SAR Test Report

Report No.: AGC00408211202FH01

FCC ID	:	2A3DR-H5
APPLICATION PURPOSE	:	Original Equipment
PRODUCT DESIGNATION	:	4G Smart Phone
BRAND NAME	:	AGM
MODEL NAME	:	AGM H5, H5, AGM H5 PRO, AGM H5 SE
APPLICANT	:	AGM Mobile Limited
DATE OF ISSUE	:	Jan. 24, 2022
STANDARD(S)	:	IEEE Std. 1528:2013 FCC 47 CFR Part 2§2.1093 IEEE Std C95.1 ™-2005 IEC 62209-1: 2016
REPORT VERSION	:	V1.0

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

Report Revise Record

Report Version	Revise Time	Issued Date	Valid Version	Notes
V1.0	/	Jan. 24, 2022	Valid	Initial Release

Test Report

Applicant Name	AGM Mobile Limited
Applicant Address	FLAT B5, 1/F MANNING IND. BUILDING, 116-118 HOW MING STREET, KWUN TONG, KOWLOON, HONG KONG
Manufacturer Name	Shenzhen AIJIEMO Technology Company Limited
Manufacturer Address	1st Floor 101 and 2nd Floor 201, Building A2, Huafeng Century Technology Park, Nanchang Community, Xixiang, Baoan District, Shenzhen,China
Factory Name	Shenzhen AIJIEMO Technology Company Limited
Factory Address	1st Floor 101 and 2nd Floor 201, Building A2, Huafeng Century Technology Park, Nanchang Community, Xixiang, Baoan District, Shenzhen, China
Product Designation	4G Smart Phone
Brand Name	AGM
Model Name	AGM H5, H5, AGM H5 PRO, AGM H5 SE
Different Description	All the same, except for the model name. The test model is AGM H5.
EUT Voltage	DC3.85V by battery
Applicable Standard	IEEE Std. 1528:2013 FCC 47 CFR Part 2§2.1093 IEEE Std C95.1 ™-2005 IEC 62209-1: 2016
Test Date	Dec. 29, 2021 to Jan. 14, 2022
Report Template	AGCRT-US-4G/SAR (2021-04-20)

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

Prepared By — Thea Huang (Project Engineer) Jan. 14, 2022

Reviewed By — Calvin Liu (Reviewer) Jan. 24, 2022

Approved By — Max Zhang (Authorized Officer) Jan. 24, 2022

TABLE OF CONTENTS

1. SUMMARY OF MAXIMUM SAR VALUE 5

2. GENERAL INFORMATION 6

2.1. EUT DESCRIPTION 6

3. SAR MEASUREMENT SYSTEM 8

3.1. THE DASY5 SYSTEM USED FOR PERFORMING COMPLIANCE TESTS CONSISTS OF FOLLOWING ITEMS 8
3.2. DASY5 E-FIELD PROBE 9
3.3. DATA ACQUISITION ELECTRONICS DESCRIPTION 9
3.4. ROBOT 10
3.5. LIGHT BEAM UNIT 10
3.6. DEVICE HOLDER 11
3.7. MEASUREMENT SERVER 11
3.8. PHANTOM 12

4. SAR MEASUREMENT PROCEDURE 13

4.1. SPECIFIC ABSORPTION RATE (SAR) 13
4.2. SAR MEASUREMENT PROCEDURE 14
4.3. RF EXPOSURE CONDITIONS 16

5. TISSUE SIMULATING LIQUID 18

5.1. THE COMPOSITION OF THE TISSUE SIMULATING LIQUID 18
5.2. TISSUE DIELECTRIC PARAMETERS FOR HEAD AND BODY PHANTOMS 19
5.3. TISSUE CALIBRATION RESULT 20

6. SAR SYSTEM CHECK PROCEDURE 23

6.1. SAR SYSTEM CHECK PROCEDURES 23
6.2. SAR SYSTEM CHECK 24

7. EUT TEST POSITION 26

7.2. CHEEK POSITION 27
7.3. TILT POSITION 27
7.4. BODY WORN POSITION 28

8. SAR EXPOSURE LIMITS 29

9. TEST FACILITY 30

10. TEST EQUIPMENT LIST 31

11. MEASUREMENT UNCERTAINTY 32

12. CONDUCTED POWER MEASUREMENT 35

13. TEST RESULTS 63

13.1. SAR TEST RESULTS SUMMARY 63

APPENDIX A. SAR SYSTEM CHECK DATA 132

APPENDIX B. SAR MEASUREMENT DATA 142

APPENDIX C. TEST SETUP PHOTOGRAPHS 192

APPENDIX D. CALIBRATION DATA 199

1. SUMMARY OF MAXIMUM SAR VALUE

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

Frequency Band	Highest Reported 1g-SAR(W/kg)		SAR Test Limit (W/kg)
	Head	Body-worn	
GSM 850	0.447	0.783	1.6
PCS 1900	0.075	1.149	
UMTS Band II	0.141	0.664	
UMTS Band IV	0.225	0.553	
UMTS Band V	0.287	0.554	
LTE Band 2	0.251	0.755	
LTE Band 4	0.411	0.764	
LTE Band 5	0.288	0.340	
LTE Band 12	0.089	0.126	
LTE Band 13	0.095	0.119	
LTE Band 17	0.034	0.079	
LTE Band 25	0.189	0.922	
WIFI 2.4G	0.404	0.148	
5.2GHz (U-NII-1)	0.088	0.067	
5.3GHz U-NII-2A	0.092	0.075	
5.8GHz U-NII-3	0.083	0.049	
Simultaneous Reported SAR	1.359		
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 941225 D06 Hotspot Mode v02r01
- KDB 248227 D01 802 11 Wi-Fi SAR v02r02
- KDB 941225 D05 SAR for LTE Devices v02r05

2. GENERAL INFORMATION

2.1. EUT Description

General Information	
Product Designation	4G Smart Phone
Test Model	AGM H5
Hardware Version	V1.0
Software Version	PH01P.E66.FAC.HB.R0.HP.S50S101.ST7S29S79H10S59S22HR.211201.V7.01
Device Category	Portable
RF Exposure Environment	Uncontrolled
Antenna Type	Internal
GSM and GPRS& EGPRS	
Support Band	☒GSM 850 ☒PCS 1900 ☐GSM 900 ☐DCS 1800
GPRS & EGPRS Type	Class B
GPRS & EGPRS Class	Class 12(1Tx+4Rx, 2Tx+3Rx, 3Tx+2Rx, 4Tx+1Rx)
TX Frequency Range	GSM 850 : 820-850MHz;; PCS 1900: 1850-1910MHz;
RX Frequency Range	GSM 850 : 869~894MHz; PCS 1900: 1930~1990MHz
Release Version	R99
Type of modulation	GMSK for GSM/GPRS; GMSK & 8-PSK for EGPRS
Antenna Gain	GSM850:0.5dBi; PCS1900: 0.8dBi
Max. Average Power	GSM850: 31.44dBm ;PCS1900: 29.95dBm
WCDMA	
Support Band	☒UMTS FDD Band II ☒UMTS FDD Band V ☒UMTS FDD Band IV ☒UMTS FDD Band I ☒UMTS FDD Band VIII
HS Type	HSPA(HSUPA/HSDPA)
TX Frequency Range	WCDMA FDD Band II: 1850-1910MHz; WCDMA FDD Band V: 824-849MHz FDD Band IV: 1710-1770MHz
RX Frequency Range	WCDMA FDD Band II: 1930-1990MHz; WCDMA FDD Band V: 869-894MHz FDD Band IV: 2110-2170MHz
Release Version	Rel-6
Type of modulation	HSDPA:QPSK/16QAM; HSUPA:BPSK; WCDMA:QPSK
Antenna Gain	Band II: 0.8dBi; Band IV: 0.8dBi; Band V: 0.5dBi
Max. Average Power	Band II: 22.12dBm; Band IV: 23.17Bm; Band V: 23.24dBm
Bluetooth	
Operation Frequency	2402~2480MHz
Antenna Gain	1.0dBi
Bluetooth Version	V5.0
Type of modulation	**BR/EDR**: GFSK, Π/4-DQPSK, 8-DPSK; **BLE:** GFSK
EIRP	**BR/EDR**: 9.667dBm; **BLE:** -3.736dBm
WIFI	
WIFI Specification	☐802.11a ☒802.11b ☒802.11g ☒802.11n(20) ☒802.11n(40)
Operation Frequency	2412~2462MHz
Antenna Gain	1.0dBi
Avg. Burst Power	11b:16.74dBm,11g:14.73dBm,11n(20):14.65dBm,11n(40):13.91dBm

EUT Description (Continue)

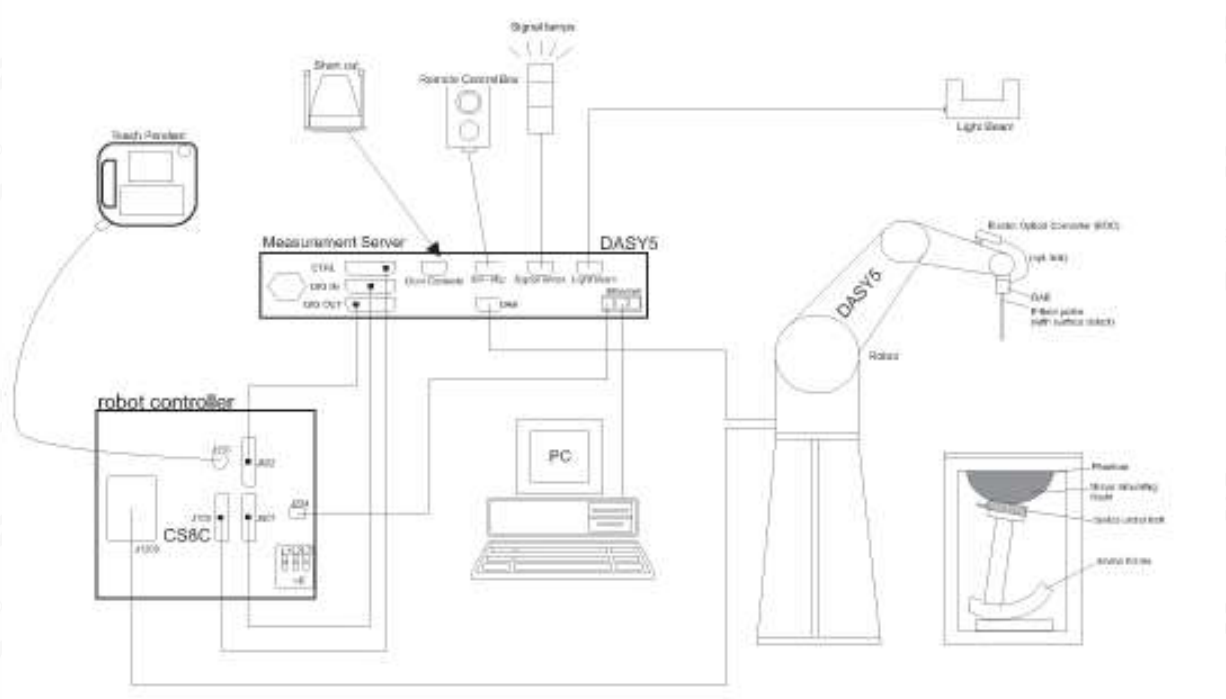
LTE	
Support Band	☒FDD Band 2 ☒FDD Band 4 ☒FDD Band 5 ☒FDD Band 12 ☒FDD Band 13 ☒FDD Band 17 ☒FDD Band 25 (U.S. Bands) ☒FDD Band 1 ☒FDD Band 3 ☒FDD Band 7 ☒FDD Band 8 ☒FDD Band 20 ☒TDD Band 28 (Non-U.S. Bands)
TX Frequency Range	Band 2:1850-1910MHz; Band 4:1710-1755MHz;Band 5:824-849MHz; Band 12:699-716MHz; Band 13: 777-787MHz; Band 17: 704-716MHz; Band 25: 1850-1915MHz;
RX Frequency Range	Band 2:1930-1990MHz; Band 4:2110-2155MHz; Band 5:869-894MHz; Band 12: 729-746 MHz; Band 13: 746-756MHz; Band 17: 734-746 MHz; Band 25: 1930-1995MHz;
Release Version	Rel-8
Type of modulation	QPSK, 16QAM
Antenna Gain	Band 2: 0.8dBi; Band 4: 0.8dBi; Band 5: 0.5dBi; Band 12: 0.6dBi; Band 13: 0.6dBi; Band 17: 0.6dBi; Band 25: 0.8dBi;
Diversity Gain	Band 2: 0.4dBi; Band 4: 0.5dBi; Band 5: 0.3dBi; Band 12: 0.25dBi; Band 13: 0.44dBi; Band 17: 0.38dBi; Band 25: 0.62dBi;
Max. Average Power	Band 2: 22.96dBm; Band 4: 23.07dBm; Band 5: 23.71dBm; Band 12: 23.31dBm; Band 13: 23.35dBm; Band 17: 23.76dBm;Band 25: 23.25dBm;
5 GHz WIFI	
WIFI Specification	☒802.11a ☒802.11n20 ☒802.11n40 ☒802.11ac20 ☒802.11ac40 ☒802.11ac80
Operation Frequency	U-NII-1: 5180MHz~5240MHz; U-NII-2A: 5260MHz~5320MHz; U-NII-3: 5745MHz~5825MHz
Max. conducted Power	U-NII-1: 12.74dBm; U-NII-2A: 13.22dBm; U-NII-3: 13.68dBm
Antenna Gain	1.2dBi
Accessories	
Battery	Brand name: N/A Model No. : GloryG1 Voltage and Capacitance: 3.85 V & 7000mAh
Earphone	Brand name: N/A Model No. : N/A

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

Product	Type
	☒ Production unit ☐ Identical Prototype

3. SAR MEASUREMENT SYSTEM

3.1. The DASY5 system used for performing compliance tests consists of following items



- A standard high precision 6-axis robot with controller, teach pendant and software.
- Data acquisition electronics (DAE) which attached to the robot arm extension. The DAE consist of a highly sensitive electrometer-grade preamplifier with auto-zeroing, a channel and gain-switching multiplexer, a fast 16 bit AD-converter and a command decoder with a control logic unit. Transmission to the measurement server is accomplished through an optical downlink for data and status information, as well as an optical uplink for commands and the clock
- A dosimetric probe equipped with an optical surface detector system.
- The Electro-optical converter (EOC) performs the conversion from optical to electrical signals for the digital Communication to the DAE. To use optical surface detection, a special version of the EOC is required. The EOC signal is transmitted to the measurement server.
- A Light Beam used is for probe alignment. This improves the (absolute) accuracy of the probe positioning.
- A computer running WinXP and the DASY5 software.
- Remote control and teach pendant as well as additional circuitry for robot safety such as warning lamps, etc.
- Phantoms, device holders and other accessories according to the targeted measurement.

3.2. DASY5 E-Field Probe

The SAR measurement is conducted with the dosimetric probe manufactured by SPEAG. 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. SPEAG conducts the probe calibration in compliance with international and national standards (e.g. IEEE-1528 etc.)Under ISO17025.The calibration data are in Appendix D.

Isotropic E-Field Probe Specification

Model	EX3DV4-SN:3953	
Manufacture	SPEAG	
frequency	0.7GHz-6GHz Linearity:±0.9%(k=2)	
Dynamic Range	0.01W/kg-100W/kg Linearity: ±0.9%(k=2)	
Dimensions	Overall length:337mm Tip diameter:2.5mm Typical distance from probe tip to dipole centers:1mm	
Application	High precision dosimetric measurements in any exposure scenario (e.g., very strong gradient fields). Only probe which enables compliance testing for frequencies up to 6 GHz with precision of better 30%.	

3.3. Data Acquisition Electronics description

The data acquisition electronics (DAE) consist if a highly sensitive electrometer-grade preamplifier with auto-zeroing, a channel and gain-switching multiplexer, a fast 16 bit AD-converte and a command decoder with a control logic unit. Transmission to the measurement sever is accomplished through an optical downlink fir data and status information, as well as an optical uplink for commands and the clock.

The mechanical probe mounting device includes two different sensor systems for frontal and sideways probe contacts. They are used for mechanical surface detection and probe collision detection.

DAE4

Input Impedance	200MOhm	
The Inputs	Symmetrical and floating	
Common mode rejection	above 80 dB	

3.4. Robot

The DASY system uses the high precision robots (DASY5:TX60) type from Stäubli SA (France). For the 6-axis controller system, the robot controller version from 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

3.5. Light Beam Unit

The light beam switch allows automatic “tooling” of the probe. 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 prob.1 mm, even if the other probe has different dimensions. During probe rotations, the probe tip will keep its actual position. e, the same position will be reached with another aligned probe within 0

3.6. Device Holder

The DASY 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 DASY device holder has been made out of low-loss POM material having the following dielectric parameters: relative permittivity ε=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.	

3.7. Measurement Server

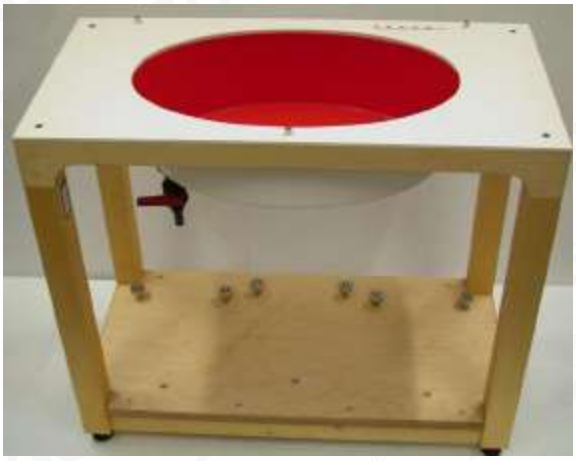
The measurement server is based on a PC/104 CPU board with CPU (DASY5: 400 MHz, Intel Celeron), chip-disk (DASY5: 128MB), RAM (DASY5: 128MB). The necessary circuits for communication with the DAE electronic box, as well as the 16 bit AD converter system for optical detection and digital I/O interface are contained on the DAYS I/O board, which is directly connected to the PC/104 bus of the CPU board. The measurement server performs all the real-time data evaluation for field measurements and surface detection, controls robot movements and handles safety operations.	

3.8. PHANTOM
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.

ELI4 Phantom

□ Flat phantom a fiberglass shell flat phantom 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 DASY 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, 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

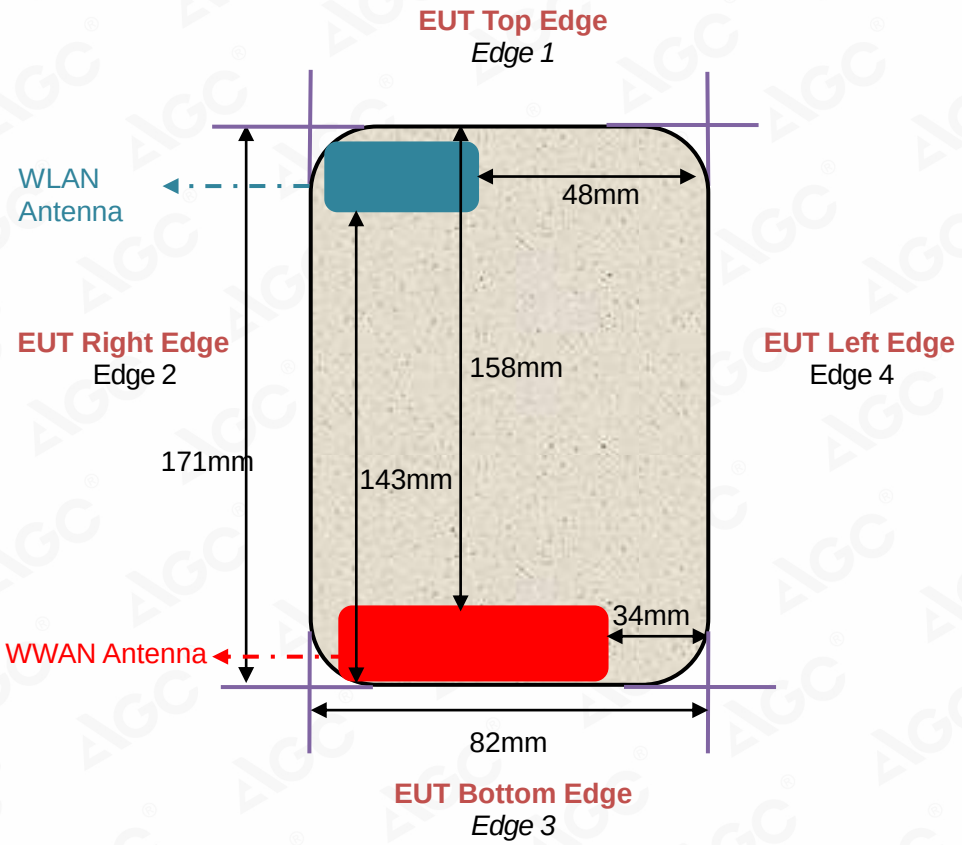
Test Configuration and setting:

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

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

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

Antenna Location: (the back view)



For WWAN mode:

Test Configurations	Antenna to edges/surface	SAR required	Note
Head			
Left Touch		Yes	--
Left Tilt		Yes	--
Right Touch		Yes	--
Right Tilt		Yes	--
Body			
Back	<25mm	Yes	--
Front	<25mm	Yes	--
Hotspot			
Back	<25mm	Yes	--
Front	<25mm	Yes	--
Edge 1 (Top)	158mm	No	SAR is not required for the distance between the antenna and the edge is >25mm as per KDB 941225 D06 Hotspot SAR
Edge 2 (Right)	6mm	Yes	--
Edge 3 (Bottom)	6mm	Yes	--
Edge 4 (Left)	34mm	No	SAR is not required for the distance between the antenna and the edge is >25mm as per KDB 941225 D06 Hotspot SAR

For WLAN mode:

Test Configurations	Antenna to edges/surface	SAR required	Note
Head			
Left Touch		Yes	--
Left Tilt		Yes	--
Right Touch		Yes	--
Right Tilt		Yes	--
Body			
Back	<25mm	Yes	--
Front	<25mm	Yes	--
Hotspot			
Back	<25mm	Yes	--
Front	<25mm	Yes	--
Edge 1 (Top)	6mm	Yes	--
Edge 2 (Right)	6mm	Yes	--
Edge 3 (Bottom)	143mm	No	SAR is not required for the distance between the antenna and the edge is >25mm as per KDB 941225 D06 Hotspot SAR
Edge 4 (Left)	48mm	No	SAR is not required for the distance between the antenna and the edge is >25mm as per KDB 941225 D06 Hotspot SAR

5. TISSUE SIMULATING LIQUID

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

5.1. The composition of the tissue simulating liquid

Ingredient (% Weight) / Frequency (MHz)	Water	Nacl	Polysorbate 20	DGBE	1,2 Propanediol	Triton X-100
750 Head	35	2	0.0	0.0	63	0.0
835 Head	50.36	1.25	48.39	0.0	0.0	0.0
1750 Head	52.64	0.36	0.0	47	0.0	0.0
1900 Head	54.9	0.18	0.0	44.92	0.0	0.0
2450 Head	71.88	0.16	0.0	7.99	0.0	19.97

Ingredient (% Weight) / Frequency (MHz)	Water	Nacl	Polysorbate 20	DGBE	1,2-Propanediol	Triton X-100	Diethylen glycol monohex ylether
5000 Head	65.52	0.0	0.0	0.0	0.0	17.24	17.24

5.2. Tissue Dielectric Parameters for Head and Body Phantoms

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

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

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

5.3. Tissue Calibration Result

The dielectric parameters of the liquids were verified prior to the SAR evaluation using DASY 5 Dielectric Probe Kit and R&S Network Analyzer ZVL6.

Tissue Stimulant Measurement for 750MHz					
	Fr. (MHz)	Dielectric Parameters (±10%)		Tissue Temp [°C]	Test time
		εr 41.9 (37.71-46.09)	δ[s/m] 0.89(0.801-0.979)		
Head	704	43.85	0.83	20.9	Jan. 08, 2022
	709	43.60	0.84		
	707.5	43.46	0.85		
	710	43.17	0.86		
	711	42.98	0.87		
	750	42.72	0.88		
	782	42.59	0.89		

Tissue Stimulant Measurement for 835MHz					
	Fr. (MHz)	Dielectric Parameters (±10%)		Tissue Temp [°C]	Test time
		εr 41.5 (37.35-45.65)	δ[s/m] 0.90(0.81-0.99)		
Head	824.2	41.54	0.90	20.4	Jan. 06, 2022
	826.4	41.54	0.90		
	835	41.26	0.91		
	836.4	41.08	0.92		
	836.6	41.08	0.92		
	846.6	39.86	0.93		
	848.8	39.86	0.93		

Tissue Stimulant Measurement for 835MHz					
	Fr. (MHz)	Dielectric Parameters (±10%)		Tissue Temp [°C]	Test time
		εr 41.5 (37.35-45.65)	δ[s/m] 0.90(0.81-0.99)		
Head	829	41.78	0.87	21.0	Jan. 14, 2022
	835	41.59	0.88		
	836.5	41.32	0.89		
	844	41.09	0.90		

Tissue Stimulant Measurement for 1750MHz					
	Fr. (MHz)	Dielectric Parameters (±10%)		Tissue Temp [°C]	Test time
		εr 40.1 (36.09-44.11)	δ[s/m]1.37(1.233-1.507)		
Head	1712.4	40.43	1.36	20.1	Jan. 05, 2022
	1720	40.43	1.36		
	1732.4	40.12	1.37		
	1732.5	40.12	1.37		
	1745	39.87	1.38		
	1750	39.64	1.39		
	1752.6	39.48	1.40		

Tissue Stimulant Measurement for 1900MHz					
	Fr. (MHz)	Dielectric Parameters (±10%)		Tissue Temp [°C]	Test time
		εr40.00(36.00-44.00)	δ[s/m]1.40(1.26-1.54)		
Head	1850.2	40.24	1.35	20.5	Jan. 04, 2022
	1852.4	40.24	1.35		
	1880	39.98	1.36		
	1900	39.74	1.37		
	1907.6	39.52	1.38		
	1909.8	39.52	1.38		

Tissue Stimulant Measurement for 1900MHz					
	Fr. (MHz)	Dielectric Parameters (±10%)		Tissue Temp [°C]	Test time
		εr40.00(36.00-44.00)	δ[s/m]1.40(1.26-1.54)		
Head	1860	40.64	1.38	20.3	Dec. 29, 2021
	1880	40.35	1.39		
	1882.5	40.13	1.40		
	1900	39.72	1.41		
	1905	39.67	1.42		

Tissue Stimulant Measurement for 2450MHz					
	Fr. (MHz)	Dielectric Parameters (±10%)		Tissue Temp [°C]	Test time
		εr39.2(35.28-43.12)	δ[s/m]1.80(1.62-1.98)		
Head	2412	39.42	1.80	20.3	Jan. 07, 2022
	2437	39.13	1.81		
	2450	38.94	1.82		
	2462	38.76	1.83		

Tissue Stimulant Measurement for 5200MHz					
	Fr. (MHz)	Dielectric Parameters (±10%)		Tissue Temp [°C]	Test time
		εr 36.0(32.4-39.6)	δ[s/m] 4.66(4.194 -5.126)		
Head	5180	36.07	4.61	20.1	Jan. 05, 2022
	5200	35.90	4.62		
	5220	35.64	4.63		
	5240	35.48	4.64		

Tissue Stimulant Measurement for 5300MHz					
	Fr. (MHz)	Dielectric Parameters (±10%)		Tissue Temp [°C]	Test time
		εr 35.9(32.31-39.49)	δ[s/m] 4.76(4.284-5.236)		
Head	5270	36.45	4.79	20.4	Jan. 06, 2022
	5300	36.12	4.80		
	5310	36.07	4.81		

Tissue Stimulant Measurement for 5800MHz					
	Fr. (MHz)	Dielectric Parameters (±10%)		Tissue Temp [°C]	Test time
		εr 35.3 (31.77-38.83)	δ[s/m] 5.27 (4.743-5.797)		
Head	5745	35.84	5.18	20.3	Jan. 07, 2022
	5785	35.67	5.19		
	5800	35.33	5.20		
	5825	35.16	5.21		

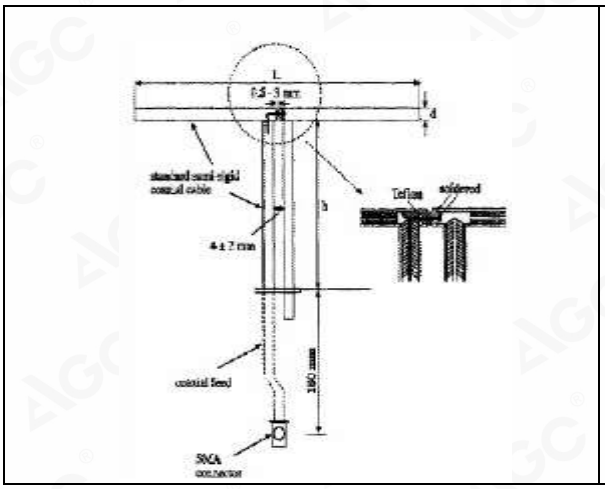
6. SAR SYSTEM CHECK PROCEDURE

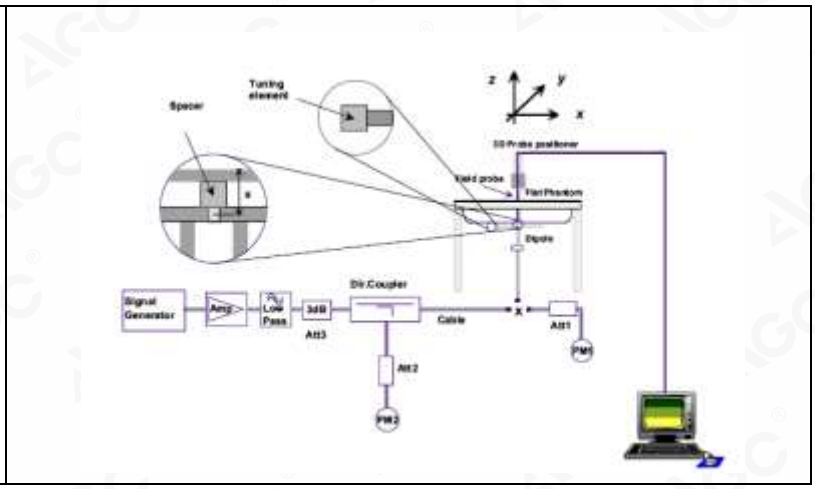
6.1. SAR System Check Procedures

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.

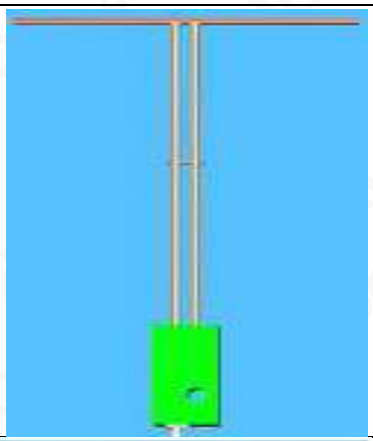
Each DASY system is equipped with one or more system check kits. These units, together with the predefined measurement procedures within the DASY software, enable the user to conduct the system check and system validation. System kit includes a dipole, and dipole device holder.

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





6.2. SAR System Check
6.2.1. Dipoles

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

Frequency	L (mm)	h (mm)	d (mm)
750MHz	176	100	6.35
835MHz	161.0	89.8	3.6
1800MHz	71.6	41.7	3.6
1900MHz	68	39.5	3.6
2450MHz	51.5	30.4	3.6

Frequency	L (mm)	W (mm)	L_f (mm)	W_f (mm)
5000MHz	40.39	20.19	81.03	61.98

6.2.2. System Check Result

System Performance Check at 750MHz&835MHz &1800MHz &1900MHz&2450MHz&5000-6000MHz								
Validation Kit: SN47/14 DIP 0G750-340& SN29/15 DIP 0G835-383& SN46/11 DIP 1G800-186& SN 46/11 DIP 1G900-187& SN46/11 DIP 2G450-189&& SN 15/15 WGA 36								
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	8.31	5.45	7.479-9.141	4.905-5.995	8.59	5.40	20.9	Jan. 08, 2022
835	9.85	6.27	8.865-10.835	5.643 -6.897	9.65	6.12	20.4	Jan. 06, 2022
835	9.85	6.27	8.865-10.835	5.643-6.897	9.75	6.34	21.0	Jan. 14, 2022
1800	39.07	20.29	35.163-42.977	18.261-22.319	37.88	19.02	20.1	Jan. 05, 2022
1900	40.25	20.50	36.225-44.275	18.45-22.55	37.40	19.81	20.5	Jan. 04, 2022
1900	40.25	20.50	36.225-44.275	18.45-22.55	37.72	19.49	20.3	Dec. 29, 2021
2450	53.97	24.01	48.573-59.367	21.609-26.411	55.79	24.72	20.3	Jan. 07, 2022
5200	161.18	55.04	145.062-177.298	49.536-60.544	155.00	54.30	20.1	Jan. 05, 2022
5200	161.18	55.04	145.062-177.298	49.536-60.544	159.00	54.20	20.4	Jan. 06, 2022
5800	181.69	60.11	163.521-199.859	54.099-66.121	187.00	61.70	20.3	Jan. 07, 2022

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

7. EUT TEST POSITION

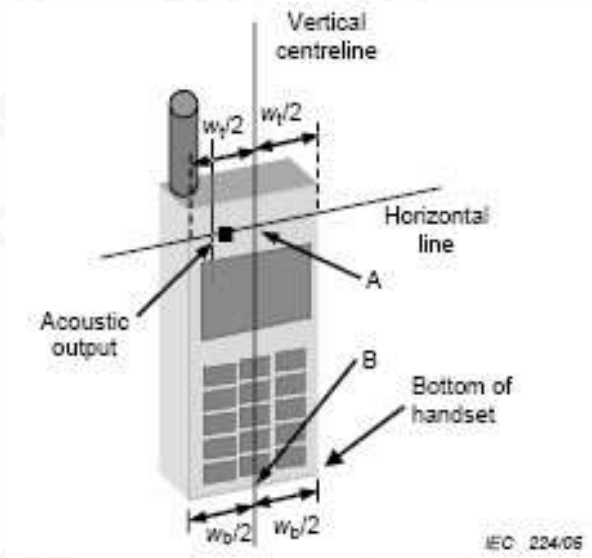
This EUT was tested in **Right Cheek, Right Tilted, Left Cheek, Left Tilted, Body back, Body front, Edge1, Edge2 and Edge3.**

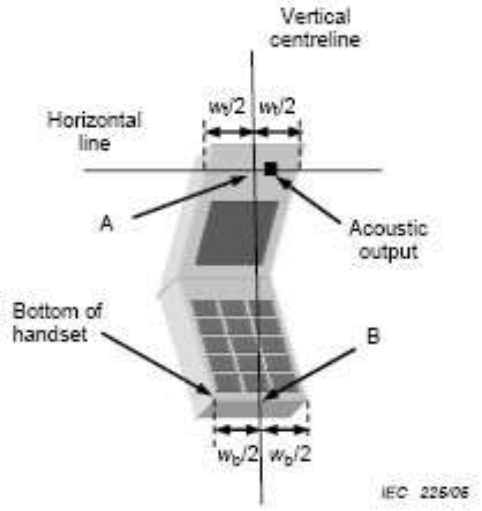
7.1. Define Two Imaginary Lines on the Handset

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

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

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





7.2. Cheek Position

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

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

7.3. Tilt Position

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

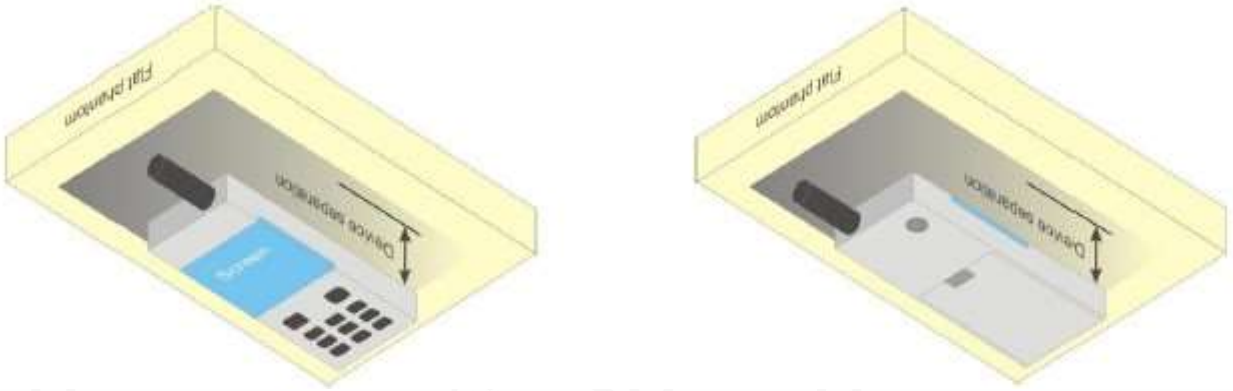
(2) While maintaining the device in the reference plane described above and pivoting against the ear, moves it outward away from the mouth by an angle of 15 degrees or until with the ear is lost.

7.4. Body Worn Position

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

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

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



8. SAR EXPOSURE LIMITS

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

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

9. TEST FACILITY

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

10. TEST EQUIPMENT LIST

Equipment description	Manufacturer/ Model	Identification No.	Software version	Current calibration date	Next calibration date
Stäubli Robot	Stäubli-TX60	F13/5Q2UD1/A/01	N/A	N/A	N/A
Robot Controller	Stäubli-CS8	139522	N/A	N/A	N/A
E-Field Probe	Speag- EX3DV4	SN:3953	N/A	Aug. 27,2021	Aug. 26,2022
SAM Twin Phantom	Speag-SAM	1790	N/A	N/A	N/A
Device Holder	Speag-SD 000 H01 KA	SD 000 H01 KA	N/A	N/A	N/A
DAE4	Speag-SD 000 D04 BM	1398	N/A	May 17,2021	May 16,2022
SAR Software	Speag-DASY5	N/A	5.3da53	N/A	N/A
Liquid	SATIMO	N/A	N/A	N/A	N/A
Radio Communication Tester	R&S-CMU200	115532	V5.2.1	Apr. 14,2021	Apr. 13,2022
Dipole	SATIMO SID750	SN47/14 DIP 0G750-340	N/A	Apr. 26,2019	Apr. 25,2022
Dipole	SATIMO SID835	SN 29/15 DIP 0G850-383	N/A	Apr. 26,2019	Apr. 25,2022
Dipole	SATIMO SID1800	SN46/11 DIP 1G800-186	N/A	Apr. 26,2019	Apr. 25,2022
Dipole	SATIMO SID1900	SN 46/11 DIP 1G900-187	N/A	Apr. 26,2019	Apr. 25,2022
Dipole	SATIMO SID2450	SN 46/11 DIP 2G450-189	N/A	Apr. 26,2019	Apr. 25,2022
Wave guide	SWG5500	SN 15/15 WGA 36	N/A	Apr. 26,2019	Apr. 25,2022
Signal Generator	Agilent-E4438C	US41461365	V5.03	Aug. 18,2021	Aug. 17,2022
Vector Analyzer	Agilent / E4440A	MY44303916	N/A	Mar. 21,2021	Mar. 20,2022
Network Analyzer	Rhode & Schwarz ZVL6	SN101443	3.2	Oct. 28,2021	Oct. 27,2022
Attenuator	Warison /WATT-6SR1211	S/N:WRJ34AYM2F1	N/A	June 09,2021	June 08,2022
Attenuator	Mini-circuits / VAT-10+	31405	N/A	June 09,2021	June 08,2022
Amplifier	AS0104-55_55	1004793	N/A	June 10,2021	June 09,2022
Directional Couple	Werlatone/ C5571-10	SN99463	N/A	May 15,2020	May 14,2022
Directional Couple	Werlatone/ C6026-10	SN99482	N/A	May 15,2020	May 14,2022
Power Sensor	NRP-Z21	1137.6000.02	N/A	Sep. 07,2021	Sep. 06,2022
Power Sensor	NRP-Z23	100323	N/A	Feb. 17,2021	Feb. 16,2022
Power Viewer	R&S	V2.3.1.0	N/A	N/A	N/A
Calibration standard parts for network sub - port	R&S/ ZV-Z132	N/A	V2.3.1.0	Dec. 07, 2021	Dec. 06, 2022

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

11. MEASUREMENT UNCERTAINTY

DASY Uncertainty- EX3DV4 Measurement uncertainty for Dipole averaged over 1 gram / 10 gram.									
a	b	c	d	e f(d,k)	f	g	h c×f/e	i c×g/e	k
Uncertainty Component	Sec.	Tol (± %)	Prob. Dist.	Div.	Ci (1g)	Ci (10g)	1g Ui (±%)	10g Ui (±%)	vi
Measurement System									
Probe calibration	E.2.1	6.65	N	1	1	1	6.65	6.65	∞
Axial Isotropy	E.2.2	0.6	R	$\sqrt{3}$	√0.5	√0.5	0.24	0.24	∞
Hemispherical Isotropy	E.2.2	1.6	R	$\sqrt{3}$	√0.5	√0.5	0.65	0.65	∞
Boundary effect	E.2.3	1	R	$\sqrt{3}$	1	1	0.58	0.58	∞
Linearity	E.2.4	0.45	R	$\sqrt{3}$	1	1	0.26	0.26	∞
System detection limits	E.2.4	1	R	$\sqrt{3}$	1	1	0.58	0.58	∞
Modulation response	E2.5	3.3	R	$\sqrt{3}$	1	1	1.91	1.91	∞
Readout Electronics	E.2.6	0.15	N	1	1	1	0.15	0.15	∞
Response Time	E.2.7	0	R	$\sqrt{3}$	1	1	0.00	0.00	∞
Integration Time	E.2.8	1.7	R	$\sqrt{3}$	1	1	0.98	0.98	∞
RF ambient conditions-Noise	E.6.1	3	R	$\sqrt{3}$	1	1	1.73	1.73	∞
RF ambient conditions-reflections	E.6.1	3	R	$\sqrt{3}$	1	1	1.73	1.73	∞
Probe positioner mechanical tolerance	E.6.2	0.4	R	$\sqrt{3}$	1	1	0.23	0.23	∞
Probe positioning with respect to phantom shell	E.6.3	6.7	R	$\sqrt{3}$	1	1	3.87	3.87	∞
Extrapolation, interpolation, and integrations algorithms for max. SAR evaluation	E.5	4	R	$\sqrt{3}$	1	1	2.31	2.31	∞
Test sample Related									
Test sample positioning	E.4.2	2.9	N	1	1	1	2.90	2.90	∞
Device holder uncertainty	E.4.1	3.6	N	1	1	1	3.60	3.60	∞
Output power variation—SAR drift measurement	E.2.9	5	R	$\sqrt{3}$	1	1	2.89	2.89	∞
SAR scaling	E.6.5	5	R	$\sqrt{3}$	1	1	2.89	2.89	∞
Phantom and tissue parameters									
Phantom shell uncertainty—shape, thickness, and permittivity	E.3.1	6.6	R	$\sqrt{3}$	1	1	3.81	3.81	∞
Uncertainty in SAR correction for deviations in permittivity and conductivity	E.3.2	1.9	N	1	1	0.84	1.90	1.60	∞
Liquid conductivity measurement	E.3.3	4	N	1	0.78	0.71	3.12	2.84	M
Liquid permittivity measurement	E.3.3	5	N	1	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	∞
Combined Standard Uncertainty			RSS				11.79	11.63	
Expanded Uncertainty (95% Confidence interval)			K=2				23.59	23.26	

DASY Uncertainty- EX3DV4 System Check uncertainty for Dipole averaged over 1 gram / 10 gram.									
a	b	c	d	e f(d,k)	f	g	h c×f/e	i c×g/e	k
Uncertainty Component	Sec.	Tol (± %)	Prob. Dist.	Div.	Ci (1g)	Ci (10g)	1g Ui (±%)	10g Ui (±%)	vi
Measurement System									
Probe calibration drift	E.2.1	0.5	N	1	1	1	0.5	0.5	∞
Axial Isotropy	E.2.2	0.6	R	$\sqrt{3}$	0	0	0.00	0.00	∞
Hemispherical Isotropy	E.2.2	1.6	R	$\sqrt{3}$	0	0	0.00	0.00	∞
Boundary effect	E.2.3	1	R	$\sqrt{3}$	0	0	0.00	0.00	∞
Linearity	E.2.4	0.45	R	$\sqrt{3}$	0	0	0.00	0.00	∞
System detection limits	E.2.4	1	R	$\sqrt{3}$	0	0	0.00	0.00	∞
Modulation response	E2.5	3.3	R	$\sqrt{3}$	0	0	0.00	0.00	∞
Readout Electronics	E.2.6	0.15	N	1	0	0	0.00	0.00	∞
Response Time	E.2.7	0	R	$\sqrt{3}$	0	0	0.00	0.00	∞
Integration Time	E.2.8	1.7	R	$\sqrt{3}$	0	0	0.00	0.00	∞
RF ambient conditions-Noise	E.6.1	3	R	$\sqrt{3}$	0	0	0.00	0.00	∞
RF ambient conditions-reflections	E.6.1	3	R	$\sqrt{3}$	0	0	0.00	0.00	∞
Probe positioner mechanical tolerance	E.6.2	0.4	R	$\sqrt{3}$	1	1	0.37	0.37	∞
Probe positioning with respect to phantom shell	E.6.3	6.7	R	$\sqrt{3}$	1	1	3.87	3.87	∞
Extrapolation, interpolation, and integrations algorithms for max. SAR evaluation	E.5	4	R	$\sqrt{3}$	0	0	0.00	0.00	∞
System check source (dipole)									
Deviation of experimental dipoles	E.6.4	2.0	N	1	1	1	2.00	2.00	∞
Input power and SAR drift measurement	8,6.6.4	5.0	R	$\sqrt{3}$	1	1	2.89	2.89	∞
Dipole axis to liquid distance	8,E.6.6	2.0	R	$\sqrt{3}$	1	1	1.15	1.15	∞
Phantom and tissue parameters									
Phantom shell uncertainty—shape, thickness, and permittivity	E.3.1	6.6	R	$\sqrt{3}$	1	1	3.81	3.81	∞
Uncertainty in SAR correction for deviations in permittivity and conductivity	E.3.2	1.9	N	1	1	0.84	1.90	1.60	∞
Liquid conductivity measurement	E.3.3	4	N	1	0.78	0.71	3.12	2.84	M
Liquid permittivity measurement	E.3.3	5	N	1	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	∞
Combined Standard Uncertainty			RSS				7.34	7.07	
Expanded Uncertainty (95% Confidence interval)			K=2				14.67	14.14	

DASY Uncertainty- EX3DV4 System Validation uncertainty for Dipole averaged over 1 gram / 10 gram.									
a	b	c	d	e f(d,k)	f	g	h c×f/e	i c×g/e	k
Uncertainty Component	Sec.	Tol (±%)	Prob. Dist.	Div.	Ci (1g)	Ci (10g)	1g Ui (±%)	10g Ui (±%)	vi
Measurement System									
Probe calibration	E.2.1	6.65	N	1	1	1	6.65	6.65	∞
Axial Isotropy	E.2.2	0.6	R	$\sqrt{3}$	1	1	0.35	0.35	∞
Hemispherical Isotropy	E.2.2	1.6	R	$\sqrt{3}$	0	0	0.00	0.00	∞
Boundary effect	E.2.3	1	R	$\sqrt{3}$	1	1	0.58	0.58	∞
Linearity	E.2.4	0.45	R	$\sqrt{3}$	1	1	0.26	0.26	∞
System detection limits	E.2.4	1	R	$\sqrt{3}$	1	1	0.58	0.58	∞
Modulation response	E2.5	3.3	R	$\sqrt{3}$	0	0	0.00	0.00	∞
Readout Electronics	E.2.6	0.15	N	1	1	1	0.15	0.15	∞
Response Time	E.2.7	0	R	$\sqrt{3}$	0	0	0.00	0.00	∞
Integration Time	E.2.8	1.7	R	$\sqrt{3}$	0	0	0.00	0.00	∞
RF ambient conditions-Noise	E.6.1	3	R	$\sqrt{3}$	1	1	1.73	1.73	∞
RF ambient conditions-reflections	E.6.1	3	R	$\sqrt{3}$	1	1	1.73	1.73	∞
Probe positioner mechanical tolerance	E.6.2	0.4	R	$\sqrt{3}$	1	1	0.23	0.23	∞
Probe positioning with respect to phantom shell	E.6.3	6.7	R	$\sqrt{3}$	1	1	3.87	3.87	∞
Extrapolation, interpolation, and integrations algorithms for max. SAR evaluation	E.5	4	R	$\sqrt{3}$	1	1	2.31	2.31	∞
System check source (dipole)									
Deviation of experimental dipole from numerical dipole	E.6.4	5.0	N	1	1	1	5.00	5.00	∞
Input power and SAR drift measurement	8,6.6.4	5.0	R	$\sqrt{3}$	1	1	2.89	2.89	∞
Dipole axis to liquid distance	8,E.6.6	2.0	R	$\sqrt{3}$	1	1	1.15	1.15	∞
Phantom and tissue parameters									
Phantom shell uncertainty—shape, thickness, and permittivity	E.3.1	6.6	R	$\sqrt{3}$	1	1	3.81	3.81	∞
Uncertainty in SAR correction for deviations in permittivity and conductivity	E.3.2	1.9	N	1	1	0.84	1.90	1.60	∞
Liquid conductivity measurement	E.3.3	4	N	1	0.78	0.71	3.12	2.84	M
Liquid permittivity measurement	E.3.3	5	N	1	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	∞
Combined Standard Uncertainty			RSS				11.45	11.28	
Expanded Uncertainty (95% Confidence interval)			K=2				22.89	22.55	

