FCC SAR Test Report

Report No.	:	**PSU-QSU2503210311SA02**
Applicant	:	**JetWave Technology Co., Ltd.**
Address	:	**Building 6, Floor 10, Room 1001-4, No. 5 Xingshengfang Road,Daxing**
Manufacturer	:	**JetWave Technology Co., Ltd.**
Address	:	**Building 6, Floor 10, Room 1001-4, No. 5 Xingshengfang Road,Daxing**
Product	:	**Remote control for the electric Hydrofoil surfboard**
FCC ID	:	**2BQTS-RC2000**
Brand	:	**Jetwave**
Model No.	:	**RC2000 / RC2000-a**
Marketing Name	:	**Smart Controller**
Standards	:	**FCC 47 CFR Part 2 (2.1093) / IEEE C95.1:1992 / IEEE 1528:2013** **KDB 865664 D01 v01r04 / KDB 865664 D02 v01r02 /** **KDB 447498 D01 v06 / KDB 248227 D01 v02r02** **KDB 941225 D05 v02r05 / KDB 648474 D04 v01r03 / KDB 941225 D01 v03r01**
Sample Received Date	:	**Feb. 24, 2025**
Date of Testing	:	**Feb. 24, 2025 ~ Jul. 25, 2025**
FCC Designation No.	:	**CN1325** **FCC Site Registration No.** : **434559**

CERTIFICATION: The above equipment have been tested by **Huarui 7layers High Technology (Suzhou) 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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Table of Contents

Release Control Record

Report No.	Reason for Change	Date Issued
PSU-QSU2503210311SA02	Initial release	Jul. 29, 2025

1. Summary of Maximum SAR Value

Equipment Class	Mode	Highest Reported Body-worn SAR_{1g} (1.0 cm Gap) (W/kg)	Highest Reported Extremity SAR_{10g} (0 cm Gap) (W/kg)
PCB	WCDMA II	0.26	0.74
	WCDMA IV	0.19	0.74
	WCDMA V	0.19	0.42
	LTE Band 2	0.10	0.47
	LTE Band 5	0.26	0.41
	LTE Band 7	1.29	2.15
	LTE Band 12/17	0.09	0.11
	LTE Band 13	0.17	0.40
	LTE Band 41/38	0.46	0.84
	LTE Band 66/4	0.05	0.29
DTS	2.4GHz WLAN	0.16	0.21
DSS	Bluetooth	0.04	0.05

Note:

1. The SAR limit **(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.

2. Description of Equipment Under Test

EUT Type	Remote control for the electric Hydrofoil surfboard
FCC ID	2BQTS-RC2000
Brand Name	Jetwave
Model Name	RC2000 / RC2000-a
Marketing Name	Smart Controller
HW Version	V1.0
SW Version	V1.0
Tx Frequency Bands (Unit: MHz)	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 7 : 2502.5 ~ 2567.5 LTE Band 12 : 699.7 ~ 715.3 LTE Band 13 : 779.5 ~ 784.5 LTE Band 17 : 706.5 ~ 713.5 LTE Band 38 : 2572.5 ~ 2617.5 LTE Band 41 : 2498.5 ~ 2687.5 LTE Band 66 : 1710.7 ~ 1779.3 WLAN : 2412 ~ 2462 Bluetooth : 2402 ~ 2480
Uplink Modulations	WCDMA : QPSK LTE : QPSK, 16QAM, 64QAM 802.11b : DSSS 802.11g/n : OFDM
Maximum Tune-up Conducted Power (Unit: dBm)	Please refer to section 4.5.1 of this report.
Antenna Type	Fixed Internal Antenna
EUT Stage	Identical Prototype

Note:

1. 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.
2. This device supports both LTE B4/17/38 and B12/41/66.Since the supported frequency span for LTE B4/17/38 falls completely within the LTE B12/41/66, they have the same target power, and share the same transmission path, therefore SAR was only assessed for B12/41/66.
3. WWAN, WIFI and BT cannot be transmitted simultaneously with each other.
4. The RC2000 and RC2000-a are merely differentiated by the different regions of shipment and the different naming conventions. Beyond that, all other functions are exactly the same.

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:

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

SAR is expressed in units of Watts per kilogram (W/kg)
SAR measurement can be related to the electrical field in the tissue by

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

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 DASY5 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 form the optical into digital electric signal of the DAE and transfers data to the PC.

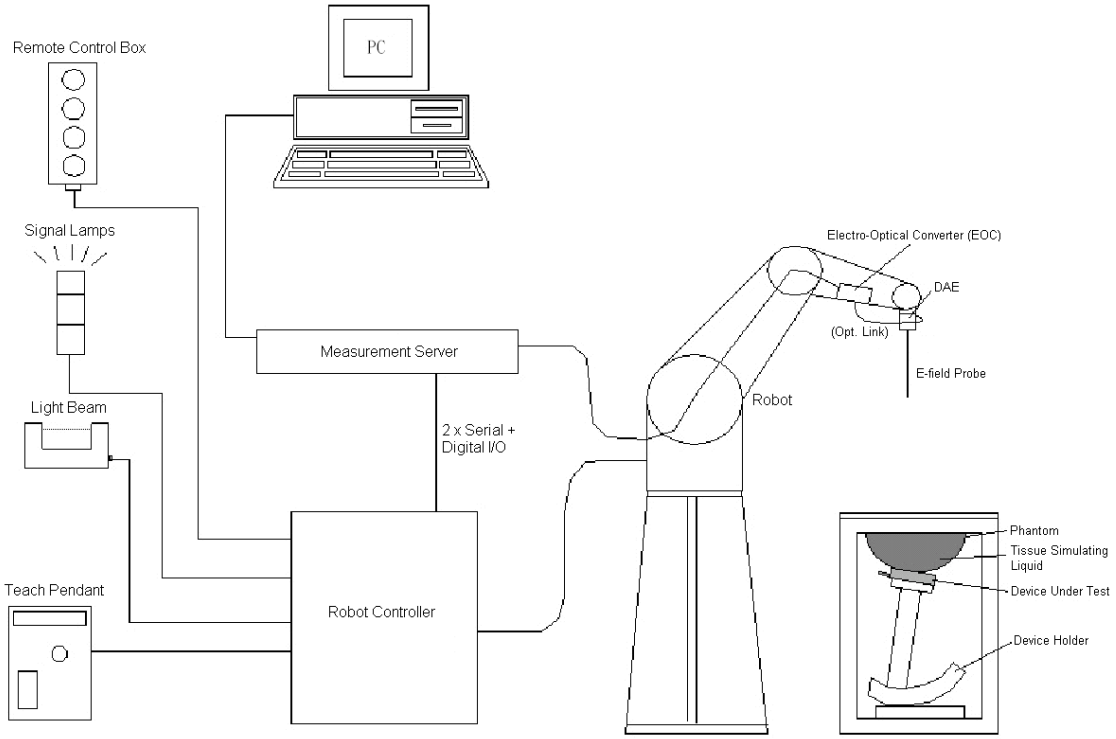


Fig-3.1 DASY System Setup

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 (DASY) 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)

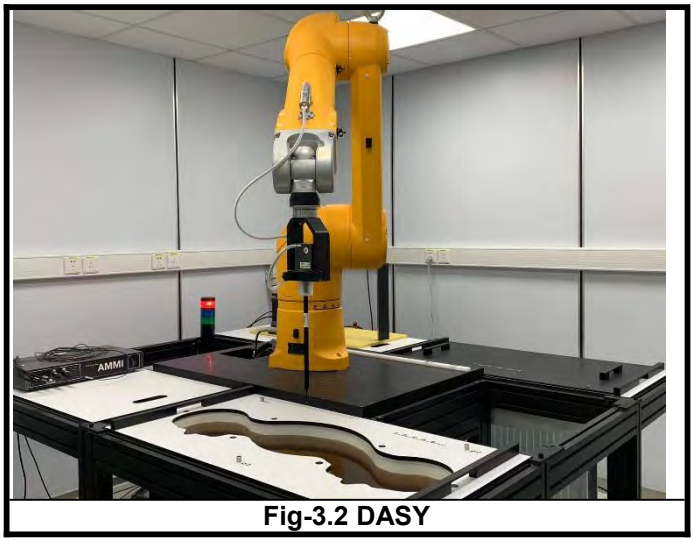


Fig-3.2 DASY

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 µW/g to 100 mW/g Linearity: ± 0.2 dB (noise: typically < 1 µW/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) ± 0.3 dB in tissue material (rotation normal to probe axis)
Dynamic Range	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 l/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.

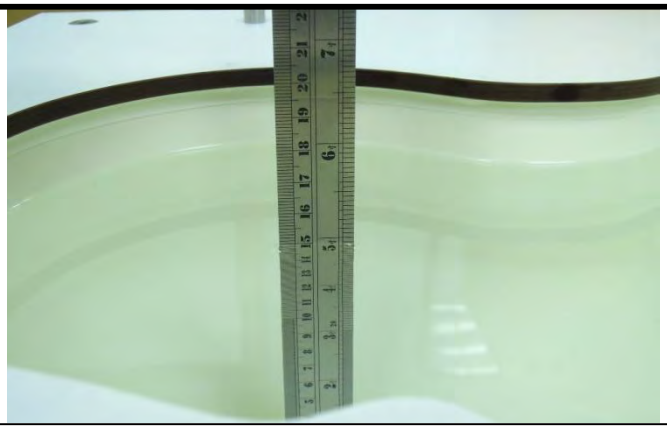
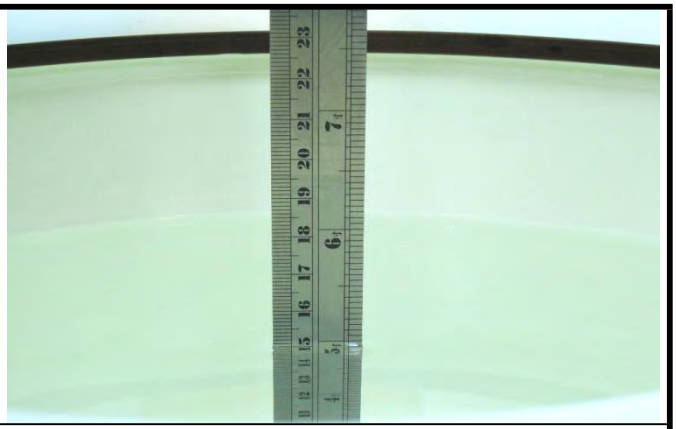
	

Photo of Liquid Height for Head Position	**Photo of Liquid Height for Body Position**

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 ±5%	Target Conductivity	Range of ±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.

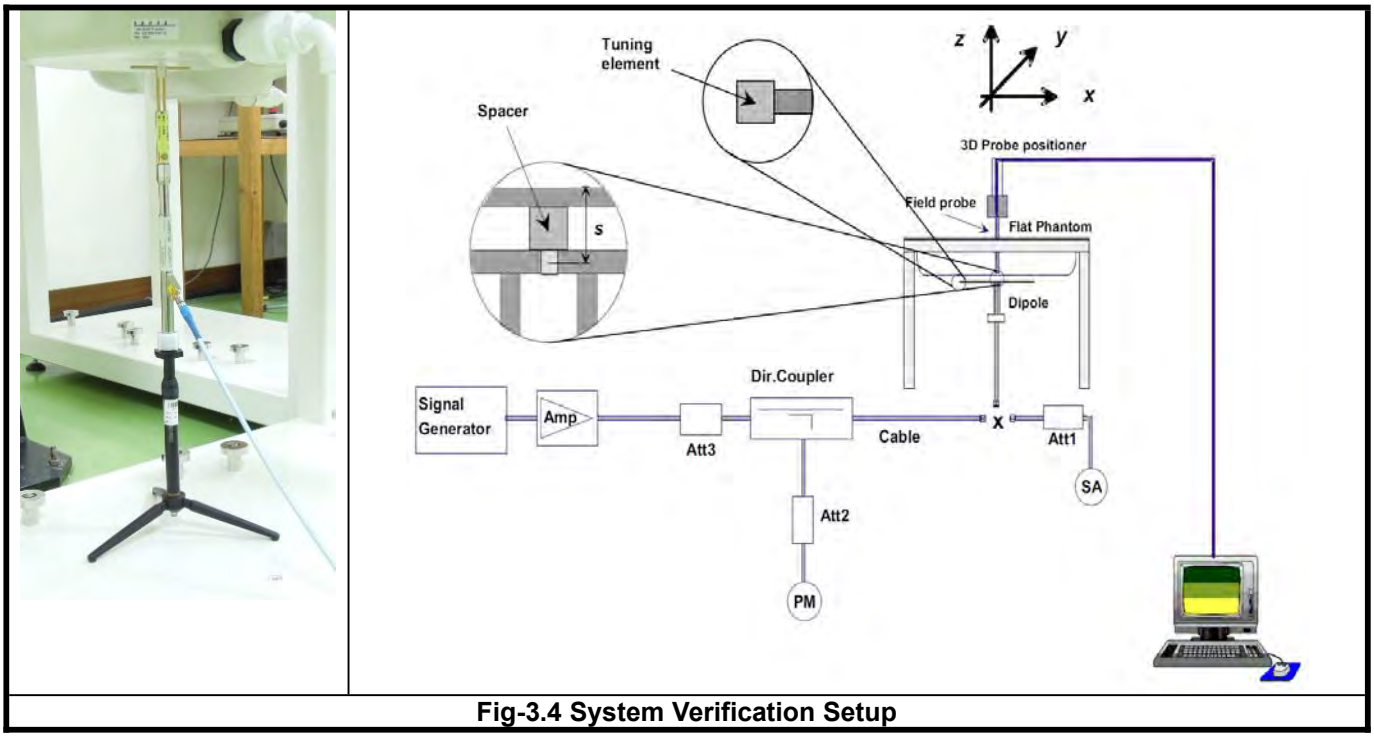


Fig-3.4 System Verification Setup

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 (250 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:

(a) Power reference measurement
(b) Area scan
(c) Zoom scan
(d) Power drift measurement

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

(a) Make EUT to transmit maximum output power
(b) Measure conducted output power through RF cable
(c) Place the EUT in the specific position of phantom
(d) Perform SAR testing steps on the DASY system
(e) 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 (Δx, Δy)	<= 15 mm	<= 12 mm	<= 12 mm	<= 10 mm	<= 10 mm
Zoom Scan (Δx, Δy)	<= 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 Δx / Δy (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 form 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 (Anritsu MT8821C is used for 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 WCDMA for Setup and Testing>

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.

