TEST REPORT FOR SAR TESTING

Report No: SRTC2024-9004(R)-24073102(H)

Product Name: Smart Phone

Product Model: Stellar-M6E

Applicant: CROSSCALL

Manufacturer: CROSSCALL

Reference Specification
EN 50360
EN 50566
EN 62209-1
EN 62209-2
IEC/IEEE 62209-1528
EN 62479
EN 50663
EN 50665

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1 GENERAL INFORMATION

1.1 Notes of the test report

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1.2 Information about the testing laboratory

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2 DESCRIPTION OF THE EQUIPMENT UNDER TEST

2.1 DUT information

Network	Band Information
GSM	GSM900
GSM	GSM1800
WCDMA	WCDMA Band I
WCDMA	WCDMA Band VIII
LTE	LTE Band1
LTE	LTE Band3
LTE	LTE Band7
LTE	LTE Band8
LTE	LTE Band20
LTE	LTE Band28
LTE	LTE Band38
LTE	LTE Band40
LTE	LTE Band42
LTE	LTE Band43
LTE	LTE Band68
NR(SA)	NR n1
NR(SA)	NR n3
NR(SA)	NR n7
NR(SA)	NR n8
NR(SA)	NR n20
NR(SA)	NR n28
NR(SA)	NR n38
NR(SA)	NR n40
NR(SA)	NR n48
NR(SA)	NR n77
NR(SA)	NR n78
CA	CA_1A_3A
CA	CA_1A_7A
CA	CA_1A_8A
CA	CA_1A_20A
CA	CA_1A_28A
CA	CA_3A_7A
CA	CA_3A_8A
CA	CA_3A_20A
CA	CA_3A_28A
CA	CA_7A_8A
CA	CA_7A_20A
CA	CA_7A_28A
NR(NSA)	DC_1A_n20A
NR(NSA)	DC_1A_n28A
NR(NSA)	DC_3A_n7A
NR(NSA)	DC_3A_n20A
NR(NSA)	DC_3A_n28A
NR(NSA)	DC_7A_n20A

NR(NSA)	DC_7A_n28A
NR(NSA)	DC_1A_n78A
NR(NSA)	DC_3A_n78A
NR(NSA)	DC_7A_n78A
NR(NSA)	DC_8A_n78A
NR(NSA)	DC_20A_n78A
NR(NSA)	DC_28A_n78A
BT	Bluetooth
BLE	Bluetooth Low Energy
WLAN	WIFI2.4GHz
WLAN	WIFI5GHz UNII-1&UNII-2A(5.3GHz)
WLAN	WIFI5GHz UNII-2C(5.6GHz)

Mode supported	Note
GSM_GMSK	NA
GSM_8PSK	NA
WCDMA_RMC Rel.99	NA
WCDMA_HSDPA Rel.5	NA
WCDMA_HSUPA Rel.6	NA
WCDMA_HSPA+ Rel.7	NA
WCDMA_DC-HSDPA Rel.8	NA
LTE_QPSK	NA
LTE_16QAM	NA
LTE_64QAM	NA
NR CP-QPSK	NA
NR CP-16QAM	NA
NR CP-64QAM	NA
NR CP-256QAM	NA
NR DFT-pi/2 BPSK	NA
NR DFT-QPSK	NA
NR DFT-16QAM	NA
NR DFT-64QAM	NA
NR DFT-256QAM	NA
BR/EDR	NA
BLE	NA
802.11b(2.4GHz)	NA
802.11g(2.4GHz)	NA
802.11n HT20(2.4GHz)	NA
802.11ax HE20(2.4GHz)	NA
802.11n HT40(2.4GHz)	NA
802.11ax HE40(2.4GHz)	NA
802.11a(5GHz)	NA
802.11n HT20(5GHz)	NA
802.11ac VHT20(5GHz)	NA
802.11ax HE20(5GHz)	NA
802.11n HT40(5GHz)	NA
802.11ac VHT40(5GHz)	NA
802.11ax HE40(5GHz)	NA
802.11ac VHT80(5GHz)	NA
802.11ax HE80(5GHz)	NA
802.11ac VHT160(5GHz)	NA
802.11ax HE160(5GHz)	NA

Capability Class:	GPRS Multi-slots :	EGPRS Multi-slots :	NFC
Class B	Class 33(One Up)	Class 33(One Up)	Support

2.2 Exposure conditions

General description

Head Configuration: Measurements were made in “cheek” and “tilt” positions on both the left hand and right-hand sides of the phantom. The positions used in the measurements were according to IEEE 1528 "IEEE Recommended Practice for Determining the Peak Spatial-Average Specific Absorption Rate (SAR) in the Human Head from Wireless Communications Devices: Measurement Techniques".

Body Worn Configuration: The device was placed in the SPEAG holder below the flat section of the phantom. The distance between the device and the phantom was kept at the separation distance using a separate flat spacer that was removed before the start of the measurements. And the distance is normally determined according to the actual scene which might be the worst use condition for general exposure. The device’s front and rear were oriented facing the phantom since these orientations give higher results for most regular portable devices.

Hotspot Configuration: Hotspot mode SAR is measured for all edges and surfaces of the device with a transmitting antenna located within 25 mm from that surface or edge; for the data modes, wireless technologies and frequency bands supporting hotspot mode.

Body Configuration: Body SAR is measured for all edges and surfaces of the device or refer to hotspot configuration. (For the device such as tablet and mobile phone etc.)

Limb Configuration: Extremity limb SAR is measured for all edges and surfaces of the device or refer to hotspot configuration.

Body-support Configuration: Body-support device such as laptop is not commonly require SAR test.

DUT Exposure Condition	Distance(mm)
Head	0
Body-worn	5
Limb	0

2.3 Other information

Testing Start Date:	2024/08/05
Testing End Date:	2024/08/16
DUT IMEI:	356073930011090/356073930011579
DUT H/W Version:	V1.00
DUT S/W Version:	N2102.4.01.01.FR00
Ambient Temperature:	22℃
Humidity:	35%

Product Change Description

As the applicant of the below model, **Crosscall** declares that the product,

Stellar-M6E

is the variant of the initial certified product,

Stellar-M6

SOFTWARE MODIFICATIONS:

Protocol Stack changes: no

MMS/STK changes: no

Other changes detailed: no

HARDWARE MODIFICATION:

Power Amplifier changes: no

Antenna changes: no

PCB Layout changes: Yes, only WiFi related PCB layout changes

Components on PCB changes: yes

LCD changes: no

Speaker changes: no

Camera changes: no

Vibrator changes: no

WLAN/Bluetooth changes: yes

WLAN/Bluetooth IC:

Original: WCN-6750-0-PSP229-TR-01-0

Modification: WCN-3950-0-58WLPSP-TR-05-3

Other changes:

Increase DL CA band: CA_3A-7A-28A，CA_3A-7A-20A

Close 5G NR N75

Remove Ant 9

WiFi does not support MIMO

MECHANICAL MODIFICATIONS:

Use new metal front/back cover or keypad: no

Mechanical shell changes: yes,

Removed SOS key(The top button of the prototype),

Power key changed: Removed fingerprint recognition（On the right side of the phone）

Other changes detailed: no

ACCESSORY MODIFICATIONS:

Battery changes: no

AC Adaptor changes: no

Earphone changes: no

NOTE: As this certification is a modified version, part of the data in the report SRTC2024-9004(R)-24061102(H) is reused in this report, and SAR values of different limits are re-tested for NR40 and NR48 respectively, and the Unlicensed part is retested due to changes in WLAN antennas.

3 SPECIFICATION

Specification	Version	Title
EN 50360	2017	Product standard to demonstrate the compliance of wireless communication devices, with the basic restrictions and exposure limit values related to human exposure to electromagnetic fields in the frequency range from 300 MHz to 6 GHz: devices used next to the ear
EN 50566	2017	Product standard to demonstrate the compliance of wireless communication devices with the basic restrictions and exposure limit values related to human exposure to electromagnetic fields in the frequency range from 30 MHz to 6 GHz: hand-held and body mounted devices in close proximity to the human body
EN 62209-1	2016	Measurement procedure for the assessment of specific absorption rate of human exposure to radio frequency fields from hand-held and body-mounted wireless communication devices Part 1: Devices used next to the ear(Frequency range of 300 MHz to 6 GHz)
EN 62209-2	2010+AMD1-2019	Human exposure to radio frequency fields from hand-held and body-mounted wireless communication devices – Human models, instrumentation, and procedures Part 2: Procedure to determine the specific absorption rate (SAR) for wireless communication devices used in close proximity to the human body (frequency range of 30 MHz to 6 GHz)
IEC/IEEE 62209-1528	2020	Measurement procedure for the assessment of specific absorption rate of human exposure to radio frequency fields from hand-held and body-mounted wireless communication devices- Part 1528: Human models, instrumentation, and (Frequency range of 4 MHz to 10 GHz)
EN 62479	2010	Assessment of the compliance of low power electronic and electrical equipment with the basic restrictions related to human exposure to electromagnetic fields (10MHz to 300GHz)
EN 50663	2017	Generic standard for assessment of low power electronic and electrical equipment related to human exposure restrictions for electromagnetic fields (10 MHz - 300 GHz)

EN 50665	2017	Generic standard for assessment of electronic and electrical equipment related to human exposure restrictions for electromagnetic fields (0 Hz - 300 GHz)

4 TEST CONDITIONS

4.1 Test signal, frequencies and output power

The device was put into operation by using a call tester. Communication between the device and the call tester was established by air link. Non-signaling mode also applied.The device output power was set to maximum power level for all tests; a fully charged battery was used for every test sequence. In all operating bands the measurements were performed on lowest, middle and highest channels.

4.2 SAR measurement set-up

The system is based on a high precision robot (working range greater than 0.9m), which positions the probes with a positional repeatability of better than ± 0.02mm. Special E- probe have been developed for measurements close to material discontinuity, the sensors of which are directly loaded with a Schottky diode and connected via highly resistive lines (length =300mm) to the data acquisition unit. A cell controller system contains the power supply, robot controller, teaches pendant (Joystick), and remote control, is used to drive the robot motors. The PC consists of the Micron Pentium IV computer with Win7 system and SAR Measurement Software DASY Professional, A/D interface card, monitor, mouse, and keyboard. The Stäubli Robot is connected to the cell controller to allow software manipulation of the robot. A data acquisition electronic (DAE) circuit performs the signal amplification, signal multiplexing, AD-conversion, offset measurements, mechanical surface detection, collision detection, etc. is connected to the Electro-optical coupler (EOC). The EOC performs the conversion from the optical into digital electric signal of the DAE and transfers data to the PC plug-in card. The DAE consists of a highly sensitive electrometer-grade preamplifier with auto-zeroing, a channel and gain-switching multiplexer, a fast 16 bit AD-converter and a command decoder and control logic unit. Transmission to the PC-card is accomplished through an optical Downlink for data and status information and an optical uplink for commands and clock lines. The mechanical probe mounting device includes two different sensor systems for frontal and sidewise probe contacts. They are also used for mechanical surface detection and probe collision detection .The robot uses its own controller with a built in VME-bus computer.

4.3 Phantoms

The phantom used for all tests i.e. for both system checks and device testing, was the twin headed "SAM Phantom", manufactured by SPEAG. The phantom conforms to the requirements. System checking was performed using the flat section, whilst Head SAR tests used the left and right head profile sections. Body SAR testing also used the flat section between the head profiles. The SPEAG device holder (see Section 4.6.1) was used to position the device in all tests whilst a tripod was used to position the validation dipoles against the flat section of phantom.

4.4 Tissue stimulants

Recommended values for the dielectric parameters of the tissue simulants are given in reference standards. The depth of the tissue simulant was 15.0 ± 0.5 cm measured from the ear reference point during system checking and device measurements. The following tissue stimulants were used for test:

Name	Broadband tissue-equivalent liquid
Type	HBBL600-10000V6 Simulating Liquid
Supplier	SPEAG

Liquid depth for SAR Measurement

4.5 Device holder

The device was placed in the device holder (illustrated below) that is supplied by SPEAG as an integral part of the Dasy2 system.

4.6 Scan procedure

First, area scans were used for determination of the field distribution and the approximate location of the local peak SAR values. The SAR distribution is scanned along the inside surface, at least for an area larger than the projection of the handset and antenna. The angle between the probe axis and the surface normal line is recommended but not required to be less than 30°. The SAR distribution is first measured on a 2-D coarse grid. The scan region should cover all areas that are exposed and encompassed by the projection of the handset.

Area scan:

Below 3GHz：20mm step

3GHz-4GHz： 15mm step

4GHz-5GHz： 12mm step

5GHz-10GHz： 10mm step

Zoom scan:

Below 3GHz：32mmX32mmX30mm scan area with 8 mm X8 mm X5 mm steps

3GHz-4GHz：30mmX30mmX28mm scan area with 6 mm X6 mm X4 mm steps

4GHz-4.8GHz：25mmX25mmX24mm scan area with 5 mm X5 mm X3 mm steps

4.8GHz-10GHz：24mmX24mmX22mm scan area with 4 mm X4 mm X2 mm steps

4.7 SAR averaging methods

The maximum SAR value was averaged over a cube of tissue using interpolation and extrapolation.

The interpolation, extrapolation and maximum search routines within Dasy are all based on the modified Quadratic Shepard’s method (Robert J. Renka, “Multivariate Interpolation Of Large Sets Of Scattered Data”, University of North Texas ACM Transactions on Mathematical Software, vol. 14, no. 2, June 1988, pp. 139-148).

The interpolation scheme combines a least-square fitted function method with a weighted average method. A trivariate 3-D / bivariate 2-D quadratic function is computed for each measurement point and fitted to neighboring points by a least-square method. For the zoom scan, inverse distance weighting is incorporated to fit distant points more accurately. The interpolating function is finally calculated as a weighted average of the quadratics.

In the zoom scan, the interpolation function is used to extrapolate the Peak SAR from the deepest measurement points to the inner surface of the phantom.

5 RESULT SUMMARY

The maximum reported SAR values for all exposure conditions supported are given as following. The device meet the compliance.

License Band Standalone Transmission Summary (SISO1)					
Exposure Position	Ant0/1/2	SAR Result(W/kg)	Highest SAR Result(W/kg)	Limit(W/kg)	Verdict
Head	GSM900	0.33	0.89	2.00	Pass
	GSM1800	0.50			
	WCDMA Band I	0.53			
	WCDMA Band VIII	0.56			
	LTE Band1	0.58			
	LTE Band3	0.59			
	LTE Band7	0.13			
	LTE Band8	0.25			
	LTE Band20	0.24			
	LTE Band28	0.20			
	LTE Band38	0.12			
	LTE Band40	0.41			
	LTE Band42	0.68			
	LTE Band43	0.81			
	LTE Band68	0.16			
	NR n1	0.10			
	NR n3	0.12			
	NR n7	0.22			
	NR n8	0.34			
	NR n20	0.20			
	NR n28	0.12			
	NR n38	0.12			
	NR n40	0.49			
	NR n48	**0.89**			
	NR n77	0.75			
	NR n78	0.44			
Body-Worn	GSM900	0.41	0.60	2.00	Pass
	GSM1800	0.35			
	WCDMA Band I	0.29			

	WCDMA Band VIII	**0.60**			
	LTE Band1	0.37			
	LTE Band3	0.40			
	LTE Band7	0.38			
	LTE Band8	0.52			
	LTE Band20	0.45			
	LTE Band28	0.32			
	LTE Band38	0.25			
	LTE Band40	0.17			
	LTE Band42	0.30			
	LTE Band43	0.41			
	LTE Band68	0.34			
	NR n1	0.25			
	NR n3	0.44			
	NR n7	0.46			
	NR n8	0.53			
	NR n20	0.42			
	NR n28	0.29			
	NR n38	0.26			
	NR n40	0.23			
	NR n48	0.58			
	NR n77	0.35			
	NR n78	0.23			
Body	GSM900	0.41	0.60	2.00	Pass
	GSM1800	0.36			
	WCDMA Band I	0.38			
	WCDMA Band VIII	**0.60**			
	LTE Band1	0.42			
	LTE Band3	0.40			
	LTE Band7	0.45			
	LTE Band8	0.52			
	LTE Band20	0.45			
	LTE Band28	0.32			
	LTE Band38	0.27			
	LTE Band40	0.36			

	LTE Band42	0.42			
	LTE Band43	0.41			
	LTE Band68	0.34			
	NR n1	0.36			
	NR n3	0.44			
	NR n7	0.46			
	NR n8	0.53			
	NR n20	0.42			
	NR n28	0.29			
	NR n38	0.29			
	NR n40	0.41			
	NR n48	0.58			
	NR n77	0.35			
	NR n78	0.27			
Limb	GSM900	0.67	1.46	4.00	Pass
	GSM1800	0.77			
	WCDMA Band I	1.14			
	WCDMA Band VIII	0.76			
	LTE Band1	1.37			
	LTE Band3	0.94			
	LTE Band7	1.26			
	LTE Band8	0.71			
	LTE Band20	0.91			
	LTE Band28	0.72			
	LTE Band38	0.79			
	LTE Band40	1.34			
	LTE Band42	1.21			
	LTE Band43	1.51			
	LTE Band68	0.79			
	NR n1	1.28			
	NR n3	1.25			
	NR n7	1.25			
	NR n8	0.84			
	NR n20	0.82			
	NR n28	0.63			

	NR n38	0.85			
	NR n40	**1.46**			
	NR n48	1.37			
	NR n77	1.23			
	NR n78	0.71			

License Band Standalone Transmission Summary (SISO2)					
Exposure Position	Ant0/2/3/4	SAR Result(W/kg)	Highest SAR Result(W/kg)	Limit(W/kg)	Verdict
Head	GSM900	0.27	0.72	2.00	Pass
	GSM1800	0.05			
	WCDMA Band I	0.12			
	WCDMA Band VIII	0.34			
	LTE Band1	0.10			
	LTE Band3	0.08			
	LTE Band7	0.53			
	LTE Band8	0.27			
	LTE Band20	0.25			
	LTE Band28	0.19			
	LTE Band38	0.49			
	LTE Band40	0.04			
	LTE Band42	0.03			
	LTE Band43	0.11			
	LTE Band68	0.18			
	NR n1	**0.72**			
	NR n3	0.64			
	NR n7	0.59			
	NR n8	0.34			
	NR n20	0.23			
	NR n28	0.16			
	NR n38	0.55			
	NR n40	0.14			
	NR n48	0.07			
	NR n77	0.10			
	NR n78	0.01			

Body-Worn	GSM900	0.33	0.42	2.00	Pass
	GSM1800	0.15			
	WCDMA Band I	0.33			
	WCDMA Band VIII	0.38			
	LTE Band1	0.26			
	LTE Band3	0.28			
	LTE Band7	0.27			
	LTE Band8	0.36			
	LTE Band20	0.34			
	LTE Band28	0.27			
	LTE Band38	0.25			
	LTE Band40	0.13			
	LTE Band42	0.13			
	LTE Band43	0.27			
	LTE Band68	0.24			
	NR n1	0.34			
	NR n3	0.39			
	NR n7	0.29			
	NR n8	0.37			
	NR n20	0.24			
	NR n28	0.17			
	NR n38	0.27			
	NR n40	**0.42**			
	NR n48	0.32			
	NR n77	0.31			
	NR n78	0.10			
Body	GSM900	0.42	0.59	2.00	Pass
	GSM1800	0.16			
	WCDMA Band I	0.39			
	WCDMA Band VIII	0.43			
	LTE Band1	0.35			
	LTE Band3	0.28			
	LTE Band7	0.54			
	LTE Band8	0.42			
	LTE Band20	0.42			

	LTE Band28	0.37			
	LTE Band38	0.53			
	LTE Band40	0.18			
	LTE Band42	0.19			
	LTE Band43	0.52			
	LTE Band68	0.35			
	NR n1	0.44			
	NR n3	0.39			
	NR n7	0.54			
	NR n8	0.50			
	NR n20	0.27			
	NR n28	0.22			
	NR n38	0.57			
	NR n40	0.56			
	NR n48	**0.59**			
	NR n77	0.58			
	NR n78	0.18			
Limb	GSM900	0.74	1.80	4.00	Pass
	GSM1800	0.50			
	WCDMA Band I	1.25			
	WCDMA Band VIII	0.76			
	LTE Band1	1.04			
	LTE Band3	0.72			
	LTE Band7	1.25			
	LTE Band8	0.78			
	LTE Band20	0.74			
	LTE Band28	0.74			
	LTE Band38	1.03			
	LTE Band40	0.38			
	LTE Band42	0.69			
	LTE Band43	1.45			
	LTE Band68	0.70			
	NR n1	1.46			
	NR n3	0.92			
	NR n7	1.08			

	NR n8	0.74			
	NR n20	0.55			
	NR n28	0.46			
	NR n38	1.18			
	NR n40	1.17			
	NR n48	**1.80**			
	NR n77	1.65			
	NR n78	0.63			

Unlicensed Band Standalone Transmission Summary (SISO1)					
Exposure Position	Ant8/9/11	SAR Result(W/kg)	Highest SAR Result(W/kg)	Limit(W/kg)	Verdict
Head	BT/BLE	0.10	0.80	2.00	Pass
	WLAN2.4GHz	**0.80**			
	WLAN5GHz UNII-1&2A	0.22			
	WIFI 5G UNII-2C	0.19			
	WIFI 5G UNII-3	0.07			
Body-Worn	BT/BLE	0.06	0.56	2.00	Pass
	WLAN2.4GHz	**0.56**			
	WLAN5GHz UNII-1&2A	0.19			
	WIFI 5G UNII-2C	0.22			
	WIFI 5G UNII-3	0.10			
Body	BT/BLE	0.06	0.56	2.00	Pass
	WLAN2.4GHz	**0.56**			
	WLAN5GHz UNII-1&2A	0.25			
	WIFI 5G UNII-2C	0.22			
	WIFI 5G UNII-3	0.12			
Limb	BT/BLE	0.15	1.11	4.00	Pass
	WLAN2.4GHz	**1.11**			
	WLAN5GHz UNII-1&2A	0.49			
	WIFI 5G UNII-2C	0.42			
	WIFI 5G UNII-3	0.24			

Simultaneous Transmission Summary				
Exposure Position	Mode	Highest SAR Result(W/kg)	Limit(W/kg)	Verdict
Head	DC_3A_n7A + WLAN2.4GHz	1.75	2.00	Pass
Body-Worn	DC_3A_n7A + WLAN2.4GHz	1.30	2.00	Pass
Body	DC_3A_n7A + WLAN2.4GH z	1.35	2.00	Pass
Limb	DC_3A_n7A + WLAN2.4GHz	2.97	4.00	Pass

This Test Report Is Approved by: Mr. Peng Zhen 	Review by: Mr. Li Bin 
Tested and issued by: Mr. Hui Wen 	Approved date: 20240831

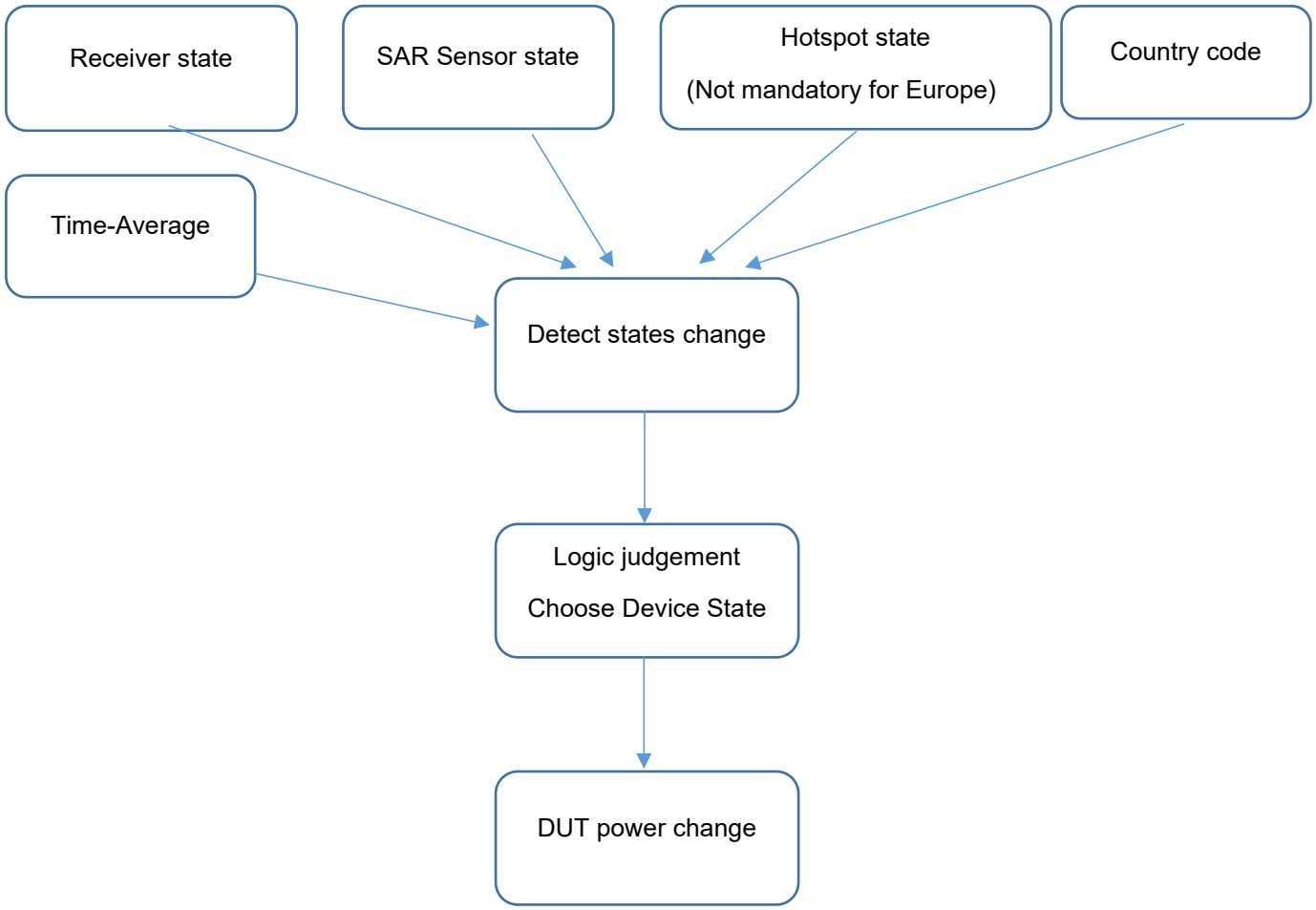
6 POWER RESULTS

6.1 Scenario

General description:

In common, there are several power change schemes based on technologies mentioned below, but different product use different method to change conducted power for relevant transmitters. These methods could be used together on both standalone and simultaneous transmission (Depends on specific scenario)

Receiver:	Triggered when receive ON/OFF
P-sensor:	Triggered when sensor ON/OFF
Hotspot:	Triggered when hotspot ON/OFF
Country code:	Triggered through MCC/A-GNSS
TA:	Time average SAR based on Qualcomm



DUT Power change scheme	Description	Whether support or not
Receiver:	Triggered when receive ON/OFF	support
P-sensor:	Triggered when sensor ON/OFF	support
Hotspot:	Triggered when hotspot ON/OFF	support
Country code:	Triggered through MCC/A-GNSS	support
TA:	Time average SAR based on Qualcomm	Not support

Direction	ANT2 Trigger distance (mm)
Bottom	NA
Front	20
Back	15
TOP	21
Left	NA
Right	NA

6.2 Average conducted power with Tune up tolerance

6.2.1 GSM

General description:

GPRS Coding Scheme	Bit Rate (kbit/s/slot)	Modulation	Code Rate
CS-1	8.0	GMSK	1/2
CS-2	12.0	GMSK	≈2/3
CS-3	14.4	GMSK	≈3/4
CS-4	20.0	GMSK	1

EDGE Modulation and Coding Scheme (MCS)	Bit Rate (kbit/s/slot)	Modulation	Data Code Rate	Header Code Rate
MCS-1	8.8	GMSK	≈0.53	≈0.53
MCS-2	11.2	GMSK	≈0.66	≈0.53
MCS-3	14.8	GMSK	≈0.85	≈0.53
MCS-4	17.6	GMSK	1	≈0.53
MCS-5	22.4	8PSK	≈0.37	1/3
MCS-6	29.6	8PSK	≈0.49	1/3
MCS-7	44.8	8PSK	≈0.76	≈0.39
MCS-8	57.05	8PSK	≈0.92	≈0.39
MCS-9	61.85	8PSK	1	≈0.39

Division Factors:

To average the power, the division factor is as follows:

1TX-slot (1uplink) = 1 transmit time slot out of 8 time slots=> conducted power divided by (8/1) => -9.03dB

2TX-slots(2uplink) = 2 transmit time slots out of 8 time slots=> conducted power divided by (8/2) => -6.02dB

3TX-slots (3uplink) = 3 transmit time slots out of 8 time slots=> conducted power divided by (8/3) => -4.26dB

4TX-slots (4uplink) = 4 transmit time slots out of 8 time slots=> conducted power divided by (8/4) => -3.01dB

Note: GSM SAR was tested under the mode with maximum frame average power.

Licensed SISO1

Full Power

GSM900

TX Mode	TX slot	Burst Power (dBm)			Tuneup Tolerance (dBm)	Frame power(dBm)		
		Frequency/Channel				Frequency/Channel		
		880.2	897.4	914.8		880.2	897.4	914.8
		975	37	124		975	37	124
GSM	1 slot	31.81	32.16	32.14	32.50	22.78	23.13	23.11
GPRS (GMSK)	1 slot	31.73	31.70	31.70	32.00	22.70	22.67	22.67
	2 slots	29.73	29.66	29.79	30.00	23.71	23.64	23.77
	3 slots	27.42	27.62	27.55	28.00	23.16	23.36	23.29
	4 slots	25.38	25.73	25.68	26.00	22.37	22.72	22.67
EGPRS (8PSK)	1 slot	26.04	25.36	25.69	26.50	17.01	16.33	16.66
	2 slots	24.73	24.77	24.94	25.00	18.71	18.75	18.92
	3 slots	23.45	23.30	23.11	23.50	19.19	19.04	18.85
	4 slots	22.01	21.76	21.86	22.50	19.00	18.75	18.85

GSM1800

TX Mode	TX slot	Burst Power (dBm)			Tuneup Tolerance (dBm)	Frame power(dBm)		
		Frequency/Channel				Frequency/Channel		
		1710.2	1747.4	1784.8		1710.2	1747.4	1784.8
		512	698	885		512	698	885
GSM	1 slot	28.90	29.28	29.36	29.50	19.87	20.25	20.33
GPRS (GMSK)	1 slot	28.70	29.08	29.13	29.50	19.67	20.05	20.10
	2 slots	26.82	26.87	27.02	27.50	20.80	20.85	21.00
	3 slots	25.68	25.62	26.02	26.50	21.42	21.36	21.76
	4 slots	24.40	24.67	24.70	25.00	21.39	21.66	21.69
EGPRS (8PSK)	1 slot	25.20	24.62	25.04	25.50	16.17	15.59	16.01
	2 slots	25.24	24.90	25.06	25.50	19.22	18.88	19.04
	3 slots	23.62	23.54	23.84	24.00	19.36	19.28	19.58
	4 slots	21.92	22.16	21.96	22.50	18.91	19.15	18.95

Reduce Power (SAR Sensor)

GSM1800

TX Mode	TX slot	Burst Power (dBm)			Tuneup Tolerance (dBm)	Frame power(dBm)		
		Frequency/Channel				Frequency/Channel		
		1710.2	1747.4	1784.8		1710.2	1747.4	1784.8
		512	698	885		512	698	885
GSM	1 slot	26.00	26.18	26.39	26.50	16.97	17.15	17.36
GPRS (GMSK)	1 slot	25.85	25.96	26.19	26.50	16.82	16.93	17.16
	2 slots	23.65	23.87	24.03	24.50	17.63	17.85	18.01
	3 slots	22.58	22.78	23.03	23.50	18.32	18.52	18.77
	4 slots	21.33	21.53	21.67	22.00	18.32	18.52	18.66
EGPRS (8PSK)	1 slot	22.82	22.38	22.14	23.00	16.79	13.35	13.11
	2 slots	21.51	21.93	21.70	22.00	15.49	15.91	15.68
	3 slots	20.75	20.66	21.12	21.50	16.49	16.40	16.86
	4 slots	18.65	19.24	19.63	20.00	15.64	16.23	16.62

Licensed SISO2

Full Power

GSM900

TX Mode	TX slot	Burst Power (dBm)			Tuneup Tolerance (dBm)	Frame power(dBm)		
		Frequency/Channel				Frequency/Channel		
		880.2	897.4	914.8		880.2	897.4	914.8
		975	37	124		975	37	124
GSM	1 slot	31.91	32.36	32.40	32.50	22.88	23.33	23.37
GPRS (GMSK)	1 slot	32.05	32.02	32.14	32.50	23.02	22.99	23.11
	2 slots	29.27	30.03	30.06	30.50	23.25	24.01	24.04
	3 slots	27.53	27.83	27.84	28.00	23.27	23.57	23.58
	4 slots	25.48	25.82	25.88	26.00	22.47	22.81	22.87
EGPRS (8PSK)	1 slot	25.52	25.57	25.77	26.00	16.49	16.54	16.74
	2 slots	24.50	24.93	24.92	25.00	18.48	18.91	18.90
	3 slots	23.59	23.60	23.27	24.00	19.33	19.34	19.01
	4 slots	21.29	21.93	22.10	22.50	18.28	18.92	19.09

GSM1800

TX Mode	TX slot	Burst Power (dBm)			Tuneup Tolerance (dBm)	Frame power(dBm)		
		Frequency/Channel				Frequency/Channel		
		1710.2	1747.4	1784.8		1710.2	1747.4	1784.8
		512	698	885		512	698	885
GSM	1 slot	25.85	26.25	26.35	26.50	16.82	17.22	17.32
GPRS (GMSK)	1 slot	25.51	26.18	26.46	26.50	16.48	17.15	17.43
	2 slots	25.25	25.62	26.23	26.50	19.23	19.60	20.21
	3 slots	25.15	25.51	25.67	26.00	20.89	21.25	21.41
	4 slots	24.44	25.00	24.84	25.00	21.43	21.99	21.83
EGPRS (8PSK)	1 slot	25.62	25.35	25.47	26.00	16.59	16.32	16.44
	2 slots	25.42	25.50	25.32	25.50	19.40	19.48	19.30
	3 slots	24.20	24.06	24.84	25.00	19.94	19.80	20.58
	4 slots	22.83	22.63	22.87	23.00	19.82	19.62	19.86

6.2.2 WCDMA

General description:

Release 99

The following tests were completed according to the test requirements outlined in 3GPP TS34.121-1 specification.

Mode	Subtest	Rel99
WCDMA General Settings	Loopback Mode	Test Mode 1
	RMC mode AMR mode	12.2kbps RMC 12.2kbps RMC in 3.4 kbps SRB
	Power Control Algorithm	Algorithm2
	βc/βd	8/15

Release 5

The following 4 Sub-tests were completed according to Release 5 procedures in 3GPP TS34.121.

Sub-test	β_c	β_d	β_d (SF)	β_c/β_d	β_{hs}(1)	CM(dB) (2)
1	2/15	15/15	64	2/15	4/15	0.0
2	12/15(3)	15/15(3)	64	12/15(3)	24/15	1.0
3	15/15	8/15	64	15/18	30/15	1.5
4	15/15	4/15	64	15/4	30/15	1.5

Note1: $\triangle_{ACK}$, $\triangle_{NACK}$ and $\triangle_{CQI}$ =8⇔ $A_{hs}=\beta_{hs}/\beta_c=30/15 \Leftrightarrow \beta_{hs}=30/15*\beta_c$.

Note2:CM=1 for $\beta_c/\beta_d=12/15$, $\beta_{hs}/\beta_c=24/15$.

Note3: For subtest 2 the β_c/β_d ratio of 12/15 for the TFC during the measurement period(TF1,TF0) is achieved by setting the signaled gain factors for the reference TFC(TF1,TF1) to β_c=11/15 and β_d=15/15.

Release 6

The following 5 Sub-tests were completed according to Release 6 procedures in 3GPP TS34.121.

Sub-test	β_c	β_d	β_d (SF)	β_c/β_d	β_{hs}(1)	β_{ec}	β_{ed}	β_{ed} (SF)	β_{ed} (codes)	CM(2) (dB)	MPR (dB)	AG(4) Index	E-TFCI
1	11/15(3)	15/15(3)	64	11/15(3)	22/15	209/225	1039/225	4	1	1.0	2.0	20	75
2	6/15	15/15	64	6/15	12/15	12/15	94/75	4	1	3.0	2.0	12	67
3	15/15	9/15	64	15/9	30/15	30/15	β_{ed1}:47/15 β_{ed2}:47/15	4	2	2.0	2.0	15	92
4	2/15	15/15	64	2/15	4/15	2/15	56/75	4	1	3.0	2.0	17	71
5	15/15(4)	15/15(4)	64	15/15(4)	30/15	24/15	134/15	4	1	1.0	2.0	21	81

Note1: $\triangle_{ACK}$, $\triangle_{NACK}$ and $\triangle_{CQI}$ =8⇔A_{hs}=β_{hs}/β_c=30/15⇔β_{hs}=30/15*β_c.

Note2:CM=1 for β_c/β_d =12/15,β_{hs}/β_c=24/15.For all other combinations of DPDCH,DPCCH,HS-DPCCH,E-DPDCH and E-DPCCH the MPR is based on the relative CM difference.

Note3: For subtest 1 the β_c/β_d ratio of 11/15 for the TFC during the measurement period(TF1,TF0) is achieved by setting the signaled gain factors for the reference TFC(TF1,TF1) to β_c=10/15 and β_d=15/15.

Note4: For subtest 5 the β_c/β_d ratio of 15/15 for the TFC during the measurement period(TF1,TF0) is achieved by setting the signaled gain factors for the reference TFC(TF1,TF1) to β_c=14/15 and β_d=15/15.

NOTE5: Testing UE using E-DPDCH Physical layer category 1 Sub-test 3 is not required according to TS 25.306 Table 5.1g.

NOTE6:β_{ed} can not be set directly; it is set by Absolute Grant Value.

Release 7

The following 1 Sub-test was completed according to Release 7 procedures in section 5.2 of 3GPP TS34.121.

Table C.11.1.4: **β values for transmitter characteristics tests with HS-DPCCH and E-DCH with 16QAM**

Sub-test	β_c *(Note3)*	β_d	β_{HS} *(Note1)*	β_{ec}	β_{ed} *(2xSF2)* *(Note 4)*	β_{ed} *(2xSF4)* *(Note 4)*	**CM** *(dB)* *(Note 2)*	**MPR** *(dB)* *(Note 2)*	***AG* Index** *(Note 4)*	***E-TFCI*** *(Note 5)*	***E-TFCI*** *(boost)*
1	1	0	30/15	30/15	β_{ed}1: 30/15 β_{ed}2: 30/15	β_{ed}3: 24/15 β_{ed}4: 24/15	3.5	2.5	14	105	105

Note 1: Δ_{ACK}, Δ_{NACK} and Δ_{CQI} = 30/15 with $\beta_{hs} = 30/15 * \beta_c$.
Note 2: CM = 3.5 and the MPR is based on the relative CM difference, MPR = MAX(CM-1,0).
Note 3: DPDCH is not configured, therefore the β_c is set to 1 and β_d = 0 by default.
Note 4: β_{ed} can not be set directly; it is set by Absolute Grant Value.
Note 5: All the sub-tests require the UE to transmit 2SF2+2SF4 16QAM EDCH and they apply for UE using E-DPDCH category 7. E-DCH TTI is set to 2ms TTI and E-DCH table index = 2. To support these E-DCH configurations DPDCH is not allocated. The UE is signalled to use the extrapolation algorithm.

Release 8

Table E.5.0: Levels for HSDPA connection setup

Parameter During Connection setup	Unit	Value
P-CPICH_Ec/Ior	dB	-10
P-CCPCH and SCH_Ec/Ior	dB	-12
PICH _Ec/Ior	dB	-15
HS-PDSCH	dB	off
HS-SCCH_1	dB	off
DPCH_Ec/Ior	dB	-5
OCNS_Ec/Ior	dB	-3.1

Table C.8.1.12: Fixed Reference Channel H-Set 12

Parameter	Unit	Value
Nominal Avg. Inf. Bit Rate	kbps	60
Inter-TTI Distance	TTI's	1
Number of HARQ Processes	Processes	6
Information Bit Payload (N_{INF})	Bits	120
Number Code Blocks	Blocks	1
Binary Channel Bits Per TTI	Bits	960
Total Available SML's in UE	SML's	19200
Number of SML's per HARQ Proc.	SML's	3200
Coding Rate		0.15
Number of Physical Channel Codes	Codes	1
Modulation		QPSK
Note 1: The RMC is intended to be used for DC-HSDPA mode and both cells shall transmit with identical parameters as listed in the table.		
Note 2: Maximum number of transmission is limited to 1, i.e., retransmission is not allowed. The redundancy and constellation version 0 shall be used.		

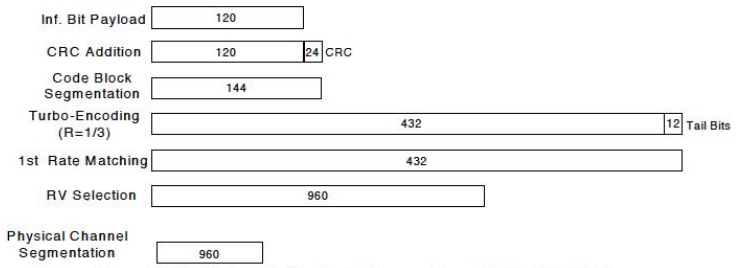


Figure C.8.19: Coding rate for Fixed reference Channel H-Set 12 (QPSK)

The following 4 Sub-tests for HSDPA were completed according to Release 8 procedures in 3GPP TS34.121.

Sub-test	β_c	β_d	β_d (SF)	β_c/β_d	β_{hs}(1)	CM(dB) (2)
1	2/15	15/15	64	2/15	4/15	0.0
2	12/15(3)	15/15(3)	64	12/15(3)	24/15	1.0
3	15/15	8/15	64	15/18	30/15	1.5
4	15/15	4/15	64	15/4	30/15	1.5

Note1: $\triangle_{ACK}$, $\triangle_{NACK}$ and $\triangle_{CQI}$ =8⇔ $A_{hs}=\beta_{hs}/\beta_c=30/15 \Leftrightarrow \beta_{hs}=30/15*\beta_c$.

Note2:CM=1 for $\beta_c/\beta_d=12/15$, $\beta_{hs}/\beta_c=24/15$.

Note3: For subtest 2 the β_c/β_d ratio of 12/15 for the TFC during the measurement period(TF1,TF0) is achieved by setting the signaled gain factors for the reference TFC(TF1,TF1) to $\beta_c=11/15$ and $\beta_d=15/15$.

Release 9

The clause (UE Maximum Output Power for DC-HSUPA) is **incomplete** in 3GPP TS34.121 so far.

Parameter	Unit	Cell 1
Cell type		Serving cell
UTRA RF Channel Number		As defined in clause 5.2BB.4.1
Qqualmin	dB	-24
Qrxlevmin	dBm	-115
UE_TXPWR_MAX_RACH	dBm	+21
$\hat{I}_{or}$ (see notes 1 and 2)	dBm/3.84 MHz	-86
NOTE 1: The power level is specified in terms of $\hat{I}_{or}$ instead of CPICH_RSCP because RSCP is a receiver measurement, whereas the SS can only set $\hat{I}_{or}$.		
NOTE 2: The cell fulfils TS 25.304, clause 5.2.3.1.2.		

Note: UMTS SAR was tested under Rel.99 RMC 12.2kbps mode. For other higher release configuration, SAR was not required.

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Full Power

band I

Mode		RF Output Power(dBm)			Tuneup Tolerance (dBm)
		9612	9750	9888	
		1922.4	1950	1977.6	
Release 99	RMC,12.2kbps	23.04	23.00	22.92	23.5
HSDPA	Subtest1	22.08	22.00	21.91	22.5
	Subtest2	22.03	21.93	21.88	22.5
	Subtest3	21.53	21.43	21.35	22.0
	Subtest4	21.52	21.41	21.35	22.0
HSUPA	Subtest1	22.03	21.94	21.85	22.5
	Subtest2	20.02	19.92	19.84	20.5
	Subtest3	21.01	20.93	20.83	21.5
	Subtest4	19.82	19.54	19.65	20.0
	Subtest5	22.01	21.94	21.85	22.5
HSPA+	QPSK	21.55	21.51	21.43	22.0
	16QAM	21.55	21.46	21.36	22.0
DC-HSDPA	Subtest1	22.06	21.98	21.88	22.5
	Subtest2	22.01	21.95	21.88	22.5
	Subtest3	21.50	21.41	21.36	21.5
	Subtest4	21.49	21.40	21.35	21.5

band VIII

Mode		RF Output Power(dBm)			Tuneup Tolerance (dBm)
		2712	2788	2863	
		882.4	897.6	912.6	
Release 99	RMC,12.2kbps	22.62	22.62	22.63	23.0
HSDPA	Subtest1	21.65	21.63	21.65	22.0
	Subtest2	21.63	21.62	21.62	22.0
	Subtest3	21.14	21.10	21.12	21.5
	Subtest4	21.14	21.10	21.14	21.5
HSUPA	Subtest1	21.65	21.62	21.64	22.0
	Subtest2	19.66	19.61	19.63	20.0
	Subtest3	20.65	20.63	20.64	21.0
	Subtest4	19.55	19.33	19.35	20.0
	Subtest5	15.88	15.87	15.92	16.0
HSPA+	QPSK	21.20	21.16	21.18	21.5
	16QAM	21.16	21.14	21.17	21.5
DC-HSDPA	Subtest1	21.65	21.62	21.64	22.0
	Subtest2	21.65	21.61	21.64	22.0
	Subtest3	21.14	21.11	21.13	21.5
	Subtest4	21.13	21.10	21.14	21.5

Reduce Power (SAR Sensor)

band I

Mode		RF Output Power(dBm)			Tuneup Tolerance (dBm)
		9612	9750	9888	
		1922.4	1950	1977.6	
Release 99	RMC,12.2kbps	19.12	19.14	19.16	19.5
HSDPA	Subtest1	18.16	18.16	18.17	18.5
	Subtest2	18.13	18.14	18.13	18.5
	Subtest3	17.60	17.61	17.60	18.0
	Subtest4	17.60	17.61	17.61	18.0
HSUPA	Subtest1	18.10	18.13	18.11	18.5
	Subtest2	16.09	16.09	16.11	16.5
	Subtest3	17.09	17.09	17.11	17.5
	Subtest4	15.75	15.74	15.83	16.0
	Subtest5	12.31	12.35	12.41	12.5
HSPA+	QPSK	17.67	17.69	17.69	18.0
	16QAM	17.61	17.64	17.62	18.0
DC-HSDPA	Subtest1	18.14	18.16	18.16	18.5
	Subtest2	18.11	18.11	18.11	18.5
	Subtest3	17.60	17.61	17.61	18.0
	Subtest4	17.60	17.61	17.62	18.0

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Full Power

band I

Mode		RF Output Power(dBm)			Tuneup Tolerance (dBm)
		9612	9750	9888	
		1922.4	1950	1977.6	
Release 99	RMC,12.2kbps	19.65	19.49	19.36	20.0
HSDPA	Subtest1	18.68	18.52	18.37	19.0
	Subtest2	18.62	18.47	18.32	19.0
	Subtest3	18.13	18.00	17.84	18.5
	Subtest4	18.12	18.00	17.84	18.5
HSUPA	Subtest1	18.62	18.49	18.35	19.0
	Subtest2	16.63	16.49	16.38	17.0
	Subtest3	17.62	17.49	17.35	18.0
	Subtest4	16.50	16.14	16.04	16.5
	Subtest5	18.63	18.48	18.35	19.0
HSPA+	QPSK	18.17	18.06	17.92	18.5
	16QAM	18.13	18.02	17.90	18.5
DC-HSDPA	Subtest1	18.67	18.51	18.36	19.0
	Subtest2	18.62	18.46	18.33	19.0
	Subtest3	18.12	17.98	17.83	18.5
	Subtest4	18.11	17.97	17.83	18.5

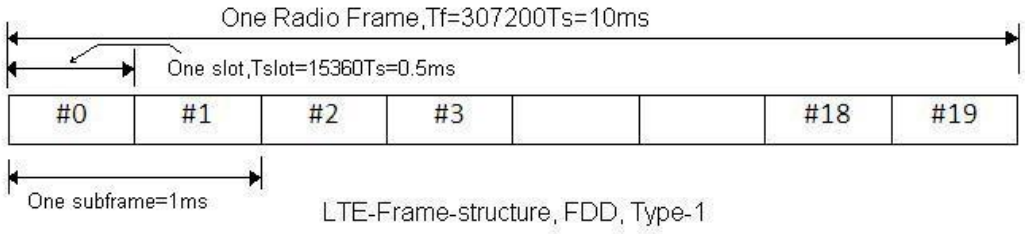
band VIII

Mode		RF Output Power(dBm)			Tuneup Tolerance (dBm)
		2712	2788	2863	
		882.4	897.6	912.6	
Release 99	RMC,12.2kbps	22.73	22.78	22.76	23.0
HSDPA	Subtest1	21.76	21.79	21.78	22.0
	Subtest2	21.72	21.75	21.76	22.0
	Subtest3	21.23	21.25	21.27	21.5
	Subtest4	21.24	21.18	21.27	21.5
HSUPA	Subtest1	21.73	21.77	21.79	22.0
	Subtest2	19.72	19.76	19.78	20.0
	Subtest3	20.74	20.75	20.76	21.0
	Subtest4	19.37	19.57	19.65	20.0
	Subtest5	21.73	21.74	21.79	22.0
HSPA+	QPSK	21.27	21.34	21.35	21.5
	16QAM	21.25	21.30	21.31	21.5
DC-HSDPA	Subtest1	21.75	21.77	21.79	22.0
	Subtest2	21.73	21.72	21.78	22.0
	Subtest3	21.25	21.24	21.26	21.5
	Subtest4	21.23	21.23	21.27	21.5

6.2.3 LTE

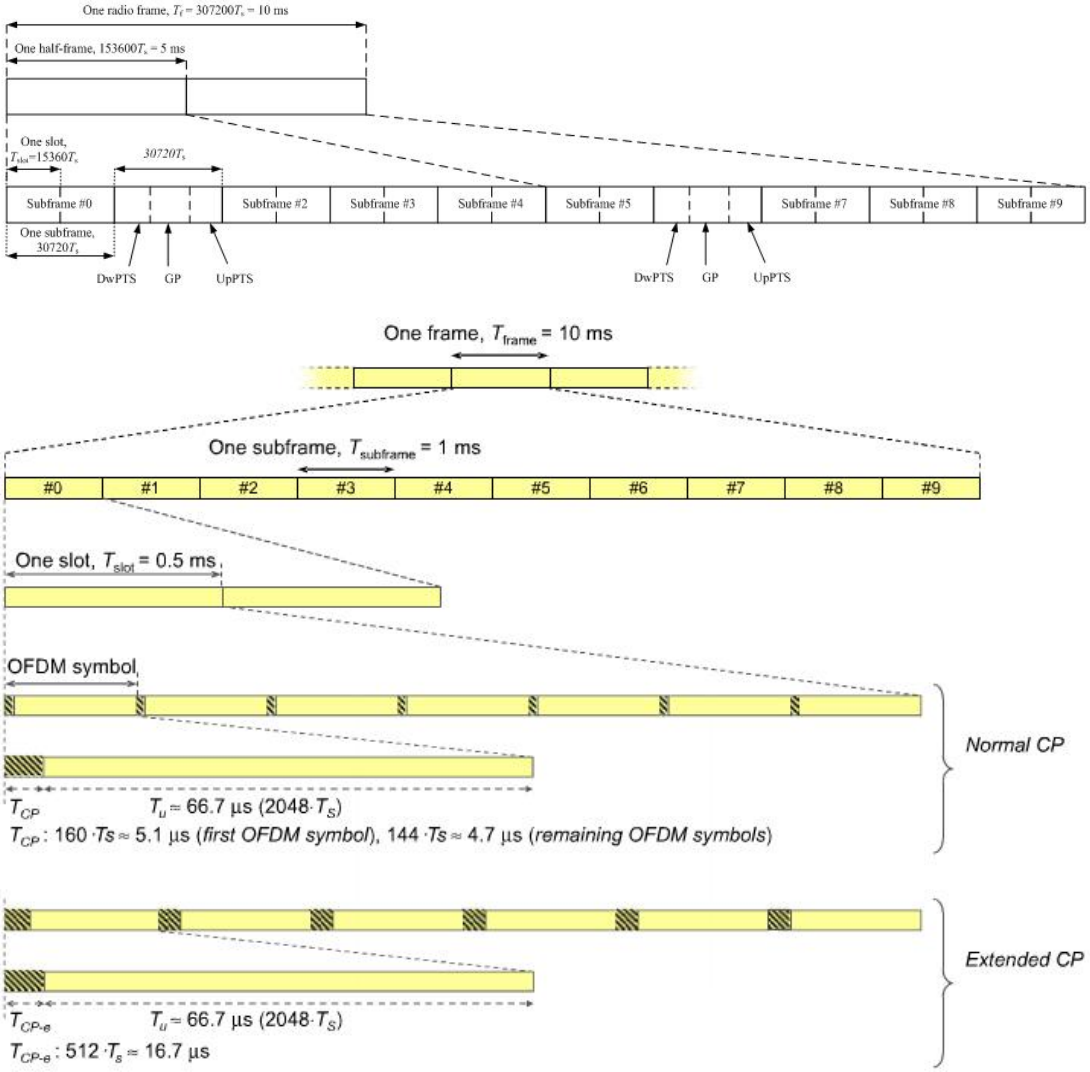
General description:

FDD-LTE frame structure



Type 1 is used as LTE FDD frame structure. As shown in the figure above, an LTE TDD frame is made of total 20 slots, each of 0.5ms. Two consecutive time slots will form one subframe. 10 such subframes form one radio frame. One subframe duration is about 1 ms. and the duty cycle is inherent as100%.

