TEST REPORT

Applicant:	Xiaomi Communications Co., Ltd.
Address:	#019, 9th Floor, Building 6, 33 Xi'erqi Middle Road, Haidian District, Beijing, China, 100085
Equipment Type:	Tablet Computer
Model Name:	24076RP19G
Brand Name:	Redmi
FCC ID:	2AFZZRP19G
Test Standard:	FCC 47 CFR Part 2.1093 (refer to section 3.1)
Maximum SAR:	Head (1 g@0mm): 0.92W/kg Body (1 g@0mm): 1.04 W/kg
Sample Arrival Date:	May 07, 2024
Test Date:	May 08, 2024 - May 23, 2024
Date of Issue:	Jun. 06, 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	Jun. 06, 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	Xiaomi Communications Co., Ltd.
Address	#019, 9th Floor, Building 6, 33 Xi'erqi Middle Road, Haidian District, Beijing, China, 100085

2.2 Manufacturer Information

Manufacturer	Xiaomi Communications Co., Ltd.
Address	#019, 9th Floor, Building 6, 33 Xi'erqi Middle Road, Haidian District, Beijing, China, 100085

2.3 General Description for Equipment under Test (EUT)

EUT Name	Tablet Computer
Model Name Under Test	24076RP19G
Series Model Name	N/A
Description of Model name differentiation	N/A
Hardware Version	13510N85
Software Version	Xiaomi HyperOS 1.0
Dimensions (Approx.)	N/A
Weight (Approx.)	N/A
EUT ID	S51, S62, S20, S77, S29, S30
IMEI Number	S51:IMEI1:861427070040988, IME2:861427070040996
	S62:IMEI:861427070041424, IME2:861427070041432
	S20:IMEI:861427070044865, IME2:861427070044873
	S77:IMEI:861427070046183, IME2:861427070046191
	S29:IMEI:861427070031540, IME2:861427070031557
	S30:IMEI:861427070031607, IME2:861427070031615
Note1: EUT ID is used to identify the test sample in the lab internally. Note2: It is performed to test SAR with the EUT S51, S62, S29, S30 and conducted power with the EUT S20 & S77.	

2.4 Ancillary Equipment

Please refer the document “BL-SZ2440422-AW EUT external photo.pdf”.

2.5 Technical Information

Network and Wireless connectivity	2G Network GSM/GPRS/EDGE 850/900/1800/1900 3G Network WCDMA/HSDPA/HSUPA Band 1/2/4/5/6/8/19 4G Network FDD LTE Band 1/2/3/4/5/7/8/13/18/19/20/26/28/66 TDD LTE Band 38/40/41 Bluetooth (BR+EDR+BLE) 2.4G WIFI 802.11b, 802.11g, 802.11n(HT20) 5G WIFI 802.11a, 802.11n(HT20/40) and 802.11ac(VHT20/40/80) U-NII-1/2A/2C/3, GPS, GLONASS, Galileo, BDS, SBAS, FM receiver
Note: The EUT is a mobile phone, 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, 2.4G WLAN, 5G WLAN, Bluetooth		
Frequency Range	GSM 850	TX: 824 ~ 849 MHz	RX: 869 ~ 894 MHz
	GSM 1900	TX: 1850 ~ 1910 MHz	RX: 1930 ~ 1990 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 13	TX: 777 ~ 787 MHz	RX: 746 ~ 756 MHz
	LTE Band 26	TX: 814 ~ 849 MHz	RX: 859 ~ 894 MHz
	LTE Band 66	TX: 1710 ~ 1780 MHz	RX: 2110 ~ 2180 MHz
	LTE Band 38	TX: 2570 ~ 2620 MHz	RX: 2570 ~ 2620 MHz
	LTE Band 41	TX: 2496 ~ 2690 MHz	RX: 2496 ~ 2690 MHz
	802.11b/g /n(HT20)	2412 ~ 2462 MHz	
	802.11a/ /n(HT20/HT40) /ac(VHT20/VHT40 /VHT80)	5150 ~ 5250 MHz	
		5250 ~ 5350 MHz	
		5470 ~ 5725 MHz	
		5725 ~ 5850 MHz	
	Bluetooth	2402 ~ 2480 MHz	
Antenna Type	WWAN: FPC Antenna WLAN: FPC Antenna Bluetooth: FPC Antenna		
DTM	N/A		
Hotspot Function	Support		
Power Reduction	Support		

Exposure Category	General Population/Uncontrolled exposure	
Product Type	Portable Device	
EUT Type	☒ Production unit	☐ Identical prototype

Note:
1. The device utilizes independent power reduction mechanisms for SAR compliance for the 2/3/4G transmitter for held-to-ear exposure conditions.
2. The device utilizes independent power reduction mechanisms for SAR compliance for the 2/3/4G transmitter for near to body exposure conditions.
3. The reduction power details please refer section 8.6.

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 616217 D04v01r02	SAR for laptop and tablets
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/ ControlledExposure
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 (0mm)	Head (0mm)	Body (0mm)
		1g SAR		1g SAR	
PCE	GSM 850	0.69	0.90	0.92	1.04
	GSM 1900	0.66	0.88		
	WCDMA Band 2	**0.92**	0.71		
	WCDMA Band 4	0.78	**1.04**		
	WCDMA Band 5	0.88	0.85		
	LTE Band 2	0.73	0.97		
	LTE Band 4	0.73	0.69		
	LTE Band 5	0.83	0.96		
	LTE Band 7	0.74	0.79		
	LTE Band 13	0.80	0.74		
	LTE Band 26	0.84	0.73		
	LTE Band 66	0.74	0.87		
	LTE Band 38	0.70	0.66		
	LTE Band 41	0.59	0.82		
DTS	2.4G WLAN	0.51	1.02		
NII	5.2/5.3G WLAN	0.25	0.73		
	5.6G WLAN	0.52	0.83		
	5.8G WLAN	0.25	0.83		
DSS	Bluetooth	0.10	0.68		
Limit (W/kg)		1.6		1.6	
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 1.04 W/kg, which is lower than 1.5 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

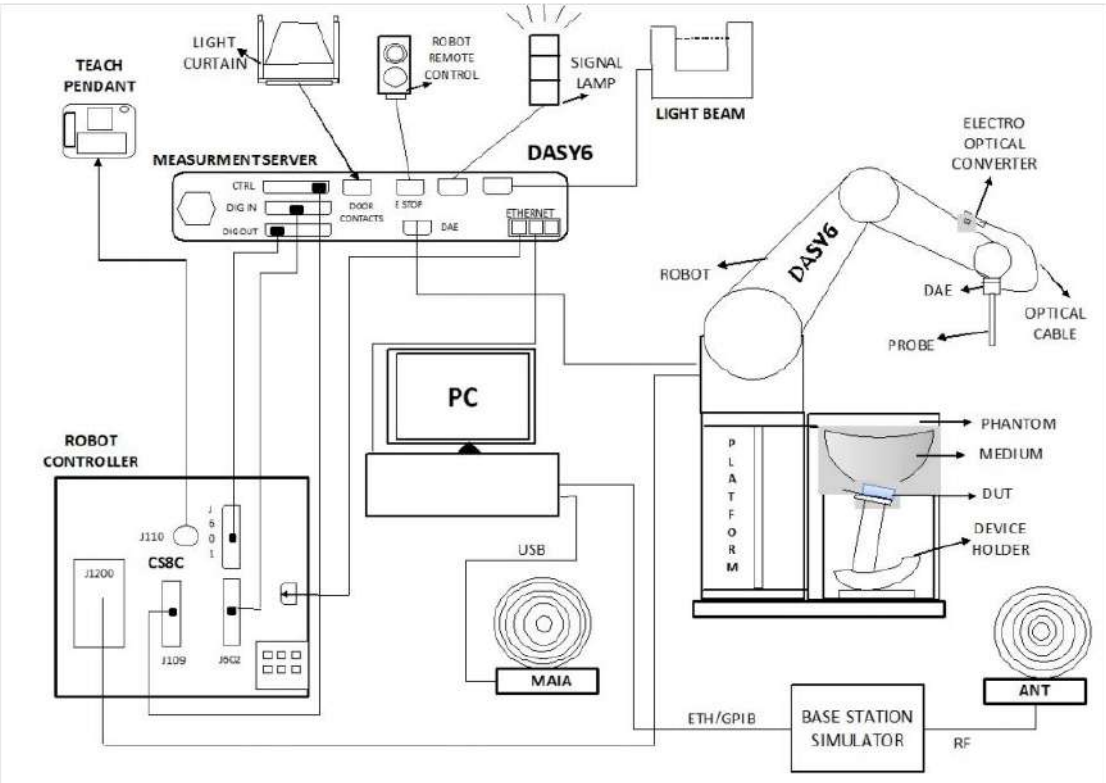
$$\mathbf{SAR} = \frac{\boldsymbol{\sigma}\mathbf{E}^2}{\boldsymbol{\rho}}$$

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 DASY5 measurement server.
6. The DASY5 measurement server, which performs all real-time data evaluation for field measurements and surface detection, controls robot movements and handles safety operation.
7. DASY5 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

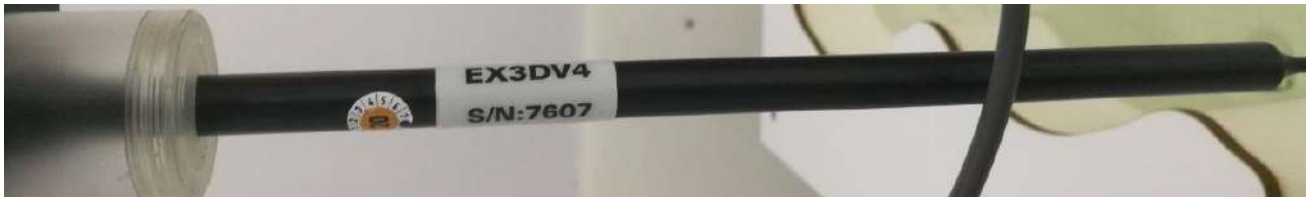
The Dasy SAR system uses the high precision robots. Symmetrical design with triangular core Built-in optical fiber for surface detection system For the 6-axis controller system, Built-in shielding against static charges PEEK enclosure material (resistant to organic solvents). The robot series have many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

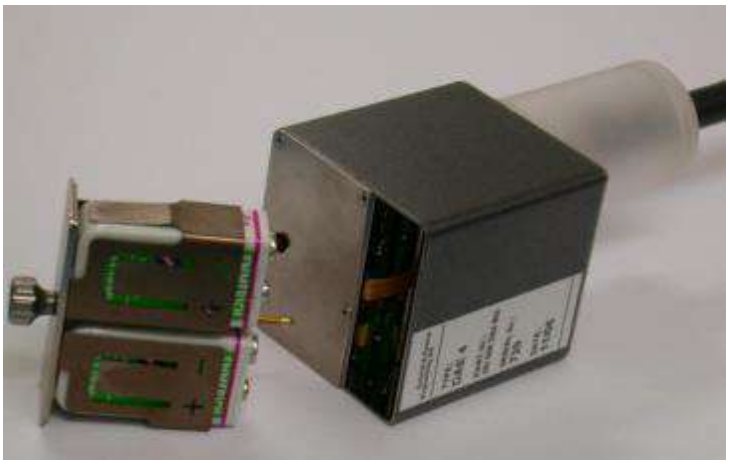


E-Field Probe Calibration Process

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

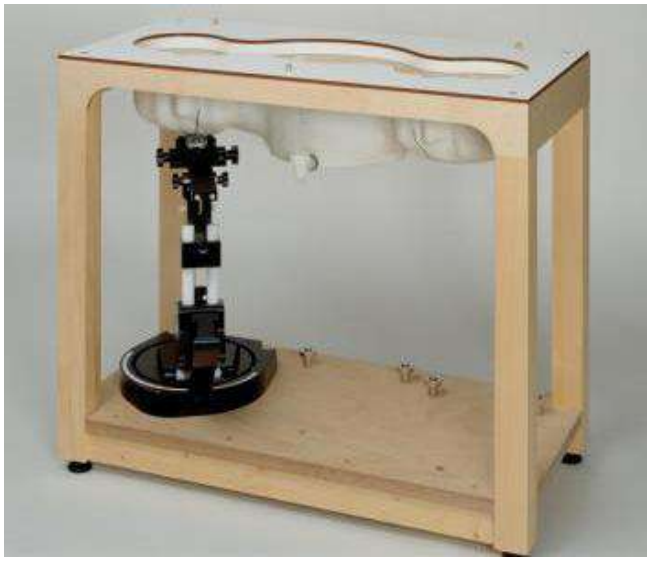
The data acquisition electronics (DAE) consist of a highly sensitive electrometer-grade preamplifier with auto-zeroing, a channel and gain-switching multiplexer, a fast 16 bit AD-converte and a command decoder with a control logic unit. Transmission to the measurement server is accomplished through an 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 SAM2	Vinylester, glass fiber reinforced	1000	500

4.2.6 Device Holder

The DASY5 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

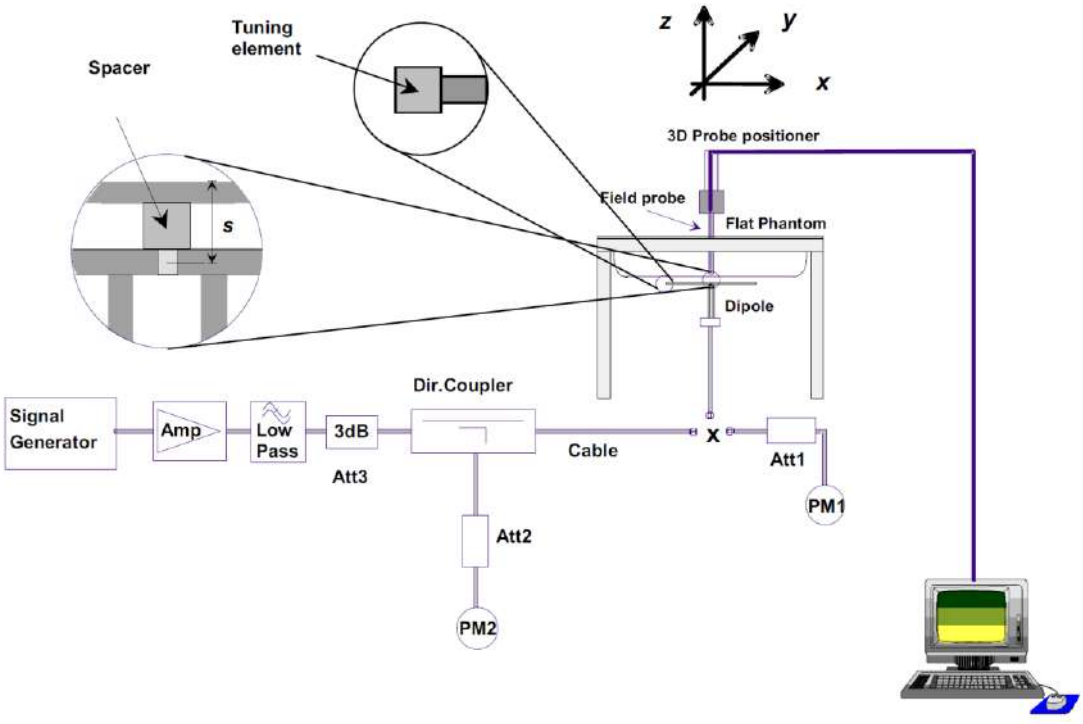
5 SYSTEM VERIFICATION

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

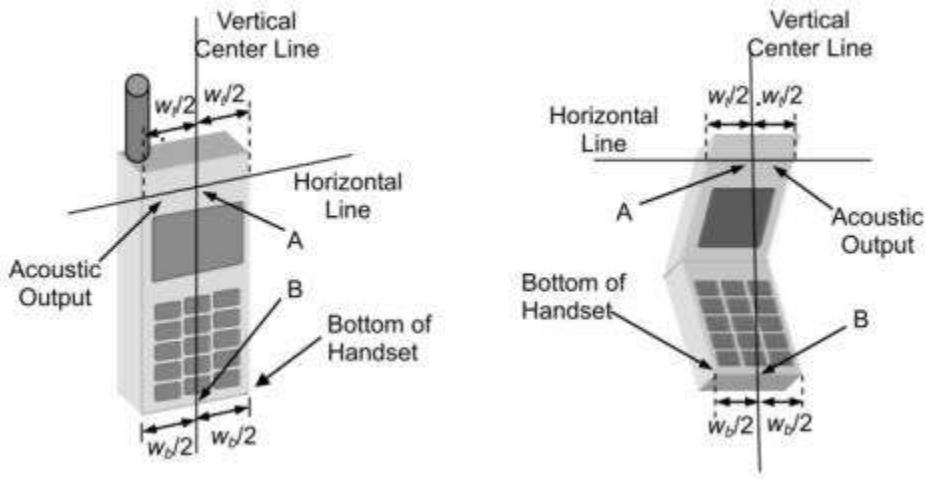
Head exposure is limited to next to the ear voice mode operations. Head SAR compliance is tested according to the test positions defined in IEEE Std 1528-2013 using the SAM phantom illustrated as below.

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.

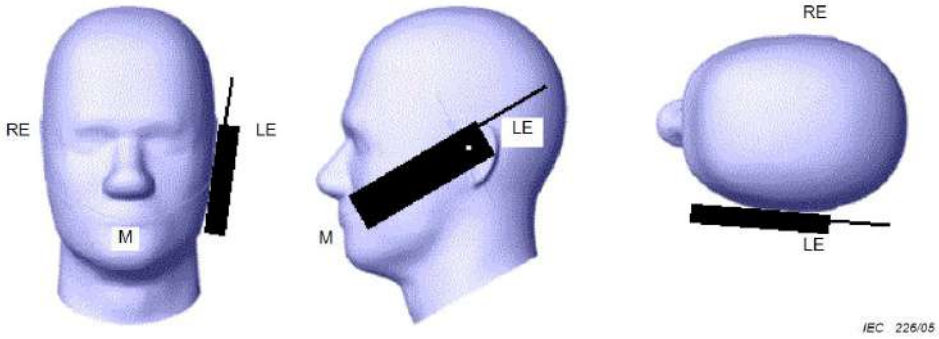
(c) The two lines intersect at point A. Note that for many handsets, point A coincides with the center of the acoustic output; however, the acoustic output may be located elsewhere on the horizontal line. Also note that the vertical center line is not necessarily parallel to the front face of the handset,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

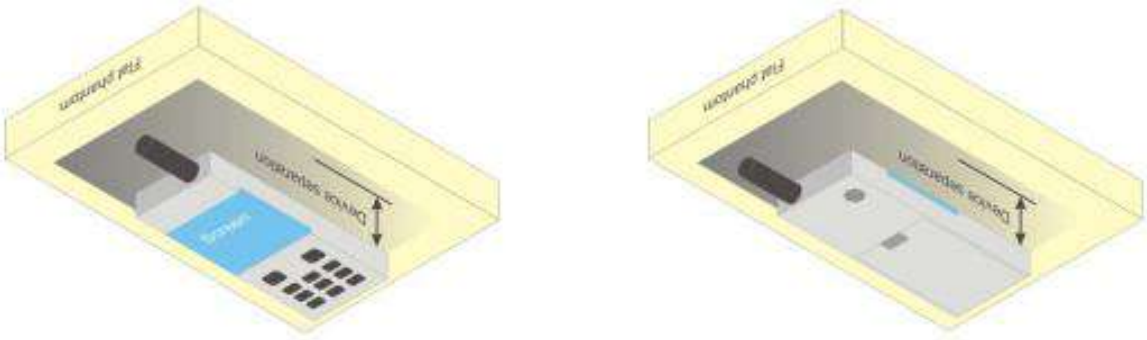
(b) While maintaining the device the reference plane described above and pivoting against the ear, moves it outward away from the mouth by an angle of 15 degrees or until contact with the ear is lost.

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.

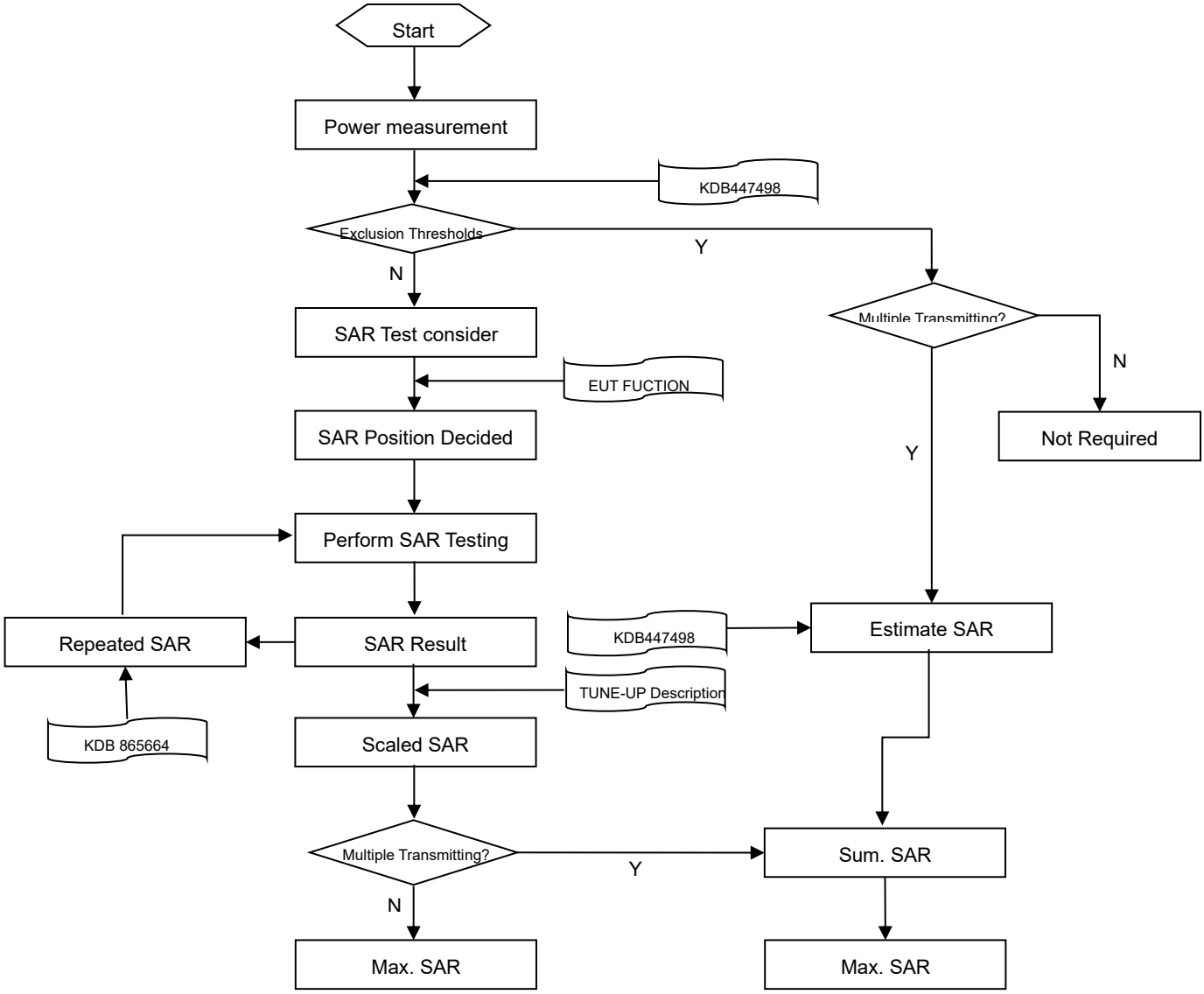
Body-worn accessories that do not contain metallic or conductive components may be tested according to worst-case exposure configurations, typically according to the smallest test separation distance required for the group of body-worn accessories with similar operating and exposure characteristics.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



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="3">Δz Zoom (1): between 1st two points closest to phantom surface</td><td rowspan="3">≤ 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-SZ2440422-AP Power List.pdf”.

8.2 WCDMA

Please refer the document “BL-SZ2440422-AP Power List.pdf”.

8.3 LTE

Please refer the document “BL-SZ2440422-AP Power List.pdf”.

8.4 WIFI

8.4.1 2.4G WIFI-Full Power&DSI1

Band (GHz)	Mode	Channel	Freq. (MHz)	Average Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
2.4 (2.4~2.4835)	802.11b	1	2412	14.00	15.50	No
		6	2437	**14.10**	15.50	Yes
		11	2462	14.00	15.50	No
	802.11g	1	2412	11.90	13.50	No
		6	2437	**15.60**	17.50	Yes
		11	2462	11.31	13.00	No
	802.11n(HT20)	1	2412	10.63	12.50	No
		6	2437	15.70	17.50	No
		11	2462	10.72	12.50	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.

8.4.2 2.4G WIFI-DSI3

Band (GHz)	Mode	Channel	Freq. (MHz)	Average Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
2.4 (2.4~2.4835)	802.11b	1	2412	11.72	13.50	Yes
		6	2437	**11.89**	13.50	Yes
		11	2462	11.65	13.50	Yes
	802.11g	1	2412	11.43	13.50	No
		6	2437	**11.54**	13.50	No
		11	2462	11.23	13.50	No
	802.11n(HT20)	1	2412	11.28	13.50	No
		6	2437	11.45	13.50	No
		11	2462	11.03	13.50	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.

8.4.3 5G WIFI-Full Power&DSI1

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	15.50	17.50	No
		44	5220	15.60	17.50	No
		48	5240	15.70	17.50	No
	802.11n(HT20)	36	5180	16.20	18.00	Yes
		44	5220	**16.30**	18.00	Yes
		48	5240	16.10	18.00	Yes
	802.11n(HT40)	38	5190	12.80	14.50	No
		46	5230	15.40	17.00	No
	802.11ac(VHT20)	36	5180	16.20	18.00	No
		44	5220	16.40	18.00	No
		48	5240	16.50	18.00	No
	802.11ac(VHT40)	38	5190	12.80	14.50	No
		46	5230	15.20	17.00	No
	802.11ac(VHT80)	42	5210	11.60	13.50	No
5.3 (5.25~5.35)	802.11a	52	5260	14.11	16.00	No
		60	5300	14.16	16.00	No
		64	5320	13.80	15.50	No
	802.11n(HT20)	52	5260	14.26	16.00	No
		60	5300	14.18	16.00	No
		64	5320	14.30	16.00	No
	802.11n(HT40)	54	5270	15.40	17.00	No
		62	5310	12.70	14.50	No
	802.11ac(VHT20)	52	5260	14.19	16.00	No
		60	5300	14.16	16.00	No
		64	5320	13.80	15.50	No
	802.11ac(VHT40)	54	5270	15.50	17.00	No
		62	5310	12.60	14.50	No
	802.11ac(VHT80)	58	5290	11.50	13.50	No
5.6 (5.47~5.725)	802.11a	100	5500	13.50	15.50	Yes
		116	5580	**16.47**	18.00	Yes
		140	5700	13.30	15.00	Yes
	802.11n(HT20)	100	5500	13.80	15.50	No
		116	5580	16.60	18.00	No
		140	5700	13.60	15.50	No
	802.11n(HT40)	102	5510	11.60	13.50	No
		118	5590	15.40	17.00	No

		134	5670	15.20	17.00	No
	802.11ac(VHT20)	100	5500	13.30	15.00	No
		116	5580	16.50	18.00	No
		140	5700	16.50	18.00	No
	802.11ac(VHT40)	102	5510	12.70	14.50	No
		118	5590	15.30	17.00	No
		134	5670	15.20	17.00	No
	802.11ac(VHT80)	106	5530	11.60	14.50	No
		122	5690	11.50	14.50	No
5.8 (5.725~5.850)	802.11a	149	5745	10.70	12.50	No
		157	5785	10.60	12.50	No
		165	5825	10.90	12.50	No
	802.11n(HT20)	149	5745	10.50	12.50	No
		157	5785	10.90	12.50	No
		165	5825	10.70	12.50	No
	802.11n(HT40)	151	5755	10.90	12.50	No
		159	5795	10.70	12.50	No
	802.11ac(VHT20)	149	5745	10.50	12.50	No
		157	5785	10.90	12.50	No
		165	5825	10.80	12.50	No
	802.11ac(VHT40)	151	5755	10.90	12.50	No
		159	5795	10.80	12.50	No
	802.11ac(VHT80)	155	5775	**10.70**	12.50	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.						

8.4.4 5G WIFI-DSI3

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	8.38	10.00	No
		44	5220	8.58	10.00	No
		48	5240	8.41	10.00	No
	802.11n(HT20)	36	5180	8.27	10.00	No
		44	5220	8.58	10.00	No
		48	5240	8.62	10.00	No
	802.11n(HT40)	38	5190	8.31	10.00	No
		46	5230	8.47	10.00	No
	802.11ac(VHT20)	36	5180	8.26	10.00	No
		44	5220	8.31	10.00	No
		48	5240	8.82	10.00	No
	802.11ac(VHT40)	38	5190	8.13	10.00	No
		46	5230	8.52	10.00	No
	802.11ac(VHT80)	42	5210	8.56	10.00	No
5.3 (5.25~5.35)	802.11a	52	5260	8.59	10.00	No
		60	5300	8.83	10.00	No
		64	5320	8.81	10.00	No
	802.11n(HT20)	52	5260	8.92	10.00	No
		60	5300	8.71	10.00	No
		64	5320	8.68	10.00	No
	802.11n(HT40)	54	5270	8.84	10.00	No
		62	5310	8.58	10.00	No
	802.11ac(VHT20)	52	5260	8.49	10.00	No
		60	5300	8.71	10.00	No
		64	5320	8.72	10.00	No
	802.11ac(VHT40)	54	5270	8.83	10.00	No
		62	5310	8.59	10.00	No
	802.11ac(VHT80)	58	5290	**8.74**	10.00	Yes
5.6 (5.47~5.725)	802.11a	100	5500	8.90	10.00	No
		116	5580	8.89	10.00	No
		140	5700	8.78	10.00	No
	802.11n(HT20)	100	5500	8.72	10.00	No
		116	5580	8.74	10.00	No
		140	5700	8.67	10.00	No
	802.11n(HT40)	102	5510	8.83	10.00	No
		118	5590	8.81	10.00	No

		134	5670	8.59	10.00	No
	802.11ac(VHT20)	100	5500	8.75	10.00	No
		116	5580	8.72	10.00	No
		140	5700	8.80	10.00	No
	802.11ac(VHT40)	102	5510	8.84	10.00	No
		118	5590	8.72	10.00	No
		134	5670	8.58	10.00	No
	802.11ac(VHT80)	106	5530	**8.53**	10.00	Yes
		122	5690	8.43	10.00	Yes
5.8 (5.725~5.850)	802.11a	149	5745	8.96	10.50	No
		157	5785	8.78	10.50	No
		165	5825	8.69	10.50	No
	802.11n(HT20)	149	5745	8.89	10.50	No
		157	5785	8.64	10.50	No
		165	5825	8.55	10.50	No
	802.11n(HT40)	151	5755	8.97	10.50	No
		159	5795	8.93	10.50	No
	802.11ac(VHT20)	149	5745	9.27	10.50	No
		157	5785	9.08	10.50	No
		165	5825	8.92	10.50	No
	802.11ac(VHT40)	151	5755	8.97	10.50	No
		159	5795	8.94	10.50	No
	802.11ac(VHT80)	155	5775	**8.98**	10.50	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.						

