

FCC SAR Test Report

Report No. : SAR260626B001

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Manufacturer : KYOCERA Corporation

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Product : Mobile phone

FCC ID : JOYEB1236

Brand : KYOCERA

Model No. : EB1236

Standards : FCC 47 CFR Part 2 (2.1093) / IEEE C95.1:1992 / IEEE 1528:2013
KDB 865664 D01 v01r04 / KDB 865664 D02 v01r02 / KDB 248227 D01 v02r02
KDB 447498 D01 v06 / KDB 648474 D04 v01r03 / KDB 941225 D01 v03r01
KDB 941225 D05 v02r05 / KDB 941225 D06 v02r01

Date of Testing : Jun. 01, 2026 ~ Jun. 23, 2026

FCC Designation No. : CN1429 FCC Site Registration No. : 646781

CERTIFICATION: The above equipment have been tested by **Boomwave Test (Shenzhen) Co., Ltd.**, and found compliance with the requirement of the above standards. The test record, data evaluation & Equipment Under Test (EUT) configurations represented herein are true and accurate accounts of the measurements of the sample's SAR characteristics under the conditions specified in this report. It should not be reproduced except in full, without the written approval of our laboratory. The client should not use it to claim product certification, approval, or endorsement by A2LA or any government agencies.

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Release Control Record

Report No.	Reason for Change	Date Issued
SAR260626B001	Initial release	Jun. 30, 2026

1. Summary of Maximum SAR Value

Equipment Class	Mode	Highest Reported Head SAR _{1g} (W/kg)	Highest Reported Body-worn SAR _{1g} (1.5 cm Gap) (W/kg)	Highest Reported Hotspot SAR _{1g} (1.0 cm Gap) (W/kg)	Highest Reported Extremity SAR _{10g} (0 cm Gap) (W/kg)
PCE	GSM850	0.36	0.28	0.51	N/A
	GSM1900	0.18	0.16	0.26	N/A
	WCDMA II	0.37	0.26	0.56	N/A
	WCDMA IV	0.19	0.39	0.66	N/A
	WCDMA V	0.34	0.24	0.44	N/A
	LTE 2	0.40	0.22	0.50	N/A
	LTE 4	0.24	0.35	0.66	N/A
	LTE 5	0.51	0.35	0.55	N/A
	LTE 12	0.26	0.23	0.26	N/A
	LTE 41	0.31	0.51	1.15	N/A
DTS	2.4G WLAN	0.10	0.04	0.11	N/A
	Halow	0.11	0.02	0.05	N/A
NII	5G WLAN	0.22	0.09	0.23	0.47
6XD	6G WLAN	0.26	0.40	0.16	0.22
DSS	Bluetooth	0.25	0.06	0.21	N/A
DXX	NFC	N/A	N/A	N/A	N/A

Equipment Class	Mode	psPD (mW/cm ²)
6XD	6G WLAN	0.357

Highest Simultaneous Transmission SAR _{1g}	PCE (W/kg)	DTS (W/kg)	NII (W/kg)	DSS (W/kg)	6XD (W/kg)
	1.41	1.31	0.56	1.41	0.61

Highest Simultaneous Transmission SAR _{10g}	PCE (W/kg)	DTS (W/kg)	NII (W/kg)	DSS (W/kg)	6XD (W/kg)
	N/A	N/A	0.47	N/A	0.22

Simultaneous Transmission Total Exposure Ratio for WLAN 6G	0.57
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Note:

- The SAR limit (Head & Body: SAR_{1g} 1.6 W/kg, Extremity: SAR_{10g} 4.0 W/kg) for general population / uncontrolled exposure is specified in FCC 47 CFR part 2 (2.1093) and ANSI/IEEE C95.1-1992.
- Detailed results regarding WLAN 6G SAR/PD, please refer to the WLAN 6G SAR/PD test report (Report Number: SZ26060130S01, Issued By: Shenzhen Morlab Communications Technology Co., Ltd.

2. Description of Equipment Under Test

EUT Type	Mobile phone
FCC ID	JOYEB1236
IMEI Code	350338060022332 / 350338060027836
Brand Name	KYOCERA
Model Name	EB1236
HW Version	DMT2
SW Version	V0.252EX.0052.a
Tx Frequency Bands (Unit: MHz)	GSM850 : 824.2 ~ 848.8 GSM1900 : 1850.2 ~ 1909.8 WCDMA Band II : 1852.4 ~ 1907.6 WCDMA Band IV : 1712.4 ~ 1752.6 WCDMA Band V : 826.4 ~ 846.6 LTE Band 2 : 1850.7 ~ 1909.3 LTE Band 4 : 1710.7 ~ 1754.3 LTE Band 5 : 824.7 ~ 848.3 LTE Band 12 : 699.7 ~ 715.3 LTE Band 41 : 2498.5 ~ 2687.5 WLAN : 2412 ~ 2462, 5180 ~ 5240, 5260 ~ 5320, 5500 ~ 5720, 921 ~ 927 Bluetooth : 2402 ~ 2480 NFC : 13.56
Uplink Modulations	GSM & GPRS : GMSK WCDMA : QPSK LTE : QPSK, 16QAM, 64QAM 802.11b : DSSS 802.11a/g/n/ac : OFDM 802.11ah : OFDM 802.11ax : OFDMA Bluetooth : GFSK, $\pi/4$ -DQPSK, 8-DPSK NFC : ASK
Maximum Tune-up Conducted Power (Unit: dBm)	Please refer to section 4.5.1 of this report.
Antenna Type	Monopole Antenna
EUT Stage	Identical Prototype

Note:

- The above EUT information is declared by manufacturer and for more detailed features description please refers to the manufacturer's specifications or User's Manual.

3. SAR Measurement System

3.1 Definition of Specific Absorption Rate (SAR)

SAR is related to the rate at which energy is absorbed per unit mass in an 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 general population/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 a given 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 measurement can be related to the electrical field in the tissue by

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

Where: σ is the conductivity of the tissue, ρ is the mass density of the tissue and E is the RMS electrical field strength.

3.2 SPEAG DASY System

DASY system consists of high precision robot, probe alignment sensor, phantom, robot controller, controlled measurement server and near-field probe. The robot includes six axes that can move to the precision position of the DASY software defined. The DASY software can define the area that is detected by the probe. The robot is connected to controlled box. Controlled measurement server is connected to the controlled robot box. The DAE includes amplifier, signal multiplexing, AD converter, offset measurement and surface detection. It is connected to the Electro-optical coupler (ECO). The ECO performs the conversion from the optical into digital electric signal of the DAE and transfers data to the PC.

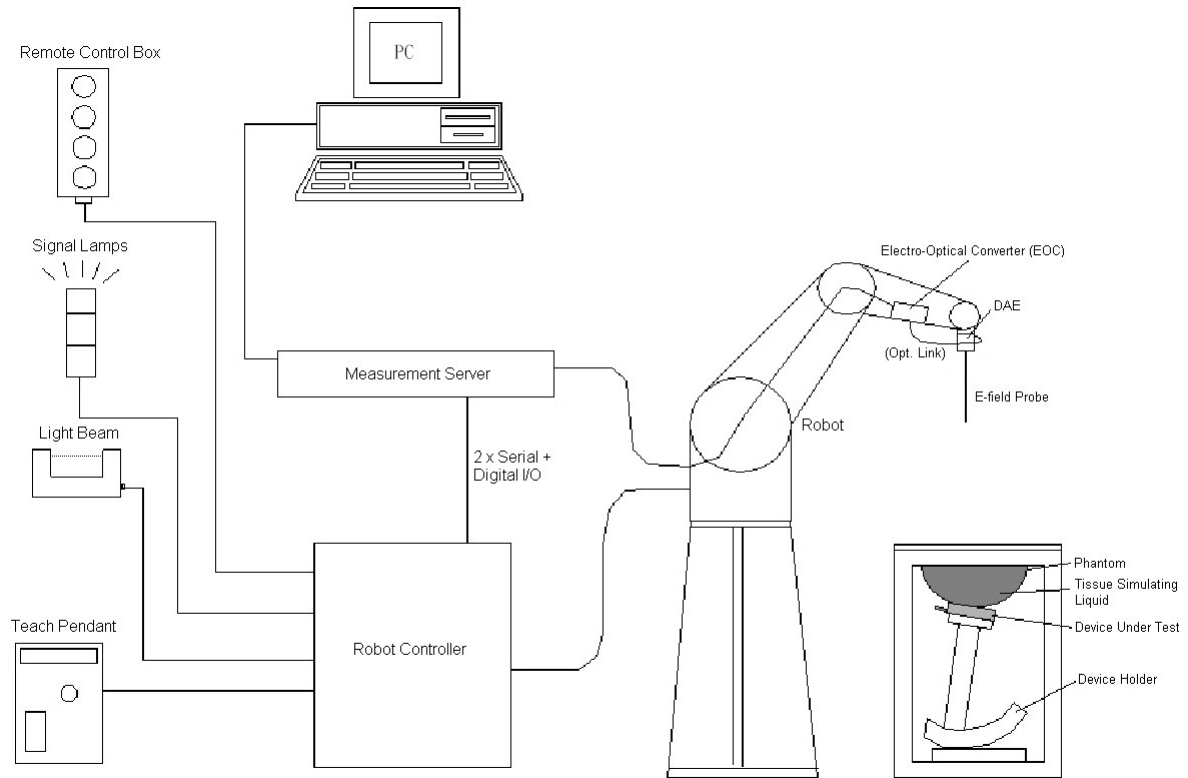


Fig-3.1 DASY System Setup

3.2.1 Robot

The DASY system uses the high precision robots from Stäubli SA (France). For the 6-axis controller system, the robot controller version (DASY6: CS8c) from Stäubli is used. The Stäubli robot series have many features that are important for our application:

- High precision (repeatability ± 0.035 mm)
- High reliability (industrial design)
- Jerk-free straight movements
- Low ELF interference (the closed metallic construction shields against motor control fields)



Fig-3.2 DASY

3.2.2 Probes

The SAR measurement is conducted with the dosimetric probe. 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.

Model	EX3DV4	
Construction	Symmetrical design with triangular core. Built-in shielding against static charges. PEEK enclosure material (resistant to organic solvents, e.g., DGBE).	
Frequency	10 MHz to 6 GHz Linearity: ± 0.2 dB	
Directivity	± 0.3 dB in HSL (rotation around probe axis) ± 0.5 dB in tissue material (rotation normal to probe axis)	
Dynamic Range	10 μ W/g to 100 mW/g Linearity: ± 0.2 dB (noise: typically < 1 μ W/g)	
Dimensions	Overall length: 337 mm (Tip: 20 mm) Tip diameter: 2.5 mm (Body: 12 mm) Typical distance from probe tip to dipole centers: 1 mm	

Model	ES3DV3	
Construction	Symmetrical design with triangular core. Interleaved sensors. Built-in shielding against static charges. PEEK enclosure material (resistant to organic solvents, e.g., DGBE).	
Frequency	10 MHz to 4 GHz Linearity: ± 0.2 dB	
Directivity	± 0.2 dB in HSL (rotation around probe axis)	

Dynamic Range	± 0.3 dB in tissue material (rotation normal to probe axis)	
	5 µW/g to 100 mW/g Linearity: ± 0.2 dB	
Dimensions	Overall length: 337 mm (Tip: 20 mm) Tip diameter: 3.9 mm (Body: 12 mm) Distance from probe tip to dipole centers: 2.0 mm	

3.2.3 Data Acquisition Electronics (DAE)

Model	DAE3, DAE4	
Construction	Signal amplifier, multiplexer, A/D converter and control logic. Serial optical link for communication with DASY embedded system (fully remote controlled). Two step probe touch detector for mechanical surface detection and emergency robot stop.	
Measurement Range	-100 to +300 mV (16 bit resolution and two range settings: 4mV, 400mV)	
Input Offset Voltage	< 5µV (with auto zero)	
Input Bias Current	< 50 fA	
Dimensions	60 x 60 x 68 mm	

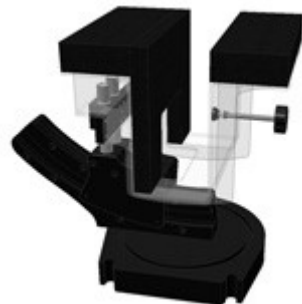
3.2.4 Phantoms

Model	Twin SAM	
Construction	The shell corresponds to the specifications of the Specific Anthropomorphic Mannequin (SAM) phantom defined in IEEE 1528 and IEC 62209-1. It enables the dosimetric evaluation of left and right hand phone usage as well as body mounted usage at the flat phantom region. A cover prevents evaporation of the liquid. Reference markings on the phantom allow the complete setup of all predefined phantom positions and measurement grids by teaching three points with the robot.	
Material	Vinylester, glass fiber reinforced (VE-GF)	
Shell Thickness	2 ± 0.2 mm (6 ± 0.2 mm at ear point)	
Dimensions	Length: 1000 mm Width: 500 mm Height: adjustable feet	
Filling Volume	approx. 25 liters	

Model	ELI	
Construction	Phantom for compliance testing of handheld and body-mounted wireless devices in the frequency range of 30 MHz to 6 GHz. ELI is fully compatible with the IEC 62209-2 standard and all known tissue simulating liquids. ELI has been optimized regarding its performance and can be integrated into our standard phantom tables. A cover prevents evaporation of the liquid. Reference markings on the phantom allow installation of the complete setup, including all predefined phantom positions and measurement grids, by teaching three points. The phantom is compatible with all SPEAG dosimetric probes and dipoles.	
Material	Vinylester, glass fiber reinforced (VE-GF)	
Shell Thickness	2.0 ± 0.2 mm (bottom plate)	
Dimensions	Major axis: 600 mm Minor axis: 400 mm	
Filling Volume	approx. 30 liters	

3.2.5 Device Holder

Model	Mounting Device	
Construction	In combination with the Twin SAM Phantom or ELI4, the Mounting Device enables the rotation of the mounted transmitter device in spherical coordinates. Rotation point is the ear opening point. Transmitter devices can be easily and accurately positioned according to IEC, IEEE, FCC or other specifications. The device holder can be locked for positioning at different phantom sections (left head, right head, flat).	
Material	POM	

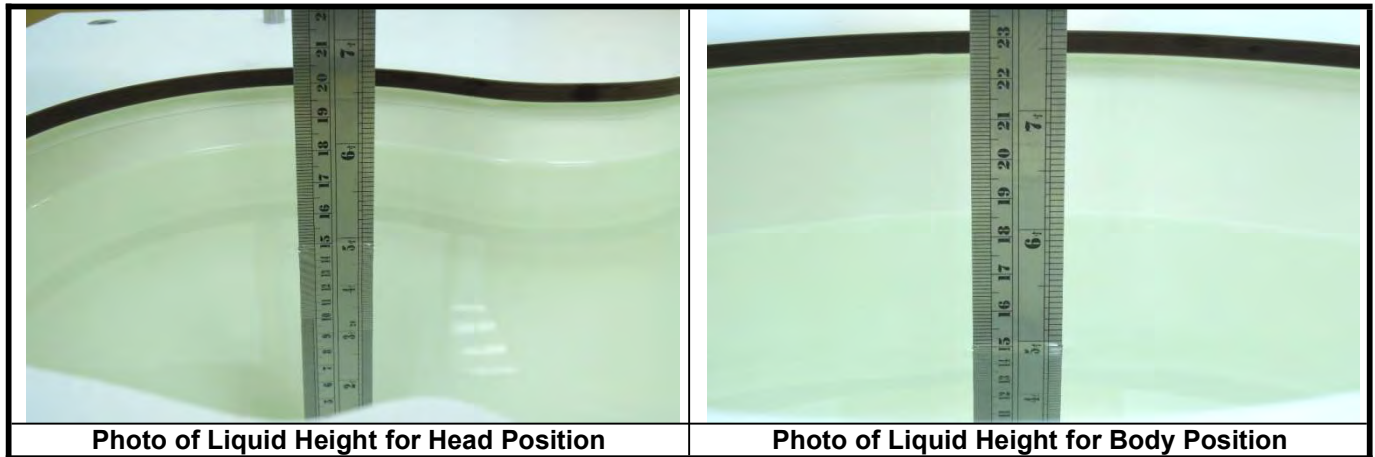
Model	Laptop Extensions Kit	
Construction	Simple but effective and easy-to-use extension for Mounting Device that facilitates the testing of larger devices according to IEC 62209-2 (e.g., laptops, cameras, etc.). It is lightweight and fits easily on the upper part of the Mounting Device in place of the phone positioner.	
Material	POM, Acrylic glass, Foam	

3.2.6 System Validation Dipoles

Model	D-Serial	
Construction	Symmetrical dipole with 1/4 balun. Enables measurement of feed point impedance with NWA. Matched for use near flat phantoms filled with tissue simulating solutions.	
Frequency	750 MHz to 5800 MHz	
Return Loss	> 20 dB	
Power Capability	> 100 W (f < 1GHz), > 40 W (f > 1GHz)	

3.2.7 Tissue Simulating Liquids

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 15 cm. For head SAR testing, the liquid height from the ear reference point (ERP) of the phantom to the liquid top surface is larger than 15 cm. For body SAR testing, the liquid height from the center of the flat phantom to the liquid top surface is larger than 15 cm. The nominal dielectric values of the tissue simulating liquids in the phantom and the tolerance of 5% are listed in Table-3.1.



The dielectric properties of the head tissue simulating liquids are defined in IEEE 1528, and KDB 865664 D01 Appendix A. For the body tissue simulating liquids, the dielectric properties are defined in KDB 865664 D01 Appendix A. The dielectric properties of the tissue simulating liquids were verified prior to the SAR evaluation using a dielectric assessment kit and a network analyzer.

Table-3.1 Targets of Tissue Simulating Liquid

Frequency (MHz)	Target Permittivity	Range of $\pm 5\%$	Target Conductivity	Range of $\pm 5\%$
For Head				
750	41.9	39.8 ~ 44.0	0.89	0.85 ~ 0.93
835	41.5	39.4 ~ 43.6	0.90	0.86 ~ 0.95
900	41.5	39.4 ~ 43.6	0.97	0.92 ~ 1.02
1450	40.5	38.5 ~ 42.5	1.20	1.14 ~ 1.26
1640	40.3	38.3 ~ 42.3	1.29	1.23 ~ 1.35
1750	40.1	38.1 ~ 42.1	1.37	1.30 ~ 1.44
1800	40.0	38.0 ~ 42.0	1.40	1.33 ~ 1.47
1900	40.0	38.0 ~ 42.0	1.40	1.33 ~ 1.47
2000	40.0	38.0 ~ 42.0	1.40	1.33 ~ 1.47
2300	39.5	37.5 ~ 41.5	1.67	1.59 ~ 1.75
2450	39.2	37.2 ~ 41.2	1.80	1.71 ~ 1.89
2600	39.0	37.1 ~ 41.0	1.96	1.86 ~ 2.06
3500	37.9	36.0 ~ 39.8	2.91	2.76 ~ 3.06
5200	36.0	34.2 ~ 37.8	4.66	4.43 ~ 4.89
5300	35.9	34.1 ~ 37.7	4.76	4.52 ~ 5.00
5500	35.6	33.8 ~ 37.4	4.96	4.71 ~ 5.21
5600	35.5	33.7 ~ 37.3	5.07	4.82 ~ 5.32
5800	35.3	33.5 ~ 37.1	5.27	5.01 ~ 5.53

The following table gives the recipes for tissue simulating liquids.

Table-3.2 Recipes of Tissue Simulating Liquid

Tissue Type	Bactericide	DGBE	HEC	NaCl	Sucrose	Triton X-100	Water	Diethylene Glycol Mono-hexylether
H750	0.2	-	0.2	1.5	56.0	-	42.1	-
H835	0.2	-	0.2	1.5	57.0	-	41.1	-
H900	0.2	-	0.2	1.4	58.0	-	40.2	-
H1450	-	43.3	-	0.6	-	-	56.1	-
H1640	-	45.8	-	0.5	-	-	53.7	-
H1750	-	47.0	-	0.4	-	-	52.6	-
H1800	-	44.5	-	0.3	-	-	55.2	-
H1900	-	44.5	-	0.2	-	-	55.3	-
H2000	-	44.5	-	0.1	-	-	55.4	-
H2300	-	44.9	-	0.1	-	-	55.0	-
H2450	-	45.0	-	0.1	-	-	54.9	-
H2600	-	45.1	-	0.1	-	-	54.8	-
H3500	-	28.0	-	0.2	-	20.0	71.8	-
H5G	-	-	-	-	-	17.2	65.5	17.3

3.3 SAR System Verification

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

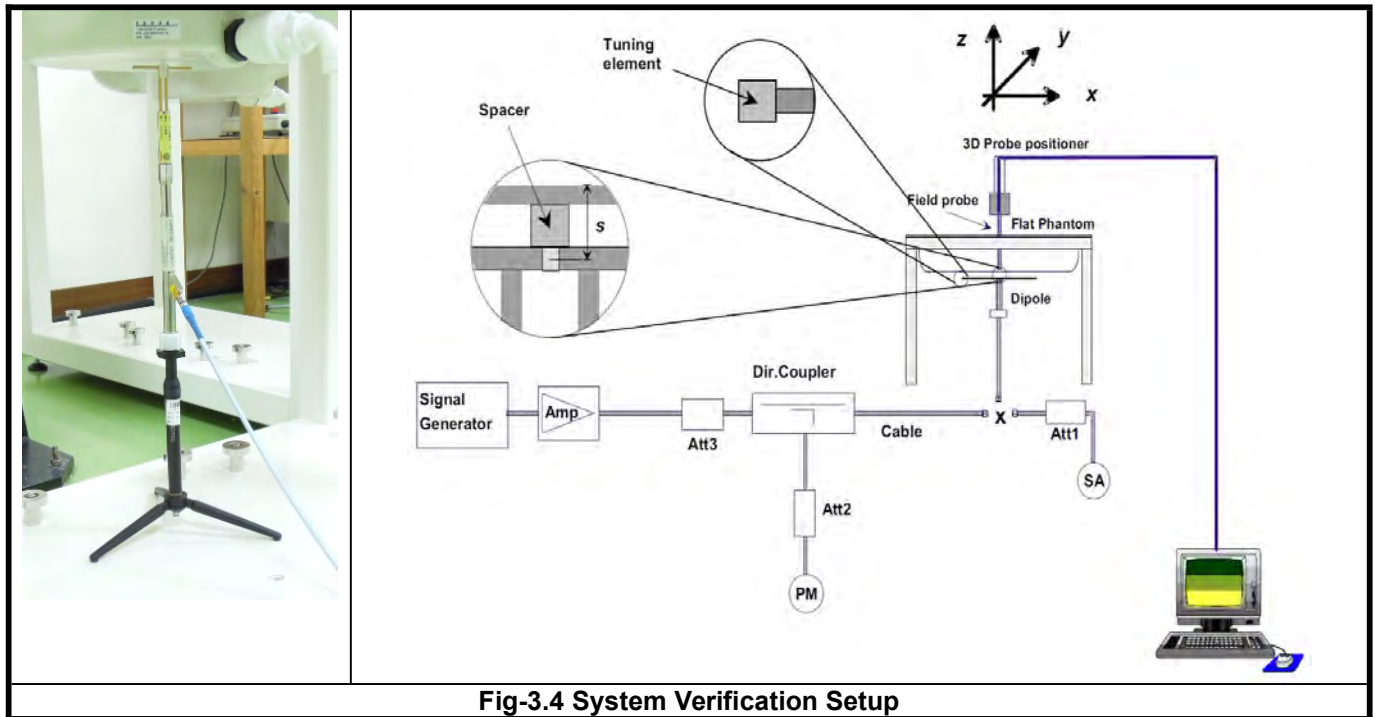


Fig-3.4 System Verification Setup

The validation dipole is placed beneath the flat phantom with the specific spacer in place. The distance spacer is touch the phantom surface with a light pressure at the reference marking and be oriented parallel to the long side of the phantom. The spectrum analyzer measures the forward power at the location of the system check dipole connector. The signal generator is adjusted for the desired forward power (100 mW is used for 700 MHz to 3 GHz, 100 mW is used for 3.5 GHz to 6 GHz) at the dipole connector and the power meter is read at that level. After connecting the cable to the dipole, the signal generator is readjusted for the same reading at power meter.

After system check testing, the SAR result will be normalized to 1W forward input power and compared with the reference SAR value derived from validation dipole certificate report. The deviation of system check should be within 10 %.

3.4 SAR Measurement Procedure

According to the SAR test standard, the recommended procedure for assessing the peak spatial-average SAR value consists of the following steps:

- Power reference measurement
- Area scan
- Zoom scan
- Power drift measurement

The SAR measurement procedures for each of test conditions are as follows:

- Make EUT to transmit maximum output power
- Measure conducted output power through RF cable
- Place the EUT in the specific position of phantom
- Perform SAR testing steps on the DASY system
- Record the SAR value

3.4.1 Area & Zoom Scan Procedure

First Area Scan is used to locate the approximate location(s) of the local peak SAR value(s). The measurement grid within an Area Scan is defined by the grid extent, grid step size and grid offset. Next, in order to determine the EM field distribution in a three-dimensional spatial extension, Zoom Scan is required. The Zoom Scan is performed around the highest E-field value to determine the averaged SAR-distribution over 10 g. According to KDB 865664 D01, the resolution for Area and Zoom scan is specified in the table below.

Items	<= 2 GHz	2-3 GHz	3-4 GHz	4-5 GHz	5-6 GHz
Area Scan ($\Delta x, \Delta y$)	<= 15 mm	<= 12 mm	<= 12 mm	<= 10 mm	<= 10 mm
Zoom Scan ($\Delta x, \Delta y$)	<= 8 mm	<= 5 mm	<= 5 mm	<= 4 mm	<= 4 mm
Zoom Scan (Δz)	<= 5 mm	<= 5 mm	<= 4 mm	<= 3 mm	<= 2 mm
Zoom Scan Volume	>= 30 mm	>= 30 mm	>= 28 mm	>= 25 mm	>= 22 mm

Note:

When zoom scan is required and report SAR is <= 1.4 W/kg, the zoom scan resolution of $\Delta x / \Delta y$ (2-3GHz: <= 8 mm, 3-4GHz: <= 7 mm, 4-6GHz: <= 5 mm) may be applied.

3.4.2 Volume Scan Procedure

The volume scan is used for assess overlapping SAR distributions for antennas transmitting in different frequency bands. It is equivalent to an oversized zoom scan used in standalone measurements. The measurement volume will be used to enclose all the simultaneous transmitting antennas. For antennas transmitting simultaneously in different frequency bands, the volume scan is measured separately in each frequency band. In order to sum correctly to compute the 1g aggregate SAR, the EUT remain in the same test position for all measurements and all volume scan use the same spatial resolution and grid spacing. When all volume scan were completed, the software, SEMCAD postprocessor can combine and subsequently superpose these measurement data to calculating the multiband SAR.

3.4.3 Power Drift Monitoring

All SAR testing is under the EUT install full charged battery and transmit maximum output power. In DASY measurement software, the power reference measurement and power drift measurement procedures are used for monitoring the power drift of EUT during SAR test. Both these procedures measure the field at a specified reference position before and after the SAR testing. The software will calculate the field difference in dB. If the power drift more than 5%, the SAR will be retested.

3.4.4 Spatial Peak SAR Evaluation

The procedure for spatial peak SAR evaluation has been implemented according to the test standard. It can be conducted for 1g and 10g, as well as for user-specific masses. The DASY software includes all numerical procedures necessary to evaluate the spatial peak SAR value.

The base for the evaluation is a "cube" measurement. The measured volume must include the 1g and 10g cubes with the highest averaged SAR values. For that purpose, the center of the measured volume is aligned to the interpolated peak SAR value of a previously performed area scan.

The entire evaluation of the spatial peak values is performed within the post-processing engine (SEMCAD). The system always gives the maximum values for the 1g and 10g cubes. The algorithm to find the cube with highest averaged SAR is divided into the following stages:

- (a) Extraction of the measured data (grid and values) from the Zoom Scan
- (b) Calculation of the SAR value at every measurement point based on all stored data (A/D values and measurement parameters)
- (c) Generation of a high-resolution mesh within the measured volume
- (d) Interpolation of all measured values from the measurement grid to the high-resolution grid
- (e) Extrapolation of the entire 3-D field distribution to the phantom surface over the distance from sensor to surface
- (f) Calculation of the averaged SAR within masses of 1g and 10g

3.4.5 SAR Averaged Methods

In DASY, the interpolation and extrapolation are both based on the modified Quadratic Shepard's method. The interpolation scheme combines a least-square fitted function method and a weighted average method which are the two basic types of computational interpolation and approximation.

Extrapolation routines are used to obtain SAR values between the lowest measurement points and the inner phantom surface. The extrapolation distance is determined by the surface detection distance and the probe sensor offset. The uncertainty increases with the extrapolation distance. To keep the uncertainty within 1% for the 1 g and 10 g cubes, the extrapolation distance should not be larger than 5 mm.

4. SAR Measurement Evaluation

4.1 EUT Configuration and Setting

<Connections between EUT and System Simulator>

For WWAN SAR testing, the EUT was linked and controlled by base station emulator (R&S CMW500 is used for GSM/WCDMA/LTE). Communication between the EUT and the emulator was established by air link. The distance between the EUT and the communicating antenna of the emulator is larger than 50 cm and the output power radiated from the emulator antenna is at least 30 dB smaller than the output power of EUT. The EUT was set from the emulator to radiate maximum output power during SAR testing..

<Considerations Related to GSM / GPRS / EDGE for Setup and Testing>

The maximum multi-slot capability supported by this device is as below.

1. This EUT is class B device
2. This EUT supports GPRS multi-slot class 12 (max. uplink: 4, max. downlink: 4, total timeslots: 5)

For GSM850 frequency band, the power control level is set to 5 for GSM mode and GPRS (GMSK: CS1), and set to 8 for EDGE (GMSK: MCS1, 8PSK: MCS9). For GSM1900 frequency band, the power control level is set to 0 for GSM mode and GPRS (GMSK: CS1), and set to 2 for EDGE (GMSK: MCS1, 8PSK: MCS9).

SAR test reduction for GPRS and EDGE modes is determined by the source-based time-averaged output power specified for production units, including tune-up tolerance. The data mode with highest specified time-averaged output power should be tested for SAR compliance in the applicable exposure conditions. For modes with the same specified maximum output power and tolerance, the higher number time-slot configuration should be tested.

The frame-averaged power is linearly proportion to the slot number configured and it is linearly scaled the maximum burst-averaged power based on time slots. The calculated method is shown as below:

Frame-averaged power = 10 x log (Burst-averaged power mW x Slot used / 8)

<Considerations Related to WCDMA for Setup and Testing>

WCDMA Handsets Head SAR

SAR for next to the ear head exposure is measured using a 12.2 kbps RMC with TPC bits configured to all "1's". The 3G SAR test reduction procedure is applied to AMR configurations with 12.2 kbps RMC as the primary mode.

WCDMA Handsets Body-worn SAR

SAR for body-worn configurations is measured using a 12.2 kbps RMC with TPC bits configured to all "1's". The 3G SAR test reduction procedure is applied to other spreading codes and multiple DPDCH_n configurations supported by the handset with 12.2 kbps RMC as the primary mode.

Handsets with Release 5 HSDPA

The 3G SAR test reduction procedure is applied to HSDPA body-worn configurations with 12.2 kbps RMC as the primary mode. Otherwise, SAR is measured for HSDPA using the HSDPA body SAR procedures in the "Release 5 HSDPA Data Devices", for the highest reported SAR body-worn exposure configuration in 12.2 kbps RMC. Handsets with both HSDPA and HSUPA are tested according to Release 6 HSPA test procedures.

Handsets with Release 6 HSUPA

The 3G SAR test reduction procedure is applied to HSPA (HSUPA/HSDPA with RMC) body-worn configurations with 12.2 kbps RMC as the primary mode. Otherwise, SAR is measured for HSPA using the HSPA body SAR procedures in the “Release 6 HSPA Data Devices”, for the highest reported body-worn exposure SAR configuration in 12.2 kbps RMC. When VOIP is applicable for next to the ear head exposure in HSPA, the 3G SAR test reduction procedure is applied to HSPA with 12.2 kbps RMC as the primary mode; otherwise, the same HSPA configuration used for body-worn measurements is tested for next to the ear head exposure.

Release 5 HSDPA Data Devices

The 3G SAR test reduction procedure is applied to body SAR with 12.2 kbps RMC as the primary mode. Otherwise, body SAR for HSDPA is measured using an FRC with H-Set 1 in Sub-test 1 and a 12.2 kbps RMC configured in Test Loop Mode 1, for the highest reported SAR configuration in 12.2 kbps RMC without HSDPA. HSDPA is configured according to the applicable UE category of a test device. The number of HS-DSCH / HS-PDSCHs, HARQ processes, minimum inter-TTI interval, transport block sizes and RV coding sequence are defined by the H-set. To maintain a consistent test configuration and stable transmission conditions, QPSK is used in the H-set for SAR testing. HS-DPCCH should be configured with a CQI feedback cycle of 4 ms and a CQI repetition factor of 2 to maintain a constant rate of active CQI slots. DPCCH and DPDCH gain factors (β_c , β_d), and HS-DPCCH power offset parameters (Δ_{ACK} , Δ_{NACK} , Δ_{CQI}) are set according to values indicated in below. The CQI value is determined by the UE category, transport block size, number of HS-PDSCHs and modulation used in the H-set.

Sub-test	β_c	β_d	β_d (SF)	β_c / β_d	$\beta_{hs}^{(1)}$	CM (dB) ⁽²⁾	MPR
1	2 / 15	15 / 15	64	2 / 15	4 / 15	0.0	0
2	12 / 15 ⁽³⁾	15 / 15 ⁽³⁾	64	12 / 15 ⁽³⁾	24 / 15	1.0	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: Δ_{ACK} , Δ_{NACK} and $\Delta_{CQI} = 8 \Leftrightarrow A_{hs} = \beta_{hs} / \beta_c = 30 / 15 \Leftrightarrow \beta_{hs} = 30 / 15 * \beta_c$.
Note 2: CM = 1 for $\beta_c / \beta_d = 12 / 15$, $\beta_{hs} / \beta_c = 24 / 15$.
Note 3: For subtest 2 the β_c / β_d ratio of 12 / 15 for the TFC during the measurement period (TF1, TF0) is achieved by setting the signaled gain factors for the reference TFC (TF1, TF1) to $\beta_c = 11 / 15$ and $\beta_d = 15 / 15$.

Release 6 HSUPA Data Devices

The 3G SAR test reduction procedure is applied to body SAR with 12.2 kbps RMC as the primary mode. Otherwise, body SAR for HSPA is measured with E-DCH Sub-test 5, using H-Set 1 and QPSK for FRC and a 12.2 kbps RMC configured in Test Loop Mode 1 and power control algorithm 2, according to the highest reported body SAR configuration in 12.2 kbps RMC without HSPA. When VOIP applies to head exposure, the 3G SAR test reduction procedure is applied with 12.2 kbps RMC as the primary mode. Otherwise, the same HSPA configuration used for body SAR measurements are applied to head exposure testing. Due to inner loop power control requirements in HSPA, a communication test set is required for output power and SAR tests. The 12.2 kbps RMC, FRC H-set 1 and E-DCH configurations for HSPA are configured according to the β values indicated in below.

