TEST REPORT

Applicant:	INFINIX MOBILITY LIMITED
Address:	FLAT N 16/F BLOCK B UNIVERSAL INDUSTRIAL CENTRE 19-25 SHAN MEI STREET FOTAN NT HONGKONG
Equipment Type:	Mobile Phone
Model Name:	X6852
Brand Name:	Infinix
FCC ID:	2AIZN-X6852
Test Standard:	FCC 47 CFR Part 2.1093 (refer to section 3.1)
Maximum SAR:	Head (1 g@0mm): 1.16 W/kg Body-worn (1 g@10mm): 1.04 W/kg Hotspot (1 g@10mm): 1.19 W/kg Specific (10 g@0mm): 2.97 W/kg
Sample Arrival Date:	Jan. 03, 2024
Test Date:	Jan. 04, 2024 - Mar. 19, 2024
Date of Issue:	Mar. 19, 2024

ISSUED BY:

Shenzhen BALUN Technology Co., Ltd.

Tested by: Zhang Jiwei **Checked by:** Xu Rui **Approved by:** Tolan Tu

(Testing Director)

Revision History

Version	Issue Date	Revisions Content
Rev. 01	Mar. 13, 2024	Initial Issue
Rev. 02	Mar. 19, 2024	Delete Band42 3550-3600 related information and data

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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	INFINIX MOBILITY LIMITED
Address	FLAT N 16/F BLOCK B UNIVERSAL INDUSTRIAL CENTRE 19-25 SHAN MEI STREET FOTAN NT HONGKONG

2.2 Manufacturer Information

Manufacturer	INFINIX MOBILITY LIMITED
Address	FLAT N 16/F BLOCK B UNIVERSAL INDUSTRIAL CENTRE 19-25 SHAN MEI STREET FOTAN NT HONGKONG

2.3 General Description for Equipment under Test (EUT)

EUT Name	Mobile Phone
Model Name Under Test	X6852
Series Model Name	N/A
Description of Model name differentiation	N/A
Hardware Version	N/A
Software Version	N/A
Dimensions (Approx.)	N/A
Weight (Approx.)	N/A

2.4 Ancillary Equipment

Ancillary Equipment 1	Battery	
	Brand Name	N/A
	Model No.	BL-49OX
	Serial No.	N/A
	Capacity	Rated: 4900mAh/18.96Wh Typical: 5000mAhl/19.35Wh
	Rated Voltage	3.87 V
	Limit Charge Voltage	4.45 V

2.5 Technical Information

Network and Wireless connectivity	2G Network GSM/GPRS/EDGE 850/1900 3G Network WCDMA/HSDPA/HSUPA Band 2/4/5 4G Network FDD LTE Band 2/4/5/7/12/17/66 TDD LTE Band 38/41/42 5G Network SA: NR n5/n7/12/n38/n41/n66/n77/n78 NSA(EN-DC): DC_2A_n7A, DC_2A_n66A, DC_2A_n78A, DC_4A_n41A, DC_4A_n78A, DC_5A_n7A, DC_5A_n38A, DC_5A_n41A, DC_5A_n66A, DC_5A_n77A, DC_5A_n78A, DC_7A_n7A, DC_7A_n66A, DC_7A_n77A, DC_7A_n78A, DC_38A_n78A, DC_41A_n41A, DC_41A_n77A, DC_41A_n78A, DC_66A_n7A, DC_66A_n38A, DC_66A_n41A, DC_66A_n66A, DC_66A_n77A, DC_66A_n78A 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, NFC, FM receiver, WPT
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 12	TX: 699 ~ 716 MHz	RX: 729 ~ 746 MHz
	LTE Band 17	TX: 704 ~ 716 MHz	RX: 734 ~ 746 MHz
	LTE Band 38	TX: 2570 ~ 2620 MHz	RX: 2570 ~ 2620 MHz
	LTE Band 41	TX: 2496 ~ 2690 MHz	RX: 2496 ~ 2690 MHz
	LTE Band 42	TX: 3450 ~ 3550 MHz	RX: 3450 ~ 3550 MHz
	LTE Band 66	TX: 1710 ~ 1780 MHz	RX: 2110 ~ 2180 MHz
	NR n5	TX: 824 ~ 849 MHz	RX: 869 ~ 894 MHz
	NR n7	TX: 2500 ~ 2570 MHz	RX: 2620 ~ 2690 MHz

	NR n12	TX: 699 ~ 716 MHz	RX: 729 ~ 746 MHz
	NR n38	TX: 2570 ~ 2620 MHz	RX: 2570 ~ 2620 MHz
	NR n41	TX: 2496 ~ 2690 MHz	RX: 2496 ~ 2690 MHz
	NR n66	TX: 1710 ~ 1780 MHz	RX: 2110 ~ 2180 MHz
	NR n77	TX: 3450 ~ 3550 MHz	RX: 3450 ~ 3550 MHz
		TX: 3700 ~ 3980 MHz	RX: 3700 ~ 3980 MHz
	NR n78	TX: 3450 ~ 3550 MHz	RX: 3450 ~ 3550 MHz
		TX: 3700 ~ 3800 MHz	RX: 3700 ~ 3800 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	
	NFC	13.56 MHz	
Antenna Type	WWAN: PIFA Antenna WLAN: PIFA Antenna Bluetooth: PIFA Antenna NFC: Coli 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 2/3/4/5G transmitter for held-to-ear exposure conditions. 2. The device utilizes independent power reduction mechanisms for SAR compliance for the 2/3/4/5G transmitter for near to body exposure conditions. 3. The reduction power details please refer section 8.7.			

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 D05A v01r02	REL. 10 LTE SAR TEST GUIDANCE AND KDB INQUIRIES
8	KDB 941225 D06 v02r01	SAR EVALUATION PROCEDURES FOR PORTABLE DEVICES WITH WIRELESS ROUTER CAPABILITIES
9	KDB 865664 D01 v01r04	SAR Measurement 100 MHz to 6 GHz
10	KDB 865664 D02 v01r02	RF Exposure Reporting
11	KDB 648474 D04 v01r03	SAR EVALUATION CONSIDERATIONS FOR WIRELESS HANDSETS
12	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-worn (10mm)	Hotspot (10mm)	Specific (0mm)	Head (0mm)	Body-worn (10mm)	Hotspot (10mm)	Specific (0mm)
		1g SAR			10g SAR	1g SAR			10g SAR
PCE	GSM 850	0.67	0.37	0.63	/	1.16	1.04	1.19	2.97
	GSM 1900	0.90	0.37	**1.19**	/				
	WCDMA Band 2	0.83	0.54	0.92	1.97				
	WCDMA Band 4	0.75	0.38	1.03	2.00				
	WCDMA Band 5	0.63	0.16	0.39	/				
	LTE Band 2	0.82	0.28	0.82	/				
	LTE Band 4	0.77	0.36	1.04	/				
	LTE Band 5	0.64	0.15	0.26	/				
	LTE Band 7	0.24	0.27	0.43	/				
	LTE Band 12	0.35	0.14	0.15	/				
	LTE Band 17	0.34	0.15	0.20	/				
	LTE Band 38	0.21	0.19	0.30	/				
	LTE Band 41	0.67	0.49	0.98	1.95				
	LTE Band 42	0.65	0.23	0.58	/				
	LTE Band 66	0.79	0.37	1.10	/				
	NR n5	0.61	0.08	0.21	/				
	NR n7	0.57	0.21	0.96	2.20				
	NR n12	0.34	0.11	0.11	/				
	NR n38	1.05	0.39	0.66	**2.97**				
	NR n41	1.02	0.45	0.79	2.91				
	NR n66	0.84	0.31	1.00	/				
	NR n77	0.91	0.32	0.91	1.65				
	NR n78	**1.16**	0.31	0.69	1.47				
DTS	2.4G WLAN	0.90	0.11	0.24	/				
NII	5.2G WLAN	/	/	0.34	/				
	5.3G WLAN	1.08	0.39	/	0.89				
	5.6G WLAN	0.99	1.04	/	1.88				
	5.8G WLAN	1.09	**1.04**	0.41	/				
DSS	Bluetooth	0.24	0.05	0.08	/				
Limit (W/kg)		1.6			4.0	1.6			4.0
Verdict		PASS							

3.3.2 Highest Simultaneous Transmission SAR Values

Equipment Class	Maximum Scaled SAR (W/kg)			
	Head 1g (0mm)	Body-worn 1g (0mm)	Hotspot 1g (10mm)	Specific 10g (0mm)
PCE	1.27	1.21	1.45	2.63
DTS	1.27	0.59	1.20	/
NII	1.32	1.21	1.45	2.63
DSS	1.32	1.21	1.45	2.63
Limit (W/Kg)	1.60	1.60	1.60	4.00
Verdict	Pass			
Note: The highest simultaneous SAR please refer section 12.2				

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 1.19 W/kg, which is lower than 1.5 W/kg, so the extensive SAR measurement uncertainty analysis is not required in this report.
The maximum 10 g SAR for the EUT in this report is 2.97 W/kg, which is lower than 3.75 W/kg, so the extensive SAR measurement uncertainty analysis is not required in this report.

4 MEASUREMENT SYSTEM

4.1 Specific Absorption Rate (SAR) Definition

SAR is related to the rate at which energy is absorbed per unit mass in an object exposed to a radio field. The SAR distribution in a biological body is complicated and is usually carried out by experimental techniques or numerical modeling. The standard recommends limits for two tiers of groups, occupational/controlled and general population/uncontrolled, based on a person's awareness and ability to exercise control over his or her exposure. In general, occupational/controlled exposure limits are higher than the limits for general population/uncontrolled.

The SAR definition is the time derivative (rate) of the incremental energy (dW) absorbed by (dissipated in) an incremental mass (dm) contained in a volume element (dv) of a given density (ρ). The equation description is as below:

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

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

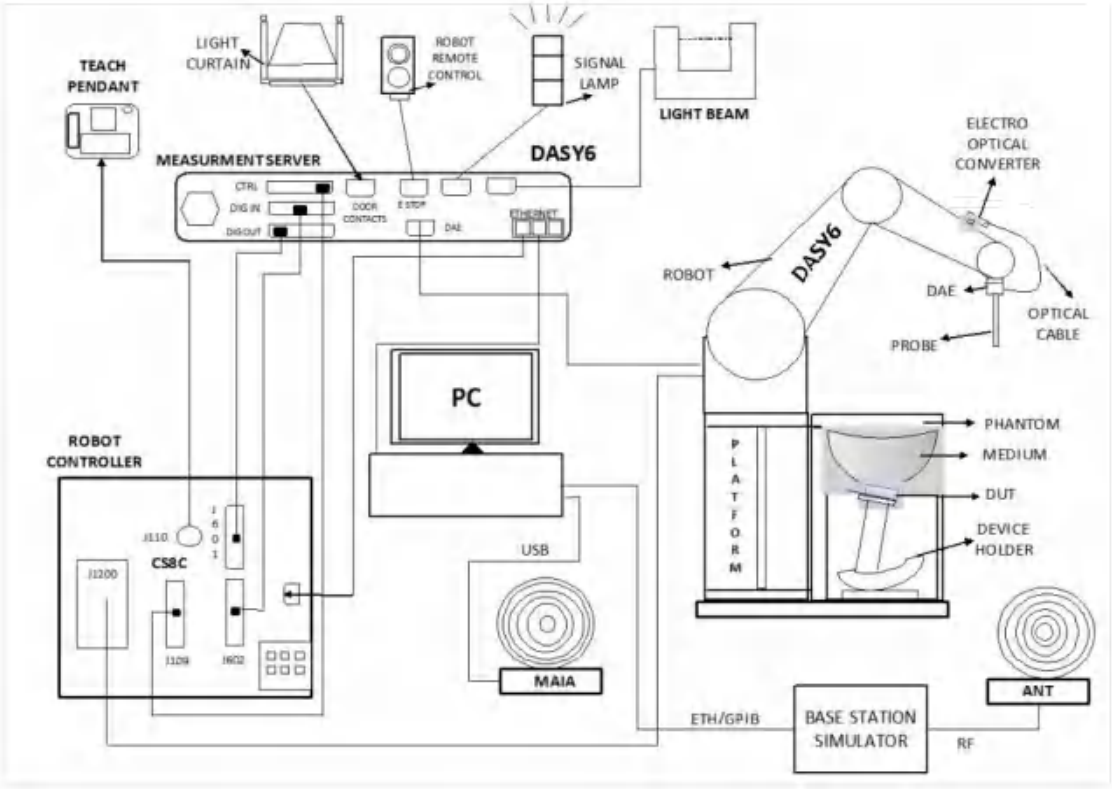
$$\mathbf{SAR} = \frac{\sigma E^2}{\rho}$$

Where: σ is the conductivity of the tissue,

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

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

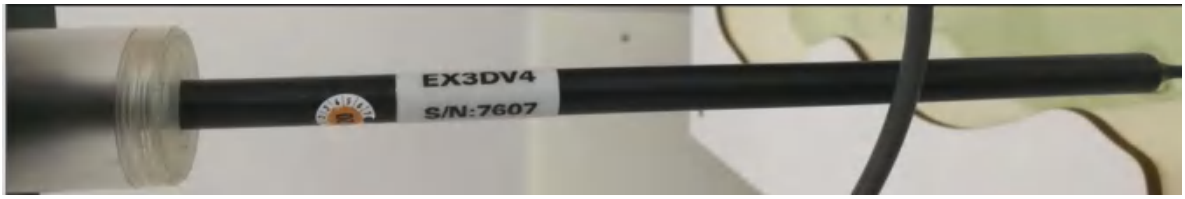
The Dasy SAR system uses the high precision robots. Symmetrical design with triangular core Built-in optical fiber for surface detection system For the 6-axis controller system, Built-in shielding against static charges PEEK enclosure material (resistant to organic solvents). The robot series have many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

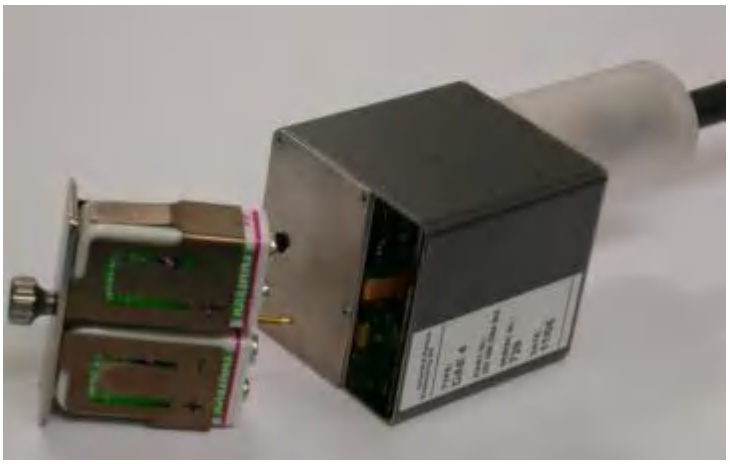


E-Field Probe Calibration Process

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.



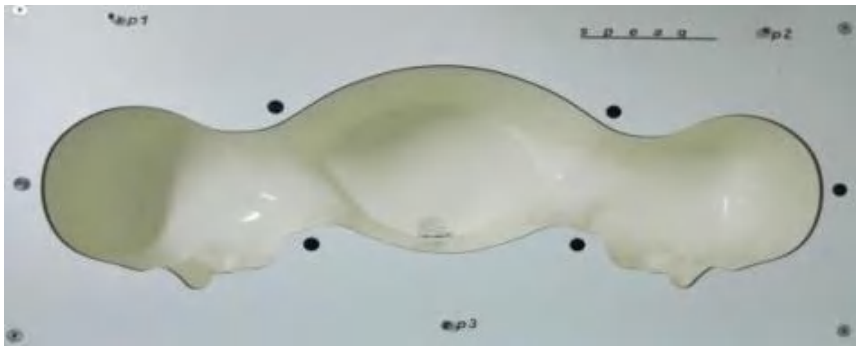
- Input Impedance: 200MOhm
- The Inputs: Symmetrical and Floating
- Commom Mode Rejection: Above 80dB

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

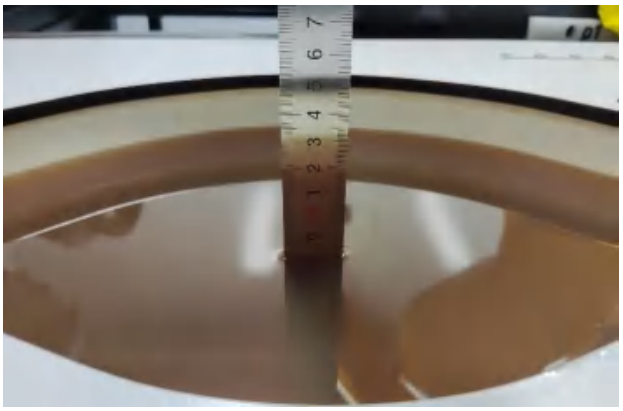
4.2.6 Device Holder

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

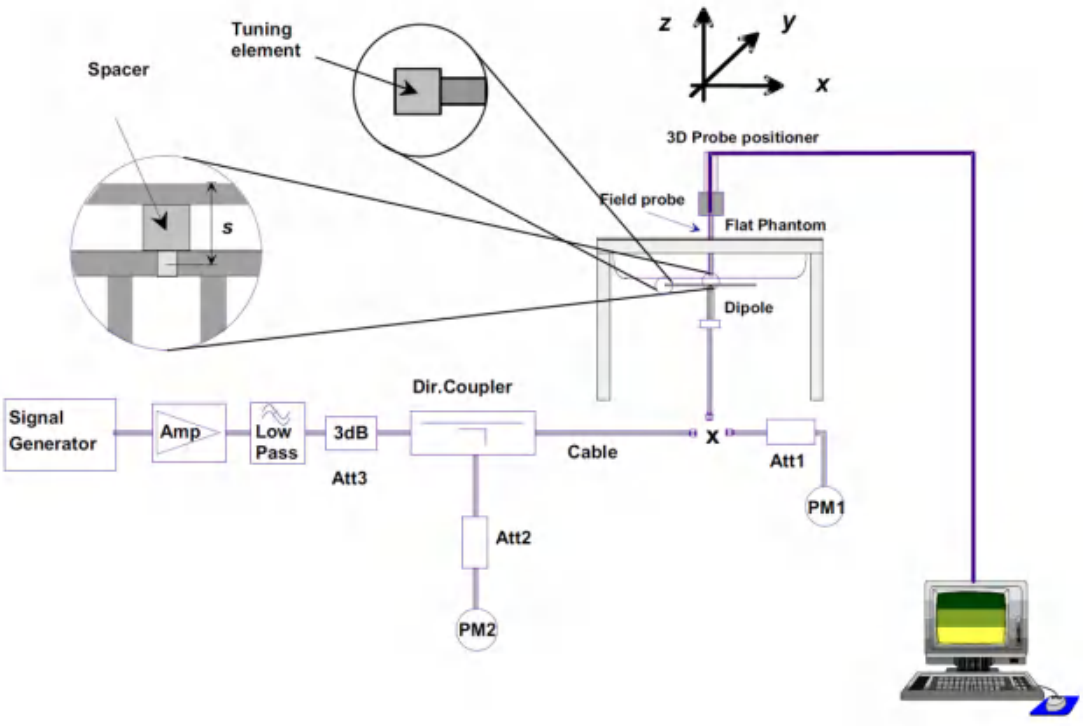
5 SYSTEM VERIFICATION

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

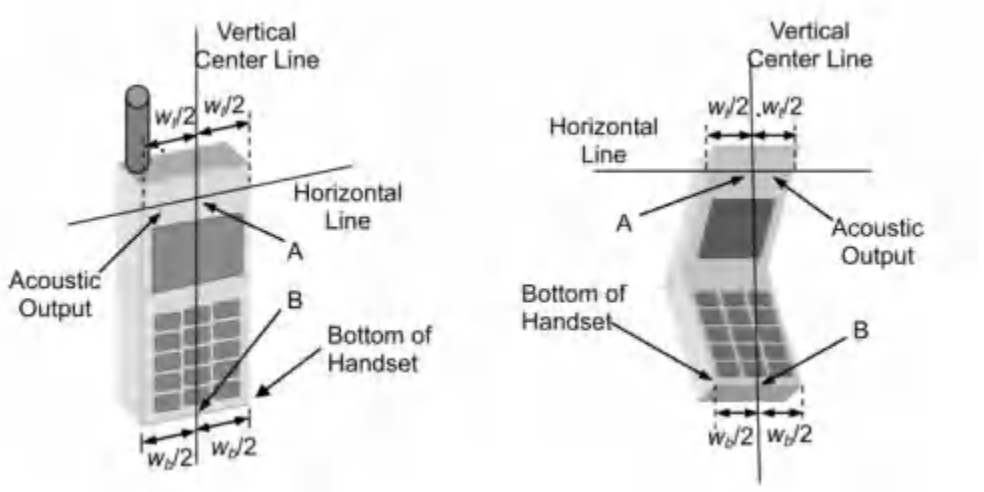
Head exposure is limited to next to the ear voice mode operations. Head SAR compliance is tested according to the test positions defined in IEEE Std 1528-2013 using the SAM phantom illustrated as below.

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.

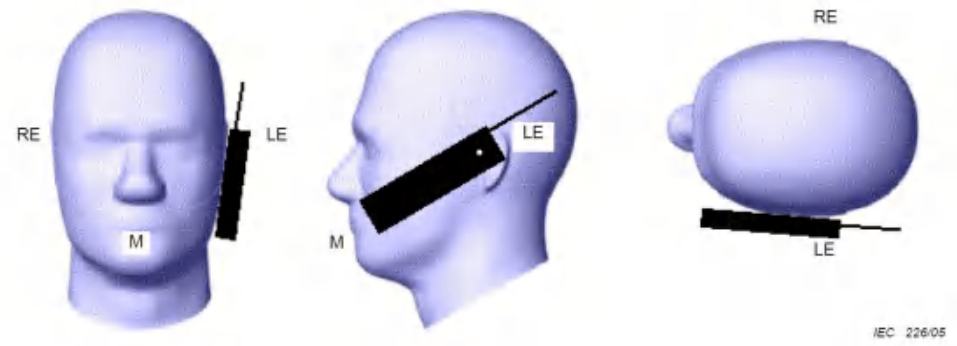
(c) The two lines intersect at point A. Note that for many handsets, point A coincides with the center of the acoustic output; however, the acoustic output may be located elsewhere on the horizontal line. Also note that the vertical center line is not necessarily parallel to the front face of the handset,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

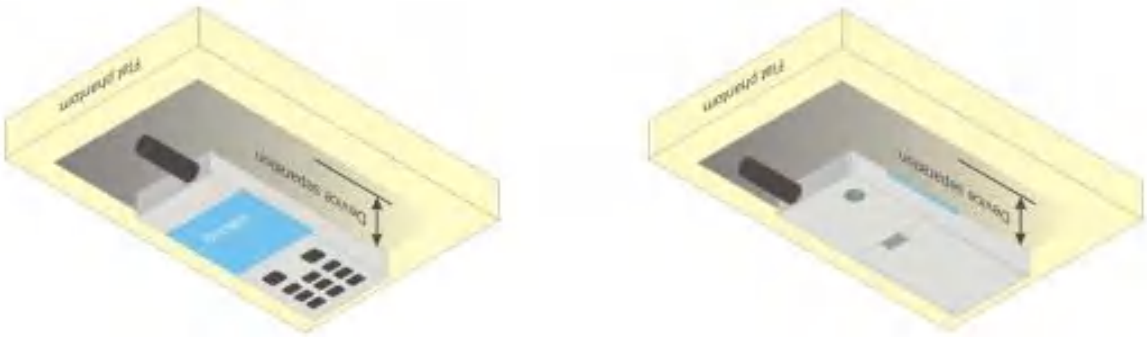
(b) While maintaining the device the reference plane described above and pivoting against the ear, moves it outward away from the mouth by an angle of 15 degrees or until contact with the ear is lost.

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.

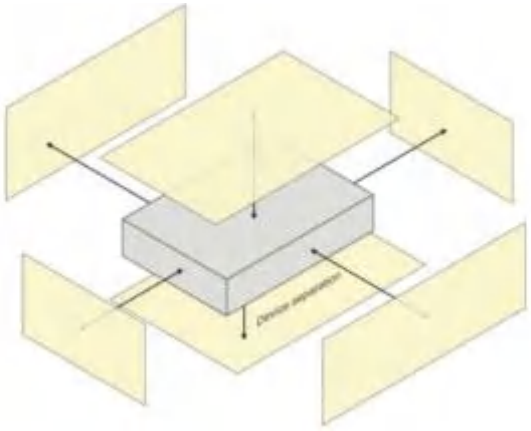
Body-worn accessories that do not contain metallic or conductive components may be tested according to worst-case exposure configurations, typically according to the smallest test separation distance required for the group of body-worn accessories with similar operating and exposure characteristics.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



6.3 Hotspot Mode Exposure Position Conditions

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



6.4 Product Specific 10g Exposure Consideration

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

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

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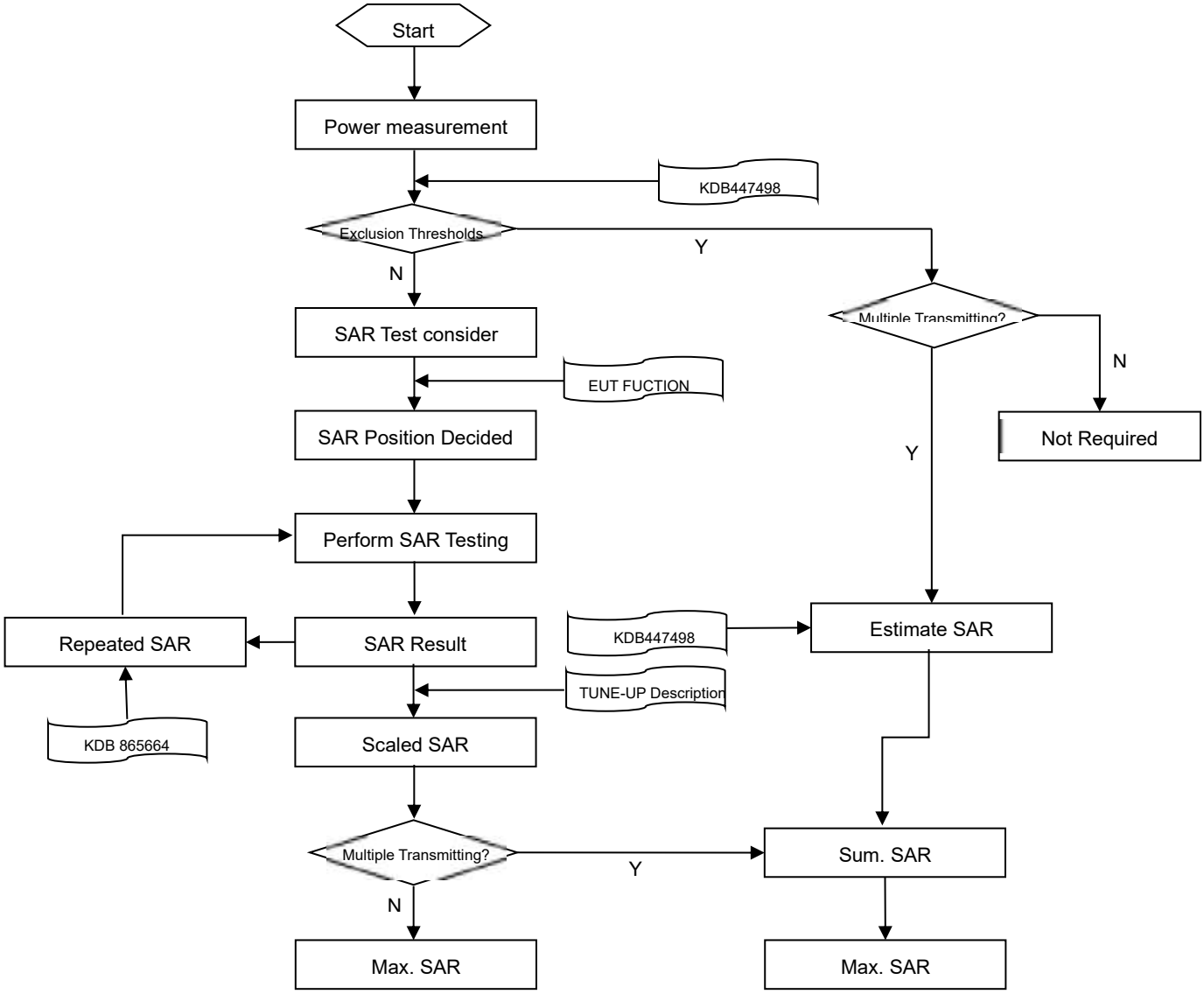
7 MEASUREMENT PROCEDURE

7.1 Measurement Process Diagram



7.2 SAR Scan General Requirement

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

<table>
<tr><td colspan="3"></td><td>≤3GHz</td><td>>3GHz</td></tr>
<tr><td colspan="3">Maximum distance from closest measurement point (geometric center of probe sensors) to phantom surface</td><td>5±1 mm</td><td>½·δ·ln(2)±0.5 mm</td></tr>
<tr><td colspan="3">Maximum probe angle from probe axis to phantom surface normal at the measurement location</td><td>30°±1°</td><td>20°±1°</td></tr>
<tr><td colspan="3" rowspan="2">Maximum area scan spatial resolution: Δx Area , Δy Area</td><td>≤ 2 GHz: ≤ 15 mm
2 – 3 GHz: ≤ 12 mm</td><td>3–4 GHz: ≤ 12 mm
4 – 6 GHz: ≤ 10 mm</td></tr>
<tr><td colspan="2">When the x or y dimension of the test device, in the measurement plane orientation, is smaller than the above, the measurement resolution must be ≤ the corresponding x or y dimension of the test device with at least one measurement point on the test device.</td></tr>
<tr><td colspan="3">Maximum zoom scan spatial resolution: Δx Zoom , Δy Zoom</td><td>≤ 2 GHz: ≤ 8 mm
2 –3 GHz: ≤ 5 mm*</td><td>3–4 GHz: ≤ 5 mm*
4 – 6 GHz: ≤ 4 mm*</td></tr>
<tr><td rowspan="7">Maximum zoom scan spatial resolution, normal to phantom surface</td><td colspan="2" rowspan="3">uniform grid: Δz Zoom (n)</td><td rowspan="3">≤ 5 mm</td><td>3–4 GHz: ≤ 4 mm</td></tr>
<tr><td>4–5 GHz: ≤ 3 mm</td></tr>
<tr><td>5–6 GHz: ≤ 2 mm</td></tr>
<tr><td rowspan="4">graded grid</td><td rowspan="2">Δz Zoom (1): between 1st two points closest to phantom surface</td><td rowspan="2">≤ 4 mm</td><td>3–4 GHz: ≤ 3 mm</td></tr>
<tr><td>4–5 GHz: ≤ 2.5 mm</td></tr>
<tr><td>5–6 GHz: ≤ 2 mm</td><td rowspan="2">≤ 1.5·Δz Zoom (n-1)</td></tr>
<tr><td>Δz Zoom (n>1): between subsequent points</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-SZ2410130-AP Power List.pdf”.

8.2 WCDMA

Please refer the document “BL-SZ2410130-AP Power List.pdf”.

8.3 LTE

Please refer the document “BL-SZ2410130-AP Power List.pdf”.

8.4 NR 5G

Please refer the document “BL-SZ2410130-AP Power List.pdf”.

8.5 WIFI

8.5.1 2.4G WLAN-Full power

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
2.4 (2.4~2.4835)	802.11b	1	2412	18.35	19.00	Yes
		6	2437	**18.91**	19.00	Yes
		11	2462	18.83	19.00	Yes
	802.11g	1	2412	17.26	18.00	No
		6	2437	17.38	18.00	No
		11	2462	17.29	18.00	No
	802.11n(HT20)	1	2412	17.41	18.00	No
		6	2437	17.25	18.00	No
		11	2462	17.56	18.00	No

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

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

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

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

Adjusted SAR = 0.898 * (63.10mW/79.43mW) = 0.713 W/Kg, so 2.4G OFDM SAR test is not required.

8.5.2 2.4G WLAN-Level1&2

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
2.4 (2.4~2.4835)	802.11b	1	2412	18.35	19.00	Yes
		6	2437	**18.91**	19.00	Yes
		11	2462	18.83	19.00	Yes
	802.11g	1	2412	17.26	18.00	No
		6	2437	17.38	18.00	No
		11	2462	17.29	18.00	No
	802.11n(HT20)	1	2412	17.41	18.00	No
		6	2437	17.25	18.00	No
		11	2462	17.56	18.00	No

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

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

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

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

Adjusted SAR = 0.898 * (63.10mW/79.43mW) = 0.713 W/Kg, so 2.4G OFDM SAR test is not required.

8.5.3 2.4G WLAN-Level3

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
2.4 (2.4~2.4835)	802.11b	1	2412	16.11	17.00	No
		6	2437	**16.31**	17.00	Yes
		11	2462	16.21	17.00	No
	802.11g	1	2412	15.29	16.00	No
		6	2437	15.29	16.00	No
		11	2462	15.13	16.00	No
	802.11n(HT20)	1	2412	15.21	16.00	No
		6	2437	15.60	16.00	No
		11	2462	15.28	16.00	No

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

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

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

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

Adjusted SAR = 0.634 * (39.81mW/50.12mW) = 0.504 W/Kg, so 2.4G OFDM SAR test is not required.

8.5.4 2.4G WLAN-Level4

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
2.4 (2.4~2.4835)	802.11b	1	2412	18.35	19.00	No
		6	2437	**18.91**	19.00	Yes
		11	2462	18.83	19.00	No
	802.11g	1	2412	17.26	18.00	No
		6	2437	17.38	18.00	No
		11	2462	17.29	18.00	No
	802.11n(HT20)	1	2412	17.41	18.00	No
		6	2437	17.25	18.00	No
		11	2462	17.56	18.00	No

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

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

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

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

Adjusted SAR = 0.240 * (63.10mW/79.43mW) = 0.191 W/Kg, so 2.4G OFDM SAR test is not required.

8.5.5 5G WLAN-Full power

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
5.2 (5.15~5.25)	802.11a	36	5180	18.20	19.00	Yes
		44	5220	18.16	19.00	Yes
		48	5240	**18.38**	19.00	Yes
	802.11n(HT20)	36	5180	17.35	18.00	No
		44	5220	17.65	18.00	No
		48	5240	17.29	18.00	No
	802.11n(HT40)	38	5190	17.00	17.50	No
		46	5230	17.09	17.50	No
	802.11ac(VHT20)	36	5180	16.21	17.00	No
		44	5220	16.58	17.00	No
		48	5240	16.45	17.00	No
	802.11ac(VHT40)	38	5190	16.39	17.00	No
		46	5230	16.57	17.00	No
	802.11ac(VHT80)	42	5210	15.74	16.50	No
5.3 (5.25~5.35)	802.11a	52	5260	18.53	19.00	Yes
		60	5300	**18.57**	19.00	Yes
		64	5320	18.56	19.00	Yes
	802.11n(HT20)	52	5260	17.64	18.00	No
		60	5300	17.17	18.00	No
		64	5320	17.63	18.00	No
	802.11n(HT40)	54	5270	16.88	17.50	No
		62	5310	16.94	17.50	No
	802.11ac(VHT20)	52	5260	16.34	17.00	No
		60	5300	16.39	17.00	No
		64	5320	16.25	17.00	No
	802.11ac(VHT40)	54	5270	16.24	17.00	No
		62	5310	16.23	17.00	No
	802.11ac(VHT80)	58	5290	15.71	16.50	No
5.6 (5.47~5.725)	802.11a	100	5500	18.23	19.00	Yes
		116	5580	18.34	19.00	Yes
		140	5700	**18.45**	19.00	Yes
	802.11n(HT20)	100	5500	17.24	18.00	No
		116	5580	17.14	18.00	No
		140	5700	17.13	18.00	No
	802.11n(HT40)	102	5510	16.68	17.50	No
		118	5550	16.68	17.50	No

		134	5670	17.02	17.50	No
	802.11ac(VHT20)	100	5500	16.09	17.00	No
		116	5580	16.45	17.00	No
		140	5700	16.11	17.00	No
	802.11ac(VHT40)	102	5510	16.45	17.00	No
		118	5550	16.27	17.00	No
		134	5670	16.62	17.00	No
	802.11ac(VHT80)	106	5530	16.11	16.50	No
		122	5610	16.13	16.50	No
		138	5690	15.77	16.50	No
5.8 (5.725~5.850)	802.11a	149	5745	**18.53**	19.00	Yes
		157	5785	18.37	19.00	Yes
		165	5825	18.13	19.00	Yes
	802.11n(HT20)	149	5745	17.53	18.00	No
		157	5785	17.19	18.00	No
		165	5825	17.56	18.00	No
	802.11n(HT40)	151	5755	16.91	17.50	No
		159	5795	16.84	17.50	No
	802.11ac(VHT20)	149	5745	16.15	17.00	No
		157	5785	16.62	17.00	No
		165	5825	16.48	17.00	No
	802.11ac(VHT40)	151	5755	16.09	17.00	No
		159	5795	16.51	17.00	No
	802.11ac(VHT80)	155	5775	16.00	16.50	No
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.						

8.5.6 5G WLAN-Level1&2

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
5.2 (5.15~5.25)	802.11a	36	5180	18.20	19.00	Yes
		44	5220	18.16	19.00	Yes
		48	5240	**18.38**	19.00	Yes
	802.11n(HT20)	36	5180	17.35	18.00	No
		44	5220	17.65	18.00	No
		48	5240	17.29	18.00	No
	802.11n(HT40)	38	5190	17.00	17.50	No
		46	5230	17.09	17.50	No
	802.11ac(VHT20)	36	5180	16.21	17.00	No
		44	5220	16.58	17.00	No
		48	5240	16.45	17.00	No
	802.11ac(VHT40)	38	5190	16.39	17.00	No
		46	5230	16.57	17.00	No
	802.11ac(VHT80)	42	5210	15.74	16.50	No
5.3 (5.25~5.35)	802.11a	52	5260	18.53	19.00	Yes
		60	5300	**18.57**	19.00	Yes
		64	5320	18.56	19.00	Yes
	802.11n(HT20)	52	5260	17.64	18.00	No
		60	5300	17.17	18.00	No
		64	5320	17.63	18.00	No
	802.11n(HT40)	54	5270	16.88	17.50	No
		62	5310	16.94	17.50	No
	802.11ac(VHT20)	52	5260	16.34	17.00	No
		60	5300	16.39	17.00	No
		64	5320	16.25	17.00	No
	802.11ac(VHT40)	54	5270	16.24	17.00	No
		62	5310	16.23	17.00	No
	802.11ac(VHT80)	58	5290	15.71	16.50	No
5.6 (5.47~5.725)	802.11a	100	5500	18.23	19.00	Yes
		116	5580	18.34	19.00	Yes
		140	5700	**18.45**	19.00	Yes
	802.11n(HT20)	100	5500	17.24	18.00	No
		116	5580	17.14	18.00	No
		140	5700	17.13	18.00	No
	802.11n(HT40)	102	5510	16.68	17.50	No
		118	5550	16.68	17.50	No

		134	5670	17.02	17.50	No
	802.11ac(VHT20)	100	5500	16.09	17.00	No
		116	5580	16.45	17.00	No
		140	5700	16.11	17.00	No
	802.11ac(VHT40)	102	5510	16.45	17.00	No
		118	5550	16.27	17.00	No
		134	5670	16.62	17.00	No
	802.11ac(VHT80)	106	5530	16.11	16.50	No
		122	5610	16.13	16.50	No
		138	5690	15.77	16.50	No
5.8 (5.725~5.850)	802.11a	149	5745	**18.53**	19.00	Yes
		157	5785	18.37	19.00	Yes
		165	5825	18.13	19.00	Yes
	802.11n(HT20)	149	5745	17.53	18.00	No
		157	5785	17.19	18.00	No
		165	5825	17.56	18.00	No
	802.11n(HT40)	151	5755	16.91	17.50	No
		159	5795	16.84	17.50	No
	802.11ac(VHT20)	149	5745	16.15	17.00	No
		157	5785	16.62	17.00	No
		165	5825	16.48	17.00	No
	802.11ac(VHT40)	151	5755	16.09	17.00	No
		159	5795	16.51	17.00	No
	802.11ac(VHT80)	155	5775	16.00	16.50	No
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.						

8.5.7 5G WLAN-Level3

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
5.2 (5.15~5.25)	802.11a	36	5180	14.11	15.00	No
		44	5220	14.62	15.00	No
		48	5240	14.42	15.00	No
	802.11n(HT20)	36	5180	13.18	14.00	No
		44	5220	13.17	14.00	No
		48	5240	13.39	14.00	No
	802.11n(HT40)	38	5190	12.76	13.50	No
		46	5230	12.66	13.50	No
	802.11ac(VHT20)	36	5180	12.37	13.00	No
		44	5220	12.14	13.00	No
		48	5240	12.34	13.00	No
	802.11ac(VHT40)	38	5190	12.14	13.00	No
		46	5230	12.13	13.00	No
	802.11ac(VHT80)	42	5210	12.14	12.50	No
5.3 (5.25~5.35)	802.11a	52	5260	14.35	15.00	No
		60	5300	**14.42**	15.00	Yes
		64	5320	14.30	15.00	No
	802.11n(HT20)	52	5260	13.29	14.00	No
		60	5300	13.17	14.00	No
		64	5320	13.44	14.00	No
	802.11n(HT40)	54	5270	12.78	13.50	No
		62	5310	12.87	13.50	No
	802.11ac(VHT20)	52	5260	12.55	13.00	No
		60	5300	12.30	13.00	No
		64	5320	12.60	13.00	No
	802.11ac(VHT40)	54	5270	12.51	13.00	No
		62	5310	12.28	13.00	No
	802.11ac(VHT80)	58	5290	12.03	12.50	No
5.6 (5.47~5.725)	802.11a	100	5500	14.21	15.00	No
		116	5580	**14.47**	15.00	Yes
		140	5700	14.09	15.00	No
	802.11n(HT20)	100	5500	13.19	14.00	No
		116	5580	13.13	14.00	No
		140	5700	13.59	14.00	No
	802.11n(HT40)	102	5510	13.01	13.50	No
		118	5550	13.04	13.50	No

		134	5670	13.00	13.50	No
	802.11ac(VHT20)	100	5500	12.64	13.00	No
		116	5580	12.36	13.00	No
		140	5700	12.61	13.00	No
	802.11ac(VHT40)	102	5510	12.46	13.00	No
		118	5550	12.57	13.00	No
		134	5670	12.40	13.00	No
	802.11ac(VHT80)	106	5530	12.02	12.50	No
		122	5610	11.59	12.50	No
		138	5690	11.68	12.50	No
5.8 (5.725~5.850)	802.11a	149	5745	**14.48**	15.00	Yes
		157	5785	14.30	15.00	No
		165	5825	14.62	15.00	No
	802.11n(HT20)	149	5745	13.45	14.00	No
		157	5785	13.19	14.00	No
		165	5825	13.38	14.00	No
	802.11n(HT40)	151	5755	13.14	13.50	No
		159	5795	13.14	13.50	No
	802.11ac(VHT20)	149	5745	12.19	13.00	No
		157	5785	12.25	13.00	No
		165	5825	12.47	13.00	No
	802.11ac(VHT40)	151	5755	12.44	13.00	No
		159	5795	12.41	13.00	No
	802.11ac(VHT80)	155	5775	11.62	12.50	No
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.						

8.5.8 5G WLAN-Level4

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
5.2 (5.15~5.25)	802.11a	36	5180	**16.44**	17.00	Yes
		44	5220	16.42	17.00	No
		48	5240	16.30	17.00	No
	802.11n(HT20)	36	5180	15.61	16.00	No
		44	5220	15.40	16.00	No
		48	5240	15.43	16.00	No
	802.11n(HT40)	38	5190	14.90	15.50	No
		46	5230	14.66	15.50	No
	802.11ac(VHT20)	36	5180	14.30	15.00	No
		44	5220	14.24	15.00	No
		48	5240	14.24	15.00	No
	802.11ac(VHT40)	38	5190	14.31	15.00	No
		46	5230	14.20	15.00	No
	802.11ac(VHT80)	42	5210	13.80	14.50	No
5.3 (5.25~5.35)	802.11a	52	5260	18.53	19.00	No
		60	5300	**18.57**	19.00	Yes
		64	5320	18.56	19.00	No
	802.11n(HT20)	52	5260	17.64	18.00	No
		60	5300	17.17	18.00	No
		64	5320	17.63	18.00	No
	802.11n(HT40)	54	5270	16.88	17.50	No
		62	5310	16.94	17.50	No
	802.11ac(VHT20)	52	5260	16.34	17.00	No
		60	5300	16.39	17.00	No
		64	5320	16.25	17.00	No
	802.11ac(VHT40)	54	5270	16.24	17.00	No
		62	5310	16.23	17.00	No
	802.11ac(VHT80)	58	5290	15.71	16.50	No
5.6 (5.47~5.725)	802.11a	100	5500	16.47	17.00	No
		116	5580	16.29	17.00	No
		140	5700	**16.60**	17.00	Yes
	802.11n(HT20)	100	5500	15.50	16.00	No
		116	5580	15.09	16.00	No
		140	5700	15.64	16.00	No
	802.11n(HT40)	102	5510	14.89	15.50	No
		118	5550	14.89	15.50	No

		134	5670	14.98	15.50	No
	802.11ac(VHT20)	100	5500	14.35	15.00	No
		116	5580	14.54	15.00	No
		140	5700	14.52	15.00	No
	802.11ac(VHT40)	102	5510	14.33	15.00	No
		118	5550	14.41	15.00	No
		134	5670	14.57	15.00	No
	802.11ac(VHT80)	106	5530	14.11	14.50	No
		122	5610	13.67	14.50	No
		138	5690	14.12	14.50	No
5.8 (5.725~5.850)	802.11a	149	5745	**14.48**	15.00	Yes
		157	5785	14.30	15.00	No
		165	5825	14.62	15.00	No
	802.11n(HT20)	149	5745	13.45	14.00	No
		157	5785	13.19	14.00	No
		165	5825	13.38	14.00	No
	802.11n(HT40)	151	5755	13.14	13.50	No
		159	5795	13.14	13.50	No
	802.11ac(VHT20)	149	5745	12.19	13.00	No
		157	5785	12.25	13.00	No
		165	5825	12.47	13.00	No
	802.11ac(VHT40)	151	5755	12.44	13.00	No
		159	5795	12.41	13.00	No
	802.11ac(VHT80)	155	5775	11.62	12.50	No
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.						

8.6 Bluetooth

Mode	GFSK			π/4-DQPSK		
Channel	0	39	78	0	39	78
Frequency (MHz)	2402	2441	2480	2402	2441	2480
Conducted Power(dBm)	12.441	**13.22**	13.18	10.54	12.45	12.05
Tune-Up Limit (dBm)	13.50	13.50	13.50	12.00	13.00	13.00
SAR Test Require	YES	YES	YES	NO	NO	NO
Mode	8-DPSK			/		
Channel	0	39	78	/	/	/
Frequency (MHz)	2402	2441	2480	/	/	/
Conducted Power(dBm)	10.48	12.35	12.04	/	/	/
Tune-Up Limit (dBm)	12.00	13.00	13.00	/	/	/
SAR Test Require	NO	NO	NO	/	/	/
Mode	BLE-1Mbps			BLE-2Mbps		
Channel	0	19	39	0	19	39
Frequency (MHz)	2402	2440	2480	2402	2440	2480
Conducted Power(dBm)	-0.21	2.04	1.51	0.13	2.16	1.87
Tune-Up Limit (dBm)	1.00	3.00	3.00	1.00	3.00	3.00
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 BT DH5 duty cycle is 76.68 % 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

8.7 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 exposure conditions will trigger the body 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 exposure.

WWAN Reduced power level table

Reduced level	Receiver state	Transmitting conditions	Antenna	Position
Level1	On (head scenario)	WWAN Use Only	Ant.0	Head
			Ant.1	
			Ant.2	
			Ant.3	
			Ant.4	
			Ant.5	
			Ant.8	
Level3	On (head scenario)	WWAN + WLAN	Ant.0	Head
			Ant.1	
			Ant.2	
			Ant.3	
			Ant.4	
			Ant.5	
			Ant.8	
Level2	Off (Body scenario)	WWAN Use Only	Ant.0	Front Side;Back Side；Left Edge;Right Edge;Top Edge;Bottom Edge
			Ant.1	
			Ant.2	
			Ant.3	
			Ant.4	
			Ant.5	
			Ant.8	
Level4	Off (Body scenario)	WWAN + WLAN	Ant.0	Front Side;Back Side；Left Edge;Right Edge;Top Edge;Bottom Edge
			Ant.1	
			Ant.2	
			Ant.3	
			Ant.4	
			Ant.5	
			Ant.8	

WWAN Antenna Power table

Mode	Antenna	WWAN Antenna							
		Full Power	Receiver on		Receiver off				
			Head		Body-worn		Hotspot	Specific	
			Standalone	Simultaneous transmission	Standalone	Simultaneous transmission	Simultaneous transmission	Standalone	Simultaneous transmission
		Off	Level1	Level3	Level2	Level4	Level4	Level2	Level4
GSM 850	Ant.4	31.50	29.00	28.00	31.50	31.50	31.50	31.50	31.50
GPRS850 1 Tx Slot	Ant.4	31.50	29.00	28.00	31.50	31.50	31.50	31.50	31.50
GPRS850 2 Tx Slot	Ant.4	30.50	28.00	27.00	30.50	30.50	30.50	30.50	30.50
GPRS850 3 Tx Slot	Ant.4	29.00	26.50	25.50	29.00	29.00	29.00	29.00	29.00
GPRS850 4 Tx Slot	Ant.4	28.00	25.50	24.50	28.00	28.00	28.00	28.00	28.00
EGPRS850 1 Tx Slot	Ant.4	25.50	23.00	22.00	25.50	25.50	25.50	25.50	25.50
EGPRS850 2 Tx Slot	Ant.4	24.50	22.00	21.00	24.50	24.50	24.50	24.50	24.50
EGPRS850 3 Tx Slot	Ant.4	22.50	20.00	19.00	22.50	22.50	22.50	22.50	22.50
EGPRS850 4 Tx Slot	Ant.4	21.00	18.50	17.50	21.00	21.00	21.00	21.00	21.00
GSM 850	Ant.0	33.00	33.00	33.00	33.00	33.00	33.00	33.00	33.00
GPRS850 1 Tx Slot	Ant.0	33.00	33.00	33.00	33.00	33.00	33.00	33.00	33.00
GPRS850 2 Tx Slot	Ant.0	32.00	32.00	32.00	32.00	32.00	32.00	32.00	32.00
GPRS850 3 Tx Slot	Ant.0	30.50	30.50	30.50	30.50	30.50	30.50	30.50	30.50
GPRS850 4 Tx Slot	Ant.0	29.50	29.50	29.50	29.50	29.50	29.50	29.50	29.50
EGPRS850 1 Tx Slot	Ant.0	27.00	27.00	27.00	27.00	27.00	27.00	27.00	27.00
EGPRS850 2 Tx Slot	Ant.0	26.00	26.00	26.00	26.00	26.00	26.00	26.00	26.00
EGPRS850 3 Tx Slot	Ant.0	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00
EGPRS850 4 Tx Slot	Ant.0	22.50	22.50	22.50	22.50	22.50	22.50	22.50	22.50
GSM1900	Ant.4	27.50	24.50	23.50	27.50	27.50	27.50	27.50	27.50
GPRS1900 1 Tx Slot	Ant.4	27.50	24.50	23.50	27.50	27.50	27.50	27.50	27.50
GPRS1900 2 Tx Slot	Ant.4	26.50	23.50	22.50	26.50	26.50	26.50	26.50	26.50
GPRS1900 3 Tx Slot	Ant.4	25.00	22.00	21.00	25.00	25.00	25.00	25.00	25.00
GPRS1900 4 Tx Slot	Ant.4	24.00	21.00	20.00	24.00	24.00	24.00	24.00	24.00
EGPRS1900 1 Tx Slot	Ant.4	23.50	20.50	19.50	23.50	23.50	23.50	23.50	23.50
EGPRS1900 2 Tx Slot	Ant.4	22.00	19.00	18.00	22.00	22.00	22.00	22.00	22.00
EGPRS1900 3 Tx Slot	Ant.4	20.00	17.00	16.00	20.00	20.00	20.00	20.00	20.00
EGPRS1900 4 Tx Slot	Ant.4	18.50	15.50	14.50	18.50	18.50	18.50	18.50	18.50
GSM1900	Ant.0	29.50	29.50	29.50	29.50	29.50	29.50	29.50	29.50
GPRS1900 1 Tx Slot	Ant.0	29.50	29.50	29.50	29.50	29.50	29.50	29.50	29.50
GPRS1900 2 Tx Slot	Ant.0	28.50	28.50	28.50	28.50	28.50	28.50	28.50	28.50
GPRS1900 3 Tx Slot	Ant.0	27.00	27.00	27.00	27.00	27.00	27.00	27.00	27.00
GPRS1900 4 Tx Slot	Ant.0	26.00	26.00	26.00	26.00	26.00	26.00	26.00	26.00
EGPRS1900 1 Tx Slot	Ant.0	26.00	26.00	26.00	26.00	26.00	26.00	26.00	26.00
EGPRS1900 2 Tx Slot	Ant.0	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00
EGPRS1900 3 Tx Slot	Ant.0	22.50	22.50	22.50	22.50	22.50	22.50	22.50	22.50
EGPRS1900 4 Tx Slot	Ant.0	21.00	21.00	21.00	21.00	21.00	21.00	21.00	21.00

WCDMA Band2 RMC	Ant.4	21.50	17.00	16.00	21.50	20.50	20.50	21.50	20.50
WCDMA Band2 AMR	Ant.4	21.50	17.00	16.00	21.50	20.50	20.50	21.50	20.50
HSDPA Subtest-1	Ant.4	21.50	17.00	16.00	21.50	20.50	20.50	21.50	20.50
HSDPA Subtest-2	Ant.4	21.50	17.00	16.00	21.50	20.50	20.50	21.50	20.50
HSDPA Subtest-3	Ant.4	21.00	16.50	15.50	21.00	20.00	20.00	21.00	20.00
HSDPA Subtest-4	Ant.4	21.00	16.50	15.50	21.00	20.00	20.00	21.00	20.00
DC-HSDPA Subtest-1	Ant.4	21.50	17.00	16.00	21.50	20.50	20.50	21.50	20.50
DC-HSDPA Subtest-2	Ant.4	21.50	17.00	16.00	21.50	20.50	20.50	21.50	20.50
DC-HSDPA Subtest-3	Ant.4	21.00	16.50	15.50	21.00	20.00	20.00	21.00	20.00
DC-HSDPA Subtest-4	Ant.4	21.00	16.50	15.50	21.00	20.00	20.00	21.00	20.00
HSUPA Subtest-1	Ant.4	19.50	15.00	14.00	19.50	18.50	18.50	19.50	18.50
HSUPA Subtest-2	Ant.4	19.50	15.00	14.00	19.50	18.50	18.50	19.50	18.50
HSUPA Subtest-3	Ant.4	19.50	15.00	14.00	19.50	18.50	18.50	19.50	18.50
HSUPA Subtest-4	Ant.4	19.00	14.50	13.50	19.00	18.00	18.00	19.00	18.00
HSUPA Subtest-5	Ant.4	20.50	16.00	15.00	20.50	19.50	19.50	20.50	19.50
WCDMA Band2 RMC	Ant.0	23.00	23.00	23.00	23.00	20.00	20.00	23.00	20.00
WCDMA Band2 AMR	Ant.0	23.00	23.00	23.00	23.00	20.00	20.00	23.00	20.00
HSDPA Subtest-1	Ant.0	23.00	23.00	23.00	23.00	20.00	20.00	23.00	20.00
HSDPA Subtest-2	Ant.0	23.00	23.00	23.00	23.00	20.00	20.00	23.00	20.00
HSDPA Subtest-3	Ant.0	22.50	22.50	22.50	22.50	19.50	19.50	22.50	19.50
HSDPA Subtest-4	Ant.0	22.50	22.50	22.50	22.50	19.50	19.50	22.50	19.50
DC-HSDPA Subtest-1	Ant.0	23.00	23.00	23.00	23.00	20.00	20.00	23.00	20.00
DC-HSDPA Subtest-2	Ant.0	23.00	23.00	23.00	23.00	20.00	20.00	23.00	20.00
DC-HSDPA Subtest-3	Ant.0	22.50	22.50	22.50	22.50	19.50	19.50	22.50	19.50
DC-HSDPA Subtest-4	Ant.0	22.50	22.50	22.50	22.50	19.50	19.50	22.50	19.50
HSUPA Subtest-1	Ant.0	22.50	22.50	22.50	22.50	19.50	19.50	22.50	19.50
HSUPA Subtest-2	Ant.0	21.00	21.00	21.00	21.00	18.00	18.00	21.00	18.00
HSUPA Subtest-3	Ant.0	21.00	21.00	21.00	21.00	18.00	18.00	21.00	18.00
HSUPA Subtest-4	Ant.0	20.50	20.50	20.50	20.50	17.50	17.50	20.50	17.50
HSUPA Subtest-5	Ant.0	22.00	22.00	22.00	22.00	19.00	19.00	22.00	19.00
WCDMA Band4 RMC	Ant.4	21.00	18.50	17.50	21.00	21.00	21.00	21.00	21.00
WCDMA Band4 AMR	Ant.4	21.00	18.50	17.50	21.00	21.00	21.00	21.00	21.00
HSDPA Subtest-1	Ant.4	21.00	18.50	17.50	21.00	21.00	21.00	21.00	21.00
HSDPA Subtest-2	Ant.4	21.00	18.50	17.50	21.00	21.00	21.00	21.00	21.00
HSDPA Subtest-3	Ant.4	20.50	18.00	17.00	20.50	20.50	20.50	20.50	20.50
HSDPA Subtest-4	Ant.4	20.50	18.00	17.00	20.50	20.50	20.50	20.50	20.50
DC-HSDPA Subtest-1	Ant.4	21.00	18.50	17.50	21.00	21.00	21.00	21.00	21.00
DC-HSDPA Subtest-2	Ant.4	21.00	18.50	17.50	21.00	21.00	21.00	21.00	21.00
DC-HSDPA Subtest-3	Ant.4	20.50	18.00	17.00	20.50	20.50	20.50	20.50	20.50
DC-HSDPA Subtest-4	Ant.4	20.50	18.00	17.00	20.50	20.50	20.50	20.50	20.50
HSUPA Subtest-1	Ant.4	19.00	16.50	15.50	19.00	19.00	19.00	19.00	19.00
HSUPA Subtest-2	Ant.4	19.00	16.50	15.50	19.00	19.00	19.00	19.00	19.00
HSUPA Subtest-3	Ant.4	19.00	16.50	15.50	19.00	19.00	19.00	19.00	19.00

HSUPA Subtest-4	Ant.4	18.50	16.00	15.00	18.50	18.50	18.50	18.50	18.50
HSUPA Subtest-5	Ant.4	20.00	17.50	16.50	20.00	20.00	20.00	20.00	20.00
WCDMA Band4 RMC	Ant.0	23.00	23.00	23.00	23.00	22.00	22.00	23.00	22.00
WCDMA Band4 AMR	Ant.0	23.00	23.00	23.00	23.00	22.00	22.00	23.00	22.00
HSDPA Subtest-1	Ant.0	23.00	23.00	23.00	23.00	22.00	22.00	23.00	22.00
HSDPA Subtest-2	Ant.0	23.00	23.00	23.00	23.00	22.00	22.00	23.00	22.00
HSDPA Subtest-3	Ant.0	22.50	22.50	22.50	22.50	21.50	21.50	22.50	21.50
HSDPA Subtest-4	Ant.0	22.50	22.50	22.50	22.50	21.50	21.50	22.50	21.50
DC-HSDPA Subtest-1	Ant.0	23.00	23.00	23.00	23.00	22.00	22.00	23.00	22.00
DC-HSDPA Subtest-2	Ant.0	23.00	23.00	23.00	23.00	22.00	22.00	23.00	22.00
DC-HSDPA Subtest-3	Ant.0	22.50	22.50	22.50	22.50	21.50	21.50	22.50	21.50
DC-HSDPA Subtest-4	Ant.0	22.50	22.50	22.50	22.50	21.50	21.50	22.50	21.50
HSUPA Subtest-1	Ant.0	21.00	21.00	21.00	21.00	20.00	20.00	21.00	20.00
HSUPA Subtest-2	Ant.0	21.00	21.00	21.00	21.00	20.00	20.00	21.00	20.00
HSUPA Subtest-3	Ant.0	21.00	21.00	21.00	21.00	20.00	20.00	21.00	20.00
HSUPA Subtest-4	Ant.0	20.50	20.50	20.50	20.50	19.50	19.50	20.50	19.50
HSUPA Subtest-5	Ant.0	22.00	22.00	22.00	22.00	21.00	21.00	22.00	21.00
WCDMA Band5 RMC	Ant.4	22.00	22.00	22.00	22.00	22.00	22.00	22.00	22.00
WCDMA Band5 AMR	Ant.4	22.00	22.00	22.00	22.00	22.00	22.00	22.00	22.00
HSDPA Subtest-1	Ant.4	22.00	22.00	22.00	22.00	22.00	22.00	22.00	22.00
HSDPA Subtest-2	Ant.4	22.00	22.00	22.00	22.00	22.00	22.00	22.00	22.00
HSDPA Subtest-3	Ant.4	21.50	21.50	21.50	21.50	21.50	21.50	21.50	21.50
HSDPA Subtest-4	Ant.4	21.50	21.50	21.50	21.50	21.50	21.50	21.50	21.50
DC-HSDPA Subtest-1	Ant.4	22.00	22.00	22.00	22.00	22.00	22.00	22.00	22.00
DC-HSDPA Subtest-2	Ant.4	22.00	22.00	22.00	22.00	22.00	22.00	22.00	22.00
DC-HSDPA Subtest-3	Ant.4	21.50	21.50	21.50	21.50	21.50	21.50	21.50	21.50
DC-HSDPA Subtest-4	Ant.4	21.50	21.50	21.50	21.50	21.50	21.50	21.50	21.50
HSUPA Subtest-1	Ant.4	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00
HSUPA Subtest-2	Ant.4	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00
HSUPA Subtest-3	Ant.4	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00
HSUPA Subtest-4	Ant.4	19.50	19.50	19.50	19.50	19.50	19.50	19.50	19.50
HSUPA Subtest-5	Ant.4	21.00	21.00	21.00	21.00	21.00	21.00	21.00	21.00
WCDMA Band5 RMC	Ant.0	23.50	23.50	23.50	23.50	23.50	23.50	23.50	23.50
WCDMA Band5 AMR	Ant.0	23.50	23.50	23.50	23.50	23.50	23.50	23.50	23.50
HSDPA Subtest-1	Ant.0	23.50	23.50	23.50	23.50	23.50	23.50	23.50	23.50
HSDPA Subtest-2	Ant.0	23.50	23.50	23.50	23.50	23.50	23.50	23.50	23.50
HSDPA Subtest-3	Ant.0	23.00	23.00	23.00	23.00	23.00	23.00	23.00	23.00
HSDPA Subtest-4	Ant.0	23.00	23.00	23.00	23.00	23.00	23.00	23.00	23.00
DC-HSDPA Subtest-1	Ant.0	23.50	23.50	23.50	23.50	23.50	23.50	23.50	23.50
DC-HSDPA Subtest-2	Ant.0	23.50	23.50	23.50	23.50	23.50	23.50	23.50	23.50
DC-HSDPA Subtest-3	Ant.0	23.00	23.00	23.00	23.00	23.00	23.00	23.00	23.00
DC-HSDPA Subtest-4	Ant.0	23.00	23.00	23.00	23.00	23.00	23.00	23.00	23.00
HSUPA Subtest-1	Ant.0	21.50	21.50	21.50	21.50	21.50	21.50	21.50	21.50