TDD-LTE frame structure



Uplink-downlink configuration

Uplink-downlink configuration	Downlink-to-Uplink Switch-point periodicity	Subframe number									
		0	1	2	3	4	5	6	7	8	9
0	5 ms	D	S	U	U	U	D	S	U	U	U
1	5 ms	D	S	U	U	D	D	S	U	U	D
2	5 ms	D	S	U	D	D	D	S	U	D	D
3	10 ms	D	S	U	U	U	D	D	D	D	D
4	10 ms	D	S	U	U	D	D	D	D	D	D
5	10 ms	D	S	U	D	D	D	D	D	D	D
6	5 ms	D	S	U	U	U	D	S	U	U	D

Special sub-frame configuration

Special subframe configuration	Normal cyclic prefix in downlink			Extended cyclic prefix in downlink		
	DwPTS	UpPTS		DwPTS	UpPTS	
		Normal cyclic prefix in uplink	Extended cyclic prefix in uplink		Normal cyclic prefix in uplink	Extended cyclic prefix in uplink
0	$6592 \cdot T_s$	$2192 \cdot T_s$	$2560 \cdot T_s$	$7680 \cdot T_s$	$2192 \cdot T_s$	$2560 \cdot T_s$
1	$19760 \cdot T_s$			$20480 \cdot T_s$		
2	$21952 \cdot T_s$			$23040 \cdot T_s$		
3	$24144 \cdot T_s$			$25600 \cdot T_s$		
4	$26336 \cdot T_s$			$7680 \cdot T_s$	$4384 \cdot T_s$	$5120 \cdot T_s$
5	$6592 \cdot T_s$	$4384 \cdot T_s$	$5120 \cdot T_s$	$20480 \cdot T_s$		
6	$19760 \cdot T_s$			$23040 \cdot T_s$		
7	$21952 \cdot T_s$			-	-	-
8	$24144 \cdot T_s$			-	-	-

Special sub-frame with cyclic prefix uplink

Special sub-frame configuration		Duty factor with normal cyclic prefix in uplink	Duty factor with extended cyclic prefix in uplink
Normal cyclic prefix in downlink	0~4	7.13%	8.33%
	5~9	14.3%	16.7%
Extended cyclic prefix in downlink	0~3	7.13%	8.33%
	4~7	14.3%	16.7%

One sub-frame is 30720Ts=1ms, when UpPTS(uplink) in special sub-frame with extended cyclic prefix, duty factor = 5120/30720=0.167.There are 5 sub-frames in half frame(3up link),so the final duty factor is (30720*3+5120)/(30720*5)=63.3% which we used to evaluate the SAR compliance (worst case)

Note: SRTC perform SAR test with maximum duty factor equal to 63.3% by using uplink-downlink configuration 0.

Licensed SISO1

Full Power

LTE B1

Test Bandwidth	RB allocation	RBstart	Test Range	Output Power (dBm)	Tune up Tolerance (dBm)
5MHz	1RB	0	low	22.12	23.5
	1RB	0	mid	23.02	
	1RB	24	high	22.71	
	8RB	0	low	22.18	23.0
	8RB	0	mid	22.91	
	8RB	17	high	22.74	
20MHz	1RB	0	low	22.07	23.0
	1RB	0	mid	21.95	
	1RB	99	high	22.58	
	18RB	0	low	21.90	23.0
	18RB	0	mid	21.88	
	18RB	82	high	22.57	

LTE B3

Test Bandwidth	RB allocation	RBstart	Test Range	Output Power (dBm)	Tune up Tolerance (dBm)
1.4MHz	1RB	0	low	22.33	23.5
		0	mid	23.15	
		0	high	23.07	
	5RB	0	low	22.34	23.5
		0	mid	23.13	
		0	high	23.02	
5MHz	1RB	0	low	23.22	23.5
		0	mid	23.34	
		24	high	22.95	
	8RB	0	low	22.97	23.5
		0	mid	23.32	
		17	high	23.02	
20MHz	1RB	0	low	22.16	23.5
		0	mid	23.07	
		99	high	22.80	
	18RB	0	low	22.25	23.0
		0	mid	22.92	
		82	high	22.28	

LTE B7

Test Bandwidth	RB allocation	RBstart	Test Range	Output Power (dBm)	Tune up Tolerance (dBm)
5MHz	1RB	0	low	22.58	23.0
		0	mid	22.33	
		24	high	22.23	
	8RB	0	low	22.56	23.0
		0	mid	22.35	
		17	high	22.31	
20MHz	1RB	0	low	22.31	22.5
		0	mid	22.13	
		99	high	22.03	
	18RB	0	low	22.22	22.5
		0	mid	22.07	
		82	high	21.96	

LTE B8

Test Bandwidth	RB allocation	RBstart	Test Range	Output Power (dBm)	Tune up Tolerance (dBm)
1.4MHz	1RB	0	low	22.82	23.0
		0	mid	22.75	
		0	high	22.67	
	5RB	0	low	22.84	23.0
		0	mid	22.75	
		0	high	22.81	
5MHz	1RB	0	low	22.87	23.0
		0	mid	22.76	
		24	high	22.76	
	8RB	0	low	22.85	23.0
		0	mid	22.80	
		17	high	22.76	
10MHz	1RB	0	low	22.87	23.0
		0	mid	22.95	
		49	high	22.76	
	12RB	0	low	22.91	23.0
		0	mid	22.82	
		38	high	22.78	

LTE B20

Test Bandwidth	RB allocation	RBstart	Test Range	Output Power (dBm)	Tune up Tolerance (dBm)
5MHz	1RB	0	low	22.89	23.0
		0	mid	22.84	
		24	high	22.84	
	8RB	0	low	22.95	23.0
		0	mid	22.92	
		17	high	22.76	
20MHz	1RB	0	low	22.77	23.0
		0	mid	22.65	
		99	high	22.48	
	18RB	0	low	22.85	23.0
		0	mid	22.64	
		82	high	22.51	

LTE B28

Test Bandwidth	RB allocation	RBstart	Test Range	Output Power (dBm)	Tune up Tolerance (dBm)
3MHz	1RB	0	low	22.94	23.0
		0	mid	22.87	
		14	high	22.73	
	4RB	0	low	22.91	23.0
		0	mid	22.91	
		11	high	22.78	
5MHz	1RB	0	low	22.87	23.0
		0	mid	22.97	
		24	high	22.74	
	8RB	0	low	22.92	23.0
		0	mid	22.98	
		17	high	22.72	
20MHz	1RB	0	low	22.59	23.0
		0	mid	22.73	
		99	high	22.47	
	18RB	0	low	22.63	23.0
		0	mid	22.71	
		82	high	22.51	

LTE B38

Test Bandwidth	RB allocation	RBstart	Test Range	Output Power (dBm)	Tune up Tolerance (dBm)
5MHz	1RB	0	Low	22.19	22.5
		0	Mid	22.19	
		24	High	22.29	
	8RB	0	Low	22.27	22.5
		0	Mid	22.26	
		17	High	22.24	
20MHz	1RB	0	Low	21.95	22.0
		0	Mid	21.90	
		99	High	21.99	
	18RB	0	Low	22.01	22.5
		0	Mid	22.02	
		82	High	22.08	

LTE B40

Test Bandwidth	RB allocation	RBstart	Test Range	Output Power (dBm)	Tune up Tolerance (dBm)
5MHz	1RB	0	Low	22.74	24.0
		0	Mid	23.71	
		24	High	22.65	
	8RB	0	Low	23.23	24.0
		0	Mid	23.79	
		17	High	23.34	
20MHz	1RB	0	Low	22.59	24.0
		0	Mid	23.66	
		99	High	22.63	
	18RB	0	Low	23.17	24.0
		0	Mid	23.68	
		82	High	23.17	

LTE B42

Test Bandwidth	RB allocation	RBstart	Test Range	Output Power (dBm)	Tune up Tolerance (dBm)
5MHz	1RB	0	Low	23.58	24.0
		0	Mid	23.83	
		24	High	23.58	
	8RB	0	Low	23.70	24.0
		0	Mid	23.80	
		17	High	23.68	
20MHz	1RB	0	Low	23.39	24.0
		0	Mid	23.65	
		99	High	23.56	
	18RB	0	Low	23.41	24.0
		0	Mid	23.65	
		82	High	23.59	

LTE B43

Test Bandwidth	RB allocation	RBstart	Test Range	Output Power (dBm)	Tune up Tolerance (dBm)
5MHz	1RB	0	Low	23.76	24.0
		0	Mid	23.76	
		24	High	23.66	
	8RB	0	Low	23.70	24.0
		0	Mid	23.84	
		17	High	23.63	
20MHz	1RB	0	Low	23.47	24.0
		0	Mid	23.55	
		99	High	23.45	
	18RB	0	Low	23.46	24.0
		0	Mid	23.51	
		82	High	23.56	

LTE B68

Test Bandwidth	RB allocation	RBstart	Test Range	Output Power (dBm)	Tune up Tolerance (dBm)
5MHz	1RB	0	low	22.48	22.5
		0	mid	22.43	
		24	high	22.44	
	8RB	0	low	22.50	22.5
		0	mid	22.47	
		17	high	22.48	
15MHz	1RB	0	low	22.32	22.5
		0	mid	22.32	
		74	high	22.37	
	16RB	0	low	22.29	22.5
		0	mid	22.34	
		59	high	22.31	

Reduce Power (SAR Sensor)

LTE B1

Test Bandwidth	RB allocation	RBstart	Test Range	Output Power (dBm)	Tune up Tolerance (dBm)
5MHz	1RB	0	low	19.52	20.0
	1RB	0	mid	19.32	
	1RB	24	high	19.51	
	8RB	0	low	19.48	19.5
	8RB	0	mid	19.31	
	8RB	17	high	19.44	
20MHz	1RB	0	low	19.17	19.5
	1RB	0	mid	19.05	
	1RB	99	high	19.18	
	18RB	0	low	19.20	19.5
	18RB	0	mid	19.08	
	18RB	82	high	19.17	

LTE B3

Test Bandwidth	RB allocation	RBstart	Test Range	Output Power (dBm)	Tune up Tolerance (dBm)
1.4MHz	1RB	0	low	19.73	20.0
		0	mid	19.75	
		0	high	19.87	
	5RB	0	low	19.64	20.0
		0	mid	19.73	
		0	high	19.92	
5MHz	1RB	0	low	19.72	20.0
		0	mid	19.74	
		24	high	19.95	
	8RB	0	low	19.67	20.0
		0	mid	19.82	
		17	high	19.92	
20MHz	1RB	0	low	19.36	20.0
		0	mid	19.47	
		99	high	19.70	
	18RB	0	low	19.45	20.0
		0	mid	19.52	
		82	high	19.78	

LTE B40

Test Bandwidth	RB allocation	RBstart	Test Range	Output Power (dBm)	Tune up Tolerance (dBm)
5MHz	1RB	0	Low	20.04	20.5
		0	Mid	19.91	
		24	High	19.75	
	8RB	0	Low	20.23	20.5
		0	Mid	19.99	
		17	High	19.64	
20MHz	1RB	0	Low	19.89	20.0
		0	Mid	19.86	
		99	High	19.33	
	18RB	0	Low	19.87	20.0
		0	Mid	19.78	
		82	High	19.37	

LTE B42

Test Bandwidth	RB allocation	RBstart	Test Range	Output Power (dBm)	Tune up Tolerance (dBm)
5MHz	1RB	0	Low	23.08	23.5
		0	Mid	23.33	
		24	High	23.08	
	8RB	0	Low	23.20	23.5
		0	Mid	23.30	
		17	High	23.18	
20MHz	1RB	0	Low	22.89	23.5
		0	Mid	23.15	
		99	High	23.06	
	18RB	0	Low	22.91	23.5
		0	Mid	23.15	
		82	High	23.09	

LTE B43

Test Bandwidth	RB allocation	RBstart	Test Range	Output Power (dBm)	Tune up Tolerance (dBm)
5MHz	1RB	0	Low	23.26	23.5
		0	Mid	23.26	
		24	High	23.16	
	8RB	0	Low	23.20	23.5
		0	Mid	23.34	
		17	High	23.13	
20MHz	1RB	0	Low	22.97	23.5
		0	Mid	23.05	
		99	High	22.95	
	18RB	0	Low	22.96	23.5
		0	Mid	23.01	
		82	High	23.06	

Licensed SISO2

Full Power

LTE B1

Test Bandwidth	RB allocation	RBstart	Test Range	Output Power (dBm)	Tune up Tolerance (dBm)
5MHz	1RB	0	low	19.84	20.0
	1RB	0	mid	19.65	
	1RB	24	high	19.45	
	8RB	0	low	19.80	20.0
	8RB	0	mid	19.61	
	8RB	17	high	19.47	
20MHz	1RB	0	low	19.55	20.0
	1RB	0	mid	19.54	
	1RB	99	high	19.22	
	18RB	0	low	19.54	20.0
	18RB	0	mid	19.40	
	18RB	82	high	19.20	

LTE B3

Test Bandwidth	RB allocation	RBstart	Test Range	Output Power (dBm)	Tune up Tolerance (dBm)
1.4MHz	1RB	0	low	19.21	19.5
		0	mid	19.21	
		0	high	19.21	
	5RB	0	low	19.24	19.5
		0	mid	19.18	
		0	high	19.31	
5MHz	1RB	0	low	19.22	19.5
		0	mid	19.18	
		24	high	19.36	
	8RB	0	low	19.21	19.5
		0	mid	19.17	
		17	high	19.33	
20MHz	1RB	0	low	19.10	19.5
		0	mid	19.06	
		99	high	19.05	
	18RB	0	low	19.05	19.5
		0	mid	19.02	
		82	high	19.04	

LTE B7

Test Bandwidth	RB allocation	RBstart	Test Range	Output Power (dBm)	Tune up Tolerance (dBm)
5MHz	1RB	0	low	15.39	15.5
		0	mid	15.48	
		24	high	15.39	
	8RB	0	low	15.43	15.5
		0	mid	15.49	
		17	high	15.46	
20MHz	1RB	0	low	15.20	15.5
		0	mid	15.14	
		99	high	15.21	
	18RB	0	low	15.24	15.5
		0	mid	15.23	
		82	high	15.22	

LTE B8

Test Bandwidth	RB allocation	RBstart	Test Range	Output Power (dBm)	Tune up Tolerance (dBm)
1.4MHz	1RB	0	low	22.45	22.5
		0	mid	22.46	
		0	high	22.43	
	5RB	0	low	22.56	23.0
		0	mid	22.47	
		0	high	22.51	
5MHz	1RB	0	low	22.49	22.5
		0	mid	22.42	
		24	high	22.47	
	8RB	0	low	22.52	23.0
		0	mid	22.52	
		17	high	22.50	
10MHz	1RB	0	low	22.52	23.0
		0	mid	22.59	
		49	high	22.54	
	12RB	0	low	22.50	23.0
		0	mid	22.49	
		38	high	22.53	

LTE B20

Test Bandwidth	RB allocation	RBstart	Test Range	Output Power (dBm)	Tune up Tolerance (dBm)
5MHz	1RB	0	low	22.54	23.0
		0	mid	22.41	
		24	high	22.29	
	8RB	0	low	22.52	23.0
		0	mid	22.45	
		17	high	22.46	
20MHz	1RB	0	low	22.28	22.5
		0	mid	22.28	
		99	high	22.22	
	18RB	0	low	22.26	22.5
		0	mid	22.27	
		82	high	22.25	

LTE B28

Test Bandwidth	RB allocation	RBstart	Test Range	Output Power (dBm)	Tune up Tolerance (dBm)
3MHz	1RB	0	low	22.44	23.0
		0	mid	22.51	
		14	high	22.31	
	4RB	0	low	22.22	23.0
		0	mid	22.54	
		11	high	22.41	
5MHz	1RB	0	low	21.75	22.5
		0	mid	22.49	
		24	high	22.30	
	8RB	0	low	21.73	22.5
		0	mid	22.50	
		17	high	22.38	
20MHz	1RB	0	low	21.71	22.5
		0	mid	22.33	
		99	high	22.12	
	18RB	0	low	21.94	22.5
		0	mid	22.29	
		82	high	22.24	

LTE B38

Test Bandwidth	RB allocation	RBstart	Test Range	Output Power (dBm)	Tune up Tolerance (dBm)
5MHz	1RB	0	Low	19.42	19.5
		0	Mid	19.37	
		24	High	19.26	
	8RB	0	Low	19.34	19.5
		0	Mid	19.42	
		17	High	19.30	
20MHz	1RB	0	Low	19.04	19.5
		0	Mid	19.05	
		99	High	19.17	
	18RB	0	Low	19.16	19.5
		0	Mid	19.17	
		82	High	19.20	

LTE B40

Test Bandwidth	RB allocation	RBstart	Test Range	Output Power (dBm)	Tune up Tolerance (dBm)
5MHz	1RB	0	Low	19.49	19.5
		0	Mid	19.35	
		24	High	19.19	
	8RB	0	Low	19.50	19.5
		0	Mid	19.45	
		17	High	19.20	
20MHz	1RB	0	Low	19.43	19.5
		0	Mid	19.20	
		99	High	18.92	
	18RB	0	Low	19.35	19.5
		0	Mid	19.30	
		82	High	18.93	

LTE B42

Test Bandwidth	RB allocation	RBstart	Test Range	Output Power (dBm)	Tune up Tolerance (dBm)
5MHz	1RB	0	Low	24.18	24.5
		0	Mid	24.36	
		24	High	23.59	
	8RB	0	Low	24.23	24.5
		0	Mid	24.40	
		17	High	23.68	
20MHz	1RB	0	Low	23.88	24.5
		0	Mid	24.07	
		99	High	23.49	
	18RB	0	Low	23.99	24.5
		0	Mid	24.21	
		82	High	23.56	

LTE B43

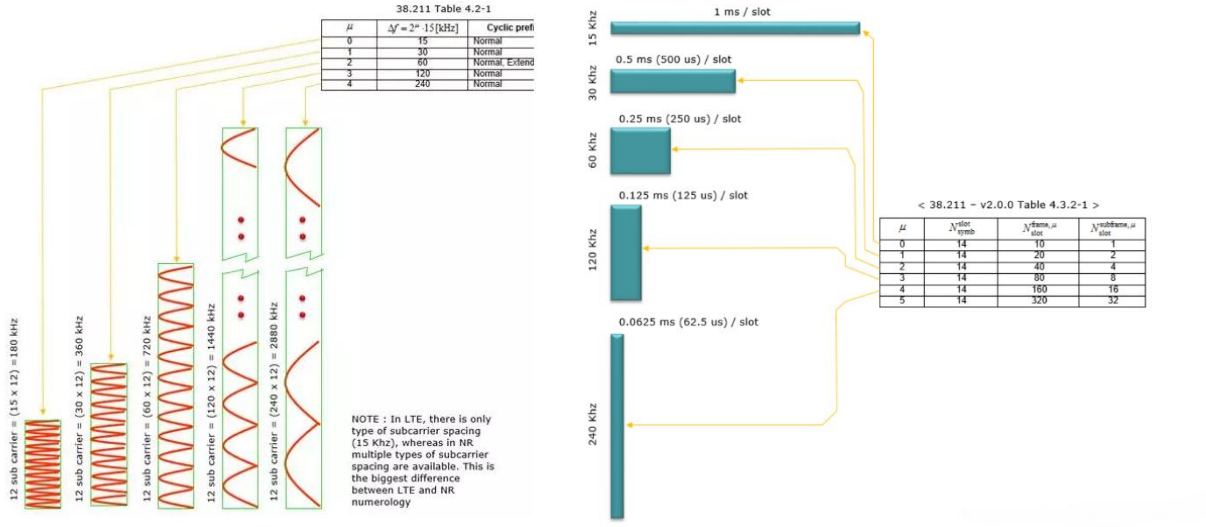
Test Bandwidth	RB allocation	RBstart	Test Range	Output Power (dBm)	Tune up Tolerance (dBm)
5MHz	1RB	0	Low	21.62	22.0
		0	Mid	21.09	
		24	High	19.94	
	8RB	0	Low	21.61	22.0
		0	Mid	21.01	
		17	High	19.88	
20MHz	1RB	0	Low	21.43	21.5
		0	Mid	20.80	
		99	High	19.62	
	18RB	0	Low	21.42	21.5
		0	Mid	20.85	
		82	High	19.76	

LTE B68

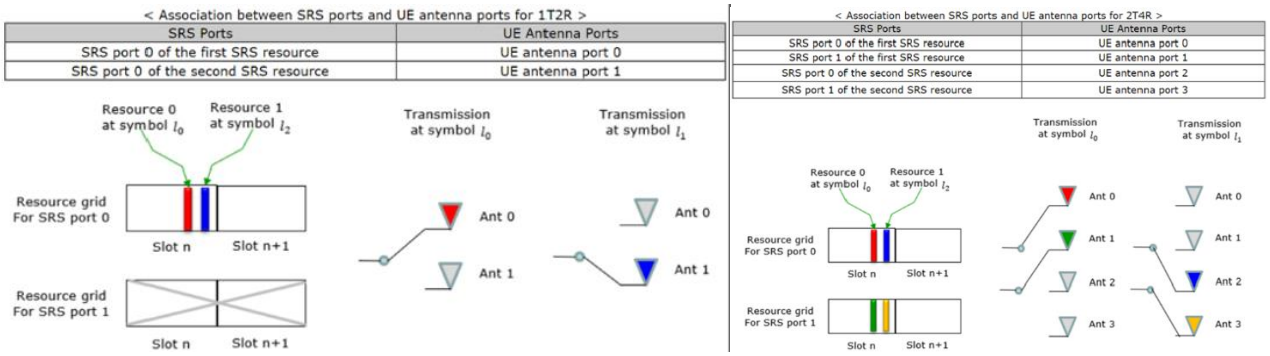
Test Bandwidth	RB allocation	RBstart	Test Range	Output Power (dBm)	Tune up Tolerance (dBm)
5MHz	1RB	0	low	22.51	23.0
		0	mid	22.49	
		24	high	22.45	
	8RB	0	low	22.49	22.5
		0	mid	22.46	
		17	high	22.45	
15MHz	1RB	0	low	22.29	22.5
		0	mid	22.31	
		74	high	22.38	
	16RB	0	low	22.42	22.5
		0	mid	22.44	
		59	high	22.31	

6.2.4 NR

SA



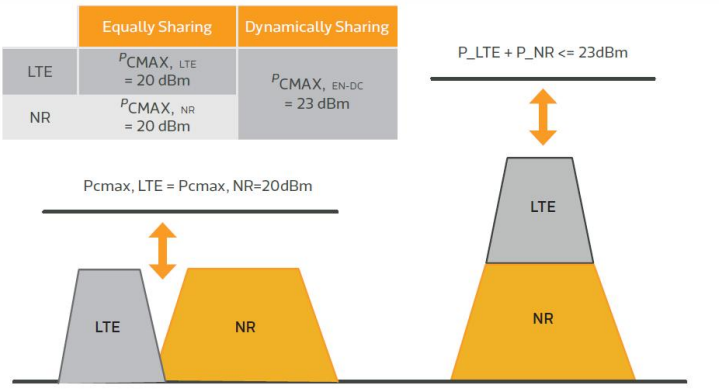
For TDD NR Band operation does not have the fixed UL/DL frame structure in the normal operation, but if the duty cycle larger than 50% for HPUE, MPR applied according to 3GPP. So SRTC proposing the conservative way to evaluate NR TDD which support HPUE with 50% duty cycle.



When DUT support SRS AS, the function shall be taken into account. Switching period (the last 6 symbols could be used in one slot) is low and not stable with automatically (1solt-2560slots) transmit or triggered by DCI format controlled by high layer, Then DUT choose the antenna(s) with best performance.

NSA

DPS (Dynamically Power Sharing) allocation method is often used for NR and LTE carrier of ENDC.



According to 3GPP 38.521 the maximum power for DFT-s-OFDM PI/2 BPSK (if support) and DFT-s-OFDM QPSK, so other wave-form (CP) and higher order modulation (such as 16QAM,64QAM,256QAM) are not mentioned here.

Licensed SISO1

Full Power

NR B1

SCS	Modulation	Bandwidth	RB allocation	Range	Output Power(dBm)	Tune up Tolerance (dBm)
15KHZ	DFT-s-OFDM PI/2 BPSK	5MHz	12@6	low	24.09	24.5
			12@6	mid	24.32	24.5
			12@6	high	24.23	24.5
			1@1	low	24.12	24.5
			1@1	mid	24.08	24.5
			1@1	high	24.10	24.5
			1@23	low	24.28	24.5
			1@23	mid	24.09	24.5
			1@23	high	24.30	24.5
		15MHz	36@18	low	24.06	24.5
			36@18	mid	24.18	24.5
			36@18	high	24.26	24.5
			1@1	low	24.15	24.5
			1@1	mid	24.16	24.5
			1@1	high	24.19	24.5
			1@77	low	24.22	24.5
			1@77	mid	24.19	24.5
			1@77	high	24.13	24.5
		20MHz	50@25	low	24.15	24.5
			50@25	mid	24.31	24.5
			50@25	high	24.24	24.5
			1@1	low	24.12	24.5
			1@1	mid	24.14	24.5
			1@1	high	24.14	24.5
			1@104	low	24.16	24.5
			1@104	mid	24.07	24.5
			1@104	high	24.30	24.5
	DFT-s-OFDM QPSK	5MHz	12@6	low	24.06	24.5
			12@6	mid	24.27	24.5
			12@6	high	24.13	24.5
			1@1	low	24.25	24.5
			1@1	mid	24.16	24.5
			1@1	high	24.21	24.5
			1@23	low	24.12	24.5
			1@23	mid	24.23	24.5
			1@23	high	24.08	24.5
		15MHz	36@18	low	24.07	24.5
			36@18	mid	24.16	24.5
			36@18	high	24.21	24.5
			1@1	low	24.12	24.5
			1@1	mid	24.20	24.5
			1@1	high	24.26	24.5

			1@77	low	24.15	24.5
			1@77	mid	24.28	24.5
			1@77	high	24.22	24.5
		20MHz	50@25	low	24.19	24.5
			50@25	mid	24.29	24.5
			50@25	high	24.11	24.5
			1@1	low	24.06	24.5
			1@1	mid	24.23	24.5
			1@1	high	24.18	24.5
			1@104	low	24.17	24.5
			1@104	mid	24.30	24.5
			1@104	high	24.20	24.5

NR B3

SCS	Modulation	Bandwidth	RB allocation	Range	Output Power(dBm)	Tune up Tolerance (dBm)
15KHZ	DFT-s-OFDM PI/2 BPSK	5MHz	12@6	low	24.16	24.5
			12@6	mid	23.97	24.5
			12@6	high	24.07	24.5
			1@1	low	24.23	24.5
			1@1	mid	24.06	24.5
			1@1	high	24.13	24.5
			1@23	low	24.10	24.5
			1@23	mid	24.09	24.5
			1@23	high	24.03	24.5
		15MHz	36@18	low	24.20	24.5
			36@18	mid	24.19	24.5
			36@18	high	24.09	24.5
			1@1	low	24.06	24.5
			1@1	mid	23.98	24.5
			1@1	high	24.20	24.5
			1@77	low	24.13	24.5
			1@77	mid	24.19	24.5
			1@77	high	24.02	24.5
		20MHz	50@25	low	24.05	24.5
			50@25	mid	23.98	24.5
			50@25	high	24.14	24.5
			1@1	low	24.20	24.5
			1@1	mid	23.96	24.5
			1@1	high	24.07	24.5
			1@104	low	24.08	24.5
			1@104	mid	24.07	24.5
			1@104	high	24.09	24.5
	DFT-s-OFDM QPSK	5MHz	12@6	low	24.20	24.5
			12@6	mid	24.06	24.5
			12@6	high	24.08	24.5
			1@1	low	24.04	24.5

			1@1	mid	24.17	24.5
			1@1	high	24.18	24.5
			1@23	low	24.16	24.5
			1@23	mid	23.99	24.5
			1@23	high	24.00	24.5
		15MHz	36@18	low	24.02	24.5
			36@18	mid	24.13	24.5
			36@18	high	24.19	24.5
			1@1	low	24.10	24.5
			1@1	mid	24.20	24.5
			1@1	high	24.14	24.5
			1@77	low	24.17	24.5
			1@77	mid	24.18	24.5
			1@77	high	24.10	24.5
		20MHz	50@25	low	23.98	24.5
			50@25	mid	24.12	24.5
			50@25	high	24.14	24.5
			1@1	low	24.04	24.5
			1@1	mid	23.97	24.5
			1@1	high	24.06	24.5
			1@104	low	24.02	24.5
			1@104	mid	24.05	24.5
			1@104	high	24.01	24.5

NR B7

SCS	Modulation	BandWidth	RBallocation	Range	Output Power(dBm)	Tune up Tolerance (dBm)
15KHZ	DFT-s-OFDM PI/2 BPSK	5MHz	12@6	low	22.03	22.5
				mid	22.03	
				high	21.94	
			1@1	low	22.00	22.5
				mid	22.10	
				high	21.84	
			1@23	low	22.05	22.5
				mid	21.99	
				high	21.97	
		15MHz	36@18	low	21.80	22.5
				mid	21.82	
				high	21.89	
			1@1	low	21.82	22.5
				mid	21.99	
				high	21.84	
			1@77	low	21.95	22.5
				mid	21.84	
				high	21.87	
		20MHz	50@25	low	21.95	22.5
				mid	21.81	

				high	21.86	
			1@1	low	21.99	22.5
				mid	21.94	
				high	21.82	
			1@104	low	21.99	22.5
				mid	21.83	
				high	21.82	
15KHZ	DFT-s-OFDM QPSK	5MHz	12@6	low	21.85	22.5
				mid	21.98	
				high	21.97	
			1@1	low	22.00	22.5
				mid	21.95	
				high	21.86	
			1@23	low	22.00	22.5
				mid	21.93	
				high	21.84	
		15MHz	36@18	low	21.97	22.5
				mid	21.93	
				high	21.91	
			1@1	low	21.89	22.5
				mid	21.88	
				high	21.83	
			1@77	low	21.89	22.5
				mid	21.95	
				high	21.98	
		20MHz	50@25	low	22.00	22.5
				mid	21.85	
				high	21.92	
			1@1	low	22.02	22.5
				mid	21.82	
				high	21.97	
			1@104	low	21.85	22.5
				mid	21.99	
				high	21.81	

NR B8

SCS	Modulation	Bandwidth	RB allocation	Range	Output Power(dBm)	Tune up Tolerance (dBm)
15KHZ	DFT-s-OFDM PI/2 BPSK	5MHz	12@6	low	23.59	24
			12@6	mid	23.71	24
			12@6	high	23.53	24
			1@1	low	23.76	24
			1@1	mid	23.63	24
			1@1	high	23.59	24
			1@23	low	23.87	24
			1@23	mid	23.65	24
			1@23	high	23.81	24
		15MHz	36@18	low	23.78	24

			36@18	mid	23.73	24
			36@18	high	23.53	24
			1@1	low	23.78	24
			1@1	mid	23.75	24
			1@1	high	23.52	24
			1@77	low	23.54	24
			1@77	mid	23.79	24
			1@77	high	23.52	24
		20MHz	50@25	low	23.53	24
			50@25	mid	23.73	24
			50@25	high	23.72	24
			1@1	low	23.83	24
			1@1	mid	23.82	24
			1@1	high	23.55	24
			1@104	low	23.53	24
			1@104	mid	23.67	24
			1@104	high	23.54	24
	DFT-s-OFDM QPSK	5MHz	12@6	low	23.76	24
			12@6	mid	23.61	24
			12@6	high	23.68	24
			1@1	low	23.61	24
			1@1	mid	23.65	24
			1@1	high	23.52	24
			1@23	low	23.76	24
			1@23	mid	23.61	24
			1@23	high	23.59	24
		15MHz	36@18	low	23.71	24
			36@18	mid	23.68	24
			36@18	high	23.84	24
			1@1	low	23.76	24
			1@1	mid	23.68	24
			1@1	high	23.81	24
			1@77	low	23.63	24
			1@77	mid	23.70	24
			1@77	high	23.65	24
		20MHz	50@25	low	23.77	24
			50@25	mid	23.62	24
			50@25	high	23.56	24
			1@1	low	23.69	24
			1@1	mid	23.64	24
			1@1	high	23.78	24
			1@104	low	23.84	24
			1@104	mid	23.52	24
			1@104	high	23.66	24

NR B20

SCS	Modulation	BandWidth	RBallocation	Range	Output Power(dBm)	Tune up Tolerance (dBm)
15KHZ	DFT-s-OFDM PI/2 BPSK	5MHz	12@6	low	22.58	23
				mid	22.56	
				high	22.71	
			1@1	low	22.69	23
				mid	22.78	
				high	22.80	
			1@23	low	22.64	23
				mid	22.66	
				high	22.74	
		15MHz	36@18	low	22.79	23
				mid	22.65	
				high	22.79	
			1@1	low	22.57	23
				mid	22.57	
				high	22.68	
			1@77	low	22.72	23
				mid	22.75	
				high	22.63	
		20MHz	50@25	low	22.72	23
				mid	22.63	
				high	22.56	
			1@1	low	22.74	23
				mid	22.60	
				high	22.71	
			1@104	low	22.63	23
				mid	22.75	
				high	22.75	
15KHZ	DFT-s-OFDM QPSK	5MHz	12@6	low	22.79	23
				mid	22.63	
				high	22.64	
			1@1	low	22.78	23
				mid	22.73	
				high	22.65	
			1@23	low	22.65	23
				mid	22.78	
				high	22.65	
		15MHz	36@18	low	22.67	23
				mid	22.79	
				high	22.67	
			1@1	low	22.76	23
				mid	22.60	
				high	22.56	
			1@77	low	22.71	23
				mid	22.77	

				high	22.71	
		20MHz	50@25	low	22.74	23
				mid	22.78	
				high	22.65	
			1@1	low	22.59	23
				mid	22.65	
				high	22.64	
			1@104	low	22.55	23
				mid	22.77	
				high	22.57	

NR B28

SCS	Modulation	Bandwidth	RB allocation	Range	Output Power(dBm)	Tune up Tolerance (dBm)
15KHZ	DFT-s-OFDM PI/2 BPSK	5MHz	12@6	low	23.78	24
			12@6	mid	23.81	24
			12@6	high	23.73	24
			1@1	low	23.63	24
			1@1	mid	23.83	24
			1@1	high	23.68	24
			1@23	low	23.71	24
			1@23	mid	23.76	24
			1@23	high	23.79	24
		15MHz	36@18	low	23.79	24
			36@18	mid	23.57	24
			36@18	high	23.70	24
			1@1	low	23.74	24
			1@1	mid	23.87	24
			1@1	high	23.90	24
			1@77	low	23.85	24
			1@77	mid	23.75	24
			1@77	high	23.73	24
		20MHz	50@25	low	23.73	24
			50@25	mid	23.87	24
			50@25	high	23.71	24
			1@1	low	23.78	24
			1@1	mid	23.55	24
			1@1	high	23.74	24
			1@104	low	23.58	24
			1@104	mid	23.72	24
			1@104	high	23.78	24
	DFT-s-OFDM QPSK	5MHz	12@6	low	23.82	24
			12@6	mid	23.76	24
			12@6	high	23.74	24
			1@1	low	23.66	24
			1@1	mid	23.70	24
			1@1	high	23.67	24

			1@23	low	23.83	24
			1@23	mid	23.56	24
			1@23	high	23.87	24
		15MHz	36@18	low	23.83	24
			36@18	mid	23.70	24
			36@18	high	23.80	24
			1@1	low	23.56	24
			1@1	mid	23.83	24
			1@1	high	23.58	24
			1@77	low	23.82	24
			1@77	mid	23.68	24
			1@77	high	23.74	24
		20MHz	50@25	low	23.66	24
			50@25	mid	23.84	24
			50@25	high	23.81	24
			1@1	low	23.56	24
			1@1	mid	23.60	24
			1@1	high	23.55	24
			1@104	low	23.78	24
			1@104	mid	23.74	24
			1@104	high	23.57	24

NR B38

SCS	Modulation	BandWidth	RBallocation	Range	Output Power(dBm)	Tune up Tolerance (dBm)
15KHZ	DFT-s-OFDM PI/2 BPSK	5MHz	12@6	low	21.79	22
				mid	21.76	
				high	21.93	
			1@1	low	21.79	22
				mid	21.95	
				high	21.79	
			1@23	low	21.94	22
				mid	21.73	
				high	21.92	
		15MHz	36@18	low	21.73	22
				mid	21.70	
				high	21.74	
			1@1	low	21.90	22
				mid	21.71	
				high	21.93	
			1@77	low	21.73	22
				mid	21.90	
				high	21.95	
		20MHz	50@25	low	21.95	22
				mid	21.81	
				high	21.89	
			1@1	low	21.96	22
				mid	21.79	

				high	22.00	
			1@104	low	21.82	22
				mid	21.83	
				high	21.93	
15KHZ	DFT-s-OFDM QPSK	5MHz	12@6	low	21.71	22
				mid	21.97	
				high	21.70	
			1@1	low	21.83	22
				mid	21.91	
				high	21.88	
			1@23	low	21.96	22
				mid	21.88	
				high	21.73	
		15MHz	36@18	low	21.78	22
				mid	21.86	
				high	21.76	
			1@1	low	21.75	22
				mid	21.97	
				high	21.97	
			1@77	low	21.80	22
				mid	21.75	
				high	21.75	
		20MHz	50@25	low	21.73	22
				mid	21.95	
				high	21.93	
			1@1	low	21.97	22
				mid	21.96	
				high	21.70	
			1@104	low	21.73	22
				mid	21.81	
				high	21.94	

NR B40

SCS	Modulation	BandWidth	RBallocation	Range	Output Power(dBm)	Tune up Tolerance (dBm)
15KHZ	DFT-s-OFDM PI/2 BPSK	5MHz	12@6	low	24.29	24.5
				mid	24.16	
				high	24.02	
			1@1	low	24.15	24.5
				mid	24.24	
				high	24.12	
			1@23	low	24.07	24.5
				mid	24.19	
				high	24.22	
		15MHz	36@18	low	24.17	24.5
				mid	24.28	
				high	24.19	
			1@1	low	24.11	24.5

				mid	24.20	
				high	24.25	
			1@77	low	24.24	24.5
				mid	24.13	
				high	24.12	
		20MHz	50@25	low	24.34	24.5
				mid	24.17	
				high	24.25	
			1@1	low	24.18	24.5
				mid	24.20	
				high	24.01	
			1@104	low	24.20	24.5
				mid	24.04	
				high	24.11	
15KHZ	DFT-s-OFDM QPSK	5MHz	12@6	low	24.25	24.5
				mid	24.12	
				high	24.14	
			1@1	low	24.04	24.5
				mid	24.01	
				high	24.18	
			1@23	low	24.31	24.5
				mid	24.04	
				high	24.30	
		15MHz	36@18	low	24.30	24.5
				mid	24.02	
				high	24.19	
			1@1	low	24.14	24.5
				mid	24.19	
				high	24.28	
			1@77	low	24.31	24.5
				mid	24.08	
				high	24.23	
		20MHz	50@25	low	24.20	24.5
				mid	24.26	
				high	24.12	
			1@1	low	24.05	24.5
				mid	24.20	
				high	24.17	
			1@104	low	24.03	24.5
				mid	24.02	
				high	24.22	

NR B48

SCS	Modulation	Bandwidth	RB allocation	Range	Output Power(dBm)	Tune up Tolerance (dBm)
30KHZ	DFT-s-OFDM PI/2 BPSK	20MHz	25@12	low	24.25	24.5
			25@12	mid	24.24	24.5
			25@12	high	24.29	24.5
			1@1	low	24.28	24.5
			1@1	mid	24.36	24.5
			1@1	high	24.35	24.5
			1@49	low	24.37	24.5
			1@49	mid	24.29	24.5
			1@49	high	24.23	24.5
		50MHz	64@32	low	24.25	24.5
			64@32	mid	24.30	24.5
			64@32	high	24.17	24.5
			1@1	low	24.32	24.5
			1@1	mid	24.39	24.5
			1@1	high	24.37	24.5
			1@131	low	24.30	24.5
			1@131	mid	24.30	24.5
			1@131	high	24.24	24.5
		100MHz	135@67	low	24.34	24.5
			135@67	mid	24.28	24.5
			135@67	high	24.39	24.5
			1@1	low	24.31	24.5
			1@1	mid	24.41	24.5
			1@1	high	24.33	24.5
			1@271	low	24.27	24.5
			1@271	mid	24.24	24.5
			1@271	high	24.26	24.5
	DFT-s-OFDM QPSK	20MHz	25@12	low	24.27	24.5
			25@12	mid	24.38	24.5
			25@12	high	24.24	24.5
			1@1	low	24.20	24.5
			1@1	mid	24.33	24.5
			1@1	high	24.18	24.5
			1@49	low	24.20	24.5
			1@49	mid	24.35	24.5
			1@49	high	24.21	24.5
		50MHz	64@32	low	24.14	24.5
			64@32	mid	24.21	24.5
			64@32	high	24.24	24.5
			1@1	low	24.34	24.5
			1@1	mid	24.15	24.5
			1@1	high	24.36	24.5
			1@131	low	24.28	24.5

			1@131	mid	24.15	24.5
			1@131	high	24.34	24.5
		100MHz	135@67	low	24.28	24.5
			135@67	mid	24.34	24.5
			135@67	high	24.15	24.5
			1@1	low	24.22	24.5
			1@1	mid	24.21	24.5
			1@1	high	24.26	24.5
			1@271	low	24.37	24.5
			1@271	mid	24.36	24.5
			1@271	high	24.34	24.5

NR B77

SCS	Modulation	Bandwidth	RB allocation	Range	Output Power(dBm)	Tune up Tolerance (dBm)
30KHZ	DFT-s-OFDM PI/2 BPSK	50MHz	64@32	low	24.11	24.5
			64@32	mid	24.21	24.5
			64@32	high	24.21	24.5
			1@1	low	24.15	24.5
			1@1	mid	24.08	24.5
			1@1	high	24.19	24.5
			1@131	low	24.23	24.5
			1@131	mid	24.19	24.5
			1@131	high	24.17	24.5
		100MHz	135@67	low	24.17	24.5
			135@67	mid	24.11	24.5
			135@67	high	24.18	24.5
			1@1	low	24.11	24.5
			1@1	mid	24.11	24.5
			1@1	high	24.10	24.5
			1@271	low	24.18	24.5
			1@271	mid	24.17	24.5
			1@271	high	24.18	24.5
	DFT-s-OFDM QPSK	50MHz	64@32	low	24.12	24.5
			64@32	mid	24.14	24.5
			64@32	high	24.18	24.5
			1@1	low	24.16	24.5
			1@1	mid	24.18	24.5
			1@1	high	24.20	24.5
			1@131	low	24.05	24.5
			1@131	mid	24.16	24.5
			1@131	high	24.11	24.5
		100MHz	135@67	low	24.09	24.5
			135@67	mid	24.16	24.5
			135@67	high	24.12	24.5
			1@1	low	24.15	24.5
			1@1	mid	24.17	24.5

			1@1	high	24.08	24.5
			1@271	low	24.19	24.5
			1@271	mid	24.21	24.5
			1@271	high	24.18	24.5

NR B78

SCS	Modulation	Bandwidth	RB allocation	Range	Output Power(dBm)	Tune up Tolerance (dBm)
30KHZ	DFT-s-OFDM PI/2 BPSK	20MHz	25@12	low	26.42	26.5
			25@12	mid	26.41	26.5
			25@12	high	26.27	26.5
			1@1	low	26.26	26.5
			1@1	mid	26.32	26.5
			1@1	high	26.34	26.5
			1@49	low	26.38	26.5
			1@49	mid	26.29	26.5
			1@49	high	26.28	26.5
		50MHz	64@32	low	26.27	26.5
			64@32	mid	26.37	26.5
			64@32	high	26.34	26.5
			1@1	low	26.39	26.5
			1@1	mid	26.27	26.5
			1@1	high	26.48	26.5
			1@131	low	26.48	26.5
			1@131	mid	26.31	26.5
			1@131	high	26.31	26.5
		100MHz	135@67	low	26.25	26.5
			135@67	mid	26.29	26.5
			135@67	high	26.46	26.5
			1@1	low	26.42	26.5
			1@1	mid	26.24	26.5
			1@1	high	26.30	26.5
			1@271	low	26.42	26.5
			1@271	mid	26.30	26.5
			1@271	high	26.48	26.5
	DFT-s-OFDM QPSK	20MHz	25@12	low	26.39	26.5
			25@12	mid	26.28	26.5
			25@12	high	26.29	26.5
			1@1	low	26.43	26.5
			1@1	mid	26.39	26.5
			1@1	high	26.28	26.5
			1@49	low	26.39	26.5
			1@49	mid	26.31	26.5
			1@49	high	26.46	26.5
		50MHz	64@32	low	26.38	26.5
			64@32	mid	26.40	26.5

			64@32	high	26.31	26.5
			1@1	low	26.42	26.5
			1@1	mid	26.25	26.5
			1@1	high	26.47	26.5
			1@131	low	26.25	26.5
			1@131	mid	26.34	26.5
			1@131	high	26.34	26.5
		100MHz	135@67	low	26.41	26.5
			135@67	mid	26.32	26.5
			135@67	high	26.36	26.5
			1@1	low	26.25	26.5
			1@1	mid	26.36	26.5
			1@1	high	26.48	26.5
			1@271	low	26.24	26.5
			1@271	mid	26.31	26.5
			1@271	high	26.33	26.5

Reduce Power (SAR Sensor)

NR B40

SCS	Modulation	BandWidth	RBallocation	Range	Output Power(dBm)	Tune up Tolerance (dBm)
15KHZ	DFT-s-OFDM PI/2 BPSK	5MHz	12@6	low	22.25	22.5
				mid	22.12	
				high	21.98	
			1@1	low	22.11	22.5
				mid	22.20	
				high	22.08	
			1@23	low	22.03	22.5
				mid	22.15	
				high	22.18	
		15MHz	36@18	low	22.13	22.5
				mid	22.24	
				high	22.15	
			1@1	low	22.07	22.5
				mid	22.16	
				high	22.21	
			1@77	low	22.20	22.5
				mid	22.09	
				high	22.08	
		20MHz	50@25	low	22.30	22.5
				mid	22.13	
				high	22.21	
			1@1	low	22.14	22.5
				mid	22.16	
				high	21.97	
			1@104	low	22.16	22.5
				mid	22.00	
				high	22.07	
15KHZ	DFT-s-OFDM QPSK	5MHz	12@6	low	22.21	22.5
				mid	22.08	
				high	22.10	
			1@1	low	22.00	22.5
				mid	21.97	
				high	22.14	
			1@23	low	22.27	22.5
				mid	22.00	
				high	22.26	
		15MHz	36@18	low	22.26	22.5
				mid	21.98	
				high	22.15	
			1@1	low	22.10	22.5
				mid	22.15	
				high	22.24	
			1@77	low	22.27	22.5
				mid	22.04	

				high	22.19	
		20MHz	50@25	low	22.16	22.5
				mid	22.22	
				high	22.08	
			1@1	low	22.01	22.5
				mid	22.16	
				high	22.13	
			1@104	low	21.99	22.5
				mid	21.98	
				high	22.18	

NR B48

SCS	Modulation	Bandwidth	RB allocation	Range	Output Power(dBm)	Tune up Tolerance (dBm)
30KHZ	DFT-s-OFDM PI/2 BPSK	50MHz	64@32	low	21.60	22
			64@32	mid	21.76	22
			64@32	high	21.64	22
			1@1	low	21.53	22
			1@1	mid	21.69	22
			1@1	high	21.50	22
			1@131	low	21.54	22
			1@131	mid	21.62	22
			1@131	high	21.74	22
		100MHz	135@67	low	21.58	22
			135@67	mid	21.67	22
			135@67	high	21.75	22
			1@1	low	21.63	22
			1@1	mid	21.80	22
			1@1	high	21.61	22
			1@271	low	21.68	22
			1@271	mid	21.54	22
			1@271	high	21.75	22
	DFT-s-OFDM QPSK	50MHz	64@32	low	21.65	22
			64@32	mid	21.51	22
			64@32	high	21.51	22
			1@1	low	21.64	22
			1@1	mid	21.62	22
			1@1	high	21.75	22
			1@131	low	21.63	22
			1@131	mid	21.69	22
			1@131	high	21.61	22
		100MHz	135@67	low	21.66	22
			135@67	mid	21.74	22
			135@67	high	21.77	22
			1@1	low	21.63	22
			1@1	mid	21.75	22
			1@1	high	21.55	22