<Considerations Related to LTE for Setup and Testing>

This device contains LTE transmitter which follows 3GPP standards, supports both QPSK 16QAM and 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 both QPSK 16QAM modulation. The results please refer to section 4.6 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		
7			V	V	V	V
12	V	V	V	V		
13			V	V		
17			V	V		
38			V	V	V	V
41			V	V	V	V
66	V	V	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.

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

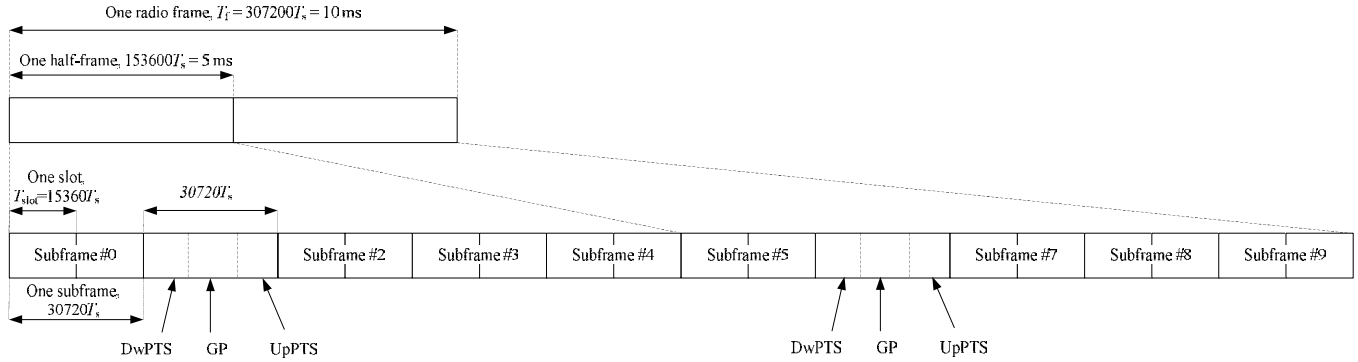
Note: MPR is according to the standard and implemented in the circuit (mandatory).

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	4384·Ts	5120·Ts
5	6592·Ts	4384·Ts	5120·Ts	20480·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%.

<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.

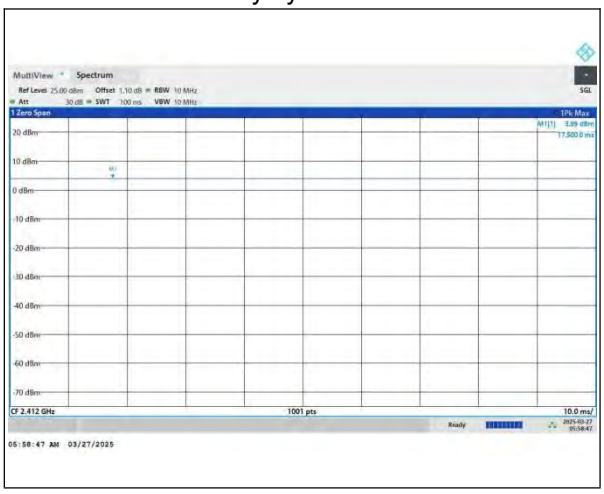
1) The channel closest to mid-band frequency is selected for SAR measurement.
2) For channels with equal separation from mid-band frequency; for example, high and low channels or two mid-band channels, the higher frequency (number) channel is selected for SAR measurement.

<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.

<Duty Cycle of Test Signal>

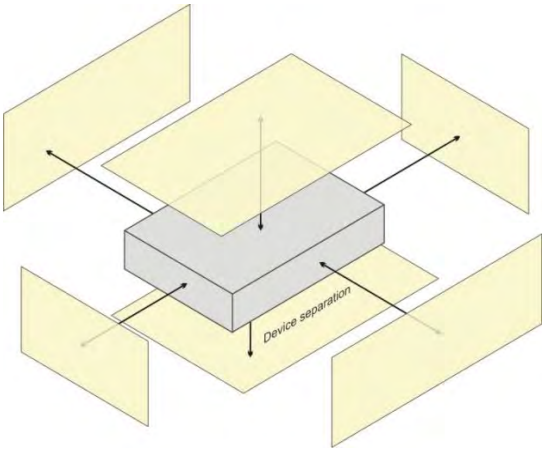
WLAN2.4G 11b: Duty cycle = 1



4.2 EUT Testing Position

4.2.1 Body Exposure Conditions

This EUT was tested for all the close to the human body of intended use surfaces of the EUT. The separation distance between this EUT and phantom is 1.0 cm.



4.2.2 Extremity Exposure Conditions

Devices that are designed or intended for use on extremities or mainly operated in extremity only exposure conditions; i.e., hands, wrists, feet and ankles, may require extremity SAR evaluation. When the device also operates in close proximity to the user's body, SAR compliance for the body is also required. When extremity SAR testing is required, a flat phantom must be used if the exposure condition is more conservative than the actual use conditions; otherwise, a KDB inquiry is required to determine the phantom and test requirements. Body SAR compliance is also tested with a flat phantom. For devices with irregular shapes or form factors that do not conform to a flat phantom, and/or unusual operating configurations and exposure conditions, a KDB inquiry is also required to determine the appropriate SAR measurement procedures.

4.3 Tissue Verification

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

Test Date	Tissue Type	Frequency (MHz)	Liquid Temp. (℃)	Measured Conductivity (σ)	Measured Permittivity (ε_r)	Target Conductivity (σ)	Target Permittivity (ε_r)	Conductivity Deviation (%)	Permittivity Deviation (%)
May. 30, 2025	Head	750	22.6	0.880	42.900	0.89	41.90	-1.12	2.39
May. 31, 2025	Head	835	22.4	0.905	43.500	0.90	41.50	0.56	4.82
Jun. 06, 2025	Head	900	22.4	0.935	42.700	0.97	41.50	-3.61	2.89
Jun. 01, 2025	Head	1750	22.4	1.360	39.600	1.37	40.10	-0.73	-1.25
Jun. 03, 2025	Head	1950	22.5	1.440	39.600	1.40	40.00	2.86	-1.00
Jun. 04, 2025	Head	1950	22.5	1.430	38.700	1.40	40.00	2.14	-3.25
Jun. 01, 2025	Head	2300	22.4	1.680	40.200	1.67	39.50	0.60	1.77
Jun. 02, 2025	Head	2450	22.5	1.740	37.800	1.80	39.20	-3.33	-3.57
Jun. 05, 2025	Head	2550	22.4	1.880	39.100	1.91	39.07	-1.52	0.07

Note:

1. The dielectric properties of the tissue simulating liquid must be measured within 24 hours before the SAR testing and within ±5% of the target values. Liquid temperature during the SAR testing must be within ±2 ℃.
2. Since the maximum deviation of dielectric properties of the tissue simulating liquid is within 5%, SAR correction is evaluated in the measurement uncertainty shown on section 6 of this report.

4.4 System Verification

The measuring result for system verification is tabulated as below.

<1g>

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
May. 30, 2025	Head	750	8.42	0.820	8.20	-2.61	1200	3873	1389
May. 31, 2025	Head	835	9.63	0.954	9.54	-0.93	4d265	3873	1389
Jun. 06, 2025	Head	900	10.80	1.04	10.40	-3.70	1d111	3873	1389
Jun. 01, 2025	Head	1750	36.70	3.63	36.30	-1.09	1176	3873	1389
Jun. 03, 2025	Head	1950	40.80	3.98	39.80	-2.45	1229	3873	1389
Jun. 04, 2025	Head	1950	40.80	3.92	39.20	-3.92	1229	3873	1389
Jun. 01, 2025	Head	2300	49.10	4.97	49.70	1.22	1110	3873	1389
Jun. 02, 2025	Head	2450	53.30	5.22	52.20	-2.06	1048	3873	1389
Jun. 05, 2025	Head	2550	53.00	5.27	52.70	-0.57	1022	3873	1389

<10g>

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
May. 30, 2025	Head	750	5.55	0.551	5.51	-0.72	1200	3873	1389
May. 31, 2025	Head	835	6.33	0.611	6.11	-3.48	4d265	3873	1389
Jun. 06, 2025	Head	900	6.98	0.677	6.77	-3.01	1d111	3873	1389
Jun. 01, 2025	Head	1750	19.50	1.92	19.20	-1.54	1176	3873	1389
Jun. 03, 2025	Head	1950	20.90	2.06	20.60	-1.44	1229	3873	1389
Jun. 04, 2025	Head	1950	20.90	2.01	20.10	-3.83	1229	3873	1389
Jun. 01, 2025	Head	2300	23.20	2.36	23.60	1.72	1110	3873	1389
Jun. 02, 2025	Head	2450	24.60	2.44	24.40	-0.81	1048	3873	1389
Jun. 05, 2025	Head	2550	24.20	2.39	23.90	-1.24	1022	3873	1389

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 ≤ 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 Body-worn Exposure Condition (Separation Distance is 1.0 cm Gap)

Plot No.	Band	Mode	Test Position	Ch.	RB	RB Offset	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 Facto	Scaled SAR-1g (W/kg)
P01	WCDMA II	RMC 12.2K	Front Face	9400	-	-	-	23.50	22.66	0.00	0.216	1.000	1.213	**0.26**
	WCDMA II	RMC 12.2K	Rear Face	9400	-	-	-	23.50	22.66	0.02	0.087	1.000	1.213	0.11
	WCDMA II	RMC 12.2K	Left Side	9400	-	-	-	23.50	22.66	0.12	0.082	1.000	1.213	0.10
	WCDMA II	RMC 12.2K	Right Side	9400	-	-	-	23.50	22.66	-0.02	0.044	1.000	1.213	0.05
	WCDMA II	RMC 12.2K	Top Side	9400	-	-	-	23.50	22.66	0.05	0.049	1.000	1.213	0.06
P02	WCDMA IV	RMC 12.2K	Front Face	1513	-	-	-	23.50	22.57	0.12	0.154	1.000	1.239	**0.19**
	WCDMA IV	RMC 12.2K	Rear Face	1513	-	-	-	23.50	22.57	-0.11	0.143	1.000	1.239	0.18
	WCDMA IV	RMC 12.2K	Left Side	1513	-	-	-	23.50	22.57	0.15	0.063	1.000	1.239	0.08
	WCDMA IV	RMC 12.2K	Right Side	1513	-	-	-	23.50	22.57	0.08	0.071	1.000	1.239	0.09
	WCDMA IV	RMC 12.2K	Top Side	1513	-	-	-	23.50	22.57	0.06	0.044	1.000	1.239	0.05
P03	WCDMA V	RMC 12.2K	Front Face	4233	-	-	-	24.00	23.07	0.00	0.153	1.000	1.239	**0.19**
	WCDMA V	RMC 12.2K	Rear Face	4233	-	-	-	24.00	23.07	0.19	0.130	1.000	1.239	0.16
	WCDMA V	RMC 12.2K	Left Side	4233	-	-	-	24.00	23.07	-0.05	0.141	1.000	1.239	0.17
	WCDMA V	RMC 12.2K	Right Side	4233	-	-	-	24.00	23.07	0.00	0.104	1.000	1.239	0.13
	WCDMA V	RMC 12.2K	Top Side	4233	-	-	-	24.00	23.07	0.00	0.000	1.000	1.239	0.00
	LTE Band 2	QPSK20M	Front Face	18700	1	50	-	23.50	22.30	-0.18	0.043	1.000	1.318	0.06
P04	LTE Band 2	QPSK20M	Rear Face	18700	1	50	-	23.50	22.30	0.00	0.075	1.000	1.318	**0.10**
	LTE Band 2	QPSK20M	Left Side	18700	1	50	-	23.50	22.30	0.04	0.064	1.000	1.318	0.08
	LTE Band 2	QPSK20M	Right Side	18700	1	50	-	23.50	22.30	0.00	0.000	1.000	1.318	0.00
	LTE Band 2	QPSK20M	Top Side	18700	1	50	-	23.50	22.30	0.00	0.000	1.000	1.318	0.00
	LTE Band 2	QPSK20M	Front Face	18700	50	25	-	22.50	21.29	-0.1	0.042	1.000	1.321	0.06
	LTE Band 2	QPSK20M	Rear Face	18700	50	25	-	22.50	21.29	0.07	0.028	1.000	1.321	0.04
	LTE Band 2	QPSK20M	Left Side	18700	50	25	-	22.50	21.29	-0.03	0.059	1.000	1.321	0.08
	LTE Band 2	QPSK20M	Right Side	18700	50	25	-	22.50	21.29	0.00	0.000	1.000	1.321	0.00
	LTE Band 2	QPSK20M	Top Side	18700	50	25	-	22.50	21.29	0.00	0.000	1.000	1.321	0.00
P05	LTE Band 5	QPSK10M	Front Face	20450	1	24	-	23.50	22.74	-0.16	0.222	1.000	1.191	**0.26**
	LTE Band 5	QPSK10M	Rear Face	20450	1	24	-	23.50	22.74	0.02	0.213	1.000	1.191	0.25
	LTE Band 5	QPSK10M	Left Side	20450	1	24	-	23.50	22.74	-0.14	0.147	1.000	1.191	0.18
	LTE Band 5	QPSK10M	Right Side	20450	1	24	-	23.50	22.74	0.14	0.000	1.000	1.191	0.00
	LTE Band 5	QPSK10M	Top Side	20450	1	24	-	23.50	22.74	-0.08	0.000	1.000	1.191	0.00
	LTE Band 5	QPSK10M	Front Face	20450	25	0	-	22.50	21.66	0.05	0.146	1.000	1.213	0.18
	LTE Band 5	QPSK10M	Rear Face	20450	25	0	-	22.50	21.66	0.14	0.124	1.000	1.213	0.15
	LTE Band 5	QPSK10M	Left Side	20450	25	0	-	22.50	21.66	-0.07	0.123	1.000	1.213	0.15
	LTE Band 5	QPSK10M	Right Side	20450	25	0	-	22.50	21.66	-0.08	0.000	1.000	1.213	0.00
	LTE Band 5	QPSK10M	Top Side	20450	25	0	-	22.50	21.66	0.02	0.000	1.000	1.213	0.00
	LTE Band 7	QPSK20M	Front Face	21350	1	50	-	23.00	22.39	0.09	0.348	1.000	1.151	0.40
P06	LTE Band 7	QPSK20M	Rear Face	21350	1	50	-	23.00	22.39	-0.03	1.120	1.000	1.151	**1.29**
	LTE Band 7	QPSK20M	Left Side	21350	1	50	-	23.00	22.39	0.05	0.284	1.000	1.151	0.33
	LTE Band 7	QPSK20M	Right Side	21350	1	50	-	23.00	22.39	0.10	0.074	1.000	1.151	0.09
	LTE Band 7	QPSK20M	Top Side	21350	1	50	-	23.00	22.39	-0.06	0.080	1.000	1.151	0.09
	LTE Band 7	QPSK20M	Front Face	21350	50	25	-	22.00	21.32	-0.03	0.276	1.000	1.169	0.32
	LTE Band 7	QPSK20M	Rear Face	21350	50	25	-	22.00	21.32	0.02	0.933	1.000	1.169	1.09
	LTE Band 7	QPSK20M	Left Side	21350	50	25	-	22.00	21.32	0.09	0.244	1.000	1.169	0.29
	LTE Band 7	QPSK20M	Right Side	21350	50	25	-	22.00	21.32	-0.04	0.060	1.000	1.169	0.07
	LTE Band 7	QPSK20M	Top Side	21350	50	25	-	22.00	21.32	0.14	0.062	1.000	1.169	0.07
	LTE Band 7	QPSK20M	Rear Face	20850	1	50	-	23.00	22.25	-0.10	0.955	1.000	1.334	1.27
	LTE Band 7	QPSK20M	Rear Face	21100	1	50	-	23.00	22.33	0.09	0.912	1.000	1.309	1.19
	LTE Band 7	QPSK20M	Rear Face	20850	50	25	-	22.00	21.22	0.09	0.885	1.000	1.343	1.19
	LTE Band 7	QPSK20M	Rear Face	21100	50	25	-	22.00	21.27	0.04	0.864	1.000	1.327	1.15
	LTE Band 7	QPSK20M	Rear Face	21350	100	0	-	22.00	21.24	0.04	0.875	1.000	1.337	1.17
	LTE Band 12	QPSK10M	Front Face	23060	1	24	-	23.50	22.81	0.06	0.000	1.000	1.172	0.00
P07	LTE Band 12	QPSK10M	Rear Face	23060	1	24	-	23.50	22.81	-0.01	0.077	1.000	1.172	**0.09**
	LTE Band 12	QPSK10M	Left Side	23060	1	24	-	23.50	22.81	-0.13	0.044	1.000	1.172	0.05
	LTE Band 12	QPSK10M	Right Side	23060	1	24	-	23.50	22.81	0.14	0.000	1.000	1.172	0.00
	LTE Band 12	QPSK10M	Top Side	23060	1	24	-	23.50	22.81	0.04	0.000	1.000	1.172	0.00
	LTE Band 12	QPSK10M	Front Face	23060	25	0	-	22.50	21.87	0.10	0.000	1.000	1.156	0.00
	LTE Band 12	QPSK10M	Rear Face	23060	25	0	-	22.50	21.87	0.07	0.061	1.000	1.156	0.07
	LTE Band 12	QPSK10M	Left Side	23060	25	0	-	22.50	21.87	0.00	0.000	1.000	1.156	0.00
	LTE Band 12	QPSK10M	Right Side	23060	25	0	-	22.50	21.87	0.00	0.000	1.000	1.156	0.00
	LTE Band 12	QPSK10M	Top Side	23060	25	0	-	22.50	21.87	0.00	0.000	1.000	1.156	0.00
	LTE Band 13	QPSK10M	Front Face	23230	1	24	-	23.50	22.80	0.02	0.000	1.000	1.175	0.00