HSUPA Subtest-2	Ant.0	21.50	21.50	21.50	21.50	21.50	21.50	21.50	21.50
HSUPA Subtest-3	Ant.0	21.50	21.50	21.50	21.50	21.50	21.50	21.50	21.50
HSUPA Subtest-4	Ant.0	21.00	21.00	21.00	21.00	21.00	21.00	21.00	21.00
HSUPA Subtest-5	Ant.0	22.50	22.50	22.50	22.50	22.50	22.50	22.50	22.50
LTE Band2	Ant.4	21.00	17.00	16.00	21.00	21.00	21.00	21.00	21.00
LTE Band2	Ant.0	23.00	23.00	23.00	23.00	20.00	20.00	23.00	20.00
LTE Band4	Ant.4	19.50	17.00	16.00	19.50	19.50	19.50	19.50	19.50
LTE Band4	Ant.0	23.00	23.00	23.00	23.00	23.00	23.00	23.00	23.00
LTE Band5	Ant.4	21.50	21.50	21.50	21.50	21.50	21.50	21.50	21.50
LTE Band5	Ant.0	23.00	23.00	23.00	23.00	23.00	23.00	23.00	23.00
LTE Band7	Ant.1	23.00	23.00	23.00	23.00	23.00	23.00	23.00	23.00
LTE Band12	Ant.4	22.50	22.50	22.50	22.50	22.50	22.50	22.50	22.50
LTE Band12	Ant.0	22.50	22.50	22.50	22.50	22.50	22.50	22.50	22.50
LTE Band17	Ant.4	22.50	22.50	22.50	22.50	22.50	22.50	22.50	22.50
LTE Band17	Ant.0	23.00	23.00	23.00	23.00	23.00	23.00	23.00	23.00
LTE Band66	Ant.4	19.50	17.00	16.00	19.50	19.50	19.50	19.50	19.50
LTE Band66	Ant.0	23.00	23.00	23.00	23.00	23.00	23.00	23.00	23.00
LTE Band38	Ant.1	23.50	23.50	23.50	23.50	23.50	23.50	23.50	23.50
LTE Band41	Ant.4	25.50	20.00	19.00	23.50	21.50	21.50	23.50	21.50
LTE Band42	Ant.5	23.00	19.00	18.00	23.00	23.00	23.00	23.00	23.00
N5	Ant.4	21.00	21.00	21.00	21.00	21.00	21.00	21.00	21.00
N5	Ant.0	23.00	23.00	23.00	23.00	23.00	23.00	23.00	23.00
N7	Ant.1	23.00	23.00	23.00	23.00	23.00	23.00	23.00	23.00
N12	Ant.4	22.50	22.50	22.50	22.50	22.50	22.50	22.50	22.50
N12	Ant.0	23.00	23.00	23.00	23.00	23.00	23.00	23.00	23.00
N66	Ant.4	20.50	19.00	18.00	20.50	20.50	20.50	20.50	20.50
N66	Ant.0	23.00	23.00	23.00	23.00	23.00	23.00	23.00	23.00
N38	Ant.4	23.50	17.00	16.00	22.50	19.00	19.00	22.50	19.00
N38	Ant.1	20.50	20.50	20.50	20.50	20.50	20.50	20.50	20.50
N41	Ant.4	26.50	18.00	17.00	23.50	20.50	20.50	23.50	20.50
N41	Ant.1	26.00	26.00	26.00	26.00	26.00	26.00	26.00	26.00
N77	Ant.5	25.50	18.50	17.50	25.50	25.50	25.50	25.50	25.50
N77	Ant.2	23.00	20.50	19.50	19.50	18.50	18.50	19.50	18.50
N77	Ant.3	22.50	16.50	15.50	22.50	22.50	22.50	22.50	22.50
N77	Ant.8	24.50	23.00	22.00	24.50	24.50	24.50	24.50	24.50
N78	Ant.5	25.50	18.50	17.50	25.50	25.50	25.50	25.50	25.50
N78	Ant.2	22.50	20.00	19.00	19.00	18.00	18.00	19.00	18.00
N78	Ant.3	22.50	16.50	15.50	22.50	22.50	22.50	22.50	22.50
N78	Ant.8	24.50	23.00	22.00	24.50	24.50	24.50	24.50	24.50

EN-DC Configurations	E-UTRA	NR	Antenna Configurations
	Band	Band	1
2A+n7A	LTE Band2	n7	LTE Ant.0
			nr Ant.4
5A+n7A	LTE Band5	n7	LTE Ant.0
			nr Ant.4
7A+n7A	LTE Band7	n7	LTE Ant.1
			nr Ant.4
66A+n7A	LTE Band66	n7	LTE Ant.0
			nr Ant.4
5A+n38A	LTE Band5	n38	LTE Ant.0
			nr Ant.4
66A+n38A	LTE Band66	n38	LTE Ant.0
			nr Ant.4
4A+n41A	LTE Band4	n41	LTE Ant.0
			nr Ant.4
5A+n41A	LTE Band5	n41	LTE Ant.0
			nr Ant.4
41A+n41A	LTE Band41	n41	LTE Ant.1
			nr Ant.4
66A+n41A	LTE Band66	n41	LTE Ant.0
			nr Ant.4
2A+n66A	LTE Band2	n66	LTE Ant.0
			nr Ant.4
5A+n66A	LTE Band5	n66	LTE Ant.0
			nr Ant.4
7A+n66A	LTE Band7	n66	LTE Ant.1
			nr Ant.4
66A+n66A	LTE Band66	n66	LTE Ant.0
			nr Ant.4
5A+n77A	LTE Band5	n77	LTE Ant.0
			nr Ant.5
7A+n77A	LTE Band7	n77	LTE Ant.1
			nr Ant.5
41A+n77A	LTE Band41	n77	LTE Ant.1
			nr Ant.5
66A+n77A	LTE Band66	n77	LTE Ant.0
			nr Ant.5
2A+n78A	LTE Band2	n78	LTE Ant.0
			nr Ant.5
4A+n78A	LTE Band4	n78	LTE Ant.0
			nr Ant.5

5A+n78A	LTE Band5	n78	LTE Ant.0
			nr Ant.5
7A+n78A	LTE Band7	n78	LTE Ant.1
			nr Ant.5
38A+n78A	LTE Band38	n78	LTE Ant.1
			nr Ant.5
41A+n78A	LTE Band41	n78	LTE Ant.1
			nr Ant.5
66A+n78A	LTE Band66	n78	LTE Ant.0
			nr Ant.5

Mode	Band	Antenna	WWAN Antenna							
			Full Power	Receiver on		Receiver off				
				Head		Body-worn		Hotspot	Specific	
				Standalone	Simultaneous transmission	Standalone	Simultaneous transmission	Simultaneous transmission	Standalone	Simultaneous transmission
			Off	Level1	Level3	Level2	Level4	Level4	Level2	Level4
DC_2A+n7A	n7	Ant.4	24.00	18.00	17.00	21.00	19.00	19.00	21.00	19.00
	LTE Band2	Ant.0	23.00	23.00	23.00	22.00	20.00	20.00	22.00	20.00
DC_5A+n7A	n7	Ant.4	24.00	18.00	17.00	21.00	19.00	19.00	21.00	19.00
	LTE Band5	Ant.0	23.00	23.00	23.00	23.00	23.00	23.00	23.00	23.00
DC_7A+n7A	n7	Ant.4	24.00	18.00	17.00	21.00	19.00	19.00	21.00	19.00
	LTE Band7	Ant.1	23.00	23.00	23.00	23.00	23.00	23.00	23.00	23.00
DC_66A+n7A	n7	Ant.4	24.00	18.00	17.00	21.00	19.00	19.00	21.00	19.00
	LTE Band66	Ant.0	23.00	23.00	23.00	23.00	21.50	21.50	23.00	21.50
DC_5A+n38A	n38	Ant.4	23.50	16.00	15.00	21.50	19.00	19.00	21.50	19.00
	LTE Band5	Ant.0	23.00	23.00	23.00	23.00	23.00	23.00	23.00	23.00
DC_66A+n38A	n38	Ant.4	23.50	16.00	15.00	21.50	19.00	19.00	21.50	19.00
	LTE Band66	Ant.0	23.00	23.00	23.00	23.00	21.50	21.50	23.00	21.50
DC_4A+n41A	n41	Ant.4	26.50	18.00	17.00	23.50	20.50	20.50	23.50	20.50
	LTE Band4	Ant.0	23.00	23.00	23.00	23.00	21.50	21.50	23.00	21.50
DC_5A+n41A	n41	Ant.4	26.50	18.00	17.00	23.50	20.50	20.50	23.50	20.50
	LTE Band5	Ant.0	23.00	23.00	23.00	23.00	23.00	23.00	23.00	23.00
DC_41A+n41A	n41	Ant.4	26.50	18.00	17.00	23.50	20.50	20.50	23.50	20.50
	LTE Band41	Ant.1	25.50	25.50	25.50	25.50	25.50	25.50	25.50	25.50
DC_66A+n41A	n41	Ant.4	26.50	18.00	17.00	23.50	20.50	20.50	23.50	20.50
	LTE Band66	Ant.0	23.00	23.00	23.00	23.00	21.50	21.50	23.00	21.50
DC_2A+n66A	n66	Ant.4	20.50	18.50	17.50	20.50	20.50	20.50	20.50	20.50
	LTE Band2	Ant.0	23.00	23.00	23.00	22.00	20.00	20.00	22.00	20.00
DC_5A+n66A	n66	Ant.4	20.50	18.50	17.50	20.50	20.50	20.50	20.50	20.50
	LTE Band5	Ant.0	23.00	23.00	23.00	23.00	23.00	23.00	23.00	23.00
DC_7A+n66A	n66	Ant.4	20.50	18.50	17.50	20.50	20.50	20.50	20.50	20.50
	LTE Band7	Ant.1	23.00	23.00	23.00	23.00	23.00	23.00	23.00	23.00

DC_66A+n66A	n66	Ant.4	20.50	18.50	17.50	20.50	20.50	20.50	20.50	20.50
	LTE Band66	Ant.0	23.00	23.00	23.00	23.00	21.50	21.50	23.00	21.50
DC_5A+n77A	n77	Ant.5	25.50	17.00	16.00	24.50	23.50	23.50	24.50	23.50
	LTE Band5	Ant.0	23.00	23.00	23.00	23.00	23.00	23.00	23.00	23.00
DC_7A+n77A	n77	Ant.5	25.50	17.00	16.00	24.50	23.50	23.50	24.50	23.50
	LTE Band7	Ant.1	23.00	23.00	23.00	23.00	23.00	23.00	23.00	23.00
DC_41A+n77A	n77	Ant.5	25.50	17.00	16.00	24.50	23.50	23.50	24.50	23.50
	LTE Band41	Ant.1	25.50	25.50	25.50	25.50	25.50	25.50	25.50	25.50
DC_66A+n77A	n77	Ant.5	25.50	17.00	16.00	24.50	23.50	23.50	24.50	23.50
	LTE Band66	Ant.0	23.00	23.00	23.00	23.00	21.50	21.50	23.00	21.50
DC_2A+n78A	n78	Ant.5	25.50	17.00	16.00	24.50	23.50	23.50	24.50	23.50
	LTE Band2	Ant.0	23.00	23.00	23.00	22.00	20.00	20.00	22.00	20.00
DC_4A+n78A	n78	Ant.5	25.50	17.00	16.00	24.50	23.50	23.50	24.50	23.50
	LTE Band4	Ant.0	23.00	23.00	23.00	23.00	21.50	21.50	23.00	21.50
DC_5A+n78A	n78	Ant.5	25.50	17.00	16.00	24.50	23.50	23.50	24.50	23.50
	LTE Band5	Ant.0	23.00	23.00	23.00	23.00	23.00	23.00	23.00	23.00
DC_7A+n78A	n78	Ant.5	25.50	17.00	16.00	24.50	23.50	23.50	24.50	23.50
	LTE Band7	Ant.1	23.00	23.00	23.00	23.00	23.00	23.00	23.00	23.00
DC_38A+n78A	n78	Ant.5	25.50	17.00	16.00	24.50	23.50	23.50	24.50	23.50
	LTE Band38	Ant.1	23.50	23.50	23.50	23.50	23.50	23.50	23.50	23.50
DC_41A+n78A	n78	Ant.5	25.50	17.00	16.00	24.50	23.50	23.50	24.50	23.50
	LTE Band41	Ant.1	25.50	25.50	25.50	25.50	25.50	25.50	25.50	25.50
DC_66A+n78A	n78	Ant.5	25.50	17.00	16.00	24.50	23.50	23.50	24.50	23.50
	LTE Band66	Ant.0	23.00	23.00	23.00	23.00	21.50	21.50	23.00	21.50

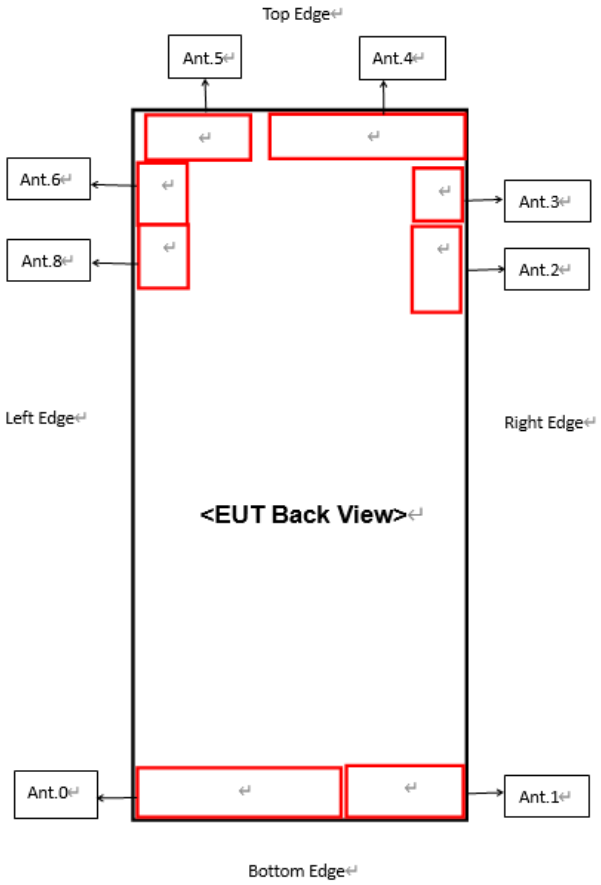
WLAN Reduced power level table

Reduced level	Receiver state	Transmitting conditions	Antenna	Position
Level1	On (head scenario)	WLAN Use Only	Ant.6	Head
Level3	On (head scenario)	WWAN + WLAN	Ant.6	Head
Level2	Off (Body scenario)	WLAN Use Only	Ant.6	Front Side;Back Side；Left Edge;Right Edge;Top Edge;Bottom Edge
Level4	Off (Body scenario)	WWAN + WLAN	Ant.6	Front Side;Back Side；Left Edge;Right Edge;Top Edge;Bottom Edge

Mode	WLAN Antenna							
	Full Power	Receiver on		Receiver off				
		Head		Body-worn		Hotspot	Specific	
		Standalone	Simultaneous transmission	Standalone	Simultaneous transmission	Simultaneous transmission	Standalone	Simultaneous transmission
	Off	Level1	Level3	Level2	Level4	Level4	Level2	Level4
2.4G WLAN 802.11b	19.00	19.00	17.00	19.00	19.00	19.00	19.00	19.00
2.4G WLAN 802.11g	18.00	18.00	16.00	18.00	18.00	18.00	18.00	18.00
2.4G WLAN 802.11n20	18.00	18.00	16.00	18.00	18.00	18.00	18.00	18.00
5.2G WLAN 802.11a	19.00	19.00	15.00	19.00	17.00	17.00	19.00	17.00
5.2G WLAN 802.11n20	18.00	18.00	14.00	18.00	16.00	16.00	18.00	16.00
5.2G WLAN 802.11n40	17.50	17.50	13.50	17.50	15.50	15.50	17.50	15.50
5.2G WLAN 802.11ac20	17.00	17.00	13.00	17.00	15.00	15.00	17.00	15.00
5.2G WLAN 802.11ac40	17.00	17.00	13.00	17.00	15.00	15.00	17.00	15.00
5.2G WLAN 802.11ac80	16.50	16.50	12.50	16.50	14.50	14.50	16.50	14.50
5.3G WLAN 802.11a	19.00	19.00	15.00	19.00	19.00	/	19.00	19.00
5.3G WLAN 802.11n20	18.00	18.00	14.00	18.00	18.00	/	18.00	18.00
5.3G WLAN 802.11n40	17.50	17.50	13.50	17.50	17.50	/	17.50	17.50
5.3G WLAN 802.11ac20	17.00	17.00	13.00	17.00	17.00	/	17.00	17.00
5.3G WLAN 802.11ac40	17.00	17.00	13.00	17.00	17.00	/	17.00	17.00
5.3G WLAN 802.11ac80	16.50	16.50	12.50	16.50	16.50	/	16.50	16.50
5.6G WLAN 802.11a	19.00	19.00	15.00	19.00	17.00	/	19.00	17.00
5.6G WLAN 802.11n20	18.00	18.00	14.00	18.00	16.00	/	18.00	16.00
5.6G WLAN 802.11n40	17.50	17.50	13.50	17.50	15.50	/	17.50	15.50
5.6G WLAN 802.11ac20	17.00	17.00	13.00	17.00	15.00	/	17.00	15.00
5.6G WLAN 802.11ac40	17.00	17.00	13.00	17.00	15.00	/	17.00	15.00
5.6G WLAN 802.11ac80	16.50	16.50	12.50	16.50	14.50	/	16.50	14.50
5.8G WLAN 802.11a	19.00	19.00	15.00	19.00	15.00	15.00	19.00	15.00
5.8G WLAN 802.11n20	18.00	18.00	14.00	18.00	14.00	14.00	18.00	14.00

5.8G WLAN 802.11n40	17.50	17.50	13.50	17.50	13.50	13.50	17.50	13.50
5.8G WLAN 802.11ac20	17.00	17.00	13.00	17.00	13.00	13.00	17.00	13.00
5.8G WLAN 802.11ac40	17.00	17.00	13.00	17.00	13.00	13.00	17.00	13.00
5.8G LAN 802.11ac80	16.50	16.50	12.50	16.50	12.50	12.50	16.50	12.50
Bluetooth	13.50	13.50	13.50	13.50	13.50	13.50	13.50	13.50

9 TEST EXCLUSION CONSIDERATION



Antenna	Support Bands
Antenna 0	GSM850/1900 WCDMA B2/4/5 LTE B2/4/5/12/17/66 NR n5/12/66
Antenna 1	LTE B7/38/41 NR n7/38/41
Antenna 2	NR n77/78
Antenna 3	NR n77/78
Antenna 4	GSM850/1900 WCDMA B2/4/5 LTE B2/4/5/12/17/66/41 NR n5/7/12/66/38/41/66
Antenna 5	LTE B42 NR n77/78
Antenna 6	WIFI2.4G/5G; Bluetooth
Antenna 8	NR n77/78

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.1	<25	<25	>25	<25	>25	<25
Ant.2	<25	<25	>25	<25	<25	>25
Ant.3	<25	<25	>25	<25	<25	>25
Ant.4	<25	<25	>25	<25	<25	>25
Ant.5	<25	<25	<25	>25	<25	>25
Ant.6	<25	<25	<25	>25	<25	>25
Ant.8	<25	<25	<25	>25	<25	>25

Note: 1.Per KDB 941225 DO6,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.

10 TEST RESULT

10.1 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	1 g Scaled SAR (W/kg)	Meas. No.
Head													
Ant.4	Level1	DATA 4slots	Left Cheek	0	128	824.2	-0.12	0.433	25.22	25.50	1.067	0.462	/
	Level1		Left Tilt	0	128	824.2	0.08	0.415	25.22	25.50	1.067	0.443	/
	Level1		Right Cheek	0	128	824.2	0.06	0.631	25.22	25.50	1.067	**0.673**	1#
	Level1		Right Tilt	0	128	824.2	-0.03	0.591	25.22	25.50	1.067	0.631	/
Ant.4	Level3	DATA 4slots	Left Cheek	0	190	836.6	-0.08	0.340	24.12	24.50	1.091	0.371	/
	Level3		Left Tilt	0	190	836.6	0.11	0.332	24.12	24.50	1.091	0.362	/
	Level3		Right Cheek	0	190	836.6	0.07	0.498	24.12	24.50	1.091	0.543	/
	Level3		Right Tilt	0	190	836.6	0.09	0.472	24.12	24.50	1.091	0.515	/
Ant.0	Level1&3	DATA 4slots	Left Cheek	0	190	836.6	0.03	0.024	28.57	29.50	1.239	0.030	/
	Level1&3		Left Tilt	0	190	836.6	0.02	0.009	28.57	29.50	1.239	0.011	/
	Level1&3		Right Cheek	0	190	836.6	0.09	0.061	28.57	29.50	1.239	0.076	/
	Level1&3		Right Tilt	0	190	836.6	0.08	0.018	28.57	29.50	1.239	0.022	/
Body-worn													
Ant.4	Level2&4	DATA 4slots	Front Side	15	190	836.6	-0.10	0.096	27.63	28.00	1.089	0.105	/
	Level2&4		Back Side	15	190	836.6	0.05	0.108	27.63	28.00	1.089	0.118	/
Ant.0	Level2&4	DATA 4slots	Front Side	15	190	836.6	-0.08	0.251	28.57	29.50	1.239	0.311	/
	Level2&4		Back Side	15	190	836.6	0.08	0.298	28.57	29.50	1.239	**0.369**	2#
Hotspot													
Ant.4	Level4	DATA 4slots	Front Side	10	190	836.6	-0.07	0.121	27.63	28.00	1.089	0.132	/
	Level4		Back Side	10	190	836.6	-0.03	0.173	27.63	28.00	1.089	0.188	/
	Level4		Right Edge	10	190	836.6	-0.11	0.059	27.63	28.00	1.089	0.064	
	Level4		Top Edge	10	190	836.6	0.15	0.166	27.63	28.00	1.089	0.181	/
Ant.0	Level4	DATA 4slots	Front Side	10	190	836.6	0.08	0.321	28.57	29.50	1.239	0.398	/
	Level4		Back Side	10	190	836.6	-0.11	0.511	28.57	29.50	1.239	**0.633**	3#
	Level4		Left Edge	10	190	836.6	-0.09	0.232	28.57	29.50	1.239	0.287	/
	Level4		Right Edge	10	190	836.6	-0.05	0.118	28.57	29.50	1.239	0.146	/
	Level4		Bottom Edge	10	190	836.6	-0.12	0.352	28.57	29.50	1.239	0.436	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.													

10.2 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	1 g Scaled SAR (W/kg)	Meas. No.
Head													
Ant.4	Level1	DATA 4slots	Left Cheek	0	661	1880	0.01	0.315	20.70	21.00	1.072	0.338	/
	Level1		Left Tilt	0	661	1880	-0.01	0.380	20.70	21.00	1.072	0.407	/
	Level1		Right Cheek	0	661	1880	0.11	0.648	20.70	21.00	1.072	0.695	/
	Level1		Right Tilt	0	661	1880	-0.07	0.837	20.70	21.00	1.072	**0.897**	4#
	Level1		Right Tilt	0	512	1850.2	0.07	0.590	19.99	21.00	1.262	0.745	/
	Level1		Right Tilt	0	810	1909.8	-0.06	0.719	20.66	21.00	1.081	0.777	/
Ant.4	Level3	DATA 4slots	Left Cheek	0	661	1880	0.00	0.232	19.39	20.00	1.151	0.267	/
	Level3		Left Tilt	0	661	1880	-0.07	0.308	19.39	20.00	1.151	0.355	/
	Level3		Right Cheek	0	661	1880	-0.11	0.511	19.39	20.00	1.151	0.588	/
	Level3		Right Tilt	0	661	1880	-0.09	0.556	19.39	20.00	1.151	0.640	/
Ant.0	Level1&3	DATA 4slots	Left Cheek	0	661	1880	-0.16	0.076	25.33	26.00	1.167	0.089	/
	Level1&3		Left Tilt	0	661	1880	0.01	0.069	25.33	26.00	1.167	0.081	/
	Level1&3		Right Cheek	0	661	1880	-0.11	0.081	25.33	26.00	1.167	0.095	/
	Level1&3		Right Tilt	0	661	1880	0.13	0.048	25.33	26.00	1.167	0.056	/
Body-worn													
Ant.4	Level2&4	DATA 4slots	Front Side	15	661	1880	0.15	0.166	23.45	24.00	1.135	0.188	/
	Level2&4		Back Side	15	661	1880	-0.04	0.217	23.45	24.00	1.135	0.246	/
Ant.0	Level2&4	DATA 4slots	Front Side	15	661	1880	-0.08	0.226	25.33	26.00	1.167	0.264	/
	Level2&4		Back Side	15	661	1880	-0.08	0.313	25.33	26.00	1.167	**0.365**	5#
Hotspot													
Ant.4	Level4	DATA 4slots	Front Side	10	661	1880	0.18	0.276	23.45	24.00	1.135	0.313	/
	Level4		Back Side	10	661	1880	-0.03	0.394	23.45	24.00	1.135	0.447	/
	Level4		Right Edge	10	661	1880	-0.13	0.101	23.45	24.00	1.135	0.115	/
	Level4		Top Edge	10	661	1880	0.00	0.654	23.45	24.00	1.135	0.742	/
Ant.0	Level4	DATA 4slots	Front Side	10	661	1880	-0.16	0.398	25.33	26.00	1.167	0.464	/
	Level4		Back Side	10	661	1880	0.01	0.533	25.33	26.00	1.167	0.622	/
	Level4		Left Edge	10	661	1880	0.11	0.065	25.33	26.00	1.167	0.076	/
	Level4		Right Edge	10	661	1880	0.10	0.071	25.33	26.00	1.167	0.083	/
	Level4		Bottom Edge	10	661	1880	0.10	1.010	25.33	26.00	1.167	1.179	/
	Level4		Bottom Edge	10	512	1850.2	0.09	0.799	25.23	26.00	1.194	0.954	/
	Level4		Bottom Edge	10	810	1909.8	0.07	1.060	25.49	26.00	1.125	**1.193**	6#
Note: Refer to ANNEX C for the detailed test data for each test configuration.													

10.3WCDMA 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	1 g Scaled SAR (W/kg)	Meas. No.
Head													
Ant.4	Level1	RMC	Left Cheek	0	9262	1852.4	-0.04	0.338	16.56	17.00	1.107	0.374	/
	Level1		Left Tilt	0	9262	1852.4	0.10	0.408	16.56	17.00	1.107	0.452	/
	Level1		Right Cheek	0	9262	1852.4	0.01	0.660	16.56	17.00	1.107	0.731	/
	Level1		Right Tilt	0	9262	1852.4	0.14	0.740	16.56	17.00	1.107	0.819	/
	Level1		Right Tilt	0	9400	1880	-0.08	0.745	16.51	17.00	1.119	**0.834**	7#
	Level1		Right Tilt	0	9538	1907.6	-0.12	0.715	16.56	17.00	1.107	0.792	/
Ant.4	Level3	RMC	Left Cheek	0	9400	1880	0.04	0.265	15.51	16.00	1.119	0.297	/
	Level3		Left Tilt	0	9400	1880	-0.09	0.320	15.51	16.00	1.119	0.358	/
	Level3		Right Cheek	0	9400	1880	-0.09	0.521	15.51	16.00	1.119	0.583	/
	Level3		Right Tilt	0	9400	1880	-0.03	0.583	15.51	16.00	1.119	0.652	/
Ant.0	Level1&3	RMC	Left Cheek	0	9400	1880	-0.04	0.101	22.85	23.00	1.035	0.105	/
	Level1&3		Left Tilt	0	9400	1880	-0.18	0.098	22.85	23.00	1.035	0.101	/
	Level1&3		Right Cheek	0	9400	1880	0.10	0.120	22.85	23.00	1.035	0.124	/
	Level1&3		Right Tilt	0	9400	1880	0.07	0.064	22.85	23.00	1.035	0.066	/
Body-worn													
Ant.4	Level2	RMC	Front Side	15	9400	1880	0.06	0.209	20.98	21.50	1.127	0.236	/
	Level2		Back Side	15	9400	1880	-0.04	0.340	20.98	21.50	1.127	0.383	/
Ant.4	Level4	RMC	Front Side	15	9400	1880	-0.08	0.165	19.92	20.50	1.143	0.189	/
	Level4		Back Side	15	9400	1880	0.06	0.268	19.92	20.50	1.143	0.306	/
Ant.0	Level2	RMC	Front Side	15	9400	1880	-0.13	0.376	22.85	23.00	1.035	0.389	/
	Level2		Back Side	15	9400	1880	0.05	0.521	22.85	23.00	1.035	**0.539**	8#
Ant.0	Level4	RMC	Front Side	15	9262	1852.4	0.09	0.186	19.85	20.00	1.035	0.193	/
	Level4		Back Side	15	9262	1852.4	0.13	0.259	19.85	20.00	1.035	0.268	/
Hotspot													
Ant.4	Level4	RMC	Front Side	10	9400	1880	0.04	0.289	19.92	20.50	1.143	0.330	/
	Level4		Back Side	10	9400	1880	0.01	0.512	19.92	20.50	1.143	0.585	/
	Level4		Right Edge	10	9400	1880	0.08	0.110	19.92	20.50	1.143	0.126	/
	Level4		Top Edge	10	9400	1880	-0.09	0.617	19.92	20.50	1.143	0.705	/
Ant.0	Level4	RMC	Front Side	10	9400	1880	-0.12	0.180	19.85	20.00	1.035	0.186	/
	Level4		Back Side	10	9400	1880	-0.02	0.318	19.85	20.00	1.035	0.329	/
	Level4		Left Edge	10	9400	1880	-0.12	0.067	19.85	20.00	1.035	0.069	/
	Level4		Right Edge	10	9400	1880	-0.15	0.385	19.85	20.00	1.035	0.398	/
	Level4		Bottom Edge	10	9400	1880	0.09	0.328	19.85	20.00	1.035	0.339	/
	Level4		Bottom Edge	10	9262	1852.4	-0.01	0.890	19.85	20.00	1.035	**0.921**	9#
	Level4		Bottom Edge	10	9538	1907.6	0.09	0.053	19.85	20.00	1.035	0.055	/

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

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	10g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	10g Scaled SAR (W/kg)	Meas. No.
Specific													
Ant.0	Level2	RMC	Bottom Edge	0	9400	1880	-0.02	1.900	22.85	23.00	1.035	**1.967**	10#
Ant.0	Level4	RMC	Bottom Edge	0	9262	1852.4	-0.12	0.952	19.85	20.00	1.035	0.985	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.													

10.4WCDMA 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	1 g Scaled SAR (W/kg)	Meas. No.
Head													
Ant.4	Level1	RMC	Left Cheek	0	1412	1732.4	-0.11	0.313	18.34	18.50	1.038	0.325	/
	Level1		Left Tilt	0	1412	1732.4	-0.10	0.362	18.34	18.50	1.038	0.376	/
	Level1		Right Cheek	0	1412	1732.4	0.11	0.719	18.34	18.50	1.038	**0.746**	11#
	Level1		Right Tilt	0	1412	1732.4	-0.02	0.536	18.34	18.50	1.038	0.556	/
Ant.4	Level3	RMC	Left Cheek	0	1312	1712.4	0.08	0.249	17.35	17.50	1.035	0.258	/
	Level3		Left Tilt	0	1312	1712.4	0.13	0.287	17.35	17.50	1.035	0.297	/
	Level3		Right Cheek	0	1312	1712.4	0.09	0.504	17.35	17.50	1.035	0.522	/
	Level3		Right Tilt	0	1312	1712.4	0.06	0.426	17.35	17.50	1.035	0.441	/
Ant.0	Level1&3	RMC	Left Cheek	0	1312	1712.4	0.18	0.060	22.77	23.00	1.054	0.063	/
	Level1&3		Left Tilt	0	1312	1712.4	0.10	0.053	22.77	23.00	1.054	0.056	/
	Level1&3		Right Cheek	0	1312	1712.4	0.16	0.088	22.77	23.00	1.054	0.093	/
	Level1&3		Right Tilt	0	1312	1712.4	-0.07	0.056	22.77	23.00	1.054	0.059	/
Body-worn													
Ant.4	Level2&4	RMC	Front Side	15	1312	1712.4	-0.05	0.121	20.76	21.00	1.057	0.128	/
	Level2&4		Back Side	15	1312	1712.4	0.17	0.163	20.76	21.00	1.057	0.172	/
Ant.0	Level2	RMC	Front Side	15	1312	1712.4	-0.16	0.352	22.77	23.00	1.054	0.371	/
	Level2		Back Side	15	1312	1712.4	0.06	0.361	22.77	23.00	1.054	**0.380**	12#
Ant.0	Level4	RMC	Front Side	15	1412	1732.4	-0.10	0.215	20.68	21.00	1.076	0.231	/
	Level4		Back Side	15	1412	1732.4	0.08	0.221	20.68	21.00	1.076	0.238	/
Hotspot													
Ant.4	Level4	RMC	Front Side	10	1312	1712.4	0.02	0.238	20.76	21.00	1.057	0.252	/
	Level4		Back Side	10	1312	1712.4	0.00	0.337	20.76	21.00	1.057	0.356	/
	Level4		Right Edge	10	1312	1712.4	-0.15	0.093	20.76	21.00	1.057	0.098	/
	Level4		Top Edge	10	1312	1712.4	0.02	0.436	20.76	21.00	1.057	0.461	/
Ant.0	Level4	RMC	Front Side	10	1412	1732.4	-0.12	0.295	20.68	21.00	1.076	0.317	/
	Level4		Back Side	10	1412	1732.4	-0.08	0.507	20.68	21.00	1.076	0.546	/
	Level4		Left Edge	10	1412	1732.4	0.04	0.080	20.68	21.00	1.076	0.086	/
	Level4		Right Edge	10	1412	1732.4	0.00	0.052	20.68	21.00	1.076	0.056	/
	Level4		Bottom Edge	10	1412	1732.4	0.06	0.790	20.68	21.00	1.076	0.850	/
	Level4		Bottom Edge	10	1312	1712.4	-0.06	0.757	20.65	21.00	1.084	0.821	/
	Level4		Bottom Edge	10	1513	1752.6	0.01	0.949	20.63	21.00	1.089	**1.033**	13#
Note: Refer to ANNEX C for the detailed test data for each test configuration.													

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	10g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	10g Scaled SAR (W/kg)	Meas. No.
Specific													
Ant.0	Level2	RMC	Bottom Edge	0	1312	1712.4	0.03	1.900	22.77	23.00	1.054	**2.003**	14#
	Level2		Bottom Edge	0	1412	1732.4	-0.05	1.800	22.57	23.00	1.104	1.987	/
	Level2		Bottom Edge	0	1513	1752.6	-0.06	1.760	22.51	23.00	1.119	1.969	/
Ant.0	Level4	RMC	Bottom Edge	0	1412	1732.4	-0.11	1.100	20.68	21.00	1.076	1.184	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.													

10.5WCDMA 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-powe r(dBm)	Scaling Factor	1 g Scaled SAR (W/kg)	Meas. No.
Head													
Ant.4	Level1&3	RMC	Left Cheek	0	4233	846.6	-0.09	0.340	21.56	22.00	1.107	0.376	/
	Level1&3		Left Tilt	0	4233	846.6	-0.05	0.321	21.56	22.00	1.107	0.355	/
	Level1&3		Right Cheek	0	4233	846.6	0.03	0.566	21.56	22.00	1.107	**0.627**	15#
	Level1&3		Right Tilt	0	4233	846.6	-0.01	0.470	21.56	22.00	1.107	0.520	/
Ant.0	Level1&3	RMC	Left Cheek	0	4233	846.6	-0.09	0.158	22.81	23.50	1.172	0.185	/
	Level1&3		Left Tilt	0	4233	846.6	-0.07	0.047	22.81	23.50	1.172	0.055	/
	Level1&3		Right Cheek	0	4233	846.6	-0.16	0.141	22.81	23.50	1.172	0.165	/
	Level1&3		Right Tilt	0	4233	846.6	0.16	0.071	22.81	23.50	1.172	0.083	/
Body-worn													
Ant.4	Level2&4	RMC	Front Side	15	4233	846.6	0.01	0.041	21.56	22.00	1.107	0.045	/
	Level2&4		Back Side	15	4233	846.6	-0.05	0.046	21.56	22.00	1.107	0.051	/
Ant.0	Level2&4	RMC	Front Side	15	4233	846.6	-0.06	0.091	22.81	23.50	1.172	0.107	/
	Level2&4		Back Side	15	4233	846.6	-0.10	0.135	22.81	23.50	1.172	**0.158**	16#
Hotspot													
Ant.4	Level4	RMC	Front Side	10	4233	846.6	-0.12	0.057	21.56	22.00	1.107	0.063	/
	Level4		Back Side	10	4233	846.6	0.01	0.081	21.56	22.00	1.107	0.090	/
	Level4		Right Edge	10	4233	846.6	0.10	0.031	21.56	22.00	1.107	0.034	/
	Level4		Top Edge	10	4233	846.6	0.05	0.112	21.56	22.00	1.107	0.124	/
Ant.0	Level4	RMC	Front Side	10	4233	846.6	0.03	0.177	22.81	23.50	1.172	0.207	/
	Level4		Back Side	10	4233	846.6	0.04	0.335	22.81	23.50	1.172	**0.393**	17#
	Level4		Left Edge	10	4233	846.6	0.10	0.128	22.81	23.50	1.172	0.150	/
	Level4		Right Edge	10	4233	846.6	-0.12	0.066	22.81	23.50	1.172	0.077	/
	Level4		Bottom Edge	10	4233	846.6	0.09	0.220	22.81	23.50	1.172	0.258	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.													

10.6 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	1 g Scaled SAR (W/kg)	Meas. No.
Head															
Ant.4	Level1	QPSK	Left Cheek	0	19100	1900	1	Mid	0.01	0.320	16.20	17.00	1.202	0.385	/
	Level1		Left Tilt	0	19100	1900	1	Mid	0.01	0.371	16.20	17.00	1.202	0.446	/
	Level1		Right Cheek	0	19100	1900	1	Mid	-0.09	0.636	16.20	17.00	1.202	0.764	/
	Level1		Right Tilt	0	19100	1900	1	Mid	-0.05	0.681	16.20	17.00	1.202	**0.819**	18#
	Level1		Right Tilt	0	18700	1860	1	Mid	-0.03	0.630	16.13	17.00	1.222	0.770	/
	Level1		Right Tilt	0	18900	1880	1	Mid	-0.10	0.638	16.17	17.00	1.211	0.773	/
	Level1		Left Cheek	0	18700	1860	50	High	-0.08	0.325	16.16	17.00	1.213	0.394	/
	Level1		Left Tilt	0	18700	1860	50	High	0.08	0.397	16.16	17.00	1.213	0.482	/
	Level1		Right Cheek	0	18700	1860	50	High	0.01	0.645	16.16	17.00	1.213	0.782	/
	Level1		Right Tilt	0	18700	1860	50	High	-0.01	0.670	16.16	17.00	1.213	0.813	/
	Level1		Right Tilt	0	18900	1880	50	High	0.02	0.630	16.09	17.00	1.233	0.777	/
	Level1		Right Tilt	0	19100	1900	50	High	0.00	0.651	16.09	17.00	1.233	0.803	/
	Level1		Right Tilt	0	18900	1880	100	Low	-0.14	0.625	16.09	17.00	1.233	0.771	/
Ant.4	Level3	QPSK	Left Cheek	0	19100	1900	1	Low	0.13	0.251	15.19	16.00	1.205	0.302	/
	Level3		Left Tilt	0	19100	1900	1	Low	0.05	0.294	15.19	16.00	1.205	0.354	/
	Level3		Right Cheek	0	19100	1900	1	Low	0.04	0.503	15.19	16.00	1.205	0.606	/
	Level3		Right Tilt	0	19100	1900	1	Low	-0.08	0.541	15.19	16.00	1.205	0.652	/
	Level3		Left Cheek	0	19100	1900	50	High	0.06	0.258	15.17	16.00	1.211	0.312	/
	Level3		Left Tilt	0	19100	1900	50	High	-0.03	0.317	15.17	16.00	1.211	0.384	/
	Level3		Right Cheek	0	19100	1900	50	High	-0.10	0.510	15.17	16.00	1.211	0.618	/
	Level3		Right Tilt	0	19100	1900	50	High	-0.01	0.532	15.17	16.00	1.211	0.644	/
Ant.0	Level1&3	QPSK	Left Cheek	0	19100	1900	1	Mid	0.16	0.075	22.61	23.00	1.094	0.082	/
	Level1&3		Left Tilt	0	19100	1900	1	Mid	0.07	0.079	22.61	23.00	1.094	0.086	/
	Level1&3		Right Cheek	0	19100	1900	1	Mid	-0.12	0.087	22.61	23.00	1.094	0.095	/
	Level1&3		Right Tilt	0	19100	1900	1	Mid	-0.01	0.052	22.61	23.00	1.094	0.057	/
	Level1&3		Left Cheek	0	19100	1900	50	Low	-0.07	0.060	21.52	22.00	1.117	0.067	/
	Level1&3		Left Tilt	0	19100	1900	50	Low	-0.18	0.061	21.52	22.00	1.117	0.068	/
	Level1&3		Right Cheek	0	19100	1900	50	Low	0.00	0.068	21.52	22.00	1.117	0.076	/
	Level1&3		Right Tilt	0	19100	1900	50	Low	-0.07	0.040	21.52	22.00	1.117	0.045	/
Body-worn															
Ant.4	Level2&4	QPSK	Front Side	15	19100	1900	1	Mid	0.12	0.124	20.30	21.00	1.175	0.146	/
	Level2&4		Back Side	15	19100	1900	1	Mid	0.05	0.178	20.30	21.00	1.175	0.209	/
	Level2&4		Front Side	15	19100	1900	50	Low	-0.15	0.102	19.50	20.00	1.122	0.114	/
	Level2&4		Back Side	15	19100	1900	50	Low	0.02	0.144	19.50	20.00	1.122	0.162	/
Ant.0	Level2	QPSK	Front Side	15	19100	1900	1	Mid	-0.03	0.187	22.61	23.00	1.094	0.205	/
	Level2		Back Side	15	19100	1900	1	Mid	0.02	0.251	22.61	23.00	1.094	**0.275**	19#

	Level2		Front Side	15	19100	1900	50	Low	0.12	0.148	21.52	22.00	1.117	0.165	/
	Level2		Back Side	15	19100	1900	50	Low	0.13	0.213	21.52	22.00	1.117	0.238	/
Ant.0	Level4	QPSK	Front Side	15	19100	1900	1	Low	-0.05	0.093	19.15	20.00	1.216	0.113	/
	Level4		Back Side	15	19100	1900	1	Low	0.02	0.128	19.15	20.00	1.216	0.156	/
	Level4		Front Side	15	19100	1900	50	Low	0.10	0.092	19.16	20.00	1.213	0.112	/
	Level4		Back Side	15	19100	1900	50	Low	-0.13	0.126	19.16	20.00	1.213	0.153	/
Hotspot															
Ant.4	Level4	QPSK	Front Side	10	19100	1900	1	Mid	0.12	0.396	20.30	21.00	1.175	0.465	/
	Level4		Back Side	10	19100	1900	1	Mid	-0.09	0.558	20.30	21.00	1.175	0.656	/
	Level4		Right Edge	10	19100	1900	1	Mid	-0.01	0.158	20.30	21.00	1.175	0.186	/
	Level4		Top Edge	10	19100	1900	1	Mid	0.01	0.698	20.30	21.00	1.175	**0.820**	20#
	Level4		Top Edge	10	18700	1860	1	High	-0.01	0.612	19.94	21.00	1.276	0.781	/
	Level4		Top Edge	10	18900	1880	1	Mid	-0.08	0.665	20.25	21.00	1.189	0.791	/
	Level4		Front Side	10	19100	1900	50	Low	0.14	0.324	19.50	20.00	1.122	0.364	/
	Level4		Back Side	10	19100	1900	50	Low	-0.11	0.466	19.50	20.00	1.122	0.523	/
	Level4		Right Edge	10	19100	1900	50	Low	0.02	0.111	19.50	20.00	1.122	0.125	/
	Level4		Top Edge	10	19100	1900	50	Low	-0.06	0.589	19.50	20.00	1.122	0.661	/
	Level4		Top Edge	10	19100	1900	100	Low	0.01	0.612	19.45	20.00	1.135	0.695	/
Ant.0	Level4	QPSK	Front Side	10	19100	1900	1	Low	0.08	0.247	19.15	20.00	1.216	0.300	/
	Level4		Back Side	10	19100	1900	1	Low	-0.09	0.351	19.15	20.00	1.216	0.427	/
	Level4		Left Edge	10	19100	1900	1	Low	0.10	0.039	19.15	20.00	1.216	0.047	/
	Level4		Right Edge	10	19100	1900	1	Low	0.05	0.053	19.15	20.00	1.216	0.064	/
	Level4		Bottom Edge	10	19100	1900	1	Low	0.00	0.490	19.15	20.00	1.216	0.596	/
	Level4		Front Side	10	19100	1900	50	Low	0.08	0.187	19.16	20.00	1.213	0.227	/
	Level4		Back Side	10	19100	1900	50	Low	-0.13	0.270	19.16	20.00	1.213	0.328	/
	Level4		Left Edge	10	19100	1900	50	Low	-0.03	0.030	19.16	20.00	1.213	0.036	/
	Level4		Right Edge	10	19100	1900	50	Low	0.10	0.038	19.16	20.00	1.213	0.046	/
	Level4		Bottom Edge	10	19100	1900	50	Low	0.13	0.489	19.16	20.00	1.213	0.593	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.															

10.7 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	1 g Scaled SAR (W/kg)	Meas. No.
Head															
Ant.4	Level1	QPSK	Left Cheek	0	20300	1745	1	High	0.02	0.324	16.19	17.00	1.205	0.390	/
	Level1		Left Tilt	0	20300	1745	1	High	0.09	0.358	16.19	17.00	1.205	0.431	/
	Level1		Right Cheek	0	20300	1745	1	High	-0.08	0.601	16.19	17.00	1.205	0.724	/
	Level1		Right Tilt	0	20300	1745	1	High	-0.11	0.639	16.19	17.00	1.205	**0.770**	21#
	Level1		Left Cheek	0	20175	1732.5	50	Mid	0.10	0.352	16.18	17.00	1.208	0.425	/
	Level1		Left Tilt	0	20175	1732.5	50	Mid	-0.13	0.400	16.18	17.00	1.208	0.483	/
	Level1		Right Cheek	0	20175	1732.5	50	Mid	0.05	0.629	16.18	17.00	1.208	0.760	/
	Level1		Right Tilt	0	20175	1732.5	50	Mid	0.06	0.613	16.18	17.00	1.208	0.741	/
Ant.4	Level3	QPSK	Left Cheek	0	20300	1745	1	Low	0.06	0.239	15.19	16.00	1.205	0.288	/
	Level3		Left Tilt	0	20300	1745	1	Low	-0.12	0.262	15.19	16.00	1.205	0.316	/
	Level3		Right Cheek	0	20300	1745	1	Low	0.10	0.396	15.19	16.00	1.205	0.477	/
	Level3		Right Tilt	0	20300	1745	1	Low	0.14	0.402	15.19	16.00	1.205	0.484	/
	Level3		Left Cheek	0	20175	1732.5	50	Low	-0.03	0.260	15.20	16.00	1.202	0.313	/
	Level3		Left Tilt	0	20175	1732.5	50	Low	0.08	0.294	15.20	16.00	1.202	0.353	/
	Level3		Right Cheek	0	20175	1732.5	50	Low	-0.02	0.451	15.20	16.00	1.202	0.542	/
	Level3		Right Tilt	0	20175	1732.5	50	Low	-0.04	0.460	15.20	16.00	1.202	0.553	/
Ant.0	Level1&3	QPSK	Left Cheek	0	20175	1732.5	1	Mid	-0.06	0.091	22.41	23.00	1.146	0.104	/
	Level1&3		Left Tilt	0	20175	1732.5	1	Mid	0.01	0.076	22.41	23.00	1.146	0.087	/
	Level1&3		Right Cheek	0	20175	1732.5	1	Mid	0.13	0.124	22.41	23.00	1.146	0.142	/
	Level1&3		Right Tilt	0	20175	1732.5	1	Mid	-0.03	0.063	22.41	23.00	1.146	0.072	/
	Level1&3		Left Cheek	0	20175	1732.5	50	Low	-0.09	0.078	21.51	22.00	1.119	0.087	/
	Level1&3		Left Tilt	0	20175	1732.5	50	Low	-0.07	0.065	21.51	22.00	1.119	0.073	/
	Level1&3		Right Cheek	0	20175	1732.5	50	Low	0.14	0.102	21.51	22.00	1.119	0.114	/
	Level1&3		Right Tilt	0	20175	1732.5	50	Low	-0.16	0.054	21.51	22.00	1.119	0.060	/
Body-worn															
Ant.4	Level2&4	QPSK	Front Side	15	20175	1732.5	1	Mid	0.14	0.096	18.73	19.50	1.194	0.115	/
	Level2&4		Back Side	15	20175	1732.5	1	Mid	-0.18	0.108	18.73	19.50	1.194	0.129	/
	Level2&4		Front Side	15	20175	1732.5	50	Low	-0.13	0.080	17.95	18.50	1.135	0.091	/
	Level2&4		Back Side	15	20175	1732.5	50	Low	0.13	0.089	17.95	18.50	1.135	0.101	/
Ant.0	Level2&4	QPSK	Front Side	15	20175	1732.5	1	Mid	0.06	0.231	22.41	23.00	1.146	0.265	/
	Level2&4		Back Side	15	20175	1732.5	1	Mid	0.00	0.314	22.41	23.00	1.146	**0.360**	22#
	Level2&4		Front Side	15	20175	1732.5	50	Low	-0.02	0.201	21.51	22.00	1.119	0.225	/
	Level2&4		Back Side	15	20175	1732.5	50	Low	0.02	0.270	21.51	22.00	1.119	0.302	/
Ant.0 (NSA)	Level4	QPSK	Front Side	15	20175	1732.5	1	Mid	0.00	0.161	20.94	21.50	1.138	0.183	/
	Level4		Back Side	15	20175	1732.5	1	Mid	0.00	0.220	20.94	21.50	1.138	0.250	/
	Level4		Front Side	15	20175	1732.5	50	Low	-0.11	0.158	20.98	21.50	1.127	0.178	/

	Level4		Back Side	15	20175	1732.5	50	Low	-0.10	0.213	20.98	21.50	1.127	0.240	/
Hotspot															
	Level4		Front Side	10	20175	1732.5	1	Mid	-0.13	0.228	18.73	19.50	1.194	0.272	/
	Level4		Back Side	10	20175	1732.5	1	Mid	-0.17	0.291	18.73	19.50	1.194	0.347	/
	Level4		Left Edge	10	20175	1732.5	1	Mid	0.00	0.051	18.73	19.50	1.194	0.061	/
	Level4		Right Edge	10	20175	1732.5	1	Mid	-0.11	0.085	18.73	19.50	1.194	0.101	/
Ant.4	Level4	QPSK	Top Edge	10	20175	1732.5	1	Mid	0.00	0.361	18.73	19.50	1.194	0.431	/
	Level4		Front Side	10	20175	1732.5	50	Low	0.16	0.188	17.95	18.50	1.135	0.213	/
	Level4		Back Side	10	20175	1732.5	50	Low	0.14	0.239	17.95	18.50	1.135	0.271	/
	Level4		Right Edge	10	20175	1732.5	50	Low	0.02	0.070	17.95	18.50	1.135	0.079	/
	Level4		Top Edge	10	20175	1732.5	50	Low	0.04	0.285	17.95	18.50	1.135	0.323	/
	Level4		Front Side	10	20175	1732.5	1	Mid	-0.02	0.414	22.41	23.00	1.146	0.474	/
	Level4		Back Side	10	20175	1732.5	1	Mid	0.17	0.558	22.41	23.00	1.146	0.639	/
	Level4		Left Edge	10	20175	1732.5	1	Mid	-0.07	0.095	22.41	23.00	1.146	0.109	/
	Level4		Right Edge	10	20175	1732.5	1	Mid	0.04	0.077	22.41	23.00	1.146	0.088	/
	Level4		Bottom Edge	10	20175	1732.5	1	Mid	0.03	0.903	22.41	23.00	1.146	**1.035**	23#
	Level4		Bottom Edge	10	20050	1720	1	Mid	-0.09	0.867	22.37	23.00	1.156	1.002	/
	Level4		Bottom Edge	10	20300	1745	1	Mid	-0.06	0.875	22.39	23.00	1.151	1.007	/
Ant.0	Level4	QPSK	Front Side	10	20175	1732.5	50	Low	-0.08	0.346	21.51	22.00	1.119	0.387	/
	Level4		Back Side	10	20175	1732.5	50	Low	0.15	0.483	21.51	22.00	1.119	0.540	/
	Level4		Left Edge	10	20175	1732.5	50	Low	0.11	0.085	21.51	22.00	1.119	0.095	/
	Level4		Right Edge	10	20175	1732.5	50	Low	0.16	0.074	21.51	22.00	1.119	0.083	/
	Level4		Bottom Edge	10	20175	1732.5	50	Low	-0.01	0.770	21.51	22.00	1.119	0.862	/
	Level4		Bottom Edge	10	20175	1732.5	50	Mid	0.00	0.723	21.35	22.00	1.161	0.839	/
	Level4		Bottom Edge	10	20175	1732.5	50	High	0.01	0.760	21.49	22.00	1.125	0.855	/
	Level4		Bottom Edge	10	20300	1745	50	Low	0.06	0.754	21.44	22.00	1.138	0.858	/
	Level4		Front Side	10	20175	1732.5	1	Mid	0.06	0.290	20.94	21.50	1.138	0.330	/
	Level4		Back Side	10	20175	1732.5	1	Mid	0.00	0.393	20.94	21.50	1.138	0.447	/
	Level4		Left Edge	10	20175	1732.5	1	Mid	-0.03	0.069	20.94	21.50	1.138	0.079	/
	Level4		Right Edge	10	20175	1732.5	1	Mid	0.14	0.052	20.94	21.50	1.138	0.059	/
Ant.0	Level4		Bottom Edge	10	20175	1732.5	1	Mid	-0.09	0.635	20.94	21.50	1.138	0.723	/
(NSA)	Level4	QPSK	Front Side	10	20175	1732.5	50	Low	0.05	0.242	20.98	21.50	1.127	0.273	/
	Level4		Back Side	10	20175	1732.5	50	Low	-0.05	0.340	20.98	21.50	1.127	0.383	/
	Level4		Left Edge	10	20175	1732.5	50	Low	0.10	0.062	20.98	21.50	1.127	0.070	/
	Level4		Right Edge	10	20175	1732.5	50	Low	0.00	0.053	20.98	21.50	1.127	0.060	/
	Level4		Bottom Edge	10	20175	1732.5	50	Low	-0.01	0.548	20.98	21.50	1.127	0.618	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.															

10.8 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	1 g Scaled SAR (W/kg)	Meas. No.
Head															
Ant.4	Level1&3	QPSK	Left Cheek	0	20525	836.5	1	Low	-0.17	0.357	20.85	21.50	1.161	0.414	/
	Level1&3		Left Tilt	0	20525	836.5	1	Low	0.04	0.336	20.85	21.50	1.161	0.390	/
	Level1&3		Right Cheek	0	20525	836.5	1	Low	0.18	0.433	20.85	21.50	1.161	0.503	/
	Level1&3		Right Tilt	0	20525	836.5	1	Low	-0.17	0.548	20.85	21.50	1.161	**0.636**	24#
	Level1&3		Left Cheek	0	20525	836.5	25	Low	0.02	0.286	19.89	20.50	1.151	0.329	/
	Level1&3		Left Tilt	0	20525	836.5	25	Low	-0.12	0.273	19.89	20.50	1.151	0.314	/
	Level1&3		Right Cheek	0	20525	836.5	25	Low	-0.14	0.349	19.89	20.50	1.151	0.402	/
	Level1&3		Right Tilt	0	20525	836.5	25	Low	0.12	0.407	19.89	20.50	1.151	0.468	/
Ant.0	Level1&3	QPSK	Left Cheek	0	20525	836.5	1	Low	-0.12	0.109	22.56	23.00	1.107	0.121	/
	Level1&3		Left Tilt	0	20525	836.5	1	Low	-0.03	0.062	22.56	23.00	1.107	0.069	/
	Level1&3		Right Cheek	0	20525	836.5	1	Low	0.02	0.136	22.56	23.00	1.107	0.151	/
	Level1&3		Right Tilt	0	20525	836.5	1	Low	0.16	0.085	22.56	23.00	1.107	0.094	/
	Level1&3		Left Cheek	0	20525	836.5	25	Low	-0.15	0.091	21.59	22.00	1.099	0.100	/
	Level1&3		Left Tilt	0	20525	836.5	25	Low	0.13	0.050	21.59	22.00	1.099	0.055	/
	Level1&3		Right Cheek	0	20525	836.5	25	Low	-0.12	0.107	21.59	22.00	1.099	0.118	/
	Level1&3		Right Tilt	0	20525	836.5	25	Low	-0.14	0.064	21.59	22.00	1.099	0.070	/
Body-worn															
Ant.4	Level2&4	QPSK	Front Side	15	20525	836.5	1	Low	-0.03	0.008	20.85	21.50	1.161	0.009	/
	Level2&4		Back Side	15	20525	836.5	1	Low	0.14	0.046	20.85	21.50	1.161	0.053	/
	Level2&4		Front Side	15	20525	836.5	25	Low	-0.14	0.005	19.89	20.50	1.151	0.006	/
	Level2&4		Back Side	15	20525	836.5	25	Low	0.11	0.010	19.89	20.50	1.151	0.012	/
Ant.0	Level2&4	QPSK	Front Side	15	20525	836.5	1	Low	0.18	0.098	22.56	23.00	1.107	0.108	/
	Level2&4		Back Side	15	20525	836.5	1	Low	0.15	0.133	22.56	23.00	1.107	**0.147**	25#
	Level2&4		Front Side	15	20525	836.5	25	Low	-0.15	0.076	21.59	22.00	1.099	0.084	/
	Level2&4		Back Side	15	20525	836.5	25	Low	-0.14	0.105	21.59	22.00	1.099	0.115	/
Hotspot															
Ant.4	Level4	QPSK	Front Side	10	20525	836.5	1	Low	-0.04	0.061	20.85	21.50	1.161	0.071	/
	Level4		Back Side	10	20525	836.5	1	Low	-0.04	0.076	20.85	21.50	1.161	0.088	/
	Level4		Right Edge	10	20525	836.5	1	Low	0.15	0.005	20.85	21.50	1.161	0.006	/
	Level4		Top Edge	10	20525	836.5	1	Low	-0.03	0.090	20.85	21.50	1.161	0.104	/
	Level4		Front Side	10	20525	836.5	25	Low	0.17	0.041	19.89	20.50	1.151	0.047	/
	Level4		Back Side	10	20525	836.5	25	Low	0.17	0.057	19.89	20.50	1.151	0.066	/
	Level4		Right Edge	10	20525	836.5	25	Low	0.02	0.009	19.89	20.50	1.151	0.010	/
	Level4		Top Edge	10	20525	836.5	25	Low	-0.08	0.077	19.89	20.50	1.151	0.089	/
Ant.0	Level4	QPSK	Front Side	10	20525	836.5	1	Low	0.06	0.153	22.56	23.00	1.107	0.169	/
	Level4		Back Side	10	20525	836.5	1	Low	-0.15	0.238	22.56	23.00	1.107	**0.263**	26#

	Level4		Left Edge	10	20525	836.5	1	Low	0.14	0.102	22.56	23.00	1.107	0.113	/
	Level4		Right Edge	10	20525	836.5	1	Low	-0.12	0.052	22.56	23.00	1.107	0.058	/
	Level4		Bottom Edge	10	20525	836.5	1	Low	-0.01	0.159	22.56	23.00	1.107	0.176	/
	Level4		Front Side	10	20525	836.5	25	Low	0.02	0.117	21.59	22.00	1.099	0.129	/
	Level4		Back Side	10	20525	836.5	25	Low	-0.15	0.191	21.59	22.00	1.099	0.210	/
	Level4		Left Edge	10	20525	836.5	25	Low	0.06	0.080	21.59	22.00	1.099	0.088	/
	Level4		Right Edge	10	20525	836.5	25	Low	-0.07	0.042	21.59	22.00	1.099	0.046	/
	Level4		Bottom Edge	10	20525	836.5	25	Low	0.04	0.126	21.59	22.00	1.099	0.138	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.															

10.9 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	1 g Scaled SAR (W/kg)	Meas. No.
Head															
Ant.1	Level1&3	QPSK	Left Cheek	0	21100	2535	1	Mid	0.05	0.216	22.49	23.00	1.125	**0.243**	27#
	Level1&3		Left Tilt	0	21100	2535	1	Mid	0.09	0.068	22.49	23.00	1.125	0.077	/
	Level1&3		Right Cheek	0	21100	2535	1	Mid	-0.07	0.125	22.49	23.00	1.125	0.141	/
	Level1&3		Right Tilt	0	21100	2535	1	Mid	0.09	0.104	22.49	23.00	1.125	0.117	/
	Level1&3		Left Cheek	0	21100	2535	50	Mid	0.08	0.184	21.64	22.00	1.086	0.200	/
	Level1&3		Left Tilt	0	21100	2535	50	Mid	0.13	0.058	21.64	22.00	1.086	0.063	/
	Level1&3		Right Cheek	0	21100	2535	50	Mid	-0.13	0.106	21.64	22.00	1.086	0.115	/
	Level1&3		Right Tilt	0	21100	2535	50	Mid	-0.05	0.092	21.64	22.00	1.086	0.100	/
Body-worn															
Ant.1	Level2&4	QPSK	Front Side	15	21100	2535	1	Mid	0.01	0.187	22.49	23.00	1.125	0.210	/
	Level2&4		Back Side	15	21100	2535	1	Mid	-0.04	0.242	22.49	23.00	1.125	**0.272**	28#
	Level2&4		Front Side	15	21100	2535	50	Mid	-0.06	0.156	21.64	22.00	1.086	0.169	/
	Level2&4		Back Side	15	21100	2535	50	Mid	0.10	0.198	21.64	22.00	1.086	0.215	/
Hotspot															
Ant.1	Level4	QPSK	Front Side	10	21100	2535	1	Mid	0.01	0.286	22.49	23.00	1.125	0.322	/
	Level4		Back Side	10	21100	2535	1	Mid	0.03	0.382	22.49	23.00	1.125	**0.430**	29#
	Level4		Right Edge	10	21100	2535	1	Mid	-0.16	0.268	22.49	23.00	1.125	0.302	/
	Level4		Bottom Edge	10	21100	2535	1	Mid	-0.17	0.164	22.49	23.00	1.125	0.185	/
	Level4		Front Side	10	21100	2535	50	Mid	0.13	0.222	21.64	22.00	1.086	0.241	/
	Level4		Back Side	10	21100	2535	50	Mid	-0.13	0.302	21.64	22.00	1.086	0.328	/
	Level4		Right Edge	10	21100	2535	50	Mid	-0.16	0.248	21.64	22.00	1.086	0.269	/
	Level4		Bottom Edge	10	21100	2535	50	Mid	-0.01	0.131	21.64	22.00	1.086	0.142	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.															

