SAR Test Report

Report No.: AGC00408220506FH01

FCC ID	:	2A3DR-H5PRO
APPLICATION PURPOSE	:	Original Equipment
PRODUCT DESIGNATION	:	4G Smart Phone
BRAND NAME	:	AGM
MODEL NAME	:	AGM_H5_PRO
APPLICANT	:	AGM Mobile Limited
DATE OF ISSUE	:	Jul. 20, 2022
STANDARD(S)	:	IEEE Std. 1528:2013 FCC 47 CFR Part 2§2.1093 IEEE Std C95.1 ™-2005 IEC 62209-1: 2016
REPORT VERSION	:	V1.0

Attestation of Global Compliance(Shenzhen) Co., Ltd.

Report Revise Record

Report Version	Revise Time	Issued Date	Valid Version	Notes
V1.0	/	Jul. 20, 2022	Valid	Initial Release

Test Report	
Applicant Name	AGM Mobile Limited
Applicant Address	FLAT B5, 1/F MANNING IND. BUILDING, 116-118 HOW MING STREET, KWUN TONG, KOWLOON, HONG KONG, CHINA
Manufacturer Name	Shenzhen AIJIEMO Technology Company Limited
Manufacturer Address	1st Floor 101 and 2nd Floor 201, Building A2, Huafeng Century Technology Park, Nanchang Community, Xixiang, Baoan District, Shenzhen, China.
Factory Name	Shenzhen AIJIEMO Technology Company Limited
Factory Address	1st Floor 101 and 2nd Floor 201, Building A2, Huafeng Century Technology Park, Nanchang Community, Xixiang, Baoan District, Shenzhen, China.
Product Designation	4G Smart Phone
Brand Name	AGM
Model Name	AGM_H5_PRO
EUT Voltage	DC3.85V by battery
Applicable Standard	IEEE Std. 1528:2013 FCC 47 CFR Part 2§2.1093 IEEE Std C95.1 ™-2005 IEC 62209-1: 2016
Test Date	Jun. 10, 2022 to Jul. 02, 2022
Report Template	AGCRT-US-4G/SAR (2021-04-20)

Note: The results of testing in this report apply to the product/system which was tested only.

Prepared By — Thea Huang (Project Engineer) Jul. 02, 2022

Reviewed By — Calvin Liu (Reviewer) Jul. 20, 2022

Approved By — Max Zhang (Authorized Officer) Jul. 20, 2022

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1. SUMMARY OF MAXIMUM SAR VALUE

The maximum results of Specific Absorption Rate (SAR) found during testing for EUT are as follows:

Frequency Band	Highest Reported 1g-SAR(W/kg)			SAR Test Limit (W/kg)
	Head	Body-worn(with 10mm separation)	Hotspot(with 10mm separation)	
GSM 850	0.262	0.784	0.784	1.6
PCS 1900	0.101	0.657	0.657	
UMTS Band II	0.122	1.183	1.183	
UMTS Band IV	0.251	0.689	0.689	
UMTS Band V	0.234	0.335	0.335	
LTE Band 2	0.285	1.100	1.100	
LTE Band 4	0.319	0.842	0.842	
LTE Band 5	0.313	0.469	0.469	
LTE Band 12	0.250	0.347	0.347	
LTE Band 13	0.182	0.223	0.223	
LTE Band 17	0.226	0.368	0.368	
LTE Band 18	0.302	0.319	0.319	
LTE Band 19	0.336	0.329	0.329	
LTE Band 25	0.215	1.282	1.282	
LTE Band 26A	0.163	0.874	0.874	
LTE Band 38	0.149	0.604	0.604	
LTE Band 40-Lower Side	0.125	1.174	1.174	
LTE Band 40- Upper Side	0.113	0.737	0.737	
LTE Band 41	0.164	0.561	0.561	
LTE Band 66	0.155	0.831	0.831	
WIFI 2.4G	0.364	0.169	0.169	
5.2GHz (U-NII-1)	0.173	0.108	0.108	
5.3GHz U-NII-2A	0.120	0.119	0.119	
5.5GHz U-NII-2C	0.128	0.127	0.127	
5.8GHz U-NII-3	0.138	0.109	0.109	
Bluetooth(BR/EDR)	0.063	0.007	0.007	
Simultaneous Reported SAR	1.323			
SAR Test Result	PASS			

This device is compliance with Specific Absorption Rate (SAR) for general population/uncontrolled exposure limits (1.6W/kg) specified in IEEE Std. 1528:2013; FCC 47CFR § 2.1093; IEEE/ANSI C95.1:2005 and the following specific FCC Test Procedures:

- KDB 447498 D04 Interim General RF Exposure Guidance v01
- KDB 648474 D04 Handset SAR v01r03
- KDB 865664 D01 SAR Measurement 100MHz to 6GHz v01r04
- KDB 941225 D01 3G SAR Procedures v03r01
- KDB 941225 D06 Hotspot Mode v02r01
- KDB 248227 D01 802 11 Wi-Fi SAR v02r02
- KDB 941225 D05 SAR for LTE Devices v02r05

2. GENERAL INFORMATION

2.1. EUT Description

General Information	
Product Designation	4G Smart Phone
Test Model	AGM_H5_PRO
Hardware Version	PG01_V1.0
Software Version	PG0158CZE66.AGM.EEA.HB.S0.HP.20220630.V3.01.test
Device Category	Portable
RF Exposure Environment	Uncontrolled
Antenna Type	Internal
GSM and GPRS& EGPRS	
Support Band	☒GSM 850 ☒PCS 1900 ☐GSM 900 ☐DCS 1800
GPRS & EGPRS Type	Class B
GPRS & EGPRS Class	Class 12(1Tx+4Rx, 2Tx+3Rx, 3Tx+2Rx, 4Tx+1Rx)
TX Frequency Range	GSM 850 : 820-850MHz; PCS 1900: 1850-1910MHz;
RX Frequency Range	GSM 850 : 869~894MHz; PCS 1900: 1930~1990MHz
Release Version	R99
Type of modulation	GMSK for GSM/GPRS; GMSK & 8-PSK for EGPRS
Antenna Gain	GSM850: 0.5dBi; PCS1900: 0.8dBi
Max. Average Power	GSM850: 32.73dBm; PCS1900: 29.73dBm
WCDMA	
Support Band	☒UMTS FDD Band II ☒UMTS FDD Band V ☒UMTS FDD Band IV ☐UMTS FDD Band I ☐UMTS FDD Band III ☐UMTS FDD Band VIII
HS Type	HSPA(HSUPA/HSDPA)
TX Frequency Range	FDD Band II: 1850-1910MHz; FDD Band V: 824-849MHz FDD Band IV: 1710-1770MHz
RX Frequency Range	FDD Band II: 1930-1990MHz; FDD Band V: 869-894MHz FDD Band IV: 2110-2170MHz
Release Version	Rel-6
Type of modulation	HSDPA:QPSK/16QAM; HSUPA:BPSK; WCDMA:QPSK
Antenna Gain	Band II: 0.8dBi; Band IV: 0.8dBi; Band V: 0.5dBi
Max. Average Power	Band II: 23.04dBm; Band IV: 22.61dBm; Band V: 23.46dBm
Bluetooth	
Bluetooth Version	☐V2.0 ☐V2.1 ☐V2.1+EDR ☐V3.0 ☐V3.0+HS ☒V5.0
Operation Frequency	2402~2480MHz
Type of modulation	**BR/EDR**: GFSK, Π/4-DQPSK, 8-DPSK; **BLE:** GFSK
Peak Power	**BR/EDR**: 7.588dBm; **BLE:** -4.285dBm
Antenna Gain	1.0dBi
2.4GHz WIFI	
WIFI Specification	☐802.11a ☒802.11b ☒802.11g ☒802.11n(20) ☒802.11n(40)
Operation Frequency	2412~2462MHz
Avg. Burst Power	11b: 15.36dBm,11g:13.33dBm,11n(20):13.27dBm,11n(40):12.63dBm
Antenna Gain	1.0dBi

EUT Description (Continue)

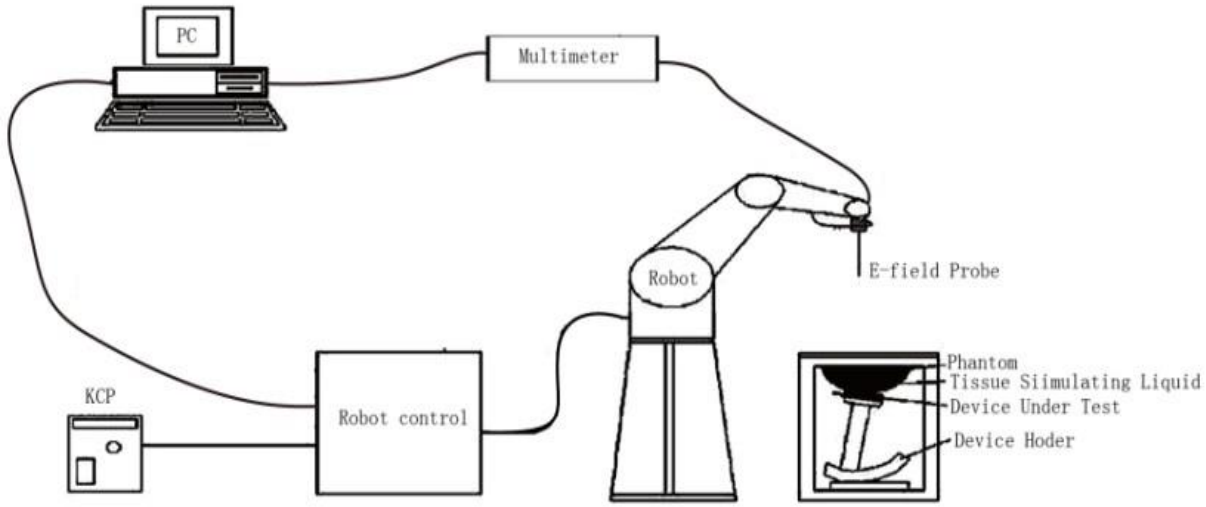
LTE	
Support Band	☒FDD Band 2 ☒FDD Band 4 ☒FDD Band 5 ☒FDD Band 12 ☒FDD Band 13 ☒FDD Band 17 ☒FDD Band 18 ☒FDD Band 19 ☒FDD Band 25 ☒FDD Band 26 ☒TDD Band 38 ☒TDD Band 40 ☒TDD Band 41 ☒FDD Band 66 (U.S. Bands)
TX Frequency Range	Band 2:1850-1910MHz; Band 4:1710-1755MHz;Band 5:824-849MHz; Band 12:699-716MHz; Band 13: 777-787MHz; Band 17: 704-716MHz; Band 18: 815-830MHz; Band 19: 830-845MHz; Band 25: 1850-1915MHz; Band 26: 814-849MHz; Band 38: 2570-2620 MHz; Band 40:2305-2320&2345-2360MHz; Band 41:2496-2690MHz; Band 66:1700-1780MHz;
RX Frequency Range	Band 2:1930-1990MHz; Band 4:2110-2155MHz; Band 5:869-894MHz; Band 12: 729-746 MHz; Band 13: 746-756MHz; Band 17: 734-746 MHz; Band 18: 860-875MHz; Band 19: 875-890MHz; Band 25: 1930-1995MHz; Band 26: 859-894MHz; Band 38: 2570-2620 MHz; Band 40:2305-2320&2345-2360MHz; Band 41:2496-2690MHz; Band 66:2110-2200MHz;
Release Version	Rel-8
Type of modulation	QPSK, 16QAM
Antenna Gain	Band 2: 0.8dBi; Band 4: 0.8dBi; Band 5: 0.5dBi; Band 12: 1.0dBi; Band 13: 1.0dBi; Band 17: 1.0dBi; Band 18: 0.85dBi; Band 19: 0.95dBi; Band 25: 0.45dBi; Band 26: 0.5dBi; Band 38: 1.25dBi; Band 40: 1.2dBi; Band 41: 1.25dBi; Band 66: 0.48dBi;
Diversity gain	Band 2: 0.62dBi; Band 4: 0.74dBi; Band 5: 0.42dBi; Band 12: 0.86dBi; Band 13: 0.88dBi; Band 17: 0.87dBi; Band 18: 0.75dBi; Band 19: 0.80dBi; Band 25: 0.39dBi; Band 26: 0.42dBi; Band 38: 1.10dBi; Band 40: 1.15dBi; Band 41: 1.10dBi; Band 66: 0.45dBi;
Max. Average Power	Band 2: 23.13dBm; Band 4: 23.27dBm; Band 5: 24.23dBm; Band 12: 23.83dBm; Band 13: 23.81dBm; Band 17: 23.92dBm; Band 18: 24.06dBm; Band 19: 24.31dBm; Band 25: 23.25dBm; Band 26A: 24.15dBm; Band 26B: 23.78dBm; Band 38: 24.27 dBm; LTE-Band 40(Lower Side): 24.13dBm; LTE-Band 40 (Upper Side): 22.75dBm; Band 41: 22.08dBm; Band 66: 22.72dBm;
5 GHz WIFI	
WIFI Specification	☒802.11a ☒802.11n20 ☒802.11n40 ☒802.11ac20 ☒802.11ac40 ☒802.11ac80
Operation Frequency	U-NII-1: 5180MHz~5240MHz; U-NII-2A: 5260MHz~5320MHz; U-NII-2C: 5470MHz~5725MHz;U-NII-3: 5745MHz~5825MHz
Max. conducted Power	U-NII-1: 10.60dBm; U-NII-2A: 10.79dBm; U-NII-2C: 10.33dBm; U-NII-3: 9.94dBm
Antenna Gain	1.2dBi
Accessories	
Battery	Brand name: N/A Model No. : GloryG1 Voltage and Capacitance: 3.85 V & 7000mAh
Earphone	Brand name: N/A Model No. : N/A

Note: 1. CMU200 can measure the average power and Peak power at the same time
2. The sample used for testing is end product.
3. The test sample has no any deviation to the test method of standard mentioned in page 1.

Product	Type
	☒ Production unit ☐ Identical Prototype

3. SAR MEASUREMENT SYSTEM

3.1. The SATIMO system used for performing compliance tests consists of following items



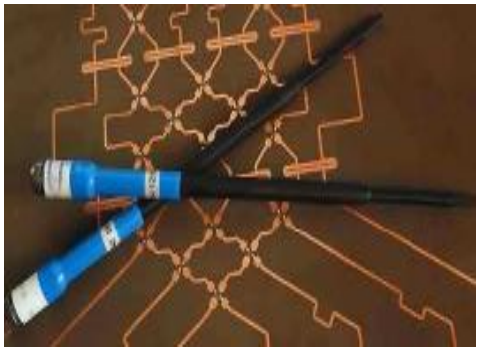
The COMOSAR system for performing compliance tests consists of the following items:

- The PC. It controls most of the bench devices and stores measurement data.A computer running WinXP and the Opensar software.
- The E-Field probe. The probe is a 3-axis system made of 3 distinct dipoles. Each dipole returns a voltage in function of the ambient electric field.
- The Keithley multimeter measures each probe dipole voltages.
- The SAM phantom simulates a human head. The measurement of the electric field is made inside the phantom.
- The liquids simulate the dielectric properties of the human head tissues.
- The network emulator controls the mobile phone under test.
- The validation dipoles are used to measure a reference SAR. They are used to periodically check the bench to make sure that there is no drift of the system characteristics over time.
- The phantom, the device holder and other accessories according to the targeted measurement.

3.2. COMOSAR E-Field Probe

The SAR measurement is conducted with the dosimetric probe manufactured by SATIMO. The probe is specially designed and calibrated for use in liquid with high permittivity. The dosimetric probe has special calibration in liquid at different frequency. SATIMO conducts the probe calibration in compliance with international and national standards (e.g. IEEE 1528 and relevant KDB files.) The calibration data are in Appendix D.

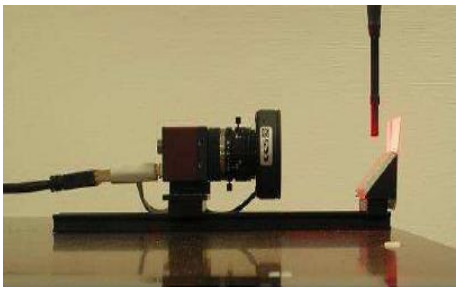
Isotropic E-Field Probe Specification

Model	SSE2	
Manufacture	MVG	
Identification No.	SN 13/22 EPGO368	
Frequency	0.15GHz-6GHz Linearity:±0.09dB(0.15GHz-6GHz)	
Dynamic Range	0.01W/kg-100W/kg Linearity:±0.09dB	
Dimensions	Overall length:330mm Length of individual dipoles:2mm Maximum external diameter:8mm Probe Tip external diameter:2.5mm Distance between dipoles/ probe extremity:1mm	
Application	High precision dosimetric measurements in any exposure scenario (e.g., very strong gradient fields). Only probe which enables compliance testing for frequencies up to 6 GHz with precisin of better 30%.	

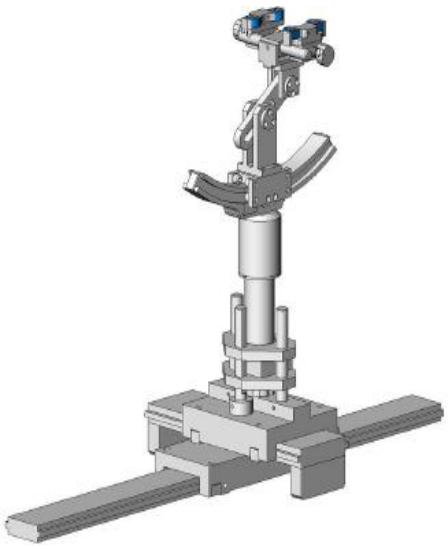
3.3. Robot

The COMOSAR system uses the KUKA robot from SATIMO SA (France).For the 6-axis controller COMOSAR system, the KUKA robot controller version from SATIMO is used. The XL robot series have many features that are important for our application: □ High precision (repeatability 0.02 mm) □ High reliability (industrial design) □ Jerk-free straight movements □ Low ELF interference (the closed metallic construction shields against motor control fields) □ 6-axis controller	

3.4. Video Positioning System

The video positioning system is used in OpenSAR to check the probe. Which is composed of a camera, LED, mirror and mechanical parts.The camera is piloted by the main computer with firewire link. During the process, the actual position of the probe tip with respect to the robot arm is measured, as well as the probe length and the horizontal probe offset. The software then corrects all movements, such that the robot coordinates are valid for the probe tip. The repeatability of this process is better than 0.1 mm. If a position has been taught with an aligned probe, the same position will be reached with another aligned probe within 0.1 mm, even if the other probe has different dimensions. During probe rotations, the probe tip will keep its actual position.	

3.5. Device Holder

The COMOSAR device holder is designed to cope with different positions given in the standard. It has two scales for the device rotation (with respect to the body axis) and the device inclination (with respect to the line between the ear reference points). The rotation center for both scales is the ear reference point (EPR). Thus the device needs no repositioning when changing the angles. The COMOSAR device holder has been made out of low-loss POM material having the following dielectric parameters: relative permittivity εr =3 and loss tangent δ = 0.02. The amount of dielectric material has been reduced in the closest vicinity of the device, since measurements have suggested that the influence of the clamp on the test results could thus be lowered.	

3.6. SAM Twin Phantom

The SAM twin phantom is a fiberglass shell phantom with 2mm shell thickness (except the ear region where shell thickness increases to 6mm). It has three measurement areas: □ Left head □ Right head □ Flat phantom	

The bottom plate contains three pair of bolts for locking the device holder. The device holder positions are adjusted to the standard measurement positions in the three sections. A white cover is provided to tap the phantom during off-periods to prevent water evaporation and changes in the liquid parameters. On the phantom top, three reference markers are provided to identify the phantom position with respect to the robot.

ELLI39 Phantom

The Flat phantom is a fiberglass shellphantom with 2mm+/- 0.2 mm shell thickness. It has only one measurement area for Flat phantom	

4. SAR MEASUREMENT PROCEDURE

4.1. Specific Absorption Rate (SAR)

SAR is related to the rate at which energy is absorbed per unit mass in object exposed to a radio field. The SAR distribution in a biological body is complicated and is usually carried out by experimental techniques or numerical modeling. The standard recommends limits for two tiers of groups, occupational/controlled and occupational/uncontrolled, based on a person's awareness and ability to exercise control over his or her exposure. In general, occupational/controlled exposure limits are higher than the limits for general population/uncontrolled.

The SAR definition is the time derivative (rate) of the incremental energy (dW) absorbed by (dissipated in) an incremental mass (dm) contained in a volume element(dv) of given mass density (ρ). The equation description is as below:

$$SAR = \frac{d}{dt}\left(\frac{dW}{dm}\right) = \frac{d}{dt}\left(\frac{dW}{\rho dV}\right)$$

SAR is expressed in units of Watts per kilogram (W/kg)
SAR can be obtained using either of the following equations:

$$SAR = \frac{\sigma E^2}{\rho}$$

$$SAR = c_h \frac{dT}{dt}\bigg|_{t=0}$$

Where

SAR	is the specific absorption rate in watts per kilogram;
E	is the r.m.s. value of the electric field strength in the tissue in volts per meter;
σ	is the conductivity of the tissue in siemens per metre;
ρ	is the density of the tissue in kilograms per cubic metre;
c_h	is the heat capacity of the tissue in joules per kilogram and Kelvin;
$\frac{dT}{dt} \mid t = 0$	is the initial time derivative of temperature in the tissue in kelvins per second

4.2. SAR Measurement Procedure

Step 1: Power Reference Measurement

The Power Reference Measurement and Power Drift Measurement are for monitoring the power drift of the device under test in the batch process. The minimum distance of probe sensors to surface is 2.7mm This distance cannot be smaller than the distance os sensor calibration points to probe tip as `defined in the probe properties,

Step 2: Area Scan

The Area Scan is used as a fast scan in two dimensions to find the area of high field values, before doing a fine measurement around the hot spot. The sophisticated interpolation routines implemented in SATIMO software can find the maximum locations even in relatively coarse grids. When an Area Scan has measured all reachable points, it computes the field maximal found in the scanned area, within a range of the global maximum. The range (in db) is specified in the standards for compliance testing. For example, a 2db range is required in IEEE Standard 1528 and IEC62209 standards, whereby 3db is a requirement when compliance is assessed in accordance with the ARIB standard (Japan) If one Zoom Scan follows the Area Scan, then only the absolute maximum will be taken as reference. For cases where multiple maximum are detected, the number of Zoom Scan has to be increased accordingly.

Area Scan Parameters extracted from KDB 865664 D01 SAR Measurement 100MHz to 6GHz

	≤ 3 GHz	> 3 GHz
Maximum distance from closest measurement point (geometric center of probe sensors) to phantom surface	5 ± 1 mm	½·δ·ln(2) ± 0.5 mm
Maximum probe angle from probe axis to phantom surface normal at the measurement location	30° ± 1°	20° ± 1°
Maximum area scan spatial resolution: Δx_{Area}, Δy_{Area}	≤ 2 GHz: ≤ 15 mm 2 – 3 GHz: ≤ 12 mm	3 – 4 GHz: ≤ 12 mm 4 – 6 GHz: ≤ 10 mm
	When the x or y dimension of the test device, in the measurement plane orientation, is smaller than the above, the measurement resolution must be ≤ the corresponding x or y dimension of the test device with at least one measurement point on the test device.	

Step 3: Zoom Scan

Zoom Scan are used to assess the peak spatial SAR value within a cubic average volume containing 1g abd 10g of simulated tissue. The Zoom Scan measures points(refer to table below) within a cube whose base faces are centered on the maxima found in a preceding area scan job within the same procedure. When the measurement is done, the Zoom Scan evaluates the averaged SAR for 1g and 10g and displays these values next to the job's label.

Zoom Scan Parameters extracted from KDB865664 d01 SAR Measurement 100MHz to 6GHz

Maximum zoom scan spatial resolution: Δx_{Zoom}, Δy_{Zoom}			≤ 2 GHz: ≤ 8 mm 2 – 3 GHz: ≤ 5 mm*	3 – 4 GHz: ≤ 5 mm* 4 – 6 GHz: ≤ 4 mm*
Maximum zoom scan spatial resolution, normal to phantom surface	uniform grid: $\Delta z_{Zoom}(n)$		≤ 5 mm	3 – 4 GHz: ≤ 4 mm 4 – 5 GHz: ≤ 3 mm 5 – 6 GHz: ≤ 2 mm
	graded grid	$\Delta z_{Zoom}(1)$: between 1st two points closest to phantom surface	≤ 4 mm	3 – 4 GHz: ≤ 3 mm 4 – 5 GHz: ≤ 2.5 mm 5 – 6 GHz: ≤ 2 mm
		$\Delta z_{Zoom}(n>1)$: between subsequent points	≤ 1.5·$\Delta z_{Zoom}(n-1)$	
Minimum zoom scan volume	x, y, z		≥ 30 mm	3 – 4 GHz: ≥ 28 mm 4 – 5 GHz: ≥ 25 mm 5 – 6 GHz: ≥ 22 mm
Note: δ is the penetration depth of a plane-wave at normal incidence to the tissue medium; see draft standard IEEE P1528-2011 for details. * When zoom scan is required and the *reported* SAR from the *area scan based 1-g SAR estimation* procedures of KDB 447498 is ≤ 1.4 W/kg, ≤ 8 mm, ≤ 7 mm and ≤ 5 mm zoom scan resolution may be applied, respectively, for 2 GHz to 3 GHz, 3 GHz to 4 GHz and 4 GHz to 6 GHz.				

Step 4: Power Drift Measurement

The Power Drift Measurement measures the field at the same location as the most recent power reference measurement within the same procedure, and with the same settings. The Power Drift Measurement gives the field difference in dB from the reading conducted within the same settings. This allows a user to monitor the power drift of the device under test within a batch process. The measurement procedure is the same as Step 1.

4.3. RF Exposure Conditions

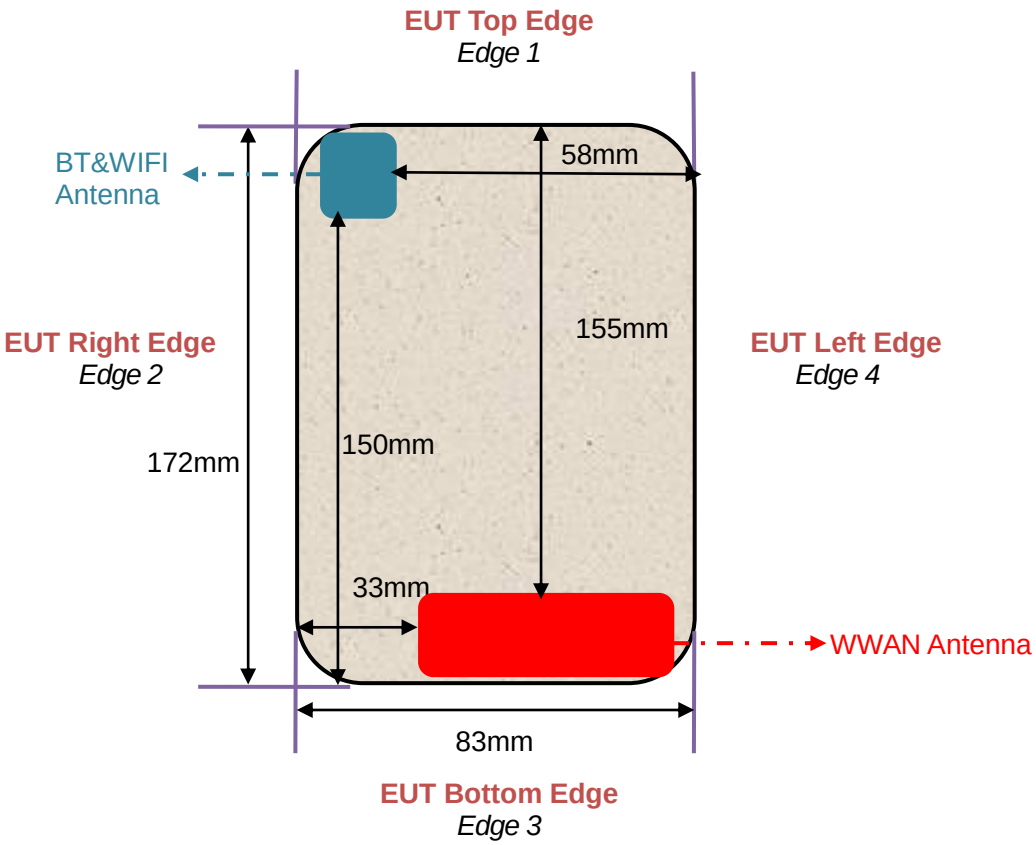
Test Configuration and setting:

The EUT is a model of GSM Portable Mobile Station (MS). It supports GSM/GPRS/EGPRS, WCDMA/HSPA, LTE, BT, WIFI, and support hot spot mode.

For WWAN SAR testing, the device was controlled by using a base station emulator. Communication between the device and the emulator were established by air link. The distance between the EUT and the antenna is larger than 50cm, and the output power radiated from the emulator antenna is at least 30db smaller than the output power of EUT.

For WLAN testing, the EUT is configured with the WLAN continuous TX tool through engineering command.

Antenna Location: (the back view)



For WWAN mode:

Test Configurations	Antenna to edges/surface	SAR required	Note
Head			
Left Touch		Yes	--
Left Tilt		Yes	--
Right Touch		Yes	--
Right Tilt		Yes	--
Body			
Back	<25mm	Yes	--
Front	<25mm	Yes	--
Hotspot			
Back	<25mm	Yes	--
Front	<25mm	Yes	--
Edge 1 (Top)	155mm	No	SAR is not required for the distance between the antenna and the edge is >25mm as per KDB 941225 D06 Hotspot SAR
Edge 2 (Right)	33mm	No	SAR is not required for the distance between the antenna and the edge is >25mm as per KDB 941225 D06 Hotspot SAR
Edge 3 (Bottom)	0.7mm	Yes	--
Edge 4 (Left)	0.7mm	Yes	--

For WLAN mode:

Test Configurations	Antenna to edges/surface	SAR required	Note
Head			
Left Touch		Yes	--
Left Tilt		Yes	--
Right Touch		Yes	--
Right Tilt		Yes	--
Body			
Back	<25mm	Yes	--
Front	<25mm	Yes	--
Hotspot			
Back	<25mm	Yes	--
Front	<25mm	Yes	--
Edge 1 (Top)	0.7mm	Yes	--
Edge 2 (Right)	0.7mm	Yes	--
Edge 3 (Bottom)	150mm	No	SAR is not required for the distance between the antenna and the edge is >25mm as per KDB 941225 D06 Hotspot SAR
Edge 4 (Left)	58mm	No	SAR is not required for the distance between the antenna and the edge is >25mm as per KDB 941225 D06 Hotspot SAR

5. TISSUE SIMULATING LIQUID

For SAR measurement of the field distribution inside the phantom, the phantom must be filled with homogeneous tissue simulating liquid to a depth of at least 15cm. For head SAR testing the liquid height from the ear reference point (ERP) of the phantom to the liquid top surface is larger than 15cm For body SAR testing, the liquid height from the center of the flat phantom to the liquid top surface is larger than 15cm.The nominal dielectric values of the tissue simulating liquids in the phantom and the tolerance of 10% are listed in 6.2

5.1. The composition of the tissue simulating liquid

Ingredient (% Weight) / **Frequency** (MHz)	**Water**	**Nacl**	**Polysorbate 20**	**DGBE**	**1,2-Propanediol**	**Triton X-100**	**Diethylen glycol monohex ylether**
750 Head	35	2	0.0	0.0	63	0.0	0.0
835 Head	50.36	1.25	48.39	0.0	0.0	0.0	0.0
1750 Head	52.64	0.36	0.0	47	0.0	0.0	0.0
1900 Head	54.9	0.18	0.0	44.92	0.0	0.0	0.0
2300 Head	62.82	0.51	0.0	36.67	0.0	0.0	0.0
2450 Head	71.88	0.16	0.0	7.99	0.0	19.97	0.0
2600 Head	55.242	0.306	0	44.452	0	0	0.0
5000 Head	65.52	0.0	0.0	0.0	0.0	17.24	17.24

5.2. Tissue Dielectric Parameters for Head and Body Phantoms

The head tissue dielectric parameters recommended by the IEC 62209-1 have been incorporated in the following table. The body tissue dielectric parameters recommended by the IEC 62209-2 have been incorporated in the following table.

Target Frequency (MHz)	head		body	
	εr	σ (S/m)	εr	σ (S/m)
300	45.3	0.87	45.3	0.87
450	43.5	0.87	43.5	0.87
750	**41.9**	**0.89**	**41.9**	**0.89**
835	**41.5**	**0.90**	**41.5**	**0.90**
900	41.5	0.97	41.5	0.97
915	41.5	1.01	41.5	1.01
1450	40.5	1.20	40.5	1.20
1610	40.3	1.29	40.3	1.29
1750	**40.1**	**1.37**	**40.1**	**1.37**
1800 – 2000	**40.0**	**1.40**	**40.0**	**1.40**
2300	**39.5**	**1.67**	**39.5**	**1.67**
2450	**39.2**	**1.80**	**39.2**	**1.80**
2600	**39.0**	**1.96**	**39.0**	**1.96**
3000	38.5	2.40	38.5	2.40
5200	**36.0**	**4.66**	**36.0**	**4.66**
5300	**35.9**	**4.76**	**35.9**	**4.76**
5600	**35.5**	**5.07**	**35.5**	**5.07**
5800	**35.3**	**5.27**	**35.3**	**5.27**

(εr = relative permittivity, σ = conductivity and ρ = 1000 kg/m3

5.3. Tissue Calibration Result

The dielectric parameters of the liquids were verified prior to the SAR evaluation using SATIMO Dielectric Probe Kit and R&S Network Analyzer ZVL6.

Tissue Stimulant Measurement for 750MHz					
	Fr. (MHz)	Dielectric Parameters (±10%)		Tissue Temp [°C]	Test time
		εr 41.9 (37.71-46.09)	δ[s/m] 0.89(0.801-0.979)		
Head	704	41.49	0.90	20.7	Jun. 25, 2022
	707.5	41.49	0.90		
	709	41.49	0.90		
	710	41.23	0.91		
	711	41.23	0.91		
	750	40.85	0.92		
	782	40.54	0.93		

Tissue Stimulant Measurement for 835MHz					
	Fr. (MHz)	Dielectric Parameters (±10%)		Tissue Temp [°C]	Test time
		εr 41.5 (37.35-45.65)	δ[s/m] 0.90(0.81-0.99)		
Head	824.2	40.57	0.86	21.6	Jun. 11, 2022
	826.4	40.57	0.86		
	835	40.34	0.87		
	836.4	40.18	0.88		
	836.6	40.18	0.88		
	846.6	40.02	0.89		
	848.8	40.02	0.89		

Tissue Stimulant Measurement for 835MHz					
	Fr. (MHz)	Dielectric Parameters (±10%)		Tissue Temp [°C]	Test time
		εr 41.5 (37.35-45.65)	δ[s/m] 0.90(0.81-0.99)		
Head	821.5	41.78	0.86	21.2	Jun. 12, 2022
	822.5	41.78	0.86		
	829	41.46	0.87		
	831.5	41.23	0.88		
	837.5	41.23	0.88		
	835	40.90	0.89		
	836.5	40.90	0.89		
	841.5	40.75	0.90		
	844	40.75	0.90		

Tissue Stimulant Measurement for 1750MHz					
	Fr. (MHz)	Dielectric Parameters (±10%)		Tissue Temp [°C]	Test time
		εr 40.1 (36.09-44.11)	δ[s/m]1.37(1.233-1.507)		
Head	1712.4	41.98	1.30	20.5	Jun. 21, 2022
	1720	41.72	1.31		
	1732.4	41.57	1.32		
	1732.5	41.57	1.32		
	1745	41.34	1.33		
	1750	41.05	1.34		
	1752.6	41.05	1.34		
	1755	40.86	1.35		
	1770	40.64	1.36		

Tissue Stimulant Measurement for 1900MHz					
	Fr. (MHz)	Dielectric Parameters (±10%)		Tissue Temp [°C]	Test time
		εr40.00(36.00-44.00)	δ[s/m]1.40(1.26-1.54)		
Head	1850.2	41.62	1.35	20.9	Jun. 19, 2022
	1852.4	41.62	1.35		
	1880	41.34	1.36		
	1900	41.17	1.37		
	1907.6	41.01	1.38		
	1909.8	41.01	1.38		

Tissue Stimulant Measurement for 1900MHz					
	Fr. (MHz)	Dielectric Parameters (±10%)		Tissue Temp [°C]	Test time
		εr40.00(36.00-44.00)	δ[s/m]1.40(1.26-1.54)		
Head	1860	40.35	1.37	20.6	Jun. 20, 2022
	1880	40.13	1.38		
	1882.5	40.13	1.38		
	1900	39.96	1.39		
	1905	39.96	1.39		

Tissue Stimulant Measurement for 2300MHz					
	Fr. (MHz)	Dielectric Parameters (±10%)		Tissue Temp [°C]	Test time
		εr 39.5 (35.55-43.45)	δ[s/m]1.67 (1.503-1.837)		
Head	2300	38.12	1.65	20.4	Jun. 23, 2022
	2310	37.98	1.66		
	2355	37.76	1.67		

Tissue Stimulant Measurement for 2450MHz					
	Fr. (MHz)	Dielectric Parameters (±10%)		Tissue Temp [°C]	Test time
		εr39.2(35.28-43.12)	δ[s/m]1.80(1.62-1.98)		
Head	2402	39.34	1.79	20.8	Jun. 24, 2022
	2412	39.11	1.80		
	2437	38.72	1.81		
	2441	38.56	1.82		
	2450	38.33	1.83		
	2462	38.21	1.84		
	2480	38.09	1.85		

Tissue Stimulant Measurement for 2600MHz					
	Fr. (MHz)	Dielectric Parameters (±10%)		Tissue Temp [°C]	Test time
		εr39(35.1-42.9)	δ[s/m]1.96(1.764-2.156)		
Head	2506	38.98	1.80	21.4	Jun. 10, 2022
	2580	38.75	1.81		
	2593	38.46	1.82		
	2595	38.46	1.82		
	2600	38.28	1.83		
	2610	38.04	1.84		
	2680	37.95	1.85		

Tissue Stimulant Measurement for 5200MHz					
	Fr. (MHz)	Dielectric Parameters (±10%)		Tissue Temp [°C]	Test time
		εr 36.0(32.4-39.6)	δ[s/m] 4.66(4.194 -5.126)		
Head	5180	36.57	4.67	21.2	Jun. 26, 2022
	5200	36.33	4.68		
	5220	36.33	4.68		
	5240	36.19	4.70		

Tissue Stimulant Measurement for 5300MHz					
	Fr. (MHz)	Dielectric Parameters (±10%)		Tissue Temp [°C]	Test time
		εr 35.9(32.31-39.49)	δ[s/m] 4.76(4.284-5.236)		
Head	5260	36.14	4.75	21.1	Jul. 01, 2022
	5300	35.91	4.76		
	5320	35.82	4.77		

Tissue Stimulant Measurement for 5600MHz					
	Fr. (MHz)	Dielectric Parameters (±10%)		Tissue Temp [°C]	Test time
		Er 35.5 (31.95-39.05)	δ[s/m] 5.07(4.563 -5.577)		
Head	5500	36.45	5.22	21.3	Jul. 02, 2022
	5580	36.32	5.23		
	5600	36.14	5.24		
	5700	36.09	5.25		

Tissue Stimulant Measurement for 5800MHz					
	Fr. (MHz)	Dielectric Parameters (±10%)		Tissue Temp [°C]	Test time
		εr 35.3 (31.77-38.83)	δ[s/m] 5.27 (4.743-5.797)		
Head	5745	36.51	5.39	21.5	Jun. 30, 2022
	5785	36.35	5.40		
	5800	36.17	5.41		
	5825	36.02	5.42		

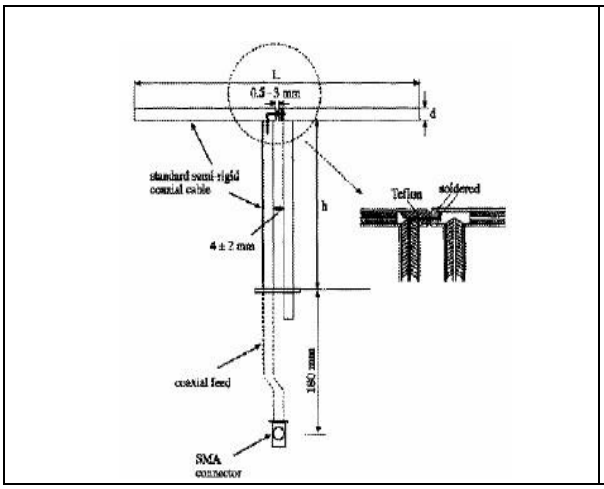
6. SAR SYSTEM CHECK PROCEDURE

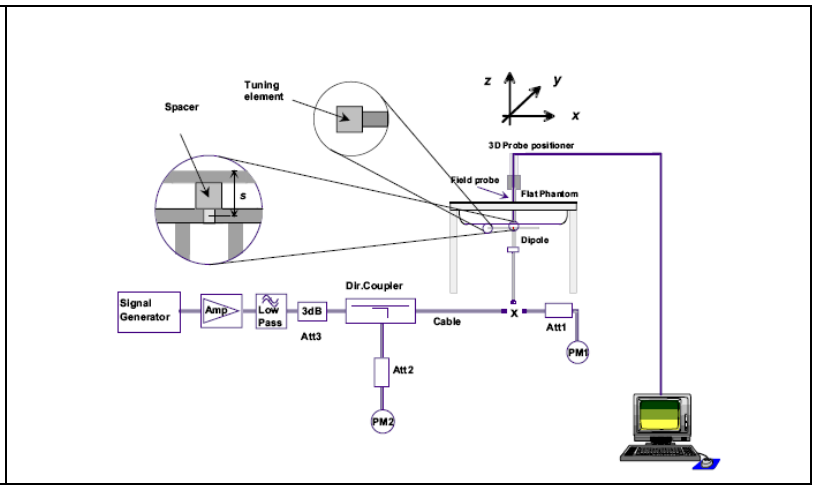
6.1. SAR System Check Procedures

SAR system check is required to confirm measurement accuracy, according to the tissue dielectric media, probe calibration points and other system operating parameters required for measuring the SAR of a test device. The system verification must be performed for each frequency band and within the valid range of each probe calibration point required for testing the device. The same SAR probe(s) and tissue-equivalent media combinations used with each specific SAR system for system verification must be used for device testing. When multiple probe calibration points are required to cover substantially large transmission bands, independent system verifications are required for each probe calibration point. A system verification must be performed before each series of SAR measurements using the same probe calibration point and tissue-equivalent medium. Additional system verification should be considered according to the conditions of the tissue-equivalent medium and measured tissue dielectric parameters, typically every three to four days when the liquid parameters are remeasured or sooner when marginal liquid parameters are used at the beginning of a series of measurements.

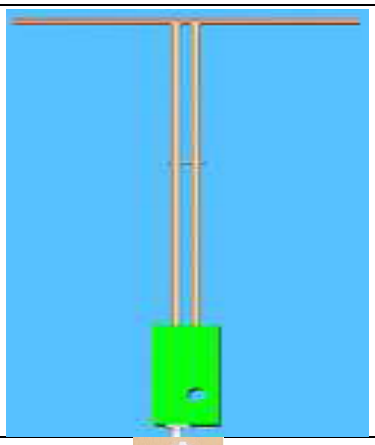
Each SATIMO system is equipped with one or more system check kits. These units, together with the predefined measurement procedures within the SATIMO software, enable the user to conduct the system check and system validation. System kit includes a dipole, and dipole device holder.

The system check verifies that the system operates within its specifications. It's performed daily or before every SAR measurement. The system check uses normal SAR measurement in the flat section of the phantom with a matched dipole at a specified distance. The system check setup is shown as below.





6.2. SAR System Check
6.2.1. Dipoles

	The dipoles used is based on the IEEE-1528 standard, and is complied with mechanical and electrical specifications in line with the requirements of IEEE. the table below provides details for the mechanical and electrical Specifications for the dipoles.
	The wave guide is based on the IEEE-1528 standard, and is complied with mechanical and electrical specifications in line with the requirements of IEEE. The table below provides details for the mechanical and electrical specifications for the wave guide.

Frequency	L (mm)	h (mm)	d (mm)
750MHz	176	100	6.35
835MHz	161.0	89.8	3.6
1800MHz	71.6	41.7	3.6
1900MHz	68	39.5	3.6
2300MHz	55.5	32.6	3.6
2450MHz	51.5	30.4	3.6
2600MHz	48.5	28.8	3.6
5000MHz	20.6	40.3	3.6

6.2.2. System Check Result

System Performance Check at 750MHz&835MHz &1800MHz &1900MHz &2300MHz &2450MHz&2600MHz & 5000MHz for Head								
Validation Kit: SN 22/16 DIP 0G750-417& SN 15/16 DIP 0G835-399& SN 46/11 DIP 1G800-186& SN 29/15 DIP 1G900-389& SN 22/16 DIP 2G300-412& SN 29/15 DIP 2G450-393& SN 22/16 DIP 2G600-407& SN 17/22 DIP 5G000-671								
Frequency [MHz]	Target Value(W/kg)		Reference Result (± 10%)		Tested Value(W/kg)		Tissue Temp. [°C]	Test time
	1g	10g	1g	10g	1g	10g		
750	8.33	5.44	7.497-9.163	4.896-5.984	9.07	5.66	20.7	Jun. 25, 2022
835	9.67	6.14	8.703-10.637	5.526-6.754	9.42	5.84	21.6	Jun. 11, 2022
835	9.67	6.14	8.703-10.637	5.526-6.754	10.37	6.51	21.2	Jun. 12, 2022
1800	37.76	19.60	33.984-41.536	17.640-21.560	38.09	19.26	20.5	Jun. 21, 2022
1900	41.26	20.86	37.134-45.386	18.774-22.946	40.96	19.89	20.9	Jun. 19, 2022
1900	41.26	20.86	37.134-45.386	18.774-22.946	39.32	19.86	20.6	Jun. 20, 2022
2300	50.12	23.16	45.108-55.132	20.844-25.476	54.16	24.31	20.4	Jun. 23, 2022
2450	54.32	24.25	48.888-59.752	21.825-26.675	52.52	23.56	20.8	Jun. 24, 2022
2600	54.94	23.77	49.446-60.434	21.393-26.147	51.81	23.24	21.4	Jun. 10, 2022
5200	73.43	21.83	66.087-80.773	19.647-24.013	73.27	21.09	21.2	Jun. 26, 2022
5200	78.43	23.90	70.587-86.020	21.510-26.290	77.52	22.93	21.1	Jul. 01, 2022
5600	78.20	24.12	70.380-86.02	21.708-26.532	82.57	23.47	21.3	Jul. 02, 2022
5800	75.69	22.44	68.121-83.259	20.196-24.684	78.02	22.44	21.5	Jun. 30, 2022
750	8.33	5.44	7.497-9.163	4.896-5.984	8.91	5.58	20.7	Jun. 25, 2022
835	9.67	6.14	8.703-10.637	5.526-6.754	9.60	6.01	21.6	Jun. 11, 2022
835	9.67	6.14	8.703-10.637	5.526-6.754	9.54	5.93	21.2	Jun. 12, 2022
1800	37.76	19.60	33.984-41.536	17.640-21.560	36.93	18.82	20.5	Jun. 21, 2022
1900	41.26	20.86	37.134-45.386	18.774-22.946	40.38	19.71	20.9	Jun. 19, 2022
1900	41.26	20.86	37.134-45.386	18.774-22.946	40.29	19.93	20.6	Jun. 20, 2022
2300	50.12	23.16	45.108-55.132	20.844-25.476	53.47	24.11	20.4	Jun. 23, 2022
2450	54.32	24.25	48.888-59.752	21.825-26.675	51.42	23.16	20.8	Jun. 24, 2022
2600	54.94	23.77	49.446-60.434	21.393-26.147	51.64	22.76	21.4	Jun. 10, 2022
5200	73.43	21.83	66.087-80.773	19.647-24.013	71.56	22.48	21.2	Jun. 26, 2022
5200	78.43	23.90	70.587-86.020	21.510-26.290	80.12	24.70	21.1	Jul. 01, 2022
5600	78.20	24.12	70.380-86.02	21.708-26.532	76.60	23.54	21.3	Jul. 02, 2022
5800	75.69	22.44	68.121-83.259	20.196-24.684	78.39	24.44	21.5	Jun. 30, 2022

Note:
(1) We use a CW signal of 18dBm&10dBm for system check, and then all SAR value are normalized to 1W forward power. The result must be within ±10% of target value.

