TEST REPORT

Applicant:	Janam Technologies LLC
Address:	999 South Oyster Bay Rd Suite 409 Bethpage, NY 11714
Equipment Type:	Mobile Computer
Model Name:	XR2
Brand Name:	Janam
FCC ID:	UTWXR2WA
Test Standard:	FCC 47 CFR Part 2.1093 (refer to section 3.1)
Maximum SAR:	Head (1 g@0mm): 0.67 W/kg Body-worn (1 g@10mm): 0.90 W/kg Hotspot (1 g@10mm): 0.90 W/kg Extremity (10 g@0mm): 1.98 W/kg
Sample Arrival Date:	Jan. 16, 2024
Test Date:	Feb. 15, 2024 - Feb. 27, 2024
Date of Issue:	Apr. 11, 2024

ISSUED BY:

Shenzhen BALUN Technology Co., Ltd.

Tested by: Xiong Lining

Checked by: Xu Rui

Approved by: Tolan Tu

(Testing Director)

Revision History

Version	Issue Date	Revisions Content
Rev. 01	Apr. 11, 2024	Initial Issue

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1 GENERAL INFORMATION

1.1 Test Laboratory

Name	Shenzhen BALUN Technology Co., Ltd.
Address	Block B, 1/F, Baisha Science and Technology Park, Shahe Xi Road, Nanshan District, Shenzhen, Guangdong Province, P. R. China
Phone Number	+86 755 6685 0100

1.2 Test Location

Name	Shenzhen BALUN Technology Co., Ltd.
Location	☑ Block B, 1/F, Baisha Science and Technology Park, Shahe Xi Road, Nanshan District, Shenzhen, Guangdong Province, P. R. China
	☐ 1/F, Building B, Ganghongji High-tech Intelligent Industrial Park, No. 1008, Songbai Road, Yangguang Community, Xili Sub-district, Nanshan District, Shenzhen, Guangdong Province, P. R. China
Accreditation Certificate	The laboratory is a testing organization accredited by FCC as a accredited testing laboratory. The designation number is CN1196.

1.3 Test Environment Condition

Ambient Temperature	18℃ to 25℃
Ambient Relative Humidity	30% to 70%

2 PRODUCT INFORMATION

2.1 Applicant Information

Applicant	Janam Technologies LLC
Address	999 South Oyster Bay Rd Suite 409 Bethpage, NY 11714

2.2 Manufacturer Information

Manufacturer	Janam Technologies LLC
Address	999 South Oyster Bay Rd Suite 409 Bethpage, NY 11714

2.3 General Description for Equipment under Test (EUT)

EUT Name	Mobile Computer
Model Name Under Test	XR2
Series Model Name	N/A
Description of Model name differentiation	N/A
Hardware Version	QDC510
Software Version	20.01A1-240119
Dimensions (Approx.)	N/A
Weight (Approx.)	N/A

2.4 Ancillary Equipment

Ancillary Equipment 1	Battery	
	Brand Name	OPPO
	Model No.	BAT-XR2
	Serial No.	N/A
	Capacitance	9000mAh
	Rated Voltage	3.85 V
	Limited Voltage	4.4 V
	Manufacturer	Zhongshan Tianmao Battery Co., Ltd.

2.5 Technical Information

Network and Wireless connectivity	2G Network GSM/GPRS/EDGE 850/1900 MHz 3G Network CDMA 1x Band Class 0 EVDO Rel. 0/Rev. A Band Class 0 WCDMA/HSDPA/HSUPA Band 2/4/5 4G Network FDD LTE Band 2/4/5/7/12/13/17 TDD LTE Band 38/41 Bluetooth (BR+EDR+BLE) 2.4G WIFI 802.11b, 802.11g, 802.11n(HT20/40) 5G WIFI 802.11a, 802.11n(HT20/40), 802.11ac(VHT20/40/80) U-NII-1/2A/2C/3, GPS, GLONASS, BDS, Galileo, RFID
Note: The EUT is a Mobile Computer, which supports dual SIM card under the same transceiver. Each SIM supports GSM, WCDMA and LTE, and both SIM share the same transmitting electro circuit, NV parameters, so only SIM1 was tested in this report.	

The requirement for the following technical information of the EUT was tested in this report:

Operating Mode	GSM; WCDMA; LTE; WLAN; Bluetooth; RFID		
Frequency Range	GSM 850	TX: 824 ~ 849 MHz	RX: 869 ~ 894 MHz
	GSM 1900	TX: 1850 ~ 1910 MHz	RX: 1930 ~ 1990 MHz
	CDMA/ EVDO BC 0	TX: 824.025 ~ 848.985 MHz	RX: 869.025 ~ 893.985 MHz
	WCDMA Band 2	TX: 1850 ~ 1910 MHz	RX: 1930 ~ 1990 MHz
	WCDMA Band 4	TX: 1710 ~ 1755 MHz	RX: 2110 ~ 2155 MHz
	WCDMA Band 5	TX: 824 ~ 849 MHz	RX: 869 ~ 894 MHz
	LTE Band 2	TX: 1850 ~ 1910 MHz	RX: 1930 ~ 1990 MHz
	LTE Band 4	TX: 1710 ~ 1755 MHz	RX: 2110 ~ 2155 MHz
	LTE Band 5	TX: 824 ~ 849 MHz	RX: 869 ~ 894 MHz
	LTE Band 7	TX: 2500 ~ 2570 MHz	RX: 2620 ~ 2690 MHz
	LTE Band 12	TX: 699 ~ 716 MHz	RX: 729 ~ 746 MHz
	LTE Band 13	TX: 777 ~ 787 MHz	RX: 746 ~ 756 MHz
	LTE Band 17	TX: 704 ~ 716 MHz	RX: 7734 ~ 746 MHz
	LTE Band 38	TX: 2570 ~ 2620 MHz	RX: 2570 ~ 2620 MHz
	LTE Band 41	TX: 2555 ~ 2655 MHz	RX: 2555 ~ 2655 MHz
	802.11b/g /n(HT20/HT40)	2412 ~ 2462 MHz	
	802.11 a	5150 ~ 5250 MHz	
		5250 ~ 5350 MHz	
		5470 ~ 5725 MHz	
		5725 ~ 5850 MHz	
	802.11 n(HT20/HT40)	5150 ~ 5250 MHz	
		5250 ~ 5350 MHz	
		5470 ~ 5725 MHz	

		5725 ~ 5850 MHz
	802.11 ac(VHT20/VHT40/VHT80)	5150 ~ 5250 MHz
		5250 ~ 5350 MHz
		5470 ~ 5725 MHz
		5725 ~ 5850 MHz
	Bluetooth	2402 ~ 2480 MHz
	RFID	902 ~ 928 MHz
Antenna Type	WWAN	PIFA
	WLAN	PIFA
	Bluetooth	PIFA
	RFID	PCB
DTM	N/A	
Hotspot Function	Support	
Power Reduction	N/A	
Exposure Category	General Population/Uncontrolled exposure	
Product Type	Portable Device	
EUT Type	☒ Production unit	☐ Identical prototype

3 SUMMARY OF TEST RESULT

3.1 Test Standards

No.	Identity	Document Title
1	47 CFR Part 2.1093	Radiofrequency radiation exposure evaluation: portable devices
2	ANSI C95.1-1992	IEEE Standard for Safety Levels with Respect to Human Exposure to Radio Frequency Electromagnetic Fields, 3 kHz to 300 GHz
3	IEEE Std. 1528-2013	IEEE Recommended Practice for Determining the Peak Spatial-Average Specific Absorption Rate(SAR) in the Human Head from Wireless Communications Devices: Measurement Techniques
4	KDB 447498 D04 v01	447498 D04 Interim General RF Exposure Guidance v01
5	KDB 941225 D01 v03r01	3G SAR MEAUREMENT PROCEDURES
6	KDB 941225 D05 v02r05	SAR Evaluation Considerations for LTE Devices
7	KDB 941225 D06 v02r01	SAR EVALUATION PROCEDURES FOR PORTABLE DEVICES WITH WIRELESS ROUTER CAPABILITIES
8	KDB 865664 D01 v01r04	SAR Measurement 100 MHz to 6 GHz
9	KDB 865664 D02 v01r02	RF Exposure Reporting
10	KDB 648474 D04 v01r03	SAR EVALUATION CONSIDERATIONS FOR WIRELESS HANDSETS
11	KDB 248227 D01 v02r02	SAR GUIDANCE FOR IEEE 802.11 (Wi-Fi) TRANSMITTERS

3.2 Device Category and SAR Limit

This device belongs to portable device category because its radiating structure is allowed to be used within 20 centimeters of the body of the user.

Limit for General Population/Uncontrolled exposure should be applied for this device, it is 1.6 W/kg as averaged over any 1 gram of tissue.

Table of Exposure Limits:

Body Position	SAR Value (W/Kg)	
	General Population/ Uncontrolled Exposure	Occupational/ Controlled Exposure
Whole-Body SAR (averaged over the entire body)	0.08	0.4
Partial-Body SAR (averaged over any 1 gram of tissue)	1.60	8.0
SAR for hands, wrists, feet and ankles (averaged over any 10 grams of tissue)	4.0	20.0

NOTE:

General Population/Uncontrolled Exposure: Locations where there is the exposure of individuals who have no knowledge or control of their exposure. General population/uncontrolled exposure limits are applicable to situations in which the general public may be exposed or in which persons who are exposed as a consequence of their employment may not be made fully aware of the potential for exposure or cannot exercise control over their exposure. Members of the general public would come under this category when exposure is not employment-related; for example, in the case of a wireless transmitter that exposes persons in its vicinity.

Occupational/Controlled Exposure: Locations where there is exposure that may be incurred by persons who are aware of the potential for exposure, In general, occupational/controlled exposure limits are applicable to situations in which persons are exposed as a consequence of their employment, who have been made fully aware of the potential for exposure and can exercise control over their exposure. This exposure category is also applicable when the exposure is of a transient nature due to incidental passage through a location where the exposure levels may be higher than the general population/uncontrolled limits, but the exposed person is fully aware of the potential for exposure and can exercise control over his or her exposure by leaving the area or by some other appropriate means.

3.3 Test Result Summary

3.3.1 Highest SAR Values

Equipment Class	Band	Maximum Scaled SAR (W/kg)				Maximum Report SAR (W/kg)			
		Head (0mm)	Body-worn (10mm)	Hotspot (10mm)	Extremity (0mm)	Head (0mm)	Body-worn (10mm)	Hotspot (10mm)	Extremity (0mm)
		1g SAR			10g SAR	1g SAR			10g SAR
PCE	GSM 850	0.32	0.17	0.17	0.47	0.67	0.90	0.90	1.98
	GSM 1900	0.14	0.29	0.29	0.82				
	WCDMA Band 2	0.15	0.45	0.45	1.27				
	WCDMA Band 4	0.15	0.17	0.17	0.57				
	WCDMA Band 5	0.18	0.15	0.15	0.42				
	CDMA BC0	0.14	0.16	0.16	0.46				
	LTE Band 2	0.16	0.49	0.49	1.26				
	LTE Band 4	0.15	0.18	0.18	0.68				
	LTE Band 5	0.18	0.13	0.13	0.42				
	LTE Band 7	0.11	**0.90**	**0.90**	**1.98**				
	LTE Band 12	0.14	0.10	0.10	0.25				
	LTE Band 13	0.19	0.13	0.13	0.36				
	LTE Band 17	0.16	0.11	0.11	0.29				
	LTE Band 38	0.06	0.30	0.30	0.51				
	LTE Band 41	0.09	0.33	0.33	0.57				
DTS	2.4G WLAN	**0.67**	0.17	0.17	0.40				
NII	5.2G WLAN	/	/	0.01	/				
	5.3G WLAN	0.01	0.01	/	0.01				
	5.6G WLAN	0.03	0.03	/	0.06				
	5.8G WLAN	0.05	0.02	0.02	0.08				
DSS	Bluetooth	0.08	0.05	0.05	0.12				
RFID		/	/	/	0.53				
Limit (W/kg)		1.6			4.0	1.6			4.0
Verdict		PASS							

3.4 Test Uncertainty

According to KDB 865664 D01, When the highest measured 1 g SAR within a frequency band is < 1.5 W/kg, the extensive SAR measurement uncertainty analysis is not required in SAR reports submitted for equipment approval.

The maximum 1 g SAR for the EUT in this report is 0.90 W/kg, which is lower than 1.5 W/kg, so the extensive SAR measurement uncertainty analysis is not required in this report.
The maximum 10 g SAR for the EUT in this report is 1.98 W/kg, which is lower than 3.75 W/kg, so the extensive SAR measurement uncertainty analysis is not required in this report.

4 MEASUREMENT SYSTEM

4.1 Specific Absorption Rate (SAR) Definition

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:

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

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

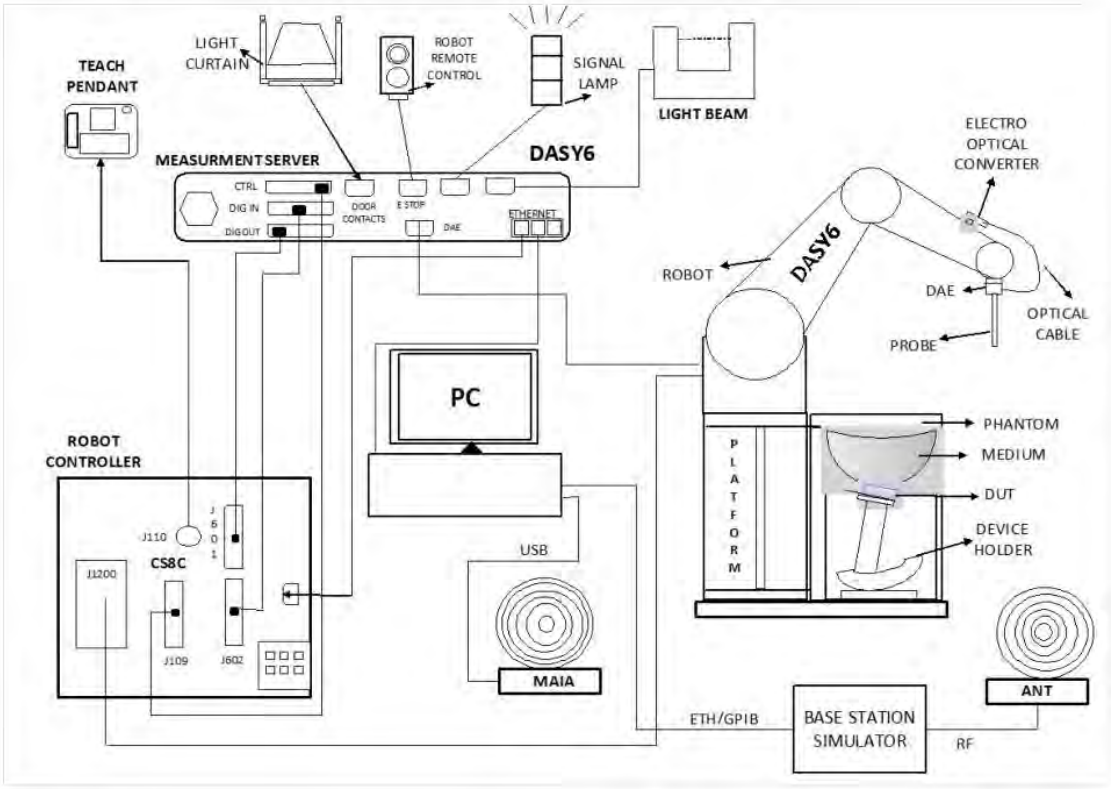
$$\mathbf{SAR} = \frac{\boldsymbol{\sigma}\mathbf{E}^{2}}{\boldsymbol{\rho}}$$

Where: σ is the conductivity of the tissue,

ρ is the mass density of the tissue and E is the RMS electrical field strength.

4.2 DASY SAR System

4.2.1 DASY SAR System Diagram

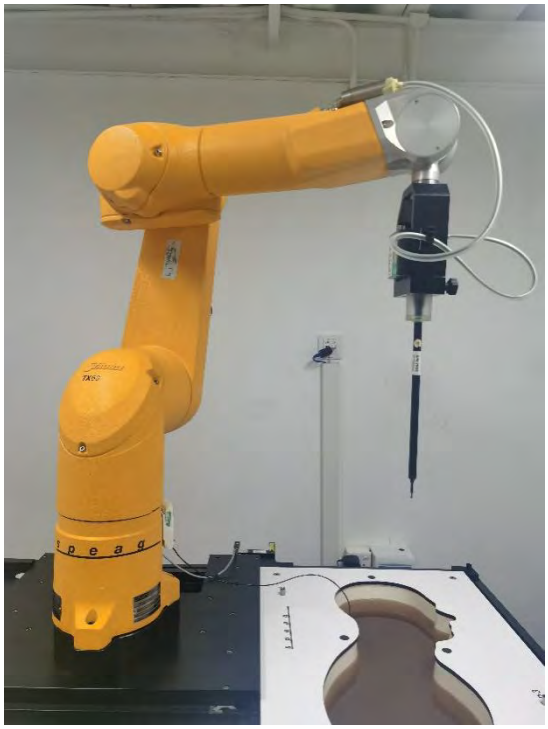


The DASY system for performing compliance tests consists of the following items:

1. A standard high precision 6-axis robot (Stäubli RX family) with controller and software. An arm extension for accommodating the data acquisition electronics (DAE).
2. A dosimetric probe, i.e. an isotropic E-field probe optimized and calibrated for usage in tissue simulating liquid. The probe is equipped with an optical surface detector system.
3. A data acquisition electronic (DAE) which performs the signal amplification, signal multiplexing, AD-conversion, offset measurements, mechanical surface detection, collision detection, etc. The unit is battery powered with standard or rechargeable batteries. The signal is optically transmitted to the EOC.
4. A unit to operate the optical surface detector which is connected to the EOC.
5. The Electro-Optical Coupler (EOC) performs the conversion from the optical into a digital electric signal of the DAE. The EOC is connected to the DASY measurement server.
6. The DASY measurement server, which performs all real-time data evaluation for field measurements and surface detection, controls robot movements and handles safety operation.
7. DASY software and SEMCAD data evaluation software.
8. Remote control with teach panel and additional circuitry for robot safety such as warning lamps, etc.
9. The generic twin phantom enabling the testing of left-hand and right-hand usage.
10. The device holder for handheld mobile phones.
11. Tissue simulating liquid mixed according to the given recipes.
12. System validation dipoles allowing to validate the proper functioning of the system.

4.2.2 Robot

The Dasy SAR system uses the high precision robots. Symmetrical design with triangular core Built-in optical fiber for surface detection system For the 6-axis controller system, Built-in shielding against static charges PEEK enclosure material (resistant to organic solvents). The robot series have many features that are important for our application:



- High precision
  (repeatability ±0.02 mm)
- High reliability
  (industrial design)
- Low maintenance costs
  (virtually maintenance free due to direct drive gears; no belt drives)
- Jerk-free straight movements
  (brush less synchron motors; no stepper motors)
- Low ELF interference
  (motor control _elds shielded via the closed metallic construction shields)

4.2.3 E-Field Probe

The probe is specially designed and calibrated for use in liquids with high permittivities for the measurements the Specific Dosimetric E-Field Probe EX3DV4-SN: 7607 with following specifications is used.

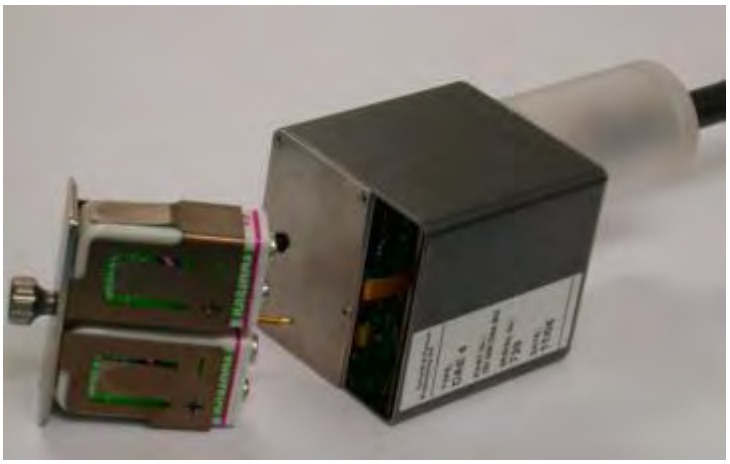
Construction	Symmetrical design with triangular core Built-in optical fiber for surface detection system Built-in shielding against static charges PEEK enclosure material (resistant to organic solvents, e.g., glycolether)
Calibration	ISO/IEC 17025 calibration service available
Frequency	4 MHz to 10 GHz; Linearity: ± 0.2 dB
Directivity	± 0.2 dB in HSL (rotation around probe axis) ; ± 0.4 dB in HSL (rotation normal to probe axis)
Dynamic range	5 µW/g to > 100 mW/g; Linearity: ± 0.2 dB
Dimensions	Overall length: 337 mm (Tip: 9 mm) Tip diameter: 2.5 mm (Body: 10 mm) Distance from probe tip to dipole centers: 1.0 mm
Application	General dosimetry up to 3 GHz Compliance tests of mobile phones Fast automatic scanning in arbitrary phantoms (EX3DV4)

E-Field Probe Calibration Process

Probe calibration is realized, in compliance with IEC/IEEE 62209-1528 and IEEE 1528 std, with CALISAR, Antennessa proprietary calibration system. The calibration is performed with the IEC/IEEE 62209-1528 annexe technique using reference guide at the five frequencies.

4.2.4 Data Acquisition Electronics

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



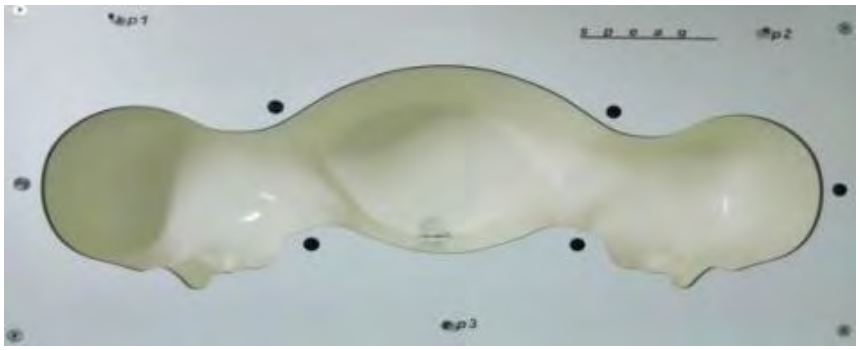
- Input Impedance: 200MOhm
- The Inputs: Symmetrical and Floating
- Commom Mode Rejection: Above 80dB

4.2.5 Phantoms

For the measurements the Specific Anthropomorphic Mannequin (SAM) defined by the IEEE SCC-34/SC2 group is used. The phantom is a polyurethane shell integrated in a wooden table. The thickness of the phantom amounts to 2mm +/- 0.2mm. It enables the dosimetric evaluation of left and right phone usage and includes an additional flat phantom part for the simplified performance check. The phantom set-up includes a cover, which prevents the evaporation of the liquid.

- Left head
- Right head
- Flat phantom

Photo of Phantom SN1859



Serial Number	Material	Length	Height
SN 1859 SAM	Vinylester, glass fiber reinforced	1000	500

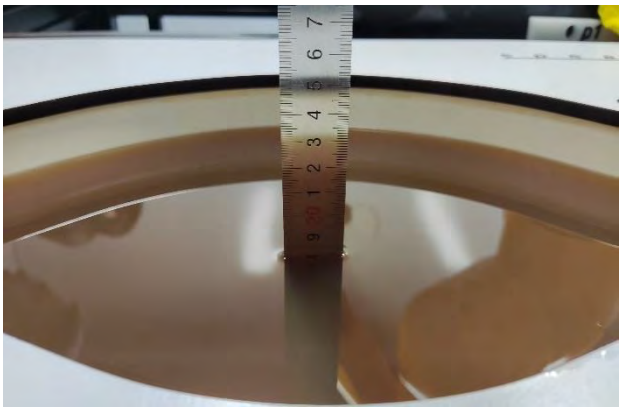
4.2.6 Device Holder

The DASY device holder has two scales for device rotation (with respect to the body axis) and the device inclination (with respect to the line between the ear openings). The plane between the ear openings and the mouth tip has a rotation angle of 65°. The bottom plate contains three pair of bolts for locking the device holder. The device holder positions are adjusted to the standard measurement positions in the three sections. This device holder is used for standard mobile phones or PDA"s only. If necessary an additional support of polystyrene material is used. Larger DUT"s (e.g. notebooks) cannot be tested using this device holder. Instead a support of bigger polystyrene cubes and thin polystyrene plates is used to position the DUT in all relevant positions to find and measure spots with maximum SAR values. Therefore those devices are normally only tested at the flat part of the SAM.

The positioning system allows obtaining cheek and tilting position with a very good accuracy. Incompliance with CENELEC, the tilt angle uncertainty is lower than 1°.

4.2.7 Simulating Liquid

For SAR measurement of the field distribution inside the phantom, the phantom must be filled with homogeneous tissue simulating liquid to a depth of at least 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%.

Head Liquid Depth	Body Liquid Depth
	

The following table gives the recipes for tissue simulating liquid.

TSL	Manufacturer / Model	Freq Range (MHz)	Main Ingredients
Head WideBand	SPEAG HBBL600-10000V6	600-10000	Ethanediol, Sodium petroleum sulfonate, Hexylene Glycol / 2-Methyl-pentane-2.4-diol, Alkoxylated alcohol

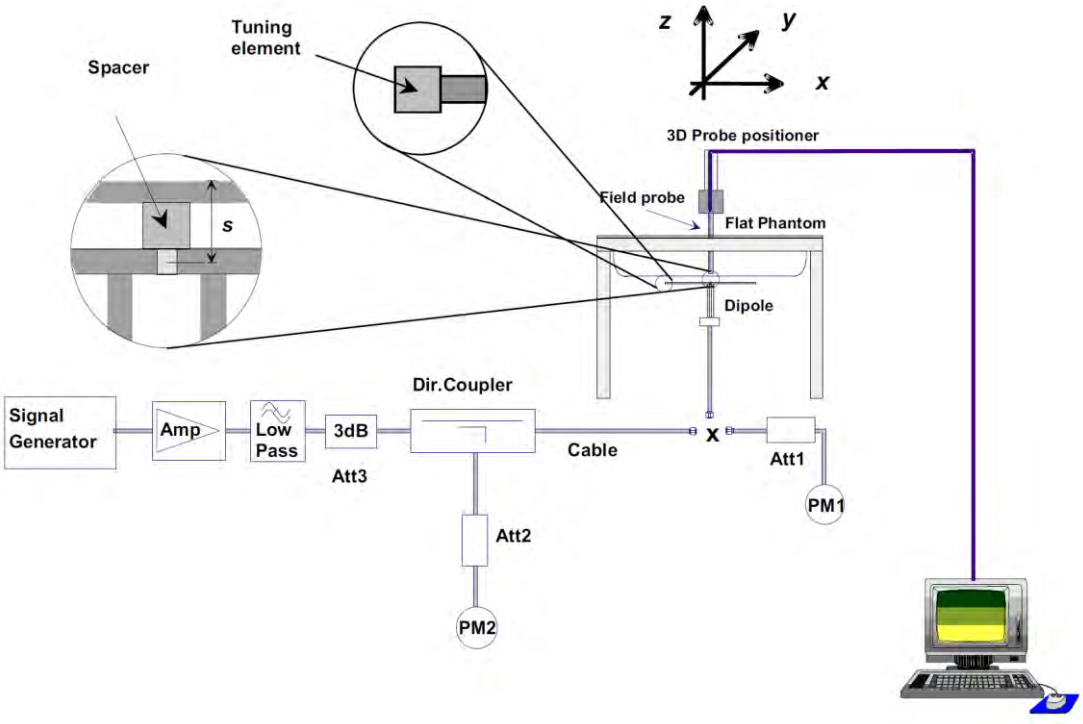
5 SYSTEM VERIFICATION

5.1 Purpose of System Check

The system performance check verifies that the system operates within its specifications. System and operator errors can be detected and corrected. It is recommended that the system performance check be performed prior to any usage of the system in order to guarantee reproducible results. The system performance check uses normal SAR measurements in a simplified setup with a well characterized source.This setup was selected to give a high sensitivity to all parameters that might fail or vary over time. The system check does not intend to replace the calibration of the components, but indicates situations where the system uncertainty is exceeded due to drift or failure.

5.2 System Check Setup

In the simplified setup for system evaluation, the EUT is replaced by a calibrated dipole and the power source is replaced by a continuous wave that comes from a signal generator. The calibrated dipole must be placed beneath the flat phantom section of the SAM twin phantom with the correct distance holder. The distance holder should touch the phantom surface with a light pressure at the reference marking and be oriented parallel to the long side of the phantom. The equipment setup is shown below:



6 TEST POSITION CONFIGURATIONS

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

6.1 Head Exposure Conditions

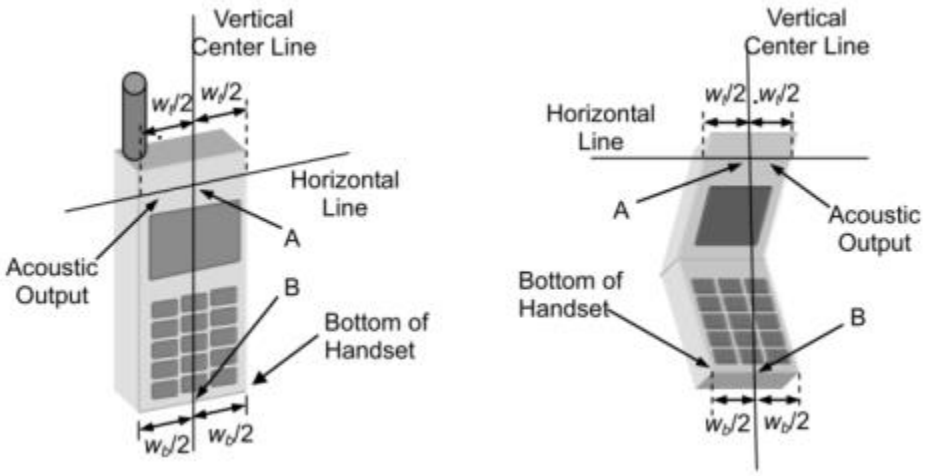
Head exposure is limited to next to the ear voice mode operations. Head SAR compliance is tested according to the test positions defined in IEEE Std 1528-2013 using the SAM phantom illustrated as below.

6.1.1 Two Imaginary Lines on the Handset

(a) The vertical center line passes through two points on the front side of the handset - the midpoint of the width w t of the handset at the level of the acoustic output, and the midpoint of the width w b of the bottom of the handset.

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

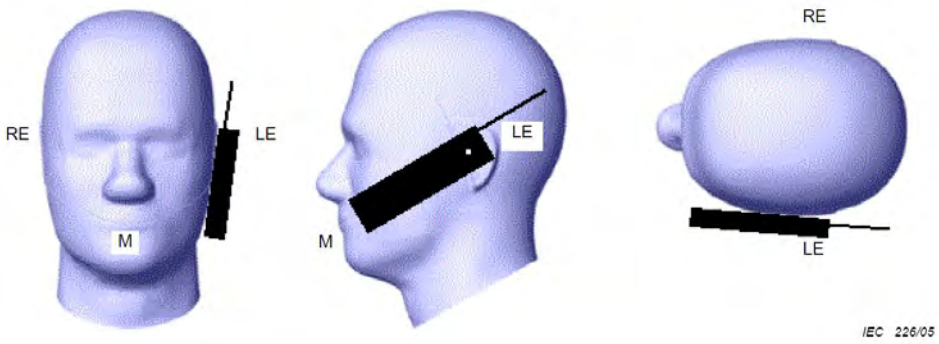
(c) The two lines intersect at point A. Note that for many handsets, point A coincides with the center of the acoustic output; however, the acoustic output may be located elsewhere on the horizontal line. Also note that the vertical center line is not necessarily parallel to the front face of the handset,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



6.1.2 Cheek Position

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

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



6.1.3 Tilted Position

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

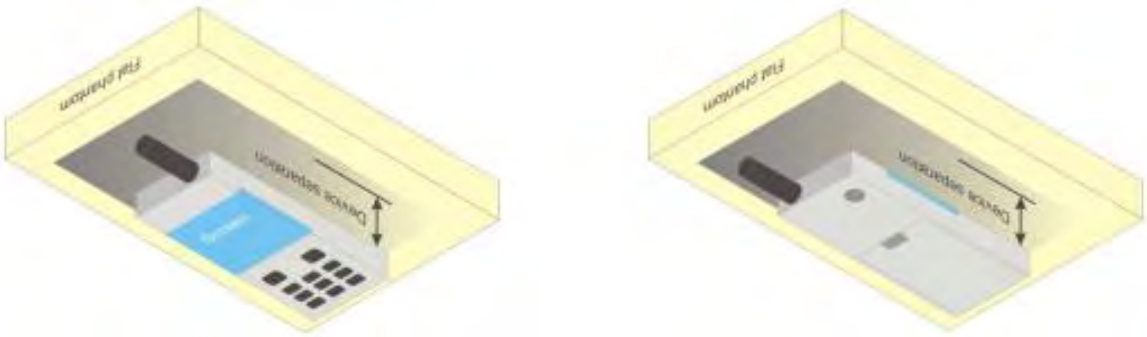
(b) While maintaining the device the reference plane described above and pivoting against the ear, moves it outward away from the mouth by an angle of 15 degrees or until contact with the ear is lost.

6.2 Body-worn Position Conditions

Body-worn accessory exposure is typically related to voice mode operations when handsets are carried in body-worn accessories. The body-worn accessory procedures in KDB 447498 are used to test for body-worn accessory SAR compliance, without a headset connected to it. This enables the test results for such configuration to be compatible with that required for hotspot mode when the body-worn accessory test separation distance is greater than or equal to that required for hotspot mode. When the reported SAR for a body-worn accessory.

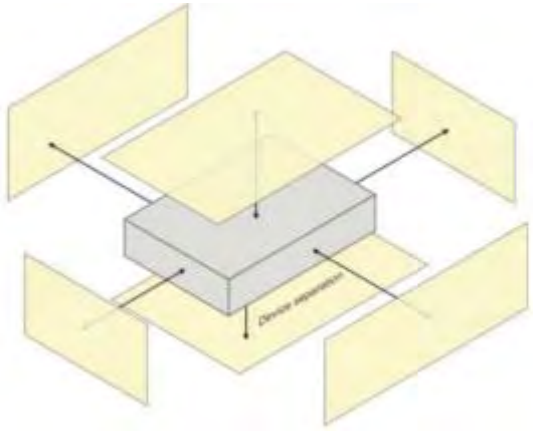
Body-worn accessories that do not contain metallic or conductive components may be tested according to worst-case exposure configurations, typically according to the smallest test separation distance required for the group of body-worn accessories with similar operating and exposure characteristics.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

Body-worn accessory SAR compliance is based on a single minimum test separation distance for all wireless and operating modes applicable to each body-worn accessory used by the host, and according to the relevant voice and/or data mode transmissions and operations. If a body-worn accessory supports voice only operations in its normal and expected use conditions, testing of data mode for body-worn compliance is not required. A conservative minimum test separation distance for supporting off-the-shelf body-worn accessories that may be acquired by users of consumer handsets is used to test for body-worn accessory SAR compliance. This distance is determined by the handset manufacturer, according to the requirements of Supplement C 01-01. Devices that are designed to operate on the body of users using lanyards and straps, or without requiring additional body-worn accessories, will be tested using a conservative minimum test separation distance <= 5 mm to support compliance.



6.3 Hotspot Mode Exposure Position Conditions

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



6.4 Product Specific 10g Exposure Consideration

According with FCC KDB 648474 D04, for smart phones with a display diagonal dimension > 15.0 cm or an overall diagonal dimension > 16.0 cm that provide similar mobile web access and multimedia support found in mini-tablets or UMPC mini-tablets that support voice calls next to the ear, unless it is confirmed otherwise through KDB inquiries, the following phablet procedures should be applied to evaluate SAR compliance for each applicable wireless modes and frequency band. Devices marketed as phablets, regardless of form factors and operating characteristics must be tested as a phablet to determine SAR compliance;

The UMPC mini-tablet procedures must also be applied to test the SAR of all surfaces and edges with an antenna located at $\leqslant$ 25 mm from that surface or edge, in direct contact with a flat phantom, for 10-g extremity SAR according to the body-equivalent tissue dielectric parameters in KDB 865664 to address interactive hand use exposure conditions. The UMPC mini-tablet 1-g SAR at 5 mm is not required. When hotspot mode applies, 10-g extremity SAR is required only for the surfaces and edges with hotspot mode 1-g reported SAR > 1.2 W/kg.

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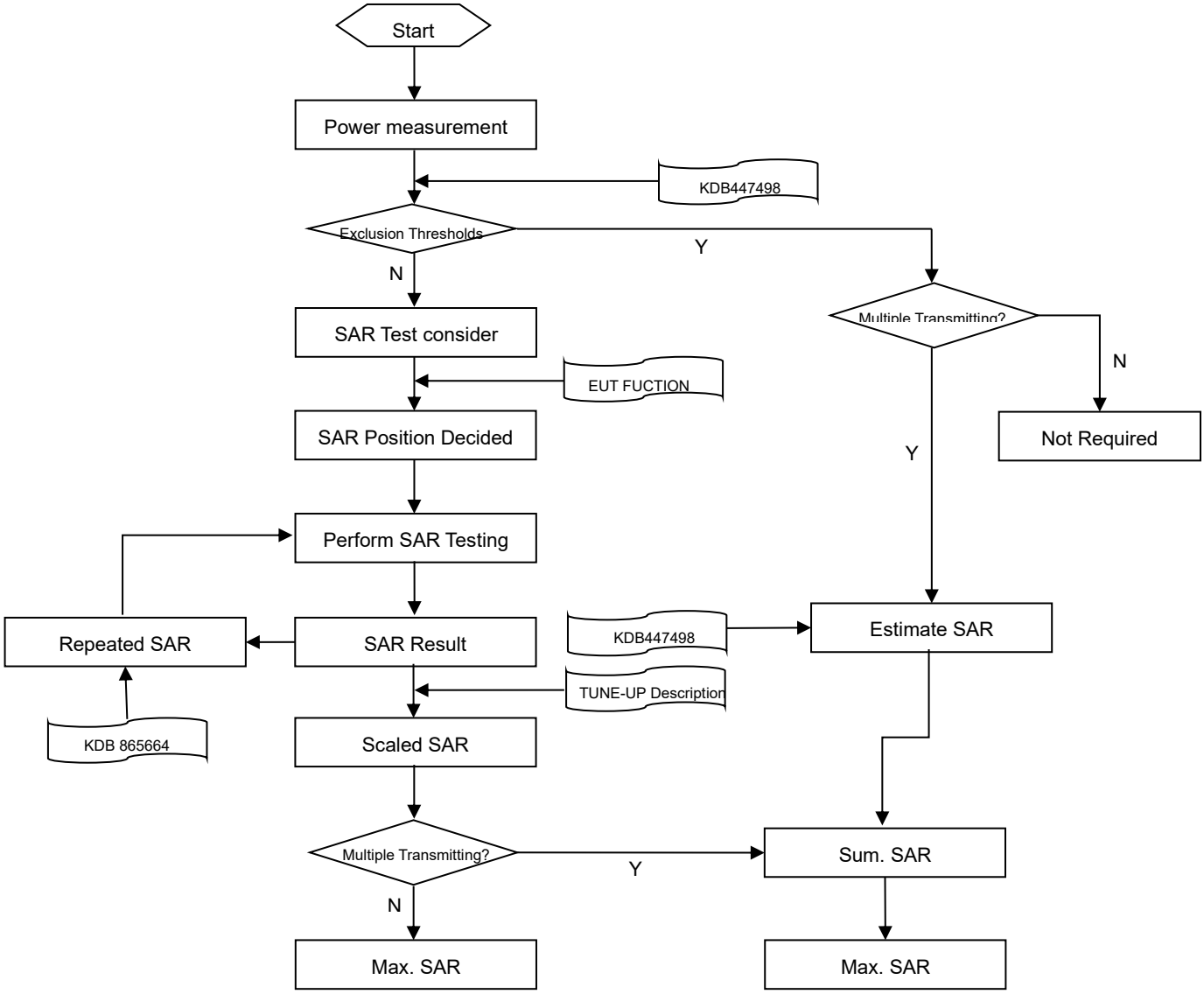
7 MEASUREMENT PROCEDURE

7.1 Measurement Process Diagram



7.2 SAR Scan General Requirement

Probe boundary effect error compensation is required for measurements with the probe tip closer than half a probe tip diameter to the phantom surface. Boththe probe tip diameter and sensor offset distance must satisfy measurement protocols; to ensure probe boundary effect errors are minimized and the higher fields closest to the phantom surface can be correctly measured and extrapolated to the phantom surface for computing 1 g SAR. Tolerances of the post-processing algorithms must be verified by the test laboratory for the scan resolutions used in the SAR measurements, according to the reference distribution functions specified in IEEE Std 1528-2013.