10.10 LTE Band 12 (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	1 g Scaled SAR (W/kg)	Meas. No.
Head															
Ant.4	Level1&3	QPSK	Left Cheek	0	23095	707.5	1	Mid	-0.02	0.170	21.72	22.50	1.197	0.203	/
	Level1&3		Left Tilt	0	23095	707.5	1	Mid	-0.09	0.175	21.72	22.50	1.197	0.209	/
	Level1&3		Right Cheek	0	23095	707.5	1	Mid	-0.10	0.255	21.72	22.50	1.197	0.305	/
	Level1&3		Right Tilt	0	23095	707.5	1	Mid	0.14	0.289	21.72	22.50	1.197	**0.346**	30#
	Level1&3		Left Cheek	0	23095	707.5	25	High	0.16	0.149	20.78	21.50	1.180	0.176	/
	Level1&3		Left Tilt	0	23095	707.5	25	High	0.06	0.156	20.78	21.50	1.180	0.184	/
	Level1&3		Right Cheek	0	23095	707.5	25	High	-0.16	0.229	20.78	21.50	1.180	0.270	/
	Level1&3		Right Tilt	0	23095	707.5	25	High	0.09	0.226	20.78	21.50	1.180	0.267	/
Ant.0	Level1&3	QPSK	Left Cheek	0	23095	707.5	1	Mid	0.03	0.054	21.95	22.50	1.135	0.061	/
	Level1&3		Left Tilt	0	23095	707.5	1	Mid	-0.04	0.012	21.95	22.50	1.135	0.014	/
	Level1&3		Right Cheek	0	23095	707.5	1	Mid	0.06	0.058	21.95	22.50	1.135	0.066	/
	Level1&3		Right Tilt	0	23095	707.5	1	Mid	0.16	0.009	21.95	22.50	1.135	0.010	/
	Level1&3		Left Cheek	0	23095	707.5	25	Low	0.13	0.040	20.94	21.50	1.138	0.046	/
	Level1&3		Left Tilt	0	23095	707.5	25	Low	0.10	0.005	20.94	21.50	1.138	0.006	/
	Level1&3		Right Cheek	0	23095	707.5	25	Low	-0.06	0.051	20.94	21.50	1.138	0.058	/
	Level1&3		Right Tilt	0	23095	707.5	25	Low	0.18	0.010	20.94	21.50	1.138	0.011	/
Body-worn															
Ant.4	Level2&4	QPSK	Front Side	15	23095	707.5	1	Mid	0.14	0.052	21.72	22.50	1.197	0.062	/
	Level2&4		Back Side	15	23095	707.5	1	Mid	0.07	0.056	21.72	22.50	1.197	0.067	/
	Level2&4		Front Side	15	23095	707.5	25	High	0.05	0.043	20.78	21.50	1.180	0.051	/
	Level2&4		Back Side	15	23095	707.5	25	High	-0.07	0.045	20.78	21.50	1.180	0.053	/
Ant.0	Level2&4	QPSK	Front Side	15	23095	707.5	1	Mid	-0.13	0.084	21.95	22.50	1.135	0.095	/
	Level2&4		Back Side	15	23095	707.5	1	Mid	-0.04	0.119	21.95	22.50	1.135	**0.135**	31#
	Level2&4		Front Side	15	23095	707.5	25	Low	0.03	0.069	20.94	21.50	1.138	0.079	/
	Level2&4		Back Side	15	23095	707.5	25	Low	-0.07	0.094	20.94	21.50	1.138	0.107	/
Hotspot															
Ant.4	Level4	QPSK	Front Side	10	23095	707.5	1	Mid	0.04	0.045	21.72	22.50	1.197	0.054	/
	Level4		Back Side	10	23095	707.5	1	Mid	-0.08	0.060	21.72	22.50	1.197	0.072	/
	Level4		Right Edge	10	23095	707.5	1	Mid	0.06	0.062	21.72	22.50	1.197	0.074	/
	Level4		Top Edge	10	23095	707.5	1	Mid	-0.04	0.061	21.72	22.50	1.197	0.073	/
	Level4		Front Side	10	23095	707.5	25	High	-0.14	0.012	20.78	21.50	1.180	0.014	/
	Level4		Back Side	10	23095	707.5	25	High	0.18	0.049	20.78	21.50	1.180	0.058	/
	Level4		Right Edge	10	23095	707.5	25	High	0.12	0.052	20.78	21.50	1.180	0.061	/
	Level4		Top Edge	10	23095	707.5	25	High	0.10	0.050	20.78	21.50	1.180	0.059	/
Ant.0	Level4	QPSK	Front Side	10	23095	707.5	1	Mid	-0.07	0.073	21.95	22.50	1.135	0.083	/
	Level4		Back Side	10	23095	707.5	1	Mid	0.02	0.116	21.95	22.50	1.135	0.132	/

	Level4		Left Edge	10	23095	707.5	1	Mid	-0.13	0.134	21.95	22.50	1.135	**0.152**	32#
	Level4		Right Edge	10	23095	707.5	1	Mid	-0.16	0.074	21.95	22.50	1.135	0.084	/
	Level4		Bottom Edge	10	23095	707.5	1	Mid	-0.17	0.079	21.95	22.50	1.135	0.090	/
	Level4		Front Side	10	23095	707.5	25	Low	0.00	0.060	20.94	21.50	1.138	0.068	/
	Level4		Back Side	10	23095	707.5	25	Low	-0.04	0.096	20.94	21.50	1.138	0.109	/
	Level4		Left Edge	10	23095	707.5	25	Low	-0.08	0.108	20.94	21.50	1.138	0.123	/
	Level4		Right Edge	10	23095	707.5	25	Low	-0.16	0.059	20.94	21.50	1.138	0.067	/
	Level4		Bottom Edge	10	23095	707.5	25	Low	0.12	0.066	20.94	21.50	1.138	0.075	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.															

10.11 LTE Band 17 (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	1 g Scaled SAR (W/kg)	Meas. No.
Head															
Ant.4	Level1&3	QPSK	Left Cheek	0	23800	711	1	Mid	-0.13	0.186	22.03	22.50	1.114	0.207	/
	Level1&3		Left Tilt	0	23800	711	1	Mid	-0.13	0.194	22.03	22.50	1.114	0.216	/
	Level1&3		Right Cheek	0	23800	711	1	Mid	0.03	0.307	22.03	22.50	1.114	**0.342**	33#
	Level1&3		Right Tilt	0	23800	711	1	Mid	0.06	0.275	22.03	22.50	1.114	0.306	/
	Level1&3		Left Cheek	0	23780	709	25	High	0.09	0.163	20.93	21.50	1.140	0.186	/
	Level1&3		Left Tilt	0	23780	709	25	High	-0.09	0.167	20.93	21.50	1.140	0.190	/
	Level1&3		Right Cheek	0	23780	709	25	High	-0.13	0.244	20.93	21.50	1.140	0.278	/
	Level1&3		Right Tilt	0	23780	709	25	High	-0.12	0.230	20.93	21.50	1.140	0.262	/
Ant.0	Level1&3	QPSK	Left Cheek	0	23780	709	1	Mid	0.10	0.058	22.15	23.00	1.216	0.071	/
	Level1&3		Left Tilt	0	23780	709	1	Mid	0.15	0.012	22.15	23.00	1.216	0.015	/
	Level1&3		Right Cheek	0	23780	709	1	Mid	0.03	0.063	22.15	23.00	1.216	0.077	/
	Level1&3		Right Tilt	0	23780	709	1	Mid	-0.01	0.016	22.15	23.00	1.216	0.019	/
	Level1&3		Left Cheek	0	23780	709	25	Low	-0.01	0.046	21.16	22.00	1.213	0.056	/
	Level1&3		Left Tilt	0	23780	709	25	Low	-0.18	0.008	21.16	22.00	1.213	0.010	/
	Level1&3		Right Cheek	0	23780	709	25	Low	0.03	0.050	21.16	22.00	1.213	0.061	/
	Level1&3		Right Tilt	0	23780	709	25	Low	0.11	0.010	21.16	22.00	1.213	0.012	/
Body-worn															
Ant.4	Level2&4	QPSK	Front Side	15	23800	711	1	Mid	0.15	0.057	22.03	22.50	1.114	0.063	/
	Level2&4		Back Side	15	23800	711	1	Mid	-0.08	0.061	22.03	22.50	1.114	0.068	/
	Level2&4		Front Side	15	23780	709	25	High	0.01	0.045	20.93	21.50	1.140	0.051	/
	Level2&4		Back Side	15	23780	709	25	High	0.18	0.048	20.93	21.50	1.140	0.055	/
Ant.0	Level2&4	QPSK	Front Side	15	23780	709	1	Mid	-0.04	0.090	22.15	23.00	1.216	0.109	/
	Level2&4		Back Side	15	23780	709	1	Mid	-0.03	0.127	22.15	23.00	1.216	**0.154**	34#
	Level2&4		Front Side	15	23780	709	25	Low	-0.01	0.073	21.16	22.00	1.213	0.089	/
	Level2&4		Back Side	15	23780	709	25	Low	0.01	0.108	21.16	22.00	1.213	0.131	/
Hotspot															
Ant.4	Level4	QPSK	Front Side	10	23800	711	1	Mid	0.07	0.054	22.03	22.50	1.114	0.060	/
	Level4		Back Side	10	23800	711	1	Mid	-0.03	0.071	22.03	22.50	1.114	0.079	/
	Level4		Right Edge	10	23800	711	1	Mid	0.06	0.079	22.03	22.50	1.114	0.088	/
	Level4		Top Edge	10	23800	711	1	Mid	0.12	0.076	22.03	22.50	1.114	0.085	/
	Level4		Front Side	10	23780	709	25	High	0.18	0.044	20.93	21.50	1.140	0.050	/
	Level4		Back Side	10	23780	709	25	High	0.03	0.059	20.93	21.50	1.140	0.067	/
	Level4		Right Edge	10	23780	709	25	High	-0.05	0.058	20.93	21.50	1.140	0.066	/
	Level4		Top Edge	10	23780	709	25	High	0.17	0.068	20.93	21.50	1.140	0.078	/
Ant.0	Level4	QPSK	Front Side	10	23780	709	1	Mid	-0.06	0.090	22.15	23.00	1.216	0.109	/
	Level4		Back Side	10	23780	709	1	Mid	0.15	0.137	22.15	23.00	1.216	0.167	/

	Level4		Left Edge	10	23780	709	1	Mid	-0.04	0.168	22.15	23.00	1.216	**0.204**	35#
	Level4		Right Edge	10	23780	709	1	Mid	-0.04	0.089	22.15	23.00	1.216	0.108	/
	Level4		Bottom Edge	10	23780	709	1	Mid	-0.13	0.112	22.15	23.00	1.216	0.136	/
	Level4		Front Side	10	23780	709	25	Low	-0.03	0.076	21.16	22.00	1.213	0.092	/
	Level4		Back Side	10	23780	709	25	Low	-0.10	0.122	21.16	22.00	1.213	0.148	/
	Level4		Left Edge	10	23780	709	25	Low	0.07	0.132	21.16	22.00	1.213	0.160	/
	Level4		Right Edge	10	23780	709	25	Low	-0.18	0.073	21.16	22.00	1.213	0.089	/
	Level4		Bottom Edge	10	23780	709	25	Low	0.02	0.093	21.16	22.00	1.213	0.113	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.															

10.12 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	1 g Scaled SAR (W/kg)	Meas. No.
Head															
Ant.4	Level1	QPSK	Left Cheek	0	132322	1745	1	Mid	0.10	0.371	16.20	17.00	1.202	0.446	/
	Level1		Left Tilt	0	132322	1745	1	Mid	0.09	0.432	16.20	17.00	1.202	0.519	/
	Level1		Right Cheek	0	132322	1745	1	Mid	0.03	0.641	16.20	17.00	1.202	0.770	/
	Level1		Right Tilt	0	132322	1745	1	Mid	-0.06	0.654	16.20	17.00	1.202	**0.786**	36#
	Level1		Left Cheek	0	132322	1745	50	Low	0.05	0.308	16.11	17.00	1.227	0.378	/
	Level1		Left Tilt	0	132322	1745	50	Low	0.06	0.357	16.11	17.00	1.227	0.438	/
	Level1		Right Cheek	0	132322	1745	50	Low	-0.08	0.535	16.11	17.00	1.227	0.656	/
	Level1		Right Tilt	0	132322	1745	50	Low	0.01	0.545	16.11	17.00	1.227	0.669	/
Ant.4	Level3	QPSK	Left Cheek	0	132322	1745	1	Mid	0.00	0.290	15.12	16.00	1.225	0.355	/
	Level3		Left Tilt	0	132322	1745	1	Mid	-0.15	0.341	15.12	16.00	1.225	0.418	/
	Level3		Right Cheek	0	132322	1745	1	Mid	0.05	0.504	15.12	16.00	1.225	0.617	/
	Level3		Right Tilt	0	132322	1745	1	Mid	0.12	0.520	15.12	16.00	1.225	0.637	/
	Level3		Left Cheek	0	132322	1745	50	High	0.12	0.241	15.15	16.00	1.216	0.293	/
	Level3		Left Tilt	0	132322	1745	50	High	0.08	0.280	15.15	16.00	1.216	0.340	/
	Level3		Right Cheek	0	132322	1745	50	High	0.04	0.422	15.15	16.00	1.216	0.513	/
	Level3		Right Tilt	0	132322	1745	50	High	0.01	0.428	15.15	16.00	1.216	0.520	/
Ant.0	Level1&3	QPSK	Left Cheek	0	132322	1745	1	Mid	0.09	0.089	22.44	23.00	1.138	0.101	/
	Level1&3		Left Tilt	0	132322	1745	1	Mid	-0.12	0.077	22.44	23.00	1.138	0.088	/
	Level1&3		Right Cheek	0	132322	1745	1	Mid	-0.10	0.138	22.44	23.00	1.138	0.157	/
	Level1&3		Right Tilt	0	132322	1745	1	Mid	0.18	0.059	22.44	23.00	1.138	0.067	/
	Level1&3		Left Cheek	0	132322	1745	50	High	-0.02	0.070	21.47	22.00	1.130	0.079	/
	Level1&3		Left Tilt	0	132322	1745	50	High	0.10	0.064	21.47	22.00	1.130	0.072	/
	Level1&3		Right Cheek	0	132322	1745	50	High	-0.04	0.101	21.47	22.00	1.130	0.114	/
	Level1&3		Right Tilt	0	132322	1745	50	High	-0.06	0.053	21.47	22.00	1.130	0.060	/
Body-worn															
Ant.4	Level2&4	QPSK	Front Side	15	132322	1745	1	Low	0.00	0.108	18.85	19.50	1.161	0.125	/
	Level2&4		Back Side	15	132322	1745	1	Low	0.12	0.132	18.85	19.50	1.161	0.153	/
	Level2&4		Front Side	15	132322	1745	50	Low	0.08	0.089	17.72	18.50	1.197	0.107	/
	Level2&4		Back Side	15	132322	1745	50	Low	0.09	0.110	17.72	18.50	1.197	0.132	/
Ant.0	Level2&4	QPSK	Front Side	15	132322	1745	1	Mid	0.14	0.234	22.44	23.00	1.138	0.266	/
	Level2&4		Back Side	15	132322	1745	1	Mid	-0.01	0.327	22.44	23.00	1.138	**0.372**	37#
	Level2&4		Front Side	15	132322	1745	50	High	0.05	0.198	21.47	22.00	1.130	0.224	/
	Level2&4		Back Side	15	132322	1745	50	High	-0.12	0.264	21.47	22.00	1.130	0.298	/
Ant.0 (NSA)	Level4	QPSK	Front Side	15	132072	1720	1	Mid	-0.03	0.163	20.89	21.50	1.151	0.188	/
	Level4		Back Side	15	132072	1720	1	Mid	0.14	0.230	20.89	21.50	1.151	0.265	/
	Level4		Front Side	15	132572	1770	50	Low	-0.11	0.156	20.91	21.50	1.146	0.179	/

	Level4		Back Side	15	132572	1770	50	Low	-0.12	0.231	20.91	21.50	1.146	0.265	/
Hotspot															
Ant.4	Level4	QPSK	Front Side	10	132322	1745	1	Low	0.02	0.247	18.85	19.50	1.161	0.287	/
	Level4		Back Side	10	132322	1745	1	Low	0.16	0.336	18.85	19.50	1.161	0.390	/
	Level4		Right Edge	10	132322	1745	1	Low	-0.16	0.096	18.85	19.50	1.161	0.111	/
	Level4		Top Edge	10	132322	1745	1	Low	0.02	0.393	18.85	19.50	1.161	0.456	/
	Level4		Front Side	10	132322	1745	50	Low	-0.17	0.208	17.72	18.50	1.197	0.249	/
	Level4		Back Side	10	132322	1745	50	Low	0.12	0.275	17.72	18.50	1.197	0.329	/
	Level4		Right Edge	10	132322	1745	50	Low	0.16	0.084	17.72	18.50	1.197	0.101	/
	Level4		Top Edge	10	132322	1745	50	Low	-0.03	0.308	17.72	18.50	1.197	0.369	/
Ant.0	Level4	QPSK	Front Side	10	132322	1745	1	Mid	-0.12	0.467	22.44	23.00	1.138	0.531	/
	Level4		Back Side	10	132322	1745	1	Mid	0.04	0.636	22.44	23.00	1.138	0.724	/
	Level4		Left Edge	10	132322	1745	1	Mid	-0.16	0.108	22.44	23.00	1.138	0.123	/
	Level4		Right Edge	10	132322	1745	1	Mid	0.08	0.094	22.44	23.00	1.138	0.107	/
	Level4		Bottom Edge	10	132322	1745	1	Mid	0.06	0.965	22.44	23.00	1.138	**1.098**	38#
	Level4		Bottom Edge	10	132072	1720	1	Mid	-0.04	0.936	22.36	23.00	1.159	1.085	/
	Level4		Bottom Edge	10	132572	1770	1	Mid	0.00	0.921	22.35	23.00	1.161	1.069	/
	Level4		Front Side	10	132322	1745	50	High	-0.03	0.389	21.47	22.00	1.130	0.440	/
	Level4		Back Side	10	132322	1745	50	High	-0.08	0.519	21.47	22.00	1.130	0.586	/
	Level4		Left Edge	10	132322	1745	50	High	-0.07	0.088	21.47	22.00	1.130	0.099	/
	Level4		Right Edge	10	132322	1745	50	High	-0.04	0.082	21.47	22.00	1.130	0.093	/
	Level4		Bottom Edge	10	132322	1745	50	High	-0.12	0.794	21.47	22.00	1.130	0.897	/
	Level4		Bottom Edge	10	132072	1720	50	Mid	0.10	0.756	21.29	22.00	1.178	0.891	/
	Level4		Bottom Edge	10	132572	1770	50	Low	0.15	0.775	21.46	22.00	1.132	0.877	/
	Level4		Bottom Edge	10	132572	1770	100	Low	0.05	0.768	21.45	22.00	1.135	0.872	/
Ant.0 (NSA)	Level4	QPSK	Front Side	10	132072	1720	1	Mid	-0.12	0.323	20.89	21.50	1.151	0.372	/
	Level4		Back Side	10	132072	1720	1	Mid	0.04	0.395	20.89	21.50	1.151	0.455	/
	Level4		Left Edge	10	132072	1720	1	Mid	-0.09	0.074	20.89	21.50	1.151	0.085	/
	Level4		Right Edge	10	132072	1720	1	Mid	-0.05	0.065	20.89	21.50	1.151	0.075	/
	Level4		Bottom Edge	10	132072	1720	1	Mid	0.11	0.672	20.89	21.50	1.151	0.773	/
	Level4		Front Side	10	132572	1770	50	Low	-0.04	0.338	20.91	21.50	1.146	0.387	/
	Level4		Back Side	10	132572	1770	50	Low	0.02	0.405	20.91	21.50	1.146	0.464	/
	Level4		Left Edge	10	132572	1770	50	Low	0.04	0.075	20.91	21.50	1.146	0.086	/
	Level4		Right Edge	10	132572	1770	50	Low	-0.08	0.070	20.91	21.50	1.146	0.080	/
	Level4		Bottom Edge	10	132572	1770	50	Low	0.02	0.685	20.91	21.50	1.146	0.785	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.															

10.13 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	1 g Scaled SAR (W/kg)	Meas. No.
Head															
Ant.1	Level1&3	QPSK	Left Cheek	0	38000	2595	1	Low	-0.04	0.170	22.68	23.50	1.208	**0.205**	39#
	Level1&3		Left Tilt	0	38000	2595	1	Low	0.02	0.054	22.68	23.50	1.208	0.065	/
	Level1&3		Right Cheek	0	38000	2595	1	Low	-0.05	0.099	22.68	23.50	1.208	0.120	/
	Level1&3		Right Tilt	0	38000	2595	1	Low	0.06	0.090	22.68	23.50	1.208	0.109	/
	Level1&3		Left Cheek	0	38000	2595	50	Low	-0.02	0.145	21.77	22.50	1.183	0.172	/
	Level1&3		Left Tilt	0	38000	2595	50	Low	-0.03	0.045	21.77	22.50	1.183	0.053	/
	Level1&3		Right Cheek	0	38000	2595	50	Low	0.07	0.076	21.77	22.50	1.183	0.090	/
	Level1&3		Right Tilt	0	38000	2595	50	Low	0.02	0.082	21.77	22.50	1.183	0.097	/
Body-worn															
Ant.1	Level2&4	QPSK	Front Side	15	38000	2595	1	Low	-0.03	0.126	22.68	23.50	1.208	0.152	/
	Level2&4		Back Side	15	38000	2595	1	Low	-0.02	0.156	22.68	23.50	1.208	**0.188**	40#
	Level2&4		Front Side	15	38000	2595	50	Low	0.13	0.104	21.77	22.50	1.183	0.123	/
	Level2&4		Back Side	15	38000	2595	50	Low	0.01	0.102	21.77	22.50	1.183	0.121	/
Hotspot															
Ant.1	Level4	QPSK	Front Side	10	38000	2595	1	Low	-0.01	0.200	22.68	23.50	1.208	0.242	/
	Level4		Back Side	10	38000	2595	1	Low	-0.06	0.245	22.68	23.50	1.208	**0.296**	41#
	Level4		Right Edge	10	38000	2595	1	Low	-0.14	0.173	22.68	23.50	1.208	0.209	/
	Level4		Bottom Edge	10	38000	2595	1	Low	-0.09	0.129	22.68	23.50	1.208	0.156	/
	Level4		Front Side	10	38000	2595	50	Low	0.03	0.180	21.77	22.50	1.183	0.213	/
	Level4		Back Side	10	38000	2595	50	Low	-0.08	0.199	21.77	22.50	1.183	0.235	/
	Level4		Right Edge	10	38000	2595	50	Low	-0.15	0.205	21.77	22.50	1.183	0.243	/
	Level4		Bottom Edge	10	38000	2595	50	Low	0.04	0.105	21.77	22.50	1.183	0.124	/

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

10.14 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	1 g Scaled SAR (W/kg)	Meas. No.
Head															
Ant.4	Level1	QPSK	Left Cheek	0	40620	2593	1	Low	0.12	0.213	19.19	20.00	1.205	0.257	/
	Level1		Left Tilt	0	40620	2593	1	Low	0.12	0.279	19.19	20.00	1.205	0.336	/
	Level1		Right Cheek	0	40620	2593	1	Low	0.14	0.528	19.19	20.00	1.205	0.636	/
	Level1		Right Tilt	0	40620	2593	1	Low	-0.06	0.555	19.19	20.00	1.205	**0.669**	42#
	Level1		Left Cheek	0	39750	2506	50	Low	0.09	0.210	19.19	20.00	1.205	0.253	/
	Level1		Left Tilt	0	39750	2506	50	Low	0.10	0.273	19.19	20.00	1.205	0.329	/
	Level1		Right Cheek	0	39750	2506	50	Low	-0.12	0.519	19.19	20.00	1.205	0.625	/
	Level1		Right Tilt	0	39750	2506	50	Low	0.03	0.547	19.19	20.00	1.205	0.659	/
Ant.4	Level3	QPSK	Left Cheek	0	40185	2549.5	1	High	-0.12	0.169	18.17	19.00	1.211	0.205	/
	Level3		Left Tilt	0	40185	2549.5	1	High	0.12	0.222	18.17	19.00	1.211	0.269	/
	Level3		Right Cheek	0	40185	2549.5	1	High	0.00	0.415	18.17	19.00	1.211	0.503	/
	Level3		Right Tilt	0	40185	2549.5	1	High	-0.12	0.442	18.17	19.00	1.211	0.535	/
	Level3		Left Cheek	0	41490	2680	50	Mid	-0.07	0.167	18.20	19.00	1.202	0.201	/
	Level3		Left Tilt	0	41490	2680	50	Mid	0.05	0.217	18.20	19.00	1.202	0.261	/
	Level3		Right Cheek	0	41490	2680	50	Mid	-0.11	0.410	18.20	19.00	1.202	0.493	/
	Level3		Right Tilt	0	41490	2680	50	Mid	0.10	0.433	18.20	19.00	1.202	0.520	/
Ant.1	Level1&3	QPSK	Left Cheek	0	41055	2636.5	1	Low	-0.13	0.206	25.00	25.50	1.122	0.231	/
	Level1&3		Left Tilt	0	41055	2636.5	1	Low	0.06	0.063	25.00	25.50	1.122	0.071	/
	Level1&3		Right Cheek	0	41055	2636.5	1	Low	-0.14	0.124	25.00	25.50	1.122	0.139	/
	Level1&3		Right Tilt	0	41055	2636.5	1	Low	-0.07	0.105	25.00	25.50	1.122	0.118	/
	Level1&3		Left Cheek	0	39750	2506	50	Mid	0.10	0.202	25.07	25.50	1.104	0.223	/
	Level1&3		Left Tilt	0	39750	2506	50	Mid	0.06	0.059	25.07	25.50	1.104	0.065	/
	Level1&3		Right Cheek	0	39750	2506	50	Mid	-0.10	0.121	25.07	25.50	1.104	0.134	/
	Level1&3		Right Tilt	0	39750	2506	50	Mid	-0.12	0.108	25.07	25.50	1.104	0.119	/
Body-worn															
Ant.4	Level2	QPSK	Front Side	15	40620	2593	1	High	0.13	0.156	22.69	23.50	1.205	0.188	/
	Level2		Back Side	15	40620	2593	1	High	-0.13	0.410	22.69	23.50	1.205	**0.494**	43#
	Level2		Front Side	15	40185	2549.5	50	Mid	-0.08	0.153	22.70	23.50	1.202	0.184	/
	Level2		Back Side	15	40185	2549.5	50	Mid	0.06	0.406	22.70	23.50	1.202	0.488	/
Ant.4	Level4	QPSK	Front Side	15	41055	2636.5	1	Low	-0.06	0.096	20.67	21.50	1.211	0.116	/
	Level4		Back Side	15	41055	2636.5	1	Low	-0.03	0.257	20.67	21.50	1.211	0.311	/
	Level4		Front Side	15	39750	2506	50	High	-0.09	0.092	20.70	21.50	1.202	0.111	/
	Level4		Back Side	15	39750	2506	50	High	-0.05	0.255	20.70	21.50	1.202	0.307	/
Ant.1 (NSA)	Level2&4	QPSK	Front Side	15	41055	2636.5	1	Low	0.01	0.131	25.00	25.50	1.122	0.147	/
	Level2&4		Back Side	15	41055	2636.5	1	Low	0.13	0.172	25.00	25.50	1.122	0.193	/
	Level2&4		Front Side	15	39750	2506	50	Mid	-0.07	0.124	25.07	25.50	1.104	0.137	/

	Level2&4		Back Side	15	39750	2506	50	Mid	-0.04	0.167	25.07	25.50	1.104	0.184	/
Hotspot															
	Level4		Front Side	10	41055	2636.5	1	Low	-0.15	0.209	20.67	21.50	1.211	0.253	/
	Level4		Back Side	10	41055	2636.5	1	Low	0.09	0.529	20.67	21.50	1.211	0.641	/
	Level4		Right Edge	10	41055	2636.5	1	Low	-0.03	0.062	20.67	21.50	1.211	0.075	/
	Level4		Top Edge	10	41055	2636.5	1	Low	0.01	0.740	20.67	21.50	1.211	0.896	/
	Level4		Top Edge	10	39750	2506	1	Low	0.09	0.734	20.63	21.50	1.222	0.897	/
	Level4		Top Edge	10	40185	2549.5	1	Mid	-0.01	0.722	20.66	21.50	1.213	0.876	/
	Level4		Top Edge	10	40620	2593	1	Mid	0.01	0.778	20.48	21.50	1.265	**0.984**	44#
	Level4		Top Edge	10	41490	2680	1	High	0.15	0.724	20.65	21.50	1.216	0.880	/
Ant.4	Level4	QPSK	Front Side	10	39750	2506	50	High	0.03	0.167	20.70	21.50	1.202	0.201	/
	Level4		Back Side	10	39750	2506	50	High	-0.12	0.422	20.70	21.50	1.202	0.507	/
	Level4		Right Edge	10	39750	2506	50	High	-0.07	0.051	20.70	21.50	1.202	0.061	/
	Level4		Top Edge	10	39750	2506	50	High	0.06	0.614	20.70	21.50	1.202	0.738	/
	Level4		Top Edge	10	40185	2549.5	50	Low	0.13	0.620	20.62	21.50	1.225	0.760	/
	Level4		Top Edge	10	40620	2593	50	Low	0.05	0.633	20.59	21.50	1.233	0.780	/
	Level4		Top Edge	10	41055	2636.5	50	High	0.14	0.654	20.65	21.50	1.216	0.795	/
	Level4		Top Edge	10	41490	2680	50	Mid	-0.08	0.649	20.55	21.50	1.245	0.808	/
	Level4		Top Edge	10	41055	2636.5	100	Low	0.05	0.645	20.68	21.50	1.208	0.779	/
	Level4		Front Side	10	41055	2636.5	1	Low	-0.11	0.251	25.00	25.50	1.122	0.282	/
	Level4		Back Side	10	41055	2636.5	1	Low	0.10	0.305	25.00	25.50	1.122	0.342	/
	Level4		Right Edge	10	41055	2636.5	1	Low	0.03	0.215	25.00	25.50	1.122	0.241	/
Ant.1	Level4	QPSK	Bottom Edge	10	41055	2636.5	1	Low	-0.11	0.166	25.00	25.50	1.122	0.186	/
(NSA)	Level4		Front Side	10	39750	2506	50	Mid	0.14	0.227	25.07	25.50	1.104	0.251	/
	Level4		Back Side	10	39750	2506	50	Mid	-0.10	0.245	25.07	25.50	1.104	0.270	/
	Level4		Right Edge	10	39750	2506	50	Mid	0.04	0.253	25.07	25.50	1.104	0.279	/
	Level4		Bottom Edge	10	39750	2506	50	Mid	-0.06	0.133	25.07	25.50	1.104	0.147	/

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

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	10 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	10 g Scaled SAR (W/kg)	Meas. No.
Specific															
Ant.4	Level2	QPSK	Back Side	0	40620	2593	1	High	-0.15	1.060	22.69	23.50	1.205	1.277	/
	Level2		Top Edge	0	40620	2593	1	High	0.01	1.620	22.69	23.50	1.205	**1.952**	45#
	Level2		Back Side	0	40185	2549.5	50	Mid	0.12	1.030	22.70	23.50	1.202	1.238	/
	Level2		Top Edge	0	40185	2549.5	50	Mid	-0.13	1.530	22.70	23.50	1.202	1.839	/
Ant.4	Level4	QPSK	Back Side	0	41055	2636.5	1	Low	0.04	0.680	20.67	21.50	1.211	0.823	/
	Level4		Top Edge	0	41055	2636.5	1	Low	0.12	1.030	20.67	21.50	1.211	1.247	/
	Level4		Back Side	0	39750	2506	50	High	-0.14	0.659	20.70	21.50	1.202	0.792	/
	Level4		Top Edge	0	39750	2506	50	High	0.13	0.983	20.70	21.50	1.202	1.182	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.															

10.15 LTE Band 42 (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	1 g Scaled SAR (W/kg)	Meas. No.
Head															
Ant.5	Level1	QPSK	Left Cheek	0	42340	3475	1	Mid	0.00	0.535	18.26	19.00	1.186	0.635	/
	Level1		Left Tilt	0	42340	3475	1	Mid	0.09	0.514	18.26	19.00	1.186	0.610	/
	Level1		Right Cheek	0	42340	3475	1	Mid	0.08	0.348	18.26	19.00	1.186	0.413	/
	Level1		Right Tilt	0	42340	3475	1	Mid	0.02	0.353	18.26	19.00	1.186	0.419	/
	Level1		Left Cheek	0	41690	3410	50	Mid	-0.01	0.548	18.29	19.00	1.178	**0.646**	46#
	Level1		Left Tilt	0	41690	3410	50	Mid	-0.05	0.520	18.29	19.00	1.178	0.613	/
	Level1		Right Cheek	0	41690	3410	50	Mid	0.03	0.352	18.29	19.00	1.178	0.415	/
	Level1		Right Tilt	0	41690	3410	50	Mid	0.00	0.365	18.29	19.00	1.178	0.430	/
Ant.5	Level3	QPSK	Left Cheek	0	42340	3475	1	High	0.03	0.433	17.28	18.00	1.180	0.511	/
	Level3		Left Tilt	0	42340	3475	1	High	0.10	0.416	17.28	18.00	1.180	0.491	/
	Level3		Right Cheek	0	42340	3475	1	High	0.02	0.269	17.28	18.00	1.180	0.317	/
	Level3		Right Tilt	0	42340	3475	1	High	0.05	0.281	17.28	18.00	1.180	0.332	/
	Level3		Left Cheek	0	42990	3540	50	Mid	-0.06	0.435	17.30	18.00	1.175	0.511	/
	Level3		Left Tilt	0	42990	3540	50	Mid	0.05	0.405	17.30	18.00	1.175	0.476	/
	Level3		Right Cheek	0	42990	3540	50	Mid	0.09	0.278	17.30	18.00	1.175	0.327	/
	Level3		Right Tilt	0	42990	3540	50	Mid	-0.09	0.293	17.30	18.00	1.175	0.344	/
Body-worn															
Ant.5	Level2&4	QPSK	Front Side	15	42340	3475	1	Mid	0.00	0.143	22.39	23.00	1.151	0.165	/
	Level2&4		Back Side	15	42340	3475	1	Mid	0.03	0.198	22.39	23.00	1.151	**0.228**	47#
	Level2&4		Front Side	15	42990	3540	50	Mid	0.04	0.116	21.42	22.00	1.143	0.133	/
	Level2&4		Back Side	15	42990	3540	50	Mid	0.06	0.167	21.42	22.00	1.143	0.191	/
Hotspot															
Ant.5	Level4	QPSK	Front Side	10	42340	3475	1	Mid	-0.07	0.279	22.39	23.00	1.151	0.321	/
	Level4		Back Side	10	42340	3475	1	Mid	0.04	0.502	22.39	23.00	1.151	**0.574**	48#
	Level4		Left Edge	10	42340	3475	1	Mid	0.06	0.370	22.39	23.00	1.151	0.426	/
	Level4		Top Edge	10	42340	3475	1	Mid	0.040	0.499	22.39	23.00	1.151	0.578	/
	Level4		Front Side	10	42990	3540	50	Mid	-0.06	0.206	21.42	22.00	1.143	0.235	/
	Level4		Back Side	10	42990	3540	50	Mid	0.08	0.425	21.42	22.00	1.143	0.458	/
	Level4		Left Edge	10	42990	3540	50	Mid	-0.12	0.275	21.42	22.00	1.143	0.314	/
	Level4		Top Edge	10	42990	3540	50	Mid	-0.03	0.401	21.42	22.00	1.143	0.486	/

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

10.16 n5 (20MHz Bandwidth)

Antenna	Power Reduction	Mode	Information	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.4	Level1&3	DFT-s-OFDM BPSK	SA	Left Cheek	0	167800	839	1	1	-0.03	0.350	20.86	21.00	1.033	0.361	/
	Level1&3			Left Tilt	0	167800	839	1	1	-0.13	0.355	20.86	21.00	1.033	0.367	/
	Level1&3			Right Cheek	0	167800	839	1	1	-0.08	0.586	20.86	21.00	1.033	**0.605**	49#
	Level1&3			Right Tilt	0	167800	839	1	1	-0.08	0.574	20.86	21.00	1.033	0.593	/
	Level1&3			Left Cheek	0	166800	834	50	28	0.14	0.305	20.74	21.00	1.062	0.324	/
	Level1&3			Left Tilt	0	166800	834	50	28	0.12	0.287	20.74	21.00	1.062	0.305	/
	Level1&3			Right Cheek	0	166800	834	50	28	0.08	0.498	20.74	21.00	1.062	0.529	/
	Level1&3			Right Tilt	0	166800	834	50	28	0.02	0.469	20.74	21.00	1.062	0.498	/
Ant.0	Level1&3	DFT-s-OFDM BPSK	SA&NSA	Left Cheek	0	167300	836.5	1	1	0.11	0.103	22.38	23.00	1.153	0.119	/
	Level1&3			Left Tilt	0	167300	836.5	1	1	-0.14	0.061	22.38	23.00	1.153	0.070	/
	Level1&3			Right Cheek	0	167300	836.5	1	1	-0.03	0.128	22.38	23.00	1.153	0.148	/
	Level1&3			Right Tilt	0	167300	836.5	1	1	0.06	0.084	22.38	23.00	1.153	0.097	/
	Level1&3			Left Cheek	0	166800	834	50	28	-0.14	0.090	22.47	23.00	1.130	0.102	/
	Level1&3			Left Tilt	0	166800	834	50	28	0.13	0.048	22.47	23.00	1.130	0.054	/
	Level1&3			Right Cheek	0	166800	834	50	28	0.12	0.102	22.47	23.00	1.130	0.115	/
	Level1&3			Right Tilt	0	166800	834	50	28	0.10	0.062	22.47	23.00	1.130	0.070	/
Body-worn																
Ant.4	Level2&4	DFT-s-OFDM BPSK	SA	Front Side	15	167800	839	1	1	0.09	0.029	20.86	21.00	1.033	0.030	/
	Level2&4			Back Side	15	167800	839	1	1	-0.01	0.049	20.86	21.00	1.033	0.051	/
	Level2&4			Front Side	15	166800	834	50	28	-0.15	0.045	20.74	21.00	1.062	0.048	/
	Level2&4			Back Side	15	166800	834	50	28	-0.04	0.054	20.74	21.00	1.062	0.057	/
Ant.0	Level2&4	DFT-s-OFDM BPSK	SA&NSA	Front Side	15	167300	836.5	1	1	-0.03	0.031	22.38	23.00	1.153	0.036	/
	Level2&4			Back Side	15	167300	836.5	1	1	0.05	0.071	22.38	23.00	1.153	0.082	/
	Level2&4			Front Side	15	166800	834	50	0	-0.10	0.046	22.47	23.00	1.130	0.052	/
	Level2&4			Back Side	15	166800	834	50	0	-0.13	0.074	22.47	23.00	1.130	**0.084**	50#
Hotspot																
Ant.4	Level4	DFT-s-OFDM BPSK	SA	Front Side	10	167800	839	1	1	-0.07	0.039	20.86	21.00	1.033	0.040	/
	Level4			Back Side	10	167800	839	1	1	-0.14	0.055	20.86	21.00	1.033	0.057	/
	Level4			Right Edge	10	167800	839	1	1	-0.12	0.027	20.86	21.00	1.033	0.028	/
	Level4			Top Edge	10	167800	839	1	1	-0.13	0.064	20.86	21.00	1.033	0.066	/
	Level4			Front Side	10	166800	834	50	28	-0.06	0.034	20.74	21.00	1.062	0.036	/
	Level4			Back Side	10	166800	834	50	28	0.01	0.046	20.74	21.00	1.062	0.049	/
	Level4			Right Edge	10	166800	834	50	28	-0.03	0.000	20.74	21.00	1.062	0.000	/
	Level4			Top Edge	10	166800	834	50	28	0.10	0.053	20.74	21.00	1.062	0.056	/
Ant.0	Level4		SA&NSA	Front Side	10	167300	836.5	1	53	0.07	0.131	22.38	23.00	1.153	0.151	/
	Level4			Back Side	10	167300	836.5	1	53	-0.08	0.170	22.38	23.00	1.153	0.196	/

	Level4	DFT-s-OFDM BPSK		Left Edge	10	167300	836.5	1	53	0.02	0.070	22.38	23.00	1.153	0.081	/
	Level4			Right Edge	10	167300	836.5	1	53	-0.05	0.000	22.38	23.00	1.153	0.000	/
	Level4			Bottom Edge	10	167300	836.5	1	53	0.14	0.116	22.38	23.00	1.153	0.134	/
	Level4			Front Side	10	166800	834	50	28	-0.14	0.101	22.47	23.00	1.130	0.114	/
	Level4			Back Side	10	166800	834	50	28	-0.06	0.182	22.47	23.00	1.130	**0.206**	51#
	Level4			Left Edge	10	166800	834	50	28	-0.13	0.060	22.47	23.00	1.130	0.068	/
	Level4			Right Edge	10	166800	834	50	28	0.03	0.000	22.47	23.00	1.130	0.000	/
	Level4			Bottom Edge	10	166800	834	50	28	-0.06	0.141	22.47	23.00	1.130	0.159	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.																

10.17 n7 (20MHz Bandwidth)

Antenna	Power Reduction	Mode	Information	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.1	Level1&3	DFT-s-OFDM BPSK	SA	Left Cheek	0	507000	2535	1	53	-0.04	0.247	22.36	23.00	1.159	0.286	/
	Level1&3			Left Tilt	0	507000	2535	1	53	-0.06	0.080	22.36	23.00	1.159	0.093	/
	Level1&3			Right Cheek	0	507000	2535	1	53	-0.12	0.146	22.36	23.00	1.159	0.169	/
	Level1&3			Right Tilt	0	507000	2535	1	53	0.03	0.126	22.36	23.00	1.159	0.146	/
	Level1&3			Left Cheek	0	507000	2535	50	28	0.01	0.241	22.49	23.00	1.125	0.271	/
	Level1&3			Left Tilt	0	507000	2535	50	28	-0.01	0.070	22.49	23.00	1.125	0.079	/
	Level1&3			Right Cheek	0	507000	2535	50	28	-0.06	0.132	22.49	23.00	1.125	0.148	/
	Level1&3			Right Tilt	0	507000	2535	50	28	-0.09	0.115	22.49	23.00	1.125	0.129	/
Ant.4	Level1	DFT-s-OFDM BPSK	NSA	Left Cheek	0	507000	2535	1	53	-0.02	0.221	17.37	18.00	1.156	0.256	/
	Level1			Left Tilt	0	507000	2535	1	53	0.07	0.282	17.37	18.00	1.156	0.326	/
	Level1			Right Cheek	0	507000	2535	1	53	-0.13	0.481	17.37	18.00	1.156	0.556	/
	Level1			Right Tilt	0	507000	2535	1	53	-0.12	0.495	17.37	18.00	1.156	**0.572**	52#
	Level1			Left Cheek	0	507000	2535	50	28	-0.14	0.213	17.38	18.00	1.153	0.246	/
	Level1			Left Tilt	0	507000	2535	50	28	-0.09	0.272	17.38	18.00	1.153	0.314	/
	Level1			Right Cheek	0	507000	2535	50	28	-0.15	0.464	17.38	18.00	1.153	0.535	/
	Level1			Right Tilt	0	507000	2535	50	28	-0.13	0.479	17.38	18.00	1.153	0.553	/
Ant.4	Level3	DFT-s-OFDM BPSK	NSA	Left Cheek	0	507000	2535	1	53	0.06	0.174	17.37	18.00	1.156	0.201	/
	Level3			Left Tilt	0	507000	2535	1	53	-0.08	0.222	17.37	18.00	1.156	0.257	/
	Level3			Right Cheek	0	507000	2535	1	53	-0.13	0.380	17.37	18.00	1.156	0.439	/
	Level3			Right Tilt	0	507000	2535	1	53	-0.15	0.391	17.37	18.00	1.156	0.452	/
	Level3			Left Cheek	0	507000	2535	50	28	0.05	0.168	17.38	18.00	1.153	0.194	/
	Level3			Left Tilt	0	507000	2535	50	28	0.00	0.214	17.38	18.00	1.153	0.247	/
	Level3			Right Cheek	0	507000	2535	50	28	0.01	0.365	17.38	18.00	1.153	0.421	/
	Level3			Right Tilt	0	507000	2535	50	28	-0.14	0.378	17.38	18.00	1.153	0.436	/
Body-worn																
Ant.1	Level2&4	DFT-s-OFDM BPSK	SA	Front Side	15	507000	2535	1	53	0.03	0.145	22.36	23.00	1.159	0.168	/
	Level2&4			Back Side	15	507000	2535	1	53	0.08	0.181	22.36	23.00	1.159	0.210	/
	Level2&4			Front Side	15	507000	2535	50	28	0.08	0.148	22.49	23.00	1.125	0.166	/
	Level2&4			Back Side	15	507000	2535	50	28	0.02	0.188	22.49	23.00	1.125	**0.211**	53#
Ant.4	Level2	DFT-s-OFDM BPSK	NSA	Front Side	15	507000	2535	1	53	0.00	0.077	20.31	21.00	1.172	0.090	/
	Level2			Back Side	15	507000	2535	1	53	0.06	0.164	20.31	21.00	1.172	0.192	/
	Level2			Front Side	15	507000	2535	50	28	-0.05	0.070	20.49	21.00	1.125	0.079	/
	Level2			Back Side	15	507000	2535	50	28	-0.11	0.149	20.49	21.00	1.125	0.168	/
Ant.4	Level4	DFT-s-	NSA	Front Side	15	507000	2535	1	53	0.08	0.051	18.40	19.00	1.148	0.059	/
	Level4			Back Side	15	507000	2535	1	53	0.00	0.105	18.40	19.00	1.148	0.121	/
	Level4			Front Side	15	507000	2535	50	28	-0.12	0.046	18.36	19.00	1.159	0.053	/

	Level4	OFDM BPSK		Back Side	15	507000	2535	50	28	-0.06	0.095	18.36	19.00	1.159	0.110	/
Hotspot																
Ant.1	Level4	DFT-s-OFDM BPSK	SA	Front Side	10	507000	2535	1	53	-0.13	0.679	22.36	23.00	1.159	0.787	/
	Level4			Back Side	10	507000	2535	1	53	-0.10	0.829	22.36	23.00	1.159	**0.961**	54#
	Level4			Right Edge	10	507000	2535	1	53	0.09	0.569	22.36	23.00	1.159	0.659	/
	Level4			Bottom Edge	10	507000	2535	1	53	-0.13	0.404	22.36	23.00	1.159	0.468	/
	Level4			Back Side	10	502000	2510	1	1	0.05	0.812	22.31	23.00	1.172	0.952	/
	Level4			Back Side	10	512000	2560	1	104	0.02	0.772	22.16	23.00	1.213	0.937	/
	Level4			Front Side	10	507000	2535	50	28	-0.14	0.584	22.49	23.00	1.125	0.657	/
	Level4			Back Side	10	507000	2535	50	28	-0.12	0.821	22.49	23.00	1.125	0.923	/
	Level4			Right Edge	10	507000	2535	50	28	-0.04	0.025	22.49	23.00	1.125	0.028	/
	Level4			Bottom Edge	10	507000	2535	50	28	-0.13	0.341	22.49	23.00	1.125	0.383	/
	Level4			Back Side	10	502000	2510	50	28	-0.07	0.802	22.44	23.00	1.138	0.912	/
	Level4			Back Side	10	512000	2560	50	28	-0.12	0.783	22.46	23.00	1.132	0.887	/
	Level4			Back Side	10	507000	2535	100	0	0.05	0.751	21.92	22.00	1.019	0.765	/
Ant.4	Level4	DFT-s-OFDM BPSK	NSA	Front Side	10	507000	2535	1	53	-0.05	0.177	18.40	19.00	1.148	0.203	/
	Level4			Back Side	10	507000	2535	1	53	0.11	0.390	18.40	19.00	1.148	0.448	/
	Level4			Right Edge	10	507000	2535	1	53	-0.05	0.050	18.40	19.00	1.148	0.057	/
	Level4			Top Edge	10	507000	2535	1	53	-0.14	0.580	18.40	19.00	1.148	0.666	/
	Level4			Front Side	10	507000	2535	50	28	0.05	0.156	18.36	19.00	1.159	0.181	/
	Level4			Back Side	10	507000	2535	50	28	-0.01	0.362	18.36	19.00	1.159	0.419	/
	Level4			Right Edge	10	507000	2535	50	28	0.12	0.046	18.36	19.00	1.159	0.053	/
	Level4			Top Edge	10	507000	2535	50	28	-0.02	0.538	18.36	19.00	1.159	0.623	/

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

Antenna	Power Reduction	Mode	Information	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	10 g Meas SAR (W/kg)	Meas. Power(dBm)	Max. tune-power (dBm)	Scaling Factor	10g Scaled SAR (W/kg)	Meas. No.
Specific																
Ant.4	Level2	DFT-s-OFDM BPSK	NSA	Back Side	0	507000	2535	1	53	0.05	1.350	20.31	21.00	1.172	1.582	/
	Level2			Top Edge	0	507000	2535	1	53	-0.01	1.880	20.31	21.00	1.172	**2.204**	55#
	Level2			Top Edge	0	502000	2510	1	104	-0.01	1.820	20.19	21.00	1.205	2.193	/
	Level2			Top Edge	0	512000	2560	1	104	0.15	1.840	20.22	21.00	1.197	2.202	/
	Level2			Back Side	0	507000	2535	50	28	0.10	1.390	20.49	21.00	1.125	1.563	/
	Level2			Top Edge	0	507000	2535	50	28	0.08	1.620	20.49	21.00	1.125	1.822	/
	Level2			Top Edge	0	502000	2510	100	0	0.04	1.500	19.91	21.00	1.285	1.928	/
Ant.4	Level4	DFT-s-OFDM BPSK	NSA	Back Side	0	507000	2535	1	53	0.07	0.830	18.40	19.00	1.148	0.953	/
	Level4			Top Edge	0	507000	2535	1	53	0.10	1.170	18.40	19.00	1.148	1.343	/
	Level4			Back Side	0	507000	2535	50	28	-0.13	0.859	18.36	19.00	1.159	0.995	/
	Level4			Top Edge	0	507000	2535	50	28	-0.13	0.986	18.36	19.00	1.159	1.143	/

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

10.18 n12 (15MHz Bandwidth)

Antenna	Power Reduction	Mode	Information	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.4	Level1&3	DFT-s-OFDM BPSK	SA	Left Cheek	0	141500	707.5	1	40	0.01	0.141	21.43	22.50	1.279	0.180	/
	Level1&3			Left Tilt	0	141500	707.5	1	40	0.03	0.155	21.43	22.50	1.279	0.198	/
	Level1&3			Right Cheek	0	141500	707.5	1	40	0.06	0.228	21.43	22.50	1.279	0.292	/
	Level1&3			Right Tilt	0	141500	707.5	1	40	0.00	0.263	21.43	22.50	1.279	**0.336**	56#
	Level1&3			Left Cheek	0	141500	707.5	36	22	0.14	0.142	21.46	22.50	1.271	0.180	/
	Level1&3			Left Tilt	0	141500	707.5	36	22	-0.15	0.157	21.46	22.50	1.271	0.199	/
	Level1&3			Right Cheek	0	141500	707.5	36	22	0.07	0.221	21.46	22.50	1.271	0.281	/
	Level1&3			Right Tilt	0	141500	707.5	36	22	0.06	0.242	21.46	22.50	1.271	0.307	/
Ant.0	Level1&3	DFT-s-OFDM BPSK	SA	Left Cheek	0	141500	707.5	1	40	-0.01	0.043	22.19	23.00	1.205	0.052	/
	Level1&3			Left Tilt	0	141500	707.5	1	40	0.02	0.019	22.19	23.00	1.205	0.023	/
	Level1&3			Right Cheek	0	141500	707.5	1	40	0.07	0.050	22.19	23.00	1.205	0.060	/
	Level1&3			Right Tilt	0	141500	707.5	1	40	0.05	0.021	22.19	23.00	1.205	0.025	/
	Level1&3			Left Cheek	0	141500	707.5	36	22	-0.04	0.038	22.16	23.00	1.213	0.046	/
	Level1&3			Left Tilt	0	141500	707.5	36	22	0.06	0.018	22.16	23.00	1.213	0.022	/
	Level1&3			Right Cheek	0	141500	707.5	36	22	-0.08	0.048	22.16	23.00	1.213	0.058	/
	Level1&3			Right Tilt	0	141500	707.5	36	22	0.06	0.019	22.16	23.00	1.213	0.023	/
Body-worn																
Ant.4	Level2&4	DFT-s-OFDM BPSK	SA	Front Side	15	141500	707.5	1	40	-0.07	0.021	21.43	22.50	1.279	0.027	/
	Level2&4			Back Side	15	141500	707.5	1	40	-0.09	0.049	21.43	22.50	1.279	0.063	/
	Level2&4			Front Side	15	141500	707.5	36	22	-0.04	0.019	21.46	22.50	1.271	0.024	/
	Level2&4			Back Side	15	141500	707.5	36	22	-0.10	0.053	21.46	22.50	1.271	0.067	/
Ant.0	Level2&4	DFT-s-OFDM BPSK	SA	Front Side	15	141500	707.5	1	40	-0.12	0.032	22.19	23.00	1.205	0.039	/
	Level2&4			Back Side	15	141500	707.5	1	40	0.08	0.081	22.19	23.00	1.205	0.098	/
	Level2&4			Front Side	15	141500	707.5	36	22	0.02	0.034	22.16	23.00	1.213	0.041	/
	Level2&4			Back Side	15	141500	707.5	36	22	0.09	0.088	22.16	23.00	1.213	**0.107**	57#
Hotspot																
Ant.4	Level4	DFT-s-OFDM BPSK	SA	Front Side	10	141500	707.5	1	1	0.05	0.029	21.43	22.50	1.279	0.037	/
	Level4			Back Side	10	141500	707.5	1	1	-0.07	0.058	21.43	22.50	1.279	0.074	/
	Level4			Right Edge	10	141500	707.5	1	1	0.03	0.044	21.43	22.50	1.279	0.056	/
	Level4			Top Edge	10	141500	707.5	1	1	0.06	0.043	21.43	22.50	1.279	0.055	/
	Level4			Front Side	10	141500	707.5	36	1	0.07	0.028	21.46	22.50	1.271	0.036	/
	Level4			Back Side	10	141500	707.5	36	1	0.02	0.058	21.46	22.50	1.271	0.074	/
	Level4			Right Edge	10	141500	707.5	36	1	0.02	0.041	21.46	22.50	1.271	0.052	/
	Level4			Top Edge	10	141500	707.5	36	1	-0.02	0.042	21.46	22.50	1.271	0.053	/
Ant.0	Level4		SA	Front Side	10	141500	707.5	1	1	0.02	0.039	22.19	23.00	1.205	0.047	/
	Level4			Back Side	10	141500	707.5	1	1	0.06	0.074	22.19	23.00	1.205	0.089	/

	Level4	DFT-s-OFDM BPSK		Left Edge	10	141500	707.5	1	1	-0.03	0.059	22.19	23.00	1.205	0.071	/
	Level4			Right Edge	10	141500	707.5	1	1	0.06	0.019	22.19	23.00	1.205	0.023	/
	Level4			Bottom Edge	10	141500	707.5	1	1	0.04	0.072	22.19	23.00	1.205	0.087	/
	Level4			Front Side	10	141500	707.5	36	0	0.06	0.039	22.16	23.00	1.213	0.047	/
	Level4			Back Side	10	141500	707.5	36	0	-0.09	0.094	22.16	23.00	1.213	**0.114**	58#
	Level4			Left Edge	10	141500	707.5	36	0	0.15	0.071	22.16	23.00	1.213	0.086	/
	Level4			Right Edge	10	141500	707.5	36	0	0.00	0.018	22.16	23.00	1.213	0.022	/
	Level4			Bottom Edge	10	141500	707.5	36	0	0.14	0.090	22.16	23.00	1.213	0.109	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.																

