SAR Test Report

Report No.: AGC15733250401FH01

FCC ID	:	2BBCYE8068
APPLICATION PURPOSE	:	Original Equipment
PRODUCT DESIGNATION	:	IP/POC Two Way Radio
BRAND NAME	:	LISHENG,UNIKOO, Dowala, FreePtt, AIRITON
MODEL NAME	:	E8068 , UP800S, P400, F50, AI-8088
APPLICANT	:	Lisheng Communications Co., Ltd
DATE OF ISSUE	:	Jul. 03, 2025
STANDARD(S)	:	IEEE Std. 1528:2013 FCC 47 CFR Part 2§2.1093 IEEE Std C95.1 ™-2019
REPORT VERSION	:	V1.0

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

Report Revise Record

Report Version	Revise Time	Issued Date	Valid Version	Notes
V1.0	/	Jul. 03, 2025	Valid	Initial Release

Test Report	
Applicant Name	Lisheng Communications Co., Ltd
Applicant Address	5#, Chongxiang St., Econ. & Tech. Area, Quanzhou, Fujian, China
Manufacturer Name	Lisheng Communications Co., Ltd
Manufacturer Address	5#, Chongxiang St., Econ. & Tech. Area, Quanzhou, Fujian, China
Factory Name	Lisheng Communications Co., Ltd
Factory Address	5#, Chongxiang St., Econ. & Tech. Area, Quanzhou, Fujian, China
Product Designation	IP/POC Two Way Radio
Brand Name	LISHENG,UNIKOO, Dowala, FreePtt, AIRITON
Test Model	E8068
Series Model(s)	UP800S, P400, F50, AI-8088
Difference Description	The same PCB and electrical specifications, only the brand name, model name and case style design are different.
EUT Voltage	DC 3.7V by battery
Applicable Standard	IEEE Std. 1528:2013 FCC 47 CFR Part 2§2.1093 IEEE Std C95.1 ™-2019
Date of receipt of test item	Apr. 15, 2025
Test Date	Jun. 17, 2025 to Jun. 20, 2025
Report Template	AGCRT-US-4G/SAR (2021-04-20)

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

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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 back touch with accessories	Face up(with 25mm separation)	
GSM 850	0.790	0.439	0.295	1.6
PCS 1900	0.797	0.184	0.300	
UMTS Band II	0.990	0.081	0.132	
UMTS Band IV	0.879	0.063	0.100	
UMTS Band V	0.788	0.407	0.284	
LTE Band 2	1.146	0.078	0.149	
LTE Band 4	1.292	0.119	0.166	
LTE Band 5	1.093	0.387	0.282	
LTE Band 12	0.711	0.180	0.181	
LTE Band 13	1.143	0.489	0.335	
LTE Band 17	0.639	0.167	0.160	
LTE Band 25	1.146	0.137	0.184	
LTE Band 26a	0.736	1.096	0.264	
LTE Band 26b	0.754	1.087	0.267	
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 Std C95.1 ™-2019 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 D05 SAR for LTE Devices v02r05

2. GENERAL INFORMATION

2.1. EUT Description

General Information	
Product Designation	IP/POC Two Way Radio
Test Model	E8068
Hardware Version	V2.0
Software Version	V1.0
Device Category	Portable
RF Exposure Environment	Uncontrolled
Antenna Type	Internal
GPRS& EGPRS	
Support Band	☒ GSM 850 ☒ PCS 1900 (U.S. Bands) ☒ GSM 900 ☒ DCS 1800 (Non-U.S. Bands)
GPRS & EGPRS Type	Class B
GPRS & EGPRS Class	Class 12(1Tx+4Rx, 2Tx+3Rx, 3Tx+2Rx, 4Tx+1Rx)
TX Frequency Range	GSM 850 : 820-850MHz;; PCS 1900: 1850-1910MHz;
RX Frequency Range	GSM 850 : 869~894MHz; PCS 1900: 1930~1990MHz
Release Version	R99
Type of modulation	GMSK for GSM/GPRS; GMSK & 8-PSK for EGPRS
Antenna Gain	GSM850: 0dBi; PCS1900: 0dBi
Max. Average Power	GSM850: 31.45dBm ;PCS1900: 30.12dBm
WCDMA	
Support Band	☒ UMTS FDD Band II ☒ UMTS FDD Band IV ☒ UMTS FDD Band V (U.S. Bands) ☒ UMTS FDD Band I ☒ UMTS FDD Band VIII (Non-U.S. Bands)
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	Release 6 and later
Type of modulation	HSDPA:QPSK/16QAM; HSUPA:BPSK; WCDMA:QPSK
Antenna Gain	Band II: 0dBi; Band IV: 0dBi; Band V: 0dBi
Max. Average Power	Band II: 24.34dBm; Band IV: 24.02dBm; Band V: 25.32dBm
LTE	
Support Band	☒ FDD Band 2 ☒ FDD Band 4 ☒ FDD Band 5 ☒ FDD Band 12 ☒ FDD Band 13 ☒ FDD Band 17 ☒ FDD Band 25 ☒ FDD Band 26
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; Band 26: 814-849MHz;
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; Band 26: 859-894MHz;
Type of modulation	QPSK, 16QAM
Antenna Gain	0dBi
Max. Average Power	Band 2: 23.46dBm; Band 4: 23.71dBm; Band 5: 24.11dBm; Band 12: 24.12dBm; Band 13: 23.85dBm; Band 17: 23.84dBm; Band 25: 23.50dBm; Band 26a: 23.85dBm; Band 26b: 23.98dBm;

EUT Description(Continue)

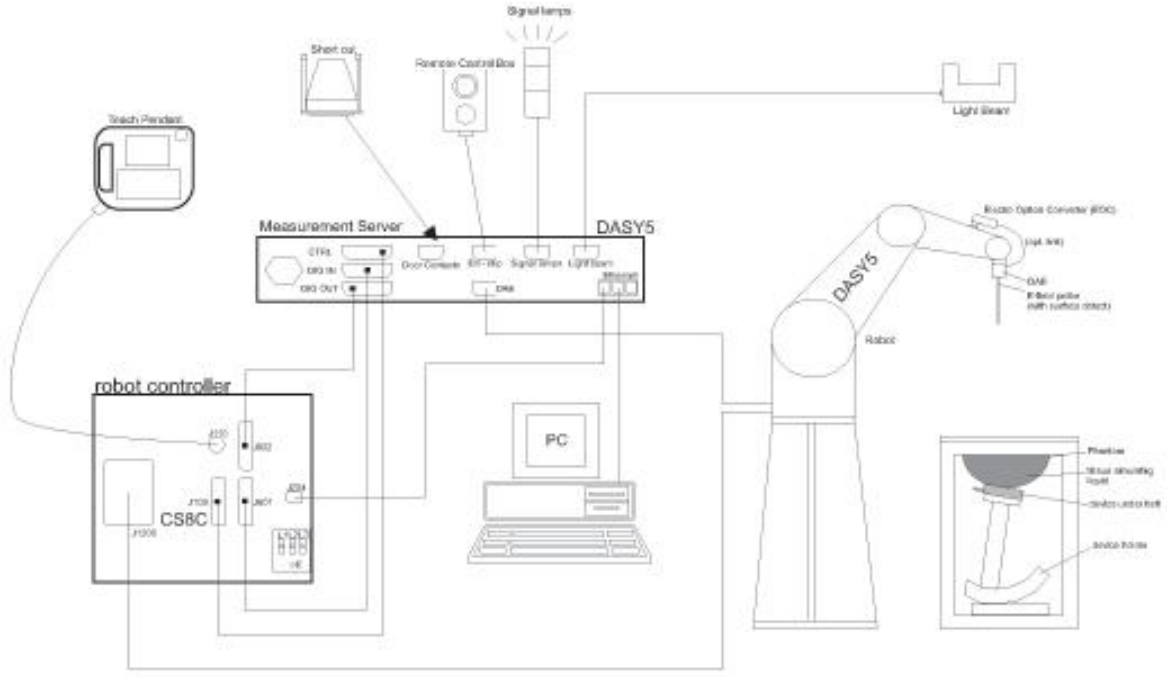
Accessories	
Battery	Brand name: N/A Model No. : E8068-BAT Voltage and Capacitance: 3.7 V &3700mAh
Earphone	Brand name: N/A Model No. : N/A

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	0.75GHz-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.	

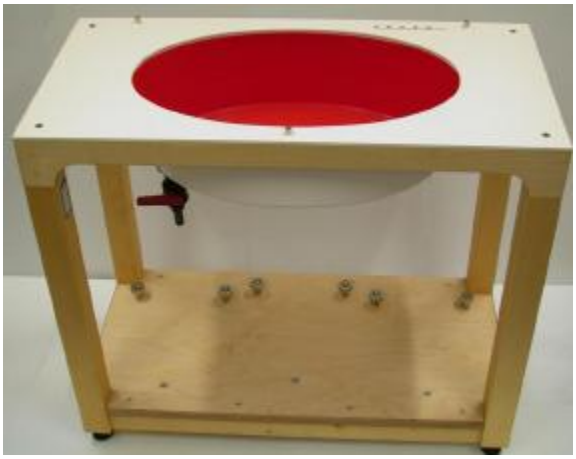
3.8. PHANTOM

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:

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

$$SAR = c_h \left.\frac{dT}{dt}\right|_{t=0}$$

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.

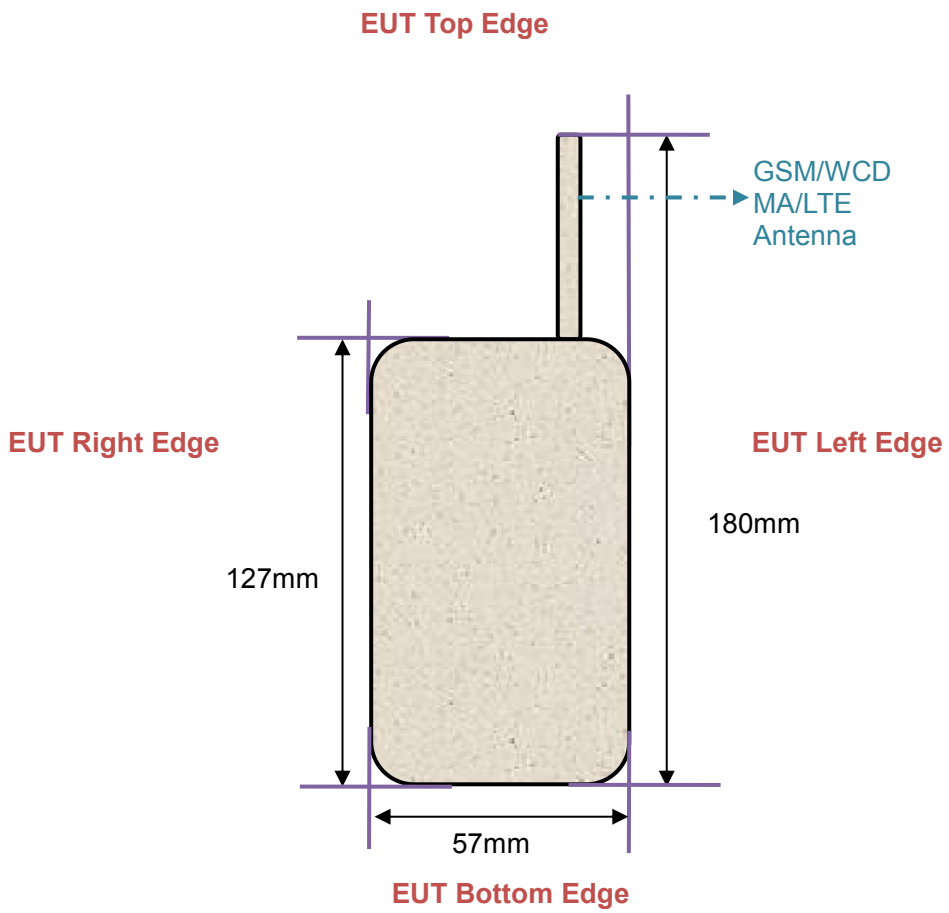
4.3. RF Exposure Conditions

Test Configuration and setting:

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

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.

Antenna Location: (the back view)



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 5% are listed in 5.2

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

5.2. Tissue Dielectric Parameters for Head and Body Phantoms

The head tissue dielectric parameters recommended by the IEEE 1528 have been incorporated in the following table. These head parameters are derived from planar layer models simulating the highest expected SAR for the dielectric properties and tissue thickness variations in a human head. Other head and body tissue parameters that have not been specified in IEEE 1528 are derived from the tissue dielectric parameters computed from the 4-Cole-Cole equations described in Reference [12] and extrapolated according to the head parameters specified in IEEE 1528.

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

(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 (±5%)		Ambient Temp [℃]	Relative Humidity (%)	Tissue Temp [°C]	Test time
		εr 41.9 (39.805-43.995)	δ[s/m] 0.89 (0.846-0.935)				
Head	707.5	41.66	0.85	21.2	59.6	20.8	Jun. 17, 2025
	710	41.23	0.86				
	750	40.95	0.87				
	782	40.32	0.89				

Tissue Stimulant Measurement for 835MHz							
	Fr. (MHz)	Dielectric Parameters (±5%)		Ambient Temp [℃]	Relative Humidity (%)	Tissue Temp [°C]	Test time
		εr 41.5 (39.425-43.575)	δ[s/m] 0.90 (0.855-0.945)				
Head	819	41.76	0.87	21.5	54.3	21.2	Jun. 18, 2025
	829	41.36	0.89				
	835	41.08	0.91				
	836.4	40.68	0.92				
	836.5	40.68	0.92				
	836.6	40.68	0.92				
	844	39.99	0.93				

Tissue Stimulant Measurement for 1750MHz							
	Fr. (MHz)	Dielectric Parameters (±5%)		Ambient Temp [℃]	Relative Humidity (%)	Tissue Temp [°C]	Test time
		εr 40.1 (38.095-42.105)	δ[s/m]1.37 (1.302-1.439)				
Head	1712.4	41.93	1.32	20.4	55.3	20.1	Jun. 20, 2025
	1720	41.40	1.33				
	1732.4	40.69	1.34				
	1732.5	40.69	1.34				
	1745	40.36	1.35				
	1750	39.23	1.37				
	1752.6	38.79	1.39				

Tissue Stimulant Measurement for 1900MHz							
	Fr. (MHz)	Dielectric Parameters (±5%)		Ambient Temp [℃]	Relative Humidity (%)	Tissue Temp [°C]	Test time
		εr40.00 (38.00-42.00)	δ[s/m]1.40 (1.33-1.47)				
Head	1852.4	40.37	1.34	21.2	56.2	20.8	Jun. 19, 2025
	1860	40.13	1.35				
	1880	39.86	1.35				
	1882.5	39.22	1.36				
	1900	38.64	1.37				
	1905	38.43	1.38				
	1907.6	38.31	1.40				

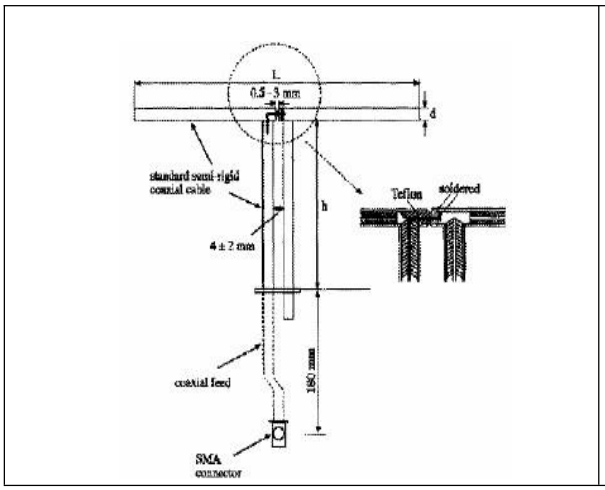
6. SAR SYSTEM CHECK PROCEDURE

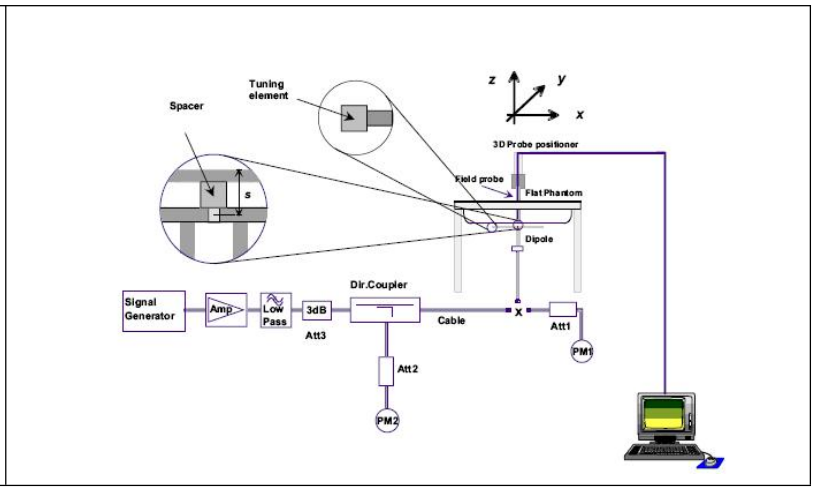
6.1. SAR System Check Procedures

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.

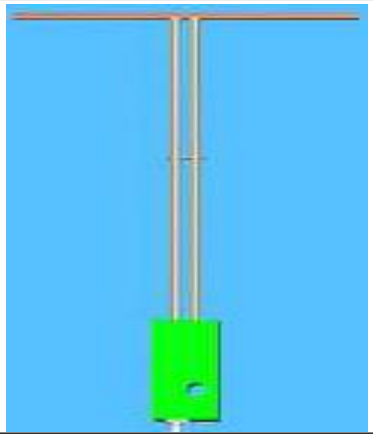
The system check verifies that the system operates within its specifications. It's performed daily or before every SAR measurement. The system check uses normal SAR measurement in the flat section of the phantom with a matched dipole at a specified distance. The system check setup is shown as below.





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.

Frequency	L (mm)	h (mm)	d (mm)
750MHz	176	100	6.35
835MHz	161.0	89.8	3.6
1800MHz	72.0	41.7	3.6
1900MHz	68	39.5	3.6

6.2.2. System Check Result

System Performance Check at 750MHz&835MHz &1800MHz &1900MHz							
Validation Kit: SN 2216 DIP 0G750-417& SN 1516 DIP 0G835-399& SN 4611 DIP 1G800-186& SN 2915 DIP 1G900-389							
Frequency [MHz]	Target Value(W/kg)		Reference Result (± 10%)		Tested Value(W/kg)		Test time
	1g	10g	1g	10g	1g	10g	
750	8.77	5.51	7.89-9.65	4.96-6.06	8.00	5.01	Jun. 17, 2025
835	9.67	6.29	8.70-10.64	5.66-6.92	9.18	5.91	Jul. 18, 2025
1800	36.11	19.04	32.50-39.72	17.14-20.94	38.99	20.45	Jun. 20, 2025
1900	39.83	20.59	35.85-43.81	18.53-22.65	37.40	19.18	Jun. 19, 2025

Note:
(1) We use a CW signal of 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

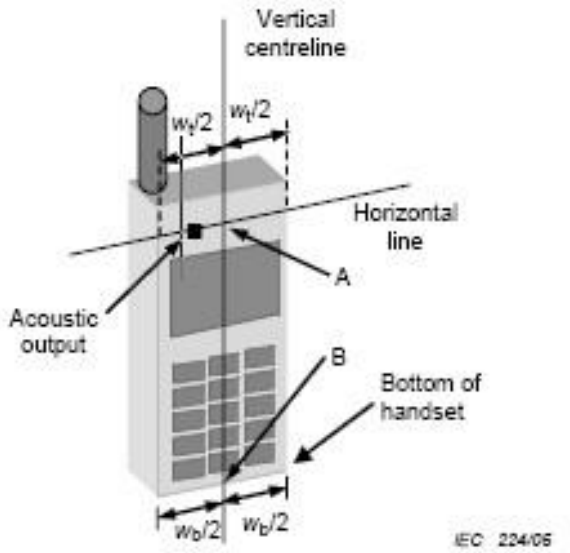
This EUT was tested in **Right Cheek, Right Tilted, Left Cheek, Left Tilted, Body back touch with accessories and Face up.**

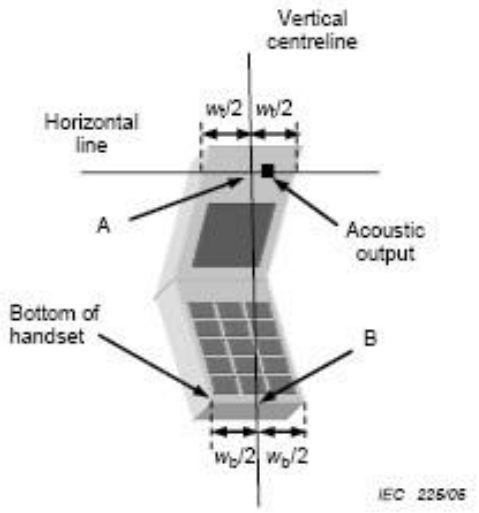
7.1. Define Two Imaginary Lines on the Handset

(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.

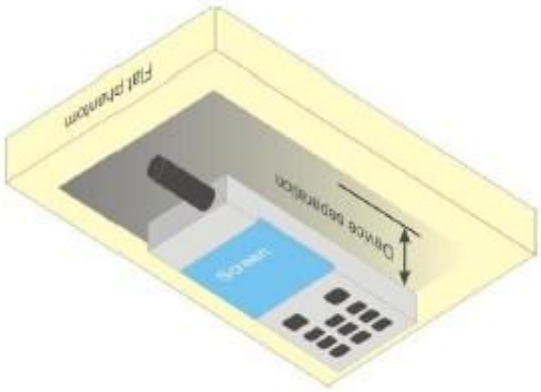
(2) While maintaining the device in the reference plane described above and pivoting against the ear, moves it outward away from the mouth by an angle of 15 degrees or until with the ear is lost.

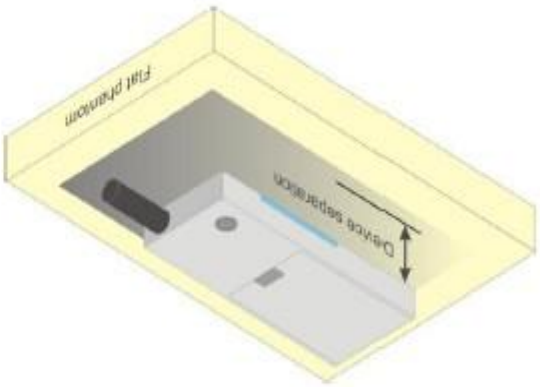
7.4. Body Worn Position

(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 **25mm** when the device is used in front of the face, **0mm** when using a body-worn accessory and **0mm** when using it in contact with the ear**.**





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

No.	Equipment description	Manufacturer/ Model	Identification No.	Software version	Current calibration date	Next calibration date
AGC-HE-A028	E-Field Probe	Speag- EX3DV4	SN:3953	N/A	2024-09-05	2025-09-04
AGC-HE-E017	SAM Twin Phantom	Speag-SAM	1790	N/A	N/A	N/A
AGC-HE-E017	DAE4	Speag-SD 000 D04 BM	1398	N/A	2025-05-09	2026-05-08
AGC-HE-S002	SAR Software	Speag-DASY5	N/A	52.10.4.1535	N/A	N/A
AGC-HE-E013	Radio Communication Tester	R&S-CMU200	2216/4/24	N/A	2025-1-14	2026-1-13
AGC-HE-A054	Dipole	SATIMO SID750	SN 2216 DIP 0G750-417	N/A-	2025-05-15	2028-05-14
AGC-HE-A056	Dipole	SATIMO SID835	SN 1516 DIP 0G835-399	N/A	2025-05-15	2028-05-14
AGC-HE-A016	Dipole	SATIMO SID1800	SN 4611 DIP 1G800-186	N/A	2025-05-12	2028-05-11
AGC-HE-A059	Dipole	SATIMO SID1900	SN 2915 DIP 1G900-389	N/A	2025-05-15	2028-05-14
AGC-HE-E021	Signal Generator	Agilent-E4438C	US41461365	V5.03	2025-05-21	2026-05-20
AGC-EM-E061	EXA Signal Analyzer	Agilent / N9010A	MY53470504	N/A	2025-05-08	2026-05-07
AGC-HE-E004	Network Analyzer	Rhode & Schwarz ZVL6	101443	3.2	2024-07-24	2025-07-23
AGC-ER-A001	Attenuator	SMA-JK	N/A	N/A	2023-09-21	2025-09-20
AGC-EM-E019	Amplifier	AS0104-55_55	1004793	N/A	N/A	N/A
AGC-EM-E040	Directional Couple	Werlatone/ C5571-10	SN99463	N/A	2024-02-01	2026-01-31
AGC-EM-E041	Directional Couple	Werlatone/ C6026-10	SN99482	N/A	2024-02-01	2026-01-31
AGC-BQ-E016	Power Sensor	NRP-Z21	104604	N/A	2025-05-16	2026-05-15
AGC-HE-E023	Power Sensor	NRP-Z23	100323	N/A	2025-01-14	2026-01-13
AGC-HE-S004	Power Viewer	R&S	V2.3.1.0	N/A	N/A	N/A
AGC-HE-A001	Calibration standard parts for network sub - port	R&S/ ZV-Z132	100707	V2.3.1.0	2024-11-08	2025-11-07
AGC-HE-A002	Thermometer	DigiMate/TP677	3811930452	N/A	2025-05-24	2027-05-23

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	6.95	N	1	1	1	6.95	6.95	∞
Axial Isotropy	E.2.2	0.6	R	√3	√0.5	√0.5	0.24	0.24	∞
Hemispherical Isotropy	E.2.2	1.6	R	√3	√0.5	√0.5	0.65	0.65	∞
Boundary effect	E.2.3	1	R	√3	1	1	0.58	0.58	∞
Linearity	E.2.4	0.45	R	√3	1	1	0.26	0.26	∞
System detection limits	E.2.4	1	R	√3	1	1	0.58	0.58	∞
Modulation response	E2.5	3.3	R	√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	√3	1	1	0.00	0.00	∞
Integration Time	E.2.8	1.7	R	√3	1	1	0.98	0.98	∞
RF ambient conditions-Noise	E.6.1	3	R	√3	1	1	1.73	1.73	∞
RF ambient conditions-reflections	E.6.1	3	R	√3	1	1	1.73	1.73	∞
Probe positioner mechanical tolerance	E.6.2	0.4	R	√3	1	1	0.23	0.23	∞
Probe positioning with respect to phantom shell	E.6.3	6.7	R	√3	1	1	3.87	3.87	∞
Extrapolation, interpolation, and integrations algorithms for max. SAR evaluation	E.5	4	R	√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	√3	1	1	2.89	2.89	∞
SAR scaling	E.6.5	5	R	√3	1	1	2.89	2.89	∞
Phantom and tissue parameters									
Phantom shell uncertainty—shape, thickness, and permittivity	E.3.1	6.6	R	√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	√3	0.78	0.71	1.13	1.02	∞
Liquid permittivity—temperature uncertainty	E.3.4	2.5	R	√3	0.23	0.26	0.33	0.38	∞
Combined Standard Uncertainty			RSS				11.97	11.80	
Expanded Uncertainty (95% Confidence interval)			K=2				23.93	23.61	

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	6.95	N	1	1	1	6.95	6.95	∞
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				11.62	11.46	
Expanded Uncertainty (95% Confidence interval)			K=2				23.25	22.91	

12. CONDUCTED POWER MEASUREMENT

GSM BAND

Mode	Frequency(MHz)	Avg. Burst Power(dBm)	Duty cycle Factor(dBm)	Frame Power(dBm)
Maximum Power <1>				
GPRS 850 （1 Slot）	824.2	29.91	-9	20.91
	836.6	29.45	-9	20.45
	848.8	29.39	-9	20.39
GPRS 850 （2 Slot）	824.2	**31.45**	-6	25.45
	836.6	31.22	-6	25.22
	848.8	31.11	-6	25.11
GPRS 850 （3 Slot）	824.2	31.13	-4.26	26.87
	836.6	30.93	-4.26	26.67
	848.8	30.81	-4.26	26.55
GPRS 850 （4 Slot）	824.2	30.80	-3	**27.80**
	836.6	30.62	-3	27.62
	848.8	30.50	-3	27.50
EGPRS 850 （1 Slot）	824.2	23.95	-9	14.95
	836.6	23.84	-9	14.84
	848.8	23.90	-9	14.90
EGPRS 850 （2 Slot）	824.2	23.81	-6	17.81
	836.6	23.74	-6	17.74
	848.8	23.81	-6	17.81
EGPRS 850 （3 Slot）	824.2	22.24	-4.26	17.98
	836.6	22.20	-4.26	17.94
	848.8	22.24	-4.26	17.98
EGPRS 850 （4 Slot）	824.2	21.14	-3	18.14
	836.6	21.09	-3	18.09
	848.8	21.09	-3	18.09

Mode	Frequency(MHz)	Avg. Burst Power(dBm)	Duty cycle Factor(dBm)	Frame Power(dBm)
Maximum Power <2>				
GPRS 850 （1 Slot）	824.2	29.08	-9	20.08
	836.6	28.76	-9	19.76
	848.8	28.49	-9	19.49
GPRS 850 （2 Slot）	824.2	30.58	-6	24.58
	836.6	31.18	-6	25.18
	848.8	31.04	-6	25.04
GPRS 850 （3 Slot）	824.2	30.15	-4.26	25.89
	836.6	30.26	-4.26	26.00
	848.8	30.71	-4.26	26.45
GPRS 850 （4 Slot）	824.2	30.76	-3	27.76
	836.6	29.68	-3	26.68
	848.8	29.63	-3	26.63

GSM BAND CONTINUE

Mode	Frequency(MHz)	Avg. Burst Power(dBm)	Duty cycle Factor(dBm)	Frame Power(dBm)
Maximum Power <1>				
GPRS1900 （1 Slot）	1850.2	29.51	-9	20.51
	1880	28.96	-9	19.96
	1909.8	28.84	-9	19.84
GPRS1900 （2 Slot）	1850.2	**30.12**	-6	24.12
	1880	29.70	-6	23.70
	1909.8	29.61	-6	23.61
GPRS1900 （3 Slot）	1850.2	30.00	-4.26	25.74
	1880	29.62	-4.26	25.36
	1909.8	29.50	-4.26	25.24
GPRS1900 （4 Slot）	1850.2	29.88	-3	**26.88**
	1880	29.52	-3	26.52
	1909.8	29.37	-3	26.37
EGPRS1900 （1 Slot）	1850.2	26.37	-9	17.37
	1880	26.15	-9	17.15
	1909.8	25.99	-9	16.99
EGPRS1900 （2 Slot）	1850.2	23.92	-6	17.92
	1880	23.81	-6	17.81
	1909.8	23.58	-6	17.58
EGPRS1900 （3 Slot）	1850.2	22.08	-4.26	17.82
	1880	22.01	-4.26	17.75
	1909.8	21.82	-4.26	17.56
EGPRS1900 （4 Slot）	1850.2	20.64	-3	17.64
	1880	20.46	-3	17.46
	1909.8	20.33	-3	17.33

Mode	Frequency(MHz)	Avg. Burst Power(dBm)	Duty cycle Factor(dBm)	Frame Power(dBm)
Maximum Power <2>				
GPRS1900 （1 Slot）	1850.2	29.28	-9	20.28
	1880	28.75	-9	19.75
	1909.8	28.16	-9	19.16
GPRS1900 （2 Slot）	1850.2	29.51	-6	23.51
	1880	29.61	-6	23.61
	1909.8	28.75	-6	22.75
GPRS1900 （3 Slot）	1850.2	29.08	-4.26	24.82
	1880	29.55	-4.26	25.29
	1909.8	29.07	-4.26	24.81
GPRS1900 （4 Slot）	1850.2	29.34	-3	26.34
	1880	29.41	-3	26.41
	1909.8	28.77	-3	25.77

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 β c/β d =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 β c/ β d =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	24.06
	1880	24.32
	1907.6	**24.34**
HSDPA Subtest 1	1852.4	23.19
	1880	23.38
	1907.6	23.38
HSDPA Subtest 2	1852.4	22.64
	1880	22.88
	1907.6	22.83
HSDPA Subtest 3	1852.4	22.66
	1880	22.83
	1907.6	22.88
HSDPA Subtest 4	1852.4	22.60
	1880	22.77
	1907.6	22.83
HSUPA Subtest 1	1852.4	22.87
	1880	22.55
	1907.6	22.88
HSUPA Subtest 2	1852.4	21.84
	1880	22.05
	1907.6	21.69
HSUPA Subtest 3	1852.4	21.81
	1880	21.71
	1907.6	22.05
HSUPA Subtest 4	1852.4	22.50
	1880	22.25
	1907.6	22.62
HSUPA Subtest 5	1852.4	23.04
	1880	23.15
	1907.6	23.16

UMTS BAND IV

Mode	Frequency (MHz)	Avg. Burst Power (dBm)
WCDMA 1700 RMC	1712.4	**24.02**
	1732.4	23.93
	1752.6	23.88
HSDPA Subtest 1	1712.4	22.98
	1732.4	22.92
	1752.6	22.97
HSDPA Subtest 2	1712.4	22.56
	1732.4	22.46
	1752.6	22.39
HSDPA Subtest 3	1712.4	22.50
	1732.4	22.45
	1752.6	22.47
HSDPA Subtest 4	1712.4	22.53
	1732.4	22.43
	1752.6	22.45
HSUPA Subtest 1	1712.4	22.35
	1732.4	22.90
	1752.6	22.16
HSUPA Subtest 2	1712.4	21.94
	1732.4	21.79
	1752.6	21.85
HSUPA Subtest 3	1712.4	21.23
	1732.4	21.44
	1752.6	21.01
HSUPA Subtest 4	1712.4	22.07
	1732.4	21.85
	1752.6	22.29
HSUPA Subtest 5	1712.4	22.96
	1732.4	22.88
	1752.6	22.79

UMTS BAND V

Mode	Frequency (MHz)	Avg. Burst Power (dBm)
WCDMA 850 RMC	826.4	**25.32**
	836.6	24.83
	846.6	23.43
HSDPA Subtest 1	826.4	22.60
	836.6	20.34
	846.6	22.45
HSDPA Subtest 2	826.4	23.76
	836.6	19.94
	846.6	22.17
HSDPA Subtest 3	826.4	23.74
	836.6	20.06
	846.6	22.16
HSDPA Subtest 4	826.4	23.78
	836.6	20.21
	846.6	22.23
HSUPA Subtest 1	826.4	23.91
	836.6	20.59
	846.6	23.34
HSUPA Subtest 2	826.4	22.44
	836.6	20.10
	846.6	22.15
HSUPA Subtest 3	826.4	22.86
	836.6	19.91
	846.6	21.85
HSUPA Subtest 4	826.4	22.94
	836.6	20.27
	846.6	22.52
HSUPA Subtest 5	826.4	24.08
	836.6	21.01
	846.6	23.17

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	22.86	23.11	22.97
			3	0	22.91	23.21	22.98
			5	0	22.88	23.31	22.90
		3	0	0	22.97	23.27	23.07
			2	0	22.92	23.27	22.88
			3	0	22.94	23.17	22.89
		6	0	1	22.03	22.27	21.98
	16QAM	1	0	1	21.67	22.14	22.35
			3	1	21.91	22.59	22.32
			5	1	21.58	21.96	21.91
		3	0	1	21.85	21.88	21.72
			2	1	21.81	22.05	22.09
			3	1	21.85	22.37	21.46
		6	0	2	20.93	21.10	21.14
Bandwidth	**Modulation**	**RB size**	**RB offset**	**Target MPR**	**Channel**	**Channel**	**Channel**
					18615	**18900**	**19185**
3MHz	QPSK	1	0	0	22.71	22.97	23.14
			7	0	22.71	22.92	22.63
			14	0	23.07	22.90	22.83
		8	0	1	22.01	22.02	22.04
			4	1	22.01	22.05	21.97
			7	1	21.94	22.00	21.77
		15	0	1	21.87	22.12	21.83
	16QAM	1	0	1	21.43	22.00	22.36
			7	1	21.72	21.30	21.85
			14	1	21.83	21.83	21.93
		8	0	2	21.21	21.26	20.90
			4	2	21.04	21.19	20.91
			7	2	21.06	21.22	20.99
		15	0	2	20.94	20.93	20.90

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	23.03	23.04	22.81
			13	0	22.73	22.99	22.77
			24	0	22.92	22.96	22.76
		12	0	1	21.90	22.07	22.11
			6	1	21.92	22.11	22.04
			13	1	22.04	22.00	21.92
		25	0	1	21.91	22.07	21.92
	16QAM	1	0	1	21.33	22.04	21.76
			13	1	21.10	21.95	21.18
			24	1	21.47	21.85	21.52
		12	0	2	20.98	21.08	21.10
			6	2	20.98	20.88	21.10
			13	2	20.93	21.08	20.99
		25	0	2	20.96	20.97	21.13
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel 18650	Channel 18900	Channel 19150
10MHz	QPSK	1	0	0	23.18	23.16	22.67
			25	0	23.02	23.16	22.95
			49	0	23.19	23.23	22.99
		25	0	1	22.04	22.25	21.96
			13	1	22.02	22.19	21.96
			25	1	22.13	22.07	22.16
		50	0	1	22.07	22.22	22.11
	16QAM	1	0	1	22.03	22.01	21.52
			25	1	21.79	21.93	22.03
			49	1	21.87	22.26	21.99
		25	0	2	20.87	21.30	20.99
			13	2	20.95	21.10	21.06
			25	2	21.15	21.39	21.21
		50	0	2	21.11	21.15	21.14

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	23.00	23.31	22.96
			38	0	22.89	23.01	22.85
			74	0	23.22	22.83	22.79
		36	0	1	22.06	22.13	21.96
			18	1	22.07	22.23	22.05
			39	1	22.09	22.22	22.04
		75	0	1	22.08	22.21	22.02
	16QAM	1	0	1	22.33	22.17	22.05
			38	1	21.56	22.03	22.00
			74	1	22.41	22.00	21.97
		36	0	2	22.11	22.23	21.96
			18	2	22.04	22.23	22.05
			39	2	22.09	22.22	22.03
		75	0	2	21.23	21.14	21.06
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel	Channel	Channel
					18700	18900	19100
20MHz	QPSK	1	0	0	23.12	23.32	23.12
			50	0	23.07	23.14	23.04
			99	0	**23.46**	22.88	23.03
		50	0	1	22.17	22.30	21.97
			25	1	22.14	22.33	21.96
			50	1	22.26	22.23	22.10
		100	0	1	22.13	22.22	22.01
	16QAM	1	0	1	22.46	22.39	21.86
			50	1	22.22	22.15	21.94
			99	1	22.53	21.54	22.03
		50	0	2	21.22	21.31	21.11
			25	2	21.28	21.31	21.19
			50	2	21.32	21.22	21.15
		100	0	2	21.15	21.26	21.03

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	23.27	23.05	23.05
			3	0	23.55	23.11	23.24
			5	0	23.20	23.09	23.05
		3	0	0	23.34	23.23	23.11
			2	0	23.21	23.22	23.11
			3	0	23.22	23.12	22.99
		6	0	1	22.38	22.16	22.27
	16QAM	1	0	1	22.05	22.02	22.10
			3	1	22.08	22.07	22.16
			5	1	22.02	22.18	22.19
		3	0	1	21.96	21.87	22.20
			2	1	22.04	22.04	21.93
			3	1	22.05	21.81	22.02
		6	0	2	21.21	21.03	21.48
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel	Channel	Channel
					19965	20175	20385
3MHz	QPSK	1	0	0	23.25	23.44	23.19
			7	0	23.23	23.19	22.83
			14	0	23.31	23.07	22.96
		8	0	1	22.27	22.18	22.25
			4	1	22.32	22.21	22.28
			7	1	22.39	22.26	22.09
		15	0	1	22.36	22.24	22.04
	16QAM	1	0	1	21.85	22.20	21.93
			7	1	22.04	21.99	21.91
			14	1	21.99	22.23	22.31
		8	0	2	21.43	21.14	21.34
			4	2	21.30	21.13	21.25
			7	2	21.50	21.02	21.30
		15	0	2	21.34	21.04	21.14

Conducted Power of LTE Band 4(dBm)							
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel	Channel	Channel
					19975	20175	20375
5MHz	QPSK	1	0	0	23.24	23.15	23.08
			13	0	23.25	23.05	22.85
			24	0	23.43	23.04	22.80
		12	0	1	22.27	22.24	22.10
			6	1	22.25	22.18	22.12
			13	1	22.29	22.06	22.07
		25	0	1	22.30	22.11	22.23
	16QAM	1	0	1	21.52	21.93	21.81
			13	1	22.14	21.08	21.29
			24	1	21.98	21.96	21.83
		12	0	2	21.37	21.19	21.15
			6	2	21.37	21.12	20.95
			13	2	21.17	21.17	20.89
		25	0	2	21.28	21.04	21.29
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel	Channel	Channel
					20000	20175	20350
10MHz	QPSK	1	0	0	23.18	23.24	23.06
			25	0	23.38	23.14	23.45
			49	0	23.56	22.95	22.98
		25	0	1	22.36	22.30	22.25
			13	1	22.25	22.32	22.25
			25	1	22.46	22.22	22.30
		50	0	1	22.27	22.19	22.21
	16QAM	1	0	1	21.96	22.17	22.35
			25	1	22.18	22.11	22.12
			49	1	22.30	22.20	22.39
		25	0	2	21.41	21.39	21.10
			13	2	21.28	21.39	21.21
			25	2	21.47	21.17	21.34
		50	0	2	21.46	21.24	21.20

Conducted Power of LTE Band 4(dBm)							
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel 20025	Channel 20175	Channel 20325
15MHz	QPSK	1	0	0	23.25	23.27	23.01
			38	0	23.20	23.01	23.23
			74	0	23.29	23.06	23.34
		36	0	1	22.35	22.22	22.19
			18	1	22.34	22.22	22.27
			39	1	22.33	22.22	22.26
		75	0	1	22.33	22.20	22.26
	16QAM	1	0	1	21.92	22.75	22.04
			38	1	22.42	21.66	22.60
			74	1	22.38	22.24	22.17
		36	0	2	22.34	22.22	22.19
			18	2	22.34	22.22	22.27
			39	2	22.33	22.20	22.26
		75	0	2	21.33	21.29	21.31
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel 20050	Channel 20175	Channel 20300
20MHz	QPSK	1	0	0	23.15	**23.71**	23.06
			50	0	23.33	22.95	23.26
			99	0	23.04	23.02	23.14
		50	0	1	22.26	22.30	22.09
			25	1	22.29	22.30	22.17
			50	1	22.19	22.08	22.27
		100	0	1	22.25	22.21	22.06
	16QAM	1	0	1	21.76	22.61	22.23
			50	1	22.18	22.48	22.43
			99	1	21.85	22.46	22.28
		50	0	2	21.26	21.26	21.30
			25	2	21.38	21.19	21.28
			50	2	21.25	21.21	21.32
		100	0	2	21.22	21.29	21.12

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	23.78	23.49	23.83
			3	0	24.07	23.36	23.41
			5	0	23.79	23.36	23.17
		3	0	0	23.85	23.28	23.65
			2	0	23.90	23.28	23.68
			3	0	23.82	23.28	23.25
		6	0	1	22.90	22.66	22.61
	16QAM	1	0	1	22.53	22.32	23.06
			3	1	22.97	22.29	22.68
			5	1	22.57	22.27	22.32
		3	0	1	22.94	22.25	22.72
			2	1	22.91	22.24	22.71
			3	1	22.83	22.22	22.31
		6	0	2	21.71	21.68	21.60
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel	Channel	Channel
					20415	20525	20635
3MHz	QPSK	1	0	0	**24.11**	23.40	23.72
			7	0	23.84	22.94	23.52
			14	0	23.69	23.15	22.78
		8	0	1	22.98	22.63	22.69
			4	1	22.96	22.49	22.75
			7	1	22.80	22.69	22.64
		15	0	1	22.89	22.58	22.75
	16QAM	1	0	1	22.69	22.36	22.54
			7	1	22.74	22.14	22.47
			14	1	22.71	22.34	21.95
		8	0	2	21.90	21.52	21.78
			4	2	22.08	21.61	21.72
			7	2	22.08	21.82	21.84
		15	0	2	22.04	21.64	21.78

Conducted Power of LTE Band 5(dBm)							
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel	Channel	Channel
					20425	20525	20625
5MHz	QPSK	1	0	0	23.77	23.68	23.98
			13	0	23.60	23.30	23.69
			24	0	23.45	23.85	23.36
		12	0	1	22.98	22.49	22.84
			6	1	22.93	22.50	22.81
			13	1	22.63	22.69	22.61
		25	0	1	22.79	22.48	22.65
	16QAM	1	0	1	22.17	22.11	22.81
			13	1	21.94	22.49	21.81
			24	1	22.26	22.56	22.35
		12	0	2	22.07	21.48	21.52
			6	2	21.95	21.55	21.56
			13	2	21.55	21.54	21.68
		25	0	2	21.85	21.61	21.65
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel	Channel	Channel
					20450	20525	20600
10MHz	QPSK	1	0	0	23.88	23.62	24.02
			25	0	23.61	23.63	23.93
			49	0	23.72	24.01	23.60
		25	0	1	22.97	22.84	23.13
			13	1	22.79	22.84	23.15
			25	1	22.71	23.01	22.75
		50	0	1	22.75	22.79	22.99
	16QAM	1	0	1	23.04	22.77	22.95
			25	1	22.65	22.71	22.89
			49	1	22.88	22.75	22.72
		25	0	2	21.71	21.70	21.95
			13	2	21.65	21.99	22.05
			25	2	21.70	21.80	21.79
		50	0	2	21.69	21.88	21.82

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	23.74	23.83	23.67
			3	0	23.92	23.64	23.63
			5	0	23.91	23.64	23.47
		3	0	0	23.53	23.74	23.80
			2	0	23.48	23.67	23.64
			3	0	23.74	23.69	23.55
		6	0	1	22.96	22.72	22.62
	16QAM	1	0	1	22.59	23.04	22.55
			3	1	22.81	23.04	22.65
			5	1	22.85	22.83	22.60
		3	0	1	22.50	22.28	22.72
			2	1	22.47	22.28	22.70
			3	1	22.69	22.73	22.65
		6	0	2	22.15	21.84	21.75
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel	Channel	Channel
					23025	23095	23165
3MHz	QPSK	1	0	0	23.34	23.61	23.73
			7	0	23.96	23.57	23.44
			14	0	24.02	23.60	23.25
		8	0	1	22.82	22.79	22.72
			4	1	22.80	22.84	22.59
			7	1	22.97	22.58	22.63
		15	0	1	22.75	22.73	22.61
	16QAM	1	0	1	22.47	22.28	22.66
			7	1	23.14	22.30	22.44
			14	1	22.62	22.34	22.30
		8	0	2	22.02	21.85	21.80
			4	2	22.10	21.87	21.75
			7	2	22.12	21.90	21.59
		15	0	2	22.03	21.80	21.83

Conducted Power of LTE Band 12(dBm)							
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel	Channel	Channel
					23035	23095	23155
5MHz	QPSK	1	0	0	23.69	23.83	23.60
			13	0	23.90	23.82	23.56
			24	0	24.00	23.53	23.42
		12	0	1	22.76	22.78	22.61
			6	1	22.72	22.82	22.60
			13	1	22.86	22.59	22.55
		25	0	1	22.73	22.67	22.64
	16QAM	1	0	1	22.29	22.77	22.36
			13	1	22.49	22.42	22.48
			24	1	22.47	22.52	22.40
		12	0	2	21.98	21.89	21.76
			6	2	21.86	21.82	21.88
			13	2	21.81	21.57	21.86
		25	0	2	21.76	21.47	21.59
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel	Channel	Channel
					23060	23095	23130
10MHz	QPSK	1	0	0	23.59	23.95	24.09
			25	0	**24.12**	23.73	23.74
			49	0	23.79	23.65	23.55
		25	0	1	22.74	22.84	22.87
			13	1	22.76	22.89	22.74
			25	1	22.92	22.62	22.81
		50	0	1	22.81	22.74	22.72
	16QAM	1	0	1	22.65	22.65	22.77
			25	1	23.17	22.51	22.59
			49	1	22.58	22.35	22.76
		25	0	2	21.91	21.98	21.96
			13	2	21.85	22.13	21.98
			25	2	21.70	21.83	21.67
		50	0	2	21.81	21.87	21.87