7. EUT TEST POSITION

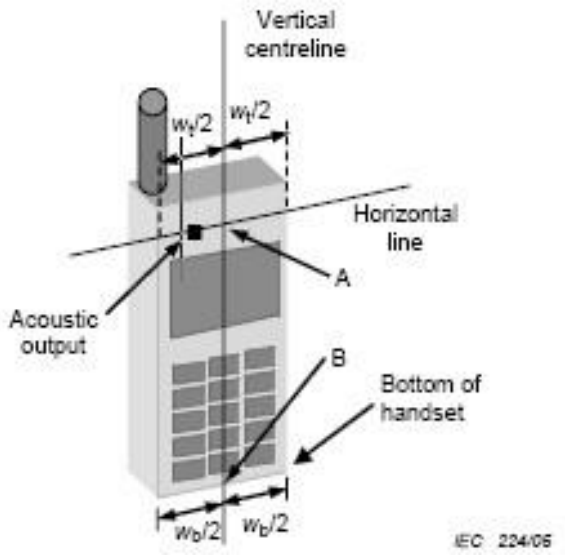
This EUT was tested in **Right Cheek, Right Tilted, Left Cheek, Left Tilted, Body back, Body front and 4 edges.**

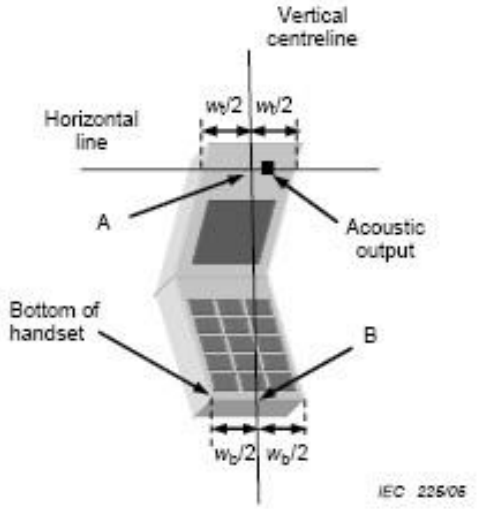
7.1. Define Two Imaginary Lines on the Handset

(1)The vertical centerline passes through two points on the front side of the handset the midpoint of the width wt of the handset at the level of the acoustic output, and the midpoint of the width wb of the handset.

(2)The horizontal line is perpendicular to the vertical centerline and passes through the center of the acoustic output. The horizontal line is also tangential to the face of the handset at point A.

(3)The two lines intersect at point A. Note that for many handsets, point A coincides with the center of the acoustic output; however, the acoustic output may be located elsewhere on the horizontal line. Also note that the vertical centerline is not necessarily to the front face of the handset, especially for clamshell handsets, handsets with flip covers, and other irregularly shaped handsets.





7.2. Cheek Position

(1) To position the device with the vertical center line of the body of the device and the horizontal line crossing the center picec in a plane parallel to the sagittal plane of the phantom. While maintaining the device in this plane, align the vertical center line with the reference plane containing the ear and mouth reference point (M: Mouth, RE: Right Ear, and LE: Left Ear) and align the center of the ear piece with the line RE-LE.

(2) To move the device towards the phantom with the ear piece aligned with the the line LE-RE until the phone touched the ear. While maintaining the device in the reference plane and maintaining the phone contact with ear, move the bottom of the phone until any point on the front side is in contact with the cheek of the phantom or until contact with the ear is lost

7.3. Tilt Position

(1) To position the device in the “cheek” position described above.

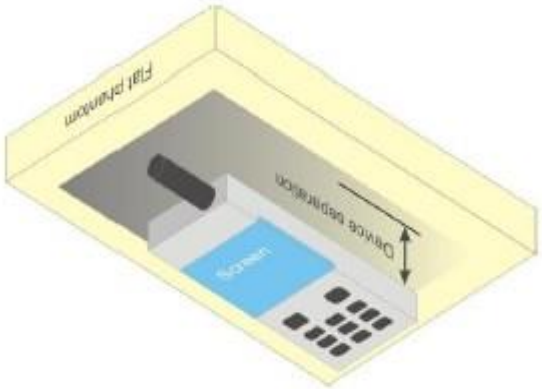
(2) While maintaining the device in the reference plane described above and pivoting against the ear, moves it outward away from the mouth by an angle of 15 degrees or until with the ear is lost.

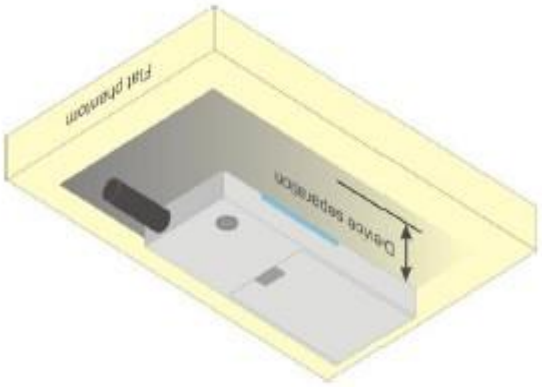
7.4. Body Worn Position

(1) To position the EUT parallel to the phantom surface.

(2) To adjust the EUT parallel to the flat phantom.

(3) To adjust the distance between the EUT surface and the flat phantom to **10mm.**





8. SAR EXPOSURE LIMITS

Limits for General Population/Uncontrolled Exposure (W/kg)

Type Exposure	Uncontrolled Environment Limit (W/kg)
Spatial Peak SAR (1g cube tissue for brain or body)	1.60
Spatial Average SAR (Whole body)	0.08
Spatial Peak SAR (Limbs)	4.0

9. TEST FACILITY

Test Site	Attestation of Global Compliance (Shenzhen) Co., Ltd
Location	1-2/F, Building 19, Junfeng Industrial Park, Chongqing Road, Heping Community, Fuhai Street, Bao'an District, Shenzhen, Guangdong, China
Designation Number	CN1259
FCC Test Firm Registration Number	975832
A2LA Cert. No.	5054.02
Description	Attestation of Global Compliance(Shenzhen) Co., Ltd is accredited by A2LA

10. TEST EQUIPMENT LIST

Equipment description	Manufacturer/ Model	Identification No.	Software version	Current calibration date	Next calibration date
SAR Probe	MVG	SN 13/22 EPGO368	N/A	Apr. 13,2022	Apr. 12,2023
Phantom	SATIMO	SN_4511_SAM90	N/A	Validated. No cal required.	Validated. No cal required.
Phantom	SATIMO	SN_2316_ELLI39	N/A	Validated. No cal required.	Validated. No cal required.
Liquid	SATIMO	N/A	N/A	Validated. No cal required.	Validated. No cal required.
Comm Tester	Agilent-8960	GB46310822	A.13.07	Aug. 18,2021	Aug. 17,2022
Comm Tester	R&S- CMW500	121209	V3.7.40	Aug. 18,2021	Aug. 17,2022
Multimeter	Keithley 2000	4114939	N/A	Aug. 18,2021	Aug. 17,2022
SAR Software	MVG-OpenSAR	N/A	OpenSAR V4_02_35	N/A	N/A
Dipole	SATIMO SID750	SN 22/16 DIP 0G750-417	N/A-	Apr. 28,2022	Apr. 27,2025
Dipole	SATIMO SID835	SN 15/16 DIP 0G835-399	N/A	Apr. 28,2022	Apr. 27,2025
Dipole	SATIMO SID1800	SN 46/11 DIP 1G800-186	N/A	Apr. 28,2022	Apr. 27,2025
Dipole	SATIMO SID1900	SN 29/15 DIP 1G900-389	N/A	Apr. 28,2022	Apr. 27,2025
Dipole	SATIMO SID2300	SN 22/16 DIP 2G300-412	N/A	Apr. 28,2022	Apr. 27,2025
Dipole	SATIMO SID2450	SN 29/15 DIP 2G450-393	N/A	Apr. 28,2022	Apr. 27,2025
Dipole	SATIMO SID2600	SN 22/16 DIP 2G600-407	N/A	Apr. 28,2022	Apr. 27, 2025
Dipole	SID5000	SN 17/22 DIP 5G000-671	N/A	Apr. 28,2022	Apr. 27, 2025
Signal Generator	Agilent-E4438C	US41461365	V5.03	Aug. 18,2021	Aug. 17,2022
Vector Analyzer	Agilent / E4440A	MY44303916	N/A	Mar. 28,2022	Mar. 27,2023
Network Analyzer	Rhode & Schwarz ZVL6	SN101443	3.2	Oct. 28,2021	Oct. 27,2022
Attenuator	Warison /WATT-6SR1211	S/N:WRJ34AYM2F1	N/A	June 08,2022	June 07,2023
Attenuator	Mini-circuits / VAT-10+	31405	N/A	June 08,2022	June 07,2023
Amplifier	AS0104-55_55	1004793	N/A	June 09,2022	June 08,2023
Directional Couple	Werlatone/ C5571-10	SN99463	N/A	Mar. 10,2022	Mar. 09,2024
Directional Couple	Werlatone/ C6026-10	SN99482	N/A	Mar. 10,2022	Mar. 09,2024
Power Sensor	NRP-Z21	1137.6000.02	N/A	Sep. 07,2021	Sep. 06,2022
Power Sensor	NRP-Z23	100323	N/A	Feb. 16,2022	Feb. 15,2023
Power Viewer	R&S	V2.3.1.0	N/A	N/A	N/A
Calibration standard parts for network sub - port	R&S/ ZV-Z132	N/A	V2.3.1.0	Dec. 07,2021	Dec. 06,2022

Note: Per KDB 865664 Dipole SAR Validation, AGC Lab has adopted 3 years calibration intervals. On annual basis, every measurement dipole has been evaluated and is in compliance with the following criteria:
1. There is no physical damage on the dipole;
2. System validation with specific dipole is within 10% of calibrated value;
3. Return-loss is within 20% of calibrated measurement;
4. Impedance is within 5Ω of calibrated measurement.

11. MEASUREMENT UNCERTAINTY

SATIMO Uncertainty- SN 13/22 EPGO368 Measurement uncertainty for DUT averaged over 1 gram / 10 gram.									
Uncertainty Component	Sec.	Tol (+- %)	Prob. Dist.	Div.	Ci (1g)	Ci (10g)	1g Ui (+-%)	10g Ui (+-%)	vi
Measurement System									
Probe calibration	E.2.1	7.000	N	1	1	1	7.000	7.000	∞
Axial Isotropy	E.2.2	0.150	R	$\sqrt{3}$	√0.5	√0.5	0.061	0.061	∞
Hemispherical Isotropy	E.2.2	0.150	R	$\sqrt{3}$	√0.5	√0.5	0.061	0.061	∞
Boundary effect	E.2.3	1.000	R	$\sqrt{3}$	1	1	0.577	0.577	∞
Linearity	E.2.4	0.610	R	$\sqrt{3}$	1	1	0.352	0.352	∞
System detection limits	E.2.4	1.000	R	$\sqrt{3}$	1	1	0.577	0.577	∞
Modulation response	E2.5	3.000	R	$\sqrt{3}$	1	1	1.732	1.732	∞
Readout Electronics	E.2.6	0.021	N	1	1	1	0.021	0.021	∞
Response Time	E.2.7	0.000	R	$\sqrt{3}$	1	1	0.000	0.000	∞
Integration Time	E.2.8	1.400	R	$\sqrt{3}$	1	1	0.808	0.808	∞
RF ambient conditions-Noise	E.6.1	3.000	R	$\sqrt{3}$	1	1	1.732	1.732	∞
RF ambient conditions-reflections	E.6.1	3.000	R	$\sqrt{3}$	1	1	1.732	1.732	∞
Probe positioner mechanical tolerance	E.6.2	1.400	R	$\sqrt{3}$	1	1	0.808	0.808	∞
Probe positioning with respect to phantom shell	E.6.3	1.400	R	$\sqrt{3}$	1	1	0.808	0.808	∞
Extrapolation, interpolation, and integrations algorithms for max. SAR evaluation	E.5	2.300	R	$\sqrt{3}$	1	1	1.328	1.328	∞
Test sample Related									
Test sample positioning	E.4.2	2.6	N	1	1	1	2.600	2.600	∞
Device holder uncertainty	E.4.1	3	N	1	1	1	3.000	3.000	∞
Output power variation—SAR drift measurement	E.2.9	5	R	$\sqrt{3}$	1	1	2.887	2.887	∞
SAR scaling	E.6.5	5	R	$\sqrt{3}$	1	1	2.887	2.887	∞
Phantom and tissue parameters									
Phantom shell uncertainty—shape, thickness, and permittivity	E.3.1	4	R	$\sqrt{3}$	1	1	2.309	2.309	∞
Uncertainty in SAR correction for deviations in permittivity and conductivity	E.3.2	1.9	N	1	1	0.84	1.900	1.596	∞
Liquid conductivity measurement	E.3.3	2.5	R	$\sqrt{3}$	0.78	0.71	1.126	1.025	∞
Liquid permittivity measurement	E.3.3	4	N	1	0.78	0.71	3.120	2.840	M
Liquid conductivity—temperature uncertainty	E.3.4	2.5	R	$\sqrt{3}$	0.23	0.26	0.332	0.375	∞
Liquid permittivity—temperature uncertainty	E.3.4	5	N	1	0.23	0.26	1.150	1.300	M
Combined Standard Uncertainty			RSS				10.519	10.334	
Expanded Uncertainty (95% Confidence interval)			K=2				21.039	20.668	

SATIMO Uncertainty- SN 13/22 EPGO368 System Validation uncertainty for DUT averaged over 1 gram / 10 gram.									
Uncertainty Component	Sec.	Tol (+- %)	Prob. Dist.	Div.	Ci (1g)	Ci (10g)	1g Ui (+-%)	10g Ui (+-%)	vi
Measurement System									
Probe calibration	E.2.1	7.000	N	1	1	1	7.000	7.000	∞
Axial Isotropy	E.2.2	0.150	R	$\sqrt{3}$	1	1	0.087	0.087	∞
Hemispherical Isotropy	E.2.2	0.150	R	$\sqrt{3}$	0	0	0.000	0.000	∞
Boundary effect	E.2.3	1.000	R	$\sqrt{3}$	1	1	0.577	0.577	∞
Linearity	E.2.4	0.610	R	$\sqrt{3}$	1	1	0.352	0.352	∞
System detection limits	E.2.4	1.0	R	$\sqrt{3}$	1	1	0.58	0.58	∞
Modulation response	E2.5	3.0	R	$\sqrt{3}$	0	0	0.00	0.00	∞
Readout Electronics	E.2.6	0.021	N	1	1	1	0.021	0.021	∞
Response Time	E.2.7	0.0	R	$\sqrt{3}$	0	0	0.00	0.00	∞
Integration Time	E.2.8	1.4	R	$\sqrt{3}$	0	0	0.00	0.00	∞
RF ambient conditions-Noise	E.6.1	3.0	R	$\sqrt{3}$	1	1	1.73	1.73	∞
RF ambient conditions-reflections	E.6.1	3.0	R	$\sqrt{3}$	1	1	1.73	1.73	∞
Probe positioner mechanical tolerance	E.6.2	1.4	R	$\sqrt{3}$	1	1	0.81	0.81	∞
Probe positioning with respect to phantom shell	E.6.3	1.4	R	$\sqrt{3}$	1	1	0.81	0.81	∞
Extrapolation, interpolation, and integrations algorithms for max. SAR evaluation	E.5	2.3	R	$\sqrt{3}$	1	1	1.33	1.33	∞
System validation source									
Deviation of experimental dipole from numerical dipole	E.6.4	5.0	N	1	1	1	5.00	5.00	∞
Input power and SAR drift measurement	8,6.6.4	5.0	R	$\sqrt{3}$	1	1	2.89	2.89	∞
Dipole axis to liquid distance	8,E.6.6	2.0	R	$\sqrt{3}$	1	1	1.15	1.15	∞
Phantom and set-up									
Phantom shell uncertainty—shape, thickness, and permittivity	E.3.1	4.0	R	$\sqrt{3}$	1	1	2.31	2.31	∞
Uncertainty in SAR correction for deviations in permittivity and conductivity	E.3.2	1.9	N	1	1	0.84	1.90	1.60	∞
Liquid conductivity（temperature uncertainty）	E.3.3	2.5	R	$\sqrt{3}$	0.78	0.71	1.13	1.02	∞
Liquid conductivity（measured）	E.3.3	4	N	1	0.78	0.71	3.12	2.84	M
Liquid permittivity（temperature uncertainty）	E.3.4	2.5	R	$\sqrt{3}$	0.23	0.26	0.33	0.38	∞
Liquid permittivity（measured）	E.3.4	5	N	1	0.23	0.26	1.15	1.30	M
Combined Standard Uncertainty			RSS				10.452	10.266	
Expanded Uncertainty (95% Confidence interval)			K=2				20.904	20.531	

SATIMO Uncertainty- SN 13/22 EPGO368 System Check uncertainty for DUT averaged over 1 gram / 10 gram.									
Uncertainty Component	Sec.	Tol (+- %)	Prob. Dist.	Div.	Ci (1g)	Ci (10g)	1g Ui (+-%)	10g Ui (+-%)	vi
Measurement System									
Probe calibration drift	E.2.1.3	0.5	N	1	1	1	0.50	0.50	∞
Axial Isotropy	E.2.2	0.150	R	$\sqrt{3}$	0	0	0.00	0.00	∞
Hemispherical Isotropy	E.2.2	0.150	R	$\sqrt{3}$	0	0	0.00	0.00	∞
Boundary effect	E.2.3	1.000	R	$\sqrt{3}$	0	0	0.00	0.00	∞
Linearity	E.2.4	0.610	R	$\sqrt{3}$	0	0	0.00	0.00	∞
System detection limits	E.2.4	1.0	R	$\sqrt{3}$	0	0	0.00	0.00	∞
Modulation response	E2.5	3.0	R	$\sqrt{3}$	0	0	0.00	0.00	∞
Readout Electronics	E.2.6	0.021	N	1	0	0	0.00	0.00	∞
Response Time	E.2.7	0	R	$\sqrt{3}$	0	0	0.00	0.00	∞
Integration Time	E.2.8	1.4	R	$\sqrt{3}$	0	0	0.00	0.00	∞
RF ambient conditions-Noise	E.6.1	3.0	R	$\sqrt{3}$	0	0	0.00	0.00	∞
RF ambient conditions-reflections	E.6.1	3.0	R	$\sqrt{3}$	0	0	0.00	0.00	∞
Probe positioner mechanical tolerance	E.6.2	1.4	R	$\sqrt{3}$	1	1	0.81	0.81	∞
Probe positioning with respect to phantom shell	E.6.3	1.4	R	$\sqrt{3}$	1	1	0.81	0.81	∞
Extrapolation, interpolation, and integrations algorithms for max. SAR evaluation	E.5	2.3	R	$\sqrt{3}$	0	0	0.00	0.00	∞
System check source (dipole)									
Deviation of experimental dipoles	E.6.4	2.0	N	1	1	1	2.00	2.00	∞
Input power and SAR drift measurement	8,6.6.4	5.0	R	$\sqrt{3}$	1	1	2.89	2.89	∞
Dipole axis to liquid distance	8,E.6.6	2.0	R	$\sqrt{3}$	1	1	1.15	1.15	∞
Phantom and tissue parameters									
Phantom shell uncertainty—shape, thickness, and permittivity	E.3.1	4	R	$\sqrt{3}$	1	1	2.31	2.31	∞
Uncertainty in SAR correction for deviations in permittivity and conductivity	E.3.2	1.9	N	1	1	0.84	1.90	1.60	∞
Liquid conductivity measurement	E.3.3	2.5	R	$\sqrt{3}$	0.78	0.71	1.13	1.02	∞
Liquid permittivity measurement	E.3.3	4	N	1	0.78	0.71	3.12	2.84	M
Liquid conductivity—temperature uncertainty	E.3.4	2.5	R	$\sqrt{3}$	0.23	0.26	0.33	0.38	∞
Liquid permittivity—temperature uncertainty	E.3.4	5	N	1	0.23	0.26	1.15	1.30	M
Combined Standard Uncertainty			RSS				5.562	5.203	
Expanded Uncertainty (95% Confidence interval)			K=2				11.124	10.406	

12. CONDUCTED POWER MEASUREMENT

GSM BAND

Mode	Frequency(MHz)	Avg. Burst Power(dBm)	Duty cycle Factor(dBm)	Frame Power(dBm)
Maximum Power <1>				
GSM 850	824.2	32.72	-9	23.72
	836.6	32.69	-9	23.69
	848.8	32.65	-9	23.65
GPRS 850 （1 Slot）	824.2	**32.73**	-9	23.73
	836.6	32.68	-9	23.68
	848.8	32.69	-9	23.69
GPRS 850 （2 Slot）	824.2	30.52	-6	24.52
	836.6	30.44	-6	24.44
	848.8	30.61	-6	**24.61**
GPRS 850 （3 Slot）	824.2	28.27	-4.26	24.01
	836.6	28.22	-4.26	23.96
	848.8	28.12	-4.26	23.86
GPRS 850 （4 Slot）	824.2	26.33	-3	23.33
	836.6	26.42	-3	23.42
	848.8	26.26	-3	23.26
EGPRS 850 （1 Slot）	824.2	26.99	-9	17.99
	836.6	26.83	-9	17.83
	848.8	26.72	-9	17.72
EGPRS 850 （2 Slot）	824.2	24.16	-6	18.16
	836.6	24.63	-6	18.63
	848.8	24.43	-6	18.43
EGPRS 850 （3 Slot）	824.2	21.84	-4.26	17.58
	836.6	22.43	-4.26	18.17
	848.8	21.96	-4.26	17.70
EGPRS 850 （4 Slot）	824.2	19.93	-3	16.93
	836.6	20.13	-3	17.13
	848.8	20.03	-3	17.03

GSM BAND CONTINUE

Mode	Frequency(MHz)	Avg. Burst Power(dBm)	Duty cycle Factor(dBm)	Frame Power(dBm)
Maximum Power <1>				
PCS1900	1850.2	28.67	-9	19.67
	1880	29.16	-9	20.16
	1909.8	29.43	-9	20.43
GPRS1900 （1 Slot）	1850.2	28.54	-9	19.54
	1880	29.05	-9	20.05
	1909.8	**29.73**	-9	20.73
GPRS1900 （2 Slot）	1850.2	27.42	-6	**21.42**
	1880	27.38	-6	21.38
	1909.8	27.41	-6	21.41
GPRS1900 （3 Slot）	1850.2	25.36	-4.26	21.10
	1880	25.44	-4.26	21.18
	1909.8	25.51	-4.26	21.25
GPRS1900 （4 Slot）	1850.2	23.87	-3	20.87
	1880	23.85	-3	20.85
	1909.8	23.79	-3	20.79
EGPRS1900 （1 Slot）	1850.2	24.68	-9	15.68
	1880	26.57	-9	17.57
	1909.8	25.76	-9	16.76
EGPRS1900 （2 Slot）	1850.2	23.11	-6	17.11
	1880	23.12	-6	17.12
	1909.8	23.05	-6	17.05
EGPRS1900 （3 Slot）	1850.2	21.89	-4.26	17.63
	1880	21.66	-4.26	17.40
	1909.8	21.74	-4.26	17.48
EGPRS1900 （4 Slot）	1850.2	20.05	-3	17.05
	1880	20.12	-3	17.12
	1909.8	20.02	-3	17.02

Note 1:
The Frame Power (Source-based time-averaged Power) is scaled the maximum burst average power based on time slots. The calculated methods are show as following:
Frame Power = Max burst power (1 Up Slot) – 9 dB
Frame Power = Max burst power (2 Up Slot) – 6 dB
Frame Power = Max burst power (3 Up Slot) – 4.26 dB
Frame Power = Max burst power (4 Up Slot) – 3 Db

UMTS BAND
HSDPA Setup Configuration:

·The EUT was connected to Base Station Agilent-8960 referred to the Setup Configuration.

·The RF path losses were compensated into the measurements.

·A call was established between EUT and Based Station with following setting:

(1) Set Gain Factors(βc and βd) parameters set according to each

(2) Set RMC 12.2Kbps+HSDPA mode.

(3) Set Cell Power=-86dBm

(4) Set HS-DSCH Configuration Type to FRC (H-set 1, QPSK)

(5) Select HSDPA Uplink Parameters

(6) Set Delta ACK, Delta NACK and Delta CQI=8

(7) Set Ack - Nack Repetition Factor to 3

(8) Set CQI Feedback Cycle (k) to 4ms

(9) Set CQI Repetition Factor to 2

(10) Power Ctrl Mode=All Up bits

·The transmitted maximum output power was recorded.

Table C.10.2.4: β values for transmitter characteristics tests with HS-DPCCH

Sub-test	βc (Note5)	βd	βd (SF)	βc/βd	βHS (Note1, Note 2)	CM (dB) (Note 3)	MPR (dB) (Note 3)
1	2/15	15/15	64	2/15	4/15	0.0	0.0
2	12/15(Note 4)	15/15(Note 4)	64	12/15(Note 4)	24/15	1.0	0.0
3	15/15	8/15	64	15/8	30/15	1.5	0.5
4	15/15	4/15	64	15/4	30/15	1.5	0.5

Note 1: ΔACK, ΔNACK and ΔCQI = 30/15 with β_{hs} = 30/15 * β_c .
Note 2: For the HS-DPCCH power mask requirement test in clause 5.2C, 5.7A, and the Error Vector Magnitude (EVM) with HS-DPCCH test in clause 5.13.1A, and HSDPA EVM with phase discontinuity in clause 5.13.1AA, ΔACK and ΔNACK = 30/15 with β_{hs} = 30/15 * β_c , and ΔCQI = 24/15 with β_{hs} = 24/15 * β_c .
Note 3: CM = 1 for βc/βd =12/15, hs/ c=24/15. For all other combinations of DPDCH, DPCCH and HS-DPCCH the MPR is based on the relative CM difference. This is applicable for only UEs that support HSDPA in release 6 and later releases.
Note 4: For subtest 2 the c/ d ratio of 12/15 for the TFC during the measurement period (TF1, TF0) is achieved by setting the signalled gain factors for the reference TFC (TF1, TF1) to c = 11/15 and d = 15/15.

HSUPA Setup Configuration:

· The EUT was connected to Base Station Agilent-8960 referred to the Setup Configuration.

· The RF path losses were compensated into the measurements.

· A call was established between EUT and Base Station with following setting * :

(1) Call Configs = 5.2B, 5.9B, 5.10B, and 5.13.2B with QPSK

(2) Set the Gain Factors (βc and βd) and parameters (AG Index) were set according to each specific sub-test in the following table, C11.1.3, quoted from the TS 34.121

(3) Set Cell Power = -86 dBm

(4) Set Channel Type = 12.2k + HSPA

(5) Set UE Target Power

(6) Power Ctrl Mode= Alternating bits

(7) Set and observe the E-TFCI

(8) Confirm that E-TFCI is equal to the target E-TFCI of 75 for sub-test 1, and other subtest's E-TFCI

· The transmitted maximum output power was recorded.

Table C.11.1.3: β values for transmitter characteristics tests with HS-DPCCH and E-DCH

Sub-test	βc	βd	βd (SF)	βc/βd	βHS (Note 1)	βec	βed (Note 4) (Note 5)	βed (SF)	βed (Codes)	CM (dB) (Note 2)	MPR (dB) (Note 2) (Note 6)	AG Index (Note 5)	E-TFCI
1	11/15 (Note 3)	15/15 (Note 3)	64	11/15 (Note 3)	22/15	209/225	1309/225	4	1	1.0	0.0	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	βed1: 47/15 βed2: 47/15	4 4	2	2.0	1.0	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	0	-	-	5/15	5/15	47/15	4	1	1.0	0.0	12	67

Note 1: For sub-test 1 to 4, ΔACK, ΔNACK and ΔCQI = 30/15 with β_{hs} = 30/15 * β_c. For sub-test 5, ΔACK, ΔNACK and ΔCQI = 5/15 with β_{hs} = 5/15 * β_c.

Note 2: CM = 1 for βc/βd =12/15, hs/ 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.

Note 3: For subtest 1 the c/ d ratio of 11/15 for the TFC during the measurement period (TF1, TF0) is achieved by setting the signalled gain factors for the reference TFC (TF1, TF1) to c = 10/15 and d = 15/15.

Note 4: In case of testing by UE using E-DPDCH Physical Layer category 1, Sub-test 3 is omitted according to TS25.306 Table 5.1g.

Note 5: βed cannot be set directly; it is set by Absolute Grant Value.

Note 6: For subtests 2, 3 and 4, UE may perform E-DPDCH power scaling at max power which could results in slightly smaller MPR values.

UMTS BAND II

Mode	Frequency (MHz)	Avg. Burst Power (dBm)
WCDMA 1900 RMC	1852.4	22.33
	1880	22.74
	1907.6	**23.04**
HSDPA Subtest 1	1852.4	21.35
	1880	21.75
	1907.6	22.06
HSDPA Subtest 2	1852.4	20.65
	1880	20.97
	1907.6	21.34
HSDPA Subtest 3	1852.4	20.64
	1880	21.04
	1907.6	21.38
HSDPA Subtest 4	1852.4	20.63
	1880	20.97
	1907.6	21.32
HSUPA Subtest 1	1852.4	19.19
	1880	19.54
	1907.6	19.92
HSUPA Subtest 2	1852.4	19.28
	1880	19.66
	1907.6	20.00
HSUPA Subtest 3	1852.4	20.23
	1880	20.60
	1907.6	20.88
HSUPA Subtest 4	1852.4	18.77
	1880	19.14
	1907.6	19.52
HSUPA Subtest 5	1852.4	18.35
	1880	18.72
	1907.6	19.03

UMTS BAND IV

Mode	Frequency (MHz)	Avg. Burst Power (dBm)
WCDMA 1700 RMC	1712.4	**22.61**
	1732.4	22.40
	1752.6	22.12
HSDPA Subtest 1	1712.4	22.54
	1732.4	21.36
	1752.6	21.47
HSDPA Subtest 2	1712.4	21.12
	1732.4	21.17
	1752.6	20.54
HSDPA Subtest 3	1712.4	21.23
	1732.4	21.01
	1752.6	21.44
HSDPA Subtest 4	1712.4	21.45
	1732.4	21.25
	1752.6	21.84
HSUPA Subtest 1	1712.4	19.89
	1732.4	19.38
	1752.6	19.71
HSUPA Subtest 2	1712.4	20.04
	1732.4	19.99
	1752.6	19.88
HSUPA Subtest 3	1712.4	20.87
	1732.4	20.58
	1752.6	20.61
HSUPA Subtest 4	1712.4	19.67
	1732.4	19.22
	1752.6	18.59
HSUPA Subtest 5	1712.4	19.72
	1732.4	18.39
	1752.6	20.97

UMTS BAND V

Mode	Frequency (MHz)	Avg. Burst Power (dBm)
WCDMA 850 RMC	826.4	**23.46**
	836.4	23.36
	846.6	23.26
HSDPA Subtest 1	826.4	22.32
	836.4	22.17
	846.6	22.13
HSDPA Subtest 2	826.4	21.88
	836.4	21.50
	846.6	21.43
HSDPA Subtest 3	826.4	21.49
	836.4	21.44
	846.6	21.42
HSDPA Subtest 4	826.4	21.39
	836.4	21.38
	846.6	21.33
HSUPA Subtest 1	826.4	22.24
	836.4	22.08
	846.6	22.02
HSUPA Subtest 2	826.4	20.23
	836.4	20.07
	846.6	20.05
HSUPA Subtest 3	826.4	21.24
	836.4	21.05
	846.6	21.02
HSUPA Subtest 4	826.4	20.24
	836.4	20.05
	846.6	19.93
HSUPA Subtest 5	826.4	19.73
	836.4	19.57
	846.6	19.48

According to 3GPP 25.101 sub-clause 6.2.2 , the maximum output power is allowed to be reduced by following the table.

Table 6.1aA: UE maximum output power with HS-DPCCH and E-DCH

UE Transmit Channel Configuration	CM(db)	MPR(db)
For all combinations of ,DPDCH,DPCCH HS-DPDCH,E-DPDCH and E-DPCCH	0≤ CM≤3.5	MAX(CM-1,0)
Note: 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.		

The device supports MPR to solve linearity issues (ACLR or SEM) due to the higher peak-to average ratios (PAR) of the HSUPA signal. This prevents saturating the full range of the TX DAC inside of device and provides a reduced power output to the RF transceiver chip according to the Cubic Metric (a function of the combinations of DPDCH, DPCCH, HS-DPCCH, E-DPDCH and E-DPCCH).

When E-DPDCH channels are present the beta gains on those channels are reduced firsts to try to get the power under the allowed limit. If the beta gains are lowered as far as possible, then a hard limiting is applied at the maximum allowed level.

The SW currently recalculates the cubic metric every time the beta gains on the E-DPDCH are reduced. The cubic metric will likely get lower each time this is done .However, there is no reported reduction of maximum output power in the HSUPA mode since the device also provides a compensation for the power back-off by increasing the gain of TX_AGC in the transceiver (PA) device.

The end effect is that the DUT output power is identical to the case where there is no MPR in the device.

LTE Band

LTE (TDD) Considerations

For Time-Division Duplex (TDD) systems, SAR must be tested using a fixed periodic duty factor according to the highest transmission duty factor implemented for the device and supported by the defined 3GPP LTE TDD configurations.

SAR was tested with the highest transmission duty factor (63.33%) using Uplink-downlink configuration 0 and Special subframe configuration 7.

LTE TDD Band 38, 40, 41, 66 supports 3GPP TS 36.211 section 4.2 for Type 2 Frame Structure and Table 4.2-2 for uplink-downlink configurations and Table 4.2-1 for Special subframe configurations.

Table 4.2-1: Configuration of special subframe (lengths of DwPTS/GP/UpPTS)

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	$21952 \cdot T_s$			$12800 \cdot T_s$		
8	$24144 \cdot T_s$			-	-	-
9	$13168 \cdot T_s$			-	-	-

Table 4.2-2: Uplink-downlink configurations

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

Calculated Duty Cycle

Uplink-Downlink Configuration	Downlink-to-Uplink Switch-point Periodicity	Subframe Number										Calculated Duty Cycle(%)
		0	1	2	3	4	5	6	7	8	9	
0	5ms	D	S	U	U	U	D	S	U	U	U	63.33
1	5ms	D	S	U	U	D	D	S	U	U	D	43.33
2	5ms	D	S	U	D	D	D	S	U	D	D	23.33
3	10ms	D	S	U	U	U	D	D	D	D	D	31.67
4	10ms	D	S	U	U	D	D	D	D	D	D	21.67
5	10ms	D	S	U	D	D	D	D	D	D	D	11.67
6	5ms	D	S	U	U	U	D	S	U	U	D	53.33

Note： Calculated Duty Cycle = Extended cyclic prefix in uplink x (Ts) x # of S + # of U
Example for Calculated Duty Cycle for Uplink-Downlink Configuration 0:
Calculated Duty Cycle = 5120 x [1/(15000 x 2048)] x 2 + 6 ms = 63.33%
where
Ts = 1/(15000 x 2048) seconds

LTE Band

Conducted Power of LTE Band 2(dBm)							
Bandwidth	**Modulation**	**RB size**	**RB offset**	**Target MPR**	**Channel**	**Channel**	**Channel**
					18607	**18900**	**19193**
1.4MHz	QPSK	1	0	0	22.38	22.69	22.46
			2	0	22.32	22.86	22.64
			5	0	22.28	22.63	22.50
		3	0	0	22.45	22.76	22.52
			1	0	22.42	22.79	22.55
			3	0	22.42	22.78	22.52
		6	0	1	21.45	21.87	21.57
	16QAM	1	0	1	21.30	21.60	21.35
			2	1	21.53	21.74	21.54
			5	1	21.23	21.55	21.35
		3	0	1	21.21	21.60	21.30
			1	1	21.20	21.61	21.30
			3	1	21.19	21.59	21.30
		6	0	2	20.43	20.85	20.57
Bandwidth	**Modulation**	**RB size**	**RB offset**	**Target MPR**	**Channel**	**Channel**	**Channel**
					18615	**18900**	**19185**
3MHz	QPSK	1	0	0	22.44	22.82	22.46
			8	0	22.40	22.80	22.43
			14	0	22.40	22.74	22.47
		8	0	1	21.37	21.76	21.39
			4	1	21.44	21.71	21.42
			7	1	21.46	21.69	21.41
		15	0	1	21.37	21.70	21.37
	16QAM	1	0	1	21.51	21.65	21.14
			8	1	21.47	21.57	21.21
			14	1	21.42	21.52	21.23
		8	0	2	20.45	20.78	20.42
			4	2	20.45	20.74	20.37
			7	2	20.43	20.71	20.42
		15	0	2	20.32	20.62	20.31

Conducted Power of LTE Band 2(dBm)							
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel	Channel	Channel
					18625	18900	19175
5MHz	QPSK	1	0	0	22.43	22.78	22.35
			12	0	22.51	22.76	22.49
			24	0	22.43	22.63	22.46
		12	0	1	21.44	21.77	21.37
			6	1	21.42	21.80	21.35
			13	1	21.42	21.63	21.41
		25	0	1	21.45	21.75	21.41
	16QAM	1	0	1	21.37	21.80	21.27
			12	1	21.46	21.82	21.38
			24	1	21.39	21.67	21.27
		12	0	2	20.35	20.84	20.38
			6	2	20.34	20.78	20.34
			13	2	20.33	20.68	20.37
		25	0	2	20.41	20.70	20.42
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel	Channel	Channel
					18650	18900	19150
10MHz	QPSK	1	0	0	22.45	23.01	22.41
			24	0	22.49	22.94	22.53
			49	0	22.53	22.67	22.43
		25	0	1	21.45	21.87	21.50
			12	1	21.47	21.88	21.48
			25	1	21.55	21.72	21.49
		50	0	1	21.51	21.77	21.41
	16QAM	1	0	1	21.46	21.82	21.13
			24	1	21.55	21.77	21.20
			49	1	21.52	21.46	21.20
		25	0	2	20.41	20.91	20.55
			12	2	20.43	20.91	20.53
			25	2	20.50	20.74	20.51
		50	0	2	20.48	20.74	20.49

Conducted Power of LTE Band 2(dBm)							
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel	Channel	Channel
					18675	18900	19125
15MHz	QPSK	1	0	0	22.39	22.90	22.38
			38	0	22.53	22.75	22.48
			74	0	22.96	22.44	22.41
		36	0	1	21.44	22.04	21.19
			18	1	21.51	21.85	21.19
			37	1	21.93	21.56	21.15
		75	0	1	21.73	21.85	21.55
	16QAM	1	0	1	21.41	22.07	21.20
			38	1	21.54	21.85	21.20
			74	1	21.91	21.58	21.18
		36	0	2	21.40	21.98	21.17
			18	2	21.49	21.89	21.21
			37	2	21.97	21.60	21.15
		75	0	2	20.59	20.82	20.47
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel	Channel	Channel
					18700	18900	19100
20MHz	QPSK	1	0	0	22.40	23.06	22.32
			49	0	22.88	22.91	22.48
			99	0	**23.13**	22.47	22.35
		50	0	1	21.47	21.89	21.45
			25	1	21.45	21.91	21.46
			50	1	21.96	21.65	21.33
		100	0	1	21.74	21.71	21.42
	16QAM	1	0	1	21.28	22.18	21.17
			49	1	21.74	21.99	21.36
			99	1	21.98	21.53	21.14
		50	0	2	20.46	20.94	20.55
			25	2	20.46	20.94	20.58
			50	2	20.97	20.67	20.41
		100	0	2	20.70	20.79	20.47

Conducted Power of LTE Band 4(dBm)							
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel	Channel	Channel
					19957	20175	20393
1.4MHz	QPSK	1	0	0	22.81	23.07	23.04
			2	0	22.93	23.21	**23.27**
			5	0	22.81	23.05	23.06
		3	0	0	22.93	23.22	23.09
			1	0	22.92	23.20	23.14
			3	0	22.92	23.17	23.17
		6	0	1	21.87	22.19	22.13
	16QAM	1	0	1	21.63	22.04	21.88
			2	1	21.72	22.29	22.02
			5	1	21.56	22.00	21.89
		3	0	1	21.65	21.98	21.92
			1	1	21.66	21.98	21.97
			3	1	21.67	22.00	21.99
		6	0	2	20.83	21.18	20.90
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel	Channel	Channel
					19965	20175	20385
3MHz	QPSK	1	0	0	22.82	23.13	22.96
			8	0	22.79	23.12	23.09
			14	0	22.75	23.08	23.14
		8	0	1	21.84	22.14	22.04
			4	1	21.80	22.13	22.04
			7	1	21.78	22.18	22.06
		15	0	1	21.76	22.10	22.02
	16QAM	1	0	1	21.82	22.16	21.86
			8	1	21.86	22.15	21.90
			14	1	21.76	22.08	21.89
		8	0	2	20.84	21.17	21.06
			4	2	20.86	21.16	21.02
			7	2	20.80	21.14	21.05
		15	0	2	20.76	21.12	20.96

Conducted Power of LTE Band 4(dBm)							
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel 19975	Channel 20175	Channel 20375
5MHz	QPSK	1	0	0	22.83	23.08	22.75
			12	0	22.87	23.22	23.02
			24	0	22.67	23.06	22.98
		12	0	1	21.74	22.14	21.98
			6	1	21.78	22.17	21.93
			13	1	21.73	22.16	22.02
		25	0	1	21.77	22.11	22.01
	16QAM	1	0	1	21.71	22.06	21.87
			12	1	21.73	22.15	22.11
			24	1	21.58	22.02	22.06
		12	0	2	20.72	21.05	20.95
			6	2	20.72	21.07	20.96
			13	2	20.70	21.13	21.04
		25	0	2	20.78	21.16	20.99
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel 20000	Channel 20175	Channel 20350
10MHz	QPSK	1	0	0	22.81	23.10	22.66
			24	0	22.70	23.24	23.09
			49	0	22.68	23.01	23.12
		25	0	1	21.75	22.21	21.86
			12	1	21.79	22.19	21.87
			25	1	21.73	22.19	22.08
		50	0	1	21.76	22.18	21.96
	16QAM	1	0	1	21.85	22.11	21.51
			24	1	21.81	22.30	21.81
			49	1	21.73	22.11	21.94
		25	0	2	20.70	21.17	20.88
			12	2	20.74	21.15	20.90
			25	2	20.73	21.14	21.08
		50	0	2	20.77	21.14	20.94

Conducted Power of LTE Band 4(dBm)							
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel 20025	Channel 20175	Channel 20325
15MHz	QPSK	1	0	0	22.66	22.91	22.68
			38	0	22.63	23.15	22.71
			74	0	22.75	22.86	22.95
		36	0	1	21.76	21.98	21.83
			18	1	21.67	22.18	21.86
			37	1	21.80	21.89	22.12
		75	0	1	21.74	22.12	21.85
	16QAM	1	0	1	21.78	22.00	21.83
			38	1	21.73	22.16	21.88
			74	1	21.79	21.88	22.07
		36	0	2	21.70	21.97	21.85
			18	2	21.66	22.17	21.86
			37	2	21.81	21.90	22.10
		75	0	2	20.69	21.06	20.84
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel 20050	Channel 20175	Channel 20300
20MHz	QPSK	1	0	0	22.71	22.89	22.98
			49	0	22.86	23.22	22.77
			99	0	22.88	22.73	23.00
		50	0	1	21.63	21.99	21.92
			25	1	21.62	22.04	21.94
			50	1	21.85	22.04	21.84
		100	0	1	21.71	22.01	21.88
	16QAM	1	0	1	21.59	21.79	22.11
			49	1	21.80	22.06	21.86
			99	1	21.82	21.66	22.12
		50	0	2	20.63	21.04	20.90
			25	2	20.65	21.05	20.90
			50	2	20.86	21.05	20.84
		100	0	2	20.68	21.05	20.84

Conducted Power of LTE Band 5(dBm)							
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel 20407	Channel 20525	Channel 20643
1.4MHz	QPSK	1	0	0	23.36	23.45	24.05
			2	0	23.49	23.61	24.20
			5	0	23.35	23.50	24.07
		3	0	0	23.41	23.46	24.01
			1	0	23.40	23.48	24.05
			3	0	23.41	23.51	24.13
		6	0	1	22.41	22.54	23.03
	16QAM	1	0	1	22.20	22.28	22.75
			2	1	22.35	22.45	22.81
			5	1	22.16	22.33	22.77
		3	0	1	22.17	22.24	22.79
			1	1	22.16	22.20	22.82
			3	1	22.13	22.26	22.86
		6	0	2	21.43	21.56	21.88
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel 20415	Channel 20525	Channel 20635
3MHz	QPSK	1	0	0	23.38	23.25	24.09
			8	0	23.38	23.45	24.09
			14	0	23.26	23.58	24.10
		8	0	1	22.40	22.31	23.02
			4	1	22.36	22.33	23.02
			7	1	22.31	22.48	22.99
		15	0	1	22.28	22.32	22.96
	16QAM	1	0	1	22.30	22.16	22.79
			8	1	22.27	22.35	22.79
			14	1	22.18	22.45	22.74
		8	0	2	21.42	21.37	21.97
			4	2	21.43	21.34	22.01
			7	2	21.31	21.52	21.95
		15	0	2	21.31	21.40	21.91

Conducted Power of LTE Band 5(dBm)							
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel 20425	Channel 20525	Channel 20625
5MHz	QPSK	1	0	0	23.39	23.19	23.96
			12	0	23.39	23.57	24.09
			24	0	23.18	23.65	23.99
		12	0	1	22.34	22.28	23.04
			6	1	22.36	22.26	22.97
			13	1	22.21	22.52	22.98
		25	0	1	22.26	22.37	22.98
	16QAM	1	0	1	22.26	22.05	22.88
			12	1	22.27	22.38	23.05
			24	1	22.02	22.54	22.98
		12	0	2	21.30	21.27	22.09
			6	2	21.36	21.27	22.06
			13	2	21.16	21.52	22.02
		25	0	2	21.34	21.45	21.96
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel 20450	Channel 20525	Channel 20600
10MHz	QPSK	1	0	0	23.41	23.09	23.84
			24	0	23.33	23.62	**24.23**
			49	0	23.20	23.92	24.05
		25	0	1	22.31	22.18	23.04
			12	1	22.34	22.22	23.01
			25	1	22.10	22.72	23.03
		50	0	1	22.21	22.50	22.99
	16QAM	1	0	1	22.17	21.79	22.77
			24	1	22.05	22.30	23.09
			49	1	21.92	22.64	22.98
		25	0	2	21.39	21.26	22.02
			12	2	21.38	21.27	22.00
			25	2	21.13	21.83	22.04
		50	0	2	21.24	21.51	22.04

Conducted Power of LTE Band 12(dBm)							
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel	Channel	Channel
					23017	23095	23173
1.4MHz	QPSK	1	0	0	23.46	23.76	23.06
			2	0	23.58	23.83	23.16
			5	0	23.49	23.64	22.95
		3	0	0	23.49	23.73	23.14
			1	0	23.50	23.73	23.10
			3	0	23.50	23.72	23.03
		6	0	1	22.55	22.78	22.10
	16QAM	1	0	1	22.31	22.57	21.98
			2	1	22.45	22.69	22.04
			5	1	22.29	22.54	21.86
		3	0	1	22.25	22.49	21.88
			1	1	22.26	22.48	21.87
			3	1	22.26	22.49	21.80
		6	0	2	21.51	21.71	21.08
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel	Channel	Channel
					23025	23095	23165
3MHz	QPSK	1	0	0	23.52	23.70	23.30
			8	0	23.52	23.76	23.11
			14	0	23.48	23.71	22.94
		8	0	1	22.53	22.72	22.15
			4	1	22.52	22.72	22.18
			7	1	22.54	22.74	21.97
		15	0	1	22.40	22.67	22.01
	16QAM	1	0	1	22.19	22.72	22.10
			8	1	22.27	22.68	21.81
			14	1	22.23	22.65	21.63
		8	0	2	21.48	21.72	21.13
			4	2	21.41	21.75	21.14
			7	2	21.48	21.77	20.96
		15	0	2	21.35	21.71	20.90

Conducted Power of LTE Band 12(dBm)							
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel 23035	Channel 23095	Channel 23155
5MHz	QPSK	1	0	0	23.41	23.58	23.48
			12	0	23.61	23.80	23.30
			24	0	23.62	23.60	22.89
		12	0	1	22.44	22.65	22.53
			6	1	22.45	22.70	22.53
			13	1	22.48	22.76	21.98
		25	0	1	22.45	22.72	22.32
	16QAM	1	0	1	22.31	22.57	22.28
			12	1	22.43	22.78	22.12
			24	1	22.48	22.57	21.73
		12	0	2	21.42	21.71	21.49
			6	2	21.40	21.68	21.50
			13	2	21.46	21.79	20.94
		25	0	2	21.46	21.71	21.32
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel 23060	Channel 23095	Channel 23130
10MHz	QPSK	1	0	0	23.46	23.58	23.71
			24	0	23.75	**23.83**	23.69
			49	0	23.72	23.46	23.00
		25	0	1	22.59	22.70	22.58
			12	1	22.59	22.65	22.57
			25	1	22.82	22.66	22.12
		50	0	1	22.69	22.69	22.41
	16QAM	1	0	1	22.15	22.56	22.51
			24	1	22.53	22.85	22.46
			49	1	22.41	22.44	21.73
		25	0	2	21.63	21.61	21.59
			12	2	21.64	21.66	21.57
			25	2	21.83	21.66	21.15
		50	0	2	21.72	21.68	21.38

Conducted Power of LTE Band 13(dBm)							
Bandwidth	**Modulation**	**RB size**	**RB offset**	**Target MPR**	**Channel**	**Channel**	**Channel**
					23205	**23230**	**23255**
5MHz	QPSK	1	0	0	22.76	23.11	23.21
			12	0	23.17	23.41	23.69
			24	0	23.16	23.50	23.73
		12	0	1	21.79	22.05	22.34
			6	1	21.78	22.06	22.34
			13	1	22.15	22.36	22.41
		25	0	1	21.98	22.18	22.38
	16QAM	1	0	1	21.66	21.80	22.10
			12	1	22.01	22.18	22.45
			24	1	22.13	22.19	22.47
		12	0	2	20.66	20.96	21.26
			6	2	20.67	21.02	21.24
			13	2	21.17	21.33	21.23
		25	0	2	20.91	21.24	21.26

