SAR Test Report

Report No.: AGC00408240102FH01

FCC ID	:	2A3DR-AGMP2
APPLICATION PURPOSE	:	Original Equipment
PRODUCT DESIGNATION	:	4G smart PAD, Tablet
BRAND NAME	:	AGM
MODEL NAME	:	AGM_PAD_P2, AGM_PAD_P2W
APPLICANT	:	AGM MOBILE LIMITED
DATE OF ISSUE	:	Apr. 10, 2024
STANDARD(S)	:	IEEE Std. 1528:2013 FCC 47 CFR Part 2§2.1093 IEEE Std C95.1 ™-2005
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	/	Apr. 10, 2024	Valid	Initial Release

Test Report

Applicant Name	AGM MOBILE LIMITED
Applicant Address	FLAT/RM 2253 22/F HOI TAI FACTORY ESTATE TSING YEUNG CIRCUIT TUEN MUN NT HONG KONG, CHINA
Manufacturer Name	Guangdong Aijiemo Electronic Industry Co., Ltd
Manufacturer Address	AGM Technology Park, No. 187 Lianfa Road, Tongqiao Town, Zhongkai High-tech District, Huizhou City, Guangdong, China
Factory Name	Guangdong Aijiemo Electronic Industry Co., Ltd
Factory Address	AGM Technology Park, No. 187 Lianfa Road, Tongqiao Town, Zhongkai High-tech District, Huizhou City, Guangdong, China
Product Designation	4G smart PAD, Tablet
Brand Name	AGM
Model Name	AGM_PAD_P2
Series Models	AGM_PAD_P2W
Declaration of Difference	In addition to the different model names between the main test and the series, there are also different headphone plate layouts, and corresponding antenna types and gains. There are no differences in the other PCB layouts and RF parameters.
EUT Voltage	DC3.85V by battery
Applicable Standard	IEEE Std. 1528:2013 FCC 47 CFR Part 2§2.1093 IEEE Std C95.1 ™-2005
Date of receipt of test item	Jan. 22, 2024
Test Date	Feb. 01, 2024 to Mar. 02, 2024
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.

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Reviewed By

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Approved By

Max Zhang (Authorized Officer) Apr. 10, 2024

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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)
	Body-worn(with 10mm separation)	Hotspot(with 10mm separation)	
AGM_PAD_P2			1.6
GSM 850	0.349	0.349	
PCS 1900	0.590	0.548	
UMTS Band II	1.176	1.176	
UMTS Band IV	1.130	1.130	
UMTS Band V	0.428	0.428	
LTE Band 2	0.182	0.182	
LTE Band 4	1.029	1.029	
LTE Band 5	0.305	0.305	
LTE Band 7	0.187	0.187	
LTE Band 12	0.131	0.131	
LTE Band 17	0.115	0.115	
LTE Band 26a	0.347	0.347	
LTE Band 26b	0.352	0.352	
LTE Band 38	0.155	0.155	
LTE Band 40-Lower Side	0.050	0.050	
LTE Band 40-Upper Side	0.052	0.052	
LTE Band 41	0.145	0.145	
LTE Band 66	0.956	0.956	
WIFI 2.4G	0.071	0.071	
5.2GHz (U-NII-1)	0.167	0.167	
5.8GHz (U-NII-3)	0.100	0.100	
Simultaneous Reported SAR	1.322		
SAR Test Result	PASS		

Frequency Band	Highest Reported 1g-SAR(W/kg)		SAR Test Limit (W/kg)
	Body-worn(with 10mm separation)	Hotspot(with 10mm separation)	
AGM_PAD_P2W			1.6
GSM 850	0.300	0.300	
PCS 1900	0.247	0.212	
UMTS Band II	0.394	0.394	
UMTS Band IV	0.345	0.345	
UMTS Band V	0.406	0.406	
LTE Band 2	0.420	0.420	
LTE Band 4	0.335	0.335	
LTE Band 5	0.387	0.387	
LTE Band 7	0.742	0.742	
LTE Band 12	0.450	0.450	
LTE Band 17	0.435	0.435	
LTE Band 26a	0.404	0.404	
LTE Band 26b	0.314	0.314	
LTE Band 38	0.376	0.376	
LTE Band 40-Lower Side	0.341	0.341	
LTE Band 40-Upper Side	0.163	0.163	
LTE Band 41	0.414	0.414	
LTE Band 66	0.364	0.364	
WIFI 2.4G	0.381	0.381	
5.2GHz (U-NII-1)	0.186	0.186	
5.8GHz (U-NII-3)	0.421	0.421	
Simultaneous Reported SAR	1.047		
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 D01 General RF Exposure Guidance v06
- KDB 648474 D04 Handset SAR v01r03
- KDB 865664 D01 SAR Measurement 100MHz to 6GHz v01r04
- KDB 941225 D01 3G SAR Procedures v03r01
- KDB 616217 D04 SAR evaluation requirements for laptop, notebook, notebook and tablet computers
- 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 PAD, Tablet
Test Model	AGM_PAD_P2, AGM_PAD_P2W
Sample ID	240119030
Hardware Version	V1.0
Software Version	M193_P9901_V1
Device Category	Portable
RF Exposure Environment	Uncontrolled
Antenna Type	Internal
GSM and GPRS& EGPRS	
Support Band	☒GSM 850 ☒PCS 1900 (U.S. Bands) ☒GSM 900 ☒DCS 1800 (Non-U.S. Bands)
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 (AGM_PAD_P2)	GSM850:0.29dBi; PCS1900: 0.16dBi;
Antenna gain (AGM_PAD_P2W)	GSM850:0.71dBi; PCS1900: 0.75dBi;
Max. Average Power	GSM850: 34.32 dBm; PCS1900: 31.68 dBm
WCDMA	
Support Band	☒UMTS FDD Band II ☒UMTS FDD Band V ☒UMTS FDD Band IV (U.S. Bands) ☒UMTS FDD Band I ☒UMTS FDD Band III ☒UMTS FDD Band VIII (U.S. Bands)
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	Release 6 and later
Type of modulation	HSDPA:QPSK/16QAM; HSUPA:BPSK; WCDMA:QPSK
Antenna gain (AGM_PAD_P2)	Band II: 0.16dBi; Band IV: 0.27dBi; Band V: 0.29dBi
Antenna gain (AGM_PAD_P2W)	Band II: 0.75dBi; Band IV: 1.66dBi; Band V: 0.71dBi
Max. Average Power	Band II: 23.18 dBm; Band IV: 22.84 dBm; Band V: 23.55dBm
Bluetooth	
Bluetooth Version	V5.2
Operation Frequency	2402~2480MHz
Type of modulation	☒GFSK ☒Π/4-DQPSK ☒8-DPSK
Peak Power	2.238dBm
Antenna gain (AGM_PAD_P2)	-0.5dBi
Antenna gain (AGM_PAD_P2W)	2.36 dBi

EUT Description(Continue)

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: 13.93dBm,11g: 12.12dBm,11n(20): 11.99dBm,11n(40): 11.15dBm			
Antenna gain (AGM_PAD_P2)	2.50dBi			
Antenna gain (AGM_PAD_P2W)	2.36 dBi			
LTE				
Support Band	☒FDD Band 2 ☒FDD Band 4 ☒FDD Band 5 ☒FDD Band 7 ☒FDD Band 12 ☒FDD Band 17 ☒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 7:2500-2570MHz; Band 12:699-716MHz; Band 17: 704-716MHz; 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 7:2620-2690MHz; Band 12: 729-746 MHz; Band 17: 734-746 MHz; Band 26: 859-894MHz; Band 38: 2570-2620 MHz; Band 40:2305-2320&2345-2360MHz; Band 41:2496-2690MHz; Band 66:2110-2200MHz;			
Type of modulation	QPSK, 16QAM			
Antenna gain (AGM_PAD_P2)	Band 2:0.16dBi	Band 4:0.27dBi	Band 5:0.29dBi	Band 7:1.58dBi
	Band 12: -1.85dB	Band 17:-1.85 dBi	Band 26:0.29dBi	Band 38:1.58dBi
	Band 40:1.0dBi	Band 41: 0.89dBi	Band 66:0.27dBi	
Antenna gain (AGM_PAD_P2W)	Band 2:0.75dBi	Band 4:1.66dBi	Band 5: 0.71dBi	Band 7:1.54dBi
	Band 12: -1.60dB	Band 17:-1.60 dBi	Band 26:0.71dBi	Band 38:1.85dBi
	Band 40:1.70dBi	Band 41: 1.85dBi	Band 66:1.66dBi	
Max. Average Power	Band 2: 21.59dBm; Band 4: 21.35 dBm; Band 5: 24.44 dBm; Band 7: 20.45 dBm; Band 12: 22.26dBm; Band 17: 22.34 dBm; Band 26a: 19.98dBm; Band 26b: 22.77 dBm; Band 38: 18.68 dBm; LTE-Band 40(Lower Side): 18.12 dBm; LTE-Band 40 (Upper Side): 18.25 dBm; Band 41: 18.54 dBm; Band 66: 25.20 dBm;			
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-3: 5745MHz~5825MHz			
Max. conducted Power	U-NII-1: 10.60dBm; U-NII-3: 10.09dBm			
Antenna gain (AGM_PAD_P2)	1.83dBi			
Antenna gain (AGM_PAD_P2W)	7.08dBi			

EUT Description(Continue)

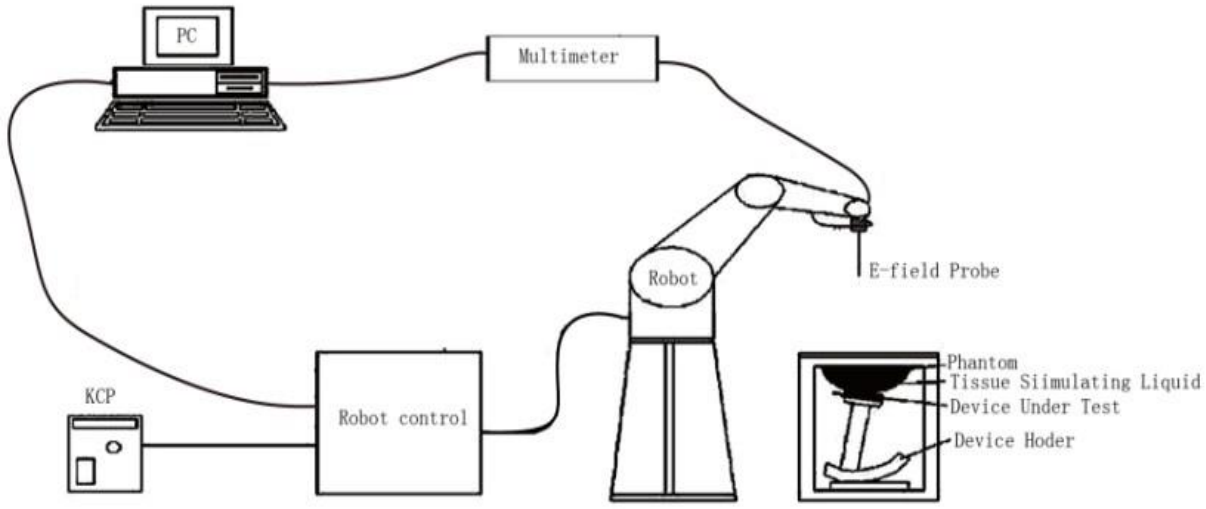
Accessories	
Battery	Brand name: N/A Model No. : AGM_PAD_P2 Voltage and Capacitance: 3.85 V & 8000mAh
Earphone	Brand name: N/A Model No. : N/A

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.

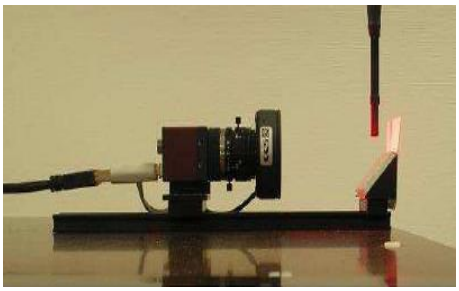
Isotropic E-Field Probe Specification

Model	SSE2	
Manufacture	MVG	
Identification No.	2023-EPGO-414	
Frequency	0.15GHz-7.5GHz Linearity:±0.09dB(0.15GHz-7.5GHz)	
Dynamic Range	0.01W/kg-100W/kg Linearity:±0.09dB	
Dimensions	Overall length:330mm Length of individual dipoles:24.5mm Maximum external diameter:8mm Probe Tip external diameter:2.55mm Distance between dipoles/ probe extremity:12.7mm	
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%.	

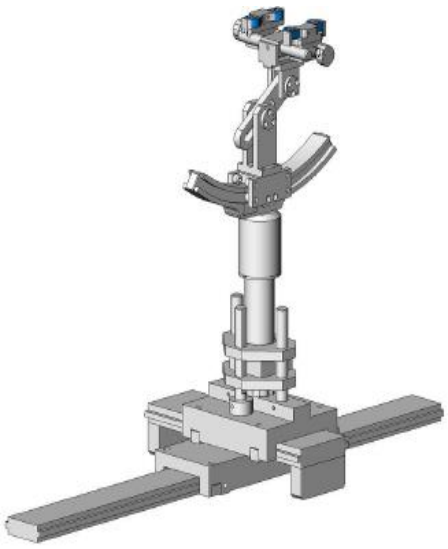
3.3. Robot

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:

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

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

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 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

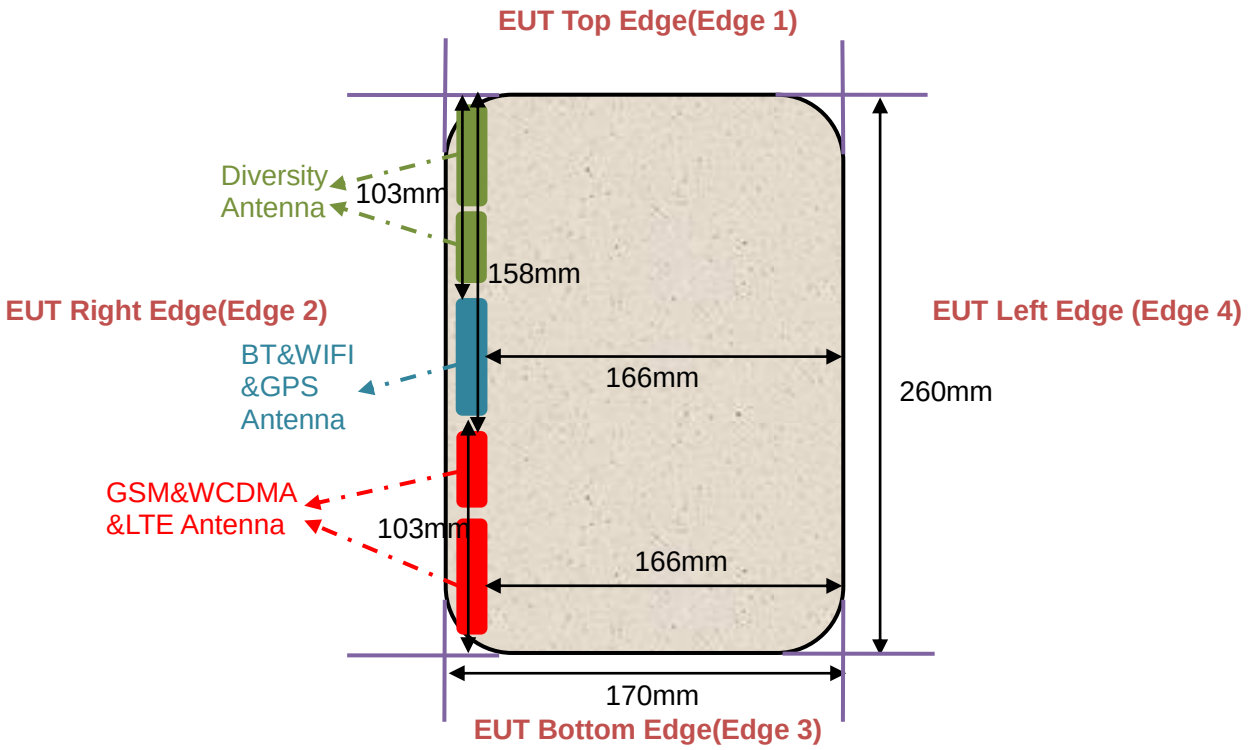
Test Configuration and setting:

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.

AGM_PAD_P2 and AGM_PAD_P2W Antenna Location: (the back view)



SAR Test Exclusion Consideration for Adjacent Edges

Per KDB 447498 D01 cl. 4.3.1:

a) For 100 MHz to 6 GHz and test separation distances ≤ 50 mm, the 1-g and 10-g SAR test exclusion thresholds are determined by the following:

[(max. power of channel, including tune-up tolerance, mW) / (min. test separation distance, mm)] • [√f(GHz)] ≤ 3.0 for1-g SAR, and ≤ 7.5 for 10-g extremity SAR.

b) For 100 MHz to 6 GHz and test separation distances > 50 mm, the 1-g and 10-g SAR test exclusion thresholds are determined by the following:

1) {[Power allowed at numeric threshold for 50 mm in step a)] + [(test separation distance – 50 mm)•(f(MHz)/150)]} mW, for 100 MHz to 1500 MHz

2) {[Power allowed at numeric threshold for 50 mm in step a)] + [(test separation distance – 50 mm)•10]} mW, for > 1500 MHz and ≤ 6 GHz

1-g SAR test exclusion thresholds for WWAN					
Test Mode \ Test position		Edge 1 (158mm)	Edge 2 (5mm)	Edge 3 (20mm)	Edge 4 (166mm)
GSM850	SAR test exclusion thresholds(mW)	758.65	16.52	66.09	802.61
	SAR Max. Avg. Burst Power(mW)	451.86	451.86	451.86	451.86
	SAR required (Yes/No)	NO	YES	YES	NO
PCS1900	SAR test exclusion thresholds(mW)	1189.40	10.94	43.76	1269.40
	SAR Max. Avg. Burst Power(mW)	230.67	230.67	230.67	230.67
	SAR required (Yes/No)	NO	YES	YES	NO
WCDMA Band II	SAR test exclusion thresholds(mW)	1188.60	10.86	43.44	1268.60
	SAR Max. Avg. Burst Power(mW)	207.97	207.97	207.97	207.97
	SAR required (Yes/No)	NO	YES	YES	NO
WCDMA Band IV	SAR test exclusion thresholds(mW)	1193.96	11.40	45.59	1273.96
	SAR Max. Avg. Burst Power(mW)	192.31	192.31	192.31	192.31
	SAR required (Yes/No)	NO	YES	YES	NO
WCDMA Band V	SAR test exclusion thresholds(mW)	760.01	16.50	66.00	804.09
	SAR Max. Avg. Burst Power(mW)	226.46	226.46	226.46	226.46
	SAR required (Yes/No)	NO	YES	YES	NO
LTE Band 2	SAR test exclusion thresholds(mW)	1188.56	10.86	43.42	1268.56
	SAR Max. Avg. Burst Power(mW)	144.21	144.21	144.21	144.21
	SAR required (Yes/No)	NO	YES	YES	NO
LTE Band 4	SAR test exclusion thresholds(mW)	1193.55	11.36	45.42	1273.55
	SAR Max. Avg. Burst Power(mW)	136.46	136.46	136.46	136.46
	SAR required (Yes/No)	NO	YES	YES	NO
LTE Band 5	SAR test exclusion thresholds(mW)	766.29	16.40	65.60	810.90
	SAR Max. Avg. Burst Power(mW)	277.97	277.97	277.97	277.97
	SAR required (Yes/No)	NO	YES	YES	NO
LTE Band 7	SAR test exclusion thresholds(mW)	1174.82	9.48	37.93	1254.82
	SAR Max. Avg. Burst Power(mW)	110.92	110.92	110.92	110.92
	SAR required (Yes/No)	NO	YES	YES	NO
LTE Band 12	SAR test exclusion thresholds(mW)	684.17	17.91	71.64	721.59
	SAR Max. Avg. Burst Power(mW)	168.27	168.27	168.27	168.27
	SAR required (Yes/No)	NO	YES	YES	NO

1-g SAR test exclusion thresholds for WWAN					
Test Mode \ Test position		Edge 1 (158mm)	Edge 2 (5mm)	Edge 3 (20mm)	Edge 4 (166mm)
LTE Band 17	SAR test exclusion thresholds(mW)	687.14	17.85	71.38	724.82
	SAR Max. Avg. Burst Power(mW)	171.40	171.40	171.40	171.40
	SAR required (Yes/No)	NO	YES	YES	NO
LTE Band 26A	SAR test exclusion thresholds(mW)	772.51	16.30	65.21	817.66
	SAR Max. Avg. Burst Power(mW)	99.54	99.54	99.54	99.54
	SAR required (Yes/No)	NO	YES	YES	NO
LTE Band 26B	SAR test exclusion thresholds(mW)	752.77	16.62	66.47	796.22
	SAR Max. Avg. Burst Power(mW)	189.23	189.23	189.23	189.23
	SAR required (Yes/No)	NO	YES	YES	NO
LTE Band 38	SAR test exclusion thresholds(mW)	1172.76	9.28	37.10	1252.76
	SAR Max. Avg. Burst Power(mW)	73.79	73.79	73.79	73.79
	SAR required (Yes/No)	NO	YES	YES	NO
LTE Band 40-lower side	SAR test exclusion thresholds(mW)	1178.69	9.87	39.48	1258.69
	SAR Max. Avg. Burst Power(mW)	64.86	64.86	64.86	64.86
	SAR required (Yes/No)	NO	YES	YES	NO
LTE Band 40-upper side	SAR test exclusion thresholds(mW)	1177.80	9.78	39.12	1257.80
	SAR Max. Avg. Burst Power(mW)	66.83	66.83	66.83	66.83
	SAR required (Yes/No)	NO	YES	YES	NO
LTE Band 41	SAR test exclusion thresholds(mW)	1171.50	9.15	36.60	1251.50
	SAR Max. Avg. Burst Power(mW)	71.45	71.45	71.45	71.45
	SAR required (Yes/No)	NO	YES	YES	NO
LTE Band 66	SAR test exclusion thresholds(mW)	1192.51	11.25	45.00	1272.51
	SAR Max. Avg. Burst Power(mW)	331.13	331.13	331.13	331.13
	SAR required (Yes/No)	NO	YES	YES	NO

1-g SAR test exclusion thresholds for WLAN					
Test Mode \ Test position		Edge 1 (103mm)	Edge 2 (5mm)	Edge 3 (103mm)	Edge 4 (166mm)
2.4G BT	SAR test exclusion thresholds(mW)	626.01	9.60	626.01	1256.01
	SAR Max. Avg. Burst Power(mW)	1.674	1.674	1.674	1.674
	SAR required (Yes/No)	NO	NO	NO	NO
2.4G WIFI	SAR test exclusion thresholds(mW)	626.09	9.61	626.09	1256.09
	SAR Max. Avg. Burst Power(mW)	24.72	24.72	24.72	24.72
	SAR required (Yes/No)	NO	YES	NO	NO
5.2G WIFI	SAR test exclusion thresholds(mW)	595.84	6.58	595.84	1225.84
	SAR Max. Avg. Burst Power(mW)	11.48	11.48	11.48	11.48
	SAR required (Yes/No)	NO	YES	NO	NO
5.8G WIFI	SAR test exclusion thresholds(mW)	592.15	6.22	592.15	1222.15
	SAR Max. Avg. Burst Power(mW)	10.21	10.21	10.21	10.21
	SAR required (Yes/No)	NO	YES	NO	NO

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 and body tissue dielectric parameters recommended by the IEEE Std. 1528 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	707.5	44.39	0.82	20.8	Feb. 03, 2024
	710	43.26	0.85		
	750	42.55	0.87		

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	43.26	0.87	20.3	Feb. 01, 2024
	835	42.75	0.89		
	836.4	41.39	0.92		
	836.5	41.39	0.92		
	836.6	41.39	0.92		

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	43.79	1.28	20.9	Mar. 02, 2024
	1720	43.08	1.30		
	1732.4	42.66	1.32		
	1732.5	42.66	1.32		
	1745	41.68	1.34		
	1750	41.04	1.35		
	1752.6	40.39	1.36		
	1755	39.46	1.37		
	1770	38.67	1.39		

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	1852.4	41.68	1.35	20.7	Mar. 01, 2024
	1880	40.39	1.37		
	1900	39.12	1.39		
	1907.6	38.41	1.43		

Tissue Stimulant Measurement for 2300MHz					
Head	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)		
	2300	38.67	1.68	21.4	Feb. 04, 2024
	2310	37.66	1.70		
	2355	36.92	1.73		

Tissue Stimulant Measurement for 2450MHz					
Head	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)		
	2437	39.63	1.73	21.3	Feb. 18, 2024
	2450	38.24	1.76		

Tissue Stimulant Measurement for 2600MHz					
Head	Fr. (MHz)	Dielectric Parameters (±10%)		Tissue Temp [°C]	Test time
		εr39(35.1-42.9)	δ[s/m]1.96(1.764-2.156)		
	2535	41.72	1.93	20.4	Feb. 19, 2024
	2593	40.19	1.95		
	2595	39.67	1.96		
	2600	38.58	1.99		

Tissue Stimulant Measurement for 5200MHz					
Head	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)		
	5190	36.69	4.51	20.3	Feb. 28, 2024
	5200	35.23	4.60		

Tissue Stimulant Measurement for 5800MHz					
Head	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)		
	5785	35.37	5.18	19.7	Feb. 29, 2024
	5800	34.85	5.20		

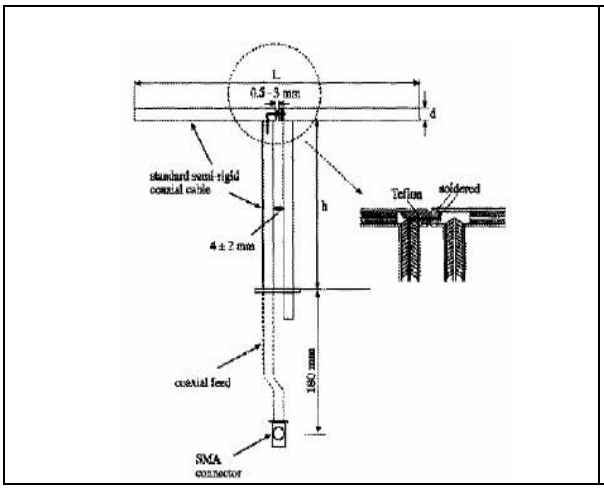
6. SAR SYSTEM CHECK PROCEDURE

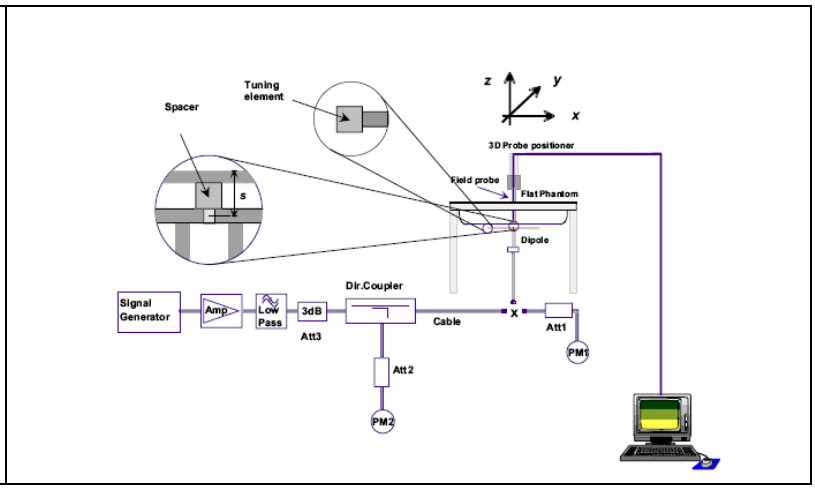
6.1. SAR System Check Procedures

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.

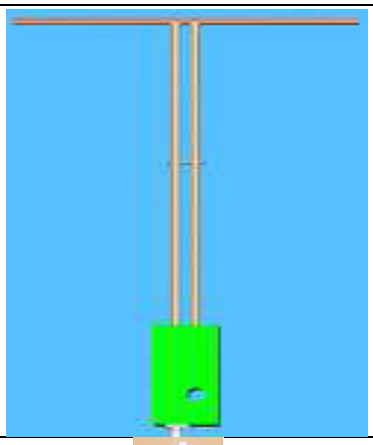
Each SATIMO system is equipped with one or more system check kits. These units, together with the predefined measurement procedures within the SATIMO software, enable the user to conduct the system check and system validation. System kit includes a dipole, and dipole device holder.

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 are based on the IEEE-1528 standard, and are 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 dipole 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 & 5200-5800MHz 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	8.91	5.62	20.8	Feb. 03, 2024
835	9.67	6.14	8.703-10.637	5.526-6.754	9.13	5.77	20.3	Feb. 01, 2024
1800	37.76	19.60	33.984-41.536	17.640-21.560	38.12	19.92	20.9	Mar. 02, 2024
1900	41.26	20.86	37.134-45.386	18.774-22.946	42.07	19.94	20.7	Mar. 01, 2024
2300	50.12	23.16	45.108-55.132	20.844-25.476	53.47	24.11	21.4	Feb. 04, 2024
2450	54.32	24.25	48.888-59.752	21.825-26.675	51.42	23.16	21.3	Feb. 18, 2024
2600	54.94	23.77	49.446-60.434	21.393-26.147	53.32	23.41	20.4	Feb. 19, 2024
5200	73.43	21.83	66.087-80.773	19.647-24.013	69.11	21.57	20.3	Feb. 28, 2024
5800	75.69	22.44	68.121-83.259	20.196-24.684	76.53	24.13	19.7	Feb. 29, 2024

Note:
(1) We use a CW signal of 18dBm or 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

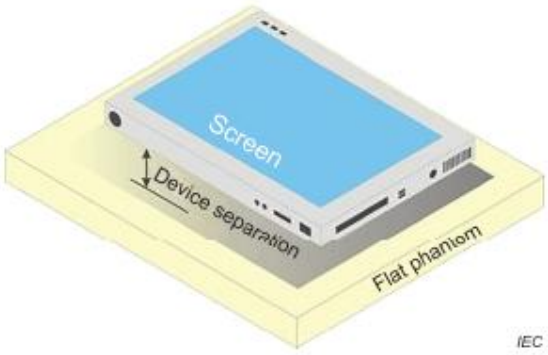
This EUT was tested in **Body back, Body front and 4 edges.**

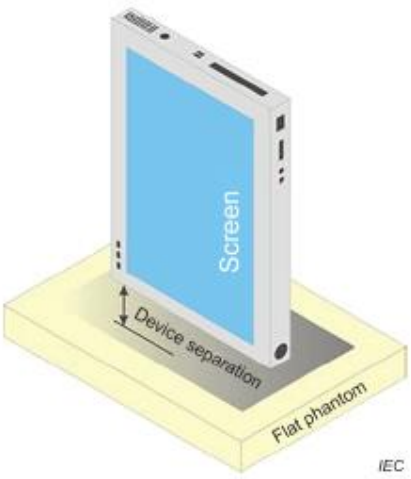
7.1. Test Position

(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	2023-EPGO-414	N/A	May 31, 2023	May 30, 2024
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	Jun. 03, 2023	Jun. 02, 2024
Comm Tester	R&S- CMW500	121209	V3.7.40	Jun. 01, 2023	May 31, 2024
Multimeter	Keithley 2000	4114939	N/A	Jun. 01, 2023	May 31, 2024
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	Jun. 01, 2023	May 31, 2024
Vector Analyzer	Agilent / E4440A	MY44303916	N/A	Jun. 01, 2023	May 31, 2024
Network Analyzer	Rhode & Schwarz ZVL6	SN101443	3.2	Sep. 21, 2023	Sep. 20, 2024
Attenuator	Warison /WATT-6SR1211	S/N:WRJ34AYM2F1	N/A	June 07, 2023	June 06, 2024
Attenuator	Mini-circuits / VAT-10+	31405	N/A	June 07, 2023	June 06, 2024
Amplifier	AS0104-55_55	1004793	N/A	N/A	N/A
Directional Couple	Werlatone/ C5571-10	SN99463	N/A	Feb. 01, 2024	Jan. 31, 2026
Directional Couple	Werlatone/ C6026-10	SN99482	N/A	Feb. 01, 2024	Jan. 31, 2026
Power Sensor	NRP-Z21	1137.6000.02	N/A	Sep. 05, 2023	Sep. 04, 2024
Power Sensor	NRP-Z23	100323	N/A	Jun. 06, 2023	Jun. 05, 2024
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	Nov. 11, 2023	Nov. 10, 2024

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- 2023-EPGO-414 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	1.695	R	1.732	0.707	0.707	0.692	0.692	∞
Hemispherical Isotropy	E.2.2	1.695	R	1.732	0.707	0.707	0.692	0.692	∞
Boundary effect	E.2.3	1.000	R	1.732	1	1	0.577	0.577	∞
Linearity	E.2.4	2.250	R	1.732	1	1	1.299	1.299	∞
System detection limits	E.2.4	1.000	R	1.732	1	1	0.577	0.577	∞
Modulation response	E2.5	3.000	R	1.732	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	1.732	1	1	0.000	0.000	∞
Integration Time	E.2.8	1.400	R	1.732	1	1	0.808	0.808	∞
RF ambient conditions-Noise	E.6.1	3.000	R	1.732	1	1	1.732	1.732	∞
RF ambient conditions-reflections	E.6.1	3.000	R	1.732	1	1	1.732	1.732	∞
Probe positioner mechanical tolerance	E.6.2	1.400	R	1.732	1	1	0.808	0.808	∞
Probe positioning with respect to phantom shell	E.6.3	1.400	R	1.732	1	1	0.808	0.808	∞
Extrapolation, interpolation, and integrations algorithms for max. SAR evaluation	E.5	2.300	R	1.732	1	1	1.328	1.328	∞
Test sample Related									
Test sample positioning	E.4.2	2.6	N	1	1	1	2.60	2.60	∞
Device holder uncertainty	E.4.1	3	N	1	1	1	3.00	3.00	∞
Output power variation—SAR drift measurement	E.2.9	5	R	1.732	1	1	2.89	2.89	∞
SAR scaling	E.6.5	5	R	1.732	1	1	2.89	2.89	∞
Phantom and tissue parameters									
Phantom shell uncertainty—shape, thickness, and permittivity	E.3.1	4	R	1.732	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	4	N	1	0.78	0.71	3.120	2.840	M
Liquid permittivity measurement	E.3.3	5	N	1	0.23	0.26	1.150	1.300	M
Liquid conductivity—temperature uncertainty	E.3.4	2.5	R	1.732	0.78	0.71	1.126	1.025	∞
Liquid permittivity—temperature uncertainty	E.3.4	2.5	R	1.732	0.23	0.26	0.332	0.375	∞
Combined Standard Uncertainty			RSS				10.616	10.432	
Expanded Uncertainty (95% Confidence interval)			K=2				21.232	20.865	