<table>
<tr><th colspan="3"></th><th>≤3GHz</th><th>>3GHz</th></tr>
<tr><td colspan="3">Maximum distance from closest measurement point (geometric center of probe sensors) to phantom surface</td><td>5±1 mm</td><td>½·δ·ln(2)±0.5 mm</td></tr>
<tr><td colspan="3">Maximum probe angle from probe axis to phantom surface normal at the measurement location</td><td>30°±1°</td><td>20°±1°</td></tr>
<tr><td colspan="3" rowspan="2">Maximum area scan spatial resolution: Δx Area , Δy Area</td><td>≤ 2 GHz: ≤ 15 mm
2 – 3 GHz: ≤ 12 mm</td><td>3–4 GHz: ≤ 12 mm
4 – 6 GHz: ≤ 10 mm</td></tr>
<tr><td colspan="2">When the x or y dimension of the test device, in the measurement plane orientation, is smaller than the above, the measurement resolution must be ≤ the corresponding x or y dimension of the test device with at least one measurement point on the test device.</td></tr>
<tr><td colspan="3">Maximum zoom scan spatial resolution: Δx Zoom , Δy Zoom</td><td>≤ 2 GHz: ≤ 8 mm
2 –3 GHz: ≤ 5 mm*</td><td>3–4 GHz: ≤ 5 mm*
4 – 6 GHz: ≤ 4 mm*</td></tr>
<tr><td rowspan="7">Maximum zoom scan spatial resolution, normal to phantom surface</td><td colspan="2" rowspan="3">uniform grid: Δz Zoom (n)</td><td rowspan="3">≤ 5 mm</td><td>3–4 GHz: ≤ 4 mm</td></tr>
<tr><td>4–5 GHz: ≤ 3 mm</td></tr>
<tr><td>5–6 GHz: ≤ 2 mm</td></tr>
<tr><td rowspan="4">graded grid</td><td rowspan="2">Δz Zoom (1): between 1st two points closest to phantom surface</td><td rowspan="2">≤ 4 mm</td><td>3–4 GHz: ≤ 3 mm</td></tr>
<tr><td>4–5 GHz: ≤ 2.5 mm</td></tr>
<tr><td>5–6 GHz: ≤ 2 mm</td></tr>
<tr><td>Δz Zoom (n>1): between subsequent points</td><td colspan="2">≤ 1.5·Δz Zoom (n-1)</td></tr>
<tr><td rowspan="3">Minimum zoom scan volume</td><td colspan="2" rowspan="3">x, y, z</td><td rowspan="3">≥30 mm</td><td>3–4 GHz: ≥ 28 mm</td></tr>
<tr><td>4–5 GHz: ≥ 25 mm</td></tr>
<tr><td>5–6 GHz: ≥ 22 mm</td></tr>
<tr><td colspan="5">Note:
1. δ is the penetration depth of a plane-wave at normal incidence to the tissue medium; see draft standard IEEE P1528-2011 for details.
2. * When zoom scan is required and the reported SAR from the area scan based 1 g SAR estimation procedures of KDB 447498 is ≤ 1.4 W/kg, ≤ 8 mm, ≤ 7 mm and ≤ 5 mm zoom scan resolution may be applied, respectively, for 2 GHz to 3GHz, 3 GHz to 4 GHz and 4 GHz to 6 GHz.</td></tr>
</table>

7.3 Measurement Procedure

The following steps are used for each test position

a. Establish a call with the maximum output power with a base station simulator. The connection between the mobile and the base station simulator is established via air interface

b. Measurement of the local E-field value at a fixed location. This value serves as a reference value for calculating a possible power drift.

c. Measurement of the SAR distribution with a grid of 8 to 16mm * 8 to16 mm and a constant distance to the inner surface of the phantom. Since the sensors cannot directly measure at the inner phantom surface, the values between the sensors and the inner phantom surface are extrapolated. With these values the area of the maximum SAR is calculated by an interpolation scheme.

d. Around this point, a cube of 30 * 30 * 30 mm or 32 * 32 *32 mm is assessed by measuring 5 or 8 * 5 or 8*4 or 5 mm. With these data, the peak spatial-average SAR value can be calculated.

7.4 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. Area scan and zoom scan resolution setting follows KDB 865664 D01v01r04 quoted below.

When the 1 g SAR of the highest peak is within 2 dB of the SAR limit, additional zoom scans are required for other peaks within 2 dB of the highest peak that have not been included in any zoom scan to ensure there is no increase in SAR.

8 CONDUCTED RF OUPUT POWER

8.1 GSM

Please refer the document “BL-SZ2410913-AP.pdf”.

8.2 WCDMA

Please refer the document “BL-SZ2410913-AP.pdf”.

8.3 LTE

Please refer the document “BL-SZ2410913-AP.pdf”.

8.4 WIFI

8.4.1 2.4G WIFI

Band (GHz)	Mode	Channel	Freq. (MHz)	Average Power (dBm)	Tune-up Power Limit (dBm)	SAR Test Require.
2.4 (2.4~2.4835)	802.11b	1	2412	**18.86**	19.00	Yes
		6	2437	18.44	19.00	Yes
		11	2462	18.47	19.00	Yes
	802.11g	1	2412	18.73	19.00	No
		6	2437	18.29	19.00	No
		11	2462	17.48	19.00	No
	802.11n(HT20)	1	2412	18.28	19.00	No
		6	2437	17.91	19.00	No
		11	2462	17.21	19.00	No
	802.11n(HT40)	3	2422	15.49	17.00	No
		6	2437	18.40	19.00	No
		9	2452	13.22	15.00	No

Note: When multiple channel bandwidth configurations in a frequency band have the same maximum tune-up output power, the test configuration is determined by applying the following steps sequentially.

1) The largest channel bandwidth configuration is selected between the multiple configurations in a frequency band with the same maximum tune-up output power.

2) When multiple transmission modes (802.11b/g/n) have the same maximum tune-up output power, largest channel bandwidth, lowest order modulation and lowest data rate, the lowest order 802.11 mode is selected; i.e., 802.11b is chosen over 802.11g, and 802.11g chosen over 802.11n.

3) According KDB 247228, when the highest reported SAR for DSSS is adjusted by the ratio of OFDM to DSSS specified maximum output power and the adjusted SAR is $\leqslant$ 1.2 W/kg, OFDM SAR test is not required.

Adjusted SAR = 0.668 * (79.43mW/79.43mW) = 0.668 W/Kg, so 2.4G OFDM SAR test is not required.

8.4.2 5G WIFI

Band (GHz)	Mode	Channel	Freq. (MHz)	Average Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
5.2 (5.15~5.25)	802.11a	36	5180	17.83	19.00	No
		44	5220	18.11	19.00	No
		48	5240	17.88	19.00	No
	802.11n(HT20)	36	5180	17.64	19.00	No
		44	5220	17.91	19.00	No
		48	5240	17.75	19.00	No
	802.11n(HT40)	38	5190	18.38	19.00	No
		46	5230	18.52	19.00	No
	802.11ac(VHT20)	36	5180	17.65	19.00	No
		44	5220	17.91	19.00	No
		48	5240	17.67	19.00	No
	802.11ac(VHT40)	38	5190	18.12	19.00	No
		46	5230	18.54	19.00	No
	802.11ac(VHT80)	42	5210	**18.10**	19.00	Yes
5.3 (5.25~5.35)	802.11a	52	5260	17.64	19.00	No
		60	5300	17.61	19.00	No
		64	5320	17.76	19.00	No
	802.11n(HT20)	52	5260	17.46	19.00	No
		60	5300	17.46	19.00	No
		64	5320	16.67	17.00	No
	802.11n(HT40)	54	5270	**18.11**	19.00	Yes
		62	5310	17.24	19.00	Yes
	802.11ac(VHT20)	52	5260	17.60	19.00	No
		60	5300	17.46	19.00	No
		64	5320	17.63	19.00	No
	802.11ac(VHT40)	54	5270	18.14	19.00	No
		62	5310	17.36	19.00	No
	802.11ac(VHT80)	58	5290	14.08	16.00	No
5.6 (5.47~5.725)	802.11a	100	5500	18.19	19.00	No
		116	5580	18.62	19.00	No
		140	5700	18.10	19.00	No
	802.11n(HT20)	100	5500	17.93	19.00	No
		116	5580	18.47	19.00	No
		140	5700	17.92	19.00	No
	802.11n(HT40)	102	5510	18.68	20.00	Yes
		118	5590	19.17	20.00	Yes

		134	5670	**19.41**	20.00	Yes
	802.11ac(VHT20)	100	5500	18.02	19.00	No
		116	5580	18.74	19.00	No
		140	5700	18.34	19.00	No
	802.11ac(VHT40)	102	5510	18.89	19.00	No
		118	5590	19.44	20.00	No
		134	5670	19.63	20.00	No
	802.11ac(VHT80)	106	5530	15.44	17.00	No
		122	5610	19.23	19.50	No
5.8 (5.725~5.850)	802.11a	149	5745	18.57	19.00	No
		157	5785	18.30	19.00	No
		165	5825	18.19	19.00	No
	802.11n(HT20)	149	5745	18.38	19.00	No
		157	5785	18.17	19.00	No
		165	5825	18.03	19.00	No
	802.11n(HT40)	151	5755	18.77	19.00	No
		159	5795	18.52	19.00	No
	802.11ac(VHT20)	149	5745	18.37	19.00	No
		157	5785	18.12	19.00	No
		165	5825	18.03	19.00	No
	802.11ac(VHT40)	151	5755	18.76	19.00	No
		159	5795	18.51	19.00	No
	802.11ac(VHT80)	155	5775	**18.23**	19.00	Yes
Note: When the same maximum output power is specified for both bands, begin SAR measurement in U-NII-2A band by applying the OFDM SAR requirements. If the highest reported SAR for a test configuration is ≤ 1.2 W/kg, SAR is not required for U-NII-1 band for that configuration (802.11 mode and exposure condition); otherwise, each band is tested independently for SAR.						

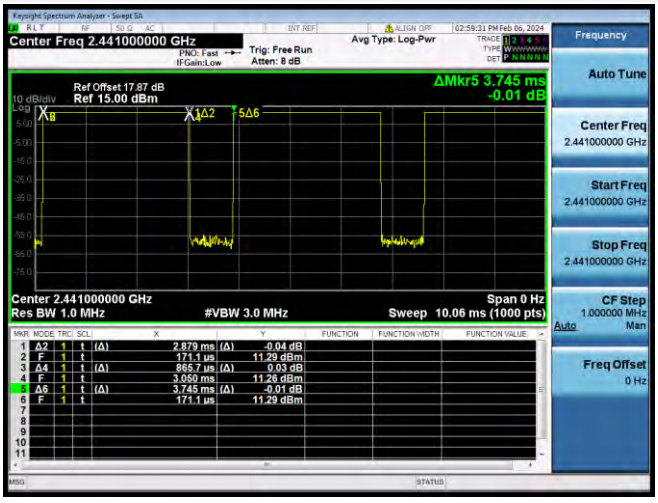
8.5 Bluetooth

Mode	GFSK			π/4-DQPSK		
Channel	0	39	78	0	39	78
Frequency (MHz)	2402	2441	2480	2402	2441	2480
Peak Power(dBm)	11.63	11.54	11.36	11.23	10.97	10.91
Tune-Up Limit (dBm)	12.00	12.00	12.00	12.00	12.00	12.00
SAR Test Require	Yes	Yes	Yes	No	No	No
Mode	8-DPSK			/		
Channel	0	39	78	/	/	/
Frequency (MHz)	2402	2441	2480	/	/	/
Peak Power(dBm)	11.37	11.14	11.03	/	/	/
Tune-Up Limit (dBm)	12.00	12.00	12.00	/	/	/
SAR Test Require	No	No	No	/	/	/
Mode	BLE-1Mbps			BLE-2Mbps		
Channel	0	19	39	1	19	38
Frequency (MHz)	2402	2440	2480	2404	2440	2478
Peak Power(dBm)	5.73	5.82	7.03	6.07	6.03	7.27
Tune-Up Limit (dBm)	7.50	7.50	7.50	7.50	7.50	7.50
SAR Test Require	No	No	No	No	No	No
Note: Since Bluetooth BR mode is the maximum output power mode, SAR measurements were performed with test software using DH5 modulation, and SAR measurement is not required for the EDR and LE. When the secondary mode is ⩽ ¼ dB higher than the primary mode.						

Note: The Bluetooth duty cycle is 76.88% as following figure, according to 2016 Oct. TCB workshop for Bluetooth SAR scaling need further consideration and the maximum duty cycle is 100%, therefore the actual duty cycle will be scaled up to 100% for Bluetooth reported SAR calculation.

Duty Cycle

GFSK

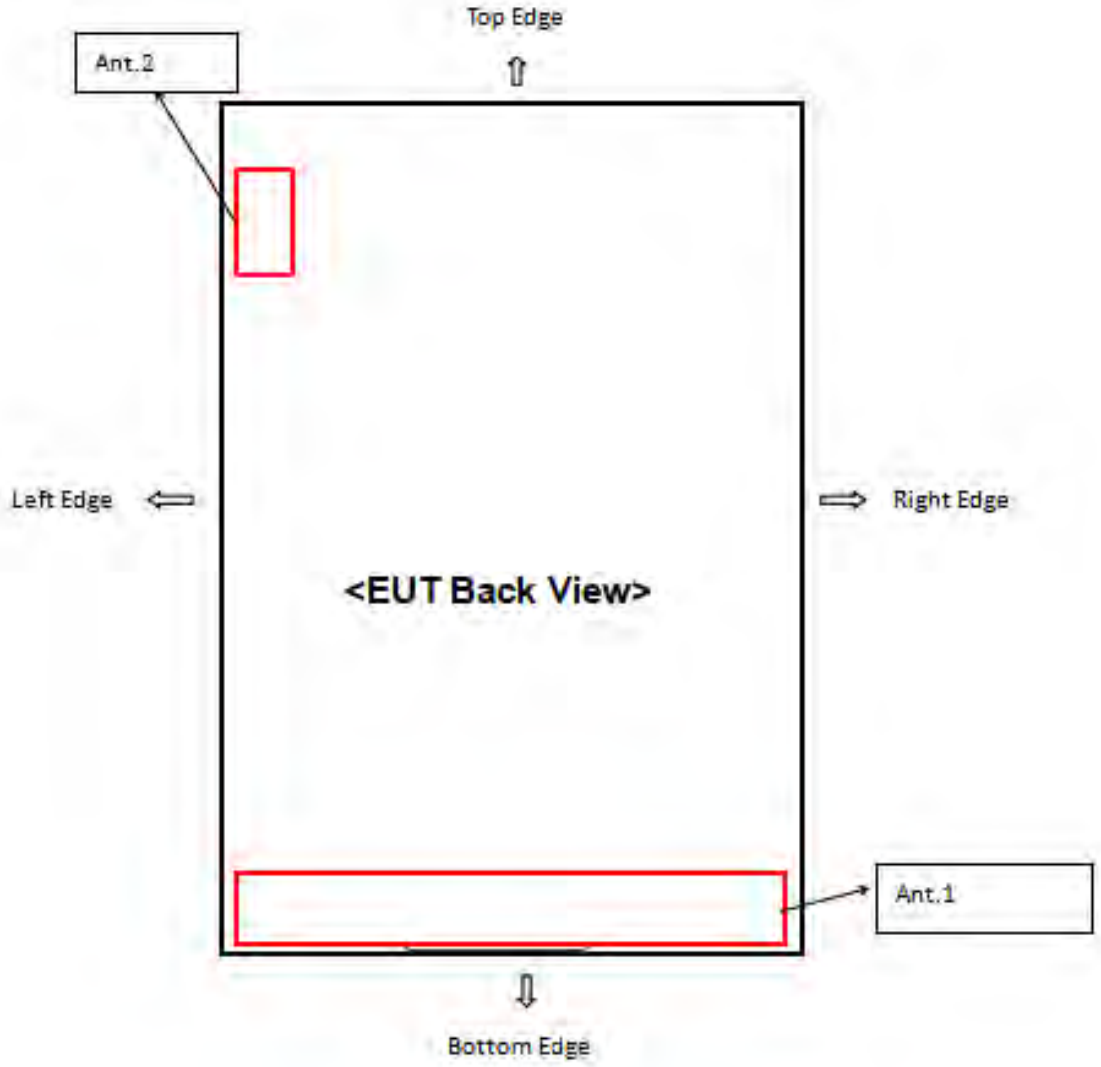


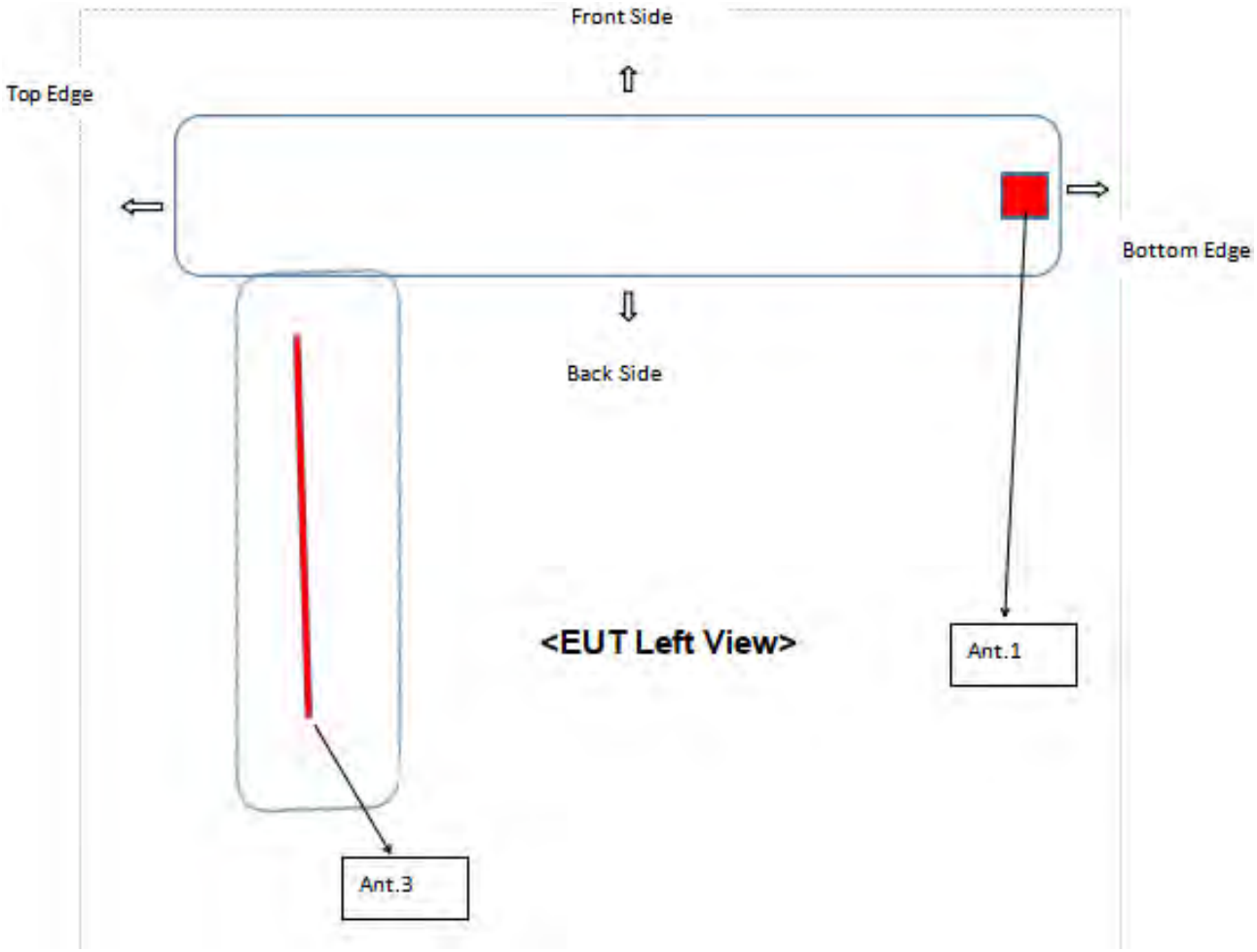
8.6 RFID

Band (MHz)	Channel	Freq. (MHz)	Average Power (dBm)	Tune-up Power Limit (dBm)	SAR Test Require.
902 ~ 928	1	902.75	23.05	24.00	Yes
	2	914.75	22.06	24.00	Yes
	3	927.25	22.03	24.00	Yes

9 TEST EXCLUSION CONSIDERATION

9.1 Antenna Location Sketch





Antenna	Support Bands
Antenna 1	GSM 850/1900; WCDMA B2/4/5; CDMA BC0; LTE B2/4/5/7/12/13/17/38/41
Antenna 2	WLAN2.4G; WLAN5G; Bluetooth
Antenna 3	RFID

Antenna	Front Side(mm)	Back Side(mm)	Left Edge(mm)	Right Edge(mm)	Top Edge(mm)	Bottom Edge(mm)
Ant.1	<25	>25	<25	<25	>25	<25
Ant.2	<25	>25	<25	>25	<25	>25
Note: Per KDB 941225 D06, When the overall length and width of a device is > 9 cm *5 cm, a test separation distance of 10 mm is required for hotspot mode SAR measurements and hotspot mode SAR is measured for all edges and surfaces of the device with a transmitting antenna located within 25 mm from that surface or edge.						

9.2 SAR Test Exclusion Consideration Table

According with FCC KDB 447498 D04, Appendix B, The SAR-based exemption formula applies for single fixed, mobile, and portable RF sources with available maximum time-averaged power or effective radiated power (ERP), whichever is greater, of less than or equal to the threshold Pth (mW), this Device SAR test configurations consider as following:

RF exposure Position	RF exposure scenarios
Front Side	Extremity
Back Side	Extremity
Left Side	Extremity
Right Side	Extremity
Top Side	Extremity
Bottom Side	Extremity

Test Position Configurations	Mode	RFID
Calculated Frequency (MHz)		927.25
Front Side	Distance to User (mm)	30.00
	Max. Peak Power (dBm)	24.00
	Max. Peak Power (mW)	251.19
	Exclusion Threshold (mW)	113.65
	SAR Test Required	Yes
Back Side	Distance to User (mm)	5.00
	Max. Peak Power (dBm)	24.00
	Max. Peak Power (mW)	251.19
	Exclusion Threshold (mW)	7.98
	SAR Test Required	Yes
Left Edge	Distance to User (mm)	5.00
	Max. Peak Power (dBm)	24.00
	Max. Peak Power (mW)	251.19
	Exclusion Threshold (mW)	7.98
	SAR Test Required	Yes
Right Edge	Distance to User (mm)	5.00
	Max. Peak Power (dBm)	24.00
	Max. Peak Power (mW)	251.19
	Exclusion Threshold (mW)	7.98
	SAR Test Required	Yes
Top Edge	Distance to User (mm)	5.00
	Max. Peak Power (dBm)	24.00
	Max. Peak Power (mW)	251.19
	Exclusion Threshold (mW)	7.98
	SAR Test Required	Yes
Bottom Side	Distance to User (mm)	125.00

	Max. Peak Power (dBm)	24.00
	Max. Peak Power (mW)	251.19
	Exclusion Threshold (mW)	942.46
	SAR Test Required	No

Note:

1. Maximum power is the source-based time-average power and represents the maximum RF output power including tune-up tolerance among production units
2. Per KDB 447498 D04, for larger devices, the test separation distance of adjacent edge configuration is determined by the closest separation between the antenna and the user.
3. Per KDB 447498 D04, standalone SAR test exclusion threshold is applied; If the distance of the antenna to the user is < 5mm, 5mm is used to determine SAR exclusion threshold
4. Per KDB 447498 D04, for separation distances from 0.5 cm to 40 cm and at frequencies from 0.3 GHz to 6 GHz (inclusive), the threshold Pth (mW) is given by Following:

$$P_{th}(mW) = \begin{cases} ERP_{20cm}(d/20cm)^x & d \le 20cm \\ ERP_{20cm} & 20cm < d \le 40cm \end{cases}$$

where

$$x = -log_{10}\left(\frac{60}{ERP_{20cm}\sqrt{f}}\right)$$

   a. f(GHz) is the RF channel transmit frequency in GHz
   b. d is the separation distance (cm), The result is rounded to one decimal place for comparison
   c. ERP_{20cm} are determined by:

$$ERP_{20cm}(mW) = f(x) = \begin{cases} 2040f & 0.3GHz \le f < 1.5GHz \\ 3060 & 1.5GHz \le f \le 6GHz \end{cases}$$

5. Per KDB 941225 D01, RMC 12.2kbps setting is used to evaluate SAR. If HSDPA /HSUPA /DC-HSDPA output power is < 0.25dB higher than RMC12.2Kbps, or reported SAR with RMC 12.2kbps setting is ≤ 1.2W/kg, HSDPA/HSUPA/DC-HSDPA SAR evaluation can be excluded.
6. Per KDB 248227 D01, choose the highest output power channel to test SAR and determine further SAR exclusion.8. For each frequency band, testing at higher data rates and higher order modulations is not required when the maximum average output power for each of these configurations is less than 1/4dB higher than those measured at the lowest data rate
7. Per KDB 248227 D01 SAR is not required for the following 2.4 GHz OFDM conditions.
   a. When KDB Publication 447498 D04 SAR test exclusion applies to the OFDM configuration.
   b. When the highest reported SAR for DSSS is adjusted by the ratio of OFDM to DSSS specified maximum output power and the adjusted SAR is ≤ 1.2 W/kg.
8. Per KDB 248227 D01 SAR is not required for the following U-NII-1 and U-NII-2A bands conditions.
   a. When the same maximum output power is specified for both bands, begin SAR measurement in U-NII-2A band by applying the OFDM SAR requirements. If the highest reported SAR for a test configuration is ≤ 1.2 W/kg, SAR is not required for U-NII-1 band for that configuration (802.11 mode and exposure condition); otherwise, each band is tested independently for SAR.
   b. When different maximum output power is specified for the bands, begin SAR measurement in the band with higher specified maximum output power. The highest reported SAR for the tested configuration is adjusted by the ratio of lower to higher specified maximum output power for the two bands. When the adjusted SAR is ≤ 1.2 W/kg, SAR is not required for the band with lower maximum output power in that test configuration; otherwise, each band is tested independently for SAR.

9.3 10g Extremity Exposure Consideration

According with FCC KDB 648474 D04, for smart phones with a display diagonal dimension > 15.0 cm or an overall diagonal dimension > 16.0 cm that provide similar mobile web access and multimedia support found in mini-tablets or UMPC mini-tablets that support voice calls next to the ear, unless it is confirmed otherwise through KDB inquiries, the following phablet procedures should be applied to evaluate SAR compliance for each applicable wireless modes and frequency band. Devices marketed as phablets, regardless of form factors and operating characteristics must be tested as a phablet to determine SAR compliance;

The UMPC mini-tablet procedures must also be applied to test the SAR of all surfaces and edges with an antenna located at ≤ 25 mm from that surface or edge, in direct contact with a flat phantom, for 10-g extremity SAR according to the body-equivalent tissue dielectric parameters in KDB 865664 to address interactive hand use exposure conditions. The UMPC mini-tablet 1-g SAR at 5 mm is not required. When hotspot mode applies, 10-g extremity SAR is required only for the surfaces and edges with hotspot mode 1-g reported SAR > 1.2 W/kg.

Conclusion:
The EUT hotspot mode 1-g reported SAR is 0.90 W/kg, which is less than 1.2 W/kg, 10 g extremity SAR is not required.

10 TEST RESULT

10.1 GSM 850

Antenna	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1 g Meas SAR (W/Kg)	Meas. Power (dBm)	Max. tune-up Power (dBm)	Scaling Factor	1 g Scaled SAR (W/Kg)	Meas. No.
Head												
Ant.1	DATA 2slots	Left Cheek	0	251	848.8	-0.03	0.121	31.26	32.00	1.186	0.144	/
		Left Tilt	0	251	848.8	0.13	0.095	31.26	32.00	1.186	0.113	/
		Right Cheek	0	251	848.8	0.03	0.272	31.26	32.00	1.186	**0.323**	1#
		Right Tilt	0	251	848.8	0.01	0.082	31.26	32.00	1.186	0.097	/
		Right Cheek	0	190	836.6	0.02	0.235	30.88	32.00	1.296	0.305	/
		Right Cheek	0	128	824.2	0.11	0.241	31.26	32.00	1.186	0.286	/
Body-Wron&Hotspot												
Ant.1	DATA 2slots	Front Side	10	251	848.8	0.08	0.132	31.00	32.00	1.259	**0.166**	2#
		Left Edge	10	251	848.8	0.11	0.074	31.00	32.00	1.259	0.093	/
		Right Edge	10	251	848.8	0.06	0.063	30.88	32.00	1.294	0.082	/
		Bottom Edge	10	251	848.8	-0.13	0.075	31.26	32.00	1.186	0.089	/
		Front Side	10	190	836.6	-0.19	0.113	30.88	32.00	1.296	0.146	/
		Front Side	10	128	824.2	-0.17	0.121	31.26	32.00	1.186	0.144	/
Antenna	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	10 g Meas SAR (W/Kg)	Meas. Power (dBm)	Max. tune-up Power (dBm)	Scaling Factor	10 g Scaled SAR (W/Kg)	Meas. No.
Extremity												
Ant.1	DATA 2slots	Front Side	0	251	848.8	0.00	0.374	31.00	32.00	1.259	**0.471**	3#
		Left Edge	0	251	848.8	-0.10	0.131	31.00	32.00	1.259	0.165	/
		Right Edge	0	251	848.8	-0.14	0.162	30.88	32.00	1.294	0.210	/
		Bottom Edge	0	251	848.8	0.02	0.212	31.26	32.00	1.186	0.251	/
		Front Side	0	190	836.6	0.06	0.335	30.88	32.00	1.296	0.434	/
		Front Side	0	128	824.2	0.11	0.346	31.26	32.00	1.186	0.410	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.												

10.2GSM 1900

Antenna	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1 g Meas SAR (W/Kg)	Meas. Power (dBm)	Max. tune-up Power (dBm)	Scaling Factor	1 g Scaled SAR (W/Kg)	Meas. No.
Head												
Ant.1	DATA 2slots	Left Cheek	0	512	1850.2	-0.14	0.110	26.01	27.00	1.256	**0.138**	4#
		Left Tilt	0	512	1850.2	-0.09	0.051	26.01	27.00	1.256	0.064	/
		Right Cheek	0	512	1850.2	-0.12	0.072	26.01	27.00	1.256	0.090	/
		Right Tilt	0	512	1850.2	-0.14	0.031	26.01	27.00	1.256	0.039	/
		Left Cheek	0	661	1880	-0.02	0.092	25.80	27.00	1.318	0.121	/
		Left Cheek	0	810	1909.8	0.12	0.085	25.79	27.00	1.322	0.112	/
Body-Wron&Hotspot												
Ant.1	DATA 2slots	Front Side	10	512	1850.2	0.06	0.121	26.01	27.00	1.256	0.152	/
		Left Edge	10	512	1850.2	0.06	0.032	26.01	27.00	1.256	0.040	/
		Right Edge	10	512	1850.2	0.05	0.091	26.01	27.00	1.256	0.114	/
		Bottom Edge	10	512	1850.2	0.00	0.228	26.01	27.00	1.256	**0.286**	5#
		Bottom Edge	10	661	1880	-0.15	0.210	25.80	27.00	1.318	0.277	/
		Bottom Edge	10	810	1909.8	-0.18	0.206	25.79	27.00	1.322	0.272	/
Antenna	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	10 g Meas SAR (W/Kg)	Meas. Power (dBm)	Max. tune-up Power (dBm)	Scaling Factor	10 g Scaled SAR (W/Kg)	Meas. No.
Extremity												
Ant.1	DATA 2slots	Front Side	0	512	1850.2	-0.15	0.375	26.01	27.00	1.256	0.471	/
		Left Edge	0	512	1850.2	-0.11	0.090	26.01	27.00	1.256	0.113	/
		Right Edge	0	512	1850.2	-0.04	0.297	26.01	27.00	1.256	0.373	/
		Bottom Edge	0	512	1850.2	0.00	0.656	26.01	27.00	1.256	**0.824**	6#
		Bottom Edge	0	661	1880	-0.05	0.624	25.80	27.00	1.318	0.822	/
		Bottom Edge	0	810	1909.8	0.19	0.618	25.79	27.00	1.322	0.817	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.												

10.3WCDMA Band 2

Antenna	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1 g Meas SAR (W/Kg)	Meas. Power (dBm)	Max. tune-up Power (dBm)	Scaling Factor	1 g Scaled SAR (W/Kg)	Meas. No.
Head												
Ant.1	RMC	Left Cheek	0	9262	1852.4	-0.03	0.143	23.84	24.00	1.038	**0.148**	7#
		Left Tilt	0	9262	1852.4	-0.05	0.062	23.84	24.00	1.038	0.064	/
		Right Cheek	0	9262	1852.4	-0.07	0.121	23.84	24.00	1.038	0.126	/
		Right Tilt	0	9262	1852.4	0.01	0.051	23.84	24.00	1.038	0.053	/
		Left Cheek	0	9400	1880	0.01	0.126	23.73	24.00	1.064	0.134	/
		Left Cheek	0	9538	1907.6	0.13	0.135	23.69	24.00	1.074	0.145	/
Body-Wron&Hotspot												
Ant.1	RMC	Front Side	10	9262	1852.4	-0.10	0.252	23.84	24.00	1.038	0.262	/
		Left Edge	10	9262	1852.4	-0.04	0.085	23.84	24.00	1.038	0.088	/
		Right Edge	10	9262	1852.4	0.04	0.188	23.84	24.00	1.038	0.195	/
		Bottom Edge	10	9262	1852.4	-0.03	0.437	23.84	24.00	1.038	0.454	/
		Bottom Edge	10	9400	1880	0.08	0.421	23.73	24.00	1.064	0.448	/
		Bottom Edge	10	9538	1907.6	-0.02	0.415	23.69	24.00	1.074	**0.446**	8#
Antenna	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	10 g Meas SAR (W/Kg)	Meas. Power (dBm)	Max. tune-up Power (dBm)	Scaling Factor	10 g Scaled SAR (W/Kg)	Meas. No.
Extremity												
Ant.1	RMC	Front Side	0	9262	1852.4	0.12	0.912	23.84	24.00	1.038	0.947	/
		Left Edge	0	9262	1852.4	-0.03	0.244	23.84	24.00	1.038	0.253	/
		Right Edge	0	9262	1852.4	0.09	0.802	23.84	24.00	1.038	0.832	/
		Bottom Edge	0	9262	1852.4	0.00	1.220	23.84	24.00	1.038	**1.266**	9#
		Bottom Edge	0	9400	1880	0.04	1.160	23.73	24.00	1.064	1.234	/
		Bottom Edge	0	9538	1907.6	-0.07	1.130	23.69	24.00	1.074	1.214	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.												

10.4WCDMA Band 4

Antenna	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1 g Meas SAR (W/Kg)	Meas. Power (dBm)	Max. tune-up Power (dBm)	Scaling Factor	1 g Scaled SAR (W/Kg)	Meas. No.
Head												
Ant.1	RMC	Left Cheek	0	1312	1712.4	0.14	0.136	24.65	25.00	1.084	**0.147**	10#
		Left Tilt	0	1312	1712.4	-0.02	0.047	24.65	25.00	1.084	0.051	/
		Right Cheek	0	1312	1712.4	0.07	0.121	24.65	25.00	1.084	0.131	/
		Right Tilt	0	1312	1712.4	0.10	0.037	24.65	25.00	1.084	0.040	/
		Left Cheek	0	1412	1732.4	0.07	0.120	24.43	25.00	1.140	0.137	/
		Left Cheek	0	1513	1752.6	0.14	0.116	24.34	25.00	1.164	0.135	/
Body-Wron&Hotspot												
Ant.1	RMC	Front Side	10	1312	1712.4	-0.04	0.127	24.65	25.00	1.084	0.138	/
		Left Edge	10	1312	1712.4	0.09	0.005	24.65	25.00	1.084	0.005	/
		Right Edge	10	1312	1712.4	-0.15	0.140	24.65	25.00	1.084	0.152	/
		Bottom Edge	10	1312	1712.4	0.00	0.157	24.65	25.00	1.084	**0.170**	11#
		Bottom Edge	10	1412	1732.4	0.00	0.146	24.43	25.00	1.140	0.166	/
		Bottom Edge	10	1513	1752.6	0.09	0.141	24.34	25.00	1.164	0.164	/
Antenna	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1 g Meas SAR (W/Kg)	Meas. Power (dBm)	Max. tune-up Power (dBm)	Scaling Factor	1 g Scaled SAR (W/Kg)	Meas. No.
Extremity												
Ant.1	RMC	Front Side	0	1312	1712.4	-0.06	0.409	24.65	25.00	1.084	0.443	/
		Left Edge	0	1312	1712.4	0.14	0.051	24.65	25.00	1.084	0.055	/
		Right Edge	0	1312	1712.4	-0.13	0.431	24.65	25.00	1.084	0.467	/
		Bottom Edge	0	1312	1712.4	-0.01	0.522	24.65	25.00	1.084	0.566	12#
		Bottom Edge	0	1412	1732.4	-0.04	0.482	24.43	25.00	1.140	0.549	/
		Bottom Edge	0	1513	1752.6	0.17	0.465	24.34	25.00	1.164	0.541	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.												

10.5WCDMA Band 5

Antenna	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1 g Meas SAR (W/Kg)	Meas. Power (dBm)	Max. tune-up Power (dBm)	Scaling Factor	1 g Scaled SAR (W/Kg)	Meas. No.
Head												
Ant.1	RMC	Left Cheek	0	4182	836.4	-0.01	0.105	23.39	24.00	1.151	0.121	/
		Left Tilt	0	4182	836.4	-0.12	0.057	23.39	24.00	1.151	0.066	/
		Right Cheek	0	4182	836.4	0.03	0.155	23.39	24.00	1.151	**0.178**	13#
		Right Tilt	0	4182	836.4	-0.09	0.070	23.39	24.00	1.151	0.081	/
		Right Cheek	0	4132	826.4	-0.14	0.130	23.35	24.00	1.161	0.151	/
		Right Cheek	0	4233	846.6	-0.16	0.135	23.36	24.00	1.159	0.156	/
Body-Wron&Hotspot												
Ant.1	RMC	Front Side	10	4182	836.4	0.00	0.128	23.39	24.00	1.151	**0.147**	14#
		Left Edge	10	4182	836.4	0.05	0.078	23.39	24.00	1.151	0.090	/
		Right Edge	10	4182	836.4	-0.06	0.079	23.39	24.00	1.151	0.091	/
		Bottom Edge	10	4182	836.4	-0.14	0.078	23.39	24.00	1.151	0.090	/
		Front Side	10	4132	826.4	0.18	0.116	23.35	24.00	1.161	0.135	/
		Front Side	10	4233	846.6	0.07	0.112	23.36	24.00	1.159	0.130	/
Antenna	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	10 g Meas SAR (W/Kg)	Meas. Power (dBm)	Max. tune-up Power (dBm)	Scaling Factor	10 g Scaled SAR (W/Kg)	Meas. No.
Extremity												
Ant.1	RMC	Front Side	0	4182	836.4	0.00	0.363	23.39	24.00	1.151	**0.418**	15#
		Left Edge	0	4182	836.4	0.05	0.127	23.39	24.00	1.151	0.146	/
		Right Edge	0	4182	836.4	0.02	0.165	23.39	24.00	1.151	0.190	/
		Bottom Edge	0	4182	836.4	-0.09	0.206	23.39	24.00	1.151	0.237	/
		Front Side	0	4132	826.4	-0.04	0.351	23.35	24.00	1.161	0.408	/
		Front Side	0	4233	846.6	-0.11	0.346	23.36	24.00	1.159	0.401	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.												

10.6 CDMA BC0

Antenna	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1 g Meas SAR (W/Kg)	Meas. Power (dBm)	Max. tune-up Power (dBm)	Scaling Factor	1 g Scaled SAR (W/Kg)	Meas. No.
Head												
Ant.1	1xRTT RC3 SO55	Left Cheek	0	384	836.52	-0.03	0.133	23.31	24.00	1.172	**0.156**	16#
		Left Tilt	0	384	836.52	0.13	0.072	23.31	24.00	1.172	0.084	/
		Right Cheek	0	384	836.52	-0.05	0.094	23.31	24.00	1.172	0.110	/
		Right Tilt	0	384	836.52	-0.08	0.067	23.31	24.00	1.172	0.079	/
		Left Cheek	0	1013	824.7	0.06	0.122	23.24	24.00	1.191	0.145	/
		Left Cheek	0	777	848.31	-0.09	0.119	23.28	24.00	1.180	0.140	/
Body-Wron&Hotspot												
Ant.1	1xRTT RC3 SO55	Front Side	10	384	836.52	-0.01	0.154	23.31	24.00	1.172	**0.180**	17#
		Left Edge	10	384	836.52	0.05	0.094	23.31	24.00	1.172	0.110	/
		Right Edge	10	384	836.52	-0.06	0.095	23.31	24.00	1.172	0.111	/
		Bottom Edge	10	384	836.52	0.00	0.094	23.31	24.00	1.172	0.110	/
		Front Side	10	1013	824.7	0.10	0.135	23.24	24.00	1.191	0.161	/
		Front Side	10	777	848.31	-0.09	0.139	23.28	24.00	1.180	0.164	/
Antenna	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	10 g Meas SAR (W/Kg)	Meas. Power (dBm)	Max. tune-up Power (dBm)	Scaling Factor	10 g Scaled SAR (W/Kg)	Meas. No.
Extremity												
Ant.1	1xRTT RC3 SO55	Front Side	0	384	836.52	0.02	0.443	23.31	24.00	1.172	**0.519**	18#
		Left Edge	0	384	836.52	0.07	0.166	23.31	24.00	1.172	0.195	/
		Right Edge	0	384	836.52	0.12	0.189	23.31	24.00	1.172	0.222	/
		Bottom Edge	0	384	836.52	0.06	0.255	23.31	24.00	1.172	0.299	/
		Front Side	0	1013	824.7	0.18	0.413	23.24	24.00	1.191	0.492	/
		Front Side	0	777	848.31	0.05	0.426	23.28	24.00	1.180	0.503	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.												