Conducted Power of LTE Band 13(dBm)							
Bandwidth	**Modulation**	**RB size**	**RB offset**	**Target MPR**	**Channel**	**Channel**	**Channel**
					23205	**23230**	**23255**
5MHz	QPSK	1	0	0	23.73	23.80	23.75
			13	0	23.57	23.69	23.47
			24	0	23.69	23.69	23.78
		12	0	1	22.85	22.85	22.68
			6	1	22.83	22.79	22.58
			13	1	22.80	22.58	22.68
		25	0	1	22.76	22.65	22.66
	16QAM	1	0	1	22.29	22.61	22.40
			13	1	21.87	21.63	21.90
			24	1	22.25	22.79	22.14
		12	0	2	21.90	21.81	21.78
			6	2	21.94	21.81	21.78
			13	2	21.85	21.79	21.77
		25	0	2	21.83	21.60	21.77
Bandwidth	**Modulation**	**RB size**	**RB offset**	**Target MPR**	**Channel**		
					23230		
10MHz	QPSK	1	0	0	**23.85**		
			25	0	23.63		
			49	0	23.52		
		25	0	1	22.84		
			13	1	22.73		
			25	1	22.60		
		50	0	1	22.64		
	16QAM	1	0	1	22.64		
			25	1	22.29		
			49	1	22.57		
		25	0	2	21.79		
			13	2	21.80		
			25	2	21.64		
		50	0	2	21.72		

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	23.75	23.70	23.27
			13	0	23.48	23.08	23.26
			24	0	23.53	23.38	22.69
		12	0	1	22.73	22.85	22.77
			6	1	22.72	22.79	22.69
			13	1	22.65	22.65	22.73
		25	0	1	22.67	22.60	22.73
	16QAM	1	0	1	22.60	22.30	22.35
			13	1	22.43	22.10	22.42
			24	1	22.33	22.43	21.88
		12	0	2	21.84	21.81	21.98
			6	2	21.83	21.54	21.79
			13	2	21.77	21.59	21.67
		25	0	2	21.69	21.57	21.66
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel	Channel	Channel
					23780	23790	23800
10MHz	QPSK	1	0	0	**23.84**	23.73	23.54
			25	0	23.09	22.80	22.68
			49	0	22.96	22.71	22.19
		25	0	1	22.88	22.71	22.92
			13	1	22.88	22.73	22.79
			25	1	22.77	22.73	22.66
		50	0	1	22.62	22.92	22.74
	16QAM	1	0	1	22.48	22.75	22.45
			25	1	22.01	21.88	21.68
			49	1	21.77	21.77	21.09
		25	0	2	21.73	21.75	21.68
			13	2	21.92	21.71	21.95
			25	2	21.91	21.82	21.82
		50	0	2	21.87	21.77	21.92

Conducted Power of LTE Band 25(dBm)							
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel 26047	Channel 26365	Channel 26683
1.4MHz	QPSK	1	0	0	22.98	23.29	23.11
			2	0	23.36	23.36	23.39
			5	0	23.28	23.35	23.38
		3	0	0	23.34	**23.50**	23.04
			1	0	23.39	23.43	23.13
			3	0	23.18	23.30	23.26
		6	0	1	22.34	22.30	21.95
	16QAM	1	0	1	22.54	21.95	22.03
			2	1	22.72	22.15	22.73
			5	1	22.34	22.11	22.07
		3	0	1	22.16	22.35	21.60
			1	1	21.76	22.09	21.87
			3	1	22.06	22.10	22.16
		6	0	2	21.44	21.14	20.80
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel 26055	Channel 26365	Channel 26675
3MHz	QPSK	1	0	0	22.63	22.61	22.26
			8	0	22.43	22.40	22.85
			14	0	22.31	22.59	22.92
		8	0	1	21.59	21.55	21.62
			4	1	21.55	21.56	21.40
			7	1	21.57	21.63	21.57
		15	0	1	21.46	21.53	21.51
	16QAM	1	0	1	21.43	21.07	20.88
			8	1	21.20	20.71	22.21
			14	1	21.22	21.20	21.66
		8	0	2	20.66	20.72	20.45
			4	2	20.78	20.75	20.44
			7	2	20.79	20.61	20.51
		15	0	2	20.53	20.42	20.43

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	22.91	23.09	22.59
			12	0	22.77	23.10	22.98
			24	0	22.82	22.89	23.37
		12	0	1	21.93	22.03	22.08
			6	1	21.89	22.04	21.84
			13	1	21.76	21.83	22.00
		25	0	1	21.88	21.94	21.89
	16QAM	1	0	1	21.13	21.92	21.38
			12	1	21.29	20.94	21.76
			24	1	21.21	21.77	21.87
		12	0	2	20.62	21.28	21.13
			6	2	20.75	21.02	21.09
			13	2	20.89	21.02	21.07
		25	0	2	20.97	20.94	21.00
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel	Channel	Channel
					26090	26365	26640
10MHz	QPSK	1	0	0	22.41	22.64	22.86
			24	0	22.01	22.41	21.57
			49	0	22.50	21.84	22.72
		25	0	1	21.31	21.55	21.64
			12	1	21.37	21.52	21.60
			25	1	21.38	21.44	21.44
		50	0	1	21.31	21.53	21.53
	16QAM	1	0	1	21.46	21.34	21.93
			24	1	21.02	20.58	20.45
			49	1	21.61	20.70	21.53
		25	0	2	20.25	20.73	20.80
			12	2	20.24	20.50	20.80
			25	2	20.35	20.47	20.56
		50	0	2	20.29	20.43	20.68

Conducted Power of LTE Band 25(dBm)							
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel	Channel	Channel
					26115	26365	26615
15MHz	QPSK	1	0	0	22.62	22.89	23.26
			38	0	22.43	22.51	22.82
			74	0	22.54	22.15	22.55
		38	0	1	21.34	21.77	21.83
			18	1	21.40	21.69	21.86
			37	1	21.42	21.81	21.86
		75	0	1	21.42	21.83	21.87
	16QAM	1	0	1	21.96	22.09	21.86
			38	1	21.17	21.63	21.62
			74	1	21.11	21.29	21.79
		38	0	2	21.32	21.74	21.85
			18	2	21.41	21.80	21.86
			37	2	21.42	21.74	21.87
		75	0	2	20.46	21.00	20.99
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel	Channel	Channel
					26140	26365	26590
20MHz	QPSK	1	0	0	22.55	23.17	22.90
			49	0	22.36	22.27	22.90
			99	0	22.77	21.73	22.64
		50	0	1	21.41	21.55	21.71
			25	1	21.39	21.56	21.68
			50	1	21.39	21.52	21.48
		100	0	1	21.37	21.49	21.70
	16QAM	1	0	1	21.12	22.33	21.57
			49	1	21.13	21.51	21.84
			99	1	21.54	20.87	21.40
		50	0	2	20.49	20.60	20.81
			25	2	20.43	20.57	20.73
			50	2	20.41	20.51	20.67
		100	0	2	20.50	20.54	20.63

Conducted Power of LTE Band 26A(dBm)							
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel	Channel	Channel
					26797	26915	27033
1.4MHz	QPSK	1	0	0	23.77	23.78	23.64
			2	0	23.61	23.60	23.57
			5	0	23.53	23.71	23.51
		3	0	0	23.67	23.68	23.83
			1	0	23.63	23.66	23.82
			3	0	23.47	23.62	23.68
		6	0	1	22.68	22.74	22.77
	16QAM	1	0	1	22.48	22.70	22.80
			2	1	22.49	22.83	22.72
			5	1	22.39	22.77	22.77
		3	0	1	22.41	22.42	22.32
			1	1	22.44	22.69	22.72
			3	1	22.46	22.31	22.18
		6	0	2	21.91	21.79	21.76
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel	Channel	Channel
					26805	26915	27025
3MHz	QPSK	1	0	0	23.51	23.64	23.75
			8	0	23.38	23.50	23.40
			14	0	23.31	23.59	23.30
		8	0	1	22.63	22.76	22.78
			4	1	22.65	22.69	22.81
			7	1	22.50	22.64	22.56
		15	0	1	22.45	22.64	22.79
	16QAM	1	0	1	22.71	22.57	22.84
			8	1	22.03	22.42	22.45
			14	1	22.21	22.48	22.51
		8	0	2	21.73	21.83	21.63
			4	2	21.73	21.84	21.54
			7	2	21.70	21.94	21.85
		15	0	2	21.55	21.84	21.84

Conducted Power of LTE Band 26A(dBm)							
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel	Channel	Channel
					26815	26915	27015
5MHz	QPSK	1	0	0	23.73	23.60	23.78
			12	0	23.29	23.70	23.41
			24	0	23.38	23.53	23.50
		12	0	1	22.40	22.62	22.74
			6	1	22.42	22.72	22.64
			13	1	22.35	22.67	22.54
		25	0	1	22.43	22.73	22.55
	16QAM	1	0	1	22.04	22.72	22.26
			12	1	21.64	22.71	21.89
			24	1	22.15	22.75	21.87
		12	0	2	21.57	21.76	21.53
			6	2	21.32	21.76	21.53
			13	2	21.27	21.63	21.53
		25	0	2	21.47	21.58	21.75
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel	Channel	Channel
					26840	26915	26990
10MHz	QPSK	1	0	0	23.53	23.70	23.62
			24	0	23.48	**23.85**	23.79
			49	0	23.68	23.65	23.54
		25	0	1	22.60	22.87	22.84
			12	1	22.53	22.80	22.71
			25	1	22.62	22.66	22.83
		50	0	1	22.52	22.79	22.80
	16QAM	1	0	1	22.69	22.72	22.94
			24	1	22.46	22.59	22.47
			49	1	22.77	22.55	22.76
		25	0	2	21.54	21.95	21.61
			12	2	21.55	21.96	21.74
			25	2	21.64	21.66	21.77
		50	0	2	21.58	21.86	21.76

Conducted Power of LTE Band 26A(dBm)							
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel 26865	Channel 26915	Channel 26965
15MHz	QPSK	1	0	0	23.62	23.46	23.66
			38	0	23.34	23.42	23.49
			74	0	23.69	23.48	23.53
		38	0	1	22.61	22.70	22.68
			18	1	22.59	22.71	22.68
			37	1	22.59	22.71	22.68
		75	0	1	22.58	22.70	22.67
	16QAM	1	0	1	22.67	22.99	22.75
			38	1	22.43	23.01	22.31
			74	1	22.91	22.84	22.73
		38	0	2	22.60	22.71	22.68
			18	2	22.59	22.71	22.68
			37	2	22.59	22.71	22.67
		75	0	2	21.65	21.68	21.67

Conducted Power of LTE Band 26B(dBm)							
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel	Channel	Channel
					26697	26740	26783
1.4MHz	QPSK	1	0	0	23.50	23.42	23.54
			2	0	23.52	23.59	23.54
			5	0	23.63	23.51	23.42
		3	0	0	23.63	23.59	23.62
			1	0	23.59	23.69	23.53
			3	0	23.75	23.49	23.57
		6	0	1	22.64	22.71	22.62
	16QAM	1	0	1	22.64	22.83	22.22
			2	1	22.52	22.70	22.37
			5	1	22.41	22.50	22.23
		3	0	1	22.43	22.17	22.15
			1	1	22.32	22.07	22.06
			3	1	22.37	22.01	22.39
		6	0	2	21.79	21.76	21.45
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel	Channel	Channel
					26705	26740	26775
3MHz	QPSK	1	0	0	23.43	23.64	**23.98**
			8	0	23.27	23.46	23.37
			14	0	23.66	23.57	23.51
		8	0	1	22.51	22.63	22.62
			4	1	22.51	22.55	22.54
			7	1	22.61	22.51	22.52
		15	0	1	22.54	22.60	22.57
	16QAM	1	0	1	22.34	22.08	22.62
			8	1	22.37	22.28	22.28
			14	1	22.74	22.26	22.55
		8	0	2	21.69	21.69	21.59
			4	2	21.61	21.70	21.47
			7	2	21.71	21.79	21.49
		15	0	2	21.40	21.59	21.55

Conducted Power of LTE Band 26B(dBm)							
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel 26715	Channel 26740	Channel 26765
5MHz	QPSK	1	0	0	23.62	23.67	23.56
			12	0	23.50	23.55	23.35
			24	0	23.61	23.55	23.51
		12	0	1	22.59	22.57	22.72
			6	1	22.58	22.58	22.73
			13	1	22.60	22.45	22.50
		25	0	1	22.60	22.59	22.58
	16QAM	1	0	1	22.05	22.60	22.23
			12	1	22.20	22.38	21.82
			24	1	22.44	22.67	22.24
		12	0	2	21.64	21.69	21.71
			6	2	21.49	21.81	21.72
			13	2	21.67	21.67	21.39
		25	0	2	21.57	21.51	21.57

Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel 26740
10MHz	QPSK	1	0	0	23.62
			24	0	23.62
			49	0	23.46
		25	0	1	22.80
			12	1	22.80
			25	1	22.64
		50	0	1	22.74
	16QAM	1	0	1	22.77
			24	1	22.81
			49	1	22.26
		25	0	2	21.70
			12	2	21.82
			25	2	21.67
		50	0	2	21.69

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	-	-	-	-	-

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, Face up SAR was performed with the face up of the device positioned at 25mm from the flat phantom, Body back SAR was performed with the device configured with all accessories close to the Flat 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. 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.
4. 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)]
5. Proximity sensor, just for avoiding the wrong operation in the phone screen when call, and has no influence on output power or SAR result
6. 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.
7. Per KDB 941125 D05v02r05, 50% RB allocation for QPSK SAR testing follows 1RB QPSK allocation procedure.
8. 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.
9. 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.
10. 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										
Product: IP/POC Two Way Radio										
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)**	**Tune-up Scaling factor**	**Scaled SAR (W/kg)**	**Limit (W/kg)**
SIM 1 Card										
Left Cheek	voice	190	836.6	-0.05	0.659	31.00	30.62	1.091	0.719	1.6
Left Tilt	voice	190	836.6	0.18	0.294	31.00	30.62	1.091	0.321	1.6
Right Cheek	voice	190	836.6	-0.01	**0.724**	31.00	30.62	1.091	**0.790**	1.6
Right Tilt	voice	190	836.6	-0.04	0.258	31.00	30.62	1.091	0.282	1.6
Body back touch with accessories	voice	190	836.6	0.08	**0.402**	31.00	30.62	1.091	**0.439**	1.6
Face up	voice	190	836.6	0.19	**0.270**	31.00	30.62	1.091	**0.295**	1.6
Body back touch with accessories	GPRS-4 slot	190	836.6	-0.13	**0.328**	31.00	30.62	1.091	**0.358**	1.6
Face up	GPRS-4 slot	190	836.6	0.13	**0.247**	31.00	30.62	1.091	**0.270**	1.6

SAR MEASUREMENT										
Depth of Liquid (cm):>15										
Product: IP/POC Two Way Radio										
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)**	**Tune-up Scaling factor**	**Scaled SAR (W/kg)**	**Limit (W/kg)**
SIM 1 Card										
Left Cheek	voice	661	1880.0	0.13	**0.730**	29.90	29.52	1.091	**0.797**	1.6
Left Tilt	voice	661	1880.0	-0.15	0.554	29.90	29.52	1.091	0.605	1.6
Right Cheek	voice	661	1880.0	0.12	0.647	29.90	29.52	1.091	0.706	1.6
Right Tilt	voice	661	1880.0	0.02	0.515	29.90	29.52	1.091	0.562	1.6
Body back touch with accessories	voice	661	1880.0	0.07	**0.169**	29.90	29.52	1.091	**0.184**	1.6
Face up	voice	661	1880.0	0.06	**0.271**	29.90	29.52	1.091	**0.296**	1.6
Body back touch with accessories	GPRS-4 slot	661	1880.0	-0.09	**0.163**	29.90	29.52	1.091	**0.178**	1.6
Face up	GPRS-4 slot	661	1880.0	0.10	**0.275**	29.90	29.52	1.091	**0.300**	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.

SAR MEASUREMENT										
Depth of Liquid (cm):>15										
Product: IP/POC Two Way Radio										
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)**	**Tune-up Scaling factor**	**Scaled SAR (W/kg)**	**Limit (W/kg)**
Left Cheek	RMC 12.2kbps	9262	1852.4	-0.01	0.894	24.50	24.06	1.107	0.989	1.6
Left Cheek	RMC 12.2kbps	9400	1880	0.09	0.924	24.50	24.32	1.042	0.963	1.6
Left Cheek	RMC 12.2kbps	9538	1907.6	0.10	**0.954**	24.50	24.34	1.038	**0.990**	1.6
Left Tilt	RMC 12.2kbps	9400	1880	0.04	0.645	24.50	24.32	1.042	0.672	1.6
Right Cheek	RMC 12.2kbps	9262	1852.4	0.10	0.892	24.50	24.06	1.107	0.987	1.6
Right Cheek	RMC 12.2kbps	9400	1880	0.02	0.899	24.50	24.32	1.042	0.937	1.6
Right Cheek	RMC 12.2kbps	9538	1907.6	0.08	0.904	24.50	24.34	1.038	0.938	1.6
Right Tilt	RMC 12.2kbps	9400	1880	0.13	0.634	24.50	24.32	1.042	0.661	1.6
Body back touch with accessories	RMC 12.2kbps	9400	1880	0.09	**0.078**	24.50	24.32	1.042	**0.081**	1.6
Face up	RMC 12.2kbps	9400	1880	0.13	**0.127**	24.50	24.32	1.042	**0.132**	1.6

SAR MEASUREMENT										
Depth of Liquid (cm):>15										
Product: IP/POC Two Way Radio										
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)**	**Tune-up Scaling factor**	**Scaled SAR (W/kg)**	**Limit (W/kg)**
Left Cheek	RMC 12.2kbps	8662	1732.4	0.18	0.744	24.10	23.93	1.040	0.774	1.6
Left Tilt	RMC 12.2kbps	8662	1732.4	-0.09	0.383	24.10	23.93	1.040	0.398	1.6
Right Cheek	RMC 12.2kbps	8562	1712.4	0.07	0.808	24.10	24.02	1.019	0.823	1.6
Right Cheek	RMC 12.2kbps	8662	1732.4	0.14	0.825	24.10	23.93	1.040	0.858	1.6
Right Cheek	RMC 12.2kbps	8763	1752.6	0.14	**0.836**	24.10	23.88	1.052	**0.879**	1.6
Right Tilt	RMC 12.2kbps	8662	1732.4	0.14	0.592	24.10	23.93	1.040	0.616	1.6
Body back touch with accessories	RMC 12.2kbps	8662	1732.4	0.09	**0.061**	24.10	23.93	1.040	**0.063**	1.6
Face up	RMC 12.2kbps	8662	1732.4	-0.02	**0.096**	24.10	23.93	1.040	**0.100**	1.6

SAR MEASUREMENT										
Depth of Liquid (cm):>15										
Product: IP/POC Two Way Radio										
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)**	**Tune-up Scaling factor**	**Scaled SAR (W/kg)**	**Limit (W/kg)**
Left Cheek	RMC 12.2kbps	4183	836.6	-0.03	**0.691**	25.40	24.83	1.140	**0.788**	1.6
Left Tilt	RMC 12.2kbps	4183	836.6	0.08	0.368	25.40	24.83	1.140	0.420	1.6
Right Cheek	RMC 12.2kbps	4183	836.6	-0.03	0.680	25.40	24.83	1.140	0.775	1.6
Right Tilt	RMC 12.2kbps	4183	836.6	0.14	0.318	25.40	24.83	1.140	0.363	1.6
Body back touch with accessories	RMC 12.2kbps	4183	836.6	-0.05	**0.357**	25.40	24.83	1.140	**0.407**	1.6
Face up	RMC 12.2kbps	4183	836.6	0.04	**0.249**	25.40	24.83	1.140	**0.284**	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 touch with accessories, Face up and 4 Edges is 10mm of all above table.

SAR MEASUREMENT													
Depth of Liquid (cm):>15													
Product: IP/POC Two Way Radio													
Test Mode: LTE Band 2													
BM MHz	**MOD**	**Position**	**Test Mode**		**Ch.**	**Freq. (MHz)**	**Power Drift (<±0.2dB)**	**SAR (1g) (W/kg)**	**Max. Tune up Power (dBm)**	**Meas. output Power (dBm)**	**Tune-up Scaling factor**	**Scaled SAR (W/kg)**	**Limit (W/kg)**
			UL RB Allocation	**UL RB Allocation**									
20	**QPSK**	Left Cheek	1	0	18700	1860	0.07	0.767	23.50	23.12	1.091	0.837	1.6
		Left Cheek	1	0	18900	1880	0.16	0.789	23.50	23.32	1.042	0.822	1.6
		Left Cheek	1	0	19100	1900	0.06	0.794	23.50	23.12	1.091	0.867	1.6
		Left Tilt	1	0	18900	1880	-0.06	0.560	23.50	23.32	1.042	0.584	1.6
		Right Cheek	1	0	18700	1860	0.07	0.968	23.50	23.12	1.091	1.057	1.6
		Right Cheek	1	0	18900	1880	0.01	0.948	23.50	23.32	1.042	0.988	1.6
		Right Cheek	1	0	19100	1900	-0.02	**1.05**	23.50	23.12	1.091	**1.146**	1.6
		Right Tilt	1	0	18900	1880	0.05	0.780	23.50	23.32	1.042	0.813	1.6
		Body back touch with accessories	1	0	18900	1880	-0.03	**0.075**	23.50	23.32	1.042	**0.078**	1.6
		Face up	1	0	18900	1880	0.13	**0.143**	23.50	23.32	1.042	**0.149**	1.6

SAR MEASUREMENT													
Depth of Liquid (cm):>15													
Product: IP/POC Two Way Radio													
Test Mode: LTE Band 4													
BM MHz	MOD	Position	Test Mode		Ch.	Freq. (MHz)	Power Drift (<±0.2dB)	SAR (1g) (W/kg)	Max. Tune up Power (dBm)	Meas. output Power (dBm)	Tune-up Scaling factor	Scaled SAR (W/kg)	Limit (W/kg)
			UL RB Allocation	UL RB START									
20	QPSK	Left Cheek	1	0	20050	1720	0.07	1.02	23.80	23.15	1.161	1.185	1.6
		Left Cheek	1	0	20175	1732.5	-0.04	0.996	23.80	23.71	1.021	1.017	1.6
		Left Cheek	1	0	20300	1745	-0.16	**1.09**	23.80	23.06	1.186	**1.292**	1.6
		Left Tilt	1	0	20175	1732.5	-0.11	0.844	23.80	23.71	1.021	0.862	1.6
		Right Cheek	1	0	20050	1720	0.10	0.936	23.80	23.15	1.161	1.087	1.6
		Right Cheek	1	0	20175	1732.5	-0.13	0.930	23.80	23.71	1.021	0.949	1.6
		Right Cheek	1	0	20300	1745	0.11	0.931	23.80	23.06	1.186	1.104	1.6
		Right Tilt	1	0	20175	1732.5	0.08	0.671	23.80	23.71	1.021	0.685	1.6
		Body back touch with accessories	1	0	20175	1732.5	0.14	**0.117**	23.80	23.71	1.021	**0.119**	1.6
		Face up	1	0	20175	1732.5	0.11	**0.163**	23.80	23.71	1.021	**0.166**	1.6

SAR MEASUREMENT													
Depth of Liquid (cm):>15													
Product: IP/POC Two Way Radio													
Test Mode: LTE Band 5													
BM MHz	MOD	Position	Test Mode		Ch.	Freq. (MHz)	Power Drift (<±0.2dB)	SAR (1g) (W/kg)	Max. Tune up Power (dBm)	Meas. output Power (dBm)	Tune-up Scaling factor	Scaled SAR (W/kg)	Limit (W/kg)
			UL RB Allocation	UL RB START									
10	QPSK	Left Cheek	1	0	20450	829	-0.11	0.858	24.20	23.88	1.076	0.924	1.6
		Left Cheek	1	0	20525	836.5	-0.13	0.852	24.20	23.62	1.143	0.974	1.6
		Left Cheek	1	0	20600	844	0.12	0.857	24.20	24.02	1.042	0.893	1.6
		Left Tilt	1	0	20525	836.5	-0.07	0.593	24.20	23.62	1.143	0.678	1.6
		Right Cheek	1	0	20450	829	0.07	0.955	24.20	23.88	1.076	1.028	1.6
		Right Cheek	1	0	20525	836.5	0.01	**0.956**	24.20	23.62	1.143	**1.093**	1.6
		Right Cheek	1	0	20600	844	-0.05	0.943	24.20	24.02	1.042	0.983	1.6
		Right Tilt	1	0	20525	836.5	-0.16	0.504	24.20	23.62	1.143	0.576	1.6
		Body back touch with accessories	1	0	20525	836.5	0.10	**0.339**	24.20	23.62	1.143	**0.387**	1.6
		Face up	1	0	20525	836.5	-0.05	**0.247**	24.20	23.62	1.143	**0.282**	1.6

SAR MEASUREMENT													
Depth of Liquid (cm):>15													
Product: IP/POC Two Way Radio													
Test Mode: LTE Band 12													
BM MHz	**MOD**	**Position**	**Test Mode**		**Ch.**	**Freq. (MHz)**	**Power Drift (<±0.2dB)**	**SAR (1g) (W/kg)**	**Max. Tune up Power (dBm)**	**Meas. output Power (dBm)**	**Tune-up Scaling factor**	**Scaled SAR (W/kg)**	**Limit (W/kg)**
			UL RB Allocation	**UL RB START**									
10	**QPSK**	Left Cheek	1	0	23095	707.5	0.15	0.653	24.20	23.95	1.059	0.692	1.6
		Left Tilt	1	0	23095	707.5	-0.07	0.510	24.20	23.95	1.059	0.540	1.6
		Right Cheek	1	0	23095	707.5	0.14	**0.671**	24.20	23.95	1.059	**0.711**	1.6
		Right Tilt	1	0	23095	707.5	0.10	0.541	24.20	23.95	1.059	0.573	1.6
		Body back touch with accessories	1	0	23095	707.5	0.13	**0.170**	24.20	23.95	1.059	**0.180**	1.6
		Face up	1	0	23095	707.5	0.18	**0.171**	24.20	23.95	1.059	**0.181**	1.6

SAR MEASUREMENT													
Depth of Liquid (cm):>15													
Product: IP/POC Two Way Radio													
Test Mode: LTE Band 13													
BM MHz	**MOD**	**Position**	**Test Mode**		**Ch.**	**Freq. (MHz)**	**Power Drift (<±0.2dB)**	**SAR (1g) (W/kg)**	**Max. Tune up Power (dBm)**	**Meas. output Power (dBm)**	**Tune-up Scaling factor**	**Scaled SAR (W/kg)**	**Limit (W/kg)**
			UL RB Allocation	**UL RB START**									
10	**QPSK**	Left Cheek	1	0	23230	782	0.03	1.04	23.90	23.85	1.012	1.052	1.6
		Left Tilt	1	0	23230	782	-0.13	0.467	23.90	23.85	1.012	0.472	1.6
		Right Cheek	1	0	23230	782	0.19	**1.13**	23.90	23.85	1.012	**1.143**	1.6
		Right Tilt	1	0	23230	782	0.03	0.628	23.90	23.85	1.012	0.635	1.6
		Body back touch with accessories	1	0	23230	782	0.10	**0.483**	23.90	23.85	1.012	**0.489**	1.6
		Face up	1	0	23230	782	0.06	**0.331**	23.90	23.85	1.012	**0.335**	1.6

SAR MEASUREMENT													
Depth of Liquid (cm):>15													
Product: IP/POC Two Way Radio													
Test Mode: LTE Band 17													
BM MHz	**MOD**	**Position**	**Test Mode**		**Ch.**	**Freq. (MHz)**	**Power Drift (<±0.2dB)**	**SAR (1g) (W/kg)**	**Max. Tune up Power (dBm)**	**Meas. output Power (dBm)**	**Tune-up Scaling factor**	**Scaled SAR (W/kg)**	**Limit (W/kg)**
			UL RB Allocation	**UL RB START**									
10	**QPSK**	Left Cheek	1	0	23790	710	0.06	0.455	23.90	23.73	1.040	0.473	1.6
		Left Tilt	1	0	23790	710	0.01	0.279	23.90	23.73	1.040	0.290	1.6
		Right Cheek	1	0	23790	710	-0.01	**0.614**	23.90	23.73	1.040	**0.639**	1.6
		Right Tilt	1	0	23790	710	-0.01	0.367	23.90	23.73	1.040	0.382	1.6
		Body back touch with accessories	1	0	23790	710	-0.15	**0.161**	23.90	23.73	1.040	**0.167**	1.6
		Face up	1	0	23790	710	0.03	**0.154**	23.90	23.73	1.040	**0.160**	1.6

SAR MEASUREMENT													
Depth of Liquid (cm):>15													
Product: IP/POC Two Way Radio													
Test Mode: LTE Band 25													
BM MHz	**MOD**	**Position**	**Test Mode**		**Ch.**	**Freq. (MHz)**	**Power Drift (<±0.2dB)**	**SAR (1g) (W/kg)**	**Max. Tune up Power (dBm)**	**Meas. output Power (dBm)**	**Tune-up Scaling factor**	**Scaled SAR (W/kg)**	**Limit (W/kg)**
			UL RB Allocation	**UL RB START**									
10	**QPSK**	Left Cheek	1	0	26140	1860	0.16	0.900	23.60	22.55	1.274	**1.146**	1.6
		Left Cheek	1	0	26365	1882.5	0.10	**1**	23.60	23.17	1.104	1.104	1.6
		Left Cheek	1	0	26590	1905	0.05	0.952	23.60	22.90	1.175	1.119	1.6
		Left Tilt	1	0	26365	1882.5	0.02	0.599	23.60	23.17	1.104	0.661	1.6
		Right Cheek	1	0	26140	1860	0.03	0.842	23.60	22.55	1.274	1.072	1.6
		Right Cheek	1	0	26365	1882.5	-0.09	0.824	23.60	23.17	1.104	0.910	1.6
		Right Cheek	1	0	26590	1905	0.03	0.876	23.60	22.90	1.175	1.029	1.6
		Right Tilt	1	0	26365	1882.5	0.08	0.530	23.60	23.17	1.104	0.585	1.6
		Body back touch with accessories	1	0	26365	1882.5	-0.01	**0.124**	23.60	23.17	1.104	**0.137**	1.6
		Face up	1	0	26365	1882.5	0.16	**0.167**	23.60	23.17	1.104	**0.184**	1.6

SAR MEASUREMENT													
Depth of Liquid (cm):>15													
Product: IP/POC Two Way Radio													
Test Mode: LTE Band 26a													
BM MHz	**MOD**	**Position**	**Test Mode**		**Ch.**	**Freq. (MHz)**	**Power Drift (<±0.2dB)**	**SAR (1g) (W/kg)**	**Max. Tune up Power (dBm)**	**Meas. output Power (dBm)**	**Tune-up Scaling factor**	**Scaled SAR (W/kg)**	**Limit (W/kg)**
			UL RB Allocation	**UL RB START**									
15	**QPSK**	Left Cheek	1	0	26915	836.5	-0.01	0.661	23.90	23.46	1.107	0.731	1.6
		Left Tilt	1	0	26915	836.5	-0.18	0.293	23.90	23.46	1.107	0.324	1.6
		Right Cheek	1	0	26915	836.5	-0.09	**0.665**	23.90	23.46	1.107	**0.736**	1.6
		Right Tilt	1	0	26915	836.5	0.04	0.366	23.90	23.46	1.107	0.405	1.6
		Body back touch with accessories	1	0	26915	836.5	0.15	**0.990**	23.90	23.46	1.107	**1.096**	1.6
		Face up	1	0	26915	836.5	-0.17	**0.239**	23.90	23.46	1.107	**0.264**	1.6

SAR MEASUREMENT													
Depth of Liquid (cm):>15													
Product: IP/POC Two Way Radio													
Test Mode: LTE Band 26b													
BM MHz	**MOD**	**Position**	**Test Mode**		**Ch.**	**Freq. (MHz)**	**Power Drift (<±0.2dB)**	**SAR (1g) (W/kg)**	**Max. Tune up Power (dBm)**	**Meas. output Power (dBm)**	**Tune-up Scaling factor**	**Scaled SAR (W/kg)**	**Limit (W/kg)**
			UL RB Allocation	**UL RB START**									
10	**QPSK**	Left Cheek	1	0	26740	819	-0.12	0.665	24.00	23.62	1.091	0.726	1.6
		Left Tilt	1	0	26740	819	-0.01	0.275	24.00	23.62	1.091	0.300	1.6
		Right Cheek	1	0	26740	819	-0.07	**0.691**	24.00	23.62	1.091	**0.754**	1.6
		Right Tilt	1	0	26740	819	0.02	0.314	24.00	23.62	1.091	0.343	1.6
		Body back touch with accessories	1	0	26740	819	0.11	**0.996**	24.00	23.62	1.091	**1.087**	1.6
		Face up	1	0	26740	819	-0.03	**0.245**	24.00	23.62	1.091	**0.267**	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.

Repeated SAR										
Product: IP/POC Two Way Radio										
Test Mode: WCDMA Band II & WCDMA Band IV & LTE Band 2& LTE Band 4& LTE Band 5&LTE Band 13& 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**
Left Cheek	RMC 12.2kbps		9538	1907.6	0.16	0.930	--	--	--	--	1.6
Right Cheek	RMC 12.2kbps		8763	1752.6	-0.04	0.754	--	--	--	--	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**									
Right Cheek	1	0	19100	1900	0.07	0.970	--	--	--	--	1.6
Left Cheek	1	0	20300	1745	0.12	1.02	--	--	--	--	1.6
Right Cheek	1	0	20525	836.5	-0.03	0.938	--	--	--	--	1.6
Right Cheek	1	0	23230	782	-0.01	1.02	--	--	--	--	1.6
Left Cheek	1	0	26365	1882.5	0.10	0.931	--	--	--	--	1.6

The second repeated SAR judge reference									
Product: IP/POC Two Way Radio									
Band	**Position**	**Mode**		**Ch.**	**Fr. (MHz)**	**Orignal SAR (1g) (W/kg)**	**First SAR (1g) (W/kg)**	**Ratio**	**Limit**
WCDMA Band II	Left Cheek	RMC 12.2kbps		9538	1907.6	0.954	0.930	1.026	<1.2
WCDMA Band IV	Right Cheek	RMC 12.2kbps		8763	1752.6	0.836	0.754	1.109	<1.2
Band	**Position**	**Mode**		**Ch.**	**Fr. (MHz)**	**Orignal SAR (1g) (W/kg)**	**First SAR (1g) (W/kg)**	**Ratio**	**Limit**
		UL RB Allocation	**UL RB START**						
LTE Band 2	Right Cheek	1	0	19100	1900	1.05	0.970	1.082	<1.2
LTE Band 4	Left Cheek	1	0	20300	1745	1.09	1.02	1.069	<1.2
LTE Band 5	Right Cheek	1	0	20525	836.5	0.956	0.938	1.019	<1.2
LTE Band 13	Right Cheek	1	0	23230	782	1.13	1.02	1.108	<1.2
LTE Band 25	Left Cheek	1	0	26365	1882.5	1	0.931	1.074	<1.2

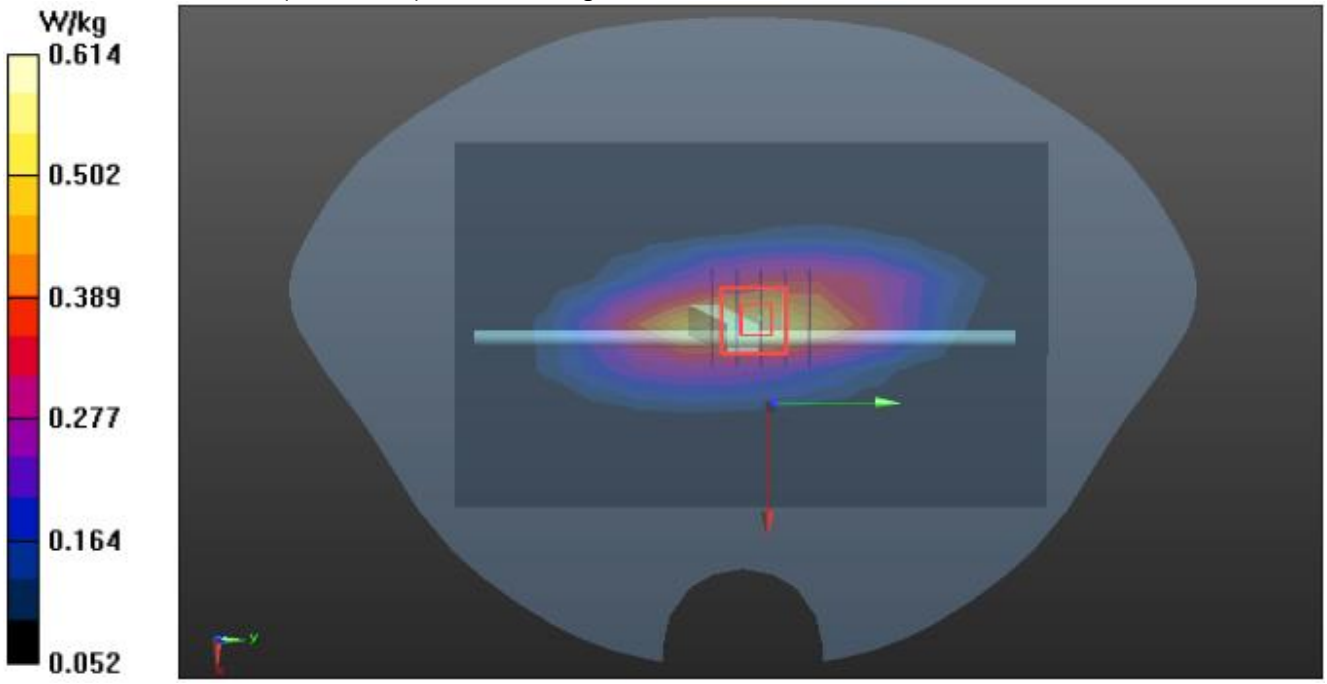
APPENDIX A. SAR SYSTEM CHECK DATA

Test Laboratory: AGC Lab **Date: Jun. 17, 2025**
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=0.87 mho/m; εr =40.95; ρ= 1000 kg/m^3 ;
Phantom section: Flat Section; Input Power=18dBm

DASY Configuration:
• Probe: EX3DV4 – SN:3953; ConvF(10.38, 10.38, 10.38); Calibrated: 2024-09-05;
• Sensor-Surface: 1.4mm (Mechanical Surface Detection), z = 1.0, 31.0
• Electronics: DAE4 SN1398; Calibrated: 2025-05-09
• Phantom: SAM (20deg probe tilt) with CRP v5.0; Type: QD000P40CD;
• DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

System Check Head 700MHz/Area Scan (9x14x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.573 W/kg
System Check Head 700MHz/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 23.64 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 0.821 W/kg
SAR(1 g) = 0.505 W/kg; SAR(10 g) = 0.316 W/kg
Smallest distance from peaks to all points 3 dB below = 14.4 mm
Ratio of SAR at M2 to SAR at M1 = 62.4%
Maximum value of SAR (measured) = 0.614 W/kg

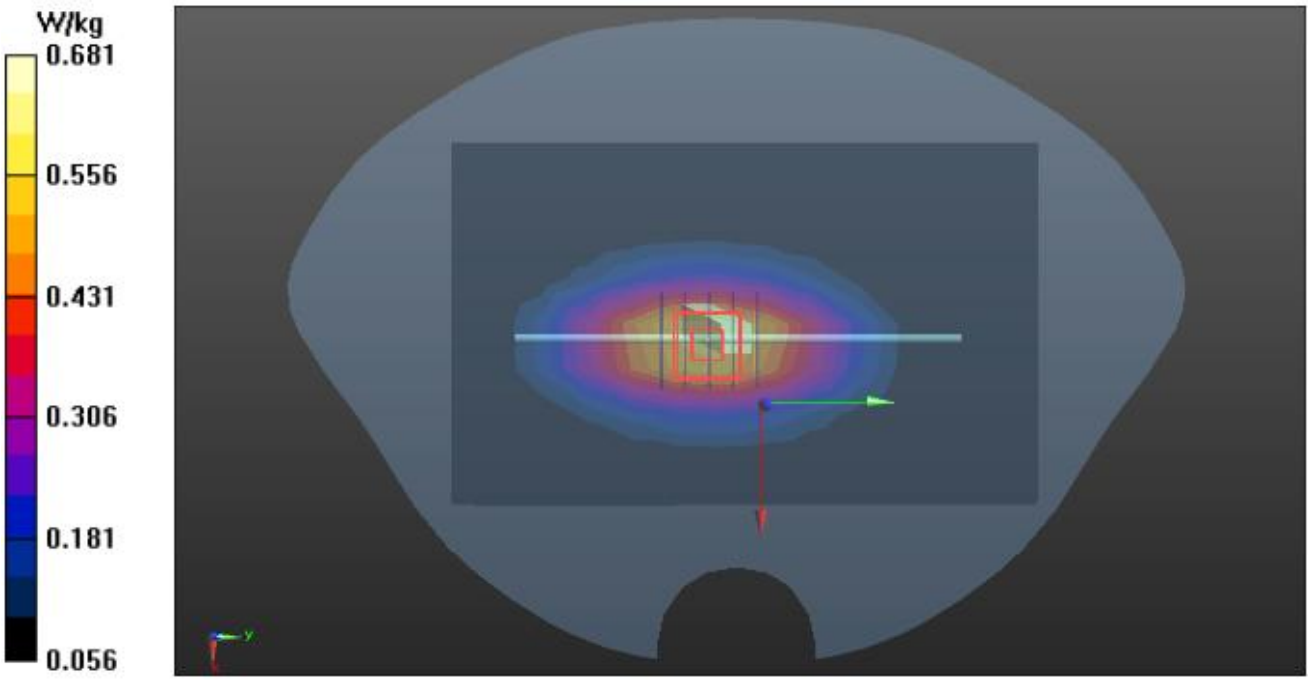


Test Laboratory: AGC Lab **Date: Jul. 18, 2025**
System Check Head 835 MHz
DUT: Dipole 835 MHz Type: SID 835

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 =41.08; ρ= 1000 kg/m³ ;
Phantom section: Flat Section; Input Power=18dBm

DASY Configuration:
• Probe: EX3DV4 – SN:3953; ConvF(9.95, 9.95, 9.95); Calibrated: 2024-09-05;
• Sensor-Surface: 1.4mm (Mechanical Surface Detection), z = 1.0, 31.0
• Electronics: DAE4 SN1398; Calibrated: 2025-05-09
• Phantom: SAM (20deg probe tilt) with CRP v5.0; Type: QD000P40CD;
• DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

System Check Head 835MHz/Area Scan (9x14x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.594 W/kg
System Check Head 835MHz/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 26.79 V/m; Power Drift = -0.10 dB
Peak SAR (extrapolated) = 0.879 W/kg
SAR(1 g) = 0.579 W/kg; SAR(10 g) = 0.373 W/kg
Smallest distance from peaks to all points 3 dB below = 17.6 mm
Ratio of SAR at M2 to SAR at M1 = 65.8%
Maximum value of SAR (measured) = 0.681 W/kg

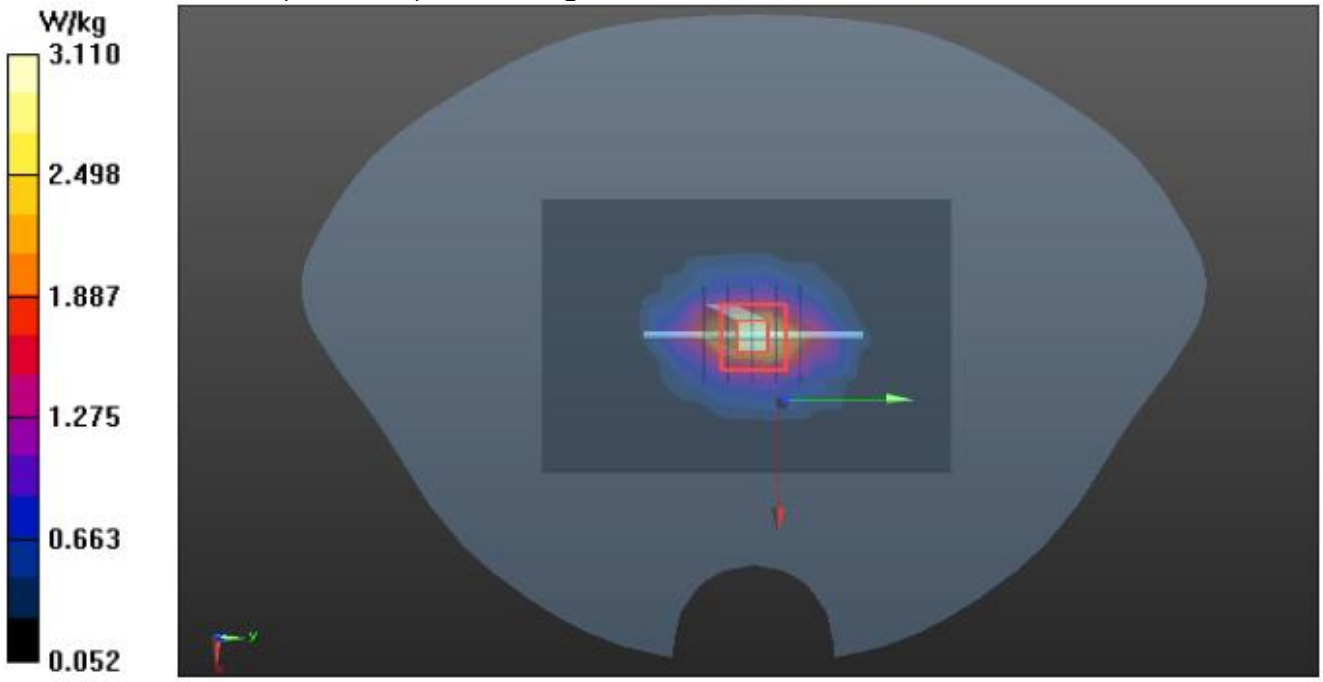


Test Laboratory: AGC Lab **Date: Jun. 20, 2025**
System Check Head 1750MHz
DUT: Dipole 1800 MHz; Type: SID 1800

Communication System: CW; Communication System Band: D1700 (1750.0 MHz); Duty Cycle: 1:1;
Frequency: 1750 MHz; Medium parameters used: f = 1750 MHz; σ=1.37 mho/m; ε_r =39.23; ρ= 1000 kg/m^3 ;
Phantom section: Flat Section; Input Power=18dBm

DASY Configuration:
• Probe: EX3DV4 – SN:3953; ConvF(8.61, 8.61, 8.61); Calibrated: 2024-09-05;
• Sensor-Surface: 1.4mm (Mechanical Surface Detection), z = 1.0, 31.0
• Electronics: DAE4 SN1398; Calibrated: 2025-05-09
• Phantom: SAM (20deg probe tilt) with CRP v5.0; Type: QD000P40CD;
• DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

System Check Head 1800 MHz/Area Scan (7x10x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 2.99 W/kg
System Check Head 1800 MHz/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 45.30 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 4.57 W/kg
SAR(1 g) = 2.46 W/kg; SAR(10 g) = 1.29 W/kg
Smallest distance from peaks to all points 3 dB below = 11.2 mm
Ratio of SAR at M2 to SAR at M1 = 54.1%
Maximum value of SAR (measured) = 3.11 W/kg