10.19 n66 (40MHz Bandwidth)

Antenna	Power Reduction	Mode	Information	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.4	Level1	DFT-s-OFDM BPSK	SA	Left Cheek	0	349000	1745	1	108	0.10	0.413	18.38	19.00	1.153	0.476	/
	Level1			Left Tilt	0	349000	1745	1	108	0.08	0.460	18.38	19.00	1.153	0.531	/
	Level1			Right Cheek	0	349000	1745	1	108	0.11	0.685	18.38	19.00	1.153	0.790	/
	Level1			Right Tilt	0	349000	1745	1	108	-0.06	0.668	18.38	19.00	1.153	0.771	/
	Level1			Left Cheek	0	346000	1730	108	54	0.01	0.420	18.58	19.00	1.102	0.463	/
	Level1			Left Tilt	0	346000	1730	108	54	-0.11	0.481	18.58	19.00	1.102	0.530	/
	Level1			Right Cheek	0	346000	1730	108	54	0.03	0.760	18.58	19.00	1.102	**0.837**	59#
	Level1			Right Tilt	0	346000	1730	108	54	0.02	0.723	18.58	19.00	1.102	0.796	/
	Level1			Right Cheek	0	346000	1730	108	54	-0.03	0.725	18.51	19.00	1.119	0.812	/
	Level1			Right Cheek	0	352000	1760	108	54	0.07	0.686	18.27	19.00	1.183	0.812	/
	Level1			Right Cheek	0	352000	1760	216	0	-0.05	0.623	17.87	19.00	1.297	0.808	/
Ant.4	Level1	DFT-s-OFDM BPSK	NSA	Left Cheek	0	349000	1745	1	108	-0.05	0.365	17.87	18.50	1.156	0.422	/
	Level1			Left Tilt	0	349000	1745	1	108	-0.15	0.405	17.87	18.50	1.156	0.468	/
	Level1			Right Cheek	0	349000	1745	1	108	-0.10	0.608	17.87	18.50	1.156	0.703	/
	Level1			Right Tilt	0	349000	1745	1	108	-0.06	0.591	17.87	18.50	1.156	0.683	/
	Level1			Left Cheek	0	346000	1730	108	54	0.03	0.370	18.07	18.50	1.104	0.409	/
	Level1			Left Tilt	0	346000	1730	108	54	-0.11	0.426	18.07	18.50	1.104	0.470	/
	Level1			Right Cheek	0	346000	1730	108	54	-0.09	0.670	18.07	18.50	1.104	0.740	/
	Level1			Right Tilt	0	346000	1730	108	54	-0.02	0.663	18.07	18.50	1.104	0.732	/
Ant.4	Level3	DFT-s-OFDM BPSK	SA	Left Cheek	0	346000	1730	1	108	-0.13	0.321	17.51	18.00	1.119	0.359	/
	Level3			Left Tilt	0	346000	1730	1	108	-0.11	0.362	17.51	18.00	1.119	0.405	/
	Level3			Right Cheek	0	346000	1730	1	108	-0.01	0.539	17.51	18.00	1.119	0.603	/
	Level3			Right Tilt	0	346000	1730	1	108	0.04	0.528	17.51	18.00	1.119	0.591	/
	Level3			Left Cheek	0	346000	1730	108	54	-0.06	0.331	17.57	18.00	1.104	0.365	/
	Level3			Left Tilt	0	346000	1730	108	54	0.14	0.380	17.57	18.00	1.104	0.420	/
	Level3			Right Cheek	0	346000	1730	108	54	0.00	0.602	17.57	18.00	1.104	0.665	/
	Level3			Right Tilt	0	346000	1730	108	54	-0.10	0.585	17.57	18.00	1.104	0.646	/
Ant.4	Level3	DFT-s-OFDM BPSK	NSA	Left Cheek	0	349000	1745	1	108	0.14	0.283	17.03	17.50	1.114	0.315	/
	Level3			Left Tilt	0	349000	1745	1	108	0.07	0.320	17.03	17.50	1.114	0.357	/
	Level3			Right Cheek	0	349000	1745	1	108	-0.02	0.475	17.03	17.50	1.114	0.529	/
	Level3			Right Tilt	0	349000	1745	1	108	-0.07	0.466	17.03	17.50	1.114	0.519	/
	Level3			Left Cheek	0	346000	1730	108	54	-0.03	0.292	17.11	17.50	1.094	0.319	/
	Level3			Left Tilt	0	346000	1730	108	54	0.03	0.336	17.11	17.50	1.094	0.368	/
	Level3			Right Cheek	0	346000	1730	108	54	-0.12	0.530	17.11	17.50	1.094	0.580	/
	Level3			Right Tilt	0	346000	1730	108	54	-0.08	0.522	17.11	17.50	1.094	0.571	/
Ant.0	Level1&3		SA	Left Cheek	0	349000	1745	1	108	-0.08	0.067	22.83	23.00	1.040	0.070	/

	Level1&3	DFT-s-OFDM BPSK		Left Tilt	0	349000	1745	1	108	0.00	0.049	22.83	23.00	1.040	0.051	/
	Level1&3			Right Cheek	0	349000	1745	1	108	-0.03	0.050	22.83	23.00	1.040	0.052	/
	Level1&3			Right Tilt	0	349000	1745	1	108	-0.15	0.023	22.83	23.00	1.040	0.024	/
	Level1&3			Left Cheek	0	349000	1745	108	54	0.07	0.060	22.81	23.00	1.045	0.063	/
	Level1&3			Left Tilt	0	349000	1745	108	54	0.11	0.049	22.81	23.00	1.045	0.051	/
	Level1&3			Right Cheek	0	349000	1745	108	54	-0.14	0.051	22.81	23.00	1.045	0.053	/
	Level1&3			Right Tilt	0	349000	1745	108	54	-0.08	0.021	22.81	23.00	1.045	0.022	/
Body-worn																
Ant.4	Level2&4	DFT-s-OFDM BPSK	SA&NSA	Front Side	15	349000	1745	1	108	0.04	0.092	19.92	20.50	1.143	0.105	/
	Level2&4			Back Side	15	349000	1745	1	108	-0.12	0.130	19.92	20.50	1.143	0.149	/
	Level2&4			Front Side	15	349000	1745	108	54	-0.08	0.110	19.98	20.50	1.127	0.124	/
	Level2&4			Back Side	15	349000	1745	108	54	0.10	0.138	19.98	20.50	1.127	0.156	/
Ant.0	Level2&4	DFT-s-OFDM BPSK	SA	Front Side	15	349000	1745	1	108	-0.09	0.173	22.83	23.00	1.040	0.180	/
	Level2&4			Back Side	15	349000	1745	1	108	0.15	0.275	22.83	23.00	1.040	0.286	/
	Level2&4			Front Side	15	349000	1745	108	54	0.06	0.187	22.81	23.00	1.045	0.195	/
	Level2&4			Back Side	15	349000	1745	108	54	0.06	0.299	22.81	23.00	1.045	**0.312**	60#
Hotspot																
Ant.4	Level4	DFT-s-OFDM BPSK	SA&NSA	Front Side	10	349000	1745	1	108	0.14	0.174	19.92	20.50	1.143	0.199	/
	Level4			Back Side	10	349000	1745	1	108	0.07	0.233	19.92	20.50	1.143	0.266	/
	Level4			Right Edge	10	349000	1745	1	108	-0.14	0.081	19.92	20.50	1.143	0.093	/
	Level4			Top Edge	10	349000	1745	1	108	-0.14	0.232	19.92	20.50	1.143	0.265	/
	Level4			Front Side	10	349000	1745	108	54	-0.03	0.184	19.98	20.50	1.127	0.207	/
	Level4			Back Side	10	349000	1745	108	54	0.03	0.254	19.98	20.50	1.127	0.286	/
	Level4			Right Edge	10	349000	1745	108	54	0.06	0.085	19.98	20.50	1.127	0.096	/
	Level4			Top Edge	10	349000	1745	108	54	-0.09	0.252	19.98	20.50	1.127	0.284	/
Ant.0	Level4	DFT-s-OFDM BPSK	SA	Front Side	10	349000	1745	1	108	0.09	0.393	22.83	23.00	1.040	0.409	/
	Level4			Back Side	10	349000	1745	1	108	-0.10	0.569	22.83	23.00	1.040	0.592	/
	Level4			Left Edge	10	349000	1745	1	108	0.14	0.049	22.83	23.00	1.040	0.051	/
	Level4			Right Edge	10	349000	1745	1	108	-0.14	0.095	22.83	23.00	1.040	0.099	/
	Level4			Bottom Edge	10	349000	1745	1	108	0.09	0.946	22.83	23.00	1.040	0.984	/
	Level4			Front Side	10	349000	1745	108	54	0.02	0.458	22.81	23.00	1.045	0.478	/
	Level4			Back Side	10	349000	1745	108	54	0.00	0.667	22.81	23.00	1.045	0.697	/
	Level4			Left Edge	10	349000	1745	108	54	0.04	0.047	22.81	23.00	1.045	0.049	/
	Level4			Right Edge	10	349000	1745	108	54	0.02	0.099	22.81	23.00	1.045	0.103	/
	Level4			Bottom Edge	10	349000	1745	108	54	-0.12	0.961	22.81	23.00	1.045	**1.004**	61#

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

10.20 n38 (20MHz Bandwidth)

Antenna	Power Reduction	Mode	Information	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.4	Level1	DFT-s-OFDM BPSK	SA	Left Cheek	0	516000	2580	1	26	-0.03	0.323	16.57	17.00	1.104	0.357	/
	Level1			Left Tilt	0	516000	2580	1	26	-0.02	0.411	16.57	17.00	1.104	0.454	/
	Level1			Right Cheek	0	516000	2580	1	26	0.15	0.781	16.57	17.00	1.104	0.862	/
	Level1			Right Tilt	0	516000	2580	1	26	-0.07	0.920	16.57	17.00	1.104	1.016	/
	Level1			Right Cheek	0	519000	2595	1	26	-0.03	0.780	16.50	17.00	1.122	0.875	/
	Level1			Right Cheek	0	522000	2610	1	26	-0.01	0.732	16.42	17.00	1.143	0.837	/
	Level1			Right Tilt	0	519000	2595	1	26	-0.06	0.932	16.50	17.00	1.122	**1.046**	62#
	Level1			Right Tilt	0	522000	2610	1	26	0.14	0.876	16.42	17.00	1.143	1.001	/
	Level1			Left Cheek	0	519000	2595	25	13	0.13	0.307	16.66	17.00	1.081	0.332	/
	Level1			Left Tilt	0	519000	2595	25	13	0.08	0.398	16.66	17.00	1.081	0.430	/
	Level1			Right Cheek	0	519000	2595	25	13	0.01	0.756	16.66	17.00	1.081	0.818	/
	Level1			Right Tilt	0	519000	2595	25	13	0.13	0.902	16.66	17.00	1.081	0.975	/
	Level1			Right Cheek	0	516000	2580	25	13	0.15	0.738	16.42	17.00	1.143	0.843	/
	Level1			Right Cheek	0	522000	2610	25	13	-0.03	0.731	16.59	17.00	1.099	0.803	/
	Level1			Right Tilt	0	516000	2580	25	13	0.07	0.890	16.42	17.00	1.143	1.017	/
	Level1			Right Tilt	0	522000	2610	25	13	0.08	0.885	16.59	17.00	1.099	0.973	/
	Level1			Right Cheek	0	516000	2580	50	0	0.09	0.682	16.20	17.00	1.202	0.820	/
	Level1			Right Tilt	0	516000	2580	50	0	0.00	0.808	16.20	17.00	1.202	0.971	/
Ant.4	Level3	DFT-s-OFDM BPSK	SA	Left Cheek	0	522000	2610	1	26	-0.01	0.254	15.52	16.00	1.117	0.284	/
	Level3			Left Tilt	0	522000	2610	1	26	-0.14	0.325	15.52	16.00	1.117	0.363	/
	Level3			Right Cheek	0	522000	2610	1	26	-0.02	0.620	15.52	16.00	1.117	0.692	/
	Level3			Right Tilt	0	522000	2610	1	26	-0.03	0.710	15.52	16.00	1.117	0.793	/
	Level3			Left Cheek	0	519000	2595	25	13	0.04	0.241	15.69	16.00	1.074	0.259	/
	Level3			Left Tilt	0	519000	2595	25	13	0.06	0.318	15.69	16.00	1.074	0.342	/
	Level3			Right Cheek	0	519000	2595	25	13	-0.11	0.600	15.69	16.00	1.074	0.644	/
	Level3			Right Tilt	0	519000	2595	25	13	-0.06	0.702	15.69	16.00	1.074	0.754	/
Ant.4	Level3	DFT-s-OFDM BPSK	NSA	Left Cheek	0	516000	2580	1	26	-0.12	0.201	14.87	15.00	1.030	0.207	/
	Level3			Left Tilt	0	516000	2580	1	26	0.08	0.260	14.87	15.00	1.030	0.268	/
	Level3			Right Cheek	0	516000	2580	1	26	0.15	0.495	14.87	15.00	1.030	0.510	/
	Level3			Right Tilt	0	516000	2580	1	26	-0.07	0.566	14.87	15.00	1.030	0.583	/
	Level3			Left Cheek	0	516000	2580	25	13	0.13	0.191	14.95	15.00	1.012	0.193	/
	Level3			Left Tilt	0	516000	2580	25	13	-0.11	0.254	14.95	15.00	1.012	0.257	/
	Level3			Right Cheek	0	516000	2580	25	13	-0.15	0.479	14.95	15.00	1.012	0.485	/
	Level3			Right Tilt	0	516000	2580	25	13	-0.02	0.560	14.95	15.00	1.012	0.566	/
Ant.1	Level1&3	DFT-s-	SA	Left Cheek	0	519000	2595	1	26	0.13	0.155	20.12	20.50	1.091	0.169	/
	Level1&3			Left Tilt	0	519000	2595	1	26	-0.13	0.055	20.12	20.50	1.091	0.060	/

	Level1&3	OFDM		Right Cheek	0	519000	2595	1	26	-0.09	0.090	20.12	20.50	1.091	0.098	/
	Level1&3	BPSK		Right Tilt	0	519000	2595	1	26	-0.08	0.090	20.12	20.50	1.091	0.098	/
	Level1&3			Left Cheek	0	522000	2610	25	13	-0.08	0.143	20.25	20.50	1.059	0.151	/
	Level1&3			Left Tilt	0	522000	2610	25	13	0.12	0.051	20.25	20.50	1.059	0.054	/
	Level1&3			Right Cheek	0	522000	2610	25	13	0.00	0.085	20.25	20.50	1.059	0.090	/
	Level1&3			Right Tilt	0	522000	2610	25	13	0.14	0.084	20.25	20.50	1.059	0.089	/
Body-worn																
Ant.4	Level2	DFT-s-OFDM BPSK	SA	Front Side	15	519000	2595	1	26	-0.11	0.157	22.09	22.50	1.099	0.173	/
	Level2			Back Side	15	519000	2595	1	26	-0.01	0.349	22.09	22.50	1.099	0.384	/
	Level2			Front Side	15	519000	2595	25	13	0.11	0.160	22.25	22.50	1.059	0.169	/
	Level2			Back Side	15	519000	2595	25	13	-0.02	0.364	22.25	22.50	1.059	**0.386**	63#
Ant.4	Level2	DFT-s-OFDM BPSK	NSA	Front Side	15	516000	2580	1	26	0.06	0.110	21.05	21.50	1.109	0.122	/
	Level2			Back Side	15	516000	2580	1	26	-0.07	0.243	21.05	21.50	1.109	0.270	/
	Level2			Front Side	15	519000	2595	25	13	-0.08	0.110	21.28	21.50	1.052	0.116	/
	Level2			Back Side	15	519000	2595	25	13	-0.11	0.251	21.28	21.50	1.052	0.264	/
Ant.4	Level4	DFT-s-OFDM BPSK	SA&NSA	Front Side	15	522000	2610	1	26	-0.02	0.068	18.55	19.00	1.109	0.075	/
	Level4			Back Side	15	522000	2610	1	26	0.04	0.153	18.55	19.00	1.109	0.170	/
	Level4			Front Side	15	519000	2595	25	13	0.09	0.070	18.58	19.00	1.102	0.077	/
	Level4			Back Side	15	519000	2595	25	13	0.12	0.158	18.58	19.00	1.102	0.174	/
Ant.1	Level2&4	DFT-s-OFDM BPSK	SA	Front Side	15	519000	2595	1	26	-0.09	0.118	20.12	20.50	1.091	0.129	/
	Level2&4			Back Side	15	519000	2595	1	26	-0.09	0.165	20.12	20.50	1.091	0.180	/
	Level2&4			Front Side	15	522000	2610	25	13	0.11	0.115	20.25	20.50	1.059	0.122	/
	Level2&4			Back Side	15	522000	2610	25	13	-0.03	0.152	20.25	20.50	1.059	0.161	/
Hotspot																
Ant.4	Level4	DFT-s-OFDM BPSK	SA&NSA	Front Side	10	522000	2610	1	26	-0.10	0.151	18.55	19.00	1.109	0.167	/
	Level4			Back Side	10	522000	2610	1	26	0.12	0.370	18.55	19.00	1.109	0.410	/
	Level4			Right Edge	10	522000	2610	1	26	0.08	0.048	18.55	19.00	1.109	0.053	/
	Level4			Top Edge	10	522000	2610	1	26	0.05	0.590	18.55	19.00	1.109	0.654	/
	Level4			Front Side	10	519000	2595	25	13	-0.15	0.153	18.58	19.00	1.102	0.169	/
	Level4			Back Side	10	519000	2595	25	13	-0.13	0.390	18.58	19.00	1.102	0.430	/
	Level4			Right Edge	10	519000	2595	25	13	-0.03	0.049	18.58	19.00	1.102	0.054	/
	Level4			Top Edge	10	519000	2595	25	13	-0.01	0.596	18.58	19.00	1.102	**0.657**	64#
Ant.1	Level4	DFT-s-OFDM BPSK	SA	Front Side	10	519000	2595	1	26	-0.15	0.155	20.12	20.50	1.091	0.169	/
	Level4			Back Side	10	519000	2595	1	26	0.07	0.172	20.12	20.50	1.091	0.188	/
	Level4			Right Edge	10	519000	2595	1	26	0.09	0.105	20.12	20.50	1.091	0.115	/
	Level4			Bottom Edge	10	519000	2595	1	26	-0.11	0.079	20.12	20.50	1.091	0.086	/
	Level4			Front Side	10	522000	2610	50	13	-0.02	0.109	20.25	20.50	1.059	0.115	/
	Level4			Back Side	10	522000	2610	50	13	-0.05	0.151	20.25	20.50	1.059	0.160	/
	Level4			Right Edge	10	522000	2610	50	13	-0.15	0.107	20.25	20.50	1.059	0.113	/
	Level4			Bottom Edge	10	522000	2610	50	13	0.11	0.080	20.25	20.50	1.059	0.085	/

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

Antenna	Power Reduction	Mode	Information	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	10 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	10g Scaled SAR (W/kg)	Meas. No.
Specific																
Ant.4	Level2	DFT-s-OFDM BPSK	SA	Back Side	0	519000	2595	1	26	0.09	1.690	22.09	22.50	1.099	1.857	/
	Level2			Top Edge	0	519000	2595	1	26	0.06	2.570	22.09	22.50	1.099	2.824	/
	Level2			Top Edge	0	516000	2580	1	26	0.04	2.500	21.99	22.50	1.125	2.812	/
	Level2			Top Edge	0	522000	2610	1	1	0.02	2.520	22.05	22.50	1.109	2.795	/
	Level2			Back Side	0	519000	2595	25	13	0.04	1.740	22.25	22.50	1.059	1.843	/
	Level2			Top Edge	0	519000	2595	25	13	0.01	2.800	22.25	22.50	1.059	**2.966**	65#
	Level2			Top Edge	0	516000	2580	25	13	0.08	2.580	21.92	22.50	1.143	2.949	/
	Level2			Top Edge	0	522000	2610	25	13	-0.15	2.620	22.05	22.50	1.109	2.906	/
	Level2			Top Edge	0	516000	2580	0	13	0.01	2.320	21.65	22.50	1.216	2.822	/
Ant.4	Level2	DFT-s-OFDM BPSK	NSA	Back Side	0	516000	2580	1	26	0.07	1.140	21.05	21.50	1.109	1.264	/
	Level2			Top Edge	0	516000	2580	1	26	0.04	1.730	21.05	21.50	1.109	1.919	/
	Level2			Back Side	0	519000	2595	25	13	-0.14	1.170	21.28	21.50	1.052	1.231	/
	Level2			Top Edge	0	519000	2595	25	13	0.03	1.870	21.28	21.50	1.052	1.967	/
Ant.4	Level4	DFT-s-OFDM BPSK	SA&NSA	Back Side	0	522000	2610	1	26	0.09	0.706	18.55	19.00	1.109	0.783	/
	Level4			Top Edge	0	522000	2610	1	26	-0.07	1.030	18.55	19.00	1.109	1.142	/
	Level4			Back Side	0	519000	2595	25	13	0.08	0.720	18.58	19.00	1.102	0.793	/
	Level4			Top Edge	0	519000	2595	25	13	-0.04	1.130	18.58	19.00	1.102	1.245	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.																

10.21 n41 (100MHz Bandwidth)

Antenna	Power Reduction	Mode	Information	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.4	Level1	DFT-s-OFDM BPSK	SA	Left Cheek	0	523302	2616.51	1	137	-0.06	0.273	17.62	18.00	1.091	0.298	/
	Level1			Left Tilt	0	523302	2616.51	1	137	0.07	0.345	17.62	18.00	1.091	0.377	/
	Level1			Right Cheek	0	523302	2616.51	1	137	0.10	0.694	17.62	18.00	1.091	0.757	/
	Level1			Right Tilt	0	523302	2616.51	1	137	0.06	0.814	17.62	18.00	1.091	0.888	/
	Level1			Right Tilt	0	509202	2546.01	1	137	0.01	0.788	17.58	18.00	1.102	0.868	/
	Level1			Right Tilt	0	513900	2569.5	1	137	-0.01	0.921	17.54	18.00	1.112	**1.024**	66#
	Level1			Right Tilt	0	518598	2592.99	1	137	-0.07	0.788	17.43	18.00	1.140	0.899	/
	Level1			Right Tilt	0	523302	2616.51	1	137	0.05	0.768	17.62	18.00	1.091	0.838	/
	Level1			Left Cheek	0	528000	2640	135	138	-0.05	0.308	17.58	18.00	1.102	0.339	/
	Level1			Left Tilt	0	528000	2640	135	138	-0.02	0.406	17.58	18.00	1.102	0.447	/
	Level1			Right Cheek	0	528000	2640	135	138	-0.09	0.771	17.58	18.00	1.102	0.849	/
	Level1			Right Tilt	0	528000	2640	135	138	-0.13	0.892	17.58	18.00	1.102	0.983	/
	Level1			Right Tilt	0	509202	2546.01	135	69	-0.08	0.905	17.57	18.00	1.104	0.999	/
	Level1			Right Tilt	0	513900	2569.5	135	69	0.14	0.852	17.30	18.00	1.175	1.001	/
	Level1			Right Tilt	0	518598	2592.99	135	69	-0.10	0.901	17.50	18.00	1.122	1.011	/
	Level1			Right Tilt	0	523302	2616.51	135	69	-0.15	0.853	17.38	18.00	1.153	0.984	/
	Level1			Right Tilt	0	509202	2546.01	270	0	0.01	0.819	17.57	18.00	1.104	0.904	/
Ant.4	Level3	DFT-s-OFDM BPSK	SA	Left Cheek	0	523302	2616.51	1	137	0.06	0.215	16.54	17.00	1.112	0.239	/
	Level3			Left Tilt	0	523302	2616.51	1	137	-0.15	0.273	16.54	17.00	1.112	0.304	/
	Level3			Right Cheek	0	523302	2616.51	1	137	-0.05	0.550	16.54	17.00	1.112	0.611	/
	Level3			Right Tilt	0	523302	2616.51	1	137	0.15	0.642	16.54	17.00	1.112	0.714	/
	Level3			Left Cheek	0	528000	2640	135	69	-0.14	0.245	16.55	17.00	1.109	0.272	/
	Level3			Left Tilt	0	528000	2640	135	69	0.13	0.321	16.55	17.00	1.109	0.356	/
	Level3			Right Cheek	0	528000	2640	135	69	-0.10	0.612	16.55	17.00	1.109	0.679	/
	Level3			Right Tilt	0	528000	2640	135	69	0.09	0.705	16.55	17.00	1.109	0.782	/
Ant.4	Level3	DFT-s-OFDM BPSK	NSA	Left Cheek	0	523302	2616.51	1	137	0.15	0.171	15.56	16.00	1.107	0.189	/
	Level3			Left Tilt	0	523302	2616.51	1	137	0.03	0.215	15.56	16.00	1.107	0.238	/
	Level3			Right Cheek	0	523302	2616.51	1	137	-0.04	0.435	15.56	16.00	1.107	0.481	/
	Level3			Right Tilt	0	523302	2616.51	1	137	0.04	0.508	15.56	16.00	1.107	0.562	/
	Level3			Left Cheek	0	528000	2640	135	69	0.01	0.196	15.63	16.00	1.089	0.213	/
	Level3			Left Tilt	0	528000	2640	135	69	-0.04	0.253	15.63	16.00	1.089	0.275	/
	Level3			Right Cheek	0	528000	2640	135	69	-0.14	0.482	15.63	16.00	1.089	0.525	/
	Level3			Right Tilt	0	528000	2640	135	69	-0.03	0.558	15.63	16.00	1.089	0.608	/
Ant.1	Level1&3	DFT-s-	SA	Left Cheek	0	518598	2592.99	1	137	-0.02	0.406	25.55	26.00	1.109	0.450	/
	Level1&3			Left Tilt	0	518598	2592.99	1	137	-0.15	0.138	25.55	26.00	1.109	0.153	/
	Level1&3			Right Cheek	0	518598	2592.99	1	137	0.12	0.238	25.55	26.00	1.109	0.264	/

	Level1&3	OFDM		Right Tilt	0	518598	2592.99	1	137	-0.09	0.224	25.55	26.00	1.109	0.248	/
	Level1&3	BPSK		Left Cheek	0	518598	2592.99	135	138	-0.10	0.409	25.81	26.00	1.045	0.427	/
	Level1&3			Left Tilt	0	518598	2592.99	135	138	-0.08	0.142	25.81	26.00	1.045	0.148	/
	Level1&3			Right Cheek	0	518598	2592.99	135	138	0.08	0.215	25.81	26.00	1.045	0.225	/
	Level1&3			Right Tilt	0	518598	2592.99	135	138	0.05	0.226	25.81	26.00	1.045	0.236	/
Body-worn																
Ant.4	Level2	DFT-s-OFDM BPSK	SA&NSA	Front Side	15	509202	2546.01	1	137	-0.03	0.195	23.34	23.50	1.038	0.202	/
	Level2			Back Side	15	509202	2546.01	1	137	-0.03	0.430	23.34	23.50	1.038	**0.446**	67#
	Level2			Front Side	15	509202	2546.01	135	69	-0.14	0.190	23.35	23.50	1.035	0.197	/
	Level2			Back Side	15	509202	2546.01	135	69	0.03	0.427	23.35	23.50	1.035	0.442	/
Ant.4	Level4	DFT-s-OFDM BPSK	SA&NSA	Front Side	15	523302	2616.51	1	137	0.02	0.093	20.36	20.50	1.033	0.096	/
	Level4			Back Side	15	523302	2616.51	1	137	0.04	0.210	20.36	20.50	1.033	0.217	/
	Level4			Front Side	15	528000	2640	135	69	0.15	0.093	20.23	20.50	1.064	0.099	/
	Level4			Back Side	15	528000	2640	135	69	-0.01	0.206	20.23	20.50	1.064	0.219	/
Ant.1	Level2&4	DFT-s-OFDM BPSK	SA&NSA	Front Side	15	518598	2592.99	1	137	-0.08	0.156	25.55	26.00	1.109	0.173	/
	Level2&4			Back Side	15	518598	2592.99	1	137	0.02	0.203	25.55	26.00	1.109	0.225	/
	Level2&4			Front Side	15	518598	2592.99	135	138	-0.06	0.151	25.81	26.00	1.045	0.158	/
	Level2&4			Back Side	15	518598	2592.99	135	138	-0.10	0.197	25.81	26.00	1.045	0.206	/
Hotspot																
Ant.4	Level4	DFT-s-OFDM BPSK	SA&NSA	Front Side	10	523302	2616.51	1	137	0.03	0.195	20.36	20.50	1.033	0.201	/
	Level4			Back Side	10	523302	2616.51	1	137	-0.07	0.415	20.36	20.50	1.033	0.429	/
	Level4			Right Edge	10	523302	2616.51	1	137	0.04	0.077	20.36	20.50	1.033	0.080	/
	Level4			Top Edge	10	523302	2616.51	1	137	0.01	0.767	20.36	20.50	1.033	**0.792**	68#
	Level4			Front Side	10	528000	2640	135	69	0.14	0.202	20.23	20.50	1.064	0.215	/
	Level4			Back Side	10	528000	2640	135	69	0.01	0.415	20.23	20.50	1.064	0.442	/
	Level4			Right Edge	10	528000	2640	135	69	0.02	0.075	20.23	20.50	1.064	0.080	/
	Level4			Top Edge	10	528000	2640	135	69	0.14	0.735	20.23	20.50	1.064	0.782	/
Ant.1	Level4	DFT-s-OFDM BPSK	SA	Front Side	10	518598	2592.99	1	137	-0.04	0.249	25.55	26.00	1.109	0.276	/
	Level4			Back Side	10	518598	2592.99	1	137	-0.02	0.301	25.55	26.00	1.109	0.334	/
	Level4			Right Edge	10	518598	2592.99	1	137	-0.13	0.208	25.55	26.00	1.109	0.231	/
	Level4			Bottom Edge	10	518598	2592.99	1	137	0.06	0.139	25.55	26.00	1.109	0.154	/
	Level4			Front Side	10	518598	2592.99	135	138	-0.03	0.163	25.81	26.00	1.045	0.170	/
	Level4			Back Side	10	518598	2592.99	135	138	-0.05	0.220	25.81	26.00	1.045	0.230	/
	Level4			Right Edge	10	518598	2592.99	135	138	-0.08	0.165	25.81	26.00	1.045	0.172	/
	Level4			Bottom Edge	10	518598	2592.99	135	138	0.02	0.123	25.81	26.00	1.045	0.129	/

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

Antenna	Power Reduction	Mode	Information	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	10 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	10g Scaled SAR (W/kg)	Meas. No.
Specific																
Ant.4	Level2	DFT-s-OFDM BPSK	SA	Back Side	0	523302	2616.51	1	137	-0.01	1.730	23.34	23.50	1.038	1.795	/
	Level2			Top Edge	0	523302	2616.51	1	137	0.01	2.800	23.34	23.50	1.038	**2.905**	69#
	Level2			Top Edge	0	523302	2616.51	1	137	0.00	2.670	23.28	23.50	1.052	2.809	/
	Level2			Top Edge	0	523302	2616.51	1	137	-0.15	2.630	23.08	23.50	1.102	2.897	/
	Level2			Top Edge	0	523302	2616.51	1	137	0.06	2.580	23.31	23.50	1.045	2.695	/
	Level2			Top Edge	0	523302	2616.51	1	137	-0.06	2.620	23.16	23.50	1.081	2.833	/
	Level2			Back Side	0	509202	2546.01	135	69	0.13	1.670	23.35	23.50	1.035	1.729	/
	Level2			Top Edge	0	509202	2546.01	135	69	0.13	2.720	23.35	23.50	1.035	2.816	/
	Level2			Top Edge	0	513900	2569.5	135	138	0.00	2.640	23.23	23.50	1.064	2.809	/
	Level2			Top Edge	0	518598	2592.99	135	69	0.14	2.660	23.18	23.50	1.076	2.863	/
	Level2			Top Edge	0	523302	2616.51	135	69	-0.14	2.540	23.01	23.50	1.119	2.843	/
	Level2			Top Edge	0	528000	2640	135	69	-0.08	2.640	23.26	23.50	1.057	2.790	/
	Level2			Top Edge	0	509202	2546.01	270	0	0.03	2.570	23.14	23.50	1.086	2.792	/
Ant.4	Level4	DFT-s-OFDM BPSK	SA	Back Side	0	509202	2546.01	1	137	0.04	0.903	20.36	20.50	1.033	0.933	/
	Level4			Top Edge	0	509202	2546.01	1	137	0.02	1.450	20.36	20.50	1.033	1.498	/
	Level4			Back Side	0	528000	2640	135	69	0.05	0.872	20.23	20.50	1.064	0.928	/
	Level4			Top Edge	0	528000	2640	135	69	-0.15	1.410	20.23	20.50	1.064	1.500	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.																

10.22 n77 3450-3550MHz (100MHz Bandwidth)

Antenna	Power Reduction	Mode	Information	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.5	Level1	DFT-s-OFDM BPSK	SA	Left Cheek	0	633334	3500.01	1	137	0.09	0.516	17.93	18.50	1.140	0.588	/
	Level1			Left Tilt	0	633334	3500.01	1	137	0.08	0.499	17.93	18.50	1.140	0.569	/
	Level1			Right Cheek	0	633334	3500.01	1	137	-0.07	0.313	17.93	18.50	1.140	0.357	/
	Level1			Right Tilt	0	633334	3500.01	1	137	0.00	0.354	17.93	18.50	1.140	0.404	/
	Level1			Left Cheek	0	633334	3500.01	135	69	0.04	0.542	17.97	18.50	1.130	0.612	/
	Level1			Left Tilt	0	633334	3500.01	135	69	0.10	0.528	17.97	18.50	1.130	0.597	/
	Level1			Right Cheek	0	633334	3500.01	135	69	-0.04	0.356	17.97	18.50	1.130	0.402	/
	Level1			Right Tilt	0	633334	3500.01	135	69	-0.12	0.372	17.97	18.50	1.130	0.420	/
Ant.5	Level1	DFT-s-OFDM BPSK	NSA	Left Cheek	0	633334	3500.01	1	137	-0.05	0.366	16.56	17.00	1.107	0.405	/
	Level1			Left Tilt	0	633334	3500.01	1	137	0.01	0.356	16.56	17.00	1.107	0.394	/
	Level1			Right Cheek	0	633334	3500.01	1	137	-0.03	0.220	16.56	17.00	1.107	0.243	/
	Level1			Right Tilt	0	633334	3500.01	1	137	0.04	0.249	16.56	17.00	1.107	0.276	/
	Level1			Left Cheek	0	633334	3500.01	135	138	0.03	0.382	16.32	17.00	1.169	0.447	/
	Level1			Left Tilt	0	633334	3500.01	135	138	0.08	0.379	16.32	17.00	1.169	0.443	/
	Level1			Right Cheek	0	633334	3500.01	135	138	0.08	0.253	16.32	17.00	1.169	0.296	/
	Level1			Right Tilt	0	633334	3500.01	135	138	-0.11	0.263	16.32	17.00	1.169	0.308	/
Ant.5	Level3	DFT-s-OFDM BPSK	SA	Left Cheek	0	633334	3500.01	1	137	-0.04	0.417	16.99	17.50	1.125	0.469	/
	Level3			Left Tilt	0	633334	3500.01	1	137	0.08	0.399	16.99	17.50	1.125	0.449	/
	Level3			Right Cheek	0	633334	3500.01	1	137	0.03	0.247	16.99	17.50	1.125	0.278	/
	Level3			Right Tilt	0	633334	3500.01	1	137	-0.11	0.280	16.99	17.50	1.125	0.315	/
	Level3			Left Cheek	0	633334	3500.01	135	69	0.11	0.424	16.82	17.50	1.169	0.496	/
	Level3			Left Tilt	0	633334	3500.01	135	69	0.05	0.425	16.82	17.50	1.169	0.497	/
	Level3			Right Cheek	0	633334	3500.01	135	69	0.07	0.282	16.82	17.50	1.169	0.330	/
	Level3			Right Tilt	0	633334	3500.01	135	69	0.07	0.293	16.82	17.50	1.169	0.343	/
Ant.5	Level3	DFT-s-OFDM BPSK	NSA	Left Cheek	0	633334	3500.01	1	137	0.04	0.295	15.46	16.00	1.132	0.334	/
	Level3			Left Tilt	0	633334	3500.01	1	137	-0.08	0.282	15.46	16.00	1.132	0.319	/
	Level3			Right Cheek	0	633334	3500.01	1	137	0.06	0.175	15.46	16.00	1.132	0.198	/
	Level3			Right Tilt	0	633334	3500.01	1	137	-0.02	0.204	15.46	16.00	1.132	0.231	/
	Level3			Left Cheek	0	633334	3500.01	135	69	0.05	0.308	15.34	16.00	1.164	0.359	/
	Level3			Left Tilt	0	633334	3500.01	135	69	-0.10	0.305	15.34	16.00	1.164	0.355	/
	Level3			Right Cheek	0	633334	3500.01	135	69	0.05	0.201	15.34	16.00	1.164	0.234	/
	Level3			Right Tilt	0	633334	3500.01	135	69	0.09	0.208	15.34	16.00	1.164	0.242	/
Ant.2	Level1	DFT-s-OFDM BPSK	SA	Left Cheek	0	633334	3500.01	1	137	0.06	0.223	19.69	20.50	1.205	0.269	/
	Level1			Left Tilt	0	633334	3500.01	1	137	0.06	0.072	19.69	20.50	1.205	0.087	/
	Level1			Right Cheek	0	633334	3500.01	1	137	-0.04	0.426	19.69	20.50	1.205	0.513	/
	Level1			Right Tilt	0	633334	3500.01	1	137	-0.04	0.105	19.69	20.50	1.205	0.127	/

	Level1			Left Cheek	0	633334	3500.01	135	0	0.11	0.220	19.70	20.50	1.202	0.264	/
	Level1			Left Tilt	0	633334	3500.01	135	0	0.10	0.070	19.70	20.50	1.202	0.084	/
	Level1			Right Cheek	0	633334	3500.01	135	0	-0.05	0.418	19.70	20.50	1.202	0.503	/
	Level1			Right Tilt	0	633334	3500.01	135	0	0.08	0.104	19.70	20.50	1.202	0.125	/
Ant.2	Level3	DFT-s-OFDM BPSK	SA	Left Cheek	0	633334	3500.01	1	137	-0.10	0.176	18.80	19.50	1.175	0.207	/
	Level3			Left Tilt	0	633334	3500.01	1	137	0.08	0.053	18.80	19.50	1.175	0.062	/
	Level3			Right Cheek	0	633334	3500.01	1	137	-0.04	0.336	18.80	19.50	1.175	0.395	/
	Level3			Right Tilt	0	633334	3500.01	1	137	0.02	0.085	18.80	19.50	1.175	0.100	/
	Level3			Left Cheek	0	633334	3500.01	135	0	0.07	0.175	18.73	19.50	1.194	0.209	/
	Level3			Left Tilt	0	633334	3500.01	135	0	-0.11	0.056	18.73	19.50	1.194	0.067	/
	Level3			Right Cheek	0	633334	3500.01	135	0	-0.03	0.333	18.73	19.50	1.194	0.398	/
	Level3			Right Tilt	0	633334	3500.01	135	0	-0.03	0.082	18.73	19.50	1.194	0.098	/
Ant.3	Level1	DFT-s-OFDM BPSK	SA	Left Cheek	0	633334	3500.01	1	137	0.12	0.176	16.35	16.50	1.035	0.182	/
	Level1			Left Tilt	0	633334	3500.01	1	137	-0.10	0.149	16.35	16.50	1.035	0.154	/
	Level1			Right Cheek	0	633334	3500.01	1	137	-0.11	0.797	16.35	16.50	1.035	**0.825**	70#
	Level1			Right Tilt	0	633334	3500.01	1	137	-0.01	0.362	16.35	16.50	1.035	0.375	/
	Level1			Left Cheek	0	633334	3500.01	135	0	-0.02	0.177	16.38	16.50	1.028	0.182	/
	Level1			Left Tilt	0	633334	3500.01	135	0	-0.02	0.151	16.38	16.50	1.028	0.155	/
	Level1			Right Cheek	0	633334	3500.01	135	0	0.00	0.791	16.38	16.50	1.028	0.813	/
	Level1			Right Tilt	0	633334	3500.01	135	0	0.05	0.355	16.38	16.50	1.028	0.365	/
	Level1			Right Cheek	0	633334	3500.01	270	0	0.08	0.687	16.10	16.50	1.096	0.753	/
Ant.3	Level3	DFT-s-OFDM BPSK	SA	Left Cheek	0	633334	3500.01	1	137	-0.11	0.141	15.41	15.50	1.021	0.144	/
	Level3			Left Tilt	0	633334	3500.01	1	137	-0.07	0.118	15.41	15.50	1.021	0.120	/
	Level3			Right Cheek	0	633334	3500.01	1	137	-0.09	0.638	15.41	15.50	1.021	0.651	/
	Level3			Right Tilt	0	633334	3500.01	1	137	-0.09	0.273	15.41	15.50	1.021	0.279	/
	Level3			Left Cheek	0	633334	3500.01	135	69	0.12	0.139	15.35	15.50	1.035	0.144	/
	Level3			Left Tilt	0	633334	3500.01	135	69	0.04	0.118	15.35	15.50	1.035	0.122	/
	Level3			Right Cheek	0	633334	3500.01	135	69	-0.12	0.615	15.35	15.50	1.035	0.637	/
	Level3			Right Tilt	0	633334	3500.01	135	69	0.06	0.277	15.35	15.50	1.035	0.287	/
Ant.8	Level1	DFT-s-OFDM BPSK	SA	Left Cheek	0	633334	3500.01	1	1	-0.01	0.532	22.94	23.00	1.014	0.539	/
	Level1			Left Tilt	0	633334	3500.01	1	1	0.00	0.165	22.94	23.00	1.014	0.167	/
	Level1			Right Cheek	0	633334	3500.01	1	1	-0.01	0.274	22.94	23.00	1.014	0.278	/
	Level1			Right Tilt	0	633334	3500.01	1	1	-0.12	0.078	22.94	23.00	1.014	0.079	/
	Level1			Left Cheek	0	633334	3500.01	135	69	0.04	0.532	22.89	23.00	1.026	0.546	/
	Level1			Left Tilt	0	633334	3500.01	135	69	0.10	0.160	22.89	23.00	1.026	0.164	/
	Level1			Right Cheek	0	633334	3500.01	135	69	-0.11	0.275	22.89	23.00	1.026	0.282	/
	Level1			Right Tilt	0	633334	3500.01	135	69	-0.06	0.082	22.89	23.00	1.026	0.084	/
Ant.8	Level3	DFT-s-OFDM BPSK	SA	Left Cheek	0	633334	3500.01	1	1	0.11	0.418	21.99	22.00	1.002	0.419	/
	Level3			Left Tilt	0	633334	3500.01	1	1	-0.11	0.128	21.99	22.00	1.002	0.128	/
	Level3			Right Cheek	0	633334	3500.01	1	1	0.04	0.219	21.99	22.00	1.002	0.220	/
	Level3			Right Tilt	0	633334	3500.01	1	1	0.00	0.062	21.99	22.00	1.002	0.062	/
	Level3			Left Cheek	0	633334	3500.01	135	69	0.05	0.425	21.84	22.00	1.038	0.441	/
	Level3			Left Tilt	0	633334	3500.01	135	69	-0.01	0.130	21.84	22.00	1.038	0.135	/

	Level3			Right Cheek	0	633334	3500.01	135	69	0.06	0.223	21.84	22.00	1.038	0.231	/
	Level3			Right Tilt	0	633334	3500.01	135	69	0.10	0.066	21.84	22.00	1.038	0.068	/
Body-worn																
Ant.5	Level2&4	DFT-s-OFDM BPSK	SA	Front Side	15	633334	3500.01	1	137	-0.06	0.132	24.92	25.50	1.143	0.151	/
	Level2&4			Back Side	15	633334	3500.01	1	137	0.05	0.201	24.92	25.50	1.143	0.230	/
	Level2&4			Front Side	15	633334	3500.01	135	138	0.00	0.130	24.66	25.50	1.213	0.158	/
	Level2&4			Back Side	15	633334	3500.01	135	138	-0.06	0.235	24.66	25.50	1.213	**0.285**	71#
Ant.5	Level2	DFT-s-OFDM BPSK	NSA	Front Side	15	633334	3500.01	1	137	0.06	0.105	23.96	24.50	1.132	0.119	/
	Level2			Back Side	15	633334	3500.01	1	137	0.13	0.162	23.96	24.50	1.132	0.183	/
	Level2			Front Side	15	633334	3500.01	135	138	-0.06	0.104	23.60	24.50	1.230	0.128	/
	Level2			Back Side	15	633334	3500.01	135	138	0.01	0.190	23.60	24.50	1.230	0.234	/
Ant.5	Level4	DFT-s-OFDM BPSK	NSA	Front Side	15	633334	3500.01	1	137	-0.07	0.082	22.91	23.50	1.146	0.094	/
	Level4			Back Side	15	633334	3500.01	1	137	0.08	0.128	22.91	23.50	1.146	0.147	/
	Level4			Front Side	15	633334	3500.01	135	138	0.09	0.082	22.67	23.50	1.211	0.099	/
	Level4			Back Side	15	633334	3500.01	135	138	0.05	0.147	22.67	23.50	1.211	0.178	/
Ant.2	Level2	DFT-s-OFDM BPSK	SA	Front Side	15	633334	3500.01	1	137	0.11	0.108	18.80	19.50	1.175	0.127	/
	Level2			Back Side	15	633334	3500.01	1	137	-0.05	0.173	18.80	19.50	1.175	0.203	/
	Level2			Front Side	15	633334	3500.01	135	0	0.10	0.111	18.73	19.50	1.194	0.133	/
	Level2			Back Side	15	633334	3500.01	135	0	-0.01	0.184	18.73	19.50	1.194	0.220	/
Ant.2	Level4	DFT-s-OFDM BPSK	SA	Front Side	15	633334	3500.01	1	137	0.03	0.083	17.69	18.50	1.205	0.100	/
	Level4			Back Side	15	633334	3500.01	1	137	-0.07	0.135	17.69	18.50	1.205	0.163	/
	Level4			Front Side	15	633334	3500.01	135	0	-0.02	0.088	17.80	18.50	1.175	0.103	/
	Level4			Back Side	15	633334	3500.01	135	0	-0.04	0.145	17.80	18.50	1.175	0.170	/
Ant.3	Level2&4	DFT-s-OFDM BPSK	SA	Front Side	15	633334	3500.01	1	137	0.03	0.209	22.38	22.50	1.028	0.215	/
	Level2&4			Back Side	15	633334	3500.01	1	137	-0.02	0.213	22.38	22.50	1.028	0.219	/
	Level2&4			Front Side	15	633334	3500.01	135	0	0.10	0.207	22.39	22.50	1.026	0.212	/
	Level2&4			Back Side	15	633334	3500.01	135	0	-0.07	0.209	22.39	22.50	1.026	0.214	/
Ant.8	Level2&4	DFT-s-OFDM BPSK	SA	Front Side	15	633334	3500.01	1	137	-0.11	0.073	24.46	24.50	1.009	0.074	/
	Level2&4			Back Side	15	633334	3500.01	1	137	-0.01	0.197	24.46	24.50	1.009	0.199	/
	Level2&4			Front Side	15	633334	3500.01	135	69	0.09	0.078	24.30	24.50	1.047	0.082	/
	Level2&4			Back Side	15	633334	3500.01	135	69	0.01	0.220	24.30	24.50	1.047	0.230	/
Hotspot																
Ant.5	Level4	DFT-s-OFDM BPSK	SA	Front Side	10	633334	3500.01	1	137	-0.02	0.335	24.92	25.50	1.143	0.383	/
	Level4			Back Side	10	633334	3500.01	1	137	-0.08	0.666	24.92	25.50	1.143	0.761	/
	Level4			Left Edge	10	633334	3500.01	1	137	0.02	0.297	24.92	25.50	1.143	0.339	/
	Level4			Top Edge	10	633334	3500.01	1	137	0.03	0.634	24.92	25.50	1.143	0.725	/
	Level4			Front Side	10	633334	3500.01	135	138	0.09	0.361	24.66	25.50	1.213	0.438	/
	Level4			Back Side	10	633334	3500.01	135	138	0.09	0.665	24.66	25.50	1.213	**0.807**	72#
	Level4			Left Edge	10	633334	3500.01	135	138	-0.08	0.308	24.66	25.50	1.213	0.374	/
	Level4			Top Edge	10	633334	3500.01	135	138	-0.01	0.653	24.66	25.50	1.213	0.792	/
	Level4			Back Side	10	633334	3500.01	270	0	-0.02	0.635	24.52	25.50	1.253	0.796	/
Ant.5	Level4	DFT-s-	NSA	Front Side	10	633334	3500.01	1	137	-0.04	0.212	22.91	23.50	1.146	0.243	/
	Level4			Back Side	10	633334	3500.01	1	137	-0.05	0.414	22.91	23.50	1.146	0.474	/

	Level4	OFDM BPSK		Left Edge	10	633334	3500.01	1	137	0.11	0.186	22.91	23.50	1.146	0.213	/
	Level4			Top Edge	10	633334	3500.01	1	137	-0.07	0.384	22.91	23.50	1.146	0.440	/
	Level4			Front Side	10	633334	3500.01	135	138	0.11	0.229	22.67	23.50	1.211	0.277	/
	Level4			Back Side	10	633334	3500.01	135	138	0.09	0.395	22.67	23.50	1.211	0.478	/
	Level4			Left Edge	10	633334	3500.01	135	138	0.01	0.190	22.67	23.50	1.211	0.230	/
	Level4			Top Edge	10	633334	3500.01	135	138	0.00	0.372	22.67	23.50	1.211	0.450	/
Ant.2	Level4	DFT-s-OFDM BPSK	SA	Front Side	10	633334	3500.01	1	137	-0.09	0.091	17.69	18.50	1.205	0.110	/
	Level4			Back Side	10	633334	3500.01	1	137	0.06	0.387	17.69	18.50	1.205	0.466	/
	Level4			Right Edge	10	633334	3500.01	1	137	-0.09	0.369	17.69	18.50	1.205	0.445	/
	Level4			Top Edge	10	633334	3500.01	1	137	-0.09	0.022	17.69	18.50	1.205	0.027	/
	Level4			Front Side	10	633334	3500.01	135	0	-0.12	0.095	17.80	18.50	1.175	0.112	/
	Level4			Back Side	10	633334	3500.01	135	0	0.09	0.383	17.80	18.50	1.175	0.450	/
	Level4			Right Edge	10	633334	3500.01	135	0	0.05	0.401	17.80	18.50	1.175	0.471	/
	Level4			Top Edge	10	633334	3500.01	135	0	0.11	0.024	17.80	18.50	1.175	0.028	/
Ant.3	Level4	DFT-s-OFDM BPSK	SA	Front Side	10	633334	3500.01	1	137	-0.06	0.360	22.38	22.50	1.028	0.370	/
	Level4			Back Side	10	633334	3500.01	1	137	-0.01	0.357	22.38	22.50	1.028	0.367	/
	Level4			Right Edge	10	633334	3500.01	1	137	0.08	0.628	22.38	22.50	1.028	0.646	/
	Level4			Top Edge	10	633334	3500.01	1	137	0.13	0.263	22.38	22.50	1.028	0.270	/
	Level4			Front Side	10	633334	3500.01	135	0	0.10	0.422	22.39	22.50	1.026	0.433	/
	Level4			Back Side	10	633334	3500.01	135	0	0.07	0.420	22.39	22.50	1.026	0.431	/
	Level4			Right Edge	10	633334	3500.01	135	0	-0.06	0.674	22.39	22.50	1.026	0.691	/
	Level4			Top Edge	10	633334	3500.01	135	0	0.10	0.243	22.39	22.50	1.026	0.249	/
Ant.8	Level4	DFT-s-OFDM BPSK	SA	Front Side	10	633334	3500.01	1	1	0.13	0.156	24.46	24.50	1.009	0.157	/
	Level4			Back Side	10	633334	3500.01	1	1	-0.08	0.430	24.46	24.50	1.009	0.434	/
	Level4			Left Edge	10	633334	3500.01	1	1	0.02	0.364	24.46	24.50	1.009	0.367	/
	Level4			Top Edge	10	633334	3500.01	1	1	0.02	0.080	24.46	24.50	1.009	0.081	/
	Level4			Front Side	10	633334	3500.01	135	69	-0.01	0.162	24.30	24.50	1.047	0.170	/
	Level4			Back Side	10	633334	3500.01	135	69	0.11	0.520	24.30	24.50	1.047	0.545	/
	Level4			Left Edge	10	633334	3500.01	135	69	0.11	0.383	24.30	24.50	1.047	0.401	/
	Level4			Top Edge	10	633334	3500.01	135	69	0.13	0.090	24.30	24.50	1.047	0.094	/

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

Antenna	Power Reduction	Mode	Information	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	10 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	10g Scaled SAR (W/kg)	Meas. No.
Specific																
Ant.2	Level2	DFT-s-OFDM BPSK	SA	Back Side	0	633334	3500.01	1	137	-0.11	1.010	18.80	19.50	1.175	1.187	/
	Level2			Right Edge	0	633334	3500.01	1	137	0.06	1.150	18.80	19.50	1.175	1.351	/
	Level2			Back Side	0	633334	3500.01	135	0	-0.09	1.060	18.73	19.50	1.194	1.266	/
	Level2			Right Edge	0	633334	3500.01	135	0	-0.11	1.260	18.73	19.50	1.194	**1.504**	73#
Ant.2	Level4	DFT-s-OFDM BPSK	SA	Back Side	0	633334	3500.01	1	137	-0.05	0.810	17.69	18.50	1.205	0.976	/
	Level4			Right Edge	0	633334	3500.01	1	137	-0.11	0.943	17.69	18.50	1.205	1.136	/
	Level4			Back Side	0	633334	3500.01	135	0	-0.07	0.859	17.80	18.50	1.175	1.009	/
	Level4			Right Edge	0	633334	3500.01	135	0	0.05	1.000	17.80	18.50	1.175	1.175	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.																

10.23 n77 3700-3980MHz (100MHz Bandwidth)

Antenna	Power Reduction	Mode	Information	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.5	Level1	DFT-s-OFDM BPSK	SA	Left Cheek	0	656000	3840	1	137	-0.15	0.577	17.89	18.50	1.151	0.664	/
	Level1			Left Tilt	0	656000	3840	1	137	-0.15	0.559	17.89	18.50	1.151	0.643	/
	Level1			Right Cheek	0	656000	3840	1	137	0.13	0.346	17.89	18.50	1.151	0.398	/
	Level1			Right Tilt	0	656000	3840	1	137	-0.01	0.391	17.89	18.50	1.151	0.450	/
	Level1			Left Cheek	0	662000	3930	135	69	-0.03	0.602	17.88	18.50	1.153	0.694	/
	Level1			Left Tilt	0	662000	3930	135	69	0.14	0.591	17.88	18.50	1.153	0.682	/
	Level1			Right Cheek	0	662000	3930	135	69	-0.15	0.396	17.88	18.50	1.153	0.457	/
	Level1			Right Tilt	0	662000	3930	135	69	0.00	0.410	17.88	18.50	1.153	0.473	/
Ant.5	Level1	DFT-s-OFDM BPSK	NSA	Left Cheek	0	656000	3840	1	137	-0.08	0.407	16.65	17.00	1.084	0.441	/
	Level1			Left Tilt	0	656000	3840	1	137	0.11	0.395	16.65	17.00	1.084	0.428	/
	Level1			Right Cheek	0	656000	3840	1	137	0.04	0.242	16.65	17.00	1.084	0.262	/
	Level1			Right Tilt	0	656000	3840	1	137	0.15	0.276	16.65	17.00	1.084	0.299	/
	Level1			Left Cheek	0	662000	3930	135	138	-0.14	0.421	16.23	17.00	1.194	0.503	/
	Level1			Left Tilt	0	662000	3930	135	138	-0.14	0.418	16.23	17.00	1.194	0.499	/
	Level1			Right Cheek	0	662000	3930	135	138	-0.15	0.280	16.23	17.00	1.194	0.334	/
	Level1			Right Tilt	0	662000	3930	135	138	-0.10	0.293	16.23	17.00	1.194	0.350	/
Ant.5	Level3	DFT-s-OFDM BPSK	SA	Left Cheek	0	656000	3840	1	137	-0.12	0.460	17.01	17.50	1.119	0.515	/
	Level3			Left Tilt	0	656000	3840	1	137	0.04	0.445	17.01	17.50	1.119	0.498	/
	Level3			Right Cheek	0	656000	3840	1	137	-0.01	0.274	17.01	17.50	1.119	0.307	/
	Level3			Right Tilt	0	656000	3840	1	137	-0.06	0.310	17.01	17.50	1.119	0.347	/
	Level3			Left Cheek	0	662000	3930	135	138	-0.08	0.476	16.83	17.50	1.167	0.555	/
	Level3			Left Tilt	0	662000	3930	135	138	-0.07	0.469	16.83	17.50	1.167	0.547	/
	Level3			Right Cheek	0	662000	3930	135	138	-0.11	0.315	16.83	17.50	1.167	0.368	/
	Level3			Right Tilt	0	662000	3930	135	138	0.15	0.326	16.83	17.50	1.167	0.380	/
Ant.5	Level3	DFT-s-OFDM BPSK	NSA	Left Cheek	0	662000	3930	1	137	-0.13	0.327	15.42	16.00	1.143	0.374	/
	Level3			Left Tilt	0	662000	3930	1	137	0.13	0.316	15.42	16.00	1.143	0.361	/
	Level3			Right Cheek	0	662000	3930	1	137	0.13	0.196	15.42	16.00	1.143	0.224	/
	Level3			Right Tilt	0	662000	3930	1	137	0.13	0.224	15.42	16.00	1.143	0.256	/
	Level3			Left Cheek	0	656000	3840	135	69	0.02	0.340	15.42	16.00	1.143	0.389	/
	Level3			Left Tilt	0	656000	3840	135	69	0.08	0.336	15.42	16.00	1.143	0.384	/
	Level3			Right Cheek	0	656000	3840	135	69	0.01	0.223	15.42	16.00	1.143	0.255	/
	Level3			Right Tilt	0	656000	3840	135	69	0.03	0.231	15.42	16.00	1.143	0.264	/
Ant.2	Level1	DFT-s-OFDM BPSK	SA	Left Cheek	0	662000	3930	1	137	0.07	0.250	19.70	20.50	1.202	0.301	/
	Level1			Left Tilt	0	662000	3930	1	137	-0.08	0.080	19.70	20.50	1.202	0.096	/
	Level1			Right Cheek	0	662000	3930	1	137	0.02	0.470	19.70	20.50	1.202	0.565	/
	Level1			Right Tilt	0	662000	3930	1	137	0.13	0.117	19.70	20.50	1.202	0.141	/

	Level1			Left Cheek	0	662000	3930	135	69	-0.10	0.243	19.69	20.50	1.205	0.293	/
	Level1			Left Tilt	0	662000	3930	135	69	0.07	0.078	19.69	20.50	1.205	0.094	/
	Level1			Right Cheek	0	662000	3930	135	69	0.01	0.467	19.69	20.50	1.205	0.563	/
	Level1			Right Tilt	0	662000	3930	135	69	-0.11	0.115	19.69	20.50	1.205	0.139	/
Ant.2	Level3	DFT-s-OFDM BPSK	SA	Left Cheek	0	656000	3840	1	137	0.05	0.197	18.71	19.50	1.199	0.236	/
	Level3			Left Tilt	0	656000	3840	1	137	0.03	0.060	18.71	19.50	1.199	0.072	/
	Level3			Right Cheek	0	656000	3840	1	137	0.03	0.371	18.71	19.50	1.199	0.445	/
	Level3			Right Tilt	0	656000	3840	1	137	0.03	0.095	18.71	19.50	1.199	0.114	/
	Level3			Left Cheek	0	662000	3930	135	69	0.04	0.192	18.80	19.50	1.175	0.226	/
	Level3			Left Tilt	0	662000	3930	135	69	-0.08	0.062	18.80	19.50	1.175	0.073	/
	Level3			Right Cheek	0	662000	3930	135	69	-0.06	0.368	18.80	19.50	1.175	0.432	/
	Level3			Right Tilt	0	662000	3930	135	69	0.09	0.090	18.80	19.50	1.175	0.106	/
Ant.3	Level1	DFT-s-OFDM BPSK	SA	Left Cheek	0	656000	3840	1	137	-0.02	0.198	16.43	16.50	1.016	0.201	/
	Level1			Left Tilt	0	656000	3840	1	137	0.01	0.167	16.43	16.50	1.016	0.170	/
	Level1			Right Cheek	0	656000	3840	1	137	0.02	0.894	16.43	16.50	1.016	**0.909**	74#
	Level1			Right Cheek	0	650000	3750	1	137	-0.08	0.383	16.28	16.50	1.052	0.403	/
	Level1			Right Cheek	0	662000	3930	1	137	-0.06	0.700	16.19	16.50	1.074	0.752	/
	Level1			Right Tilt	0	656000	3840	1	137	0.05	0.405	16.43	16.50	1.016	0.412	/
	Level1			Left Cheek	0	662000	3930	135	0	-0.02	0.195	16.43	16.50	1.016	0.198	/
	Level1			Left Tilt	0	662000	3930	135	0	0.14	0.167	16.43	16.50	1.016	0.170	/
	Level1			Right Cheek	0	662000	3930	135	0	0.05	0.883	16.43	16.50	1.016	0.897	/
	Level1			Right Tilt	0	662000	3930	135	0	0.10	0.392	16.43	16.50	1.016	0.398	/
	Level1			Right Cheek	0	650000	3750	135	0	-0.09	0.318	16.18	16.50	1.076	0.342	/
	Level1			Right Cheek	0	650000	3750	135	69	-0.14	0.679	16.33	16.50	1.040	0.706	/
	Level1			Right Cheek	0	656000	3840	270	0	0.01	0.768	16.16	16.50	1.081	0.831	/
Ant.3	Level3	DFT-s-OFDM BPSK	SA	Left Cheek	0	662000	3930	1	137	0.08	0.156	15.24	15.50	1.062	0.166	/
	Level3			Left Tilt	0	662000	3930	1	137	0.02	0.131	15.24	15.50	1.062	0.139	/
	Level3			Right Cheek	0	662000	3930	1	137	0.07	0.708	15.24	15.50	1.062	0.752	/
	Level3			Right Tilt	0	662000	3930	1	137	0.10	0.302	15.24	15.50	1.062	0.321	/
	Level3			Left Cheek	0	662000	3930	135	69	0.09	0.155	15.36	15.50	1.033	0.160	/
	Level3			Left Tilt	0	662000	3930	135	69	-0.11	0.131	15.36	15.50	1.033	0.135	/
	Level3			Right Cheek	0	662000	3930	135	69	0.08	0.689	15.36	15.50	1.033	0.712	/
	Level3			Right Tilt	0	662000	3930	135	69	0.09	0.305	15.36	15.50	1.033	0.315	/
Ant.8	Level1	DFT-s-OFDM BPSK	SA	Left Cheek	0	662000	3930	1	1	0.14	0.592	22.94	23.00	1.014	0.600	/
	Level1			Left Tilt	0	662000	3930	1	1	0.12	0.181	22.94	23.00	1.014	0.184	/
	Level1			Right Cheek	0	662000	3930	1	1	-0.08	0.303	22.94	23.00	1.014	0.307	/
	Level1			Right Tilt	0	662000	3930	1	1	-0.13	0.086	22.94	23.00	1.014	0.087	/
	Level1			Left Cheek	0	662000	3930	135	69	-0.05	0.587	22.87	23.00	1.030	0.605	/
	Level1			Left Tilt	0	662000	3930	135	69	0.02	0.179	22.87	23.00	1.030	0.184	/
	Level1			Right Cheek	0	662000	3930	135	69	-0.08	0.308	22.87	23.00	1.030	0.317	/
	Level1			Right Tilt	0	662000	3930	135	69	-0.02	0.091	22.87	23.00	1.030	0.094	/
Ant.8	Level3	DFT-s-	SA	Left Cheek	0	662000	3930	1	1	0.07	0.469	21.94	22.00	1.014	0.476	/
	Level3			Left Tilt	0	662000	3930	1	1	-0.11	0.142	21.94	22.00	1.014	0.144	/

	Level3	OFDM		Right Cheek	0	662000	3930	1	1	-0.14	0.243	21.94	22.00	1.014	0.246	/
	Level3	BPSK		Right Tilt	0	662000	3930	1	1	0.01	0.069	21.94	22.00	1.014	0.070	/
	Level3			Left Cheek	0	656000	3840	135	69	-0.07	0.467	21.74	22.00	1.062	0.496	/
	Level3			Left Tilt	0	656000	3840	135	69	0.06	0.144	21.74	22.00	1.062	0.153	/
	Level3			Right Cheek	0	656000	3840	135	69	-0.14	0.248	21.74	22.00	1.062	0.263	/
	Level3			Right Tilt	0	656000	3840	135	69	0.10	0.073	21.74	22.00	1.062	0.078	/
Body-worn																
Ant.5	Level2&4	DFT-s-OFDM BPSK	SA	Front Side	15	656000	3840	1	137	-0.08	0.147	24.99	25.50	1.125	0.165	/
	Level2&4			Back Side	15	656000	3840	1	137	-0.04	0.225	24.99	25.50	1.125	0.253	/
	Level2&4			Front Side	15	656000	3840	135	138	0.09	0.146	24.66	25.50	1.213	0.177	/
	Level2&4			Back Side	15	656000	3840	135	138	0.12	0.261	24.66	25.50	1.213	**0.317**	75#
Ant.5	Level2	DFT-s-OFDM BPSK	NSA	Front Side	15	662000	3930	1	137	-0.03	0.118	23.97	24.50	1.130	0.133	/
	Level2			Back Side	15	662000	3930	1	137	-0.13	0.180	23.97	24.50	1.130	0.203	/
	Level2			Front Side	15	656000	3840	135	69	0.11	0.117	23.69	24.50	1.205	0.141	/
	Level2			Back Side	15	656000	3840	135	69	-0.11	0.209	23.69	24.50	1.205	0.252	/
Ant.5	Level4	DFT-s-OFDM BPSK	NSA	Front Side	15	662000	3930	1	137	-0.13	0.092	22.97	23.50	1.130	0.104	/
	Level4			Back Side	15	662000	3930	1	137	0.07	0.142	22.97	23.50	1.130	0.160	/
	Level4			Front Side	15	650000	3750	135	138	-0.01	0.091	22.62	23.50	1.225	0.111	/
	Level4			Back Side	15	650000	3750	135	138	-0.10	0.165	22.62	23.50	1.225	0.202	/
Ant.2	Level2	DFT-s-OFDM BPSK	SA	Front Side	15	656000	3840	1	137	-0.08	0.120	18.71	19.50	1.199	0.144	/
	Level2			Back Side	15	656000	3840	1	137	0.10	0.192	18.71	19.50	1.199	0.230	/
	Level2			Front Side	15	662000	3930	135	69	-0.14	0.124	18.80	19.50	1.175	0.146	/
	Level2			Back Side	15	662000	3930	135	69	0.01	0.204	18.80	19.50	1.175	0.240	/
Ant.2	Level4	DFT-s-OFDM BPSK	SA	Front Side	15	662000	3930	1	137	0.10	0.093	17.63	18.50	1.222	0.114	/
	Level4			Back Side	15	662000	3930	1	137	0.09	0.151	17.63	18.50	1.222	0.184	/
	Level4			Front Side	15	662000	3930	135	69	-0.06	0.098	17.79	18.50	1.178	0.115	/
	Level4			Back Side	15	662000	3930	135	69	-0.15	0.160	17.79	18.50	1.178	0.188	/
Ant.3	Level2&4	DFT-s-OFDM BPSK	SA	Front Side	15	650000	3750	1	137	0.10	0.233	21.38	21.50	1.028	0.240	/
	Level2&4			Back Side	15	650000	3750	1	137	-0.07	0.236	21.38	21.50	1.028	0.243	/
	Level2&4			Front Side	15	650000	3750	135	0	-0.02	0.231	21.39	21.50	1.026	0.237	/
	Level2&4			Back Side	15	650000	3750	135	0	-0.12	0.233	21.39	21.50	1.026	0.239	/
Ant.8	Level2&4	DFT-s-OFDM BPSK	SA	Front Side	15	662000	3930	1	137	-0.06	0.080	24.51	24.50	0.998	0.080	/
	Level2&4			Back Side	15	662000	3930	1	137	0.13	0.219	24.51	24.50	0.998	0.218	/
	Level2&4			Front Side	15	662000	3930	135	69	-0.03	0.087	24.34	24.50	1.038	0.090	/
	Level2&4			Back Side	15	662000	3930	135	69	0.02	0.245	24.34	24.50	1.038	0.254	/
Hotspot																
Ant.5	Level4	DFT-s-OFDM BPSK	SA	Front Side	10	656000	3840	1	137	0.13	0.373	24.99	25.50	1.125	0.419	/
	Level4			Back Side	10	656000	3840	1	137	-0.11	0.735	24.99	25.50	1.125	0.827	/
	Level4			Left Edge	10	656000	3840	1	137	0.04	0.329	24.99	25.50	1.125	0.370	/
	Level4			Top Edge	10	656000	3840	1	137	-0.05	0.711	24.99	25.50	1.125	0.800	/
	Level4			Back Side	10	650000	3750	1	137	-0.06	0.341	24.81	25.50	1.172	0.400	/
	Level4			Back Side	10	662000	3930	1	137	-0.15	0.639	24.96	25.50	1.132	0.724	/
	Level4			Front Side	10	656000	3840	135	138	-0.09	0.402	24.66	25.50	1.213	0.488	/

	Level4			Back Side	10	656000	3840	135	138	0.03	0.730	24.66	25.50	1.213	0.886	/
	Level4			Left Edge	10	656000	3840	135	138	0.07	0.339	24.66	25.50	1.213	0.411	/
	Level4			Top Edge	10	656000	3840	135	138	0.05	0.732	24.66	25.50	1.213	0.888	/
	Level4			Back Side	10	650000	3750	135	69	0.11	0.436	24.56	25.50	1.242	0.541	/
	Level4			Back Side	10	662000	3930	135	138	0.03	0.742	24.61	25.50	1.227	**0.911**	76#
	Level4			Back Side	10	662000	3930	270	0	-0.02	0.665	24.61	25.50	1.227	0.816	/
Ant.5	Level4	DFT-s-OFDM BPSK	NSA	Front Side	10	662000	3930	1	137	0.06	0.236	22.97	23.50	1.130	0.267	/
	Level4			Back Side	10	662000	3930	1	137	0.00	0.402	22.97	23.50	1.130	0.454	/
	Level4			Left Edge	10	662000	3930	1	137	-0.02	0.206	22.97	23.50	1.130	0.233	/
	Level4			Top Edge	10	662000	3930	1	137	0.06	0.385	22.97	23.50	1.130	0.435	/
	Level4			Front Side	10	650000	3750	135	138	0.14	0.253	22.62	23.50	1.225	0.310	/
	Level4			Back Side	10	650000	3750	135	138	-0.06	0.403	22.62	23.50	1.225	0.494	/
	Level4			Left Edge	10	650000	3750	135	138	0.06	0.211	22.62	23.50	1.225	0.258	/
	Level4			Top Edge	10	650000	3750	135	138	0.05	0.381	22.62	23.50	1.225	0.467	/
Ant.2	Level4	DFT-s-OFDM BPSK	SA	Front Side	10	662000	3930	1	137	0.06	0.102	17.63	18.50	1.222	0.125	/
	Level4			Back Side	10	662000	3930	1	137	0.04	0.432	17.63	18.50	1.222	0.528	/
	Level4			Right Edge	10	662000	3930	1	137	-0.13	0.413	17.63	18.50	1.222	0.505	/
	Level4			Top Edge	10	662000	3930	1	137	0.10	0.024	17.63	18.50	1.222	0.029	/
	Level4			Front Side	10	662000	3930	135	69	0.01	0.104	17.79	18.50	1.178	0.122	/
	Level4			Back Side	10	662000	3930	135	69	-0.15	0.425	17.79	18.50	1.178	0.500	/
	Level4			Right Edge	10	662000	3930	135	69	-0.13	0.442	17.79	18.50	1.178	0.521	/
	Level4			Top Edge	10	662000	3930	135	69	0.00	0.027	17.79	18.50	1.178	0.032	/
Ant.3	Level4	DFT-s-OFDM BPSK	SA	Front Side	10	656000	3840	1	137	0.09	0.398	22.42	22.50	1.019	0.405	/
	Level4			Back Side	10	656000	3840	1	137	0.09	0.395	22.42	22.50	1.019	0.402	/
	Level4			Right Edge	10	656000	3840	1	137	0.04	0.695	22.42	22.50	1.019	0.708	/
	Level4			Top Edge	10	656000	3840	1	137	0.15	0.292	22.42	22.50	1.019	0.297	/
	Level4			Front Side	10	656000	3840	135	0	0.13	0.468	22.36	22.50	1.033	0.483	/
	Level4			Back Side	10	656000	3840	135	0	-0.04	0.466	22.36	22.50	1.033	0.481	/
	Level4			Right Edge	10	656000	3840	135	0	0.04	0.746	22.36	22.50	1.033	0.770	/
	Level4			Top Edge	10	656000	3840	135	0	0.07	0.268	22.36	22.50	1.033	0.277	/
Ant.8	Level4	DFT-s-OFDM BPSK	SA	Front Side	10	662000	3930	1	137	0.01	0.173	24.51	24.50	0.998	0.173	/
	Level4			Back Side	10	662000	3930	1	137	-0.04	0.474	24.51	24.50	0.998	0.473	/
	Level4			Left Edge	10	662000	3930	1	137	-0.06	0.402	24.51	24.50	0.998	0.401	/
	Level4			Top Edge	10	662000	3930	1	137	0.08	0.090	24.51	24.50	0.998	0.090	/
	Level4			Front Side	10	662000	3930	135	69	0.12	0.180	24.34	24.50	1.038	0.187	/
	Level4			Back Side	10	662000	3930	135	69	-0.10	0.577	24.34	24.50	1.038	0.599	/
	Level4			Left Edge	10	662000	3930	135	69	0.09	0.421	24.34	24.50	1.038	0.437	/
	Level4			Top Edge	10	662000	3930	135	69	0.14	0.099	24.34	24.50	1.038	0.103	/

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

Antenna	Power Reduction	Mode	Information	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	10 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	10g Scaled SAR (W/kg)	Meas. No.
Specific																
Ant.2	Level2	DFT-s-OFDM BPSK	SA	Back Side	0	656000	3840	1	137	-0.14	1.130	18.71	19.50	1.199	1.355	/
	Level2			Right Edge	0	656000	3840	1	137	-0.13	1.280	18.71	19.50	1.199	1.535	/
	Level2			Back Side	0	662000	3930	135	69	-0.07	1.189	18.80	19.50	1.175	1.397	/
	Level2			Right Edge	0	662000	3930	135	69	0.15	1.400	18.80	19.50	1.175	**1.645**	77#
Ant.2	Level4	DFT-s-OFDM BPSK	SA	Back Side	0	662000	3930	1	137	0.09	0.893	17.63	18.50	1.222	1.091	/
	Level4			Right Edge	0	662000	3930	1	137	0.13	1.050	17.63	18.50	1.222	1.283	/
	Level4			Back Side	0	662000	3930	135	69	-0.08	0.951	17.79	18.50	1.178	1.120	/
	Level4			Right Edge	0	662000	3930	135	69	0.01	1.130	17.79	18.50	1.178	1.331	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.																