10.7 LTE Band 2 (20MHz Bandwidth)

Antenna	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1 g Meas SAR (W/Kg)	Meas. Power (dBm)	Max. tune-up Power (dBm)	Scaling Factor	1 g Scaled SAR (W/Kg)	Meas. No.
Head														
Ant.1	QPSK	Left Cheek	0	19100	1900	1	Mid	0.03	0.140	24.01	24.50	1.119	**0.157**	19#
		Left Tilt	0	19100	1900	1	Mid	-0.13	0.048	24.01	24.50	1.119	0.054	/
		Right Cheek	0	19100	1900	1	Mid	0.10	0.090	24.01	24.50	1.119	0.101	/
		Right Tilt	0	19100	1900	1	Mid	0.05	0.037	24.01	24.50	1.119	0.041	/
		Left Cheek	0	18700	1860	1	Mid	-0.04	0.131	23.96	24.50	1.132	0.148	/
		Left Cheek	0	18900	1880	1	Mid	0.19	0.134	23.98	24.50	1.127	0.151	/
		Left Cheek	0	19100	1900	50	Mid	-0.02	0.094	22.75	23.50	1.189	0.112	/
		Left Tilt	0	19100	1900	50	Mid	-0.15	0.052	22.75	23.50	1.189	0.062	/
		Right Cheek	0	19100	1900	50	Mid	0.07	0.067	22.75	23.50	1.189	0.080	/
		Right Tilt	0	19100	1900	50	Mid	-0.10	0.034	22.75	23.50	1.189	0.040	/
Body-Wron&Hotspot														
Ant.1	QPSK	Front Side	10	19100	1900	1	Mid	-0.04	0.260	24.01	24.50	1.119	0.291	/
		Left Edge	10	19100	1900	1	Mid	0.00	0.076	24.01	24.50	1.119	0.085	/
		Right Edge	10	19100	1900	1	Mid	0.10	0.179	24.01	24.50	1.119	0.200	/
		Bottom Edge	10	19100	1900	1	Mid	-0.02	0.433	24.01	24.50	1.119	**0.485**	20#
		Bottom Edge	10	18700	1860	1	Mid	0.11	0.421	23.96	24.50	1.132	0.477	/
		Bottom Edge	10	18900	1880	1	Mid	-0.17	0.426	23.98	24.50	1.127	0.480	/
		Front Side	10	19100	1900	50	Mid	0.12	0.197	22.75	23.50	1.189	0.234	/
		Left Edge	10	19100	1900	50	Mid	-0.08	0.061	22.75	23.50	1.189	0.073	/
		Right Edge	10	19100	1900	50	Mid	-0.09	0.140	22.75	23.50	1.189	0.166	/
		Bottom Edge	10	19100	1900	50	Mid	-0.11	0.399	22.75	23.50	1.189	0.474	/
Antenna	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	10 g Meas SAR (W/Kg)	Meas. Power (dBm)	Max. tune-up Power (dBm)	Scaling Factor	10 g Scaled SAR (W/Kg)	Meas. No.
Extremity														
Ant.1	QPSK	Front Side	0	19100	1900	1	Mid	0.04	0.728	24.01	24.50	1.119	0.815	/
		Left Edge	0	19100	1900	1	Mid	-0.03	0.177	24.01	24.50	1.119	0.198	/
		Right Edge	0	19100	1900	1	Mid	-0.11	0.543	24.01	24.50	1.119	0.608	/
		Bottom Edge	0	19100	1900	1	Mid	-0.04	1.130	24.01	24.50	1.119	**1.264**	21#
		Bottom Edge	0	18700	1860	1	Mid	0.01	1.010	23.96	24.50	1.132	1.143	/
		Bottom Edge	0	18900	1880	1	Mid	0.11	1.050	23.98	24.50	1.127	1.183	/
		Front Side	0	19100	1900	50	Mid	0.09	0.562	22.75	23.50	1.189	0.668	/
		Left Edge	0	19100	1900	50	Mid	0.03	0.151	22.75	23.50	1.189	0.180	/
		Right Edge	0	19100	1900	50	Mid	-0.05	0.441	22.75	23.50	1.189	0.524	/

		Bottom Edge	0	19100	1900	50	Mid	-0.07	0.912	22.75	23.50	1.189	1.084	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.														

10.8 LTE Band 4 (20MHz Bandwidth)

Antenna	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1 g Meas SAR (W/Kg)	Meas. Power (dBm)	Max. tune-up Power (dBm)	Scaling Factor	1 g Scaled SAR (W/Kg)	Meas. No.
Head														
Ant.1	QPSK	Left Cheek	0	20300	1745	1	Mid	0.07	0.138	24.64	25.00	1.086	**0.150**	22#
		Left Tilt	0	20300	1745	1	Mid	0.14	0.048	24.64	25.00	1.086	0.052	/
		Right Cheek	0	20300	1745	1	Mid	-0.06	0.107	24.64	25.00	1.086	0.116	/
		Right Tilt	0	20300	1745	1	Mid	0.00	0.032	24.64	25.00	1.086	0.035	/
		Left Cheek	0	20050	1720	1	Mid	-0.10	0.124	24.51	25.00	1.119	0.139	/
		Left Cheek	0	20175	1732.5	1	Mid	-0.08	0.126	24.59	25.00	1.099	0.138	/
		Left Cheek	0	20300	1745	50	Low	-0.02	0.124	23.31	24.00	1.172	0.145	/
		Left Tilt	0	20300	1745	50	Low	-0.03	0.039	23.31	24.00	1.172	0.046	/
		Right Cheek	0	20300	1745	50	Low	0.07	0.084	23.31	24.00	1.172	0.098	/
		Left Cheek	0	20300	1745	50	Low	-0.02	0.021	23.31	24.00	1.172	0.025	/
Body-Wron&Hotspot														
Ant.1	QPSK	Front Side	10	20300	1745	1	Mid	-0.05	0.151	24.64	25.00	1.086	0.164	/
		Left Edge	10	20300	1745	1	Mid	0.03	0.045	24.64	25.00	1.086	0.049	/
		Right Edge	10	20300	1745	1	Mid	-0.11	0.148	24.64	25.00	1.086	0.161	/
		Bottom Edge	10	20300	1745	1	Mid	0.07	0.165	24.64	25.00	1.086	**0.179**	23#
		Bottom Edge	10	20050	1720	1	Mid	-0.15	0.152	24.51	25.00	1.119	0.170	/
		Bottom Edge	10	20175	1732.5	1	Mid	0.03	0.154	24.59	25.00	1.099	0.169	/
		Front Side	10	20300	1745	50	Low	-0.10	0.126	23.31	24.00	1.172	0.148	/
		Left Edge	10	20300	1745	50	Low	0.00	0.039	23.31	24.00	1.172	0.046	/
		Right Edge	10	20300	1745	50	Low	-0.12	0.122	23.31	24.00	1.172	0.143	/
		Bottom Edge	10	20300	1745	50	Low	-0.15	0.124	23.31	24.00	1.172	0.145	/
Antenna	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	10 g Meas SAR (W/Kg)	Meas. Power (dBm)	Max. tune-up Power (dBm)	Scaling Factor	10 g Scaled SAR (W/Kg)	Meas. No.
Extremity														
Ant.1	QPSK	Front Side	0	20300	1745	1	Mid	-0.12	0.611	24.64	25.00	1.086	0.664	/
		Left Edge	0	20300	1745	1	Mid	0.02	0.079	24.64	25.00	1.086	0.086	/
		Right Edge	0	20300	1745	1	Mid	0.01	0.621	24.64	25.00	1.086	0.674	/
		Bottom Edge	0	20300	1745	1	Mid	0.00	0.629	24.64	25.00	1.086	**0.683**	24#
		Bottom Edge	0	20050	1720	1	Mid	0.10	0.603	24.51	25.00	1.119	0.675	/
		Bottom Edge	0	20175	1732.5	1	Mid	-0.05	0.613	24.59	25.00	1.099	0.674	/
		Front Side	0	20175	1732.5	50	Low	0.02	0.492	23.31	24.00	1.172	0.577	/
		Left Edge	0	20175	1732.5	50	Low	-0.06	0.066	23.31	24.00	1.172	0.077	/
		Right Edge	0	20175	1732.5	50	Low	0.07	0.522	23.31	24.00	1.172	0.612	/

		Bottom Edge	0	20175	1732.5	50	Low	0.15	0.534	23.31	24.00	1.172	0.626	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.														

10.9 LTE Band 5 (10MHz Bandwidth)

Antenna	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1 g Meas SAR (W/Kg)	Meas. Power (dBm)	Max. tune-up Power (dBm)	Scaling Factor	1 g Scaled SAR (W/Kg)	Meas. No.
Head														
Ant.1	QPSK	Left Cheek	0	20525	836.5	1	Mid	-0.06	0.123	23.09	23.50	1.099	0.135	/
		Left Tilt	0	20525	836.5	1	Mid	0.05	0.073	23.09	23.50	1.099	0.080	/
		Right Cheek	0	20525	836.5	1	Mid	-0.14	0.159	23.09	23.50	1.099	**0.175**	25#
		Right Tilt	0	20525	836.5	1	Mid	-0.01	0.090	23.09	23.50	1.099	0.099	/
		Right Cheek	0	20450	829	1	Mid	-0.09	0.142	22.99	23.50	1.125	0.160	/
		Right Cheek	0	20600	844	1	Mid	-0.13	0.151	23.02	23.50	1.117	0.169	/
		Left Cheek	0	20525	836.5	25	Mid	0.00	0.107	22.03	22.50	1.114	0.119	/
		Left Tilt	0	20525	836.5	25	Mid	-0.02	0.064	22.03	22.50	1.114	0.071	/
		Right Cheek	0	20525	836.5	25	Mid	0.13	0.146	22.03	22.50	1.114	0.163	/
		Right Tilt	0	20525	836.5	25	Mid	-0.05	0.075	22.03	22.50	1.114	0.084	/
Body-Wron&Hotspot														
Ant.1	QPSK	Front Side	10	20525	836.5	1	Mid	-0.13	0.122	23.09	23.50	1.099	**0.134**	26#
		Left Edge	10	20525	836.5	1	Mid	-0.01	0.089	23.09	23.50	1.099	0.098	/
		Right Edge	10	20525	836.5	1	Mid	0.07	0.050	23.09	23.50	1.099	0.055	/
		Bottom Edge	10	20525	836.5	1	Mid	-0.09	0.075	23.09	23.50	1.099	0.082	/
		Front Side	10	20450	829	1	Mid	-0.08	0.105	22.99	23.50	1.125	0.118	/
		Front Side	10	20600	844	1	Mid	0.08	0.109	23.02	23.50	1.117	0.122	/
		Front Side	10	20525	836.5	25	Mid	-0.07	0.100	22.03	22.50	1.114	0.111	/
		Left Edge	10	20525	836.5	25	Mid	0.03	0.072	22.03	22.50	1.114	0.080	/
		Right Edge	10	20525	836.5	25	Mid	0.03	0.040	22.03	22.50	1.114	0.045	/
		Bottom Edge	10	20525	836.5	25	Mid	0.05	0.059	22.03	22.50	1.114	0.066	/
Antenna	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	10 g Meas SAR (W/Kg)	Meas. Power (dBm)	Max. tune-up Power (dBm)	Scaling Factor	10 g Scaled SAR (W/Kg)	Meas. No.
Extremity														
Ant.1	QPSK	Front Side	0	20525	836.5	1	Mid	-0.11	0.379	23.09	23.50	1.099	**0.417**	27#
		Left Edge	0	20525	836.5	1	Mid	0.00	0.115	23.09	23.50	1.099	0.126	/
		Right Edge	0	20525	836.5	1	Mid	-0.09	0.152	23.09	23.50	1.099	0.167	/
		Bottom Edge	0	20525	836.5	1	Mid	0.02	0.206	23.09	23.50	1.099	0.226	/
		Front Side	0	20450	829	1	Mid	0.06	0.361	22.99	23.50	1.125	0.406	/
		Front Side	0	20600	844	1	Mid	-0.18	0.364	23.02	23.50	1.117	0.407	/
		Front Side	0	20525	836.5	25	Mid	0.12	0.286	22.03	22.50	1.114	0.319	/
		Left Edge	0	20525	836.5	25	Mid	-0.03	0.095	22.03	22.50	1.114	0.106	/
		Right Edge	0	20525	836.5	25	Mid	-0.14	0.123	22.03	22.50	1.114	0.137	/

		Bottom Edge	0	20525	836.5	25	Mid	-0.02	0.170	22.03	22.50	1.114	0.189	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.														

10.10 LTE Band 7 (20MHz Bandwidth)

Antenna	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1 g Meas SAR (W/Kg)	Meas. Power (dBm)	Max. tune-up Power (dBm)	Scaling Factor	1 g Scaled SAR (W/Kg)	Meas. No.
Head														
Ant.1	QPSK	Left Cheek	0	21100	2535	1	Mid	0.06	0.102	23.74	24.00	1.062	**0.108**	28#
		Left Tilt	0	21100	2535	1	Mid	-0.15	0.071	23.74	24.00	1.062	0.075	/
		Right Cheek	0	21100	2535	1	Mid	0.02	0.057	23.74	24.00	1.062	0.061	/
		Right Tilt	0	21100	2535	1	Mid	0.12	0.043	23.74	24.00	1.062	0.046	/
		Left Cheek	0	20850	2510	1	Low	-0.09	0.092	23.63	24.00	1.089	0.100	/
		Left Cheek	0	21350	2560	1	Mid	0.12	0.094	23.63	24.00	1.089	0.102	/
		Left Cheek	0	21100	2535	50	Mid	0.03	0.085	22.48	23.00	1.127	0.096	/
		Left Tilt	0	21100	2535	50	Mid	-0.04	0.063	22.48	23.00	1.127	0.071	/
		Right Cheek	0	21100	2535	50	Mid	-0.04	0.044	22.48	23.00	1.127	0.050	/
		Right Tilt	0	21100	2535	50	Mid	-0.11	0.031	22.48	23.00	1.127	0.035	/
Body-Wron&Hotspot														
Ant.1	QPSK	Front Side	10	21100	2535	1	Mid	0.15	0.258	23.74	24.00	1.062	0.274	/
		Left Edge	10	21100	2535	1	Mid	-0.11	0.092	23.74	24.00	1.062	0.098	/
		Right Edge	10	21100	2535	1	Mid	-0.06	0.282	23.74	24.00	1.062	0.299	/
		Bottom Edge	10	21100	2535	1	Mid	-0.01	0.847	23.74	24.00	1.062	**0.900**	29#
		Front Side	10	21100	2535	50	Mid	-0.11	0.218	22.48	23.00	1.127	0.246	/
		Left Edge	10	21100	2535	50	Mid	-0.11	0.076	22.48	23.00	1.127	0.086	/
		Right Edge	10	21100	2535	50	Mid	-0.03	0.210	22.48	23.00	1.127	0.237	/
		Bottom Edge	10	21100	2535	50	Mid	-0.06	0.724	22.48	23.00	1.127	0.816	/
		Bottom Edge	10	20850	2510	1	Low	-0.07	0.802	23.63	24.00	1.089	0.873	/
		Bottom Edge	10	21350	2560	1	Mid	0.03	0.788	23.63	24.00	1.089	0.858	/
		Bottom Edge	10	20850	2510	50	Low	0.19	0.756	22.47	23.00	1.130	0.854	/
		Bottom Edge	10	21350	2560	50	Low	0.07	0.734	22.33	23.00	1.167	0.857	/
		Bottom Edge	10	21100	2535	100	Low	-0.09	0.702	22.50	23.00	1.122	0.788	/
Antenna	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	10 g Meas SAR (W/Kg)	Meas. Power (dBm)	Max. tune-up Power (dBm)	Scaling Factor	10 g Scaled SAR (W/Kg)	Meas. No.
Extremity														
Ant.1	QPSK	Front Side	0	21100	2535	1	Mid	0.12	0.583	23.74	24.00	1.062	0.619	/
		Left Edge	0	21100	2535	1	Mid	-0.07	0.170	23.74	24.00	1.062	0.181	/
		Right Edge	0	21100	2535	1	Mid	-0.02	1.040	23.74	24.00	1.062	1.104	/
		Bottom Edge	0	21100	2535	1	Mid	0.04	1.860	23.74	24.00	1.062	**1.975**	30#
		Bottom Edge	0	20850	2510	1	Low	-0.03	1.670	23.63	24.00	1.089	1.819	/
		Bottom Edge	0	21350	2560	1	Mid	-0.01	1.720	23.63	24.00	1.089	1.873	/

		Front Side	0	21100	2535	50	Mid	0.09	0.465	22.48	23.00	1.127	0.524	/
		Left Edge	0	21100	2535	50	Mid	0.13	0.139	22.48	23.00	1.127	0.157	/
		Right Edge	0	21100	2535	50	Mid	-0.02	0.864	22.48	23.00	1.127	0.974	/
		Bottom Edge	0	21100	2535	50	Mid	0.00	1.610	22.48	23.00	1.127	1.814	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.														

10.11 LTE Band 12 (10MHz Bandwidth)

Antenna	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1 g Meas SAR (W/Kg)	Meas. Power (dBm)	Max. tune-up Power (dBm)	Scaling Factor	1 g Scaled SAR (W/Kg)	Meas. No.
Head														
Ant.1	QPSK	Left Cheek	0	23095	707.5	1	Mid	-0.08	0.110	23.67	24.00	1.079	0.119	/
		Left Tilt	0	23095	707.5	1	Mid	-0.05	0.032	23.67	24.00	1.079	0.035	/
		Right Cheek	0	23095	707.5	1	Mid	0.00	0.125	23.67	24.00	1.079	**0.135**	31#
		Right Tilt	0	23095	707.5	1	Mid	-0.15	0.048	23.67	24.00	1.079	0.052	/
		Right Cheek	0	23060	704	1	Mid	0.16	0.113	23.43	24.00	1.140	0.129	/
		Right Cheek	0	23130	711	1	Mid	0.04	0.107	23.55	24.00	1.109	0.119	/
		Left Cheek	0	23095	707.5	25	Low	-0.08	0.100	22.26	23.00	1.186	0.119	/
		Left Tilt	0	23095	707.5	25	Low	0.05	0.025	22.26	23.00	1.186	0.030	/
		Right Cheek	0	23095	707.5	25	Low	0.07	0.112	22.26	23.00	1.186	0.133	/
		Right Tilt	0	23095	707.5	25	Low	0.04	0.038	22.26	23.00	1.186	0.045	/
Body-Wron&Hotspot														
Ant.1	QPSK	Front Side	10	23095	707.5	1	Mid	0.02	0.088	23.67	24.00	1.079	**0.095**	32#
		Left Edge	10	23095	707.5	1	Mid	0.03	0.057	23.67	24.00	1.079	0.062	/
		Right Edge	10	23095	707.5	1	Mid	-0.05	0.049	23.67	24.00	1.079	0.053	/
		Bottom Edge	10	23095	707.5	1	Mid	-0.01	0.065	23.67	24.00	1.079	0.070	/
		Front Side	10	23060	704	1	Mid	0.17	0.072	23.43	24.00	1.140	0.082	/
		Front Side	10	23130	711	1	Mid	-0.04	0.075	23.55	24.00	1.109	0.083	/
		Front Side	10	23095	707.5	25	Low	0.03	0.079	22.26	23.00	1.186	0.094	/
		Left Edge	10	23095	707.5	25	Low	-0.03	0.047	22.26	23.00	1.186	0.056	/
		Right Edge	10	23095	707.5	25	Low	0.11	0.033	22.26	23.00	1.186	0.039	/
		Bottom Edge	10	23095	707.5	25	Low	-0.03	0.058	22.26	23.00	1.186	0.069	/
Antenna	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	10 g Meas SAR (W/Kg)	Meas. Power (dBm)	Max. tune-up Power (dBm)	Scaling Factor	10 g Scaled SAR (W/Kg)	Meas. No.
Extremity														
Ant.1	QPSK	Front Side	0	23095	707.5	1	Mid	0.00	0.231	23.67	24.00	1.079	**0.249**	33#
		Left Edge	0	23095	707.5	1	Mid	-0.07	0.085	23.67	24.00	1.079	0.092	/
		Right Edge	0	23095	707.5	1	Mid	-0.04	0.122	23.67	24.00	1.079	0.132	/
		Bottom Edge	0	23095	707.5	1	Mid	-0.09	0.155	23.67	24.00	1.079	0.167	/
		Front Side	0	23060	704	1	Mid	0.13	0.211	23.43	24.00	1.140	0.241	/
		Front Side	0	23130	711	1	Mid	0.06	0.219	23.55	24.00	1.109	0.243	/
		Front Side	0	23095	707.5	25	Low	-0.02	0.208	22.26	23.00	1.186	0.247	/
		Left Edge	0	23095	707.5	25	Low	0.10	0.069	22.26	23.00	1.186	0.082	/
		Right Edge	0	23095	707.5	25	Low	0.14	0.114	22.26	23.00	1.186	0.135	/

		Bottom Edge	0	23095	707.5	25	Low	0.13	0.130	22.26	23.00	1.186	0.154	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.														

10.12 LTE Band 13 (10MHz Bandwidth)

Antenna	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1 g Meas SAR (W/Kg)	Meas. Power (dBm)	Max. tune-up Power (dBm)	Scaling Factor	1 g Scaled SAR (W/Kg)	Meas. No.
Head														
Ant.1	QPSK	Left Cheek	0	23230	782	1	Mid	-0.15	0.134	23.36	24.00	1.159	0.155	/
		Left Tilt	0	23230	782	1	Mid	0.05	0.075	23.36	24.00	1.159	0.087	/
		Right Cheek	0	23230	782	1	Mid	0.07	0.167	23.36	24.00	1.159	**0.194**	34#
		Right Tilt	0	23230	782	1	Mid	-0.01	0.084	23.36	24.00	1.159	0.097	/
		Left Cheek	0	23230	782	25	Low	-0.13	0.115	22.07	23.00	1.239	0.142	/
		Left Tilt	0	23230	782	25	Low	-0.15	0.063	22.07	23.00	1.239	0.078	/
		Right Cheek	0	23230	782	25	Low	-0.06	0.135	22.07	23.00	1.239	0.167	/
		Right Tilt	0	23230	782	25	Low	-0.08	0.070	22.07	23.00	1.239	0.087	/
Body-Wron&Hotspot														
Ant.1	QPSK	Front Side	10	23230	782	1	Mid	-0.03	0.109	23.36	24.00	1.159	**0.126**	35#
		Left Edge	10	23230	782	1	Mid	-0.10	0.066	23.36	24.00	1.159	0.076	/
		Right Edge	10	23230	782	1	Mid	0.04	0.065	23.36	24.00	1.159	0.075	/
		Bottom Edge	10	23230	782	1	Mid	-0.04	0.064	23.36	24.00	1.159	0.074	/
		Front Side	10	23230	782	25	Low	0.05	0.090	22.07	23.00	1.239	0.112	/
		Left Edge	10	23230	782	25	Low	-0.06	0.051	22.07	23.00	1.239	0.063	/
		Right Edge	10	23230	782	25	Low	0.10	0.049	22.07	23.00	1.239	0.061	/
		Bottom Edge	10	23230	782	25	Low	0.10	0.053	22.07	23.00	1.239	0.066	/
Antenna	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	10 g Meas SAR (W/Kg)	Meas. Power (dBm)	Max. tune-up Power (dBm)	Scaling Factor	10 g Scaled SAR (W/Kg)	Meas. No.
Extremity														
Ant.1	QPSK	Front Side	0	23230	782	1	Mid	-0.01	0.313	23.36	24.00	1.159	**0.363**	36#
		Left Edge	0	23230	782	1	Mid	0.03	0.161	23.36	24.00	1.159	0.187	/
		Right Edge	0	23230	782	1	Mid	-0.06	0.238	23.36	24.00	1.159	0.276	/
		Bottom Edge	0	23230	782	1	Mid	0.10	0.264	23.36	24.00	1.159	0.306	/
		Front Side	0	23230	782	25	Low	0.08	0.288	22.07	23.00	1.239	0.357	/
		Left Edge	0	23230	782	25	Low	-0.15	0.120	22.07	23.00	1.239	0.149	/
		Right Edge	0	23230	782	25	Low	0.14	0.194	22.07	23.00	1.239	0.240	/
		Bottom Edge	0	23230	782	25	Low	0.12	0.192	22.07	23.00	1.239	0.238	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.														

10.13 LTE Band 17 (10MHz Bandwidth)

Antenna	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1 g Meas SAR (W/Kg)	Meas. Power (dBm)	Max. tune-up Power (dBm)	Scaling Factor	1 g Scaled SAR (W/Kg)	Meas. No.
Head														
Ant.1	QPSK	Left Cheek	0	23780	709	1	Low	0.08	0.126	23.31	24.00	1.172	0.148	/
		Left Tilt	0	23780	709	1	Low	0.06	0.063	23.31	24.00	1.172	0.074	/
		Right Cheek	0	23780	709	1	Low	0.04	0.139	23.31	24.00	1.172	**0.163**	37#
		Right Tilt	0	23780	709	1	Low	0.03	0.078	23.31	24.00	1.172	0.091	/
		Right Cheek	0	23790	710	1	Mid	0.11	0.124	23.20	24.00	1.202	0.149	/
		Right Cheek	0	23800	711	1	Mid	-0.04	0.127	23.16	24.00	1.213	0.154	/
		Left Cheek	0	23780	709	25	High	0.02	0.106	22.15	23.00	1.216	0.129	/
		Left Tilt	0	23780	709	25	High	-0.06	0.051	22.15	23.00	1.216	0.062	/
		Right Cheek	0	23780	709	25	High	-0.08	0.123	22.15	23.00	1.216	0.150	/
		Right Tilt	0	23780	709	25	High	0.07	0.063	22.15	23.00	1.216	0.077	/
Body-Wron&Hotspot														
Ant.1	QPSK	Front Side	10	23780	709	1	Low	-0.03	0.095	23.31	24.00	1.172	**0.111**	38#
		Left Edge	10	23780	709	1	Low	-0.15	0.052	23.31	24.00	1.172	0.061	/
		Right Edge	10	23780	709	1	Low	-0.08	0.042	23.31	24.00	1.172	0.049	/
		Bottom Edge	10	23780	709	1	Low	0.13	0.056	23.31	24.00	1.172	0.066	/
		Front Side	10	23790	710	1	Mid	-0.13	0.082	23.20	24.00	1.202	0.099	/
		Front Side	10	23800	711	1	Mid	0.02	0.086	23.16	24.00	1.213	0.104	/
		Front Side	10	23780	709	25	High	0.07	0.073	22.15	23.00	1.216	0.089	/
		Left Edge	10	23780	709	25	High	0.15	0.042	22.15	23.00	1.216	0.051	/
		Right Edge	10	23780	709	25	High	-0.01	0.036	22.15	23.00	1.216	0.044	/
		Bottom Edge	10	23780	709	25	High	-0.03	0.042	22.15	23.00	1.216	0.051	/
Antenna	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	10 g Meas SAR (W/Kg)	Meas. Power (dBm)	Max. tune-up Power (dBm)	Scaling Factor	10 g Scaled SAR (W/Kg)	Meas. No.
Extremity														
Ant.1	QPSK	Front Side	0	23780	709	1	Low	0.00	0.248	23.31	24.00	1.172	**0.291**	39#
		Left Edge	0	23780	709	1	Low	0.09	0.085	23.31	24.00	1.172	0.100	/
		Right Edge	0	23780	709	1	Low	-0.05	0.133	23.31	24.00	1.172	0.156	/
		Bottom Edge	0	23780	709	1	Low	0.14	0.182	23.31	24.00	1.172	0.213	/
		Front Side	0	23790	710	1	Mid	0.10	0.231	23.20	24.00	1.202	0.278	/
		Front Side	0	23800	711	1	Mid	-0.09	0.236	23.16	24.00	1.213	0.286	/
		Front Side	0	23780	709	25	High	0.02	0.217	22.15	23.00	1.216	0.264	/
		Left Edge	0	23780	709	25	High	0.05	0.072	22.15	23.00	1.216	0.088	/
		Right Edge	0	23780	709	25	High	0.00	0.119	22.15	23.00	1.216	0.145	/

		Bottom Edge	0	23780	709	25	High	0.00	0.160	22.15	23.00	1.216	0.195	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.														

10.14 LTE Band 38 (20MHz Bandwidth)

Antenna	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1 g Meas SAR (W/Kg)	Meas. Power (dBm)	Max. tune-up Power (dBm)	Scaling Factor	1 g Scaled SAR (W/Kg)	Meas. No.
Head														
Ant.1	QPSK	Left Cheek	0	38000	2595	1	Mid	-0.01	0.056	22.77	23.00	1.054	**0.059**	40#
		Left Tilt	0	38000	2595	1	Mid	-0.08	0.032	22.77	23.00	1.054	0.034	/
		Right Cheek	0	38000	2595	1	Mid	-0.13	0.044	22.77	23.00	1.054	0.046	/
		Right Tilt	0	38000	2595	1	Mid	0.01	0.021	22.77	23.00	1.054	0.022	/
		Left Cheek	0	37850	2580	1	Mid	-0.05	0.041	22.40	23.00	1.148	0.047	/
		Left Cheek	0	38150	2610	1	Mid	0.12	0.043	22.39	23.00	1.151	0.049	/
		Left Cheek	0	38000	2595	50	Mid	-0.12	0.050	21.83	22.00	1.040	0.052	/
		Left Tilt	0	38000	2595	50	Mid	-0.15	0.028	21.83	22.00	1.040	0.029	/
		Right Cheek	0	38000	2595	50	Mid	0.07	0.036	21.83	22.00	1.040	0.037	/
		Right Tilt	0	38000	2595	50	Mid	-0.11	0.019	21.83	22.00	1.040	0.020	/
Body-Wron&Hotspot														
Ant.1	QPSK	Front Side	10	38000	2595	1	Mid	-0.03	0.133	22.77	23.00	1.054	0.140	/
		LeftEdge	10	38000	2595	1	Mid	0.00	0.016	22.77	23.00	1.054	0.017	/
		Right Edge	10	38000	2595	1	Mid	0.09	0.108	22.77	23.00	1.054	0.114	/
		Bottom Edge	10	38000	2595	1	Mid	0.02	0.285	22.77	23.00	1.054	**0.300**	41#
		Bottom Edge	10	37850	2580	1	Mid	0.10	0.260	22.40	23.00	1.148	0.298	/
		Bottom Edge	10	38150	2610	1	Mid	0.07	0.253	22.39	23.00	1.151	0.291	/
		Front Side	10	38000	2595	50	High	0.15	0.142	21.83	22.00	1.040	0.148	/
		Left Edge	10	38000	2595	50	High	0.13	0.011	21.83	22.00	1.040	0.011	/
		Right Edge	10	38000	2595	50	High	0.04	0.108	21.83	22.00	1.040	0.112	/
		Bottom Edge	10	38000	2595	50	High	-0.14	0.250	21.83	22.00	1.040	0.260	/
Antenna	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	10 g Meas SAR (W/Kg)	Meas. Power (dBm)	Max. tune-up Power (dBm)	Scaling Factor	10 g Scaled SAR (W/Kg)	Meas. No.
Extremity														
Ant.1	QPSK	Front Side	0	38000	2595	1	Mid	0.03	0.234	22.77	23.00	1.054	0.247	/
		LeftEdge	0	38000	2595	1	Mid	0.06	0.066	22.77	23.00	1.054	0.070	/
		Right Edge	0	38000	2595	1	Mid	0.04	0.374	22.77	23.00	1.054	0.394	/
		Bottom Edge	0	38000	2595	1	Mid	0.02	0.480	22.77	23.00	1.054	**0.506**	42#
		Bottom Edge	0	37850	2580	1	Mid	-0.11	0.431	22.40	23.00	1.148	0.495	/
		Bottom Edge	0	38150	2610	1	Mid	0.09	0.427	22.39	23.00	1.151	0.491	/
		Front Side	0	38000	2595	50	High	-0.06	0.245	21.83	22.00	1.040	0.255	/
		Left Edge	0	38000	2595	50	High	-0.13	0.071	21.83	22.00	1.040	0.074	/
		Right Edge	0	38000	2595	50	High	0.00	0.390	21.83	22.00	1.040	0.406	/

		Bottom Edge	0	38000	2595	50	High	0.10	0.456	21.83	22.00	1.040	0.474	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.														

10.15 LTE Band 41 (20MHz Bandwidth)

Antenna	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1 g Meas SAR (W/Kg)	Meas. Power (dBm)	Max. tune-up Power (dBm)	Scaling Factor	1 g Scaled SAR (W/Kg)	Meas. No.
Head														
Ant.1	QPSK	Left Cheek	0	40740	2605	1	Mid	0.01	0.089	23.29	23.50	1.050	**0.093**	43#
		Left Tilt	0	40740	2605	1	Mid	0.06	0.039	23.29	23.50	1.050	0.041	/
		Right Cheek	0	40740	2605	1	Mid	0.02	0.043	23.29	23.50	1.050	0.045	/
		Right Tilt	0	40740	2605	1	Mid	-0.11	0.025	23.29	23.50	1.050	0.026	/
		Left Cheek	0	40340	2565	1	Mid	-0.13	0.071	22.95	23.50	1.134	0.081	/
		Left Cheek	0	41140	2645	1	High	0.13	0.068	22.90	23.50	1.148	0.078	/
		Left Cheek	0	40740	2605	50	Mid	-0.06	0.072	21.81	22.50	1.172	0.084	/
		Left Tilt	0	40740	2605	50	Mid	-0.09	0.031	21.81	22.50	1.172	0.036	/
		Right Cheek	0	40740	2605	50	Mid	-0.04	0.045	21.81	22.50	1.172	0.053	/
		Right Tilt	0	40740	2605	50	Mid	0.12	0.022	21.81	22.50	1.172	0.026	/
Body-Wron&Hotspot														
Ant.1	QPSK	Front Side	10	40740	2605	1	Mid	0.05	0.183	23.29	23.50	1.050	0.192	/
		LeftEdge	10	40740	2605	1	Mid	0.12	0.055	23.29	23.50	1.050	0.058	/
		Right Edge	10	40740	2605	1	Mid	-0.02	0.130	23.29	23.50	1.050	0.137	/
		Bottom Edge	10	40740	2605	1	Mid	-0.02	0.318	23.29	23.50	1.050	**0.334**	44#
		Bottom Edge	10	40340	2565	1	Mid	-0.03	0.293	22.95	23.50	1.134	0.332	/
		Bottom Edge	10	41140	2645	1	High	0.17	0.281	22.90	23.50	1.148	0.323	/
		Front Side	10	40740	2605	50	Mid	-0.07	0.151	23.29	23.50	1.050	0.159	/
		Left Edge	10	40740	2605	50	Mid	0.05	0.039	21.81	22.50	1.172	0.046	/
		Right Edge	10	40740	2605	50	Mid	-0.05	0.107	21.81	22.50	1.172	0.125	/
		Bottom Edge	10	40740	2605	50	Mid	-0.07	0.261	21.81	22.50	1.172	0.306	/
Antenna	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	10 g Meas SAR (W/Kg)	Meas. Power (dBm)	Max. tune-up Power (dBm)	Scaling Factor	10 g Scaled SAR (W/Kg)	Meas. No.
Extremity														
Ant.1	QPSK	Front Side	0	40740	2605	1	Mid	0.12	0.264	23.29	23.50	1.050	0.277	/
		LeftEdge	0	40740	2605	1	Mid	-0.10	0.075	23.29	23.50	1.050	0.079	/
		Right Edge	0	40740	2605	1	Mid	-0.02	0.418	23.29	23.50	1.050	0.439	/
		Bottom Edge	0	40740	2605	1	Mid	-0.02	0.538	23.29	23.50	1.050	**0.565**	45#
		Bottom Edge	0	40340	2565	1	Mid	0.05	0.491	22.95	23.50	1.134	0.557	/
		Bottom Edge	0	41140	2645	1	High	0.18	0.485	22.90	23.50	1.148	0.557	/
		Front Side	0	40740	2605	50	Mid	-0.10	0.221	21.81	22.50	1.172	0.259	/
		Left Edge	0	40740	2605	50	Mid	-0.10	0.062	21.81	22.50	1.172	0.073	/
		Right Edge	0	40740	2605	50	Mid	-0.01	0.363	21.81	22.50	1.172	0.425	/

		Bottom Edge	0	40740	2605	50	Mid	0.11	0.431	21.81	22.50	1.172	0.505	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.														

10.16 WIFI 2.4GHz

Antenna	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1 g Meas SAR (W/Kg)	Meas. Power (dBm)	Max. tune-up Power (dBm)	Scaling Factor	Duty Cycle (%)	Duty Cycle Factor	1 g Scaled SAR (W/Kg)	Meas. No.
Head														
Ant.2	802.11b	Left Cheek	0	1	2412	0.00	0.453	18.86	19.00	1.033	98.80	1.012	0.474	/
		Left Tilt	0	1	2412	-0.11	0.340	18.86	19.00	1.033	98.80	1.012	0.355	/
		Right Cheek	0	1	2412	-0.02	0.268	18.86	19.00	1.033	98.80	1.012	0.280	/
		Right Tilt	0	1	2412	0.16	0.195	18.86	19.00	1.033	98.80	1.012	0.204	/
		Left Cheek	0	6	2437	0.11	0.506	18.44	19.00	1.138	98.80	1.012	0.583	/
		Left Cheek	0	11	2462	0.00	0.584	18.47	19.00	1.130	98.80	1.012	**0.668**	46#
Body-Wron&Hotspot														
Ant.2	802.11b	Front Side	10	1	2412	0.01	0.126	18.86	19.00	1.033	98.80	1.012	0.132	/
		Left Edge	10	1	2412	0.07	0.115	18.86	19.00	1.033	98.80	1.012	0.120	/
		Top Edge	10	1	2412	0.08	0.047	18.86	19.00	1.033	98.80	1.012	0.049	/
		Front Side	10	6	2437	-0.14	0.133	18.44	19.00	1.138	98.80	1.012	0.153	/
		Front Side	10	11	2462	0.05	0.147	18.47	19.00	1.130	98.80	1.012	**0.168**	47#
Antenna	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	10 g Meas SAR (W/Kg)	Meas. Power (dBm)	Max. tune-up Power (dBm)	Scaling Factor	Duty Cycle (%)	Duty Cycle Factor	10 g Scaled SAR (W/Kg)	Meas. No.
Extremity														
Ant.2	802.11b	Front Side	0	1	2412	-0.01	0.283	18.86	19.00	1.033	98.80	1.012	0.296	/
		Left Edge	0	1	2412	0.15	0.245	18.86	19.00	1.033	98.80	1.012	0.256	/
		Top Edge	0	1	2412	-0.06	0.023	18.86	19.00	1.033	98.80	1.012	0.024	/
		Front Side	0	6	2437	-0.07	0.296	18.44	19.00	1.138	98.80	1.012	0.341	/
		Front Side	0	11	2462	0.01	0.348	18.47	19.00	1.130	98.80	1.012	**0.398**	48#
Note: Refer to ANNEX C for the detailed test data for each test configuration.														