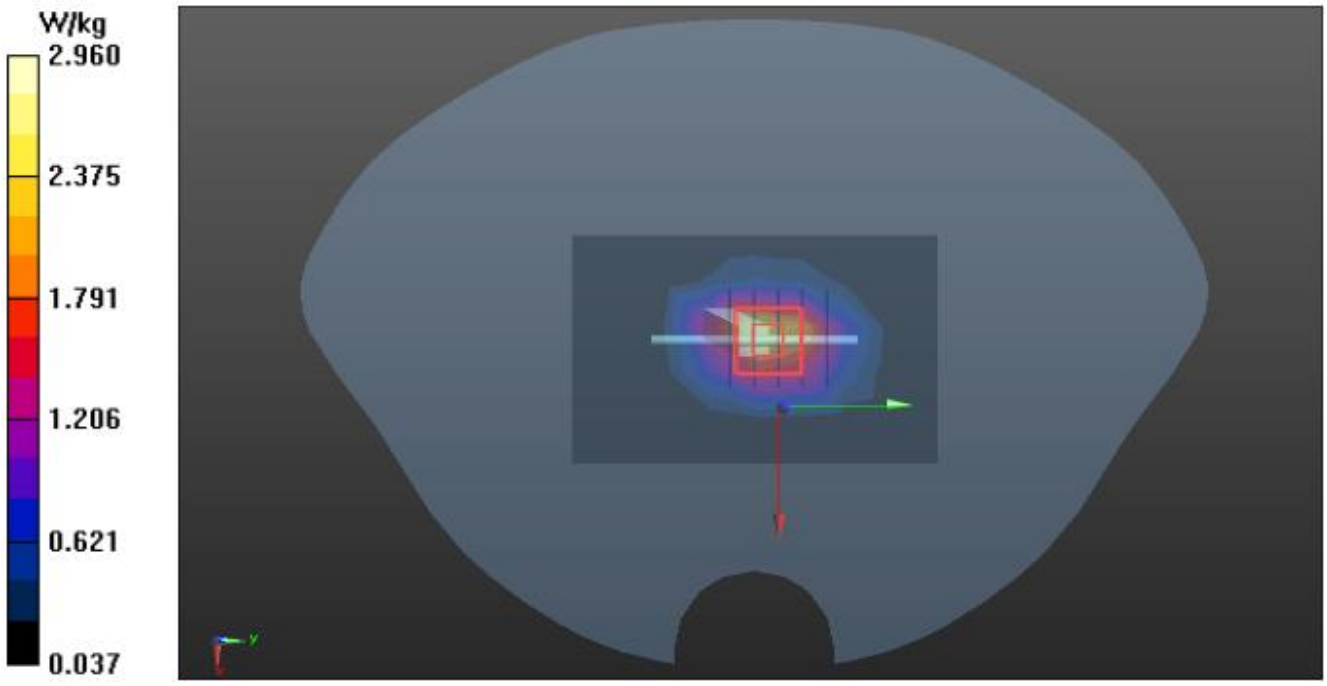


Test Laboratory: AGC Lab **Date: Jun. 19, 2025**
System Check Head 1900MHz
DUT: Dipole 1900 MHz; Type: SID 1900

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 =38.64; ρ= 1000 kg/m³ ;
Phantom section: Flat Section; Input Power=18dBm

DASY Configuration:
• Probe: EX3DV4 – SN:3953; ConvF(8.31, 8.31, 8.31); Calibrated: 2024-09-05;
• Sensor-Surface: 1.4mm (Mechanical Surface Detection), z = 1.0, 31.0
• Electronics: DAE4 SN1398; Calibrated: 2025-05-09
• Phantom: SAM (20deg probe tilt) with CRP v5.0; Type: QD000P40CD;
• DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

System Check Head 1900MHz/Area Scan (6x9x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 2.55 W/kg
System Check Head 1900MHz/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 45.38 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 4.33 W/kg
SAR(1 g) = 2.36 W/kg; SAR(10 g) = 1.21 W/kg
Smallest distance from peaks to all points 3 dB below = 11.2 mm
Ratio of SAR at M2 to SAR at M1 = 54%
Maximum value of SAR (measured) = 2.96 W/kg



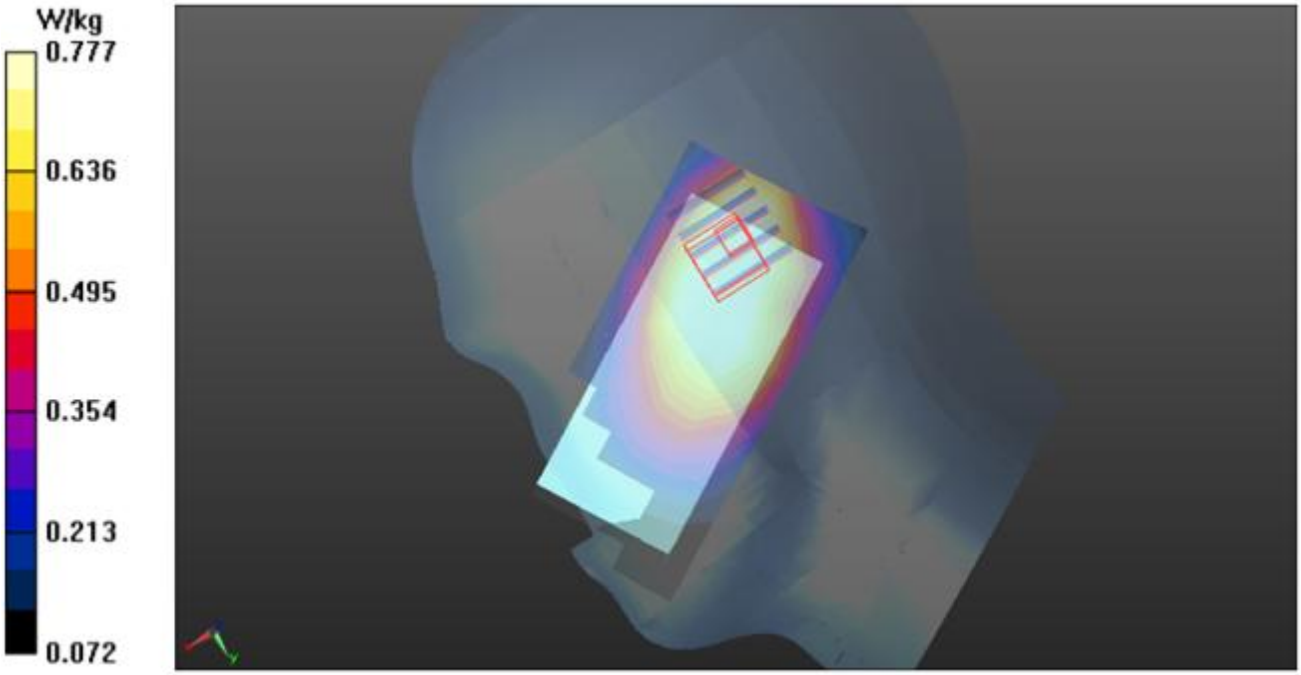
APPENDIX B. SAR MEASUREMENT DATA

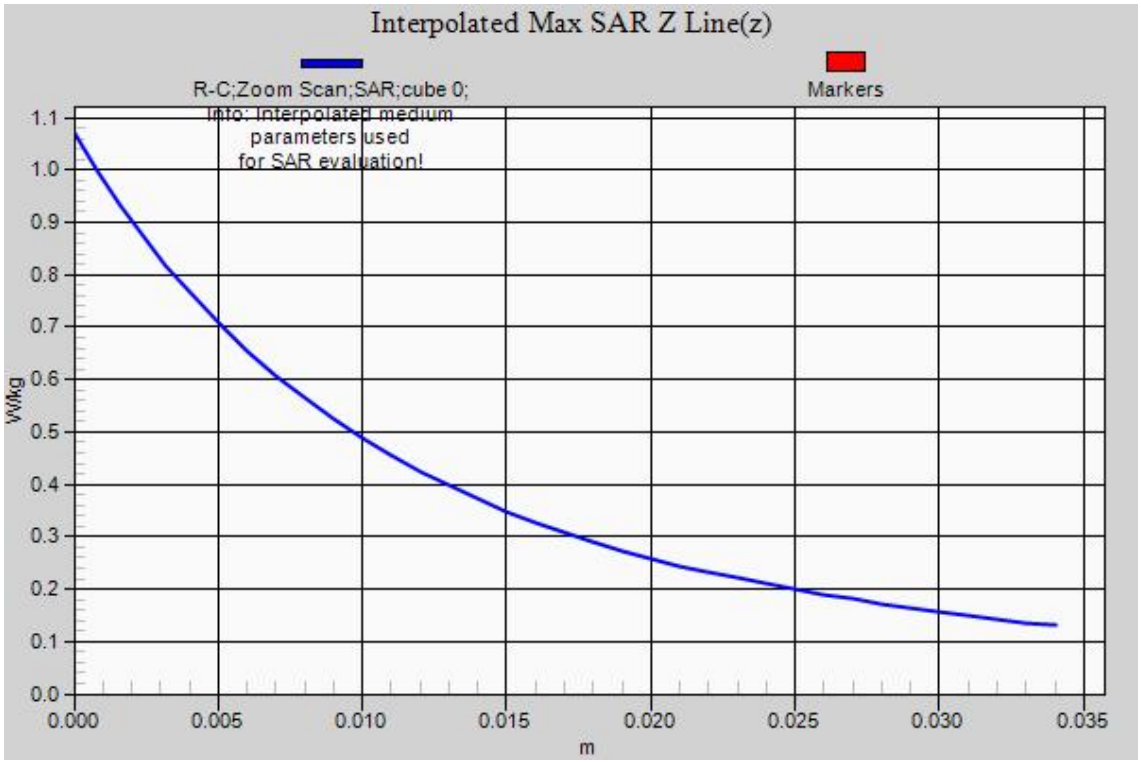
Test Laboratory: AGC Lab **Date: Jul. 18, 2025**
GSM 850 Mid-Touch-Right <SIM 1>
DUT: IP/POC Two Way Radio; Type: E8068

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 =40.68; ρ= 1000 kg/m³ ; Phantom section: Right Section

DASY Configuration:
• Probe: EX3DV4 – SN:3953; ConvF(9.95, 9.95, 9.95); Calibrated: 2024-09-05;
• Sensor-Surface: 3mm (Mechanical Surface Detection), z = 1.0, 31.0
• Electronics: DAE4 SN1398; Calibrated: 2025-05-09
• Phantom: SAM (20deg probe tilt) with CRP v5.0; Type: QD000P40CD;
• DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

HEAD/R-C/Area Scan (7x14x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 0.847 W/kg
HEAD/R-C/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 30.69 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 1.07 W/kg
SAR(1 g) = 0.724 W/kg; SAR(10 g) = 0.517 W/kg
Smallest distance from peaks to all points 3 dB below = 21.1 mm
Ratio of SAR at M2 to SAR at M1 = 68.8%
Maximum value of SAR (measured) = 0.777 W/kg



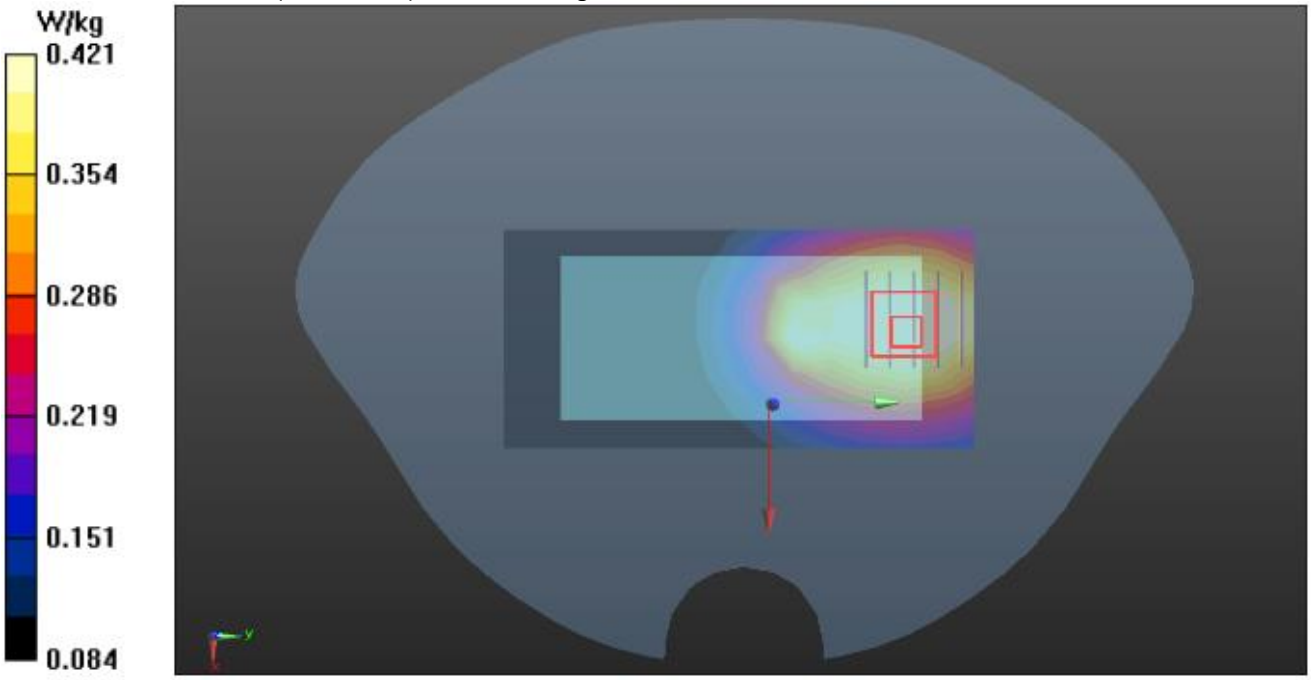


Test Laboratory: AGC Lab **Date: Jul. 18, 2025**
GSM 850 Mid- Body back touch with accessories(MS)<SIM 1>
DUT: IP/POC Two Way Radio; Type: E8068

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 =40.68; ρ= 1000 kg/m³ ; Phantom section: Flat Section

DASY Configuration:
• Probe: EX3DV4 – SN:3953; ConvF(9.95, 9.95, 9.95); Calibrated: 2024-09-05;
• Sensor-Surface: 3mm (Mechanical Surface Detection), z = 1.0, 31.0
• Electronics: DAE4 SN1398; Calibrated: 2025-05-09
• Phantom: SAM (20deg probe tilt) with CRP v5.0; Type: QDOVA002AA;
• DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

BODY/BACK+CLIP -GSM/Area Scan (7x14x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 0.445 W/kg
BODY/BACK+CLIP -GSM/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 14.82 V/m; Power Drift = 0.08 dB
Peak SAR (extrapolated) = 0.495 W/kg
SAR(1 g) = 0.402 W/kg; SAR(10 g) = 0.313 W/kg
Smallest distance from peaks to all points 3 dB below: Larger than measurement grid (> 16 mm)
Ratio of SAR at M2 to SAR at M1 = 80.8%
Maximum value of SAR (measured) = 0.421 W/kg

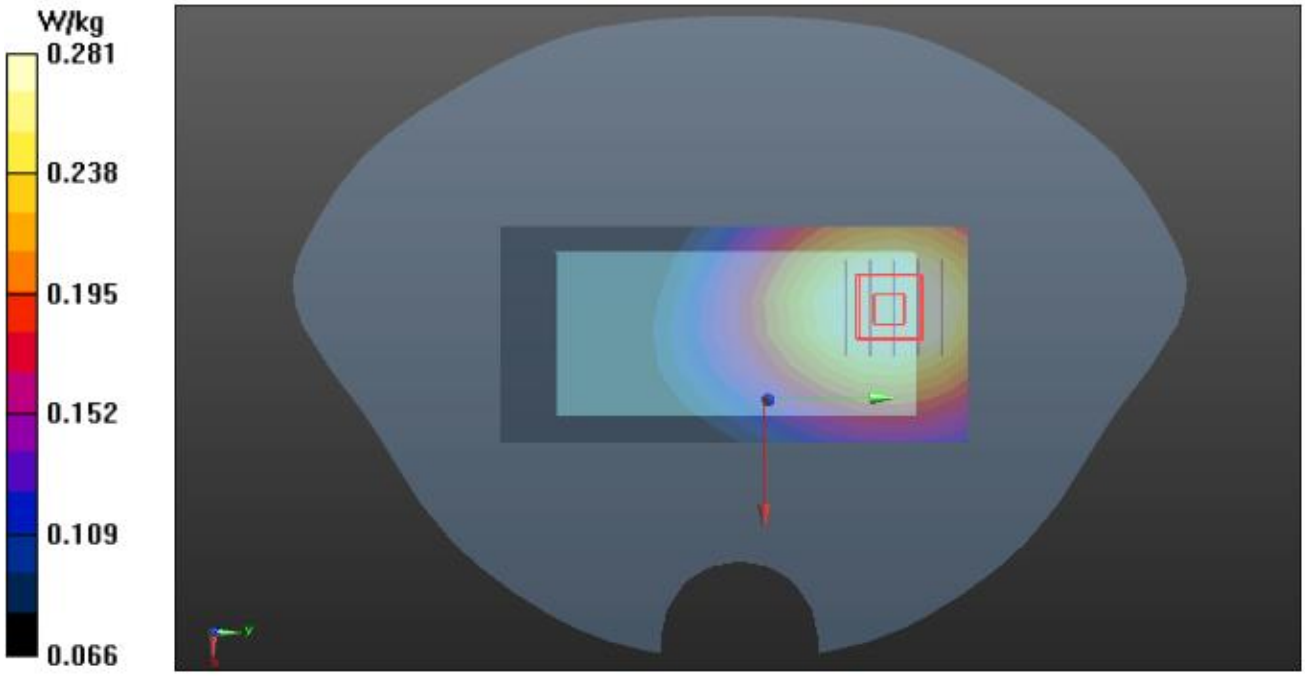


Test Laboratory: AGC Lab **Date: Jul. 18, 2025**
GSM 850 Mid- Body- Face up(MS)<SIM 1>
DUT: IP/POC Two Way Radio; Type: E8068

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 =40.68; ρ= 1000 kg/m³ ; Phantom section: Flat Section

DASY Configuration:
• Probe: EX3DV4 – SN:3953; ConvF(9.95, 9.95, 9.95); Calibrated: 2024-09-05;
• Sensor-Surface: 3mm (Mechanical Surface Detection), z = 1.0, 31.0
• Electronics: DAE4 SN1398; Calibrated: 2025-05-09
• Phantom: SAM (20deg probe tilt) with CRP v5.0; Type: QDOVA002AA;
• DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

HOLD TOFACE/FACE UP-25MM GSM/Area Scan (7x14x1): Measurement grid: dx=12mm, dy=12mm
.Maximum value of SAR (measured) = 0.303 W/kg
HOLD TOFACE/FACE UP-25MM GSM/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 13.69 V/m; Power Drift = 0.19 dB
Peak SAR (extrapolated) = 0.320 W/kg
SAR(1 g) = 0.270 W/kg; SAR(10 g) = 0.217 W/kg
Smallest distance from peaks to all points 3 dB below: Larger than measurement grid (> 16 mm)
Ratio of SAR at M2 to SAR at M1 = 83.1%
Maximum value of SAR (measured) = 0.281 W/kg

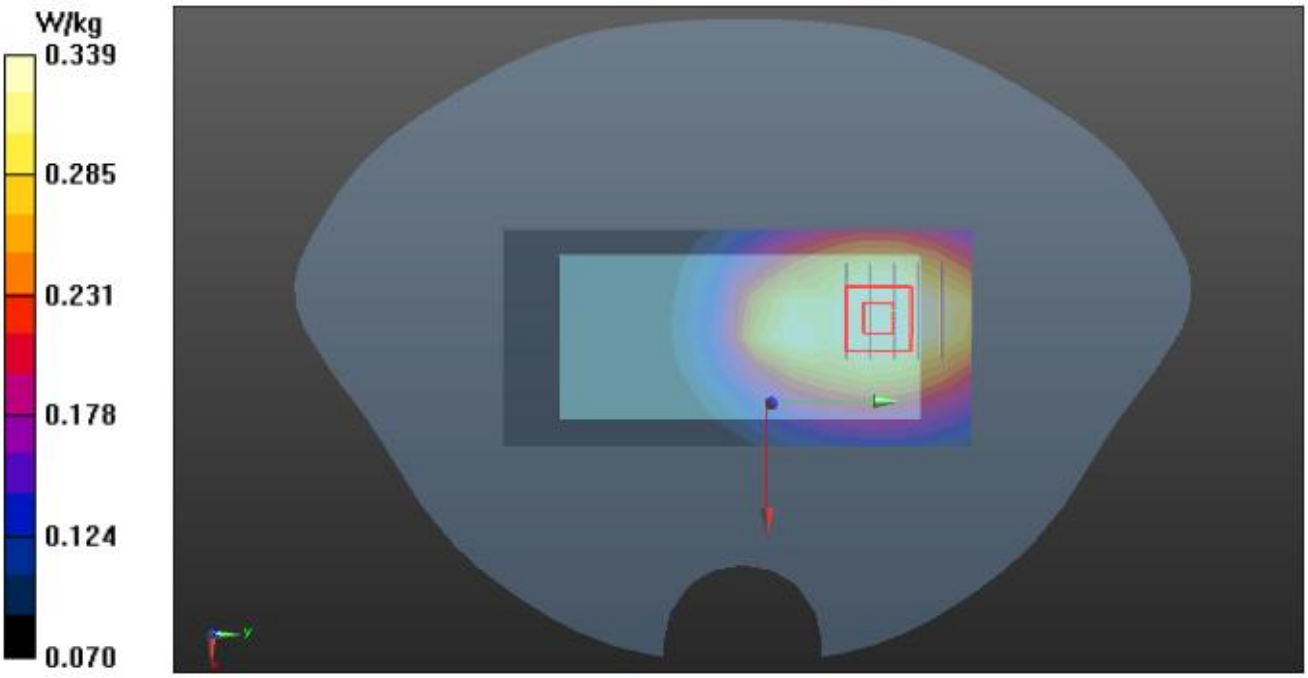


Test Laboratory: AGC Lab **Date: Jul. 18, 2025**
GPRS 850 Mid- Body back touch with accessories (4up) < SIM 1>
DUT: IP/POC Two Way Radio; Type: E8068

Communication System: GPRS-4 Slot; Communication System Band: GSM 850; Duty Cycle: 1:2.1; Frequency: 836.6 MHz; Medium parameters used: f = 835 MHz; σ= 0.92 mho/m; εr = 40.68; ρ= 1000 kg/m³ ; Phantom section: Flat Section

DASY Configuration:
• Probe: EX3DV4 – SN:3953; ConvF(9.95, 9.95, 9.95); Calibrated: 2024-09-05;
• Sensor-Surface: 3mm (Mechanical Surface Detection), z = 1.0, 31.0
• Electronics: DAE4 SN1398; Calibrated: 2025-05-09
• Phantom: SAM (20deg probe tilt) with CRP v5.0; Type: QDOVA002AA;
• DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

BODY/BACK+CLIP/Area Scan (7x14x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 0.359 W/kg
BODY/BACK+CLIP/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 16.49 V/m; Power Drift = -0.13 dB
Peak SAR (extrapolated) = 0.398 W/kg
SAR(1 g) = 0.328 W/kg; SAR(10 g) = 0.258 W/kg
Smallest distance from peaks to all points 3 dB below: Larger than measurement grid (> 16 mm)
Ratio of SAR at M2 to SAR at M1 = 81.6%
Maximum value of SAR (measured) = 0.339 W/kg

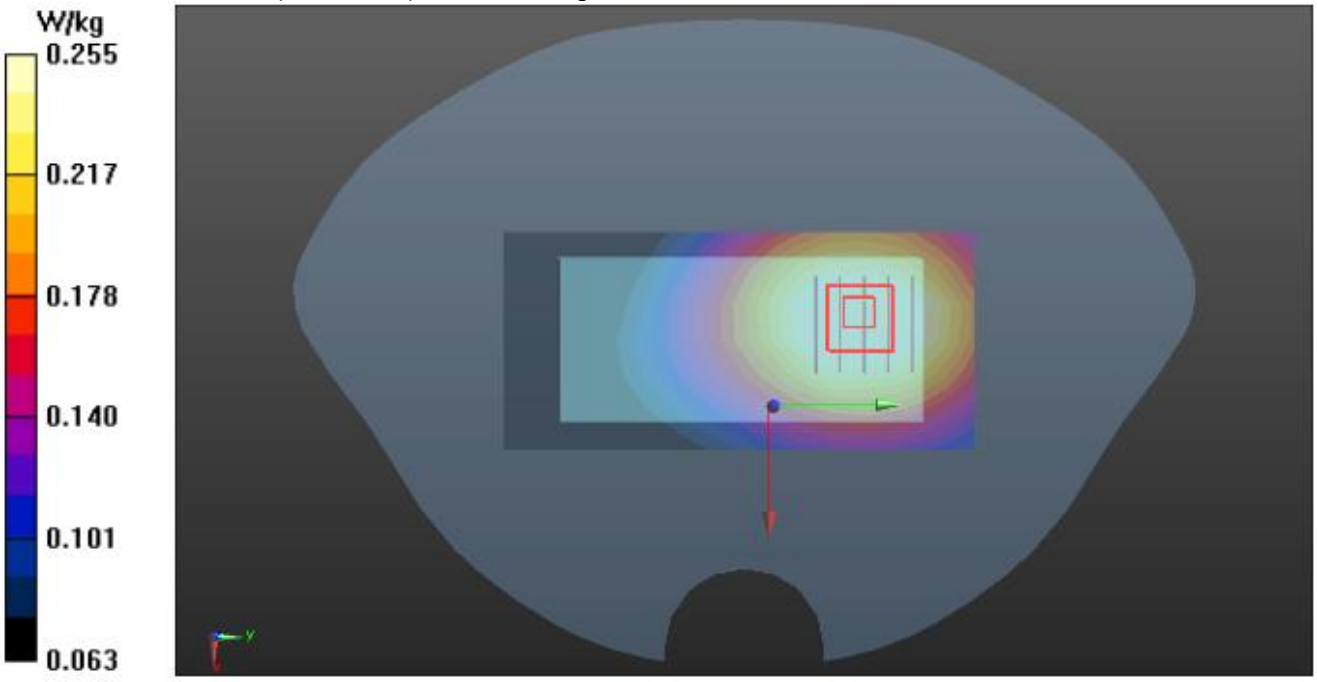


Test Laboratory: AGC Lab **Date: Jul. 18, 2025**
GPRS 850 Mid- Body- Face up (4up) < SIM 1>
DUT: IP/POC Two Way Radio; Type: E8068

Communication System: GPRS-4 Slot; Communication System Band: GSM 850; Duty Cycle: 1:2.1; Frequency: 836.6 MHz; Medium parameters used: f = 835 MHz; σ= 0.92 mho/m; εr = 40.68; ρ= 1000 kg/m³ ; Phantom section: Flat Section

DASY Configuration:
• Probe: EX3DV4 – SN:3953; ConvF(9.95, 9.95, 9.95); Calibrated: 2024-09-05;
• Sensor-Surface: 3mm (Mechanical Surface Detection), z = 1.0, 31.0
• Electronics: DAE4 SN1398; Calibrated: 2025-05-09
• Phantom: SAM (20deg probe tilt) with CRP v5.0; Type: QDOVA002AA;
• DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

HOLD TOFACE/FACE UP-25MM/Area Scan (7x14x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 0.276 W/kg
HOLD TOFACE/FACE UP-25MM/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 14.71 V/m; Power Drift = 0.13 dB
Peak SAR (extrapolated) = 0.291 W/kg
SAR(1 g) = 0.247 W/kg; SAR(10 g) = 0.201 W/kg
Smallest distance from peaks to all points 3 dB below: Larger than measurement grid (> 16 mm)
Ratio of SAR at M2 to SAR at M1 = 83.6%
Maximum value of SAR (measured) = 0.255 W/kg

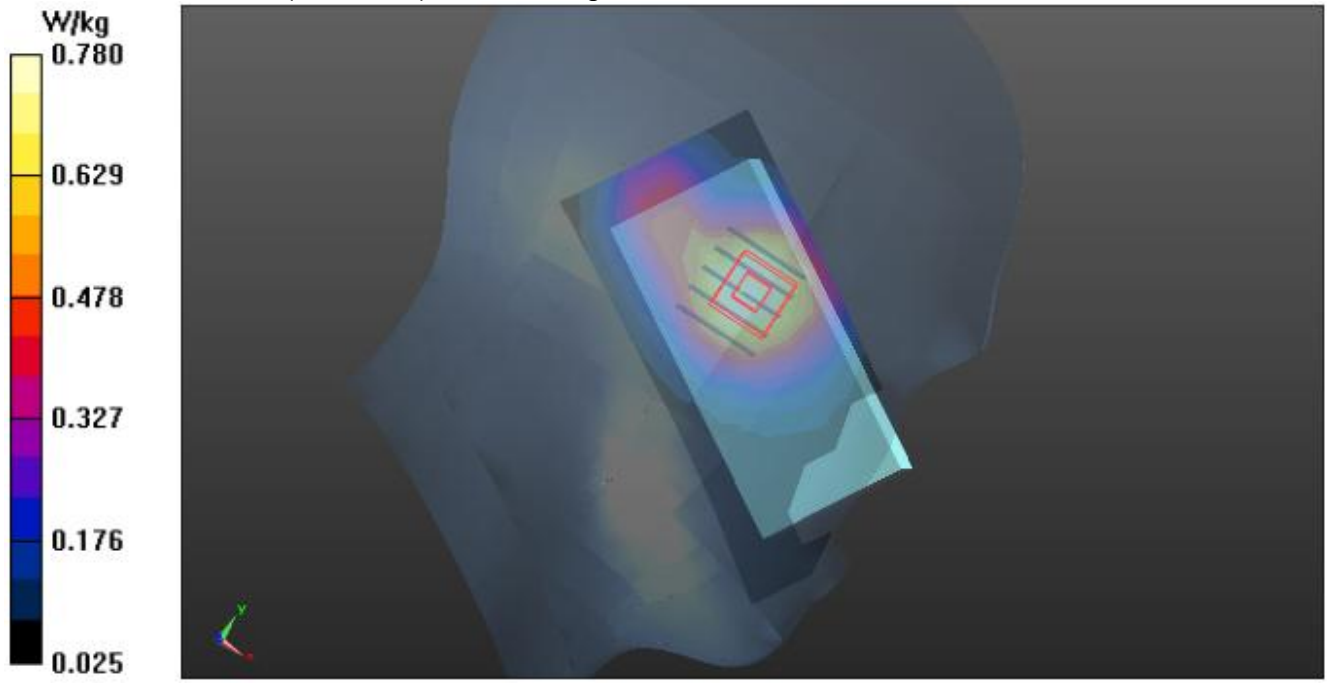


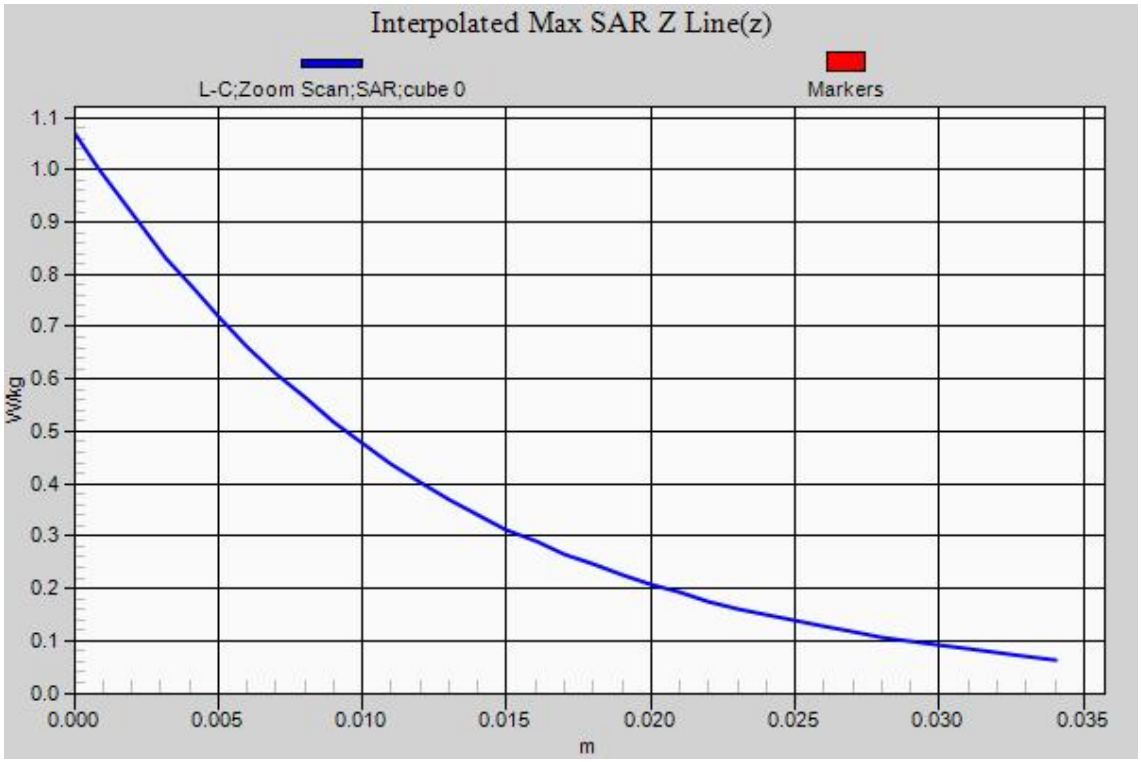
Test Laboratory: AGC Lab **Date: Jun. 19, 2025**
PCS 1900 Mid-Touch-Left <SIM 1>
DUT: IP/POC Two Way Radio; Type: E8068

Communication System: Generic GSM; Communication System Band: PCS 1900; Duty Cycle: 1:8.3; Frequency: 1880 MHz; Medium parameters used: f = 1900 MHz; σ= 1.35 mho/m; εr =39.86; ρ= 1000 kg/m³ ; Phantom section: Left Section

DASY Configuration:
• Probe: EX3DV4 – SN:3953; ConvF(8.31, 8.31, 8.31); Calibrated: 2024-09-05;
• Sensor-Surface: 3mm (Mechanical Surface Detection), z = 1.0, 31.0
• Electronics: DAE4 SN1398; Calibrated: 2025-05-09
• Phantom: SAM (20deg probe tilt) with CRP v5.0; Type: QD000P40CD;
• DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

HEAD-L/L-C/Area Scan (7x14x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 0.856 W/kg
HEAD-L/L-C/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 16.80 V/m; Power Drift = 0.13 dB
Peak SAR (extrapolated) = 1.07 W/kg
SAR(1 g) = 0.730 W/kg; SAR(10 g) = 0.466 W/kg
Smallest distance from peaks to all points 3 dB below = 20.5 mm
Ratio of SAR at M2 to SAR at M1 = 66.4%
Maximum value of SAR (measured) = 0.780 W/kg



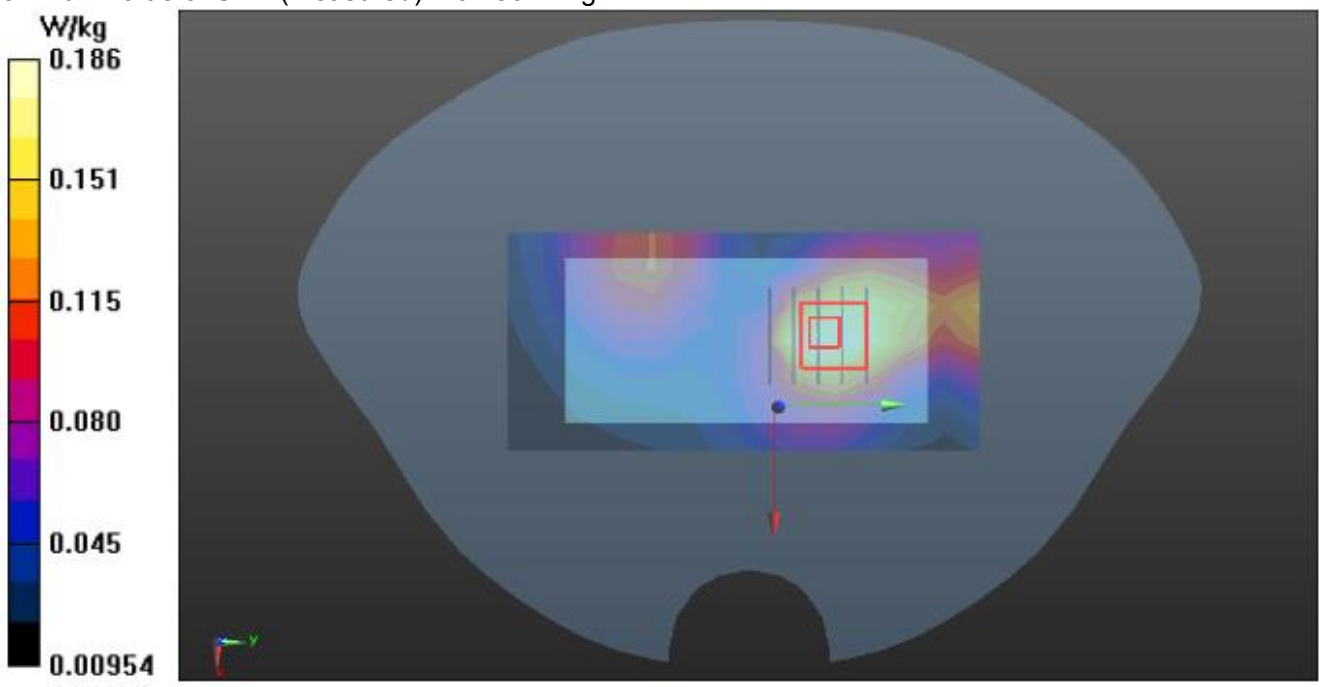


Test Laboratory: AGC Lab **Date: Jun. 19, 2025**
PCS 1900 Mid-Body back touch with accessories(MS)<SIM 1>
DUT: IP/POC Two Way Radio; Type: E8068

Communication System: Generic GSM; Communication System Band: PCS 1900; Duty Cycle: 1:8.3; Frequency: 1880 MHz; Medium parameters used: f = 1900 MHz; σ= 1.35 mho/m; εr =39.86; ρ= 1000 kg/m³ ; Phantom section: Flat Section

DASY Configuration:
• Probe: EX3DV4 – SN:3953; ConvF(8.31, 8.31, 8.31); Calibrated: 2024-09-05;
• Sensor-Surface: 3mm (Mechanical Surface Detection), z = 1.0, 31.0
• Electronics: DAE4 SN1398; Calibrated: 2025-05-09
• Phantom: SAM (20deg probe tilt) with CRP v5.0; Type: QD000P40CD;
• DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

BODY/BACK+CLIP/Area Scan (7x14x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 0.192 W/kg
BODY/BACK+CLIP/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.476 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 0.271 W/kg
SAR(1 g) = 0.169 W/kg; SAR(10 g) = 0.108 W/kg
Smallest distance from peaks to all points 3 dB below = 14.8 mm
Ratio of SAR at M2 to SAR at M1 = 62.3%
Maximum value of SAR (measured) = 0.186 W/kg

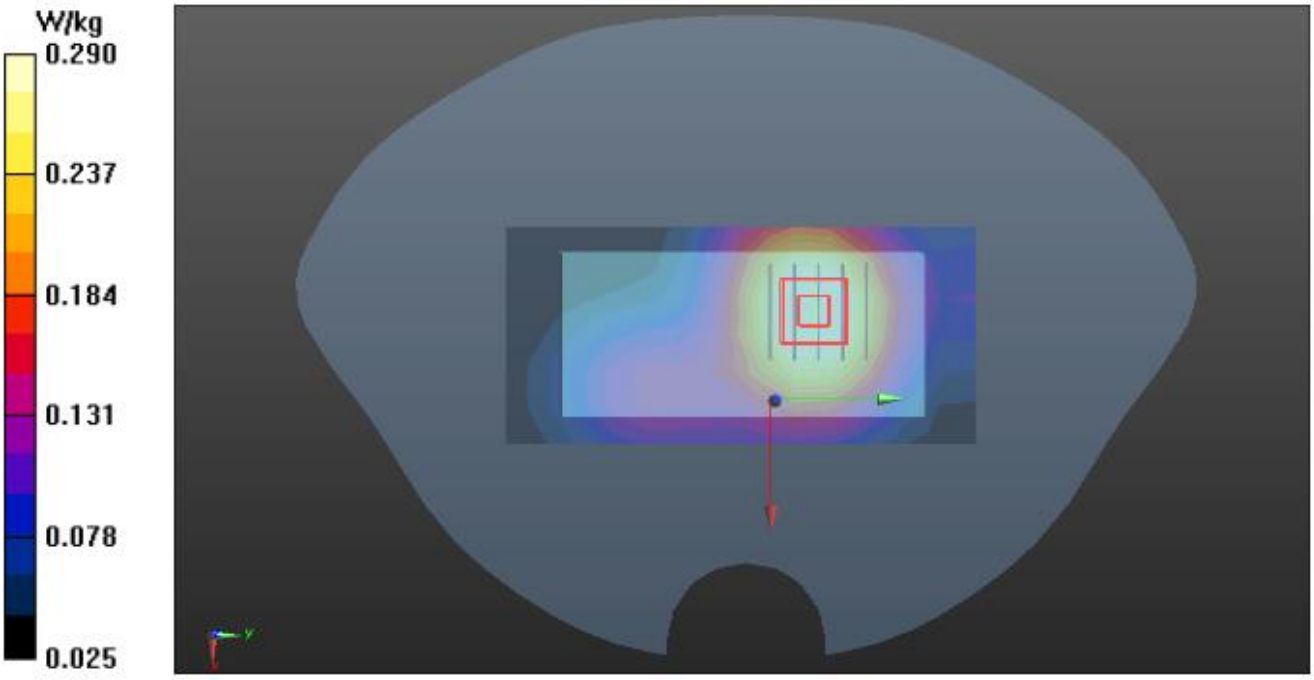


Test Laboratory: AGC Lab **Date: Jun. 19, 2025**
PCS 1900 Mid-Body -Face up(MS)<SIM 1>
DUT: IP/POC Two Way Radio; Type: E8068

Communication System: Generic GSM; Communication System Band: PCS 1900; Duty Cycle: 1:8.3; Frequency: 1880 MHz; Medium parameters used: f = 1900 MHz; σ= 1.35 mho/m; εr =39.86; ρ= 1000 kg/m³ ; Phantom section: Flat Section

DASY Configuration:
• Probe: EX3DV4 – SN:3953; ConvF(8.31, 8.31, 8.31); Calibrated: 2024-09-05;
• Sensor-Surface: 3mm (Mechanical Surface Detection), z = 1.0, 31.0
• Electronics: DAE4 SN1398; Calibrated: 2025-05-09
• Phantom: SAM (20deg probe tilt) with CRP v5.0; Type: QD000P40CD;
• DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

HOLD TOFACE/FACE UP-25MM 2/Area Scan (7x14x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 0.316 W/kg
HOLD TOFACE/FACE UP-25MM 2/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 11.55 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 0.389 W/kg
SAR(1 g) = 0.271 W/kg; SAR(10 g) = 0.182 W/kg
Smallest distance from peaks to all points 3 dB below: Larger than measurement grid (> 16 mm)
Ratio of SAR at M2 to SAR at M1 = 68.5%
Maximum value of SAR (measured) = 0.290 W/kg

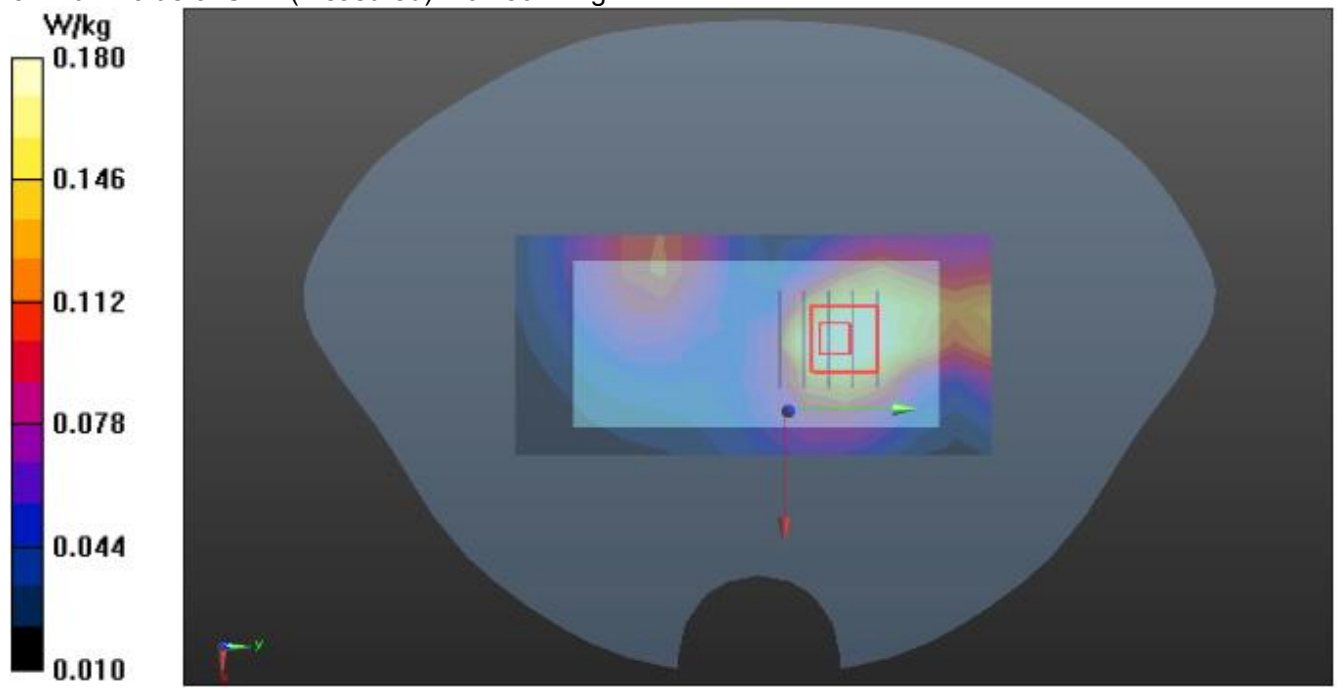


Test Laboratory: AGC Lab **Date: Jun. 19, 2025**
GPRS 1900 Mid-Body back touch with accessories (4up) < SIM 1>
DUT: IP/POC Two Way Radio; Type: E8068

Communication System: GPRS-4 Slot; Communication System Band: PCS 1900; Duty Cycle: 1:2.1; Frequency: 1880 MHz; Medium parameters used: f = 1900 MHz; σ= 1.35 mho/m; εr =39.86; ρ= 1000 kg/m³ ; Phantom section: Flat Section

DASY Configuration:
• Probe: EX3DV4 – SN:3953; ConvF(8.31, 8.31, 8.31); Calibrated: 2024-09-05;
• Sensor-Surface: 3mm (Mechanical Surface Detection), z = 1.0, 31.0
• Electronics: DAE4 SN1398; Calibrated: 2025-05-09
• Phantom: SAM (20deg probe tilt) with CRP v5.0; Type: QD000P40CD;
• DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

BODY/BACK+CLIP/Area Scan (7x14x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 0.199 W/kg
BODY/BACK+CLIP/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.380 V/m; Power Drift = -0.09 dB
Peak SAR (extrapolated) = 0.258 W/kg
SAR(1 g) = 0.163 W/kg; SAR(10 g) = 0.105 W/kg
Smallest distance from peaks to all points 3 dB below = 15.1 mm
Ratio of SAR at M2 to SAR at M1 = 63.1%
Maximum value of SAR (measured) = 0.180 W/kg

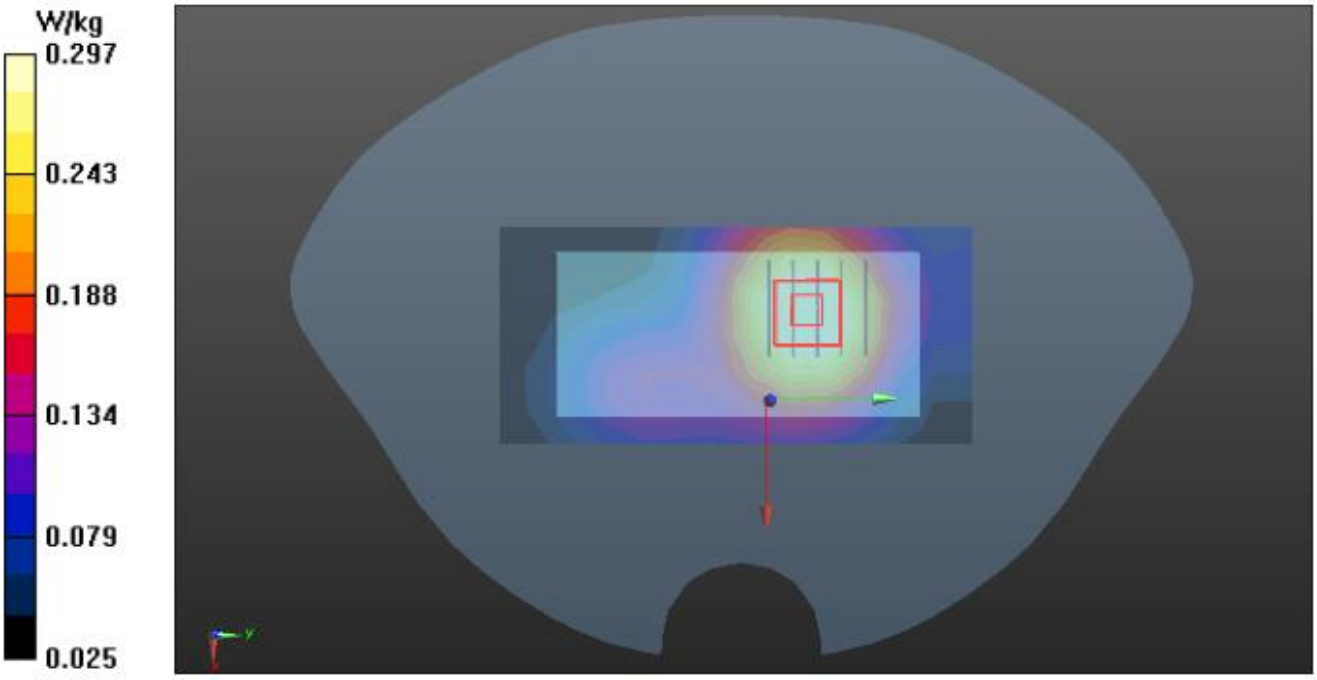


Test Laboratory: AGC Lab **Date: Jun. 19, 2025**
GPRS 1900 Mid-Body -Face up (4up) < SIM 1>
DUT: IP/POC Two Way Radio; Type: E8068