			1@271	low	21.70	22
			1@271	mid	21.64	22
			1@271	high	21.66	22

NR B77

SCS	Modulation	Bandwidth	RB allocation	Range	Output Power(dBm)	Tune up Tolerance (dBm)
30KHZ	DFT-s-OFDM PI/2 BPSK	50MHz	64@32	low	21.88	22
			64@32	mid	21.98	22
			64@32	high	21.98	22
			1@1	low	21.92	22
			1@1	mid	21.85	22
			1@1	high	21.96	22
			1@131	low	22.00	22
			1@131	mid	21.96	22
			1@131	high	21.94	22
		100MHz	135@67	low	21.94	22
			135@67	mid	21.88	22
			135@67	high	21.95	22
			1@1	low	21.88	22
			1@1	mid	21.88	22
			1@1	high	21.87	22
			1@271	low	21.95	22
			1@271	mid	21.94	22
			1@271	high	21.95	22
	DFT-s-OFDM QPSK	50MHz	64@32	low	21.89	22
			64@32	mid	21.91	22
			64@32	high	21.95	22
			1@1	low	21.93	22
			1@1	mid	21.95	22
			1@1	high	21.97	22
			1@131	low	21.82	22
			1@131	mid	21.93	22
			1@131	high	21.88	22
		100MHz	135@67	low	21.86	22
			135@67	mid	21.93	22
			135@67	high	21.89	22
			1@1	low	21.92	22
			1@1	mid	21.94	22
			1@1	high	21.85	22
			1@271	low	21.96	22
			1@271	mid	21.98	22
			1@271	high	21.95	22

NR B78

SCS	Modulation	Bandwidth	RB allocation	Range	Output Power(dBm)	Tune up Tolerance (dBm)
30KHZ	DFT-s-OFDM PI/2 BPSK	20MHz	25@12	low	22.36	22.5
			25@12	mid	22.35	22.5
			25@12	high	22.21	22.5
			1@1	low	22.20	22.5
			1@1	mid	22.26	22.5
			1@1	high	22.28	22.5
			1@49	low	22.32	22.5
			1@49	mid	22.23	22.5
			1@49	high	22.22	22.5
		50MHz	64@32	low	22.21	22.5
			64@32	mid	22.31	22.5
			64@32	high	22.28	22.5
			1@1	low	22.33	22.5
			1@1	mid	22.21	22.5
			1@1	high	22.42	22.5
			1@131	low	22.42	22.5
			1@131	mid	22.25	22.5
			1@131	high	22.25	22.5
		100MHz	135@67	low	22.19	22.5
			135@67	mid	22.23	22.5
			135@67	high	22.40	22.5
			1@1	low	22.46	22.5
			1@1	mid	22.18	22.5
			1@1	high	22.24	22.5
			1@271	low	22.36	22.5
			1@271	mid	22.24	22.5
			1@271	high	22.42	22.5
	DFT-s-OFDM QPSK	20MHz	25@12	low	22.33	22.5
			25@12	mid	22.22	22.5
			25@12	high	22.23	22.5
			1@1	low	22.50	22.5
			1@1	mid	22.33	22.5
			1@1	high	22.22	22.5
			1@49	low	22.33	22.5
			1@49	mid	22.25	22.5
			1@49	high	22.40	22.5
		50MHz	64@32	low	22.32	22.5
			64@32	mid	22.34	22.5
			64@32	high	22.25	22.5
			1@1	low	22.46	22.5
			1@1	mid	22.19	22.5
			1@1	high	22.41	22.5
			1@131	low	22.19	22.5

			1@131	mid	22.28	22.5
			1@131	high	22.28	22.5
		100MHz	135@67	low	22.35	22.5
			135@67	mid	22.26	22.5
			135@67	high	22.30	22.5
			1@1	low	22.19	22.5
			1@1	mid	22.30	22.5
			1@1	high	22.42	22.5
			1@271	low	22.18	22.5
			1@271	mid	22.25	22.5
			1@271	high	22.27	22.5

Licensed SISO2

Full Power

NR B1

SCS	Modulation	Bandwidth	RB allocation	Range	Output Power(dBm)	Tune up Tolerance (dBm)
15KHZ	DFT-s-OFDM PI/2 BPSK	5MHz	12@6	low	19.08	19.5
			12@6	mid	18.86	19.5
			12@6	high	18.97	19.5
			1@1	low	18.91	19.5
			1@1	mid	18.98	19.5
			1@1	high	18.88	19.5
			1@23	low	18.88	19.5
			1@23	mid	19.01	19.5
			1@23	high	18.95	19.5
		15MHz	36@18	low	19.02	19.5
			36@18	mid	18.85	19.5
			36@18	high	18.98	19.5
			1@1	low	19.07	19.5
			1@1	mid	18.86	19.5
			1@1	high	19.07	19.5
			1@77	low	18.95	19.5
			1@77	mid	19.06	19.5
			1@77	high	18.98	19.5
		20MHz	50@25	low	19.06	19.5
			50@25	mid	19.08	19.5
			50@25	high	18.88	19.5
			1@1	low	18.98	19.5
			1@1	mid	19.06	19.5
			1@1	high	18.90	19.5
			1@104	low	19.00	19.5
			1@104	mid	18.98	19.5
			1@104	high	19.10	19.5
	DFT-s-OFDM QPSK	5MHz	12@6	low	19.04	19.5
			12@6	mid	18.88	19.5
			12@6	high	18.97	19.5
			1@1	low	18.85	19.5
			1@1	mid	18.92	19.5
			1@1	high	19.05	19.5
			1@23	low	18.97	19.5
			1@23	mid	18.97	19.5
			1@23	high	19.01	19.5
		15MHz	36@18	low	19.08	19.5
			36@18	mid	18.87	19.5
			36@18	high	18.88	19.5
			1@1	low	19.04	19.5

			1@1	mid	19.04	19.5
			1@1	high	18.93	19.5
			1@77	low	18.98	19.5
			1@77	mid	18.90	19.5
			1@77	high	19.05	19.5
		20MHz	50@25	low	18.93	19.5
			50@25	mid	18.95	19.5
			50@25	high	19.05	19.5
			1@1	low	18.98	19.5
			1@1	mid	19.05	19.5
			1@1	high	18.97	19.5
			1@104	low	19.03	19.5
			1@104	mid	19.06	19.5
			1@104	high	18.86	19.5

NR B3

SCS	Modulation	Bandwidth	RB allocation	Range	Output Power(dBm)	Tune up Tolerance (dBm)
15KHZ	DFT-s-OFDM PI/2 BPSK	5MHz	12@6	low	17.00	17.5
			12@6	mid	17.13	17.5
			12@6	high	17.05	17.5
			1@1	low	16.97	17.5
			1@1	mid	17.04	17.5
			1@1	high	17.18	17.5
			1@23	low	17.20	17.5
			1@23	mid	17.04	17.5
			1@23	high	17.11	17.5
		15MHz	36@18	low	17.17	17.5
			36@18	mid	17.05	17.5
			36@18	high	17.10	17.5
			1@1	low	17.16	17.5
			1@1	mid	16.98	17.5
			1@1	high	17.10	17.5
			1@77	low	17.18	17.5
			1@77	mid	17.04	17.5
			1@77	high	17.12	17.5
		20MHz	50@25	low	17.02	17.5
			50@25	mid	17.13	17.5
			50@25	high	17.01	17.5
			1@1	low	17.12	17.5
			1@1	mid	17.09	17.5
			1@1	high	16.97	17.5
			1@104	low	17.02	17.5
			1@104	mid	17.11	17.5
			1@104	high	17.04	17.5
	DFT-s-OFDM QPSK	5MHz	12@6	low	17.08	17.5
			12@6	mid	17.02	17.5

			12@6	high	17.05	17.5
			1@1	low	16.97	17.5
			1@1	mid	17.08	17.5
			1@1	high	16.99	17.5
			1@23	low	17.11	17.5
			1@23	mid	17.16	17.5
			1@23	high	17.01	17.5
		15MHz	36@18	low	17.02	17.5
			36@18	mid	17.01	17.5
			36@18	high	17.03	17.5
			1@1	low	17.16	17.5
			1@1	mid	17.12	17.5
			1@1	high	17.16	17.5
			1@77	low	17.08	17.5
			1@77	mid	17.08	17.5
			1@77	high	17.14	17.5
		20MHz	50@25	low	16.97	17.5
			50@25	mid	17.08	17.5
			50@25	high	17.14	17.5
			1@1	low	17.10	17.5
			1@1	mid	17.06	17.5
			1@1	high	17.05	17.5
			1@104	low	17.01	17.5
			1@104	mid	17.18	17.5
			1@104	high	17.14	17.5

NR B7

SCS	Modulation	BandWidth	RBallocation	Range	Output Power(dBm)	Tune up Tolerance (dBm)
15KHZ	DFT-s-OFDM PI/2 BPSK	5MHz	12@6	low	16.34	16.5
				mid	16.28	
				high	16.34	
			1@1	low	16.32	16.5
				mid	16.28	
				high	16.28	
			1@23	low	16.26	16.5
				mid	16.19	
				high	16.15	
		15MHz	36@18	low	16.32	16.5
				mid	16.33	
				high	16.28	
			1@1	low	16.36	16.5
				mid	16.33	
				high	16.36	
			1@77	low	16.40	16.5
				mid	16.20	
				high	16.28	

		20MHz	50@25	low	16.18	16.5
				mid	16.20	
				high	16.21	
			1@1	low	16.22	16.5
				mid	16.36	
				high	16.15	
			1@104	low	16.30	16.5
				mid	16.18	
				high	16.13	
15KHZ	DFT-s-OFDM QPSK	5MHz	12@6	low	16.35	16.5
				mid	16.30	
				high	16.32	
			1@1	low	16.13	16.5
				mid	16.35	
				high	16.31	
			1@23	low	16.17	16.5
				mid	16.20	
				high	16.36	
		15MHz	36@18	low	16.32	16.5
				mid	16.35	
				high	16.35	
			1@1	low	16.31	16.5
				mid	16.25	
				high	16.16	
			1@77	low	16.20	16.5
				mid	16.21	
				high	16.20	
		20MHz	50@25	low	16.36	16.5
				mid	16.29	
				high	16.30	
			1@1	low	16.29	16.5
				mid	16.28	
				high	16.33	
			1@104	low	16.13	16.5
				mid	16.30	
				high	16.27	

NR B8

SCS	Modulation	Bandwidth	RB allocation	Range	Output Power(dBm)	Tune up Tolerance (dBm)
15KHZ	DFT-s-OFDM PI/2 BPSK	5MHz	12@6	low	25.33	25.5
			12@6	mid	25.41	25.5
			12@6	high	25.40	25.5
			1@1	low	25.44	25.5
			1@1	mid	25.21	25.5
			1@1	high	25.31	25.5
			1@23	low	25.22	25.5
			1@23	mid	25.17	25.5

			1@23	high	25.24	25.5
		15MHz	36@18	low	25.37	25.5
			36@18	mid	25.15	25.5
			36@18	high	25.20	25.5
			1@1	low	25.43	25.5
			1@1	mid	25.36	25.5
			1@1	high	25.38	25.5
			1@77	low	25.31	25.5
			1@77	mid	25.23	25.5
			1@77	high	25.38	25.5
		20MHz	50@25	low	25.42	25.5
			50@25	mid	25.50	25.5
			50@25	high	25.36	25.5
			1@1	low	25.28	25.5
			1@1	mid	25.39	25.5
			1@1	high	25.23	25.5
			1@104	low	25.31	25.5
			1@104	mid	25.44	25.5
			1@104	high	25.39	25.5
	DFT-s-OFDM QPSK	5MHz	12@6	low	25.17	25.5
			12@6	mid	25.28	25.5
			12@6	high	25.45	25.5
			1@1	low	25.31	25.5
			1@1	mid	25.47	25.5
			1@1	high	25.30	25.5
			1@23	low	25.39	25.5
			1@23	mid	25.45	25.5
			1@23	high	25.47	25.5
		15MHz	36@18	low	25.38	25.5
			36@18	mid	25.34	25.5
			36@18	high	25.41	25.5
			1@1	low	25.27	25.5
			1@1	mid	25.28	25.5
			1@1	high	25.33	25.5
			1@77	low	25.36	25.5
			1@77	mid	25.30	25.5
			1@77	high	25.18	25.5
		20MHz	50@25	low	25.20	25.5
			50@25	mid	25.17	25.5
			50@25	high	25.28	25.5
			1@1	low	25.32	25.5
			1@1	mid	25.16	25.5
			1@1	high	25.45	25.5
			1@104	low	25.44	25.5
			1@104	mid	25.19	25.5
			1@104	high	25.30	25.5

NR B20

SCS	Modulation	BandWidth	RBallocation	Range	Output Power(dBm)	Tune up Tolerance (dBm)
15KHZ	DFT-s-OFDM PI/2 BPSK	5MHz	12@6	low	22.80	23
				mid	22.75	
				high	22.69	
			1@1	low	22.58	23
				mid	22.60	
				high	22.67	
			1@23	low	22.49	23
				mid	22.50	
				high	22.46	
		15MHz	36@18	low	22.79	23
				mid	22.75	
				high	22.48	
			1@1	low	22.55	23
				mid	22.52	
				high	22.74	
			1@77	low	22.48	23
				mid	22.55	
				high	22.71	
		20MHz	50@25	low	22.74	23
				mid	22.68	
				high	22.46	
			1@1	low	22.46	23
				mid	22.57	
				high	22.45	
			1@104	low	22.55	23
				mid	22.73	
				high	22.47	
15KHZ	DFT-s-OFDM QPSK	5MHz	12@6	low	22.59	23
				mid	22.75	
				high	22.69	
			1@1	low	22.65	23
				mid	22.63	
				high	22.46	
			1@23	low	22.45	23
				mid	22.76	
				high	22.54	
		15MHz	36@18	low	22.69	23
				mid	22.58	
				high	22.64	
			1@1	low	22.71	23
				mid	22.66	
				high	22.49	
			1@77	low	22.71	23
				mid	22.46	
				high	22.74	
		20MHz	50@25	low	22.62	23

				mid	22.56	
				high	22.63	
			1@1	low	22.70	23
				mid	22.71	
				high	22.79	
			1@104	low	22.66	23
				mid	22.49	
				high	22.76	

NR B28

SCS	Modulation	Bandwidth	RB allocation	Range	Output Power(dBm)	Tune up Tolerance (dBm)
15KHZ	DFT-s-OFDM PI/2 BPSK	5MHz	12@6	low	23.76	24
			12@6	mid	23.74	24
			12@6	high	23.81	24
			1@1	low	23.72	24
			1@1	mid	23.72	24
			1@1	high	23.79	24
			1@23	low	23.82	24
			1@23	mid	23.68	24
			1@23	high	23.79	24
		15MHz	36@18	low	23.66	24
			36@18	mid	23.70	24
			36@18	high	23.81	24
			1@1	low	23.76	24
			1@1	mid	23.75	24
			1@1	high	23.81	24
			1@77	low	23.82	24
			1@77	mid	23.72	24
			1@77	high	23.81	24
		20MHz	50@25	low	23.77	24
			50@25	mid	23.68	24
			50@25	high	23.68	24
			1@1	low	23.84	24
			1@1	mid	23.85	24
			1@1	high	23.75	24
			1@104	low	23.82	24
			1@104	mid	23.80	24
			1@104	high	23.70	24
	DFT-s-OFDM QPSK	5MHz	12@6	low	23.77	24
			12@6	mid	23.75	24
			12@6	high	23.69	24
			1@1	low	23.85	24
			1@1	mid	23.75	24
			1@1	high	23.67	24
			1@23	low	23.84	24
			1@23	mid	23.77	24

			1@23	high	23.74	24
		15MHz	36@18	low	23.82	24
			36@18	mid	23.83	24
			36@18	high	23.66	24
			1@1	low	23.71	24
			1@1	mid	23.84	24
			1@1	high	23.79	24
			1@77	low	23.83	24
			1@77	mid	23.66	24
			1@77	high	23.80	24
		20MHz	50@25	low	23.69	24
			50@25	mid	23.78	24
			50@25	high	23.74	24
			1@1	low	23.75	24
			1@1	mid	23.70	24
			1@1	high	23.90	24
			1@104	low	23.77	24
			1@104	mid	23.85	24
			1@104	high	23.67	24

NR B38

SCS	Modulation	BandWidth	RBallocation	Range	Output Power(dBm)	Tune up Tolerance (dBm)
15KHZ	DFT-s-OFDM PI/2 BPSK	5MHz	12@6	low	23.11	23.5
				mid	23.23	
				high	23.12	
			1@1	low	23.36	23.5
				mid	23.08	
				high	23.22	
			1@23	low	22.98	23.5
				mid	23.16	
				high	23.20	
		15MHz	36@18	low	23.18	23.5
				mid	23.23	
				high	23.30	
			1@1	low	22.97	23.5
				mid	23.13	
				high	23.36	
			1@77	low	23.26	23.5
				mid	23.36	
				high	23.33	
		20MHz	50@25	low	23.10	23.5
				mid	23.18	
				high	23.33	
			1@1	low	23.28	23.5
				mid	23.19	

				high	23.35	
			1@104	low	23.06	23.5
				mid	23.11	
				high	23.38	
15KHZ	DFT-s-OFDM QPSK	5MHz	12@6	low	23.10	23.5
				mid	22.99	
				high	23.36	
			1@1	low	23.21	23.5
				mid	23.31	
				high	22.94	
			1@23	low	23.01	23.5
				mid	23.14	
				high	23.16	
		15MHz	36@18	low	23.09	23.5
				mid	23.21	
				high	23.38	
			1@1	low	23.01	23.5
				mid	23.20	
				high	23.21	
			1@77	low	23.26	23.5
				mid	23.10	
				high	23.23	
		20MHz	50@25	low	23.19	23.5
				mid	23.13	
				high	23.18	
			1@1	low	23.15	23.5
				mid	23.26	
				high	23.25	
			1@104	low	23.37	23.5
				mid	23.19	
				high	23.17	

NR B40

SCS	Modulation	BandWidth	RBallocation	Range	Output Power(dBm)	Tune up Tolerance (dBm)
15KHZ	DFT-s-OFDM PI/2 BPSK	5MHz	12@6	low	22.17	22.5
				mid	22.24	
				high	22.02	
			1@1	low	22.30	22.5
				mid	22.19	
				high	22.09	
			1@23	low	22.09	22.5
				mid	22.07	
				high	22.23	
		15MHz	36@18	low	22.14	22.5
				mid	22.08	
				high	22.17	
			1@1	low	22.16	22.5

				mid	22.10	
				high	22.24	
			1@77	low	22.06	22.5
				mid	22.20	
				high	22.21	
		20MHz	50@25	low	22.15	22.5
				mid	22.23	
				high	22.10	
			1@1	low	21.99	22.5
				mid	22.22	
				high	22.22	
			1@104	low	22.21	22.5
				mid	22.22	
				high	22.00	
15KHZ	DFT-s-OFDM QPSK	5MHz	12@6	low	22.14	22.5
				mid	22.15	
				high	22.10	
			1@1	low	22.07	22.5
				mid	21.99	
				high	22.27	
			1@23	low	22.20	22.5
				mid	22.25	
				high	22.14	
		15MHz	36@18	low	22.18	22.5
				mid	22.13	
				high	21.99	
			1@1	low	22.12	22.5
				mid	22.08	
				high	22.20	
			1@77	low	22.02	22.5
				mid	22.26	
				high	22.02	
		20MHz	50@25	low	22.19	22.5
				mid	22.18	
				high	22.26	
			1@1	low	22.10	22.5
				mid	22.23	
				high	22.09	
			1@104	low	22.11	22.5
				mid	22.04	
				high	22.01	

NR B48

SCS	Modulation	Bandwidth	RB allocation	Range	Output Power(dBm)	Tune up Tolerance (dBm)
30KHZ	DFT-s-OFDM PI/2 BPSK	50MHz	64@32	low	21.68	22
			64@32	mid	21.66	22

			64@32	high	21.66	22
			1@1	low	21.77	22
			1@1	mid	21.62	22
			1@1	high	21.77	22
			1@131	low	21.67	22
			1@131	mid	21.63	22
			1@131	high	21.63	22
		100MHz	135@67	low	21.66	22
			135@67	mid	21.71	22
			135@67	high	21.80	22
			1@1	low	21.62	22
			1@1	mid	21.70	22
			1@1	high	21.58	22
			1@271	low	21.68	22
			1@271	mid	21.75	22
			1@271	high	21.64	22
	DFT-s-OFDM QPSK	50MHz	64@32	low	21.56	22
			64@32	mid	21.75	22
			64@32	high	21.73	22
			1@1	low	21.61	22
			1@1	mid	21.75	22
			1@1	high	21.57	22
			1@131	low	21.57	22
			1@131	mid	21.75	22
			1@131	high	21.75	22
		100MHz	135@67	low	21.65	22
			135@67	mid	21.60	22
			135@67	high	21.69	22
			1@1	low	21.72	22
			1@1	mid	21.68	22
			1@1	high	21.76	22
			1@271	low	21.71	22
			1@271	mid	21.72	22
			1@271	high	21.68	22

NR B77

SCS	Modulation	Bandwidth	RB allocation	Range	Output Power(dBm)	Tune up Tolerance (dBm)
30KHZ	DFT-s-OFDM PI/2 BPSK	50MHz	64@32	low	21.93	22
			64@32	mid	21.80	22
			64@32	high	21.93	22
			1@1	low	21.96	22
			1@1	mid	21.91	22
			1@1	high	21.92	22
			1@131	low	21.82	22

			1@131	mid	21.81	22
			1@131	high	21.87	22
		100MHz	135@67	low	21.85	22
			135@67	mid	21.95	22
			135@67	high	21.85	22
			1@1	low	21.86	22
			1@1	mid	21.83	22
			1@1	high	21.85	22
			1@271	low	21.82	22
			1@271	mid	21.94	22
			1@271	high	21.79	22
	DFT-s-OFDM QPSK	50MHz	64@32	low	21.94	22
			64@32	mid	21.84	22
			64@32	high	21.93	22
			1@1	low	21.93	22
			1@1	mid	21.79	22
			1@1	high	21.90	22
			1@131	low	22.00	22
			1@131	mid	21.86	22
			1@131	high	21.94	22
		100MHz	135@67	low	21.88	22
			135@67	mid	21.95	22
			135@67	high	21.83	22
			1@1	low	21.94	22
			1@1	mid	21.93	22
			1@1	high	21.96	22
			1@271	low	21.92	22
			1@271	mid	21.91	22
			1@271	high	21.82	22

NR B78

SCS	Modulation	Bandwidth	RB allocation	Range	Output Power(dBm)	Tune up Tolerance (dBm)
30KHZ	DFT-s-OFDM PI/2 BPSK	20MHz	25@12	low	22.36	22.5
			25@12	mid	22.17	22.5
			25@12	high	22.46	22.5
			1@1	low	22.20	22.5
			1@1	mid	22.30	22.5
			1@1	high	22.30	22.5
			1@49	low	22.21	22.5
			1@49	mid	22.24	22.5
			1@49	high	22.20	22.5
		50MHz	64@32	low	22.25	22.5
			64@32	mid	22.38	22.5
			64@32	high	22.41	22.5

			1@1	low	22.50	22.5
			1@1	mid	22.33	22.5
			1@1	high	22.21	22.5
			1@131	low	22.23	22.5
			1@131	mid	22.20	22.5
			1@131	high	22.46	22.5
		100MHz	135@67	low	22.42	22.5
			135@67	mid	22.39	22.5
			135@67	high	22.19	22.5
			1@1	low	22.46	22.5
			1@1	mid	22.24	22.5
			1@1	high	22.30	22.5
			1@271	low	22.23	22.5
			1@271	mid	22.20	22.5
			1@271	high	22.23	22.5
	DFT-s-OFDM QPSK	20MHz	25@12	low	22.34	22.5
			25@12	mid	22.41	22.5
			25@12	high	22.45	22.5
			1@1	low	22.43	22.5
			1@1	mid	22.27	22.5
			1@1	high	22.42	22.5
			1@49	low	22.18	22.5
			1@49	mid	22.32	22.5
			1@49	high	22.46	22.5
		50MHz	64@32	low	22.19	22.5
			64@32	mid	22.34	22.5
			64@32	high	22.41	22.5
			1@1	low	22.33	22.5
			1@1	mid	22.28	22.5
			1@1	high	22.24	22.5
			1@131	low	22.21	22.5
			1@131	mid	22.31	22.5
			1@131	high	22.22	22.5
		100MHz	135@67	low	22.32	22.5
			135@67	mid	22.43	22.5
			135@67	high	22.40	22.5
			1@1	low	22.30	22.5
			1@1	mid	22.42	22.5
			1@1	high	22.37	22.5
			1@271	low	22.35	22.5
			1@271	mid	22.30	22.5
			1@271	high	22.35	22.5

6.2.5 Bluetooth

Note: Exclusion method based on EIRP is not applied for the BT, SRTC perform SAR measurement.

Unlicensed SISO1

BT

Modulation type	Conducted Average Power(dBm)			Tune-up
	2402MHz	2441MHz	2480MHz	
GFSK	8.85	8.82	8.81	9
π/4DQPSK	8.14	8.39	8.44	9
8DPSK	7.81	7.86	7.82	9

BLE

ENV	Mode	TX Type	Frequency (MHz)	ANT	Power (dBm)	Tune up (dBm)
NTNV	1M	SISO	2402	8	6.86	7
			2440	8	5.80	7
			2480	8	5.32	7
HTNV	1M	SISO	2402	8	6.86	7
			2440	8	5.81	7
			2480	8	5.31	7
LTNV	1M	SISO	2402	8	6.87	7
			2440	8	5.80	7
			2480	8	5.32	7

6.2.6 WIFI

Note: Exclusion method based on EIRP is not applied for the WIFI, SRTC perform SAR measurement.

Unlicensed SISO1

Full Power

WLAN2.4GHz

ENV	Mode	TX Type	Frequency (MHz)	ANT	Power (dBm)	Tune up (dBm)
NTNV	802.11b	SISO	2412	8	16.98	18.5
			2442	8	16.98	18.5
			2472	8	16.87	18.5
	802.11g	SISO	2412	8	16.30	17.5
			2442	8	15.76	17.5
			2472	8	15.68	17.5
	802.11n (HT20)	SISO	2412	8	16.45	17.5
			2442	8	16.32	17.5
			2472	8	15.90	17.5
	802.11n (HT40)	SISO	2422	8	14.48	15.5
			2442	8	14.68	15.5
			2462	8	14.11	15.5
HTNV	802.11b	SISO	2412	8	16.91	18.5
			2442	8	16.99	18.5
			2472	8	16.91	18.5
	802.11g	SISO	2412	8	16.24	17.5
			2442	8	15.77	17.5
			2472	8	15.69	17.5
	802.11n (HT20)	SISO	2412	8	16.54	17.5
			2442	8	15.67	17.5
			2472	8	15.97	17.5
	802.11n (HT40)	SISO	2422	8	14.54	15.5
			2442	8	14.62	15.5
			2462	8	14.13	15.5
LTNV	802.11b	SISO	2412	8	16.90	18.5
			2442	8	16.98	18.5
			2472	8	16.89	18.5
	802.11g	SISO	2412	8	16.29	17.5
			2442	8	15.74	17.5
			2472	8	15.67	17.5
	802.11n (HT20)	SISO	2412	8	16.49	17.5
			2442	8	15.71	17.5
			2472	8	15.95	17.5
	802.11n (HT40)	SISO	2422	8	14.49	15.5
			2442	8	14.62	15.5
			2462	8	14.17	15.5

WLAN5GHz

a	Mode	TX Type	Frequency (MHz)	ANT	Power (dBm)	Tune up (dBm)
NTNV	802.11a	SISO	5180	8	15.66	17.0
			5200	8	15.70	17.0
			5240	8	15.85	17.0
			5260	8	16.02	17.0
			5300	8	16.21	17.0
			5320	8	16.51	17.0
	802.11n (HT20)	SISO	5180	8	15.58	17.0
			5200	8	15.52	17.0
			5240	8	15.72	17.0
			5260	8	15.78	17.0
			5300	8	15.76	17.0
			5320	8	16.19	17.0
	802.11n (HT40)	SISO	5190	8	14.60	15.0
			5230	8	14.66	15.0
			5270	8	14.62	15.0
			5310	8	14.76	15.0
	802.11ac (VHT20)	SISO	5180	8	15.49	17.0
			5200	8	15.43	17.0
			5240	8	15.65	17.0
			5260	8	15.75	17.0
			5300	8	15.77	17.0
			5320	8	16.12	17.0
	802.11ac (VHT40)	SISO	5190	8	14.58	15.0
			5230	8	14.66	15.0
			5270	8	14.62	15.0
			5310	8	14.78	15.0
	802.11ac (VHT80)	SISO	5210	8	14.27	15.0
			5290	8	14.33	15.0
HTNV	802.11a	SISO	5180	8	15.73	17.0
			5200	8	15.77	17.0
			5240	8	15.95	17.0
			5260	8	16.02	17.0
			5300	8	16.22	17.0
			5320	8	16.51	17.0
	802.11n (HT20)	SISO	5180	8	15.61	17.0
			5200	8	15.64	17.0
			5240	8	15.85	17.0
			5260	8	15.80	17.0
			5300	8	15.84	17.0
			5320	8	16.22	17.0
	802.11n (HT40)	SISO	5190	8	14.59	15.0
			5230	8	14.70	15.0
			5270	8	14.62	15.0
			5310	8	14.83	15.0
	802.11ac (VHT20)	SISO	5180	8	15.51	17.0
			5200	8	15.49	17.0
			5240	8	15.72	17.0
			5260	8	15.75	17.0
			5300	8	15.88	17.0
			5320	8	16.19	17.0
	802.11ac (VHT40)	SISO	5190	8	14.58	15.0
			5230	8	14.74	15.0
			5270	8	14.62	15.0
			5310	8	14.88	15.0
	802.11ac (VHT80)	SISO	5210	8	14.28	15.0
			5290	8	14.33	15.0
LTNV	802.11a	SISO	5180	8	15.76	17.0
			5200	8	15.77	17.0
			5240	8	15.98	17.0
			5260	8	16.02	17.0
			5300	8	16.24	17.0
			5320	8	16.51	17.0

	802.11n (HT20)	SISO	5180	8	15.61	17.0
			5200	8	15.63	17.0
			5240	8	15.85	17.0
			5260	8	15.79	17.0
			5300	8	15.88	17.0
			5320	8	16.23	17.0
	802.11n (HT40)	SISO	5190	8	14.60	15.0
			5230	8	14.74	15.0
			5270	8	14.63	15.0
			5310	8	14.86	15.0
	802.11ac (VHT20)	SISO	5180	8	15.50	17.0
			5200	8	15.53	17.0
			5240	8	15.74	17.0
			5260	8	15.77	17.0
			5300	8	15.92	17.0
			5320	8	16.22	17.0
	802.11ac (VHT40)	SISO	5190	8	14.59	15.0
			5230	8	14.75	15.0
			5270	8	14.62	15.0
			5310	8	14.91	15.0
	802.11ac (VHT80)	SISO	5210	8	14.28	15.0
			5290	8	14.33	15.0

ENV	Mode	TX Type	Frequency (MHz)	ANT	Power (dBm)	Tune up (dBm)
NTNV	802.11a	SISO	5500	8	16.45	17.0
			5580	8	16.38	17.0
			5700	8	16.85	17.0
	802.11n (HT20)	SISO	5500	8	16.26	17.0
			5580	8	16.22	17.0
			5700	8	16.68	17.0
	802.11n (HT40)	SISO	5510	8	14.52	15.0
			5550	8	14.58	15.0
			5670	8	14.56	15.0
	802.11ac (VHT20)	SISO	5500	8	16.14	17.0
			5580	8	16.00	17.0
			5700	8	16.52	17.0
	802.11ac (VHT40)	SISO	5510	8	14.45	15.0
			5550	8	14.46	15.0
			5670	8	14.54	15.0
	802.11ac (VHT80)	SISO	5530	8	14.10	15.0
			5610	8	13.72	15.0
HTNV	802.11a	SISO	5500	8	16.45	17.0
			5580	8	16.40	17.0
			5700	8	16.87	17.0
	802.11n (HT20)	SISO	5500	8	16.27	17.0
			5580	8	16.24	17.0
			5700	8	16.69	17.0
	802.11n (HT40)	SISO	5510	8	14.52	15.0
			5550	8	14.62	15.0
			5670	8	14.56	15.0
	802.11ac (VHT20)	SISO	5500	8	16.15	17.0
			5580	8	16.04	17.0
			5700	8	16.60	17.0
	802.11ac (VHT40)	SISO	5510	8	14.45	15.0
			5550	8	14.48	15.0
			5670	8	14.59	15.0
	802.11ac (VHT80)	SISO	5530	8	14.10	15.0
			5610	8	13.74	15.0
LTNV	802.11a	SISO	5500	8	16.44	17.0
			5580	8	16.41	17.0
			5700	8	16.92	17.0
	802.11n (HT20)	SISO	5500	8	16.27	17.0
			5580	8	16.24	17.0
			5700	8	16.73	17.0
	802.11n (HT40)	SISO	5510	8	14.51	15.0
			5550	8	14.63	15.0

			5670	8	14.56	15.0
	802.11ac (VHT20)	SISO	5500	8	16.16	17.0
			5580	8	16.06	17.0
			5700	8	16.65	17.0
	802.11ac (VHT40)	SISO	5510	8	14.46	15.0
			5550	8	14.49	15.0
			5670	8	14.61	15.0
	802.11ac (VHT80)	SISO	5530	8	14.10	15.0
			5610	8	13.76	15.0

ENV	Mode	TX Type	Frequency (MHz)	ANT	Power (dBm)	Tune up (dBm)
NTNV	802.11a	SISO	5745	8	13.98	14.0
			5785	8	13.61	14.0
			5825	8	13.58	14.0
	802.11n (HT20)	SISO	5745	8	13.85	14.0
			5785	8	13.52	14.0
			5825	8	13.42	14.0
	802.11n (HT40)	SISO	5755	8	13.62	14.0
			5795	8	13.72	14.0
	802.11ac (VHT20)	SISO	5745	8	13.95	14.0
			5785	8	13.56	14.0
			5825	8	13.43	14.0
	802.11ac (VHT40)	SISO	5755	8	13.60	14.0
			5795	8	13.69	14.0
	802.11ac (VHT80)	SISO	5775	8	13.00	14.0
HTNV	802.11a	SISO	5745	8	13.97	14.0
			5785	8	13.65	14.0
			5825	8	13.62	14.0
	802.11n (HT20)	SISO	5745	8	13.86	14.0
			5785	8	13.51	14.0
			5825	8	13.48	14.0
	802.11n (HT40)	SISO	5755	8	13.62	14.0
			5795	8	13.77	14.0
	802.11ac (VHT20)	SISO	5745	8	13.92	14.0
			5785	8	13.57	14.0
			5825	8	13.42	14.0
	802.11ac (VHT40)	SISO	5755	8	13.60	14.0
			5795	8	13.77	14.0
	802.11ac (VHT80)	SISO	5775	8	13.03	14.0
LTNV	802.11a	SISO	5745	8	13.99	14.0
			5785	8	13.67	14.0
			5825	8	13.68	14.0
	802.11n (HT20)	SISO	5745	8	13.88	14.0
			5785	8	13.56	14.0
			5825	8	13.50	14.0
	802.11n (HT40)	SISO	5755	8	13.62	14.0
			5795	8	13.79	14.0
	802.11ac (VHT20)	SISO	5745	8	13.93	14.0
			5785	8	13.59	14.0
			5825	8	13.44	14.0
	802.11ac (VHT40)	SISO	5755	8	13.61	14.0
			5795	8	13.78	14.0
	802.11ac (VHT80)	SISO	5775	8	13.04	14.0

7 SAR RESULTS

7.1 T-issue and system Check

The manufacturer calibrates the probes annually. Dielectric parameters of the tissue stimulants were measured every day using the dielectric probe kit and the network analyser. For the measurement of the following parameters the SPEAG DAKS-3.5 dielectric parameter probe is used, representing the open-ended coaxial probe measurement procedure. All tests were carried out within 24 hours of measuring the dielectric parameters.

Freq.(MHz)	Date	Liquid parameters	Measured	Target	Delta (%)	Tolerance (%)	Verdit
750	2024/8/5	εr	41.94	41.90	0.09	±10	Pass
	2024/8/5	σ[S/m]	0.87	0.89	2.25	±10	Pass
835	2024/8/5	εr	42.64	41.50	2.75	±10	Pass
	2024/8/5	σ[S/m]	0.90	0.90	0.00	±10	Pass
900	2024/8/5	εr	43.02	41.50	3.66	±10	Pass
	2024/8/5	σ[S/m]	0.99	0.97	2.06	±10	Pass
1800	2024/8/5	εr	39.08	40.00	-1.72	±10	Pass
	2024/8/5	σ[S/m]	1.42	1.40	-0.29	±10	Pass
2000	2024/8/5	εr	40.14	40.00	-2.30	±10	Pass
	2024/8/5	σ[S/m]	1.47	1.40	5.00	±10	Pass
2450	2024/8/5	εr	40.7	39.20	3.82	±10	Pass
	2024/8/5	σ[S/m]	1.89	1.80	5.00	±10	Pass
2600	2024/8/5	εr	38.12	39.00	-2.25	±10	Pass
	2024/8/5	σ[S/m]	1.95	1.96	-0.50	±10	Pass
5200	2024/8/5	εr	37.36	36.00	3.78	±5	Pass
	2024/8/5	σ[S/m]	4.56	4.66	-2.14	±5	Pass
5300	2024/8/5	εr	37.64	35.9	4.84	±5	Pass
	2024/8/5	σ[S/m]	4.77	4.76	0.16	±5	Pass
5600	2024/8/5	εr	33.92	35.5	-4.45	±5	Pass
	2024/8/5	σ[S/m]	5.30	5.07	4.55	±5	Pass
5800	2024/8/5	εr	35.35	35.30	0.14	±5	Pass
	2024/8/5	σ[S/m]	5.24	5.27	-0.12	±5	Pass

A system check measurement was made following the determination of the dielectric parameters of the stimulant, using the dipole validation kit. Dipole was placed under the flat section of the twin SAM phantom. The system checking results (dielectric parameters and SAR values) are given in the table below. All tests were carried out within 24 hours of checking system. Plots of the system checking scans are given in Annex. Tissue Stimulants used in the Measurements. **For the same frequency range, SAR measurement is the same day with system check, and there is no need to manually add test date in ANNEX.**

Freq.(MHz)	Date	SAR measured (normalized to 1W)		Target (Ref. Value)	Delta(%)	Tolerance(%)	Verdict
750	2024/8/5	1g	8.08	8.40	-3.81	±10	Pass
	2024/8/5	10g	5.32	5.70	-6.67	±10	Pass
835	2024/8/5	1g	9.92	9.38	5.75	±10	Pass
	2024/8/5	10g	6.48	6.25	3.68	±10	Pass
900	2024/8/5	1g	11.44	10.90	4.95	±10	Pass
	2024/8/5	10g	7.44	7.00	6.28	±10	Pass
1800	2024/8/5	1g	38.96	38.90	0.15	±10	Pass
	2024/8/5	10g	19.48	20.30	-4.04	±10	Pass
2000	2024/8/5	1g	38.92	41.00	-5.07	±10	Pass
	2024/8/5	10g	19.80	20.50	-3.41	±10	Pass
2450	2024/8/5	1g	51.60	53.00	-2.64	±10	Pass
	2024/8/5	10g	24.28	24.50	-0.89	±10	Pass
2600	2024/8/5	1g	55.20	56.50	-2.30	±10	Pass
	2024/8/5	10g	24.84	25.40	-2.20	±10	Pass
5200	2024/8/5	1g	73.70	75.90	-2.89	±10	Pass
	2024/8/5	10g	21.60	21.40	0.93	±10	Pass
5300	2024/8/5	1g	77.10	78.00	-1.15	±10	Pass
	2024/8/5	10g	22.40	22.00	1.82	±10	Pass
5600	2024/8/5	1g	73.70	80.00	-7.88	±10	Pass
	2024/8/5	10g	21.90	22.60	-3.10	±10	Pass
5800	2024/8/5	1g	79.60	78.50	1.40	±10	Pass
	2024/8/5	10g	21.40	21.90	-2.28	±10	Pass

7.2 SAR Test result

In order to determine the largest value of the peak spatial-average SAR of a handset, all device positions, configurations, and operational modes should be tested for each frequency band according to Steps 1 to 3 below.

Step 1: The tests should be performed at the channel that is closest to the centre of the transmit frequency band.

a) All device positions (cheek and tilt, for both left and right sides of the SAM phantom),

b) All configurations for each device position in a), e.g., antenna extended and retracted, and

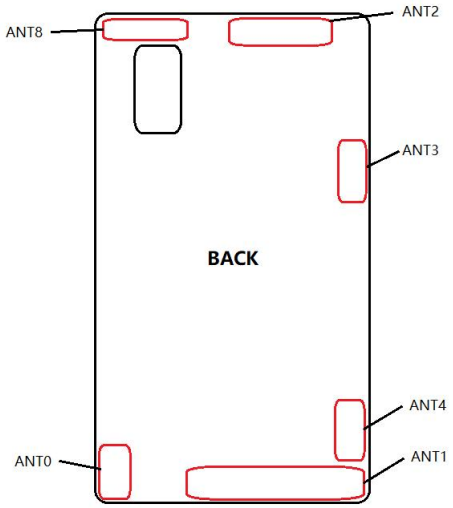
c) All operational modes for each device position in item a) and configuration in item b) in each frequency band, e.g., analogy and digital, If more than three frequencies need to be tested (i.e., Nc > 3), then all frequencies, configurations and modes shall be tested for all of the above test conditions.

Step 2: For the condition providing the highest peak spatial-average SAR determined in Step 1 for each frequency, perform all tests at all other test frequency channels, e.g., lowest and highest frequencies. In addition, for all other conditions (device position, configuration, and operational mode) where the peak spatial-average SAR value determined in Step 1 is within 3 dB of the applicable SAR limit, it is recommended that all other test frequencies should be tested as well.

Step 3: Examine all data to determine the largest value of the peak.

Test and antenna position describe as follow:

Note: SRTC defined these positions (Back, Front, Left, Right, Top, Bottom) when facing the DUT screen.



Licensed SISO1

License antenna	Position	Distances to edge (mm)	Test or not	Note
Ant0	Back	0.0	YES	ANT for LTE Band B7/38 NR Band N1/3/7/38
	Front	10.0	YES	
	Top	143.0	NO	
	Bottom	0.0	YES	
	Left	0.0	YES	
	Right	65.0	NO	
Ant1	Back	0.0	YES	ANT for GSM900 WCDMA Band VIII LTE Band 8/20/28/68 NR Band 8/20/28
	Front	10.0	YES	
	Top	151	NO	
	Bottom	0.0	YES	
	Left	0.0	YES	
	Right	27.0	NO	
Ant2	Back	0.0	YES	ANT for GSM1800 WCDMA Band I LTE Band 1/3/40/42/43 NR Band 40/48/77/78
	Front	10.0	YES	
	Top	0.0	YES	
	Bottom	151.0	NO	
	Left	10.0	YES	
	Right	35.0	NO	

Licensed SISO2

License antenna	Position	Distances to edge (mm)	Test or not	Note
Ant0	Back	0.0	YES	ANT for GSM1800 WCDMA Band I LTE Band B1/3/40 NR Band N40
	Front	10.0	YES	
	Top	143.0	NO	
	Bottom	0.0	YES	
	Left	0.0	YES	
	Right	65.0	NO	
Ant2	Back	0.0	YES	ANT for LTE Band 7/38 NR Band 1/3/7/38
	Front	10.0	YES	
	Top	0.0	YES	
	Bottom	151.0	NO	
	Left	10.0	YES	
	Right	35.0	NO	
Ant3	Back	0.0	YES	ANT for GSM900 WCDMA Band VIII LTE Band 8/20/28/68
	Front	10.0	YES	

	Top	35.0	NO	NR Band 8/20/28
	Bottom	110.0	NO	
	Left	0.0	YES	
	Right	68.0	NO	
Ant4	Back	0.0	YES	ANT for LTE Band B42/43 NR Band 48/77/78
	Front	10.0	YES	
	Top	133.0	NO	
	Bottom	10.0	YES	
	Left	0.0	YES	
	Right	68.0	NO	

Unlicensed SISO1

Unlicense antenna	Position	Distances to edge (mm)	Test or not	Note
Ant8	Back	0.0	YES	ANT for BT/BLE WIFI2.4GHz WIFI5GHz
	Front	10.0	YES	
	Top	0.0	YES	
	Bottom	152.0	NO	
	Left	50.0	NO	
	Right	0.0	YES	

Note: L<1GHz; 1GHz<M<2GHz; H>2GHz

The measured and reported SAR values are tabulated below:

Non-signaling mode duty cycle could be the most conservative condition which with 100% duty cycle. So duty factor=1/ duty cycle shall be taken into consideration for SAR measurement with Non-signaling mode.