Plot No.	Band	Mode	Test Position	Ch.	RB	RB Offset	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 Facto	Scaled SAR-1g (W/kg)
P08	LTE Band 13	QPSK10M	Rear Face	23230	1	24	-	23.50	22.80	-0.06	0.141	1.000	1.175	**0.17**
	LTE Band 13	QPSK10M	Left Side	23230	1	24	-	23.50	22.80	0.15	0.072	1.000	1.175	0.08
	LTE Band 13	QPSK10M	Right Side	23230	1	24	-	23.50	22.80	0.00	0.000	1.000	1.175	0.00
	LTE Band 13	QPSK10M	Top Side	23230	1	24	-	23.50	22.80	0.00	0.000	1.000	1.175	0.00
	LTE Band 13	QPSK10M	Front Face	23230	25	12	-	22.50	21.95	0.03	0.000	1.000	1.135	0.00
	LTE Band 13	QPSK10M	Rear Face	23230	25	12	-	22.50	21.95	0.01	0.122	1.000	1.135	0.14
	LTE Band 13	QPSK10M	Left Side	23230	25	12	-	22.50	21.95	-0.05	0.055	1.000	1.135	0.06
	LTE Band 13	QPSK10M	Right Side	23230	25	12	-	22.50	21.95	0.00	0.000	1.000	1.135	0.00
	LTE Band 13	QPSK10M	Top Side	23230	25	12	-	22.50	21.95	0.00	0.000	1.000	1.135	0.00
	LTE Band 41	QPSK20M	Front Face	40620	1	50	62.9	23.50	22.05	0.19	0.178	1.006	1.396	0.25
P09	LTE Band 41	QPSK20M	Rear Face	40620	1	50	62.9	23.50	22.05	0.06	0.325	1.006	1.396	**0.46**
	LTE Band 41	QPSK20M	Left Side	40620	1	50	62.9	23.50	22.05	0.12	0.179	1.006	1.396	0.25
	LTE Band 41	QPSK20M	Right Side	40620	1	50	62.9	23.50	22.05	0.14	0.051	1.006	1.396	0.07
	LTE Band 41	QPSK20M	Top Side	40620	1	50	62.9	23.50	22.05	0.07	0.040	1.006	1.396	0.06
	LTE Band 41	QPSK20M	Front Face	40620	50	25	62.9	22.50	21.00	-0.02	0.138	1.006	1.413	0.20
	LTE Band 41	QPSK20M	Rear Face	40620	50	25	62.9	22.50	21.00	0.09	0.289	1.006	1.413	0.41
	LTE Band 41	QPSK20M	Left Side	40620	50	25	62.9	22.50	21.00	-0.09	0.143	1.006	1.413	0.20
	LTE Band 41	QPSK20M	Right Side	40620	50	25	62.9	22.50	21.00	-0.02	0.048	1.006	1.413	0.07
	LTE Band 41	QPSK20M	Top Side	40620	50	25	62.9	22.50	21.00	-0.10	0.039	1.006	1.413	0.06
	LTE Band 66	QPSK20M	Front Face	132572	1	50	-	23.50	22.61	0.06	0.025	1.000	1.227	0.03
P10	LTE Band 66	QPSK20M	Rear Face	132572	1	50	-	23.50	22.61	0.03	0.043	1.000	1.227	**0.05**
	LTE Band 66	QPSK20M	Left Side	132572	1	50	-	23.50	22.61	0.06	0.036	1.000	1.227	0.04
	LTE Band 66	QPSK20M	Right Side	132572	1	50	-	23.50	22.61	0.00	0.000	1.000	1.227	0.00
	LTE Band 66	QPSK20M	Top Side	132572	1	50	-	23.50	22.61	0.00	0.000	1.000	1.227	0.00
	LTE Band 66	QPSK20M	Front Face	132572	50	25	-	22.50	21.69	-0.03	0.020	1.000	1.205	0.02
	LTE Band 66	QPSK20M	Rear Face	132572	50	25	-	22.50	21.69	0.08	0.034	1.000	1.205	0.04
	LTE Band 66	QPSK20M	Left Side	132572	50	25	-	22.50	21.69	-0.11	0.035	1.000	1.205	0.04
	LTE Band 66	QPSK20M	Right Side	132572	50	25	-	22.50	21.69	0.00	0.000	1.000	1.205	0.00
	LTE Band 66	QPSK20M	Top Side	132572	50	25	-	22.50	21.69	0.00	0.000	1.000	1.205	0.00
P11	WLAN 2.4G	802.11b 1Mbps	Front Face	1	-	-	100	17.00	16.01	0.02	0.126	1.000	1.256	**0.16**
	WLAN 2.4G	802.11b 1Mbps	Rear Face	1	-	-	100	17.00	16.01	0.06	0.061	1.000	1.256	0.08
	WLAN 2.4G	802.11b 1Mbps	Left Side	1	-	-	100	17.00	16.01	0.01	0.055	1.000	1.256	0.07
	WLAN 2.4G	802.11b 1Mbps	Right Side	1	-	-	100	17.00	16.01	0.00	0.000	1.000	1.256	0.00
	WLAN 2.4G	802.11b 1Mbps	Top Side	1	-	-	100	17.00	16.01	-0.02	0.071	1.000	1.256	0.09
P12	BT	GFSK	Front Face	78	-	-	76.80	10.00	8.70	0.09	0.022	1.302	1.349	**0.04**
	BT	GFSK	Rear Face	78	-	-	76.80	10.00	8.70	0.00	0.009	1.302	1.349	0.02
	BT	GFSK	Left Side	78	-	-	76.80	10.00	8.70	0.00	0.000	1.302	1.349	0.00
	BT	GFSK	Right Side	78	-	-	76.80	10.00	8.70	0.00	0.000	1.302	1.349	0.00
	BT	GFSK	Top Side	78	-	-	76.80	10.00	8.70	0.00	0.000	1.302	1.349	0.00