Bandwidth	**Modulation**	**RB size**	**RB offset**	**Target MPR**	**Channel**
					23230
10MHz	QPSK	1	0	0	22.88
			24	0	23.46
			49	0	**23.81**
		25	0	1	21.92
			12	1	21.95
			25	1	22.39
		50	0	1	22.08
	16QAM	1	0	1	21.52
			24	1	22.14
			49	1	22.37
		25	0	2	20.89
			12	2	20.93
			25	2	21.32
		50	0	2	21.10

Conducted Power of LTE Band 17(dBm)							
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel	Channel	Channel
					23755	23790	23825
5MHz	QPSK	1	0	0	23.74	23.72	23.62
			12	0	**23.92**	23.84	23.43
			24	0	23.79	23.51	23.03
		12	0	1	22.73	22.72	22.60
			6	1	22.80	22.73	22.61
			13	1	22.91	22.53	22.15
		25	0	1	22.81	22.60	22.44
	16QAM	1	0	1	22.59	22.77	22.40
			13	1	22.77	22.77	22.26
			24	1	22.66	22.45	21.87
		12	0	2	21.75	21.69	21.55
			6	2	21.71	21.73	21.56
			13	2	21.85	21.49	21.11
		25	0	2	21.82	21.57	21.43
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel	Channel	Channel
					23780	23790	23800
10MHz	QPSK	1	0	0	23.75	23.80	23.90
			24	0	23.88	23.83	23.84
			49	0	23.34	23.23	23.15
		25	0	1	22.80	22.75	22.71
			12	1	22.77	22.73	22.69
			25	1	22.52	22.34	22.24
		50	0	1	22.65	22.52	22.52
	16QAM	1	0	1	22.47	22.76	22.65
			24	1	22.63	22.80	22.48
			49	1	22.13	22.18	21.92
		25	0	2	21.84	21.72	21.72
			12	2	21.80	21.73	21.71
			25	2	21.51	21.27	21.25
		50	0	2	21.63	21.52	21.47

Conducted Power of LTE Band 18(dBm)							
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel	Channel	Channel
					23875	23925	23975
5MHz	QPSK	1	0	0	23.86	23.75	23.51
			12	0	23.96	23.76	23.52
			24	0	23.85	23.51	23.27
		12	0	1	22.85	22.74	22.51
			6	1	22.82	22.76	22.54
			13	1	22.86	22.68	22.33
		25	0	1	22.86	22.70	22.42
	16QAM	1	0	1	22.82	22.73	22.38
			13	1	22.82	22.75	22.33
			24	1	22.66	22.48	22.10
		12	0	2	21.85	21.80	21.58
			6	2	21.83	21.78	21.55
			13	2	21.81	21.70	21.42
		25	0	2	21.90	21.77	21.50
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel	Channel	Channel
					23900	23925	23950
10MHz	QPSK	1	0	0	23.93	23.93	23.82
			24	0	**24.06**	24.00	23.78
			49	0	23.58	23.55	23.34
		25	0	1	22.89	22.87	22.80
			12	1	22.90	22.86	22.76
			25	1	22.69	22.68	22.53
		50	0	1	22.79	22.73	22.60
	16QAM	1	0	1	22.90	22.62	22.55
			24	1	22.92	22.71	22.51
			49	1	22.55	22.28	22.09
		25	0	2	21.88	21.90	21.84
			12	2	21.91	21.92	21.90
			25	2	21.73	21.75	21.62
		50	0	2	21.82	21.77	21.71

Conducted Power of LTE Band 18(dBm)					
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel
					23925
15MHz	QPSK	1	0	0	23.90
			38	0	23.79
			74	0	23.29
		38	0	1	22.80
			18	1	22.72
			37	1	22.23
		75	0	1	22.77
	16QAM	1	0	1	22.85
			38	1	22.72
			74	1	22.24
		38	0	2	22.84
			18	2	22.68
			37	2	22.25
		75	0	2	21.77

Conducted Power of LTE Band 19(dBm)							
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel 24025	Channel 24075	Channel 24125
5MHz	QPSK	1	0	0	23.36	23.59	24.14
			12	0	23.47	23.93	**24.31**
			24	0	23.60	24.02	24.26
		12	0	1	22.34	22.74	23.18
			6	1	22.32	22.69	23.14
			13	1	22.45	22.91	23.19
		25	0	1	22.40	22.80	23.16
	16QAM	1	0	1	22.16	22.55	22.90
			13	1	22.34	22.89	23.08
			24	1	22.41	23.02	23.05
		12	0	2	21.28	21.77	22.16
			6	2	21.29	21.76	22.17
			13	2	21.43	21.97	22.19
		25	0	2	21.41	21.81	22.18
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel 24050	Channel 24075	Channel 24100
10MHz	QPSK	1	0	0	23.40	23.50	23.66
			24	0	23.60	24.08	24.19
			49	0	24.07	24.29	24.25
		25	0	1	22.45	22.65	22.88
			12	1	22.44	22.67	22.91
			25	1	22.84	23.10	23.19
		50	0	1	22.63	22.83	23.03
	16QAM	1	0	1	22.27	22.20	22.39
			24	1	22.71	22.79	23.03
			49	1	22.99	22.99	22.97
		25	0	2	21.40	21.69	21.93
			12	2	21.43	21.69	21.94
			25	2	21.84	22.17	22.25
		50	0	2	21.65	21.89	22.08

Conducted Power of LTE Band 19(dBm)					
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel
					24075
15MHz	QPSK	1	0	0	23.33
			38	0	23.90
			74	0	24.19
		38	0	1	22.20
			18	1	22.82
			37	1	23.10
		75	0	1	22.96
	16QAM	1	0	1	22.20
			38	1	22.84
			74	1	23.10
		38	0	2	22.21
			18	2	22.82
			37	2	23.11
		75	0	2	21.85

Conducted Power of LTE Band 25(dBm)							
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel 26047	Channel 26365	Channel 26683
1.4MHz	QPSK	1	0	0	22.52	22.80	22.64
			2	0	22.73	23.00	22.75
			5	0	22.44	22.83	22.64
		3	0	0	22.55	22.83	22.76
			1	0	22.57	22.87	22.71
			3	0	22.54	22.85	22.78
		6	0	1	21.62	21.84	21.71
	16QAM	1	0	1	21.42	21.67	21.42
			2	1	21.56	21.74	21.62
			5	1	21.42	21.65	21.41
		3	0	1	21.34	21.63	21.48
			1	1	21.31	21.67	21.48
			3	1	21.34	21.65	21.46
		6	0	2	20.56	20.73	20.67
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel 26055	Channel 26365	Channel 26675
3MHz	QPSK	1	0	0	22.59	22.96	22.58
			8	0	22.50	22.87	22.71
			14	0	22.54	22.90	22.68
		8	0	1	21.60	21.82	21.68
			4	1	21.57	21.82	21.72
			7	1	21.56	21.79	21.68
		15	0	1	21.53	21.78	21.63
	16QAM	1	0	1	21.66	21.77	21.42
			8	1	21.54	21.64	21.48
			14	1	21.53	21.63	21.44
		8	0	2	20.58	20.85	20.67
			4	2	20.57	20.83	20.66
			7	2	20.49	20.80	20.72
		15	0	2	20.53	20.72	20.60

Conducted Power of LTE Band 25(dBm)							
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel	Channel	Channel
					26065	26365	26665
5MHz	QPSK	1	0	0	22.53	22.85	22.60
			12	0	22.63	22.86	22.72
			24	0	22.57	22.73	22.70
		12	0	1	21.53	21.84	21.61
			6	1	21.55	21.86	21.61
			13	1	21.56	21.81	21.59
		25	0	1	21.55	21.86	21.57
	16QAM	1	0	1	21.50	21.90	21.42
			12	1	21.58	21.91	21.61
			24	1	21.44	21.79	21.59
		12	0	2	20.47	20.84	20.65
			6	2	20.43	20.90	20.54
			13	2	20.50	20.82	20.62
		25	0	2	20.53	20.82	20.63
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel	Channel	Channel
					26090	26365	26640
10MHz	QPSK	1	0	0	22.54	23.01	22.54
			24	0	22.61	23.05	22.66
			49	0	22.66	22.79	22.65
		25	0	1	21.57	21.91	21.61
			12	1	21.55	21.91	21.61
			25	1	21.68	21.86	21.64
		50	0	1	21.64	21.83	21.56
	16QAM	1	0	1	21.56	21.81	21.30
			24	1	21.65	21.88	21.55
			49	1	21.65	21.50	21.48
		25	0	2	20.55	20.94	20.61
			12	2	20.54	20.93	20.59
			25	2	20.64	20.89	20.66
		50	0	2	20.59	20.89	20.62

Conducted Power of LTE Band 25(dBm)							
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel 26115	Channel 26365	Channel 26615
15MHz	QPSK	1	0	0	22.48	22.97	22.49
			38	0	22.59	22.81	22.60
			74	0	22.99	22.55	22.59
		38	0	1	21.46	22.12	21.25
			18	1	21.59	21.94	21.38
			37	1	21.99	21.70	21.37
		75	0	1	21.77	21.92	21.67
	16QAM	1	0	1	21.52	22.06	21.26
			38	1	21.63	21.92	21.34
			74	1	22.03	21.72	21.37
		38	0	2	21.45	22.09	21.28
			18	2	21.64	21.93	21.36
			37	2	22.06	21.70	21.41
		75	0	2	20.67	20.93	20.59
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel 26140	Channel 26365	Channel 26590
20MHz	QPSK	1	0	0	22.46	23.12	22.47
			49	0	22.96	22.91	22.64
			99	0	**23.25**	22.64	22.57
		50	0	1	21.52	21.95	21.64
			25	1	21.54	21.98	21.67
			50	1	22.13	21.72	21.65
		100	0	1	21.84	21.82	21.62
	16QAM	1	0	1	21.36	22.20	21.28
			49	1	21.78	22.13	21.57
			99	1	22.12	21.69	21.42
		50	0	2	20.53	20.98	20.74
			25	2	20.52	21.01	20.73
			50	2	21.09	20.77	20.68
		100	0	2	20.82	20.85	20.66

Conducted Power of LTE Band 26A (dBm)							
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel	Channel	Channel
					26797	26915	27033
1.4MHz	QPSK	1	0	0	23.40	23.33	24.05
			2	0	23.53	23.50	**24.15**
			5	0	23.36	23.43	24.02
		3	0	0	23.35	23.33	23.96
			1	0	23.36	23.36	23.94
			3	0	23.35	23.42	23.99
		6	0	1	22.43	22.46	23.02
	16QAM	1	0	1	22.14	22.18	22.69
			2	1	22.28	22.34	22.86
			5	1	22.06	22.23	22.69
		3	0	1	22.20	22.14	22.73
			1	1	22.20	22.12	22.71
			3	1	22.12	22.15	22.70
		6	0	2	21.25	21.41	21.82
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel	Channel	Channel
					26805	26915	27025
3MHz	QPSK	1	0	0	23.38	23.24	24.06
			8	0	23.29	23.43	24.11
			14	0	23.28	23.57	24.05
		8	0	1	22.37	22.29	22.98
			4	1	22.42	22.29	22.98
			7	1	22.26	22.49	22.99
		15	0	1	22.26	22.37	22.92
	16QAM	1	0	1	22.35	22.18	22.74
			8	1	22.23	22.32	22.73
			14	1	22.16	22.48	22.69
		8	0	2	21.35	21.33	21.94
			4	2	21.34	21.33	21.97
			7	2	21.27	21.45	21.90
		15	0	2	21.29	21.39	21.85

Conducted Power of LTE Band 26A(dBm)							
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel	Channel	Channel
					26815	26915	27015
5MHz	QPSK	1	0	0	23.34	23.16	23.91
			12	0	23.36	23.53	24.07
			24	0	23.19	23.63	23.93
		12	0	1	22.33	22.24	22.95
			6	1	22.29	22.22	22.93
			13	1	22.17	22.49	22.88
		25	0	1	22.23	22.38	22.94
	16QAM	1	0	1	22.29	22.00	22.89
			12	1	22.22	22.35	23.00
			24	1	22.03	22.54	22.88
		12	0	2	21.29	21.24	22.01
			6	2	21.32	21.20	21.96
			13	2	21.17	21.47	21.96
		25	0	2	21.28	21.41	21.93
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel	Channel	Channel
					26840	26915	26990
10MHz	QPSK	1	0	0	23.38	23.04	23.68
			24	0	23.24	23.51	24.03
			49	0	23.15	23.86	23.99
		25	0	1	22.24	22.16	22.93
			12	1	22.27	22.15	22.92
			25	1	22.01	22.61	22.86
		50	0	1	22.10	22.39	22.88
	16QAM	1	0	1	22.11	21.75	22.66
			24	1	22.00	22.20	22.87
			49	1	21.85	22.55	22.92
		25	0	2	21.30	21.19	21.95
			12	2	21.32	21.22	21.93
			25	2	21.04	21.70	21.91
		50	0	2	21.15	21.50	21.90

Conducted Power of LTE Band 26A(dBm)							
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel 26865	Channel 26915	Channel 26965
15MHz	QPSK	1	0	0	23.24	23.00	23.13
			38	0	23.04	23.45	23.92
			74	0	23.60	23.88	23.88
		38	0	1	22.02	21.92	22.14
			18	1	21.78	22.39	22.92
			37	1	22.31	22.80	22.89
		75	0	1	22.31	22.54	22.91
	16QAM	1	0	1	22.02	21.90	22.17
			38	1	21.73	22.37	22.92
			74	1	22.25	22.83	22.90
		38	0	2	22.03	21.88	22.11
			18	2	21.75	22.38	22.93
			37	2	22.26	22.78	22.89
		75	0	2	21.23	21.54	21.82

Conducted Power of LTE Band 26B(dBm)							
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel	Channel	Channel
					26697	26740	26783
1.4MHz	QPSK	1	0	0	23.64	23.59	23.45
			2	0	**23.78**	23.74	23.50
			5	0	23.61	23.55	23.35
		3	0	0	23.69	23.55	23.40
			1	0	23.69	23.58	23.41
			3	0	23.68	23.56	23.36
		6	0	1	22.77	22.72	22.52
	16QAM	1	0	1	22.43	22.42	22.28
			2	1	22.58	22.52	22.44
			5	1	22.38	22.39	22.21
		3	0	1	22.50	22.38	22.21
			1	1	22.49	22.40	22.18
			3	1	22.42	22.28	22.17
		6	0	2	21.66	21.61	21.44
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel	Channel	Channel
					26705	26740	26775
3MHz	QPSK	1	0	0	23.77	23.69	23.54
			8	0	23.71	23.70	23.42
			14	0	23.62	23.63	23.37
		8	0	1	22.68	22.67	22.53
			4	1	22.74	22.62	22.58
			7	1	22.73	22.64	22.48
		15	0	1	22.68	22.60	22.44
	16QAM	1	0	1	22.72	22.46	22.21
			8	1	22.64	22.41	22.24
			14	1	22.58	22.37	22.18
		8	0	2	21.72	21.58	21.50
			4	2	21.74	21.56	21.50
			7	2	21.68	21.54	21.41
		15	0	2	21.65	21.43	21.29

Conducted Power of LTE Band 26B(dBm)							
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel	Channel	Channel
					26715	26740	26765
5MHz	QPSK	1	0	0	23.67	23.56	23.52
			12	0	23.78	23.65	23.60
			24	0	23.62	23.46	23.38
		12	0	1	22.67	22.57	22.52
			6	1	22.65	22.61	22.50
			13	1	22.67	22.60	22.43
		25	0	1	22.69	22.58	22.49
	16QAM	1	0	1	22.63	22.60	22.40
			12	1	22.61	22.66	22.43
			24	1	22.52	22.51	22.21
		12	0	2	21.59	21.57	21.42
			6	2	21.59	21.61	21.45
			13	2	21.63	21.54	21.36
		25	0	2	21.68	21.55	21.49
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel	Channel	Channel
					26740		
10MHz	QPSK	1	0	0	23.74		
			24	0	23.71		
			49	0	23.47		
		25	0	1	22.64		
			12	1	22.68		
			25	1	22.48		
		50	0	1	22.59		
	16QAM	1	0	1	22.50		
			24	1	22.47		
			49	1	22.24		
		25	0	2	21.68		
			12	2	21.60		
			25	2	21.50		
		50	0	2	21.53		

Conducted Power of LTE Band 26B(dBm)							
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel	Channel	Channel
					26765		
15MHz	QPSK	1	0	0	23.65		
			38	0	23.54		
			74	0	23.11		
		38	0	1	22.63		
			18	1	22.54		
			37	1	22.01		
		75	0	1	22.54		
	16QAM	1	0	1	22.62		
			38	1	22.51		
			74	1	22.03		
		38	0	2	22.60		
			18	2	22.46		
			37	2	22.07		
		75	0	2	21.44		

Conducted Power of LTE Band 38 (dBm)							
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel	Channel	Channel
					37775	38000	38225
5MHz	QPSK	1	0	0	23.49	23.07	23.97
			12	0	23.47	23.28	24.19
			24	0	23.19	23.15	24.08
		12	0	1	22.46	22.15	22.99
			6	1	22.47	22.10	23.04
			13	1	22.26	22.18	23.11
		25	0	1	22.39	22.16	23.06
	16QAM	1	0	1	22.51	21.95	22.86
			12	1	22.49	22.14	23.09
			24	1	22.24	22.04	22.98
		12	0	2	21.46	21.15	21.98
			6	2	21.45	21.11	22.01
			13	2	21.29	21.16	22.07
		25	0	2	21.36	21.20	22.13
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel	Channel	Channel
					37800	38000	38200
10MHz	QPSK	1	0	0	23.55	23.12	23.76
			24	0	23.49	23.54	**24.27**
			49	0	23.09	23.33	24.09
		25	0	1	22.39	22.20	22.89
			12	1	22.38	22.17	22.93
			25	1	22.24	22.25	23.11
		50	0	1	22.26	22.20	22.98
	16QAM	1	0	1	22.53	21.93	22.49
			24	1	22.51	22.28	23.00
			49	1	22.11	22.11	22.83
		25	0	2	21.36	21.20	21.94
			12	2	21.35	21.17	21.92
			25	2	21.18	21.24	22.15
		50	0	2	21.28	21.21	21.97

Conducted Power of LTE Band 38 (dBm)							
Bandwidth	**Modulation**	**RB size**	**RB offset**	**Target MPR**	**Channel**	**Channel**	**Channel**
					37825	**38000**	**38175**
15MHz	QPSK	1	0	0	23.40	22.88	23.47
			38	0	23.16	23.09	23.89
			74	0	22.93	23.17	24.04
		37	0	1	22.44	22.03	22.23
			18	1	22.16	22.29	22.65
			37	1	21.95	22.34	22.78
		75	0	1	22.23	22.22	22.90
	16QAM	1	0	1	22.44	22.04	22.24
			38	1	22.16	22.27	22.66
			74	1	21.95	22.30	22.76
		37	0	2	22.43	22.01	22.22
			18	2	22.16	22.23	22.67
			37	2	21.95	22.33	22.78
		75	0	2	21.14	21.20	21.89
Bandwidth	**Modulation**	**RB size**	**RB offset**	**Target MPR**	**Channel**	**Channel**	**Channel**
					37850	**38000**	**38150**
20MHz	QPSK	1	0	0	23.43	22.92	23.20
			49	0	23.41	23.49	23.92
			99	0	23.04	23.40	23.92
		50	0	1	22.17	22.08	22.50
			25	1	22.18	22.08	22.51
			49	1	22.04	22.28	22.90
		100	0	1	22.10	22.18	22.71
	16QAM	1	0	1	22.26	22.02	22.01
			49	1	22.26	22.57	22.76
			99	1	21.92	22.49	22.73
		50	0	2	21.18	21.11	21.57
			25	2	21.16	21.13	21.53
			49	2	21.07	21.28	21.98
		100	0	2	21.09	21.21	21.73

Avg. Output Power of LTE Band 40(dBm) -Lower Side						
Bandwidth	**Modulation**	**RB size**	**RB offset**	**Channel**	**Channel**	**Channel**
				38725	**38750**	**38775**
5MHz	QPSK	1	0	23.62	23.61	23.75
			12	23.82	23.84	23.92
			24	23.77	23.72	23.82
		12	0	22.56	22.65	22.77
			6	22.64	22.63	22.73
			13	22.67	22.76	22.82
		25	0	22.63	22.68	22.73
	16QAM	1	0	22.43	22.61	22.57
			12	22.63	22.84	22.77
			24	22.60	22.74	22.62
		12	0	21.51	21.59	21.72
			6	21.48	21.62	21.69
			13	21.59	21.75	21.68
		25	0	21.59	21.58	21.70

Bandwidth	**Modulation**	**RB size**	**RB offset**	**Channel**
				38750
10MHz	QPSK	1	0	23.72
			24	**24.13**
			49	23.87
		25	0	22.65
			12	22.64
			25	22.80
		50	0	22.68
	16QAM	1	0	22.40
			24	22.84
			49	22.60
		25	0	21.63
			12	21.62
			25	21.74
		50	0	21.72

Avg. Output Power of LTE Band 40(dBm) -Upper Side						
Bandwidth	**Modulation**	**RB size**	**RB offset**	**Channel**	**Channel**	**Channel**
				39175	**39200**	**39225**
5MHz	QPSK	1	0	22.62	22.56	21.40
			12	**22.75**	22.65	21.54
			24	22.56	22.53	21.46
		12	0	21.61	21.58	20.41
			6	21.63	21.53	20.42
			13	20.77	20.42	20.49
		25	0	20.86	20.38	20.44
	16QAM	1	0	21.51	21.40	20.37
			12	21.62	21.50	20.50
			24	21.47	21.49	20.35
		12	0	20.57	20.47	19.40
			6	20.54	20.43	19.41
			13	19.79	19.44	19.50
		25	0	20.47	19.47	19.50

Bandwidth	**Modulation**	**RB size**	**RB offset**	**Channel**
				39200
10MHz	QPSK	1	0	20.46
			24	20.75
			49	20.59
		25	0	19.47
			12	19.47
			25	19.60
		50	0	19.57
	16QAM	1	0	19.55
			24	19.78
			49	19.69
		25	0	18.41
			12	18.44
			25	18.59
		50	0	18.54

Conducted Power of LTE Band 41(dBm)							
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel	Channel	Channel
					39675	40620	41565
5MHz	QPSK	1	0	0	20.92	20.61	19.29
			12	0	21.00	20.67	19.16
			24	0	21.16	20.72	19.42
		12	0	1	20.01	19.80	18.38
			6	1	19.93	19.75	18.42
			13	1	20.13	19.73	18.42
		25	0	1	20.06	19.68	18.40
	16QAM	1	0	1	19.94	19.80	18.53
			12	1	19.99	19.66	18.53
			24	1	20.21	19.88	18.46
		12	0	2	18.98	18.74	17.42
			6	2	18.99	18.71	17.46
			13	2	19.10	18.68	17.37
		25	0	2	19.14	18.69	17.41
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel	Channel	Channel
					39700	40620	41540
10MHz	QPSK	1	0	0	20.72	20.65	19.98
			24	0	20.96	20.62	19.41
			49	0	21.14	20.66	19.28
		25	0	1	20.06	19.78	18.73
			12	1	20.08	19.79	18.74
			25	1	20.38	19.85	18.45
		50	0	1	20.25	19.70	18.52
	16QAM	1	0	1	19.91	19.82	18.61
			24	1	20.28	19.83	18.29
			49	1	20.38	19.76	18.25
		25	0	2	19.02	18.73	17.84
			12	2	19.03	18.73	17.73
			25	2	19.38	18.79	17.49
		50	0	2	19.24	18.77	17.68

Conducted Power of LTE Band 41(dBm)							
Bandwidth	**Modulation**	**RB size**	**RB offset**	**Target MPR**	**Channel**	**Channel**	**Channel**
					39725	**40620**	**41515**
15MHz	QPSK	1	0	0	21.98	21.61	20.63
			38	0	21.86	21.19	19.81
			74	0	22.06	21.35	19.64
		37	0	1	21.08	20.66	19.79
			18	1	20.97	20.28	19.00
			37	1	21.20	20.46	18.85
		75	0	1	20.73	20.30	18.71
	16QAM	1	0	1	21.13	20.70	19.82
			38	1	21.00	20.30	19.01
			74	1	21.20	20.46	18.87
		37	0	2	21.08	20.66	19.78
			18	2	20.97	20.27	19.00
			37	2	21.19	20.45	18.91
		75	0	2	19.73	19.28	17.72
Bandwidth	**Modulation**	**RB size**	**RB offset**	**Target MPR**	**Channel**	**Channel**	**Channel**
					39750	**40620**	**41490**
20MHz	QPSK	1	0	0	**22.08**	21.58	20.70
			49	0	21.85	21.16	19.73
			99	0	21.90	21.26	19.52
		50	0	1	20.85	20.39	19.22
			25	1	20.85	20.39	19.22
			50	1	20.81	20.17	18.30
		100	0	1	20.79	20.26	18.77
	16QAM	1	0	1	21.04	20.53	19.87
			49	1	20.80	20.11	18.91
			99	1	20.85	20.20	18.71
		50	0	2	19.86	19.39	18.27
			25	2	19.84	19.38	18.26
			50	2	19.81	19.16	17.33
		100	0	2	19.79	19.25	17.79

Conducted Power of LTE Band 66(dBm)							
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel 131979	Channel 132322	Channel 132665
1.4MHz	QPSK	1	0	0	22.42	22.21	22.49
			2	0	22.50	22.38	22.66
			5	0	22.37	22.26	22.53
		3	0	0	22.54	22.38	22.56
			1	0	22.53	22.38	22.57
			3	0	22.49	22.38	22.56
		6	0	1	21.52	21.33	21.56
	16QAM	1	0	1	21.43	21.19	21.33
			2	1	21.52	21.26	21.50
			5	1	21.35	21.18	21.36
		3	0	1	21.36	21.19	21.38
			1	1	21.37	21.19	21.40
			3	1	21.36	21.19	21.48
		6	0	2	20.49	20.34	20.42
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel 131987	Channel 132322	Channel 132657
3MHz	QPSK	1	0	0	22.46	22.31	22.58
			8	0	22.44	22.30	22.55
			14	0	22.41	22.28	22.60
		8	0	1	21.49	21.35	21.59
			4	1	21.45	21.35	21.57
			7	1	21.51	21.37	21.56
		15	0	1	21.43	21.29	21.57
	16QAM	1	0	1	21.54	21.40	21.43
			8	1	21.48	21.33	21.38
			14	1	21.42	21.36	21.41
		8	0	2	20.52	20.33	20.54
			4	2	20.48	20.34	20.52
			7	2	20.45	20.33	20.53
		15	0	2	20.42	20.36	20.44

Conducted Power of LTE Band 66(dBm)							
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel 131997	Channel 132322	Channel 132647
5MHz	QPSK	1	0	0	22.49	22.33	22.43
			12	0	22.51	22.45	22.57
			24	0	22.35	22.35	22.53
		12	0	1	21.50	21.39	21.60
			6	1	21.45	21.40	21.57
			13	1	21.42	21.35	21.58
		25	0	1	21.45	21.41	21.58
	16QAM	1	0	1	21.42	21.30	21.54
			12	1	21.45	21.36	21.70
			24	1	21.31	21.32	21.55
		12	0	2	20.45	20.37	20.58
			6	2	20.43	20.31	20.56
			13	2	20.40	20.32	20.53
		25	0	2	20.43	20.37	20.53
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel 132022	Channel 132322	Channel 132622
10MHz	QPSK	1	0	0	22.47	22.53	22.57
			24	0	22.51	22.45	22.70
			49	0	22.34	22.51	22.57
		25	0	1	21.48	21.48	21.68
			12	1	21.52	21.47	21.67
			25	1	21.51	21.51	21.59
		50	0	1	21.48	21.47	21.66
	16QAM	1	0	1	21.58	21.51	21.41
			24	1	21.54	21.51	21.55
			49	1	21.41	21.54	21.41
		25	0	2	20.48	20.43	20.69
			12	2	20.47	20.46	20.68
			25	2	20.50	20.44	20.63
		50	0	2	20.41	20.48	20.61

Conducted Power of LTE Band 66(dBm)							
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel 132047	Channel 132322	Channel 132597
15MHz	QPSK	1	0	0	22.37	22.56	22.50
			38	0	22.33	22.31	22.45
			74	0	22.48	22.44	22.40
		38	0	1	21.45	21.60	21.65
			18	1	21.39	21.35	21.60
			37	1	21.45	21.56	21.52
		75	0	1	21.47	21.51	21.61
	16QAM	1	0	1	21.46	21.57	21.69
			38	1	21.39	21.37	21.64
			74	1	21.44	21.52	21.58
		38	0	2	21.43	21.59	21.71
			18	2	21.35	21.37	21.65
			37	2	21.50	21.54	21.53
		75	0	2	20.44	20.45	20.58
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel 132072	Channel 132322	Channel 132572
20MHz	QPSK	1	0	0	22.44	**22.72**	22.66
			49	0	22.68	22.49	22.67
			99	0	22.65	22.67	22.49
		50	0	1	21.48	21.65	21.72
			25	1	21.46	21.59	21.78
			50	1	21.63	21.53	21.48
		100	0	1	21.57	21.63	21.66
	16QAM	1	0	1	21.42	21.64	21.77
			49	1	21.44	21.51	21.90
			99	1	21.60	21.59	21.65
		50	0	2	20.41	20.64	20.76
			25	2	20.41	20.59	20.77
			50	2	20.64	20.53	20.53
		100	0	2	20.53	20.61	20.63

The following tests were conducted according to the test requirements outlined in section 6.2 of the 3GPP TS36.101 specification.
UE Power Class: 3 (23 +/- 2dBm). The allowed Maximum Power Reduction (MPR) for the maximum output power due to higher order modulation and transmit bandwidth configuration (resource blocks) is specified in Table 6.2.3.3-1 of the 3GPP TS36.101.

Table 6.2.3.3-1 Maximum Power Reduction (MPR) for Power class3

Modulation	Maximum Power Reduction (MPR) for Power[RB]						MPR(dB)
	1.4MHz	3MHz	5MHz	10MHz	15MHz	20MHz	
QPSK	＞5	＞4	＞8	＞12	＞16	＞18	≤1
16QAM	≤5	≤4	≤8	≤12	≤16	≤18	≤1
16QAM	＞5	＞4	＞8	＞12	＞16	＞18	≤2

The allowed A-MPR values specified below in Table 6.2.4.3-1 of 3GPP TS36.101 are in addition to the allowed MPR requirements. All the measurements below were performed with A-MPR disabled, by using Network Signaling Value of “NS_01”.3

Table 6.2.4.3-1: Additional Maximum Power Reduction (A-MPR) / Spectrum Emission requirements

Network Signaling value	Requirements (sub-clause)	E-UTRA Band	Channel bandwidth (MHz)	Resources Blocks (N_{RB})	A-MPR (dB)
NS_01	6.6.2.1.1	Table 5.2-1	1.4,3,5,10,15,20	Table 5.4.2-1	N/A
NS_03	6.6.2.2.3.1	2,4,10, 23, 25,35,36	3	>5	≤ 1
			5	>6	≤ 1
			10	>6	≤ 1
			15	>8	≤ 1
			20	>10	≤ 1
NS_04	6.6.2.2.3.2	41	5	>6	≤1
			10, 15, 20	Table 6.2.4.3-4	
NS_05	6.6.3.3.3.1	1	10,15,20	≥ 50	≤ 1
NS_06	6.6.2.2.3.3	12, 13, 14, 17	1.4, 3, 5, 10	Table 5.4.2-1	N/A
NS_07	6.6.2.2.3.3 6.6.3.3.3.2	13	10	Table 6.2.4.3-2	Table 6.2.4.3-2
NS_08	6.6.3.3.3.3	19	10, 15	> 44	≤ 3
NS_09	6.6.3.3.3.4	21	10, 15	> 40	≤ 1
				> 55	≤ 2
NS_10		20	15, 20	Table 6.2.4.3-3	Table 6.2.4.3-3
NS_11	6.6.2.2.1 6.6.3.3.13	231	1.4, 3, 5, 10,15,20	Table 6.2.4.3-5	Table 6.2.4.3-5
NS_12	6.6.3.3.5	26	1.4, 3, 5	Table 6.2.4.3-6	Table 6.2.4.3-6
NS_13	6.6.3.3.6	26	5	Table 6.2.4.3-7	Table 6.2.4.3-7
NS_14	6.6.3.3.7	26	10, 15	Table 6.2.4.3-8	Table 6.2.4.3-8
NS_15	6.6.3.3.8	26	1.4, 3, 5, 10, 15	Table 6.2.4.3-9 Table 6.2.4.3-10	Table 6.2.4.3-9, Table 6.2.4.3-10
NS_16	6.6.3.3.9	27	3, 5, 10	Table 6.2.4.3-11, Table 6.2.4.3-12, Table 6.2.4.3-13	
NS_17	6.6.3.3.10 6.6.3.3.11	28 28	5, 10	Table 5.4.2-1	N/A
			5	≥ 2	≤ 1
NS_18			10, 15, 20	≥ 1	≤ 4
NS_19			10, 15, 20	Table 6.2.4.3-15	Table 6.2.4.3-15
NS_20			5, 10, 15, 20	Table 6.2.4.3-14	Table 6.2.4.3-14
…					
NS_20	-	-	-	-	-

WIFI

Mode	Data Rate (Mbps)	Channel	Frequency(MHz)	Avg. Burst Power(dBm)
802.11b	1	01	2412	**15.36**
		06	2437	15.10
		11	2462	14.94
802.11g	6	01	2412	13.33
		06	2437	13.13
		11	2462	12.98
802.11n(20)	6.5	01	2412	13.15
		06	2437	13.27
		11	2462	12.86
802.11n(40)	13.5	03	2422	12.63
		06	2437	11.60
		09	2452	11.56

Bluetooth_V5.0(BR/EDR)

Modulation	Channel	Frequency(MHz)	Peak Power (dBm)
GFSK	0	2402	7.386
	39	2441	7.108
	78	2480	**7.588**
π /4-DQPSK	0	2402	6.637
	39	2441	5.813
	78	2480	6.088
8-DPSK	0	2402	6.250
	39	2441	5.979
	78	2480	6.185

Bluetooth_V5.0(BLE)

Modulation	Channel	Frequency(MHz)	Peak Power (dBm)
GFSK 1M	0	2402	-4.581
	19	2440	**-4.285**
	39	2480	-5.553
GFSK 2M	0	2402	-4.690
	19	2440	-4.349
	39	2480	-5.553

5GHz WIFI

Mode	channel	Frequency	Power(dBm)							
			Data Rate(bps)							
			6M	9M	12M	18M	24M	36M	48M	54M
802.11a	36	5180	9.86	9.72	9.64	9.55	9.41	9.34	9.19	9.15
	40	5200	10.02	9.85	9.76	9.70	9.58	9.51	9.33	9.29
	44	5220	10.15	10.08	9.87	9.80	9.75	9.55	9.47	9.40
	48	5240	**10.60**	10.44	10.33	10.26	10.12	10.08	9.97	9.83
	52	5260	10.76	10.61	10.53	10.40	10.36	10.22	10.09	10.04
	56	5280	10.64	10.56	10.42	10.27	10.14	10.16	9.96	9.90
	60	5300	10.66	10.52	10.42	10.33	10.17	10.08	10.01	9.90
	64	5320	**10.79**	10.63	10.58	10.47	10.32	10.25	10.10	10.04
	100	5500	10.04	9.85	9.82	9.73	9.59	9.47	9.37	9.28
	104	5520	9.87	9.77	9.61	9.55	9.45	9.32	9.18	9.14
	108	5540	9.92	9.82	9.64	9.57	9.53	9.39	9.24	9.17
	112	5560	10.16	10.01	9.89	9.82	9.77	9.65	9.53	9.39
	116	5580	**10.33**	10.28	10.10	9.97	9.84	9.77	9.66	9.61
	132	5660	10.12	10.04	9.90	9.75	9.61	9.64	9.44	9.38
	136	5680	10.07	9.96	9.83	9.74	9.68	9.45	9.42	9.31
	140	5700	10.06	9.95	9.85	9.74	9.50	9.41	9.37	9.31
	149	5745	**9.94**	9.72	9.69	9.59	9.42	9.38	9.26	9.22
	157	5785	9.53	9.48	9.26	9.14	9.15	9.06	8.88	8.80
	165	5825	9.76	9.65	9.53	9.40	9.26	9.13	9.12	9.01

Mode	channel	Frequency	Power(dBm)							
			Data Rate(bps)							
			MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7
802.11n (20)	36	5180	9.81	9.62	9.59	9.50	9.35	9.26	9.14	9.09
	40	5200	10.00	9.87	9.74	9.68	9.57	9.48	9.31	9.25
	44	5220	10.24	10.14	9.96	9.89	9.82	9.67	9.56	9.42
	48	5240	10.40	10.21	10.13	10.06	9.96	9.87	9.77	9.65
	52	5260	9.92	9.85	9.69	9.56	9.48	9.37	9.25	9.24
	56	5280	9.75	9.68	9.53	9.38	9.29	9.23	9.07	9.01
	60	5300	9.91	9.76	9.67	9.58	9.44	9.32	9.26	9.15
	64	5320	10.41	10.23	10.20	10.09	9.94	9.84	9.72	9.67
	100	5500	9.49	9.37	9.27	9.18	9.03	8.94	8.82	8.70
	104	5520	9.32	9.14	9.06	9.00	8.89	8.80	8.63	8.52
	108	5540	9.67	9.57	9.39	9.32	9.25	9.10	8.99	8.93
	112	5560	9.81	9.62	9.54	9.47	9.37	9.28	9.18	9.05
	116	5580	10.22	10.11	9.99	9.86	9.78	9.67	9.55	9.56
	132	5660	10.16	10.07	9.94	9.79	9.70	9.64	9.48	9.45
	136	5680	10.08	9.95	9.84	9.75	9.61	9.49	9.43	9.34
	140	5700	9.99	9.88	9.78	9.67	9.52	9.42	9.30	9.22
	149	5745	9.92	9.77	9.67	9.57	9.46	9.34	9.24	9.28
	157	5785	9.47	9.30	9.20	9.08	9.07	8.95	8.82	8.75
	165	5825	9.61	9.44	9.38	9.25	9.12	9.04	8.97	8.84
			MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7
802.11n (40)	38	5190	8.33	8.18	8.10	8.02	7.82	7.78	7.66	7.53
	46	5230	8.72	8.59	8.45	8.40	8.25	8.20	8.03	7.95
	54	5270	9.14	9.04	8.84	8.79	8.78	8.57	8.46	8.34
	62	5310	8.52	8.40	8.27	8.18	8.04	7.99	7.89	7.77
	102	5510	8.61	8.52	8.31	8.25	8.11	8.06	7.94	7.81
	110	5550	8.47	8.37	8.22	8.10	8.06	7.95	7.79	7.78
	134	5670	9.52	9.36	9.28	9.19	9.02	8.93	8.87	8.75
	151	5755	9.13	9.00	8.93	8.81	8.63	8.56	8.44	8.36
	159	5795	7.84	7.69	7.56	7.49	7.37	7.26	7.16	7.12

Mode	channel	Frequency	Power(dBm)							
			Data Rate(bps)							
			MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7
802.11ac (20)	36	5180	8.21	8.04	7.99	7.90	7.78	7.66	7.51	7.45
	40	5200	8.32	8.10	8.06	8.00	7.82	7.80	7.65	7.59
	44	5220	8.27	8.18	7.99	7.92	7.85	7.70	7.58	7.52
	48	5240	8.86	8.72	8.59	8.52	8.44	8.33	8.24	8.09
	52	5260	8.94	8.85	8.71	8.58	8.51	8.39	8.22	8.22
	56	5280	9.12	9.06	8.90	8.75	8.65	8.60	8.46	8.38
	60	5300	9.21	9.05	8.97	8.88	8.70	8.62	8.59	8.45
	64	5320	9.36	9.25	9.15	9.04	8.82	8.79	8.68	8.61
	100	5500	8.57	8.47	8.35	8.26	8.13	8.02	7.95	7.81
	104	5520	8.45	8.34	8.19	8.13	8.06	7.93	7.74	7.72
	108	5540	8.86	8.71	8.58	8.51	8.49	8.29	8.17	8.11
	112	5560	9.02	8.95	8.75	8.68	8.55	8.49	8.32	8.25
	116	5580	9.31	9.22	9.08	8.95	8.84	8.76	8.65	8.59
	132	5660	9.72	9.68	9.50	9.35	9.27	9.20	9.04	8.98
	136	5680	9.54	9.33	9.30	9.21	9.01	8.95	8.88	8.78
	140	5700	9.68	9.56	9.47	9.36	9.25	9.11	8.96	8.93
	149	5745	9.07	8.99	8.82	8.72	8.64	8.49	8.32	8.35
	157	5785	8.61	8.45	8.34	8.22	8.27	8.09	7.93	7.88
	165	5825	8.68	8.58	8.45	8.32	8.19	8.11	8.02	7.93
			MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7
802.11ac (40)	38	5190	8.29	8.14	8.00	7.98	7.88	7.74	7.65	7.53
	46	5230	8.71	8.58	8.45	8.39	8.24	8.19	8.04	7.98
	54	5270	8.95	8.85	8.64	8.60	8.51	8.38	8.28	8.20
	62	5310	9.39	9.27	9.17	9.05	8.95	8.86	8.71	8.62
	102	5510	8.71	8.62	8.42	8.35	8.27	8.16	8.06	7.99
	110	5550	8.61	8.51	8.38	8.24	8.15	8.09	7.92	7.87
	134	5670	9.92	9.76	9.63	9.59	9.45	9.33	9.29	9.16
	151	5755	8.95	8.82	8.76	8.63	8.48	8.38	8.23	8.20
	159	5795	8.82	8.67	8.59	8.47	8.36	8.24	8.17	8.10
			MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7
802.11ac (80)	42	5210	7.96	7.83	7.74	7.62	7.50	7.41	7.27	7.20
	58	5290	8.79	8.66	8.53	8.44	8.36	8.27	8.15	8.06
	106	5530	8.72	8.68	8.44	8.35	8.30	8.15	8.08	7.97
	138	5690	9.82	9.75	9.55	9.47	9.38	9.29	9.12	9.05
	155	5775	9.37	9.24	9.14	9.01	8.93	8.82	8.79	8.65

13. TEST RESULTS

13.1. SAR Test Results Summary

13.1.1. Test position and configuration

Head SAR was performed with the device configured in the positions according to IEEE 1528-2013, Body-worn and 4 Edges SAR was performed with the device 10mm from the phantom.

13.1.2. Operation Mode

1. Per KDB 447498 D04 v01 ,for each exposure position, if the highest 1-g SAR is ≤ 0.8 W/kg, testing for low and high channel is optional.
2. Per KDB 865664 D01 v01r04,for each frequency band, if the measured SAR is ≥0.8W/kg, testing for repeated SAR measurement is required , that the highest measured SAR is only to be tested. When the SAR results are near the limit, the following procedures are required for each device to verify these types of SAR measurement related variation concerns by repeating the highest measured SAR configuration in each frequency band.
   (1) When the original highest measured SAR is ≥0.8W/kg, repeat that measurement once.
   (2) Perform a second repeated measurement only if the ratio of largest to smallest SAR for the original and first repeated measurements is >1.20 or when the original or repeated measurement is ≥1.45 W/kg.
   (3) Perform a third repeated measurement only if the original, first and second repeated measurement is ≥1.5 W/kg and ratio of largest to smallest SAR for the original, first and second measurement is ≥ 1.20.
3. Body-worn exposure conditions are intended to voice call operations, therefore GSM voice call mode is selected to be test.
4. Per KDB 648474 D04 v01r03,when the reported SAR for a body-worn accessory measured without a headset connected to the handset is ≤1.2W/kg, SAR testing with a headset connected is not required.
5. Per KDB 248227 D01v02r02,for 2.4GHz 802.11g/n SAR testing is not required when the highest reported SAR for DSSS is adjusted by the ratio of OFDM to DSSS specified maximum output power and the adjusted SAR is ≤1.2W/kg.
6. Per KDB 248227 D01 v02r02 Chapter 5.3.4, SAR measurement requirements for the remaining 802.11 transmission mode configurations that have not been tested in the initial test configuration are determined separately for each standalone and aggregated frequency band, in each exposure condition, according to the maximum output power specified for production units. The initial test position procedure is applied to next to the ear, UMPC mini-tablet and hotspot mode configurations. When the same maximum output power is specified for multiple transmission modes, the procedures in 5.3.2 are applied to determine the test configuration. Additional power measurements may be required to determine if SAR measurements are required for subsequent highest output power channels in a subsequent test configuration. The subsequent test configuration and SAR measurement procedures are described in the following.
   (1) When SAR test exclusion provisions of KDB Publication 447498 D01 are applicable and SAR measurement is not required for the initial test configuration, SAR is also not required for the next highest maximum output power transmission mode subsequent test configuration(s) in that frequency band or aggregated band and exposure configuration.
   (2) When the highest reported SAR for the initial test configuration (when applicable, include subsequent highest output channels), according to the initial test position or fixed exposure position requirements, is adjusted by the ratio of the subsequent test configuration to initial test configuration specified maximum output power and the adjusted SAR is ≤ 1.2 W/kg, SAR is not required for that subsequent test configuration.

7. Per KDB 941225 D06 V02r01, When the same wireless mode transmission configurations for voice and data are required for SAR measurements, the more conservative configuration with a smaller separation distance should be tested for the overlapping SAR configurations.
8. Maximum Scaling SAR in order to calculate the Maximum SAR values to test under the standard Peak Power, Calculation method is as follows:
   Maximum Scaling SAR =tested SAR (Max.) ×[maximum turn-up power (mw)/ maximum measurement output power(mw)]
9. Proximity sensor, just for avoiding the wrong operation in the phone screen when call, and has no influence on output power or SAR result
10. Per KDB 941225 D05v02r05, start with the largest channel bandwidth and measure SAR for QPSK with 1RB allocation using the RB offset and required test channel combination with highest maximum output power for RB offsets at the upper edge, middle and lower edge of each required test channel.
11. Per KDB 941125 D05v02r05, 50% RB allocation for QPSK SAR testing follows 1RB QPSK allocation procedure.
12. Per KDB 941125 D05v02r05. For QPSK with 100% RB allocation. SAR is not required when the highest maximum output power for 100% RB allocation is less than the highest maximum output power in 50% and 1RB allocation and the highest reported SAR is >1.45 W/kg, the remaining required test channels must also be tested.
13. Per KDB 941125 D05v02r05. 16QAM output power for each RB allocation configuration is not 1/2 dB higher than the same configuration in QPSK and the reported SAR for the QPSK configuration is ≤1.45W/kg, Per KDB 941225 D05v02r05, 16QAM SAR testing is not required.
14. Per KDB 941125 D05v02r05. Smaller bandwidth output power for each RB allocation configuration is >not 1/2 dB higher than the same configuration in the largest supported bandwidth, and the reported SAR for the largest supported bandwidth is ≤1.45W/kg. Per KDB 941125 D05v02r05, smaller bandwidth SAR testing is not required.

13.1.3. Test Result

SAR MEASUREMENT									
Depth of Liquid (cm):>15				Relative Humidity (%): 59.2					
Product: 4G Smart Phone									
Test Mode: GSM850 with GMSK modulation									
Position	**Mode**	**Ch.**	**Fr. (MHz)**	**Power Drift (<±5%)**	**SAR (1g) (W/kg)**	**Max. Tune-up Power (dBm)**	**Meas. output Power (dBm)**	**Scaled SAR (W/kg)**	**Limit (W/kg)**
SIM 1 Card									
Left Cheek	voice	190	836.6	-0.02	**0.255**	32.80	32.69	**0.262**	1.6
Left Tilt	voice	190	836.6	0.08	0.178	32.80	32.69	0.183	1.6
Right Cheek	voice	190	836.6	-0.06	0.234	32.80	32.69	0.240	1.6
Right Tilt	voice	190	836.6	-0.04	0.209	32.80	32.69	0.214	1.6
Body back	voice	190	836.6	0.02	0.393	32.80	32.69	0.403	1.6
Body front	voice	190	836.6	-0.07	0.295	32.80	32.69	0.303	1.6
Body back	GPRS-2 slot	190	836.6	0.09	**0.738**	30.70	30.44	**0.784**	1.6
Body front	GPRS-2 slot	190	836.6	-0.02	0.554	30.70	30.44	0.588	1.6
Edge 3(Bottom)	GPRS-2 slot	190	836.6	-0.01	0.473	30.70	30.44	0.502	1.6
Edge 4(Left)	GPRS-2 slot	190	836.6	0.04	0.328	30.70	30.44	0.348	1.6

Note:
· When the 1-g Reported SAR is ≤ 0.8 W/kg, testing for low and high channel is optional. Refer to KDB 447498.
·The test separation for body back, body front and 4 Edges is 10mm of all above table.

SAR MEASUREMENT									
Depth of Liquid (cm):>15				Relative Humidity (%): 59.9					
Product: 4G Smart Phone									
Test Mode: PCS1900 with GMSK modulation									
Position	**Mode**	**Ch.**	**Fr. (MHz)**	**Power Drift (<±5%)**	**SAR (1g) (W/kg)**	**Max. Tune-up Power (dBm)**	**Meas. output Power (dBm)**	**Scaled SAR (W/kg)**	**Limit (W/kg)**
SIM 1 Card									
Left Cheek	voice	661	1880.0	-0.14	**0.093**	29.50	29.16	**0.101**	1.6
Left Tilt	voice	661	1880.0	0.02	0.029	29.50	29.16	0.031	1.6
Right Cheek	voice	661	1880.0	-0.08	0.034	29.50	29.16	0.037	1.6
Right Tilt	voice	661	1880.0	0.16	0.022	29.50	29.16	0.024	1.6
Body back	voice	661	1880.0	-0.09	0.346	29.50	29.16	0.374	1.6
Body front	voice	661	1880.0	-0.03	0.248	29.50	29.16	0.268	1.6
Body back	GPRS-2 slot	661	1880	0.08	0.574	27.50	27.38	0.590	1.6
Body front	GPRS-2 slot	661	1880.0	-0.15	0.338	27.50	27.38	0.347	1.6
Edge 3(Bottom)	GPRS-2 slot	661	1880.0	0.07	**0.639**	27.50	27.38	**0.657**	1.6
Edge 4(Left)	GPRS-2 slot	661	1880.0	-0.13	0.137	27.50	27.38	0.141	1.6

Note:
· When the 1-g Reported SAR is ≤ 0.8 W/kg, testing for low and high channel is optional. Refer to KDB 447498.
·The test separation for body back, body front and 4 Edges is 10mm of all above table.