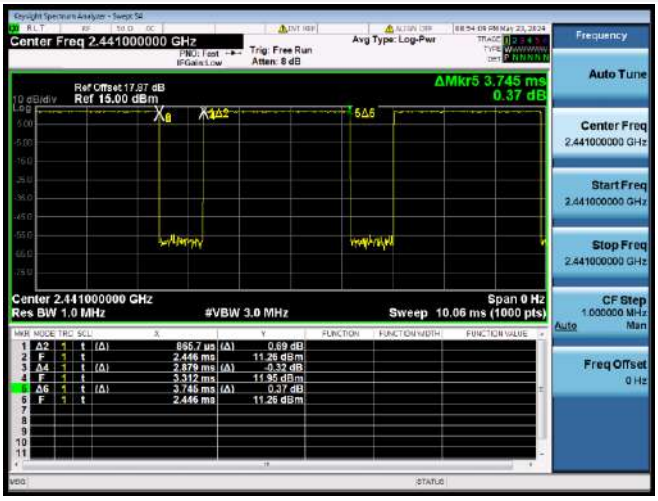
8.5 Bluetooth

Mode	GFSK			π/4-DQPSK		
Channel	0	39	78	0	39	78
Frequency (MHz)	2402	2441	2480	2402	2441	2480
Average Power (dBm)	11.43	**11.52**	11.49	9.15	8.92	8.96
Tune-Up Limit (dBm)	13.00	13.00	13.00	10.00	10.00	10.00
SAR Test Require	YES	YES	YES	NO	NO	NO
Mode	8-DPSK			/		
Channel	0	39	78	/	/	/
Frequency (MHz)	2402	2441	2480	/	/	/
Average Power (dBm)	9.97	9.96	9.98	/	/	/
Tune-Up Limit (dBm)	10.00	10.00	10.00	/	/	/
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
Average Power (dBm)	5.35	6.14	5.16	5.53	6.27	5.29
Tune-Up Limit (dBm)	7.00	8.00	7.00	7.00	8.00	7.00
SAR Test Require	NO	NO	NO	NO	NO	NO
Note 1: 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 Power Reduction List

1. This mobile phone device supports the receiver detection mechanism .This device uses the receiver to indicate whether the user is making a call in head.
2. When device is making call in head, and the receiver will work, the power reduction will applied for SAR compliance.
3. When there is a voice call (including VOIP), the audio is actively routed through the headset or speaker, and the receiver will not work, which indicating the body/Limbs exposure conditions will trigger the body/Limbs exposure reduced the power.
4. When this device used data mode only, and the receiver will not work too, the reduced the power are same as body/Limbs exposure.

WWAN Reduced power level table

Reduced level	Receiver state	Antenna	Transmitting conditions
DSI1	On (head scenario)	Ant.0	Only WWAN WWAN + WLAN 2.4G WWAN + WLAN 5G+BT
DSI3	Off (Body scenario)	Ant.0	Only WWAN WWAN + WLAN 2.4G WWAN + WLAN 5G+BT

Mode	Antenna	WWAN Antenna		
		Full Power	Receiver on	Receiver off
			Head	Body
		Off	DSI1	DSI3
GSM 850	Ant.0	33.50	27.50	26.00
GPRS850 1 Tx Slot	Ant.0	33.50	27.50	26.00
GPRS850 2 Tx Slots	Ant.0	32.00	26.00	24.50
GPRS850 3 Tx Slots	Ant.0	30.50	24.50	23.00
GPRS850 4 Tx Slots	Ant.0	29.00	23.00	21.50
EGPRS850 1 Tx Slot	Ant.0	28.00	22.00	20.50
EGPRS850 2 Tx Slots	Ant.0	25.00	19.00	17.50
EGPRS850 3 Tx Slots	Ant.0	23.20	17.20	15.70
EGPRS850 4 Tx Slots	Ant.0	22.00	16.00	14.50
GSM 1900	Ant.0	30.50	23.50	20.00
GPRS1900 1 Tx Slot	Ant.0	30.50	23.50	20.00
GPRS1900 2 Tx Slots	Ant.0	29.00	22.00	18.50
GPRS1900 3 Tx Slots	Ant.0	27.50	20.50	17.00
GPRS1900 4 Tx Slots	Ant.0	26.00	19.00	15.50
EGPRS1900 1 Tx Slot	Ant.0	27.00	20.00	16.50
EGPRS1900 2 Tx Slots	Ant.0	24.00	17.00	13.50
EGPRS1900 3 Tx Slots	Ant.0	22.20	15.20	11.70
EGPRS1900 4 Tx Slots	Ant.0	21.00	14.00	10.50

WCDMA Band2 AMR	Ant.0	25.50	17.50	13.00
WCDMA Band2 RMC	Ant.0	25.50	17.50	13.00
HSDPA Subtest-1	Ant.0	24.50	16.50	12.00
HSDPA Subtest-2	Ant.0	24.50	16.50	12.00
HSDPA Subtest-3	Ant.0	24.00	16.00	11.50
HSDPA Subtest-4	Ant.0	24.00	16.00	11.50
DC-HSDPA Subtest-1	Ant.0	24.50	16.50	12.00
DC-HSDPA Subtest-2	Ant.0	24.50	16.50	12.00
DC-HSDPA Subtest-3	Ant.0	24.00	16.00	11.50
DC-HSDPA Subtest-4	Ant.0	24.00	16.00	11.50
HSUPA Subtest-1	Ant.0	22.50	14.50	10.00
HSUPA Subtest-2	Ant.0	22.50	14.50	10.00
HSUPA Subtest-3	Ant.0	23.00	15.00	10.50
HSUPA Subtest-4	Ant.0	22.00	14.00	9.50
HSUPA Subtest-5	Ant.0	23.50	15.50	11.00
HSPA+	Ant.0	22.50	14.50	10.00
WCDMA Band4 AMR	Ant.2	25.50	18.00	14.00
WCDMA Band4 RMC	Ant.2	25.50	18.00	14.00
HSDPA Subtest-1	Ant.2	24.50	17.00	13.00
HSDPA Subtest-2	Ant.2	24.50	17.00	13.00
HSDPA Subtest-3	Ant.2	24.00	16.50	12.50
HSDPA Subtest-4	Ant.2	24.00	16.50	12.50
DC-HSDPA Subtest-1	Ant.2	24.50	17.00	13.00
DC-HSDPA Subtest-2	Ant.2	24.50	17.00	13.00
DC-HSDPA Subtest-3	Ant.2	24.00	16.50	12.50
DC-HSDPA Subtest-4	Ant.2	24.00	16.50	12.50
HSUPA Subtest-1	Ant.2	22.50	15.00	11.00
HSUPA Subtest-2	Ant.2	22.50	15.00	11.00
HSUPA Subtest-3	Ant.2	23.00	15.50	11.50
HSUPA Subtest-4	Ant.2	22.00	14.50	10.50
HSUPA Subtest-5	Ant.2	23.50	16.00	12.00
HSPA+	Ant.2	22.50	15.00	11.00
WCDMA Band5 AMR	Ant.0	25.50	21.50	19.50
WCDMA Band5 RMC	Ant.0	25.50	21.50	19.50
HSDPA Subtest-1	Ant.0	24.50	20.50	18.50
HSDPA Subtest-2	Ant.0	24.50	20.50	18.50
HSDPA Subtest-3	Ant.0	24.00	20.00	18.00
HSDPA Subtest-4	Ant.0	24.00	20.00	18.00
DC-HSDPA Subtest-1	Ant.0	24.50	20.50	18.50
DC-HSDPA Subtest-2	Ant.0	24.50	20.50	18.50
DC-HSDPA Subtest-3	Ant.0	24.00	20.00	18.00
DC-HSDPA Subtest-4	Ant.0	24.00	20.00	18.00
HSUPA Subtest-1	Ant.0	22.50	18.50	16.50

HSUPA Subtest-2	Ant.0	22.50	18.50	16.50
HSUPA Subtest-3	Ant.0	23.00	19.00	17.00
HSUPA Subtest-4	Ant.0	22.00	18.00	16.00
HSUPA Subtest-5	Ant.0	23.50	19.50	17.50
HSPA+	Ant.0	22.50	18.50	16.50
LTE Band2	Ant.0	25.50	17.50	13.00
LTE Band4	Ant.0	25.50	18.00	13.00
LTE Band5	Ant.0	25.50	21.50	20.00
LTE Band7	Ant.0	25.50	19.50	11.50
LTE Band13	Ant.0	25.50	23.50	20.50
LTE Band26	Ant.0	25.50	21.50	19.50
LTE Band66	Ant.0	25.50	18.00	13.50
LTE Band38	Ant.0	25.50	22.00	13.00
LTE Band41	Ant.0	25.50	21.50	12.50

WLAN&BT Reduced power level table

Reduced State	Receiver state	Transmitting conditions
DSI1	On (Head scenario)	WLAN 2.4G Only WLAN 5G Only BT Only WWAN + WLAN 2.4G/WLAN 5G+BT
DSI3	Off (Body scenario)	WLAN 2.4G Only WLAN 5G Only BT Only WWAN + WLAN 2.4G/WLAN 5G+BT

Mode	Antenna	WLAN Antenna2		
		Full Power	Head	Body
			Receiver on	Receiver off
			DSI1	DSI3
2.4G WLAN 802.11b	ANT2	15.50	15.50	13.50
2.4G WLAN 802.11g	ANT2	17.50	17.50	13.50
2.4G WLAN 802.11n20	ANT2	17.50	17.50	13.50
5.2&5.3G WLAN 802.11a	ANT2	17.50	17.50	10.00
5.2&5.3G WLAN 802.11n20	ANT2	18.00	18.00	10.00
5.2&5.3G WLAN 802.11n40	ANT2	17.00	17.00	10.00
5.2&5.3G WLAN 802.11ac20	ANT2	18.00	18.00	10.00
5.2&5.3G WLAN 802.11ac40	ANT2	17.00	17.00	10.00
5.2&5.3G WLAN 802.11ac80	ANT2	13.50	13.50	10.00
5.6G WLAN 802.11a	ANT2	18.00	18.00	10.00
5.6G WLAN 802.11n20	ANT2	18.00	18.00	10.00
5.6G WLAN 802.11n40	ANT2	17.00	17.00	10.00
5.6G WLAN 802.11ac20	ANT2	18.00	18.00	10.00
5.6G WLAN 802.11ac40	ANT2	17.00	17.00	10.00
5.6G WLAN 802.11ac80	ANT2	13.50	13.50	10.00
5.8G WLAN 802.11a	ANT2	12.50	12.50	10.50
5.8G WLAN 802.11n20	ANT2	12.50	12.50	10.50
5.8G WLAN 802.11n40	ANT2	12.50	12.50	10.50
5.8G WLAN 802.11ac20	ANT2	12.50	12.50	10.50
5.8G WLAN 802.11ac40	ANT2	12.50	12.50	10.50
5.8G WLAN 802.11ac80	ANT2	12.50	12.50	10.50
Bluetooth	ANT2	13.00	13.00	13.00

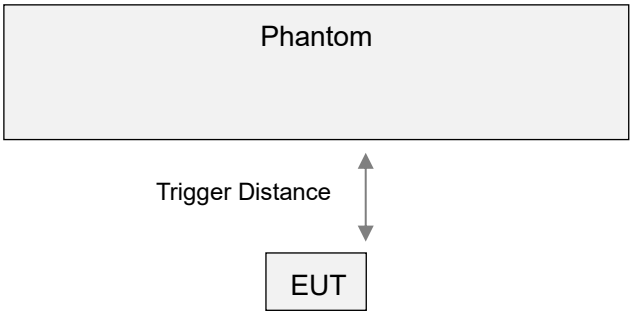
9 PROXIMITY SENSOR TRIGGERING TEST

9.1 Procedures for determining proximity sensor distance

The device uses one proximity sensors to reduce the maximum output power in selected wireless mode and operating configurations to ensure SAR compliance. The sensor implementation can identify and facilitate triggering different max power levels for different scenarios including the device held by hand(Extremity) and different exposure test positions test positions when the device is closed to a user's body.

Proximity sensor triggering distance testing was performed, EUT moving further away from the phantom and EUT moving toward the phantom were both assessed, and the shortest triggering distances were reported and used for SAR assessment. Note that while sensor is failed and it sets the output power to the lowest one in the sensor trigger state ,to make sure the SAR requirements can still be satisfied.

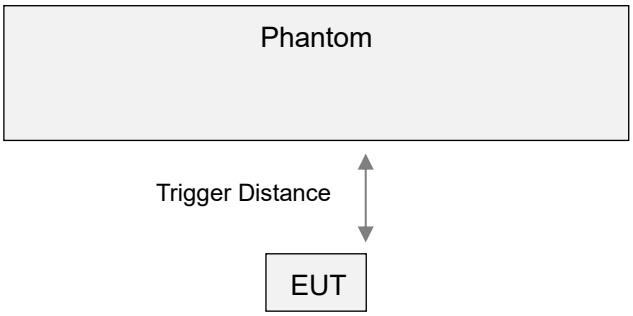
9.1.1 proximity sensor_1



EUT moving toward Phantom

Distance in mm	1~8	9	10	11~13	14	15	16	17	18	19~23	24
Front Side	On	On	On	On	On	On	On	Off	Off	Off	Off
Back Side	On	On	On	On	On	On	On	On	On	Off	Off
Left Edge	On	On	On	On	On	On	On	Off	Off	Off	Off
Top Edge	On	On	On	On	On	On	On	Off	Off	Off	Off
Note: Power reduction is only applicable for ANT0.											

9.1.2 proximity sensor channel-2



Distance in mm	9	10	11	12	13~14	15	16	17	18	19~23	24
Front Side	On	On	On	On	On	On	On	Off	Off	Off	Off
Back Side	On	On	On	On	On	On	On	Off	Off	Off	Off
Right Edge	On	On	On	Off	Off	Off	Off	Off	Off	Off	Off
Top Edge	On	On	On	On	On	On	On	Off	Off	Off	Off
Note: Power reduction is only applicable for ANT2.											

To ensure all production units are compliant, it is generally necessary to reduce the triggering distance determined from the triggering tests by 1 mm, or more if it is necessary, and use the smallest distance for EUT moving toward the phantom, minus 1 mm, as the sensor triggering distance for determining the SAR measurement distance.

ANT0 of proximity sensor_1

EUT Sides	Additional SAR test Distance in mm
Front Side	16
Back Side	18
Left Edge	16
Top Edge	16

ANT2 of proximity sensor_2

EUT Sides	Additional SAR test Distance in mm
Front Side	16
Back Side	16
Right Edge	11
Top Edge	16

9.2 Procedures for determining EUT tilt angle influences to proximity sensor triggering

The influence of EUT tilt angles to proximity sensor_1 triggering was determined by positioning each EUT edge that contains a transmitting antenna 0, perpendicular to the flat phantom, at 16 mm separation for the left edge and 16 mm separation for the top edge.
Rotating the EUT around the edge next to the phantom in $\leqslant 10^{\circ}$ increments until the EUT is $\pm 45^{\circ}$ from the vertical position at 0°, and the maximum output power remains in the reduced mode.

The influence of EUT tilt angles to proximity sensor_2 triggering was determined by positioning each EUT edge that contains a transmitting antenna 2, perpendicular to the flat phantom, at 11 mm separation for the right edge and 16 mm separation for the top edge.
Rotating the EUT around the edge next to the phantom in $\leqslant 10^{\circ}$ increments until the EUT is $\pm 45^{\circ}$ from the vertical position at 0°, and the maximum output power remains in the reduced mode.

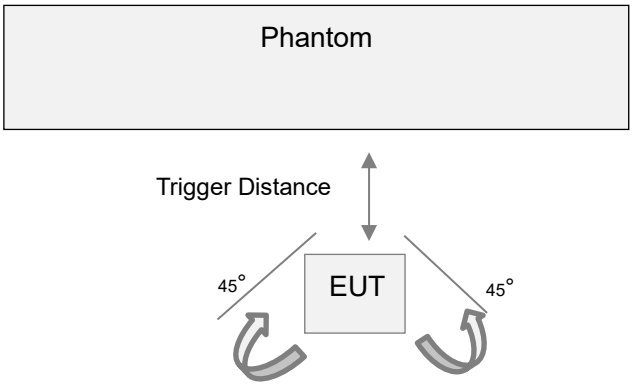


Table: Summary of Phone Tilt Angle Influence to Proximity Sensor Triggering(Right/Top edge)

Antenna	Posltion	Minimum trigger distance at which power reduction was maintained over ±45°	Power Reduction Status										
			-45°	-35°	-25°	-15°	-5°	0°	5°	15°	25°	35°	45°
ANT0	Top Edge	16mm	on	on	on	on	on	on	on	on	on	on	on
ANT0	Left Edge	16mm	on	on	on	on	on	on	on	on	on	on	on
ANT2	Top Edge	16mm	on	on	on	on	on	on	on	on	on	on	on
ANT2	Right Edge	11mm	on	on	on	on	on	on	on	on	on	on	on

10 TEST EXCLUSION CONSIDERATION

Please refer the document “BL-SZ2440422-AI EUT internal photo.pdf”.

Antenna	Front Side(mm)	Back Side(mm)	Left Edge(mm)	Right Edge(mm)	Top Edge(mm)	Bottom Edge(mm)
Ant.0	<25	<25	<25	>25	<25	>25
Ant.2	<25	<25	>25	<25	<25	>25
Note: 1. 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.						

11 TEST RESULT

11.1 GSM 850

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head													
Ant.0	DSI1	DATA 3slots	Left Cheek	0	251	848.8	-0.17	0.231	23.59	24.50	1.233	0.285	/
	DSI1	DATA 3slots	Left Tilt	0	251	848.8	0.08	0.262	23.59	24.50	1.233	0.323	/
	DSI1	DATA 3slots	Right Cheek	0	251	848.8	0.00	0.570	23.65	24.50	1.216	**0.693**	1#
	DSI1	DATA 3slots	Right Tilt	0	251	848.8	0.18	0.441	23.59	24.50	1.233	0.544	/
Body													
Ant.0	DSI3	DATA 3slots	Front Side	0	128	824.2	0.00	0.743	22.15	23.00	1.216	**0.904**	2#
	DSI3	DATA 3slots	Back Side	0	128	824.2	-0.15	0.523	22.15	23.00	1.216	0.636	/
	DSI3	DATA 3slots	Left Edge	0	128	824.2	0.09	0.665	22.15	23.00	1.216	0.809	/
	DSI3	DATA 3slots	Top Edge	0	128	824.2	-0.14	0.302	22.15	23.00	1.216	0.367	/
	DSI3	DATA 3slots	Front Side	0	190	836.6	0.19	0.611	22.05	23.00	1.245	0.760	/
	DSI3	DATA 3slots	Front Side	0	251	848.8	-0.13	0.595	22.12	23.00	1.225	0.729	/
Body (n-1)													
Ant.0	Full Power	DATA 3slots	Front Side	15	190	836.6	0.02	0.584	29.98	30.50	1.127	0.658	/
	Full Power	DATA 3slots	Back Side	17	190	836.6	-0.01	0.604	29.98	30.50	1.127	**0.681**	/
	Full Power	DATA 3slots	Left Edge	15	190	836.6	-0.05	0.259	29.98	30.50	1.127	0.292	/
	Full Power	DATA 3slots	Top Edge	15	190	836.6	-0.16	0.581	29.98	30.50	1.127	0.655	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.													

11.2 GSM 1900

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head													
Ant.0	DSI1	DATA 3slots	Left Cheek	0	512	1850.2	-0.13	0.141	19.62	20.50	1.225	0.173	/
	DSI1	DATA 3slots	Left Tilt	0	512	1850.2	0.10	0.156	19.62	20.50	1.225	0.191	/
	DSI1	DATA 3slots	Right Cheek	0	512	1850.2	0.00	0.542	19.62	20.50	1.225	**0.664**	3#
	DSI1	DATA 3slots	Right Tilt	0	512	1850.2	0.18	0.432	19.62	20.50	1.225	0.529	/
Body													
Ant.0	DSI3	DATA 3slots	Front Side	0	661	1880.0	-0.01	0.685	16.21	17.00	1.199	0.822	/
	DSI3	DATA 3slots	Back Side	0	661	1880.0	0.12	0.721	16.21	17.00	1.199	0.865	/
	DSI3	DATA 3slots	Left Edge	0	661	1880.0	0.02	0.135	16.21	17.00	1.199	0.162	/
	DSI3	DATA 3slots	Top Edge	0	661	1880.0	-0.05	0.571	16.21	17.00	1.199	0.685	/
	DSI3	DATA 3slots	Back Side	0	512	1850.2	-0.11	0.702	16.07	17.00	1.240	0.870	/
	DSI3	DATA 3slots	Back Side	0	810	1909.8	0.00	0.731	16.20	17.00	1.202	**0.879**	4#
Body (n-1)													
Ant.0	Full Power	DATA 3slots	Front Side	15	810	1909.8	-0.15	0.349	26.99	27.50	1.124	0.392	/
	Full Power	DATA 3slots	Back Side	17	810	1909.8	-0.19	0.492	26.99	27.50	1.124	**0.553**	/
	Full Power	DATA 3slots	Left Edge	15	810	1909.8	-0.10	0.120	26.99	27.50	1.124	0.135	/
	Full Power	DATA 3slots	Top Edge	15	810	1909.8	-0.17	0.452	26.99	27.50	1.124	0.508	/

Note: Refer to ANNEX C for the detailed test data for each test configuration.

11.3WCDMA Band 2

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head													
Ant.0	DSI1	RMC	Left Cheek	0	9262	1852.4	-0.09	0.154	16.25	17.50	1.334	0.205	/
	DSI1		Left Tilt	0	9262	1852.4	0.16	0.173	16.25	17.50	1.334	0.231	/
	DSI1		Right Cheek	0	9262	1852.4	-0.04	0.655	16.25	17.50	1.334	0.873	/
	DSI1		Right Tilt	0	9262	1852.4	-0.14	0.592	16.25	17.50	1.334	0.789	/
	DSI1		Right Cheek	0	9400	1880.0	0.14	0.641	16.17	17.50	1.358	0.871	/
	DSI1		Right Cheek	0	9538	1907.6	0.00	0.679	16.20	17.50	1.349	**0.916**	5#
Body													
Ant.0	DSI3	RMC	Front Side	0	9400	1880.0	-0.11	0.374	11.73	13.00	1.340	0.501	/
	DSI3		Back Side	0	9400	1880.0	0.01	0.528	11.73	13.00	1.340	**0.707**	6#
	DSI3		Left Edge	0	9400	1880.0	-0.05	0.072	11.73	13.00	1.340	0.096	/
	DSI3		Top Edge	0	9400	1880.0	-0.18	0.466	11.73	13.00	1.340	0.624	/
Body (n-1)													
Ant.0	Full Power	RMC	Front Side	15	9262	1852.4	0.11	0.461	24.07	25.50	1.390	0.641	/
	Full Power		Back Side	17	9262	1852.4	0.14	0.733	24.07	25.50	1.390	1.019	/
	Full Power		Left Edge	15	9262	1852.4	-0.06	0.207	24.07	25.50	1.390	0.288	/
	Full Power		Top Edge	15	9262	1852.4	-0.16	0.587	24.07	25.50	1.390	0.816	/
	Full Power		Back Side	17	9400	1880.0	0.05	0.721	24.02	25.50	1.406	1.014	/
	Full Power		Back Side	17	9538	1907.6	-0.12	0.754	24.04	25.50	1.400	**1.055**	/

Note: Refer to ANNEX C for the detailed test data for each test configuration.

11.4WCDMA Band 4

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head													
Ant.0	DSI1	RMC	Left Cheek	0	1513	1752.6	-0.17	0.165	16.74	18.00	1.337	0.221	/
	DSI1		Left Tilt	0	1513	1752.6	-0.09	0.153	16.74	18.00	1.337	0.204	/
	DSI1		Right Cheek	0	1513	1752.6	0.16	0.581	16.74	18.00	1.337	**0.777**	7#
	DSI1		Right Tilt	0	1513	1752.6	0.14	0.454	16.74	18.00	1.337	0.607	/
Body													
Ant.0	DSI3	RMC	Front Side	0	1312	1712.4	0.17	0.423	12.63	14.00	1.371	0.580	/
	DSI3		Back Side	0	1312	1712.4	-0.05	0.685	12.63	14.00	1.371	0.939	/
	DSI3		Left Edge	0	1312	1712.4	0.18	0.112	12.63	14.00	1.371	0.154	/
	DSI3		Top Edge	0	1312	1712.4	0.03	0.474	12.63	14.00	1.371	0.650	/
	DSI3		Back Side	0	1412	1732.4	0.03	0.723	12.58	14.00	1.387	1.003	/
	DSI3		Back Side	0	1513	1752.6	0.01	0.754	12.59	14.00	1.384	**1.043**	8#
Body (n-1)													
Ant.0	Full Power	RMC	Front Side	15	1412	1732.4	-0.05	0.407	24.48	25.50	1.265	0.515	/
	Full Power		Back Side	17	1412	1732.4	-0.01	0.591	24.48	25.50	1.265	**0.747**	/
	Full Power		Left Edge	15	1412	1732.4	0.07	0.255	24.48	25.50	1.265	0.323	/
	Full Power		Top Edge	15	1412	1732.4	-0.18	0.336	24.48	25.50	1.265	0.425	/

Note: Refer to ANNEX C for the detailed test data for each test configuration.

11.5WCDMA Band 5

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head													
Ant.0	DSI1	RMC	Left Cheek	0	4182	836.4	0.17	0.274	19.75	21.50	1.496	0.410	/
	DSI1		Left Tilt	0	4182	836.4	-0.11	0.265	19.75	21.50	1.496	0.397	/
	DSI1		Right Cheek	0	4182	836.4	0.00	0.590	19.75	21.50	1.496	**0.883**	9#
	DSI1		Right Tilt	0	4182	836.4	-0.06	0.511	19.75	21.50	1.496	0.765	/
	DSI1		Right Cheek	0	4132	826.4	0.05	0.576	19.68	21.50	1.521	0.876	/
	DSI1		Right Cheek	0	4233	846.6	0.11	0.577	19.74	21.50	1.500	0.865	/
Body													
Ant.0	DSI3	RMC	Front Side	0	4182	836.4	-0.01	0.565	17.73	19.50	1.503	**0.849**	10#
	DSI3		Back Side	0	4182	836.4	-0.11	0.323	17.73	19.50	1.503	0.486	/
	DSI3		Left Edge	0	4182	836.4	0.18	0.512	17.73	19.50	1.503	0.770	/
	DSI3		Top Edge	0	4182	836.4	0.01	0.332	17.73	19.50	1.503	0.499	/
	DSI3		Front Side	0	4132	826.4	0.19	0.523	17.68	19.50	1.521	0.795	/
	DSI3		Front Side	0	4233	846.6	-0.06	0.511	17.73	19.50	1.503	0.768	/
Body (n-1)													
Ant.0	Full Power	RMC	Front Side	15	4182	836.4	-0.12	0.361	24.24	25.50	1.337	0.483	/
	Full Power		Back Side	17	4182	836.4	0.04	0.432	24.24	25.50	1.337	**0.577**	/
	Full Power		Left Edge	15	4182	836.4	0.10	0.176	24.24	25.50	1.337	0.235	/
	Full Power		Top Edge	15	4182	836.4	0.01	0.407	24.24	25.50	1.337	0.544	/

Note: Refer to ANNEX C for the detailed test data for each test configuration.

11.6 LTE Band 2 (20MHz Bandwidth)

Antenna	Power Reduction	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 power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head															
Ant.0	DSI1	QPSK	Left Cheek	0	18900	1880	1	MID	0.03	0.132	16.14	17.50	1.368	0.181	/
	DSI1		Left Tilt	0	18900	1880	1	MID	0.09	0.141	16.14	17.50	1.368	0.193	/
	DSI1		Right Cheek	0	18900	1880	1	MID	0.00	0.537	16.14	17.50	1.368	**0.734**	11#
	DSI1		Right Tilt	0	18900	1880	1	MID	-0.18	0.488	16.14	17.50	1.368	0.667	/
	DSI1		Left Cheek	0	18900	1880	50	LOW	-0.14	0.126	15.99	17.50	1.416	0.178	/
	DSI1		Left Tilt	0	18900	1880	50	LOW	-0.04	0.135	15.99	17.50	1.416	0.191	/
	DSI1		Right Cheek	0	18900	1880	50	LOW	0.03	0.505	15.99	17.50	1.416	0.715	/
	DSI1		Right Tilt	0	18900	1880	50	LOW	0.14	0.463	15.99	17.50	1.416	0.656	/
Body															
Ant.0	DSI3	QPSK	Front Side	0	18900	1880	1	MID	0.19	0.411	11.77	13.00	1.327	0.546	/
	DSI3		Back Side	0	18900	1880	1	MID	0.16	0.672	11.77	13.00	1.327	0.892	/
	DSI3		Left Edge	0	18900	1880	1	MID	-0.18	0.075	11.77	13.00	1.327	0.100	/
	DSI3		Top Edge	0	18900	1880	1	MID	0.05	0.465	11.77	13.00	1.327	0.617	/
	DSI3		Front Side	0	18900	1880	50	LOW	-0.01	0.274	11.65	13.00	1.365	0.374	/
	DSI3		Back Side	0	18900	1880	50	LOW	0.08	0.706	11.65	13.00	1.365	0.963	/
	DSI3		Left Edge	0	18900	1880	50	LOW	-0.03	0.081	11.65	13.00	1.365	0.111	/
	DSI3		Top Edge	0	18900	1880	50	LOW	-0.13	0.466	11.65	13.00	1.365	0.636	/
	DSI3		Back Side	0	19100	1900	1	MID	-0.02	0.725	11.75	13.00	1.334	**0.967**	12#
	DSI3		Back Side	0	18700	1860	1	MID	-0.12	0.656	11.64	13.00	1.368	0.897	/
	DSI3		Back Side	0	19100	1900	50	MID	-0.18	0.701	11.63	13.00	1.371	0.961	/
	DSI3		Back Side	0	18700	1860	50	MID	0.00	0.682	11.60	13.00	1.380	0.941	/
	DSI3		Back Side	0	18900	1880	100	LOW	0.01	0.574	11.63	13.00	1.371	0.787	/
Body(n-1)															
Ant.0	Full Power	QPSK	Front Side	15	18900	1880	1	MID	-0.16	0.418	24.07	25.50	1.390	0.581	/
	Full Power		Back Side	17	18900	1880	1	MID	0.16	0.675	24.07	25.50	1.390	0.938	/
	Full Power		Left Edge	15	18900	1880	1	MID	-0.07	0.209	24.07	25.50	1.390	0.291	/
	Full Power		Top Edge	15	18900	1880	1	MID	0.04	0.535	24.07	25.50	1.390	0.744	/
	Full Power		Front Side	15	18700	1860	50	LOW	0.07	0.355	22.93	24.50	1.435	0.510	/
	Full Power		Back Side	17	18700	1860	50	LOW	-0.19	0.531	22.93	24.50	1.435	0.762	/
	Full Power		Left Edge	15	18700	1860	50	LOW	-0.08	0.169	22.93	24.50	1.435	0.243	/
	Full Power		Top Edge	15	18700	1860	50	LOW	0.01	0.467	22.93	24.50	1.435	0.670	/
	Full Power		Back Side	17	19100	1900	1	MID	-0.07	0.651	24.06	25.50	1.393	0.907	/
	Full Power		Back Side	17	18700	1860	1	MID	-0.03	0.679	23.89	25.50	1.449	**0.984**	/

Note: Refer to ANNEX C for the detailed test data for each test configuration.