10.17 WIFI 5GHz

Antenna	Band	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1 g Meas SAR (W/Kg)	Meas. Power (dBm)	Max. tune-up Power (dBm)	Scaling Factor	Duty Cycle (%)	Duty Cycle Factor	1 g Scaled SAR (W/Kg)	Meas. No.
Head															
Ant.2	5.3G	802.11n (HT40)	Left Cheek	0	54	5270	0.08	0.010	18.11	19.00	1.227	98.30	1.017	**0.012**	49#
			Left Tilt	0	54	5270	0.13	0.008	18.11	19.00	1.227	98.30	1.017	0.010	/
			Right Cheek	0	54	5270	0.15	0.006	18.11	19.00	1.227	98.30	1.017	0.007	/
			Right Tilt	0	54	5270	-0.10	0.005	18.11	19.00	1.227	98.30	1.017	0.006	/
			Left Cheek	0	62	5310	0.02	0.007	17.24	19.00	1.500	98.30	1.017	0.011	/
	5.6G	802.11n (HT40)	Left Cheek	0	134	5670	-0.07	0.023	19.41	20.00	1.146	98.30	1.017	**0.027**	50#
			Left Tilt	0	134	5670	0.03	0.018	19.41	20.00	1.146	98.30	1.017	0.021	/
			Right Cheek	0	134	5670	0.18	0.016	19.41	20.00	1.146	98.30	1.017	0.019	/
			Right Tilt	0	134	5670	0.05	0.014	19.41	20.00	1.146	98.30	1.017	0.016	/
			Left Cheek	0	102	5510	0.02	0.016	18.68	20.00	1.355	98.30	1.017	0.022	/
			Left Cheek	0	118	5590	0.14	0.020	19.17	20.00	1.211	98.30	1.017	0.025	/
	5.8G	802.11ac (VHT80)	Left Cheek	0	155	5775	0.11	0.023	18.23	19.00	1.194	93.50	1.070	0.029	/
			Left Tilt	0	155	5775	0.10	0.021	18.23	19.00	1.194	93.50	1.070	0.027	/
			Right Cheek	0	155	5775	-0.17	0.036	18.23	19.00	1.194	93.50	1.070	0.046	/
			Right Tilt	0	155	5775	0.02	0.042	18.23	19.00	1.194	93.50	1.070	**0.054**	51#
Body-Wron															
Ant.2	5.3G	802.11n (HT40)	Front Side	10	54	5270	0.08	0.010	18.11	19.00	1.227	98.30	1.017	**0.012**	52#
			Front Side	10	62	5310	0.03	0.007	17.24	19.00	1.500	98.30	1.017	0.011	/
	5.6G	802.11n (HT40)	Front Side	10	134	5670	0.04	0.025	19.41	20.00	1.146	98.30	1.017	**0.029**	53#
			Front Side	10	102	5510	0.15	0.017	18.68	20.00	1.355	98.30	1.017	0.023	/
			Front Side	10	118	5590	-0.03	0.022	19.17	20.00	1.211	98.30	1.017	0.027	/
Hotspot															
Ant.2	5.2G	802.11ac (VHT80)	Front Side	10	42	5210	0.03	0.008	18.10	19.00	1.230	93.50	1.070	0.011	/
			Left Edge	10	42	5210	-0.09	0.010	18.10	19.00	1.230	93.50	1.070	**0.013**	54#
			Top Edge	10	42	5210	-0.18	0.008	18.10	19.00	1.230	93.50	1.070	0.011	/
	5.8G	802.11ac (VHT80)	Front Side	10	155	5775	0.01	0.010	18.23	19.00	1.194	93.50	1.070	0.013	/
			Left Edge	10	155	5775	-0.09	0.013	18.23	19.00	1.194	93.50	1.070	**0.017**	55#
			Top Edge	10	155	5775	-0.11	0.009	18.23	19.00	1.194	93.50	1.070	0.011	/
Antenna	Band	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	10 g Meas SAR (W/Kg)	Meas. Power (dBm)	Max. tune-up Power (dBm)	Scaling Factor	Duty Cycle (%)	Duty Cycle Factor	10 g Scaled SAR (W/Kg)	Meas. No.
Extremity															
Ant.2	5.3G	802.11n (HT40)	Front Side	0	54	5270	-0.07	0.004	18.11	19.00	1.227	98.30	1.017	0.005	/
			Left Edge	0	54	5270	-0.03	0.006	18.11	19.00	1.227	98.30	1.017	**0.007**	56#
			Top Edge	0	54	5270	0.09	0.003	18.11	19.00	1.227	98.30	1.017	0.004	/
			Left Edge	0	62	5310	0.11	0.004	17.24	19.00	1.500	98.30	1.017	0.006	/

	5.6G	802.11n (HT40)	Front Side	0	134	5670	-0.08	0.042	19.41	20.00	1.146	98.30	1.017	0.049	/
			Left Edge	0	134	5670	0.08	0.055	19.41	20.00	1.146	98.30	1.017	**0.064**	57#
			Top Edge	0	134	5670	0.10	0.031	19.41	20.00	1.146	98.30	1.017	0.036	/
			Left Edge	0	102	5510	0.13	0.042	18.68	20.00	1.355	98.30	1.017	0.058	/
			Left Edge	0	118	5590	0.13	0.050	19.17	20.00	1.211	98.30	1.017	0.062	/
	5.8G	802.11ac (VHT80)	Front Side	0	155	5775	-0.08	0.038	18.23	19.00	1.194	93.50	1.070	0.049	/
			Left Edge	0	155	5775	-0.02	0.064	18.23	19.00	1.194	93.50	1.070	**0.082**	58#
			Top Edge	0	155	5775	-0.01	0.018	18.23	19.00	1.194	93.50	1.070	0.023	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.															

10.18 Bluetooth

Antenna	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1 g Meas SAR (W/Kg)	Meas. Power (dBm)	Max. tune-up Power (dBm)	Scaling Factor	Duty Cycle (%)	Duty Cycle Factor	1 g Scaled SAR (W/Kg)	Meas. No.
Head														
Ant.2	DH5	Left Cheek	0	0	2402	0.02	0.046	11.63	12.00	1.089	76.88	1.301	0.065	/
		Left Tilt	0	0	2402	0.06	0.057	11.63	12.00	1.089	76.88	1.301	**0.081**	59#
		Right Cheek	0	0	2402	-0.06	0.042	11.63	12.00	1.089	76.88	1.301	0.060	/
		Right Tilt	0	0	2402	-0.11	0.040	11.63	12.00	1.089	76.88	1.301	0.057	/
		Left Tilt	0	39	2441	0.05	0.053	11.54	12.00	1.112	76.88	1.301	0.077	/
		Left Tilt	0	78	2480	-0.03	0.050	11.36	12.00	1.159	76.88	1.301	0.075	/
Body-Wron&Hotspot														
Ant.2	DH5	Front Side	10	0	2402	0.02	0.033	11.63	12.00	1.089	76.88	1.301	**0.047**	60#
		Left Edge	10	0	2402	-0.06	0.027	11.63	12.00	1.089	76.88	1.301	0.038	/
		Top Edge	10	0	2402	-0.16	0.013	11.63	12.00	1.089	76.88	1.301	0.018	/
		Front Side	10	39	2441	-0.13	0.028	11.54	12.00	1.112	76.88	1.301	0.041	/
		Front Side	10	78	2480	0.14	0.025	11.36	12.00	1.159	76.88	1.301	0.038	/
Antenna	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	10 g Meas SAR (W/Kg)	Meas. Power (dBm)	Max. tune-up Power (dBm)	Scaling Factor	Duty Cycle (%)	Duty Cycle Factor	10 g Scaled SAR (W/Kg)	Meas. No.
Extremity														
Ant.2	DH5	Front Side	0	0	2402	-0.17	0.086	11.63	12.00	1.089	76.88	1.301	**0.122**	61#
		Left Edge	0	0	2402	-0.01	0.067	11.63	12.00	1.089	76.88	1.301	0.095	/
		Top Edge	0	0	2402	0.04	0.021	11.63	12.00	1.089	76.88	1.301	0.030	/
		Front Side	0	39	2441	-0.06	0.081	11.54	12.00	1.112	76.88	1.301	0.117	/
		Front Side	0	78	2480	0.02	0.076	11.36	12.00	1.159	76.88	1.301	0.115	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.														

10.19 RFID

Antenna	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	10 g Meas SAR (W/Kg)	Meas. Power (dBm)	Max. tune-up Power (dBm)	Scaling Factor	Duty Cycle (%)	Duty Cycle Factor	10 g Scaled SAR (W/Kg)	Meas. No.
Extremity														
Ant.3	RFID	Front Side	0	1	902.75	0.02	0.011	23.05	24.00	1.245	43.60	2.294	0.031	/
		Back Side	0	1	902.75	0.12	0.108	23.05	24.00	1.245	43.60	2.294	0.308	/
		Left Edge	0	1	902.75	0.08	0.142	23.05	24.00	1.245	43.60	2.294	0.406	/
		Right Edge	0	1	902.75	-0.17	0.095	23.05	24.00	1.245	43.60	2.294	0.271	/
		Top Edge	0	1	902.75	0.06	0.186	23.05	24.00	1.245	43.60	2.294	**0.531**	62#
		Top Edge	0	2	914.75	0.05	0.142	22.06	24.00	1.563	43.60	2.294	0.509	/
		Top Edge	0	3	927.25	0.05	0.139	22.03	24.00	1.574	43.60	2.294	0.502	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.														

11 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.

Frequency Band (MHz)	Wireless Band	RF Exposure Conditions	Test Position	Highest Measured SAR (W/kg)	Repeated SAR (Yes/No)	Repeated^{1th} Measured SAR (W/kg)	Largest to Smallest SAR Radio
2535	LTE Band 7	Body-Wron&Hotspot	Bottom Edge	0.847	Yes	0.826	1.03
2510	LTE Band 7	Body-Wron&Hotspot	Bottom Edge	0.802	Yes	0.785	1.02
Note 1: The ratio of largest to smallest SAR for the original and first repeated measurements is < 1.20, the second repeated measurement. is not required. Note 2: For product Extremity 10g SAR, the highest measured 10g SAR is 1.86 < 2.0 W/kg, repeated measurement is not required.							

12 SIMULTANEOUS TRANSMISSION

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

12.1 Simultaneous Transmission Mode Consider

No.	Simultaneous Tx Combination	Head	Body-worn	Hotspot
1	WWAN+WIFI2.4G	Yes	Yes	Yes
2	WWAN+WIFI5G	Yes	Yes	Yes
3	WWAN+BT	Yes	Yes	Yes

Note:
1. WLAN 2.4G and Bluetooth share the same antenna, and can't transmit simultaneously.
2. When stand-alone SAR is not required for a transmitter or antenna, its SAR is considered zero in the SAR summing process to assess Multi-band transmission SAR compliance.
3. The maximum SAR summation is calculated based on the same configuration and test position.

No.	Simultaneous Tx Combination	Extremity
1	WWAN+WIFI2.4G+RFID	Yes
2	WWAN+WIFI5G+RFID	Yes
3	WWAN+BT+RFID	Yes

Note:
1. WLAN 2.4G and Bluetooth share the same antenna, and can't transmit simultaneously.
2. When stand-alone SAR is not required for a transmitter or antenna, its SAR is considered zero in the SAR summing process to assess Multi-band transmission SAR compliance.
3. The maximum SAR summation is calculated based on the same configuration and test position.

12.2 Sum SAR of Simultaneous Transmission

12.2.1 Head Simultaneous Transmission SAR Evaluation for WWAN Antenna with WLAN and Bluetooth

Band	Position	Stand alone SAR				SUM SAR		
		1	2	3	4			
		WWAN	2.4GWIFI	Max.5GWIFI	BT	WWAN+WIFI2.4G (1+2)	WWAN+WIFI5G (1+3)	WWAN+BT (1+4)
GSM850	Left Cheek 0mm	0.144	0.668	0.029	0.065	0.812	0.173	0.209
	Left Tilt 0mm	0.113	0.355	0.027	0.081	0.468	0.140	0.194
	Right Cheek 0mm	0.323	0.280	0.046	0.060	0.603	0.369	0.383
	Right Tilt 0mm	0.097	0.204	0.054	0.057	0.301	0.151	0.154
GSM1900	Left Cheek 0mm	0.138	0.668	0.029	0.065	0.806	0.167	0.203
	Left Tilt 0mm	0.064	0.355	0.027	0.081	0.419	0.091	0.145
	Right Cheek 0mm	0.090	0.280	0.046	0.060	0.370	0.136	0.150
	Right Tilt 0mm	0.039	0.204	0.054	0.057	0.243	0.093	0.096
WCDMA B2	Left Cheek 0mm	0.148	0.668	0.029	0.065	0.816	0.177	0.213
	Left Tilt 0mm	0.064	0.355	0.027	0.081	0.419	0.091	0.145
	Right Cheek 0mm	0.126	0.280	0.046	0.060	0.406	0.172	0.186
	Right Tilt 0mm	0.053	0.204	0.054	0.057	0.257	0.107	0.110
WCDMA B4	Left Cheek 0mm	0.147	0.668	0.029	0.065	0.815	0.176	0.212
	Left Tilt 0mm	0.051	0.355	0.027	0.081	0.406	0.078	0.132
	Right Cheek 0mm	0.131	0.280	0.046	0.060	0.411	0.177	0.191
	Right Tilt 0mm	0.040	0.204	0.054	0.057	0.244	0.094	0.097
WCDMA B5	Left Cheek 0mm	0.121	0.668	0.029	0.065	0.789	0.150	0.186
	Left Tilt 0mm	0.066	0.355	0.027	0.081	0.421	0.093	0.147
	Right Cheek 0mm	0.178	0.280	0.046	0.060	0.458	0.224	0.238
	Right Tilt 0mm	0.081	0.204	0.054	0.057	0.285	0.135	0.138
CDMA BC0	Left Cheek 0mm	0.156	0.668	0.029	0.065	0.824	0.185	0.221
	Left Tilt 0mm	0.084	0.355	0.027	0.081	0.439	0.111	0.165
	Right Cheek 0mm	0.110	0.280	0.046	0.060	0.390	0.156	0.170
	Right Tilt 0mm	0.079	0.204	0.054	0.057	0.283	0.133	0.136
LTE B2	Left Cheek 0mm	0.157	0.668	0.029	0.065	**0.825**	0.186	0.222
	Left Tilt 0mm	0.101	0.355	0.027	0.081	0.456	0.128	0.182
	Right Cheek 0mm	0.112	0.280	0.046	0.060	0.392	0.158	0.172
	Right Tilt 0mm	0.080	0.204	0.054	0.057	0.284	0.134	0.137
LTE B4	Left Cheek 0mm	0.150	0.668	0.029	0.065	0.818	0.179	0.215
	Left Tilt 0mm	0.116	0.355	0.027	0.081	0.471	0.143	0.197
	Right Cheek 0mm	0.145	0.280	0.046	0.060	0.425	0.191	0.205
	Right Tilt 0mm	0.098	0.204	0.054	0.057	0.302	0.152	0.155
LTE B5	Left Cheek 0mm	0.135	0.668	0.029	0.065	0.803	0.164	0.200
	Left Tilt 0mm	0.175	0.355	0.027	0.081	0.530	0.202	0.256
	Right Cheek 0mm	0.119	0.280	0.046	0.060	0.399	0.165	0.179

	Right Tilt 0mm	0.163	0.204	0.054	0.057	0.367	0.217	0.220
LTE B7	Left Cheek 0mm	0.108	0.668	0.029	0.065	0.776	0.137	0.173
	Left Tilt 0mm	0.061	0.355	0.027	0.081	0.416	0.088	0.142
	Right Cheek 0mm	0.096	0.280	0.046	0.060	0.376	0.142	0.156
	Right Tilt 0mm	0.050	0.204	0.054	0.057	0.254	0.104	0.107
LTE B12	Left Cheek 0mm	0.119	0.668	0.029	0.065	0.787	0.148	0.184
	Left Tilt 0mm	0.135	0.355	0.027	0.081	0.490	0.162	0.216
	Right Cheek 0mm	0.119	0.280	0.046	0.060	0.399	0.165	0.179
	Right Tilt 0mm	0.133	0.204	0.054	0.057	0.337	0.187	0.190
LTE B13	Left Cheek 0mm	0.155	0.668	0.029	0.065	0.823	0.184	0.220
	Left Tilt 0mm	0.194	0.355	0.027	0.081	0.549	0.221	0.275
	Right Cheek 0mm	0.142	0.280	0.046	0.060	0.422	0.188	0.202
	Right Tilt 0mm	0.167	0.204	0.054	0.057	0.371	0.221	0.224
LTE B17	Left Cheek 0mm	0.148	0.668	0.029	0.065	0.816	0.177	0.213
	Left Tilt 0mm	0.163	0.355	0.027	0.081	0.518	0.190	0.244
	Right Cheek 0mm	0.129	0.280	0.046	0.060	0.409	0.175	0.189
	Right Tilt 0mm	0.150	0.204	0.054	0.057	0.354	0.204	0.207
LTE B38	Left Cheek 0mm	0.059	0.668	0.029	0.065	0.727	0.088	0.124
	Left Tilt 0mm	0.046	0.355	0.027	0.081	0.401	0.073	0.127
	Right Cheek 0mm	0.052	0.280	0.046	0.060	0.332	0.098	0.112
	Right Tilt 0mm	0.037	0.204	0.054	0.057	0.241	0.091	0.094
LTE B41	Left Cheek 0mm	0.093	0.668	0.029	0.065	0.761	0.122	0.158
	Left Tilt 0mm	0.045	0.355	0.027	0.081	0.400	0.072	0.126
	Right Cheek 0mm	0.084	0.280	0.046	0.060	0.364	0.130	0.144
	Right Tilt 0mm	0.053	0.204	0.054	0.057	0.257	0.107	0.110

Note:

1: The simultaneous transmission combinations of the three antennas contain combinations of two antennas, so only the worst simultaneous transmission combinations was shown in this table.

2: The highest Summed 1g SAR is 0.825 W/Kg < 1.6 W/kg, so Simultaneous Transmission SAR test is not required.

12.2.2 Body-worn&Hotspot Simultaneous Transmission SAR Evaluation for WWAN Antenna with WLAN and Bluetooth

Band	Position	Stand alone SAR				SUM SAR		
		1	2	3	4			
		WWAN	2.4GWIFI	Max.5GWIFI	BT	WWAN+WIFI2.4G (1+2)	WWAN+WIFI5G (1+3)	WWAN+BT (1+4)
GSM850	Front Side 10mm	0.166	0.168	0.029	0.047	0.334	0.195	0.213
	Back Side 10mm	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	Left Edge 10mm	0.093	0.120	0.017	0.038	0.213	0.110	0.131
	Right Edge 10mm	0.082	0.000	0.000	0.000	0.082	0.082	0.082
	Top Edge 10mm	0.000	0.049	0.011	0.018	0.049	0.011	0.018
	Bottom Edge 10mm	0.089	0.000	0.000	0.000	0.089	0.089	0.089
GSM1900	Front Side 10mm	0.152	0.168	0.029	0.047	0.320	0.181	0.199
	Back Side 10mm	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	Left Edge 10mm	0.040	0.120	0.017	0.038	0.160	0.057	0.078
	Right Edge 10mm	0.114	0.000	0.000	0.000	0.114	0.114	0.114
	Top Edge 10mm	0.000	0.049	0.011	0.018	0.049	0.011	0.018
	Bottom Edge 10mm	0.286	0.000	0.000	0.000	0.286	0.286	0.286
WCDMA B2	Front Side 10mm	0.262	0.168	0.029	0.047	0.430	0.291	0.309
	Back Side 10mm	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	Left Edge 10mm	0.088	0.120	0.017	0.038	0.208	0.105	0.126
	Right Edge 10mm	0.195	0.000	0.000	0.000	0.195	0.195	0.195
	Top Edge 10mm	0.000	0.049	0.011	0.018	0.049	0.011	0.018
	Bottom Edge 10mm	0.454	0.000	0.000	0.000	0.454	0.454	0.454
WCDMA B4	Front Side 10mm	0.138	0.168	0.029	0.047	0.306	0.167	0.185
	Back Side 10mm	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	Left Edge 10mm	0.005	0.120	0.017	0.038	0.125	0.022	0.043
	Right Edge 10mm	0.152	0.000	0.000	0.000	0.152	0.152	0.152
	Top Edge 10mm	0.000	0.049	0.011	0.018	0.049	0.011	0.018
	Bottom Edge 10mm	0.170	0.000	0.000	0.000	0.170	0.170	0.170
WCDMA B5	Front Side 10mm	0.147	0.168	0.029	0.047	0.315	0.176	0.194
	Back Side 10mm	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	Left Edge 10mm	0.090	0.120	0.017	0.038	0.210	0.107	0.128
	Right Edge 10mm	0.091	0.000	0.000	0.000	0.091	0.091	0.091
	Top Edge 10mm	0.000	0.049	0.011	0.018	0.049	0.011	0.018
	Bottom Edge 10mm	0.090	0.000	0.000	0.000	0.090	0.090	0.090
CDMA BC0	Front Side 10mm	0.180	0.168	0.029	0.047	0.348	0.209	0.227
	Back Side 10mm	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	Left Edge 10mm	0.110	0.120	0.017	0.038	0.230	0.127	0.148
	Right Edge 10mm	0.111	0.000	0.000	0.000	0.111	0.111	0.111
	Top Edge 10mm	0.000	0.049	0.011	0.018	0.049	0.011	0.018
	Bottom Edge 10mm	0.110	0.000	0.000	0.000	0.110	0.110	0.110

LTE B2	Front Side 10mm	0.291	0.168	0.029	0.047	0.459	0.320	0.338
	Back Side 10mm	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	Left Edge 10mm	0.085	0.120	0.017	0.038	0.205	0.102	0.123
	Right Edge 10mm	0.200	0.000	0.000	0.000	0.200	0.200	0.200
	Top Edge 10mm	0.000	0.049	0.011	0.018	0.049	0.011	0.018
	Bottom Edge 10mm	0.485	0.000	0.000	0.000	0.485	0.485	0.485
LTE B4	Front Side 10mm	0.164	0.168	0.029	0.047	0.332	0.193	0.211
	Back Side 10mm	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	Left Edge 10mm	0.049	0.120	0.017	0.038	0.169	0.066	0.087
	Right Edge 10mm	0.161	0.000	0.000	0.000	0.161	0.161	0.161
	Top Edge 10mm	0.000	0.049	0.011	0.018	0.049	0.011	0.018
	Bottom Edge 10mm	0.179	0.000	0.000	0.000	0.179	0.179	0.179
LTE B5	Front Side 10mm	0.134	0.168	0.029	0.047	0.302	0.163	0.181
	Back Side 10mm	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	Left Edge 10mm	0.098	0.120	0.017	0.038	0.218	0.115	0.136
	Right Edge 10mm	0.055	0.000	0.000	0.000	0.055	0.055	0.055
	Top Edge 10mm	0.000	0.049	0.011	0.018	0.049	0.011	0.018
	Bottom Edge 10mm	0.082	0.000	0.000	0.000	0.082	0.082	0.082
LTE B7	Front Side 10mm	0.274	0.168	0.029	0.047	0.442	0.303	0.321
	Back Side 10mm	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	Left Edge 10mm	0.098	0.120	0.017	0.038	0.218	0.115	0.136
	Right Edge 10mm	0.299	0.000	0.000	0.000	0.299	0.299	0.299
	Top Edge 10mm	0.000	0.049	0.011	0.018	0.049	0.011	0.018
	Bottom Edge 10mm	0.900	0.000	0.000	0.000	**0.900**	**0.900**	**0.900**
LTE B12	Front Side 10mm	0.095	0.168	0.029	0.047	0.263	0.124	0.142
	Back Side 10mm	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	Left Edge 10mm	0.062	0.120	0.017	0.038	0.182	0.079	0.100
	Right Edge 10mm	0.053	0.000	0.000	0.000	0.053	0.053	0.053
	Top Edge 10mm	0.000	0.049	0.011	0.018	0.049	0.011	0.018
	Bottom Edge 10mm	0.070	0.000	0.000	0.000	0.070	0.070	0.070
LTE B13	Front Side 10mm	0.126	0.168	0.029	0.047	0.294	0.155	0.173
	Back Side 10mm	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	Left Edge 10mm	0.076	0.120	0.017	0.038	0.196	0.093	0.114
	Right Edge 10mm	0.075	0.000	0.000	0.000	0.075	0.075	0.075
	Top Edge 10mm	0.000	0.049	0.011	0.018	0.049	0.011	0.018
	Bottom Edge 10mm	0.074	0.000	0.000	0.000	0.074	0.074	0.074
LTE B17	Front Side 10mm	0.111	0.168	0.029	0.047	0.279	0.140	0.158
	Back Side 10mm	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	Left Edge 10mm	0.061	0.120	0.017	0.038	0.181	0.078	0.099
	Right Edge 10mm	0.049	0.000	0.000	0.000	0.049	0.049	0.049
	Top Edge 10mm	0.000	0.049	0.011	0.018	0.049	0.011	0.018
	Bottom Edge 10mm	0.066	0.000	0.000	0.000	0.066	0.066	0.066
LTE B38	Front Side 10mm	0.247	0.168	0.029	0.047	0.415	0.276	0.294

	Back Side 10mm	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	Left Edge 10mm	0.070	0.120	0.017	0.038	0.190	0.087	0.108
	Right Edge 10mm	0.394	0.000	0.000	0.000	0.394	0.394	0.394
	Top Edge 10mm	0.000	0.049	0.011	0.018	0.049	0.011	0.018
	Bottom Edge 10mm	0.506	0.000	0.000	0.000	0.506	0.506	0.506
LTE B41	Front Side 10mm	0.192	0.168	0.029	0.047	0.360	0.221	0.239
	Back Side 10mm	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	Left Edge 10mm	0.058	0.120	0.017	0.038	0.178	0.075	0.096
	Right Edge 10mm	0.137	0.000	0.000	0.000	0.137	0.137	0.137
	Top Edge 10mm	0.000	0.049	0.011	0.018	0.049	0.011	0.018
	Bottom Edge 10mm	0.334	0.000	0.000	0.000	0.334	0.334	0.334

Note:

1: The simultaneous transmission combinations of the three antennas contain combinations of two antennas, so only the worst simultaneous transmission combinations was shown in this table.

2: The highest Summed 1g SAR is 0.900 W/Kg < 1.6 W/kg, so Simultaneous Transmission SAR test is not required.

12.2.3 Extremity Simultaneous Transmission SAR Evaluation for WWAN Antenna with WLAN, Bluetooth and RFID

Band	Position	Stand alone SAR					SUM SAR		
		1	2	3	4	5			
		WWAN	2.4GWIFI	Max.5GWIFI	BT	RFID	WWAN+WIFI2.4G+RFID (1+2+5)	WWAN+WIFI5G+RFID (1+3+5)	WWAN+BT+RFID (1+4+5)
GSM850	Front Side 0mm	0.471	0.398	0.049	0.122	0.031	0.900	0.551	0.624
	Back Side 0mm	0.000	0.000	0.000	0.000	0.308	0.308	0.308	0.308
	Left Edge 0mm	0.165	0.256	0.082	0.095	0.406	0.827	0.653	0.666
	Right Edge 0mm	0.210	0.000	0.000	0.000	0.271	0.481	0.481	0.481
	Top Edge 0mm	0.000	0.024	0.036	0.030	0.531	0.555	0.567	0.561
	Bottom Edge 0mm	0.251	0.000	0.000	0.000	0.000	0.251	0.251	0.251
GSM1900	Front Side 0mm	0.471	0.398	0.049	0.122	0.031	0.900	0.551	0.624
	Back Side 0mm	0.000	0.000	0.000	0.000	0.308	0.308	0.308	0.308
	Left Edge 0mm	0.113	0.256	0.082	0.095	0.406	0.775	0.601	0.614
	Right Edge 0mm	0.373	0.000	0.000	0.000	0.271	0.644	0.644	0.644
	Top Edge 0mm	0.000	0.024	0.036	0.030	0.531	0.555	0.567	0.561
	Bottom Edge 0mm	0.824	0.000	0.000	0.000	0.000	0.824	0.824	0.824
WCDMA B2	Front Side 0mm	0.947	0.398	0.049	0.122	0.031	1.376	1.027	1.100
	Back Side 0mm	0.000	0.000	0.000	0.000	0.308	0.308	0.308	0.308
	Left Edge 0mm	0.253	0.256	0.082	0.095	0.406	0.915	0.741	0.754
	Right Edge 0mm	0.832	0.000	0.000	0.000	0.271	1.103	1.103	1.103
	Top Edge 0mm	0.000	0.024	0.036	0.030	0.531	0.555	0.567	0.561
	Bottom Edge 0mm	1.266	0.000	0.000	0.000	0.000	1.266	1.266	1.266
WCDMA B4	Front Side 0mm	0.443	0.398	0.049	0.122	0.031	0.872	0.523	0.596
	Back Side 0mm	0.000	0.000	0.000	0.000	0.308	0.308	0.308	0.308
	Left Edge 0mm	0.055	0.256	0.082	0.095	0.406	0.717	0.543	0.556
	Right Edge 0mm	0.467	0.000	0.000	0.000	0.271	0.738	0.738	0.738
	Top Edge 0mm	0.000	0.024	0.036	0.030	0.531	0.555	0.567	0.561
	Bottom Edge 0mm	0.566	0.000	0.000	0.000	0.000	0.566	0.566	0.566
WCDMA B5	Front Side 0mm	0.418	0.398	0.049	0.122	0.031	0.847	0.498	0.571
	Back Side 0mm	0.000	0.000	0.000	0.000	0.308	0.308	0.308	0.308
	Left Edge 0mm	0.146	0.256	0.082	0.095	0.406	0.808	0.634	0.647
	Right Edge 0mm	0.190	0.000	0.000	0.000	0.271	0.461	0.461	0.461
	Top Edge 0mm	0.000	0.024	0.036	0.030	0.531	0.555	0.567	0.561
	Bottom Edge 0mm	0.237	0.000	0.000	0.000	0.000	0.237	0.237	0.237
CDMA BC0	Front Side 0mm	0.519	0.398	0.049	0.122	0.031	0.948	0.599	0.672
	Back Side 0mm	0.000	0.000	0.000	0.000	0.308	0.308	0.308	0.308
	Left Edge 0mm	0.195	0.256	0.082	0.095	0.406	0.857	0.683	0.696
	Right Edge 0mm	0.222	0.000	0.000	0.000	0.271	0.493	0.493	0.493
	Top Edge 0mm	0.000	0.024	0.036	0.030	0.531	0.555	0.567	0.561
	Bottom Edge 0mm	0.299	0.000	0.000	0.000	0.000	0.299	0.299	0.299

LTE B2	Front Side 0mm	0.815	0.398	0.049	0.122	0.031	1.244	0.895	0.968
	Back Side 0mm	0.000	0.000	0.000	0.000	0.308	0.308	0.308	0.308
	Left Edge 0mm	0.198	0.256	0.082	0.095	0.406	0.860	0.686	0.699
	Right Edge 0mm	0.608	0.000	0.000	0.000	0.271	0.879	0.879	0.879
	Top Edge 0mm	0.000	0.024	0.036	0.030	0.531	0.555	0.567	0.561
	Bottom Edge 0mm	1.264	0.000	0.000	0.000	0.000	1.264	1.264	1.264
LTE B4	Front Side 0mm	0.664	0.398	0.049	0.122	0.031	1.093	0.744	0.817
	Back Side 0mm	0.000	0.000	0.000	0.000	0.308	0.308	0.308	0.308
	Left Edge 0mm	0.086	0.256	0.082	0.095	0.406	0.748	0.574	0.587
	Right Edge 0mm	0.674	0.000	0.000	0.000	0.271	0.945	0.945	0.945
	Top Edge 0mm	0.000	0.024	0.036	0.030	0.531	0.555	0.567	0.561
	Bottom Edge 0mm	0.683	0.000	0.000	0.000	0.000	0.683	0.683	0.683
LTE B5	Front Side 0mm	0.417	0.398	0.049	0.122	0.031	0.846	0.497	0.570
	Back Side 0mm	0.000	0.000	0.000	0.000	0.308	0.308	0.308	0.308
	Left Edge 0mm	0.126	0.256	0.082	0.095	0.406	0.788	0.614	0.627
	Right Edge 0mm	0.167	0.000	0.000	0.000	0.271	0.438	0.438	0.438
	Top Edge 0mm	0.000	0.024	0.036	0.030	0.531	0.555	0.567	0.561
	Bottom Edge 0mm	0.226	0.000	0.000	0.000	0.000	0.226	0.226	0.226
LTE B7	Front Side 0mm	0.619	0.398	0.049	0.122	0.031	1.048	0.699	0.772
	Back Side 0mm	0.000	0.000	0.000	0.000	0.308	0.308	0.308	0.308
	Left Edge 0mm	0.181	0.256	0.082	0.095	0.406	0.843	0.669	0.682
	Right Edge 0mm	1.104	0.000	0.000	0.000	0.271	1.375	1.375	1.375
	Top Edge 0mm	0.000	0.024	0.036	0.030	0.531	0.555	0.567	0.561
	Bottom Edge 0mm	1.975	0.000	0.000	0.000	0.000	**1.975**	**1.975**	**1.975**
LTE B12	Front Side 0mm	0.249	0.398	0.049	0.122	0.031	0.678	0.329	0.402
	Back Side 0mm	0.000	0.000	0.000	0.000	0.308	0.308	0.308	0.308
	Left Edge 0mm	0.092	0.256	0.082	0.095	0.406	0.754	0.580	0.593
	Right Edge 0mm	0.132	0.000	0.000	0.000	0.271	0.403	0.403	0.403
	Top Edge 0mm	0.000	0.024	0.036	0.030	0.531	0.555	0.567	0.561
	Bottom Edge 0mm	0.167	0.000	0.000	0.000	0.000	0.167	0.167	0.167
LTE B13	Front Side 0mm	0.363	0.398	0.049	0.122	0.031	0.792	0.443	0.516
	Back Side 0mm	0.000	0.000	0.000	0.000	0.308	0.308	0.308	0.308
	Left Edge 0mm	0.187	0.256	0.082	0.095	0.406	0.849	0.675	0.688
	Right Edge 0mm	0.276	0.000	0.000	0.000	0.271	0.547	0.547	0.547
	Top Edge 0mm	0.000	0.024	0.036	0.030	0.531	0.555	0.567	0.561
	Bottom Edge 0mm	0.306	0.000	0.000	0.000	0.000	0.306	0.306	0.306
LTE B17	Front Side 0mm	0.291	0.398	0.049	0.122	0.031	0.720	0.371	0.444
	Back Side 0mm	0.000	0.000	0.000	0.000	0.308	0.308	0.308	0.308
	Left Edge 0mm	0.100	0.256	0.082	0.095	0.406	0.762	0.588	0.601
	Right Edge 0mm	0.156	0.000	0.000	0.000	0.271	0.427	0.427	0.427
	Top Edge 0mm	0.000	0.024	0.036	0.030	0.531	0.555	0.567	0.561
	Bottom Edge 0mm	0.213	0.000	0.000	0.000	0.000	0.213	0.213	0.213
LTE B38	Front Side 0mm	0.247	0.398	0.049	0.122	0.031	0.676	0.327	0.400

	Back Side 0mm	0.000	0.000	0.000	0.000	0.308	0.308	0.308	0.308
	Left Edge 0mm	0.070	0.256	0.082	0.095	0.406	0.732	0.558	0.571
	Right Edge 0mm	0.394	0.000	0.000	0.000	0.271	0.665	0.665	0.665
	Top Edge 0mm	0.000	0.024	0.036	0.030	0.531	0.555	0.567	0.561
	Bottom Edge 0mm	0.506	0.000	0.000	0.000	0.000	0.506	0.506	0.506
LTE B41	Front Side 0mm	0.192	0.398	0.049	0.122	0.031	0.621	0.272	0.345
	Back Side 0mm	0.000	0.000	0.000	0.000	0.308	0.308	0.308	0.308
	Left Edge 0mm	0.058	0.256	0.082	0.095	0.406	0.720	0.546	0.559
	Right Edge 0mm	0.137	0.000	0.000	0.000	0.271	0.408	0.408	0.408
	Top Edge 0mm	0.000	0.024	0.036	0.030	0.531	0.555	0.567	0.561
	Bottom Edge 0mm	0.334	0.000	0.000	0.000	0.000	0.334	0.334	0.334

Note:

1: The simultaneous transmission combinations of the three antennas contain combinations of two antennas, so only the worst simultaneous transmission combinations was shown in this table.

2: The highest Summed 10g SAR is 1.975 W/Kg < 4.0 W/kg, so Simultaneous Transmission SAR test is not required.

13 TEST EQUIPMENTS LIST

Description	Manufacturer	Model	Serial No./Version	Cal. Date	Cal. Due
PC	Dell	N/A	N/A	N/A	N/A
Test Software	Speag	DASY6	16.0.0.116	N/A	N/A
750MHz Validation Dipole	Speag	D750V3	SN: 1208	2021/07/05	2024/07/05
835MHz Validation Dipole	Speag	D835V2	SN: 4d187	2021/05/17	2024/05/17
1750MHz Validation Dipole	Speag	D1750V2	SN: 1130	2021/05/17	2024/05/17
1900MHz Validation Dipole	Speag	D1900V2	SN: 5d193	2021/05/20	2024/05/20
2450MHz Validation Dipole	Speag	D2450V2	SN: 952	2021/05/19	2024/05/19
2600MHz Validation Dipole	Speag	D2600V2	SN: 1095	2021/05/19	2024/05/19
5GHz Validation Dipole	Speag	D5GHzV2	SN: 1200	2021/05/18	2024/05/18
E-Field Probe	Speag	EX3DV4	SN: 7607	2023/07/04	2024/07/04
Data Acquisition Electronicsr	Speag	DAE4	SN: 878	2023/03/23	2024/03/23
Signal Generator	R&S	SMB100A	177746	2023/05/10	2024/05/10
Power Meter	R&S	NRVD-B2	835843/014	2023/09/05	2024/09/05
Power Sensor	R&S	NRV-Z4	100381	2023/09/05	2024/09/05
Power Sensor	R&S	NRV-Z2	100211	2023/09/05	2024/09/05
Wireless Communication Test Set	Anritsu	MT8820C	6201144551	2023/06/29	2024/06/29
Network Analyzer	Agilent	E5071C	MY46103472	2023/11/14	2024/11/14
Thermometer	Elitech	RC-4	EF5238001628	2023/10/09	2024/10/09
Thermometer	Elitech	RC-4HC	EF7239002652	2023/11/17	2024/11/17
Power Amplifier	SATIMO	6552B	22374	N/A	N/A
Dielectric Probe Kit	Speag	DAK3.5	SN: 1312	N/A	N/A
Phantom	Speag	SAM	SN: 1859	N/A	N/A
Attenuator	COM-MW	ZA-S1-31	1305003187	N/A	N/A
Directional coupler	AA-MCS	AAMCS-UDC	000272	N/A	N/A

Note: For dipole antennas, BALUN has adopted 3 years as calibration intervals, and on annual basis, every measurement dipole has been evaluated and is in compliance with the following criteria:

1. There is no physical damage on the dipole;
2. System validation with specific dipole is within 10% of calibrated value;
3. Return-loss in within 20% of calibrated measurement.
4. Impedance (real or imaginary parts) in within 5 Ohms of calibrated measurement.

ANNEX A SIMULATING LIQUID VERIFICATION RESULT

The dielectric parameters of the liquids were verified prior to the SAR evaluation using a DAK3.5 Dielectric Probe Kit.

Head Liquid

Date	Liquid Type	Fre. (MHz)	Temp. (℃)	Meas. Conductivity (σ) (S/m)	Meas. Permittivity (ε)	Target Conductivity (σ) (S/m)	Target Permittivity (ε)	Conductivity Tolerance (%)	Permittivity Tolerance (%)
2024.02.15	Head	750	21.8	0.90	41.99	0.89	41.94	1.12	0.12
2024.02.16	Head	835	21.6	0.89	40.96	0.90	41.50	-1.11	-1.30
2024.02.17	Head	835	21.5	0.91	41.90	0.90	41.50	1.11	0.96
2024.02.18	Head	1750	21.6	1.36	40.14	1.37	40.08	-0.73	0.15
2024.02.19	Head	1900	21.4	1.41	39.29	1.40	40.00	0.71	-1.78
2024.02.20	Head	2450	21.9	1.79	39.39	1.80	39.20	-0.56	0.48
2024.02.21	Head	2600	21.7	1.96	39.17	1.96	39.01	0.00	0.41
2024.02.22	Head	2600	21.2	1.98	39.55	1.96	39.01	1.02	1.38
2024.02.23	Head	5250	21.2	4.65	36.37	4.71	35.93	-1.27	1.22
2024.02.24	Head	5600	21.5	5.01	35.40	5.07	35.53	-1.18	-0.37
2024.02.25	Head	5750	21.5	5.22	35.50	5.22	35.36	0.00	0.40
2024.02.26	Head	750	21.4	0.88	42.24	0.89	41.94	-1.12	0.72
2024.02.27	Head	835	21.8	0.88	41.87	0.90	41.50	-2.22	0.89
Note: The tolerance limit of Conductivity and Permittivity is± 5%.									

ANNEX B SYSTEM CHECK RESULT

Comparing to the original SAR value provided by SPEAG, the validation data should be within itsspecification of 10 %(for 1 g).

Head liquid 1g

Date	Liquid Type	Freq. (MHz)	Power (mW)	Measured SAR (W/kg)	Normalized SAR (W/kg)	Dipole SAR (W/kg)	Tolerance (%)
2024.02.15	Head	750	100	0.861	8.61	8.51	1.18
2024.02.16	Head	835	100	0.983	9.83	9.76	0.72
2024.02.17	Head	835	100	0.992	9.92	9.76	1.64
2024.02.18	Head	1750	100	3.770	37.70	36.70	2.72
2024.02.19	Head	1900	100	4.050	40.50	40.30	0.01
2024.02.20	Head	2450	100	5.410	54.10	53.00	0.02
2024.02.21	Head	2600	100	5.640	56.40	56.80	-0.01
2024.02.22	Head	2600	100	5.650	56.50	56.80	-0.01
2024.02.23	Head	5250	100	7.810	78.10	77.80	0.00
2024.02.24	Head	5600	100	8.190	81.90	81.20	0.01
2024.02.25	Head	5750	100	7.740	77.40	77.20	0.00
2024.02.26	Head	750	100	0.867	8.67	8.51	0.02
2024.02.27	Head	835	100	0.978	9.78	9.76	0.00
Note: The tolerance limit of System validation ±10%.							

Head liquid 10g

Date	Freq. (MHz)	Power (mW)	Measured SAR (W/kg)	Normalized SAR (W/kg)	Dipole SAR (W/kg)	Tolerance (%)
2024.02.15	750	100	0.552	5.52	5.58	-1.08
2024.02.16	835	100	0.642	6.42	6.34	1.26
2024.02.17	835	100	0.632	6.32	6.34	-0.32
2024.02.18	1750	100	1.890	18.90	19.10	-1.05
2024.02.19	1900	100	2.070	20.70	20.30	0.02
2024.02.20	2450	100	2.480	24.80	24.10	0.03
2024.02.21	2600	100	2.450	24.50	24.80	-0.01
2024.02.22	2600	100	2.420	24.20	24.80	-0.02
2024.02.23	5250	100	2.220	22.20	22.10	0.00
2024.02.24	5600	100	2.320	23.20	23.10	0.00
2024.02.25	5750	100	2.150	21.50	21.70	-0.01
2024.02.26	750	100	0.559	5.59	5.58	0.00
2024.02.27	835	100	0.622	6.22	6.34	-0.02
Note: The tolerance limit of System validation ±10%.						