SAR MEASUREMENT									
Depth of Liquid (cm):>15				Relative Humidity (%): 59.9					
Product: 4G Smart Phone									
Test Mode: WCDMA Band II with QPSK modulation									
Position	**Mode**	**Ch.**	**Fr. (MHz)**	**Power Drift (<±5%)**	**SAR (1g) (W/kg)**	**Max. Tune-up Power (dBm)**	**Meas. output Power (dBm)**	**Scaled SAR (W/kg)**	**Limit (W/kg)**
Left Cheek	RMC 12.2kbps	9400	1880	0.11	**0.120**	22.80	22.74	**0.122**	1.6
Left Tilt	RMC 12.2kbps	9400	1880	-0.08	0.075	22.80	22.74	0.076	1.6
Right Cheek	RMC 12.2kbps	9400	1880	0.03	0.104	22.80	22.74	0.105	1.6
Right Tilt	RMC 12.2kbps	9400	1880	-0.09	0.063	22.80	22.74	0.064	1.6
Body back	RMC 12.2kbps	9262	1852.4	0.04	0.740	22.40	22.33	0.752	1.6
Body back	RMC 12.2kbps	9400	1880	-0.01	0.949	22.80	22.74	0.962	1.6
Body back	RMC 12.2kbps	9538	1907.6	0.08	1.137	23.10	23.04	1.153	1.6
Body front	RMC 12.2kbps	9400	1880	-0.05	0.730	22.80	22.74	0.740	1.6
Edge 3(Bottom)	RMC 12.2kbps	9262	1852.4	0.10	0.823	22.40	22.33	0.836	1.6
Edge 3(Bottom)	RMC 12.2kbps	9400	1880	-0.02	**1.167**	22.80	22.74	**1.183**	1.6
Edge 3(Bottom)	RMC 12.2kbps	9538	1907.6	-0.07	1.165	23.10	23.04	1.181	1.6
Edge 4(Left)	RMC 12.2kbps	9400	1880	0.13	0.238	22.80	22.74	0.241	1.6
Edge 3(Bottom)+Ear.	RMC 12.2kbps	9400	1880	0.05	0.223	22.80	22.74	0.226	1.6

Note:
· When the 1-g Reported SAR is ≤ 0.8 W/kg, testing for low and high channel is optional. Refer to KDB 447498.
·The test separation for body back, body front and 4 Edges is 10mm of all above table.

SAR MEASUREMENT									
Depth of Liquid (cm):>15				Relative Humidity (%): 54.2					
Product: 4G Smart Phone									
Test Mode: WCDMA Band IV with QPSK modulation									
Position	**Mode**	**Ch.**	**Fr. (MHz)**	**Power Drift (<±5%)**	**SAR (1g) (W/kg)**	**Max. Tune-up Power (dBm)**	**Meas. output Power (dBm)**	**Scaled SAR (W/kg)**	**Limit (W/kg)**
Left Cheek	RMC 12.2kbps	8662	1732.4	-0.05	**0.234**	22.70	22.40	**0.251**	1.6
Left Tilt	RMC 12.2kbps	8662	1732.4	-0.08	0.106	22.70	22.40	0.114	1.6
Right Cheek	RMC 12.2kbps	8662	1732.4	0.13	0.163	22.70	22.40	0.175	1.6
Right Tilt	RMC 12.2kbps	8662	1732.4	-0.05	0.081	22.70	22.40	0.087	1.6
Body back	RMC 12.2kbps	8662	1732.4	0.04	0.342	22.70	22.40	0.366	1.6
Body front	RMC 12.2kbps	8662	1732.4	-0.19	0.312	22.70	22.40	0.334	1.6
Edge 3(Bottom)	RMC 12.2kbps	8662	1732.4	0.02	**0.643**	22.70	22.40	**0.689**	1.6
Edge 4(Left)	RMC 12.2kbps	8662	1732.4	0.04	0.105	22.70	22.40	0.113	1.6

Note:
· When the 1-g Reported SAR is ≤ 0.8 W/kg, testing for low and high channel is optional. Refer to KDB 447498.
·The test separation for body back, body front and 4 Edges is 10mm of all above table.

SAR MEASUREMENT									
Depth of Liquid (cm):>15				Relative Humidity (%): 59.2					
Product: 4G Smart Phone									
Test Mode: WCDMA Band V with QPSK modulation									
Position	**Mode**	**Ch.**	**Fr. (MHz)**	**Power Drift (<±5%)**	**SAR (1g) (W/kg)**	**Max. Tune-up Power (dBm)**	**Meas. output Power (dBm)**	**Scaled SAR (W/kg)**	**Limit (W/kg)**
Left Cheek	RMC 12.2kbps	4183	836.4	-0.02	**0.227**	23.50	23.36	**0.234**	1.6
Left Tilt	RMC 12.2kbps	4183	836.4	-0.19	0.118	23.50	23.36	0.122	1.6
Right Cheek	RMC 12.2kbps	4183	836.4	0.15	0.219	23.50	23.36	0.226	1.6
Right Tilt	RMC 12.2kbps	4183	836.4	-0.03	0.160	23.50	23.36	0.165	1.6
Body back	RMC 12.2kbps	4183	836.4	0.17	**0.324**	23.50	23.36	**0.335**	1.6
Body front	RMC 12.2kbps	4183	836.4	-0.08	0.267	23.50	23.36	0.276	1.6
Edge 3(Bottom)	RMC 12.2kbps	4183	836.4	-0.10	0.230	23.50	23.36	0.238	1.6
Edge 4(Left)	RMC 12.2kbps	4183	836.4	0.04	0.134	23.50	23.36	0.138	1.6

Note:
· When the 1-g Reported SAR is ≤ 0.8 W/kg, testing for low and high channel is optional. Refer to KDB 447498.
·The test separation for body back, body front and 4 Edges is 10mm of all above table.

SAR MEASUREMENT												
Depth of Liquid (cm):>15					Relative Humidity (%): 53.2							
Product: 4G Smart Phone												
Test Mode: LTE Band 2												
BM MHz	MOD	Position	Test Mode		Ch.	Freq. (MHz)	Power Drift (<±5%)	SAR (1g) (W/kg)	Max. Tune up Power (dBm)	Meas. output Power (dBm)	Scaled SAR (W/kg)	Limit (W/kg)
			UL RB Allocation	UL RB START								
20	QPSK	Left Cheek	1	0	18900	1880	0.16	**0.282**	23.10	23.06	**0.285**	1.6
		Left Tilt	1	0	18900	1880	-0.02	0.083	23.10	23.06	0.084	1.6
		Right Cheek	1	0	18900	1880	0.17	0.189	23.10	23.06	0.191	1.6
		Right Tilt	1	0	18900	1880	-0.05	0.085	23.10	23.06	0.086	1.6
		Body back	1	0	18700	1860	0.11	0.878	22.40	22.40	0.878	1.6
		Body back	1	0	18900	1880	-0.04	1.055	23.10	23.06	1.065	1.6
		Body back	1	0	19100	1900	0.03	**1.080**	22.40	22.32	**1.100**	1.6
		Body front	1	0	18900	1880	-0.18	0.720	23.10	23.06	0.727	1.6
		Edge 3(Bottom)	1	0	18900	1880	-0.05	0.690	23.10	23.06	0.696	1.6
		Edge 4(Left)	1	0	18900	1880	0.17	0.246	23.10	23.06	0.248	1.6

Note:
· When the 1-g Reported SAR is ≤ 0.8 W/kg, testing for low and high channel is optional. Refer to KDB 447498.
·The test separation for body back, body front and 4 Edges is 10mm of all above table.

SAR MEASUREMENT												
Depth of Liquid (cm):>15					Relative Humidity (%): 54.2							
Product: 4G Smart Phone												
Test Mode: LTE Band 4												
BM MHz	**MOD**	**Position**	**Test Mode**		**Ch.**	**Freq. (MHz)**	**Power Drift (<±5%)**	**SAR (1g) (W/kg)**	**Max. Tuneup Power (dBm)**	**Meas. output Power (dBm)**	**Scaled SAR (W/kg)**	**Limit (W/kg)**
			UL RB Allocation	**UL RB START**								
20	**QPSK**	Left Cheek	1	0	20175	1732.5	-0.14	0.272	23.00	22.89	0.279	1.6
		Left Tilt	1	0	20175	1732.5	0.06	0.135	23.00	22.89	0.138	1.6
		Right Cheek	1	0	20175	1732.5	-0.12	**0.311**	23.00	22.89	**0.319**	1.6
		Right Tilt	1	0	20175	1732.5	0.09	0.119	23.00	22.89	0.122	1.6
		Body back	1	0	20175	1732.5	0.13	0.558	23.00	22.89	0.572	1.6
		Body front	1	0	20175	1732.5	-0.08	0.527	23.00	22.89	0.541	1.6
		Edge 3(Bottom)	1	0	20050	1720	0.15	0.788	23.00	22.71	**0.842**	1.6
		Edge 3(Bottom)	1	0	20175	1732.5	-0.17	0.804	23.00	22.89	0.825	1.6
		Edge 3(Bottom)	1	0	20300	1745	0.02	**0.831**	23.00	22.98	0.835	1.6
		Edge 4(Left)	1	0	20175	1732.5	-0.10	0.170	23.00	22.89	0.174	1.6

Note:
· When the 1-g Reported SAR is ≤ 0.8 W/kg, testing for low and high channel is optional. Refer to KDB 447498.
·The test separation for body back, body front and 4 Edges is 10mm of all above table.

SAR MEASUREMENT												
Depth of Liquid (cm):>15				Relative Humidity (%): 54.7								
Product: 4G Smart Phone												
Test Mode: LTE Band 5												
BM MHz	**MOD**	**Position**	**Test Mode**		**Ch.**	**Freq. (MHz)**	**Power Drift (<±5%)**	**SAR (1g) (W/kg)**	**Max. Tuneup Power (dBm)**	**Meas. output Power (dBm)**	**Scaled SAR (W/kg)**	**Limit (W/kg)**
			UL RB Allocation	**UL RB START**								
10	**QPSK**	Left Cheek	1	0	20525	836.5	0.07	**0.260**	23.90	23.09	**0.313**	1.6
		Left Tilt	1	0	20525	836.5	-0.05	0.143	23.90	23.09	0.172	1.6
		Right Cheek	1	0	20525	836.5	0.02	0.253	23.90	23.09	0.305	1.6
		Right Tilt	1	0	20525	836.5	-0.10	0.176	23.90	23.09	0.212	1.6
		Body back	1	0	20525	836.5	0.06	0.311	23.90	23.09	0.375	1.6
		Body front	1	0	20525	836.5	-0.04	**0.389**	23.90	23.09	**0.469**	1.6
		Edge 3(Bottom)	1	0	20525	836.5	0.09	0.312	23.90	23.09	0.376	1.6
		Edge 4(Left)	1	0	20525	836.5	0.05	0.149	23.90	23.09	0.180	1.6

Note:
· When the 1-g Reported SAR is ≤ 0.8 W/kg, testing for low and high channel is optional. Refer to KDB 447498.
·The test separation for body back, body front and 4 Edges is 10mm of all above table.

SAR MEASUREMENT												
Depth of Liquid (cm):>15					Relative Humidity (%): 56.2							
Product: 4G Smart Phone												
Test Mode: LTE Band 12												
BM MHz	MOD	Position	Test Mode		Ch.	Freq. (MHz)	Power Drift (<±5%)	SAR (1g) (W/kg)	Max. Tuneup Power (dBm)	Meas. output Power (dBm)	Scaled SAR (W/kg)	Limit (W/kg)
			UL RB Allocation	UL RB START								
10	QPSK	Left Cheek	1	0	23095	707.5	-0.10	**0.232**	23.90	23.58	**0.250**	1.6
		Left Tilt	1	0	23095	707.5	0.13	0.168	23.90	23.58	0.181	1.6
		Right Cheek	1	0	23095	707.5	0.08	0.186	23.90	23.58	0.200	1.6
		Right Tilt	1	0	23095	707.5	-0.15	0.143	23.90	23.58	0.154	1.6
		Body back	1	0	23095	707.5	-0.06	**0.322**	23.90	23.58	**0.347**	1.6
		Body front	1	0	23095	707.5	0.19	0.285	23.90	23.58	0.307	1.6
		Edge 3(Bottom)	1	0	23095	707.5	-0.12	0.164	23.90	23.58	0.177	1.6
		Edge 4(Left)	1	0	23095	707.5	0.07	0.249	23.90	23.58	0.268	1.6

Note:
· When the 1-g Reported SAR is ≤ 0.8 W/kg, testing for low and high channel is optional. Refer to KDB 447498.
·The test separation for body back, body front and 4 Edges is 10mm of all above table.

SAR MEASUREMENT											
Depth of Liquid (cm):>15				Relative Humidity (%): 56.2							
Product: 4G Smart Phone											
Test Mode: LTE Band 13											
BM MHz	MOD	Position	Test Mode		Ch.	Freq. (MHz)	Power Drift (<±5%)	SAR (1g) (W/kg)	Max. Tuneup Power (dBm)	Meas. output Power (dBm)	Scaled SAR (W/kg)	Limit (W/kg)
			UL RB Allocation	UL RB START								
10	QPSK	Left Cheek	1	0	23230	782	0.02	**0.144**	23.90	22.88	**0.182**	1.6
		Left Tilt	1	0	23230	782	0.06	0.073	23.90	22.88	0.092	1.6
		Right Cheek	1	0	23230	782	-0.05	0.125	23.90	22.88	0.158	1.6
		Right Tilt	1	0	23230	782	0.09	0.097	23.90	22.88	0.123	1.6
		Body back	1	0	23230	782	-0.02	**0.176**	23.90	22.88	**0.223**	1.6
		Body front	1	0	23230	782	0.04	0.124	23.90	22.88	0.157	1.6
		Edge 3(Bottom)	1	0	23230	782	-0.08	0.115	23.90	22.88	0.145	1.6
		Edge 4(Left)	1	0	23230	782	0.01	0.094	23.90	22.88	0.119	1.6

Note:
· When the 1-g Reported SAR is ≤ 0.8 W/kg, testing for low and high channel is optional. Refer to KDB 447498.
·The test separation for body back, body front and 4 Edges is 10mm of all above table.

SAR MEASUREMENT												
Depth of Liquid (cm):>15					Relative Humidity (%): 56.2							
Product: 4G Smart Phone												
Test Mode: LTE Band 17												
BM MHz	MOD	Position	Test Mode		Ch.	Freq. (MHz)	Power Drift (<±5%)	SAR (1g) (W/kg)	Max. Tuneup Power (dBm)	Meas. output Power (dBm)	Scaled SAR (W/kg)	Limit (W/kg)
			UL RB Allocation	UL RB START								
10	QPSK	Left Cheek	1	0	23790	710	0.13	**0.216**	24.00	23.80	**0.226**	1.6
		Left Tilt	1	0	23790	710	0.08	0.101	24.00	23.80	0.106	1.6
		Right Cheek	1	0	23790	710	0.02	0.214	24.00	23.80	0.224	1.6
		Right Tilt	1	0	23790	710	-0.04	0.172	24.00	23.80	0.180	1.6
		Body back	1	0	23790	710	0.09	**0.351**	24.00	23.80	**0.368**	1.6
		Body front	1	0	23790	710	-0.05	0.269	24.00	23.80	0.282	1.6
		Edge 3(Bottom)	1	0	23790	710	0.07	0.161	24.00	23.80	0.169	1.6
		Edge 4(Left)	1	0	23790	710	-0.14	0.243	24.00	23.80	0.254	1.6

Note:
· When the 1-g Reported SAR is ≤ 0.8 W/kg, testing for low and high channel is optional. Refer to KDB 447498.
·The test separation for body back, body front and 4 Edges is 10mm of all above table.

SAR MEASUREMENT											
Depth of Liquid (cm):>15				Relative Humidity (%): 54.7							
Product: 4G Smart Phone											
Test Mode: LTE Band 18											
BM MHz	MOD	Position	Test Mode		Ch.	Freq. (MHz)	Power Drift (<±5%)	SAR (1g) (W/kg)	Max. Tuneup Power (dBm)	Meas. output Power (dBm)	Scaled SAR (W/kg)	Limit (W/kg)
			UL RB Allocation	UL RB START								
15	QPSK	Left Cheek	1	0	23925	822.5	-0.10	**0.288**	24.10	23.90	**0.302**	1.6
		Left Tilt	1	0	23925	822.5	0.08	0.158	24.10	23.90	0.165	1.6
		Right Cheek	1	0	23925	822.5	-0.12	0.271	24.10	23.90	0.284	1.6
		Right Tilt	1	0	23925	822.5	0.06	0.118	24.10	23.90	0.124	1.6
		Body back	1	0	23925	822.5	-0.19	0.195	24.10	23.90	0.204	1.6
		Body front	1	0	23925	822.5	0.07	**0.305**	24.10	23.90	**0.319**	1.6
		Edge 3(Bottom)	1	0	23925	822.5	-0.15	0.237	24.10	23.90	0.248	1.6
		Edge 4(Left)	1	0	23925	822.5	0.03	0.096	24.10	23.90	0.101	1.6

Note:
· When the 1-g Reported SAR is ≤ 0.8 W/kg, testing for low and high channel is optional. Refer to KDB 447498.
·The test separation for body back, body front and 4 Edges is 10mm of all above table.

SAR MEASUREMENT											
Depth of Liquid (cm):>15				Relative Humidity (%): 54.7							
Product: 4G Smart Phone											
Test Mode: LTE Band 19											
BM MHz	MOD	Position	Test Mode		Ch.	Freq. (MHz)	Power Drift (<±5%)	SAR (1g) (W/kg)	Max. Tuneup Power (dBm)	Meas. output Power (dBm)	Scaled SAR (W/kg)	Limit (W/kg)
			UL RB Allocation	UL RB START								
15	QPSK	Left Cheek	1	0	24075	837.5	0.20	**0.331**	23.40	23.33	**0.336**	1.6
		Left Tilt	1	0	24075	837.5	-0.18	0.206	23.40	23.33	0.209	1.6
		Right Cheek	1	0	24075	837.5	0.06	0.321	23.40	23.33	0.326	1.6
		Right Tilt	1	0	24075	837.5	-0.04	0.157	23.40	23.33	0.160	1.6
		Body back	1	0	24075	837.5	0.15	0.291	23.40	23.33	0.296	1.6
		Body front	1	0	24075	837.5	-0.07	0.306	23.40	23.33	0.311	1.6
		Edge 3(Bottom)	1	0	24075	837.5	-0.13	**0.324**	23.40	23.33	**0.329**	1.6
		Edge 4(Left)	1	0	24075	837.5	0.09	0.150	23.40	23.33	0.152	1.6

Note:
· When the 1-g Reported SAR is ≤ 0.8 W/kg, testing for low and high channel is optional. Refer to KDB 447498.
·The test separation for body back, body front and 4 Edges is 10mm of all above table.

SAR MEASUREMENT												
Depth of Liquid (cm):>15				Relative Humidity (%): 53.2								
Product: 4G Smart Phone												
Test Mode: LTE Band 25												
BM MHz	**MOD**	**Position**	**Test Mode**		**Ch.**	**Freq. (MHz)**	**Power Drift (<±5%)**	**SAR (1g) (W/kg)**	**Max. Tuneup Power (dBm)**	**Meas. output Power (dBm)**	**Scaled SAR (W/kg)**	**Limit (W/kg)**
			UL RB Allocation	**UL RB START**								
20	**QPSK**	Left Cheek	1	0	26365	1882.5	-0.14	**0.211**	23.20	23.12	**0.215**	1.6
		Left Tilt	1	0	26365	1882.5	0.02	0.075	23.20	23.12	0.076	1.6
		Right Cheek	1	0	26365	1882.5	-0.18	0.170	23.20	23.12	0.173	1.6
		Right Tilt	1	0	26365	1882.5	0.03	0.082	23.20	23.12	0.084	1.6
		Body back	1	0	26140	1860	-0.10	0.680	22.50	22.46	0.686	1.6
		Body back	1	0	26365	1882.5	0.09	0.907	23.20	23.12	0.924	1.6
		Body back	1	0	26590	1905	-0.16	0.965	22.50	22.47	0.972	1.6
		Body front	*1*	*0*	26140	1860	0.08	0.536	22.50	22.46	0.541	1.6
		Body front	*1*	*0*	26365	1882.5	-0.01	0.789	23.20	23.12	0.804	1.6
		Body front	*1*	*0*	26590	1905	0.07	0.603	22.50	22.47	0.607	1.6
		Edge 3(Bottom)	1	0	26140	1860	-0.14	1.156	22.50	22.46	1.167	1.6
		Edge 3(Bottom)	1	0	26365	1882.5	0.18	**1.259**	23.20	23.12	**1.282**	1.6
		Edge 3(Bottom)	1	0	26590	1905	-0.12	1.227	22.50	22.47	1.236	1.6
		Edge 4(Left)	1	0	26365	1882.5	-0.04	0.254	23.20	23.12	0.259	1.6
		Edge 3(Bottom) +Ear.	1	0	26365	1882.5	0.07	0.332	23.20	23.12	0.338	1.6

Note:
· When the 1-g Reported SAR is ≤ 0.8 W/kg, testing for low and high channel is optional. Refer to KDB 447498.
·The test separation for body back, body front and 4 Edges is 10mm of all above table.

SAR MEASUREMENT											
Depth of Liquid (cm):>15				Relative Humidity (%): 54.7							
Product: 4G Smart Phone											
Test Mode: LTE Band 26A											
BM MHz	MOD	Position	Test Mode		Ch.	Freq. (MHz)	Power Drift (<±5%)	SAR (1g) (W/kg)	Max. Tuneup Power (dBm)	Meas. output Power (dBm)	Scaled SAR (W/Kg)	Limit (W/kg)
			UL RB Allocation	UL RB START								
15	QPSK	Left Cheek	1	0	26915	836.5	0.18	**0.152**	23.30	23.00	**0.163**	1.6
		Left Tilt	1	0	26915	836.5	-0.05	0.085	23.30	23.00	0.091	1.6
		Right Cheek	1	0	26915	836.5	0.12	0.130	23.30	23.00	0.139	1.6
		Right Tilt	1	0	26915	836.5	-0.06	0.091	23.30	23.00	0.098	1.6
		Body back	1	0	26915	836.5	0.11	0.572	23.30	23.00	0.613	1.6
		Body front	1	0	26915	836.5	-0.09	0.507	23.30	23.00	0.543	1.6
		Edge 3(Bottom)	1	0	26865	831.5	-0.12	0.761	23.30	23.24	0.772	1.6
		Edge 3(Bottom)	1	0	26915	836.5	0.15	**0.816**	23.30	23.00	**0.874**	1.6
		Edge 3(Bottom)	1	0	26965	841.5	0.07	0.767	23.30	23.13	0.798	1.6
		Edge 4(Left)	1	0	26915	836.5	-0.03	0.196	23.30	23.00	0.210	1.6

Note:
· When the 1-g Reported SAR is ≤ 0.8 W/kg, testing for low and high channel is optional. Refer to KDB 447498.
·The test separation for body back, body front and 4 Edges is 10mm of all above table.

SAR MEASUREMENT											
Depth of Liquid (cm):>15				Relative Humidity (%): 54.8							
Product: 4G Smart Phone											
Test Mode: LTE Band 38											
BW MHz	MOD	Position	Test Mode		Ch.	Freq. (MHz)	Power Drift (<±5%)	SAR (1g) (W/kg)	Max. Tuneup Power (dBm)	Meas. output Power (dBm)	Scaled SAR (W/kg)	Limit (W/kg)
			UL RB Allocation	UL RB START								
20	QPSK	Left Cheek	1	0	38000	2595	-0.05	**0.146**	23.00	22.92	**0.149**	1.6
		Left Tilt	1	0	38000	2595	0.01	0.062	23.00	22.92	0.063	1.6
		Right Cheek	1	0	38000	2595	-0.08	0.085	23.00	22.92	0.087	1.6
		Right Tilt	1	0	38000	2595	0.06	0.089	23.00	22.92	0.091	1.6
		Body back	1	0	38000	2595	0.09	**0.593**	23.00	22.92	**0.604**	1.6
		Body front	1	0	38000	2595	-0.03	0.209	23.00	22.92	0.213	1.6
		Edge 3(Bottom)	1	0	38000	2595	-0.07	0.368	23.00	22.92	0.375	1.6
		Edge 4(Left)	1	0	38000	2595	0.04	0.263	23.00	22.92	0.268	1.6

Note:
· When the 1-g Reported SAR is ≤ 0.8 W/kg, testing for low and high channel is optional. Refer to KDB 447498.
·The test separation for body back, body front and 4 Edges is 10mm of all above table

SAR MEASUREMENT											
Depth of Liquid (cm):>15				Relative Humidity (%): 54.3							
Product: 4G Smart Phone											
Test Mode: LTE Band 40-Lower Side											
BW MHz	MOD	Position	Test Mode		Ch.	Freq. (MHz)	Power Drift (<±5%)	SAR (1g) (W/kg)	Max. Tuneup Power (dBm)	Meas. output Power (dBm)	Scaled SAR (W/kg)	Limit (W/kg)
			UL RB Allocation	UL RB START								
10	QPSK	Left Cheek	1	0	38750	2310	-0.09	**0.112**	24.20	23.72	**0.125**	1.6
		Left Tilt	1	0	38750	2310	0.02	0.051	24.20	23.72	0.057	1.6
		Right Cheek	1	0	38750	2310	0.08	0.076	24.20	23.72	0.085	1.6
		Right Tilt	1	0	38750	2310	0.10	0.066	24.20	23.72	0.074	1.6
		Body back	1	0	38750	2310	0.13	**1.051**	24.20	23.72	**1.174**	1.6
		Body front	1	0	38750	2310	0.11	1.040	24.20	23.72	1.162	1.6
		Edge 3(Bottom)	1	0	38750	2310	-0.05	0.582	24.20	23.72	0.650	1.6
		Edge 4(Left)	1	0	38750	2310	0.02	0.211	24.20	23.72	0.236	1.6

Note:
· When the 1-g Reported SAR is ≤ 0.8 W/kg, testing for low and high channel is optional. Refer to KDB 447498.
·The test separation for body back, body front and 4 Edges is 10mm of all above table

SAR MEASUREMENT											
Depth of Liquid (cm):>15			Relative Humidity (%):54.3								
Product: 4G Smart Phone											
Test Mode: LTE Band 40- Upper Side											
BW MHz	MOD	Position	Test Mode		Ch.	Freq. (MHz)	Power Drift (<±5%)	SAR (1g) (W/kg)	Max. Tuneup Power (dBm)	Meas. output Power (dBm)	Scaled SAR (W/kg)	Limit (W/kg)
			UL RB Allocation	UL RB START								
10	QPSK	Left Cheek	1	0	39200	2355	0.15	**0.112**	20.50	20.46	**0.113**	1.6
		Left Tilt	1	0	39200	2355	-0.12	0.048	20.50	20.46	0.048	1.6
		Right Cheek	1	0	39200	2355	0.06	0.072	20.50	20.46	0.073	1.6
		Right Tilt	1	0	39200	2355	-0.29	0.058	20.50	20.46	0.059	1.6
		Body back	1	0	39200	2355	0.17	**0.730**	20.50	20.46	**0.737**	1.6
		Body front	1	0	39200	2355	-0.08	0.102	20.50	20.46	0.103	1.6
		Edge 3(Bottom)	1	0	39200	2355	-0.22	0.550	20.50	20.46	0.555	1.6
		Edge 4(Left)	1	0	38000	2595	0.17	0.155	20.50	20.46	0.156	1.6

Note:
· When the 1-g Reported SAR is ≤ 0.8 W/kg, testing for low and high channel is optional. Refer to KDB 447498.
·The test separation for body back, body front and 4 Edges is 10mm of all above table

SAR MEASUREMENT												
Depth of Liquid (cm):>15					Relative Humidity (%): 54.8							
Product: 4G Smart Phone												
Test Mode: LTE Band 41												
BW MHz	MOD	Position	Test Mode		Ch.	Freq. (MHz)	Power Drift (<±5%)	SAR (1g) (W/kg)	Max. Tuneup Power (dBm)	Meas. output Power (dBm)	Scaled SAR (W/kg)	Limit (W/kg)
			UL RB Allocation	UL RB START								
20	QPSK	Left Cheek	1	0	40620	2593	0.07	**0.163**	21.60	21.58	**0.164**	1.6
		Left Tilt	1	0	40620	2593	-0.02	0.068	21.60	21.58	0.068	1.6
		Right Cheek	1	0	40620	2593	-0.05	0.092	21.60	21.58	0.092	1.6
		Right Tilt	1	0	40620	2593	0.03	0.099	21.60	21.58	0.099	1.6
		Body back	1	0	40620	2593	-0.09	**0.558**	21.60	21.58	**0.561**	1.6
		Body front	1	0	40620	2593	0.04	0.233	21.60	21.58	0.234	1.6
		Edge 3(Bottom)	1	0	40620	2593	-0.01	0.297	21.60	21.58	0.298	1.6
		Edge 4(Left)	1	0	40620	2593	0.08	0.273	21.60	21.58	0.274	1.6

Note:
· When the 1-g Reported SAR is ≤ 0.8 W/kg, testing for low and high channel is optional. Refer to KDB 447498.
·The test separation for body back, body front and 4 Edges is 10mm of all above table

SAR MEASUREMENT												
Depth of Liquid (cm):>15				Relative Humidity (%): 54.2								
Product: 4G Smart Phone												
Test Mode: LTE Band 66												
BW MHz	**MOD**	**Position**	**Test Mode**		**Ch.**	**Freq. (MHz)**	**Power Drift (<±5%)**	**SAR (1g) (W/kg)**	**Max. Tuneup Power (dBm)**	**Meas. output Power (dBm)**	**Scaled SAR (W/Kg)**	**Limit (W/kg)**
			UL RB Allocation	**UL RB START**								
20	**QPSK**	Left Cheek	1	0	132322	1745	0.03	**0.152**	22.80	22.72	**0.155**	1.6
		Left Tilt	1	0	132322	1745	-0.05	0.085	22.80	22.72	0.087	1.6
		Right Cheek	1	0	132322	1745	0.09	0.130	22.80	22.72	0.132	1.6
		Right Tilt	1	0	132322	1745	-0.02	0.091	22.80	22.72	0.093	1.6
		Body back	1	0	132322	1745	0.08	0.572	22.80	22.72	0.583	1.6
		Body front	1	0	132322	1745	-0.04	0.507	22.80	22.72	0.516	1.6
		Edge 3(Bottom)	1	0	132072	1720	0.03	0.761	22.80	22.44	0.827	1.6
		Edge 3(Bottom)	1	0	132322	1745	-0.01	**0.816**	22.80	22.72	**0.831**	1.6
		Edge 3(Bottom)	1	0	132572	1770	0.07	0.767	22.80	22.66	0.792	1.6
		Edge 4(Left)	1	0	132322	1745	-0.05	0.196	22.80	22.72	0.200	1.6

Note:
· When the 1-g Reported SAR is ≤ 0.8 W/kg, testing for low and high channel is optional. Refer to KDB 447498.
·The test separation for body back, body front and 4 Edges is 10mm of all above table

SAR Test Exclusion Consideration

According to KDB 447498 D04 Appendix B, Standalone SAR test exclusion is as follow:
This method shall only be used at separation distances from 0.5 cm to 40 cm and at frequencies from 0.3 GHz to 6 GHz (inclusive). P_{th} is given by Formula

$$ERP_{20\,\mathrm{cm}}\,(\mathrm{mW}) = \begin{cases} 2040f & 0.3\ \mathrm{GHz} \le f < 1.5\ \mathrm{GHz} \\ 3060 & 1.5\ \mathrm{GHz} \le f \le 6\ \mathrm{GHz} \end{cases} \quad (\mathrm{B.1})$$

$$P_{\mathrm{th}}\,(\mathrm{mW}) = \begin{cases} ERP_{20\,\mathrm{cm}}(d/20\ \mathrm{cm})^{x} & d \le 20\ \mathrm{cm} \\ ERP_{20\,\mathrm{cm}} & 20\ \mathrm{cm} < d \le 40\ \mathrm{cm} \end{cases} \quad (\mathrm{B.2})$$

where

$$x = -\log_{10}\left(\frac{60}{ERP_{20\,\mathrm{cm}}\sqrt{f}}\right)$$

For instance, a given antenna may qualify for a SAR-based exemption according to Section B.4, with $P_{ant} < P_{th}$, where P_{ant} is maximum time-averaged power or effective radiated power (ERP), whichever is greater, and P_{th} is defined in Formula (B.2).

Technology	f(GHz)	d(cm)	ERP_{20CM} (mW)	√f(GHz)	x	P_{th}(mW)	Max P_{ant} including Tune-up Tolerance		SAR required
							dBm	mW	
2.4GHz WIFI	2.412	0.5	3060	1.553	1.899	2.779	15.360	34.360	Yes
5.2GHz WIFI	5.240	0.5	3060	2.289	2.067	1.492	10.60	11.48	Yes
5.3GHz WIFI	5.320	0.5	3060	2.307	2.071	1.474	10.79	11.99	Yes
5.5GHz WIFI	5.580	0.5	3060	2.362	2.081	1.419	10.33	10.79	Yes
5.8GHz WIFI	5.745	0.5	3060	2.397	2.087	1.386	9.94	9.86	Yes
BT(BR&EDR)	2.480	0.5	3060	1.575	1.905	2.717	7.588	5.740	Yes
BT(BLE)	2.440	0.5	3060	1.562	1.901	2.753	-4.285	0.370	No

Conclusion

There is need to test standalone WIFI SAR, BT(BR&EDR) SAR and need to evaluate simultaneous transmission

SAR MEASUREMENT									
Depth of Liquid (cm):>15			Relative Humidity (%): 57.2						
Product: 4G Smart Phone									
Test Mode: 2.4GHz 802.11b									
Position	**Mode**	**Ch.**	**Fr. (MHz)**	**Power Drift (<±5%)**	**SAR (1g) (W/kg)**	**Max. Tune-up Power (dBm)**	**Meas. output Power (dBm)**	**Scaled SAR (W/kg)**	**Limit (W/kg)**
Left Cheek	DTS	6	2437	0.03	**0.340**	15.40	15.10	**0.364**	1.6
Left Tilt	DTS	6	2437	-0.02	0.270	15.40	15.10	0.289	1.6
Right Cheek	DTS	6	2437	0.08	0.196	15.40	15.10	0.210	1.6
Right Tilt	DTS	6	2437	-0.06	0.212	15.40	15.10	0.227	1.6
Body back	DTS	6	2437	0.04	0.139	15.40	15.10	0.149	1.6
Body front	DTS	6	2437	-0.05	0.120	15.40	15.10	0.129	1.6
Edge 1 (Top)	DTS	6	2437	0.09	**0.158**	15.40	15.10	**0.169**	1.6
Edge 2(Right)	DTS	6	2437	0.01	0.101	15.40	15.10	0.108	1.6

Note:
· According to KDB248227, SAR is not required for 802.11n HT20/HT40 channels when the maximum average output power is less than 1/4 dB higher than that measured on the corresponding 802.11a/b channels.
· All of above “DTS” means data transmitters.
·The test separation for body back, body front and 4 Edges is 10mm of all above table.

SAR MEASUREMENT								
Depth of Liquid (cm):>15					Relative Humidity (%): 57.1			
Product: 4G Smart Phone								
Test Mode: 5.2GHz WIFI-802.11a								
Position	**Ch.**	**Fr. (MHz)**	**Power Drift (<±5%)**	**SAR (1g) (W/kg)**	**Max. Tune-up Power (dBm)**	**Meas. output Power (dBm)**	**Scaled SAR (W/kg)**	**Limit (W/kg)**
Left Cheek	44	5220	0.14	0.100	10.20	10.15	0.101	1.6
Left Tilt	44	5220	0.03	0.111	10.20	10.15	0.112	1.6
Right Cheek	44	5220	-0.18	0.163	10.20	10.15	0.165	1.6
Right Tilt	44	5220	0.02	**0.171**	10.20	10.15	**0.173**	1.6
Body back	44	5220	-0.09	**0.107**	10.20	10.15	**0.108**	1.6
Body front	44	5220	0.11	0.038	10.20	10.15	0.038	1.6
Edge 1 (Top)	44	5220	-0.15	0.071	10.20	10.15	0.072	1.6
Edge 2(Right)	44	5220	-0.07	0.092	10.20	10.15	0.093	1.6

Note:
· When the 1-g Reported SAR is ≤ 0.8 W/kg, testing for low and high channel is optional. Refer to KDB 447498.
·The test separation for body back, body front and 4 Edges is 10mm of all above table

SAR MEASUREMENT								
Depth of Liquid (cm):>15				Relative Humidity (%): 57.2				
Product: 4G Smart Phone								
Test Mode:5.3GHz WIFI-802.11a								
Position	**Ch.**	**Fr. (MHz)**	**Power Drift (<±5%)**	**SAR (1g) (W/kg)**	**Max. Tune-up Power (dBm)**	**Meas. output Power (dBm)**	**Scaled SAR (W/kg)**	**Limit (W/kg)**
Left Cheek	56	5280	-0.01	0.044	10.80	10.64	0.046	1.6
Left Tilt	56	5280	-0.17	0.059	10.80	10.64	0.061	1.6
Right Cheek	56	5280	0.03	**0.116**	10.80	10.64	**0.120**	1.6
Right Tilt	56	5280	0.15	0.098	10.80	10.64	0.102	1.6
Body back	56	5280	-0.19	0.079	10.80	10.64	0.082	1.6
Body front	56	5280	0.02	0.037	10.80	10.64	0.038	1.6
Edge 1 (Top)	56	5280	-0.04	0.051	10.80	10.64	0.053	1.6
Edge 2(Right)	56	5280	0.16	**0.115**	10.80	10.64	**0.119**	1.6

Note:
1. When the 1-g Reported SAR is ≤ 0.8 W/kg, testing for low and high channel is optional. Refer to KDB447498.
2. The test separation for body back, body front and 4 Edges is 10mm of all above table.

SAR MEASUREMENT								
Depth of Liquid (cm):>15				Relative Humidity (%): 54.4				
Product: 4G Smart Phone								
Test Mode:5.5GHz WIFI-802.11a								
Position	**Ch.**	**Fr. (MHz)**	**Power Drift (<±5%)**	**SAR (1g) (W/kg)**	**Max. Tune-up Power (dBm)**	**Meas. output Power (dBm)**	**Scaled SAR (W/kg)**	**Limit (W/kg)**
Left Cheek	116	5580	0.12	0.109	10.40	10.33	0.111	1.6
Left Tilt	116	5580	-0.04	0.078	10.40	10.33	0.079	1.6
Right Cheek	116	5580	0.09	0.121	10.40	10.33	0.123	1.6
Right Tilt	116	5580	-0.13	**0.126**	10.40	10.33	**0.128**	1.6
Body back	116	5580	-0.08	0.121	10.40	10.33	0.123	1.6
Body front	116	5580	0.05	0.062	10.40	10.33	0.063	1.6
Edge 1 (Top)	116	5580	-0.11	0.069	10.40	10.33	0.070	1.6
Edge 2(Right)	116	5580	0.06	**0.125**	10.40	10.33	**0.127**	1.6

Note:
1. When the 1-g Reported SAR is ≤ 0.8 W/kg, testing for low and high channel is optional. Refer to KDB447498.
2. The test separation for body back, body front and 4 Edges is 10mm of all above table.

SAR MEASUREMENT								
Depth of Liquid (cm):>15				Relative Humidity (%): 59.4				
Product: 4G Smart Phone								
Test Mode: 5.8GHz WIFI-802.11a								
Position	**Ch.**	**Fr. (MHz)**	**Power Drift (<±5%)**	**SAR (1g) (W/kg)**	**Max. Tune-up Power (dBm)**	**Meas. output Power (dBm)**	**Scaled SAR (W/kg)**	**Limit (W/kg)**
Left Cheek	157	5785	-0.14	**0.124**	10.00	9.53	**0.138**	1.6
Left Tilt	157	5785	-0.08	0.081	10.00	9.53	0.090	1.6
Right Cheek	157	5785	0.02	0.074	10.00	9.53	0.082	1.6
Right Tilt	157	5785	-0.03	0.094	10.00	9.53	0.105	1.6
Body back	157	5785	0.09	0.065	10.00	9.53	0.072	1.6
Body front	157	5785	0.05	0.030	10.00	9.53	0.033	1.6
Edge 1 (Top)	157	5785	-0.06	0.062	10.00	9.53	0.069	1.6
Edge 2(Right)	157	5785	-0.10	**0.098**	10.00	9.53	**0.109**	1.6

Note:
· When the 1-g Reported SAR is ≤ 0.8 W/kg, testing for low and high channel is optional. Refer to KDB 447498.
·The test separation for body back, body front and 4 Edges is 10mm of all above table

SAR MEASUREMENT									
Depth of Liquid (cm):>15				Relative Humidity (%): 57.2					
Product: 4G Smart Phone									
Test Mode: Bluetooth(BR/EDR)									
Position	**Mode**	**Ch.**	**Fr. (MHz)**	**Power Drift (<±5%)**	**SAR (1g) (W/kg)**	**Max. Tune-up Power (dBm)**	**Meas. output Power (dBm)**	**Scaled SAR (W/kg)**	**Limit W/kg**
Left Cheek	1DH5	39	2441	0.04	**0.056**	7.600	7.108	**0.063**	1.6
Left Tilt	1DH5	39	2441	-0.02	0.053	7.600	7.108	0.059	1.6
Right Cheek	1DH5	39	2441	0.08	0.027	7.600	7.108	0.030	1.6
Right Tilt	1DH5	39	2441	-0.06	0.027	7.600	7.108	0.030	1.6
Body back	1DH5	39	2441	0.09	**0.006**	7.600	7.108	**0.007**	1.6
Body front	1DH5	39	2441	-0.03	0.005	7.600	7.108	0.006	1.6
Edge 1 (Top)	1DH5	39	2441	0.01	0.005	7.600	7.108	0.006	1.6
Edge 2(Right)	1DH5	39	2441	0.08	0.003	7.600	7.108	0.003	1.6

Note:
· When the 1-g Reported SAR is ≤ 0.8 W/kg, testing for low and high channel is optional. Refer to KDB 447498.
·The test separation for body back, body front and 4 Edges is 10mm of all above table

Repeated SAR										
Product: 4G Smart Phone										
Test Mode: WCDMA Band II& LTE Band 2& LTE Band 4& LTE Band 25& LTE Band 26A& LTE Band 40-Lower Side & LTE Band 66										
Position	**Mode**	**Ch.**	**Fr. (MHz)**	**Power Drift (<±5%)**	**Once SAR (1g) (W/kg)**	**Power Drift (<±5%)**	**Twice SAR (1g) (W/kg)**	**Power Drift (<±5%)**	**Third SAR (1g) (W/kg)**	**Limit W/kg**
Edge 3(Bottom)	RMC 12.2kbps	9400	1880	0.02	**1.109**	--	--	--	--	1.6

Position	**Mode**		**Ch.**	**Fr. (MHz)**	**Power Drift (<±5%)**	**Once SAR (1g) (W/kg)**	**Power Drift (<±5%)**	**Twice SAR (1g) (W/kg)**	**Power Drift (<±5%)**	**Third SAR (1g) (W/kg)**	**Limit W/kg**
	UL RB Allocation	**UL RB START**									
Body back	1	0	19100	1900	-0.09	**0.992**	--	--	--	--	1.6
Edge 3(Bottom)	1	0	20300	1745	0.14	**0.825**	--	--	--	--	1.6
Edge 3(Bottom)	1	0	26365	1882.5	--0.01	**1.279**	--	--	--	--	1.6
Edge 3(Bottom)	1	0	26915	836.5	0.18	**0.768**	--	--	--	--	1.6
Body back	1	0	38750	2310	0.05	**1.040**	--	--	--	--	1.6
Edge 3(Bottom)	1	0	132422	1755	-0.10	**0.767**	--	--	--	--	1.6

The second repeated SAR judge reference								
Product: 4G Smart Phone								
Band	**Position**	**Mode**	**Ch.**	**Fr. (MHz)**	**Orignal SAR (1g) (W/kg)**	**First SAR (1g) (W/kg)**	**Ratio**	**Limit**
WCDMA Band II	Edge 3(Bottom)	RMC 12.2kbps	9400	1880	1.167	1.109	1.052	＜1.2

Band	**Position**	**Mode**		**Ch.**	**Fr. (MHz)**	**Orignal SAR (1g) (W/kg)**	**First SAR (1g) (W/kg)**	**Ratio**	**Limit**
		UL RB Allocation	**UL RB START**						
LTE Band 2	Body back	1	0	19100	1900	1.080	0.992	1.089	＜1.2
LTE Band 4	Edge 3(Bottom)	1	0	20300	1745	0.831	0.825	1.007	＜1.2
LTE Band 25	Edge 3(Bottom)	1	0	26365	1882.5	1.259	1.279	0.984	＜1.2
LTE Band 26A	Edge 3(Bottom)	1	0	26915	836.5	0.816	0.768	1.063	＜1.2
LTE Band 40-Lower Side	Body back	1	0	38750	2310	1.051	1.040	1.011	＜1.2
LTE Band 66	Edge 3(Bottom)	1	0	132422	1755	0.816	0.767	1.064	＜1.2

Simultaneous Multi-band Transmission Evaluation:

Application Simultaneous Transmission information:

NO	Simultaneous state	Portable Handset		
		Head	Body-worn	Hotspot
1	GSM(voice)+ WLAN 2.4GHz& 5GHz (data)	Yes	Yes	-
2	GSM(voice)+ Bluetooth(data)	Yes	Yes	-
3	GSM (Data) + WLAN 2.4GHz& 5GHz (data)	-	Yes	Yes
4	GSM (Data) + Bluetooth(data)	-	Yes	Yes
5	WCDMA+ WLAN 2.4GHz& 5GHz (data)	Yes	Yes	Yes
6	WCDMA+ Bluetooth(data)	Yes	Yes	Yes
7	LTE + WLAN 2.4GHz & 5GHz (data)	Yes	Yes	Yes
8	LTE + Bluetooth(data)	Yes	Yes	Yes

NOTE:

1. WIFI and BT share the same antenna, and cannot transmit simultaneously.
2. Simultaneous with every transmitter must be the same test position.
3. KDB 447498 D04, for handsets the test separation distance is determined by the smallest distance between the outer surface of the device and the user; which is 0mm for head SAR and 10mm for body-worn SAR.
4. When the sum of SAR is larger than the limit, SAR test exclusion is determined by the SAR to peak location separation ratio. The simultaneous transmitting antennas in each operating mode and exposure condition combination must be considered one pair at a time to determine the SAR to peak location separation ratio to qualify for test exclusion. The ratio is determined by (SAR1 + SAR2)1.5/Ri, rounded to two decimal digits, and must be ≤ 0.04 for all antenna pairs in the configuration to qualify for 1-g SAR test exclusion.

5. According to KDB 447498 D04 Appendix E, When the standalone 1g SAR test exclusion is applied, the standalone 1g SAR must be estimated according to the following equation, with Pant < Pth, where Pant is maximum time-averaged power or effective radiated power (ERP), whichever is greater, and Pth is defined in Formula (B.2). According to Section B.4 with $P_{ant} < P_{th}$.
   Then, per the preceding paragraph, the estimated SAR is computed as SARest =1.6 × P_{ant} / P_{th} [W/kg].

   For BT(BLE)head :Estimated 1g SAR = SAR_{lim} ×[(P_{ant} (mW) / P_{th}(mW)]= 1.6*(0.370/2.753) = 0.215 W/kg
   For BT(BLE) body:Estimated 1g SAR = SAR_{lim} ×[(P_{ant} (mW) / P_{th}(mW)]= 1.6*(0.370/10.283) = 0.057 W/kg

	Highest Reported 1g-SAR(W/kg)-WWAN	Estimated 1g BT(BLE) SAR (W/kg)	Simultaneous SAR BT(BLE)+WWAN
Head	0.336	0.215	0.551
Body	1.282	0.057	1.339

Sum of the SAR for GSM 850 &2.4GHz Wi-Fi & BT:

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		GSM 850	2.4GHz WI-Fi DTS Band	Bluetooth(BR&EDR)		
Head (voice)	Left Touch	0.262	0.364		0.626	No
	Left Tilt	0.183	0.289		0.472	No
	Right Touch	0.240	0.210		0.450	No
	Right Tilt	0.214	0.227		0.441	No
Head (voice)	Left Touch	0.262		0.063	0.325	No
	Left Tilt	0.183		0.059	0.242	No
	Right Touch	0.240		0.030	0.270	No
	Right Tilt	0.214		0.030	0.244	No
Body-worn (voice)	Rear	0.403	0.149		0.552	No
		0.403		0.007	0.410	No
	Front	0.303	0.129		0.432	No
		0.303		0.006	0.309	No
Body-worn (Data)	Rear	0.784		0.007	0.791	No
		0.784	0.149		0.933	No
	Front	0.588		0.006	0.594	No
		0.588	0.129		0.717	No

Note:

·According to KDB 447498 D01 General RF Exposure Guidance, when the simultaneous transmission SAR is less than1.6 W/kg, SPLSR assessment is not required.