SATIMO Uncertainty- 2023-EPGO-414 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	1.695	R	1.732	1.000	1.000	0.979	0.979	∞
Hemispherical Isotropy	E.2.2	1.695	R	1.732	0.000	0.000	0.000	0.000	∞
Boundary effect	E.2.3	1.000	R	1.732	1.000	1.000	0.577	0.577	∞
Linearity	E.2.4	2.250	R	1.732	1.000	1.000	1.299	1.299	∞
System detection limits	E.2.4	1.000	R	1.732	1.000	1.000	0.577	0.577	∞
Modulation response	E2.5	3.000	R	1.732	0.000	0.000	0.000	0.000	∞
Readout Electronics	E.2.6	0.021	N	1.000	1.000	1.000	0.021	0.021	∞
Response Time	E.2.7	0.000	R	1.732	0.000	0.000	0.000	0.000	∞
Integration Time	E.2.8	1.400	R	1.732	0.000	0.000	0.000	0.000	∞
RF ambient conditions-Noise	E.6.1	3.000	R	1.732	1.000	1.000	1.732	1.732	∞
RF ambient conditions-reflections	E.6.1	3.000	R	1.732	1.000	1.000	1.732	1.732	∞
Probe positioner mechanical tolerance	E.6.2	1.400	R	1.732	1.000	1.000	0.808	0.808	∞
Probe positioning with respect to phantom shell	E.6.3	1.400	R	1.732	1.000	1.000	0.808	0.808	∞
Extrapolation, interpolation, and integrations algorithms for max. SAR evaluation	E.5	2.300	R	1.732	1.000	1.000	1.328	1.328	∞
System validation source									
Deviation of experimental dipole from numerical dipole	E.6.4	5	N	1	1	1	5	5	∞
Input power and SAR drift measurement	8,6.6.4	5	R	1.732	1	1	2.887	2.887	∞
Dipole axis to liquid distance	8,E.6.6	2	R	1.732	1	1	1.155	1.155	∞
Phantom and set-up									
Phantom shell uncertainty—shape, thickness, and permittivity	E.3.1	4	R	1.732	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	1.9	1.596	∞
Liquid conductivity（temperature uncertainty）	E.3.3	4	N	1	0.78	0.71	3.12	2.84	∞
Liquid conductivity（measured）	E.3.3	5	N	1	0.23	0.26	1.15	1.3	M
Liquid permittivity（temperature uncertainty）	E.3.4	2.5	R	1.732	0.78	0.71	1.126	1.025	∞
Liquid permittivity（measured）	E.3.4	2.5	R	1.732	0.23	0.26	0.332	0.375	M
Combined Standard Uncertainty			RSS				10.572	10.387	
Expanded Uncertainty (95% Confidence interval)			K=2				21.143	20.775	

SATIMO Uncertainty- 2023-EPGO-414 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	0.5	0.5	∞
Axial Isotropy	E.2.2	1.695	R	$\sqrt{3}$	0	0	0	0	∞
Hemispherical Isotropy	E.2.2	1.695	R	$\sqrt{3}$	0	0	0	0	∞
Boundary effect	E.2.3	1.000	R	$\sqrt{3}$	0	0	0	0	∞
Linearity	E.2.4	2.250	R	$\sqrt{3}$	0	0	0	0	∞
System detection limits	E.2.4	1	R	$\sqrt{3}$	0	0	0	0	∞
Modulation response	E2.5	3	R	$\sqrt{3}$	0	0	0	0	∞
Readout Electronics	E.2.6	0.021	N	$\sqrt{3}$	0	0	0	0	∞
Response Time	E.2.7	0	R	$\sqrt{3}$	0	0	0	0	∞
Integration Time	E.2.8	1.4	R	$\sqrt{3}$	0	0	0	0	∞
RF ambient conditions-Noise	E.6.1	3	R	$\sqrt{3}$	0	0	0	0	∞
RF ambient conditions-reflections	E.6.1	3	R	$\sqrt{3}$	0	0	0	0	∞
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	0.00	∞
System check source (dipole)									
Deviation of experimental dipoles	E.6.4	2	N	1	1	1	2	2	∞
Input power and SAR drift measurement	8,6.6.4	5	R	$\sqrt{3}$	1	1	2.89	2.89	∞
Dipole axis to liquid distance	8,E.6.6	2	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	1.000	1	0.84	1.90	1.60	∞
Liquid conductivity measurement	E.3.3	4	N	1.000	0.78	0.71	3.12	2.84	∞
Liquid permittivity measurement	E.3.3	5	N	1.000	0.23	0.26	1.15	1.30	M
Liquid conductivity—temperature uncertainty	E.3.4	2.5	R	$\sqrt{3}$	0.78	0.71	1.13	1.02	∞
Liquid permittivity—temperature uncertainty	E.3.4	2.5	R	$\sqrt{3}$	0.23	0.26	0.33	0.38	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	34.27	-9	25.27
	836.6	33.83	-9	24.83
	848.8	33.96	-9	24.96
GPRS 850 （1 Slot）	824.2	**34.32**	-9	25.32
	836.6	33.83	-9	24.83
	848.8	34.01	-9	25.01
GPRS 850 （2 Slot）	824.2	32.55	-6	**26.55**
	836.6	31.43	-6	25.43
	848.8	31.49	-6	25.49
GPRS 850 （3 Slot）	824.2	30.29	-4.26	26.03
	836.6	29.78	-4.26	25.52
	848.8	29.81	-4.26	25.55
GPRS 850 （4 Slot）	824.2	28.53	-3	25.53
	836.6	27.67	-3	24.67
	848.8	27.55	-3	24.55
EGPRS 850 （1 Slot）	824.2	27.93	-9	18.93
	836.6	27.01	-9	18.01
	848.8	27.09	-9	18.09
EGPRS 850 （2 Slot）	824.2	25.36	-6	19.36
	836.6	25.12	-6	19.12
	848.8	25.34	-6	19.34
EGPRS 850 （3 Slot）	824.2	23.78	-4.26	19.52
	836.6	23.63	-4.26	19.37
	848.8	23.71	-4.26	19.45
EGPRS 850 （4 Slot）	824.2	21.55	-3	18.55
	836.6	21.77	-3	18.77
	848.8	21.13	-3	18.13

Mode	Frequency(MHz)	Avg. Burst Power(dBm)	Duty cycle Factor(dBm)	Frame Power(dBm)
Maximum Power <2>				
GSM 850	824.2	32.07	-9	23.07
	836.6	31.37	-9	22.37
	848.8	31.47	-9	22.47
GPRS 850 （1 Slot）	824.2	32.52	-9	23.52
	836.6	31.61	-9	22.61
	848.8	31.89	-9	22.89
GPRS 850 （2 Slot）	824.2	32.52	-6	26.52
	836.6	30.85	-6	24.85
	848.8	31.32	-6	25.32
GPRS 850 （3 Slot）	824.2	30.04	-4.26	25.78
	836.6	29.67	-4.26	25.41
	848.8	29.14	-4.26	24.88
GPRS 850 （4 Slot）	824.2	27.70	-3	24.70
	836.6	27.38	-3	24.38
	848.8	26.85	-3	23.85

GSM BAND CONTINUE

Mode	Frequency(MHz)	Avg. Burst Power(dBm)	Duty cycle Factor(dBm)	Frame Power(dBm)
Maximum Power <1>				
PCS1900	1850.2	31.58	-9	22.58
	1880	31.44	-9	22.44
	1909.8	31.09	-9	22.09
GPRS1900 （1 Slot）	1850.2	**31.68**	-9	22.68
	1880	31.51	-9	22.51
	1909.8	31.20	-9	22.20
GPRS1900 （2 Slot）	1850.2	29.47	-6	23.47
	1880	29.63	-6	**23.63**
	1909.8	29.37	-6	23.37
GPRS1900 （3 Slot）	1850.2	27.55	-4.26	23.29
	1880	27.36	-4.26	23.10
	1909.8	27.18	-4.26	22.92
GPRS1900 （4 Slot）	1850.2	25.39	-3	22.39
	1880	25.11	-3	22.11
	1909.8	25.39	-3	22.39
EGPRS1900 （1 Slot）	1850.2	25.82	-9	16.82
	1880	25.84	-9	16.84
	1909.8	25.48	-9	16.48
EGPRS1900 （2 Slot）	1850.2	23.10	-6	17.10
	1880	23.02	-6	17.02
	1909.8	23.08	-6	17.08
EGPRS1900 （3 Slot）	1850.2	21.78	-4.26	17.52
	1880	21.96	-4.26	17.70
	1909.8	21.74	-4.26	17.48
EGPRS1900 （4 Slot）	1850.2	19.90	-3	16.90
	1880	19.52	-3	16.52
	1909.8	19.37	-3	16.37

Mode	Frequency(MHz)	Avg. Burst Power(dBm)	Duty cycle Factor(dBm)	Frame Power(dBm)
Maximum Power <2>				
PCS1900	1850.2	29.28	-9	20.28
	1880	29.32	-9	20.32
	1909.8	28.99	-9	19.99
GPRS1900 （1 Slot）	1850.2	29.85	-9	20.85
	1880	29.54	-9	20.54
	1909.8	29.09	-9	20.09
GPRS1900 （2 Slot）	1850.2	29.18	-6	23.18
	1880	28.69	-6	22.69
	1909.8	28.81	-6	22.81
GPRS1900 （3 Slot）	1850.2	26.82	-4.26	22.56
	1880	26.64	-4.26	22.38
	1909.8	26.93	-4.26	22.67
GPRS1900 （4 Slot）	1850.2	25.07	-3	22.07
	1880	24.87	-3	21.87
	1909.8	25.13	-3	22.13

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
Note 2:
SAR is not required for GPRS (1 Slot) Mode because its output power is less than of Voice Mode

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	23.17
	1880	23.13
	1907.6	**23.18**
HSDPA Subtest 1	1852.4	22.26
	1880	22.11
	1907.6	22.16
HSDPA Subtest 2	1852.4	21.69
	1880	21.63
	1907.6	21.65
HSDPA Subtest 3	1852.4	21.73
	1880	21.63
	1907.6	21.67
HSDPA Subtest 4	1852.4	21.72
	1880	21.62
	1907.6	21.67
HSUPA Subtest 1	1852.4	20.24
	1880	20.15
	1907.6	20.20
HSUPA Subtest 2	1852.4	20.76
	1880	20.69
	1907.6	20.66
HSUPA Subtest 3	1852.4	21.21
	1880	21.16
	1907.6	21.19
HSUPA Subtest 4	1852.4	20.25
	1880	20.14
	1907.6	20.18
HSUPA Subtest 5	1852.4	22.27
	1880	22.15
	1907.6	22.19

UMTS BAND IV

Mode	Frequency (MHz)	Avg. Burst Power (dBm)
WCDMA 1700 RMC	1712.4	22.78
	1732.4	**22.84**
	1752.6	22.82
HSDPA Subtest 1	1712.4	21.83
	1732.4	21.85
	1752.6	21.89
HSDPA Subtest 2	1712.4	21.29
	1732.4	21.33
	1752.6	21.42
HSDPA Subtest 3	1712.4	21.29
	1732.4	21.31
	1752.6	21.41
HSDPA Subtest 4	1712.4	21.29
	1732.4	21.31
	1752.6	21.37
HSUPA Subtest 1	1712.4	19.80
	1732.4	19.83
	1752.6	19.87
HSUPA Subtest 2	1712.4	20.29
	1732.4	20.29
	1752.6	20.36
HSUPA Subtest 3	1712.4	20.82
	1732.4	20.84
	1752.6	20.90
HSUPA Subtest 4	1712.4	19.76
	1732.4	19.84
	1752.6	19.88
HSUPA Subtest 5	1712.4	21.84
	1732.4	21.84
	1752.6	21.89

UMTS BAND V

Mode	Frequency (MHz)	Avg. Burst Power (dBm)
WCDMA 850 RMC	826.4	**23.55**
	836.4	23.37
	846.6	23.50
WCDMA 850 AMR	826.4	22.53
	836.4	22.42
	846.6	22.53
HSDPA Subtest 1	826.4	22.02
	836.4	21.92
	846.6	22.02
HSDPA Subtest 2	826.4	22.05
	836.4	21.92
	846.6	22.05
HSDPA Subtest 3	826.4	22.04
	836.4	21.88
	846.6	22.10
HSDPA Subtest 4	826.4	21.23
	836.4	21.23
	846.6	21.05
HSUPA Subtest 1	826.4	20.52
	836.4	20.12
	846.6	20.12
HSUPA Subtest 2	826.4	20.12
	836.4	20.30
	846.6	20.35
HSUPA Subtest 3	826.4	20.37
	836.4	20.19
	846.6	20.33
HSUPA Subtest 4	826.4	22.56
	836.4	22.71
	846.6	22.41
HSUPA Subtest 5	826.4	23.55
	836.4	23.37
	846.6	23.50

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 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	21.25	21.32	21.48
			3	0	21.52	21.44	21.56
			5	0	21.25	21.35	21.45
		3	0	0	21.34	21.41	21.56
			2	0	21.33	21.39	**21.59**
			3	0	21.39	21.38	21.57
		6	0	1	20.24	20.30	20.50
	16QAM	1	0	1	20.42	20.39	20.61
			3	1	20.48	20.56	20.69
			5	1	20.42	20.42	20.56
		3	0	1	20.21	20.25	20.40
			2	1	20.18	20.22	20.37
			3	1	20.18	20.23	20.36
		6	0	2	19.11	19.35	19.51
Bandwidth	**Modulation**	**RB size**	**RB offset**	**Target MPR**	**Channel**	**Channel**	**Channel**
					18615	**18900**	**19185**
3MHz	QPSK	1	0	0	21.25	21.31	21.44
			7	0	21.28	21.38	21.46
			14	0	21.31	21.33	21.43
		8	0	1	20.17	20.24	20.39
			4	1	20.20	20.25	20.39
			7	1	20.22	20.25	20.42
		15	0	1	20.16	20.27	20.40
	16QAM	1	0	1	20.39	20.45	20.67
			7	1	20.34	20.44	20.61
			14	1	20.36	20.42	20.51
		8	0	2	19.23	19.29	19.44
			4	2	19.23	19.33	19.45
			7	2	19.23	19.28	19.46
		15	0	2	19.18	19.25	19.39

Conducted Power of LTE Band 2(dBm)							
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel 18625	Channel 18900	Channel 19175
5MHz	QPSK	1	0	0	21.20	21.30	21.44
			13	0	21.41	21.42	21.35
			24	0	21.28	21.28	21.11
		12	0	1	20.11	20.12	20.30
			6	1	20.13	20.13	20.15
			13	1	20.23	20.04	20.35
		25	0	1	20.24	19.82	20.39
	16QAM	1	0	1	20.18	20.24	20.33
			13	1	20.38	20.38	20.33
			24	1	20.19	20.02	20.01
		12	0	2	19.09	18.89	19.07
			6	2	19.16	19.07	19.03
			13	2	19.21	18.92	19.32
		25	0	2	19.27	18.81	19.38
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel 18650	Channel 18900	Channel 19150
10MHz	QPSK	1	0	0	21.23	21.21	21.36
			25	0	21.38	21.36	21.54
			49	0	21.18	21.25	21.36
		25	0	1	20.10	20.23	20.41
			13	1	20.12	20.28	20.41
			25	1	20.38	20.32	20.59
		50	0	1	20.22	20.22	20.32
	16QAM	1	0	1	20.39	20.34	20.46
			25	1	20.49	20.51	20.54
			49	1	20.34	20.38	20.40
		25	0	2	19.09	19.25	19.37
			13	2	19.10	19.17	19.41
			25	2	19.32	19.31	19.59
		50	0	2	19.17	19.22	19.32

Conducted Power of LTE Band 2(dBm)							
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel 18675	Channel 18900	Channel 19125
15MHz	QPSK	1	0	0	21.14	21.11	21.19
			38	0	21.18	21.26	21.37
			74	0	21.01	21.11	21.27
		36	0	1	20.16	20.30	20.55
			18	1	20.14	20.26	20.34
			39	1	20.14	20.04	20.24
		75	0	1	20.14	20.18	20.16
	16QAM	1	0	1	20.26	20.23	20.30
			38	1	20.39	20.39	20.51
			74	1	20.20	20.30	20.30
		36	0	2	20.13	20.28	20.59
			18	2	20.15	20.32	20.23
			39	2	20.16	20.26	20.21
		75	0	2	19.10	18.84	19.15
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel 18700	Channel 18900	Channel 19100
20MHz	QPSK	1	0	0	21.14	21.07	21.16
			50	0	21.40	21.43	21.52
			99	0	21.02	21.19	21.28
		50	0	1	19.80	20.13	20.40
			25	1	19.77	20.15	20.43
			50	1	19.93	20.34	20.44
		100	0	1	19.86	20.27	20.44
	16QAM	1	0	1	20.13	20.06	20.16
			50	1	20.30	20.41	20.35
			99	1	20.00	20.14	20.26
		50	0	2	18.79	19.13	19.35
			25	2	18.79	19.13	19.39
			50	2	18.89	19.36	19.39
		100	0	2	18.86	19.24	19.41

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	21.04	20.92	21.11
			3	0	21.17	20.95	21.22
			5	0	20.98	20.91	21.08
		3	0	0	21.11	21.00	21.18
			2	0	21.07	20.99	21.17
			3	0	21.11	21.02	21.17
		6	0	1	19.95	19.91	20.04
	16QAM	1	0	1	19.84	20.00	20.18
			3	1	19.96	20.14	20.32
			5	1	19.81	20.04	20.13
		3	0	1	19.83	19.86	20.00
			2	1	19.84	19.81	19.95
			3	1	19.85	19.84	19.86
		6	0	2	18.94	18.89	19.09
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel	Channel	Channel
					19965	20175	20385
3MHz	QPSK	1	0	0	20.99	20.97	21.05
			7	0	21.04	20.96	21.10
			14	0	20.96	20.95	21.09
		8	0	1	20.01	19.92	20.07
			4	1	20.01	19.90	20.06
			7	1	19.99	19.88	20.08
		15	0	1	19.93	19.89	20.03
	16QAM	1	0	1	20.13	20.14	20.29
			7	1	20.13	20.11	20.22
			14	1	20.18	20.05	20.22
		8	0	2	19.00	18.90	19.08
			4	2	18.99	18.88	19.13
			7	2	18.92	18.86	19.08
		15	0	2	18.88	18.80	19.03

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	20.96	20.91	21.03
			13	0	21.15	21.11	21.26
			24	0	20.99	20.97	21.08
		12	0	1	19.96	19.86	20.05
			6	1	19.95	19.84	20.02
			13	1	19.96	19.88	19.98
		25	0	1	19.96	19.91	20.01
	16QAM	1	0	1	19.94	20.05	19.93
			13	1	20.16	20.23	20.16
			24	1	19.96	20.07	20.03
		12	0	2	18.91	18.92	19.00
			6	2	18.92	18.96	18.98
			13	2	18.92	18.93	18.93
		25	0	2	18.91	18.88	19.04
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel 20000	Channel 20175	Channel 20350
10MHz	QPSK	1	0	0	21.04	21.04	21.04
			25	0	21.16	21.11	21.19
			49	0	21.02	20.96	21.08
		25	0	1	19.98	19.92	20.07
			13	1	20.01	19.91	20.00
			25	1	19.97	19.91	19.96
		50	0	1	20.01	19.93	19.97
	16QAM	1	0	1	20.23	20.14	20.21
			25	1	20.34	20.21	20.29
			49	1	20.19	20.06	20.22
		25	0	2	18.96	18.89	19.03
			13	2	18.91	18.96	19.01
			25	2	18.90	18.99	18.91
		50	0	2	18.87	18.92	19.02

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	20.96	21.00	20.90
			38	0	21.08	21.04	21.15
			74	0	21.04	20.92	21.06
		36	0	1	20.09	19.99	20.15
			18	1	20.05	19.99	20.10
			39	1	20.07	20.00	20.17
		75	0	1	20.08	19.96	20.11
	16QAM	1	0	1	20.15	20.23	20.08
			38	1	20.25	20.29	20.27
			74	1	20.11	20.01	20.29
		36	0	2	20.11	19.99	20.11
			18	2	20.03	19.97	20.13
			39	2	20.09	19.95	20.13
		75	0	2	18.99	18.92	19.06
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel 20050	Channel 20175	Channel 20300
20MHz	QPSK	1	0	0	20.95	21.01	21.01
			50	0	21.23	21.10	**21.35**
			99	0	20.96	20.95	21.11
		50	0	1	19.96	19.88	20.02
			25	1	20.00	19.85	20.05
			50	1	19.97	19.90	19.96
		100	0	1	20.07	19.80	19.94
	16QAM	1	0	1	19.98	20.09	19.93
			50	1	20.34	20.23	20.31
			99	1	19.96	20.04	20.09
		50	0	2	18.94	18.94	19.00
			25	2	18.87	18.86	19.01
			50	2	18.95	18.89	18.94
		100	0	2	18.94	18.81	18.97

Conducted Power of LTE Band 5(dBm)							
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel	Channel	Channel
					20407	20525	20643
1.4MHz	QPSK	1	0	0	21.56	21.52	21.44
			3	0	21.67	21.76	21.66
			5	0	21.60	21.49	21.44
		3	0	0	21.58	21.56	21.45
			2	0	21.57	21.55	21.46
			3	0	21.63	21.57	21.50
		6	0	1	20.58	20.53	20.43
	16QAM	1	0	1	20.66	20.33	20.39
			3	1	20.84	20.61	20.65
			5	1	20.70	20.29	20.42
		3	0	1	20.49	20.26	20.20
			2	1	20.47	20.26	20.28
			3	1	20.46	20.26	20.23
		6	0	2	19.39	19.44	19.43
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel	Channel	Channel
					20415	20525	20635
3MHz	QPSK	1	0	0	21.41	21.39	21.69
			7	0	21.42	21.44	21.33
			14	0	21.45	21.43	21.38
		8	0	1	20.40	20.27	20.30
			4	1	20.43	20.29	20.30
			7	1	20.44	20.28	20.28
		15	0	1	20.36	20.32	20.23
	16QAM	1	0	1	20.60	20.42	20.48
			7	1	20.57	20.43	20.07
			14	1	20.49	20.41	20.22
		8	0	2	19.37	19.29	19.29
			4	2	19.39	19.30	19.27
			7	2	19.39	19.25	19.25
		15	0	2	19.30	19.20	19.16

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	21.39	21.36	21.37
			13	0	21.54	21.49	21.47
			24	0	21.38	21.37	21.40
		12	0	1	20.38	20.29	20.22
			6	1	20.38	20.26	20.17
			13	1	20.32	20.23	20.16
		25	0	1	20.44	20.30	20.18
	16QAM	1	0	1	20.39	20.37	20.31
			13	1	20.50	20.55	20.39
			24	1	20.34	20.48	20.31
		12	0	2	19.29	19.31	19.15
			6	2	19.24	19.32	19.19
			13	2	19.26	19.20	19.11
		25	0	2	19.33	19.22	19.23
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel 20450	Channel 20525	Channel 20600
10MHz	QPSK	1	0	0	21.39	**24.44**	21.43
			25	0	21.51	21.63	21.51
			49	0	21.37	21.45	21.47
		25	0	1	20.46	20.38	20.33
			13	1	20.43	20.34	20.39
			25	1	20.40	20.23	20.32
		50	0	1	23.46	20.31	20.32
	16QAM	1	0	1	20.57	20.53	20.28
			25	1	20.62	20.57	20.40
			49	1	20.46	20.54	20.24
		25	0	2	19.34	19.34	19.45
			13	2	19.35	19.34	19.45
			25	2	19.38	19.25	19.33
		50	0	2	22.46	19.25	19.32

Conducted Power of LTE Band 7 (dBm)							
Bandwidth	**Modulation**	**RB size**	**RB offset**	**Target MPR**	**Channel**	**Channel**	**Channel**
					20775	**21100**	**21425**
5MHz	QPSK	1	0	0	20.40	20.40	20.17
			12	0	**20.45**	20.37	19.72
			24	0	20.39	20.02	19.63
		12	0	1	19.36	19.31	18.61
			6	1	19.36	19.17	18.60
			13	1	19.41	19.25	18.59
		25	0	1	19.34	19.20	18.59
	16QAM	1	0	1	19.30	18.96	18.62
			12	1	19.39	19.13	18.69
			24	1	19.28	18.87	18.54
		12	0	2	18.26	18.15	17.51
			6	2	18.25	18.08	17.52
			13	2	18.31	18.15	17.51
		25	0	2	18.28	18.17	17.53
Bandwidth	**Modulation**	**RB size**	**RB offset**	**Target MPR**	**Channel**	**Channel**	**Channel**
					20800	**21100**	**21400**
10MHz	QPSK	1	0	0	19.87	20.02	19.79
			24	0	20.02	19.98	19.91
			49	0	19.80	19.88	19.61
		25	0	1	18.85	18.92	18.78
			12	1	18.85	18.95	18.70
			25	1	18.89	19.00	18.74
		50	0	1	18.86	18.91	18.74
	16QAM	1	0	1	18.97	18.98	18.86
			24	1	19.08	19.04	18.91
			49	1	18.96	19.02	18.78
		25	0	2	17.82	17.87	17.65
			12	2	17.77	17.87	17.70
			25	2	17.84	17.92	17.62
		50	0	2	17.79	17.86	17.65

Conducted Power of LTE Band 7 (dBm)							
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel	Channel	Channel
					20825	21100	21375
15MHz	QPSK	1	0	0	19.80	19.80	19.71
			37	0	19.82	19.91	19.74
			74	0	19.73	19.83	19.57
		37	0	1	18.96	19.04	18.87
			16	1	19.01	19.05	18.90
			35	1	18.98	19.08	18.86
		75	0	1	18.97	19.05	18.89
	16QAM	1	0	1	18.93	19.00	18.83
			37	1	18.95	19.05	18.89
			74	1	18.83	18.97	18.67
		37	0	2	19.02	19.08	18.87
			16	2	18.97	19.07	18.90
			35	2	19.01	19.08	18.91
		75	0	2	17.82	17.89	17.68
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel	Channel	Channel
					20850	21100	21350
20MHz	QPSK	1	0	0	19.78	20.09	20.14
			49	0	19.97	20.15	20.02
			99	0	19.71	19.83	19.59
		50	0	1	18.76	18.83	18.81
			25	1	18.76	18.85	18.82
			49	1	18.82	18.96	18.80
		100	0	1	18.79	18.88	18.75
	16QAM	1	0	1	18.77	18.82	18.69
			49	1	19.04	19.17	18.91
			99	1	18.72	18.81	18.58
		50	0	2	17.71	17.78	17.70
			25	2	17.70	17.78	17.72
			49	2	17.70	17.85	17.62
		100	0	2	17.69	17.91	17.68

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	22.05	21.93	21.83
			3	0	22.17	22.04	21.95
			5	0	22.01	21.95	21.85
		3	0	0	22.16	21.88	21.97
			2	0	22.15	21.90	21.97
			3	0	22.17	21.95	21.96
		6	0	1	21.02	20.84	20.84
	16QAM	1	0	1	21.17	21.06	20.89
			3	1	21.46	21.17	21.12
			5	1	21.16	21.09	20.91
		3	0	1	20.98	20.83	20.74
			2	1	20.96	20.63	20.75
			3	1	20.96	20.76	20.73
		6	0	2	19.69	19.75	19.85
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel	Channel	Channel
					23025	23095	23165
3MHz	QPSK	1	0	0	22.11	21.99	21.90
			7	0	22.06	21.97	21.88
			14	0	22.08	21.98	21.89
		8	0	1	21.03	20.92	20.85
			4	1	21.03	20.89	20.88
			7	1	21.01	20.89	20.89
		15	0	1	21.01	20.87	20.82
	16QAM	1	0	1	21.22	21.12	21.08
			7	1	21.25	21.09	20.96
			14	1	21.19	21.05	20.92
		8	0	2	20.01	19.82	19.87
			4	2	20.00	19.82	19.86
			7	2	20.01	19.83	19.83
		15	0	2	19.93	19.77	19.78

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	22.09	21.97	21.92
			13	0	**22.26**	22.10	22.09
			24	0	22.00	21.95	21.88
		12	0	1	21.05	21.00	20.89
			6	1	21.06	20.94	20.86
			13	1	21.00	20.89	20.86
		25	0	1	20.99	20.95	20.91
	16QAM	1	0	1	21.05	21.14	20.89
			13	1	21.18	21.22	20.99
			24	1	21.00	21.10	20.78
		12	0	2	19.95	19.88	19.78
			6	2	19.93	19.91	19.82
			13	2	19.90	19.76	19.77
		25	0	2	20.00	19.83	19.86
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel 23060	Channel 23095	Channel 23130
10MHz	QPSK	1	0	0	22.10	21.98	21.98
			25	0	22.13	22.09	22.08
			49	0	21.95	21.94	21.92
		25	0	1	21.02	20.91	21.00
			13	1	21.01	20.88	21.02
			25	1	20.93	20.83	21.05
		50	0	1	20.98	20.90	20.97
	16QAM	1	0	1	21.19	21.17	21.18
			25	1	21.25	21.16	21.26
			49	1	21.13	21.08	21.00
		25	0	2	19.93	19.85	19.93
			13	2	19.87	19.90	19.92
			25	2	19.85	19.77	19.92
		50	0	2	19.86	19.81	19.97

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	22.19	22.19	22.16
			13	0	**22.34**	22.33	22.29
			24	0	22.16	22.13	22.02
		12	0	1	21.14	21.19	21.11
			6	1	21.14	21.23	21.14
			13	1	21.13	21.13	21.13
		25	0	1	21.18	21.19	21.11
	16QAM	1	0	1	21.25	21.22	21.35
			13	1	21.31	21.34	21.44
			24	1	21.19	21.17	21.16
		12	0	2	20.01	20.12	20.10
			6	2	20.06	20.10	20.09
			13	2	20.06	20.07	20.09
		25	0	2	20.05	20.17	20.02
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel	Channel	Channel
					23780	23790	23800
10MHz	QPSK	1	0	0	22.16	22.24	22.19
			25	0	22.34	22.34	22.33
			49	0	22.07	22.09	22.07
		25	0	1	21.22	21.26	21.30
			13	1	21.24	21.32	21.33
			25	1	21.14	21.19	21.22
		50	0	1	21.17	21.22	21.25
	16QAM	1	0	1	21.40	21.37	21.40
			25	1	21.52	21.49	21.53
			49	1	21.31	21.23	21.20
		25	0	2	20.15	20.28	20.26
			13	2	20.13	20.25	20.28
			25	2	20.02	20.18	20.23
		50	0	2	20.15	20.14	20.19

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	19.69	19.64	19.63
			2	0	19.67	19.67	19.68
			5	0	19.67	19.62	19.64
		3	0	0	19.73	19.70	19.67
			1	0	19.70	19.71	19.70
			3	0	19.69	19.70	19.72
		6	0	1	18.88	18.82	18.80
	16QAM	1	0	1	18.71	18.64	18.64
			2	1	18.76	18.76	18.77
			5	1	18.70	18.67	18.73
		3	0	1	18.64	18.60	18.55
			1	1	18.60	18.58	18.54
			3	1	18.58	18.57	18.56
		6	0	2	17.74	17.85	17.71
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel	Channel	Channel
					26805	26915	27025
3MHz	QPSK	1	0	0	19.48	19.50	19.57
			8	0	19.66	19.64	19.64
			14	0	19.62	19.55	19.56
		8	0	1	18.72	18.72	18.81
			4	1	18.73	18.70	18.76
			7	1	18.81	18.75	18.71
		15	0	1	18.68	18.70	18.70
	16QAM	1	0	1	18.59	18.56	18.29
			8	1	18.69	18.71	18.45
			14	1	18.55	18.63	18.39
		8	0	2	17.64	17.77	17.72
			4	2	17.71	17.71	17.70
			7	2	17.67	17.75	17.72
		15	0	2	17.64	17.63	17.59

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	19.82	19.79	19.82
			12	0	19.96	19.94	**19.98**
			24	0	19.12	19.82	19.82
		12	0	1	18.72	18.73	19.01
			6	1	18.71	18.75	19.02
			13	1	18.55	18.89	18.60
		25	0	1	18.63	18.84	18.91
	16QAM	1	0	1	18.74	18.79	18.62
			12	1	18.78	19.09	18.79
			24	1	18.61	18.96	18.77
		12	0	2	17.65	17.77	17.98
			6	2	17.68	17.79	17.96
			13	2	17.41	17.93	17.62
		25	0	2	17.57	17.83	17.87
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel	Channel	Channel
					26840	26915	26990
10MHz	QPSK	1	0	0	19.79	19.90	19.87
			24	0	19.96	19.84	19.83
			49	0	19.86	19.80	19.85
		25	0	1	18.91	18.77	18.48
			12	1	18.92	18.81	18.50
			25	1	18.54	19.16	18.29
		50	0	1	18.78	18.99	18.48
	16QAM	1	0	1	18.96	18.73	18.72
			24	1	18.82	19.00	18.65
			49	1	18.83	18.90	18.74
		25	0	2	17.77	17.81	17.52
			12	2	17.79	17.85	17.49
			25	2	17.35	18.20	17.34
		50	0	2	17.63	18.04	17.40

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	19.74	19.65	19.76
			38	0	19.91	19.86	19.82
			74	0	19.78	19.76	19.79
		38	0	1	19.10	19.07	18.51
			18	1	19.05	19.08	18.51
			37	1	19.09	19.11	18.52
		75	0	1	19.06	19.07	18.51
	16QAM	1	0	1	18.85	18.82	18.62
			38	1	18.84	19.10	18.68
			74	1	18.93	18.83	18.65
		38	0	2	19.07	19.05	18.49
			18	2	19.07	19.05	18.49
			37	2	19.10	19.09	18.52
		75	0	2	17.95	18.06	17.45

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	22.34	22.39	22.40
			2	0	**22.77**	22.49	22.48
			5	0	22.68	22.44	22.39
		3	0	0	22.33	22.50	22.46
			1	0	22.34	22.51	22.47
			3	0	22.35	22.47	22.48
		6	0	1	21.84	21.59	21.57
	16QAM	1	0	1	21.37	21.50	21.37
			2	1	21.37	21.61	21.44
			5	1	21.33	21.54	21.35
		3	0	1	21.31	21.46	21.53
			1	1	21.31	21.45	21.57
			3	1	21.36	21.47	21.52
		6	0	2	20.46	20.64	20.51
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel	Channel	Channel
					26705	26740	26775
3MHz	QPSK	1	0	0	21.01	22.30	22.23
			8	0	22.51	22.42	22.29
			14	0	22.27	22.34	22.27
		8	0	1	21.63	21.49	21.39
			4	1	21.67	21.49	21.42
			7	1	21.54	21.53	21.47
		15	0	1	21.49	21.49	21.45
	16QAM	1	0	1	21.30	21.19	21.44
			8	1	21.42	21.30	21.46
			14	1	21.34	21.21	21.38
		8	0	2	20.43	20.47	20.38
			4	2	20.43	20.49	20.37
			7	2	20.40	20.51	20.52
		15	0	2	20.34	20.41	20.40

Conducted Power of LTE Band 26B(dBm)							
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel 26715	Channel 26740	Channel 26765
5MHz	QPSK	1	0	0	22.66	22.58	22.58
			12	0	22.74	22.72	22.62
			24	0	22.57	22.65	22.52
		12	0	1	21.62	21.45	21.41
			6	1	21.61	21.51	21.42
			13	1	21.60	21.69	21.72
		25	0	1	21.58	21.59	21.60
	16QAM	1	0	1	21.44	21.45	21.77
			12	1	21.57	21.74	21.88
			24	1	21.64	21.57	21.69
		12	0	2	20.52	20.47	20.43
			6	2	20.49	20.49	20.40
			13	2	20.57	20.74	20.72
		25	0	2	20.58	20.67	20.62
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel 26740		
10MHz	QPSK	1	0	0	22.68		
			24	0	22.66		
			49	0	22.60		
		25	0	1	21.54		
			12	1	21.53		
			25	1	22.04		
		50	0	1	21.82		
	16QAM	1	0	1	21.59		
			24	1	21.85		
			49	1	21.77		
		25	0	2	20.52		
			12	2	20.55		
			25	2	21.02		
		50	0	2	20.82		

Conducted Power of LTE Band 26B(dBm)					
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel
					26765
15MHz	QPSK	1	0	0	22.64
			38	0	22.63
			74	0	22.56
		38	0	1	21.58
			18	1	21.63
			37	1	21.61
		75	0	1	21.57
	16QAM	1	0	1	21.51
			38	1	21.80
			74	1	21.49
		38	0	2	21.63
			18	2	21.59
			37	2	21.60
		75	0	2	20.51