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	31.27	-9	22.27
	836.6	30.66	-9	21.66
	848.8	30.44	-9	21.44
GPRS 850 （1 Slot）	824.2	**31.44**	-9	22.44
	836.6	31.34	-9	22.34
	848.8	30.72	-9	21.72
GPRS 850 （2 Slot）	824.2	30.78	-6	**24.78**
	836.6	30.42	-6	24.42
	848.8	30.55	-6	24.55
GPRS 850 （3 Slot）	824.2	29.02	-4.26	24.76
	836.6	28.94	-4.26	24.68
	848.8	28.93	-4.26	24.67
GPRS 850 （4 Slot）	824.2	26.84	-3	23.84
	836.6	26.91	-3	23.91
	848.8	26.79	-3	23.79
EGPRS 850 （1 Slot）	824.2	25.58	-9	16.58
	836.6	24.61	-9	15.61
	848.8	25.77	-9	16.77
EGPRS 850 （2 Slot）	824.2	24.34	-6	18.34
	836.6	24.42	-6	18.42
	848.8	24.43	-6	18.43
EGPRS 850 （3 Slot）	824.2	21.76	-4.26	17.50
	836.6	21.65	-4.26	17.39
	848.8	21.34	-4.26	17.08
EGPRS 850 （4 Slot）	824.2	19.85	-3	16.85
	836.6	19.76	-3	16.76
	848.8	19.47	-3	16.47

GSM BAND CONTINUE

Mode	Frequency(MHz)	Avg. Burst Power(dBm)	Duty cycle Factor(dBm)	Frame Power(dBm)
Maximum Power <1>				
PCS1900	1850.2	29.46	-9	20.46
	1880	29.93	-9	20.93
	1909.8	29.64	-9	20.64
GPRS1900 （1 Slot）	1850.2	29.51	-9	20.51
	1880	**29.95**	-9	20.95
	1909.8	29.66	-9	20.66
GPRS1900 （2 Slot）	1850.2	27.36	-6	21.36
	1880	27.42	-6	**21.42**
	1909.8	27.39	-6	21.39
GPRS1900 （3 Slot）	1850.2	25.53	-4.26	21.27
	1880	25.57	-4.26	21.31
	1909.8	25.66	-4.26	21.40
GPRS1900 （4 Slot）	1850.2	23.21	-3	20.21
	1880	23.48	-3	20.48
	1909.8	23.36	-3	20.36
EGPRS1900 （1 Slot）	1850.2	25.45	-9	16.45
	1880	25.93	-9	16.93
	1909.8	26.11	-9	17.11
EGPRS1900 （2 Slot）	1850.2	23.89	-6	17.89
	1880	24.12	-6	18.12
	1909.8	24.09	-6	18.09
EGPRS1900 （3 Slot）	1850.2	21.78	-4.26	17.52
	1880	21.94	-4.26	17.68
	1909.8	21.87	-4.26	17.61
EGPRS1900 （4 Slot）	1850.2	19.85	-3	16.85
	1880	19.69	-3	16.69
	1909.8	19.74	-3	16.74

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

UMTS BAND
HSDPA Setup Configuration:

·The EUT was connected to Base Station CMU200 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 CMU200 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	21.76
	1880	**22.12**
	1907.6	21.61
HSDPA Subtest 1	1852.4	20.73
	1880	21.05
	1907.6	20.50
HSDPA Subtest 2	1852.4	19.96
	1880	20.28
	1907.6	19.71
HSDPA Subtest 3	1852.4	19.84
	1880	20.19
	1907.6	19.63
HSDPA Subtest 4	1852.4	19.83
	1880	20.19
	1907.6	19.66
HSUPA Subtest 1	1852.4	18.38
	1880	18.72
	1907.6	18.17
HSUPA Subtest 2	1852.4	18.47
	1880	18.78
	1907.6	18.22
HSUPA Subtest 3	1852.4	19.41
	1880	19.76
	1907.6	19.19
HSUPA Subtest 4	1852.4	17.89
	1880	18.26
	1907.6	17.73
HSUPA Subtest 5	1852.4	17.69
	1880	17.94
	1907.6	17.41

UMTS BAND IV

Mode	Frequency (MHz)	Avg. Burst Power (dBm)
WCDMA 1700 RMC	1712.4	**23.17**
	1732.4	22.82
	1752.6	22.60
HSDPA Subtest 1	1712.4	22.22
	1732.4	21.91
	1752.6	21.60
HSDPA Subtest 2	1712.4	21.34
	1732.4	21.12
	1752.6	20.71
HSDPA Subtest 3	1712.4	21.29
	1732.4	21.01
	1752.6	20.70
HSDPA Subtest 4	1712.4	21.31
	1732.4	21.00
	1752.6	20.67
HSUPA Subtest 1	1712.4	19.91
	1732.4	19.59
	1752.6	19.31
HSUPA Subtest 2	1712.4	20.06
	1732.4	19.69
	1752.6	19.47
HSUPA Subtest 3	1712.4	20.97
	1732.4	20.64
	1752.6	20.37
HSUPA Subtest 4	1712.4	19.53
	1732.4	19.22
	1752.6	18.92
HSUPA Subtest 5	1712.4	19.19
	1732.4	18.62
	1752.6	20.34

UMTS BAND V

Mode	Frequency (MHz)	Avg. Burst Power (dBm)
WCDMA 850 RMC	826.4	23.20
	836.6	22.61
	846.6	**23.24**
HSDPA Subtest 1	826.4	22.31
	836.6	21.75
	846.6	22.29
HSDPA Subtest 2	826.4	21.55
	836.6	20.98
	846.6	21.47
HSDPA Subtest 3	826.4	21.53
	836.6	20.91
	846.6	21.45
HSDPA Subtest 4	826.4	21.48
	836.6	20.89
	846.6	21.37
HSUPA Subtest 1	826.4	20.17
	836.6	19.56
	846.6	20.16
HSUPA Subtest 2	826.4	20.17
	836.6	19.52
	846.6	20.15
HSUPA Subtest 3	826.4	21.21
	836.6	20.57
	846.6	21.13
HSUPA Subtest 4	826.4	19.63
	836.6	19.09
	846.6	19.67
HSUPA Subtest 5	826.4	19.31
	836.6	18.70
	846.6	19.29

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

Conducted Power of LTE Band 2(dBm)							
Bandwidth	**Modulation**	**RB size**	**RB offset**	**Target MPR**	**Channel**	**Channel**	**Channel**
					18607	**18900**	**19193**
1.4MHz	QPSK	1	0	0	22.72	**22.96**	22.33
			3	0	22.81	22.79	21.95
			5	0	22.70	22.64	21.79
		3	0	0	22.74	22.62	21.78
			2	0	22.74	22.74	21.79
			3	0	22.38	22.67	21.85
		6	0	1	21.78	21.79	20.85
	16QAM	1	0	1	21.77	21.89	20.65
			3	1	21.91	21.82	20.88
			5	1	21.73	21.48	20.68
		3	0	1	21.49	21.52	20.59
			2	1	21.48	21.68	20.60
			3	1	21.17	21.51	20.54
		6	0	2	20.80	20.84	19.82
Bandwidth	**Modulation**	**RB size**	**RB offset**	**Target MPR**	**Channel**	**Channel**	**Channel**
					18615	**18900**	**19185**
3MHz	QPSK	1	0	0	22.23	22.55	21.84
			7	0	22.16	22.48	21.82
			14	0	22.22	22.41	21.91
		8	0	1	21.18	21.54	20.80
			4	1	21.16	21.52	20.81
			7	1	21.18	21.42	20.81
		15	0	1	21.14	21.42	20.73
	16QAM	1	0	1	21.38	21.64	20.72
			7	1	21.27	21.51	20.71
			14	1	21.31	21.49	20.77
		8	0	2	20.19	20.45	19.74
			4	2	20.20	20.47	19.75
			7	2	20.16	20.39	19.75
		15	0	2	20.07	20.30	19.63

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	22.26	22.56	21.77
			13	0	22.30	22.57	21.87
			24	0	22.15	22.40	21.87
		12	0	1	21.17	21.53	20.80
			6	1	21.20	21.53	20.76
			13	1	21.20	21.45	20.75
		25	0	1	21.14	21.49	20.76
	16QAM	1	0	1	21.19	21.74	20.79
			13	1	21.21	21.65	20.83
			24	1	21.16	21.55	20.83
		12	0	2	20.06	20.48	19.74
			6	2	20.11	20.47	19.73
			13	2	20.09	20.38	19.69
		25	0	2	20.12	20.41	19.75
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel 18650	Channel 18900	Channel 19150
10MHz	QPSK	1	0	0	22.23	22.75	21.85
			25	0	22.31	22.53	21.91
			49	0	22.26	22.33	21.89
		25	0	1	21.25	21.62	20.93
			13	1	21.22	21.64	20.92
			25	1	21.24	21.46	20.81
		50	0	1	21.23	21.52	20.79
	16QAM	1	0	1	21.31	21.83	20.77
			25	1	21.28	21.69	20.80
			49	1	21.41	21.38	20.69
		25	0	2	20.12	20.58	19.88
			13	2	20.14	20.59	19.87
			25	2	20.18	20.41	19.76
		50	0	2	20.15	20.49	19.73

Conducted Power of LTE Band 2(dBm)							
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel	Channel	Channel
					18675	18900	19125
15MHz	QPSK	1	0	0	22.13	22.72	21.92
			38	0	22.23	22.52	21.86
			74	0	22.55	22.12	21.73
		36	0	1	21.32	21.59	20.89
			18	1	21.35	21.55	20.83
			39	1	21.36	21.56	20.85
		75	0	1	21.35	21.58	20.89
	16QAM	1	0	1	21.27	21.93	20.73
			38	1	21.36	21.71	20.77
			74	1	21.63	21.36	20.62
		36	0	2	21.35	21.56	20.85
			18	2	21.35	21.54	20.84
			39	2	21.38	21.58	20.85
		75	0	2	20.27	20.48	19.81
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel	Channel	Channel
					18700	18900	19100
20MHz	QPSK	1	0	0	22.03	22.71	21.77
			50	0	22.41	22.69	21.91
			99	0	22.78	21.96	21.54
		50	0	1	21.12	21.62	20.90
			25	1	21.15	21.62	20.91
			50	1	21.63	21.28	20.72
		100	0	1	21.41	21.51	20.80
	16QAM	1	0	1	21.03	21.87	20.76
			50	1	21.51	21.74	20.99
			99	1	21.69	21.07	20.53
		50	0	2	20.09	20.59	19.89
			25	2	20.05	20.57	19.90
			50	2	20.60	20.27	19.68
		100	0	2	20.35	20.43	19.77

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	**23.07**	22.88	22.65
			3	0	22.71	22.98	22.72
			5	0	22.54	22.88	22.66
		3	0	0	22.64	22.98	22.73
			2	0	22.66	22.98	22.75
			3	0	22.65	22.98	22.79
		6	0	1	21.65	21.99	21.78
	16QAM	1	0	1	21.75	21.95	21.77
			3	1	21.82	22.17	21.86
			5	1	21.60	21.94	21.78
		3	0	1	21.48	21.84	21.60
			2	1	21.47	21.84	21.62
			3	1	21.47	21.80	21.68
		6	0	2	20.67	20.97	20.65
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel	Channel	Channel
					19965	20175	20385
3MHz	QPSK	1	0	0	22.48	22.81	22.63
			7	0	22.47	22.87	22.65
			14	0	22.41	22.87	22.68
		8	0	1	21.57	21.92	21.69
			4	1	21.57	21.94	21.67
			7	1	21.50	21.93	21.69
		15	0	1	21.49	21.87	21.62
	16QAM	1	0	1	21.73	22.06	21.78
			7	1	21.62	22.07	21.78
			14	1	21.61	21.98	21.81
		8	0	2	20.54	20.93	20.68
			4	2	20.55	20.94	20.68
			7	2	20.52	20.92	20.69
		15	0	2	20.42	20.90	20.56

Conducted Power of LTE Band 4(dBm)							
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel 19975	Channel 20175	Channel 20375
5MHz	QPSK	1	0	0	22.52	22.83	22.51
			13	0	22.55	22.99	22.77
			24	0	22.34	22.80	22.67
		12	0	1	21.44	21.93	21.62
			6	1	21.53	21.96	21.68
			13	1	21.40	21.89	21.71
		25	0	1	21.45	21.95	21.70
	16QAM	1	0	1	21.51	21.83	21.71
			13	1	21.49	21.96	21.95
			24	1	21.34	21.81	21.89
		12	0	2	20.46	20.88	20.66
			6	2	20.45	20.89	20.68
			13	2	20.37	20.84	20.74
		25	0	2	20.47	20.91	20.66
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel 20000	Channel 20175	Channel 20350
10MHz	QPSK	1	0	0	22.53	22.84	22.31
			25	0	22.52	22.98	22.65
			49	0	22.41	22.74	22.70
		25	0	1	21.47	22.01	21.51
			13	1	21.49	22.01	21.53
			25	1	21.47	21.93	21.73
		50	0	1	21.45	21.92	21.61
	16QAM	1	0	1	21.65	22.01	21.48
			25	1	21.70	22.19	21.81
			49	1	21.56	21.96	21.82
		25	0	2	20.41	20.95	20.58
			13	2	20.46	20.96	20.53
			25	2	20.45	20.87	20.71
		50	0	2	20.41	20.89	20.66

Conducted Power of LTE Band 4(dBm)							
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel	Channel	Channel
					20025	20175	20325
15MHz	QPSK	1	0	0	22.43	22.73	22.45
			38	0	22.40	22.92	22.48
			74	0	22.49	22.53	22.62
		36	0	1	21.60	21.98	21.65
			18	1	21.55	21.96	21.64
			39	1	21.57	21.98	21.63
		75	0	1	21.58	21.96	21.63
	16QAM	1	0	1	21.59	21.90	21.74
			38	1	21.55	22.12	21.76
			74	1	21.66	21.71	21.87
		36	0	2	21.59	21.97	21.65
			18	2	21.57	21.96	21.64
			39	2	21.54	21.98	21.63
		75	0	2	20.47	20.91	20.56
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel	Channel	Channel
					20050	20175	20300
20MHz	QPSK	1	0	0	22.33	22.58	22.60
			50	0	22.61	23.06	22.59
			99	0	22.55	22.34	22.56
		50	0	1	21.34	21.91	21.64
			25	1	21.37	21.96	21.65
			50	1	21.64	21.70	21.55
		100	0	1	21.50	21.84	21.56
	16QAM	1	0	1	21.34	21.57	21.72
			50	1	21.63	22.07	21.73
			99	1	21.56	21.36	21.65
		50	0	2	20.32	20.90	20.65
			25	2	20.36	20.88	20.61
			50	2	20.55	20.76	20.57
		100	0	2	20.47	20.80	20.56

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	23.35	23.33	23.35
			3	0	22.83	23.13	23.56
			5	0	22.88	22.90	23.39
		3	0	0	22.95	22.90	23.41
			2	0	22.97	22.93	23.42
			3	0	22.95	22.97	23.47
		6	0	1	21.94	21.94	22.48
	16QAM	1	0	1	22.36	21.86	22.48
			3	1	22.12	22.04	22.62
			5	1	21.98	21.99	22.44
		3	0	1	21.83	21.77	22.29
			2	1	21.86	21.78	22.30
			3	1	21.82	21.83	22.32
		6	0	2	20.80	20.94	21.33
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel	Channel	Channel
					20415	20525	20635
3MHz	QPSK	1	0	0	22.91	23.25	23.62
			7	0	22.84	22.90	23.41
			14	0	22.78	23.04	23.43
		8	0	1	21.93	21.88	22.43
			4	1	21.91	21.83	22.45
			7	1	21.92	22.02	22.36
		15	0	1	21.84	21.90	22.35
	16QAM	1	0	1	22.07	21.94	22.52
			7	1	21.95	22.01	22.49
			14	1	21.88	22.14	22.52
		8	0	2	20.95	20.90	21.40
			4	2	20.95	20.88	21.39
			7	2	20.86	20.99	21.34
		15	0	2	20.84	20.91	21.34

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	22.91	23.18	**23.71**
			13	0	22.89	23.02	23.48
			24	0	22.68	23.06	23.42
		12	0	1	21.87	21.80	22.49
			6	1	21.92	21.84	22.49
			13	1	21.72	22.02	22.25
		25	0	1	21.85	21.90	22.38
	16QAM	1	0	1	21.85	21.65	22.57
			13	1	21.86	22.00	22.64
			24	1	21.65	22.07	22.55
		12	0	2	20.85	20.81	21.47
			6	2	20.85	20.79	21.48
			13	2	20.68	20.99	21.31
		25	0	2	20.85	20.91	21.38
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel 20450	Channel 20525	Channel 20600
10MHz	QPSK	1	0	0	22.91	22.96	23.66
			25	0	22.70	23.11	23.53
			49	0	22.60	23.29	23.47
		25	0	1	21.86	21.76	22.41
			13	1	21.89	21.77	22.39
			25	1	21.64	22.17	22.41
		50	0	1	21.74	21.92	22.39
	16QAM	1	0	1	21.99	21.70	22.12
			25	1	21.76	22.19	22.46
			49	1	21.73	22.48	22.38
		25	0	2	20.83	20.79	21.45
			13	2	20.88	20.78	21.47
			25	2	20.60	21.22	21.44
		50	0	2	20.68	20.94	21.38

Conducted Power of LTE Band 12(dBm)							
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel	Channel	Channel
					23017	23095	23173
1.4MHz	QPSK	1	0	0	23.28	23.28	22.46
			3	0	**23.31**	23.20	22.52
			5	0	22.96	23.08	22.32
		3	0	0	22.92	23.17	22.50
			2	0	22.89	23.19	22.51
			3	0	22.87	23.21	22.43
		6	0	1	21.95	22.11	21.49
	16QAM	1	0	1	22.56	22.39	21.57
			3	1	22.30	22.56	21.67
			5	1	22.12	22.41	21.49
		3	0	1	21.96	22.17	21.42
			2	1	21.82	22.17	21.42
			3	1	21.83	22.11	21.32
		6	0	2	20.98	21.12	20.52
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel	Channel	Channel
					23025	23095	23165
3MHz	QPSK	1	0	0	22.83	23.11	22.62
			7	0	22.91	23.13	22.40
			14	0	22.96	23.06	22.25
		8	0	1	21.88	22.10	21.66
			4	1	21.90	22.11	21.64
			7	1	22.03	22.09	21.43
		15	0	1	21.90	22.15	21.48
	16QAM	1	0	1	22.05	22.49	21.58
			7	1	22.07	22.40	21.40
			14	1	22.13	22.29	21.26
		8	0	2	20.91	21.18	20.59
			4	2	20.93	21.21	20.64
			7	2	20.97	21.18	20.40
		15	0	2	20.90	21.11	20.40

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	22.80	23.01	22.86
			13	0	23.04	23.22	22.66
			24	0	22.97	23.04	22.29
		12	0	1	21.98	22.19	21.83
			6	1	21.97	22.16	21.82
			13	1	21.95	22.29	21.37
		25	0	1	21.94	22.24	21.69
	16QAM	1	0	1	21.89	22.31	21.95
			13	1	22.09	22.58	21.67
			24	1	22.02	22.41	21.32
		12	0	2	20.91	21.24	20.91
			6	2	20.86	21.25	20.86
			13	2	20.86	21.37	20.37
		25	0	2	20.99	21.22	20.69
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel 23060	Channel 23095	Channel 23130
10MHz	QPSK	1	0	0	22.84	22.99	23.16
			25	0	23.15	23.20	23.14
			49	0	23.13	22.88	22.35
		25	0	1	22.20	22.32	22.02
			13	1	22.21	22.30	22.06
			25	1	22.23	22.37	21.58
		50	0	1	22.25	22.32	21.77
	16QAM	1	0	1	22.03	22.20	22.08
			25	1	22.36	22.51	22.03
			49	1	22.41	22.07	21.30
		25	0	2	21.18	21.33	21.11
			13	2	21.21	21.37	21.11
			25	2	21.25	21.40	20.58
		50	0	2	21.22	21.34	20.77

Conducted Power of LTE Band 13(dBm)							
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel 23205	Channel 23230	Channel 23255
5MHz	QPSK	1	0	0	22.97	22.75	23.04
			13	0	22.89	23.12	23.34
			24	0	23.01	23.25	**23.35**
		12	0	1	21.61	21.87	22.14
			6	1	21.60	21.86	22.11
			13	1	21.91	22.19	22.26
		25	0	1	21.79	22.00	22.17
	16QAM	1	0	1	21.62	21.77	21.96
			13	1	22.01	22.16	22.27
			24	1	22.16	22.14	22.28
		12	0	2	20.68	20.93	21.05
			6	2	20.64	20.91	21.01
			13	2	20.98	21.14	21.15
		25	0	2	20.80	21.11	21.16

Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel 23230
10MHz	QPSK	1	0	0	22.51
			25	0	23.13
			49	0	23.34
		25	0	1	21.77
			13	1	21.77
			25	1	22.23
		50	0	1	22.01
	16QAM	1	0	1	21.66
			25	1	22.26
			49	1	22.46
		25	0	2	20.81
			13	2	20.84
			25	2	21.14
		50	0	2	20.98

Conducted Power of LTE Band 17(dBm)							
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel	Channel	Channel
					23755	23790	23825
5MHz	QPSK	1	0	0	**23.76**	23.37	23.08
			13	0	23.46	23.42	22.95
			24	0	23.37	23.02	22.49
		12	0	1	22.50	22.33	22.11
			6	1	22.49	22.39	22.13
			13	1	22.59	22.27	21.69
		25	0	1	22.53	22.32	21.90
	16QAM	1	0	1	22.51	22.52	22.16
			13	1	22.85	22.52	22.00
			24	1	22.77	22.06	21.52
		12	0	2	21.53	21.41	21.08
			6	2	21.50	21.42	21.13
			13	2	21.66	21.31	20.64
		25	0	2	21.60	21.38	20.94
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel	Channel	Channel
					23780	23790	23800
10MHz	QPSK	1	0	0	23.29	23.23	23.40
			25	0	23.54	23.36	23.31
			49	0	22.87	22.70	22.58
		25	0	1	22.53	22.40	22.30
			13	1	22.51	22.40	22.32
			25	1	22.34	22.10	21.87
		50	0	1	22.43	22.21	22.11
	16QAM	1	0	1	22.55	22.61	22.40
			25	1	22.89	22.69	22.32
			49	1	22.07	21.85	21.55
		25	0	2	21.52	21.47	21.35
			13	2	21.58	21.43	21.34
			25	2	21.32	21.11	20.89
		50	0	2	21.40	21.24	21.15

Conducted Power of LTE Band 25(dBm)							
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel	Channel	Channel
					26047	26365	26683
1.4MHz	QPSK	1	0	0	22.95	22.65	22.15
			2	0	22.78	22.65	22.28
			5	0	22.47	22.63	22.16
		3	0	0	22.48	22.63	22.18
			1	0	22.51	22.64	22.19
			3	0	22.49	22.66	22.25
		6	0	1	21.56	21.71	21.26
	16QAM	1	0	1	22.01	21.47	21.16
			2	1	21.71	21.55	21.47
			5	1	21.49	21.45	21.22
		3	0	1	21.32	21.44	21.03
			1	1	21.32	21.41	21.03
			3	1	21.33	21.38	21.01
		6	0	2	20.41	20.64	20.24
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel	Channel	Channel
					26055	26365	26675
3MHz	QPSK	1	0	0	22.44	22.89	22.26
			8	0	22.45	22.61	22.15
			14	0	22.42	22.57	22.17
		8	0	1	21.40	21.65	21.13
			4	1	21.45	21.67	21.14
			7	1	21.46	21.65	21.16
		15	0	1	21.36	21.56	21.06
	16QAM	1	0	1	21.60	21.79	21.05
			8	1	21.54	21.67	21.06
			14	1	21.51	21.63	21.10
		8	0	2	20.45	20.64	20.08
			4	2	20.42	20.62	20.09
			7	2	20.43	20.54	20.12
		15	0	2	20.32	20.40	19.98

Conducted Power of LTE Band 25(dBm)							
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel	Channel	Channel
					26065	26365	26665
5MHz	QPSK	1	0	0	22.42	22.99	22.39
			12	0	22.51	22.68	22.22
			24	0	22.40	22.53	22.16
		12	0	1	21.42	21.65	21.10
			6	1	21.42	21.66	21.08
			13	1	21.40	21.56	21.12
		25	0	1	21.42	21.65	21.10
	16QAM	1	0	1	21.35	21.85	21.06
			12	1	21.45	21.83	21.19
			24	1	21.36	21.67	21.14
		12	0	2	20.32	20.63	20.03
			6	2	20.33	20.64	20.05
			13	2	20.30	20.65	20.11
		25	0	2	20.41	20.65	20.07
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel	Channel	Channel
					26090	26365	26640
10MHz	QPSK	1	0	0	22.42	22.91	22.35
			24	0	22.51	22.61	22.17
			49	0	22.52	22.45	22.16
		25	0	1	21.44	21.76	21.12
			12	1	21.44	21.74	21.10
			25	1	21.51	21.71	21.17
		50	0	1	21.46	21.66	21.13
	16QAM	1	0	1	21.53	21.90	20.94
			24	1	21.71	21.83	21.11
			49	1	21.57	21.54	21.07
		25	0	2	20.37	20.74	20.07
			12	2	20.40	20.70	20.09
			25	2	20.44	20.58	20.12
		50	0	2	20.36	20.64	20.03

Conducted Power of LTE Band 25(dBm)							
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel 26115	Channel 26365	Channel 26615
15MHz	QPSK	1	0	0	22.56	22.99	22.51
			38	0	22.48	22.64	22.08
			74	0	22.79	22.30	22.08
		38	0	1	21.65	21.73	21.17
			18	1	21.64	21.72	21.14
			37	1	21.61	21.71	21.15
		75	0	1	21.60	21.75	21.13
	16QAM	1	0	1	21.46	22.11	20.91
			38	1	21.63	21.85	20.94
			74	1	21.95	21.53	20.97
		38	0	2	21.63	21.74	21.19
			18	2	21.63	21.74	21.16
			37	2	21.59	21.71	21.13
		75	0	2	20.51	20.67	20.09
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel 26140	Channel 26365	Channel 26590
20MHz	QPSK	1	0	0	22.48	**23.25**	22.19
			49	0	22.68	22.79	22.14
			99	0	22.98	22.16	21.81
		50	0	1	21.40	21.76	21.09
			25	1	21.37	21.77	21.09
			50	1	21.96	21.46	21.02
		100	0	1	21.69	21.66	21.04
	16QAM	1	0	1	21.25	21.96	20.93
			49	1	21.71	21.95	21.11
			99	1	21.89	21.27	20.90
		50	0	2	20.32	20.76	20.08
			25	2	20.33	20.75	20.10
			50	2	20.86	20.42	19.98
		100	0	2	20.56	20.64	19.99

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	16.59
		06	2437	16.59
		11	2462	**16.74**
802.11g	6	01	2412	14.52
		06	2437	14.73
		11	2462	14.72
802.11n(20)	6.5	01	2412	14.36
		06	2437	14.65
		11	2462	14.41
802.11n(40)	13.5	03	2422	12.39
		06	2437	13.91
		09	2452	12.55

Bluetooth_V5.0(BR/EDR)

Modulation	Channel	Frequency(MHz)	Peak Power (dBm)
GFSK	0	2402	9.181
	39	2441	9.533
	78	2480	**9.667**
π /4-DQPSK	0	2402	9.363
	39	2441	9.631
	78	2480	9.321
8-DPSK	0	2402	9.434
	39	2441	9.617
	78	2480	9.330

Bluetooth_V5.0(BLE)

Modulation	Channel	Frequency(MHz)	Peak Power (dBm)
GFSK 1M	0	2402	-4.074
	19	2440	**-3.736**
	39	2480	-3.811
GFSK 2M	0	2402	-4.212
	19	2440	-3.898
	39	2480	-3.900

5GHz WIFI

Mode	channel	Frequency	Power(dBm)							
			Data Rate(bps)							
			6M	9M	12M	18M	24M	36M	48M	54M
802.11a	36	5180	12.28	12.13	12.06	11.92	11.82	11.79	11.61	11.52
	40	5200	12.13	12.00	11.87	11.87	11.70	11.65	11.44	11.40
	44	5220	12.05	11.95	11.77	11.74	11.63	11.44	11.37	11.30
	48	5240	11.90	11.78	11.63	11.51	11.46	11.31	11.27	11.13
	52	5260	12.37	12.28	12.14	12.05	11.93	11.88	11.70	11.65
	56	5280	12.64	12.54	12.42	12.23	12.18	12.15	11.96	11.90
	60	5300	12.97	12.81	12.73	12.62	12.50	12.34	12.32	12.21
	64	5320	13.22	13.09	13.01	12.96	12.75	12.67	12.53	12.47
	149	5745	13.10	12.95	12.85	12.75	12.64	12.52	12.42	12.38
	157	5785	**13.68**	13.56	13.41	13.28	13.28	13.16	13.03	12.95
	165	5825	13.42	13.28	13.19	13.05	12.93	12.85	12.78	12.67
			MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7
802.11n (20)	36	5180	12.74	12.59	12.51	12.43	12.28	12.19	12.08	11.98
	40	5200	12.60	12.47	12.35	12.28	12.17	12.08	11.95	11.87
	44	5220	12.47	12.37	12.14	12.12	12.05	11.90	11.74	11.72
	48	5240	12.31	12.19	12.02	11.97	11.87	11.78	11.62	11.54
	52	5260	12.20	12.11	11.98	11.84	11.76	11.65	11.53	11.48
	56	5280	12.15	12.05	11.95	11.78	11.69	11.63	11.42	11.41
	60	5300	12.84	12.68	12.66	12.51	12.37	12.25	12.16	12.08
	64	5320	13.05	12.92	12.85	12.73	12.58	12.48	12.35	12.30
	149	5745	13.13	12.98	12.89	12.78	12.67	12.55	12.44	12.41
	157	5785	13.49	13.37	13.25	13.10	13.09	12.97	12.87	12.76
	165	5825	13.30	13.16	13.08	12.94	12.81	12.73	12.64	12.55
			MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7
802.11n (40)	38	5190	11.97	11.82	11.75	11.66	11.54	11.42	11.34	11.21
	46	5230	11.38	11.25	11.12	11.06	10.95	10.86	10.65	10.65
	54	5270	11.67	11.57	11.39	11.32	11.28	11.10	10.91	10.92
	62	5310	11.08	10.96	10.81	10.74	10.64	10.55	10.45	10.31
	151	5755	12.31	12.22	12.08	11.95	11.82	11.76	11.68	11.59
	159	5795	13.50	13.40	13.28	13.13	13.06	12.98	12.86	12.76

Mode	channel	Frequency	Power(dBm)							
			Data Rate(bps)							
			MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7
802.11ac (20)	36	5180	11.89	11.74	11.63	11.58	11.43	11.35	11.22	11.13
	40	5200	11.50	11.37	11.25	11.18	11.07	10.94	10.81	10.77
	44	5220	11.39	11.29	11.14	11.04	10.97	10.85	10.71	10.64
	48	5240	11.10	10.98	10.82	10.76	10.66	10.56	10.47	10.33
	52	5260	10.19	10.10	9.98	9.83	9.75	9.65	9.52	9.47
	56	5280	10.57	10.47	10.35	10.20	10.11	10.07	9.89	9.83
	60	5300	10.84	10.68	10.66	10.51	10.37	10.24	10.19	10.08
	64	5320	10.94	10.81	10.74	10.62	10.47	10.35	10.25	10.19
	149	5745	11.11	10.96	10.81	10.76	10.65	10.57	10.43	10.39
	157	5785	11.50	11.38	11.27	11.11	11.10	10.91	10.85	10.77
	165	5825	11.35	11.21	11.15	10.99	10.86	10.78	10.71	10.60
			MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7
802.11ac (40)	38	5190	11.85	11.74	11.63	11.56	11.39	11.35	11.18	11.09
	46	5230	11.31	11.11	11.05	10.95	10.88	10.72	10.62	10.58
	54	5270	10.66	10.55	10.38	10.32	10.24	10.05	9.98	9.91
	62	5310	11.16	11.02	10.89	10.89	10.72	10.64	10.53	10.39
	151	5755	11.36	11.28	11.13	11.05	10.92	10.88	10.69	10.64
	159	5795	11.58	11.46	11.36	11.28	11.12	11.04	10.90	10.84
			MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7
802.11ac (80)	42	5210	11.04	10.89	10.85	10.73	10.58	10.45	10.37	10.23
	58	5290	11.28	11.15	11.07	10.96	10.85	10.74	10.59	10.55
	155	5775	11.89	11.79	11.64	11.54	11.47	11.38	11.21	11.18

13. TEST RESULTS

13.1. SAR Test Results Summary

13.1.1. Test position and configuration

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

13.1.2. Operation Mode

1. Per KDB 447498 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 941225 D06 V02r01, When the same wireless mode transmission configurations for voice and data are required for SAR measurements, the more conservative configuration with a smaller separation distance should be tested for the overlapping SAR configurations.
7. 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)]
8. Proximity sensor, just for avoiding the wrong operation in the phone screen when call, and has no influence on output power or SAR result
9. 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.
10. Per KDB 941125 D05v02r05, 50% RB allocation for QPSK SAR testing follows 1RB QPSK allocation procedure.
11. 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.

12. 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.
13. 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 D05v02r03, smaller bandwidth SAR testing is not required.

13.1.3. Test Result

SAR MEASUREMENT									
Depth of Liquid (cm):>15				Relative Humidity (%): 51.7					
Product: 4G Smart Phone									
Test Mode: GSM850 with GMSK modulation									
Position	**Mode**	**Ch.**	**Fr. (MHz)**	**Power Drift (<±0.2 dB)**	**SAR (1g) (W/kg)**	**Max. Tune-up Power (dBm)**	**Meas. output Power (dBm)**	**Scaled SAR (W/kg)**	**Limit (W/kg)**
SIM 1 Card									
Left Cheek	voice	190	836.6	0.18	0.321	31.30	30.66	0.372	1.6
Left Tilt	voice	190	836.6	0.03	0.192	31.30	30.66	0.222	1.6
Right Cheek	voice	190	836.6	0.19	**0.386**	31.30	30.66	**0.447**	1.6
Right Tilt	voice	190	836.6	0.15	0.153	31.30	30.66	0.177	1.6
Body back	voice	190	836.6	0.04	0.450	31.30	30.66	0.521	1.6
Body front	voice	190	836.6	0.06	0.334	31.30	30.66	0.387	1.6
Body back	GPRS-2 slot	190	836.6	-0.08	**0.717**	30.80	30.42	**0.783**	1.6
Body front	GPRS-2 slot	190	836.6	0.08	0.505	30.80	30.42	0.551	1.6
Edge 2(Right)	GPRS-2 slot	190	836.6	0.13	0.299	30.80	30.42	0.326	1.6
Edge 3(Bottom)	GPRS-2 slot	190	836.6	-0.13	0.448	30.80	30.42	0.489	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 (%): 52.3					
Product: 4G Smart Phone									
Test Mode: PCS1900 with GMSK modulation									
Position	**Mode**	**Ch.**	**Fr. (MHz)**	**Power Drift (<±0.2 dB)**	**SAR (1g) (W/kg)**	**Max. Tune-up Power (dBm)**	**Meas. output Power (dBm)**	**Scaled SAR (W/kg)**	**Limit (W/kg)**
SIM 1 Card									
Left Cheek	voice	661	1880.0	0.05	**0.074**	30.00	29.93	**0.075**	1.6
Left Tilt	voice	661	1880.0	-0.19	0.040	30.00	29.93	0.041	1.6
Right Cheek	voice	661	1880.0	0.10	0.044	30.00	29.93	0.045	1.6
Right Tilt	voice	661	1880.0	0.12	0.040	30.00	29.93	0.041	1.6
Body back	voice	661	1880.0	0.08	0.721	30.00	29.93	0.733	1.6
Body front	voice	661	1880.0	-0.06	0.363	30.00	29.93	0.369	1.6
Body back	GPRS-2 slot	512	1850.2	0.19	0.843	27.50	27.36	0.871	1.6
Body back	GPRS-2 slot	661	1880.0	0.17	1.050	27.50	27.42	1.070	1.6
Body back	GPRS-2 slot	810	1909.8	0.14	**1.120**	27.50	27.39	**1.149**	1.6
Body front	GPRS-2 slot	661	1880.0	-0.06	0.585	27.50	27.42	0.596	1.6
Edge 2(Right)	GPRS-2 slot	661	1880.0	0.11	0.135	27.50	27.42	0.138	1.6
Edge 3(Bottom)	GPRS-2 slot	661	1880.0	-0.03	0.840	27.50	27.36	0.868	1.6
Edge 3(Bottom)	GPRS-2 slot	661	1880.0	-0.05	1.080	27.50	27.42	1.100	1.6
Edge 3(Bottom)	GPRS-2 slot	661	1880.0	-0.09	1.100	27.50	27.39	1.128	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 (%): 52.3					
Product: 4G Smart Phone									
Test Mode: WCDMA Band II with QPSK modulation									
Position	**Mode**	**Ch.**	**Fr. (MHz)**	**Power Drift (<±0.2 dB)**	**SAR (1g) (W/kg)**	**Max. Tune-up Power (dBm)**	**Meas. output Power (dBm)**	**Scaled SAR (W/kg)**	**Limit (W/kg)**
Left Cheek	RMC 12.2kbps	9400	1880	0.02	**0.138**	22.20	22.12	**0.141**	1.6
Left Tilt	RMC 12.2kbps	9400	1880	-0.07	0.029	22.20	22.12	0.030	1.6
Right Cheek	RMC 12.2kbps	9400	1880	0.10	0.078	22.20	22.12	0.079	1.6
Right Tilt	RMC 12.2kbps	9400	1880	0.14	0.053	22.20	22.12	0.054	1.6
Body back	RMC 12.2kbps	9400	1880	0.19	0.573	22.20	22.12	0.584	1.6
Body front	RMC 12.2kbps	9400	1880	0.01	0.280	22.20	22.12	0.285	1.6
Edge 2(Right)	RMC 12.2kbps	9400	1880	0.17	0.054	22.20	22.12	0.055	1.6
Edge 3(Bottom)	RMC 12.2kbps	9400	1880	0.03	**0.652**	22.20	22.12	**0.664**	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 (%): 50.8					
Product: 4G Smart Phone									
Test Mode: WCDMA Band IV with QPSK modulation									
Position	**Mode**	**Ch.**	**Fr. (MHz)**	**Power Drift (<±0.2 dB)**	**SAR (1g) (W/kg)**	**Max. Tune-up Power (dBm)**	**Meas. output Power (dBm)**	**Scaled SAR (W/kg)**	**Limit (W/kg)**
Left Cheek	RMC 12.2kbps	8662	1732.4	0.19	**0.206**	23.20	22.82	**0.225**	1.6
Left Tilt	RMC 12.2kbps	8662	1732.4	0.16	0.060	23.20	22.82	0.065	1.6
Right Cheek	RMC 12.2kbps	8662	1732.4	0.04	0.120	23.20	22.82	0.131	1.6
Right Tilt	RMC 12.2kbps	8662	1732.4	0.16	0.066	23.20	22.82	0.072	1.6
Body back	RMC 12.2kbps	8662	1732.4	0.09	0.361	23.20	22.82	0.394	1.6
Body front	RMC 12.2kbps	8662	1732.4	-0.03	0.298	23.20	22.82	0.325	1.6
Edge 2(Right)	RMC 12.2kbps	8662	1732.4	0.11	0.005	23.20	22.82	0.005	1.6
Edge 3(Bottom)	RMC 12.2kbps	8662	1732.4	0.03	**0.507**	23.20	22.82	**0.553**	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 (%): 51.7					
Product: 4G Smart Phone									
Test Mode: WCDMA Band V with QPSK modulation									
Position	**Mode**	**Ch.**	**Fr. (MHz)**	**Power Drift (<±0.2 dB)**	**SAR (1g) (W/kg)**	**Max. Tune-up Power (dBm)**	**Meas. output Power (dBm)**	**Scaled SAR (W/kg)**	**Limit (W/kg)**
Left Cheek	RMC 12.2kbps	4183	836.6	-0.15	**0.245**	23.30	22.61	**0.287**	1.6
Left Tilt	RMC 12.2kbps	4183	836.6	0.16	0.054	23.30	22.61	0.063	1.6
Right Cheek	RMC 12.2kbps	4183	836.6	0.10	0.200	23.30	22.61	0.234	1.6
Right Tilt	RMC 12.2kbps	4183	836.6	0.19	0.136	23.30	22.61	0.159	1.6
Body back	RMC 12.2kbps	4183	836.6	0.04	**0.473**	23.30	22.61	**0.554**	1.6
Body front	RMC 12.2kbps	4183	836.6	-0.03	0.406	23.30	22.61	0.476	1.6
Edge 2(Right)	RMC 12.2kbps	4183	836.6	0.13	0.146	23.30	22.61	0.171	1.6
Edge 3(Bottom)	RMC 12.2kbps	4183	836.6	0.14	0.435	23.30	22.61	0.510	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 (%): 56.4							
Product: 4G Smart Phone												
Test Mode: LTE Band 2												
BM MHz	MOD	Position	Test Mode		Ch.	Freq. (MHz)	Power Drift (<±0.2 dB)	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 Allocation								
20	QPSK	Left Cheek	1	0	18900	1880	0.03	**0.235**	23.00	22.71	**0.251**	1.6
		Left Tilt	1	0	18900	1880	0.07	0.042	23.00	22.71	0.045	1.6
		Right Cheek	1	0	18900	1880	0.02	0.151	23.00	22.71	0.161	1.6
		Right Tilt	1	0	18900	1880	0.10	0.067	23.00	22.71	0.072	1.6
		Body back	1	0	18900	1880	0.19	**0.706**	23.00	22.71	**0.755**	1.6
		Body front	1	0	18900	1880	-0.02	0.347	23.00	22.71	0.371	1.6
		Edge 2(Right)	1	0	18900	1880	0.10	0.020	23.00	22.71	0.021	1.6
		Edge 3(Bottom)	1	0	18900	1880	-0.13	0.384	23.00	22.71	0.411	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 (%): 50.8							
Product: 4G Smart Phone												
Test Mode: LTE Band 4												
BM MHz	MOD	Position	Test Mode		Ch.	Freq. (MHz)	Power Drift (<±0.2 dB)	SAR (1g) (W/kg)	Max. Tuneup Power (dBm)	Meas. output Power (dBm)	Scaled SAR (W/kg)	Limit (W/kg)
			UL RB Allocation	UL RB START								
20	QPSK	Left Cheek	1	0	20175	1732.5	0.06	**0.365**	23.10	22.58	**0.411**	1.6
		Left Tilt	1	0	20175	1732.5	0.19	0.038	23.10	22.58	0.043	1.6
		Right Cheek	1	0	20175	1732.5	-0.03	0.235	23.10	22.58	0.265	1.6
		Right Tilt	1	0	20175	1732.5	0.13	0.084	23.10	22.58	0.095	1.6
		Body back	1	0	20175	1732.5	0.17	**0.678**	23.10	22.58	**0.764**	1.6
		Body front	1	0	20175	1732.5	0.01	0.480	23.10	22.58	0.541	1.6
		Edge 2(Right)	1	0	20175	1732.5	0.04	0.061	23.10	22.58	0.069	1.6
		Edge 3(Bottom)	1	0	20175	1732.5	0.01	0.283	23.10	22.58	0.319	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 (%): 46.1							
Product: 4G Smart Phone												
Test Mode: LTE Band 5												
BM MHz	MOD	Position	Test Mode		Ch.	Freq. (MHz)	Power Drift (<±0.2 dB)	SAR (1g) (W/kg)	Max. Tuneup Power (dBm)	Meas. output Power (dBm)	Scaled SAR (W/kg)	Limit (W/kg)
			UL RB Allocation	UL RB START								
10	QPSK	Left Cheek	1	0	20525	836.5	0.12	**0.237**	23.80	22.96	**0.288**	1.6
		Left Tilt	1	0	20525	836.5	0.06	0.115	23.80	22.96	0.140	1.6
		Right Cheek	1	0	20525	836.5	0.16	0.224	23.80	22.96	0.272	1.6
		Right Tilt	1	0	20525	836.5	0.01	0.136	23.80	22.96	0.165	1.6
		Body back	1	0	20525	836.5	-0.10	0.249	23.80	22.96	0.302	1.6
		Body front	1	0	20525	836.5	-0.04	**0.280**	23.80	22.96	**0.340**	1.6
		Edge 2(Right)	1	0	20525	836.5	0.09	0.171	23.80	22.96	0.207	1.6
		Edge 3(Bottom)	1	0	20525	836.5	-0.10	0.229	23.80	22.96	0.278	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 (%): 46.2								
Product: 4G Smart Phone												
Test Mode: LTE Band 12												
BM MHz	MOD	Position	Test Mode		Ch.	Freq. (MHz)	Power Drift (<±0.2 dB)	SAR (1g) (W/kg)	Max. Tuneup Power (dBm)	Meas. output Power (dBm)	Scaled SAR (W/kg)	Limit (W/kg)
			UL RB Allocation	UL RB START								
10	QPSK	Left Cheek	1	0	23095	707.5	0.15	0.069	23.40	22.99	0.076	1.6
		Left Tilt	1	0	23095	707.5	0.18	0.029	23.40	22.99	0.032	1.6
		Right Cheek	1	0	23095	707.5	0.05	**0.081**	23.40	22.99	**0.089**	1.6
		Right Tilt	1	0	23095	707.5	0.12	0.036	23.40	22.99	0.040	1.6
		Body back	1	0	23095	707.5	-0.08	**0.115**	23.40	22.99	**0.126**	1.6
		Body front	1	0	23095	707.5	-0.07	0.090	23.40	22.99	0.099	1.6
		Edge 2(Right)	1	0	23095	707.5	0.03	0.076	23.40	22.99	0.084	1.6
		Edge 3(Bottom)	1	0	23095	707.5	0.06	0.027	23.40	22.99	0.030	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 (%): 46.2								
Product: 4G Smart Phone												
Test Mode: LTE Band 13												
BM MHz	MOD	Position	Test Mode		Ch.	Freq. (MHz)	Power Drift (<±0.2 dB)	SAR (1g) (W/kg)	Max. Tuneup Power (dBm)	Meas. output Power (dBm)	Scaled SAR (W/kg)	Limit (W/kg)
			UL RB Allocation	UL RB START								
10	QPSK	Left Cheek	1	0	23230	782	0.04	**0.077**	23.40	22.51	**0.095**	1.6
		Left Tilt	1	0	23230	782	0.18	0.047	23.40	22.51	0.058	1.6
		Right Cheek	1	0	23230	782	-0.01	0.029	23.40	22.51	0.036	1.6
		Right Tilt	1	0	23230	782	0.10	0.018	23.40	22.51	0.022	1.6
		Body back	1	0	23230	782	0.18	**0.097**	23.40	22.51	**0.119**	1.6
		Body front	1	0	23230	782	0.17	0.067	23.40	22.51	0.082	1.6
		Edge 2(Right)	1	0	23230	782	0.01	0.024	23.40	22.51	0.029	1.6
		Edge 3(Bottom)	1	0	23230	782	-0.15	0.044	23.40	22.51	0.054	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 (%): 46.2							
Product: 4G Smart Phone												
Test Mode: LTE Band 17												
BM MHz	MOD	Position	Test Mode		Ch.	Freq. (MHz)	Power Drift (<±0.2 dB)	SAR (1g) (W/kg)	Max. Tuneup Power (dBm)	Meas. output Power (dBm)	Scaled SAR (W/kg)	Limit (W/kg)
			UL RB Allocation	UL RB START								
10	QPSK	Left Cheek	1	0	23790	710	0.13	0.029	23.80	23.23	0.033	1.6
		Left Tilt	1	0	23790	710	0.05	0.027	23.80	23.23	0.031	1.6
		Right Cheek	1	0	23790	710	0.11	**0.030**	23.80	23.23	**0.034**	1.6
		Right Tilt	1	0	23790	710	0.19	0.018	23.80	23.23	0.021	1.6
		Body back	1	0	23790	710	0.07	0.054	23.80	23.23	0.062	1.6
		Body front	1	0	23790	710	0.18	0.043	23.80	23.23	0.049	1.6
		Edge 2(Right)	1	0	23790	710	0.17	0.028	23.80	23.23	0.032	1.6
		Edge 3(Bottom)	1	0	23790	710	0.02	**0.069**	23.80	23.23	**0.079**	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 (%): 56.4								
Product: 4G Smart Phone												
Test Mode: LTE Band 25												
BM MHz	MOD	Position	Test Mode		Ch.	Freq. (MHz)	Power Drift (<±0.2 dB)	SAR (1g) (W/kg)	Max. Tuneup Power (dBm)	Meas. output Power (dBm)	Scaled SAR (W/kg)	Limit (W/kg)
			UL RB Allocation	UL RB START								
10	QPSK	Left Cheek	1	0	26365	1882.5	0.14	**0.187**	23.30	23.25	**0.189**	1.6
		Left Tilt	1	0	26365	1882.5	0.13	0.085	23.30	23.25	0.086	1.6
		Right Cheek	1	0	26365	1882.5	0.10	0.144	23.30	23.25	0.146	1.6
		Right Tilt	1	0	26365	1882.5	0.15	0.047	23.30	23.25	0.048	1.6
		Body back	1	0	26140	1860	0.12	0.855	23.30	23.25	0.865	1.6
		Body back	1	0	26365	1882.5	0.12	0.891	23.30	23.25	0.901	1.6
		Body back	1	0	26590	1905	0.11	**0.911**	23.30	23.25	**0.922**	1.6
		Body front	1	0	26365	1882.5	-0.04	0.542	23.30	23.25	0.548	1.6
		Edge 2(Right)	1	0	26365	1882.5	0.19	0.082	23.30	23.25	0.083	1.6
		Edge 3(Bottom)	1	0	26365	1882.5	0.06	0.766	23.30	23.25	0.775	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 (%): 49.1					
Product: 4G Smart Phone									
Test Mode:802.11b									
Position	**Mode**	**Ch.**	**Fr. (MHz)**	**Power Drift (<±0.2 dB)**	**SAR (1g) (W/kg)**	**Max. Tune-up Power (dBm)**	**Meas. output Power (dBm)**	**Scaled SAR (W/kg)**	**Limit (W/kg)**
Left Cheek	DTS	6	2437	0.12	**0.385**	16.80	16.59	**0.404**	1.6
Left Tilt	DTS	6	2437	0.18	0.283	16.80	16.59	0.297	1.6
Right Cheek	DTS	6	2437	0.14	0.244	16.80	16.59	0.256	1.6
Right Tilt	DTS	6	2437	0.08	0.206	16.80	16.59	0.216	1.6
Body back	DTS	6	2437	0.07	0.108	16.80	16.59	0.113	1.6
Body front	DTS	6	2437	-0.10	0.134	16.80	16.59	0.141	1.6
Edge 1 (Top)	DTS	6	2437	-0.08	**0.141**	16.80	16.59	**0.148**	1.6
Edge 2(Right)	DTS	6	2437	0.10	0.067	16.80	16.59	0.070	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 (%): 50.8					
Product: 4G Smart Phone								
Test Mode: 5.2GHz WIFI-802.11a								
Position	**Ch.**	**Fr. (MHz)**	**Power Drift (<±0.2dB)**	**SAR (1g) (W/kg)**	**Max. Tune-up Power (dBm)**	**Meas. output Power (dBm)**	**Scaled SAR (W/kg)**	**Limit (W/kg)**
Left Cheek	40	5200	0.04	**0.087**	12.20	12.13	**0.088**	1.6
Left Tilt	40	5200	0.07	0.044	12.20	12.13	0.045	1.6
Right Cheek	40	5200	0.11	0.084	12.20	12.13	0.085	1.6
Right Tilt	40	5200	0.05	0.046	12.20	12.13	0.047	1.6
Body back	40	5200	0.10	0.038	12.20	12.13	0.039	1.6
Body front	40	5200	0.13	0.046	12.20	12.13	0.047	1.6
Edge 1 (Top)	40	5200	0.12	**0.066**	12.20	12.13	**0.067**	1.6
Edge 2(Right)	40	5200	0.10	0.048	12.20	12.13	0.049	1.6