11.7 LTE Band 4 (20MHz Bandwidth)

Antenna	Power Reduction	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 power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head															
Ant.0	DSI1	QPSK	Left Cheek	0	20175	1732.5	1	MID	-0.19	0.152	16.86	18.00	1.300	0.198	/
	DSI1		Left Tilt	0	20175	1732.5	1	MID	-0.14	0.133	16.86	18.00	1.300	0.173	/
	DSI1		Right Cheek	0	20175	1732.5	1	MID	-0.08	0.495	16.86	18.00	1.300	0.644	/
	DSI1		Right Tilt	0	20175	1732.5	1	MID	0.03	0.411	16.86	18.00	1.300	0.534	/
	DSI1		Left Cheek	0	20175	1732.5	50	MID	0.02	0.151	16.74	18.00	1.337	0.202	/
	DSI1		Left Tilt	0	20175	1732.5	50	MID	0.08	0.132	16.74	18.00	1.337	0.176	/
	DSI1		Right Cheek	0	20175	1732.5	50	MID	0.08	0.447	16.74	18.00	1.337	0.597	/
	DSI1		Right Tilt	0	20175	1732.5	50	MID	0.17	0.413	16.74	18.00	1.337	0.552	/
	DSI1		Right Cheek	0	20050	1720	1	MID	-0.10	0.502	16.75	18.00	1.334	0.669	/
	DSI1		Right Cheek	0	20300	1745	1	MID	0.00	0.536	16.65	18.00	1.365	**0.731**	13#
Body															
Ant.0	DSI3	QPSK	Front Side	0	20175	1732.5	1	MID	-0.15	0.345	11.90	13.00	1.288	0.444	/
	DSI3		Back Side	0	20175	1732.5	1	MID	0.08	0.532	11.90	13.00	1.288	**0.685**	14#
	DSI3		Left Edge	0	20175	1732.5	1	MID	-0.07	0.081	11.90	13.00	1.288	0.104	/
	DSI3		Top Edge	0	20175	1732.5	1	MID	-0.15	0.321	11.90	13.00	1.288	0.414	/
	DSI3		Front Side	0	20175	1732.5	50	MID	-0.15	0.288	11.80	13.00	1.318	0.380	/
	DSI3		Back Side	0	20175	1732.5	50	MID	0.16	0.516	11.80	13.00	1.318	0.680	/
	DSI3		Left Edge	0	20175	1732.5	50	MID	0.10	0.081	11.80	13.00	1.318	0.107	/
	DSI3		Top Edge	0	20175	1732.5	50	MID	0.15	0.274	11.80	13.00	1.318	0.361	/
Body(n-1)															
Ant.0	Full Power	QPSK	Front Side	15	20175	1732.5	1	MID	-0.08	0.409	24.58	25.50	1.236	0.506	/
	Full Power		Back Side	17	20175	1732.5	1	MID	-0.11	0.540	24.58	25.50	1.236	**0.667**	/
	Full Power		Left Edge	15	20175	1732.5	1	MID	0.18	0.244	24.58	25.50	1.236	0.302	/
	Full Power		Top Edge	15	20175	1732.5	1	MID	-0.12	0.316	24.58	25.50	1.236	0.391	/
	Full Power		Front Side	15	20300	1745	50	MID	0.13	0.346	23.45	24.50	1.274	0.441	/
	Full Power		Back Side	17	20300	1745	50	MID	0.09	0.453	23.45	24.50	1.274	0.577	/
	Full Power		Left Edge	15	20300	1745	50	MID	-0.12	0.193	23.45	24.50	1.274	0.246	/
	Full Power		Top Edge	15	20300	1745	50	MID	0.19	0.262	23.45	24.50	1.274	0.334	/

Note: Refer to ANNEX C for the detailed test data for each test configuration.

11.8 LTE Band 5 (10MHz Bandwidth)

Antenna	Power Reduction	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 power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head															
Ant.0	DSI1	QPSK	Left Cheek	0	20525	836.5	1	MID	-0.12	0.256	20.01	21.50	1.409	0.361	/
	DSI1		Left Tilt	0	20525	836.5	1	MID	0.15	0.244	20.01	21.50	1.409	0.344	/
	DSI1		Right Cheek	0	20525	836.5	1	MID	0.03	0.574	20.01	21.50	1.409	0.809	/
	DSI1		Right Tilt	0	20525	836.5	1	MID	0.19	0.516	20.01	21.50	1.409	0.727	/
	DSI1		Left Cheek	0	20525	836.5	25	MID	0.04	0.243	20.04	21.50	1.400	0.340	/
	DSI1		Left Tilt	0	20525	836.5	25	MID	0.19	0.221	20.04	21.50	1.400	0.309	/
	DSI1		Right Cheek	0	20525	836.5	25	MID	0.06	0.543	20.04	21.50	1.400	0.760	/
	DSI1		Right Tilt	0	20525	836.5	25	MID	-0.11	0.516	20.04	21.50	1.400	0.722	/
	DSI1		Right Cheek	0	20450	829	1	MID	0.08	0.532	19.91	21.50	1.442	0.767	/
	DSI1		Right Cheek	0	20600	844	1	MID	0.01	0.581	19.96	21.50	1.426	**0.828**	15#
	DSI1		Right Cheek	0	20450	829	25	MID	-0.07	0.525	19.86	21.50	1.459	0.766	/
	DSI1		Right Cheek	0	20600	844	25	MID	0.08	0.502	19.89	21.50	1.449	0.727	/
	DSI1		Right Cheek	0	20525	844	50	LOW	0.02	0.433	19.95	21.50	1.429	0.619	/
Body															
Ant.0	DSI3	QPSK	Front Side	0	20525	836.5	1	MID	-0.03	0.625	18.54	20.00	1.400	0.875	/
	DSI3		Back Side	0	20525	836.5	1	MID	0.11	0.511	18.54	20.00	1.400	0.715	/
	DSI3		Left Edge	0	20525	836.5	1	MID	0.07	0.634	18.54	20.00	1.400	0.887	/
	DSI3		Top Edge	0	20525	836.5	1	MID	0.17	0.365	18.54	20.00	1.400	0.511	/
	DSI3		Front Side	0	20525	836.5	25	MID	0.03	0.441	18.57	20.00	1.390	0.613	/
	DSI3		Back Side	0	20525	836.5	25	MID	0.19	0.402	18.57	20.00	1.390	0.559	/
	DSI3		Left Edge	0	20525	836.5	25	MID	-0.10	0.434	18.57	20.00	1.390	0.603	/
	DSI3		Top Edge	0	20525	836.5	25	MID	-0.17	0.332	18.57	20.00	1.390	0.461	/
	DSI3		Front Side	0	20450	829	1	MID	0.19	0.588	18.43	20.00	1.435	0.844	/
	DSI3		Front Side	0	20600	844	1	MID	0.00	0.672	18.47	20.00	1.422	**0.956**	16#
	DSI3		Front Side	0	20450	829	25	MID	0.01	0.621	18.40	20.00	1.445	0.898	/
	DSI3		Front Side	0	20600	844	25	MID	-0.06	0.634	18.43	20.00	1.435	0.910	/
	DSI3		Front Side	0	20525	836.5	50	LOW	0.02	0.522	18.50	20.00	1.413	0.737	/
Body(n-1)															
Ant.0	Full Power	QPSK	Front Side	15	20450	829	1	MID	-0.10	0.358	24.35	25.50	1.303	0.467	/
	Full Power		Back Side	17	20450	829	1	MID	-0.03	0.398	24.35	25.50	1.303	**0.519**	/
	Full Power		Left Edge	15	20450	829	1	MID	-0.10	0.171	24.35	25.50	1.303	0.223	/
	Full Power		Top Edge	15	20450	829	1	MID	-0.02	0.357	24.35	25.50	1.303	0.465	/
	Full Power		Front Side	15	20525	836.5	25	LOW	-0.04	0.295	23.43	24.50	1.279	0.377	/
	Full Power		Back Side	17	20525	836.5	25	LOW	-0.10	0.328	23.43	24.50	1.279	0.420	/
	Full Power		Left Edge	15	20525	836.5	25	LOW	0.17	0.151	23.43	24.50	1.279	0.193	/
	Full Power		Top Edge	15	20525	836.5	25	LOW	-0.03	0.307	23.43	24.50	1.279	0.393	/

Note: Refer to ANNEX C for the detailed test data for each test configuration.

11.9 LTE Band 7 (20MHz Bandwidth)

Antenna	Power Reduction	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 power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head															
Ant.0	DSI1	QPSK	Left Cheek	0	21100	2535	1	MID	-0.05	0.155	18.13	19.50	1.371	0.212	/
	DSI1		Left Tilt	0	21100	2535	1	MID	0.08	0.117	18.13	19.50	1.371	0.160	/
	DSI1		Right Cheek	0	21100	2535	1	MID	-0.02	0.538	18.13	19.50	1.371	**0.738**	17#
	DSI1		Right Tilt	0	21100	2535	1	MID	0.16	0.506	18.13	19.50	1.371	0.694	/
	DSI1		Left Cheek	0	21100	2535	50	MID	0.14	0.141	18.01	19.50	1.409	0.199	/
	DSI1		Left Tilt	0	21100	2535	50	MID	-0.05	0.106	18.01	19.50	1.409	0.149	/
	DSI1		Right Cheek	0	21100	2535	50	MID	0.06	0.522	18.01	19.50	1.409	0.736	/
	DSI1		Right Tilt	0	21100	2535	50	MID	0.17	0.489	18.01	19.50	1.409	0.689	/
Body															
Ant.0	DSI3	QPSK	Front Side	0	21100	2535	1	MID	0.07	0.221	10.15	11.50	1.365	0.302	/
	DSI3		Back Side	0	21100	2535	1	MID	-0.12	0.577	10.15	11.50	1.365	**0.787**	18#
	DSI3		Left Edge	0	21100	2535	1	MID	-0.17	0.274	10.15	11.50	1.365	0.374	/
	DSI3		Top Edge	0	21100	2535	1	MID	0.06	0.254	10.15	11.50	1.365	0.347	/
	DSI3		Front Side	0	21100	2535	50	MID	-0.12	0.208	9.92	11.50	1.439	0.299	/
	DSI3		Back Side	0	21100	2535	50	MID	0.03	0.541	9.92	11.50	1.439	0.778	/
	DSI3		Left Edge	0	21100	2535	50	MID	-0.11	0.273	9.92	11.50	1.439	0.393	/
	DSI3		Top Edge	0	21100	2535	50	MID	-0.10	0.256	9.92	11.50	1.439	0.368	/
Body(n-1)															
Ant.0	Full Power	QPSK	Front Side	15	21100	2535	1	MID	-0.18	0.313	24.51	25.50	1.256	0.393	/
	Full Power		Back Side	17	21100	2535	1	MID	0.08	0.477	24.51	25.50	1.256	0.599	/
	Full Power		Left Edge	15	21100	2535	1	MID	0.13	0.397	24.51	25.50	1.256	0.499	/
	Full Power		Top Edge	15	21100	2535	1	MID	-0.09	0.597	24.51	25.50	1.256	**0.750**	/
	Full Power		Front Side	15	21100	2535	50	MID	0.13	0.260	23.43	24.50	1.279	0.333	/
	Full Power		Back Side	17	21100	2535	50	MID	0.10	0.377	23.43	24.50	1.279	0.482	/
	Full Power		Left Edge	15	21100	2535	50	MID	0.13	0.389	23.43	24.50	1.279	0.498	/
	Full Power		Top Edge	15	21350	2680	50	MID	0.01	0.468	23.43	24.50	1.279	0.599	/

Note: Refer to ANNEX C for the detailed test data for each test configuration.

11.10 LTE Band 13 (10MHz Bandwidth)

Antenna	Power Reduction	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 power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head															
Ant.0	DSI1	QPSK	Left Cheek	0	23230	782	1	MID	0.02	0.255	21.85	23.50	1.462	0.373	/
	DSI1		Left Tilt	0	23230	782	1	MID	0.01	0.247	21.85	23.50	1.462	0.361	/
	DSI1		Right Cheek	0	23230	782	1	MID	0.01	0.549	21.85	23.50	1.462	**0.803**	19#
	DSI1		Right Tilt	0	23230	782	1	MID	-0.13	0.512	21.85	23.50	1.462	0.749	/
	DSI1		Left Cheek	0	23230	782	25	MID	-0.14	0.247	21.74	23.50	1.500	0.370	/
	DSI1		Left Tilt	0	23230	782	25	MID	0.08	0.241	21.74	23.50	1.500	0.361	/
	DSI1		Right Cheek	0	23230	782	25	MID	0.01	0.513	21.74	23.50	1.500	0.769	/
	DSI1		Right Tilt	0	23230	782	25	MID	-0.09	0.506	21.74	23.50	1.500	0.759	/
Body															
Ant.0	DSI3	QPSK	Front Side	0	23230	782	1	MID	-0.12	0.486	18.79	20.50	1.483	0.721	/
	DSI3		Back Side	0	23230	782	1	MID	0.00	0.502	18.79	20.50	1.483	**0.744**	20#
	DSI3		Left Edge	0	23230	782	1	MID	0.09	0.445	18.79	20.50	1.483	0.660	/
	DSI3		Top Edge	0	23230	782	1	MID	0.11	0.471	18.79	20.50	1.483	0.698	/
	DSI3		Front Side	0	23230	782	25	HIGH	-0.11	0.488	18.76	20.50	1.493	0.728	/
	DSI3		Back Side	0	23230	782	25	HIGH	0.03	0.474	18.76	20.50	1.493	0.708	/
	DSI3		Left Edge	0	23230	782	25	HIGH	0.06	0.485	18.76	20.50	1.493	0.724	/
	DSI3		Top Edge	0	23230	782	25	HIGH	0.17	0.462	18.76	20.50	1.493	0.690	/
Body(n-1)															
Ant.0	Full Power	QPSK	Front Side	15	23230	782	1	MID	-0.14	0.197	23.92	25.50	1.439	0.283	/
	Full Power		Back Side	17	23230	782	1	MID	0.08	0.224	23.92	25.50	1.439	0.322	/
	Full Power		Left Edge	15	23230	782	1	MID	0.01	0.088	23.92	25.50	1.439	0.127	/
	Full Power		Top Edge	15	23230	782	1	MID	-0.15	0.248	23.92	25.50	1.439	**0.357**	/
	Full Power		Front Side	15	23230	782	25	MID	0.00	0.176	22.93	24.50	1.435	0.253	/
	Full Power		Back Side	17	23230	782	25	MID	0.05	0.189	22.93	24.50	1.435	0.271	/
	Full Power		Left Edge	15	23230	782	25	MID	-0.19	0.070	22.93	24.50	1.435	0.100	/
	Full Power		Top Edge	15	23230	782	25	MID	0.16	0.210	22.93	24.50	1.435	0.301	/

Note: Refer to ANNEX C for the detailed test data for each test configuration.

11.11 LTE Band 26 (15MHz Bandwidth)

Antenna	Power Reduction	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 power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head															
Ant.0	DSI1	QPSK	Left Cheek	0	26865	831.5	1	MID	-0.11	0.274	19.69	21.50	1.517	0.416	/
	DSI1		Left Tilt	0	26865	831.5	1	MID	-0.12	0.254	19.69	21.50	1.517	0.385	/
	DSI1		Right Cheek	0	26865	831.5	1	MID	-0.04	0.541	19.69	21.50	1.517	0.821	/
	DSI1		Right Tilt	0	26865	831.5	1	MID	0.15	0.474	19.69	21.50	1.517	0.719	/
	DSI1		Left Cheek	0	26865	831.5	36	MID	0.14	0.265	19.78	21.50	1.486	0.394	/
	DSI1		Left Tilt	0	26865	831.5	36	MID	-0.15	0.233	19.78	21.50	1.486	0.346	/
	DSI1		Right Cheek	0	26865	831.5	36	MID	0.09	0.521	19.78	21.50	1.486	0.774	/
	DSI1		Right Tilt	0	26865	831.5	36	MID	0.00	0.456	19.78	21.50	1.486	0.678	/
	DSI1		Right Cheek	0	26765	821.5	1	MID	0.16	0.533	19.65	21.50	1.531	0.816	/
	DSI1		Right Cheek	0	26965	841.5	1	MID	0.00	0.561	19.73	21.50	1.503	**0.843**	21#
	DSI1		Right Cheek	0	26765	821.5	36	MID	-0.06	0.512	19.73	21.50	1.503	0.770	/
	DSI1		Right Cheek	0	26965	841.5	36	MID	-0.01	0.494	19.76	21.50	1.493	0.737	/
	DSI1		Right Cheek	0	26865	841.5	72	LOW	-0.02	0.473	19.72	21.50	1.507	0.713	/
Body															
Ant.0	DSI3	QPSK	Front Side	0	26865	831.5	1	MID	0.01	0.488	17.73	19.50	1.503	**0.734**	22#
	DSI3		Back Side	0	26865	831.5	1	MID	-0.13	0.465	17.73	19.50	1.503	0.699	/
	DSI3		Left Edge	0	26865	831.5	1	MID	0.19	0.466	17.73	19.50	1.503	0.700	/
	DSI3		Top Edge	0	26865	831.5	1	MID	0.00	0.322	17.73	19.50	1.503	0.484	/
	DSI3		Front Side	0	26865	831.5	36	MID	-0.02	0.372	17.78	19.50	1.486	0.553	/
	DSI3		Back Side	0	26865	831.5	36	MID	-0.17	0.423	17.78	19.50	1.486	0.629	/
	DSI3		Left Edge	0	26865	831.5	36	MID	0.18	0.419	17.78	19.50	1.486	0.623	/
	DSI3		Top Edge	0	26865	831.5	36	MID	0.05	0.295	17.78	19.50	1.486	0.438	/
Body(n-1)															
Ant.0	Full Power	QPSK	Front Side	15	26865	831.5	1	LOW	0.04	0.337	24.26	25.50	1.330	0.448	/
	Full Power		Back Side	17	26865	831.5	1	LOW	-0.05	0.380	24.26	25.50	1.330	**0.506**	/
	Full Power		Left Edge	15	26865	831.5	1	LOW	-0.19	0.167	24.26	25.50	1.330	0.222	/
	Full Power		Top Edge	15	26865	831.5	1	LOW	0.08	0.346	24.26	25.50	1.330	0.460	/
	Full Power		Front Side	15	26865	831.5	36	LOW	-0.07	0.278	23.46	24.50	1.271	0.353	/
	Full Power		Back Side	17	26865	831.5	36	LOW	0.00	0.321	23.46	24.50	1.271	0.408	/
	Full Power		Left Edge	15	26865	831.5	36	LOW	0.11	0.137	23.46	24.50	1.271	0.174	/
	Full Power		Top Edge	15	26865	831.5	36	LOW	-0.12	0.300	23.46	24.50	1.271	0.381	/

Note: Refer to ANNEX C for the detailed test data for each test configuration.

11.12 LTE Band 66 (20MHz Bandwidth)

Antenna	Power Reduction	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 power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head															
Ant.0	DSI1	QPSK	Left Cheek	0	132322	1745	1	MID	-0.07	0.165	16.79	18.00	1.321	0.218	/
	DSI1		Left Tilt	0	132322	1745	1	MID	-0.10	0.147	16.79	18.00	1.321	0.194	/
	DSI1		Right Cheek	0	132322	1745	1	MID	-0.01	0.556	16.79	18.00	1.321	**0.735**	23#
	DSI1		Right Tilt	0	132322	1745	1	MID	-0.15	0.432	16.79	18.00	1.321	0.571	/
	DSI1		Left Cheek	0	132322	1745	50	MID	0.13	0.188	16.69	18.00	1.352	0.254	/
	DSI1		Left Tilt	0	132322	1745	50	MID	0.11	0.163	16.69	18.00	1.352	0.220	/
	DSI1		Right Cheek	0	132322	1745	50	MID	-0.01	0.523	16.69	18.00	1.352	0.707	/
	DSI1		Right Tilt	0	132322	1745	50	MID	-0.14	0.474	16.69	18.00	1.352	0.641	/
Body															
Ant.0	DSI3	QPSK	Front Side	0	132322	1745	1	MID	-0.14	0.445	12.39	13.50	1.291	0.575	/
	DSI3		Back Side	0	132322	1745	1	MID	0.19	0.623	12.39	13.50	1.291	0.804	/
	DSI3		Left Edge	0	132322	1745	1	MID	0.08	0.123	12.39	13.50	1.291	0.159	/
	DSI3		Top Edge	0	132322	1745	1	MID	-0.16	0.565	12.39	13.50	1.291	0.730	/
	DSI3		Front Side	0	132322	1745	50	MID	-0.05	0.422	12.25	13.50	1.334	0.563	/
	DSI3		Back Side	0	132322	1745	50	MID	0.04	0.632	12.25	13.50	1.334	0.843	/
	DSI3		Left Edge	0	132322	1745	50	MID	0.07	0.144	12.25	13.50	1.334	0.192	/
	DSI3		Top Edge	0	132322	1745	50	MID	0.05	0.447	12.25	13.50	1.334	0.596	/
	DSI3		Back Side	0	132072	1720	1	MID	-0.06	0.602	12.35	13.50	1.303	0.785	/
	DSI3		Back Side	0	132572	1770	1	MID	0.00	0.643	12.20	13.50	1.349	**0.867**	24#
	DSI3		Back Side	0	132072	1720	50	MID	-0.03	0.622	12.23	13.50	1.340	0.833	/
	DSI3		Back Side	0	132572	1770	50	MID	0.02	0.616	12.15	13.50	1.365	0.841	/
	DSI3		Back Side	0	132572	1770	100	LOW	-0.18	0.588	12.24	13.50	1.337	0.786	/
Body(n-1)															
Ant.0	Full Power	QPSK	Front Side	15	132322	1745	1	MID	0.05	0.402	24.69	25.50	1.205	0.484	/
	Full Power		Back Side	17	132322	1745	1	MID	0.02	0.578	24.69	25.50	1.205	**0.697**	/
	Full Power		Left Edge	15	132322	1745	1	MID	0.06	0.242	24.69	25.50	1.205	0.292	/
	Full Power		Top Edge	15	132322	1745	1	MID	0.00	0.326	24.69	25.50	1.205	0.393	/
	Full Power		Front Side	15	132322	1745	50	LOW	-0.17	0.334	23.56	24.50	1.242	0.415	/
	Full Power		Back Side	17	132322	1745	50	LOW	0.12	0.462	23.56	24.50	1.242	0.574	/
	Full Power		Left Edge	15	132322	1745	50	LOW	0.17	0.158	23.56	24.50	1.242	0.196	/
	Full Power		Top Edge	15	132322	1745	50	LOW	0.08	0.266	23.56	24.50	1.242	0.330	/

Note: Refer to ANNEX C for the detailed test data for each test configuration.

11.13 LTE Band 38 (20MHz Bandwidth)

Antenna	Power Reduction	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 power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head															
Ant.0	DSI1	QPSK	Left Cheek	0	38000	2595	1	MID	0.18	0.165	20.54	22.00	1.400	0.231	/
	DSI1		Left Tilt	0	38000	2595	1	MID	0.18	0.112	20.54	22.00	1.400	0.157	/
	DSI1		Right Cheek	0	38000	2595	1	MID	0.01	0.502	20.54	22.00	1.400	**0.703**	25#
	DSI1		Right Tilt	0	38000	2595	1	MID	0.03	0.465	20.54	22.00	1.400	0.651	/
	DSI1		Left Cheek	0	38000	2595	50	MID	-0.19	0.154	20.48	22.00	1.419	0.219	/
	DSI1		Left Tilt	0	38000	2595	50	MID	0.05	0.121	20.48	22.00	1.419	0.172	/
	DSI1		Right Cheek	0	38000	2595	50	MID	-0.11	0.476	20.48	22.00	1.419	0.675	/
	DSI1		Right Tilt	0	38000	2595	50	MID	-0.04	0.462	20.48	22.00	1.419	0.656	/
Body															
Ant.0	DSI3	QPSK	Front Side	0	38000	2595	1	MID	0.12	0.156	11.58	13.00	1.387	0.216	/
	DSI3		Back Side	0	38000	2595	1	MID	-0.01	0.476	11.58	13.00	1.387	**0.660**	26#
	DSI3		Left Edge	0	38000	2595	1	MID	-0.19	0.185	11.58	13.00	1.387	0.257	/
	DSI3		Top Edge	0	38000	2595	1	MID	0.13	0.177	11.58	13.00	1.387	0.245	/
	DSI3		Front Side	0	38000	2595	50	MID	0.17	0.156	11.48	13.00	1.419	0.221	/
	DSI3		Back Side	0	38000	2595	50	MID	-0.14	0.422	11.48	13.00	1.419	0.599	/
	DSI3		Left Edge	0	38000	2595	50	MID	0.06	0.153	11.48	13.00	1.419	0.217	/
	DSI3		Top Edge	0	38000	2595	50	MID	-0.11	0.223	11.48	13.00	1.419	0.316	/
Body(n-1)															
Ant.0	Full Power	QPSK	Front Side	15	38150	2610	1	MID	-0.04	0.195	24.23	25.50	1.340	0.261	/
	Full Power		Back Side	17	38150	2610	1	MID	0.07	0.287	24.23	25.50	1.340	0.384	/
	Full Power		Left Edge	15	38150	2610	1	MID	0.13	0.280	24.23	25.50	1.340	0.375	/
	Full Power		Top Edge	15	38150	2610	1	MID	0.04	0.353	24.23	25.50	1.340	**0.473**	/
	Full Power		Front Side	15	38150	2610	50	MID	0.00	0.164	23.26	24.50	1.330	0.218	/
	Full Power		Back Side	17	38150	2610	50	MID	0.06	0.242	23.26	24.50	1.330	0.322	/
	Full Power		Left Edge	15	38150	2610	50	MID	0.13	0.266	23.26	24.50	1.330	0.354	/
	Full Power		Top Edge	15	38150	2610	50	MID	0.05	0.299	23.26	24.50	1.330	0.398	/

Note: Refer to ANNEX C for the detailed test data for each test configuration.

11.14 LTE Band 41 (20MHz Bandwidth)

Antenna	Power Reduction	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 power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head															
Ant.0	DSI1	QPSK	Left Cheek	0	40620	2593	1	MID	-0.17	0.123	20.12	21.50	1.374	0.169	/
	DSI1		Left Tilt	0	40620	2593	1	MID	-0.02	0.085	20.12	21.50	1.374	0.117	/
	DSI1		Right Cheek	0	40620	2593	1	MID	0.01	0.428	20.12	21.50	1.374	**0.588**	27#
	DSI1		Right Tilt	0	40620	2593	1	MID	-0.08	0.411	20.12	21.50	1.374	0.565	/
	DSI1		Left Cheek	0	40620	2593	50	MID	0.12	0.116	20.07	21.50	1.390	0.161	/
	DSI1		Left Tilt	0	40620	2593	50	MID	-0.11	0.081	20.07	21.50	1.390	0.113	/
	DSI1		Right Cheek	0	40620	2593	50	MID	0.02	0.416	20.07	21.50	1.390	0.578	/
	DSI1		Right Tilt	0	40620	2593	50	MID	-0.11	0.406	20.07	21.50	1.390	0.564	/
Body															
Ant.0	DSI3	QPSK	Front Side	0	40620	2593	1	MID	0.04	0.223	11.09	12.50	1.384	0.309	/
	DSI3		Back Side	0	40620	2593	1	MID	-0.03	0.592	11.09	12.50	1.384	**0.819**	28#
	DSI3		Left Edge	0	40620	2593	1	MID	-0.04	0.574	11.09	12.50	1.384	0.794	/
	DSI3		Top Edge	0	40620	2593	1	MID	0.12	0.232	11.09	12.50	1.384	0.321	/
	DSI3		Front Side	0	40620	2593	50	MID	0.19	0.188	11.10	12.50	1.380	0.260	/
	DSI3		Back Side	0	40620	2593	50	MID	-0.19	0.566	11.10	12.50	1.380	0.781	/
	DSI3		Left Edge	0	40620	2593	50	MID	0.11	0.288	11.10	12.50	1.380	0.398	/
	DSI3		Top Edge	0	40620	2593	50	MID	-0.04	0.254	11.10	12.50	1.380	0.351	/
	DSI3		Back Side	0	39750	2506	1	MID	-0.09	0.523	10.90	12.50	1.445	0.756	/
	DSI3		Back Side	0	41490	2680	1	MID	-0.16	0.533	11.17	12.50	1.358	0.724	/
	DSI3		Back Side	0	40185	2549	1	MID	0.05	0.512	10.88	12.50	1.452	0.743	/
	DSI3		Back Side	0	41055	2636.5	1	MID	0.16	0.524	10.91	12.50	1.442	0.756	/
Body(n-1)															
Ant.0	Full Power	QPSK	Front Side	15	41490	2680	1	MID	-0.15	0.188	24.52	25.50	1.253	0.236	/
	Full Power		Back Side	17	41490	2680	1	MID	0.04	0.259	24.52	25.50	1.253	0.325	/
	Full Power		Left Edge	15	41490	2680	1	MID	-0.06	0.280	24.52	25.50	1.253	0.351	/
	Full Power		Top Edge	15	41490	2680	1	MID	0.01	0.350	24.52	25.50	1.253	**0.439**	/
	Full Power		Front Side	15	41055	2636.5	1	MID	0.08	0.158	23.32	24.50	1.312	0.207	/
	Full Power		Back Side	17	41055	2636.5	1	MID	-0.12	0.214	23.32	24.50	1.312	0.281	/
	Full Power		Left Edge	15	41055	2636.5	1	MID	0.04	0.249	23.32	24.50	1.312	0.327	/
	Full Power		Top Edge	15	41055	2636.5	1	MID	0.17	0.295	23.32	24.50	1.312	0.387	/

Note: Refer to ANNEX C for the detailed test data for each test configuration.