7.2.1 Licensed SISO1

Test case				Meas power(dBm)	Tune-up(dBm)	Scaling factor	Meas SAR(w/kg)		Report SAR(w/kg)	
GSM900	Exposure condition	Position	Channel				First	Second	First	Second
GPRS/EDGE GMSK	Head	Left Cheek	L	31.18	32.50	1.36	---	---	---	---
			M	32.16	32.50	1.08	0.306	---	0.330	---
			H	32.14	32.50	1.09	---	---	---	---
		Left tilt	L	31.18	32.50	1.36	---	---	---	---
			M	32.16	32.50	1.08	0.067	---	0.072	---
			H	32.14	32.50	1.09	---	---	---	---
		Right Cheek	L	31.18	32.50	1.36	---	---	---	---
			M	32.16	32.50	1.08	0.170	---	0.184	---
			H	32.14	32.50	1.09	---	---	---	---
		Right tilt	L	31.18	32.50	1.36	---	---	---	---
			M	32.16	32.50	1.08	0.087	---	0.094	---
			H	32.14	32.50	1.09	---	---	---	---
	Body-worn	Back	L	31.18	32.50	1.36	---	---	---	---
			M	32.16	32.50	1.08	0.325	---	0.351	---
			H	32.14	32.50	1.09	---	---	---	---
		Front	L	31.18	32.50	1.36	---	---	---	---
			M	32.16	32.50	1.08	0.377	---	0.407	---
			H	32.14	32.50	1.09	---	---	---	---
	Body	Back	L	31.18	32.50	1.36	---	---	---	---
			M	32.16	32.50	1.08	0.325	---	0.351	---
			H	32.14	32.50	1.09	---	---	---	---
		Front	L	31.18	32.50	1.36	---	---	---	---
			M	32.16	32.50	1.08	0.377	---	0.407	---
			H	32.14	32.50	1.09	---	---	---	---
		Top	L	31.18	32.50	1.36	---	---	---	---
			M	32.16	32.50	1.08	0.010	---	0.011	---
			H	32.14	32.50	1.09	---	---	---	---
		Bottom	L	31.18	32.50	1.36	---	---	---	---
			M	32.16	32.50	1.08	0.212	---	0.229	---
			H	32.14	32.50	1.09	---	---	---	---
		Left	L	31.18	32.50	1.36	---	---	---	---
			M	32.16	32.50	1.08	0.057	---	0.062	---
			H	32.14	32.50	1.09	---	---	---	---
		Right	L	31.18	32.50	1.36	---	---	---	---
			M	32.16	32.50	1.08	0.110	---	0.119	---
			H	32.14	32.50	1.09	---	---	---	---
	Limb	Back	L	31.18	32.50	1.36	---	---	---	---
			M	32.16	32.50	1.08	0.533	---	0.576	---
			H	32.14	32.50	1.09	---	---	---	---
		Front	L	31.18	32.50	1.36	---	---	---	---
			M	32.16	32.50	1.08	0.622	---	0.672	---
			H	32.14	32.50	1.09	---	---	---	---
		Top	L	31.18	32.50	1.36	---	---	---	---
			M	32.16	32.50	1.08	0.025	---	0.027	---

			H	32.14	32.50	1.09	---	---	---	---
		Bottom	L	31.18	32.50	1.36	---	---	---	---
			M	32.16	32.50	1.08	0.448	---	0.484	---
			H	32.14	32.50	1.09	---	---	---	---
		Left	L	31.18	32.50	1.36	---	---	---	---
			M	32.16	32.50	1.08	0.127	---	0.137	---
			H	32.14	32.50	1.09	---	---	---	---
		Right	L	31.18	32.50	1.36	---	---	---	---
			M	32.16	32.50	1.08	0.190	---	0.205	---
			H	32.14	32.50	1.09	---	---	---	---

Test case				Meas power(dBm)	Tune-up(dBm)	Scaling factor	Meas SAR(w/kg)		Report SAR(w/kg)	
GSM1800	Exposure condition	Position	Channel				First	Second	First	Second
GPRS/EDGE GMSK	Head	Left Cheek	L	29.00	29.50	1.12	---	---	---	---
			M	29.18	29.50	1.08	0.347	---	0.375	---
			H	29.39	29.50	1.03	---	---	---	---
		Left tilt	L	29.00	29.50	1.12	---	---	---	---
			M	29.18	29.50	1.08	0.356	---	0.384	---
			H	29.39	29.50	1.03	---	---	---	---
		Right Cheek	L	29.00	29.50	1.12	---	---	---	---
			M	29.18	29.50	1.08	0.461	---	0.498	---
			H	29.39	29.50	1.03	---	---	---	---
		Right tilt	L	29.00	29.50	1.12	---	---	---	---
			M	29.18	29.50	1.08	0.436	---	0.471	---
			H	29.39	29.50	1.03	---	---	---	---
	Body-worn	Back	L	29.00	29.50	1.12	---	---	---	---
			M	29.18	29.50	1.08	0.185	---	0.200	---
			H	29.39	29.50	1.03	---	---	---	---
		Front	L	29.00	29.50	1.12	---	---	---	---
			M	29.18	29.50	1.08	0.321	---	0.347	---
			H	29.39	29.50	1.03	---	---	---	---
	Body	Back	L	29.00	29.50	1.12	---	---	---	---
			M	29.18	29.50	1.08	0.185	---	0.200	---
			H	29.39	29.50	1.03	---	---	---	---
		Front	L	29.00	29.50	1.12	---	---	---	---
			M	29.18	29.50	1.08	0.321	---	0.347	---
			H	29.39	29.50	1.03	---	---	---	---
		Top	L	29.00	29.50	1.12	---	---	---	---
			M	29.18	29.50	1.08	0.335	---	0.362	---
			H	29.39	29.50	1.03	---	---	---	---
		Bottom	L	29.00	29.50	1.12	---	---	---	---
			M	29.18	29.50	1.08	0.010	---	0.011	---
			H	29.39	29.50	1.03	---	---	---	---
		Left	L	29.00	29.50	1.12	---	---	---	---
			M	29.18	29.50	1.08	0.073	---	0.079	---
			H	29.39	29.50	1.03	---	---	---	---
		Right	L	29.00	29.50	1.12	---	---	---	---
			M	29.18	29.50	1.08	0.010	---	0.011	---
			H	29.39	29.50	1.03	---	---	---	---
	Limb	Back	L	29.00	29.50	1.12	---	---	---	---
			M	29.18	29.50	1.08	0.355	---	0.383	---
			H	29.39	29.50	1.03	---	---	---	---
		Front	L	29.00	29.50	1.12	---	---	---	---
			M	29.18	29.50	1.08	0.684	---	0.739	---
			H	29.39	29.50	1.03	---	---	---	---
		Top	L	29.00	29.50	1.12	---	---	---	---
			M	29.18	29.50	1.08	0.710	---	0.767	---

			H	29.39	29.50	1.03	---	---	---	---
		Bottom	L	29.00	29.50	1.12	---	---	---	---
			M	29.18	29.50	1.08	0.010	---	0.011	---
			H	29.39	29.50	1.03	---	---	---	---
		Left	L	29.00	29.50	1.12	---	---	---	---
			M	29.18	29.50	1.08	0.187	---	0.202	---
			H	29.39	29.50	1.03	---	---	---	---
		Right	L	29.00	29.50	1.12	---	---	---	---
			M	29.18	29.50	1.08	0.051	---	0.055	---
			H	29.39	29.50	1.03	---	---	---	---

Test case				Meas power(dBm)	Tune-up(dBm)	Scaling factor	Meas SAR(w/kg)		Report SAR(w/kg)	
WCDMA I	Exposure condition	Position	Channel				First	Second	First	Second
RMC	Head	Left Cheek	L	19.12	19.50	1.09	---	---	---	---
			M	19.14	19.50	1.09	0.281	---	0.306	---
			H	19.16	19.50	1.08	---	---	---	---
		Left tilt	L	19.12	19.50	1.09	---	---	---	---
			M	19.14	19.50	1.09	0.311	---	0.339	---
			H	19.16	19.50	1.08	---	---	---	---
		Right Cheek	L	19.12	19.50	1.09	---	---	---	---
			M	19.14	19.50	1.09	0.490	---	0.534	---
			H	19.16	19.50	1.08	---	---	---	---
		Right tilt	L	19.12	19.50	1.09	---	---	---	---
			M	19.14	19.50	1.09	0.453	---	0.494	---
			H	19.16	19.50	1.08	---	---	---	---
	Body-worn	Back	L	19.12	19.50	1.09	---	---	---	---
			M	19.14	19.50	1.09	0.161	---	0.175	---
			H	19.16	19.50	1.08	---	---	---	---
		Front	L	19.12	19.50	1.09	---	---	---	---
			M	19.14	19.50	1.09	0.269	---	0.293	---
			H	19.16	19.50	1.08	---	---	---	---
	Hotspot	Back	L	19.12	19.50	1.09	---	---	---	---
			M	19.14	19.50	1.09	0.161	---	0.175	---
			H	19.16	19.50	1.08	---	---	---	---
		Front	L	19.12	19.50	1.09	---	---	---	---
			M	19.14	19.50	1.09	0.269	---	0.293	---
			H	19.16	19.50	1.08	---	---	---	---
		Top	L	19.12	19.50	1.09	---	---	---	---
			M	19.14	19.50	1.09	0.351	---	0.383	---
			H	19.16	19.50	1.08	---	---	---	---
		Bottom	L	19.12	19.50	1.09	---	---	---	---
			M	19.14	19.50	1.09	0.010	---	0.011	---
			H	19.16	19.50	1.08	---	---	---	---
		Left	L	19.12	19.50	1.09	---	---	---	---
			M	19.14	19.50	1.09	0.095	---	0.104	---
			H	19.16	19.50	1.08	---	---	---	---
		Right	L	19.12	19.50	1.09	---	---	---	---
			M	19.14	19.50	1.09	0.010	---	0.011	---
			H	19.16	19.50	1.08	---	---	---	---
	Limb	Back	L	19.12	19.50	1.09	---	---	---	---
			M	19.14	19.50	1.09	0.335	---	0.365	---
			H	19.16	19.50	1.08	---	---	---	---
		Front	L	19.12	19.50	1.09	---	---	---	---
			M	19.14	19.50	1.09	0.820	---	0.894	---
			H	19.16	19.50	1.08	---	---	---	---
		Top	L	19.12	19.50	1.09	---	---	---	---
			M	19.14	19.50	1.09	1.050	---	1.145	---

			H	19.16	19.50	1.08	---	---	---	---
		Bottom	L	19.12	19.50	1.09	---	---	---	---
			M	19.14	19.50	1.09	0.010	---	0.011	---
			H	19.16	19.50	1.08	---	---	---	---
		Left	L	19.12	19.50	1.09	---	---	---	---
			M	19.14	19.50	1.09	0.225	---	0.245	---
			H	19.16	19.50	1.08	---	---	---	---
		Right	L	19.12	19.50	1.09	---	---	---	---
			M	19.14	19.50	1.09	0.030	---	0.033	---
			H	19.16	19.50	1.08	---	---	---	---

Test case				Meas power(dBm)	Tune-up(dBm)	Scaling factor	Meas SAR(w/kg)		Report SAR(w/kg)	
WCDMA VIII	Exposure condition	Position	Channel				First	Second	First	Second
RMC	Head	Left Cheek	L	22.62	23.00	1.09	---	---	---	---
			M	22.62	23.00	1.09	0.514	---	0.560	---
			H	22.63	23.00	1.09	---	---	---	---
		Left tilt	L	22.62	23.00	1.09	---	---	---	---
			M	22.62	23.00	1.09	0.128	---	0.140	---
			H	22.63	23.00	1.09	---	---	---	---
		Right Cheek	L	22.62	23.00	1.09	---	---	---	---
			M	22.62	23.00	1.09	0.282	---	0.307	---
			H	22.63	23.00	1.09	---	---	---	---
		Right tilt	L	22.62	23.00	1.09	---	---	---	---
			M	22.62	23.00	1.09	0.164	---	0.179	---
			H	22.63	23.00	1.09	---	---	---	---
	Body-worn	Back	L	22.62	23.00	1.09	---	---	---	---
			M	22.62	23.00	1.09	0.498	---	0.543	---
			H	22.63	23.00	1.09	---	---	---	---
		Front	L	22.62	23.00	1.09	---	---	---	---
			M	22.62	23.00	1.09	0.548	---	0.597	---
			H	22.63	23.00	1.09	---	---	---	---
	Hotspot	Back	L	22.62	23.00	1.09	---	---	---	---
			M	22.62	23.00	1.09	0.498	---	0.543	---
			H	22.63	23.00	1.09	---	---	---	---
		Front	L	22.62	23.00	1.09	---	---	---	---
			M	22.62	23.00	1.09	0.548	---	0.597	---
			H	22.63	23.00	1.09	---	---	---	---
		Top	L	22.62	23.00	1.09	---	---	---	---
			M	22.62	23.00	1.09	0.010	---	0.011	---
			H	22.63	23.00	1.09	---	---	---	---
		Bottom	L	22.62	23.00	1.09	---	---	---	---
			M	22.62	23.00	1.09	0.256	---	0.279	---
			H	22.63	23.00	1.09	---	---	---	---
		Left	L	22.62	23.00	1.09	---	---	---	---
			M	22.62	23.00	1.09	0.107	---	0.117	---
			H	22.63	23.00	1.09	---	---	---	---
		Right	L	22.62	23.00	1.09	---	---	---	---
			M	22.62	23.00	1.09	0.171	---	0.186	---
			H	22.63	23.00	1.09	---	---	---	---
	Limb	Back	L	22.62	23.00	1.09	---	---	---	---
			M	22.62	23.00	1.09	0.686	---	0.748	---
			H	22.63	23.00	1.09	---	---	---	---
		Front	L	22.62	23.00	1.09	---	---	---	---
			M	22.62	23.00	1.09	0.701	---	0.764	---
			H	22.63	23.00	1.09	---	---	---	---
		Top	L	22.62	23.00	1.09	---	---	---	---
			M	22.62	23.00	1.09	0.051	---	0.056	---

			H	22.63	23.00	1.09	---	---	---	---
		Bottom	L	22.62	23.00	1.09	---	---	---	---
			M	22.62	23.00	1.09	0.524	---	0.571	---
			H	22.63	23.00	1.09	---	---	---	---
		Left	L	22.62	23.00	1.09	---	---	---	---
			M	22.62	23.00	1.09	0.224	---	0.244	---
			H	22.63	23.00	1.09	---	---	---	---
		Right	L	22.62	23.00	1.09	---	---	---	---
			M	22.62	23.00	1.09	0.244	---	0.266	---
			H	22.63	23.00	1.09	---	---	---	---

Test case				Meas power(dBm)	Tune-up(dBm)	Scaling factor	Meas SAR(w/kg)		Report SAR(w/kg)	
LTE1	Exposure condition	Position	Channel				First	Second	First	Second
QPSK	Head	Left Cheek	L	19.52	20.00	1.12	---	---	---	---
			M	19.32	20.00	1.17	0.268	---	0.314	---
			H	19.51	20.00	1.12	---	---	---	---
		Left tilt	L	19.52	20.00	1.12	---	---	---	---
			M	19.32	20.00	1.17	0.288	---	0.337	---
			H	19.51	20.00	1.12	---	---	---	---
		Right Cheek	L	19.52	20.00	1.12	---	---	---	---
			M	19.32	20.00	1.17	0.494	---	0.578	---
			H	19.51	20.00	1.12	---	---	---	---
		Right tilt	L	19.52	20.00	1.12	---	---	---	---
			M	19.32	20.00	1.17	0.476	---	0.557	---
			H	19.51	20.00	1.12	---	---	---	---
	Body-worn	Back	L	19.52	20.00	1.12	---	---	---	---
			M	19.32	20.00	1.17	0.168	---	0.197	---
			H	19.51	20.00	1.12	---	---	---	---
		Front	L	19.52	20.00	1.12	---	---	---	---
			M	19.32	20.00	1.17	0.316	---	0.370	---
			H	19.51	20.00	1.12	---	---	---	---
	Hotspot	Back	L	19.52	20.00	1.12	---	---	---	---
			M	19.32	20.00	1.17	0.168	---	0.197	---
			H	19.51	20.00	1.12	---	---	---	---
		Front	L	19.52	20.00	1.12	---	---	---	---
			M	19.32	20.00	1.17	0.316	---	0.370	---
			H	19.51	20.00	1.12	---	---	---	---
		Top	L	19.52	20.00	1.12	---	---	---	---
			M	19.32	20.00	1.17	0.358	---	0.419	---
			H	19.51	20.00	1.12	---	---	---	---
		Bottom	L	19.52	20.00	1.12	---	---	---	---
			M	19.32	20.00	1.17	0.010	---	0.012	---
			H	19.51	20.00	1.12	---	---	---	---
		Left	L	19.52	20.00	1.12	---	---	---	---
			M	19.32	20.00	1.17	0.103	---	0.121	---
			H	19.51	20.00	1.12	---	---	---	---
		Right	L	19.52	20.00	1.12	---	---	---	---
			M	19.32	20.00	1.17	0.010	---	0.012	---
			H	19.51	20.00	1.12	---	---	---	---
	Limb	Back	L	19.52	20.00	1.12	---	---	---	---
			M	19.32	20.00	1.17	0.383	---	0.448	---
			H	19.51	20.00	1.12	---	---	---	---
		Front	L	19.52	20.00	1.12	---	---	---	---
			M	19.32	20.00	1.17	0.874	---	1.023	---
			H	19.51	20.00	1.12	---	---	---	---
		Top	L	19.52	20.00	1.12	---	---	---	---
			M	19.32	20.00	1.17	1.170	---	1.369	---

			H	19.51	20.00	1.12	---	---	---	---
		Bottom	L	19.52	20.00	1.12	---	---	---	---
			M	19.32	20.00	1.17	0.010	---	0.012	---
			H	19.51	20.00	1.12	---	---	---	---
		Left	L	19.52	20.00	1.12	---	---	---	---
			M	19.32	20.00	1.17	0.246	---	0.288	---
			H	19.51	20.00	1.12	---	---	---	---
		Right	L	19.52	20.00	1.12	---	---	---	---
			M	19.32	20.00	1.17	0.030	---	0.035	---
			H	19.51	20.00	1.12	---	---	---	---

Test case				Meas power(dBm)	Tune-up(dBm)	Scaling factor	Meas SAR(w/kg)		Report SAR(w/kg)	
LTE3	Exposure condition	Position	Channel				First	Second	First	Second
QPSK	Head	Left Cheek	L	19.73	20.00	1.06	---	---	---	---
			M	19.75	20.00	1.06	0.431	---	0.457	---
			H	19.87	20.00	1.03	---	---	---	---
		Left tilt	L	19.73	20.00	1.06	---	---	---	---
			M	19.75	20.00	1.06	0.377	---	0.400	---
			H	19.87	20.00	1.03	---	---	---	---
		Right Cheek	L	19.73	20.00	1.06	---	---	---	---
			M	19.75	20.00	1.06	0.558	---	0.591	---
			H	19.87	20.00	1.03	---	---	---	---
		Right tilt	L	19.73	20.00	1.06	---	---	---	---
			M	19.75	20.00	1.06	0.511	---	0.542	---
			H	19.87	20.00	1.03	---	---	---	---
	Body-worn	Back	L	19.73	20.00	1.06	---	---	---	---
			M	19.75	20.00	1.06	0.221	---	0.234	---
			H	19.87	20.00	1.03	---	---	---	---
		Front	L	19.73	20.00	1.06	---	---	---	---
			M	19.75	20.00	1.06	0.382	---	0.405	---
			H	19.87	20.00	1.03	---	---	---	---
	Hotspot	Back	L	19.73	20.00	1.06	---	---	---	---
			M	19.75	20.00	1.06	0.221	---	0.234	---
			H	19.87	20.00	1.03	---	---	---	---
		Front	L	19.73	20.00	1.06	---	---	---	---
			M	19.75	20.00	1.06	0.382	---	0.405	---
			H	19.87	20.00	1.03	---	---	---	---
		Top	L	19.73	20.00	1.06	---	---	---	---
			M	19.75	20.00	1.06	0.316	---	0.335	---
			H	19.87	20.00	1.03	---	---	---	---
		Bottom	L	19.73	20.00	1.06	---	---	---	---
			M	19.75	20.00	1.06	0.010	---	0.011	---
			H	19.87	20.00	1.03	---	---	---	---
		Left	L	19.73	20.00	1.06	---	---	---	---
			M	19.75	20.00	1.06	0.138	---	0.146	---
			H	19.87	20.00	1.03	---	---	---	---
		Right	L	19.73	20.00	1.06	---	---	---	---
			M	19.75	20.00	1.06	0.053	---	0.056	---
			H	19.87	20.00	1.03	---	---	---	---
	Limb	Back	L	19.73	20.00	1.06	---	---	---	---
			M	19.75	20.00	1.06	0.409	---	0.434	---
			H	19.87	20.00	1.03	---	---	---	---
		Front	L	19.73	20.00	1.06	---	---	---	---
			M	19.75	20.00	1.06	0.891	---	0.944	---
			H	19.87	20.00	1.03	---	---	---	---
		Top	L	19.73	20.00	1.06	---	---	---	---
			M	19.75	20.00	1.06	0.628	---	0.666	---

			H	19.87	20.00	1.03	---	---	---	---
		Bottom	L	19.73	20.00	1.06	---	---	---	---
			M	19.75	20.00	1.06	0.010	---	0.011	---
			H	19.87	20.00	1.03	---	---	---	---
		Left	L	19.73	20.00	1.06	---	---	---	---
			M	19.75	20.00	1.06	0.228	---	0.242	---
			H	19.87	20.00	1.03	---	---	---	---
		Right	L	19.73	20.00	1.06	---	---	---	---
			M	19.75	20.00	1.06	0.099	---	0.105	---
			H	19.87	20.00	1.03	---	---	---	---

Test case				Meas power(dBm)	Tune-up(dBm)	Scaling factor	Meas SAR(w/kg)		Report SAR(w/kg)	
LTE7	Exposure condition	Position	Channel				First	Second	First	Second
QPSK	Head	Left Cheek	L	22.58	23.00	1.10	---	---	---	---
			M	22.33	23.00	1.17	0.096	---	0.112	---
			H	22.23	23.00	1.19	---	---	---	---
		Left tilt	L	22.58	23.00	1.10	---	---	---	---
			M	22.33	23.00	1.17	0.047	---	0.055	---
			H	22.23	23.00	1.19	---	---	---	---
		Right Cheek	L	22.58	23.00	1.10	---	---	---	---
			M	22.33	23.00	1.17	0.110	---	0.129	---
			H	22.23	23.00	1.19	---	---	---	---
		Right tilt	L	22.58	23.00	1.10	---	---	---	---
			M	22.33	23.00	1.17	0.033	---	0.039	---
			H	22.23	23.00	1.19	---	---	---	---
	Body-worn	Back	L	22.58	23.00	1.10	---	---	---	---
			M	22.33	23.00	1.17	0.258	---	0.302	---
			H	22.23	23.00	1.19	---	---	---	---
		Front	L	22.58	23.00	1.10	---	---	---	---
			M	22.33	23.00	1.17	0.322	---	0.377	---
			H	22.23	23.00	1.19	---	---	---	---
	Hotspot	Back	L	22.58	23.00	1.10	---	---	---	---
			M	22.33	23.00	1.17	0.258	---	0.302	---
			H	22.23	23.00	1.19	---	---	---	---
		Front	L	22.58	23.00	1.10	---	---	---	---
			M	22.33	23.00	1.17	0.322	---	0.377	---
			H	22.23	23.00	1.19	---	---	---	---
		Top	L	22.58	23.00	1.10	---	---	---	---
			M	22.33	23.00	1.17	0.025	---	0.029	---
			H	22.23	23.00	1.19	---	---	---	---
		Bottom	L	22.58	23.00	1.10	---	---	---	---
			M	22.33	23.00	1.17	0.056	---	0.066	---
			H	22.23	23.00	1.19	---	---	---	---
		Left	L	22.58	23.00	1.10	---	---	---	---
			M	22.33	23.00	1.17	0.025	---	0.029	---
			H	22.23	23.00	1.19	---	---	---	---
		Right	L	22.58	23.00	1.10	---	---	---	---
			M	22.33	23.00	1.17	0.385	---	0.450	---
			H	22.23	23.00	1.19	---	---	---	---
	Limb	Back	L	22.58	23.00	1.10	---	---	---	---
			M	22.33	23.00	1.17	0.558	---	0.653	---
			H	22.23	23.00	1.19	---	---	---	---
		Front	L	22.58	23.00	1.10	---	---	---	---
			M	22.33	23.00	1.17	0.952	---	1.114	---
			H	22.23	23.00	1.19	---	---	---	---
		Top	L	22.58	23.00	1.10	---	---	---	---
			M	22.33	23.00	1.17	0.045	---	0.053	---

			H	22.23	23.00	1.19	---	---	---	---
		Bottom	L	22.58	23.00	1.10	---	---	---	---
			M	22.33	23.00	1.17	0.104	---	0.122	---
			H	22.23	23.00	1.19	---	---	---	---
		Left	L	22.58	23.00	1.10	---	---	---	---
			M	22.33	23.00	1.17	0.062	---	0.073	---
			H	22.23	23.00	1.19	---	---	---	---
		Right	L	22.58	23.00	1.10	---	---	---	---
			M	22.33	23.00	1.17	1.080	---	1.264	---
			H	22.23	23.00	1.19	---	---	---	---

Test case				Meas power(dBm)	Tune-up(dBm)	Scaling factor	Meas SAR(w/kg)		Report SAR(w/kg)	
LTE8	Exposure condition	Position	Channel				First	Second	First	Second
QPSK	Head	Left Cheek	L	22.87	23.00	1.03	---	---	---	---
			M	22.95	23.00	1.01	0.214	---	0.216	---
			H	22.76	23.00	1.06	---	---	---	---
		Left tilt	L	22.87	23.00	1.03	---	---	---	---
			M	22.95	23.00	1.01	0.115	---	0.116	---
			H	22.76	23.00	1.06	---	---	---	---
		Right Cheek	L	22.87	23.00	1.03	---	---	---	---
			M	22.95	23.00	1.01	0.246	---	0.248	---
			H	22.76	23.00	1.06	---	---	---	---
		Right tilt	L	22.87	23.00	1.03	---	---	---	---
			M	22.95	23.00	1.01	0.141	---	0.142	---
			H	22.76	23.00	1.06	---	---	---	---
	Body-worn	Back	L	22.87	23.00	1.03	---	---	---	---
			M	22.95	23.00	1.01	0.474	---	0.479	---
			H	22.76	23.00	1.06	---	---	---	---
		Front	L	22.87	23.00	1.03	---	---	---	---
			M	22.95	23.00	1.01	0.513	---	0.518	---
			H	22.76	23.00	1.06	---	---	---	---
	Hotspot	Back	L	22.87	23.00	1.03	---	---	---	---
			M	22.95	23.00	1.01	0.474	---	0.479	---
			H	22.76	23.00	1.06	---	---	---	---
		Front	L	22.87	23.00	1.03	---	---	---	---
			M	22.95	23.00	1.01	0.513	---	0.518	---
			H	22.76	23.00	1.06	---	---	---	---
		Top	L	22.87	23.00	1.03	---	---	---	---
			M	22.95	23.00	1.01	0.010	---	0.010	---
			H	22.76	23.00	1.06	---	---	---	---
		Bottom	L	22.87	23.00	1.03	---	---	---	---
			M	22.95	23.00	1.01	0.273	---	0.276	---
			H	22.76	23.00	1.06	---	---	---	---
		Left	L	22.87	23.00	1.03	---	---	---	---
			M	22.95	23.00	1.01	0.100	---	0.101	---
			H	22.76	23.00	1.06	---	---	---	---
		Right	L	22.87	23.00	1.03	---	---	---	---
			M	22.95	23.00	1.01	0.170	---	0.172	---
			H	22.76	23.00	1.06	---	---	---	---
	Limb	Back	L	22.87	23.00	1.03	---	---	---	---
			M	22.95	23.00	1.01	0.651	---	0.658	---
			H	22.76	23.00	1.06	---	---	---	---
		Front	L	22.87	23.00	1.03	---	---	---	---
			M	22.95	23.00	1.01	0.703	---	0.710	---
			H	22.76	23.00	1.06	---	---	---	---
		Top	L	22.87	23.00	1.03	---	---	---	---
			M	22.95	23.00	1.01	0.043	---	0.043	---

			H	22.76	23.00	1.06	---	---	---	---
		Bottom	L	22.87	23.00	1.03	---	---	---	---
			M	22.95	23.00	1.01	0.526	---	0.531	---
			H	22.76	23.00	1.06	---	---	---	---
		Left	L	22.87	23.00	1.03	---	---	---	---
			M	22.95	23.00	1.01	0.187	---	0.189	---
			H	22.76	23.00	1.06	---	---	---	---
		Right	L	22.87	23.00	1.03	---	---	---	---
			M	22.95	23.00	1.01	0.229	---	0.231	---
			H	22.76	23.00	1.06	---	---	---	---

Test case				Meas power(dBm)	Tune-up(dBm)	Scaling factor	Meas SAR(w/kg)		Report SAR(w/kg)	
LTE20	Exposure condition	Position	Channel				First	Second	First	Second
QPSK	Head	Left Cheek	L	22.95	23.00	1.01	---	---	---	---
			M	22.92	23.00	1.02	0.237	---	0.242	---
			H	22.76	23.00	1.06	---	---	---	---
		Left tilt	L	22.95	23.00	1.01	---	---	---	---
			M	22.92	23.00	1.02	0.104	---	0.106	---
			H	22.76	23.00	1.06	---	---	---	---
		Right Cheek	L	22.95	23.00	1.01	---	---	---	---
			M	22.92	23.00	1.02	0.198	---	0.202	---
			H	22.76	23.00	1.06	---	---	---	---
		Right tilt	L	22.95	23.00	1.01	---	---	---	---
			M	22.92	23.00	1.02	0.111	---	0.113	---
			H	22.76	23.00	1.06	---	---	---	---
	Body-worn	Back	L	22.95	23.00	1.01	---	---	---	---
			M	22.92	23.00	1.02	0.349	---	0.356	---
			H	22.76	23.00	1.06	---	---	---	---
		Front	L	22.95	23.00	1.01	---	---	---	---
			M	22.92	23.00	1.02	0.438	---	0.447	---
			H	22.76	23.00	1.06	---	---	---	---
	Hotspot	Back	L	22.95	23.00	1.01	---	---	---	---
			M	22.92	23.00	1.02	0.349	---	0.356	---
			H	22.76	23.00	1.06	---	---	---	---
		Front	L	22.95	23.00	1.01	---	---	---	---
			M	22.92	23.00	1.02	0.438	---	0.447	---
			H	22.76	23.00	1.06	---	---	---	---
		Top	L	22.95	23.00	1.01	---	---	---	---
			M	22.92	23.00	1.02	0.010	---	0.010	---
			H	22.76	23.00	1.06	---	---	---	---
		Bottom	L	22.95	23.00	1.01	---	---	---	---
			M	22.92	23.00	1.02	0.114	---	0.116	---
			H	22.76	23.00	1.06	---	---	---	---
		Left	L	22.95	23.00	1.01	---	---	---	---
			M	22.92	23.00	1.02	0.063	---	0.064	---
			H	22.76	23.00	1.06	---	---	---	---
		Right	L	22.95	23.00	1.01	---	---	---	---
			M	22.92	23.00	1.02	0.180	---	0.184	---
			H	22.76	23.00	1.06	---	---	---	---
	Limb	Back	L	22.95	23.00	1.01	---	---	---	---
			M	22.92	23.00	1.02	0.621	---	0.633	---
			H	22.76	23.00	1.06	---	---	---	---
		Front	L	22.95	23.00	1.01	---	---	---	---
			M	22.92	23.00	1.02	0.897	---	0.915	---
			H	22.76	23.00	1.06	---	---	---	---
		Top	L	22.95	23.00	1.01	---	---	---	---
			M	22.92	23.00	1.02	0.040	---	0.041	---

			H	22.76	23.00	1.06	---	---	---	---
		Bottom	L	22.95	23.00	1.01	---	---	---	---
			M	22.92	23.00	1.02	0.336	---	0.343	---
			H	22.76	23.00	1.06	---	---	---	---
		Left	L	22.95	23.00	1.01	---	---	---	---
			M	22.92	23.00	1.02	0.169	---	0.172	---
			H	22.76	23.00	1.06	---	---	---	---
		Right	L	22.95	23.00	1.01	---	---	---	---
			M	22.92	23.00	1.02	0.214	---	0.218	---
			H	22.76	23.00	1.06	---	---	---	---

Test case				Meas power(dBm)	Tune-up(dBm)	Scaling factor	Meas SAR(w/kg)		Report SAR(w/kg)	
LTE28	Exposure condition	Position	Channel				First	Second	First	Second
QPSK	Head	Left Cheek	L	22.92	23.00	1.02	---	---	---	---
			M	22.98	23.00	1.00	0.197	---	0.197	---
			H	22.72	23.00	1.07	---	---	---	---
		Left tilt	L	22.92	23.00	1.02	---	---	---	---
			M	22.98	23.00	1.00	0.094	---	0.094	---
			H	22.72	23.00	1.07	---	---	---	---
		Right Cheek	L	22.92	23.00	1.02	---	---	---	---
			M	22.98	23.00	1.00	0.136	---	0.136	---
			H	22.72	23.00	1.07	---	---	---	---
		Right tilt	L	22.92	23.00	1.02	---	---	---	---
			M	22.98	23.00	1.00	0.079	---	0.079	---
			H	22.72	23.00	1.07	---	---	---	---
	Body-worn	Back	L	22.92	23.00	1.02	---	---	---	---
			M	22.98	23.00	1.00	0.271	---	0.271	---
			H	22.72	23.00	1.07	---	---	---	---
		Front	L	22.92	23.00	1.02	---	---	---	---
			M	22.98	23.00	1.00	0.316	---	0.316	---
			H	22.72	23.00	1.07	---	---	---	---
	Hotspot	Back	L	22.92	23.00	1.02	---	---	---	---
			M	22.98	23.00	1.00	0.271	---	0.271	---
			H	22.72	23.00	1.07	---	---	---	---
		Front	L	22.92	23.00	1.02	---	---	---	---
			M	22.98	23.00	1.00	0.316	---	0.316	---
			H	22.72	23.00	1.07	---	---	---	---
		Top	L	22.92	23.00	1.02	---	---	---	---
			M	22.98	23.00	1.00	0.010	---	0.010	---
			H	22.72	23.00	1.07	---	---	---	---
		Bottom	L	22.92	23.00	1.02	---	---	---	---
			M	22.98	23.00	1.00	0.024	---	0.024	---
			H	22.72	23.00	1.07	---	---	---	---
		Left	L	22.92	23.00	1.02	---	---	---	---
			M	22.98	23.00	1.00	0.095	---	0.095	---
			H	22.72	23.00	1.07	---	---	---	---
		Right	L	22.92	23.00	1.02	---	---	---	---
			M	22.98	23.00	1.00	0.167	---	0.167	---
			H	22.72	23.00	1.07	---	---	---	---
	Limb	Back	L	22.92	23.00	1.02	---	---	---	---
			M	22.98	23.00	1.00	0.501	---	0.501	---
			H	22.72	23.00	1.07	---	---	---	---
		Front	L	22.92	23.00	1.02	---	---	---	---
			M	22.98	23.00	1.00	0.718	---	0.718	---
			H	22.72	23.00	1.07	---	---	---	---
		Top	L	22.92	23.00	1.02	---	---	---	---
			M	22.98	23.00	1.00	0.010	---	0.010	---

			H	22.72	23.00	1.07	---	---	---	---
		Bottom	L	22.92	23.00	1.02	---	---	---	---
			M	22.98	23.00	1.00	0.065	---	0.065	---
			H	22.72	23.00	1.07	---	---	---	---
		Left	L	22.92	23.00	1.02	---	---	---	---
			M	22.98	23.00	1.00	0.168	---	0.168	---
			H	22.72	23.00	1.07	---	---	---	---
		Right	L	22.92	23.00	1.02	---	---	---	---
			M	22.98	23.00	1.00	0.085	---	0.085	---
			H	22.72	23.00	1.07	---	---	---	---

Test case				Meas power(dBm)	Tune-up(dBm)	Scaling factor	Meas SAR(w/kg)		Report SAR(w/kg)	
LTE38	Exposure condition	Position	Channel				First	Second	First	Second
QPSK	Head	Left Cheek	L	21.95	22.00	1.01	---	---	---	---
			M	21.90	22.00	1.02	0.113	---	0.115	---
			H	21.99	22.00	1.00	---	---	---	---
		Left tilt	L	21.95	22.00	1.01	---	---	---	---
			M	21.90	22.00	1.02	0.032	---	0.033	---
			H	21.99	22.00	1.00	---	---	---	---
		Right Cheek	L	21.95	22.00	1.01	---	---	---	---
			M	21.90	22.00	1.02	0.079	---	0.081	---
			H	21.99	22.00	1.00	---	---	---	---
		Right tilt	L	21.95	22.00	1.01	---	---	---	---
			M	21.90	22.00	1.02	0.024	---	0.024	---
			H	21.99	22.00	1.00	---	---	---	---
	Body-worn	Back	L	21.95	22.00	1.01	---	---	---	---
			M	21.90	22.00	1.02	0.181	---	0.185	---
			H	21.99	22.00	1.00	---	---	---	---
		Front	L	21.95	22.00	1.01	---	---	---	---
			M	21.90	22.00	1.02	0.239	---	0.244	---
			H	21.99	22.00	1.00	---	---	---	---
	Hotspot	Back	L	21.95	22.00	1.01	---	---	---	---
			M	21.90	22.00	1.02	0.181	---	0.185	---
			H	21.99	22.00	1.00	---	---	---	---
		Front	L	21.95	22.00	1.01	---	---	---	---
			M	21.90	22.00	1.02	0.239	---	0.244	---
			H	21.99	22.00	1.00	---	---	---	---
		Top	L	21.95	22.00	1.01	---	---	---	---
			M	21.90	22.00	1.02	0.010	---	0.010	---
			H	21.99	22.00	1.00	---	---	---	---
		Bottom	L	21.95	22.00	1.01	---	---	---	---
			M	21.90	22.00	1.02	0.064	---	0.065	---
			H	21.99	22.00	1.00	---	---	---	---
		Left	L	21.95	22.00	1.01	---	---	---	---
			M	21.90	22.00	1.02	0.020	---	0.020	---
			H	21.99	22.00	1.00	---	---	---	---
		Right	L	21.95	22.00	1.01	---	---	---	---
			M	21.90	22.00	1.02	0.258	---	0.263	---
			H	21.99	22.00	1.00	---	---	---	---
	Limb	Back	L	21.95	22.00	1.01	---	---	---	---
			M	21.90	22.00	1.02	0.415	---	0.423	---
			H	21.99	22.00	1.00	---	---	---	---
		Front	L	21.95	22.00	1.01	---	---	---	---
			M	21.90	22.00	1.02	0.680	---	0.694	---
			H	21.99	22.00	1.00	---	---	---	---
		Top	L	21.95	22.00	1.01	---	---	---	---
			M	21.90	22.00	1.02	0.032	---	0.033	---

			H	21.99	22.00	1.00	---	---	---	---
		Bottom	L	21.95	22.00	1.01	---	---	---	---
			M	21.90	22.00	1.02	0.097	---	0.099	---
			H	21.99	22.00	1.00	---	---	---	---
		Left	L	21.95	22.00	1.01	---	---	---	---
			M	21.90	22.00	1.02	0.049	---	0.050	---
			H	21.99	22.00	1.00	---	---	---	---
		Right	L	21.95	22.00	1.01	---	---	---	---
			M	21.90	22.00	1.02	0.742	---	0.757	---
			H	21.99	22.00	1.00	---	---	---	---

Test case				Meas power(dBm)	Tune-up(dBm)	Scaling factor	Meas SAR(w/kg)		Report SAR(w/kg)	
LTE40	Exposure condition	Position	Channel				First	Second	First	Second
QPSK	Head	Left Cheek	L	20.23	20.50	1.06	---	---	---	---
			M	19.99	20.50	1.12	0.258	---	0.289	---
			H	19.64	20.50	1.22	---	---	---	---
		Left tilt	L	20.23	20.50	1.06	---	---	---	---
			M	19.99	20.50	1.12	0.251	---	0.281	---
			H	19.64	20.50	1.22	---	---	---	---
		Right Cheek	L	20.23	20.50	1.06	---	---	---	---
			M	19.99	20.50	1.12	0.314	---	0.352	---
			H	19.64	20.50	1.22	---	---	---	---
		Right tilt	L	20.23	20.50	1.06	---	---	---	---
			M	19.99	20.50	1.12	0.370	---	0.414	---
			H	19.64	20.50	1.22	---	---	---	---
	Body-worn	Back	L	20.23	20.50	1.06	---	---	---	---
			M	19.99	20.50	1.12	0.090	---	0.101	---
			H	19.64	20.50	1.22	---	---	---	---
		Front	L	20.23	20.50	1.06	---	---	---	---
			M	19.99	20.50	1.12	0.153	---	0.171	---
			H	19.64	20.50	1.22	---	---	---	---
	Hotspot	Back	L	20.23	20.50	1.06	---	---	---	---
			M	19.99	20.50	1.12	0.090	---	0.101	---
			H	19.64	20.50	1.22	---	---	---	---
		Front	L	20.23	20.50	1.06	---	---	---	---
			M	19.99	20.50	1.12	0.153	---	0.171	---
			H	19.64	20.50	1.22	---	---	---	---
		Top	L	20.23	20.50	1.06	---	---	---	---
			M	19.99	20.50	1.12	0.323	---	0.362	---
			H	19.64	20.50	1.22	---	---	---	---
		Bottom	L	20.23	20.50	1.06	---	---	---	---
			M	19.99	20.50	1.12	0.010	---	0.011	---
			H	19.64	20.50	1.22	---	---	---	---
		Left	L	20.23	20.50	1.06	---	---	---	---
			M	19.99	20.50	1.12	0.039	---	0.044	---
			H	19.64	20.50	1.22	---	---	---	---
		Right	L	20.23	20.50	1.06	---	---	---	---
			M	19.99	20.50	1.12	0.023	---	0.026	---
			H	19.64	20.50	1.22	---	---	---	---
	Limb	Back	L	20.23	20.50	1.06	---	---	---	---
			M	19.99	20.50	1.12	0.204	---	0.228	---
			H	19.64	20.50	1.22	---	---	---	---
		Front	L	20.23	20.50	1.06	---	---	---	---
			M	19.99	20.50	1.12	0.621	---	0.696	---
			H	19.64	20.50	1.22	---	---	---	---
		Top	L	20.23	20.50	1.06	---	---	---	---
			M	19.99	20.50	1.12	1.200	---	1.344	---

			H	19.64	20.50	1.22	---	---	---	---
		Bottom	L	20.23	20.50	1.06	---	---	---	---
			M	19.99	20.50	1.12	0.010	---	0.011	---
			H	19.64	20.50	1.22	---	---	---	---
		Left	L	20.23	20.50	1.06	---	---	---	---
			M	19.99	20.50	1.12	0.120	---	0.134	---
			H	19.64	20.50	1.22	---	---	---	---
		Right	L	20.23	20.50	1.06	---	---	---	---
			M	19.99	20.50	1.12	0.043	---	0.048	---
			H	19.64	20.50	1.22	---	---	---	---

Test case				Meas power(dBm)	Tune-up(dBm)	Scaling factor	Meas SAR(w/kg)		Report SAR(w/kg)	
LTE42	Exposure condition	Position	Channel				First	Second	First	Second
QPSK	Head	Left Cheek	L	23.08	23.50	1.10	---	---	---	---
			M	23.33	23.50	1.04	0.402	---	0.418	---
			H	23.08	23.50	1.10	---	---	---	---
		Left tilt	L	23.08	23.50	1.10	---	---	---	---
			M	23.33	23.50	1.04	0.381	---	0.396	---
			H	23.08	23.50	1.10	---	---	---	---
		Right Cheek	L	23.08	23.50	1.10	---	---	---	---
			M	23.33	23.50	1.04	0.650	---	0.676	---
			H	23.08	23.50	1.10	---	---	---	---
		Right tilt	L	23.08	23.50	1.10	---	---	---	---
			M	23.33	23.50	1.04	0.599	---	0.623	---
			H	23.08	23.50	1.10	---	---	---	---
	Body-worn	Back	L	23.08	23.50	1.10	---	---	---	---
			M	23.33	23.50	1.04	0.275	---	0.286	---
			H	23.08	23.50	1.10	---	---	---	---
		Front	L	23.08	23.50	1.10	---	---	---	---
			M	23.33	23.50	1.04	0.290	---	0.302	---
			H	23.08	23.50	1.10	---	---	---	---
	Hotspot	Back	L	23.08	23.50	1.10	---	---	---	---
			M	23.33	23.50	1.04	0.275	---	0.286	---
			H	23.08	23.50	1.10	---	---	---	---
		Front	L	23.08	23.50	1.10	---	---	---	---
			M	23.33	23.50	1.04	0.290	---	0.302	---
			H	23.08	23.50	1.10	---	---	---	---
		Top	L	23.08	23.50	1.10	---	---	---	---
			M	23.33	23.50	1.04	0.400	---	0.416	---
			H	23.08	23.50	1.10	---	---	---	---
		Bottom	L	23.08	23.50	1.10	---	---	---	---
			M	23.33	23.50	1.04	0.010	---	0.010	---
			H	23.08	23.50	1.10	---	---	---	---
		Left	L	23.08	23.50	1.10	---	---	---	---
			M	23.33	23.50	1.04	0.205	---	0.213	---
			H	23.08	23.50	1.10	---	---	---	---
		Right	L	23.08	23.50	1.10	---	---	---	---
			M	23.33	23.50	1.04	0.026	---	0.027	---
			H	23.08	23.50	1.10	---	---	---	---
	Limb	Back	L	23.08	23.50	1.10	---	---	---	---
			M	23.33	23.50	1.04	0.697	---	0.725	---
			H	23.08	23.50	1.10	---	---	---	---
		Front	L	23.08	23.50	1.10	---	---	---	---
			M	23.33	23.50	1.04	1.160	---	1.206	---
			H	23.08	23.50	1.10	---	---	---	---
		Top	L	23.08	23.50	1.10	---	---	---	---
			M	23.33	23.50	1.04	0.924	---	0.961	---

			H	23.08	23.50	1.10	---	---	---	---
		Bottom	L	23.08	23.50	1.10	---	---	---	---
			M	23.33	23.50	1.04	0.010	---	0.010	---
			H	23.08	23.50	1.10	---	---	---	---
		Left	L	23.08	23.50	1.10	---	---	---	---
			M	23.33	23.50	1.04	0.556	---	0.578	---
			H	23.08	23.50	1.10	---	---	---	---
		Right	L	23.08	23.50	1.10	---	---	---	---
			M	23.33	23.50	1.04	0.050	---	0.052	---
			H	23.08	23.50	1.10	---	---	---	---

Test case				Meas power(dBm)	Tune-up(dBm)	Scaling factor	Meas SAR(w/kg)		Report SAR(w/kg)	
LTE43	Exposure condition	Position	Channel				First	Second	First	Second
QPSK	Head	Left Cheek	L	23.20	23.50	1.07	---	---	---	---
			M	23.34	23.50	1.04	0.780	---	0.811	---
			H	23.13	23.50	1.09	---	---	---	---
		Left tilt	L	23.20	23.50	1.07	---	---	---	---
			M	23.34	23.50	1.04	0.463	---	0.482	---
			H	23.13	23.50	1.09	---	---	---	---
		Right Cheek	L	23.20	23.50	1.07	---	---	---	---
			M	23.34	23.50	1.04	0.760	---	0.790	---
			H	23.13	23.50	1.09	---	---	---	---
		Right tilt	L	23.20	23.50	1.07	---	---	---	---
			M	23.34	23.50	1.04	0.673	---	0.700	---
			H	23.13	23.50	1.09	---	---	---	---
	Body-worn	Back	L	23.20	23.50	1.07	---	---	---	---
			M	23.34	23.50	1.04	0.192	---	0.200	---
			H	23.13	23.50	1.09	---	---	---	---
		Front	L	23.20	23.50	1.07	---	---	---	---
			M	23.34	23.50	1.04	0.392	---	0.408	---
			H	23.13	23.50	1.09	---	---	---	---
	Hotspot	Back	L	23.20	23.50	1.07	---	---	---	---
			M	23.34	23.50	1.04	0.192	---	0.200	---
			H	23.13	23.50	1.09	---	---	---	---
		Front	L	23.20	23.50	1.07	---	---	---	---
			M	23.34	23.50	1.04	0.392	---	0.408	---
			H	23.13	23.50	1.09	---	---	---	---
		Top	L	23.20	23.50	1.07	---	---	---	---
			M	23.34	23.50	1.04	0.307	---	0.319	---
			H	23.13	23.50	1.09	---	---	---	---
		Bottom	L	23.20	23.50	1.07	---	---	---	---
			M	23.34	23.50	1.04	0.010	---	0.010	---
			H	23.13	23.50	1.09	---	---	---	---
		Left	L	23.20	23.50	1.07	---	---	---	---
			M	23.34	23.50	1.04	0.145	---	0.151	---
			H	23.13	23.50	1.09	---	---	---	---
		Right	L	23.20	23.50	1.07	---	---	---	---
			M	23.34	23.50	1.04	0.021	---	0.022	---
			H	23.13	23.50	1.09	---	---	---	---
	Limb	Back	L	23.20	23.50	1.07	---	---	---	---
			M	23.34	23.50	1.04	0.516	---	0.537	---
			H	23.13	23.50	1.09	---	---	---	---
		Front	L	23.20	23.50	1.07	---	---	---	---
			M	23.34	23.50	1.04	1.450	---	1.508	---
			H	23.13	23.50	1.09	---	---	---	---
		Top	L	23.20	23.50	1.07	---	---	---	---
			M	23.34	23.50	1.04	0.902	---	0.938	---

			H	23.13	23.50	1.09	---	---	---	---
		Bottom	L	23.20	23.50	1.07	---	---	---	---
			M	23.34	23.50	1.04	0.010	---	0.010	---
			H	23.13	23.50	1.09	---	---	---	---
		Left	L	23.20	23.50	1.07	---	---	---	---
			M	23.34	23.50	1.04	0.397	---	0.413	---
			H	23.13	23.50	1.09	---	---	---	---
		Right	L	23.20	23.50	1.07	---	---	---	---
			M	23.34	23.50	1.04	0.035	---	0.036	---
			H	23.13	23.50	1.09	---	---	---	---

Test case				Meas power(dBm)	Tune-up(dBm)	Scaling factor	Meas SAR(w/kg)		Report SAR(w/kg)	
LTE68	Exposure condition	Position	Channel				First	Second	First	Second
QPSK	Head	Left Cheek	L	22.50	22.50	1.00	---	---	---	---
			M	22.47	22.50	1.01	0.134	---	0.135	---
			H	22.48	22.50	1.00	---	---	---	---
		Left tilt	L	22.50	22.50	1.00	---	---	---	---
			M	22.47	22.50	1.01	0.093	---	0.094	---
			H	22.48	22.50	1.00	---	---	---	---
		Right Cheek	L	22.50	22.50	1.00	---	---	---	---
			M	22.47	22.50	1.01	0.155	---	0.157	---
			H	22.48	22.50	1.00	---	---	---	---
		Right tilt	L	22.50	22.50	1.00	---	---	---	---
			M	22.47	22.50	1.01	0.093	---	0.094	---
			H	22.48	22.50	1.00	---	---	---	---
	Body-worn	Back	L	22.50	22.50	1.00	---	---	---	---
			M	22.47	22.50	1.01	0.287	---	0.290	---
			H	22.48	22.50	1.00	---	---	---	---
		Front	L	22.50	22.50	1.00	---	---	---	---
			M	22.47	22.50	1.01	0.332	---	0.335	---
			H	22.48	22.50	1.00	---	---	---	---
	Hotspot	Back	L	22.50	22.50	1.00	---	---	---	---
			M	22.47	22.50	1.01	0.287	---	0.290	---
			H	22.48	22.50	1.00	---	---	---	---
		Front	L	22.50	22.50	1.00	---	---	---	---
			M	22.47	22.50	1.01	0.332	---	0.335	---
			H	22.48	22.50	1.00	---	---	---	---
		Top	L	22.50	22.50	1.00	---	---	---	---
			M	22.47	22.50	1.01	0.010	---	0.010	---
			H	22.48	22.50	1.00	---	---	---	---
		Bottom	L	22.50	22.50	1.00	---	---	---	---
			M	22.47	22.50	1.01	0.160	---	0.162	---
			H	22.48	22.50	1.00	---	---	---	---
		Left	L	22.50	22.50	1.00	---	---	---	---
			M	22.47	22.50	1.01	0.130	---	0.131	---
			H	22.48	22.50	1.00	---	---	---	---
		Right	L	22.50	22.50	1.00	---	---	---	---
			M	22.47	22.50	1.01	0.232	---	0.234	---
			H	22.48	22.50	1.00	---	---	---	---
	Limb	Back	L	22.50	22.50	1.00	---	---	---	---
			M	22.47	22.50	1.01	0.531	---	0.536	---
			H	22.48	22.50	1.00	---	---	---	---
		Front	L	22.50	22.50	1.00	---	---	---	---
			M	22.47	22.50	1.01	0.784	---	0.792	---
			H	22.48	22.50	1.00	---	---	---	---
		Top	L	22.50	22.50	1.00	---	---	---	---
			M	22.47	22.50	1.01	0.044	---	0.044	---

			H	22.48	22.50	1.00	---	---	---	---
		Bottom	L	22.50	22.50	1.00	---	---	---	---
			M	22.47	22.50	1.01	0.332	---	0.335	---
			H	22.48	22.50	1.00	---	---	---	---
		Left	L	22.50	22.50	1.00	---	---	---	---
			M	22.47	22.50	1.01	0.197	---	0.199	---
			H	22.48	22.50	1.00	---	---	---	---
		Right	L	22.50	22.50	1.00	---	---	---	---
			M	22.47	22.50	1.01	0.248	---	0.250	---
			H	22.48	22.50	1.00	---	---	---	---

Test case				Meas power(dBm)	Tune-up(dBm)	Scaling factor	Meas SAR(w/kg)		Report SAR(w/kg)	
NR1	Exposure condition	Position	Channel				First	Second	First	Second
π/2-BPSK	Head	Left Cheek	L	21.90	22.50	1.15	---	---	---	---
			M	22.10	22.50	1.10	0.079	---	0.087	---
			H	21.50	22.50	1.26	---	---	---	---
		Left tilt	L	21.90	22.50	1.15	---	---	---	---
			M	22.10	22.50	1.10	0.029	---	0.032	---
			H	21.50	22.50	1.26	---	---	---	---
		Right Cheek	L	21.90	22.50	1.15	---	---	---	---
			M	22.10	22.50	1.10	0.087	---	0.096	---
			H	21.50	22.50	1.26	---	---	---	---
		Right tilt	L	21.90	22.50	1.15	---	---	---	---
			M	22.10	22.50	1.10	0.025	---	0.028	---
			H	21.50	22.50	1.26	---	---	---	---
	Body-worn	Back	L	21.90	22.50	1.15	---	---	---	---
			M	22.10	22.50	1.10	0.231	---	0.254	---
			H	21.50	22.50	1.26	---	---	---	---
		Front	L	21.90	22.50	1.15	---	---	---	---
			M	22.10	22.50	1.10	0.215	---	0.237	---
			H	21.50	22.50	1.26	---	---	---	---
	Hotspot	Back	L	21.90	22.50	1.15	---	---	---	---
			M	22.10	22.50	1.10	0.231	---	0.254	---
			H	21.50	22.50	1.26	---	---	---	---
		Front	L	21.90	22.50	1.15	---	---	---	---
			M	22.10	22.50	1.10	0.215	---	0.237	---
			H	21.50	22.50	1.26	---	---	---	---
		Top	L	21.90	22.50	1.15	---	---	---	---
			M	22.10	22.50	1.10	0.010	---	0.011	---
			H	21.50	22.50	1.26	---	---	---	---
		Bottom	L	21.90	22.50	1.15	---	---	---	---
			M	22.10	22.50	1.10	0.055	---	0.061	---
			H	21.50	22.50	1.26	---	---	---	---
		Left	L	21.90	22.50	1.15	---	---	---	---
			M	22.10	22.50	1.10	0.010	---	0.011	---
			H	21.50	22.50	1.26	---	---	---	---
		Right	L	21.90	22.50	1.15	---	---	---	---
			M	22.10	22.50	1.10	0.323	---	0.355	---
			H	21.50	22.50	1.26	---	---	---	---
	Limb	Back	L	21.90	22.50	1.15	---	---	---	---
			M	22.10	22.50	1.10	0.667	---	0.734	---
			H	21.50	22.50	1.26	---	---	---	---
		Front	L	21.90	22.50	1.15	---	---	---	---
			M	22.10	22.50	1.10	0.748	---	0.823	---
			H	21.50	22.50	1.26	---	---	---	---
		Top	L	21.90	22.50	1.15	---	---	---	---
			M	22.10	22.50	1.10	0.045	---	0.050	---

			H	21.50	22.50	1.26	---	---	---	---
		Bottom	L	21.90	22.50	1.15	---	---	---	---
			M	22.10	22.50	1.10	0.079	---	0.087	---
			H	21.50	22.50	1.26	---	---	---	---
		Left	L	21.90	22.50	1.15	---	---	---	---
			M	22.10	22.50	1.10	0.010	---	0.011	---
			H	21.50	22.50	1.26	---	---	---	---
		Right	L	21.90	22.50	1.15	---	---	---	---
			M	22.10	22.50	1.10	1.160	---	1.276	---
			H	21.50	22.50	1.26	---	---	---	---