Communication System: GPRS-4 Slot; Communication System Band: PCS 1900; Duty Cycle: 1:2.1; Frequency: 1880 MHz; Medium parameters used: f = 1900 MHz; σ= 1.35 mho/m; εr =39.86; ρ= 1000 kg/m³ ; Phantom section: Flat Section

DASY Configuration:
• Probe: EX3DV4 – SN:3953; ConvF(8.31, 8.31, 8.31); Calibrated: 2024-09-05;
• Sensor-Surface: 3mm (Mechanical Surface Detection), z = 1.0, 31.0
• Electronics: DAE4 SN1398; Calibrated: 2025-05-09
• Phantom: SAM (20deg probe tilt) with CRP v5.0; Type: QD000P40CD;
• DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

HOLD TOFACE/FACE UP-25MM/Area Scan (7x14x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 0.324 W/kg
HOLD TOFACE/FACE UP-25MM/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 11.61 V/m; Power Drift = 0.10 dB
Peak SAR (extrapolated) = 0.396 W/kg
SAR(1 g) = 0.275 W/kg; SAR(10 g) = 0.183 W/kg
Smallest distance from peaks to all points 3 dB below: Larger than measurement grid (> 16 mm)
Ratio of SAR at M2 to SAR at M1 = 68.8%
Maximum value of SAR (measured) = 0.297 W/kg

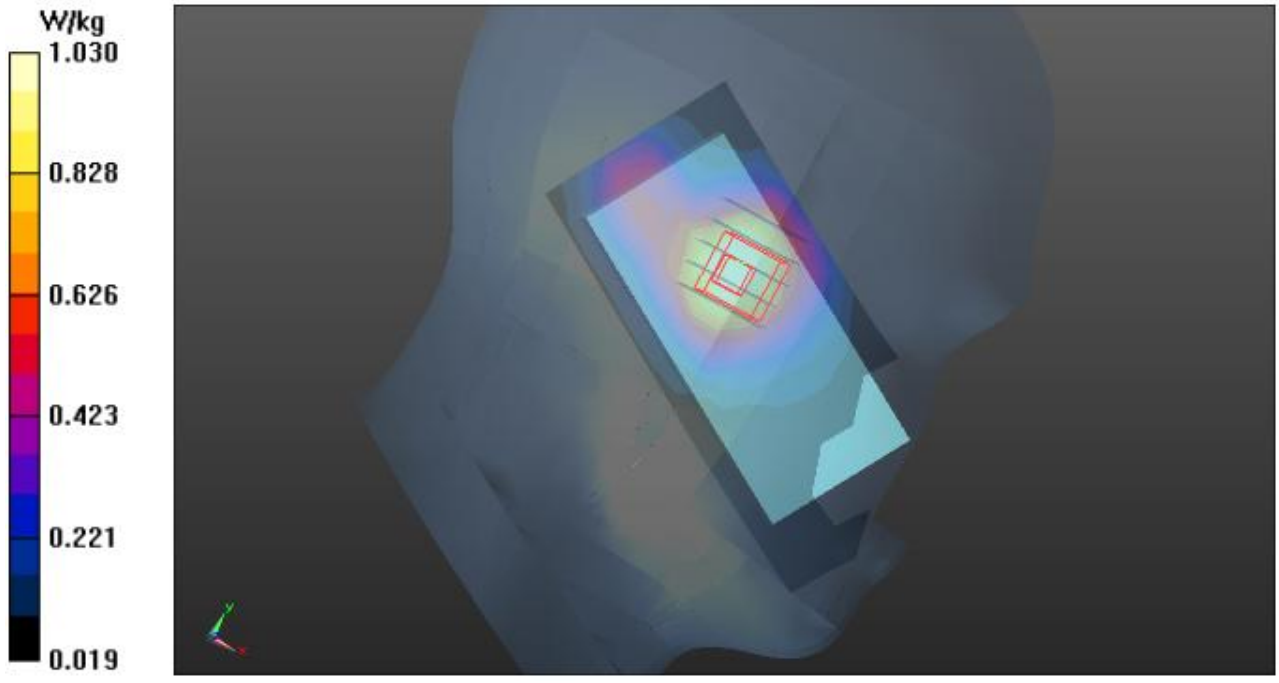


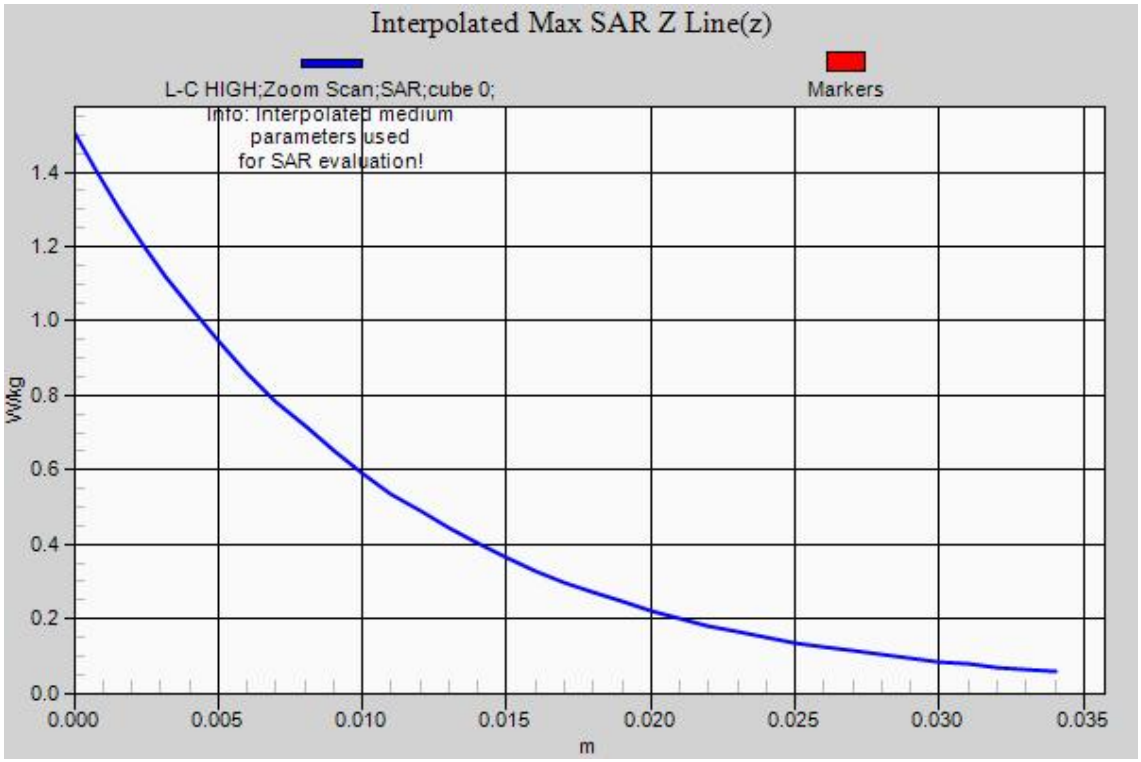
Test Laboratory: AGC Lab **Date: Jun. 19, 2025**
WCDMA Band II High-Touch-Left
DUT: IP/POC Two Way Radio; Type: E8068

Communication System: UMTS; Communication System Band: Band II UTRA/FDD ;Duty Cycle:1:1;
Frequency: 1907.6 MHz; Medium parameters used: f = 1900 MHz; σ= 1.40 mho/m; εr =38.31; ρ= 1000 kg/m³ ;
Phantom section: Left Section

DASY Configuration:
• Probe: EX3DV4 – SN:3953; ConvF(8.31, 8.31, 8.31); Calibrated: 2024-09-05;
• Sensor-Surface: 3mm (Mechanical Surface Detection), z = 1.0, 31.0
• Electronics: DAE4 SN1398; Calibrated: 2025-05-09
• Phantom: SAM (20deg probe tilt) with CRP v5.0; Type: QD000P40CD;
• DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

HEAD-L/L-C HIGH/Area Scan (7x14x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 1.06 W/kg
HEAD-L/L-C HIGH/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 17.02 V/m; Power Drift = 0.10 dB
Peak SAR (extrapolated) = 1.50 W/kg
SAR(1 g) = 0.954 W/kg; SAR(10 g) = 0.571 W/kg
Smallest distance from peaks to all points 3 dB below = 18.1 mm
Ratio of SAR at M2 to SAR at M1 = 62.4%
Maximum value of SAR (measured) = 1.03 W/kg



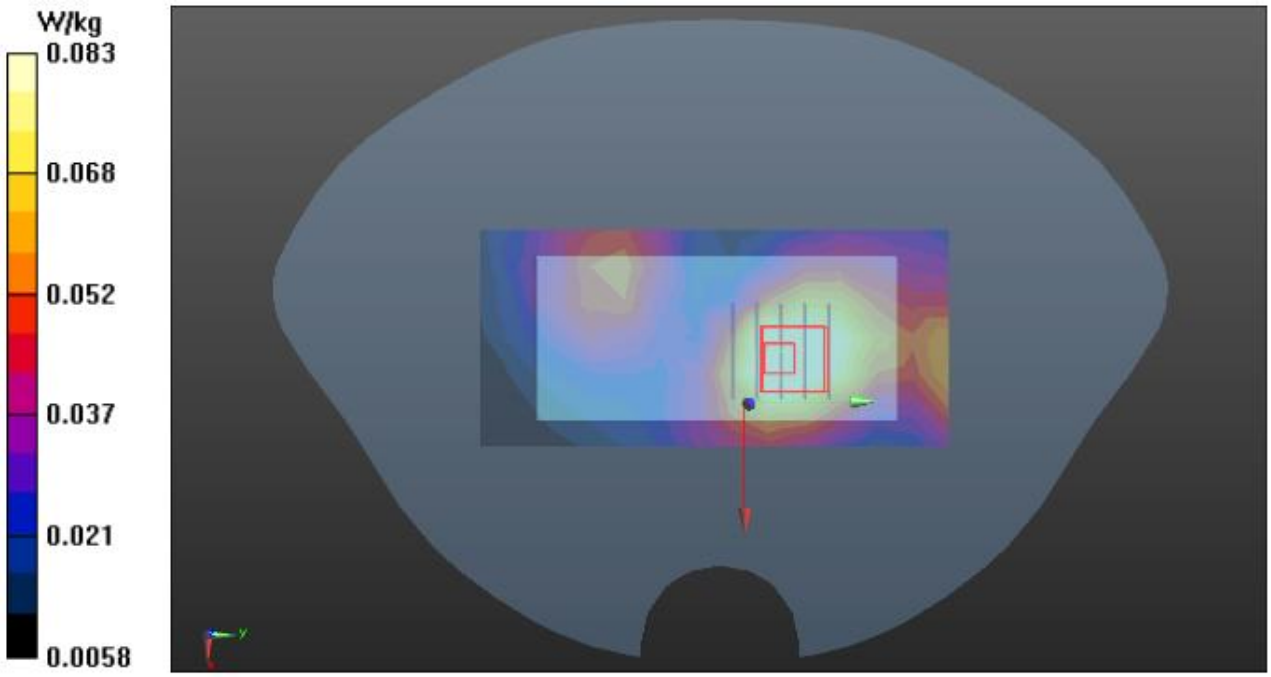


Test Laboratory: AGC Lab **Date: Jun. 19, 2025**
WCDMA Band II Mid - Body back touch with accessories
DUT: IP/POC Two Way Radio; Type: E8068

Communication System: UMTS; Communication System Band: Band II UTRA/FDD ;Duty Cycle:1:1; Frequency: 1880 MHz; Medium parameters used: f = 1900 MHz; σ=1.35 mho/m; εr =39.86; ρ= 1000 kg/m³ ;
Phantom section: Flat Section

DASY Configuration:
• Probe: EX3DV4 – SN:3953; ConvF(8.31, 8.31, 8.31); Calibrated: 2024-09-05;
• Sensor-Surface: 3mm (Mechanical Surface Detection), z = 1.0, 31.0
• Electronics: DAE4 SN1398; Calibrated: 2025-05-09
• Phantom: SAM (20deg probe tilt) with CRP v5.0; Type: QD000P40CD;
• DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

BODY/BACK+CLIP/Area Scan (7x14x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 0.0977 W/kg
BODY/BACK+CLIP/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 4.957 V/m; Power Drift = 0.09 dB
Peak SAR (extrapolated) = 0.123 W/kg
SAR(1 g) = 0.078 W/kg; SAR(10 g) = 0.051 W/kg
Smallest distance from peaks to all points 3 dB below: Larger than measurement grid (> 16 mm)
Ratio of SAR at M2 to SAR at M1 = 65.1%
Maximum value of SAR (measured) = 0.0831 W/kg

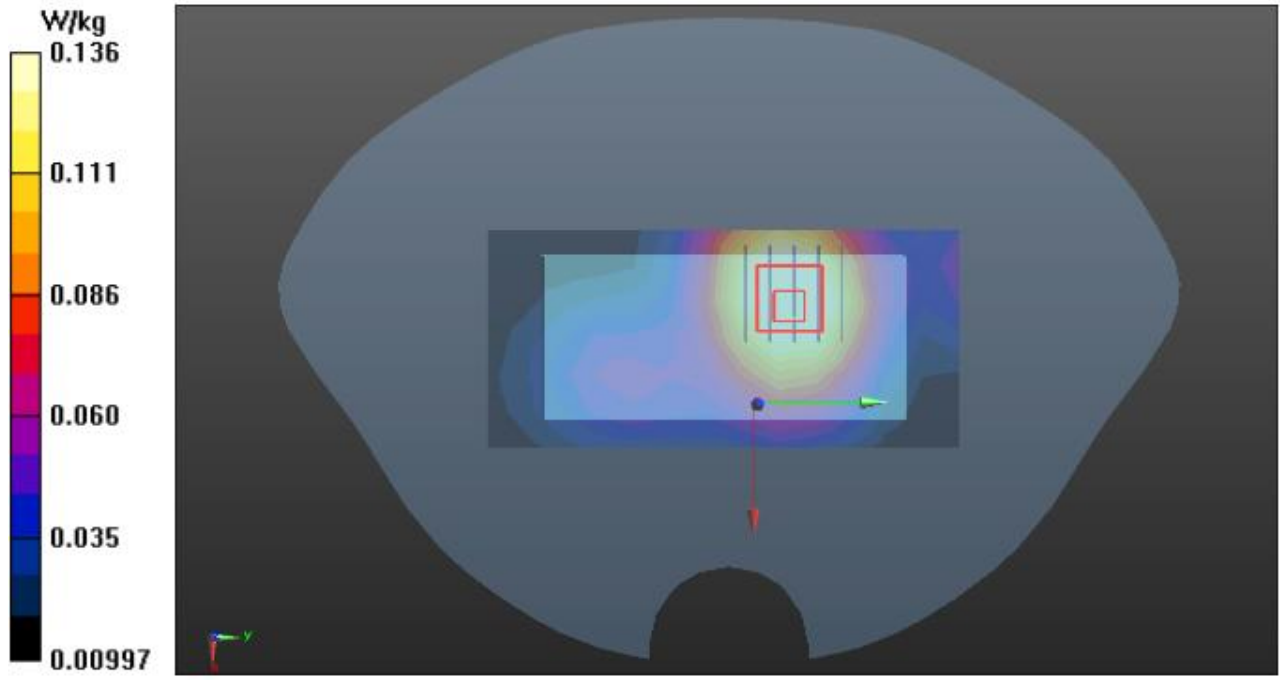


Test Laboratory: AGC Lab **Date: Jun. 19, 2025**
WCDMA Band II Mid- Face up
DUT: IP/POC Two Way Radio; Type: E8068

Communication System: UMTS; Communication System Band: Band II UTRA/FDD ;Duty Cycle:1:1;
Frequency: 1880 MHz; Medium parameters used: f = 1900 MHz; σ=1.35 mho/m; εr =39.86; ρ= 1000 kg/m³ ;
Phantom section: Flat Section

DASY Configuration:
• Probe: EX3DV4 – SN:3953; ConvF(8.31, 8.31, 8.31); Calibrated: 2024-09-05;
• Sensor-Surface: 3mm (Mechanical Surface Detection), z = 1.0, 31.0
• Electronics: DAE4 SN1398; Calibrated: 2025-05-09
• Phantom: SAM (20deg probe tilt) with CRP v5.0; Type: QD000P40CD;
• DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

HOLD TOFACE/FACE UP-25MM/Area Scan (7x14x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 0.159 W/kg
HOLD TOFACE/FACE UP-25MM/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.893 V/m; Power Drift = 0.13 dB
Peak SAR (extrapolated) = 0.187 W/kg
SAR(1 g) = 0.127 W/kg; SAR(10 g) = 0.085 W/kg
Smallest distance from peaks to all points 3 dB below: Larger than measurement grid (> 16 mm)
Ratio of SAR at M2 to SAR at M1 = 66.9%
Maximum value of SAR (measured) = 0.136 W/kg

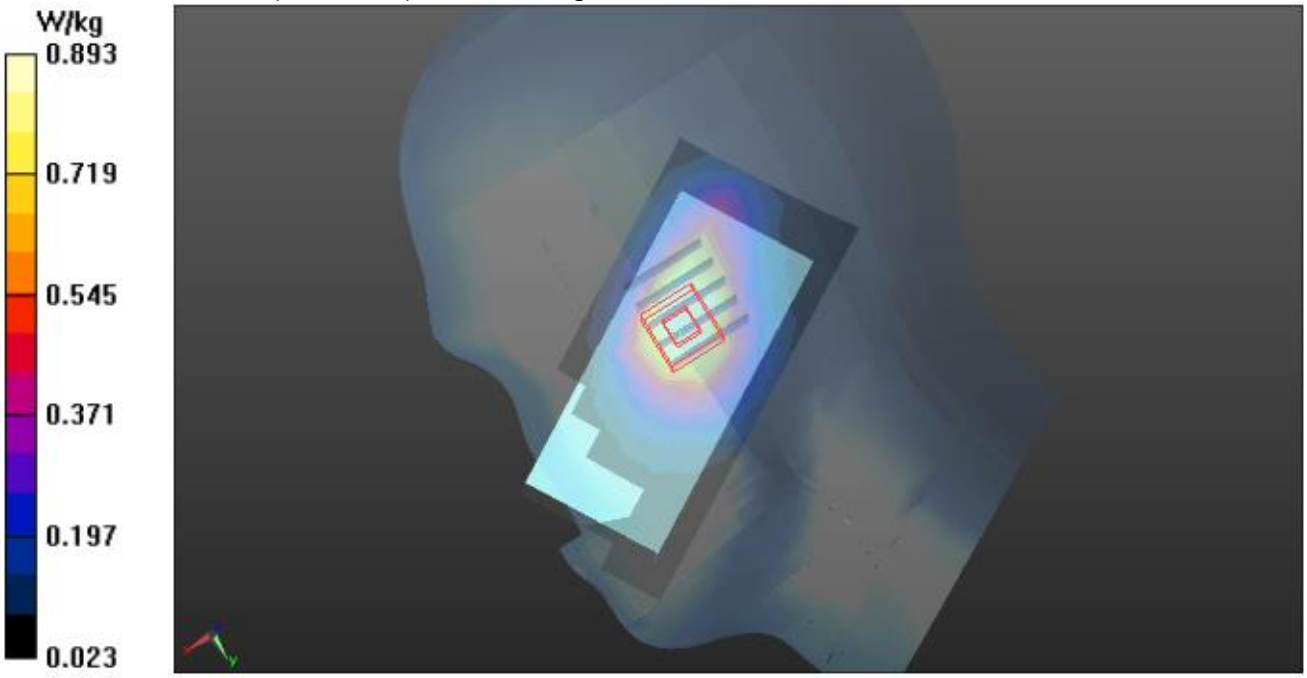


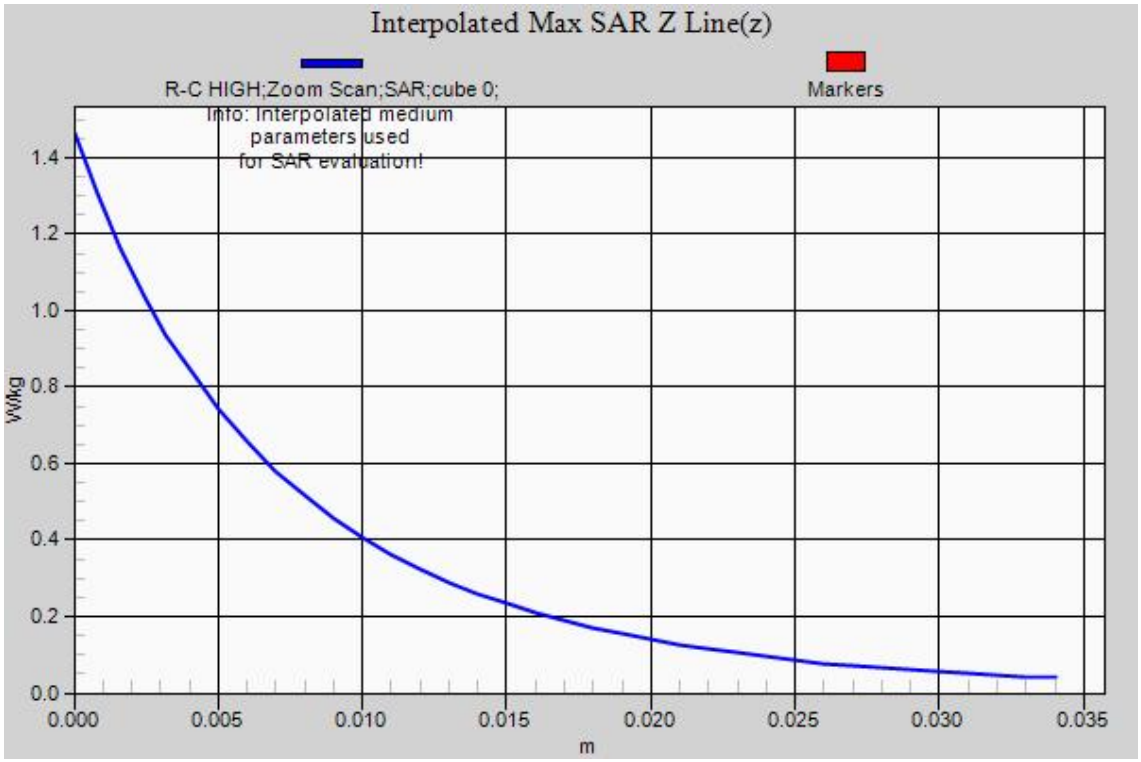
Test Laboratory: AGC Lab **Date: Jun. 20, 2025**
WCDMA Band IV High-Touch-Right
DUT: IP/POC Two Way Radio; Type: E8068

Communication System: UMTS; Communication System Band: BAND IV UTRA/FDD;Duty Cycle:1:1;
Frequency: 1752.6 MHz; Medium parameters used: f = 1800 MHz; σ= 1.39 mho/m; ε_r =38.79; ρ= 1000 kg/m^3 ;
Phantom section: Left Section

DASY Configuration:
• Probe: EX3DV4 – SN:3953; ConvF(8.61, 8.61, 8.61); Calibrated: 2024-09-05;
• Sensor-Surface: 3mm (Mechanical Surface Detection), z = 1.0, 31.0
• Electronics: DAE4 SN1398; Calibrated: 2025-05-09
• Phantom: SAM (20deg probe tilt) with CRP v5.0; Type: QD000P40CD;
• DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

HEAD/R-C HIGH/Area Scan (7x14x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 1.00 W/kg
HEAD/R-C HIGH/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 15.84 V/m; Power Drift = 0.14 dB
Peak SAR (extrapolated) = 1.46 W/kg
SAR(1 g) = 0.836 W/kg; SAR(10 g) = 0.492 W/kg
Smallest distance from peaks to all points 3 dB below = 13.8 mm
Ratio of SAR at M2 to SAR at M1 = 64.7%
Maximum value of SAR (measured) = 0.893 W/kg



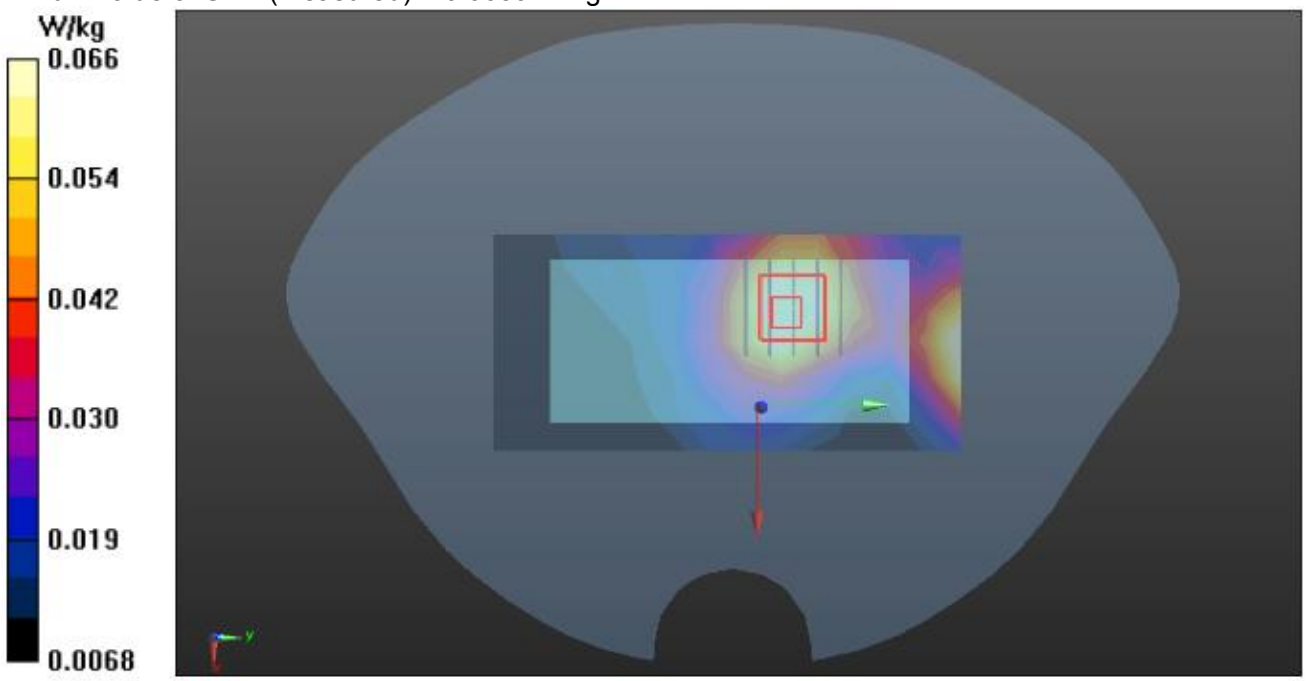


Test Laboratory: AGC Lab **Date: Jun. 20, 2025**
WCDMA Band IV Mid- Body back touch with accessories
DUT: IP/POC Two Way Radio; Type: E8068

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= 1.34 mho/m; εr =40.69; ρ= 1000 kg/m^3 ;
Phantom section: Flat Section

DASY Configuration:
• Probe: EX3DV4 – SN:3953; ConvF(8.61, 8.61, 8.61); Calibrated: 2024-09-05;
• Sensor-Surface: 3mm (Mechanical Surface Detection), z = 1.0, 31.0
• Electronics: DAE4 SN1398; Calibrated: 2025-05-09
• Phantom: SAM (20deg probe tilt) with CRP v5.0; Type: QD000P40CD;
• DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

BODY/BACK+CLIP/Area Scan (7x14x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 0.0773 W/kg
BODY/BACK+CLIP/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 5.454 V/m; Power Drift = 0.09 dB
Peak SAR (extrapolated) = 0.0890 W/kg
SAR(1 g) = 0.061 W/kg; SAR(10 g) = 0.040 W/kg
Smallest distance from peaks to all points 3 dB below: Larger than measurement grid (> 16 mm)
Ratio of SAR at M2 to SAR at M1 = 67.8%
Maximum value of SAR (measured) = 0.0659 W/kg

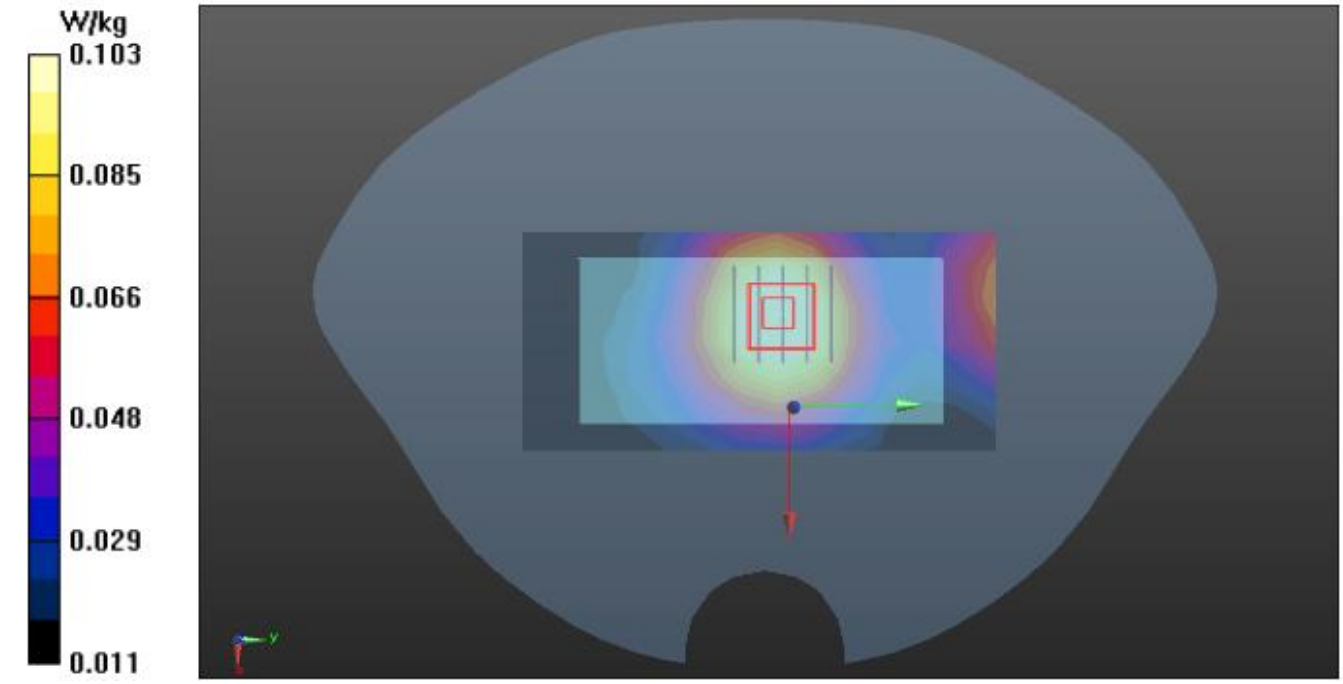


Test Laboratory: AGC Lab **Date: Jun. 20, 2025**
WCDMA Band IV Mid- Face up
DUT: IP/POC Two Way Radio; Type: E8068

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= 1.34 mho/m; εr =40.69; ρ= 1000 kg/m^3 ;
Phantom section: Flat Section

DASY Configuration:
• Probe: EX3DV4 – SN:3953; ConvF(8.61, 8.61, 8.61); Calibrated: 2024-09-05;
• Sensor-Surface: 3mm (Mechanical Surface Detection), z = 1.0, 31.0
• Electronics: DAE4 SN1398; Calibrated: 2025-05-09
• Phantom: SAM (20deg probe tilt) with CRP v5.0; Type: QD000P40CD;
• DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

HOLD TOFACE/FACE UP-25MM/Area Scan (7x14x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 0.116 W/kg
HOLD TOFACE/FACE UP-25MM/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.818 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 0.137 W/kg
SAR(1 g) = 0.096 W/kg; SAR(10 g) = 0.065 W/kg
Smallest distance from peaks to all points 3 dB below: Larger than measurement grid (> 16 mm)
Ratio of SAR at M2 to SAR at M1 = 68.9%
Maximum value of SAR (measured) = 0.103 W/kg

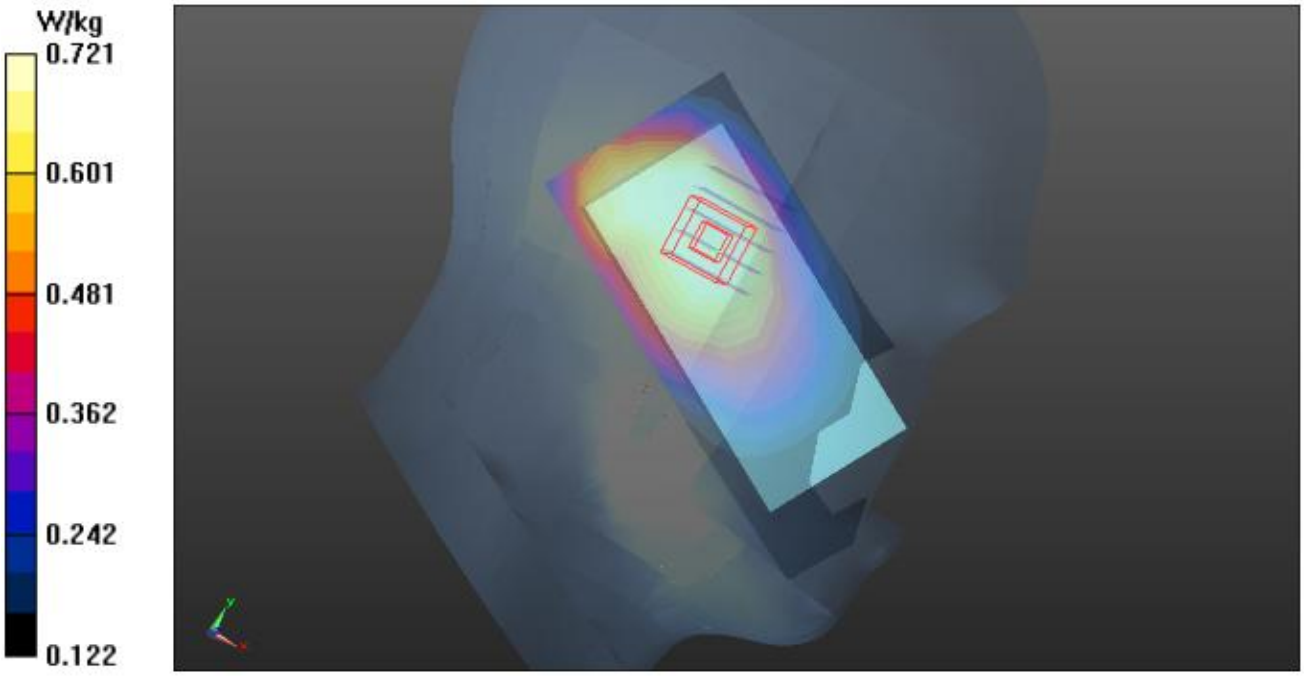


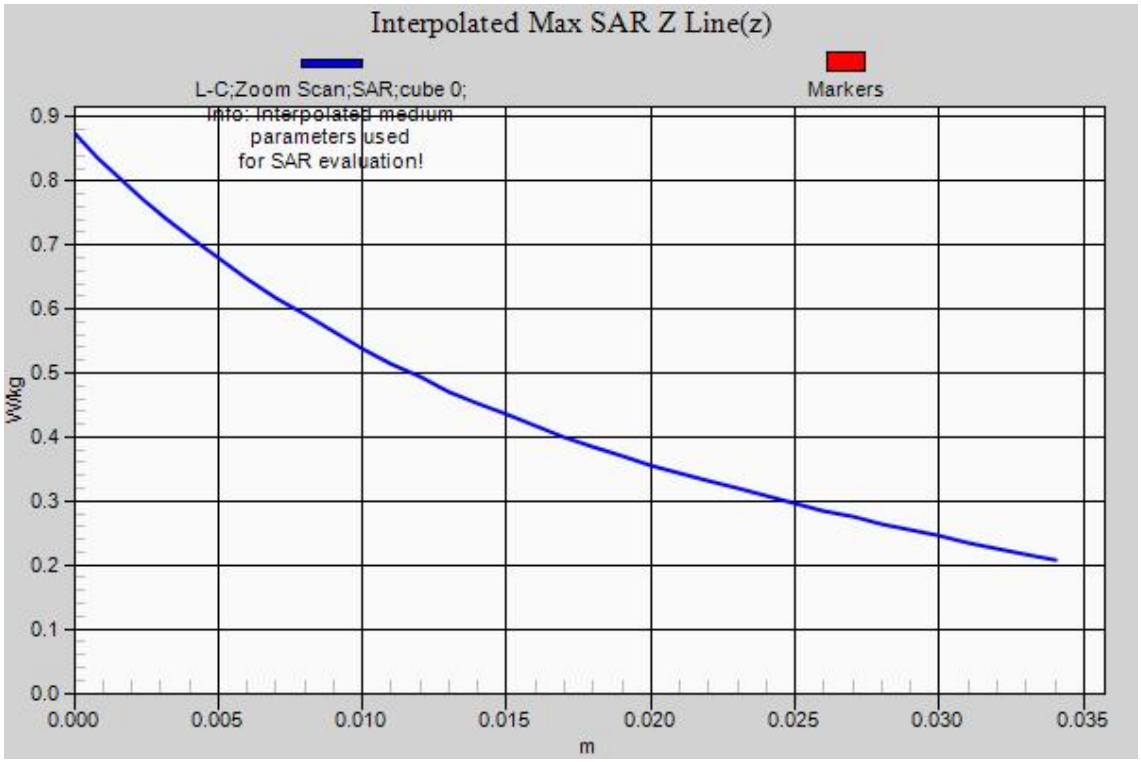
Test Laboratory: AGC Lab **Date: Jul. 18, 2025**
WCDMA Band V Mid-Touch-Left
DUT: IP/POC Two Way Radio; Type: E8068

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 =40.68; ρ= 1000 kg/m³ ;
Phantom section: Left Section

DASY Configuration:
• Probe: EX3DV4 – SN:3953; ConvF(9.95, 9.95, 9.95); Calibrated: 2024-09-05;
• Sensor-Surface: 3mm (Mechanical Surface Detection), z = 1.0, 31.0
• Electronics: DAE4 SN1398; Calibrated: 2025-05-09
• Phantom: SAM (20deg probe tilt) with CRP v5.0; Type: QD000P40CD;
• DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

HEAD-L/L-C/Area Scan (7x14x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 0.777 W/kg
HEAD-L/L-C/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 29.74 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 0.874 W/kg
SAR(1 g) = 0.691 W/kg; SAR(10 g) = 0.536 W/kg
Smallest distance from peaks to all points 3 dB below = 23.3 mm
Ratio of SAR at M2 to SAR at M1 = 80.8%
Maximum value of SAR (measured) = 0.721 W/kg



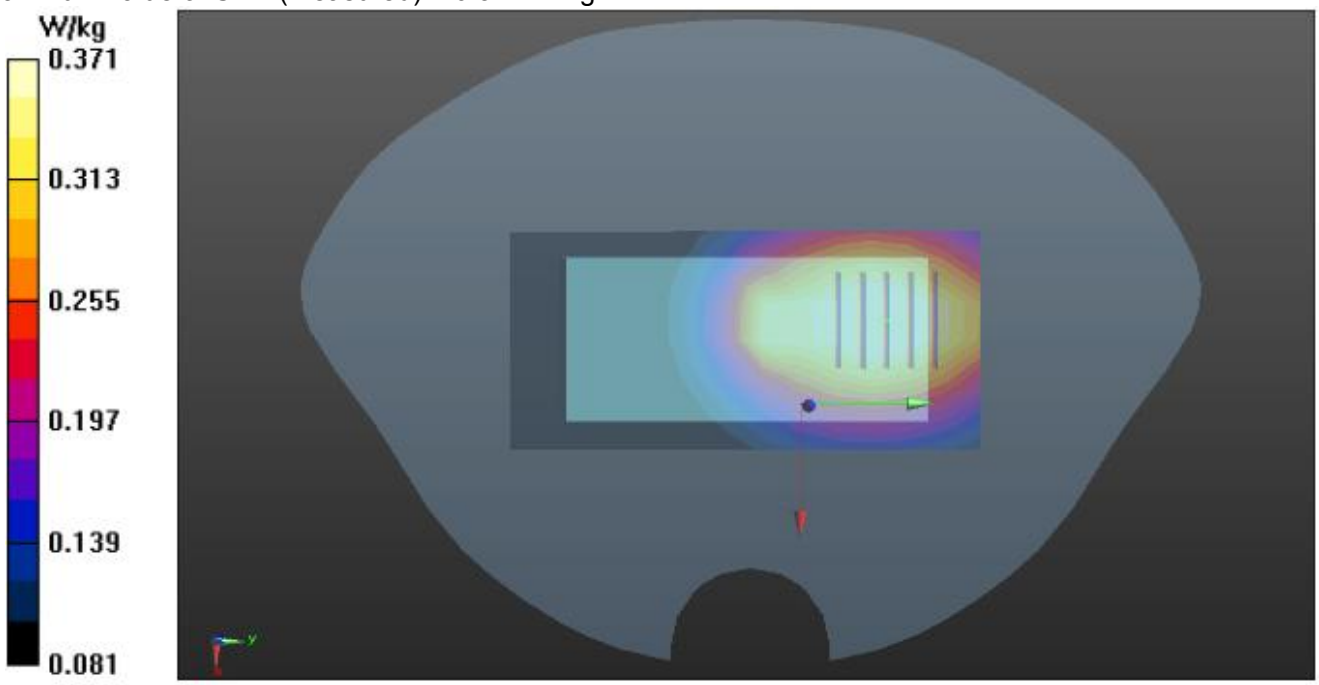


Test Laboratory: AGC Lab **Date: Jul. 18, 2025**
WCDMA Band V Mid- Body back touch with accessories
DUT: IP/POC Two Way Radio; Type: E8068

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 =40.68; ρ= 1000 kg/m³ ;
Phantom section: Flat Section

DASY Configuration:
• Probe: EX3DV4 – SN:3953; ConvF(9.95, 9.95, 9.95); Calibrated: 2024-09-05;
• Sensor-Surface: 3mm (Mechanical Surface Detection), z = 1.0, 31.0
• Electronics: DAE4 SN1398; Calibrated: 2025-05-09
• Phantom: SAM (20deg probe tilt) with CRP v5.0; Type: QD000P40CD;
• DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

BODY/BACK+CLIP/Area Scan (7x14x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 0.393 W/kg
BODY/BACK+CLIP/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 18.55 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 0.428 W/kg
SAR(1 g) = 0.357 W/kg; SAR(10 g) = 0.283 W/kg
Smallest distance from peaks to all points 3 dB below: Larger than measurement grid (> 16 mm)
Ratio of SAR at M2 to SAR at M1 = 81.8%
Maximum value of SAR (measured) = 0.371 W/kg

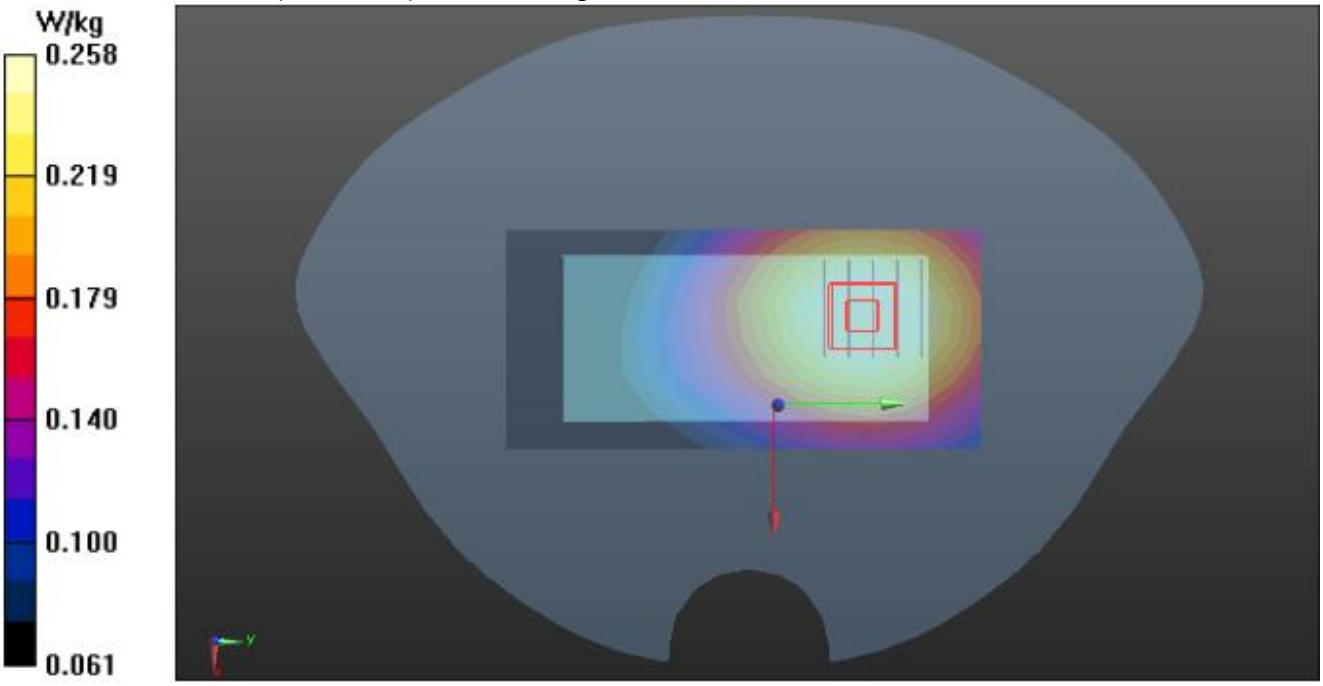


Test Laboratory: AGC Lab **Date: Jul. 18, 2025**
WCDMA Band V Mid- Face up
DUT: IP/POC Two Way Radio; Type: E8068

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 =40.68; ρ= 1000 kg/m³ ;
Phantom section: Flat Section

DASY Configuration:
• Probe: EX3DV4 – SN:3953; ConvF(9.95, 9.95, 9.95); Calibrated: 2024-09-05;
• Sensor-Surface: 3mm (Mechanical Surface Detection), z = 1.0, 31.0
• Electronics: DAE4 SN1398; Calibrated: 2025-05-09
• Phantom: SAM (20deg probe tilt) with CRP v5.0; Type: QD000P40CD;
• DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

HOLD TOFACE/FACE UP-25MM/Area Scan (7x14x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 0.275 W/kg
HOLD TOFACE/FACE UP-25MM/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 14.70 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 0.296 W/kg
SAR(1 g) = 0.249 W/kg; SAR(10 g) = 0.201 W/kg
Smallest distance from peaks to all points 3 dB below: Larger than measurement grid (> 16 mm)
Ratio of SAR at M2 to SAR at M1 = 83.4%
Maximum value of SAR (measured) = 0.258 W/kg