Sub-test	β_c	β_d	β_d (SF)	β_c / β_d	$\beta_{hs}^{(1)}$	β_{ec}	β_{ed}	β_{ed} (SF)	β_{ed} (codes)	CM ⁽²⁾ (dB)	MPR (dB)	AG ⁽⁴⁾ Index	E-TFCI
1	11 / 15 ⁽³⁾	15 / 15 ⁽³⁾	64	11 / 15 ⁽³⁾	22 / 15	209 / 225	1039 / 225	4	1	1.0	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	$\beta_{ed1}: 47/15$ $\beta_{ed2}: 47/15$	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 ⁽⁴⁾	15 / 15 ⁽⁴⁾	64	15 / 15 ⁽⁴⁾	30 / 15	24 / 15	134 / 15	4	1	1.0	0.0	21	81

Note 1: Δ_{ACK} , Δ_{NACK} and $\Delta_{CQI} = 8 \Leftrightarrow A_{hs} = \beta_{hs} / \beta_c = 30 / 15 \Leftrightarrow \beta_{hs} = 30 / 15 * \beta_c$.

Note 2: CM = 1 for $\beta_c / \beta_d = 12 / 15$, $\beta_{hs} / \beta_c = 24 / 15$. 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 β_c / β_d ratio of 11 / 15 for the TFC during the measurement period (TF1, TF0) is achieved by setting the signaled gain factors for the reference TFC (TF1, TF1) to $\beta_c = 10 / 15$ and $\beta_d = 15 / 15$.

Note 4: For subtest 5 the β_c / β_d ratio of 15 / 15 for the TFC during the measurement period (TF1, TF0) is achieved by setting the signaled gain factors for the reference TFC (TF1, TF1) to $\beta_c = 14 / 15$ and $\beta_d = 15 / 15$.

Note 5: Testing UE using E-DPDCH Physical Layer category 1 Sub-test 3 is not required according to TS 25.306 Table 5.1g.

Note 6: β_{ed} cannot be set directly; it is set by Absolute Grant Value.

<Considerations Related to LTE for Setup and Testing>

This device contains LTE transmitter which follows 3GPP standards, supports QPSK 16QAM and 64QAM modulations, and supported LTE band and channel bandwidth is listed in below. The output power was tested per 3GPP TS 36.521-1 maximum transmit procedures for QPSK 16QAM and 64QAM modulation. The results please refer to section 4.5 of this report.

EUT Supported LTE Band and Channel Bandwidth						
LTE Band	BW 1.4 MHz	BW 3 MHz	BW 5 MHz	BW 10 MHz	BW 15 MHz	BW 20 MHz
2	V	V	V	V	V	V
4	V	V	V	V	V	V
5	V	V	V	V		
12	V	V	V	V		
41			V	V	V	V

The LTE maximum power reduction (MPR) in accordance with 3GPP TS 36.101 is active all times during LTE operation. The allowed MPR for the maximum output power is specified in below.

Table 6.2.3-1: Maximum Power Reduction (MPR) for Power Class 1, 2 and 3

Modulation	Channel bandwidth / Transmission bandwidth (N_{RB})						MPR (dB)
	1.4 MHz	3.0 MHz	5 MHz	10 MHz	15 MHz	20 MHz	
QPSK	> 5	> 4	> 8	> 12	> 16	> 18	≤ 1
16 QAM	≤ 5	≤ 4	≤ 8	≤ 12	≤ 16	≤ 18	≤ 1
16 QAM	> 5	> 4	> 8	> 12	> 16	> 18	≤ 2
64 QAM	≤ 5	≤ 4	≤ 8	≤ 12	≤ 16	≤ 18	≤ 2
64 QAM	> 5	> 4	> 8	> 12	> 16	> 18	≤ 3
256 QAM	≥ 1						≤ 5

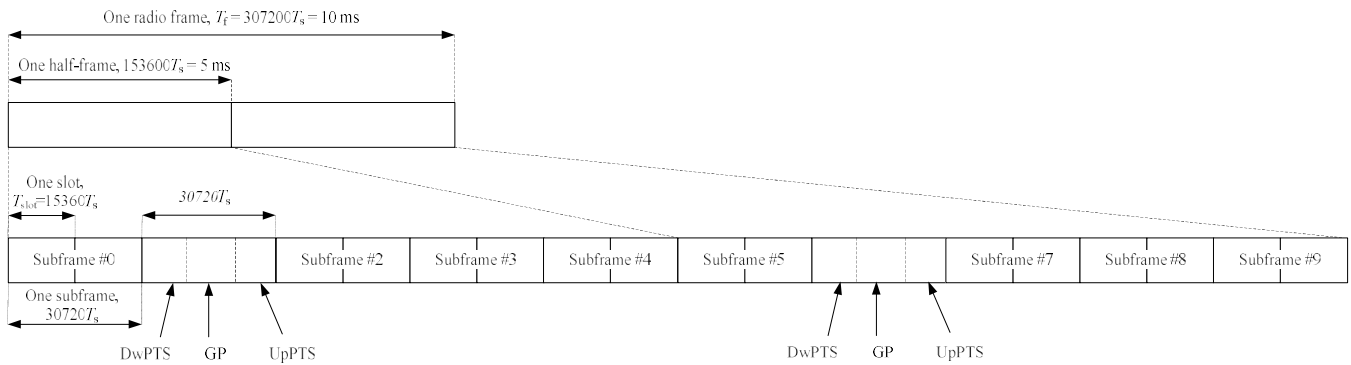
Note: MPR is according to the standard and implemented in the circuit (mandatory).

In addition, the device is compliant with additional maximum power reduction (A-MPR) requirements defined in 3GPP TS 36.101 section 6.2.4 that was disabled for all FCC compliance testing.

During LTE SAR testing, the related parameters of operating band, channel bandwidth, uplink channel number, modulation type, and RB was set in base station simulator. When the EUT has registered and communicated to base station simulator, the simulator set to make EUT transmitting the maximum radiated power.

TDD-LTE Setup Configurations

According to KDB 941225 D05, SAR testing for TDD-LTE device must be tested using a fixed periodic duty factor according to the highest transmission duty factor implemented for the device and supported by the defined 3GPP TDD-LTE configurations. The TDD-LTE of this device supports frame structure type 2 defined in 3GPP TS 36.211 section 4.2, and the frame structure configuration can be referred to below.



3GPP TS 36.211 Figure 4.2-1: Frame Structure Type 2

Special Subframe Configuration	Normal Cyclic Prefix in Downlink			Extended Cyclic Prefix in Downlink		
	DwPTS	UpPTS		DwPTS	UpPTS	
		Normal Cyclic Prefix in Uplink	Extended Cyclic Prefix in Uplink		Normal Cyclic Prefix in Uplink	Extended Cyclic Prefix in Uplink
0	6592·Ts	2192·Ts	2560·Ts	7680·Ts	2192·Ts	2560·Ts
1	19760·Ts			20480·Ts		
2	21952·Ts			23040·Ts		
3	24144·Ts			25600·Ts		
4	26336·Ts			7680·Ts		
5	6592·Ts	4384·Ts	5120·Ts	20480·Ts	4384·Ts	5120·Ts
6	19760·Ts			23040·Ts		
7	21952·Ts			12800·Ts		
8	24144·Ts			-	-	-
9	13168·Ts			-	-	-

3GPP TS 36.211 Table 4.2-1: Configuration of Special Subframe

Uplink-Downlink Configuration	Downlink-to-Uplink Switch-Point Periodicity	Subframe Number									
		0	1	2	3	4	5	6	7	8	9
0	5 ms	D	S	U	U	U	D	S	U	U	U
1	5 ms	D	S	U	U	D	D	S	U	U	D
2	5 ms	D	S	U	D	D	D	S	U	D	D
3	10 ms	D	S	U	U	U	D	D	D	D	D
4	10 ms	D	S	U	U	D	D	D	D	D	D
5	10 ms	D	S	U	D	D	D	D	D	D	D
6	5 ms	D	S	U	U	U	D	S	U	U	D

3GPP TS 36.211 Table 4.2-2: Uplink-Downlink Configurations

The variety of different TD-LTE uplink-downlink configurations allows a network operator to allocate the network's capacity between uplink and downlink traffic to meet the needs of the network. The uplink duty cycle of these seven configurations can readily be computed and shown in below.

UL-DL Configuration	0	1	2	3	4	5	6
Highest Duty-Cycle	63.33%	43.33%	23.33%	31.67%	21.67%	11.67%	53.33%

Considering the highest transmission duty cycle, TDD-LTE was tested using Uplink-Downlink Configuration 0 with 6 uplink subframe and 2 special subframe. The special subframe was set to special subframe configuration 7 using extended cyclic prefix uplink. Therefore, SAR testing for TDD-LTE was performed at the maximum output power with highest transmission duty cycle of 63.33%.

LTE Uplink Carrier Aggregation (CA) Setup Configurations

LTE Uplink CA	2CC Uplink Carrier Aggregation
Intra Band	Tx Antenna
41C	Ant 0

Note:

- UL CA shall be tested based on the worst-case SAR configuration determined from non-CA SAR testing result. The channel BW, channel number, RB allocation, etc. would be selected to allow contiguous CA of PCC and SCC. Uplink output power for UL CA is the total power measured across the PCC and SCC.
- The UL CA mode power measurements represent the total power across both carriers. Measurements were made for all supported PCC bandwidths using the channel/RB combination resulting in the highest standalone output power at the least MPR (0 dB). SCC were set to use configurations similar to the PCC to establish conservative or worst-case equivalent SAR test conditions (highest maximum output power with MPR of 0 dB and RB allocation setting).
- PCC RB allocation setting for UL CA has been adjusted based on the worst-case power.
- According to November 2017 TCB workshop, Uplink CA SAR Test Guidance as follows:
 - When the maximum output power for UL CA is $\leq$ standalone LTE mode (without CA)
 - PCC is configured according to the highest standalone SAR configuration tested
 - SCC and subsequent CCs are configured according to procedures used for power measurement and parameters (BW, RB etc.) similar to that used for the PCC
 - When the Reported SAR for UL CA configuration, described above, is $> 1.2\text{W/kg}$, UL CA is also required for all required test channels(PCC based)
 - UL CA SAR is also required for standalone SAR configurations $> 1.2\text{W/kg}$ when they are scaled to the UL CA power level
- PCC RB allocation setting for UL CA has been adjusted based on the worst-case power, for detailed UL CA output power measurement results, please refer to Appendix D.

<Considerations Related to WLAN for Setup and Testing>

In general, various vendor specific external test software and chipset based internal test modes are typically used for SAR measurement. These chipset based test mode utilities are generally hardware and manufacturer dependent, and often include substantial flexibility to reconfigure or reprogram a device. A Wi-Fi device must be configured to transmit continuously at the required data rate, channel bandwidth and signal modulation, using the highest transmission duty factor supported by the test mode tools for SAR measurement. The test frequencies established using test mode must correspond to the actual channel frequencies. When 802.11 frame gaps are accounted for in the transmission, a maximum transmission duty factor of 92 - 96% is typically achievable in most test mode configurations. A minimum transmission duty factor of 85% is required to avoid certain hardware and device implementation issues related to wide range SAR scaling. In addition, a periodic transmission duty factor is required for current generation SAR systems to measure SAR correctly. The reported SAR must be scaled to 100% transmission duty factor to determine compliance at the maximum tune-up tolerance limit.

According to KDB 248227 D01, this device has installed WLAN engineering testing software which can provide continuous transmitting RF signal. During WLAN SAR testing, this device was operated to transmit continuously at the maximum transmission duty with specified transmission mode, operating frequency, lowest data rate, and maximum output power.

Initial Test Configuration

An initial test configuration is determined for OFDM transmission modes in 2.4 GHz and 5 GHz bands according to the channel bandwidth, modulation and data rate combination(s) with the highest maximum output power specified for production units in each standalone and aggregated frequency band. When the same maximum power is specified for multiple transmission modes in a frequency band, the largest channel bandwidth, lowest order modulation, lowest data rate and lowest order 802.11a/g/n/ac mode is used for SAR measurement, on the highest measured output power channel in the initial test configuration, for each frequency band.

Subsequent Test Configuration

SAR measurement requirements for the remaining 802.11 transmission mode configurations that have not been tested in the initial test configuration are determined separately for each standalone and aggregated frequency band, in each exposure condition, according to the maximum output power specified for production units. Additional power measurements may be required to determine if SAR measurements are required for subsequent highest output power channels in a subsequent test configuration. When the highest reported SAR for the initial test configuration according to the initial test position or fixed exposure position requirements, is adjusted by the ratio of the subsequent test configuration to initial test configuration specified maximum output power and the adjusted SAR is ≤ 1.2 W/kg, SAR is not required for that subsequent test configuration.

SAR Test Configuration and Channel Selection

When multiple channel bandwidth configurations in a frequency band have the same specified maximum output power, the initial test configuration is using largest channel bandwidth, lowest order modulation, lowest data rate, and lowest order 802.11 mode (i.e., 802.11a is chosen over 802.11n then 802.11ac or 802.11g is chosen over 802.11n). After an initial test configuration is determined, if multiple test channels have the same measured maximum output power, the channel chosen for SAR measurement is determined according to the following.

1) The channel closest to mid-band frequency is selected for SAR measurement.

2) For channels with equal separation from mid-band frequency; for example, high and low channels or two mid-band channels, the higher frequency (number) channel is selected for SAR measurement.

Test Reduction for U-NII-1 (5.2 GHz) and U-NII-2A (5.3 GHz) Bands

For devices that operate in both U-NII bands using the same transmitter and antenna(s), SAR test reduction is determined according to the following.

1) When the same maximum output power is specified for both bands, begin SAR measurement in U-NII-2A band by applying the OFDM SAR requirements. If the highest reported SAR for a test configuration is ≤ 1.2 W/kg, SAR is not required for U-NII-1 band for that configuration (802.11 mode and exposure condition).

2) When different maximum output power is specified for the bands, begin SAR measurement in the band with higher specified maximum output power. The highest reported SAR for the tested configuration is adjusted by the ratio of lower to higher specified maximum output power for the two bands. When the adjusted SAR is ≤ 1.2 W/kg, SAR is not required for the band with lower maximum output power in that test configuration.

<Considerations Related to Bluetooth for Setup and Testing>

This device has installed Bluetooth engineering testing software which can provide continuous transmitting RF signal. During Bluetooth SAR testing, this device was operated to transmit continuously at the maximum transmission duty with specified transmission mode, operating frequency, lowest data rate, and maximum output power.

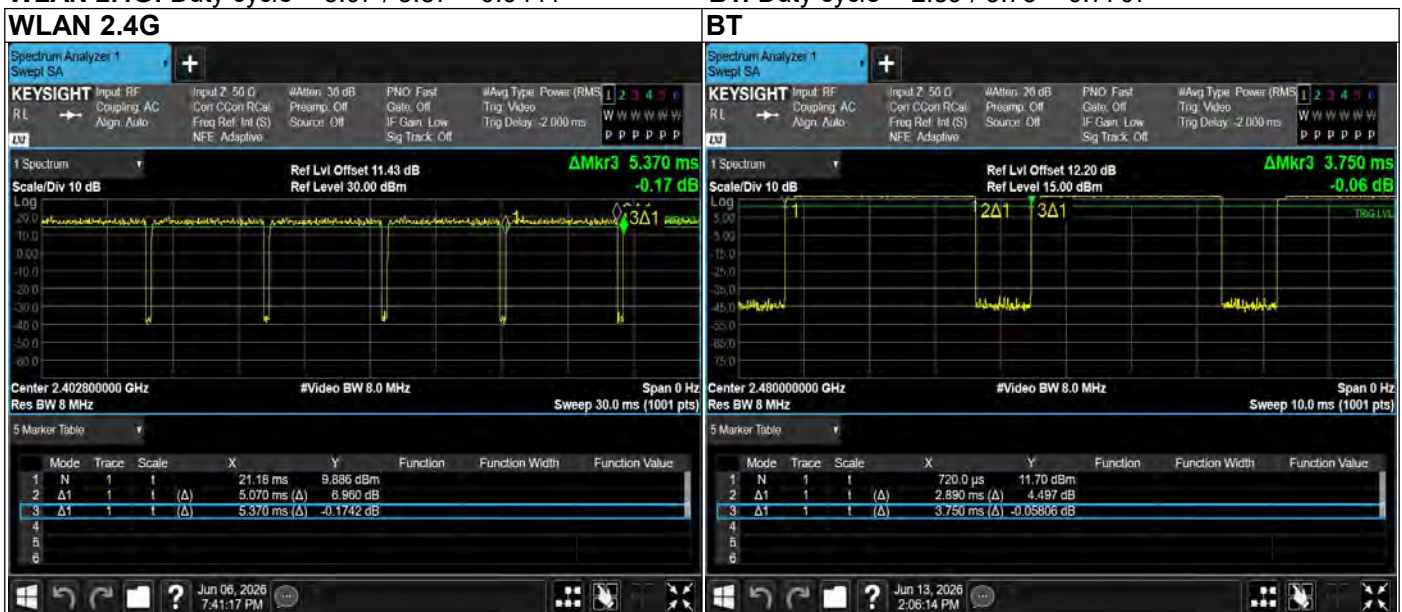
<Considerations Related to Halow for Setup and Testing>

This device has installed Halow engineering testing software which can provide continuous transmitting RF signal. During Halow SAR testing, this device was operated to transmit continuously at the maximum transmission duty with specified transmission mode, operating frequency, lowest data rate, and maximum output power.

<Duty Cycle of WLAN Test Signal>

WLAN 2.4G: Duty cycle = $5.07 / 5.37 = 0.9441$

BT: Duty cycle = $2.89 / 3.75 = 0.7707$



4.2 EUT Testing Position

According to KDB 648474 D04, handsets are tested for SAR compliance in head, body-worn accessory and other use configurations described in the following subsections.

4.2.1 Head Exposure Conditions

Head exposure is limited to next to the ear voice mode operations. Head SAR compliance is tested according to the test positions defined in IEEE Std 1528-2013 using the SAM phantom illustrated as below.

1. Define two imaginary lines on the handset
 - (a) The vertical centerline passes through two points on the front side of the handset - the midpoint of the width w_t of the handset at the level of the acoustic output, and the midpoint of the width w_b of the bottom of the handset.
 - (b) 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.
 - (c) 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 parallel to the front face of the handset, especially for clamshell handsets, handsets with flip covers, and other irregularly shaped handsets.

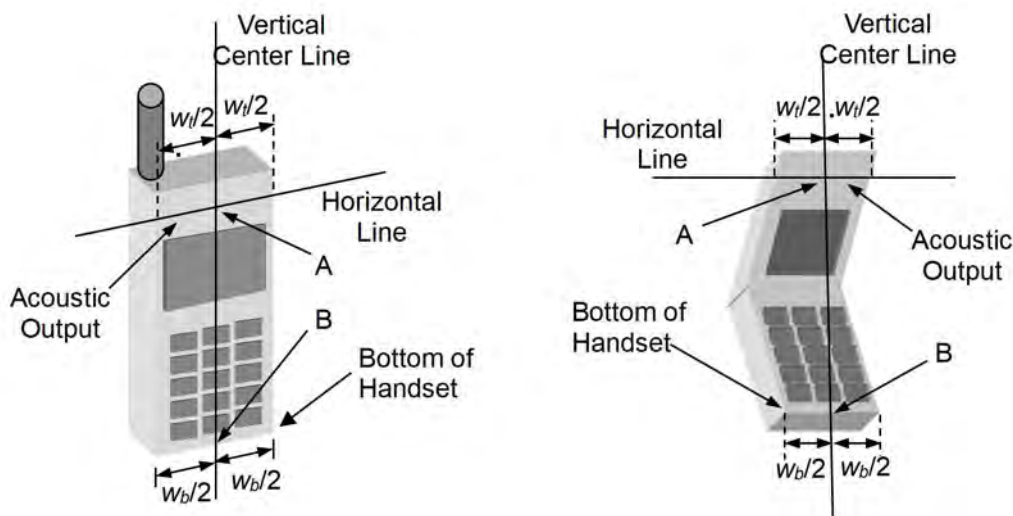


Fig-4.1 Illustration for Handset Vertical and Horizontal Reference Lines

2. Cheek Position

- (a) To position the device with the vertical center line of the body of the device and the horizontal line crossing the center piece 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 three 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.
- (b) To move the device towards the phantom with the ear piece aligned with the line LE-RE until the phone touched the ear. While maintaining the device in the reference plane and maintaining the phone contact with the 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 (see Fig-4.2).



Fig-4.2 Illustration for Cheek Position

3. Tilted Position

- To position the device in the “cheek” position described above.
- While maintaining the device 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 contact with the ear is lost (see Fig-4.3).

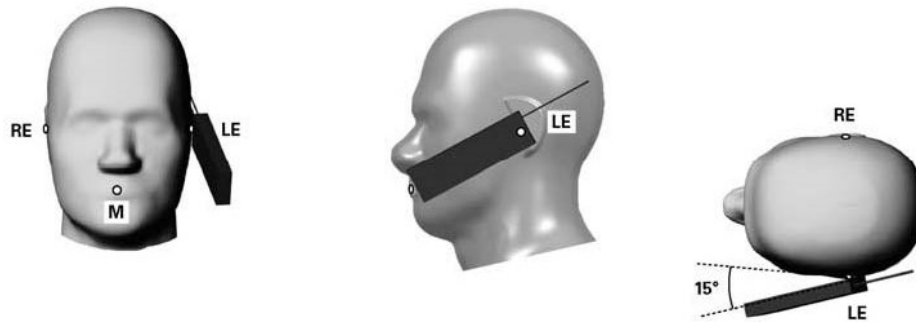


Fig-4.3 Illustration for Tilted Position

4.2.2 Body-worn Accessory Exposure Conditions

Body-worn accessory exposure is typically related to voice mode operations when handsets are carried in body-worn accessories. The body-worn accessory procedures in KDB 447498 D01 are used to test for body-worn accessory SAR compliance, without a headset connected to it. This enables the test results for such configuration to be compatible with that required for hotspot mode when the body-worn accessory test separation distance is greater than or equal to that required for hotspot mode. When the reported SAR for a body-worn accessory, measured without a headset connected to the handset, is $> 1.2 \text{ W/kg}$, the highest reported SAR configuration for that wireless mode and frequency band should be repeated for that body-worn accessory with a headset attached to the handset.

Body-worn accessories that do not contain metallic or conductive components may be tested according to worst-case exposure configurations, typically according to the smallest test separation distance required for the group of body-worn accessories with similar operating and exposure characteristics. All body-worn accessories containing metallic components are tested in conjunction with the host device.

Body-worn accessory SAR compliance is based on a single minimum test separation distance for all wireless and operating modes applicable to each body-worn accessory used by the host, and according to the relevant voice and/or data mode transmissions and operations. If a body-worn accessory supports voice only operations in its normal and expected use conditions, testing of data mode for body-worn compliance is not required.

A conservative minimum test separation distance for supporting off-the-shelf body-worn accessories that may be acquired by users of consumer handsets is used to test for body-worn accessory SAR compliance. This distance is determined by the handset manufacturer, according to the requirements of Supplement C 01-01. Devices that are designed to operate on the body of users using lanyards and straps, or without requiring additional body-worn accessories, will be tested using a conservative minimum test separation distance $\leq 5 \text{ mm}$ to support compliance.

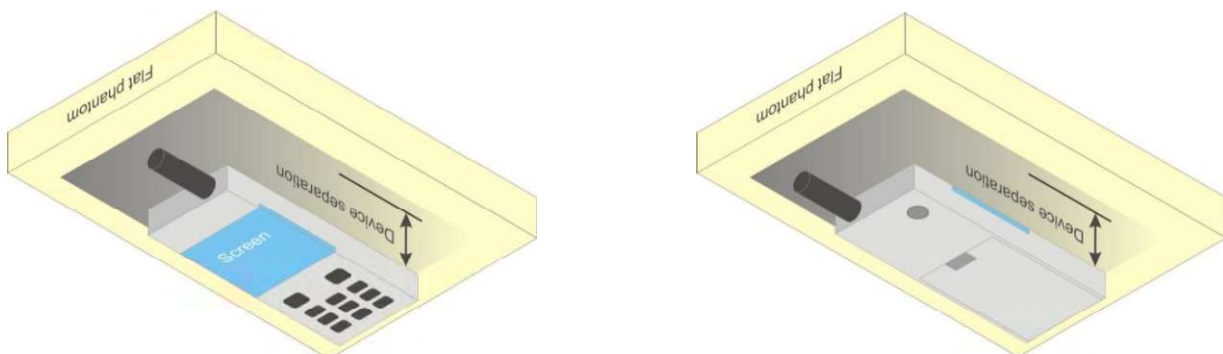
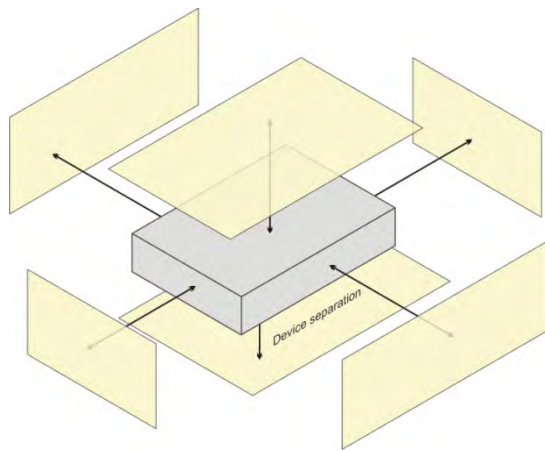


Fig-4.4 Illustration for Body Worn Position

4.2.3 Hotspot Mode Exposure Conditions

For handsets that support hotspot mode operations, with wireless router capabilities and various web browsing functions, the relevant hand and body exposure conditions are tested according to the hotspot SAR procedures in KDB 941225 D06. A test separation distance of 10 mm is required between the phantom and all surfaces and edges with a transmitting antenna located within 25 mm from that surface or edge. When the form factor of a handset is smaller than 9 cm x 5 cm, a test separation distance of 5 mm (instead of 10 mm) is required for testing hotspot mode. When the separation distance required for body-worn accessory testing is larger than or equal to that tested for hotspot mode, in the same wireless mode and for the same surface of the phone, the hotspot mode SAR data may be used to support body-worn accessory SAR compliance for that particular configuration (surface).



Based on the antenna location shown on appendix F of this report, the SAR testing required for hotspot mode is listed as below.

Antenna	To Top Side (mm)	To Bottom Side (mm)	To Left Side (mm)	To Right Side (mm)
Antenna 0		V	V	V
Antenna 2	V		V	V
Antenna 3	V		V	V
Antenna 5	V		V	V

4.2.4 Extremity Exposure Conditions

For smart phones with a display diagonal dimension > 15 cm or an overall diagonal dimension > 16 cm that provide similar mobile web access and multimedia support found in mini-tablets or UMPC mini-tablets that support voice calls next to the ear, the following phablet procedures should be applied to evaluate SAR compliance for each applicable wireless mode and frequency band. Devices marketed as phablets, regardless of form factors and operating characteristics must be tested as a phablet to determine SAR compliance.

1. The normally required head and body-worn accessory SAR test procedures for handsets, including hotspot mode, must be applied.
2. The UMPC mini-tablet procedures must also be applied to test the SAR of all surfaces and edges with an antenna located at ≤ 25 mm from that surface or edge, in direct contact with a flat phantom, for 10-g extremity SAR according to the body-equivalent tissue dielectric parameters in KDB 865664 to address interactive hand use exposure conditions. The UMPC mini-tablet 1-g SAR at 5 mm is not required. When hotspot mode applies, 10-g extremity SAR is required only for the surfaces and edges with hotspot mode 1-g SAR > 1.2 W/kg. The normal tablet procedures in KDB 616217 are required when the over diagonal dimension of the device is > 20 cm. Hotspot mode SAR is not required when normal tablet procedures are applied. Extremity 10-g SAR is also not required for the front (top) surface of large form factor full size tablets. The more conservative tablet SAR results can be used to support the 10-g extremity SAR for phablet mode.
3. The simultaneous transmission operating configurations applicable to voice and data transmissions for both phone and mini-tablet modes must be taken into consideration separately for 1-g and 10-g SAR to determine the simultaneous transmission SAR test exclusion and measurement requirements for the relevant wireless modes and exposure conditions.

4.2.5 SAR Text Exclusion Evaluations

For NFC:

1. Maximum output power = 2000 mW
2. Duty Cycle = 99%
3. Length of each event = 0.5 second
4. Events per observation period = 2 times
5. Observation period = 360 seconds

Based on the above data, calculated the time-averaged power: $(2000 \times 0.99 \times 0.5 \times 2) / 360 = 5.5$ mW.

According to KDB 447498 D01v06, the SAR test exclusion condition is based on source-based time-averaged maximum conducted output power, adjusted for tune-up tolerance, and the minimum test separation distance required for the exposure conditions. The SAR exclusion threshold is determined by the following.

Mode	Max. Tune-up Power (mW)	Ant. to Surface (mm)	Exemption limit (mW)	Require SAR Testing?
NFC (13.56MHz)	5.5	5	442	No

4.3 Tissue Verification

The measuring results for tissue simulating liquid are shown as below.

Test Date	Tissue Type	Frequency (MHz)	Liquid Temp. (°C)	Measured Conductivity (σ)	Measured Permittivity (ϵ_r)	Target Conductivity (σ)	Target Permittivity (ϵ_r)	Conductivity Deviation (%)	Permittivity Deviation (%)
Jun. 05, 2026	HSL	750	22.2	0.919	40.30	0.89	41.90	3.26	-3.82
Jun. 01, 2026	HSL	835	22.1	0.914	40.80	0.90	41.50	1.56	-1.69
Jun. 23, 2026	HSL	900	22.3	0.974	40.50	0.97	41.50	0.41	-2.41
Jun. 05, 2026	HSL	1750	22.1	1.400	40.20	1.370	40.10	2.19	0.25
Jun. 03, 2026	HSL	1950	21.9	1.440	40.70	1.510	40.30	-4.64	0.99
Jun. 16, 2026	HSL	2450	22.2	1.760	38.60	1.800	39.20	-2.22	-1.53
Jun. 22, 2026	HSL	2450	22.2	1.830	38.40	1.800	39.20	1.67	-2.04
Jun. 09, 2026	HSL	2550	22.3	1.850	37.30	1.909	39.07	-3.10	-4.54
Jun. 17, 2026	HSL	5250	22.2	4.580	37.60	4.710	35.90	-2.76	4.74
Jun. 18, 2026	HSL	5600	22.5	4.970	35.20	5.070	35.50	-1.97	-0.85

Note:

The dielectric properties of the tissue simulating liquid must be measured within 24 hours before the SAR testing and within $\pm 5\%$ of the target values. Liquid temperature during the SAR testing must be within $\pm 2^\circ\text{C}$.

4.4 System Verification

The measuring result for system verification is tabulated as below.

<1g SAR>

Test Date	Mode	Frequency (MHz)	1W Target SAR-1g (W/kg)	Measured SAR-1g (W/kg)	Normalized to 1W SAR-1g (W/kg)	Deviation (%)	Dipole S/N	Probe S/N	DAE S/N
Jun. 05, 2026	Head	750	8.42	0.823	8.23	-2.26	1200	7801	1779
Jun. 01, 2026	Head	835	9.63	0.983	9.83	2.08	4d265	7801	1779
Jun. 23, 2026	Head	900	10.8	1.08	10.80	0.00	1d111	7801	1779
Jun. 05, 2026	Head	1750	36.7	3.56	35.60	-3.00	1176	7801	1779
Jun. 03, 2026	Head	1950	40.8	4.27	42.70	4.66	1229	7801	1779
Jun. 2, 2026	Head	2450	53.3	5.14	51.40	-3.56	1048	7801	1779
Jun. 16, 2026	Head	2450	53.3	5.13	51.30	-3.75	1048	7801	1779
Jun. 09, 2026	Head	2550	55.3	5.36	53.60	-3.07	1022	7801	1779
Jun. 17, 2026	Head	5250	77.3	7.44	74.40	-3.75	1315	7801	1779
Jun. 18, 2026	Head	5600	81.7	7.92	79.20	-3.06	1315	7801	1779

<10g SAR>

Test Date	Mode	Frequency (MHz)	1W Target SAR-10g (W/kg)	Measured SAR-10g (W/kg)	Normalized to 1W SAR-10g (W/kg)	Deviation (%)	Dipole S/N	Probe S/N	DAE S/N
Jun. 05, 2026	Head	750	5.55	0.55	5.50	-0.90	1200	7801	1779
Jun. 01, 2026	Head	835	6.33	0.647	6.47	2.21	4d265	7801	1779
Jun. 23, 2026	Head	900	6.98	0.712	7.12	2.01	1d111	7801	1779
Jun. 05, 2026	Head	1750	19.5	1.92	19.20	-1.54	1176	7801	1779
Jun. 03, 2026	Head	1950	20.9	2.13	21.30	1.91	1229	7801	1779
Jun. 2, 2026	Head	2450	24.6	2.43	24.30	-1.22	1048	7801	1779
Jun. 16, 2026	Head	2450	24.6	2.34	23.40	-4.88	1048	7801	1779
Jun. 09, 2026	Head	2550	25.5	2.48	24.80	-2.75	1022	7801	1779
Jun. 17, 2026	Head	5250	21.6	2.18	21.80	0.93	1315	7801	1779
Jun. 18, 2026	Head	5600	22.7	2.26	22.60	-0.44	1315	7801	1779

Note:

Comparing to the reference SAR value provided by SPEAG, the validation data should be within its specification of 10 %. The result indicates the system check can meet the variation criterion and the plots can be referred to Appendix A of this report.

4.5 Maximum Output Power

4.5.1 Maximum Conducted Power

The maximum conducted average power (Unit: dBm) including tune-up tolerance please refer to Appendix D.

4.5.2 Measured Conducted Power Result

The measuring conducted average power (Unit: dBm) please refer to Appendix D.

4.6 SAR Testing Results

4.6.1 SAR Test Reduction Considerations

<KDB 447498 D01, General RF Exposure Guidance>

Testing of other required channels within the operating mode of a frequency band is not required when the reported SAR for the mid-band or highest output power channel is:

- (1) ≤ 0.8 W/kg or 2.0 W/kg, for 1-g or 10-g respectively, when the transmission band is ≤ 100 MHz
- (2) ≤ 0.6 W/kg or 1.5 W/kg, for 1-g or 10-g respectively, when the transmission band is between 100 MHz and 200 MHz
- (3) ≤ 0.4 W/kg or 1.0 W/kg, for 1-g or 10-g respectively, when the transmission band is ≥ 200 MHz

<KDB 941225 D01, 3G SAR Measurement Procedures>

The mode tested for SAR is referred to as the primary mode. The equivalent modes considered for SAR test reduction are denoted as secondary modes. Both primary and secondary modes must be in the same frequency band. When the maximum output power and tune-up tolerance specified for production units in a secondary mode is $\leq 1/4$ dB higher than the primary mode or when the highest reported SAR of the primary mode is scaled by the ratio of specified maximum output power and tune-up tolerance of secondary to primary mode and the adjusted SAR is ≤ 1.2 W/kg, SAR measurement is not required for the secondary mode.