Test case				Meas power(dBm)	Tune-up(dBm)	Scaling factor	Meas SAR(w/kg)		Report SAR(w/kg)	
NR3	Exposure condition	Position	Channel				First	Second	First	Second
π/2-BPSK	Head	Left Cheek	L	21.90	22.50	1.15	---	---	---	---
			M	22.20	22.50	1.07	0.093	---	0.100	---
			H	22.00	22.50	1.12	---	---	---	---
		Left tilt	L	21.90	22.50	1.15	---	---	---	---
			M	22.20	22.50	1.07	0.044	---	0.047	---
			H	22.00	22.50	1.12	---	---	---	---
		Right Cheek	L	21.90	22.50	1.15	---	---	---	---
			M	22.20	22.50	1.07	0.114	---	0.122	---
			H	22.00	22.50	1.12	---	---	---	---
		Right tilt	L	21.90	22.50	1.15	---	---	---	---
			M	22.20	22.50	1.07	0.040	---	0.043	---
			H	22.00	22.50	1.12	---	---	---	---
	Body-worn	Back	L	21.90	22.50	1.15	---	---	---	---
			M	22.20	22.50	1.07	0.335	---	0.358	---
			H	22.00	22.50	1.12	---	---	---	---
		Front	L	21.90	22.50	1.15	---	---	---	---
			M	22.20	22.50	1.07	0.415	---	0.444	---
			H	22.00	22.50	1.12	---	---	---	---
	Hotspot	Back	L	21.90	22.50	1.15	---	---	---	---
			M	22.20	22.50	1.07	0.335	---	0.358	---
			H	22.00	22.50	1.12	---	---	---	---
		Front	L	21.90	22.50	1.15	---	---	---	---
			M	22.20	22.50	1.07	0.415	---	0.444	---
			H	22.00	22.50	1.12	---	---	---	---
		Top	L	21.90	22.50	1.15	---	---	---	---
			M	22.20	22.50	1.07	0.010	---	0.011	---
			H	22.00	22.50	1.12	---	---	---	---
		Bottom	L	21.90	22.50	1.15	---	---	---	---
			M	22.20	22.50	1.07	0.033	---	0.035	---
			H	22.00	22.50	1.12	---	---	---	---
		Left	L	21.90	22.50	1.15	---	---	---	---
			M	22.20	22.50	1.07	0.010	---	0.011	---
			H	22.00	22.50	1.12	---	---	---	---
		Right	L	21.90	22.50	1.15	---	---	---	---
			M	22.20	22.50	1.07	0.407	---	0.435	---
			H	22.00	22.50	1.12	---	---	---	---
	Limb	Back	L	21.90	22.50	1.15	---	---	---	---
			M	22.20	22.50	1.07	0.979	---	1.048	---
			H	22.00	22.50	1.12	---	---	---	---
		Front	L	21.90	22.50	1.15	---	---	---	---
			M	22.20	22.50	1.07	1.170	---	1.252	---
			H	22.00	22.50	1.12	---	---	---	---
		Top	L	21.90	22.50	1.15	---	---	---	---
			M	22.20	22.50	1.07	0.062	---	0.066	---

			H	22.00	22.50	1.12	---	---	---	---
		Bottom	L	21.90	22.50	1.15	---	---	---	---
			M	22.20	22.50	1.07	0.080	---	0.086	---
			H	22.00	22.50	1.12	---	---	---	---
		Left	L	21.90	22.50	1.15	---	---	---	---
			M	22.20	22.50	1.07	0.027	---	0.029	---
			H	22.00	22.50	1.12	---	---	---	---
		Right	L	21.90	22.50	1.15	---	---	---	---
			M	22.20	22.50	1.07	1.100	---	1.177	---
			H	22.00	22.50	1.12	---	---	---	---

Test case				Meas power(dBm)	Tune-up(dBm)	Scaling factor	Meas SAR(w/kg)		Report SAR(w/kg)	
NR7	Exposure condition	Position	Channel				First	Second	First	Second
π/2-BPSK	Head	Left Cheek	L	22.00	22.50	1.12	---	---	---	---
			M	22.10	22.50	1.10	0.203	---	0.223	---
			H	21.90	22.50	1.15	---	---	---	---
		Left tilt	L	22.00	22.50	1.12	---	---	---	---
			M	22.10	22.50	1.10	0.071	---	0.078	---
			H	21.90	22.50	1.15	---	---	---	---
		Right Cheek	L	22.00	22.50	1.12	---	---	---	---
			M	22.10	22.50	1.10	0.121	---	0.133	---
			H	21.90	22.50	1.15	---	---	---	---
		Right tilt	L	22.00	22.50	1.12	---	---	---	---
			M	22.10	22.50	1.10	0.041	---	0.045	---
			H	21.90	22.50	1.15	---	---	---	---
	Body-worn	Back	L	22.00	22.50	1.12	---	---	---	---
			M	22.10	22.50	1.10	0.208	---	0.229	---
			H	21.90	22.50	1.15	---	---	---	---
		Front	L	22.00	22.50	1.12	---	---	---	---
			M	22.10	22.50	1.10	0.416	---	0.458	---
			H	21.90	22.50	1.15	---	---	---	---
	Hotspot	Back	L	22.00	22.50	1.12	---	---	---	---
			M	22.10	22.50	1.10	0.208	---	0.229	---
			H	21.90	22.50	1.15	---	---	---	---
		Front	L	22.00	22.50	1.12	---	---	---	---
			M	22.10	22.50	1.10	0.416	---	0.458	---
			H	21.90	22.50	1.15	---	---	---	---
		Top	L	22.00	22.50	1.12	---	---	---	---
			M	22.10	22.50	1.10	0.010	---	0.011	---
			H	21.90	22.50	1.15	---	---	---	---
		Bottom	L	22.00	22.50	1.12	---	---	---	---
			M	22.10	22.50	1.10	0.081	---	0.089	---
			H	21.90	22.50	1.15	---	---	---	---
		Left	L	22.00	22.50	1.12	---	---	---	---
			M	22.10	22.50	1.10	0.026	---	0.029	---
			H	21.90	22.50	1.15	---	---	---	---
		Right	L	22.00	22.50	1.12	---	---	---	---
			M	22.10	22.50	1.10	0.456	---	0.502	---
			H	21.90	22.50	1.15	---	---	---	---
	Limb	Back	L	22.00	22.50	1.12	---	---	---	---
			M	22.10	22.50	1.10	0.672	---	0.739	---
			H	21.90	22.50	1.15	---	---	---	---
		Front	L	22.00	22.50	1.12	---	---	---	---
			M	22.10	22.50	1.10	1.030	---	1.133	---
			H	21.90	22.50	1.15	---	---	---	---
		Top	L	22.00	22.50	1.12	---	---	---	---
			M	22.10	22.50	1.10	0.034	---	0.037	---

			H	21.90	22.50	1.15	---	---	---	---
		Bottom	L	22.00	22.50	1.12	---	---	---	---
			M	22.10	22.50	1.10	0.176	---	0.194	---
			H	21.90	22.50	1.15	---	---	---	---
		Left	L	22.00	22.50	1.12	---	---	---	---
			M	22.10	22.50	1.10	0.093	---	0.102	---
			H	21.90	22.50	1.15	---	---	---	---
		Right	L	22.00	22.50	1.12	---	---	---	---
			M	22.10	22.50	1.10	1.140	---	1.254	---
			H	21.90	22.50	1.15	---	---	---	---

Test case				Meas power(dBm)	Tune-up(dBm)	Scaling factor	Meas SAR(w/kg)		Report SAR(w/kg)	
NR8	Exposure condition	Position	Channel				First	Second	First	Second
π/2-BPSK	Head	Left Cheek	L	24.40	25.50	1.29	---	---	---	---
			M	24.60	25.50	1.23	0.275	---	0.338	---
			H	25.50	25.50	1.00	---	---	---	---
		Left tilt	L	24.40	25.50	1.29	---	---	---	---
			M	24.60	25.50	1.23	0.109	---	0.134	---
			H	25.50	25.50	1.00	---	---	---	---
		Right Cheek	L	24.40	25.50	1.29	---	---	---	---
			M	24.60	25.50	1.23	0.218	---	0.268	---
			H	25.50	25.50	1.00	---	---	---	---
		Right tilt	L	24.40	25.50	1.29	---	---	---	---
			M	24.60	25.50	1.23	0.130	---	0.160	---
			H	25.50	25.50	1.00	---	---	---	---
	Body-worn	Back	L	24.40	25.50	1.29	---	---	---	---
			M	24.60	25.50	1.23	0.415	---	0.510	---
			H	25.50	25.50	1.00	---	---	---	---
		Front	L	24.40	25.50	1.29	---	---	---	---
			M	24.60	25.50	1.23	0.427	---	0.525	---
			H	25.50	25.50	1.00	---	---	---	---
	Hotspot	Back	L	24.40	25.50	1.29	---	---	---	---
			M	24.60	25.50	1.23	0.415	---	0.510	---
			H	25.50	25.50	1.00	---	---	---	---
		Front	L	24.40	25.50	1.29	---	---	---	---
			M	24.60	25.50	1.23	0.427	---	0.525	---
			H	25.50	25.50	1.00	---	---	---	---
		Top	L	24.40	25.50	1.29	---	---	---	---
			M	24.60	25.50	1.23	0.010	---	0.012	---
			H	25.50	25.50	1.00	---	---	---	---
		Bottom	L	24.40	25.50	1.29	---	---	---	---
			M	24.60	25.50	1.23	0.258	---	0.317	---
			H	25.50	25.50	1.00	---	---	---	---
		Left	L	24.40	25.50	1.29	---	---	---	---
			M	24.60	25.50	1.23	0.107	---	0.132	---
			H	25.50	25.50	1.00	---	---	---	---
		Right	L	24.40	25.50	1.29	---	---	---	---
			M	24.60	25.50	1.23	0.162	---	0.199	---
			H	25.50	25.50	1.00	---	---	---	---
	Limb	Back	L	24.40	25.50	1.29	---	---	---	---
			M	24.60	25.50	1.23	0.667	---	0.820	---
			H	25.50	25.50	1.00	---	---	---	---
		Front	L	24.40	25.50	1.29	---	---	---	---
			M	24.60	25.50	1.23	0.680	---	0.836	---
			H	25.50	25.50	1.00	---	---	---	---
		Top	L	24.40	25.50	1.29	---	---	---	---
			M	24.60	25.50	1.23	0.010	---	0.012	---

			H	25.50	25.50	1.00	---	---	---	---
		Bottom	L	24.40	25.50	1.29	---	---	---	---
			M	24.60	25.50	1.23	0.473	---	0.582	---
			H	25.50	25.50	1.00	---	---	---	---
		Left	L	24.40	25.50	1.29	---	---	---	---
			M	24.60	25.50	1.23	0.188	---	0.231	---
			H	25.50	25.50	1.00	---	---	---	---
		Right	L	24.40	25.50	1.29	---	---	---	---
			M	24.60	25.50	1.23	0.230	---	0.283	---
			H	25.50	25.50	1.00	---	---	---	---

Test case				Meas power(dBm)	Tune-up(dBm)	Scaling factor	Meas SAR(w/kg)		Report SAR(w/kg)	
NR20	Exposure condition	Position	Channel				First	Second	First	Second
π/2-BPSK	Head	Left Cheek	L	22.70	23.00	1.07	---	---	---	---
			M	22.80	23.00	1.05	0.143	---	0.150	---
			H	22.60	23.00	1.10	---	---	---	---
		Left tilt	L	22.70	23.00	1.07	---	---	---	---
			M	22.80	23.00	1.05	0.096	---	0.101	---
			H	22.60	23.00	1.10	---	---	---	---
		Right Cheek	L	22.70	23.00	1.07	---	---	---	---
			M	22.80	23.00	1.05	0.188	---	0.197	---
			H	22.60	23.00	1.10	---	---	---	---
		Right tilt	L	22.70	23.00	1.07	---	---	---	---
			M	22.80	23.00	1.05	0.109	---	0.114	---
			H	22.60	23.00	1.10	---	---	---	---
	Body-worn	Back	L	22.70	23.00	1.07	---	---	---	---
			M	22.80	23.00	1.05	0.326	---	0.342	---
			H	22.60	23.00	1.10	---	---	---	---
		Front	L	22.70	23.00	1.07	---	---	---	---
			M	22.80	23.00	1.05	0.403	---	0.423	---
			H	22.60	23.00	1.10	---	---	---	---
	Hotspot	Back	L	22.70	23.00	1.07	---	---	---	---
			M	22.80	23.00	1.05	0.326	---	0.342	---
			H	22.60	23.00	1.10	---	---	---	---
		Front	L	22.70	23.00	1.07	---	---	---	---
			M	22.80	23.00	1.05	0.403	---	0.423	---
			H	22.60	23.00	1.10	---	---	---	---
		Top	L	22.70	23.00	1.07	---	---	---	---
			M	22.80	23.00	1.05	0.010	---	0.011	---
			H	22.60	23.00	1.10	---	---	---	---
		Bottom	L	22.70	23.00	1.07	---	---	---	---
			M	22.80	23.00	1.05	0.202	---	0.212	---
			H	22.60	23.00	1.10	---	---	---	---
		Left	L	22.70	23.00	1.07	---	---	---	---
			M	22.80	23.00	1.05	0.060	---	0.063	---
			H	22.60	23.00	1.10	---	---	---	---
		Right	L	22.70	23.00	1.07	---	---	---	---
			M	22.80	23.00	1.05	0.168	---	0.176	---
			H	22.60	23.00	1.10	---	---	---	---
	Limb	Back	L	22.70	23.00	1.07	---	---	---	---
			M	22.80	23.00	1.05	0.584	---	0.613	---
			H	22.60	23.00	1.10	---	---	---	---
		Front	L	22.70	23.00	1.07	---	---	---	---
			M	22.80	23.00	1.05	0.778	---	0.817	---
			H	22.60	23.00	1.10	---	---	---	---
		Top	L	22.70	23.00	1.07	---	---	---	---
			M	22.80	23.00	1.05	0.031	---	0.033	---

			H	22.60	23.00	1.10	---	---	---	---
		Bottom	L	22.70	23.00	1.07	---	---	---	---
			M	22.80	23.00	1.05	0.522	---	0.548	---
			H	22.60	23.00	1.10	---	---	---	---
		Left	L	22.70	23.00	1.07	---	---	---	---
			M	22.80	23.00	1.05	0.163	---	0.171	---
			H	22.60	23.00	1.10	---	---	---	---
		Right	L	22.70	23.00	1.07	---	---	---	---
			M	22.80	23.00	1.05	0.498	---	0.523	---
			H	22.60	23.00	1.10	---	---	---	---

Test case				Meas power(dBm)	Tune-up(dBm)	Scaling factor	Meas SAR(w/kg)		Report SAR(w/kg)	
NR28	Exposure condition	Position	Channel				First	Second	First	Second
π/2-BPSK	Head	Left Cheek	L	23.80	24.00	1.05	---	---	---	---
			M	23.90	24.00	1.02	0.106	---	0.108	---
			H	23.60	24.00	1.10	---	---	---	---
		Left tilt	L	23.80	24.00	1.05	---	---	---	---
			M	23.90	24.00	1.02	0.071	---	0.072	---
			H	23.60	24.00	1.10	---	---	---	---
		Right Cheek	L	23.80	24.00	1.05	---	---	---	---
			M	23.90	24.00	1.02	0.113	---	0.115	---
			H	23.60	24.00	1.10	---	---	---	---
		Right tilt	L	23.80	24.00	1.05	---	---	---	---
			M	23.90	24.00	1.02	0.064	---	0.065	---
			H	23.60	24.00	1.10	---	---	---	---
	Body-worn	Back	L	23.80	24.00	1.05	---	---	---	---
			M	23.90	24.00	1.02	0.224	---	0.228	---
			H	23.60	24.00	1.10	---	---	---	---
		Front	L	23.80	24.00	1.05	---	---	---	---
			M	23.90	24.00	1.02	0.284	---	0.290	---
			H	23.60	24.00	1.10	---	---	---	---
	Hotspot	Back	L	23.80	24.00	1.05	---	---	---	---
			M	23.90	24.00	1.02	0.224	---	0.228	---
			H	23.60	24.00	1.10	---	---	---	---
		Front	L	23.80	24.00	1.05	---	---	---	---
			M	23.90	24.00	1.02	0.284	---	0.290	---
			H	23.60	24.00	1.10	---	---	---	---
		Top	L	23.80	24.00	1.05	---	---	---	---
			M	23.90	24.00	1.02	0.010	---	0.010	---
			H	23.60	24.00	1.10	---	---	---	---
		Bottom	L	23.80	24.00	1.05	---	---	---	---
			M	23.90	24.00	1.02	0.120	---	0.122	---
			H	23.60	24.00	1.10	---	---	---	---
		Left	L	23.80	24.00	1.05	---	---	---	---
			M	23.90	24.00	1.02	0.080	---	0.082	---
			H	23.60	24.00	1.10	---	---	---	---
		Right	L	23.80	24.00	1.05	---	---	---	---
			M	23.90	24.00	1.02	0.176	---	0.180	---
			H	23.60	24.00	1.10	---	---	---	---
	Limb	Back	L	23.80	24.00	1.05	---	---	---	---
			M	23.90	24.00	1.02	0.437	---	0.446	---
			H	23.60	24.00	1.10	---	---	---	---
		Front	L	23.80	24.00	1.05	---	---	---	---
			M	23.90	24.00	1.02	0.621	---	0.633	---
			H	23.60	24.00	1.10	---	---	---	---
		Top	L	23.80	24.00	1.05	---	---	---	---
			M	23.90	24.00	1.02	0.027	---	0.028	---

			H	23.60	24.00	1.10	---	---	---	---
		Bottom	L	23.80	24.00	1.05	---	---	---	---
			M	23.90	24.00	1.02	0.321	---	0.327	---
			H	23.60	24.00	1.10	---	---	---	---
		Left	L	23.80	24.00	1.05	---	---	---	---
			M	23.90	24.00	1.02	0.136	---	0.139	---
			H	23.60	24.00	1.10	---	---	---	---
		Right	L	23.80	24.00	1.05	---	---	---	---
			M	23.90	24.00	1.02	0.169	---	0.172	---
			H	23.60	24.00	1.10	---	---	---	---

Test case				Meas power(dBm)	Tune-up(dBm)	Scaling factor	Meas SAR(w/kg)		Report SAR(w/kg)	
NR38	Exposure condition	Position	Channel				First	Second	First	Second
π/2-BPSK	Head	Left Cheek	L	21.90	22.00	1.02	---	---	---	---
			M	22.00	22.00	1.00	0.120	---	0.120	---
			H	21.40	22.00	1.15	---	---	---	---
		Left tilt	L	21.90	22.00	1.02	---	---	---	---
			M	22.00	22.00	1.00	0.040	---	0.040	---
			H	21.40	22.00	1.15	---	---	---	---
		Right Cheek	L	21.90	22.00	1.02	---	---	---	---
			M	22.00	22.00	1.00	0.083	---	0.083	---
			H	21.40	22.00	1.15	---	---	---	---
		Right tilt	L	21.90	22.00	1.02	---	---	---	---
			M	22.00	22.00	1.00	0.024	---	0.024	---
			H	21.40	22.00	1.15	---	---	---	---
	Body-worn	Back	L	21.90	22.00	1.02	---	---	---	---
			M	22.00	22.00	1.00	0.204	---	0.204	---
			H	21.40	22.00	1.15	---	---	---	---
		Front	L	21.90	22.00	1.02	---	---	---	---
			M	22.00	22.00	1.00	0.262	---	0.262	---
			H	21.40	22.00	1.15	---	---	---	---
	Hotspot	Back	L	21.90	22.00	1.02	---	---	---	---
			M	22.00	22.00	1.00	0.204	---	0.204	---
			H	21.40	22.00	1.15	---	---	---	---
		Front	L	21.90	22.00	1.02	---	---	---	---
			M	22.00	22.00	1.00	0.262	---	0.262	---
			H	21.40	22.00	1.15	---	---	---	---
		Top	L	21.90	22.00	1.02	---	---	---	---
			M	22.00	22.00	1.00	0.010	---	0.010	---
			H	21.40	22.00	1.15	---	---	---	---
		Bottom	L	21.90	22.00	1.02	---	---	---	---
			M	22.00	22.00	1.00	0.059	---	0.059	---
			H	21.40	22.00	1.15	---	---	---	---
		Left	L	21.90	22.00	1.02	---	---	---	---
			M	22.00	22.00	1.00	0.030	---	0.030	---
			H	21.40	22.00	1.15	---	---	---	---
		Right	L	21.90	22.00	1.02	---	---	---	---
			M	22.00	22.00	1.00	0.285	---	0.285	---
			H	21.40	22.00	1.15	---	---	---	---
	Limb	Back	L	21.90	22.00	1.02	---	---	---	---
			M	22.00	22.00	1.00	0.478	---	0.478	---
			H	21.40	22.00	1.15	---	---	---	---
		Front	L	21.90	22.00	1.02	---	---	---	---
			M	22.00	22.00	1.00	0.811	---	0.811	---
			H	21.40	22.00	1.15	---	---	---	---
		Top	L	21.90	22.00	1.02	---	---	---	---
			M	22.00	22.00	1.00	0.038	---	0.038	---

			H	21.40	22.00	1.15	---	---	---	---
		Bottom	L	21.90	22.00	1.02	---	---	---	---
			M	22.00	22.00	1.00	0.104	---	0.104	---
			H	21.40	22.00	1.15	---	---	---	---
		Left	L	21.90	22.00	1.02	---	---	---	---
			M	22.00	22.00	1.00	0.070	---	0.070	---
			H	21.40	22.00	1.15	---	---	---	---
		Right	L	21.90	22.00	1.02	---	---	---	---
			M	22.00	22.00	1.00	0.850	---	0.850	---
			H	21.40	22.00	1.15	---	---	---	---

Test case				Meas power(dBm)	Tune-up(dBm)	Scaling factor	Meas SAR(w/kg)		Report SAR(w/kg)	
NR40	Exposure condition	Position	Channel				First	Second	First	Second
π/2-BPSK	Head	Left Cheek	L	22.20	22.50	1.07	---	---	---	---
			M	22.30	22.50	1.05	0.367	---	0.385	---
			H	22.10	22.50	1.10	---	---	---	---
		Left tilt	L	22.20	22.50	1.07	---	---	---	---
			M	22.30	22.50	1.05	0.345	---	0.362	---
			H	22.10	22.50	1.10	---	---	---	---
		Right Cheek	L	22.20	22.50	1.07	---	---	---	---
			M	22.30	22.50	1.05	0.457	---	0.480	---
			H	22.10	22.50	1.10	---	---	---	---
		Right tilt	L	22.20	22.50	1.07	---	---	---	---
			M	22.30	22.50	1.05	0.506	---	0.531	---
			H	22.10	22.50	1.10	---	---	---	---
	Body-worn	Back	L	22.20	22.50	1.07	---	---	---	---
			M	22.30	22.50	1.05	0.148	---	0.155	---
			H	22.10	22.50	1.10	---	---	---	---
		Front	L	22.20	22.50	1.07	---	---	---	---
			M	22.30	22.50	1.05	0.246	---	0.258	---
			H	22.10	22.50	1.10	---	---	---	---
	Hotspot	Back	L	22.20	22.50	1.07	---	---	---	---
			M	22.30	22.50	1.05	0.148	---	0.155	---
			H	22.10	22.50	1.10	---	---	---	---
		Front	L	22.20	22.50	1.07	---	---	---	---
			M	22.30	22.50	1.05	0.246	---	0.258	---
			H	22.10	22.50	1.10	---	---	---	---
		Top	L	22.20	22.50	1.07	---	---	---	---
			M	22.30	22.50	1.05	0.409	---	0.429	---
			H	22.10	22.50	1.10	---	---	---	---
		Bottom	L	22.20	22.50	1.07	---	---	---	---
			M	22.30	22.50	1.05	0.010	---	0.011	---
			H	22.10	22.50	1.10	---	---	---	---
		Left	L	22.20	22.50	1.07	---	---	---	---
			M	22.30	22.50	1.05	0.054	---	0.057	---
			H	22.10	22.50	1.10	---	---	---	---
		Right	L	22.20	22.50	1.07	---	---	---	---
			M	22.30	22.50	1.05	0.036	---	0.038	---
			H	22.10	22.50	1.10	---	---	---	---
	Limb	Back	L	22.20	22.50	1.07	---	---	---	---
			M	22.30	22.50	1.05	0.350	---	0.368	---
			H	22.10	22.50	1.10	---	---	---	---
		Front	L	22.20	22.50	1.07	---	---	---	---
			M	22.30	22.50	1.05	0.912	---	0.958	---
			H	22.10	22.50	1.10	---	---	---	---
		Top	L	22.20	22.50	1.07	---	---	---	---
			M	22.30	22.50	1.05	1.750	---	1.838	---

			H	22.10	22.50	1.10	---	---	---	---
		Bottom	L	22.20	22.50	1.07	---	---	---	---
			M	22.30	22.50	1.05	0.010	---	0.011	---
			H	22.10	22.50	1.10	---	---	---	---
		Left	L	22.20	22.50	1.07	---	---	---	---
			M	22.30	22.50	1.05	0.159	---	0.167	---
			H	22.10	22.50	1.10	---	---	---	---
		Right	L	22.20	22.50	1.07	---	---	---	---
			M	22.30	22.50	1.05	0.072	---	0.076	---
			H	22.10	22.50	1.10	---	---	---	---

Test case				Meas power(dBm)	Tune-up(dBm)	Scaling factor	Meas SAR(w/kg)		Report SAR(w/kg)	
NR48	Exposure condition	Position	Channel				First	Second	First	Second
π/2-BPSK	Head	Left Cheek	L	21.40	22.00	1.15	---	---	---	---
			M	21.80	22.00	1.05	0.532	---	0.559	---
			H	21.60	22.00	1.10	---	---	---	---
		Left tilt	L	21.40	22.00	1.15	---	---	---	---
			M	21.80	22.00	1.05	0.371	---	0.390	---
			H	21.60	22.00	1.10	---	---	---	---
		Right Cheek	L	21.40	22.00	1.15	---	---	---	---
			M	21.80	22.00	1.05	0.880	---	0.924	---
			H	21.60	22.00	1.10	---	---	---	---
		Right tilt	L	21.40	22.00	1.15	---	---	---	---
			M	21.80	22.00	1.05	0.695	---	0.730	---
			H	21.60	22.00	1.10	---	---	---	---
	Body-worn	Back	L	21.40	22.00	1.15	---	---	---	---
			M	21.80	22.00	1.05	0.269	---	0.282	---
			H	21.60	22.00	1.10	---	---	---	---
		Front	L	21.40	22.00	1.15	---	---	---	---
			M	21.80	22.00	1.05	0.396	---	0.416	---
			H	21.60	22.00	1.10	---	---	---	---
	Hotspot	Back	L	21.40	22.00	1.15	---	---	---	---
			M	21.80	22.00	1.05	0.269	---	0.282	---
			H	21.60	22.00	1.10	---	---	---	---
		Front	L	21.40	22.00	1.15	---	---	---	---
			M	21.80	22.00	1.05	0.396	---	0.416	---
			H	21.60	22.00	1.10	---	---	---	---
		Top	L	21.40	22.00	1.15	---	---	---	---
			M	21.80	22.00	1.05	0.329	---	0.345	---
			H	21.60	22.00	1.10	---	---	---	---
		Bottom	L	21.40	22.00	1.15	---	---	---	---
			M	21.80	22.00	1.05	0.010	---	0.011	---
			H	21.60	22.00	1.10	---	---	---	---
		Left	L	21.40	22.00	1.15	---	---	---	---
			M	21.80	22.00	1.05	0.223	---	0.234	---
			H	21.60	22.00	1.10	---	---	---	---
		Right	L	21.40	22.00	1.15	---	---	---	---
			M	21.80	22.00	1.05	0.029	---	0.030	---
			H	21.60	22.00	1.10	---	---	---	---
	Limb	Back	L	21.40	22.00	1.15	---	---	---	---
			M	21.80	22.00	1.05	0.269	---	0.282	---
			H	21.60	22.00	1.10	---	---	---	---
		Front	L	21.40	22.00	1.15	---	---	---	---
			M	21.80	22.00	1.05	0.396	---	0.416	---
			H	21.60	22.00	1.10	---	---	---	---
		Top	L	21.40	22.00	1.15	---	---	---	---
			M	21.80	22.00	1.05	0.329	---	0.345	---

			H	21.60	22.00	1.10	---	---	---	---
		Bottom	L	21.40	22.00	1.15	---	---	---	---
			M	21.80	22.00	1.05	0.010	---	0.011	---
			H	21.60	22.00	1.10	---	---	---	---
		Left	L	21.40	22.00	1.15	---	---	---	---
			M	21.80	22.00	1.05	0.223	---	0.234	---
			H	21.60	22.00	1.10	---	---	---	---
		Right	L	21.40	22.00	1.15	---	---	---	---
			M	21.80	22.00	1.05	0.029	---	0.030	---
			H	21.60	22.00	1.10	---	---	---	---

Secondary test

Test case				Meas power(dBm)	Tune-up(dBm)	Scaling factor	Meas SAR(w/kg)		Report SAR(w/kg)	
NR40	Exposure condition	Position	Channel				First	Second	First	Second
π/2-BPSK	Head	Left Cheek	L	22.20	22.50	1.07	---	---	---	---
		Left Cheek	M	22.30	22.50	1.05	0.324	---	0.340	---
		Left Cheek	H	22.10	22.50	1.10	---	---	---	---
		Left tilt	L	22.20	22.50	1.07	---	---	---	---
		Left tilt	M	22.30	22.50	1.05	0.332	---	0.349	---
		Left tilt	H	22.10	22.50	1.10	---	---	---	---
		Right Cheek	L	22.20	22.50	1.07	---	---	---	---
		Right Cheek	M	22.30	22.50	1.05	0.393	---	0.413	---
		Right Cheek	H	22.10	22.50	1.10	---	---	---	---
		Right tilt	L	22.20	22.50	1.07	---	---	---	---
		Right tilt	M	22.30	22.50	1.05	0.471	---	0.495	---
		Right tilt	H	22.10	22.50	1.10	---	---	---	---
	Body-worn	Back	L	22.20	22.50	1.07	---	---	---	---
		Back	M	22.30	22.50	1.05	0.136	---	0.143	---
		Back	H	22.10	22.50	1.10	---	---	---	---
		Front	L	22.20	22.50	1.07	---	---	---	---
		Front	M	22.30	22.50	1.05	0.221	---	0.232	---
		Front	H	22.10	22.50	1.10	---	---	---	---
	Hotspot	Back	L	22.20	22.50	1.07	---	---	---	---
		Back	M	22.30	22.50	1.05	0.136	---	0.143	---
		Back	H	22.10	22.50	1.10	---	---	---	---
		Front	L	22.20	22.50	1.07	---	---	---	---
		Front	M	22.30	22.50	1.05	0.221	---	0.232	---
		Front	H	22.10	22.50	1.10	---	---	---	---
		Top	L	22.20	22.50	1.07	---	---	---	---
		Top	M	22.30	22.50	1.05	0.392	---	0.412	---
		Top	H	22.10	22.50	1.10	---	---	---	---
		Bottom	L	22.20	22.50	1.07	---	---	---	---
		Bottom	M	22.30	22.50	1.05	0.010	---	0.011	---
		Bottom	H	22.10	22.50	1.10	---	---	---	---
		Left	L	22.20	22.50	1.07	---	---	---	---
		Left	M	22.30	22.50	1.05	0.066	---	0.069	---
		Left	H	22.10	22.50	1.10	---	---	---	---
		Right	L	22.20	22.50	1.07	---	---	---	---
		Right	M	22.30	22.50	1.05	0.032	---	0.034	---
		Right	H	22.10	22.50	1.10	---	---	---	---
	Limb	Back	L	22.20	22.50	1.07	---	---	---	---
		Back	M	22.30	22.50	1.05	0.331	---	0.348	---
		Back	H	22.10	22.50	1.10	---	---	---	---
		Front	L	22.20	22.50	1.07	---	---	---	---
		Front	M	22.30	22.50	1.05	0.734	---	0.771	---
		Front	H	22.10	22.50	1.10	---	---	---	---
		Top	L	22.20	22.50	1.07	---	---	---	---

		Top	M	22.30	22.50	1.05	1.390	---	1.460	---
		Top	H	22.10	22.50	1.10	---	---	---	---
		Bottom	L	22.20	22.50	1.07	---	---	---	---
		Bottom	M	22.30	22.50	1.05	0.010	---	0.011	---
		Bottom	H	22.10	22.50	1.10	---	---	---	---
		Left	L	22.20	22.50	1.07	---	---	---	---
		Left	M	22.30	22.50	1.05	0.169	---	0.177	---
		Left	H	22.10	22.50	1.10	---	---	---	---
		Right	L	22.20	22.50	1.07	---	---	---	---
		Right	M	22.30	22.50	1.05	0.059	---	0.062	---
		Right	H	22.10	22.50	1.10	---	---	---	---

Test case				Meas power(dBm)	Tune-up(dBm)	Scaling factor	Meas SAR(w/kg)		Report SAR(w/kg)	
NR48	Exposure condition	Position	Channel				First	Second	First	Second
π/2-BPSK	Head	Left Cheek	L	21.40	22.00	1.15	---	---	---	---
		Left Cheek	M	21.80	22.00	1.05	0.651	---	0.684	---
		Left Cheek	H	21.60	22.00	1.10	---	---	---	---
		Left tilt	L	21.40	22.00	1.15	---	---	---	---
		Left tilt	M	21.80	22.00	1.05	0.533	---	0.560	---
		Left tilt	H	21.60	22.00	1.10	---	---	---	---
		Right Cheek	L	21.40	22.00	1.15	---	---	---	---
		Right Cheek	M	21.80	22.00	1.05	0.845	---	0.887	---
		Right Cheek	H	21.60	22.00	1.10	---	---	---	---
		Right tilt	L	21.40	22.00	1.15	---	---	---	---
		Right tilt	M	21.80	22.00	1.05	0.711	---	0.747	---
		Right tilt	H	21.60	22.00	1.10	---	---	---	---
	Body-worn	Back	L	21.40	22.00	1.15	---	---	---	---
		Back	M	21.80	22.00	1.05	0.239	---	0.251	---
		Back	H	21.60	22.00	1.10	---	---	---	---
		Front	L	21.40	22.00	1.15	---	---	---	---
		Front	M	21.80	22.00	1.05	0.553	---	0.581	---
		Front	H	21.60	22.00	1.10	---	---	---	---
	Hotspot	Back	L	21.40	22.00	1.15	---	---	---	---
		Back	M	21.80	22.00	1.05	0.239	---	0.251	---
		Back	H	21.60	22.00	1.10	---	---	---	---
		Front	L	21.40	22.00	1.15	---	---	---	---
		Front	M	21.80	22.00	1.05	0.553	---	0.581	---
		Front	H	21.60	22.00	1.10	---	---	---	---
		Top	L	21.40	22.00	1.15	---	---	---	---
		Top	M	21.80	22.00	1.05	0.331	---	0.348	---
		Top	H	21.60	22.00	1.10	---	---	---	---
		Bottom	L	21.40	22.00	1.15	---	---	---	---
		Bottom	M	21.80	22.00	1.05	0.010	---	0.011	---
		Bottom	H	21.60	22.00	1.10	---	---	---	---
		Left	L	21.40	22.00	1.15	---	---	---	---

		Left	M	21.80	22.00	1.05	0.138	---	0.145	---
		Left	H	21.60	22.00	1.10	---	---	---	---
		Right	L	21.40	22.00	1.15	---	---	---	---
		Right	M	21.80	22.00	1.05	0.035	---	0.037	---
		Right	H	21.60	22.00	1.10	---	---	---	---
	Limb	Back	L	21.40	22.00	1.15	---	---	---	---
		Back	M	21.80	22.00	1.05	0.668	---	0.701	---
		Back	H	21.60	22.00	1.10	---	---	---	---
		Front	L	21.40	22.00	1.15	---	---	---	---
		Front	M	21.80	22.00	1.05	1.300	---	1.365	---
		Front	H	21.60	22.00	1.10	---	---	---	---
		Top	L	21.40	22.00	1.15	---	---	---	---
		Top	M	21.80	22.00	1.05	1.020	---	1.071	---
		Top	H	21.60	22.00	1.10	---	---	---	---
		Bottom	L	21.40	22.00	1.15	---	---	---	---
		Bottom	M	21.80	22.00	1.05	0.010	---	0.011	---
		Bottom	H	21.60	22.00	1.10	---	---	---	---
		Left	L	21.40	22.00	1.15	---	---	---	---
		Left	M	21.80	22.00	1.05	0.346	---	0.363	---
		Left	H	21.60	22.00	1.10	---	---	---	---
		Right	L	21.40	22.00	1.15	---	---	---	---
		Right	M	21.80	22.00	1.05	0.051	---	0.054	---
		Right	H	21.60	22.00	1.10	---	---	---	---

Test case				Meas power(dBm)	Tune-up(dBm)	Scaling factor	Meas SAR(w/kg)		Report SAR(w/kg)	
NR77	Exposure condition	Position	Channel				First	Second	First	Second
π/2-BPSK	Head	Left touch	L	21.90	22.00	1.02	---	---	---	---
			L-M1	---	22.00	---	---	---	---	---
			L-M2	---	---	---	---	---	---	---
			M	22.00	22.00	1.00	0.644	---	0.644	---
			M-H1	---	22.00	---	---	---	---	---
			M-H2	---	---	---	---	---	---	---
			H	21.80	22.00	1.05	---	---	---	---
		Left tilt	L	21.90	22.00	1.02	---	---	---	---
			L-M1	---	22.00	---	---	---	---	---
			L-M2	---	---	---	---	---	---	---
			M	22.00	22.00	1.00	0.362	---	0.362	---
			M-H1	---	22.00	---	---	---	---	---
			M-H2	---	---	---	---	---	---	---
			H	21.80	22.00	1.05	---	---	---	---
		Right touch	L	21.90	22.00	1.02	---	---	---	---
			L-M1	---	22.00	---	---	---	---	---
			L-M2	---	---	---	---	---	---	---
			M	22.00	22.00	1.00	0.754	---	0.754	---
			M-H1	---	22.00	---	---	---	---	---
			M-H2	---	---	---	---	---	---	---
			H	21.80	22.00	1.05	---	---	---	---
		Right tilt	L	21.90	22.00	1.02	---	---	---	---
			L-M1	---	22.00	---	---	---	---	---
			L-M2	---	---	---	---	---	---	---
			M	22.00	22.00	1.00	0.615	---	0.615	---
			M-H1	---	22.00	---	---	---	---	---
			M-H2	---	---	---	---	---	---	---
			H	21.80	22.00	1.05	---	---	---	---
	Body-worn	Back	L	21.90	22.00	1.02	---	---	---	---
			L-M1	---	22.00	---	---	---	---	---
			L-M2	---	---	---	---	---	---	---
			M	22.00	22.00	1.00	0.173	---	0.173	---
			M-H1	---	22.00	---	---	---	---	---
			M-H2	---	---	---	---	---	---	---
			H	21.80	22.00	1.05	---	---	---	---
		Front	L	21.90	22.00	1.02	---	---	---	---
			L-M1	---	22.00	---	---	---	---	---
			L-M2	---	---	---	---	---	---	---
			M	22.00	22.00	1.00	0.345	---	0.345	---
			M-H1	---	22.00	---	---	---	---	---
			M-H2	---	---	---	---	---	---	---
			H	21.80	22.00	1.05	---	---	---	---
	Hotspot	Back	L	21.90	22.00	1.02	---	---	---	---
			L-M1	---	22.00	---	---	---	---	---

			L-M2	---	---	---	---	---	---	---
			M	22.00	22.00	1.00	0.173	---	0.173	---
			M-H1	---	22.00	---	---	---	---	---
			M-H2	---	---	---	---	---	---	---
			H	21.80	22.00	1.05	---	---	---	---
		Front	L	21.90	22.00	1.02	---	---	---	---
			L-M1	---	22.00	---	---	---	---	---
			L-M2	---	---	---	---	---	---	---
			M	22.00	22.00	1.00	0.345	---	0.345	---
			M-H1	---	22.00	---	---	---	---	---
			M-H2	---	---	---	---	---	---	---
			H	21.80	22.00	1.05	---	---	---	---
		Top	L	21.90	22.00	1.02	---	---	---	---
			L-M1	---	22.00	---	---	---	---	---
			L-M2	---	---	---	---	---	---	---
			M	22.00	22.00	1.00	0.272	---	0.272	---
			M-H1	---	22.00	---	---	---	---	---
			M-H2	---	---	---	---	---	---	---
			H	21.80	22.00	1.05	---	---	---	---
		Bottom	L	21.90	22.00	1.02	---	---	---	---
			L-M1	---	22.00	---	---	---	---	---
			L-M2	---	---	---	---	---	---	---
			M	22.00	22.00	1.00	0.010	---	0.010	---
			M-H1	---	22.00	---	---	---	---	---
			M-H2	---	---	---	---	---	---	---
			H	21.80	22.00	1.05	---	---	---	---
		Left	L	21.90	22.00	1.02	---	---	---	---
			L-M1	---	22.00	---	---	---	---	---
			L-M2	---	---	---	---	---	---	---
			M	22.00	22.00	1.00	0.134	---	0.134	---
			M-H1	---	22.00	---	---	---	---	---
			M-H2	---	---	---	---	---	---	---
			H	21.80	22.00	1.05	---	---	---	---
		Right	L	21.90	22.00	1.02	---	---	---	---
			L-M1	---	22.00	---	---	---	---	---
			L-M2	---	---	---	---	---	---	---
			M	22.00	22.00	1.00	0.025	---	0.025	---
			M-H1	---	22.00	---	---	---	---	---
			M-H2	---	---	---	---	---	---	---
			H	21.80	22.00	1.05	---	---	---	---
	Limb	Back	L	21.90	22.00	1.02	---	---	---	---
			L-M1	---	22.00	---	---	---	---	---
			L-M2	---	---	---	---	---	---	---
			M	22.00	22.00	1.00	0.458	---	0.458	---
			M-H1	---	22.00	---	---	---	---	---
			M-H2	---	---	---	---	---	---	---
			H	21.80	22.00	1.05	---	---	---	---

		Front	L	21.90	22.00	1.02	---	---	---	---
			L-M1	---	22.00	---	---	---	---	---
			L-M2	---	---	---	---	---	---	---
			M	22.00	22.00	1.00	1.230	---	1.230	---
			M-H1	---	22.00	---	---	---	---	---
			M-H2	---	---	---	---	---	---	---
			H	21.80	22.00	1.05	---	---	---	---
		Top	L	21.90	22.00	1.02	---	---	---	---
			L-M1	---	22.00	---	---	---	---	---
			L-M2	---	---	---	---	---	---	---
			M	22.00	22.00	1.00	0.853	---	0.853	---
			M-H1	---	22.00	---	---	---	---	---
			M-H2	---	---	---	---	---	---	---
			H	21.80	22.00	1.05	---	---	---	---
		Bottom	L	21.90	22.00	1.02	---	---	---	---
			L-M1	---	22.00	---	---	---	---	---
			L-M2	---	---	---	---	---	---	---
			M	22.00	22.00	1.00	0.364	---	0.364	---
			M-H1	---	22.00	---	---	---	---	---
			M-H2	---	---	---	---	---	---	---
			H	21.80	22.00	1.05	---	---	---	---
		Left	L	21.90	22.00	1.02	---	---	---	---
			L-M1	---	22.00	---	---	---	---	---
			L-M2	---	---	---	---	---	---	---
			M	22.00	22.00	1.00	0.366	---	0.366	---
			M-H1	---	22.00	---	---	---	---	---
			M-H2	---	---	---	---	---	---	---
			H	21.80	22.00	1.05	---	---	---	---
		Right	L	21.90	22.00	1.02	---	---	---	---
			L-M1	---	22.00	---	---	---	---	---
			L-M2	---	---	---	---	---	---	---
			M	22.00	22.00	1.00	0.035	---	0.035	---
			M-H1	---	22.00	---	---	---	---	---
			M-H2	---	---	---	---	---	---	---
			H	21.80	22.00	1.05	---	---	---	---

Test case				Meas power(dBm)	Tune-up(dBm)	Scaling factor	Meas SAR(w/kg)		Report SAR(w/kg)	
NR78	Exposure condition	Position	Channel				First	Second	First	Second
π/2-BPSK	Head	Left touch	L	22.40	22.50	1.02	---	---	---	---
			L-M	---	22.50	---	---	---	---	---
			M	22.50	22.50	1.00	0.233	---	0.233	---
			M-H	---	22.50	---	---	---	---	---
			H	22.30	22.50	1.05	---	---	---	---
		Left tilt	L	22.40	22.50	1.02	---	---	---	---
			L-M	---	22.50	---	---	---	---	---
			M	22.50	22.50	1.00	0.259	---	0.259	---
			M-H	---	22.50	---	---	---	---	---
			H	22.30	22.50	1.05	---	---	---	---
		Right touch	L	22.40	22.50	1.02	---	---	---	---
			L-M	---	22.50	---	---	---	---	---
			M	22.50	22.50	1.00	0.440	---	0.440	---
			M-H	---	22.50	---	---	---	---	---
			H	22.30	22.50	1.05	---	---	---	---
		Right tilt	L	22.40	22.50	1.02	---	---	---	---
			L-M	---	22.50	---	---	---	---	---
			M	22.50	22.50	1.00	0.344	---	0.344	---
			M-H	---	22.50	---	---	---	---	---
			H	22.30	22.50	1.05	---	---	---	---
	Body-worn	Back	L	22.40	22.50	1.02	---	---	---	---
			L-M	---	22.50	---	---	---	---	---
			M	22.50	22.50	1.00	0.228	---	0.228	---
			M-H	---	22.50	---	---	---	---	---
			H	22.30	22.50	1.05	---	---	---	---
		Front	L	22.40	22.50	1.02	---	---	---	---
			L-M	---	22.50	---	---	---	---	---
			M	22.50	22.50	1.00	0.196	---	0.196	---
			M-H	---	22.50	---	---	---	---	---
			H	22.30	22.50	1.05	---	---	---	---
	Hotspot	Back	L	22.40	22.50	1.02	---	---	---	---
			L-M	---	22.50	---	---	---	---	---
			M	22.50	22.50	1.00	0.228	---	0.228	---
			M-H	---	22.50	---	---	---	---	---
			H	22.30	22.50	1.05	---	---	---	---
		Front	L	22.40	22.50	1.02	---	---	---	---
			L-M	---	22.50	---	---	---	---	---
			M	22.50	22.50	1.00	0.196	---	0.196	---
			M-H	---	22.50	---	---	---	---	---
			H	22.30	22.50	1.05	---	---	---	---
		Top	L	22.40	22.50	1.02	---	---	---	---
			L-M	---	22.50	---	---	---	---	---
			M	22.50	22.50	1.00	0.274	---	0.274	---
			M-H	---	22.50	---	---	---	---	---

			H	22.30	22.50	1.05	---	---	---	---
		Bottom	L	22.40	22.50	1.02	---	---	---	---
			L-M	---	22.50	---	---	---	---	---
			M	22.50	22.50	1.00	0.010	---	0.010	---
			M-H	---	22.50	---	---	---	---	---
			H	22.30	22.50	1.05	---	---	---	---
		Left	L	22.40	22.50	1.02	---	---	---	---
			L-M	---	22.50	---	---	---	---	---
			M	22.50	22.50	1.00	0.153	---	0.153	---
			M-H	---	22.50	---	---	---	---	---
			H	22.30	22.50	1.05	---	---	---	---
		Right	L	22.40	22.50	1.02	---	---	---	---
			L-M	---	22.50	---	---	---	---	---
			M	22.50	22.50	1.00	0.024	---	0.024	---
			M-H	---	22.50	---	---	---	---	---
			H	22.30	22.50	1.05	---	---	---	---
	Limb	Back	L	22.40	22.50	1.02	---	---	---	---
			L-M	---	22.50	---	---	---	---	---
			M	22.50	22.50	1.00	0.659	---	0.659	---
			M-H	---	22.50	---	---	---	---	---
			H	22.30	22.50	1.05	---	---	---	---
		Front	L	22.40	22.50	1.02	---	---	---	---
			L-M	---	22.50	---	---	---	---	---
			M	22.50	22.50	1.00	0.710	---	0.710	---
			M-H	---	22.50	---	---	---	---	---
			H	22.30	22.50	1.05	---	---	---	---
		Top	L	22.40	22.50	1.02	---	---	---	---
			L-M	---	22.50	---	---	---	---	---
			M	22.50	22.50	1.00	0.698	---	0.698	---
			M-H	---	22.50	---	---	---	---	---
			H	22.30	22.50	1.05	---	---	---	---
		Bottom	L	22.40	22.50	1.02	---	---	---	---
			L-M	---	22.50	---	---	---	---	---
			M	22.50	22.50	1.00	0.010	---	0.010	---
			M-H	---	22.50	---	---	---	---	---
			H	22.30	22.50	1.05	---	---	---	---
		Left	L	22.40	22.50	1.02	---	---	---	---
			L-M	---	22.50	---	---	---	---	---
			M	22.50	22.50	1.00	0.463	---	0.463	---
			M-H	---	22.50	---	---	---	---	---
			H	22.30	22.50	1.05	---	---	---	---
		Right	L	22.40	22.50	1.02	---	---	---	---
			L-M	---	22.50	---	---	---	---	---
			M	22.50	22.50	1.00	0.310	---	0.310	---
			M-H	---	22.50	---	---	---	---	---
			H	22.30	22.50	1.05	---	---	---	---

7.2.2 Licensed SISO2

Test case				Meas power(dBm)	Tune-up(dBm)	Scaling factor	Meas SAR(w/kg)		Report SAR(w/kg)	
GSM900	Exposure condition	Position	Channel				First	Second	First	Second
GPRS/EDGE GMSK	Head	Left Cheek	L	31.91	32.50	1.15	---	---	---	---
			M	32.36	32.50	1.03	0.186	---	0.192	---
			H	32.40	32.50	1.02	---	---	---	---
		Left tilt	L	31.91	32.50	1.15	---	---	---	---
			M	32.36	32.50	1.03	0.045	---	0.046	---
			H	32.40	32.50	1.02	---	---	---	---
		Right Cheek	L	31.91	32.50	1.15	---	---	---	---
			M	32.36	32.50	1.03	0.258	---	0.266	---
			H	32.40	32.50	1.02	---	---	---	---
		Right tilt	L	31.91	32.50	1.15	---	---	---	---
			M	32.36	32.50	1.03	0.054	---	0.056	---
			H	32.40	32.50	1.02	---	---	---	---
	Body-worn	Back	L	31.91	32.50	1.15	---	---	---	---
			M	32.36	32.50	1.03	0.250	---	0.258	---
			H	32.40	32.50	1.02	---	---	---	---
		Front	L	31.91	32.50	1.15	---	---	---	---
			M	32.36	32.50	1.03	0.319	---	0.329	---
			H	32.40	32.50	1.02	---	---	---	---
	Hotspot	Back	L	31.91	32.50	1.15	---	---	---	---
			M	32.36	32.50	1.03	0.250	---	0.258	---
			H	32.40	32.50	1.02	---	---	---	---
		Front	L	31.91	32.50	1.15	---	---	---	---
			M	32.36	32.50	1.03	0.319	---	0.329	---
			H	32.40	32.50	1.02	---	---	---	---
		Top	L	31.91	32.50	1.15	---	---	---	---
			M	32.36	32.50	1.03	0.010	---	0.010	---
			H	32.40	32.50	1.02	---	---	---	---
		Bottom	L	31.91	32.50	1.15	---	---	---	---
			M	32.36	32.50	1.03	0.025	---	0.026	---
			H	32.40	32.50	1.02	---	---	---	---
		Left	L	31.91	32.50	1.15	---	---	---	---
			M	32.36	32.50	1.03	0.409	---	0.421	---
			H	32.40	32.50	1.02	---	---	---	---
		Right	L	31.91	32.50	1.15	---	---	---	---
			M	32.36	32.50	1.03	0.010	---	0.010	---
			H	32.40	32.50	1.02	---	---	---	---
	Limb	Back	L	31.91	32.50	1.15	---	---	---	---
			M	32.36	32.50	1.03	0.473	---	0.487	---
			H	32.40	32.50	1.02	---	---	---	---
		Front	L	31.91	32.50	1.15	---	---	---	---
			M	32.36	32.50	1.03	0.718	---	0.740	---
			H	32.40	32.50	1.02	---	---	---	---
		Top	L	31.91	32.50	1.15	---	---	---	---
			M	32.36	32.50	1.03	0.028	---	0.029	---