11.15 WIFI 2.4GHz

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1 g Meas SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head															
Ant.2	DSI1	802.11 b	Left Cheek	0	6	2437	0.02	0.246	99.70	1.003	14.10	15.50	1.380	0.341	/
	DSI1		Left Tilt	0	6	2437	0.14	0.234	99.70	1.003	14.10	15.50	1.380	0.324	/
	DSI1		Right Cheek	0	6	2437	0.13	0.110	99.70	1.003	14.10	15.50	1.380	0.152	/
	DSI1		Right Tilt	0	6	2437	-0.05	0.043	99.70	1.003	14.10	15.50	1.380	0.060	/
Ant.2	DSI1	802.11 g	Left Cheek	0	6	2437	0.16	0.248	99.70	1.003	15.60	17.50	1.549	0.385	/
	DSI1		Left Tilt	0	6	2437	-0.01	0.330	99.70	1.003	15.60	17.50	1.549	**0.513**	29#
	DSI1		Right Cheek	0	6	2437	0.07	0.198	99.70	1.003	15.60	17.50	1.549	0.308	/
	DSI1		Right Tilt	0	6	2437	-0.12	0.078	99.70	1.003	15.60	17.50	1.549	0.121	/
Body															
Ant.2	DSI3	802.11 b	Front Side	0	6	2437	0.19	0.522	99.70	1.003	11.89	13.50	1.449	0.759	/
	DSI3		Back Side	0	6	2437	0.03	0.705	99.70	1.003	11.89	13.50	1.449	**1.024**	30#
	DSI3		Right Edge	0	6	2437	0.04	0.416	99.70	1.003	11.89	13.50	1.449	0.605	/
	DSI3		Top Edge	0	6	2437	0.13	0.213	99.70	1.003	11.89	13.50	1.449	0.310	/
	DSI3		Back Side	0	1	2412	0.03	0.665	99.70	1.003	11.72	13.50	1.507	1.005	/
	DSI3		Back Side	0	11	2462	-0.12	0.623	99.70	1.003	11.65	13.50	1.531	0.957	/
Body(n-1)															
Ant.2	Full Power	802.11 b	Front Side	15	6	2437	-0.16	0.067	99.70	1.003	14.10	15.50	1.380	0.093	/
	Full Power		Back Side	15	6	2437	0.11	0.071	99.70	1.003	14.10	15.50	1.380	0.098	/
	Full Power		Right Edge	10	6	2437	0.07	0.092	99.70	1.003	14.10	15.50	1.380	0.127	/
	Full Power		Top Edge	15	6	2437	0.07	0.045	99.70	1.003	14.10	15.50	1.380	0.062	/
Ant.2	Full Power	802.11 g	Front Side	15	6	2437	0.16	0.097	99.70	1.003	15.60	17.50	1.549	0.151	/
	Full Power		Back Side	15	6	2437	0.17	0.105	99.70	1.003	15.60	17.50	1.549	0.163	/
	Full Power		Right Edge	10	6	2437	-0.15	0.135	99.70	1.003	15.60	17.50	1.549	**0.210**	/
	Full Power		Top Edge	15	6	2437	0.15	0.074	99.70	1.003	15.60	17.50	1.549	0.115	/

Note: Refer to ANNEX C for the detailed test data for each test configuration.

11.16 WIFI 5GHz

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1 g Meas SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head															
Ant.2	DSI1	5.2G 802.11n20	Left Cheek	0	40	5200	-0.01	0.131	90.90	1.100	16.30	18.00	1.479	0.213	/
	DSI1		Left Tilt	0	40	5200	0.04	0.135	90.90	1.100	16.30	18.00	1.479	0.220	/
	DSI1		Right Cheek	0	40	5200	-0.04	0.067	90.90	1.100	16.30	18.00	1.479	0.109	/
	DSI1		Right Tilt	0	40	5200	0.15	0.049	90.90	1.100	16.30	18.00	1.479	0.080	/
	DSI1		Left Tilt	0	36	5180	-0.05	0.149	90.90	1.100	16.20	18.00	1.514	**0.248**	31#
	DSI1		Left Tilt	0	48	5240	0.09	0.135	90.90	1.100	16.10	18.00	1.549	0.230	/
Ant.2	DSI1	5.6G 802.11a	Left Cheek	0	116	5580	0.06	0.233	90.90	1.100	16.47	18.00	1.422	0.365	/
	DSI1		Left Tilt	0	116	5580	0.01	0.335	90.90	1.100	16.47	18.00	1.422	**0.524**	32#
	DSI1		Right Cheek	0	116	5580	0.09	0.094	90.90	1.100	16.47	18.00	1.422	0.147	/
	DSI1		Right Tilt	0	116	5580	0.13	0.116	90.90	1.100	16.47	18.00	1.422	0.182	/
	DSI1		Left Tilt	0	100	5500	0.02	0.212	90.90	1.100	13.50	15.50	1.585	0.370	/
	DSI1		Left Tilt	0	140	5700	-0.07	0.264	90.90	1.100	13.30	15.00	1.479	0.430	/
Ant.2	DSI1	5.8G 802.11ac80	Left Cheek	0	155	5775	0.05	0.121	87.70	1.140	10.70	12.50	1.514	0.209	/
	DSI1		Left Tilt	0	155	5775	0.03	0.147	87.70	1.140	10.70	12.50	1.514	**0.254**	33#
	DSI1		Right Cheek	0	155	5775	-0.06	0.108	87.70	1.140	10.70	12.50	1.514	0.186	/
	DSI1		Right Tilt	0	155	5775	-0.01	0.117	87.70	1.140	10.70	12.50	1.514	0.202	/
Body															
Ant.2	DSI3	5.3G 802.11ac80	Front Side	0	58	5290	-0.04	0.106	87.70	1.140	8.74	10.00	1.337	0.162	/
	DSI3		Back Side	0	58	5290	0.03	0.479	87.70	1.140	8.74	10.00	1.337	**0.730**	34#
	DSI3		Right Edge	0	58	5290	0.07	0.049	87.70	1.140	8.74	10.00	1.337	0.075	/
	DSI3		Top Edge	0	58	5290	-0.08	0.209	87.70	1.140	8.74	10.00	1.337	0.319	/
Ant.2	DSI3	5.6G 802.11ac80	Front Side	0	106	5530	0.08	0.204	87.70	1.140	8.53	10.00	1.403	0.326	/
	DSI3		Back Side	0	106	5530	0.09	0.521	87.70	1.140	8.53	10.00	1.403	**0.833**	35#
	DSI3		Right Edge	0	106	5530	0.12	0.105	87.70	1.140	8.53	10.00	1.403	0.168	/
	DSI3		Top Edge	0	106	5530	-0.15	0.164	87.70	1.140	8.53	10.00	1.403	0.262	/
	DSI3		Back Side	0	122	5610	-0.02	0.501	87.70	1.140	8.43	10.00	1.435	0.820	/
Ant.2	DSI3	5.8G 802.11ac80	Front Side	0	155	5775	-0.18	0.137	87.70	1.140	8.98	10.50	1.419	0.222	/
	DSI3		Back Side	0	155	5775	0.11	0.514	87.70	1.140	8.98	10.50	1.419	**0.832**	36#
	DSI3		Right Edge	0	155	5775	-0.02	0.134	87.70	1.140	8.98	10.50	1.419	0.217	/
	DSI3		Top Edge	0	155	5775	0.05	0.175	87.70	1.140	8.98	10.50	1.419	0.283	/
Body(n-1)															
Ant.2	Full Power	5.2G 802.11n20	Front Side	15	40	5200	-0.18	0.044	90.90	1.100	16.30	18.00	1.479	0.072	/
	Full Power		Back Side	15	40	5200	-0.15	0.163	90.90	1.100	16.30	18.00	1.479	0.265	/
	Full Power		Right Edge	10	40	5200	-0.19	0.138	90.90	1.100	16.30	18.00	1.479	0.225	/
	Full Power		Top Edge	15	40	5200	-0.03	0.120	90.90	1.100	16.30	18.00	1.479	0.195	/
	Full Power		Back Side	15	36	5180	0.10	0.167	90.90	1.100	16.20	18.00	1.514	**0.278**	/

	Full Power		Back Side	15	48	5240	0.13	0.157	90.90	1.100	16.10	18.00	1.549	0.268	/
Ant.2	Full Power	5.6G 802.11a	Front Side	15	116	5580	0.11	0.076	90.90	1.100	16.47	18.00	1.422	0.119	/
	Full Power		Back Side	15	116	5580	-0.15	0.205	90.90	1.100	16.47	18.00	1.422	**0.321**	/
	Full Power		Right Edge	10	116	5580	-0.04	0.165	90.90	1.100	16.47	18.00	1.422	0.258	/
	Full Power		Top Edge	15	116	5580	0.17	0.140	90.90	1.100	16.47	18.00	1.422	0.219	/
	Full Power		Back Side	15	100	5500	0.02	0.120	90.90	1.100	13.50	15.50	1.585	0.209	/
	Full Power		Back Side	15	140	5700	-0.16	0.121	90.90	1.100	13.30	15.00	1.479	0.197	/
Ant.2	Full Power	5.8G 802.11ac80	Front Side	15	155	5775	-0.16	0.000	87.70	1.140	10.70	12.50	1.514	0.000	/
	Full Power		Back Side	15	155	5775	0.13	0.062	87.70	1.140	10.70	12.50	1.514	**0.107**	/
	Full Power		Right Edge	10	155	5775	-0.05	0.052	87.70	1.140	10.70	12.50	1.514	0.090	/
	Full Power		Top Edge	15	155	5775	0.05	0.000	87.70	1.140	10.70	12.50	1.514	0.000	/

Note: Refer to ANNEX C for the detailed test data for each test configuration.

11.17 Bluetooth

Antenna	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1 g Meas SAR (W/kg)	Duty cycle Setting	Duty cycle Factor	Meas. Power (dBm)	Max. tune power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head														
Ant.2	Bluetooth	Left Cheek	0	39	2441	0.02	0.073	76.88	1.301	11.52	13.00	1.406	0.134	/
		Left Tilt	0	39	2441	-0.17	0.078	76.88	1.301	11.52	13.00	1.406	**0.143**	37#
		Right Cheek	0	39	2441	0.05	0.052	76.88	1.301	11.52	13.00	1.406	0.095	/
		Right Tilt	0	39	2441	0.11	0.012	76.88	1.301	11.52	13.00	1.406	0.022	/
Body														
Ant.2	Bluetooth	Front Side	0	39	2441	-0.05	0.208	76.88	1.301	11.52	13.00	1.406	0.380	/
		Back Side	0	39	2441	-0.03	0.370	76.88	1.301	11.52	13.00	1.406	**0.677**	38#
		Left Edge	0	39	2441	0.06	0.185	76.88	1.301	11.52	13.00	1.406	0.338	/
		Top Edge	0	39	2441	0.13	0.118	76.88	1.301	11.52	13.00	1.406	0.216	/
Body(n-1)														
Ant.2	Bluetooth	Front Side	15	39	2441	0.05	0.035	76.88	1.301	11.52	13.00	1.406	0.064	/
		Back Side	15	39	2441	0.06	0.061	76.88	1.301	11.52	13.00	1.406	**0.112**	/
		Right Edge	10	39	2441	-0.03	0.042	76.88	1.301	11.52	13.00	1.406	0.077	/
		Top Edge	15	39	2441	-0.15	0.022	76.88	1.301	11.52	13.00	1.406	0.040	/

Note: Refer to ANNEX C for the detailed test data for each test configuration.

11.18 Worst Case for different screen manufacturers of WCDMA Band 2

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head													
Ant.0	DSI1	RMC	Right Cheek	0	9538	1907.6	0.02	0.666	16.20	17.50	1.349	**0.898**	39#
Ant.0	DSI1	RMC	Right Cheek	0	9538	1907.6	0.01	0.646	16.20	17.50	1.349	**0.871**	41#
Note: Refer to ANNEX C for the detailed test data for each test configuration.													

11.19 Worst Case for different screen manufacturers of WCDMA Band 4

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Body													
Ant.0	DSI3	RMC	Back Side	0	1513	1752.6	-0.01	0.710	12.59	14.00	1.384	**0.982**	40#
Ant.0	DSI3	RMC	Back Side	0	1513	1752.6	-0.07	0.648	12.59	14.00	1.384	**0.897**	42#
Note: Refer to ANNEX C for the detailed test data for each test configuration.													

12 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.

Note: For 1g SAR, the highest measured 1g SAR is 0.754＜0.80 W/kg, repeated measurement is not required.

13 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).

13.1 Simultaneous Transmission Mode Consider

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

Note:
1. 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.
2. The maximum SAR summation is calculated based on the same configuration and test position.

13.2 Sum SAR of Simultaneous Transmission

13.2.1 Head Simultaneous Transmission SAR Evaluation for WWAN and WLAN

Band	Antenna	Position	Stand alone SAR				SUM SAR	
			1	2	3	4		
			WWAN	2.4GWIFI	MAX.5GWIFI	Bluetooth	1+2	1+3+4
GSM850	0	Left Cheek	0.285	0.385	0.365	0.134	0.670	0.784
	0	Left Tilt	0.323	0.513	0.524	0.143	0.836	0.990
	0	Right Cheek	0.693	0.308	0.186	0.095	1.001	0.974
	0	Right Tilt	0.544	0.121	0.202	0.022	0.665	0.768
GSM1900	0	Left Cheek	0.173	0.385	0.365	0.134	0.558	0.672
	0	Left Tilt	0.191	0.513	0.524	0.143	0.704	0.858
	0	Right Cheek	0.664	0.308	0.186	0.095	0.972	0.945
	0	Right Tilt	0.529	0.121	0.202	0.022	0.650	0.753
WCDMA B2	0	Left Cheek	0.205	0.385	0.365	0.134	0.590	0.704
	0	Left Tilt	0.231	0.513	0.524	0.143	0.744	0.898
	0	Right Cheek	0.916	0.308	0.186	0.095	**1.224**	1.197
	0	Right Tilt	0.789	0.121	0.202	0.022	0.910	1.013
WCDMA B4	0	Left Cheek	0.221	0.385	0.365	0.134	0.606	0.720
	0	Left Tilt	0.204	0.513	0.524	0.143	0.717	0.871
	0	Right Cheek	0.777	0.308	0.186	0.095	1.085	1.058
	0	Right Tilt	0.607	0.121	0.202	0.022	0.728	0.831
WCDMA B5	0	Left Cheek	0.410	0.385	0.365	0.134	0.795	0.909
	0	Left Tilt	0.397	0.513	0.524	0.143	0.910	1.064
	0	Right Cheek	0.883	0.308	0.186	0.095	1.191	1.164
	0	Right Tilt	0.765	0.121	0.202	0.022	0.886	0.989
LTE B2	0	Left Cheek	0.181	0.385	0.365	0.134	0.566	0.680
	0	Left Tilt	0.193	0.513	0.524	0.143	0.706	0.860
	0	Right Cheek	0.734	0.308	0.186	0.095	1.042	1.015
	0	Right Tilt	0.667	0.121	0.202	0.022	0.788	0.891
LTE B4	0	Left Cheek	0.198	0.385	0.365	0.134	0.583	0.697
	0	Left Tilt	0.173	0.513	0.524	0.143	0.686	0.840
	0	Right Cheek	0.731	0.308	0.186	0.095	1.039	1.012
	0	Right Tilt	0.534	0.121	0.202	0.022	0.655	0.758
LTE B5	0	Left Cheek	0.361	0.385	0.365	0.134	0.746	0.860
	0	Left Tilt	0.344	0.513	0.524	0.143	0.857	1.011
	0	Right Cheek	0.828	0.308	0.186	0.095	1.136	1.109
	0	Right Tilt	0.727	0.121	0.202	0.022	0.848	0.951
LTE B7	0	Left Cheek	0.212	0.385	0.365	0.134	0.597	0.711
	0	Left Tilt	0.160	0.513	0.524	0.143	0.673	0.827
	0	Right Cheek	0.738	0.308	0.186	0.095	1.046	1.019
	0	Right Tilt	0.694	0.121	0.202	0.022	0.815	0.918

LTE B13	0	Left Cheek	0.373	0.385	0.365	0.134	0.758	0.872
	0	Left Tilt	0.361	0.513	0.524	0.143	0.874	1.028
	0	Right Cheek	0.803	0.308	0.186	0.095	1.111	1.084
	0	Right Tilt	0.749	0.121	0.202	0.022	0.870	0.973
LTE B26	0	Left Cheek	0.416	0.385	0.365	0.134	0.801	0.915
	0	Left Tilt	0.385	0.513	0.524	0.143	0.898	1.052
	0	Right Cheek	0.843	0.308	0.186	0.095	1.151	1.124
	0	Right Tilt	0.719	0.121	0.202	0.022	0.840	0.943
LTE B66	0	Left Cheek	0.218	0.385	0.365	0.134	0.603	0.717
	0	Left Tilt	0.194	0.513	0.524	0.143	0.707	0.861
	0	Right Cheek	0.735	0.308	0.186	0.095	1.043	1.016
	0	Right Tilt	0.571	0.121	0.202	0.022	0.692	0.795
LTE B38	0	Left Cheek	0.231	0.385	0.365	0.134	0.616	0.730
	0	Left Tilt	0.157	0.513	0.524	0.143	0.670	0.824
	0	Right Cheek	0.703	0.308	0.186	0.095	1.011	0.984
	0	Right Tilt	0.651	0.121	0.202	0.022	0.772	0.875
LTE B41	0	Left Cheek	0.169	0.385	0.365	0.134	0.554	0.668
	0	Left Tilt	0.117	0.513	0.524	0.143	0.630	0.784
	0	Right Cheek	0.588	0.308	0.186	0.095	0.896	0.869
	0	Right Tilt	0.565	0.121	0.202	0.022	0.686	0.789

Note:

1: The simultaneous transmission combinations of the antennas 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 1.224 W/Kg < 1.60 W/kg, so Simultaneous Transmission SAR test is not required.

13.2.2 Body Simultaneous Transmission SAR Evaluation for WWAN and WLAN

Band	Antenna	Position	Stand alone SAR				SUM SAR		SPLSR	
			1	2	3	4				
			WWAN	2.4GWIFI	MAX.5GWIFI	Bluetooth	1+2	1+3+4	1+2	1+3+4
GSM850	0	Front Side 0mm	0.904	0.759	0.326	0.380	1.663	1.610	/	/
	0	Back Side 0mm	0.636	1.024	0.833	0.677	1.660	2.146	/	/
	0	Left Side 0mm	0.809	0.000	0.000	0.338	0.809	1.147	/	/
	0	Right Side 0mm	0.000	0.605	0.217	0.000	0.605	0.217	/	/
	0	Top Side 0mm	0.367	0.310	0.319	0.216	0.677	0.902	/	/
	0	Bottom Side 0mm	0.000	0.000	0.000	0.000	0.000	0.000	/	/
GSM1900	0	Front Side 0mm	0.822	0.759	0.326	0.380	1.581	1.528	/	/
	0	Back Side 0mm	0.875	1.024	0.833	0.677	1.899	2.385	/	/
	0	Left Side 0mm	0.162	0.000	0.000	0.338	0.162	0.500	/	/
	0	Right Side 0mm	0.000	0.605	0.217	0.000	0.605	0.217	/	/
	0	Top Side 0mm	0.685	0.310	0.319	0.216	0.995	1.220	/	/
	0	Bottom Side 0mm	0.000	0.000	0.000	0.000	0.000	0.000	/	/
WCDMA B2	0	Front Side 0mm	0.501	0.759	0.326	0.380	1.260	1.207	/	/
	0	Back Side 0mm	0.707	1.024	0.833	0.677	1.731	2.217	/	/
	0	Left Side 0mm	0.096	0.000	0.000	0.338	0.096	0.434	/	/
	0	Right Side 0mm	0.000	0.605	0.217	0.000	0.605	0.217	/	/
	0	Top Side 0mm	0.624	0.310	0.319	0.216	0.934	1.159	/	/
	0	Bottom Side 0mm	0.000	0.000	0.000	0.000	0.000	0.000	/	/
WCDMA B4	0	Front Side 0mm	0.580	0.759	0.326	0.380	1.339	1.286	/	/
	0	Back Side 0mm	1.043	1.024	0.833	0.677	2.067	**2.553**	0.03[1#]	**0.04**[2#]
	0	Left Side 0mm	0.154	0.000	0.000	0.338	0.154	0.492	/	/
	0	Right Side 0mm	0.000	0.605	0.217	0.000	0.605	0.217	/	/
	0	Top Side 0mm	0.650	0.310	0.319	0.216	0.960	1.185	/	/
	0	Bottom Side 0mm	0.000	0.000	0.000	0.000	0.000	0.000	/	/
WCDMA B5	0	Front Side 0mm	0.849	0.759	0.326	0.380	1.608	1.555	/	/
	0	Back Side 0mm	0.486	1.024	0.833	0.677	1.510	1.996	/	/
	0	Left Side 0mm	0.770	0.000	0.000	0.338	0.770	1.108	/	/
	0	Right Side 0mm	0.000	0.605	0.217	0.000	0.605	0.217	/	/
	0	Top Side 0mm	0.499	0.310	0.319	0.216	0.809	1.034	/	/
	0	Bottom Side 0mm	0.000	0.000	0.000	0.000	0.000	0.000	/	/
LTE B2	0	Front Side 0mm	0.546	0.759	0.326	0.380	1.305	1.252	/	/
	0	Back Side 0mm	0.967	1.024	0.833	0.677	1.991	2.477	/	/
	0	Left Side 0mm	0.100	0.000	0.000	0.338	0.100	0.438	/	/
	0	Right Side 0mm	0.000	0.605	0.217	0.000	0.605	0.217	/	/
	0	Top Side 0mm	0.617	0.310	0.319	0.216	0.927	1.152	/	/
	0	Bottom Side 0mm	0.000	0.000	0.000	0.000	0.000	0.000	/	/
LTE B4	0	Front Side 0mm	0.444	0.759	0.326	0.380	1.203	1.150	/	/

	0	Back Side 0mm	0.685	1.024	0.833	0.677	1.709	2.195	/	/
	0	Left Side 0mm	0.104	0.000	0.000	0.338	0.104	0.442	/	/
	0	Right Side 0mm	0.000	0.605	0.217	0.000	0.605	0.217	/	/
	0	Top Side 0mm	0.414	0.310	0.319	0.216	0.724	0.949	/	/
	0	Bottom Side 0mm	0.000	0.000	0.000	0.000	0.000	0.000	/	/
LTE B5	0	Front Side 0mm	0.956	0.759	0.326	0.380	1.715	1.662	/	/
	0	Back Side 0mm	0.715	1.024	0.833	0.677	1.739	2.225	/	/
	0	Left Side 0mm	0.887	0.000	0.000	0.338	0.887	1.225	/	/
	0	Right Side 0mm	0.000	0.605	0.217	0.000	0.605	0.217	/	/
	0	Top Side 0mm	0.511	0.310	0.319	0.216	0.821	1.046	/	/
	0	Bottom Side 0mm	0.000	0.000	0.000	0.000	0.000	0.000	/	/
LTE B7	0	Front Side 0mm	0.302	0.759	0.326	0.380	1.061	1.008	/	/
	0	Back Side 0mm	0.787	1.024	0.833	0.677	1.811	2.297	/	/
	0	Left Side 0mm	0.374	0.000	0.000	0.338	0.374	0.712	/	/
	0	Right Side 0mm	0.000	0.605	0.217	0.000	0.605	0.217	/	/
	0	Top Side 0mm	0.347	0.310	0.319	0.216	0.657	0.882	/	/
	0	Bottom Side 0mm	0.000	0.000	0.000	0.000	0.000	0.000	/	/
LTE B13	0	Front Side 0mm	0.721	0.759	0.326	0.380	1.480	1.427	/	/
	0	Back Side 0mm	0.744	1.024	0.833	0.677	1.768	2.254	/	/
	0	Left Side 0mm	0.660	0.000	0.000	0.338	0.660	0.998	/	/
	0	Right Side 0mm	0.000	0.605	0.217	0.000	0.605	0.217	/	/
	0	Top Side 0mm	0.698	0.310	0.319	0.216	1.008	1.233	/	/
	0	Bottom Side 0mm	0.000	0.000	0.000	0.000	0.000	0.000	/	/
LTE B26	0	Front Side 0mm	0.734	0.759	0.326	0.380	1.493	1.440	/	/
	0	Back Side 0mm	0.699	1.024	0.833	0.677	1.723	2.209	/	/
	0	Left Side 0mm	0.700	0.000	0.000	0.338	0.700	1.038	/	/
	0	Right Side 0mm	0.000	0.605	0.217	0.000	0.605	0.217	/	/
	0	Top Side 0mm	0.484	0.310	0.319	0.216	0.794	1.019	/	/
	0	Bottom Side 0mm	0.000	0.000	0.000	0.000	0.000	0.000	/	/
LTE B66	0	Front Side 0mm	0.575	0.759	0.326	0.380	1.334	1.281	/	/
	0	Back Side 0mm	0.867	1.024	0.833	0.677	1.891	2.377	/	/
	0	Left Side 0mm	0.159	0.000	0.000	0.338	0.159	0.497	/	/
	0	Right Side 0mm	0.000	0.605	0.217	0.000	0.605	0.217	/	/
	0	Top Side 0mm	0.730	0.310	0.319	0.216	1.040	1.265	/	/
	0	Bottom Side 0mm	0.000	0.000	0.000	0.000	0.000	0.000	/	/
LTE B38	0	Front Side 0mm	0.216	0.759	0.326	0.380	0.975	0.922	/	/
	0	Back Side 0mm	0.660	1.024	0.833	0.677	1.684	2.170	/	/
	0	Left Side 0mm	0.257	0.000	0.000	0.338	0.257	0.595	/	/
	0	Right Side 0mm	0.000	0.605	0.217	0.000	0.605	0.217	/	/
	0	Top Side 0mm	0.245	0.310	0.319	0.216	0.555	0.780	/	/
	0	Bottom Side 0mm	0.000	0.000	0.000	0.000	0.000	0.000	/	/
LTE B41	0	Front Side 0mm	0.309	0.759	0.326	0.380	1.068	1.015	/	/
	0	Back Side 0mm	0.819	1.024	0.833	0.677	1.843	2.329	/	/

	0	Left Side 0mm	0.794	0.000	0.000	0.338	0.794	1.132	/	/
	0	Right Side 0mm	0.000	0.605	0.217	0.000	0.605	0.217	/	/
	0	Top Side 0mm	0.321	0.310	0.319	0.216	0.631	0.856	/	/
	0	Bottom Side 0mm	0.000	0.000	0.000	0.000	0.000	0.000	/	/

Note:

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

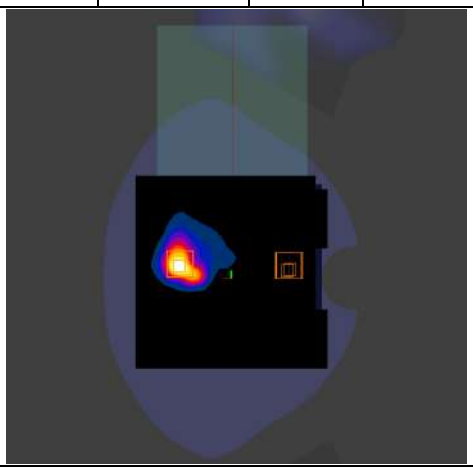
2:The highest Summed 1g SAR is 2.553W/Kg > 1.6 W/kg, so Simultaneous Transmission SAR test exclusion is determined by the SAR to peak location separation ratio.

3: The SPLSR is ≤ 0.04 , so Simultaneous Transmission SAR test is not required.

4：The Table WWAN antenna is located on the same antenna position, so WWAN+WIFI2.4/WIFI5G+BT considers a worst value for SPLSR calculation.