10.24 n78 3450-3550MHz (100MHz Bandwidth)

Antenna	Power Reduction	Mode	Information	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.5	Level1	DFT-s-OFDM BPSK	SA	Left Cheek	0	633334	3500.01	1	137	-0.06	0.413	17.91	18.50	1.146	0.473	/
	Level1			Left Tilt	0	633334	3500.01	1	137	0.12	0.240	17.91	18.50	1.146	0.275	/
	Level1			Right Cheek	0	633334	3500.01	1	137	-0.08	0.145	17.91	18.50	1.146	0.166	/
	Level1			Right Tilt	0	633334	3500.01	1	137	-0.03	0.171	17.91	18.50	1.146	0.196	/
	Level1			Left Cheek	0	633334	3500.01	135	69	0.13	0.431	17.92	18.50	1.143	0.493	/
	Level1			Left Tilt	0	633334	3500.01	135	69	0.02	0.197	17.92	18.50	1.143	0.225	/
	Level1			Right Cheek	0	633334	3500.01	135	69	0.12	0.182	17.92	18.50	1.143	0.208	/
	Level1			Right Tilt	0	633334	3500.01	135	69	0.06	0.208	17.92	18.50	1.143	0.238	/
Ant.5	Level1	DFT-s-OFDM BPSK	NSA	Left Cheek	0	633334	3500.01	1	137	0.13	0.288	16.46	17.00	1.132	0.326	/
	Level1			Left Tilt	0	633334	3500.01	1	137	0.05	0.167	16.46	17.00	1.132	0.189	/
	Level1			Right Cheek	0	633334	3500.01	1	137	0.03	0.106	16.46	17.00	1.132	0.120	/
	Level1			Right Tilt	0	633334	3500.01	1	137	-0.12	0.122	16.46	17.00	1.132	0.138	/
	Level1			Left Cheek	0	633334	3500.01	135	69	0.13	0.302	16.45	17.00	1.135	0.343	/
	Level1			Left Tilt	0	633334	3500.01	135	69	0.01	0.143	16.45	17.00	1.135	0.162	/
	Level1			Right Cheek	0	633334	3500.01	135	69	-0.02	0.129	16.45	17.00	1.135	0.146	/
	Level1			Right Tilt	0	633334	3500.01	135	69	-0.11	0.146	16.45	17.00	1.135	0.166	/
Ant.5	Level3	DFT-s-OFDM BPSK	SA	Left Cheek	0	633334	3500.01	1	137	-0.01	0.329	16.93	17.50	1.140	0.375	/
	Level3			Left Tilt	0	633334	3500.01	1	137	-0.03	0.192	16.93	17.50	1.140	0.219	/
	Level3			Right Cheek	0	633334	3500.01	1	137	0.11	0.118	16.93	17.50	1.140	0.135	/
	Level3			Right Tilt	0	633334	3500.01	1	137	-0.04	0.134	16.93	17.50	1.140	0.153	/
	Level3			Left Cheek	0	633334	3500.01	135	69	-0.01	0.344	16.89	17.50	1.151	0.396	/
	Level3			Left Tilt	0	633334	3500.01	135	69	-0.10	0.163	16.89	17.50	1.151	0.188	/
	Level3			Right Cheek	0	633334	3500.01	135	69	0.06	0.145	16.89	17.50	1.151	0.167	/
	Level3			Right Tilt	0	633334	3500.01	135	69	0.10	0.164	16.89	17.50	1.151	0.189	/
Ant.5	Level3	DFT-s-OFDM BPSK	NSA	Left Cheek	0	633334	3500.01	1	137	-0.06	0.234	15.47	16.00	1.130	0.264	/
	Level3			Left Tilt	0	633334	3500.01	1	137	-0.06	0.135	15.47	16.00	1.130	0.153	/
	Level3			Right Cheek	0	633334	3500.01	1	137	-0.11	0.084	15.47	16.00	1.130	0.095	/
	Level3			Right Tilt	0	633334	3500.01	1	137	0.03	0.094	15.47	16.00	1.130	0.106	/
	Level3			Left Cheek	0	633334	3500.01	135	69	0.06	0.244	15.36	16.00	1.159	0.283	/
	Level3			Left Tilt	0	633334	3500.01	135	69	0.05	0.116	15.36	16.00	1.159	0.134	/
	Level3			Right Cheek	0	633334	3500.01	135	69	0.08	0.105	15.36	16.00	1.159	0.122	/
	Level3			Right Tilt	0	633334	3500.01	135	69	0.00	0.119	15.36	16.00	1.159	0.138	/
Ant.2	Level1	DFT-s-OFDM BPSK	SA	Left Cheek	0	633334	3500.01	1	137	-0.03	0.236	19.03	20.00	1.250	0.295	/
	Level1			Left Tilt	0	633334	3500.01	1	137	-0.02	0.077	19.03	20.00	1.250	0.096	/
	Level1			Right Cheek	0	633334	3500.01	1	137	-0.05	0.449	19.03	20.00	1.250	0.561	/
	Level1			Right Tilt	0	633334	3500.01	1	137	-0.02	0.111	19.03	20.00	1.250	0.139	/

	Level1			Left Cheek	0	633334	3500.01	135	69	-0.04	0.241	19.02	20.00	1.253	0.302	/
	Level1			Left Tilt	0	633334	3500.01	135	69	0.10	0.077	19.02	20.00	1.253	0.096	/
	Level1			Right Cheek	0	633334	3500.01	135	69	0.11	0.458	19.02	20.00	1.253	0.574	/
	Level1			Right Tilt	0	633334	3500.01	135	69	0.06	0.246	19.02	20.00	1.253	0.308	/
Ant.2	Level3	DFT-s-OFDM BPSK	SA	Left Cheek	0	633334	3500.01	1	137	-0.05	0.184	18.02	19.00	1.253	0.231	/
	Level3			Left Tilt	0	633334	3500.01	1	137	0.13	0.062	18.02	19.00	1.253	0.078	/
	Level3			Right Cheek	0	633334	3500.01	1	137	0.10	0.352	18.02	19.00	1.253	0.441	/
	Level3			Right Tilt	0	633334	3500.01	1	137	-0.12	0.089	18.02	19.00	1.253	0.112	/
	Level3			Left Cheek	0	633334	3500.01	135	69	-0.07	0.192	18.02	19.00	1.253	0.241	/
	Level3			Left Tilt	0	633334	3500.01	135	69	0.07	0.061	18.02	19.00	1.253	0.076	/
	Level3			Right Cheek	0	633334	3500.01	135	69	0.05	0.354	18.02	19.00	1.253	0.444	/
	Level3			Right Tilt	0	633334	3500.01	135	69	-0.11	0.193	18.02	19.00	1.253	0.242	/
Ant.3	Level1	DFT-s-OFDM BPSK	SA	Left Cheek	0	633334	3500.01	1	137	0.05	0.337	15.85	16.50	1.161	0.391	/
	Level1			Left Tilt	0	633334	3500.01	1	137	0.03	0.174	15.85	16.50	1.161	0.202	/
	Level1			Right Cheek	0	633334	3500.01	1	137	-0.06	0.729	15.85	16.50	1.161	0.847	/
	Level1			Right Tilt	0	633334	3500.01	1	137	-0.02	0.450	15.85	16.50	1.161	0.523	/
	Level1			Left Cheek	0	633334	3500.01	135	0	0.08	0.355	15.67	16.50	1.211	0.430	/
	Level1			Left Tilt	0	633334	3500.01	135	0	0.01	0.175	15.67	16.50	1.211	0.212	/
	Level1			Right Cheek	0	633334	3500.01	135	0	-0.09	0.711	15.67	16.50	1.211	**0.861**	78#
	Level1			Right Tilt	0	633334	3500.01	135	0	-0.07	0.461	15.67	16.50	1.211	0.558	/
	Level1			Right Cheek	0	633334	3500.01	270	0	-0.12	0.098	15.49	16.50	1.262	0.124	/
Ant.3	Level3	DFT-s-OFDM BPSK	SA	Left Cheek	0	633334	3500.01	1	137	0.05	0.265	14.81	15.50	1.172	0.311	/
	Level3			Left Tilt	0	633334	3500.01	1	137	0.04	0.138	14.81	15.50	1.172	0.162	/
	Level3			Right Cheek	0	633334	3500.01	1	137	-0.07	0.603	14.81	15.50	1.172	0.707	/
	Level3			Right Tilt	0	633334	3500.01	1	137	-0.01	0.352	14.81	15.50	1.172	0.413	/
	Level3			Left Cheek	0	633334	3500.01	135	0	-0.05	0.076	14.85	15.50	1.161	0.088	/
	Level3			Left Tilt	0	633334	3500.01	135	0	0.13	0.095	14.85	15.50	1.161	0.110	/
	Level3			Right Cheek	0	633334	3500.01	135	0	0.03	0.277	14.85	15.50	1.161	0.322	/
	Level3			Right Tilt	0	633334	3500.01	135	0	0.01	0.141	14.85	15.50	1.161	0.164	/
Ant.8	Level1	DFT-s-OFDM BPSK	SA	Left Cheek	0	633334	3500.01	1	137	0.00	0.511	22.73	23.00	1.064	0.544	/
	Level1			Left Tilt	0	633334	3500.01	1	137	-0.07	0.196	22.73	23.00	1.064	0.209	/
	Level1			Right Cheek	0	633334	3500.01	1	137	-0.07	0.202	22.73	23.00	1.064	0.215	/
	Level1			Right Tilt	0	633334	3500.01	1	137	0.00	0.103	22.73	23.00	1.064	0.110	/
	Level1			Left Cheek	0	633334	3500.01	135	138	-0.04	0.443	22.81	23.00	1.045	0.463	/
	Level1			Left Tilt	0	633334	3500.01	135	138	-0.07	0.186	22.81	23.00	1.045	0.194	/
	Level1			Right Cheek	0	633334	3500.01	135	138	-0.04	0.193	22.81	23.00	1.045	0.202	/
	Level1			Right Tilt	0	633334	3500.01	135	138	0.13	0.099	22.81	23.00	1.045	0.103	/
Ant.8	Level3	DFT-s-OFDM BPSK	SA	Left Cheek	0	633334	3500.01	1	137	-0.08	0.400	21.58	22.00	1.102	0.441	/
	Level3			Left Tilt	0	633334	3500.01	1	137	0.10	0.154	21.58	22.00	1.102	0.170	/
	Level3			Right Cheek	0	633334	3500.01	1	137	-0.09	0.160	21.58	22.00	1.102	0.176	/
	Level3			Right Tilt	0	633334	3500.01	1	137	0.04	0.081	21.58	22.00	1.102	0.089	/
	Level3			Left Cheek	0	633334	3500.01	135	138	-0.01	0.355	21.64	22.00	1.086	0.386	/
	Level3			Left Tilt	0	633334	3500.01	135	138	0.12	0.147	21.64	22.00	1.086	0.160	/

	Level3			Right Cheek	0	633334	3500.01	135	138	-0.04	0.153	21.64	22.00	1.086	0.166	/
	Level3			Right Tilt	0	633334	3500.01	135	138	0.12	0.077	21.64	22.00	1.086	0.084	/
Body-worn																
Ant.5	Level2&4	DFT-s-OFDM BPSK	SA	Front Side	15	633334	3500.01	1	137	0.10	0.173	24.92	25.50	1.143	0.198	/
	Level2&4			Back Side	15	633334	3500.01	1	137	0.05	0.223	24.92	25.50	1.143	0.255	/
	Level2&4			Front Side	15	633334	3500.01	135	138	-0.05	0.171	24.66	25.50	1.213	0.207	/
	Level2&4			Back Side	15	633334	3500.01	135	138	0.13	0.232	24.66	25.50	1.213	**0.282**	79#
Ant.5	Level2	DFT-s-OFDM BPSK	NSA	Front Side	15	633334	3500.01	1	137	0.02	0.139	23.53	24.50	1.250	0.174	/
	Level2			Back Side	15	633334	3500.01	1	137	0.00	0.177	23.53	24.50	1.250	0.221	/
	Level2			Front Side	15	633334	3500.01	135	0	0.08	0.136	23.51	24.50	1.256	0.171	/
	Level2			Back Side	15	633334	3500.01	135	0	-0.04	0.184	23.51	24.50	1.256	0.231	/
Ant.5	Level4	DFT-s-OFDM BPSK	NSA	Front Side	15	633334	3500.01	1	137	0.06	0.110	22.62	23.50	1.225	0.135	/
	Level4			Back Side	15	633334	3500.01	1	137	-0.04	0.144	22.62	23.50	1.225	0.176	/
	Level4			Front Side	15	633334	3500.01	135	0	-0.02	0.109	22.75	23.50	1.189	0.130	/
	Level4			Back Side	15	633334	3500.01	135	0	-0.04	0.141	22.75	23.50	1.189	0.168	/
Ant.2	Level2	DFT-s-OFDM BPSK	NSA	Front Side	15	633334	3500.01	1	137	0.00	0.086	18.02	19.00	1.253	0.108	/
	Level2			Back Side	15	633334	3500.01	1	137	0.00	0.136	18.02	19.00	1.253	0.170	/
	Level2			Front Side	15	633334	3500.01	135	69	-0.08	0.088	18.02	19.00	1.253	0.110	/
	Level2			Back Side	15	633334	3500.01	135	69	0.00	0.145	18.02	19.00	1.253	0.182	/
Ant.2	Level4	DFT-s-OFDM BPSK	NSA	Front Side	15	633334	3500.01	1	137	-0.08	0.065	17.11	18.00	1.227	0.080	/
	Level4			Back Side	15	633334	3500.01	1	137	-0.05	0.107	17.11	18.00	1.227	0.131	/
	Level4			Front Side	15	633334	3500.01	135	0	-0.03	0.065	17.17	18.00	1.211	0.079	/
	Level4			Back Side	15	633334	3500.01	135	0	0.05	0.111	17.17	18.00	1.211	0.134	/
Ant.3	Level2&4	DFT-s-OFDM BPSK	NSA	Front Side	15	633334	3500.01	1	137	0.11	0.049	21.97	22.50	1.130	0.055	/
	Level2&4			Back Side	15	633334	3500.01	1	137	0.12	0.169	21.97	22.50	1.130	0.191	/
	Level2&4			Front Side	15	633334	3500.01	135	0	-0.10	0.046	21.73	22.50	1.194	0.055	/
	Level2&4			Back Side	15	633334	3500.01	135	0	0.04	0.174	21.73	22.50	1.194	0.208	/
Ant.8	Level2&4	DFT-s-OFDM BPSK	NSA	Front Side	15	633334	3500.01	1	137	-0.09	0.049	23.58	24.50	1.236	0.061	/
	Level2&4			Back Side	15	633334	3500.01	1	137	-0.08	0.169	23.58	24.50	1.236	0.209	/
	Level2&4			Front Side	15	633334	3500.01	135	138	0.05	0.048	23.76	24.50	1.186	0.057	/
	Level2&4			Back Side	15	633334	3500.01	135	138	0.05	0.168	23.76	24.50	1.186	0.199	/
Hotspot																
Ant.5	Level4	DFT-s-OFDM BPSK	SA	Front Side	10	633334	3500.01	1	137	-0.02	0.227	24.92	25.50	1.143	0.259	/
	Level4			Back Side	10	633334	3500.01	1	137	-0.04	0.410	24.92	25.50	1.143	0.469	/
	Level4			Left Edge	10	633334	3500.01	1	137	-0.12	0.330	24.92	25.50	1.143	0.377	/
	Level4			Top Edge	10	633334	3500.01	1	137	-0.07	0.424	24.92	25.50	1.143	0.485	/
	Level4			Front Side	10	633334	3500.01	135	138	-0.08	0.230	24.66	25.50	1.213	0.279	/
	Level4			Back Side	10	633334	3500.01	135	138	-0.08	0.426	24.66	25.50	1.213	0.517	/
	Level4			Left Edge	10	633334	3500.01	135	138	0.12	0.407	24.66	25.50	1.213	0.494	/
	Level4			Top Edge	10	633334	3500.01	135	138	-0.10	0.521	24.66	25.50	1.213	**0.632**	80#
Ant.5	Level4	DFT-s-OFDM BPSK	NSA	Front Side	10	633334	3500.01	1	137	0.05	0.123	22.62	23.50	1.225	0.151	/
	Level4			Back Side	10	633334	3500.01	1	137	0.08	0.224	22.62	23.50	1.225	0.274	/
	Level4			Left Edge	10	633334	3500.01	1	137	-0.01	0.188	22.62	23.50	1.225	0.230	/

	Level4			Top Edge	10	633334	3500.01	1	137	-0.10	0.235	22.62	23.50	1.225	0.288	/
	Level4			Front Side	10	633334	3500.01	135	0	-0.05	0.127	22.75	23.50	1.189	0.151	/
	Level4			Back Side	10	633334	3500.01	135	0	0.07	0.233	22.75	23.50	1.189	0.277	/
	Level4			Left Edge	10	633334	3500.01	135	0	-0.10	0.232	22.75	23.50	1.189	0.276	/
	Level4			Top Edge	10	633334	3500.01	135	0	-0.06	0.288	22.75	23.50	1.189	0.342	/
Ant.2	Level4	DFT-s-OFDM BPSK	SA	Front Side	10	633334	3500.01	1	137	0.09	0.167	17.11	18.00	1.227	0.205	/
	Level4			Back Side	10	633334	3500.01	1	137	0.05	0.319	17.11	18.00	1.227	0.392	/
	Level4			Right Edge	10	633334	3500.01	1	137	0.12	0.341	17.11	18.00	1.227	0.419	/
	Level4			Top Edge	10	633334	3500.01	1	137	-0.06	0.011	17.11	18.00	1.227	0.014	/
	Level4			Front Side	10	633334	3500.01	135	0	-0.05	0.163	17.17	18.00	1.211	0.197	/
	Level4			Back Side	10	633334	3500.01	135	0	0.08	0.294	17.17	18.00	1.211	0.356	/
	Level4			Right Edge	10	633334	3500.01	135	0	0.02	0.350	17.17	18.00	1.211	0.424	/
	Level4			Top Edge	10	633334	3500.01	135	0	0.07	0.013	17.17	18.00	1.211	0.016	/
Ant.3	Level4	DFT-s-OFDM BPSK	SA	Front Side	10	633334	3500.01	1	137	0.11	0.162	21.97	22.50	1.130	0.183	/
	Level4			Back Side	10	633334	3500.01	1	137	0.10	0.198	21.97	22.50	1.130	0.224	/
	Level4			Right Edge	10	633334	3500.01	1	137	0.10	0.336	21.97	22.50	1.130	0.380	/
	Level4			Top Edge	10	633334	3500.01	1	137	0.08	0.094	21.97	22.50	1.130	0.106	/
	Level4			Front Side	10	633334	3500.01	135	0	-0.10	0.212	21.73	22.50	1.194	0.253	/
	Level4			Back Side	10	633334	3500.01	135	0	-0.09	0.237	21.73	22.50	1.194	0.283	/
	Level4			Right Edge	10	633334	3500.01	135	0	0.12	0.378	21.73	22.50	1.194	0.451	/
	Level4			Top Edge	10	633334	3500.01	135	0	-0.06	0.124	21.73	22.50	1.194	0.148	/
Ant.8	Level4	DFT-s-OFDM BPSK	SA	Front Side	10	633334	3500.01	1	137	0.05	0.097	23.58	24.50	1.236	0.120	/
	Level4			Back Side	10	633334	3500.01	1	137	0.07	0.335	23.58	24.50	1.236	0.414	/
	Level4			Left Edge	10	633334	3500.01	1	137	-0.09	0.218	23.58	24.50	1.236	0.269	/
	Level4			Top Edge	10	633334	3500.01	1	137	-0.10	0.095	23.58	24.50	1.236	0.117	/
	Level4			Front Side	10	633334	3500.01	135	138	0.02	0.095	23.76	24.50	1.186	0.113	/
	Level4			Back Side	10	633334	3500.01	135	138	-0.09	0.356	23.76	24.50	1.186	0.422	/
	Level4			Left Edge	10	633334	3500.01	135	138	0.02	0.266	23.76	24.50	1.186	0.315	/
	Level4			Top Edge	10	633334	3500.01	135	138	0.03	0.089	23.76	24.50	1.186	0.106	/

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

10.25 n78 3700-3800MHz (100MHz Bandwidth)

Antenna	Power Reduction	Mode	Information	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.5	Level1	DFT-s-OFDM BPSK	SA	Left Cheek	0	650000	3750	1	137	0.12	0.458	18.06	18.50	1.107	0.507	/
	Level1			Left Tilt	0	650000	3750	1	137	0.12	0.265	18.06	18.50	1.107	0.293	/
	Level1			Right Cheek	0	650000	3750	1	137	-0.06	0.162	18.06	18.50	1.107	0.179	/
	Level1			Right Tilt	0	650000	3750	1	137	0.05	0.191	18.06	18.50	1.107	0.211	/
	Level1			Left Cheek	0	650000	3750	135	69	-0.06	0.478	18.11	18.50	1.094	0.523	/
	Level1			Left Tilt	0	650000	3750	135	69	0.02	0.218	18.11	18.50	1.094	0.238	/
	Level1			Right Cheek	0	650000	3750	135	69	0.01	0.203	18.11	18.50	1.094	0.222	/
	Level1			Right Tilt	0	650000	3750	135	69	0.00	0.232	18.11	18.50	1.094	0.254	/
Ant.5	Level1	DFT-s-OFDM BPSK	NSA	Left Cheek	0	650000	3750	1	137	0.04	0.323	16.56	17.00	1.107	0.357	/
	Level1			Left Tilt	0	650000	3750	1	137	0.04	0.186	16.56	17.00	1.107	0.206	/
	Level1			Right Cheek	0	650000	3750	1	137	0.11	0.118	16.56	17.00	1.107	0.131	/
	Level1			Right Tilt	0	650000	3750	1	137	-0.01	0.136	16.56	17.00	1.107	0.151	/
	Level1			Left Cheek	0	650000	3750	135	69	-0.09	0.337	16.51	17.00	1.119	0.377	/
	Level1			Left Tilt	0	650000	3750	135	69	0.06	0.160	16.51	17.00	1.119	0.179	/
	Level1			Right Cheek	0	650000	3750	135	69	-0.02	0.145	16.51	17.00	1.119	0.162	/
	Level1			Right Tilt	0	650000	3750	135	69	0.15	0.162	16.51	17.00	1.119	0.181	/
Ant.5	Level3	DFT-s-OFDM BPSK	SA	Left Cheek	0	650000	3750	1	137	0.05	0.365	16.97	17.50	1.130	0.412	/
	Level3			Left Tilt	0	650000	3750	1	137	0.02	0.212	16.97	17.50	1.130	0.240	/
	Level3			Right Cheek	0	650000	3750	1	137	0.07	0.131	16.97	17.50	1.130	0.148	/
	Level3			Right Tilt	0	650000	3750	1	137	-0.08	0.150	16.97	17.50	1.130	0.169	/
	Level3			Left Cheek	0	650000	3750	135	69	-0.07	0.380	16.89	17.50	1.151	0.437	/
	Level3			Left Tilt	0	650000	3750	135	69	-0.08	0.179	16.89	17.50	1.151	0.206	/
	Level3			Right Cheek	0	650000	3750	135	69	-0.15	0.161	16.89	17.50	1.151	0.185	/
	Level3			Right Tilt	0	650000	3750	135	69	0.01	0.184	16.89	17.50	1.151	0.212	/
Ant.5	Level3	DFT-s-OFDM BPSK	NSA	Left Cheek	0	650000	3750	1	137	0.04	0.259	15.55	16.00	1.109	0.287	/
	Level3			Left Tilt	0	650000	3750	1	137	-0.04	0.151	15.55	16.00	1.109	0.167	/
	Level3			Right Cheek	0	650000	3750	1	137	0.07	0.094	15.55	16.00	1.109	0.104	/
	Level3			Right Tilt	0	650000	3750	1	137	-0.09	0.104	15.55	16.00	1.109	0.115	/
	Level3			Left Cheek	0	650000	3750	135	69	0.09	0.271	15.50	16.00	1.122	0.304	/
	Level3			Left Tilt	0	650000	3750	135	69	0.15	0.128	15.50	16.00	1.122	0.144	/
	Level3			Right Cheek	0	650000	3750	135	69	-0.13	0.116	15.50	16.00	1.122	0.130	/
	Level3			Right Tilt	0	650000	3750	135	69	0.13	0.132	15.50	16.00	1.122	0.148	/
Ant.2	Level1	DFT-s-OFDM BPSK	SA	Left Cheek	0	650000	3750	1	137	-0.05	0.263	18.97	20.00	1.268	0.333	/
	Level1			Left Tilt	0	650000	3750	1	137	0.04	0.085	18.97	20.00	1.268	0.108	/
	Level1			Right Cheek	0	650000	3750	1	137	0.12	0.500	18.97	20.00	1.268	0.634	/
	Level1			Right Tilt	0	650000	3750	1	137	-0.09	0.123	18.97	20.00	1.268	0.156	/

	Level1			Left Cheek	0	650000	3750	135	69	-0.08	0.269	18.92	20.00	1.282	0.345	/
	Level1			Left Tilt	0	650000	3750	135	69	-0.04	0.086	18.92	20.00	1.282	0.110	/
	Level1			Right Cheek	0	650000	3750	135	69	0.00	0.508	18.92	20.00	1.282	0.651	/
	Level1			Right Tilt	0	650000	3750	135	69	-0.15	0.271	18.92	20.00	1.282	0.348	/
Ant.2	Level3	DFT-s-OFDM BPSK	SA	Left Cheek	0	650000	3750	1	137	0.04	0.206	18.11	19.00	1.227	0.253	/
	Level3			Left Tilt	0	650000	3750	1	137	-0.01	0.068	18.11	19.00	1.227	0.083	/
	Level3			Right Cheek	0	650000	3750	1	137	-0.09	0.395	18.11	19.00	1.227	0.485	/
	Level3			Right Tilt	0	650000	3750	1	137	-0.02	0.099	18.11	19.00	1.227	0.122	/
	Level3			Left Cheek	0	650000	3750	135	69	-0.09	0.214	17.91	19.00	1.285	0.275	/
	Level3			Left Tilt	0	650000	3750	135	69	0.11	0.068	17.91	19.00	1.285	0.087	/
	Level3			Right Cheek	0	650000	3750	135	69	0.06	0.397	17.91	19.00	1.285	0.510	/
	Level3			Right Tilt	0	650000	3750	135	69	0.07	0.214	17.91	19.00	1.285	0.275	/
Ant.3	Level1	DFT-s-OFDM BPSK	SA	Left Cheek	0	650000	3750	1	137	0.10	0.378	15.84	16.50	1.164	0.440	/
	Level1			Left Tilt	0	650000	3750	1	137	0.12	0.193	15.84	16.50	1.164	0.225	/
	Level1			Right Cheek	0	650000	3750	1	137	-0.05	0.856	15.84	16.50	1.164	0.996	/
	Level1			Right Tilt	0	650000	3750	1	137	0.14	0.498	15.84	16.50	1.164	0.580	/
	Level1			Left Cheek	0	650000	3750	135	138	0.13	0.391	15.62	16.50	1.225	0.479	/
	Level1			Left Tilt	0	650000	3750	135	138	-0.10	0.195	15.62	16.50	1.225	0.239	/
	Level1			Right Cheek	0	650000	3750	135	138	-0.05	0.949	15.62	16.50	1.225	**1.162**	81#
	Level1			Right Tilt	0	650000	3750	135	138	0.15	0.510	15.62	16.50	1.225	0.625	/
	Level1			Right Cheek	0	650000	3750	270	0	0.08	0.580	15.36	16.50	1.300	0.754	/
Ant.3	Level3	DFT-s-OFDM BPSK	SA	Left Cheek	0	650000	3750	1	137	0.13	0.297	14.73	15.50	1.194	0.355	/
	Level3			Left Tilt	0	650000	3750	1	137	0.07	0.154	14.73	15.50	1.194	0.184	/
	Level3			Right Cheek	0	650000	3750	1	137	-0.03	0.670	14.73	15.50	1.194	0.800	/
	Level3			Right Tilt	0	650000	3750	1	137	0.05	0.392	14.73	15.50	1.194	0.468	/
	Level3			Left Cheek	0	650000	3750	135	0	-0.04	0.085	14.91	15.50	1.146	0.097	/
	Level3			Left Tilt	0	650000	3750	135	0	0.15	0.106	14.91	15.50	1.146	0.121	/
	Level3			Right Cheek	0	650000	3750	135	0	-0.06	0.305	14.91	15.50	1.146	0.349	/
	Level3			Right Tilt	0	650000	3750	135	0	-0.13	0.156	14.91	15.50	1.146	0.179	/
Ant.8	Level1	DFT-s-OFDM BPSK	SA	Left Cheek	0	650000	3750	1	137	-0.06	0.564	22.79	23.00	1.050	0.592	/
	Level1			Left Tilt	0	650000	3750	1	137	-0.10	0.216	22.79	23.00	1.050	0.227	/
	Level1			Right Cheek	0	650000	3750	1	137	-0.13	0.223	22.79	23.00	1.050	0.234	/
	Level1			Right Tilt	0	650000	3750	1	137	-0.08	0.115	22.79	23.00	1.050	0.121	/
	Level1			Left Cheek	0	650000	3750	135	138	-0.06	0.495	22.69	23.00	1.074	0.532	/
	Level1			Left Tilt	0	650000	3750	135	138	-0.07	0.205	22.69	23.00	1.074	0.220	/
	Level1			Right Cheek	0	650000	3750	135	138	0.06	0.215	22.69	23.00	1.074	0.231	/
	Level1			Right Tilt	0	650000	3750	135	138	-0.14	0.109	22.69	23.00	1.074	0.117	/
Ant.8	Level3	DFT-s-OFDM BPSK	SA	Left Cheek	0	650000	3750	1	137	0.04	0.448	21.48	22.00	1.127	0.505	/
	Level3			Left Tilt	0	650000	3750	1	137	-0.15	0.172	21.48	22.00	1.127	0.194	/
	Level3			Right Cheek	0	650000	3750	1	137	0.01	0.176	21.48	22.00	1.127	0.198	/
	Level3			Right Tilt	0	650000	3750	1	137	0.15	0.090	21.48	22.00	1.127	0.101	/
	Level3			Left Cheek	0	650000	3750	135	138	0.14	0.393	21.61	22.00	1.094	0.430	/
	Level3			Left Tilt	0	650000	3750	135	138	0.12	0.162	21.61	22.00	1.094	0.177	/

	Level3			Right Cheek	0	650000	3750	135	138	-0.09	0.170	21.61	22.00	1.094	0.186	/
	Level3			Right Tilt	0	650000	3750	135	138	-0.07	0.085	21.61	22.00	1.094	0.093	/
Body-worn																
Ant.5	Level2&4	DFT-s-OFDM BPSK	SA	Front Side	15	650000	3750	1	137	-0.13	0.194	24.74	25.50	1.191	0.231	/
	Level2&4			Back Side	15	650000	3750	1	137	-0.15	0.249	24.74	25.50	1.191	0.297	/
	Level2&4			Front Side	15	650000	3750	135	138	0.12	0.189	24.72	25.50	1.197	0.226	/
	Level2&4			Back Side	15	650000	3750	135	138	0.12	0.257	24.72	25.50	1.197	**0.308**	82#
Ant.5	Level2	DFT-s-OFDM BPSK	NSA	Front Side	15	650000	3750	1	137	-0.01	0.153	23.52	24.50	1.253	0.192	/
	Level2			Back Side	15	650000	3750	1	137	0.09	0.196	23.52	24.50	1.253	0.246	/
	Level2			Front Side	15	650000	3750	135	0	0.06	0.151	23.46	24.50	1.271	0.192	/
	Level2			Back Side	15	650000	3750	135	0	-0.11	0.205	23.46	24.50	1.271	0.260	/
Ant.5	Level4	DFT-s-OFDM BPSK	NSA	Front Side	15	650000	3750	1	137	0.07	0.121	22.68	23.50	1.208	0.146	/
	Level4			Back Side	15	650000	3750	1	137	-0.08	0.158	22.68	23.50	1.208	0.191	/
	Level4			Front Side	15	650000	3750	135	0	0.07	0.121	22.73	23.50	1.194	0.144	/
	Level4			Back Side	15	650000	3750	135	0	-0.01	0.158	22.73	23.50	1.194	0.189	/
Ant.2	Level2	DFT-s-OFDM BPSK	NSA	Front Side	15	650000	3750	1	137	0.04	0.096	18.11	19.00	1.227	0.118	/
	Level2			Back Side	15	650000	3750	1	137	0.05	0.152	18.11	19.00	1.227	0.187	/
	Level2			Front Side	15	650000	3750	135	69	0.06	0.097	17.91	19.00	1.285	0.125	/
	Level2			Back Side	15	650000	3750	135	69	-0.15	0.161	17.91	19.00	1.285	0.207	/
Ant.2	Level4	DFT-s-OFDM BPSK	NSA	Front Side	15	650000	3750	1	137	-0.01	0.073	17.01	18.00	1.256	0.092	/
	Level4			Back Side	15	650000	3750	1	137	0.03	0.120	17.01	18.00	1.256	0.151	/
	Level4			Front Side	15	650000	3750	135	0	-0.08	0.072	17.03	18.00	1.250	0.090	/
	Level4			Back Side	15	650000	3750	135	0	0.11	0.124	17.03	18.00	1.250	0.155	/
Ant.3	Level2&4	DFT-s-OFDM BPSK	NSA	Front Side	15	650000	3750	1	137	-0.07	0.054	21.87	22.50	1.156	0.062	/
	Level2&4			Back Side	15	650000	3750	1	137	-0.05	0.189	21.87	22.50	1.156	0.219	/
	Level2&4			Front Side	15	650000	3750	135	0	0.13	0.051	21.65	22.50	1.216	0.062	/
	Level2&4			Back Side	15	650000	3750	135	0	0.07	0.192	21.65	22.50	1.216	0.234	/
Ant.8	Level2&4	DFT-s-OFDM BPSK	NSA	Front Side	15	650000	3750	1	137	0.13	0.055	23.60	24.50	1.230	0.068	/
	Level2&4			Back Side	15	650000	3750	1	137	0.10	0.189	23.60	24.50	1.230	0.233	/
	Level2&4			Front Side	15	650000	3750	135	138	0.15	0.053	23.57	24.50	1.239	0.066	/
	Level2&4			Back Side	15	650000	3750	135	138	0.10	0.186	23.57	24.50	1.239	0.230	/
Hotspot																
Ant.5	Level4	DFT-s-OFDM BPSK	SA	Front Side	10	650000	3750	1	137	0.10	0.250	24.74	25.50	1.191	0.298	/
	Level4			Back Side	10	650000	3750	1	137	0.15	0.454	24.74	25.50	1.191	0.541	/
	Level4			Left Edge	10	650000	3750	1	137	0.13	0.369	24.74	25.50	1.191	0.440	/
	Level4			Top Edge	10	650000	3750	1	137	-0.02	0.474	24.74	25.50	1.191	0.565	/
	Level4			Front Side	10	650000	3750	135	138	0.09	0.256	24.72	25.50	1.197	0.306	/
	Level4			Back Side	10	650000	3750	135	138	0.14	0.473	24.72	25.50	1.197	0.566	/
	Level4			Left Edge	10	650000	3750	135	138	-0.04	0.455	24.72	25.50	1.197	0.545	/
	Level4			Top Edge	10	650000	3750	135	138	0.04	0.580	24.72	25.50	1.197	**0.694**	83#
Ant.5	Level4	DFT-s-	NSA	Front Side	10	650000	3750	1	137	-0.01	0.135	22.68	23.50	1.208	0.163	/
	Level4			Back Side	10	650000	3750	1	137	0.00	0.251	22.68	23.50	1.208	0.303	/
	Level4			Left Edge	10	650000	3750	1	137	-0.01	0.209	22.68	23.50	1.208	0.252	/

	Level4	OFDM BPSK		Top Edge	10	650000	3750	1	137	-0.12	0.263	22.68	23.50	1.208	0.318	/
	Level4			Front Side	10	650000	3750	135	0	-0.09	0.142	22.73	23.50	1.194	0.170	/
	Level4			Back Side	10	650000	3750	135	0	-0.08	0.261	22.73	23.50	1.194	0.312	/
	Level4			Left Edge	10	650000	3750	135	0	-0.03	0.258	22.73	23.50	1.194	0.308	/
	Level4			Top Edge	10	650000	3750	135	0	0.08	0.320	22.73	23.50	1.194	0.382	/
Ant.2	Level4	DFT-s-OFDM BPSK	SA	Front Side	10	650000	3750	1	137	0.12	0.186	17.01	18.00	1.256	0.234	/
	Level4			Back Side	10	650000	3750	1	137	-0.02	0.352	17.01	18.00	1.256	0.442	/
	Level4			Right Edge	10	650000	3750	1	137	-0.09	0.406	17.01	18.00	1.256	0.510	/
	Level4			Top Edge	10	650000	3750	1	137	-0.13	0.012	17.01	18.00	1.256	0.015	/
	Level4			Front Side	10	650000	3750	135	69	-0.12	0.183	17.03	18.00	1.250	0.229	/
	Level4			Back Side	10	650000	3750	135	69	0.12	0.328	17.03	18.00	1.250	0.410	/
	Level4			Right Edge	10	650000	3750	135	69	0.04	0.406	17.03	18.00	1.250	0.508	/
	Level4			Top Edge	10	650000	3750	135	69	-0.13	0.015	17.03	18.00	1.250	0.019	/
Ant.3	Level4	DFT-s-OFDM BPSK	SA	Front Side	10	650000	3750	1	137	-0.07	0.180	21.87	22.50	1.156	0.208	/
	Level4			Back Side	10	650000	3750	1	137	0.07	0.218	21.87	22.50	1.156	0.252	/
	Level4			Right Edge	10	650000	3750	1	137	-0.08	0.374	21.87	22.50	1.156	0.432	/
	Level4			Top Edge	10	650000	3750	1	137	-0.06	0.104	21.87	22.50	1.156	0.120	/
	Level4			Front Side	10	650000	3750	135	0	-0.11	0.235	21.65	22.50	1.216	0.286	/
	Level4			Back Side	10	650000	3750	135	0	0.08	0.264	21.65	22.50	1.216	0.321	/
	Level4			Right Edge	10	650000	3750	135	0	-0.08	0.417	21.65	22.50	1.216	0.507	/
	Level4			Top Edge	10	650000	3750	135	0	-0.13	0.137	21.65	22.50	1.216	0.167	/
Ant.8	Level4	DFT-s-OFDM BPSK	SA	Front Side	10	650000	3750	1	137	-0.01	0.108	23.60	24.50	1.230	0.133	/
	Level4			Back Side	10	650000	3750	1	137	-0.09	0.372	23.60	24.50	1.230	0.458	/
	Level4			Left Edge	10	650000	3750	1	137	0.05	0.243	23.60	24.50	1.230	0.299	/
	Level4			Top Edge	10	650000	3750	1	137	-0.05	0.105	23.60	24.50	1.230	0.129	/
	Level4			Front Side	10	650000	3750	135	138	-0.11	0.106	23.57	24.50	1.239	0.131	/
	Level4			Back Side	10	650000	3750	135	138	0.02	0.398	23.57	24.50	1.239	0.493	/
	Level4			Left Edge	10	650000	3750	135	138	-0.02	0.293	23.57	24.50	1.239	0.363	/
	Level4			Top Edge	10	650000	3750	135	138	0.06	0.099	23.57	24.50	1.239	0.123	/

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

Antenna	Power Reduction	Mode	Information	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	10 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	10g Scaled SAR (W/kg)	Meas. No.
Specific																
Ant.2	Level2	DFT-s-OFDM BPSK	SA	Back Side	0	650000	3750	1	137	0.02	0.976	18.11	19.00	1.227	1.198	/
	Level2			Right Edge	0	650000	3750	1	137	0.06	1.020	18.11	19.00	1.227	1.252	/
	Level2			Back Side	0	650000	3750	135	69	0.11	1.000	17.91	19.00	1.285	1.285	/
	Level2			Right Edge	0	650000	3750	135	69	0.07	1.140	17.91	19.00	1.285	**1.465**	84#
Ant.2	Level4	DFT-s-OFDM BPSK	SA	Back Side	0	650000	3750	1	137	-0.05	0.772	17.01	18.00	1.256	0.970	/
	Level4			Right Edge	0	650000	3750	1	137	-0.09	0.911	17.01	18.00	1.256	1.144	/
	Level4			Back Side	0	650000	3750	135	0	0.07	0.825	17.03	18.00	1.250	1.031	/
	Level4			Right Edge	0	650000	3750	135	0	-0.09	0.915	17.03	18.00	1.250	1.144	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.																

10.26 WIFI 2.4GHz

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	Duty Cycle (%)	Scaling Factor	1 g Scaled SAR (W/kg)	Meas. No.
Head															
Ant.6	Level1	802.11 b	Left Cheek	0	6	2437	-0.02	0.862	18.91	19.00	1.021	98.00	1.020	**0.898**	85#
	Level1	802.11 b	Left Tilt	0	6	2437	0.02	0.640	18.91	19.00	1.021	98.00	1.020	0.667	/
	Level1	802.11 b	Right Cheek	0	6	2437	-0.13	0.305	18.91	19.00	1.021	98.00	1.020	0.318	/
	Level1	802.11 b	Right Tilt	0	6	2437	0.01	0.274	18.91	19.00	1.021	98.00	1.020	0.285	/
	Level1	802.11 b	Left Cheek	0	1	2412	0.11	0.727	18.35	19.00	1.161	98.00	1.020	0.861	/
	Level1	802.11 b	Left Cheek	0	11	2462	0.14	0.811	18.83	19.00	1.040	98.00	1.020	0.860	/
Ant.6	Level3	802.11 b	Left Cheek	0	6	2437	-0.02	0.530	16.31	17.00	1.172	98.00	1.020	0.634	/
	Level3	802.11 b	Left Tilt	0	6	2437	0.01	0.392	16.31	17.00	1.172	98.00	1.020	0.469	/
	Level3	802.11 b	Right Cheek	0	6	2437	0.02	0.186	16.31	17.00	1.172	98.00	1.020	0.222	/
	Level3	802.11 b	Right Tilt	0	6	2437	0.13	0.167	16.31	17.00	1.172	98.00	1.020	0.200	/
Body-Wron															
Ant.6	Level2&4	802.11 b	Front Side	15	6	2437	0.00	0.075	18.91	19.00	1.021	98.00	1.020	0.078	/
	Level2&4	802.11 b	Back Side	15	6	2437	0.09	0.106	18.91	19.00	1.021	98.00	1.020	**0.110**	86#
Hotspot															
Ant.6	Level4	802.11 b	Front Side	10	6	2437	0.13	0.145	18.91	19.00	1.021	98.00	1.020	0.151	/
	Level4	802.11 b	Back Side	10	6	2437	0.03	0.230	18.91	19.00	1.021	98.00	1.020	**0.240**	87#
	Level4	802.11 b	Left Edge	10	6	2437	-0.08	0.161	18.91	19.00	1.021	98.00	1.020	0.168	/
	Level4	802.11 b	Top Edge	10	6	2437	-0.15	0.134	18.91	19.00	1.021	98.00	1.020	0.140	/

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

10.27 WIFI 5GHz

Antenna	Band	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	Duty Cycle (%)	Scaling Factor	1 g Scaled SAR (W/kg)	Meas. No.
Head																
Ant.6	5.3G	Level1	802.11 a	Left Cheek	0	60	5300	0.11	0.784	18.57	19.00	1.104	96.00	1.042	0.902	/
	5.3G	Level1	802.11 a	Left Tilt	0	60	5300	-0.04	0.749	18.57	19.00	1.104	96.00	1.042	0.862	/
	5.3G	Level1	802.11 a	Right Cheek	0	60	5300	0.06	0.226	18.57	19.00	1.104	96.00	1.042	0.260	/
	5.3G	Level1	802.11 a	Right Tilt	0	60	5300	0.04	0.318	18.57	19.00	1.104	96.00	1.042	0.366	/
	5.3G	Level1	802.11 a	Left Cheek	0	52	5260	0.02	0.927	18.53	19.00	1.114	96.00	1.042	**1.076**	88#
	5.3G	Level1	802.11 a	Left Cheek	0	64	5320	-0.03	0.765	18.56	19.00	1.107	96.00	1.042	0.882	/
	5.3G	Level1	802.11 a	Left Tilt	0	52	5260	0.12	0.837	18.53	19.00	1.114	96.00	1.042	0.972	/
	5.3G	Level1	802.11 a	Left Tilt	0	64	5320	0.05	0.691	18.56	19.00	1.107	96.00	1.042	0.797	/
Ant.6	5.3G	Level3	802.11 a	Left Cheek	0	60	5300	-0.06	0.308	14.42	15.00	1.143	96.00	1.042	0.367	/
	5.3G	Level3	802.11 a	Left Tilt	0	60	5300	0.05	0.291	14.42	15.00	1.143	96.00	1.042	0.347	/
	5.3G	Level3	802.11 a	Right Cheek	0	60	5300	0.08	0.086	14.42	15.00	1.143	96.00	1.042	0.102	/
	5.3G	Level3	802.11 a	Right Tilt	0	60	5300	-0.07	0.119	14.42	15.00	1.143	96.00	1.042	0.142	/
Ant.6	5.6G	Level1	802.11 a	Left Cheek	0	140	5700	0.01	0.835	18.45	19.00	1.135	96.00	1.042	**0.988**	89#
	5.6G	Level1	802.11 a	Left Tilt	0	140	5700	-0.10	0.665	18.45	19.00	1.135	96.00	1.042	0.786	/
	5.6G	Level1	802.11 a	Right Cheek	0	140	5700	0.10	0.485	18.45	19.00	1.135	96.00	1.042	0.574	/
	5.6G	Level1	802.11 a	Right Tilt	0	140	5700	-0.08	0.577	18.45	19.00	1.135	96.00	1.042	0.682	/
	5.6G	Level1	802.11 a	Left Cheek	0	100	5500	-0.06	0.569	18.23	19.00	1.194	96.00	1.042	0.708	/
	5.6G	Level1	802.11 a	Left Cheek	0	116	5580	0.05	0.765	18.34	19.00	1.164	96.00	1.042	0.928	/
Ant.6	5.6G	Level3	802.11 a	Left Cheek	0	116	5580	-0.14	0.293	14.47	15.00	1.130	96.00	1.042	0.345	/
	5.6G	Level3	802.11 a	Left Tilt	0	116	5580	0.09	0.245	14.47	15.00	1.130	96.00	1.042	0.288	/
	5.6G	Level3	802.11 a	Right Cheek	0	116	5580	-0.06	0.171	14.47	15.00	1.130	96.00	1.042	0.201	/
	5.6G	Level3	802.11 a	Right Tilt	0	116	5580	-0.09	0.205	14.47	15.00	1.130	96.00	1.042	0.241	/
Ant.6	5.8G	Level1	802.11 a	Left Cheek	0	149	5745	-0.15	0.837	18.53	19.00	1.114	96.00	1.042	0.972	/
	5.8G	Level1	802.11 a	Left Tilt	0	149	5745	0.03	0.637	18.53	19.00	1.114	96.00	1.042	0.739	/
	5.8G	Level1	802.11 a	Right Cheek	0	149	5745	-0.08	0.479	18.53	19.00	1.114	96.00	1.042	0.556	/
	5.8G	Level1	802.11 a	Right Tilt	0	149	5745	0.06	0.598	18.53	19.00	1.114	96.00	1.042	0.694	/
	5.8G	Level1	802.11 a	Left Cheek	0	157	5785	0.04	0.901	18.37	19.00	1.156	96.00	1.042	**1.085**	90#
	5.8G	Level1	802.11 a	Left Cheek	0	165	5825	0.10	0.689	18.13	19.00	1.222	96.00	1.042	0.877	/
Ant.6	5.8G	Level3	802.11 a	Left Cheek	0	149	5745	0.03	0.331	14.48	15.00	1.127	96.00	1.042	0.389	/
	5.8G	Level3	802.11 a	Left Tilt	0	149	5745	-0.10	0.256	14.48	15.00	1.127	96.00	1.042	0.301	/
	5.8G	Level3	802.11 a	Right Cheek	0	149	5745	-0.02	0.191	14.48	15.00	1.127	96.00	1.042	0.224	/
	5.8G	Level3	802.11 a	Right Tilt	0	149	5745	0.09	0.235	14.48	15.00	1.127	96.00	1.042	0.276	/
Body-worn																
Ant.6	5.3G	Level2&4	802.11 a	Front Side	15	60	5300	0.13	0.153	18.57	19.00	1.104	96.00	1.042	0.176	/
	5.3G	Level2&4	802.11 a	Back Side	15	60	5300	0.04	0.339	18.57	19.00	1.104	96.00	1.042	**0.390**	91#
Ant.6	5.6G	Level2	802.11 a	Front Side	15	140	5700	0.12	0.192	18.45	19.00	1.135	96.00	1.042	0.227	/

	5.6G	Level2	802.11 a	Back Side	15	140	5700	-0.02	0.876	18.45	19.00	1.135	96.00	1.042	**1.036**	92#
	5.6G	Level2	802.11 a	Back Side	15	100	5500	-0.12	0.406	18.34	19.00	1.164	96.00	1.042	0.492	/
	5.6G	Level2	802.11 a	Back Side	15	116	5580	-0.02	0.805	18.23	19.00	1.194	96.00	1.042	1.002	/
Ant.6	5.6G	Level4	802.11 a	Front Side	15	140	5700	0.12	0.119	16.60	17.00	1.096	96.00	1.042	0.136	/
	5.6G	Level4	802.11 a	Back Side	15	140	5700	-0.03	0.593	16.60	17.00	1.096	96.00	1.042	0.677	/
Ant.6	5.8G	Level2	802.11 a	Front Side	15	149	5745	0.13	0.199	18.53	19.00	1.114	96.00	1.042	0.231	/
	5.8G	Level2	802.11 a	Back Side	15	149	5745	0.07	0.896	18.53	19.00	1.114	96.00	1.042	**1.040**	93#
	5.8G	Level2	802.11 a	Back Side	15	157	5785	-0.03	0.812	18.37	19.00	1.156	96.00	1.042	0.978	/
	5.8G	Level2	802.11 a	Back Side	15	165	5825	0.09	0.810	18.13	19.00	1.222	96.00	1.042	1.031	/
Ant.6	5.8G	Level4	802.11 a	Front Side	15	149	5745	-0.11	0.081	14.48	15.00	1.127	96.00	1.042	0.095	/
	5.8G	Level4	802.11 a	Back Side	15	149	5745	-0.09	0.359	14.48	15.00	1.127	96.00	1.042	0.422	/
Hotspot																
Ant.6	5.2G	Level4	802.11 a	Front Side	10	36	5180	-0.14	0.107	16.44	17.00	1.138	96.00	1.042	0.127	/
	5.2G	Level4	802.11 a	Back Side	10	36	5180	-0.14	0.259	16.44	17.00	1.138	96.00	1.042	0.307	/
	5.2G	Level4	802.11 a	Left Edge	10	36	5180	0.02	0.221	16.44	17.00	1.138	96.00	1.042	0.262	/
	5.2G	Level4	802.11 a	Top Edge	10	36	5180	-0.04	0.287	16.44	17.00	1.138	96.00	1.042	**0.340**	94#
Ant.6	5.8G	Level4	802.11 a	Front Side	10	149	5745	-0.15	0.085	14.48	15.00	1.127	96.00	1.042	0.100	/
	5.8G	Level4	802.11 a	Back Side	10	149	5745	0.14	0.348	14.48	15.00	1.127	96.00	1.042	0.409	/
	5.8G	Level4	802.11 a	Left Edge	10	149	5745	-0.09	0.151	14.48	15.00	1.127	96.00	1.042	0.177	/
	5.8G	Level4	802.11 a	Top Edge	10	149	5745	-0.14	0.350	14.48	15.00	1.127	96.00	1.042	**0.411**	95#
Note: Refer to ANNEX C for the detailed test data for each test configuration.																

Antenna	Band	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	10 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	Duty Cycle (%)	Scaling Factor	10 g Scaled SAR (W/kg)	Meas. No.
Specific																
Ant.6	5.3G	Level2&4	802.11 a	Front Side	0	60	5300	-0.04	0.277	18.57	19.00	1.104	96.00	1.042	0.319	/
	5.3G	Level2&4	802.11 a	Back Side	0	60	5300	0.04	0.205	18.57	19.00	1.104	96.00	1.042	0.236	/
	5.3G	Level2&4	802.11 a	Left Edge	0	60	5300	-0.12	0.481	18.57	19.00	1.104	96.00	1.042	0.553	/
	5.3G	Level2&4	802.11 a	Top Edge	0	60	5300	-0.13	0.773	18.57	19.00	1.104	96.00	1.042	**0.889**	96#
Ant.6	5.6G	Level2	802.11 a	Front Side	0	140	5700	0.11	0.325	18.45	19.00	1.135	96.00	1.042	0.384	/
	5.6G	Level2	802.11 a	Back Side	0	140	5700	-0.10	1.020	18.45	19.00	1.135	96.00	1.042	1.206	/
	5.6G	Level2	802.11 a	Left Edge	0	140	5700	0.14	0.503	18.45	19.00	1.135	96.00	1.042	0.595	/
	5.6G	Level2	802.11 a	Top Edge	0	140	5700	-0.03	1.590	18.45	19.00	1.135	96.00	1.042	**1.880**	97#
Ant.6	5.6G	Level4	802.11 a	Front Side	0	140	5700	-0.03	0.201	16.60	17.00	1.096	96.00	1.042	0.230	/
	5.6G	Level4	802.11 a	Back Side	0	140	5700	-0.13	0.634	16.60	17.00	1.096	96.00	1.042	0.724	/
	5.6G	Level4	802.11 a	Left Edge	0	140	5700	0.10	0.312	16.60	17.00	1.096	96.00	1.042	0.356	/
	5.6G	Level4	802.11 a	Top Edge	0	140	5700	0.04	0.987	16.60	17.00	1.096	96.00	1.042	1.127	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.																

10.28 Bluetooth

Antenna	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	Duty Cycle (%)	Scaling Factor	1 g Scaled SAR (W/kg)	Meas. No.
Head														
Ant.6	DH5	Left Cheek	0	39	2441	-0.06	0.170	13.22	13.50	1.067	76.88	1.301	**0.236**	98#
Ant.6	DH5	Left Tilt	0	39	2441	-0.07	0.152	13.22	13.50	1.067	76.88	1.301	0.211	/
Ant.6	DH5	Right Cheek	0	39	2441	0.07	0.075	13.22	13.50	1.067	76.88	1.301	0.104	/
Ant.6	DH5	Right Tilt	0	39	2441	0.09	0.070	13.22	13.50	1.067	76.88	1.301	0.097	/
Body-worn														
Ant.6	DH5	Front Side	15	39	2441	0.01	0.029	13.22	13.50	1.067	76.88	1.301	0.031	/
Ant.6	DH5	Back Side	15	39	2441	0.14	0.048	13.22	13.50	1.067	76.88	1.301	**0.051**	99#
Hotspot														
Ant.6	DH5	Front Side	10	39	2441	-0.15	0.051	13.22	13.50	1.067	76.88	1.301	0.054	/
Ant.6	DH5	Back Side	10	39	2441	0.12	0.075	13.22	13.50	1.067	76.88	1.301	**0.080**	100#
Ant.6	DH5	Left Edge	10	39	2441	0.02	0.064	13.22	13.50	1.067	76.88	1.301	0.068	/
Ant.6	DH5	Top Edge	10	39	2441	-0.13	0.044	13.22	13.50	1.067	76.88	1.301	0.047	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.														

10.29 NFC SAR

1. According to the 2022.04 TCBC Workshop meeting, the power threshold is ≤ 100MHz, refer to P6s.

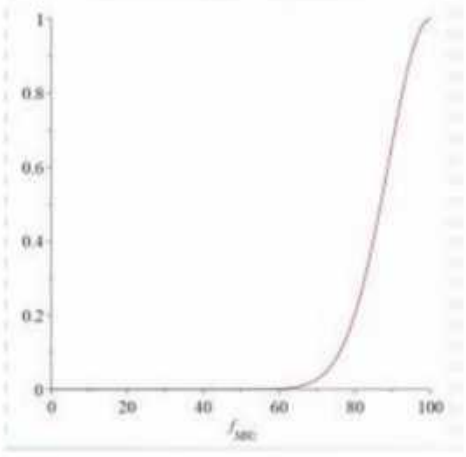
$$P_{7X}(d_{mm}, f_{MHz}) := \begin{cases} P_{6S}(d_{mm}, f_{MHz}) & f_{MHz} \le 100 \\ P_{6to7}(d_{mm}, f_{MHz}) & 100 < f_{MHz} \le 300 \\ P_{7}(d_{mm}, f_{MHz}) & 300 < f_{MHz} \end{cases}$$

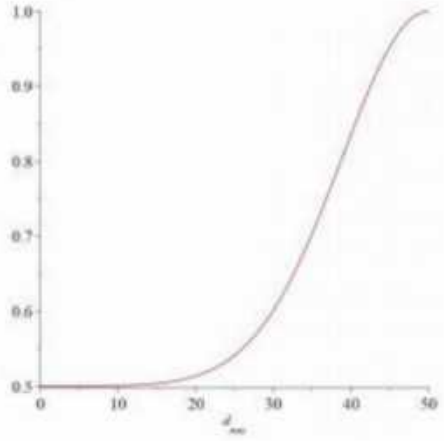
2. For portable products, when using a distance of ≤ 50mm, such as mobile phone NFC, P6s is calculated with the following formula calculate.

$$S_f(f_{MHz}) \cdot P_{431a}(d_{mm}, f_{MHz}) + (1 - S_f(f_{MHz})) \cdot S_d(d_{mm}) \cdot P_{431b}(50., 100.) \cdot \left(1. + \log10\left(\frac{100.}{f_{MHz}}\right)\right) \quad d_{mm} \le 50 \text{ and } f_{MHz} \le 100$$

3. The smoothing functions Sf and Sd in P6s calculate the limits based on KDB 447498 V06 and are calculated as follows.

$$S_f(f_{MHz}) := exp\left(-10\frac{(f_{MHz} - f_{max})^2}{\Delta f^2}\right) \qquad S_d(d_{mm}) := 0.5 + 0.5 \cdot exp\left(-10\frac{(d_{mm} - d_{max})^2}{\Delta d^2}\right)$$





d≤50mm				
f Max(MHz)	100		d Max(mm)	50
f MHz	13.56		d(mm)	5
△f(MHz)	100		△d	50
$S_f(f_{MHz})$	0.000568861		S_d（dmm）	0.50015177
P6s(mW)	443.1257378			
Note: SAR testing is required when the distance is 5mm and the power is greater than 443.13mW.				

4. According to the ANSI C63.10 clause 11.12.2.2：

The value of maximum peak output power is according to the method described in ANSI C63.10 clause 11.12.2.2 General procedure for conducted measurements in restricted bands:

a) Measure the conducted output power (in dBm) using the detector specified (see guidance regarding measurement procedures for determining quasi-peak, peak, and average conducted output power, respectively).

b) Add the maximum transmit antenna gain (in dBi) to the measured output power level to determine the ERP level (see guidance on determining the applicable antenna gain)

c) Add the appropriate maximum ground reflection factor to the EIRP level (6 dB for frequencies ≤ 30 MHz, 4.7 dB for frequencies between 30 MHz and 1000 MHz, inclusive and 0 dB for frequencies > 1000 MHz).

d) For devices with multiple antenna-ports, measure the power of each individual chain and sum the ERP of all chains in linear terms (e.g., Watts, mW).

e) Convert the resultant ERP level to an equivalent electric field strength using the following relationship: E = EIRP - 20log D + 104.8

where:

E = electric field strength in dBμV/m,

ERP = equivalent isotropic radiated power in dBm

D = specified measurement distance in meters.

Mode	f (MHz)	Max. E-Field strength (dBuV/m)	D (m)	Ground reflection factor (dB)	EIRP (dBm)
NFC (13.56MHz)	13.56	48.01	10	6	-30.79
Note: 1. Add the appropriate maximum ground reflection factor to the EIRP level (6 dB for frequencies ≤ 30 MHz). 2.EIRP= 48.01+20*Log(10) - 104.8 + 6 =-30.79 (dBm)					

According to the FCC KDB 447498 D04

Estimated SAR: SAR test =1.6 · Pant / Pth [W/kg]

Estimated SAR	1.6 ·Pant / Pth [W/kg]		
Pmeas.(dBm)	-30.79	Pmeas.(mW)	0.00083
Pth.(mW)	443.13		
NFC Estimated 1g SAR [W/kg]	＜0.001		

10.29.1 Highest Total Exposure Ratio of Simultaneous Transmission

NFC multi-transmit requires the use of the TER formula:

$$TER = \sum_{k=1}^{N_s}\left(\frac{SAR_k}{SAR_{\lim}}\right) + \sum_{k=1}^{N_f}\left(\frac{MPE_{field,\,k}}{MPE_{field,\,\lim}}\right)^2 + \sum_{k=1}^{N_{PD}}\left(\frac{MPE_{PD,\,k}}{MPE_{PD,\,\lim}}\right)$$

The maximum SAR value for Simultaneous Transmission is 1.450 [W/kg]. Therefore, the worst TER =(1.450+0.001)/1.6 = 0.906＜1,the NFC SAR transmit simultaneously Pass.