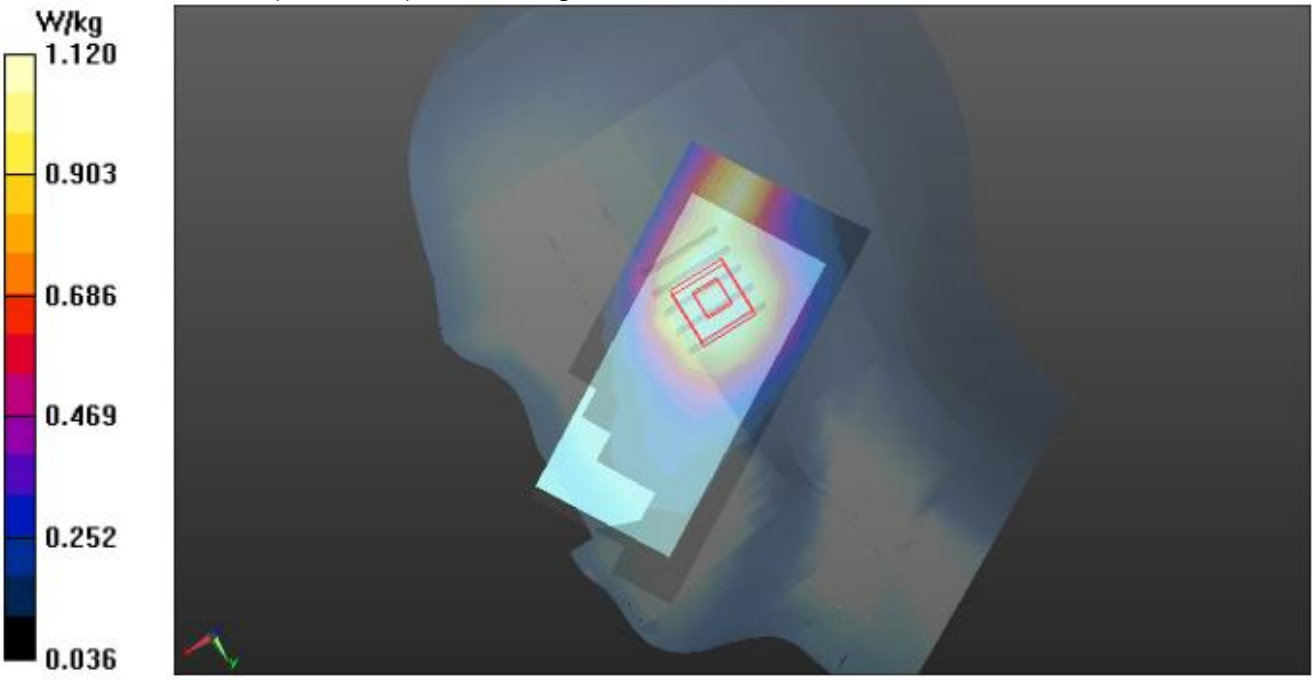


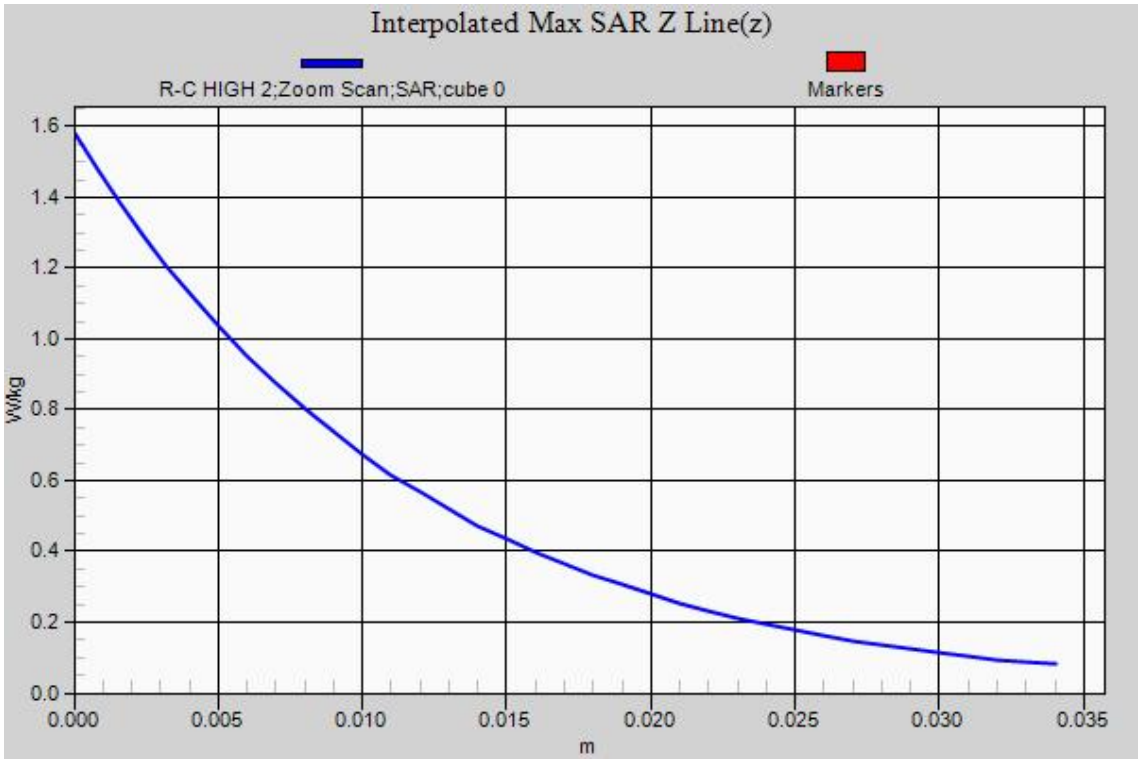
Test Laboratory: AGC Lab **Date: Jun. 19, 2025**
LTE Band 2 High-Touch-Right <SIM 1>
DUT: IP/POC Two Way Radio; Type: E8068

Communication System: LTE; Communication System Band: LTE Band 2; Duty Cycle: 1:1;
Frequency: 1900 MHz; Medium parameters used: f = 1900 MHz; σ= 1.37 mho/m; εr =38.64; ρ= 1000 kg/m^3 ;
Phantom section: Left Section

DASY Configuration:
• Probe: EX3DV4 – SN:3953; ConvF(8.31, 8.31, 8.31); Calibrated: 2024-09-05;
• Sensor-Surface: 3mm (Mechanical Surface Detection), z = 1.0, 31.0
• Electronics: DAE4 SN1398; Calibrated: 2025-05-09
• Phantom: SAM (20deg probe tilt) with CRP v5.0; Type: QD000P40CD;
• DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

HEAD/R-C HIGH 2/Area Scan (7x14x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 1.31 W/kg
HEAD/R-C HIGH 2/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 22.86 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 1.58 W/kg
SAR(1 g) = 1.05 W/kg; SAR(10 g) = 0.672 W/kg
Smallest distance from peaks to all points 3 dB below = 21.2 mm
Ratio of SAR at M2 to SAR at M1 = 65.5%
Maximum value of SAR (measured) = 1.12 W/kg



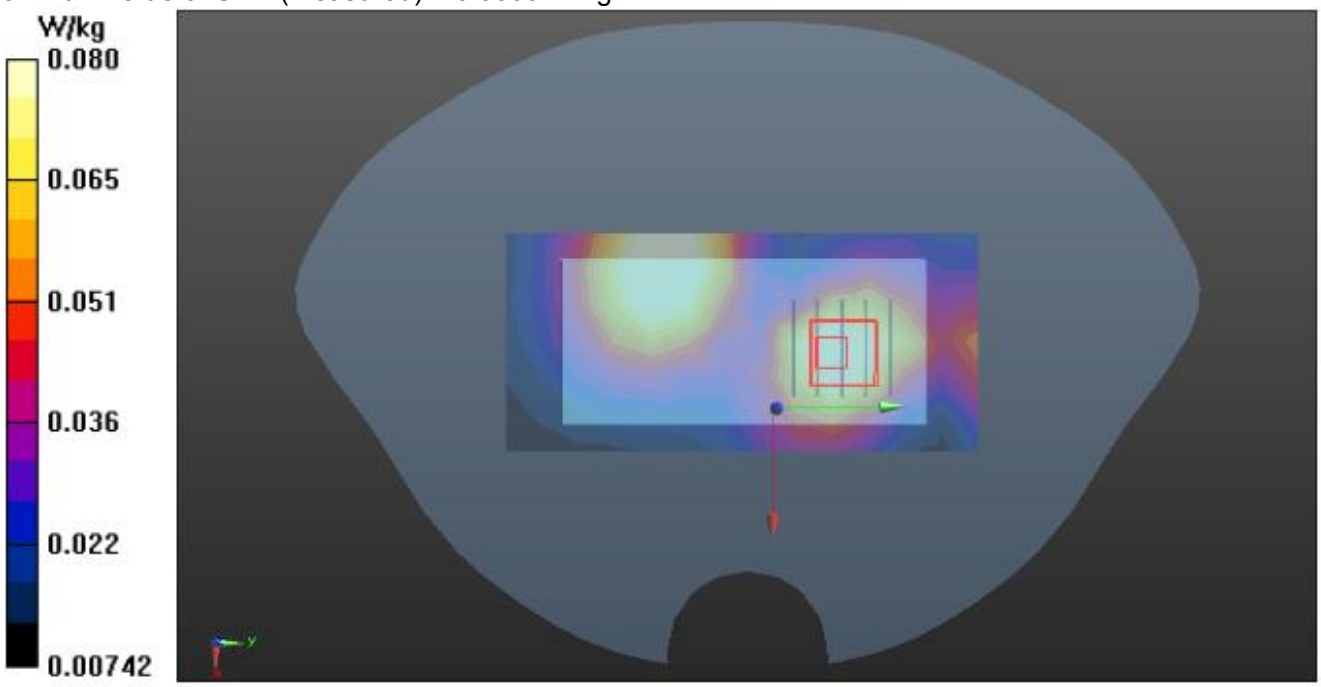


Test Laboratory: AGC Lab **Date: Jun. 19, 2025**
LTE Band 2 Mid-Body back touch with accessories (1 RB#0)
DUT: IP/POC Two Way Radio; Type: E8068

Communication System: LTE; Communication System Band: LTE Band 2; Duty Cycle: 1:1;
Frequency: 1880 MHz; Medium parameters used: f = 1900 MHz; σ= 1.35 mho/m; εr =39.86; ρ= 1000 kg/m^3 ;
Phantom section: Flat Section

DASY Configuration:
• Probe: EX3DV4 – SN:3953; ConvF(8.31, 8.31, 8.31); Calibrated: 2024-09-05;
• Sensor-Surface: 3mm (Mechanical Surface Detection), z = 1.0, 31.0
• Electronics: DAE4 SN1398; Calibrated: 2025-05-09
• Phantom: SAM (20deg probe tilt) with CRP v5.0; Type: QD000P40CD;
• DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

BODY/BACK+CLIP/Area Scan (7x14x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 0.0960 W/kg
BODY/BACK+CLIP/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 4.689 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 0.121 W/kg
SAR(1 g) = 0.075 W/kg; SAR(10 g) = 0.048 W/kg
Smallest distance from peaks to all points 3 dB below: Larger than measurement grid (> 16 mm)
Ratio of SAR at M2 to SAR at M1 = 66.7%
Maximum value of SAR (measured) = 0.0800 W/kg

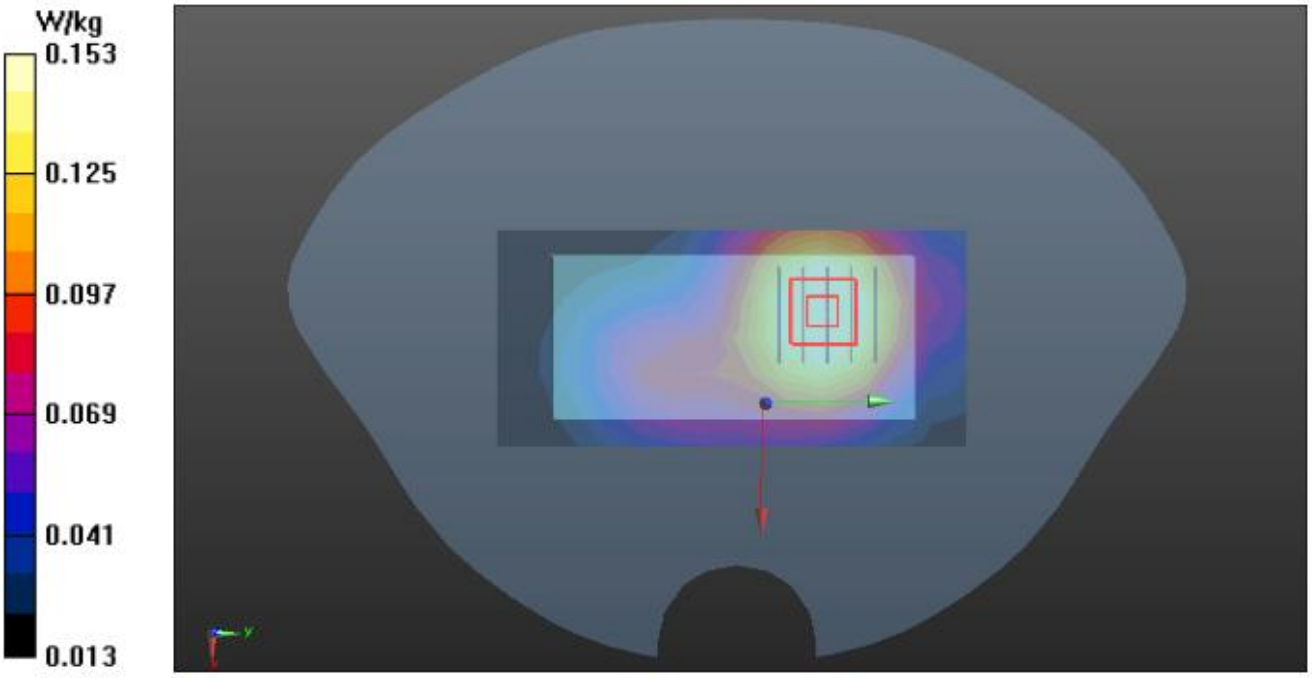


Test Laboratory: AGC Lab **Date: Jun. 19, 2025**
LTE Band 2 Mid- Face up (1 RB#0)
DUT: IP/POC Two Way Radio; Type: E8068

Communication System: LTE; Communication System Band: LTE Band 2; Duty Cycle: 1:1;
Frequency: 1880 MHz; Medium parameters used: f = 1900 MHz; σ= 1.35 mho/m; εr =39.86; ρ= 1000 kg/m³ ;
Phantom section: Flat Section

DASY Configuration:
• Probe: EX3DV4 – SN:3953; ConvF(8.31, 8.31, 8.31); Calibrated: 2024-09-05;
• Sensor-Surface: 3mm (Mechanical Surface Detection), z = 1.0, 31.0
• Electronics: DAE4 SN1398; Calibrated: 2025-05-09
• Phantom: SAM (20deg probe tilt) with CRP v5.0; Type: QD000P40CD;
• DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

HOLD TOFACE/FACE UP-25MM/Area Scan (7x14x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 0.176 W/kg
HOLD TOFACE/FACE UP-25MM/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.930 V/m; Power Drift = 0.13 dB
Peak SAR (extrapolated) = 0.211 W/kg
SAR(1 g) = 0.143 W/kg; SAR(10 g) = 0.096 W/kg
Smallest distance from peaks to all points 3 dB below: Larger than measurement grid (> 16 mm)
Ratio of SAR at M2 to SAR at M1 = 67.2%
Maximum value of SAR (measured) = 0.153 W/kg

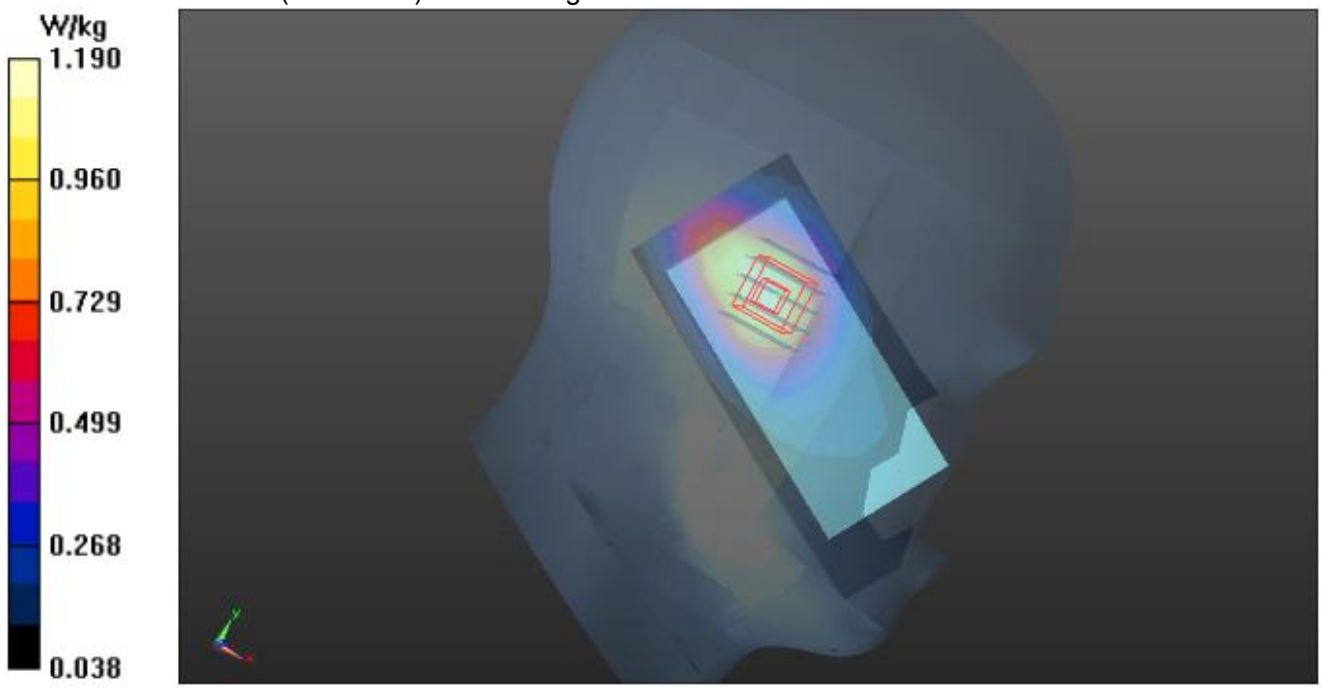


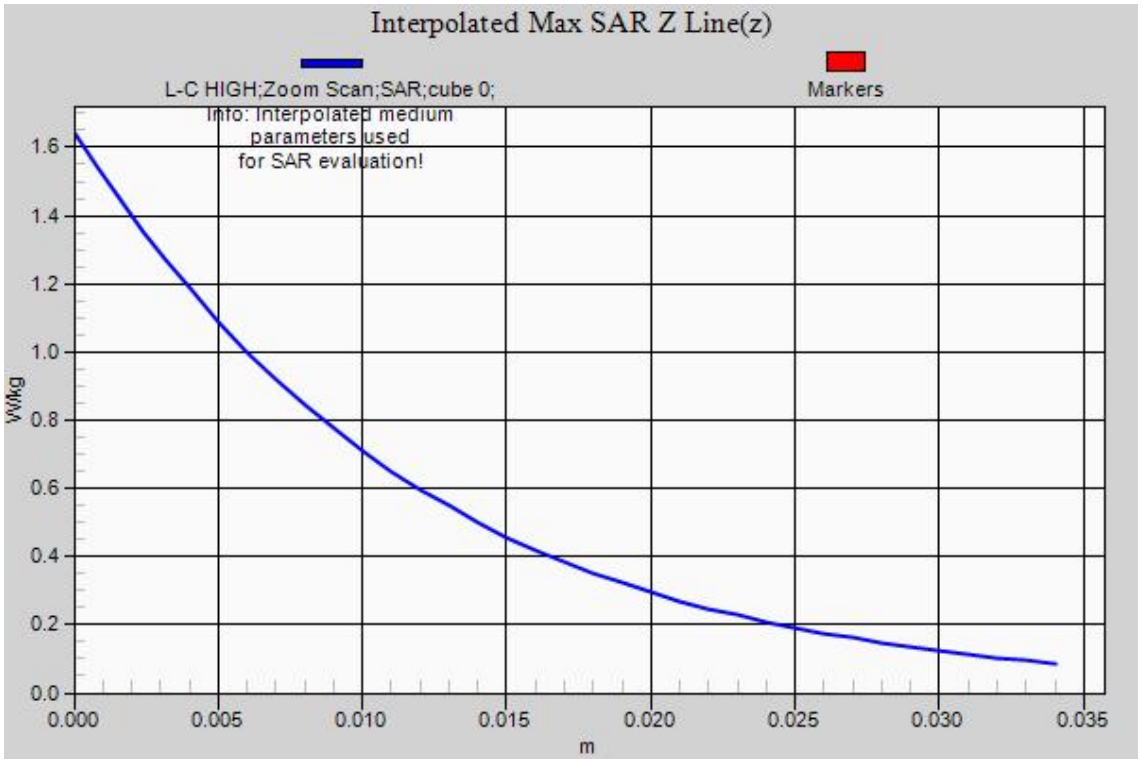
Test Laboratory: AGC Lab **Date: Jun. 20, 2025**
LTE Band 4 High-Touch-Left (1 RB#0)
DUT: IP/POC Two Way Radio; Type: E8068

Communication System: LTE; Communication System Band: LTE Band 4; Duty Cycle:1:1;
Frequency:1745 MHz; Medium parameters used: f =1750 MHz; σ= 1.35 mho/m; εr =40.36; ρ= 1000 kg/m³ ;
Phantom section: Left Section

DASY Configuration:
• Probe: EX3DV4 – SN:3953; ConvF(8.61, 8.61, 8.61); Calibrated: 2024-09-05;
• Sensor-Surface: 3mm (Mechanical Surface Detection), z = 1.0, 31.0
• Electronics: DAE4 SN1398; Calibrated: 2025-05-09
• Phantom: SAM (20deg probe tilt) with CRP v5.0; Type: QD000P40CD;
• DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

HEAD-L/L-C HIGH/Area Scan (7x14x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 1.22 W/kg
HEAD-L/L-C HIGH/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 27.71 V/m; Power Drift = -0.16 dB
Peak SAR (extrapolated) = 1.64 W/kg
SAR(1 g) = 1.09 W/kg; SAR(10 g) = 0.677 W/kg
Smallest distance from peaks to all points 3 dB below = 19.4 mm
Ratio of SAR at M2 to SAR at M1 = 65.4%
Maximum value of SAR (measured) = 1.19 W/kg



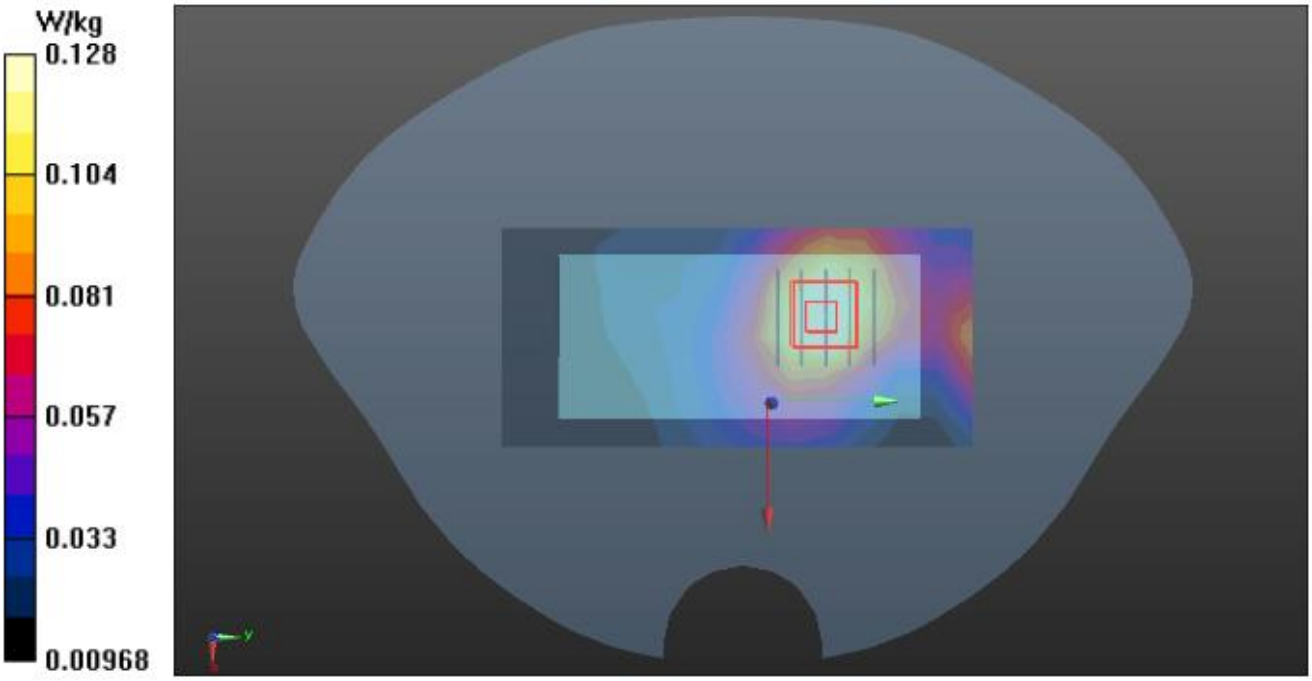


Test Laboratory: AGC Lab **Date: Jun. 20, 2025**
LTE Band 4 Mid- Body back touch with accessories (1 RB#0)
DUT: IP/POC Two Way Radio; Type: E8068

Communication System: LTE; Communication System Band: LTE Band 4; Duty Cycle:1:1;
Frequency:1732.5 MHz; Medium parameters used: f = 1750 MHz; σ= 1.34 mho/m; εr =40.69; ρ= 1000 kg/m³;
Phantom section: Flat Section

DASY Configuration:
• Probe: EX3DV4 – SN:3953; ConvF(8.61, 8.61, 8.61); Calibrated: 2024-09-05;
• Sensor-Surface: 3mm (Mechanical Surface Detection), z = 1.0, 31.0
• Electronics: DAE4 SN1398; Calibrated: 2025-05-09
• Phantom: SAM (20deg probe tilt) with CRP v5.0; Type: QD000P40CD;
• DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

BODY/BACK+CLIP/Area Scan (7x14x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 0.145 W/kg
BODY/BACK+CLIP/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.493 V/m; Power Drift = 0.14 dB
Peak SAR (extrapolated) = 0.183 W/kg
SAR(1 g) = 0.117 W/kg; SAR(10 g) = 0.074 W/kg
Smallest distance from peaks to all points 3 dB below = 20.4 mm
Ratio of SAR at M2 to SAR at M1 = 64.6%
Maximum value of SAR (measured) = 0.128 W/kg

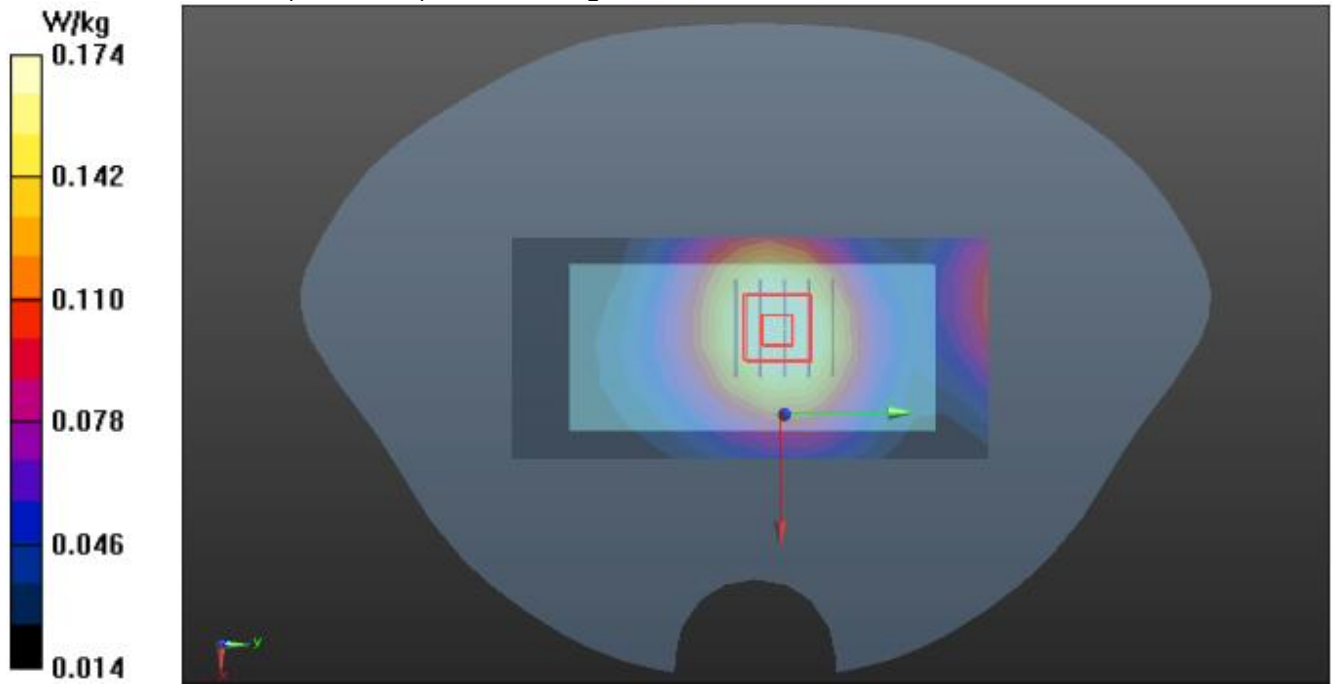


Test Laboratory: AGC Lab **Date: Jun. 20, 2025**
LTE Band 4 Mid- Face up (1 RB#0)
DUT: IP/POC Two Way Radio; Type: E8068

Communication System: LTE; Communication System Band: LTE Band 4; Duty Cycle:1:1;
Frequency:1732.5 MHz; Medium parameters used: f = 1750 MHz; σ= 1.34 mho/m; εr =40.69; ρ= 1000 kg/m ^{3} ;
Phantom section: Flat Section

DASY Configuration:
• Probe: EX3DV4 – SN:3953; ConvF(8.61, 8.61, 8.61); Calibrated: 2024-09-05;
• Sensor-Surface: 3mm (Mechanical Surface Detection), z = 1.0, 31.0
• Electronics: DAE4 SN1398; Calibrated: 2025-05-09
• Phantom: SAM (20deg probe tilt) with CRP v5.0; Type: QD000P40CD;
• DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

HOLD TOFACE/FACE UP-25MM/Area Scan (7x14x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 0.190 W/kg
HOLD TOFACE/FACE UP-25MM/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 11.23 V/m; Power Drift = 0.11 dB
Peak SAR (extrapolated) = 0.239 W/kg
SAR(1 g) = 0.163 W/kg; SAR(10 g) = 0.108 W/kg
Smallest distance from peaks to all points 3 dB below: Larger than measurement grid (> 16 mm)
Ratio of SAR at M2 to SAR at M1 = 67.5%
Maximum value of SAR (measured) = 0.174 W/kg

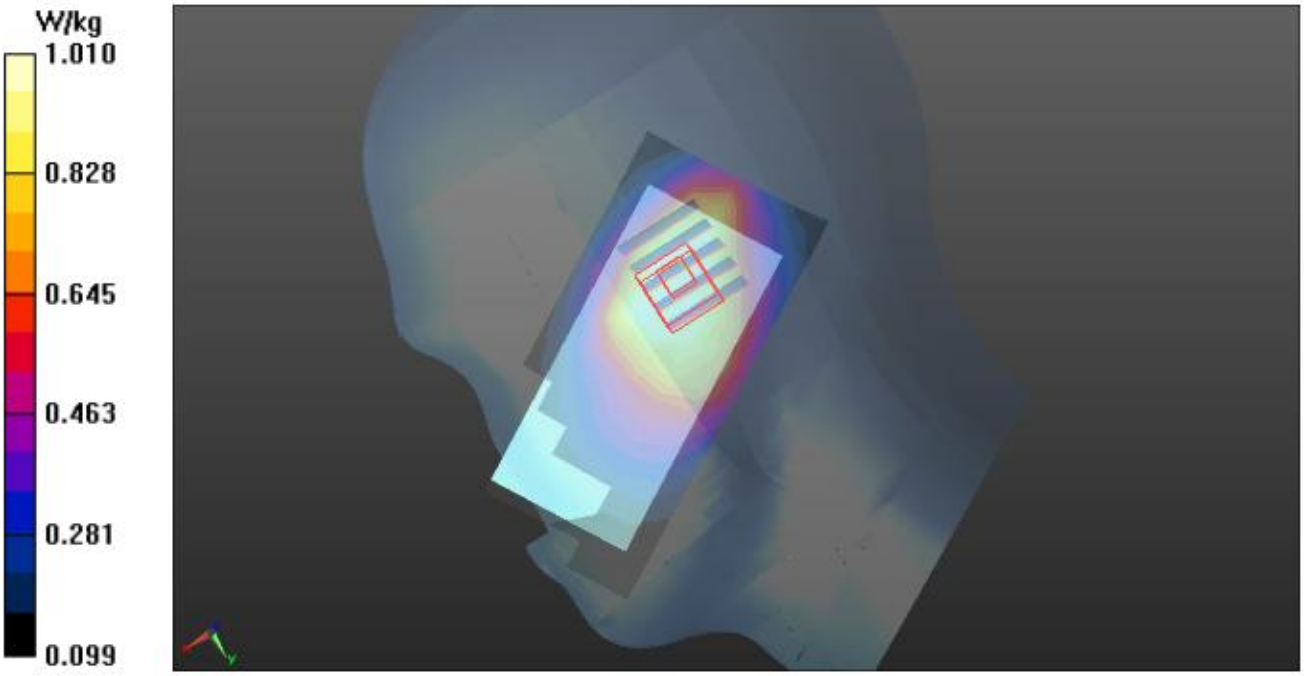


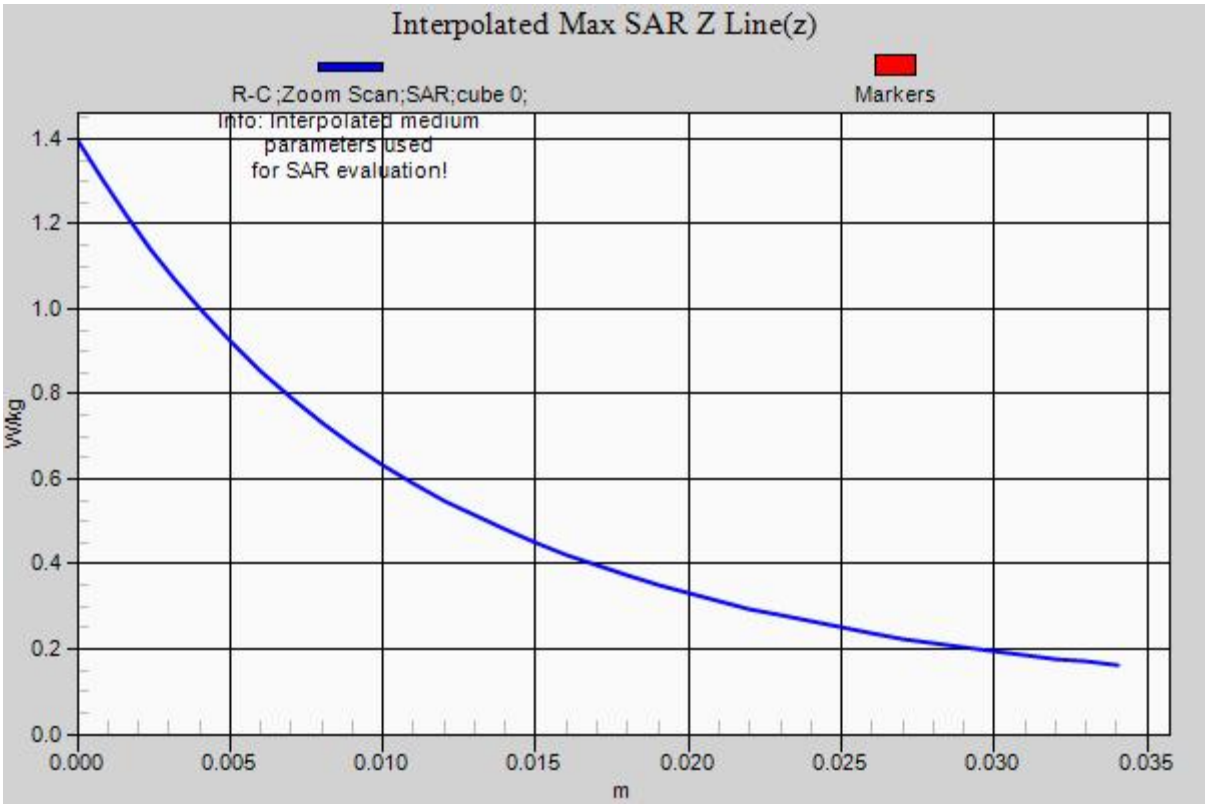
Test Laboratory: AGC Lab **Date: Jun. 18, 2025**
LTE Band 5 Mid-Touch-Right(1 RB#0)
DUT: IP/POC Two Way Radio; Type: E8068

Communication System: LTE; Communication System Band: LTE Band 5; Duty Cycle:1:1;
Frequency: 836.5 MHz; Medium parameters used: f = 835 MHz; σ=0.92 mho/m; εr =40.68; ρ= 1000 kg/m^3 ;
Phantom section: Left Section

DASY Configuration:
• Probe: EX3DV4 – SN:3953; ConvF(9.95, 9.95, 9.95); Calibrated: 2024-09-05;
• Sensor-Surface: 1.4mm (Mechanical Surface Detection), z = 1.0, 31.0
• Electronics: DAE4 SN1398; Calibrated: 2025-05-09
• Phantom: SAM (20deg probe tilt) with CRP v5.0; Type: QD000P40CD;
• DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

HEAD/R-C/Area Scan (7x14x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 1.18 W/kg
HEAD/R-C/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 34.13 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 1.41 W/kg
SAR(1 g) = 0.956 W/kg; SAR(10 g) = 0.669 W/kg
Smallest distance from peaks to all points 3 dB below = 20.7 mm
Ratio of SAR at M2 to SAR at M1 = 69%
Maximum value of SAR (measured) = 1.01 W/kg



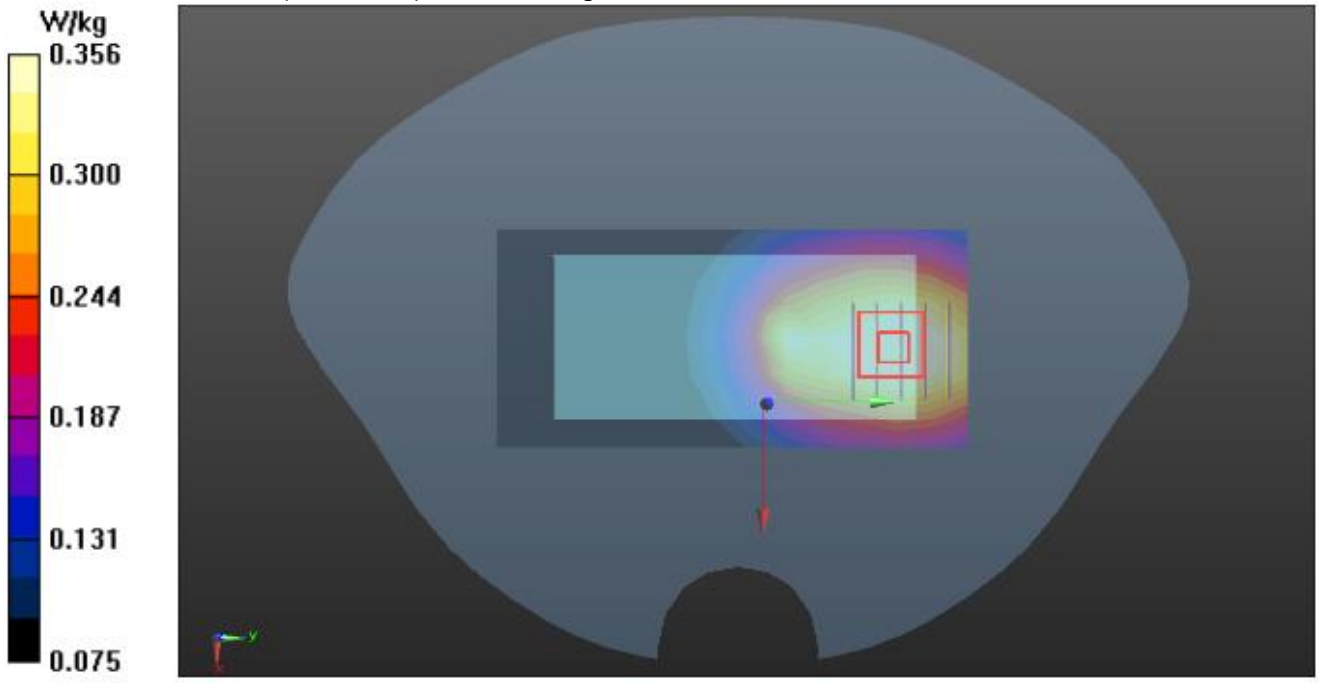


Test Laboratory: AGC Lab **Date: Jun. 18, 2025**
LTE Band 5 Mid- Body back touch with accessories (1 RB#0)
DUT: IP/POC Two Way Radio; Type: E8068

Communication System: LTE; Communication System Band: LTE Band 5; Duty Cycle:1:1;
Frequency:836.5 MHz; Medium parameters used: f = 835 MHz; σ=0.92mho/m; εr =40.68; ρ= 1000 kg/m³ ;
Phantom section: Flat Section

DASY Configuration:
• Probe: EX3DV4 – SN:3953; ConvF(9.95, 9.95, 9.95); Calibrated: 2024-09-05;
• Sensor-Surface: 1.4mm (Mechanical Surface Detection), z = 1.0, 31.0
• Electronics: DAE4 SN1398; Calibrated: 2025-05-09
• Phantom: SAM (20deg probe tilt) with CRP v5.0; Type: QD000P40CD;
• DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

BODY/BACK+CLIP/Area Scan (7x14x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 0.374 W/kg
BODY/BACK+CLIP/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 14.10 V/m; Power Drift = 0.10 dB
Peak SAR (extrapolated) = 0.410 W/kg
SAR(1 g) = 0.339 W/kg; SAR(10 g) = 0.266 W/kg
Smallest distance from peaks to all points 3 dB below: Larger than measurement grid (> 16 mm)
Ratio of SAR at M2 to SAR at M1 = 82.2%
Maximum value of SAR (measured) = 0.356 W/kg

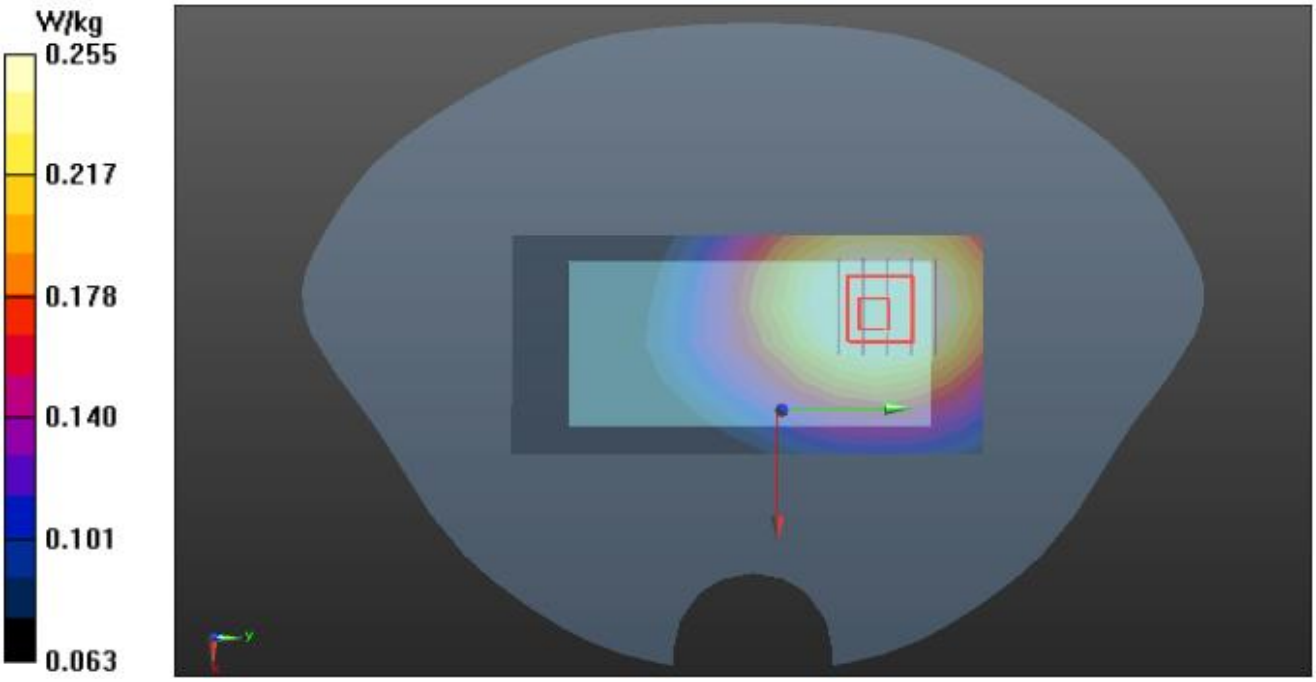


Test Laboratory: AGC Lab **Date: Jun. 18, 2025**
LTE Band 5 Mid- Face up (1 RB#0)
DUT: IP/POC Two Way Radio; Type: E8068

Communication System: LTE; Communication System Band: LTE Band 5; Duty Cycle:1:1;
Frequency:836.5 MHz; Medium parameters used: f = 835 MHz; σ=0.92mho/m; εr =40.68; ρ= 1000 kg/m³ ;
Phantom section: Flat Section

DASY Configuration:
• Probe: EX3DV4 – SN:3953; ConvF(9.95, 9.95, 9.95); Calibrated: 2024-09-05;
• Sensor-Surface: 1.4mm (Mechanical Surface Detection), z = 1.0, 31.0
• Electronics: DAE4 SN1398; Calibrated: 2025-05-09
• Phantom: SAM (20deg probe tilt) with CRP v5.0; Type: QD000P40CD;
• DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

HOLD TOFACE/FACE UP-25MM/Area Scan (7x14x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 0.286 W/kg
HOLD TOFACE/FACE UP-25MM/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 14.11 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 0.293 W/kg
SAR(1 g) = 0.247 W/kg; SAR(10 g) = 0.201 W/kg
Smallest distance from peaks to all points 3 dB below: Larger than measurement grid (> 16 mm)
Ratio of SAR at M2 to SAR at M1 = 83.6%
Maximum value of SAR (measured) = 0.255 W/kg