·SPLSR mean is “The SAR to Peak Location Separation Ratio “

Sum of the SAR for GSM 1900 &2.4GHz Wi-Fi & BT:

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		PCS 1900	2.4GHz Wi-Fi DTS Band	Bluetooth(BR&EDR)		
Head (voice)	Left Touch	0.101	0.364		0.465	No
	Left Tilt	0.031	0.289		0.320	No
	Right Touch	0.037	0.210		0.247	No
	Right Tilt	0.024	0.227		0.251	No
Head (voice)	Left Touch	0.101		0.063	0.164	No
	Left Tilt	0.031		0.059	0.090	No
	Right Touch	0.037		0.030	0.067	No
	Right Tilt	0.024		0.030	0.054	No
Body-worn (voice)	Rear	0.374	0.149		0.523	No
		0.374		0.007	0.381	No
	Front	0.268	0.129		0.397	No
		0.268		0.006	0.274	No
Body-worn (Data)	Rear	0.590		0.007	0.597	No
		0.590	0.149		0.739	No
	Front	0.347		0.006	0.353	No
		0.347	0.129		0.476	No

Note:

·According to KDB 447498 D01 General RF Exposure Guidance, when the simultaneous transmission SAR is less than1.6 W/kg, SPLSR assessment is not required.
·SPLSR mean is “The SAR to Peak Location Separation Ratio “

Sum of the SAR for WCDMA Band II &2.4GHz Wi-Fi & BT:

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		WCDMA Band II	2.4GHz Wi-Fi DTS Band	Bluetooth(BR&EDR)		
Head	Left Touch	0.122	0.364		0.486	No
	Left Tilt	0.076	0.289		0.365	No
	Right Touch	0.105	0.210		0.315	No
	Right Tilt	0.064	0.227		0.291	No
Head	Left Touch	0.122		0.063	0.185	No
	Left Tilt	0.076		0.059	0.135	No
	Right Touch	0.105		0.030	0.135	No
	Right Tilt	0.064		0.030	0.094	No
Body-worn	Rear	1.153	0.149		1.302	No
	Front	0.740	0.129		0.869	No
	Rear	1.153		0.007	1.160	No
	Front	0.740		0.006	0.746	No

Note:

·According to KDB 447498 D01 General RF Exposure Guidance, when the simultaneous transmission SAR is less than1.6 W/kg, SPLSR assessment is not required.
·SPLSR mean is “The SAR to Peak Location Separation Ratio “

Sum of the SAR for WCDMA Band IV &2.4GHz Wi-Fi & BT:

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		WCDMA Band IV	2.4GHz Wi-Fi DTS Band	Bluetooth(BR&EDR)		
Head	Left Touch	0.251	0.364		0.615	No
	Left Tilt	0.114	0.289		0.403	No
	Right Touch	0.175	0.210		0.385	No
	Right Tilt	0.087	0.227		0.314	No
Head	Left Touch	0.251		0.063	0.314	No
	Left Tilt	0.114		0.059	0.173	No
	Right Touch	0.175		0.030	0.205	No
	Right Tilt	0.087		0.030	0.117	No
Body-worn	Rear	0.366	0.149		0.515	No
	Front	0.334	0.129		0.463	No
	Rear	0.366		0.007	0.373	No
	Front	0.334		0.006	0.340	No

Note:

·According to KDB 447498 D01 General RF Exposure Guidance, when the simultaneous transmission SAR is less than1.6 W/kg, SPLSR assessment is not required.
·SPLSR mean is “The SAR to Peak Location Separation Ratio “

Sum of the SAR for WCDMA Band V &2.4GHz Wi-Fi & BT:

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		WCDMA Band V	2.4GHz Wi-Fi DTS Band	Bluetooth(BR&EDR)		
Head	Left Touch	0.234	0.364		0.598	No
	Left Tilt	0.122	0.289		0.411	No
	Right Touch	0.226	0.210		0.436	No
	Right Tilt	0.165	0.227		0.392	No
Head	Left Touch	0.234		0.063	0.297	No
	Left Tilt	0.122		0.059	0.181	No
	Right Touch	0.226		0.030	0.256	No
	Right Tilt	0.165		0.030	0.195	No
Body-worn	Rear	0.335	0.149		0.484	No
	Front	0.276	0.129		0.405	No
	Rear	0.335		0.007	0.342	No
	Front	0.276		0.006	0.282	No

Note:

·According to KDB 447498 D01 General RF Exposure Guidance, when the simultaneous transmission SAR is less than1.6 W/kg, SPLSR assessment is not required.
·SPLSR mean is “The SAR to Peak Location Separation Ratio “

Sum of the SAR for LTE Band 2 &2.4GHz Wi-Fi & BT:

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 2	2.4GHz Wi-Fi DTS Band	Bluetooth(BR&EDR)		
Head	Left Touch	0.285	0.364		0.649	No
	Left Tilt	0.084	0.289		0.373	No
	Right Touch	0.191	0.210		0.401	No
	Right Tilt	0.086	0.227		0.313	No
Head	Left Touch	0.285		0.063	0.348	No
	Left Tilt	0.084		0.059	0.143	No
	Right Touch	0.191		0.030	0.221	No
	Right Tilt	0.086		0.030	0.116	No
Body-worn	Rear	1.100	0.149		1.249	No
	Front	0.727	0.129		0.856	No
	Rear	1.100		0.007	1.107	No
	Front	0.727		0.006	0.733	No

Note:

·According to KDB 447498 D01 General RF Exposure Guidance, when the simultaneous transmission SAR is less than1.6 W/kg, SPLSR assessment is not required.
·SPLSR mean is “The SAR to Peak Location Separation Ratio “

Sum of the SAR for LTE Band 4 &2.4GHz Wi-Fi & BT:

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 4	2.4GHz Wi-Fi DTS Band	Bluetooth(BR&EDR)		
Head	Left Touch	0.279	0.364		0.643	No
	Left Tilt	0.138	0.289		0.427	No
	Right Touch	0.319	0.210		0.529	No
	Right Tilt	0.122	0.227		0.349	No
Head	Left Touch	0.279		0.063	0.342	No
	Left Tilt	0.138		0.059	0.197	No
	Right Touch	0.319		0.030	0.349	No
	Right Tilt	0.122		0.030	0.152	No
Body-worn	Rear	0.572	0.149		0.721	No
	Front	0.541	0.129		0.670	No
	Rear	0.572		0.007	0.579	No
	Front	0.541		0.006	0.547	No

Note:

·According to KDB 447498 D01 General RF Exposure Guidance, when the simultaneous transmission SAR is less than1.6 W/kg, SPLSR assessment is not required.
·SPLSR mean is “The SAR to Peak Location Separation Ratio “

Sum of the SAR for LTE Band 5 &2.4GHz Wi-Fi & BT:

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 5	2.4GHz Wi-Fi DTS Band	Bluetooth(BR&EDR)		
Head	Left Touch	0.313	0.364		0.677	No
	Left Tilt	0.172	0.289		0.461	No
	Right Touch	0.305	0.210		0.515	No
	Right Tilt	0.212	0.227		0.439	No
Head	Left Touch	0.313		0.063	0.376	No
	Left Tilt	0.172		0.059	0.231	No
	Right Touch	0.305		0.030	0.335	No
	Right Tilt	0.212		0.030	0.242	No
Body-worn	Rear	0.375	0.149		0.524	No
	Front	0.469	0.129		0.598	No
	Rear	0.375		0.007	0.382	No
	Front	0.469		0.006	0.475	No

Note:

·According to KDB 447498 D01 General RF Exposure Guidance, when the simultaneous transmission SAR is less than1.6 W/kg, SPLSR assessment is not required.
·SPLSR mean is “The SAR to Peak Location Separation Ratio “

Sum of the SAR for LTE Band 12 &2.4GHz Wi-Fi & BT:

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 12	2.4GHz Wi-Fi DTS Band	Bluetooth(BR&EDR)		
Head	Left Touch	0.250	0.364		0.614	No
	Left Tilt	0.181	0.289		0.470	No
	Right Touch	0.200	0.210		0.410	No
	Right Tilt	0.154	0.227		0.381	No
Head	Left Touch	0.250		0.063	0.313	No
	Left Tilt	0.181		0.059	0.240	No
	Right Touch	0.200		0.030	0.230	No
	Right Tilt	0.154		0.030	0.184	No
Body-worn	Rear	0.347	0.149		0.496	No
	Front	0.307	0.129		0.436	No
	Rear	0.347		0.007	0.354	No
	Front	0.307		0.006	0.313	No

Note:

·According to KDB 447498 D01 General RF Exposure Guidance, when the simultaneous transmission SAR is less than1.6 W/kg, SPLSR assessment is not required.
·SPLSR mean is “The SAR to Peak Location Separation Ratio “

Sum of the SAR for LTE Band 13 &2.4GHz Wi-Fi & BT:

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 13	2.4GHz Wi-Fi DTS Band	Bluetooth(BR&EDR)		
Head	Left Touch	0.182	0.364		0.546	No
	Left Tilt	0.092	0.289		0.381	No
	Right Touch	0.158	0.210		0.368	No
	Right Tilt	0.123	0.227		0.350	No
Head	Left Touch	0.182		0.063	0.245	No
	Left Tilt	0.092		0.059	0.151	No
	Right Touch	0.158		0.030	0.188	No
	Right Tilt	0.123		0.030	0.153	No
Body-worn	Rear	0.223	0.149		0.372	No
	Front	0.157	0.129		0.286	No
	Rear	0.223		0.007	0.230	No
	Front	0.157		0.006	0.163	No

Note:

·According to KDB 447498 D01 General RF Exposure Guidance, when the simultaneous transmission SAR is less than1.6 W/kg, SPLSR assessment is not required.
·SPLSR mean is “The SAR to Peak Location Separation Ratio “

Sum of the SAR for LTE Band 17 &2.4GHz Wi-Fi & BT:

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 17	2.4GHz Wi-Fi DTS Band	Bluetooth(BR&EDR)		
Head	Left Touch	0.226	0.364		0.590	No
	Left Tilt	0.106	0.289		0.395	No
	Right Touch	0.224	0.210		0.434	No
	Right Tilt	0.180	0.227		0.407	No
Head	Left Touch	0.226		0.063	0.289	No
	Left Tilt	0.106		0.059	0.165	No
	Right Touch	0.224		0.030	0.254	No
	Right Tilt	0.180		0.030	0.210	No
Body-worn	Rear	0.368	0.149		0.517	No
	Front	0.282	0.129		0.411	No
	Rear	0.368		0.007	0.375	No
	Front	0.282		0.006	0.288	No

Note:

·According to KDB 447498 D01 General RF Exposure Guidance, when the simultaneous transmission SAR is less than1.6 W/kg, SPLSR assessment is not required.
·SPLSR mean is “The SAR to Peak Location Separation Ratio “

Sum of the SAR for LTE Band 18 &2.4GHz Wi-Fi & BT:

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 18	2.4GHz Wi-Fi DTS Band	Bluetooth(BR&EDR)		
Head	Left Touch	0.302	0.364		0.666	No
	Left Tilt	0.165	0.289		0.454	No
	Right Touch	0.284	0.210		0.494	No
	Right Tilt	0.124	0.227		0.351	No
Head	Left Touch	0.302		0.063	0.365	No
	Left Tilt	0.165		0.059	0.224	No
	Right Touch	0.284		0.030	0.314	No
	Right Tilt	0.124		0.030	0.154	No
Body-worn	Rear	0.204	0.149		0.353	No
	Front	0.319	0.129		0.448	No
	Rear	0.204		0.007	0.211	No
	Front	0.319		0.006	0.325	No

Note:

·According to KDB 447498 D01 General RF Exposure Guidance, when the simultaneous transmission SAR is less than1.6 W/kg, SPLSR assessment is not required.
·SPLSR mean is “The SAR to Peak Location Separation Ratio “

Sum of the SAR for LTE Band 19 &2.4GHz Wi-Fi & BT:

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 19	2.4GHz Wi-Fi DTS Band	Bluetooth(BR&EDR)		
Head	Left Touch	0.336	0.364		0.700	No
	Left Tilt	0.209	0.289		0.498	No
	Right Touch	0.326	0.210		0.536	No
	Right Tilt	0.160	0.227		0.387	No
Head	Left Touch	0.336		0.063	0.399	No
	Left Tilt	0.209		0.059	0.268	No
	Right Touch	0.326		0.030	0.356	No
	Right Tilt	0.160		0.030	0.190	No
Body-worn	Rear	0.296	0.149		0.445	No
	Front	0.311	0.129		0.440	No
	Rear	0.296		0.007	0.303	No
	Front	0.311		0.006	0.317	No

Note:

·According to KDB 447498 D01 General RF Exposure Guidance, when the simultaneous transmission SAR is less than1.6 W/kg, SPLSR assessment is not required.
·SPLSR mean is “The SAR to Peak Location Separation Ratio “

Sum of the SAR for LTE Band 25 &2.4GHz Wi-Fi & BT:

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 25	2.4GHz Wi-Fi DTS Band	Bluetooth(BR&EDR)		
Head	Left Touch	0.215	0.364		0.579	No
	Left Tilt	0.076	0.289		0.365	No
	Right Touch	0.173	0.210		0.383	No
	Right Tilt	0.084	0.227		0.311	No
Head	Left Touch	0.215		0.063	0.278	No
	Left Tilt	0.076		0.059	0.135	No
	Right Touch	0.173		0.030	0.203	No
	Right Tilt	0.084		0.030	0.114	No
Body-worn	Rear	0.972	0.149		1.121	No
	Front	0.804	0.129		0.933	No
	Rear	0.972		0.007	0.979	No
	Front	0.804		0.006	0.810	No

Note:

·According to KDB 447498 D01 General RF Exposure Guidance, when the simultaneous transmission SAR is less than1.6 W/kg, SPLSR assessment is not required.
·SPLSR mean is “The SAR to Peak Location Separation Ratio “

Sum of the SAR for LTE Band 26A &2.4GHz Wi-Fi & BT:

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 26	2.4GHz Wi-Fi DTS Band	Bluetooth(BR&EDR)		
Head	Left Touch	0.163	0.364		0.527	No
	Left Tilt	0.091	0.289		0.380	No
	Right Touch	0.139	0.210		0.349	No
	Right Tilt	0.098	0.227		0.325	No
Head	Left Touch	0.163		0.063	0.226	No
	Left Tilt	0.091		0.059	0.150	No
	Right Touch	0.139		0.030	0.169	No
	Right Tilt	0.098		0.030	0.128	No
Body-worn	Rear	0.613	0.149		0.762	No
	Front	0.543	0.129		0.672	No
	Rear	0.613		0.007	0.620	No
	Front	0.543		0.006	0.549	No

Note:

·According to KDB 447498 D01 General RF Exposure Guidance, when the simultaneous transmission SAR is less than1.6 W/kg, SPLSR assessment is not required.
·SPLSR mean is “The SAR to Peak Location Separation Ratio “

Sum of the SAR for LTE Band 38 &2.4GHz Wi-Fi & BT:

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 38	2.4GHz Wi-Fi DTS Band	Bluetooth(BR&EDR)		
Head	Left Touch	0.149	0.364		0.513	No
	Left Tilt	0.063	0.289		0.352	No
	Right Touch	0.087	0.210		0.297	No
	Right Tilt	0.091	0.227		0.318	No
Head	Left Touch	0.149		0.063	0.212	No
	Left Tilt	0.063		0.059	0.122	No
	Right Touch	0.087		0.030	0.117	No
	Right Tilt	0.091		0.030	0.121	No
Body-worn	Rear	0.604	0.149		0.753	No
	Front	0.213	0.129		0.342	No
	Rear	0.604		0.007	0.611	No
	Front	0.213		0.006	0.219	No

Note:

·According to KDB 447498 D01 General RF Exposure Guidance, when the simultaneous transmission SAR is less than1.6 W/kg, SPLSR assessment is not required.
·SPLSR mean is “The SAR to Peak Location Separation Ratio “

Sum of the SAR for LTE Band 40-Lower Side &2.4GHz Wi-Fi & BT:

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 40- Lower Side	2.4GHz Wi-Fi DTS Band	Bluetooth(BR&EDR)		
Head	Left Touch	0.125	0.364		0.489	No
	Left Tilt	0.057	0.289		0.346	No
	Right Touch	0.085	0.210		0.295	No
	Right Tilt	0.074	0.227		0.301	No
Head	Left Touch	0.125		0.063	0.188	No
	Left Tilt	0.057		0.059	0.116	No
	Right Touch	0.085		0.030	0.115	No
	Right Tilt	0.074		0.030	0.104	No
Body-worn	Rear	1.174	0.149		**1.323**	No
	Front	1.162	0.129		1.291	No
	Rear	1.174		0.007	1.181	No
	Front	1.162		0.006	1.168	No

Note:

·According to KDB 447498 D01 General RF Exposure Guidance, when the simultaneous transmission SAR is less than1.6 W/kg, SPLSR assessment is not required.
·SPLSR mean is “The SAR to Peak Location Separation Ratio “

Sum of the SAR for LTE Band 40-Upper Side &2.4GHz Wi-Fi & BT:

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 40-Upper Side	2.4GHz Wi-Fi DTS Band	Bluetooth(BR&EDR)		
Head	Left Touch	0.113	0.364		0.477	No
	Left Tilt	0.048	0.289		0.337	No
	Right Touch	0.073	0.210		0.283	No
	Right Tilt	0.059	0.227		0.286	No
Head	Left Touch	0.113		0.063	0.176	No
	Left Tilt	0.048		0.059	0.107	No
	Right Touch	0.073		0.030	0.103	No
	Right Tilt	0.059		0.030	0.089	No
Body-worn	Rear	0.737	0.149		0.886	No
	Front	0.103	0.129		0.232	No
	Rear	0.737		0.007	0.744	No
	Front	0.103		0.006	0.109	No

Note:

·According to KDB 447498 D01 General RF Exposure Guidance, when the simultaneous transmission SAR is less than1.6 W/kg, SPLSR assessment is not required.
·SPLSR mean is “The SAR to Peak Location Separation Ratio “

Sum of the SAR for LTE Band 41 &2.4GHz Wi-Fi & BT:

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 41	2.4GHz Wi-Fi DTS Band	Bluetooth(BR&EDR)		
Head	Left Touch	0.164	0.364		0.528	No
	Left Tilt	0.068	0.289		0.357	No
	Right Touch	0.092	0.210		0.302	No
	Right Tilt	0.099	0.227		0.326	No
Head	Left Touch	0.164		0.063	0.227	No
	Left Tilt	0.068		0.059	0.127	No
	Right Touch	0.092		0.030	0.122	No
	Right Tilt	0.099		0.030	0.129	No
Body-worn	Rear	0.561	0.149		0.710	No
	Front	0.234	0.129		0.363	No
	Rear	0.561		0.007	0.568	No
	Front	0.234		0.006	0.240	No

Note:

·According to KDB 447498 D01 General RF Exposure Guidance, when the simultaneous transmission SAR is less than1.6 W/kg, SPLSR assessment is not required.
·SPLSR mean is “The SAR to Peak Location Separation Ratio “

Sum of the SAR for LTE Band 66 & 2.4GHz Wi-Fi & BT:

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 66	2.4GHz Wi-Fi DTS Band	Bluetooth(BR&EDR)		
Head	Left Touch	0.155	0.364		0.519	No
	Left Tilt	0.087	0.289		0.376	No
	Right Touch	0.132	0.210		0.342	No
	Right Tilt	0.093	0.227		0.320	No
Head	Left Touch	0.155		0.063	0.218	No
	Left Tilt	0.087		0.059	0.146	No
	Right Touch	0.132		0.030	0.162	No
	Right Tilt	0.093		0.030	0.123	No
Body-worn	Rear	0.583	0.149		0.732	No
	Front	0.516	0.129		0.645	No
	Rear	0.583		0.007	0.590	No
	Front	0.516		0.006	0.522	No

Note:

·According to KDB 447498 D01 General RF Exposure Guidance, when the simultaneous transmission SAR is less than1.6 W/kg, SPLSR assessment is not required.
·SPLSR mean is “The SAR to Peak Location Separation Ratio “

Sum of the SAR for GSM 850 &5.2GHz Wi-Fi & BT:

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		GSM 850	5.2GHz WI-Fi DTS Band	Bluetooth(BR&EDR)		
Head (voice)	Left Touch	0.262	0.101		0.363	No
	Left Tilt	0.183	0.112		0.295	No
	Right Touch	0.240	0.165		0.405	No
	Right Tilt	0.214	0.173		0.387	No
Head (voice)	Left Touch	0.262		0.063	0.325	No
	Left Tilt	0.183		0.059	0.242	No
	Right Touch	0.240		0.030	0.270	No
	Right Tilt	0.214		0.030	0.244	No
Body-worn (voice)	Rear	0.403	0.108		0.511	No
		0.403		0.007	0.410	No
	Front	0.303	0.038		0.341	No
		0.303		0.006	0.309	No
Body-worn (Data)	Rear	0.784		0.007	0.791	No
		0.784	0.108		0.892	No
	Front	0.588		0.006	0.594	No
		0.588	0.038		0.626	No

Note:

·According to KDB 447498 D01 General RF Exposure Guidance, when the simultaneous transmission SAR is less than1.6 W/kg, SPLSR assessment is not required.

·SPLSR mean is “The SAR to Peak Location Separation Ratio “

Sum of the SAR for GSM 1900 &5.2GHz Wi-Fi & BT:

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		PCS 1900	5.2GHz Wi-Fi DTS Band	Bluetooth(BR&EDR)		
Head (voice)	Left Touch	0.101	0.101		0.202	No
	Left Tilt	0.031	0.112		0.143	No
	Right Touch	0.037	0.165		0.202	No
	Right Tilt	0.024	0.173		0.197	No
Head (voice)	Left Touch	0.101		0.063	0.164	No
	Left Tilt	0.031		0.059	0.090	No
	Right Touch	0.037		0.030	0.067	No
	Right Tilt	0.024		0.030	0.054	No
Body-worn (voice)	Rear	0.374	0.108		0.482	No
		0.374		0.007	0.381	No
	Front	0.268	0.038		0.306	No
		0.268		0.006	0.274	No
Body-worn (Data)	Rear	0.590		0.007	0.597	No
		0.590	0.108		0.698	No
	Front	0.347		0.006	0.353	No
		0.347	0.038		0.385	No

Note:

·According to KDB 447498 D01 General RF Exposure Guidance, when the simultaneous transmission SAR is less than1.6 W/kg, SPLSR assessment is not required.
·SPLSR mean is “The SAR to Peak Location Separation Ratio “

Sum of the SAR for WCDMA Band II &5.2GHz Wi-Fi & BT:

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		WCDMA Band II	5.2GHz Wi-Fi DTS Band	Bluetooth(BR&EDR)		
Head	Left Touch	0.122	0.101		0.223	No
	Left Tilt	0.076	0.112		0.188	No
	Right Touch	0.105	0.165		0.270	No
	Right Tilt	0.064	0.173		0.237	No
Head	Left Touch	0.122		0.063	0.185	No
	Left Tilt	0.076		0.059	0.135	No
	Right Touch	0.105		0.030	0.135	No
	Right Tilt	0.064		0.030	0.094	No
Body-worn	Rear	1.153	0.108		1.261	No
	Front	0.740	0.038		0.778	No
	Rear	1.153		0.007	1.160	No
	Front	0.740		0.006	0.746	No

Note:

·According to KDB 447498 D01 General RF Exposure Guidance, when the simultaneous transmission SAR is less than1.6 W/kg, SPLSR assessment is not required.
·SPLSR mean is “The SAR to Peak Location Separation Ratio “

Sum of the SAR for WCDMA Band IV &5.2GHz Wi-Fi & BT:

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		WCDMA Band IV	5.2GHz Wi-Fi DTS Band	Bluetooth(BR&EDR)		
Head	Left Touch	0.251	0.101		0.352	No
	Left Tilt	0.114	0.112		0.226	No
	Right Touch	0.175	0.165		0.340	No
	Right Tilt	0.087	0.173		0.260	No
Head	Left Touch	0.251		0.063	0.314	No
	Left Tilt	0.114		0.059	0.173	No
	Right Touch	0.175		0.030	0.205	No
	Right Tilt	0.087		0.030	0.117	No
Body-worn	Rear	0.366	0.108		0.474	No
	Front	0.334	0.038		0.372	No
	Rear	0.366		0.007	0.373	No
	Front	0.334		0.006	0.340	No

Note:

·According to KDB 447498 D01 General RF Exposure Guidance, when the simultaneous transmission SAR is less than1.6 W/kg, SPLSR assessment is not required.
·SPLSR mean is “The SAR to Peak Location Separation Ratio “

Sum of the SAR for WCDMA Band V &5.2GHz Wi-Fi & BT:

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		WCDMA Band V	5.2GHz Wi-Fi DTS Band	Bluetooth(BR&EDR)		
Head	Left Touch	0.234	0.101		0.335	No
	Left Tilt	0.122	0.112		0.234	No
	Right Touch	0.226	0.165		0.391	No
	Right Tilt	0.165	0.173		0.338	No
Head	Left Touch	0.234		0.063	0.297	No
	Left Tilt	0.122		0.059	0.181	No
	Right Touch	0.226		0.030	0.256	No
	Right Tilt	0.165		0.030	0.195	No
Body-worn	Rear	0.335	0.108		0.443	No
	Front	0.276	0.038		0.314	No
	Rear	0.335		0.007	0.342	No
	Front	0.276		0.006	0.282	No

Note:

·According to KDB 447498 D01 General RF Exposure Guidance, when the simultaneous transmission SAR is less than1.6 W/kg, SPLSR assessment is not required.
·SPLSR mean is “The SAR to Peak Location Separation Ratio “

Sum of the SAR for LTE Band 2 &5.2GHz Wi-Fi & BT:

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 2	5.2GHz Wi-Fi DTS Band	Bluetooth(BR&EDR)		
Head	Left Touch	0.285	0.101		0.386	No
	Left Tilt	0.084	0.112		0.196	No
	Right Touch	0.191	0.165		0.356	No
	Right Tilt	0.086	0.173		0.259	No
Head	Left Touch	0.285		0.063	0.348	No
	Left Tilt	0.084		0.059	0.143	No
	Right Touch	0.191		0.030	0.221	No
	Right Tilt	0.086		0.030	0.116	No
Body-worn	Rear	1.100	0.108		1.208	No
	Front	0.727	0.038		0.765	No
	Rear	1.100		0.007	1.107	No
	Front	0.727		0.006	0.733	No

Note:

·According to KDB 447498 D01 General RF Exposure Guidance, when the simultaneous transmission SAR is less than1.6 W/kg, SPLSR assessment is not required.
·SPLSR mean is “The SAR to Peak Location Separation Ratio “

Sum of the SAR for LTE Band 4 &5.2GHz Wi-Fi & BT:

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 4	5.2GHz Wi-Fi DTS Band	Bluetooth(BR&EDR)		
Head	Left Touch	0.279	0.101		0.380	No
	Left Tilt	0.138	0.112		0.250	No
	Right Touch	0.319	0.165		0.484	No
	Right Tilt	0.122	0.173		0.295	No
Head	Left Touch	0.279		0.063	0.342	No
	Left Tilt	0.138		0.059	0.197	No
	Right Touch	0.319		0.030	0.349	No
	Right Tilt	0.122		0.030	0.152	No
Body-worn	Rear	0.572	0.108		0.680	No
	Front	0.541	0.038		0.579	No
	Rear	0.572		0.007	0.579	No
	Front	0.541		0.006	0.547	No

Note:

·According to KDB 447498 D01 General RF Exposure Guidance, when the simultaneous transmission SAR is less than1.6 W/kg, SPLSR assessment is not required.
·SPLSR mean is “The SAR to Peak Location Separation Ratio “

Sum of the SAR for LTE Band 5 &5.2GHz Wi-Fi & BT:

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 5	5.2GHz Wi-Fi DTS Band	Bluetooth(BR&EDR)		
Head	Left Touch	0.313	0.101		0.414	No
	Left Tilt	0.172	0.112		0.284	No
	Right Touch	0.305	0.165		0.470	No
	Right Tilt	0.212	0.173		0.385	No
Head	Left Touch	0.313		0.063	0.376	No
	Left Tilt	0.172		0.059	0.231	No
	Right Touch	0.305		0.030	0.335	No
	Right Tilt	0.212		0.030	0.242	No
Body-worn	Rear	0.375	0.108		0.483	No
	Front	0.469	0.038		0.507	No
	Rear	0.375		0.007	0.382	No
	Front	0.469		0.006	0.475	No

Note:

·According to KDB 447498 D01 General RF Exposure Guidance, when the simultaneous transmission SAR is less than1.6 W/kg, SPLSR assessment is not required.
·SPLSR mean is “The SAR to Peak Location Separation Ratio “

Sum of the SAR for LTE Band 12 &5.2GHz Wi-Fi & BT:

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 12	5.2GHz Wi-Fi DTS Band	Bluetooth(BR&EDR)		
Head	Left Touch	0.250	0.101		0.351	No
	Left Tilt	0.181	0.112		0.293	No
	Right Touch	0.200	0.165		0.365	No
	Right Tilt	0.154	0.173		0.327	No
Head	Left Touch	0.250		0.063	0.313	No
	Left Tilt	0.181		0.059	0.240	No
	Right Touch	0.200		0.030	0.230	No
	Right Tilt	0.154		0.030	0.184	No
Body-worn	Rear	0.347	0.108		0.455	No
	Front	0.307	0.038		0.345	No
	Rear	0.347		0.007	0.354	No
	Front	0.307		0.006	0.313	No

Note:

·According to KDB 447498 D01 General RF Exposure Guidance, when the simultaneous transmission SAR is less than1.6 W/kg, SPLSR assessment is not required.
·SPLSR mean is “The SAR to Peak Location Separation Ratio “

Sum of the SAR for LTE Band 13 &5.2GHz Wi-Fi & BT:

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 13	5.2GHz Wi-Fi DTS Band	Bluetooth(BR&EDR)		
Head	Left Touch	0.182	0.101		0.283	No
	Left Tilt	0.092	0.112		0.204	No
	Right Touch	0.158	0.165		0.323	No
	Right Tilt	0.123	0.173		0.296	No
Head	Left Touch	0.182		0.063	0.245	No
	Left Tilt	0.092		0.059	0.151	No
	Right Touch	0.158		0.030	0.188	No
	Right Tilt	0.123		0.030	0.153	No
Body-worn	Rear	0.223	0.108		0.331	No
	Front	0.157	0.038		0.195	No
	Rear	0.223		0.007	0.230	No
	Front	0.157		0.006	0.163	No

Note:

·According to KDB 447498 D01 General RF Exposure Guidance, when the simultaneous transmission SAR is less than1.6 W/kg, SPLSR assessment is not required.
·SPLSR mean is “The SAR to Peak Location Separation Ratio “

Sum of the SAR for LTE Band 17 &5.2GHz Wi-Fi & BT:

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 17	5.2GHz Wi-Fi DTS Band	Bluetooth(BR&EDR)		
Head	Left Touch	0.226	0.101		0.327	No
	Left Tilt	0.106	0.112		0.218	No
	Right Touch	0.224	0.165		0.389	No
	Right Tilt	0.180	0.173		0.353	No
Head	Left Touch	0.226		0.063	0.289	No
	Left Tilt	0.106		0.059	0.165	No
	Right Touch	0.224		0.030	0.254	No
	Right Tilt	0.180		0.030	0.210	No
Body-worn	Rear	0.368	0.108		0.476	No
	Front	0.282	0.038		0.320	No
	Rear	0.368		0.007	0.375	No
	Front	0.282		0.006	0.288	No

Note:

·According to KDB 447498 D01 General RF Exposure Guidance, when the simultaneous transmission SAR is less than1.6 W/kg, SPLSR assessment is not required.
·SPLSR mean is “The SAR to Peak Location Separation Ratio “

Sum of the SAR for LTE Band 18 &5.2GHz Wi-Fi & BT:

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 18	5.2GHz Wi-Fi DTS Band	Bluetooth(BR&EDR)		
Head	Left Touch	0.302	0.101		0.403	No
	Left Tilt	0.165	0.112		0.277	No
	Right Touch	0.284	0.165		0.449	No
	Right Tilt	0.124	0.173		0.297	No
Head	Left Touch	0.302		0.063	0.365	No
	Left Tilt	0.165		0.059	0.224	No
	Right Touch	0.284		0.030	0.314	No
	Right Tilt	0.124		0.030	0.154	No
Body-worn	Rear	0.204	0.108		0.312	No
	Front	0.319	0.038		0.357	No
	Rear	0.204		0.007	0.211	No
	Front	0.319		0.006	0.325	No

Note:

·According to KDB 447498 D01 General RF Exposure Guidance, when the simultaneous transmission SAR is less than1.6 W/kg, SPLSR assessment is not required.
·SPLSR mean is “The SAR to Peak Location Separation Ratio “

Sum of the SAR for LTE Band 19 &5.2GHz Wi-Fi & BT:

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 19	5.2GHz Wi-Fi DTS Band	Bluetooth(BR&EDR)		
Head	Left Touch	0.336	0.101		0.437	No
	Left Tilt	0.209	0.112		0.321	No
	Right Touch	0.326	0.165		0.491	No
	Right Tilt	0.160	0.173		0.333	No
Head	Left Touch	0.336		0.063	0.399	No
	Left Tilt	0.209		0.059	0.268	No
	Right Touch	0.326		0.030	0.356	No
	Right Tilt	0.160		0.030	0.190	No
Body-worn	Rear	0.296	0.108		0.404	No
	Front	0.311	0.038		0.349	No
	Rear	0.296		0.007	0.303	No
	Front	0.311		0.006	0.317	No

Note:

·According to KDB 447498 D01 General RF Exposure Guidance, when the simultaneous transmission SAR is less than1.6 W/kg, SPLSR assessment is not required.
·SPLSR mean is “The SAR to Peak Location Separation Ratio “

Sum of the SAR for LTE Band 25 &5.2GHz Wi-Fi & BT:

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 25	5.2GHz Wi-Fi DTS Band	Bluetooth(BR&EDR)		
Head	Left Touch	0.215	0.101		0.316	No
	Left Tilt	0.076	0.112		0.188	No
	Right Touch	0.173	0.165		0.338	No
	Right Tilt	0.084	0.173		0.257	No
Head	Left Touch	0.215		0.063	0.278	No
	Left Tilt	0.076		0.059	0.135	No
	Right Touch	0.173		0.030	0.203	No
	Right Tilt	0.084		0.030	0.114	No
Body-worn	Rear	0.972	0.108		1.080	No
	Front	0.804	0.038		0.842	No
	Rear	0.972		0.007	0.979	No
	Front	0.804		0.006	0.810	No

Note:

·According to KDB 447498 D01 General RF Exposure Guidance, when the simultaneous transmission SAR is less than1.6 W/kg, SPLSR assessment is not required.
·SPLSR mean is “The SAR to Peak Location Separation Ratio “

Sum of the SAR for LTE Band 26A &5.2GHz Wi-Fi & BT:

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 26	5.2GHz Wi-Fi DTS Band	Bluetooth(BR&EDR)		
Head	Left Touch	0.163	0.101		0.264	No
	Left Tilt	0.091	0.112		0.203	No
	Right Touch	0.139	0.165		0.304	No
	Right Tilt	0.098	0.173		0.271	No
Head	Left Touch	0.163		0.063	0.226	No
	Left Tilt	0.091		0.059	0.150	No
	Right Touch	0.139		0.030	0.169	No
	Right Tilt	0.098		0.030	0.128	No
Body-worn	Rear	0.613	0.108		0.721	No
	Front	0.543	0.038		0.581	No
	Rear	0.613		0.007	0.620	No
	Front	0.543		0.006	0.549	No

Note:

·According to KDB 447498 D01 General RF Exposure Guidance, when the simultaneous transmission SAR is less than1.6 W/kg, SPLSR assessment is not required.
·SPLSR mean is “The SAR to Peak Location Separation Ratio “

Sum of the SAR for LTE Band 38 &5.2GHz Wi-Fi & BT:

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 38	5.2GHz Wi-Fi DTS Band	Bluetooth(BR&EDR)		
Head	Left Touch	0.149	0.101		0.250	No
	Left Tilt	0.063	0.112		0.175	No
	Right Touch	0.087	0.165		0.252	No
	Right Tilt	0.091	0.173		0.264	No
Head	Left Touch	0.149		0.063	0.212	No
	Left Tilt	0.063		0.059	0.122	No
	Right Touch	0.087		0.030	0.117	No
	Right Tilt	0.091		0.030	0.121	No
Body-worn	Rear	0.604	0.108		0.712	No
	Front	0.213	0.038		0.251	No
	Rear	0.604		0.007	0.611	No
	Front	0.213		0.006	0.219	No

Note:

·According to KDB 447498 D01 General RF Exposure Guidance, when the simultaneous transmission SAR is less than1.6 W/kg, SPLSR assessment is not required.
·SPLSR mean is “The SAR to Peak Location Separation Ratio “

Sum of the SAR for LTE Band 40-Lower Side &5.2GHz Wi-Fi & BT:

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 40- Lower Side	5.2GHz Wi-Fi DTS Band	Bluetooth(BR&EDR)		
Head	Left Touch	0.125	0.101		0.226	No
	Left Tilt	0.057	0.112		0.169	No
	Right Touch	0.085	0.165		0.250	No
	Right Tilt	0.074	0.173		0.247	No
Head	Left Touch	0.125		0.063	0.188	No
	Left Tilt	0.057		0.059	0.116	No
	Right Touch	0.085		0.030	0.115	No
	Right Tilt	0.074		0.030	0.104	No
Body-worn	Rear	1.174	0.108		1.282	No
	Front	1.162	0.038		1.200	No
	Rear	1.174		0.007	1.181	No
	Front	1.162		0.006	1.168	No

Note:

·According to KDB 447498 D01 General RF Exposure Guidance, when the simultaneous transmission SAR is less than1.6 W/kg, SPLSR assessment is not required.
·SPLSR mean is “The SAR to Peak Location Separation Ratio “

Sum of the SAR for LTE Band 40-Upper Side &5.2GHz Wi-Fi & BT:

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 40-Upper Side	5.2GHz Wi-Fi DTS Band	Bluetooth(BR&EDR)		
Head	Left Touch	0.113	0.101		0.214	No
	Left Tilt	0.048	0.112		0.160	No
	Right Touch	0.073	0.165		0.238	No
	Right Tilt	0.059	0.173		0.232	No
Head	Left Touch	0.113		0.063	0.176	No
	Left Tilt	0.048		0.059	0.107	No
	Right Touch	0.073		0.030	0.103	No
	Right Tilt	0.059		0.030	0.089	No
Body-worn	Rear	0.737	0.108		0.845	No
	Front	0.103	0.038		0.141	No
	Rear	0.737		0.007	0.744	No
	Front	0.103		0.006	0.109	No

Note:

·According to KDB 447498 D01 General RF Exposure Guidance, when the simultaneous transmission SAR is less than1.6 W/kg, SPLSR assessment is not required.
·SPLSR mean is “The SAR to Peak Location Separation Ratio “

Sum of the SAR for LTE Band 41 &5.2GHz Wi-Fi & BT:

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 41	5.2GHz Wi-Fi DTS Band	Bluetooth(BR&EDR)		
Head	Left Touch	0.164	0.101		0.265	No
	Left Tilt	0.068	0.112		0.180	No
	Right Touch	0.092	0.165		0.257	No
	Right Tilt	0.099	0.173		0.272	No
Head	Left Touch	0.164		0.063	0.227	No
	Left Tilt	0.068		0.059	0.127	No
	Right Touch	0.092		0.030	0.122	No
	Right Tilt	0.099		0.030	0.129	No
Body-worn	Rear	0.561	0.108		0.669	No
	Front	0.234	0.038		0.272	No
	Rear	0.561		0.007	0.568	No
	Front	0.234		0.006	0.240	No

Note:

·According to KDB 447498 D01 General RF Exposure Guidance, when the simultaneous transmission SAR is less than1.6 W/kg, SPLSR assessment is not required.
·SPLSR mean is “The SAR to Peak Location Separation Ratio “

Sum of the SAR for LTE Band 66 & 5.2GHz Wi-Fi & BT:

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 66	5.2GHz Wi-Fi DTS Band	Bluetooth(BR&EDR)		
Head	Left Touch	0.155	0.101		0.256	No
	Left Tilt	0.087	0.112		0.199	No
	Right Touch	0.132	0.165		0.297	No
	Right Tilt	0.093	0.173		0.266	No
Head	Left Touch	0.155		0.063	0.218	No
	Left Tilt	0.087		0.059	0.146	No
	Right Touch	0.132		0.030	0.162	No
	Right Tilt	0.093		0.030	0.123	No
Body-worn	Rear	0.583	0.108		0.691	No
	Front	0.516	0.038		0.554	No
	Rear	0.583		0.007	0.590	No
	Front	0.516		0.006	0.522	No

Note:

·According to KDB 447498 D01 General RF Exposure Guidance, when the simultaneous transmission SAR is less than1.6 W/kg, SPLSR assessment is not required.
·SPLSR mean is “The SAR to Peak Location Separation Ratio “

Sum of the SAR for GSM 850 &5.3GHz Wi-Fi & BT:

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		GSM 850	5.3GHz WI-Fi DTS Band	Bluetooth(BR&EDR)		
Head (voice)	Left Touch	0.262	0.046		0.308	No
	Left Tilt	0.183	0.061		0.244	No
	Right Touch	0.240	0.120		0.360	No
	Right Tilt	0.214	0.102		0.316	No
Head (voice)	Left Touch	0.262		0.063	0.325	No
	Left Tilt	0.183		0.059	0.242	No
	Right Touch	0.240		0.030	0.270	No
	Right Tilt	0.214		0.030	0.244	No
Body-worn (voice)	Rear	0.403	0.082		0.485	No
		0.403		0.007	0.410	No
	Front	0.303	0.038		0.341	No
		0.303		0.006	0.309	No
Body-worn (Data)	Rear	0.784		0.007	0.791	No
		0.784	0.082		0.866	No
	Front	0.588		0.006	0.594	No
		0.588	0.038		0.626	No

Note:

·According to KDB 447498 D01 General RF Exposure Guidance, when the simultaneous transmission SAR is less than1.6 W/kg, SPLSR assessment is not required.