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

SAR MEASUREMENT								
Depth of Liquid (cm):>15				Relative Humidity (%): 51.7				
Product: 4G Smart Phone								
Test Mode:5.3GHz WIFI-802.11a								
Position	**Ch.**	**Fr. (MHz)**	**Power Drift (<±0.2dB)**	**SAR (1g) (W/kg)**	**Max. Tune-up Power (dBm)**	**Meas. output Power (dBm)**	**Scaled SAR (W/kg)**	**Limit (W/kg)**
Left Cheek	56	5280	0.12	0.059	12.70	12.64	0.060	1.6
Left Tilt	56	5280	0.09	**0.091**	12.70	12.64	**0.092**	1.6
Right Cheek	56	5280	0.11	0.038	12.70	12.64	0.039	1.6
Right Tilt	56	5280	0.06	0.035	12.70	12.64	0.035	1.6
Body back	56	5280	0.18	0.064	12.70	12.64	0.065	1.6
Body front	56	5280	0.01	**0.074**	12.70	12.64	**0.075**	1.6
Edge 1 (Top)	56	5280	-0.10	0.051	12.70	12.64	0.052	1.6
Edge 2(Right)	56	5280	0.16	0.038	12.70	12.64	0.039	1.6

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

SAR MEASUREMENT								
Depth of Liquid (cm):>15				Relative Humidity (%): 49.1				
Product: 4G Smart Phone								
Test Mode: 5.8GHz WIFI-802.11a								
Position	**Ch.**	**Fr. (MHz)**	**Power Drift (<±0.2dB)**	**SAR (1g) (W/kg)**	**Max. Tune-up Power (dBm)**	**Meas. output Power (dBm)**	**Scaled SAR (W/kg)**	**Limit (W/kg)**
Left Cheek	157	5785	0.10	0.028	13.70	13.68	0.028	1.6
Left Tilt	157	5785	-0.10	0.078	13.70	13.68	0.078	1.6
Right Cheek	157	5785	0.06	**0.083**	13.70	13.68	**0.083**	1.6
Right Tilt	157	5785	-0.11	0.063	13.70	13.68	0.063	1.6
Body back	157	5785	0.09	**0.049**	13.70	13.68	**0.049**	1.6
Body front	157	5785	-0.18	0.028	13.70	13.68	0.028	1.6
Edge 1 (Top)	157	5785	-0.07	0.027	13.70	13.68	0.027	1.6
Edge 2(Right)	157	5785	0.03	0.026	13.70	13.68	0.026	1.6

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

Repeated SAR											
Product: 4G Smart Phone											
Test Mode: PCS1900& LTE Band 25											
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**
Body back	GPRS-2 slot		810	1909.8	-0.14	**1.05**	--	--	--	--	1.6
Position	**Mode**		**Ch.**	**Fr. (MHz)**	**Power Drift (<±5%)**	**Once SAR (1g) (W/kg)**	**Power Drift (<±5%)**	**Twice SAR (1g) (W/kg)**	**Power Drift (<±5%)**	**Third SAR (1g) (W/kg)**	**Limit W/kg**
	UL RB Allocation	**UL RB START**									
Body back	1	0	26590	1905	0.10	**0.880**	--	--	--	--	1.6

The second repeated SAR judge reference								
Product: 4G Smart Phone								
Band	**Position**	**Mode**	**Ch.**	**Fr. (MHz)**	**Orignal SAR (1g) (W/kg)**	**First SAR (1g) (W/kg)**	**Ratio**	**Limit**
PCS1900	Body back	GPRS-2 slot	810	1909.8	1.120	**1.05**	1.067	<1.2
Band	**Position**	**Mode**	**Ch.**	**Fr. (MHz)**	**Orignal SAR (1g) (W/kg)**	**First SAR (1g) (W/kg)**	**Ratio**	**Limit**
		UL RB Allocation / **UL RB START**						
LTE Band 25	Body back	1 / 0	26590	1905	0.911	**0.880**	1.035	<1.2

Simultaneous Multi-band Transmission Evaluation:

Application Simultaneous Transmission information:

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

NOTE:

1. WIFI and BT share the same antenna, and cannot transmit simultaneously.
2. Simultaneous with every transmitter must be the same test position.
3. KDB 447498 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 0mm for head SAR and 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	Head	10	10	0	0.420
	Body	10	10	10	0.210

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

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		GSM 850	2.4GHz Wi-Fi DTS Band	Bluetooth		
Head (voice)	Left Touch	0.372	0.404		0.776	No
	Left Tilt	0.222	0.297		0.519	No
	Right Touch	0.447	0.256		0.703	No
	Right Tilt	0.177	0.216		0.393	No
	Left Touch	0.372		0.420	0.792	No
	Left Tilt	0.222		0.420	0.642	No
	Right Touch	0.447		0.420	0.867	No
	Right Tilt	0.177		0.420	0.597	No
Body-worn (voice)	Rear	0.521	0.113		0.634	No
		0.521		0.210	0.731	No
	Front	0.387	0.141		0.528	No
		0.387		0.210	0.597	No
Body-worn (Data)	Rear	0.783		0.210	0.993	No
		0.783	0.113		0.896	No
	Front	0.551		0.210	0.761	No
		0.551	0.141		0.692	No
Body-worn (Hotspot)	Edge 2	0.326	0.070		0.396	No
	Edge 2	0.326		0.210	0.536	No

Note:

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

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

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

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		PCS 1900	2.4GHz Wi-Fi DTS Band	Bluetooth		
Head (voice)	Left Touch	0.075	0.404		0.479	No
	Left Tilt	0.041	0.297		0.338	No
	Right Touch	0.045	0.256		0.301	No
	Right Tilt	0.041	0.216		0.257	No
	Left Touch	0.075		0.420	0.495	No
	Left Tilt	0.041		0.420	0.461	No
	Right Touch	0.045		0.420	0.465	No
	Right Tilt	0.041		0.420	0.461	No
Body-worn (voice)	Rear	0.733	0.113		0.846	No
		0.733		0.210	0.943	No
	Front	0.369	0.141		0.510	No
		0.369		0.210	0.579	No
Body-worn (Data)	Rear	1.149		0.210	**1.359**	No
		1.149	0.113		1.262	No
	Front	0.596		0.210	0.806	No
		0.596	0.141		0.737	No
Body-worn (Hotspot)	Edge 2	0.138	0.070		0.208	No
	Edge 2	0.138		0.210	0.348	No

Note:

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

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

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		WCDMA Band II	2.4GHz Wi-Fi DTS Band	Bluetooth		
Head	Left Touch	0.141	0.404		0.545	No
	Left Tilt	0.030	0.297		0.327	No
	Right Touch	0.079	0.256		0.335	No
	Right Tilt	0.054	0.216		0.270	No
	Left Touch	0.141		0.420	0.561	No
	Left Tilt	0.030		0.420	0.450	No
	Right Touch	0.079		0.420	0.499	No
	Right Tilt	0.054		0.420	0.474	No
Body-worn	Rear	0.584	0.113		0.697	No
	Front	0.285	0.141		0.426	No
	Edge 2	0.055	0.070		0.125	No
	Rear	0.584		0.210	0.794	No
	Front	0.285		0.210	0.495	No
	Edge 2	0.055		0.210	0.265	No

Note:

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

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

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		WCDMA Band IV	2.4GHz Wi-Fi DTS Band	Bluetooth		
Head	Left Touch	0.225	0.404		0.629	No
	Left Tilt	0.065	0.297		0.362	No
	Right Touch	0.131	0.256		0.387	No
	Right Tilt	0.072	0.216		0.288	No
	Left Touch	0.225		0.420	0.645	No
	Left Tilt	0.065		0.420	0.485	No
	Right Touch	0.131		0.420	0.551	No
	Right Tilt	0.072		0.420	0.492	No
Body-worn	Rear	0.394	0.113		0.507	No
	Front	0.325	0.141		0.466	No
	Edge 2	0.005	0.070		0.075	No
	Rear	0.394		0.210	0.604	No
	Front	0.325		0.210	0.535	No
	Edge 2	0.005		0.210	0.215	No

Note:

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

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

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		WCDMA Band V	2.4GHz Wi-Fi DTS Band	Bluetooth		
Head	Left Touch	0.287	0.404		0.691	No
	Left Tilt	0.063	0.297		0.360	No
	Right Touch	0.234	0.256		0.490	No
	Right Tilt	0.159	0.216		0.375	No
	Left Touch	0.287		0.420	0.707	No
	Left Tilt	0.063		0.420	0.483	No
	Right Touch	0.234		0.420	0.654	No
	Right Tilt	0.159		0.420	0.579	No
Body-worn	Rear	0.554	0.113		0.667	No
	Front	0.476	0.141		0.617	No
	Edge 2	0.171	0.070		0.241	No
	Rear	0.554		0.210	0.764	No
	Front	0.476		0.210	0.686	No
	Edge 2	0.171		0.210	0.381	No

Note:

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

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

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 2	2.4GHz Wi-Fi DTS Band	Bluetooth		
Head	Left Touch	0.251	0.404		0.655	No
	Left Tilt	0.045	0.297		0.342	No
	Right Touch	0.161	0.256		0.417	No
	Right Tilt	0.072	0.216		0.288	No
	Left Touch	0.251		0.420	0.671	No
	Left Tilt	0.045		0.420	0.465	No
	Right Touch	0.161		0.420	0.581	No
	Right Tilt	0.072		0.420	0.492	No
Body-worn	Rear	0.755	0.113		0.868	No
	Front	0.371	0.141		0.512	No
	Edge 2	0.021	0.070		0.091	No
	Rear	0.755		0.210	0.965	No
	Front	0.371		0.210	0.581	No
	Edge 2	0.021		0.210	0.231	No

Note:

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

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

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 4	2.4GHz Wi-Fi DTS Band	Bluetooth		
Head	Left Touch	0.411	0.404		0.815	No
	Left Tilt	0.043	0.297		0.340	No
	Right Touch	0.265	0.256		0.521	No
	Right Tilt	0.095	0.216		0.311	No
	Left Touch	0.411		0.420	0.831	No
	Left Tilt	0.043		0.420	0.463	No
	Right Touch	0.265		0.420	0.685	No
	Right Tilt	0.095		0.420	0.515	No
Body-worn	Rear	0.764	0.113		0.877	No
	Front	0.541	0.141		0.682	No
	Edge 2	0.069	0.070		0.139	No
	Rear	0.764		0.210	0.974	No
	Front	0.541		0.210	0.751	No
	Edge 2	0.069		0.210	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 5 &2.4GHz Wi-Fi & BT:

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 5	2.4GHz Wi-Fi DTS Band	Bluetooth		
Head	Left Touch	0.288	0.404		0.692	No
	Left Tilt	0.140	0.297		0.437	No
	Right Touch	0.272	0.256		0.528	No
	Right Tilt	0.165	0.216		0.381	No
	Left Touch	0.288		0.420	0.708	No
	Left Tilt	0.140		0.420	0.560	No
	Right Touch	0.272		0.420	0.692	No
	Right Tilt	0.165		0.420	0.585	No
Body-worn	Rear	0.302	0.113		0.415	No
	Front	0.340	0.141		0.481	No
	Edge 2	0.207	0.070		0.277	No
	Rear	0.302		0.210	0.512	No
	Front	0.340		0.210	0.550	No
	Edge 2	0.207		0.210	0.417	No

Note:

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

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

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 12	2.4GHz Wi-Fi DTS Band	Bluetooth		
Head	Left Touch	0.076	0.404		0.480	No
	Left Tilt	0.032	0.297		0.329	No
	Right Touch	0.089	0.256		0.345	No
	Right Tilt	0.040	0.216		0.256	No
	Left Touch	0.076		0.420	0.496	No
	Left Tilt	0.032		0.420	0.452	No
	Right Touch	0.089		0.420	0.509	No
	Right Tilt	0.040		0.420	0.460	No
Body-worn	Rear	0.126	0.113		0.239	No
	Front	0.099	0.141		0.240	No
	Edge 2	0.084	0.070		0.154	No
	Rear	0.126		0.210	0.336	No
	Front	0.099		0.210	0.309	No
	Edge 2	0.084		0.210	0.294	No

Note:

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

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

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 13	2.4GHz Wi-Fi DTS Band	Bluetooth		
Head	Left Touch	0.095	0.404		0.499	No
	Left Tilt	0.058	0.297		0.355	No
	Right Touch	0.036	0.256		0.292	No
	Right Tilt	0.022	0.216		0.238	No
	Left Touch	0.095		0.420	0.515	No
	Left Tilt	0.058		0.420	0.478	No
	Right Touch	0.036		0.420	0.456	No
	Right Tilt	0.022		0.420	0.442	No
Body-worn	Rear	0.119	0.113		0.232	No
	Front	0.082	0.141		0.223	No
	Edge 2	0.029	0.070		0.099	No
	Rear	0.119		0.210	0.329	No
	Front	0.082		0.210	0.292	No
	Edge 2	0.029		0.210	0.239	No

Note:

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

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

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 17	2.4GHz Wi-Fi DTS Band	Bluetooth		
Head	Left Touch	0.033	0.404		0.437	No
	Left Tilt	0.031	0.297		0.328	No
	Right Touch	0.034	0.256		0.290	No
	Right Tilt	0.021	0.216		0.237	No
	Left Touch	0.033		0.420	0.453	No
	Left Tilt	0.031		0.420	0.451	No
	Right Touch	0.034		0.420	0.454	No
	Right Tilt	0.021		0.420	0.441	No
Body-worn	Rear	0.062	0.113		0.175	No
	Front	0.049	0.141		0.190	No
	Edge 2	0.032	0.070		0.102	No
	Rear	0.062		0.210	0.272	No
	Front	0.049		0.210	0.259	No
	Edge 2	0.032		0.210	0.242	No

Note:

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

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

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 25	2.4GHz Wi-Fi DTS Band	Bluetooth		
Head	Left Touch	0.189	0.404		0.593	No
	Left Tilt	0.086	0.297		0.383	No
	Right Touch	0.146	0.256		0.402	No
	Right Tilt	0.048	0.216		0.264	No
	Left Touch	0.189		0.420	0.609	No
	Left Tilt	0.086		0.420	0.506	No
	Right Touch	0.146		0.420	0.566	No
	Right Tilt	0.048		0.420	0.468	No
Body-worn	Rear	0.922	0.113		1.035	No
	Front	0.548	0.141		0.689	No
	Edge 2	0.083	0.070		0.153	No
	Rear	0.922		0.210	1.132	No
	Front	0.548		0.210	0.758	No
	Edge 2	0.083		0.210	0.293	No

Note:

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

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

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		GSM 850	5.2GHz Wi-Fi DTS Band	Bluetooth		
Head (voice)	Left Touch	0.372	0.088		0.460	No
	Left Tilt	0.222	0.045		0.267	No
	Right Touch	0.447	0.085		0.532	No
	Right Tilt	0.177	0.047		0.224	No
	Left Touch	0.372		0.420	0.792	No
	Left Tilt	0.222		0.420	0.642	No
	Right Touch	0.447		0.420	0.867	No
	Right Tilt	0.177		0.420	0.597	No
Body-worn (voice)	Rear	0.521	0.039		0.560	No
		0.521		0.210	0.731	No
	Front	0.387	0.047		0.434	No
		0.387		0.210	0.597	No
Body-worn (Data)	Rear	0.783		0.210	0.993	No
		0.783	0.039		0.822	No
	Front	0.551		0.210	0.761	No
		0.551	0.047		0.598	No
Body-worn (Hotspot)	Edge 2	0.326	0.049		0.375	No
	Edge 2	0.326		0.210	0.536	No

Note:

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

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

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

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		PCS 1900	5.2GHz Wi-Fi DTS Band	Bluetooth		
Head (voice)	Left Touch	0.075	0.088		0.163	No
	Left Tilt	0.041	0.045		0.086	No
	Right Touch	0.045	0.085		0.130	No
	Right Tilt	0.041	0.047		0.088	No
	Left Touch	0.075		0.420	0.495	No
	Left Tilt	0.041		0.420	0.461	No
	Right Touch	0.045		0.420	0.465	No
	Right Tilt	0.041		0.420	0.461	No
Body-worn (voice)	Rear	0.733	0.039		0.772	No
		0.733		0.210	0.943	No
	Front	0.369	0.047		0.416	No
		0.369		0.210	0.579	No
Body-worn (Data)	Rear	1.149		0.210	1.359	No
		1.149	0.039		1.188	No
	Front	0.596		0.210	0.806	No
		0.596	0.047		0.643	No
Body-worn (Hotspot)	Edge 2	0.138	0.049		0.187	No
	Edge 2	0.138		0.210	0.348	No

Note:

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

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

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		WCDMA Band II	5.2GHz Wi-Fi DTS Band	Bluetooth		
Head	Left Touch	0.141	0.088		0.229	No
	Left Tilt	0.030	0.045		0.075	No
	Right Touch	0.079	0.085		0.164	No
	Right Tilt	0.054	0.047		0.101	No
	Left Touch	0.141		0.420	0.561	No
	Left Tilt	0.030		0.420	0.450	No
	Right Touch	0.079		0.420	0.499	No
	Right Tilt	0.054		0.420	0.474	No
Body-worn	Rear	0.584	0.039		0.623	No
	Front	0.285	0.047		0.332	No
	Edge 2	0.055	0.049		0.104	No
	Rear	0.584		0.210	0.794	No
	Front	0.285		0.210	0.495	No
	Edge 2	0.055		0.210	0.265	No

Note:

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

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

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		WCDMA Band IV	5.2GHz Wi-Fi DTS Band	Bluetooth		
Head	Left Touch	0.225	0.088		0.313	No
	Left Tilt	0.065	0.045		0.110	No
	Right Touch	0.131	0.085		0.216	No
	Right Tilt	0.072	0.047		0.119	No
	Left Touch	0.225		0.420	0.645	No
	Left Tilt	0.065		0.420	0.485	No
	Right Touch	0.131		0.420	0.551	No
	Right Tilt	0.072		0.420	0.492	No
Body-worn	Rear	0.394	0.039		0.433	No
	Front	0.325	0.047		0.372	No
	Edge 2	0.005	0.049		0.054	No
	Rear	0.394		0.210	0.604	No
	Front	0.325		0.210	0.535	No
	Edge 2	0.005		0.210	0.215	No

Note:

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

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

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		WCDMA Band V	5.2GHz Wi-Fi DTS Band	Bluetooth		
Head	Left Touch	0.287	0.088		0.375	No
	Left Tilt	0.063	0.045		0.108	No
	Right Touch	0.234	0.085		0.319	No
	Right Tilt	0.159	0.047		0.206	No
	Left Touch	0.287		0.420	0.707	No
	Left Tilt	0.063		0.420	0.483	No
	Right Touch	0.234		0.420	0.654	No
	Right Tilt	0.159		0.420	0.579	No
Body-worn	Rear	0.554	0.039		0.593	No
	Front	0.476	0.047		0.523	No
	Edge 2	0.171	0.049		0.220	No
	Rear	0.554		0.210	0.764	No
	Front	0.476		0.210	0.686	No
	Edge 2	0.171		0.210	0.381	No

Note:

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

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

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 2	5.2GHz Wi-Fi DTS Band	Bluetooth		
Head	Left Touch	0.251	0.088		0.339	No
	Left Tilt	0.045	0.045		0.090	No
	Right Touch	0.161	0.085		0.246	No
	Right Tilt	0.072	0.047		0.119	No
	Left Touch	0.251		0.420	0.671	No
	Left Tilt	0.045		0.420	0.465	No
	Right Touch	0.161		0.420	0.581	No
	Right Tilt	0.072		0.420	0.492	No
Body-worn	Rear	0.755	0.039		0.794	No
	Front	0.371	0.047		0.418	No
	Edge 2	0.021	0.049		0.070	No
	Rear	0.755		0.210	0.965	No
	Front	0.371		0.210	0.581	No
	Edge 2	0.021		0.210	0.231	No

Note:

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

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

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 4	5.2GHz Wi-Fi DTS Band	Bluetooth		
Head	Left Touch	0.411	0.088		0.499	No
	Left Tilt	0.043	0.045		0.088	No
	Right Touch	0.265	0.085		0.350	No
	Right Tilt	0.095	0.047		0.142	No
	Left Touch	0.411		0.420	0.831	No
	Left Tilt	0.043		0.420	0.463	No
	Right Touch	0.265		0.420	0.685	No
	Right Tilt	0.095		0.420	0.515	No
Body-worn	Rear	0.764	0.039		0.803	No
	Front	0.541	0.047		0.588	No
	Edge 2	0.069	0.049		0.118	No
	Rear	0.764		0.210	0.974	No
	Front	0.541		0.210	0.751	No
	Edge 2	0.069		0.210	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 5 &5.2GHz Wi-Fi & BT:

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 5	5.2GHz Wi-Fi DTS Band	Bluetooth		
Head	Left Touch	0.288	0.088		0.376	No
	Left Tilt	0.140	0.045		0.185	No
	Right Touch	0.272	0.085		0.357	No
	Right Tilt	0.165	0.047		0.212	No
	Left Touch	0.288		0.420	0.708	No
	Left Tilt	0.140		0.420	0.560	No
	Right Touch	0.272		0.420	0.692	No
	Right Tilt	0.165		0.420	0.585	No
Body-worn	Rear	0.302	0.039		0.341	No
	Front	0.340	0.047		0.387	No
	Edge 2	0.207	0.049		0.256	No
	Rear	0.302		0.210	0.512	No
	Front	0.340		0.210	0.550	No
	Edge 2	0.207		0.210	0.417	No

Note:

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

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

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 12	5.2GHz Wi-Fi DTS Band	Bluetooth		
Head	Left Touch	0.076	0.088		0.164	No
	Left Tilt	0.032	0.045		0.077	No
	Right Touch	0.089	0.085		0.174	No
	Right Tilt	0.040	0.047		0.087	No
	Left Touch	0.076		0.420	0.496	No
	Left Tilt	0.032		0.420	0.452	No
	Right Touch	0.089		0.420	0.509	No
	Right Tilt	0.040		0.420	0.460	No
Body-worn	Rear	0.126	0.039		0.165	No
	Front	0.099	0.047		0.146	No
	Edge 2	0.084	0.049		0.133	No
	Rear	0.126		0.210	0.336	No
	Front	0.099		0.210	0.309	No
	Edge 2	0.084		0.210	0.294	No

Note:

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

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

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 13	5.2GHz Wi-Fi DTS Band	Bluetooth		
Head	Left Touch	0.095	0.088		0.183	No
	Left Tilt	0.058	0.045		0.103	No
	Right Touch	0.036	0.085		0.121	No
	Right Tilt	0.022	0.047		0.069	No
	Left Touch	0.095		0.420	0.515	No
	Left Tilt	0.058		0.420	0.478	No
	Right Touch	0.036		0.420	0.456	No
	Right Tilt	0.022		0.420	0.442	No
Body-worn	Rear	0.119	0.039		0.158	No
	Front	0.082	0.047		0.129	No
	Edge 2	0.029	0.049		0.078	No
	Rear	0.119		0.210	0.329	No
	Front	0.082		0.210	0.292	No
	Edge 2	0.029		0.210	0.239	No

Note:

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

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

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 17	5.2GHz Wi-Fi DTS Band	Bluetooth		
Head	Left Touch	0.033	0.088		0.121	No
	Left Tilt	0.031	0.045		0.076	No
	Right Touch	0.034	0.085		0.119	No
	Right Tilt	0.021	0.047		0.068	No
	Left Touch	0.033		0.420	0.453	No
	Left Tilt	0.031		0.420	0.451	No
	Right Touch	0.034		0.420	0.454	No
	Right Tilt	0.021		0.420	0.441	No
Body-worn	Rear	0.062	0.039		0.101	No
	Front	0.049	0.047		0.096	No
	Edge 2	0.032	0.049		0.081	No
	Rear	0.062		0.210	0.272	No
	Front	0.049		0.210	0.259	No
	Edge 2	0.032		0.210	0.242	No

Note:

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

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

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 25	5.2GHz Wi-Fi DTS Band	Bluetooth		
Head	Left Touch	0.189	0.088		0.277	No
	Left Tilt	0.086	0.045		0.131	No
	Right Touch	0.146	0.085		0.231	No
	Right Tilt	0.048	0.047		0.095	No
	Left Touch	0.189		0.420	0.609	No
	Left Tilt	0.086		0.420	0.506	No
	Right Touch	0.146		0.420	0.566	No
	Right Tilt	0.048		0.420	0.468	No
Body-worn	Rear	0.922	0.039		0.961	No
	Front	0.548	0.047		0.595	No
	Edge 2	0.083	0.049		0.132	No
	Rear	0.922		0.210	1.132	No
	Front	0.548		0.210	0.758	No
	Edge 2	0.083		0.210	0.293	No

Note:

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

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

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		GSM 850	5.3GHz Wi-Fi DTS Band	Bluetooth		
Head (voice)	Left Touch	0.372	0.060		0.432	No
	Left Tilt	0.222	0.092		0.314	No
	Right Touch	0.447	0.039		0.486	No
	Right Tilt	0.177	0.035		0.212	No
	Left Touch	0.372		0.420	0.792	No
	Left Tilt	0.222		0.420	0.642	No
	Right Touch	0.447		0.420	0.867	No
	Right Tilt	0.177		0.420	0.597	No
Body-worn (voice)	Rear	0.521	0.065		0.586	No
		0.521		0.210	0.731	No
	Front	0.387	0.075		0.462	No
		0.387		0.210	0.597	No
Body-worn (Data)	Rear	0.783		0.210	0.993	No
		0.783	0.065		0.848	No
	Front	0.551		0.210	0.761	No
		0.551	0.075		0.626	No
Body-worn (Hotspot)	Edge 2	0.326	0.039		0.365	No
	Edge 2	0.326		0.210	0.536	No

Note:

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

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

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

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		PCS 1900	5.3GHz Wi-Fi DTS Band	Bluetooth		
Head (voice)	Left Touch	0.075	0.060		0.135	No
	Left Tilt	0.041	0.092		0.133	No
	Right Touch	0.045	0.039		0.084	No
	Right Tilt	0.041	0.035		0.076	No
	Left Touch	0.075		0.420	0.495	No
	Left Tilt	0.041		0.420	0.461	No
	Right Touch	0.045		0.420	0.465	No
	Right Tilt	0.041		0.420	0.461	No
Body-worn (voice)	Rear	0.733	0.065		0.798	No
		0.733		0.210	0.943	No
	Front	0.369	0.075		0.444	No
		0.369		0.210	0.579	No
Body-worn (Data)	Rear	1.149		0.210	1.359	No
		1.149	0.065		1.214	No
	Front	0.596		0.210	0.806	No
		0.596	0.075		0.671	No
Body-worn (Hotspot)	Edge 2	0.138	0.039		0.177	No
	Edge 2	0.138		0.210	0.348	No

Note:

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

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

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		WCDMA Band II	5.3GHz Wi-Fi DTS Band	Bluetooth		
Head	Left Touch	0.141	0.060		0.201	No
	Left Tilt	0.030	0.092		0.122	No
	Right Touch	0.079	0.039		0.118	No
	Right Tilt	0.054	0.035		0.089	No
	Left Touch	0.141		0.420	0.561	No
	Left Tilt	0.030		0.420	0.450	No
	Right Touch	0.079		0.420	0.499	No
	Right Tilt	0.054		0.420	0.474	No
Body-worn	Rear	0.584	0.065		0.649	No
	Front	0.285	0.075		0.360	No
	Edge 2	0.055	0.039		0.094	No
	Rear	0.584		0.210	0.794	No
	Front	0.285		0.210	0.495	No
	Edge 2	0.055		0.210	0.265	No

Note:

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

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

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		WCDMA Band IV	5.3GHz Wi-Fi DTS Band	Bluetooth		
Head	Left Touch	0.225	0.060		0.285	No
	Left Tilt	0.065	0.092		0.157	No
	Right Touch	0.131	0.039		0.170	No
	Right Tilt	0.072	0.035		0.107	No
	Left Touch	0.225		0.420	0.645	No
	Left Tilt	0.065		0.420	0.485	No
	Right Touch	0.131		0.420	0.551	No
	Right Tilt	0.072		0.420	0.492	No
Body-worn	Rear	0.394	0.065		0.459	No
	Front	0.325	0.075		0.400	No
	Edge 2	0.005	0.039		0.044	No
	Rear	0.394		0.210	0.604	No
	Front	0.325		0.210	0.535	No
	Edge 2	0.005		0.210	0.215	No

Note:

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

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

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		WCDMA Band V	5.3GHz Wi-Fi DTS Band	Bluetooth		
Head	Left Touch	0.287	0.060		0.347	No
	Left Tilt	0.063	0.092		0.155	No
	Right Touch	0.234	0.039		0.273	No
	Right Tilt	0.159	0.035		0.194	No
	Left Touch	0.287		0.420	0.707	No
	Left Tilt	0.063		0.420	0.483	No
	Right Touch	0.234		0.420	0.654	No
	Right Tilt	0.159		0.420	0.579	No
Body-worn	Rear	0.554	0.065		0.619	No
	Front	0.476	0.075		0.551	No
	Edge 2	0.171	0.039		0.210	No
	Rear	0.554		0.210	0.764	No
	Front	0.476		0.210	0.686	No
	Edge 2	0.171		0.210	0.381	No

Note:

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

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

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 2	5.3GHz Wi-Fi DTS Band	Bluetooth		
Head	Left Touch	0.251	0.060		0.311	No
	Left Tilt	0.045	0.092		0.137	No
	Right Touch	0.161	0.039		0.200	No
	Right Tilt	0.072	0.035		0.107	No
	Left Touch	0.251		0.420	0.671	No
	Left Tilt	0.045		0.420	0.465	No
	Right Touch	0.161		0.420	0.581	No
	Right Tilt	0.072		0.420	0.492	No
Body-worn	Rear	0.755	0.065		0.820	No
	Front	0.371	0.075		0.446	No
	Edge 2	0.021	0.039		0.060	No
	Rear	0.755		0.210	0.965	No
	Front	0.371		0.210	0.581	No
	Edge 2	0.021		0.210	0.231	No

Note:

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

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

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 4	5.3GHz Wi-Fi DTS Band	Bluetooth		
Head	Left Touch	0.411	0.060		0.471	No
	Left Tilt	0.043	0.092		0.135	No
	Right Touch	0.265	0.039		0.304	No
	Right Tilt	0.095	0.035		0.130	No
	Left Touch	0.411		0.420	0.831	No
	Left Tilt	0.043		0.420	0.463	No
	Right Touch	0.265		0.420	0.685	No
	Right Tilt	0.095		0.420	0.515	No
Body-worn	Rear	0.764	0.065		0.829	No
	Front	0.541	0.075		0.616	No
	Edge 2	0.069	0.039		0.108	No
	Rear	0.764		0.210	0.974	No
	Front	0.541		0.210	0.751	No
	Edge 2	0.069		0.210	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 5 &5.3GHz Wi-Fi & BT:

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 5	5.3GHz Wi-Fi DTS Band	Bluetooth		
Head	Left Touch	0.288	0.060		0.348	No
	Left Tilt	0.140	0.092		0.232	No
	Right Touch	0.272	0.039		0.311	No
	Right Tilt	0.165	0.035		0.200	No
	Left Touch	0.288		0.420	0.708	No
	Left Tilt	0.140		0.420	0.560	No
	Right Touch	0.272		0.420	0.692	No
	Right Tilt	0.165		0.420	0.585	No
Body-worn	Rear	0.302	0.065		0.367	No
	Front	0.340	0.075		0.415	No
	Edge 2	0.207	0.039		0.246	No
	Rear	0.302		0.210	0.512	No
	Front	0.340		0.210	0.550	No
	Edge 2	0.207		0.210	0.417	No

Note:

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

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

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 12	5.3GHz Wi-Fi DTS Band	Bluetooth		
Head	Left Touch	0.076	0.060		0.136	No
	Left Tilt	0.032	0.092		0.124	No
	Right Touch	0.089	0.039		0.128	No
	Right Tilt	0.040	0.035		0.075	No
	Left Touch	0.076		0.420	0.496	No
	Left Tilt	0.032		0.420	0.452	No
	Right Touch	0.089		0.420	0.509	No
	Right Tilt	0.040		0.420	0.460	No
Body-worn	Rear	0.126	0.065		0.191	No
	Front	0.099	0.075		0.174	No
	Edge 2	0.084	0.039		0.123	No
	Rear	0.126		0.210	0.336	No
	Front	0.099		0.210	0.309	No
	Edge 2	0.084		0.210	0.294	No

Note:

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

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

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 13	5.3GHz Wi-Fi DTS Band	Bluetooth		
Head	Left Touch	0.095	0.060		0.155	No
	Left Tilt	0.058	0.092		0.150	No
	Right Touch	0.036	0.039		0.075	No
	Right Tilt	0.022	0.035		0.057	No
	Left Touch	0.095		0.420	0.515	No
	Left Tilt	0.058		0.420	0.478	No
	Right Touch	0.036		0.420	0.456	No
	Right Tilt	0.022		0.420	0.442	No
Body-worn	Rear	0.119	0.065		0.184	No
	Front	0.082	0.075		0.157	No
	Edge 2	0.029	0.039		0.068	No
	Rear	0.119		0.210	0.329	No
	Front	0.082		0.210	0.292	No
	Edge 2	0.029		0.210	0.239	No

Note:

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

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

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 17	5.3GHz Wi-Fi DTS Band	Bluetooth		
Head	Left Touch	0.033	0.060		0.093	No
	Left Tilt	0.031	0.092		0.123	No
	Right Touch	0.034	0.039		0.073	No
	Right Tilt	0.021	0.035		0.056	No
	Left Touch	0.033		0.420	0.453	No
	Left Tilt	0.031		0.420	0.451	No
	Right Touch	0.034		0.420	0.454	No
	Right Tilt	0.021		0.420	0.441	No
Body-worn	Rear	0.062	0.065		0.127	No
	Front	0.049	0.075		0.124	No
	Edge 2	0.032	0.039		0.071	No
	Rear	0.062		0.210	0.272	No
	Front	0.049		0.210	0.259	No
	Edge 2	0.032		0.210	0.242	No

Note:

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

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

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 25	5.3GHz Wi-Fi DTS Band	Bluetooth		
Head	Left Touch	0.189	0.060		0.249	No
	Left Tilt	0.086	0.092		0.178	No
	Right Touch	0.146	0.039		0.185	No
	Right Tilt	0.048	0.035		0.083	No
	Left Touch	0.189		0.420	0.609	No
	Left Tilt	0.086		0.420	0.506	No
	Right Touch	0.146		0.420	0.566	No
	Right Tilt	0.048		0.420	0.468	No
Body-worn	Rear	0.922	0.065		0.987	No
	Front	0.548	0.075		0.623	No
	Edge 2	0.083	0.039		0.122	No
	Rear	0.922		0.210	1.132	No
	Front	0.548		0.210	0.758	No
	Edge 2	0.083		0.210	0.293	No

Note:

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

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

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		GSM 850	5.8GHz Wi-Fi DTS Band	Bluetooth		
Head (voice)	Left Touch	0.372	0.028		0.400	No
	Left Tilt	0.222	0.078		0.300	No
	Right Touch	0.447	0.083		0.530	No
	Right Tilt	0.177	0.063		0.240	No
	Left Touch	0.372		0.420	0.792	No
	Left Tilt	0.222		0.420	0.642	No
	Right Touch	0.447		0.420	0.867	No
	Right Tilt	0.177		0.420	0.597	No
Body-worn (voice)	Rear	0.521	0.049		0.570	No
		0.521		0.210	0.731	No
	Front	0.387	0.028		0.415	No
		0.387		0.210	0.597	No
Body-worn (Data)	Rear	0.783		0.210	0.993	No
		0.783	0.049		0.832	No
	Front	0.551		0.210	0.761	No
		0.551	0.028		0.579	No
Body-worn (Hotspot)	Edge 2	0.326	0.026		0.352	No
	Edge 2	0.326		0.210	0.536	No

Note:

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

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

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

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		PCS 1900	5.8GHz Wi-Fi DTS Band	Bluetooth		
Head (voice)	Left Touch	0.075	0.028		0.103	No
	Left Tilt	0.041	0.078		0.119	No
	Right Touch	0.045	0.083		0.128	No
	Right Tilt	0.041	0.063		0.104	No
	Left Touch	0.075		0.420	0.495	No
	Left Tilt	0.041		0.420	0.461	No
	Right Touch	0.045		0.420	0.465	No
	Right Tilt	0.041		0.420	0.461	No
Body-worn (voice)	Rear	0.733	0.049		0.782	No
		0.733		0.210	0.943	No
	Front	0.369	0.028		0.397	No
		0.369		0.210	0.579	No
Body-worn (Data)	Rear	1.149		0.210	1.359	No
		1.149	0.049		1.198	No
	Front	0.596		0.210	0.806	No
		0.596	0.028		0.624	No
Body-worn (Hotspot)	Edge 2	0.138	0.026		0.164	No
	Edge 2	0.138		0.210	0.348	No

Note:

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

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

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		WCDMA Band II	5.8GHz Wi-Fi DTS Band	Bluetooth		
Head	Left Touch	0.141	0.028		0.169	No
	Left Tilt	0.030	0.078		0.108	No
	Right Touch	0.079	0.083		0.162	No
	Right Tilt	0.054	0.063		0.117	No
	Left Touch	0.141		0.420	0.561	No
	Left Tilt	0.030		0.420	0.450	No
	Right Touch	0.079		0.420	0.499	No
	Right Tilt	0.054		0.420	0.474	No
Body-worn	Rear	0.584	0.049		0.633	No
	Front	0.285	0.028		0.313	No
	Edge 2	0.055	0.026		0.081	No
	Rear	0.584		0.210	0.794	No
	Front	0.285		0.210	0.495	No
	Edge 2	0.055		0.210	0.265	No

Note:

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

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

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		WCDMA Band IV	5.8GHz Wi-Fi DTS Band	Bluetooth		
Head	Left Touch	0.225	0.028		0.253	No
	Left Tilt	0.065	0.078		0.143	No
	Right Touch	0.131	0.083		0.214	No
	Right Tilt	0.072	0.063		0.135	No
	Left Touch	0.225		0.420	0.645	No
	Left Tilt	0.065		0.420	0.485	No
	Right Touch	0.131		0.420	0.551	No
	Right Tilt	0.072		0.420	0.492	No
Body-worn	Rear	0.394	0.049		0.443	No
	Front	0.325	0.028		0.353	No
	Edge 2	0.005	0.026		0.031	No
	Rear	0.394		0.210	0.604	No
	Front	0.325		0.210	0.535	No
	Edge 2	0.005		0.210	0.215	No

Note:

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

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

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		WCDMA Band V	5.8GHz Wi-Fi DTS Band	Bluetooth		
Head	Left Touch	0.287	0.028		0.315	No
	Left Tilt	0.063	0.078		0.141	No
	Right Touch	0.234	0.083		0.317	No
	Right Tilt	0.159	0.063		0.222	No
	Left Touch	0.287		0.420	0.707	No
	Left Tilt	0.063		0.420	0.483	No
	Right Touch	0.234		0.420	0.654	No
	Right Tilt	0.159		0.420	0.579	No
Body-worn	Rear	0.554	0.049		0.603	No
	Front	0.476	0.028		0.504	No
	Edge 2	0.171	0.026		0.197	No
	Rear	0.554		0.210	0.764	No
	Front	0.476		0.210	0.686	No
	Edge 2	0.171		0.210	0.381	No

Note:

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

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

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 2	5.8GHz Wi-Fi DTS Band	Bluetooth		
Head	Left Touch	0.251	0.028		0.279	No
	Left Tilt	0.045	0.078		0.123	No
	Right Touch	0.161	0.083		0.244	No
	Right Tilt	0.072	0.063		0.135	No
	Left Touch	0.251		0.420	0.671	No
	Left Tilt	0.045		0.420	0.465	No
	Right Touch	0.161		0.420	0.581	No
	Right Tilt	0.072		0.420	0.492	No
Body-worn	Rear	0.755	0.049		0.804	No
	Front	0.371	0.028		0.399	No
	Edge 2	0.021	0.026		0.047	No
	Rear	0.755		0.210	0.965	No
	Front	0.371		0.210	0.581	No
	Edge 2	0.021		0.210	0.231	No

Note:

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

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

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 4	5.8GHz Wi-Fi DTS Band	Bluetooth		
Head	Left Touch	0.411	0.028		0.439	No
	Left Tilt	0.043	0.078		0.121	No
	Right Touch	0.265	0.083		0.348	No
	Right Tilt	0.095	0.063		0.158	No
	Left Touch	0.411		0.420	0.831	No
	Left Tilt	0.043		0.420	0.463	No
	Right Touch	0.265		0.420	0.685	No
	Right Tilt	0.095		0.420	0.515	No
Body-worn	Rear	0.764	0.049		0.813	No
	Front	0.541	0.028		0.569	No
	Edge 2	0.069	0.026		0.095	No
	Rear	0.764		0.210	0.974	No
	Front	0.541		0.210	0.751	No
	Edge 2	0.069		0.210	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 5 &5.8GHz Wi-Fi & BT:

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 5	5.8GHz Wi-Fi DTS Band	Bluetooth		
Head	Left Touch	0.288	0.028		0.316	No
	Left Tilt	0.140	0.078		0.218	No
	Right Touch	0.272	0.083		0.355	No
	Right Tilt	0.165	0.063		0.228	No
	Left Touch	0.288		0.420	0.708	No
	Left Tilt	0.140		0.420	0.560	No
	Right Touch	0.272		0.420	0.692	No
	Right Tilt	0.165		0.420	0.585	No
Body-worn	Rear	0.302	0.049		0.351	No
	Front	0.340	0.028		0.368	No
	Edge 2	0.207	0.026		0.233	No
	Rear	0.302		0.210	0.512	No
	Front	0.340		0.210	0.550	No
	Edge 2	0.207		0.210	0.417	No

Note:

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

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

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 12	5.8GHz Wi-Fi DTS Band	Bluetooth		
Head	Left Touch	0.076	0.028		0.104	No
	Left Tilt	0.032	0.078		0.110	No
	Right Touch	0.089	0.083		0.172	No
	Right Tilt	0.040	0.063		0.103	No
	Left Touch	0.076		0.420	0.496	No
	Left Tilt	0.032		0.420	0.452	No
	Right Touch	0.089		0.420	0.509	No
	Right Tilt	0.040		0.420	0.460	No
Body-worn	Rear	0.126	0.049		0.175	No
	Front	0.099	0.028		0.127	No
	Edge 2	0.084	0.026		0.110	No
	Rear	0.126		0.210	0.336	No
	Front	0.099		0.210	0.309	No
	Edge 2	0.084		0.210	0.294	No

Note:

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

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

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 13	5.8GHz Wi-Fi DTS Band	Bluetooth		
Head	Left Touch	0.095	0.028		0.123	No
	Left Tilt	0.058	0.078		0.136	No
	Right Touch	0.036	0.083		0.119	No
	Right Tilt	0.022	0.063		0.085	No
	Left Touch	0.095		0.420	0.515	No
	Left Tilt	0.058		0.420	0.478	No
	Right Touch	0.036		0.420	0.456	No
	Right Tilt	0.022		0.420	0.442	No
Body-worn	Rear	0.119	0.049		0.168	No
	Front	0.082	0.028		0.110	No
	Edge 2	0.029	0.026		0.055	No
	Rear	0.119		0.210	0.329	No
	Front	0.082		0.210	0.292	No
	Edge 2	0.029		0.210	0.239	No

Note:

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

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

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 17	5.8GHz Wi-Fi DTS Band	Bluetooth		
Head	Left Touch	0.033	0.028		0.061	No
	Left Tilt	0.031	0.078		0.109	No
	Right Touch	0.034	0.083		0.117	No
	Right Tilt	0.021	0.063		0.084	No
	Left Touch	0.033		0.420	0.453	No
	Left Tilt	0.031		0.420	0.451	No
	Right Touch	0.034		0.420	0.454	No
	Right Tilt	0.021		0.420	0.441	No
Body-worn	Rear	0.062	0.049		0.111	No
	Front	0.049	0.028		0.077	No
	Edge 2	0.032	0.026		0.058	No
	Rear	0.062		0.210	0.272	No
	Front	0.049		0.210	0.259	No
	Edge 2	0.032		0.210	0.242	No

Note:

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

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

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 25	5.8GHz Wi-Fi DTS Band	Bluetooth		
Head	Left Touch	0.189	0.028		0.217	No
	Left Tilt	0.086	0.078		0.164	No
	Right Touch	0.146	0.083		0.229	No
	Right Tilt	0.048	0.063		0.111	No
	Left Touch	0.189		0.420	0.609	No
	Left Tilt	0.086		0.420	0.506	No
	Right Touch	0.146		0.420	0.566	No
	Right Tilt	0.048		0.420	0.468	No
Body-worn	Rear	0.922	0.049		0.971	No
	Front	0.548	0.028		0.576	No
	Edge 2	0.083	0.026		0.109	No
	Rear	0.922		0.210	1.132	No
	Front	0.548		0.210	0.758	No
	Edge 2	0.083		0.210	0.293	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

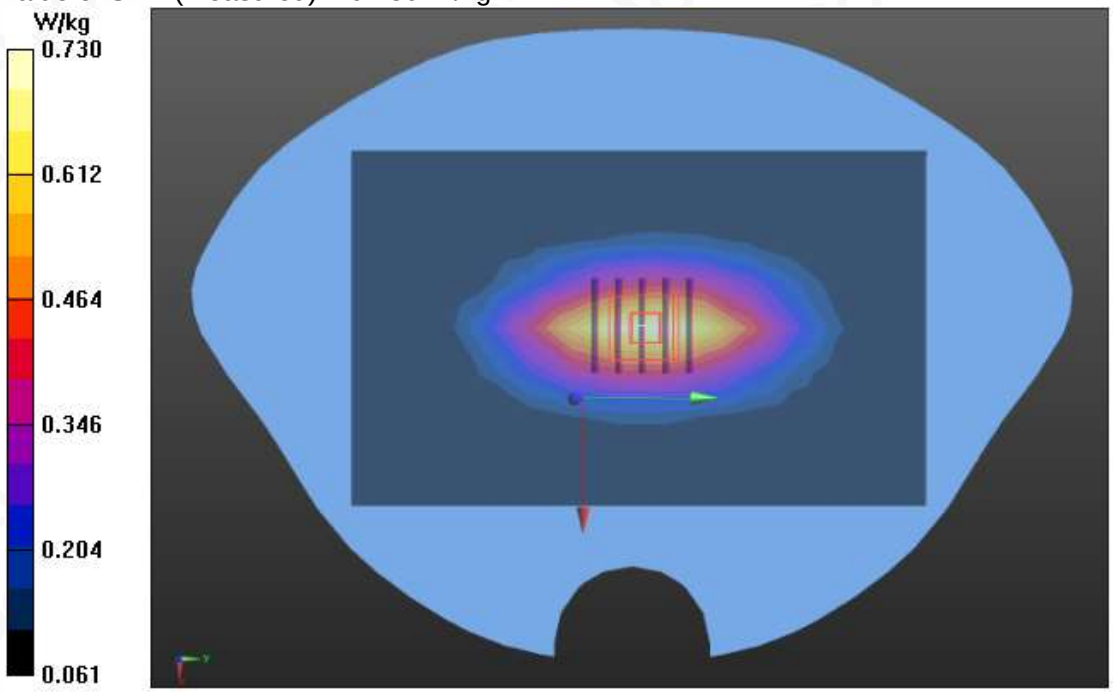
Test Laboratory: AGC Lab **Date: Jan. 08, 2022**
System Check Head 750MHz
DUT: Dipole 750 MHz Type: SID 750

Communication System: CW; Communication System Band: D750 (750.0 MHz); Duty Cycle: 1:1;
Frequency: 750 MHz; Medium parameters used: f = 750MHz; σ=0.88 mho/m; εr =42.72; ρ= 1000 kg/m³ ;
Phantom section: Flat Section; Input Power=18dBm
Ambient temperature (℃): 21.1, Liquid temperature (℃): 20.9

DASY Configuration:
• Probe: EX3DV4 – SN:3953; ConvF(10.37, 10.37, 10.37); Calibrated: Aug. 27,2021;
• Sensor-Surface: 1.4mm (Mechanical Surface Detection), z = 1.0, 31.0
• Electronics: DAE4 SN1398; Calibrated: May 17,2021
• Phantom: SAM (20deg probe tilt) with CRP v5.0; Type: QD000P40CD;
• DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

Configuration/System Check 750MHz/Area Scan (9x14x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.718 W/kg

Configuration/System Check 750MHz/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 26.428 V/m; Power Drift = 0.15 dB
Peak SAR (extrapolated) = 0.842 W/kg
SAR(1 g) = 0.542 W/kg; SAR(10 g) = 0.341 W/kg
Maximum value of SAR (measured) = 0.730 W/kg



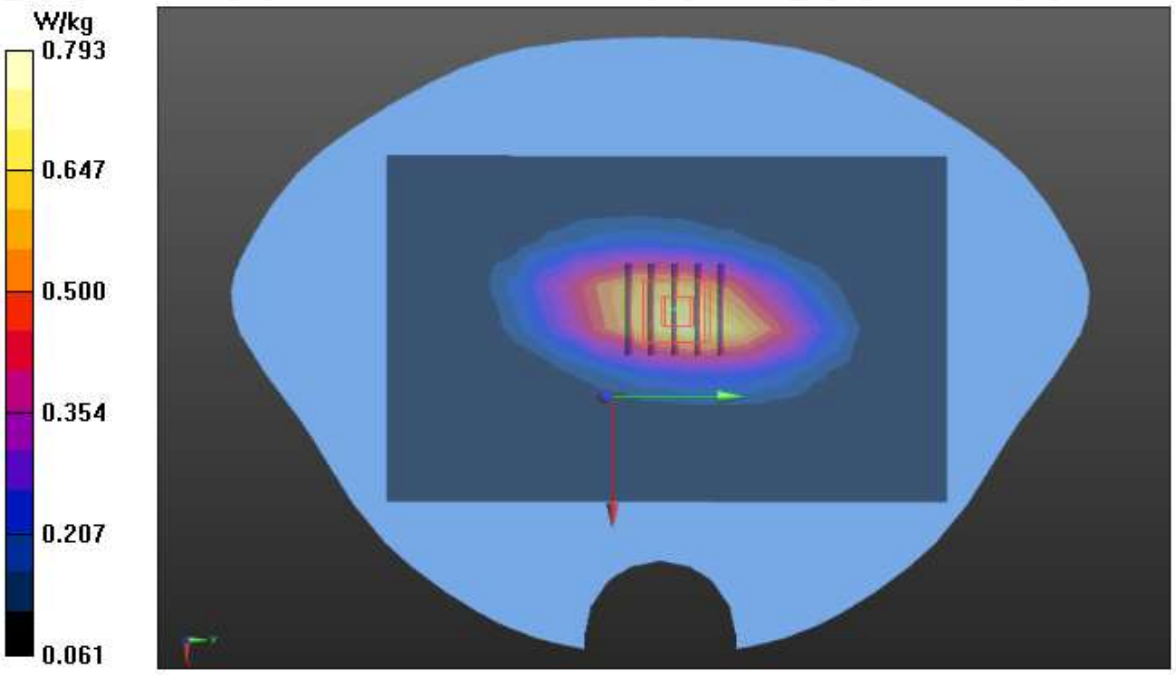
Test Laboratory: AGC Lab **Date: Jan. 06, 2022**
System Check Head 835 MHz
DUT: Dipole 835 MHz Type: SID 835

Communication System CW; Communication System Band: D835 (835.0 MHz); Duty Cycle: 1:1;
Frequency: 835 MHz; Medium parameters used: f = 835 MHz; σ=0.91 mho/m; εr =41.26; ρ= 1000 kg/m³ ;
Phantom section: Flat Section; Input Power=18dBm
Ambient temperature (℃):20.6, Liquid temperature (℃): 20.4

DASY Configuration:
• Probe: EX3DV4 – SN:3953; ConvF(10.01, 10.01, 10.01); Calibrated: Aug. 27,2021;
• Sensor-Surface: 1.4mm (Mechanical Surface Detection), z = 1.0, 31.0
• Electronics: DAE4 SN1398; Calibrated: May 17,2021
• Phantom: SAM (20deg probe tilt) with CRP v5.0; Type: QD000P40CD;
• DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

Configuration/System Check Head 835MHz/Area Scan (9x14x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.784 W/kg

Configuration/System Check Head 835MHz/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 23.157 V/m; Power Drift = 0.08 dB
Peak SAR (extrapolated) = 1.01 W/kg
SAR(1 g) = 0.609 W/kg; SAR(10 g) = 0.386 W/kg
Maximum value of SAR (measured) = 0.793 W/kg



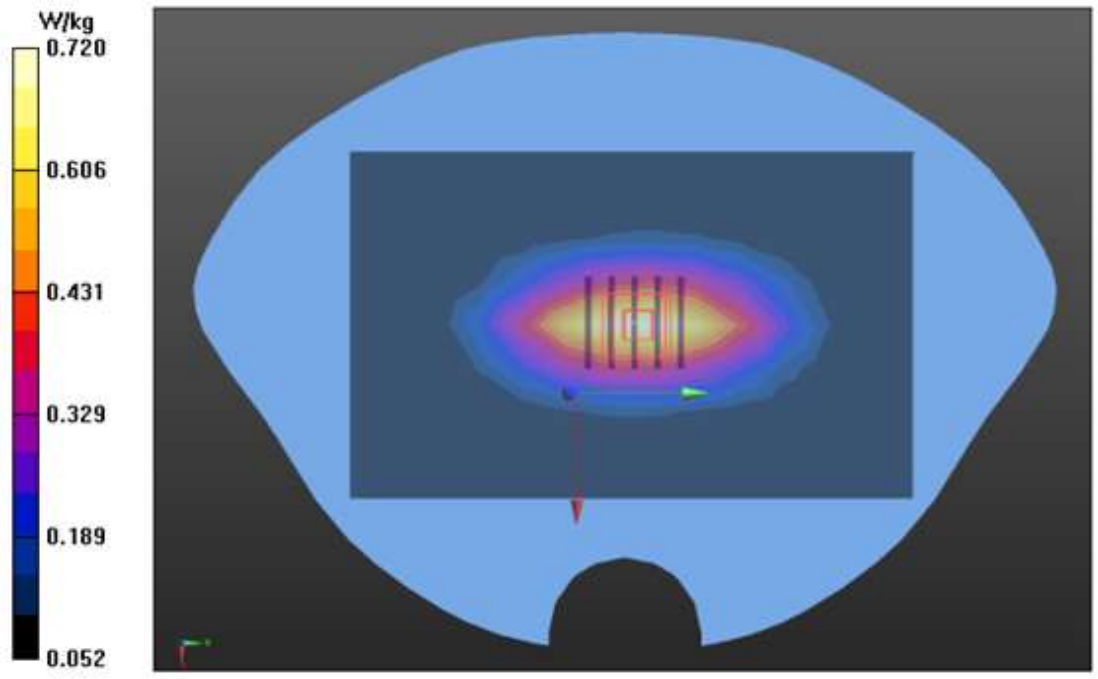
Test Laboratory: AGC Lab **Date: Jan. 14, 2022**
System Check Head 835 MHz
DUT: Dipole 835 MHz Type: SID 835

Communication System CW; Communication System Band: D835 (835.0 MHz); Duty Cycle: 1:1;
Frequency: 835 MHz; Medium parameters used: f = 835 MHz; σ=0.88 mho/m; εr =41.59; ρ= 1000 kg/m³ ;
Phantom section: Flat Section; Input Power=18dBm
Ambient temperature (℃): 21.2, Liquid temperature (℃): 21.0

DASY Configuration:
• Probe: EX3DV4 – SN:3953; ConvF(10.01, 10.01, 10.01); Calibrated: Aug. 27,2021;
• Sensor-Surface: 1.4mm (Mechanical Surface Detection), z = 1.0, 31.0
• Electronics: DAE4 SN1398; Calibrated: May 17,2021
• Phantom: SAM (20deg probe tilt) with CRP v5.0; Type: QD000P40CD;
• DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

Configuration/System Check Head 835MHz/Area Scan (9x14x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.710W/kg

Configuration/System Check Head 835MHz/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 27.366 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 0.984 W/kg
SAR(1 g) = 0.615 W/kg; SAR(10 g) = 0.400 W/kg
Maximum value of SAR (measured) = 0.720 W/kg



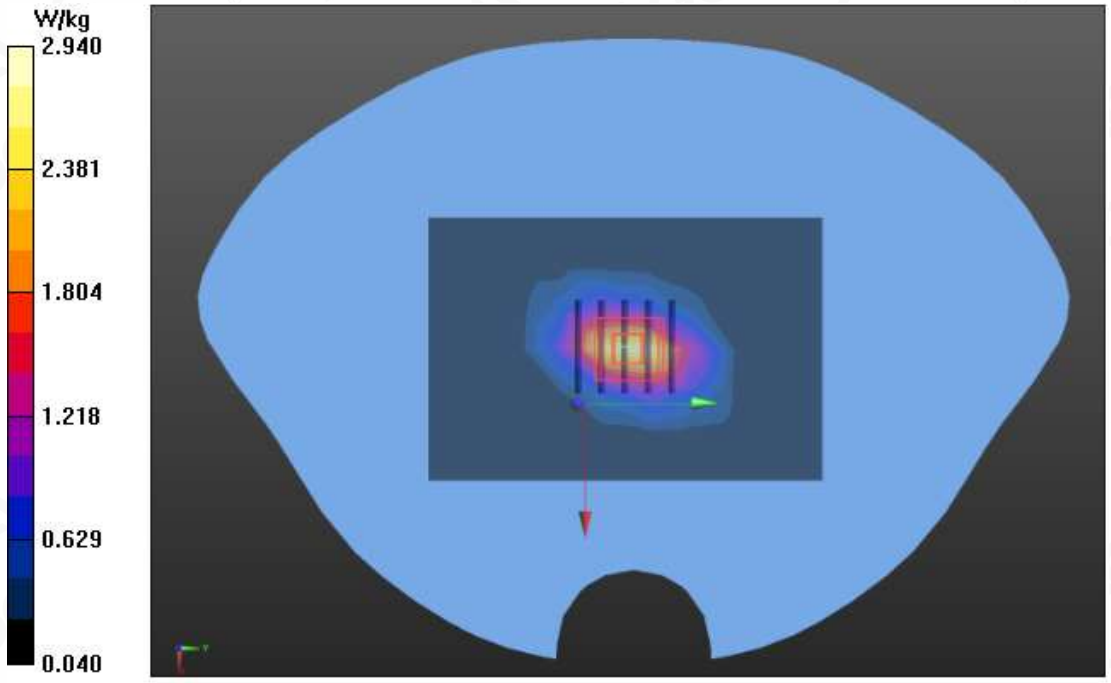
Test Laboratory: AGC Lab **Date: Jan. 05, 2022**
System Check Head 1750MHz
DUT: Dipole 1800 MHz; Type: SID 1800

Communication System: CW; Communication System Band: D1700 (1750.0 MHz); Duty Cycle: 1:1;
Frequency: 1750 MHz; Medium parameters used: f = 1750 MHz; σ=1.39 mho/m; ε_r =39.64; ρ= 1000 kg/m³ ;
Phantom section: Flat Section; Input Power=18dBm
Ambient temperature (℃): 20.3, Liquid temperature (℃): 20.1

DASY Configuration:
• Probe: EX3DV4 – SN:3953; ConvF(8.55, 8.55, 8.55); Calibrated: Aug. 27,2021;
• Sensor-Surface: 1.4mm (Mechanical Surface Detection), z = 1.0, 31.0
• Electronics: DAE4 SN1398; Calibrated: May 17,2021
• Phantom: SAM (20deg probe tilt) with CRP v5.0; Type: QD000P40CD;
• DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

Configuration/System Check Head 1750MHz/Area Scan (7x10x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 2.75 W/kg

Configuration/System Check Head 1750MHz /Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 47.257 V/m; Power Drift = -0.15 dB
Peak SAR (extrapolated) = 4.26 W/kg
SAR(1 g) = 2.39 W/kg; SAR(10 g) = 1.20 W/kg
Maximum value of SAR (measured) = 2.94 W/kg



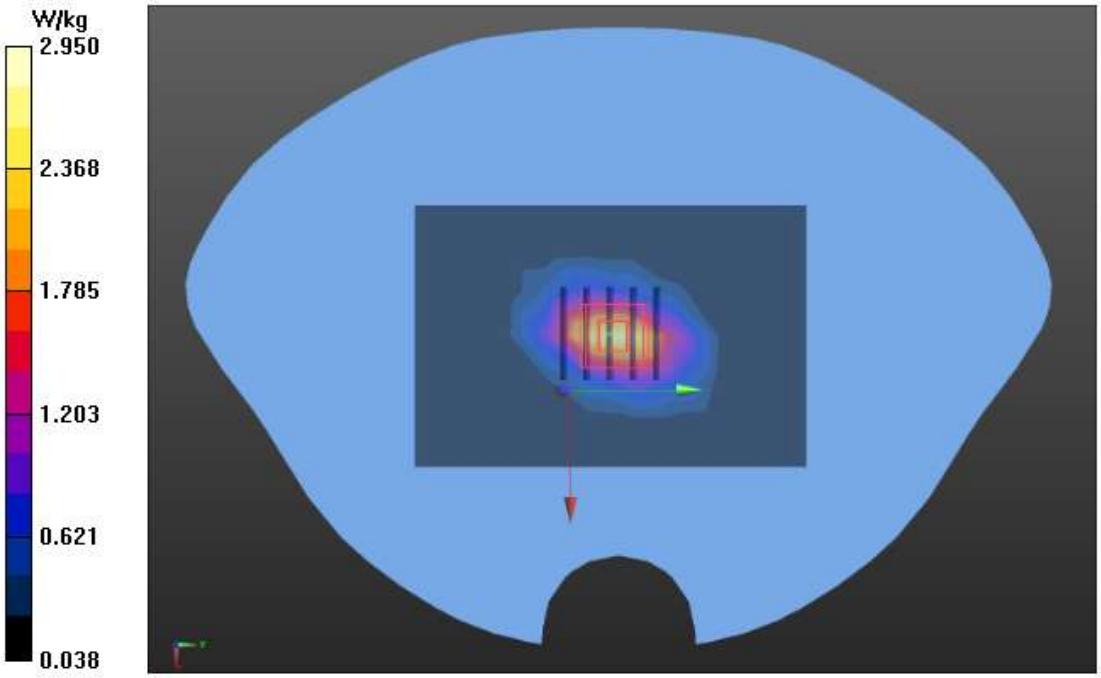
Test Laboratory: AGC Lab **Date: Jan. 04, 2022**
System Check Head 1900MHz
DUT: Dipole 1900 MHz; Type: SID 1900

Communication System: CW; Communication System Band: D1900 (1900.0 MHz); Duty Cycle:1:1;
Frequency: 1900 MHz; Medium parameters used: f = 1900 MHz; σ=1.37 mho/m; εr =39.74; ρ= 1000 kg/m³ ;
Phantom section: Flat Section; Input Power=18dBm
Ambient temperature (℃):20.7, Liquid temperature (℃): 20.5

DASY Configuration:
• Probe: EX3DV4 – SN:3953; ConvF(8.26, 8.26, 8.26); Calibrated: Aug. 27,2021;
• Sensor-Surface: 1.4mm (Mechanical Surface Detection), z = 1.0, 31.0
• Electronics: DAE4 SN1398; Calibrated: May 17,2021
• Phantom: SAM (20deg probe tilt) with CRP v5.0; Type: QD000P40CD;
• DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

Configuration/System Check Head 1900MHz/Area Scan (7x10x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 2.75 W/kg

Configuration/System Check Head 1900MHz /Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 47.367 V/m; Power Drift = -0.14 dB
Peak SAR (extrapolated) = 4.22 W/kg
SAR(1 g) = 2.36 W/kg; SAR(10 g) = 1.25 W/kg
Maximum value of SAR (measured) = 2.95 W/kg



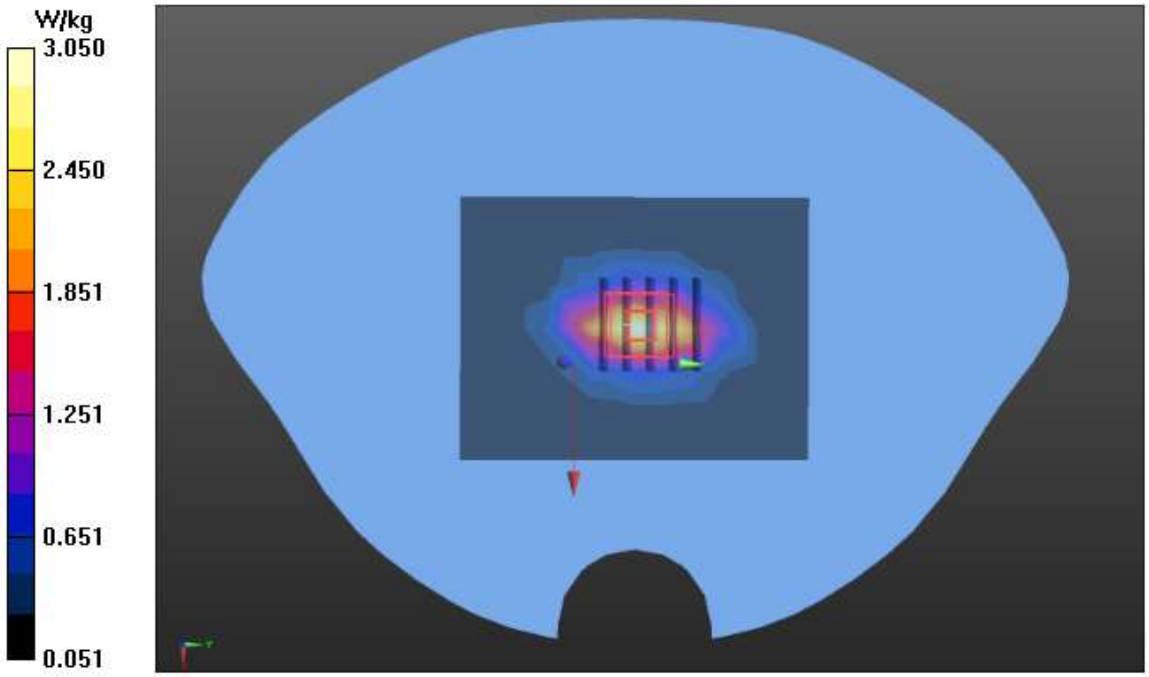
Test Laboratory: AGC Lab **Date: Dec. 29, 2021**
System Check Head 1900MHz
DUT: Dipole 1900 MHz; Type: SID 1900

Communication System: CW; Communication System Band: D1900 (1900.0 MHz); Duty Cycle:1:1;
Frequency: 1900 MHz; Medium parameters used: f = 1900 MHz; σ=1.41 mho/m; εr =39.72;; ρ= 1000 kg/m³ ;
Phantom section: Flat Section; Input Power=18dBm
Ambient temperature (℃): 20.5, Liquid temperature (℃): 20.3

DASY Configuration:
• Probe: EX3DV4 – SN:3953; ConvF(8.26, 8.26, 8.26); Calibrated: Aug. 27,2021;
• Sensor-Surface: 1.4mm (Mechanical Surface Detection), z = 1.0, 31.0
• Electronics: DAE4 SN1398; Calibrated: May 17,2021
• Phantom: SAM (20deg probe tilt) with CRP v5.0; Type: QD000P40CD;
• DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

Configuration/System Check Head 1900MHz/Area Scan (7x9x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 3.01 W/kg

Configuration/System Check Head 1900MHz/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 47.437 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 4.42 W/kg
SAR(1 g) = 2.38 W/kg; SAR(10 g) = 1.23 W/kg
Maximum value of SAR (measured) = 3.05 W/kg



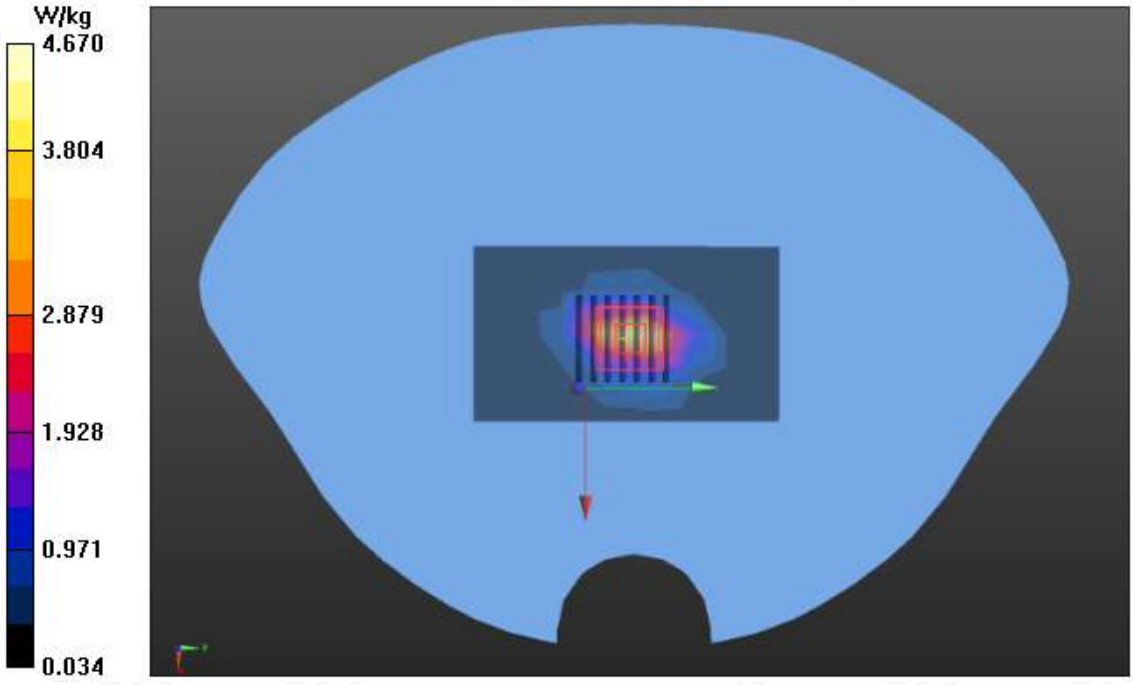
Test Laboratory: AGC Lab **Date: Jan. 07, 2022**
System Check Head 2450 MHz
DUT: Dipole 2450 MHz Type: SID 2450

Communication System CW; Communication System Band: D2450 (2450.0 MHz); Duty Cycle: 1:1;
Frequency: 2450 MHz; Medium parameters used: f = 2450 MHz; σ=1.82 mho/m; εr =38.94; ρ= 1000 kg/m³ ;
Phantom section: Flat Section; Input Power=18dBm
Ambient temperature (℃): 20.5, Liquid temperature (℃): 20.3

DASY Configuration:
• Probe: EX3DV4 – SN:3953; ConvF(7.60, 7.60, 7.60); Calibrated: Aug. 27,2021;
• Sensor-Surface: 1.4mm (Mechanical Surface Detection), z = 1.0, 31.0
• Electronics: DAE4 SN1398; Calibrated: May 17,2021
• Phantom: SAM (20deg probe tilt) with CRP v5.0; Type: QD000P40CD;
• DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

Configuration/System Check Head 2450Hz/Area Scan (7x10x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 3.52 W/kg

Configuration/System Check Head 2450Hz/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 47.842 V/m; Power Drift = -0.16 dB
Peak SAR (extrapolated) = 7.39 W/kg
SAR(1 g) = 3.52 W/kg; SAR(10 g) = 1.56 W/kg
Maximum value of SAR (measured) = 4.67 W/kg



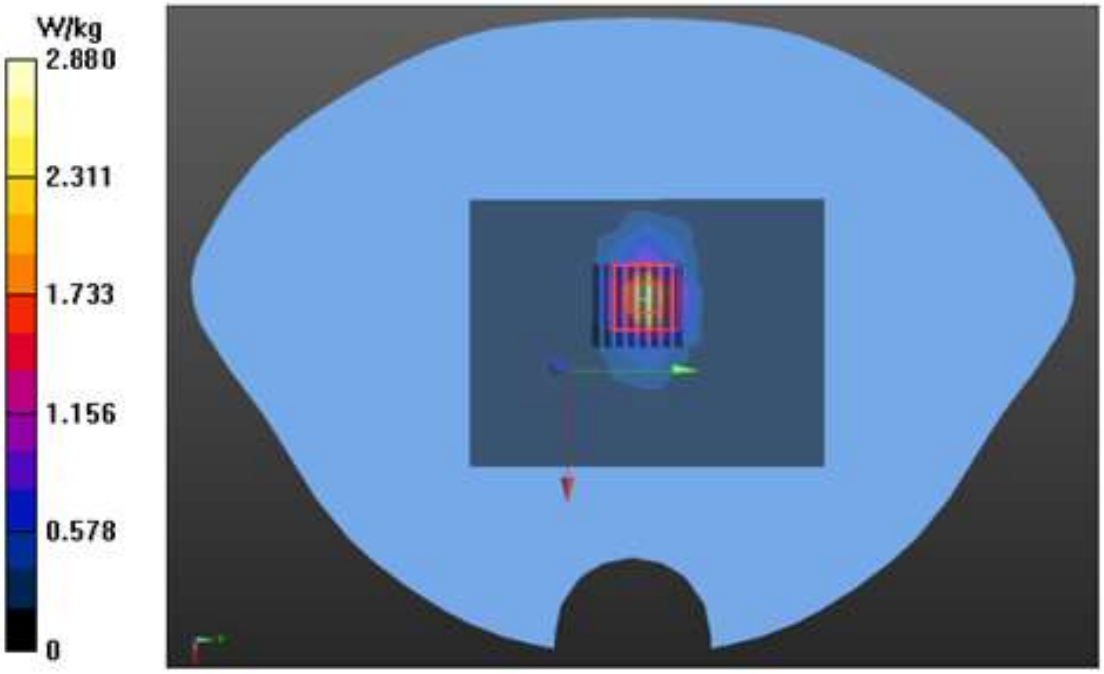
Test Laboratory: AGC Lab **Date: Jan. 05, 2022**
System Check Head 5200 MHz
DUT: Dipole 5000MHz Type: SWG5500

Communication System: CW; Communication System Band: D5000 (5000.0 MHz); Duty Cycle: 1:1;
Frequency: 5200 MHz; Medium parameters used: f = 5250 MHz; σ =4.62mho/m; εr = 35.9; ρ= 1000 kg/m³ ;
Phantom section: Flat Section; Input Power=10dBm
Ambient temperature (℃): 20.3, Liquid temperature (℃): 20.1,

DASY Configuration:
• Probe: EX3DV4 – SN:3953; ConvF(5.42, 5.42, 5.42); Calibrated: Aug. 27,2021;
• Sensor-Surface: 1.4mm (Mechanical Surface Detection), z = 1.0, 31.0
• Electronics: DAE4 SN1398; Calibrated: May 17,2021
• Phantom: SAM (20deg probe tilt) with CRP v5.0; Type: QD000P40CD;
• DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

Configuration/System Check 5200MHz Head/Area Scan (10x13x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 1.94 W/kg

Configuration/System Check 5200MHz Head/Zoom Scan (8x8x13)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 17.336 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 5.26 W/kg
SAR(1 g) = 1.55 W/kg; SAR(10 g) = 0.543 W/kg
Maximum value of SAR (measured) = 2.88 W/kg



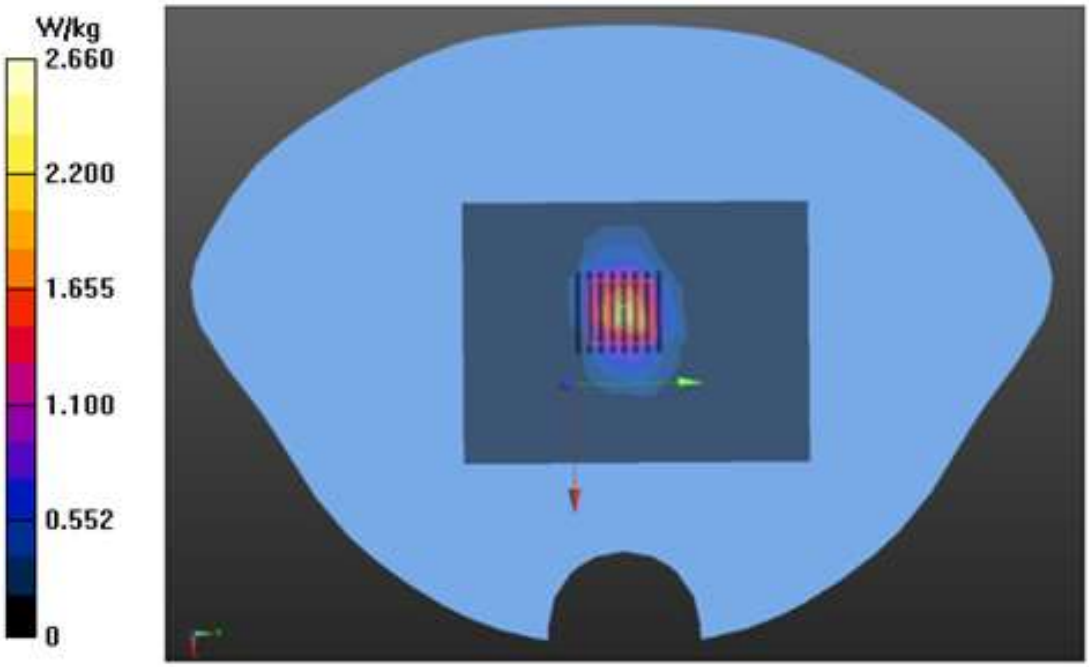
Test Laboratory: AGC Lab **Date: Jan. 06, 2022**
System Check Head 5200 MHz
DUT: Dipole 5000MHz Type: SWG5500

Communication System: CW; Communication System Band: D5000 (5000.0 MHz); Duty Cycle: 1:1;
Frequency: 5200 MHz; Medium parameters used: f = 5250 MHz; σ =4.80mho/m; εr = 36.12; ρ= 1000 kg/m³ ;
Phantom section: Flat Section; Input Power=10dBm
Ambient temperature (℃): 20.6, Liquid temperature (℃): 20.4,

DASY Configuration:
• Probe: EX3DV4 – SN:3953; ConvF(5.42, 5.42, 5.42); Calibrated: Aug. 27,2021;
• Sensor-Surface: 1.4mm (Mechanical Surface Detection), z = 1.0, 31.0
• Electronics: DAE4 SN1398; Calibrated: Apr. 23,2020
• Phantom: SAM (20deg probe tilt) with CRP v5.0; Type: QD000P40CD;
• DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

Configuration/System Check 5400MHz Head/Area Scan (10x13x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 2.43 W/kg

Configuration/System Check 5400MHz Head /Zoom Scan (8x8x13)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 20.147 V/m; Power Drift = -0.17 dB
Peak SAR (extrapolated) = 5.11 W/kg
SAR(1 g) = 1.59 W/kg; SAR(10 g) = 0.542 W/kg
Maximum value of SAR (measured) = 2.66 W/kg



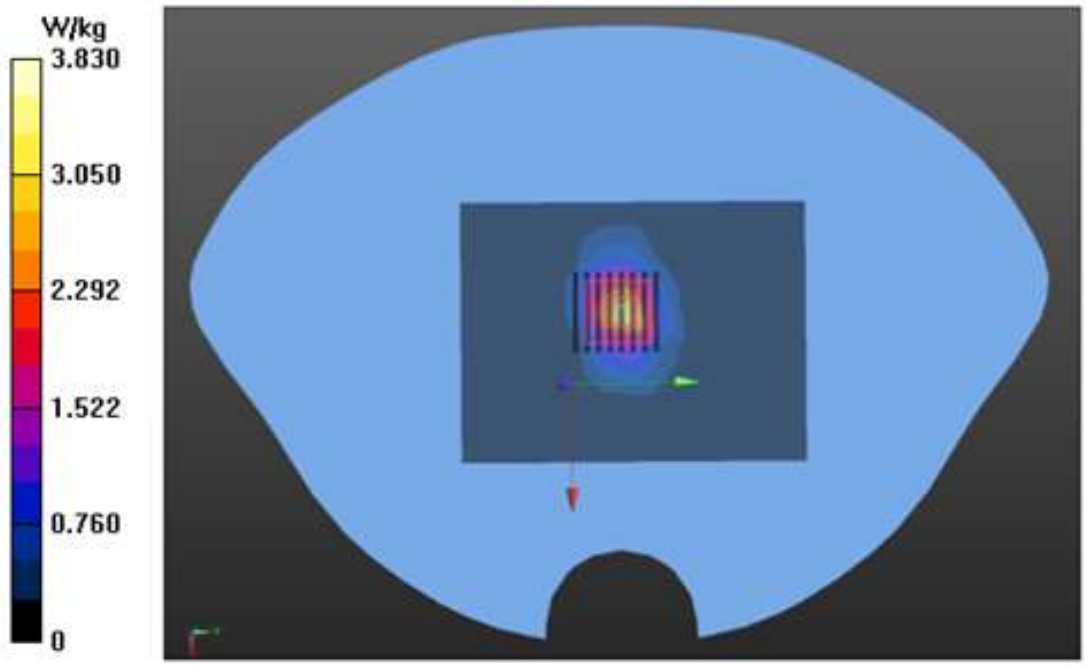
Test Laboratory: AGC Lab **Date: Jan. 07, 2022**
System Check Head 5800 MHz
DUT: Dipole 5000MHz Type: SWG5500

Communication System: CW; Communication System Band: D5000 (5000.0 MHz); Duty Cycle: 1:1;
Frequency: 5800 MHz; Medium parameters used: f = 5750 MHz; σ =5.20 mho/m; εr =35.33; ρ= 1000 kg/m³ ;
Phantom section: Flat Section; Input Power=10dBm
Ambient temperature (℃): 20.5, Liquid temperature (℃): 20.3,

DASY Configuration:
• Probe: EX3DV4 – SN:3953; ConvF(4.96, 4.96, 4.96); Calibrated: Aug. 27,2021;
• Sensor-Surface: 1.4mm (Mechanical Surface Detection), z = 1.0, 31.0
• Electronics: DAE4 SN1398; Calibrated: May 17,2021
• Phantom: SAM (20deg probe tilt) with CRP v5.0; Type: QD000P40CD;
• DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

Configuration/System Check 5800MHz Head/Area Scan (10x13x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 3.33 W/kg

Configuration/System Check 5800MHz Head/Zoom Scan (8x8x13)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 21.845 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 6.98 W/kg
SAR(1 g) = 1.87 W/kg; SAR(10 g) = 0.617 W/kg
Maximum value of SAR (measured) = 3.83 W/kg



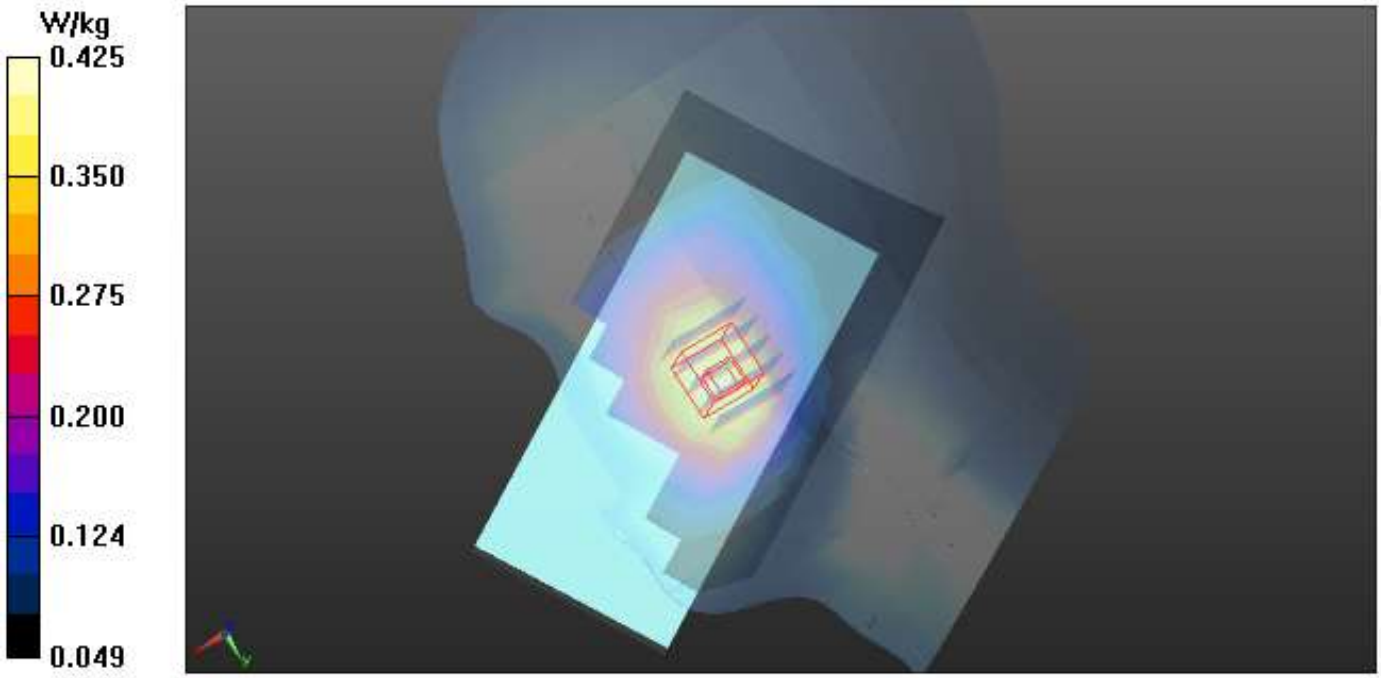
APPENDIX B. SAR MEASUREMENT DATA

Test Laboratory: AGC Lab **Date: Jan. 06, 2022**
GSM 850 Mid-Touch-Right <SIM 1>
DUT: 4G Smart Phone; Type: AGM H5

Communication System: Generic GSM; Communication System Band: GSM 850; Duty Cycle: 1:8.3; Frequency: 836.6 MHz; Medium parameters used: f = 835 MHz; σ=0.92 mho/m; εr =41.08; ρ= 1000 kg/m³ ;
Phantom section: Right Section
Ambient temperature (℃):20.6, Liquid temperature (℃): 20.4

DASY Configuration:
• Probe: EX3DV4 – SN:3953; ConvF(10.01, 10.01, 10.01); Calibrated: Aug. 27,2021;
• Sensor-Surface: 3mm (Mechanical Surface Detection), z = 1.0, 31.0
• Electronics: DAE4 SN1398; Calibrated: May 17,2021
• Phantom: SAM (20deg probe tilt) with CRP v5.0; Type: QD000P40CD;
• DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

Configuration 5/R-C/Area Scan (8x14x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.424 W/kg
Configuration 5/R-C/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.370 V/m; Power Drift = 0.19 dB
Peak SAR (extrapolated) = 0.500 W/kg
SAR(1 g) = 0.386 W/kg; SAR(10 g) = 0.292 W/kg
Maximum value of SAR (measured) = 0.425 W/kg

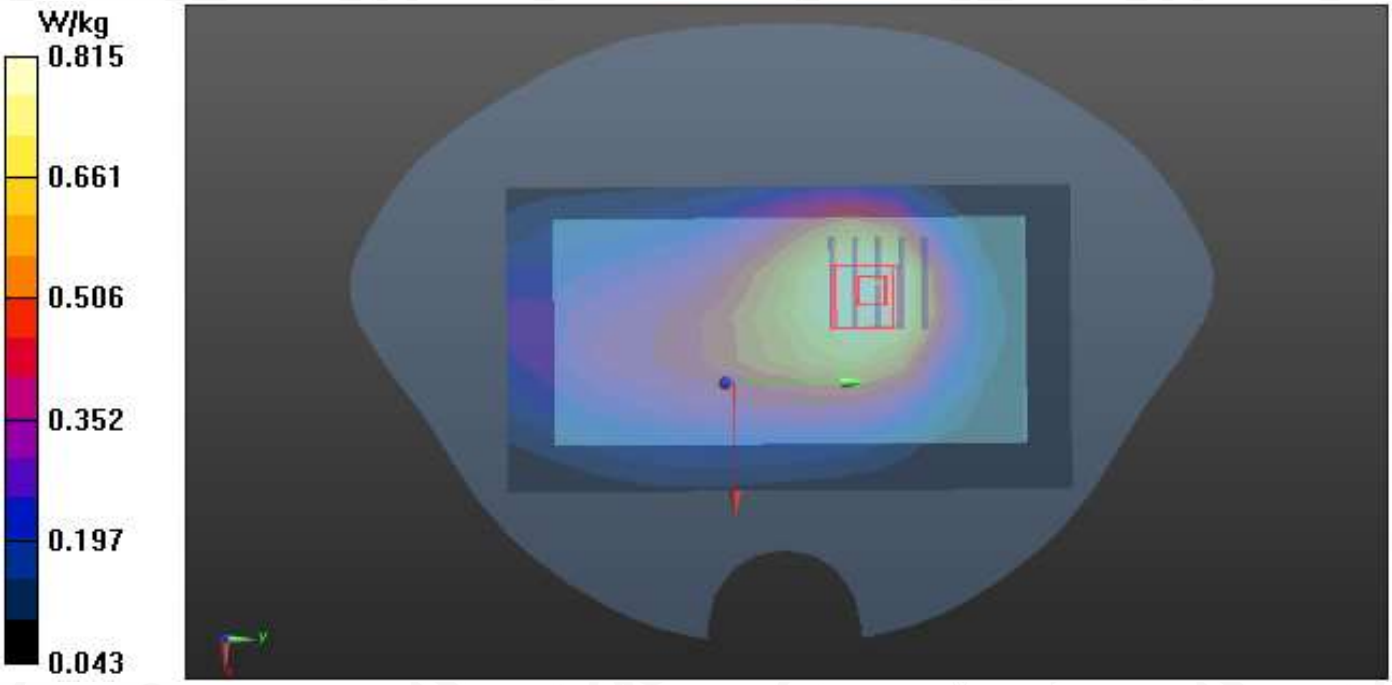


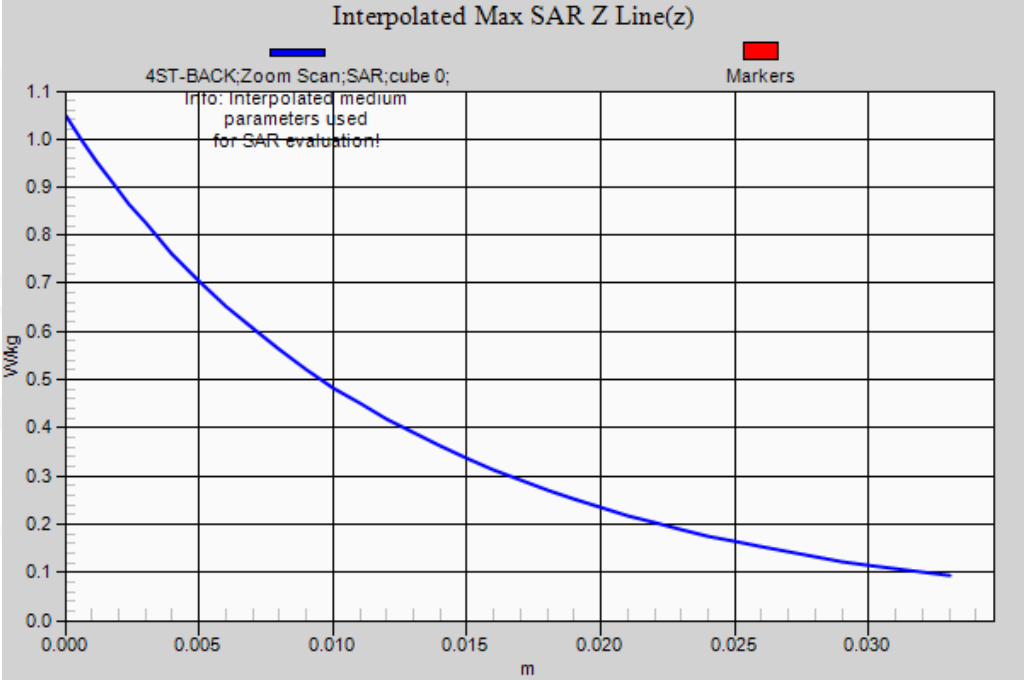
Test Laboratory: AGC Lab **Date: Jan. 06, 2022**
GPRS 850 Mid- Body- Back (2up) < SIM 1>
DUT: 4G Smart Phone; Type: AGM H5

Communication System: GPRS-2 Slot; Communication System Band: GSM 850; Duty Cycle: 1:4.2;
Frequency: 836.6 MHz; Medium parameters used: f = 835 MHz; σ= 0.92 mho/m; εr = 41.08; ρ= 1000 kg/m³ ;
Phantom section: Flat Section
Ambient temperature (℃):20.6, Liquid temperature (℃): 20.4