			H	32.40	32.50	1.02	---	---	---	---
		Bottom	L	31.91	32.50	1.15	---	---	---	---
			M	32.36	32.50	1.03	0.041	---	0.042	---
			H	32.40	32.50	1.02	---	---	---	---
		Left	L	31.91	32.50	1.15	---	---	---	---
			M	32.36	32.50	1.03	0.626	---	0.645	---
			H	32.40	32.50	1.02	---	---	---	---
		Right	L	31.91	32.50	1.15	---	---	---	---
			M	32.36	32.50	1.03	0.010	---	0.010	---
			H	32.40	32.50	1.02	---	---	---	---

Test case				Meas power(dBm)	Tune-up(dBm)	Scaling factor	Meas SAR(w/kg)		Report SAR(w/kg)	
GSM1800	Exposure condition	Position	Channel				First	Second	First	Second
GPRS/EDGE GMSK	Head	Left Cheek	L	25.51	26.50	1.26	---	---	---	---
			M	26.18	26.50	1.08	0.032	---	0.035	---
			H	26.46	26.50	1.01	---	---	---	---
		Left tilt	L	25.51	26.50	1.26	---	---	---	---
			M	26.18	26.50	1.08	0.010	---	0.011	---
			H	26.46	26.50	1.01	---	---	---	---
		Right Cheek	L	25.51	26.50	1.26	---	---	---	---
			M	26.18	26.50	1.08	0.049	---	0.053	---
			H	26.46	26.50	1.01	---	---	---	---
		Right tilt	L	25.51	26.50	1.26	---	---	---	---
			M	26.18	26.50	1.08	0.010	---	0.011	---
			H	26.46	26.50	1.01	---	---	---	---
	Body-worn	Back	L	25.51	26.50	1.26	---	---	---	---
			M	26.18	26.50	1.08	0.122	---	0.132	---
			H	26.46	26.50	1.01	---	---	---	---
		Front	L	25.51	26.50	1.26	---	---	---	---
			M	26.18	26.50	1.08	0.136	---	0.147	---
			H	26.46	26.50	1.01	---	---	---	---
	Hotspot	Back	L	25.51	26.50	1.26	---	---	---	---
			M	26.18	26.50	1.08	0.122	---	0.132	---
			H	26.46	26.50	1.01	---	---	---	---
		Front	L	25.51	26.50	1.26	---	---	---	---
			M	26.18	26.50	1.08	0.136	---	0.147	---
			H	26.46	26.50	1.01	---	---	---	---
		Top	L	25.51	26.50	1.26	---	---	---	---
			M	26.18	26.50	1.08	0.010	---	0.011	---
			H	26.46	26.50	1.01	---	---	---	---
		Bottom	L	25.51	26.50	1.26	---	---	---	---
			M	26.18	26.50	1.08	0.010	---	0.011	---
			H	26.46	26.50	1.01	---	---	---	---
		Left	L	25.51	26.50	1.26	---	---	---	---
			M	26.18	26.50	1.08	0.010	---	0.011	---
			H	26.46	26.50	1.01	---	---	---	---
		Right	L	25.51	26.50	1.26	---	---	---	---
			M	26.18	26.50	1.08	0.149	---	0.161	---
			H	26.46	26.50	1.01	---	---	---	---
	Limb	Back	L	25.51	26.50	1.26	---	---	---	---
			M	26.18	26.50	1.08	0.375	---	0.405	---
			H	26.46	26.50	1.01	---	---	---	---
		Front	L	25.51	26.50	1.26	---	---	---	---
			M	26.18	26.50	1.08	0.448	---	0.484	---
			H	26.46	26.50	1.01	---	---	---	---
		Top	L	25.51	26.50	1.26	---	---	---	---
			M	26.18	26.50	1.08	0.010	---	0.011	---

			H	26.46	26.50	1.01	---	---	---	---
		Bottom	L	25.51	26.50	1.26	---	---	---	---
			M	26.18	26.50	1.08	0.026	---	0.028	---
			H	26.46	26.50	1.01	---	---	---	---
		Left	L	25.51	26.50	1.26	---	---	---	---
			M	26.18	26.50	1.08	0.010	---	0.011	---
			H	26.46	26.50	1.01	---	---	---	---
		Right	L	25.51	26.50	1.26	---	---	---	---
			M	26.18	26.50	1.08	0.465	---	0.502	---
			H	26.46	26.50	1.01	---	---	---	---

Test case				Meas power(dBm)	Tune-up(dBm)	Scaling factor	Meas SAR(w/kg)		Report SAR(w/kg)	
WCDMA I	Exposure condition	Position	Channel				First	Second	First	Second
RMC	Head	Left Cheek	L	19.65	20.00	1.08	---	---	---	---
			M	19.49	20.00	1.12	0.067	---	0.075	---
			H	19.36	20.00	1.16	---	---	---	---
		Left tilt	L	19.65	20.00	1.08	---	---	---	---
			M	19.49	20.00	1.12	0.021	---	0.024	---
			H	19.36	20.00	1.16	---	---	---	---
		Right Cheek	L	19.65	20.00	1.08	---	---	---	---
			M	19.49	20.00	1.12	0.106	---	0.119	---
			H	19.36	20.00	1.16	---	---	---	---
		Right tilt	L	19.65	20.00	1.08	---	---	---	---
			M	19.49	20.00	1.12	0.036	---	0.040	---
			H	19.36	20.00	1.16	---	---	---	---
	Body-worn	Back	L	19.65	20.00	1.08	---	---	---	---
			M	19.49	20.00	1.12	0.255	---	0.286	---
			H	19.36	20.00	1.16	---	---	---	---
		Front	L	19.65	20.00	1.08	---	---	---	---
			M	19.49	20.00	1.12	0.293	---	0.328	---
			H	19.36	20.00	1.16	---	---	---	---
	Hotspot	Back	L	19.65	20.00	1.08	---	---	---	---
			M	19.49	20.00	1.12	0.255	---	0.286	---
			H	19.36	20.00	1.16	---	---	---	---
		Front	L	19.65	20.00	1.08	---	---	---	---
			M	19.49	20.00	1.12	0.293	---	0.328	---
			H	19.36	20.00	1.16	---	---	---	---
		Top	L	19.65	20.00	1.08	---	---	---	---
			M	19.49	20.00	1.12	0.028	---	0.031	---
			H	19.36	20.00	1.16	---	---	---	---
		Bottom	L	19.65	20.00	1.08	---	---	---	---
			M	19.49	20.00	1.12	0.062	---	0.069	---
			H	19.36	20.00	1.16	---	---	---	---
		Left	L	19.65	20.00	1.08	---	---	---	---
			M	19.49	20.00	1.12	0.010	---	0.011	---
			H	19.36	20.00	1.16	---	---	---	---
		Right	L	19.65	20.00	1.08	---	---	---	---
			M	19.49	20.00	1.12	0.352	---	0.394	---
			H	19.36	20.00	1.16	---	---	---	---
	Limb	Back	L	19.65	20.00	1.08	---	---	---	---
			M	19.49	20.00	1.12	0.714	---	0.800	---
			H	19.36	20.00	1.16	---	---	---	---
		Front	L	19.65	20.00	1.08	---	---	---	---
			M	19.49	20.00	1.12	0.771	---	0.864	---
			H	19.36	20.00	1.16	---	---	---	---
		Top	L	19.65	20.00	1.08	---	---	---	---
			M	19.49	20.00	1.12	0.051	---	0.057	---

			H	19.36	20.00	1.16	---	---	---	---
		Bottom	L	19.65	20.00	1.08	---	---	---	---
			M	19.49	20.00	1.12	0.085	---	0.095	---
			H	19.36	20.00	1.16	---	---	---	---
		Left	L	19.65	20.00	1.08	---	---	---	---
			M	19.49	20.00	1.12	0.023	---	0.026	---
			H	19.36	20.00	1.16	---	---	---	---
		Right	L	19.65	20.00	1.08	---	---	---	---
			M	19.49	20.00	1.12	1.120	---	1.254	---
			H	19.36	20.00	1.16	---	---	---	---

Test case				Meas power(dBm)	Tune-up(dBm)	Scaling factor	Meas SAR(w/kg)		Report SAR(w/kg)	
WCDMA VIII	Exposure condition	Position	Channel				First	Second	First	Second
RMC	Head	Left Cheek	L	22.73	23.00	1.06	---	---	---	---
			M	22.78	23.00	1.05	0.324	---	0.340	---
			H	22.76	23.00	1.06	---	---	---	---
		Left tilt	L	22.73	23.00	1.06	---	---	---	---
			M	22.78	23.00	1.05	0.032	---	0.034	---
			H	22.76	23.00	1.06	---	---	---	---
		Right Cheek	L	22.73	23.00	1.06	---	---	---	---
			M	22.78	23.00	1.05	0.306	---	0.321	---
			H	22.76	23.00	1.06	---	---	---	---
		Right tilt	L	22.73	23.00	1.06	---	---	---	---
			M	22.78	23.00	1.05	0.056	---	0.059	---
			H	22.76	23.00	1.06	---	---	---	---
	Body-worn	Back	L	22.73	23.00	1.06	---	---	---	---
			M	22.78	23.00	1.05	0.306	---	0.321	---
			H	22.76	23.00	1.06	---	---	---	---
		Front	L	22.73	23.00	1.06	---	---	---	---
			M	22.78	23.00	1.05	0.363	---	0.381	---
			H	22.76	23.00	1.06	---	---	---	---
	Hotspot	Back	L	22.73	23.00	1.06	---	---	---	---
			M	22.78	23.00	1.05	0.306	---	0.321	---
			H	22.76	23.00	1.06	---	---	---	---
		Front	L	22.73	23.00	1.06	---	---	---	---
			M	22.78	23.00	1.05	0.363	---	0.381	---
			H	22.76	23.00	1.06	---	---	---	---
		Top	L	22.73	23.00	1.06	---	---	---	---
			M	22.78	23.00	1.05	0.010	---	0.011	---
			H	22.76	23.00	1.06	---	---	---	---
		Bottom	L	22.73	23.00	1.06	---	---	---	---
			M	22.78	23.00	1.05	0.031	---	0.033	---
			H	22.76	23.00	1.06	---	---	---	---
		Left	L	22.73	23.00	1.06	---	---	---	---
			M	22.78	23.00	1.05	0.407	---	0.427	---
			H	22.76	23.00	1.06	---	---	---	---
		Right	L	22.73	23.00	1.06	---	---	---	---
			M	22.78	23.00	1.05	0.010	---	0.011	---
			H	22.76	23.00	1.06	---	---	---	---
	Limb	Back	L	22.73	23.00	1.06	---	---	---	---
			M	22.78	23.00	1.05	0.552	---	0.580	---
			H	22.76	23.00	1.06	---	---	---	---
		Front	L	22.73	23.00	1.06	---	---	---	---
			M	22.78	23.00	1.05	0.722	---	0.758	---
			H	22.76	23.00	1.06	---	---	---	---
		Top	L	22.73	23.00	1.06	---	---	---	---
			M	22.78	23.00	1.05	0.032	---	0.034	---

			H	22.76	23.00	1.06	---	---	---	---
		Bottom	L	22.73	23.00	1.06	---	---	---	---
			M	22.78	23.00	1.05	0.049	---	0.051	---
			H	22.76	23.00	1.06	---	---	---	---
		Left	L	22.73	23.00	1.06	---	---	---	---
			M	22.78	23.00	1.05	0.679	---	0.713	---
			H	22.76	23.00	1.06	---	---	---	---
		Right	L	22.73	23.00	1.06	---	---	---	---
			M	22.78	23.00	1.05	0.010	---	0.011	---
			H	22.76	23.00	1.06	---	---	---	---

Test case				Meas power(dBm)	Tune-up(dBm)	Scaling factor	Meas SAR(w/kg)		Report SAR(w/kg)	
LTE1	Exposure condition	Position	Channel				First	Second	First	Second
QPSK	Head	Left Cheek	L	19.84	20.00	1.04	---	---	---	---
			M	19.65	20.00	1.08	0.088	---	0.095	---
			H	19.45	20.00	1.14	---	---	---	---
		Left tilt	L	19.84	20.00	1.04	---	---	---	---
			M	19.65	20.00	1.08	0.035	---	0.038	---
			H	19.45	20.00	1.14	---	---	---	---
		Right Cheek	L	19.84	20.00	1.04	---	---	---	---
			M	19.65	20.00	1.08	0.092	---	0.099	---
			H	19.45	20.00	1.14	---	---	---	---
		Right tilt	L	19.84	20.00	1.04	---	---	---	---
			M	19.65	20.00	1.08	0.027	---	0.029	---
			H	19.45	20.00	1.14	---	---	---	---
	Body-worn	Back	L	19.84	20.00	1.04	---	---	---	---
			M	19.65	20.00	1.08	0.224	---	0.242	---
			H	19.45	20.00	1.14	---	---	---	---
		Front	L	19.84	20.00	1.04	---	---	---	---
			M	19.65	20.00	1.08	0.241	---	0.260	---
			H	19.45	20.00	1.14	---	---	---	---
	Hotspot	Back	L	19.84	20.00	1.04	---	---	---	---
			M	19.65	20.00	1.08	0.224	---	0.242	---
			H	19.45	20.00	1.14	---	---	---	---
		Front	L	19.84	20.00	1.04	---	---	---	---
			M	19.65	20.00	1.08	0.241	---	0.260	---
			H	19.45	20.00	1.14	---	---	---	---
		Top	L	19.84	20.00	1.04	---	---	---	---
			M	19.65	20.00	1.08	0.010	---	0.011	---
			H	19.45	20.00	1.14	---	---	---	---
		Bottom	L	19.84	20.00	1.04	---	---	---	---
			M	19.65	20.00	1.08	0.058	---	0.063	---
			H	19.45	20.00	1.14	---	---	---	---
		Left	L	19.84	20.00	1.04	---	---	---	---
			M	19.65	20.00	1.08	0.010	---	0.011	---
			H	19.45	20.00	1.14	---	---	---	---
		Right	L	19.84	20.00	1.04	---	---	---	---
			M	19.65	20.00	1.08	0.320	---	0.346	---
			H	19.45	20.00	1.14	---	---	---	---
	Limb	Back	L	19.84	20.00	1.04	---	---	---	---
			M	19.65	20.00	1.08	0.636	---	0.687	---
			H	19.45	20.00	1.14	---	---	---	---
		Front	L	19.84	20.00	1.04	---	---	---	---
			M	19.65	20.00	1.08	0.684	---	0.739	---
			H	19.45	20.00	1.14	---	---	---	---
		Top	L	19.84	20.00	1.04	---	---	---	---
			M	19.65	20.00	1.08	0.043	---	0.046	---

			H	19.45	20.00	1.14	---	---	---	---
		Bottom	L	19.84	20.00	1.04	---	---	---	---
			M	19.65	20.00	1.08	0.077	---	0.083	---
			H	19.45	20.00	1.14	---	---	---	---
		Left	L	19.84	20.00	1.04	---	---	---	---
			M	19.65	20.00	1.08	0.023	---	0.025	---
			H	19.45	20.00	1.14	---	---	---	---
		Right	L	19.84	20.00	1.04	---	---	---	---
			M	19.65	20.00	1.08	0.963	---	1.040	---
			H	19.45	20.00	1.14	---	---	---	---

Test case				Meas power(dBm)	Tune-up(dBm)	Scaling factor	Meas SAR(w/kg)		Report SAR(w/kg)	
LTE3	Exposure condition	Position	Channel				First	Second	First	Second
QPSK	Head	Left Cheek	L	19.22	19.50	1.07	---	---	---	---
		Left Cheek	M	19.18	19.50	1.08	0.059	---	0.064	---
		Left Cheek	H	19.36	19.50	1.03	---	---	---	---
		Left tilt	L	19.22	19.50	1.07	---	---	---	---
		Left tilt	M	19.18	19.50	1.08	0.036	---	0.039	---
		Left tilt	H	19.36	19.50	1.03	---	---	---	---
		Right Cheek	L	19.22	19.50	1.07	---	---	---	---
		Right Cheek	M	19.18	19.50	1.08	0.072	---	0.078	---
		Right Cheek	H	19.36	19.50	1.03	---	---	---	---
		Right tilt	L	19.22	19.50	1.07	---	---	---	---
		Right tilt	M	19.18	19.50	1.08	0.010	---	0.011	---
		Right tilt	H	19.36	19.50	1.03	---	---	---	---
	Body-worn	Back	L	19.22	19.50	1.07	---	---	---	---
		Back	M	19.18	19.50	1.08	0.207	---	0.224	---
		Back	H	19.36	19.50	1.03	---	---	---	---
		Front	L	19.22	19.50	1.07	---	---	---	---
		Front	M	19.18	19.50	1.08	0.262	---	0.283	---
		Front	H	19.36	19.50	1.03	---	---	---	---
	Hotspot	Back	L	19.22	19.50	1.07	---	---	---	---
		Back	M	19.18	19.50	1.08	0.207	---	0.224	---
		Back	H	19.36	19.50	1.03	---	---	---	---
		Front	L	19.22	19.50	1.07	---	---	---	---
		Front	M	19.18	19.50	1.08	0.262	---	0.283	---
		Front	H	19.36	19.50	1.03	---	---	---	---
		Top	L	19.22	19.50	1.07	---	---	---	---
		Top	M	19.18	19.50	1.08	0.018	---	0.019	---
		Top	H	19.36	19.50	1.03	---	---	---	---
		Bottom	L	19.22	19.50	1.07	---	---	---	---
		Bottom	M	19.18	19.50	1.08	0.020	---	0.022	---
		Bottom	H	19.36	19.50	1.03	---	---	---	---
		Left	L	19.22	19.50	1.07	---	---	---	---
		Left	M	19.18	19.50	1.08	0.010	---	0.011	---
		Left	H	19.36	19.50	1.03	---	---	---	---
		Right	L	19.22	19.50	1.07	---	---	---	---
		Right	M	19.18	19.50	1.08	0.242	---	0.261	---
		Right	H	19.36	19.50	1.03	---	---	---	---
	Limb	Back	L	19.22	19.50	1.07	---	---	---	---
		Back	M	19.18	19.50	1.08	0.598	---	0.646	---
		Back	H	19.36	19.50	1.03	---	---	---	---
		Front	L	19.22	19.50	1.07	---	---	---	---
		Front	M	19.18	19.50	1.08	0.671	---	0.725	---
		Front	H	19.36	19.50	1.03	---	---	---	---
		Top	L	19.22	19.50	1.07	---	---	---	---
		Top	M	19.18	19.50	1.08	0.041	---	0.044	---

		Top	H	19.36	19.50	1.03	---	---	---	---
		Bottom	L	19.22	19.50	1.07	---	---	---	---
		Bottom	M	19.18	19.50	1.08	0.045	---	0.049	---
		Bottom	H	19.36	19.50	1.03	---	---	---	---
		Left	L	19.22	19.50	1.07	---	---	---	---
		Left	M	19.18	19.50	1.08	0.010	---	0.011	---
		Left	H	19.36	19.50	1.03	---	---	---	---
		Right	L	19.22	19.50	1.07	---	---	---	---
		Right	M	19.18	19.50	1.08	0.620	---	0.670	---
		Right	H	19.36	19.50	1.03	---	---	---	---

Test case				Meas power(dBm)	Tune-up(dBm)	Scaling factor	Meas SAR(w/kg)		Report SAR(w/kg)	
LTE7	Exposure condition	Position	Channel				First	Second	First	Second
QPSK	Head	Left Cheek	L	15.43	15.50	1.02	---	---	---	---
		Left Cheek	M	15.49	15.50	1.00	0.329	---	0.329	---
		Left Cheek	H	15.46	15.50	1.01	---	---	---	---
		Left tilt	L	15.43	15.50	1.02	---	---	---	---
		Left tilt	M	15.49	15.50	1.00	0.385	---	0.385	---
		Left tilt	H	15.46	15.50	1.01	---	---	---	---
		Right Cheek	L	15.43	15.50	1.02	---	---	---	---
		Right Cheek	M	15.49	15.50	1.00	0.459	---	0.459	---
		Right Cheek	H	15.46	15.50	1.01	---	---	---	---
		Right tilt	L	15.43	15.50	1.02	---	---	---	---
		Right tilt	M	15.49	15.50	1.00	0.534	---	0.534	---
		Right tilt	H	15.46	15.50	1.01	---	---	---	---
	Body-worn	Back	L	15.43	15.50	1.02	---	---	---	---
		Back	M	15.49	15.50	1.00	0.135	---	0.135	---
		Back	H	15.46	15.50	1.01	---	---	---	---
		Front	L	15.43	15.50	1.02	---	---	---	---
		Front	M	15.49	15.50	1.00	0.269	---	0.269	---
		Front	H	15.46	15.50	1.01	---	---	---	---
	Hotspot	Back	L	15.43	15.50	1.02	---	---	---	---
		Back	M	15.49	15.50	1.00	0.135	---	0.135	---
		Back	H	15.46	15.50	1.01	---	---	---	---
		Front	L	15.43	15.50	1.02	---	---	---	---
		Front	M	15.49	15.50	1.00	0.269	---	0.269	---
		Front	H	15.46	15.50	1.01	---	---	---	---
		Top	L	15.43	15.50	1.02	---	---	---	---
		Top	M	15.49	15.50	1.00	0.541	---	0.541	---
		Top	H	15.46	15.50	1.01	---	---	---	---
		Bottom	L	15.43	15.50	1.02	---	---	---	---
		Bottom	M	15.49	15.50	1.00	0.010	---	0.010	---
		Bottom	H	15.46	15.50	1.01	---	---	---	---
		Left	L	15.43	15.50	1.02	---	---	---	---
		Left	M	15.49	15.50	1.00	0.069	---	0.069	---
		Left	H	15.46	15.50	1.01	---	---	---	---
		Right	L	15.43	15.50	1.02	---	---	---	---
		Right	M	15.49	15.50	1.00	0.010	---	0.010	---
		Right	H	15.46	15.50	1.01	---	---	---	---
	Limb	Back	L	15.43	15.50	1.02	---	---	---	---
		Back	M	15.49	15.50	1.00	0.255	---	0.255	---
		Back	H	15.46	15.50	1.01	---	---	---	---
		Front	L	15.43	15.50	1.02	---	---	---	---
		Front	M	15.49	15.50	1.00	0.722	---	0.722	---
		Front	H	15.46	15.50	1.01	---	---	---	---
		Top	L	15.43	15.50	1.02	---	---	---	---
		Top	M	15.49	15.50	1.00	1.250	---	1.250	---

		Top	H	15.46	15.50	1.01	---	---	---	---
		Bottom	L	15.43	15.50	1.02	---	---	---	---
		Bottom	M	15.49	15.50	1.00	0.010	---	0.010	---
		Bottom	H	15.46	15.50	1.01	---	---	---	---
		Left	L	15.43	15.50	1.02	---	---	---	---
		Left	M	15.49	15.50	1.00	0.173	---	0.173	---
		Left	H	15.46	15.50	1.01	---	---	---	---
		Right	L	15.43	15.50	1.02	---	---	---	---
		Right	M	15.49	15.50	1.00	0.027	---	0.027	---
		Right	H	15.46	15.50	1.01	---	---	---	---

Test case				Meas power(dBm)	Tune-up(dBm)	Scaling factor	Meas SAR(w/kg)		Report SAR(w/kg)	
LTE8	Exposure condition	Position	Channel				First	Second	First	Second
QPSK	Head	Left Cheek	L	22.52	23.00	1.12	---	---	---	---
		Left Cheek	M	22.59	23.00	1.10	0.195	---	0.215	---
		Left Cheek	H	22.54	23.00	1.11	---	---	---	---
		Left tilt	L	22.52	23.00	1.12	---	---	---	---
		Left tilt	M	22.59	23.00	1.10	0.037	---	0.041	---
		Left tilt	H	22.54	23.00	1.11	---	---	---	---
		Right Cheek	L	22.52	23.00	1.12	---	---	---	---
		Right Cheek	M	22.59	23.00	1.10	0.241	---	0.265	---
		Right Cheek	H	22.54	23.00	1.11	---	---	---	---
		Right tilt	L	22.52	23.00	1.12	---	---	---	---
		Right tilt	M	22.59	23.00	1.10	0.043	---	0.047	---
		Right tilt	H	22.54	23.00	1.11	---	---	---	---
	Body-worn	Back	L	22.52	23.00	1.12	---	---	---	---
		Back	M	22.59	23.00	1.10	0.250	---	0.275	---
		Back	H	22.54	23.00	1.11	---	---	---	---
		Front	L	22.52	23.00	1.12	---	---	---	---
		Front	M	22.59	23.00	1.10	0.323	---	0.355	---
		Front	H	22.54	23.00	1.11	---	---	---	---
	Hotspot	Back	L	22.52	23.00	1.12	---	---	---	---
		Back	M	22.59	23.00	1.10	0.250	---	0.275	---
		Back	H	22.54	23.00	1.11	---	---	---	---
		Front	L	22.52	23.00	1.12	---	---	---	---
		Front	M	22.59	23.00	1.10	0.323	---	0.355	---
		Front	H	22.54	23.00	1.11	---	---	---	---
		Top	L	22.52	23.00	1.12	---	---	---	---
		Top	M	22.59	23.00	1.10	0.010	---	0.011	---
		Top	H	22.54	23.00	1.11	---	---	---	---
		Bottom	L	22.52	23.00	1.12	---	---	---	---
		Bottom	M	22.59	23.00	1.10	0.010	---	0.011	---
		Bottom	H	22.54	23.00	1.11	---	---	---	---
		Left	L	22.52	23.00	1.12	---	---	---	---
		Left	M	22.59	23.00	1.10	0.384	---	0.422	---
		Left	H	22.54	23.00	1.11	---	---	---	---
		Right	L	22.52	23.00	1.12	---	---	---	---
		Right	M	22.59	23.00	1.10	0.010	---	0.011	---
		Right	H	22.54	23.00	1.11	---	---	---	---
	Limb	Back	L	22.52	23.00	1.12	---	---	---	---
		Back	M	22.59	23.00	1.10	0.469	---	0.516	---
		Back	H	22.54	23.00	1.11	---	---	---	---
		Front	L	22.52	23.00	1.12	---	---	---	---
		Front	M	22.59	23.00	1.10	0.713	---	0.784	---
		Front	H	22.54	23.00	1.11	---	---	---	---
		Top	L	22.52	23.00	1.12	---	---	---	---
		Top	M	22.59	23.00	1.10	0.025	---	0.028	---

		Top	H	22.54	23.00	1.11	---	---	---	---
		Bottom	L	22.52	23.00	1.12	---	---	---	---
		Bottom	M	22.59	23.00	1.10	0.060	---	0.066	---
		Bottom	H	22.54	23.00	1.11	---	---	---	---
		Left	L	22.52	23.00	1.12	---	---	---	---
		Left	M	22.59	23.00	1.10	0.701	---	0.771	---
		Left	H	22.54	23.00	1.11	---	---	---	---
		Right	L	22.52	23.00	1.12	---	---	---	---
		Right	M	22.59	23.00	1.10	0.010	---	0.011	---
		Right	H	22.54	23.00	1.11	---	---	---	---

Test case				Meas power(dBm)	Tune-up(dBm)	Scaling factor	Meas SAR(w/kg)		Report SAR(w/kg)	
LTE20	Exposure condition	Position	Channel				First	Second	First	Second
QPSK	Head	Left Cheek	L	22.54	23.00	1.11	---	---	---	---
		Left Cheek	M	22.41	23.00	1.15	0.178	---	0.205	---
		Left Cheek	H	22.29	23.00	1.18	---	---	---	---
		Left tilt	L	22.54	23.00	1.11	---	---	---	---
		Left tilt	M	22.41	23.00	1.15	0.051	---	0.059	---
		Left tilt	H	22.29	23.00	1.18	---	---	---	---
		Right Cheek	L	22.54	23.00	1.11	---	---	---	---
		Right Cheek	M	22.41	23.00	1.15	0.220	---	0.253	---
		Right Cheek	H	22.29	23.00	1.18	---	---	---	---
		Right tilt	L	22.54	23.00	1.11	---	---	---	---
		Right tilt	M	22.41	23.00	1.15	0.054	---	0.062	---
		Right tilt	H	22.29	23.00	1.18	---	---	---	---
	Body-worn	Back	L	22.54	23.00	1.11	---	---	---	---
		Back	M	22.41	23.00	1.15	0.233	---	0.268	---
		Back	H	22.29	23.00	1.18	---	---	---	---
		Front	L	22.54	23.00	1.11	---	---	---	---
		Front	M	22.41	23.00	1.15	0.297	---	0.342	---
		Front	H	22.29	23.00	1.18	---	---	---	---
	Hotspot	Back	L	22.54	23.00	1.11	---	---	---	---
		Back	M	22.41	23.00	1.15	0.233	---	0.268	---
		Back	H	22.29	23.00	1.18	---	---	---	---
		Front	L	22.54	23.00	1.11	---	---	---	---
		Front	M	22.41	23.00	1.15	0.297	---	0.342	---
		Front	H	22.29	23.00	1.18	---	---	---	---
		Top	L	22.54	23.00	1.11	---	---	---	---
		Top	M	22.41	23.00	1.15	0.010	---	0.012	---
		Top	H	22.29	23.00	1.18	---	---	---	---
		Bottom	L	22.54	23.00	1.11	---	---	---	---
		Bottom	M	22.41	23.00	1.15	0.010	---	0.012	---
		Bottom	H	22.29	23.00	1.18	---	---	---	---
		Left	L	22.54	23.00	1.11	---	---	---	---
		Left	M	22.41	23.00	1.15	0.362	---	0.416	---
		Left	H	22.29	23.00	1.18	---	---	---	---
		Right	L	22.54	23.00	1.11	---	---	---	---
		Right	M	22.41	23.00	1.15	0.010	---	0.012	---
		Right	H	22.29	23.00	1.18	---	---	---	---
	Limb	Back	L	22.54	23.00	1.11	---	---	---	---
		Back	M	22.41	23.00	1.15	0.427	---	0.491	---
		Back	H	22.29	23.00	1.18	---	---	---	---
		Front	L	22.54	23.00	1.11	---	---	---	---
		Front	M	22.41	23.00	1.15	0.581	---	0.668	---
		Front	H	22.29	23.00	1.18	---	---	---	---
		Top	L	22.54	23.00	1.11	---	---	---	---
		Top	M	22.41	23.00	1.15	0.010	---	0.012	---

		Top	H	22.29	23.00	1.18	---	---	---	---
		Bottom	L	22.54	23.00	1.11	---	---	---	---
		Bottom	M	22.41	23.00	1.15	0.030	---	0.035	---
		Bottom	H	22.29	23.00	1.18	---	---	---	---
		Left	L	22.54	23.00	1.11	---	---	---	---
		Left	M	22.41	23.00	1.15	0.641	---	0.737	---
		Left	H	22.29	23.00	1.18	---	---	---	---
		Right	L	22.54	23.00	1.11	---	---	---	---
		Right	M	22.41	23.00	1.15	0.010	---	0.012	---
		Right	H	22.29	23.00	1.18	---	---	---	---

Test case				Meas power(dBm)	Tune-up(dBm)	Scaling factor	Meas SAR(w/kg)		Report SAR(w/kg)	
LTE28	Exposure condition	Position	Channel				First	Second	First	Second
QPSK	Head	Left Cheek	L	22.22	23.00	1.20	---	---	---	---
		Left Cheek	M	22.54	23.00	1.11	0.133	---	0.148	---
		Left Cheek	H	22.41	23.00	1.15	---	---	---	---
		Left tilt	L	22.22	23.00	1.20	---	---	---	---
		Left tilt	M	22.54	23.00	1.11	0.048	---	0.053	---
		Left tilt	H	22.41	23.00	1.15	---	---	---	---
		Right Cheek	L	22.22	23.00	1.20	---	---	---	---
		Right Cheek	M	22.54	23.00	1.11	0.171	---	0.190	---
		Right Cheek	H	22.41	23.00	1.15	---	---	---	---
		Right tilt	L	22.22	23.00	1.20	---	---	---	---
		Right tilt	M	22.54	23.00	1.11	0.043	---	0.048	---
		Right tilt	H	22.41	23.00	1.15	---	---	---	---
	Body-worn	Back	L	22.22	23.00	1.20	---	---	---	---
		Back	M	22.54	23.00	1.11	0.172	---	0.191	---
		Back	H	22.41	23.00	1.15	---	---	---	---
		Front	L	22.22	23.00	1.20	---	---	---	---
		Front	M	22.54	23.00	1.11	0.247	---	0.274	---
		Front	H	22.41	23.00	1.15	---	---	---	---
	Hotspot	Back	L	22.22	23.00	1.20	---	---	---	---
		Back	M	22.54	23.00	1.11	0.172	---	0.191	---
		Back	H	22.41	23.00	1.15	---	---	---	---
		Front	L	22.22	23.00	1.20	---	---	---	---
		Front	M	22.54	23.00	1.11	0.247	---	0.274	---
		Front	H	22.41	23.00	1.15	---	---	---	---
		Top	L	22.22	23.00	1.20	---	---	---	---
		Top	M	22.54	23.00	1.11	0.010	---	0.011	---
		Top	H	22.41	23.00	1.15	---	---	---	---
		Bottom	L	22.22	23.00	1.20	---	---	---	---
		Bottom	M	22.54	23.00	1.11	0.010	---	0.011	---
		Bottom	H	22.41	23.00	1.15	---	---	---	---
		Left	L	22.22	23.00	1.20	---	---	---	---
		Left	M	22.54	23.00	1.11	0.333	---	0.370	---
		Left	H	22.41	23.00	1.15	---	---	---	---
		Right	L	22.22	23.00	1.20	---	---	---	---
		Right	M	22.54	23.00	1.11	0.010	---	0.011	---
		Right	H	22.41	23.00	1.15	---	---	---	---
	Limb	Back	L	22.22	23.00	1.20	---	---	---	---
		Back	M	22.54	23.00	1.11	0.328	---	0.364	---
		Back	H	22.41	23.00	1.15	---	---	---	---
		Front	L	22.22	23.00	1.20	---	---	---	---
		Front	M	22.54	23.00	1.11	0.454	---	0.504	---
		Front	H	22.41	23.00	1.15	---	---	---	---
		Top	L	22.22	23.00	1.20	---	---	---	---
		Top	M	22.54	23.00	1.11	0.010	---	0.011	---

		Top	H	22.41	23.00	1.15	---	---	---	---
		Bottom	L	22.22	23.00	1.20	---	---	---	---
		Bottom	M	22.54	23.00	1.11	0.010	---	0.011	---
		Bottom	H	22.41	23.00	1.15	---	---	---	---
		Left	L	22.22	23.00	1.20	---	---	---	---
		Left	M	22.54	23.00	1.11	0.670	---	0.744	---
		Left	H	22.41	23.00	1.15	---	---	---	---
		Right	L	22.22	23.00	1.20	---	---	---	---
		Right	M	22.54	23.00	1.11	0.010	---	0.011	---
		Right	H	22.41	23.00	1.15	---	---	---	---

Test case				Meas power(dBm)	Tune-up(dBm)	Scaling factor	Meas SAR(w/kg)		Report SAR(w/kg)	
LTE38	Exposure condition	Position	Channel				First	Second	First	Second
QPSK	Head	Left Cheek	L	19.42	19.50	1.02	---	---	---	---
		Left Cheek	M	19.37	19.50	1.03	0.265	---	0.273	---
		Left Cheek	H	19.26	19.50	1.06	---	---	---	---
		Left tilt	L	19.42	19.50	1.02	---	---	---	---
		Left tilt	M	19.37	19.50	1.03	0.332	---	0.342	---
		Left tilt	H	19.26	19.50	1.06	---	---	---	---
		Right Cheek	L	19.42	19.50	1.02	---	---	---	---
		Right Cheek	M	19.37	19.50	1.03	0.381	---	0.392	---
		Right Cheek	H	19.26	19.50	1.06	---	---	---	---
		Right tilt	L	19.42	19.50	1.02	---	---	---	---
		Right tilt	M	19.37	19.50	1.03	0.476	---	0.490	---
		Right tilt	H	19.26	19.50	1.06	---	---	---	---
	Body-worn	Back	L	19.42	19.50	1.02	---	---	---	---
		Back	M	19.37	19.50	1.03	0.126	---	0.130	---
		Back	H	19.26	19.50	1.06	---	---	---	---
		Front	L	19.42	19.50	1.02	---	---	---	---
		Front	M	19.37	19.50	1.03	0.238	---	0.245	---
		Front	H	19.26	19.50	1.06	---	---	---	---
	Hotspot	Back	L	19.42	19.50	1.02	---	---	---	---
		Back	M	19.37	19.50	1.03	0.126	---	0.130	---
		Back	H	19.26	19.50	1.06	---	---	---	---
		Front	L	19.42	19.50	1.02	---	---	---	---
		Front	M	19.37	19.50	1.03	0.238	---	0.245	---
		Front	H	19.26	19.50	1.06	---	---	---	---
		Top	L	19.42	19.50	1.02	---	---	---	---
		Top	M	19.37	19.50	1.03	0.512	---	0.527	---
		Top	H	19.26	19.50	1.06	---	---	---	---
		Bottom	L	19.42	19.50	1.02	---	---	---	---
		Bottom	M	19.37	19.50	1.03	0.010	---	0.010	---
		Bottom	H	19.26	19.50	1.06	---	---	---	---
		Left	L	19.42	19.50	1.02	---	---	---	---
		Left	M	19.37	19.50	1.03	0.065	---	0.067	---
		Left	H	19.26	19.50	1.06	---	---	---	---
		Right	L	19.42	19.50	1.02	---	---	---	---
		Right	M	19.37	19.50	1.03	0.010	---	0.010	---
		Right	H	19.26	19.50	1.06	---	---	---	---
	Limb	Back	L	19.42	19.50	1.02	---	---	---	---
		Back	M	19.37	19.50	1.03	0.215	---	0.221	---
		Back	H	19.26	19.50	1.06	---	---	---	---
		Front	L	19.42	19.50	1.02	---	---	---	---
		Front	M	19.37	19.50	1.03	0.601	---	0.619	---
		Front	H	19.26	19.50	1.06	---	---	---	---
		Top	L	19.42	19.50	1.02	---	---	---	---
		Top	M	19.37	19.50	1.03	0.996	---	1.026	---

		Top	H	19.26	19.50	1.06	---	---	---	---
		Bottom	L	19.42	19.50	1.02	---	---	---	---
		Bottom	M	19.37	19.50	1.03	0.010	---	0.010	---
		Bottom	H	19.26	19.50	1.06	---	---	---	---
		Left	L	19.42	19.50	1.02	---	---	---	---
		Left	M	19.37	19.50	1.03	0.137	---	0.141	---
		Left	H	19.26	19.50	1.06	---	---	---	---
		Right	L	19.42	19.50	1.02	---	---	---	---
		Right	M	19.37	19.50	1.03	0.010	---	0.010	---
		Right	H	19.26	19.50	1.06	---	---	---	---

Test case				Meas power(dBm)	Tune-up(dBm)	Scaling factor	Meas SAR(w/kg)		Report SAR(w/kg)	
LTE40	Exposure condition	Position	Channel				First	Second	First	Second
QPSK	Head	Left Cheek	L	19.50	19.50	1.00	---	---	---	---
		Left Cheek	M	19.45	19.50	1.01	0.038	---	0.038	---
		Left Cheek	H	19.20	19.50	1.07	---	---	---	---
		Left tilt	L	19.50	19.50	1.00	---	---	---	---
		Left tilt	M	19.45	19.50	1.01	0.010	---	0.010	---
		Left tilt	H	19.20	19.50	1.07	---	---	---	---
		Right Cheek	L	19.50	19.50	1.00	---	---	---	---
		Right Cheek	M	19.45	19.50	1.01	0.041	---	0.041	---
		Right Cheek	H	19.20	19.50	1.07	---	---	---	---
		Right tilt	L	19.50	19.50	1.00	---	---	---	---
		Right tilt	M	19.45	19.50	1.01	0.010	---	0.010	---
		Right tilt	H	19.20	19.50	1.07	---	---	---	---
	Body-worn	Back	L	19.50	19.50	1.00	---	---	---	---
		Back	M	19.45	19.50	1.01	0.092	---	0.093	---
		Back	H	19.20	19.50	1.07	---	---	---	---
		Front	L	19.50	19.50	1.00	---	---	---	---
		Front	M	19.45	19.50	1.01	0.129	---	0.130	---
		Front	H	19.20	19.50	1.07	---	---	---	---
	Hotspot	Back	L	19.50	19.50	1.00	---	---	---	---
		Back	M	19.45	19.50	1.01	0.092	---	0.093	---
		Back	H	19.20	19.50	1.07	---	---	---	---
		Front	L	19.50	19.50	1.00	---	---	---	---
		Front	M	19.45	19.50	1.01	0.129	---	0.130	---
		Front	H	19.20	19.50	1.07	---	---	---	---
		Top	L	19.50	19.50	1.00	---	---	---	---
		Top	M	19.45	19.50	1.01	0.010	---	0.010	---
		Top	H	19.20	19.50	1.07	---	---	---	---
		Bottom	L	19.50	19.50	1.00	---	---	---	---
		Bottom	M	19.45	19.50	1.01	0.024	---	0.024	---
		Bottom	H	19.20	19.50	1.07	---	---	---	---
		Left	L	19.50	19.50	1.00	---	---	---	---
		Left	M	19.45	19.50	1.01	0.010	---	0.010	---
		Left	H	19.20	19.50	1.07	---	---	---	---
		Right	L	19.50	19.50	1.00	---	---	---	---
		Right	M	19.45	19.50	1.01	0.177	---	0.179	---
		Right	H	19.20	19.50	1.07	---	---	---	---
	Limb	Back	L	19.50	19.50	1.00	---	---	---	---
		Back	M	19.45	19.50	1.01	0.247	---	0.249	---
		Back	H	19.20	19.50	1.07	---	---	---	---
		Front	L	19.50	19.50	1.00	---	---	---	---
		Front	M	19.45	19.50	1.01	0.378	---	0.382	---
		Front	H	19.20	19.50	1.07	---	---	---	---
		Top	L	19.50	19.50	1.00	---	---	---	---
		Top	M	19.45	19.50	1.01	0.010	---	0.010	---

		Top	H	19.20	19.50	1.07	---	---	---	---
		Bottom	L	19.50	19.50	1.00	---	---	---	---
		Bottom	M	19.45	19.50	1.01	0.056	---	0.057	---
		Bottom	H	19.20	19.50	1.07	---	---	---	---
		Left	L	19.50	19.50	1.00	---	---	---	---
		Left	M	19.45	19.50	1.01	0.020	---	0.020	---
		Left	H	19.20	19.50	1.07	---	---	---	---
		Right	L	19.50	19.50	1.00	---	---	---	---
		Right	M	19.45	19.50	1.01	0.369	---	0.373	---
		Right	H	19.20	19.50	1.07	---	---	---	---

Test case				Meas power(dBm)	Tune-up(dBm)	Scaling factor	Meas SAR(w/kg)		Report SAR(w/kg)	
LTE42	Exposure condition	Position	Channel				First	Second	First	Second
QPSK	Head	Left Cheek	L	24.23	24.50	1.06	---	---	---	---
		Left Cheek	M	24.40	24.50	1.02	0.031	---	0.032	---
		Left Cheek	H	23.68	24.50	1.21	---	---	---	---
		Left tilt	L	24.23	24.50	1.06	---	---	---	---
		Left tilt	M	24.40	24.50	1.02	0.026	---	0.027	---
		Left tilt	H	23.68	24.50	1.21	---	---	---	---
		Right Cheek	L	24.23	24.50	1.06	---	---	---	---
		Right Cheek	M	24.40	24.50	1.02	0.010	---	0.010	---
		Right Cheek	H	23.68	24.50	1.21	---	---	---	---
		Right tilt	L	24.23	24.50	1.06	---	---	---	---
		Right tilt	M	24.40	24.50	1.02	0.010	---	0.010	---
		Right tilt	H	23.68	24.50	1.21	---	---	---	---
	Body-worn	Back	L	24.23	24.50	1.06	---	---	---	---
		Back	M	24.40	24.50	1.02	0.126	---	0.129	---
		Back	H	23.68	24.50	1.21	---	---	---	---
		Front	L	24.23	24.50	1.06	---	---	---	---
		Front	M	24.40	24.50	1.02	0.085	---	0.087	---
		Front	H	23.68	24.50	1.21	---	---	---	---
	Hotspot	Back	L	24.23	24.50	1.06	---	---	---	---
		Back	M	24.40	24.50	1.02	0.126	---	0.129	---
		Back	H	23.68	24.50	1.21	---	---	---	---
		Front	L	24.23	24.50	1.06	---	---	---	---
		Front	M	24.40	24.50	1.02	0.085	---	0.087	---
		Front	H	23.68	24.50	1.21	---	---	---	---
		Top	L	24.23	24.50	1.06	---	---	---	---
		Top	M	24.40	24.50	1.02	0.010	---	0.010	---
		Top	H	23.68	24.50	1.21	---	---	---	---
		Bottom	L	24.23	24.50	1.06	---	---	---	---
		Bottom	M	24.40	24.50	1.02	0.074	---	0.075	---
		Bottom	H	23.68	24.50	1.21	---	---	---	---
		Left	L	24.23	24.50	1.06	---	---	---	---
		Left	M	24.40	24.50	1.02	0.182	---	0.186	---
		Left	H	23.68	24.50	1.21	---	---	---	---
		Right	L	24.23	24.50	1.06	---	---	---	---
		Right	M	24.40	24.50	1.02	0.010	---	0.010	---
		Right	H	23.68	24.50	1.21	---	---	---	---
	Limb	Back	L	24.23	24.50	1.06	---	---	---	---
		Back	M	24.40	24.50	1.02	0.394	---	0.402	---
		Back	H	23.68	24.50	1.21	---	---	---	---
		Front	L	24.23	24.50	1.06	---	---	---	---
		Front	M	24.40	24.50	1.02	0.322	---	0.328	---
		Front	H	23.68	24.50	1.21	---	---	---	---
		Top	L	24.23	24.50	1.06	---	---	---	---
		Top	M	24.40	24.50	1.02	0.010	---	0.010	---

		Top	H	23.68	24.50	1.21	---	---	---	---
		Bottom	L	24.23	24.50	1.06	---	---	---	---
		Bottom	M	24.40	24.50	1.02	0.126	---	0.129	---
		Bottom	H	23.68	24.50	1.21	---	---	---	---
		Left	L	24.23	24.50	1.06	---	---	---	---
		Left	M	24.40	24.50	1.02	0.677	---	0.691	---
		Left	H	23.68	24.50	1.21	---	---	---	---
		Right	L	24.23	24.50	1.06	---	---	---	---
		Right	M	24.40	24.50	1.02	0.032	---	0.033	---
		Right	H	23.68	24.50	1.21	---	---	---	---

Test case				Meas power(dBm)	Tune-up(dBm)	Scaling factor	Meas SAR(w/kg)		Report SAR(w/kg)	
LTE43	Exposure condition	Position	Channel				First	Second	First	Second
QPSK	Head	Left Cheek	L	21.62	22.00	1.09	---	---	---	---
		Left Cheek	M	21.09	22.00	1.23	0.087	---	0.107	---
		Left Cheek	H	19.94	22.00	1.61	---	---	---	---
		Left tilt	L	21.62	22.00	1.09	---	---	---	---
		Left tilt	M	21.09	22.00	1.23	0.047	---	0.058	---
		Left tilt	H	19.94	22.00	1.61	---	---	---	---
		Right Cheek	L	21.62	22.00	1.09	---	---	---	---
		Right Cheek	M	21.09	22.00	1.23	0.030	---	0.037	---
		Right Cheek	H	19.94	22.00	1.61	---	---	---	---
		Right tilt	L	21.62	22.00	1.09	---	---	---	---
		Right tilt	M	21.09	22.00	1.23	0.027	---	0.033	---
		Right tilt	H	19.94	22.00	1.61	---	---	---	---
	Body-worn	Back	L	21.62	22.00	1.09	---	---	---	---
		Back	M	21.09	22.00	1.23	0.171	---	0.210	---
		Back	H	19.94	22.00	1.61	---	---	---	---
		Front	L	21.62	22.00	1.09	---	---	---	---
		Front	M	21.09	22.00	1.23	0.218	---	0.268	---
		Front	H	19.94	22.00	1.61	---	---	---	---
	Hotspot	Back	L	21.62	22.00	1.09	---	---	---	---
		Back	M	21.09	22.00	1.23	0.171	---	0.210	---
		Back	H	19.94	22.00	1.61	---	---	---	---
		Front	L	21.62	22.00	1.09	---	---	---	---
		Front	M	21.09	22.00	1.23	0.218	---	0.268	---
		Front	H	19.94	22.00	1.61	---	---	---	---
		Top	L	21.62	22.00	1.09	---	---	---	---
		Top	M	21.09	22.00	1.23	0.024	---	0.030	---
		Top	H	19.94	22.00	1.61	---	---	---	---
		Bottom	L	21.62	22.00	1.09	---	---	---	---
		Bottom	M	21.09	22.00	1.23	0.154	---	0.189	---
		Bottom	H	19.94	22.00	1.61	---	---	---	---
		Left	L	21.62	22.00	1.09	---	---	---	---
		Left	M	21.09	22.00	1.23	0.421	---	0.518	---
		Left	H	19.94	22.00	1.61	---	---	---	---
		Right	L	21.62	22.00	1.09	---	---	---	---
		Right	M	21.09	22.00	1.23	0.028	---	0.034	---
		Right	H	19.94	22.00	1.61	---	---	---	---
	Limb	Back	L	21.62	22.00	1.09	---	---	---	---
		Back	M	21.09	22.00	1.23	0.510	---	0.627	---
		Back	H	19.94	22.00	1.61	---	---	---	---
		Front	L	21.62	22.00	1.09	---	---	---	---
		Front	M	21.09	22.00	1.23	0.725	---	0.892	---
		Front	H	19.94	22.00	1.61	---	---	---	---
		Top	L	21.62	22.00	1.09	---	---	---	---
		Top	M	21.09	22.00	1.23	0.044	---	0.054	---

		Top	H	19.94	22.00	1.61	---	---	---	---
		Bottom	L	21.62	22.00	1.09	---	---	---	---
		Bottom	M	21.09	22.00	1.23	0.200	---	0.246	---
		Bottom	H	19.94	22.00	1.61	---	---	---	---
		Left	L	21.62	22.00	1.09	---	---	---	---
		Left	M	21.09	22.00	1.23	1.180	---	1.451	---
		Left	H	19.94	22.00	1.61	---	---	---	---
		Right	L	21.62	22.00	1.09	---	---	---	---
		Right	M	21.09	22.00	1.23	0.041	---	0.050	---
		Right	H	19.94	22.00	1.61	---	---	---	---