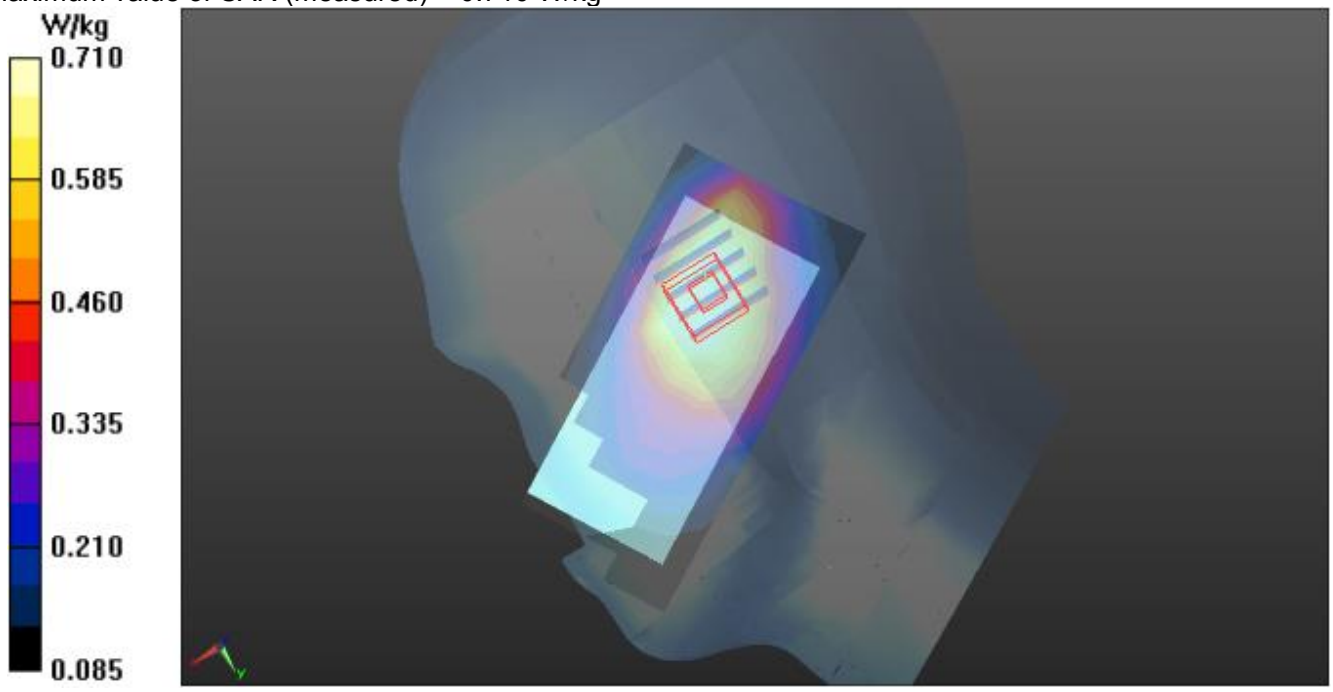


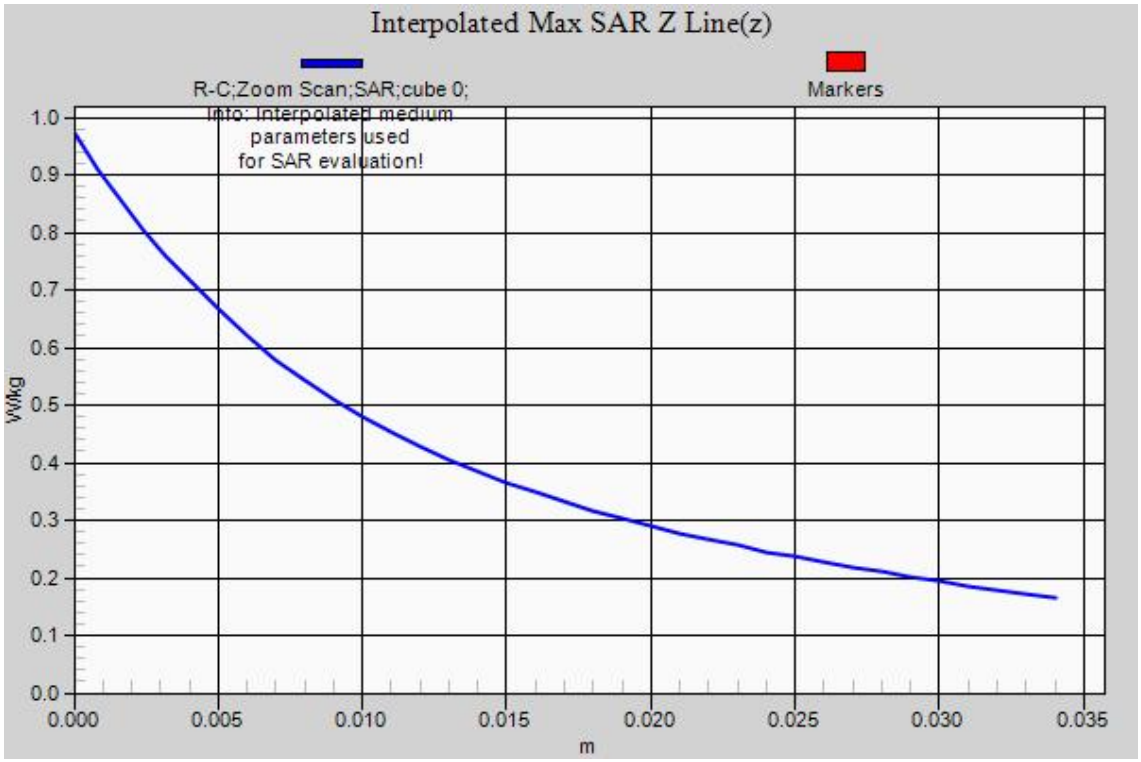
Test Laboratory: AGC Lab **Date: Jun. 17, 2025**
LTE Band 12 Mid-Touch- Right (1 RB#0)
DUT: IP/POC Two Way Radio; Type: E8068

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 =41.66; ρ= 1000 kg/m³ ;
Phantom section: Left Section

DASY Configuration:
• Probe: EX3DV4 – SN:3953; ConvF(10.38, 10.38, 10.38); Calibrated: 2024-09-05;
• Sensor-Surface: 1.4mm (Mechanical Surface Detection), z = 1.0, 31.0
• Electronics: DAE4 SN1398; Calibrated: 2025-05-09
• Phantom: SAM (20deg probe tilt) with CRP v5.0; Type: QD000P40CD;
• DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

HEAD/R-C/Area Scan (7x14x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 0.767 W/kg
HEAD/R-C/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 26.69 V/m; Power Drift = 0.14 dB
Peak SAR (extrapolated) = 0.971 W/kg
SAR(1 g) = 0.671 W/kg; SAR(10 g) = 0.484 W/kg
Smallest distance from peaks to all points 3 dB below = 18.4 mm
Ratio of SAR at M2 to SAR at M1 = 70.6%
Maximum value of SAR (measured) = 0.710 W/kg



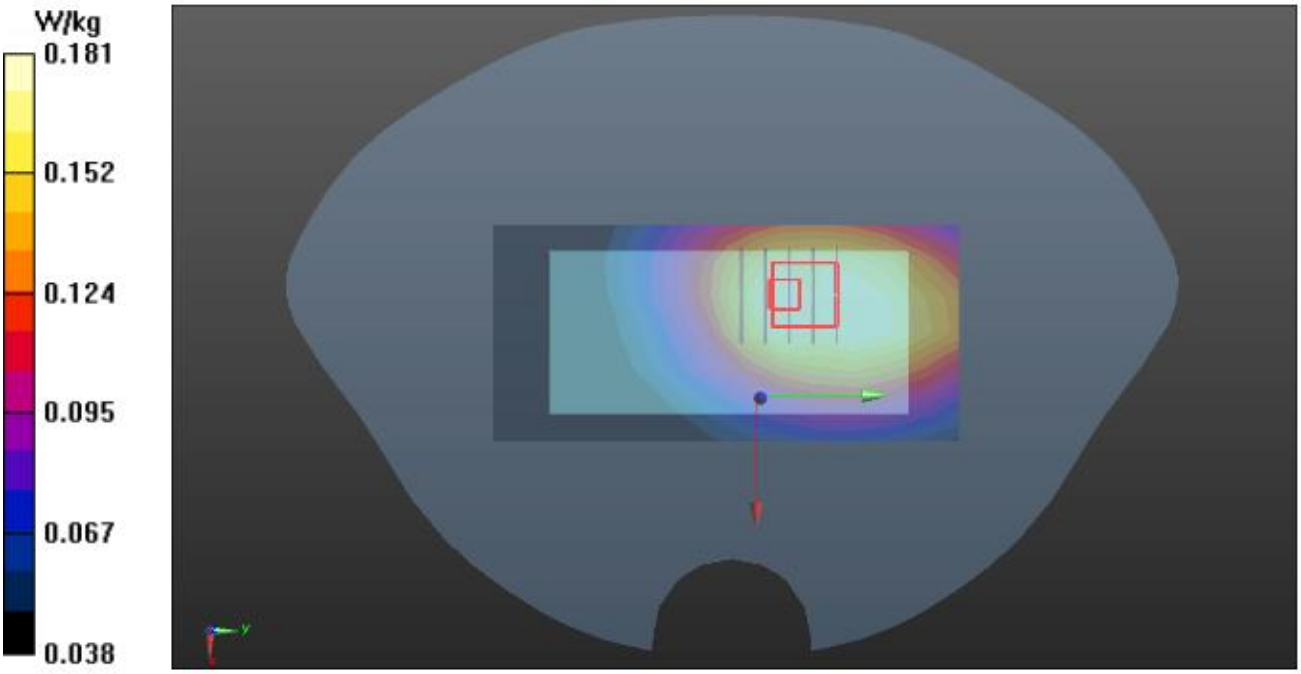


Test Laboratory: AGC Lab **Date: Jun. 17, 2025**
LTE Band 12 Mid- Body back touch with accessories (1 RB#0)
DUT: IP/POC Two Way Radio; Type: E8068

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 =41.66; ρ= 1000 kg/m³ ;
Phantom section: Flat Section

DASY Configuration:
• Probe: EX3DV4 – SN:3953; ConvF(10.38, 10.38, 10.38); Calibrated: 2024-09-05;
• Sensor-Surface: 1.4mm (Mechanical Surface Detection), z = 1.0, 31.0
• Electronics: DAE4 SN1398; Calibrated: 2025-05-09
• Phantom: SAM (20deg probe tilt) with CRP v5.0; Type: QD000P40CD;
• DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

BODY/BACK+CLIP/Area Scan (7x14x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 0.190 W/kg
BODY/BACK+CLIP/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.47 V/m; Power Drift = 0.13 dB
Peak SAR (extrapolated) = 0.213 W/kg
SAR(1 g) = 0.170 W/kg; SAR(10 g) = 0.137 W/kg
Smallest distance from peaks to all points 3 dB below: Larger than measurement grid (> 16 mm)
Ratio of SAR at M2 to SAR at M1 = 84.8%
Maximum value of SAR (measured) = 0.181 W/kg

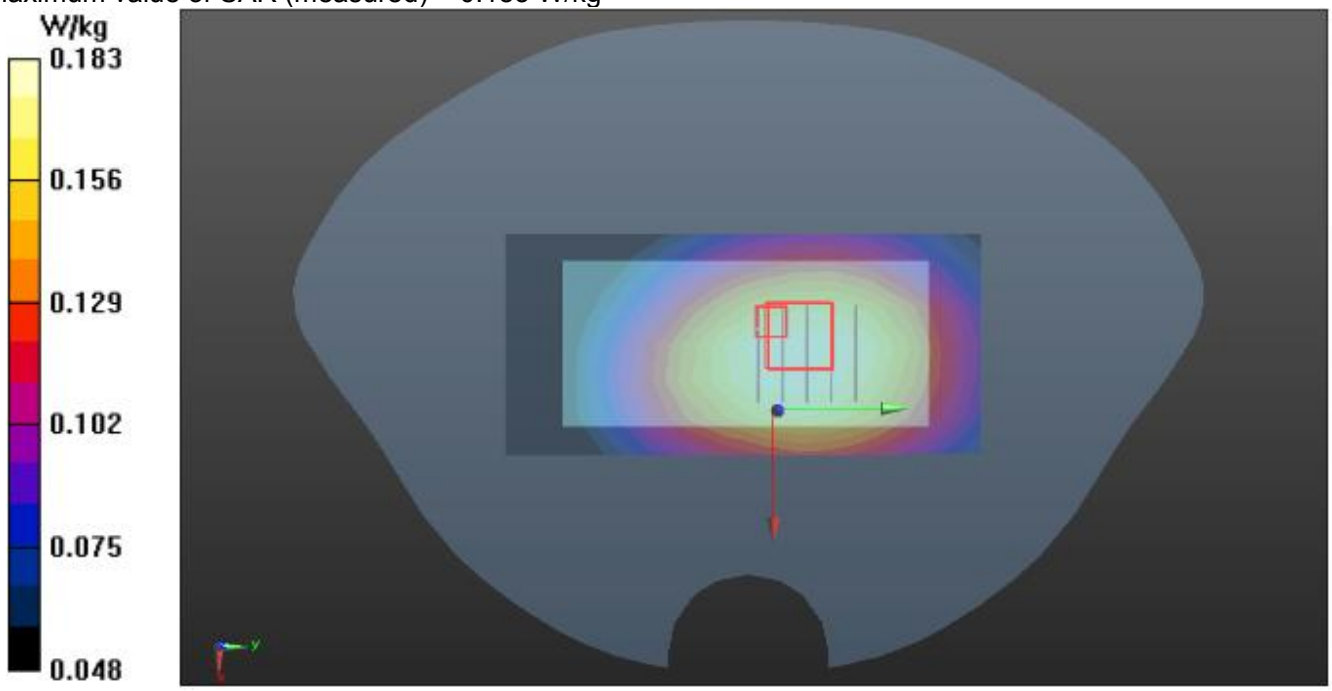


Test Laboratory: AGC Lab **Date: Jun. 17, 2025**
LTE Band 12 Mid- Face up (1 RB#0)
DUT: IP/POC Two Way Radio; Type: E8068

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 =41.66; ρ= 1000 kg/m³ ;
Phantom section: Flat Section

DASY Configuration:
• Probe: EX3DV4 – SN:3953; ConvF(10.38, 10.38, 10.38); Calibrated: 2024-09-05;
• Sensor-Surface: 1.4mm (Mechanical Surface Detection), z = 1.0, 31.0
• Electronics: DAE4 SN1398; Calibrated: 2025-05-09
• Phantom: SAM (20deg probe tilt) with CRP v5.0; Type: QD000P40CD;
• DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

HOLD TOFACE/FACE UP-25MM/Area Scan (7x14x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 0.183 W/kg
HOLD TOFACE/FACE UP-25MM/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 13.88 V/m; Power Drift = 0.18 dB
Peak SAR (extrapolated) = 0.203 W/kg
SAR(1 g) = 0.171 W/kg; SAR(10 g) = 0.139 W/kg
Smallest distance from peaks to all points 3 dB below: Larger than measurement grid (> 16 mm)
Ratio of SAR at M2 to SAR at M1 = 84.5%
Maximum value of SAR (measured) = 0.183 W/kg

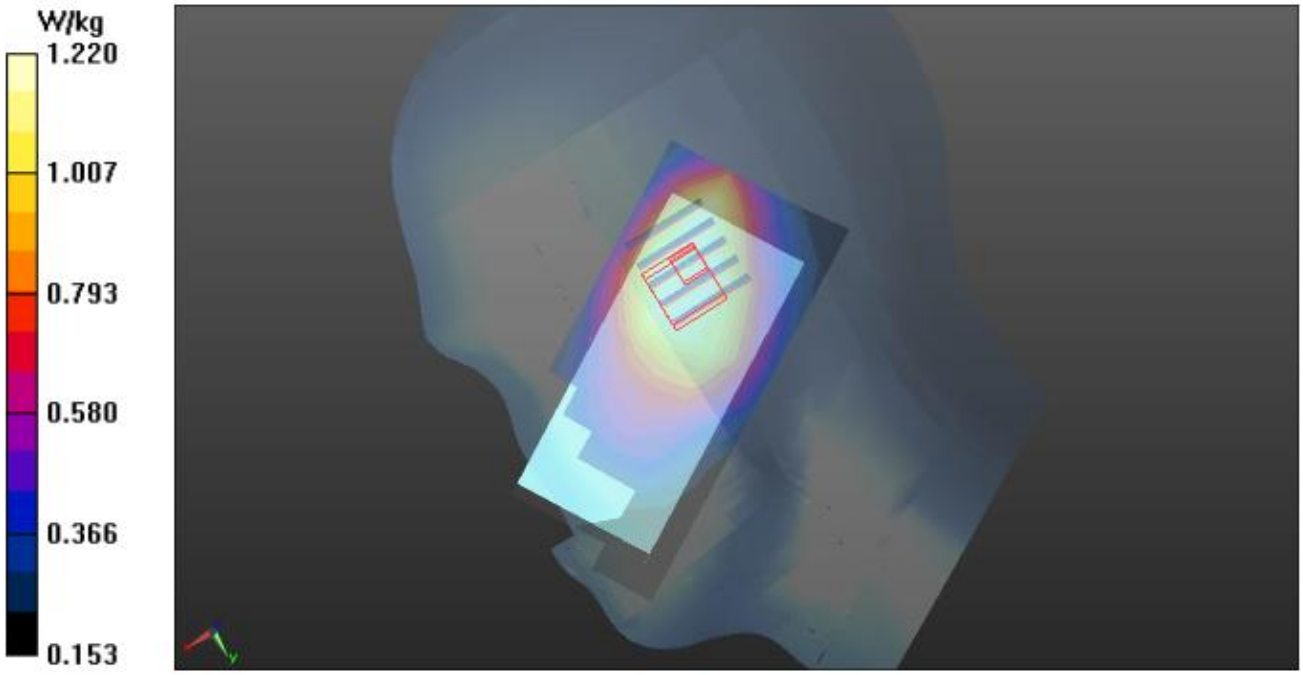


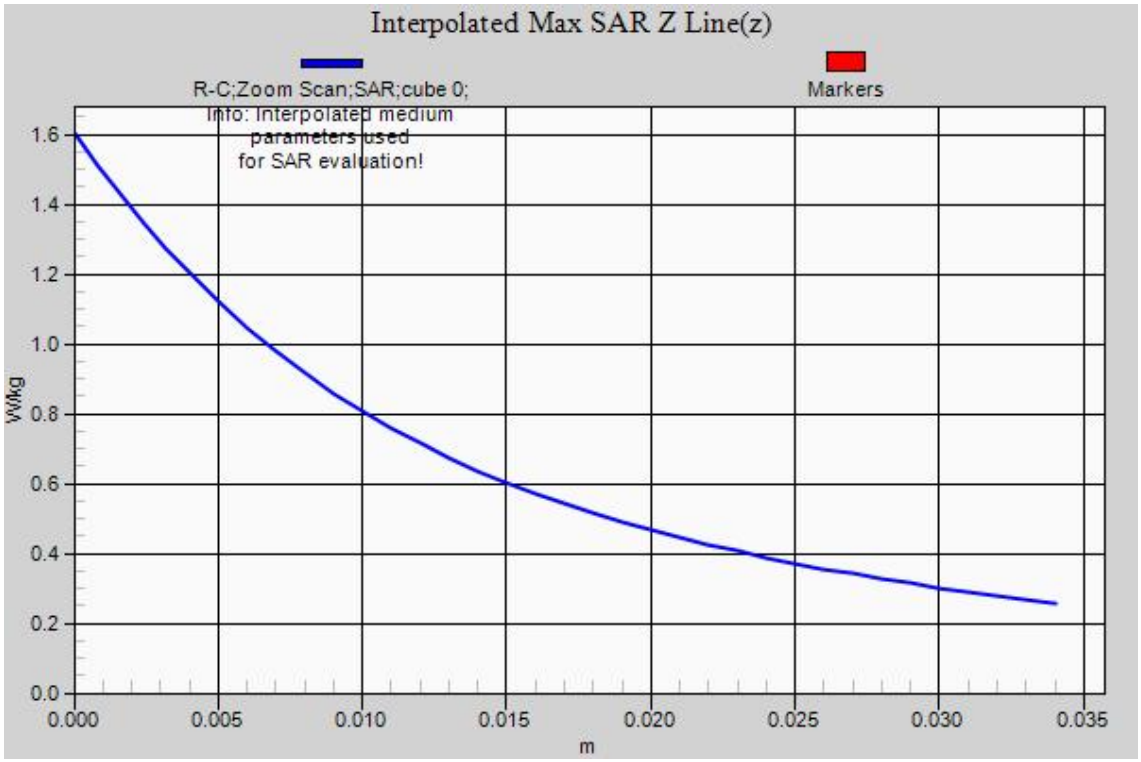
Test Laboratory: AGC Lab **Date: Jun. 17, 2025**
LTE Band 13 Mid-Touch- Right (1 RB#0)
DUT: IP/POC Two Way Radio; Type: E8068

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 =40.32; ρ= 1000 kg/m^3 ;
Phantom section: Left Section

DASY Configuration:
• Probe: EX3DV4 – SN:3953; ConvF(10.38, 10.38, 10.38); Calibrated: 2024-09-05;
• Sensor-Surface: 1.4mm (Mechanical Surface Detection), z = 1.0, 31.0
• Electronics: DAE4 SN1398; Calibrated: 2025-05-09
• Phantom: SAM (20deg probe tilt) with CRP v5.0; Type: QD000P40CD;
• DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

HEAD/R-C/Area Scan (7x14x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 1.43 W/kg
HEAD/R-C/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 31.90 V/m; Power Drift = 0.19 dB
Peak SAR (extrapolated) = 1.60 W/kg
SAR(1 g) = 1.13 W/kg; SAR(10 g) = 0.826 W/kg
Smallest distance from peaks to all points 3 dB below: Larger than measurement grid (> 16 mm)
Ratio of SAR at M2 to SAR at M1 = 72.1%
Maximum value of SAR (measured) = 1.22 W/kg



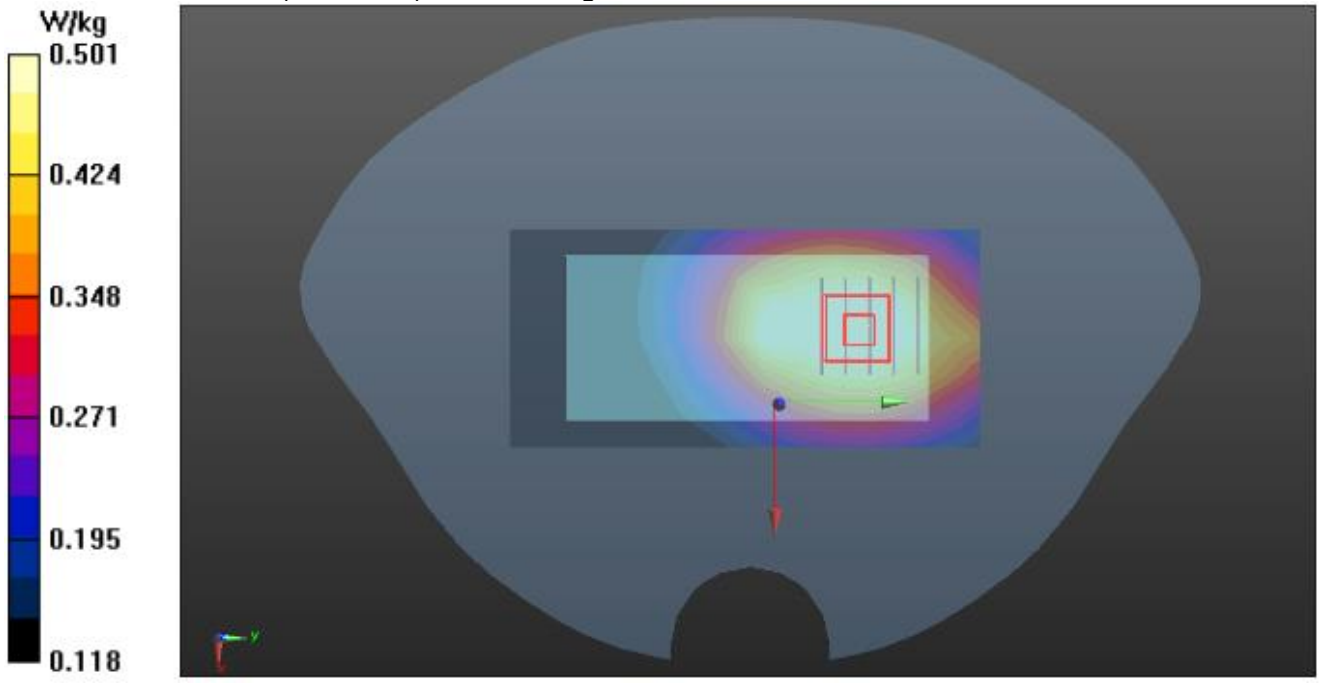


Test Laboratory: AGC Lab **Date: Jun. 17, 2025**
LTE Band 13 Mid- Body back touch with accessories (1 RB#0)
DUT: IP/POC Two Way Radio; Type: E8068

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 =40.32; ρ= 1000 kg/m^3 ;
Phantom section: Flat Section

DASY Configuration:
• Probe: EX3DV4 – SN:3953; ConvF(10.38, 10.38, 10.38); Calibrated: 2024-09-05;
• Sensor-Surface: 1.4mm (Mechanical Surface Detection), z = 1.0, 31.0
• Electronics: DAE4 SN1398; Calibrated: 2025-05-09
• Phantom: SAM (20deg probe tilt) with CRP v5.0; Type: QD000P40CD;
• DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

BODY/BACK+CLIP/Area Scan (7x14x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 0.528 W/kg
BODY/BACK+CLIP/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 21.64 V/m; Power Drift = 0.10 dB
Peak SAR (extrapolated) = 0.578 W/kg
SAR(1 g) = 0.483 W/kg; SAR(10 g) = 0.386 W/kg
Smallest distance from peaks to all points 3 dB below: Larger than measurement grid (> 16 mm)
Ratio of SAR at M2 to SAR at M1 = 82.7%
Maximum value of SAR (measured) = 0.501 W/kg

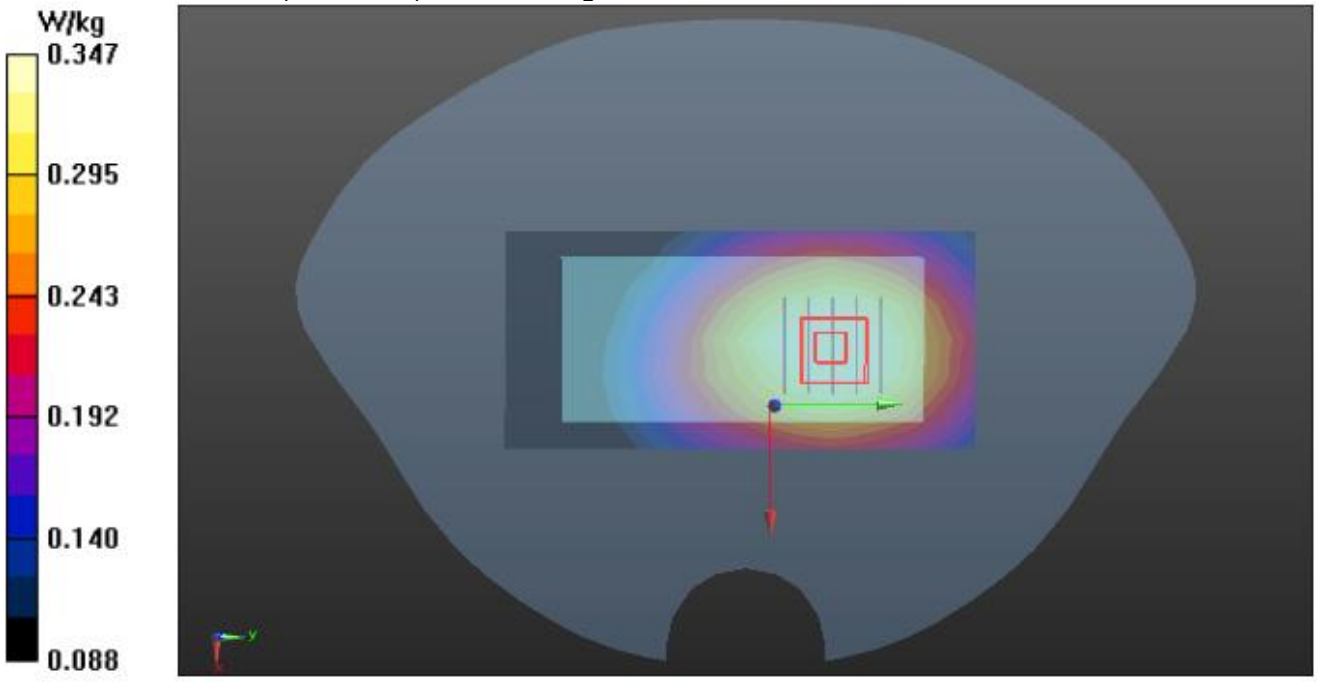


Test Laboratory: AGC Lab **Date: Jun. 17, 2025**
LTE Band 13 Mid- Face up (1 RB#0)
DUT: IP/POC Two Way Radio; Type: E8068

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 =40.32; ρ= 1000 kg/m³ ;
Phantom section: Flat Section

DASY Configuration:
• Probe: EX3DV4 – SN:3953; ConvF(10.38, 10.38, 10.38); Calibrated: 2024-09-05;
• Sensor-Surface: 1.4mm (Mechanical Surface Detection), z = 1.0, 31.0
• Electronics: DAE4 SN1398; Calibrated: 2025-05-09
• Phantom: SAM (20deg probe tilt) with CRP v5.0; Type: QD000P40CD;
• DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

HOLD TOFACE/FACE UP-25MM/Area Scan (7x14x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 0.362 W/kg
HOLD TOFACE/FACE UP-25MM/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 17.88 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 0.393 W/kg
SAR(1 g) = 0.331 W/kg; SAR(10 g) = 0.268 W/kg
Smallest distance from peaks to all points 3 dB below: Larger than measurement grid (> 16 mm)
Ratio of SAR at M2 to SAR at M1 = 83.5%
Maximum value of SAR (measured) = 0.347 W/kg

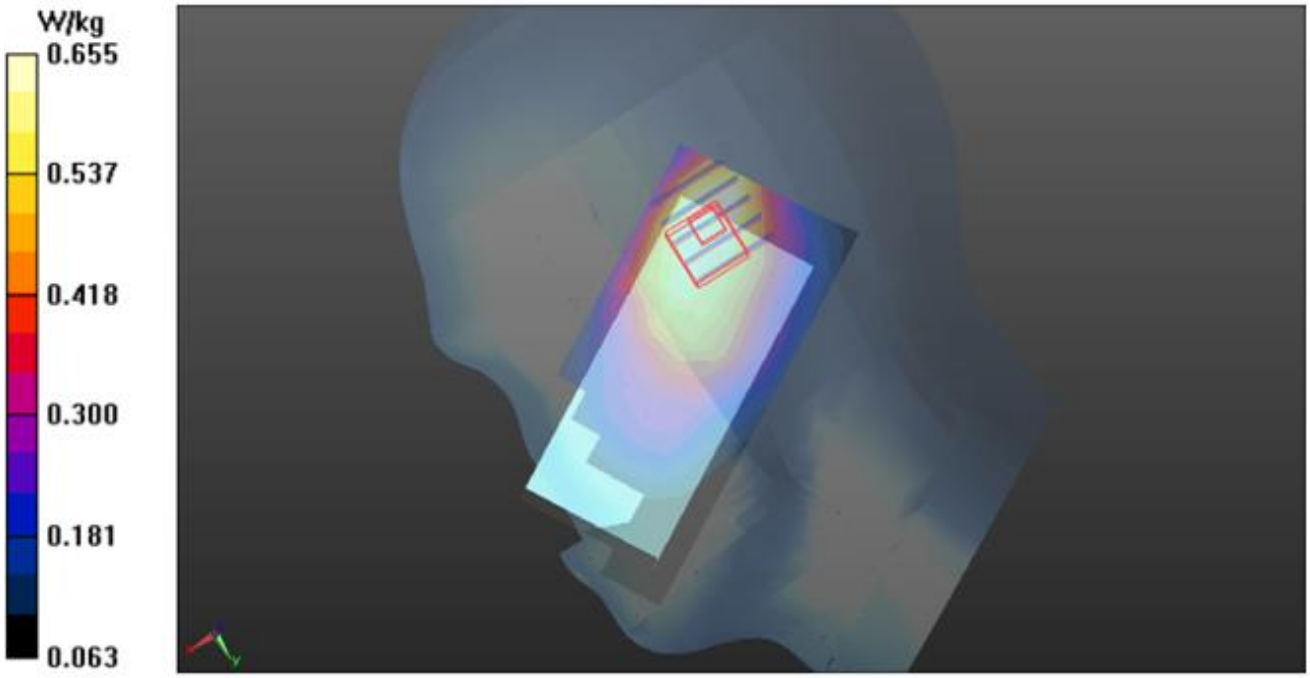


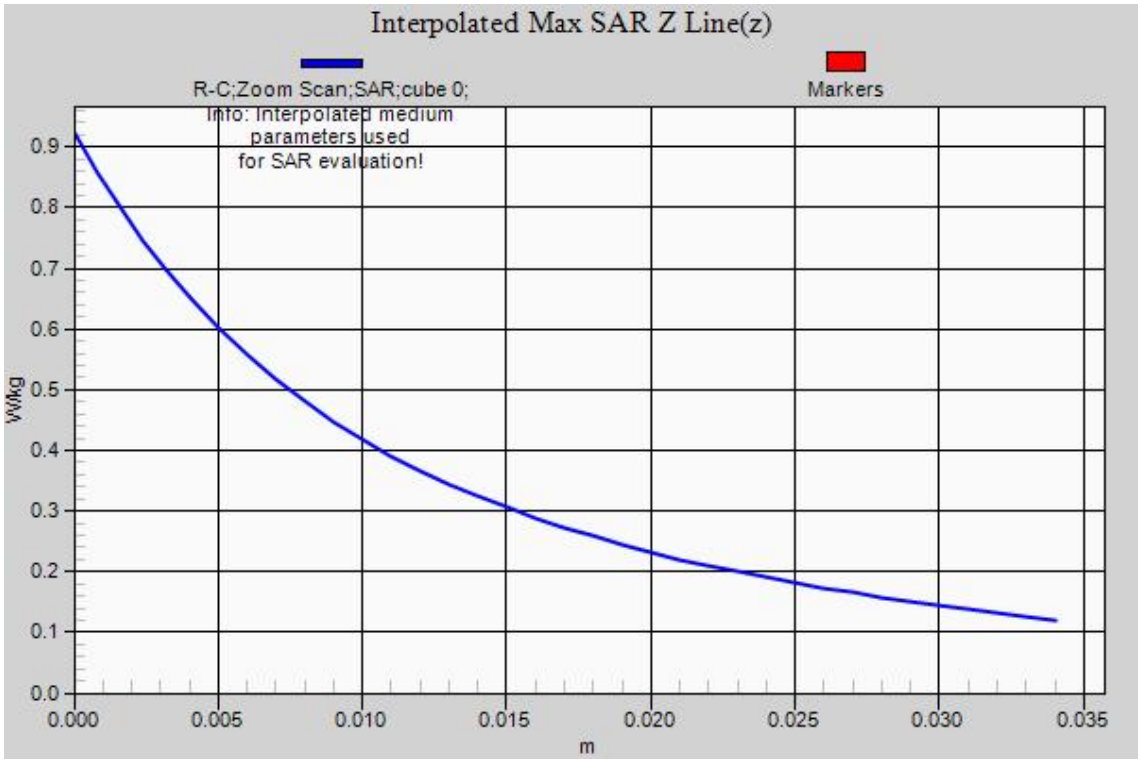
Test Laboratory: AGC Lab **Date: Jun. 17, 2025**
LTE Band 17 Mid-Touch- Right (1 RB#0)
DUT: IP/POC Two Way Radio; Type: E8068

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 =41.23; ρ= 1000 kg/m³ ;
Phantom section: Left Section

DASY Configuration:
• Probe: EX3DV4 – SN:3953; ConvF(10.38, 10.38, 10.38); Calibrated: 2024-09-05;
• Sensor-Surface: 1.4mm (Mechanical Surface Detection), z = 1.0, 31.0
• Electronics: DAE4 SN1398; Calibrated: 2025-05-09
• Phantom: SAM (20deg probe tilt) with CRP v5.0; Type: QD000P40CD;
• DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

HEAD/R-C/Area Scan (7x14x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 0.746 W/kg
HEAD/R-C/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 25.65 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 0.922 W/kg
SAR(1 g) = 0.614 W/kg; SAR(10 g) = 0.431 W/kg
Smallest distance from peaks to all points 3 dB below = 19.7 mm
Ratio of SAR at M2 to SAR at M1 = 69.8%
Maximum value of SAR (measured) = 0.655 W/kg



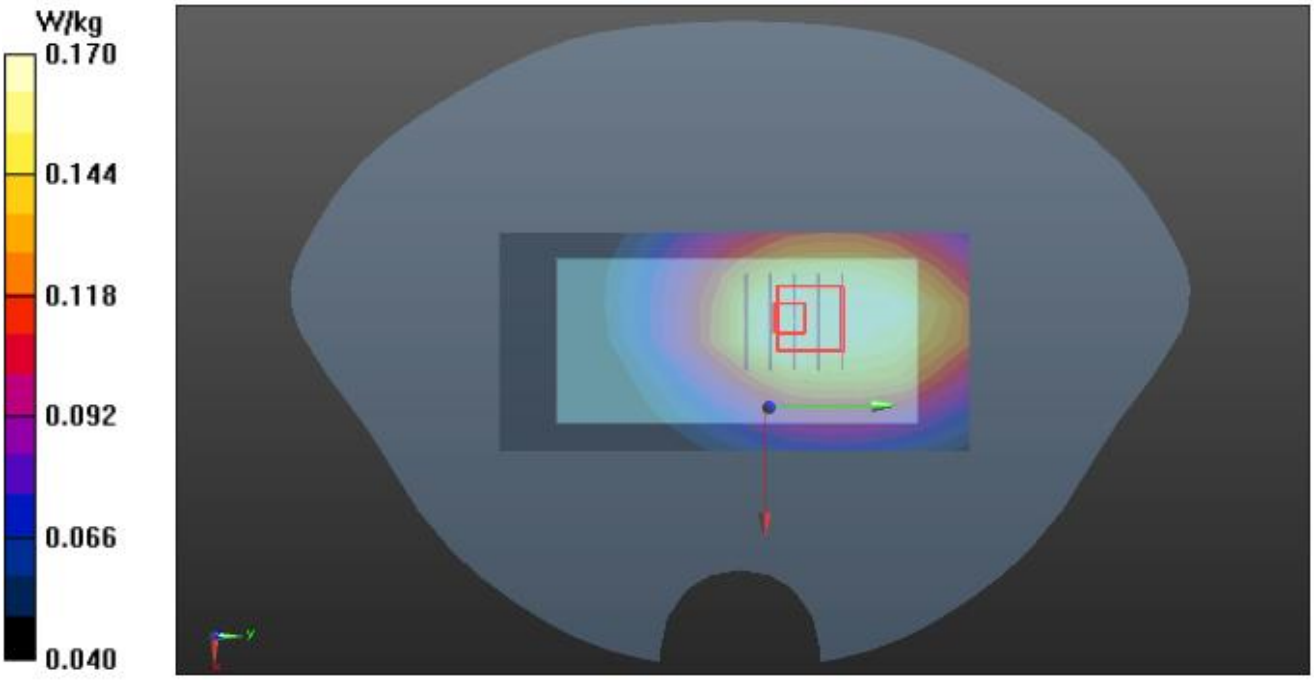


Test Laboratory: AGC Lab **Date: Jun. 17, 2025**
LTE Band 17 Mid- Body back touch with accessories (1 RB#0)
DUT: IP/POC Two Way Radio; Type: E8068

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 =41.23; ρ= 1000 kg/m³ ;
Phantom section: Flat Section

DASY Configuration:
• Probe: EX3DV4 – SN:3953; ConvF(10.38, 10.38, 10.38); Calibrated: 2024-09-05;
• Sensor-Surface: 1.4mm (Mechanical Surface Detection), z = 1.0, 31.0
• Electronics: DAE4 SN1398; Calibrated: 2025-05-09
• Phantom: SAM (20deg probe tilt) with CRP v5.0; Type: QD000P40CD;
• DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

BODY/BACK+CLIP/Area Scan (7x14x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 0.183 W/kg
BODY/BACK+CLIP/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.61 V/m; Power Drift = -0.15 dB
Peak SAR (extrapolated) = 0.203 W/kg
SAR(1 g) = 0.161 W/kg; SAR(10 g) = 0.127 W/kg
Smallest distance from peaks to all points 3 dB below: Larger than measurement grid (> 16 mm)
Ratio of SAR at M2 to SAR at M1 = 79.3%
Maximum value of SAR (measured) = 0.170 W/kg

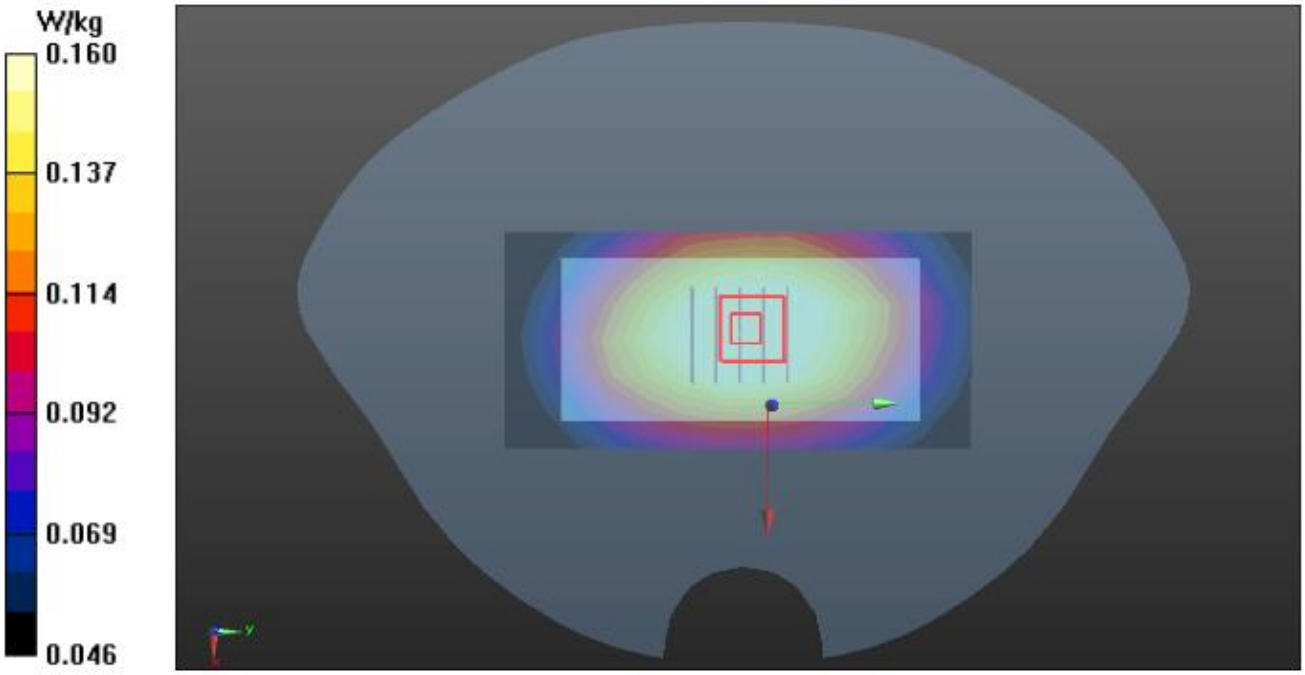


Test Laboratory: AGC Lab **Date: Jun. 17, 2025**
LTE Band 17 Mid- Face up (1 RB#0)
DUT: IP/POC Two Way Radio; Type: E8068

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 =41.23; ρ= 1000 kg/m³ ;
Phantom section: Flat Section

DASY Configuration:
• Probe: EX3DV4 – SN:3953; ConvF(10.38, 10.38, 10.38); Calibrated: 2024-09-05;
• Sensor-Surface: 1.4mm (Mechanical Surface Detection), z = 1.0, 31.0
• Electronics: DAE4 SN1398; Calibrated: 2025-05-09
• Phantom: SAM (20deg probe tilt) with CRP v5.0; Type: QD000P40CD;
• DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

HOLD TOFACE/FACE UP-25MM/Area Scan (7x14x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 0.170 W/kg
HOLD TOFACE/FACE UP-25MM/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 13.91 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 0.181 W/kg
SAR(1 g) = 0.154 W/kg; SAR(10 g) = 0.125 W/kg
Smallest distance from peaks to all points 3 dB below: Larger than measurement grid (> 16 mm)
Ratio of SAR at M2 to SAR at M1 = 83.6%
Maximum value of SAR (measured) = 0.160 W/kg

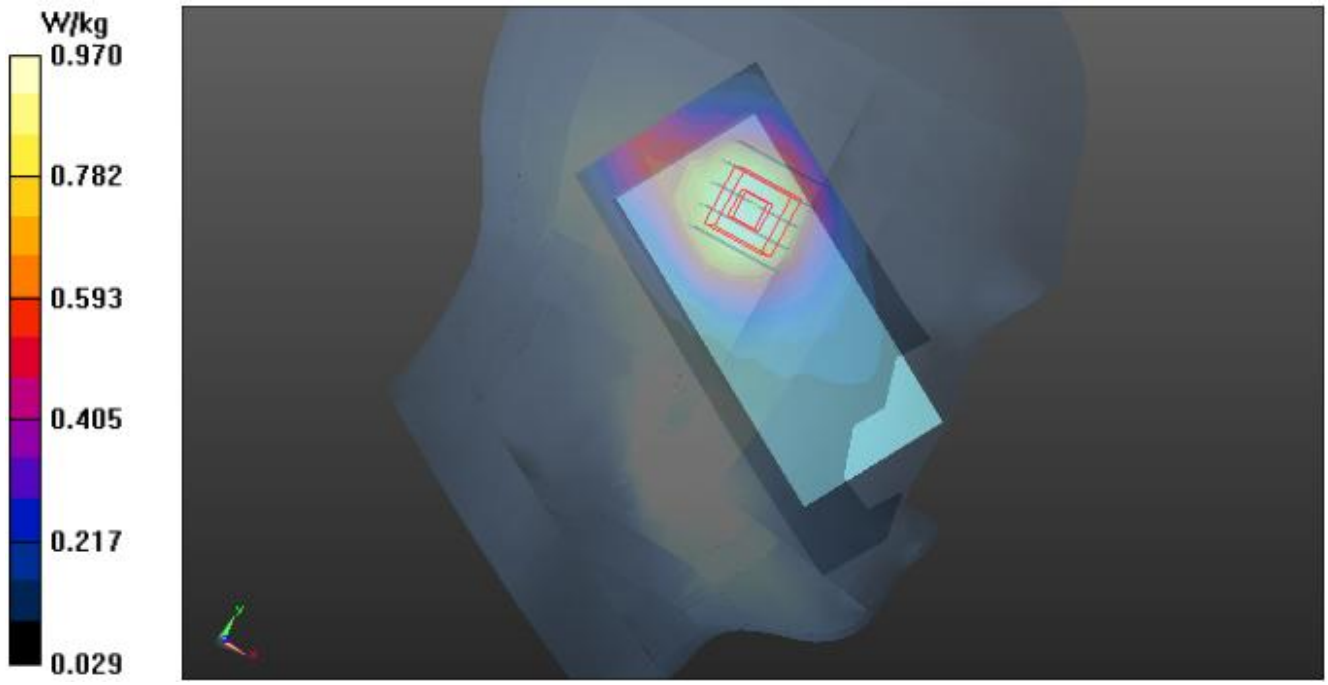


Test Laboratory: AGC Lab **Date: Jun. 19, 2025**
LTE Band 25 Low-Touch-Left <SIM 1>
DUT: IP/POC Two Way Radio; Type: E8068

Communication System: LTE; Communication System Band: LTE Band 25; Duty Cycle: 1:1;
Frequency: 1860 MHz; Medium parameters used: f = 1900 MHz; σ=1.35 mho/m; ε_r =40.13; ρ= 1000 kg/m^3 ;
Phantom section: Left Section

DASY Configuration:
• Probe: EX3DV4 – SN:3953; ConvF(8.31, 8.31, 8.31); Calibrated: 2024-09-05;
• Sensor-Surface: 3mm (Mechanical Surface Detection), z = 1.0, 31.0
• Electronics: DAE4 SN1398; Calibrated: 2025-05-09
• Phantom: SAM (20deg probe tilt) with CRP v5.0; Type: QD000P40CD;
• DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

HEAD-L/L-C LOW/Area Scan (7x14x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 1.09 W/kg
HEAD-L/L-C LOW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 22.22 V/m; Power Drift = 0.16 dB
Peak SAR (extrapolated) = 1.35 W/kg
SAR(1 g) = 0.900 W/kg; SAR(10 g) = 0.561 W/kg
Smallest distance from peaks to all points 3 dB below = 20.2 mm
Ratio of SAR at M2 to SAR at M1 = 65.1%
Maximum value of SAR (measured) = 0.970 W/kg