DASY Configuration:
• Probe: EX3DV4 – SN:3953; ConvF(10.01, 10.01, 10.01); Calibrated: Aug. 27,2021;
• Sensor-Surface: 3mm (Mechanical Surface Detection), z = 1.0, 31.0
• Electronics: DAE4 SN1398; Calibrated: May 17,2021
• Phantom: SAM (20deg probe tilt) with CRP v5.0; Type: QDOVA002AA;
• DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

Configuration/4ST-BACK/Area Scan (8x14x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.866 W/kg
Configuration/4ST-BACK/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 26.555 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 1.05 W/kg
SAR(1 g) = 0.717 W/kg; SAR(10 g) = 0.492 W/kg
Maximum value of SAR (measured) = 0.815 W/kg



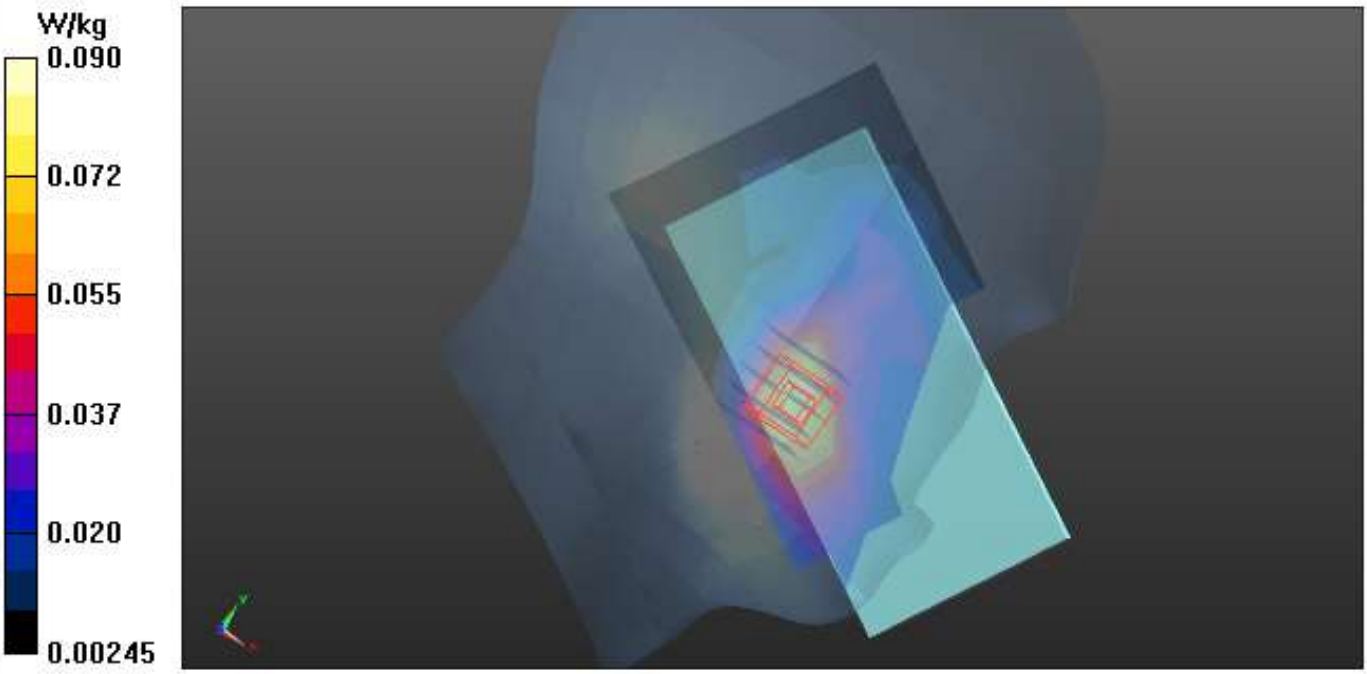


Test Laboratory: AGC Lab **Date: Jan. 04, 2022**
PCS 1900 Mid-Touch-Left <SIM 1>
DUT: 4G Smart Phone; Type: AGM H5

Communication System: Generic GSM; Communication System Band: PCS 1900; Duty Cycle: 1:8.3;
Frequency: 1880 MHz; Medium parameters used: f = 1900 MHz; σ= 1.36 mho/m; εr =39.98; ρ= 1000 kg/m³ ;
Phantom section: Left Section
Ambient temperature (℃):20.7, Liquid temperature (℃): 20.5

DASY Configuration:
• Probe: EX3DV4 – SN:3953; ConvF(8.26, 8.26, 8.26); Calibrated: Aug. 27,2021;
• Sensor-Surface: 3mm (Mechanical Surface Detection), z = 1.0, 31.0
• Electronics: DAE4 SN1398; Calibrated: May 17,2021
• Phantom: SAM (20deg probe tilt) with CRP v5.0; Type: QD000P40CD;
• DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

Configuration 4/L-C/Area Scan (8x14x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.0815 W/kg
Configuration 4/L-C/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.764 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 0.117 W/kg
SAR(1 g) = 0.074 W/kg; SAR(10 g) = 0.046 W/kg
Maximum value of SAR (measured) = 0.0895 W/kg

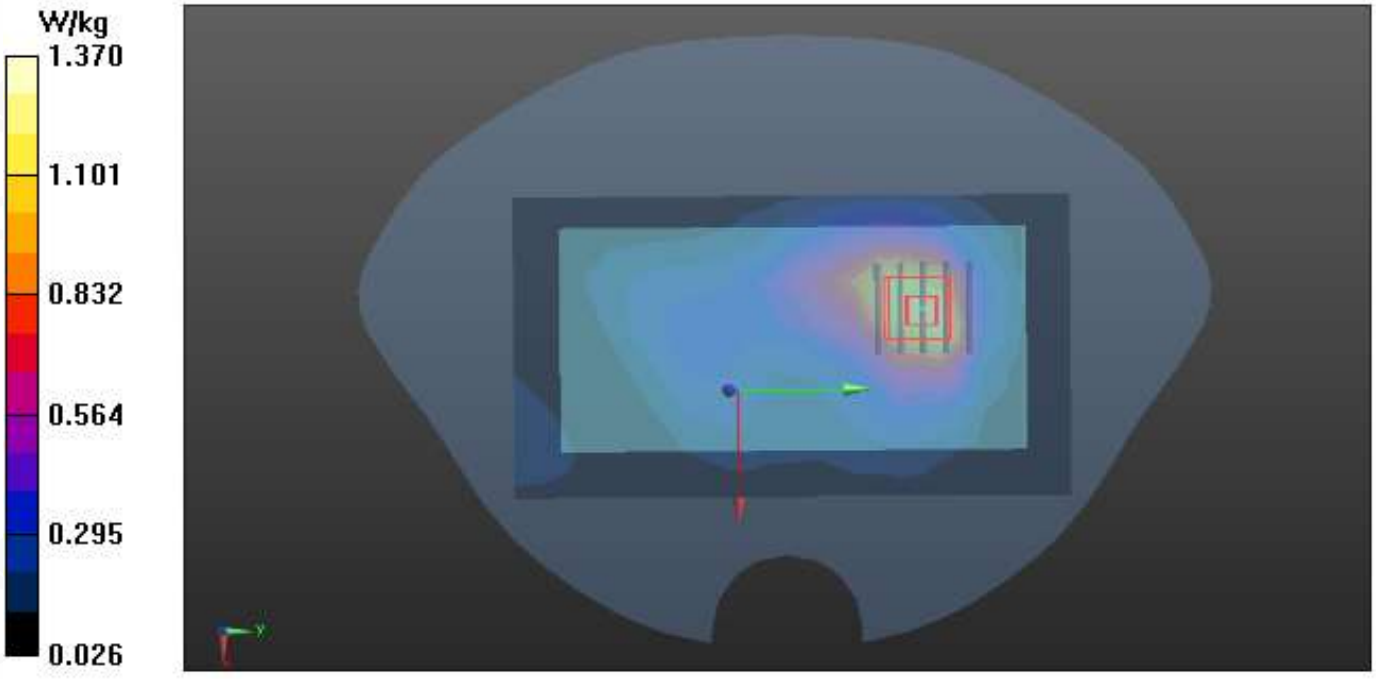


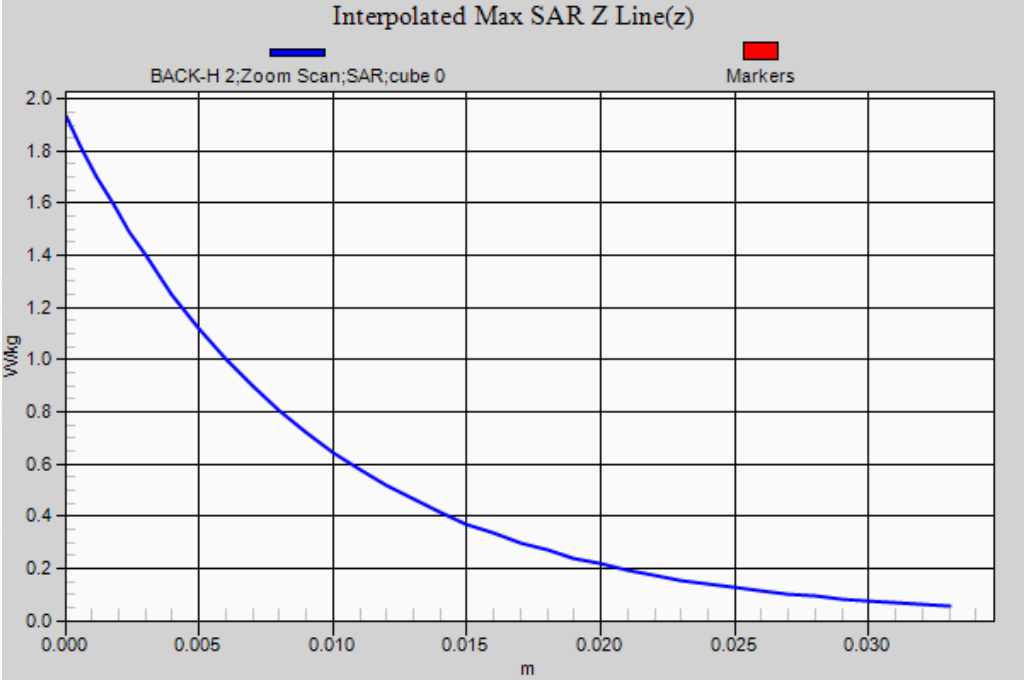
Test Laboratory: AGC Lab **Date: Jan. 04, 2022**
GPRS 1900 High-Body- Back (2up) < SIM 1>
DUT: 4G Smart Phone; Type: AGM H5

Communication System: GPRS-2 Slot; Communication System Band: PCS 1900; Duty Cycle: 1:4.2;
Frequency: 1909.8 MHz; Medium parameters used: f = 1900 MHz; σ= 1.36 mho/m; εr =39.98; ρ= 1000 kg/m³ ;
Phantom section: Flat Section
Ambient temperature (℃):20.7, Liquid temperature (℃): 20.5

DASY Configuration:
• Probe: EX3DV4 – SN:3953; ConvF(8.26, 8.26, 8.26); Calibrated: Aug. 27,2021;
• Sensor-Surface: 3mm (Mechanical Surface Detection), z = 1.0, 31.0
• Electronics: DAE4 SN1398; Calibrated: May 17,2021
• Phantom: SAM (20deg probe tilt) with CRP v5.0; Type: QD000P40CD;
• DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

Configuration/BACK-H/Area Scan (8x14x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 1.29 W/kg
Configuration/BACK-H/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 14.084 V/m; Power Drift = 0.14 dB
Peak SAR (extrapolated) = 1.92 W/kg
SAR(1 g) = 1.12 W/kg; SAR(10 g) = 0.624 W/kg
Maximum value of SAR (measured) = 1.37 W/kg





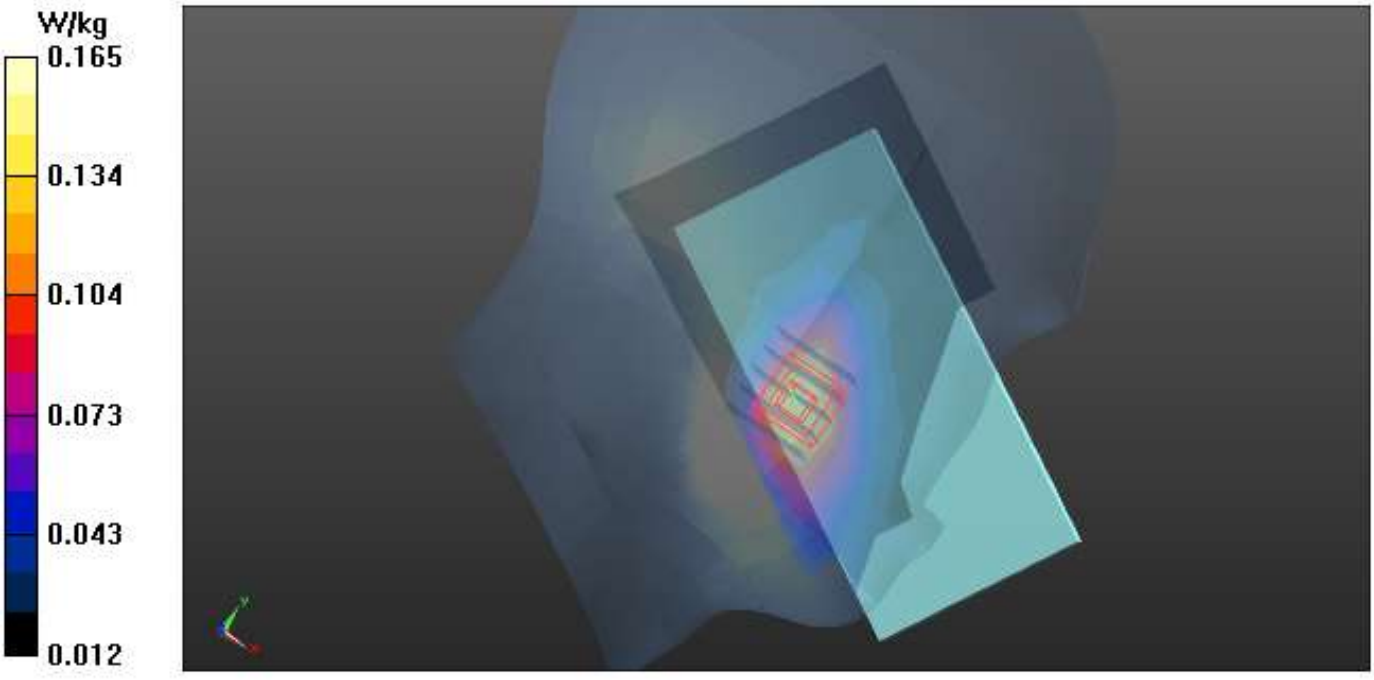
Test Laboratory: AGC Lab **Date: Jan. 04, 2022**
WCDMA Band II Mid-Touch-Left
DUT: 4G Smart Phone; Type: AGM H5

Communication System: UMTS; Communication System Band: Band II UTRA/FDD ;Duty Cycle:1:1;
Frequency: 1880 MHz; Medium parameters used: f = 1900 MHz; σ= 1.36 mho/m; εr =39.98; ρ= 1000 kg/m³ ;
Phantom section: Left Section
Ambient temperature (℃):20.7, Liquid temperature (℃): 20.5

DASY Configuration:
• Probe: EX3DV4 – SN:3953; ConvF(8.26, 8.26, 8.26); Calibrated: Aug. 27,2021;
• Sensor-Surface: 3mm (Mechanical Surface Detection), z = 1.0, 31.0
• Electronics: DAE4 SN1398; Calibrated: May 17,2021
• Phantom: SAM (20deg probe tilt) with CRP v5.0; Type: QD000P40CD;
• DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

Configuration 4/L-C/Area Scan (8x14x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.144 W/kg

Configuration 4/L-C/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.399 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 0.211 W/kg
SAR(1 g) = 0.138 W/kg; SAR(10 g) = 0.085 W/kg
Maximum value of SAR (measured) = 0.165 W/kg

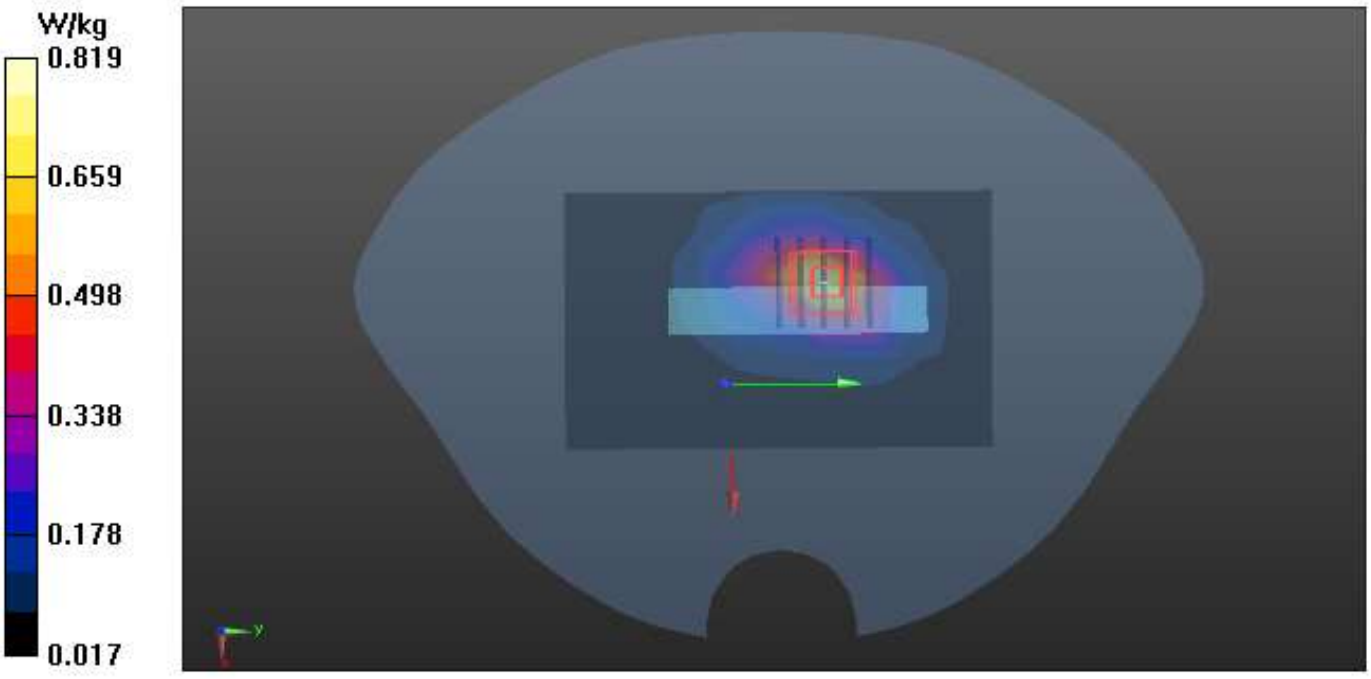


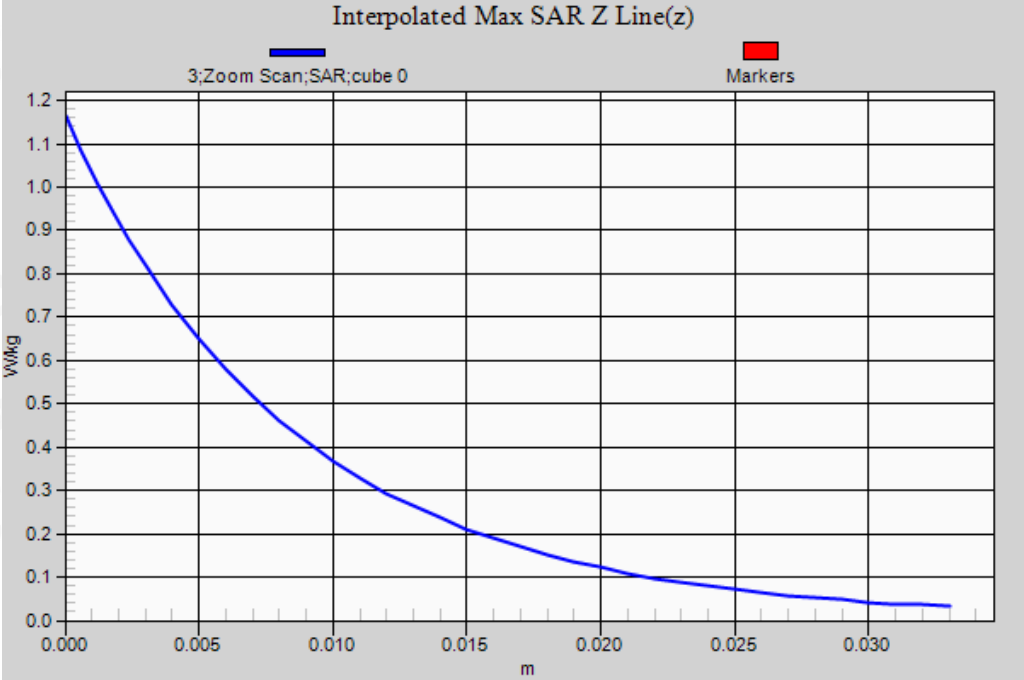
Test Laboratory: AGC Lab **Date: Jan. 04, 2022**
WCDMA Band II Mid-Edge 3
DUT: 4G Smart Phone; Type: AGM H5

Communication System: UMTS; Communication System Band: Band II UTRA/FDD ;Duty Cycle:1:1;
Frequency: 1880 MHz; Medium parameters used: f = 1900 MHz; σ=1.36 mho/m; εr =39.98; ρ= 1000 kg/m³ ;
Phantom section: Flat Section
Ambient temperature (℃):20.7, Liquid temperature (℃): 20.5

DASY Configuration:
• Probe: EX3DV4 – SN:3953; ConvF(8.26, 8.26, 8.26); Calibrated: Aug. 27,2021;
• Sensor-Surface: 3mm (Mechanical Surface Detection), z = 1.0, 31.0
• Electronics: DAE4 SN1398; Calibrated: May 17,2021
• Phantom: SAM (20deg probe tilt) with CRP v5.0; Type: QD000P40CD;
• DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

Configuration 2/3/Area Scan (7x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.795 W/kg
Configuration 2/3/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.914 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 1.16 W/kg
SAR(1 g) = 0.652 W/kg; SAR(10 g) = 0.349 W/kg
Maximum value of SAR (measured) = 0.819 W/kg



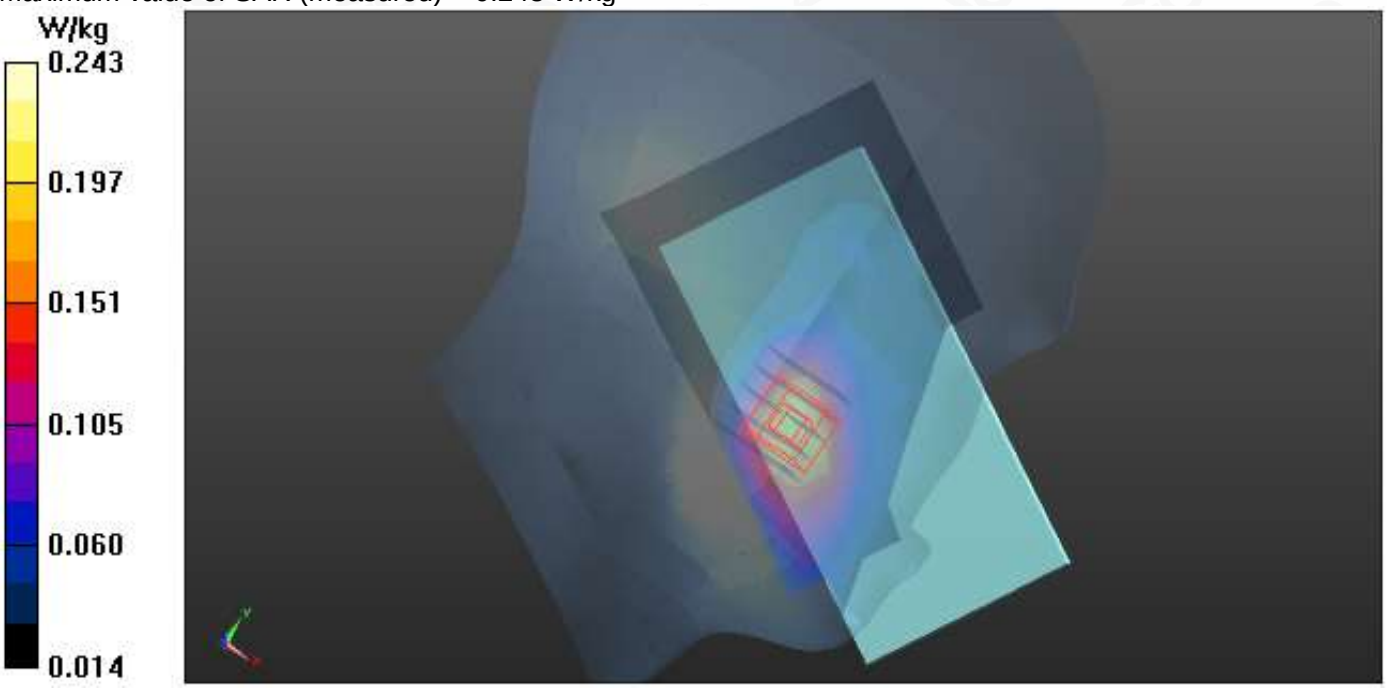


Test Laboratory: AGC Lab **Date: Jan. 05, 2022**
WCDMA Band IV Mid-Touch-Left
DUT: 4G Smart Phone; Type: AGM H5

Communication System: UMTS; Communication System Band: BAND IV UTRA/FDD;Duty Cycle:1:1;
Frequency: 1732.4 MHz; Medium parameters used: f = 1800 MHz; σ= 1.37 mho/m; ε_r =40.12; ρ= 1000 kg/m³ ;
Phantom section: Left Section
Ambient temperature (℃): 20.3, Liquid temperature (℃): 20.1

DASY Configuration:
• Probe: EX3DV4 – SN:3953; ConvF(8.55, 8.55, 8.55); Calibrated: Aug. 27,2021;
• Sensor-Surface: 3mm (Mechanical Surface Detection), z = 1.0, 31.0
• Electronics: DAE4 SN1398; Calibrated: May 17,2021
• Phantom: SAM (20deg probe tilt) with CRP v5.0; Type: QD000P40CD;
• DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

Configuration 4/L-C/Area Scan (8x14x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.220 W/kg
Configuration 4/L-C/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 4.067 V/m; Power Drift = 0.19 dB
Peak SAR (extrapolated) = 0.322 W/kg
SAR(1 g) = 0.206 W/kg; SAR(10 g) = 0.127 W/kg
Maximum value of SAR (measured) = 0.243 W/kg

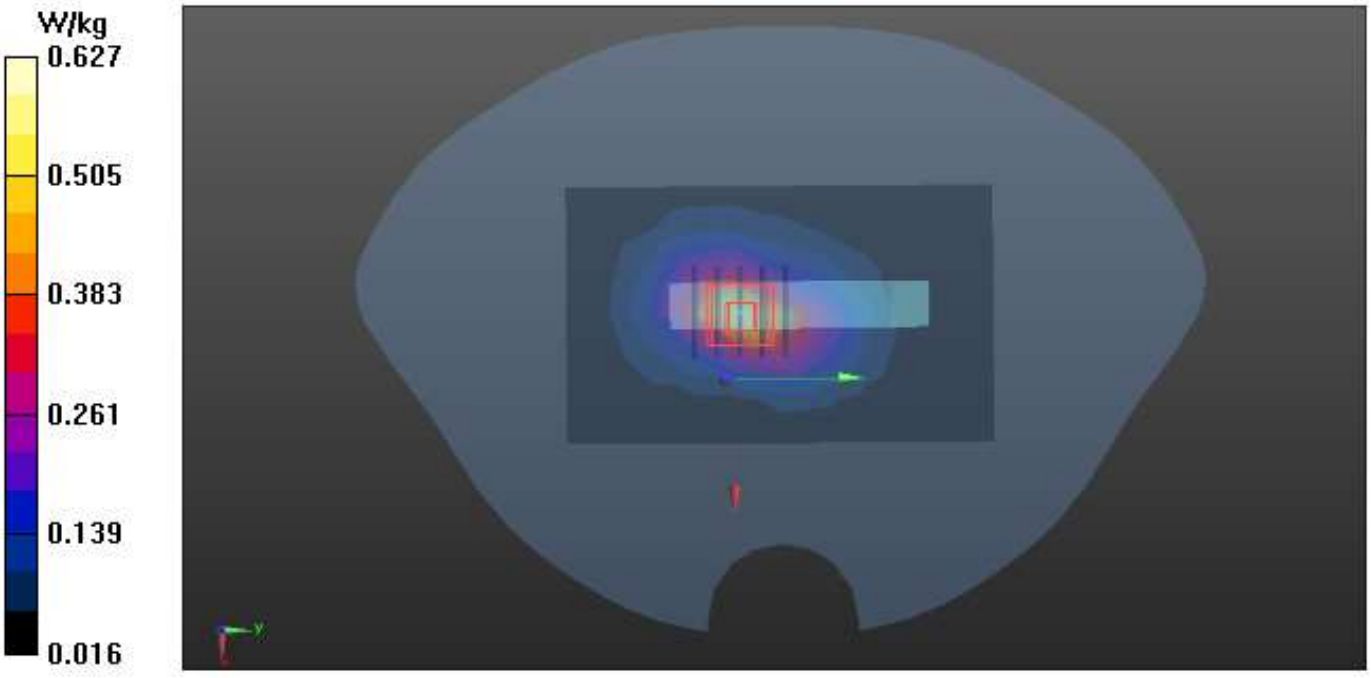


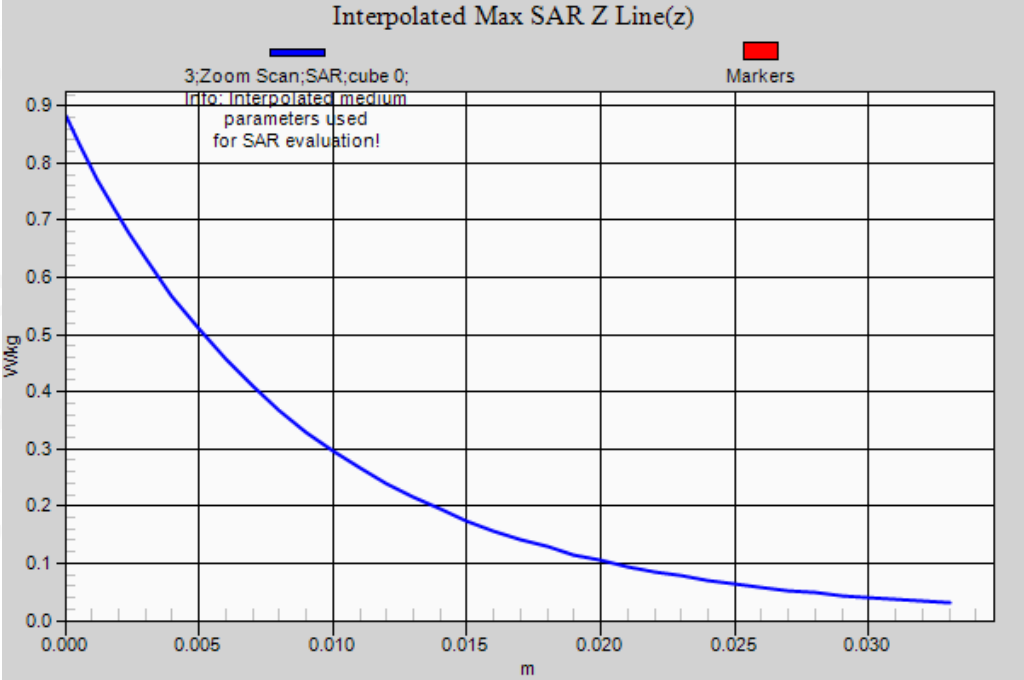
Test Laboratory: AGC Lab **Date: Jan. 05, 2022**
WCDMA Band IV Mid- Edge 3
DUT: 4G Smart Phone; Type: AGM H5

Communication System: UMTS; Communication System Band: BAND IV UTRA/FDD;Duty Cycle:1:1;
Frequency: 1732.4 MHz; Medium parameters used: f = 1800 MHz; σ= 1.37 mho/m; εr =40.12; ρ= 1000 kg/m³ ;
Phantom section: Flat Section
Ambient temperature (℃): 20.3, Liquid temperature (℃): 20.1

DASY Configuration:
• Probe: EX3DV4 – SN:3953; ConvF(8.55, 8.55, 8.55); Calibrated: Aug. 27,2021;
• Sensor-Surface: 3mm (Mechanical Surface Detection), z = 1.0, 31.0
• Electronics: DAE4 SN1398; Calibrated: May 17,2021
• Phantom: SAM (20deg probe tilt) with CRP v5.0; Type: QD000P40CD;
• DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

Configuration 2/3/Area Scan (7x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.635 W/kg
Configuration 2/3/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 18.711 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 0.882 W/kg
SAR(1 g) = 0.507 W/kg; SAR(10 g) = 0.277 W/kg
Maximum value of SAR (measured) = 0.627 W/kg



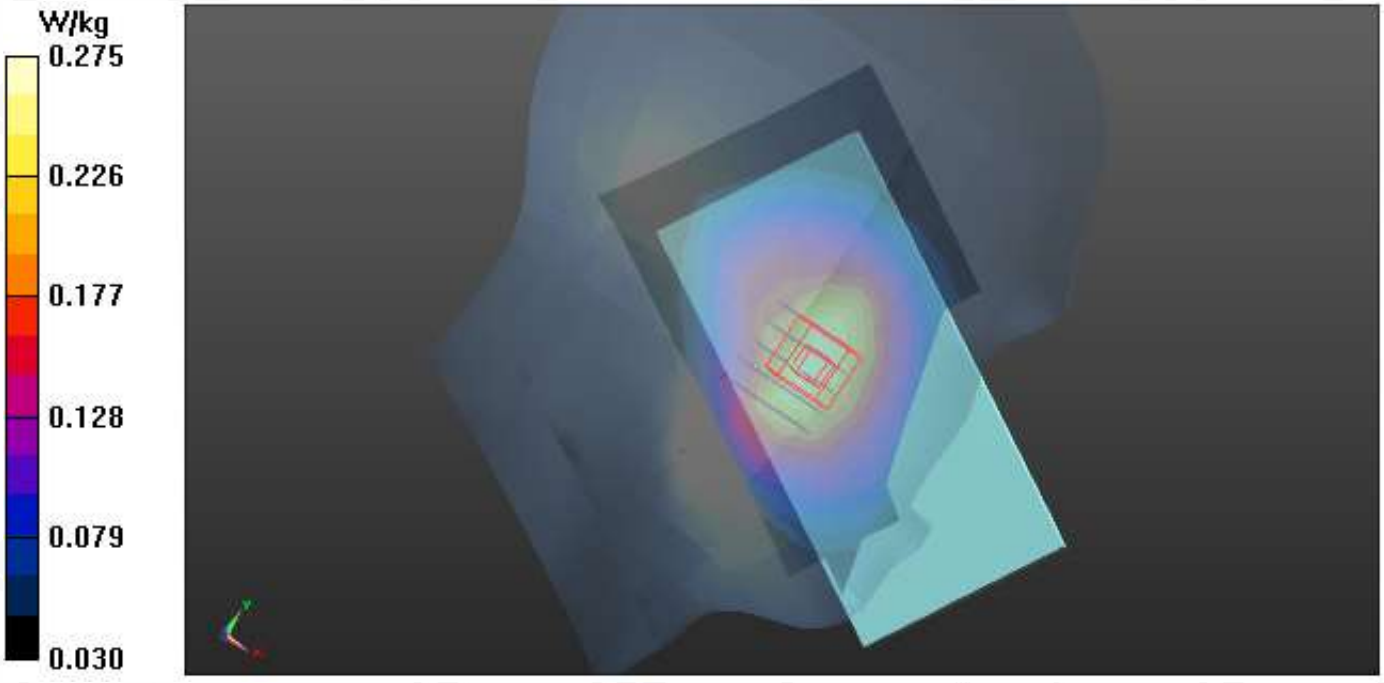


Test Laboratory: AGC Lab **Date: Jan. 06, 2022**
WCDMA Band V Mid-Touch-Left
DUT: 4G Smart Phone; Type: AGM H5

Communication System: UMTS; Communication System Band: BAND V UTRA/FDD;Duty Cycle:1:1;
Frequency: 836.6 MHz; Medium parameters used: f = 835 MHz; σ=0.92 mho/m; εr =41.08; ρ= 1000 kg/m³ ;
Phantom section: Left Section
Ambient temperature (℃):20.6, Liquid temperature (℃): 20.4

DASY Configuration:
• Probe: EX3DV4 – SN:3953; ConvF(10.01, 10.01, 10.01); Calibrated: Aug. 27,2021;
• Sensor-Surface: 3mm (Mechanical Surface Detection), z = 1.0, 31.0
• Electronics: DAE4 SN1398; Calibrated: May 17,2021
• Phantom: SAM (20deg probe tilt) with CRP v5.0; Type: QD000P40CD;
• DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

Configuration 4/L-C/Area Scan (8x14x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.261 W/kg
Configuration 4/L-C/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.070 V/m; Power Drift = -0.15 dB
Peak SAR (extrapolated) = 0.334 W/kg
SAR(1 g) = 0.245 W/kg; SAR(10 g) = 0.180 W/kg
Maximum value of SAR (measured) = 0.275 W/kg

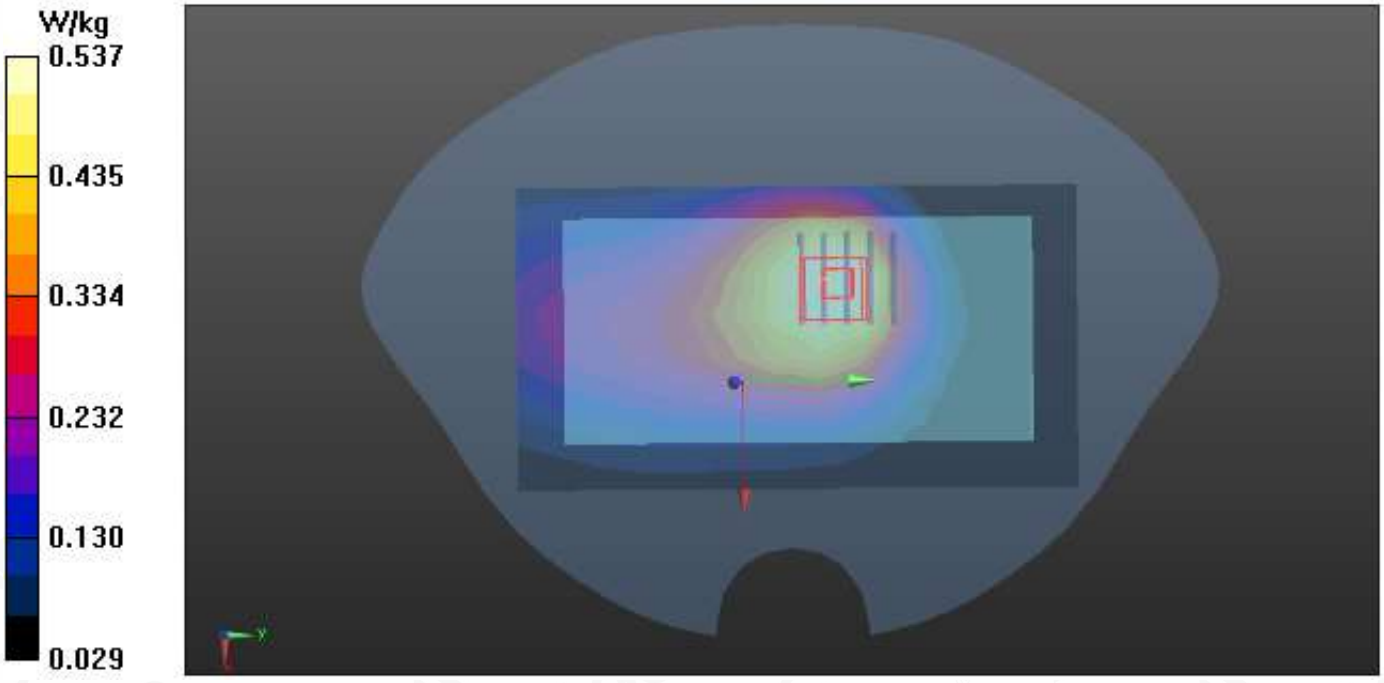


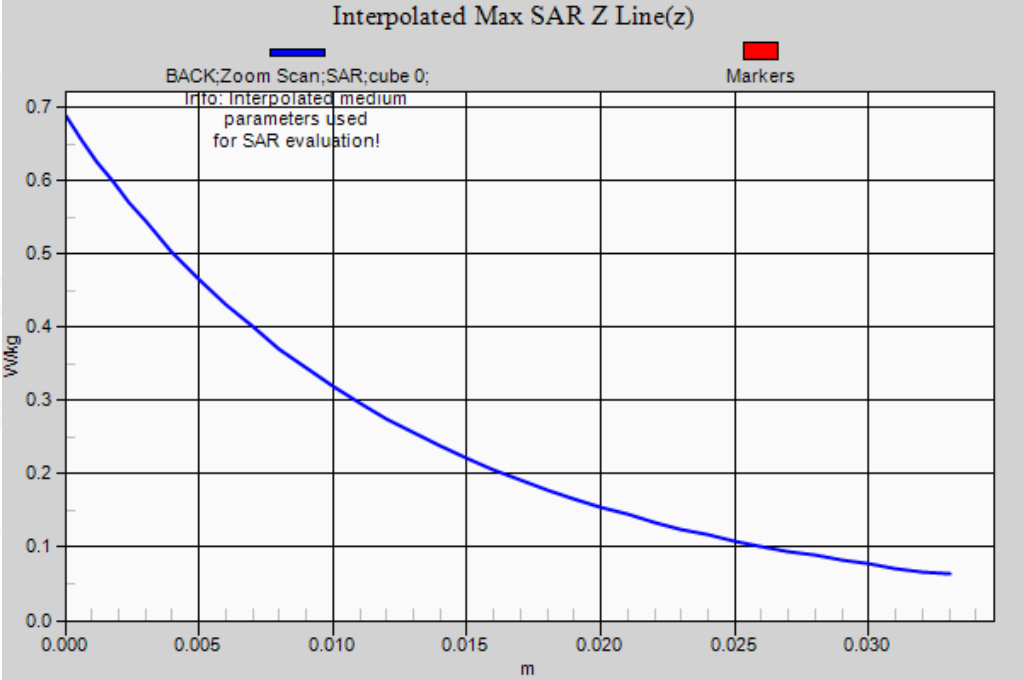
Test Laboratory: AGC Lab **Date: Jan. 06, 2022**
WCDMA Band V Mid-Body-Towards Grounds
DUT: 4G Smart Phone; Type: AGM H5

Communication System: UMTS; Communication System Band: BAND V UTRA/FDD;Duty Cycle:1:1;
Frequency: 836.6 MHz; Medium parameters used: f = 835 MHz;σ=0.92 mho/m; εr =41.08; ρ= 1000 kg/m³ ;
Phantom section: Flat Section
Ambient temperature (℃):20.6, Liquid temperature (℃): 20.4

DASY Configuration:
• Probe: EX3DV4 – SN:3953; ConvF(10.01, 10.01, 10.01); Calibrated: Aug. 27,2021;
• Sensor-Surface: 3mm (Mechanical Surface Detection), z = 1.0, 31.0
• Electronics: DAE4 SN1398; Calibrated: May 17,2021
• Phantom: SAM (20deg probe tilt) with CRP v5.0; Type: QD000P40CD;
• DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

Configuration/BACK/Area Scan (8x14x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.568 W/kg
Configuration/BACK/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 22.912 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 0.689 W/kg
SAR(1 g) = 0.473 W/kg; SAR(10 g) = 0.323 W/kg
Maximum value of SAR (measured) = 0.537 W/kg



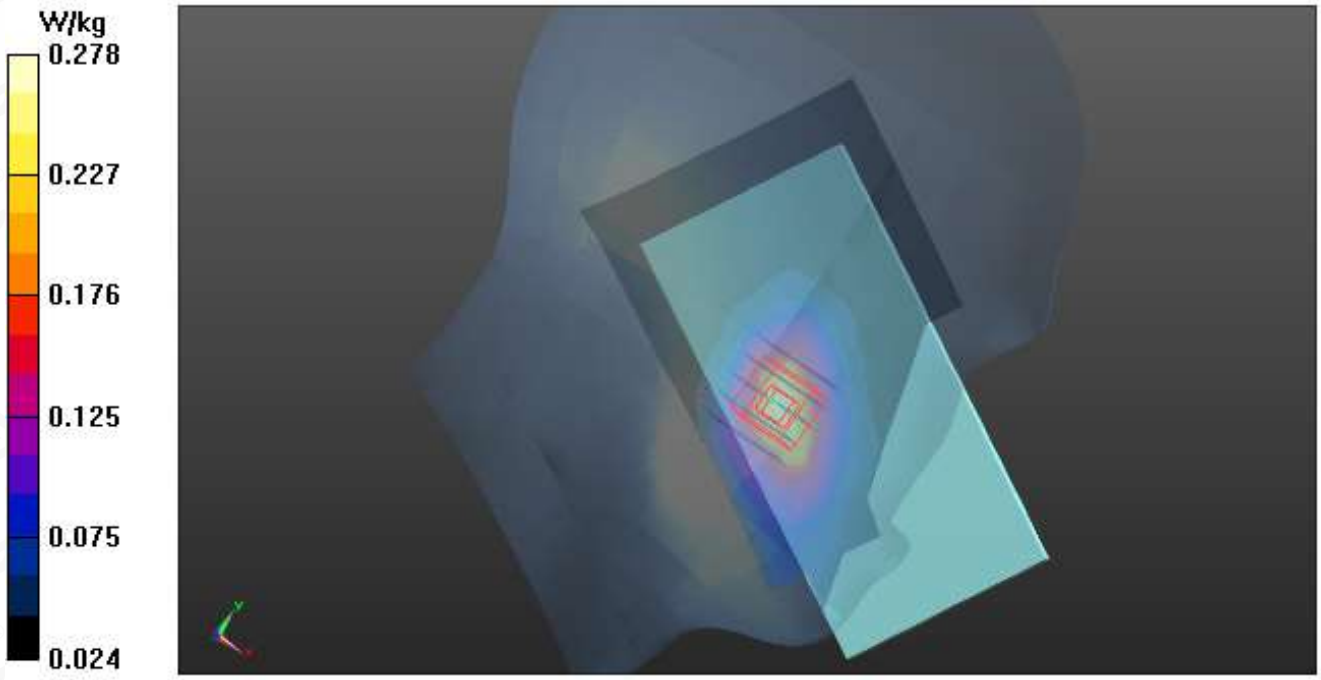


Test Laboratory: AGC Lab **Date: Dec. 29, 2021**
LTE Band 2 Mid-Touch-Left <SIM 1>
DUT: 4G Smart Phone; Type: AGM H5

Communication System: LTE; Communication System Band: LTE Band 2; Duty Cycle: 1:1;
Frequency: 1880 MHz; Medium parameters used: f = 1900 MHz; σ= 1.39 mho/m; εr =40.35; ρ= 1000 kg/m³ ;
Phantom section: Left Section
Ambient temperature (℃): 20.5, Liquid temperature (℃): 20.3

DASY Configuration:
• Probe: EX3DV4 – SN:3953; ConvF(8.26, 8.26, 8.26); Calibrated: Aug. 27,2021;
• Sensor-Surface: 3mm (Mechanical Surface Detection), z = 1.0, 31.0
• Electronics: DAE4 SN1398; Calibrated: May 17,2021
• Phantom: SAM (20deg probe tilt) with CRP v5.0; Type: QD000P40CD;
• DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

Configuration 4/L-C/Area Scan (8x14x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.276 W/kg
Configuration 4/L-C/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 4.557 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 0.373 W/kg
SAR(1 g) = 0.235 W/kg; SAR(10 g) = 0.144 W/kg
Maximum value of SAR (measured) = 0.278 W/kg