·SPLSR mean is “The SAR to Peak Location Separation Ratio “

Sum of the SAR for GSM 1900 &5.3GHz Wi-Fi & BT:

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		PCS 1900	5.3GHz Wi-Fi DTS Band	Bluetooth(BR&EDR)		
Head (voice)	Left Touch	0.101	0.046		0.147	No
	Left Tilt	0.031	0.061		0.092	No
	Right Touch	0.037	0.120		0.157	No
	Right Tilt	0.024	0.102		0.126	No
Head (voice)	Left Touch	0.101		0.063	0.164	No
	Left Tilt	0.031		0.059	0.090	No
	Right Touch	0.037		0.030	0.067	No
	Right Tilt	0.024		0.030	0.054	No
Body-worn (voice)	Rear	0.374	0.082		0.456	No
		0.374		0.007	0.381	No
	Front	0.268	0.038		0.306	No
		0.268		0.006	0.274	No
Body-worn (Data)	Rear	0.590		0.007	0.597	No
		0.590	0.082		0.672	No
	Front	0.347		0.006	0.353	No
		0.347	0.038		0.385	No

Note:

·According to KDB 447498 D01 General RF Exposure Guidance, when the simultaneous transmission SAR is less than1.6 W/kg, SPLSR assessment is not required.
·SPLSR mean is “The SAR to Peak Location Separation Ratio “

Sum of the SAR for WCDMA Band II &5.3GHz Wi-Fi & BT:

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		WCDMA Band II	5.3GHz Wi-Fi DTS Band	Bluetooth(BR&EDR)		
Head	Left Touch	0.122	0.046		0.168	No
	Left Tilt	0.076	0.061		0.137	No
	Right Touch	0.105	0.120		0.225	No
	Right Tilt	0.064	0.102		0.166	No
Head	Left Touch	0.122		0.063	0.185	No
	Left Tilt	0.076		0.059	0.135	No
	Right Touch	0.105		0.030	0.135	No
	Right Tilt	0.064		0.030	0.094	No
Body-worn	Rear	1.153	0.082		1.235	No
	Front	0.740	0.038		0.778	No
	Rear	1.153		0.007	1.160	No
	Front	0.740		0.006	0.746	No

Note:

·According to KDB 447498 D01 General RF Exposure Guidance, when the simultaneous transmission SAR is less than1.6 W/kg, SPLSR assessment is not required.
·SPLSR mean is “The SAR to Peak Location Separation Ratio “

Sum of the SAR for WCDMA Band IV &5.3GHz Wi-Fi & BT:

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		WCDMA Band IV	5.3GHz Wi-Fi DTS Band	Bluetooth(BR&EDR)		
Head	Left Touch	0.251	0.046		0.297	No
	Left Tilt	0.114	0.061		0.175	No
	Right Touch	0.175	0.120		0.295	No
	Right Tilt	0.087	0.102		0.189	No
Head	Left Touch	0.251		0.063	0.314	No
	Left Tilt	0.114		0.059	0.173	No
	Right Touch	0.175		0.030	0.205	No
	Right Tilt	0.087		0.030	0.117	No
Body-worn	Rear	0.366	0.082		0.448	No
	Front	0.334	0.038		0.372	No
	Rear	0.366		0.007	0.373	No
	Front	0.334		0.006	0.340	No

Note:

·According to KDB 447498 D01 General RF Exposure Guidance, when the simultaneous transmission SAR is less than1.6 W/kg, SPLSR assessment is not required.
·SPLSR mean is “The SAR to Peak Location Separation Ratio “

Sum of the SAR for WCDMA Band V &5.3GHz Wi-Fi & BT:

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		WCDMA Band V	5.3GHz Wi-Fi DTS Band	Bluetooth(BR&EDR)		
Head	Left Touch	0.234	0.046		0.280	No
	Left Tilt	0.122	0.061		0.183	No
	Right Touch	0.226	0.120		0.346	No
	Right Tilt	0.165	0.102		0.267	No
Head	Left Touch	0.234		0.063	0.297	No
	Left Tilt	0.122		0.059	0.181	No
	Right Touch	0.226		0.030	0.256	No
	Right Tilt	0.165		0.030	0.195	No
Body-worn	Rear	0.335	0.082		0.417	No
	Front	0.276	0.038		0.314	No
	Rear	0.335		0.007	0.342	No
	Front	0.276		0.006	0.282	No

Note:

·According to KDB 447498 D01 General RF Exposure Guidance, when the simultaneous transmission SAR is less than1.6 W/kg, SPLSR assessment is not required.
·SPLSR mean is “The SAR to Peak Location Separation Ratio “

Sum of the SAR for LTE Band 2 &5.3GHz Wi-Fi & BT:

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 2	5.3GHz Wi-Fi DTS Band	Bluetooth(BR&EDR)		
Head	Left Touch	0.285	0.046		0.331	No
	Left Tilt	0.084	0.061		0.145	No
	Right Touch	0.191	0.120		0.311	No
	Right Tilt	0.086	0.102		0.188	No
Head	Left Touch	0.285		0.063	0.348	No
	Left Tilt	0.084		0.059	0.143	No
	Right Touch	0.191		0.030	0.221	No
	Right Tilt	0.086		0.030	0.116	No
Body-worn	Rear	1.100	0.082		1.182	No
	Front	0.727	0.038		0.765	No
	Rear	1.100		0.007	1.107	No
	Front	0.727		0.006	0.733	No

Note:

·According to KDB 447498 D01 General RF Exposure Guidance, when the simultaneous transmission SAR is less than1.6 W/kg, SPLSR assessment is not required.
·SPLSR mean is “The SAR to Peak Location Separation Ratio “

Sum of the SAR for LTE Band 4 &5.3GHz Wi-Fi & BT:

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 4	5.3GHz Wi-Fi DTS Band	Bluetooth(BR&EDR)		
Head	Left Touch	0.279	0.046		0.325	No
	Left Tilt	0.138	0.061		0.199	No
	Right Touch	0.319	0.120		0.439	No
	Right Tilt	0.122	0.102		0.224	No
Head	Left Touch	0.279		0.063	0.342	No
	Left Tilt	0.138		0.059	0.197	No
	Right Touch	0.319		0.030	0.349	No
	Right Tilt	0.122		0.030	0.152	No
Body-worn	Rear	0.572	0.082		0.654	No
	Front	0.541	0.038		0.579	No
	Rear	0.572		0.007	0.579	No
	Front	0.541		0.006	0.547	No

Note:

·According to KDB 447498 D01 General RF Exposure Guidance, when the simultaneous transmission SAR is less than1.6 W/kg, SPLSR assessment is not required.
·SPLSR mean is “The SAR to Peak Location Separation Ratio “

Sum of the SAR for LTE Band 5 &5.3GHz Wi-Fi & BT:

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 5	5.3GHz Wi-Fi DTS Band	Bluetooth(BR&EDR)		
Head	Left Touch	0.313	0.046		0.359	No
	Left Tilt	0.172	0.061		0.233	No
	Right Touch	0.305	0.120		0.425	No
	Right Tilt	0.212	0.102		0.314	No
Head	Left Touch	0.313		0.063	0.376	No
	Left Tilt	0.172		0.059	0.231	No
	Right Touch	0.305		0.030	0.335	No
	Right Tilt	0.212		0.030	0.242	No
Body-worn	Rear	0.375	0.082		0.457	No
	Front	0.469	0.038		0.507	No
	Rear	0.375		0.007	0.382	No
	Front	0.469		0.006	0.475	No

Note:

·According to KDB 447498 D01 General RF Exposure Guidance, when the simultaneous transmission SAR is less than1.6 W/kg, SPLSR assessment is not required.
·SPLSR mean is “The SAR to Peak Location Separation Ratio “

Sum of the SAR for LTE Band 12 &5.3GHz Wi-Fi & BT:

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 12	5.3GHz Wi-Fi DTS Band	Bluetooth(BR&EDR)		
Head	Left Touch	0.250	0.046		0.296	No
	Left Tilt	0.181	0.061		0.242	No
	Right Touch	0.200	0.120		0.320	No
	Right Tilt	0.154	0.102		0.256	No
Head	Left Touch	0.250		0.063	0.313	No
	Left Tilt	0.181		0.059	0.240	No
	Right Touch	0.200		0.030	0.230	No
	Right Tilt	0.154		0.030	0.184	No
Body-worn	Rear	0.347	0.082		0.429	No
	Front	0.307	0.038		0.345	No
	Rear	0.347		0.007	0.354	No
	Front	0.307		0.006	0.313	No

Note:

·According to KDB 447498 D01 General RF Exposure Guidance, when the simultaneous transmission SAR is less than1.6 W/kg, SPLSR assessment is not required.
·SPLSR mean is “The SAR to Peak Location Separation Ratio “

Sum of the SAR for LTE Band 13 &5.3GHz Wi-Fi & BT:

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 13	5.3GHz Wi-Fi DTS Band	Bluetooth(BR&EDR)		
Head	Left Touch	0.182	0.046		0.228	No
	Left Tilt	0.092	0.061		0.153	No
	Right Touch	0.158	0.120		0.278	No
	Right Tilt	0.123	0.102		0.225	No
Head	Left Touch	0.182		0.063	0.245	No
	Left Tilt	0.092		0.059	0.151	No
	Right Touch	0.158		0.030	0.188	No
	Right Tilt	0.123		0.030	0.153	No
Body-worn	Rear	0.223	0.082		0.305	No
	Front	0.157	0.038		0.195	No
	Rear	0.223		0.007	0.230	No
	Front	0.157		0.006	0.163	No

Note:

·According to KDB 447498 D01 General RF Exposure Guidance, when the simultaneous transmission SAR is less than1.6 W/kg, SPLSR assessment is not required.
·SPLSR mean is “The SAR to Peak Location Separation Ratio “

Sum of the SAR for LTE Band 17 &5.3GHz Wi-Fi & BT:

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 17	5.3GHz Wi-Fi DTS Band	Bluetooth(BR&EDR)		
Head	Left Touch	0.226	0.046		0.272	No
	Left Tilt	0.106	0.061		0.167	No
	Right Touch	0.224	0.120		0.344	No
	Right Tilt	0.180	0.102		0.282	No
Head	Left Touch	0.226		0.063	0.289	No
	Left Tilt	0.106		0.059	0.165	No
	Right Touch	0.224		0.030	0.254	No
	Right Tilt	0.180		0.030	0.210	No
Body-worn	Rear	0.368	0.082		0.450	No
	Front	0.282	0.038		0.320	No
	Rear	0.368		0.007	0.375	No
	Front	0.282		0.006	0.288	No

Note:

·According to KDB 447498 D01 General RF Exposure Guidance, when the simultaneous transmission SAR is less than1.6 W/kg, SPLSR assessment is not required.
·SPLSR mean is “The SAR to Peak Location Separation Ratio “

Sum of the SAR for LTE Band 18 &5.3GHz Wi-Fi & BT:

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 18	5.3GHz Wi-Fi DTS Band	Bluetooth(BR&EDR)		
Head	Left Touch	0.302	0.046		0.348	No
	Left Tilt	0.165	0.061		0.226	No
	Right Touch	0.284	0.120		0.404	No
	Right Tilt	0.124	0.102		0.226	No
Head	Left Touch	0.302		0.063	0.365	No
	Left Tilt	0.165		0.059	0.224	No
	Right Touch	0.284		0.030	0.314	No
	Right Tilt	0.124		0.030	0.154	No
Body-worn	Rear	0.204	0.082		0.286	No
	Front	0.319	0.038		0.357	No
	Rear	0.204		0.007	0.211	No
	Front	0.319		0.006	0.325	No

Note:

·According to KDB 447498 D01 General RF Exposure Guidance, when the simultaneous transmission SAR is less than1.6 W/kg, SPLSR assessment is not required.
·SPLSR mean is “The SAR to Peak Location Separation Ratio “

Sum of the SAR for LTE Band 19 &5.3GHz Wi-Fi & BT:

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 19	5.3GHz Wi-Fi DTS Band	Bluetooth(BR&EDR)		
Head	Left Touch	0.336	0.046		0.382	No
	Left Tilt	0.209	0.061		0.270	No
	Right Touch	0.326	0.120		0.446	No
	Right Tilt	0.160	0.102		0.262	No
Head	Left Touch	0.336		0.063	0.399	No
	Left Tilt	0.209		0.059	0.268	No
	Right Touch	0.326		0.030	0.356	No
	Right Tilt	0.160		0.030	0.190	No
Body-worn	Rear	0.296	0.082		0.378	No
	Front	0.311	0.038		0.349	No
	Rear	0.296		0.007	0.303	No
	Front	0.311		0.006	0.317	No

Note:

·According to KDB 447498 D01 General RF Exposure Guidance, when the simultaneous transmission SAR is less than1.6 W/kg, SPLSR assessment is not required.
·SPLSR mean is “The SAR to Peak Location Separation Ratio “

Sum of the SAR for LTE Band 25 &5.3GHz Wi-Fi & BT:

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 25	5.3GHz Wi-Fi DTS Band	Bluetooth(BR&EDR)		
Head	Left Touch	0.215	0.046		0.261	No
	Left Tilt	0.076	0.061		0.137	No
	Right Touch	0.173	0.120		0.293	No
	Right Tilt	0.084	0.102		0.186	No
Head	Left Touch	0.215		0.063	0.278	No
	Left Tilt	0.076		0.059	0.135	No
	Right Touch	0.173		0.030	0.203	No
	Right Tilt	0.084		0.030	0.114	No
Body-worn	Rear	0.972	0.082		1.054	No
	Front	0.804	0.038		0.842	No
	Rear	0.972		0.007	0.979	No
	Front	0.804		0.006	0.810	No

Note:

·According to KDB 447498 D01 General RF Exposure Guidance, when the simultaneous transmission SAR is less than1.6 W/kg, SPLSR assessment is not required.
·SPLSR mean is “The SAR to Peak Location Separation Ratio “

Sum of the SAR for LTE Band 26A &5.3GHz Wi-Fi & BT:

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 26	5.3GHz Wi-Fi DTS Band	Bluetooth(BR&EDR)		
Head	Left Touch	0.163	0.046		0.209	No
	Left Tilt	0.091	0.061		0.152	No
	Right Touch	0.139	0.120		0.259	No
	Right Tilt	0.098	0.102		0.200	No
Head	Left Touch	0.163		0.063	0.226	No
	Left Tilt	0.091		0.059	0.150	No
	Right Touch	0.139		0.030	0.169	No
	Right Tilt	0.098		0.030	0.128	No
Body-worn	Rear	0.613	0.082		0.695	No
	Front	0.543	0.038		0.581	No
	Rear	0.613		0.007	0.620	No
	Front	0.543		0.006	0.549	No

Note:

·According to KDB 447498 D01 General RF Exposure Guidance, when the simultaneous transmission SAR is less than1.6 W/kg, SPLSR assessment is not required.
·SPLSR mean is “The SAR to Peak Location Separation Ratio “

Sum of the SAR for LTE Band 38 &5.3GHz Wi-Fi & BT:

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 38	5.3GHz Wi-Fi DTS Band	Bluetooth(BR&EDR)		
Head	Left Touch	0.149	0.046		0.195	No
	Left Tilt	0.063	0.061		0.124	No
	Right Touch	0.087	0.120		0.207	No
	Right Tilt	0.091	0.102		0.193	No
Head	Left Touch	0.149		0.063	0.212	No
	Left Tilt	0.063		0.059	0.122	No
	Right Touch	0.087		0.030	0.117	No
	Right Tilt	0.091		0.030	0.121	No
Body-worn	Rear	0.604	0.082		0.686	No
	Front	0.213	0.038		0.251	No
	Rear	0.604		0.007	0.611	No
	Front	0.213		0.006	0.219	No

Note:

·According to KDB 447498 D01 General RF Exposure Guidance, when the simultaneous transmission SAR is less than1.6 W/kg, SPLSR assessment is not required.
·SPLSR mean is “The SAR to Peak Location Separation Ratio “

Sum of the SAR for LTE Band 40-Lower Side &5.3GHz Wi-Fi & BT:

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 40- Lower Side	5.3GHz Wi-Fi DTS Band	Bluetooth(BR&EDR)		
Head	Left Touch	0.125	0.046		0.171	No
	Left Tilt	0.057	0.061		0.118	No
	Right Touch	0.085	0.120		0.205	No
	Right Tilt	0.074	0.102		0.176	No
Head	Left Touch	0.125		0.063	0.188	No
	Left Tilt	0.057		0.059	0.116	No
	Right Touch	0.085		0.030	0.115	No
	Right Tilt	0.074		0.030	0.104	No
Body-worn	Rear	1.174	0.082		1.256	No
	Front	1.162	0.038		1.200	No
	Rear	1.174		0.007	1.181	No
	Front	1.162		0.006	1.168	No

Note:

·According to KDB 447498 D01 General RF Exposure Guidance, when the simultaneous transmission SAR is less than1.6 W/kg, SPLSR assessment is not required.
·SPLSR mean is “The SAR to Peak Location Separation Ratio “

Sum of the SAR for LTE Band 40-Upper Side &5.3GHz Wi-Fi & BT:

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 40-Upper Side	5.3GHz Wi-Fi DTS Band	Bluetooth(BR&EDR)		
Head	Left Touch	0.113	0.046		0.159	No
	Left Tilt	0.048	0.061		0.109	No
	Right Touch	0.073	0.120		0.193	No
	Right Tilt	0.059	0.102		0.161	No
Head	Left Touch	0.113		0.063	0.176	No
	Left Tilt	0.048		0.059	0.107	No
	Right Touch	0.073		0.030	0.103	No
	Right Tilt	0.059		0.030	0.089	No
Body-worn	Rear	0.737	0.082		0.819	No
	Front	0.103	0.038		0.141	No
	Rear	0.737		0.007	0.744	No
	Front	0.103		0.006	0.109	No

Note:

·According to KDB 447498 D01 General RF Exposure Guidance, when the simultaneous transmission SAR is less than1.6 W/kg, SPLSR assessment is not required.
·SPLSR mean is “The SAR to Peak Location Separation Ratio “

Sum of the SAR for LTE Band 41 &5.3GHz Wi-Fi & BT:

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 41	5.3GHz Wi-Fi DTS Band	Bluetooth(BR&EDR)		
Head	Left Touch	0.164	0.046		0.210	No
	Left Tilt	0.068	0.061		0.129	No
	Right Touch	0.092	0.120		0.212	No
	Right Tilt	0.099	0.102		0.201	No
Head	Left Touch	0.164		0.063	0.227	No
	Left Tilt	0.068		0.059	0.127	No
	Right Touch	0.092		0.030	0.122	No
	Right Tilt	0.099		0.030	0.129	No
Body-worn	Rear	0.561	0.082		0.643	No
	Front	0.234	0.038		0.272	No
	Rear	0.561		0.007	0.568	No
	Front	0.234		0.006	0.240	No

Note:

·According to KDB 447498 D01 General RF Exposure Guidance, when the simultaneous transmission SAR is less than1.6 W/kg, SPLSR assessment is not required.
·SPLSR mean is “The SAR to Peak Location Separation Ratio “

Sum of the SAR for LTE Band 66 & 5.3GHz Wi-Fi & BT:

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 66	5.3GHz Wi-Fi DTS Band	Bluetooth(BR&EDR)		
Head	Left Touch	0.155	0.046		0.201	No
	Left Tilt	0.087	0.061		0.148	No
	Right Touch	0.132	0.120		0.252	No
	Right Tilt	0.093	0.102		0.195	No
Head	Left Touch	0.155		0.063	0.218	No
	Left Tilt	0.087		0.059	0.146	No
	Right Touch	0.132		0.030	0.162	No
	Right Tilt	0.093		0.030	0.123	No
Body-worn	Rear	0.583	0.082		0.665	No
	Front	0.516	0.038		0.554	No
	Rear	0.583		0.007	0.590	No
	Front	0.516		0.006	0.522	No

Note:

·According to KDB 447498 D01 General RF Exposure Guidance, when the simultaneous transmission SAR is less than1.6 W/kg, SPLSR assessment is not required.
·SPLSR mean is “The SAR to Peak Location Separation Ratio “

Sum of the SAR for GSM 850 &5.5GHz Wi-Fi & BT:

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		GSM 850	5.5GHz WI-Fi DTS Band	Bluetooth(BR&EDR)		
Head (voice)	Left Touch	0.262	0.111		0.373	No
	Left Tilt	0.183	0.079		0.262	No
	Right Touch	0.240	0.123		0.363	No
	Right Tilt	0.214	0.128		0.342	No
Head (voice)	Left Touch	0.262		0.063	0.325	No
	Left Tilt	0.183		0.059	0.242	No
	Right Touch	0.240		0.030	0.270	No
	Right Tilt	0.214		0.030	0.244	No
Body-worn (voice)	Rear	0.403	0.123		0.526	No
		0.403		0.007	0.410	No
	Front	0.303	0.063		0.366	No
		0.303		0.006	0.309	No
Body-worn (Data)	Rear	0.784		0.007	0.791	No
		0.784	0.123		0.907	No
	Front	0.588		0.006	0.594	No
		0.588	0.063		0.651	No

Note:

·According to KDB 447498 D01 General RF Exposure Guidance, when the simultaneous transmission SAR is less than1.6 W/kg, SPLSR assessment is not required.

·SPLSR mean is “The SAR to Peak Location Separation Ratio “

Sum of the SAR for GSM 1900 &5.5GHz Wi-Fi & BT:

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		PCS 1900	5.5GHz Wi-Fi DTS Band	Bluetooth(BR&EDR)		
Head (voice)	Left Touch	0.101	0.111		0.212	No
	Left Tilt	0.031	0.079		0.110	No
	Right Touch	0.037	0.123		0.160	No
	Right Tilt	0.024	0.128		0.152	No
Head (voice)	Left Touch	0.101		0.063	0.164	No
	Left Tilt	0.031		0.059	0.090	No
	Right Touch	0.037		0.030	0.067	No
	Right Tilt	0.024		0.030	0.054	No
Body-worn (voice)	Rear	0.374	0.123		0.497	No
		0.374		0.007	0.381	No
	Front	0.268	0.063		0.331	No
		0.268		0.006	0.274	No
Body-worn (Data)	Rear	0.590		0.007	0.597	No
		0.590	0.123		0.713	No
	Front	0.347		0.006	0.353	No
		0.347	0.063		0.410	No

Note:

·According to KDB 447498 D01 General RF Exposure Guidance, when the simultaneous transmission SAR is less than1.6 W/kg, SPLSR assessment is not required.
·SPLSR mean is “The SAR to Peak Location Separation Ratio “

Sum of the SAR for WCDMA Band II &5.5GHz Wi-Fi & BT:

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		WCDMA Band II	5.5GHz Wi-Fi DTS Band	Bluetooth(BR&EDR)		
Head	Left Touch	0.122	0.111		0.233	No
	Left Tilt	0.076	0.079		0.155	No
	Right Touch	0.105	0.123		0.228	No
	Right Tilt	0.064	0.128		0.192	No
Head	Left Touch	0.122		0.063	0.185	No
	Left Tilt	0.076		0.059	0.135	No
	Right Touch	0.105		0.030	0.135	No
	Right Tilt	0.064		0.030	0.094	No
Body-worn	Rear	1.153	0.123		1.276	No
	Front	0.740	0.063		0.803	No
	Rear	1.153		0.007	1.160	No
	Front	0.740		0.006	0.746	No

Note:

·According to KDB 447498 D01 General RF Exposure Guidance, when the simultaneous transmission SAR is less than1.6 W/kg, SPLSR assessment is not required.
·SPLSR mean is “The SAR to Peak Location Separation Ratio “

Sum of the SAR for WCDMA Band IV &5.5GHz Wi-Fi & BT:

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		WCDMA Band IV	5.5GHz Wi-Fi DTS Band	Bluetooth(BR&EDR)		
Head	Left Touch	0.251	0.111		0.362	No
	Left Tilt	0.114	0.079		0.193	No
	Right Touch	0.175	0.123		0.298	No
	Right Tilt	0.087	0.128		0.215	No
Head	Left Touch	0.251		0.063	0.314	No
	Left Tilt	0.114		0.059	0.173	No
	Right Touch	0.175		0.030	0.205	No
	Right Tilt	0.087		0.030	0.117	No
Body-worn	Rear	0.366	0.123		0.489	No
	Front	0.334	0.063		0.397	No
	Rear	0.366		0.007	0.373	No
	Front	0.334		0.006	0.340	No

Note:

·According to KDB 447498 D01 General RF Exposure Guidance, when the simultaneous transmission SAR is less than1.6 W/kg, SPLSR assessment is not required.
·SPLSR mean is “The SAR to Peak Location Separation Ratio “

Sum of the SAR for WCDMA Band V &5.5GHz Wi-Fi & BT:

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		WCDMA Band V	5.5GHz Wi-Fi DTS Band	Bluetooth(BR&EDR)		
Head	Left Touch	0.234	0.111		0.345	No
	Left Tilt	0.122	0.079		0.201	No
	Right Touch	0.226	0.123		0.349	No
	Right Tilt	0.165	0.128		0.293	No
Head	Left Touch	0.234		0.063	0.297	No
	Left Tilt	0.122		0.059	0.181	No
	Right Touch	0.226		0.030	0.256	No
	Right Tilt	0.165		0.030	0.195	No
Body-worn	Rear	0.335	0.123		0.458	No
	Front	0.276	0.063		0.339	No
	Rear	0.335		0.007	0.342	No
	Front	0.276		0.006	0.282	No

Note:

·According to KDB 447498 D01 General RF Exposure Guidance, when the simultaneous transmission SAR is less than1.6 W/kg, SPLSR assessment is not required.
·SPLSR mean is “The SAR to Peak Location Separation Ratio “

Sum of the SAR for LTE Band 2 &5.5GHz Wi-Fi & BT:

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 2	5.5GHz Wi-Fi DTS Band	Bluetooth(BR&EDR)		
Head	Left Touch	0.285	0.111		0.396	No
	Left Tilt	0.084	0.079		0.163	No
	Right Touch	0.191	0.123		0.314	No
	Right Tilt	0.086	0.128		0.214	No
Head	Left Touch	0.285		0.063	0.348	No
	Left Tilt	0.084		0.059	0.143	No
	Right Touch	0.191		0.030	0.221	No
	Right Tilt	0.086		0.030	0.116	No
Body-worn	Rear	1.100	0.123		1.223	No
	Front	0.727	0.063		0.790	No
	Rear	1.100		0.007	1.107	No
	Front	0.727		0.006	0.733	No

Note:

·According to KDB 447498 D01 General RF Exposure Guidance, when the simultaneous transmission SAR is less than1.6 W/kg, SPLSR assessment is not required.
·SPLSR mean is “The SAR to Peak Location Separation Ratio “

Sum of the SAR for LTE Band 4 &5.5GHz Wi-Fi & BT:

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 4	5.5GHz Wi-Fi DTS Band	Bluetooth(BR&EDR)		
Head	Left Touch	0.279	0.111		0.390	No
	Left Tilt	0.138	0.079		0.217	No
	Right Touch	0.319	0.123		0.442	No
	Right Tilt	0.122	0.128		0.250	No
Head	Left Touch	0.279		0.063	0.342	No
	Left Tilt	0.138		0.059	0.197	No
	Right Touch	0.319		0.030	0.349	No
	Right Tilt	0.122		0.030	0.152	No
Body-worn	Rear	0.572	0.123		0.695	No
	Front	0.541	0.063		0.604	No
	Rear	0.572		0.007	0.579	No
	Front	0.541		0.006	0.547	No

Note:

·According to KDB 447498 D01 General RF Exposure Guidance, when the simultaneous transmission SAR is less than1.6 W/kg, SPLSR assessment is not required.
·SPLSR mean is “The SAR to Peak Location Separation Ratio “

Sum of the SAR for LTE Band 5 &5.5GHz Wi-Fi & BT:

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 5	5.5GHz Wi-Fi DTS Band	Bluetooth(BR&EDR)		
Head	Left Touch	0.313	0.111		0.424	No
	Left Tilt	0.172	0.079		0.251	No
	Right Touch	0.305	0.123		0.428	No
	Right Tilt	0.212	0.128		0.340	No
Head	Left Touch	0.313		0.063	0.376	No
	Left Tilt	0.172		0.059	0.231	No
	Right Touch	0.305		0.030	0.335	No
	Right Tilt	0.212		0.030	0.242	No
Body-worn	Rear	0.375	0.123		0.498	No
	Front	0.469	0.063		0.532	No
	Rear	0.375		0.007	0.382	No
	Front	0.469		0.006	0.475	No

Note:

·According to KDB 447498 D01 General RF Exposure Guidance, when the simultaneous transmission SAR is less than1.6 W/kg, SPLSR assessment is not required.
·SPLSR mean is “The SAR to Peak Location Separation Ratio “

Sum of the SAR for LTE Band 12 &5.5GHz Wi-Fi & BT:

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 12	5.5GHz Wi-Fi DTS Band	Bluetooth(BR&EDR)		
Head	Left Touch	0.250	0.111		0.361	No
	Left Tilt	0.181	0.079		0.260	No
	Right Touch	0.200	0.123		0.323	No
	Right Tilt	0.154	0.128		0.282	No
Head	Left Touch	0.250		0.063	0.313	No
	Left Tilt	0.181		0.059	0.240	No
	Right Touch	0.200		0.030	0.230	No
	Right Tilt	0.154		0.030	0.184	No
Body-worn	Rear	0.347	0.123		0.470	No
	Front	0.307	0.063		0.370	No
	Rear	0.347		0.007	0.354	No
	Front	0.307		0.006	0.313	No

Note:

·According to KDB 447498 D01 General RF Exposure Guidance, when the simultaneous transmission SAR is less than1.6 W/kg, SPLSR assessment is not required.
·SPLSR mean is “The SAR to Peak Location Separation Ratio “

Sum of the SAR for LTE Band 13 &5.5GHz Wi-Fi & BT:

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 13	5.5GHz Wi-Fi DTS Band	Bluetooth(BR&EDR)		
Head	Left Touch	0.182	0.111		0.293	No
	Left Tilt	0.092	0.079		0.171	No
	Right Touch	0.158	0.123		0.281	No
	Right Tilt	0.123	0.128		0.251	No
Head	Left Touch	0.182		0.063	0.245	No
	Left Tilt	0.092		0.059	0.151	No
	Right Touch	0.158		0.030	0.188	No
	Right Tilt	0.123		0.030	0.153	No
Body-worn	Rear	0.223	0.123		0.346	No
	Front	0.157	0.063		0.220	No
	Rear	0.223		0.007	0.230	No
	Front	0.157		0.006	0.163	No

Note:

·According to KDB 447498 D01 General RF Exposure Guidance, when the simultaneous transmission SAR is less than1.6 W/kg, SPLSR assessment is not required.
·SPLSR mean is “The SAR to Peak Location Separation Ratio “

Sum of the SAR for LTE Band 17 &5.5GHz Wi-Fi & BT:

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 17	5.5GHz Wi-Fi DTS Band	Bluetooth(BR&EDR)		
Head	Left Touch	0.226	0.111		0.337	No
	Left Tilt	0.106	0.079		0.185	No
	Right Touch	0.224	0.123		0.347	No
	Right Tilt	0.180	0.128		0.308	No
Head	Left Touch	0.226		0.063	0.289	No
	Left Tilt	0.106		0.059	0.165	No
	Right Touch	0.224		0.030	0.254	No
	Right Tilt	0.180		0.030	0.210	No
Body-worn	Rear	0.368	0.123		0.491	No
	Front	0.282	0.063		0.345	No
	Rear	0.368		0.007	0.375	No
	Front	0.282		0.006	0.288	No

Note:

·According to KDB 447498 D01 General RF Exposure Guidance, when the simultaneous transmission SAR is less than1.6 W/kg, SPLSR assessment is not required.
·SPLSR mean is “The SAR to Peak Location Separation Ratio “

Sum of the SAR for LTE Band 18 &5.5GHz Wi-Fi & BT:

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 18	5.5GHz Wi-Fi DTS Band	Bluetooth(BR&EDR)		
Head	Left Touch	0.302	0.111		0.413	No
	Left Tilt	0.165	0.079		0.244	No
	Right Touch	0.284	0.123		0.407	No
	Right Tilt	0.124	0.128		0.252	No
Head	Left Touch	0.302		0.063	0.365	No
	Left Tilt	0.165		0.059	0.224	No
	Right Touch	0.284		0.030	0.314	No
	Right Tilt	0.124		0.030	0.154	No
Body-worn	Rear	0.204	0.123		0.327	No
	Front	0.319	0.063		0.382	No
	Rear	0.204		0.007	0.211	No
	Front	0.319		0.006	0.325	No

Note:

·According to KDB 447498 D01 General RF Exposure Guidance, when the simultaneous transmission SAR is less than1.6 W/kg, SPLSR assessment is not required.
·SPLSR mean is “The SAR to Peak Location Separation Ratio “

Sum of the SAR for LTE Band 19 &5.5GHz Wi-Fi & BT:

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 19	5.5GHz Wi-Fi DTS Band	Bluetooth(BR&EDR)		
Head	Left Touch	0.336	0.111		0.447	No
	Left Tilt	0.209	0.079		0.288	No
	Right Touch	0.326	0.123		0.449	No
	Right Tilt	0.160	0.128		0.288	No
Head	Left Touch	0.336		0.063	0.399	No
	Left Tilt	0.209		0.059	0.268	No
	Right Touch	0.326		0.030	0.356	No
	Right Tilt	0.160		0.030	0.190	No
Body-worn	Rear	0.296	0.123		0.419	No
	Front	0.311	0.063		0.374	No
	Rear	0.296		0.007	0.303	No
	Front	0.311		0.006	0.317	No

Note:

·According to KDB 447498 D01 General RF Exposure Guidance, when the simultaneous transmission SAR is less than1.6 W/kg, SPLSR assessment is not required.
·SPLSR mean is “The SAR to Peak Location Separation Ratio “

Sum of the SAR for LTE Band 25 &5.5GHz Wi-Fi & BT:

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 25	5.5GHz Wi-Fi DTS Band	Bluetooth(BR&EDR)		
Head	Left Touch	0.215	0.111		0.326	No
	Left Tilt	0.076	0.079		0.155	No
	Right Touch	0.173	0.123		0.296	No
	Right Tilt	0.084	0.128		0.212	No
Head	Left Touch	0.215		0.063	0.278	No
	Left Tilt	0.076		0.059	0.135	No
	Right Touch	0.173		0.030	0.203	No
	Right Tilt	0.084		0.030	0.114	No
Body-worn	Rear	0.972	0.123		1.095	No
	Front	0.804	0.063		0.867	No
	Rear	0.972		0.007	0.979	No
	Front	0.804		0.006	0.810	No

Note:

·According to KDB 447498 D01 General RF Exposure Guidance, when the simultaneous transmission SAR is less than1.6 W/kg, SPLSR assessment is not required.
·SPLSR mean is “The SAR to Peak Location Separation Ratio “

Sum of the SAR for LTE Band 26A &5.5GHz Wi-Fi & BT:

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 26	5.5GHz Wi-Fi DTS Band	Bluetooth(BR&EDR)		
Head	Left Touch	0.163	0.111		0.274	No
	Left Tilt	0.091	0.079		0.170	No
	Right Touch	0.139	0.123		0.262	No
	Right Tilt	0.098	0.128		0.226	No
Head	Left Touch	0.163		0.063	0.226	No
	Left Tilt	0.091		0.059	0.150	No
	Right Touch	0.139		0.030	0.169	No
	Right Tilt	0.098		0.030	0.128	No
Body-worn	Rear	0.613	0.123		0.736	No
	Front	0.543	0.063		0.606	No
	Rear	0.613		0.007	0.620	No
	Front	0.543		0.006	0.549	No

Note:

·According to KDB 447498 D01 General RF Exposure Guidance, when the simultaneous transmission SAR is less than1.6 W/kg, SPLSR assessment is not required.
·SPLSR mean is “The SAR to Peak Location Separation Ratio “

Sum of the SAR for LTE Band 38 &5.5GHz Wi-Fi & BT:

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 38	5.5GHz Wi-Fi DTS Band	Bluetooth(BR&EDR)		
Head	Left Touch	0.149	0.111		0.260	No
	Left Tilt	0.063	0.079		0.142	No
	Right Touch	0.087	0.123		0.210	No
	Right Tilt	0.091	0.128		0.219	No
Head	Left Touch	0.149		0.063	0.212	No
	Left Tilt	0.063		0.059	0.122	No
	Right Touch	0.087		0.030	0.117	No
	Right Tilt	0.091		0.030	0.121	No
Body-worn	Rear	0.604	0.123		0.727	No
	Front	0.213	0.063		0.276	No
	Rear	0.604		0.007	0.611	No
	Front	0.213		0.006	0.219	No

Note:

·According to KDB 447498 D01 General RF Exposure Guidance, when the simultaneous transmission SAR is less than1.6 W/kg, SPLSR assessment is not required.
·SPLSR mean is “The SAR to Peak Location Separation Ratio “

Sum of the SAR for LTE Band 40-Lower Side &5.5GHz Wi-Fi & BT:

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 40- Lower Side	5.5GHz Wi-Fi DTS Band	Bluetooth(BR&EDR)		
Head	Left Touch	0.125	0.111		0.236	No
	Left Tilt	0.057	0.079		0.136	No
	Right Touch	0.085	0.123		0.208	No
	Right Tilt	0.074	0.128		0.202	No
Head	Left Touch	0.125		0.063	0.188	No
	Left Tilt	0.057		0.059	0.116	No
	Right Touch	0.085		0.030	0.115	No
	Right Tilt	0.074		0.030	0.104	No
Body-worn	Rear	1.174	0.123		1.297	No
	Front	1.162	0.063		1.225	No
	Rear	1.174		0.007	1.181	No
	Front	1.162		0.006	1.168	No

Note:

·According to KDB 447498 D01 General RF Exposure Guidance, when the simultaneous transmission SAR is less than1.6 W/kg, SPLSR assessment is not required.
·SPLSR mean is “The SAR to Peak Location Separation Ratio “

Sum of the SAR for LTE Band 40-Upper Side &5.5GHz Wi-Fi & BT:

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 40-Upper Side	5.5GHz Wi-Fi DTS Band	Bluetooth(BR&EDR)		
Head	Left Touch	0.113	0.111		0.224	No
	Left Tilt	0.048	0.079		0.127	No
	Right Touch	0.073	0.123		0.196	No
	Right Tilt	0.059	0.128		0.187	No
Head	Left Touch	0.113		0.063	0.176	No
	Left Tilt	0.048		0.059	0.107	No
	Right Touch	0.073		0.030	0.103	No
	Right Tilt	0.059		0.030	0.089	No
Body-worn	Rear	0.737	0.123		0.860	No
	Front	0.103	0.063		0.166	No
	Rear	0.737		0.007	0.744	No
	Front	0.103		0.006	0.109	No

Note:

·According to KDB 447498 D01 General RF Exposure Guidance, when the simultaneous transmission SAR is less than1.6 W/kg, SPLSR assessment is not required.
·SPLSR mean is “The SAR to Peak Location Separation Ratio “

Sum of the SAR for LTE Band 41 &5.5GHz Wi-Fi & BT:

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 41	5.5GHz Wi-Fi DTS Band	Bluetooth(BR&EDR)		
Head	Left Touch	0.164	0.111		0.275	No
	Left Tilt	0.068	0.079		0.147	No
	Right Touch	0.092	0.123		0.215	No
	Right Tilt	0.099	0.128		0.227	No
Head	Left Touch	0.164		0.063	0.227	No
	Left Tilt	0.068		0.059	0.127	No
	Right Touch	0.092		0.030	0.122	No
	Right Tilt	0.099		0.030	0.129	No
Body-worn	Rear	0.561	0.123		0.684	No
	Front	0.234	0.063		0.297	No
	Rear	0.561		0.007	0.568	No
	Front	0.234		0.006	0.240	No

Note:

·According to KDB 447498 D01 General RF Exposure Guidance, when the simultaneous transmission SAR is less than1.6 W/kg, SPLSR assessment is not required.
·SPLSR mean is “The SAR to Peak Location Separation Ratio “

Sum of the SAR for LTE Band 66 & 5.5GHz Wi-Fi & BT:

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 66	5.5GHz Wi-Fi DTS Band	Bluetooth(BR&EDR)		
Head	Left Touch	0.155	0.111		0.266	No
	Left Tilt	0.087	0.079		0.166	No
	Right Touch	0.132	0.123		0.255	No
	Right Tilt	0.093	0.128		0.221	No
Head	Left Touch	0.155		0.063	0.218	No
	Left Tilt	0.087		0.059	0.146	No
	Right Touch	0.132		0.030	0.162	No
	Right Tilt	0.093		0.030	0.123	No
Body-worn	Rear	0.583	0.123		0.706	No
	Front	0.516	0.063		0.579	No
	Rear	0.583		0.007	0.590	No
	Front	0.516		0.006	0.522	No

Note:

·According to KDB 447498 D01 General RF Exposure Guidance, when the simultaneous transmission SAR is less than1.6 W/kg, SPLSR assessment is not required.
·SPLSR mean is “The SAR to Peak Location Separation Ratio “

Sum of the SAR for GSM 850 &5.8GHz Wi-Fi & BT:

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		GSM 850	5.8GHz WI-Fi DTS Band	Bluetooth(BR&EDR)		
Head (voice)	Left Touch	0.262	0.138		0.400	No
	Left Tilt	0.183	0.090		0.273	No
	Right Touch	0.240	0.082		0.322	No
	Right Tilt	0.214	0.105		0.319	No
Head (voice)	Left Touch	0.262		0.063	0.325	No
	Left Tilt	0.183		0.059	0.242	No
	Right Touch	0.240		0.030	0.270	No
	Right Tilt	0.214		0.030	0.244	No
Body-worn (voice)	Rear	0.403	0.072		0.475	No
		0.403		0.007	0.410	No
	Front	0.303	0.033		0.336	No
		0.303		0.006	0.309	No
Body-worn (Data)	Rear	0.784		0.007	0.791	No
		0.784	0.072		0.856	No
	Front	0.588		0.006	0.594	No
		0.588	0.033		0.621	No

Note:

·According to KDB 447498 D01 General RF Exposure Guidance, when the simultaneous transmission SAR is less than1.6 W/kg, SPLSR assessment is not required.

·SPLSR mean is “The SAR to Peak Location Separation Ratio “

Sum of the SAR for GSM 1900 &5.8GHz Wi-Fi & BT:

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		PCS 1900	5.8GHz Wi-Fi DTS Band	Bluetooth(BR&EDR)		
Head (voice)	Left Touch	0.101	0.138		0.239	No
	Left Tilt	0.031	0.090		0.121	No
	Right Touch	0.037	0.082		0.119	No
	Right Tilt	0.024	0.105		0.129	No
Head (voice)	Left Touch	0.101		0.063	0.164	No
	Left Tilt	0.031		0.059	0.090	No
	Right Touch	0.037		0.030	0.067	No
	Right Tilt	0.024		0.030	0.054	No
Body-worn (voice)	Rear	0.374	0.072		0.446	No
		0.374		0.007	0.381	No
	Front	0.268	0.033		0.301	No
		0.268		0.006	0.274	No
Body-worn (Data)	Rear	0.590		0.007	0.597	No
		0.590	0.072		0.662	No
	Front	0.347		0.006	0.353	No
		0.347	0.033		0.380	No

Note:

·According to KDB 447498 D01 General RF Exposure Guidance, when the simultaneous transmission SAR is less than1.6 W/kg, SPLSR assessment is not required.
·SPLSR mean is “The SAR to Peak Location Separation Ratio “

Sum of the SAR for WCDMA Band II &5.8GHz Wi-Fi & BT:

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		WCDMA Band II	5.8GHz Wi-Fi DTS Band	Bluetooth(BR&EDR)		
Head	Left Touch	0.122	0.138		0.260	No
	Left Tilt	0.076	0.090		0.166	No
	Right Touch	0.105	0.082		0.187	No
	Right Tilt	0.064	0.105		0.169	No
Head	Left Touch	0.122		0.063	0.185	No
	Left Tilt	0.076		0.059	0.135	No
	Right Touch	0.105		0.030	0.135	No
	Right Tilt	0.064		0.030	0.094	No
Body-worn	Rear	1.153	0.072		1.225	No
	Front	0.740	0.033		0.773	No
	Rear	1.153		0.007	1.160	No
	Front	0.740		0.006	0.746	No

Note:

·According to KDB 447498 D01 General RF Exposure Guidance, when the simultaneous transmission SAR is less than1.6 W/kg, SPLSR assessment is not required.
·SPLSR mean is “The SAR to Peak Location Separation Ratio “

Sum of the SAR for WCDMA Band IV &5.8GHz Wi-Fi & BT:

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		WCDMA Band IV	5.8GHz Wi-Fi DTS Band	Bluetooth(BR&EDR)		
Head	Left Touch	0.251	0.138		0.389	No
	Left Tilt	0.114	0.090		0.204	No
	Right Touch	0.175	0.082		0.257	No
	Right Tilt	0.087	0.105		0.192	No
Head	Left Touch	0.251		0.063	0.314	No
	Left Tilt	0.114		0.059	0.173	No
	Right Touch	0.175		0.030	0.205	No
	Right Tilt	0.087		0.030	0.117	No
Body-worn	Rear	0.366	0.072		0.438	No
	Front	0.334	0.033		0.367	No
	Rear	0.366		0.007	0.373	No
	Front	0.334		0.006	0.340	No

Note:

·According to KDB 447498 D01 General RF Exposure Guidance, when the simultaneous transmission SAR is less than1.6 W/kg, SPLSR assessment is not required.
·SPLSR mean is “The SAR to Peak Location Separation Ratio “

Sum of the SAR for WCDMA Band V &5.8GHz Wi-Fi & BT:

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		WCDMA Band V	5.8GHz Wi-Fi DTS Band	Bluetooth(BR&EDR)		
Head	Left Touch	0.234	0.138		0.372	No
	Left Tilt	0.122	0.090		0.212	No
	Right Touch	0.226	0.082		0.308	No
	Right Tilt	0.165	0.105		0.270	No
Head	Left Touch	0.234		0.063	0.297	No
	Left Tilt	0.122		0.059	0.181	No
	Right Touch	0.226		0.030	0.256	No
	Right Tilt	0.165		0.030	0.195	No
Body-worn	Rear	0.335	0.072		0.407	No
	Front	0.276	0.033		0.309	No
	Rear	0.335		0.007	0.342	No
	Front	0.276		0.006	0.282	No

Note:

·According to KDB 447498 D01 General RF Exposure Guidance, when the simultaneous transmission SAR is less than1.6 W/kg, SPLSR assessment is not required.
·SPLSR mean is “The SAR to Peak Location Separation Ratio “

Sum of the SAR for LTE Band 2 &5.8GHz Wi-Fi & BT:

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 2	5.8GHz Wi-Fi DTS Band	Bluetooth(BR&EDR)		
Head	Left Touch	0.285	0.138		0.423	No
	Left Tilt	0.084	0.090		0.174	No
	Right Touch	0.191	0.082		0.273	No
	Right Tilt	0.086	0.105		0.191	No
Head	Left Touch	0.285		0.063	0.348	No
	Left Tilt	0.084		0.059	0.143	No
	Right Touch	0.191		0.030	0.221	No
	Right Tilt	0.086		0.030	0.116	No
Body-worn	Rear	1.100	0.072		1.172	No
	Front	0.727	0.033		0.760	No
	Rear	1.100		0.007	1.107	No
	Front	0.727		0.006	0.733	No

Note:

·According to KDB 447498 D01 General RF Exposure Guidance, when the simultaneous transmission SAR is less than1.6 W/kg, SPLSR assessment is not required.
·SPLSR mean is “The SAR to Peak Location Separation Ratio “

Sum of the SAR for LTE Band 4 &5.8GHz Wi-Fi & BT:

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 4	5.8GHz Wi-Fi DTS Band	Bluetooth(BR&EDR)		
Head	Left Touch	0.279	0.138		0.417	No
	Left Tilt	0.138	0.090		0.228	No
	Right Touch	0.319	0.082		0.401	No
	Right Tilt	0.122	0.105		0.227	No
Head	Left Touch	0.279		0.063	0.342	No
	Left Tilt	0.138		0.059	0.197	No
	Right Touch	0.319		0.030	0.349	No
	Right Tilt	0.122		0.030	0.152	No
Body-worn	Rear	0.572	0.072		0.644	No
	Front	0.541	0.033		0.574	No
	Rear	0.572		0.007	0.579	No
	Front	0.541		0.006	0.547	No

Note:

·According to KDB 447498 D01 General RF Exposure Guidance, when the simultaneous transmission SAR is less than1.6 W/kg, SPLSR assessment is not required.
·SPLSR mean is “The SAR to Peak Location Separation Ratio “

Sum of the SAR for LTE Band 5 &5.8GHz Wi-Fi & BT:

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 5	5.8GHz Wi-Fi DTS Band	Bluetooth(BR&EDR)		
Head	Left Touch	0.313	0.138		0.451	No
	Left Tilt	0.172	0.090		0.262	No
	Right Touch	0.305	0.082		0.387	No
	Right Tilt	0.212	0.105		0.317	No
Head	Left Touch	0.313		0.063	0.376	No
	Left Tilt	0.172		0.059	0.231	No
	Right Touch	0.305		0.030	0.335	No
	Right Tilt	0.212		0.030	0.242	No
Body-worn	Rear	0.375	0.072		0.447	No
	Front	0.469	0.033		0.502	No
	Rear	0.375		0.007	0.382	No
	Front	0.469		0.006	0.475	No

Note:

·According to KDB 447498 D01 General RF Exposure Guidance, when the simultaneous transmission SAR is less than1.6 W/kg, SPLSR assessment is not required.
·SPLSR mean is “The SAR to Peak Location Separation Ratio “

Sum of the SAR for LTE Band 12 &5.8GHz Wi-Fi & BT:

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 12	5.8GHz Wi-Fi DTS Band	Bluetooth(BR&EDR)		
Head	Left Touch	0.250	0.138		0.388	No
	Left Tilt	0.181	0.090		0.271	No
	Right Touch	0.200	0.082		0.282	No
	Right Tilt	0.154	0.105		0.259	No
Head	Left Touch	0.250		0.063	0.313	No
	Left Tilt	0.181		0.059	0.240	No
	Right Touch	0.200		0.030	0.230	No
	Right Tilt	0.154		0.030	0.184	No
Body-worn	Rear	0.347	0.072		0.419	No
	Front	0.307	0.033		0.340	No
	Rear	0.347		0.007	0.354	No
	Front	0.307		0.006	0.313	No

Note:

·According to KDB 447498 D01 General RF Exposure Guidance, when the simultaneous transmission SAR is less than1.6 W/kg, SPLSR assessment is not required.
·SPLSR mean is “The SAR to Peak Location Separation Ratio “

Sum of the SAR for LTE Band 13 &5.8GHz Wi-Fi & BT:

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 13	5.8GHz Wi-Fi DTS Band	Bluetooth(BR&EDR)		
Head	Left Touch	0.182	0.138		0.320	No
	Left Tilt	0.092	0.090		0.182	No
	Right Touch	0.158	0.082		0.240	No
	Right Tilt	0.123	0.105		0.228	No
Head	Left Touch	0.182		0.063	0.245	No
	Left Tilt	0.092		0.059	0.151	No
	Right Touch	0.158		0.030	0.188	No
	Right Tilt	0.123		0.030	0.153	No
Body-worn	Rear	0.223	0.072		0.295	No
	Front	0.157	0.033		0.190	No
	Rear	0.223		0.007	0.230	No
	Front	0.157		0.006	0.163	No

Note:

·According to KDB 447498 D01 General RF Exposure Guidance, when the simultaneous transmission SAR is less than1.6 W/kg, SPLSR assessment is not required.
·SPLSR mean is “The SAR to Peak Location Separation Ratio “

Sum of the SAR for LTE Band 17 &5.8GHz Wi-Fi & BT:

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 17	5.8GHz Wi-Fi DTS Band	Bluetooth(BR&EDR)		
Head	Left Touch	0.226	0.138		0.364	No
	Left Tilt	0.106	0.090		0.196	No
	Right Touch	0.224	0.082		0.306	No
	Right Tilt	0.180	0.105		0.285	No
Head	Left Touch	0.226		0.063	0.289	No
	Left Tilt	0.106		0.059	0.165	No
	Right Touch	0.224		0.030	0.254	No
	Right Tilt	0.180		0.030	0.210	No
Body-worn	Rear	0.368	0.072		0.440	No
	Front	0.282	0.033		0.315	No
	Rear	0.368		0.007	0.375	No
	Front	0.282		0.006	0.288	No

Note:

·According to KDB 447498 D01 General RF Exposure Guidance, when the simultaneous transmission SAR is less than1.6 W/kg, SPLSR assessment is not required.
·SPLSR mean is “The SAR to Peak Location Separation Ratio “

Sum of the SAR for LTE Band 18 &5.8GHz Wi-Fi & BT:

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 18	5.8GHz Wi-Fi DTS Band	Bluetooth(BR&EDR)		
Head	Left Touch	0.302	0.138		0.440	No
	Left Tilt	0.165	0.090		0.255	No
	Right Touch	0.284	0.082		0.366	No
	Right Tilt	0.124	0.105		0.229	No
Head	Left Touch	0.302		0.063	0.365	No
	Left Tilt	0.165		0.059	0.224	No
	Right Touch	0.284		0.030	0.314	No
	Right Tilt	0.124		0.030	0.154	No
Body-worn	Rear	0.204	0.072		0.276	No
	Front	0.319	0.033		0.352	No
	Rear	0.204		0.007	0.211	No
	Front	0.319		0.006	0.325	No

Note:

·According to KDB 447498 D01 General RF Exposure Guidance, when the simultaneous transmission SAR is less than1.6 W/kg, SPLSR assessment is not required.
·SPLSR mean is “The SAR to Peak Location Separation Ratio “

Sum of the SAR for LTE Band 19 &5.8GHz Wi-Fi & BT:

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 19	5.8GHz Wi-Fi DTS Band	Bluetooth(BR&EDR)		
Head	Left Touch	0.336	0.138		0.474	No
	Left Tilt	0.209	0.090		0.299	No
	Right Touch	0.326	0.082		0.408	No
	Right Tilt	0.160	0.105		0.265	No
Head	Left Touch	0.336		0.063	0.399	No
	Left Tilt	0.209		0.059	0.268	No
	Right Touch	0.326		0.030	0.356	No
	Right Tilt	0.160		0.030	0.190	No
Body-worn	Rear	0.296	0.072		0.368	No
	Front	0.311	0.033		0.344	No
	Rear	0.296		0.007	0.303	No
	Front	0.311		0.006	0.317	No

Note:

·According to KDB 447498 D01 General RF Exposure Guidance, when the simultaneous transmission SAR is less than1.6 W/kg, SPLSR assessment is not required.
·SPLSR mean is “The SAR to Peak Location Separation Ratio “

Sum of the SAR for LTE Band 25 &5.8GHz Wi-Fi & BT:

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 25	5.8GHz Wi-Fi DTS Band	Bluetooth(BR&EDR)		
Head	Left Touch	0.215	0.138		0.353	No
	Left Tilt	0.076	0.090		0.166	No
	Right Touch	0.173	0.082		0.255	No
	Right Tilt	0.084	0.105		0.189	No
Head	Left Touch	0.215		0.063	0.278	No
	Left Tilt	0.076		0.059	0.135	No
	Right Touch	0.173		0.030	0.203	No
	Right Tilt	0.084		0.030	0.114	No
Body-worn	Rear	0.972	0.072		1.044	No
	Front	0.804	0.033		0.837	No
	Rear	0.972		0.007	0.979	No
	Front	0.804		0.006	0.810	No

Note:

·According to KDB 447498 D01 General RF Exposure Guidance, when the simultaneous transmission SAR is less than1.6 W/kg, SPLSR assessment is not required.
·SPLSR mean is “The SAR to Peak Location Separation Ratio “

Sum of the SAR for LTE Band 26A &5.8GHz Wi-Fi & BT:

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 26	5.8GHz Wi-Fi DTS Band	Bluetooth(BR&EDR)		
Head	Left Touch	0.163	0.138		0.301	No
	Left Tilt	0.091	0.090		0.181	No
	Right Touch	0.139	0.082		0.221	No
	Right Tilt	0.098	0.105		0.203	No
Head	Left Touch	0.163		0.063	0.226	No
	Left Tilt	0.091		0.059	0.150	No
	Right Touch	0.139		0.030	0.169	No
	Right Tilt	0.098		0.030	0.128	No
Body-worn	Rear	0.613	0.072		0.685	No
	Front	0.543	0.033		0.576	No
	Rear	0.613		0.007	0.620	No
	Front	0.543		0.006	0.549	No

Note:

·According to KDB 447498 D01 General RF Exposure Guidance, when the simultaneous transmission SAR is less than1.6 W/kg, SPLSR assessment is not required.
·SPLSR mean is “The SAR to Peak Location Separation Ratio “