11 SAR Measurement Variability

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

SAR repeated measurement procedure:

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

Frequency Band (MHz)	Wireless Band	RF Exposure Conditions	Test Position	Highest Measured SAR (W/kg)	Repeated SAR (Yes/No)	Repeated[1th] Measured SAR (W/kg)	Largest to Smallest SAR Radio
1880	GSM1900	Head	Right Tilt	0.837	Yes	0.805	1.04
1909.8	GSM1900	Hotspot	Bottom Edge	1.060	Yes	1.010	1.05
1852.4	WCDMA Band2	Hotspot	Bottom Edge	0.890	Yes	0.882	1.01
1752.6	WCDMA Band4	Hotspot	Bottom Edge	0.949	Yes	0.930	1.02
1732.5	LTE Band4	Hotspot	Bottom Edge	0.903	Yes	0.886	1.02
1745	LTE Band66	Hotspot	Bottom Edge	0.965	Yes	0.904	1.07
2535	NR n7	Hotspot	Back Side	0.829	Yes	0.800	1.04
1745	NR n66	Hotspot	Bottom Edge	0.961	Yes	0.950	1.01
2595	NR n38	Head	Right Tilt	0.932	Yes	0.930	1.00
2595	NR n38	Specific	Top Edge	2.800	Yes	2.760	1.01
2569.5	NR n41	Head	Right Tilt	0.921	Yes	0.893	1.03
2616.51	NR n41	Specific	Top Edge	2.800	Yes	2.740	1.02
3840	NR n77 （3700-3980MHz)	Head	Right Cheek	0.894	Yes	0.880	1.02
3750	NR n78 （3700-3800MHz)	Head	Right Cheek	0.949	Yes	0.915	1.04
2437	WIFI 2.4GHz	Head	Left Cheek	0.862	Yes	0.854	1.01
5260	WIFI 5.3GHz	Head	Left Cheek	0.927	Yes	0.915	1.01
5700	WIFI 5.6GHz	Head	Left Cheek	0.835	Yes	0.801	1.04
5700	WIFI 5.6GHz	Body-Worn	Back Side	0.876	Yes	0.858	1.02
5785	WIFI 5.8GHz	Head	Left Cheek	0.901	Yes	0.858	1.05
5745	WIFI 5.8GHz	Body-Worn	Back Side	0.896	Yes	0.885	1.01
Note: The ratio of largest to smallest SAR for the original and first repeated measurements is < 1.20, the second repeated measurement. is not required.							

12 SIMULTANEOUS TRANSMISSION

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

12.1 Simultaneous Transmission Mode Consider

No.	Simultaneous Tx Combination	Head	Body-worn	Hotspot	Specific
1	WLAN 5G+BT	Yes	Yes	Yes	Yes
2	WWAN+BT	Yes	Yes	Yes	Yes
3	WWAN+WLAN 2.4G	Yes	Yes	Yes	Yes
4	WWAN+WLAN5G	Yes	Yes	Yes	Yes
5	WWAN+WLAN5G+BT	Yes	Yes	Yes	Yes

Note:

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

12.2 Sum SAR of Simultaneous Transmission

12.2.1 Head Simultaneous Transmission SAR Evaluation for WLAN

Position	Stand alone SAR		SUM SAR
	1	2	
	Max.5GWIFI	Bluetooth	1+2
Left Cheek	1.085	0.236	**1.321**
Left Tilt	0.972	0.211	1.183
Right Cheek	0.574	0.104	0.678
Right Tilt	0.694	0.097	0.791
Note: 1: The highest Summed 1g SAR is 1.321 W/Kg < 1.6 W/kg, so Simultaneous Transmission SAR test is not required.			

12.2.2 Body-Worn Simultaneous Transmission SAR Evaluation for WLAN

Position	Stand alone SAR		SUM SAR
	1	2	
	Max.5GWIFI	Bluetooth	1+2
Front Side 15mm	0.231	0.031	0.262
Back Side 15mm	1.040	0.051	**1.091**
Note: 1: The highest Summed 1g SAR is 1.091 W/Kg < 1.6 W/kg, so Simultaneous Transmission SAR test is not required.			

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

Band	Antenna	Position	Stand alone SAR				SUM SAR	
			1	2	3	4		
			WWAN	2.4GWIFI	Max.5GWIFI	Bluetooth	Sum SAR (1+2)	Sum SAR (1+3+4)
GSM850	ANT4	Left Cheek	0.371	0.634	0.389	0.236	1.005	0.996
		Left Tilt	0.362	0.469	0.347	0.211	0.831	0.920
		Right Cheek	0.543	0.222	0.224	0.104	0.765	0.871
		Right Tilt	0.515	0.200	0.276	0.097	0.715	0.888
GSM850	ANT0	Left Cheek	0.030	0.634	0.389	0.236	0.664	0.655
		Left Tilt	0.011	0.469	0.347	0.211	0.480	0.569
		Right Cheek	0.076	0.222	0.224	0.104	0.298	0.404
		Right Tilt	0.022	0.200	0.276	0.097	0.222	0.395
GSM1900	ANT4	Left Cheek	0.267	0.634	0.389	0.236	0.901	0.892
		Left Tilt	0.355	0.469	0.347	0.211	0.824	0.913
		Right Cheek	0.588	0.222	0.224	0.104	0.810	0.916
		Right Tilt	0.640	0.200	0.276	0.097	0.840	1.013
GSM1900	ANT0	Left Cheek	0.089	0.634	0.389	0.236	0.723	0.714
		Left Tilt	0.081	0.469	0.347	0.211	0.550	0.639
		Right Cheek	0.095	0.222	0.224	0.104	0.317	0.423
		Right Tilt	0.056	0.200	0.276	0.097	0.256	0.429
WCDMA B2	ANT4	Left Cheek	0.297	0.634	0.389	0.236	0.931	0.922
		Left Tilt	0.358	0.469	0.347	0.211	0.827	0.916
		Right Cheek	0.583	0.222	0.224	0.104	0.805	0.911
		Right Tilt	0.652	0.200	0.276	0.097	0.852	1.025
WCDMA B2	ANT0	Left Cheek	0.105	0.634	0.389	0.236	0.739	0.730
		Left Tilt	0.101	0.469	0.347	0.211	0.570	0.659
		Right Cheek	0.124	0.222	0.224	0.104	0.346	0.452
		Right Tilt	0.066	0.200	0.276	0.097	0.266	0.439
WCDMA B4	ANT4	Left Cheek	0.258	0.634	0.389	0.236	0.892	0.883
		Left Tilt	0.297	0.469	0.347	0.211	0.766	0.855
		Right Cheek	0.522	0.222	0.224	0.104	0.744	0.850
		Right Tilt	0.441	0.200	0.276	0.097	0.641	0.814
WCDMA B4	ANT0	Left Cheek	0.063	0.634	0.389	0.236	0.697	0.688
		Left Tilt	0.056	0.469	0.347	0.211	0.525	0.614
		Right Cheek	0.093	0.222	0.224	0.104	0.315	0.421
		Right Tilt	0.059	0.200	0.276	0.097	0.259	0.432
WCDMA B5	ANT4	Left Cheek	0.376	0.634	0.389	0.236	1.010	1.001
		Left Tilt	0.355	0.469	0.347	0.211	0.824	0.913
		Right Cheek	0.631	0.222	0.224	0.104	0.853	0.959
		Right Tilt	0.520	0.200	0.276	0.097	0.720	0.893

WCDMA B5	ANT0	Left Cheek	0.185	0.634	0.389	0.236	0.819	0.810
		Left Tilt	0.055	0.469	0.347	0.211	0.524	0.613
		Right Cheek	0.165	0.222	0.224	0.104	0.387	0.493
		Right Tilt	0.083	0.200	0.276	0.097	0.283	0.456
LTE B2	ANT4	Left Cheek	0.312	0.634	0.389	0.236	0.946	0.937
		Left Tilt	0.384	0.469	0.347	0.211	0.853	0.942
		Right Cheek	0.618	0.222	0.224	0.104	0.840	0.946
		Right Tilt	0.652	0.200	0.276	0.097	0.852	1.025
LTE B2	ANT0	Left Cheek	0.082	0.634	0.389	0.236	0.716	0.707
		Left Tilt	0.086	0.469	0.347	0.211	0.555	0.644
		Right Cheek	0.095	0.222	0.224	0.104	0.317	0.423
		Right Tilt	0.057	0.200	0.276	0.097	0.257	0.430
LTE B4	ANT4	Left Cheek	0.313	0.634	0.389	0.236	0.947	0.938
		Left Tilt	0.353	0.469	0.347	0.211	0.822	0.911
		Right Cheek	0.542	0.222	0.224	0.104	0.764	0.870
		Right Tilt	0.553	0.200	0.276	0.097	0.753	0.926
LTE B4	ANT0	Left Cheek	0.104	0.634	0.389	0.236	0.738	0.729
		Left Tilt	0.087	0.469	0.347	0.211	0.556	0.645
		Right Cheek	0.142	0.222	0.224	0.104	0.364	0.470
		Right Tilt	0.072	0.200	0.276	0.097	0.272	0.445
LTE B5	ANT4	Left Cheek	0.414	0.634	0.389	0.236	1.048	1.039
		Left Tilt	0.390	0.469	0.347	0.211	0.859	0.948
		Right Cheek	0.503	0.222	0.224	0.104	0.725	0.831
		Right Tilt	0.636	0.200	0.276	0.097	0.836	1.009
LTE B5	ANT0	Left Cheek	0.121	0.634	0.389	0.236	0.755	0.746
		Left Tilt	0.069	0.469	0.347	0.211	0.538	0.627
		Right Cheek	0.151	0.222	0.224	0.104	0.373	0.479
		Right Tilt	0.094	0.200	0.276	0.097	0.294	0.467
LTE B7	ANT1	Left Cheek	0.243	0.634	0.389	0.236	0.877	0.868
		Left Tilt	0.077	0.469	0.347	0.211	0.546	0.635
		Right Cheek	0.141	0.222	0.224	0.104	0.363	0.469
		Right Tilt	0.117	0.200	0.276	0.097	0.317	0.490
LTE B12	ANT4	Left Cheek	0.203	0.634	0.389	0.236	0.837	0.828
		Left Tilt	0.209	0.469	0.347	0.211	0.678	0.767
		Right Cheek	0.305	0.222	0.224	0.104	0.527	0.633
		Right Tilt	0.346	0.200	0.276	0.097	0.546	0.719
LTE B12	ANT0	Left Cheek	0.061	0.634	0.389	0.236	0.695	0.686
		Left Tilt	0.014	0.469	0.347	0.211	0.483	0.572
		Right Cheek	0.066	0.222	0.224	0.104	0.288	0.394
		Right Tilt	0.010	0.200	0.276	0.097	0.210	0.383
LTE B17	ANT4	Left Cheek	0.207	0.634	0.389	0.236	0.841	0.832
		Left Tilt	0.216	0.469	0.347	0.211	0.685	0.774
		Right Cheek	0.342	0.222	0.224	0.104	0.564	0.670

		Right Tilt	0.306	0.200	0.276	0.097	0.506	0.679
LTE B17	ANT0	Left Cheek	0.071	0.634	0.389	0.236	0.705	0.696
		Left Tilt	0.015	0.469	0.347	0.211	0.484	0.573
		Right Cheek	0.077	0.222	0.224	0.104	0.299	0.405
		Right Tilt	0.019	0.200	0.276	0.097	0.219	0.392
LTE B66	ANT4	Left Cheek	0.355	0.634	0.389	0.236	0.989	0.980
		Left Tilt	0.418	0.469	0.347	0.211	0.887	0.976
		Right Cheek	0.617	0.222	0.224	0.104	0.839	0.945
		Right Tilt	0.637	0.200	0.276	0.097	0.837	1.010
LTE B66	ANT0	Left Cheek	0.101	0.634	0.389	0.236	0.735	0.726
		Left Tilt	0.088	0.469	0.347	0.211	0.557	0.646
		Right Cheek	0.157	0.222	0.224	0.104	0.379	0.485
		Right Tilt	0.067	0.200	0.276	0.097	0.267	0.440
LTE B38	ANT1	Left Cheek	0.205	0.634	0.389	0.236	0.839	0.830
		Left Tilt	0.065	0.469	0.347	0.211	0.534	0.623
		Right Cheek	0.120	0.222	0.224	0.104	0.342	0.448
		Right Tilt	0.109	0.200	0.276	0.097	0.309	0.482
LTE B41	ANT4	Left Cheek	0.205	0.634	0.389	0.236	0.839	0.830
		Left Tilt	0.269	0.469	0.347	0.211	0.738	0.827
		Right Cheek	0.503	0.222	0.224	0.104	0.725	0.831
		Right Tilt	0.535	0.200	0.276	0.097	0.735	0.908
LTE B42	ANT5	Left Cheek	0.511	0.634	0.389	0.236	1.145	1.136
		Left Tilt	0.491	0.469	0.347	0.211	0.960	1.049
		Right Cheek	0.327	0.222	0.224	0.104	0.549	0.655
		Right Tilt	0.344	0.200	0.276	0.097	0.544	0.717
N5	ANT4	Left Cheek	0.362	0.634	0.389	0.236	0.996	0.987
		Left Tilt	0.367	0.469	0.347	0.211	0.836	0.925
		Right Cheek	0.605	0.222	0.224	0.104	0.827	0.933
		Right Tilt	0.593	0.200	0.276	0.097	0.793	0.966
N5	ANT0	Left Cheek	0.106	0.634	0.389	0.236	0.740	0.731
		Left Tilt	0.063	0.469	0.347	0.211	0.532	0.621
		Right Cheek	0.132	0.222	0.224	0.104	0.354	0.460
		Right Tilt	0.086	0.200	0.276	0.097	0.286	0.459
N7	ANT1	Left Cheek	0.286	0.634	0.389	0.236	0.920	0.911
		Left Tilt	0.093	0.469	0.347	0.211	0.562	0.651
		Right Cheek	0.169	0.222	0.224	0.104	0.391	0.497
		Right Tilt	0.146	0.200	0.276	0.097	0.346	0.519
N12	ANT4	Left Cheek	0.180	0.634	0.389	0.236	0.814	0.805
		Left Tilt	0.198	0.469	0.347	0.211	0.667	0.756
		Right Cheek	0.292	0.222	0.224	0.104	0.514	0.620
		Right Tilt	0.336	0.200	0.276	0.097	0.536	0.709
N12	ANT0	Left Cheek	0.046	0.634	0.389	0.236	0.680	0.671
		Left Tilt	0.020	0.469	0.347	0.211	0.489	0.578

		Right Cheek	0.054	0.222	0.224	0.104	0.276	0.382
		Right Tilt	0.023	0.200	0.276	0.097	0.223	0.396
N66	ANT4	Left Cheek	0.365	0.634	0.389	0.236	0.999	0.990
		Left Tilt	0.420	0.469	0.347	0.211	0.889	0.978
		Right Cheek	0.665	0.222	0.224	0.104	0.887	0.993
		Right Tilt	0.646	0.200	0.276	0.097	0.846	1.019
N66	ANT0	Left Cheek	0.070	0.634	0.389	0.236	0.704	0.695
		Left Tilt	0.051	0.469	0.347	0.211	0.520	0.609
		Right Cheek	0.053	0.222	0.224	0.104	0.275	0.381
		Right Tilt	0.024	0.200	0.276	0.097	0.224	0.397
N38	ANT4	Left Cheek	0.284	0.634	0.389	0.236	0.918	0.909
		Left Tilt	0.363	0.469	0.347	0.211	0.832	0.921
		Right Cheek	0.693	0.222	0.224	0.104	0.915	1.021
		Right Tilt	0.793	0.200	0.276	0.097	0.993	1.166
N38	ANT1	Left Cheek	0.169	0.634	0.389	0.236	0.803	0.794
		Left Tilt	0.060	0.469	0.347	0.211	0.529	0.618
		Right Cheek	0.098	0.222	0.224	0.104	0.320	0.426
		Right Tilt	0.098	0.200	0.276	0.097	0.298	0.471
N41	ANT4	Left Cheek	0.272	0.634	0.389	0.236	0.906	0.897
		Left Tilt	0.356	0.469	0.347	0.211	0.825	0.914
		Right Cheek	0.679	0.222	0.224	0.104	0.901	1.007
		Right Tilt	0.782	0.200	0.276	0.097	0.982	1.155
N41	ANT1	Left Cheek	0.450	0.634	0.389	0.236	1.084	1.075
		Left Tilt	0.153	0.469	0.347	0.211	0.622	0.711
		Right Cheek	0.264	0.222	0.224	0.104	0.486	0.592
		Right Tilt	0.248	0.200	0.276	0.097	0.448	0.621
N77	ANT2	Left Cheek	0.236	0.634	0.389	0.236	0.870	0.861
		Left Tilt	0.073	0.469	0.347	0.211	0.542	0.631
		Right Cheek	0.445	0.222	0.224	0.104	0.667	0.773
		Right Tilt	0.114	0.200	0.276	0.097	0.314	0.487
N77	ANT3	Left Cheek	0.166	0.634	0.389	0.236	0.800	0.791
		Left Tilt	0.139	0.469	0.347	0.211	0.608	0.697
		Right Cheek	0.752	0.222	0.224	0.104	0.974	1.080
		Right Tilt	0.321	0.200	0.276	0.097	0.521	0.694
N77	ANT5	Left Cheek	0.555	0.634	0.389	0.236	**1.189**	1.180
		Left Tilt	0.547	0.469	0.347	0.211	1.016	1.105
		Right Cheek	0.368	0.222	0.224	0.104	0.590	0.696
		Right Tilt	0.380	0.200	0.276	0.097	0.580	0.753
N77	ANT8	Left Cheek	0.496	0.634	0.389	0.236	1.130	1.121
		Left Tilt	0.153	0.469	0.347	0.211	0.622	0.711
		Right Cheek	0.263	0.222	0.224	0.104	0.485	0.591
		Right Tilt	0.078	0.200	0.276	0.097	0.278	0.451
N78	ANT2	Left Cheek	0.275	0.634	0.389	0.236	0.909	0.900

		Left Tilt	0.087	0.469	0.347	0.211	0.556	0.645
		Right Cheek	0.510	0.222	0.224	0.104	0.732	0.838
		Right Tilt	0.275	0.200	0.276	0.097	0.475	0.648
N78	ANT3	Left Cheek	0.355	0.634	0.389	0.236	0.989	0.980
		Left Tilt	0.184	0.469	0.347	0.211	0.653	0.742
		Right Cheek	0.800	0.222	0.224	0.104	1.022	1.128
		Right Tilt	0.468	0.200	0.276	0.097	0.668	0.841
N78	ANT5	Left Cheek	0.437	0.634	0.389	0.236	1.071	1.062
		Left Tilt	0.240	0.469	0.347	0.211	0.709	0.798
		Right Cheek	0.185	0.222	0.224	0.104	0.407	0.513
		Right Tilt	0.212	0.200	0.276	0.097	0.412	0.585
N78	ANT8	Left Cheek	0.505	0.634	0.389	0.236	1.139	1.130
		Left Tilt	0.194	0.469	0.347	0.211	0.663	0.752
		Right Cheek	0.198	0.222	0.224	0.104	0.420	0.526
		Right Tilt	0.101	0.200	0.276	0.097	0.301	0.474

Note:

1: The highest Summed 1g SAR is 1.189 W/Kg < 1.6 W/kg, so Simultaneous Transmission SAR test is not required.

12.2.4 Body-Worn Simultaneous Transmission SAR Evaluation for WWAN Antenna with WLAN and Bluetooth

Band	Antenna	Position	Stand alone SAR				SUM SAR	
			1	2	3	4		
			WWAN	2.4GWIFI	Max.5GWIFI	Bluetooth	Sum SAR (1+2)	Sum SAR (1+3+4)
GSM850	ANT4	Front Side 15mm	0.105	0.078	0.176	0.031	0.183	0.312
		Back Side 15mm	0.118	0.110	0.677	0.051	0.228	0.846
GSM850	ANT0	Front Side 15mm	0.311	0.078	0.176	0.031	0.389	0.518
		Back Side 15mm	0.369	0.110	0.677	0.051	0.479	1.097
GSM1900	ANT4	Front Side 15mm	0.188	0.078	0.176	0.031	0.266	0.395
		Back Side 15mm	0.246	0.110	0.677	0.051	0.356	0.974
GSM1900	ANT0	Front Side 15mm	0.264	0.078	0.176	0.031	0.342	0.471
		Back Side 15mm	0.365	0.110	0.677	0.051	0.475	1.093
WCDMA B2	ANT4	Front Side 15mm	0.189	0.078	0.176	0.031	0.267	0.396
		Back Side 15mm	0.306	0.110	0.677	0.051	0.416	1.034
WCDMA B2	ANT0	Front Side 15mm	0.193	0.078	0.176	0.031	0.271	0.400
		Back Side 15mm	0.268	0.110	0.677	0.051	0.378	0.996
WCDMA B4	ANT4	Front Side 15mm	0.128	0.078	0.176	0.031	0.206	0.335
		Back Side 15mm	0.172	0.110	0.677	0.051	0.282	0.900
WCDMA B4	ANT0	Front Side 15mm	0.231	0.078	0.176	0.031	0.309	0.438
		Back Side 15mm	0.238	0.110	0.677	0.051	0.348	0.966
WCDMA B5	ANT4	Front Side 15mm	0.045	0.078	0.176	0.031	0.123	0.252
		Back Side 15mm	0.051	0.110	0.677	0.051	0.161	0.779
WCDMA B5	ANT0	Front Side 15mm	0.107	0.078	0.176	0.031	0.185	0.314
		Back Side 15mm	0.158	0.110	0.677	0.051	0.268	0.886
LTE B2	ANT4	Front Side 15mm	0.146	0.078	0.176	0.031	0.224	0.353
		Back Side 15mm	0.209	0.110	0.677	0.051	0.319	0.937
LTE B2	ANT0	Front Side 15mm	0.113	0.078	0.176	0.031	0.191	0.320
		Back Side 15mm	0.156	0.110	0.677	0.051	0.266	0.884
LTE B4	ANT4	Front Side 15mm	0.115	0.078	0.176	0.031	0.193	0.322
		Back Side 15mm	0.129	0.110	0.677	0.051	0.239	0.857
LTE B4	ANT0	Front Side 15mm	0.265	0.078	0.176	0.031	0.343	0.472
		Back Side 15mm	0.360	0.110	0.677	0.051	0.470	1.088
LTE B5	ANT4	Front Side 15mm	0.009	0.078	0.176	0.031	0.087	0.216
		Back Side 15mm	0.053	0.110	0.677	0.051	0.163	0.781
LTE B5	ANT0	Front Side 15mm	0.108	0.078	0.176	0.031	0.186	0.315
		Back Side 15mm	0.147	0.110	0.677	0.051	0.257	0.875
LTE B7	ANT1	Front Side 15mm	0.210	0.078	0.176	0.031	0.288	0.417
		Back Side 15mm	0.272	0.110	0.677	0.051	0.382	1.000
LTE B12	ANT4	Front Side 15mm	0.062	0.078	0.176	0.031	0.140	0.269
		Back Side 15mm	0.067	0.110	0.677	0.051	0.177	0.795

LTE B12	ANT0	Front Side 15mm	0.095	0.078	0.176	0.031	0.173	0.302
		Back Side 15mm	0.135	0.110	0.677	0.051	0.245	0.863
LTE B17	ANT4	Front Side 15mm	0.063	0.078	0.176	0.031	0.141	0.270
		Back Side 15mm	0.068	0.110	0.677	0.051	0.178	0.796
LTE B17	ANT0	Front Side 15mm	0.109	0.078	0.176	0.031	0.187	0.316
		Back Side 15mm	0.154	0.110	0.677	0.051	0.264	0.882
LTE B66	ANT4	Front Side 15mm	0.125	0.078	0.176	0.031	0.203	0.332
		Back Side 15mm	0.153	0.110	0.677	0.051	0.263	0.881
LTE B66	ANT0	Front Side 15mm	0.266	0.078	0.176	0.031	0.344	0.473
		Back Side 15mm	0.372	0.110	0.677	0.051	0.482	**1.100**
LTE B38	ANT1	Front Side 15mm	0.152	0.078	0.176	0.031	0.230	0.359
		Back Side 15mm	0.188	0.110	0.677	0.051	0.298	0.916
LTE B41	ANT4	Front Side 15mm	0.116	0.078	0.176	0.031	0.194	0.323
		Back Side 15mm	0.311	0.110	0.677	0.051	0.421	1.039
LTE B42	ANT5	Front Side 15mm	0.165	0.078	0.176	0.031	0.243	0.372
		Back Side 15mm	0.228	0.110	0.677	0.051	0.338	0.956
N5	ANT4	Front Side 15mm	0.030	0.078	0.176	0.031	0.108	0.237
		Back Side 15mm	0.051	0.110	0.677	0.051	0.161	0.779
N5	ANT0	Front Side 15mm	0.036	0.078	0.176	0.031	0.114	0.243
		Back Side 15mm	0.084	0.110	0.677	0.051	0.194	0.812
N7	ANT1	Front Side 15mm	0.168	0.078	0.176	0.031	0.246	0.375
		Back Side 15mm	0.211	0.110	0.677	0.051	0.321	0.939
N12	ANT4	Front Side 15mm	0.027	0.078	0.176	0.031	0.105	0.234
		Back Side 15mm	0.067	0.110	0.677	0.051	0.177	0.795
N12	ANT0	Front Side 15mm	0.041	0.078	0.176	0.031	0.119	0.248
		Back Side 15mm	0.107	0.110	0.677	0.051	0.217	0.835
N66	ANT4	Front Side 15mm	0.124	0.078	0.176	0.031	0.202	0.331
		Back Side 15mm	0.156	0.110	0.677	0.051	0.266	0.884
N66	ANT0	Front Side 15mm	0.195	0.078	0.176	0.031	0.273	0.402
		Back Side 15mm	0.312	0.110	0.677	0.051	0.422	1.040
N38	ANT4	Front Side 15mm	0.075	0.078	0.176	0.031	0.153	0.282
		Back Side 15mm	0.174	0.110	0.677	0.051	0.284	0.902
N38	ANT1	Front Side 15mm	0.129	0.078	0.176	0.031	0.207	0.336
		Back Side 15mm	0.180	0.110	0.677	0.051	0.290	0.908
N41	ANT4	Front Side 15mm	0.099	0.078	0.176	0.031	0.177	0.306
		Back Side 15mm	0.219	0.110	0.677	0.051	0.329	0.947
N41	ANT1	Front Side 15mm	0.173	0.078	0.176	0.031	0.251	0.380
		Back Side 15mm	0.225	0.110	0.677	0.051	0.335	0.953
N77	ANT2	Front Side 15mm	0.115	0.078	0.176	0.031	0.193	0.322
		Back Side 15mm	0.188	0.110	0.677	0.051	0.298	0.916
N77	ANT3	Front Side 15mm	0.240	0.078	0.176	0.031	0.318	0.447
		Back Side 15mm	0.243	0.110	0.677	0.051	0.353	0.971
N77	ANT5	Front Side 15mm	0.177	0.078	0.176	0.031	0.255	0.384

		Back Side 15mm	0.317	0.110	0.677	0.051	0.427	1.045
N77	ANT8	Front Side 15mm	0.090	0.078	0.176	0.031	0.168	0.297
		Back Side 15mm	0.254	0.110	0.677	0.051	0.364	0.982
N78	ANT2	Front Side 15mm	0.092	0.078	0.176	0.031	0.170	0.299
		Back Side 15mm	0.155	0.110	0.677	0.051	0.265	0.883
N78	ANT3	Front Side 15mm	0.062	0.078	0.176	0.031	0.140	0.269
		Back Side 15mm	0.234	0.110	0.677	0.051	0.344	0.962
N78	ANT5	Front Side 15mm	0.231	0.078	0.176	0.031	0.309	0.438
		Back Side 15mm	0.308	0.110	0.677	0.051	0.418	1.036
N78	ANT8	Front Side 15mm	0.068	0.078	0.176	0.031	0.146	0.275
		Back Side 15mm	0.233	0.110	0.677	0.051	0.343	0.961

Note:

1: The highest Summed 1g SAR is 1.100 W/Kg < 1.6 W/kg, so Simultaneous Transmission SAR test is not required.

12.2.5 Hotspot Simultaneous Transmission SAR Evaluation for WWAN Antenna with WLAN and Bluetooth

Band	Antenna	Position	Stand alone SAR				SUM SAR	
			1	2	3	4		
			WWAN	2.4GWIFI	Max.5GWIFI	Bluetooth	Sum SAR (1+2)	Sum SAR (1+3+4)
GSM850	ANT4	Front Side 10mm	0.132	0.151	0.127	0.054	0.283	0.313
		Back Side 10mm	0.188	0.240	0.409	0.080	0.428	0.677
		Left Edge 10mm	0.000	0.168	0.262	0.068	0.168	0.330
		Right Edge 10mm	0.064	0.000	0.000	0.000	0.064	0.064
		Top Edge 10mm	0.181	0.140	0.411	0.047	0.321	0.639
		Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000
GSM850	ANT0	Front Side 10mm	0.398	0.151	0.127	0.054	0.549	0.579
		Back Side 10mm	0.633	0.240	0.409	0.080	0.873	1.122
		Left Edge 10mm	0.287	0.168	0.262	0.068	0.455	0.617
		Right Edge 10mm	0.146	0.000	0.000	0.000	0.146	0.146
		Top Edge 10mm	0.000	0.140	0.411	0.047	0.140	0.458
		Bottom Edge 10mm	0.436	0.000	0.000	0.000	0.436	0.436
GSM1900	ANT4	Front Side 10mm	0.313	0.151	0.127	0.054	0.464	0.494
		Back Side 10mm	0.447	0.240	0.409	0.080	0.687	0.936
		Left Edge 10mm	0.000	0.168	0.262	0.068	0.168	0.330
		Right Edge 10mm	0.115	0.000	0.000	0.000	0.115	0.115
		Top Edge 10mm	0.742	0.140	0.411	0.047	0.882	1.200
		Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000
GSM1900	ANT0	Front Side 10mm	0.464	0.151	0.127	0.054	0.615	0.645
		Back Side 10mm	0.622	0.240	0.409	0.080	0.862	1.111
		Left Edge 10mm	0.076	0.168	0.262	0.068	0.244	0.406
		Right Edge 10mm	0.083	0.000	0.000	0.000	0.083	0.083
		Top Edge 10mm	0.000	0.140	0.411	0.047	0.140	0.458
		Bottom Edge 10mm	1.193	0.000	0.000	0.000	1.193	1.193
WCDMA B2	ANT4	Front Side 10mm	0.330	0.151	0.127	0.054	0.481	0.511
		Back Side 10mm	0.585	0.240	0.409	0.080	0.825	1.074
		Left Edge 10mm	0.000	0.168	0.262	0.068	0.168	0.330
		Right Edge 10mm	0.126	0.000	0.000	0.000	0.126	0.126
		Top Edge 10mm	0.705	0.140	0.411	0.047	0.845	1.163
		Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000
WCDMA B2	ANT0	Front Side 10mm	0.186	0.151	0.127	0.054	0.337	0.367
		Back Side 10mm	0.329	0.240	0.409	0.080	0.569	0.818
		Left Edge 10mm	0.069	0.168	0.262	0.068	0.237	0.399
		Right Edge 10mm	0.398	0.000	0.000	0.000	0.398	0.398
		Top Edge 10mm	0.000	0.140	0.411	0.047	0.140	0.458
		Bottom Edge 10mm	0.921	0.000	0.000	0.000	0.921	0.921

WCDMA B4	ANT4	Front Side 10mm	0.252	0.151	0.127	0.054	0.403	0.433
		Back Side 10mm	0.356	0.240	0.409	0.080	0.596	0.845
		Left Edge 10mm	0.000	0.168	0.262	0.068	0.168	0.330
		Right Edge 10mm	0.098	0.000	0.000	0.000	0.098	0.098
		Top Edge 10mm	0.461	0.140	0.411	0.047	0.601	0.919
		Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000
WCDMA B4	ANT0	Front Side 10mm	0.317	0.151	0.127	0.054	0.468	0.498
		Back Side 10mm	0.546	0.240	0.409	0.080	0.786	1.035
		Left Edge 10mm	0.086	0.168	0.262	0.068	0.254	0.416
		Right Edge 10mm	0.056	0.000	0.000	0.000	0.056	0.056
		Top Edge 10mm	0.000	0.140	0.411	0.047	0.140	0.458
		Bottom Edge 10mm	1.033	0.000	0.000	0.000	1.033	1.033
WCDMA B5	ANT4	Front Side 10mm	0.063	0.151	0.127	0.054	0.214	0.244
		Back Side 10mm	0.090	0.240	0.409	0.080	0.330	0.579
		Left Edge 10mm	0.000	0.168	0.262	0.068	0.168	0.330
		Right Edge 10mm	0.034	0.000	0.000	0.000	0.034	0.034
		Top Edge 10mm	0.124	0.140	0.411	0.047	0.264	0.582
		Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000
WCDMA B5	ANT0	Front Side 10mm	0.207	0.151	0.127	0.054	0.358	0.388
		Back Side 10mm	0.393	0.240	0.409	0.080	0.633	0.882
		Left Edge 10mm	0.150	0.168	0.262	0.068	0.318	0.480
		Right Edge 10mm	0.077	0.000	0.000	0.000	0.077	0.077
		Top Edge 10mm	0.000	0.140	0.411	0.047	0.140	0.458
		Bottom Edge 10mm	0.258	0.000	0.000	0.000	0.258	0.258
LTE B2	ANT4	Front Side 10mm	0.465	0.151	0.127	0.054	0.616	0.646
		Back Side 10mm	0.656	0.240	0.409	0.080	0.896	1.145
		Left Edge 10mm	0.000	0.168	0.262	0.068	0.168	0.330
		Right Edge 10mm	0.186	0.000	0.000	0.000	0.186	0.186
		Top Edge 10mm	0.820	0.140	0.411	0.047	0.960	1.278
		Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000
LTE B2	ANT0	Front Side 10mm	0.300	0.151	0.127	0.054	0.451	0.481
		Back Side 10mm	0.427	0.240	0.409	0.080	0.667	0.916
		Left Edge 10mm	0.047	0.168	0.262	0.068	0.215	0.377
		Right Edge 10mm	0.064	0.000	0.000	0.000	0.064	0.064
		Top Edge 10mm	0.000	0.140	0.411	0.047	0.140	0.458
		Bottom Edge 10mm	0.596	0.000	0.000	0.000	0.596	0.596
LTE B4	ANT4	Front Side 10mm	0.272	0.151	0.127	0.054	0.423	0.453
		Back Side 10mm	0.347	0.240	0.409	0.080	0.587	0.836
		Left Edge 10mm	0.061	0.168	0.262	0.068	0.229	0.391
		Right Edge 10mm	0.101	0.000	0.000	0.000	0.101	0.101
		Top Edge 10mm	0.431	0.140	0.411	0.047	0.571	0.889
		Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000
LTE B4	ANT0	Front Side 10mm	0.474	0.151	0.127	0.054	0.625	0.655

		Back Side 10mm	0.639	0.240	0.409	0.080	0.879	1.128
		Left Edge 10mm	0.109	0.168	0.262	0.068	0.277	0.439
		Right Edge 10mm	0.088	0.000	0.000	0.000	0.088	0.088
		Top Edge 10mm	0.000	0.140	0.411	0.047	0.140	0.458
		Bottom Edge 10mm	1.035	0.000	0.000	0.000	1.035	1.035
LTE B5	ANT4	Front Side 10mm	0.071	0.151	0.127	0.054	0.222	0.252
		Back Side 10mm	0.088	0.240	0.409	0.080	0.328	0.577
		Left Edge 10mm	0.000	0.168	0.262	0.068	0.168	0.330
		Right Edge 10mm	0.010	0.000	0.000	0.000	0.010	0.010
		Top Edge 10mm	0.104	0.140	0.411	0.047	0.244	0.562
		Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000
LTE B5	ANT0	Front Side 10mm	0.169	0.151	0.127	0.054	0.320	0.350
		Back Side 10mm	0.263	0.240	0.409	0.080	0.503	0.752
		Left Edge 10mm	0.113	0.168	0.262	0.068	0.281	0.443
		Right Edge 10mm	0.058	0.000	0.000	0.000	0.058	0.058
		Top Edge 10mm	0.000	0.140	0.411	0.047	0.140	0.458
		Bottom Edge 10mm	0.176	0.000	0.000	0.000	0.176	0.176
LTE B7	ANT1	Front Side 10mm	0.322	0.151	0.127	0.054	0.473	0.503
		Back Side 10mm	0.430	0.240	0.409	0.080	0.670	0.919
		Left Edge 10mm	0.035	0.168	0.262	0.068	0.203	0.365
		Right Edge 10mm	0.302	0.000	0.000	0.000	0.302	0.302
		Top Edge 10mm	0.000	0.140	0.411	0.047	0.140	0.458
		Bottom Edge 10mm	0.185	0.000	0.000	0.000	0.185	0.185
LTE B12	ANT4	Front Side 10mm	0.054	0.151	0.127	0.054	0.205	0.235
		Back Side 10mm	0.072	0.240	0.409	0.080	0.312	0.561
		Left Edge 10mm	0.000	0.168	0.262	0.068	0.168	0.330
		Right Edge 10mm	0.074	0.000	0.000	0.000	0.074	0.074
		Top Edge 10mm	0.073	0.140	0.411	0.047	0.213	0.531
		Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000
LTE B12	ANT0	Front Side 10mm	0.083	0.151	0.127	0.054	0.234	0.264
		Back Side 10mm	0.132	0.240	0.409	0.080	0.372	0.621
		Left Edge 10mm	0.152	0.168	0.262	0.068	0.320	0.482
		Right Edge 10mm	0.084	0.000	0.000	0.000	0.084	0.084
		Top Edge 10mm	0.000	0.140	0.411	0.047	0.140	0.458
		Bottom Edge 10mm	0.090	0.000	0.000	0.000	0.090	0.090
LTE B17	ANT4	Front Side 10mm	0.060	0.151	0.127	0.054	0.211	0.241
		Back Side 10mm	0.079	0.240	0.409	0.080	0.319	0.568
		Left Edge 10mm	0.000	0.168	0.262	0.068	0.168	0.330
		Right Edge 10mm	0.088	0.000	0.000	0.000	0.088	0.088
		Top Edge 10mm	0.085	0.140	0.411	0.047	0.225	0.543
		Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000
LTE B17	ANT0	Front Side 10mm	0.109	0.151	0.127	0.054	0.260	0.290
		Back Side 10mm	0.167	0.240	0.409	0.080	0.407	0.656

		Left Edge 10mm	0.204	0.168	0.262	0.068	0.372	0.534
		Right Edge 10mm	0.108	0.000	0.000	0.000	0.108	0.108
		Top Edge 10mm	0.000	0.140	0.411	0.047	0.140	0.458
		Bottom Edge 10mm	0.136	0.000	0.000	0.000	0.136	0.136
LTE B66	ANT4	Front Side 10mm	0.287	0.151	0.127	0.054	0.438	0.468
		Back Side 10mm	0.390	0.240	0.409	0.080	0.630	0.879
		Left Edge 10mm	0.000	0.168	0.262	0.068	0.168	0.330
		Right Edge 10mm	0.111	0.000	0.000	0.000	0.111	0.111
		Top Edge 10mm	0.456	0.140	0.411	0.047	0.596	0.914
		Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000
LTE B66	ANT0	Front Side 10mm	0.531	0.151	0.127	0.054	0.682	0.712
		Back Side 10mm	0.724	0.240	0.409	0.080	0.964	1.213
		Left Edge 10mm	0.123	0.168	0.262	0.068	0.291	0.453
		Right Edge 10mm	0.107	0.000	0.000	0.000	0.107	0.107
		Top Edge 10mm	0.000	0.140	0.411	0.047	0.140	0.458
		Bottom Edge 10mm	1.098	0.000	0.000	0.000	1.098	1.098
LTE B38	ANT1	Front Side 10mm	0.242	0.151	0.127	0.054	0.393	0.423
		Back Side 10mm	0.296	0.240	0.409	0.080	0.536	0.785
		Left Edge 10mm	0.000	0.168	0.262	0.068	0.168	0.330
		Right Edge 10mm	0.243	0.000	0.000	0.000	0.243	0.243
		Top Edge 10mm	0.000	0.140	0.411	0.047	0.140	0.458
		Bottom Edge 10mm	0.156	0.000	0.000	0.000	0.156	0.156
LTE B41	ANT4	Front Side 10mm	0.253	0.151	0.127	0.054	0.404	0.434
		Back Side 10mm	0.641	0.240	0.409	0.080	0.881	1.130
		Left Edge 10mm	0.000	0.168	0.262	0.068	0.168	0.330
		Right Edge 10mm	0.075	0.000	0.000	0.000	0.075	0.075
		Top Edge 10mm	0.984	0.140	0.411	0.047	1.124	1.442
		Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000
LTE B42	ANT5	Front Side 10mm	0.321	0.151	0.127	0.054	0.472	0.502
		Back Side 10mm	0.578	0.240	0.409	0.080	0.818	1.067
		Left Edge 10mm	0.426	0.168	0.262	0.068	0.594	0.756
		Right Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000
		Top Edge 10mm	0.574	0.140	0.411	0.047	0.714	1.032
		Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000
N5	ANT4	Front Side 10mm	0.040	0.151	0.127	0.054	0.191	0.221
		Back Side 10mm	0.057	0.240	0.409	0.080	0.297	0.546
		Left Edge 10mm	0.000	0.168	0.262	0.068	0.168	0.330
		Right Edge 10mm	0.028	0.000	0.000	0.000	0.028	0.028
		Top Edge 10mm	0.066	0.140	0.411	0.047	0.206	0.524
		Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000
N5	ANT0	Front Side 10mm	0.151	0.151	0.127	0.054	0.302	0.332
		Back Side 10mm	0.206	0.240	0.409	0.080	0.446	0.695
		Left Edge 10mm	0.081	0.168	0.262	0.068	0.249	0.411

		Right Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000
		Top Edge 10mm	0.000	0.140	0.411	0.047	0.140	0.458
		Bottom Edge 10mm	0.159	0.000	0.000	0.000	0.159	0.159
N7	ANT1	Front Side 10mm	0.787	0.151	0.127	0.054	0.938	0.968
		Back Side 10mm	0.961	0.240	0.409	0.080	1.201	**1.450**
		Left Edge 10mm	0.000	0.168	0.262	0.068	0.168	0.330
		Right Edge 10mm	0.659	0.000	0.000	0.000	0.659	0.659
		Top Edge 10mm	0.000	0.140	0.411	0.047	0.140	0.458
		Bottom Edge 10mm	0.468	0.000	0.000	0.000	0.468	0.468
N12	ANT4	Front Side 10mm	0.037	0.151	0.127	0.054	0.188	0.218
		Back Side 10mm	0.074	0.240	0.409	0.080	0.314	0.563
		Left Edge 10mm	0.000	0.168	0.262	0.068	0.168	0.330
		Right Edge 10mm	0.056	0.000	0.000	0.000	0.056	0.056
		Top Edge 10mm	0.000	0.140	0.411	0.047	0.140	0.458
		Bottom Edge 10mm	0.055	0.000	0.000	0.000	0.055	0.055
N12	ANT0	Front Side 10mm	0.047	0.151	0.127	0.054	0.198	0.228
		Back Side 10mm	0.114	0.240	0.409	0.080	0.354	0.603
		Left Edge 10mm	0.086	0.168	0.262	0.068	0.254	0.416
		Right Edge 10mm	0.023	0.000	0.000	0.000	0.023	0.023
		Top Edge 10mm	0.000	0.140	0.411	0.047	0.140	0.458
		Bottom Edge 10mm	0.109	0.000	0.000	0.000	0.109	0.109
N66	ANT4	Front Side 10mm	0.207	0.151	0.127	0.054	0.358	0.388
		Back Side 10mm	0.286	0.240	0.409	0.080	0.526	0.775
		Left Edge 10mm	0.000	0.168	0.262	0.068	0.168	0.330
		Right Edge 10mm	0.096	0.000	0.000	0.000	0.096	0.096
		Top Edge 10mm	0.284	0.140	0.411	0.047	0.424	0.742
		Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000
N66	ANT0	Front Side 10mm	0.478	0.151	0.127	0.054	0.629	0.659
		Back Side 10mm	0.697	0.240	0.409	0.080	0.937	1.186
		Left Edge 10mm	0.051	0.168	0.262	0.068	0.219	0.381
		Right Edge 10mm	0.103	0.000	0.000	0.000	0.103	0.103
		Top Edge 10mm	0.000	0.140	0.411	0.047	0.140	0.458
		Bottom Edge 10mm	1.004	0.000	0.000	0.000	1.004	1.004
N38	ANT4	Front Side 10mm	0.169	0.151	0.127	0.054	0.320	0.350
		Back Side 10mm	0.430	0.240	0.409	0.080	0.670	0.919
		Left Edge 10mm	0.000	0.168	0.262	0.068	0.168	0.330
		Right Edge 10mm	0.054	0.000	0.000	0.000	0.054	0.054
		Top Edge 10mm	0.657	0.140	0.411	0.047	0.797	1.115
		Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000
N38	ANT1	Front Side 10mm	0.169	0.151	0.127	0.054	0.320	0.350
		Back Side 10mm	0.188	0.240	0.409	0.080	0.428	0.677
		Left Edge 10mm	0.000	0.168	0.262	0.068	0.168	0.330
		Right Edge 10mm	0.115	0.000	0.000	0.000	0.115	0.115

		Top Edge 10mm	0.000	0.140	0.411	0.047	0.140	0.458
		Bottom Edge 10mm	0.086	0.000	0.000	0.000	0.086	0.086
N41	ANT4	Front Side 10mm	0.215	0.151	0.127	0.054	0.366	0.396
		Back Side 10mm	0.442	0.240	0.409	0.080	0.682	0.931
		Left Edge 10mm	0.000	0.168	0.262	0.068	0.168	0.330
		Right Edge 10mm	0.080	0.000	0.000	0.000	0.080	0.080
		Top Edge 10mm	0.792	0.140	0.411	0.047	0.932	1.250
		Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000
N41	ANT1	Front Side 10mm	0.276	0.151	0.127	0.054	0.427	0.457
		Back Side 10mm	0.334	0.240	0.409	0.080	0.574	0.823
		Left Edge 10mm	0.000	0.168	0.262	0.068	0.168	0.330
		Right Edge 10mm	0.231	0.000	0.000	0.000	0.231	0.231
		Top Edge 10mm	0.000	0.140	0.411	0.047	0.140	0.458
		Bottom Edge 10mm	0.154	0.000	0.000	0.000	0.154	0.154
N77	ANT2	Front Side 10mm	0.125	0.151	0.127	0.054	0.276	0.306
		Back Side 10mm	0.528	0.240	0.409	0.080	0.768	1.017
		Left Edge 10mm	0.000	0.168	0.262	0.068	0.168	0.330
		Right Edge 10mm	0.521	0.000	0.000	0.000	0.521	0.521
		Top Edge 10mm	0.032	0.140	0.411	0.047	0.172	0.490
		Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000
N77	ANT3	Front Side 10mm	0.483	0.151	0.127	0.054	0.634	0.664
		Back Side 10mm	0.481	0.240	0.409	0.080	0.721	0.970
		Left Edge 10mm	0.000	0.168	0.262	0.068	0.168	0.330
		Right Edge 10mm	0.770	0.000	0.000	0.000	0.770	0.770
		Top Edge 10mm	0.297	0.140	0.411	0.047	0.437	0.755
		Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000
N77	ANT5	Front Side 10mm	0.488	0.151	0.127	0.054	0.639	0.669
		Back Side 10mm	0.911	0.240	0.409	0.080	1.151	1.400
		Left Edge 10mm	0.411	0.168	0.262	0.068	0.579	0.741
		Right Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000
		Top Edge 10mm	0.888	0.140	0.411	0.047	1.028	1.346
		Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000
N77	ANT8	Front Side 10mm	0.187	0.151	0.127	0.054	0.338	0.368
		Back Side 10mm	0.599	0.240	0.409	0.080	0.839	1.088
		Left Edge 10mm	0.437	0.168	0.262	0.068	0.605	0.767
		Right Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000
		Top Edge 10mm	0.103	0.140	0.411	0.047	0.243	0.561
		Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000
N78	ANT2	Front Side 10mm	0.234	0.151	0.127	0.054	0.385	0.415
		Back Side 10mm	0.442	0.240	0.409	0.080	0.682	0.931
		Left Edge 10mm	0.000	0.168	0.262	0.068	0.168	0.330
		Right Edge 10mm	0.510	0.000	0.000	0.000	0.510	0.510
		Top Edge 10mm	0.019	0.140	0.411	0.047	0.159	0.477

		Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000
N78	ANT3	Front Side 10mm	0.286	0.151	0.127	0.054	0.437	0.467
		Back Side 10mm	0.321	0.240	0.409	0.080	0.561	0.810
		Left Edge 10mm	0.000	0.168	0.262	0.068	0.168	0.330
		Right Edge 10mm	0.507	0.000	0.000	0.000	0.507	0.507
		Top Edge 10mm	0.167	0.140	0.411	0.047	0.307	0.625
		Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000
N78	ANT5	Front Side 10mm	0.306	0.151	0.127	0.054	0.457	0.487
		Back Side 10mm	0.566	0.240	0.409	0.080	0.806	1.055
		Left Edge 10mm	0.545	0.168	0.262	0.068	0.713	0.875
		Right Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000
		Top Edge 10mm	0.694	0.140	0.411	0.047	0.834	1.152
		Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000
N78	ANT8	Front Side 10mm	0.133	0.151	0.127	0.054	0.284	0.314
		Back Side 10mm	0.493	0.240	0.409	0.080	0.733	0.982
		Left Edge 10mm	0.363	0.168	0.262	0.068	0.531	0.693
		Right Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000
		Top Edge 10mm	0.129	0.140	0.411	0.047	0.269	0.587
		Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000

Note:

1: The highest Summed 1g SAR is 1.450 W/Kg < 1.6 W/kg, so Simultaneous Transmission SAR test is not required.

12.2.6 Specific Simultaneous Transmission SAR Evaluation for WWAN Antenna with WLAN and Bluetooth

Band	Antenna	Position	Stand alone SAR				SUM SAR	
			1.000	2	3	4		
			WWAN	2.4GWIFI	Max.5GWIFI	Bluetooth	Sum SAR (1+2)	Sum SAR (1+3+4)
WCDMA B2	ANT0	Bottom Edge 0mm	0.985	0.000	0.000	0.000	0.985	0.985
WCDMA B4	ANT0	Bottom Edge 0mm	1.184	0.000	0.000	0.000	1.184	1.184
LTE B41	ANT4	Back Side 0mm	0.823	0.000	0.724	0.000	0.823	1.547
		Top Edge 0mm	1.247	0.000	1.127	0.000	1.247	2.374
N7	ANT4	Back Side 0mm	0.995	0.000	0.724	0.000	0.995	1.719
		Top Edge 0mm	1.343	0.000	1.127	0.000	1.343	2.470
N38	ANT4	Back Side 0mm	0.793	0.000	0.724	0.000	0.793	1.517
		Top Edge 0mm	1.245	0.000	1.127	0.000	1.245	2.372
N41	ANT4	Back Side 0mm	0.933	0.000	0.724	0.000	0.933	1.657
		Top Edge 0mm	1.500	0.000	1.127	0.000	1.500	**2.627**
N77	ANT2	Back Side 0mm	1.009	0.000	0.724	0.000	1.009	1.733
		Right Edge 0mm	1.175	0.000	0.000	0.000	1.175	1.175
N78	ANT2	Back Side 0mm	1.031	0.000	0.724	0.000	1.031	1.755
		Right Edge 0mm	1.144	0.000	0.000	0.000	1.144	1.144

Note:

1: The highest Summed 10g SAR is 2.627 W/Kg < 4.0 W/kg, so Simultaneous Transmission SAR test is not required.

12.2.7 Head Simultaneous Transmission SAR Evaluation for ENDC

Band	ENDC	LTE Antenna	ENDC	NR Antenna	Position	Stand alone SAR		
	LTE Band		NR Band			ENDC LTE	ENDC NR	1 LTE+NR (ENDC)
ENDC_2A_n7A	LTE B2	ANT0	N7	ANT4	Left Cheek	0.082	0.256	0.338
					Left Tilt	0.086	0.326	0.412
					Right Cheek	0.095	0.556	0.651
					Right Tilt	0.057	0.572	0.629
ENDC_5A_n7A	LTE B5	ANT0	N7	ANT4	Left Cheek	0.119	0.256	0.375
					Left Tilt	0.070	0.326	0.396
					Right Cheek	0.148	0.556	0.704
					Right Tilt	0.097	0.572	0.669
ENDC_7A_n7A	LTE B7	ANT1	N7	ANT4	Left Cheek	0.243	0.256	0.499
					Left Tilt	0.077	0.326	0.403
					Right Cheek	0.141	0.556	0.697
					Right Tilt	0.117	0.572	0.689
ENDC_66A_n7A	LTE B66	ANT0	N7	ANT4	Left Cheek	0.101	0.256	0.357
					Left Tilt	0.088	0.326	0.414
					Right Cheek	0.157	0.556	0.713
					Right Tilt	0.067	0.572	0.639
ENDC_5A_n38A	LTE B5	ANT0	N38	ANT4	Left Cheek	0.119	0.284	0.403
					Left Tilt	0.070	0.363	0.433
					Right Cheek	0.148	0.692	0.840
					Right Tilt	0.097	0.793	0.890
ENDC_66A_n38A	LTE B66	ANT0	N38	ANT4	Left Cheek	0.101	0.284	0.385
					Left Tilt	0.088	0.363	0.451
					Right Cheek	0.157	0.692	0.849
					Right Tilt	0.067	0.793	0.860
ENDC_4A_n41A	LTE B4	ANT0	N41	ANT4	Left Cheek	0.104	0.272	0.376
					Left Tilt	0.087	0.356	0.443
					Right Cheek	0.142	0.679	0.821
					Right Tilt	0.072	0.782	0.854
ENDC_5A_n41A	LTE B5	ANT0	N41	ANT4	Left Cheek	0.119	0.272	0.391
					Left Tilt	0.070	0.356	0.426
					Right Cheek	0.148	0.679	0.827
					Right Tilt	0.097	0.782	0.879
ENDC_41A_n41A	LTE B41	ANT1	N41	ANT4	Left Cheek	0.231	0.272	0.503
					Left Tilt	0.071	0.356	0.427
					Right Cheek	0.139	0.679	0.818
					Right Tilt	0.119	0.782	**0.901**
ENDC_66A_n41A	LTE B66	ANT0	N41	ANT4	Left Cheek	0.101	0.272	0.373

					Left Tilt	0.088	0.356	0.444
					Right Cheek	0.157	0.679	0.836
					Right Tilt	0.067	0.782	0.849
ENDC_2A_n66A	LTE B2	ANT0	N66	ANT4	Left Cheek	0.082	0.422	0.504
					Left Tilt	0.086	0.470	0.556
					Right Cheek	0.095	0.740	0.835
					Right Tilt	0.057	0.732	0.789
ENDC_5A_n66A	LTE B5	ANT0	N66	ANT4	Left Cheek	0.119	0.422	0.541
					Left Tilt	0.070	0.470	0.540
					Right Cheek	0.148	0.740	0.888
					Right Tilt	0.097	0.732	0.829
ENDC_7A_n66A	LTE B7	ANT1	N66	ANT4	Left Cheek	0.243	0.422	0.665
					Left Tilt	0.077	0.470	0.547
					Right Cheek	0.141	0.740	0.881
					Right Tilt	0.117	0.732	0.849
ENDC_66A_n66A	LTE B66	ANT0	N66	ANT4	Left Cheek	0.101	0.422	0.523
					Left Tilt	0.088	0.470	0.558
					Right Cheek	0.157	0.740	0.897
					Right Tilt	0.067	0.732	0.799
ENDC_5A_n77A	LTE B5	ANT0	N77	ANT5	Left Cheek	0.119	0.503	0.622
					Left Tilt	0.070	0.499	0.569
					Right Cheek	0.148	0.334	0.482
					Right Tilt	0.097	0.350	0.447
ENDC_7A_n77A	LTE B7	ANT1	N77	ANT5	Left Cheek	0.243	0.503	0.746
					Left Tilt	0.077	0.499	0.576
					Right Cheek	0.141	0.334	0.475
					Right Tilt	0.117	0.350	0.467
ENDC_41A_n77A	LTE B41	ANT1	N77	ANT5	Left Cheek	0.231	0.503	0.734
					Left Tilt	0.071	0.499	0.570
					Right Cheek	0.139	0.334	0.473
					Right Tilt	0.119	0.350	0.469
ENDC_66A_n77A	LTE B66	ANT0	N77	ANT5	Left Cheek	0.101	0.503	0.604
					Left Tilt	0.088	0.499	0.587
					Right Cheek	0.157	0.334	0.491
					Right Tilt	0.067	0.350	0.417
ENDC_2A_n78A	LTE B2	ANT0	N78	ANT5	Left Cheek	0.082	0.377	0.459
					Left Tilt	0.086	0.206	0.292
					Right Cheek	0.095	0.162	0.257
					Right Tilt	0.057	0.181	0.238
ENDC_4A_n78A	LTE B4	ANT0	N78	ANT5	Left Cheek	0.104	0.377	0.481
					Left Tilt	0.087	0.206	0.293
					Right Cheek	0.142	0.162	0.304
					Right Tilt	0.072	0.181	0.253

ENDC_5A_n78A	LTE B5	ANT0	N78	ANT5	Left Cheek	0.119	0.377	0.496
					Left Tilt	0.070	0.206	0.276
					Right Cheek	0.148	0.162	0.310
					Right Tilt	0.097	0.181	0.278
ENDC_7A_n78A	LTE B7	ANT1	N78	ANT5	Left Cheek	0.243	0.377	0.620
					Left Tilt	0.077	0.206	0.283
					Right Cheek	0.141	0.162	0.303
					Right Tilt	0.117	0.181	0.298
ENDC_38A_n78A	LTE B38	ANT1	N78	ANT5	Left Cheek	0.205	0.377	0.582
					Left Tilt	0.065	0.206	0.271
					Right Cheek	0.120	0.162	0.282
					Right Tilt	0.109	0.181	0.290
ENDC_41A_n78A	LTE B41	ANT1	N78	ANT5	Left Cheek	0.231	0.377	0.608
					Left Tilt	0.071	0.206	0.277
					Right Cheek	0.139	0.162	0.301
					Right Tilt	0.119	0.181	0.300
ENDC_66A_n78A	LTE B66	ANT0	N78	ANT5	Left Cheek	0.101	0.377	0.478
					Left Tilt	0.088	0.206	0.294
					Right Cheek	0.157	0.162	0.319
					Right Tilt	0.067	0.181	0.248

Note:

1: The highest Summed 1g SAR is 0.901 W/Kg < 1.6 W/kg, so Simultaneous Transmission SAR test is not required.

12.2.8 Body-worn Simultaneous Transmission SAR Evaluation for ENDC

Band	ENDC	LTE Antenna	ENDC	NR Antenna	Position	Stand alone SAR		
	LTE Band		NR Band			ENDC LTE	ENDC NR	1 LTE+NR (ENDC)
ENDC_2A_n7A	LTE B2	ANT0	N7	ANT4	Front Side 15mm	0.205	0.090	0.295
					Back Side 15mm	0.275	0.192	0.467
ENDC_5A_n7A	LTE B5	ANT0	N7	ANT4	Front Side 15mm	0.108	0.090	0.198
					Back Side 15mm	0.147	0.192	0.339
ENDC_7A_n7A	LTE B7	ANT1	N7	ANT4	Front Side 15mm	0.210	0.090	0.300
					Back Side 15mm	0.272	0.192	0.464
ENDC_66A_n7A	LTE B66	ANT0	N7	ANT4	Front Side 15mm	0.266	0.090	0.356
					Back Side 15mm	0.372	0.192	0.564
ENDC_5A_n38A	LTE B5	ANT0	N38	ANT4	Front Side 15mm	0.108	0.122	0.230
					Back Side 15mm	0.147	0.270	0.417
ENDC_66A_n38A	LTE B66	ANT0	N38	ANT4	Front Side 15mm	0.266	0.122	0.388
					Back Side 15mm	0.372	0.270	0.642
ENDC_4A_n41A	LTE B4	ANT0	N41	ANT4	Front Side 15mm	0.265	0.202	0.467
					Back Side 15mm	0.360	0.446	0.806
ENDC_5A_n41A	LTE B5	ANT0	N41	ANT4	Front Side 15mm	0.108	0.202	0.310
					Back Side 15mm	0.147	0.446	0.593
ENDC_41A_n41A	LTE B41	ANT1	N41	ANT4	Front Side 15mm	0.116	0.202	0.318
					Back Side 15mm	0.311	0.446	0.757
ENDC_66A_n41A	LTE B66	ANT0	N41	ANT4	Front Side 15mm	0.266	0.202	0.468
					Back Side 15mm	0.372	0.446	**0.818**
ENDC_2A_n66A	LTE B2	ANT0	N66	ANT4	Front Side 15mm	0.205	0.124	0.329
					Back Side 15mm	0.275	0.156	0.431
ENDC_5A_n66A	LTE B5	ANT0	N66	ANT4	Front Side 15mm	0.108	0.124	0.232
					Back Side 15mm	0.147	0.156	0.303
ENDC_7A_n66A	LTE B7	ANT1	N66	ANT4	Front Side 15mm	0.210	0.124	0.334
					Back Side 15mm	0.272	0.156	0.428
ENDC_66A_n66A	LTE B66	ANT0	N66	ANT4	Front Side 15mm	0.266	0.124	0.390
					Back Side 15mm	0.372	0.156	0.528
ENDC_5A_n77A	LTE B5	ANT0	N77	ANT5	Front Side 15mm	0.108	0.141	0.249
					Back Side 15mm	0.147	0.252	0.399
ENDC_7A_n77A	LTE B7	ANT1	N77	ANT5	Front Side 15mm	0.210	0.141	0.351
					Back Side 15mm	0.272	0.252	0.524
ENDC_41A_n77A	LTE B41	ANT1	N77	ANT5	Front Side 15mm	0.116	0.141	0.257
					Back Side 15mm	0.311	0.252	0.563
ENDC_66A_n77A	LTE B66	ANT0	N77	ANT5	Front Side 15mm	0.266	0.141	0.407
					Back Side 15mm	0.372	0.252	0.624
ENDC_2A_n78A	LTE B2	ANT0	N78	ANT5	Front Side 15mm	0.205	0.192	0.397

					Back Side 15mm	0.275	0.260	0.535
ENDC_4A_n78A	LTE B4	ANT0	N78	ANT5	Front Side 15mm	0.265	0.192	0.457
					Back Side 15mm	0.360	0.260	0.620
ENDC_5A_n78A	LTE B5	ANT0	N78	ANT5	Front Side 15mm	0.108	0.192	0.300
					Back Side 15mm	0.147	0.260	0.407
ENDC_7A_n78A	LTE B7	ANT1	N78	ANT5	Front Side 15mm	0.210	0.192	0.402
					Back Side 15mm	0.272	0.260	0.532
ENDC_38A_n78A	LTE B38	ANT1	N78	ANT5	Front Side 15mm	0.152	0.192	0.344
					Back Side 15mm	0.188	0.260	0.448
ENDC_41A_n78A	LTE B41	ANT1	N78	ANT5	Front Side 15mm	0.116	0.192	0.308
					Back Side 15mm	0.311	0.260	0.571
ENDC_66A_n78A	LTE B66	ANT0	N78	ANT5	Front Side 15mm	0.266	0.192	0.458
					Back Side 15mm	0.372	0.260	0.632
Note:								
1: The highest Summed 1g SAR is 0.818 W/Kg < 1.6 W/kg, so Simultaneous Transmission SAR test is not required.								