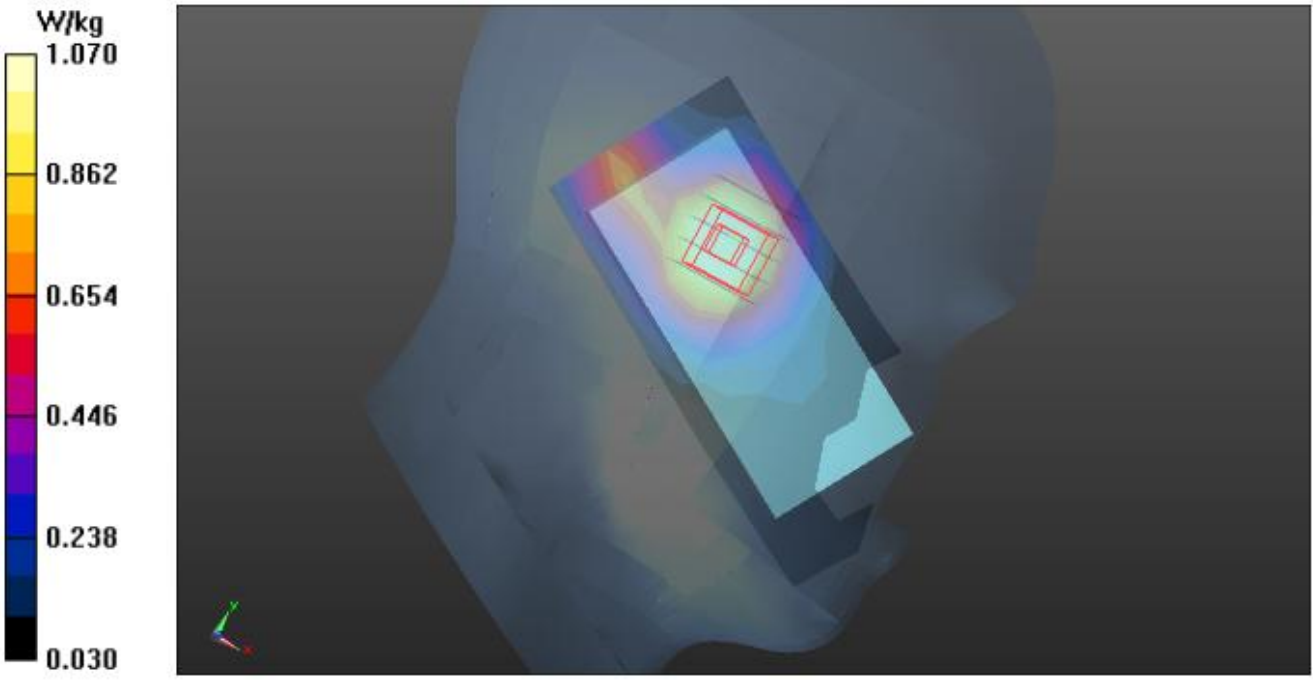


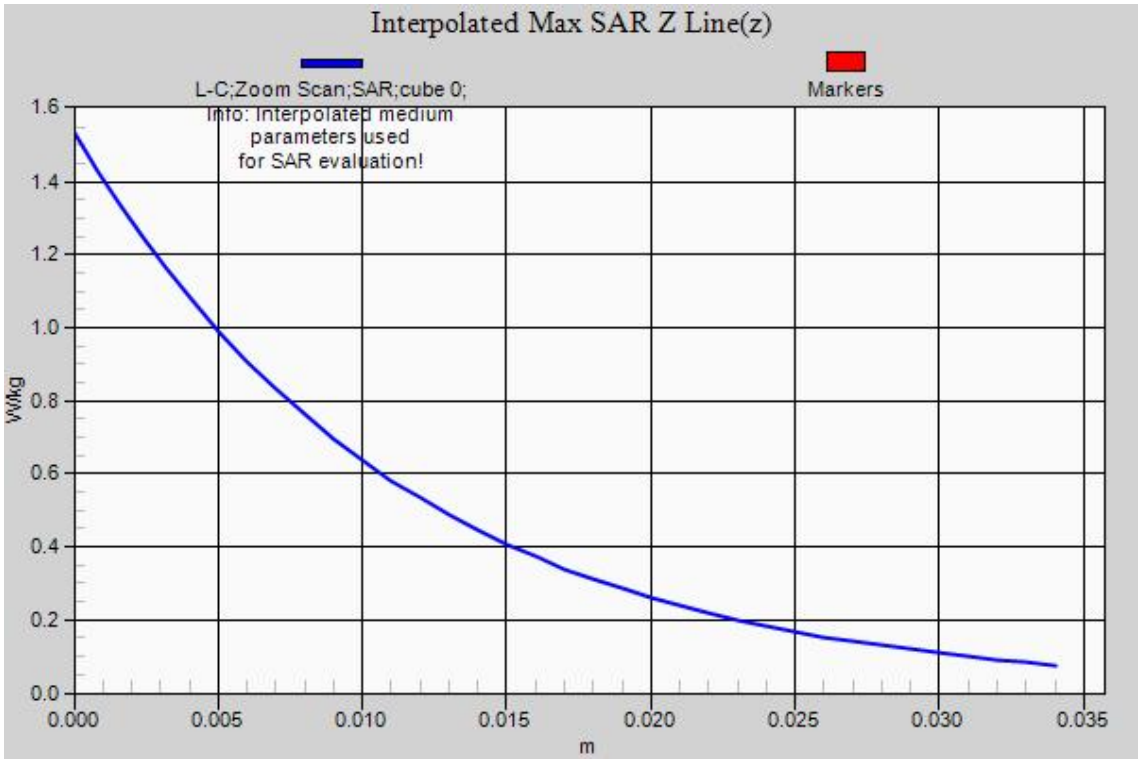
Test Laboratory: AGC Lab **Date: Jun. 19, 2025**
LTE Band 25 Mid-Touch-Left <SIM 1>
DUT: IP/POC Two Way Radio; Type: E8068

Communication System: LTE; Communication System Band: LTE Band 25; Duty Cycle: 1:1;
Frequency: 1882.5 MHz; Medium parameters used: f = 1900 MHz; σ=1.36 mho/m; εr =39.22; ρ= 1000 kg/m^3 ;
Phantom section: Left Section

DASY Configuration:
• Probe: EX3DV4 – SN:3953; ConvF(8.31, 8.31, 8.31); Calibrated: 2024-09-05;
• Sensor-Surface: 3mm (Mechanical Surface Detection), z = 1.0, 31.0
• Electronics: DAE4 SN1398; Calibrated: 2025-05-09
• Phantom: SAM (20deg probe tilt) with CRP v5.0; Type: QD000P40CD;
• DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

HEAD-L/L-C/Area Scan (7x14x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 1.23 W/kg
HEAD-L/L-C/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 19.37 V/m; Power Drift = 0.10 dB
Peak SAR (extrapolated) = 1.53 W/kg
SAR(1 g) = 1 W/kg; SAR(10 g) = 0.620 W/kg
Smallest distance from peaks to all points 3 dB below = 20.3 mm
Ratio of SAR at M2 to SAR at M1 = 64.1%
Maximum value of SAR (measured) = 1.07 W/kg



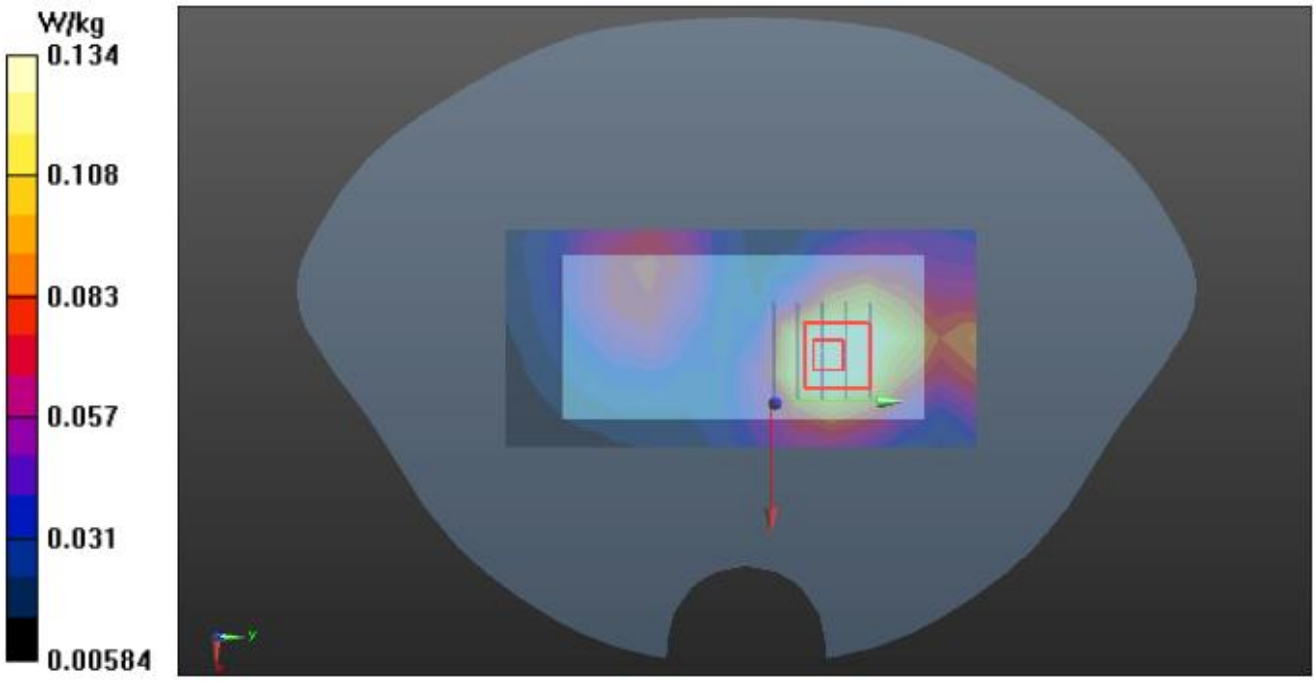


Test Laboratory: AGC Lab **Date: Jun. 19, 2025**
LTE Band 25 Mid-Body back touch with accessories (1 RB#0)
DUT: IP/POC Two Way Radio; Type: E8068

Communication System: LTE; Communication System Band: LTE Band 25; Duty Cycle: 1:1;
Frequency: 1882.5 MHz; Medium parameters used: f = 1900 MHz; σ=1.36 mho/m; εr =39.22; ρ= 1000 kg/m³ ;
Phantom section: Flat Section

DASY Configuration:
• Probe: EX3DV4 – SN:3953; ConvF(8.31, 8.31, 8.31); Calibrated: 2024-09-05;
• Sensor-Surface: 3mm (Mechanical Surface Detection), z = 1.0, 31.0
• Electronics: DAE4 SN1398; Calibrated: 2025-05-09
• Phantom: SAM (20deg probe tilt) with CRP v5.0; Type: QD000P40CD;
• DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

BODY/BACK+CLIP/Area Scan (7x14x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 0.148 W/kg
BODY/BACK+CLIP/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 4.584 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 0.199 W/kg
SAR(1 g) = 0.124 W/kg; SAR(10 g) = 0.079 W/kg
Smallest distance from peaks to all points 3 dB below = 15.1 mm
Ratio of SAR at M2 to SAR at M1 = 63.1%
Maximum value of SAR (measured) = 0.134 W/kg

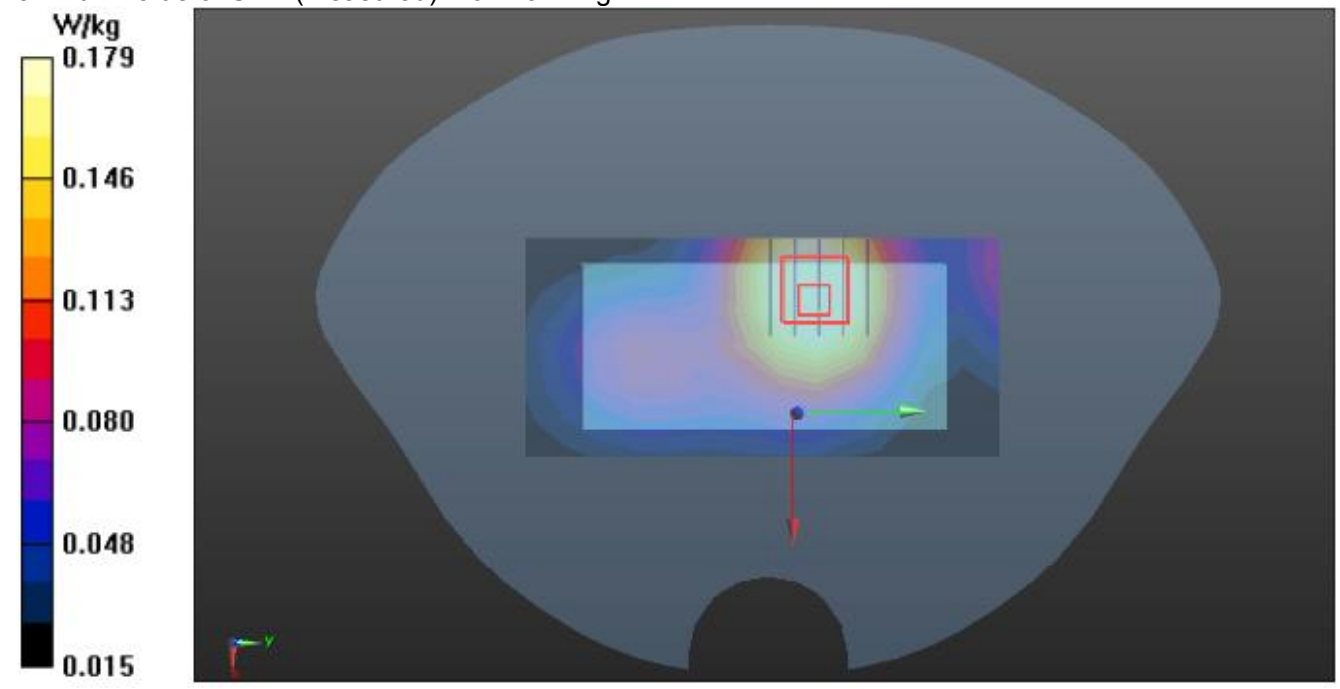


Test Laboratory: AGC Lab **Date: Jun. 19, 2025**
LTE Band 25 Mid- Face up (1 RB#0)
DUT: IP/POC Two Way Radio; Type: E8068

Communication System: LTE; Communication System Band: LTE Band 25; Duty Cycle: 1:1;
Frequency: 1882.5 MHz; Medium parameters used: f = 1900 MHz; σ=1.36 mho/m; εr =39.22; ρ= 1000 kg/m³ ;
Phantom section: Flat Section

DASY Configuration:
• Probe: EX3DV4 – SN:3953; ConvF(8.31, 8.31, 8.31); Calibrated: 2024-09-05;
• Sensor-Surface: 3mm (Mechanical Surface Detection), z = 1.0, 31.0
• Electronics: DAE4 SN1398; Calibrated: 2025-05-09
• Phantom: SAM (20deg probe tilt) with CRP v5.0; Type: QD000P40CD;
• DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

HOLD TOFACE/FACE UP-25MM 2/Area Scan (7x14x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 0.211 W/kg
HOLD TOFACE/FACE UP-25MM 2/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.128 V/m; Power Drift = 0.16 dB
Peak SAR (extrapolated) = 0.247 W/kg
SAR(1 g) = 0.167 W/kg; SAR(10 g) = 0.113 W/kg
Smallest distance from peaks to all points 3 dB below: Larger than measurement grid (> 16 mm)
Ratio of SAR at M2 to SAR at M1 = 66.9%
Maximum value of SAR (measured) = 0.179 W/kg

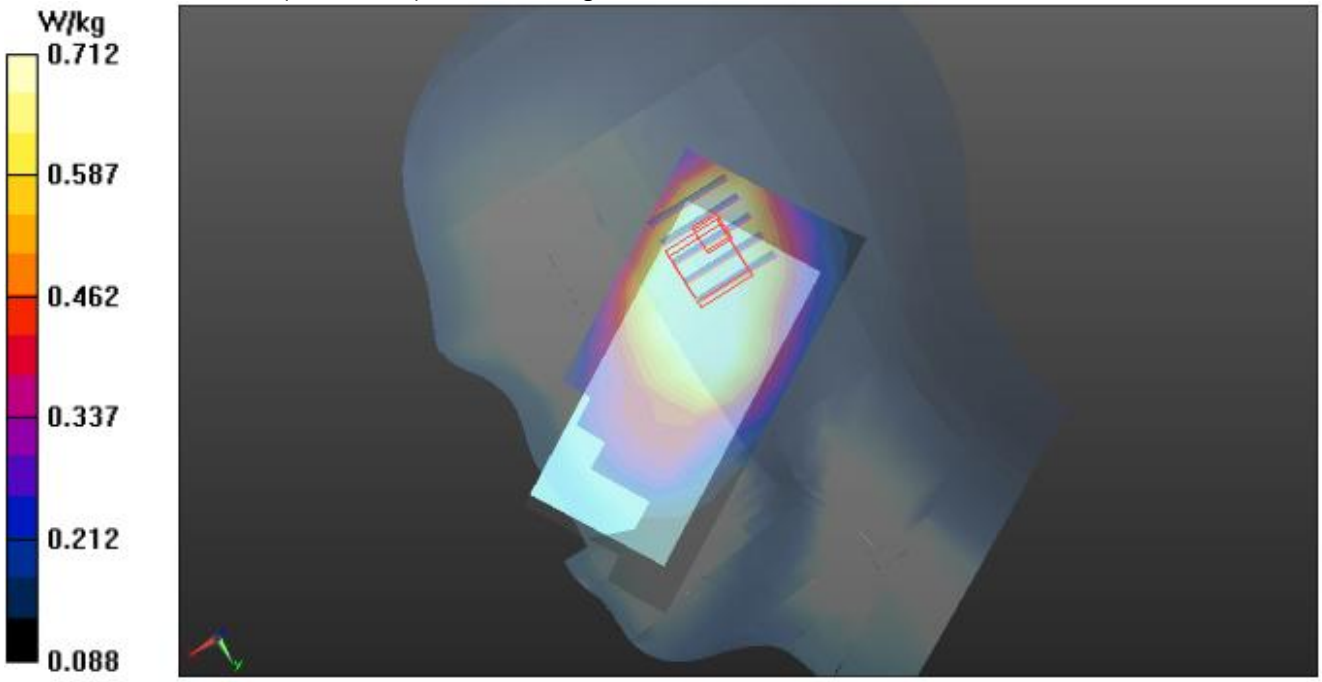


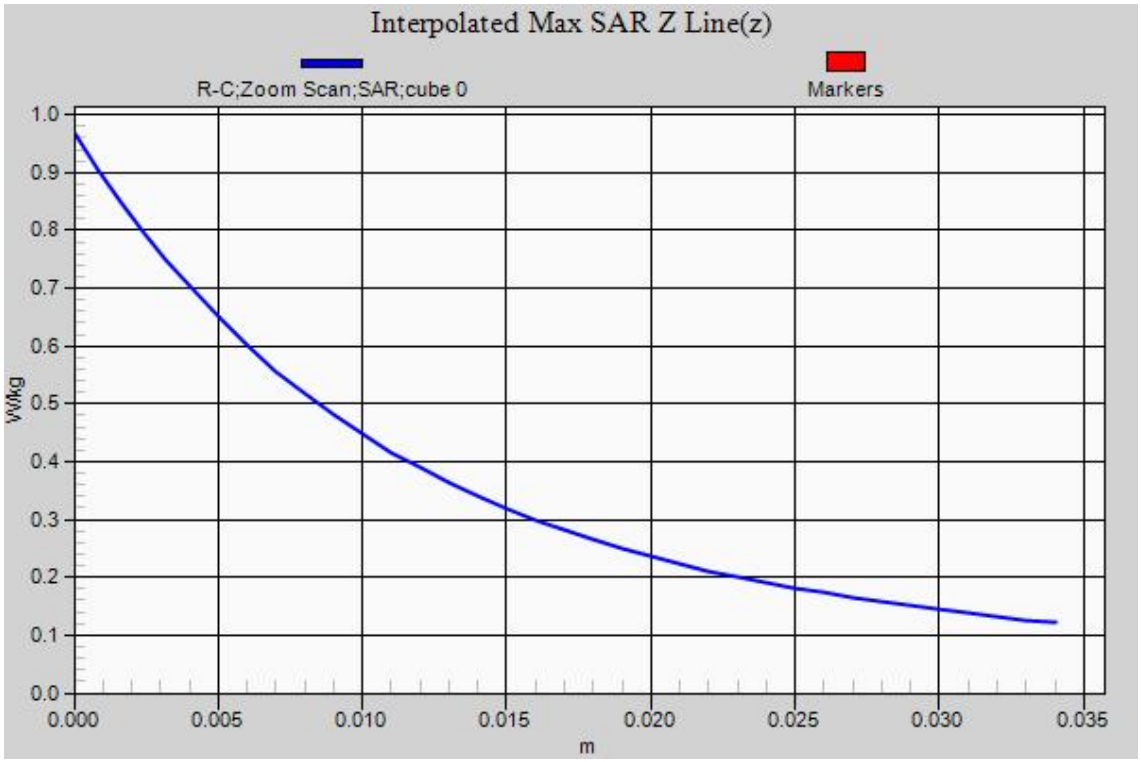
Test Laboratory: AGC Lab **Date: Jun. 18, 2025**
LTE Band 26a Mid-Touch- Right (1 RB#0)
DUT: IP/POC Two Way Radio; Type: E8068

Communication System: LTE; Communication System Band: LTE Band 26a; Duty Cycle:1:1;
Frequency: 836.5 MHz; Medium parameters used: f = 835 MHz; σ=0.92 mho/m; εr =40.68; ρ= 1000 kg/m³ ;
Phantom section: Left Section

DASY Configuration:
• Probe: EX3DV4 – SN:3953; ConvF(9.95, 9.95, 9.95); Calibrated: 2024-09-05;
• Sensor-Surface: 1.4mm (Mechanical Surface Detection), z = 1.0, 31.0
• Electronics: DAE4 SN1398; Calibrated: 2025-05-09
• Phantom: SAM (20deg probe tilt) with CRP v5.0; Type: QD000P40CD;
• DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

HEAD/R-C/Area Scan (7x14x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 0.825 W/kg
HEAD/R-C/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 28.43 V/m; Power Drift = -0.09 dB
Peak SAR (extrapolated) = 0.967 W/kg
SAR(1 g) = 0.665 W/kg; SAR(10 g) = 0.496 W/kg
Smallest distance from peaks to all points 3 dB below: Larger than measurement grid (> 16 mm)
Ratio of SAR at M2 to SAR at M1 = 79.6%
Maximum value of SAR (measured) = 0.712 W/kg



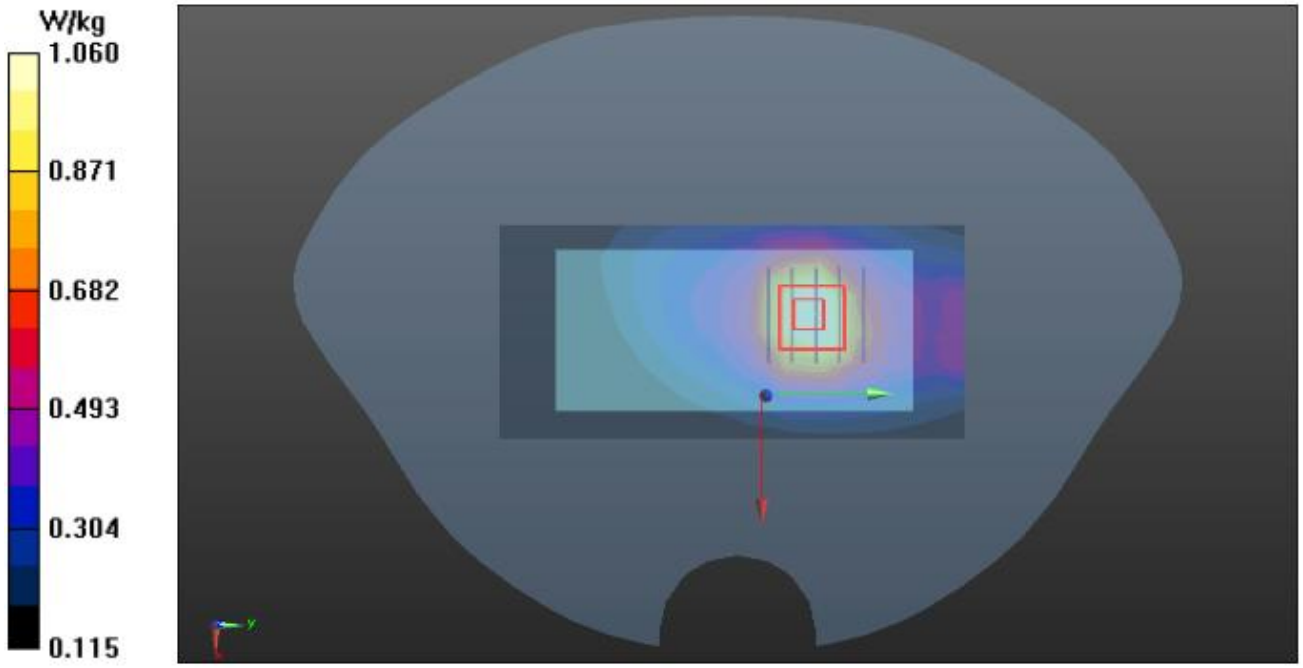


Test Laboratory: AGC Lab **Date: Jun. 18, 2025**
LTE Band 26a Mid- Body back touch with accessories (1 RB#0)
DUT: IP/POC Two Way Radio; Type: E8068

Communication System: LTE; Communication System Band: LTE Band 26a; Duty Cycle:1:1;
Frequency: 836.5 MHz; Medium parameters used: f = 835 MHz; σ=0.92 mho/m; εr =40.68; ρ= 1000 kg/m³ ;
Phantom section: Flat Section

DASY Configuration:
• Probe: EX3DV4 – SN:3953; ConvF(9.95, 9.95, 9.95); Calibrated: 2024-09-05;
• Sensor-Surface: 1.4mm (Mechanical Surface Detection), z = 1.0, 31.0
• Electronics: DAE4 SN1398; Calibrated: 2025-05-09
• Phantom: SAM (20deg probe tilt) with CRP v5.0; Type: QD000P40CD;
• DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

BODY/BACK+CLIP/Area Scan (7x14x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 1.20 W/kg
BODY/BACK+CLIP/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 23.06 V/m; Power Drift = 0.15 dB
Peak SAR (extrapolated) = 1.53 W/kg
SAR(1 g) = 0.990 W/kg; SAR(10 g) = 0.642 W/kg
Smallest distance from peaks to all points 3 dB below = 20.4 mm
Ratio of SAR at M2 to SAR at M1 = 68.2%
Maximum value of SAR (measured) = 1.06 W/kg

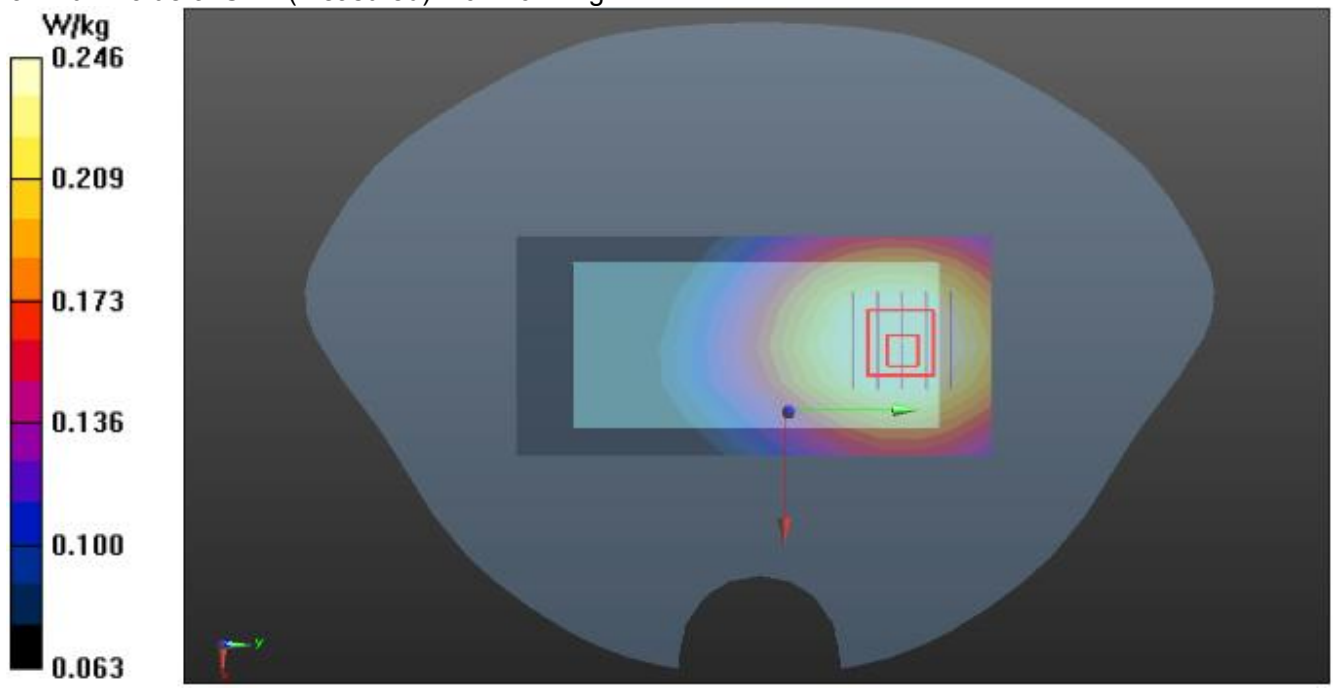


Test Laboratory: AGC Lab **Date: Jun. 18, 2025**
LTE Band 26a Mid- Face up (1 RB#0)
DUT: IP/POC Two Way Radio; Type: E8068

Communication System: LTE; Communication System Band: LTE Band 26a; Duty Cycle:1:1;
Frequency: 836.5 MHz; Medium parameters used: f = 835 MHz; σ=0.92 mho/m; εr =40.68; ρ= 1000 kg/m³ ;
Phantom section: Flat Section

DASY Configuration:
• Probe: EX3DV4 – SN:3953; ConvF(9.95, 9.95, 9.95); Calibrated: 2024-09-05;
• Sensor-Surface: 1.4mm (Mechanical Surface Detection), z = 1.0, 31.0
• Electronics: DAE4 SN1398; Calibrated: 2025-05-09
• Phantom: SAM (20deg probe tilt) with CRP v5.0; Type: QD000P40CD;
• DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

HOLD TOFACE/FACE UP-25MM/Area Scan (7x14x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 0.266 W/kg
HOLD TOFACE/FACE UP-25MM/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 13.69 V/m; Power Drift = -0.17 dB
Peak SAR (extrapolated) = 0.282 W/kg
SAR(1 g) = 0.239 W/kg; SAR(10 g) = 0.194 W/kg
Smallest distance from peaks to all points 3 dB below: Larger than measurement grid (> 16 mm)
Ratio of SAR at M2 to SAR at M1 = 84.1%
Maximum value of SAR (measured) = 0.246 W/kg

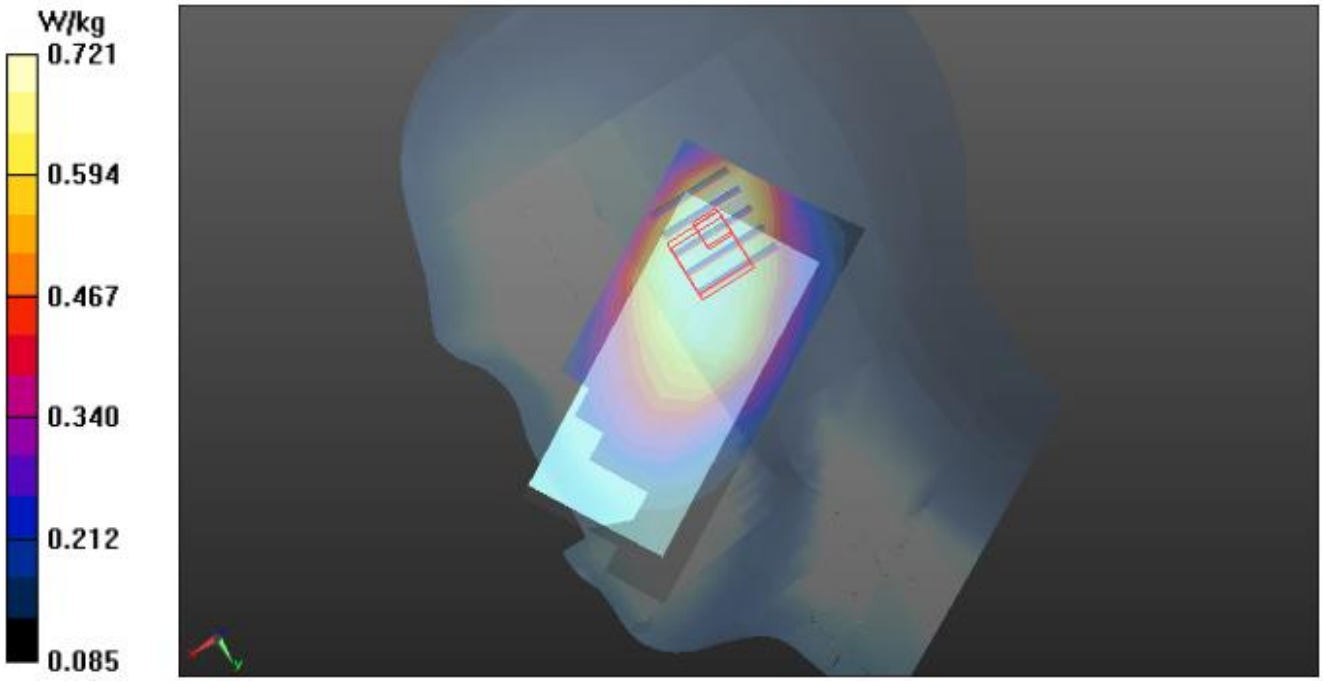


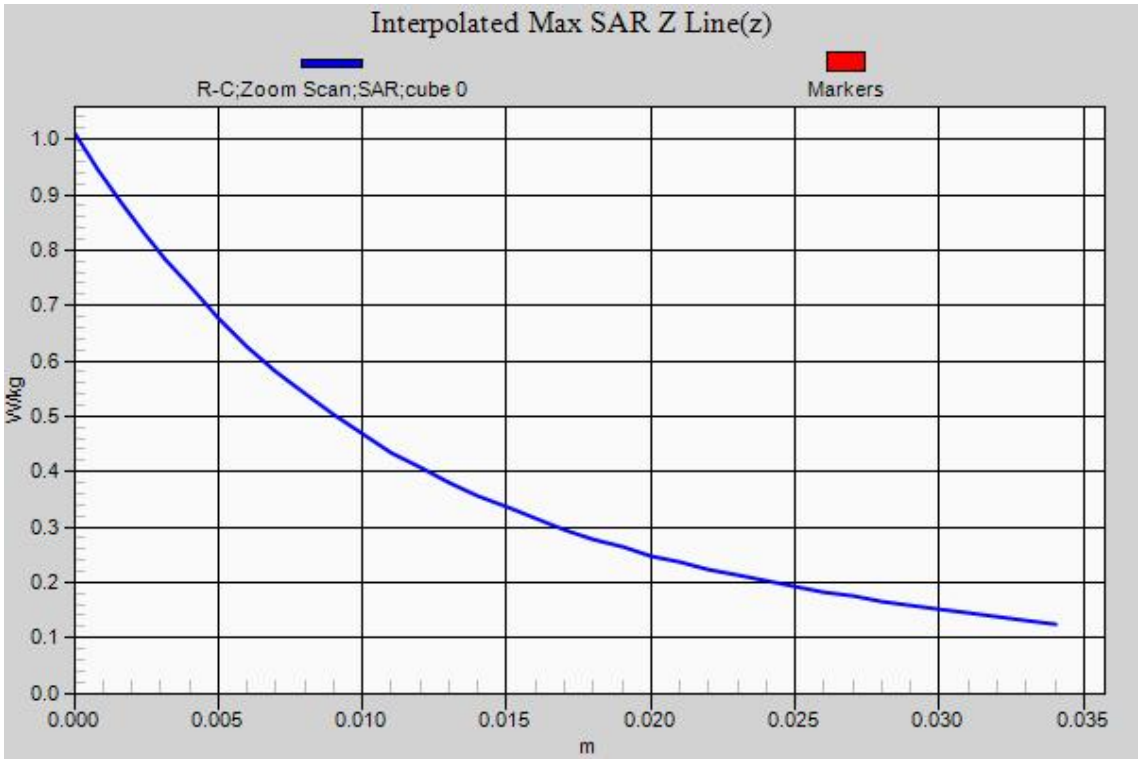
Test Laboratory: AGC Lab **Date: Jun. 18, 2025**
LTE Band 26b Mid-Touch- Right (1 RB#0)
DUT: IP/POC Two Way Radio; Type: E8068

Communication System: LTE; Communication System Band: LTE Band 26b; Duty Cycle:1:1;
Frequency: 819 MHz; Medium parameters used: f = 835 MHz; σ=0.87 mho/m; εr =41.76; ρ= 1000 kg/m³ ;
Phantom section: Left Section

DASY Configuration:
• Probe: EX3DV4 – SN:3953; ConvF(9.95, 9.95, 9.95); Calibrated: 2024-09-05;
• Sensor-Surface: 1.4mm (Mechanical Surface Detection), z = 1.0, 31.0
• Electronics: DAE4 SN1398; Calibrated: 2025-05-09
• Phantom: SAM (20deg probe tilt) with CRP v5.0; Type: QD000P40CD;
• DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

HEAD/R-C/Area Scan (7x14x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 0.836 W/kg
HEAD/R-C/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 28.52 V/m; Power Drift = -0.07 dB
Peak SAR (extrapolated) = 1.01 W/kg
SAR(1 g) = 0.691 W/kg; SAR(10 g) = 0.508 W/kg
Smallest distance from peaks to all points 3 dB below: Larger than measurement grid (> 16 mm)
Ratio of SAR at M2 to SAR at M1 = 73.5%
Maximum value of SAR (measured) = 0.721 W/kg



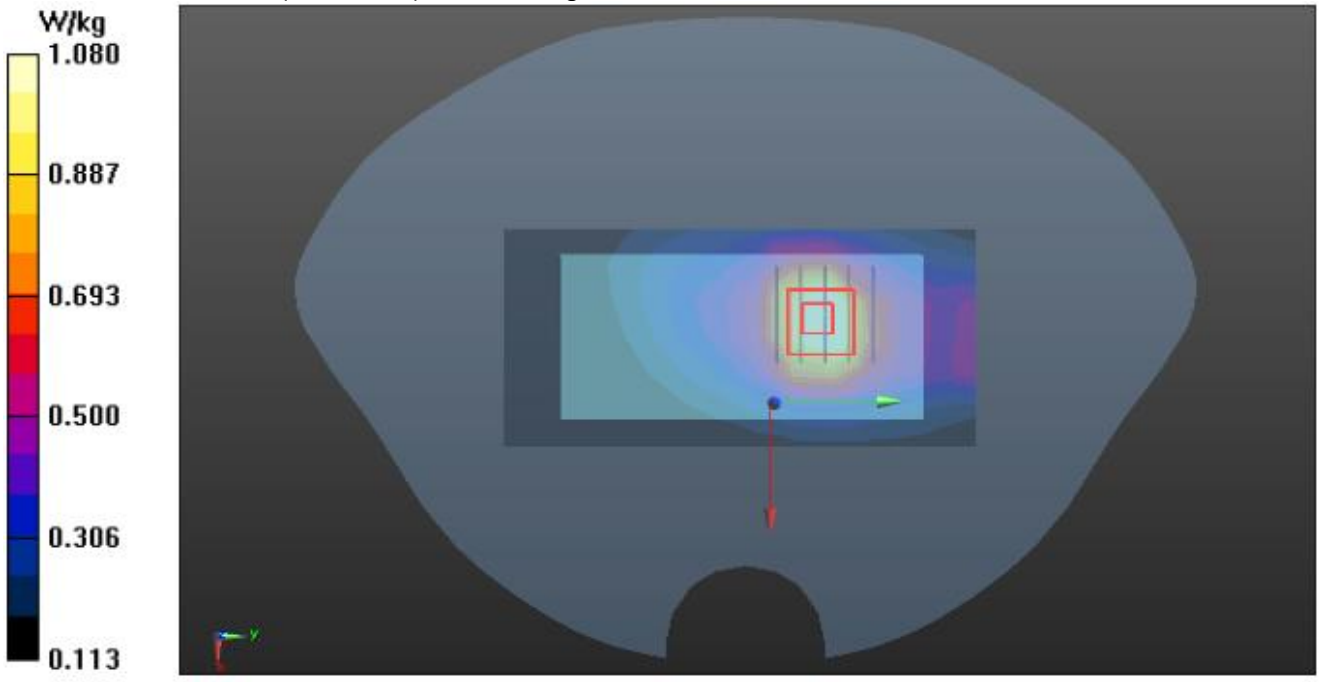


Test Laboratory: AGC Lab **Date: Jun. 18, 2025**
LTE Band 26b Mid- Body back touch with accessories (1 RB#0)
DUT: IP/POC Two Way Radio; Type: E8068

Communication System: LTE; Communication System Band: LTE Band 26b; Duty Cycle:1:1;
Frequency: 819 MHz; Medium parameters used: f = 835 MHz; σ=0.87 mho/m; εr =41.76; ρ= 1000 kg/m³ ;
Phantom section: Flat Section

DASY Configuration:
• Probe: EX3DV4 – SN:3953; ConvF(9.95, 9.95, 9.95); Calibrated: 2024-09-05;
• Sensor-Surface: 1.4mm (Mechanical Surface Detection), z = 1.0, 31.0
• Electronics: DAE4 SN1398; Calibrated: 2025-05-09
• Phantom: SAM (20deg probe tilt) with CRP v5.0; Type: QD000P40CD;
• DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

BODY/BACK+CLIP/Area Scan (7x14x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 1.18 W/kg
BODY/BACK+CLIP/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 23.21 V/m; Power Drift = 0.11 dB
Peak SAR (extrapolated) = 1.58 W/kg
SAR(1 g) = 0.996 W/kg; SAR(10 g) = 0.643 W/kg
Smallest distance from peaks to all points 3 dB below = 19.3 mm
Ratio of SAR at M2 to SAR at M1 = 66.6%
Maximum value of SAR (measured) = 1.08 W/kg

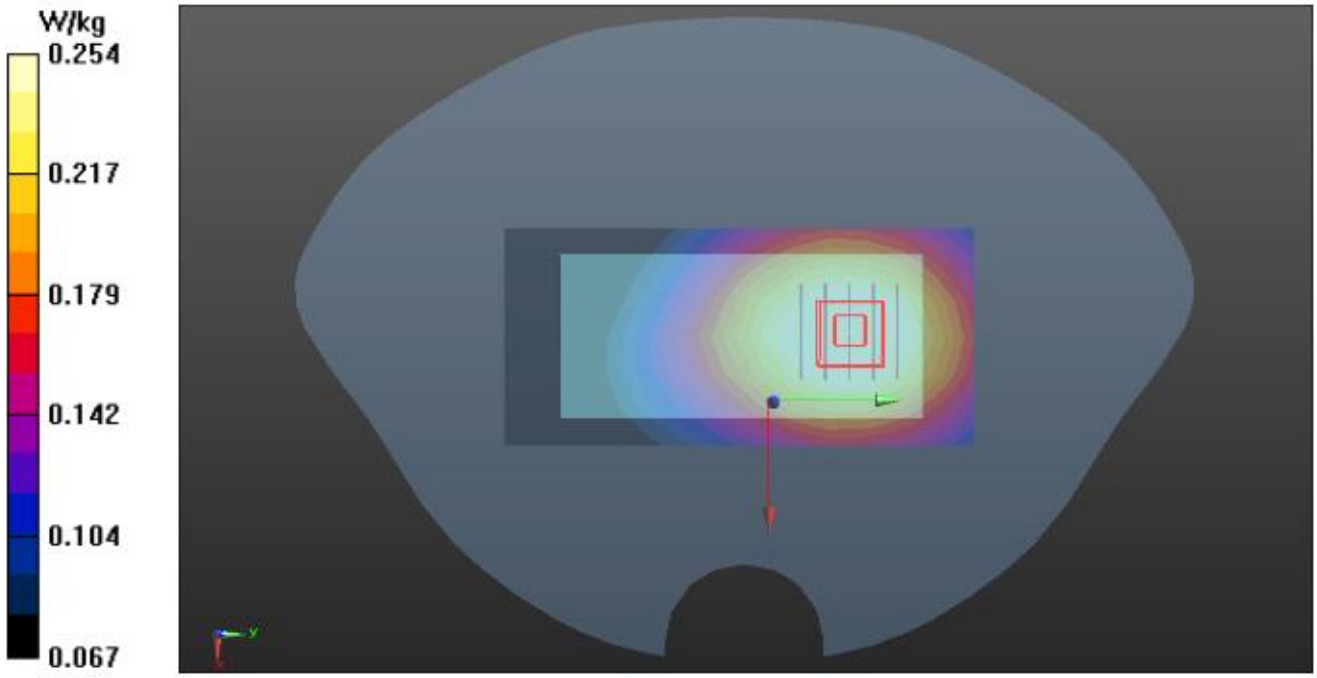


Test Laboratory: AGC Lab **Date: Jun. 18, 2025**
LTE Band 26b Mid- Face up (1 RB#0)
DUT: IP/POC Two Way Radio; Type: E8068

Communication System: LTE; Communication System Band: LTE Band 26b; Duty Cycle:1:1;
Frequency: 819 MHz; Medium parameters used: f = 835 MHz; σ=0.87 mho/m; εr =41.76; ρ= 1000 kg/m³ ;
Phantom section: Flat Section

DASY Configuration:
• Probe: EX3DV4 – SN:3953; ConvF(9.95, 9.95, 9.95); Calibrated: 2024-09-05;
• Sensor-Surface: 1.4mm (Mechanical Surface Detection), z = 1.0, 31.0
• Electronics: DAE4 SN1398; Calibrated: 2025-05-09
• Phantom: SAM (20deg probe tilt) with CRP v5.0; Type: QD000P40CD;
• DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

HOLD TOFACE/FACE UP-25MM/Area Scan (7x14x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 0.277 W/kg
HOLD TOFACE/FACE UP-25MM/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 15.76 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 0.288 W/kg
SAR(1 g) = 0.245 W/kg; SAR(10 g) = 0.201 W/kg
Smallest distance from peaks to all points 3 dB below: Larger than measurement grid (> 16 mm)
Ratio of SAR at M2 to SAR at M1 = 84.2%
Maximum value of SAR (measured) = 0.254 W/kg

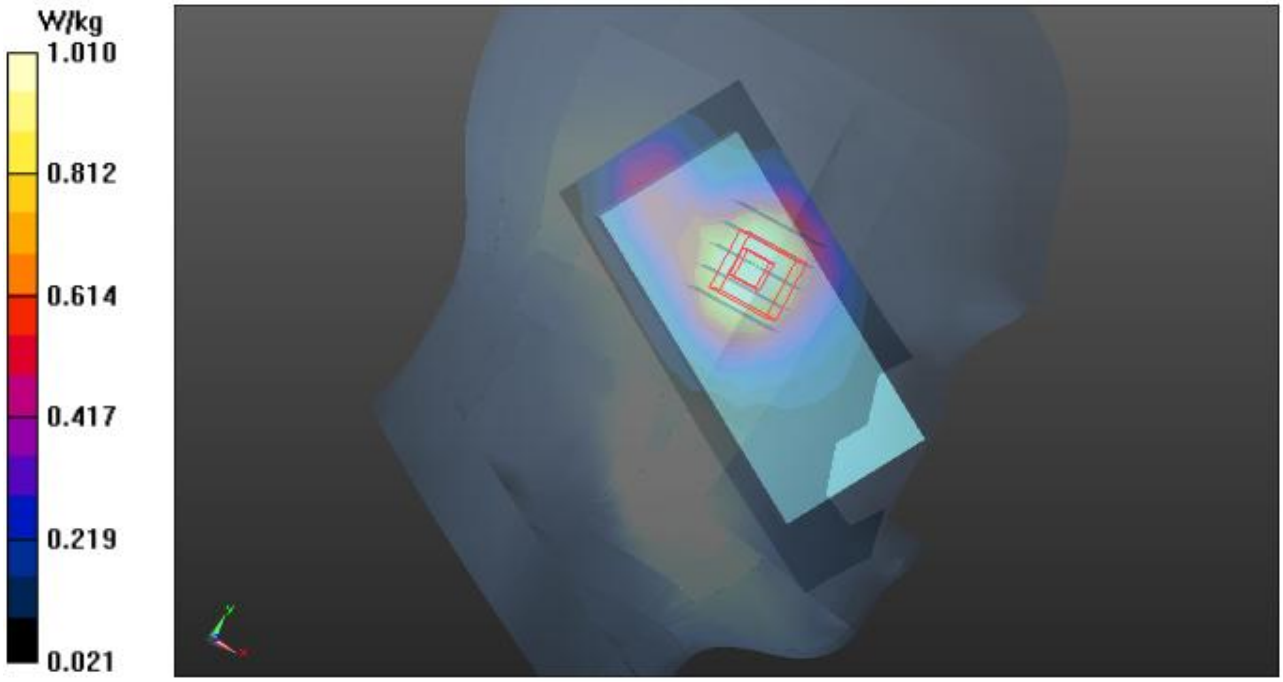


Repeated SAR
Test Laboratory: AGC Lab **Date: Jun. 19, 2025**
WCDMA Band II High-Touch-Left
DUT: IP/POC Two Way Radio; Type: E8068