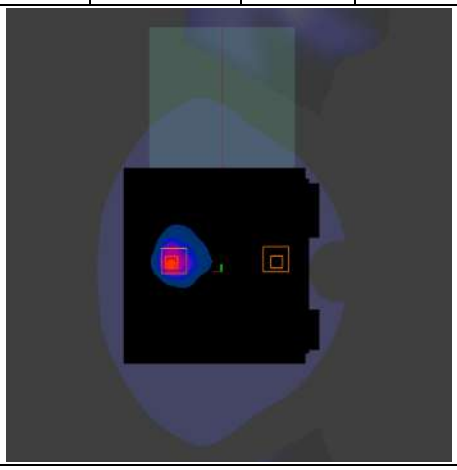
SPLSR Analysis 1#

Case 1 Plot No	Band	Position	Reported 1g Max. SAR (W/kg)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
				X	Y	Z				
1	WCDMA B4 Ant.0	Back Side	1.043	-6.85E-02	0.006502	-0.20558	91.5	2.07	0.03	No
2	WLAN2.4G Ant.2		1.024	2.30E-02	0.006196	-0.205555				



SPLSR Analysis 2#

Case 2 Plot No	Band	Position	Reported 1g Max. SAR (W/kg)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
				X	Y	Z				
1	WCDMA B4 Ant.0	Back Side	1.043	-6.85E-02	0.006502	-0.20558	92.6	2.55	0.04	No
2	WLAN2.4G Ant.2		1.510	2.40E-02	0.002002	-0.205565				



14 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: 4d277	2021/09/09	2024/09/09
1750MHz Validation Dipole	Speag	D1750V2	SN: 1183	2021/07/06	2024/07/06
1950MHz Validation Dipole	Speag	D1950V2	SN: 1240	2021/09/13	2024/09/13
2450MHz Validation Dipole	Speag	D2450V2	SN: 1062	2021/07/06	2024/07/06
2600MHz Validation Dipole	Speag	D2600V2	SN: 1184	2021/07/05	2024/07/05
5GHz Validation Dipole	Speag	D5GHzV2	SN: 1333	2021/09/14	2024/09/14
E-Field Probe	Speag	EX3DV4	SN: 7607	2023/07/04	2024/07/04
Data Acquisition Electronicsr	Speag	DAE4	SN: 1710	2024/01/03	2025/01/03
Signal Generator	R&S	SMB100A	177746	2024/04/24	2025/04/24
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	R&S	CMW500	104946	2023/09/01	2024/09/01
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 (%)
2024.05.09	Head	835	21.7	0.89	41.22	0.90	41.50	-1.11	-0.67
2024.05.11	Head	835	21.4	0.87	42.73	0.90	41.50	-3.33	2.96
2024.05.10	Head	835	21.7	0.92	41.89	0.90	41.50	2.22	0.94
2024.05.16	Head	1950	21.5	1.43	38.89	1.40	40.00	2.14	-2.78
2024.05.14	Head	1750	21.9	1.37	40.48	1.37	40.08	0.00	1.00
2024.05.18	Head	2450	21.1	1.83	39.40	1.80	39.20	1.67	0.51
2024.05.19	Head	2600	21.4	1.93	39.38	1.96	39.01	-1.53	0.95
2024.05.21	Head	5200	21.7	4.65	36.76	4.66	35.99	-0.21	2.14
2024.05.21	Head	5300	21.7	4.80	36.59	4.76	35.87	0.84	2.01
2024.05.23	Head	5500	21.3	4.98	35.57	4.96	35.64	0.40	-0.20
2024.05.23	Head	5600	21.3	5.14	35.89	5.07	35.53	1.38	1.01
2024.05.23	Head	5800	21.3	5.13	35.86	5.27	35.30	-2.66	1.59
2024.05.08	Head	750	21.6	0.89	42.05	0.89	41.94	0.00	0.26
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 (%)
2024.05.09	Head	835	100	0.94	9.36	9.72	-3.70
2024.05.11	Head	835	100	0.94	9.42	9.72	-3.09
2024.05.10	Head	835	100	0.96	9.58	9.72	-1.44
2024.05.16	Head	1950	100	4.15	41.50	41.40	0.24
2024.05.14	Head	1750	100	3.64	36.40	36.50	-0.27
2024.05.18	Head	2450	100	5.35	53.50	54.20	-1.29
2024.05.19	Head	2600	100	5.76	57.60	57.20	0.70
2024.05.21	Head	5200	100	8.01	80.10	80.10	0.00
2024.05.21	Head	5300	100	8.10	81.00	81.80	-0.98
2024.05.23	Head	5500	100	8.35	83.50	86.50	-3.47
2024.05.23	Head	5600	100	8.15	81.50	83.60	-2.51
2024.05.23	Head	5800	100	8.06	80.60	82.30	-2.07
2024.05.08	Head	750	100	0.86	8.57	8.51	0.71
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, Test Distance [mm]	Band	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	0.889	42.0	22.7	21.6

Hardware Setup

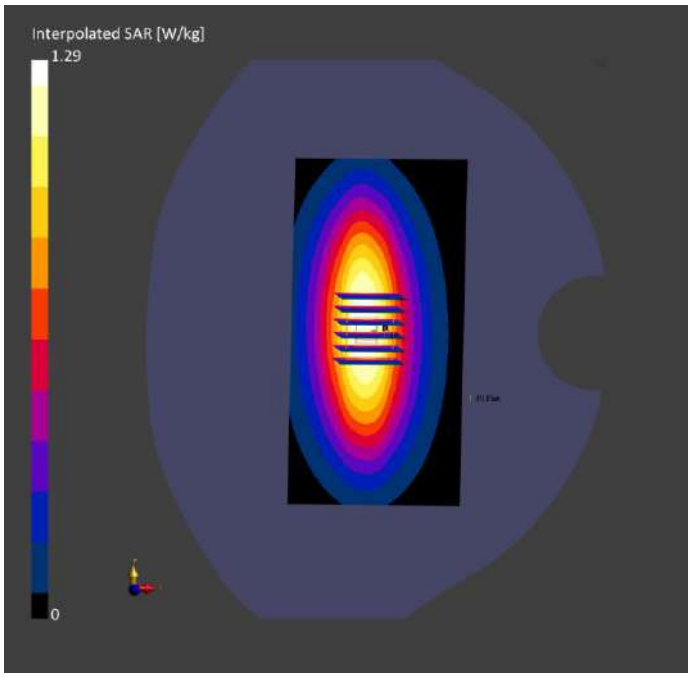
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-05-08	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn1710, 2024-01-03

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	2024-05-08	2024-05-08
psSAR1g [W/kg]	0.862	0.857
psSAR10g [W/kg]	0.571	0.562
Power Drift [dB]	-0.04	-0.07
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		85.5
Dist 3dB Peak [mm]		21.8


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, Test Distance [mm]	Band	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	0.894	41.2	22.5	21.7

Hardware Setup

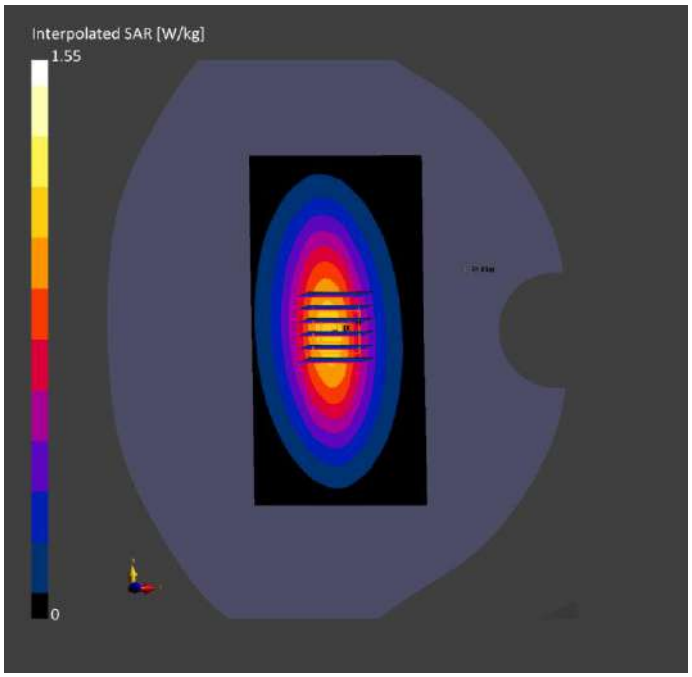
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-05-09	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn1710, 2024-01-03

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	2024-05-09	2024-05-09
psSAR1g [W/kg]	0.917	0.936
psSAR10g [W/kg]	0.612	0.611
Power Drift [dB]	0.08	0.01
Power Scaling Scaling Factor [dB]	Disabled	Disabled
TSL Correction	No correction	No correction
M2/M1 [%]		84.3
Dist 3dB Peak [mm]		12.7


Interpolated SAR [W/kg]
1.55
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, Test Distance [mm]	Band	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	0.873	42.7	22.3	21.4

Hardware Setup

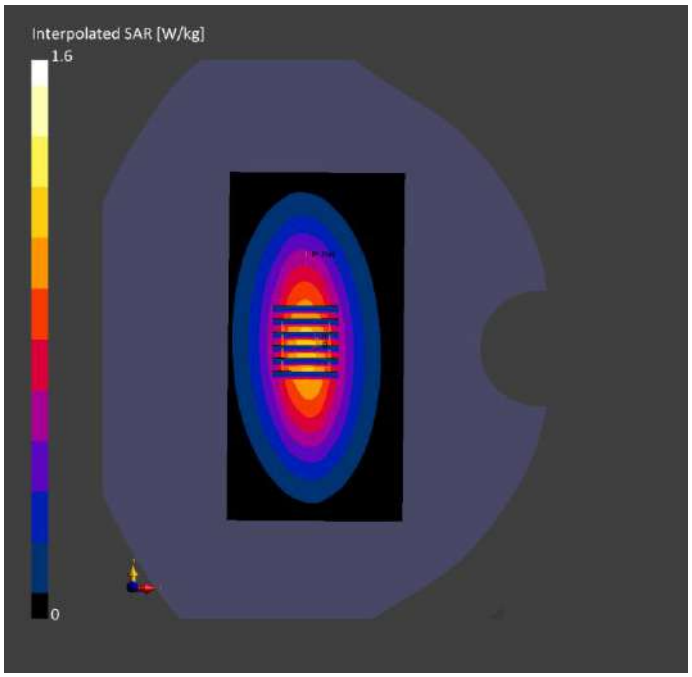
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-05-11	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn1710, 2024-01-03

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	2024-05-11	2024-05-11
psSAR1g [W/kg]	0.921	0.942
psSAR10g [W/kg]	0.602	0.615
Power Drift [dB]	-0.05	-0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		83.9
Dist 3dB Peak [mm]		13.2


Interpolated SAR [W/kg]
1.6
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, Test Distance [mm]	Band	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	0.915	41.9	22.6	21.7

Hardware Setup

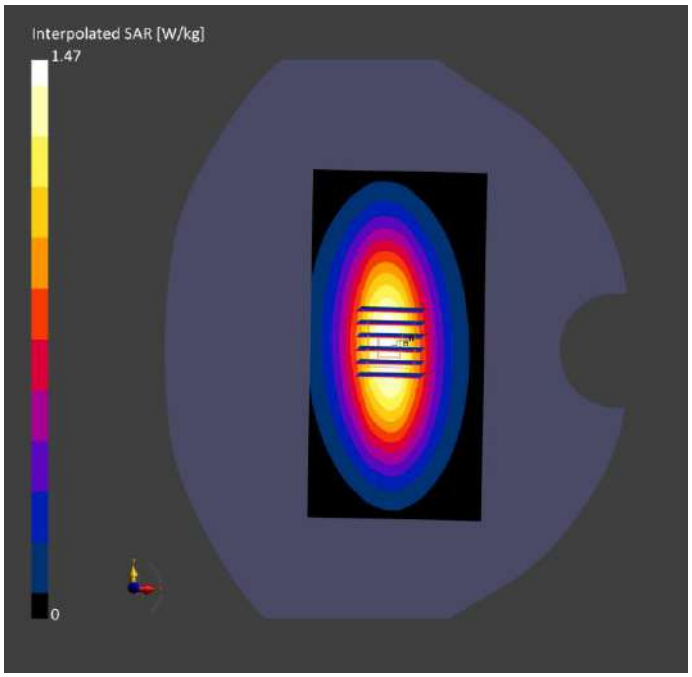
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-05-10	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn1710, 2024-01-03

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	2024-05-10	2024-05-10
psSAR1g [W/kg]	0.920	0.958
psSAR10g [W/kg]	0.619	0.620
Power Drift [dB]	0.07	0.04
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		85.3
Dist 3dB Peak [mm]		12.9


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, Test Distance [mm]	Band	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	1.37	40.5	22.7	21.9

Hardware Setup

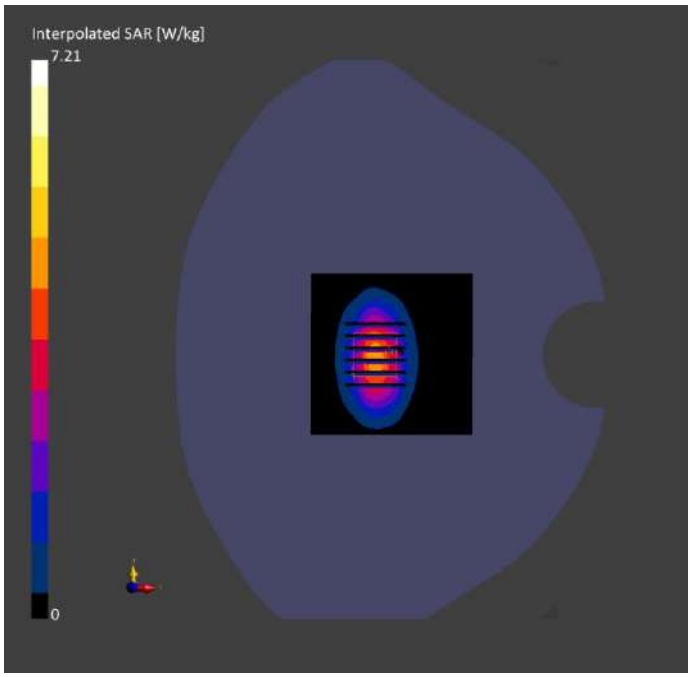
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-05-14	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn1710, 2024-01-03

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	2024-05-14	2024-05-14
psSAR1g [W/kg]	3.30	3.64
psSAR10g [W/kg]	2.16	1.92
Power Drift [dB]	-0.04	-0.04
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		82.5
Dist 3dB Peak [mm]		9.4


Interpolated SAR [W/kg]
7.21
0

System Performance Check Data (1950MHz)

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, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL		D1950	CW, 0--	1950.0, 50	7.87	1.43	38.9	22.6	21.5

Hardware Setup

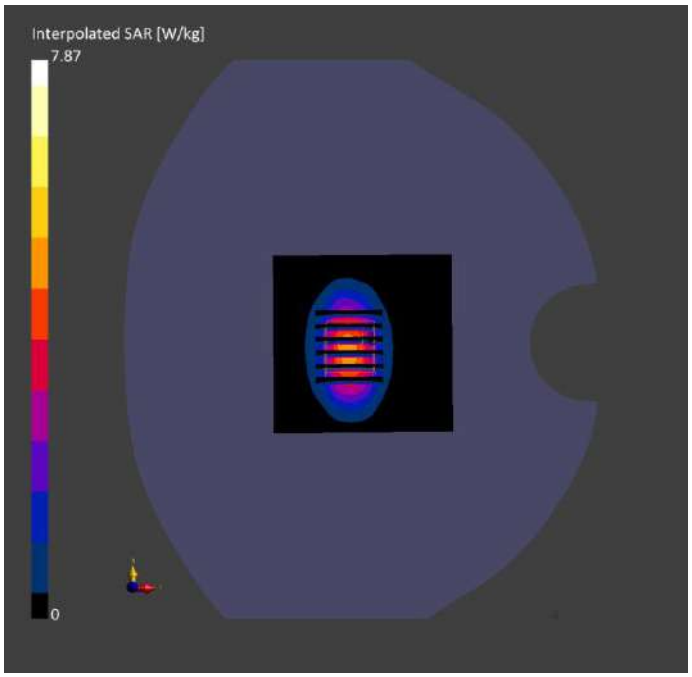
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-05-16	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn1710, 2024-01-03

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	2024-05-16	2024-05-16
psSAR1g [W/kg]	3.64	4.15
psSAR10g [W/kg]	1.78	2.16
Power Drift [dB]	-0.11	-0.04
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		82.2
Dist 3dB Peak [mm]		9.8


Interpolated SAR [W/kg]
7.87
0

System Performance Check Data (2450MHz)

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
D2450V2, SPEAG	40.0 x 8.0 x 8.0	Dipole

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL		D2450	CW, 0--	2450.0, 50	7.47	1.83	39.4	22.3	21.1

Hardware Setup

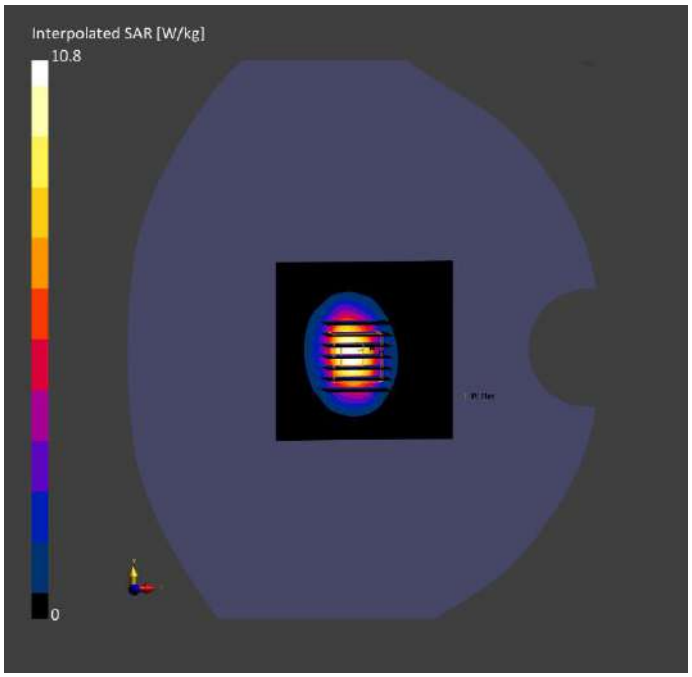
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-05-18	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn1710, 2024-01-03

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	2024-05-18	2024-05-18
psSAR1g [W/kg]	5.15	5.35
psSAR10g [W/kg]	2.24	2.49
Power Drift [dB]	-0.06	-0.07
Power Scaling Scaling Factor [dB]	Disabled	Disabled
TSL Correction	No correction	No correction
M2/M1 [%]		80.1
Dist 3dB Peak [mm]		9.5


Interpolated SAR [W/kg]
10.8
0

System Performance Check Data (2600MHz)

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
CD2600V3, SPEAG	10.0 x 10.0 x 3.0	Dipole

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL		CD2600V3	CW, 0--	2600.0, 50	7.41	1.93	39.4	22.7	21.4

Hardware Setup

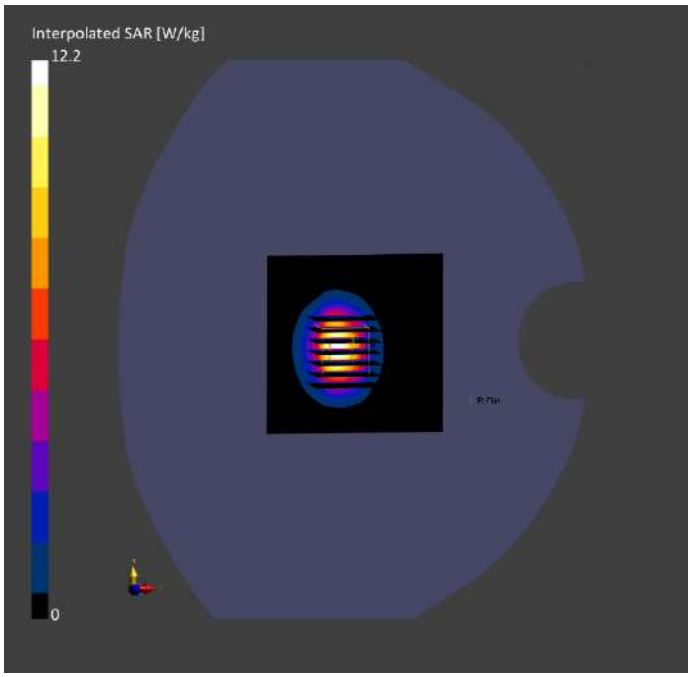
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-05-19	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn1710, 2024-01-03

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	2024-05-19	2024-05-19
psSAR1g [W/kg]	5.71	5.76
psSAR10g [W/kg]	2.46	2.54
Power Drift [dB]	0.01	-0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		79.5
Dist 3dB Peak [mm]		9.1


Interpolated SAR [W/kg]
12.2
0

System Performance Check Data (5200MHz)

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, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL		Validation band	CW, 0--	5200.0, 5200	5.41	4.65	36.8	22.2	21.7

Hardware Setup

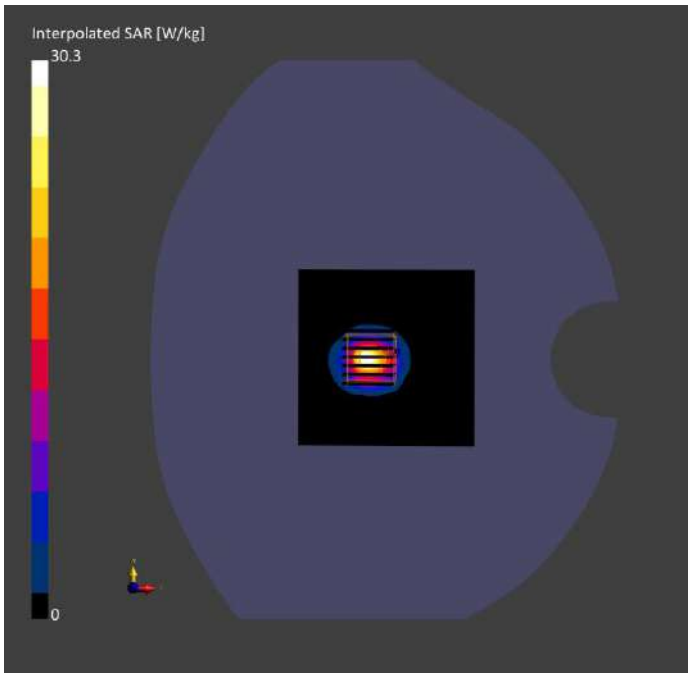
Phantom	TSL, Measured Date		Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000	2024-05-21	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn1710, 2024-01-03

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	2024-05-21	2024-05-21
psSAR1g [W/kg]	7.92	8.01
psSAR10g [W/kg]	2.27	2.31
Power Drift [dB]	0.03	-0.02
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		74.6
Dist 3dB Peak [mm]		7.8


Interpolated SAR [W/kg]
30.3
0

System Performance Check Data (5300MHz)

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, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL		Validation band	CW, 0--	5300.0, 5300	5.41	4.80	36.6	22.2	21.7

Hardware Setup

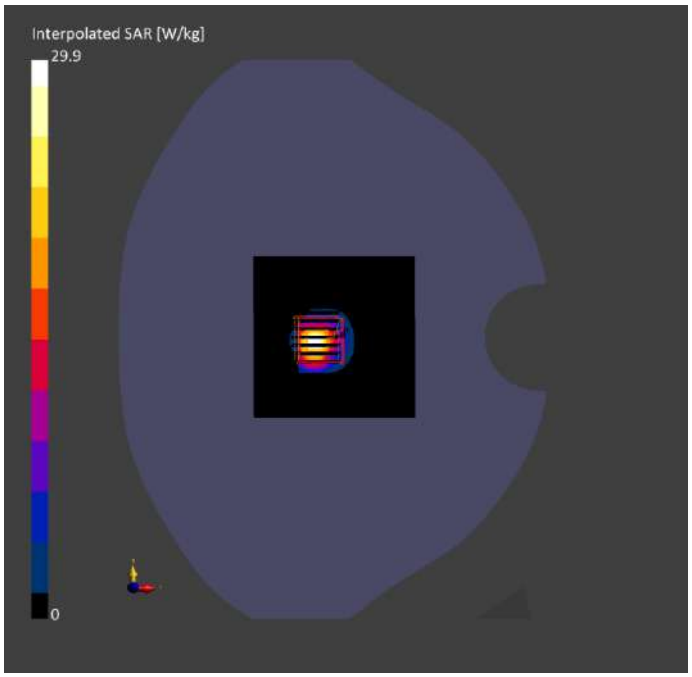
Phantom	TSL, Measured Date		Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000	2024-05-21	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn1710, 2024-01-03

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	2024-05-21	2024-05-21
psSAR1g [W/kg]	8.02	8.10
psSAR10g [W/kg]	2.37	2.35
Power Drift [dB]	0.03	-0.02
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		74.6
Dist 3dB Peak [mm]		7.8


Interpolated SAR [W/kg]
29.9
0

System Performance Check Data (5500MHz)

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, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL		Validation band	CW, 0--	5500.0, 5500	4.58	4.98	35.6	22.4	21.3

Hardware Setup

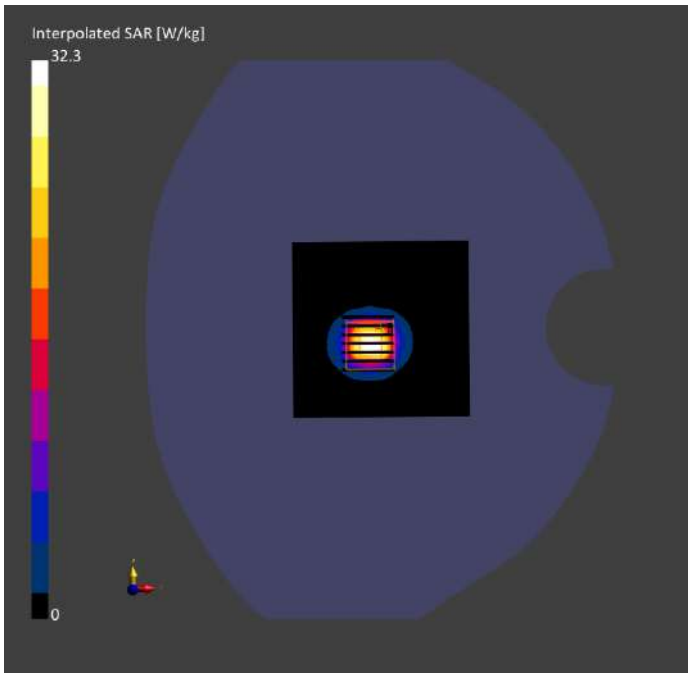
Phantom	TSL, Measured Date		Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000	2024-05-23	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn1710, 2024-01-03

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	2024-05-23	2024-05-23
psSAR1g [W/kg]	8.22	8.35
psSAR10g [W/kg]	2.37	2.40
Power Drift [dB]	0.04	-0.12
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		75.6
Dist 3dB Peak [mm]		7.6


Interpolated SAR [W/kg]
32.3
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, Test Distance [mm]	Band	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	5.14	35.9	22.4	21.3

Hardware Setup

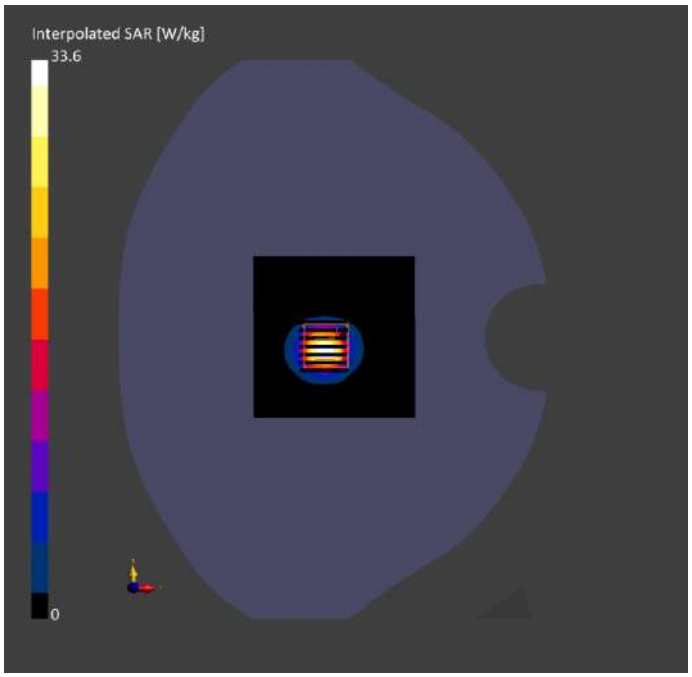
Phantom	TSL, Measured Date		Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000	2024-05-23	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn1710, 2024-01-03

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	2024-05-23	2024-05-23
psSAR1g [W/kg]	7.96	8.15
psSAR10g [W/kg]	2.23	2.30
Power Drift [dB]	-0.03	0.02
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		69.2
Dist 3dB Peak [mm]		7.6


Interpolated SAR [W/kg]
33.6
0

System Performance Check Data (5800MHz)

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, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL		Validation band	CW, 0--	5800.0, 5800	4.78	5.13	35.9	22.4	21.3

Hardware Setup

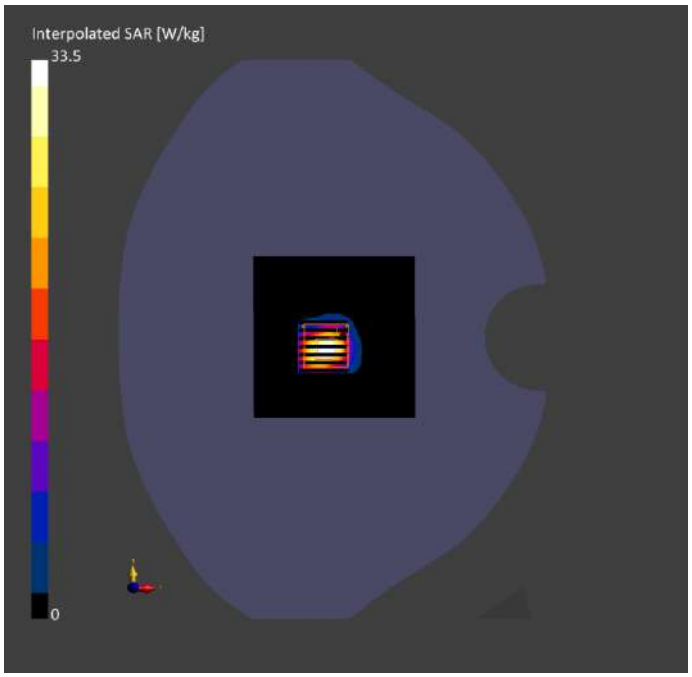
Phantom	TSL, Measured Date		Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000	2024-05-23	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn1710, 2024-01-03

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	2024-05-23	2024-05-23
psSAR1g [W/kg]	7.98	8.06
psSAR10g [W/kg]	2.21	2.25
Power Drift [dB]	-0.12	0.06
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		68.1
Dist 3dB Peak [mm]		7.9


Interpolated SAR [W/kg]
33.5
0

ANNEX C TEST DATA

Meas.1 Right Head with Cheek on Middle Channel in GPRS850 3slots mode with Antenna 0

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
24076RP19G	210.0 x 125.0 x 9.0	Tablet

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	0.935	41.5	22.6	21.7

Hardware Setup

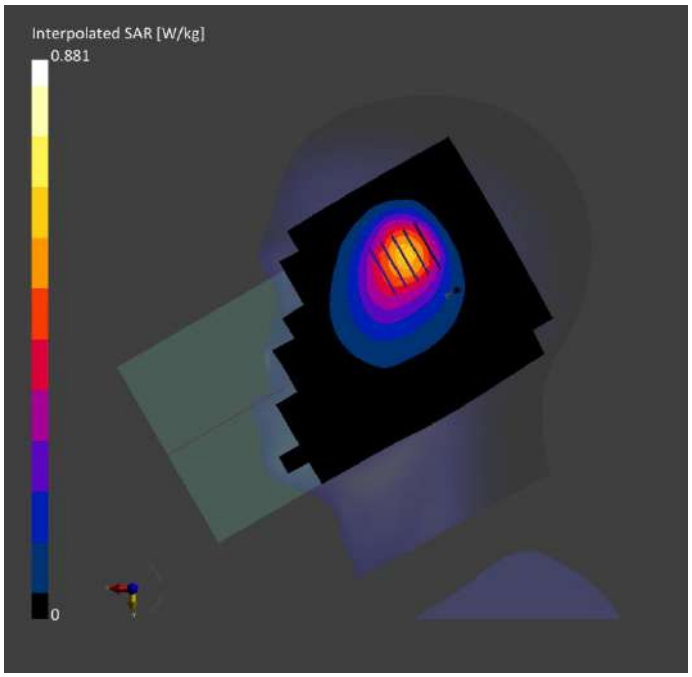
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-05-10	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn1710, 2024-01-03