System Performance Check Data (750MHz)

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
CD750V2, SPEAG	10.0 x 10.0 x 3.0	Dipole

Exposure Conditions

Phantom Section, TSL	Position, Distance [mm]	TestBand	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL		CD700	CW, 0--	750.0, 100	10.31	0.898	40.0	22.4	21.8

Hardware Setup

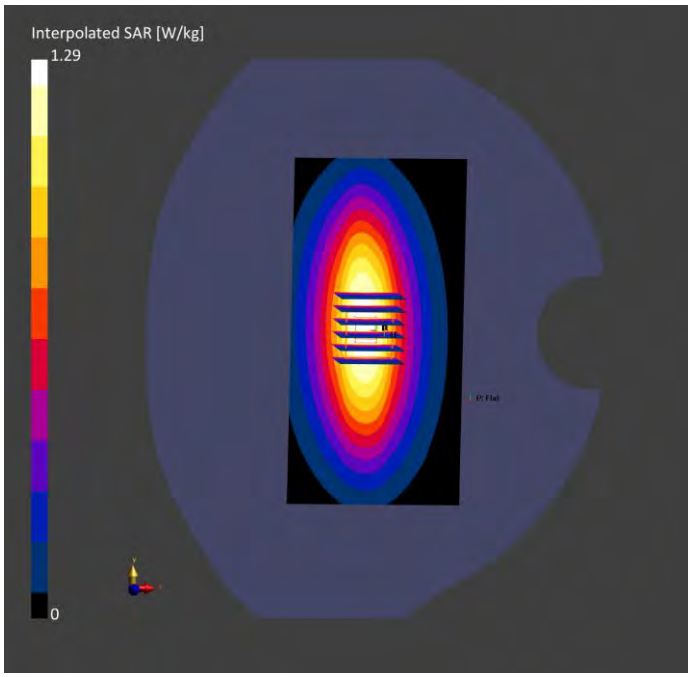
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) -1859	HBBL-600-10000 2024-02-15	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 160.0	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	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-02-15	2024-02-15
psSAR1g [W/kg]	0.877	0.861
psSAR10g [W/kg]	0.551	0.552
Power Drift [dB]	-0.16	0.17
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		86.5
Dist 3dB Peak [mm]		20.1


Interpolated SAR [W/kg]
1.29
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System Performance Check Data (750MHz)

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
CD750V2, SPEAG	10.0 x 10.0 x 3.0	Dipole

Exposure Conditions

Phantom Section, TSL	Position, TestBand Distance [mm]	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	CD700	CW, 0--	750.0, 100	10.31	0.875	42.2	22.3	21.6

Hardware Setup

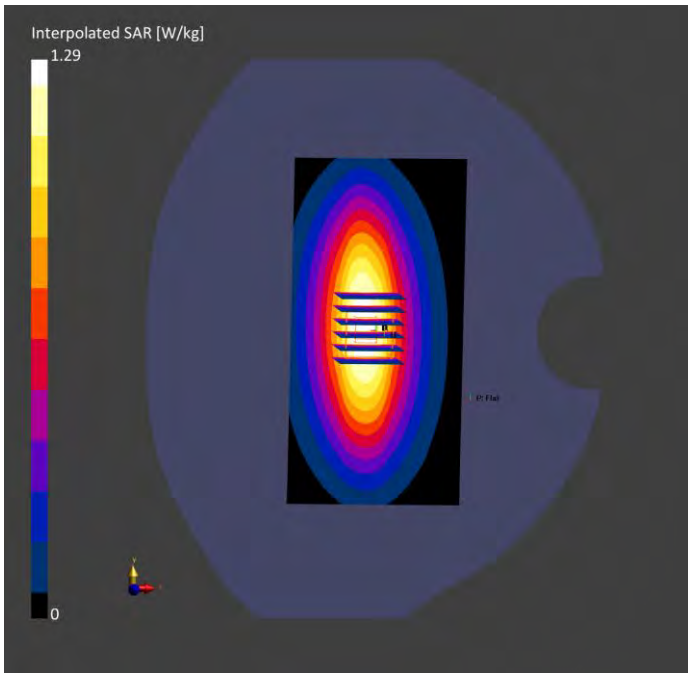
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) -1859	HBBL-600-10000 2024-02-26	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 160.0	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	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-02-26	2024-02-26
psSAR1g [W/kg]	0.877	0.867
psSAR10g [W/kg]	0.551	0.559
Power Drift [dB]	-0.16	0.17
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		86.5
Dist 3dB Peak [mm]		20.1


Interpolated SAR [W/kg]
1.29
0

System Performance Check Data (835MHz)

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
CD835V2, SPEAG	10.0 x 10.0 x 3.0	Dipole

Exposure Conditions

Phantom Section, TSL	Position, Distance [mm]	TestBand	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL		CD835	CW, 0--	835.0, 50	9.96	0.89	41.0	22.3	21.6

Hardware Setup

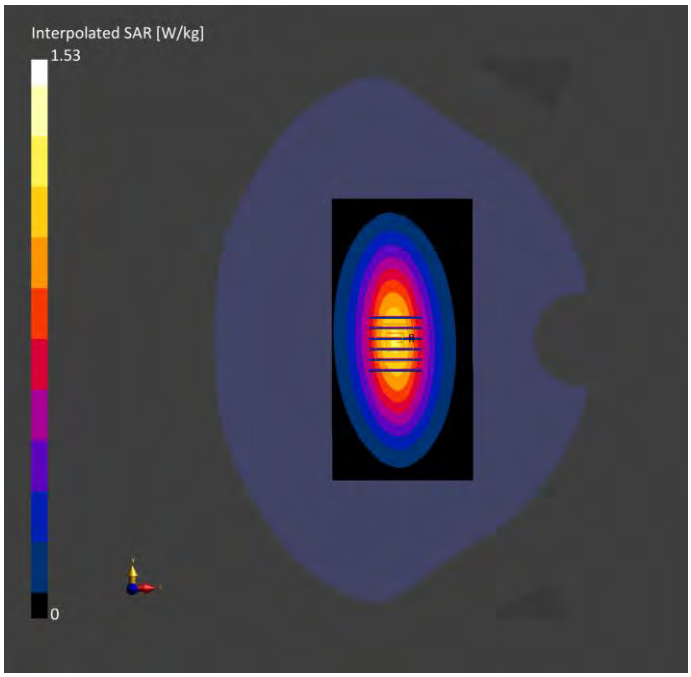
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) -1859	HBBL-600-10000 2024-02-16	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 160.0	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	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-02-16	2024-02-16
psSAR1g [W/kg]	0.956	0.983
0psSAR10g [W/kg]	0.618	0.642
Power Drift [dB]	-0.01	-0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		80.9
Dist 3dB Peak [mm]		13.8


Interpolated SAR [W/kg]
1.53
0

System Performance Check Data (835MHz)

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
CD835V2, SPEAG	10.0 x 10.0 x 3.0	Dipole

Exposure Conditions

Phantom Section, TSL	Position, Distance [mm]	TestBand	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL		CD835	CW, 0--	835.0, 50	9.96	0.905	41.9	22.4	21.5

Hardware Setup

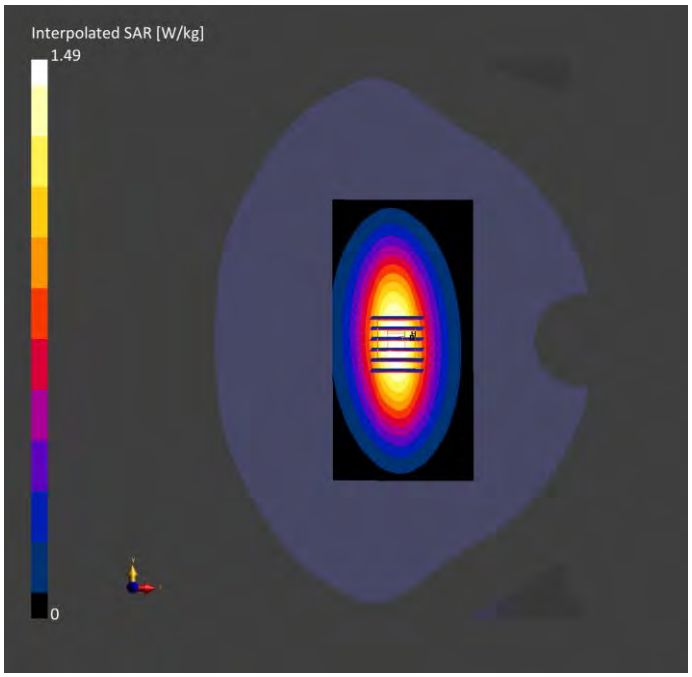
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) -1859	HBBL-600-10000 2024-02-17	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 160.0	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	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-02-17	2024-02-17
psSAR1g [W/kg]	0.956	0.992
psSAR10g [W/kg]	0.645	0.632
Power Drift [dB]	0.01	-0.02
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		85.5
Dist 3dB Peak [mm]		12.8


Interpolated SAR [W/kg]
1.49
0

System Performance Check Data (835MHz)

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
CD835V2, SPEAG	10.0 x 10.0 x 3.0	Dipole

Exposure Conditions

Phantom Section, TSL	Position, Distance [mm]	TestBand	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL		CD835	CW, 0--	835.0, 50	9.96	0.876	41.9	22.1	21.8

Hardware Setup

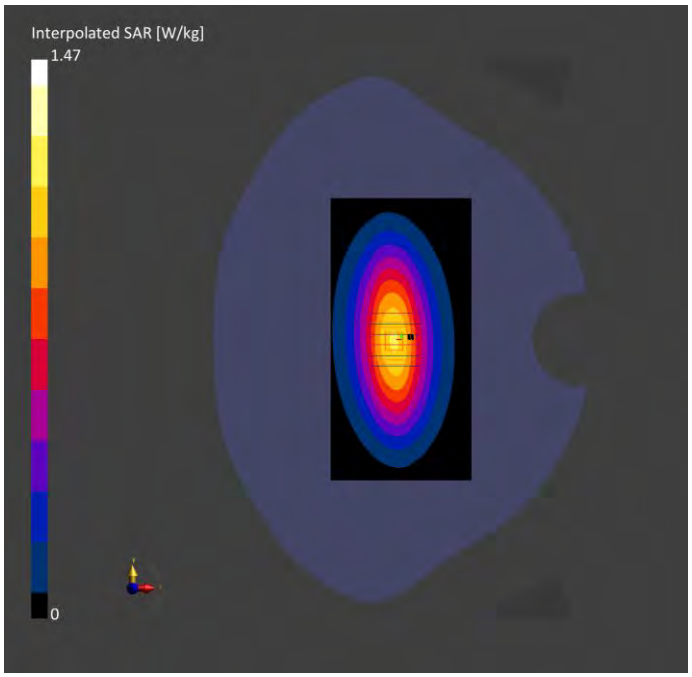
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) -1859	HBBL-600-10000 2024-02-27	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 160.0	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	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-02-27	2024-02-27
psSAR1g [W/kg]	0.968	0.978
psSAR10g [W/kg]	0.65	0.622
Power Drift [dB]	0.02	0.05
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		83.4
Dist 3dB Peak [mm]		12.7


Interpolated SAR [W/kg]
1.47
0

System Performance Check Data (1750MHz)

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
D1750V2, SPEAG	10.0 x 10.0 x 3.0	Dipole

Exposure Conditions

Phantom Section, TSL	Position, Distance [mm]	TestBand	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL		D1750	CW, 0--	1750.0, 50	8.52	1.36	40.1	22.2	21.6

Hardware Setup

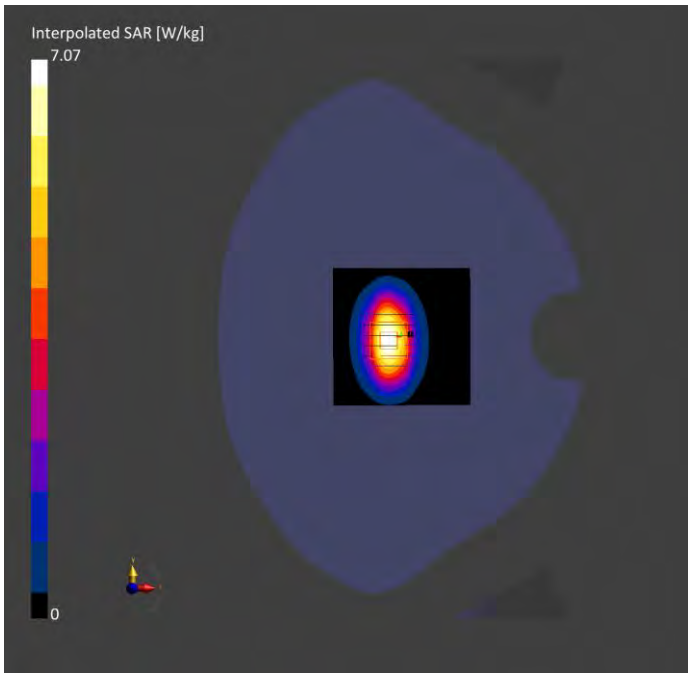
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) -1859	HBBL-600-10000 2024-02-18	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 80.0	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	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-02-18	2024-02-18
psSAR1g [W/kg]	3.82	3.77
psSAR10g [W/kg]	1.97	1.89
Power Drift [dB]	-0.05	0.02
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		81.2
Dist 3dB Peak [mm]		10.4


Interpolated SAR [W/kg]
7.07
0

System Performance Check Data (1900MHz)

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
D1900V2, SPEAG	10.0 x 10.0 x 3.0	Dipole

Exposure Conditions

Phantom Section, TSL	Position, Distance [mm]	TestBand	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL		D1900	CW, 0--	1900.0, 50	7.98	1.41	39.3	22.8	21.4

Hardware Setup

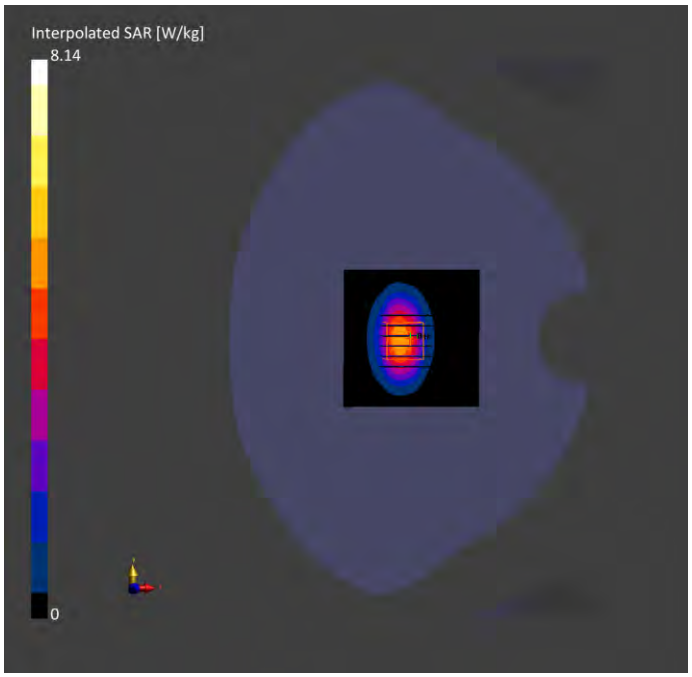
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) -1859	HBBL-600-10000 2024-02-19	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 80.0	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	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-02-19	2024-02-19
psSAR1g [W/kg]	4.08	4.05
psSAR10g [W/kg]	2.02	2.07
Power Drift [dB]	0.05	0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		83.1
Dist 3dB Peak [mm]		9.2


Interpolated SAR [W/kg]
8.14
0

System Performance Check Data (2450MHz)

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
CD2450V2, SPEAG	10.0 x 10.0 x 3.0	Dipole

Exposure Conditions

Phantom Section, TSL	Position, Distance [mm]	TestBand	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL		CD2450V2	CW, 0--	2450.0, 50	7.47	1.80	39.4	22.2	21.9

Hardware Setup

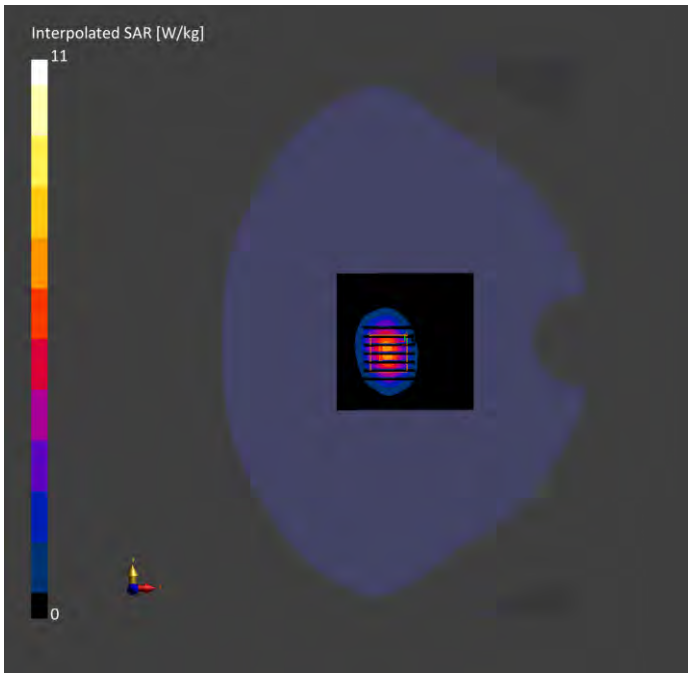
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) -1859	HBBL-600-10000 2024-02-20	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 80.0	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	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-02-20	2024-02-20
psSAR1g [W/kg]	5.37	5.41
psSAR10g [W/kg]	2.46	2.48
Power Drift [dB]	0.01	0.04
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		81.5
Dist 3dB Peak [mm]		8.8


Interpolated SAR [W/kg]
11
0

System Performance Check Data (2600MHz)

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
CD2600V2, SPEAG	10.0 x 10.0 x 3.0	Dipole

Exposure Conditions

Phantom Section, TSL	Position, Distance [mm]	TestBand	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL		CD2600V2	CW, 0--	2600.0, 50	7.41	1.96	39.2	22.4	21.7

Hardware Setup

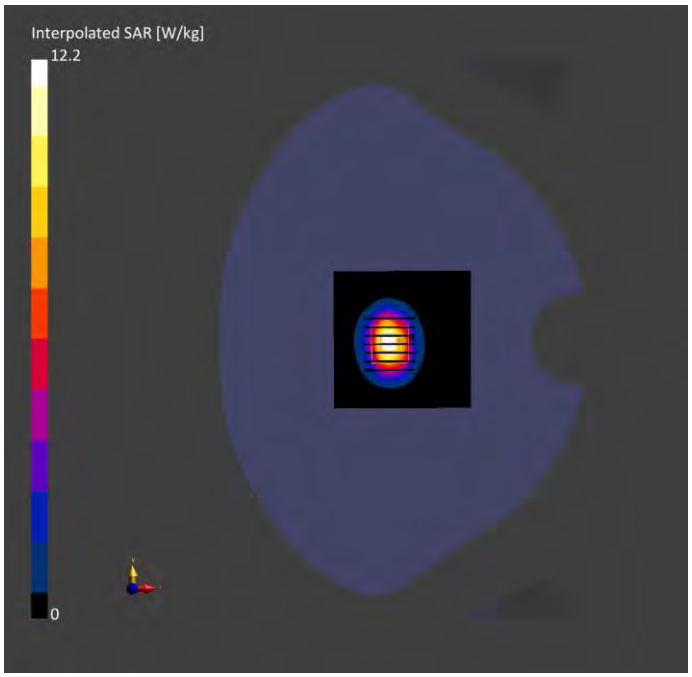
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) -1859	HBBL-600-10000 2024-02-21	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 80.0	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	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-02-21	2024-02-21
psSAR1g [W/kg]	5.88	5.64
psSAR10g [W/kg]	2.64	2.45
Power Drift [dB]	0.02	0.08
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		82.4
Dist 3dB Peak [mm]		8.2


Interpolated SAR [W/kg]
12.2
0

System Performance Check Data (2600MHz)

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
CD2600V2, SPEAG	10.0 x 10.0 x 3.0	Dipole

Exposure Conditions

Phantom Section, TSL	Position, Distance [mm]	TestBand	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL		CD2600V2	CW, 0--	2600.0, 50	7.41	1.98	39.6	22.2	21.2

Hardware Setup

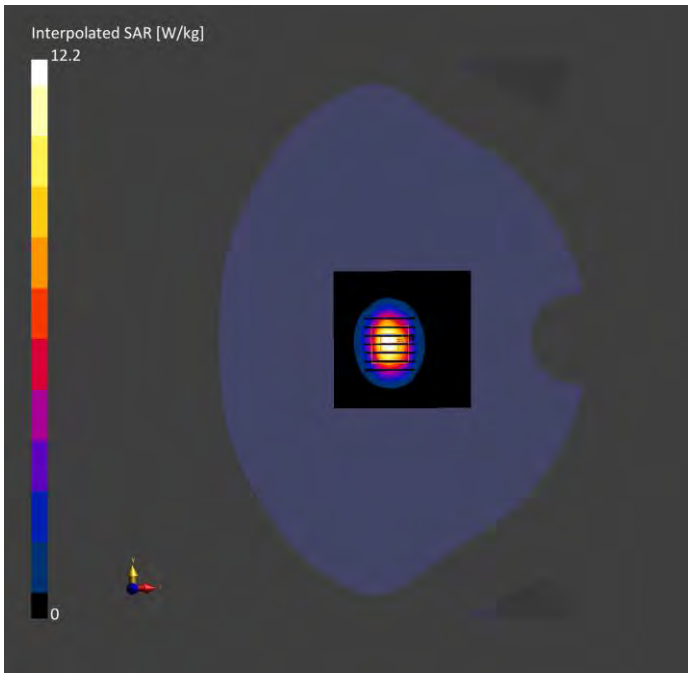
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-02-22	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 80.0	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	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-02-22	2024-02-22
psSAR1g [W/kg]	5.73	5.65
psSAR10g [W/kg]	2.47	2.42
Power Drift [dB]	0.04	0.03
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		83.4
Dist 3dB Peak [mm]		9.6


Interpolated SAR [W/kg]
12.2
0

System Performance Check Data (5250MHz)

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
D5GHZV2, SPEAG	10.0 x 10.0 x 3.0	Dipole

Exposure Conditions

Phantom Section, TSL	Position, Distance [mm]	TestBand	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL		Validation band	CW, 0--	5250.0, 5250	5.41	4.65	36.4	22.5	21.2

Hardware Setup

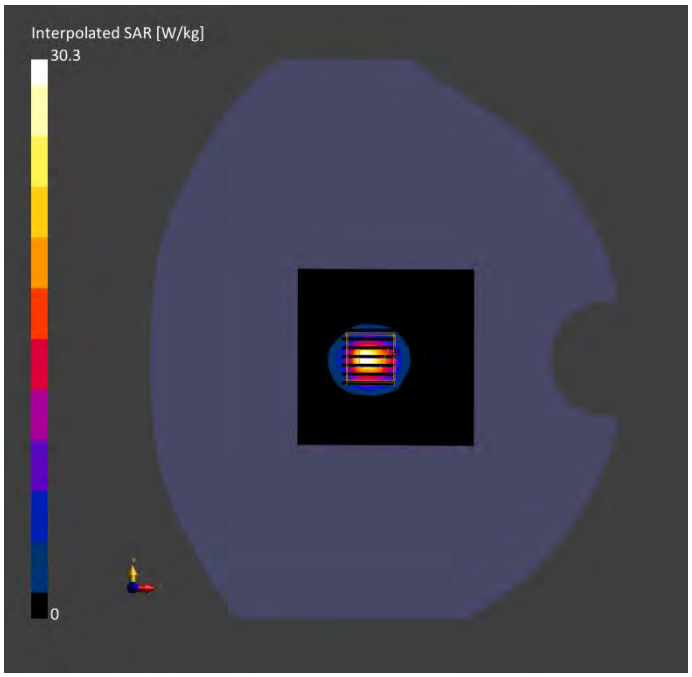
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) -1859	HBBL-600-10000 2024-02-23	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 80.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 1.4
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.4
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-02-23	2024-02-23
psSAR1g [W/kg]	7.95	7.81
psSAR10g [W/kg]	2.32	2.22
Power Drift [dB]	0.15	0.03
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		75.2
Dist 3dB Peak [mm]		8.1


Interpolated SAR [W/kg]
30.3
0

System Performance Check Data (5600MHz)

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
D5GHZV2, SPEAG	10.0 x 10.0 x 3.0	Dipole

Exposure Conditions

Phantom Section, TSL	Position, Distance [mm]	TestBand	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL		Validation band	CW, 0--	5600.0, 5600	4.58	5.00	35.4	22.3	21.5

Hardware Setup

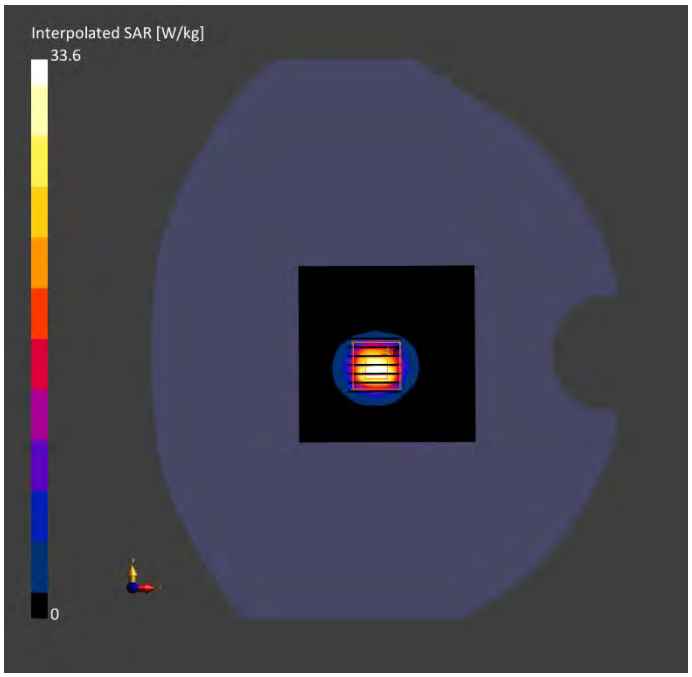
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) -1859	HBBL-600-10000 2024-02-24	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 80.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 1.4
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.4
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-02-24	2024-02-24
psSAR1g [W/kg]	7.99	8.19
psSAR10g [W/kg]	2.17	2.32
Power Drift [dB]	0.05	0.17
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		70.4
Dist 3dB Peak [mm]		8.1


Interpolated SAR [W/kg]
33.6
0

System Performance Check Data (5750MHz)

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
D5GHZV2, SPEAG	10.0 x 10.0 x 3.0	Dipole

Exposure Conditions

Phantom Section, TSL	Position, Distance [mm]	TestBand	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL		Validation band	CW, 0--	5750.0, 5750	4.78	5.22	35.5	22.2	21.5

Hardware Setup

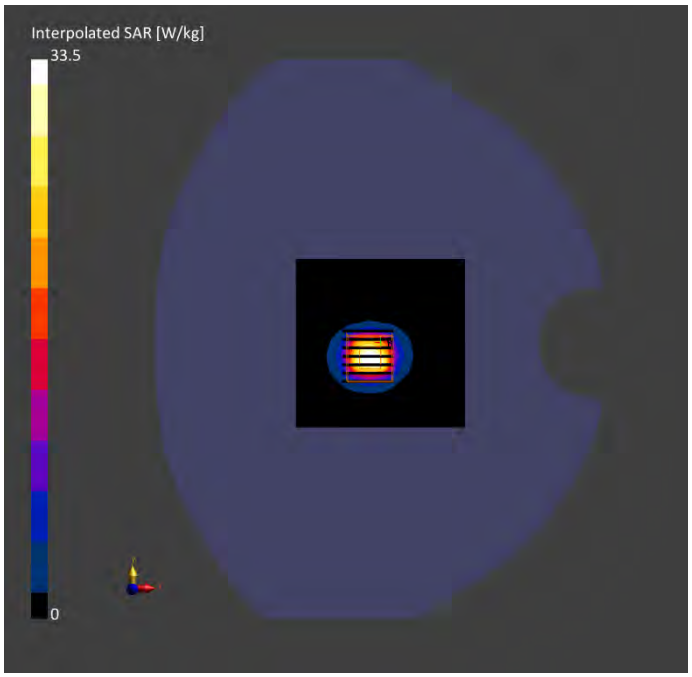
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) -1859	HBBL-600-10000 2024-02-25	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 80.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 1.4
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.4
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-02-25	2024-02-25
psSAR1g [W/kg]	7.87	7.74
psSAR10g [W/kg]	2.42	2.15
Power Drift [dB]	0.01	0.04
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		67.3
Dist 3dB Peak [mm]		8.4


Interpolated SAR [W/kg]
33.5
0

ANNEX C TEST DATA

Meas.1 Right Head with Cheek on High Channel in GPRS850 2slots mode with Antenna 1

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
XR2	165.0 x 75.0 x 8.0	Mobile Computer

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Right Head, HSL	CHEEK, 0.00	GSM 850	GSM, 10028-DAC	848.8, 251	9.96	0.91	40.3	22.3	21.6

Hardware Setup

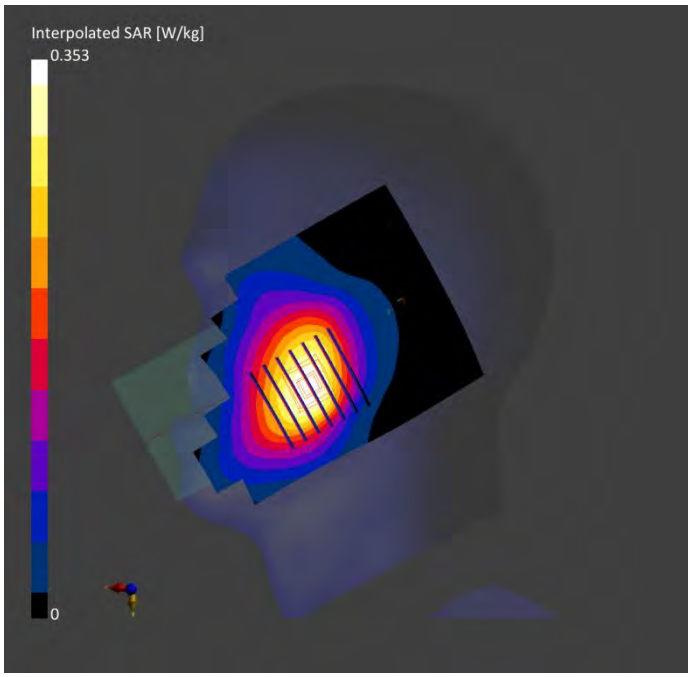
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-02-16	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 210.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-02-16	2024-02-16
psSAR1g [W/kg]	0.260	0.272
psSAR10g [W/kg]	0.176	0.205
Power Drift [dB]	-0.07	0.03
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		77.1
Dist 3dB Peak [mm]		20.5


Interpolated SAR [W/kg]
0.353
0

Meas.2 Body Plane with Front Side 10mm on High Channel in GPRS850 2Slots mode with Antenna 1

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
XR2	165.0 x 75.0 x 140.0	Mobile Computer

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	FRONT, 10.00	GSM 850	GSM, 10028-DAC	848.8, 251	9.96	0.91	40..3	22.3	21.6

Hardware Setup

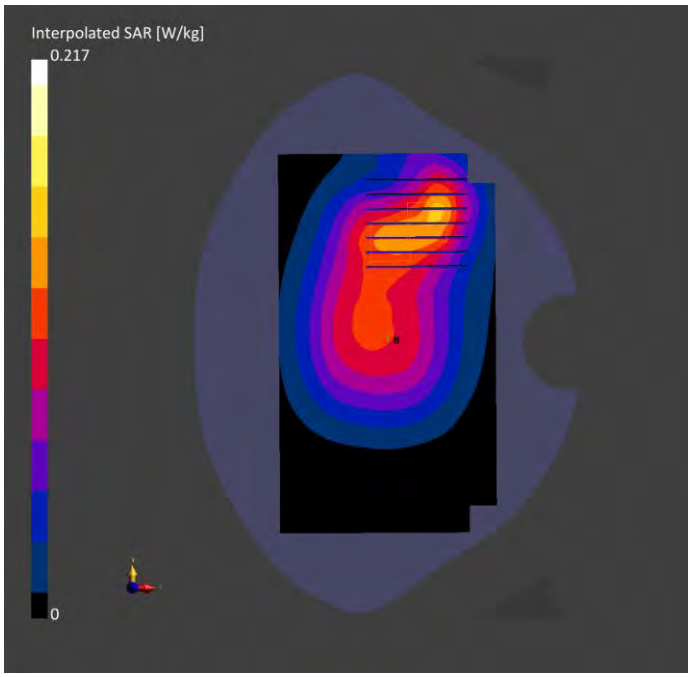
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-02-16	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 210.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-02-16	2024-02-16
psSAR1g [W/kg]	0.130	0.132
psSAR10g [W/kg]	0.087	0.091
Power Drift [dB]	-0.03	0.08
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		58.3
Dist 3dB Peak [mm]		17.0


Interpolated SAR [W/kg]
0.217
0

Meas.3 Extremity Plane with Front Side 0mm on High Channel in GPRS850 2Slots mode with Antenna 1

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
XR2	165.0 x 75.0 x 140.0	Mobile Computer

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	FRONT, 0.00	GSM 850	GSM, 10028-DAC	848.8, 251	9.96	0.91	40.3	22.3	21.6

Hardware Setup

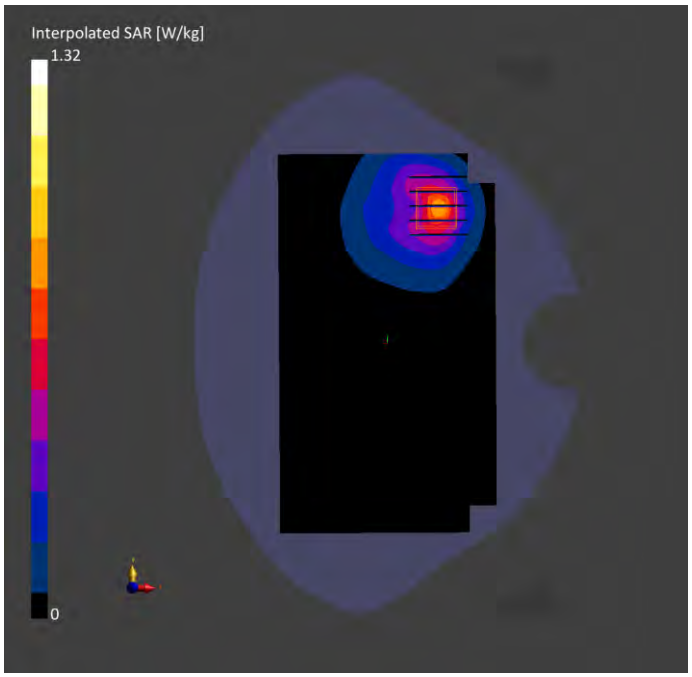
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-02-16	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 210.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-02-16	2024-02-16
psSAR1g [W/kg]	0.689	0.689
psSAR10g [W/kg]	0.410	0.374
Power Drift [dB]	-0.07	0.00
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		49.8
Dist 3dB Peak [mm]		12.8


Interpolated SAR [W/kg]
1.32
0

Meas.4 Left Head with Cheek on Low Channel in GPRS1900 4Slots mode with Antenna 1

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
XR2	165.0 x 75.0 x 8.0	Mobile Computer

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Left Head, HSL	CHEEK, 0.00	PCS 1900	GSM, 10028-DAC	1850.2, 512	7.98	1.40	40.0	22.8	21.4

Hardware Setup

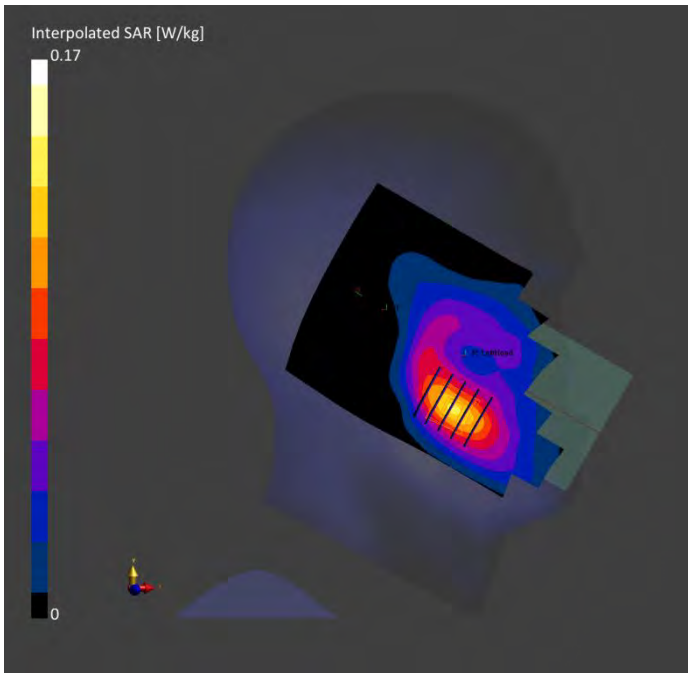
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-02-19	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 210.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	Y	Y
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-02-19	2024-02-19
psSAR1g [W/kg]	0.104	0.110
psSAR10g [W/kg]	0.060	0.068
Power Drift [dB]	-0.00	-0.14
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		63.7
Dist 3dB Peak [mm]		14.0


Interpolated SAR [W/kg]
0.17
0

Meas.5 Body Plane with Bottom Edge 10mm on Low Channel in GPRS1900 4slots mode with Antenna 1

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
XR2	165.0 x 75.0 x 10.0	Mobile Computer

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	EDGE BOTTOM, 10.00	PCS 1900	GSM, 10028-DAC	1850.2, 512	7.98	1.40	40.0	22.8	21.4

Hardware Setup

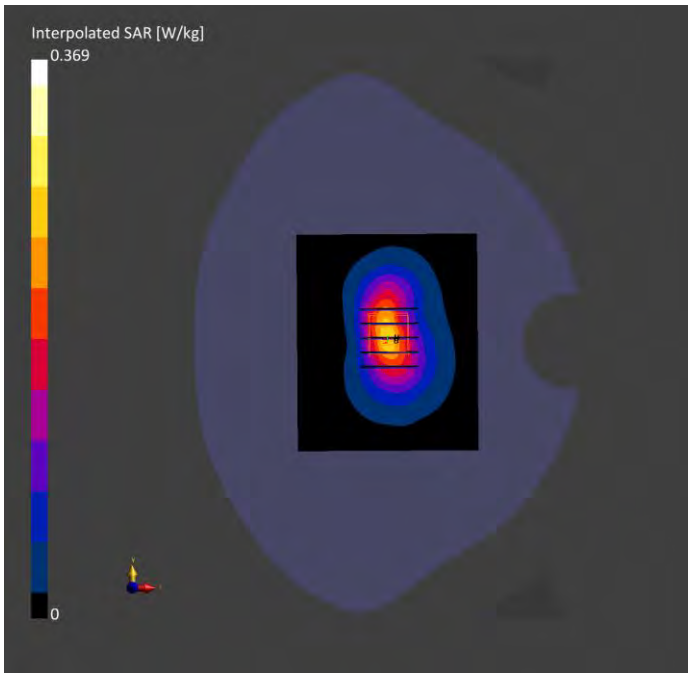
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-02-19	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	100.0 x 120.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	10.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-02-19	2024-02-19
psSAR1g [W/kg]	0.220	0.228
psSAR10g [W/kg]	0.121	0.128
Power Drift [dB]	0.01	0.00
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		61.7
Dist 3dB Peak [mm]		11.3


Interpolated SAR [W/kg]
0.369
0

Meas.6 Extremity Plane with Bottom Edge 0mm on Low Channel in GPRS1900 4slots mode with Antenna 1

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
XR2	165.0 x 75.0 x 10.0	Mobile Computer

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	EDGE BOTTOM, 0.00	PCS 1900	GSM, 10028-DAC	1850.2, 512	7.98	1.40	40.0	22.8	21.4

Hardware Setup

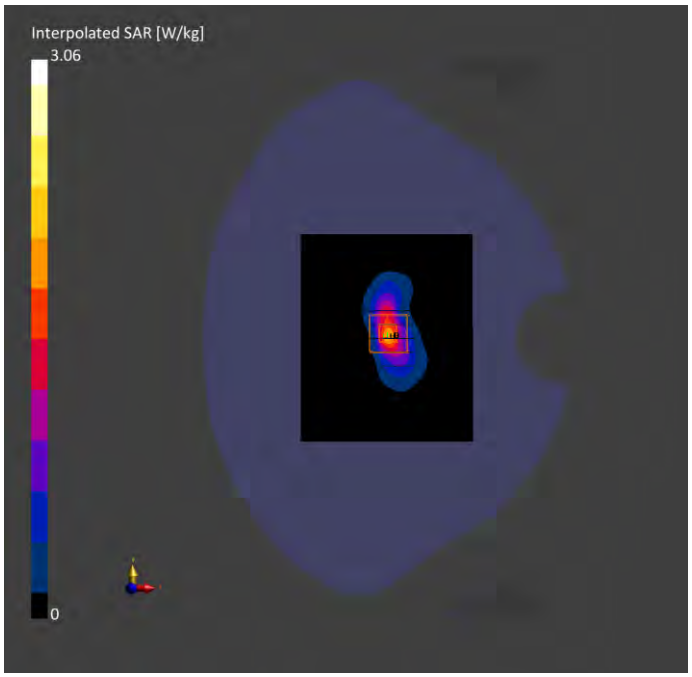
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-02-19	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	100.0 x 120.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	10.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-02-19	2024-02-19
psSAR1g [W/kg]	1.46	1.49
psSAR10g [W/kg]	0.654	0.656
Power Drift [dB]	-0.07	0.00
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		47.2
Dist 3dB Peak [mm]		5.1