Sum of the SAR for LTE Band 38 &5.8GHz Wi-Fi & BT:

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 38	5.8GHz Wi-Fi DTS Band	Bluetooth(BR&EDR)		
Head	Left Touch	0.149	0.138		0.287	No
	Left Tilt	0.063	0.090		0.153	No
	Right Touch	0.087	0.082		0.169	No
	Right Tilt	0.091	0.105		0.196	No
Head	Left Touch	0.149		0.063	0.212	No
	Left Tilt	0.063		0.059	0.122	No
	Right Touch	0.087		0.030	0.117	No
	Right Tilt	0.091		0.030	0.121	No
Body-worn	Rear	0.604	0.072		0.676	No
	Front	0.213	0.033		0.246	No
	Rear	0.604		0.007	0.611	No
	Front	0.213		0.006	0.219	No

Note:

·According to KDB 447498 D01 General RF Exposure Guidance, when the simultaneous transmission SAR is less than1.6 W/kg, SPLSR assessment is not required.
·SPLSR mean is “The SAR to Peak Location Separation Ratio “

Sum of the SAR for LTE Band 40-Lower Side &5.8GHz Wi-Fi & BT:

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 40- Lower Side	5.8GHz Wi-Fi DTS Band	Bluetooth(BR&EDR)		
Head	Left Touch	0.125	0.138		0.263	No
	Left Tilt	0.057	0.090		0.147	No
	Right Touch	0.085	0.082		0.167	No
	Right Tilt	0.074	0.105		0.179	No
Head	Left Touch	0.125		0.063	0.188	No
	Left Tilt	0.057		0.059	0.116	No
	Right Touch	0.085		0.030	0.115	No
	Right Tilt	0.074		0.030	0.104	No
Body-worn	Rear	1.174	0.072		1.246	No
	Front	1.162	0.033		1.195	No
	Rear	1.174		0.007	1.181	No
	Front	1.162		0.006	1.168	No

Note:

·According to KDB 447498 D01 General RF Exposure Guidance, when the simultaneous transmission SAR is less than1.6 W/kg, SPLSR assessment is not required.
·SPLSR mean is “The SAR to Peak Location Separation Ratio “

Sum of the SAR for LTE Band 40-Upper Side &5.8GHz Wi-Fi & BT:

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 40-Upper Side	5.8GHz Wi-Fi DTS Band	Bluetooth(BR&EDR)		
Head	Left Touch	0.113	0.138		0.251	No
	Left Tilt	0.048	0.090		0.138	No
	Right Touch	0.073	0.082		0.155	No
	Right Tilt	0.059	0.105		0.164	No
Head	Left Touch	0.113		0.063	0.176	No
	Left Tilt	0.048		0.059	0.107	No
	Right Touch	0.073		0.030	0.103	No
	Right Tilt	0.059		0.030	0.089	No
Body-worn	Rear	0.737	0.072		0.809	No
	Front	0.103	0.033		0.136	No
	Rear	0.737		0.007	0.744	No
	Front	0.103		0.006	0.109	No

Note:

·According to KDB 447498 D01 General RF Exposure Guidance, when the simultaneous transmission SAR is less than1.6 W/kg, SPLSR assessment is not required.
·SPLSR mean is “The SAR to Peak Location Separation Ratio “

Sum of the SAR for LTE Band 41 &5.8GHz Wi-Fi & BT:

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 41	5.8GHz Wi-Fi DTS Band	Bluetooth(BR&EDR)		
Head	Left Touch	0.164	0.138		0.302	No
	Left Tilt	0.068	0.090		0.158	No
	Right Touch	0.092	0.082		0.174	No
	Right Tilt	0.099	0.105		0.204	No
Head	Left Touch	0.164		0.063	0.227	No
	Left Tilt	0.068		0.059	0.127	No
	Right Touch	0.092		0.030	0.122	No
	Right Tilt	0.099		0.030	0.129	No
Body-worn	Rear	0.561	0.072		0.633	No
	Front	0.234	0.033		0.267	No
	Rear	0.561		0.007	0.568	No
	Front	0.234		0.006	0.240	No

Note:

·According to KDB 447498 D01 General RF Exposure Guidance, when the simultaneous transmission SAR is less than1.6 W/kg, SPLSR assessment is not required.
·SPLSR mean is “The SAR to Peak Location Separation Ratio “

Sum of the SAR for LTE Band 66 & 5.8GHz Wi-Fi & BT:

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 66	5.8GHz Wi-Fi DTS Band	Bluetooth(BR&EDR)		
Head	Left Touch	0.155	0.138		0.293	No
	Left Tilt	0.087	0.090		0.177	No
	Right Touch	0.132	0.082		0.214	No
	Right Tilt	0.093	0.105		0.198	No
Head	Left Touch	0.155		0.063	0.218	No
	Left Tilt	0.087		0.059	0.146	No
	Right Touch	0.132		0.030	0.162	No
	Right Tilt	0.093		0.030	0.123	No
Body-worn	Rear	0.583	0.072		0.655	No
	Front	0.516	0.033		0.549	No
	Rear	0.583		0.007	0.590	No
	Front	0.516		0.006	0.522	No

Note:

·According to KDB 447498 D01 General RF Exposure Guidance, when the simultaneous transmission SAR is less than1.6 W/kg, SPLSR assessment is not required.
·SPLSR mean is “The SAR to Peak Location Separation Ratio “

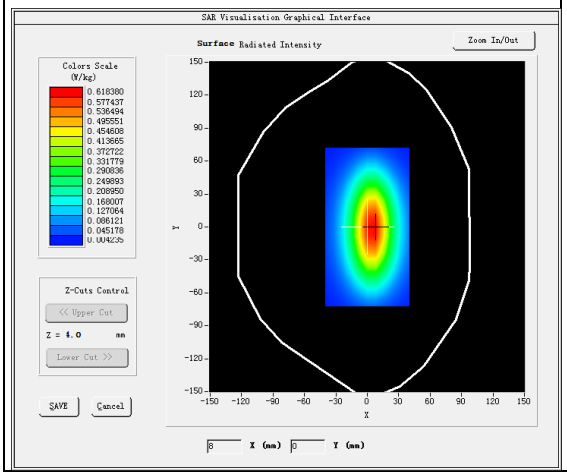
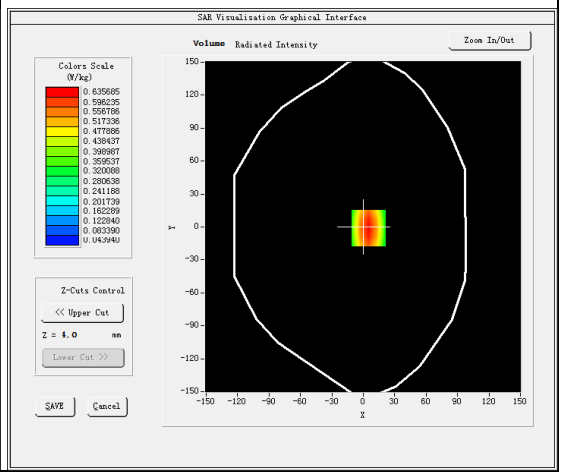
APPENDIX A. SAR SYSTEM CHECK DATA

Test Laboratory: AGC Lab **Date: Jun. 25, 2022**
System Check Head 750 MHz
DUT: Dipole 750 MHz Type: SID 750
Communication System CW; Communication System Band: D750 (750.0 MHz); Duty Cycle: 1:1; Conv.F=1.39
Frequency: 750 MHz; Medium parameters used: f = 750 MHz; σ=0.92 mho/m; εr =40.85; ρ= 1000 kg/m³ ;
Phantom section: Flat Section; Input Power=18dBm
Ambient temperature (℃):21.2, Liquid temperature (℃): 20.7

SATIMO Configuration:

- Probe: SSE2; Calibrated: Apr. 13, 2022; Serial No.: SN 13/22 EPGO368
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V4_02_35

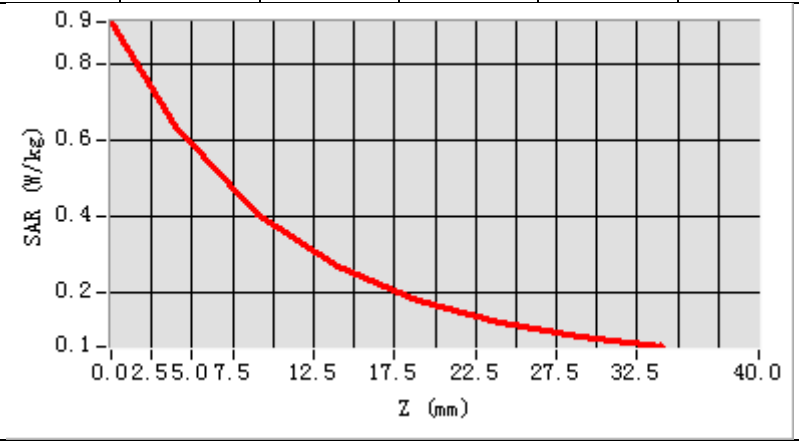
Configuration/System Check 750MHz Head/Area Scan: Measurement grid: dx=8mm, dy=8mm
Configuration/System Check 750MHz Head/Zoom Scan: Measurement grid: dx=8mm,dy=8mm, dz=5mm

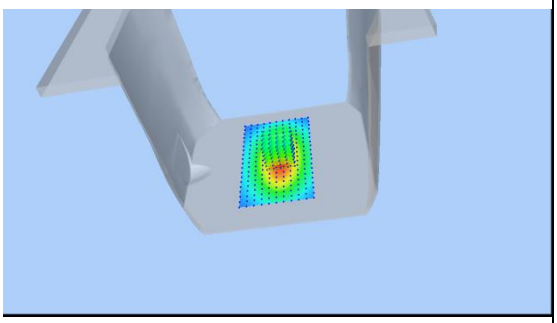
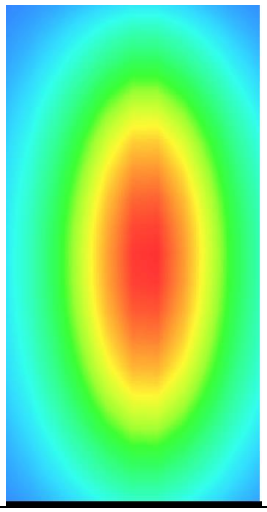
SURFACE SAR	VOLUME SAR
	

Maximum location: X=5.00, Y=-1.00
SAR Peak: 0.90 W/kg

SAR 10g (W/Kg)	0.357384
SAR 1g (W/Kg)	0.572541

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.9087	0.6365	0.4038	0.2747	0.1821	0.1275	0.0831



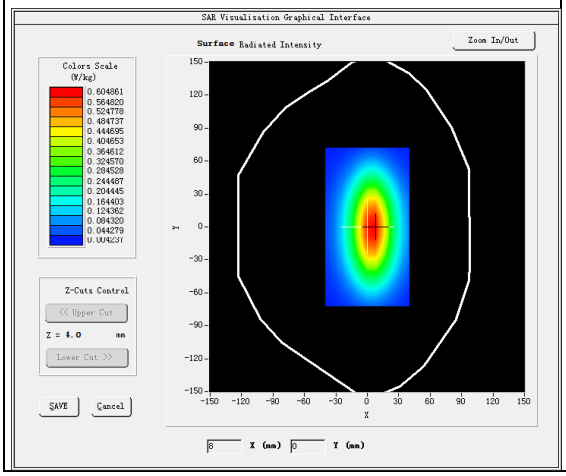
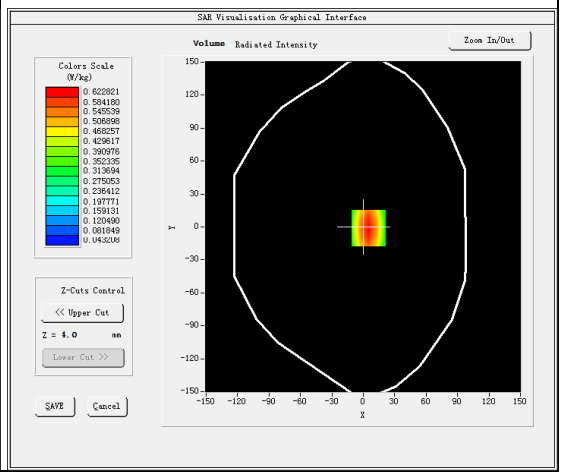
3D screen shot	Hot spot position
	

Test Laboratory: AGC Lab **Date: Jun. 11, 2022**
System Check Head 835 MHz
DUT: Dipole 835 MHz Type: SID 835
Communication System CW; Communication System Band: D835 (835.0 MHz); Duty Cycle: 1:1; Conv.F=1.42
Frequency: 835 MHz; Medium parameters used: f = 835 MHz; σ=0.87 mho/m; εr =40.34; ρ= 1000 kg/m³ ;
Phantom section: Flat Section; Input Power=18dBm
Ambient temperature (℃):21.7, Liquid temperature (℃): 21.6

SATIMO Configuration:

- Probe: SSE2; Calibrated: Apr. 13, 2022; Serial No.: SN 13/22 EPGO368
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V4_02_35

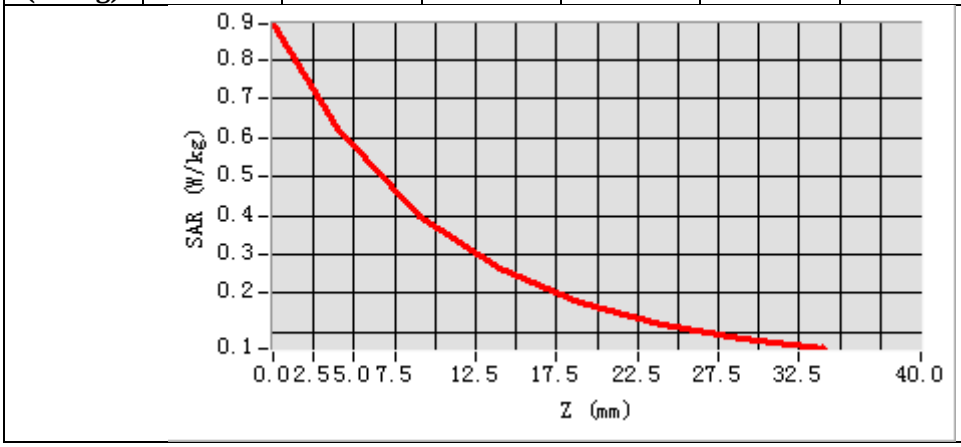
Configuration/System Check 835MHz Head/Area Scan: Measurement grid: dx=8mm, dy=8mm
Configuration/System Check 835MHz Head/Zoom Scan: Measurement grid: dx=8mm,dy=8mm, dz=5mm

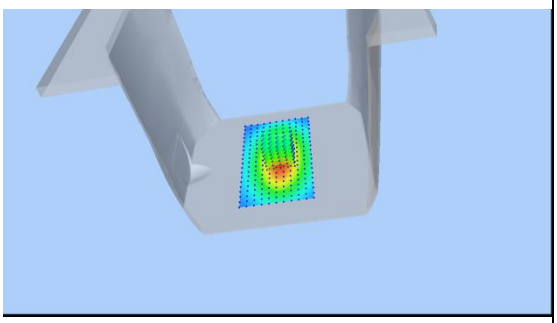
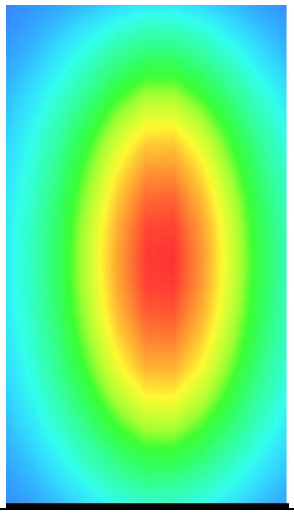
SURFACE SAR	VOLUME SAR
	

Maximum location: X=5.00, Y=-1.00
SAR Peak: 0.89 W/kg

SAR 10g (W/Kg)	0.360835
SAR 1g (W/Kg)	0.591824

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.8917	0.6250	0.3953	0.2650	0.1731	0.1261	0.0843



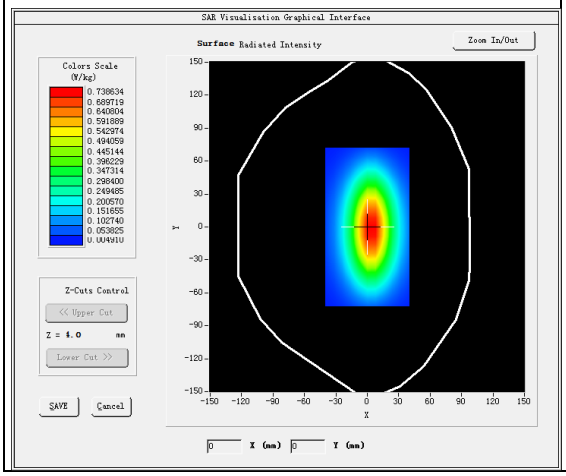
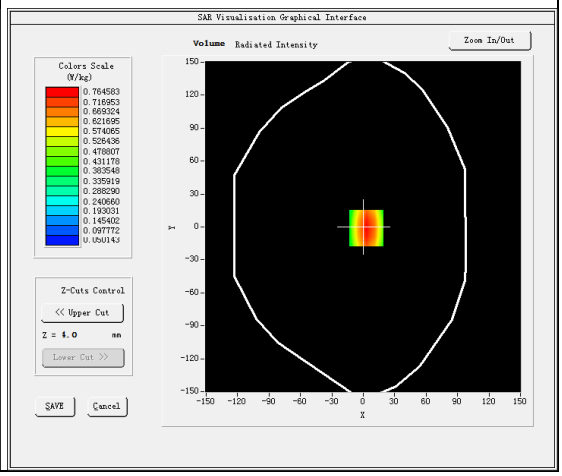
3D screen shot	Hot spot position
	

Test Laboratory: AGC Lab **Date: Jun. 12, 2022**
System Check Head 835 MHz
DUT: Dipole 835 MHz Type: SID 835
Communication System CW; Communication System Band: D835 (835.0 MHz); Duty Cycle: 1:1; Conv.F=1.42
Frequency: 835 MHz; Medium parameters used: f = 835 MHz; σ=0.89 mho/m; εr =40.90; ρ= 1000 kg/m³ ;
Phantom section: Flat Section; Input Power=18dBm
Ambient temperature (℃):21.5, Liquid temperature (℃): 21.2

SATIMO Configuration:

- Probe: SSE2; Calibrated: Apr. 13, 2022; Serial No.: SN 13/22 EPGO368
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V4_02_35

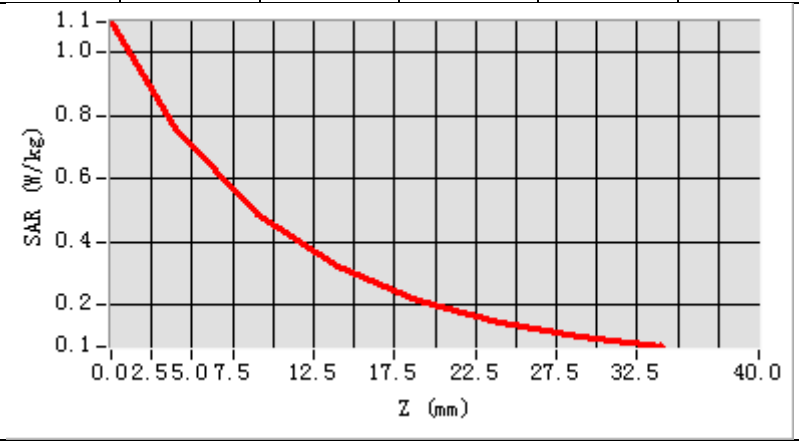
Configuration/System Check 835MHz Head/Area Scan: Measurement grid: dx=8mm, dy=8mm
Configuration/System Check 835MHz Head/Zoom Scan: Measurement grid: dx=8mm,dy=8mm, dz=5mm

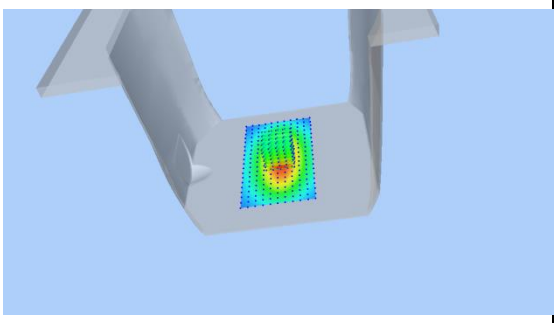
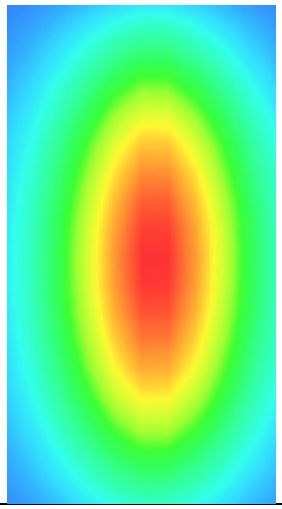
SURFACE SAR	VOLUME SAR
	

Maximum location: X=3.00, Y=-1.00
SAR Peak: 1.10 W/kg

SAR 10g (W/Kg)	0.410936
SAR 1g (W/Kg)	0.654128

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	1.0942	0.7641	0.4875	0.3214	0.2149	0.1457	0.0992



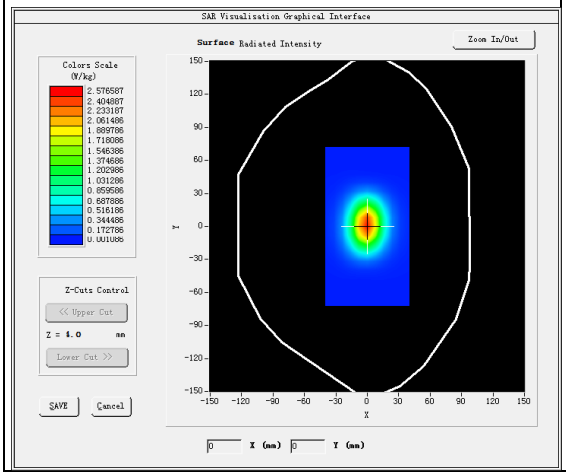
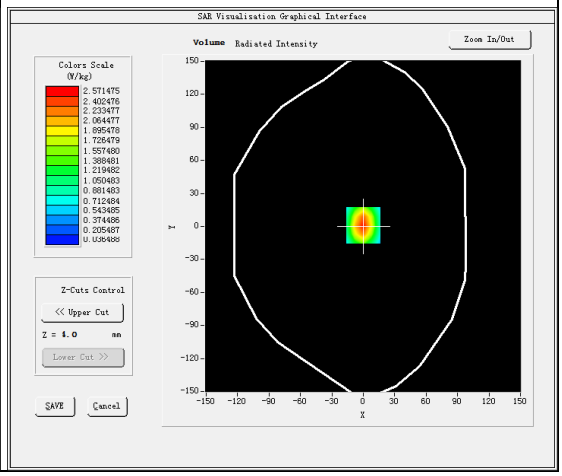
3D screen shot	Hot spot position
	

Test Laboratory: AGC Lab **Date: Jun. 21, 2022**
System Check Head 1750MHz
DUT: Dipole 1800 MHz; Type: SID 1800
Communication System: CW; Communication System Band: D1700 (1750.0 MHz); Duty Cycle:1:1; Conv.F=1.73
Frequency: 1750 MHz; Medium parameters used: f = 1750MHz; σ=1.34 mho/m; εr =41.05; ρ= 1000 kg/m³ ;
Phantom section: Flat Section; Input Power=18dBm
Ambient temperature (℃): 20.9, Liquid temperature (℃): 20.5

SATIMO Configuration:
Probe: SSE2; Calibrated: Apr. 13, 2022; Serial No.: SN 13/22 EPGO368

- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V4_02_35

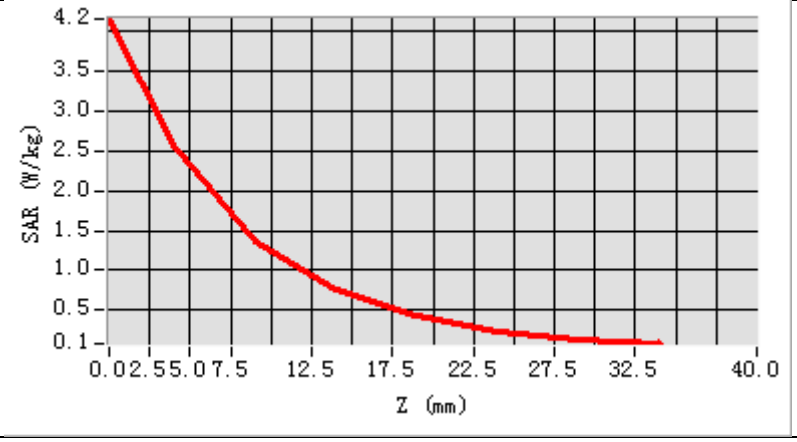
Configuration/System Check 1750MHz Head/Area Scan: Measurement grid: dx=8mm,dy=8mm
Configuration/System Check 1750MHz Head/Zoom Scan: Measurement grid: dx=8mm,dy=8mm, dz=5mm

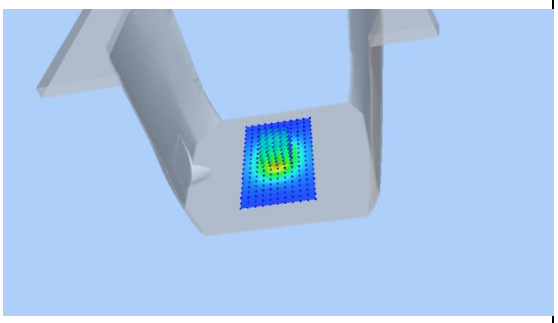
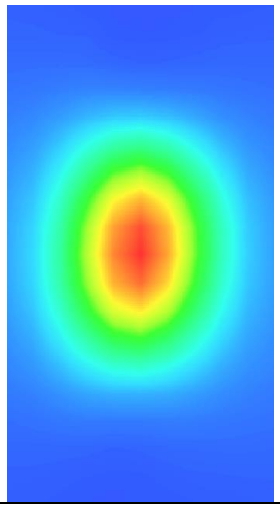
SURFACE SAR	VOLUME SAR
	

Maximum location: X=0.00, Y=1.00
SAR Peak: 4.12 W/kg

SAR 10g (W/Kg)	1.214925
SAR 1g (W/Kg)	2.403096

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	4.1485	2.5660	1.3607	0.7562	0.4280	0.2453	0.1363



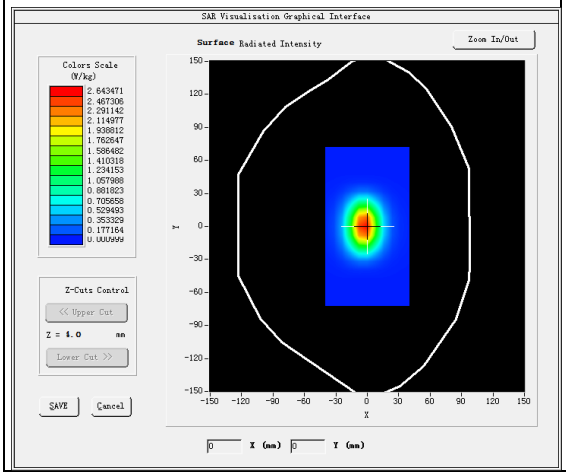
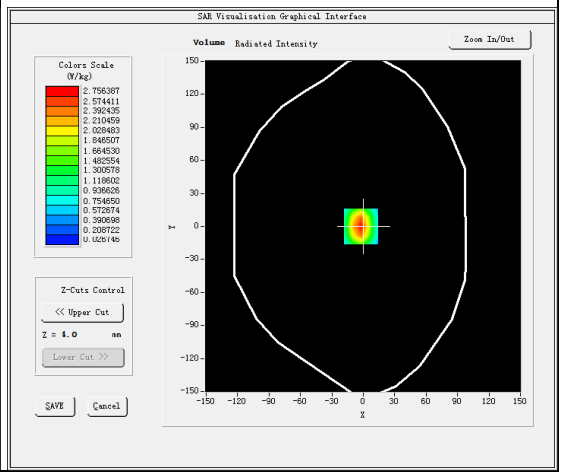
3D screen shot	Hot spot position
	

Test Laboratory: AGC Lab **Date: Jun. 19, 2022**
System Check Head 1900MHz
DUT: Dipole 1900 MHz; Type: SID 1900
Communication System: CW; Communication System Band: D1900 (1900.0 MHz); Duty Cycle:1:1; Conv.F=1.77
Frequency: 1900 MHz; Medium parameters used: f = 1900 MHz; σ=1.37 mho/m; εr =41.17; ρ= 1000 kg/m^3 ;
Phantom section: Flat Section; Input Power=18dBm
Ambient temperature (℃):21.4, Liquid temperature (℃): 20.9

SATIMO Configuration:
Probe: SSE2; Calibrated: Apr. 13, 2022; Serial No.: SN 13/22 EPGO368

- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V4_02_35

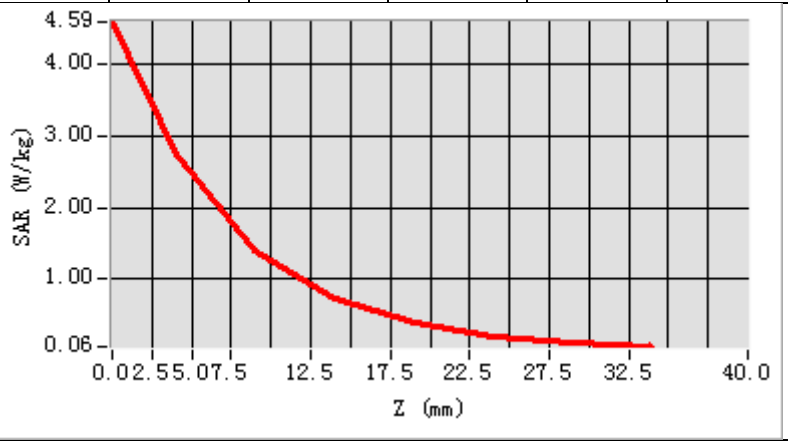
Configuration/System Check 1900MHz Head/Area Scan: Measurement grid: dx=8mm, dy=8mm
Configuration/System Check 1900MHz Head/Zoom Scan: Measurement grid: dx=8mm,dy=8mm, dz=5mm

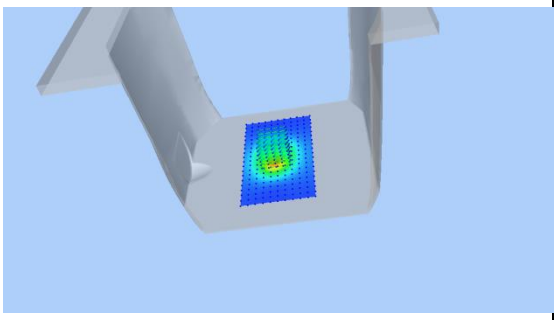
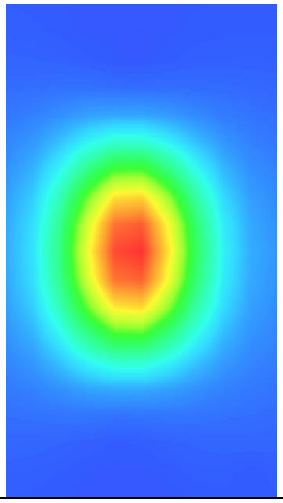
SURFACE SAR	VOLUME SAR
	

Maximum location: X=-2.00, Y=0.00
SAR Peak: 4.56 W/kg

SAR 10g (W/Kg)	1.255049
SAR 1g (W/Kg)	2.584163

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	4.5817	2.7543	1.3980	0.7404	0.3951	0.2141	0.1166



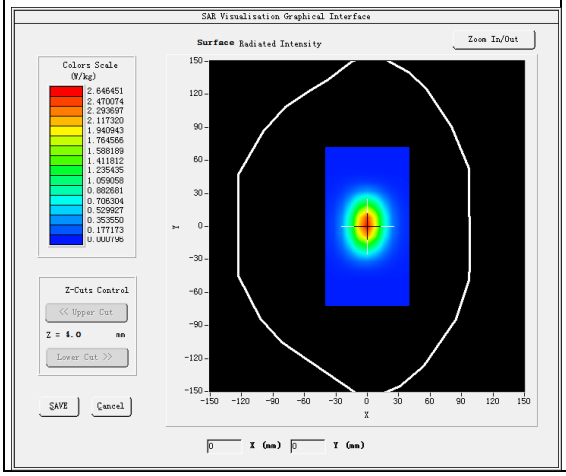
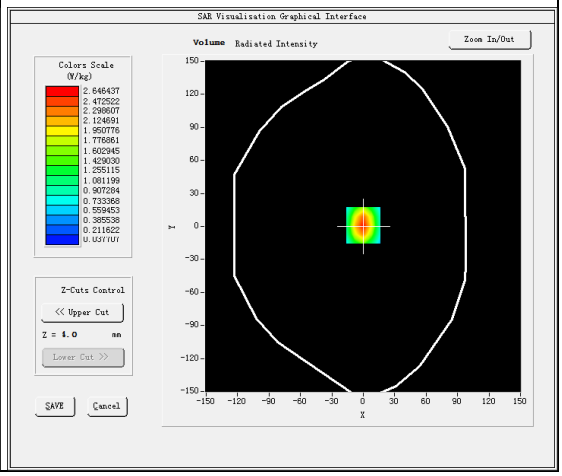
3D screen shot	Hot spot position
	

Test Laboratory: AGC Lab **Date: Jun. 20, 2022**
System Check Head 1900MHz
DUT: Dipole 1900 MHz; Type: SID 1900
Communication System: CW; Communication System Band: D1900 (1900.0 MHz); Duty Cycle:1:1; Conv.F=1.77
Frequency: 1900 MHz; Medium parameters used: f = 1900 MHz; σ=1.39 mho/m; εr =39.96; ρ= 1000 kg/m³ ;
Phantom section: Flat Section; Input Power=18dBm
Ambient temperature (℃):20.8, Liquid temperature (℃): 20.6

SATIMO Configuration:

- Probe: SSE2; Calibrated: Apr. 13, 2022; Serial No.: SN 13/22 EPGO368
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V4_02_35

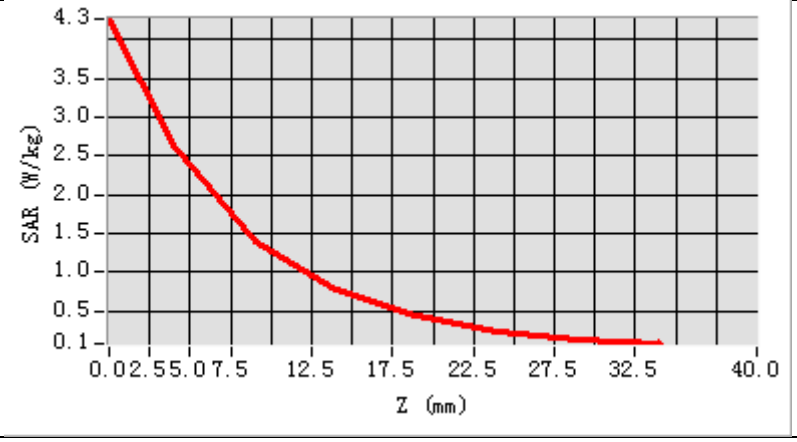
Configuration/System Check 1900MHz Head/Area Scan: Measurement grid: dx=8mm, dy=8mm
Configuration/System Check 1900MHz Head/Zoom Scan: Measurement grid: dx=8mm,dy=8mm, dz=5mm

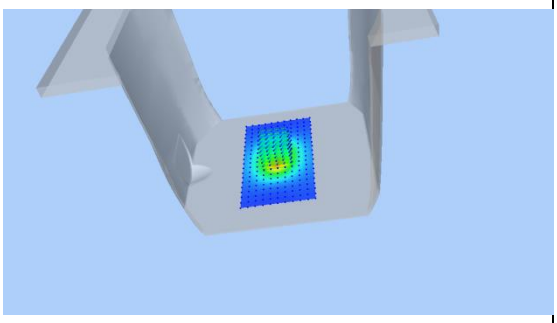
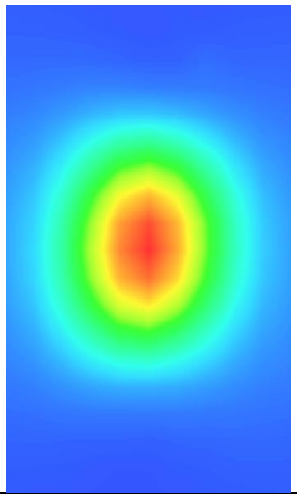
SURFACE SAR	VOLUME SAR
	

Maximum location: X=0.00, Y=1.00
SAR Peak: 4.24 W/kg

SAR 10g (W/Kg)	1.252982
SAR 1g (W/Kg)	2.480877

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	4.2694	2.6464	1.4107	0.7805	0.4366	0.2474	0.1421



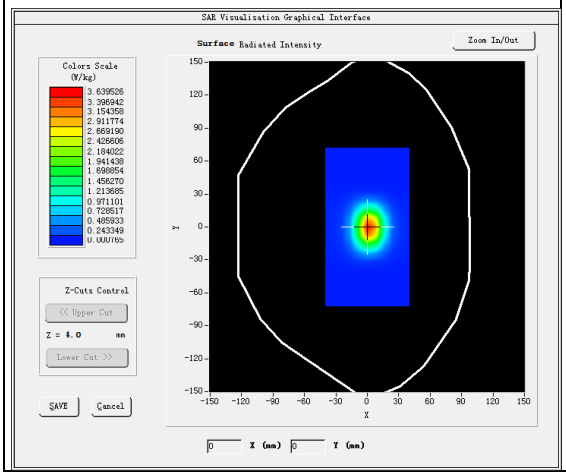
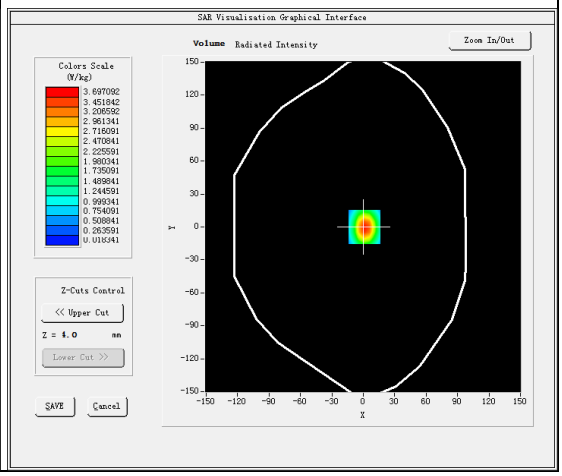
3D screen shot	Hot spot position
	

Test Laboratory: AGC Lab **Date: Jun. 23, 2022**
System Check Head 2300 MHz
DUT: Dipole 2300 MHz Type: SID 2300
Communication System CW; Communication System Band: D2300 (2300.0 MHz); Duty Cycle: 1:1; Conv.F=1.98
Frequency: 2300 MHz; Medium parameters used: f = 2300 MHz; σ=1.65 mho/m; εr =38.12; ρ= 1000 kg/m³ ;
Phantom section: Flat Section; Input Power=18dBm
Ambient temperature (℃): 20.8, Liquid temperature (℃): 20.4

SATIMO Configuration

- Probe: SSE2; Calibrated: Apr. 13, 2022; Serial No.: SN 13/22 EPGO368
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V4_02_35

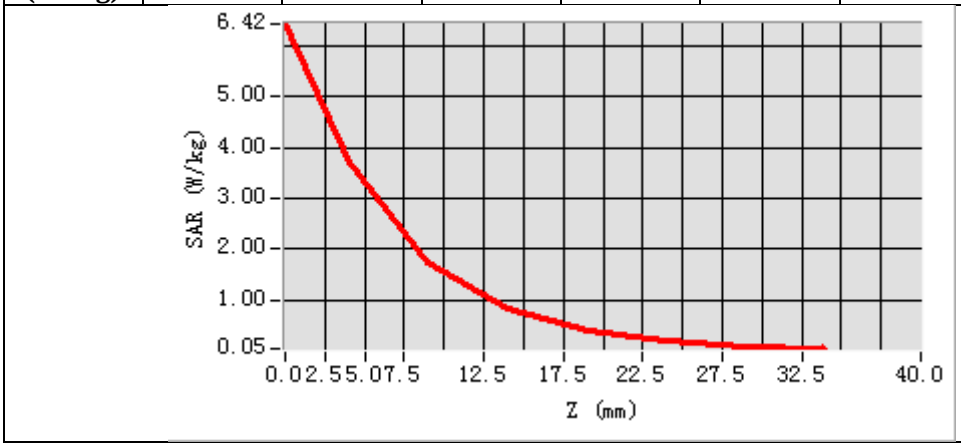
Configuration/System Check 2300MHz Head/Area Scan: Measurement grid: dx=8mm, dy=8mm
Configuration/System Check 2300MHz Head/Zoom Scan: Measurement grid: dx=5mm,dy=5mm, dz=5mm

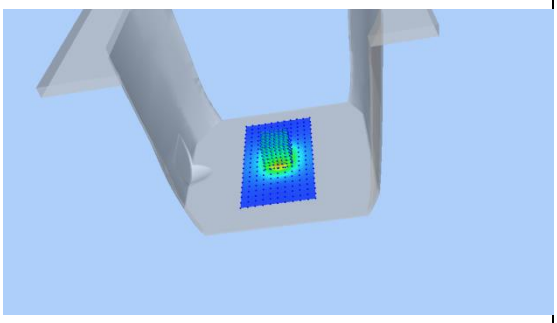
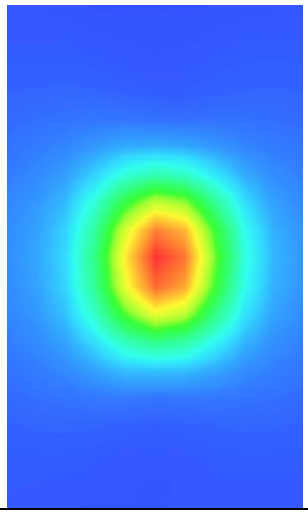
SURFACE SAR	VOLUME SAR
	

Maximum location: X=1.00, Y=0.00
SAR Peak: 6.39 W/kg

SAR 10g (W/Kg)	1.533692
SAR 1g (W/Kg)	3.417057

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	6.4203	3.6971	1.7316	0.8354	0.4061	0.2005	0.0991



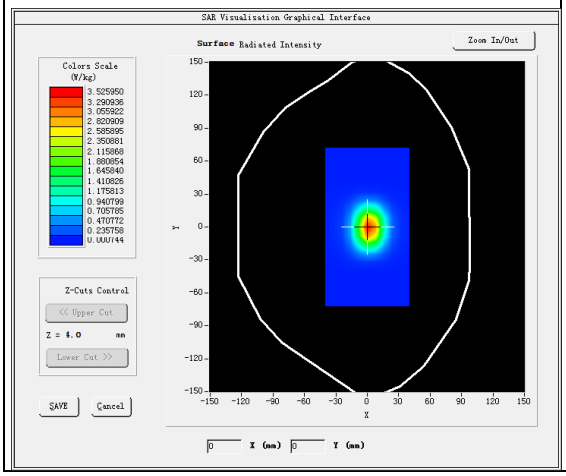
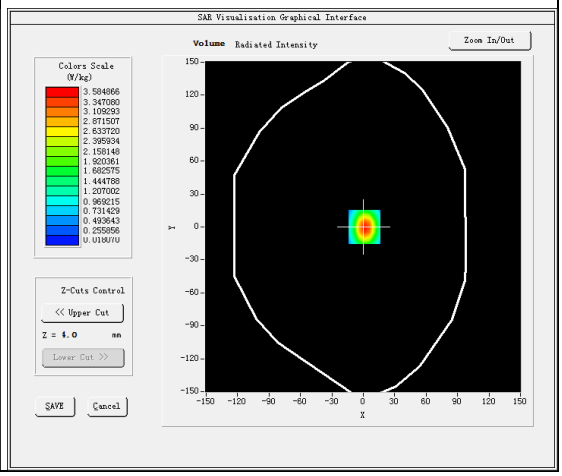
3D screen shot	Hot spot position
	

Test Laboratory: AGC Lab **Date: Jun. 24, 2022**
System Check Head 2450 MHz
DUT: Dipole 2450 MHz Type: SID 2450
Communication System CW; Communication System Band: D2450 (2450.0 MHz); Duty Cycle: 1:1; Conv.F=1.99
Frequency: 2450 MHz; Medium parameters used: f = 2450 MHz; σ=1.83 mho/m; εr =38.33; ρ= 1000 kg/m³ ;
Phantom section: Flat Section; Input Power=18dBm
Ambient temperature (℃):20.9, Liquid temperature (℃): 20.8

SATIMO Configuration

- Probe: SSE2; Calibrated: Apr. 13, 2022; Serial No.: SN 13/22 EPGO368
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V4_02_35

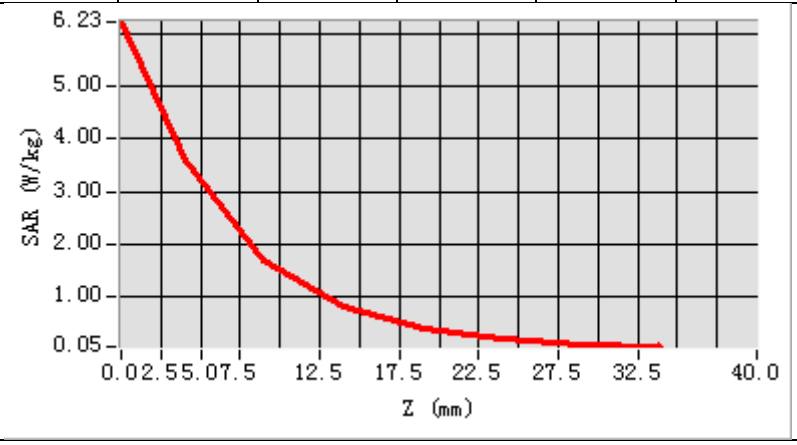
Configuration/System Check 2450MHz Head/Area Scan: Measurement grid: dx=8mm, dy=8mm
Configuration/System Check 2450MHz Head/Zoom Scan: Measurement grid: dx=5mm,dy=5mm, dz=5mm

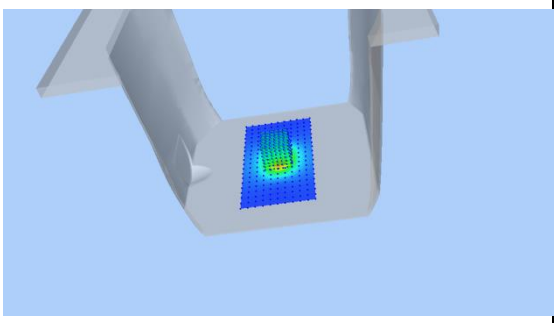
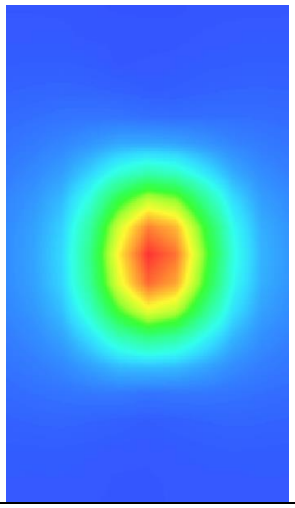
SURFACE SAR	VOLUME SAR
	

Maximum location: X=1.00, Y=0.00
SAR Peak: 6.20 W/kg

SAR 10g (W/Kg)	1.486633
SAR 1g (W/Kg)	3.313557

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	6.2255	3.5849	1.6792	0.8127	0.3953	0.1963	0.0974



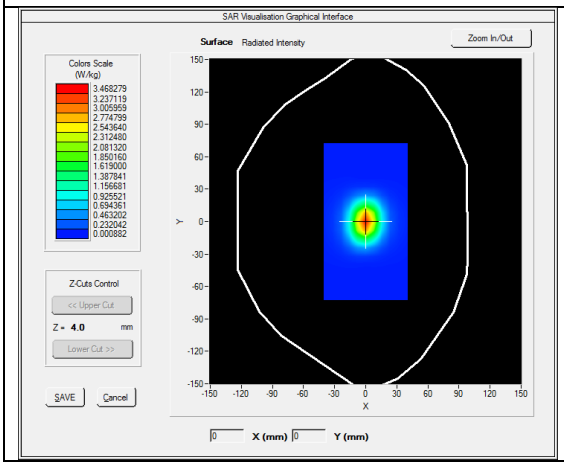
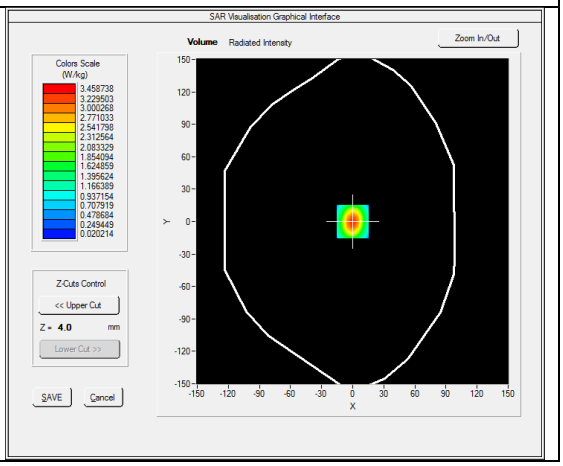
3D screen shot	Hot spot position
	