12.2.9 Head Simultaneous Transmission SAR Evaluation for ENDC Antenna with WLAN and Bluetooth

Band	ENDC	LTE Antenna	ENDC	NR Antenna	Position	Stand alone SAR						SUM SAR	
						ENDC LTE	ENDC NR	1	2	3	4		
	LTE Band		NR Band					LTE+NR (ENDC)	2.4G WIFI	Max. 5GWIFI	Blueto oth	Sum SAR（1+2）	Sum SAR（1+3+4）
ENDC_2A_n7A	LTE B2	ANT0	N7	ANT 4	Left Cheek	0.082	0.201	0.283	0.634	0.389	0.236	0.917	0.908
					Left Tilt	0.086	0.257	0.343	0.469	0.347	0.211	0.812	0.901
					Right Cheek	0.095	0.439	0.534	0.222	0.224	0.104	0.756	0.862
					Right Tilt	0.057	0.452	0.509	0.200	0.276	0.097	0.709	0.882
ENDC_5A_n7A	LTE B5	ANT0	N7	ANT 4	Left Cheek	0.119	0.201	0.320	0.634	0.389	0.236	0.954	0.945
					Left Tilt	0.070	0.257	0.327	0.469	0.347	0.211	0.796	0.885
					Right Cheek	0.148	0.439	0.587	0.222	0.224	0.104	0.809	0.915
					Right Tilt	0.097	0.452	0.549	0.200	0.276	0.097	0.749	0.922
ENDC_7A_n7A	LTE B7	ANT1	N7	ANT 4	Left Cheek	0.243	0.201	0.444	0.634	0.389	0.236	1.078	1.069
					Left Tilt	0.077	0.257	0.334	0.469	0.347	0.211	0.803	0.892
					Right Cheek	0.141	0.439	0.580	0.222	0.224	0.104	0.802	0.908
					Right Tilt	0.117	0.452	0.569	0.200	0.276	0.097	0.769	0.942
ENDC_66A_n7A	LTE B66	ANT0	N7	ANT 4	Left Cheek	0.101	0.201	0.302	0.634	0.389	0.236	0.936	0.927
					Left Tilt	0.088	0.257	0.345	0.469	0.347	0.211	0.814	0.903
					Right Cheek	0.157	0.439	0.596	0.222	0.224	0.104	0.818	0.924
					Right Tilt	0.067	0.452	0.519	0.200	0.276	0.097	0.719	0.892
ENDC_5A_n38A	LTE B5	ANT0	N38	ANT 4	Left Cheek	0.119	0.207	0.326	0.634	0.389	0.236	0.960	0.951
					Left Tilt	0.070	0.268	0.338	0.469	0.347	0.211	0.807	0.896
					Right Cheek	0.148	0.510	0.658	0.222	0.224	0.104	0.880	0.986
					Right Tilt	0.097	0.583	0.680	0.200	0.276	0.097	0.880	1.053
ENDC_66A_n38A	LTE B66	ANT0	N38	ANT 4	Left Cheek	0.101	0.207	0.308	0.634	0.389	0.236	0.942	0.933
					Left Tilt	0.088	0.268	0.356	0.469	0.347	0.211	0.825	0.914
					Right Cheek	0.157	0.510	0.667	0.222	0.224	0.104	0.889	0.995
					Right Tilt	0.067	0.583	0.650	0.200	0.276	0.097	0.850	1.023
ENDC_4A_n41A	LTE B4	ANT0	N41	ANT 4	Left Cheek	0.104	0.213	0.317	0.634	0.389	0.236	0.951	0.942
					Left Tilt	0.087	0.275	0.362	0.469	0.347	0.211	0.831	0.920
					Right Cheek	0.142	0.525	0.667	0.222	0.224	0.104	0.889	0.995
					Right Tilt	0.072	0.608	0.680	0.200	0.276	0.097	0.880	1.053
ENDC_5A_n41A	LTE B5	ANT0	N41	ANT 4	Left Cheek	0.119	0.213	0.332	0.634	0.389	0.236	0.966	0.957
					Left Tilt	0.070	0.275	0.345	0.469	0.347	0.211	0.814	0.903
					Right Cheek	0.148	0.525	0.673	0.222	0.224	0.104	0.895	1.001
					Right Tilt	0.097	0.608	0.705	0.200	0.276	0.097	0.905	1.078
ENDC_41A_n41A	LTE B41	ANT1	N41	ANT 4	Left Cheek	0.231	0.213	0.444	0.634	0.389	0.236	1.078	1.069
					Left Tilt	0.071	0.275	0.346	0.469	0.347	0.211	0.815	0.904
					Right Cheek	0.139	0.525	0.664	0.222	0.224	0.104	0.886	0.992

					Right Tilt	0.119	0.608	0.727	0.200	0.276	0.097	0.927	1.100
ENDC_66A_n41A	LTE B66	ANT0	N41	ANT 4	Left Cheek	0.101	0.213	0.314	0.634	0.389	0.236	0.948	0.939
					Left Tilt	0.088	0.275	0.363	0.469	0.347	0.211	0.832	0.921
					Right Cheek	0.157	0.525	0.682	0.222	0.224	0.104	0.904	1.010
					Right Tilt	0.067	0.608	0.675	0.200	0.276	0.097	0.875	1.048
ENDC_2A_n66A	LTE B2	ANT0	N66	ANT 4	Left Cheek	0.082	0.319	0.401	0.634	0.389	0.236	1.035	1.026
					Left Tilt	0.086	0.368	0.454	0.469	0.347	0.211	0.923	1.012
					Right Cheek	0.095	0.580	0.675	0.222	0.224	0.104	0.897	1.003
					Right Tilt	0.057	0.571	0.628	0.200	0.276	0.097	0.828	1.001
ENDC_5A_n66A	LTE B5	ANT0	N66	ANT 4	Left Cheek	0.119	0.319	0.438	0.634	0.389	0.236	1.072	1.063
					Left Tilt	0.070	0.368	0.438	0.469	0.347	0.211	0.907	0.996
					Right Cheek	0.148	0.580	0.728	0.222	0.224	0.104	0.950	1.056
					Right Tilt	0.097	0.571	0.668	0.200	0.276	0.097	0.868	1.041
ENDC_7A_n66A	LTE B7	ANT1	N66	ANT 4	Left Cheek	0.243	0.319	0.562	0.634	0.389	0.236	1.196	1.187
					Left Tilt	0.077	0.368	0.445	0.469	0.347	0.211	0.914	1.003
					Right Cheek	0.141	0.580	0.721	0.222	0.224	0.104	0.943	1.049
					Right Tilt	0.117	0.571	0.688	0.200	0.276	0.097	0.888	1.061
ENDC_66A_n66A	LTE B66	ANT0	N66	ANT 4	Left Cheek	0.101	0.319	0.420	0.634	0.389	0.236	1.054	1.045
					Left Tilt	0.088	0.368	0.456	0.469	0.347	0.211	0.925	1.014
					Right Cheek	0.157	0.580	0.737	0.222	0.224	0.104	0.959	1.065
					Right Tilt	0.067	0.571	0.638	0.200	0.276	0.097	0.838	1.011
ENDC_5A_n77A	LTE B5	ANT0	N77	ANT 5	Left Cheek	0.119	0.389	0.508	0.634	0.389	0.236	1.142	1.133
					Left Tilt	0.070	0.384	0.454	0.469	0.347	0.211	0.923	1.012
					Right Cheek	0.148	0.255	0.403	0.222	0.224	0.104	0.625	0.731
					Right Tilt	0.097	0.264	0.361	0.200	0.276	0.097	0.561	0.734
ENDC_7A_n77A	LTE B7	ANT1	N77	ANT 5	Left Cheek	0.243	0.389	0.632	0.634	0.389	0.236	**1.266**	1.257
					Left Tilt	0.077	0.384	0.461	0.469	0.347	0.211	0.930	1.019
					Right Cheek	0.141	0.255	0.396	0.222	0.224	0.104	0.618	0.724
					Right Tilt	0.117	0.264	0.381	0.200	0.276	0.097	0.581	0.754
ENDC_41A_n77A	LTE B41	ANT1	N77	ANT 5	Left Cheek	0.231	0.389	0.620	0.634	0.389	0.236	1.254	1.245
					Left Tilt	0.071	0.384	0.455	0.469	0.347	0.211	0.924	1.013
					Right Cheek	0.139	0.255	0.394	0.222	0.224	0.104	0.616	0.722
					Right Tilt	0.119	0.264	0.383	0.200	0.276	0.097	0.583	0.756
ENDC_66A_n77A	LTE B66	ANT0	N77	ANT 5	Left Cheek	0.101	0.389	0.490	0.634	0.389	0.236	1.124	1.115
					Left Tilt	0.088	0.384	0.472	0.469	0.347	0.211	0.941	1.030
					Right Cheek	0.157	0.255	0.412	0.222	0.224	0.104	0.634	0.740
					Right Tilt	0.067	0.264	0.331	0.200	0.276	0.097	0.531	0.704
ENDC_2A_n78A	LTE B2	ANT0	N78	ANT 5	Left Cheek	0.082	0.304	0.386	0.634	0.389	0.236	1.020	1.011
					Left Tilt	0.086	0.167	0.253	0.469	0.347	0.211	0.722	0.811
					Right Cheek	0.095	0.130	0.225	0.222	0.224	0.104	0.447	0.553
					Right Tilt	0.057	0.148	0.205	0.200	0.276	0.097	0.405	0.578
ENDC_4A_n78A	LTE B4	ANT0	N78	ANT 5	Left Cheek	0.104	0.304	0.408	0.634	0.389	0.236	1.042	1.033
					Left Tilt	0.087	0.167	0.254	0.469	0.347	0.211	0.723	0.812

					Right Cheek	0.142	0.130	0.272	0.222	0.224	0.104	0.494	0.600
					Right Tilt	0.072	0.148	0.220	0.200	0.276	0.097	0.420	0.593
ENDC_5A_n78A	LTE B5	ANT0	N78	ANT 5	Left Cheek	0.119	0.304	0.423	0.634	0.389	0.236	1.057	1.048
					Left Tilt	0.070	0.167	0.237	0.469	0.347	0.211	0.706	0.795
					Right Cheek	0.148	0.130	0.278	0.222	0.224	0.104	0.500	0.606
					Right Tilt	0.097	0.148	0.245	0.200	0.276	0.097	0.445	0.618
ENDC_7A_n78A	LTE B7	ANT1	N78	ANT 5	Left Cheek	0.243	0.304	0.547	0.634	0.389	0.236	1.181	1.172
					Left Tilt	0.077	0.167	0.244	0.469	0.347	0.211	0.713	0.802
					Right Cheek	0.141	0.130	0.271	0.222	0.224	0.104	0.493	0.599
					Right Tilt	0.117	0.148	0.265	0.200	0.276	0.097	0.465	0.638
ENDC_38A_n78A	LTE B38	ANT1	N78	ANT 5	Left Cheek	0.205	0.304	0.509	0.634	0.389	0.236	1.143	1.134
					Left Tilt	0.065	0.167	0.232	0.469	0.347	0.211	0.701	0.790
					Right Cheek	0.120	0.130	0.250	0.222	0.224	0.104	0.472	0.578
					Right Tilt	0.109	0.148	0.257	0.200	0.276	0.097	0.457	0.630
ENDC_41A_n78A	LTE B41	ANT1	N78	ANT 5	Left Cheek	0.231	0.304	0.535	0.634	0.389	0.236	1.169	1.160
					Left Tilt	0.071	0.167	0.238	0.469	0.347	0.211	0.707	0.796
					Right Cheek	0.139	0.130	0.269	0.222	0.224	0.104	0.491	0.597
					Right Tilt	0.119	0.148	0.267	0.200	0.276	0.097	0.467	0.640
ENDC_66A_n78A	LTE B66	ANT0	N78	ANT 5	Left Cheek	0.101	0.304	0.405	0.634	0.389	0.236	1.039	1.030
					Left Tilt	0.088	0.167	0.255	0.469	0.347	0.211	0.724	0.813
					Right Cheek	0.157	0.130	0.287	0.222	0.224	0.104	0.509	0.615
					Right Tilt	0.067	0.148	0.215	0.200	0.276	0.097	0.415	0.588

Note:

1: The highest Summed 1g SAR is 1.266 W/Kg < 1.6 W/kg, so Simultaneous Transmission SAR test is not required.

12.2.10 Body-worn Simultaneous Transmission SAR Evaluation for ENDC Antenna with WLAN and Bluetooth

Band	ENDC	LTE	ENDC	NR	Position	Stand alone SAR						SUM SAR	
						ENDC	ENDC	1	2	3	4		
	LTE Band	Antenna	NR Band	Antenna		LTE	NR	LTE+NR (ENDC)	2.4G WIFI	Max. 5GWIFI	Bluetooth	Sum SAR （1+2）	Sum SAR （1+3+4）
ENDC_2A_n7A	LTE B2	ANT0	N7	ANT4	Front Side 15mm	0.113	0.059	0.172	0.078	0.176	0.031	0.250	0.379
					Back Side 15mm	0.156	0.121	0.277	0.110	0.677	0.051	0.387	1.005
ENDC_5A_n7A	LTE B5	ANT0	N7	ANT4	Front Side 15mm	0.108	0.059	0.167	0.078	0.176	0.031	0.245	0.374
					Back Side 15mm	0.147	0.121	0.268	0.110	0.677	0.051	0.378	0.996
ENDC_7A_n7A	LTE B7	ANT1	N7	ANT4	Front Side 15mm	0.210	0.059	0.269	0.078	0.176	0.031	0.347	0.476
					Back Side 15mm	0.272	0.121	0.393	0.110	0.677	0.051	0.503	1.121
ENDC_66A_n7A	LTE B66	ANT0	N7	ANT4	Front Side 15mm	0.188	0.059	0.247	0.078	0.176	0.031	0.325	0.454
					Back Side 15mm	0.265	0.121	0.386	0.110	0.677	0.051	0.496	1.114
ENDC_5A_n38A	LTE B5	ANT0	N38	ANT4	Front Side 15mm	0.108	0.077	0.185	0.078	0.176	0.031	0.263	0.392
					Back Side 15mm	0.147	0.174	0.321	0.110	0.677	0.051	0.431	1.049
ENDC_66A_n38A	LTE B66	ANT0	N38	ANT4	Front Side 15mm	0.188	0.077	0.265	0.078	0.176	0.031	0.343	0.472
					Back Side 15mm	0.265	0.174	0.439	0.110	0.677	0.051	0.549	1.167
ENDC_4A_n41A	LTE B4	ANT0	N41	ANT4	Front Side 15mm	0.183	0.099	0.282	0.078	0.176	0.031	0.360	0.489
					Back Side 15mm	0.250	0.219	0.469	0.110	0.677	0.051	0.579	1.197
ENDC_5A_n41A	LTE B5	ANT0	N41	ANT4	Front Side 15mm	0.108	0.099	0.207	0.078	0.176	0.031	0.285	0.414
					Back Side 15mm	0.147	0.219	0.366	0.110	0.677	0.051	0.476	1.094
ENDC_41A_n41A	LTE B41	ANT1	N41	ANT4	Front Side 15mm	0.147	0.099	0.246	0.078	0.176	0.031	0.324	0.453
					Back Side 15mm	0.193	0.219	0.412	0.110	0.677	0.051	0.522	1.140
ENDC_66A_n41A	LTE B66	ANT0	N41	ANT4	Front Side 15mm	0.188	0.099	0.287	0.078	0.176	0.031	0.365	0.494
					Back Side 15mm	0.265	0.219	0.484	0.110	0.677	0.051	0.594	**1.212**
ENDC_2A_n66A	LTE B2	ANT0	N66	ANT4	Front Side 15mm	0.113	0.124	0.237	0.078	0.176	0.031	0.315	0.444
					Back Side 15mm	0.156	0.156	0.312	0.110	0.677	0.051	0.422	1.040
ENDC_5A_n66A	LTE B5	ANT0	N66	ANT4	Front Side 15mm	0.108	0.124	0.232	0.078	0.176	0.031	0.310	0.439
					Back Side 15mm	0.147	0.156	0.303	0.110	0.677	0.051	0.413	1.031
ENDC_7A_n66A	LTE B7	ANT1	N66	ANT4	Front Side 15mm	0.210	0.124	0.334	0.078	0.176	0.031	0.412	0.541
					Back Side 15mm	0.272	0.156	0.428	0.110	0.677	0.051	0.538	1.156
ENDC_66A_n66A	LTE B66	ANT0	N66	ANT4	Front Side 15mm	0.188	0.124	0.312	0.078	0.176	0.031	0.390	0.519
					Back Side 15mm	0.265	0.156	0.421	0.110	0.677	0.051	0.531	1.149
ENDC_5A_n77A	LTE B5	ANT0	N77	ANT5	Front Side 15mm	0.108	0.111	0.219	0.078	0.176	0.031	0.297	0.426
					Back Side 15mm	0.147	0.202	0.349	0.110	0.677	0.051	0.459	1.077
ENDC_7A_n77A	LTE B7	ANT1	N77	ANT5	Front Side 15mm	0.210	0.111	0.321	0.078	0.176	0.031	0.399	0.528
					Back Side 15mm	0.272	0.202	0.474	0.110	0.677	0.051	0.584	1.202
ENDC_41A_n77A	LTE B41	ANT1	N77	ANT5	Front Side 15mm	0.147	0.111	0.258	0.078	0.176	0.031	0.336	0.465
					Back Side 15mm	0.193	0.202	0.395	0.110	0.677	0.051	0.505	1.123
ENDC_66A_n77A	LTE B66	ANT0	N77	ANT5	Front Side 15mm	0.188	0.111	0.299	0.078	0.176	0.031	0.377	0.506
					Back Side 15mm	0.265	0.202	0.467	0.110	0.677	0.051	0.577	1.195

ENDC_2A_n78A	LTE B2	ANT0	N78	ANT5	Front Side 15mm	0.113	0.146	0.259	0.078	0.176	0.031	0.337	0.466
					Back Side 15mm	0.156	0.191	0.347	0.110	0.677	0.051	0.457	1.075
ENDC_4A_n78A	LTE B4	ANT0	N78	ANT5	Front Side 15mm	0.183	0.146	0.329	0.078	0.176	0.031	0.407	0.536
					Back Side 15mm	0.250	0.191	0.441	0.110	0.677	0.051	0.551	1.169
ENDC_5A_n78A	LTE B5	ANT0	N78	ANT5	Front Side 15mm	0.108	0.146	0.254	0.078	0.176	0.031	0.332	0.461
					Back Side 15mm	0.147	0.191	0.338	0.110	0.677	0.051	0.448	1.066
ENDC_7A_n78A	LTE B7	ANT1	N78	ANT5	Front Side 15mm	0.210	0.146	0.356	0.078	0.176	0.031	0.434	0.563
					Back Side 15mm	0.272	0.191	0.463	0.110	0.677	0.051	0.573	1.191
ENDC_38A_n78A	LTE B38	ANT1	N78	ANT5	Front Side 15mm	0.152	0.146	0.298	0.078	0.176	0.031	0.376	0.505
					Back Side 15mm	0.188	0.191	0.379	0.110	0.677	0.051	0.489	1.107
ENDC_41A_n78A	LTE B41	ANT1	N78	ANT5	Front Side 15mm	0.147	0.146	0.293	0.078	0.176	0.031	0.371	0.500
					Back Side 15mm	0.193	0.191	0.384	0.110	0.677	0.051	0.494	1.112
ENDC_66A_n78A	LTE B66	ANT0	N78	ANT5	Front Side 15mm	0.188	0.146	0.334	0.078	0.176	0.031	0.412	0.541
					Back Side 15mm	0.265	0.191	0.456	0.110	0.677	0.051	0.566	1.184

Note:

1: The highest Summed 1g SAR is 1.212 W/Kg < 1.6 W/kg, so Simultaneous Transmission SAR test is not required.

12.2.11 Hotspot Simultaneous Transmission SAR Evaluation for ENDC Antenna with WLAN and Bluetooth

Band	ENDC	LTE	ENDC	NR	Position	Stand alone SAR						SUM SAR	
						ENDC	ENDC	1	2	3	4		
	LTE Band	Antenna	NR Band	Antenna		LTE	NR	LTE+NR (ENDC)	2.4G WIFI	Max. 5GWIFI	Bluetooth	Sum SAR （1+2）	Sum SAR （1+3+4）
ENDC_2A_n7A	LTE B2	ANT0	N7	ANT4	Front Side 10mm	0.300	0.203	0.503	0.151	0.127	0.054	0.654	0.684
					Back Side 10mm	0.427	0.448	0.875	0.240	0.409	0.080	1.115	1.364
					Left Edge 10mm	0.047	0.000	0.047	0.168	0.262	0.068	0.215	0.377
					Right Edge 10mm	0.064	0.057	0.121	0.000	0.000	0.000	0.121	0.121
					Top Edge 10mm	0.000	0.666	0.666	0.140	0.411	0.047	0.806	1.124
					Bottom Edge 10mm	0.596	0.000	0.596	0.000	0.000	0.000	0.596	0.596
ENDC_5A_n7A	LTE B5	ANT0	N7	ANT4	Front Side 10mm	0.169	0.203	0.372	0.151	0.127	0.054	0.523	0.553
					Back Side 10mm	0.263	0.448	0.711	0.240	0.409	0.080	0.951	1.200
					Left Edge 10mm	0.113	0.000	0.113	0.168	0.262	0.068	0.281	0.443
					Right Edge 10mm	0.058	0.057	0.115	0.000	0.000	0.000	0.115	0.115
					Top Edge 10mm	0.000	0.666	0.666	0.140	0.411	0.047	0.806	1.124
					Bottom Edge 10mm	0.176	0.000	0.176	0.000	0.000	0.000	0.176	0.176
ENDC_7A_n7A	LTE B7	ANT1	N7	ANT4	Front Side 10mm	0.322	0.203	0.525	0.151	0.127	0.054	0.676	0.706
					Back Side 10mm	0.430	0.448	0.878	0.240	0.409	0.080	1.118	1.367
					Left Edge 10mm	0.035	0.000	0.035	0.168	0.262	0.068	0.203	0.365
					Right Edge 10mm	0.302	0.057	0.359	0.000	0.000	0.000	0.359	0.359
					Top Edge 10mm	0.000	0.666	0.666	0.140	0.411	0.047	0.806	1.124
					Bottom Edge 10mm	0.185	0.000	0.185	0.000	0.000	0.000	0.185	0.185
ENDC_66A_n7A	LTE B66	ANT0	N7	ANT4	Front Side 10mm	0.387	0.203	0.590	0.151	0.127	0.054	0.741	0.771
					Back Side 10mm	0.464	0.448	0.912	0.240	0.409	0.080	1.152	1.401
					Left Edge 10mm	0.086	0.000	0.086	0.168	0.262	0.068	0.254	0.416
					Right Edge 10mm	0.080	0.057	0.137	0.000	0.000	0.000	0.137	0.137
					Top Edge 10mm	0.000	0.666	0.666	0.140	0.411	0.047	0.806	1.124
					Bottom Edge 10mm	0.785	0.000	0.785	0.000	0.000	0.000	0.785	0.785
ENDC_5A_n38A	LTE B5	ANT0	N38	ANT4	Front Side 10mm	0.169	0.169	0.338	0.151	0.127	0.054	0.489	0.519
					Back Side 10mm	0.263	0.430	0.693	0.240	0.409	0.080	0.933	1.182
					Left Edge 10mm	0.113	0.000	0.113	0.168	0.262	0.068	0.281	0.443
					Right Edge 10mm	0.058	0.054	0.112	0.000	0.000	0.000	0.112	0.112
					Top Edge 10mm	0.000	0.657	0.657	0.140	0.411	0.047	0.797	1.115
					Bottom Edge 10mm	0.176	0.000	0.176	0.000	0.000	0.000	0.176	0.176
ENDC_66A_n38A	LTE B66	ANT0	N38	ANT4	Front Side 10mm	0.387	0.169	0.556	0.151	0.127	0.054	0.707	0.737
					Back Side 10mm	0.464	0.430	0.894	0.240	0.409	0.080	1.134	1.383
					Left Edge 10mm	0.086	0.000	0.086	0.168	0.262	0.068	0.254	0.416
					Right Edge 10mm	0.080	0.054	0.134	0.000	0.000	0.000	0.134	0.134
					Top Edge 10mm	0.000	0.657	0.657	0.140	0.411	0.047	0.797	1.115
					Bottom Edge 10mm	0.785	0.000	0.785	0.000	0.000	0.000	0.785	0.785

ENDC_4A_n41A	LTE B4	ANT0	N41	ANT4	Front Side 10mm	0.330	0.215	0.545	0.151	0.127	0.054	0.696	0.726
					Back Side 10mm	0.447	0.442	0.889	0.240	0.409	0.080	1.129	1.378
					Left Edge 10mm	0.079	0.000	0.079	0.168	0.262	0.068	0.247	0.409
					Right Edge 10mm	0.060	0.080	0.140	0.000	0.000	0.000	0.140	0.140
					Top Edge 10mm	0.000	0.792	0.792	0.140	0.411	0.047	0.932	1.250
					Bottom Edge 10mm	0.723	0.000	0.723	0.000	0.000	0.000	0.723	0.723
ENDC_5A_n41A	LTE B5	ANT0	N41	ANT4	Front Side 10mm	0.169	0.215	0.384	0.151	0.127	0.054	0.535	0.565
					Back Side 10mm	0.263	0.442	0.705	0.240	0.409	0.080	0.945	1.194
					Left Edge 10mm	0.113	0.000	0.113	0.168	0.262	0.068	0.281	0.443
					Right Edge 10mm	0.058	0.080	0.138	0.000	0.000	0.000	0.138	0.138
					Top Edge 10mm	0.000	0.792	0.792	0.140	0.411	0.047	0.932	1.250
					Bottom Edge 10mm	0.176	0.000	0.176	0.000	0.000	0.000	0.176	0.176
ENDC_41A_n41A	LTE B41	ANT1	N41	ANT4	Front Side 10mm	0.282	0.215	0.497	0.151	0.127	0.054	0.648	0.678
					Back Side 10mm	0.342	0.442	0.784	0.240	0.409	0.080	1.024	1.273
					Left Edge 10mm	0.000	0.000	0.000	0.168	0.262	0.068	0.168	0.330
					Right Edge 10mm	0.279	0.080	0.359	0.000	0.000	0.000	0.359	0.359
					Top Edge 10mm	0.000	0.792	0.792	0.140	0.411	0.047	0.932	1.250
					Bottom Edge 10mm	0.186	0.000	0.186	0.000	0.000	0.000	0.186	0.186
ENDC_66A_n41A	LTE B66	ANT0	N41	ANT4	Front Side 10mm	0.387	0.215	0.602	0.151	0.127	0.054	0.753	0.783
					Back Side 10mm	0.464	0.442	0.906	0.240	0.409	0.080	1.146	1.395
					Left Edge 10mm	0.086	0.000	0.086	0.168	0.262	0.068	0.254	0.416
					Right Edge 10mm	0.080	0.080	0.160	0.000	0.000	0.000	0.160	0.160
					Top Edge 10mm	0.000	0.792	0.792	0.140	0.411	0.047	0.932	1.250
					Bottom Edge 10mm	0.785	0.000	0.785	0.000	0.000	0.000	0.785	0.785
ENDC_2A_n66A	LTE B2	ANT0	N66	ANT4	Front Side 10mm	0.300	0.207	0.507	0.151	0.127	0.054	0.658	0.688
					Back Side 10mm	0.427	0.286	0.713	0.240	0.409	0.080	0.953	1.202
					Left Edge 10mm	0.047	0.000	0.047	0.168	0.262	0.068	0.215	0.377
					Right Edge 10mm	0.064	0.096	0.160	0.000	0.000	0.000	0.160	0.160
					Top Edge 10mm	0.000	0.284	0.284	0.140	0.411	0.047	0.424	0.742
					Bottom Edge 10mm	0.596	0.000	0.596	0.000	0.000	0.000	0.596	0.596
ENDC_5A_n66A	LTE B5	ANT0	N66	ANT4	Front Side 10mm	0.169	0.207	0.376	0.151	0.127	0.054	0.527	0.557
					Back Side 10mm	0.263	0.286	0.549	0.240	0.409	0.080	0.789	1.038
					Left Edge 10mm	0.113	0.000	0.113	0.168	0.262	0.068	0.281	0.443
					Right Edge 10mm	0.058	0.096	0.154	0.000	0.000	0.000	0.154	0.154
					Top Edge 10mm	0.000	0.284	0.284	0.140	0.411	0.047	0.424	0.742
					Bottom Edge 10mm	0.176	0.000	0.176	0.000	0.000	0.000	0.176	0.176
ENDC_7A_n66A	LTE B7	ANT1	N66	ANT4	Front Side 10mm	0.322	0.207	0.529	0.151	0.127	0.054	0.680	0.710
					Back Side 10mm	0.430	0.286	0.716	0.240	0.409	0.080	0.956	1.205
					Left Edge 10mm	0.035	0.000	0.035	0.168	0.262	0.068	0.203	0.365
					Right Edge 10mm	0.302	0.096	0.398	0.000	0.000	0.000	0.398	0.398
					Top Edge 10mm	0.000	0.284	0.284	0.140	0.411	0.047	0.424	0.742
					Bottom Edge 10mm	0.185	0.000	0.185	0.000	0.000	0.000	0.185	0.185
ENDC_66A_n66A		ANT0	N66	ANT4	Front Side 10mm	0.387	0.207	0.594	0.151	0.127	0.054	0.745	0.775

	LTE B66				Back Side 10mm	0.464	0.286	0.750	0.240	0.409	0.080	0.990	1.239
					Left Edge 10mm	0.086	0.000	0.086	0.168	0.262	0.068	0.254	0.416
					Right Edge 10mm	0.080	0.096	0.176	0.000	0.000	0.000	0.176	0.176
					Top Edge 10mm	0.000	0.284	0.284	0.140	0.411	0.047	0.424	0.742
					Bottom Edge 10mm	0.785	0.000	0.785	0.000	0.000	0.000	0.785	0.785
ENDC_5A_n77A	LTE B5	ANT0	N77	ANT5	Front Side 10mm	0.169	0.310	0.479	0.151	0.127	0.054	0.630	0.660
					Back Side 10mm	0.263	0.494	0.757	0.240	0.409	0.080	0.997	1.246
					Left Edge 10mm	0.113	0.258	0.371	0.168	0.262	0.068	0.539	0.701
					Right Edge 10mm	0.058	0.000	0.058	0.000	0.000	0.000	0.058	0.058
					Top Edge 10mm	0.000	0.467	0.467	0.140	0.411	0.047	0.607	0.925
					Bottom Edge 10mm	0.176	0.000	0.176	0.000	0.000	0.000	0.176	0.176
ENDC_7A_n77A	LTE B7	ANT1	N77	ANT5	Front Side 10mm	0.322	0.310	0.632	0.151	0.127	0.054	0.783	0.813
					Back Side 10mm	0.430	0.494	0.924	0.240	0.409	0.080	1.164	1.413
					Left Edge 10mm	0.035	0.258	0.293	0.168	0.262	0.068	0.461	0.623
					Right Edge 10mm	0.302	0.000	0.302	0.000	0.000	0.000	0.302	0.302
					Top Edge 10mm	0.000	0.467	0.467	0.140	0.411	0.047	0.607	0.925
					Bottom Edge 10mm	0.185	0.000	0.185	0.000	0.000	0.000	0.185	0.185
ENDC_41A_n77A	LTE B41	ANT1	N77	ANT5	Front Side 10mm	0.282	0.310	0.592	0.151	0.127	0.054	0.743	0.773
					Back Side 10mm	0.342	0.494	0.836	0.240	0.409	0.080	1.076	1.325
					Left Edge 10mm	0.000	0.258	0.258	0.168	0.262	0.068	0.426	0.588
					Right Edge 10mm	0.279	0.000	0.279	0.000	0.000	0.000	0.279	0.279
					Top Edge 10mm	0.000	0.467	0.467	0.140	0.411	0.047	0.607	0.925
					Bottom Edge 10mm	0.186	0.000	0.186	0.000	0.000	0.000	0.186	0.186
ENDC_66A_n77A	LTE B66	ANT0	N77	ANT5	Front Side 10mm	0.387	0.310	0.697	0.151	0.127	0.054	0.848	0.878
					Back Side 10mm	0.464	0.494	0.958	0.240	0.409	0.080	1.198	**1.447**
					Left Edge 10mm	0.086	0.258	0.344	0.168	0.262	0.068	0.512	0.674
					Right Edge 10mm	0.080	0.000	0.080	0.000	0.000	0.000	0.080	0.080
					Top Edge 10mm	0.000	0.467	0.467	0.140	0.411	0.047	0.607	0.925
					Bottom Edge 10mm	0.785	0.000	0.785	0.000	0.000	0.000	0.785	0.785
ENDC_2A_n78A	LTE B2	ANT0	N78	ANT5	Front Side 10mm	0.300	0.170	0.470	0.151	0.127	0.054	0.621	0.651
					Back Side 10mm	0.427	0.312	0.739	0.240	0.409	0.080	0.979	1.228
					Left Edge 10mm	0.047	0.308	0.355	0.168	0.262	0.068	0.523	0.685
					Right Edge 10mm	0.064	0.000	0.064	0.000	0.000	0.000	0.064	0.064
					Top Edge 10mm	0.000	0.382	0.382	0.140	0.411	0.047	0.522	0.840
					Bottom Edge 10mm	0.596	0.000	0.596	0.000	0.000	0.000	0.596	0.596
ENDC_4A_n78A	LTE B4	ANT0	N78	ANT5	Front Side 10mm	0.330	0.170	0.500	0.151	0.127	0.054	0.651	0.681
					Back Side 10mm	0.447	0.312	0.759	0.240	0.409	0.080	0.999	1.248
					Left Edge 10mm	0.079	0.308	0.387	0.168	0.262	0.068	0.555	0.717
					Right Edge 10mm	0.060	0.000	0.060	0.000	0.000	0.000	0.060	0.060
					Top Edge 10mm	0.000	0.382	0.382	0.140	0.411	0.047	0.522	0.840
					Bottom Edge 10mm	0.723	0.000	0.723	0.000	0.000	0.000	0.723	0.723
ENDC_5A_n78A	LTE B5	ANT0	N78	ANT5	Front Side 10mm	0.169	0.170	0.339	0.151	0.127	0.054	0.490	0.520
					Back Side 10mm	0.263	0.312	0.575	0.240	0.409	0.080	0.815	1.064

					Left Edge 10mm	0.113	0.308	0.421	0.168	0.262	0.068	0.589	0.751
					Right Edge 10mm	0.058	0.000	0.058	0.000	0.000	0.000	0.058	0.058
					Top Edge 10mm	0.000	0.382	0.382	0.140	0.411	0.047	0.522	0.840
					Bottom Edge 10mm	0.176	0.000	0.176	0.000	0.000	0.000	0.176	0.176
ENDC_7A_n78A	LTE B7	ANT1	N78	ANT5	Front Side 10mm	0.322	0.170	0.492	0.151	0.127	0.054	0.643	0.673
					Back Side 10mm	0.430	0.312	0.742	0.240	0.409	0.080	0.982	1.231
					Left Edge 10mm	0.035	0.308	0.343	0.168	0.262	0.068	0.511	0.673
					Right Edge 10mm	0.302	0.000	0.302	0.000	0.000	0.000	0.302	0.302
					Top Edge 10mm	0.000	0.382	0.382	0.140	0.411	0.047	0.522	0.840
					Bottom Edge 10mm	0.185	0.000	0.185	0.000	0.000	0.000	0.185	0.185
ENDC_38A_n78A	LTE B38	ANT1	N78	ANT5	Front Side 10mm	0.242	0.170	0.412	0.151	0.127	0.054	0.563	0.593
					Back Side 10mm	0.296	0.312	0.608	0.240	0.409	0.080	0.848	1.097
					Left Edge 10mm	0.000	0.308	0.308	0.168	0.262	0.068	0.476	0.638
					Right Edge 10mm	0.243	0.000	0.243	0.000	0.000	0.000	0.243	0.243
					Top Edge 10mm	0.000	0.382	0.382	0.140	0.411	0.047	0.522	0.840
					Bottom Edge 10mm	0.156	0.000	0.156	0.000	0.000	0.000	0.156	0.156
ENDC_41A_n78A	LTE B41	ANT1	N78	ANT5	Front Side 10mm	0.282	0.170	0.452	0.151	0.127	0.054	0.603	0.633
					Back Side 10mm	0.342	0.312	0.654	0.240	0.409	0.080	0.894	1.143
					Left Edge 10mm	0.000	0.308	0.308	0.168	0.262	0.068	0.476	0.638
					Right Edge 10mm	0.279	0.000	0.279	0.000	0.000	0.000	0.279	0.279
					Top Edge 10mm	0.000	0.382	0.382	0.140	0.411	0.047	0.522	0.840
					Bottom Edge 10mm	0.186	0.000	0.186	0.000	0.000	0.000	0.186	0.186
ENDC_66A_n78A	LTE B66	ANT0	N78	ANT5	Front Side 10mm	0.387	0.170	0.557	0.151	0.127	0.054	0.708	0.738
					Back Side 10mm	0.464	0.312	0.776	0.240	0.409	0.080	1.016	1.265
					Left Edge 10mm	0.086	0.308	0.394	0.168	0.262	0.068	0.562	0.724
					Right Edge 10mm	0.080	0.000	0.080	0.000	0.000	0.000	0.080	0.080
					Top Edge 10mm	0.000	0.382	0.382	0.140	0.411	0.047	0.522	0.840
					Bottom Edge 10mm	0.785	0.000	0.785	0.000	0.000	0.000	0.785	0.785

Note:

1: The highest Summed 1g SAR is 1.447 W/Kg < 1.6 W/kg, so Simultaneous Transmission SAR test is not required.

13 TEST EQUIPMENTS LIST

Description	Manufacturer	Model	Serial No./Version	Cal. Date	Cal. Due
PC	Dell	N/A	N/A	N/A	N/A
Test Software	Speag	DASY6	16.0.0.116	N/A	N/A
750MHz Validation Dipole	Speag	D750V3	SN: 1208	2021/07/05	2024/07/05
835MHz Validation Dipole	Speag	D835V2	SN: 4d187	2021/05/17	2024/05/17
1750MHz Validation Dipole	Speag	D1750V2	SN: 1130	2021/05/17	2024/05/17
1900MHz Validation Dipole	Speag	D1900V2	SN: 5d193	2021/05/20	2024/05/20
2450MHz Validation Dipole	Speag	D2450V2	SN: 952	2021/05/19	2024/05/19
2600MHz Validation Dipole	Speag	D2600V2	SN: 1095	2021/05/19	2024/05/19
3500MHz Validation Dipole	Speag	D3500V2	SN: 1129	2021/07/07	2024/07/07
3700MHz Validation Dipole	Speag	D3700V2	SN: 1101	2021/07/07	2024/07/07
3900MHz Validation Dipole	Speag	D3900V2	SN: 1077	2021/07/07	2024/07/07
5GHz Validation Dipole	Speag	D5GHzV2	SN: 1200	2021/05/18	2024/05/18
E-Field Probe	Speag	EX3DV4	SN: 7607	2023/07/04	2024/07/04
Data Acquisition Electronicsr	Speag	DAE4	SN: 878	2023/03/23	2024/03/23
Signal Generator	R&S	SMB100A	177746	2023/05/10	2024/05/10
Power Meter	R&S	NRVD-B2	835843/014	2023/09/05	2024/09/05
Power Sensor	R&S	NRV-Z4	100381	2023/09/05	2024/09/05
Power Sensor	R&S	NRV-Z2	100211	2023/09/05	2024/09/05
Wireless Communication Test Set	Anritsu	MT8820C	6201144551	2023/06/29	2024/06/29
Network Analyzer	Agilent	E5071C	MY46103472	2023/11/14	2024/11/14
Thermometer	Elitech	RC-4	EF5238001628	2023/10/09	2024/10/09
Thermometer	Elitech	RC-4HC	EF7239002652	2023/11/17	2024/11/17
Power Amplifier	SATIMO	6552B	22374	N/A	N/A
Dielectric Probe Kit	Speag	DAK3.5	SN: 1312	N/A	N/A
Phantom	Speag	SAM	SN: 1859	N/A	N/A
Attenuator	COM-MW	ZA-S1-31	1305003187	N/A	N/A
Directional coupler	AA-MCS	AAMCS-UDC	000272	N/A	N/A
3900MHz Validation Dipole	Speag	D3900V2	SN: 1077	2021/07/07	2024/07/07

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 DAK3.5Dielectric 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 (%)
2024.01.04	Head	750	21.2	0.92	40.91	0.89	41.94	3.37	-2.46
2024.01.05	Head	750	21.4	0.91	40.82	0.89	41.94	2.25	-2.67
2024.01.06	Head	750	21.5	0.90	40.94	0.89	41.94	1.12	-2.38
2024.01.07	Head	835	21.6	0.88	42.28	0.90	41.50	-2.22	1.88
2024.01.08	Head	835	21.1	0.91	41.65	0.90	41.50	1.11	0.36
2024.01.09	Head	835	21.2	0.88	42.58	0.90	41.50	-2.22	2.60
2024.01.10	Head	835	21.6	0.90	41.08	0.90	41.50	0.00	-1.01
2024.01.11	Head	1750	21.3	1.39	39.90	1.37	40.08	1.46	-0.45
2024.01.12	Head	1750	21.6	1.41	38.75	1.37	40.08	2.92	-3.32
2024.01.13	Head	1750	21.2	1.37	40.27	1.37	40.08	0.00	0.47
2024.01.14	Head	1750	21.3	1.39	39.76	1.37	40.08	1.46	-0.80
2024.01.15	Head	1900	21.6	1.41	39.36	1.40	40.00	0.71	-1.60
2024.01.16	Head	1900	21.3	1.44	40.53	1.40	40.00	2.86	1.33
2024.01.17	Head	1900	21.0	1.45	38.74	1.40	40.00	3.57	-3.15
2024.01.18	Head	2450	21.5	1.86	39.18	1.80	39.20	3.33	-0.05
2024.01.19	Head	2450	21.1	1.85	39.13	1.80	39.20	2.78	-0.18
2024.01.20	Head	2600	21.2	2.00	38.46	1.96	39.01	2.04	-1.41
2024.01.21	Head	2600	21.4	1.99	38.27	1.96	39.01	1.53	-1.90
2024.01.22	Head	2600	21.5	1.96	38.72	1.96	39.01	0.00	-0.74
2024.01.23	Head	2600	21.2	2.03	38.56	1.96	39.01	3.57	-1.15
2024.01.24	Head	2600	21.5	1.97	39.87	1.96	39.01	0.51	2.20
2024.01.25	Head	2600	21.7	1.98	39.42	1.96	39.01	1.02	1.05
2024.02.04	Head	2600	21.3	2.01	38.36	1.96	39.01	2.35	-1.68
2024.02.05	Head	2600	21.1	1.94	38.57	1.96	39.01	-1.28	-1.13
2024.01.26	Head	3500	21.3	2.92	38.73	2.91	37.93	0.34	2.11
2024.01.27	Head	3500	21.5	2.98	37.45	2.91	37.93	2.51	-1.27
2024.02.01	Head	3500	21.2	2.81	38.18	2.91	37.93	-3.51	0.66
2024.02.02	Head	3500	21.5	2.90	37.93	2.91	37.93	-0.34	0.01
2024.02.03	Head	3500	21.3	2.91	37.31	2.91	37.93	-0.03	-1.64
2024.02.06	Head	3500	21.1	2.88	37.02	2.91	37.93	-1.13	-2.39
2024.02.07	Head	3500	21.5	2.92	38.72	2.91	37.93	0.48	2.08
2024.03.19	Head	3500	21.3	2.87	38.71	2.91	37.93	-1.37	2.06
2024.01.27	Head	3700	21.5	3.13	38.32	3.12	37.70	0.32	1.64

2024.02.01	Head	3700	21.2	3.02	37.45	3.12	37.70	-3.21	-0.66
2024.02.02	Head	3700	21.5	3.13	37.06	3.12	37.70	0.42	-1.71
2024.02.03	Head	3700	21.3	3.13	36.52	3.12	37.70	0.26	-3.14
2024.01.27	Head	3900	21.5	3.38	37.42	3.32	37.47	1.87	-0.12
2024.02.02	Head	3900	21.5	3.22	37.76	3.32	37.47	-2.95	0.77
2024.01.28	Head	5250	21.7	4.65	36.30	4.71	35.93	-1.19	1.03
2024.01.29	Head	5600	21.9	5.16	34.69	5.07	35.53	1.72	-2.36
2024.01.30	Head	5750	21.7	5.08	35.64	5.22	35.36	-2.62	0.80
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 (%)
2024.01.04	Head	750	100	0.87	8.66	8.51	1.76
2024.01.05	Head	750	100	0.87	8.72	8.51	2.47
2024.01.06	Head	750	100	0.87	8.68	8.51	2.00
2024.01.07	Head	835	100	0.98	9.83	9.76	0.72
2024.01.08	Head	835	100	0.99	9.85	9.76	0.92
2024.01.09	Head	835	100	0.97	9.72	9.76	-0.41
2024.01.10	Head	835	100	0.96	9.85	9.76	0.92
2024.01.11	Head	1750	100	3.68	36.80	36.70	0.27
2024.01.12	Head	1750	100	3.72	37.20	36.70	1.36
2024.01.13	Head	1750	100	3.71	37.10	36.70	1.09
2024.01.14	Head	1750	100	3.68	36.80	36.70	0.27
2024.01.15	Head	1900	100	4.23	42.30	40.30	4.96
2024.01.16	Head	1900	100	4.11	41.10	40.30	1.99
2024.01.17	Head	1900	100	4.12	41.20	40.30	2.23
2024.01.18	Head	2450	100	5.24	52.40	53.00	-1.13
2024.01.19	Head	2450	100	5.35	53.50	53.00	0.94
2024.01.20	Head	2600	100	5.77	57.70	56.80	1.58
2024.01.21	Head	2600	100	5.73	57.30	56.80	0.88
2024.01.22	Head	2600	100	5.85	58.50	56.80	2.99
2024.01.23	Head	2600	100	5.89	58.90	56.80	3.70
2024.01.24	Head	2600	100	5.88	58.80	56.80	3.52
2024.01.25	Head	2600	100	5.77	57.70	56.80	1.58
2024.02.04	Head	2600	100	5.75	57.50	56.80	1.23
2024.02.05	Head	2600	100	5.91	59.10	56.80	4.05
2024.01.26	Head	3500	100	6.82	68.20	67.30	1.34
2024.01.27	Head	3500	100	6.66	66.60	67.30	-1.04
2024.02.01	Head	3500	100	6.57	65.70	67.30	-2.38
2024.02.02	Head	3500	100	6.62	66.20	67.30	-1.63
2024.02.03	Head	3500	100	6.58	65.80	67.30	-2.23
2024.02.06	Head	3500	100	6.75	67.50	67.30	0.30
2024.02.07	Head	3500	100	6.65	66.50	67.30	-1.19
2024.03.19	Head	3500	100	6.64	66.50	67.30	-1.34
2024.01.27	Head	3700	100	6.65	66.50	67.70	-1.77
2024.02.01	Head	3700	100	6.95	69.50	67.70	2.66
2024.02.02	Head	3700	100	6.65	66.50	67.70	-1.77

2024.02.03	Head	3700	100	6.83	68.30	67.70	0.89
2024.01.27	Head	3900	100	6.85	68.50	69.60	-1.58
2024.02.02	Head	3900	100	6.95	69.50	69.60	-0.14
2024.01.28	Head	5250	100	7.74	77.40	77.80	-0.51
2024.01.29	Head	5600	100	7.74	77.40	81.20	-4.68
2024.01.30	Head	5750	100	7.91	79.10	77.20	2.46
Note: The tolerance limit of System validation ±10%.							

Head liquid 10g

Date	Freq. (MHz)	Power (mW)	Measured SAR (W/kg)	Normalized SAR (W/kg)	Dipole SAR (W/kg)	Tolerance (%)
2024.01.11	1750	100	1.92	19.20	19.10	0.52
2024.01.12	1750	100	1.99	19.90	19.10	4.19
2024.01.13	1750	100	1.88	18.80	19.10	-1.57
2024.01.14	1750	100	1.93	19.30	19.10	1.05
2024.01.15	1900	100	2.08	20.80	20.30	2.46
2024.01.16	1900	100	2.01	20.10	20.30	-0.99
2024.01.17	1900	100	2.08	20.80	20.30	2.46
2024.01.20	2600	100	2.57	25.70	24.80	3.63
2024.01.21	2600	100	2.64	26.40	24.80	6.45
2024.01.22	2600	100	2.56	25.60	24.80	3.23
2024.01.23	2600	100	2.58	25.80	24.80	4.03
2024.01.24	2600	100	2.57	25.70	24.80	3.63
2024.01.25	2600	100	2.49	24.90	24.80	0.40
2024.02.04	2600	100	2.43	24.30	24.80	-2.02
2024.02.05	2600	100	2.54	25.40	24.80	2.42
2024.01.27	3700	100	2.35	23.50	24.40	-3.69
2024.02.01	3700	100	2.42	24.20	24.40	-0.82
2024.02.02	3700	100	2.42	24.20	24.40	-0.82
2024.02.03	3700	100	2.47	24.70	24.40	1.23
2024.01.27	3900	100	2.31	23.10	24.10	-4.15
2024.02.02	3900	100	2.41	24.10	24.10	0.00
Note: The tolerance limit of System validation ±10%.						

System Performance Check Data (750MHz Head)

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	0.918	40.9	22.2	21.2

Hardware Setup

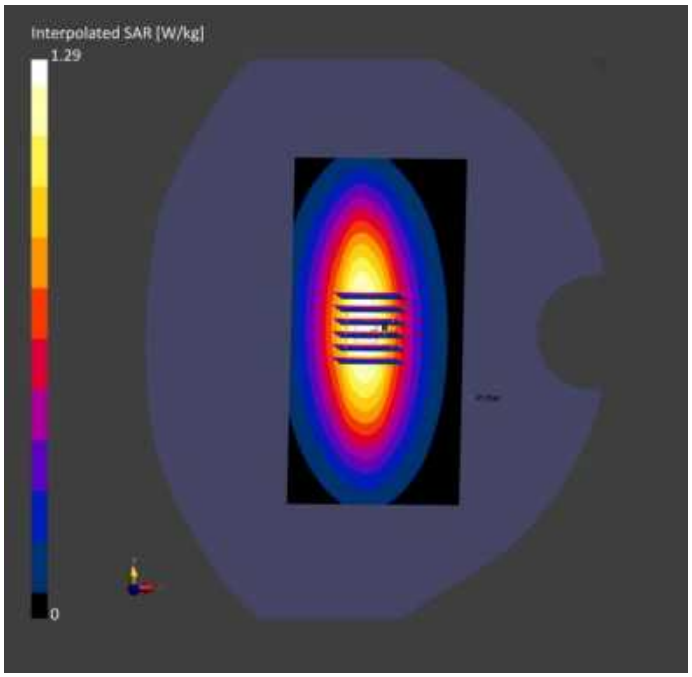
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-01-04	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 160.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 10.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-01-04	2024-01-04
psSAR1g [W/kg]	0.855	0.866
psSAR10g [W/kg]	0.561	0.565
Power Drift [dB]	-0.06	-0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		86.5
Dist 3dB Peak [mm]		20.2


Interpolated SAR [W/kg]
1.29
0

System Performance Check Data (750MHz Head)

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	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	0.906	40.8	22.1	21.4

Hardware Setup

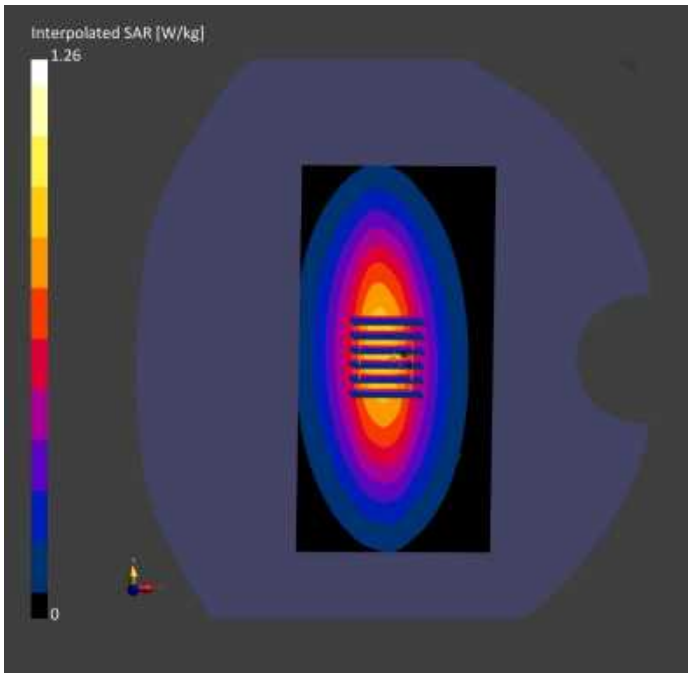
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-01-05	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 160.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 10.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-01-05	2024-01-05
psSAR1g [W/kg]	0.838	0.872
psSAR10g [W/kg]	0.552	0.583
Power Drift [dB]	-0.01	-0.11
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		86.4
Dist 3dB Peak [mm]		20.1


Interpolated SAR [W/kg]
1.26
0

System Performance Check Data (750MHz Head)

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	0.898	40.9	22.3	21.5

Hardware Setup

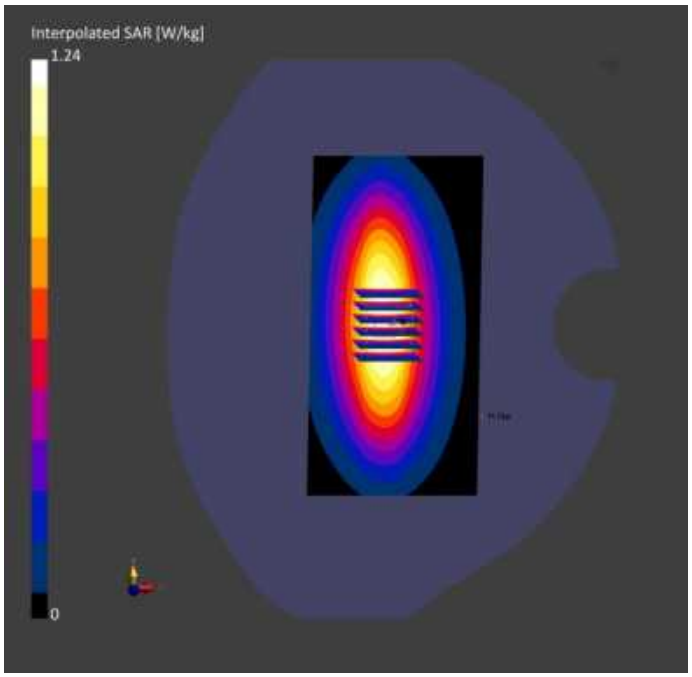
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-01-06	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 160.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 10.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-01-06	2024-01-06
psSAR1g [W/kg]	0.822	0.868
psSAR10g [W/kg]	0.544	0.559
Power Drift [dB]	-0.16	-0.04
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		87.5
Dist 3dB Peak [mm]		20.1


Interpolated SAR [W/kg]
1.24
0

System Performance Check Data (835MHz Head)

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	0.878	42.3	22.4	21.6

Hardware Setup

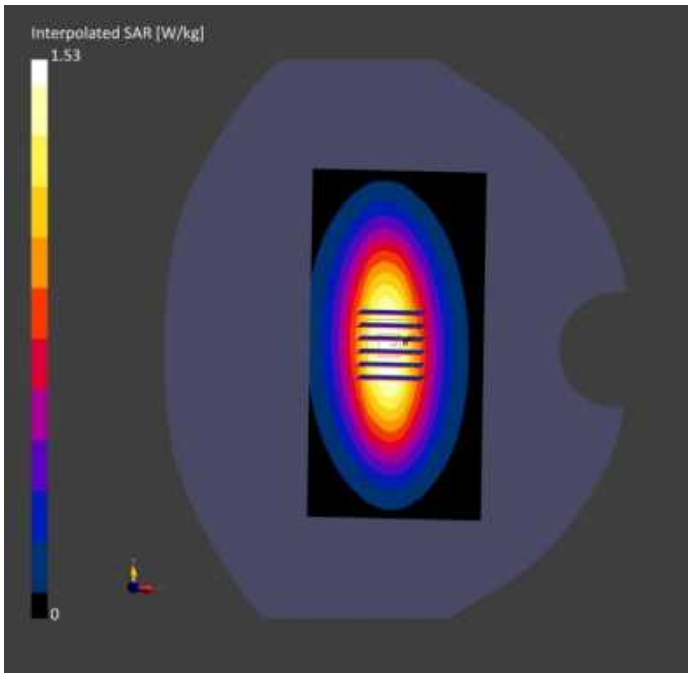
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-01-07	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 160.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 10.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-01-07	2024-01-07
psSAR1g [W/kg]	1.08	0.983
psSAR10g [W/kg]	0.645	0.644
Power Drift [dB]	-0.11	0.02
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		84.2
Dist 3dB Peak [mm]		13.1


Interpolated SAR [W/kg]
1.53
0

System Performance Check Data (835MHz Head)

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	0.905	41.6	22.2	21.1

Hardware Setup

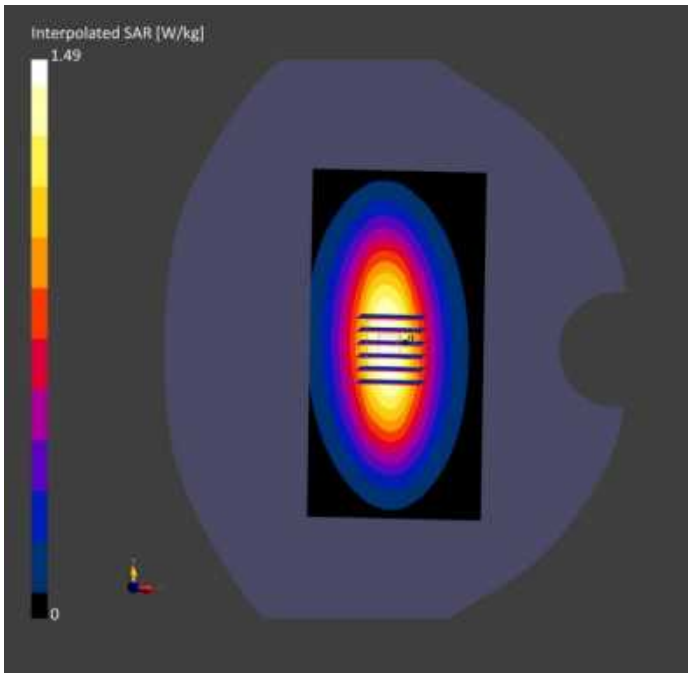
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-01-08	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 160.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 10.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-01-08	2024-01-08
psSAR1g [W/kg]	0.977	0.985
psSAR10g [W/kg]	0.633	0.656
Power Drift [dB]	-0.12	0.00
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		85.2
Dist 3dB Peak [mm]		13.1


Interpolated SAR [W/kg]
1.49
0

System Performance Check Data (835MHz Head)

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	0.881	42.6	22.3	21.2

Hardware Setup

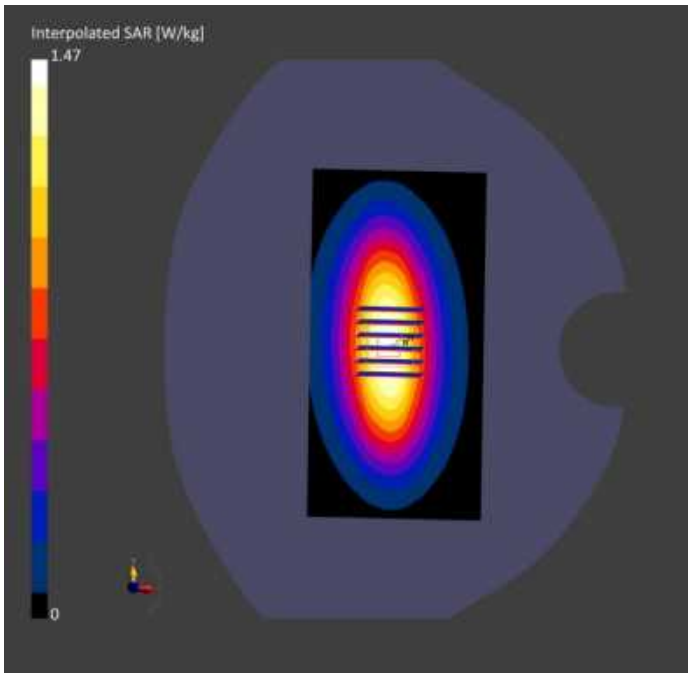
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-01-09	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 160.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 10.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-01-09	2024-01-09
psSAR1g [W/kg]	0.997	0.972
psSAR10g [W/kg]	0.656	0.638
Power Drift [dB]	-0.05	0.02
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		84.6
Dist 3dB Peak [mm]		13.1


Interpolated SAR [W/kg]
1.47
0

System Performance Check Data (835MHz Head)

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	0.901	41.1	22.4	21.6

Hardware Setup

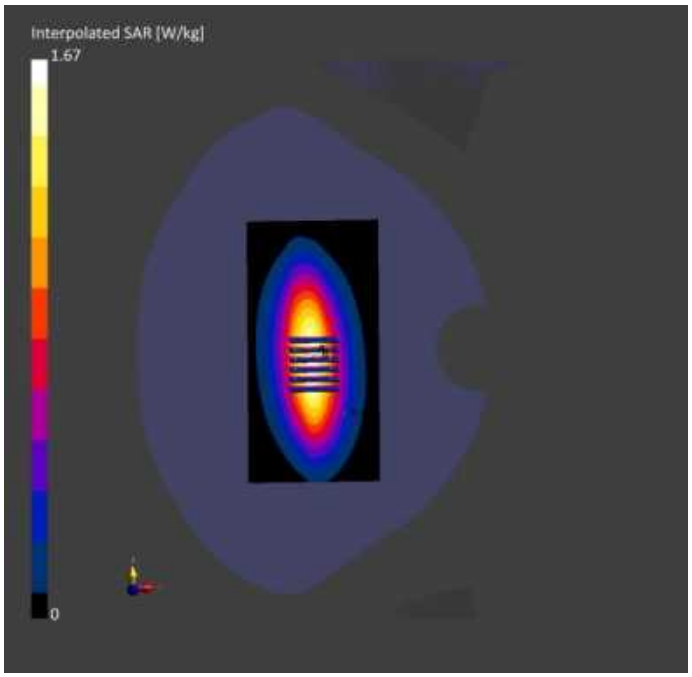
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-01-10	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 160.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 10.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-01-10	2024-01-10
psSAR1g [W/kg]	0.988	0.985
psSAR10g [W/kg]	0.655	0.644
Power Drift [dB]	-0.08	0.01
Power Scaling Scaling Factor [dB]	Disabled	Disabled
TSL Correction	No correction	No correction
M2/M1 [%]		84.7
Dist 3dB Peak [mm]		13.5


Interpolated SAR [W/kg]
1.67
0

System Performance Check Data (1750MHz Head)