Interpolated SAR [W/kg]
3.06
0

Meas.7 Left Head with Tilt on Low Channel in WCDMA Band2 mode with Antenna 1

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
XR2	165.0 x 75.0 x 8.0	Mobile Computer

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Left Head, HSL	TILT, 0.00	Band 2	WCDMA, 10457-AAB	1852.4, 9262	7.98	1.40	39.7	22.8	21.4

Hardware Setup

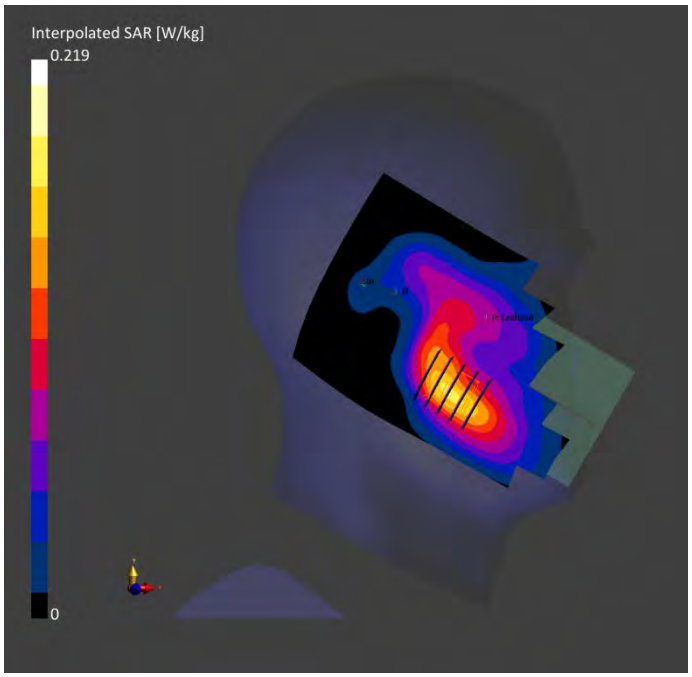
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-02-19	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 210.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	Y	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-02-19	2024-02-19
psSAR1g [W/kg]	0.137	0.143
psSAR10g [W/kg]	0.081	0.091
Power Drift [dB]	0.01	-0.03
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		65.9
Dist 3dB Peak [mm]		14.5


Interpolated SAR [W/kg]
0.219
0

Meas.8 Body Plane with Bottom Edge 10mm on Low Channel in WCDMA Band2 mode with Antenna 1

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
XR2	165.0 x 75.0 x 10.0	Mobile Computer

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	EDGE BOTTOM, 10.00	Band 2	WCDMA, 10011-CAC	1852.4, 9262	7.98	1.40	39.7	22.8	21.4

Hardware Setup

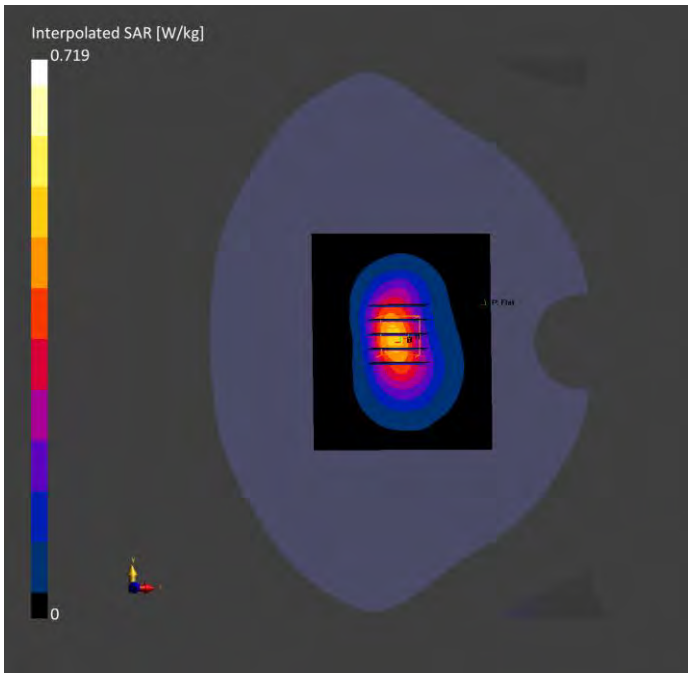
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-02-19	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	100.0 x 120.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	10.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-02-19	2024-02-19
psSAR1g [W/kg]	0.422	0.437
psSAR10g [W/kg]	0.238	0.247
Power Drift [dB]	-0.18	-0.03
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		61.5
Dist 3dB Peak [mm]		11.2


Interpolated SAR [W/kg]
0.719
0

Meas.9 Extremity Plane with Bottom Edge 0mm on Low Channel in WCDMA Band2 mode with Antenna 1

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
XR2	165.0 x 75.0 x 10.0	Mobile Computer

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	EDGE BOTTOM, 0.00	Band 2	WCDMA, 10011-CAC	1852.4, 9262	7.98	1.40	39.7	22.8	21.4

Hardware Setup

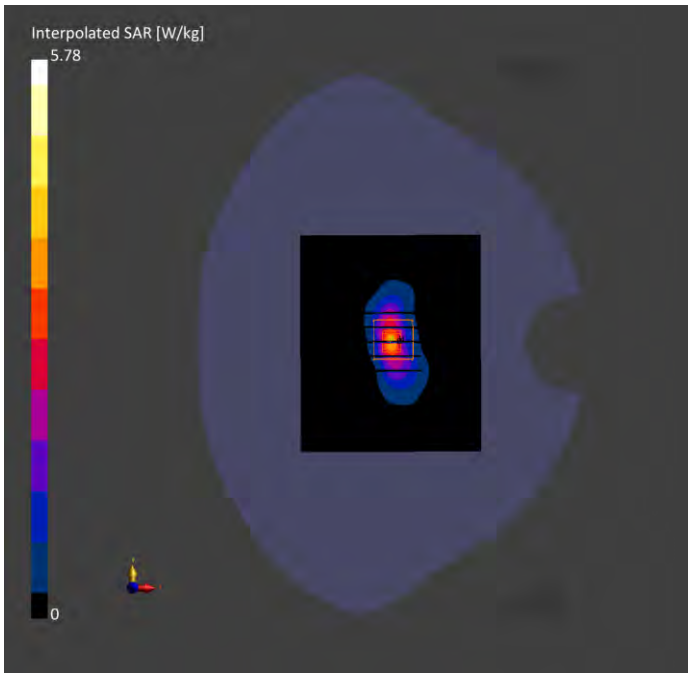
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-02-19	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	100.0 x 120.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	10.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-02-19	2024-02-19
psSAR1g [W/kg]	2.74	2.75
psSAR10g [W/kg]	1.21	1.22
Power Drift [dB]	0.00	0.00
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		48.0
Dist 3dB Peak [mm]		6.4


Interpolated SAR [W/kg]
5.78
0

Meas.10 Left Head with Cheek on Low Channel in WCDMA Band4 mode with Antenna 1

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
XR2	165.0 x 75.0 x 8.0	Mobile Computer

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Left Head, HSL	CHEEK, 0.00	Band 4	WCDMA, 10457-AAB	1712.4, 1312	8.52	1.33	41.0	22.2	21.6

Hardware Setup

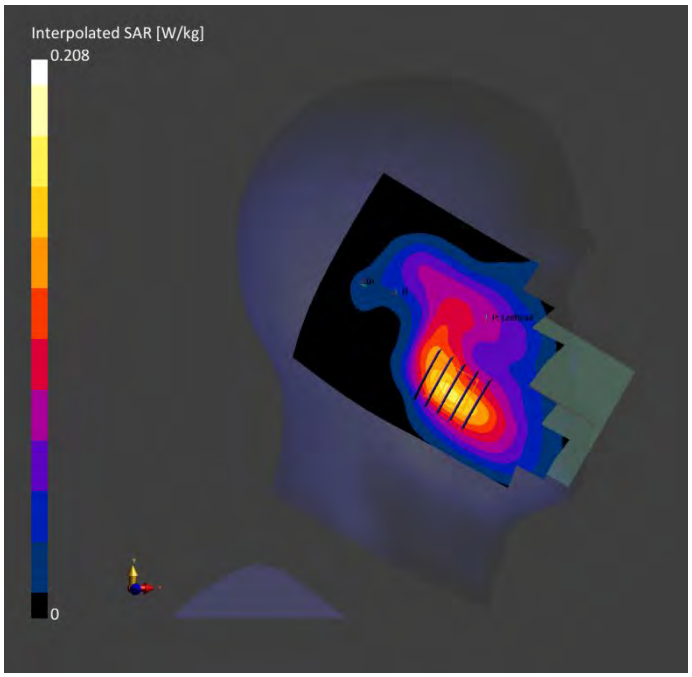
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-02-18	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 210.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	Y	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-02-18	2024-02-18
psSAR1g [W/kg]	0.131	0.136
psSAR10g [W/kg]	0.078	0.087
Power Drift [dB]	0.02	0.14
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		65.9
Dist 3dB Peak [mm]		14.5


Interpolated SAR [W/kg]
0.208
0

Meas.11 Body Plane with Bottom Edge 10mm on Low Channel in WCDMA B4 mode with Antenna 1

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
XR2	165.0 x 75.0 x 10.0	Mobile Computer

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	EDGE BOTTOM, 10.00	Band 4	WCDMA, 10011-CAC	1712.4, 1312	8.52	1.33	41.0	22.2	21.6

Hardware Setup

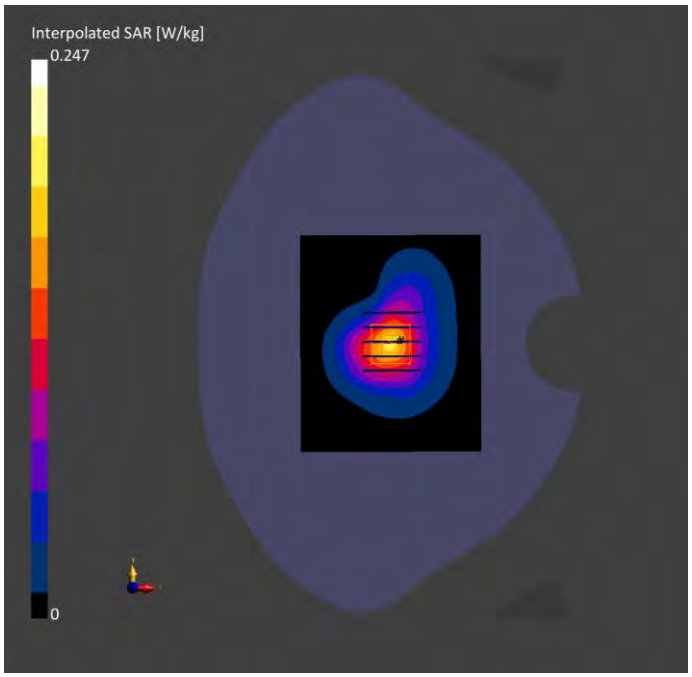
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-02-18	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	100.0 x 120.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	10.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-02-18	2024-02-18
psSAR1g [W/kg]	0.154	0.157
psSAR10g [W/kg]	0.087	0.092
Power Drift [dB]	0.02	0.00
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		64.8
Dist 3dB Peak [mm]		15.8


Interpolated SAR [W/kg]
0.247
0

Meas.12 Extremity Plane with Bottom Edge 0mm on Low Channel in WCDMA B4 mode with Antenna 1

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
XR2	165.0 x 75.0 x 10.0	Mobile Computer

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	EDGE BOTTOM, 0.00	Band 4	WCDMA, 10011-CAC	1712.4, 1312	8.52	1.33	41.0	22.2	21.6

Hardware Setup

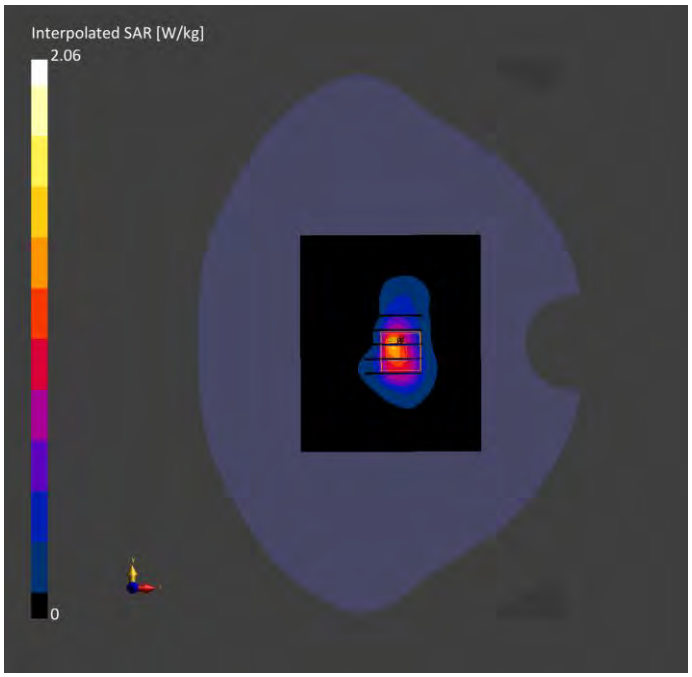
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-02-18	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	100.0 x 120.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	10.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-02-18	2024-02-18
psSAR1g [W/kg]	1.05	1.09
psSAR10g [W/kg]	0.522	0.522
Power Drift [dB]	-0.03	-0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		53.4
Dist 3dB Peak [mm]		6.4


Interpolated SAR [W/kg]
2.06
0

Meas.13 Right Head with Cheek on Middle Channel in WCDMA B5 mode with Antenna 1

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
XR2	165.0 x 75.0 x 8.0	Mobile Computer

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Right Head, HSL	CHEEK, 0.00	Band 5	WCDMA, 10457-AAB	836.4, 4182	9.96	0.89	40.9	22.3	21.6

Hardware Setup

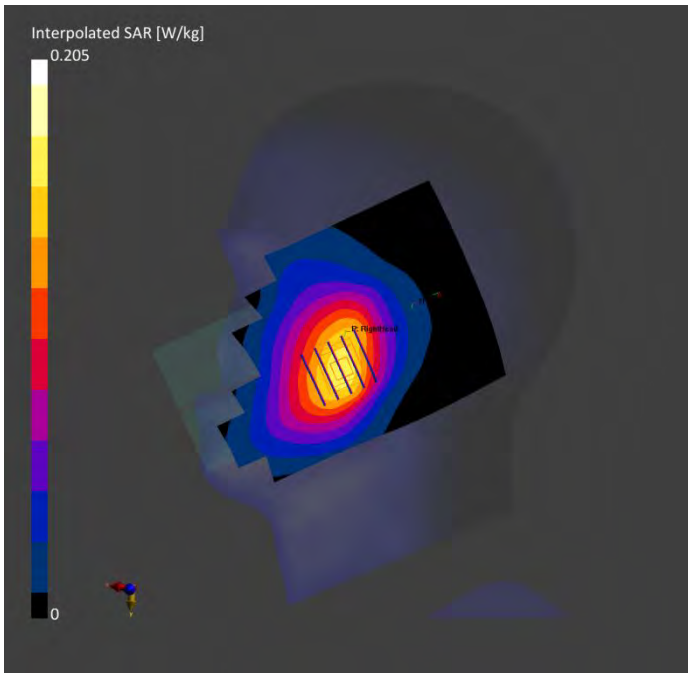
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-02-16	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 210.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-02-16	2024-02-16
psSAR1g [W/kg]	0.147	0.155
psSAR10g [W/kg]	0.10	0.117
Power Drift [dB]	-0.05	0.03
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		74.5
Dist 3dB Peak [mm]		19.0


Interpolated SAR [W/kg]
0.205
0

Meas.14 Body Plane with Front Side 10mm on High Channel in WCDMA Band5 mode with Antenna 1

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
XR2	165.0 x 75.0 x 140.0	Mobile Computer

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	FRONT, 10.00	Band 5	WCDMA, 10011-CAC	836.4, 4182	9.96	0.89	40.9	22.3	21.6

Hardware Setup

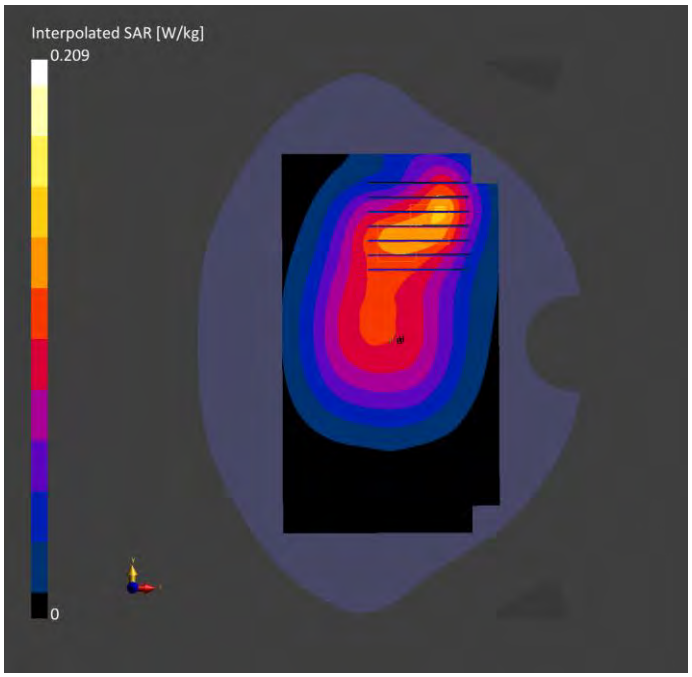
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-02-16	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 210.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-02-16	2024-02-16
psSAR1g [W/kg]	0.124	0.128
psSAR10g [W/kg]	0.084	0.087
Power Drift [dB]	0.06	0.00
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		58.2
Dist 3dB Peak [mm]		17.0


Interpolated SAR [W/kg]
0.209
0

Meas.15 Extremity Plane with Front Side 0mm on Middle Channel in WCDMA Band5 mode with Antenna 1

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
XR2	165.0 x 75.0 x 140.0	Mobile Computer

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	FRONT, 0.00	Band 5	WCDMA, 10011-CAC	836.4, 4182	9.96	0.89	40.9	22.3	21.6

Hardware Setup

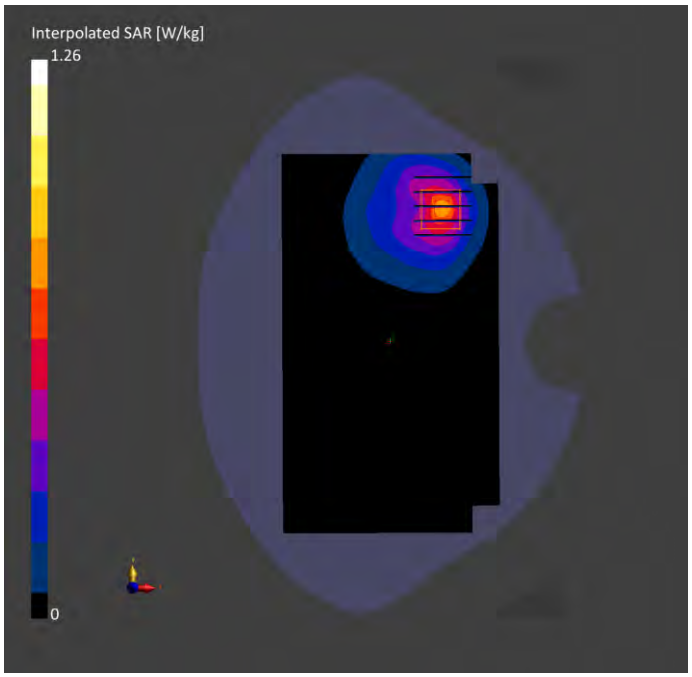
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-02-16	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 210.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-02-16	2024-02-16
psSAR1g [W/kg]	0.656	0.664
psSAR10g [W/kg]	0.392	0.363
Power Drift [dB]	-0.01	0.00
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		50.4
Dist 3dB Peak [mm]		12.8


Interpolated SAR [W/kg]
1.26
0

Meas.16 Left Head with Cheek on Middle Channel in CDMA BC0 mode with Antenna 1

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
XR2	165.0 x 75.0 x 8.0	Mobile Computer

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Left Head, HSL	CHEEK, 0.00	Band Class 0	CDMA2000, 10290-AAB	836.5, 384	9.96	0.91	41.8	22.4	21.5

Hardware Setup

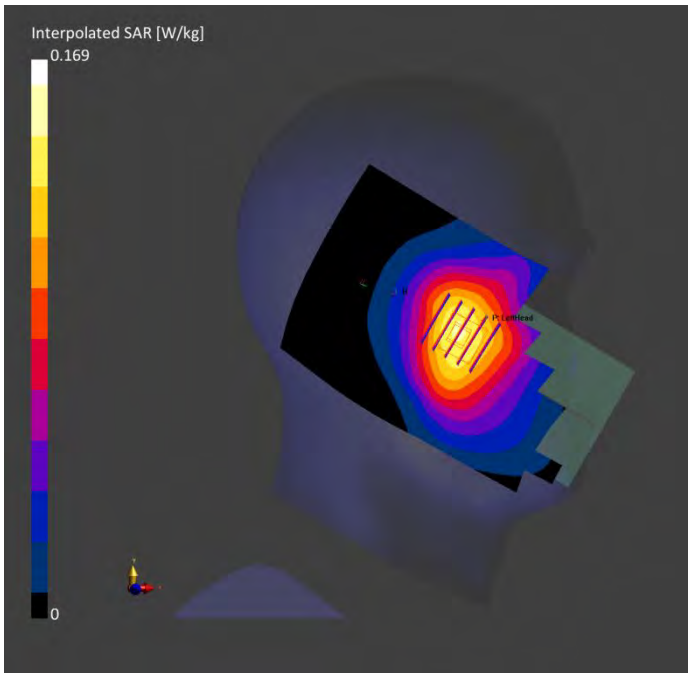
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-02-17	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 210.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-02-17	2024-02-17
psSAR1g [W/kg]	0.125	0.133
psSAR10g [W/kg]	0.087	0.105
Power Drift [dB]	-0.02	-0.03
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		77.7
Dist 3dB Peak [mm]		> 16.0


Interpolated SAR [W/kg]
0.169
0

Meas.17 Body Plane with Front Side 10mm on Middle Channel in CDMA BC0 mode with Antenna 1

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
XR2	165.0 x 75.0 x 140.0	Mobile Computer

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	FRONT, 10.00	Band Class 0	CDMA2000, 10290-AAB	836.5, 384	9.96	0.91	41.8	22.4	21.5

Hardware Setup

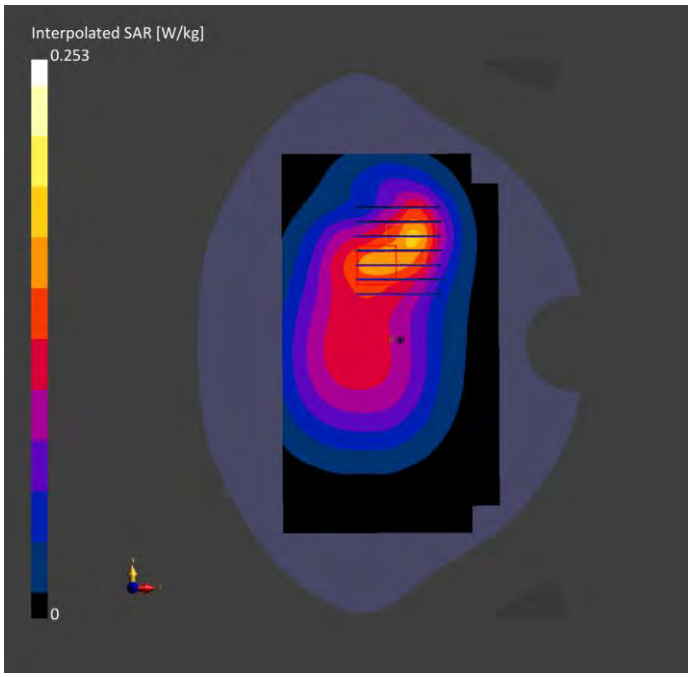
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-02-17	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 210.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-02-17	2024-02-17
psSAR1g [W/kg]	0.151	0.154
psSAR10g [W/kg]	0.100	0.101
Power Drift [dB]	0.03	-0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		58.7
Dist 3dB Peak [mm]		17.0


Interpolated SAR [W/kg]
0.253
0

Meas.18 Extremity Plane with Front Side 0mm on Middle Channel in CDMA BC0 mode mode with Antenna 1

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
XR2	165.0 x 75.0 x 140.0	Mobile Computer

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	FRONT, 0.00	Band Class 0	CDMA2000, 10290-AAB	836.5, 384	9.96	0.91	41.8	22.4	21.5

Hardware Setup

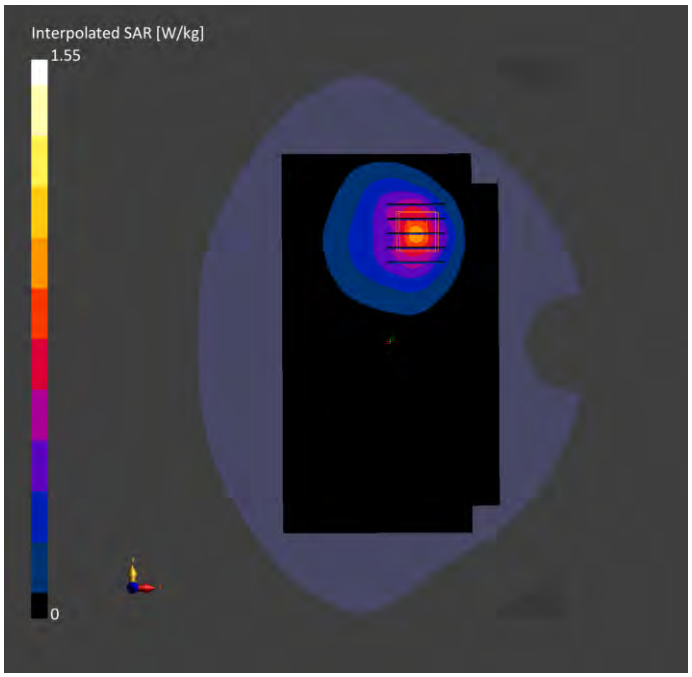
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-02-17	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 210.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-02-17	2024-02-17
psSAR1g [W/kg]	0.804	0.813
psSAR10g [W/kg]	0.487	0.443
Power Drift [dB]	0.00	0.02
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		46.5
Dist 3dB Peak [mm]		11.3


Interpolated SAR [W/kg]
1.55
0

Meas.19 Left Head with Cheek on High Channel in LTE Band2 mode with Antenna 1

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
XR2	165.0 x 75.0 x 8.0	Mobile Computer

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Left Head, HSL	CHEEK, 0.00	Band 2	LTE - FDD, 10169-CAF	1900.0, 19100	7.98	1.41	39.3	22.8	21.4

Hardware Setup

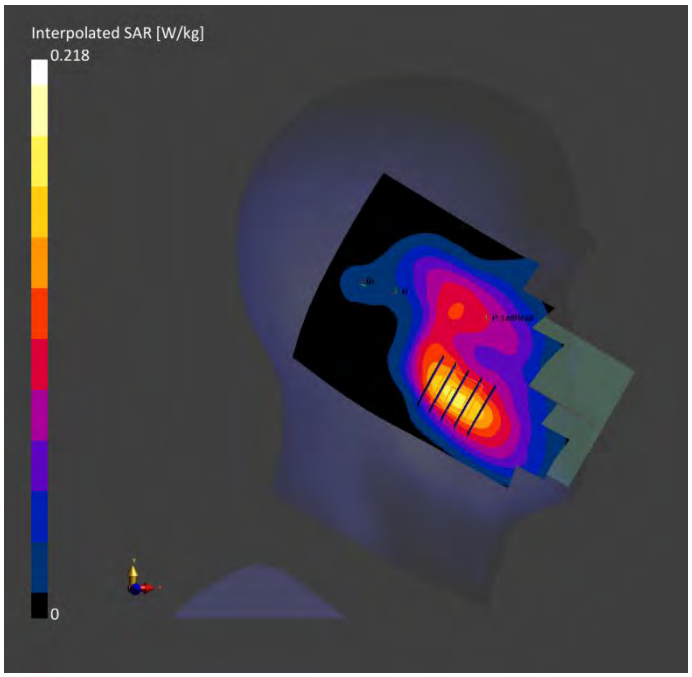
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-02-19	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 210.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	Y	Y
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-02-19	2024-02-19
psSAR1g [W/kg]	0.138	0.140
psSAR10g [W/kg]	0.081	0.089
Power Drift [dB]	-0.07	0.03
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		63.5
Dist 3dB Peak [mm]		14.0


Interpolated SAR [W/kg]
0.218
0

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Meas.20 Body Plane with Bottom Edge 10mm on High Channel in LTE Band2 mode with Antenna 1

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
XR2	165.0 x 75.0 x 10.0	Mobile Computer

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	EDGE BOTTOM, 10.00	Band 2	LTE - FDD, 10169-CAF	1900.0, 19100	7.98	1.41	39.3	22.8	21.4

Hardware Setup

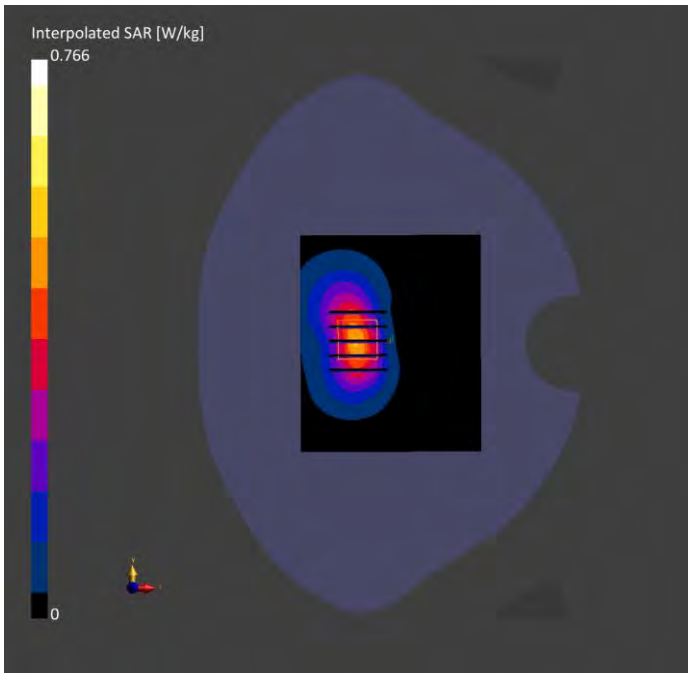
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-02-19	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	100.0 x 120.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	10.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-02-19	2024-02-19
psSAR1g [W/kg]	0.413	0.433
psSAR10g [W/kg]	0.224	0.237
Power Drift [dB]	0.01	-0.02
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		56.7
Dist 3dB Peak [mm]		11.3


Interpolated SAR [W/kg]
0.766
0

Meas.21 Extremity Plane with Bottom Edge 0mm on High Channel in LTE Band2 mode with Antenna 1

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
XR2	165.0 x 75.0 x 10.0	Mobile Computer

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	EDGE BOTTOM, 0.00	Band 2	LTE - FDD, 10169-CAF	1900.0, 19100	7.98	1.41	39.3	22.8	21.4

Hardware Setup

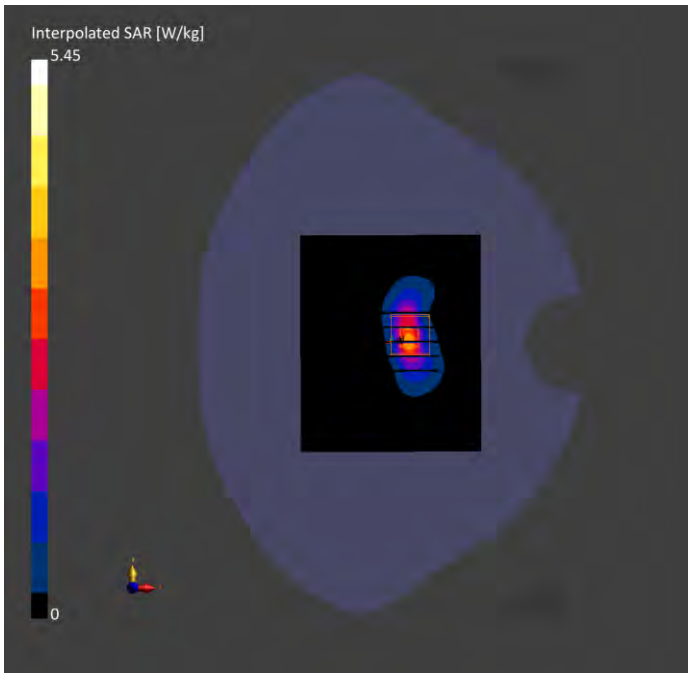
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-02-19	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	100.0 x 120.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	10.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-02-19	2024-02-19
psSAR1g [W/kg]	2.58	2.61
psSAR10g [W/kg]	1.12	1.13
Power Drift [dB]	0.11	-0.04
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		46.5
Dist 3dB Peak [mm]		5.8


Interpolated SAR [W/kg]
5.45
0

Meas.22 Left Head with Cheek on High Channel in LTE Band4 mode with Antenna 1

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
XR2	165.0 x 75.0 x 8.0	Mobile Computer

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Left Head, HSL	CHEEK, 0.00	Band 4	LTE - FDD, 10169-CAF	1745.0, 20300	8.52	1.35	40.3	22.2	21.6

Hardware Setup

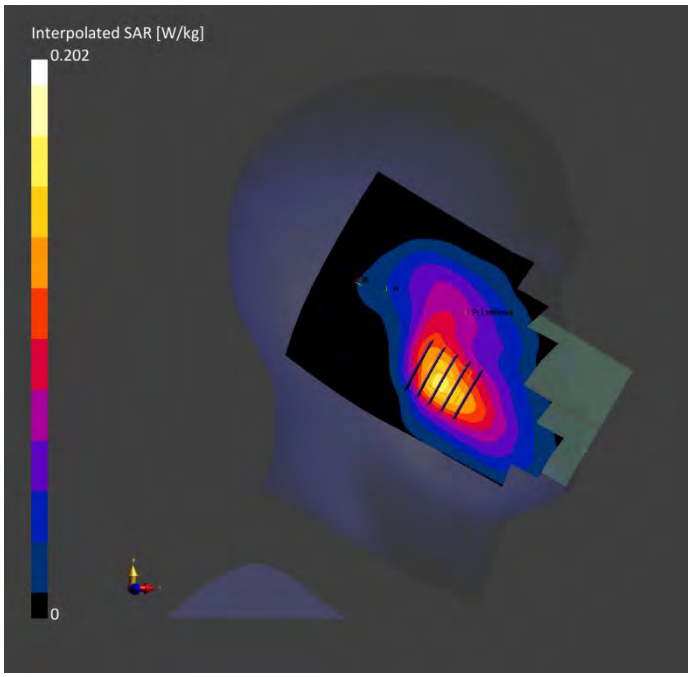
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-02-18	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 210.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	Y	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-02-18	2024-02-18
psSAR1g [W/kg]	0.131	0.138
psSAR10g [W/kg]	0.079	0.090
Power Drift [dB]	0.12	0.07
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		69.2
Dist 3dB Peak [mm]		13.0


Interpolated SAR [W/kg]
0.202
0

Meas.23 Body Plane with Bottom Edge 10mm on High Channel in LTE Band4 mode with Antenna 1

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
XR2	165.0 x 75.0 x 10.0	Mobile Computer

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	EDGE BOTTOM, 10.00	Band 4	LTE - FDD, 10169-CAF	1745.0, 20300	8.52	1.35	40.3	22.2	21.6

Hardware Setup

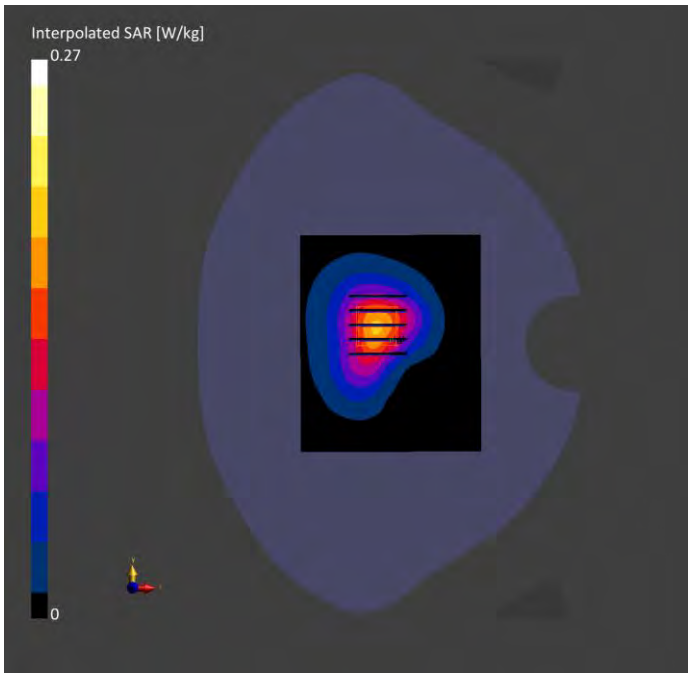
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-02-18	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	100.0 x 120.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	10.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	Y	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-02-18	2024-02-18
psSAR1g [W/kg]	0.154	0.165
psSAR10g [W/kg]	0.090	0.096
Power Drift [dB]	0.02	0.07
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		61.6
Dist 3dB Peak [mm]		16.0


Interpolated SAR [W/kg]
0.27
0

Meas.24 Extremity Plane with Bottom Edge 0mm on High Channel in LTE Band4 mode with Antenna 1

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
XR2	165.0 x 75.0 x 10.0	Mobile Computer

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	EDGE BOTTOM, 0.00	Band 4	LTE - FDD, 10169-CAF	1745.0, 20300	8.52	1.35	40.3	22.2	21.6

Hardware Setup

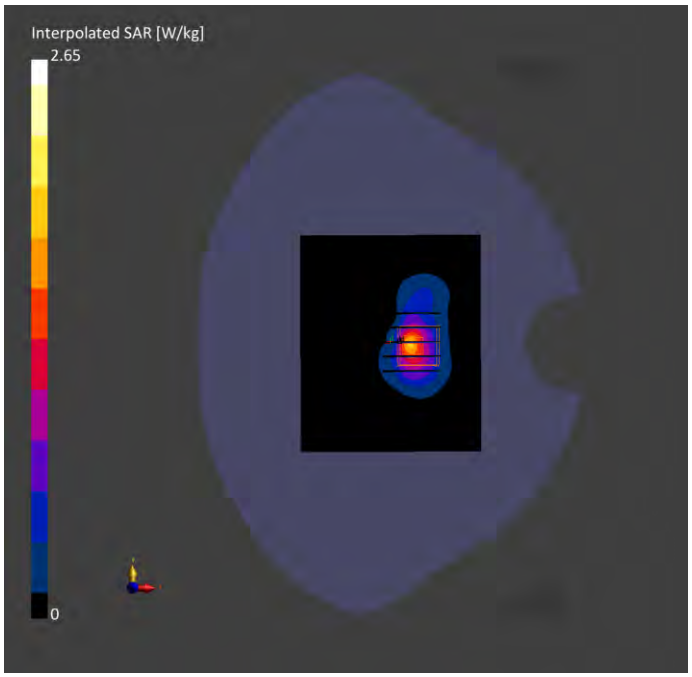
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-02-18	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	100.0 x 120.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	10.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-02-18	2024-02-18
psSAR1g [W/kg]	1.33	1.36
psSAR10g [W/kg]	0.624	0.629
Power Drift [dB]	-0.00	0.00
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		52.2
Dist 3dB Peak [mm]		6.4


Interpolated SAR [W/kg]
2.65
0

Meas.25 Right Head with Cheek on Middle Channel in LTE Band5 mode with Antenna 1

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
XR2	165.0 x 75.0 x 8.0	Mobile Computer

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Right Head, HSL	CHEEK, 0.00	Band 5	LTE - FDD, 10175-CAH	836.5, 20525	9.96	0.91	41.8	22.4	21.5

Hardware Setup

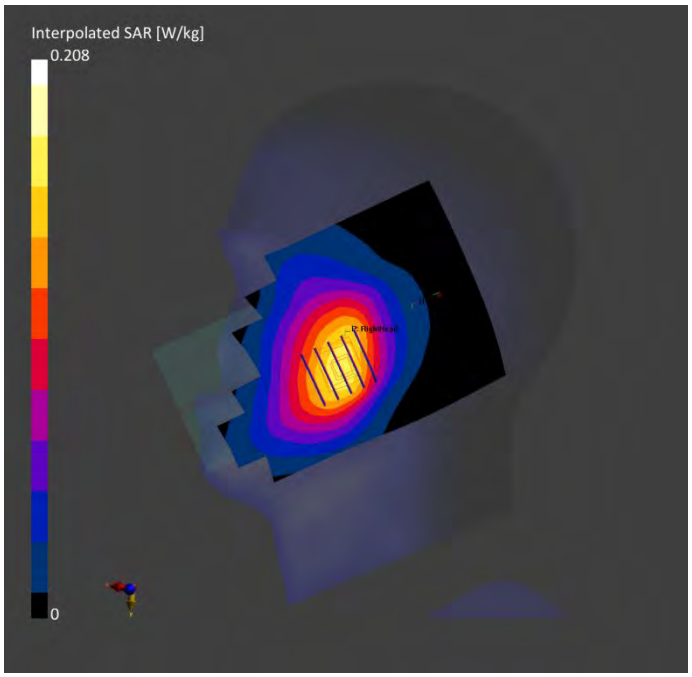
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-02-17	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 210.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-02-17	2024-02-17
psSAR1g [W/kg]	0.151	0.159
psSAR10g [W/kg]	0.102	0.120
Power Drift [dB]	0.03	-0.14
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		74.4
Dist 3dB Peak [mm]		19.0