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	18.47	18.20	18.52
			12	0	18.58	18.41	18.64
			24	0	18.40	18.34	18.55
		12	0	1	17.46	17.29	17.59
			6	1	17.47	17.24	17.53
			13	1	17.44	17.35	17.55
		25	0	1	17.48	17.31	17.57
	16QAM	1	0	1	17.69	17.53	17.80
			12	1	17.82	17.77	17.95
			24	1	17.62	17.68	17.82
		12	0	2	16.43	16.22	16.55
			6	2	16.40	16.17	16.56
			13	2	16.39	16.26	16.58
		25	0	2	16.41	16.29	16.56
Bandwidth	**Modulation**	**RB size**	**RB offset**	**Target MPR**	**Channel**	**Channel**	**Channel**
					37800	**38000**	**38200**
10MHz	QPSK	1	0	0	18.53	18.31	18.60
			24	0	18.50	18.42	18.67
			49	0	18.44	18.43	**18.68**
		25	0	1	17.44	17.29	17.61
			12	1	17.44	17.31	17.58
			25	1	17.42	17.38	17.57
		50	0	1	17.44	17.32	17.60
	16QAM	1	0	1	17.86	17.20	17.57
			24	1	17.81	17.33	17.69
			49	1	17.81	17.38	17.70
		25	0	2	16.55	16.28	16.61
			12	2	16.56	16.28	16.57
			25	2	16.51	16.39	16.63
		50	0	2	16.46	16.30	16.59

Conducted Power of LTE Band 38 (dBm)							
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel 37825	Channel 38000	Channel 38175
15MHz	QPSK	1	0	0	18.44	18.39	18.41
			38	0	18.45	18.46	18.63
			74	0	18.31	18.49	18.60
		37	0	1	17.37	17.31	17.50
			18	1	17.38	17.33	17.50
			37	1	17.38	17.32	17.53
		75	0	1	17.41	17.34	17.49
	16QAM	1	0	1	17.76	17.37	17.40
			38	1	17.78	17.48	17.63
			74	1	17.64	17.47	17.59
		37	0	2	17.34	17.36	17.49
			18	2	17.40	17.34	17.50
			37	2	17.37	17.35	17.51
		75	0	2	16.38	16.32	16.45
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel 37850	Channel 38000	Channel 38150
20MHz	QPSK	1	0	0	18.43	18.29	18.28
			49	0	18.46	18.45	18.62
			99	0	18.30	18.43	18.57
		50	0	1	17.39	17.23	17.43
			25	1	17.41	17.24	17.38
			49	1	17.38	17.44	17.56
		100	0	1	17.39	17.31	17.47
	16QAM	1	0	1	17.56	16.97	17.24
			49	1	17.66	17.12	17.62
			99	1	17.45	17.07	17.48
		50	0	2	16.41	16.24	16.34
			25	2	16.39	16.27	16.36
			49	2	16.41	16.42	16.47
		100	0	2	16.35	16.27	16.43

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	17.85	17.94	17.94
			12	17.45	**18.12**	18.06
			24	17.81	18.01	17.95
		12	0	16.95	16.98	16.92
			6	16.95	16.96	16.92
			13	16.98	16.99	16.96
		25	0	16.98	17.00	16.96
	16QAM	1	0	16.03	17.10	17.36
			12	16.79	17.24	17.47
			24	17.23	17.15	17.39
		12	0	16.06	15.99	15.93
			6	16.04	15.92	15.92
			13	16.06	16.02	15.96
		25	0	16.06	16.04	16.00
Bandwidth	**Modulation**	**RB size**	**RB offset**	**Channel**		
				38750		
10MHz	QPSK	1	0	17.91		
			24	17.97		
			49	17.98		
		25	0	16.94		
			12	16.95		
			25	16.98		
		50	0	16.98		
	16QAM	1	0	17.27		
			24	17.33		
			49	17.29		
		25	0	16.05		
			12	16.06		
			25	16.06		
		50	0	16.03		

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	18.08	18.09	17.99
			12	**18.25**	18.20	18.15
			24	18.14	18.16	18.09
		12	0	17.07	17.13	17.05
			6	17.12	17.09	17.08
			13	17.17	17.17	17.16
		25	0	17.16	17.15	17.14
	16QAM	1	0	17.52	17.47	17.40
			12	17.67	17.63	17.55
			24	17.53	17.54	17.40
		12	0	16.08	16.07	16.10
			6	16.12	16.12	16.07
			13	16.13	16.20	16.23
		25	0	16.19	16.20	16.20
Bandwidth	**Modulation**	**RB size**	**RB offset**	**Channel**		
				39200		
10MHz	QPSK	1	0	18.08		
			24	18.14		
			49	18.17		
		25	0	17.14		
			12	17.12		
			25	17.19		
		50	0	17.22		
	16QAM	1	0	17.41		
			24	17.50		
			49	17.48		
		25	0	16.25		
			12	16.23		
			25	16.34		
		50	0	16.22		

Conducted Power of LTE Band 41(dBm)							
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel 39675	Channel 40620	Channel 41565
5MHz	QPSK	1	0	0	18.07	18.19	18.40
			12	0	18.20	18.28	**18.54**
			24	0	18.18	18.26	18.41
		12	0	1	17.11	17.25	17.46
			6	1	17.10	17.21	17.39
			13	1	17.19	17.29	17.41
		25	0	1	17.14	17.26	17.43
	16QAM	1	0	1	17.42	17.50	17.56
			12	1	17.61	17.62	17.68
			24	1	17.53	17.51	17.59
		12	0	2	16.08	16.20	16.37
			6	2	16.07	16.23	16.33
			13	2	16.15	16.30	16.29
		25	0	2	16.17	16.24	16.36
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel 39700	Channel 40620	Channel 41540
10MHz	QPSK	1	0	0	18.16	18.42	18.48
			24	0	18.21	18.34	18.49
			49	0	18.22	18.44	18.50
		25	0	1	17.11	17.26	17.47
			12	1	17.12	17.26	17.44
			25	1	17.24	17.33	17.40
		50	0	1	17.21	17.33	17.45
	16QAM	1	0	1	17.52	17.25	17.47
			24	1	17.62	17.28	17.55
			49	1	17.58	17.35	17.51
		25	0	2	16.23	16.24	16.45
			12	2	16.25	16.27	16.45
			25	2	16.35	16.35	16.42
		50	0	2	16.22	16.30	16.40

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	18.10	18.30	18.44
			37	0	18.29	18.38	18.53
			74	0	18.27	18.38	18.44
		37	0	1	17.20	17.28	17.43
			19	1	17.21	17.27	17.43
			38	1	17.21	17.28	17.41
		75	0	1	17.21	17.31	17.41
	16QAM	1	0	1	17.49	17.38	17.46
			37	1	17.68	17.36	17.49
			74	1	17.57	17.40	17.43
		37	0	2	17.19	17.27	17.44
			19	2	17.22	17.29	17.43
			38	2	17.19	17.29	17.44
		75	0	2	16.25	16.24	16.37
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel	Channel	Channel
					39750	40620	41490
20MHz	QPSK	1	0	0	18.02	18.26	18.33
			49	0	18.25	18.29	18.52
			99	0	18.15	18.34	18.38
		50	0	1	17.08	17.16	17.44
			25	1	17.05	17.23	17.37
			50	1	17.31	17.30	17.35
		100	0	1	17.14	17.21	17.34
	16QAM	1	0	1	17.22	16.92	17.29
			49	1	17.52	17.00	17.49
			99	1	17.42	17.00	17.30
		50	0	2	16.08	16.24	16.34
			25	2	16.08	16.23	16.32
			50	2	16.31	16.34	16.26
		100	0	2	16.21	16.27	16.37

Conducted Power of LTE Band 66(dBm)							
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel 131979	Channel 132422	Channel 132665
1.4MHz	QPSK	1	0	0	24.65	24.72	24.88
			2	0	24.63	24.75	24.94
			5	0	24.60	24.70	24.92
		3	0	0	24.73	24.79	24.98
			1	0	24.70	24.80	24.98
			3	0	24.68	24.88	24.95
		6	0	1	23.84	23.91	24.07
	16QAM	1	0	1	23.72	23.80	23.77
			2	1	23.81	23.94	23.87
			5	1	23.72	23.89	23.75
		3	0	1	23.62	23.74	23.80
			1	1	23.61	23.77	23.84
			3	1	23.55	23.70	23.75
		6	0	2	22.87	22.80	23.09
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel 131987	Channel 132422	Channel 132657
3MHz	QPSK	1	0	0	24.42	24.55	24.74
			8	0	24.52	24.72	24.85
			14	0	24.46	24.57	24.77
		8	0	1	23.60	23.78	23.94
			4	1	23.60	23.74	23.94
			7	1	23.67	23.76	23.94
		15	0	1	23.64	23.81	23.94
	16QAM	1	0	1	23.56	23.74	23.63
			8	1	23.67	23.77	23.74
			14	1	23.57	23.66	23.62
		8	0	2	22.67	22.75	22.95
			4	2	22.66	22.78	22.90
			7	2	22.69	22.78	22.89
		15	0	2	22.65	22.68	22.83

Conducted Power of LTE Band 66(dBm)							
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel 131997	Channel 132422	Channel 132647
5MHz	QPSK	1	0	0	24.80	24.81	25.09
			12	0	24.91	25.01	**25.20**
			24	0	24.75	24.88	25.10
		12	0	1	23.74	23.82	24.08
			6	1	23.69	23.81	23.99
			13	1	23.73	23.92	23.98
		25	0	1	23.76	23.84	24.01
	16QAM	1	0	1	23.76	24.00	24.08
			12	1	23.87	24.17	24.19
			24	1	23.72	24.06	24.08
		12	0	2	22.73	22.86	23.04
			6	2	22.73	22.87	23.04
			13	2	22.76	22.89	23.02
		25	0	2	22.81	22.83	23.02
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel 132022	Channel 132422	Channel 132622
10MHz	QPSK	1	0	0	24.82	24.83	25.02
			24	0	24.81	24.96	25.15
			49	0	24.79	24.89	25.08
		25	0	1	23.70	23.84	23.99
			12	1	23.73	23.83	23.99
			25	1	23.78	23.91	23.99
		50	0	1	23.74	23.84	24.02
	16QAM	1	0	1	23.93	24.03	23.93
			24	1	24.00	24.08	24.02
			49	1	23.97	24.11	24.00
		25	0	2	22.69	22.84	23.05
			12	2	22.69	22.88	23.04
			25	2	22.80	22.93	23.07
		50	0	2	22.75	22.89	23.01

Conducted Power of LTE Band 66(dBm)							
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel 132047	Channel 132422	Channel 132597
15MHz	QPSK	1	0	0	24.70	24.79	24.97
			38	0	24.79	24.97	23.15
			74	0	24.72	24.90	23.06
		38	0	1	23.83	23.95	24.11
			18	1	23.83	23.94	24.10
			37	1	23.85	23.95	24.10
		75	0	1	23.88	23.92	24.13
	16QAM	1	0	1	23.85	24.06	23.91
			38	1	24.00	24.27	24.06
			74	1	23.89	24.16	23.94
		38	0	2	23.83	23.90	24.11
			18	2	23.89	23.91	24.11
			37	2	23.85	23.93	24.11
		75	0	2	22.72	22.87	23.08
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel 132072	Channel 132422	Channel 132572
20MHz	QPSK	1	0	0	24.79	24.75	24.76
			49	0	24.97	25.06	25.03
			99	0	24.84	24.95	24.91
		50	0	1	23.74	23.78	23.90
			25	1	23.73	23.77	23.86
			50	1	23.86	23.91	24.08
		100	0	1	23.73	23.85	23.97
	16QAM	1	0	1	23.78	23.90	23.88
			49	1	23.97	24.14	24.08
			99	1	23.82	24.08	23.97
		50	0	2	22.68	22.78	22.93
			25	2	22.65	22.75	22.94
			50	2	22.75	22.92	23.06
		100	0	2	22.73	22.86	22.99

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	13.20
		06	2437	**13.93**
		11	2462	13.80
802.11g	6	01	2412	11.45
		06	2437	12.12
		11	2462	12.08
802.11n(20)	6.5	01	2412	11.36
		06	2437	11.99
		11	2462	11.87
802.11n(40)	13.5	03	2422	10.95
		06	2437	11.15
		09	2452	11.06

Bluetooth_V5.2(BR/EDR)

Modulation	Channel	Frequency(MHz)	Peak Power (dBm)
GFSK	0	2402	1.669
	39	2441	**2.238**
	78	2480	2.171
π /4-DQPSK	0	2402	0.785
	39	2441	1.388
	78	2480	1.347
8-DPSK	0	2402	0.599
	39	2441	1.196
	78	2480	1.170

Bluetooth_V5.2(BLE)

Modulation	Channel	Frequency(MHz)	Peak Power (dBm)
GFSK	0	2402	-0.090
	19	2440	**0.260**
	39	2480	-0.864
GFSK	0	2402	-0.194
	19	2440	0.096
	39	2480	-1.107

5GHz WIFI

Mode	channel	Frequency	Power(dBm)							
			Data Rate(bps)							
			6M	9M	12M	18M	24M	36M	48M	54M
802.11a	36	5180	10.12	10.04	9.87	9.72	9.52	9.34	9.19	9.14
	40	5200	9.81	9.70	9.63	9.59	9.50	9.46	9.36	9.30
	44	5220	9.69	9.51	9.36	9.32	9.13	8.95	8.76	8.63
	48	5240	10.35	10.26	10.11	9.92	9.88	9.75	9.58	9.49
	149	5745	10.00	9.88	9.74	9.62	9.44	9.38	9.34	9.20
	157	5785	9.50	9.33	9.32	9.29	9.13	9.07	8.91	8.86
	165	5825	**10.09**	9.90	9.79	9.79	9.67	9.52	9.43	9.27
			MCS0	**MCS1**	**MCS2**	**MCS3**	**MCS4**	**MCS5**	**MCS6**	**MCS7**
802.11n (20)	36	5180	10.39	10.31	10.27	10.21	10.02	9.99	9.86	9.81
	40	5200	9.86	9.85	9.77	9.65	9.62	9.59	9.53	9.35
	44	5220	9.71	9.58	9.50	9.41	9.38	9.37	9.27	9.19
	48	5240	9.51	9.33	9.19	9.03	8.84	8.64	8.52	8.40
	149	5745	9.36	9.20	9.10	9.01	8.85	8.66	8.51	8.43
	157	5785	9.57	9.39	9.22	9.06	8.97	8.86	8.69	8.65
	165	5825	9.90	9.73	9.72	9.54	9.38	9.35	9.35	9.28
			MCS0	**MCS1**	**MCS2**	**MCS3**	**MCS4**	**MCS5**	**MCS6**	**MCS7**
802.11n (40)	38	5190	**10.60**	10.50	10.50	10.43	10.28	10.10	10.05	9.86
	46	5230	9.90	9.74	9.64	9.51	9.50	9.38	9.25	9.07
	151	5755	9.70	9.67	9.55	9.49	9.49	9.46	9.35	9.29
	159	5795	9.73	9.68	9.56	9.49	9.49	9.32	9.23	9.03
			MCS0	**MCS1**	**MCS2**	**MCS3**	**MCS4**	**MCS5**	**MCS6**	**MCS7**
802.11ac (20)	36	5180	10.46	10.34	10.22	10.19	10.19	10.09	9.92	9.89
	40	5200	9.84	9.69	9.60	9.50	9.44	9.27	9.11	8.93
	44	5220	9.76	9.65	9.52	9.40	9.27	9.24	9.06	8.96
	48	5240	9.70	9.65	9.65	9.49	9.37	9.33	9.30	9.24
	149	5745	9.33	9.27	9.09	8.91	8.88	8.77	8.58	8.43
	157	5785	9.58	9.52	9.36	9.19	9.18	9.15	9.06	8.86
	165	5825	9.88	9.83	9.81	9.65	9.58	9.52	9.40	9.36
			MCS0	**MCS1**	**MCS2**	**MCS3**	**MCS4**	**MCS5**	**MCS6**	**MCS7**
802.11ac (40)	38	5190	10.14	9.99	9.89	9.69	9.65	9.57	9.55	9.44
	46	5230	10.53	10.49	10.39	10.31	10.27	10.26	10.21	10.07
	151	5755	9.74	9.69	9.69	9.59	9.48	9.35	9.31	9.12
	159	5795	9.66	9.52	9.47	9.35	9.21	9.03	8.95	8.78
			MCS0	**MCS1**	**MCS2**	**MCS3**	**MCS4**	**MCS5**	**MCS6**	**MCS7**
802.11ac (80)	42	5210	8.85	8.70	8.53	8.48	8.37	8.31	8.14	8.01
	155	5775	10.05	9.98	9.95	9.93	9.79	9.61	9.59	9.42

13. TEST RESULTS

13.1. SAR Test Results Summary

13.1.1. Test position and configuration

Body-worn and 4 Edges SAR was performed with the device 10mm from the phantom.

13.1.2. Operation Mode

1. Per KDB 447498 D01 v06 ,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 KDB616217 D04 v01r02, The antennas in tablets are typically located near the back (bottom) surface and/or along the edges of the devices; therefore, SAR evaluation is required for these configurations. Exposures from antennas through the front (top) surface of the display section of a full-size tablet, away from the edges, are generally limited to the user's hands. Exposures to hands for typical consumer transmitters used in tablets are not expected to exceed the extremity SAR limit; therefore, SAR evaluation for the front surface of tablet display screens are generally not necessary, except for tablets that are designed to require continuous operations with the hand(s) next to the antenna(s).
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 (%): 59.1						
Product: 4G smart PAD, Tablet									
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)**
AGM_PAD_P2									
SIM 1 Card									
Body back	voice	190	836.6	-0.13	**0.213**	34.50	33.83	**0.249**	1.6
Body front	voice	190	836.6	0.30	0.131	34.50	33.83	0.153	1.6
Body back	GPRS-2 slot	190	836.6	0.18	**0.243**	33.00	31.43	**0.349**	1.6
Body front	GPRS-2 slot	190	836.6	-0.11	0.146	33.00	31.43	0.210	1.6
Edge 2(Right)	GPRS-2 slot	190	836.6	0.41	0.187	33.00	31.43	0.268	1.6
Edge 3(Bottom)	GPRS-2 slot	190	836.6	0.02	0.062	33.00	31.43	0.089	1.6
AGM_PAD_P2W									
SIM 1 Card									
Body back	voice	190	836.6	-0.22	0.172	34.50	33.83	0.201	1.6
Body front	voice	190	836.6	0.03	**0.215**	34.50	33.83	**0.251**	1.6
Body back	GPRS-2 slot	190	836.6	-0.21	0.164	33.00	31.43	0.235	1.6
Body front	GPRS-2 slot	190	836.6	0.02	**0.209**	33.00	31.43	**0.300**	1.6
Edge 2(Right)	GPRS-2 slot	190	836.6	-0.19	0.162	33.00	31.43	0.233	1.6
Edge 3(Bottom)	GPRS-2 slot	190	836.6	0.26	0.038	33.00	31.43	0.055	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 (%): 56.3					
Product: 4G smart PAD, Tablet									
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)**
AGM_PAD_P2									
SIM 1 Card									
Body back	voice	661	1880	-0.06	**0.519**	32.00	31.44	**0.590**	1.6
Body front	voice	661	1880	0.13	0.297	32.00	31.44	0.338	1.6
Body back	GPRS-2 slot	661	1880	-0.37	0.462	30.00	29.63	0.503	1.6
Body front	GPRS-2 slot	661	1880.0	0.21	0.293	30.00	29.63	0.319	1.6
Edge 2(Right)	GPRS-2 slot	661	1880.0	-0.42	**0.503**	30.00	29.63	**0.548**	1.6
Edge 3(Bottom)	GPRS-2 slot	661	1880.0	0.14	0.077	30.00	29.63	0.084	1.6
AGM_PAD_P2W									
SIM 1 Card									
Body back	voice	661	1880	-0.28	**0.217**	32.00	31.44	**0.247**	1.6
Body front	voice	661	1880	0.21	0.094	32.00	31.44	0.107	1.6
Body back	GPRS-2 slot	661	1880	-0.23	**0.195**	30.00	29.63	**0.212**	1.6
Body front	GPRS-2 slot	661	1880.0	-0.16	0.086	30.00	29.63	0.094	1.6
Edge 2(Right)	GPRS-2 slot	661	1880.0	0.03	0.126	30.00	29.63	0.137	1.6
Edge 3(Bottom)	GPRS-2 slot	661	1880.0	0.31	0.031	30.00	29.63	0.034	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 (%): 56.3					
Product: 4G smart PAD, Tablet									
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)**
AGM_PAD_P2									
Body back	RMC 12.2kbps	9262	1852.4	-0.22	0.881	23.20	23.17	0.887	1.6
Body back	RMC 12.2kbps	9400	1880	-0.06	0.849	23.20	23.13	0.863	1.6
Body back	RMC 12.2kbps	9538	1907.6	0.25	0.882	23.20	23.18	0.886	1.6
Body front	RMC 12.2kbps	9400	1880	-0.12	0.571	23.20	23.13	0.580	1.6
Edge 2(Right)	RMC 12.2kbps	9262	1852.4	-0.20	1.163	23.20	23.17	1.171	1.6
Edge 2(Right)	RMC 12.2kbps	9400	1880	0.05	1.147	23.20	23.13	1.166	1.6
Edge 2(Right)	RMC 12.2kbps	9538	1907.6	-0.36	**1.171**	23.20	23.18	**1.176**	1.6
Edge 3(Bottom)	RMC 12.2kbps	9400	1880	0.10	0.094	23.20	23.13	0.096	1.6
AGM_PAD_P2W									
Body back	RMC 12.2kbps	9400	1880	-0.31	**0.388**	23.20	23.13	**0.394**	1.6
Body front	RMC 12.2kbps	9400	1880	0.09	0.238	23.20	23.13	0.242	1.6
Edge 2(Right)	RMC 12.2kbps	9400	1880	-0.19	0.304	23.20	23.13	0.309	1.6
Edge 3(Bottom)	RMC 12.2kbps	9400	1880	0.11	0.027	23.20	23.13	0.027	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 (%): 58.4					
Product: 4G smart PAD, Tablet									
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)**
AGM_PAD_P2									
Body back	RMC 12.2kbps	8562	1712.4	-0.13	1.065	22.90	22.78	1.095	1.6
Body back	RMC 12.2kbps	8662	1732.4	0.27	1.053	22.90	22.84	1.093	1.6
Body back	RMC 12.2kbps	8763	1752.6	-0.23	**1.084**	22.90	22.82	**1.130**	1.6
Body front	RMC 12.2kbps	8662	1732.4	0.09	0.677	22.90	22.84	0.702	1.6
Edge 2(Right)	RMC 12.2kbps	8662	1732.4	-0.30	0.724	22.90	22.84	0.751	1.6
Edge 3(Bottom)	RMC 12.2kbps	8662	1732.4	-0.22	0.081	22.90	22.84	0.084	1.6
AGM_PAD_P2W									
Body back	RMC 12.2kbps	8662	1732.4	-0.27	**0.340**	22.90	22.84	**0.345**	1.6
Body front	RMC 12.2kbps	8662	1732.4	0.13	0.233	22.90	22.84	0.236	1.6
Edge 2(Right)	RMC 12.2kbps	8662	1732.4	-0.19	0.238	22.90	22.84	0.241	1.6
Edge 3(Bottom)	RMC 12.2kbps	8662	1732.4	0.22	0.015	22.90	22.84	0.015	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 (%): 59.1					
Product: 4G smart PAD, Tablet									
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)**
AGM_PAD_P2									
Body back	RMC 12.2kbps	4183	836.4	-0.38	0.367	23.60	23.37	0.387	1.6
Body front	RMC 12.2kbps	4183	836.4	-0.02	0.276	23.60	23.37	0.291	1.6
Edge 2(Right)	RMC 12.2kbps	4183	836.4	-0.05	**0.406**	23.60	23.37	**0.428**	1.6
Edge 3(Bottom)	RMC 12.2kbps	4183	836.4	0.31	0.144	23.60	23.37	0.152	1.6
AGM_PAD_P2W									
Body back	RMC 12.2kbps	4183	836.4	-0.08	0.355	23.60	23.37	0.374	1.6
Body front	RMC 12.2kbps	4183	836.4	0.17	**0.385**	23.60	23.37	**0.406**	1.6
Edge 2(Right)	RMC 12.2kbps	4183	836.4	-0.14	0.317	23.60	23.37	0.334	1.6
Edge 3(Bottom)	RMC 12.2kbps	4183	836.4	0.19	0.038	23.60	23.37	0.040	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 (%): 56.3							
Product: 4G smart PAD, Tablet												
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								
AGM_PAD_P2												
20	QPSK	Body back	1	0	18900	1880	-0.25	0.138	21.60	21.07	0.156	1.6
		Body front	1	0	18900	1880	0.03	0.080	21.60	21.07	0.090	1.6
		Edge 2(Right)	1	0	18900	1880	-0.19	**0.161**	21.60	21.07	**0.182**	1.6
		Edge 3(Bottom)	1	0	18900	1880	0.37	0.095	21.60	21.07	0.107	1.6
AGM_PAD_P2W												
20	QPSK	Body back	1	0	18900	1880	-0.21	**0.372**	21.60	21.07	**0.420**	1.6
		Body front	1	0	18900	1880	0.22	0.213	21.60	21.07	0.241	1.6
		Edge 2(Right)	1	0	18900	1880	-0.33	0.230	21.60	21.07	0.260	1.6
		Edge 3(Bottom)	1	0	18900	1880	0.30	0.075	21.60	21.07	0.085	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 (%): 58.4							
Product: 4G smart PAD, Tablet												
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**								
AGM_PAD_P2												
20	**QPSK**	Body back	1	0	20050	1720	-0.25	0.923	21.40	20.95	1.024	1.6
		Body back	1	0	20175	1732.5	0.27	0.929	21.40	21.01	1.016	1.6
		Body back	1	0	20300	1745	0.05	**0.941**	21.40	21.01	**1.029**	1.6
		Body front	1	0	20175	1732.5	-0.24	0.467	21.40	21.01	0.511	1.6
		Edge 2(Right)	1	0	20175	1732.5	-0.46	0.676	21.40	21.01	0.740	1.6
		Edge 3(Bottom)	1	0	20175	1732.5	0.15	0.101	21.40	21.01	0.110	1.6
AGM_PAD_P2W												
20	**QPSK**	Body back	1	0	20175	1732.5	-0.21	**0.306**	21.40	21.01	**0.335**	1.6
		Body front	1	0	20175	1732.5	0.30	0.235	21.40	21.01	0.257	1.6
		Edge 2(Right)	1	0	20175	1732.5	-0.19	0.189	21.40	21.01	0.207	1.6
		Edge 3(Bottom)	1	0	20175	1732.5	0.22	0.059	21.40	21.01	0.065	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 (%): 59.1							
Product: 4G smart PAD, Tablet												
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								
AGM_PAD_P2												
10	QPSK	Body back	1	0	20525	836.5	-0.03	**0.301**	24.50	24.44	**0.305**	1.6
		Body front	1	0	20525	836.5	-0.32	0.149	24.50	24.44	0.151	1.6
		Edge 2(Right)	1	0	20525	836.5	0.14	0.275	24.50	24.44	0.279	1.6
		Edge 3(Bottom)	1	0	20525	836.5	0.25	0.114	24.50	24.44	0.116	1.6
AGM_PAD_P2W												
10	QPSK	Body back	1	0	20525	836.5	0.02	**0.382**	24.50	24.44	**0.387**	1.6
		Body front	1	0	20525	836.5	0.31	0.352	24.50	24.44	0.357	1.6
		Edge 2(Right)	1	0	20525	836.5	-0.16	0.341	24.50	24.44	0.346	1.6
		Edge 3(Bottom)	1	0	20525	836.5	-0.01	0.109	24.50	24.44	0.111	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 (%): 54.9							
Product: 4G smart PAD, Tablet												
Test Mode: LTE Band 7												
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								
AGM_PAD_P2												
20	**QPSK**	Body back	1	0	21100	2535	-0.35	**0.170**	20.50	20.09	**0.187**	1.6
		Body front	1	0	21100	2535	0.22	0.114	20.50	20.09	0.125	1.6
		Edge 2(Right)	1	0	21100	2535	-0.21	0.167	20.50	20.09	0.184	1.6
		Edge 3(Bottom)	1	0	21100	2535	0.07	0.076	20.50	20.09	0.084	1.6
AGM_PAD_P2W												
20	**QPSK**	Body back	1	0	21100	2535	0.28	**0.675**	20.50	20.09	**0.742**	1.6
		Body front	1	0	21100	2535	-0.29	0.394	20.50	20.09	0.433	1.6
		Edge 2(Right)	1	0	21100	2535	-0.05	0.570	20.50	20.09	0.626	1.6
		Edge 3(Bottom)	1	0	21100	2535	0.06	0.025	20.50	20.09	0.027	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 (%): 49.6							
Product: 4G smart PAD, Tablet												
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								
AGM_PAD_P2												
10	QPSK	Body back	1	0	23095	707.5	-0.18	**0.122**	22.30	21.98	**0.131**	1.6
		Body front	1	0	23095	707.5	0.20	0.068	22.30	21.98	0.073	1.6
		Edge 2(Right)	1	0	23095	707.5	-0.01	0.059	22.30	21.98	0.064	1.6
		Edge 3(Bottom)	1	0	23095	707.5	0.35	0.034	22.30	21.98	0.037	1.6
AGM_PAD_P2W												
10	QPSK	Body back	1	0	23095	707.5	-0.31	**0.418**	22.30	21.98	**0.450**	1.6
		Body front	1	0	23095	707.5	-0.28	0.291	22.30	21.98	0.313	1.6
		Edge 2(Right)	1	0	23095	707.5	-0.29	0.224	22.30	21.98	0.241	1.6
		Edge 3(Bottom)	1	0	23095	707.5	0.16	0.019	22.30	21.98	0.020	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 (%): 49.6							
Product: 4G smart PAD, Tablet												
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								
AGM_PAD_P2												
10	QPSK	Body back	1	0	23790	710	-0.31	**0.111**	22.40	22.24	**0.115**	1.6
		Body front	1	0	23790	710	-0.34	0.058	22.40	22.24	0.060	1.6
		Edge 2(Right)	1	0	23790	710	0.17	0.107	22.40	22.24	0.111	1.6
		Edge 3(Bottom)	1	0	23790	710	-0.10	0.054	22.40	22.24	0.056	1.6
AGM_PAD_P2W												
10	QPSK	Body back	1	0	23790	710	-0.15	0.381	22.40	22.24	0.395	1.6
		Body front	1	0	23790	710	0.07	**0.419**	22.40	22.24	**0.435**	1.6
		Edge 2(Right)	1	0	23790	710	-0.16	0.228	22.40	22.24	0.237	1.6
		Edge 3(Bottom)	1	0	23790	710	0.19	0.086	22.40	22.24	0.089	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 (%): 59.1							
Product: LTE smartphone												
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								
AGM_PAD_P2												
15	QPSK	Body back	1	0	26915	836.5	-0.18	**0.320**	20.00	19.65	**0.347**	1.6
		Body front	1	0	26915	836.5	0.24	0.193	20.00	19.65	0.209	1.6
		Edge 2(Right)	1	0	26915	836.5	-0.16	0.252	20.00	19.65	0.273	1.6
		Edge 3(Bottom)	1	0	26915	836.5	0.12	0.092	20.00	19.65	0.100	1.6
AGM_PAD_P2W												
15	QPSK	Body back	1	0	26915	836.5	-0.19	0.360	20.00	19.65	0.390	1.6
		Body front	1	0	26915	836.5	0.04	**0.373**	20.00	19.65	**0.404**	1.6
		Edge 2(Right)	1	0	26915	836.5	-0.32	0.280	20.00	19.65	0.303	1.6
		Edge 3(Bottom)	1	0	26915	836.5	0.29	0.077	20.00	19.65	0.083	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 (%): 59.1							
Product: LTE smartphone												
Test Mode: LTE Band 26b												
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**								
AGM_PAD_P2												
15	**QPSK**	Body back	1	0	26915	821.5	-0.29	**0.339**	22.80	22.64	**0.352**	1.6
		Body front	1	0	26915	821.5	0.01	0.196	22.80	22.64	0.203	1.6
		Edge 2(Right)	1	0	26915	821.5	-0.34	0.272	22.80	22.64	0.282	1.6
		Edge 3(Bottom)	1	0	26915	821.5	0.07	0.094	22.80	22.64	0.098	1.6
AGM_PAD_P2W												
15	**QPSK**	Body back	1	0	26915	821.5	-0.15	**0.303**	22.80	22.64	**0.314**	1.6
		Body front	1	0	26915	821.5	0.01	0.284	22.80	22.64	0.295	1.6
		Edge 2(Right)	1	0	26915	821.5	-0.18	0.238	22.80	22.64	0.247	1.6
		Edge 3(Bottom)	1	0	26915	821.5	0.12	0.083	22.80	22.64	0.086	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 (%): 54.9							
Product: 4G smart PAD, Tablet												
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**								
AGM_PAD_P2												
20	**QPSK**	Body back	1	0	38000	2595	-0.08	**0.132**	19.00	18.29	**0.155**	1.6
		Body front	1	0	38000	2595	0.31	0.078	19.00	18.29	0.092	1.6
		Edge 2(Right)	1	0	38000	2595	-0.26	0.123	19.00	18.29	0.145	1.6
		Edge 3(Bottom)	1	0	38000	2595	0.41	0.069	19.00	18.29	0.081	1.6
AGM_PAD_P2W												
20	**QPSK**	Body back	1	0	38000	2595	-0.23	**0.319**	19.00	18.29	**0.376**	1.6
		Body front	1	0	38000	2595	-0.12	0.108	19.00	18.29	0.127	1.6
		Edge 2(Right)	1	0	38000	2595	0.13	0.201	19.00	18.29	0.237	1.6
		Edge 3(Bottom)	1	0	38000	2595	0.30	0.086	19.00	18.29	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 (%): 59.7							
Product: 4G smart PAD, Tablet												
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								
AGM_PAD_P2												
10	QPSK	Body back	1	0	38750	2310	-0.28	**0.047**	18.20	17.91	**0.050**	1.6
		Body front	1	0	38750	2310	0.09	0.033	18.20	17.91	0.035	1.6
		Edge 2(Right)	1	0	38750	2310	0.16	0.045	18.20	17.91	0.048	1.6
		Edge 3(Bottom)	1	0	38750	2310	-0.03	0.037	18.20	17.91	0.040	1.6
AGM_PAD_P2W												
10	QPSK	Body back	1	0	38750	2310	-0.25	**0.319**	18.20	17.91	**0.341**	1.6
		Body front	1	0	38750	2310	-0.13	0.108	18.20	17.91	0.115	1.6
		Edge 2(Right)	1	0	38750	2310	-0.09	0.105	18.20	17.91	0.112	1.6
		Edge 3(Bottom)	1	0	38750	2310	0.07	0.049	18.20	17.91	0.052	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 (%): 59.7							
Product: 4G smart PAD, Tablet												
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**								
AGM_PAD_P2												
10	**QPSK**	Body back	1	0	39200	2355	-0.40	**0.049**	18.30	18.08	**0.052**	1.6
		Body front	1	0	39200	2355	0.11	0.026	18.30	18.08	0.027	1.6
		Edge 2(Right)	1	0	39200	2355	-0.18	0.037	18.30	18.08	0.039	1.6
		Edge 3(Bottom)	1	0	39200	2355	0.41	0.035	18.30	18.08	0.037	1.6
AGM_PAD_P2W												
10	**QPSK**	Body back	1	0	39200	2355	-0.13	**0.155**	18.30	18.08	**0.163**	1.6
		Body front	1	0	39200	2355	-0.28	0.108	18.30	18.08	0.114	1.6
		Edge 2(Right)	1	0	39200	2355	-0.18	0.108	18.30	18.08	0.114	1.6
		Edge 3(Bottom)	1	0	39200	2355	0.11	0.081	18.30	18.08	0.085	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 (%): 54.9							
Product: 4G smart PAD, Tablet												
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**								
AGM_PAD_P2												
20	**QPSK**	Body back	1	0	40620	2593	-0.27	0.122	19.00	18.26	0.145	1.6
		Body front	1	0	40620	2593	0.26	0.077	19.00	18.26	0.091	1.6
		Edge 2(Right)	1	0	40620	2593	-0.21	**0.122**	19.00	18.26	**0.145**	1.6
		Edge 3(Bottom)	1	0	40620	2593	0.16	0.062	19.00	18.26	0.074	1.6
AGM_PAD_P2W												
20	**QPSK**	Body back	1	0	40620	2593	-0.15	**0.349**	19.00	18.26	**0.414**	1.6
		Body front	1	0	40620	2593	0.19	0.234	19.00	18.26	0.277	1.6
		Edge 2(Right)	1	0	40620	2593	-0.25	0.205	19.00	18.26	0.243	1.6
		Edge 3(Bottom)	1	0	40620	2593	0.16	0.094	19.00	18.26	0.111	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 (%): 58.4							
Product: LTE smartphone												
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								
AGM_PAD_P2												
20	QPSK	Body back	1	0	132072	1720	-0.17	0.838	25.30	24.79	0.942	1.6
		Body back	1	0	132422	1755	-0.47	0.779	25.30	24.75	0.884	1.6
		Body back	1	0	132572	1770	0.15	**0.844**	25.30	24.76	**0.956**	1.6
		Body front	1	0	132422	1755	-0.05	0.486	25.30	24.75	0.552	1.6
		Edge 2(Right)	1	0	132422	1755	-0.39	0.555	25.30	24.75	0.630	1.6
		Edge 3(Bottom)	1	0	132422	1755	0.06	0.082	25.30	24.75	0.093	1.6
AGM_PAD_P2W												
20	QPSK	Body back	1	0	132422	1755	-0.19	**0.324**	25.30	24.79	**0.364**	1.6
		Body front	1	0	132422	1755	0.27	0.250	25.30	24.75	0.284	1.6
		Edge 2(Right)	1	0	132422	1755	-0.17	0.209	25.30	24.75	0.237	1.6
		Edge 3(Bottom)	1	0	132422	1755	0.32	0.051	25.30	24.75	0.058	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 PAD, Tablet									
Test Mode: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)**
AGM_PAD_P2									
Body back	DTS	6	2437	-0.39	**0.070**	14.00	13.93	**0.071**	1.6
Body front	DTS	6	2437	-0.06	0.040	14.00	13.93	0.041	1.6
Edge 2(Right)	DTS	6	2437	0.14	0.055	14.00	13.93	0.056	1.6
AGM_PAD_P2W									
Body back	DTS	6	2437	0.32	0.286	14.00	13.93	0.291	1.6
Body front	DTS	6	2437	0.06	0.171	14.00	13.93	0.174	1.6
Edge 2(Right)	DTS	6	2437	-0.27	**0.375**	14.00	13.93	**0.381**	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 (%): 48.3				
Product: 4G smart PAD, Tablet								
Test Mode: 5.2GHz WIFI-802.11n(40)								
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)**
AGM_PAD_P2								
Body back	38	5190	-0.18	**0.163**	10.70	10.60	**0.167**	1.6
Body front	38	5190	-0.25	0.121	10.70	10.60	0.124	1.6
Edge 2(Right)	38	5190	0.06	0.143	10.70	10.60	0.146	1.6
AGM_PAD_P2W								
Body back	38	5190	-0.27	0.174	10.70	10.60	0.178	1.6
Body front	38	5190	-0.18	0.073	10.70	10.60	0.075	1.6
Edge 2(Right)	38	5190	0.21	**0.182**	10.70	10.60	**0.186**	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 (%): 46.9				
Product: 4G smart PAD, Tablet								
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)**
AGM_PAD_P2								
Body back	157	5785	-0.02	0.078	10.10	9.50	0.090	1.6
Body front	157	5785	-0.09	0.076	10.10	9.50	0.087	1.6
Edge 2(Right)	157	5785	0.01	**0.087**	10.10	9.50	**0.100**	1.6
AGM_PAD_P2W								
Body back	157	5785	-0.04	0.206	10.10	9.50	0.237	1.6
Body front	157	5785	-0.32	0.210	10.10	9.50	0.241	1.6
Edge 2(Right)	157	5785	0.05	**0.367**	10.10	9.50	**0.421**	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 PAD, Tablet										
Test Mode: WCDMA Band II & WCDMA Band IV & LTE Band 4& 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**
AGM_PAD_P2										
Edge 2(Right)	RMC 12.2kbps	9538	1907.6	-0.10	1.166	--	--	--	--	1.6
Body back	RMC 12.2kbps	8763	1752.6	0.07	1.035	--	--	--	--	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**									
AGM_PAD_P2											
Body back	1	0	20300	1745	0.16	0.838	--	--	--	--	1.6
Body back	1	0	132572	1770	-0.38	0.828	--	--	--	--	1.6