<KDB 941225 D05, SAR Evaluation Considerations for LTE Devices>

- (1) QPSK with 1 RB and 50% RB allocation

Start with the largest channel bandwidth and measure SAR, using the RB offset and required test channel combination with the highest maximum output power among RB offsets at the upper edge, middle and lower edge of each required test channel. When the reported SAR is ≤ 0.8 W/kg, testing of the remaining RB offset configurations and required test channels is not required; otherwise, SAR is required for the remaining required test channels and only for the RB offset configuration with the highest output power for that channel. When the reported SAR of a required test channel is > 1.45 W/kg, SAR is required for all three RB offset configurations for that required test channel.

- (2) 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 1 RB allocations and the highest reported SAR for 1 RB and 50% RB allocation are ≤ 0.8 W/kg. Otherwise, SAR is measured for the highest output power channel; and if the reported SAR is > 1.45 W/kg, the remaining required test channels must also be tested.

- (3) Higher order modulations

SAR is required only when the highest maximum output power for the configuration in the higher order modulation is $> 1/2$ dB higher than the same configuration in QPSK or when the reported SAR for the QPSK configuration is > 1.45 W/kg.

(4) Other channel bandwidth

SAR is required when the highest maximum output power of the smaller channel bandwidth is $> 1/2$ dB higher than the equivalent channel configurations in the largest channel bandwidth configuration or the reported SAR of a configuration for the largest channel bandwidth is > 1.45 W/kg.

<KDB 248227 D01, SAR Guidance for Wi-Fi Transmitters>

- (1) For handsets operating next to ear, hotspot mode or mini-tablet configurations, the initial test position procedures were applied. The test position with the highest extrapolated peak SAR will be used as the initial test position. When the reported SAR of initial test position is ≤ 0.4 W/kg, SAR testing for remaining test positions is not required. Otherwise, SAR is evaluated at the subsequent highest peak SAR positions until the reported SAR result is ≤ 0.8 W/kg or all test positions are measured.
- (2) For WLAN 2.4 GHz, the highest measured maximum output power channel for DSSS was selected for SAR measurement. When the reported SAR is ≤ 0.8 W/kg, no further SAR testing is required. Otherwise, SAR is evaluated at the next highest measured output power channel. When any reported SAR is > 1.2 W/kg, SAR is required for the third channel. For OFDM modes (802.11g/n), SAR is not required when the highest reported SAR for DSSS is adjusted by the ratio of OFDM to DSSS specified maximum output power and it is ≤ 1.2 W/kg.
- (3) For WLAN 5 GHz, the initial test configuration was selected according to the transmission mode with the highest maximum output power. When the reported SAR of initial test configuration is > 0.8 W/kg, SAR is required for the subsequent highest measured output power channel until the reported SAR result is ≤ 1.2 W/kg or all required channels are measured. For other transmission modes, SAR is not required when the highest reported SAR for initial test configuration is adjusted by the ratio of subsequent test configuration to initial test configuration specified maximum output power and it is ≤ 1.2 W/kg.
- (4) For WLAN MIMO mode, the power-based standalone SAR test exclusion or the sum of SAR provision in KDB 447498 to determine simultaneous transmission SAR test exclusion should be applied. Otherwise, SAR for MIMO mode will be measured with all applicable antennas transmitting simultaneously at the specified maximum output power of MIMO operation.

4.6.2 SAR Results for Head Exposure Condition

Plot No.	Band	Mode	Test Position	Ch.	RB Size	RB offset	Antenna	Power State	Duty Cycle %	Max. Tune-up Power (dBm)	Measured Conducted Power (dBm)	Power Drift (dB)	Measured SAR-1g (W/kg)	Duty Cycle Scaling Factor	Tune-up Scaling Factor	Scaled SAR-1g (W/kg)
P01	GSM850	GPRS 2Tx Slot	Right Cheek	251	-	-	Ant0	Full	-	30.90	30.56	0.00	0.282	1.000	1.081	0.28
	GSM850	GPRS 2Tx Slot	Right Tilted	251	-	-	Ant0	Full	-	30.90	30.56	0.06	0.103	1.000	1.081	0.11
	GSM850	GPRS 2Tx Slot	Left Cheek	251	-	-	Ant0	Full	-	30.90	30.56	0.03	0.247	1.000	1.081	0.27
	GSM850	GPRS 2Tx Slot	Left Tilted	251	-	-	Ant0	Full	-	30.90	30.56	0.02	0.137	1.000	1.081	0.15
	GSM850	GPRS 2Tx Slot	Right Cheek	128	-	-	Ant0	Full	-	30.90	30.47	0.08	0.258	1.000	1.104	0.29
	GSM850	GPRS 2Tx Slot	Right Cheek	189	-	-	Ant0	Full	-	30.90	30.40	-0.04	0.324	1.000	1.122	0.36
P02	GSM1900	GPRS 2Tx Slot	Right Cheek	810	-	-	Ant0	Full	-	27.90	27.09	0.00	0.151	1.000	1.205	0.18
	GSM1900	GPRS 2Tx Slot	Right Tilted	810	-	-	Ant0	Full	-	27.90	27.09	-0.04	0.054	1.000	1.205	0.07
	GSM1900	GPRS 2Tx Slot	Left Cheek	810	-	-	Ant0	Full	-	27.90	27.09	0.03	0.114	1.000	1.205	0.14
	GSM1900	GPRS 2Tx Slot	Left Tilted	810	-	-	Ant0	Full	-	27.90	27.09	0.05	0.057	1.000	1.205	0.07
	GSM1900	GPRS 2Tx Slot	Right Cheek	512	-	-	Ant0	Full	-	27.90	26.95	0.08	0.092	1.000	1.245	0.11
	GSM1900	GPRS 2Tx Slot	Right Cheek	661	-	-	Ant0	Full	-	27.90	27.06	0.04	0.101	1.000	1.213	0.12
P03	WCDMA II	RMC12.2K	Right Cheek	9538	-	-	Ant0	Full	-	24.30	23.76	-0.02	0.325	1.000	1.132	0.37
	WCDMA II	RMC12.2K	Right Tilted	9538	-	-	Ant0	Full	-	24.30	23.76	-0.03	0.106	1.000	1.132	0.12
	WCDMA II	RMC12.2K	Left Cheek	9538	-	-	Ant0	Full	-	24.30	23.76	0.05	0.245	1.000	1.132	0.28
	WCDMA II	RMC12.2K	Left Tilted	9538	-	-	Ant0	Full	-	24.30	23.76	0.08	0.122	1.000	1.132	0.14
	WCDMA II	RMC12.2K	Right Cheek	9262	-	-	Ant0	Full	-	24.30	23.71	0.05	0.268	1.000	1.146	0.31
	WCDMA II	RMC12.2K	Right Cheek	9400	-	-	Ant0	Full	-	24.30	23.70	-0.01	0.263	1.000	1.148	0.30
P04	WCDMA IV	RMC12.2K	Right Cheek	1312	-	-	Ant0	Full	-	24.30	23.74	0.06	0.065	1.000	1.138	0.07
	WCDMA IV	RMC12.2K	Right Tilted	1312	-	-	Ant0	Full	-	24.30	23.74	-0.07	0.072	1.000	1.138	0.08
	WCDMA IV	RMC12.2K	Left Cheek	1312	-	-	Ant0	Full	-	24.30	23.74	0.04	0.170	1.000	1.138	0.19
	WCDMA IV	RMC12.2K	Left Tilted	1312	-	-	Ant0	Full	-	24.30	23.74	0.05	0.055	1.000	1.138	0.06
	WCDMA IV	RMC12.2K	Left Cheek	1413	-	-	Ant0	Full	-	24.30	23.54	-0.01	0.161	1.000	1.191	0.19
	WCDMA IV	RMC12.2K	Left Cheek	1513	-	-	Ant0	Full	-	24.30	23.45	0.02	0.148	1.000	1.216	0.18
P05	WCDMA V	RMC12.2K	Right Cheek	4233	-	-	Ant0	Full	-	24.30	24.06	-0.01	0.301	1.000	1.057	0.32
	WCDMA V	RMC12.2K	Right Tilted	4233	-	-	Ant0	Full	-	24.30	24.06	-0.02	0.121	1.000	1.057	0.13
	WCDMA V	RMC12.2K	Left Cheek	4233	-	-	Ant0	Full	-	24.30	24.06	-0.03	0.318	1.000	1.057	0.34
	WCDMA V	RMC12.2K	Left Tilted	4233	-	-	Ant0	Full	-	24.30	24.06	-0.01	0.186	1.000	1.057	0.20
	WCDMA V	RMC12.2K	Right Cheek	4132	-	-	Ant0	Full	-	24.30	23.88	-0.01	0.302	1.000	1.102	0.33
	WCDMA V	RMC12.2K	Right Cheek	4182	-	-	Ant0	Full	-	24.30	23.91	-0.07	0.308	1.000	1.094	0.34
P06	LTE B2	QPSK20M	Right Cheek	19100	1	50	Ant0	Full	-	24.30	23.38	0.05	0.159	1.000	1.236	0.20
	LTE B2	QPSK20M	Right Tilted	19100	1	50	Ant0	Full	-	24.30	23.38	-0.03	0.100	1.000	1.236	0.12
	LTE B2	QPSK20M	Left Cheek	19100	1	50	Ant0	Full	-	24.30	23.38	-0.04	0.326	1.000	1.236	0.40
	LTE B2	QPSK20M	Left Tilted	19100	1	50	Ant0	Full	-	24.30	23.38	-0.01	0.106	1.000	1.236	0.13
	LTE B2	QPSK20M	Right Cheek	19100	50	25	Ant0	Full	-	23.30	22.64	-0.02	0.131	1.000	1.164	0.15
	LTE B2	QPSK20M	Right Tilted	19100	50	25	Ant0	Full	-	23.30	22.64	-0.07	0.081	1.000	1.164	0.09
	LTE B2	QPSK20M	Left Cheek	19100	50	25	Ant0	Full	-	23.30	22.64	0.05	0.297	1.000	1.164	0.35
	LTE B2	QPSK20M	Left Tilted	19100	50	25	Ant0	Full	-	23.30	22.64	0.08	0.086	1.000	1.164	0.10
	LTE B2	QPSK20M	Left Cheek	18700	1	50	Ant0	Full	-	24.30	23.33	0.05	0.293	1.000	1.250	0.37
	LTE B2	QPSK20M	Left Cheek	18900	1	50	Ant0	Full	-	24.30	23.37	-0.01	0.304	1.000	1.239	0.38
P07	LTE B4	QPSK20M	Right Cheek	20175	1	99	Ant0	Full	-	24.30	23.01	0.01	0.072	1.000	1.346	0.10
	LTE B4	QPSK20M	Right Tilted	20175	1	99	Ant0	Full	-	24.30	23.01	-0.01	0.049	1.000	1.346	0.07
	LTE B4	QPSK20M	Left Cheek	20175	1	99	Ant0	Full	-	24.30	23.01	-0.02	0.178	1.000	1.346	0.24
	LTE B4	QPSK20M	Left Tilted	20175	1	99	Ant0	Full	-	24.30	23.01	0.04	0.000	1.000	1.346	0.00
	LTE B4	QPSK20M	Right Cheek	20175	50	50	Ant0	Full	-	23.30	22.13	0.05	0.058	1.000	1.309	0.08
	LTE B4	QPSK20M	Right Tilted	20175	50	50	Ant0	Full	-	23.30	22.13	-0.01	0.044	1.000	1.309	0.06
	LTE B4	QPSK20M	Left Cheek	20175	50	50	Ant0	Full	-	23.30	22.13	-0.07	0.140	1.000	1.309	0.18
	LTE B4	QPSK20M	Left Tilted	20175	50	50	Ant0	Full	-	23.30	22.13	0.05	0.000	1.000	1.309	0.00
	LTE B4	QPSK20M	Left Cheek	20050	1	99	Ant0	Full	-	24.30	22.91	0.08	0.163	1.000	1.377	0.22
	LTE B4	QPSK20M	Left Cheek	20300	1	99	Ant0	Full	-	24.30	22.97	-0.01	0.145	1.000	1.358	0.20
P08	LTE B5	QPSK10M	Right Cheek	20600	1	0	Ant0	Full	-	24.30	23.56	0.03	0.342	1.000	1.186	0.41
	LTE B5	QPSK10M	Right Tilted	20600	1	0	Ant0	Full	-	24.30	23.56	0.01	0.187	1.000	1.186	0.22
	LTE B5	QPSK10M	Left Cheek	20600	1	0	Ant0	Full	-	24.30	23.56	-0.01	0.392	1.000	1.186	0.47
	LTE B5	QPSK10M	Left Tilted	20600	1	0	Ant0	Full	-	24.30	23.56	-0.05	0.245	1.000	1.186	0.29
	LTE B5	QPSK10M	Right Cheek	20600	25	0	Ant0	Full	-	23.30	22.59	-0.09	0.270	1.000	1.178	0.32
	LTE B5	QPSK10M	Right Tilted	20600	25	0	Ant0	Full	-	23.30	22.59	0.06	0.145	1.000	1.178	0.17
	LTE B5	QPSK10M	Left Cheek	20600	25	0	Ant0	Full	-	23.30	22.59	0.02	0.383	1.000	1.178	0.45
	LTE B5	QPSK10M	Left Tilted	20600	25	0	Ant0	Full	-	23.30	22.59	0.08	0.203	1.000	1.178	0.24
	LTE B5	QPSK10M	Left Cheek	20450	1	0	Ant0	Full	-	24.30	23.44	0.04	0.390	1.000	1.219	0.48
	LTE B5	QPSK10M	Left Cheek	20525	1	0	Ant0	Full	-	24.30	23.53	0.01	0.425	1.000	1.194	0.51
P09	LTE B12	QPSK10M	Right Cheek	23060	1	24	Ant0	Full	-	24.30	23.65	0.08	0.128	1.000	1.161	0.15
	LTE B12	QPSK10M	Right Tilted	23060	1	24	Ant0	Full	-	24.30	23.65	-0.01	0.064	1.000	1.161	0.07
	LTE B12	QPSK10M	Left Cheek	23060	1	24	Ant0	Full	-	24.30	23.65	-0.03	0.199	1.000	1.161	0.23
	LTE B12	QPSK10M	Left Tilted	23060	1	24	Ant0	Full	-	24.30	23.65	-0.01	0.103	1.000	1.161	0.12
	LTE B12	QPSK10M	Right Cheek	23060	25	12	Ant0	Full	-	23.30	22.68	-0.07	0.102	1.000	1.153	0.12
	LTE B12	QPSK10M	Right Tilted	23060	25	12	Ant0	Full	-	23.30	22.68	0.05	0.051	1.000	1.153	0.06
	LTE B12	QPSK10M	Left Cheek	23060	25	12	Ant0	Full	-	23.30	22.68	-0.03	0.198	1.000	1.153	0.23
	LTE B12	QPSK10M	Left Tilted	23060	25	12	Ant0	Full	-	23.30	22.68	-0.01	0.084	1.000	1.153	0.10
	LTE B12	QPSK10M	Left Cheek	23095	1	24	Ant0	Full	-	24.30	23.58	-0.01	0.178	1.000	1.180	0.21
	LTE B12	QPSK10M	Left Cheek	23130	1	24	Ant0	Full	-	24.30	23.64	-0.01	0.222	1.000	1.164	0.26
P10	LTE B41	QPSK20M	Right Cheek	41490	1	0	Ant0	Full	62.9	24.30	23.60	-0.01	0.117	1.006	1.175	0.14
	LTE B41	QPSK20M	Right Tilted	41490	1	0	Ant0	Full	62.9	24.30	23.60	0.05	0.078	1.006	1.175	0.09
	LTE B41	QPSK20M	Left Cheek	41490	1	0	Ant0	Full	62.9	24.30	23.60	-0.01	0.263	1.006	1.175	0.31
	LTE B41	QPSK20M	Left Tilted	41490	1	0	Ant0	Full	62.9	24.30	23.60	0.05	0.057	1.006	1.175	0.07
	LTE B41	QPSK20M	Right Cheek	41490	50	0	Ant0	Full	62.9	23.30	22.67	0.03	0.087	1.006	1.156	0.10
	LTE B41	QPSK20M	Right Tilted	41490	50	0	Ant0	Full	62.9	23.30	22.67	0.00	0.061	1.006	1.156	0.07
	LTE B41	QPSK20M	Left Cheek	41490	50	0	Ant0	Full	62.9	23.30	22.67	0.06	0.219	1.006	1.156	0.26
	LTE B41	QPSK20M	Left Tilted	41490	50	0	Ant0	Full	62.9	23.30	22.67	0.03	0.045	1.006	1.156	0.05
	LTE B41	QPSK20M	Left Cheek	39750	1	0	Ant0	Full	62.9	24.30	23.54	0.02	0.190	1.006	1.191	0.23

Plot No.	Band	Mode	Test Position	Ch.	RB Size	RB offset	Antenna	Power State	Duty Cycle %	Max. Tune-up Power (dBm)	Measured Conducted Power (dBm)	Power Drift (dB)	Measured SAR-1g (W/kg)	Duty Cycle Scaling Factor	Tune-up Scaling Factor	Scaled SAR-1g (W/kg)
	LTE B41 CA	QPSK20M	Left Cheek	PCC 40521 SCC 40719	1	99	Ant0	Full	62.9	24.30	23.58	-0.03	0.247	1.006	1.180	0.29
	WLAN2.4G	11AX20MIMO 26Tone RU0	Right Cheek	11	-	-	Ant3	Full	94.41	12.00	11.22	0.02	0.044	1.059	1.197	0.06
	WLAN2.4G	11AX20MIMO 26Tone RU0	Right Tilted	11	-	-	Ant3	Full	94.41	12.00	11.22	0.06	0.000	1.059	1.197	0.00
	WLAN2.4G	11AX20MIMO 26Tone RU0	Left Cheek	11	-	-	Ant3	Full	94.41	12.00	11.22	0.00	0.049	1.059	1.197	0.06
	WLAN2.4G	11AX20MIMO 26Tone RU0	Left Tilted	11	-	-	Ant3	Full	94.41	12.00	11.22	0.05	0.000	1.059	1.197	0.00
	WLAN2.4G	11AX20MIMO 52Tone RU37	Right Cheek	11	-	-	Ant5	Full	94.41	12.00	10.85	-0.01	0.067	1.059	1.303	0.09
	WLAN2.4G	11AX20MIMO 52Tone RU37	Right Tilted	11	-	-	Ant5	Full	94.41	12.00	10.85	0.06	0.000	1.059	1.303	0.00
	WLAN2.4G	11AX20MIMO 52Tone RU37	Left Cheek	11	-	-	Ant5	Full	94.41	12.00	10.85	-0.01	0.049	1.059	1.303	0.07
	WLAN2.4G	11AX20MIMO 52Tone RU37	Left Tilted	11	-	-	Ant5	Full	94.41	12.00	10.85	0.05	0.000	1.059	1.303	0.00
P11	WLAN2.4G	11AX20MIMO 26Tone RU0	Right Cheek	11	-	-	Ant3+5	Full	94.41	15.00	14.01	-0.03	0.075	1.059	1.256	0.10
	WLAN2.4G	11AX20MIMO 26Tone RU0	Right Tilted	11	-	-	Ant3+5	Full	94.41	15.00	14.01	-0.01	0.041	1.059	1.256	0.06
	WLAN2.4G	11AX20MIMO 26Tone RU0	Left Cheek	11	-	-	Ant3+5	Full	94.41	15.00	14.01	0.06	0.063	1.059	1.256	0.08
	WLAN2.4G	11AX20MIMO 26Tone RU0	Left Tilted	11	-	-	Ant3+5	Full	94.41	15.00	14.01	0.02	0.045	1.059	1.256	0.06
	WLAN5.3G	802.11ac-VHT80 MCS0	Right Cheek	58	-	-	Ant3	Full	100	12.00	10.05	0.06	0.054	1.000	1.567	0.09
	WLAN5.3G	802.11ac-VHT80 MCS0	Right Tilted	58	-	-	Ant3	Full	100	12.00	10.05	0.06	0.000	1.000	1.567	0.00
P12	WLAN5.3G	802.11ac-VHT80 MCS0	Left Cheek	58	-	-	Ant3	Full	100	12.00	10.05	-0.18	0.139	1.000	1.567	0.22
	WLAN5.3G	802.11ac-VHT80 MCS0	Left Tilted	58	-	-	Ant3	Full	100	12.00	10.05	-0.01	0.048	1.000	1.567	0.08
	WLAN5.3G	802.11ac-VHT80 MCS0	Right Cheek	58	-	-	Ant5	Full	100	12.00	10.97	0.02	0.048	1.000	1.268	0.06
	WLAN5.3G	802.11ac-VHT80 MCS0	Right Tilted	58	-	-	Ant5	Full	100	12.00	10.97	-0.01	0.000	1.000	1.268	0.00
	WLAN5.3G	802.11ac-VHT80 MCS0	Left Cheek	58	-	-	Ant5	Full	100	12.00	10.97	0.05	0.044	1.000	1.268	0.06
	WLAN5.3G	802.11ac-VHT80 MCS0	Left Tilted	58	-	-	Ant5	Full	100	12.00	10.97	-0.01	0.000	1.000	1.268	0.00
	WLAN5.3G	802.11ac-VHT80 MCS0	Right Cheek	58	-	-	Ant3+5	Full	100	15.00	13.54	0.10	0.051	1.000	1.400	0.07
	WLAN5.3G	802.11ac-VHT80 MCS0	Right Tilted	58	-	-	Ant3+5	Full	100	15.00	13.54	-0.01	0.019	1.000	1.400	0.03
	WLAN5.3G	802.11ac-VHT80 MCS0	Left Cheek	58	-	-	Ant3+5	Full	100	15.00	13.54	0.04	0.012	1.000	1.400	0.02
	WLAN5.3G	802.11ac-VHT80 MCS0	Left Tilted	58	-	-	Ant3+5	Full	100	15.00	13.54	0.06	0.020	1.000	1.400	0.03
	WLAN5.5G	802.11a 6Mbps	Right Cheek	140	-	-	Ant3	Full	100	12.00	10.43	0.02	0.054	1.000	1.435	0.08
	WLAN5.5G	802.11a 6Mbps	Right Tilted	140	-	-	Ant3	Full	100	12.00	10.43	0.03	0.000	1.000	1.435	0.00
	WLAN5.5G	802.11a 6Mbps	Left Cheek	140	-	-	Ant3	Full	100	12.00	10.43	0.05	0.115	1.000	1.435	0.17
	WLAN5.5G	802.11a 6Mbps	Left Tilted	140	-	-	Ant3	Full	100	12.00	10.43	0.08	0.043	1.000	1.435	0.06
	WLAN5.5G	802.11a 6Mbps	Left Cheek	100	-	-	Ant3	Full	100	12.00	10.15	-0.02	0.103	1.000	1.531	0.16
P13	WLAN5.5G	802.11a 6Mbps	Left Cheek	116	-	-	Ant3	Full	100	12.00	10.08	-0.14	0.117	1.000	1.556	0.18
	WLAN5.5G	802.11ax-HE40 MCS0	Right Cheek	110	-	-	Ant5	Full	100	12.00	11.07	0.06	0.042	1.000	1.239	0.05
	WLAN5.5G	802.11ax-HE40 MCS0	Right Tilted	110	-	-	Ant5	Full	100	12.00	11.07	0.01	0.000	1.000	1.239	0.00
	WLAN5.5G	802.11ax-HE40 MCS0	Left Cheek	110	-	-	Ant5	Full	100	12.00	11.07	0.10	0.038	1.000	1.239	0.05
	WLAN5.5G	802.11ax-HE40 MCS0	Left Tilted	110	-	-	Ant5	Full	100	12.00	11.07	0.09	0.000	1.000	1.239	0.00
	WLAN5.5G	802.11ax-HE40 MCS0	Right Cheek	102	-	-	Ant5	Full	100	12.00	10.67	-0.01	0.035	1.000	1.358	0.05
	WLAN5.5G	802.11ax-HE40 MCS0	Right Cheek	134	-	-	Ant5	Full	100	12.00	10.59	0.04	0.022	1.000	1.384	0.03
	WLAN5.5G	802.11a 6Mbps	Right Cheek	140	-	-	Ant3+5	Full	100	15.00	13.69	0.13	0.056	1.000	1.352	0.08
	WLAN5.5G	802.11a 6Mbps	Right Tilted	140	-	-	Ant3+5	Full	100	15.00	13.69	0.09	0.000	1.000	1.352	0.00
	WLAN5.5G	802.11a 6Mbps	Left Cheek	140	-	-	Ant3+5	Full	100	15.00	13.69	-0.20	0.109	1.000	1.352	0.15
	WLAN5.5G	802.11a 6Mbps	Left Tilted	140	-	-	Ant3+5	Full	100	15.00	13.69	0.02	0.047	1.000	1.352	0.06
	WLAN5.5G	802.11a 6Mbps	Left Cheek	100	-	-	Ant3+5	Full	100	12.00	13.29	0.01	0.083	1.000	0.743	0.06
	WLAN5.5G	802.11a 6Mbps	Left Cheek	116	-	-	Ant3+5	Full	100	12.00	13.09	0.02	0.084	1.000	0.778	0.07
	BT	GFSK	Right Cheek	78	-	-	Ant3	Full	77.07	16.36	15.67	0.06	0.104	1.081	1.172	0.13
	BT	GFSK	Right Tilted	78	-	-	Ant3	Full	77.07	16.36	15.67	0.08	0.000	1.081	1.172	0.00
P14	BT	GFSK	Left Cheek	78	-	-	Ant3	Full	77.07	16.36	15.67	-0.14	0.199	1.081	1.172	0.25
	BT	GFSK	Left Tilted	78	-	-	Ant3	Full	77.07	16.36	15.67	0.08	0.077	1.081	1.172	0.10
	BT	GFSK	Left Cheek	0	-	-	Ant3	Full	77.07	16.36	15.14	-0.15	0.154	1.081	1.324	0.22
	BT	GFSK	Left Cheek	39	-	-	Ant3	Full	77.07	16.36	15.23	0.03	0.149	1.081	1.297	0.21
	BT	GFSK	Right Cheek	78	-	-	Ant5	Full	77.07	15.16	14.88	0.08	0.105	1.081	1.067	0.12
	BT	GFSK	Right Tilted	78	-	-	Ant5	Full	77.07	15.16	14.88	0.00	0.000	1.081	1.067	0.00
	BT	GFSK	Left Cheek	78	-	-	Ant5	Full	77.07	15.16	14.88	0.00	0.000	1.081	1.067	0.00
	BT	GFSK	Left Tilted	78	-	-	Ant5	Full	77.07	15.16	14.88	0.00	0.000	1.081	1.067	0.00
	BT	GFSK	Right Cheek	0	-	-	Ant5	Full	77.07	15.16	14.72	-0.14	0.087	1.081	1.107	0.10
	BT	GFSK	Right Cheek	39	-	-	Ant5	Full	77.07	15.16	14.31	-0.06	0.079	1.081	1.216	0.10
P15	Halow	1M	Right Cheek	46	-	-	Ant2	Full	99.24	13.35	12.81	0.05	0.098	1.008	1.132	0.11
	Halow	1M	Right Tilted	46	-	-	Ant2	Full	99.24	13.35	12.81	0.04	0.075	1.008	1.132	0.09
	Halow	1M	Left Cheek	46	-	-	Ant2	Full	99.24	13.35	12.81	-0.12	0.081	1.008	1.132	0.09
	Halow	1M	Left Tilted	46	-	-	Ant2	Full	99.24	13.35	12.81	-0.03	0.066	1.008	1.132	0.08

4.6.3 SAR Results for Body-worn Exposure Condition (Separation Distance is 1.5 cm Gap)

Plot No.	Band	Mode	Test Position	Ch.	RB Size	RB Offset	Antenna	Power State	Duty Cycle %	Max. Tune-up Power (dBm)	Measured Conducted Power (dBm)	Power Drift (dB)	Measured SAR-1g (W/kg)	Duty Cycle Scaling Factor	Tune-up Scaling Factor	Scaled SAR-1g (W/kg)
	GSM850	GPRS 2Tx Slot	Front Face	251	-	-	Ant0	Full	-	30.90	30.56	0.03	0.167	1.000	1.081	0.18
	GSM850	GPRS 2Tx Slot	Rear Face	251	-	-	Ant0	Full	-	30.90	30.56	0.01	0.144	1.000	1.081	0.16
P16	GSM850	GPRS 2Tx Slot	Rear Face	128	-	-	Ant0	Full	-	30.90	30.47	0.03	0.256	1.000	1.104	0.28
	GSM850	GPRS 2Tx Slot	Rear Face	189	-	-	Ant0	Full	-	30.90	30.40	0.08	0.137	1.000	1.122	0.15
	GSM1900	GPRS 2Tx Slot	Front Face	810	-	-	Ant0	Full	-	27.90	27.09	0.08	0.112	1.000	1.205	0.14
	GSM1900	GPRS 2Tx Slot	Rear Face	810	-	-	Ant0	Full	-	27.90	27.09	-0.01	0.130	1.000	1.205	0.16
	GSM1900	GPRS 2Tx Slot	Rear Face	512	-	-	Ant0	Full	-	27.90	26.95	0.11	0.119	1.000	1.245	0.15
	GSM1900	GPRS 2Tx Slot	Rear Face	661	-	-	Ant0	Full	-	27.90	27.06	0.03	0.126	1.000	1.213	0.15
	WCDMA II	RMC12.2K	Front Face	9538	-	-	Ant0	Full	-	24.30	23.76	0.04	0.172	1.000	1.132	0.20
	WCDMA II	RMC12.2K	Rear Face	9538	-	-	Ant0	Full	-	24.30	23.76	-0.02	0.226	1.000	1.132	0.26
	WCDMA II	RMC12.2K	Rear Face	9262	-	-	Ant0	Full	-	24.30	23.71	0.03	0.192	1.000	1.146	0.22
	WCDMA II	RMC12.2K	Rear Face	9400	-	-	Ant0	Full	-	24.30	23.70	0.00	0.190	1.000	1.148	0.22
	WCDMA IV	RMC12.2K	Front Face	1312	-	-	Ant0	Full	-	24.30	23.74	0.08	0.114	1.000	1.138	0.13