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

Plot No.	Band	Mode	Test Position	Ch.	RB	RB Offset	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 Facto	Scaled SAR-10g (W/kg)
P13	WCDMA II	RMC 12.2K	Front Face	9400	-	-	-	23.50	22.66	-0.07	0.607	1.000	1.213	**0.74**
	WCDMA II	RMC 12.2K	Rear Face	9400	-	-	-	23.50	22.66	0.05	0.336	1.000	1.213	0.41
	WCDMA II	RMC 12.2K	Left Side	9400	-	-	-	23.50	22.66	-0.01	0.294	1.000	1.213	0.36
	WCDMA II	RMC 12.2K	Right Side	9400	-	-	-	23.50	22.66	0.15	0.111	1.000	1.213	0.13
	WCDMA II	RMC 12.2K	Top Side	9400	-	-	-	23.50	22.66	0.01	0.085	1.000	1.213	0.10
P14	WCDMA IV	RMC 12.2K	Front Face	1513	-	-	-	23.50	22.57	-0.02	0.598	1.000	1.239	**0.74**
	WCDMA IV	RMC 12.2K	Rear Face	1513	-	-	-	23.50	22.57	-0.01	0.388	1.000	1.239	0.48
	WCDMA IV	RMC 12.2K	Left Side	1513	-	-	-	23.50	22.57	-0.14	0.271	1.000	1.239	0.34
	WCDMA IV	RMC 12.2K	Right Side	1513	-	-	-	23.50	22.57	0.06	0.142	1.000	1.239	0.18
	WCDMA IV	RMC 12.2K	Top Side	1513	-	-	-	23.50	22.57	-0.17	0.124	1.000	1.239	0.15
	WCDMA V	RMC 12.2K	Front Face	4233	-	-	-	24.00	23.07	-0.09	0.239	1.000	1.239	0.30
P15	WCDMA V	RMC 12.2K	Rear Face	4233	-	-	-	24.00	23.07	0.01	0.343	1.000	1.239	**0.42**
	WCDMA V	RMC 12.2K	Left Side	4233	-	-	-	24.00	23.07	-0.17	0.328	1.000	1.239	0.41
	WCDMA V	RMC 12.2K	Right Side	4233	-	-	-	24.00	23.07	-0.04	0.114	1.000	1.239	0.14
	WCDMA V	RMC 12.2K	Top Side	4233	-	-	-	24.00	23.07	0.14	0.048	1.000	1.239	0.06
	LTE Band 2	QPSK20M	Front Face	18700	1	50	-	23.50	22.30	0.19	0.182	1.000	1.318	0.24
P16	LTE Band 2	QPSK20M	Rear Face	18700	1	50	-	23.50	22.30	-0.15	0.357	1.000	1.318	**0.47**
	LTE Band 2	QPSK20M	Left Side	18700	1	50	-	23.50	22.30	-0.06	0.258	1.000	1.318	0.34
	LTE Band 2	QPSK20M	Right Side	18700	1	50	-	23.50	22.30	-0.18	0.044	1.000	1.318	0.06
	LTE Band 2	QPSK20M	Top Side	18700	1	50	-	23.50	22.30	0.11	0.000	1.000	1.318	0.00
	LTE Band 2	QPSK20M	Front Face	18700	50	25	-	22.50	21.29	0.09	0.151	1.000	1.321	0.20
	LTE Band 2	QPSK20M	Rear Face	18700	50	25	-	22.50	21.29	-0.12	0.322	1.000	1.321	0.43
	LTE Band 2	QPSK20M	Left Side	18700	50	25	-	22.50	21.29	0.12	0.256	1.000	1.321	0.34
	LTE Band 2	QPSK20M	Right Side	18700	50	25	-	22.50	21.29	0.05	0.024	1.000	1.321	0.03
	LTE Band 2	QPSK20M	Top Side	18700	50	25	-	22.50	21.29	0.00	0.000	1.000	1.321	0.00
	LTE Band 5	QPSK10M	Front Face	20450	1	24	-	23.50	22.74	-0.04	0.252	1.000	1.191	0.30
P17	LTE Band 5	QPSK10M	Rear Face	20450	1	24	-	23.50	22.74	0.00	0.344	1.000	1.191	**0.41**
	LTE Band 5	QPSK10M	Left Side	20450	1	24	-	23.50	22.74	-0.11	0.253	1.000	1.191	0.30
	LTE Band 5	QPSK10M	Right Side	20450	1	24	-	23.50	22.74	-0.19	0.035	1.000	1.191	0.04
	LTE Band 5	QPSK10M	Top Side	20450	1	24	-	23.50	22.74	0.08	0.050	1.000	1.191	0.06
	LTE Band 5	QPSK10M	Front Face	20450	25	0	-	22.50	21.66	0.11	0.247	1.000	1.213	0.30
	LTE Band 5	QPSK10M	Rear Face	20450	25	0	-	22.50	21.66	-0.17	0.315	1.000	1.213	0.38
	LTE Band 5	QPSK10M	Left Side	20450	25	0	-	22.50	21.66	0.19	0.221	1.000	1.213	0.27
	LTE Band 5	QPSK10M	Right Side	20450	25	0	-	22.50	21.66	-0.10	0.089	1.000	1.213	0.11
	LTE Band 5	QPSK10M	Top Side	20450	25	0	-	22.50	21.66	0.00	0.000	1.000	1.213	0.00
	LTE Band 7	QPSK20M	Front Face	21350	1	50	-	23.00	22.39	0.03	0.629	1.000	1.151	0.72
	LTE Band 7	QPSK20M	Rear Face	21350	1	50	-	23.00	22.39	0.19	1.740	1.000	1.151	2.00
	LTE Band 7	QPSK20M	Left Side	21350	1	50	-	23.00	22.39	-0.14	0.815	1.000	1.151	0.94
	LTE Band 7	QPSK20M	Right Side	21350	1	50	-	23.00	22.39	0.08	0.409	1.000	1.151	0.47
	LTE Band 7	QPSK20M	Top Side	21350	1	50	-	23.00	22.39	0.07	0.038	1.000	1.151	0.04
	LTE Band 7	QPSK20M	Front Face	21350	50	25	-	22.00	21.32	-0.05	0.506	1.000	1.169	0.59
	LTE Band 7	QPSK20M	Rear Face	21350	50	25	-	22.00	21.32	0.06	1.480	1.000	1.169	1.73
	LTE Band 7	QPSK20M	Left Side	21350	50	25	-	22.00	21.32	-0.11	0.682	1.000	1.169	0.80
	LTE Band 7	QPSK20M	Right Side	21350	50	25	-	22.00	21.32	0.07	0.310	1.000	1.169	0.36
	LTE Band 7	QPSK20M	Top Side	21350	50	25	-	22.00	21.32	-0.02	0.029	1.000	1.169	0.03
	LTE Band 7	QPSK20M	Rear Face	20850	1	50	-	23.00	22.25	0.02	1.650	1.000	1.189	1.96
P18	LTE Band 7	QPSK20M	Rear Face	21100	1	50	-	23.00	22.33	-0.02	1.840	1.000	1.167	**2.15**
	LTE Band 7	QPSK20M	Rear Face	21350	100	0	-	22.00	21.24	0.08	1.450	1.000	1.191	1.73
	LTE Band 12	QPSK10M	Front Face	23060	1	24	-	23.50	22.81	-0.10	0.000	1.000	1.172	0.00
P19	LTE Band 12	QPSK10M	Rear Face	23060	1	24	-	23.50	22.81	0.00	0.095	1.000	1.172	**0.11**
	LTE Band 12	QPSK10M	Left Side	23060	1	24	-	23.50	22.81	0.14	0.081	1.000	1.172	0.09
	LTE Band 12	QPSK10M	Right Side	23060	1	24	-	23.50	22.81	0.04	0.000	1.000	1.172	0.00
	LTE Band 12	QPSK10M	Top Side	23060	1	24	-	23.50	22.81	-0.06	0.000	1.000	1.172	0.00
	LTE Band 12	QPSK10M	Front Face	23060	25	0	-	22.50	21.87	0.05	0.000	1.000	1.156	0.00
	LTE Band 12	QPSK10M	Rear Face	23060	25	0	-	22.50	21.87	0.09	0.065	1.000	1.156	0.08
	LTE Band 12	QPSK10M	Left Side	23060	25	0	-	22.50	21.87	0.14	0.055	1.000	1.156	0.06
	LTE Band 12	QPSK10M	Right Side	23060	25	0	-	22.50	21.87	0.00	0.000	1.000	1.156	0.00
	LTE Band 12	QPSK10M	Top Side	23060	25	0	-	22.50	21.87	0.00	0.000	1.000	1.156	0.00
	LTE Band 13	QPSK10M	Front Face	23230	1	24	-	23.50	22.80	0.05	0.089	1.000	1.175	0.10
P20	LTE Band 13	QPSK10M	Rear Face	23230	1	24	-	23.50	22.80	-0.03	0.341	1.000	1.175	**0.40**
	LTE Band 13	QPSK10M	Left Side	23230	1	24	-	23.50	22.80	0.07	0.161	1.000	1.175	0.19

Plot No.	Band	Mode	Test Position	Ch.	RB	RB Offset	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 Facto	Scaled SAR-10g (W/kg)
	LTE Band 13	QPSK10M	Right Side	23230	1	24	-	23.50	22.80	0.11	0.000	1.000	1.175	0.00
	LTE Band 13	QPSK10M	Top Side	23230	1	24	-	23.50	22.80	0.08	0.000	1.000	1.175	0.00
	LTE Band 13	QPSK10M	Front Face	23230	25	12	-	22.50	21.95	0.15	0.071	1.000	1.135	0.08
	LTE Band 13	QPSK10M	Rear Face	23230	25	12	-	22.50	21.95	-0.04	0.244	1.000	1.135	0.28
	LTE Band 13	QPSK10M	Left Side	23230	25	12	-	22.50	21.95	0.11	0.165	1.000	1.135	0.19
	LTE Band 13	QPSK10M	Right Side	23230	25	12	-	22.50	21.95	0.00	0.000	1.000	1.135	0.00
	LTE Band 13	QPSK10M	Top Side	23230	25	12	-	22.50	21.95	0.00	0.000	1.000	1.135	0.00
	LTE Band 41	QPSK20M	Front Face	40620	1	50	62.9	23.50	22.05	0.11	0.356	1.006	1.396	0.50
P21	LTE Band 41	QPSK20M	Rear Face	40620	1	50	62.9	23.50	22.05	0.06	0.598	1.006	1.396	**0.84**
	LTE Band 41	QPSK20M	Left Side	40620	1	50	62.9	23.50	22.05	-0.13	0.471	1.006	1.396	0.66
	LTE Band 41	QPSK20M	Right Side	40620	1	50	62.9	23.50	22.05	0.09	0.097	1.006	1.396	0.14
	LTE Band 41	QPSK20M	Top Side	40620	1	50	62.9	23.50	22.05	0.06	0.013	1.006	1.396	0.02
	LTE Band 41	QPSK20M	Front Face	40620	50	25	62.9	22.50	21.00	0.1	0.306	1.006	1.413	0.43
	LTE Band 41	QPSK20M	Rear Face	40620	50	25	62.9	22.50	21.00	-0.02	0.510	1.006	1.413	0.72
	LTE Band 41	QPSK20M	Left Side	40620	50	25	62.9	22.50	21.00	0.01	0.408	1.006	1.413	0.58
	LTE Band 41	QPSK20M	Right Side	40620	50	25	62.9	22.50	21.00	0.15	0.140	1.006	1.413	0.20
	LTE Band 41	QPSK20M	Top Side	40620	50	25	62.9	22.50	21.00	-0.08	0.012	1.006	1.413	0.02
	LTE Band 66	QPSK20M	Front Face	132572	1	50	-	23.50	22.61	0.07	0.090	1.000	1.227	0.11
P22	LTE Band 66	QPSK20M	Rear Face	132572	1	50	-	23.50	22.61	0.04	0.239	1.000	1.227	**0.29**
	LTE Band 66	QPSK20M	Left Side	132572	1	50	-	23.50	22.61	0.07	0.200	1.000	1.227	0.25
	LTE Band 66	QPSK20M	Right Side	132572	1	50	-	23.50	22.61	0.00	0.000	1.000	1.227	0.00
	LTE Band 66	QPSK20M	Top Side	132572	1	50	-	23.50	22.61	0.00	0.000	1.000	1.227	0.00
	LTE Band 66	QPSK20M	Front Face	132572	50	25	-	22.50	21.69	0.15	0.075	1.000	1.205	0.09
	LTE Band 66	QPSK20M	Rear Face	132572	50	25	-	22.50	21.69	0.06	0.189	1.000	1.205	0.23
	LTE Band 66	QPSK20M	Left Side	132572	50	25	-	22.50	21.69	-0.13	0.202	1.000	1.205	0.24
	LTE Band 66	QPSK20M	Right Side	132572	50	25	-	22.50	21.69	0.00	0.000	1.000	1.205	0.00
	LTE Band 66	QPSK20M	Top Side	132572	50	25	-	22.50	21.69	0.00	0.000	1.000	1.205	0.00
	WLAN 2.4G	802.11b 1Mbps	Front Face	1	-	-	100	17.00	16.01	0.11	0.151	1.000	1.256	0.19
	WLAN 2.4G	802.11b 1Mbps	Rear Face	1	-	-	100	17.00	16.01	0.15	0.099	1.000	1.256	0.12
	WLAN 2.4G	802.11b 1Mbps	Left Side	1	-	-	100	17.00	16.01	0.11	0.087	1.000	1.256	0.11
	WLAN 2.4G	802.11b 1Mbps	Right Side	1	-	-	100	17.00	16.01	-0.02	0.041	1.000	1.256	0.05
P23	WLAN 2.4G	802.11b 1Mbps	Top Side	1	-	-	100	17.00	16.01	0.01	0.169	1.000	1.256	**0.21**
	BT	GFSK	Front Face	78	-	-	76.80	10.00	8.70	-0.12	0.022	1.302	1.349	0.04
	BT	GFSK	Rear Face	78	-	-	76.80	10.00	8.70	0.03	0.014	1.302	1.349	0.02
	BT	GFSK	Left Side	78	-	-	76.80	10.00	8.70	-0.07	0.000	1.302	1.349	0.00
	BT	GFSK	Right Side	78	-	-	76.80	10.00	8.70	0.00	0.000	1.302	1.349	0.00
P24	BT	GFSK	Top Side	78	-	-	76.80	10.00	8.70	-0.02	0.031	1.302	1.349	**0.05**

4.6.4 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.

SAR repeated measurement procedure:

1. When the highest measured SAR is < 0.80 W/kg, repeated measurement is not required.
2. When the highest measured SAR is >= 0.80 W/kg, repeat that measurement once.
3. If the ratio of largest to smallest SAR for the original and first repeated measurements is > 1.20, or when the original or repeated measurement is >= 1.45 W/kg, perform a second repeated measurement.
4. If the ratio of largest to smallest SAR for the original, first and second repeated measurements is > 1.20, and the original, first or second repeated measurement is >= 1.5 W/kg, perform a third repeated measurement.

Band	Test Position	Ch.	Original Measured SAR-1g (W/kg)	1st Repeated SAR-1g (W/kg)	L/S Ratio	2nd Repeated SAR-1g (W/kg)	L/S Ratio	3rd Repeated SAR-1g (W/kg)	L/S Ratio
LTE 7	Rear Face	21350	1.12	1.08	1.04	N/A	N/A	N/A	N/A

Test Engineer：Renjie Liu, and Zhiwei Zhang

5. Calibration of Test Equipment

Equipment	Manufacturer	Model	SN	Cal. Data	Due Data
System Validation Dipole	SPEAG	D750V3	1200	Nov. 07, 2024	Nov. 06, 2025
System Validation Dipole	SPEAG	D835V2	4d265	Nov. 04, 2024	Nov. 03, 2025
System Validation Dipole	SPEAG	D900V2	1d111	Nov. 06, 2024	Nov. 05, 2025
System Validation Dipole	SPEAG	D1750V2	1176	Nov. 06, 2024	Nov. 05, 2025
System Validation Dipole	SPEAG	D1950V3	1229	Nov. 07, 2024	Nov. 06, 2025
System Validation Dipole	SPEAG	D2300V2	1110	Nov. 07, 2024	Nov. 06, 2025
System Validation Dipole	SPEAG	D2450V2	1048	Nov. 06, 2024	Nov. 05, 2025
System Validation Dipole	SPEAG	D2550V2	1022	Sep. 22, 2022	Sep. 21, 2025
Data Acquisition Electronics	SPEAG	DAE4	1389	Nov. 11, 2024	Nov. 10, 2025
Dosimetric E-Field Probe	SPEAG	EX3DV4	3873	Sep. 29, 2024	Sep. 28, 2025
Radio Communication Analyzer	ANRITSU	MT8821C	6272459679	Jul. 02, 2024	Jul. 01, 2026
Dielectric Probe Kit	SPEAG	DAK-3.5	1119	Feb. 24, 2025	Feb. 23, 2026
Power Meter	Rohde&Schwarz	NRX	1069082	Feb. 13, 2025	Feb. 11, 2027
Power Sensor	Rohde&Schwarz	NRP6A	101905	Feb. 13, 2025	Feb. 11, 2027
Power Sensor	Rohde&Schwarz	NRP6A	101904	Feb. 13, 2025	Feb. 11, 2027
ESG Analog Signal Generator	Rohde&Schwarz	SMB100B	102507	Mar. 28, 2024	Mar. 26, 2026
Coupler	Woken	0110A056020-10	COM27RW1A3	May. 09, 2024	May. 08, 2026
Temp.&Humi.Recorder	Deli	/	SZ-RF-002	Apr. 02, 2024	Mar. 31, 2026

Note:

1. 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 ＜ -20dB, within 20% of prior calibration, the impedance is with 5ohm of prior calibration.