The second repeated SAR judge reference									
Product: 4G smart PAD, Tablet									
Band	**Position**	**Mode**	**Ch.**	**Fr. (MHz)**	**Orignal SAR (1g) (W/kg)**	**First SAR (1g) (W/kg)**	**Ratio**	**Limit**	
AGM_PAD_P2									
WCDMA Band II	Edge 2(Right)	RMC 12.2kbps	9538	1907.6	1.171	1.166	1.004	＜1.2	
WCDMA Band IV	Body back	RMC 12.2kbps	8763	1752.6	1.084	1.035	1.047	＜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**						
AGM_PAD_P2									
LTE Band 4	Body back	1	0	20300	1745	0.941	0.838	1.123	＜1.2
LTE Band 66	Body back	1	0	132572	1770	0.844	0.828	1.019	＜1.2

Simultaneous Multi-band Transmission Evaluation:

Application Simultaneous Transmission information:

NO	Simultaneous state	Portable Handset	
		Body-worn	Hotspot
1	GSM(voice)+ WLAN 2.4GHz/ 5GHz (data)	Yes	-
2	GSM(voice)+ Bluetooth(data)	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
6	WCDMA+ Bluetooth(data)	Yes	Yes
7	LTE + WLAN 2.4GHz/ 5GHz (data)	Yes	Yes
8	LTE + Bluetooth(data)	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 D01, BT SAR is excluded as below table.
4. KDB 447498 D01, for handsets the test separation distance is determined by the smallest distance between the outer surface of the device and the user; which is 10mm for body-worn SAR.
5. According to KDB 447498 D01 4.3.1, Standalone SAR test exclusion is as follow:
   For 100 MHz to 6 GHz and test separation distances ≤ 50 mm, the 1-g and 10-g SAR test exclusion thresholds are determined by the following:
   [(max. power of channel, including tune-up tolerance, mW) / (min. test separation distance, mm)] • [√f(GHz)] ≤ 3.0 for 1-g SAR, and ≤ 7.5 for 10-g extremity SAR[30], where
   - f(GHz) is the RF channel transmit frequency in GHz
   - Power and distance are rounded to the nearest mW and mm before calculation[31]
   - The result is rounded to one decimal place for comparison
   - The values 3.0 and 7.5 are referred to as numeric thresholds in step b) below

   The test exclusions are applicable only when the minimum test separation distance is ≤ 50 mm, and for transmission frequencies between 100 MHz and 6 GHz. When the minimum test separation distance is < 5 mm, a distance of 5 mm according to 4.1 f) is applied to determine SAR test exclusion.
6. If the test separation distance is <5mm, 5mm is used for excluded SAR calculation.
7. According to KDB 447498 D01 4.3.2, simultaneous transmission SAR test exclusion is as follow:
   (1) Simultaneous transmission SAR test exclusion is determined for each operating configuration and exposure condition according to the reported standalone SAR of each applicable simultaneous transmitting antenna.
   (2) Any transmitters and antennas should be considered when calculating simultaneous mode.
   (3) For mobile phone and PC, it's the sum of all transmitters and antennas at the same mode with same position in each applicable exposure condition
   (4)When the standalone SAR test exclusion of section 4.3.2 is applied to an antenna that transmits simultaneously with other antennas, the standalone SAR must be estimated according to the following to det
   (max. power of channel, including tune-up tolerance, mW)/(min. test separation distance, mm)]·[√f(GHz)/x] W/kg for test separation distances ≤ 50 mm;
   where x = 7.5 for 1-g SAR, and x = 18.75 for 10-g SAR.

8. 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.

Estimated SAR		Max Power including Tune-up Tolerance		Separation Distance (mm)	Estimated SAR (W/kg)
		dBm	mW		
BT	Body	3	1.995	10	0.042

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

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		GSM 850	WI-Fi DTS Band	Bluetooth		
AGM_PAD_P2						
Body-worn (voice)	Rear	0.249	0.071		0.320	No
		0.249		0.042	0.291	No
	Front	0.153	0.041		0.194	No
		0.153		0.042	0.195	No
Body-worn (Data)	Rear	0.349		0.042	0.391	No
		0.349	0.071		0.420	No
	Front	0.210		0.042	0.252	No
		0.210	0.041		0.251	No
Body-worn (Hotspot)	Edge 2	0.268	0.056		0.324	No
	Edge 2	0.268		0.042	0.310	No
AGM_PAD_P2W						
Body-worn (voice)	Rear	0.201	0.291		0.492	No
		0.201		0.042	0.243	No
	Front	0.251	0.174		0.425	No
		0.251		0.042	0.293	No
Body-worn (Data)	Rear	0.235		0.042	0.277	No
		0.235	0.291		0.526	No
	Front	0.300		0.042	0.342	No
		0.300	0.174		0.474	No
Body-worn (Hotspot)	Edge 2	0.233	0.381		0.614	No
	Edge 2	0.233		0.042	0.275	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 &Wi-Fi & BT:

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		PCS 1900	WI-Fi DTS Band	Bluetooth		
AGM_PAD_P2						
Body-worn (voice)	Rear	0.590	0.071		0.661	No
		0.590		0.042	0.632	No
	Front	0.338	0.041		0.379	No
		0.338		0.042	0.380	No
Body-worn (Data)	Rear	0.503		0.042	0.545	No
		0.503	0.071		0.574	No
	Front	0.319		0.042	0.361	No
		0.319	0.041		0.360	No
Body-worn (Hotspot)	Edge 2	0.548	0.056		0.604	No
	Edge 2	0.548		0.042	0.590	No
AGM_PAD_P2W						
Body-worn (voice)	Rear	0.247	0.291		0.538	No
		0.247		0.042	0.289	No
	Front	0.107	0.174		0.281	No
		0.107		0.042	0.149	No
Body-worn (Data)	Rear	0.212		0.042	0.254	No
		0.212	0.291		0.503	No
	Front	0.094		0.042	0.136	No
		0.094	0.174		0.268	No
Body-worn (Hotspot)	Edge 2	0.137	0.381		0.518	No
	Edge 2	0.137		0.042	0.179	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 &Wi-Fi & BT:

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		WCDMA Band II	Wi-Fi DTS Band	Bluetooth		
AGM_PAD_P2						
Body-worn	Rear	0.887	0.071		0.958	No
	Front	0.580	0.041		0.621	No
	Edge 2	1.176	0.056		1.232	No
	Rear	0.887		0.042	0.929	No
	Front	0.580		0.042	0.622	No
	Edge 2	1.176		0.042	1.218	No
AGM_PAD_P2W						
Body-worn	Rear	0.394	0.291		0.685	No
	Front	0.242	0.174		0.416	No
	Edge 2	0.309	0.381		0.690	No
	Rear	0.394		0.042	0.436	No
	Front	0.242		0.042	0.284	No
	Edge 2	0.309		0.042	0.351	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 &Wi-Fi & BT:

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		WCDMA Band IV	Wi-Fi DTS Band	Bluetooth		
AGM_PAD_P2						
Body-worn	Rear	1.130	0.071		1.201	No
	Front	0.702	0.041		0.743	No
	Edge 2	0.751	0.056		0.807	No
	Rear	1.130		0.042	1.172	No
	Front	0.702		0.042	0.744	No
	Edge 2	0.751		0.042	0.793	No
AGM_PAD_P2W						
Body-worn	Rear	0.345	0.291		0.636	No
	Front	0.236	0.174		0.410	No
	Edge 2	0.241	0.381		0.622	No
	Rear	0.345		0.042	0.387	No
	Front	0.236		0.042	0.278	No
	Edge 2	0.241		0.042	0.283	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 &Wi-Fi & BT:

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		WCDMA Band V	Wi-Fi DTS Band	Bluetooth		
AGM_PAD_P2						
Body-worn	Rear	0.387	0.071		0.458	No
	Front	0.291	0.041		0.332	No
	Edge 2	0.428	0.056		0.484	No
	Rear	0.387		0.042	0.429	No
	Front	0.291		0.042	0.333	No
	Edge 2	0.428		0.042	0.470	No
AGM_PAD_P2W						
Body-worn	Rear	0.374	0.291		0.665	No
	Front	0.406	0.174		0.580	No
	Edge 2	0.334	0.381		0.715	No
	Rear	0.374		0.042	0.416	No
	Front	0.406		0.042	0.448	No
	Edge 2	0.334		0.042	0.376	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 &Wi-Fi & BT:

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 2	Wi-Fi DTS Band	Bluetooth		
AGM_PAD_P2						
Body-worn	Rear	0.156	0.071		0.227	No
	Front	0.090	0.041		0.131	No
	Edge 2	0.182	0.056		0.238	No
	Rear	0.156		0.042	0.198	No
	Front	0.090		0.042	0.132	No
	Edge 2	0.182		0.042	0.224	No
AGM_PAD_P2W						
Body-worn	Rear	0.420	0.291		0.711	No
	Front	0.241	0.174		0.415	No
	Edge 2	0.260	0.381		0.641	No
	Rear	0.420		0.042	0.462	No
	Front	0.241		0.042	0.283	No
	Edge 2	0.260		0.042	0.302	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 &Wi-Fi & BT:

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 4	Wi-Fi DTS Band	Bluetooth		
AGM_PAD_P2						
Body-worn	Rear	1.029	0.071		1.100	No
	Front	0.511	0.041		0.552	No
	Edge 2	0.740	0.056		0.796	No
	Rear	1.029		0.042	1.071	No
	Front	0.511		0.042	0.553	No
	Edge 2	0.740		0.042	0.782	No
AGM_PAD_P2W						
Body-worn	Rear	0.335	0.291		0.626	No
	Front	0.257	0.174		0.431	No
	Edge 2	0.207	0.381		0.588	No
	Rear	0.335		0.042	0.377	No
	Front	0.257		0.042	0.299	No
	Edge 2	0.207		0.042	0.249	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 &Wi-Fi & BT:

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 5	Wi-Fi DTS Band	Bluetooth		
AGM_PAD_P2						
Body-worn	Rear	0.305	0.071		0.376	No
	Front	0.151	0.041		0.192	No
	Edge 2	0.279	0.056		0.335	No
	Rear	0.305		0.042	0.347	No
	Front	0.151		0.042	0.193	No
	Edge 2	0.279		0.042	0.321	No
AGM_PAD_P2W						
Body-worn	Rear	0.387	0.291		0.678	No
	Front	0.357	0.174		0.531	No
	Edge 2	0.346	0.381		0.727	No
	Rear	0.387		0.042	0.429	No
	Front	0.357		0.042	0.399	No
	Edge 2	0.346		0.042	0.388	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 7 &Wi-Fi & BT:

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 7	Wi-Fi DTS Band	Bluetooth		
AGM_PAD_P2						
Body-worn	Rear	0.187	0.071		0.258	No
	Front	0.125	0.041		0.166	No
	Edge 2	0.184	0.056		0.240	No
	Rear	0.187		0.042	0.229	No
	Front	0.125		0.042	0.167	No
	Edge 2	0.184		0.042	0.226	No
AGM_PAD_P2W						
Body-worn	Rear	0.742	0.291		1.033	No
	Front	0.433	0.174		0.607	No
	Edge 2	0.626	0.381		1.007	No
	Rear	0.742		0.042	0.784	No
	Front	0.433		0.042	0.475	No
	Edge 2	0.626		0.042	0.668	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 &Wi-Fi & BT:

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 12	Wi-Fi DTS Band	Bluetooth		
AGM_PAD_P2						
Body-worn	Rear	0.131	0.071		0.202	No
	Front	0.073	0.041		0.114	No
	Edge 2	0.064	0.056		0.120	No
	Rear	0.131		0.042	0.173	No
	Front	0.073		0.042	0.115	No
	Edge 2	0.064		0.042	0.106	No
AGM_PAD_P2W						
Body-worn	Rear	0.450	0.291		0.741	No
	Front	0.313	0.174		0.487	No
	Edge 2	0.241	0.381		0.622	No
	Rear	0.450		0.042	0.492	No
	Front	0.313		0.042	0.355	No
	Edge 2	0.241		0.042	0.283	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 &Wi-Fi & BT:

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 17	Wi-Fi DTS Band	Bluetooth		
AGM_PAD_P2						
Body-worn	Rear	0.115	0.071		0.186	No
	Front	0.060	0.041		0.101	No
	Edge 2	0.111	0.056		0.167	No
	Rear	0.115		0.042	0.157	No
	Front	0.060		0.042	0.102	No
	Edge 2	0.111		0.042	0.153	No
AGM_PAD_P2W						
Body-worn	Rear	0.395	0.291		0.686	No
	Front	0.435	0.174		0.609	No
	Edge 2	0.237	0.381		0.618	No
	Rear	0.395		0.042	0.437	No
	Front	0.435		0.042	0.477	No
	Edge 2	0.237		0.042	0.279	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 &Wi-Fi & BT:

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 26a	Wi-Fi DTS Band	Bluetooth		
AGM_PAD_P2						
Body-worn	Rear	0.347	0.071		0.418	No
	Front	0.209	0.041		0.250	No
	Edge 2	0.273	0.056		0.329	No
	Rear	0.347		0.042	0.389	No
	Front	0.209		0.042	0.251	No
	Edge 2	0.273		0.042	0.315	No
AGM_PAD_P2W						
Body-worn	Rear	0.390	0.291		0.681	No
	Front	0.404	0.174		0.578	No
	Edge 2	0.303	0.381		0.684	No
	Rear	0.390		0.042	0.432	No
	Front	0.404		0.042	0.446	No
	Edge 2	0.303		0.042	0.345	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 26b &Wi-Fi & BT:

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 26b	Wi-Fi DTS Band	Bluetooth		
AGM_PAD_P2						
Body-worn	Rear	0.352	0.071		0.423	No
	Front	0.203	0.041		0.244	No
	Edge 2	0.282	0.056		0.338	No
	Rear	0.352		0.042	0.394	No
	Front	0.203		0.042	0.245	No
	Edge 2	0.282		0.042	0.324	No
AGM_PAD_P2W						
Body-worn	Rear	0.314	0.291		0.605	No
	Front	0.295	0.174		0.469	No
	Edge 2	0.247	0.381		0.628	No
	Rear	0.314		0.042	0.356	No
	Front	0.295		0.042	0.337	No
	Edge 2	0.247		0.042	0.289	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 &Wi-Fi & BT:

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 38	Wi-Fi DTS Band	Bluetooth		
AGM_PAD_P2						
Body-worn	Rear	0.155	0.071		0.226	No
	Front	0.092	0.041		0.133	No
	Edge 2	0.145	0.056		0.201	No
	Rear	0.155		0.042	0.197	No
	Front	0.092		0.042	0.134	No
	Edge 2	0.145		0.042	0.187	No
AGM_PAD_P2W						
Body-worn	Rear	0.376	0.291		0.667	No
	Front	0.127	0.174		0.301	No
	Edge 2	0.237	0.381		0.618	No
	Rear	0.376		0.042	0.418	No
	Front	0.127		0.042	0.169	No
	Edge 2	0.237		0.042	0.279	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 &Wi-Fi & BT:

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 40-Lower Side	Wi-Fi DTS Band	Bluetooth		
AGM_PAD_P2						
Body-worn	Rear	0.050	0.071		0.121	No
	Front	0.035	0.041		0.076	No
	Edge 2	0.048	0.056		0.104	No
	Rear	0.050		0.042	0.092	No
	Front	0.035		0.042	0.077	No
	Edge 2	0.048		0.042	0.090	No
AGM_PAD_P2W						
Body-worn	Rear	0.341	0.291		0.632	No
	Front	0.115	0.174		0.289	No
	Edge 2	0.112	0.381		0.493	No
	Rear	0.341		0.042	0.383	No
	Front	0.115		0.042	0.157	No
	Edge 2	0.112		0.042	0.154	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 &Wi-Fi & BT:

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 40-Upper Side	Wi-Fi DTS Band	Bluetooth		
AGM_PAD_P2						
Body-worn	Rear	0.052	0.071		0.123	No
	Front	0.027	0.041		0.068	No
	Edge 2	0.039	0.056		0.095	No
	Rear	0.052		0.042	0.094	No
	Front	0.027		0.042	0.069	No
	Edge 2	0.039		0.042	0.081	No
AGM_PAD_P2W						
Body-worn	Rear	0.163	0.291		0.454	No
	Front	0.114	0.174		0.288	No
	Edge 2	0.114	0.381		0.495	No
	Rear	0.163		0.042	0.205	No
	Front	0.114		0.042	0.156	No
	Edge 2	0.114		0.042	0.156	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 &Wi-Fi & BT:

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 41	Wi-Fi DTS Band	Bluetooth		
AGM_PAD_P2						
Body-worn	Rear	0.145	0.071		0.216	No
	Front	0.091	0.041		0.132	No
	Edge 2	0.145	0.056		0.201	No
	Rear	0.145		0.042	0.187	No
	Front	0.091		0.042	0.133	No
	Edge 2	0.145		0.042	0.187	No
AGM_PAD_P2W						
Body-worn	Rear	0.414	0.291		0.705	No
	Front	0.277	0.174		0.451	No
	Edge 2	0.243	0.381		0.624	No
	Rear	0.414		0.042	0.456	No
	Front	0.277		0.042	0.319	No
	Edge 2	0.243		0.042	0.285	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 &Wi-Fi & BT:

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 66	Wi-Fi DTS Band	Bluetooth		
AGM_PAD_P2						
Body-worn	Rear	0.956	0.071		1.027	No
	Front	0.552	0.041		0.593	No
	Edge 2	0.630	0.056		0.686	No
	Rear	0.956		0.042	0.998	No
	Front	0.552		0.042	0.594	No
	Edge 2	0.630		0.042	0.672	No
AGM_PAD_P2W						
Body-worn	Rear	0.364	0.291		0.655	No
	Front	0.284	0.174		0.458	No
	Edge 2	0.237	0.381		0.618	No
	Rear	0.364		0.042	0.406	No
	Front	0.284		0.042	0.326	No
	Edge 2	0.237		0.042	0.279	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 & Wi-Fi 5.2GHz & Wi-Fi 5.8GHz:

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		GSM 850	Wi-Fi 5.2GHz	Wi-Fi 5.8GHz		
AGM_PAD_P2						
Body-worn (voice)	Rear	0.249	0.167		0.416	No
		0.249		0.090	0.339	No
	Front	0.153	0.124		0.277	No
		0.153		0.087	0.240	No
Body-worn (Data)	Rear	0.349		0.090	0.439	No
		0.349	0.167		0.516	No
	Front	0.210		0.087	0.297	No
		0.210	0.124		0.334	No
Body-worn (Hotspot)	Edge 2	0.268	0.146		0.414	No
	Edge 2	0.268		0.100	0.368	No
AGM_PAD_P2W						
Body-worn (voice)	Rear	0.201	0.178		0.379	No
		0.201		0.237	0.438	No
	Front	0.251	0.075		0.326	No
		0.251		0.241	0.492	No
Body-worn (Data)	Rear	0.235		0.237	0.472	No
		0.235	0.178		0.413	No
	Front	0.300		0.241	0.541	No
		0.300	0.075		0.375	No
Body-worn (Hotspot)	Edge 2	0.233	0.186		0.419	No
	Edge 2	0.233		0.421	0.654	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 & Wi-Fi 5.2GHz & Wi-Fi 5.8GHz:

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		PCS 1900	Wi-Fi 5.2GHz	Wi-Fi 5.8GHz		
AGM_PAD_P2						
Body-worn (voice)	Rear	0.590	0.167		0.757	No
		0.590		0.090	0.680	No
	Front	0.338	0.124		0.462	No
		0.338		0.087	0.425	No
Body-worn (Data)	Rear	0.503		0.090	0.593	No
		0.503	0.167		0.670	No
	Front	0.319		0.087	0.406	No
		0.319	0.124		0.443	No
Body-worn (Hotspot)	Edge 2	0.548	0.146		0.694	No
	Edge 2	0.548		0.100	0.648	No
AGM_PAD_P2W						
Body-worn (voice)	Rear	0.247	0.178		0.425	No
		0.247		0.237	0.484	No
	Front	0.107	0.075		0.182	No
		0.107		0.241	0.348	No
Body-worn (Data)	Rear	0.212		0.237	0.449	No
		0.212	0.178		0.390	No
	Front	0.094		0.241	0.335	No
		0.094	0.075		0.169	No
Body-worn (Hotspot)	Edge 2	0.137	0.186		0.323	No
	Edge 2	0.137		0.421	0.558	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 & Wi-Fi 5.2GHz & Wi-Fi 5.8GHz:

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		WCDMA Band II	Wi-Fi 5.2GHz	Wi-Fi 5.8GHz		
AGM_PAD_P2						
Body-worn	Rear	0.887	0.167		1.054	No
	Front	0.580	0.124		0.704	No
	Edge 2	1.176	0.146		**1.322**	No
	Rear	0.887		0.090	0.977	No
	Front	0.580		0.087	0.667	No
	Edge 2	1.176		0.100	1.276	No
AGM_PAD_P2W						
Body-worn	Rear	0.394	0.178		0.572	No
	Front	0.242	0.075		0.317	No
	Edge 2	0.309	0.186		0.495	No
	Rear	0.394		0.237	0.631	No
	Front	0.242		0.241	0.483	No
	Edge 2	0.309		0.421	0.730	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 & Wi-Fi 5.2GHz & Wi-Fi 5.8GHz:

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		WCDMA Band IV	Wi-Fi 5.2GHz	Wi-Fi 5.8GHz		
AGM_PAD_P2						
Body-worn	Rear	1.130	0.167		1.297	No
	Front	0.702	0.124		0.826	No
	Edge 2	0.751	0.146		0.897	No
	Rear	1.130		0.090	1.220	No
	Front	0.702		0.087	0.789	No
	Edge 2	0.751		0.100	0.851	No
AGM_PAD_P2W						
Body-worn	Rear	0.345	0.178		0.523	No
	Front	0.236	0.075		0.311	No
	Edge 2	0.241	0.186		0.427	No
	Rear	0.345		0.237	0.582	No
	Front	0.236		0.241	0.477	No
	Edge 2	0.241		0.421	0.662	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 & Wi-Fi 5.2GHz & Wi-Fi 5.8GHz:

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		WCDMA Band V	Wi-Fi 5.2GHz	Wi-Fi 5.8GHz		
AGM_PAD_P2						
Body-worn	Rear	0.387	0.167		0.554	No
	Front	0.291	0.124		0.415	No
	Edge 2	0.428	0.146		0.574	No
	Rear	0.387		0.090	0.477	No
	Front	0.291		0.087	0.378	No
	Edge 2	0.428		0.100	0.528	No
AGM_PAD_P2W						
Body-worn	Rear	0.374	0.178		0.552	No
	Front	0.406	0.075		0.481	No
	Edge 2	0.334	0.186		0.520	No
	Rear	0.374		0.237	0.611	No
	Front	0.406		0.241	0.647	No
	Edge 2	0.334		0.421	0.755	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 & Wi-Fi 5.2GHz & Wi-Fi 5.8GHz:

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 2	Wi-Fi 5.2GHz	Wi-Fi 5.8GHz		
AGM_PAD_P2						
Body-worn	Rear	0.156	0.167		0.323	No
	Front	0.090	0.124		0.214	No
	Edge 2	0.182	0.146		0.328	No
	Rear	0.156		0.090	0.246	No
	Front	0.090		0.087	0.177	No
	Edge 2	0.182		0.100	0.282	No
AGM_PAD_P2W						
Body-worn	Rear	0.420	0.178		0.598	No
	Front	0.241	0.075		0.316	No
	Edge 2	0.260	0.186		0.446	No
	Rear	0.420		0.237	0.657	No
	Front	0.241		0.241	0.482	No
	Edge 2	0.260		0.421	0.681	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 & Wi-Fi 5.2GHz & Wi-Fi 5.8GHz:

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 4	Wi-Fi 5.2GHz	Wi-Fi 5.8GHz		
AGM_PAD_P2						
Body-worn	Rear	1.029	0.167		1.196	No
	Front	0.511	0.124		0.635	No
	Edge 2	0.740	0.146		0.886	No
	Rear	1.029		0.090	1.119	No
	Front	0.511		0.087	0.598	No
	Edge 2	0.740		0.100	0.840	No
AGM_PAD_P2W						
Body-worn	Rear	0.335	0.178		0.513	No
	Front	0.257	0.075		0.332	No
	Edge 2	0.207	0.186		0.393	No
	Rear	0.335		0.237	0.572	No
	Front	0.257		0.241	0.498	No
	Edge 2	0.207		0.421	0.628	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 & Wi-Fi 5.2GHz & Wi-Fi 5.8GHz:

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 5	Wi-Fi 5.2GHz	Wi-Fi 5.8GHz		
AGM_PAD_P2						
Body-worn	Rear	0.305	0.167		0.472	No
	Front	0.151	0.124		0.275	No
	Edge 2	0.279	0.146		0.425	No
	Rear	0.305		0.090	0.395	No
	Front	0.151		0.087	0.238	No
	Edge 2	0.279		0.100	0.379	No
AGM_PAD_P2W						
Body-worn	Rear	0.387	0.178		0.565	No
	Front	0.357	0.075		0.432	No
	Edge 2	0.346	0.186		0.532	No
	Rear	0.387		0.237	0.624	No
	Front	0.357		0.241	0.598	No
	Edge 2	0.346		0.421	0.767	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 7 & Wi-Fi 5.2GHz & Wi-Fi 5.8GHz:

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 7	Wi-Fi 5.2GHz	Wi-Fi 5.8GHz		
AGM_PAD_P2						
Body-worn	Rear	0.187	0.167		0.354	No
	Front	0.125	0.124		0.249	No
	Edge 2	0.184	0.146		0.330	No
	Rear	0.187		0.090	0.277	No
	Front	0.125		0.087	0.212	No
	Edge 2	0.184		0.100	0.284	No
AGM_PAD_P2W						
Body-worn	Rear	0.742	0.178		0.920	No
	Front	0.433	0.075		0.508	No
	Edge 2	0.626	0.186		0.812	No
	Rear	0.742		0.237	0.979	No
	Front	0.433		0.241	0.674	No
	Edge 2	0.626		0.421	1.047	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 & Wi-Fi 5.2GHz & Wi-Fi 5.8GHz:

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 12	Wi-Fi 5.2GHz	Wi-Fi 5.8GHz		
AGM_PAD_P2						
Body-worn	Rear	0.131	0.167		0.298	No
	Front	0.073	0.124		0.197	No
	Edge 2	0.064	0.146		0.210	No
	Rear	0.131		0.090	0.221	No
	Front	0.073		0.087	0.160	No
	Edge 2	0.064		0.100	0.164	No
AGM_PAD_P2W						
Body-worn	Rear	0.450	0.178		0.628	No
	Front	0.313	0.075		0.388	No
	Edge 2	0.241	0.186		0.427	No
	Rear	0.450		0.237	0.687	No
	Front	0.313		0.241	0.554	No
	Edge 2	0.241		0.421	0.662	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 & Wi-Fi 5.2GHz & Wi-Fi 5.8GHz:

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 17	Wi-Fi 5.2GHz	Wi-Fi 5.8GHz		
AGM_PAD_P2						
Body-worn	Rear	0.115	0.167		0.282	No
	Front	0.060	0.124		0.184	No
	Edge 2	0.111	0.146		0.257	No
	Rear	0.115		0.090	0.205	No
	Front	0.060		0.087	0.147	No
	Edge 2	0.111		0.100	0.211	No
AGM_PAD_P2W						
Body-worn	Rear	0.395	0.178		0.573	No
	Front	0.435	0.075		0.510	No
	Edge 2	0.237	0.186		0.423	No
	Rear	0.395		0.237	0.632	No
	Front	0.435		0.241	0.676	No
	Edge 2	0.237		0.421	0.658	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 & Wi-Fi 5.2GHz & Wi-Fi 5.8GHz:

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 26a	Wi-Fi 5.2GHz	Wi-Fi 5.8GHz		
AGM_PAD_P2						
Body-worn	Rear	0.347	0.167		0.514	No
	Front	0.209	0.124		0.333	No
	Edge 2	0.273	0.146		0.419	No
	Rear	0.347		0.090	0.437	No
	Front	0.209		0.087	0.296	No
	Edge 2	0.273		0.100	0.373	No
AGM_PAD_P2W						
Body-worn	Rear	0.390	0.178		0.568	No
	Front	0.404	0.075		0.479	No
	Edge 2	0.303	0.186		0.489	No
	Rear	0.390		0.237	0.627	No
	Front	0.404		0.241	0.645	No
	Edge 2	0.303		0.421	0.724	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 26b & Wi-Fi 5.2GHz & Wi-Fi 5.8GHz:

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 26b	Wi-Fi 5.2GHz	Wi-Fi 5.8GHz		
AGM_PAD_P2						
Body-worn	Rear	0.352	0.167		0.519	No
	Front	0.203	0.124		0.327	No
	Edge 2	0.282	0.146		0.428	No
	Rear	0.352		0.090	0.442	No
	Front	0.203		0.087	0.290	No
	Edge 2	0.282		0.100	0.382	No
AGM_PAD_P2W						
Body-worn	Rear	0.314	0.178		0.492	No
	Front	0.295	0.075		0.370	No
	Edge 2	0.247	0.186		0.433	No
	Rear	0.314		0.237	0.551	No
	Front	0.295		0.241	0.536	No
	Edge 2	0.247		0.421	0.668	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 & Wi-Fi 5.2GHz & Wi-Fi 5.8GHz:

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 38	Wi-Fi 5.2GHz	Wi-Fi 5.8GHz		
AGM_PAD_P2						
Body-worn	Rear	0.155	0.167		0.322	No
	Front	0.092	0.124		0.216	No
	Edge 2	0.145	0.146		0.291	No
	Rear	0.155		0.090	0.245	No
	Front	0.092		0.087	0.179	No
	Edge 2	0.145		0.100	0.245	No
AGM_PAD_P2W						
Body-worn	Rear	0.376	0.178		0.554	No
	Front	0.127	0.075		0.202	No
	Edge 2	0.237	0.186		0.423	No
	Rear	0.376		0.237	0.613	No
	Front	0.127		0.241	0.368	No
	Edge 2	0.237		0.421	0.658	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 & Wi-Fi 5.2GHz & Wi-Fi 5.8GHz:

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 40-Lower Side	Wi-Fi 5.2GHz	Wi-Fi 5.8GHz		
AGM_PAD_P2						
Body-worn	Rear	0.050	0.167		0.217	No
	Front	0.035	0.124		0.159	No
	Edge 2	0.048	0.146		0.194	No
	Rear	0.050		0.090	0.140	No
	Front	0.035		0.087	0.122	No
	Edge 2	0.048		0.100	0.148	No
AGM_PAD_P2W						
Body-worn	Rear	0.341	0.178		0.519	No
	Front	0.115	0.075		0.190	No
	Edge 2	0.112	0.186		0.298	No
	Rear	0.341		0.237	0.578	No
	Front	0.115		0.241	0.356	No
	Edge 2	0.112		0.421	0.533	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 & Wi-Fi 5.2GHz & Wi-Fi 5.8GHz:

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 40-Upper Side	Wi-Fi 5.2GHz	Wi-Fi 5.8GHz		
AGM_PAD_P2						
Body-worn	Rear	0.052	0.167		0.219	No
	Front	0.027	0.124		0.151	No
	Edge 2	0.039	0.146		0.185	No
	Rear	0.052		0.090	0.142	No
	Front	0.027		0.087	0.114	No
	Edge 2	0.039		0.100	0.139	No
AGM_PAD_P2W						
Body-worn	Rear	0.163	0.178		0.341	No
	Front	0.114	0.075		0.189	No
	Edge 2	0.114	0.186		0.300	No
	Rear	0.163		0.237	0.400	No
	Front	0.114		0.241	0.355	No
	Edge 2	0.114		0.421	0.535	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 & Wi-Fi 5.2GHz & Wi-Fi 5.8GHz:

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 41	Wi-Fi 5.2GHz	Wi-Fi 5.8GHz		
AGM_PAD_P2						
Body-worn	Rear	0.145	0.167		0.312	No
	Front	0.091	0.124		0.215	No
	Edge 2	0.145	0.146		0.291	No
	Rear	0.145		0.090	0.235	No
	Front	0.091		0.087	0.178	No
	Edge 2	0.145		0.100	0.245	No
AGM_PAD_P2W						
Body-worn	Rear	0.414	0.178		0.592	No
	Front	0.277	0.075		0.352	No
	Edge 2	0.243	0.186		0.429	No
	Rear	0.414		0.237	0.651	No
	Front	0.277		0.241	0.518	No
	Edge 2	0.243		0.421	0.664	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 &Wi-Fi 5.2GHz & Wi-Fi 5.8GHz:

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 66	Wi-Fi 5.2GHz	Wi-Fi 5.8GHz		
AGM_PAD_P2						
Body-worn	Rear	0.956	0.167		1.123	No
	Front	0.552	0.124		0.676	No
	Edge 2	0.630	0.146		0.776	No
	Rear	0.956		0.090	1.046	No
	Front	0.552		0.087	0.639	No
	Edge 2	0.630		0.100	0.730	No
AGM_PAD_P2W						
Body-worn	Rear	0.364	0.178		0.542	No
	Front	0.284	0.075		0.359	No
	Edge 2	0.237	0.186		0.423	No
	Rear	0.364		0.237	0.601	No
	Front	0.284		0.241	0.525	No
	Edge 2	0.237		0.421	0.658	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 “

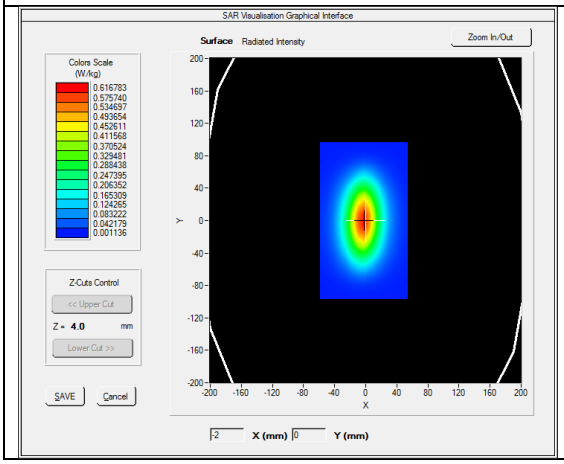
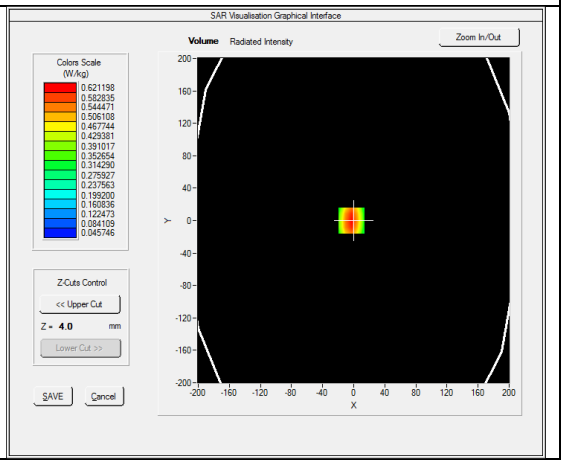
APPENDIX A. SAR SYSTEM CHECK DATA

Test Laboratory: AGC Lab **Date: Feb. 03, 2024**
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=1.95
Frequency: 750 MHz; Medium parameters used: f = 750 MHz; σ=0.87 mho/m; εr =42.55; ρ= 1000 kg/m³ ;
Phantom section: Flat Section; Input Power=18dBm
Ambient temperature (℃):21.2, Liquid temperature (℃): 20.8

SATIMO Configuration:

- Probe: SSE2; Calibrated: May 31, 2023; Serial No.: 2023-EPGO-414
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: ELLI39 Phantom
- Measurement SW: OpenSAR V4_02_35

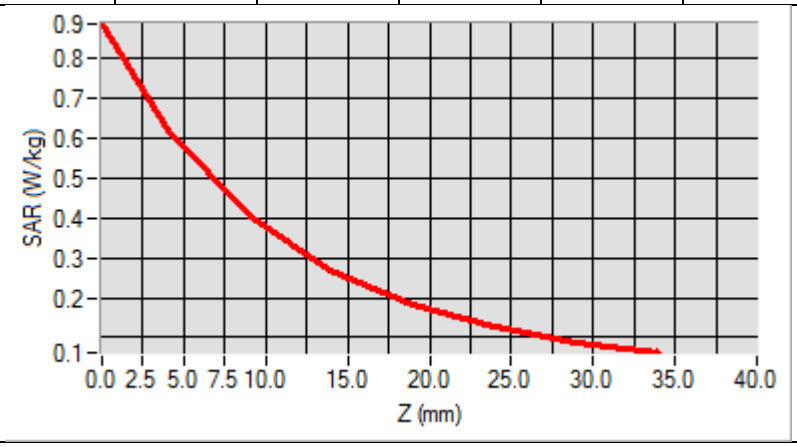
Configuration/System Check 750MHz Head/Area Scan: Measurement grid: dx=8mm, dy=8mm
Configuration/System Check 750MHz Head/Zoom Scan: Measurement grid: dx=8mm,dy=8mm, dz=5mm

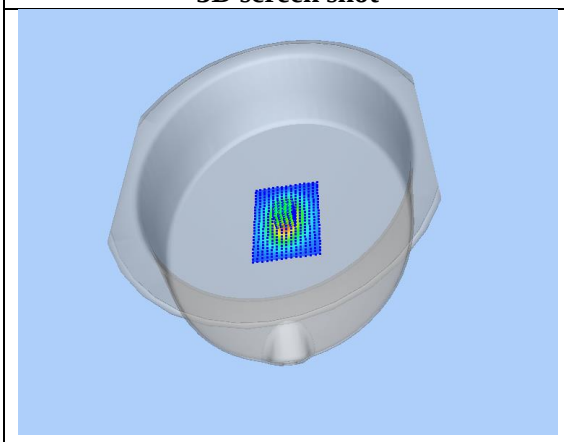
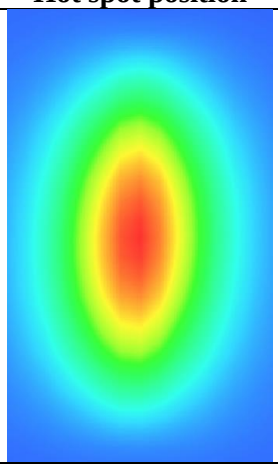
SURFACE SAR	VOLUME SAR
	

Maximum location: X=-3.00, Y=0.00
SAR Peak: 0.87 W/kg

SAR 10g (W/Kg)	0.354881
SAR 1g (W/Kg)	0.562096

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.8814	0.6229	0.4437	0.2650	0.1816	0.1209	0.0834



3D screen shot	Hot spot position
	

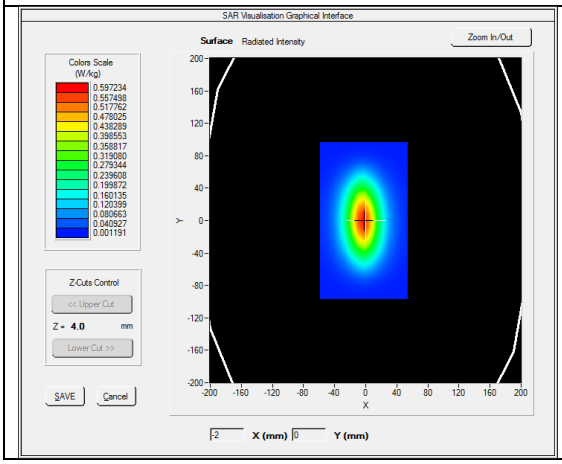
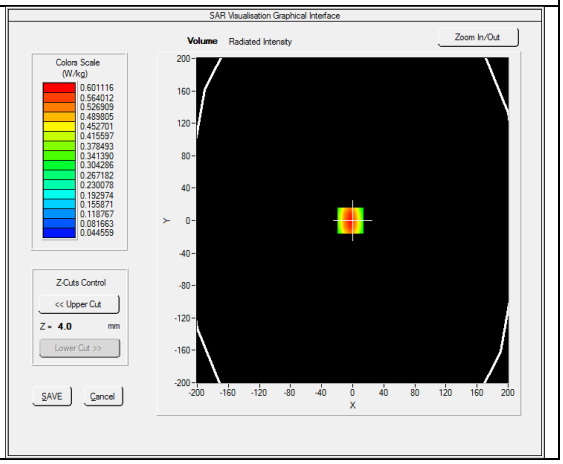
Test Laboratory: AGC Lab **Date: Feb. 01, 2024**
System Check Head 835 MHz
DUT: Dipole 835 MHz Type: SID 835
Communication System CW; Communication System Band: D835 (835.0 MHz); Duty Cycle: 1:1; Conv.F=2.02
Frequency: 835 MHz; Medium parameters used: f = 835 MHz; σ=0.89 mho/m; εr =42.75; ρ= 1000 kg/m³ ;
Phantom section: Flat Section; Input Power=18dBm

Ambient temperature (℃):20.8, Liquid temperature (℃): 20.3

SATIMO Configuration:

- Probe: SSE2; Calibrated: May 31, 2023; Serial No.: 2023-EPGO-414
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: ELLI39 Phantom
- Measurement SW: OpenSAR V4_02_35

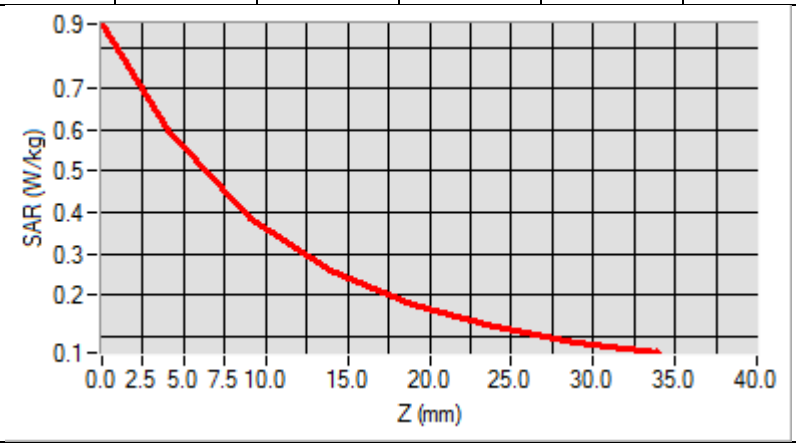
Configuration/System Check 835MHz Head/Area Scan: Measurement grid: dx=8mm, dy=8mm
Configuration/System Check 835MHz Head/Zoom Scan: Measurement grid: dx=8mm,dy=8mm, dz=5mm

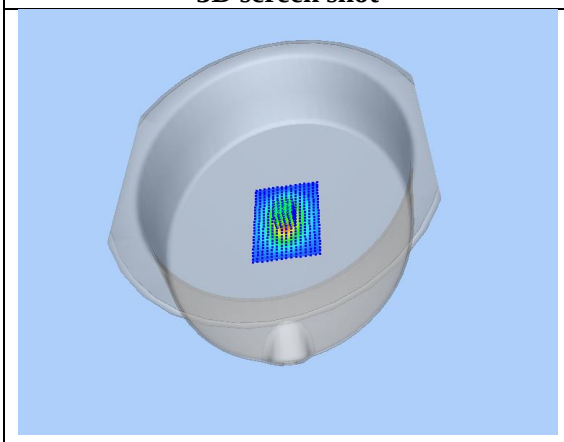
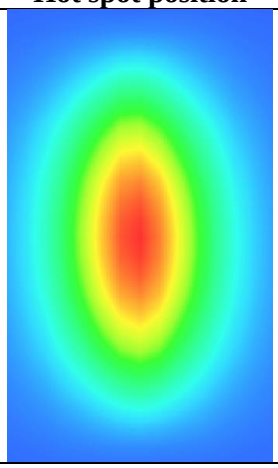
SURFACE SAR	VOLUME SAR
	

Maximum location: X=-3.00, Y=0.00
SAR Peak: 0.86 W/kg

SAR 10g (W/Kg)	0.364075
SAR 1g (W/Kg)	0.576210

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.8592	0.6034	0.3899	0.2594	0.1781	0.1235	0.0878



3D screen shot	Hot spot position
	

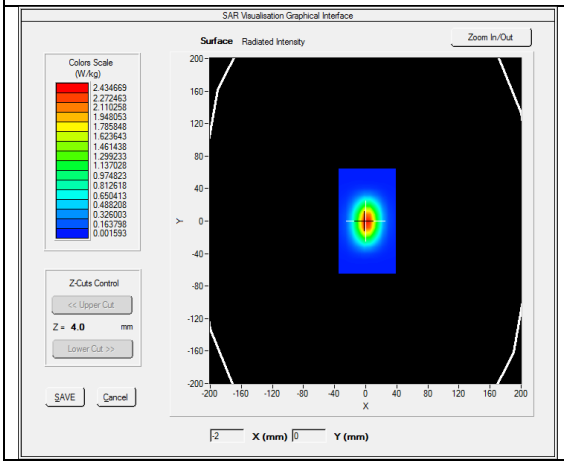
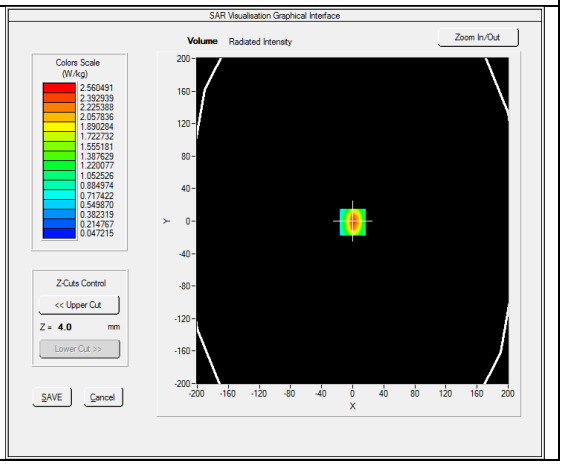
Test Laboratory: AGC Lab **Date: Mar. 02, 2024**
System Check Head 1750MHz
DUT: Dipole 1800 MHz; Type: SID 1800
Communication System: CW; Communication System Band: D1700 (1750.0 MHz); Duty Cycle:1:1; Conv.F=2.17
Frequency: 1750 MHz; Medium parameters used: f = 1750MHz; σ=1.35 mho/m; εr =41.04; ρ= 1000 kg/m^3 ;
Phantom section: Flat Section; Input Power=18dBm

Ambient temperature (℃): 21.1, Liquid temperature (℃): 20.9

SATIMO Configuration:
Probe: SSE2; Calibrated: May 31, 2023; Serial No.: 2023-EPGO-414

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

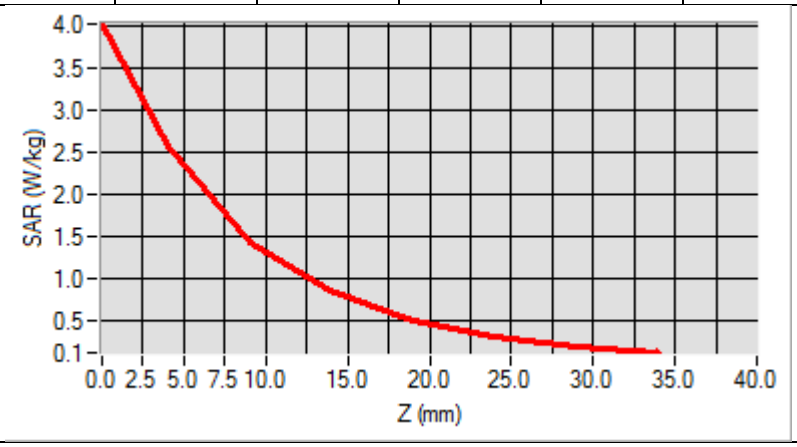
Configuration/System Check 1750MHz Head/Area Scan: Measurement grid: dx=8mm,dy=8mm
Configuration/System Check 1750MHz Head/Zoom Scan: Measurement grid: dx=8mm,dy=8mm, dz=5mm

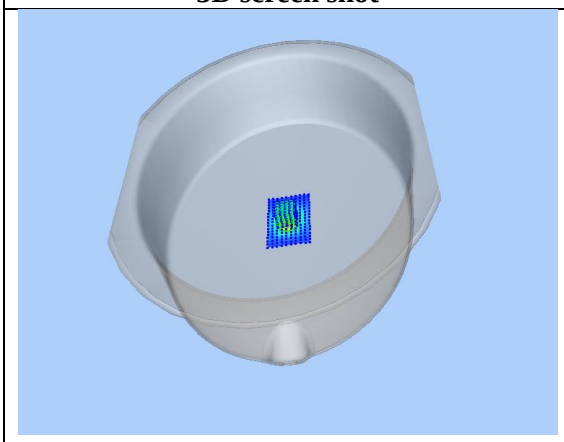
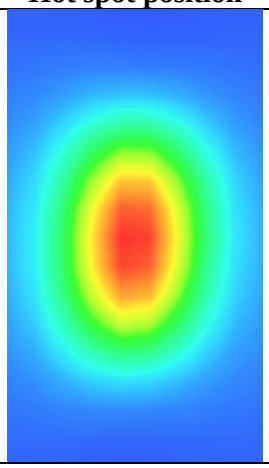
SURFACE SAR	VOLUME SAR
	

Maximum location: X=0.00, Y=-1.00
SAR Peak: 4.03 W/kg

SAR 10g (W/Kg)	1.257034
SAR 1g (W/Kg)	2.405100

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	4.0235	2.5671	1.4256	0.8343	0.4964	0.2902	0.1774



3D screen shot	Hot spot position
	

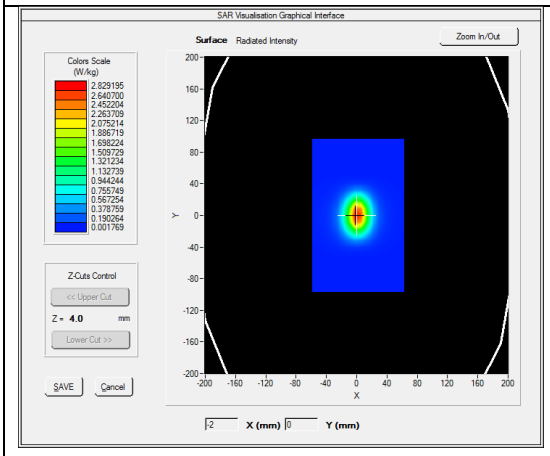
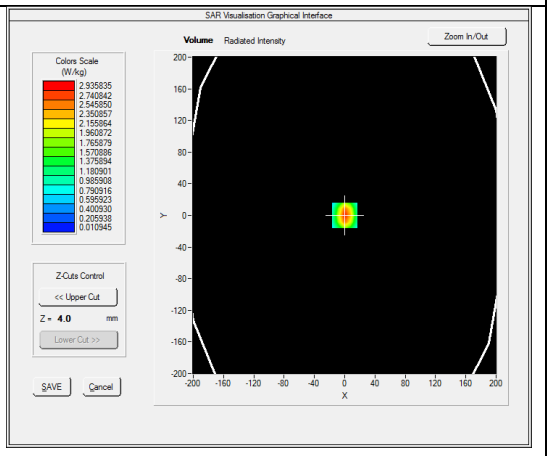
Test Laboratory: AGC Lab **Date: Mar. 01, 2024**
System Check Head 1900MHz
DUT: Dipole 1900 MHz; Type: SID 1900
Communication System: CW; Communication System Band: D1900 (1900.0 MHz); Duty Cycle:1:1; Conv.F=2.15
Frequency: 1900 MHz; Medium parameters used: f = 1900 MHz; σ=1.39 mho/m; εr =39.12; ρ= 1000 kg/m³ ;
Phantom section: Flat Section; Input Power=18dBm

Ambient temperature (℃):20.9, Liquid temperature (℃): 20.7

SATIMO Configuration:
Probe: SSE2; Calibrated: May 31, 2023; Serial No.: 2023-EPGO-414

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

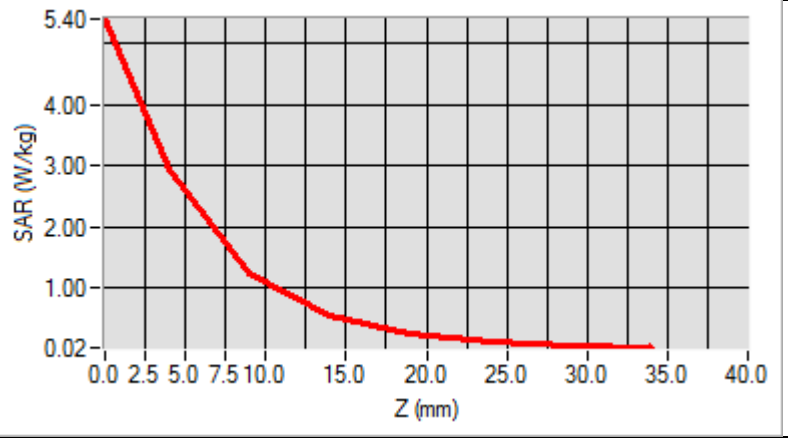
Configuration/System Check 1900MHz Head/Area Scan: Measurement grid: dx=8mm, dy=8mm
Configuration/System Check 1900MHz Head/Zoom Scan: Measurement grid: dx=8mm,dy=8mm, dz=5mm

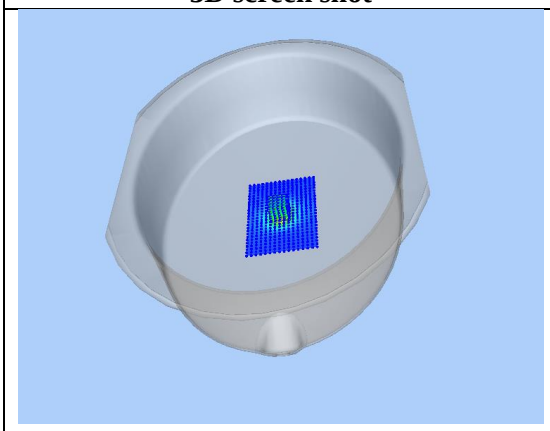
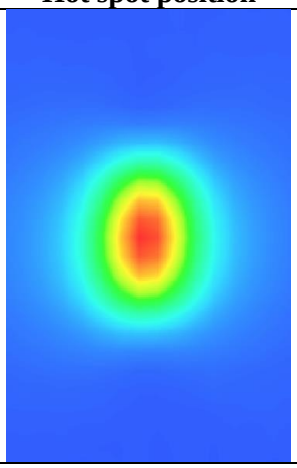
SURFACE SAR	VOLUME SAR
	

Maximum location: X=0.00, Y=0.00
SAR Peak: 5.33 W/kg

SAR 10g (W/Kg)	1.258246
SAR 1g (W/Kg)	2.654721

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	5.3965	2.9327	1.2334	0.5448	0.2334	0.1008	0.0494



3D screen shot	Hot spot position
	

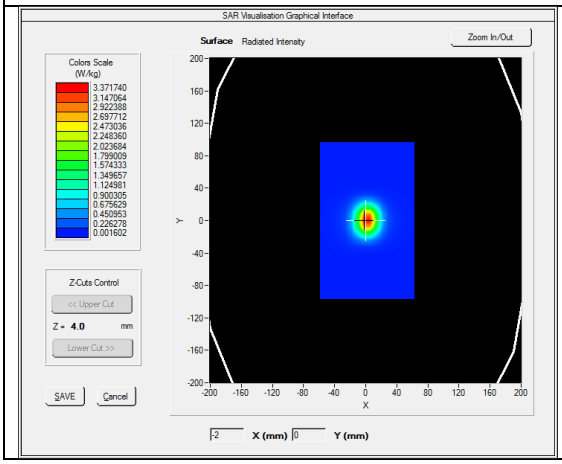
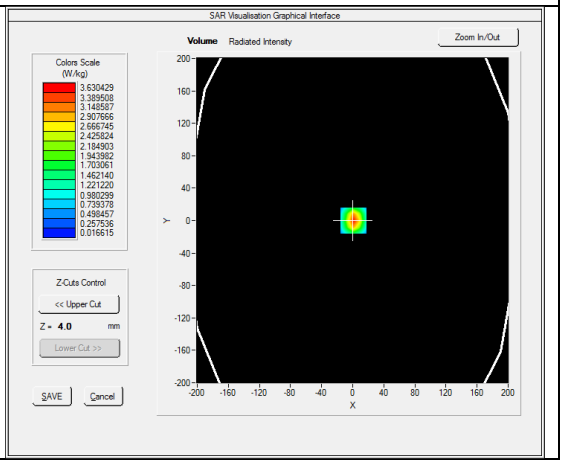
Test Laboratory: AGC Lab **Date: Feb. 04, 2024**
System Check Head 2300 MHz
DUT: Dipole 2300 MHz Type: SID 2300
Communication System CW; Communication System Band: D2300 (2300.0 MHz); Duty Cycle: 1:1; Conv.F=2.33
Frequency: 2300 MHz; Medium parameters used: f = 2300 MHz; σ=1.68 mho/m; εr =38.67; ρ= 1000 kg/m³ ;
Phantom section: Flat Section; Input Power=18dBm

Ambient temperature (℃): 21.9, Liquid temperature (℃): 21.4

SATIMO Configuration

- Probe: SSE2; Calibrated: May 31, 2023; Serial No.: 2023-EPGO-414
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: ELLI39 Phantom
- Measurement SW: OpenSAR V4_02_35

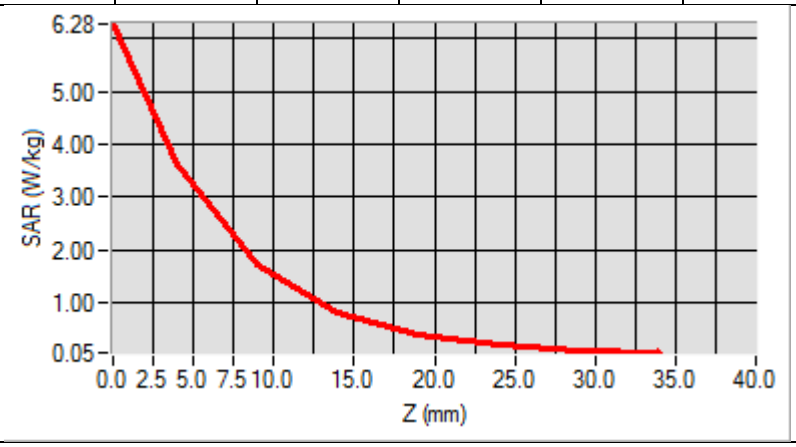
Configuration/System Check 2300MHz Head/Area Scan: Measurement grid: dx=8mm, dy=8mm
Configuration/System Check 2300MHz Head/Zoom Scan: Measurement grid: dx=5mm,dy=5mm, dz=5mm

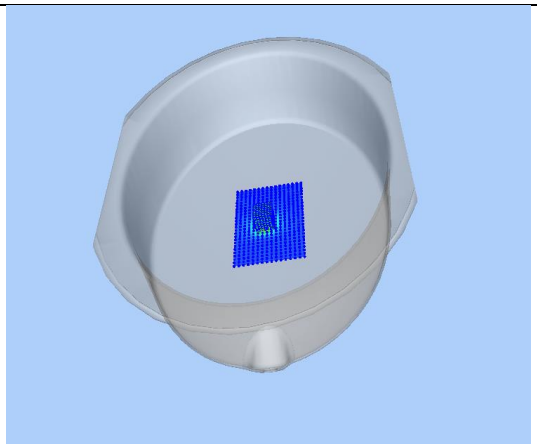
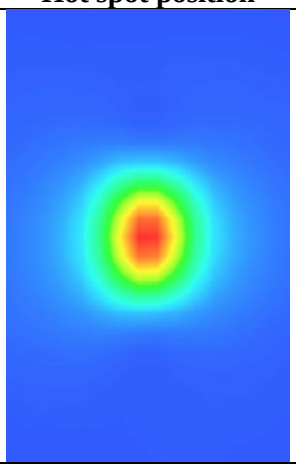
SURFACE SAR	VOLUME SAR
	

Maximum location: X=1.00, Y=0.00
SAR Peak: 6.23 W/kg

SAR 10g (W/Kg)	1.521084
SAR 1g (W/Kg)	3.373483

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	6.2727	3.6295	1.7136	0.8227	0.4018	0.1905	0.0939



3D screen shot	Hot spot position
	

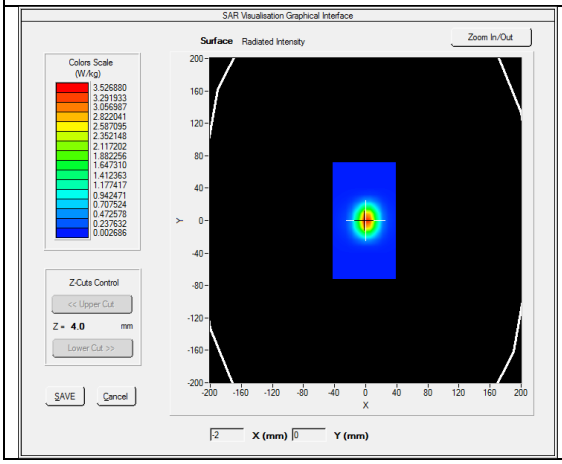
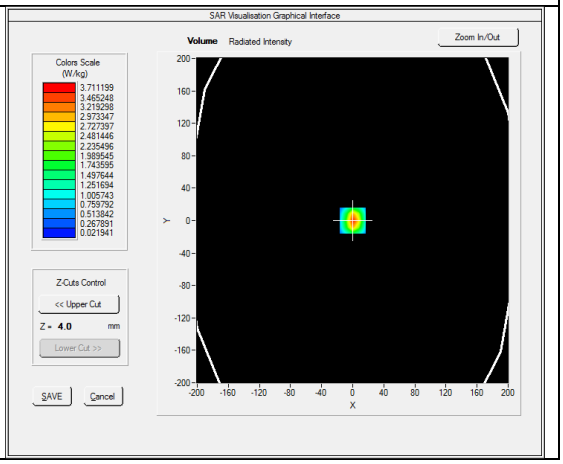
Test Laboratory: AGC Lab **Date: Feb. 18, 2024**
System Check Head 2450 MHz
DUT: Dipole 2450 MHz Type: SID 2450
Communication System CW; Communication System Band: D2450 (2450.0 MHz); Duty Cycle: 1:1; Conv.F=2.29
Frequency: 2450 MHz; Medium parameters used: f = 2450 MHz; σ=1.76 mho/m; εr =38.24; ρ= 1000 kg/m³ ;
Phantom section: Flat Section; Input Power=18dBm

Ambient temperature (℃):21.7, Liquid temperature (℃): 21.3

SATIMO Configuration

- Probe: SSE2; Calibrated: May 31, 2023; Serial No.: 2023-EPGO-414
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: ELLI39 Phantom
- Measurement SW: OpenSAR V4_02_35

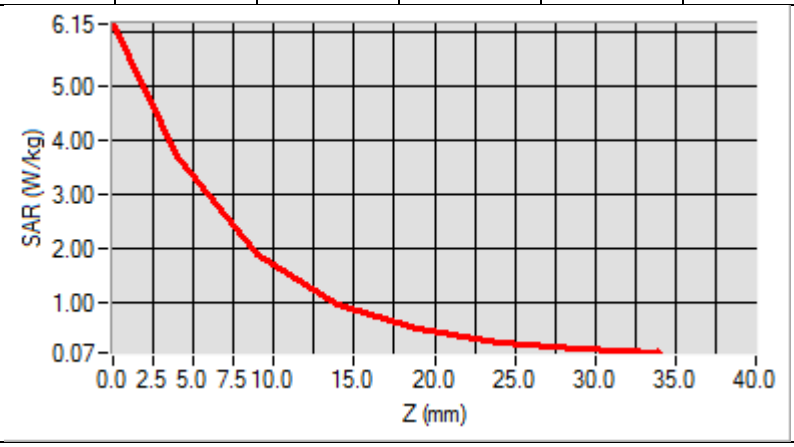
Configuration/System Check 2450MHz Head/Area Scan: Measurement grid: dx=8mm, dy=8mm
Configuration/System Check 2450MHz Head/Zoom Scan: Measurement grid: dx=5mm,dy=5mm, dz=5mm

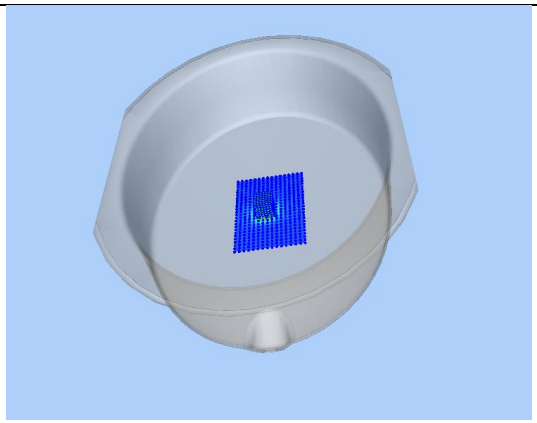
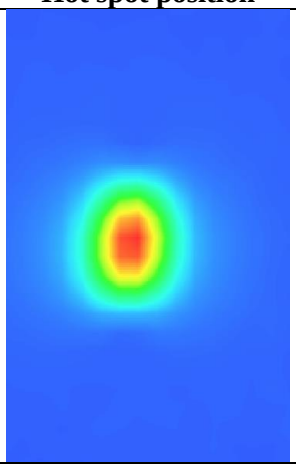
SURFACE SAR	VOLUME SAR
	

Maximum location: X=0.00, Y=0.00
SAR Peak: 6.14 W/kg

SAR 10g (W/Kg)	1.460985
SAR 1g (W/Kg)	3.244215

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	6.1508	3.7085	1.8784	0.9552	0.4938	0.2542	0.1360