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	150.0 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	2024-05-10	2024-05-10
psSAR1g [W/kg]	0.543	0.570
psSAR10g [W/kg]	0.359	0.375
Power Drift [dB]	0.02	0.00
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		60.7
Dist 3dB Peak [mm]		18.1


Interpolated SAR [W/kg]
0.881
0

Meas.2 Body Plane with Front Side 0mm on Middle Channel in GPRS850 3Slots mode with Antenna 0

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
24076RP19G	210.0 x 125.0 x 9.0	Tablet

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	824.2, 128	9.96	0.912	42.3	22.6	21.7

Hardware Setup

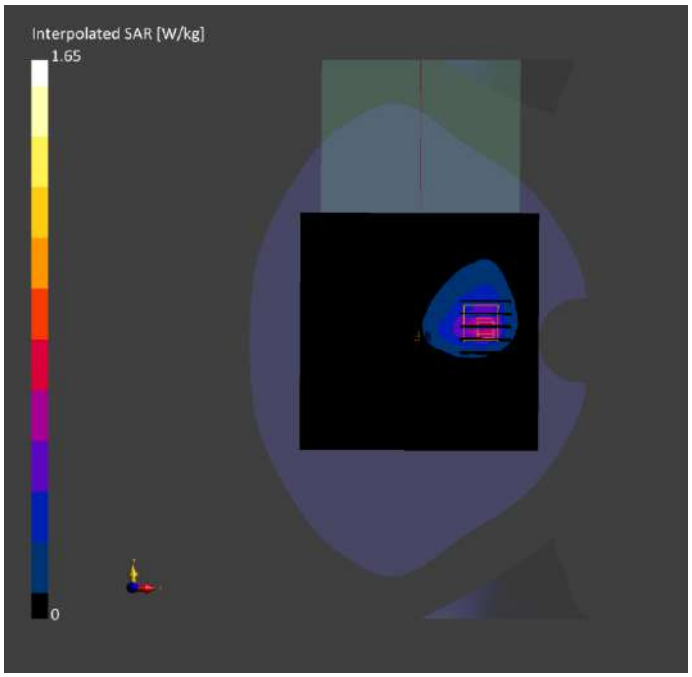
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-05-10	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn1710, 2024-01-03

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	150.0 x 150.0	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	2024-05-10	2024-05-10
psSAR1g [W/kg]	0.734	0.743
psSAR10g [W/kg]	0.440	0.422
Power Drift [dB]	-0.01	0.00
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		39.0
Dist 3dB Peak [mm]		8.0


Interpolated SAR [W/kg]
1.65
0

Meas.3 Right Head with Cheek on Middle Channel in GPRS1900 3slots mode with Antenna 0

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
24076RP19G	210.0 x 125.0 x 9.0	Tablet

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	PCS 1900	GSM, 10028-DAC	1850.2, 512	7.87	1.41	39.9	22.6	21.5

Hardware Setup

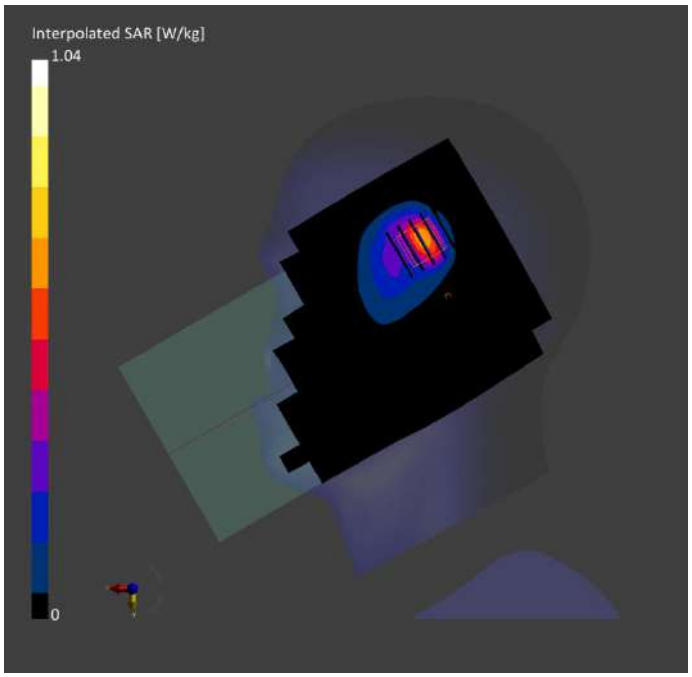
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-05-16	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn1710, 2024-01-03

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	150.0 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	2024-05-16	2024-05-16
psSAR1g [W/kg]	0.531	0.542
psSAR10g [W/kg]	0.272	0.268
Power Drift [dB]	-0.03	0.00
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		51.5
Dist 3dB Peak [mm]		8.0


Interpolated SAR [W/kg]
1.04
0

Meas.4 Body Plane with Back Side 0mm on High Channel in GPRS1900 3Slots mode with Antenna 0

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
24076RP19G	210.0 x 125.0 x 9.0	Tablet

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	BACK, 0.00	PCS 1900	GSM, 10027-DAC	1909.8, 810	7.87	1.43	39.0	22.6	21.5

Hardware Setup

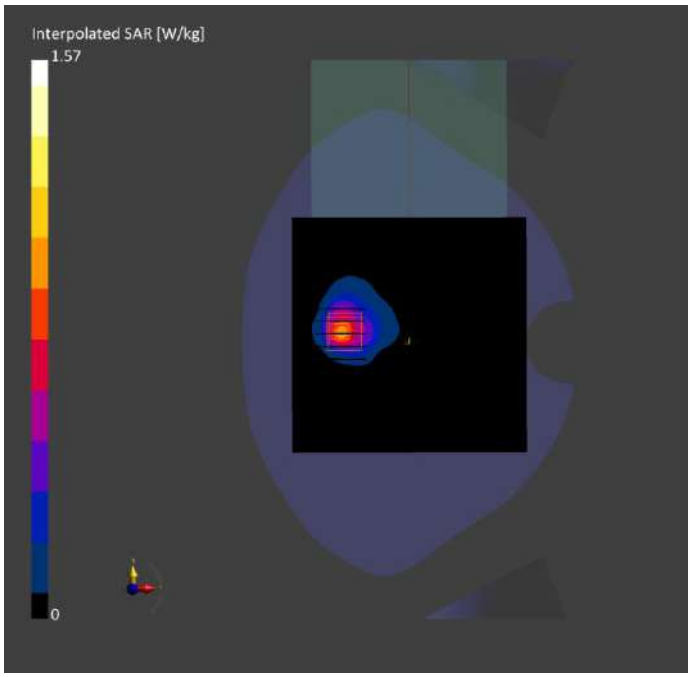
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-05-16	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn1710, 2024-01-03

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	150.0 x 150.0	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	2024-05-16	2024-05-16
psSAR1g [W/kg]	0.680	0.731
psSAR10g [W/kg]	0.348	0.330
Power Drift [dB]	0.01	0.00
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		43.5
Dist 3dB Peak [mm]		6.4


Interpolated SAR [W/kg]
1.57
0

Meas.5 Right Head with Cheek on High Channel in WCDMA Band2 mode with Antenna 0

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
24076RP19G	210.0 x 125.0 x 9.0	Tablet

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 2	WCDMA, 10011-CAC	1907.6, 9538	7.87	1.42	39.2	22.6	21.5

Hardware Setup

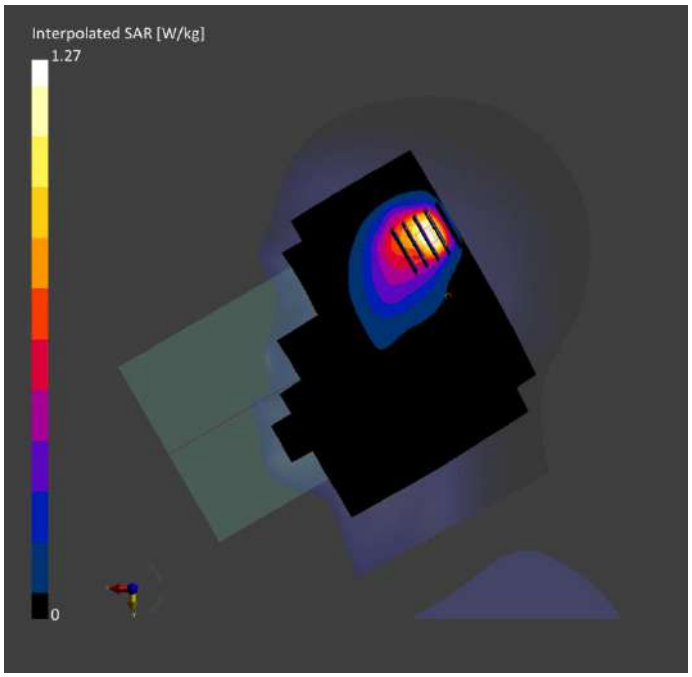
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-05-16	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn1710, 2024-01-03

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	180.0 x 240.0	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	2024-05-16	2024-05-16
psSAR1g [W/kg]	0.534	0.679
psSAR10g [W/kg]	0.282	0.330
Power Drift [dB]	0.02	0.00
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		56.1
Dist 3dB Peak [mm]		8.0


Interpolated SAR [W/kg]
1.27
0

Meas.6 Body Plane with Back Side 0mm on Middle Channel in WCDMA Band2 mode with Antenna 0

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
24076RP19G	210.0 x 125.0 x 9.0	Tablet

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	BACK, 0.00	Band 2	WCDMA, 10011-CAC	1880.0, 9400	7.87	1.42	39.4	22.6	21.5

Hardware Setup

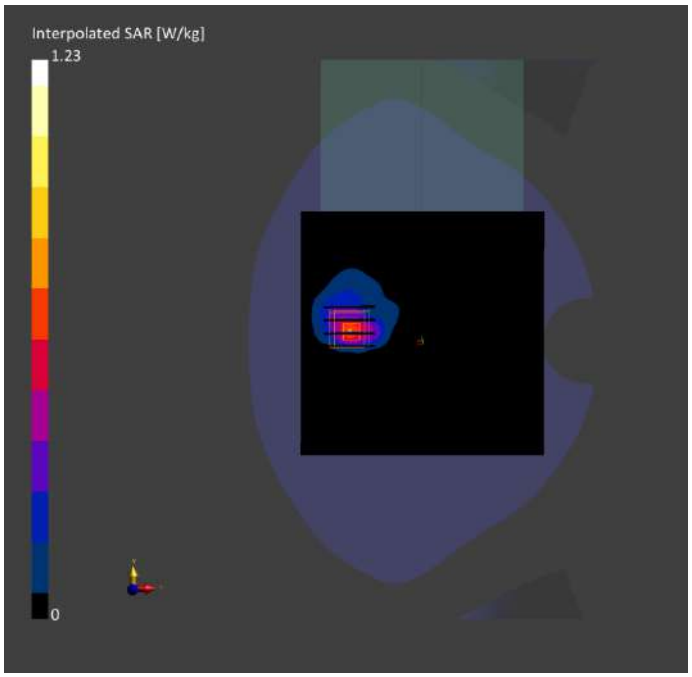
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-05-16	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn1710, 2024-01-03

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	150.0 x 150.0	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	2024-05-16	2024-05-16
psSAR1g [W/kg]	0.545	0.528
psSAR10g [W/kg]	0.263	0.233
Power Drift [dB]	0.01	0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		39.5
Dist 3dB Peak [mm]		6.4


Interpolated SAR [W/kg]
1.23
0

Meas.7 Right Head with Cheek on Middle Channel in WCDMA Band4 mode with Antenna 0

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
24076RP19G	210.0 x 125.0 x 9.0	Tablet

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 4	WCDMA, 10011-CAC	1752.6, 1513	8.52	1.37	40.4	22.7	21.9

Hardware Setup

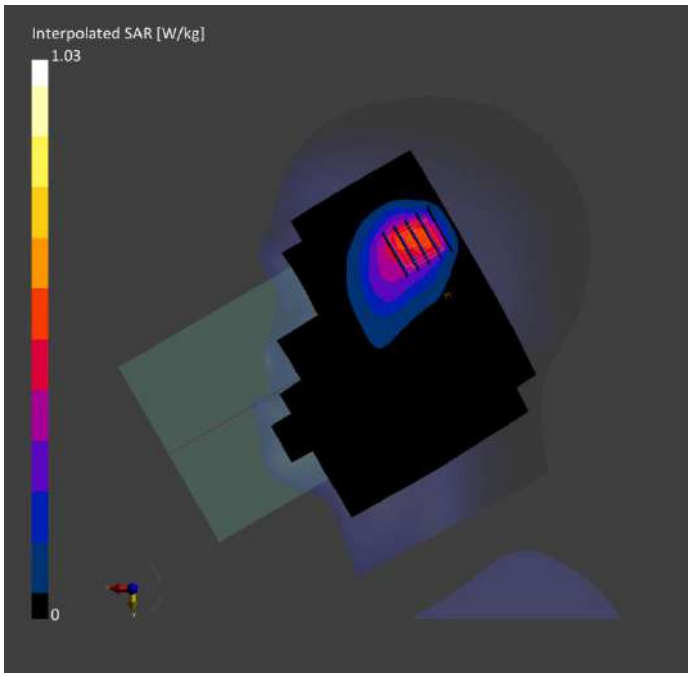
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-05-14	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn1710, 2024-01-03

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	180.0 x 240.0	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	2024-05-14	2024-05-14
psSAR1g [W/kg]	0.475	0.581
psSAR10g [W/kg]	0.287	0.309
Power Drift [dB]	0.05	0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		53.1
Dist 3dB Peak [mm]		12.2


Interpolated SAR [W/kg]
1.03
0

Meas.8 Body Plane with Back Side 0mm on High Channel in WCDMA Band4 mode with Antenna 0

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
24076RP19G	210.0 x 125.0 x 9.0	Tablet

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	BACK, 0.00	Band 4	WCDMA, 10011-CAC	1752.6, 1513	8.52	1.37	40.4	22.7	21.9

Hardware Setup

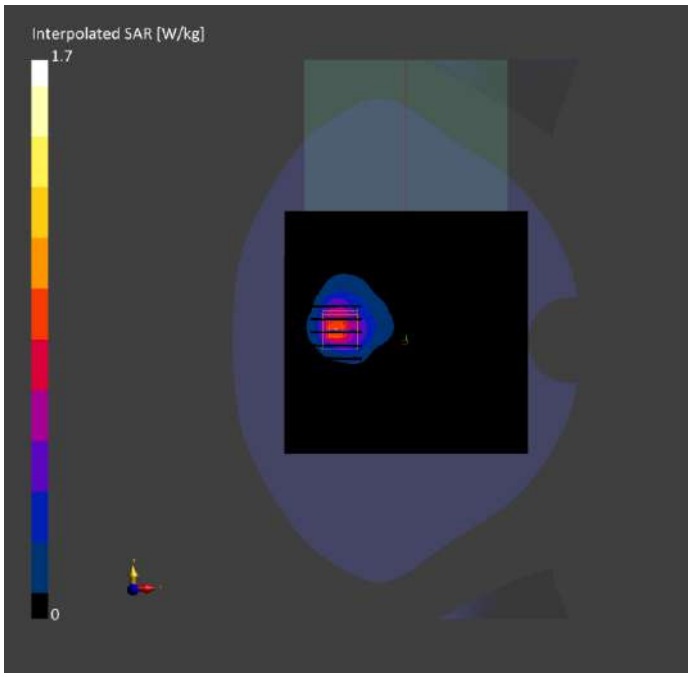
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-05-14	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn1710, 2024-01-03

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	150.0 x 150.0	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	2024-05-14	2024-05-14
psSAR1g [W/kg]	0.780	0.754
psSAR10g [W/kg]	0.399	0.362
Power Drift [dB]	0.02	0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		38.1
Dist 3dB Peak [mm]		8.0


Interpolated SAR [W/kg]
1.7
0

Meas.9 Right Head with Cheek on Middle Channel in WCDMA Band5 mode with Antenna 0

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
24076RP19G	210.0 x 125.0 x 9.0	Tablet

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, 10011-CAC	836.4, 4182	9.96	0.897	41.1	22.5	21.7

Hardware Setup

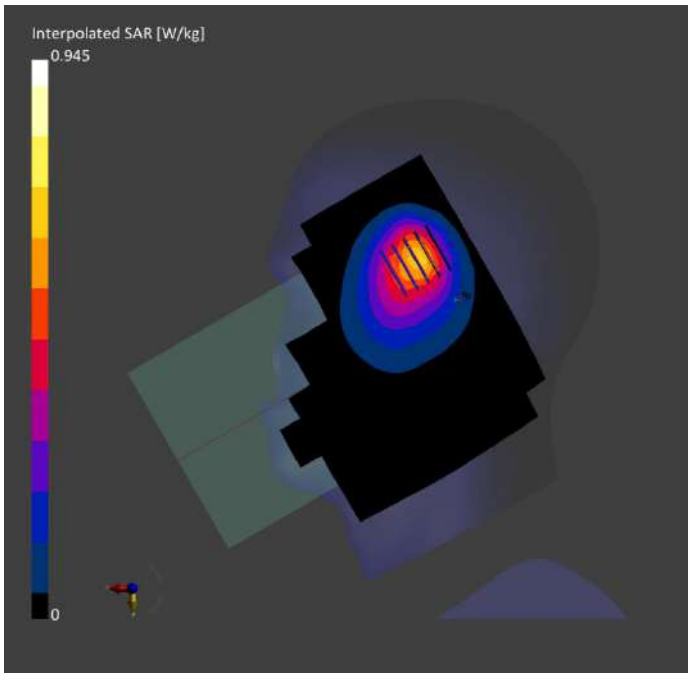
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-05-09	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn1710, 2024-01-03

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	180.0 x 240.0	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	2024-05-09	2024-05-09
psSAR1g [W/kg]	0.581	0.590
psSAR10g [W/kg]	0.380	0.389
Power Drift [dB]	-0.01	-0.00
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		56.4
Dist 3dB Peak [mm]		14.7


Interpolated SAR [W/kg]
0.945
0

Meas.10 Body Plane with Front Side 0mm on Middle Channel in WCDMA Band5 mode with Antenna 0

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
24076RP19G	210.0 x 125.0 x 9.0	Tablet

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	0.897	41.1	22.5	21.7

Hardware Setup

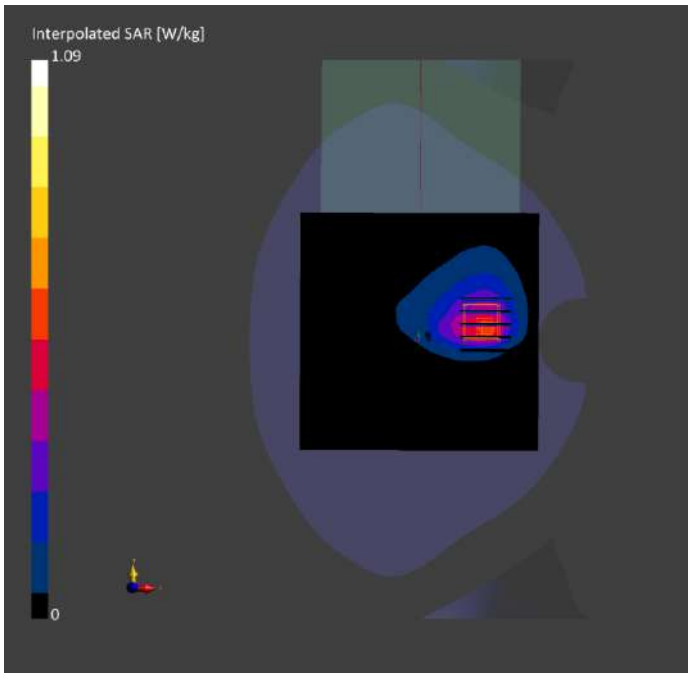
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-05-09	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn1710, 2024-01-03

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	150.0 x 150.0	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	2024-05-09	2024-05-09
psSAR1g [W/kg]	0.523	0.565
psSAR10g [W/kg]	0.344	0.339
Power Drift [dB]	-0.02	-0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		43.2
Dist 3dB Peak [mm]		6.4


Interpolated SAR [W/kg]
1.09
0

Meas.11 Right Head with Cheek on Middle Channel in LTE Band2 mode with Antenna 0

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
24076RP19G	210.0 x 125.0 x 9.0	Tablet

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 2	LTE - FDD, 10169-CAF	1860.0, 18700	7.87	1.42	39.5	22.6	21.5

Hardware Setup

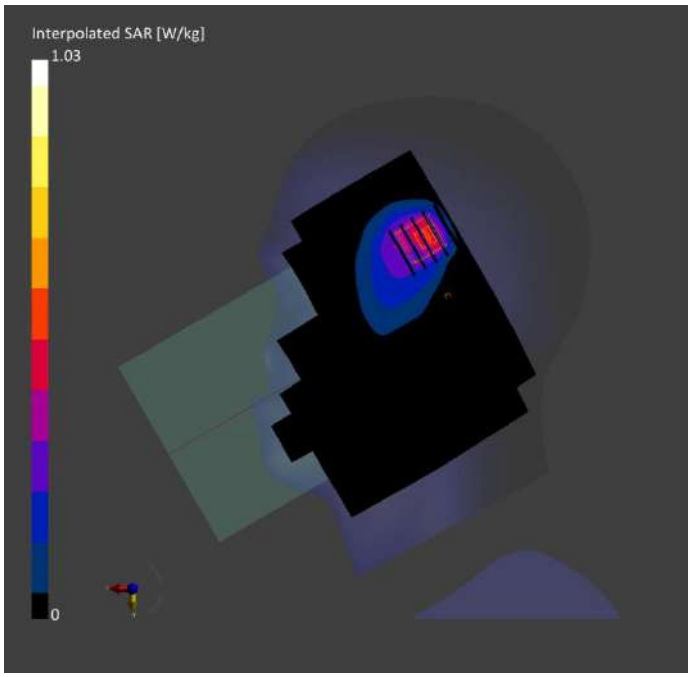
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-05-16	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn1710, 2024-01-03

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	180.0 x 240.0	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	2024-05-16	2024-05-16
psSAR1g [W/kg]	0.427	0.537
psSAR10g [W/kg]	0.235	0.266
Power Drift [dB]	0.05	0.00
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		53.9
Dist 3dB Peak [mm]		8.0


Interpolated SAR [W/kg]
1.03
0

Meas.12 Body Plane with Back Side 0mm on High Channel in LTE Band2 mode with Antenna 0

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
24076RP19G	210.0 x 125.0 x 9.0	Tablet

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	BACK, 0.00	Band 2	LTE - FDD, 10169-CAF	1900.0, 19100	7.87	1.42	39.3	22.6	21.5

Hardware Setup

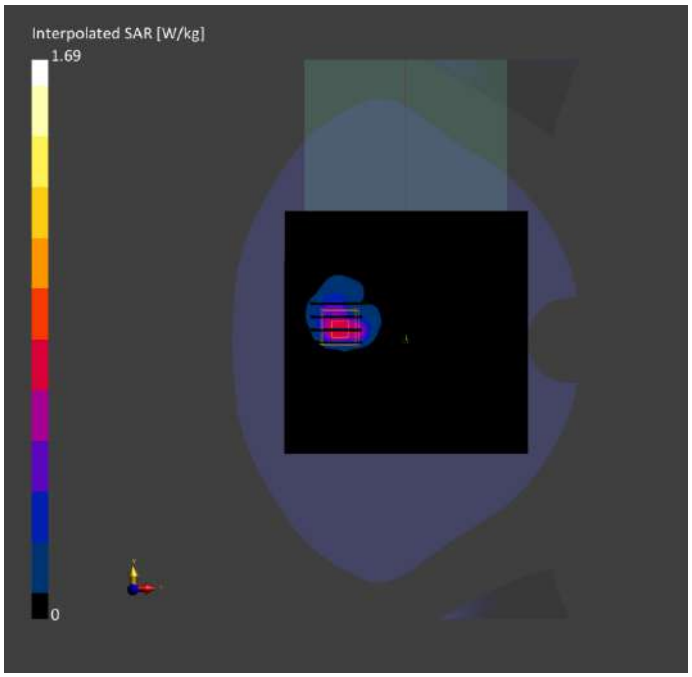
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-05-16	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn1710, 2024-01-03

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	150.0 x 150.0	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	2024-05-16	2024-05-16
psSAR1g [W/kg]	0.673	0.725
psSAR10g [W/kg]	0.333	0.304
Power Drift [dB]	-0.01	-0.02
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		38.6
Dist 3dB Peak [mm]		6.4


Interpolated SAR [W/kg]
1.69
0

Meas.13 Right Head with Cheek on High Channel in LTE Band4 mode with Antenna 0

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
24076RP19G	210.0 x 125.0 x 9.0	Tablet

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 4	LTE - FDD, 10169-CAF	1745.0, 20300	8.52	1.36	40.7	22.7	21.9

Hardware Setup

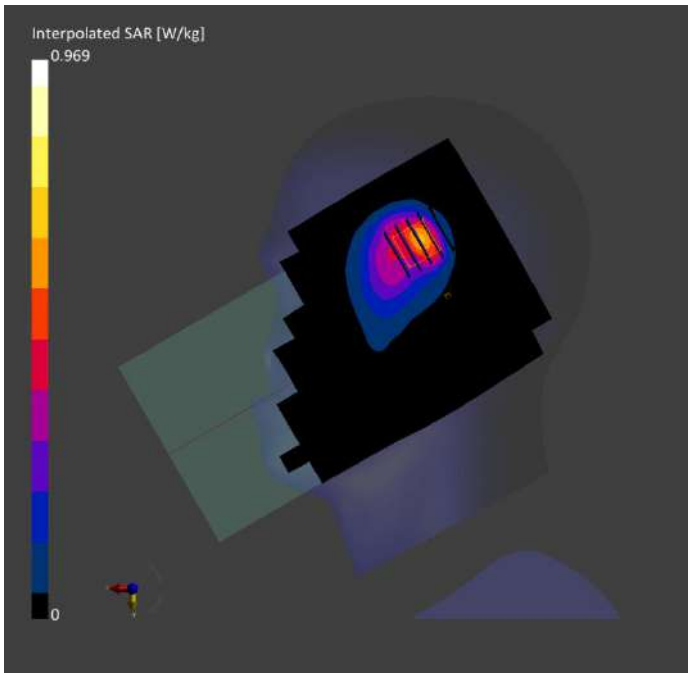
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-05-14	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn1710, 2024-01-03

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	150.0 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	2024-05-14	2024-05-14
psSAR1g [W/kg]	0.522	0.536
psSAR10g [W/kg]	0.288	0.288
Power Drift [dB]	0.00	0.00
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		53.6
Dist 3dB Peak [mm]		10.8


Interpolated SAR [W/kg]
0.969
0

Meas.14 Body Plane with Back Side 0mm on Middle Channel in LTE Band4 mode with Antenna 0

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
24076RP19G	210.0 x 125.0 x 9.0	Tablet

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	BACK, 0.00	Band 4	LTE - FDD, 10169-CAF	1745.0, 20300	8.52	1.36	40.7	22.7	21.9

Hardware Setup

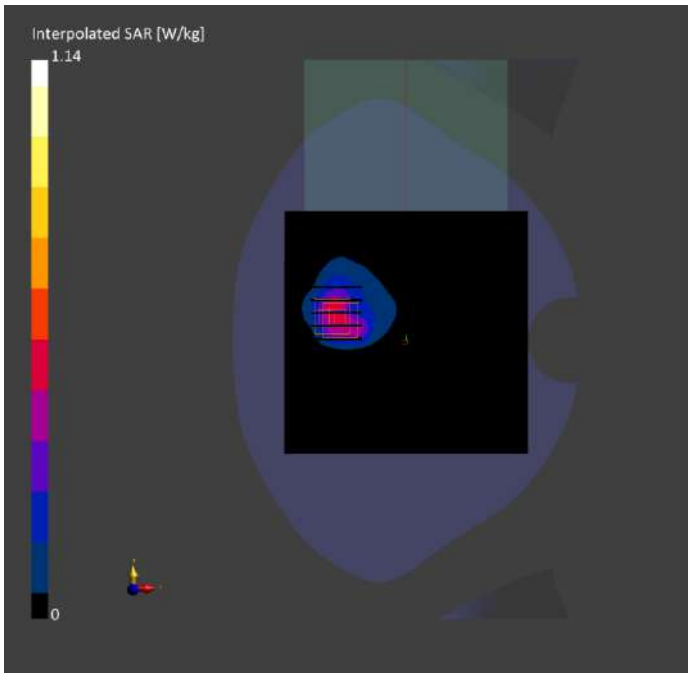
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-05-14	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn1710, 2024-01-03

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	150.0 x 150.0	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	2024-05-14	2024-05-14
psSAR1g [W/kg]	0.446	0.532
psSAR10g [W/kg]	0.246	0.253
Power Drift [dB]	-0.01	0.08
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		46.6
Dist 3dB Peak [mm]		9.3


Interpolated SAR [W/kg]
1.14
0

Meas.15 Right Head with Cheek on High Channel in LTE Band5 mode with Antenna 0

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
24076RP19G	210.0 x 125.0 x 9.0	Tablet

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	844.0, 20600	9.96	0.943	42.1	22.3	21.4

Hardware Setup

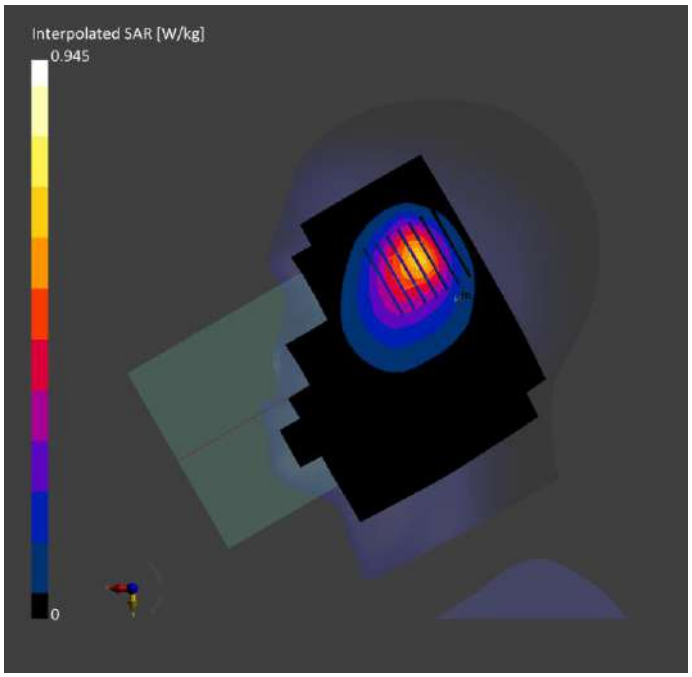
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-05-11	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn1710, 2024-01-03