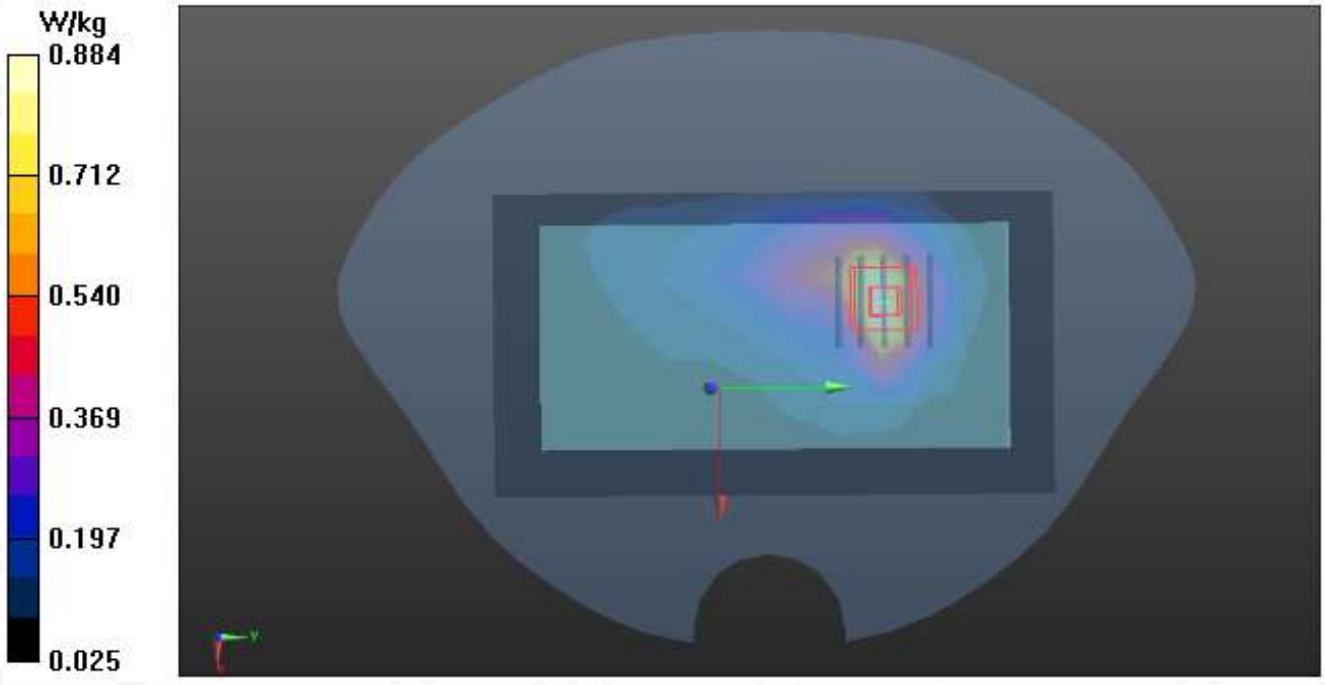


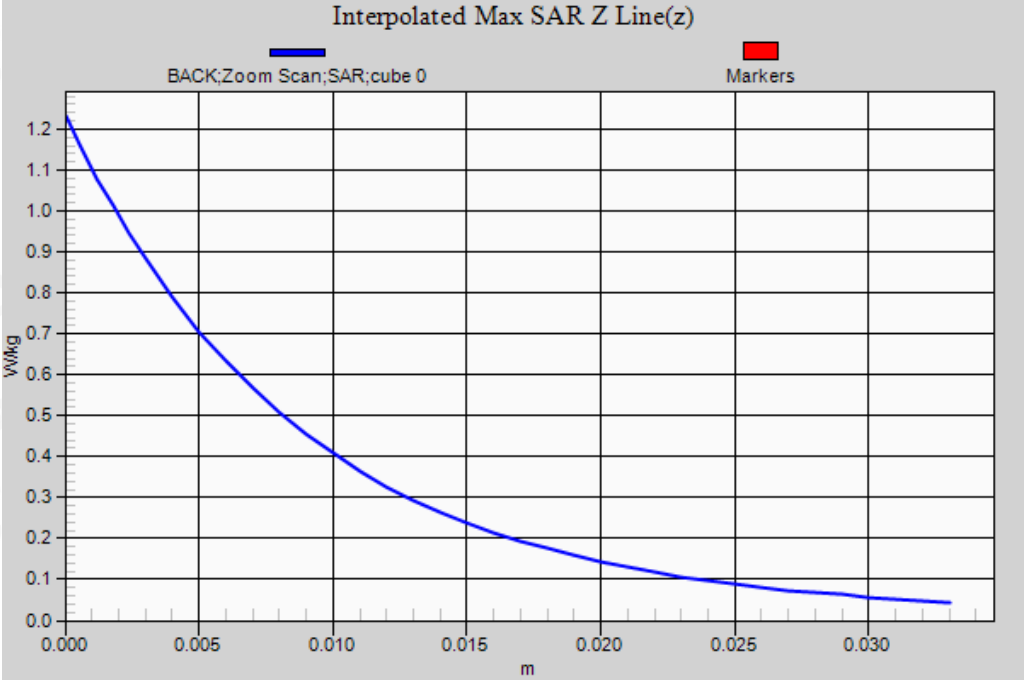
Test Laboratory: AGC Lab **Date: Dec. 29, 2021**
LTE Band 2 Mid-Body- Back (1 RB#0)
DUT: 4G Smart Phone; Type: AGM H5

Communication System: LTE; Communication System Band: LTE Band 2; Duty Cycle: 1:1;
Frequency: 1880 MHz; Medium parameters used: f = 1900 MHz; σ= 1.39 mho/m; εr =40.35; ρ= 1000 kg/m³ ;
Phantom section: Flat Section
Ambient temperature (℃): 20.5, Liquid temperature (℃): 20.3

DASY Configuration:
• Probe: EX3DV4 – SN:3953; ConvF(8.26, 8.26, 8.26); Calibrated: Aug. 27,2021;
• Sensor-Surface: 3mm (Mechanical Surface Detection), z = 1.0, 31.0
• Electronics: DAE4 SN1398; Calibrated: May 17,2021
• Phantom: SAM (20deg probe tilt) with CRP v5.0; Type: QD000P40CD;
• DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

Configuration/BACK/Area Scan (8x14x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.914 W/kg
Configuration/BACK/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.437 V/m; Power Drift = 0.19 dB
Peak SAR (extrapolated) = 1.23 W/kg
SAR(1 g) = 0.706 W/kg; SAR(10 g) = 0.384 W/kg
Maximum value of SAR (measured) = 0.884 W/kg



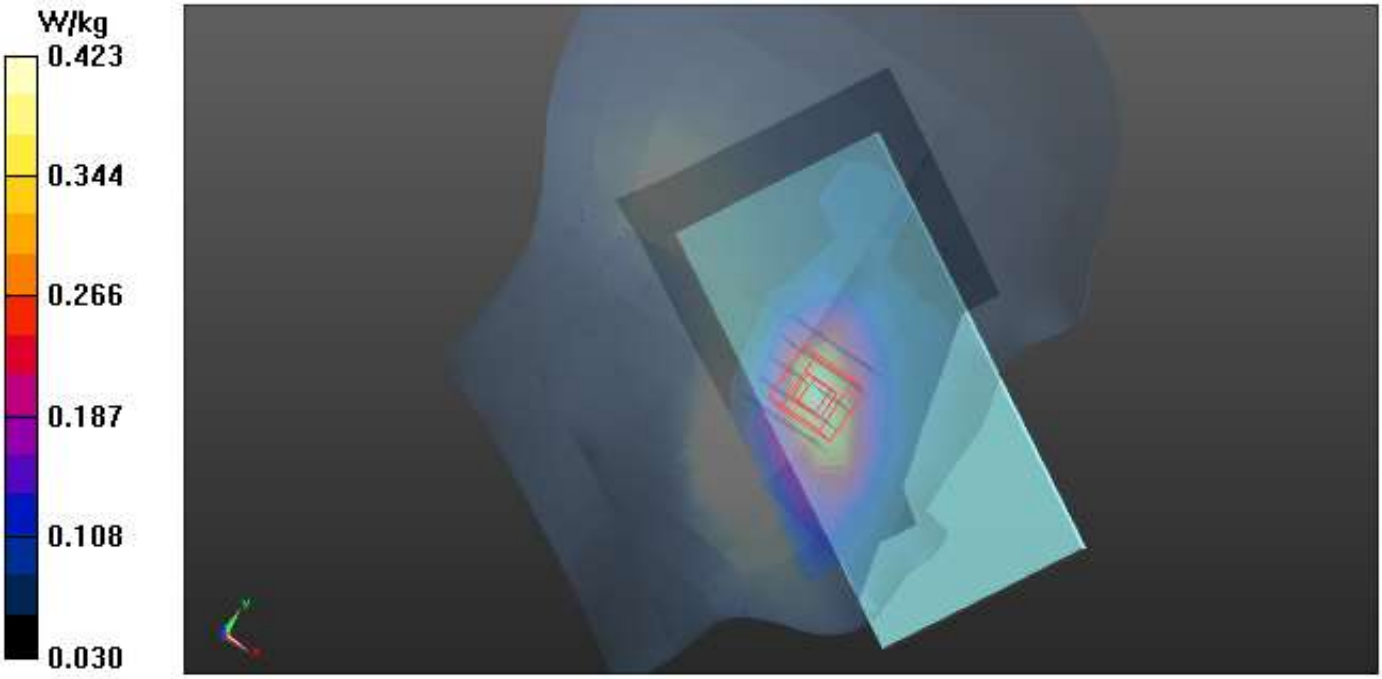


Test Laboratory: AGC Lab **Date: Jan. 05, 2022**
LTE Band 4 Mid-Touch-Left (1 RB#0)
DUT: 4G Smart Phone; Type: AGM H5

Communication System: LTE; Communication System Band: LTE Band 4; Duty Cycle:1:1;
Frequency:1732.5 MHz; Medium parameters used: f =1750 MHz; σ= 1.37 mho/m; εr =40.12; ρ= 1000 kg/m³ ;
Phantom section: Left Section
Ambient temperature (℃): 20.3, Liquid temperature (℃): 20.1

DASY Configuration:
• Probe: EX3DV4 – SN:3953; ConvF(8.55, 8.55, 8.55); Calibrated: Aug. 27,2021;
• Sensor-Surface: 3mm (Mechanical Surface Detection), z = 1.0, 31.0
• Electronics: DAE4 SN1398; Calibrated: May 17,2021
• Phantom: SAM (20deg probe tilt) with CRP v5.0; Type: QD000P40CD;
• DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

Configuration 4/L-C/Area Scan (8x14x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.428 W/kg
Configuration 4/L-C/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.004 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 0.572 W/kg
SAR(1 g) = 0.365 W/kg; SAR(10 g) = 0.226 W/kg
Maximum value of SAR (measured) = 0.423 W/kg

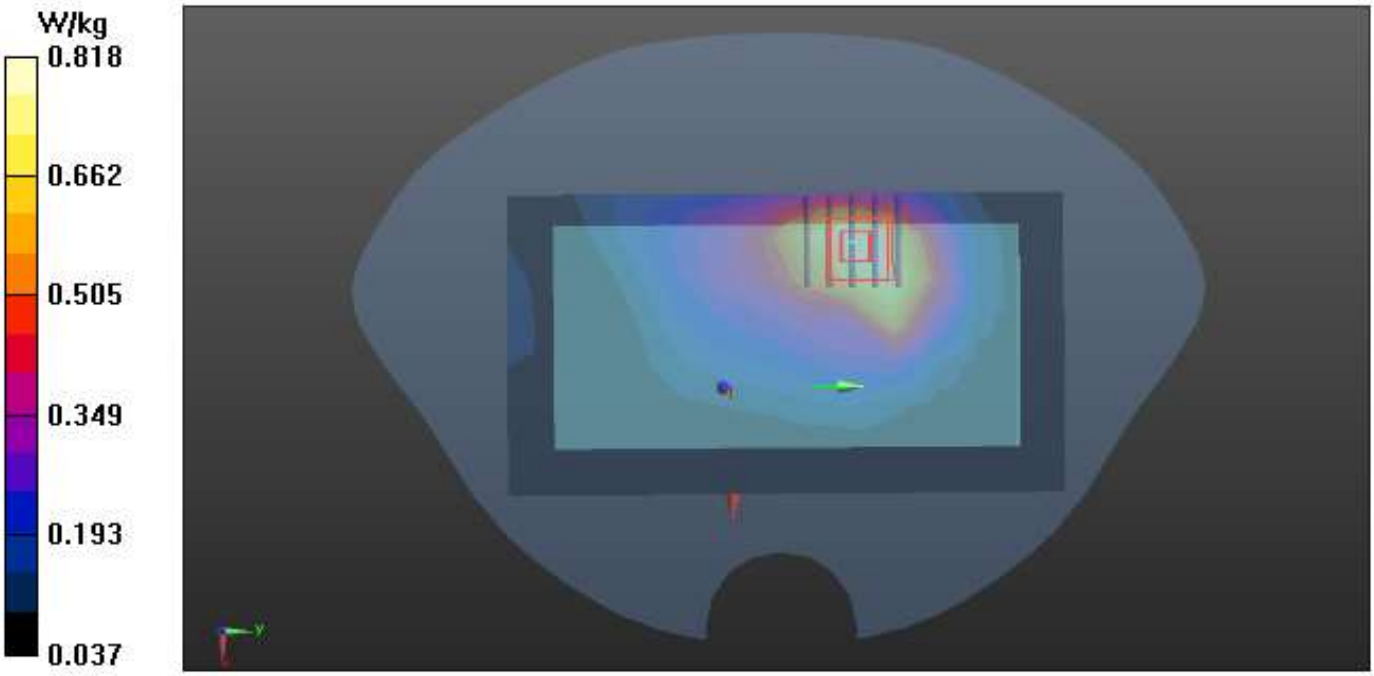


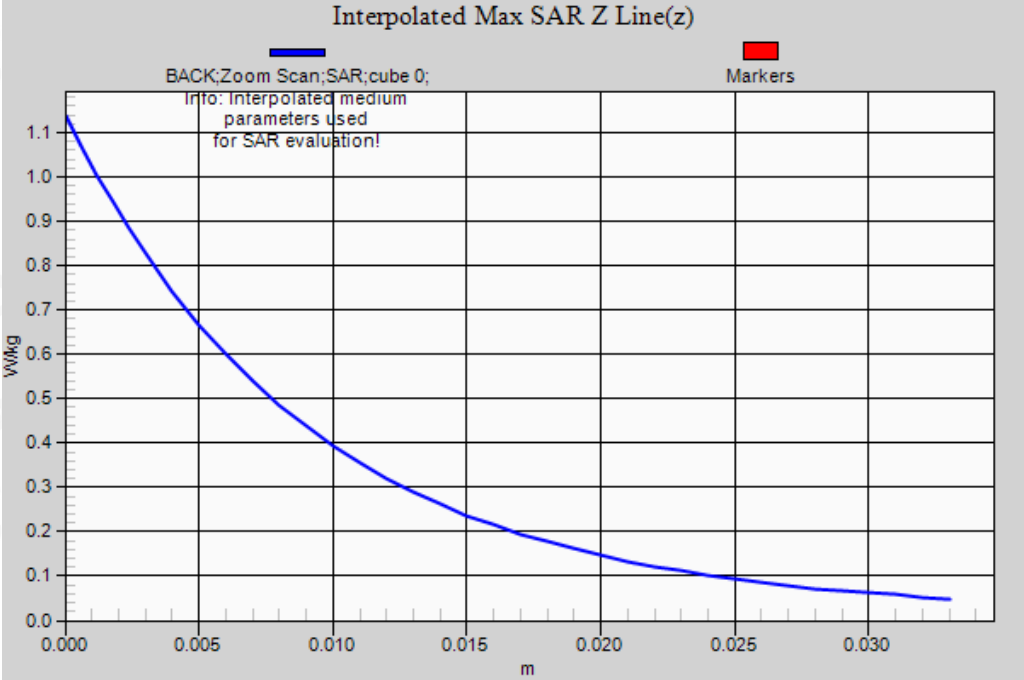
Test Laboratory: AGC Lab **Date: Jan. 05, 2022**
LTE Band 4 Mid-Body-Back (1 RB#0)
DUT: 4G Smart Phone; Type: AGM H5

Communication System: LTE; Communication System Band: LTE Band 4; Duty Cycle:1:1;
Frequency:1732.5 MHz; Medium parameters used: f = 1750 MHz; σ= 1.37 mho/m; εr =40.12; ρ= 1000 kg/m^3 ;
Phantom section: Flat Section
Ambient temperature (℃): 20.3, Liquid temperature (℃): 20.1

DASY Configuration:
• Probe: EX3DV4 – SN:3953; ConvF(8.55, 8.55, 8.55); Calibrated: Aug. 27,2021;
• Sensor-Surface: 3mm (Mechanical Surface Detection), z = 1.0, 31.0
• Electronics: DAE4 SN1398; Calibrated: May 17,2021
• Phantom: SAM (20deg probe tilt) with CRP v5.0; Type: QD000P40CD;
• DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

Configuration/BACK/Area Scan (8x14x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.861 W/kg
Configuration/BACK/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 13.372 V/m; Power Drift = 0.17 dB
Peak SAR (extrapolated) = 1.14 W/kg
SAR(1 g) = 0.678 W/kg; SAR(10 g) = 0.403 W/kg
Maximum value of SAR (measured) = 0.818 W/kg



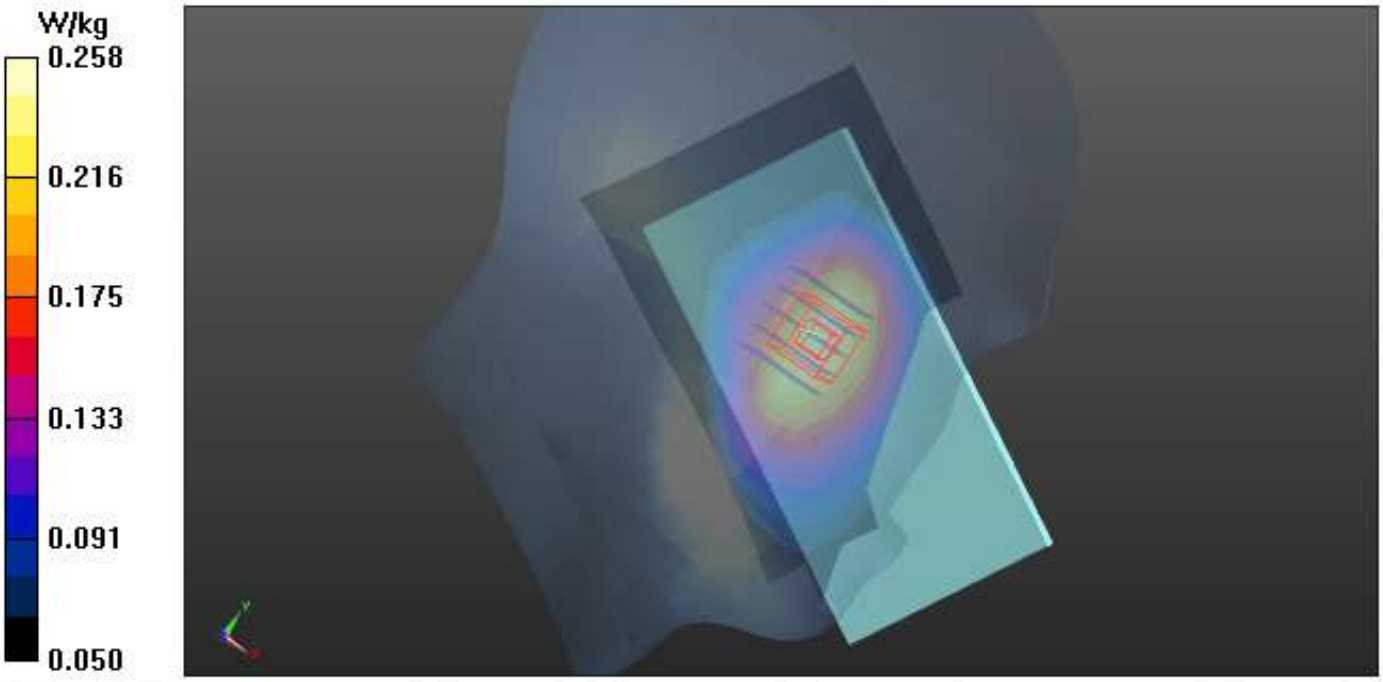


Test Laboratory: AGC Lab **Date: Jan. 14, 2022**
LTE Band 5 Mid-Touch-Left (1 RB#0)
DUT: 4G Smart Phone; Type: AGM H5

Communication System: LTE; Communication System Band: LTE Band 5; Duty Cycle:1:1;
Frequency: 836.5 MHz; Medium parameters used: f = 835 MHz; σ=0.89 mho/m; εr =41.32; ρ= 1000 kg/m³ ;
Phantom section: Left Section
Ambient temperature (℃): 21.2, Liquid temperature (℃): 21.0

DASY Configuration:
• Probe: EX3DV4 – SN:3953; ConvF(10.01, 10.01, 10.01); Calibrated: Aug. 27,2021;
• Sensor-Surface: 1.4mm (Mechanical Surface Detection), z = 1.0, 31.0
• Electronics: DAE4 SN1398; Calibrated: May 17,2021
• Phantom: SAM (20deg probe tilt) with CRP v5.0; Type: QD000P40CD;
• DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

Configuration 4/L-C/Area Scan (8x14x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.240 W/kg
Configuration 4/L-C/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 5.831 V/m; Power Drift = 0.12 dB
Peak SAR (extrapolated) = 0.283 W/kg
SAR(1 g) = 0.237 W/kg; SAR(10 g) = 0.189 W/kg
Maximum value of SAR (measured) = 0.258 W/kg

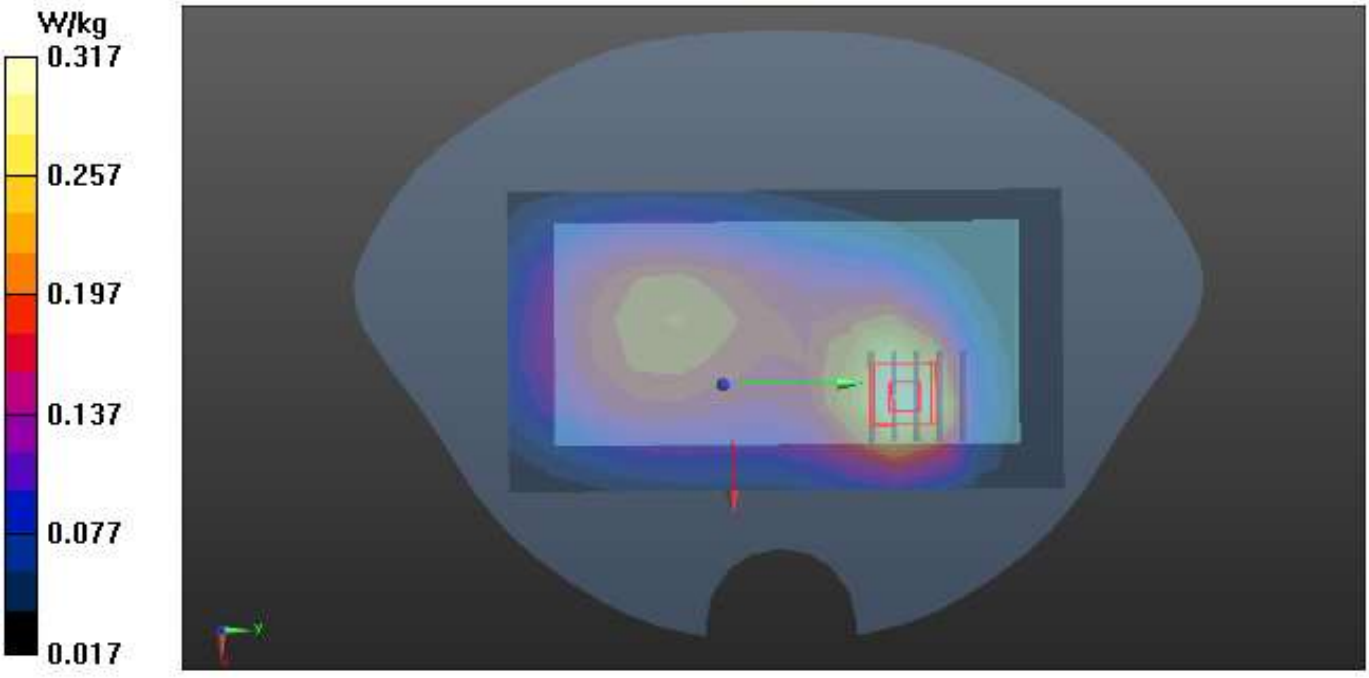


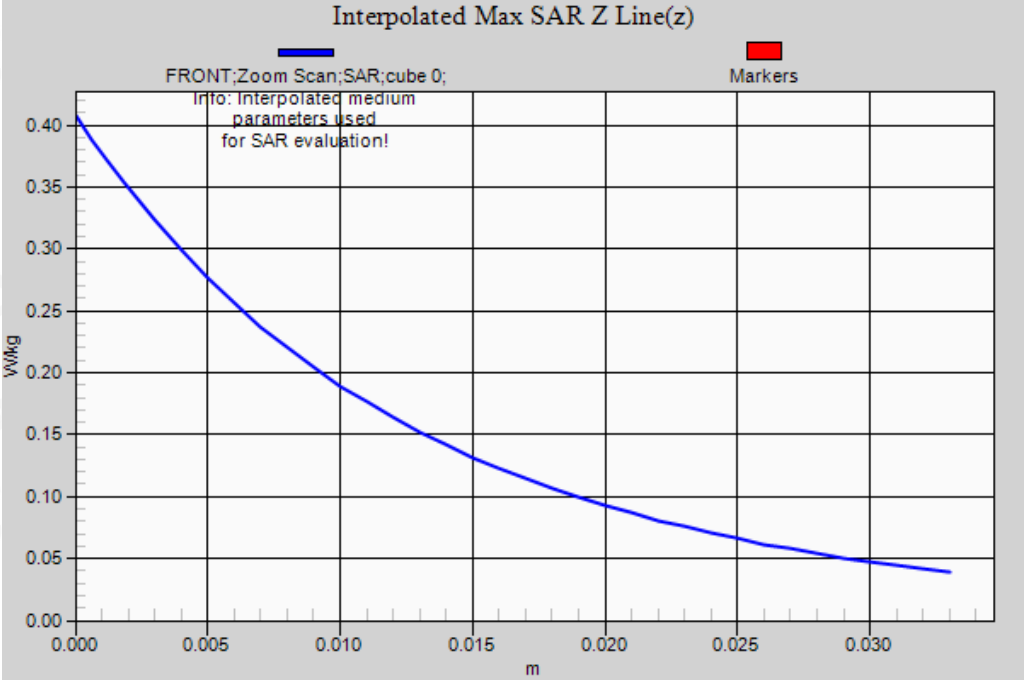
Test Laboratory: AGC Lab **Date: Jan. 14, 2022**
LTE Band 5 Mid-Body-Front (1 RB#0)
DUT: 4G Smart Phone; Type: AGM H5

Communication System: LTE; Communication System Band: LTE Band 5; Duty Cycle:1:1;
Frequency:836.5 MHz; Medium parameters used: f = 835 MHz; σ=0.89mho/m; εr =41.32; ρ= 1000 kg/m³ ;
Phantom section: Flat Section
Ambient temperature (℃): 21.2, Liquid temperature (℃): 21.0

DASY Configuration:
• Probe: EX3DV4 – SN:3953; ConvF(10.01, 10.01, 10.01); Calibrated: Aug. 27,2021;
• Sensor-Surface: 1.4mm (Mechanical Surface Detection), z = 1.0, 31.0
• Electronics: DAE4 SN1398; Calibrated: May 17,2021
• Phantom: SAM (20deg probe tilt) with CRP v5.0; Type: QD000P40CD;
• DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

Configuration/FRONT/Area Scan (8x14x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.333 W/kg
Configuration/FRONT/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 14.327 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 0.407 W/kg
SAR(1 g) = 0.280 W/kg; SAR(10 g) = 0.187 W/kg
Maximum value of SAR (measured) = 0.317 W/kg



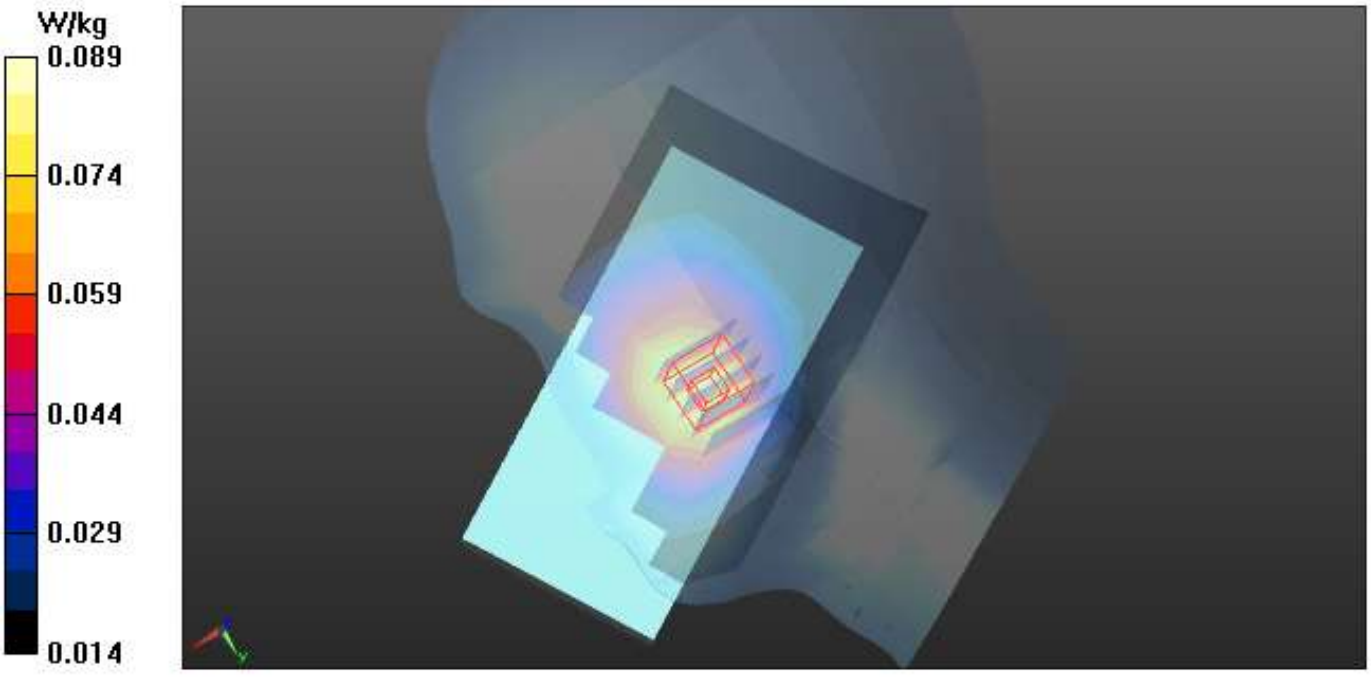


Test Laboratory: AGC Lab **Date: Jan. 08, 2022**
LTE Band 12 Mid-Touch-Right (1 RB#0)
DUT: 4G Smart Phone; Type: AGM H5

Communication System: LTE; Communication System Band: LTE Band 12; Duty Cycle:1:1;
Frequency: 707.5 MHz; Medium parameters used: f = 750 MHz; σ=0.85 mho/m; εr =43.46; ρ= 1000 kg/m³ ;
Phantom section: Left Section
Ambient temperature (℃): 21.1, Liquid temperature (℃): 20.9

DASY Configuration:
• Probe: EX3DV4 – SN:3953; ConvF(10.37, 10.37, 10.37); Calibrated: Aug. 27,2021;
• Sensor-Surface: 1.4mm (Mechanical Surface Detection), z = 1.0, 31.0
• Electronics: DAE4 SN1398; Calibrated: May 17,2021
• Phantom: SAM (20deg probe tilt) with CRP v5.0; Type: QD000P40CD;
• DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

Configuration 5/R-C/Area Scan (8x14x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.0809 W/kg
Configuration 5/R-C/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.253 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 0.106 W/kg
SAR(1 g) = 0.081 W/kg; SAR(10 g) = 0.062 W/kg
Maximum value of SAR (measured) = 0.0885 W/kg

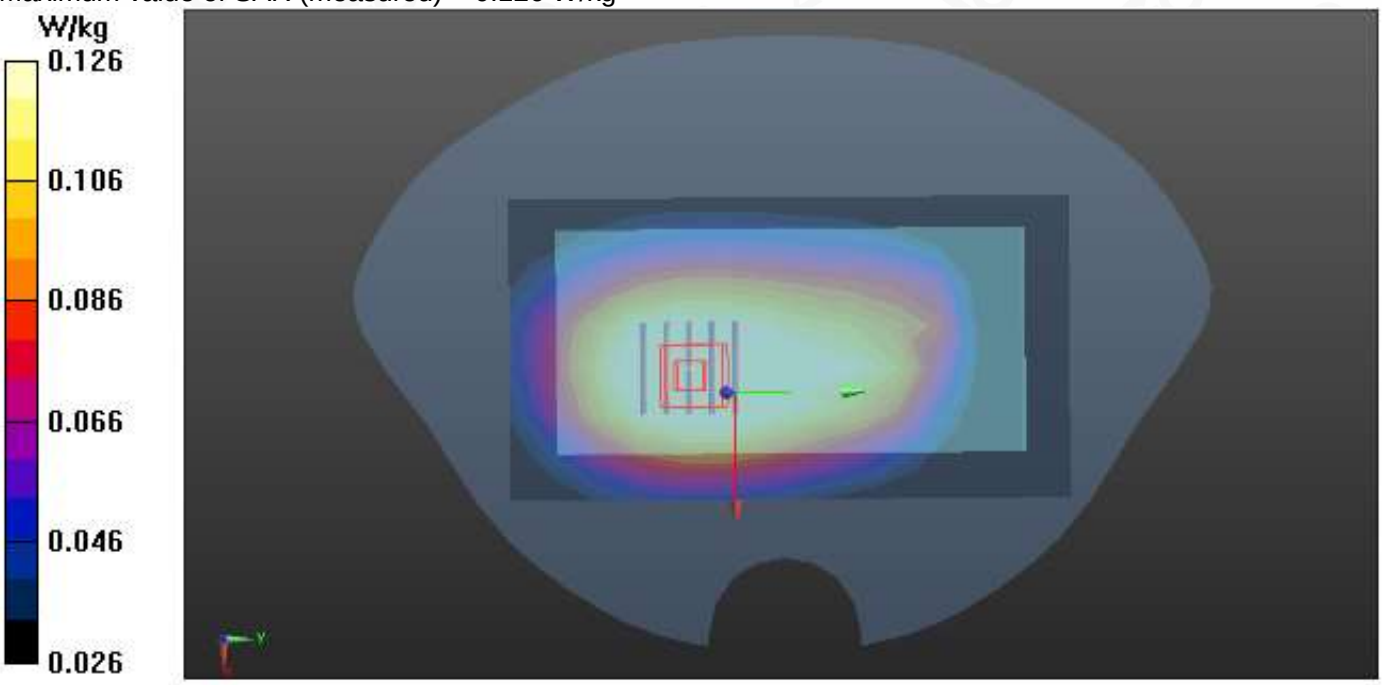


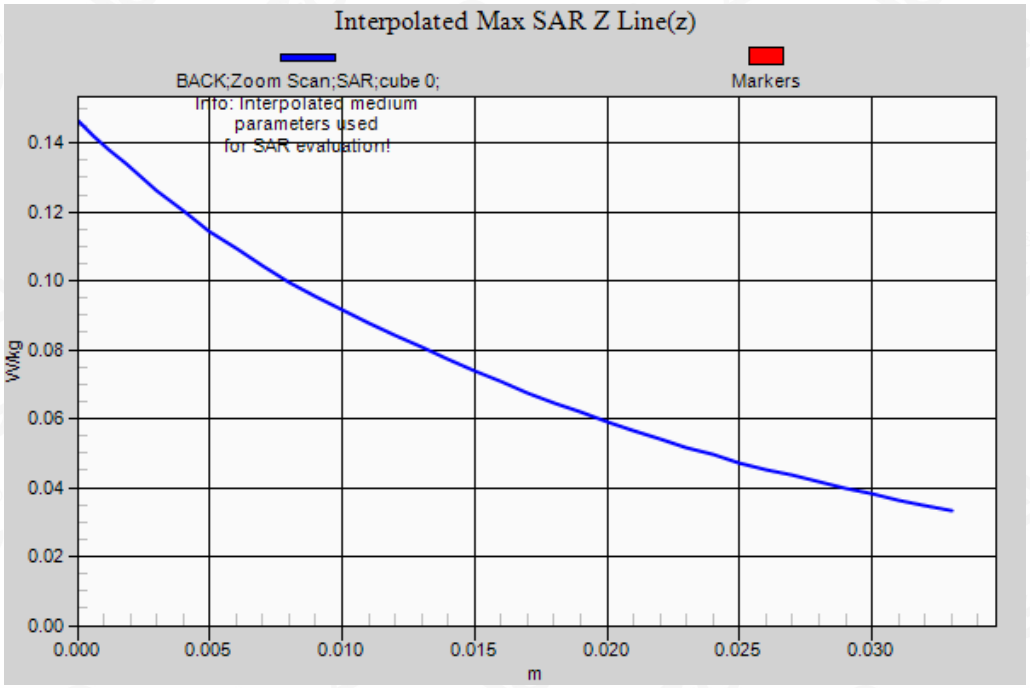
Test Laboratory: AGC Lab **Date: Jan. 08, 2022**
LTE Band 12 Mid-Body-Back (1 RB#0)
DUT: 4G Smart Phone; Type: AGM H5

Communication System: LTE; Communication System Band: LTE Band 12; Duty Cycle:1:1;
Frequency: 707.5 MHz; Medium parameters used: f = 750 MHz; σ=0.85 mho/m; εr =43.46; ρ= 1000 kg/m³ ;
Phantom section: Flat Section
Ambient temperature (℃): 21.1, Liquid temperature (℃): 20.9

DASY Configuration:
• Probe: EX3DV4 – SN:3953; ConvF(10.37, 10.37, 10.37); Calibrated: Aug. 27,2021;
• Sensor-Surface: 1.4mm (Mechanical Surface Detection), z = 1.0, 31.0
• Electronics: DAE4 SN1398; Calibrated: May 17,2021
• Phantom: SAM (20deg probe tilt) with CRP v5.0; Type: QD000P40CD;
• DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

Configuration/BACK/Area Scan (8x14x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.146 W/kg
Configuration/BACK/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.308 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 0.146 W/kg
SAR(1 g) = 0.115 W/kg; SAR(10 g) = 0.090 W/kg
Maximum value of SAR (measured) = 0.126 W/kg



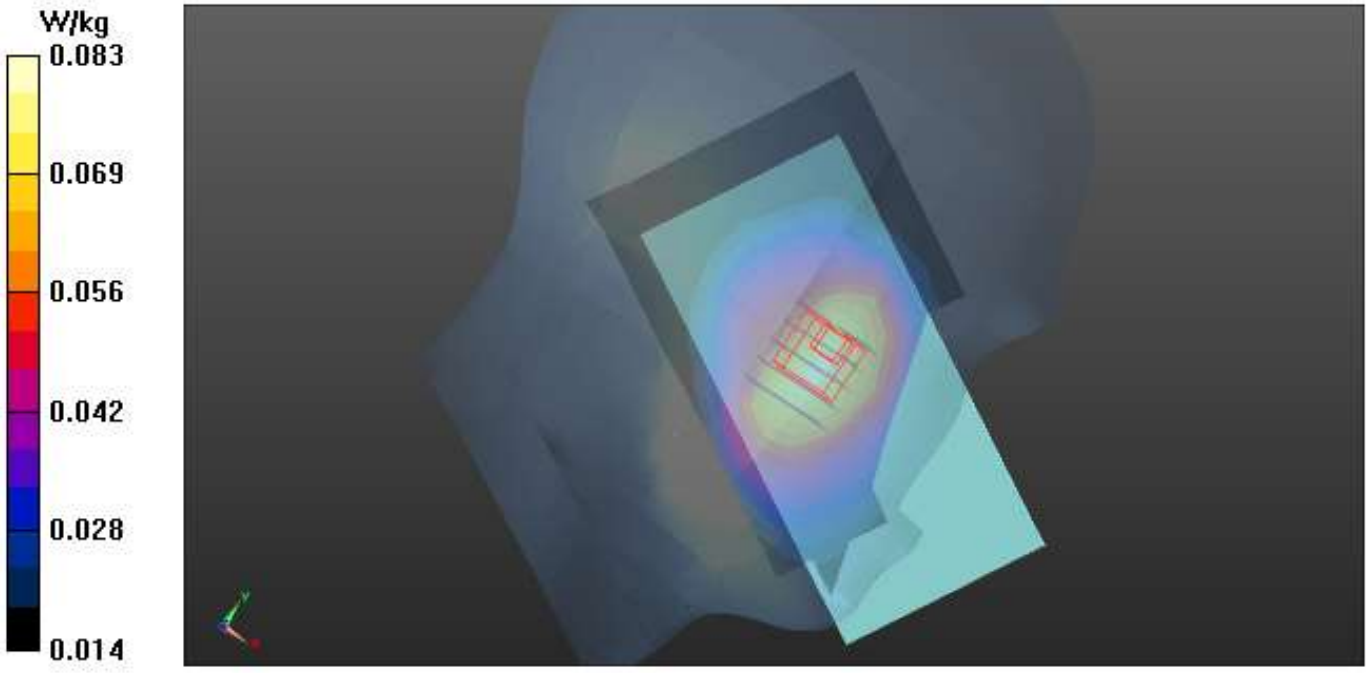


Test Laboratory: AGC Lab **Date: Jan. 08, 2022**
LTE Band 13 Mid-Touch-Left (1 RB#0)
DUT: 4G Smart Phone; Type: AGM H5

Communication System: LTE; Communication System Band: LTE Band 13; Duty Cycle:1:1;
Frequency: 782 MHz; Medium parameters used: f = 750 MHz; σ=0.89 mho/m; ε_r =42.59; ρ= 1000 kg/m^3 ;
Phantom section: Left Section
Ambient temperature (℃): 21.1, Liquid temperature (℃): 20.9

DASY Configuration:
• Probe: EX3DV4 – SN:3953; ConvF(10.37, 10.37, 10.37); Calibrated: Aug. 27,2021;
• Sensor-Surface: 1.4mm (Mechanical Surface Detection), z = 1.0, 31.0
• Electronics: DAE4 SN1398; Calibrated: May 17,2021
• Phantom: SAM (20deg probe tilt) with CRP v5.0; Type: QD000P40CD;
• DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

Configuration 4/L-C/Area Scan (8x14x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.0829 W/kg
Configuration 4/L-C/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 4.443 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 0.100 W/kg
SAR(1 g) = 0.077 W/kg; SAR(10 g) = 0.060 W/kg
Maximum value of SAR (measured) = 0.0832 W/kg

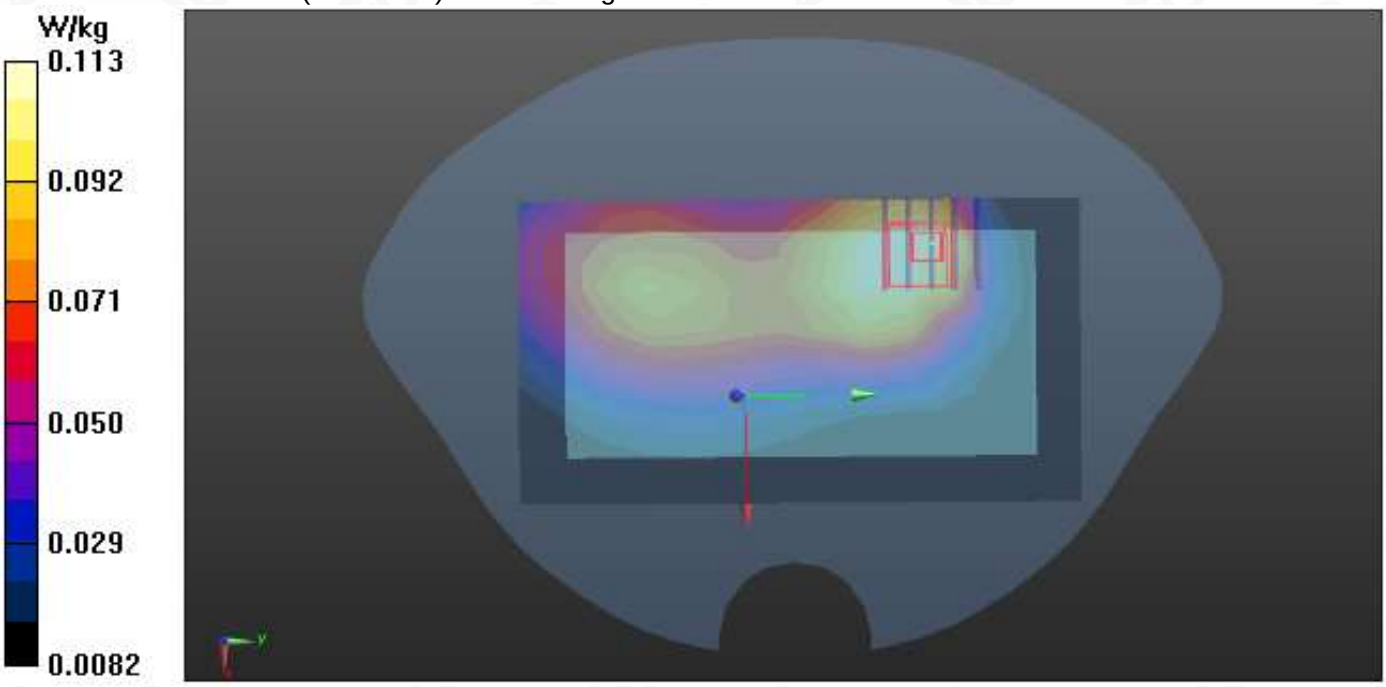


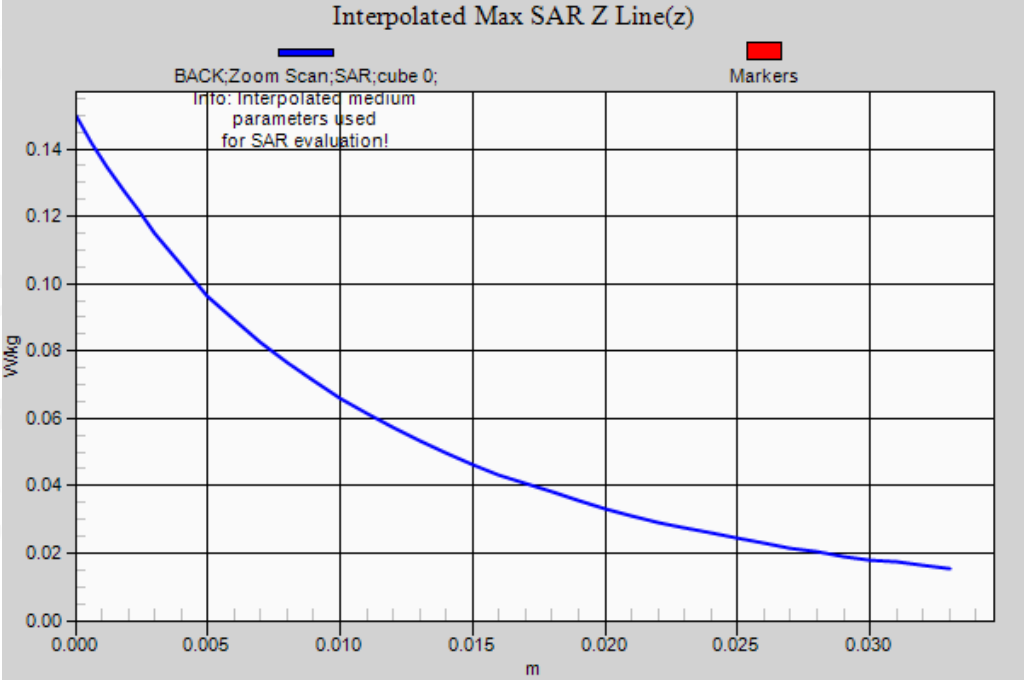
Test Laboratory: AGC Lab **Date: Jan. 08, 2022**
LTE Band 13 Mid-Body-Back (1 RB#0)
DUT: 4G Smart Phone; Type: AGM H5

Communication System: LTE; Communication System Band: LTE Band 13; Duty Cycle:1:1;
Frequency: 782 MHz; Medium parameters used: f = 750 MHz; σ=0.89 mho/m; εr =42.59; ρ= 1000 kg/m³ ;
Phantom section: Flat Section
Ambient temperature (℃): 21.1, Liquid temperature (℃): 20.9

DASY Configuration:
• Probe: EX3DV4 – SN:3953; ConvF(10.37, 10.37, 10.37); Calibrated: Aug. 27,2021;
• Sensor-Surface: 1.4mm (Mechanical Surface Detection), z = 1.0, 31.0
• Electronics: DAE4 SN1398; Calibrated: May 17,2021
• Phantom: SAM (20deg probe tilt) with CRP v5.0; Type: QD000P40CD;
• DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