Interpolated SAR [W/kg]
0.208
0

Meas.26 Body Plane with Front Side 10mm on Middle Channel in LTEBand5 mode mode with Antenna 1

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
XR2	165.0 x 75.0 x 140.0	Mobile Computer

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	FRONT, 10.00	Band 5	LTE - FDD, 10175-CAH	836.5, 20525	9.96	0.91	41.8	22.4	21.5

Hardware Setup

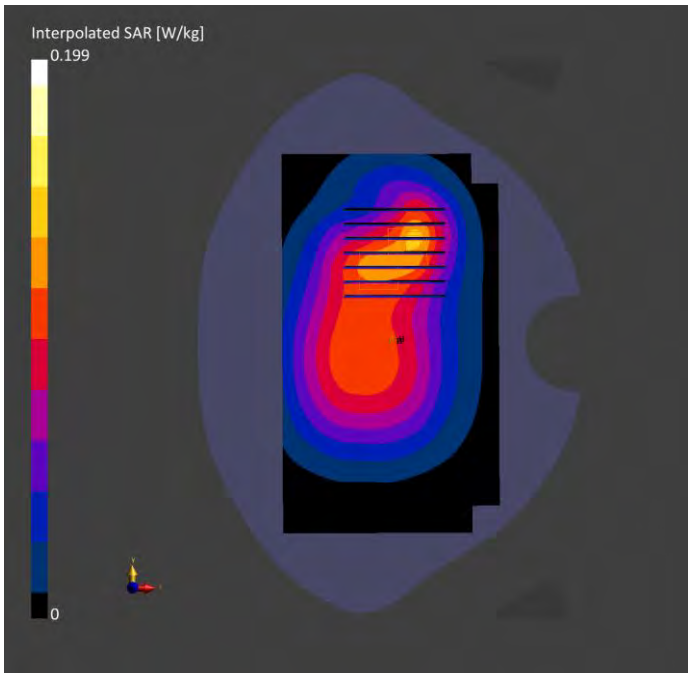
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-02-17	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 210.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-02-17	2024-02-17
psSAR1g [W/kg]	0.119	0.122
psSAR10g [W/kg]	0.080	0.083
Power Drift [dB]	-0.01	-0.03
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		59.9
Dist 3dB Peak [mm]		18.2


Interpolated SAR [W/kg]
0.199
0

Meas.27 Extremity Plane with Front Side 0mm on Middle Channel in LTE Band5 mode with Antenna 1

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
XR2	165.0 x 75.0 x 140.0	Mobile Computer

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	FRONT, 0.00	Band 5	LTE - FDD, 10175-CAH	836.5, 20525	9.96	0.91	41.8	22.4	21.5

Hardware Setup

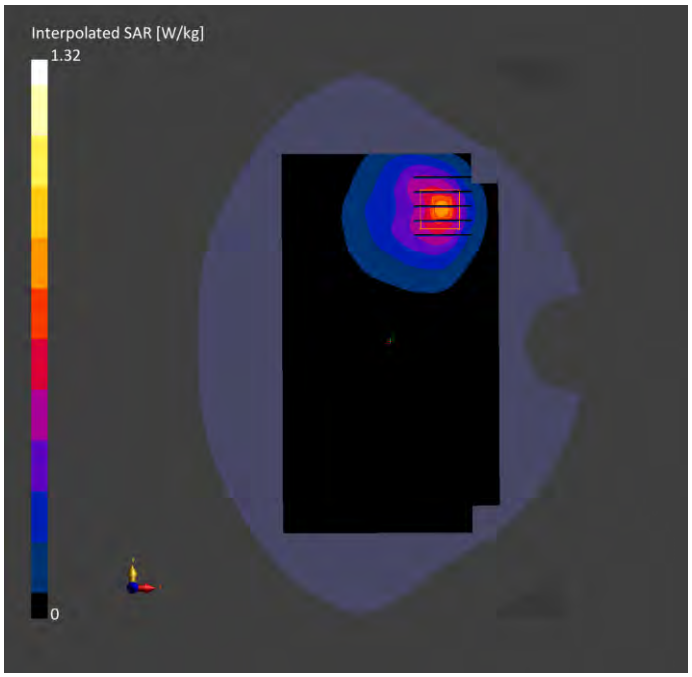
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-02-17	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 210.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-02-17	2024-02-17
psSAR1g [W/kg]	0.676	0.694
psSAR10g [W/kg]	0.406	0.379
Power Drift [dB]	-0.00	-0.11
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		50.5
Dist 3dB Peak [mm]		11.6


Interpolated SAR [W/kg]
1.32
0

Meas.28 Left Head with Cheek on Middle Channel in LTE Band7 mode with Antenna 1

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
XR2	165.0 x 75.0 x 8.0	Mobile Computer

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Left Head, HSL	CHEEK, 0.00	Band 7	LTE - FDD, 10169-CAF	2535.0, 21100	7.41	1.88	39.7	22.4	21.7

Hardware Setup

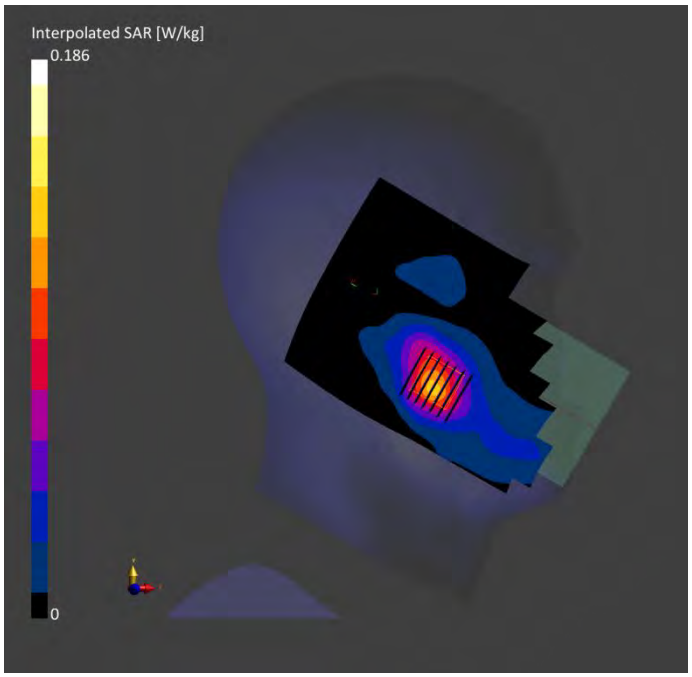
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-02-21	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

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

Measurement Results

	Area Scan	Zoom Scan
Date	2024-02-21	2024-02-21
psSAR1g [W/kg]	0.102	0.102
psSAR10g [W/kg]	0.053	0.054
Power Drift [dB]	-0.03	0.06
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		58.1
Dist 3dB Peak [mm]		11.9


Interpolated SAR [W/kg]
0.186
0

Meas.29 Body Plane with Bottom Edge 10mm on Middle Channel in LTE Band7 mode with Antenna 1

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
XR2	165.0 x 75.0 x 10.0	Mobile Computer

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	EDGE BOTTOM, 10.00	Band 7	LTE - FDD, 10169-CAF	2535.0, 21100	7.41	1.88	39.7	22.4	21.7

Hardware Setup

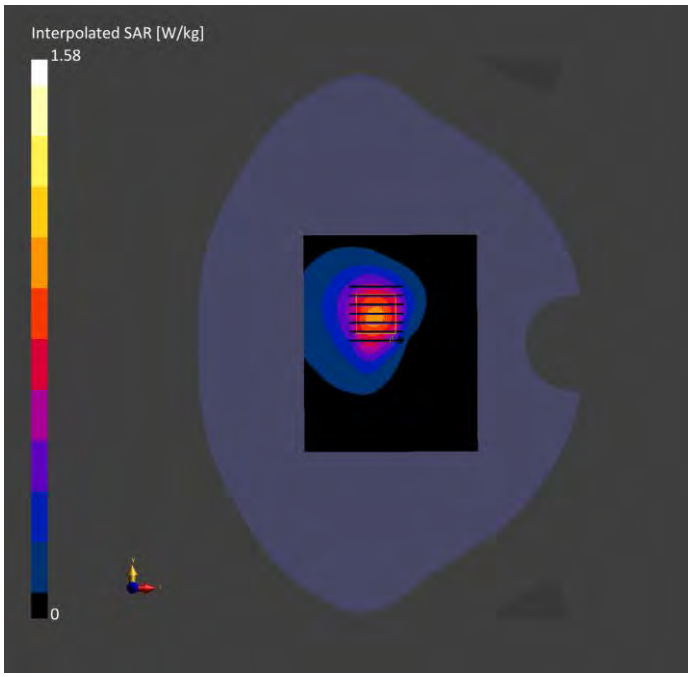
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-02-21	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	96.0 x 120.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-02-21	2024-02-21
psSAR1g [W/kg]	0.796	0.847
psSAR10g [W/kg]	0.423	0.446
Power Drift [dB]	0.00	-0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		52.2
Dist 3dB Peak [mm]		12.1


Interpolated SAR [W/kg]
1.58
0

Meas.30 Extremity Plane with Bottom Edge 0mm on Middle Channel in LTE Band7 mode with Antenna 1

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
XR2	165.0 x 75.0 x 10.0	Mobile Computer

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	EDGE BOTTOM, 0.00	Band 7	LTE - FDD, 10169-CAF	2535.0, 21100	7.41	1.88	39.7	22.4	21.7

Hardware Setup

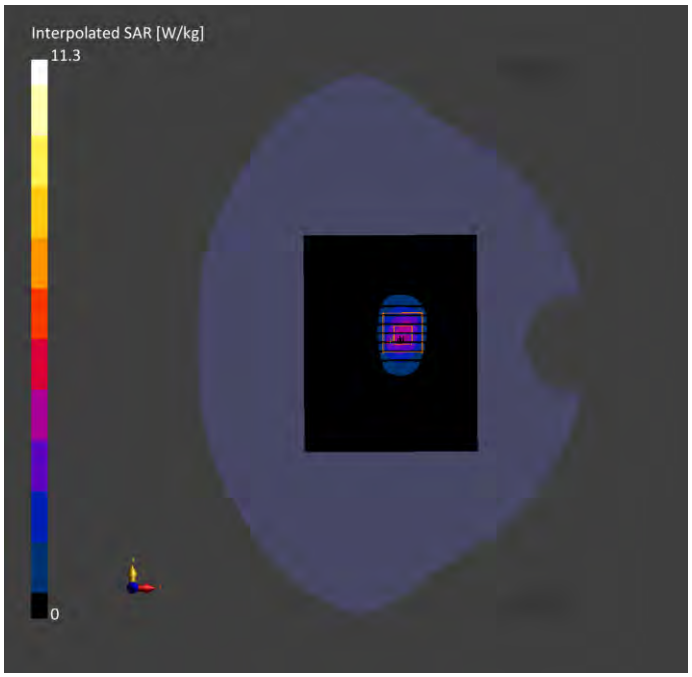
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-02-21	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	96.0 x 120.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-02-21	2024-02-21
psSAR1g [W/kg]	3.44	4.81
psSAR10g [W/kg]	1.62	1.86
Power Drift [dB]	-0.02	0.04
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		43.8
Dist 3dB Peak [mm]		6.0


Interpolated SAR [W/kg]
11.3
0

Meas.31 Right Head with Cheek on Middle Channel in LTE Band12 mode with Antenna 1

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
XR2	165.0 x 75.0 x 8.0	Mobile Computer

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Right Head, HSL	CHEEK, 0.00	Band 12	LTE - FDD, 10175-CAH	707.5, 23095	10.31	0.89	42.9	22.4	21.8

Hardware Setup

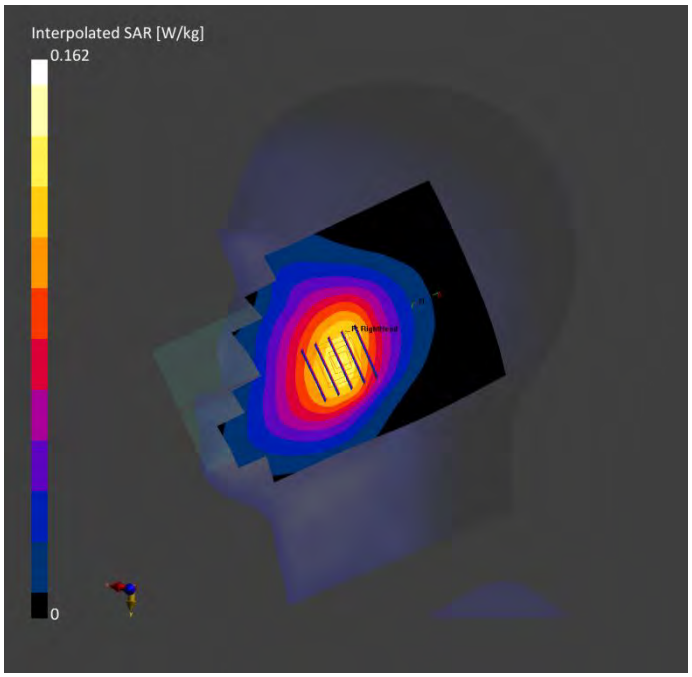
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HHBBL-600-10000 2024-02-15	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 210.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-02-15	2024-02-15
psSAR1g [W/kg]	0.119	0.125
psSAR10g [W/kg]	0.082	0.095
Power Drift [dB]	0.04	0.00
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		77.2
Dist 3dB Peak [mm]		19.0


Interpolated SAR [W/kg]
0.162
0

Meas.32 Body Plane with Front Side 10mm on Middle Channel in LTE Band12 mode with Antenna 1

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
XR2	165.0 x 75.0 x 140.0	Mobile Computer

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	FRONT, 10.00	Band 12	LTE - FDD, 10175-CAH	707.5, 23095	10.31	0.89	42.9	22.4	21.8

Hardware Setup

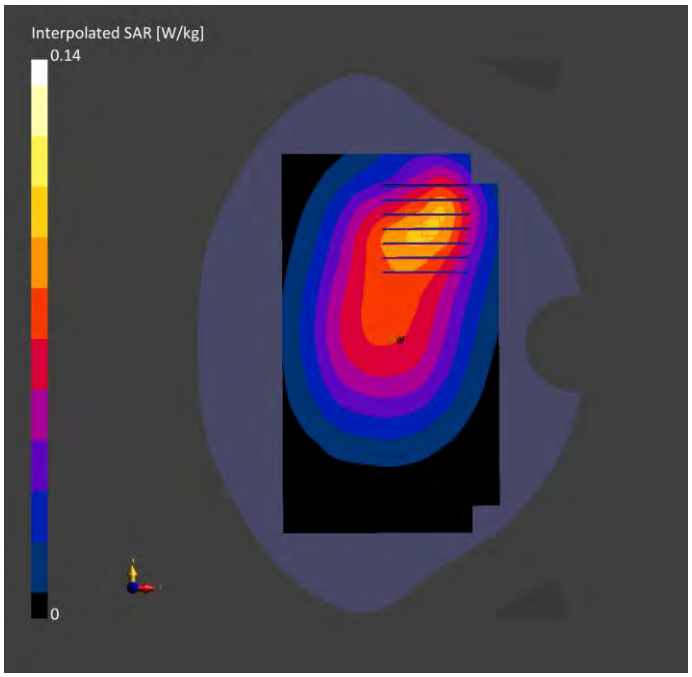
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-02-15	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 210.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	Y	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-02-15	2024-02-15
psSAR1g [W/kg]	0.085	0.088
psSAR10g [W/kg]	0.060	0.061
Power Drift [dB]	0.02	0.02
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		59.3
Dist 3dB Peak [mm]		21.8


Interpolated SAR [W/kg]
0.14
0

Meas.33 Extremity Plane with Front Side 0mm on Middle Channel in LTE Band12 mode with Antenna 1

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
XR2	165.0 x 75.0 x 140.0	Mobile Computer

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	FRONT, 0.00	Band 12	LTE - FDD, 10175-CAH	707.5, 23095	10.31	0.89	42.9	22.4	21.8

Hardware Setup

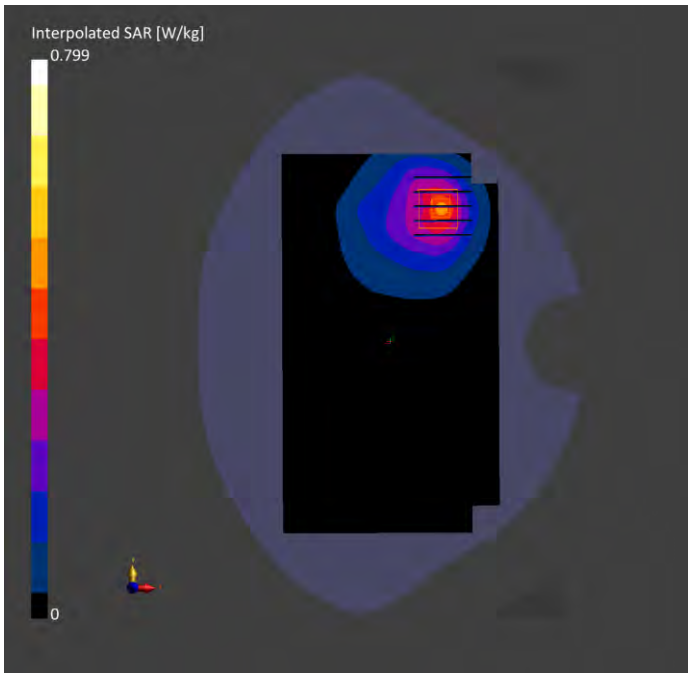
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-02-15	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 210.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-02-15	2024-02-15
psSAR1g [W/kg]	0.403	0.415
psSAR10g [W/kg]	0.250	0.231
Power Drift [dB]	0.00	0.00
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		50.8
Dist 3dB Peak [mm]		11.5


Interpolated SAR [W/kg]
0.799
0

Meas.34 Right Head with Cheek on Middle Channel in LTE Band13 mode with Antenna 1

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
XR2	165.0 x 75.0 x 8.0	Mobile Computer

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Right Head, HSL	CHEEK, 0.00	Band 13	LTE - FDD, 10175-CAH	782.0, 23230	10.31	0.90	41.3	22.4	21.8

Hardware Setup

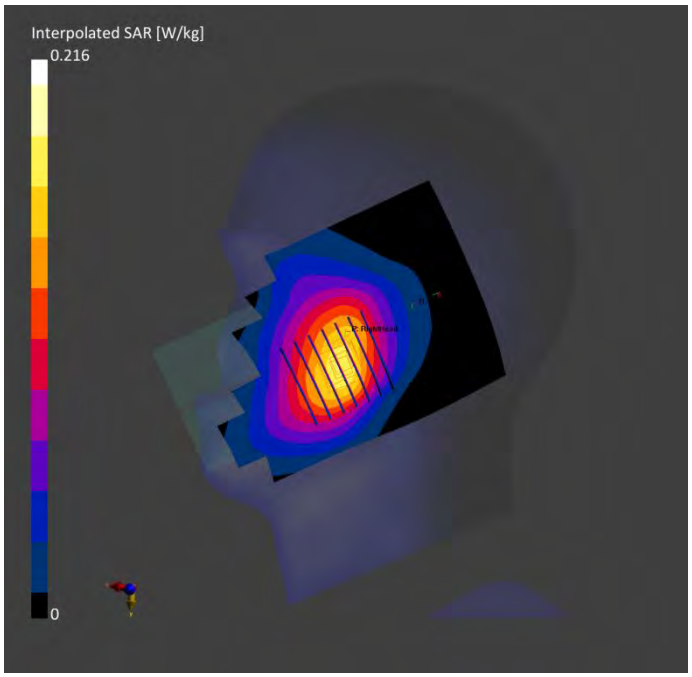
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-02-15	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 210.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-02-15	2024-02-15
psSAR1g [W/kg]	0.157	0.167
psSAR10g [W/kg]	0.106	0.127
Power Drift [dB]	0.00	0.07
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		76.6
Dist 3dB Peak [mm]		21.6


Interpolated SAR [W/kg]
0.216
0

Meas.35 Body Plane with Front Side 10mm on Middle Channel in LTE Band13 mode with Antenna 1

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
XR2	165.0 x 75.0 x 140.0	Mobile Computer

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	FRONT, 10.00	Band 13	LTE - FDD, 10175-CAH	782.0, 23230	10.31	0.90	41.3	22.4	21.8

Hardware Setup

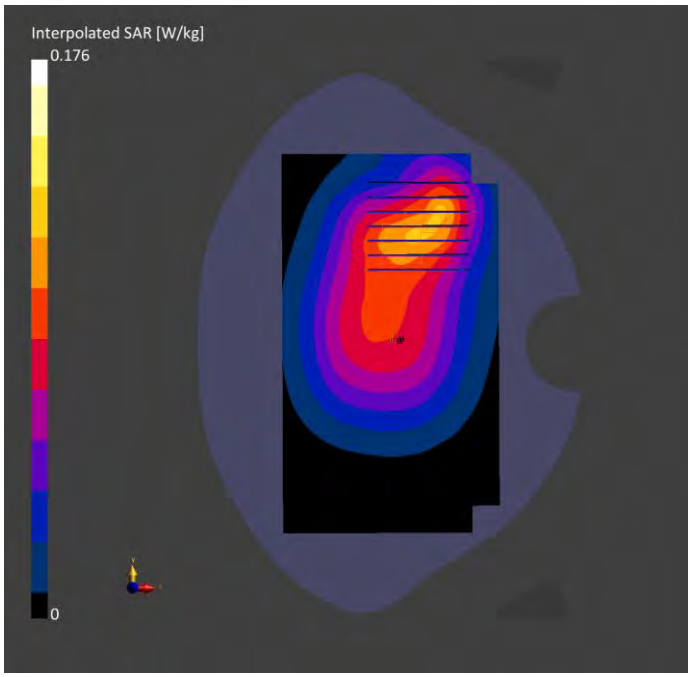
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-02-15	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 210.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-02-15	2024-02-15
psSAR1g [W/kg]	0.106	0.109
psSAR10g [W/kg]	0.073	0.076
Power Drift [dB]	-0.00	-0.03
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		58.5
Dist 3dB Peak [mm]		19.3


Interpolated SAR [W/kg]
0.176
0

Meas.36 Extremity Plane with Front Side 0mm on Middle Channel in LTE Band13 mode with Antenna 1

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
XR2	165.0 x 75.0 x 140.0	Mobile Computer

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	FRONT, 0.00	Band 13	LTE - FDD, 10175-CAH	782.0, 23230	10.31	0.90	41.3	22.4	21.8

Hardware Setup

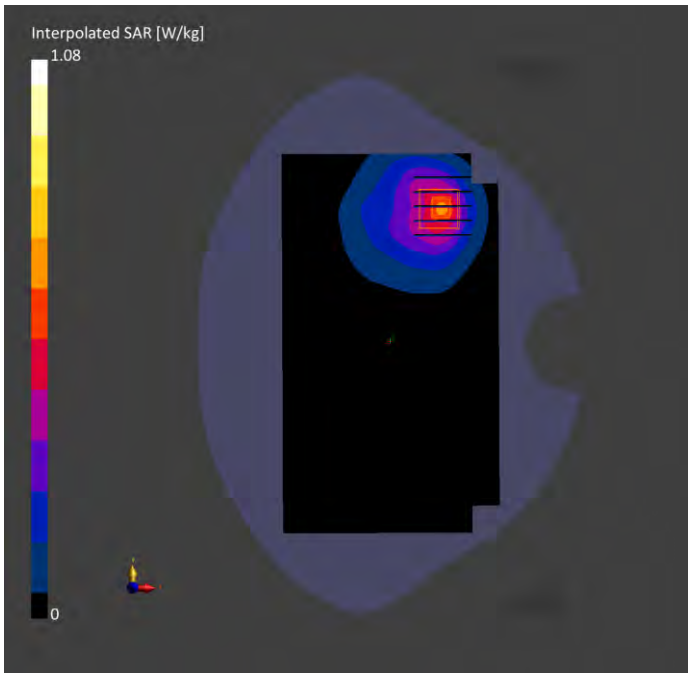
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-02-15	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 210.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-02-15	2024-02-15
psSAR1g [W/kg]	0.541	0.568
psSAR10g [W/kg]	0.330	0.313
Power Drift [dB]	0.09	-0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		50.4
Dist 3dB Peak [mm]		12.9


Interpolated SAR [W/kg]
1.08
0

Meas.37 Right Head with Cheek on Low Channel in LTE Band17 mode with Antenna 1

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
XR2	165.0 x 75.0 x 8.0	Mobile Computer

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Right Head, HSL	CHEEK, 0.00	Band 17	LTE - FDD, 10175-CAH	709.0, 23780	10.31	0.87	42.5	22.3	21.6

Hardware Setup

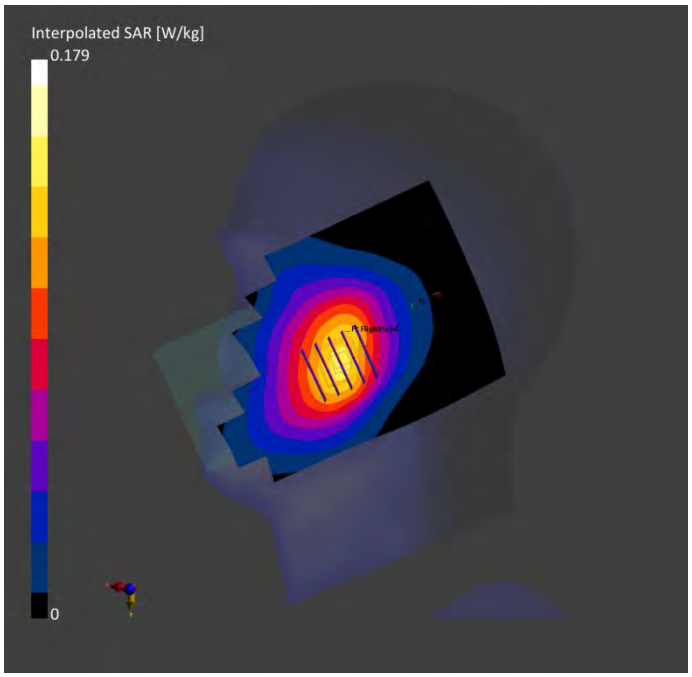
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-02-26	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 210.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-02-26	2024-02-26
psSAR1g [W/kg]	0.124	0.139
psSAR10g [W/kg]	0.085	0.106
Power Drift [dB]	0.01	0.04
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		77.5
Dist 3dB Peak [mm]		> 16.0


Interpolated SAR [W/kg]
0.179
0

Meas.38 Body Plane with Front Side 10mm on Low Channel in LTE Band17 mode with Antenna 1

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
XR2	165.0 x 75.0 x 140.0	Mobile Computer

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	FRONT, 10.00	Band 17	LTE - FDD, 10175-CAH	709.0, 23780	10.31	0.87	42.5	22.3	21.6

Hardware Setup

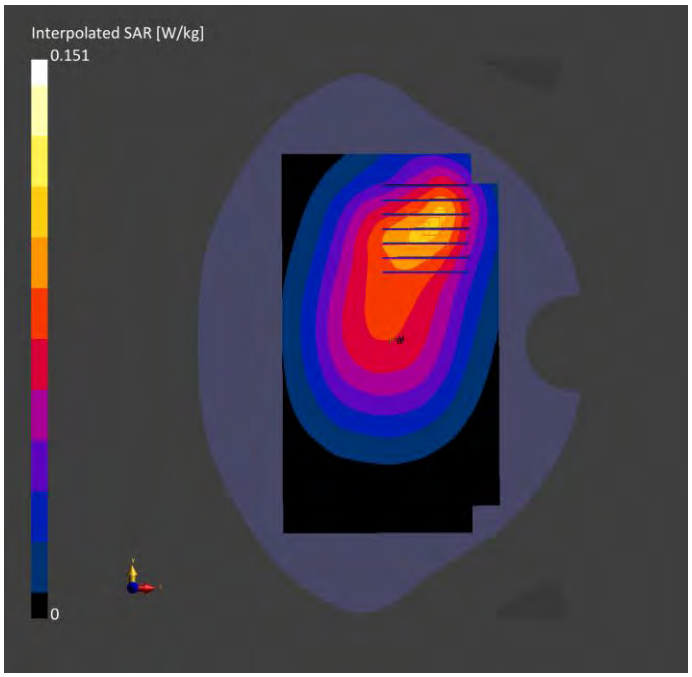
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-02-26	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 210.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	Y	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-02-26	2024-02-26
psSAR1g [W/kg]	0.092	0.095
psSAR10g [W/kg]	0.064	0.066
Power Drift [dB]	0.00	-0.03
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		59.4
Dist 3dB Peak [mm]		21.5


Interpolated SAR [W/kg]
0.151
0

Meas.39 Extremity Plane with Front Side 0mm on Low Channel in LTE Band17 mode with Antenna 1

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
XR2	165.0 x 75.0 x 140.0	Mobile Computer

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	FRONT, 0.00	Band 17	LTE - FDD, 10175-CAH	709.0, 23780	10.31	0.87	42.5	22.3	21.6

Hardware Setup

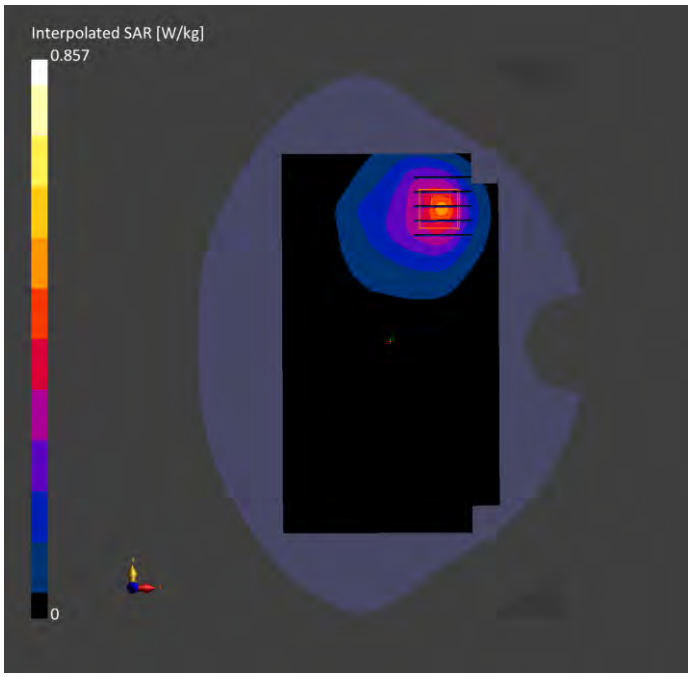
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-02-26	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 210.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-02-26	2024-02-26
psSAR1g [W/kg]	0.434	0.446
psSAR10g [W/kg]	0.268	0.248
Power Drift [dB]	0.01	0.00
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		50.7
Dist 3dB Peak [mm]		11.5


Interpolated SAR [W/kg]
0.857
0

Meas.40 Left Head with Cheek on Middle Channel in LTE Band38 mode with Antenna 1

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
XR2	165.0 x 75.0 x 8.0	Mobile Computer

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Left Head, HSL	CHEEK, 0.00	Band 38	LTE - TDD, 10172-CAH	2595.0, 38000	7.41	1.95	39.4	22.4	21.7

Hardware Setup

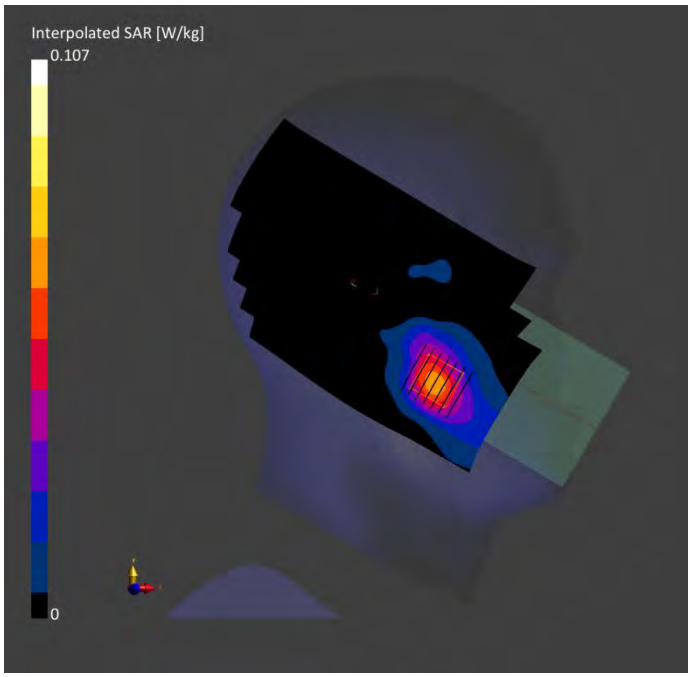
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-02-21	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 216.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	Y	Y
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-02-21	2024-02-21
psSAR1g [W/kg]	0.055	0.056
psSAR10g [W/kg]	0.028	0.029
Power Drift [dB]	0.12	-0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		55.9
Dist 3dB Peak [mm]		> 15.0


Interpolated SAR [W/kg]
0.107
0

Meas.41 Body Plane with Bottom Edge 10mm on Middle Channel in LTE Band38 mode with Antenna 1

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
XR2	165.0 x 75.0 x 10.0	Mobile Computer

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	EDGE BOTTOM, 10.00	Band 38	LTE - TDD, 10172-CAH	2595.0, 38000	7.41	1.95	39.4	22.4	21.7

Hardware Setup

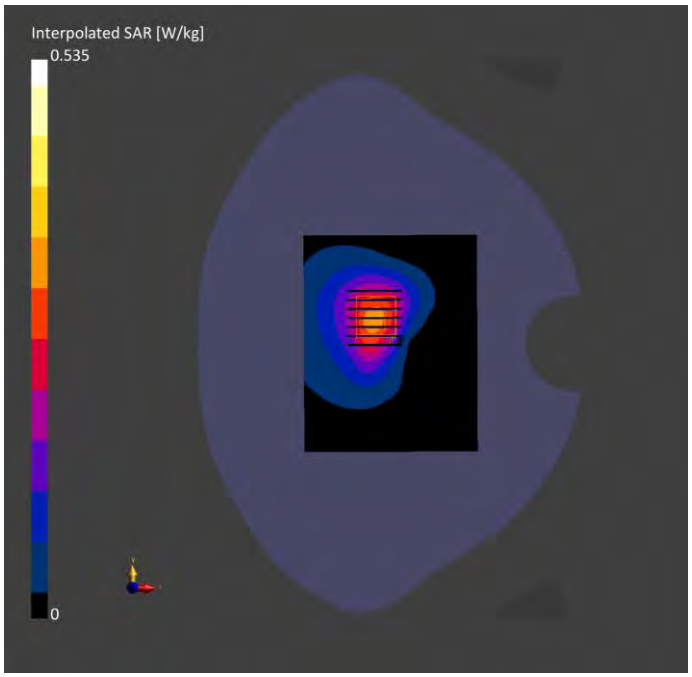
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-02-21	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	96.0 x 120.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	Y	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-02-21	2024-02-21
psSAR1g [W/kg]	0.274	0.285
psSAR10g [W/kg]	0.146	0.151
Power Drift [dB]	0.01	0.02
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		52.0
Dist 3dB Peak [mm]		11.7


Interpolated SAR [W/kg]
0.535
0

Meas.42 Extremity Plane with Bottom Edge 0mm on Middle Channel in LTE Band38 mode with Antenna 1

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
XR2	165.0 x 75.0 x 10.0	Mobile Computer

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	EDGE BOTTOM, 0.00	Band 38	LTE - TDD, 10172-CAH	2595.0, 38000	7.41	1.95	39.4	22.4	21.7

Hardware Setup

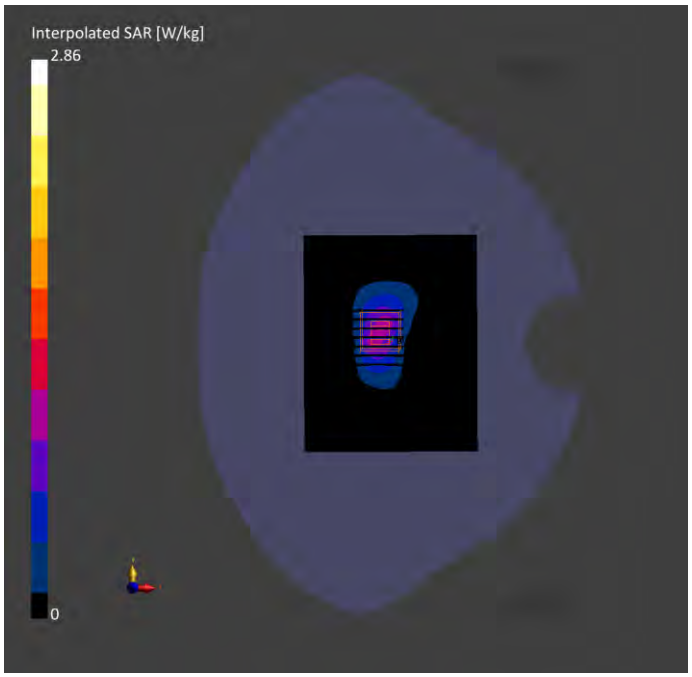
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-02-21	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	96.0 x 120.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-02-21	2024-02-21
psSAR1g [W/kg]	0.875	1.21
psSAR10g [W/kg]	0.435	0.480
Power Drift [dB]	0.01	0.02
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		39.9
Dist 3dB Peak [mm]		6.0


Interpolated SAR [W/kg]
2.86
0

Meas.43 Left Head with Cheek on Middle Channel in LTE Band41 mode with Antenna 1

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
XR2	165.0 x 75.0 x 8.0	Mobile Computer

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Left Head, HSL	CHEEK, 0.00	Band 41	LTE - TDD, 10172-CAH	2605.0, 40740	7.41	1.99	39.5	22.2	21.2

Hardware Setup

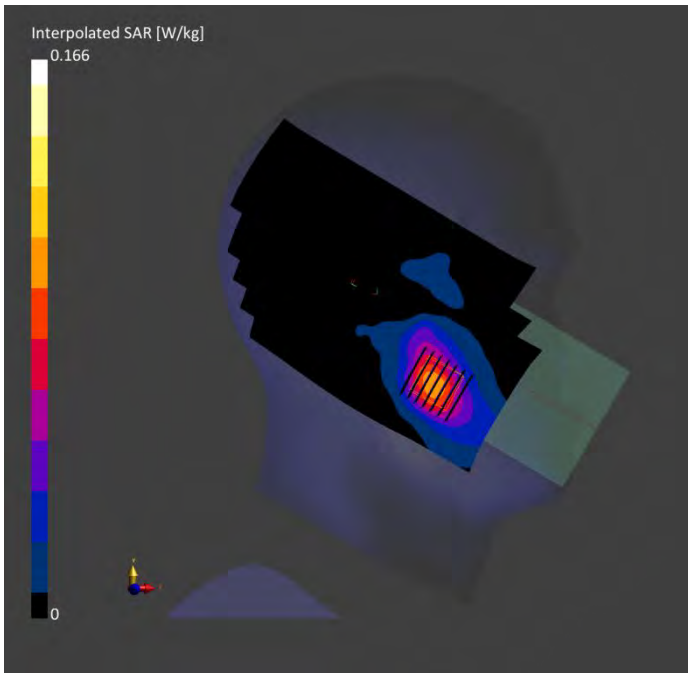
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-02-22	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 216.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	Y	Y
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-02-22	2024-02-22
psSAR1g [W/kg]	0.086	0.089
psSAR10g [W/kg]	0.044	0.046
Power Drift [dB]	-0.04	0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		52.5
Dist 3dB Peak [mm]		8.0


Interpolated SAR [W/kg]
0.166
0

Meas.44 Body Plane with Bottom Edge 10mm on Middle Channel in LTE Band41 mode with Antenna 1

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
XR2	165.0 x 75.0 x 10.0	Mobile Computer

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	EDGE BOTTOM, 10.00	Band 41	LTE - TDD, 10172-CAH	2605.0, 40740	7.41	1.99	39.5	22.2	21.2

Hardware Setup

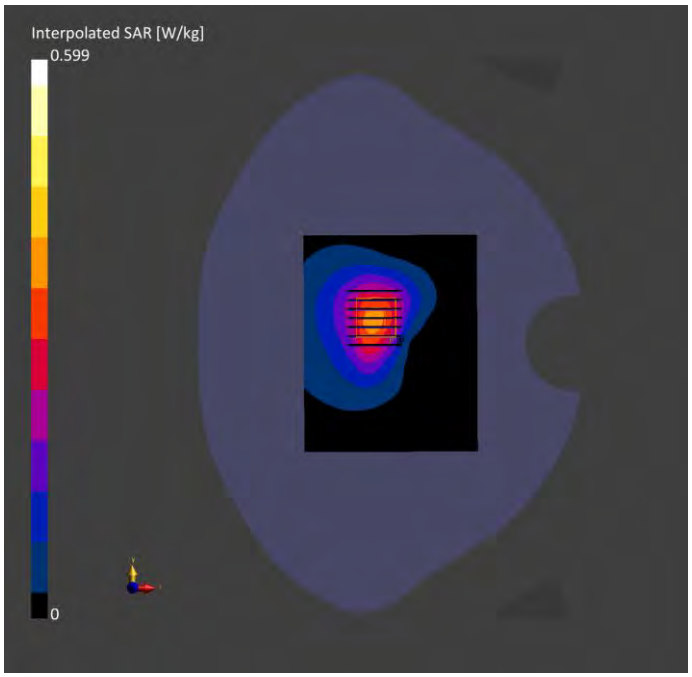
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HHBBL-600-10000 2024-02-22	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	96.0 x 120.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-02-22	2024-02-22
psSAR1g [W/kg]	0.306	0.318
psSAR10g [W/kg]	0.163	0.169
Power Drift [dB]	0.01	-0.02
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		51.0
Dist 3dB Peak [mm]		11.7