Test case				Meas power(dBm)	Tune-up(dBm)	Scaling factor	Meas SAR(w/kg)		Report SAR(w/kg)	
LTE68	Exposure condition	Position	Channel				First	Second	First	Second
QPSK	Head	Left Cheek	L	22.51	23.00	1.12	---	---	---	---
		Left Cheek	M	22.49	23.00	1.12	0.126	---	0.141	---
		Left Cheek	H	22.45	23.00	1.14	---	---	---	---
		Left tilt	L	22.51	23.00	1.12	---	---	---	---
		Left tilt	M	22.49	23.00	1.12	0.042	---	0.047	---
		Left tilt	H	22.45	23.00	1.14	---	---	---	---
		Right Cheek	L	22.51	23.00	1.12	---	---	---	---
		Right Cheek	M	22.49	23.00	1.12	0.161	---	0.180	---
		Right Cheek	H	22.45	23.00	1.14	---	---	---	---
		Right tilt	L	22.51	23.00	1.12	---	---	---	---
		Right tilt	M	22.49	23.00	1.12	0.040	---	0.045	---
		Right tilt	H	22.45	23.00	1.14	---	---	---	---
	Body-worn	Back	L	22.51	23.00	1.12	---	---	---	---
		Back	M	22.49	23.00	1.12	0.181	---	0.203	---
		Back	H	22.45	23.00	1.14	---	---	---	---
		Front	L	22.51	23.00	1.12	---	---	---	---
		Front	M	22.49	23.00	1.12	0.212	---	0.237	---
		Front	H	22.45	23.00	1.14	---	---	---	---
	Hotspot	Back	L	22.51	23.00	1.12	---	---	---	---
		Back	M	22.49	23.00	1.12	0.181	---	0.203	---
		Back	H	22.45	23.00	1.14	---	---	---	---
		Front	L	22.51	23.00	1.12	---	---	---	---
		Front	M	22.49	23.00	1.12	0.212	---	0.237	---
		Front	H	22.45	23.00	1.14	---	---	---	---
		Top	L	22.51	23.00	1.12	---	---	---	---
		Top	M	22.49	23.00	1.12	0.010	---	0.011	---
		Top	H	22.45	23.00	1.14	---	---	---	---
		Bottom	L	22.51	23.00	1.12	---	---	---	---
		Bottom	M	22.49	23.00	1.12	0.010	---	0.011	---
		Bottom	H	22.45	23.00	1.14	---	---	---	---
		Left	L	22.51	23.00	1.12	---	---	---	---
		Left	M	22.49	23.00	1.12	0.315	---	0.353	---
		Left	H	22.45	23.00	1.14	---	---	---	---
		Right	L	22.51	23.00	1.12	---	---	---	---
		Right	M	22.49	23.00	1.12	0.010	---	0.011	---
		Right	H	22.45	23.00	1.14	---	---	---	---
	Limb	Back	L	22.51	23.00	1.12	---	---	---	---
		Back	M	22.49	23.00	1.12	0.326	---	0.365	---
		Back	H	22.45	23.00	1.14	---	---	---	---
		Front	L	22.51	23.00	1.12	---	---	---	---
		Front	M	22.49	23.00	1.12	0.459	---	0.514	---
		Front	H	22.45	23.00	1.14	---	---	---	---
		Top	L	22.51	23.00	1.12	---	---	---	---
		Top	M	22.49	23.00	1.12	0.010	---	0.011	---

		Top	H	22.45	23.00	1.14	---	---	---	---
		Bottom	L	22.51	23.00	1.12	---	---	---	---
		Bottom	M	22.49	23.00	1.12	0.026	---	0.029	---
		Bottom	H	22.45	23.00	1.14	---	---	---	---
		Left	L	22.51	23.00	1.12	---	---	---	---
		Left	M	22.49	23.00	1.12	0.621	---	0.696	---
		Left	H	22.45	23.00	1.14	---	---	---	---
		Right	L	22.51	23.00	1.12	---	---	---	---
		Right	M	22.49	23.00	1.12	0.010	---	0.011	---
		Right	H	22.45	23.00	1.14	---	---	---	---

Test case				Meas power(dBm)	Tune-up(dBm)	Scaling factor	Meas SAR(w/kg)		Report SAR(w/kg)	
NR1	Exposure condition	Position	Channel				First	Second	First	Second
π/2-BPSK	Head	Left Cheek	L	18.90	19.50	1.15	---	---	---	---
		Left Cheek	M	19.10	19.50	1.10	0.369	---	0.406	---
		Left Cheek	H	18.50	19.50	1.26	---	---	---	---
		Left tilt	L	18.90	19.50	1.15	---	---	---	---
		Left tilt	M	19.10	19.50	1.10	0.412	---	0.453	---
		Left tilt	H	18.50	19.50	1.26	---	---	---	---
		Right Cheek	L	18.90	19.50	1.15	---	---	---	---
		Right Cheek	M	19.10	19.50	1.10	0.657	---	0.723	---
		Right Cheek	H	18.50	19.50	1.26	---	---	---	---
		Right tilt	L	18.90	19.50	1.15	---	---	---	---
		Right tilt	M	19.10	19.50	1.10	0.631	---	0.694	---
		Right tilt	H	18.50	19.50	1.26	---	---	---	---
	Body-worn	Back	L	18.90	19.50	1.15	---	---	---	---
		Back	M	19.10	19.50	1.10	0.176	---	0.194	---
		Back	H	18.50	19.50	1.26	---	---	---	---
		Front	L	18.90	19.50	1.15	---	---	---	---
		Front	M	19.10	19.50	1.10	0.313	---	0.344	---
		Front	H	18.50	19.50	1.26	---	---	---	---
	Hotspot	Back	L	18.90	19.50	1.15	---	---	---	---
		Back	M	19.10	19.50	1.10	0.176	---	0.194	---
		Back	H	18.50	19.50	1.26	---	---	---	---
		Front	L	18.90	19.50	1.15	---	---	---	---
		Front	M	19.10	19.50	1.10	0.313	---	0.344	---
		Front	H	18.50	19.50	1.26	---	---	---	---
		Top	L	18.90	19.50	1.15	---	---	---	---
		Top	M	19.10	19.50	1.10	0.398	---	0.438	---
		Top	H	18.50	19.50	1.26	---	---	---	---
		Bottom	L	18.90	19.50	1.15	---	---	---	---
		Bottom	M	19.10	19.50	1.10	0.010	---	0.011	---
		Bottom	H	18.50	19.50	1.26	---	---	---	---
		Left	L	18.90	19.50	1.15	---	---	---	---
		Left	M	19.10	19.50	1.10	0.113	---	0.124	---
		Left	H	18.50	19.50	1.26	---	---	---	---
		Right	L	18.90	19.50	1.15	---	---	---	---
		Right	M	19.10	19.50	1.10	0.028	---	0.031	---
		Right	H	18.50	19.50	1.26	---	---	---	---
	Limb	Back	L	18.90	19.50	1.15	---	---	---	---
		Back	M	19.10	19.50	1.10	0.490	---	0.539	---
		Back	H	18.50	19.50	1.26	---	---	---	---
		Front	L	18.90	19.50	1.15	---	---	---	---
		Front	M	19.10	19.50	1.10	1.040	---	1.144	---
		Front	H	18.50	19.50	1.26	---	---	---	---
		Top	L	18.90	19.50	1.15	---	---	---	---
		Top	M	19.10	19.50	1.10	1.330	---	1.463	---

		Top	H	18.50	19.50	1.26	---	---	---	---
		Bottom	L	18.90	19.50	1.15	---	---	---	---
		Bottom	M	19.10	19.50	1.10	0.010	---	0.011	---
		Bottom	H	18.50	19.50	1.26	---	---	---	---
		Left	L	18.90	19.50	1.15	---	---	---	---
		Left	M	19.10	19.50	1.10	0.299	---	0.329	---
		Left	H	18.50	19.50	1.26	---	---	---	---
		Right	L	18.90	19.50	1.15	---	---	---	---
		Right	M	19.10	19.50	1.10	0.035	---	0.039	---
		Right	H	18.50	19.50	1.26	---	---	---	---

Test case				Meas power(dBm)	Tune-up(dBm)	Scaling factor	Meas SAR(w/kg)		Report SAR(w/kg)	
NR3	Exposure condition	Position	Channel				First	Second	First	Second
π/2-BPSK	Head	Left Cheek	L	16.90	17.50	1.15	---	---	---	---
		Left Cheek	M	17.20	17.50	1.07	0.477	---	0.510	---
		Left Cheek	H	17.00	17.50	1.12	---	---	---	---
		Left tilt	L	16.90	17.50	1.15	---	---	---	---
		Left tilt	M	17.20	17.50	1.07	0.443	---	0.474	---
		Left tilt	H	17.00	17.50	1.12	---	---	---	---
		Right Cheek	L	16.90	17.50	1.15	---	---	---	---
		Right Cheek	M	17.20	17.50	1.07	0.594	---	0.636	---
		Right Cheek	H	17.00	17.50	1.12	---	---	---	---
		Right tilt	L	16.90	17.50	1.15	---	---	---	---
		Right tilt	M	17.20	17.50	1.07	0.549	---	0.587	---
		Right tilt	H	17.00	17.50	1.12	---	---	---	---
	Body-worn	Back	L	16.90	17.50	1.15	---	---	---	---
		Back	M	17.20	17.50	1.07	0.237	---	0.254	---
		Back	H	17.00	17.50	1.12	---	---	---	---
		Front	L	16.90	17.50	1.15	---	---	---	---
		Front	M	17.20	17.50	1.07	0.365	---	0.391	---
		Front	H	17.00	17.50	1.12	---	---	---	---
	Hotspot	Back	L	16.90	17.50	1.15	---	---	---	---
		Back	M	17.20	17.50	1.07	0.237	---	0.254	---
		Back	H	17.00	17.50	1.12	---	---	---	---
		Front	L	16.90	17.50	1.15	---	---	---	---
		Front	M	17.20	17.50	1.07	0.365	---	0.391	---
		Front	H	17.00	17.50	1.12	---	---	---	---
		Top	L	16.90	17.50	1.15	---	---	---	---
		Top	M	17.20	17.50	1.07	0.342	---	0.366	---
		Top	H	17.00	17.50	1.12	---	---	---	---
		Bottom	L	16.90	17.50	1.15	---	---	---	---
		Bottom	M	17.20	17.50	1.07	0.010	---	0.011	---
		Bottom	H	17.00	17.50	1.12	---	---	---	---
		Left	L	16.90	17.50	1.15	---	---	---	---
		Left	M	17.20	17.50	1.07	0.116	---	0.124	---
		Left	H	17.00	17.50	1.12	---	---	---	---
		Right	L	16.90	17.50	1.15	---	---	---	---
		Right	M	17.20	17.50	1.07	0.044	---	0.047	---
		Right	H	17.00	17.50	1.12	---	---	---	---
	Limb	Back	L	16.90	17.50	1.15	---	---	---	---
		Back	M	17.20	17.50	1.07	0.441	---	0.472	---
		Back	H	17.00	17.50	1.12	---	---	---	---
		Front	L	16.90	17.50	1.15	---	---	---	---
		Front	M	17.20	17.50	1.07	0.862	---	0.922	---
		Front	H	17.00	17.50	1.12	---	---	---	---
		Top	L	16.90	17.50	1.15	---	---	---	---
		Top	M	17.20	17.50	1.07	0.733	---	0.784	---

		Top	H	17.00	17.50	1.12	---	---	---	---
		Bottom	L	16.90	17.50	1.15	---	---	---	---
		Bottom	M	17.20	17.50	1.07	0.010	---	0.011	---
		Bottom	H	17.00	17.50	1.12	---	---	---	---
		Left	L	16.90	17.50	1.15	---	---	---	---
		Left	M	17.20	17.50	1.07	0.265	---	0.284	---
		Left	H	17.00	17.50	1.12	---	---	---	---
		Right	L	16.90	17.50	1.15	---	---	---	---
		Right	M	17.20	17.50	1.07	0.080	---	0.086	---
		Right	H	17.00	17.50	1.12	---	---	---	---

Test case				Meas power(dBm)	Tune-up(dBm)	Scaling factor	Meas SAR(w/kg)		Report SAR(w/kg)	
NR7	Exposure condition	Position	Channel				First	Second	First	Second
π/2-BPSK	Head	Left Cheek	L	16.00	16.50	1.12	---	---	---	---
		Left Cheek	M	16.40	16.50	1.02	0.481	---	0.491	---
		Left Cheek	H	15.90	16.50	1.15	---	---	---	---
		Left tilt	L	16.00	16.50	1.12	---	---	---	---
		Left tilt	M	16.40	16.50	1.02	0.409	---	0.417	---
		Left tilt	H	15.90	16.50	1.15	---	---	---	---
		Right Cheek	L	16.00	16.50	1.12	---	---	---	---
		Right Cheek	M	16.40	16.50	1.02	0.539	---	0.550	---
		Right Cheek	H	15.90	16.50	1.15	---	---	---	---
		Right tilt	L	16.00	16.50	1.12	---	---	---	---
		Right tilt	M	16.40	16.50	1.02	0.580	---	0.592	---
		Right tilt	H	15.90	16.50	1.15	---	---	---	---
	Body-worn	Back	L	16.00	16.50	1.12	---	---	---	---
		Back	M	16.40	16.50	1.02	0.152	---	0.155	---
		Back	H	15.90	16.50	1.15	---	---	---	---
		Front	L	16.00	16.50	1.12	---	---	---	---
		Front	M	16.40	16.50	1.02	0.283	---	0.289	---
		Front	H	15.90	16.50	1.15	---	---	---	---
	Hotspot	Back	L	16.00	16.50	1.12	---	---	---	---
		Back	M	16.40	16.50	1.02	0.152	---	0.155	---
		Back	H	15.90	16.50	1.15	---	---	---	---
		Front	L	16.00	16.50	1.12	---	---	---	---
		Front	M	16.40	16.50	1.02	0.283	---	0.289	---
		Front	H	15.90	16.50	1.15	---	---	---	---
		Top	L	16.00	16.50	1.12	---	---	---	---
		Top	M	16.40	16.50	1.02	0.533	---	0.544	---
		Top	H	15.90	16.50	1.15	---	---	---	---
		Bottom	L	16.00	16.50	1.12	---	---	---	---
		Bottom	M	16.40	16.50	1.02	0.010	---	0.010	---
		Bottom	H	15.90	16.50	1.15	---	---	---	---
		Left	L	16.00	16.50	1.12	---	---	---	---
		Left	M	16.40	16.50	1.02	0.092	---	0.094	---
		Left	H	15.90	16.50	1.15	---	---	---	---
		Right	L	16.00	16.50	1.12	---	---	---	---
		Right	M	16.40	16.50	1.02	0.019	---	0.019	---
		Right	H	15.90	16.50	1.15	---	---	---	---
	Limb	Back	L	16.00	16.50	1.12	---	---	---	---
		Back	M	16.40	16.50	1.02	0.298	---	0.304	---
		Back	H	15.90	16.50	1.15	---	---	---	---
		Front	L	16.00	16.50	1.12	---	---	---	---
		Front	M	16.40	16.50	1.02	0.843	---	0.860	---
		Front	H	15.90	16.50	1.15	---	---	---	---
		Top	L	16.00	16.50	1.12	---	---	---	---
		Top	M	16.40	16.50	1.02	1.060	---	1.081	---

		Top	H	15.90	16.50	1.15	---	---	---	---
		Bottom	L	16.00	16.50	1.12	---	---	---	---
		Bottom	M	16.40	16.50	1.02	0.010	---	0.010	---
		Bottom	H	15.90	16.50	1.15	---	---	---	---
		Left	L	16.00	16.50	1.12	---	---	---	---
		Left	M	16.40	16.50	1.02	0.213	---	0.217	---
		Left	H	15.90	16.50	1.15	---	---	---	---
		Right	L	16.00	16.50	1.12	---	---	---	---
		Right	M	16.40	16.50	1.02	0.030	---	0.031	---
		Right	H	15.90	16.50	1.15	---	---	---	---

Test case				Meas power(dBm)	Tune-up(dBm)	Scaling factor	Meas SAR(w/kg)		Report SAR(w/kg)	
NR8	Exposure condition	Position	Channel				First	Second	First	Second
π/2-BPSK	Head	Left Cheek	L	24.40	25.50	1.29	---	---	---	---
		Left Cheek	M	24.60	25.50	1.23	0.231	---	0.284	---
		Left Cheek	H	25.50	25.50	1.00	---	---	---	---
		Left tilt	L	24.40	25.50	1.29	---	---	---	---
		Left tilt	M	24.60	25.50	1.23	0.035	---	0.043	---
		Left tilt	H	25.50	25.50	1.00	---	---	---	---
		Right Cheek	L	24.40	25.50	1.29	---	---	---	---
		Right Cheek	M	24.60	25.50	1.23	0.275	---	0.338	---
		Right Cheek	H	25.50	25.50	1.00	---	---	---	---
		Right tilt	L	24.40	25.50	1.29	---	---	---	---
		Right tilt	M	24.60	25.50	1.23	0.048	---	0.059	---
		Right tilt	H	25.50	25.50	1.00	---	---	---	---
	Body-worn	Back	L	24.40	25.50	1.29	---	---	---	---
		Back	M	24.60	25.50	1.23	0.245	---	0.301	---
		Back	H	25.50	25.50	1.00	---	---	---	---
		Front	L	24.40	25.50	1.29	---	---	---	---
		Front	M	24.60	25.50	1.23	0.304	---	0.374	---
		Front	H	25.50	25.50	1.00	---	---	---	---
	Hotspot	Back	L	24.40	25.50	1.29	---	---	---	---
		Back	M	24.60	25.50	1.23	0.245	---	0.301	---
		Back	H	25.50	25.50	1.00	---	---	---	---
		Front	L	24.40	25.50	1.29	---	---	---	---
		Front	M	24.60	25.50	1.23	0.304	---	0.374	---
		Front	H	25.50	25.50	1.00	---	---	---	---
		Top	L	24.40	25.50	1.29	---	---	---	---
		Top	M	24.60	25.50	1.23	0.010	---	0.012	---
		Top	H	25.50	25.50	1.00	---	---	---	---
		Bottom	L	24.40	25.50	1.29	---	---	---	---
		Bottom	M	24.60	25.50	1.23	0.010	---	0.012	---
		Bottom	H	25.50	25.50	1.00	---	---	---	---
		Left	L	24.40	25.50	1.29	---	---	---	---
		Left	M	24.60	25.50	1.23	0.404	---	0.497	---
		Left	H	25.50	25.50	1.00	---	---	---	---
		Right	L	24.40	25.50	1.29	---	---	---	---
		Right	M	24.60	25.50	1.23	0.010	---	0.012	---
		Right	H	25.50	25.50	1.00	---	---	---	---
	Limb	Back	L	24.40	25.50	1.29	---	---	---	---
		Back	M	24.60	25.50	1.23	0.431	---	0.530	---
		Back	H	25.50	25.50	1.00	---	---	---	---
		Front	L	24.40	25.50	1.29	---	---	---	---
		Front	M	24.60	25.50	1.23	0.598	---	0.736	---
		Front	H	25.50	25.50	1.00	---	---	---	---
		Top	L	24.40	25.50	1.29	---	---	---	---
		Top	M	24.60	25.50	1.23	0.021	---	0.026	---

		Top	H	25.50	25.50	1.00	---	---	---	---
		Bottom	L	24.40	25.50	1.29	---	---	---	---
		Bottom	M	24.60	25.50	1.23	0.024	---	0.030	---
		Bottom	H	25.50	25.50	1.00	---	---	---	---
		Left	L	24.40	25.50	1.29	---	---	---	---
		Left	M	24.60	25.50	1.23	0.585	---	0.720	---
		Left	H	25.50	25.50	1.00	---	---	---	---
		Right	L	24.40	25.50	1.29	---	---	---	---
		Right	M	24.60	25.50	1.23	0.010	---	0.012	---
		Right	H	25.50	25.50	1.00	---	---	---	---

Test case				Meas power(dBm)	Tune-up(dBm)	Scaling factor	Meas SAR(w/kg)		Report SAR(w/kg)	
NR20	Exposure condition	Position	Channel				First	Second	First	Second
π/2-BPSK	Head	Left Cheek	L	22.70	23.00	1.07	---	---	---	---
		Left Cheek	M	22.80	23.00	1.05	0.164	---	0.172	---
		Left Cheek	H	22.60	23.00	1.10	---	---	---	---
		Left tilt	L	22.70	23.00	1.07	---	---	---	---
		Left tilt	M	22.80	23.00	1.05	0.024	---	0.025	---
		Left tilt	H	22.60	23.00	1.10	---	---	---	---
		Right Cheek	L	22.70	23.00	1.07	---	---	---	---
		Right Cheek	M	22.80	23.00	1.05	0.216	---	0.227	---
		Right Cheek	H	22.60	23.00	1.10	---	---	---	---
		Right tilt	L	22.70	23.00	1.07	---	---	---	---
		Right tilt	M	22.80	23.00	1.05	0.042	---	0.044	---
		Right tilt	H	22.60	23.00	1.10	---	---	---	---
	Body-worn	Back	L	22.70	23.00	1.07	---	---	---	---
		Back	M	22.80	23.00	1.05	0.185	---	0.194	---
		Back	H	22.60	23.00	1.10	---	---	---	---
		Front	L	22.70	23.00	1.07	---	---	---	---
		Front	M	22.80	23.00	1.05	0.226	---	0.237	---
		Front	H	22.60	23.00	1.10	---	---	---	---
	Hotspot	Back	L	22.70	23.00	1.07	---	---	---	---
		Back	M	22.80	23.00	1.05	0.185	---	0.194	---
		Back	H	22.60	23.00	1.10	---	---	---	---
		Front	L	22.70	23.00	1.07	---	---	---	---
		Front	M	22.80	23.00	1.05	0.226	---	0.237	---
		Front	H	22.60	23.00	1.10	---	---	---	---
		Top	L	22.70	23.00	1.07	---	---	---	---
		Top	M	22.80	23.00	1.05	0.010	---	0.011	---
		Top	H	22.60	23.00	1.10	---	---	---	---
		Bottom	L	22.70	23.00	1.07	---	---	---	---
		Bottom	M	22.80	23.00	1.05	0.010	---	0.011	---
		Bottom	H	22.60	23.00	1.10	---	---	---	---
		Left	L	22.70	23.00	1.07	---	---	---	---
		Left	M	22.80	23.00	1.05	0.260	---	0.273	---
		Left	H	22.60	23.00	1.10	---	---	---	---
		Right	L	22.70	23.00	1.07	---	---	---	---
		Right	M	22.80	23.00	1.05	0.010	---	0.011	---
		Right	H	22.60	23.00	1.10	---	---	---	---
	Limb	Back	L	22.70	23.00	1.07	---	---	---	---
		Back	M	22.80	23.00	1.05	0.338	---	0.355	---
		Back	H	22.60	23.00	1.10	---	---	---	---
		Front	L	22.70	23.00	1.07	---	---	---	---
		Front	M	22.80	23.00	1.05	0.472	---	0.496	---
		Front	H	22.60	23.00	1.10	---	---	---	---
		Top	L	22.70	23.00	1.07	---	---	---	---
		Top	M	22.80	23.00	1.05	0.026	---	0.027	---

		Top	H	22.60	23.00	1.10	---	---	---	---
		Bottom	L	22.70	23.00	1.07	---	---	---	---
		Bottom	M	22.80	23.00	1.05	0.018	---	0.019	---
		Bottom	H	22.60	23.00	1.10	---	---	---	---
		Left	L	22.70	23.00	1.07	---	---	---	---
		Left	M	22.80	23.00	1.05	0.524	---	0.550	---
		Left	H	22.60	23.00	1.10	---	---	---	---
		Right	L	22.70	23.00	1.07	---	---	---	---
		Right	M	22.80	23.00	1.05	0.010	---	0.011	---
		Right	H	22.60	23.00	1.10	---	---	---	---

Test case				Meas power(dBm)	Tune-up(dBm)	Scaling factor	Meas SAR(w/kg)		Report SAR(w/kg)	
NR28	Exposure condition	Position	Channel				First	Second	First	Second
π/2-BPSK	Head	Left Cheek	L	23.80	24.00	1.05	---	---	---	---
		Left Cheek	M	23.90	24.00	1.02	0.157	---	0.160	---
		Left Cheek	H	23.60	24.00	1.10	---	---	---	---
		Left tilt	L	23.80	24.00	1.05	---	---	---	---
		Left tilt	M	23.90	24.00	1.02	0.026	---	0.027	---
		Left tilt	H	23.60	24.00	1.10	---	---	---	---
		Right Cheek	L	23.80	24.00	1.05	---	---	---	---
		Right Cheek	M	23.90	24.00	1.02	0.137	---	0.140	---
		Right Cheek	H	23.60	24.00	1.10	---	---	---	---
		Right tilt	L	23.80	24.00	1.05	---	---	---	---
		Right tilt	M	23.90	24.00	1.02	0.038	---	0.039	---
		Right tilt	H	23.60	24.00	1.10	---	---	---	---
	Body-worn	Back	L	23.80	24.00	1.05	---	---	---	---
		Back	M	23.90	24.00	1.02	0.139	---	0.142	---
		Back	H	23.60	24.00	1.10	---	---	---	---
		Front	L	23.80	24.00	1.05	---	---	---	---
		Front	M	23.90	24.00	1.02	0.164	---	0.167	---
		Front	H	23.60	24.00	1.10	---	---	---	---
	Hotspot	Back	L	23.80	24.00	1.05	---	---	---	---
		Back	M	23.90	24.00	1.02	0.139	---	0.142	---
		Back	H	23.60	24.00	1.10	---	---	---	---
		Front	L	23.80	24.00	1.05	---	---	---	---
		Front	M	23.90	24.00	1.02	0.164	---	0.167	---
		Front	H	23.60	24.00	1.10	---	---	---	---
		Top	L	23.80	24.00	1.05	---	---	---	---
		Top	M	23.90	24.00	1.02	0.010	---	0.010	---
		Top	H	23.60	24.00	1.10	---	---	---	---
		Bottom	L	23.80	24.00	1.05	---	---	---	---
		Bottom	M	23.90	24.00	1.02	0.010	---	0.010	---
		Bottom	H	23.60	24.00	1.10	---	---	---	---
		Left	L	23.80	24.00	1.05	---	---	---	---
		Left	M	23.90	24.00	1.02	0.217	---	0.221	---
		Left	H	23.60	24.00	1.10	---	---	---	---
		Right	L	23.80	24.00	1.05	---	---	---	---
		Right	M	23.90	24.00	1.02	0.010	---	0.010	---
		Right	H	23.60	24.00	1.10	---	---	---	---
	Limb	Back	L	23.80	24.00	1.05	---	---	---	---
		Back	M	23.90	24.00	1.02	0.246	---	0.251	---
		Back	H	23.60	24.00	1.10	---	---	---	---
		Front	L	23.80	24.00	1.05	---	---	---	---
		Front	M	23.90	24.00	1.02	0.327	---	0.334	---
		Front	H	23.60	24.00	1.10	---	---	---	---
		Top	L	23.80	24.00	1.05	---	---	---	---
		Top	M	23.90	24.00	1.02	0.010	---	0.010	---

		Top	H	23.60	24.00	1.10	---	---	---	---
		Bottom	L	23.80	24.00	1.05	---	---	---	---
		Bottom	M	23.90	24.00	1.02	0.010	---	0.010	---
		Bottom	H	23.60	24.00	1.10	---	---	---	---
		Left	L	23.80	24.00	1.05	---	---	---	---
		Left	M	23.90	24.00	1.02	0.448	---	0.457	---
		Left	H	23.60	24.00	1.10	---	---	---	---
		Right	L	23.80	24.00	1.05	---	---	---	---
		Right	M	23.90	24.00	1.02	0.010	---	0.010	---
		Right	H	23.60	24.00	1.10	---	---	---	---

Test case				Meas power(dBm)	Tune-up(dBm)	Scaling factor	Meas SAR(w/kg)		Report SAR(w/kg)	
NR38	Exposure condition	Position	Channel				First	Second	First	Second
π/2-BPSK	Head	Left Cheek	L	16.90	17.00	1.02	---	---	---	---
		Left Cheek	M	17.00	17.00	1.00	0.315	---	0.315	---
		Left Cheek	H	16.40	17.00	1.15	---	---	---	---
		Left tilt	L	16.90	17.00	1.02	---	---	---	---
		Left tilt	M	17.00	17.00	1.00	0.424	---	0.424	---
		Left tilt	H	16.40	17.00	1.15	---	---	---	---
		Right Cheek	L	16.90	17.00	1.02	---	---	---	---
		Right Cheek	M	17.00	17.00	1.00	0.456	---	0.456	---
		Right Cheek	H	16.40	17.00	1.15	---	---	---	---
		Right tilt	L	16.90	17.00	1.02	---	---	---	---
		Right tilt	M	17.00	17.00	1.00	0.546	---	0.546	---
		Right tilt	H	16.40	17.00	1.15	---	---	---	---
	Body-worn	Back	L	16.90	17.00	1.02	---	---	---	---
		Back	M	17.00	17.00	1.00	0.143	---	0.143	---
		Back	H	16.40	17.00	1.15	---	---	---	---
		Front	L	16.90	17.00	1.02	---	---	---	---
		Front	M	17.00	17.00	1.00	0.265	---	0.265	---
		Front	H	16.40	17.00	1.15	---	---	---	---
	Hotspot	Back	L	16.90	17.00	1.02	---	---	---	---
		Back	M	17.00	17.00	1.00	0.143	---	0.143	---
		Back	H	16.40	17.00	1.15	---	---	---	---
		Front	L	16.90	17.00	1.02	---	---	---	---
		Front	M	17.00	17.00	1.00	0.265	---	0.265	---
		Front	H	16.40	17.00	1.15	---	---	---	---
		Top	L	16.90	17.00	1.02	---	---	---	---
		Top	M	17.00	17.00	1.00	0.566	---	0.566	---
		Top	H	16.40	17.00	1.15	---	---	---	---
		Bottom	L	16.90	17.00	1.02	---	---	---	---
		Bottom	M	17.00	17.00	1.00	0.010	---	0.010	---
		Bottom	H	16.40	17.00	1.15	---	---	---	---
		Left	L	16.90	17.00	1.02	---	---	---	---
		Left	M	17.00	17.00	1.00	0.075	---	0.075	---
		Left	H	16.40	17.00	1.15	---	---	---	---
		Right	L	16.90	17.00	1.02	---	---	---	---
		Right	M	17.00	17.00	1.00	0.010	---	0.010	---
		Right	H	16.40	17.00	1.15	---	---	---	---
	Limb	Back	L	16.90	17.00	1.02	---	---	---	---
		Back	M	17.00	17.00	1.00	0.248	---	0.248	---
		Back	H	16.40	17.00	1.15	---	---	---	---
		Front	L	16.90	17.00	1.02	---	---	---	---
		Front	M	17.00	17.00	1.00	0.717	---	0.717	---
		Front	H	16.40	17.00	1.15	---	---	---	---
		Top	L	16.90	17.00	1.02	---	---	---	---
		Top	M	17.00	17.00	1.00	1.180	---	1.180	---

		Top	H	16.40	17.00	1.15	---	---	---	---
		Bottom	L	16.90	17.00	1.02	---	---	---	---
		Bottom	M	17.00	17.00	1.00	0.010	---	0.010	---
		Bottom	H	16.40	17.00	1.15	---	---	---	---
		Left	L	16.90	17.00	1.02	---	---	---	---
		Left	M	17.00	17.00	1.00	0.154	---	0.154	---
		Left	H	16.40	17.00	1.15	---	---	---	---
		Right	L	16.90	17.00	1.02	---	---	---	---
		Right	M	17.00	17.00	1.00	0.010	---	0.010	---
		Right	H	16.40	17.00	1.15	---	---	---	---

Test case				Meas power(dBm)	Tune-up(dBm)	Scaling factor	Meas SAR(w/kg)		Report SAR(w/kg)	
NR40	Exposure condition	Position	Channel				First	Second	First	Second
π/2-BPSK	Head	Left Cheek	L	22.20	22.50	1.07	---	---	---	---
		Left Cheek	M	22.30	22.50	1.05	0.134	---	0.141	---
		Left Cheek	H	22.10	22.50	1.10	---	---	---	---
		Left tilt	L	22.20	22.50	1.07	---	---	---	---
		Left tilt	M	22.30	22.50	1.05	0.060	---	0.063	---
		Left tilt	H	22.10	22.50	1.10	---	---	---	---
		Right Cheek	L	22.20	22.50	1.07	---	---	---	---
		Right Cheek	M	22.30	22.50	1.05	0.125	---	0.131	---
		Right Cheek	H	22.10	22.50	1.10	---	---	---	---
		Right tilt	L	22.20	22.50	1.07		---	---	---
		Right tilt	M	22.30	22.50	1.05	0.044	---	0.046	---
		Right tilt	H	22.10	22.50	1.10	---	---	---	---
	Body-worn	Back	L	22.20	22.50	1.07	---	---	---	---
		Back	M	22.30	22.50	1.05	0.273	---	0.287	---
		Back	H	22.10	22.50	1.10	---	---	---	---
		Front	L	22.20	22.50	1.07	---	---	---	---
		Front	M	22.30	22.50	1.05	0.398	---	0.418	---
		Front	H	22.10	22.50	1.10	---	---	---	---
	Hotspot	Back	L	22.20	22.50	1.07	---	---	---	---
		Back	M	22.30	22.50	1.05	0.273	---	0.287	---
		Back	H	22.10	22.50	1.10	---	---	---	---
		Front	L	22.20	22.50	1.07	---	---	---	---
		Front	M	22.30	22.50	1.05	0.398	---	0.418	---
		Front	H	22.10	22.50	1.10	---	---	---	---
		Top	L	22.20	22.50	1.07	---	---	---	---
		Top	M	22.30	22.50	1.05	0.020	---	0.021	---
		Top	H	22.10	22.50	1.10	---	---	---	---
		Bottom	L	22.20	22.50	1.07	---	---	---	---
		Bottom	M	22.30	22.50	1.05	0.073	---	0.077	---
		Bottom	H	22.10	22.50	1.10	---	---	---	---
		Left	L	22.20	22.50	1.07	---	---	---	---
		Left	M	22.30	22.50	1.05	0.010	---	0.011	---
		Left	H	22.10	22.50	1.10	---	---	---	---
		Right	L	22.20	22.50	1.07	---	---	---	---
		Right	M	22.30	22.50	1.05	0.573	---	0.602	---
		Right	H	22.10	22.50	1.10	---	---	---	---
	Limb	Back	L	22.20	22.50	1.07	---	---	---	---
		Back	M	22.30	22.50	1.05	0.745	---	0.782	---
		Back	H	22.10	22.50	1.10	---	---	---	---
		Front	L	22.20	22.50	1.07	---	---	---	---
		Front	M	22.30	22.50	1.05	1.090	---	1.145	---
		Front	H	22.10	22.50	1.10	---	---	---	---
		Top	L	22.20	22.50	1.07	---	---	---	---
		Top	M	22.30	22.50	1.05	0.046	---	0.048	---

		Top	H	22.10	22.50	1.10	---	---	---	---
		Bottom	L	22.20	22.50	1.07	---	---	---	---
		Bottom	M	22.30	22.50	1.05	0.149	---	0.156	---
		Bottom	H	22.10	22.50	1.10	---	---	---	---
		Left	L	22.20	22.50	1.07	---	---	---	---
		Left	M	22.30	22.50	1.05	0.053	---	0.056	---
		Left	H	22.10	22.50	1.10	---	---	---	---
		Right	L	22.20	22.50	1.07	---	---	---	---
		Right	M	22.30	22.50	1.05	1.110	---	1.166	---
		Right	H	22.10	22.50	1.10	---	---	---	---

Test case				Meas power(dBm)	Tune-up(dBm)	Scaling factor	Meas SAR(w/kg)		Report SAR(w/kg)	
NR48	Exposure condition	Position	Channel				First	Second	First	Second
π/2-BPSK	Head	Left Cheek	L	21.40	22.00	1.15	---	---	---	---
		Left Cheek	M	21.80	22.00	1.05	0.063	---	0.066	---
		Left Cheek	H	21.60	22.00	1.10	---	---	---	---
		Left tilt	L	21.40	22.00	1.15	---	---	---	---
		Left tilt	M	21.80	22.00	1.05	0.032	---	0.034	---
		Left tilt	H	21.60	22.00	1.10	---	---	---	---
		Right Cheek	L	21.40	22.00	1.15	---	---	---	---
		Right Cheek	M	21.80	22.00	1.05	0.057	---	0.060	---
		Right Cheek	H	21.60	22.00	1.10	---	---	---	---
		Right tilt	L	21.40	22.00	1.15	---	---	---	---
		Right tilt	M	21.80	22.00	1.05	0.051	---	0.054	---
		Right tilt	H	21.60	22.00	1.10	---	---	---	---
	Body-worn	Back	L	21.40	22.00	1.15	---	---	---	---
		Back	M	21.80	22.00	1.05	0.228	---	0.239	---
		Back	H	21.60	22.00	1.10	---	---	---	---
		Front	L	21.40	22.00	1.15	---	---	---	---
		Front	M	21.80	22.00	1.05	0.305	---	0.320	---
		Front	H	21.60	22.00	1.10	---	---	---	---
	Hotspot	Back	L	21.40	22.00	1.15	---	---	---	---
		Back	M	21.80	22.00	1.05	0.228	---	0.239	---
		Back	H	21.60	22.00	1.10	---	---	---	---
		Front	L	21.40	22.00	1.15	---	---	---	---
		Front	M	21.80	22.00	1.05	0.305	---	0.320	---
		Front	H	21.60	22.00	1.10	---	---	---	---
		Top	L	21.40	22.00	1.15	---	---	---	---
		Top	M	21.80	22.00	1.05	0.029	---	0.030	---
		Top	H	21.60	22.00	1.10	---	---	---	---
		Bottom	L	21.40	22.00	1.15	---	---	---	---
		Bottom	M	21.80	22.00	1.05	0.234	---	0.246	---
		Bottom	H	21.60	22.00	1.10	---	---	---	---
		Left	L	21.40	22.00	1.15	---	---	---	---
		Left	M	21.80	22.00	1.05	0.566	---	0.594	---
		Left	H	21.60	22.00	1.10	---	---	---	---
		Right	L	21.40	22.00	1.15	---	---	---	---
		Right	M	21.80	22.00	1.05	0.062	---	0.065	---
		Right	H	21.60	22.00	1.10	---	---	---	---
	Limb	Back	L	21.40	22.00	1.15	---	---	---	---
		Back	M	21.80	22.00	1.05	0.634	---	0.666	---
		Back	H	21.60	22.00	1.10	---	---	---	---
		Front	L	21.40	22.00	1.15	---	---	---	---
		Front	M	21.80	22.00	1.05	1.260	---	1.323	---
		Front	H	21.60	22.00	1.10	---	---	---	---
		Top	L	21.40	22.00	1.15	---	---	---	---
		Top	M	21.80	22.00	1.05	0.069	---	0.072	---

		Top	H	21.60	22.00	1.10	---	---	---	---
		Bottom	L	21.40	22.00	1.15	---	---	---	---
		Bottom	M	21.80	22.00	1.05	0.297	---	0.312	---
		Bottom	H	21.60	22.00	1.10	---	---	---	---
		Left	L	21.40	22.00	1.15	---	---	---	---
		Left	M	21.80	22.00	1.05	1.710	---	1.796	---
		Left	H	21.60	22.00	1.10	---	---	---	---
		Right	L	21.40	22.00	1.15	---	---	---	---
		Right	M	21.80	22.00	1.05	0.100	---	0.105	---
		Right	H	21.60	22.00	1.10	---	---	---	---

Test case				Meas power(dBm)	Tune-up(dBm)	Scaling factor	Meas SAR(w/kg)		Report SAR(w/kg)	
NR77	Exposure condition	Position	Channel				First	Second	First	Second
π/2-BPSK	Head	Left touch	L	21.90	22.00	1.02	---	---	---	---
		Left touch	L-M1	---	22.00	---	---	---	---	---
		Left touch	L-M2	---	---	---	---	---	---	---
		Left touch	M	22.00	22.00	1.00	0.096	---	0.096	---
		Left touch	M-H1	---	22.00	---	---	---	---	---
		Left touch	M-H2	---	---	---	---	---	---	---
		Left touch	H	21.80	22.00	1.05	---	---	---	---
		Left tilt	L	21.90	22.00	1.02	---	---	---	---
		Left tilt	L-M1	---	22.00	---	---	---	---	---
		Left tilt	L-M2	---	---	---	---	---	---	---
		Left tilt	M	22.00	22.00	1.00	0.027	---	0.027	---
		Left tilt	M-H1	---	22.00	---	---	---	---	---
		Left tilt	M-H2	---	---	---	---	---	---	---
		Left tilt	H	21.80	22.00	1.05	---	---	---	---
		Right touch	L	21.90	22.00	1.02	---	---	---	---
		Right touch	L-M1	---	22.00	---	---	---	---	---
		Right touch	L-M2	---	---	---	---	---	---	---
		Right touch	M	22.00	22.00	1.00	0.042	---	0.042	---
		Right touch	M-H1	---	22.00	---	---	---	---	---
		Right touch	M-H2	---	---	---	---	---	---	---
		Right touch	H	21.80	22.00	1.05	---	---	---	---
		Right tilt	L	21.90	22.00	1.02	---	---	---	---
		Right tilt	L-M1	---	22.00	---	---	---	---	---
		Right tilt	L-M2	---	---	---	---	---	---	---
		Right tilt	M	22.00	22.00	1.00	0.039	---	0.039	---
		Right tilt	M-H1	---	22.00	---	---	---	---	---
		Right tilt	M-H2	---	---	---	---	---	---	---
		Right tilt	H	21.80	22.00	1.05	---	---	---	---
	Body-worn	Back	L	21.90	22.00	1.02	---	---	---	---
		Back	L-M1	---	22.00	---	---	---	---	---
		Back	L-M2	---	---	---	---	---	---	---
		Back	M	22.00	22.00	1.00	0.244	---	0.244	---
		Back	M-H1	---	22.00	---	---	---	---	---
		Back	M-H2	---	---	---	---	---	---	---
		Back	H	21.80	22.00	1.05	---	---	---	---
		Front	L	21.90	22.00	1.02	---	---	---	---
		Front	L-M1	---	22.00	---	---	---	---	---
		Front	L-M2	---	---	---	---	---	---	---
		Front	M	22.00	22.00	1.00	0.310	---	0.310	---
		Front	M-H1	---	22.00	---	---	---	---	---
		Front	M-H2	---	---	---	---	---	---	---
		Front	H	21.80	22.00	1.05	---	---	---	---
	Hotspot	Back	L	21.90	22.00	1.02	---	---	---	---
		Back	L-M1	---	22.00	---	---	---	---	---

		Back	L-M2	---	---	---	---	---	---	---
		Back	M	22.00	22.00	1.00	0.244	---	0.244	---
		Back	M-H1	---	22.00	---	---	---	---	---
		Back	M-H2	---	---	---	---	---	---	---
		Back	H	21.80	22.00	1.05	---	---	---	---
		Front	L	21.90	22.00	1.02	---	---	---	---
		Front	L-M1	---	22.00	---	---	---	---	---
		Front	L-M2	---	---	---	---	---	---	---
		Front	M	22.00	22.00	1.00	0.310	---	0.310	---
		Front	M-H1	---	22.00	---	---	---	---	---
		Front	M-H2	---	---	---	---	---	---	---
		Front	H	21.80	22.00	1.05	---	---	---	---
		Top	L	21.90	22.00	1.02	---	---	---	---
		Top	L-M1	---	22.00	---	---	---	---	---
		Top	L-M2	---	---	---	---	---	---	---
		Top	M	22.00	22.00	1.00	0.032	---	0.032	---
		Top	M-H1	---	22.00	---	---	---	---	---
		Top	M-H2	---	---	---	---	---	---	---
		Top	H	21.80	22.00	1.05	---	---	---	---
		Bottom	L	21.90	22.00	1.02	---	---	---	---
		Bottom	L-M1	---	22.00	---	---	---	---	---
		Bottom	L-M2	---	---	---	---	---	---	---
		Bottom	M	22.00	22.00	1.00	0.131	---	0.131	---
		Bottom	M-H1	---	22.00	---	---	---	---	---
		Bottom	M-H2	---	---	---	---	---	---	---
		Bottom	H	21.80	22.00	1.05	---	---	---	---
		Left	L	21.90	22.00	1.02	---	---	---	---
		Left	L-M1	---	22.00	---	---	---	---	---
		Left	L-M2	---	---	---	---	---	---	---
		Left	M	22.00	22.00	1.00	0.630	---	0.630	---
		Left	M-H1	---	22.00	---	---	---	---	---
		Left	M-H2	---	---	---	---	---	---	---
		Left	H	21.80	22.00	1.05	---	---	---	---
		Right	L	21.90	22.00	1.02	---	---	---	---
		Right	L-M1	---	22.00	---	---	---	---	---
		Right	L-M2	---	---	---	---	---	---	---
		Right	M	22.00	22.00	1.00	0.037	---	0.037	---
		Right	M-H1	---	22.00	---	---	---	---	---
		Right	M-H2	---	---	---	---	---	---	---
		Right	H	21.80	22.00	1.05	---	---	---	---
	Limb	Back	L	21.90	22.00	1.02	---	---	---	---
		Back	L-M1	---	22.00	---	---	---	---	---
		Back	L-M2	---	---	---	---	---	---	---
		Back	M	22.00	22.00	1.00	0.656	---	0.656	---
		Back	M-H1	---	22.00	---	---	---	---	---
		Back	M-H2	---	---	---	---	---	---	---
		Back	H	21.80	22.00	1.05	---	---	---	---

		Front	L	21.90	22.00	1.02	---	---	---	---
		Front	L-M1	---	22.00	---	---	---	---	---
		Front	L-M2	---	---	---	---	---	---	---
		Front	M	22.00	22.00	1.00	1.060	---	1.060	---
		Front	M-H1	---	22.00	---	---	---	---	---
		Front	M-H2	---	---	---	---	---	---	---
		Front	H	21.80	22.00	1.05	---	---	---	---
		Top	L	21.90	22.00	1.02	---	---	---	---
		Top	L-M1	---	22.00	---	---	---	---	---
		Top	L-M2	---	---	---	---	---	---	---
		Top	M	22.00	22.00	1.00	0.056	---	0.056	---
		Top	M-H1	---	22.00	---	---	---	---	---
		Top	M-H2	---	---	---	---	---	---	---
		Top	H	21.80	22.00	1.05	---	---	---	---
		Bottom	L	21.90	22.00	1.02	---	---	---	---
		Bottom	L-M1	---	22.00	---	---	---	---	---
		Bottom	L-M2	---	---	---	---	---	---	---
		Bottom	M	22.00	22.00	1.00	0.301	---	0.301	---
		Bottom	M-H1	---	22.00	---	---	---	---	---
		Bottom	M-H2	---	---	---	---	---	---	---
		Bottom	H	21.80	22.00	1.05	---	---	---	---
		Left	L	21.90	22.00	1.02	---	---	---	---
		Left	L-M1	---	22.00	---	---	---	---	---
		Left	L-M2	---	---	---	---	---	---	---
		Left	M	22.00	22.00	1.00	1.650	---	1.650	---
		Left	M-H1	---	22.00	---	---	---	---	---
		Left	M-H2	---	---	---	---	---	---	---
		Left	H	21.80	22.00	1.05	---	---	---	---
		Right	L	21.90	22.00	1.02	---	---	---	---
		Right	L-M1	---	22.00	---	---	---	---	---
		Right	L-M2	---	---	---	---	---	---	---
		Right	M	22.00	22.00	1.00	0.064	---	0.064	---
		Right	M-H1	---	22.00	---	---	---	---	---
		Right	M-H2	---	---	---	---	---	---	---
		Right	H	21.80	22.00	1.05	---	---	---	---

Test case				Meas power(dBm)	Tune-up(dBm)	Scaling factor	Meas SAR(w/kg)		Report SAR(w/kg)	
NR78	Exposure condition	Position	Channel				First	Second	First	Second
π/2-BPSK	Head	Left touch	L	22.40	22.50	1.02	---	---	---	---
		Left touch	L-M	---	22.50	---	---	---	---	---
		Left touch	M	22.50	22.50	1.00	0.010	---	0.010	---
		Left touch	M-H	---	22.50	---	---	---	---	---
		Left touch	H	22.30	22.50	1.05	---	---	---	---
		Left tilt	L	22.40	22.50	1.02	---	---	---	---
		Left tilt	L-M	---	22.50	---	---	---	---	---
		Left tilt	M	22.50	22.50	1.00	0.010	---	0.010	---
		Left tilt	M-H	---	22.50	---	---	---	---	---
		Left tilt	H	22.30	22.50	1.05	---	---	---	---
		Right touch	L	22.40	22.50	1.02	---	---	---	---
		Right touch	L-M	---	22.50	---	---	---	---	---
		Right touch	M	22.50	22.50	1.00	0.010	---	0.010	---
		Right touch	M-H	---	22.50	---	---	---	---	---
		Right touch	H	22.30	22.50	1.05	---	---	---	---
		Right tilt	L	22.40	22.50	1.02	---	---	---	---
		Right tilt	L-M	---	22.50	---	---	---	---	---
		Right tilt	M	22.50	22.50	1.00	0.010	---	0.010	---
		Right tilt	M-H	---	22.50	---	---	---	---	---
		Right tilt	H	22.30	22.50	1.05	---	---	---	---
	Body-worn	Back	L	22.40	22.50	1.02	---	---	---	---
		Back	L-M	---	22.50	---	---	---	---	---
		Back	M	22.50	22.50	1.00	0.096	---	0.096	---
		Back	M-H	---	22.50	---	---	---	---	---
		Back	H	22.30	22.50	1.05	---	---	---	---
		Front	L	22.40	22.50	1.02	---	---	---	---
		Front	L-M	---	22.50	---	---	---	---	---
		Front	M	22.50	22.50	1.00	0.089	---	0.089	---
		Front	M-H	---	22.50	---	---	---	---	---
		Front	H	22.30	22.50	1.05	---	---	---	---
	Hotspot	Back	L	22.40	22.50	1.02	---	---	---	---
		Back	L-M	---	22.50	---	---	---	---	---
		Back	M	22.50	22.50	1.00	0.096	---	0.096	---
		Back	M-H	---	22.50	---	---	---	---	---
		Back	H	22.30	22.50	1.05	---	---	---	---
		Front	L	22.40	22.50	1.02	---	---	---	---
		Front	L-M	---	22.50	---	---	---	---	---
		Front	M	22.50	22.50	1.00	0.089	---	0.089	---
		Front	M-H	---	22.50	---	---	---	---	---
		Front	H	22.30	22.50	1.05	---	---	---	---
		Top	L	22.40	22.50	1.02	---	---	---	---
		Top	L-M	---	22.50	---	---	---	---	---
		Top	M	22.50	22.50	1.00	0.010	---	0.010	---
		Top	M-H	---	22.50	---	---	---	---	---