Configuration/BACK/Area Scan (8x14x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.115 W/kg
Configuration/BACK/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.423 V/m; Power Drift = 0.18 dB
Peak SAR (extrapolated) = 0.150 W/kg
SAR(1 g) = 0.097 W/kg; SAR(10 g) = 0.066 W/kg
Maximum value of SAR (measured) = 0.113 W/kg



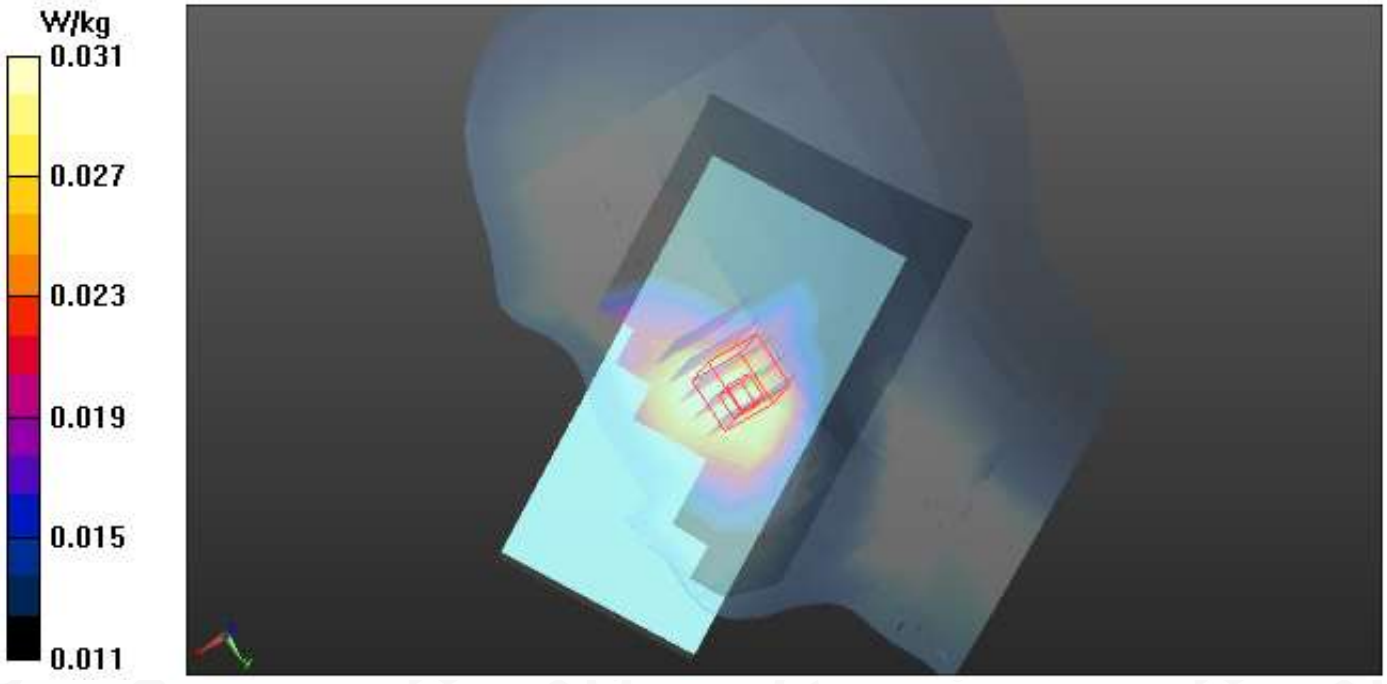


Test Laboratory: AGC Lab **Date: Jan. 08, 2022**
LTE Band 17 Mid-Touch-Right (1 RB#0)
DUT: 4G Smart Phone; Type: AGM H5

Communication System: LTE; Communication System Band: LTE Band 17; Duty Cycle:1:1;
Frequency: 710 MHz; Medium parameters used: f = 750 MHz; σ=0.86 mho/m; εr =43.17; ρ= 1000 kg/m³ ;
Phantom section: Left Section
Ambient temperature (℃): 21.1, Liquid temperature (℃): 20.9

DASY Configuration:
• Probe: EX3DV4 – SN:3953; ConvF(10.37, 10.37, 10.37); Calibrated: Aug. 27,2021;
• Sensor-Surface: 1.4mm (Mechanical Surface Detection), z = 1.0, 31.0
• Electronics: DAE4 SN1398; Calibrated: May 17,2021
• Phantom: SAM (20deg probe tilt) with CRP v5.0; Type: QD000P40CD;
• DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

Configuration 5/R-C/Area Scan (8x14x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.0322 W/kg
Configuration 5/R-C/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.538 V/m; Power Drift = 0.11 dB
Peak SAR (extrapolated) = 0.0400 W/kg
SAR(1 g) = 0.030 W/kg; SAR(10 g) = 0.025 W/kg
Maximum value of SAR (measured) = 0.0312 W/kg

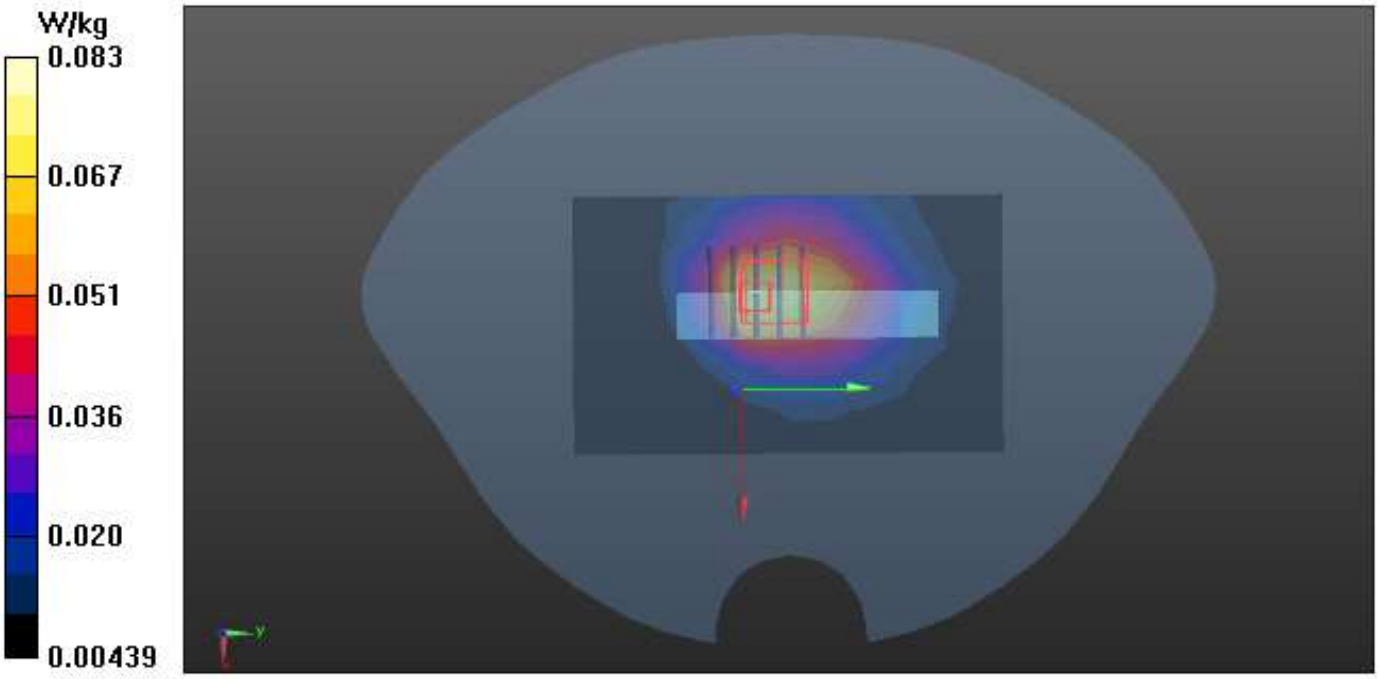


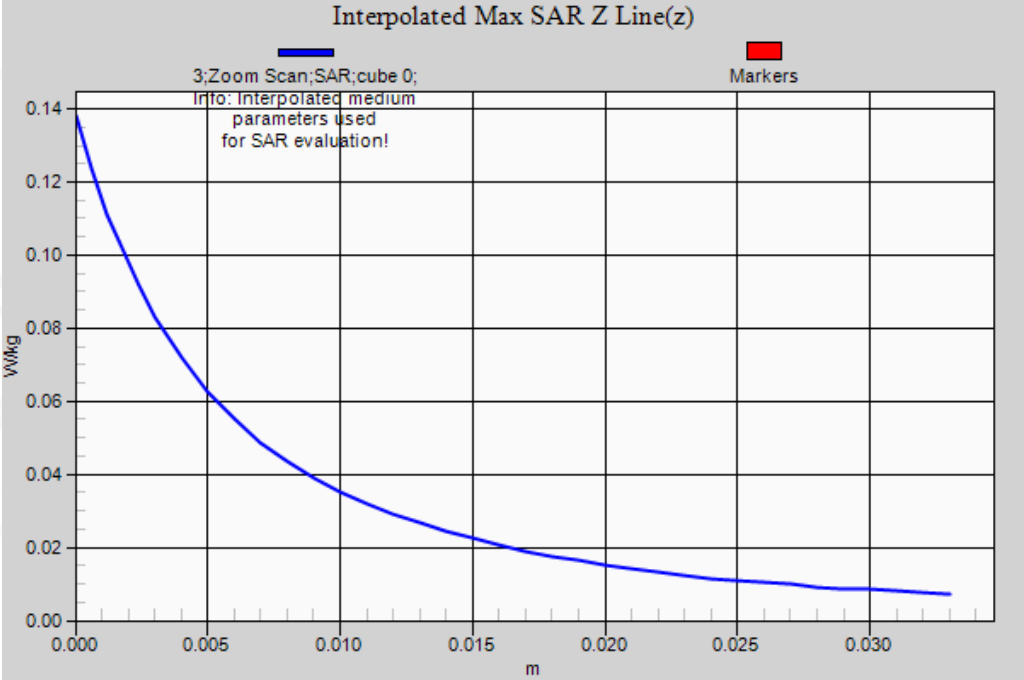
Test Laboratory: AGC Lab **Date: Jan. 08, 2022**
LTE Band 17 Mid- Edge 3((1 RB#0)
DUT: 4G Smart Phone; Type: AGM H5

Communication System: LTE; Communication System Band: LTE Band 17; Duty Cycle:1:1;
Frequency: 710 MHz; Medium parameters used: f = 750 MHz; σ=0.86 mho/m; εr =43.17; ρ= 1000 kg/m³ ;
Phantom section: Flat Section
Ambient temperature (℃): 21.1, Liquid temperature (℃): 20.9

DASY Configuration:
• Probe: EX3DV4 – SN:3953; ConvF(10.37, 10.37, 10.37); Calibrated: Aug. 27,2021;
• Sensor-Surface: 1.4mm (Mechanical Surface Detection), z = 1.0, 31.0
• Electronics: DAE4 SN1398; Calibrated: May 17,2021
• Phantom: SAM (20deg probe tilt) with CRP v5.0; Type: QD000P40CD;
• DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

Configuration 2/3/Area Scan (7x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.0765 W/kg
Configuration 2/3/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.600 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 0.138 W/kg
SAR(1 g) = 0.069 W/kg; SAR(10 g) = 0.043 W/kg
Maximum value of SAR (measured) = 0.0825 W/kg



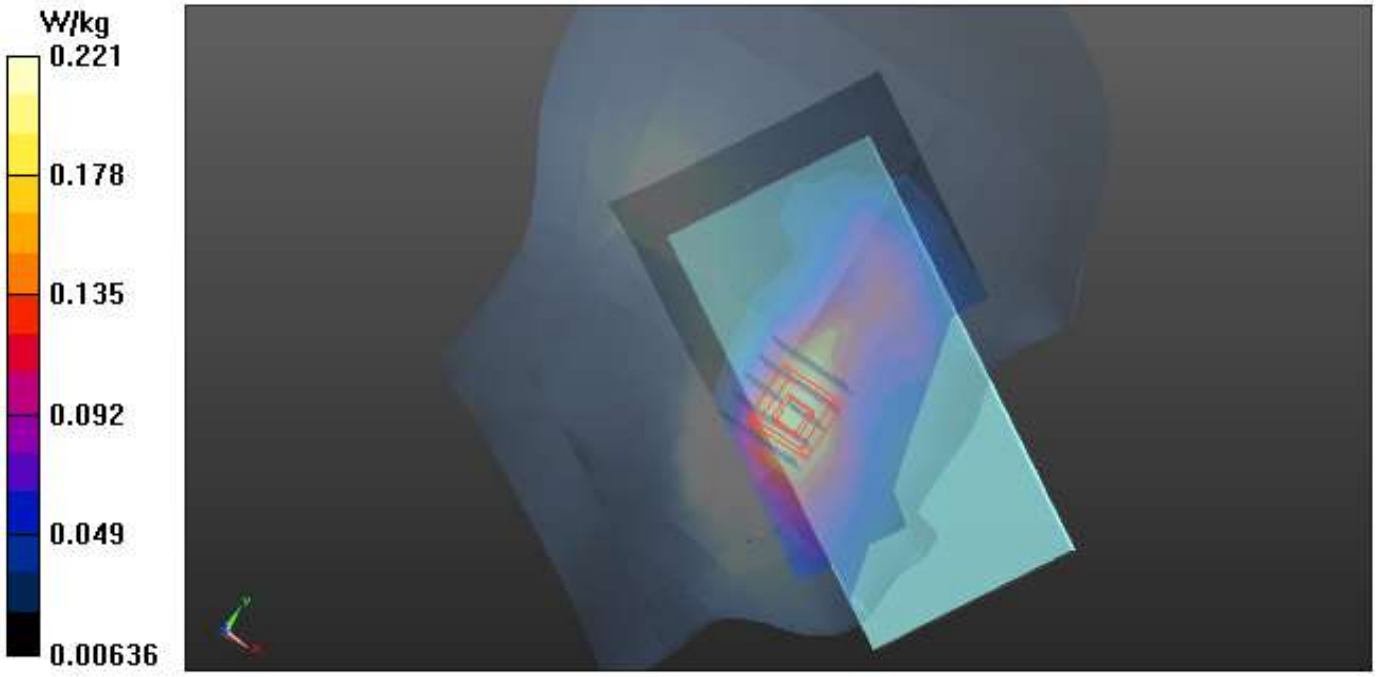


Test Laboratory: AGC Lab **Date: Dec. 29, 2021**
LTE Band 25 Mid-Touch-Left <SIM 1>
DUT: 4G Smart Phone; Type: AGM H5

Communication System: LTE; Communication System Band: LTE Band 25; Duty Cycle: 1:1;
Frequency: 1882.5 MHz; Medium parameters used: f = 1900 MHz; σ=1.40 mho/m; εr =40.13; ρ= 1000 kg/m³ ;
Phantom section: Left Section
Ambient temperature (℃): 20.5, Liquid temperature (℃): 20.3

DASY Configuration:
• Probe: EX3DV4 – SN:3953; ConvF(8.26, 8.26, 8.26); Calibrated: Aug. 27,2021;
• Sensor-Surface: 3mm (Mechanical Surface Detection), z = 1.0, 31.0
• Electronics: DAE4 SN1398; Calibrated: May 17,2021
• Phantom: SAM (20deg probe tilt) with CRP v5.0; Type: QD000P40CD;
• DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

Configuration 4/L-C/Area Scan (8x14x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.199 W/kg
Configuration 4/L-C/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 4.027 V/m; Power Drift = 0.14 dB
Peak SAR (extrapolated) = 0.283 W/kg
SAR(1 g) = 0.187 W/kg; SAR(10 g) = 0.116 W/kg
Maximum value of SAR (measured) = 0.221 W/kg

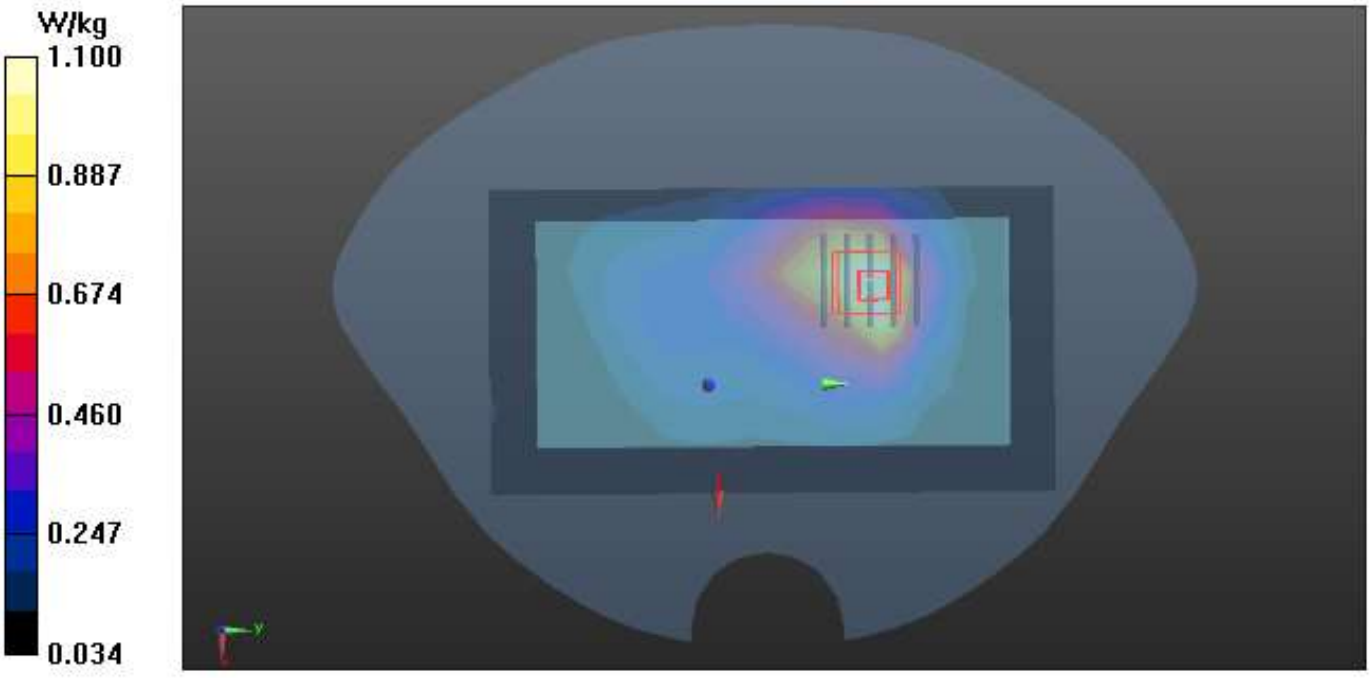


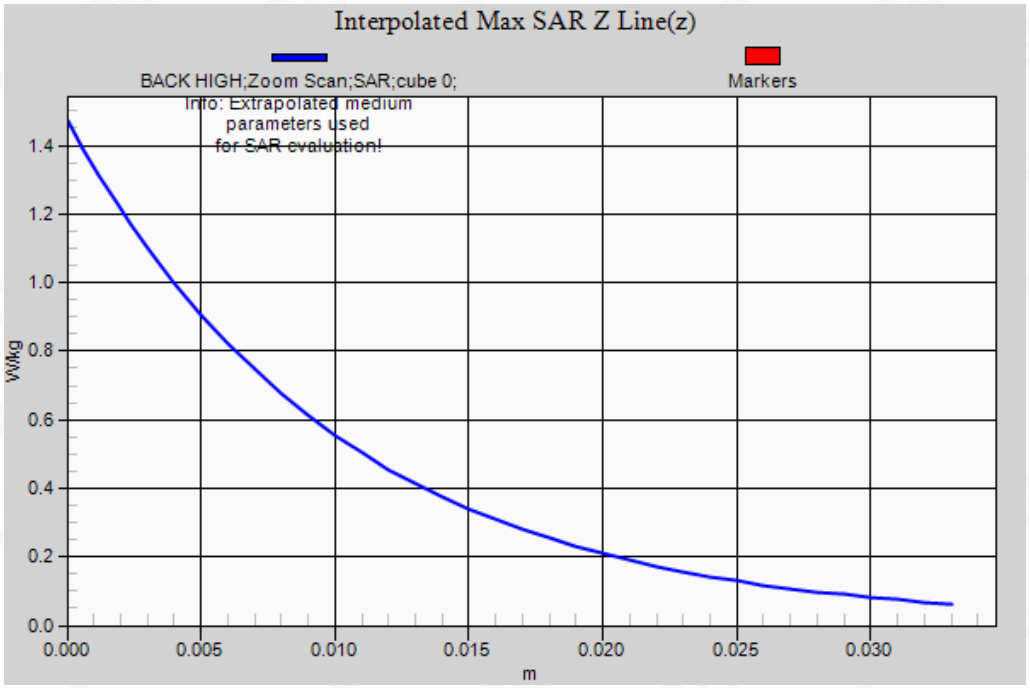
Test Laboratory: AGC Lab **Date: Dec. 29, 2021**
LTE Band 25 High-Body- Back (1 RB#0)
DUT: 4G Smart Phone; Type: AGM H5

Communication System: LTE; Communication System Band: LTE Band 25; Duty Cycle: 1:1;
Frequency: 1905 MHz; Medium parameters used: f = 1900 MHz; σ=1.40 mho/m; εr =40.13; ρ= 1000 kg/m³ ;
Phantom section: Flat Section
Ambient temperature (℃): 20.5, Liquid temperature (℃): 20.3

DASY Configuration:
• Probe: EX3DV4 – SN:3953; ConvF(8.26, 8.26, 8.26); Calibrated: Aug. 27,2021;
• Sensor-Surface: 3mm (Mechanical Surface Detection), z = 1.0, 31.0
• Electronics: DAE4 SN1398; Calibrated: May 17,2021
• Phantom: SAM (20deg probe tilt) with CRP v5.0; Type: QD000P40CD;
• DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

Configuration/BACK HIGH/Area Scan (8x14x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 1.17 W/kg
Configuration/BACK HIGH/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 14.504 V/m; Power Drift = 0.11 dB
Peak SAR (extrapolated) = 1.47 W/kg
SAR(1 g) = 0.911 W/kg; SAR(10 g) = 0.542 W/kg
Maximum value of SAR (measured) = 1.10 W/kg



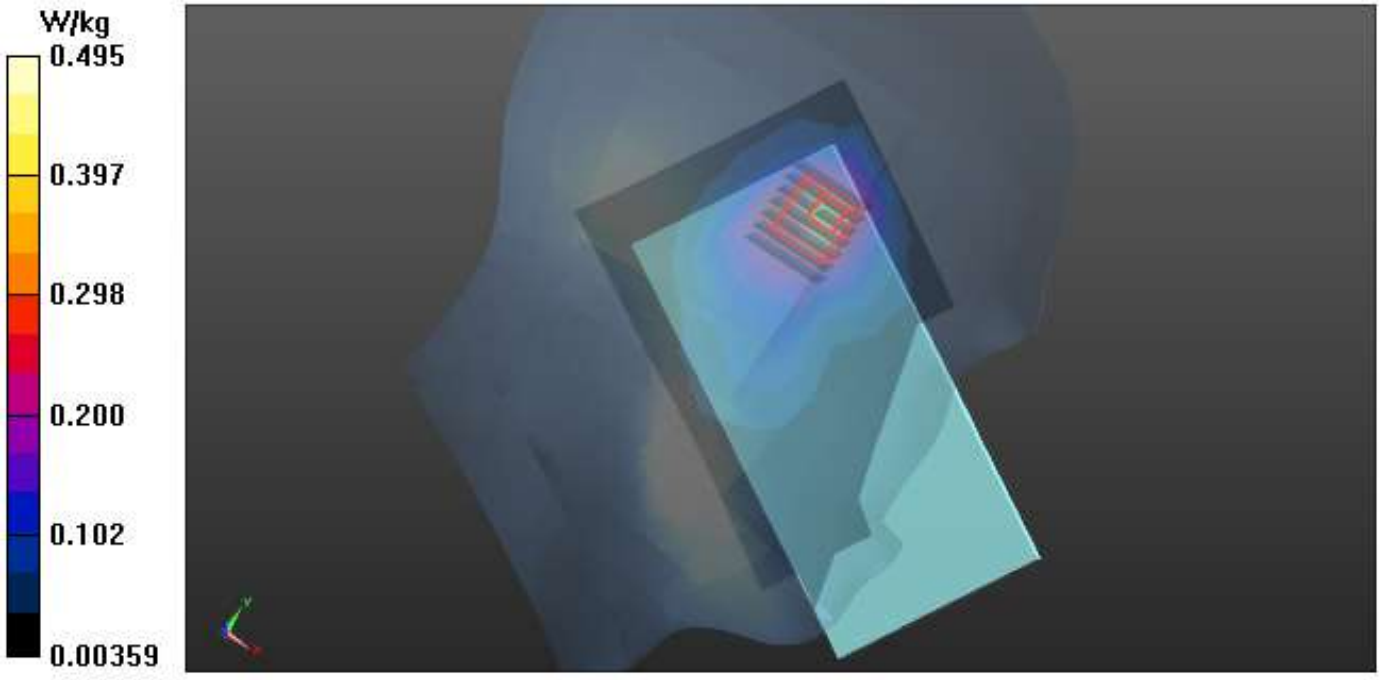


WIFI MODE
Test Laboratory: AGC Lab **Date: Jan. 07, 2022**
802.11b Mid-Touch-Left
DUT: 4G Smart Phone; Type: AGM H5

Communication System: Wi-Fi; Communication System Band: 802.11b; Duty Cycle: 1:1;
Frequency: 2437 MHz; Medium parameters used: f = 2450 MHz; σ=1.81 mho/m; εr =39.13;ρ= 1000 kg/m³ ;
Phantom section: Left Section
Ambient temperature (℃): 20.5, Liquid temperature (℃): 20.3

DASY Configuration:
• Probe: EX3DV4 – SN:3953; ConvF(7.60, 7.60, 7.60); Calibrated: Aug. 27,2021;
• Sensor-Surface: 3mm (Mechanical Surface Detection), z = 1.0, 31.0
• Electronics: DAE4 SN1398; Calibrated: May 17,2021
• Phantom: SAM (20deg probe tilt) with CRP v5.0; Type: QD000P40CD;
• DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

Configuration 4/L-C/Area Scan (8x14x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.422 W/kg
Configuration 4/L-C/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 8.291 V/m; Power Drift = 0.12 dB
Peak SAR (extrapolated) = 0.823 W/kg
SAR(1 g) = 0.385 W/kg; SAR(10 g) = 0.184 W/kg
Maximum value of SAR (measured) = 0.495 W/kg

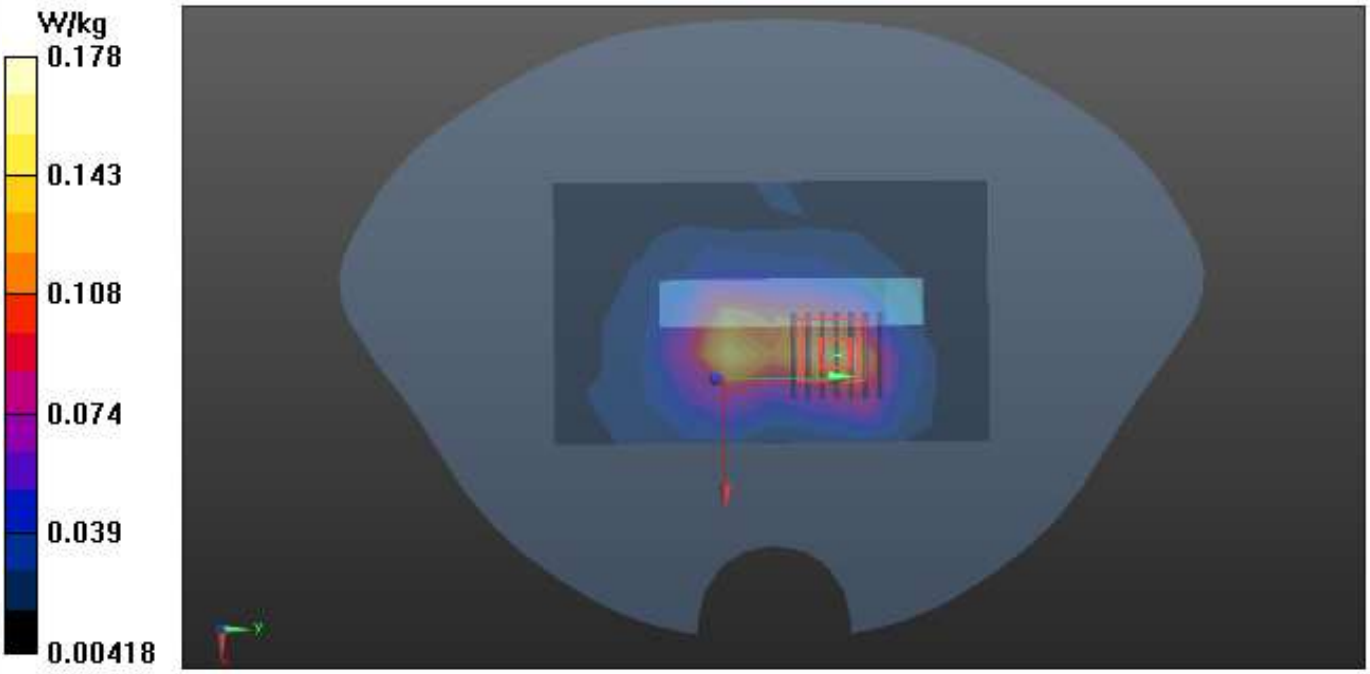


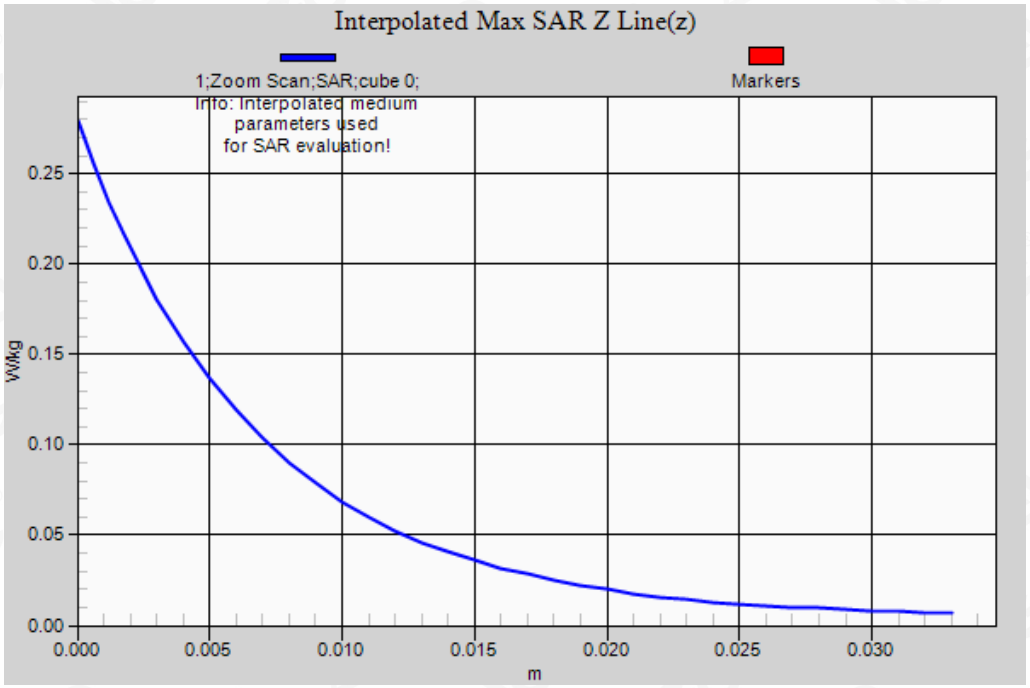
Test Laboratory: AGC Lab **Date: Jan. 07, 2022**
802.11b Mid- Edge 1 (DTS)
DUT: 4G Smart Phone; Type: AGM H5

Communication System: Wi-Fi; Communication System Band: 802.11b; Duty Cycle: 1:1;
Frequency: 2437 MHz; Medium parameters used: f = 2450 MHz; σ=1.81 mho/m; εr =39.13;; ρ= 1000 kg/m³ ;
Phantom section: Flat Section
Ambient temperature (℃): 20.5, Liquid temperature (℃): 20.3

DASY Configuration:
• Probe: EX3DV4 – SN:3953; ConvF(7.60, 7.60, 7.60); Calibrated: Aug. 27,2021;
• Sensor-Surface: 3mm (Mechanical Surface Detection), z = 1.0, 31.0
• Electronics: DAE4 SN1398; Calibrated: May 17,2021
• Phantom: SAM (20deg probe tilt) with CRP v5.0; Type: QD000P40CD;
• DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

Configuration 2/1/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 8.201 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 0.279 W/kg
SAR(1 g) = 0.141 W/kg; SAR(10 g) = 0.072 W/kg
Maximum value of SAR (measured) = 0.178 W/kg



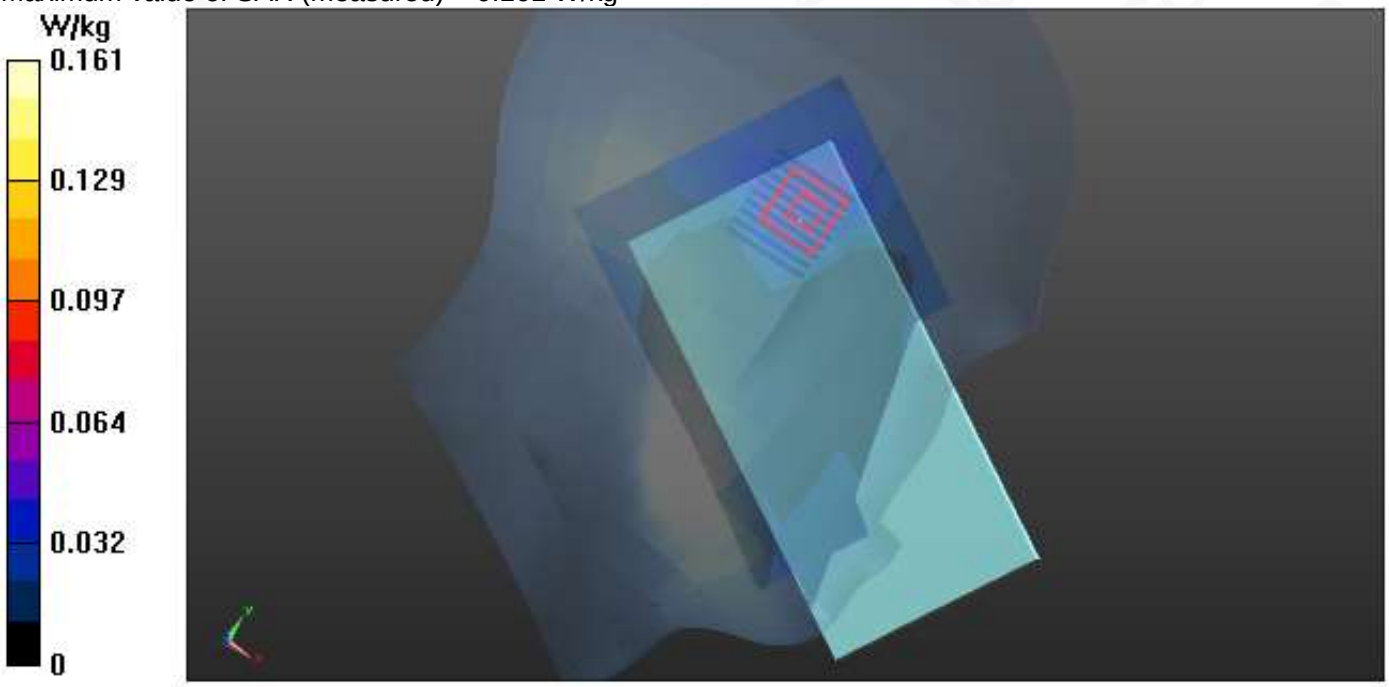


Test Laboratory: AGC Lab **Date: Jan. 05, 2022**
5.2GHz -802.11a CH40- Mid-Touch-Left
DUT: 4G Smart Phone; Type: AGM H5

Communication System: Wi-Fi; Communication System Band: 802.11a; Duty Cycle: 1:1
Frequency: 5200 MHz; Medium parameters used: f = 5250MHz; σ =4.63 mho/m; εr =35.64; ρ= 1000 kg/m³ ;
Phantom section: Left Section
Ambient temperature (℃): 20.3, Liquid temperature (℃): 20.1

DASY Configuration:
• Probe: EX3DV4 – SN:3953; ConvF(5.42, 5.42, 5.42); Calibrated: Aug. 27,2021;
• Sensor-Surface: 1.4mm (Mechanical Surface Detection), z = 1.0, 31.0
• Electronics: DAE4 SN1398; Calibrated: May 17,2021
• Phantom: SAM (20deg probe tilt) with CRP v5.0; Type: QD000P40CD;
• DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

Configuration 4/L-C/Area Scan (8x14x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.0594 W/kg
Configuration 4/L-C/Zoom Scan (9x9x16)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 2.666 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 0.624 W/kg
SAR(1 g) = 0.087 W/kg; SAR(10 g) = 0.039 W/kg
Maximum value of SAR (measured) = 0.161 W/kg

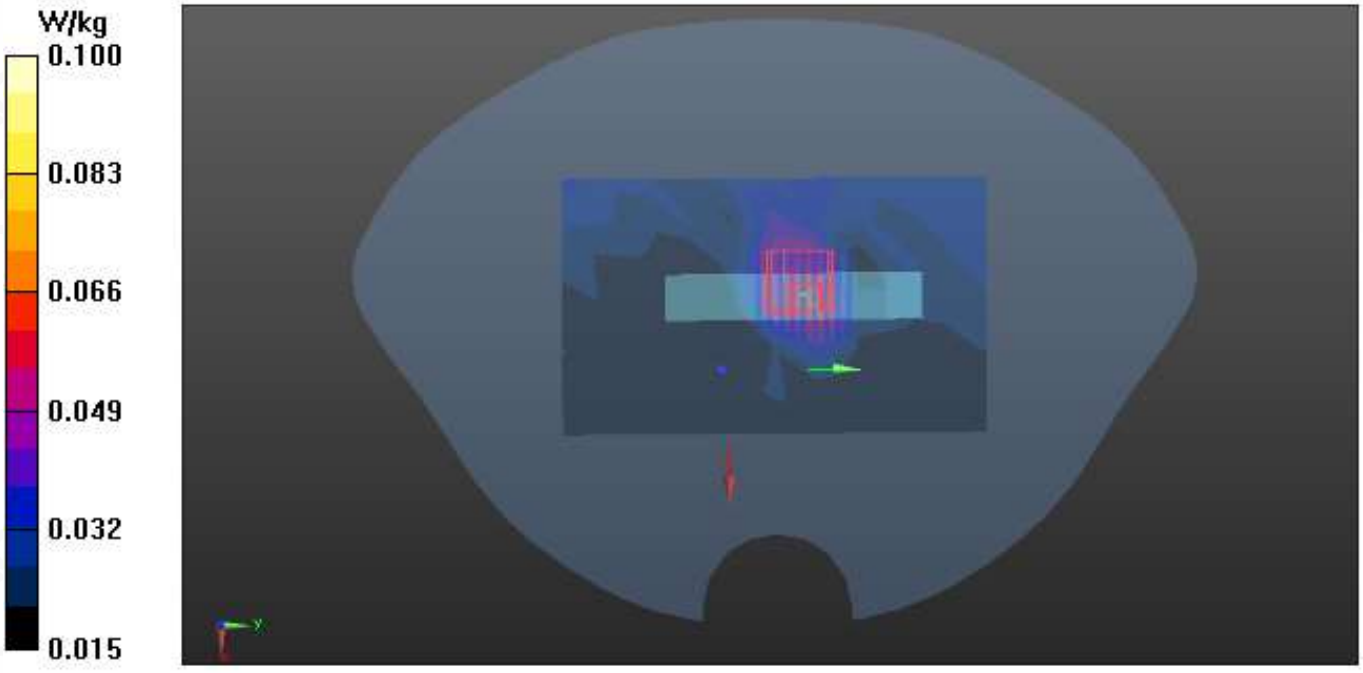


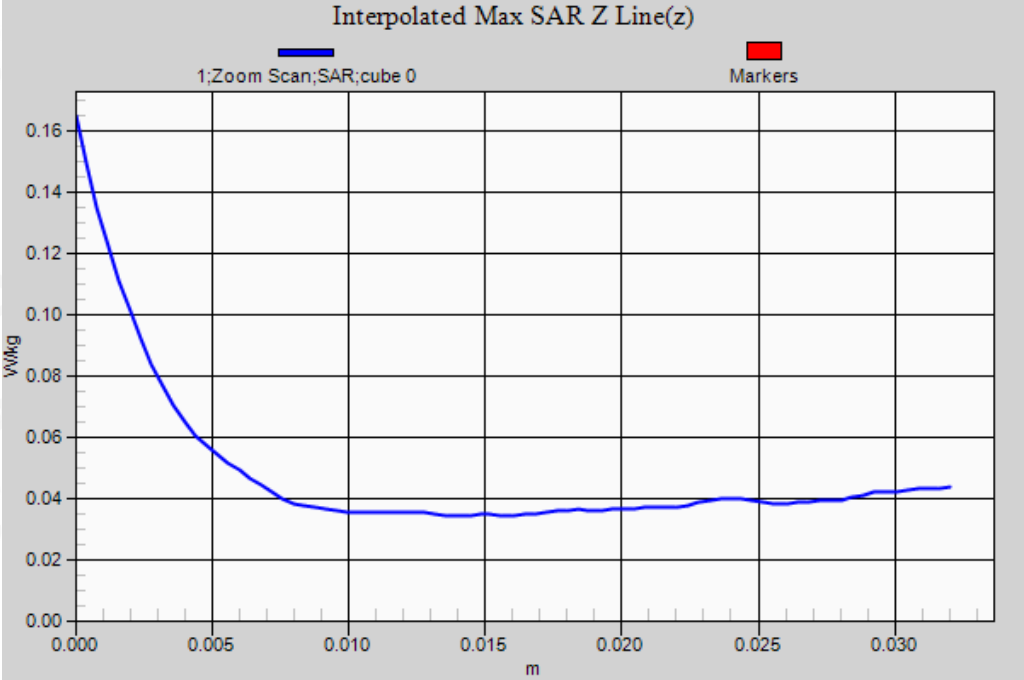
Test Laboratory: AGC Lab **Date: Jan. 05, 2022**
5.2GHz -802.11a CH40- Mid-Edge 1 (Top)
DUT: 4G Smart Phone; Type: AGM H5

Communication System: Wi-Fi; Communication System Band: 802.11a; Duty Cycle: 1:1
Frequency: 5200 MHz; Medium parameters used: f = 5250MHz; σ =4.63 mho/m; εr =35.64; ρ= 1000 kg/m³ ;
Phantom section: Flat Section
Ambient temperature (℃): 20.3, Liquid temperature (℃): 20.1

DASY Configuration:
• Probe: EX3DV4 – SN:3953; ConvF(5.42, 5.42, 5.42); Calibrated: Aug. 27,2021;
• Sensor-Surface: 1.4mm (Mechanical Surface Detection), z = 1.0, 31.0
• Electronics: DAE4 SN1398; Calibrated: May 17,2021
• Phantom: SAM (20deg probe tilt) with CRP v5.0; Type: QD000P40CD;
• DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

Configuration 2/1/Area Scan (7x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.0684 W/kg
Configuration 2/1/Zoom Scan (9x9x16)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 2.997 V/m; Power Drift = 0.12 dB
Peak SAR (extrapolated) = 0.165 W/kg
SAR(1 g) = 0.066 W/kg; SAR(10 g) = 0.044 W/kg
Maximum value of SAR (measured) = 0.0998 W/kg



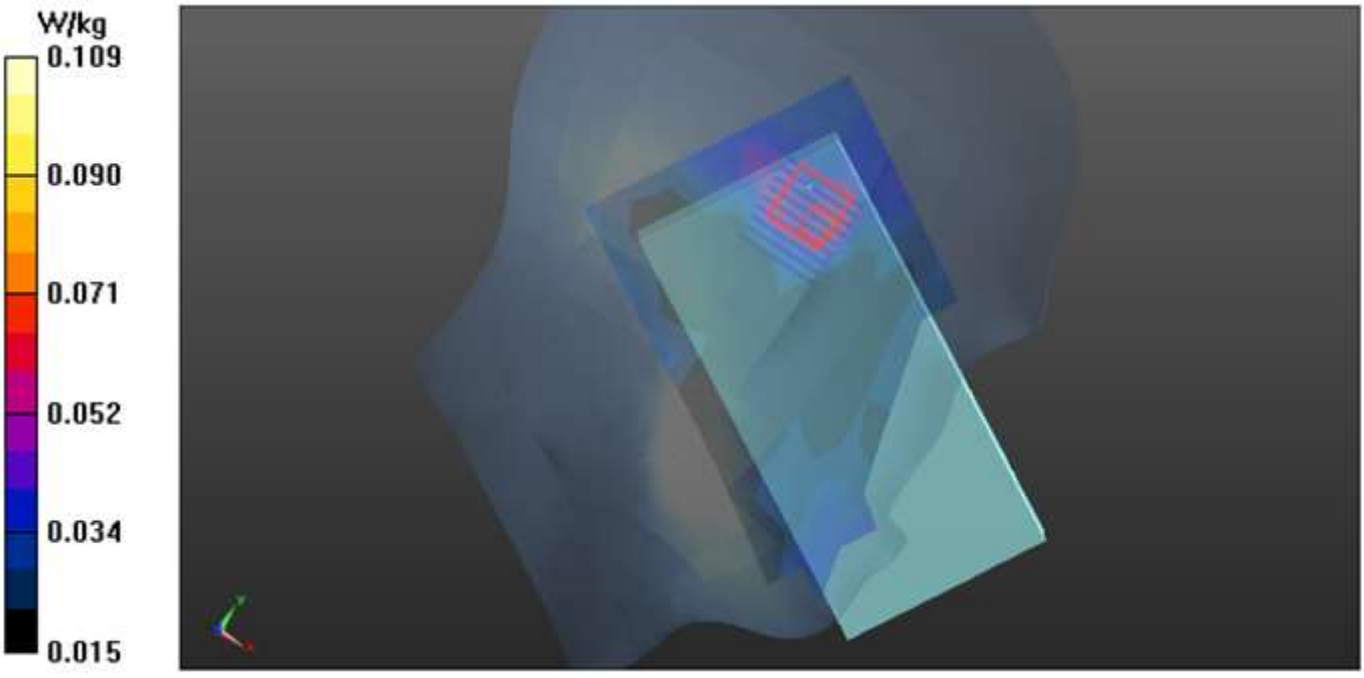


Test Laboratory: AGC Lab **Date: Jan. 06, 2022**
5.3GHz -802.11a CAGM H56- Mid -Left- Tilt
DUT: 4G Smart Phone; Type: AGM H5

Communication System: Wi-Fi; Communication System Band: 802.11a; Duty Cycle: 1:1
Frequency: 5280 MHz; Medium parameters used: f = 5250MHz; σ=4.81 mho/m; εr =36.07; ρ= 1000 kg/m³ ;
Phantom section: Left Section
Ambient temperature (℃): 20.6, Liquid temperature (℃): 20.4

DASY Configuration:
• Probe: EX3DV4 – SN:3953; ConvF(5.42, 5.42, 5.42); Calibrated: Aug. 27,2021;
• Sensor-Surface: 1.4mm (Mechanical Surface Detection), z = 1.0, 31.0
• Electronics: DAE4 SN1398; Calibrated: Apr. 23,2020
• Phantom: SAM (20deg probe tilt) with CRP v5.0; Type: QD000P40CD;
• DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

Configuration 4/L-T/Area Scan (8x14x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.0480 W/kg
Configuration 4/L-T/Zoom Scan (9x9x16)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 2.651 V/m; Power Drift = 0.09 dB
Peak SAR (extrapolated) = 0.110 W/kg
SAR(1 g) = 0.091 W/kg; SAR(10 g) = 0.076 W/kg
Maximum value of SAR (measured) = 0.109 W/kg