Communication System: UMTS; Communication System Band: Band II UTRA/FDD ;Duty Cycle:1:1;
Frequency: 1907.6 MHz; Medium parameters used: f = 1900 MHz; σ= 1.40 mho/m; ε_r =38.31; ρ= 1000 kg/m^3 ;
Phantom section: Left Section

DASY Configuration:
• Probe: EX3DV4 – SN:3953; ConvF(8.31, 8.31, 8.31); Calibrated: 2024-09-05;
• Sensor-Surface: 3mm (Mechanical Surface Detection), z = 1.0, 31.0
• Electronics: DAE4 SN1398; Calibrated: 2025-05-09
• Phantom: SAM (20deg probe tilt) with CRP v5.0; Type: QD000P40CD;
• DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

HEAD-L/L-C HIGH REPEAT/Area Scan (7x14x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 1.13 W/kg
HEAD-L/L-C HIGH REPEAT/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 16.96 V/m; Power Drift = 0.16 dB
Peak SAR (extrapolated) = 1.46 W/kg
SAR(1 g) = 0.930 W/kg; SAR(10 g) = 0.563 W/kg
Smallest distance from peaks to all points 3 dB below = 17.3 mm
Ratio of SAR at M2 to SAR at M1 = 62.7%
Maximum value of SAR (measured) = 1.01 W/kg

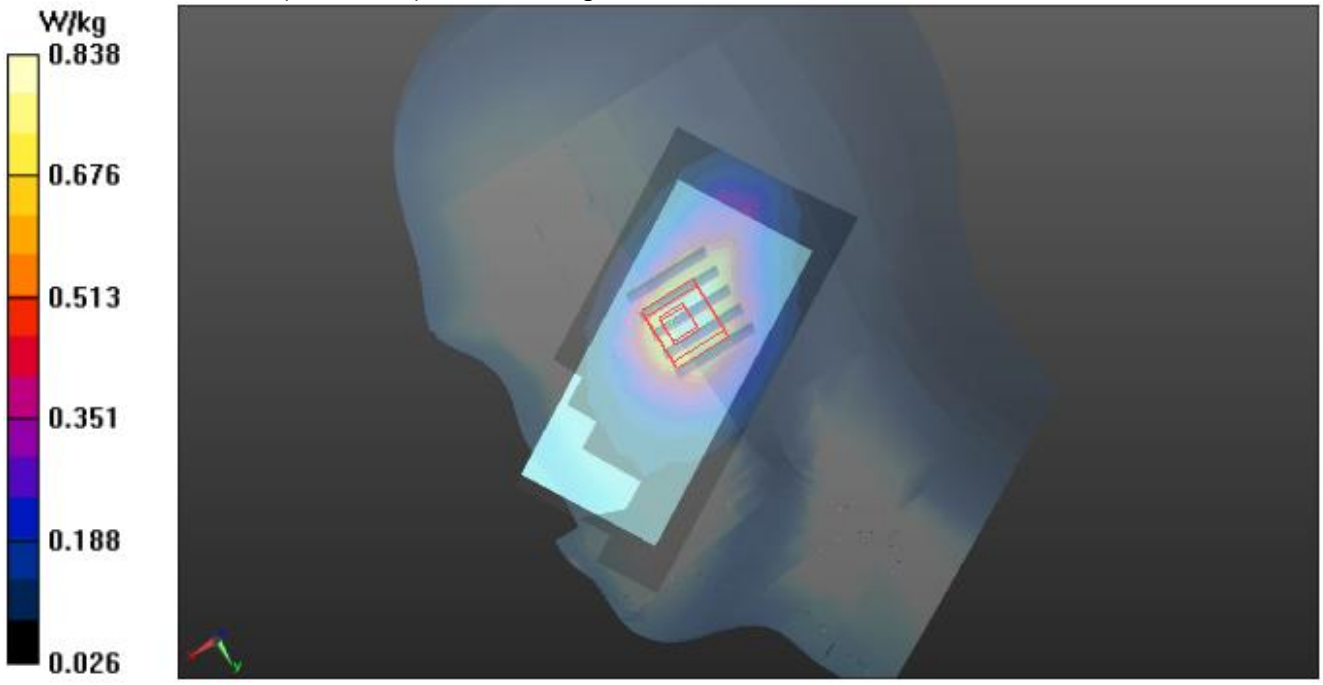


Test Laboratory: AGC Lab **Date: Jun. 20, 2025**
WCDMA Band IV High-Touch-Right
DUT: IP/POC Two Way Radio; Type: E8068

Communication System: UMTS; Communication System Band: BAND IV UTRA/FDD;Duty Cycle:1:1;
Frequency: 1752.6 MHz; Medium parameters used: f = 1800 MHz; σ= 1.39 mho/m; εr =38.79; ρ= 1000 kg/m³ ;
Phantom section: Left Section

DASY Configuration:
• Probe: EX3DV4 – SN:3953; ConvF(8.61, 8.61, 8.61); Calibrated: 2024-09-05;
• Sensor-Surface: 3mm (Mechanical Surface Detection), z = 1.0, 31.0
• Electronics: DAE4 SN1398; Calibrated: 2025-05-09
• Phantom: SAM (20deg probe tilt) with CRP v5.0; Type: QD000P40CD;
• DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

HEAD/R-C HIGH REPEAT/Area Scan (7x14x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 0.962 W/kg
HEAD/R-C HIGH REPEAT/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 16.99 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 1.25 W/kg
SAR(1 g) = 0.754 W/kg; SAR(10 g) = 0.440 W/kg
Smallest distance from peaks to all points 3 dB below = 13.8 mm
Ratio of SAR at M2 to SAR at M1 = 62.6%
Maximum value of SAR (measured) = 0.838 W/kg

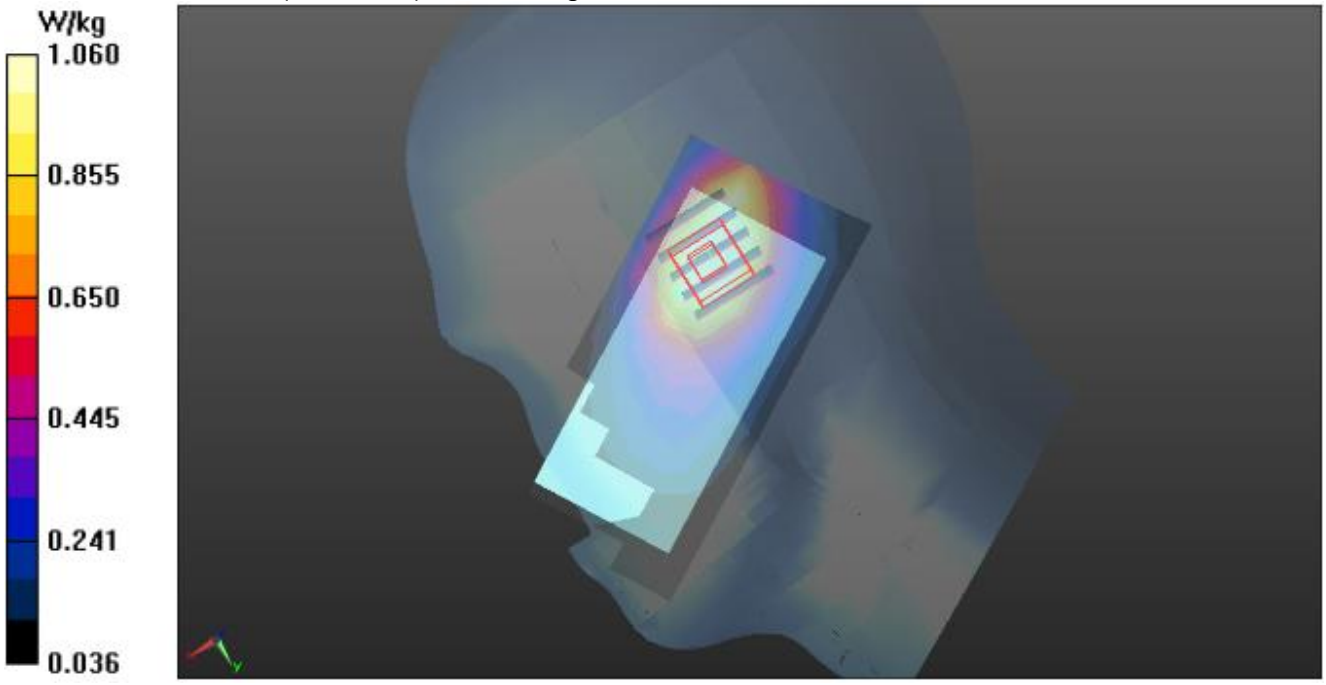


Test Laboratory: AGC Lab **Date: Jun. 19, 2025**
LTE Band 2 High-Touch-Right <SIM 1>
DUT: IP/POC Two Way Radio; Type: E8068

Communication System: LTE; Communication System Band: LTE Band 2; Duty Cycle: 1:1;
Frequency: 1900 MHz; Medium parameters used: f = 1900 MHz; σ= 1.37 mho/m; εr =38.64; ρ= 1000 kg/m^3 ;
Phantom section: Left Section

DASY Configuration:
• Probe: EX3DV4 – SN:3953; ConvF(8.31, 8.31, 8.31); Calibrated: 2024-09-05;
• Sensor-Surface: 3mm (Mechanical Surface Detection), z = 1.0, 31.0
• Electronics: DAE4 SN1398; Calibrated: 2025-05-09
• Phantom: SAM (20deg probe tilt) with CRP v5.0; Type: QD000P40CD;
• DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

HEAD/R-C HIGH REPEAT/Area Scan (7x14x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 1.24 W/kg
HEAD/R-C HIGH REPEAT/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 24.72 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 1.49 W/kg
SAR(1 g) = 0.970 W/kg; SAR(10 g) = 0.604 W/kg
Smallest distance from peaks to all points 3 dB below = 17.4 mm
Ratio of SAR at M2 to SAR at M1 = 64.5%
Maximum value of SAR (measured) = 1.06 W/kg

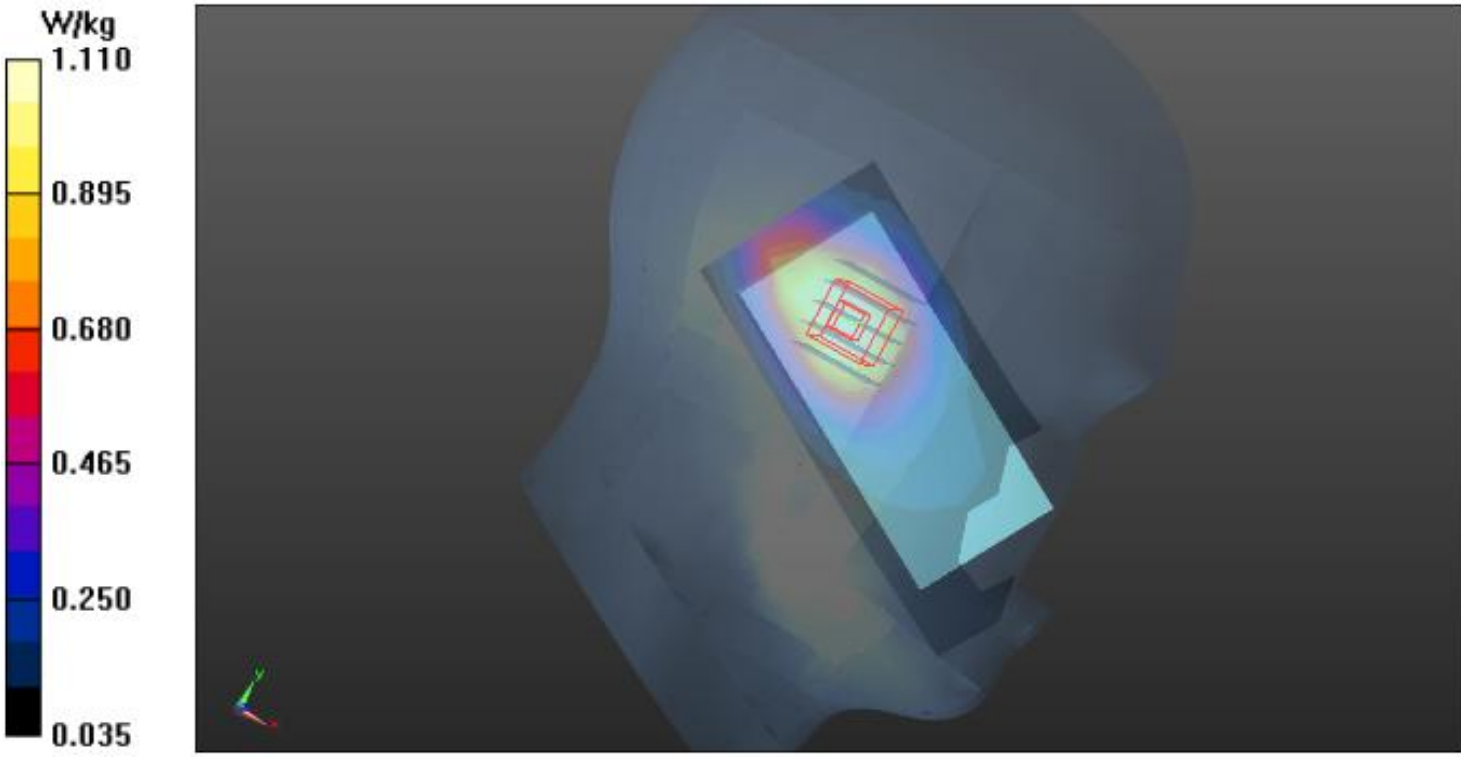


Test Laboratory: AGC Lab **Date: Jun. 20, 2025**
LTE Band 4 High-Touch-Left (1 RB#0)
DUT: IP/POC Two Way Radio; Type: E8068

Communication System: LTE; Communication System Band: LTE Band 4; Duty Cycle:1:1;
Frequency:1745 MHz; Medium parameters used: f =1750 MHz; σ= 1.35 mho/m; εr =40.36; ρ= 1000 kg/m³ ;
Phantom section: Left Section

DASY Configuration:
• Probe: EX3DV4 – SN:3953; ConvF(8.61, 8.61, 8.61); Calibrated: 2024-09-05;
• Sensor-Surface: 3mm (Mechanical Surface Detection), z = 1.0, 31.0
• Electronics: DAE4 SN1398; Calibrated: 2025-05-09
• Phantom: SAM (20deg probe tilt) with CRP v5.0; Type: QD000P40CD;
• DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

HEAD-L/L-C HIGH REPEAT/Area Scan (7x14x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 1.23 W/kg
HEAD-L/L-C HIGH REPEAT/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 26.25 V/m; Power Drift = 0.12 dB
Peak SAR (extrapolated) = 1.56 W/kg
SAR(1 g) = 1.02 W/kg; SAR(10 g) = 0.634 W/kg
Smallest distance from peaks to all points 3 dB below = 19.4 mm
Ratio of SAR at M2 to SAR at M1 = 64.4%
Maximum value of SAR (measured) = 1.11 W/kg

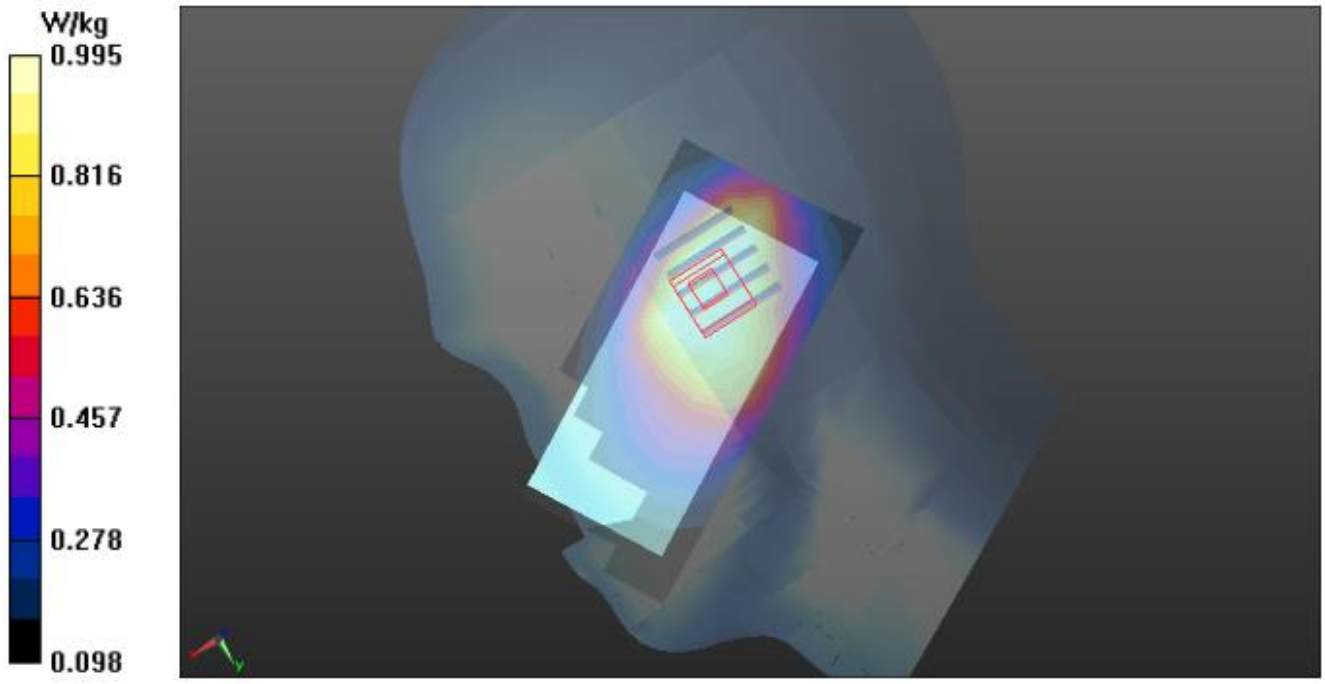


Test Laboratory: AGC Lab **Date: Jun. 18, 2025**
LTE Band 5 Mid-Touch-Right(1 RB#0)
DUT: IP/POC Two Way Radio; Type: E8068

Communication System: LTE; Communication System Band: LTE Band 5; Duty Cycle:1:1;
Frequency: 836.5 MHz; Medium parameters used: f = 835 MHz; σ=0.92 mho/m; εr =40.68; ρ= 1000 kg/m³ ;
Phantom section: Left Section

DASY Configuration:
• Probe: EX3DV4 – SN:3953; ConvF(9.95, 9.95, 9.95); Calibrated: 2024-09-05;
• Sensor-Surface: 1.4mm (Mechanical Surface Detection), z = 1.0, 31.0
• Electronics: DAE4 SN1398; Calibrated: 2025-05-09
• Phantom: SAM (20deg probe tilt) with CRP v5.0; Type: QD000P40CD;
• DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

HEAD/R-C-REPEAT/Area Scan (7x14x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 1.19 W/kg
HEAD/R-C-REPEAT/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 33.74 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 1.37 W/kg
SAR(1 g) = 0.938 W/kg; SAR(10 g) = 0.659 W/kg
Smallest distance from peaks to all points 3 dB below = 19.5 mm
Ratio of SAR at M2 to SAR at M1 = 70.1%
Maximum value of SAR (measured) = 0.995 W/kg

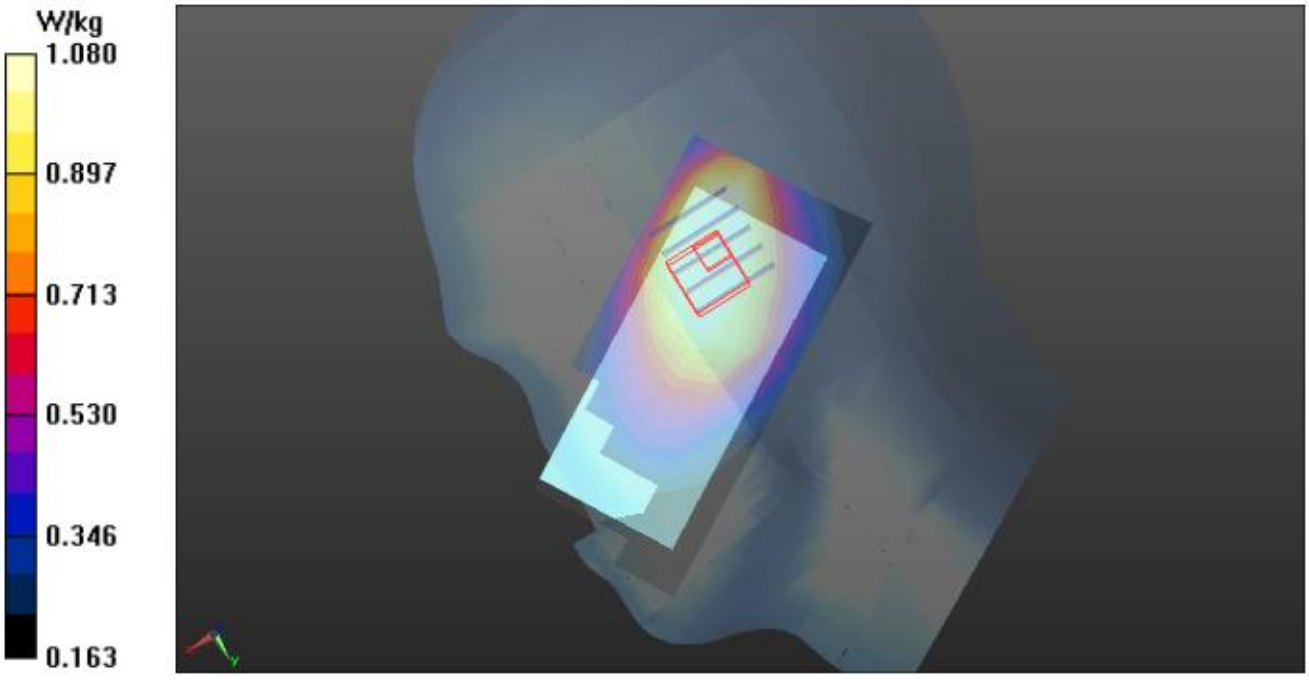


Test Laboratory: AGC Lab **Date: Jun. 17, 2025**
LTE Band 13 Mid-Touch- Right (1 RB#0)
DUT: IP/POC Two Way Radio; Type: E8068

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 =40.32; ρ= 1000 kg/m^3 ;
Phantom section: Left Section

DASY Configuration:
• Probe: EX3DV4 – SN:3953; ConvF(10.38, 10.38, 10.38); Calibrated: 2024-09-05;
• Sensor-Surface: 1.4mm (Mechanical Surface Detection), z = 1.0, 31.0
• Electronics: DAE4 SN1398; Calibrated: 2025-05-09
• Phantom: SAM (20deg probe tilt) with CRP v5.0; Type: QD000P40CD;
• DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

HEAD/R-C REPEAT/Area Scan (7x14x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 1.26 W/kg
HEAD/R-C REPEAT/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 31.81 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 1.38 W/kg
SAR(1 g) = 1.02 W/kg; SAR(10 g) = 0.772 W/kg
Smallest distance from peaks to all points 3 dB below: Larger than measurement grid (> 16 mm)
Ratio of SAR at M2 to SAR at M1 = 75.2%
Maximum value of SAR (measured) = 1.08 W/kg

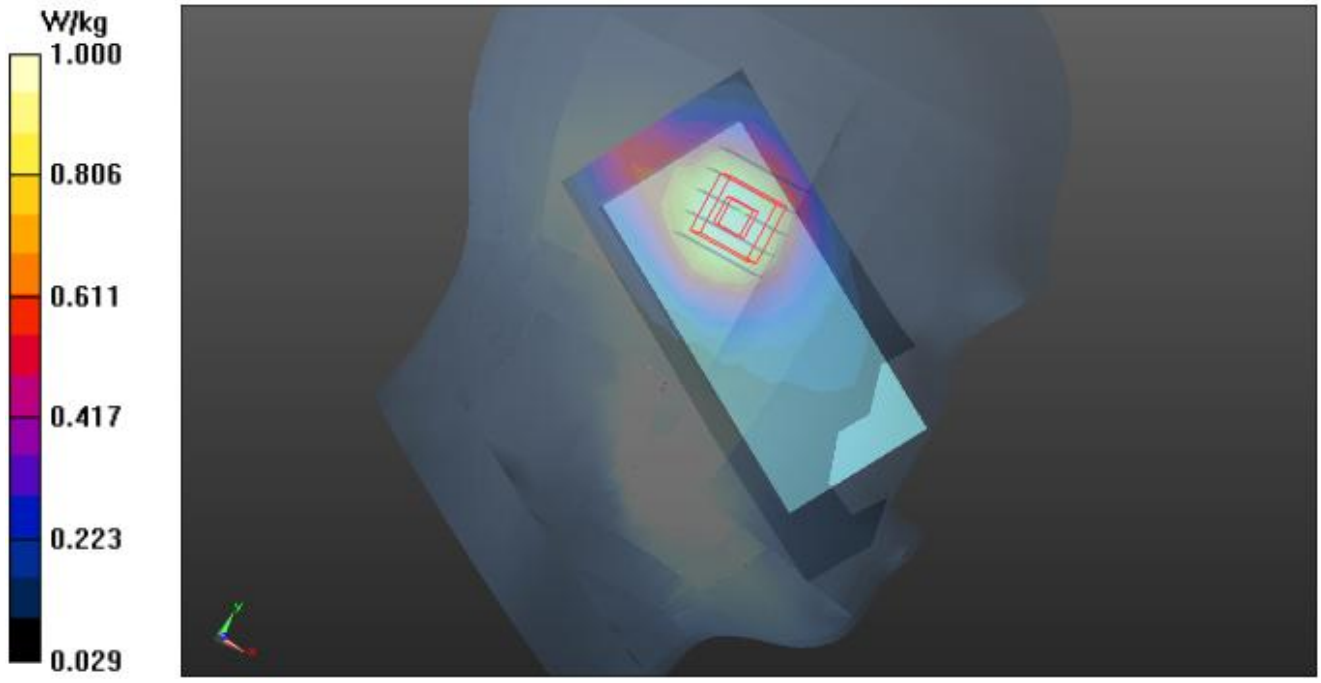


Test Laboratory: AGC Lab **Date: Jun. 19, 2025**
LTE Band 25 Mid-Touch-Left <SIM 1>
DUT: IP/POC Two Way Radio; Type: E8068

Communication System: LTE; Communication System Band: LTE Band 25; Duty Cycle: 1:1;
Frequency: 1882.5 MHz; Medium parameters used: f = 1900 MHz; σ=1.36 mho/m; εr =39.22; ρ= 1000 kg/m³ ;
Phantom section: Left Section

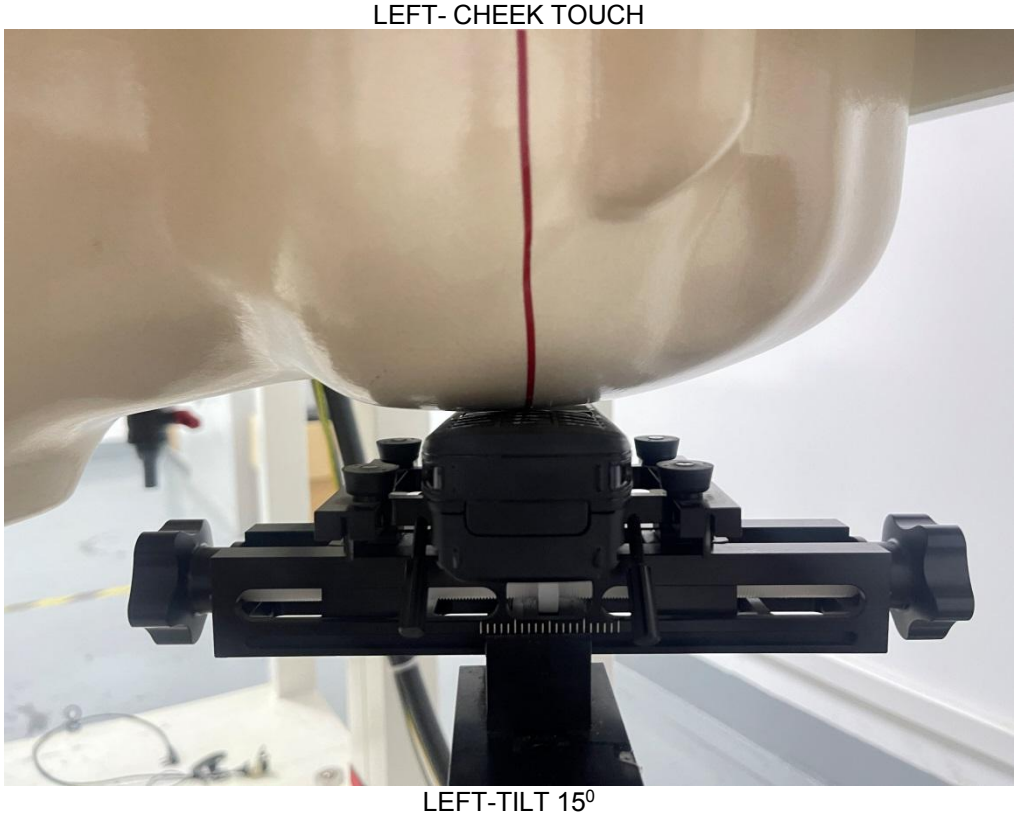
DASY Configuration:
• Probe: EX3DV4 – SN:3953; ConvF(8.31, 8.31, 8.31); Calibrated: 2024-09-05;
• Sensor-Surface: 3mm (Mechanical Surface Detection), z = 1.0, 31.0
• Electronics: DAE4 SN1398; Calibrated: 2025-05-09
• Phantom: SAM (20deg probe tilt) with CRP v5.0; Type: QD000P40CD;
• DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

HEAD-L/L-C REPEAT/Area Scan (7x14x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 1.13 W/kg
HEAD-L/L-C REPEAT/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 22.46 V/m; Power Drift = 0.10 dB
Peak SAR (extrapolated) = 1.38 W/kg
SAR(1 g) = 0.931 W/kg; SAR(10 g) = 0.580 W/kg
Smallest distance from peaks to all points 3 dB below = 20.2 mm
Ratio of SAR at M2 to SAR at M1 = 66.5%
Maximum value of SAR (measured) = 1.00 W/kg

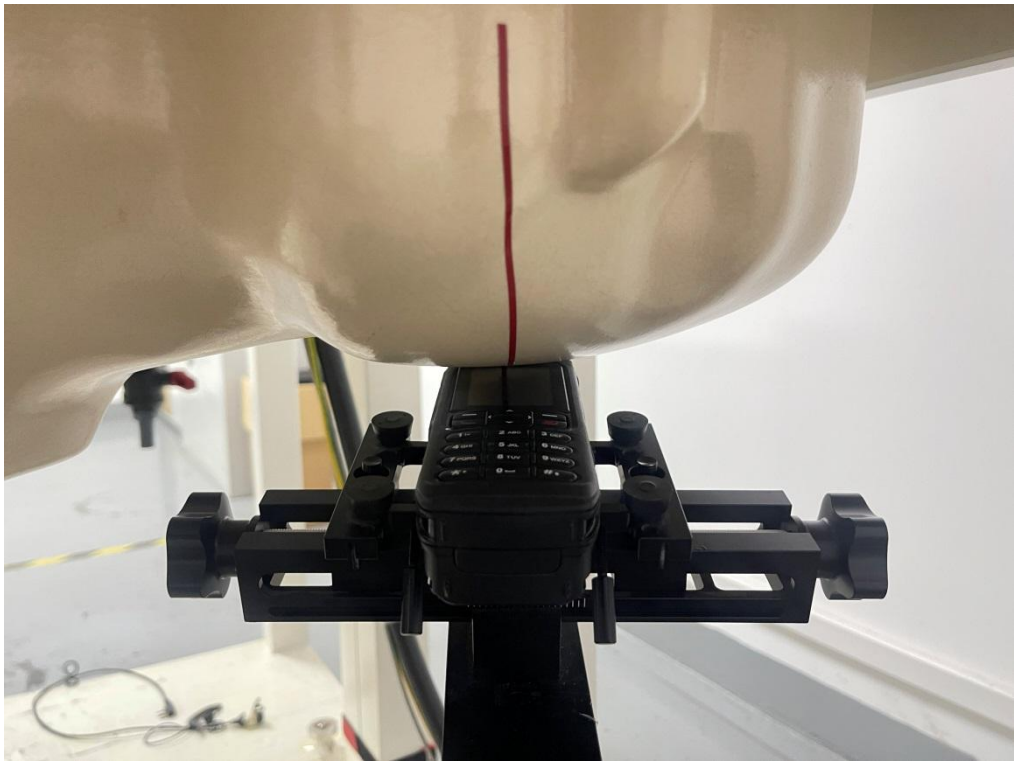


APPENDIX C. TEST SETUP PHOTOGRAPHS

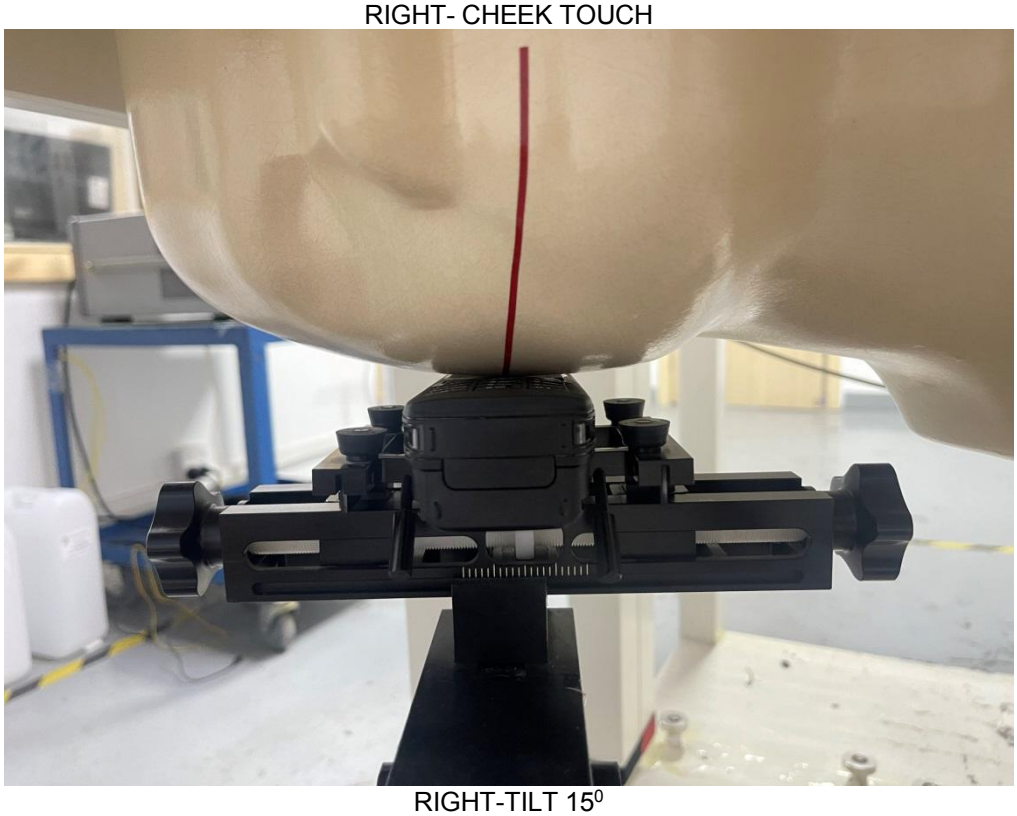
LEFT- CHEEK TOUCH



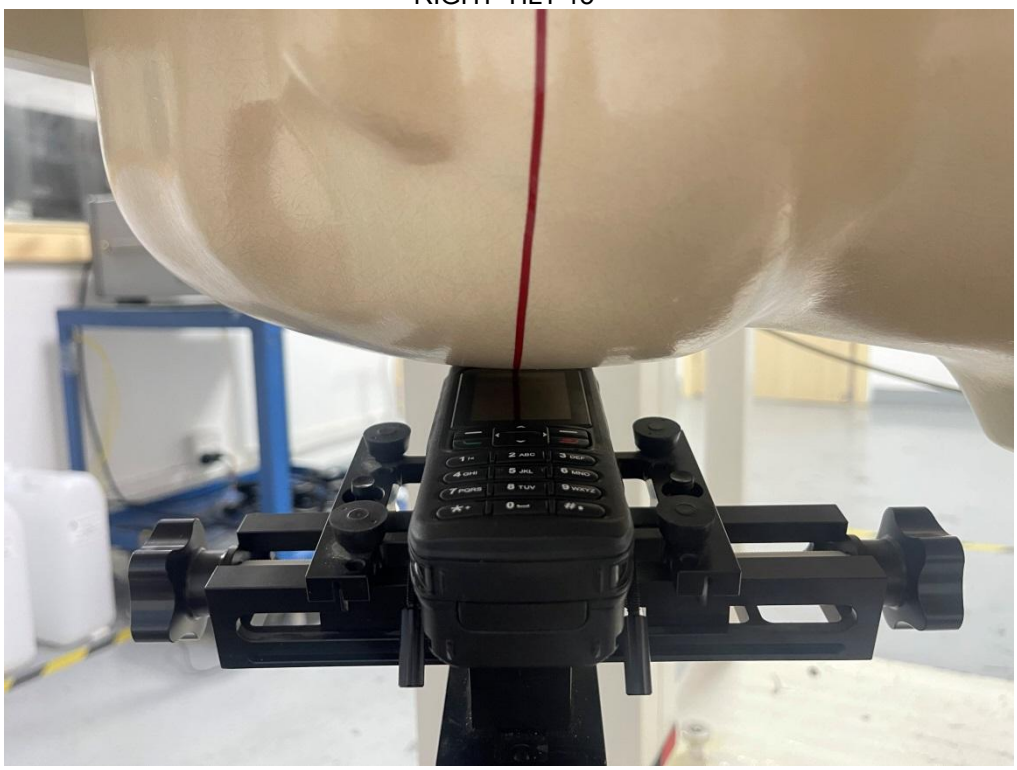
LEFT-TILT 15^0



RIGHT- CHEEK TOUCH

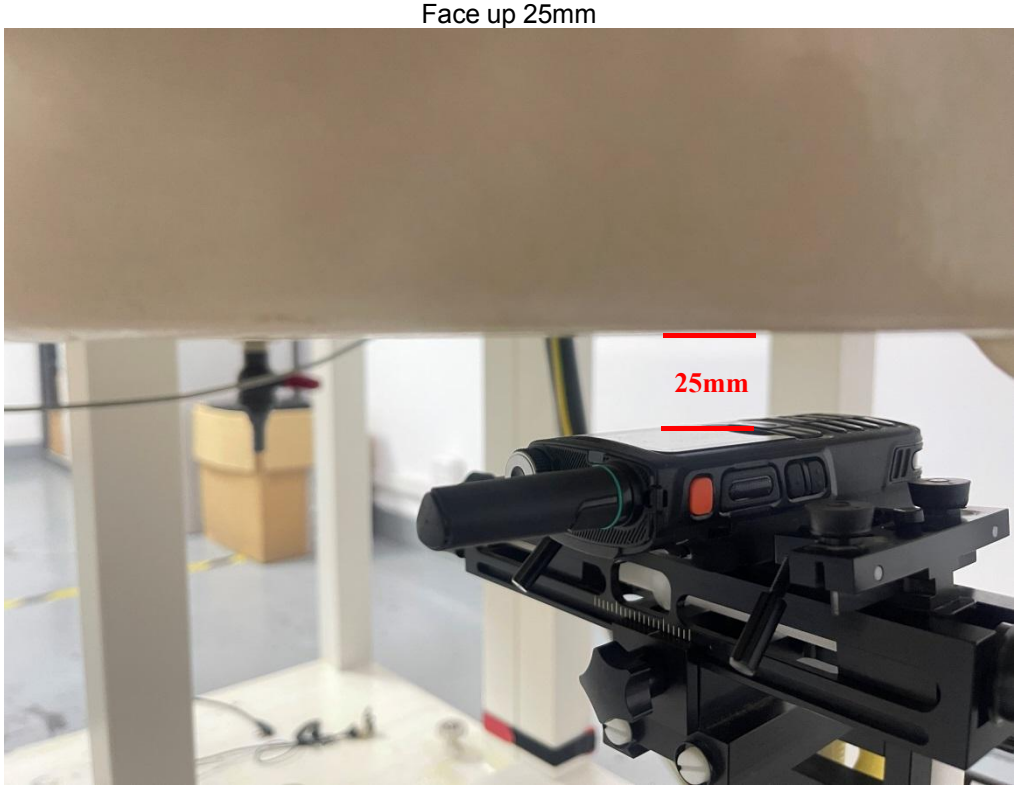


RIGHT-TILT 15^0



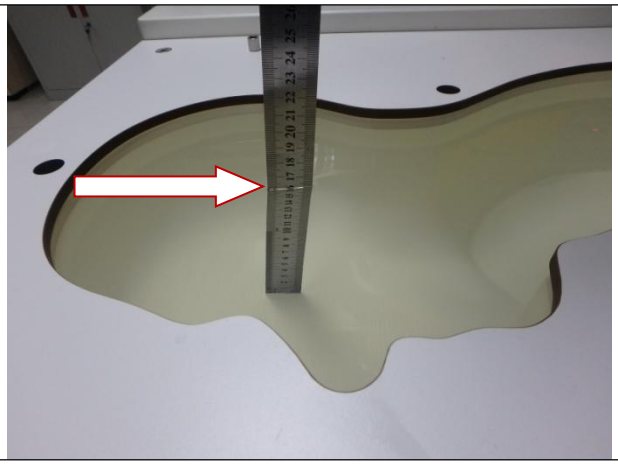
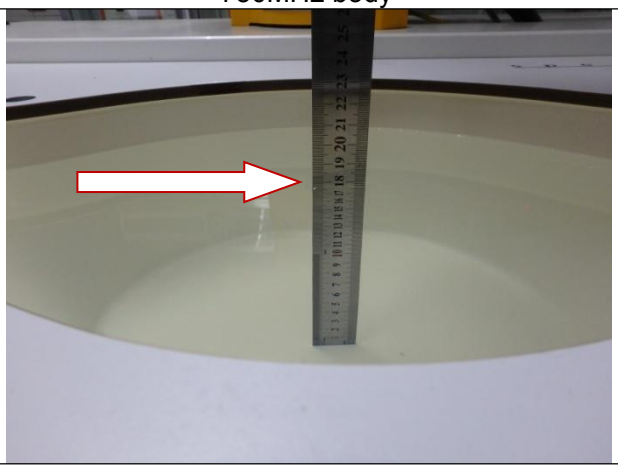
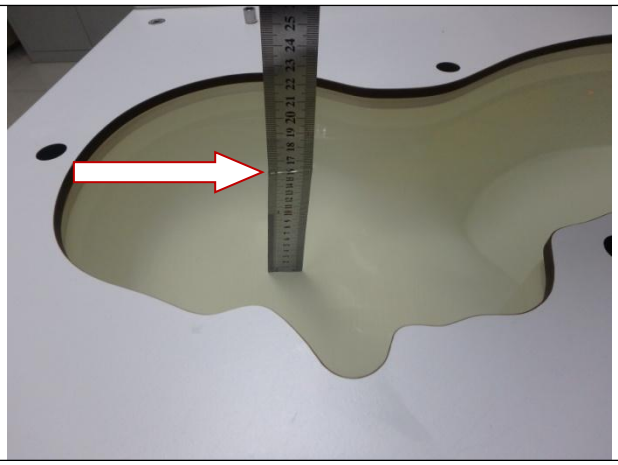
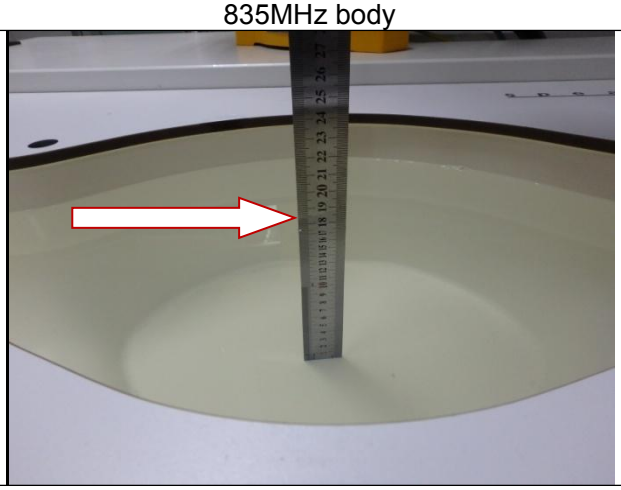
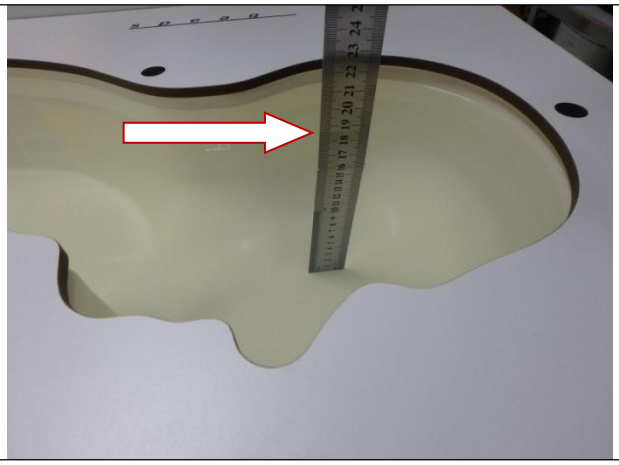
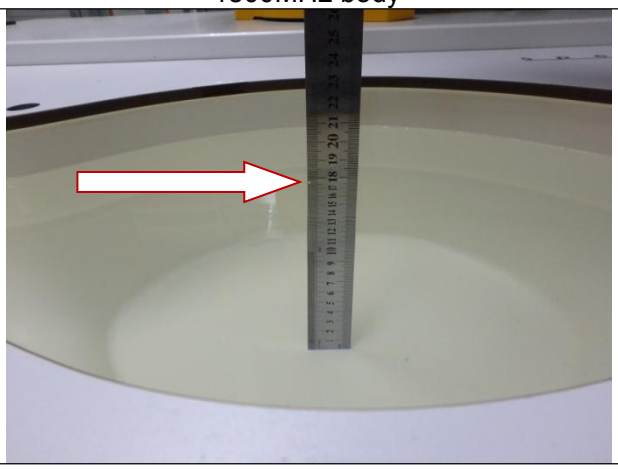
Body back touch with accessories

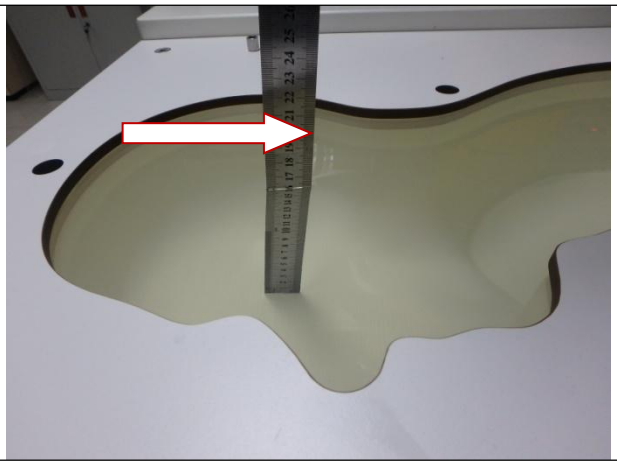
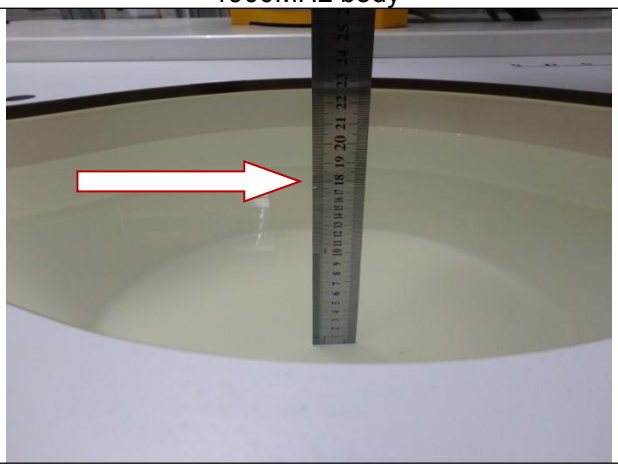
Face up 25mm



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
	

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.

----END OF REPORT----