Interpolated SAR [W/kg]
0.599
0

Meas.45 Extremity Plane with Bottom Edge 0mm on Middle Channel in LTE Band41 mode with Antenna 1

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
XR2	165.0 x 75.0 x 10.0	Mobile Computer

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	EDGE BOTTOM, 0.00	Band 41	LTE - TDD, 10172-CAH	2605.0, 40740	7.41	1.99	39.5	22.2	21.2

Hardware Setup

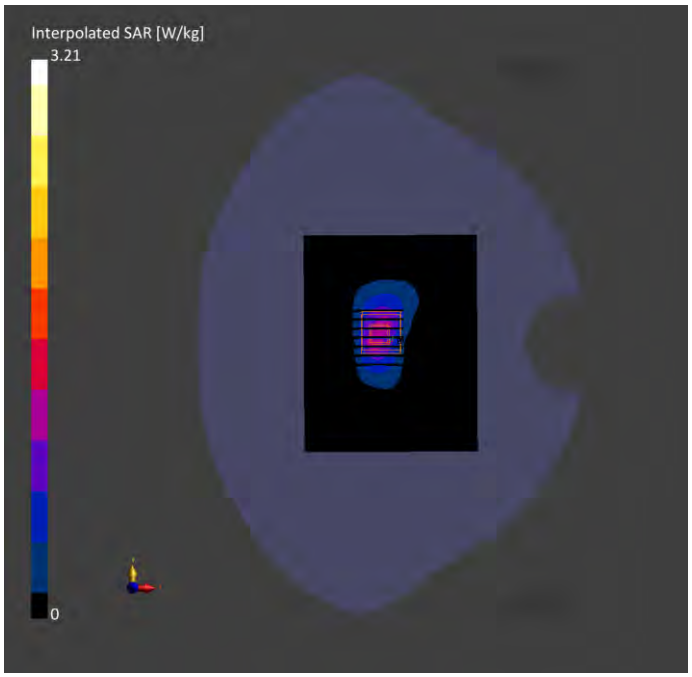
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HHBBL-600-10000 2024-02-22	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	96.0 x 120.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-02-22	2024-02-22
psSAR1g [W/kg]	0.987	1.36
psSAR10g [W/kg]	0.489	0.538
Power Drift [dB]	0.00	-0.02
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		39.8
Dist 3dB Peak [mm]		5.8


Interpolated SAR [W/kg]
3.21
0

Meas.46 Left Head with Cheek on 11 Channel in IEEE802.11b mode with Antenna 2

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
XR2	165.0 x 75.0 x 8.0	Mobile Computer

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Left Head, HSL	CHEEK, 0.00	WLAN 2.4GHz	WLAN, 10012-CAB	2462.0, 11	7.47	1.81	39.3	22.2	21.9

Hardware Setup

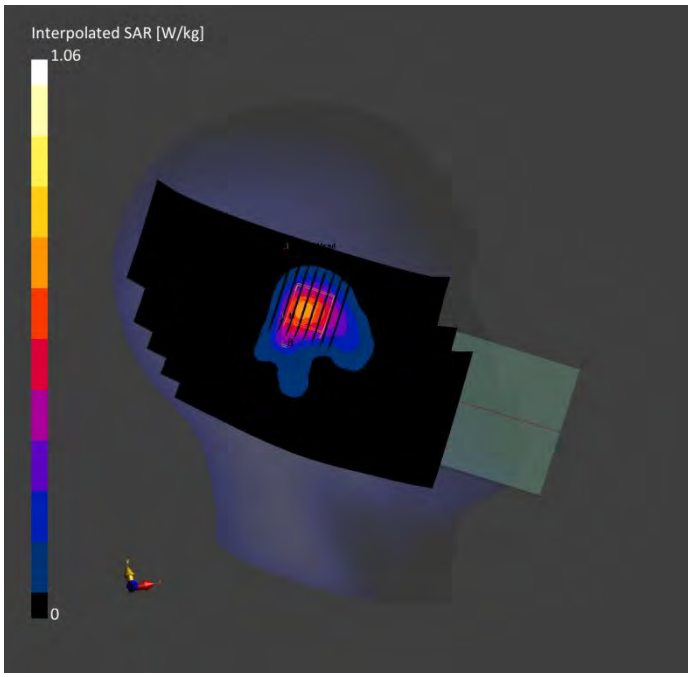
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-02-20	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 216.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-02-20	2024-02-20
psSAR1g [W/kg]	0.530	0.584
psSAR10g [W/kg]	0.274	0.292
Power Drift [dB]	0.06	0.00
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		54.7
Dist 3dB Peak [mm]		11.0


Interpolated SAR [W/kg]
1.06
0

Meas.47 Body Plane with Front Side 10mm on 11 Channel in IEEE802.11b mode with Antenna 2

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
XR2	165.0 x 75.0 x 140.0	Mobile Computer

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	FRONT, 10.00	WLAN 2.4GHz	WLAN, 10012-CAB	2462.0, 11	7.47	1.81	39.3	22.2	21.9

Hardware Setup

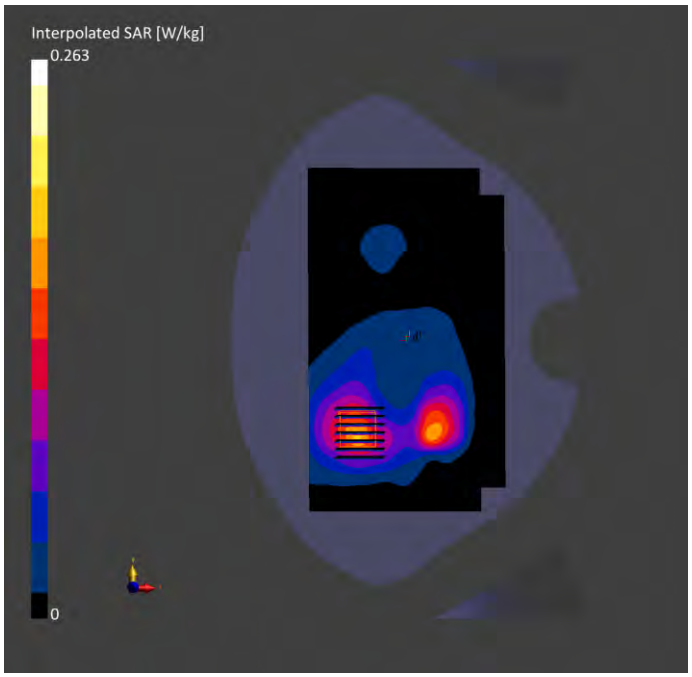
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-02-20	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 210.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	5.0 x 5.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	Y	Y
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-02-20	2024-02-20
psSAR1g [W/kg]	0.142	0.147
psSAR10g [W/kg]	0.075	0.080
Power Drift [dB]	-0.12	0.05
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		52.7
Dist 3dB Peak [mm]		14.3


Interpolated SAR [W/kg]
0.263
0

Meas.48 Extremity Plane with Front Side 0mm on 11 Channel in IEEE802.11b mode with Antenna 2

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
XR2	165.0 x 75.0 x 140.0	Mobile Computer

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	FRONT, 0.00	WLAN 2.4GHz	WLAN, 10012-CAB	2462.0, 11	7.47	1.81	39.3	22.2	21.9

Hardware Setup

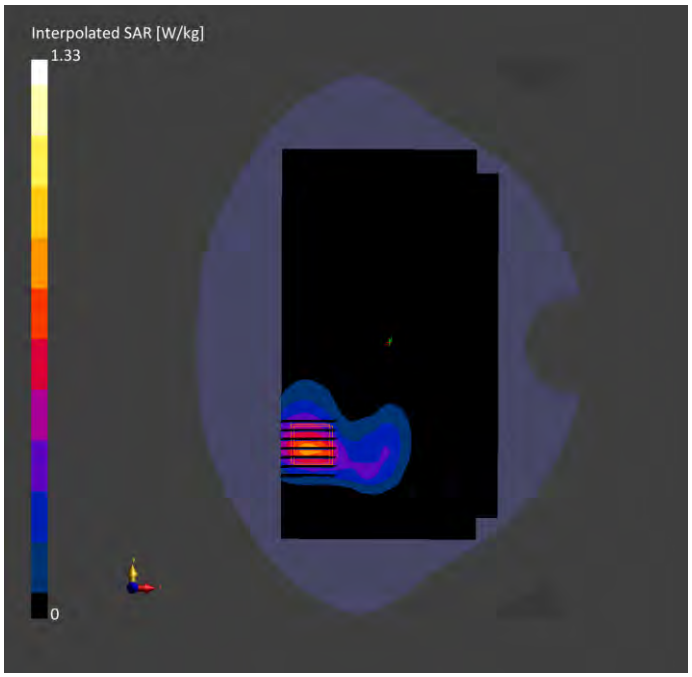
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-02-20	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 216.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-02-20	2024-02-20
psSAR1g [W/kg]	0.650	0.709
psSAR10g [W/kg]	0.327	0.348
Power Drift [dB]	0.06	0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		53.1
Dist 3dB Peak [mm]		10.0


Interpolated SAR [W/kg]
1.33
0

Meas.49 Left Head with Cheek on 54 Channel in IEEE802.11HT40 mode with Antenna 2

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
XR2	165.0 x 75.0 x 8.0	Mobile Computer

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Left Head, HSL	CHEEK, 0.00	WLAN 5GHz	WLAN, 10402-AAF	5270.0, 54	5.41	4.68	36.2	22.3	21.5

Hardware Setup

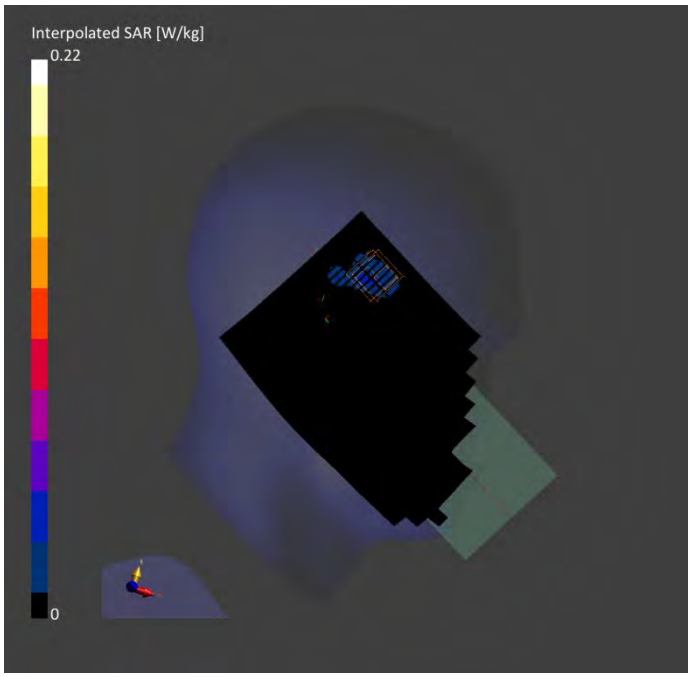
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-02-24	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 220.0	24.0 x 24.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 2.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.4
MAIA	Y	Y
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-02-24	2024-02-24
psSAR1g [W/kg]	0.013	0.010
psSAR10g [W/kg]	0.007	0.004
Power Drift [dB]	-0.05	0.08
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		69.4
Dist 3dB Peak [mm]		> 12.0


Interpolated SAR [W/kg]
0.22
0

Meas.50 Left Head with Cheek on 134 Channel in IEEE802.11HT40 mode with Antenna 2

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
XR2	165.0 x 75.0 x 8.0	Mobile Computer

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Left Head, HSL	CHEEK, 0.00	WLAN 5GHz	WLAN, 10402-AAF	5670.0, 134	4.58	5.02	35.3	22.3	21.5

Hardware Setup

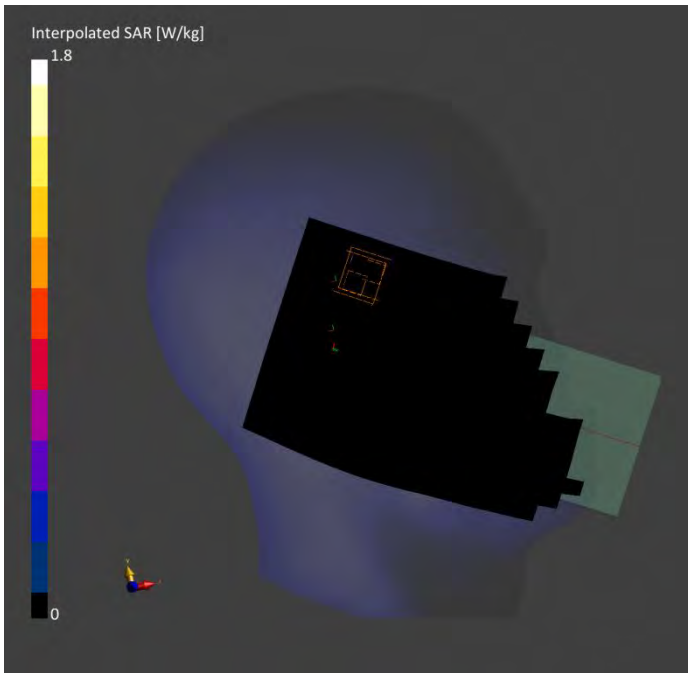
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-02-24	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 220.0	24.0 x 24.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 2.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.4
MAIA	Y	Y
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-02-24	2024-02-24
psSAR1g [W/kg]	0.028	0.023
psSAR10g [W/kg]	0.011	0.006
Power Drift [dB]	0.08	-0.07
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		58.5
Dist 3dB Peak [mm]		> 12.0


Interpolated SAR [W/kg]
1.8
0

Meas.51 Right Head with Tilt on 155 Channel in IEEE802.11ac80 mode with Antenna 2

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
XR2	165.0 x 75.0 x 8.0	Mobile Computer

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Right Head, HSL	TILT, 0.00	WLAN 5GHz	WLAN, 10544-AAD	5775.0, 155	4.78	5.26	35.3	22.2	21.5

Hardware Setup

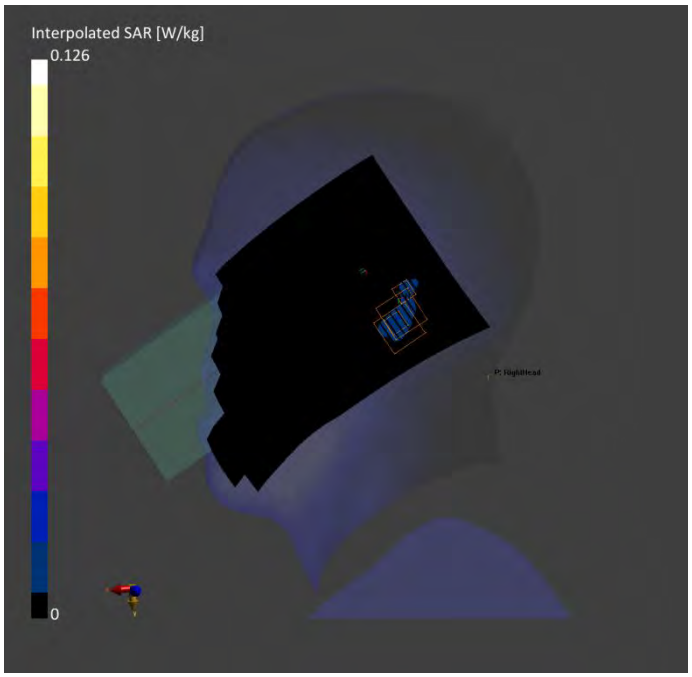
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-02-25	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 200.0	24.0 x 24.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 2.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.4
MAIA	Y	Y
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-02-25	2024-02-25
psSAR1g [W/kg]	0.048	0.042
psSAR10g [W/kg]	0.016	0.012
Power Drift [dB]	-0.09	0.02
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		56.6
Dist 3dB Peak [mm]		5.6


Interpolated SAR [W/kg]
0.126
0

Meas.52 Body Plane with Front Side 10mm on 54 Channel in IEEE802.11HT40 mode with Antenna 2

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
XR2	165.0 x 75.0 x 140.0	Mobile Computer

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	FRONT, 10.00	WLAN 5GHz	WLAN, 10114-CAE	5270.0, 54	5.41	4.68	36.2	22.5	21.2

Hardware Setup

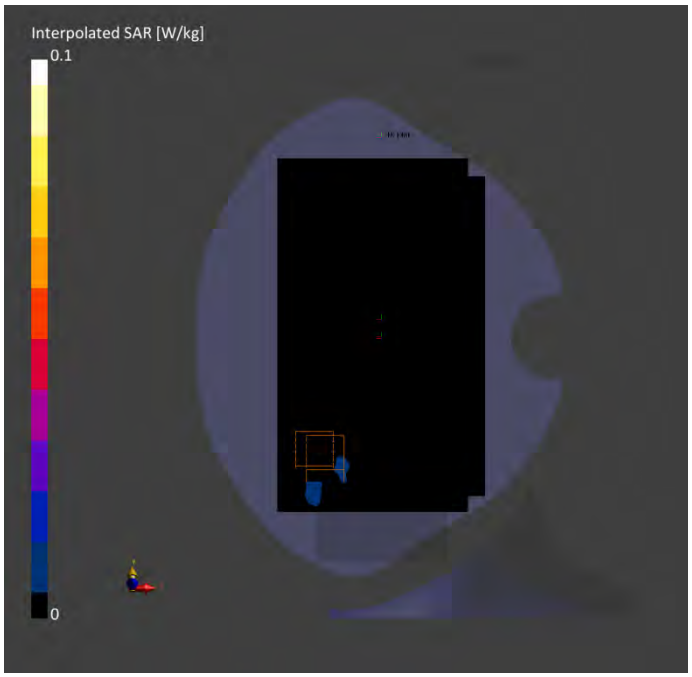
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-02-23	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 220.0	24.0 x 24.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 2.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.4
MAIA	Y	Y
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-02-23	2024-02-23
psSAR1g [W/kg]	0.011	0.01
psSAR10g [W/kg]	0.004	0.003
Power Drift [dB]	-0.07	0.08
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		65.0
Dist 3dB Peak [mm]		> 12.0


Interpolated SAR [W/kg]
0.1
0

Meas.53 Body Plane with Front Side 10mm on 134 Channel in IEEE802.11HT40 mode with Antenna 2

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
XR2	165.0 x 75.0 x 140.0	Mobile Computer

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	FRONT, 10.00	WLAN 5GHz	WLAN, 10544-AAD	5670.0, 134	4.58	5.02	35.3	22.3	21.5

Hardware Setup

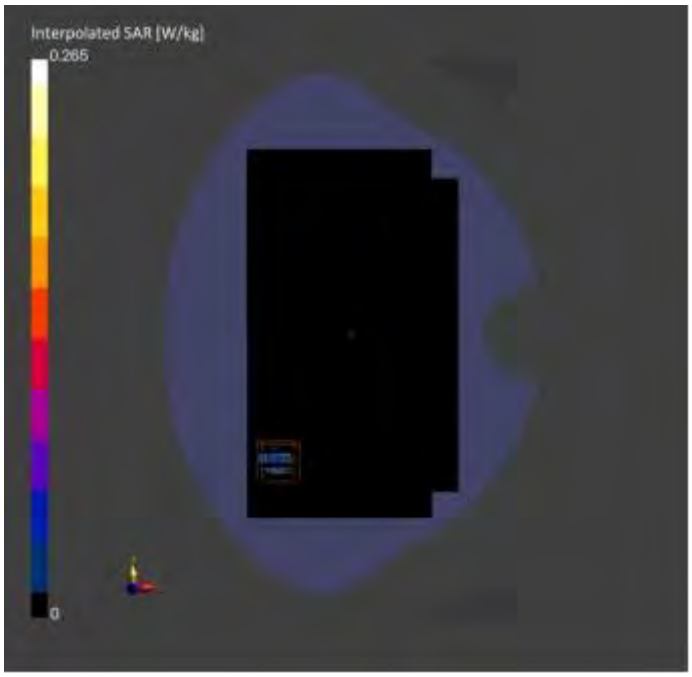
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-02-24	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 220.0	24.0 x 24.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 2.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.4
MAIA	Y	Y
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-02-24	2024-02-24
psSAR1g [W/kg]	0.018	0.025
psSAR10g [W/kg]	0.005	0.007
Power Drift [dB]	-0.03	0.04
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		53.0
Dist 3dB Peak [mm]		7.4


Interpolated SAR [W/kg]
0.265
0

Meas.54 Body Plane with Left Edge 10mm on 42 Channel in IEEE802.11ac80 mode with Antenna 2

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
XR2	165.0 x 130.0 x 70.0	Mobile Computer

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	EDGE LEFT, 10.00	WLAN 5GHz	WLAN, 10544-AAD	5210.0, 42	5.41	4.59	36.6	22.5	21.2

Hardware Setup

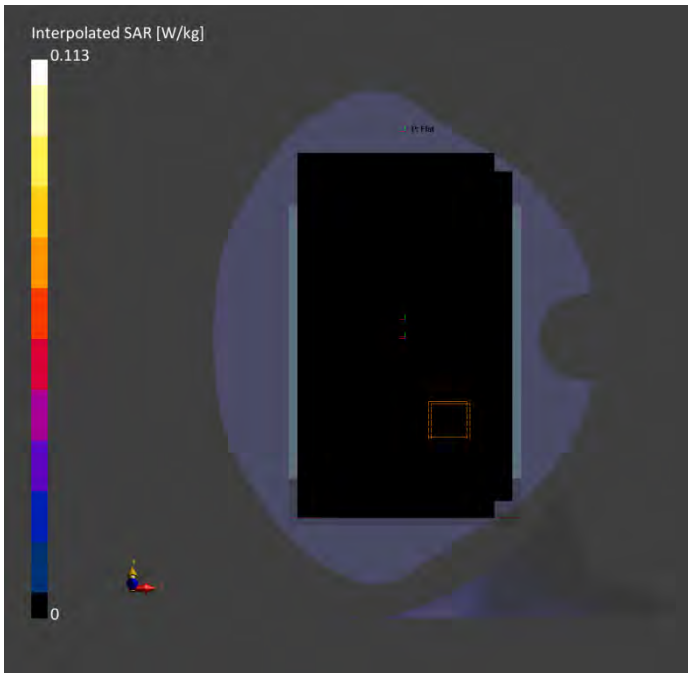
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-02-23	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 220.0	24.0 x 24.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 2.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.4
MAIA	Y	Y
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-02-23	2024-02-23
psSAR1g [W/kg]	0.015	0.01
psSAR10g [W/kg]	0.003	0.001
Power Drift [dB]	0.11	-0.09
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		52.1
Dist 3dB Peak [mm]		> 12.0


Interpolated SAR [W/kg]
0.113
0

Meas.55 Body Plane with Left Edge 10mm on 155 Channel in IEEE802.11ac80 mode with Antenna 2

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
XR2	165.0 x 130.0 x 70.0	Mobile Computer

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	EDGE LEFT, 10.00	WLAN 5GHz	WLAN, 10544-AAD	5775.0, 155	4.78	5.26	35.3	22.2	21.5

Hardware Setup

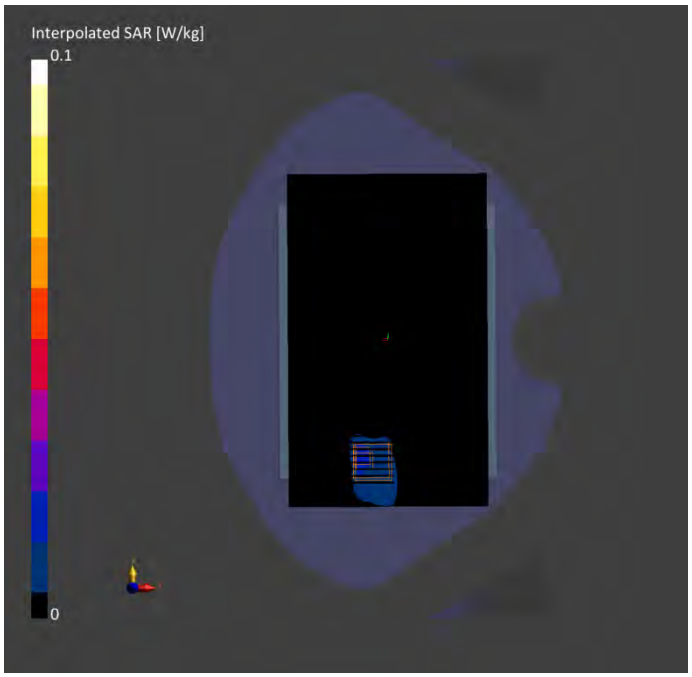
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-02-25	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 200.0	24.0 x 24.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 2.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.4
MAIA	Y	Y
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-02-25	2024-02-25
psSAR1g [W/kg]	0.016	0.013
psSAR10g [W/kg]	0.006	0.004
Power Drift [dB]	0.04	-0.09
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		53.8
Dist 3dB Peak [mm]		> 12.0


Interpolated SAR [W/kg]
0.1
0

Meas.56 Extremity Plane with Left Edge 0mm on 54 Channel in IEEE802.11HT40 mode with Antenna 2

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
XR2	165.0 x 130.0 x 70.0	Mobile Computer

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	EDGE LEFT, 0.00	WLAN 5GHz	WLAN, 10114-CAE	5270.0, 54	5.41	4.68	36.2	22.5	21.2

Hardware Setup

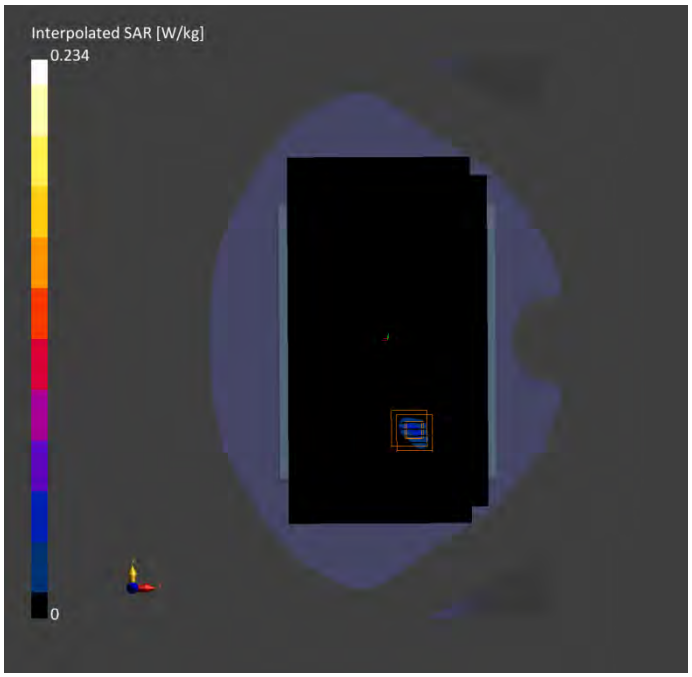
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-02-23	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 220.0	24.0 x 24.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 2.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.4
MAIA	Y	Y
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-02-23	2024-02-23
psSAR1g [W/kg]	0.032	0.037
psSAR10g [W/kg]	0.008	0.006
Power Drift [dB]	-0.04	-0.03
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		54.0
Dist 3dB Peak [mm]		4.0


Interpolated SAR [W/kg]
0.234
0

Meas.57 Extremity Plane with Left Edge 0mm on 134 Channel in IEEE802.11HT40 mode with Antenna 2

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
XR2	165.0 x 130.0 x 70.0	Mobile Computer

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	EDGE LEFT, 0.00	WLAN 5GHz	WLAN, 10402-AAF	5670.0, 134	4.58	5.02	35.3	22.3	21.5

Hardware Setup

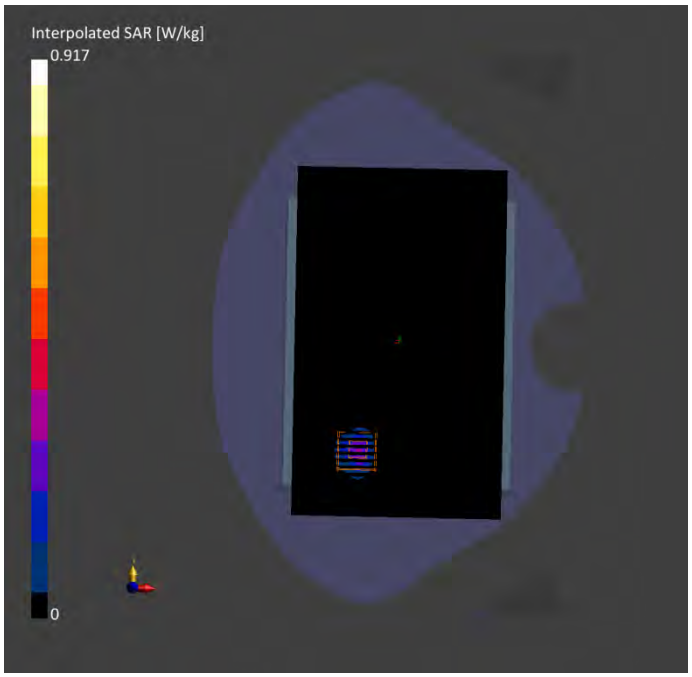
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-02-24	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 200.0	24.0 x 24.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 2.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.4
MAIA	Y	Y
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-02-24	2024-02-24
psSAR1g [W/kg]	0.220	0.214
psSAR10g [W/kg]	0.067	0.055
Power Drift [dB]	-0.11	0.08
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		49.1
Dist 3dB Peak [mm]		5.7


Interpolated SAR [W/kg]
0.917
0

Meas.58 Extremity Plane with Left Edge 0mm on 155 Channel in IEEE802.11ac80 mode with Antenna 2

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
XR2	165.0 x 130.0 x 70.0	Mobile Computer

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	EDGE LEFT, 0.00	WLAN 5GHz	WLAN, 10544-AAD	5775.0, 155	4.78	5.26	35.3	22.2	21.5

Hardware Setup

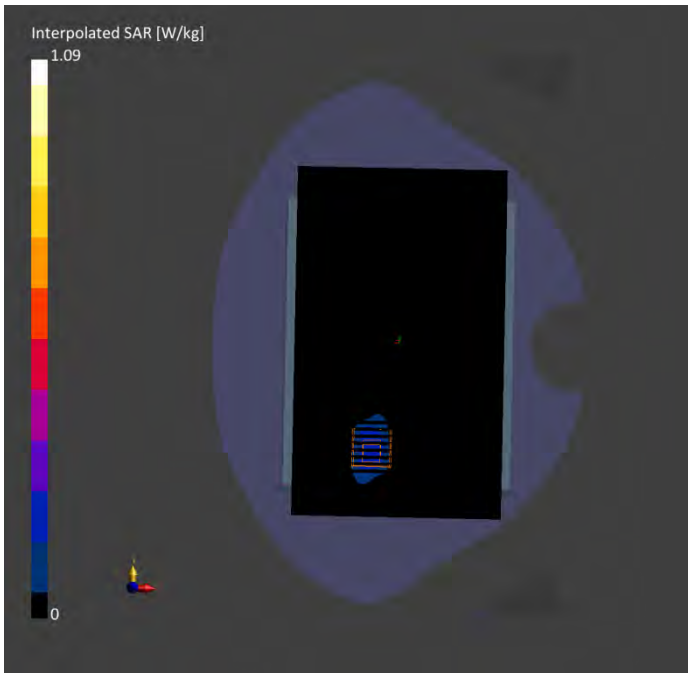
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-02-25	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 200.0	24.0 x 24.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 2.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.4
MAIA	Y	Y
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-02-25	2024-02-25
psSAR1g [W/kg]	0.186	0.219
psSAR10g [W/kg]	0.069	0.064
Power Drift [dB]	0.05	-0.02
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		46.3
Dist 3dB Peak [mm]		4.9


Interpolated SAR [W/kg]
1.09
0

Meas.59 Left Head with Tilt on 0 Channel in Bluetooth mode with Antenna 2

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
XR2	165.0 x 75.0 x 8.0	Mobile Computer

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Left Head, HSL	TILT, 0.00	ISM 2.4 GHz Band	Bluetooth, 10032-CAA	2402.0, 0	7.47	1.74	39.9	22.2	21.9

Hardware Setup

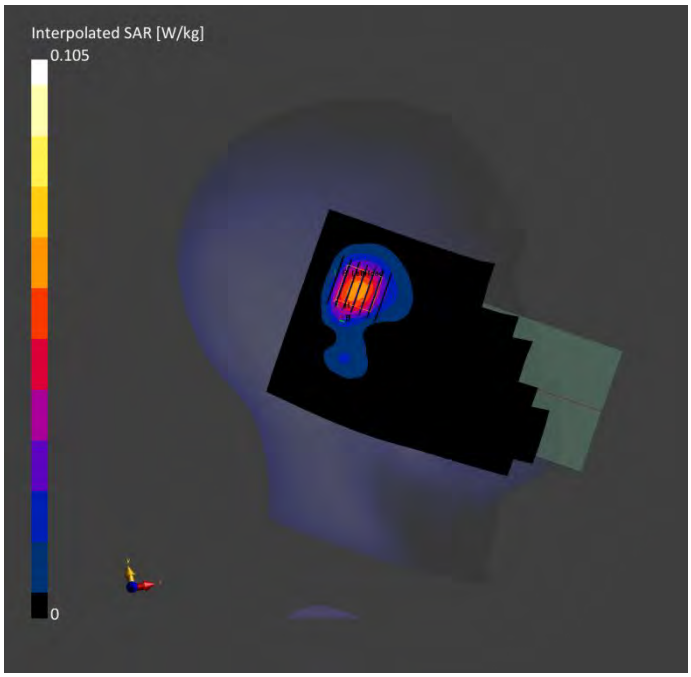
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-02-20	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 216.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	Y	Y
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-02-20	2024-02-20
psSAR1g [W/kg]	0.054	0.057
psSAR10g [W/kg]	0.027	0.028
Power Drift [dB]	-0.08	0.06
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		54.0
Dist 3dB Peak [mm]		> 15.0


Interpolated SAR [W/kg]
0.105
0

Meas.60 Body Plane with Front Side 10mm on 0 Channel in Bluetooth mode with Antenna 2

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
XR2	165.0 x 75.0 x 140.0	Mobile Computer

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	FRONT, 10.00	ISM 2.4 GHz Band	Bluetooth, 10032-CAA	2402.0, 0	7.47	1.74	39.9	22.2	21.9

Hardware Setup

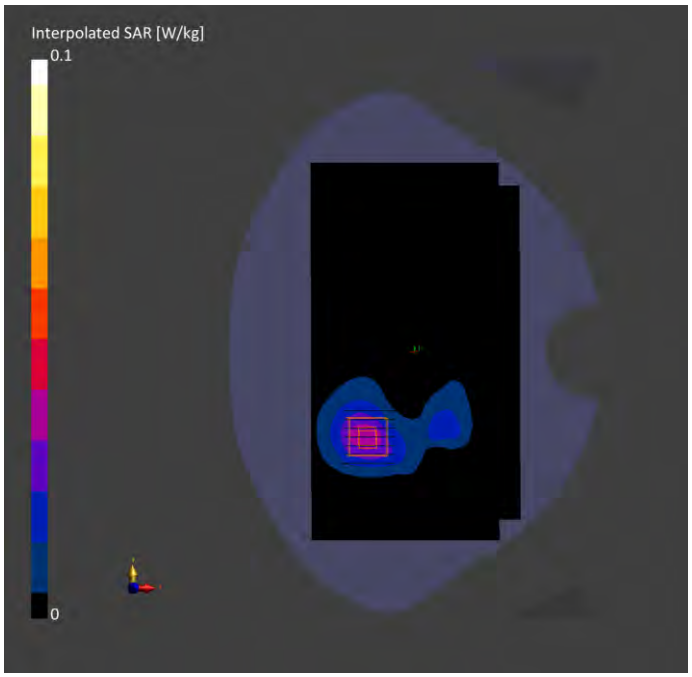
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-02-20	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 216.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	Y	Y
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-02-20	2024-02-20
psSAR1g [W/kg]	0.032	0.033
psSAR10g [W/kg]	0.017	0.017
Power Drift [dB]	-0.00	0.02
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		49.9
Dist 3dB Peak [mm]		> 15.0


Interpolated SAR [W/kg]
0.1
0

Meas.61 Extremity Plane with Front Side 0mm on 0 Channel in Bluetooth mode with Antenna 2

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
XR2	165.0 x 75.0 x 140.0	Mobile Computer

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	FRONT, 0.00	ISM 2.4 GHz Band	Bluetooth, 10032-CAA	2402.0, 0	7.47	1.74	39.9	22.2	21.9

Hardware Setup

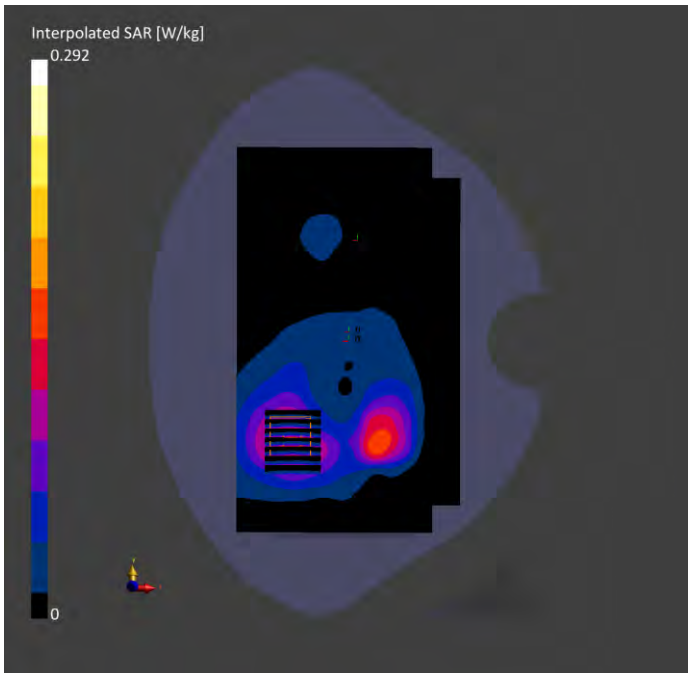
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-02-20	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 216.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	Y	Y
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-02-20	2024-02-20
psSAR1g [W/kg]	0.163	0.155
psSAR10g [W/kg]	0.091	0.086
Power Drift [dB]	-0.05	-0.17
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		49.9
Dist 3dB Peak [mm]		> 15.0


Interpolated SAR [W/kg]
0.292
0

Meas.62 Extremity Plane with Front Side 0mm on 1 Channel in RFID mode with Antenna 3

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
XR2	125.0 x 90.0 x 35.0	Mobile Computer

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	FRONT, 0.00	Custom Band	CW, 0--	902.75, 902750	9.96	0.95	41.2	22.1	21.8

Hardware Setup

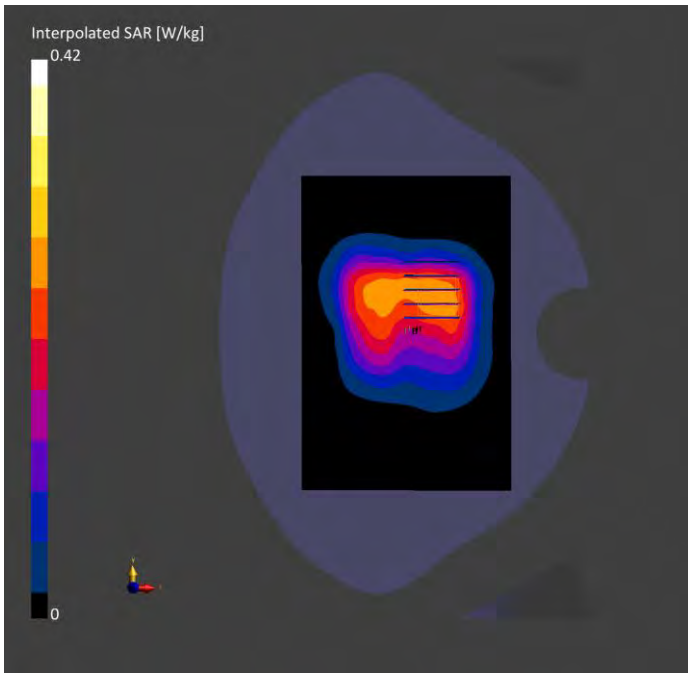
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	BBL-600-10000 2024-02-27	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 180.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-02-27	2024-02-27
psSAR1g [W/kg]	0.244	0.284
psSAR10g [W/kg]	0.166	0.186
Power Drift [dB]	-0.06	0.06
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		65.8
Dist 3dB Peak [mm]		17.2


Interpolated SAR [W/kg]
0.42
0

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ANNEX D EUT EXTERNAL PHOTOS

Please refer the document “BL-SZ2410913-AW.pdf”.

ANNEX E SAR TEST SETUP PHOTOS

Please refer the document “BL-SZ2410913-AS.pdf”.

ANNEX F CALIBRATION REPORT

Please refer the document “BL-SZ2410913-AC.pdf”.

ANNEX G TUNE-UP PROCEDURE

Please refer the document “BL-SZ2410913-AT-1.pdf”.

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