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	180.0 x 240.0	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	2024-05-11	2024-05-11
psSAR1g [W/kg]	0.576	0.581
psSAR10g [W/kg]	0.376	0.383
Power Drift [dB]	-0.01	0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		55.3
Dist 3dB Peak [mm]		11.3


Interpolated SAR [W/kg]
0.945
0

Meas.16 Body Plane with Front Side 0mm on High Channel in LTE Band5 mode with Antenna 0

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
24076RP19G	210.0 x 125.0 x 9.0	Tablet

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	844.0, 20600	9.96	0.943	42.1	22.3	21.4

Hardware Setup

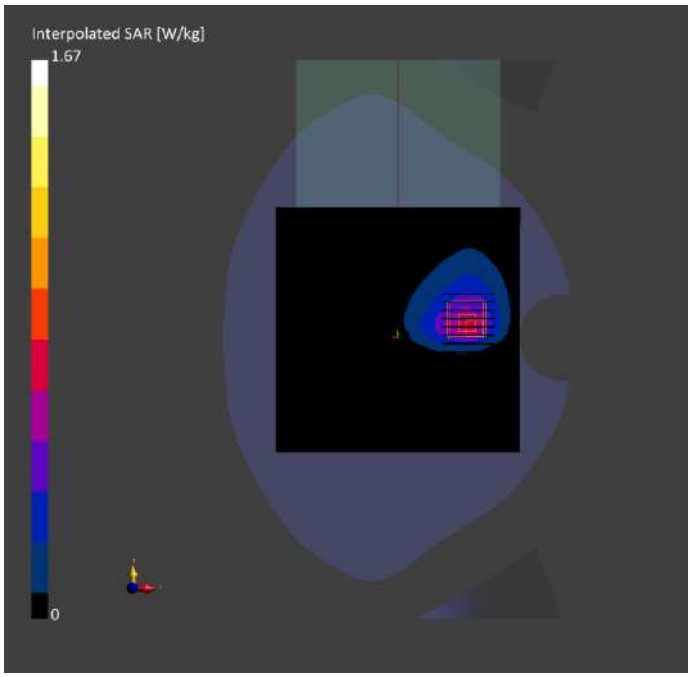
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-05-11	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn1710, 2024-01-03

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	150.0 x 150.0	32.0 x 35.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 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	2024-05-11	2024-05-11
psSAR1g [W/kg]	0.651	0.672
psSAR10g [W/kg]	0.393	0.376
Power Drift [dB]	-0.02	0.00
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		27.0
Dist 3dB Peak [mm]		5.0


Interpolated SAR [W/kg]
1.67
0

Meas.17 Right Head with Cheek on Middle Channel in LTE Band7 mode with Antenna 0

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
24076RP19G	210.0 x 125.0 x 9.0	Tablet

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 7	LTE - FDD, 10169-CAF	2535.0, 21100	7.41	1.85	40.1	22.7	21.4

Hardware Setup

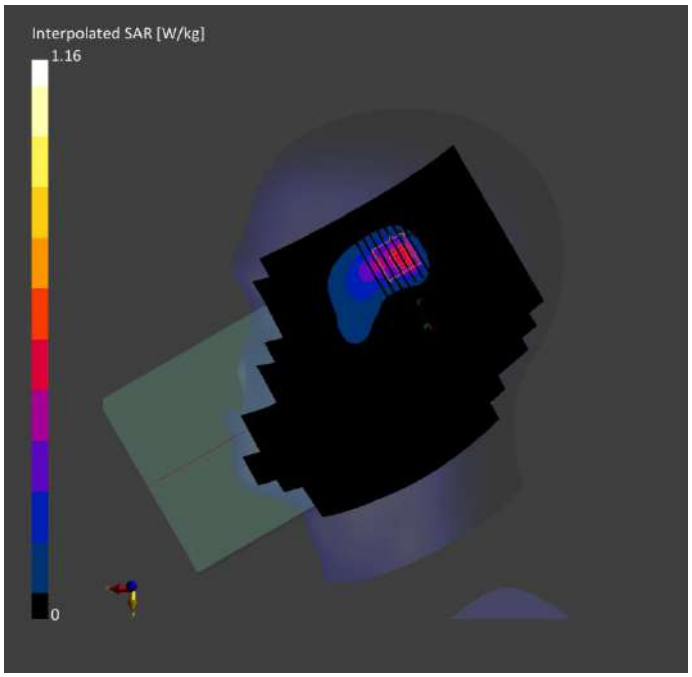
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-05-19	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn1710, 2024-01-03

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	168.0 x 240.0	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	2024-05-19	2024-05-19
psSAR1g [W/kg]	0.437	0.538
psSAR10g [W/kg]	0.212	0.227
Power Drift [dB]	0.03	-0.02
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		43.5
Dist 3dB Peak [mm]		8.0


Interpolated SAR [W/kg]
1.16
0

Meas.18 Body Plane with Back Side 0mm on Middle Channel in LTE Band7 mode with Antenna 0

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
24076RP19G	210.0 x 125.0 x 9.0	Tablet

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	BACK, 0.00	Band 7	LTE - FDD, 10169-CAF	2535.0, 21100	7.41	1.85	40.1	22.7	21.4

Hardware Setup

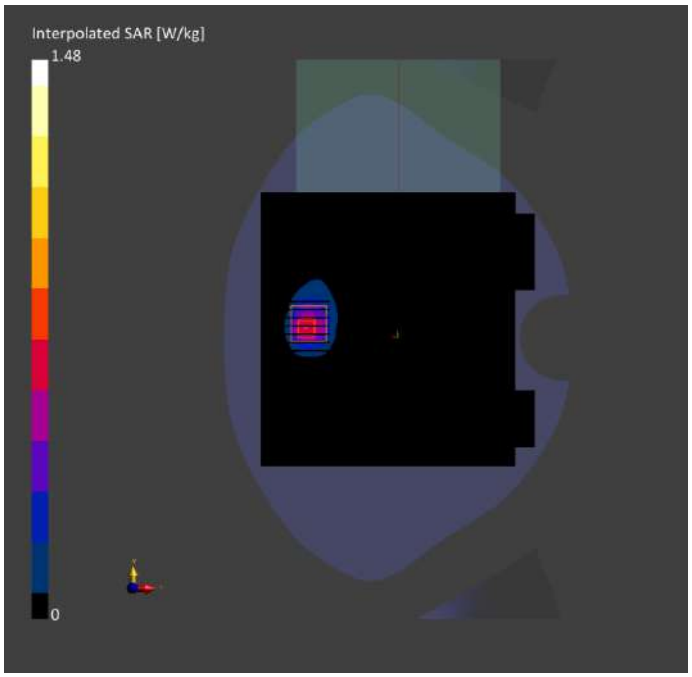
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-05-19	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn1710, 2024-01-03

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	168.0 x 168.0	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	2024-05-19	2024-05-19
psSAR1g [W/kg]	0.585	0.577
psSAR10g [W/kg]	0.264	0.251
Power Drift [dB]	-0.09	-0.12
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		29.1
Dist 3dB Peak [mm]		5.1


Interpolated SAR [W/kg]
1.48
0

Meas.19 Right Head with Cheek on Middle Channel in LTE Band13 mode with Antenna 0

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
24076RP19G	210.0 x 125.0 x 9.0	Tablet

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	0.902	41.8	22.7	21.6

Hardware Setup

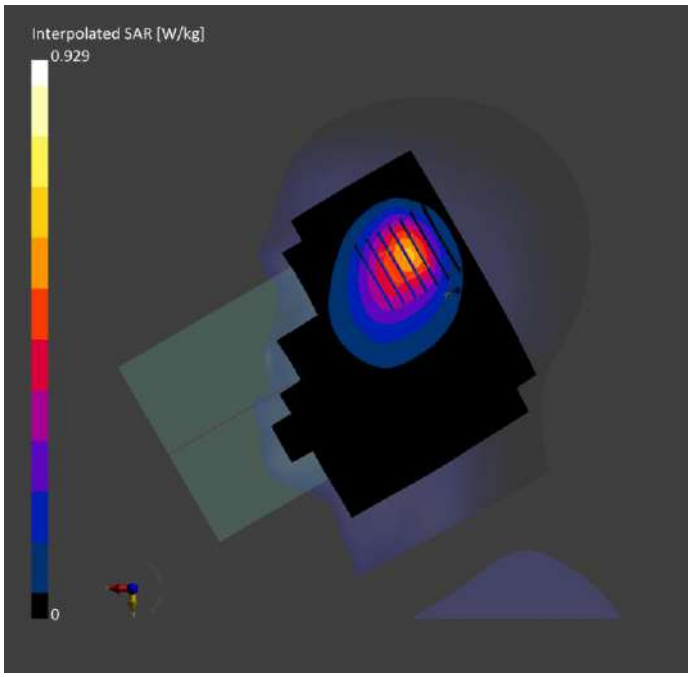
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-05-08	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn1710, 2024-01-03

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	180.0 x 240.0	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	2024-05-08	2024-05-08
psSAR1g [W/kg]	0.543	0.549
psSAR10g [W/kg]	0.357	0.361
Power Drift [dB]	0.01	0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		53.9
Dist 3dB Peak [mm]		11.3


Interpolated SAR [W/kg]
0.929
0

Meas.20 Body Plane with Back Side 0mm on Middle Channel in LTE Band13 mode with Antenna 0

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
24076RP19G	210.0 x 125.0 x 9.0	Tablet

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	BACK, 0.00	Band 13	LTE - FDD, 10175-CAH	782.0, 23230	10.31	0.902	41.8	22.7	21.6

Hardware Setup

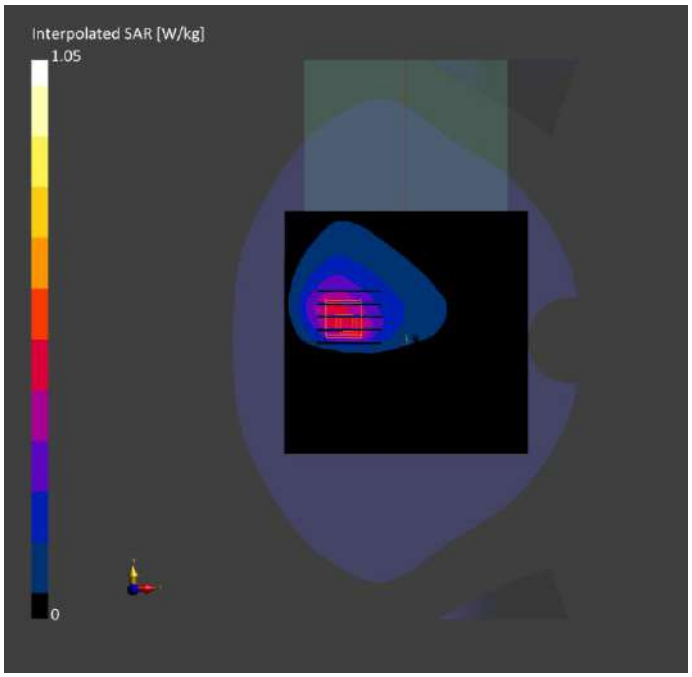
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-05-08	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn1710, 2024-01-03

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	150.0 x 150.0	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	2024-05-08	2024-05-08
psSAR1g [W/kg]	0.456	0.502
psSAR10g [W/kg]	0.297	0.289
Power Drift [dB]	-0.00	0.00
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		48.7
Dist 3dB Peak [mm]		11.2


Interpolated SAR [W/kg]
1.05
0

Meas.21 Right Head with Cheek on High Channel in LTE Band26 mode with Antenna 0

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
24076RP19G	210.0 x 125.0 x 9.0	Tablet

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 26	LTE - FDD, 10181-CAF	841.5, 26965	9.96	0.926	41.6	22.6	21.7

Hardware Setup

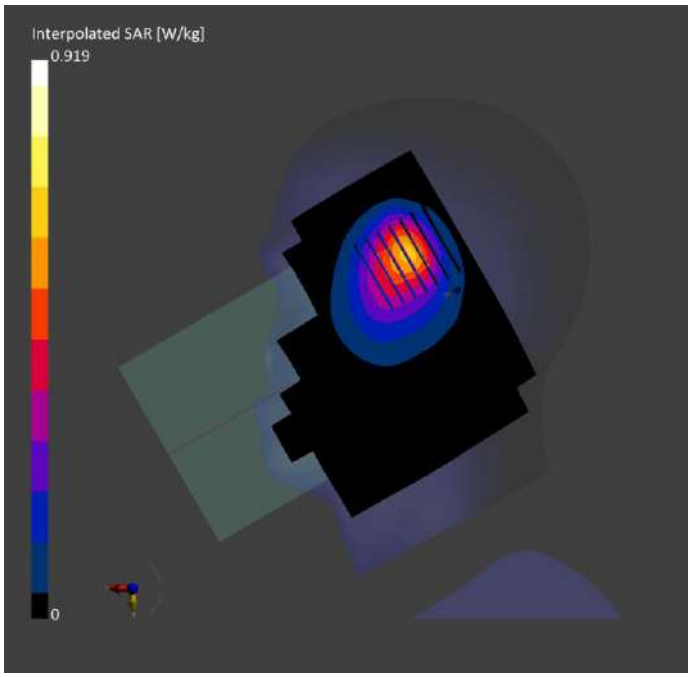
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-05-10	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn1710, 2024-01-03

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	180.0 x 240.0	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	2024-05-10	2024-05-10
psSAR1g [W/kg]	0.555	0.561
psSAR10g [W/kg]	0.363	0.370
Power Drift [dB]	-0.00	0.00
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		55.1
Dist 3dB Peak [mm]		11.6


Interpolated SAR [W/kg]
0.919
0

Meas.22 Body Plane with Front Side 0mm on Middle Channel in LTE Band26 mode with Antenna 0

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
24076RP19G	210.0 x 125.0 x 9.0	Tablet

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 26	LTE - FDD, 10181-CAF	831.5, 26865	9.96	0.914	42.1	22.6	21.7

Hardware Setup

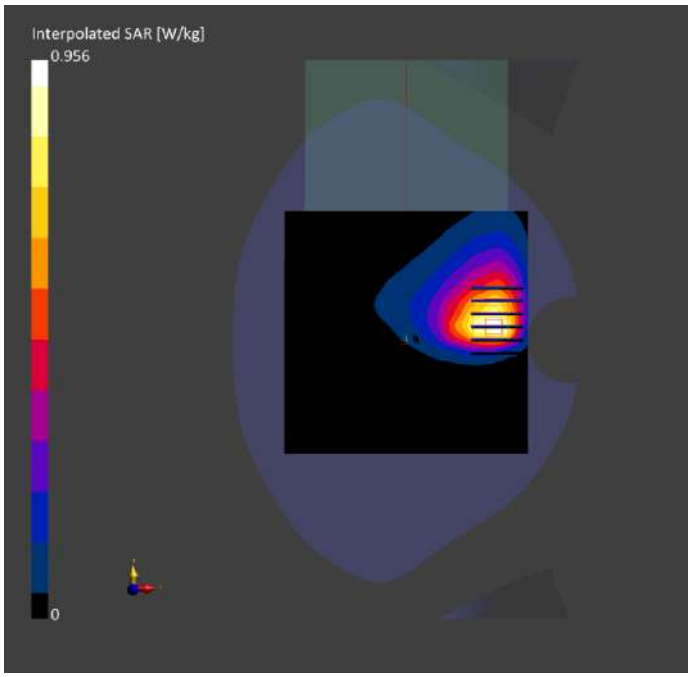
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-05-10	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn1710, 2024-01-03

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	150.0 x 150.0	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	2024-05-10	2024-05-10
psSAR1g [W/kg]	0.509	0.488
psSAR10g [W/kg]	0.322	0.297
Power Drift [dB]	-0.00	0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		39.2
Dist 3dB Peak [mm]		8.6


Interpolated SAR [W/kg]
0.956
0

Meas.23 Right Head with Cheek on Middle Channel in LTE Band66 mode with Antenna 0

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
24076RP19G	210.0 x 125.0 x 9.0	Tablet

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 66	LTE - FDD, 10169-CAF	1770.0, 132572	8.52	1.38	40.1	22.7	21.9

Hardware Setup

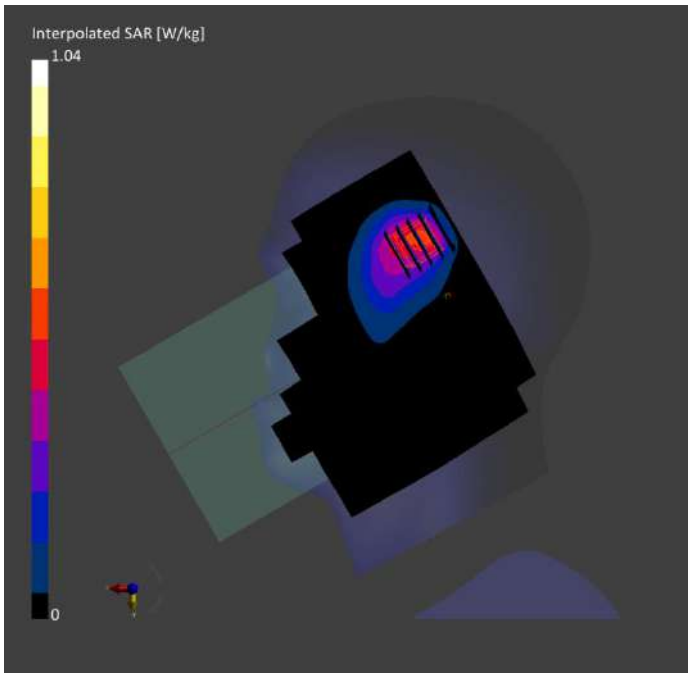
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-05-14	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn1710, 2024-01-03

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	180.0 x 240.0	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	2024-05-14	2024-05-14
psSAR1g [W/kg]	0.454	0.556
psSAR10g [W/kg]	0.273	0.293
Power Drift [dB]	0.04	-0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		53.0
Dist 3dB Peak [mm]		10.1


Interpolated SAR [W/kg]
1.04
0

Meas.24 Body Plane with Back Side 0mm on High Channel in LTE Band66 mode with Antenna 0

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
24076RP19G	210.0 x 125.0 x 9.0	Tablet

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	BACK, 0.00	Band 66	LTE - FDD, 10169-CAF	1770.0, 132572	8.52	1.38	40.1	22.7	21.9

Hardware Setup

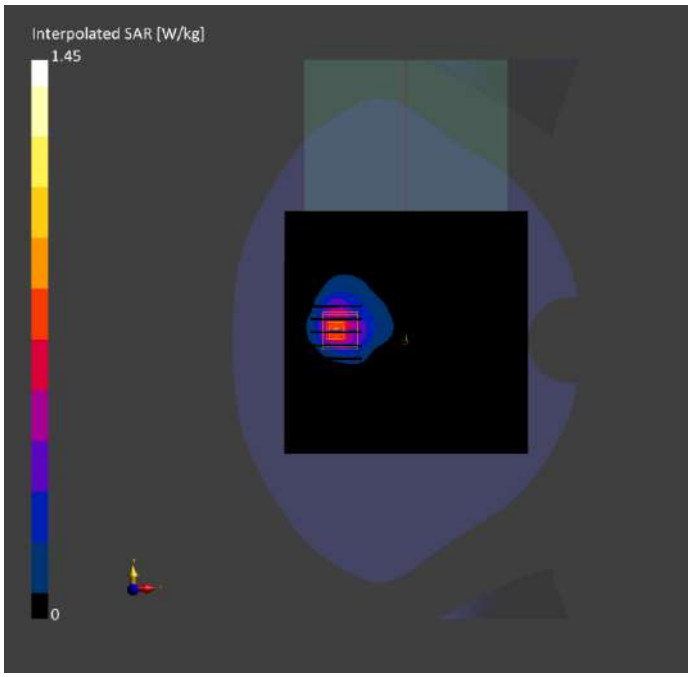
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-05-14	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn1710, 2024-01-03

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	150.0 x 150.0	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	2024-05-14	2024-05-14
psSAR1g [W/kg]	0.669	0.643
psSAR10g [W/kg]	0.340	0.309
Power Drift [dB]	0.02	0.00
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		38.1
Dist 3dB Peak [mm]		8.0


Interpolated SAR [W/kg]
1.45
0

Meas.25 Right Head with Cheek on Middle Channel in LTE Band38 mode with Antenna 0

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
24076RP19G	210.0 x 125.0 x 9.0	Tablet

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 38	LTE - TDD, 10172-CAH	2610.0, 38150	7.41	1.95	39.3	22.7	21.4

Hardware Setup

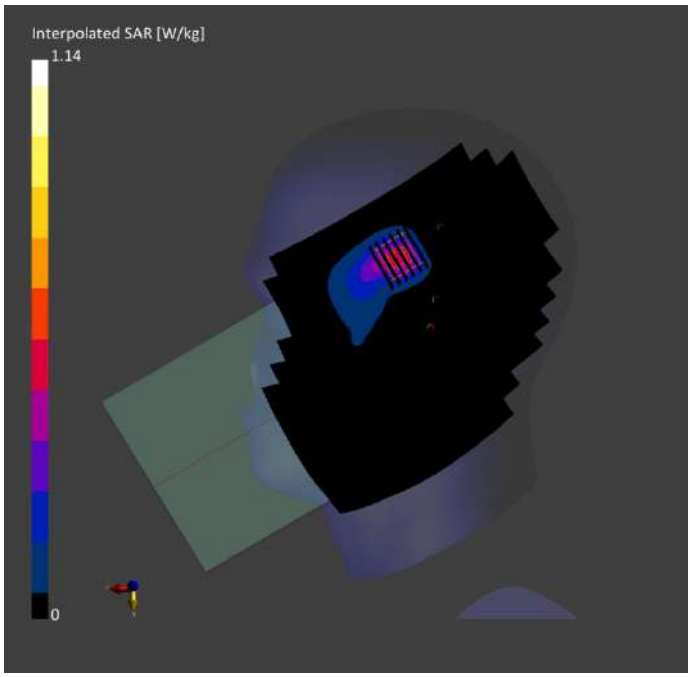
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-05-19	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn1710, 2024-01-03

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	168.0 x 240.0	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	2024-05-19	2024-05-19
psSAR1g [W/kg]	0.412	0.502
psSAR10g [W/kg]	0.206	0.213
Power Drift [dB]	0.01	0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		43.9
Dist 3dB Peak [mm]		8.0


Interpolated SAR [W/kg]
1.14
0

Meas.26 Body Plane with Back Side 0mm on Middle Channel in LTE Band38 mode with Antenna 0

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
24076RP19G	210.0 x 125.0 x 9.0	Tablet

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	BACK, 0.00	Band 38	LTE - TDD, 10172-CAH	2595.0, 38000	7.41	1.93	39.5	22.7	21.4

Hardware Setup

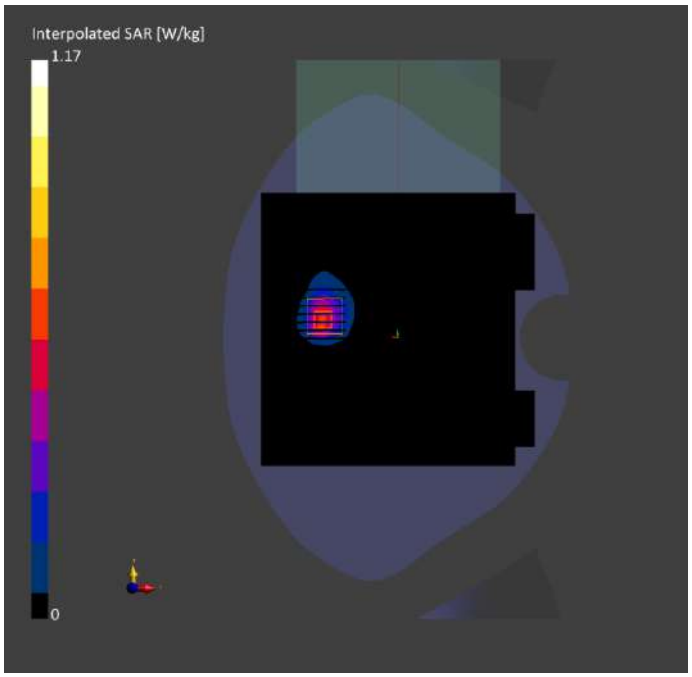
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-05-19	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn1710, 2024-01-03

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	168.0 x 168.0	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	2024-05-19	2024-05-19
psSAR1g [W/kg]	0.483	0.476
psSAR10g [W/kg]	0.214	0.206
Power Drift [dB]	-0.06	-0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		28.8
Dist 3dB Peak [mm]		5.0


Interpolated SAR [W/kg]
1.17
0

Meas.27 Right Head with Cheek on Middle Channel in LTE Band41 mode with Antenna 0

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
24076RP19G	210.0 x 125.0 x 9.0	Tablet

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 41	LTE - TDD, 10172-CAH	2593.0, 40620	7.41	1.92	39.7	22.7	21.4

Hardware Setup

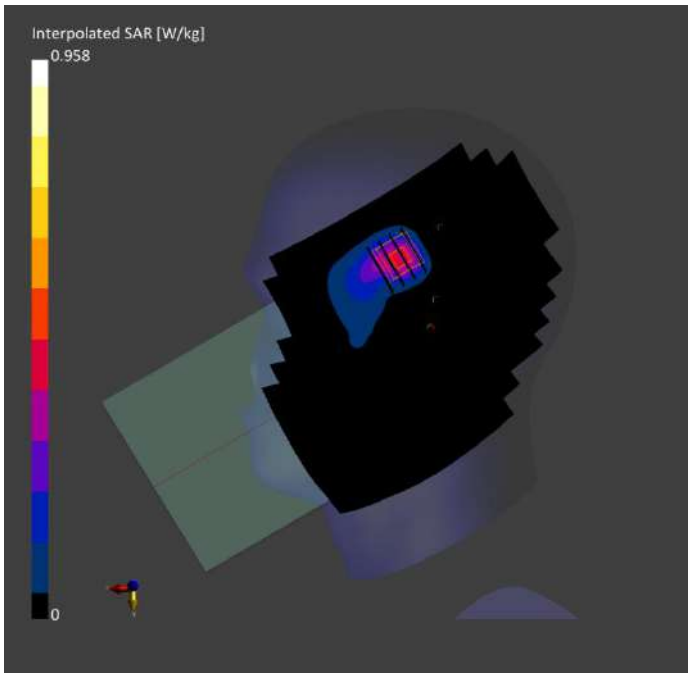
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-05-19	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn1710, 2024-01-03

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	168.0 x 240.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	12.0 x 12.0	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	2024-05-19	2024-05-19
psSAR1g [W/kg]	0.355	0.428
psSAR10g [W/kg]	0.178	0.183
Power Drift [dB]	0.03	0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		44.7
Dist 3dB Peak [mm]		8.0


Interpolated SAR [W/kg]
0.958
0

Meas.28 Body Plane with Back Side 0mm on Middle Channel in LTE Band41 mode with Antenna 0

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
24076RP19G	210.0 x 125.0 x 9.0	Tablet

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	BACK, 0.00	Band 41	LTE - TDD, 10172-CAH	2593.0, 40620	7.41	1.92	39.7	22.7	21.4

Hardware Setup

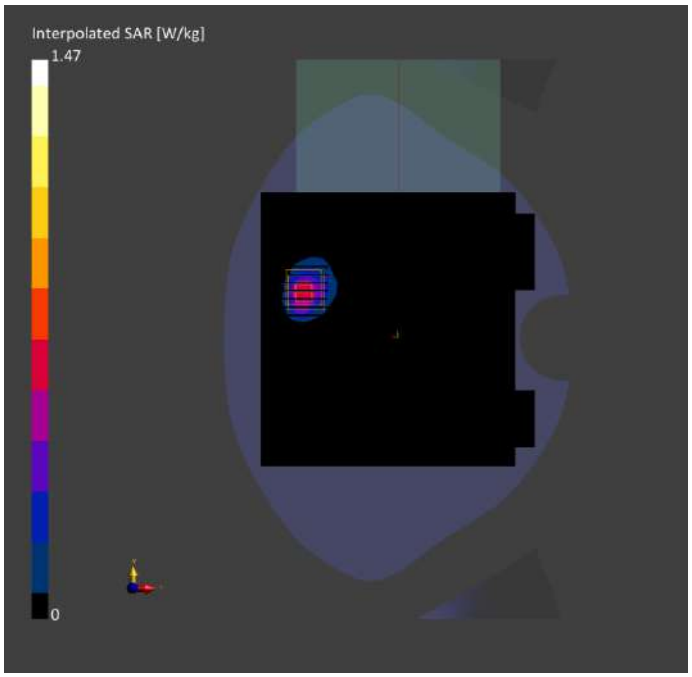
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-05-19	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn1710, 2024-01-03

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	168.0 x 168.0	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	2024-05-19	2024-05-19
psSAR1g [W/kg]	0.551	0.592
psSAR10g [W/kg]	0.235	0.238
Power Drift [dB]	-0.14	-0.03
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		36.8
Dist 3dB Peak [mm]		8.9


Interpolated SAR [W/kg]
1.47
0

Meas.29 Left Head with Tilt on 6 Channel in IEEE802.11g mode with Antenna 2

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
24076RP19G	210.0 x 125.0 x 9.0	Tablet

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	WLAN 2.4GHz	WLAN, 10013-CAB	2437.0, 6	7.47	1.80	39.7	22.3	21.1

Hardware Setup

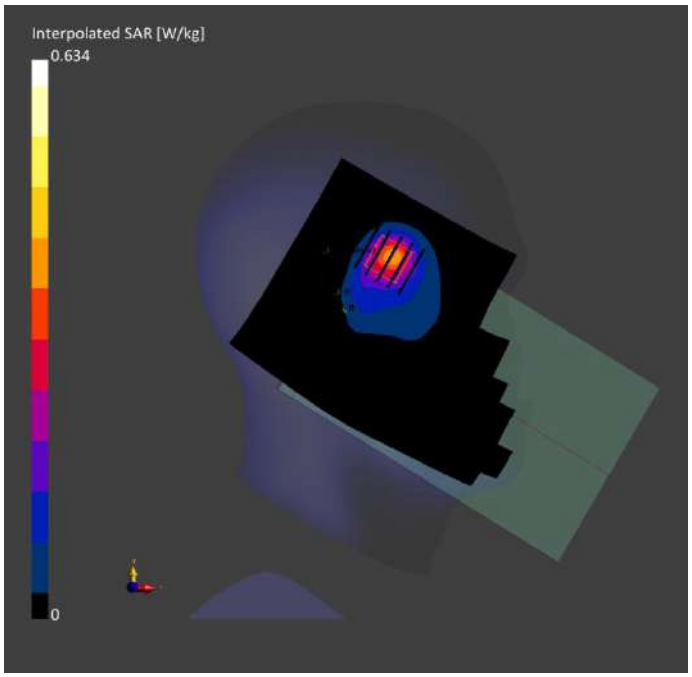
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-05-17	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn1710, 2024-01-03