Plot No.	Band	Mode	Test Position	Ch.	RB Size	RB Offset	Antenna	Power State	Duty Cycle %	Max. Tune-up Power (dBm)	Measured Conducted Power (dBm)	Power Drift (dB)	Measured SAR-1g (W/kg)	Duty Cycle Scaling Factor	Tune-up Scaling Factor	Scaled SAR-1g (W/kg)
P19	WCDMA IV	RMC12.2K	Rear Face	1312	-	-	Ant0	Full	-	24.30	23.74	-0.03	0.279	1.000	1.138	0.32
	WCDMA IV	RMC12.2K	Rear Face	1413	-	-	Ant0	Full	-	24.30	23.54	0.11	0.246	1.000	1.191	0.29
	WCDMA IV	RMC12.2K	Rear Face	1513	-	-	Ant0	Full	-	24.30	23.45	-0.03	0.318	1.000	1.216	0.39
P20	WCDMA V	RMC12.2K	Front Face	4233	-	-	Ant0	Full	-	24.30	24.06	0.00	0.149	1.000	1.057	0.16
	WCDMA V	RMC12.2K	Rear Face	4233	-	-	Ant0	Full	-	24.30	24.06	-0.05	0.227	1.000	1.057	0.24
	WCDMA V	RMC12.2K	Rear Face	4132	-	-	Ant0	Full	-	24.30	23.88	-0.03	0.185	1.000	1.102	0.20
	WCDMA V	RMC12.2K	Rear Face	4182	-	-	Ant0	Full	-	24.30	23.91	0.06	0.180	1.000	1.094	0.20
P21	LTE B2	QPSK20M	Front Face	19100	1	50	Ant0	Full	-	24.30	23.38	-0.03	0.147	1.000	1.236	0.18
	LTE B2	QPSK20M	Rear Face	19100	1	50	Ant0	Full	-	24.30	23.38	-0.03	0.177	1.000	1.236	0.22
	LTE B2	QPSK20M	Front Face	19100	50	25	Ant0	Full	-	23.30	22.64	0.11	0.110	1.000	1.164	0.13
	LTE B2	QPSK20M	Rear Face	19100	50	25	Ant0	Full	-	23.30	22.64	0.03	0.167	1.000	1.164	0.19
P22	LTE B4	QPSK20M	Front Face	20175	1	99	Ant0	Full	-	24.30	23.01	0.11	0.135	1.000	1.346	0.18
	LTE B4	QPSK20M	Rear Face	20175	1	99	Ant0	Full	-	24.30	23.01	-0.02	0.257	1.000	1.346	0.35
	LTE B4	QPSK20M	Front Face	20175	50	50	Ant0	Full	-	23.30	22.13	0.02	0.136	1.000	1.309	0.18
	LTE B4	QPSK20M	Rear Face	20175	50	50	Ant0	Full	-	23.30	22.13	0.03	0.227	1.000	1.309	0.30
P23	LTE B5	QPSK10M	Front Face	20600	1	0	Ant0	Full	-	24.30	23.56	0.08	0.181	1.000	1.186	0.22
	LTE B5	QPSK10M	Rear Face	20600	1	0	Ant0	Full	-	24.30	23.56	-0.01	0.279	1.000	1.186	0.33
	LTE B5	QPSK10M	Front Face	20600	25	0	Ant0	Full	-	23.30	22.59	0.02	0.143	1.000	1.178	0.17
	LTE B5	QPSK10M	Rear Face	20600	25	0	Ant0	Full	-	23.30	22.59	0.03	0.230	1.000	1.178	0.27
	LTE B5	QPSK10M	Rear Face	20450	1	0	Ant0	Full	-	24.30	23.44	0.06	0.252	1.000	1.219	0.31
	LTE B5	QPSK10M	Rear Face	20525	1	0	Ant0	Full	-	24.30	23.53	0.04	0.294	1.000	1.194	0.35
P24	LTE B12	QPSK10M	Front Face	23060	1	24	Ant0	Full	-	24.30	23.65	-0.03	0.125	1.000	1.161	0.15
	LTE B12	QPSK10M	Rear Face	23060	1	24	Ant0	Full	-	24.30	23.65	0.00	0.190	1.000	1.161	0.22
	LTE B12	QPSK10M	Front Face	23060	25	12	Ant0	Full	-	23.30	22.68	0.08	0.127	1.000	1.153	0.15
	LTE B12	QPSK10M	Rear Face	23060	25	12	Ant0	Full	-	23.30	22.68	0.03	0.152	1.000	1.153	0.18
	LTE B12	QPSK10M	Rear Face	23095	1	24	Ant0	Full	-	24.30	23.58	0.11	0.188	1.000	1.180	0.22
	LTE B12	QPSK10M	Rear Face	23130	1	24	Ant0	Full	-	24.30	23.64	-0.01	0.196	1.000	1.164	0.23
P25	LTE B41	QPSK20M	Front Face	41490	1	0	Ant0	Full	62.9	24.30	23.60	0.05	0.122	1.006	1.175	0.14
	LTE B41	QPSK20M	Rear Face	41490	1	0	Ant0	Full	62.9	24.30	23.60	0.02	0.380	1.006	1.175	0.45
	LTE B41	QPSK20M	Front Face	41490	50	0	Ant0	Full	62.9	23.30	22.67	0.06	0.077	1.006	1.156	0.09
	LTE B41	QPSK20M	Rear Face	41490	50	0	Ant0	Full	62.9	23.30	22.67	0.00	0.353	1.006	1.156	0.41
	LTE B41	QPSK20M	Rear Face	39750	1	0	Ant0	Full	62.9	24.30	23.54	0.03	0.382	1.006	1.191	0.46
	LTE B41	QPSK20M	Rear Face	40185	1	0	Ant0	Full	62.9	24.30	23.39	0.05	0.332	1.006	1.233	0.41
	LTE B41	QPSK20M	Rear Face	40620	1	0	Ant0	Full	62.9	24.30	23.57	-0.02	0.425	1.006	1.183	0.51
	LTE B41	QPSK20M	Rear Face	41055	1	0	Ant0	Full	62.9	24.30	23.29	0.02	0.318	1.006	1.262	0.40
	LTE B41	QPSK20M	Rear Face	39750	50	0	Ant0	Full	62.9	23.30	22.65	0.03	0.350	1.006	1.161	0.41
	LTE B41	QPSK20M	Rear Face	40185	50	0	Ant0	Full	62.9	23.30	22.42	-0.03	0.317	1.006	1.225	0.39
	LTE B41	QPSK20M	Rear Face	40620	50	0	Ant0	Full	62.9	23.30	22.27	0.03	0.376	1.006	1.268	0.48
	LTE B41	QPSK20M	Rear Face	41055	50	0	Ant0	Full	62.9	23.30	22.39	0.08	0.311	1.006	1.233	0.39
	LTE B41	QPSK20M	Rear Face	41490	100	0	Ant0	Full	62.9	23.30	22.56	0.00	0.329	1.006	1.186	0.39
	LTE B41 CA	QPSK20M	Rear Face	PCC 40521 SCC 40719	1	99	Ant0	Full	62.9	24.30	23.58	0.05	0.405	1.006	1.180	0.48
P26	LTE B41 CA	QPSK20M	Rear Face	PCC 39750 SCC 39948	1	99	Ant0	Full	62.9	24.30	23.41	0.06	0.400	1.006	1.227	0.49
	LTE B41 CA	QPSK20M	Rear Face	PCC 41292 SCC 41490	1	99	Ant0	Full	62.9	24.30	23.28	0.03	0.393	1.006	1.285	0.50
	LTE B41 CA	QPSK20M	Rear Face	PCC 41292 SCC 41490	1	99	Ant0	Full	62.9	24.30	23.28	0.03	0.393	1.006	1.285	0.50
P27	WLAN2.4G	11AX20MIMO 26Tone RU0	Front Face	11	-	-	Ant3	Full	94.41	12.00	11.22	-0.03	0.000	1.059	1.197	0.00
	WLAN2.4G	11AX20MIMO 26Tone RU0	Rear Face	11	-	-	Ant3	Full	94.41	12.00	11.22	0.08	0.000	1.059	1.197	0.00
	WLAN2.4G	11AX20MIMO 52Tone RU37	Front Face	11	-	-	Ant5	Full	94.41	12.00	10.85	0.02	0.000	1.059	1.303	0.00
	WLAN2.4G	11AX20MIMO 52Tone RU37	Rear Face	11	-	-	Ant5	Full	94.41	12.00	10.85	-0.09	0.026	1.059	1.303	0.04
P28	WLAN2.4G	11AX20MIMO 26Tone RU0	Front Face	11	-	-	Ant3+5	Full	94.41	15.00	14.01	0.03	0.000	1.059	1.256	0.00
	WLAN2.4G	11AX20MIMO 26Tone RU0	Rear Face	11	-	-	Ant3+5	Full	94.41	15.00	14.01	-0.05	0.024	1.059	1.256	0.03
	WLAN5.2G	802.11ac-VHT80 MCS0	Front Face	42	-	-	Ant3	Full	100	12.00	10.35	0.07	0.031	1.000	1.462	0.05
	WLAN5.2G	802.11ac-VHT80 MCS0	Rear Face	42	-	-	Ant3	Full	100	12.00	10.35	-0.01	0.054	1.000	1.462	0.08
P29	WLAN5.2G	802.11ac-VHT80 MCS0	Front Face	42	-	-	Ant5	Full	100	12.00	10.91	0.04	0.000	1.000	1.285	0.00
	WLAN5.2G	802.11ac-VHT80 MCS0	Rear Face	42	-	-	Ant5	Full	100	12.00	10.91	-0.07	0.034	1.000	1.285	0.04
	WLAN5.2G	802.11ac-VHT80 MCS0	Front Face	42	-	-	Ant3+5	Full	100	15.00	13.65	0.05	0.032	1.000	1.365	0.04
	WLAN5.2G	802.11ac-VHT80 MCS0	Rear Face	42	-	-	Ant3+5	Full	100	15.00	13.65	-0.02	0.068	1.000	1.365	0.09
P30	WLAN5.3G	802.11ac-VHT80 MCS0	Front Face	58	-	-	Ant3	Full	100	12.00	10.05	0.11	0.000	1.000	1.567	0.00
	WLAN5.3G	802.11ac-VHT80 MCS0	Rear Face	58	-	-	Ant3	Full	100	12.00	10.05	0.08	0.052	1.000	1.567	0.08
	WLAN5.3G	802.11ac-VHT80 MCS0	Front Face	58	-	-	Ant5	Full	100	12.00	10.97	0.03	0.000	1.000	1.268	0.00
	WLAN5.3G	802.11ac-VHT80 MCS0	Rear Face	58	-	-	Ant5	Full	100	12.00	10.97	-0.13	0.045	1.000	1.268	0.06
P31	WLAN5.3G	802.11ac-VHT80 MCS0	Front Face	58	-	-	Ant3+5	Full	100	15.00	13.54	0.06	0.000	1.000	1.400	0.00
	WLAN5.3G	802.11ac-VHT80 MCS0	Rear Face	58	-	-	Ant3+5	Full	100	15.00	13.54	0.05	0.066	1.000	1.400	0.09
	WLAN5.5G	802.11a 6Mbps	Front Face	140	-	-	Ant3	Full	100	12.00	10.43	0.00	0.000	1.000	1.435	0.00
	WLAN5.5G	802.11a 6Mbps	Rear Face	140	-	-	Ant3	Full	100	12.00	10.43	0.02	0.053	1.000	1.435	0.08
P32	WLAN5.5G	802.11ax-HE40 MCS0	Front Face	110	-	-	Ant5	Full	100	12.00	11.07	0.03	0.000	1.000	1.239	0.00
	WLAN5.5G	802.11ax-HE40 MCS0	Rear Face	110	-	-	Ant5	Full	100	12.00	11.07	0.00	0.056	1.000	1.239	0.07
	WLAN5.5G	802.11ax-HE40 MCS0	Rear Face	102	-	-	Ant5	Full	100	12.00	10.67	-0.09	0.058	1.000	1.358	0.08
	WLAN5.5G	802.11ax-HE40 MCS0	Rear Face	134	-	-	Ant5	Full	100	12.00	10.59	-0.03	0.052	1.000	1.384	0.07
P33	WLAN5.5G	802.11a 6Mbps	Front Face	140	-	-	Ant3+5	Full	100	15.00	13.69	0.11	0.053	1.000	1.352	0.07
	WLAN5.5G	802.11a 6Mbps	Rear Face	140	-	-	Ant3+5	Full	100	15.00	13.69	0.01	0.061	1.000	1.352	0.08
	BT	GFSK	Front Face	78	-	-	Ant3	Full	77.07	16.36	15.67	0.00	0.000	1.081	1.172	0.00
	BT	GFSK	Rear Face	78	-	-	Ant3	Full	77.07	16.36	15.67	0.08	0.024	1.081	1.172	0.03
P34	BT	GFSK	Front Face	78	-	-	Ant5	Full	77.07	15.16	14.88	0.00	0.000	1.081	1.067	0.00
	BT	GFSK	Rear Face	78	-	-	Ant5	Full	77.07	15.16	14.88	-0.15	0.052	1.081	1.067	0.06
	BT	GFSK	Rear Face	0	-	-	Ant5	Full	77.07	15.16	14.72	0.00	0.035	1.081	1.107	0.04
	BT	GFSK	Rear Face	39	-	-	Ant5	Full	77.07	15.16	14.31	-0.05	0.041	1.081	1.216	0.05

Plot No.	Band	Mode	Test Position	Ch.	RB Size	RB Offset	Antenna	Power State	Duty Cycle %	Max. Tune-up Power (dBm)	Measured Conducted Power (dBm)	Power Drift (dB)	Measured SAR-1g (W/kg)	Duty Cycle Scaling Factor	Tune-up Scaling Factor	Scaled SAR-1g (W/kg)
	Halow	1M	Front Face	46	-	-	Ant2	Full	99.24	13.35	12.81	0.00	0.000	1.008	1.132	0.00
P31	Halow	1M	Rear Face	46	-	-	Ant2	Full	99.24	13.35	12.81	0.04	0.019	1.008	1.132	0.02

4.6.4 SAR Results for Hotspot Exposure Condition (Separation Distance is 1.0 cm Gap)

Plot No.	Band	Mode	Test Position	Ch.	RB Size	RB Offset	Antenna	Power State	Duty Cycle %	Max. Tune-up Power (dBm)	Measured Conducted Power (dBm)	Power Drift (dB)	Measured SAR-1g (W/kg)	Duty Cycle Scaling Factor	Tune-up Scaling Factor	Scaled SAR-1g (W/kg)
	GSM850	GPRS 2Tx Slot	Front Face	251	-	-	Ant0	Full	-	30.90	30.56	0.03	0.300	1.000	1.081	0.32
	GSM850	GPRS 2Tx Slot	Rear Face	251	-	-	Ant0	Full	-	30.90	30.56	0.01	0.259	1.000	1.081	0.28
	GSM850	GPRS 2Tx Slot	Left Side	251	-	-	Ant0	Full	-	30.90	30.56	0.05	0.210	1.000	1.081	0.23
	GSM850	GPRS 2Tx Slot	Right Side	251	-	-	Ant0	Full	-	30.90	30.56	0.01	0.123	1.000	1.081	0.13
	GSM850	GPRS 2Tx Slot	Bottom Side	251	-	-	Ant0	Full	-	30.90	30.56	0.07	0.336	1.000	1.081	0.36
P32	GSM850	GPRS 2Tx Slot	Rear Face	128	-	-	Ant0	Full	-	30.90	30.47	-0.01	0.459	1.000	1.104	0.51
	GSM850	GPRS 2Tx Slot	Rear Face	189	-	-	Ant0	Full	-	30.90	30.40	0.08	0.246	1.000	1.122	0.28
	GSM1900	GPRS 2Tx Slot	Front Face	810	-	-	Ant0	Full	-	27.90	27.09	0.08	0.187	1.000	1.205	0.23
P33	GSM1900	GPRS 2Tx Slot	Rear Face	810	-	-	Ant0	Full	-	27.90	27.09	-0.01	0.218	1.000	1.205	0.26
	GSM1900	GPRS 2Tx Slot	Left Side	810	-	-	Ant0	Full	-	27.90	27.09	-0.11	0.144	1.000	1.205	0.17
	GSM1900	GPRS 2Tx Slot	Right Side	810	-	-	Ant0	Full	-	27.90	27.09	0.14	0.057	1.000	1.205	0.07
	GSM1900	GPRS 2Tx Slot	Bottom Side	810	-	-	Ant0	Full	-	27.90	27.09	0.01	0.122	1.000	1.205	0.15
	GSM1900	GPRS 2Tx Slot	Rear Face	512	-	-	Ant0	Full	-	27.90	26.95	0.11	0.200	1.000	1.245	0.25
	GSM1900	GPRS 2Tx Slot	Rear Face	661	-	-	Ant0	Full	-	27.90	27.06	0.03	0.214	1.000	1.213	0.26
	WCDMA II	RMC12.2K	Front Face	9538	-	-	Ant0	Full	-	24.30	23.76	0.04	0.378	1.000	1.132	0.43
P34	WCDMA II	RMC12.2K	Rear Face	9538	-	-	Ant0	Full	-	24.30	23.76	-0.09	0.498	1.000	1.132	0.56
	WCDMA II	RMC12.2K	Left Side	9538	-	-	Ant0	Full	-	24.30	23.76	0.03	0.441	1.000	1.132	0.50
	WCDMA II	RMC12.2K	Right Side	9538	-	-	Ant0	Full	-	24.30	23.76	0.01	0.110	1.000	1.132	0.13
	WCDMA II	RMC12.2K	Bottom Side	9538	-	-	Ant0	Full	-	24.30	23.76	0.07	0.226	1.000	1.132	0.26
	WCDMA II	RMC12.2K	Rear Face	9262	-	-	Ant0	Full	-	24.30	23.71	0.03	0.424	1.000	1.146	0.49
	WCDMA II	RMC12.2K	Rear Face	9400	-	-	Ant0	Full	-	24.30	23.70	0.00	0.418	1.000	1.148	0.48
	WCDMA IV	RMC12.2K	Front Face	1312	-	-	Ant0	Full	-	24.30	23.74	0.08	0.194	1.000	1.138	0.22
	WCDMA IV	RMC12.2K	Rear Face	1312	-	-	Ant0	Full	-	24.30	23.74	-0.03	0.474	1.000	1.138	0.54
	WCDMA IV	RMC12.2K	Left Side	1312	-	-	Ant0	Full	-	24.30	23.74	0.03	0.247	1.000	1.138	0.28
	WCDMA IV	RMC12.2K	Right Side	1312	-	-	Ant0	Full	-	24.30	23.74	0.01	0.051	1.000	1.138	0.06
	WCDMA IV	RMC12.2K	Bottom Side	1312	-	-	Ant0	Full	-	24.30	23.74	0.01	0.474	1.000	1.138	0.54
	WCDMA IV	RMC12.2K	Rear Face	1413	-	-	Ant0	Full	-	24.30	23.54	0.11	0.419	1.000	1.191	0.50
P35	WCDMA IV	RMC12.2K	Rear Face	1513	-	-	Ant0	Full	-	24.30	23.45	0.01	0.541	1.000	1.216	0.66
	WCDMA IV	RMC12.2K	Top Side	1513	-	-	Ant 4	DSI 5	-	17.00	16.25	0.11	0.075	1.000	1.189	0.09
	WCDMA V	RMC 12.2K	Front Face	4233	-	-	Ant 0	DSI 5	-	24.30	24.06	0.00	0.271	1.000	1.057	0.29
P36	WCDMA V	RMC12.2K	Rear Face	4233	-	-	Ant0	Full	-	24.30	24.06	-0.06	0.412	1.000	1.057	0.44
	WCDMA V	RMC12.2K	Left Side	4233	-	-	Ant0	Full	-	24.30	24.06	0.01	0.214	1.000	1.057	0.23
	WCDMA V	RMC12.2K	Right Side	4233	-	-	Ant0	Full	-	24.30	24.06	0.00	0.117	1.000	1.057	0.12
	WCDMA V	RMC12.2K	Bottom Side	4233	-	-	Ant0	Full	-	24.30	24.06	0.01	0.252	1.000	1.057	0.27
	WCDMA V	RMC12.2K	Rear Face	4132	-	-	Ant0	Full	-	24.30	23.88	-0.03	0.337	1.000	1.102	0.37
	WCDMA V	RMC12.2K	Rear Face	4182	-	-	Ant0	Full	-	24.30	23.91	0.06	0.328	1.000	1.094	0.36
	LTE B2	QPSK20M	Front Face	19100	1	50	Ant0	Full	-	24.30	23.38	-0.03	0.341	1.000	1.236	0.42
P37	LTE B2	QPSK20M	Rear Face	19100	1	50	Ant0	Full	-	24.30	23.38	-0.03	0.408	1.000	1.236	0.50
	LTE B2	QPSK20M	Left Side	19100	1	50	Ant0	Full	-	24.30	23.38	0.02	0.272	1.000	1.236	0.34
	LTE B2	QPSK20M	Right Side	19100	1	50	Ant0	Full	-	24.30	23.38	0.00	0.072	1.000	1.236	0.09
	LTE B2	QPSK20M	Bottom Side	19100	1	50	Ant0	Full	-	24.30	23.38	0.07	0.243	1.000	1.236	0.30
	LTE B2	QPSK20M	Front Face	19100	50	25	Ant0	Full	-	23.30	22.64	0.11	0.256	1.000	1.164	0.30
	LTE B2	QPSK20M	Rear Face	19100	50	25	Ant0	Full	-	23.30	22.64	0.03	0.388	1.000	1.164	0.45
	LTE B2	QPSK20M	Left Side	19100	50	25	Ant0	Full	-	23.30	22.64	0.00	0.385	1.000	1.164	0.45
	LTE B2	QPSK20M	Right Side	19100	50	25	Ant0	Full	-	23.30	22.64	-0.11	0.020	1.000	1.164	0.02
	LTE B2	QPSK20M	Bottom Side	19100	50	25	Ant0	Full	-	23.30	22.64	0.01	0.160	1.000	1.164	0.19
	LTE B2	QPSK20M	Rear Face	18700	1	50	Ant0	Full	-	24.30	23.33	0.08	0.358	1.000	1.250	0.45
	LTE B2	QPSK20M	Rear Face	18900	1	50	Ant0	Full	-	24.30	23.37	0.00	0.352	1.000	1.239	0.44
	LTE B4	QPSK20M	Front Face	20175	1	99	Ant0	Full	-	24.30	23.01	0.11	0.258	1.000	1.346	0.35
P38	LTE B4	QPSK20M	Rear Face	20175	1	99	Ant0	Full	-	24.30	23.01	-0.03	0.490	1.000	1.346	0.66
	LTE B4	QPSK20M	Left Side	20175	1	99	Ant0	Full	-	24.30	23.01	0.01	0.370	1.000	1.346	0.50
	LTE B4	QPSK20M	Right Side	20175	1	99	Ant0	Full	-	24.30	23.01	0.00	0.044	1.000	1.346	0.06
	LTE B4	QPSK20M	Bottom Side	20175	1	99	Ant0	Full	-	24.30	23.01	0.00	0.388	1.000	1.346	0.52
	LTE B4	QPSK20M	Front Face	20175	50	50	Ant0	Full	-	23.30	22.13	0.02	0.260	1.000	1.309	0.34
	LTE B4	QPSK20M	Rear Face	20175	50	50	Ant0	Full	-	23.30	22.13	0.03	0.433	1.000	1.309	0.57
	LTE B4	QPSK20M	Left Side	20175	50	50	Ant0	Full	-	23.30	22.13	0.01	0.332	1.000	1.309	0.44
	LTE B4	QPSK20M	Right Side	20175	50	50	Ant0	Full	-	23.30	22.13	0.05	0.000	1.000	1.309	0.00
	LTE B4	QPSK20M	Bottom Side	20175	50	50	Ant0	Full	-	23.30	22.13	-0.01	0.290	1.000	1.309	0.38
	LTE B4	QPSK20M	Rear Face	20050	1	99	Ant0	Full	-	24.30	22.91	0.06	0.409	1.000	1.377	0.56
	LTE B4	QPSK20M	Rear Face	20300	1	99	Ant0	Full	-	24.30	22.97	0.05	0.325	1.000	1.358	0.44
	LTE B5	QPSK10M	Front Face	20600	1	0	Ant0	Full	-	24.30	23.56	0.08	0.284	1.000	1.186	0.34
	LTE B5	QPSK10M	Rear Face	20600	1	0	Ant0	Full	-	24.30	23.56	-0.01	0.436	1.000	1.186	0.52
	LTE B5	QPSK10M	Left Side	20600	1	0	Ant0	Full	-	24.30	23.56	0.00	0.191	1.000	1.186	0.23
	LTE B5	QPSK10M	Right Side	20600	1	0	Ant0	Full	-	24.30	23.56	0.01	0.106	1.000	1.186	0.13
	LTE B5	QPSK10M	Bottom Side	20600	1	0	Ant0	Full	-	24.30	23.56	-0.11	0.297	1.000	1.186	0.35
	LTE B5	QPSK10M	Front Face	20600	25	0	Ant0	Full	-	23.30	22.59	0.02	0.224	1.000	1.178	0.26
	LTE B5	QPSK10M	Rear Face	20600	25	0	Ant0	Full	-	23.30	22.59	0.03	0.360	1.000	1.178	0.42
	LTE B5	QPSK10M	Left Side	20600	25	0	Ant0	Full	-	23.30	22.59	0.03	0.097	1.000	1.178	0.11
	LTE B5	QPSK10M	Right Side	20600	25	0	Ant0	Full	-	23.30	22.59	0.01	0.010	1.000	1.178	0.01
	LTE B5	QPSK10M	Bottom Side	20600	25	0	Ant0	Full	-	23.30	22.59	0.09	0.251	1.000	1.178	0.30
	LTE B5	QPSK10M	Rear Face	20450	1	0	Ant0	Full	-	24.30	23.44	0.06	0.394	1.000	1.219	0.48
P39	LTE B5	QPSK10M	Rear Face	20525	1	0	Ant0	Full	-	24.30	23.53	0.00	0.459	1.000	1.194	0.55
	LTE B12	QPSK10M	Front Face	23060	1	24	Ant0	Full	-	24.30	23.65	-0.03	0.140	1.000	1.161	0.16
	LTE B12	QPSK10M	Rear Face	23060	1	24	Ant0	Full	-	24.30	23.65	0.00	0.214	1.000	1.161	0.25
	LTE B12	QPSK10M	Left Side	23060	1	24	Ant0	Full	-	24.30	23.65	0.00	0.161	1.000	1.161	0.19

Plot No.	Band	Mode	Test Position	Ch.	RB Size	RB Offset	Antenna	Power State	Duty Cycle %	Max. Tune-up Power (dBm)	Measured Conducted Power (dBm)	Power Drift (dB)	Measured SAR-1g (W/kg)	Duty Cycle Scaling Factor	Tune-up Scaling Factor	Scaled SAR-1g (W/kg)
	LTE B12	QPSK10M	Right Side	23060	1	24	Ant0	Full	-	24.30	23.65	0.01	0.115	1.000	1.161	0.13
	LTE B12	QPSK10M	Bottom Side	23060	1	24	Ant0	Full	-	24.30	23.65	-0.11	0.114	1.000	1.161	0.13
	LTE B12	QPSK10M	Front Face	23060	25	12	Ant0	Full	-	23.30	22.68	0.08	0.143	1.000	1.153	0.17
	LTE B12	QPSK10M	Rear Face	23060	25	12	Ant0	Full	-	23.30	22.68	0.03	0.171	1.000	1.153	0.20
	LTE B12	QPSK10M	Left Side	23060	25	12	Ant0	Full	-	23.30	22.68	0.05	0.141	1.000	1.153	0.16
	LTE B12	QPSK10M	Right Side	23060	25	12	Ant0	Full	-	23.30	22.68	0.00	0.069	1.000	1.153	0.08
	LTE B12	QPSK10M	Bottom Side	23060	25	12	Ant0	Full	-	23.30	22.68	0.00	0.103	1.000	1.153	0.12
	LTE B12	QPSK10M	Rear Face	23095	1	24	Ant0	Full	-	24.30	23.58	0.11	0.211	1.000	1.180	0.25
P40	LTE B12	QPSK10M	Rear Face	23130	1	24	Ant0	Full	-	24.30	23.64	-0.07	0.221	1.000	1.164	0.26
	LTE B41	QPSK20M	Front Face	41490	1	0	Ant0	Full	62.9	24.30	23.60	0.05	0.277	1.006	1.175	0.33
	LTE B41	QPSK20M	Rear Face	41490	1	0	Ant0	Full	62.9	24.30	23.60	0.02	0.825	1.006	1.175	0.98
	LTE B41	QPSK20M	Left Side	41490	1	0	Ant0	Full	62.9	24.30	23.60	0.07	0.663	1.006	1.175	0.78
	LTE B41	QPSK20M	Right Side	41490	1	0	Ant0	Full	62.9	24.30	23.60	-0.01	0.042	1.006	1.175	0.05
	LTE B41	QPSK20M	Bottom Side	41490	1	0	Ant0	Full	62.9	24.30	23.60	0.00	0.069	1.006	1.175	0.08
	LTE B41	QPSK20M	Front Face	41490	50	0	Ant0	Full	62.9	23.30	22.67	0.06	0.178	1.006	1.156	0.21
	LTE B41	QPSK20M	Rear Face	41490	50	0	Ant0	Full	62.9	23.30	22.67	0.00	0.805	1.006	1.156	0.94
	LTE B41	QPSK20M	Left Side	41490	50	0	Ant0	Full	62.9	23.30	22.67	0.09	0.499	1.006	1.156	0.58
	LTE B41	QPSK20M	Right Side	41490	50	0	Ant0	Full	62.9	23.30	22.67	0.03	0.000	1.006	1.156	0.00
	LTE B41	QPSK20M	Bottom Side	41490	50	0	Ant0	Full	62.9	23.30	22.67	0.00	0.061	1.006	1.156	0.07
	LTE B41	QPSK20M	Rear Face	39750	1	0	Ant0	Full	62.9	24.30	23.54	0.03	0.869	1.006	1.191	1.04
	LTE B41	QPSK20M	Rear Face	40185	1	0	Ant0	Full	62.9	24.30	23.39	0.05	0.755	1.006	1.233	0.94
P41	LTE B41	QPSK20M	Rear Face	40620	1	0	Ant0	Full	62.9	24.30	23.57	-0.05	0.967	1.006	1.183	1.15
	LTE B41	QPSK20M	Rear Face	41055	1	0	Ant0	Full	62.9	24.30	23.29	0.02	0.723	1.006	1.262	0.92
	LTE B41	QPSK20M	Rear Face	39750	50	0	Ant0	Full	62.9	23.30	22.65	0.03	0.795	1.006	1.161	0.93
	LTE B41	QPSK20M	Rear Face	40185	50	0	Ant0	Full	62.9	23.30	22.42	-0.03	0.722	1.006	1.225	0.89
	LTE B41	QPSK20M	Rear Face	40620	50	0	Ant0	Full	62.9	23.30	22.27	0.03	0.855	1.006	1.268	1.09
	LTE B41	QPSK20M	Rear Face	41055	50	0	Ant0	Full	62.9	23.30	22.39	0.08	0.707	1.006	1.233	0.88
	LTE B41	QPSK20M	Rear Face	41490	100	0	Ant0	Full	62.9	23.30	22.56	0.00	0.749	1.006	1.186	0.89
	LTE B41 CA	QPSK20M	Rear Face	PCC 40521 SCC 40719	1	99	Ant0	Full	62.9	24.30	23.58	0.05	0.967	1.006	1.180	1.15
	LTE B41 CA	QPSK20M	Rear Face	PCC 39750 SCC 39948	1	99	Ant0	Full	62.9	24.30	23.41	0.06	0.911	1.006	1.227	1.13
	LTE B41 CA	QPSK20M	Rear Face	PCC 41262 SCC 41490	1	99	Ant0	Full	62.9	24.30	23.28	0.03	0.895	1.006	1.265	1.14
	WLAN2.4G	11AX20MIMO 26Tone RU0	Front Face	11	-	-	Ant3	Full	94.41	12.00	11.22	-0.03	0.000	1.059	1.197	0.00
	WLAN2.4G	11AX20MIMO 26Tone RU0	Rear Face	11	-	-	Ant3	Full	94.41	12.00	11.22	0.08	0.000	1.059	1.197	0.00
	WLAN2.4G	11AX20MIMO 26Tone RU0	Left Side	11	-	-	Ant3	Full	94.41	12.00	11.22	0.04	0.000	1.059	1.197	0.00
	WLAN2.4G	11AX20MIMO 26Tone RU0	Right Side	11	-	-	Ant3	Full	94.41	12.00	11.22	-0.19	0.043	1.059	1.197	0.05
	WLAN2.4G	11AX20MIMO 26Tone RU0	Top Side	11	-	-	Ant3	Full	94.41	12.00	11.22	0.02	0.000	1.059	1.197	0.00
P42	WLAN2.4G	11AX20MIMO 52Tone RU37	Front Face	11	-	-	Ant5	Full	94.41	12.00	10.85	0.02	0.000	1.059	1.303	0.00
	WLAN2.4G	11AX20MIMO 52Tone RU37	Rear Face	11	-	-	Ant5	Full	94.41	12.00	10.85	-0.12	0.078	1.059	1.303	0.11
	WLAN2.4G	11AX20MIMO 52Tone RU37	Left Side	11	-	-	Ant5	Full	94.41	12.00	10.85	0.04	0.045	1.059	1.303	0.06
	WLAN2.4G	11AX20MIMO 52Tone RU37	Right Side	11	-	-	Ant5	Full	94.41	12.00	10.85	0.05	0.000	1.059	1.303	0.00
	WLAN2.4G	11AX20MIMO 52Tone RU37	Top Side	11	-	-	Ant5	Full	94.41	12.00	10.85	-0.11	0.000	1.059	1.303	0.00
	WLAN2.4G	11AX20MIMO 26Tone RU0	Front Face	11	-	-	Ant3+5	Full	94.41	15.00	14.01	0.03	0.000	1.059	1.256	0.00
	WLAN2.4G	11AX20MIMO 26Tone RU0	Rear Face	11	-	-	Ant3+5	Full	94.41	15.00	14.01	-0.05	0.078	1.059	1.256	0.10
	WLAN2.4G	11AX20MIMO 26Tone RU0	Left Side	11	-	-	Ant3+5	Full	94.41	15.00	14.01	0.01	0.069	1.059	1.256	0.09
	WLAN2.4G	11AX20MIMO 26Tone RU0	Right Side	11	-	-	Ant3+5	Full	94.41	15.00	14.01	0.05	0.055	1.059	1.256	0.07
	WLAN2.4G	11AX20MIMO 26Tone RU0	Top Side	11	-	-	Ant3+5	Full	94.41	15.00	14.01	-0.11	0.000	1.059	1.256	0.00
	WLAN5.2G	802.11ac-VHT80 MCS0	Front Face	42	-	-	Ant3	Full	100	12.00	10.35	0.07	0.069	1.000	1.462	0.10
	WLAN5.2G	802.11ac-VHT80 MCS0	Rear Face	42	-	-	Ant3	Full	100	12.00	10.35	-0.01	0.114	1.000	1.462	0.17
	WLAN5.2G	802.11ac-VHT80 MCS0	Left Side	42	-	-	Ant3	Full	100	12.00	10.35	0.04	0.000	1.000	1.462	0.00
	WLAN5.2G	802.11ac-VHT80 MCS0	Right Side	42	-	-	Ant3	Full	100	12.00	10.35	-0.19	0.150	1.000	1.462	0.22
	WLAN5.2G	802.11ac-VHT80 MCS0	Top Side	42	-	-	Ant3	Full	100	12.00	10.35	0.05	0.000	1.000	1.462	0.00
	WLAN5.2G	802.11ac-VHT80 MCS0	Front Face	42	-	-	Ant5	Full	100	12.00	10.91	0.04	0.000	1.000	1.285	0.00
	WLAN5.2G	802.11ac-VHT80 MCS0	Rear Face	42	-	-	Ant5	Full	100	12.00	10.91	-0.07	0.074	1.000	1.285	0.10
	WLAN5.2G	802.11ac-VHT80 MCS0	Left Side	42	-	-	Ant5	Full	100	12.00	10.91	0.09	0.064	1.000	1.285	0.08
	WLAN5.2G	802.11ac-VHT80 MCS0	Right Side	42	-	-	Ant5	Full	100	12.00	10.91	0.05	0.000	1.000	1.285	0.00
	WLAN5.2G	802.11ac-VHT80 MCS0	Top Side	42	-	-	Ant5	Full	100	12.00	10.91	-0.11	0.000	1.000	1.285	0.00
	WLAN5.2G	802.11ac-VHT80 MCS0	Front Face	42	-	-	Ant3+5	Full	100	15.00	13.65	0.05	0.070	1.000	1.365	0.10
	WLAN5.2G	802.11ac-VHT80 MCS0	Rear Face	42	-	-	Ant3+5	Full	100	15.00	13.65	-0.11	0.145	1.000	1.365	0.20
	WLAN5.2G	802.11ac-VHT80 MCS0	Left Side	42	-	-	Ant3+5	Full	100	15.00	13.65	-0.03	0.060	1.000	1.365	0.08
P43	WLAN5.2G	802.11ac-VHT80 MCS0	Right Side	42	-	-	Ant3+5	Full	100	15.00	13.65	-0.08	0.170	1.000	1.365	0.23
	WLAN5.2G	802.11ac-VHT80 MCS0	Top Side	42	-	-	Ant3+5	Full	100	15.00	13.65	-0.09	0.000	1.000	1.365	0.00
	BT	GFSK	Front Face	78	-	-	Ant3	Full	77.07	16.36	15.67	0.00	0.000	1.081	1.172	0.00
	BT	GFSK	Rear Face	78	-	-	Ant3	Full	77.07	16.36	15.67	-0.05	0.077	1.081	1.172	0.10
	BT	GFSK	Left Side	78	-	-	Ant3	Full	77.07	16.36	15.67	0.00	0.000	1.081	1.172	0.00
	BT	GFSK	Right Side	78	-	-	Ant3	Full	77.07	16.36	15.67	0.04	0.120	1.081	1.172	0.15
	BT	GFSK	Top Side	78	-	-	Ant3	Full	77.07	16.36	15.67	0.00	0.000	1.081	1.172	0.00
	BT	GFSK	Right Side	0	-	-	Ant3	Full	77.07	16.36	15.14	0.02	0.097	1.081	1.324	0.14
	BT	GFSK	Right Side	39	-	-	Ant3	Full	77.07	16.36	15.23	-0.15	0.099	1.081	1.297	0.14
P44	BT	GFSK	Front Face	78	-	-	Ant5	Full	77.07	15.16	14.88	0.00	0.000	1.081	1.067	0.00
	BT	GFSK	Rear Face	78	-	-	Ant5	Full	77.07	15.16	14.88	0.05	0.183	1.081	1.067	0.21
	BT	GFSK	Left Side	78	-	-	Ant5	Full	77.07	15.16	14.88	0.00	0.000	1.081	1.067	0.00
	BT	GFSK	Right Side	78	-	-	Ant5	Full	77.07	15.16	14.88	0.00	0.000	1.081	1.067	0.00
	BT	GFSK	Top Side	78	-	-	Ant5	Full	77.07	15.16	14.88	0.00	0.000	1.081	1.067	0.00
	BT	GFSK	Rear Face	0	-	-	Ant5	Full	77.07	15.16	14.72	-0.02	0.140	1.081	1.107	0.17
	BT	GFSK	Rear Face	39	-	-	Ant5	Full	77.07	15.16	14.31	0.14	0.110	1.081	1.216	0.15
P45	Halow	1M	Front Face	46	-	-	Ant2	Full	99.24	13.35	12.81	0.00	0.000	1.008	1.132	0.00
	Halow	1M	Rear Face	46	-	-	Ant2	Full	99.24	13.35	12.81	0.08	0.041	1.008	1.132	0.05
	Halow	1M	Left Side	46	-	-	Ant2	Full	99.24	13.35	12.81	0.10	0.000	1.008	1.132	0.00
	Halow	1M	Right Side	46	-	-	Ant2	Full	99.24	13.35	12.81	0.00	0.000	1.008	1.132	0.00
	Halow	1M	Top Side	46	-	-	Ant2	Full	99.24	13.35	12.81	-0.06	0.030	1.008	1.132	0.03