6. Measurement Uncertainty

DASY Uncertainty Budget According to IEEE 1528-2013 and IEC 62209-1/2016 (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	6.05	N	1	1	1	6.1	6.1	∞
Axial Isotropy	4.7	R	1.732	0.7	0.7	1.9	1.9	∞
Hemispherical Isotropy	9.6	R	1.732	0.7	0.7	3.9	3.9	∞
Boundary Effects	2.0	R	1.732	1	1	1.2	1.2	∞
Linearity	4.7	R	1.732	1	1	2.7	2.7	∞
System Detection Limits	1.0	R	1.732	1	1	0.6	0.6	∞
Modulation Response	3.2	R	1.732	1	1	1.8	1.8	∞
Readout Electronics	0.3	N	1	1	1	0.3	0.3	∞
Response Time	0.0	R	1.732	1	1	0.0	0.0	∞
Integration Time	2.6	R	1.732	1	1	1.5	1.5	∞
RF Ambient Noise	3.0	R	1.732	1	1	1.7	1.7	∞
RF Ambient Reflections	3.0	R	1.732	1	1	1.7	1.7	∞
Probe Positioner	0.4	R	1.732	1	1	0.2	0.2	∞
Probe Positioning	6.7	R	1.732	1	1	3.9	3.9	∞
Max. SAR Eval.	4.0	R	1.732	1	1	2.3	2.3	∞
Test Sample Related								
Device Positioning	4.0	N	1	1	1	4.0	4.0	35
Device Holder	4.9	N	1	1	1	4.9	4.9	12
Power Drift	5.0	R	1.732	1	1	2.9	2.9	∞
Power Scaling	0.0	R	1.732	1	1	0.0	0.0	∞
Phantom and Setup								
Phantom Uncertainty	6.6	R	1.732	1	1	3.8	3.8	∞
SAR correction	0.0	R	1.732	1	0.84	0.0	0.0	∞
Liquid Conductivity Repeatability	0.14	N	1	0.78	0.71	0.1	0.1	5
Liquid Conductivity (target)	10.0	R	1.732	0.78	0.71	4.5	4.1	∞
Liquid Conductivity (mea.)	2.5	R	1.732	0.78	0.71	1.1	1.0	∞
Temp. unc. - Conductivity	2.61	R	1.732	0.78	0.71	1.2	1.1	∞
Liquid Permittivity Repeatability	0.03	N	1	0.23	0.26	0.0	0.0	5
Liquid Permittivity (target)	10.0	R	1.732	0.23	0.26	1.3	1.5	∞
Liquid Permittivity (mea.)	2.5	R	1.732	0.23	0.26	0.3	0.4	∞
Temp. unc. - Permittivity	1.78	R	1.732	0.23	0.26	0.2	0.3	∞
Combined Std. Uncertainty						13.6%	13.5%	578
Coverage Factor for 95 %						K=2	K=2	
Expanded STD Uncertainty						27.2%	26.9%	

Uncertainty budget for frequency range 300 MHz to 6 GHz

DASY Uncertainty Budget According to IEC 62209-2/2019 (30 MHz - 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	6.65	N	1	1	1	6.7	6.7	∞
Axial Isotropy	4.7	R	1.732	0.7	0.7	1.9	1.9	∞
Hemispherical Isotropy	9.6	R	1.732	0.7	0.7	3.9	3.9	∞
Boundary Effects	2.0	R	1.732	1	1	1.2	1.2	∞
Linearity	4.7	R	1.732	1	1	2.7	2.7	∞
System Detection Limits	1.0	R	1.732	1	1	0.6	0.6	∞
Modulation Response	3.2	R	1.732	1	1	1.8	1.8	∞
Readout Electronics	0.3	N	1	1	1	0.3	0.3	∞
Response Time	0.0	R	1.732	1	1	0.0	0.0	∞
Integration Time	2.6	R	1.732	1	1	1.5	1.5	∞
RF Ambient Noise	3.0	R	1.732	1	1	1.7	1.7	∞
RF Ambient Reflections	3.0	R	1.732	1	1	1.7	1.7	∞
Probe Positioner	0.4	R	1.732	1	1	0.2	0.2	∞
Probe Positioning	6.7	R	1.732	1	1	3.9	3.9	∞
Max. SAR Eval.	4.0	R	1.732	1	1	2.3	2.3	∞
Test Sample Related								
Device Positioning	4.3	N	1	1	1	4.3	4.3	35
Device Holder	4.9	N	1	1	1	4.9	4.9	12
Power Drift	5.0	R	1.732	1	1	2.9	2.9	∞
Power Scaling	0.0	R	1.732	1	1	0.0	0.0	∞
Phantom and Setup								
Phantom Uncertainty	6.6	R	1.732	1	1	3.8	3.8	∞
SAR correction	0.0	R	1.732	1	0.84	0.0	0.0	∞
Liquid Conductivity Repeatability	0.16	N	1	0.78	0.71	0.1	0.1	5
Liquid Conductivity (target)	10.0	R	1.732	0.78	0.71	4.5	4.1	∞
Liquid Conductivity (mea.)	2.5	R	1.732	0.78	0.71	1.1	1.0	∞
Temp. unc. - Conductivity	3.64	R	1.732	0.78	0.71	1.6	1.5	∞
Liquid Permittivity Repeatability	0.08	N	1	0.23	0.26	0.0	0.0	5
Liquid Permittivity (target)	10.0	R	1.732	0.23	0.26	1.3	1.5	∞
Liquid Permittivity (mea.)	2.5	R	1.732	0.23	0.26	0.3	0.4	∞
Temp. unc. - Permittivity	1.78	R	1.732	0.23	0.26	0.2	0.3	∞
Combined Std. Uncertainty						14.0%	13.9%	624
Coverage Factor for 95 %						K=2	K=2	
Expanded STD Uncertainty						28.0%	27.7%	

Uncertainty budget for frequency range 30 MHz to 6 GHz

7. Information on the Testing Laboratories

We, Huarui Saiwei (Suzhou) Technology Co., LTD., were founded in 2020 to provide our best service in EMC, Radio, Telecom and Safety consultation.

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

Add: Tower N, Innovation Center, 88 Zuyi Road, High-tech District, Suzhou City, Anhui Province
Tel: +86 (0557) 368 1008

The road map of all our labs can be found in our web site also
Web: http://www.7Layers.com

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Appendix A. SAR Plots of System Verification

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

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P01 Dipole 750 MHz D750V3_250530

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	9.87	0.880	42.9

Hardware Setup

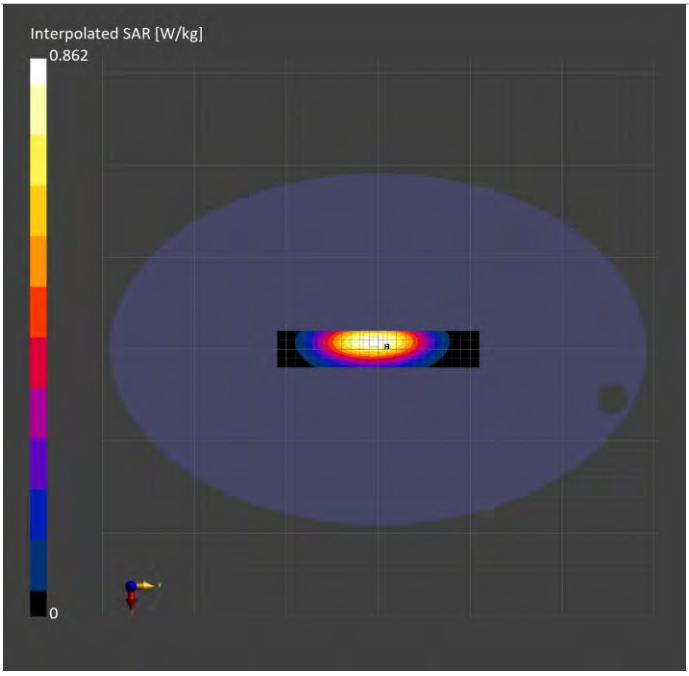
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2199	HSL750-2025-05-30	EX3DV4-SN3873, 2024-09-29	DAE4 Sn1389, 2024-11-11

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	2025-05-30	2025-05-30
psSAR1g [W/kg]	0.751	0.820
psSAR10g [W/kg]	0.545	0.551
Power Drift [dB]	-0.20	-0.19
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		87.2
Dist 3dB Peak [mm]		> 15.0



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P02 Dipole 835 MHz D835V2_250531

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	9.47	0.905	43.5

Hardware Setup

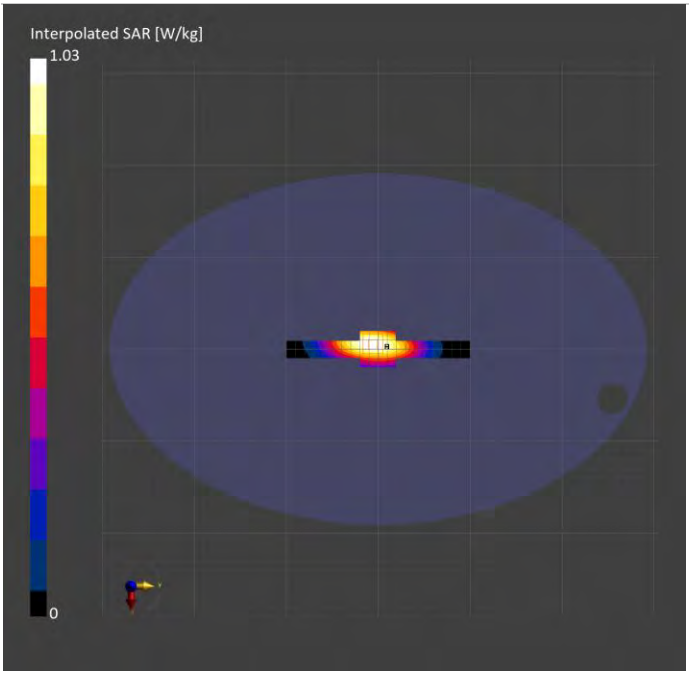
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2199	HSL835-2025-05-31	EX3DV4-SN3873, 2024-09-29	DAE4 Sn1389, 2024-11-11

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	2025-05-31	2025-05-31
psSAR1g [W/kg]	0.898	0.954
psSAR10g [W/kg]	0.598	0.611
Power Drift [dB]	-0.23	-0.10
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		86.4
Dist 3dB Peak [mm]		18.4



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P03 Dipole 900 MHz D900V2_250606

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, 0-	900.000, 50	9.42	0.935	42.7

Hardware Setup

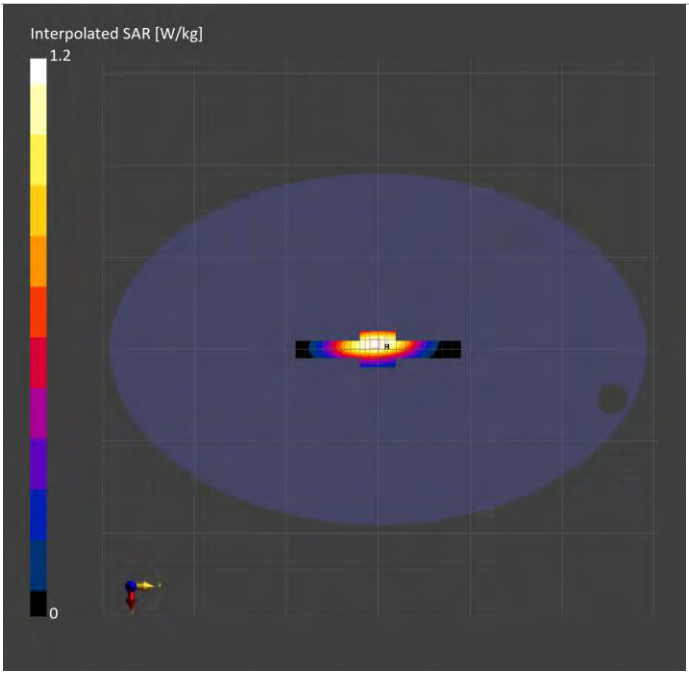
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2199	HSL900-2025-06-06	EX3DV4-SN3873, 2024-09-29	DAE4 Sn1389, 2024-11-11

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	2025-06-06	2025-06-06
psSAR1g [W/kg]	1.03	1.04
psSAR10g [W/kg]	0.668	0.677
Power Drift [dB]	-0.01	-0.10
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		84.3
Dist 3dB Peak [mm]		13.3



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P04 Dipole 1750 MHz D1750V2_250601

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	8.31	1.36	39.6

Hardware Setup

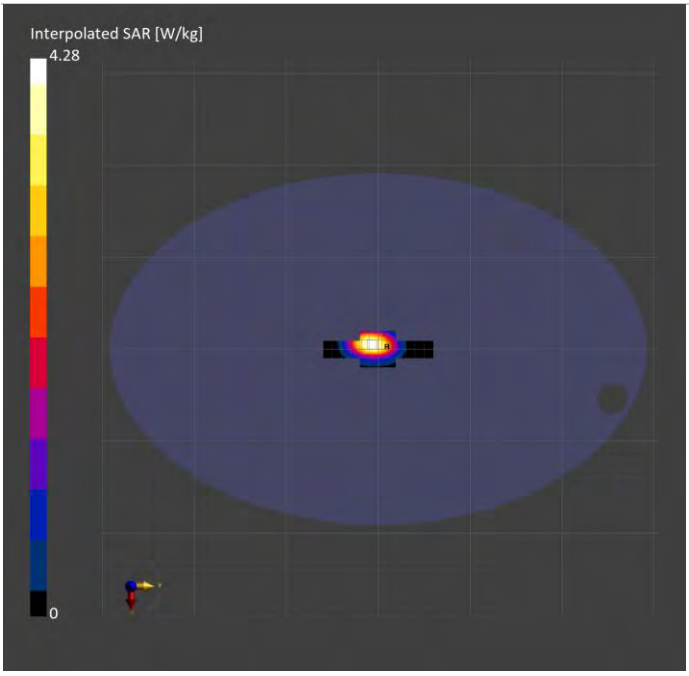
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2199	HSL1750-2025-06-01	EX3DV4-SN3873, 2024-09-29	DAE4 Sn1389, 2024-11-11