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	144.0 x 216.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	12.0 x 12.0	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	2024-05-17	2024-05-17
psSAR1g [W/kg]	0.320	0.330
psSAR10g [W/kg]	0.159	0.163
Power Drift [dB]	-0.07	-0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		51.8
Dist 3dB Peak [mm]		12.2


Interpolated SAR [W/kg]
0.634
0

Meas.30 Body Plane with Back Side 0mm on 6 Channel in IEEE802.11b mode with Antenna 0

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
24076RP19G	210.0 x 125.0 x 9.0	Tablet

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	BACK, 0.00	WLAN 2.4GHz	WLAN, 10012-CAB	2437.0, 6	7.47	1.80	39.7	22.3	21.1

Hardware Setup

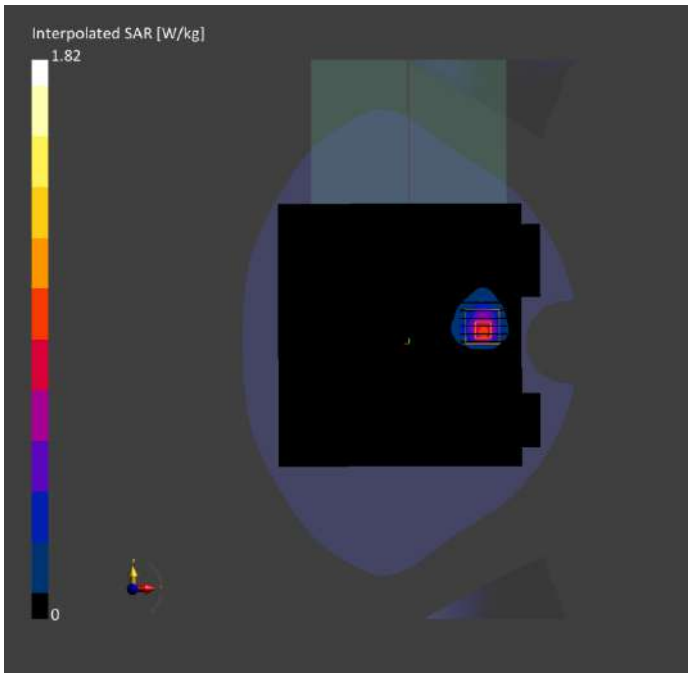
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-05-17	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn1710, 2024-01-03

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	168.0 x 168.0	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	2024-05-17	2024-05-17
psSAR1g [W/kg]	0.725	0.705
psSAR10g [W/kg]	0.302	0.274
Power Drift [dB]	-0.18	0.03
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		34.2
Dist 3dB Peak [mm]		7.6


Interpolated SAR [W/kg]
1.82
0

Meas.31 Left Head with Tilt on 36 Channel in IEEE802.11n20 mode with Antenna 2

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
24076RP19G	210.0 x 125.0 x 9.0	Tablet

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	WLAN 5GHz	WLAN, 10193-CAE	5180.0, 36	5.41	4.62	37.0	22.2	21.7

Hardware Setup

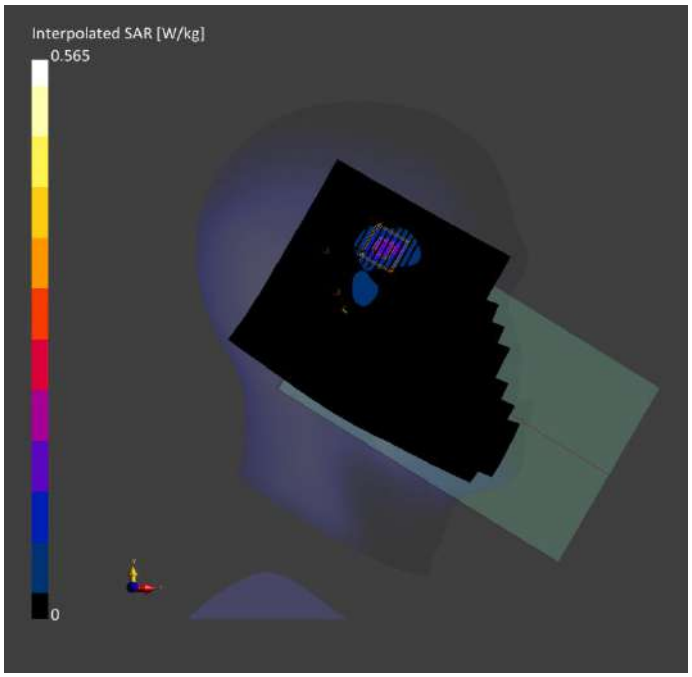
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-05-21	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn1710, 2024-01-03

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	140.0 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	2024-05-21	2024-05-21
psSAR1g [W/kg]	0.123	0.149
psSAR10g [W/kg]	0.045	0.048
Power Drift [dB]	-0.052907	-0.05
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		53.7
Dist 3dB Peak [mm]		6.1


Interpolated SAR [W/kg]
0.565
0

Meas.32 Left Head with Tilt on 116 Channel in IEEE802.11ac80 mode with Antenna 2

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
24076RP19G	210.0 x 125.0 x 9.0	Tablet

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	WLAN 5GHz	WLAN, 10062-CAE	5580.0, 116	4.58	5.08	35.3	22.4	21.3

Hardware Setup

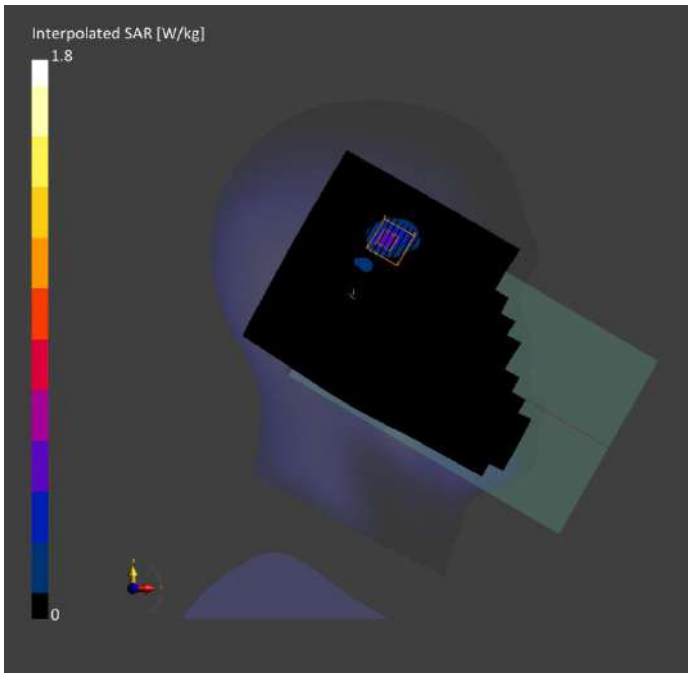
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-05-23	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn1710, 2024-01-03

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	140.0 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	2024-05-23	2024-05-23
psSAR1g [W/kg]	0.387	0.335
psSAR10g [W/kg]	0.129	0.096
Power Drift [dB]	0.02	0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		51.1
Dist 3dB Peak [mm]		6.1


Interpolated SAR [W/kg]
1.8
0

Meas.33 Left Head with Tilt on 155 Channel in IEEE802.11ac80 mode with Antenna 2

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
24076RP19G	210.0 x 125.0 x 9.0	Tablet

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	WLAN 5GHz	WLAN, 10544-AAD	5775.0, 155	4.78	5.10	35.9	22.4	21.3

Hardware Setup

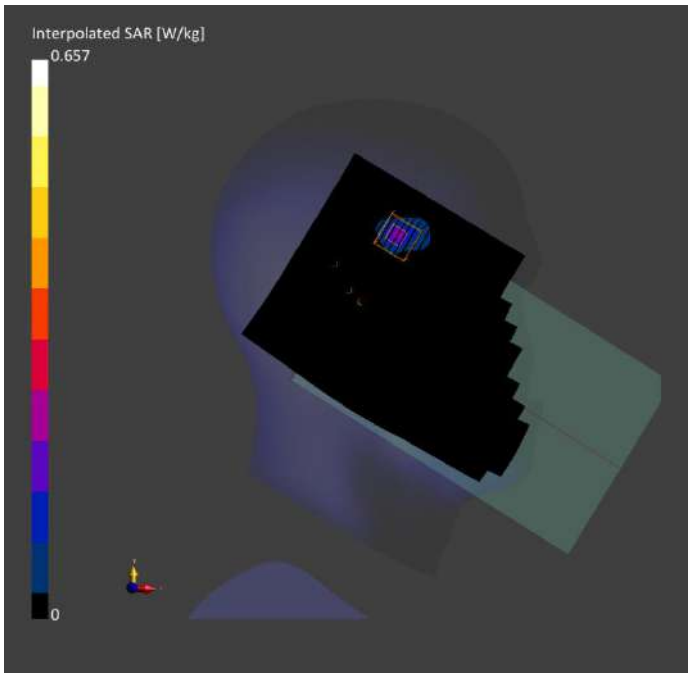
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-05-23	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn1710, 2024-01-03

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	140.0 x 220.0	24.0 x 24.0 x 24.0
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	2024-05-23	2024-05-23
psSAR1g [W/kg]	0.145	0.147
psSAR10g [W/kg]	0.044	0.043
Power Drift [dB]	0.11	0.03
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		47.0
Dist 3dB Peak [mm]		6.3


Interpolated SAR [W/kg]
0.657
0

Meas.34 Body Plane with Back Side 0mm on 58 Channel in IEEE802.11ac80 mode with Antenna 2

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
24076RP19G	210.0 x 125.0 x 9.0	Tablet

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	BACK, 0.00	WLAN 5GHz	WLAN, 10544-AAD	5290.0, 58	5.41	4.76	36.6	22.2	21.7

Hardware Setup

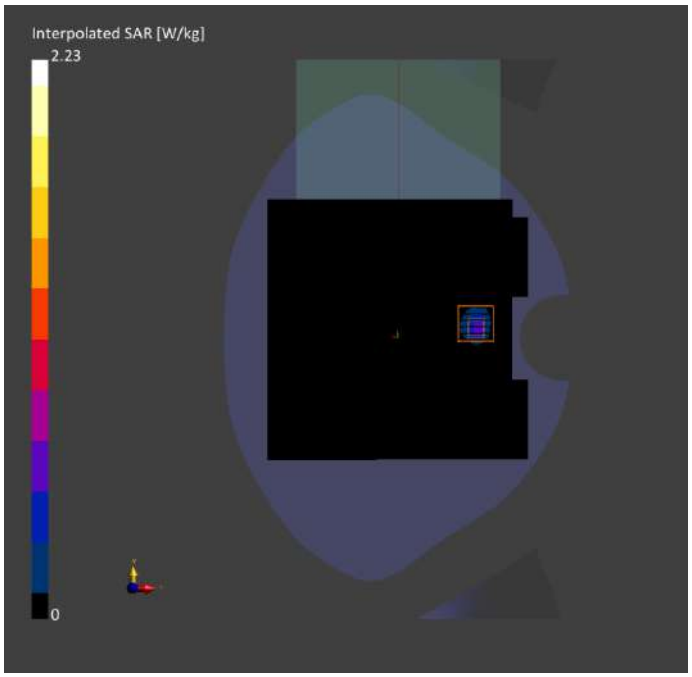
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-05-21	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn1710, 2024-01-03

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	160.0 x 160.0	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	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-05-21	2024-05-21
psSAR1g [W/kg]	0.418	0.479
psSAR10g [W/kg]	0.115	0.128
Power Drift [dB]	-0.03	0.03
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		51.8
Dist 3dB Peak [mm]		4.9


Interpolated SAR [W/kg]
2.23
0

Meas.35 Body Plane with Back Side 0mm on 106 Channel in IEEE802.11ac80 mode with Antenna 2

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
24076RP19G	210.0 x 125.0 x 9.0	Tablet

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	BACK, 0.00	WLAN 5GHz	WLAN, 10402-AAF	5530.0, 106	4.58	5.01	35.4	22.4	21.3

Hardware Setup

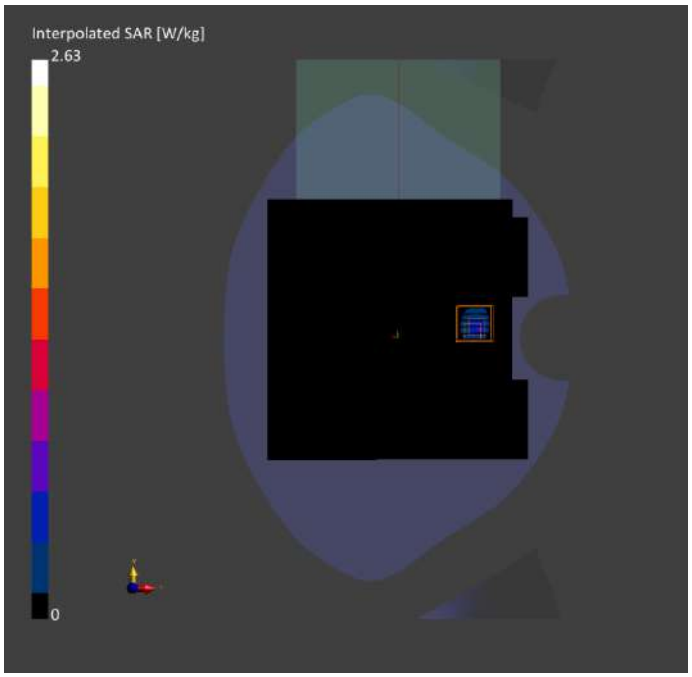
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-05-23	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn1710, 2024-01-03

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	160.0 x 160.0	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	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-05-23	2024-05-23
psSAR1g [W/kg]	0.422	0.521
psSAR10g [W/kg]	0.119	0.133
Power Drift [dB]	-0.05	0.09
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		47.2
Dist 3dB Peak [mm]		4.3


Interpolated SAR [W/kg]
2.63
0

Meas.36 Body Plane with Back Side 0mm on 155 Channel in IEEE802.11ac80 mode with Antenna 2

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
24076RP19G	210.0 x 125.0 x 9.0	Tablet

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	BACK, 0.00	WLAN 5GHz	WLAN, 10525-AAD	5775.0, 155	4.78	5.10	35.9	22.4	21.3

Hardware Setup

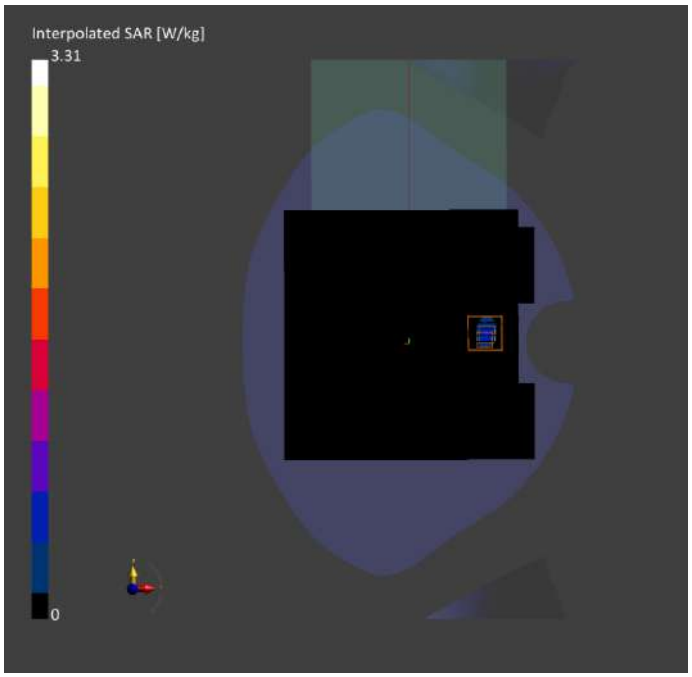
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-05-23	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn1710, 2024-01-03

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	160.0 x 160.0	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	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-05-23	2024-05-23
psSAR1g [W/kg]	0.486	0.514
psSAR10g [W/kg]	0.122	0.134
Power Drift [dB]	-0.04	0.11
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		45.5
Dist 3dB Peak [mm]		3.6


Interpolated SAR [W/kg]
3.31
0

Meas.37 Left Head with Tilt on 39 Channel in Bluetooth mode with Antenna 2

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
24076RP19G	210.0 x 125.0 x 9.0	Tablet

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	2441.0, 39	7.47	1.81	39.6	22.3	21.1

Hardware Setup

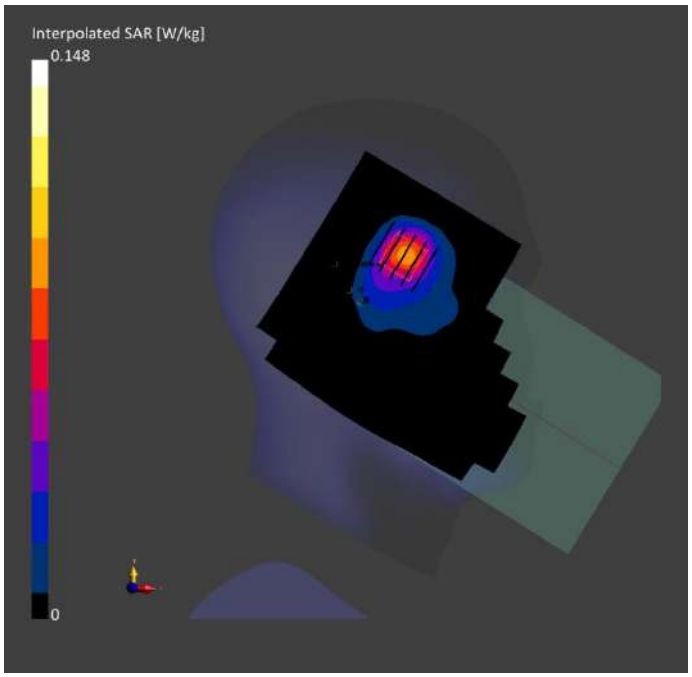
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-05-17	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn1710, 2024-01-03

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	150.0 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	2024-05-17	2024-05-17
psSAR1g [W/kg]	0.074	0.078
psSAR10g [W/kg]	0.039	0.039
Power Drift [dB]	0.10	-0.17
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		51.8
Dist 3dB Peak [mm]		11.5


Interpolated SAR [W/kg]
0.148
0

Meas.38 Body Plane with Back Side 0mm on 39 Channel in Bluetooth mode with Antenna 2

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
24076RP19G	210.0 x 125.0 x 9.0	Tablet

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	BACK, 0.00	ISM 2.4 GHz Band	Bluetooth, 10032-CAA	2441.0, 39	7.47	1.81	39.6	22.3	21.1

Hardware Setup

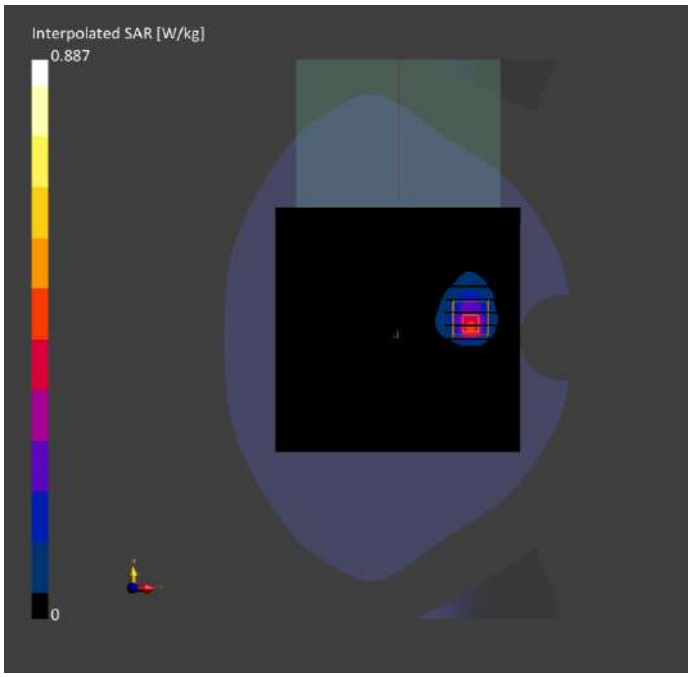
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-05-17	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn1710, 2024-01-03

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	150.0 x 150.0	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	2024-05-17	2024-05-17
psSAR1g [W/kg]	0.342	0.370
psSAR10g [W/kg]	0.147	0.141
Power Drift [dB]	0.03	-0.03
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		33.3
Dist 3dB Peak [mm]		7.2


Interpolated SAR [W/kg]
0.887
0

Meas.39 Right Head with Cheek on High Channel in WCDMA Band2 mode with Antenna 0

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
24076RP19G	210.0 x 125.0 x 9.0	Tablet

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 [℃]
RightHead, HSL	CHEEK, 0.00	Band 2	WCDMA, 10011-CAC	1907.6, 9538	7.87	1.42	39.2	22.6	21.5

Hardware Setup

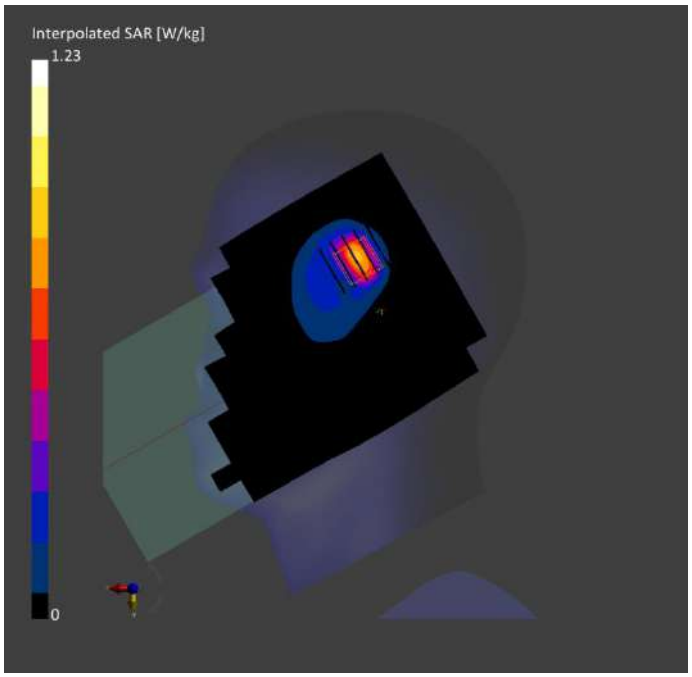
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-05-16	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn1710, 2024-01-03

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	150.0 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	2024-05-16	2024-05-16
psSAR1g [W/kg]	0.660	0.666
psSAR10g [W/kg]	0.317	0.319
Power Drift [dB]	0.01	0.02
Power Scaling Scaling Factor [dB]	Enabled	Enabled
TSL Correction	No correction	No correction
M2/M1 [%]		53.4
Dist 3dB Peak [mm]		8.0


Interpolated SAR [W/kg]
1.23
0

Meas.40 Right Head with Cheek on High Channel in WCDMA Band2 mode with Antenna 0

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
24076RP19G	210.0 x 125.0 x 9.0	Tablet

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 [℃]
RightHead, HSL	CHEEK, 0.00	Band 2	WCDMA, 10011-CAC	1907.6, 9538	7.87	1.42	39.2	22.6	21.5

Hardware Setup

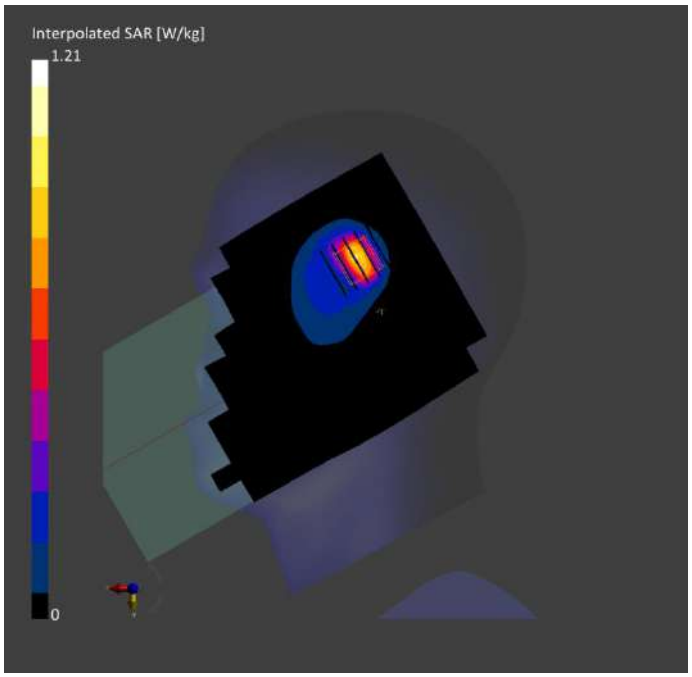
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-05-16	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn1710, 2024-01-03

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	150.0 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	2024-05-16	2024-05-16
psSAR1g [W/kg]	0.612	0.646
psSAR10g [W/kg]	0.302	0.308
Power Drift [dB]	0.02	0.01
Power Scaling Scaling Factor [dB]	Enabled	Enabled
TSL Correction	No correction	No correction
M2/M1 [%]		53.3
Dist 3dB Peak [mm]		6.4


Interpolated SAR [W/kg]
1.21
0

Meas.41 Body Plane with Back Side 0mm on High Channel in WCDMA Band4 mode with Antenna 0

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
24076RP19G	210.0 x 125.0 x 9.0	Tablet

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	BACK, 0.00	Band 4	WCDMA, 10011-CAC	1752.6, 1513	8.52	1.37	40.4	22.7	21.9

Hardware Setup

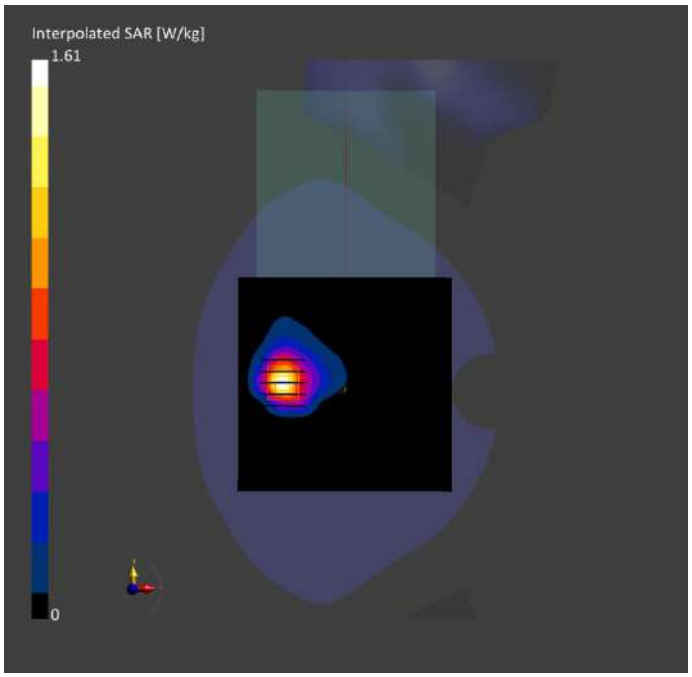
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-05-14	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn1710, 2024-01-03

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	150.0 x 150.0	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	2024-05-14	2024-05-14
psSAR1g [W/kg]	0.707	0.710
psSAR10g [W/kg]	0.363	0.346
Power Drift [dB]	0.02	-0.01
Power Scaling Scaling Factor [dB]	Enabled	Enabled
TSL Correction	No correction	No correction
M2/M1 [%]		36.7
Dist 3dB Peak [mm]		6.8


Interpolated SAR [W/kg]
1.61
0

Meas.42 Body Plane with Back Side 0mm on High Channel in WCDMA Band4 mode with Antenna 0

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
24076RP19G	210.0 x 125.0 x 9.0	Tablet

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	BACK, 0.00	Band 4	WCDMA, 10011-CAC	1752.6, 1513	8.52	1.37	40.4	22.7	21.9

Hardware Setup

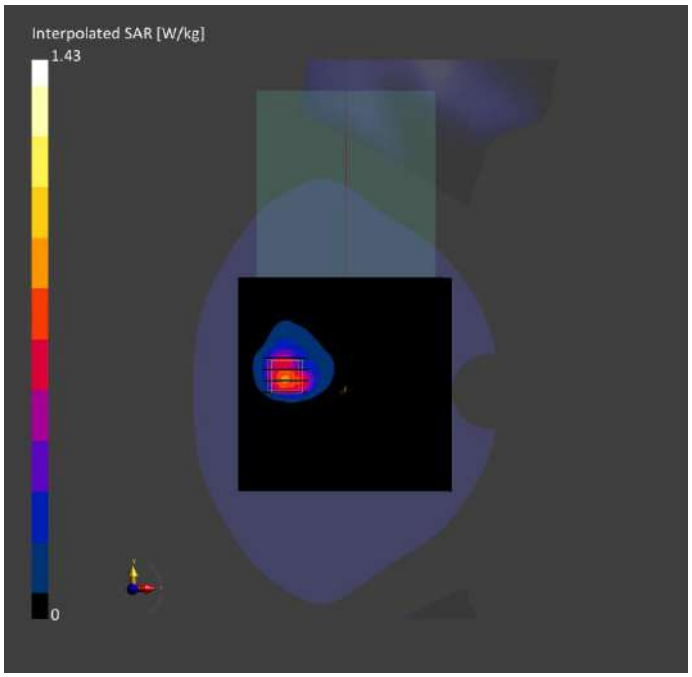
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-05-14	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn1710, 2024-01-03

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	150.0 x 150.0	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	2024-05-14	2024-05-14
psSAR1g [W/kg]	0.716	0.648
psSAR10g [W/kg]	0.382	0.314
Power Drift [dB]	-0.08	-0.07
Power Scaling Scaling Factor [dB]	Enabled	Enabled
TSL Correction	No correction	No correction
M2/M1 [%]		38.0
Dist 3dB Peak [mm]		8.0


Interpolated SAR [W/kg]
1.43
0

ANNEX D EUT EXTERNAL PHOTOS

Please refer the document “BL-SZ2440422-AW.pdf”.

ANNEX E SAR TEST SETUP PHOTOS

Please refer the document “BL-SZ2440422-AS.pdf”.

ANNEX F CALIBRATION REPORT

Please refer the document “BL-SZ2440422-AC.pdf”.

ANNEX G TUNE-UP PROCEDURE

Please refer the document “BL-SZ2440422-AT.pdf”.

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