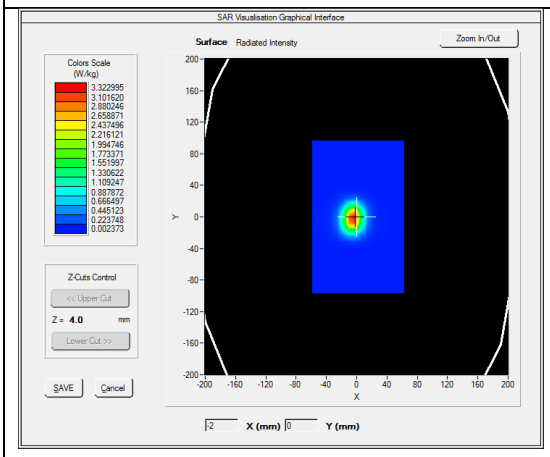
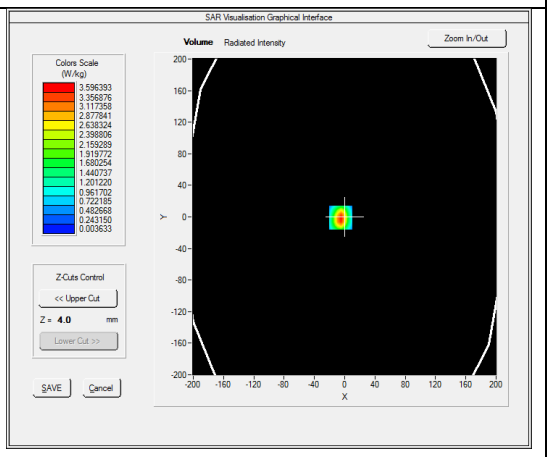
3D screen shot	Hot spot position
	

Test Laboratory: AGC Lab **Date: Feb. 19, 2024**
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=2.13
Frequency:2600 MHz; Medium parameters used: f = 2600 MHz; σ=1.99 mho/m; εr =38.58; ρ= 1000 kg/m^3 ;
Phantom section: Flat Section; Input Power=18dBm
Ambient temperature (℃): 20.8, Liquid temperature (℃): 20.4

SATIMO Configuration:

- Probe: SSE2; Calibrated: May 31, 2023; Serial No.: 2023-EPGO-414
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: ELLI39 Phantom
- Measurement SW: OpenSAR V4_02_35

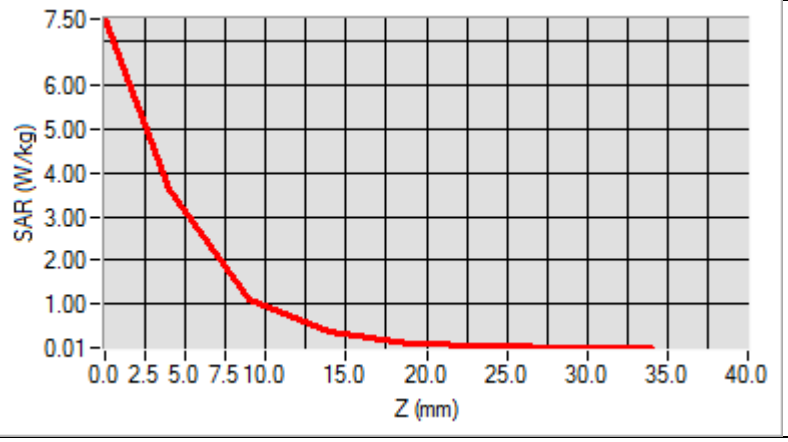
Configuration/System Check 2600 Head/Area Scan: Measurement grid: dx=8mm,dy=8mm
Configuration/System Check 2600 Head/Zoom Scan: Measurement grid: dx=5mm,dy=5mm, dz=5mm

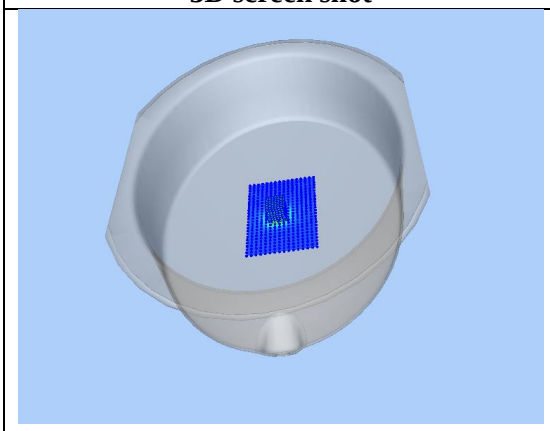
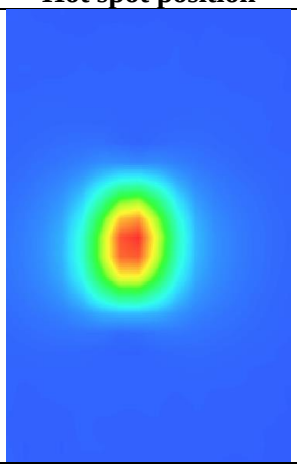
SURFACE SAR	VOLUME SAR
	

Maximum location: X=-5.00, Y=-1.00
SAR Peak: 7.34 W/kg

SAR 10g (W/Kg)	1.476915
SAR 1g (W/Kg)	3.364437

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	7.5018	3.5932	1.1207	0.3551	0.1298	0.0436	0.0141



3D screen shot	Hot spot position
	

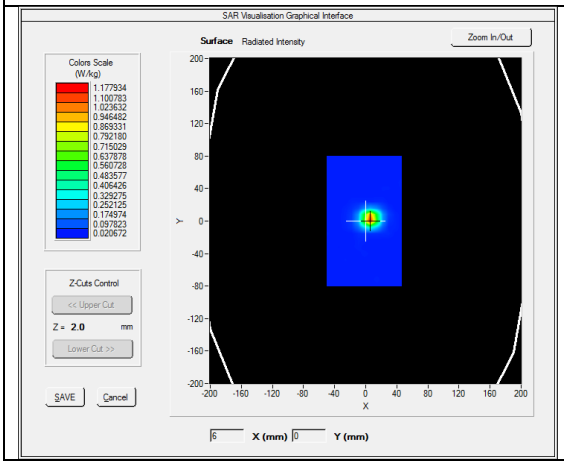
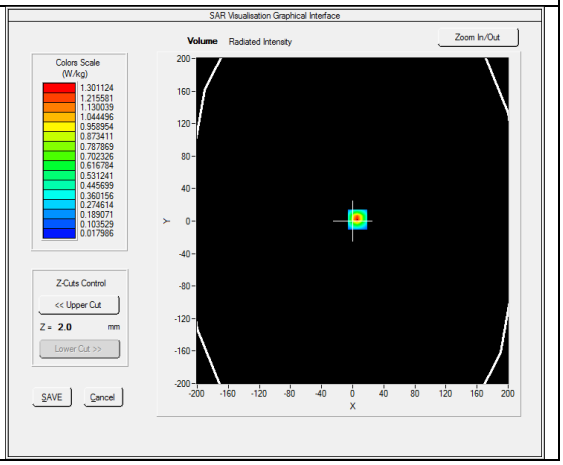
Test Laboratory: AGC Lab **Date: Feb. 28, 2024**
System Check 5200 MHz
DUT: Dipole 5000MHz Type: SID5500
Communication System: CW; Communication System Band: D5000 (5000.0 MHz); Duty Cycle: 1:1; Conv.F=1.35
Frequency: 5200 MHz; Medium parameters used: f = 5200 MHz; σ =4.60 mho/m; εr =35.23; ρ= 1000 kg/m^3 ;
Phantom section: Flat Section; Input Power=10dBm

Ambient temperature (℃): 20.8, Liquid temperature (℃): 20.3

SATIMO Configuration:

- Probe: SSE2; Calibrated: May 31, 2023; Serial No.: 2023-EPGO-414
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: ELLI39 Phantom
- Measurement SW: OpenSAR V4_02_35

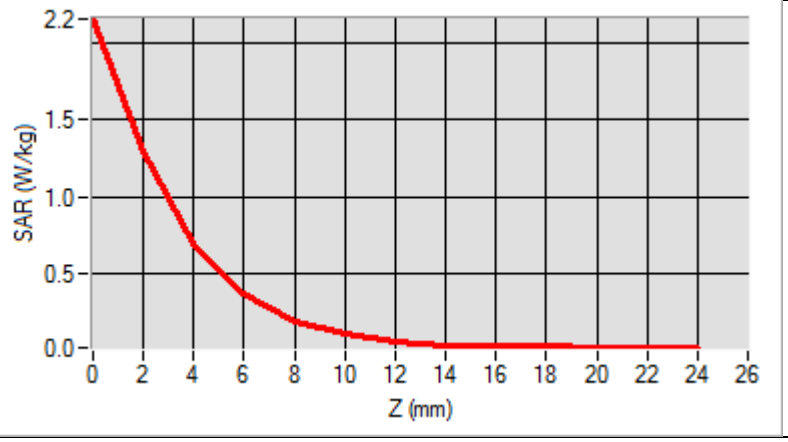
Configuration/System Check 5200 MHz Body/Area Scan: Measurement grid: dx=8mm, dy=8mm
Configuration/System Check 5200 MHz Body/Zoom Scan: Measurement grid: dx=4mm,dy=4mm, dz=2mm

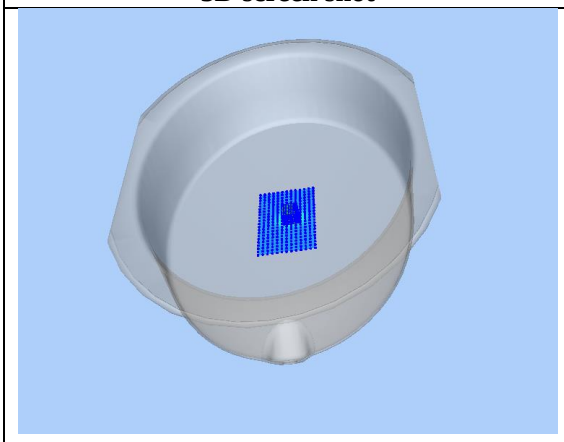
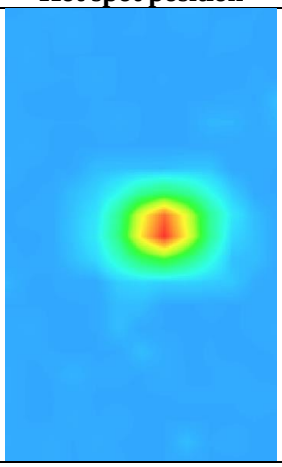
SURFACE SAR	VOLUME SAR
	

Maximum location: X=6.00, Y=2.00
SAR Peak: 2.26 W/kg

SAR 10g (W/Kg)	0.215741
SAR 1g (W/Kg)	0.691108

Z (mm)	0.00	2.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00	18.00	20.00	22.00
SAR (W/Kg)	2.1553	1.3001	0.6908	0.3677	0.1921	0.1099	0.0590	0.0374	0.0303	0.0292	0.0201	0.0203



3D screen shot	Hot spot position
	

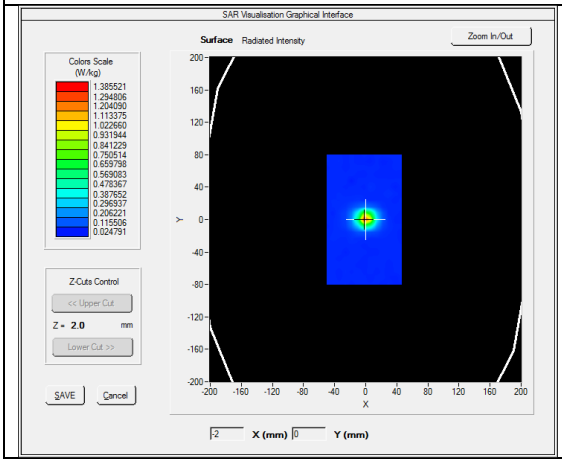
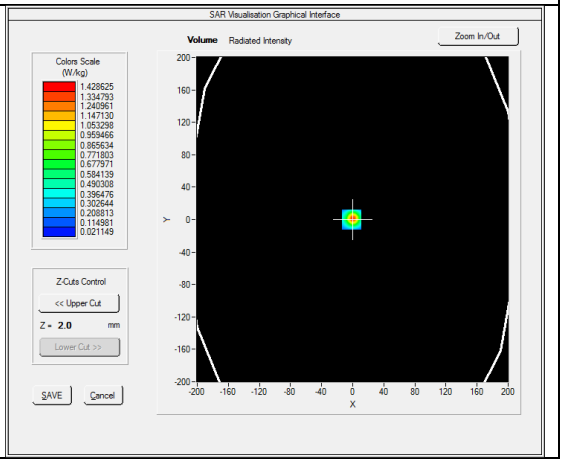
Test Laboratory: AGC Lab **Date: Feb. 29, 2024**
System Check Head 5800 MHz
DUT: Dipole 5000MHz Type: SID5500
Communication System: CW; Communication System Band: D5000 (5000.0 MHz); Duty Cycle: 1:1; Conv.F=1.41
Frequency: 5800 MHz; Medium parameters used: f = 5800 MHz; σ =5.20 mho/m; εr =34.85; ρ= 1000 kg/m^3 ;
Phantom section: Flat Section; Input Power=10dBm

Ambient temperature (℃): 20.1, Liquid temperature (℃): 19.7

SATIMO Configuration:

- Probe: SSE2; Calibrated: May 31, 2023; Serial No.: 2023-EPGO-414
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: ELLI39 Phantom
- Measurement SW: OpenSAR V4_02_35

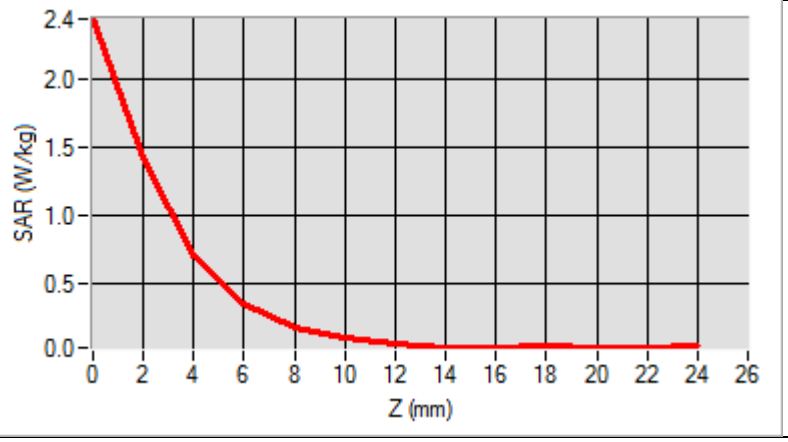
Configuration/System Check 5800 MHz Head/Area Scan: Measurement grid: dx=8mm, dy=8mm
Configuration/System Check 5800 MHz Head/Zoom Scan: Measurement grid: dx=4mm,dy=4mm, dz=2mm

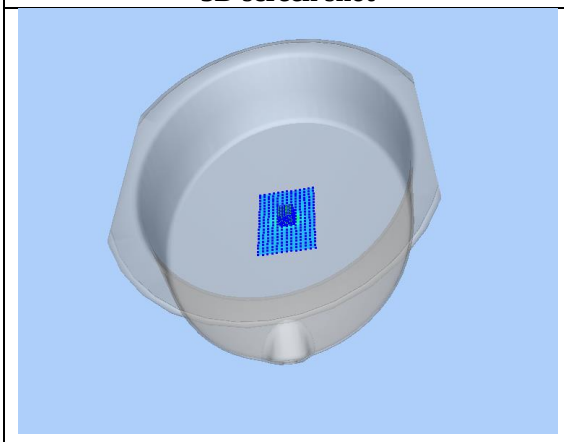
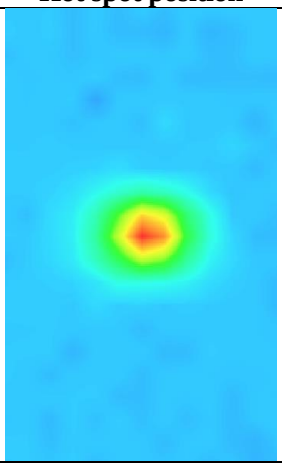
SURFACE SAR	VOLUME SAR
	

Maximum location: X=-1.00, Y=0.00
SAR Peak: 2.61 W/kg

SAR 10g (W/Kg)	0.241269
SAR 1g (W/Kg)	0.765311

Z (mm)	0.00	2.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00	18.00	20.00	22.00
SAR (W/Kg)	2.4365	1.4269	0.7058	0.3550	0.1791	0.1066	0.0617	0.0358	0.0376	0.0423	0.0351	0.0347



3D screen shot	Hot spot position
	

APPENDIX B. SAR MEASUREMENT DATA

Test Laboratory: AGC Lab **Date: Feb. 01, 2024**
GSM 850 Mid- Body- Back (MS)<SIM 1>
DUT: 4G smart PAD, Tablet; Type: AGM_PAD_P2

Communication System: Generic GSM; Communication System Band: GSM 850; Duty Cycle: 1:8.3; Conv.F=2.02; Frequency: 836.6 MHz; Medium parameters used: f = 835 MHz; σ= 0.92 mho/m; εr = 41.39; ρ= 1000 kg/m^3 ; Phantom section: Flat Section

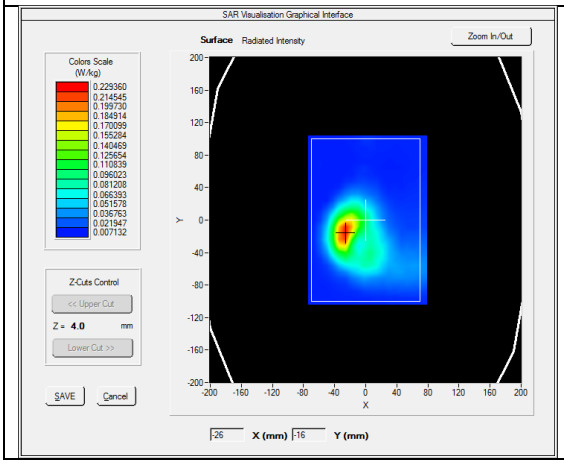
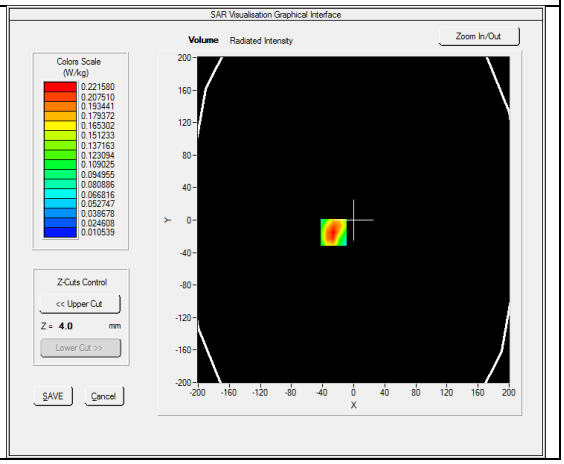
Ambient temperature (℃): 20.8, Liquid temperature (℃): 20.3

SATIMO Configuration:

- Probe: SSE2; Calibrated: May 31, 2023; Serial No.: 2023-EPGO-414
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: ELLI39 Phantom
- Measurement SW: OpenSAR V4_02_35

Configuration/GSM 850 Mid-Body-Back/Area Scan: Measurement grid: dx=8mm, dy=8mm
Configuration/GSM 850 Mid-Body-Back/Zoom Scan: Measurement grid: dx=8mm,dy=8mm, dz=5mm;

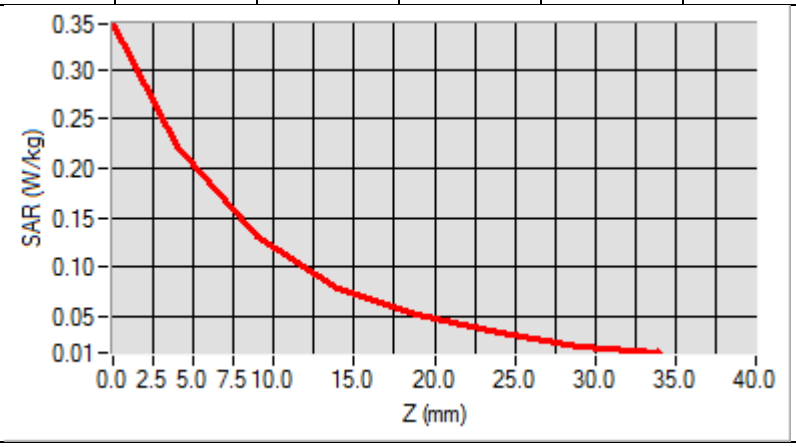
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete
Phantom	ELLI
Device Position	Body Back
Band	GSM 850
Channels	Middle
Signal	TDMA (Crest factor: 8.0)

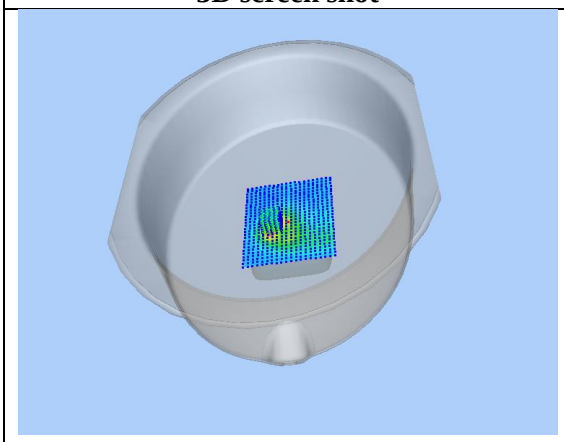
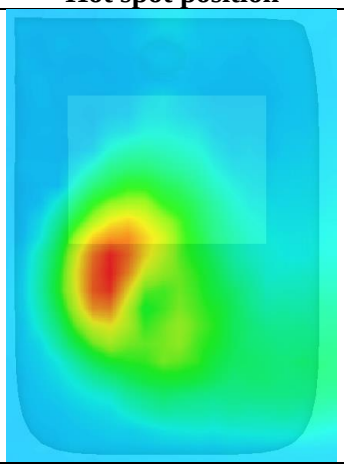
SURFACE SAR	VOLUME SAR
	

Maximum location: X=-26.00, Y=-15.00
SAR Peak: 0.34 W/kg

SAR 10g (W/Kg)	0.120701
SAR 1g (W/Kg)	0.212951

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.3455	0.2216	0.1305	0.0795	0.0535	0.0349	0.0197



3D screen shot	Hot spot position
	

Test Laboratory: AGC Lab **Date: Feb. 01, 2024**
GPRS 850 Mid- Body- Back (2up)
DUT: 4G smart PAD, Tablet; Type: AGM_PAD_P2

Communication System: GPRS-2 Slot; Communication System Band: GSM 850; Duty Cycle: 1:4.2; Conv.F=2.02; Frequency: 836.6 MHz; Medium parameters used: f = 835 MHz; σ= 0.92 mho/m; εr = 41.39; ρ= 1000 kg/m^3 ; Phantom section: Flat Section

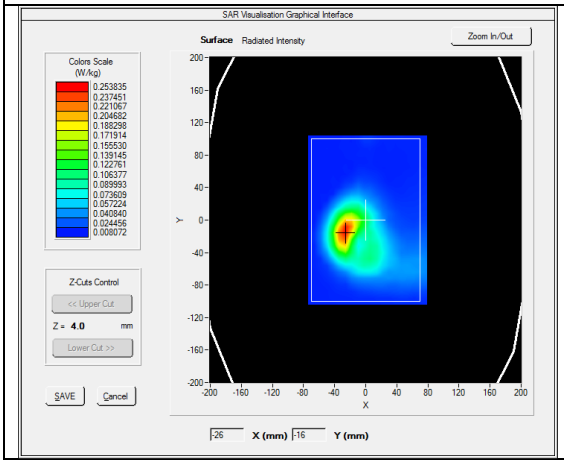
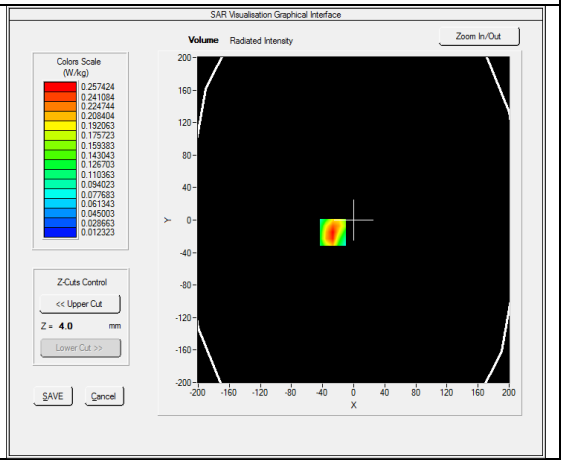
Ambient temperature (℃): 20.8, Liquid temperature (℃): 20.3

SATIMO Configuration:

- Probe: SSE2; Calibrated: May 31, 2023; Serial No.: 2023-EPGO-414
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: ELLI39 Phantom
- Measurement SW: OpenSAR V4_02_35

Configuration/GPRS 850 Mid-Body-Back/Area Scan: Measurement grid: dx=8mm, dy=8mm
Configuration/GPRS 850 Mid-Body-Back/Zoom Scan: Measurement grid: dx=8mm,dy=8mm, dz=5mm;

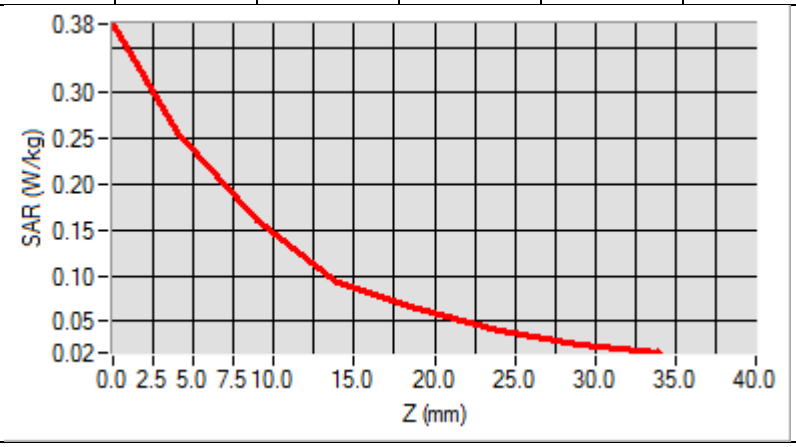
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete
Phantom	ELLI
Device Position	Body Back
Band	GSM 850
Channels	Middle
Signal	TDMA (Crest factor: 4.0)

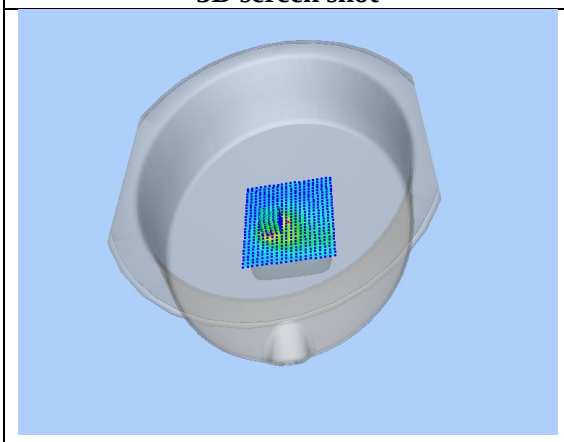
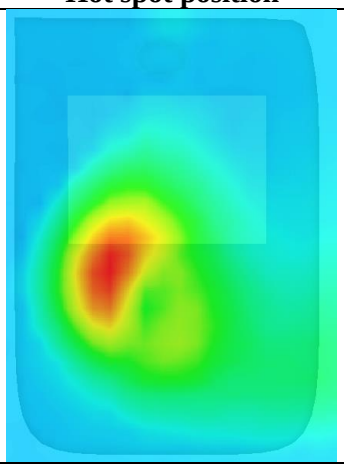
SURFACE SAR	VOLUME SAR
	

Maximum location: X=-27.00, Y=-15.00
SAR Peak: 0.39 W/kg

SAR 10g (W/Kg)	0.136962
SAR 1g (W/Kg)	0.242505

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.3758	0.2574	0.1611	0.0932	0.0641	0.0387	0.0246



3D screen shot	Hot spot position
	

Test Laboratory: AGC Lab **Date: Feb. 01, 2024**
GSM 850 Mid- Body- Front (MS)<SIM 1>
DUT: 4G smart PAD, Tablet; Type: AGM_PAD_P2W

Communication System: Generic GSM; Communication System Band: GSM 850; Duty Cycle: 1:8.3; Conv.F=2.02; Frequency: 836.6 MHz; Medium parameters used: f = 835 MHz; σ= 0.92 mho/m; εr = 41.39; ρ= 1000 kg/m^3 ; Phantom section: Flat Section

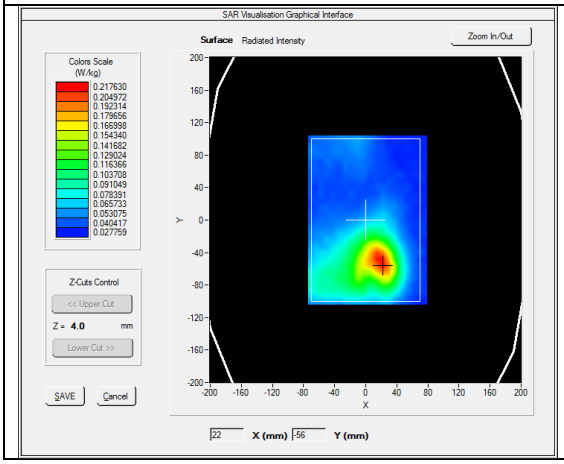
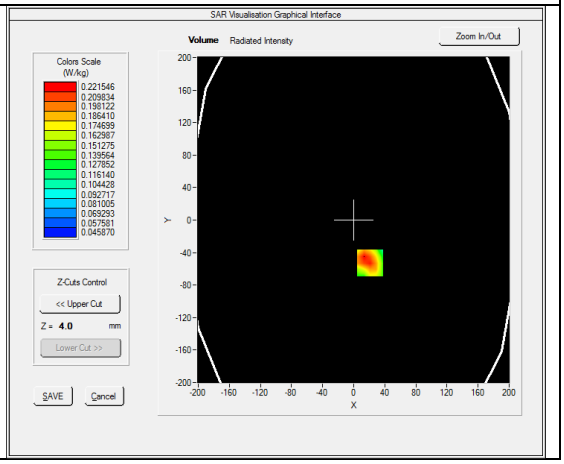
Ambient temperature (℃): 20.8, Liquid temperature (℃): 20.3

SATIMO Configuration:

- Probe: SSE2; Calibrated: May 31, 2023; Serial No.: 2023-EPGO-414
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: ELLI39 Phantom
- Measurement SW: OpenSAR V4_02_35

Configuration/GSM 850 Mid-Body-Front/Area Scan: Measurement grid: dx=8mm, dy=8mm
Configuration/GSM 850 Mid-Body-Front/Zoom Scan: Measurement grid: dx=8mm,dy=8mm, dz=5mm;

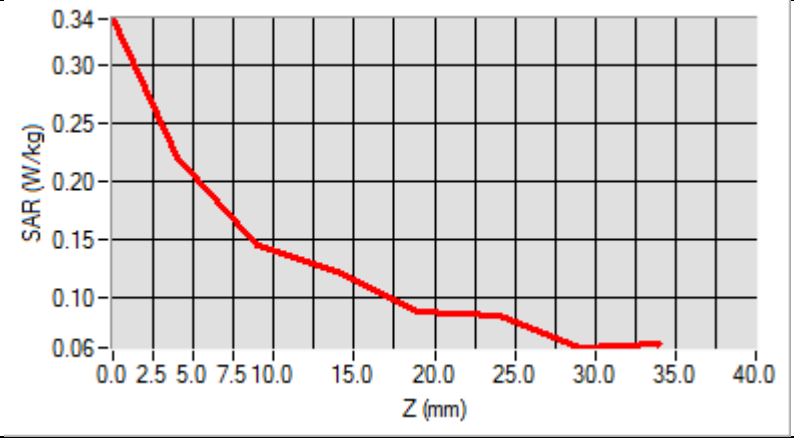
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete
Phantom	ELLI
Device Position	Body Front
Band	GSM 850
Channels	Middle
Signal	TDMA (Crest factor: 8.0)

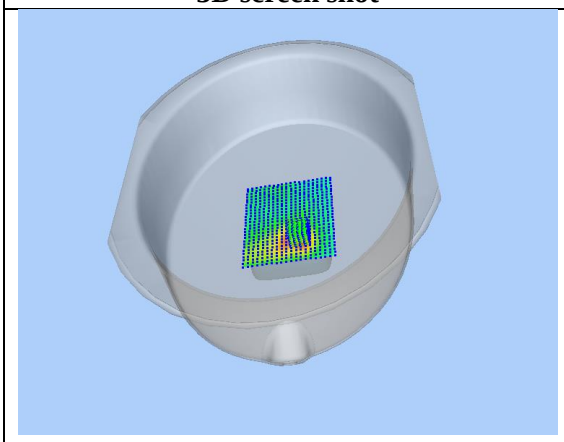
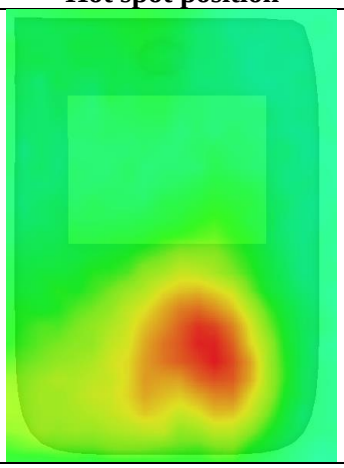
SURFACE SAR	VOLUME SAR
	

Maximum location: X=21.00, Y=-53.00
SAR Peak: 0.31 W/kg

SAR 10g (W/Kg)	0.151434
SAR 1g (W/Kg)	0.214724

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.3406	0.2215	0.1445	0.1215	0.0880	0.0834	0.0563



3D screen shot	Hot spot position
	

Test Laboratory: AGC Lab **Date: Feb. 01, 2024**
GPRS 850 Mid- Body- Front (2up)
DUT: 4G smart PAD, Tablet; Type: AGM_PAD_P2W

Communication System: GPRS-2 Slot; Communication System Band: GSM 850; Duty Cycle: 1:4.2; Conv.F=2.02; Frequency: 836.6 MHz; Medium parameters used: f = 835 MHz; σ= 0.92 mho/m; εr = 41.39; ρ= 1000 kg/m^3 ; Phantom section: Flat Section

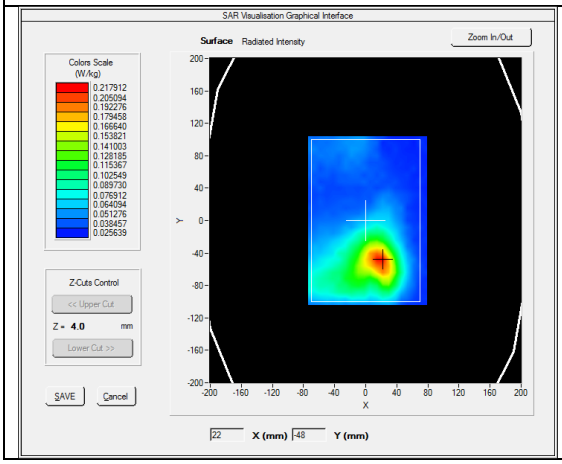
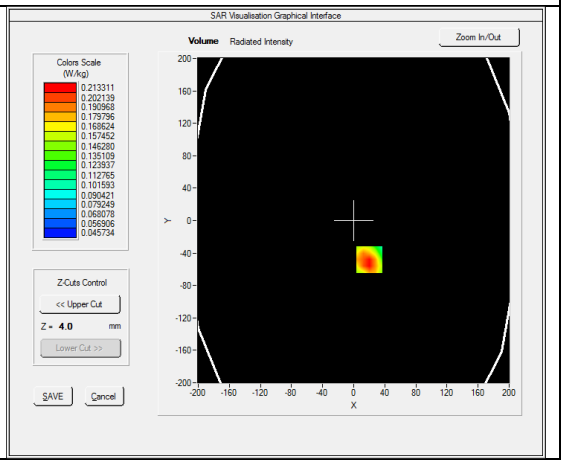
Ambient temperature (℃): 20.8, Liquid temperature (℃): 20.3