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	2025-06-01	2025-06-01
psSAR1g [W/kg]	3.52	3.63
psSAR10g [W/kg]	1.96	1.92
Power Drift [dB]	-0.18	-0.11
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		82.9
Dist 3dB Peak [mm]		10.8



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P05 Dipole 1950 MHz D1950V3_250603

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	7.97	1.44	39.6

Hardware Setup

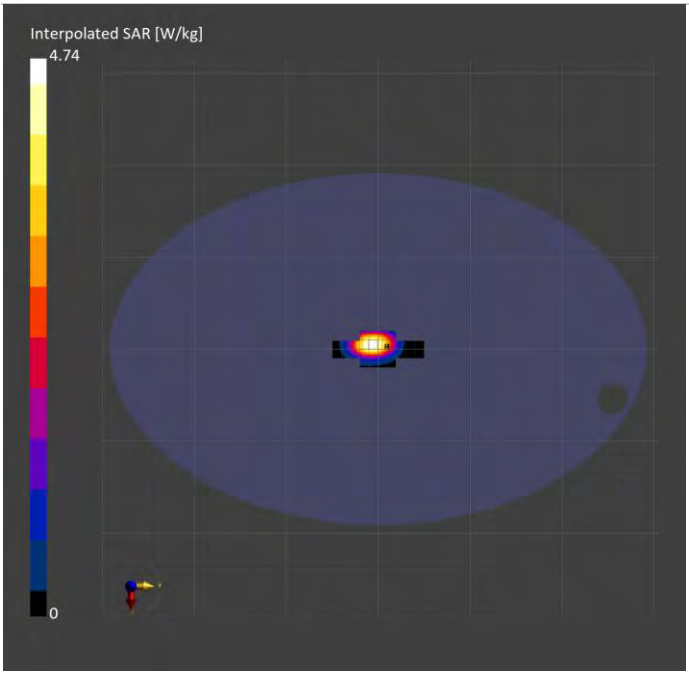
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2199	HSL1950-2025-06-03	EX3DV4-SN3873, 2024-09-29	DAE4 Sn1389, 2024-11-11

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	2025-06-03	2025-06-03
psSAR1g [W/kg]	3.85	3.98
psSAR10g [W/kg]	2.09	2.06
Power Drift [dB]	-0.16	-0.11
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		83.5
Dist 3dB Peak [mm]		9.9



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P06 Dipole 1950 MHz D1950V3_250604

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	7.97	1.43	38.7

Hardware Setup

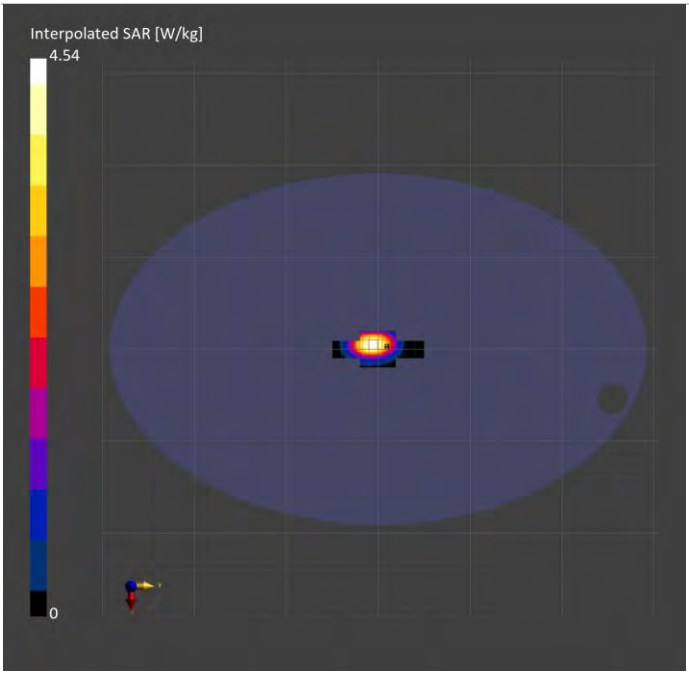
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2199	HSL1950-2025-06-04	EX3DV4-SN3873, 2024-09-29	DAE4 Sn1389, 2024-11-11

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	2025-06-04	2025-06-04
psSAR1g [W/kg]	3.89	3.92
psSAR10g [W/kg]	2.00	2.01
Power Drift [dB]	-0.17	-0.13
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		83.3
Dist 3dB Peak [mm]		9.9



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P07 Dipole 2300 MHz D2300V2_250601

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Dipole 2300 MHz D2300V2,	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	D2300	CW, -	2300.000, 50	7.71	1.68	40.2

Hardware Setup

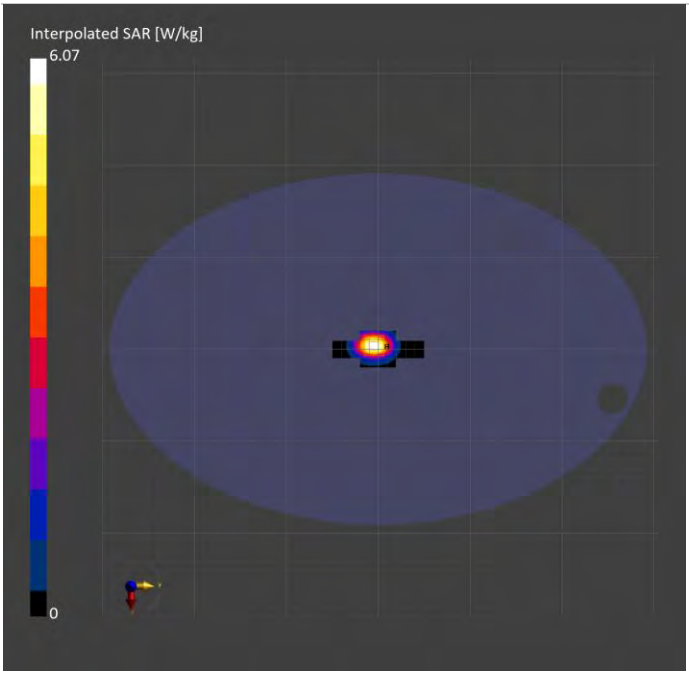
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2199	HSL2300-2025-06-01	EX3DV4-SN3873, 2024-09-29	DAE4 Sn1389, 2024-11-11

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	2025-06-01	2025-06-01
psSAR1g [W/kg]	4.83	4.97
psSAR10g [W/kg]	2.40	2.36
Power Drift [dB]	-0.16	-0.06
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		80.7
Dist 3dB Peak [mm]		9.1



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P08 Dipole 2450 MHz D2450V2_250602

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	7.46	1.74	37.8

Hardware Setup

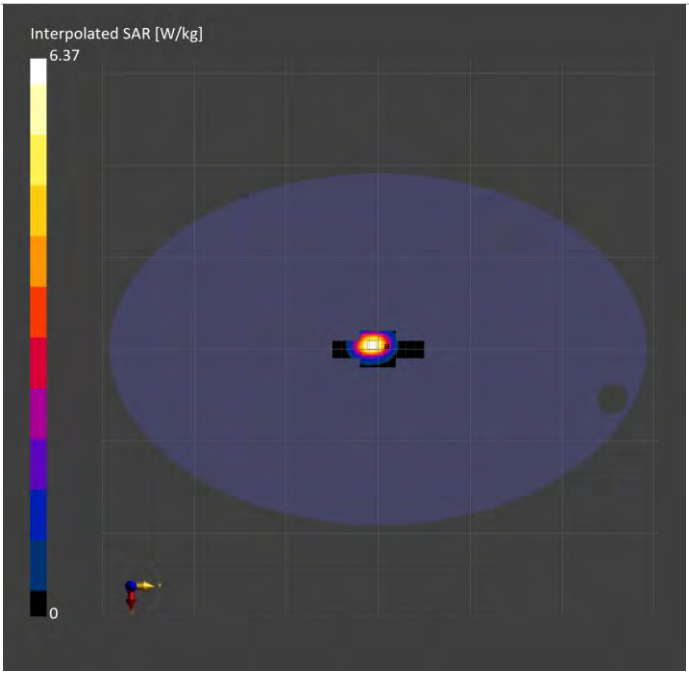
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2199	HSL2450-2025-06-02	EX3DV4-SN3873, 2024-09-29	DAE4 Sn1389, 2024-11-11

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	2025-06-02	2025-06-02
psSAR1g [W/kg]	5.03	5.22
psSAR10g [W/kg]	2.47	2.44
Power Drift [dB]	-0.15	-0.08
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		81.0
Dist 3dB Peak [mm]		9.1



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P09 Dipole 2550 MHz D2550V2_250605

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	D2550V2	CW, -	2550.000, 50	7.31	1.88	39.1

Hardware Setup

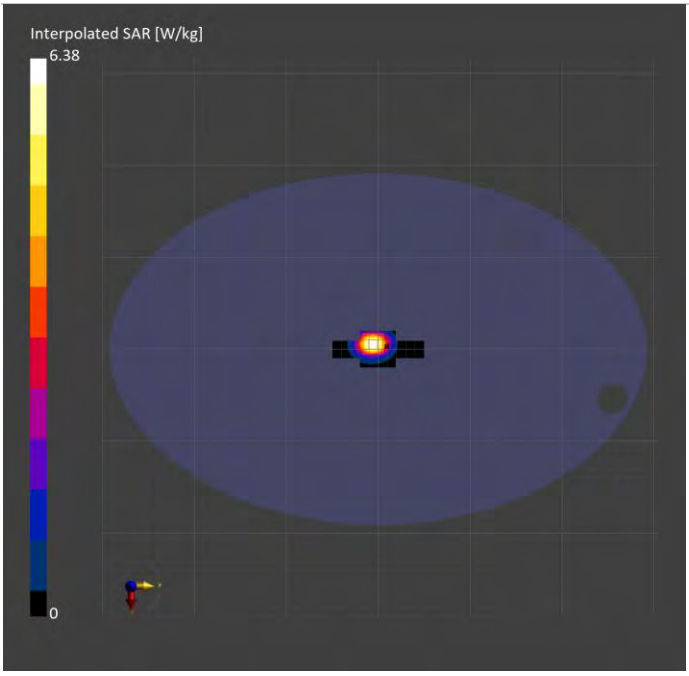
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2199	HSL2550-2025-06-05	EX3DV4-SN3873, 2024-09-29	DAE4 Sn1389, 2024-11-11

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	2025-06-05	2025-06-05
psSAR1g [W/kg]	4.99	5.27
psSAR10g [W/kg]	2.40	2.39
Power Drift [dB]	-0.15	-0.11
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		79.1
Dist 3dB Peak [mm]		9.0



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.

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P01 WCDMA II_RMC12.2K_Front Face_1cm_Ch9400

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device,	110.0 x 68.0 x 33.0		-

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	Band 2	WCDMA, -	1880.000, 9400	7.97	1.40	39.6

Hardware Setup

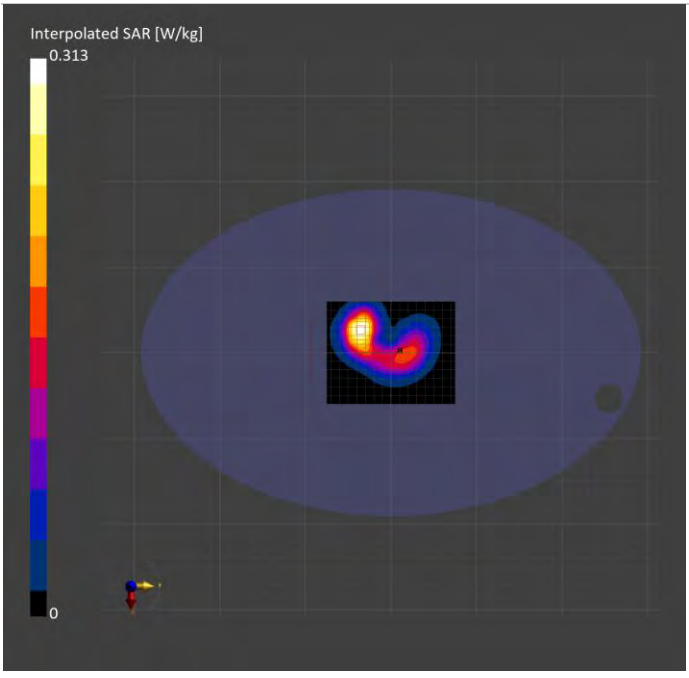
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2199	HSL1950-2025-06-04	EX3DV4-SN3873, 2024-09-29	DAE4 Sn1389, 2024-11-11

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 150.0	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	2025-06-04	2025-06-04
psSAR1g [W/kg]	0.263	0.216
psSAR10g [W/kg]	0.151	0.073
Power Drift [dB]	0.08	0.00
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		82.9
Dist 3dB Peak [mm]		6.9



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P02 WCDMA IV_RMC12.2K_Front Face_1cm_Ch1513

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device,	110.0 x 68.0 x 33.0		-

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	Band 4	WCDMA, -	1752.600, 1513	8.31	1.36	39.6