4.6.5 SAR Results for Extremity Exposure Condition (Separation Distance is 0 cm Gap)

Plot No.	Band	Mode	Test Position	Separation Distance (cm)	Ch.	RB Size	RB Offset	Antenna	Power State	Duty Cycle %	Max. Tune-up Power (dBm)	Measured Conducted Power (dBm)	Power Drift (dB)	Measured SAR-10g (W/kg)	Duty Cycle Scaling Factor	Tune-up Scaling Factor	Scaled SAR-10g (W/kg)
P46	WLAN5.3G	802.11ac-VHT80 MCS0	Front Face	0cm	58	-	-	Ant3	Full	100	12.00	10.05	0.02	0.065	1.000	1.567	0.10
	WLAN5.3G	802.11ac-VHT80 MCS0	Rear Face	0cm	58	-	-	Ant3	Full	100	12.00	10.05	0.00	0.139	1.000	1.567	0.22
	WLAN5.3G	802.11ac-VHT80 MCS0	Left Side	0cm	58	-	-	Ant3	Full	100	12.00	10.05	-0.03	0.013	1.000	1.567	0.02
	WLAN5.3G	802.11ac-VHT80 MCS0	Right Side	0cm	58	-	-	Ant3	Full	100	12.00	10.05	-0.04	0.301	1.000	1.567	0.47
	WLAN5.3G	802.11ac-VHT80 MCS0	Top Side	0cm	58	-	-	Ant3	Full	100	12.00	10.05	0.10	0.000	1.000	1.567	0.00
	WLAN5.3G	802.11ac-VHT80 MCS0	Bottom Side	0cm	58	-	-	Ant3	Full	100	12.00	10.05	0.02	0.000	1.000	1.567	0.00
	WLAN5.3G	802.11ac-VHT80 MCS0	Front Face	0cm	58	-	-	Ant5	Full	100	12.00	10.97	0.00	0.034	1.000	1.268	0.04
	WLAN5.3G	802.11ac-VHT80 MCS0	Rear Face	0cm	58	-	-	Ant5	Full	100	12.00	10.97	-0.09	0.089	1.000	1.268	0.11
	WLAN5.3G	802.11ac-VHT80 MCS0	Left Side	0cm	58	-	-	Ant5	Full	100	12.00	10.97	0.07	0.082	1.000	1.268	0.10
	WLAN5.3G	802.11ac-VHT80 MCS0	Right Side	0cm	58	-	-	Ant5	Full	100	12.00	10.97	0.04	0.023	1.000	1.268	0.03
	WLAN5.3G	802.11ac-VHT80 MCS0	Top Side	0cm	58	-	-	Ant5	Full	100	12.00	10.97	0.02	0.011	1.000	1.268	0.01
	WLAN5.3G	802.11ac-VHT80 MCS0	Bottom Side	0cm	58	-	-	Ant5	Full	100	12.00	10.97	0.12	0.000	1.000	1.268	0.00
	WLAN5.3G	802.11ac-VHT80 MCS0	Front Face	0cm	58	-	-	Ant3+5	Full	100	15.00	13.54	0.07	0.064	1.000	1.400	0.09
	WLAN5.3G	802.11ac-VHT80 MCS0	Rear Face	0cm	58	-	-	Ant3+5	Full	100	15.00	13.54	0.00	0.146	1.000	1.400	0.20
	WLAN5.3G	802.11ac-VHT80 MCS0	Left Side	0cm	58	-	-	Ant3+5	Full	100	15.00	13.54	0.07	0.092	1.000	1.400	0.13
	WLAN5.3G	802.11ac-VHT80 MCS0	Right Side	0cm	58	-	-	Ant3+5	Full	100	15.00	13.54	0.01	0.302	1.000	1.400	0.42
	WLAN5.3G	802.11ac-VHT80 MCS0	Top Side	0cm	58	-	-	Ant3+5	Full	100	15.00	13.54	0.03	0.028	1.000	1.400	0.04
	WLAN5.3G	802.11ac-VHT80 MCS0	Bottom Side	0cm	58	-	-	Ant3+5	Full	100	15.00	13.54	0.02	0.000	1.000	1.400	0.00
	WLAN5.5G	802.11a 6Mbps	Front Face	0cm	140	-	-	Ant3	Full	100	12.00	10.43	-0.02	0.061	1.000	1.435	0.09
	WLAN5.5G	802.11a 6Mbps	Rear Face	0cm	140	-	-	Ant3	Full	100	12.00	10.43	0.05	0.125	1.000	1.435	0.18
P47	WLAN5.5G	802.11a 6Mbps	Left Side	0cm	140	-	-	Ant3	Full	100	12.00	10.43	0.02	0.027	1.000	1.435	0.04
	WLAN5.5G	802.11a 6Mbps	Right Side	0cm	140	-	-	Ant3	Full	100	12.00	10.43	0.12	0.200	1.000	1.435	0.29
	WLAN5.5G	802.11a 6Mbps	Top Side	0cm	140	-	-	Ant3	Full	100	12.00	10.43	-0.03	0.000	1.000	1.435	0.00
	WLAN5.5G	802.11a 6Mbps	Bottom Side	0cm	140	-	-	Ant3	Full	100	12.00	10.43	0.00	0.000	1.000	1.435	0.00
	WLAN5.5G	802.11a 6Mbps	Right Side	0cm	100	-	-	Ant3	Full	100	12.00	10.15	-0.04	0.201	1.000	1.531	0.31
	WLAN5.5G	802.11a 6Mbps	Right Side	0cm	116	-	-	Ant3	Full	100	12.00	10.08	0.07	0.182	1.000	1.556	0.28
	WLAN5.5G	802.11ax-HE40 MCS0	Front Face	0cm	110	-	-	Ant5	Full	100	12.00	11.07	0.00	0.034	1.000	1.239	0.04
	WLAN5.5G	802.11ax-HE40 MCS0	Rear Face	0cm	110	-	-	Ant5	Full	100	12.00	11.07	0.01	0.080	1.000	1.239	0.10
	WLAN5.5G	802.11ax-HE40 MCS0	Left Side	0cm	110	-	-	Ant5	Full	100	12.00	11.07	0.02	0.071	1.000	1.239	0.09
	WLAN5.5G	802.11ax-HE40 MCS0	Right Side	0cm	110	-	-	Ant5	Full	100	12.00	11.07	0.03	0.000	1.000	1.239	0.00
	WLAN5.5G	802.11ax-HE40 MCS0	Top Side	0cm	110	-	-	Ant5	Full	100	12.00	11.07	0.10	0.014	1.000	1.239	0.02
	WLAN5.5G	802.11ax-HE40 MCS0	Bottom Side	0cm	110	-	-	Ant5	Full	100	12.00	11.07	-0.02	0.000	1.000	1.239	0.00
	WLAN5.5G	802.11ax-HE40 MCS0	Rear Face	0cm	102	-	-	Ant5	Full	100	12.00	10.67	-0.07	0.082	1.000	1.358	0.11
	WLAN5.5G	802.11ax-HE40 MCS0	Rear Face	0cm	134	-	-	Ant5	Full	100	12.00	10.59	0.04	0.075	1.000	1.384	0.10
	WLAN5.5G	802.11a 6Mbps	Front Face	0cm	140	-	-	Ant3+5	Full	100	15.00	13.69	0.07	0.056	1.000	1.352	0.08
	WLAN5.5G	802.11a 6Mbps	Rear Face	0cm	140	-	-	Ant3+5	Full	100	15.00	13.69	-0.02	0.111	1.000	1.352	0.15
	WLAN5.5G	802.11a 6Mbps	Left Side	0cm	140	-	-	Ant3+5	Full	100	15.00	13.69	0.02	0.088	1.000	1.352	0.12
	WLAN5.5G	802.11a 6Mbps	Right Side	0cm	140	-	-	Ant3+5	Full	100	15.00	13.69	-0.03	0.166	1.000	1.352	0.22
	WLAN5.5G	802.11a 6Mbps	Top Side	0cm	140	-	-	Ant3+5	Full	100	15.00	13.69	0.00	0.035	1.000	1.352	0.05
	WLAN5.5G	802.11a 6Mbps	Bottom Side	0cm	140	-	-	Ant3+5	Full	100	15.00	13.69	0.05	0.000	1.000	1.352	0.00
	WLAN5.5G	802.11a 6Mbps	Right Side	0cm	100	-	-	Ant3+5	Full	100	15.00	13.29	-0.03	0.183	1.000	1.483	0.27
	WLAN5.5G	802.11a 6Mbps	Right Side	0cm	116	-	-	Ant3+5	Full	100	15.00	13.09	0.02	0.172	1.000	1.552	0.27

Note : When the hotspot SAR is adjusted for maximum tune-up tolerance and the result is <1.2W/kg, the extremity SAR is not required.

4.6.6 SAR Measurement Variability

According to KDB 865664 D01, SAR measurement variability was assessed for each frequency band, which is determined by the SAR probe calibration point and tissue-equivalent medium used for the device measurements. When both head and body tissue-equivalent media are required for SAR measurements in a frequency band, the variability measurement procedures should be applied to the tissue medium with the highest measured SAR, using the highest measured SAR configuration for that tissue-equivalent medium. Alternatively, if the highest measured SAR for both head and body tissue-equivalent media are ≤ 1.45 W/kg and the ratio of these highest SAR values, i.e., largest divided by smallest value, is ≤ 1.10 , the highest SAR configuration for either head or body tissue-equivalent medium may be used to perform the repeated measurement. These additional measurements are repeated after the completion of all measurements requiring the same head or body tissue-equivalent medium in a frequency band. The test device should be returned to ambient conditions (normal room temperature) with the battery fully charged before it is re-mounted on the device holder for the repeated measurement(s) to minimize any unexpected variations in the repeated results.

Since all the measured SAR are less than 0.8 W/kg, the repeated measurement is not required.

4.6.7 Simultaneous Multi-band Transmission Evaluation

The simultaneous transmission possibilities for this device are listed as below.

Simultaneous TX Combination	Capable Transmit Configurations	Head / Body-worn / Hotspot / Extremity
1	WWAN + WLAN(2.4GHz) Ant3 + Halow	Yes
2	WWAN + WLAN(2.4GHz) Ant5 + Halow	Yes
3	WWAN + WLAN(2.4GHz) Ant3+5 + Halow	Yes
4	WLAN(5GHz) Ant3 + BT + Halow	Yes
5	WLAN(5GHz) Ant5 + BT + Halow	Yes
6	WLAN(5GHz) Ant3+5 + BT + Halow	Yes
7	WLAN(6E) Ant3 + BT + Halow	Yes
8	WLAN(6E) Ant5 + BT + Halow	Yes
9	WLAN(6E) Ant3+5 + BT + Halow	Yes
10	WWAN +BT + Halow	Yes

Note:

The detailed sim-Tx analysis please refer to Appendix E.

<SAR Summation Analysis>

Simultaneous transmission SAR test exclusion is determined for each operating configuration and exposure condition according to the reported standalone SAR of each applicable simultaneous transmitting antenna. When the sum of SAR_{1g} of all simultaneously transmitting antennas in an operating mode and exposure condition combination is within the SAR limit (SAR_{1g} 1.6 W/kg), the simultaneous transmission SAR is not required. When the sum of SAR_{1g} is greater than the SAR limit (SAR_{1g} 1.6 W/kg), SAR test exclusion is determined by the SPLSR.

Note:

1. For the SAR of WLAN 6G in the simultaneous transmission evaluation, please refer to the WLAN 6G SAR test report (Report Number: SZ26060130S01, Issued By: Shenzhen Morlab Communications Technology Co., Ltd.
2. For the PD of WLAN 6G in the above simultaneous transmission evaluation, please refer to the WLAN 6G PD test report (Report Number: SZ26060130S01, Issued By: Shenzhen Morlab Communications Technology Co., Ltd.

Test Engineer : Jiawei Tu

5. Calibration of Test Equipment

Equipment	Manufacturer	Model	SN	Cal. Date	Next Cal. Date
System Validation Dipole	SPEAG	D750V3	1200	Nov. 07, 2024	Nov. 05, 2026
System Validation Dipole	SPEAG	D835V2	4d265	Nov. 04, 2024	Nov. 02, 2026
System Validation Dipole	SPEAG	D900V2	1d111	Nov. 06, 2024	Nov. 04, 2026
System Validation Dipole	SPEAG	D1750V2	1176	Nov. 06, 2024	Nov. 04, 2026
System Validation Dipole	SPEAG	D1950V3	1229	Nov. 07, 2024	Nov. 05, 2026
System Validation Dipole	SPEAG	D2450V2	1048	Nov. 06, 2024	Nov. 04, 2026
System Validation Dipole	SPEAG	D2550V2	1022	Jul. 04, 2025	Jul. 03, 2026
System Validation Dipole	SPEAG	D5GHzV2	1315	Nov. 05, 2024	Nov. 03, 2026
Data Acquisition Electronics	SPEAG	DAE4	1779	Jul. 08, 2025	Jul. 07, 2026
Dosimetric E-Field Probe	SPEAG	EX3DV4	7801	Jul. 22, 2025	Jul. 21, 2026
Radio Communication Analyzer	ANRITSU	MT8821C	6272416925	Jul. 02, 2024	Jul. 01, 2026
Magnetic Field Probe	SPEAG	DAK-3.5	1119	Feb. 19, 2026	Feb. 18, 2027
ENA Series Network Analyzer	SPEAG	DAKS VNA R140	121219	Feb. 19, 2026	Feb. 18, 2027
Power Meter	Rohde&Schwarz	NRX	1069082	Feb. 13, 2025	Feb. 12, 2027
Power Sensor	Rohde&Schwarz	NRP6A	101905	Feb. 13, 2025	Feb. 12, 2027
Power Sensor	Rohde&Schwarz	NRP6A	101904	Feb. 13, 2025	Feb. 12, 2027
ESG Analog Signal Generator	Rohde&Schwarz	SMB100A	183313	Oct. 31, 2025	Oct. 30, 2027
Coupler	HUAXIANG	SHX-DC0.4/12-20N	23062642	Aug. 18, 2025	Aug. 17, 2026
Temp.&Humi.Recorder	Deli	/	SAR2020009	Aug. 15, 2025	Aug. 14, 2027

Note:

- Referring to KDB 865664 D01 v01r04, the dipole calibration interval can be extended to 3 years with justification. The dipole are also not physically damaged, or repaired during the interval. The dipole justification can be found in appendix C.
The return loss is $< -20\text{dB}$, within 20% of prior calibration, the impedance is with 5ohm of prior calibration.

6. Measurement Uncertainty

DASY Uncertainty Budget According to IEEE 1528-2013 (0.3 - 6 GHz range)								
Error Description	Uncertainty Value (±%)	Probability	Divisor	(Ci) 1g	(Ci) 10g	Standard Uncertainty (1g) (±%)	Standard Uncertainty (10g) (±%)	(Vi) Veff
Measurement System								
Probe Calibration	6.95	N	1	1	1	6.95	6.95	∞
Axial Isotropy	4.70	R	1.732	0.7	0.7	1.90	1.90	∞
Hemispherical Isotropy	9.60	R	1.732	0.7	0.7	3.88	3.88	∞
Boundary Effects	2.00	R	1.732	1	1	1.15	1.15	∞
Linearity	4.70	R	1.732	1	1	2.71	2.71	∞
System Detection Limits	1.00	R	1.732	1	1	0.58	0.58	∞
Modulation Response	4.80	R	1.732	1	1	2.77	2.77	∞
Readout Electronics	0.30	N	1	1	1	0.30	0.30	∞
Response Time	0.00	R	1.732	1	1	0.00	0.00	∞
Integration Time	2.60	R	1.732	1	1	1.50	1.50	∞
RF Ambient Noise	3.00	R	1.732	1	1	1.73	1.73	∞
RF Ambient Reflections	3.00	R	1.732	1	1	1.73	1.73	∞
Probe Positioner	0.40	R	1.732	1	1	0.23	0.23	∞
Probe Positioning	6.70	R	1.732	1	1	3.87	3.87	∞
Max. SAR Eval.	4.00	R	1.732	1	1	2.31	2.31	∞
Test Sample Related								
Device Positioning	2.49	N	1	1	1	2.49	2.49	35
Device Holder	2.17	N	1	1	1	2.17	2.17	12
Power Drift	5.00	R	1.732	1	1	2.89	2.89	∞
Power Scaling	0.00	R	1.732	1	1	0.00	0.00	∞
Phantom and Setup								
Phantom Uncertainty	6.60	R	1.732	1	1	3.81	3.81	∞
SAR correction	1.20	R	1.732	1	0.84	0.69	0.58	∞
Liquid Conductivity (target)	10.00	R	1.732	0.78	0.71	4.50	4.10	∞
Liquid Conductivity (mea.)	2.50	R	1.732	0.78	0.71	1.13	1.02	∞
Temp. unc. - Conductivity	3.21	R	1.732	0.78	0.71	1.45	1.32	∞
Liquid Permittivity (target)	10.00	R	1.732	0.23	0.26	1.33	1.50	∞
Liquid Permittivity (mea.)	2.50	R	1.732	0.23	0.26	0.33	0.38	∞
Temp. unc. - Permittivity	0.72	R	1.732	0.23	0.26	0.10	0.11	∞
Combined Std. Uncertainty						13.1%	13.0%	5518
Coverage Factor for 95 %						K=2	K=2	
Expanded STD Uncertainty						26.2%	26.0%	

Uncertainty budget for frequency range 300 MHz to 6 GHz

7. Information on the Testing Laboratories

We, Boomwave Test (Shenzhen) Co., Ltd., were founded in 2025 to provide our best service in EMC, Radio, Telecom and Safety consultation. Our laboratories are accredited and approved according to ISO/IEC 17025.

If you have any comments, please feel free to contact us at the following:

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---END---

Appendix A. SAR Plots of System Verification

The plots for system verification with largest deviation for each SAR system combination are shown as follows.

System Cheek_HSL750_260605

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Dipole 750 MHz D750V3,	10.0 x 10.0 x 330.0		Dipole

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, -	FRONT, 15.00	D750	CW, -	750.000, 50	9.13	0.919	40.3

Hardware Setup

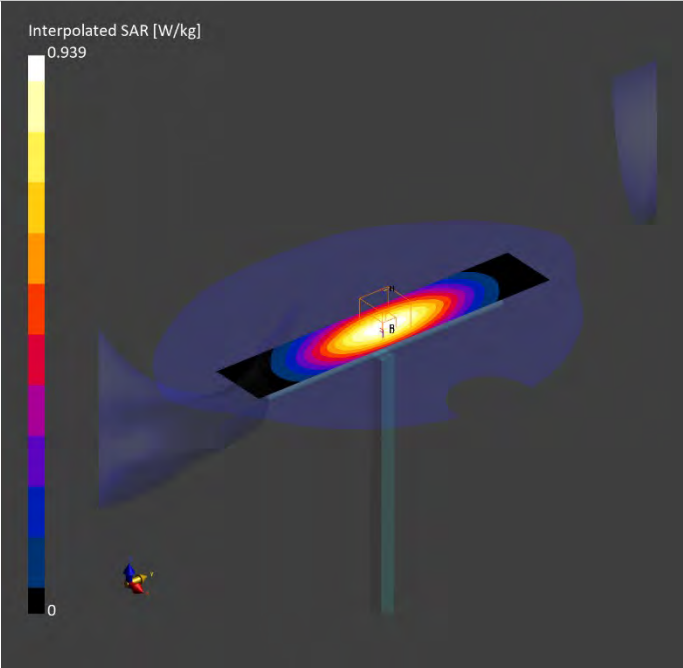
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2135	HSL750-2026-06-05	EX3DV4 - SN7801, 2025-07-22	DAE4 Sn1779, 2025-07-08

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	40.0 x 220.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 10.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2026-06-05	2026-06-05
psSAR1g [W/kg]	0.814	0.823
psSAR10g [W/kg]	0.544	0.550
Power Drift [dB]	0.01	0.00
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		88.9
Dist 3dB Peak [mm]		22.1



System Cheek_HSL835_260601

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Dipole 835 MHz D835V2,	10.0 x 10.0 x 340.0		Dipole

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, -	FRONT, 15.00	D835	CW, -	835.000, 50	8.95	0.914	40.8

Hardware Setup

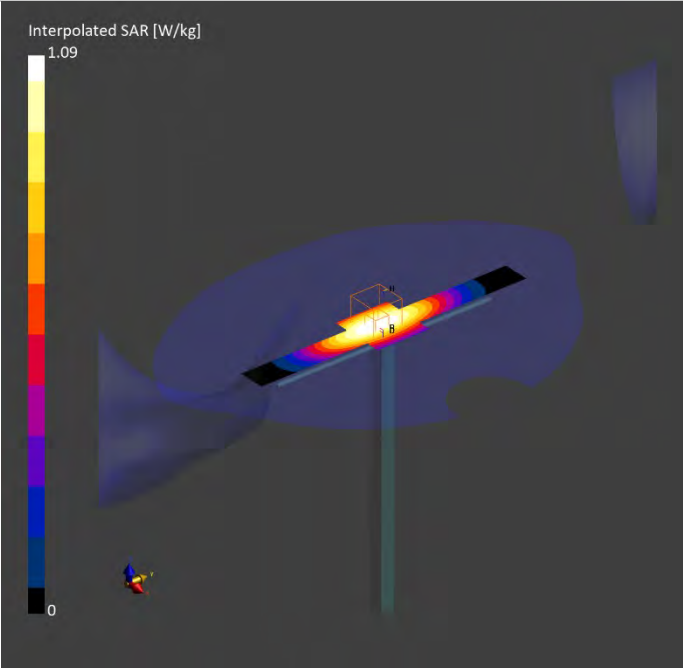
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2135	HSL835-2026-06-01	EX3DV4 - SN7801, 2025-07-22	DAE4 Sn1779, 2025-07-08

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	40.0 x 200.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 10.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2026-06-01	2026-06-01
psSAR1g [W/kg]	0.951	0.983
psSAR10g [W/kg]	0.633	0.647
Power Drift [dB]	-0.12	-0.02
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		86.6
Dist 3dB Peak [mm]		21.3



System Cheek_HSL900_260623

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Dipole 900 MHz D900V2,	10.0 x 10.0 x 340.0		Dipole

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, -	FRONT, 15.00	D900	CW, -	900.000, 50	8.85	0.974	40.5

Hardware Setup

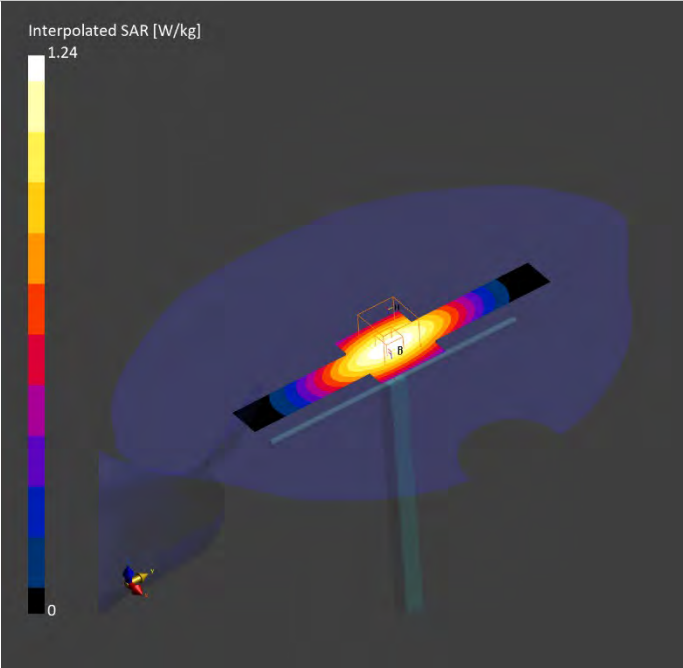
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2135	HSL900-2026-06-23	EX3DV4 - SN7801, 2025-07-22	DAE4 Sn1779, 2025-07-08

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	40.0 x 180.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 10.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2026-06-23	2026-06-23
psSAR1g [W/kg]	1.07	1.08
psSAR10g [W/kg]	0.698	0.712
Power Drift [dB]	0.01	-0.00
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		86.9
Dist 3dB Peak [mm]		17.8



System Cheek_HSL1750_260605

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Dipole 1750 MHz D1750V2,	10.0 x 10.0 x 302.0		Dipole

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, -	FRONT, 10.00	D1750	CW, -	1750.000, 50	7.45	1.40	40.2

Hardware Setup

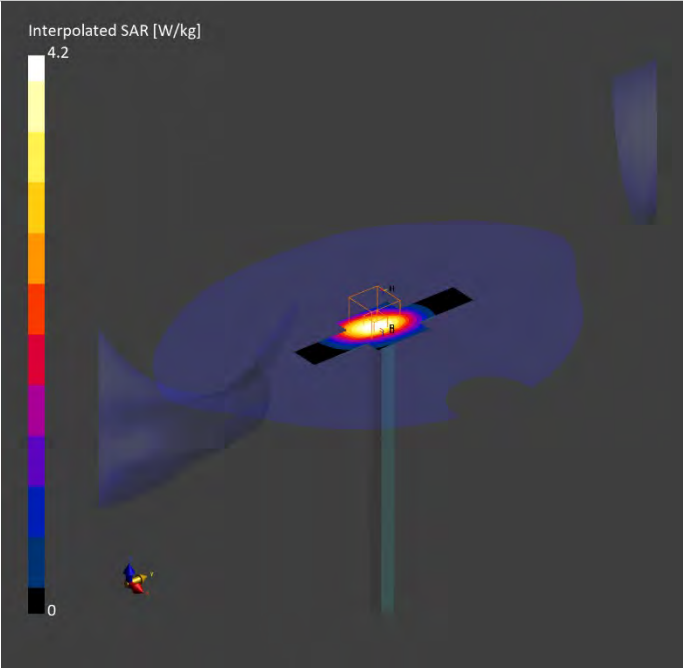
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2135	HSL1750-2026-06-05	EX3DV4 - SN7801, 2025-07-22	DAE4 Sn1779, 2025-07-08

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	40.0 x 120.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 10.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2026-06-05	2026-06-05
psSAR1g [W/kg]	3.43	3.56
psSAR10g [W/kg]	1.89	1.92
Power Drift [dB]	-0.00	0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		82.6
Dist 3dB Peak [mm]		10.3



System Cheek_HSL1950_260603

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Dipole 1950 MHz D1950V3,	10.0 x 10.0 x 300.0		Dipole

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, -	FRONT, 10.00	D1950	CW, -	1950.000, 50	7.22	1.44	40.7

Hardware Setup

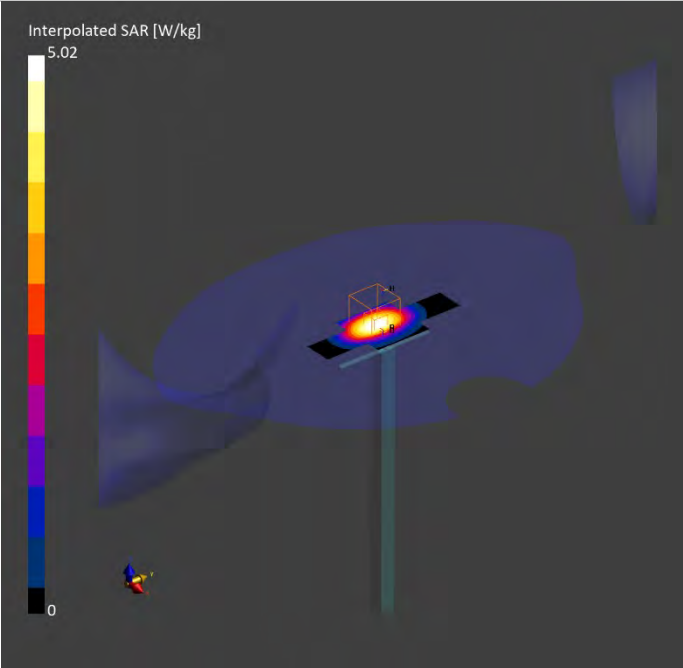
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2135	HSL1950-2026-06-03	EX3DV4 - SN7801, 2025-07-22	DAE4 Sn1779, 2025-07-08

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	40.0 x 100.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 10.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2026-06-03	2026-06-03
psSAR1g [W/kg]	4.08	4.27
psSAR10g [W/kg]	2.18	2.13
Power Drift [dB]	-0.01	0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		84.7
Dist 3dB Peak [mm]		9.6



System Cheek_HSL2450_260616

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Dipole 2450 MHz D2450V2,	10.0 x 10.0 x 290.0		Dipole

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, -	FRONT, 10.00	D2450	CW, -	2450.000, 50	6.69	1.76	38.6

Hardware Setup

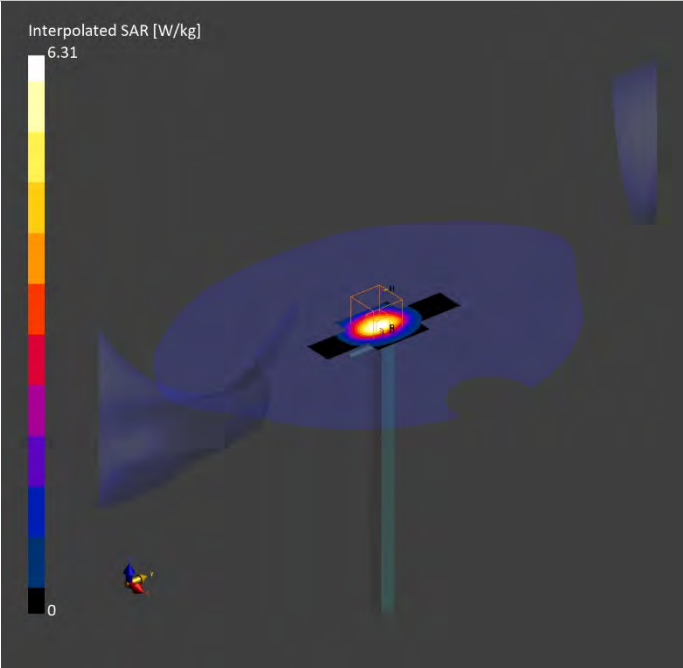
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2135	HSL2450-2026-06-16	EX3DV4 - SN7801, 2025-07-22	DAE4 Sn1779, 2025-07-08

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	40.0 x 100.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2026-06-16	2026-06-16
psSAR1g [W/kg]	4.90	5.14
psSAR10g [W/kg]	2.32	2.43
Power Drift [dB]	-0.05	0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		80.7
Dist 3dB Peak [mm]		9.0



System Cheek_HSL2450_260622

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Dipole 2450 MHz D2450V2,	10.0 x 10.0 x 290.0		Dipole

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, -	FRONT, 10.00	D2450	CW, -	2450.000, 50	6.69	1.83	38.4

Hardware Setup

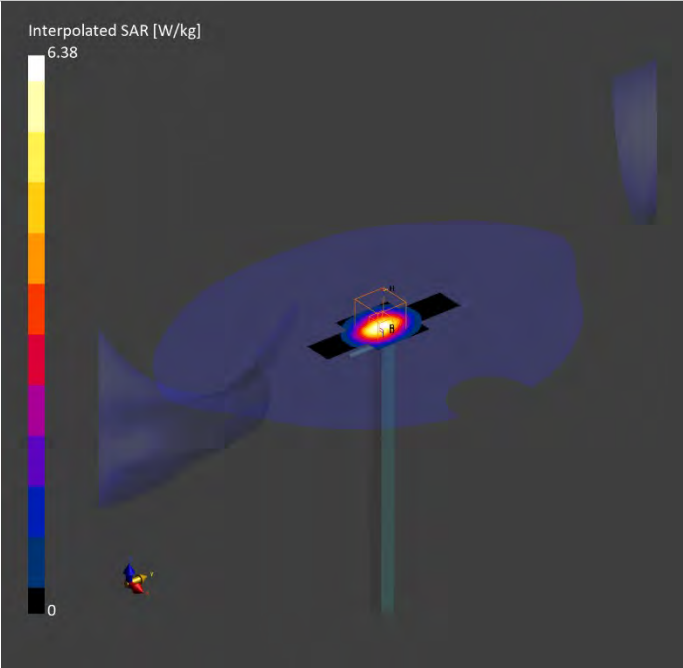
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2135	HSL2450-2026-06-22	EX3DV4 - SN7801, 2025-07-22	DAE4 Sn1779, 2025-07-08

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	40.0 x 100.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2026-06-22	2026-06-22
psSAR1g [W/kg]	4.86	5.13
psSAR10g [W/kg]	2.25	2.34
Power Drift [dB]	-0.06	-0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		82.0
Dist 3dB Peak [mm]		9.0



System Cheek_HSL2550_260609

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Dipole 2550 MHz D2550V2,	10.0 x 10.0 x 290.0		Dipole

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, -	FRONT, 10.00	D2550	CW, -	2550.000, 50	6.55	1.85	37.3

Hardware Setup

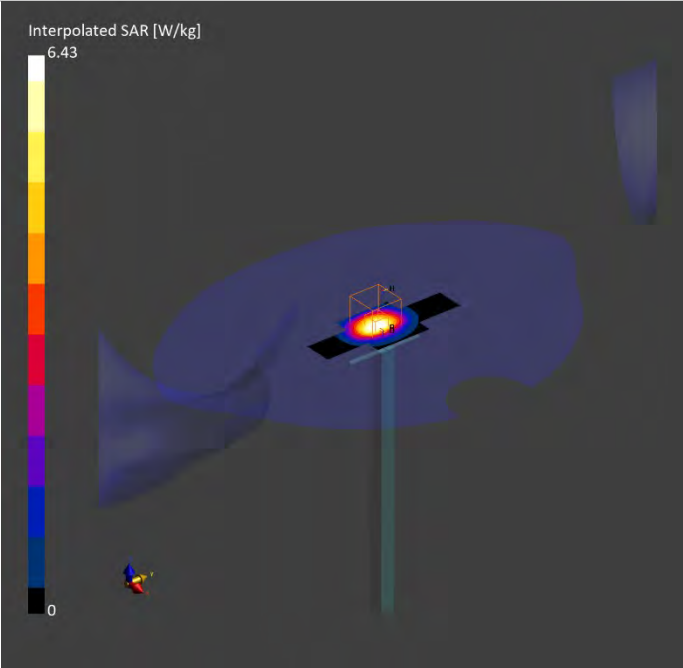
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2135	HSL2550-2026-06-09	EX3DV4 - SN7801, 2025-07-22	DAE4 Sn1779, 2025-07-08