		Top	H	22.30	22.50	1.05	---	---	---	---
		Bottom	L	22.40	22.50	1.02	---	---	---	---
		Bottom	L-M	---	22.50	---	---	---	---	---
		Bottom	M	22.50	22.50	1.00	0.072	---	0.072	---
		Bottom	M-H	---	22.50	---	---	---	---	---
		Bottom	H	22.30	22.50	1.05	---	---	---	---
		Left	L	22.40	22.50	1.02	---	---	---	---
		Left	L-M	---	22.50	---	---	---	---	---
		Left	M	22.50	22.50	1.00	0.175	---	0.175	---
		Left	M-H	---	22.50	---	---	---	---	---
		Left	H	22.30	22.50	1.05	---	---	---	---
		Right	L	22.40	22.50	1.02	---	---	---	---
		Right	L-M	---	22.50	---	---	---	---	---
		Right	M	22.50	22.50	1.00	0.010	---	0.010	---
		Right	M-H	---	22.50	---	---	---	---	---
		Right	H	22.30	22.50	1.05	---	---	---	---
	Limb	Back	L	22.40	22.50	1.02	---	---	---	---
		Back	L-M	---	22.50	---	---	---	---	---
		Back	M	22.50	22.50	1.00	0.272	---	0.272	---
		Back	M-H	---	22.50	---	---	---	---	---
		Back	H	22.30	22.50	1.05	---	---	---	---
		Front	L	22.40	22.50	1.02	---	---	---	---
		Front	L-M	---	22.50	---	---	---	---	---
		Front	M	22.50	22.50	1.00	0.313	---	0.313	---
		Front	M-H	---	22.50	---	---	---	---	---
		Front	H	22.30	22.50	1.05	---	---	---	---
		Top	L	22.40	22.50	1.02	---	---	---	---
		Top	L-M	---	22.50	---	---	---	---	---
		Top	M	22.50	22.50	1.00	0.010	---	0.010	---
		Top	M-H	---	22.50	---	---	---	---	---
		Top	H	22.30	22.50	1.05	---	---	---	---
		Bottom	L	22.40	22.50	1.02	---	---	---	---
		Bottom	L-M	---	22.50	---	---	---	---	---
		Bottom	M	22.50	22.50	1.00	0.134	---	0.134	---
		Bottom	M-H	---	22.50	---	---	---	---	---
		Bottom	H	22.30	22.50	1.05	---	---	---	---
		Left	L	22.40	22.50	1.02	---	---	---	---
		Left	L-M	---	22.50	---	---	---	---	---
		Left	M	22.50	22.50	1.00	0.629	---	0.629	---
		Left	M-H	---	22.50	---	---	---	---	---
		Left	H	22.30	22.50	1.05	---	---	---	---
		Right	L	22.40	22.50	1.02	---	---	---	---
		Right	L-M	---	22.50	---	---	---	---	---
		Right	M	22.50	22.50	1.00	0.031	---	0.031	---
		Right	M-H	---	22.50	---	---	---	---	---
		Right	H	22.30	22.50	1.05	---	---	---	---

7.2.3 Unlicensed SISO1

Test case				Meas power(dBm)	Tune-up (dBm)	Scaling factor	Duty cycle	Duty factor	Meas SAR(w/kg)		Report SAR(w/kg)	
BT	Exposure condition	Position	Channel						First	Second	First	Second
BR	Head	Left Cheek	L	8.85	9.00	1.04	100%	1.00	---	---	---	---
		Left Cheek	M	8.82	9.00	1.04	100%	1.00	0.097	---	0.101	---
		Left Cheek	H	8.81	9.00	1.04	100%	1.00	---	---	---	---
		Left tilt	L	8.85	9.00	1.04	100%	1.00	---	---	---	---
		Left tilt	M	8.82	9.00	1.04	100%	1.00	0.083	---	0.086	---
		Left tilt	H	8.81	9.00	1.04	100%	1.00	---	---	---	---
		Right Cheek	L	8.85	9.00	1.04	100%	1.00	---	---	---	---
		Right Cheek	M	8.82	9.00	1.04	100%	1.00	0.057	---	0.059	---
		Right Cheek	H	8.81	9.00	1.04	100%	1.00	---	---	---	---
		Right tilt	L	8.85	9.00	1.04	100%	1.00	---	---	---	---
		Right tilt	M	8.82	9.00	1.04	100%	1.00	0.048	---	0.050	---
		Right tilt	H	8.81	9.00	1.04	100%	1.00	---	---	---	---
	Body-worn	Back	L	8.85	9.00	1.04	100%	1.00	---	---	---	---
		Back	M	8.82	9.00	1.04	100%	1.00	0.044	---	0.046	---
		Back	H	8.81	9.00	1.04	100%	1.00	---	---	---	---
		Front	L	8.85	9.00	1.04	100%	1.00	---	---	---	---
		Front	M	8.82	9.00	1.04	100%	1.00	0.056	---	0.058	---
		Front	H	8.81	9.00	1.04	100%	1.00	---	---	---	---
	Body	Back	L	8.85	9.00	1.04	100%	1.00	---	---	---	---
		Back	M	8.82	9.00	1.04	100%	1.00	0.044	---	0.046	---
		Back	H	8.81	9.00	1.04	100%	1.00	---	---	---	---
		Front	L	8.85	9.00	1.04	100%	1.00	---	---	---	---
		Front	M	8.82	9.00	1.04	100%	1.00	0.056	---	0.058	---
		Front	H	8.81	9.00	1.04	100%	1.00	---	---	---	---
		Top	L	8.85	9.00	1.04	100%	1.00	---	---	---	---
		Top	M	8.82	9.00	1.04	100%	1.00	0.054	---	0.056	---
		Top	H	8.81	9.00	1.04	100%	1.00	---	---	---	---
		Bottom	L	8.85	9.00	1.04	100%	1.00	---	---	---	---
		Bottom	M	8.82	9.00	1.04	100%	1.00	0.010	---	0.010	---
		Bottom	H	8.81	9.00	1.04	100%	1.00	---	---	---	---
		Left	L	8.85	9.00	1.04	100%	1.00	---	---	---	---
		Left	M	8.82	9.00	1.04	100%	1.00	0.010	---	0.010	---
		Left	H	8.81	9.00	1.04	100%	1.00	---	---	---	---
		Right	L	8.85	9.00	1.04	100%	1.00	---	---	---	---
		Right	M	8.82	9.00	1.04	100%	1.00	0.030	---	0.031	---
		Right	H	8.81	9.00	1.04	100%	1.00	---	---	---	---
	Limb	Back	L	8.85	9.00	1.04	100%	1.00	---	---	---	---
		Back	M	8.82	9.00	1.04	100%	1.00	0.101	---	0.105	---
		Back	H	8.81	9.00	1.04	100%	1.00	---	---	---	---
		Front	L	8.85	9.00	1.04	100%	1.00	---	---	---	---

		Front	M	8.82	9.00	1.04	100%	1.00	0.140	---	0.146	---
		Front	H	8.81	9.00	1.04	100%	1.00	---	---	---	---
		Top	L	8.85	9.00	1.04	100%	1.00	---	---	---	---
		Top	M	8.82	9.00	1.04	100%	1.00	0.083	---	0.086	---
		Top	H	8.81	9.00	1.04	100%	1.00	---	---	---	---
		Bottom	L	8.85	9.00	1.04	100%	1.00	---	---	---	---
		Bottom	M	8.82	9.00	1.04	100%	1.00	0.010	---	0.010	---
		Bottom	H	8.81	9.00	1.04	100%	1.00	---	---	---	---
		Left	L	8.85	9.00	1.04	100%	1.00	---	---	---	---
		Left	M	8.82	9.00	1.04	100%	1.00	0.017	---	0.018	---
		Left	H	8.81	9.00	1.04	100%	1.00	---	---	---	---
		Right	L	8.85	9.00	1.04	100%	1.00	---	---	---	---
		Right	M	8.82	9.00	1.04	100%	1.00	0.084	---	0.087	---
		Right	H	8.81	9.00	1.04	100%	1.00	---	---	---	---

Test case				Meas power(dBm)	Tune-up (dBm)	Scaling factor	Duty cycle	Duty factor	Meas SAR(w/kg)		Report SAR(w/kg)	
WLAN2.4GHz	Exposure condition	Position	Channel						First	Second	First	Second
802.11b	Head	Left Cheek	L	16.91	18.50	1.44	100%	1.00	---	---	---	---
		Left Cheek	M	16.99	18.50	1.42	100%	1.00	0.565	---	0.802	---
		Left Cheek	H	16.91	18.50	1.44	100%	1.00	---	---	---	---
		Left tilt	L	16.91	18.50	1.44	100%	1.00	---	---	---	---
		Left tilt	M	16.99	18.50	1.42	100%	1.00	0.456	---	0.648	---
		Left tilt	H	16.91	18.50	1.44	100%	1.00	---	---	---	---
		Right Cheek	L	16.91	18.50	1.44	100%	1.00	---	---	---	---
		Right Cheek	M	16.99	18.50	1.42	100%	1.00	0.321	---	0.456	---
		Right Cheek	H	16.91	18.50	1.44	100%	1.00	---	---	---	---
		Right tilt	L	16.91	18.50	1.44	100%	1.00	---	---	---	---
		Right tilt	M	16.99	18.50	1.42	100%	1.00	0.282	---	0.400	---
		Right tilt	H	16.91	18.50	1.44	100%	1.00	---	---	---	---
	Body-worn	Back	L	16.91	18.50	1.44	100%	1.00	---	---	---	---
		Back	M	16.99	18.50	1.42	100%	1.00	0.249	---	0.354	---
		Back	H	16.91	18.50	1.44	100%	1.00	---	---	---	---
		Front	L	16.91	18.50	1.44	100%	1.00	---	---	---	---
		Front	M	16.99	18.50	1.42	100%	1.00	0.394	---	0.559	---
		Front	H	16.91	18.50	1.44	100%	1.00	---	---	---	---
	Body	Back	L	16.91	18.50	1.44	100%	1.00	---	---	---	---
		Back	M	16.99	18.50	1.42	100%	1.00	0.249	---	0.354	---
		Back	H	16.91	18.50	1.44	100%	1.00	---	---	---	---
		Front	L	16.91	18.50	1.44	100%	1.00	---	---	---	---
		Front	M	16.99	18.50	1.42	100%	1.00	0.394	---	0.559	---
		Front	H	16.91	18.50	1.44	100%	1.00	---	---	---	---
		Top	L	16.91	18.50	1.44	100%	1.00	---	---	---	---
		Top	M	16.99	18.50	1.42	100%	1.00	0.333	---	0.473	---
		Top	H	16.91	18.50	1.44	100%	1.00	---	---	---	---
		Bottom	L	16.91	18.50	1.44	100%	1.00	---	---	---	---
		Bottom	M	16.99	18.50	1.42	100%	1.00	0.010	---	0.014	---
		Bottom	H	16.91	18.50	1.44	100%	1.00	---	---	---	---
		Left	L	16.91	18.50	1.44	100%	1.00	---	---	---	---
		Left	M	16.99	18.50	1.42	100%	1.00	0.034	---	0.048	---
		Left	H	16.91	18.50	1.44	100%	1.00	---	---	---	---
		Right	L	16.91	18.50	1.44	100%	1.00	---	---	---	---
		Right	M	16.99	18.50	1.42	100%	1.00	0.135	---	0.192	---
		Right	H	16.91	18.50	1.44	100%	1.00	---	---	---	---
	Limb	Back	L	16.91	18.50	1.44	100%	1.00	---	---	---	---
		Back	M	16.99	18.50	1.42	100%	1.00	0.595	---	0.845	---
		Back	H	16.91	18.50	1.44	100%	1.00	---	---	---	---
		Front	L	16.91	18.50	1.44	100%	1.00	---	---	---	---
		Front	M	16.99	18.50	1.42	100%	1.00	0.781	---	1.109	---
		Front	H	16.91	18.50	1.44	100%	1.00	---	---	---	---
		Top	L	16.91	18.50	1.44	100%	1.00	---	---	---	---

		Top	M	16.99	18.50	1.42	100%	1.00	0.481	---	0.683	---
		Top	H	16.91	18.50	1.44	100%	1.00	---	---	---	---
		Bottom	L	16.91	18.50	1.44	100%	1.00	---	---	---	---
		Bottom	M	16.99	18.50	1.42	100%	1.00	0.010	---	0.014	---
		Bottom	H	16.91	18.50	1.44	100%	1.00	---	---	---	---
		Left	L	16.91	18.50	1.44	100%	1.00	---	---	---	---
		Left	M	16.99	18.50	1.42	100%	1.00	0.087	---	0.124	---
		Left	H	16.91	18.50	1.44	100%	1.00	---	---	---	---
		Right	L	16.91	18.50	1.44	100%	1.00	---	---	---	---
		Right	M	16.99	18.50	1.42	100%	1.00	0.505	---	0.717	---
		Right	H	16.91	18.50	1.44	100%	1.00	---	---	---	---

Test case				Meas power(dBm)	Tune-up (dBm)	Scaling factor	Duty cycle	Duty factor	Meas SAR(w/kg)		Report SAR(w/kg)	
WLAN5GHz UNII-1&2A	Exposure condition	Position	Channel						First	Second	First	Second
802.11a	Head	Left Cheek	L	15.70	17.00	1.35	100%	1.00	---	---	---	---
		Left Cheek	M	16.02	17.00	1.25	100%	1.00	0.177	---	0.221	---
		Left Cheek	H	16.51	17.00	1.12	100%	1.00	---	---	---	---
		Left tilt	L	15.70	17.00	1.35	100%	1.00	---	---	---	---
		Left tilt	M	16.02	17.00	1.25	100%	1.00	0.171	---	0.214	---
		Left tilt	H	16.51	17.00	1.12	100%	1.00	---	---	---	---
		Right Cheek	L	15.70	17.00	1.35	100%	1.00	---	---	---	---
		Right Cheek	M	16.02	17.00	1.25	100%	1.00	0.110	---	0.138	---
		Right Cheek	H	16.51	17.00	1.12	100%	1.00	---	---	---	---
		Right tilt	L	15.70	17.00	1.35	100%	1.00	---	---	---	---
		Right tilt	M	16.02	17.00	1.25	100%	1.00	0.113	---	0.141	---
		Right tilt	H	16.51	17.00	1.12	100%	1.00	---	---	---	---
	Body-worn	Back	L	15.70	17.00	1.35	100%	1.00	---	---	---	---
		Back	M	16.02	17.00	1.25	100%	1.00	0.154	---	0.193	---
		Back	H	16.51	17.00	1.12	100%	1.00	---	---	---	---
		Front	L	15.70	17.00	1.35	100%	1.00	---	---	---	---
		Front	M	16.02	17.00	1.25	100%	1.00	0.120	---	0.150	---
		Front	H	16.51	17.00	1.12	100%	1.00	---	---	---	---
	Body	Back	L	15.70	17.00	1.35	100%	1.00	---	---	---	---
		Back	M	16.02	17.00	1.25	100%	1.00	0.154	---	0.193	---
		Back	H	16.51	17.00	1.12	100%	1.00	---	---	---	---
		Front	L	15.70	17.00	1.35	100%	1.00	---	---	---	---
		Front	M	16.02	17.00	1.25	100%	1.00	0.120	---	0.150	---
		Front	H	16.51	17.00	1.12	100%	1.00	---	---	---	---
		Top	L	15.70	17.00	1.35	100%	1.00	---	---	---	---
		Top	M	16.02	17.00	1.25	100%	1.00	0.202	---	0.253	---
		Top	H	16.51	17.00	1.12	100%	1.00	---	---	---	---
		Bottom	L	15.70	17.00	1.35	100%	1.00	---	---	---	---
		Bottom	M	16.02	17.00	1.25	100%	1.00	0.010	---	0.013	---
		Bottom	H	16.51	17.00	1.12	100%	1.00	---	---	---	---
		Left	L	15.70	17.00	1.35	100%	1.00	---	---	---	---
		Left	M	16.02	17.00	1.25	100%	1.00	0.010	---	0.013	---
		Left	H	16.51	17.00	1.12	100%	1.00	---	---	---	---
		Right	L	15.70	17.00	1.35	100%	1.00	---	---	---	---
		Right	M	16.02	17.00	1.25	100%	1.00	0.061	---	0.076	---
		Right	H	16.51	17.00	1.12	100%	1.00	---	---	---	---
	Limb	Back	L	15.70	17.00	1.35	100%	1.00	---	---	---	---
		Back	M	16.02	17.00	1.25	100%	1.00	0.291	---	0.364	---
		Back	H	16.51	17.00	1.12	100%	1.00	---	---	---	---
		Front	L	15.70	17.00	1.35	100%	1.00	---	---	---	---
		Front	M	16.02	17.00	1.25	100%	1.00	0.269	---	0.336	---
		Front	H	16.51	17.00	1.12	100%	1.00	---	---	---	---
		Top	L	15.70	17.00	1.35	100%	1.00	---	---	---	---

		Top	M	16.02	17.00	1.25	100%	1.00	0.390	---	0.488	---
		Top	H	16.51	17.00	1.12	100%	1.00	---	---	---	---
		Bottom	L	15.70	17.00	1.35	100%	1.00	---	---	---	---
		Bottom	M	16.02	17.00	1.25	100%	1.00	0.010	---	0.013	---
		Bottom	H	16.51	17.00	1.12	100%	1.00	---	---	---	---
		Left	L	15.70	17.00	1.35	100%	1.00	---	---	---	---
		Left	M	16.02	17.00	1.25	100%	1.00	0.010	---	0.013	---
		Left	H	16.51	17.00	1.12	100%	1.00	---	---	---	---
		Right	L	15.70	17.00	1.35	100%	1.00	---	---	---	---
		Right	M	16.02	17.00	1.25	100%	1.00	0.105	---	0.131	---
		Right	H	16.51	17.00	1.12	100%	1.00	---	---	---	---

Test case				Meas power(dBm)	Tune-up (dBm)	Scaling factor	Duty cycle	Duty factor	Meas SAR(w/kg)		Report SAR(w/kg)	
WLAN5GHz UNII-2C	Exposure condition	Position	Channel						First	Second	First	Second
802.11a	Head	Left Cheek	L	16.44	17.00	1.14	100%	1.00	---	---	---	---
		Left Cheek	M	16.41	17.00	1.15	100%	1.00	0.157	---	0.181	---
		Left Cheek	H	16.92	17.00	1.02	100%	1.00	---	---	---	---
		Left tilt	L	16.44	17.00	1.14	100%	1.00	---	---	---	---
		Left tilt	M	16.41	17.00	1.15	100%	1.00	0.163	---	0.187	---
		Left tilt	H	16.92	17.00	1.02	100%	1.00	---	---	---	---
		Right Cheek	L	16.44	17.00	1.14	100%	1.00	---	---	---	---
		Right Cheek	M	16.41	17.00	1.15	100%	1.00	0.123	---	0.141	---
		Right Cheek	H	16.92	17.00	1.02	100%	1.00	---	---	---	---
		Right tilt	L	16.44	17.00	1.14	100%	1.00	---	---	---	---
		Right tilt	M	16.41	17.00	1.15	100%	1.00	0.118	---	0.136	---
		Right tilt	H	16.92	17.00	1.02	100%	1.00	---	---	---	---
	Body-worn	Back	L	16.44	17.00	1.14	100%	1.00	---	---	---	---
		Back	M	16.41	17.00	1.15	100%	1.00	0.191	---	0.220	---
		Back	H	16.92	17.00	1.02	100%	1.00	---	---	---	---
		Front	L	16.44	17.00	1.14	100%	1.00	---	---	---	---
		Front	M	16.41	17.00	1.15	100%	1.00	0.109	---	0.125	---
		Front	H	16.92	17.00	1.02	100%	1.00	---	---	---	---
	Body	Back	L	16.44	17.00	1.14	100%	1.00	---	---	---	---
		Back	M	16.41	17.00	1.15	100%	1.00	0.191	---	0.220	---
		Back	H	16.92	17.00	1.02	100%	1.00	---	---	---	---
		Front	L	16.44	17.00	1.14	100%	1.00	---	---	---	---
		Front	M	16.41	17.00	1.15	100%	1.00	0.109	---	0.125	---
		Front	H	16.92	17.00	1.02	100%	1.00	---	---	---	---
		Top	L	16.44	17.00	1.14	100%	1.00	---	---	---	---
		Top	M	16.41	17.00	1.15	100%	1.00	0.181	---	0.208	---
		Top	H	16.92	17.00	1.02	100%	1.00	---	---	---	---
		Bottom	L	16.44	17.00	1.14	100%	1.00	---	---	---	---
		Bottom	M	16.41	17.00	1.15	100%	1.00	0.010	---	0.012	---
		Bottom	H	16.92	17.00	1.02	100%	1.00	---	---	---	---
		Left	L	16.44	17.00	1.14	100%	1.00	---	---	---	---
		Left	M	16.41	17.00	1.15	100%	1.00	0.010	---	0.012	---
		Left	H	16.92	17.00	1.02	100%	1.00	---	---	---	---
		Right	L	16.44	17.00	1.14	100%	1.00	---	---	---	---
		Right	M	16.41	17.00	1.15	100%	1.00	0.044	---	0.051	---
		Right	H	16.92	17.00	1.02	100%	1.00	---	---	---	---
	Limb	Back	L	16.44	17.00	1.14	100%	1.00	---	---	---	---
		Back	M	16.41	17.00	1.15	100%	1.00	0.368	---	0.423	---
		Back	H	16.92	17.00	1.02	100%	1.00	---	---	---	---
		Front	L	16.44	17.00	1.14	100%	1.00	---	---	---	---
		Front	M	16.41	17.00	1.15	100%	1.00	0.327	---	0.376	---
		Front	H	16.92	17.00	1.02	100%	1.00	---	---	---	---
		Top	L	16.44	17.00	1.14	100%	1.00	---	---	---	---
		Top	M	16.41	17.00	1.15	100%	1.00	0.367	---	0.422	---

		Top	H	16.92	17.00	1.02	100%	1.00	---	---	---	---
		Bottom	L	16.44	17.00	1.14	100%	1.00	---	---	---	---
		Bottom	M	16.41	17.00	1.15	100%	1.00	0.010	---	0.012	---
		Bottom	H	16.92	17.00	1.02	100%	1.00	---	---	---	---
		Left	L	16.44	17.00	1.14	100%	1.00	---	---	---	---
		Left	M	16.41	17.00	1.15	100%	1.00	0.010	---	0.012	---
		Left	H	16.92	17.00	1.02	100%	1.00	---	---	---	---
		Right	L	16.44	17.00	1.14	100%	1.00	---	---	---	---
		Right	M	16.41	17.00	1.15	100%	1.00	0.090	---	0.104	---
		Right	H	16.92	17.00	1.02	100%	1.00	---	---	---	---

Test case				Meas power(dBm)	Tune-up (dBm)	Scaling factor	Duty cycle	Duty factor	Meas SAR(w/kg)		Report SAR(w/kg)	
WLAN5GHz UNII-3	Exposure condition	Position	Channel						First	Second	First	Second
802.11a	Head	Left Cheek	L	13.99	14.00	1.00	100%	1.00	---	---	---	---
		Left Cheek	M	13.67	14.00	1.08	100%	1.00	0.055	---	0.059	---
		Left Cheek	H	13.68	14.00	1.08	100%	1.00	---	---	---	---
		Left tilt	L	13.99	14.00	1.00	100%	1.00	---	---	---	---
		Left tilt	M	13.67	14.00	1.08	100%	1.00	0.057	---	0.062	---
		Left tilt	H	13.68	14.00	1.08	100%	1.00	---	---	---	---
		Right Cheek	L	13.99	14.00	1.00	100%	1.00	---	---	---	---
		Right Cheek	M	13.67	14.00	1.08	100%	1.00	0.063	---	0.068	---
		Right Cheek	H	13.68	14.00	1.08	100%	1.00	---	---	---	---
		Right tilt	L	13.99	14.00	1.00	100%	1.00	---	---	---	---
		Right tilt	M	13.67	14.00	1.08	100%	1.00	0.065	---	0.070	---
		Right tilt	H	13.68	14.00	1.08	100%	1.00	---	---	---	---
	Body-worn	Back	L	13.99	14.00	1.00	100%	1.00	---	---	---	---
		Back	M	13.67	14.00	1.08	100%	1.00	0.096	---	0.104	---
		Back	H	13.68	14.00	1.08	100%	1.00	---	---	---	---
		Front	L	13.99	14.00	1.00	100%	1.00	---	---	---	---
		Front	M	13.67	14.00	1.08	100%	1.00	0.052	---	0.056	---
		Front	H	13.68	14.00	1.08	100%	1.00	---	---	---	---
	Body	Back	L	13.99	14.00	1.00	100%	1.00	---	---	---	---
		Back	M	13.67	14.00	1.08	100%	1.00	0.096	---	0.104	---
		Back	H	13.68	14.00	1.08	100%	1.00	---	---	---	---
		Front	L	13.99	14.00	1.00	100%	1.00	---	---	---	---
		Front	M	13.67	14.00	1.08	100%	1.00	0.052	---	0.056	---
		Front	H	13.68	14.00	1.08	100%	1.00	---	---	---	---
		Top	L	13.99	14.00	1.00	100%	1.00	---	---	---	---
		Top	M	13.67	14.00	1.08	100%	1.00	0.112	---	0.121	---
		Top	H	13.68	14.00	1.08	100%	1.00	---	---	---	---
		Bottom	L	13.99	14.00	1.00	100%	1.00	---	---	---	---
		Bottom	M	13.67	14.00	1.08	100%	1.00	0.010	---	0.011	---
		Bottom	H	13.68	14.00	1.08	100%	1.00	---	---	---	---
		Left	L	13.99	14.00	1.00	100%	1.00	---	---	---	---
		Left	M	13.67	14.00	1.08	100%	1.00	0.010	---	0.011	---
		Left	H	13.68	14.00	1.08	100%	1.00	---	---	---	---
		Right	L	13.99	14.00	1.00	100%	1.00	---	---	---	---
		Right	M	13.67	14.00	1.08	100%	1.00	0.021	---	0.023	---
		Right	H	13.68	14.00	1.08	100%	1.00	---	---	---	---
	Limb	Back	L	13.99	14.00	1.00	100%	1.00	---	---	---	---
		Back	M	13.67	14.00	1.08	100%	1.00	0.160	---	0.173	---
		Back	H	13.68	14.00	1.08	100%	1.00	---	---	---	---
		Front	L	13.99	14.00	1.00	100%	1.00	---	---	---	---
		Front	M	13.67	14.00	1.08	100%	1.00	0.140	---	0.151	---
		Front	H	13.68	14.00	1.08	100%	1.00	---	---	---	---
		Top	L	13.99	14.00	1.00	100%	1.00	---	---	---	---
		Top	M	13.67	14.00	1.08	100%	1.00	0.225	---	0.243	---

		Top	H	13.68	14.00	1.08	100%	1.00	---	---	---	---
		Bottom	L	13.99	14.00	1.00	100%	1.00	---	---	---	---
		Bottom	M	13.67	14.00	1.08	100%	1.00	0.010	---	0.011	---
		Bottom	H	13.68	14.00	1.08	100%	1.00	---	---	---	---
		Left	L	13.99	14.00	1.00	100%	1.00	---	---	---	---
		Left	M	13.67	14.00	1.08	100%	1.00	0.010	---	0.011	---
		Left	H	13.68	14.00	1.08	100%	1.00	---	---	---	---
		Right	L	13.99	14.00	1.00	100%	1.00	---	---	---	---
		Right	M	13.67	14.00	1.08	100%	1.00	0.044	---	0.048	---
		Right	H	13.68	14.00	1.08	100%	1.00	---	---	---	---

7.3 Simultaneous Transmission SAR Analysis

In some cases, the secondary transmitter can be excluded from SAR testing when used alone. However, when the primary and secondary transmitters are used together, the SAR limit may still be exceeded. A means of determining the threshold power for the secondary transmitter that allows it to be excluded from SAR testing is needed.

One way of determining the threshold power level available to the secondary transmitter (Pavailable) is to calculate it from the measured peak spatial-average SAR of the primary transmitter (SAR1) according to the equation:

$$P_{available} = P_{th,m} \times (SAR_{lim} - SAR_1) / SAR_{lim}$$

The above formula for 2TX transmit simultaneously condition can be easily generalized to the case where more than two transmitters are communicating simultaneously. If there are N simultaneous transmitters and the peak spatial-average SAR of the first N – 1 transmitters are known (SARi), then the threshold power level available to the Nth transmitter can be found from (Pavailable) is to calculate it from the measured peak spatial-average SAR of the primary transmitter (SAR1) according to the equation:

$$P_{available} = P_{max,m} \times (SAR_{lim} - \sum_{i=1}^{N-1} SAR_i) / SAR_{lim}$$

Alternatively, Pth,m can be replaced by Pmax,m, which is an easier approach but leads to more restrictive power threshold.

SARlim=2W/kg=2mW/g(for trunk)

SARlim=4W/kg=4mW/g(for limb)

Pmax,m= Pth,m = SARlim × m = 2mW/g X 10g=20mW (for trunk)

Pmax,m= Pth,m = SARlim × m = 4mW/g X 10g=40mW (for limb)

7.3.1 ENDC

For EN-DC SAR, as the existing SAR test system cannot test the multiple different frequency bands at the same time, SRTC suggest “reported max + reported max” to evaluate the inter-band Uplink EN-DC SAR from standalone SAR test results of each LTE and NR EN-DC component band.

Exposure condition	Position	DC_1A_n20A	DC_3A_n20A	DC_7A_n20A	DC_3A_n7A	DC_1A_n28A
Head	Left cheek	0.486	0.629	0.479	0.947	0.474
	Left tilt	0.362	0.425	0.486	0.817	0.363
	Right cheek	0.805	0.818	0.656	1.141	0.718
	Right tilt	0.601	0.586	0.648	1.133	0.596
Body worn	Back	0.584	0.566	0.496	0.452	0.470
	Front	0.683	0.706	0.692	0.741	0.550
Body	Back	0.584	0.566	0.496	0.452	0.470
	Front	0.683	0.706	0.692	0.741	0.550
	Top	0.429	0.345	0.552	0.879	0.429
	Bottom	0.275	0.234	0.222	0.111	0.185
	Left	0.394	0.419	0.302	0.240	0.342
	Right	0.522	0.438	0.461	0.763	0.525
Limb	Back	1.300	1.259	1.008	1.385	1.133
	Front	1.556	1.542	1.609	1.858	1.372
	Top	1.396	0.693	1.283	1.747	1.379
	Bottom	0.631	0.597	0.558	0.242	0.411
	Left	0.838	0.792	0.623	0.459	0.745
	Right	1.563	1.193	1.274	1.924	1.212

Exposure condition	Position	DC_3A_n28A	DC_7A_n28A	DC_1A_n78A	DC_3A_n78A
Head	Left cheek	0.617	0.437	0.328	0.467
	Left tilt	0.426	0.457	0.347	0.410
	Right cheek	0.731	0.574	0.588	0.601
	Right tilt	0.580	0.599	0.567	0.552
Body worn	Back	0.452	0.444	0.470	0.452
	Front	0.573	0.559	0.459	0.494
Body	Back	0.452	0.444	0.470	0.452
	Front	0.573	0.559	0.459	0.494
	Top	0.345	0.551	0.429	0.345
	Bottom	0.144	0.132	0.084	0.083
	Left	0.368	0.251	0.296	0.321
	Right	0.441	0.461	0.370	0.285
Limb	Back	1.092	0.904	1.346	1.305
	Front	1.358	1.447	1.449	1.435
	Top	0.676	1.278	1.379	0.742
	Bottom	0.376	0.337	0.146	0.145
	Left	0.699	0.530	0.917	0.871
	Right	0.842	1.274	1.350	0.980

Exposure condition	Position	DC_7A_n78A	DC_8A_n78A	DC_20A_n78A	DC_28A_n78A
Head	Left cheek	0.562	0.448	0.438	0.381
	Left tilt	0.644	0.300	0.318	0.312
	Right cheek	0.899	0.705	0.693	0.630
	Right tilt	0.878	0.391	0.406	0.392
Body worn	Back	0.398	0.575	0.496	0.419
	Front	0.466	0.607	0.538	0.470
Body	Back	0.398	0.575	0.496	0.419
	Front	0.466	0.607	0.538	0.470
	Top	0.815	0.285	0.286	0.285
	Bottom	0.138	0.348	0.188	0.096
	Left	0.222	0.575	0.569	0.523
	Right	0.460	0.182	0.194	0.177
Limb	Back	0.925	1.175	1.150	1.023
	Front	1.432	1.494	1.378	1.214
	Top	1.948	0.726	0.710	0.709
	Bottom	0.256	0.665	0.477	0.199
	Left	0.702	1.234	1.200	1.207
	Right	1.295	0.321	0.322	0.321

Note: The table above evaluates the worst-case SAR values for ENDC combinations.

7.3.2 CA

Exposure condition	Position	CA_1A_3A	CA_1A_7A	CA_1A_8A	CA_1A_20A	CA_1A_28A	CA_3A_7A
Head	Left cheek	0.552	0.643	0.528	0.518	0.461	0.786
	Left tilt	0.437	0.722	0.378	0.396	0.390	0.785
	Right cheek	0.691	1.037	0.843	0.831	0.768	1.050
	Right tilt	0.571	1.091	0.604	0.619	0.605	1.076
Body worn	Back	0.476	0.544	0.721	0.598	0.513	0.525
	Front	0.665	0.639	0.778	0.711	0.644	0.674
Body	Back	0.476	0.544	0.721	0.598	0.513	0.525
	Front	0.665	0.639	0.778	0.711	0.644	0.674
	Top	0.438	0.960	0.430	0.430	0.430	0.876
	Bottom	0.073	0.128	0.338	0.179	0.087	0.087
	Left	0.157	0.190	0.543	0.537	0.490	0.215
	Right	0.402	0.796	0.517	0.529	0.513	0.712
Limb	Back	1.120	1.340	1.344	1.320	1.188	1.299
	Front	1.747	1.853	1.807	1.691	1.527	1.839
	Top	1.413	1.619	1.396	1.380	1.380	1.916
	Bottom	0.094	0.205	0.614	0.426	0.148	0.170
	Left	0.299	0.461	1.059	1.025	1.032	0.415
	Right	1.145	1.304	1.271	1.258	1.125	1.933

Exposure condition	Position	CA_3A_8A	CA_3A_20A	CA_3A_28A	CA_7A_8A	CA_7A_20A	CA_7A_28A
Head	Left cheek	0.671	0.662	0.604	0.545	0.571	0.526
	Left tilt	0.440	0.458	0.453	0.501	0.491	0.479
	Right cheek	0.857	0.844	0.781	0.707	0.661	0.595
	Right tilt	0.589	0.604	0.589	0.676	0.647	0.613
Body worn	Back	0.702	0.580	0.495	0.614	0.570	0.493
	Front	0.801	0.746	0.679	0.787	0.718	0.651
Body	Back	0.702	0.580	0.495	0.614	0.570	0.493
	Front	0.801	0.746	0.679	0.787	0.718	0.651
	Top	0.346	0.346	0.346	0.551	0.551	0.551
	Bottom	0.297	0.138	0.046	0.286	0.126	0.077
	Left	0.569	0.563	0.516	0.452	0.446	0.399
	Right	0.433	0.445	0.428	0.461	0.462	0.462
Limb	Back	1.303	1.279	1.147	1.169	1.144	1.017
	Front	1.729	1.640	1.448	1.898	1.782	1.618
	Top	0.693	0.677	0.677	1.293	1.291	1.260
	Bottom	0.580	0.391	0.114	0.541	0.353	0.133
	Left	1.013	0.979	0.985	0.844	0.810	0.816
	Right	0.901	0.888	0.755	1.275	1.275	1.275

Note: The table above evaluates the worst-case SAR values for CA combinations.

7.3.3 Multi-TX SAR

SRTC use algebraic summation first, if the value exceed limit, then adopt field vector summation as final result.

Exposure condition	Head			
Position	Left cheek	Left tilt	Right cheek	Right tilt
WWAN SISO1	DC_3A_n7A	DC_3A_n7A	DC_3A_n7A	DC_3A_n7A
WWAN SISO1	0.947	0.817	1.141	1.133
BT	0.101	0.086	0.059	0.050
WLAN2.4GHz	0.802	0.648	0.456	0.400
WLAN5GHz	0.221	0.214	0.141	0.141
+BT	1.048	0.903	1.201	1.183
+WLAN2.4GHz	1.749	1.465	1.597	1.533
+WLAN5GHz	1.168	1.031	1.283	1.274
+BT +WLAN5GHz	1.269	1.117	1.342	1.323
Simultaneous Transmission	DC_3A_n7A + WLAN2.4GHz	DC_3A_n7A + WLAN2.4GHz	DC_3A_n7A + WLAN2.4GHz	DC_3A_n7A + WLAN2.4GHz
Simultaneous Transmission	1.749	1.465	1.597	1.533

Exposure condition	Body worn	
Position	Back	Front
WWAN SISO1	DC_1A_n20A	DC_3A_n7A
WWAN SISO1	0.584	0.741
BT	0.046	0.058
WLAN2.4GHz	0.354	0.559
WLAN5GHz	0.220	0.150
+BT	0.630	0.799
+WLAN2.4GHz	0.938	1.300
+WLAN5GHz	0.804	0.891
+BT +WLAN5GHz	0.850	0.949
Simultaneous Transmission	DC_1A_n20A + WLAN2.4GHz	DC_3A_n7A + WLAN2.4GHz
Simultaneous Transmission	0.938	1.300

Exposure condition	Body					
Position	Back	Front	Top	Bottom	Left	Right
WWAN SISO1	DC_1A_n20A	DC_3A_n7A	DC_3A_n7A	DC_8A_n78A	NR n48	DC_3A_n7A
WWAN SISO1	0.584	0.741	0.879	0.348	0.594	0.763
BT	0.046	0.058	0.056	0.010	0.010	0.031
WLAN2.4GHz	0.354	0.559	0.473	0.014	0.048	0.192
WLAN5GHz	0.220	0.150	0.253	0.013	0.013	0.076
+BT	0.630	0.799	0.935	0.358	0.605	0.794
+WLAN2.4GHz	0.938	1.300	1.352	0.362	0.642	0.955
+WLAN5GHz	0.804	0.891	1.132	0.360	0.607	0.839
+BT +WLAN5GHz	0.850	0.949	1.188	0.370	0.617	0.870
Simultaneous Transmission	DC_1A_n20A+ WLAN2.4GHz	DC_3A_n7A + WLAN2.4GH z	DC_3A_n7A + WLAN2.4GH z	DC_8A_n78A +BT +WLAN5GHz	NR n48 + WLAN2.4GH z	DC_3A_n7A + WLAN2.4GHz
Simultaneous Transmission	0.938	1.300	1.352	0.370	0.642	0.955

Exposure condition	Limb					
Position	Back	Front	Top	Bottom	Left	Right
WWAN SISO1	DC_3A_n7A	DC_3A_n7A	DC_7A_n78A	DC_8A_n78A	NR n48	DC_3A_n7A
WWAN SISO1	1.385	1.858	1.948	0.665	1.796	1.924
BT	0.105	0.146	0.086	0.010	0.018	0.087
WLAN2.4GHz	0.845	1.109	0.683	0.014	0.124	0.717
WLAN5GHz	0.423	0.376	0.488	0.013	0.013	0.131
+BT	1.490	2.003	2.034	0.676	1.813	2.011
+WLAN2.4GHz	2.230	2.967	2.631	0.679	1.920	2.641
+WLAN5GHz	1.808	2.234	2.436	0.678	1.809	2.055
+BT +WLAN5GHz	1.913	2.379	2.522	0.688	1.827	2.142
Simultaneous Transmission	DC_3A_n7A + WLAN2.4GHz	DC_3A_n7A + WLAN2.4GHz	DC_7A_n78A + WLAN2.4GHz	DC_8A_n78A +BT +WLAN5GHz	NR n48 + WLAN2.4GHz	DC_3A_n7A + WLAN2.4GHz
Simultaneous Transmission	2.230	2.967	2.631	0.688	1.920	2.641

7.3.4 NFC

Phones with built-in NFC functions do not require separate SAR testing and can generally be tested according to the SAR measurement procedures normally required for the phone. Influences of the hardware introduced by the built-in NFC functions are inherently considered through testing of the other transmitters that require SAR evaluation.

Simultaneous transmission exclusion method applied for NFC.

For NFC P available = P th ,m * (SAR limit. - SAR 1)/SAR limit

Head: P available = 20mW * (2.0-1.749) / 2.0 =2.51mW = 3.99dBm >power of NFC

Body: P available = 20mW * (2.0-1.352) / 2.0 = 6.48mW = 8.12dBm >power of NFC

Limb: P available = 20mW * (4.0-2.967) /4.0 =5.165mW =7.13dBm >power of NFC

So the simultaneous transmission SAR test is not required

8 MEASUREMENT UNCERTAINTY

Uncertainty Budget

(Frequency band: 300 MHz–10 GHz range)

Symbol	Error Description	Uncert. value	Prob. Dist.	Div.	(c_i) (1 g)	(c_i) (10 g)	Std. Unc. (1 g)	Std. Unc. (10 g)
Measurement System Errors								
CF	Probe Calibration	±18.6%	N	2	1	1	±9.3%	±9.3%
CF_{drift}	Probe Calibration Drift	±1.7%	R	$\sqrt{3}$	1	1	±0.98%	±0.98%
LIN	Probe Linearity	±4.7%	R	$\sqrt{3}$	1	1	±2.71%	±2.71%
BBS	Broadband Signal	±2.8%	R	$\sqrt{3}$	1	1	±1.62%	±1.62%
ISO	Probe Isotropy (axial)	±9.6%	R	$\sqrt{3}$	1	1	±5.54%	±5.54%
DAE	Other Probe+Electronic	±2.4%	N	1	1	1	±2.4%	±2.4%
AMB	RF Ambient	±0.0%	N	1	1	1	±0.0%	±0.0%
Δ_{sys}	Probe Positioning	±0.005mm	N	1	0.5	0.5	±0.25%	±0.25%
DAT	Data Processing	±4.0%	N	1	1	1	±4.0%	±4.0%
Phantom and Device Errors								
LIQ(σ)	Conductivity (meas.)^{DAK}	±3.0%	N	1	0.78	0.71	±2.34%	±2.13%
LIQ(T_σ)	Conductivity (temp.)^{BB}	±2.43%	R	$\sqrt{3}$	0.78	0.71	±1.09%	±1.00%
EPS	Phantom Permittivity	±14.0%	R	$\sqrt{3}$	0.5	0.5	±4.04%	±4.04%
DIS	Distance DUT – TSL	±2.6%	N	1	2	2	±1.30%	±1.30%
D_{xyz}	Device Positioning	±0.9%	N	1	1	1	±0.9%	±0.9%
H	Device Holder	±2.8%	N	1	1	1	±2.8%	±2.8%
MOD	DUT Modulation	±2.4%	R	$\sqrt{3}$	1	1	±1.39%	±1.39%
TAS	Time-average SAR	±1.73%	R	$\sqrt{3}$	1	1	±1.00%	±1.00%
RF_{drift}	DUT drift	±1.78%	N	1	1	1	±1.78%	±1.78%
VAL	Validation antenna	±3.2%	N	1	1	1	±3.2%	±3.2%
P_{in}	Accepted power	±2.0%	N	1	1	1	±2.0%	±2.0%
Correction to the SAR results								
C(ε, σ)	Deviation to Target	±1.9%	N	1	1	0.84	±1.9%	±1.60%
C(R)	SAR scaling^{p}	±0%	R	$\sqrt{3}$	1	1	±0%	±0%
u(ΔSAR)	Combined Uncertainty						14.39	14.32
U	**Expanded Uncertainty**						28.78	28.64

Note: SRTC evaluate the components of uncertainty periodically to make sure there is no influence on SAR result.

9 TEST EQUIPMENTS

The measurements were performed using an automated near-field scanning system, DASY, manufactured by Schmid & Partner Engineering AG (SPEAG) in Switzerland, all the components and supplement devices listed below.

Test Equipment	Model	Serial Number	Calibration date	Calibration due data
DAE	DAE4	546	2023/09/15	2024/09/14
Dosimetric E-field Probe	EX3DV4	3708	2023/10/30	2024/10/29
Dipole Validation Kit	D750V3	1101	2023/10/19	2026/10/18
Dipole Validation Kit	D835V2	4d023	2023/10/25	2026/10/24
Dipole Validation Kit	D900V2	171	2023/09/19	2026/09/18
Dipole Validation Kit	D1450V2	1065	2023/10/17	2026/10/16
Dipole Validation Kit	D1800V2	2d084	2023/09/18	2026/09/17
Dipole Validation Kit	D2000V2	1009	2023/10/23	2026/10/22
Dipole Validation Kit	D2450V2	738	2023/10/23	2026/10/22
Dipole Validation Kit	D2600V2	1166	2022/10/19	2025/10/18
Dipole Validation Kit	D3300V2	1014	2022/10/19	2025/10/18
Dipole Validation Kit	D3500V2	1090	2022/10/20	2025/10/19
Dipole Validation Kit	D3700V2	1058	2022/10/19	2025/10/18
Dipole Validation Kit	D3900V2	1033	2022/10/21	2025/10/20
Dipole Validation Kit	D4200V2	1013	2022/10/19	2025/10/18
Dipole Validation Kit	D4600V2	1033	2022/10/20	2025/10/19
Dipole Validation Kit	D4900V2	1025	2022/10/21	2025/10/20
Dipole Validation Kit	D5GHzV2	1079	2023/10/17	2026/10/16

Note: Longer calibration intervals of up to **3 years is acceptable** when it is demonstrated that the SAR target, impedance and return loss of a dipole have remain stable.

Test Equipment	Model	Serial Number	Calibration within 1year
Signal Generator	E8257dD	MY46522016	2024/07/04
Power meter	E4417A	MY45101004	2024/03/08
Power Sensor	E9300B	MY41496001	2024/03/08
Power Sensor	E9300B	MY41496003	2024/03/08
Vector Network Analyzer	VNA R140	0011213	2023/10/26
Dielectric Parameter Probe	DAKS-3.5	1042	2023/10/26
Communication Tester	E5515C	MY48367401	2024/06/02
Communication Tester	CMW500	161702	2024/03/06
Communication Tester	MT8820C	6201300660	2024/07/10
Communication Tester	SP9500	20334	2024/03/06

Software	Version
DASY5	52.10.4.1527
DASY6	16.0.0.116
SEMCAD X	14.6.14
DAK	3.0.4.1

SAR Target: Refers to system check, measured SAR (1g and 10g) deviates from the Target SAR value of calibration report within 10%.

Impedance and Return loss measured by Network analyzer: The most recent measurement of the real or imaginary parts of the impedance deviates within 5 Ω from the previous measurement. The most recent return-loss result deviates within 20% from the previous measurement. (Target from the last calibration report, Return loss<20db)

Dipole450 TSL Parameters		
(feed point 450MHz)		
Parameters	Measured data	Target (Ref. Value)
Impedance	55.2Ω+6.09jΩ	55.5Ω+6.40jΩ
Return loss	-22.1 dB	-21.9 dB
Dipole750 TSL Parameters		
(feed point 750MHz)		
Parameters	Measured data	Target (Ref. Value)
Impedance	53.9Ω-1.98jΩ	53.7Ω-1.63jΩ
Return loss	-28.5 dB	-28.2dB
Dipole835 TSL Parameters		
(feed point 835MHz)		
Parameters	Measured data	Target (Ref. Value)
Impedance	53.2Ω-3.16jΩ	52.6Ω-2.37jΩ
Return loss	-29.6 dB	-29.3dB
Dipole900 TSL Parameters		
(feed point 900MHz)		
Parameters	Measured data	Target (Ref. Value)
Impedance	50.4Ω-5.89jΩ	49.1Ω-6.69jΩ
Return loss	-23.6 dB	-23.4dB
Dipole1450 TSL Parameters		
(feed point 1450MHz)		
Parameters	Measured data	Target (Ref. Value)
Impedance	52.7Ω-1.65jΩ	52.4Ω-1.35jΩ
Return loss	-31.8 dB	-31.5dB
Dipole1800 TSL Parameters		
(feed point 1800MHz)		
Parameters	Measured data	Target (Ref. Value)
Impedance	48.2Ω-3.06jΩ	48.9Ω-2.71jΩ
Return loss	-30.9 dB	-30.6dB

Dipole2000 TSL Parameters		
(feed point 2000MHz)		
Parameters	Measured data	Target (Ref. Value)
Impedance	50.5Ω-2.37jΩ	49.4Ω-2.46jΩ
Return loss	-32.3 dB	-31.9dB
Dipole2450 TSL Parameters		
(feed point 2450MHz)		
Parameters	Measured data	Target (Ref. Value)
Impedance	53.9Ω+5.98jΩ	53.3Ω+6.38jΩ
Return loss	-22.9 dB	-23.1dB
Dipole2600 TSL Parameters		
(feed point 2600MHz)		
Parameters	Measured data	Target (Ref. Value)
Impedance	48.3Ω-6.89jΩ	47.9Ω-7.80jΩ
Return loss	-22.1 dB	-21.7dB
Dipole3300 TSL Parameters		
(feed point 3300MHz)		
Parameters	Measured data	Target (Ref. Value)
Impedance	54.4Ω-6.1jΩ	54.7Ω-6.3jΩ
Return loss	-23.1dB	-22.5dB
Dipole3500 TSL Parameters		
(feed point 3500MHz)		
Parameters	Measured data	Target (Ref. Value)
Impedance	53.1Ω+3.68jΩ	52.6Ω+3.5jΩ
Return loss	-27.8dB	-27.4dB
Dipole3700 TSL Parameters		
(feed point 3700MHz)		
Parameters	Measured data	Target (Ref. Value)
Impedance	47.8Ω+1.39jΩ	48.3Ω+1.1jΩ
Return loss	-33.9 dB	-33.6dB
Dipole3900 TSL Parameters		
(feed point 3900MHz)		
Parameters	Measured data	Target (Ref. Value)
Impedance	49.1Ω-5.08jΩ	48.3Ω-4.9jΩ
Return loss	-25.9 dB	-25.6dB
(feed point 4100MHz)		
Parameters	Measured data	Target (Ref. Value)
Impedance	58.6Ω-1.01jΩ	59.0Ω-0.8jΩ
Return loss	-21.8 dB	-21.6dB
Dipole4200 TSL Parameters		
(feed point 4300MHz)		
Parameters	Measured data	Target (Ref. Value)
Impedance	51.9Ω-1.52jΩ	52.1Ω-1.6jΩ
Return loss	-32.1 dB	-31.7dB
Dipole4600 TSL Parameters		
(feed point 4500MHz)		
Parameters	Measured data	Target (Ref. Value)
Impedance	46.9Ω-4.64jΩ	46.4Ω-4.5jΩ
Return loss	-24.9dB	-24.5dB
(feed point 4700MHz)		
Parameters	Measured data	Target (Ref. Value)
Impedance	54.8Ω-2.98jΩ	55.9Ω-3.20jΩ
Return loss	-24.4 dB	-24.0dB
Dipole4900 TSL Parameters		
(feed point 4900MHz)		
Parameters	Measured data	Target (Ref. Value)
Impedance	50.8Ω-4.90jΩ	50.6Ω-5.2jΩ

Return loss	-25.9 dB	-25.7dB
Dipole5GHz TSL Parameters		
(feed point 5200MHz)		
Parameters	Measured data	Target (Ref. Value)
Impedance	51.2Ω-10.89jΩ	50.2Ω-10.0jΩ
Return loss	-20.4 dB	-20.0dB
(feed point 5300MHz)		
Parameters	Measured data	Target (Ref. Value)
Impedance	48.0Ω-6.95jΩ	47.2Ω-7.33jΩ
Return loss	-22.3 dB	-21.9dB
(feed point 5500MHz)		
Parameters	Measured data	Target (Ref. Value)
Impedance	51.6Ω-7.61jΩ	52.0Ω-7.96jΩ
Return loss	-22.3 dB	-21.9dB
(feed point 5600MHz)		
Parameters	Measured data	Target (Ref. Value)
Impedance	55.4Ω-4.28jΩ	55.7Ω-3.78jΩ
Return loss	-24.1 dB	-23.8dB
(feed point 5800MHz)		
Parameters	Measured data	Target (Ref. Value)
Impedance	53.8Ω-5.96jΩ	53.7Ω-5.87jΩ
Return loss	-23.9 dB	-23.5dB
Dipole6500 TSL Parameters		
(feed point 6500MHz)		
Parameters	Measured data	Target (Ref. Value)
Impedance	51.3Ω-2.6jΩ	51.1Ω-2.2jΩ
Return loss	-32.5 dB	-32.3dB