SATIMO Configuration:

- Probe: SSE2; Calibrated: May 31, 2023; Serial No.: 2023-EPGO-414
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: ELLI39 Phantom
- Measurement SW: OpenSAR V4_02_35

Configuration/GPRS 850 Mid-Body-Front/Area Scan: Measurement grid: dx=8mm, dy=8mm
Configuration/GPRS 850 Mid-Body-Front/Zoom Scan: Measurement grid: dx=8mm,dy=8mm, dz=5mm;

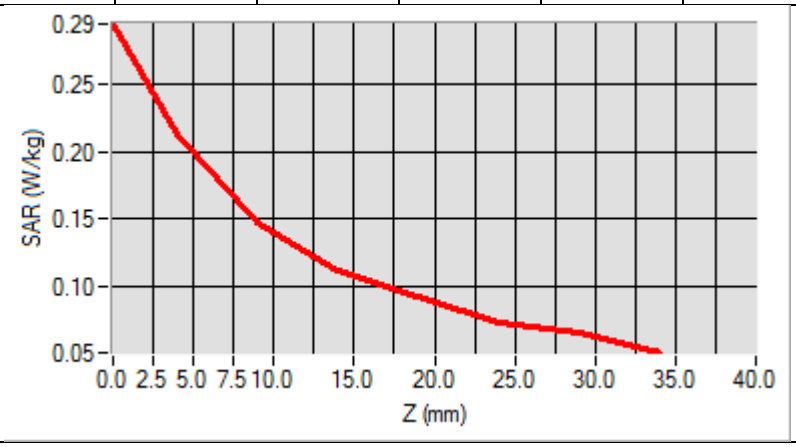
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete
Phantom	ELLI
Device Position	Body Front
Band	GSM 850
Channels	Middle
Signal	TDMA (Crest factor: 4.0)

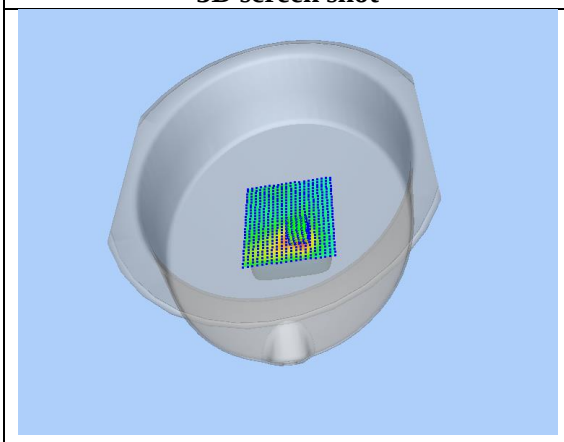
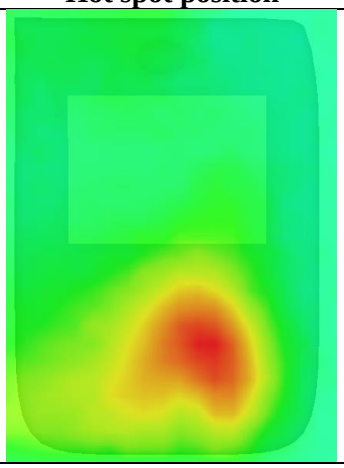
SURFACE SAR	VOLUME SAR
	

Maximum location: X=20.00, Y=-48.00
SAR Peak: 0.30 W/kg

SAR 10g (W/Kg)	0.146481
SAR 1g (W/Kg)	0.209302

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.2946	0.2133	0.1475	0.1117	0.0922	0.0735	0.0665



3D screen shot	Hot spot position
	

Test Laboratory: AGC Lab **Date: Mar. 01, 2024**
PCS 1900 Mid-Body-Back (MS)<SIM 1>
DUT: 4G smart PAD, Tablet; Type: AGM_PAD_P2

Communication System: Generic GSM; Communication System Band: PCS 1900; Duty Cycle: 1:8.3; Conv.F=2.15; Frequency: 1880 MHz; Medium parameters used: f = 1900 MHz; σ= 1.37 mho/m; εr =40.39; ρ= 1000 kg/m^3 ; Phantom section: Flat Section

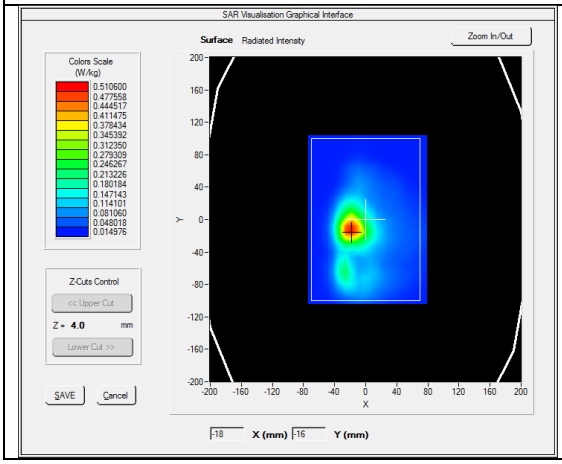
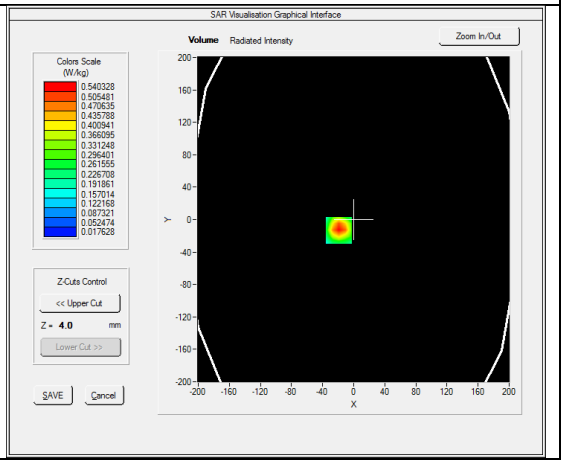
Ambient temperature (℃): 20.9, Liquid temperature (℃): 20.7

SATIMO Configuration:

- Probe: SSE2; Calibrated: May 31, 2023; Serial No.: 2023-EPGO-414
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: ELLI39 Phantom
- Measurement SW: OpenSAR V4_02_35

Configuration/PCS1900 Mid-Body-Back/Area Scan: Measurement grid: dx=8mm, dy=8mm
Configuration/PCS1900 Mid-Body-Back/Zoom Scan: Measurement grid: dx=8mm,dy=8mm, dz=5mm;

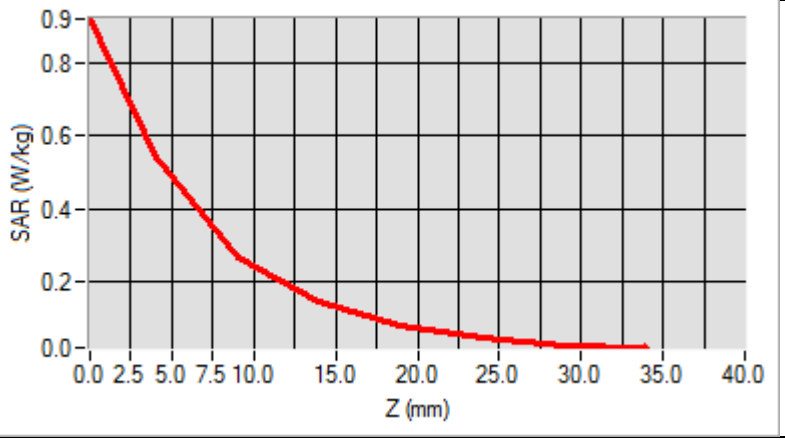
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete
Phantom	ELLI
Device Position	Body Back
Band	PCS 1900
Channels	Middle
Signal	TDMA (Crest factor: 8.0)

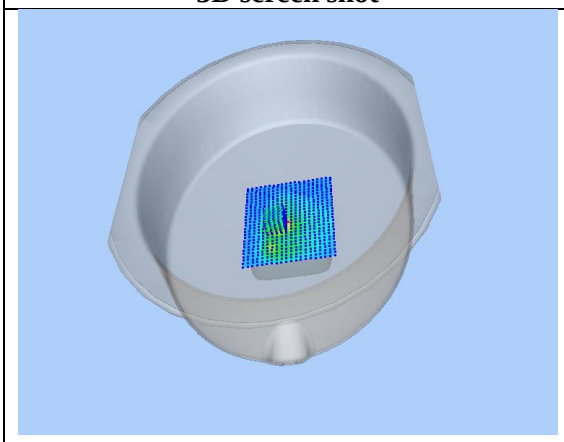
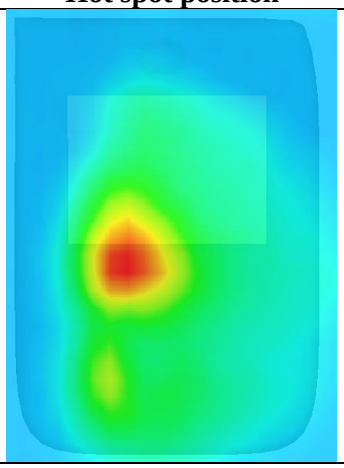
SURFACE SAR	**VOLUME SAR**
	

Maximum location: X=-19.00, Y=-13.00
SAR Peak: 0.92 W/kg

SAR 10g (W/Kg)	0.260634
SAR 1g (W/Kg)	0.519419

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.9191	0.5403	0.2673	0.1475	0.0791	0.0444	0.0244



3D screen shot	Hot spot position
	

Test Laboratory: AGC Lab **Date: Mar. 01, 2024**
GPRS 1900 Mid-Edge 2 (2up)
DUT: 4G smart PAD, Tablet; Type: AGM_PAD_P2

Communication System: GPRS-2Slot; Communication System Band: PCS 1900; Duty Cycle: 1:4.2; Conv.F=2.15; Frequency: 1880 MHz; Medium parameters used: f = 1900 MHz; σ= 1.37 mho/m; εr =40.39; ρ= 1000 kg/m^3 ; Phantom section: Flat Section

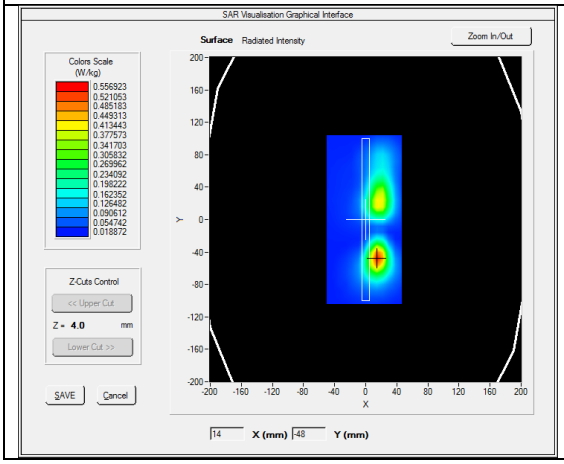
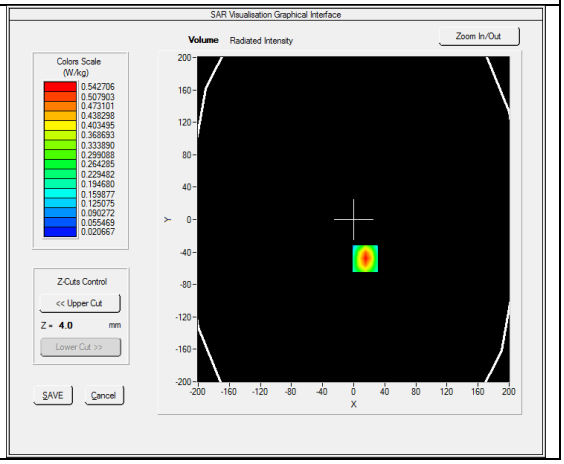
Ambient temperature (℃): 20.9, Liquid temperature (℃): 20.7

SATIMO Configuration:

- Probe: SSE2; Calibrated: May 31, 2023; Serial No.: 2023-EPGO-414
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: ELLI39 Phantom
- Measurement SW: OpenSAR V4_02_35

Configuration/GPRS1900 Mid-Edge 2/Area Scan: Measurement grid: dx=8mm, dy=8mm
Configuration/GPRS1900 Mid-Edge 2/Zoom Scan: Measurement grid: dx=8mm,dy=8mm, dz=5mm;

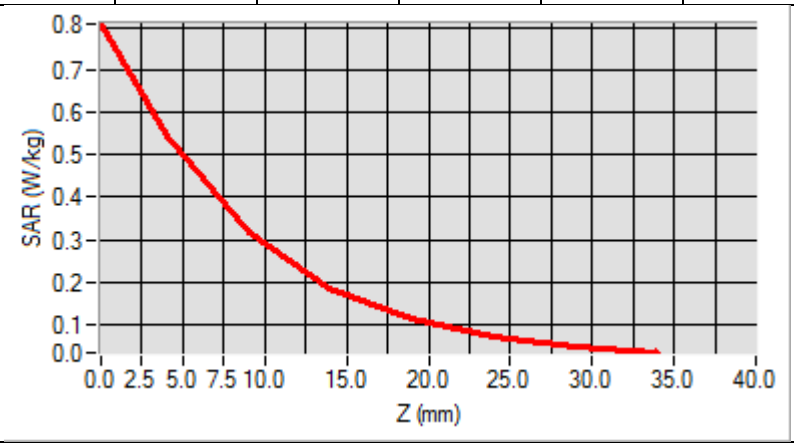
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete
Phantom	ELLI
Device Position	Edge 2
Band	PCS 1900
Channels	Middle
Signal	TDMA (Crest factor: 4.0)

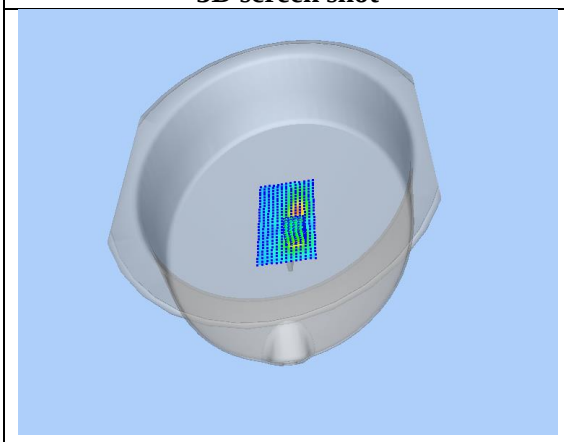
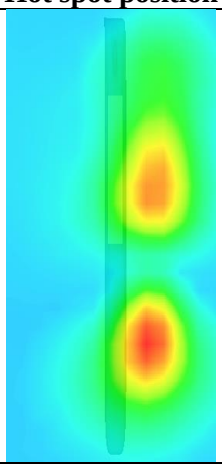
SURFACE SAR	VOLUME SAR
	

Maximum location: X=15.00, Y=-48.00
SAR Peak: 0.82 W/kg

SAR 10g (W/Kg)	0.267238
SAR 1g (W/Kg)	0.503488

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.8107	0.5427	0.3189	0.1846	0.1103	0.0675	0.0471



3D screen shot	Hot spot position
	

Test Laboratory: AGC Lab **Date: Mar. 01, 2024**
PCS 1900 Mid-Body-Back (MS)<SIM 1>
DUT: 4G smart PAD, Tablet; Type: AGM_PAD_P2W

Communication System: Generic GSM; Communication System Band: PCS 1900; Duty Cycle: 1:8.3; Conv.F=2.15; Frequency: 1880 MHz; Medium parameters used: f = 1900 MHz; σ= 1.37 mho/m; εr =40.39; ρ= 1000 kg/m^3 ; Phantom section: Flat Section

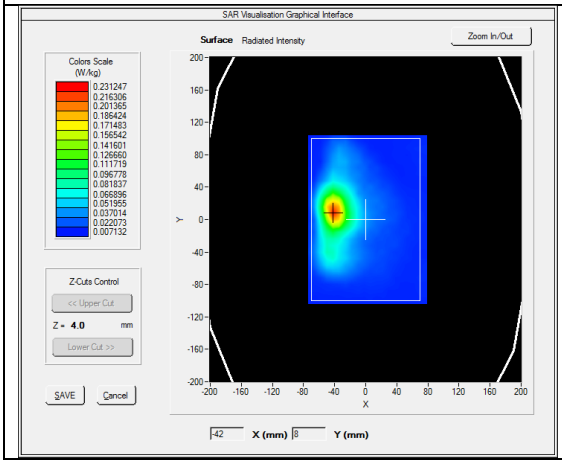
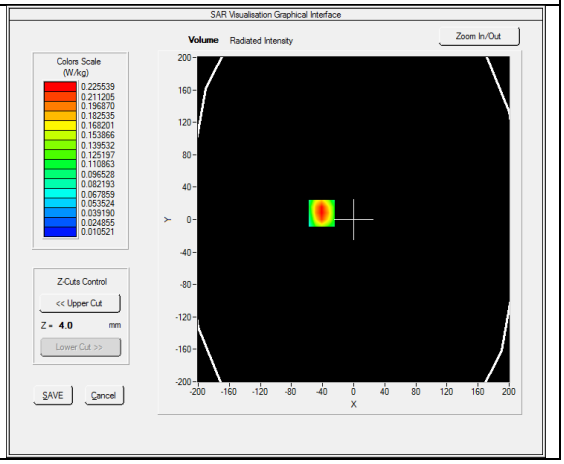
Ambient temperature (℃): 20.9, Liquid temperature (℃): 20.7

SATIMO Configuration:

- Probe: SSE2; Calibrated: May 31, 2023; Serial No.: 2023-EPGO-414
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: ELLI39 Phantom
- Measurement SW: OpenSAR V4_02_35

Configuration/PCS1900 Mid-Body-Back/Area Scan: Measurement grid: dx=8mm, dy=8mm
Configuration/PCS1900 Mid-Body-Back/Zoom Scan: Measurement grid: dx=8mm,dy=8mm, dz=5mm;

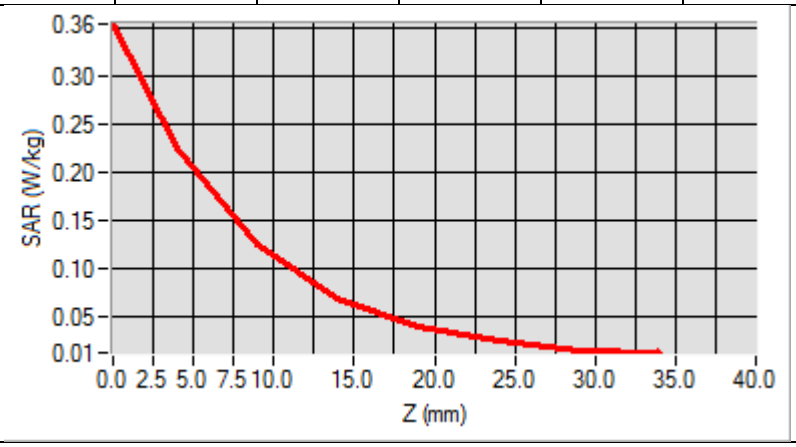
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete
Phantom	ELLI
Device Position	Body Back
Band	PCS 1900
Channels	Middle
Signal	TDMA (Crest factor: 8.0)

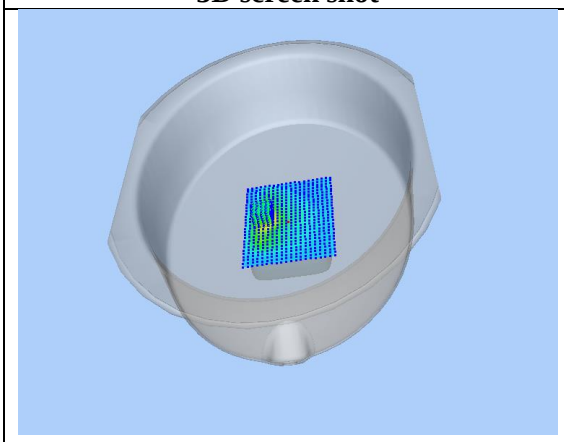
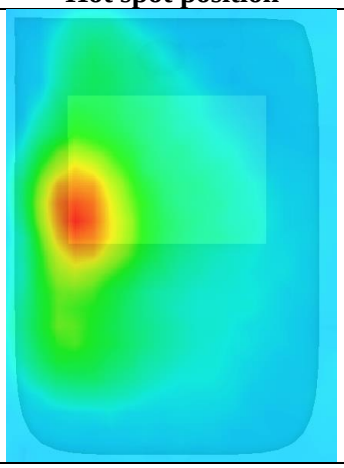
SURFACE SAR	VOLUME SAR
	

Maximum location: X=-41.00, Y=8.00
SAR Peak: 0.38 W/kg

SAR 10g (W/Kg)	0.114576
SAR 1g (W/Kg)	0.216547

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.3551	0.2255	0.1262	0.0690	0.0404	0.0249	0.0139



3D screen shot	Hot spot position
	

Test Laboratory: AGC Lab **Date: Mar. 01, 2024**
GPRS 1900 Mid-Body-Back (2up)
DUT: 4G smart PAD, Tablet; Type: AGM_PAD_P2W

Communication System: GPRS-2Slot; Communication System Band: PCS 1900; Duty Cycle: 1:4.2; Conv.F=2.15; Frequency: 1880 MHz; Medium parameters used: f = 1900 MHz; σ= 1.37 mho/m; εr =40.39; ρ= 1000 kg/m^3 ; Phantom section: Flat Section

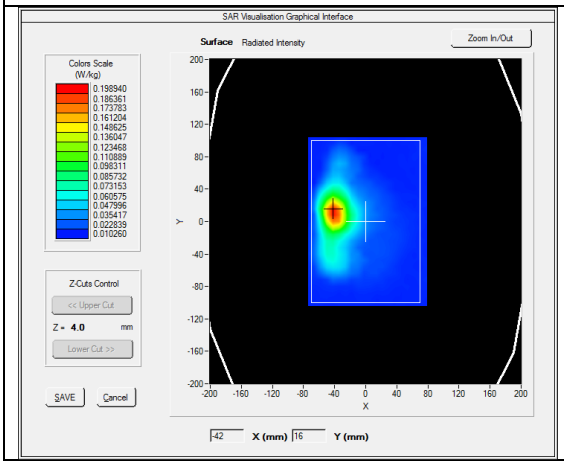
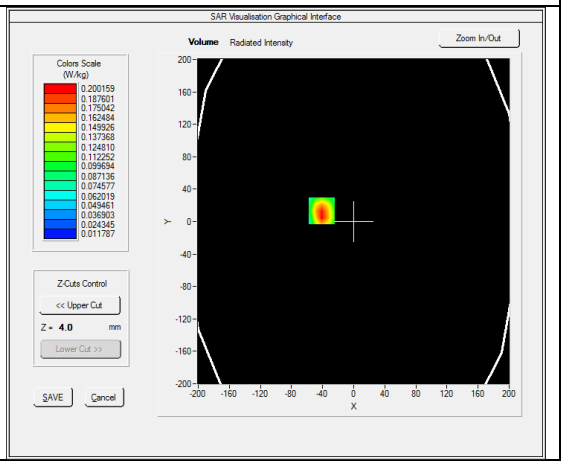
Ambient temperature (℃): 20.9, Liquid temperature (℃): 20.7

SATIMO Configuration:

- Probe: SSE2; Calibrated: May 31, 2023; Serial No.: 2023-EPGO-414
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: ELLI39 Phantom
- Measurement SW: OpenSAR V4_02_35

Configuration/GPRS1900 Mid-Body-Back/Area Scan: Measurement grid: dx=8mm, dy=8mm
Configuration/GPRS1900 Mid-Body-Back/Zoom Scan: Measurement grid: dx=8mm,dy=8mm, dz=5mm;

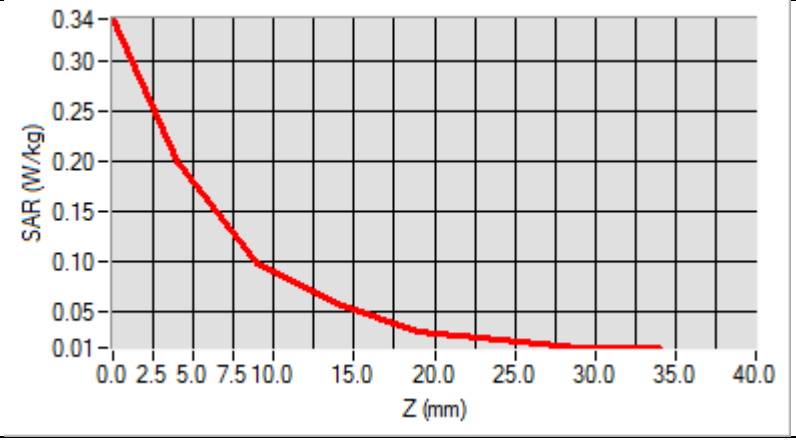
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete
Phantom	ELLI
Device Position	Body-Back
Band	PCS 1900
Channels	Middle
Signal	TDMA (Crest factor: 4.0)

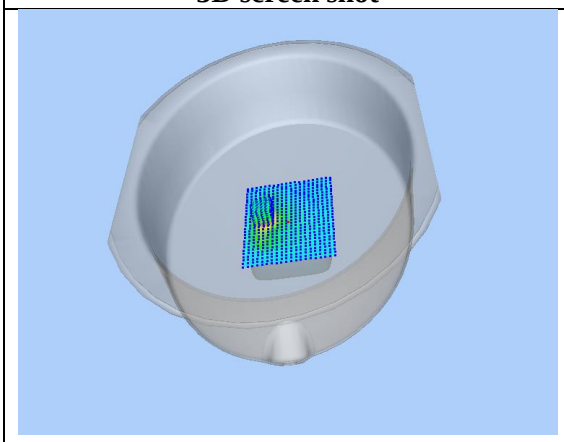
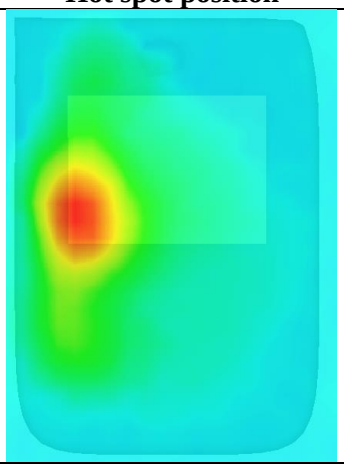
SURFACE SAR	VOLUME SAR
	

Maximum location: X=-41.00, Y=13.00
SAR Peak: 0.34 W/kg

SAR 10g (W/Kg)	0.102423
SAR 1g (W/Kg)	0.195355

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.3421	0.2002	0.0982	0.0582	0.0299	0.0216	0.0136



3D screen shot	Hot spot position
	

Test Laboratory: AGC Lab **Date: Mar. 01, 2024**
WCDMA Band II High-Edge 2(RMC)
DUT: 4G smart PAD, Tablet; Type: AGM_PAD_P2

Communication System: UMTS; Communication System Band: Band II UTRA/FDD ;Duty Cycle:1:1; Conv.F=2.15
Frequency: 1907.6 MHz; Medium parameters used: f = 1900 MHz; σ=1.43 mho/m; εr =38.41; ρ= 1000 kg/m^3 ;
Phantom section: Flat Section

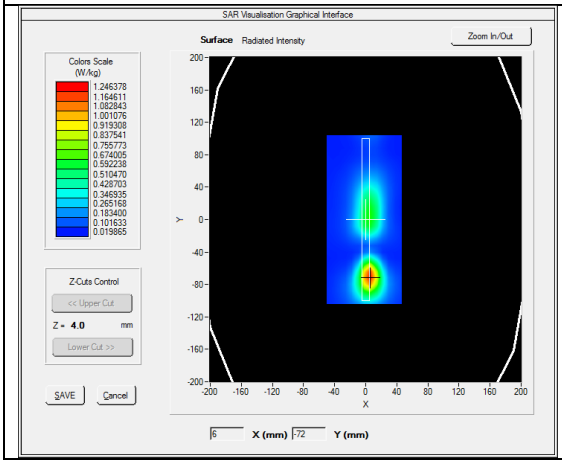
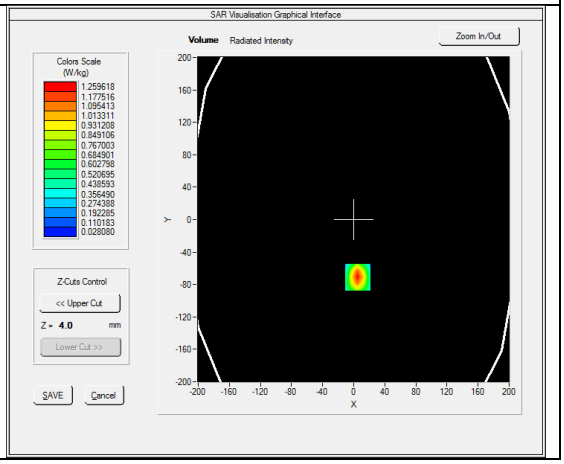
Ambient temperature (℃): 20.9, Liquid temperature (℃): 20.7

SATIMO Configuration:

- Probe: SSE2; Calibrated: May 31, 2023; Serial No.: 2023-EPGO-414
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: ELLI39 Phantom
- Measurement SW: OpenSAR V4_02_35

Configuration/ WCDMA band II High -Edge 2/Area Scan: Measurement grid: dx=8mm, dy=8mm
Configuration/ WCDMA band II High -Edge 2/Zoom Scan: Measurement grid: dx=8mm,dy=8mm, dz=5mm;

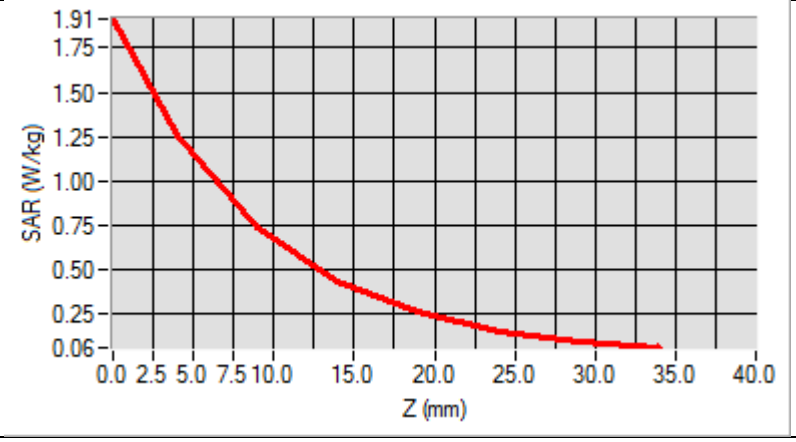
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete
Phantom	ELLI
Device Position	Edge 2
Band	WCDMA band II
Channels	High
Signal	CDMA (Crest factor: 1.0)

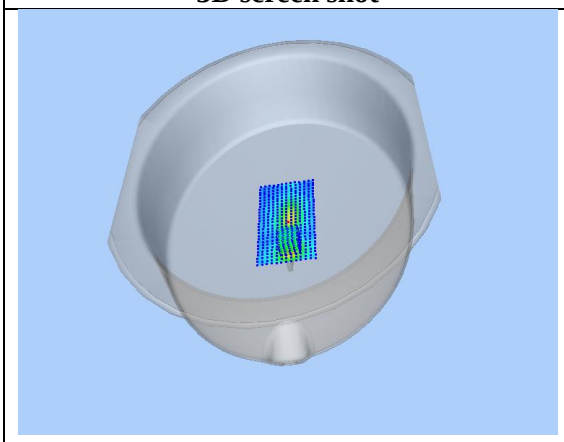
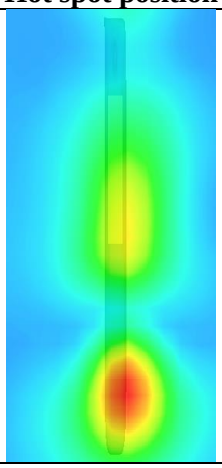
SURFACE SAR	VOLUME SAR
	

Maximum location: X=5.00, Y=-71.00
SAR Peak: 1.90 W/kg

SAR 10g (W/Kg)	0.616063
SAR 1g (W/Kg)	1.170887

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	1.9120	1.2596	0.7358	0.4360	0.2609	0.1535	0.0933



3D screen shot	Hot spot position
	

Test Laboratory: AGC Lab **Date: Mar. 01, 2024**
WCDMA Band II Mid-Body-Back (RMC)
DUT: 4G smart PAD, Tablet; Type: AGM_PAD_P2W

Communication System: UMTS; Communication System Band: Band II UTRA/FDD ;Duty Cycle:1:1; Conv.F=2.15
Frequency: 1880 MHz; Medium parameters used: f = 1900 MHz; σ=1.37 mho/m; ε_r =40.39; ρ= 1000 kg/m^3 ;
Phantom section: Flat Section

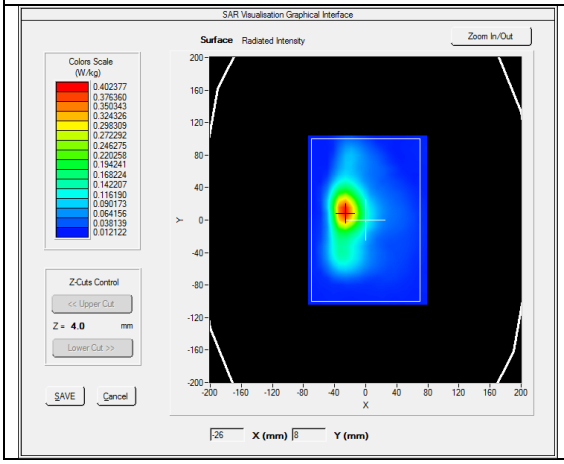
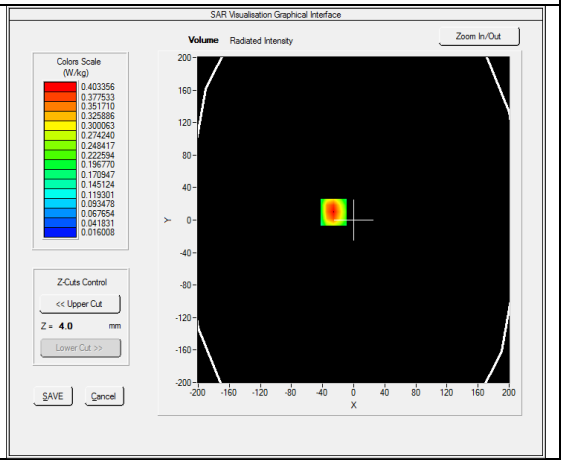
Ambient temperature (℃): 20.9, Liquid temperature (℃): 20.7

SATIMO Configuration:

- Probe: SSE2; Calibrated: May 31, 2023; Serial No.: 2023-EPGO-414
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: ELLI39 Phantom
- Measurement SW: OpenSAR V4_02_35

Configuration/ WCDMA band II Mid-Body-Back/Area Scan: Measurement grid: dx=8mm, dy=8mm
Configuration/ WCDMA band II Mid-Body-Back/Zoom Scan: Measurement grid: dx=8mm,dy=8mm, dz=5mm;