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	40.0 x 100.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2026-06-09	2026-06-09
psSAR1g [W/kg]	5.03	5.36
psSAR10g [W/kg]	2.37	2.48
Power Drift [dB]	-0.03	0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		80.0
Dist 3dB Peak [mm]		9.0



System Cheek_HSL5250_260617

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Dipole D5GHzV2,	10.0 x 10.0 x 300.0		Dipole

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, -	FRONT, 10.00	D5GHz	CW, -	5250.000, 25	5.14	4.58	37.6

Hardware Setup

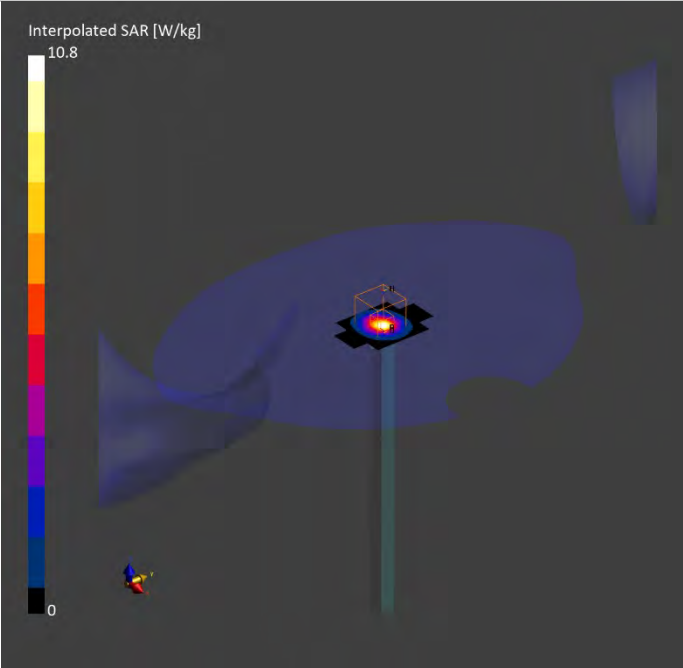
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2135	HSL5G-2026-06-17	EX3DV4 - SN7801, 2025-07-22	DAE4 Sn1779, 2025-07-08

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	40.0 x 60.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 1.4
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.4
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2026-06-17	2026-06-17
psSAR1g [W/kg]	6.63	7.44
psSAR10g [W/kg]	1.93	2.18
Power Drift [dB]	-0.00	-0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		63.2
Dist 3dB Peak [mm]		7.4



System Cheek_HSL5600_260618

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Dipole D5GHzV2,	10.0 x 10.0 x 300.0		Dipole

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, -	FRONT, 10.00	D5GHz	CW, -	5600.000, 60	4.75	4.97	35.2

Hardware Setup

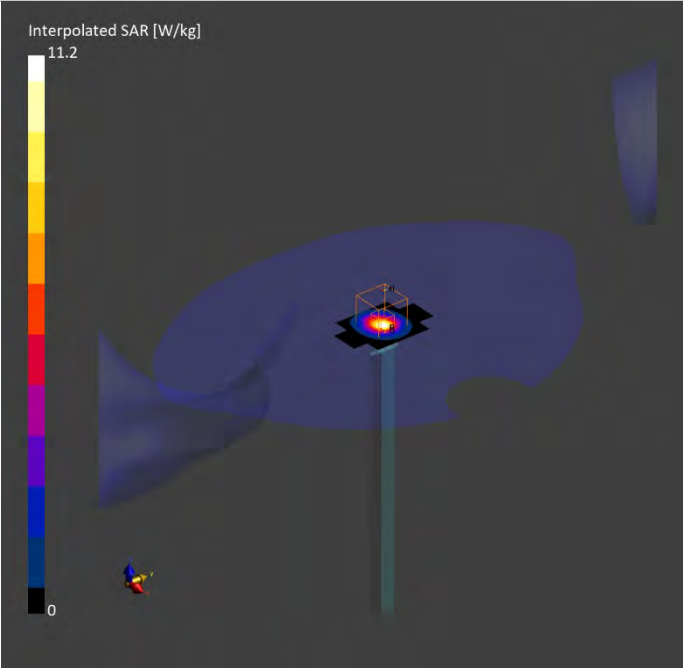
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2135	HSL5G-2026-06-18	EX3DV4 - SN7801, 2025-07-22	DAE4 Sn1779, 2025-07-08

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	40.0 x 60.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 1.4
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.4
MAIA	N/A	N/A
Surface Detection	All points	All points
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2026-06-18	2026-06-18
psSAR1g [W/kg]	7.07	7.92
psSAR10g [W/kg]	2.04	2.26
Power Drift [dB]	-0.02	-0.03
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		59.6
Dist 3dB Peak [mm]		7.2



Appendix B. SAR Plots of SAR Measurement

The SAR plots for highest measured SAR in each exposure configuration, wireless mode and frequency band combination, and measured SAR > 1.5 W/kg are shown as follows.

P01 GSM850_GPRS 2Tx Slot_Right Cheek_Ch189

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device,	165.0 x 80.0 x 15.0		Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
RightHead, -	CHEEK, 0.00	GSM 850	GSM, -	836.400, 189	8.95	0.915	40.8

Hardware Setup

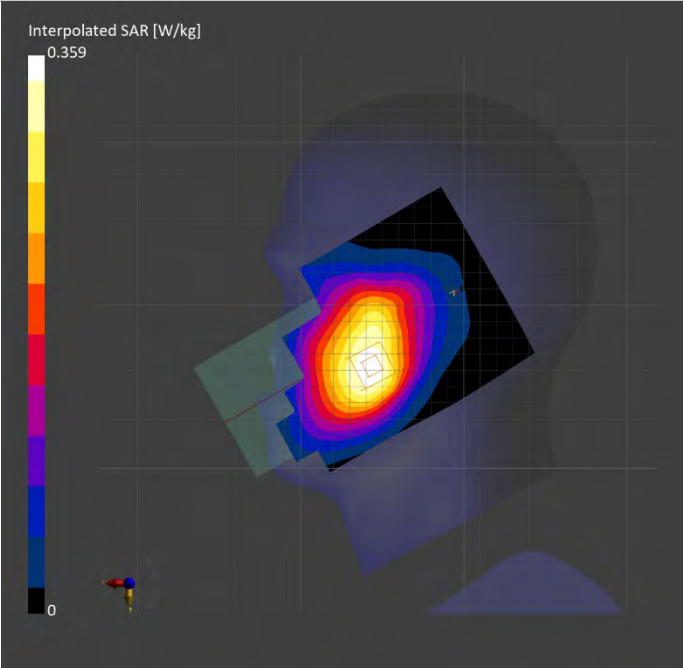
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2135	HSL835-2026-06-01	EX3DV4 - SN7801, 2025-07-22	DAE4 Sn1779, 2025-07-08

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 210.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	All points
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2026-06-01	2026-6-01
psSAR1g [W/kg]	0.313	0.324
psSAR10g [W/kg]	0.215	0.250
Power Drift [dB]	-0.05	-0.04
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		92.6
Dist 3dB Peak [mm]		22.9



P02 GSM1900_GPRS 2Tx Slot_Right Cheek_Ch810

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device,	165.0 x 80.0 x 15.0		Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
RightHead, -	CHEEK, 0.00	GSM 1900	GSM, -	1909.800, 810	7.22	1.40	40.8

Hardware Setup

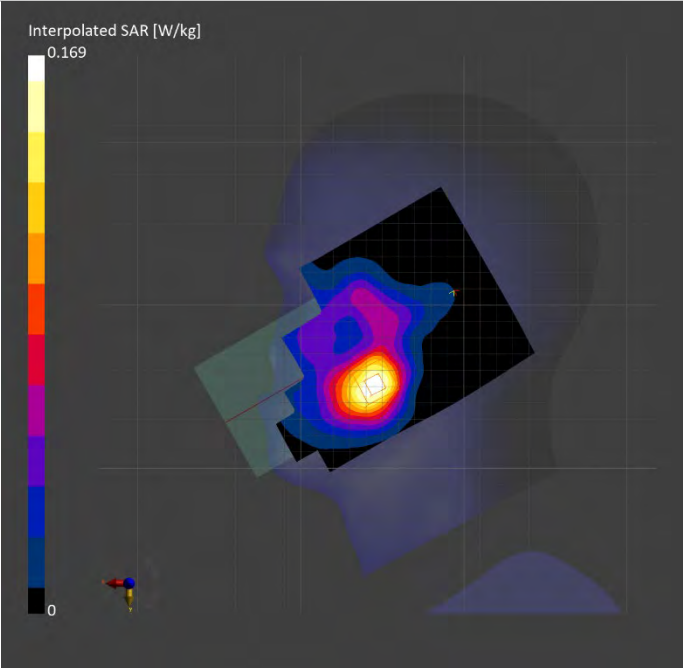
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2135	HSL1950-2026-06-03	EX3DV4 - SN7801, 2025-07-22	DAE4 Sn1779, 2025-07-08

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 210.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.2
MAIA	Y	Y
Surface Detection	VMS + 6p	All points
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2026-06-03	2026-06-03
psSAR1g [W/kg]	0.137	0.151
psSAR10g [W/kg]	0.079	0.090
Power Drift [dB]	0.02	0.00
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		90.6
Dist 3dB Peak [mm]		15.1



P03 WCDMA II_RMC12.2K_Right Cheek_Ch9538

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device,	165.0 x 80.0 x 15.0		Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
RightHead, -	CHEEK, 0.00	Band 2	WCDMA, -	1907.600, 9538	7.22	1.40	40.8

Hardware Setup

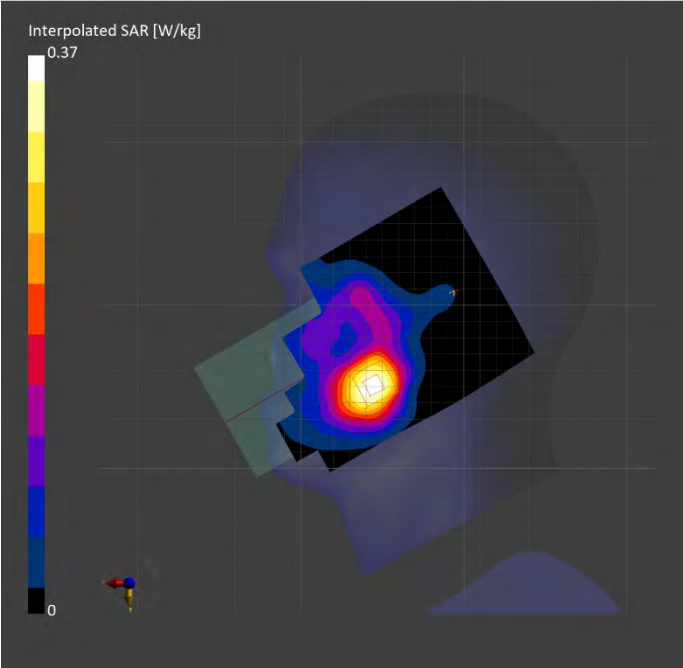
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2135	HSL1950-2026-06-03	EX3DV4 - SN7801, 2025-07-22	DAE4 Sn1779, 2025-07-08

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 210.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	All points
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2026-06-03	2026-06-03
psSAR1g [W/kg]	0.301	0.325
psSAR10g [W/kg]	0.175	0.199
Power Drift [dB]	-0.04	-0.02
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		90.2
Dist 3dB Peak [mm]		15.3



P04 WCDMA IV_RMC12.2K_Left Cheek_Ch1312

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device,	165.0 x 80.0 x 15.0		Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
LeftHead, -	CHEEK, 0.00	Band 4	WCDMA, -	1712.400, 1312	7.45	1.37	40.2

Hardware Setup

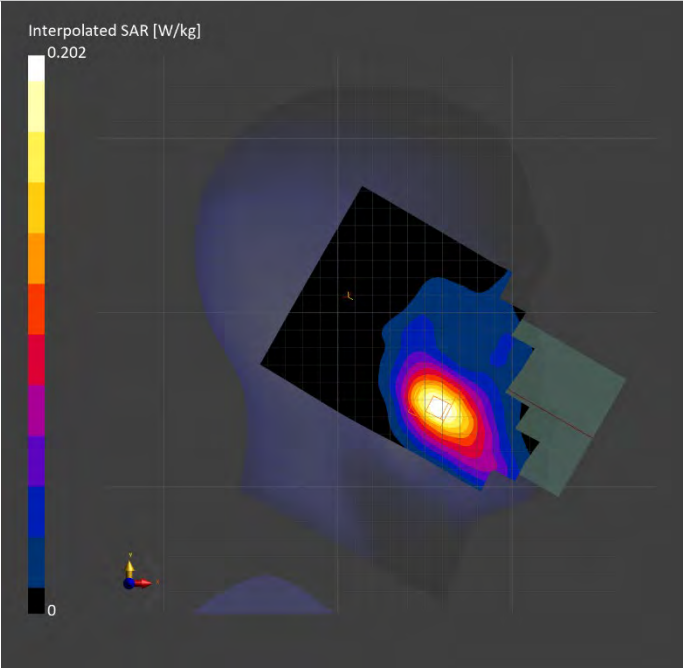
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2135	HSL1750-2026-06-05	EX3DV4 - SN7801, 2025-07-22	DAE4 Sn1779, 2025-07-08

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 210.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	Y	Y
Surface Detection	All points	All points
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2026-06-05	2026-06-05
psSAR1g [W/kg]	0.163	0.170
psSAR10g [W/kg]	0.093	0.107
Power Drift [dB]	-0.13	0.04
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		87.6
Dist 3dB Peak [mm]		11.0



P05 WCDMA V_RMC12.2K_Right Cheek_Ch4182

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device,	165.0 x 80.0 x 15.0		Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
RightHead, -	CHEEK, 0.00	Band 5	WCDMA, -	836,400, 4182	8.95	0.915	40.8

Hardware Setup

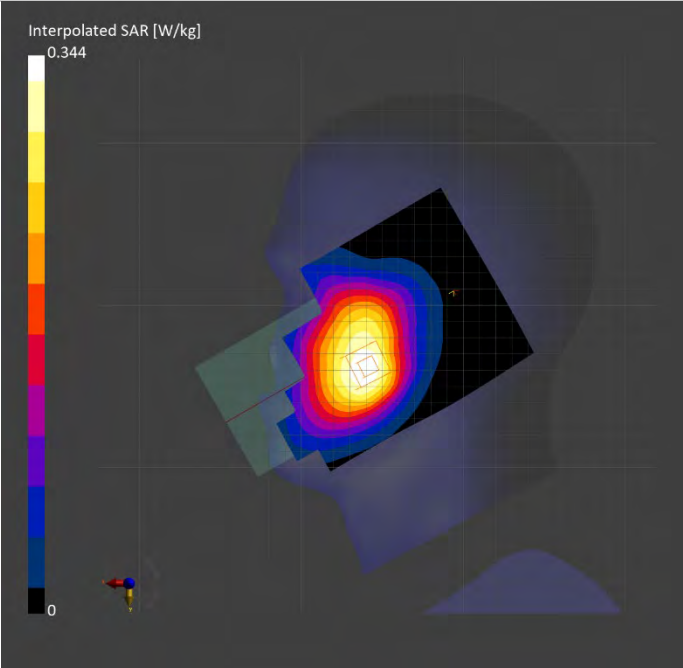
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2135	HSL835-2026-06-01	EX3DV4 - SN7801, 2025-07-22	DAE4 Sn1779, 2025-07-08

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 210.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2026-06-01	2026-06-01
psSAR1g [W/kg]	0.300	0.308
psSAR10g [W/kg]	0.206	0.238
Power Drift [dB]	-0.00	-0.07
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		96.3
Dist 3dB Peak [mm]		23.5



P06 LTE B2_QPSK20M_Left Cheek_1RB_OS50_Ch19100

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device,	165.0 x 80.0 x 15.0		Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
LeftHead, -	CHEEK, 0.00	Band 2	LTE-FDD, -	1900.000, 19100	7.22	1.40	40.8

Hardware Setup

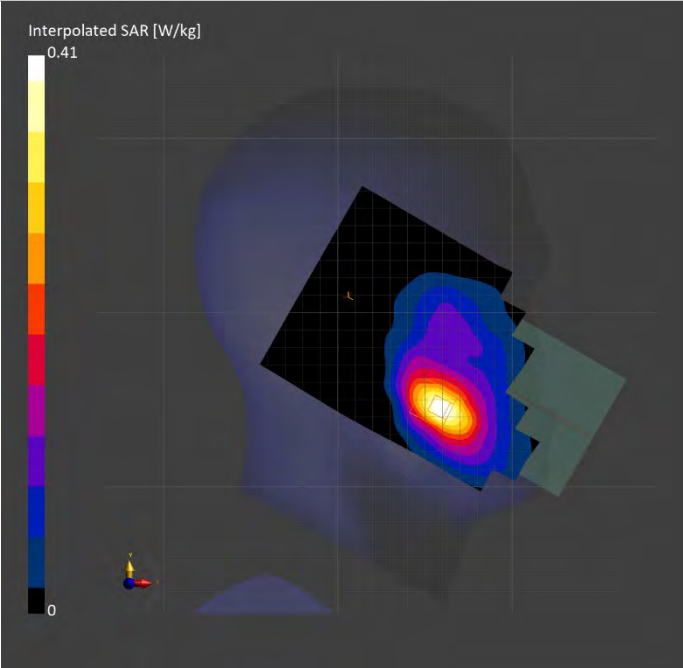
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2135	HSL1950-2026-06-03	EX3DV4 - SN7801, 2025-07-22	DAE4 Sn1779, 2025-07-08

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 210.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	N/A	N/A
Surface Detection	All points	All points
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2026-06-03	2026-06-03
psSAR1g [W/kg]	0.320	0.326
psSAR10g [W/kg]	0.176	0.192
Power Drift [dB]	-0.06	-0.04
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		84.2
Dist 3dB Peak [mm]		10.2



P07 LTE B4_QPSK20M_Left Cheek_1RB_OS99_Ch20175

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device,	165.0 x 80.0 x 15.0		Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
LeftHead, -	CHEEK, 0.00	Band 2	LTE-FDD, -	1732.500, 20175	7.45	1.39	40.2

Hardware Setup

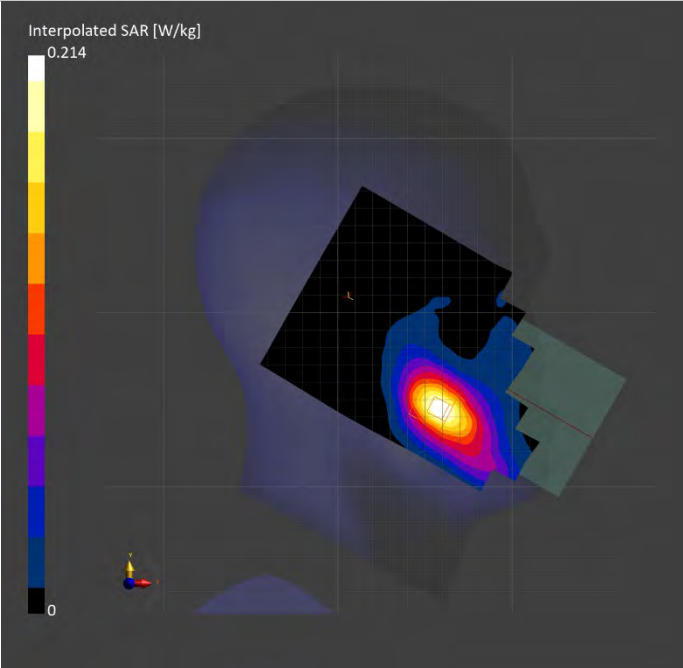
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2135	HSL1750-2026-06-05	EX3DV4 - SN7801, 2025-07-22	DAE4 Sn1779, 2025-07-08

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 210.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	Y	N/A
Surface Detection	All points	All points
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2026-06-05	2026-06-05
psSAR1g [W/kg]	0.170	0.178
psSAR10g [W/kg]	0.095	0.108
Power Drift [dB]	-0.04	-0.02
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		87.7
Dist 3dB Peak [mm]		11.1



P08 LTE B5_QPSK10M_Left Cheek_1RB_OS0_Ch20525

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device,	165.0 x 80.0 x 15.0		Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
LeftHead, -	CHEEK, 0.00	Band 5	LTE-FDD, -	836.500, 20525	8.95	0.915	40.8

Hardware Setup

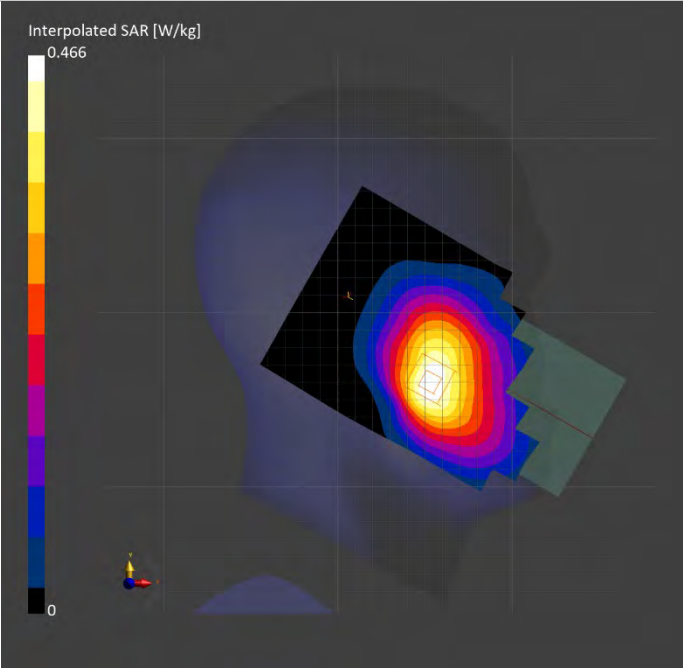
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2135	HSL835-2026-06-01	EX3DV4 - SN7801, 2025-07-22	DAE4 Sn1779, 2025-07-08

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 210.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	N/A	N/A
Surface Detection	All points	All points
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2026-06-01	2026-06-01
psSAR1g [W/kg]	0.406	0.425
psSAR10g [W/kg]	0.274	0.323
Power Drift [dB]	-0.03	0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		91.1
Dist 3dB Peak [mm]		18.6



P09 LTE B12_QPSK10M_Left Cheek_1RB_OS24_Ch23130

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device,	165.0 x 80.0 x 15.0		Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
LeftHead, -	CHEEK, 0.00	Band 12	LTE-FDD, -	711.000, 23130	9.13	0.907	40.4

Hardware Setup

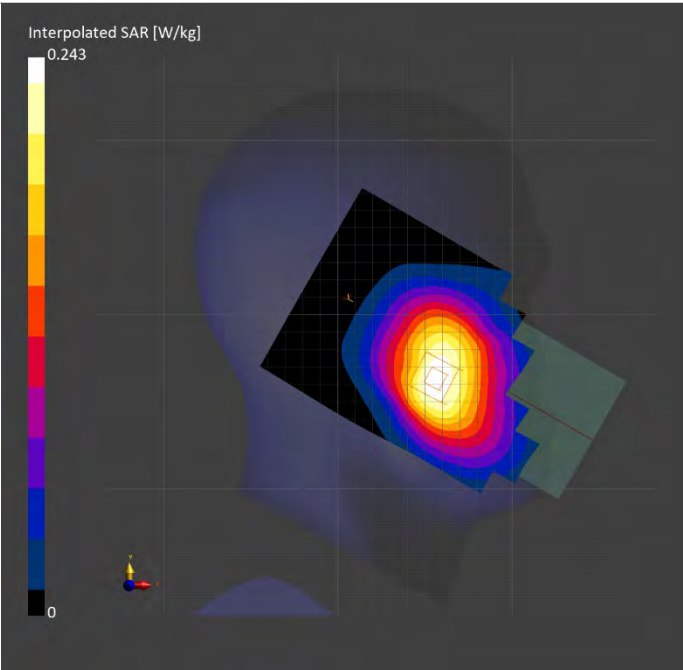
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2135	HSL750-2026-06-05	EX3DV4 - SN7801, 2025-07-22	DAE4 Sn1779, 2025-07-08

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 210.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	N/A	N/A
Surface Detection	All points	All points
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2026-06-05	2026-06-05
psSAR1g [W/kg]	0.213	0.222
psSAR10g [W/kg]	0.147	0.173
Power Drift [dB]	-0.00	-0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		91.9
Dist 3dB Peak [mm]		> 15.0



P10 LTE B41_QPSK20M_Left Cheek_1RB_OS0_Ch41490

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device,	165.0 x 80.0 x 15.0		Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
LeftHead, -	CHEEK, 0.00	Band 41	LTE-TDD, -	2680.000, 41490	6.55	1.89	37.2

Hardware Setup

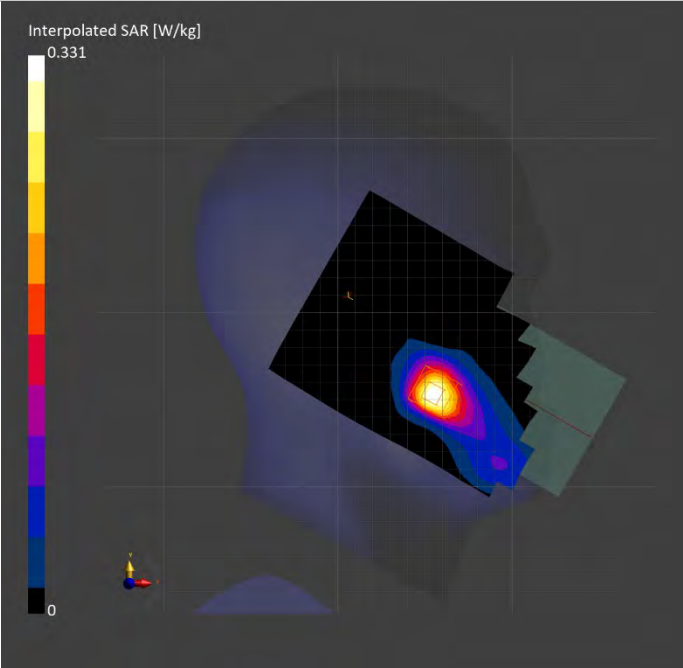
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2135	HSL2550-2026-06-09	EX3DV4 - SN7801, 2025-07-22	DAE4 Sn1779, 2025-07-08

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 200.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	N/A	N/A
Surface Detection	All points	All points
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2026-06-09	2026-06-09
psSAR1g [W/kg]	0.255	0.263
psSAR10g [W/kg]	0.123	0.127
Power Drift [dB]	0.01	-0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		83.9
Dist 3dB Peak [mm]		9.0



P11 WLAN2.4G_11AX20MIMO_26Tone_RU0_Right Cheek_Ch11

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device,	165.0 x 80.0 x 15.0		Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
RightHead, -	CHEEK, 0.00	WLAN 2.4GHz	WLAN, -	2462.000, 11	6.69	1.77	38.6

Hardware Setup

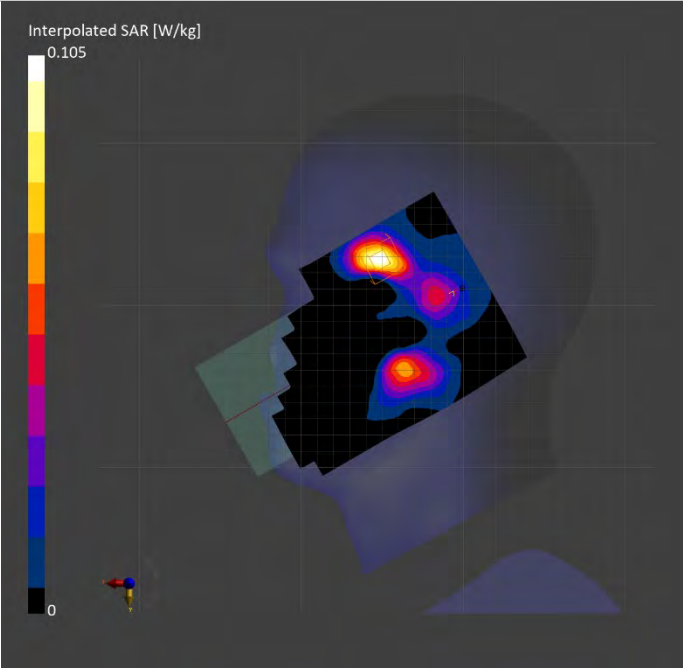
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2135	HSL2450-2026-06-16	EX3DV4 - SN7801, 2025-07-22	DAE4 Sn1779, 2025-07-08

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 200.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	Y	Y
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2026-06-16	2026-06-16
psSAR1g [W/kg]	0.078	0.075
psSAR10g [W/kg]	0.036	0.034
Power Drift [dB]	-0.06	-0.03
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		80.5
Dist 3dB Peak [mm]		5.5



P12 WLAN5G_802.11ac-VHT80_Left Cheek_Ch58

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device,	165.0 x 80.0 x 15.0		Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
LeftHead, -	CHEEK, 0.00	WLAN 5GHz	WLAN, -	5290.000, 58	5.14	4.70	35.6

Hardware Setup

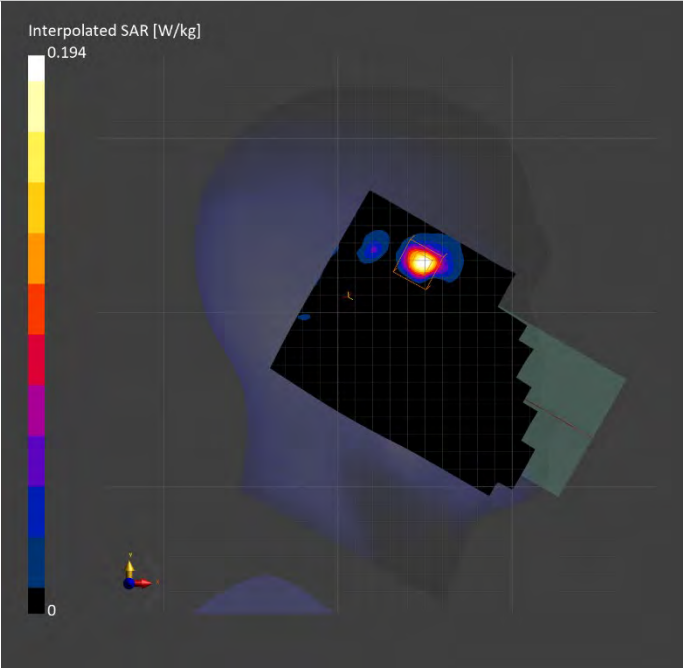
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2135	HSL5G-2026-06-18	EX3DV4 - SN7801, 2025-07-22	DAE4 Sn1779, 2025-07-08

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 200.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 1.4
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.4
MAIA	Y	Y
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2026-06-18	2026-06-18
psSAR1g [W/kg]	0.125	0.139
psSAR10g [W/kg]	0.035	0.032
Power Drift [dB]	-0.13	-0.18
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		66.0
Dist 3dB Peak [mm]		5.0



P13 WLAN5G_802.11a_Left Cheek_Ch116

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device,	165.0 x 80.0 x 15.0		Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
LeftHead, -	CHEEK, 0.00	WLAN 5GHz	WLAN, -	5580.000, 116	4.75	4.96	35.3

Hardware Setup

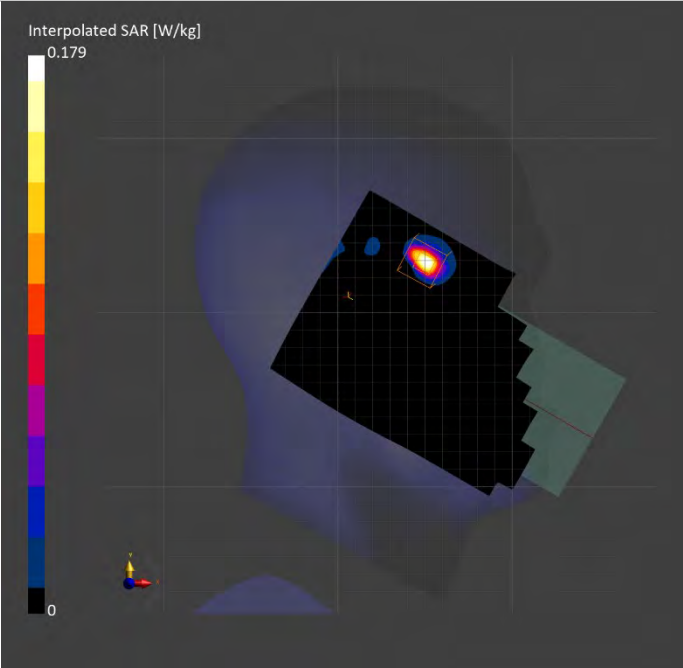
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2135	HSL5G-2026-06-18	EX3DV4 - SN7801, 2025-07-22	DAE4 Sn1779, 2025-07-08

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 200.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 1.4
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.4
MAIA	Y	Y
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2026-06-18	2026-06-18
psSAR1g [W/kg]	0.108	0.117
psSAR10g [W/kg]	0.028	0.024
Power Drift [dB]	-0.03	-0.14
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		65.4
Dist 3dB Peak [mm]		3.5



P14 BT_GFSK_Left Cheek_Ch78

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device,	165.0 x 80.0 x 15.0		Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
LeftHead, -	CHEEK, 0.00	ISM 2.4 GHz Band	Bluetooth, -	2480.000, 78	6.69	1.81	37.4

Hardware Setup

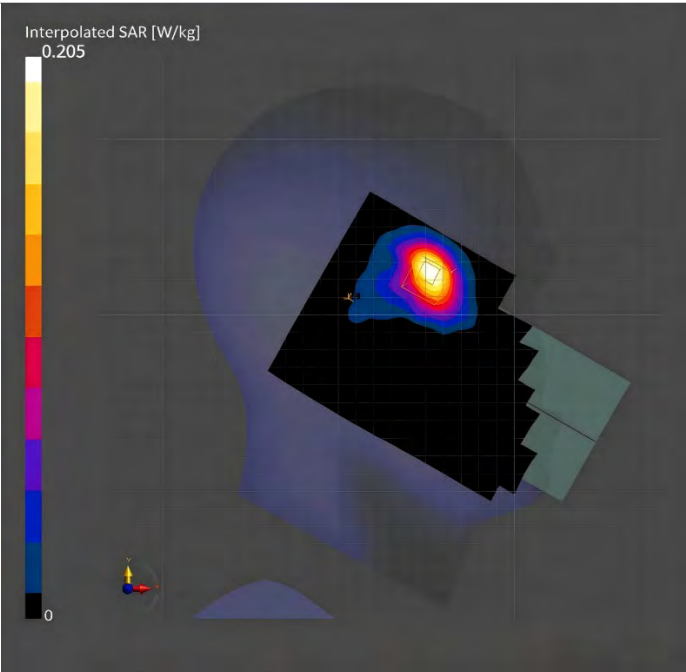
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2135	HSL2.4G-2026-06-22	EX3DV4 - SN7801, 2025-07-22	DAE4 Sn1779, 2025-07-08