Hardware Setup

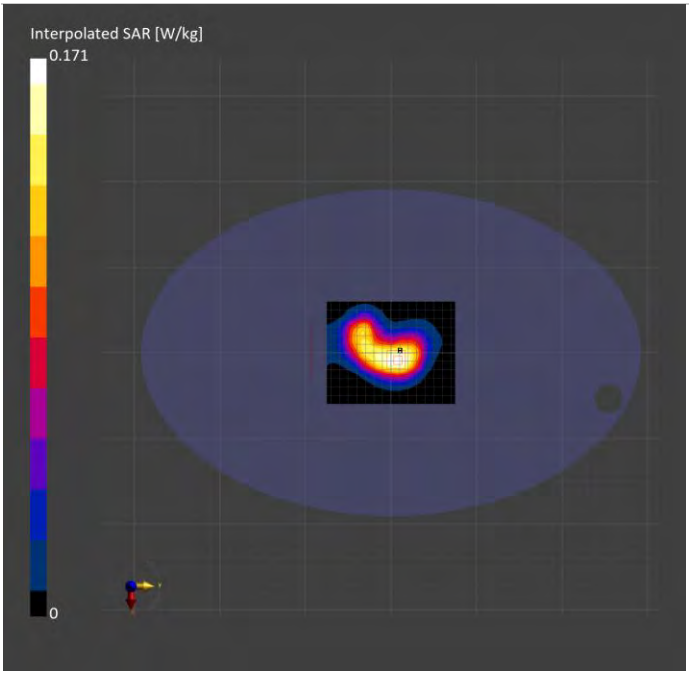
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2199	HSL1750-2025-06-01	EX3DV4-SN3873, 2024-09-29	DAE4 Sn1389, 2024-11-11

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 150.0	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	2025-06-01	2025-06-01
psSAR1g [W/kg]	0.144	0.154
psSAR10g [W/kg]	0.089	0.106
Power Drift [dB]	0.07	0.12
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		88.7
Dist 3dB Peak [mm]		17.9



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P03 WCDMA V_RMC12.2K_Front Face_1cm_Ch4233

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device,	110.0 x 68.0 x 33.0		-

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	Band 5	WCDMA, -	846.600, 4233	9.47	0.909	43.4

Hardware Setup

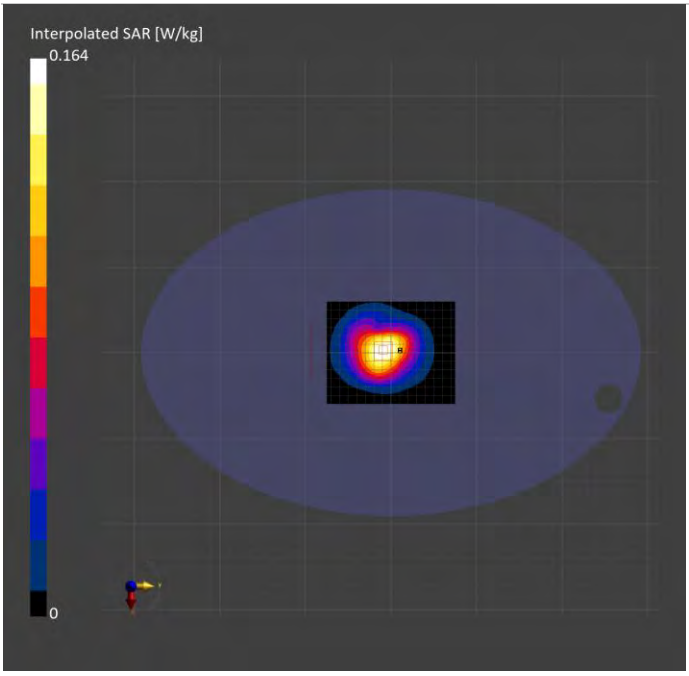
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2199	HSL835-2025-05-31	EX3DV4-SN3873, 2024-09-29	DAE4 Sn1389, 2024-11-11

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 150.0	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	2025-05-31	2025-05-31
psSAR1g [W/kg]	0.144	0.153
psSAR10g [W/kg]	0.098	0.108
Power Drift [dB]	-0.01	0.00
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		83.4
Dist 3dB Peak [mm]		> 15.0



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P04 LTE B2_QPSK20M_Rear Face_1cm_Ch18700_1RB_OS50

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device,	110.0 x 68.0 x 33.0		-

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, -	1860.000, 18700	7.97	1.39	39.7

Hardware Setup

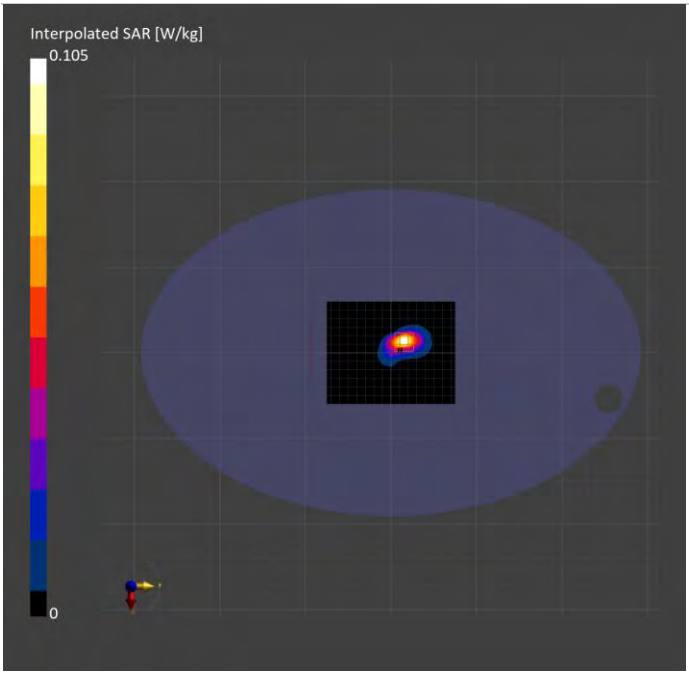
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2199	HSL1950-2025-06-04	EX3DV4-SN3873, 2024-09-29	DAE4 Sn1389, 2024-11-11

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 150.0	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	2025-06-04	2025-06-04
psSAR1g [W/kg]	0.080	0.075
psSAR10g [W/kg]	0.038	0.038
Power Drift [dB]	-0.43	0.00
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		80.0
Dist 3dB Peak [mm]		9.6



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P05 LTE B5_QPSK10M_Front Face_1cm_Ch20450_1RB_OS24

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device,	110.0 x 68.0 x 33.0		-

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	Band 5	LTE-FDD, -	829.000, 20450	9.47	0.903	43.5

Hardware Setup

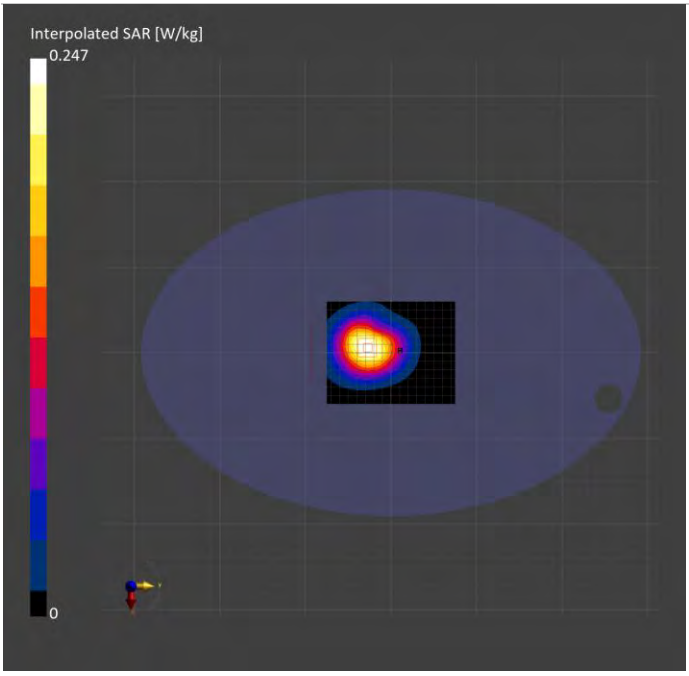
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2199	HSL835-2025-05-31	EX3DV4-SN3873, 2024-09-29	DAE4 Sn1389, 2024-11-11

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 150.0	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	2025-05-31	2025-05-31
psSAR1g [W/kg]	0.217	0.222
psSAR10g [W/kg]	0.148	0.154
Power Drift [dB]	-0.96	-0.16
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		83.6
Dist 3dB Peak [mm]		> 15.0



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P06 LTE B7_QPSK20M_Rear Face_1cm_Ch21350_1RB_OS50

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device,	110.0 x 68.0 x 33.0		-

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 7	LTE-FDD, -	2560.000, 21350	7.31	1.89	39.1

Hardware Setup

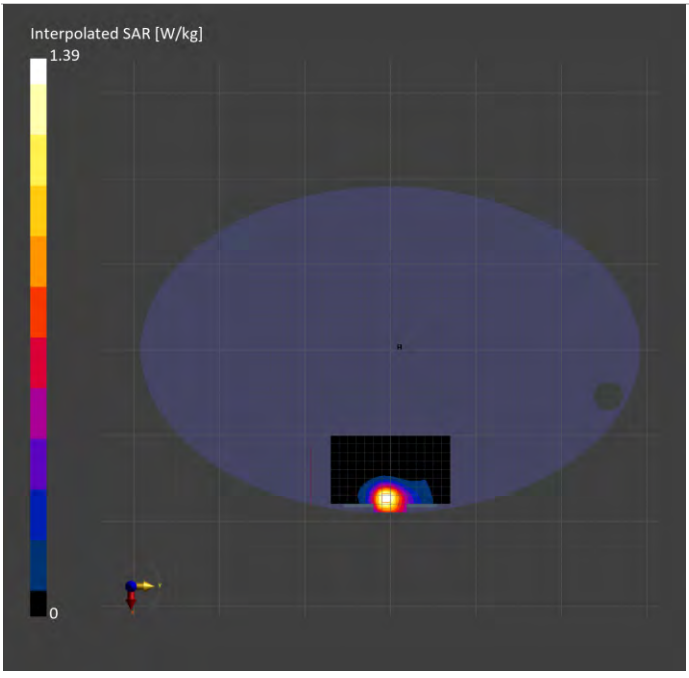
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2199	HSL2550-2025-06-05	EX3DV4-SN3873, 2024-09-29	DAE4 Sn1389, 2024-11-11

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	100.0 x 140.0	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	2025-06-05	2025-06-05
psSAR1g [W/kg]	1.11	1.12
psSAR10g [W/kg]	0.568	0.582
Power Drift [dB]	-0.05	-0.03
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		81.6
Dist 3dB Peak [mm]		13.2



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P07 LTE B12_QPSK10M_Rear Face_1cm_Ch23060_1RB_OS24

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device,	110.0 x 68.0 x 33.0		-

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, -	704.000, 23060	9.87	0.865	43.0

Hardware Setup

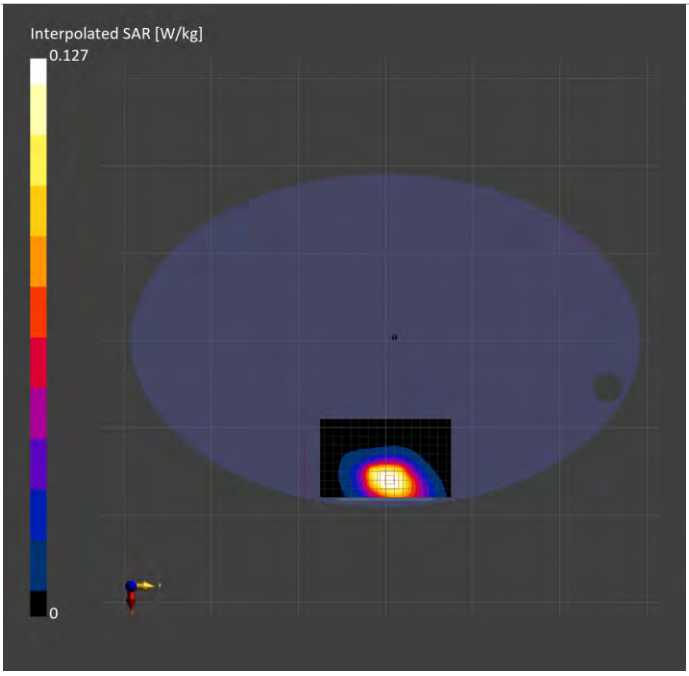
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2199	HSL750-2025-05-30	EX3DV4-SN3873, 2024-09-29	DAE4 Sn1389, 2024-11-11

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 150.0	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	2025-05-30	2025-05-30
psSAR1g [W/kg]	0.083	0.077
psSAR10g [W/kg]	0.057	0.052
Power Drift [dB]	-0.02	-0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		87.9
Dist 3dB Peak [mm]		19.0



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P08 LTE B13_QPSK10M_Rear Face_1cm_Ch23230_1RB_OS24

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device,	110.0 x 68.0 x 33.0		-

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 13	LTE-FDD, -	782.000, 23230	9.87	0.889	42.8

Hardware Setup

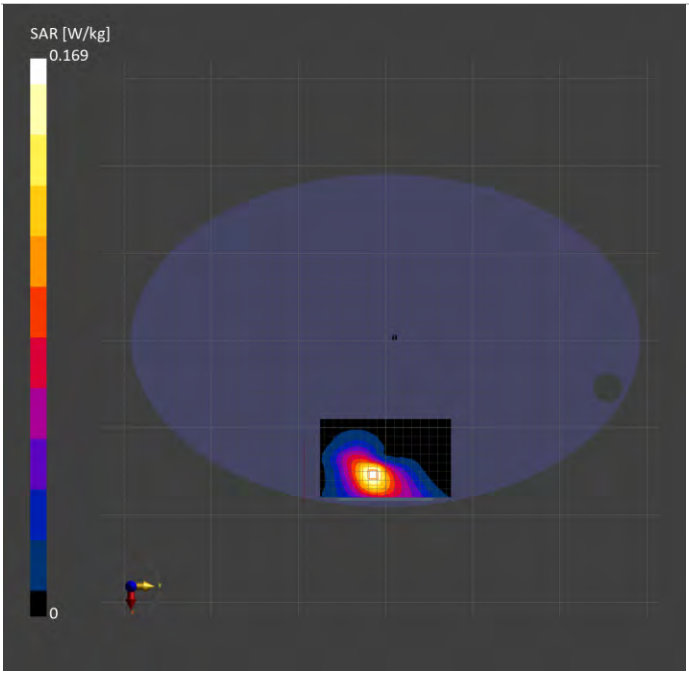
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2199	HSL750-2025-05-30	EX3DV4-SN3873, 2024-09-29	DAE4 Sn1389, 2024-11-11