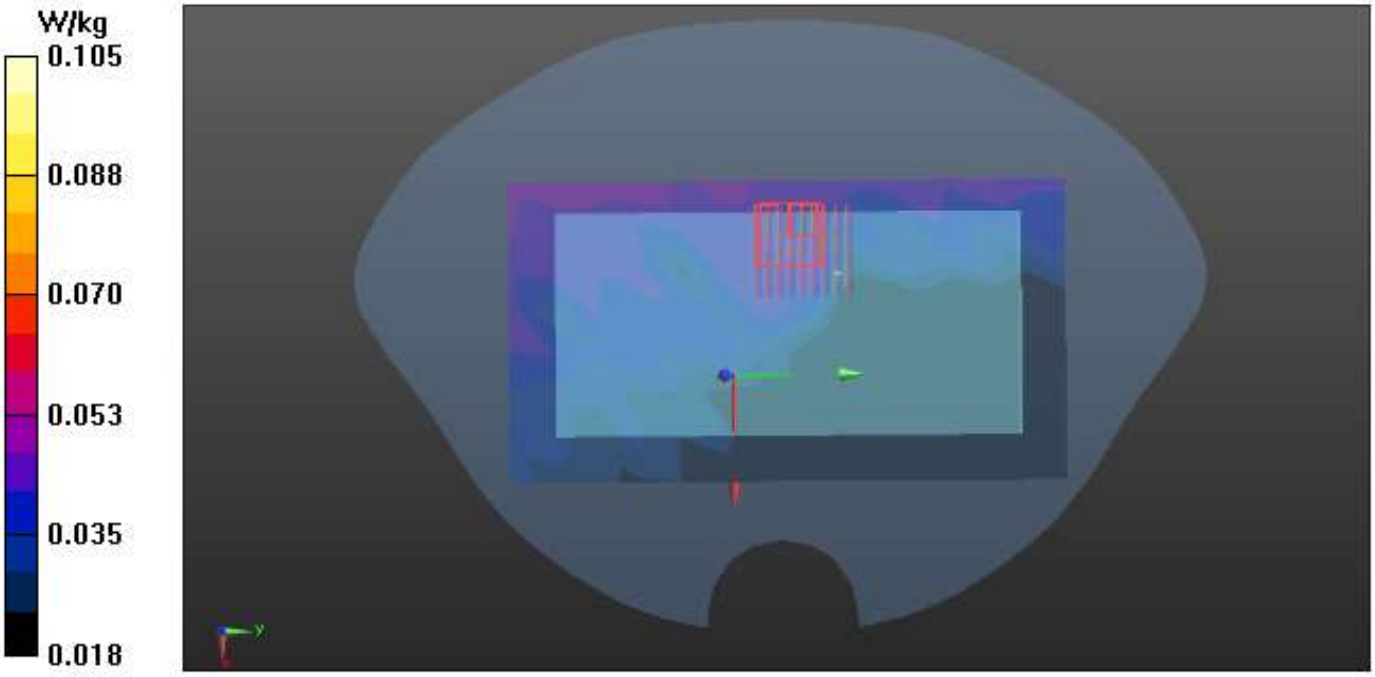


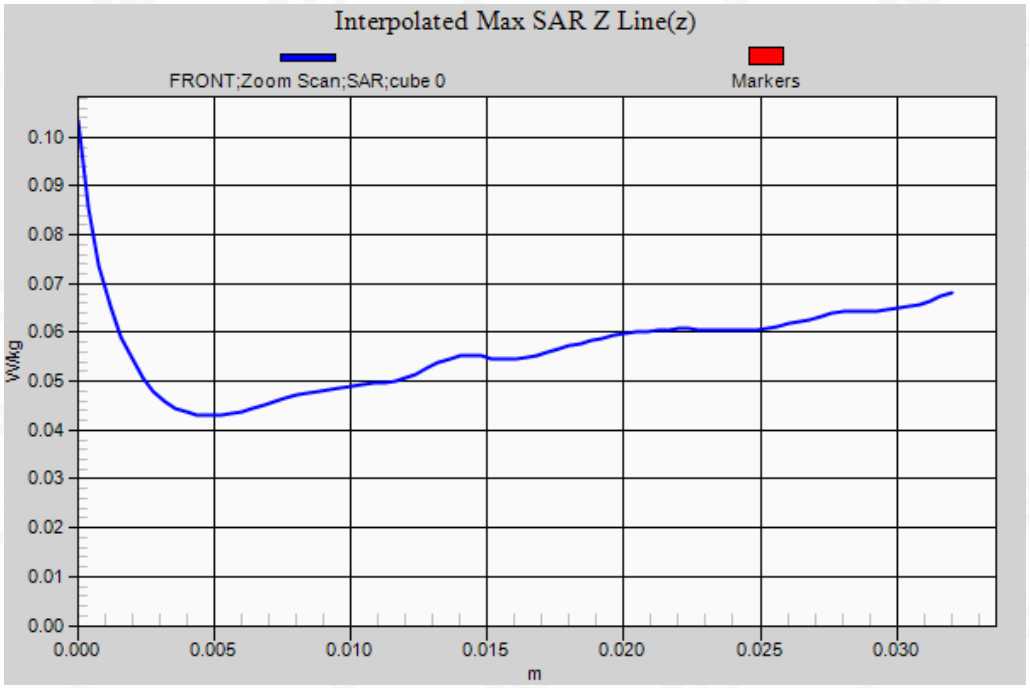
Test Laboratory: AGC Lab **Date: Jan. 06, 2022**
5.3GHz -802.11a CAGM H56- Mid-Body-Front
DUT: 4G Smart Phone; Type: AGM H5

Communication System: Wi-Fi; Communication System Band: 802.11a; Duty Cycle: 1:1
Frequency: 5280 MHz; Medium parameters used: f = 5250MHz; σ=4.81 mho/m; εr =36.07; ρ= 1000 kg/m³ ;
Phantom section: Flat Section
Ambient temperature (℃): 20.6, Liquid temperature (℃): 20.4

DASY Configuration:
• Probe: EX3DV4 – SN:3953; ConvF(5.42, 5.42, 5.42); Calibrated: Aug. 27,2021;
• Sensor-Surface: 1.4mm (Mechanical Surface Detection), z = 1.0, 31.0
• Electronics: DAE4 SN1398; Calibrated: Apr. 23,2020
• Phantom: SAM (20deg probe tilt) with CRP v5.0; Type: QD000P40CD;
• DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

Configuration/FRONT/Area Scan (8x14x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.0536 W/kg
Configuration/FRONT/Zoom Scan (9x9x16)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 3.007 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 0.105 W/kg
SAR(1 g) = 0.074 W/kg; SAR(10 g) = 0.066 W/kg
Maximum value of SAR (measured) = 0.105 W/kg



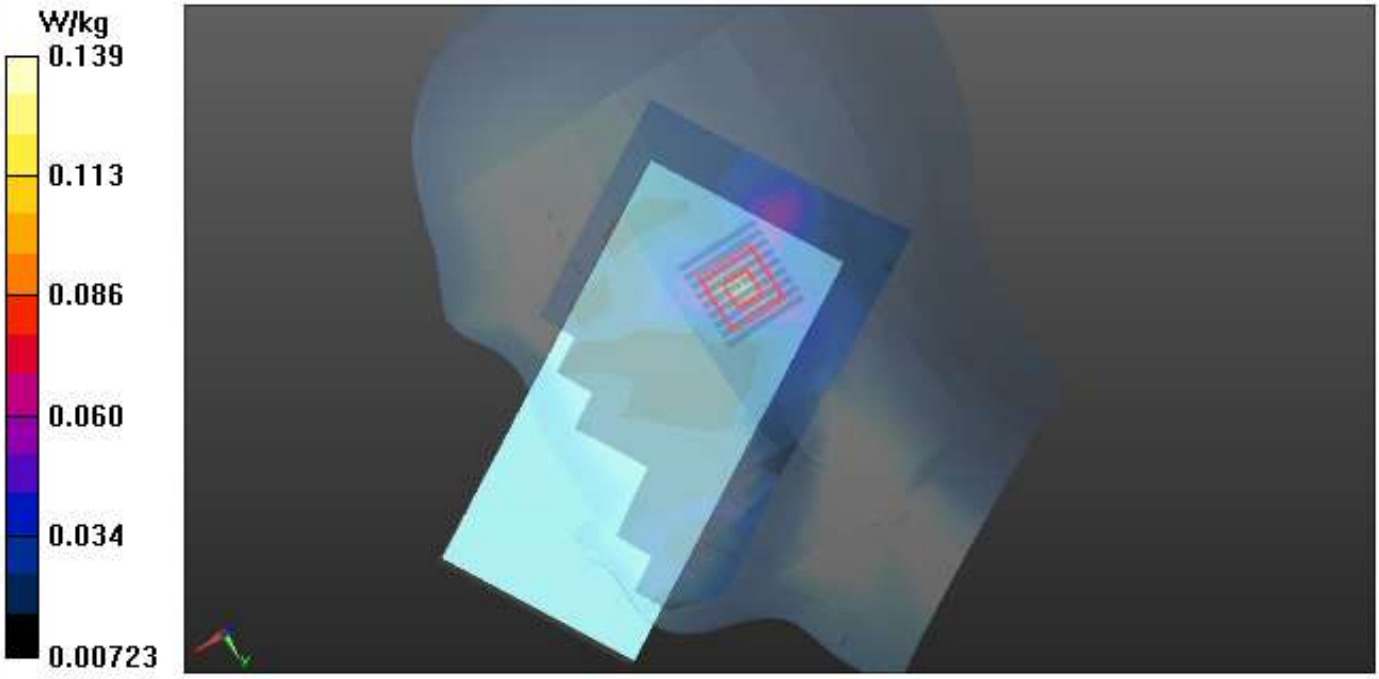


Test Laboratory: AGC Lab **Date: Jan. 07, 2022**
5.8GHz -802.11a CH157- Mid-Touch-Right
DUT: 4G Smart Phone; Type: AGM H5

Communication System: Wi-Fi; Communication System Band: 802.11a; Duty Cycle: 1:1
Frequency: 5785 MHz; Medium parameters used: f = 5750 MHz; σ=5.19 mho/m; εr =35.67; ρ= 1000 kg/m³ ;
Phantom section: Right Section
Ambient temperature (℃): 20.5, Liquid temperature (℃): 20.3

DASY Configuration:
• Probe: EX3DV4 – SN:3953; ConvF(4.96, 4.96, 4.96); Calibrated: Aug. 27,2021;
• Sensor-Surface: 1.4mm (Mechanical Surface Detection), z = 1.0, 31.0
• Electronics: DAE4 SN1398; Calibrated: May 17,2021
• Phantom: SAM (20deg probe tilt) with CRP v5.0; Type: QD000P40CD;
• DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

Configuration 5/R-C/Area Scan (8x14x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.110 W/kg
Configuration 5/R-C/Zoom Scan (9x9x16)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 2.775 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 0.258 W/kg
SAR(1 g) = 0.083 W/kg; SAR(10 g) = 0.041 W/kg
Maximum value of SAR (measured) = 0.139 W/kg

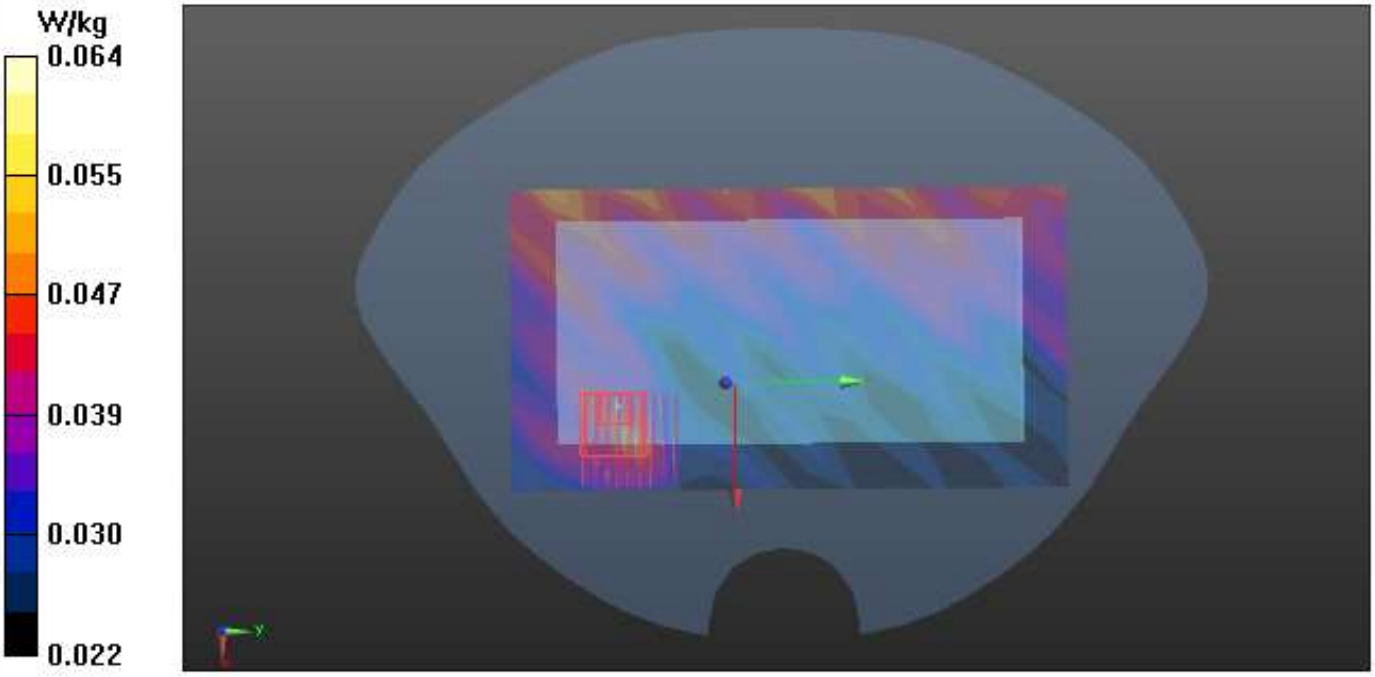


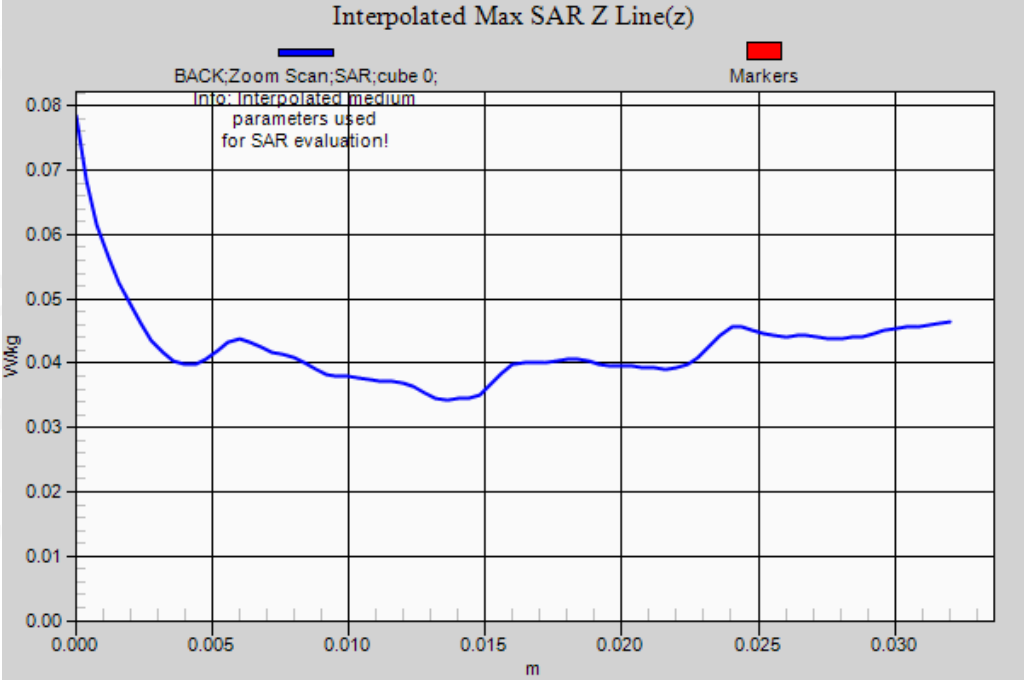
Test Laboratory: AGC Lab **Date: Jan. 07, 2022**
5.8GHz -802.11a CH157- Mid-Body-Back
DUT: 4G Smart Phone; Type: AGM H5

Communication System: Wi-Fi; Communication System Band: 802.11a; Duty Cycle: 1:1
Frequency: 5785 MHz; Medium parameters used: f = 5750 MHz; σ=5.19 mho/m; εr =35.67; ρ= 1000 kg/m³ ;
Phantom section: Flat Section
Ambient temperature (℃): 20.5, Liquid temperature (℃): 20.3

DASY Configuration:
• Probe: EX3DV4 – SN:3953; ConvF(4.96, 4.96, 4.96); Calibrated: Aug. 27,2021;
• Sensor-Surface: 1.4mm (Mechanical Surface Detection), z = 1.0, 31.0
• Electronics: DAE4 SN1398; Calibrated: May 17,2021
• Phantom: SAM (20deg probe tilt) with CRP v5.0; Type: QD000P40CD;
• DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

Configuration/BACK/Area Scan (8x14x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.0526 W/kg
Configuration/BACK/Zoom Scan (9x9x16)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 2.498 V/m; Power Drift = 0.09 dB
Peak SAR (extrapolated) = 0.0780 W/kg
SAR(1 g) = 0.049 W/kg; SAR(10 g) = 0.043 W/kg
Maximum value of SAR (measured) = 0.0638 W/kg



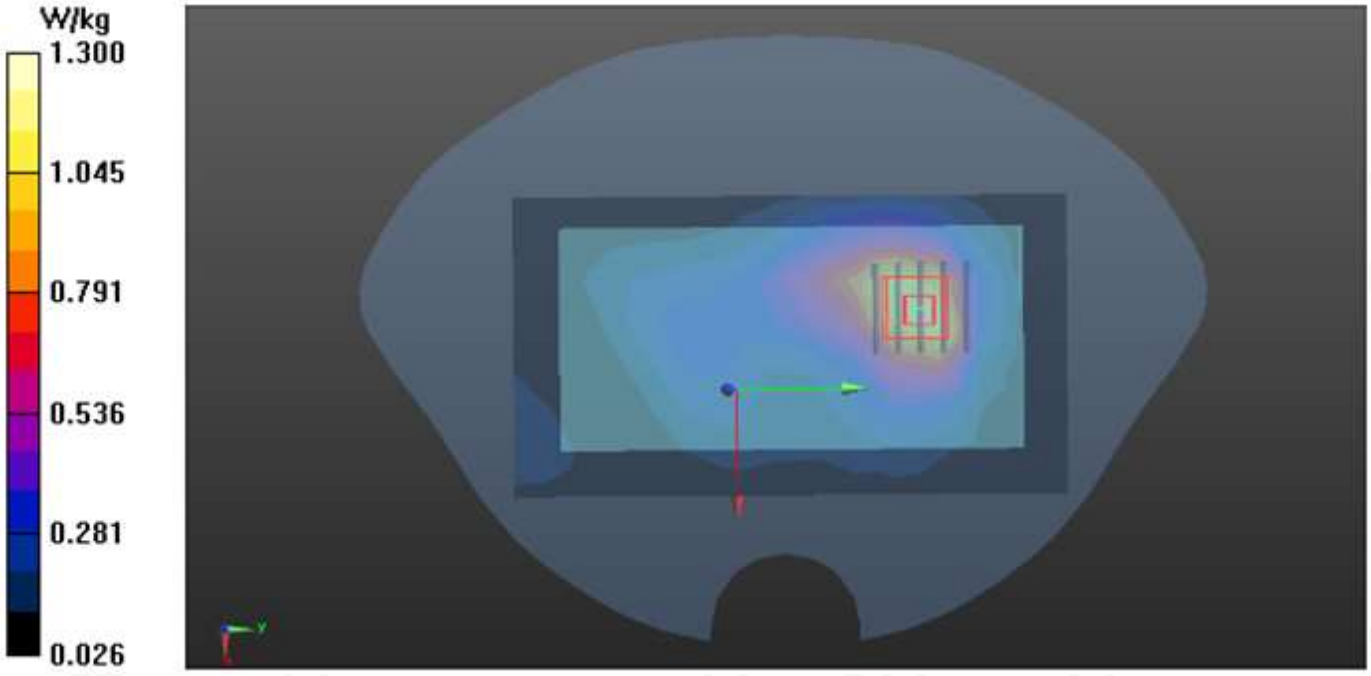


Repeated SAR
Test Laboratory: AGC Lab **Date: Jan. 04, 2022**
GPRS 1900 High-Body- Back (2up) < SIM 1>
DUT: 4G Smart Phone; Type: AGM H5

Communication System: GPRS-2 Slot; Communication System Band: PCS 1900; Duty Cycle: 1:4.2;
Frequency: 1909.8 MHz; Medium parameters used: f = 1900 MHz; σ= 1.36 mho/m; εr =39.98; ρ= 1000 kg/m³ ;
Phantom section: Flat Section
Ambient temperature (℃):20.7, Liquid temperature (℃): 20.5

DASY Configuration:
• Probe: EX3DV4 – SN:3953; ConvF(8.26, 8.26, 8.26); Calibrated: Aug. 27,2021;
• Sensor-Surface: 3mm (Mechanical Surface Detection), z = 1.0, 31.0
• Electronics: DAE4 SN1398; Calibrated: May 17,2021
• Phantom: SAM (20deg probe tilt) with CRP v5.0; Type: QD000P40CD;
• DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

Configuration / BACK REPEAT /Area Scan (7x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 1.28 W/kg
Configuration / BACK REPEAT /Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 25.823 V/m; Power Drift = -0.14 dB
Peak SAR (extrapolated) = 1.81 W/kg
SAR(1 g) = 1.05 W/kg; SAR(10 g) = 0.573 W/kg
Maximum value of SAR (measured) = 1.30 W/kg

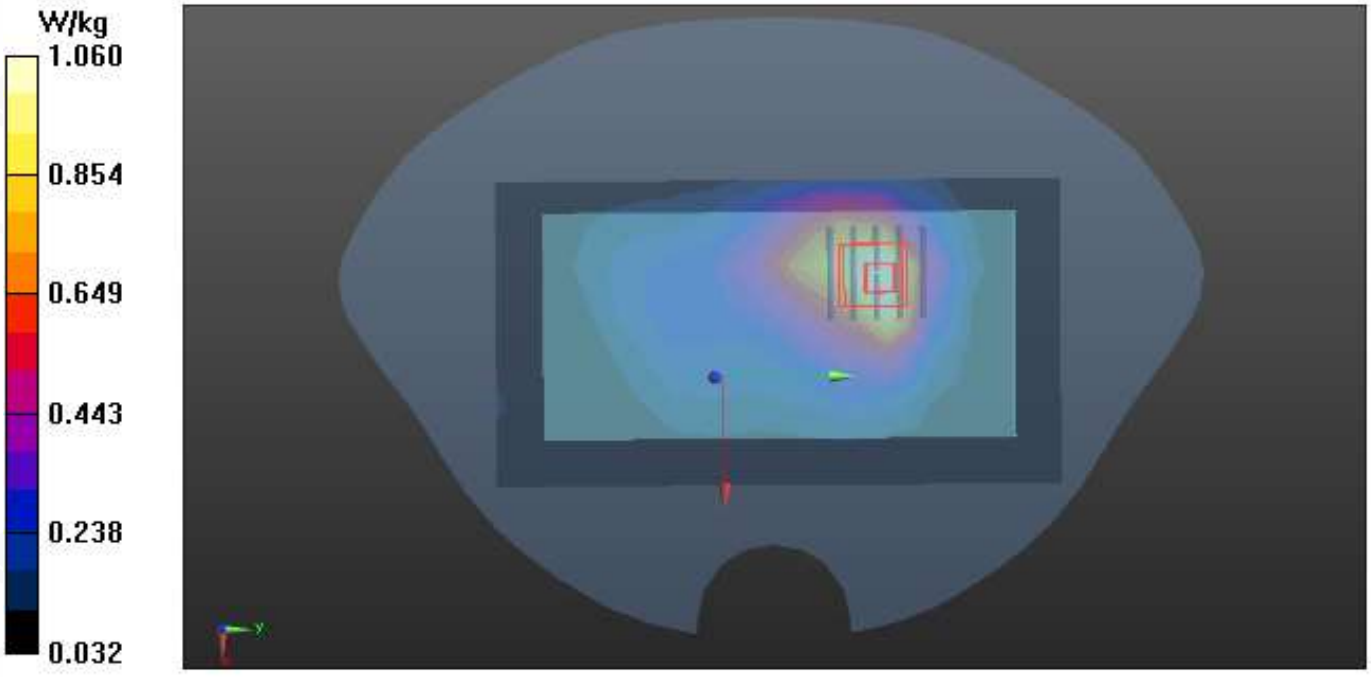


Test Laboratory: AGC Lab **Date: Dec. 29, 2021**
LTE Band 25 High-Body- Back (1 RB#0)
DUT: 4G Smart Phone; Type: AGM H5

Communication System: LTE; Communication System Band: LTE Band 25; Duty Cycle: 1:1;
Frequency: 1905 MHz; Medium parameters used: f = 1900 MHz; σ=1.40 mho/m; ε_r =40.13; ρ= 1000 kg/m³ ;
Phantom section: Flat Section
Ambient temperature (℃): 20.5, Liquid temperature (℃): 20.3

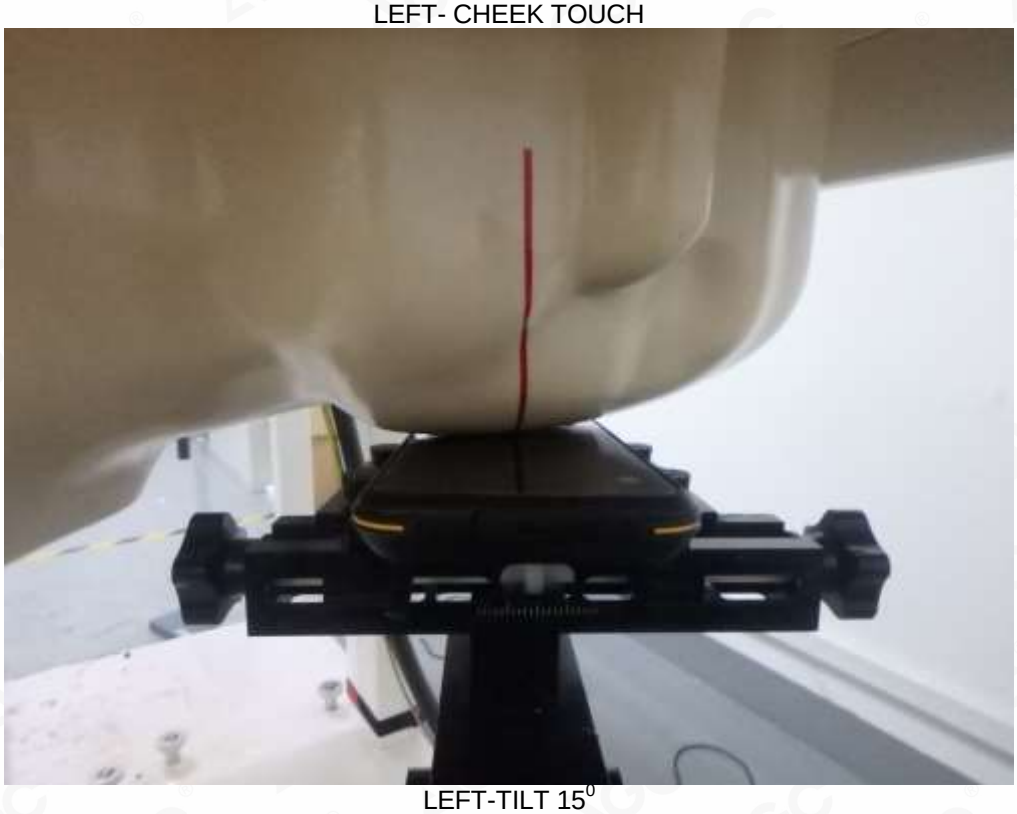
DASY Configuration:
• Probe: EX3DV4 – SN:3953; ConvF(8.26, 8.26, 8.26); Calibrated: Aug. 27,2021;
• Sensor-Surface: 3mm (Mechanical Surface Detection), z = 1.0, 31.0
• Electronics: DAE4 SN1398; Calibrated: May 17,2021
• Phantom: SAM (20deg probe tilt) with CRP v5.0; Type: QD000P40CD;
• DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

Configuration/BACK REPEAT/Area Scan (8x14x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 1.12 W/kg
Configuration/BACK REPEAT/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 14.430 V/m; Power Drift = 0.10 dB
Peak SAR (extrapolated) = 1.42 W/kg
SAR(1 g) = 0.880 W/kg; SAR(10 g) = 0.523 W/kg
Maximum value of SAR (measured) = 1.06 W/kg

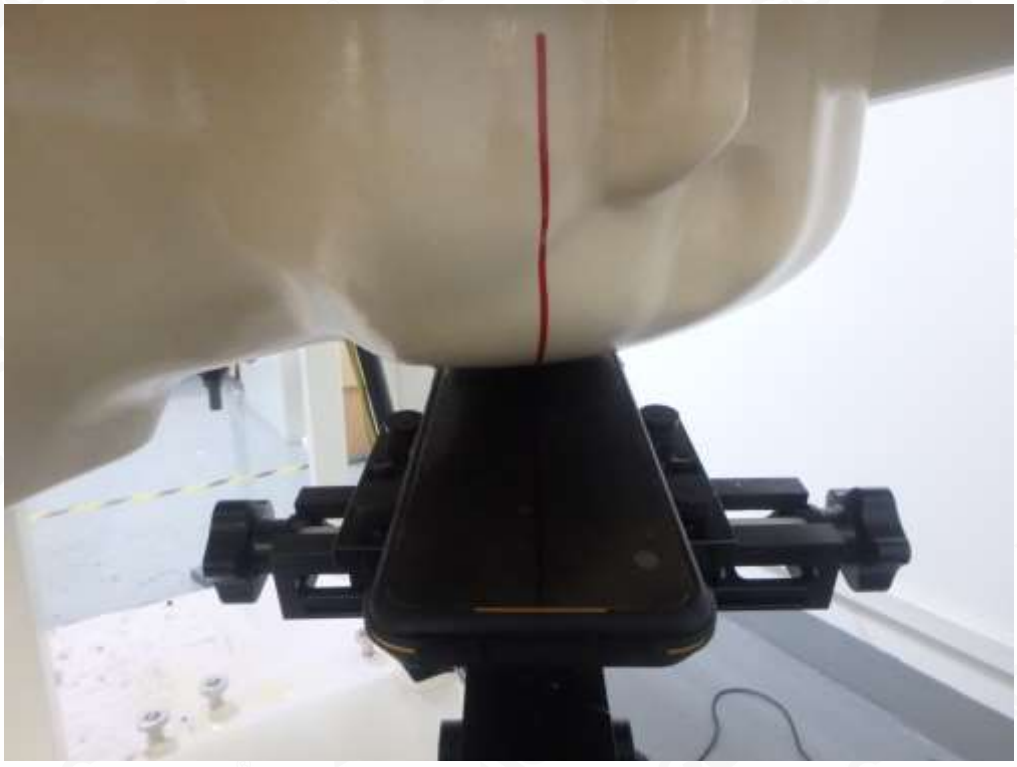


APPENDIX C. TEST SETUP PHOTOGRAPHS

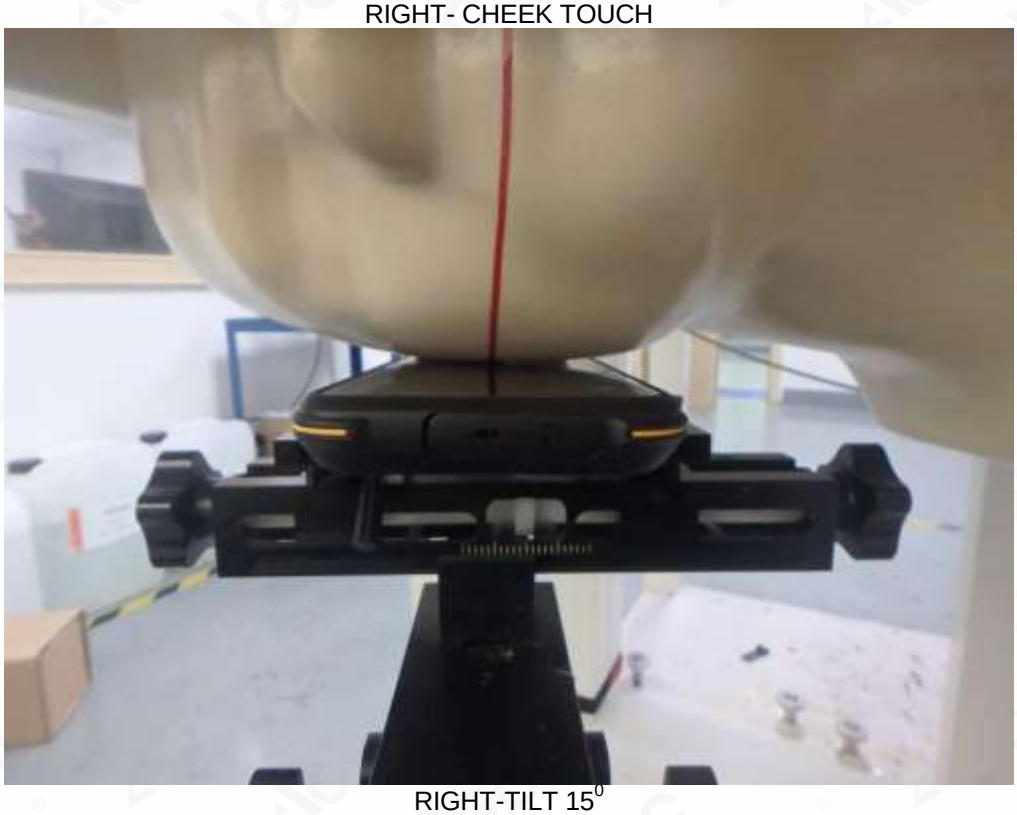
LEFT- CHEEK TOUCH



LEFT-TILT 15^0



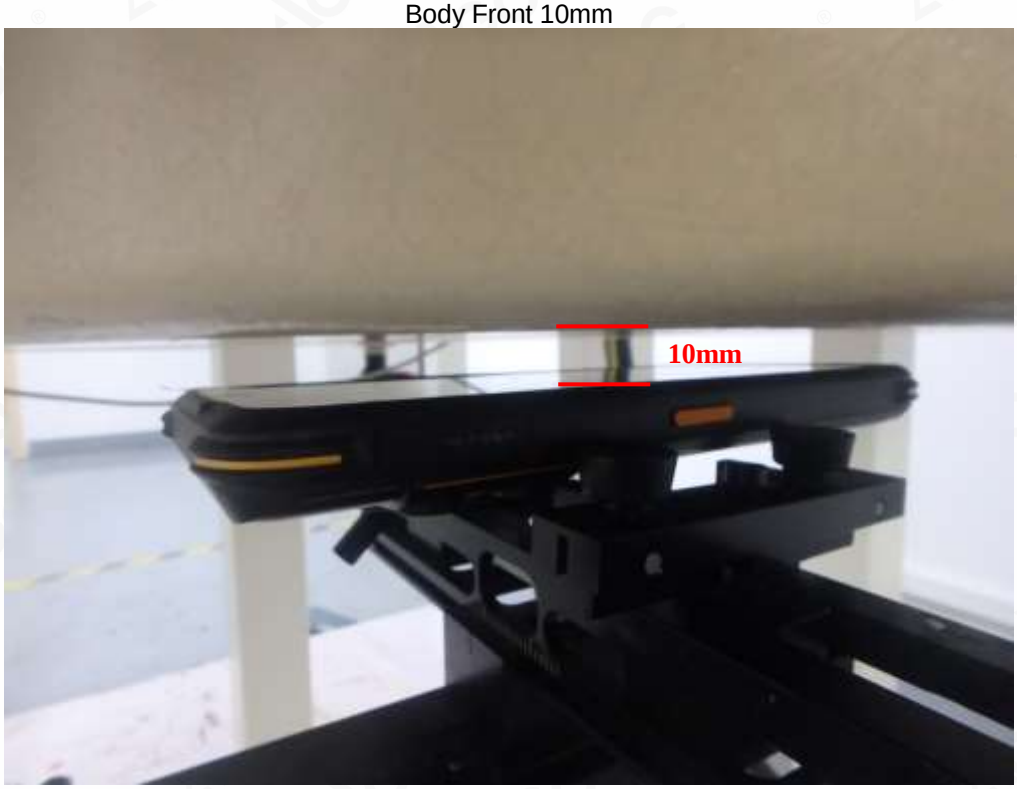
RIGHT- CHEEK TOUCH



RIGHT-TILT 15^0

Body Back 10mm

Body Front 10mm



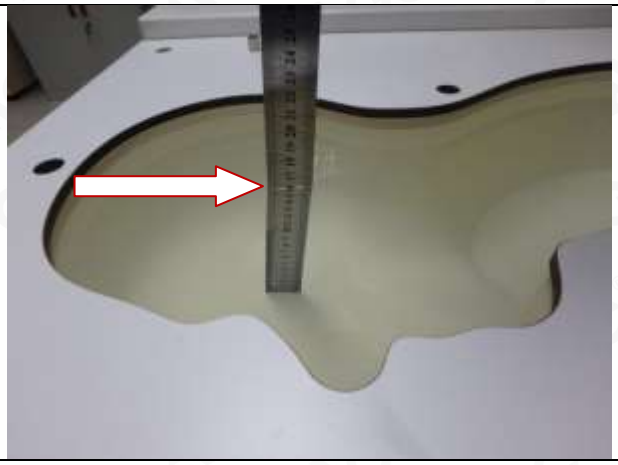
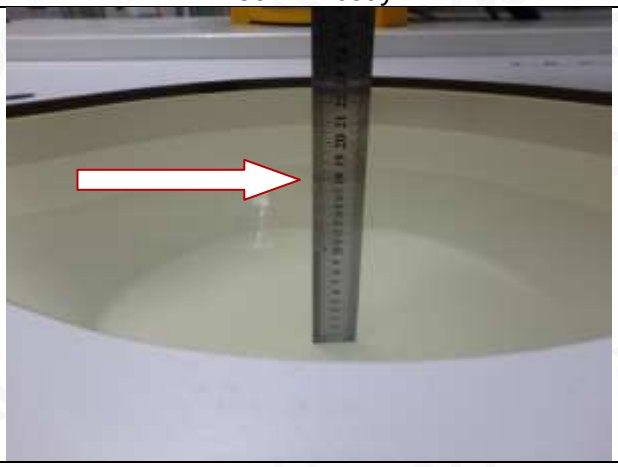
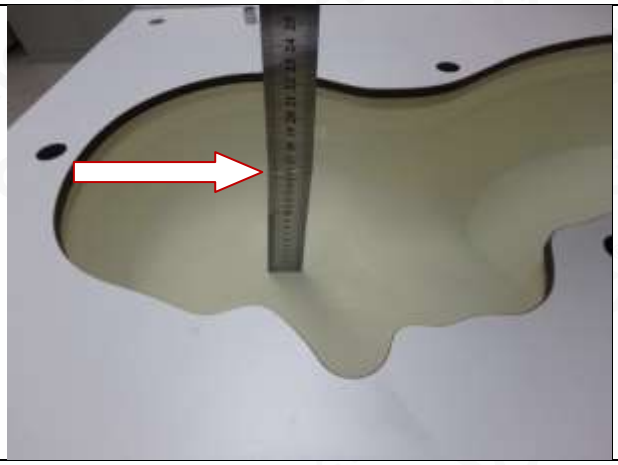
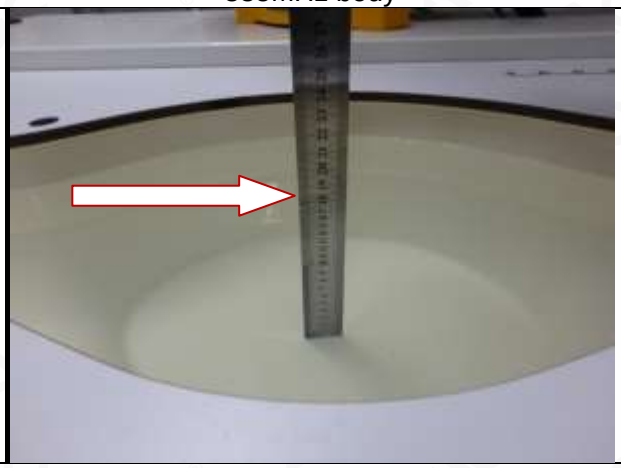
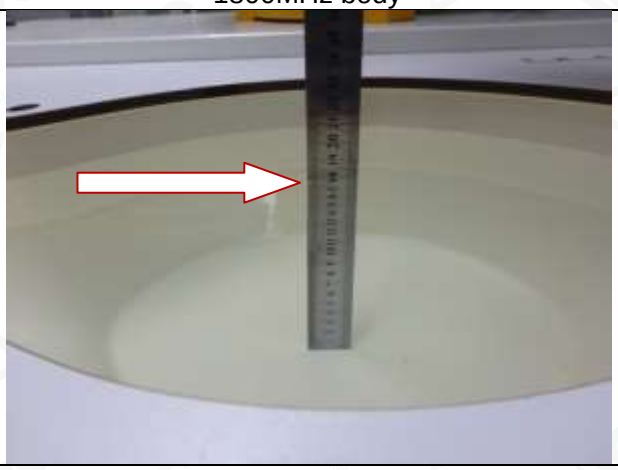
Edge 1(Top) 10mm

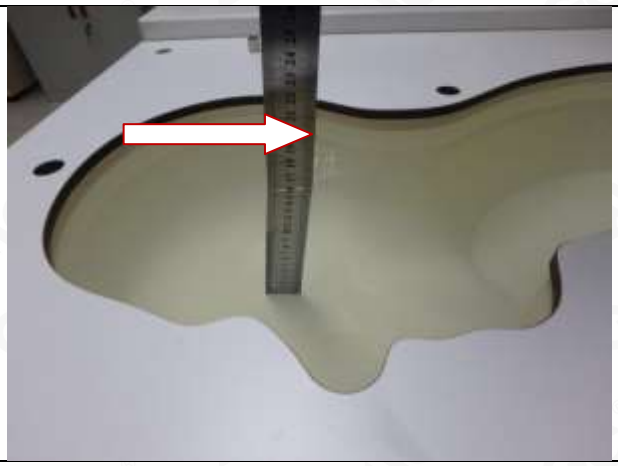
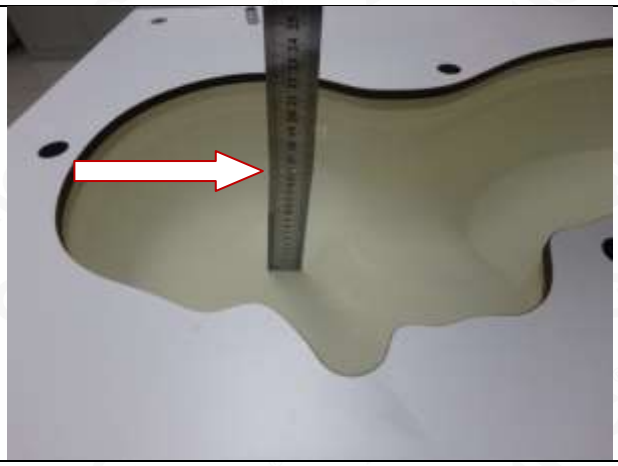
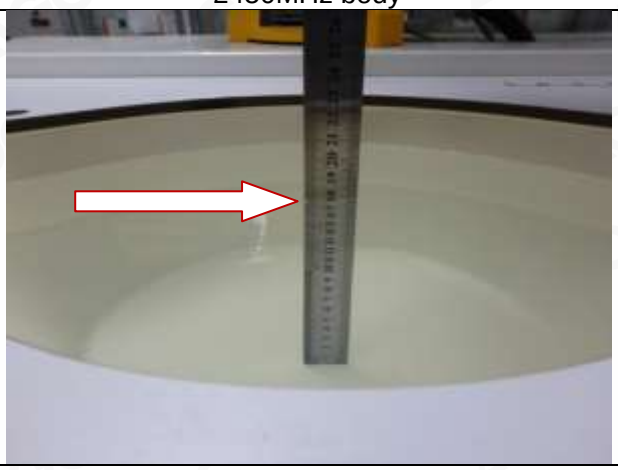
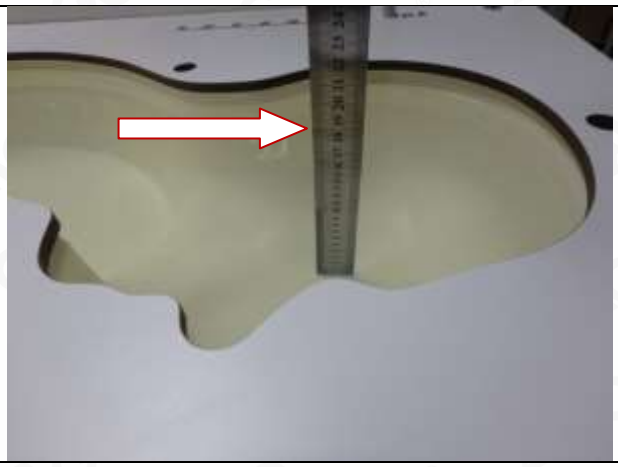
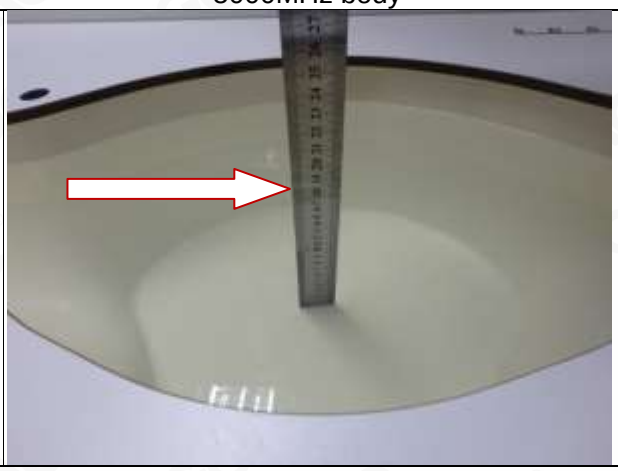
Edge 2(Right) 10mm

Edge 3(Bottom) 10mm

DEPTH OF THE LIQUID IN THE PHANTOM—ZOOM IN

Note：The position used in the measurement were according to IEEE 1528-2013

750MHz head	750MHz body
	
835MHz head	835MHz body
	
1800MHz head	1800MHz body
	

1900MHz head	1900MHz body
	
2450MHz head	2450MHz body
	
5000MHz head	5000MHz body
	

APPENDIX D. CALIBRATION DATA

Refer to Attached files.

Conditions of Issuance of Test Reports

1. All samples and goods are accepted by the Attestation of Global Compliance (Shenzhen) Co., Ltd (the "Company") solely for testing and reporting in accordance with the following terms and conditions. The company provides its services on the basis that such terms and conditions constitute express agreement between the company and any person, firm or company requesting its services (the "Clients").

2. Any report issued by Company as a result of this application for testing services (the "Report") shall be issued in confidence to the Clients and the Report will be strictly treated as such by the Company. It may not be reproduced either in its entirety or in part and it may not be used for advertising or other unauthorized purposes without the written consent of the Company. The Clients to whom the Report is issued may, however, show or send it, or a certified copy thereof prepared by the Company to its customer, supplier or other persons directly concerned. The Company will not, without the consent of the Clients, enter into any discussion or correspondence with any third party concerning the contents of the Report, unless required by the relevant governmental authorities, laws or court orders.

3.The Company shall not be called or be liable to be called to give evidence or testimony on the Report in a court of law without its prior written consent, unless required by the relevant governmental authorities, laws or court orders.

4. In the event of the improper use of the report as determined by the Company, the Company reserves the right to withdraw it, and to adopt any other additional remedies which may be appropriate.

5. Samples submitted for testing are accepted on the understanding that the Report issued cannot form the basis of, or be the instrument for, any legal action against the Company.

6. The Company will not be liable for or accept responsibility for any loss or damage however arising from the use of information contained in any of its Reports or in any communication whatsoever about its said tests or investigations.

7.Clients wishing to use the Report in court proceedings or arbitration shall inform the Company to that effect prior to submitting the sample for testing.

8. The Company is not responsible for recalling the electronic version of the original report when any revision is made to them. The Client assumes the responsibility to providing the revised version to any interested party who uses them.

9. Subject to the variable length of retention time for test data and report stored hereinto as otherwise specifically required by individual accreditation authorities, the Company will only keep the supporting test data and information of the test report for a period of six years. The data and information will be disposed of after the aforementioned retention period has elapsed. Under no circumstances shall we provide any data and information which has been disposed of after retention period. Under no circumstances shall we be liable for damage of any kind, including (but not limited to) compensatory damages, lost profits, lost data, or any form of special, incidental, indirect, consequential or punitive damages of any kind, whether based on breach of contract of warranty, tort (including negligence), product liability or otherwise, even if we are informed in advance of the possibility of such damages.