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 200.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	Y	Y
Surface Detection	All points	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2026-06-22	2026-06-22
psSAR1g [W/kg]	0.127	0.199
psSAR10g [W/kg]	0.063	0.091
Power Drift [dB]	-0.05	-0.14
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		82.4
Dist 3dB Peak [mm]		9.8



P15 Halow_1M_Right Cheek_Ch46

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device,	165.0 x 80.0 x 15.0		Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
RightHead, -	CHEEK, 0.00	D900	CW, -	927.000, 46	8.85	0.983	40.3

Hardware Setup

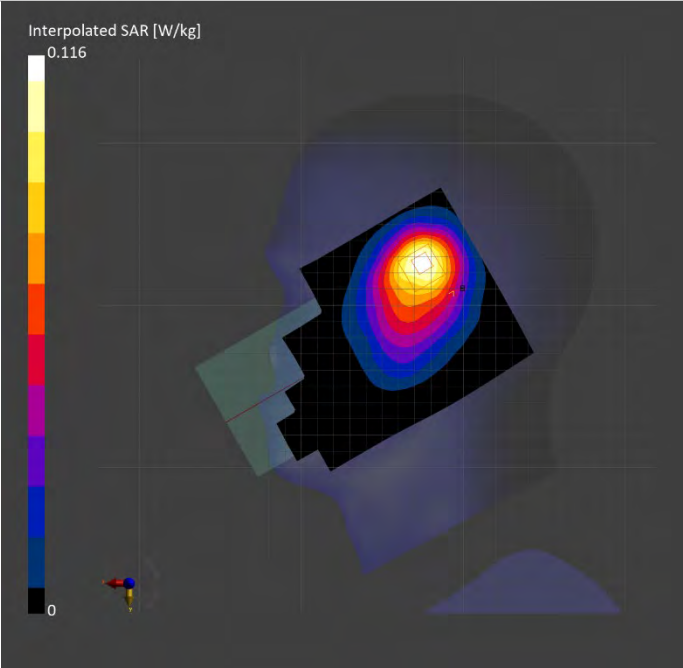
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2135	HSL900-2026-06-23	EX3DV4 - SN7801, 2025-07-22	DAE4 Sn1779, 2025-07-08

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 210.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	Y	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2026-06-23	2026-06-23
psSAR1g [W/kg]	0.097	0.096
psSAR10g [W/kg]	0.063	0.062
Power Drift [dB]	0.01	0.09
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		90.9
Dist 3dB Peak [mm]		16.8



P16 GSM850_GPRS 2Tx Slot_Rear Face_1.5cm_Ch128

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device,	165.0 x 80.0 x 15.0		Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, -	BACK, 15.00	GSM 850	GSM, -	824.200, 128	8.95	0.909	40.8

Hardware Setup

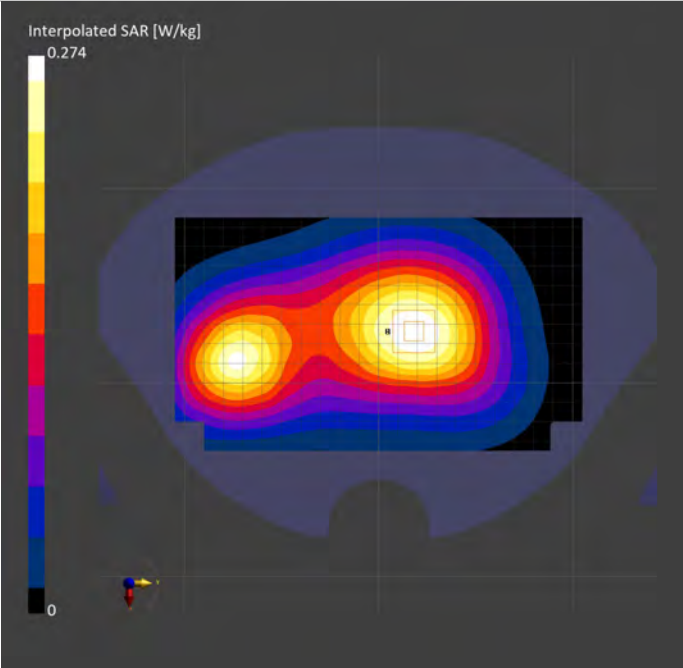
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2135	HSL835-2026-06-01	EX3DV4 - SN7801, 2025-07-22	DAE4 Sn1779, 2025-07-08

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 210.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2026-06-01	2026-06-01
psSAR1g [W/kg]	0.242	0.256
psSAR10g [W/kg]	0.168	0.174
Power Drift [dB]	-0.02	0.03
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		91.9
Dist 3dB Peak [mm]		6.5



P17 GSM1900_GPRS 2Tx Slot_Rear Face_1.5cm_Ch810

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device,	165.0 x 80.0 x 15.0		Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, -	BACK, 15.00	PCS 1900	GSM, -	1909.800, 810	7.22	1.40	40.8

Hardware Setup

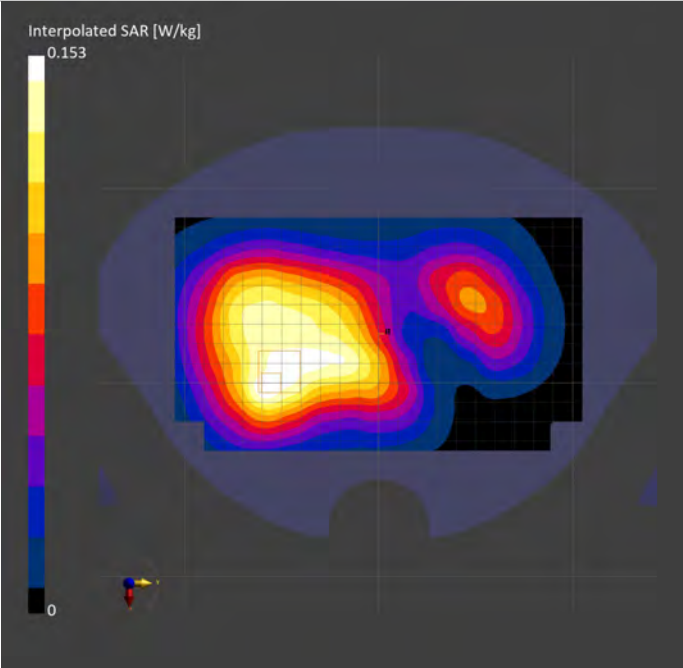
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2135	HSL1950-2026-06-03	EX3DV4 - SN7801, 2025-07-22	DAE4 Sn1779, 2025-07-08

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 210.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	Y	Y
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2026-06-03	2026-06-03
psSAR1g [W/kg]	0.127	0.130
psSAR10g [W/kg]	0.080	0.082
Power Drift [dB]	-0.01	-0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		87.5
Dist 3dB Peak [mm]		> 15.0



P18 WCDMA II_RMC12.2K_Rear Face_1.5cm_Ch9538

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device,	165.0 x 80.0 x 15.0		Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, -	BACK, 15.00	Band 2	WCDMA, -	1907.600, 9538	7.22	1.40	40.8

Hardware Setup

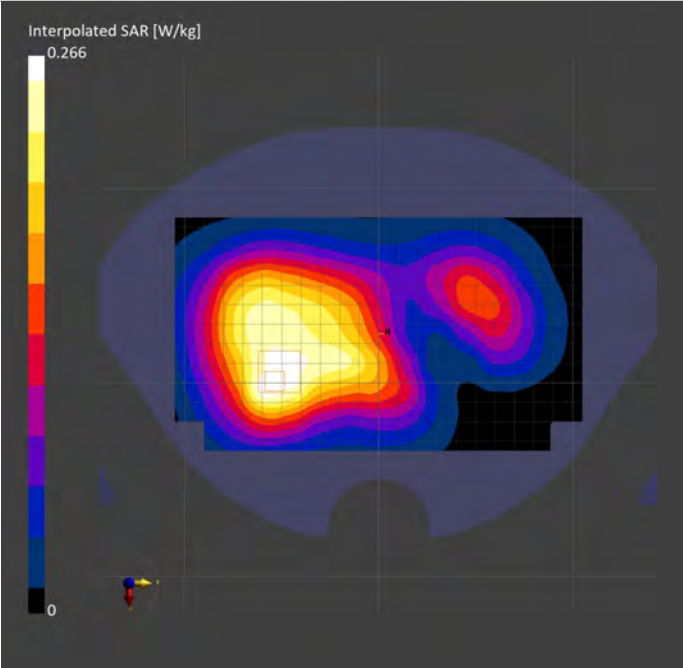
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2135	HSL1950-2026-06-03	EX3DV4 - SN7801, 2025-07-22	DAE4 Sn1779, 2025-07-08

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 210.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2026-06-03	2026-06-03
psSAR1g [W/kg]	0.223	0.226
psSAR10g [W/kg]	0.139	0.142
Power Drift [dB]	-0.00	-0.02
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		88.6
Dist 3dB Peak [mm]		> 15.0



P19 WCDMA IV_RMC12.2K_Rear Face_1.5cm_Ch1513

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device,	165.0 x 80.0 x 15.0		Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, -	BACK, 15.00	Band 4	WCDMA, -	1752.600, 1513	7.45	1.40	40.2

Hardware Setup

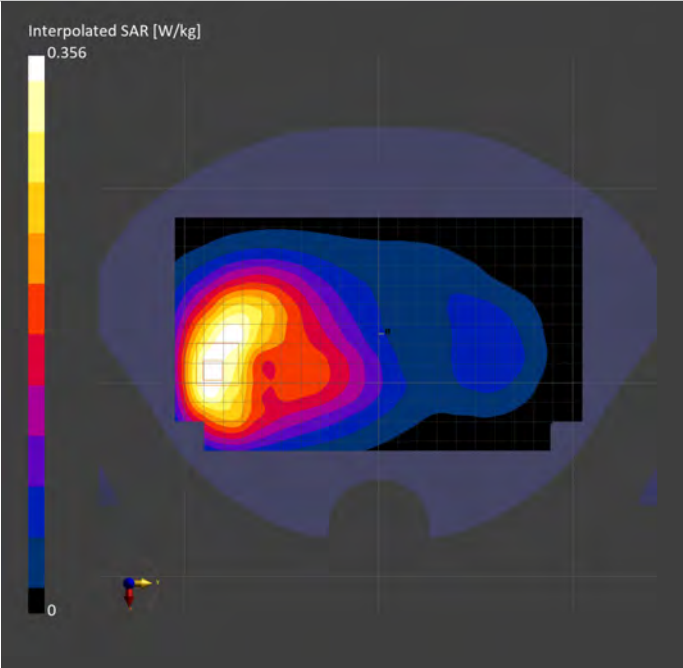
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2135	HSL1750-2026-06-05	EX3DV4 - SN7801, 2025-07-22	DAE4 Sn1779, 2025-07-08

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 210.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2026-06-05	2026-06-05
psSAR1g [W/kg]	0.298	0.318
psSAR10g [W/kg]	0.185	0.195
Power Drift [dB]	-0.00	-0.03
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		89.1
Dist 3dB Peak [mm]		14.4



P20 WCDMA V_RMC12.2K_Rear Face_1.5cm_Ch4233

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device,	165.0 x 80.0 x 15.0		Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, -	BACK, 15.00	Band 5	WCDMA, -	846.600, 4233	8.95	0.919	40.7

Hardware Setup

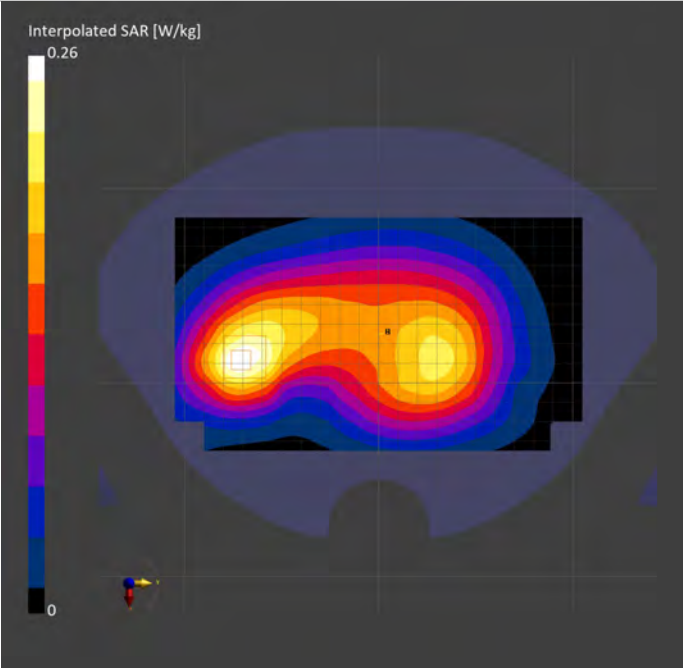
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2135	HSL835-2026-06-01	EX3DV4 - SN7801, 2025-07-22	DAE4 Sn1779, 2025-07-08

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 210.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2026-06-01	2026-06-01
psSAR1g [W/kg]	0.225	0.227
psSAR10g [W/kg]	0.150	0.152
Power Drift [dB]	0.09	-0.05
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		90.6
Dist 3dB Peak [mm]		20.4



P21 LTE B2_QPSK20M_Rear Face_1.5cm_Ch19100_1RB_OS50

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device,	165.0 x 80.0 x 15.0		Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, -	BACK, 15.00	Band 2	LTE-FDD, -	1900.000, 19100	7.22	1.40	40.8

Hardware Setup

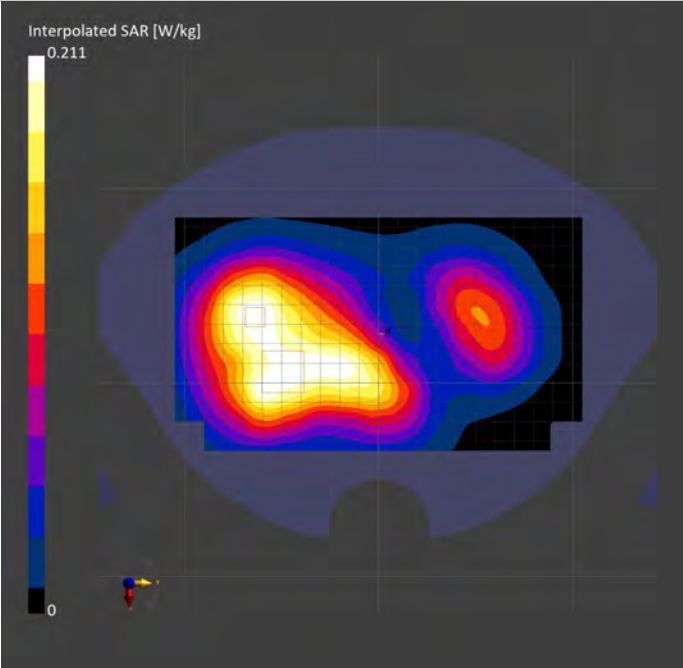
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2135	HSL1950-2026-06-03	EX3DV4 - SN7801, 2025-07-22	DAE4 Sn1779, 2025-07-08

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 210.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2026-06-03	2026-06-03
psSAR1g [W/kg]	0.176	0.177
psSAR10g [W/kg]	0.110	0.113
Power Drift [dB]	-0.01	-0.03
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		88.7
Dist 3dB Peak [mm]		> 15.0



P22 LTE B4_QPSK20M_Rear Face_1.5cm_Ch20175_1RB_OS99

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device,	165.0 x 80.0 x 15.0		Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, -	BACK, 15.00	Band 4	LTE-FDD, -	1732.500, 20175	7.45	1.39	40.2

Hardware Setup

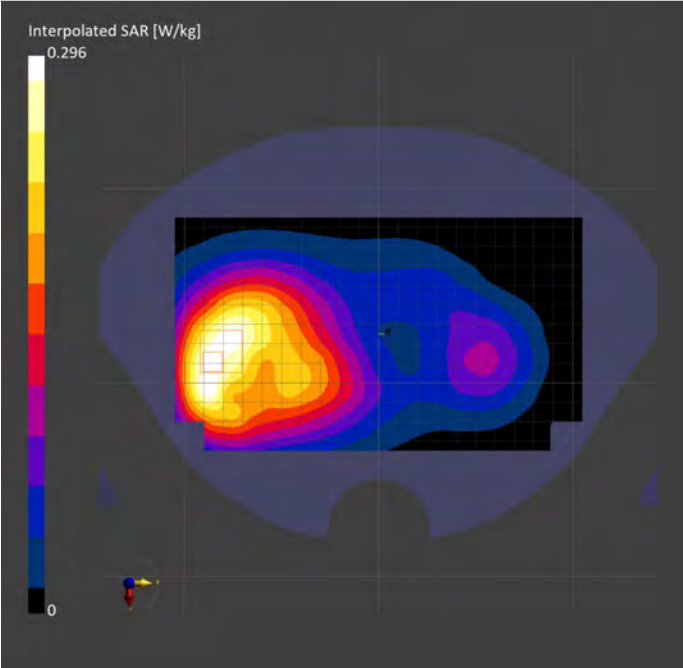
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2135	HSL1750-2026-06-05	EX3DV4 - SN7801, 2025-07-22	DAE4 Sn1779, 2025-07-08

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 210.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2026-06-05	2026-06-05
psSAR1g [W/kg]	0.246	0.257
psSAR10g [W/kg]	0.155	0.164
Power Drift [dB]	0.00	-0.02
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		88.9
Dist 3dB Peak [mm]		18.8



P23 LTE B5_QPSK10M_Rear Face_1.5cm_Ch20525_1RB_OS0

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device,	165.0 x 80.0 x 15.0		Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, -	BACK, 15.00	Band 5	LTE-FDD, -	836.500, 20525	8.95	0.915	40.8

Hardware Setup

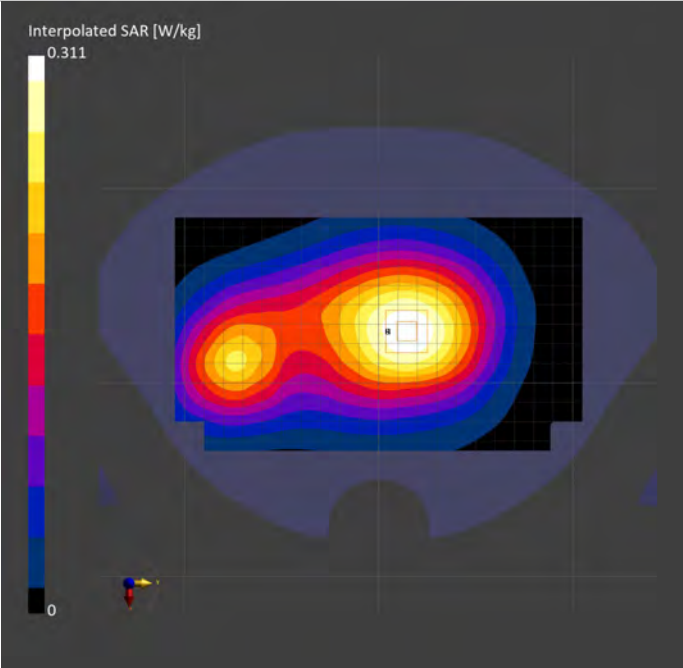
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2135	HSL835-2026-06-01	EX3DV4 - SN7801, 2025-07-22	DAE4 Sn1779, 2025-07-08

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 210.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2026-06-01	2026-06-01
psSAR1g [W/kg]	0.273	0.294
psSAR10g [W/kg]	0.190	0.222
Power Drift [dB]	-0.02	0.04
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		91.9
Dist 3dB Peak [mm]		> 15.0



P24 LTE B12_QPSK10M_Rear Face_1.5cm_Ch23130_1RB_OS24

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device,	165.0 x 80.0 x 15.0		Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, -	BACK, 15.00	Band 12	LTE-FDD, -	711.000, 23130	9.13	0.907	40.4

Hardware Setup

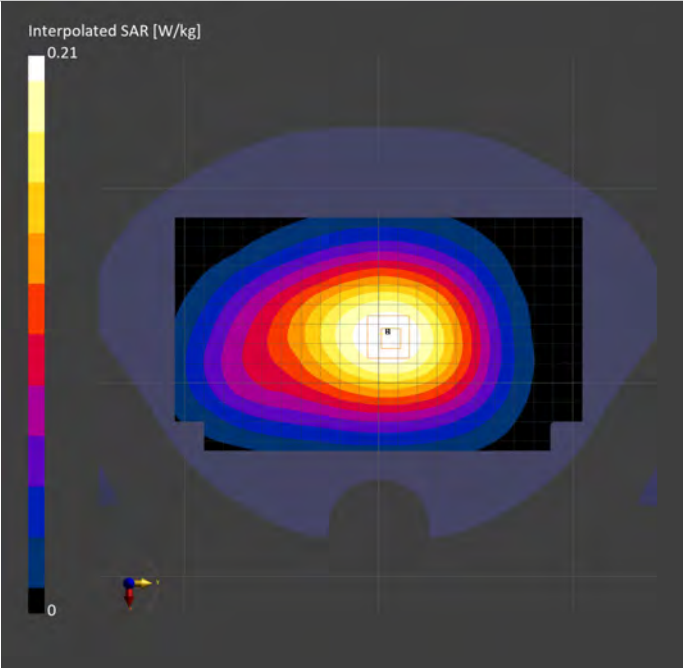
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2135	HSL750-2026-06-05	EX3DV4 - SN7801, 2025-07-22	DAE4 Sn1779, 2025-07-08

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 210.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2026-06-05	2026-06-05
psSAR1g [W/kg]	0.186	0.198
psSAR10g [W/kg]	0.133	0.151
Power Drift [dB]	0.02	-0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		93.5
Dist 3dB Peak [mm]		> 15.0



P25 LTE B41_QPSK20M_Rear Face_1.5cm_Ch40620_1RB_OS0

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device,	165.0 x 80.0 x 15.0		Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, -	BACK, 15.00	Band 41	LTE-TDD, -	2593.000, 40620	6.55	1.89	37.2

Hardware Setup

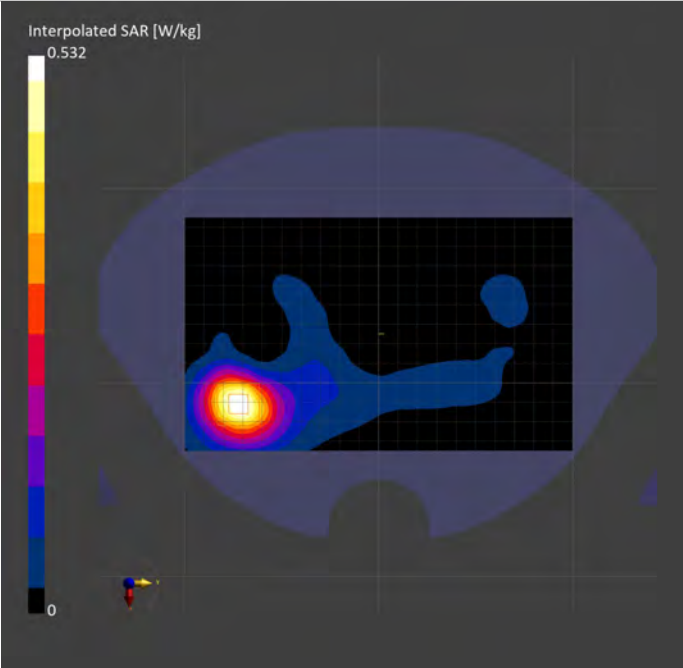
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2135	HSL2550-2026-06-09	EX3DV4 - SN7801, 2025-07-22	DAE4 Sn1779, 2025-07-08

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 200.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2026-06-09	2026-06-09
psSAR1g [W/kg]	0.424	0.425
psSAR10g [W/kg]	0.215	0.217
Power Drift [dB]	0.01	-0.02
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		83.9
Dist 3dB Peak [mm]		12.4



P26 WLAN2.4G_802.11a_Rear Face_1.5cm_Ch11

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device,	165.0 x 80.0 x 15.0		Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, -	BACK, 15.00	WLAN 2.4GHz	WLAN, -	2462.000, 11	6.69	1.77	38.6

Hardware Setup

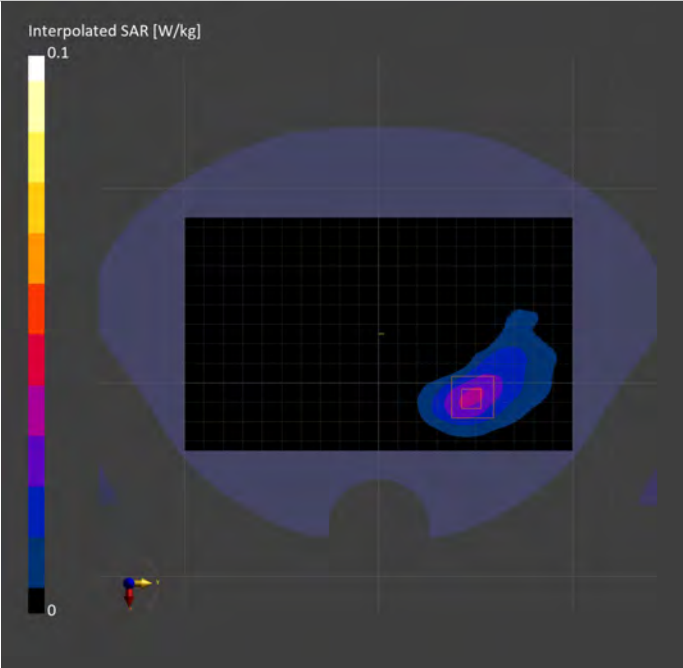
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2135	HSL2450-2026-06-16	EX3DV4 - SN7801, 2025-07-22	DAE4 Sn1779, 2025-07-08

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 200.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	Y	Y
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2026-06-16	2026-06-16
psSAR1g [W/kg]	0.029	0.026
psSAR10g [W/kg]	0.015	0.013
Power Drift [dB]	-0.18	-0.09
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		92.6
Dist 3dB Peak [mm]		10.3



P27 WLAN5G_802.11ac-HT80_Rear Face_1.5cm_Ch42

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device,	165.0 x 80.0 x 15.0		Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, -	BACK, 15.00	WLAN 5GHz	WLAN, -	5210.000, 42	5.14	4.55	35.8

Hardware Setup

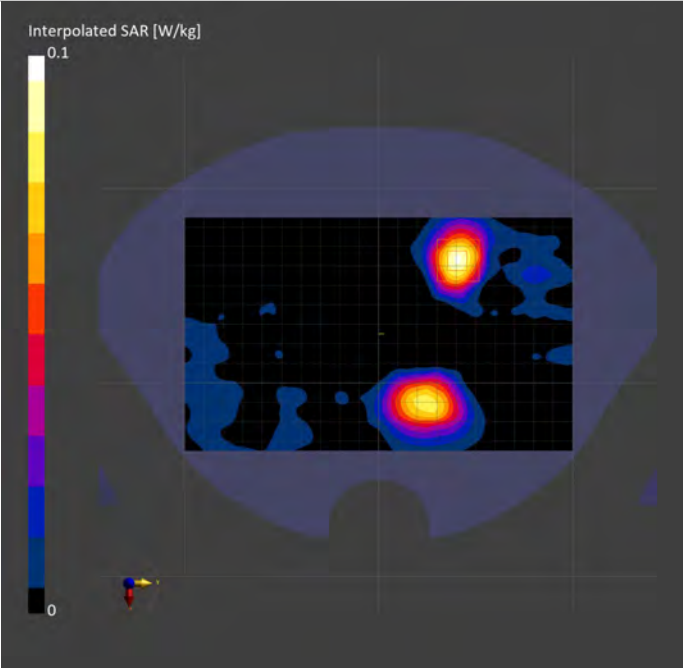
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2135	HSL5G-2026-06-17	EX3DV4 - SN7801, 2025-07-22	DAE4 Sn1779, 2025-07-08

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 200.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 1.4
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.4
MAIA	Y	Y
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2026-06-17	2026-06-17
psSAR1g [W/kg]	0.068	0.068
psSAR10g [W/kg]	0.026	0.022
Power Drift [dB]	-0.09	-0.02
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		69.3
Dist 3dB Peak [mm]		8.3



P28 WLAN5G_802.11ac-HT80_Rear Face_1.5cm_Ch58

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device,	165.0 x 80.0 x 15.0		Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, -	BACK, 15.00	WLAN 5GHz	WLAN, -	5290.000, 58	5.14	4.70	35.6

Hardware Setup

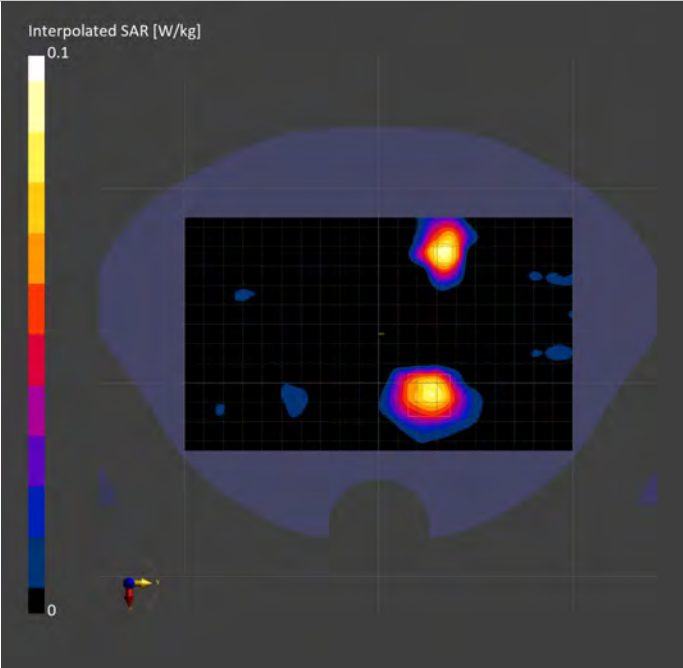
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2135	HSL5G-2026-06-18	EX3DV4 - SN7801, 2025-07-22	DAE4 Sn1779, 2025-07-08

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 200.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 1.4
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.4
MAIA	Y	Y
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2026-06-18	2026-06-18
psSAR1g [W/kg]	0.064	0.066
psSAR10g [W/kg]	0.024	0.018
Power Drift [dB]	-0.06	0.05
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		69.6
Dist 3dB Peak [mm]		6.9



P29 WLAN5G_802.11a_Rear Face_1.5cm_Ch140

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device,	165.0 x 80.0 x 15.0		Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, -	BACK, 15.00	WLAN 5GHz	WLAN, -	5700.000, 140	4.83	5.15	34.8

Hardware Setup

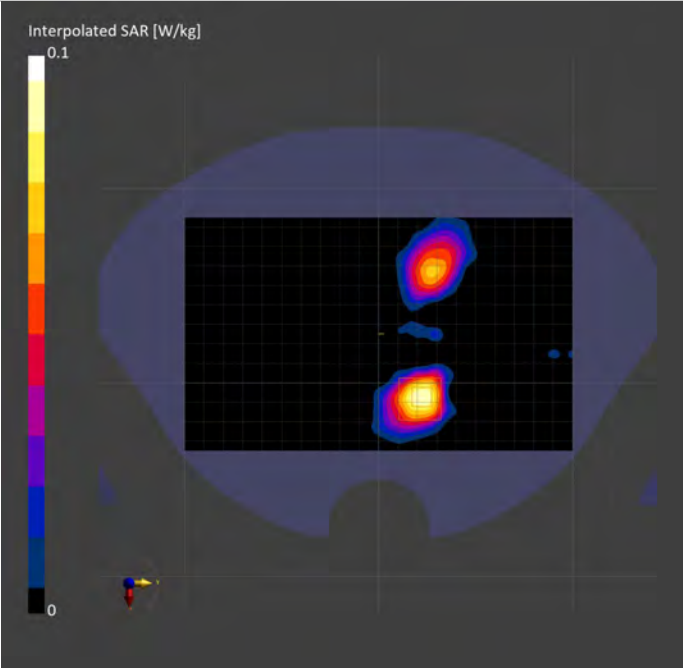
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2135	HSL5G-2026-06-18	EX3DV4 - SN7801, 2025-07-22	DAE4 Sn1779, 2025-07-08

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 200.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 1.4
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.4
MAIA	Y	Y
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2026-06-18	2026-06-18
psSAR1g [W/kg]	0.068	0.061
psSAR10g [W/kg]	0.026	0.018
Power Drift [dB]	-0.07	0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		67.9
Dist 3dB Peak [mm]		6.9



P30 BT_GFSK_Rear Face_1.5cm_Ch78

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device,	165.0 x 80.0 x 15.0		Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, -	BACK, 15.00	ISM 2.4 GHz Band	Bluetooth, -	2480.000, 78	6.69	1.76	38.6

Hardware Setup

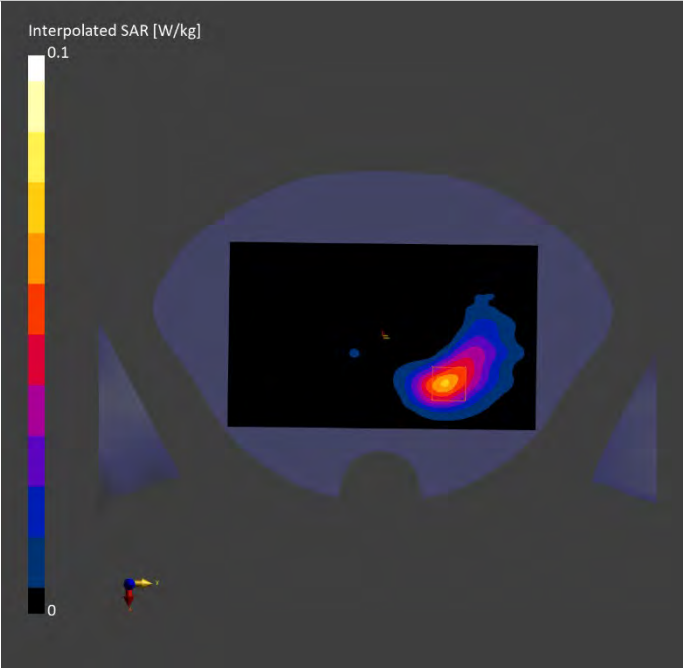
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2135	HSL2450-2026-06-22	EX3DV4 - SN7801, 2025-07-22	DAE4 Sn1779, 2025-07-08