Test Laboratory: AGC Lab **Date: Jun. 10, 2022**
System Check Head 2600MHz
DUT: Dipole 2600 MHz; Type: SID 2600
Communication System: CW; Communication System Band: D2600 (2600.0 MHz); Duty Cycle: 1:1; Conv.F=1.82
Frequency:2600 MHz; Medium parameters used: f = 2600 MHz; σ=1.83 mho/m; εr =38.28; ρ= 1000 kg/m^3 ;
Phantom section: Flat Section; Input Power=18dBm
Ambient temperature (℃): 21.6, Liquid temperature (℃): 21.4

SATIMO Configuration:

- Probe: SSE2; Calibrated: Apr. 13, 2022; Serial No.: SN 13/22 EPGO368
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V4_02_35

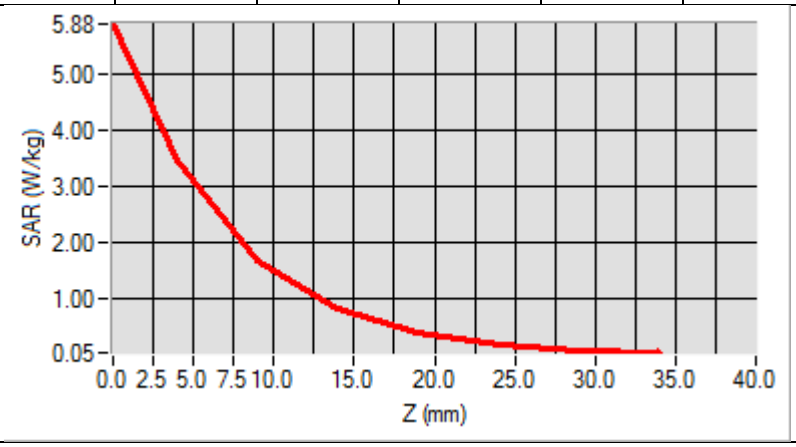
Configuration/System Check 2600 Head/Area Scan: Measurement grid: dx=8mm,dy=8mm
Configuration/System Check 2600 Head/Zoom Scan: Measurement grid: dx=5mm,dy=5mm, dz=5mm

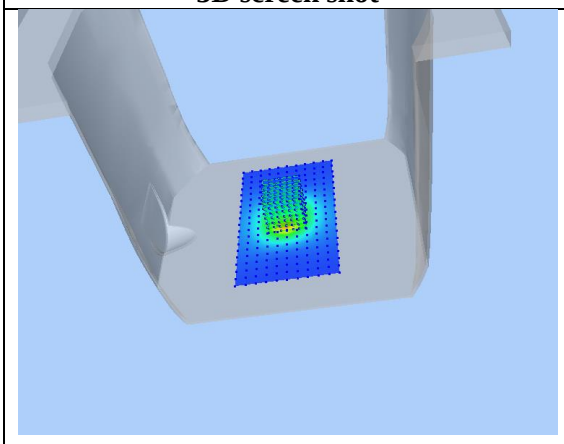
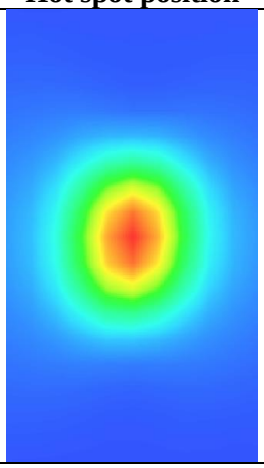
SURFACE SAR	VOLUME SAR
	

Maximum location: X=0.00, Y=0.00
SAR Peak: 5.81 W/kg

SAR 10g (W/Kg)	1.466128
SAR 1g (W/Kg)	3.269035

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	5.8842	3.4580	1.6873	0.8312	0.4163	0.2174	0.1052

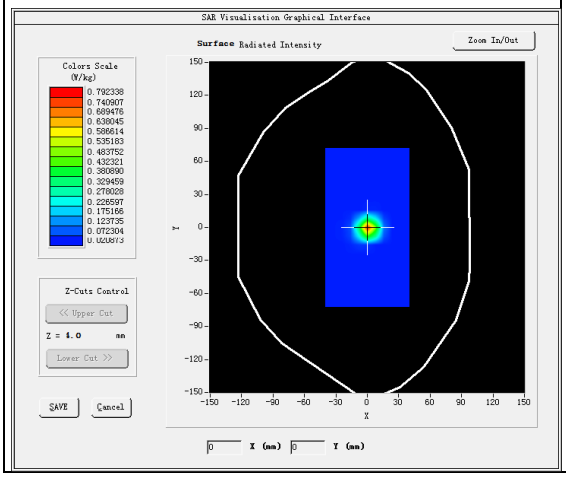
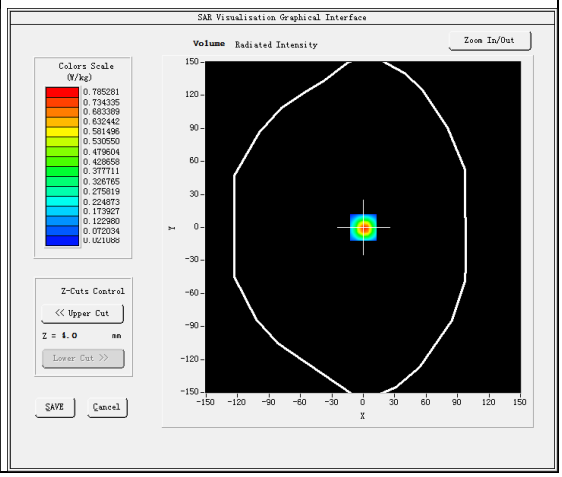


3D screen shot	Hot spot position
	

Test Laboratory: AGC Lab **Date: Jun. 26, 2022**
System Check 5200 MHz
DUT: Dipole 5000MHz Type: SID5000
Communication System: CW; Communication System Band: D5000 (5000.0 MHz); Duty Cycle: 1:1; Conv.F=1.28
Frequency: 5200 MHz; Medium parameters used: f = 5200 MHz; σ =4.68 mho/m; εr =36.33; ρ= 1000 kg/m^3 ;
Phantom section: Flat Section; Input Power=10dBm
Ambient temperature (℃): 21.4, Liquid temperature (℃): 21.2

SATIMO Configuration:
- Probe: SSE2; Calibrated: Apr. 13, 2022; Serial No.: SN 13/22 EPGO368
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V4_02_35

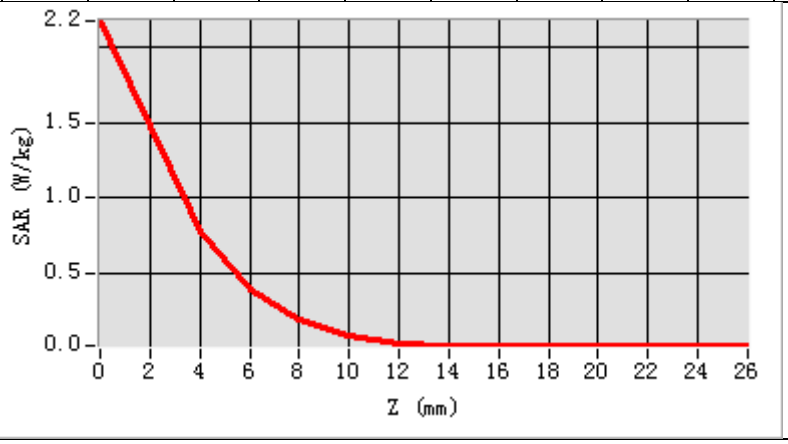
Configuration/System Check 5200 MHz Body/Area Scan: Measurement grid: dx=8mm, dy=8mm
Configuration/System Check 5200 MHz Body/Zoom Scan: Measurement grid: dx=4mm,dy=4mm, dz=2mm

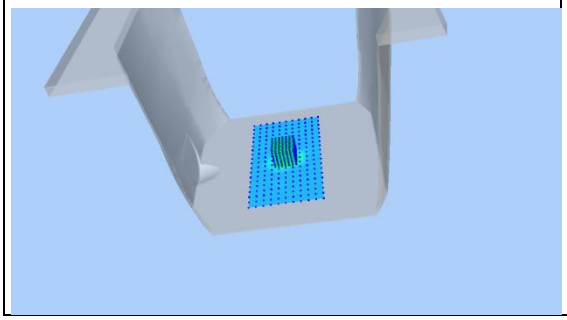
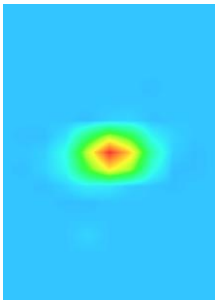
SURFACE SAR	VOLUME SAR
	

Maximum location: X=0.00, Y=0.00
SAR Peak: 2.18 W/kg

SAR 10g (W/Kg)	0.210877
SAR 1g (W/Kg)	0.732746

Z (mm)	0.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00	18.00	20.00	22.00	24.00
SAR (W/Kg)	2.1778	0.7853	0.3994	0.1914	0.0856	0.0397	0.0214	0.0213	0.0234	0.0234	0.0234	0.0234

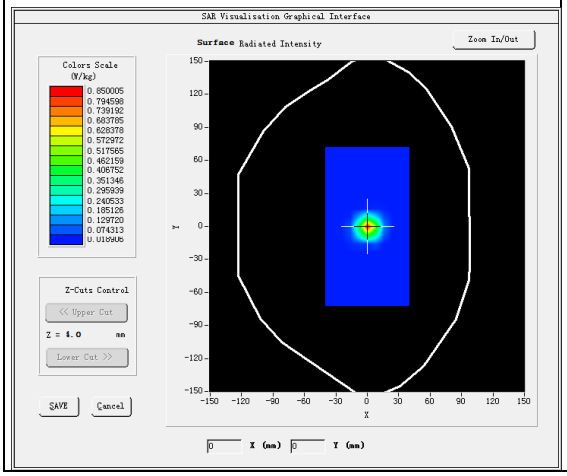
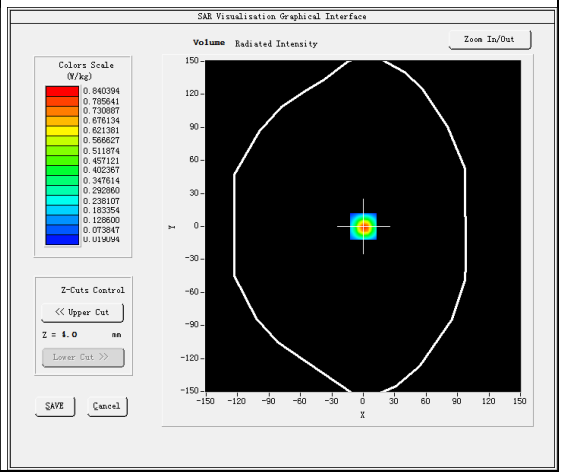


3D screen shot	Hot spot position
	

Test Laboratory: AGC Lab **Date: Jul. 01, 2022**
System Check 5200 MHz
DUT: Dipole 5000MHz Type: SID5000
Communication System: CW; Communication System Band: D5000 (5000.0 MHz); Duty Cycle: 1:1; Conv.F=1.49
Frequency: 5200 MHz; Medium parameters used: f = 5200 MHz; σ =4.76 mho/m; εr =35.91; ρ= 1000 kg/m^3 ;
Phantom section: Flat Section; Input Power=10dBm
Ambient temperature (℃): 21.2, Liquid temperature (℃): 21.1

SATIMO Configuration:
- Probe: SSE2; Calibrated: Apr. 13, 2022; Serial No.: SN 13/22 EPGO368
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V4_02_35

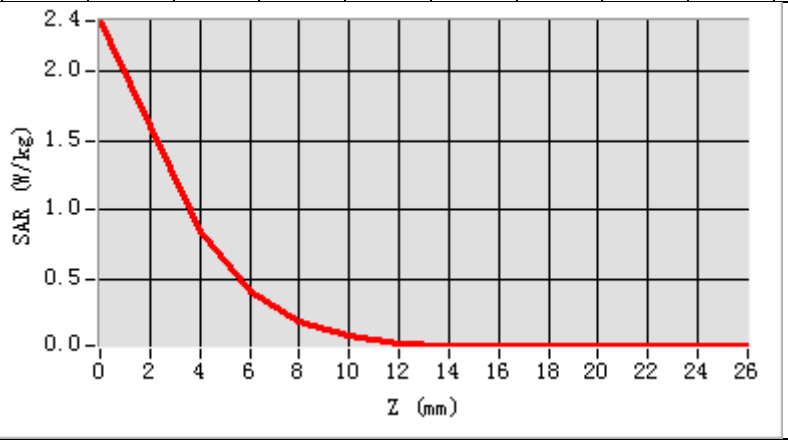
Configuration/System Check 5200 MHz Body/Area Scan: Measurement grid: dx=8mm, dy=8mm
Configuration/System Check 5200 MHz Body/Zoom Scan: Measurement grid: dx=4mm,dy=4mm, dz=2mm

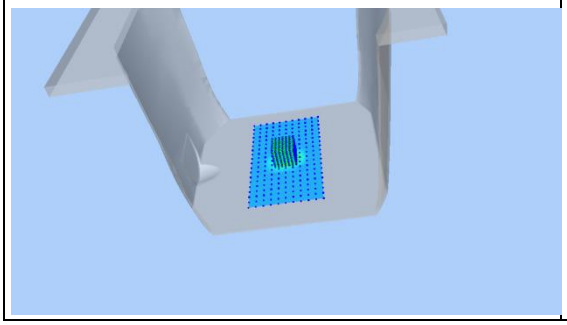
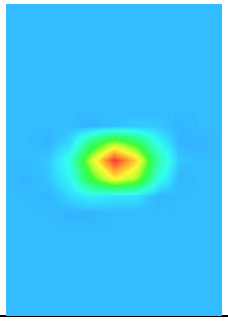
SURFACE SAR	VOLUME SAR
	

Maximum location: X=0.00, Y=0.00
SAR Peak: 2.34 W/kg

SAR 10g (W/Kg)	0.229284
SAR 1g (W/Kg)	0.775233

Z (mm)	0.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00	18.00	20.00	22.00	24.00
SAR (W/Kg)	2.3695	0.8404	0.4122	0.1968	0.0894	0.0355	0.0257	0.0191	0.0210	0.0210	0.0210	0.0210

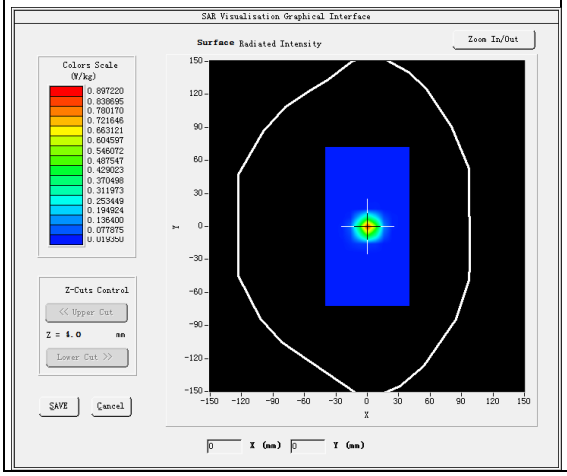
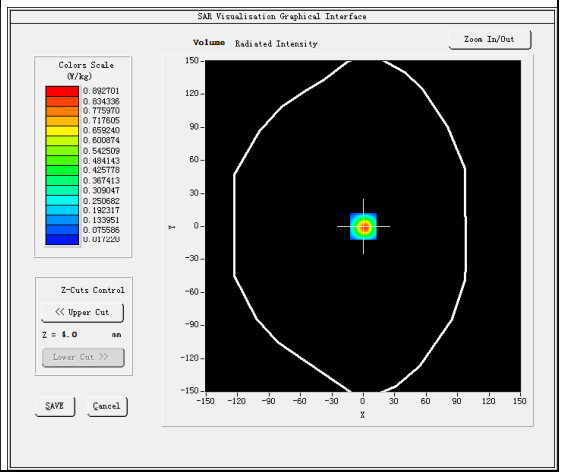


3D screen shot	Hot spot position
	

Test Laboratory: AGC Lab **Date: Jul. 02, 2022**
System Check 5600 MHz
DUT: Dipole 5000MHz Type: SID5000
Communication System: CW; Communication System Band: D5000 (5000.0 MHz); Duty Cycle: 1:1; Conv.F=1.52
Frequency: 5600 MHz; Medium parameters used: f = 5600 MHz; σ =5.24 mho/m; εr =36.14; ρ= 1000 kg/m^3 ;
Phantom section: Flat Section; Input Power=10dBm
Ambient temperature (℃): 21.4, Liquid temperature (℃): 21.3

SATIMO Configuration:
- Probe: SSE2; Calibrated: Apr. 13, 2022; Serial No.: SN 13/22 EPGO368
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V4_02_35

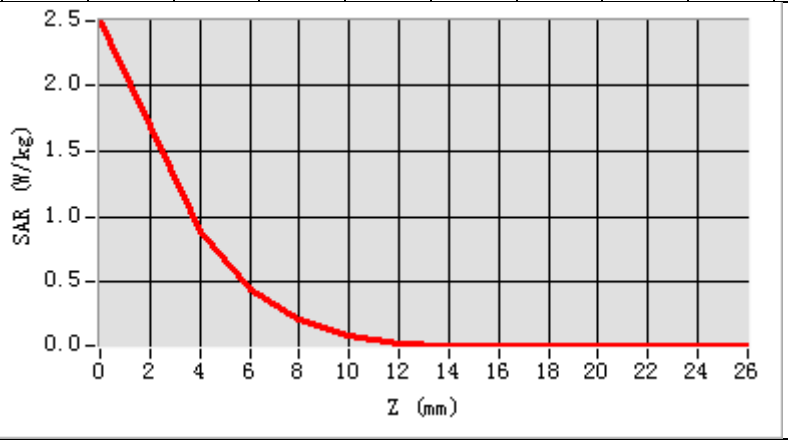
Configuration/System Check 5200 MHz Body/Area Scan: Measurement grid: dx=8mm, dy=8mm
Configuration/System Check 5200 MHz Body/Zoom Scan: Measurement grid: dx=4mm,dy=4mm, dz=2mm

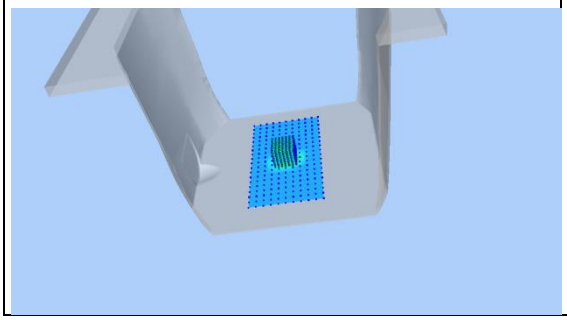
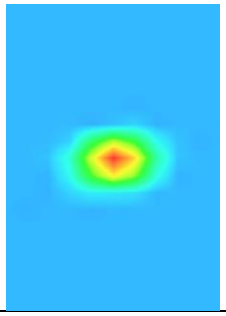
SURFACE SAR	VOLUME SAR
	

Maximum location: X=0.00, Y=0.00
SAR Peak: 2.47 W/kg

SAR 10g (W/Kg)	0.234702
SAR 1g (W/Kg)	0.825665

Z (mm)	0.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00	18.00	20.00	22.00	24.00
SAR (W/Kg)	2.4880	0.8927	0.4495	0.2154	0.0941	0.0375	0.0251	0.0195	0.0215	0.0215	0.0215	0.0215



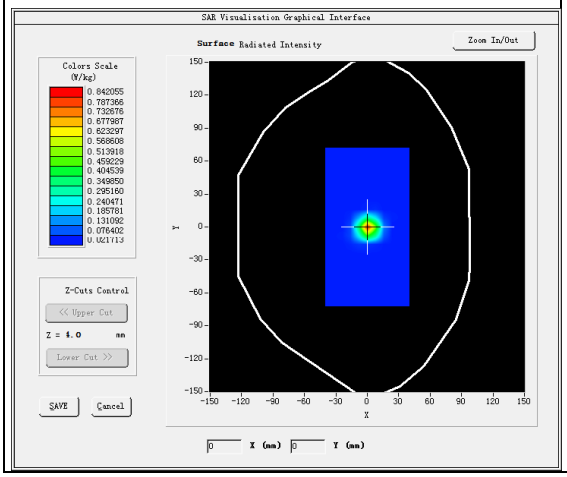
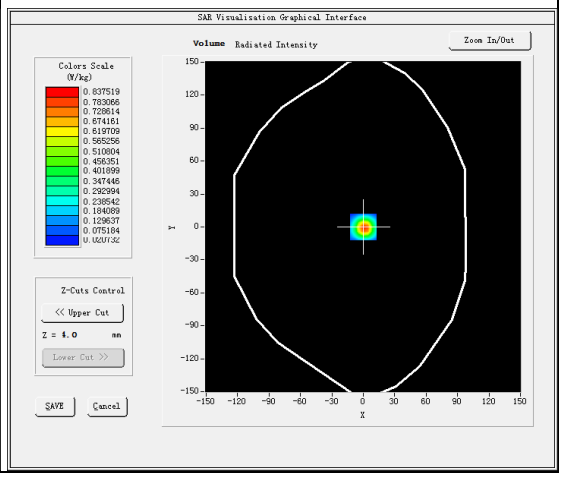
3D screen shot	Hot spot position
	

Test Laboratory: AGC Lab **Date: Jun. 30, 2022**
System Check Head 5800 MHz
DUT: Dipole 5000MHz Type: SID5000
Communication System: CW; Communication System Band: D5000 (5000.0 MHz); Duty Cycle: 1:1; Conv.F=1.42
Frequency: 5800 MHz; Medium parameters used: f = 5800 MHz; σ =5.41 mho/m; εr =36.17; ρ= 1000 kg/m^3 ;
Phantom section: Flat Section; Input Power=10dBm
Ambient temperature (℃): 21.6, Liquid temperature (℃): 21.5

SATIMO Configuration:

- Probe: SSE2; Calibrated: Apr. 13, 2022; Serial No.: SN 13/22 EPGO368
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V4_02_35

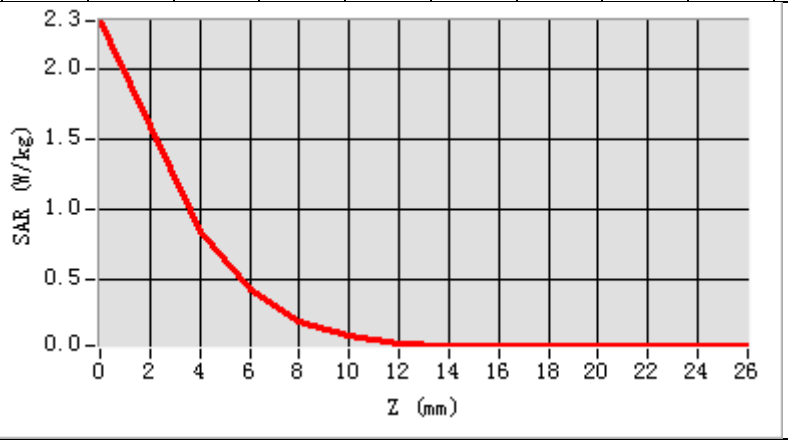
Configuration/System Check 5800 MHz Head/Area Scan: Measurement grid: dx=8mm, dy=8mm
Configuration/System Check 5800 MHz Head/Zoom Scan: Measurement grid: dx=4mm,dy=4mm, dz=2mm

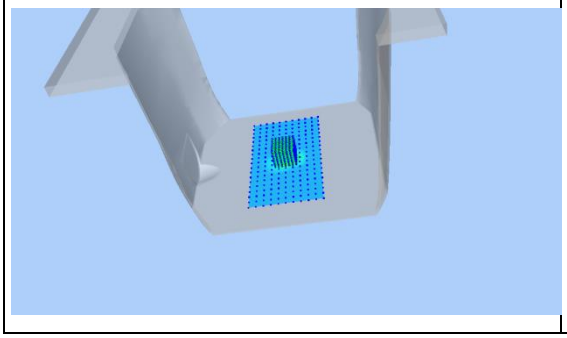
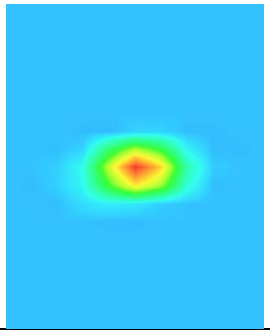
SURFACE SAR	VOLUME SAR
	

Maximum location: X=0.00, Y=0.00
SAR Peak: 2.33 W/kg

SAR 10g (W/Kg)	0.224423
SAR 1g (W/Kg)	0.780158

Z (mm)	0.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00	18.00	20.00	22.00	24.00
SAR (W/Kg)	2.3421	0.8375	0.4212	0.1995	0.0877	0.0411	0.0217	0.0217	0.0239	0.0239	0.0239	0.0239



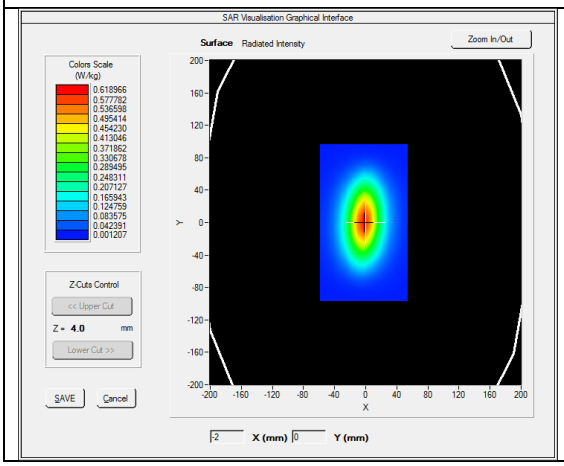
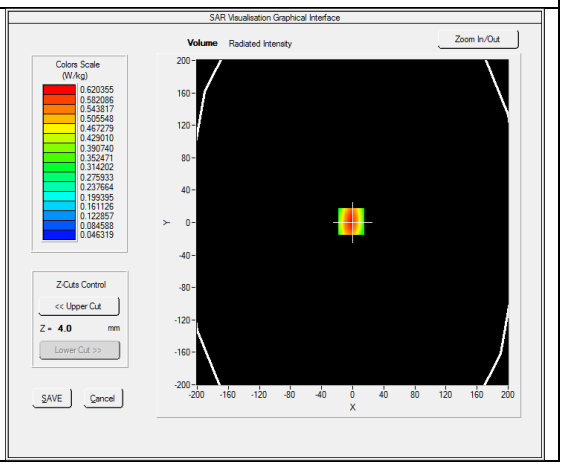
3D screen shot	Hot spot position
	

Test Laboratory: AGC Lab **Date: Jun. 25, 2022**
System Check Head 750 MHz
DUT: Dipole 750 MHz Type: SID 750
Communication System CW; Communication System Band: D750 (750.0 MHz); Duty Cycle: 1:1; Conv.F=1.39
Frequency: 750 MHz; Medium parameters used: f = 750 MHz; σ=0.92 mho/m; εr =40.85; ρ= 1000 kg/m³ ;
Phantom section: Flat Section; Input Power=18dBm
Ambient temperature (℃):21.2, Liquid temperature (℃): 20.7

SATIMO Configuration:

- Probe: SSE2; Calibrated: Apr. 13, 2022; Serial No.: SN 13/22 EPGO368
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: ELLI39 Phantom
- Measurement SW: OpenSAR V4_02_35

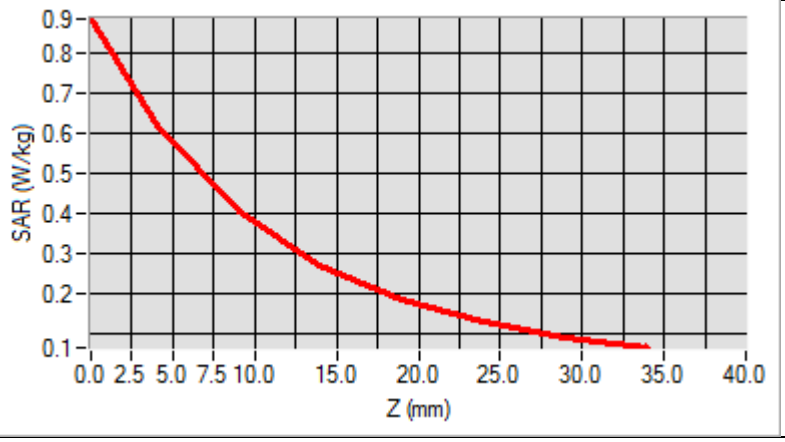
Configuration/System Check 750MHz Head/Area Scan: Measurement grid: dx=8mm, dy=8mm
Configuration/System Check 750MHz Head/Zoom Scan: Measurement grid: dx=8mm,dy=8mm, dz=5mm

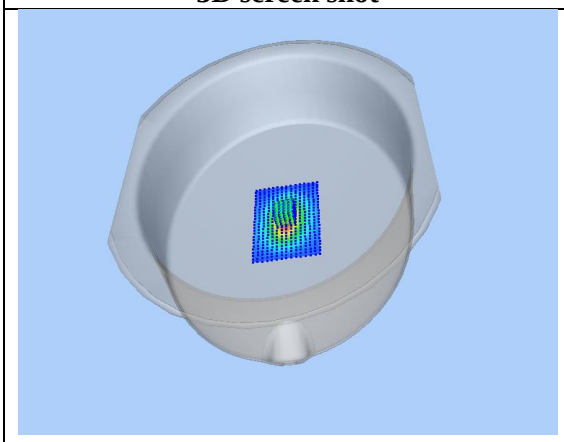
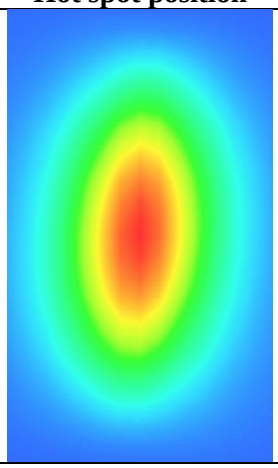
SURFACE SAR	VOLUME SAR
	

Maximum location: X=-2.00, Y=1.00
SAR Peak: 0.88 W/kg

SAR 10g (W/Kg)	0.351873
SAR 1g (W/Kg)	0.562174

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.8827	0.6238	0.4042	0.2659	0.1834	0.1205	0.0871



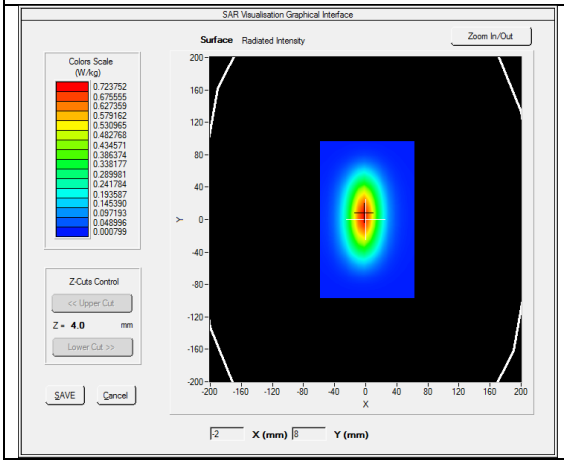
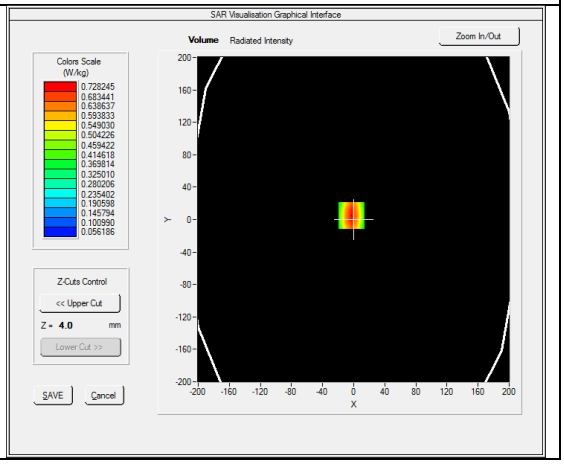
3D screen shot	Hot spot position
	

Test Laboratory: AGC Lab **Date: Jun. 11, 2022**
System Check Head 835 MHz
DUT: Dipole 835 MHz Type: SID 835
Communication System CW; Communication System Band: D835 (835.0 MHz); Duty Cycle: 1:1; Conv.F=1.42
Frequency: 835 MHz; Medium parameters used: f = 835 MHz; σ=0.87 mho/m; εr =40.34; ρ= 1000 kg/m³ ;
Phantom section: Flat Section; Input Power=18dBm
Ambient temperature (℃):21.7, Liquid temperature (℃): 21.6

SATIMO Configuration:

- Probe: SSE2; Calibrated: Apr. 13, 2022; Serial No.: SN 13/22 EPGO368
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: ELLI39 Phantom
- Measurement SW: OpenSAR V4_02_35

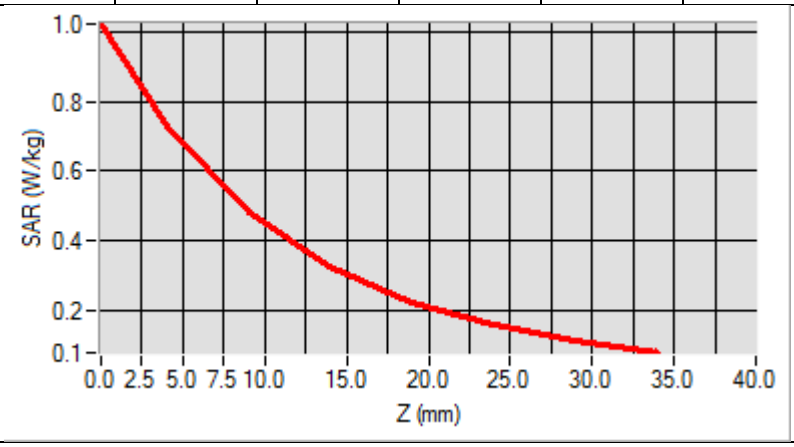
Configuration/System Check 835MHz Head/Area Scan: Measurement grid: dx=8mm, dy=8mm
Configuration/System Check 835MHz Head/Zoom Scan: Measurement grid: dx=8mm,dy=8mm, dz=5mm

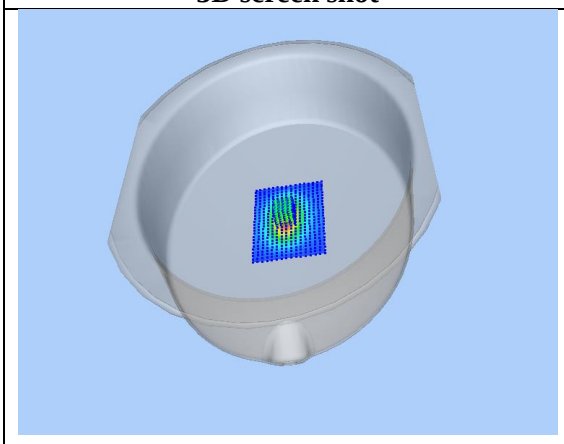
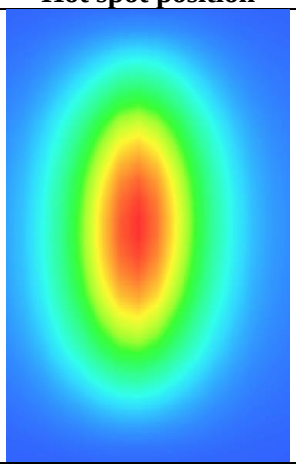
SURFACE SAR	VOLUME SAR
	

Maximum location: X=-3.00, Y=5.00
SAR Peak: 1.02 W/kg

SAR 10g (W/Kg)	0.375094
SAR 1g (W/Kg)	0.605612

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	1.0217	0.7250	0.4748	0.3274	0.2216	0.1565	0.1038



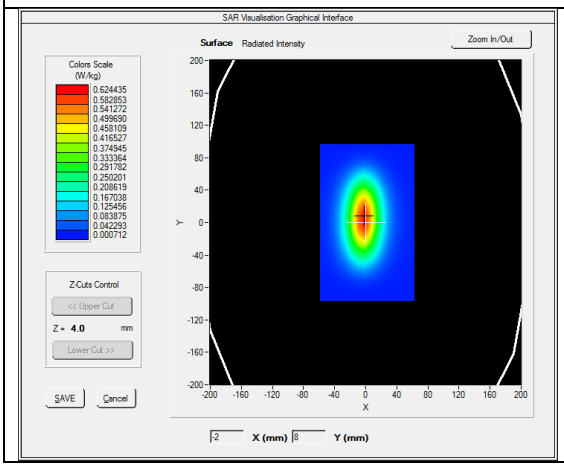
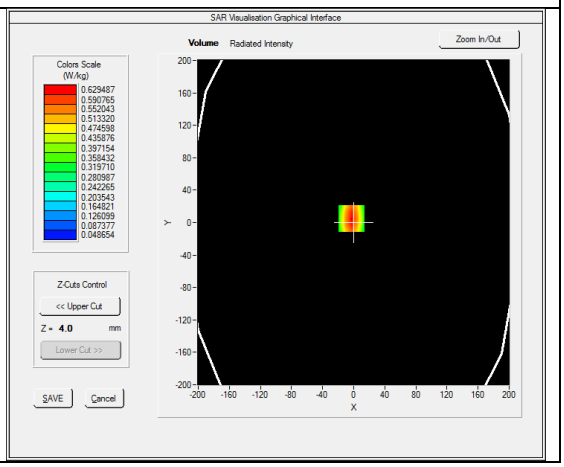
3D screen shot	Hot spot position
	

Test Laboratory: AGC Lab **Date: Jun. 12, 2022**
System Check Head 835 MHz
DUT: Dipole 835 MHz Type: SID 835
Communication System CW; Communication System Band: D835 (835.0 MHz); Duty Cycle: 1:1; Conv.F=1.42
Frequency: 835 MHz; Medium parameters used: f = 835 MHz; σ=0.89 mho/m; εr =40.90; ρ= 1000 kg/m³ ;
Phantom section: Flat Section; Input Power=18dBm
Ambient temperature (℃):21.5, Liquid temperature (℃): 21.2

SATIMO Configuration:

- Probe: SSE2; Calibrated: Apr. 13, 2022; Serial No.: SN 13/22 EPGO368
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: ELLI39 Phantom
- Measurement SW: OpenSAR V4_02_35

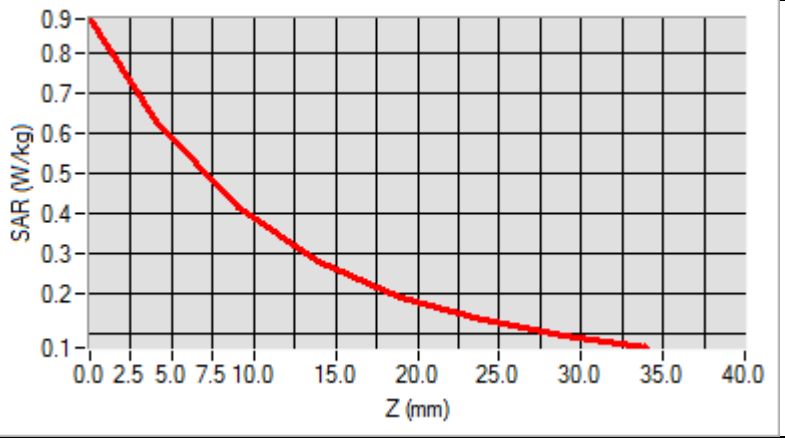
Configuration/System Check 835MHz Head/Area Scan: Measurement grid: dx=8mm, dy=8mm
Configuration/System Check 835MHz Head/Zoom Scan: Measurement grid: dx=8mm,dy=8mm, dz=5mm

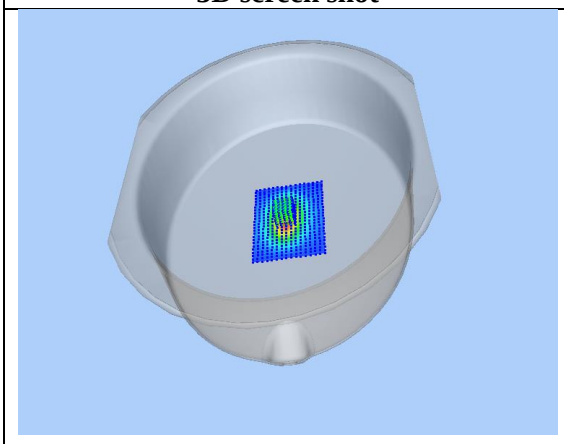
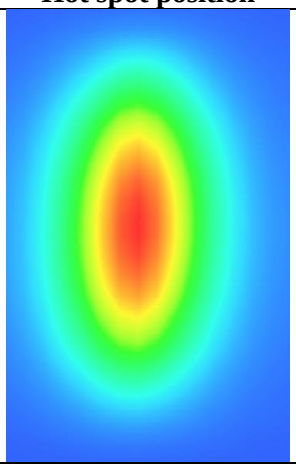
SURFACE SAR	VOLUME SAR
	

Maximum location: X=-3.00, Y=5.00
SAR Peak: 0.88 W/kg

SAR 10g (W/Kg)	0.374049
SAR 1g (W/Kg)	0.601964

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.8842	0.6208	0.4147	0.2862	0.1974	0.1362	0.0981



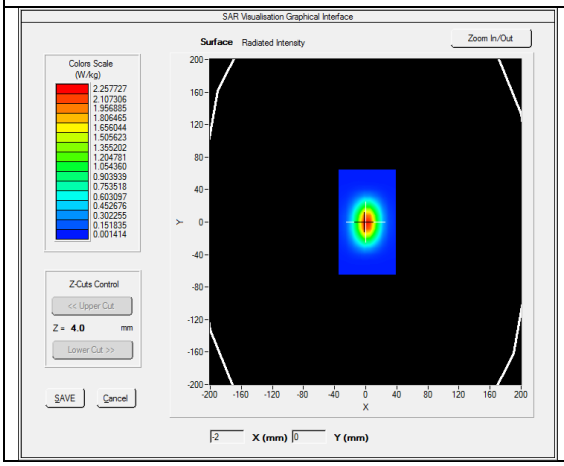
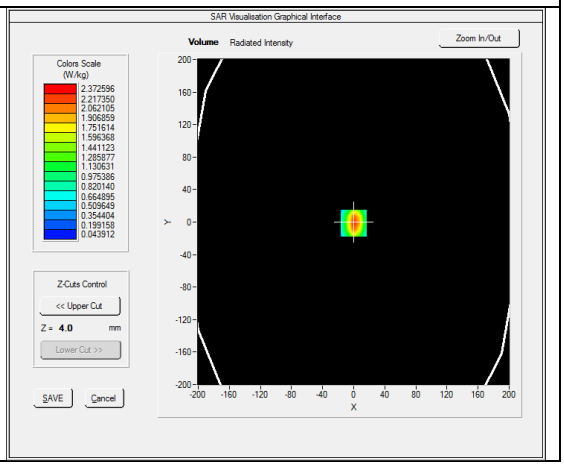
3D screen shot	Hot spot position
	

Test Laboratory: AGC Lab **Date: Jun. 21, 2022**
System Check Head 1750MHz
DUT: Dipole 1800 MHz; Type: SID 1800
Communication System: CW; Communication System Band: D1700 (1750.0 MHz); Duty Cycle:1:1; Conv.F=1.73
Frequency: 1750 MHz; Medium parameters used: f = 1750MHz; σ=1.34 mho/m; εr =41.05; ρ= 1000 kg/m³ ;
Phantom section: Flat Section; Input Power=18dBm
Ambient temperature (℃): 20.9, Liquid temperature (℃): 20.5

SATIMO Configuration:
Probe: SSE2; Calibrated: Apr. 13, 2022; Serial No.: SN 13/22 EPGO368

- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: ELLI39 Phantom
- Measurement SW: OpenSAR V4_02_35

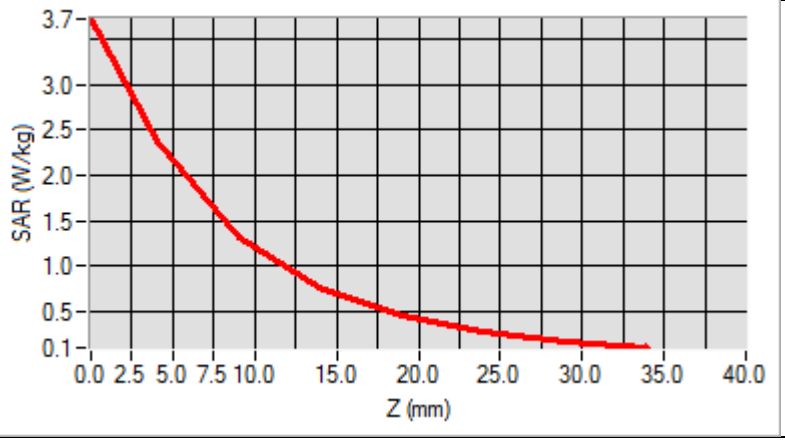
Configuration/System Check 1750MHz Head/Area Scan: Measurement grid: dx=8mm,dy=8mm
Configuration/System Check 1750MHz Head/Zoom Scan: Measurement grid: dx=8mm,dy=8mm, dz=5mm

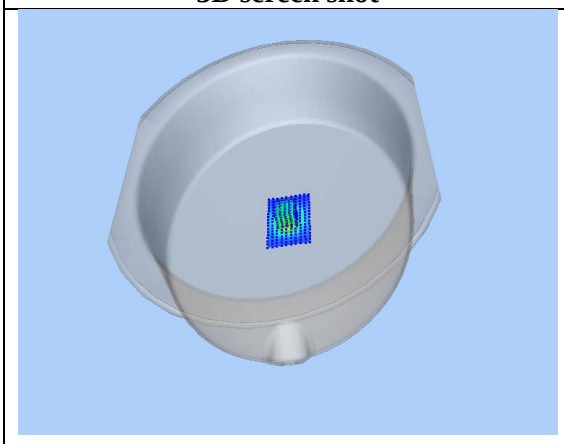
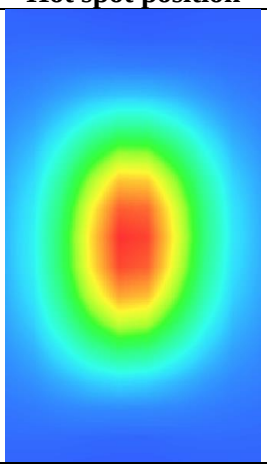
SURFACE SAR	VOLUME SAR
	

Maximum location: X=0.00, Y=-1.00
SAR Peak: 3.73 W/kg

SAR 10g (W/Kg)	1.187542
SAR 1g (W/Kg)	2.329865

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	3.7235	2.3785	1.3216	0.7702	0.4538	0.2746	0.1617



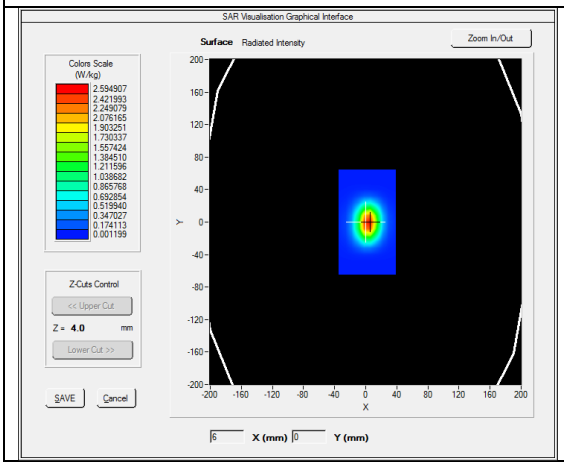
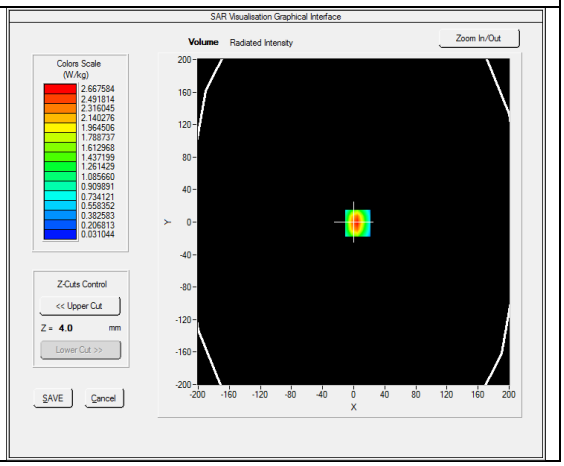
3D screen shot	Hot spot position
	

Test Laboratory: AGC Lab **Date: Jun. 19, 2022**
System Check Head 1900MHz
DUT: Dipole 1900 MHz; Type: SID 1900
Communication System: CW; Communication System Band: D1900 (1900.0 MHz); Duty Cycle:1:1; Conv.F=1.77
Frequency: 1900 MHz; Medium parameters used: f = 1900 MHz; σ=1.37 mho/m; εr =41.17; ρ= 1000 kg/m³ ;
Phantom section: Flat Section; Input Power=18dBm
Ambient temperature (℃):21.4, Liquid temperature (℃): 20.9

SATIMO Configuration:
Probe: SSE2; Calibrated: Apr. 13, 2022; Serial No.: SN 13/22 EPGO368

- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: ELLI39 Phantom
- Measurement SW: OpenSAR V4_02_35

Configuration/System Check 1900MHz Head/Area Scan: Measurement grid: dx=8mm, dy=8mm
Configuration/System Check 1900MHz Head/Zoom Scan: Measurement grid: dx=8mm,dy=8mm, dz=5mm

SURFACE SAR	VOLUME SAR
	

Maximum location: X=5.00, Y=-1.00
SAR Peak: 4.35 W/kg

SAR 10g (W/Kg)	1.243905
SAR 1g (W/Kg)	2.548046