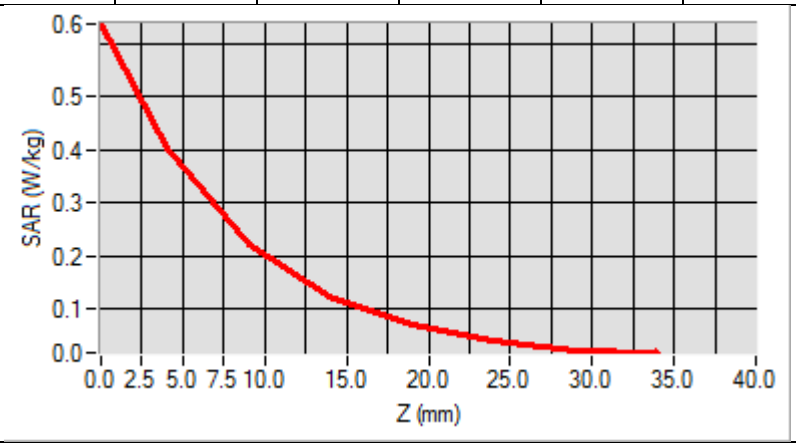
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete
Phantom	ELLI
Device Position	Body Back
Band	WCDMA band II
Channels	Middle
Signal	CDMA (Crest factor: 1.0)

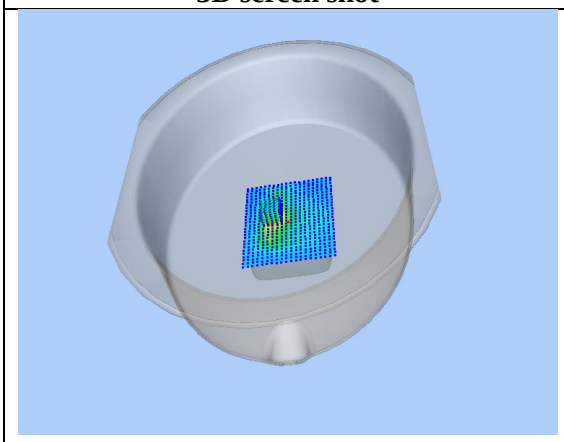
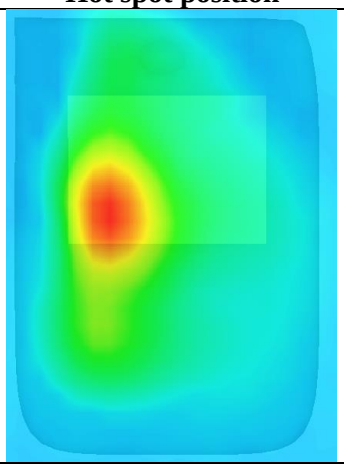
SURFACE SAR	VOLUME SAR
	

Maximum location: X=-26.00, Y=10.00
SAR Peak: 0.65 W/kg

SAR 10g (W/Kg)	0.208353
SAR 1g (W/Kg)	0.387679

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.6366	0.4034	0.2227	0.1231	0.0700	0.0407	0.0237



3D screen shot	Hot spot position
	

Test Laboratory: AGC Lab **Date: Mar. 02, 2024**
WCDMA Band IV High -Body-Towards Grounds (RMC)
DUT: 4G smart PAD, Tablet; Type: AGM_PAD_P2

Communication System: UMTS; Communication System Band: BAND IV UTRA/FDD; Duty Cycle:1: 1; Conv.F=2.17; Frequency: 1752.6 MHz; Medium parameters used: f = 1750 MHz; σ=1.36mho/m; εr =40.39; ρ= 1000 kg/m^3; Phantom section: Flat Section

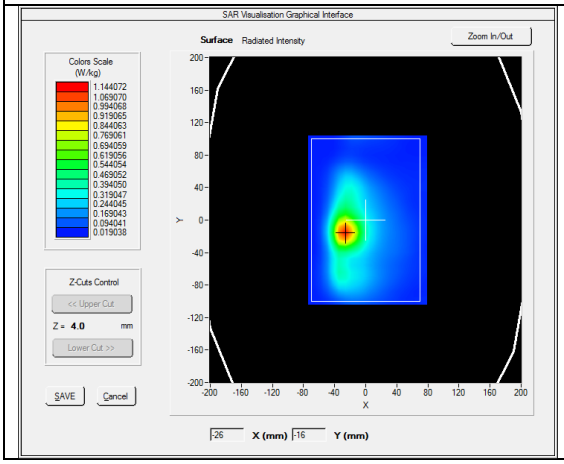
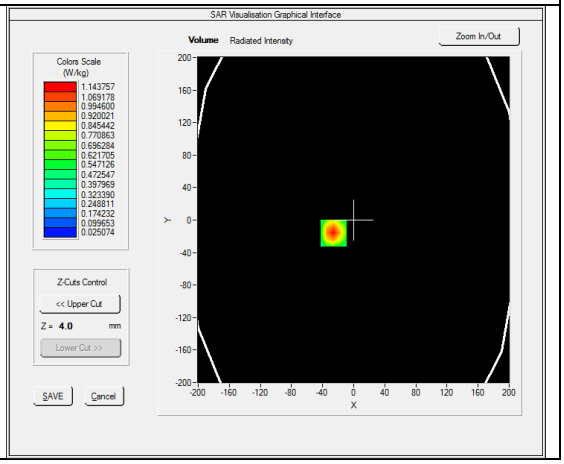
Ambient temperature (℃): 21.1, Liquid temperature (℃): 20.9

SATIMO Configuration:

- Probe: SSE2; Calibrated: May 31, 2023; Serial No.: 2023-EPGO-414
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: ELLI39 Phantom
- Measurement SW: OpenSAR V4_02_35

Configuration/ WCDMA Band IV High -Body-Back/Area Scan: Measurement grid: dx=8mm, dy=8mm
Configuration/ WCDMA Band IV High -Body-Back/Zoom Scan: Measurement grid: dx=8mm,dy=8mm, dz=5mm;

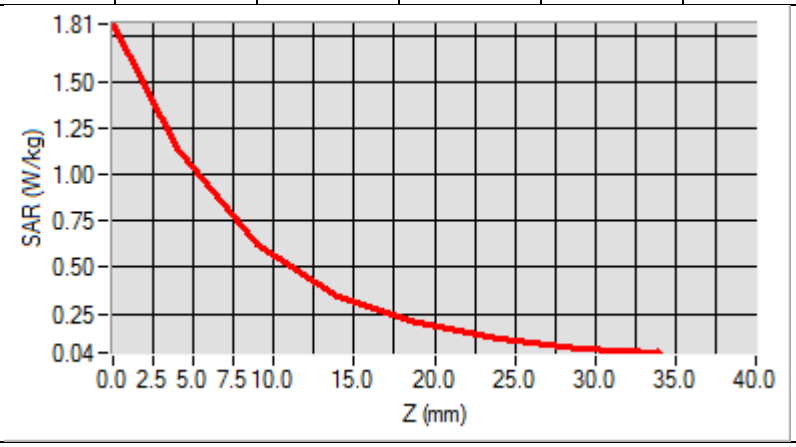
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete
Phantom	ELLI
Device Position	Body Back
Band	WCDMA Band IV
Channels	High
Signal	CDMA (Crest factor: 1.0)

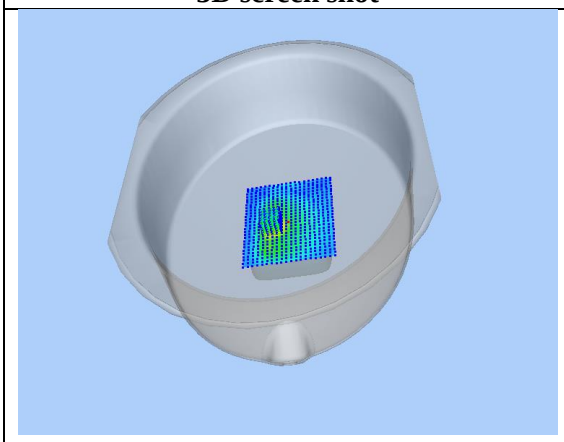
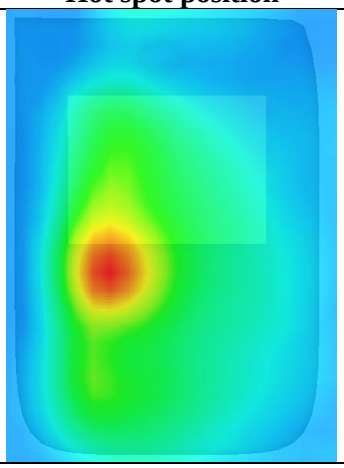
SURFACE SAR	VOLUME SAR
	

Maximum location: X=-26.00, Y=-16.00
SAR Peak: 1.81 W/kg

SAR 10g (W/Kg)	0.577394
SAR 1g (W/Kg)	1.084037

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	1.8109	1.1438	0.6268	0.3468	0.1974	0.1136	0.0657



3D screen shot	Hot spot position
	

Test Laboratory: AGC Lab **Date: Mar. 02, 2024**
WCDMA Band IV Mid -Body-Towards Grounds (RMC)
DUT: 4G smart PAD, Tablet; Type: AGM_PAD_P2W

Communication System: UMTS; Communication System Band: BAND IV UTRA/FDD; Duty Cycle:1: 1; Conv.F=2.17; Frequency: 1732.4 MHz; Medium parameters used: f = 1750 MHz; σ=1.32mho/m; εr =42.66; ρ= 1000 kg/m^3; Phantom section: Flat Section

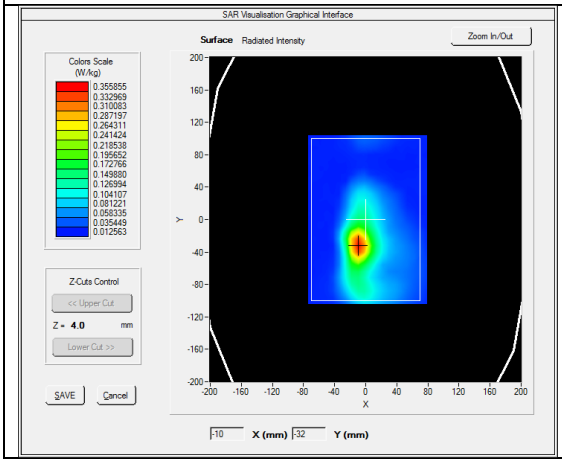
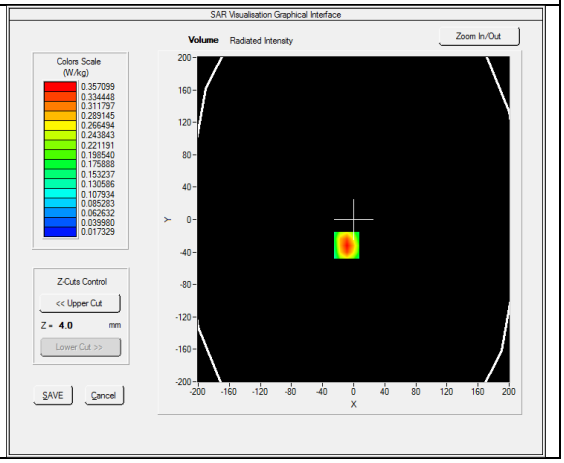
Ambient temperature (℃): 21.1, Liquid temperature (℃): 20.9

SATIMO Configuration:

- Probe: SSE2; Calibrated: May 31, 2023; Serial No.: 2023-EPGO-414
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: ELLI39 Phantom
- Measurement SW: OpenSAR V4_02_35

Configuration/ WCDMA Band IV Mid -Body-Back/Area Scan: Measurement grid: dx=8mm, dy=8mm
Configuration/ WCDMA Band IV Mid -Body-Back/Zoom Scan: Measurement grid: dx=8mm,dy=8mm, dz=5mm;

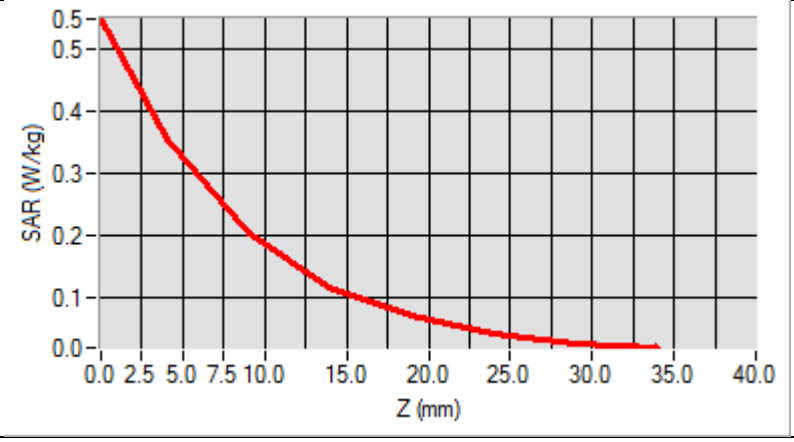
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete
Phantom	ELLI
Device Position	Body Back
Band	WCDMA Band IV
Channels	Middle
Signal	CDMA (Crest factor: 1.0)

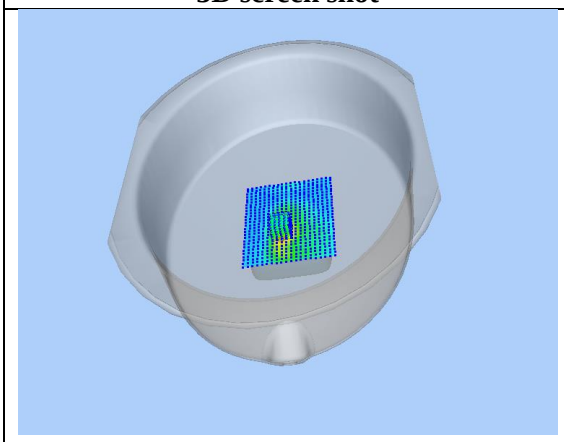
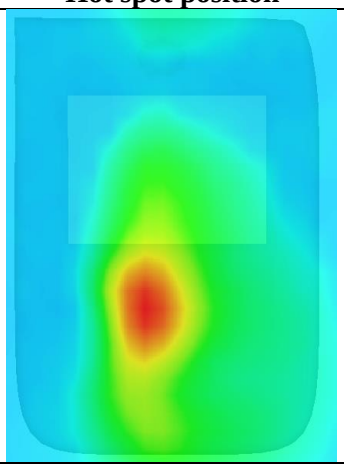
SURFACE SAR	VOLUME SAR
	

Maximum location: X=-9.00, Y=-32.00
SAR Peak: 0.55 W/kg

SAR 10g (W/Kg)	0.185804
SAR 1g (W/Kg)	0.344283

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.5473	0.3548	0.2063	0.1180	0.0732	0.0452	0.0261



3D screen shot	Hot spot position
	

Test Laboratory: AGC Lab **Date: Feb. 01, 2024**

WCDMA Band Ⅴ Mid- Edge 2(Right) (RMC)

DUT: 4G smart PAD, Tablet; Type: AGM_PAD_P2

Communication System: UMTS; Communication System Band: BAND V UTRA/FDD; Duty Cycle:1: 1; Conv.F=2.02; Frequency: 836.4 MHz; Medium parameters used: f = 835MHz; σ= 0.92 mho/m; εr = 41.39; ρ= 1000 kg/m³ ; Phantom section: Flat Section

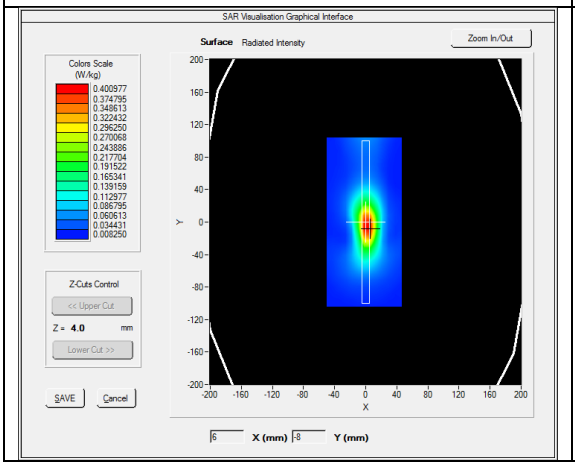
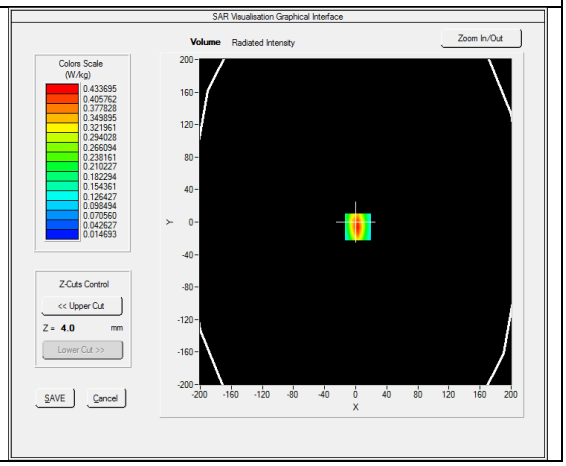
Ambient temperature (℃): 20.8, Liquid temperature (℃): 20.3

SATIMO Configuration:

- Probe: SSE2; Calibrated: May 31, 2023; Serial No.: 2023-EPGO-414
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: ELLI39 Phantom
- Measurement SW: OpenSAR V4_02_35

Configuration/ WCDMA Band V Mid- Edge 2(Right)/Area Scan: Measurement grid: dx=8mm, dy=8mm
Configuration/ WCDMA Band V Mid- Edge 2(Right)/Zoom Scan: Measurement grid: dx=8mm,dy=8mm, dz=5mm;

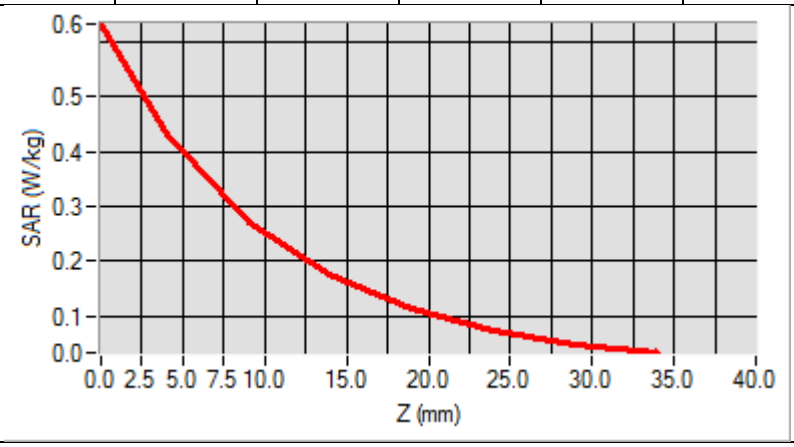
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete
Phantom	ELLI
Device Position	Edge 2(Right)
Band	WCDMA Band V
Channels	Middle
Signal	CDMA (Crest factor: 1.0)

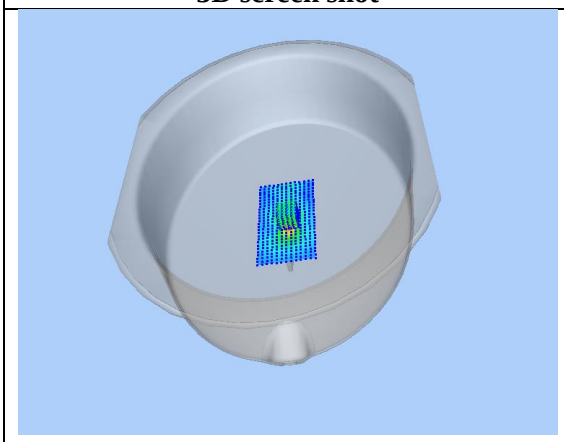
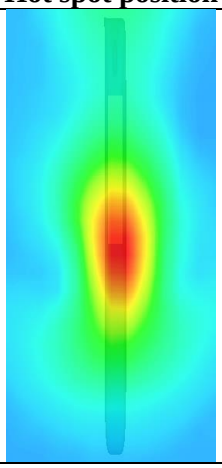
SURFACE SAR	VOLUME SAR
	

Maximum location: X=3.00, Y=-6.00
SAR Peak: 0.63 W/kg

SAR 10g (W/Kg)	0.232887
SAR 1g (W/Kg)	0.406002

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.6330	0.4337	0.2712	0.1755	0.1150	0.0752	0.0491



3D screen shot	Hot spot position
	

Test Laboratory: AGC Lab **Date: Feb. 01, 2024**

WCDMA Band Ⅴ Mid- Body-Front (RMC)

DUT: 4G smart PAD, Tablet; Type: AGM_PAD_P2W

Communication System: UMTS; Communication System Band: BAND V UTRA/FDD; Duty Cycle:1: 1; Conv.F=2.02; Frequency: 836.4 MHz; Medium parameters used: f = 835MHz; σ= 0.92 mho/m; εr = 41.39; ρ= 1000 kg/m^3 ; Phantom section: Flat Section

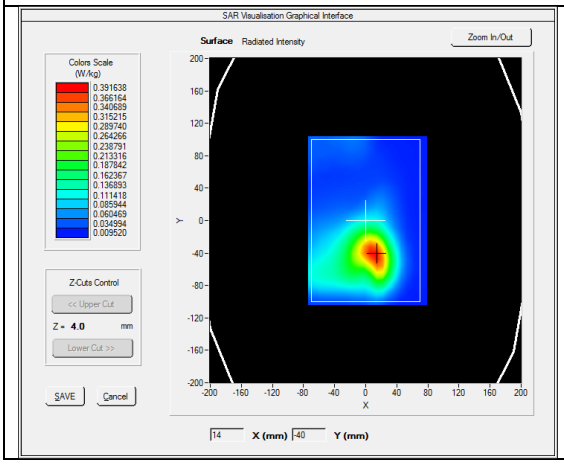
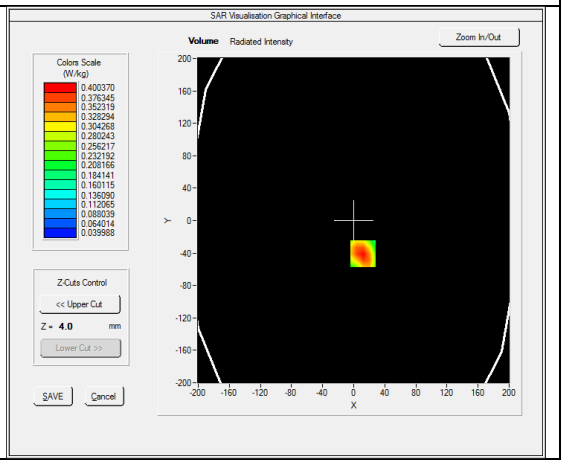
Ambient temperature (℃): 20.8, Liquid temperature (℃): 20.3

SATIMO Configuration:

- Probe: SSE2; Calibrated: May 31, 2023; Serial No.: 2023-EPGO-414
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: ELLI39 Phantom
- Measurement SW: OpenSAR V4_02_35

Configuration/ WCDMA Band V Mid- Body-Front/Area Scan: Measurement grid: dx=8mm, dy=8mm
Configuration/ WCDMA Band V Mid- Body-Front/Zoom Scan: Measurement grid: dx=8mm,dy=8mm, dz=5mm;

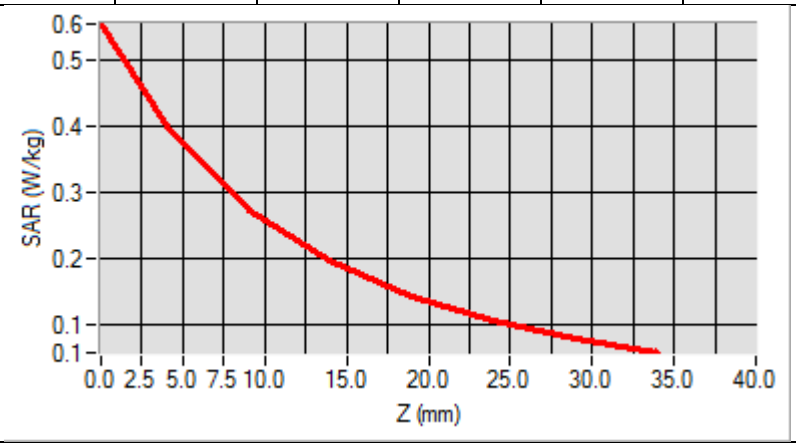
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete
Phantom	ELLI
Device Position	Body Front
Band	WCDMA Band V
Channels	Middle
Signal	CDMA (Crest factor: 1.0)

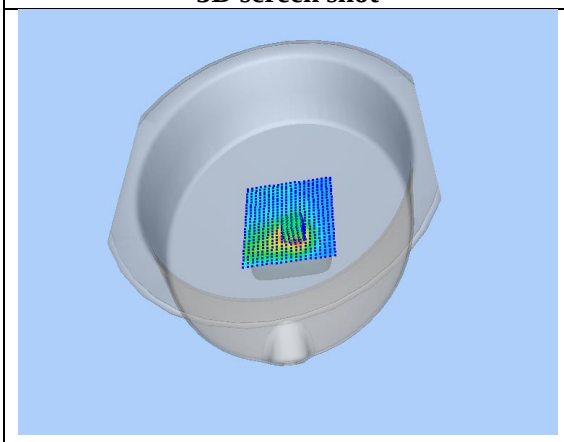
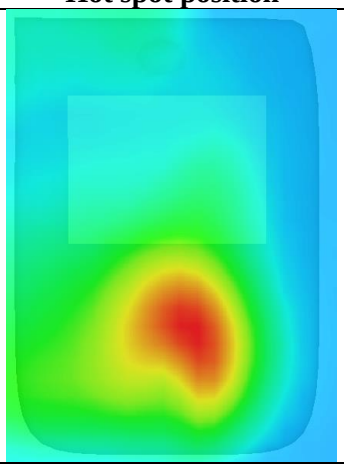
SURFACE SAR	VOLUME SAR
	

Maximum location: X=12.00, Y=-41.00
SAR Peak: 0.55 W/kg

SAR 10g (W/Kg)	0.256752
SAR 1g (W/Kg)	0.384986

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.5560	0.4004	0.2725	0.1965	0.1437	0.1060	0.0779



3D screen shot	Hot spot position
	

Test Laboratory: AGC Lab **Date: Mar. 01, 2024**
LTE Band 2 Mid- Edge 2(Right) (1 RB#0)
DUT: 4G smart PAD, Tablet; Type: AGM_PAD_P2

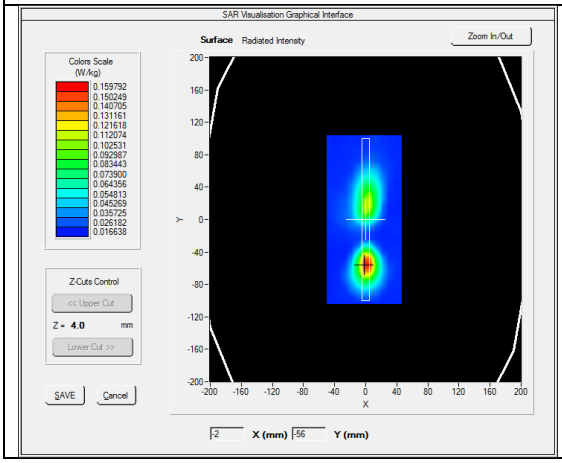
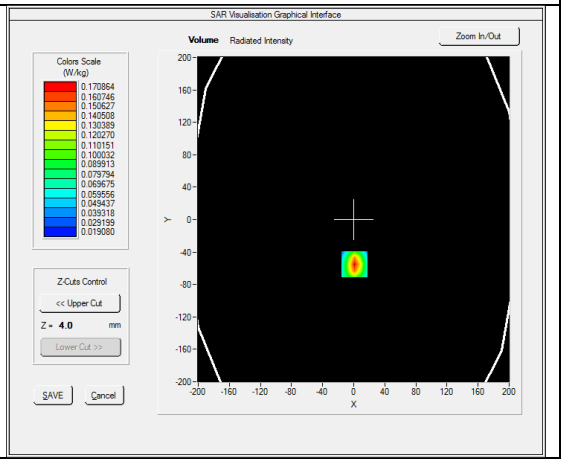
Communication System: LTE; Communication System Band: LTE Band 2; Duty Cycle:1:1; Conv.F=2.15; Frequency:1880MHz; Medium parameters used: f = 1900 MHz; σ= 1.37 mho/m; εr =40.39; ρ= 1000 kg/m^3 ; Phantom section: Flat Section
Ambient temperature (℃): 20.9, Liquid temperature (℃): 20.7

SATIMO Configuration:

- Probe: SSE2; Calibrated: May 31, 2023; Serial No.: 2023-EPGO-414
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: ELLI39 Phantom
- Measurement SW: OpenSAR V4_02_35

Configuration/ LTE Band 2 Mid- Edge 2(Right)/Area Scan: Measurement grid: dx=8mm, dy=8mm
Configuration/ LTE Band 2 Mid- Edge 2(Right)/Zoom Scan: Measurement grid: dx=8mm,dy=8mm, dz=5m;

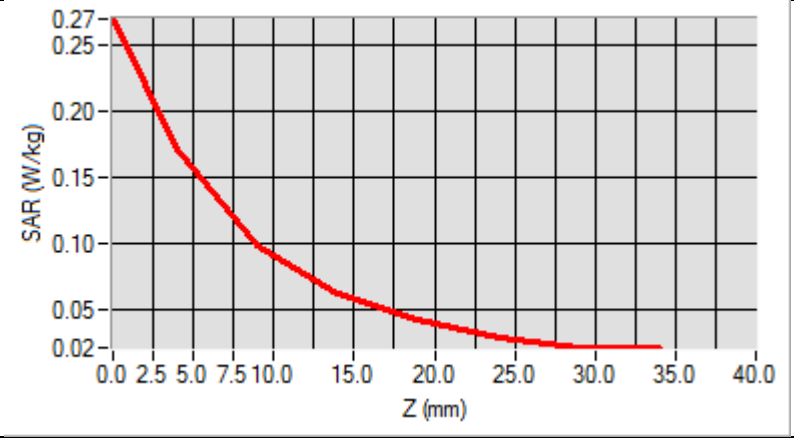
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	ELLI
Device Position	Edge 2(Right)
Band	LTE Band 2
Channels	Middle
Signal	OFDM (Crest factor: 1.0)

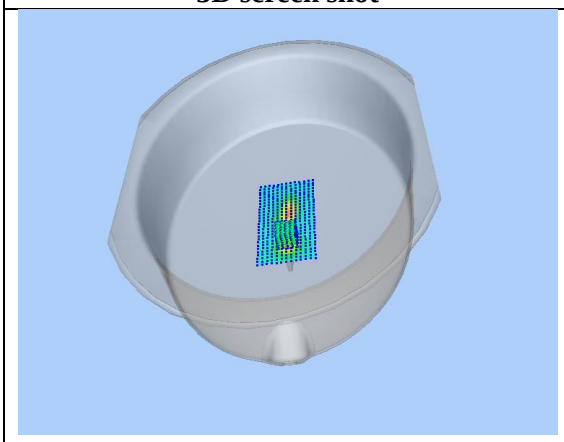
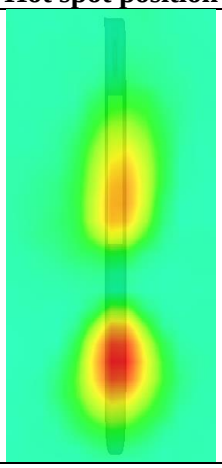
SURFACE SAR	VOLUME SAR
	

Maximum location: X=1.00, Y=-55.00
SAR Peak: 0.27 W/kg

SAR 10g (W/Kg)	0.086504
SAR 1g (W/Kg)	0.160646

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.2692	0.1709	0.0985	0.0628	0.0420	0.0297	0.0221



3D screen shot	Hot spot position
	

Test Laboratory: AGC Lab **Date: Mar. 01, 2024**
LTE Band 2 Mid- Body-Back (1 RB#0)
DUT: 4G smart PAD, Tablet; Type: AGM_PAD_P2W

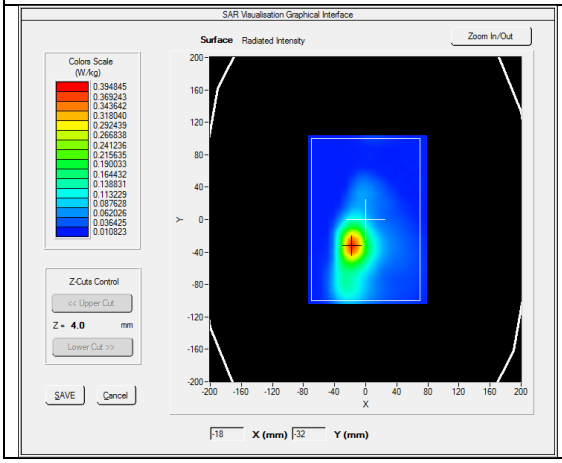
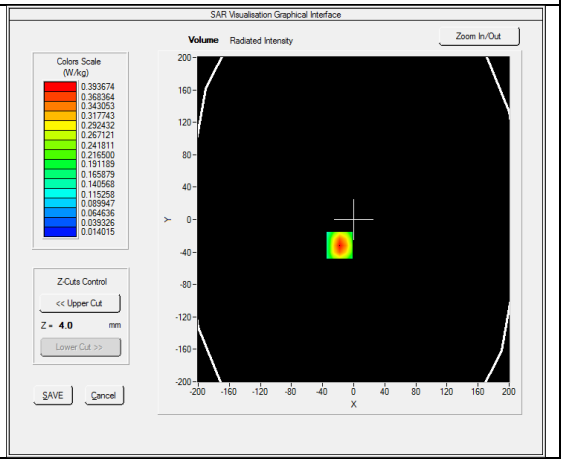
Communication System: LTE; Communication System Band: LTE Band 2; Duty Cycle:1:1; Conv.F=2.15; Frequency:1880MHz; Medium parameters used: f = 1900 MHz; σ= 1.37 mho/m; εr =40.39; ρ= 1000 kg/m^3 ; Phantom section: Flat Section
Ambient temperature (℃): 20.9, Liquid temperature (℃): 20.7

SATIMO Configuration:

- Probe: SSE2; Calibrated: May 31, 2023; Serial No.: 2023-EPGO-414
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: ELLI39 Phantom
- Measurement SW: OpenSAR V4_02_35

Configuration/ LTE Band 2 Mid- Body-Back/Area Scan: Measurement grid: dx=8mm, dy=8mm
Configuration/ LTE Band 2 Mid- Body-Back/Zoom Scan: Measurement grid: dx=8mm,dy=8mm, dz=5m;

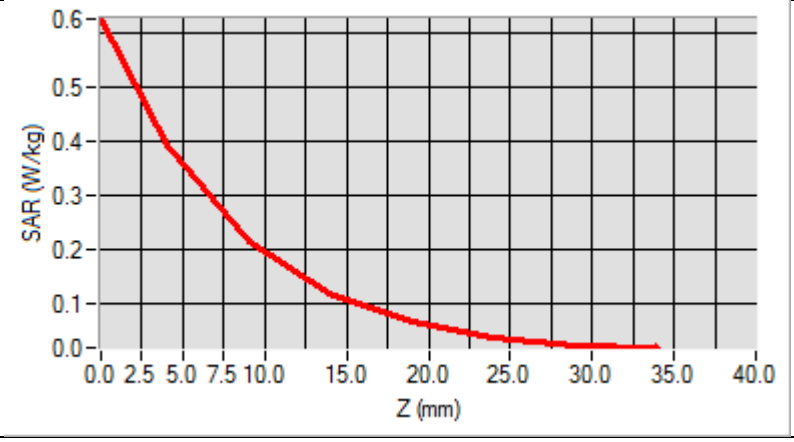
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	ELLI
Device Position	Body Back
Band	LTE Band 2
Channels	Middle
Signal	OFDM (Crest factor: 1.0)

SURFACE SAR	VOLUME SAR
	

Maximum location: X=-18.00, Y=-32.00
SAR Peak: 0.62 W/kg

SAR 10g (W/Kg)	0.198858
SAR 1g (W/Kg)	0.372340

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.6272	0.3937	0.2144	0.1189	0.0671	0.0375	0.0220



3D screen shot	Hot spot position