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 200.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	Y	Y
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2026-06-22	2026-06-22
psSAR1g [W/kg]	0.053	0.052
psSAR10g [W/kg]	0.027	0.026
Power Drift [dB]	-0.01	-0.15
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		89.5
Dist 3dB Peak [mm]		9.0



P31 Halow_1M_Rear Face_1.5cm_Ch46

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device,	165.0 x 80.0 x 15.0		Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, -	BACK, 15.00	D900	CW, -	927.000, 46	8.85	0.985	40.4

Hardware Setup

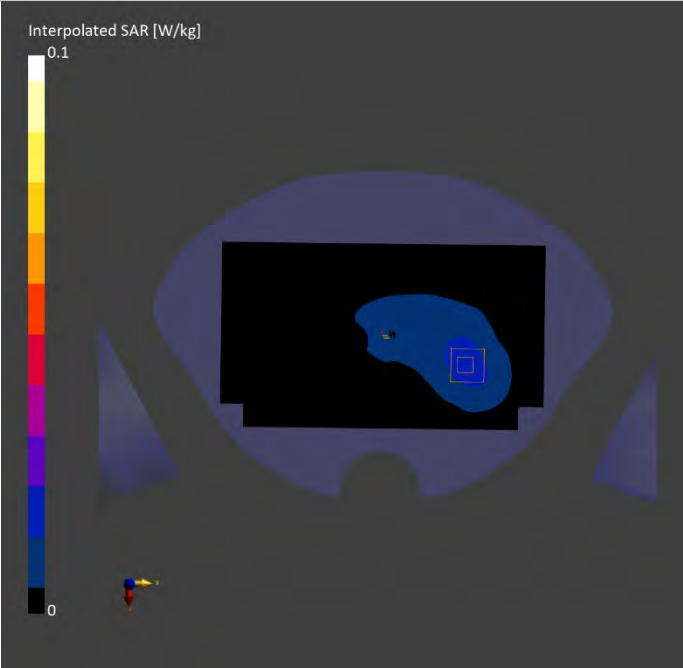
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2135	HSL900-2026-06-23	EX3DV4 - SN7801, 2025-07-22	DAE4 Sn1779, 2025-07-08

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 210.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	Y	Y
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2026-06-23	2026-06-23
psSAR1g [W/kg]	0.017	0.019
psSAR10g [W/kg]	0.011	0.011
Power Drift [dB]	-0.21	0.04
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		95.0
Dist 3dB Peak [mm]		18.8



P32 GSM850_GPRS 2Tx Slot_Rear Face_1cm_Ch128

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device,	165.0 x 80.0 x 15.0		Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, -	BACK, 10.00	GSM 850	GSM, -	824.200, 128	8.95	0.909	40.8

Hardware Setup

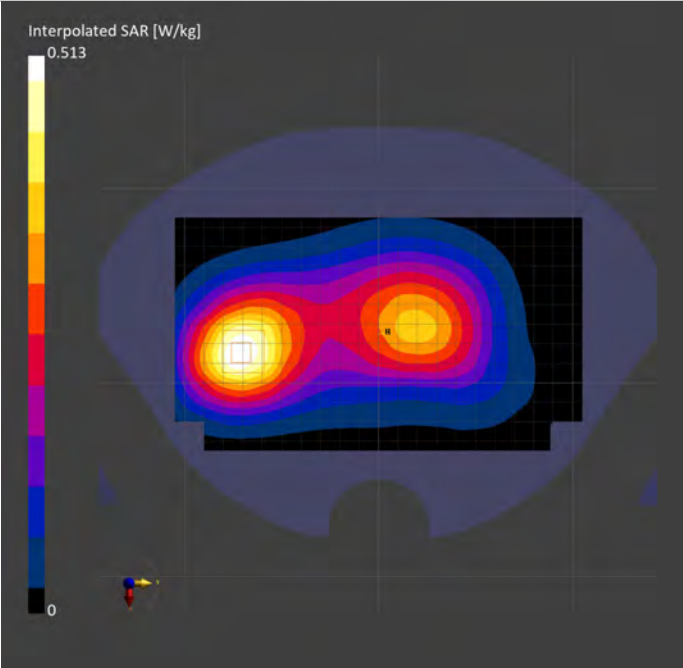
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2135	HSL835-2026-06-01	EX3DV4 - SN7801, 2025-07-22	DAE4 Sn1779, 2025-07-08

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 210.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2026-06-01	2026-06-01
psSAR1g [W/kg]	0.449	0.459
psSAR10g [W/kg]	0.302	0.302
Power Drift [dB]	-0.01	-0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		87.6
Dist 3dB Peak [mm]		21.3



P33 GSM1900_GPRS 2Tx Slot_Rear Face_1cm_Ch810

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device,	165.0 x 80.0 x 15.0		Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, -	BACK, 10.00	PCS 1900	GSM, -	1909.800, 810	7.22	1.40	40.8

Hardware Setup

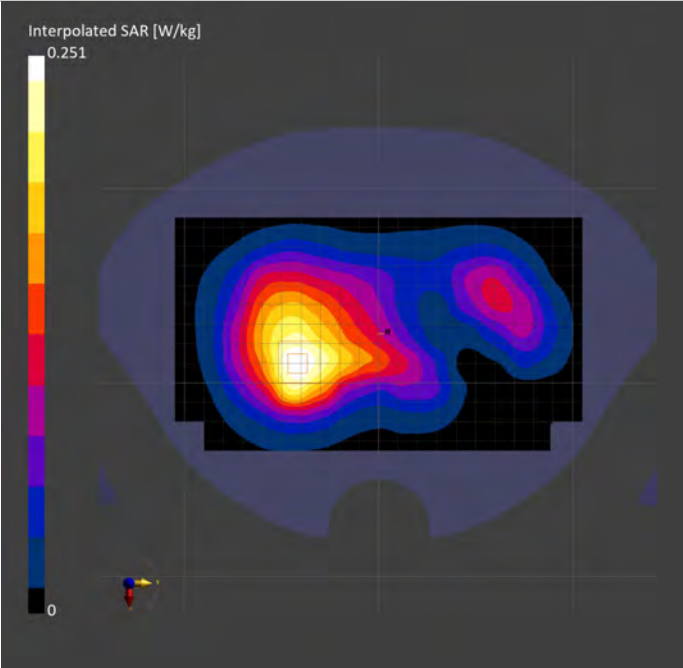
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2135	HSL1950-2026-06-03	EX3DV4 - SN7801, 2025-07-22	DAE4 Sn1779, 2025-07-08

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 210.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2026-06-03	2026-06-03
psSAR1g [W/kg]	0.210	0.218
psSAR10g [W/kg]	0.127	0.132
Power Drift [dB]	-0.04	-0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		84.6
Dist 3dB Peak [mm]		16.1



P34 WCDMA II_RMC12.2K_Rear Face_1cm_Ch9538

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device,	165.0 x 80.0 x 15.0		Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, -	BACK, 10.00	Band 2	WCDMA, -	1907.600, 9538	7.22	1.40	40.8

Hardware Setup

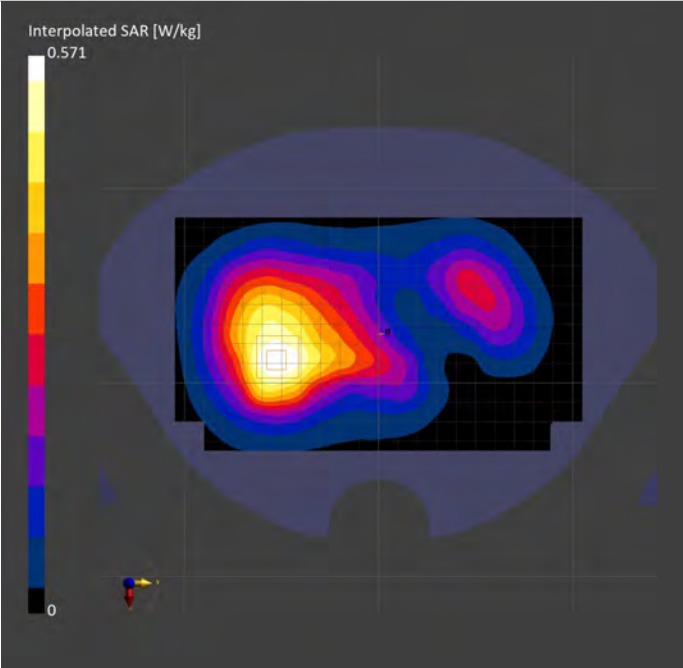
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2135	HSL1950-2026-06-03	EX3DV4 - SN7801, 2025-07-22	DAE4 Sn1779, 2025-07-08

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 210.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2026-06-03	2026-06-03
psSAR1g [W/kg]	0.481	0.498
psSAR10g [W/kg]	0.295	0.309
Power Drift [dB]	0.02	-0.09
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		86.4
Dist 3dB Peak [mm]		18.7



P35 WCDMA IV_RMC12.2K_Rear Face_1cm_Ch1513

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device,	165.0 x 80.0 x 15.0		Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, -	BACK, 10.00	Band 4	WCDMA, -	1752.600, 1513	7.45	1.40	40.2

Hardware Setup

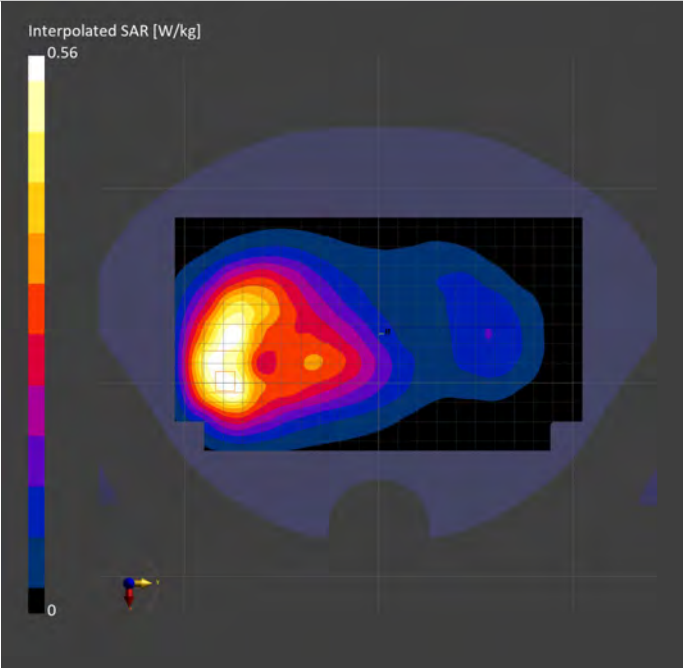
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2135	HSL1750-2026-06-05	EX3DV4 - SN7801, 2025-07-22	DAE4 Sn1779, 2025-07-08

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 210.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2026-06-05	2026-06-05
psSAR1g [W/kg]	0.464	0.541
psSAR10g [W/kg]	0.284	0.310
Power Drift [dB]	-0.04	0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		85.7
Dist 3dB Peak [mm]		11.4



P36 WCDMA V_RMC12.2K_Rear Face_1cm_Ch4233

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device,	165.0 x 80.0 x 15.0		Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, -	BACK, 10.00	Band 5	WCDMA, -	846.600, 4233	8.95	0.919	40.7

Hardware Setup

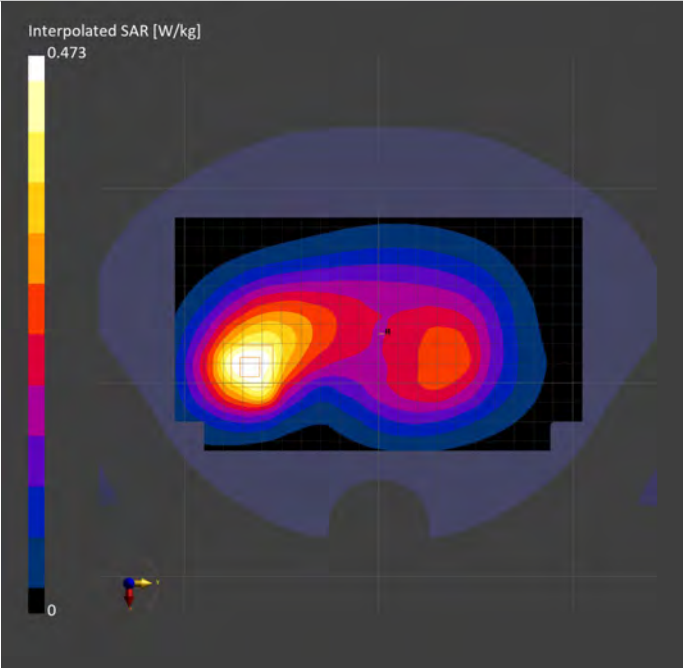
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2135	HSL835-2026-06-01	EX3DV4 - SN7801, 2025-07-22	DAE4 Sn1779, 2025-07-08

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 210.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2026-06-01	2026-06-01
psSAR1g [W/kg]	0.416	0.412
psSAR10g [W/kg]	0.278	0.280
Power Drift [dB]	-0.02	-0.06
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		87.4
Dist 3dB Peak [mm]		17.2



P37 LTE B2_QPSK20M_Rear Face_1cm_Ch19100_1RB_OS99

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device,	165.0 x 80.0 x 15.0		Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, -	BACK, 10.00	Band 2	LTE-FDD, -	1900.000, 19100	7.22	1.40	40.8

Hardware Setup

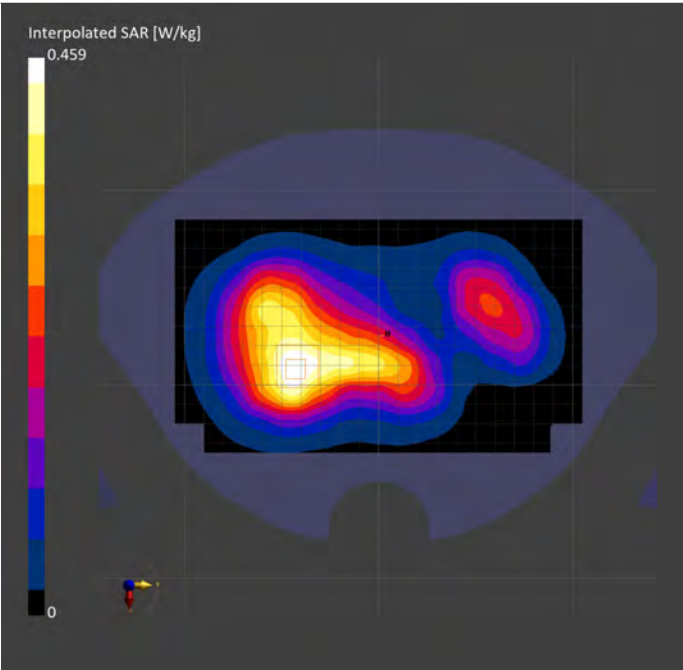
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2135	HSL1950-2026-06-03	EX3DV4 - SN7801, 2025-07-22	DAE4 Sn1779, 2025-07-08

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 210.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2026-06-03	2026-06-03
psSAR1g [W/kg]	0.386	0.408
psSAR10g [W/kg]	0.236	0.246
Power Drift [dB]	-0.00	-0.03
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		84.0
Dist 3dB Peak [mm]		14.6



P38 LTE B4_QPSK20M_Rear Face_1cm_Ch20175_1RB_OS99

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device,	165.0 x 80.0 x 15.0		Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, -	BACK, 10.00	Band 4	LTE-FDD, -	1732.500, 20175	7.45	1.39	40.2

Hardware Setup

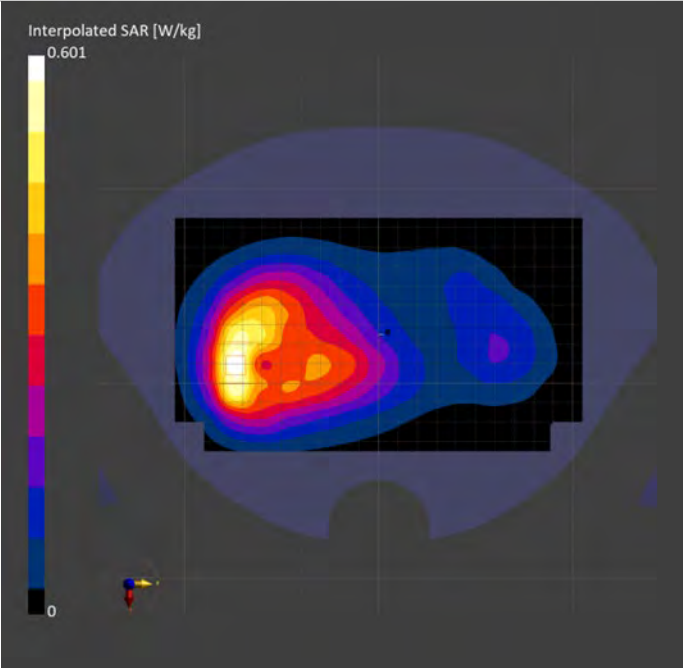
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2135	HSL1750-2026-06-05	EX3DV4 - SN7801, 2025-07-22	DAE4 Sn1779, 2025-07-08

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 210.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2026-06-05	2026-06-05
psSAR1g [W/kg]	0.478	0.490
psSAR10g [W/kg]	0.276	0.288
Power Drift [dB]	-0.02	-0.03
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		86.3
Dist 3dB Peak [mm]		11.9



P39 LTE B5_QPSK10M_Rear Face_1cm_Ch20525_1RB_OS0

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device,	165.0 x 80.0 x 15.0		Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, -	BACK, 10.00	Band 5	LTE-FDD, -	836.500, 20525	8.95	0.946	40.0

Hardware Setup

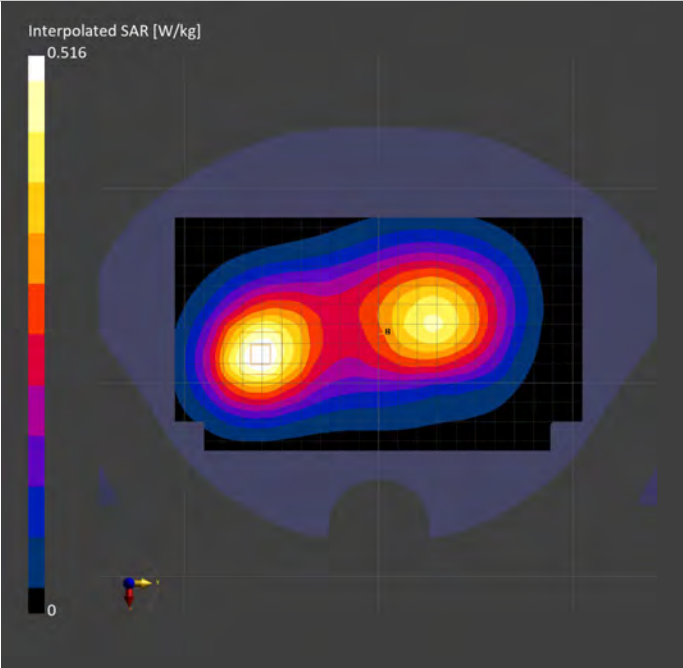
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2135	HSL835-2026-06-01	EX3DV4 - SN7801, 2025-07-22	DAE4 Sn1779, 2025-07-08

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 210.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2026-06-01	2026-06-01
psSAR1g [W/kg]	0.450	0.459
psSAR10g [W/kg]	0.301	0.302
Power Drift [dB]	0.01	0.00
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		87.7
Dist 3dB Peak [mm]		21.3



P40 LTE B12_QPSK10M_Rear Face_1cm_Ch23130_1RB_OS24

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device,	165.0 x 80.0 x 15.0		Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, -	BACK, 10.00	Band 12	LTE-FDD, -	711.000, 23130	9.13	0.907	40.4

Hardware Setup

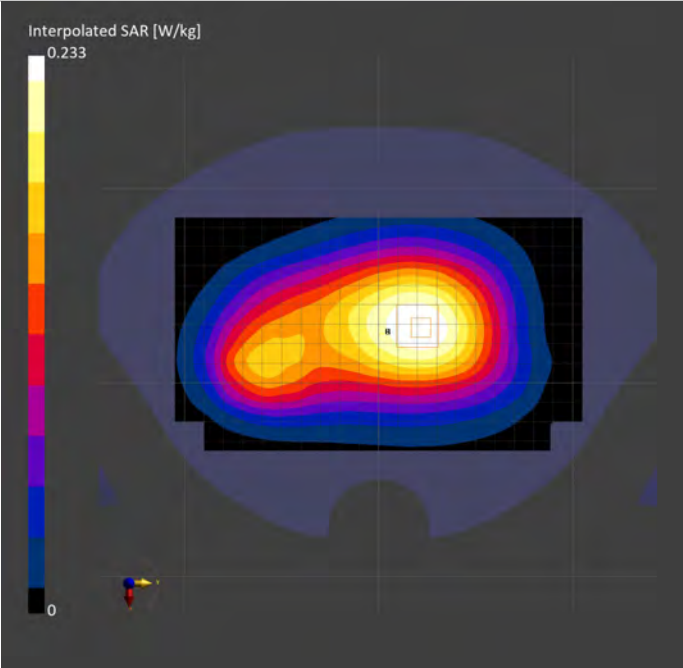
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2135	HSL750-2026-06-05	EX3DV4 - SN7801, 2025-07-22	DAE4 Sn1779, 2025-07-08

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 210.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2026-06-05	2026-06-05
psSAR1g [W/kg]	0.207	0.221
psSAR10g [W/kg]	0.146	0.167
Power Drift [dB]	-0.04	-0.07
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		89.6
Dist 3dB Peak [mm]		> 15.0



P41 LTE B41_QPSK20M_Rear Face_1cm_Ch40620_1RB_OS0

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device,	165.0 x 80.0 x 15.0		Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, -	BACK, 10.00	Band 41	LTE-TDD, -	2593.000, 40620	6.55	1.89	37.2

Hardware Setup

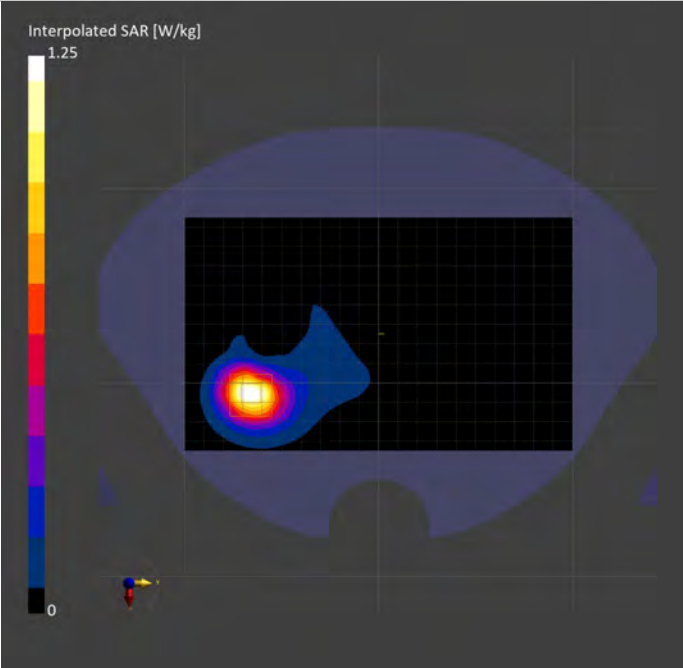
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2135	HSL2550-2026-06-09	EX3DV4 - SN7801, 2025-07-22	DAE4 Sn1779, 2025-07-08

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 200.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2026-06-09	2026-06-09
psSAR1g [W/kg]	0.968	0.967
psSAR10g [W/kg]	0.452	0.459
Power Drift [dB]	0.00	-0.05
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		82.9
Dist 3dB Peak [mm]		9.9



P42 WLAN2.4G_11AX20MIMO_52Tone_RU37_Rear Face_1cm_Ch11

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device,	165.0 x 80.0 x 15.0		Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, -	BACK, 10.00	WLAN 2.4GHz	WLAN, -	2462.000, 11	6.69	1.77	38.6

Hardware Setup

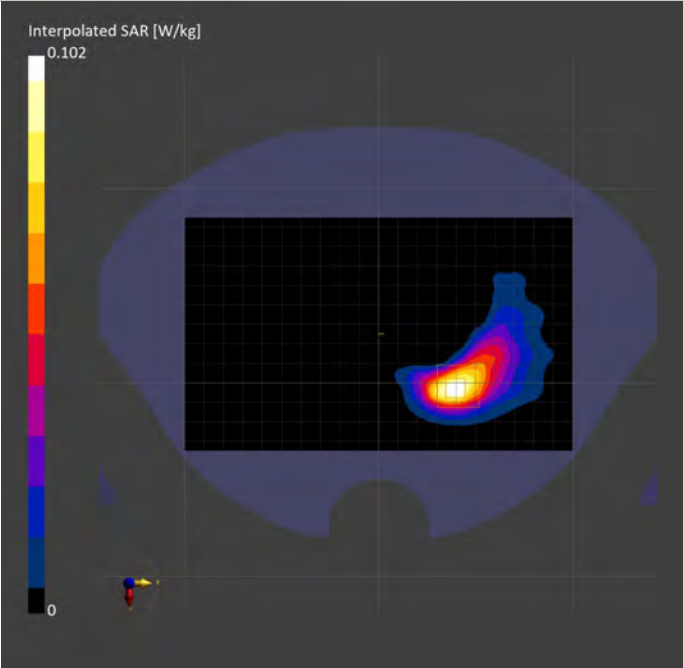
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2135	HSL2450-2026-06-16	EX3DV4 - SN7801, 2025-07-22	DAE4 Sn1779, 2025-07-08

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 200.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	Y	Y
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2026-06-16	2026-06-16
psSAR1g [W/kg]	0.078	0.078
psSAR10g [W/kg]	0.037	0.036
Power Drift [dB]	-0.07	-0.12
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		78.7
Dist 3dB Peak [mm]		8.6



P43 WLAN5G_802.11ac-VHT80_Right Side_1cm_Ch42

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device,	165.0 x 80.0 x 15.0		Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, -	EDGE RIGHT, 10.00	WLAN 5GHz	WLAN, -	5210.000, 42	5.14	4.55	35.8

Hardware Setup

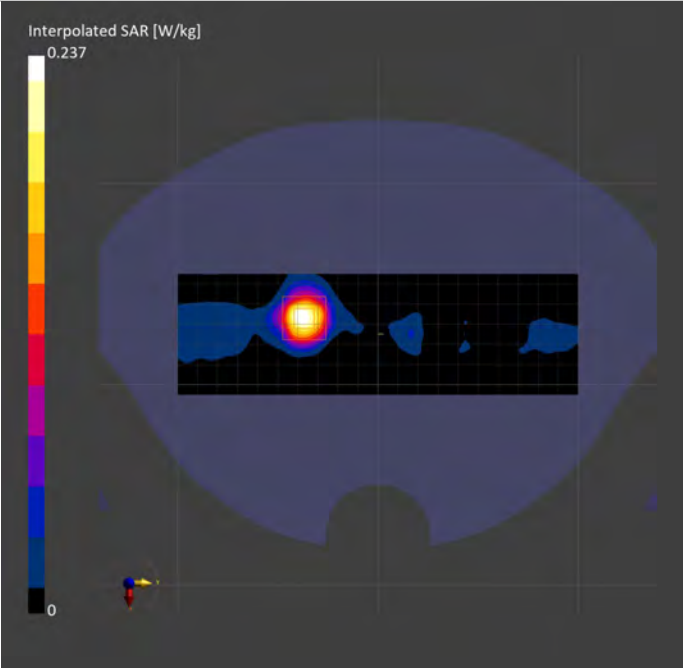
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2135	HSL5G-2026-06-17	EX3DV4 - SN7801, 2025-07-22	DAE4 Sn1779, 2025-07-08

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	60.0 x 200.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 1.4
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.4
MAIA	Y	Y
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2026-06-17	2026-06-17
psSAR1g [W/kg]	0.168	0.170
psSAR10g [W/kg]	0.058	0.050
Power Drift [dB]	0.08	-0.08
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		57.0
Dist 3dB Peak [mm]		8.2



P44 BT_GFSK_Rear Face_1cm_Ch78

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device,	165.0 x 80.0 x 15.0		Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, -	BACK, 10.00	ISM 2.4 GHz Band	Bluetooth, -	2480.000, 78	6.69	1.78	38.6

Hardware Setup

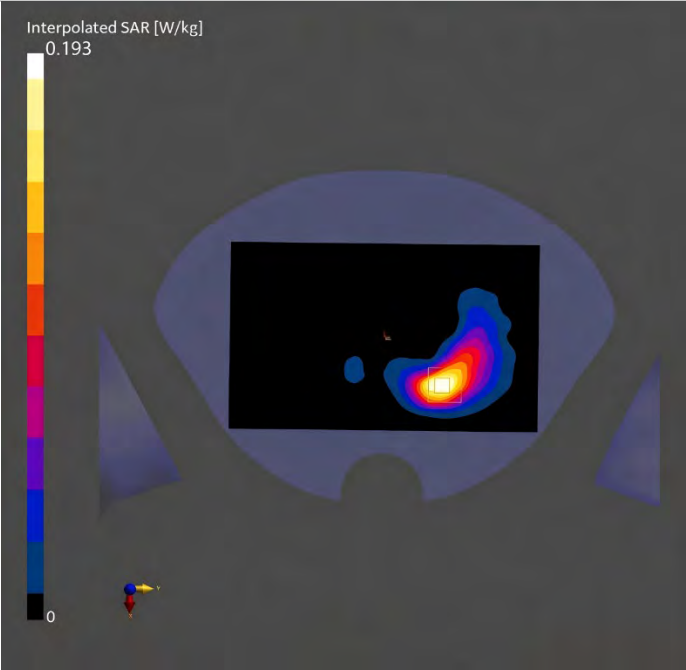
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2135	HSL2450-2026-06-22	EX3DV4 - SN7801, 2025-07-22	DAE4 Sn1779, 2025-07-08

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 200.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	Y	Y
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2026-06-22	2026-06-22
psSAR1g [W/kg]	0.141	0.183
psSAR10g [W/kg]	0.068	0.088
Power Drift [dB]	1.49	0.05
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		81.1
Dist 3dB Peak [mm]		9.5



P45 Halow_1M_Rear Face_1cm_Ch46

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device,	165.0 x 80.0 x 15.0		Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, -	BACK, 10.00	D900	CW, -	927.000, 46	8.85	0.985	40.4

Hardware Setup

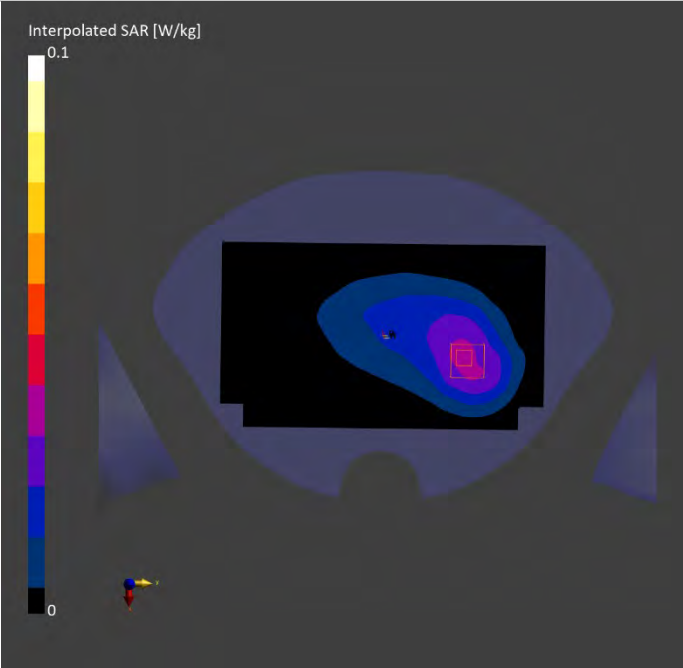
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2135	HSL900-2026-06-23	EX3DV4 - SN7801, 2025-07-22	DAE4 Sn1779, 2025-07-08

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 210.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	Y	Y
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2026-06-23	2026-06-23
psSAR1g [W/kg]	0.031	0.032
psSAR10g [W/kg]	0.021	0.021
Power Drift [dB]	0.06	-0.02
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		85.6
Dist 3dB Peak [mm]		19.7



P46 WLAN5G_802.11ac-VHT80_Right Side_0cm_Ch58

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device,	165.0 x 80.0 x 15.0		Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, -	EDGE RIGHT, 0.00	WLAN 5GHz	WLAN, -	5290.000, 58	5.14	4.70	35.6

Hardware Setup

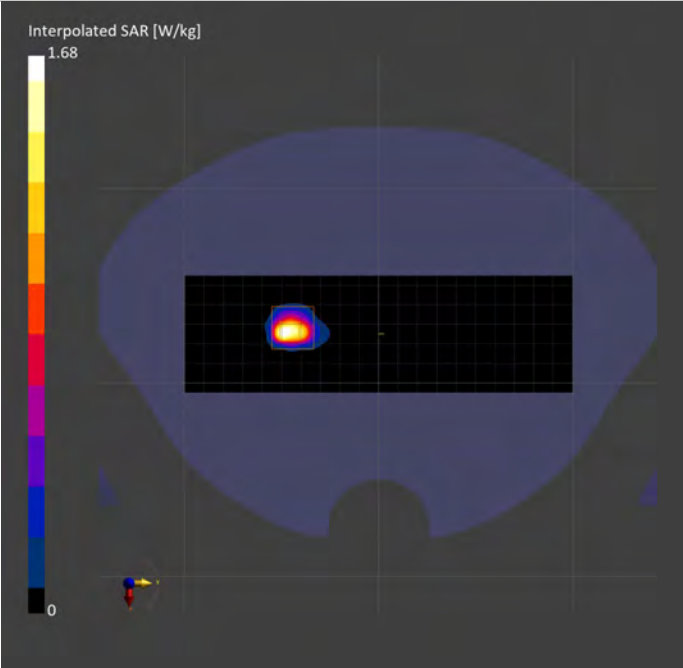
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2135	HSL5G-2026-06-18	EX3DV4 - SN7801, 2025-07-22	DAE4 Sn1779, 2025-07-08

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	60.0 x 200.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 1.4
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.4
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2026-06-18	2026-06-18
psSAR1g [W/kg]	1.09	1.33
psSAR10g [W/kg]	0.290	0.301
Power Drift [dB]	0.03	-0.04
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		61.5
Dist 3dB Peak [mm]		5.6



P47 WLAN5G_802.11a_Right Side_0cm_Ch100

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device,	165.0 x 80.0 x 15.0		Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, -	EDGE RIGHT, 0.00	WLAN 5GHz	WLAN, -	5500.000, 100	4.75	4.91	35.4

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2135	HSL5G-2026-06-18	EX3DV4 - SN7801, 2025-07-22	DAE4 Sn1779, 2025-07-08

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	60.0 x 200.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 1.4
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.4
MAIA	Y	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2026-06-18	2026-06-18
psSAR1g [W/kg]	0.706	0.912
psSAR10g [W/kg]	0.187	0.201
Power Drift [dB]	0.02	-0.04
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		57.8
Dist 3dB Peak [mm]		5.4