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 150.0	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	2025-05-30	2025-05-30
psSAR1g [W/kg]	0.153	0.141
psSAR10g [W/kg]	0.077	0.060
Power Drift [dB]	-0.19	-0.06
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		83.9
Dist 3dB Peak [mm]		12.4



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P09 LTE B41_QPSK20M_Rear Face_1cm_Ch40620_1RB_OS50

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device,	110.0 x 68.0 x 33.0		-

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	7.31	1.92	39.0

Hardware Setup

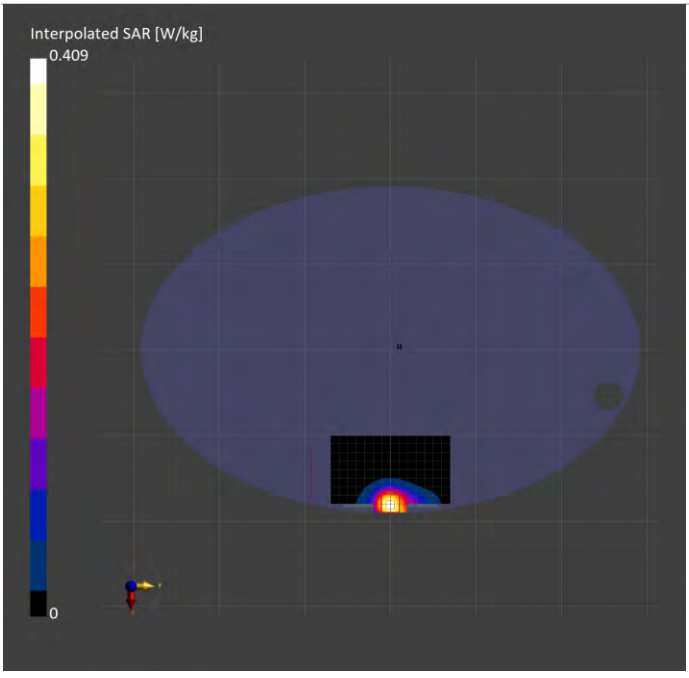
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2199	HSL2550-2025-06-05	EX3DV4-SN3873, 2024-09-29	DAE4 Sn1389, 2024-11-11

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	100.0 x 140.0	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	2025-06-05	2025-06-05
psSAR1g [W/kg]	0.320	0.325
psSAR10g [W/kg]	0.162	0.171
Power Drift [dB]	-0.23	0.06
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		80.7
Dist 3dB Peak [mm]		13.7



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P10 LTE B66_QPSK20M_Rear Face_1cm_Ch132572_1RB_OS50

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device,	110.0 x 68.0 x 33.0		-

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 66	LTE-FDD, -	1770.000, 132572	8.31	1.38	39.6

Hardware Setup

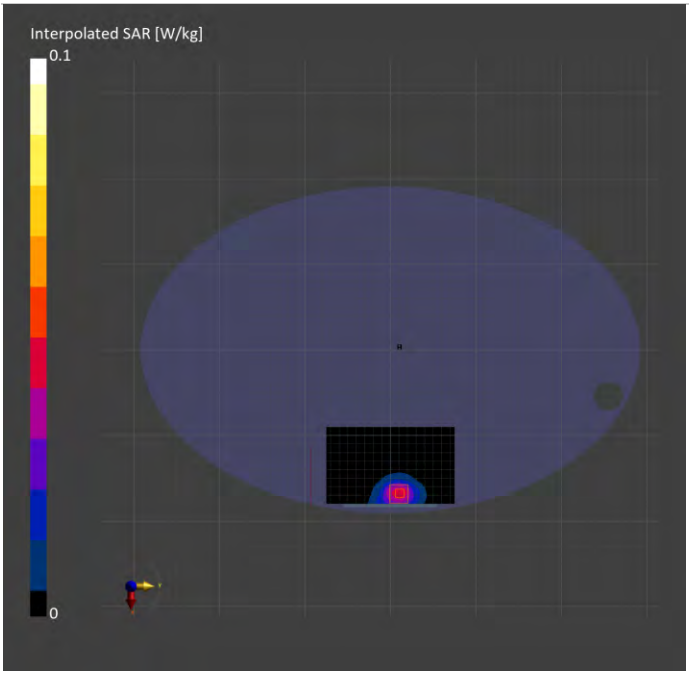
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2199	HSL1750-2025-06-01	EX3DV4-SN3873, 2024-09-29	DAE4 Sn1389, 2024-11-11

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 150.0	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	2025-06-01	2025-06-01
psSAR1g [W/kg]	0.039	0.043
psSAR10g [W/kg]	0.022	0.024
Power Drift [dB]	-0.00	0.03
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		84.3
Dist 3dB Peak [mm]		11.1



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P11 WIFI2.4G_802.11b_Front Face_1cm_Ch1

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device,	110.0 x 68.0 x 33.0		-

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	WLAN 2.4GHz	WLAN, -	2412.000, 1	7.46	1.72	37.9

Hardware Setup

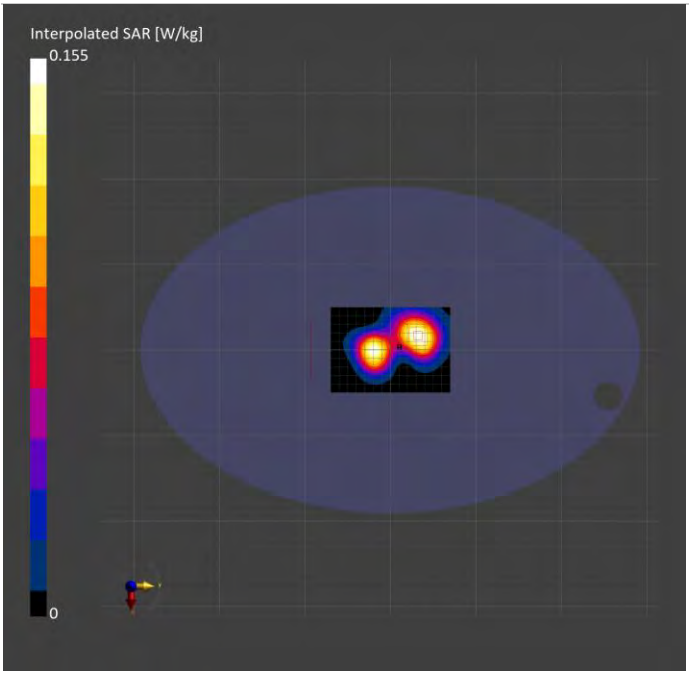
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2199	HSL2450-2025-06-02	EX3DV4-SN3873, 2024-09-29	DAE4 Sn1389, 2024-11-11

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	100.0 x 140.0	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	2025-06-02	2025-06-02
psSAR1g [W/kg]	0.127	0.126
psSAR10g [W/kg]	0.071	0.076
Power Drift [dB]	-0.06	0.02
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		82.6
Dist 3dB Peak [mm]		16.7



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P12 BT_GFSK_Front Face_1cm_Ch78

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device,	110.0 x 68.0 x 33.0		-

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	ISM 2.4 GHz Band	Bluetooth, -	2480.000, 78	7.46	1.77	37.8

Hardware Setup

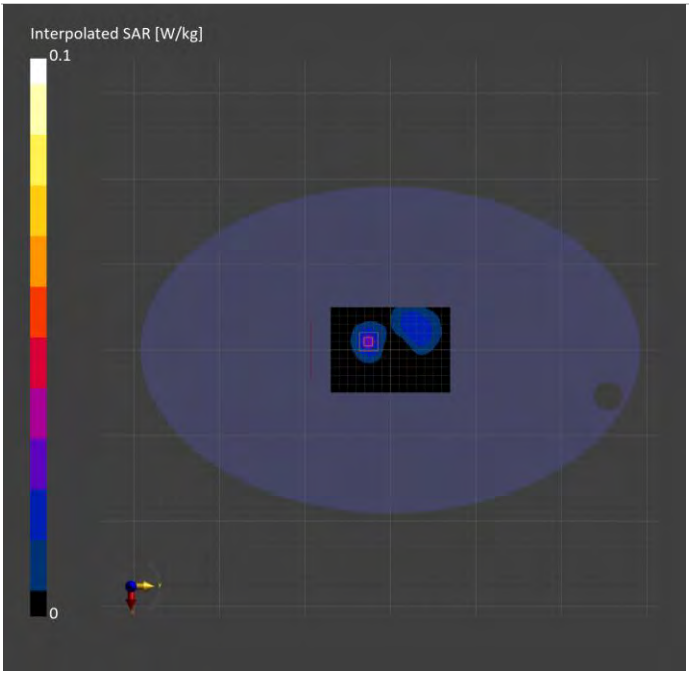
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2199	HSL2450-2025-06-02	EX3DV4-SN3873, 2024-09-29	DAE4 Sn1389, 2024-11-11

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	100.0 x 140.0	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	2025-06-02	2025-06-02
psSAR1g [W/kg]	0.023	0.022
psSAR10g [W/kg]	0.012	0.013
Power Drift [dB]	1.04	0.09
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		87.7
Dist 3dB Peak [mm]		10.9



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P13 WCDMA II_RMC12.2K_Front Face_0cm_Ch9400

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device,	110.0 x 68.0 x 33.0		-

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, 0.00	Band 2	WCDMA, -	1880.000, 9400	7.97	1.40	39.5

Hardware Setup

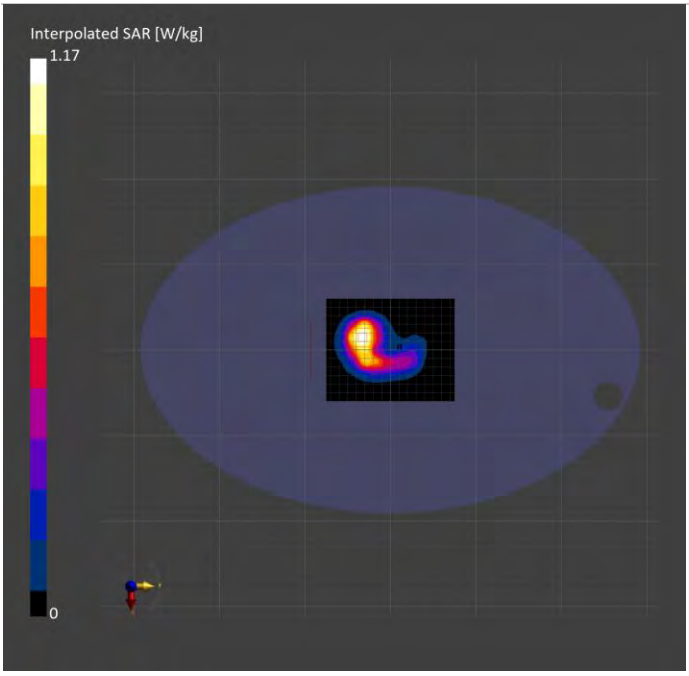
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2199	HSL1950-2025-06-04	EX3DV4-SN3873, 2024-09-29	DAE4 Sn1389, 2024-11-11

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 150.0	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	2025-06-04	2025-06-04
psSAR1g [W/kg]	0.986	1.08
psSAR10g [W/kg]	0.570	0.607
Power Drift [dB]	-0.13	-0.07
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		86.0
Dist 3dB Peak [mm]		10.8



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P14 WCDMA IV_RMC12.2k_Front Face_0cm_Ch1513

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device,	110.0 x 68.0 x 33.0		-

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, 0.00	Band 4	WCDMA, -	1752.600, 1513	8.31	1.37	39.6

Hardware Setup

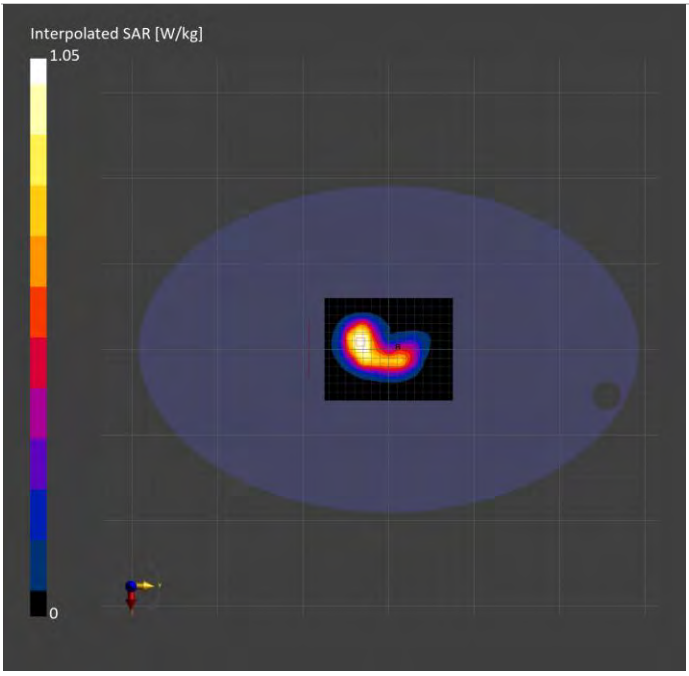
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2199	HSL1750-2025-06-01	EX3DV4-SN3873, 2024-09-29	DAE4 Sn1389, 2024-11-11

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 150.0	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	2025-06-01	2025-06-01
psSAR1g [W/kg]	0.884	0.958
psSAR10g [W/kg]	0.528	0.598
Power Drift [dB]	0.00	-0.02
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		86.8
Dist 3dB Peak [mm]		15.6



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P15 WCDMA V_RMC12.2K_Rear Face_0cm_Ch4233

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device,	110.0 x 68.0 x 33.0		-

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, 0.00	Band 5	WCDMA, -	846.600, 4233	9.47	0.909	43.4

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2199	HSL835-2025-05-31	EX3DV4-SN3873, 2024-09-29	DAE4 Sn1389, 2024-11-11

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 150.0	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	2025-05-31	2025-05-31
psSAR1g [W/kg]	0.508	0.602
psSAR10g [W/kg]	0.331	0.343
Power Drift [dB]	0.01	0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		71.2
Dist 3dB Peak [mm]		7.6