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	1.39	39.9	22.1	21.3

Hardware Setup

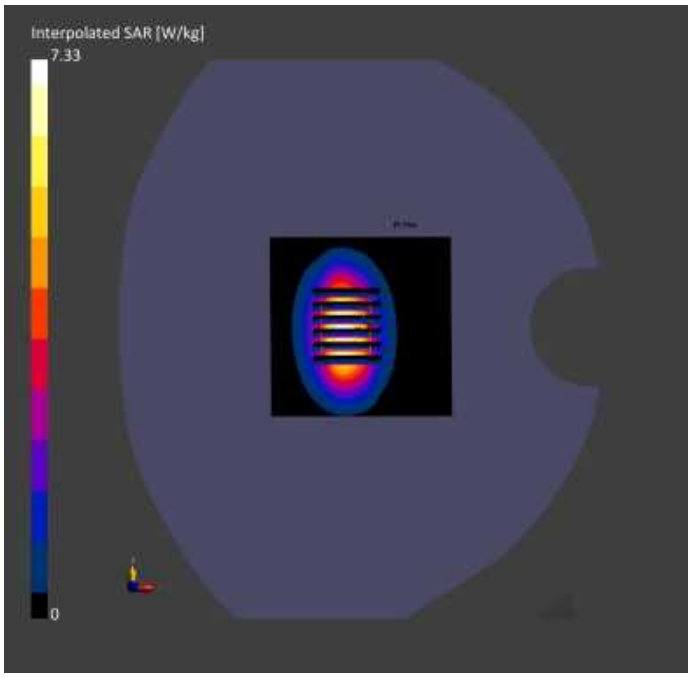
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-01-11	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 80.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 10.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-01-11	2024-01-11
psSAR1g [W/kg]	4.05	3.68
psSAR10g [W/kg]	2.28	1.92
Power Drift [dB]	-0.05	-0.01
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]
7.33
0

System Performance Check Data (1750MHz Head)

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	1.41	38.8	22.7	21.6

Hardware Setup

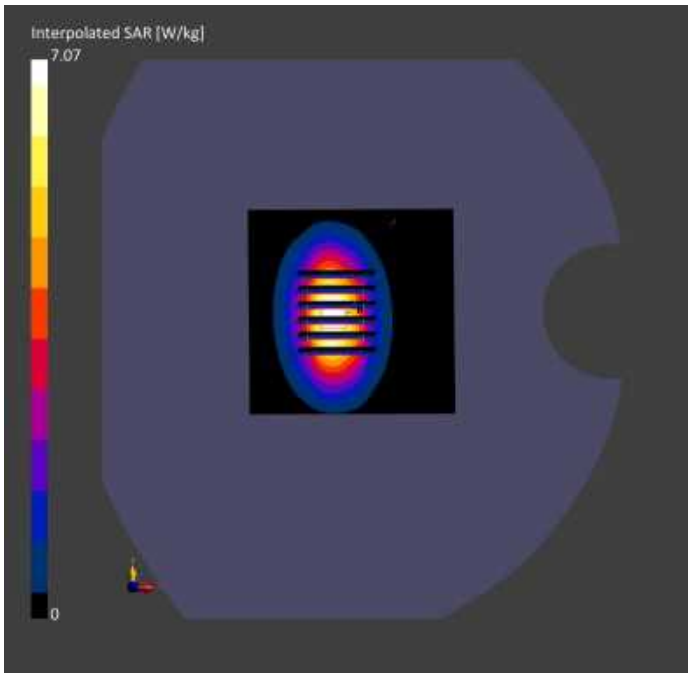
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-01-12	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 80.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 10.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-01-12	2024-01-12
psSAR1g [W/kg]	3.78	3.72
psSAR10g [W/kg]	2.10	1.99
Power Drift [dB]	-0.06	-0.05
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		81.1
Dist 3dB Peak [mm]		10.5


Interpolated SAR [W/kg]
7.07
0

System Performance Check Data (1750MHz Head)

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	40.3	22.5	21.2

Hardware Setup

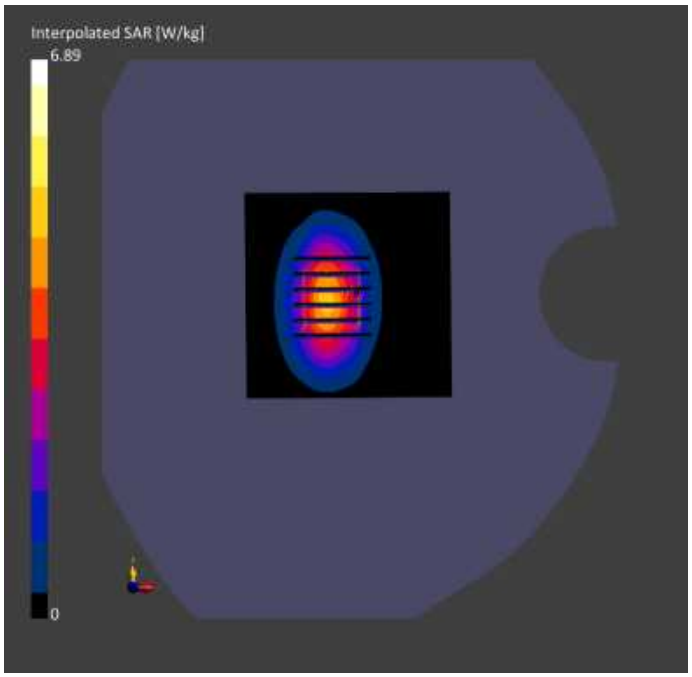
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-01-13	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 80.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 10.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-01-13	2024-01-13
psSAR1g [W/kg]	3.88	3.71
psSAR10g [W/kg]	2.24	1.88
Power Drift [dB]	-0.08	-0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		81.4
Dist 3dB Peak [mm]		10.5


Interpolated SAR [W/kg]
6.89
0

System Performance Check Data (1750MHz Head)

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	1.39	39.8	22.1	21.3

Hardware Setup

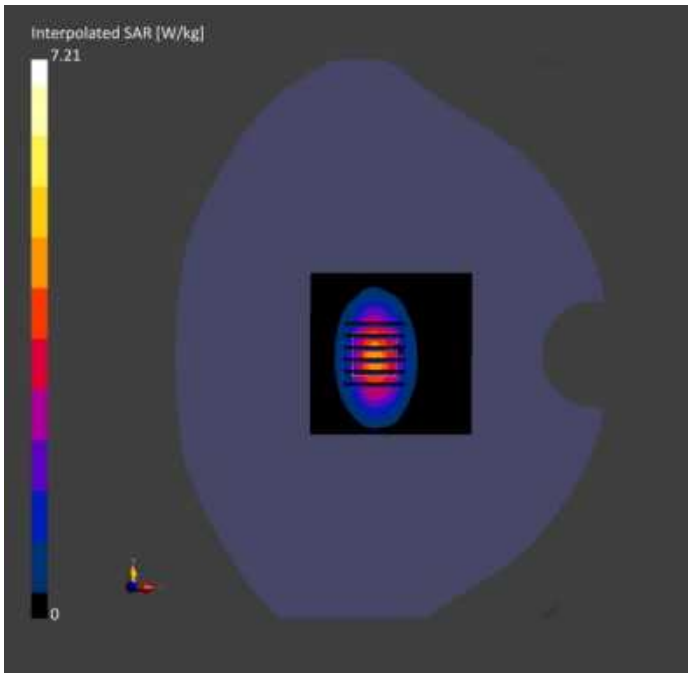
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-01-14	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 80.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 10.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-01-14	2024-01-14
psSAR1g [W/kg]	4.15	3.68
psSAR10g [W/kg]	2.18	1.93
Power Drift [dB]	-0.02	-0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		81.4
Dist 3dB Peak [mm]		10.6


Interpolated SAR [W/kg]
7.21
0

System Performance Check Data (1900MHz Head)

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		D1900	CW, 0--	1900.0, 50	7.98	1.41	39.4	22.4	21.6

Hardware Setup

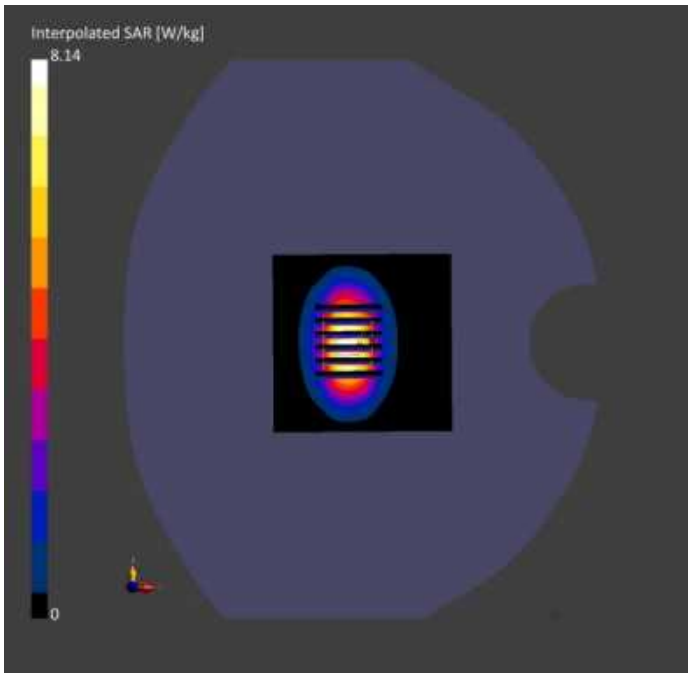
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-01-15	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 80.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 10.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-01-15	2024-01-15
psSAR1g [W/kg]	4.54	4.23
psSAR10g [W/kg]	2.38	2.08
Power Drift [dB]	-0.12	-0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		81.5
Dist 3dB Peak [mm]		9.2


Interpolated SAR [W/kg]
8.14
0

System Performance Check Data (1900MHz Head)

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		D1900	CW, 0--	1900.0, 50	7.98	1.44	40.5	22.2	21.3

Hardware Setup

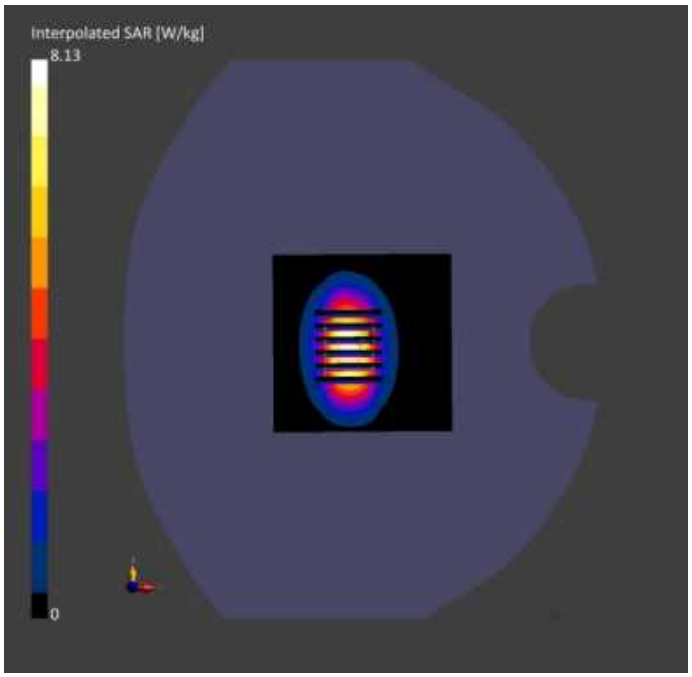
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-01-16	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 80.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 10.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-01-16	2024-01-16
psSAR1g [W/kg]	4.11	4.11
psSAR10g [W/kg]	2.25	2.01
Power Drift [dB]	-0.01	-0.05
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		81.8
Dist 3dB Peak [mm]		9.9


Interpolated SAR [W/kg]
8.13
0

System Performance Check Data (1900MHz Head)

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		D1900	CW, 0--	1900.0, 50	7.98	1.45	38.7	22.7	21.0

Hardware Setup

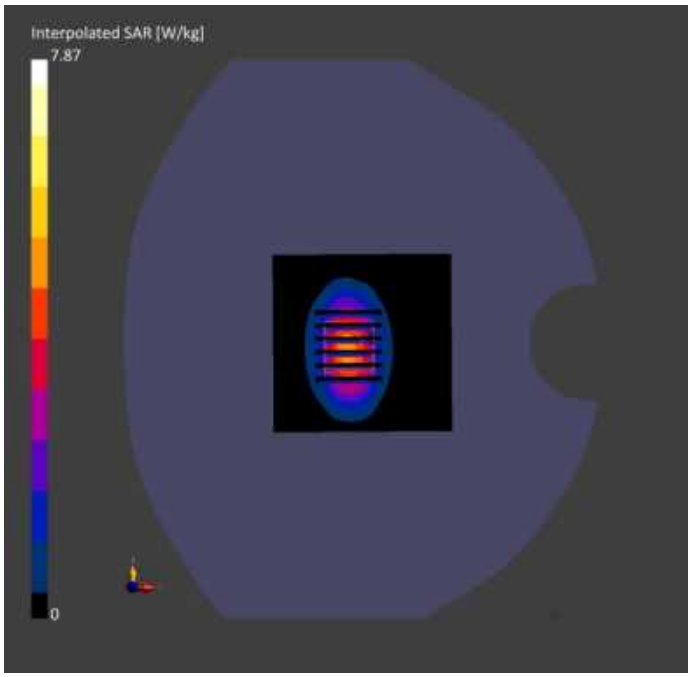
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-01-17	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 80.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 10.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-01-17	2024-01-17
psSAR1g [W/kg]	4.01	4.12
psSAR10g [W/kg]	2.15	2.08
Power Drift [dB]	-0.05	0.15
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		82.4
Dist 3dB Peak [mm]		9.1


Interpolated SAR [W/kg]
7.87
0

System Performance Check Data (2450MHz Head)

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	FRONT, 5.00	D2450	CW, 0--	2450.0, 50	7.47	1.86	39.2	22.3	21.5

Hardware Setup

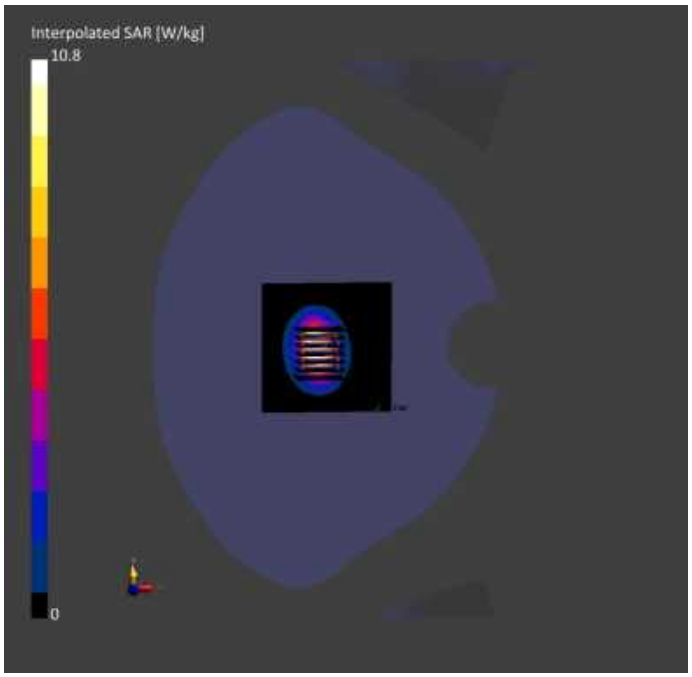
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-01-18	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 80.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 10.0	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	2024-01-18	2024-01-18
psSAR1g [W/kg]	5.46	5.24
psSAR10g [W/kg]	2.54	2.48
Power Drift [dB]	-0.12	-0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		81.5
Dist 3dB Peak [mm]		9.2


Interpolated SAR [W/kg]
10.8
0

System Performance Check Data (2450MHz Head)

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, 2450	7.47	1.85	39.1	22.3	21.1

Hardware Setup

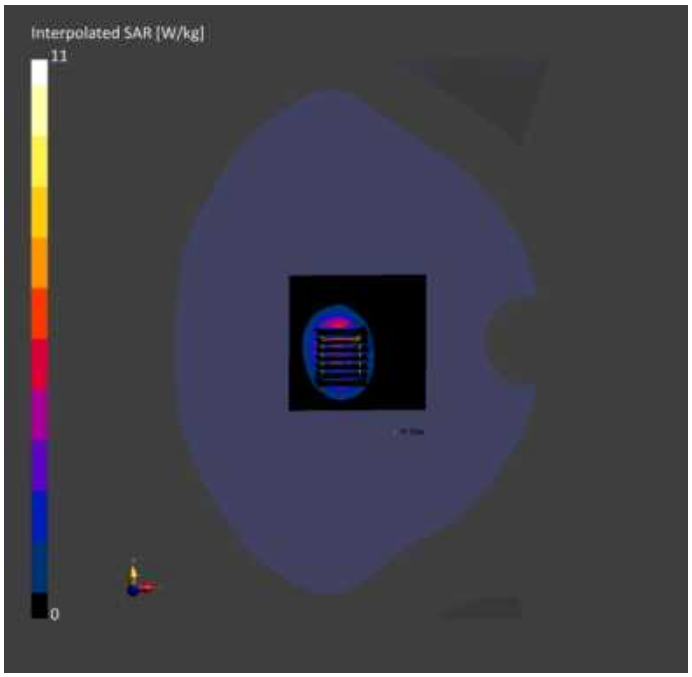
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-01-19	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 80.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 10.0	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	2024-01-19	2024-01-19
psSAR1g [W/kg]	5.34	5.35
psSAR10g [W/kg]	2.45	2.53
Power Drift [dB]	-0.02	0.12
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		80.1
Dist 3dB Peak [mm]		8.5


Interpolated SAR [W/kg]
11
0

System Performance Check Data (2600MHz Head)

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		CD2600 V3	CW, 0--	2600.0, 50	7.41	2.00	38.5	22.6	21.2

Hardware Setup

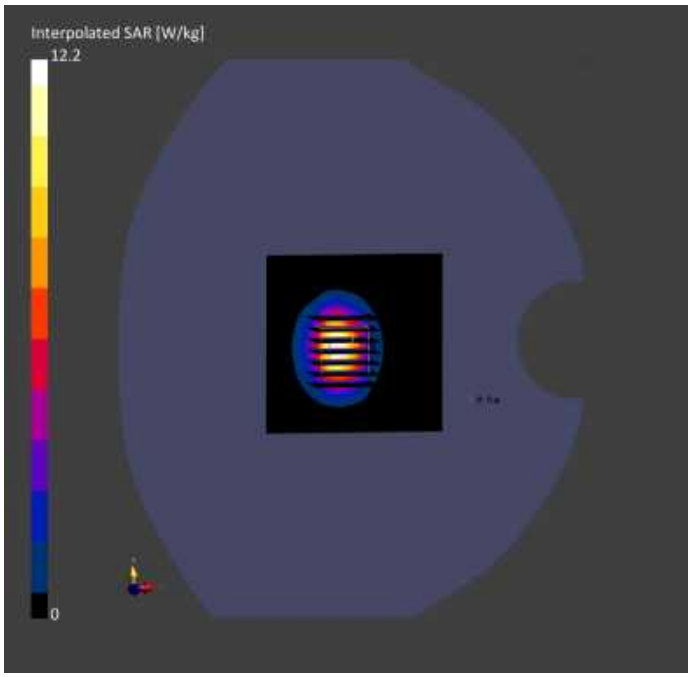
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-01-20	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 80.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-01-20	2024-01-20
psSAR1g [W/kg]	5.81	5.77
psSAR10g [W/kg]	2.56	2.57
Power Drift [dB]	0.01	-0.02
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		79.6
Dist 3dB Peak [mm]		9.1


Interpolated SAR [W/kg]
12.2
0

System Performance Check Data (2600MHz Head)

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		CD2600 V3	CW, 0--	2600.0, 50	7.41	1.99	38.3	22.7	21.4

Hardware Setup

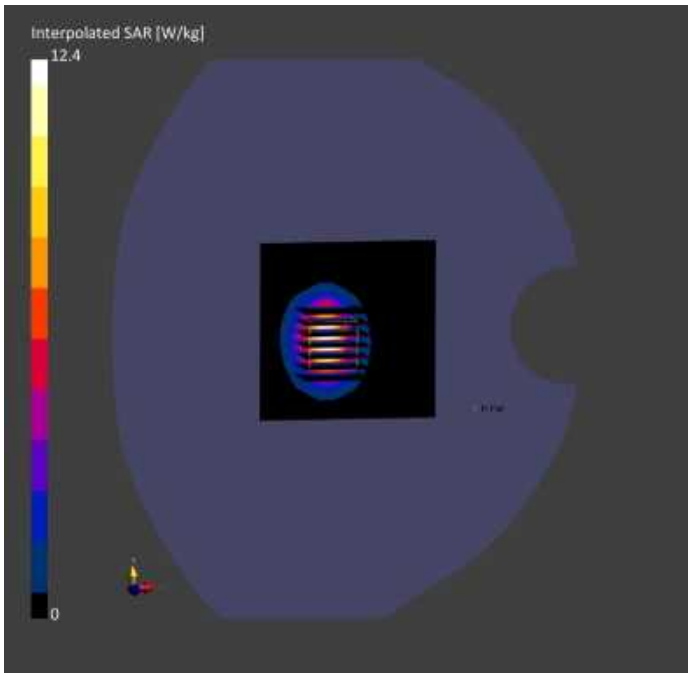
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-01-21	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 80.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-01-21	2024-01-21
psSAR1g [W/kg]	5.77	5.73
psSAR10g [W/kg]	2.52	2.64
Power Drift [dB]	0.00	0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		80.2
Dist 3dB Peak [mm]		8.5


Interpolated SAR [W/kg]
12.4
0

System Performance Check Data (2600MHz Head)

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		CD2600 V3	CW, 0--	2600.0, 50	7.41	1.96	38.7	22.6	21.5

Hardware Setup

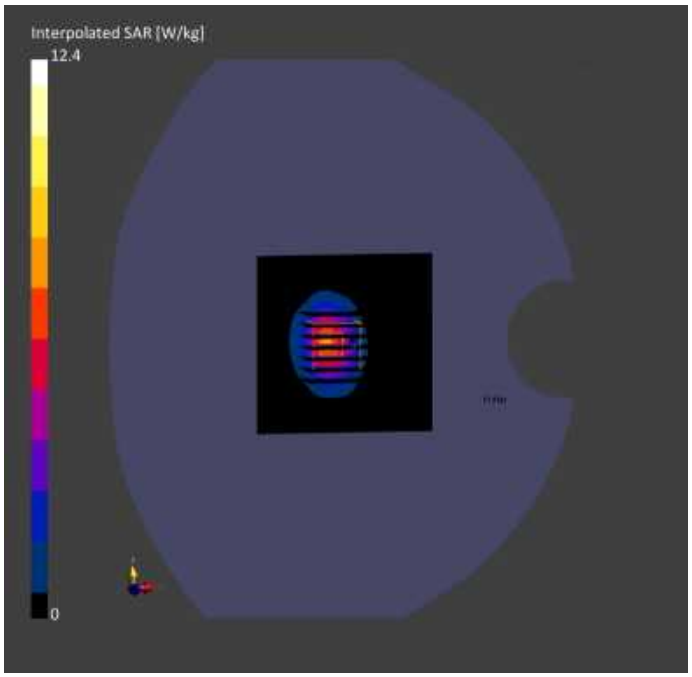
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-01-22	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 80.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-01-22	2024-01-22
psSAR1g [W/kg]	5.78	5.85
psSAR10g [W/kg]	2.57	2.56
Power Drift [dB]	0.01	0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		79.3
Dist 3dB Peak [mm]		9.4


Interpolated SAR [W/kg]
12.4
0

System Performance Check Data (2600MHz Head)

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		CD2600 V3	CW, 0--	2600.0, 50	7.41	2.03	38.6	22.3	21.2

Hardware Setup

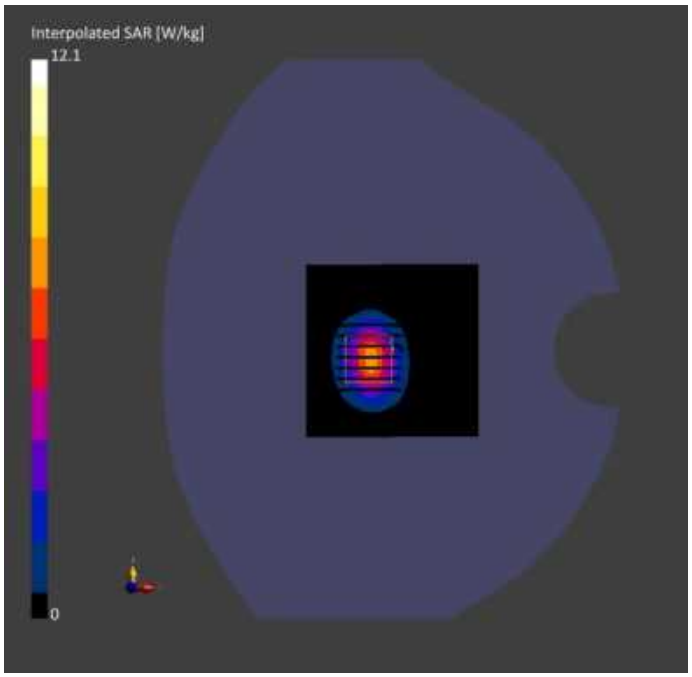
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-01-23	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 80.0	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	2024-01-23	2024-01-23
psSAR1g [W/kg]	5.78	5.89
psSAR10g [W/kg]	2.48	2.58
Power Drift [dB]	0.10	-0.13
Power Scaling Scaling Factor [dB]	Disabled	Disabled
TSL Correction	No correction	No correction
M2/M1 [%]		80.5
Dist 3dB Peak [mm]		9.4


Interpolated SAR [W/kg]
12.1
0

System Performance Check Data (2600MHz Head)

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		CD2600 V3	CW, 0--	2600.0, 50	7.41	1.97	39.9	22.1	21.5

Hardware Setup

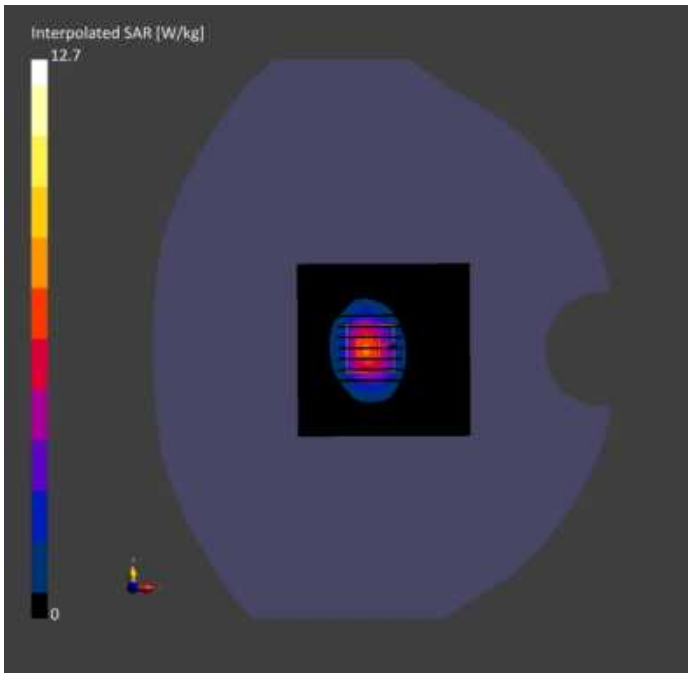
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-01-24	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 80.0	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	2024-01-24	2024-01-24
psSAR1g [W/kg]	5.78	5.88
psSAR10g [W/kg]	2.67	2.57
Power Drift [dB]	0.00	0.14
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		79.7
Dist 3dB Peak [mm]		8.4


Interpolated SAR [W/kg]
12.7
0

System Performance Check Data (2600MHz Head)

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		CD2600 V3	CW, 0--	2600.0, 50	7.41	1.98	39.4	22.4	21.7

Hardware Setup

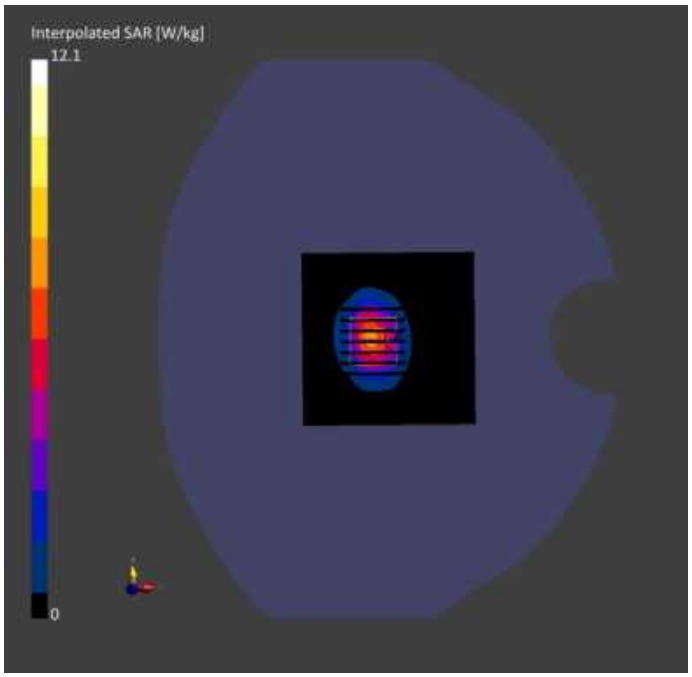
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-01-25	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 80.0	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	2024-01-25	2024-01-25
psSAR1g [W/kg]	5.85	5.77
psSAR10g [W/kg]	2.71	2.49
Power Drift [dB]	0.01	0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		80.4
Dist 3dB Peak [mm]		9.7


Interpolated SAR [W/kg]
12.1
0

System Performance Check Data (2600MHz Head)

Device under Test Properties

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

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL		CD2600V2	CW, 0--	2600.0, 50	7.41	2.01	38.4	22.6	21.3

Hardware Setup

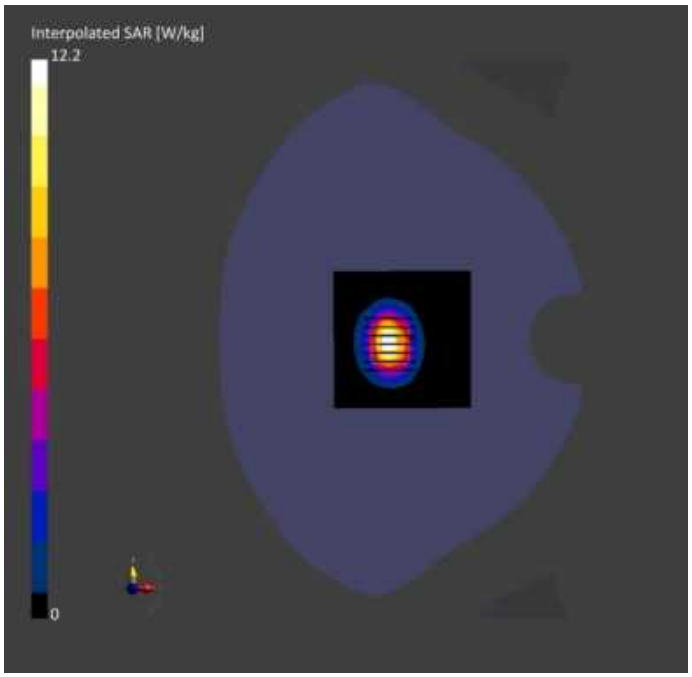
Phantom	TSL, Measured Date		Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000	2024-02-04	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 80.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-02-04	2024-02-04
psSAR1g [W/kg]	5.68	5.75
psSAR10g [W/kg]	2.39	2.43
Power Drift [dB]	-0.07	-0.06
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		81.8
Dist 3dB Peak [mm]		10.3


Interpolated SAR [W/kg]
12.2
0

System Performance Check Data (2600MHz Head)

Device under Test Properties

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

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL		CD2600V2	CW, 0--	2600.0, 50	7.41	1.94	38.6	22.4	21.1

Hardware Setup

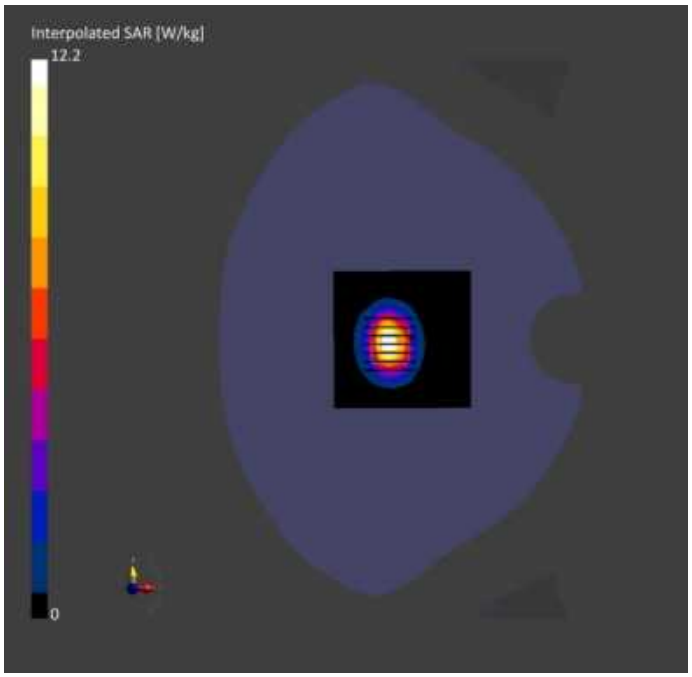
Phantom	TSL, Measured Date		Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000	2024-02-05	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 80.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-02-05	2024-02-05
psSAR1g [W/kg]	5.85	5.91
psSAR10g [W/kg]	2.49	2.54
Power Drift [dB]	0.11	0.14
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		82.3
Dist 3dB Peak [mm]		9.8


Interpolated SAR [W/kg]
12.2
0

System Performance Check Data (3500MHz Head)

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
CD3500V2, 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		CD3500 V2	CW, 0--	3500.0, 3500000	6.70	2.92	38.7	22.2	21.3

Hardware Setup

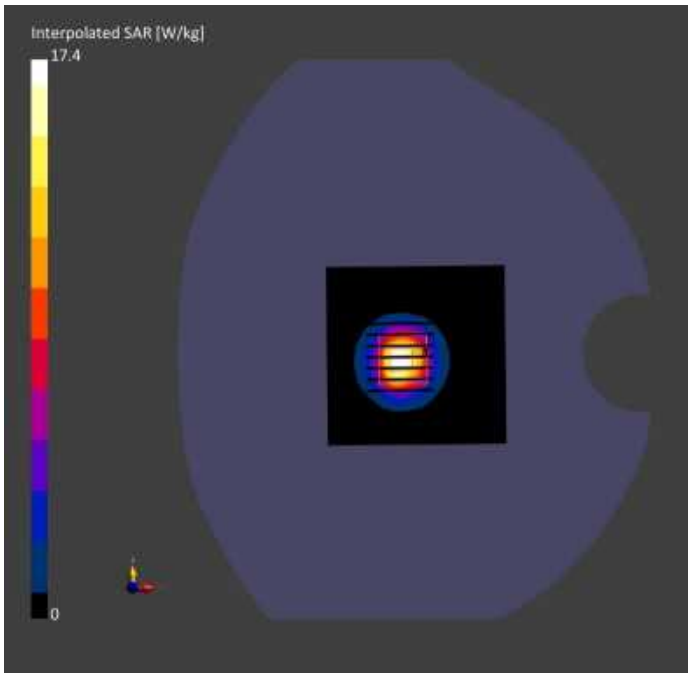
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-01-26	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 80.0	28.0 x 28.0 x 28.0
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 1.4
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	All points	All points
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-01-26	2024-01-26
psSAR1g [W/kg]	6.39	6.82
psSAR10g [W/kg]	2.56	2.57
Power Drift [dB]	-0.07	0.01
Power Scaling Scaling Factor [dB]	Disabled	Disabled
TSL Correction	No correction	No correction
M2/M1 [%]		75.7
Dist 3dB Peak [mm]		8.5


Interpolated SAR [W/kg]
17.4
0

System Performance Check Data (3500MHz Head)

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
CD3300V2, 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		CD3500 V2	CW, 0--	3500.0, 3500000	6.70	2.98	37.4	22.6	21.5

Hardware Setup

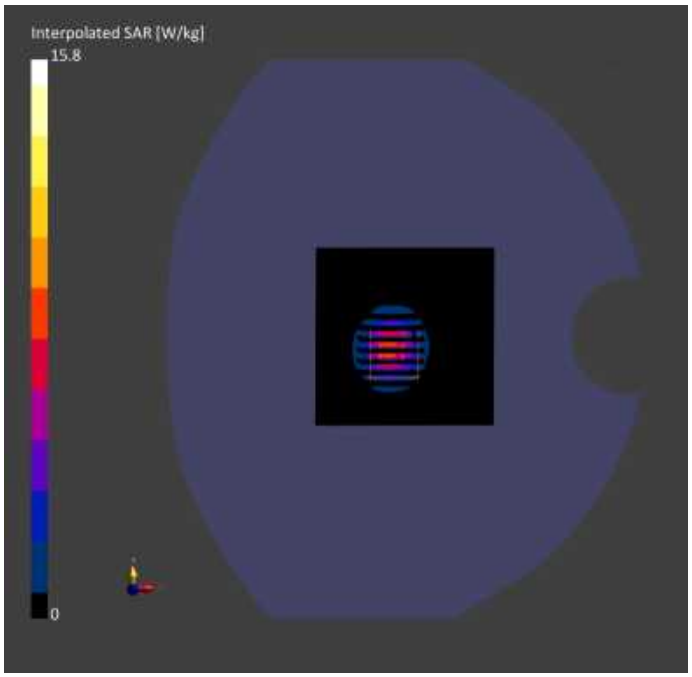
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-01-27	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 80.0	28.0 x 28.0 x 28.0
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 1.4
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	All points	All points
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-01-27	2024-01-27
psSAR1g [W/kg]	5.96	6.66
psSAR10g [W/kg]	2.42	2.48
Power Drift [dB]	-0.05	0.00
Power Scaling Scaling Factor [dB]	Disabled	Disabled
TSL Correction	No correction	No correction
M2/M1 [%]		77.1
Dist 3dB Peak [mm]		8.2


Interpolated SAR [W/kg]
15.8
0

System Performance Check Data (3500MHz Head)

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
CD3300V2, 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		CD3500 V2	CW, 0--	3500.0, 3500000	6.70	2.81	38.2	22.3	21.2

Hardware Setup

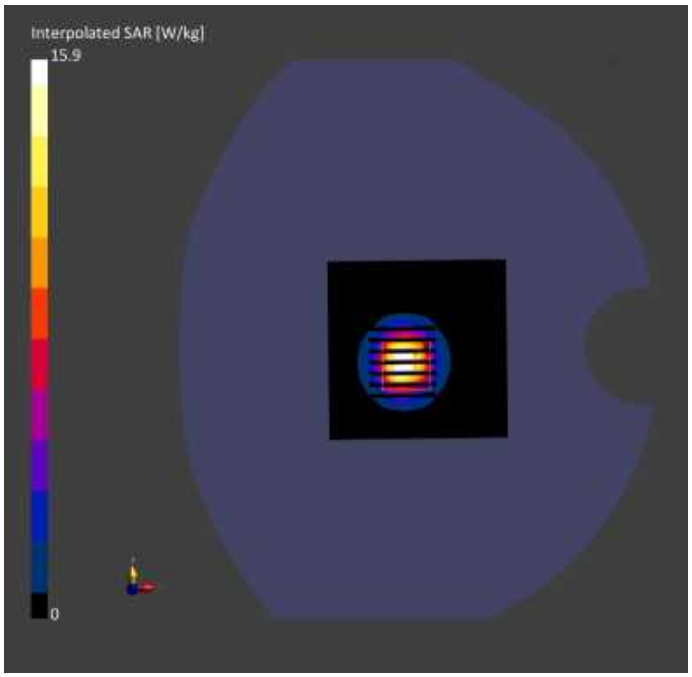
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-02-01	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 80.0	28.0 x 28.0 x 28.0
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 1.4
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	All points	All points
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-02-01	2024-02-01
psSAR1g [W/kg]	6.12	6.57
psSAR10g [W/kg]	2.49	2.55
Power Drift [dB]	0.00	0.01
Power Scaling Scaling Factor [dB]	Disabled	Disabled
TSL Correction	No correction	No correction
M2/M1 [%]		77.9
Dist 3dB Peak [mm]		8.5


Interpolated SAR [W/kg]
15.9
0

System Performance Check Data (3500MHz Head)

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
CD3500V2, 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		CD3500 V2	CW, 0--	3500.0, 3500000	6.70	2.90	37.9	22.6	21.5

Hardware Setup

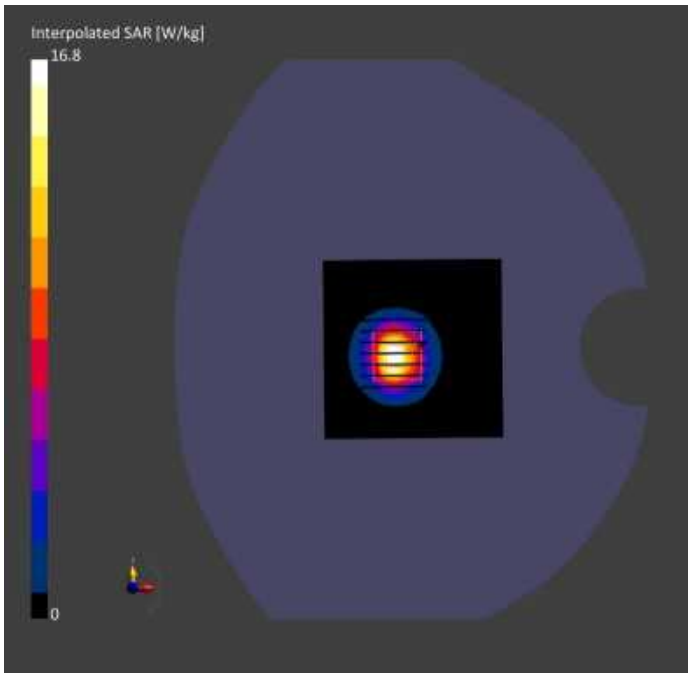
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-02-02	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 80.0	28.0 x 28.0 x 28.0
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 1.4
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	All points	All points
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-02-02	2024-02-02
psSAR1g [W/kg]	6.42	6.62
psSAR10g [W/kg]	2.46	2.51
Power Drift [dB]	-0.03	-0.05
Power Scaling Scaling Factor [dB]	Disabled	Disabled
TSL Correction	No correction	No correction
M2/M1 [%]		73.5
Dist 3dB Peak [mm]		8.8


Interpolated SAR [W/kg]
16.8
0

System Performance Check Data (3500MHz Head)

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
CD3500V2, 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		CD3500 V2	CW, 0--	3500.0, 3500000	6.70	2.91	37.3	22.5	21.3

Hardware Setup

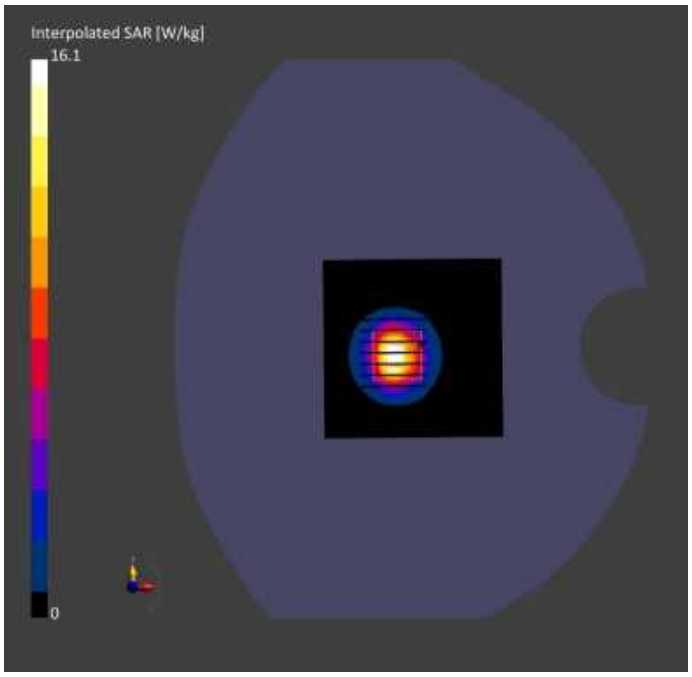
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-02-03	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 80.0	28.0 x 28.0 x 28.0
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 1.4
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	All points	All points
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-02-03	2024-02-03
psSAR1g [W/kg]	6.35	6.58
psSAR10g [W/kg]	2.36	2.39
Power Drift [dB]	0.03	0.05
Power Scaling Scaling Factor [dB]	Disabled	Disabled
TSL Correction	No correction	No correction
M2/M1 [%]		73.3
Dist 3dB Peak [mm]		8.1


Interpolated SAR [W/kg]
16.1
0

System Performance Check Data (3500MHz Head)

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
CD3500V2, 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		CD3500 V2	CW, 0--	3500.0, 3500000	6.70	2.88	37.0	22.5	21.1

Hardware Setup

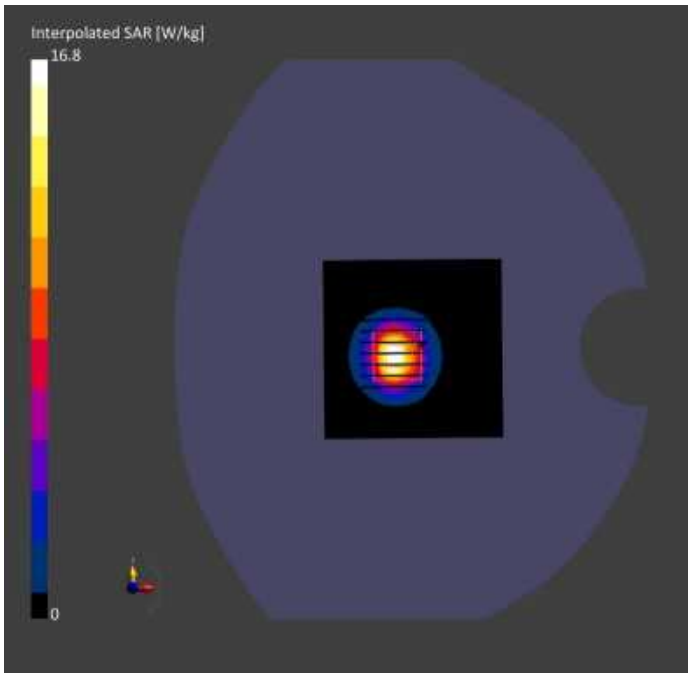
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-02-06	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 80.0	28.0 x 28.0 x 28.0
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 1.4
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	All points	All points
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-02-06	2024-02-06
psSAR1g [W/kg]	6.31	6.75
psSAR10g [W/kg]	2.48	2.48
Power Drift [dB]	-0.07	0.01
Power Scaling Scaling Factor [dB]	Disabled	Disabled
TSL Correction	No correction	No correction
M2/M1 [%]		75.8
Dist 3dB Peak [mm]		8.5


Interpolated SAR [W/kg]
16.8
0

System Performance Check Data (3500MHz Head)

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
CD3500V2, 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		CD3500 V2	CW, 0--	3500.0, 3500000	6.70	2.92	38.7	22.4	21.5

Hardware Setup

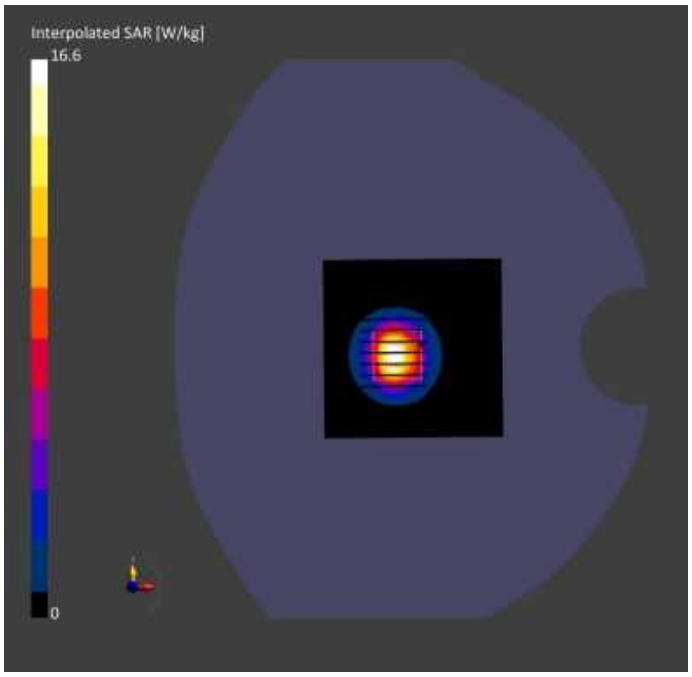
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-02-07	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 80.0	28.0 x 28.0 x 28.0
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 1.4
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	All points	All points
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-02-07	2024-02-07
psSAR1g [W/kg]	6.52	6.65
psSAR10g [W/kg]	2.41	2.46
Power Drift [dB]	-0.08	-0.04
Power Scaling Scaling Factor [dB]	Disabled	Disabled
TSL Correction	No correction	No correction
M2/M1 [%]		74.5
Dist 3dB Peak [mm]		8.2


Interpolated SAR [W/kg]
16.6
0

System Performance Check Data (3500MHz Head)

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
CD3500V2, 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		CD3500 V2	CW, 0--	3500.0, 3500000	6.70	2.87	38.7	22.5	21.3

Hardware Setup

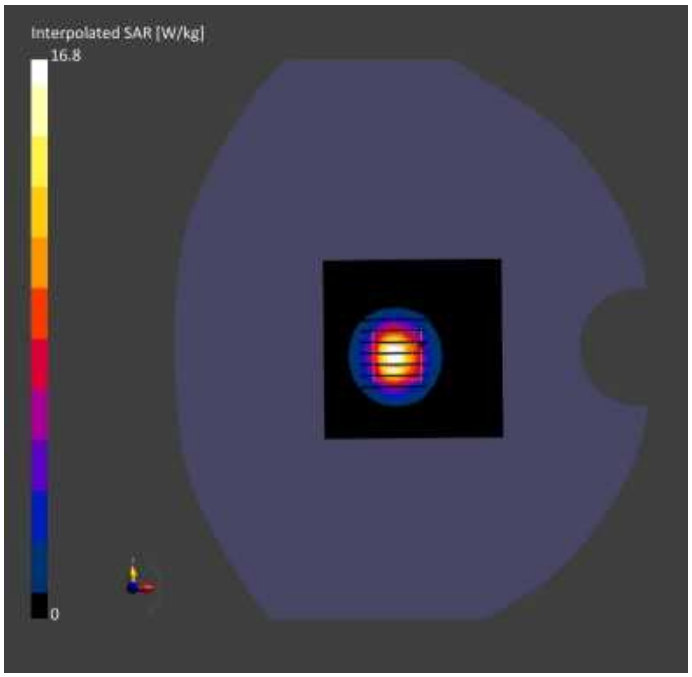
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-03-19	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 80.0	28.0 x 28.0 x 28.0
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 1.4
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	All points	All points
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-03-19	2024-03-19
psSAR1g [W/kg]	6.51	6.64
psSAR10g [W/kg]	2.48	2.56
Power Drift [dB]	0.05	0.03
Power Scaling Scaling Factor [dB]	Disabled	Disabled
TSL Correction	No correction	No correction
M2/M1 [%]		74.6
Dist 3dB Peak [mm]		8.7


Interpolated SAR [W/kg]
16.8
0

System Performance Check Data (3700MHz Head)

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
CD3370V2, 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		CD3700 V2	CW, 0--	3700.0, 3700000	6.57	3.13	38.5	22.6	21.5

Hardware Setup

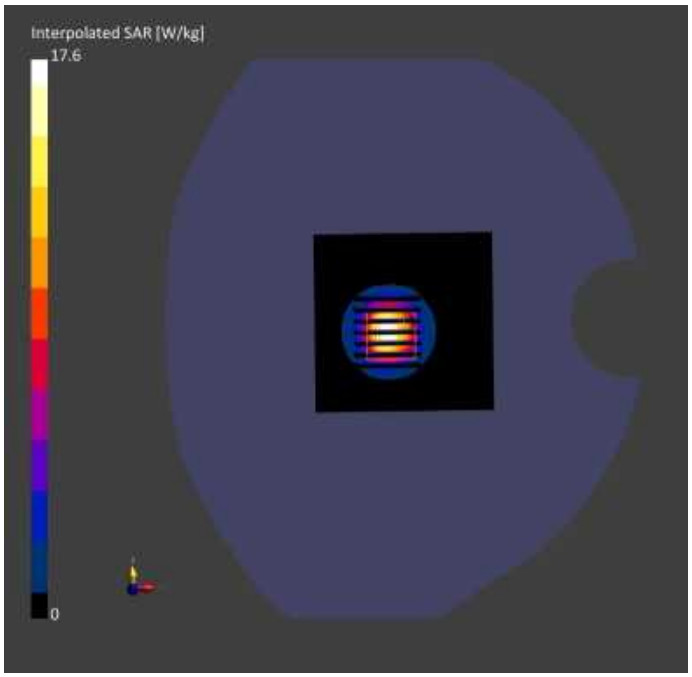
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-01-27	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 80.0	28.0 x 28.0 x 28.0
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 1.4
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	All points	All points
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-01-27	2024-01-27
psSAR1g [W/kg]	6.26	6.65
psSAR10g [W/kg]	2.44	2.35
Power Drift [dB]	0.01	0.00
Power Scaling Scaling Factor [dB]	Disabled	Disabled
TSL Correction	No correction	No correction
M2/M1 [%]		75.3
Dist 3dB Peak [mm]		8.2


Interpolated SAR [W/kg]
17.6
0

System Performance Check Data (3700MHz Head)

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
CD3370V2, 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		CD3700 V2	CW, 0--	3700.0, 3700000	6.57	3.02	37.4	22.3	21.2

Hardware Setup

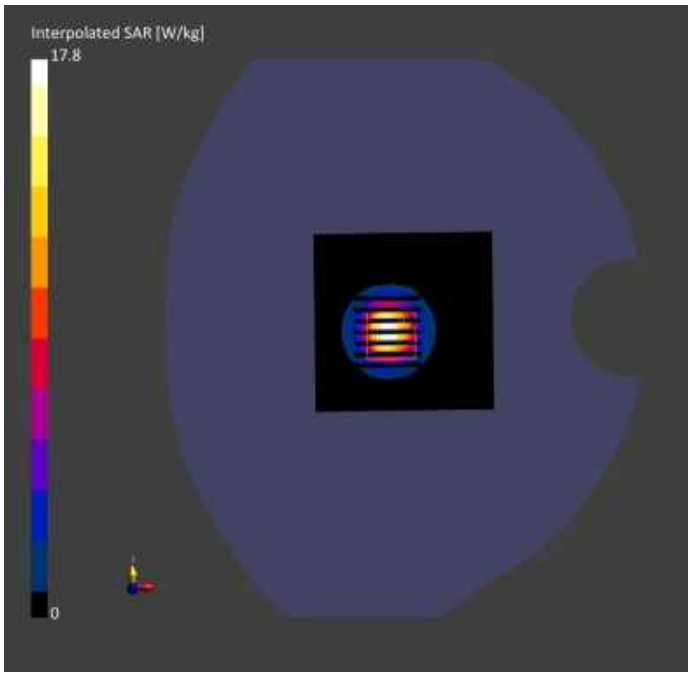
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-02-01	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 80.0	28.0 x 28.0 x 28.0
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 1.4
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	All points	All points
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-02-01	2024-02-01
psSAR1g [W/kg]	6.26	6.95
psSAR10g [W/kg]	2.44	2.42
Power Drift [dB]	0.01	-0.05
Power Scaling Scaling Factor [dB]	Disabled	Disabled
TSL Correction	No correction	No correction
M2/M1 [%]		75.3
Dist 3dB Peak [mm]		8.2


Interpolated SAR [W/kg]
17.8
0

System Performance Check Data (3700MHz Head)

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
CD3370V2, 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		CD3700 V2	CW, 0--	3700.0, 3700000	6.57	3.13	37.1	22.6	21.5

Hardware Setup

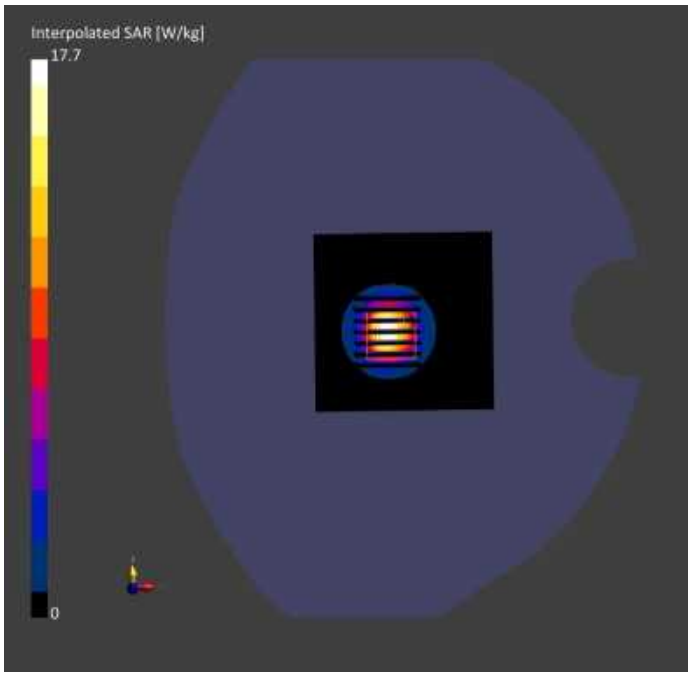
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-02-02	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 80.0	28.0 x 28.0 x 28.0
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 1.4
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	All points	All points
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-02-02	2024-02-02
psSAR1g [W/kg]	6.34	6.65
psSAR10g [W/kg]	2.28	2.42
Power Drift [dB]	0.01	0.11
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		76.2
Dist 3dB Peak [mm]		8.9


Interpolated SAR [W/kg]
17.7
0

System Performance Check Data (3700MHz Head)

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
CD3370V2, 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		CD3700 V2	CW, 0--	3700.0, 3700000	6.57	3.13	36.5	22.3	21.2

Hardware Setup

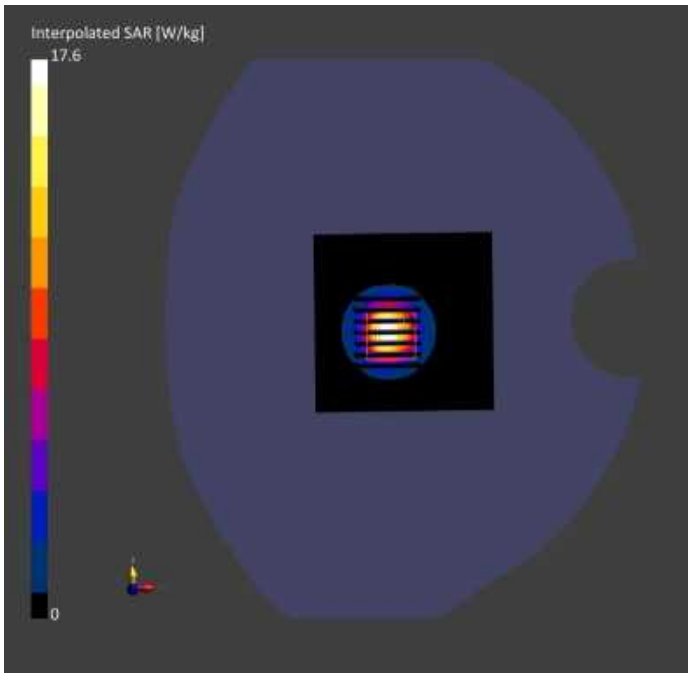
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-02-03	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 80.0	28.0 x 28.0 x 28.0
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 1.4
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	All points	All points
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-02-03	2024-02-03
psSAR1g [W/kg]	6.45	6.83
psSAR10g [W/kg]	2.39	2.47
Power Drift [dB]	-0.06	-0.05
Power Scaling Scaling Factor [dB]	Disabled	Disabled
TSL Correction	No correction	No correction
M2/M1 [%]		75.1
Dist 3dB Peak [mm]		8.2


Interpolated SAR [W/kg]
17.6
0

System Performance Check Data (3900MHz Head)

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
CD4100V2, 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		CD3900 V2	CW, 0--	3900.0, 3900000	6.45	3.38	37.4	22.6	21.5

Hardware Setup

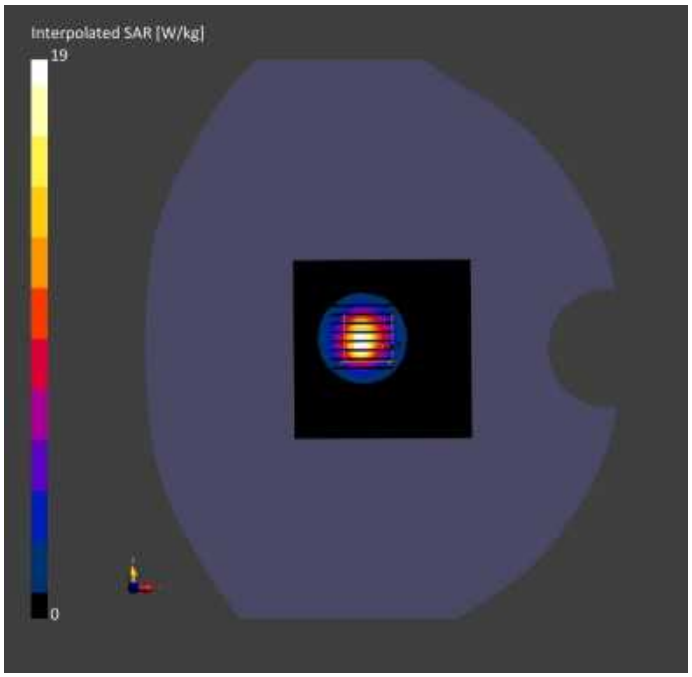
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-01-27	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 80.0	25.0 x 25.0 x 25.0
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	All points	All points
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-01-27	2024-01-27
psSAR1g [W/kg]	6.68	6.85
psSAR10g [W/kg]	2.28	2.31
Power Drift [dB]	0.00	-0.01
Power Scaling Scaling Factor [dB]	Disabled	Disabled
TSL Correction	No correction	No correction
M2/M1 [%]		75.6
Dist 3dB Peak [mm]		8.1


Interpolated SAR [W/kg]
19
0

System Performance Check Data (3900MHz Head)

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
CD4100V2, 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		CD3900 V2	CW, 0--	3900.0, 3900000	6.45	3.22	37.8	22.6	21.5

Hardware Setup

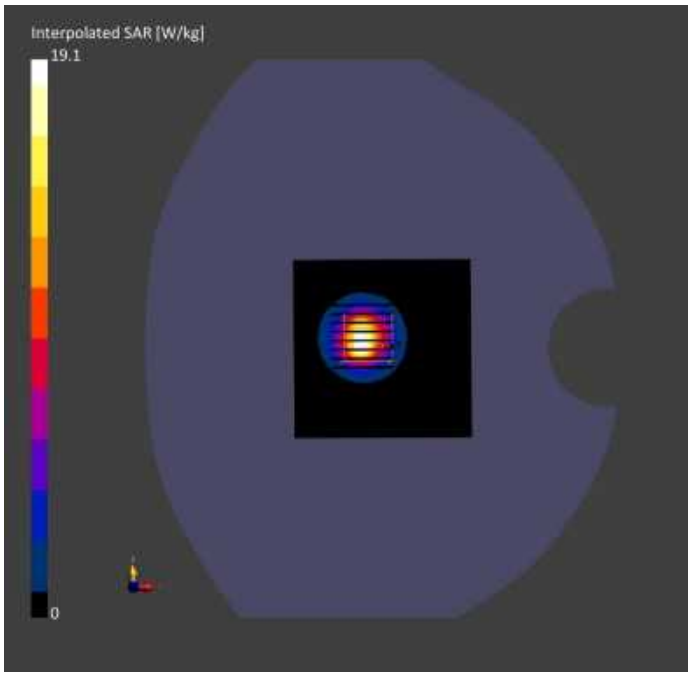
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-02-02	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 80.0	25.0 x 25.0 x 25.0
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	All points	All points
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-02-02	2024-02-02
psSAR1g [W/kg]	6.83	6.95
psSAR10g [W/kg]	2.40	2.41
Power Drift [dB]	-0.03	-0.05
Power Scaling Scaling Factor [dB]	Disabled	Disabled
TSL Correction	No correction	No correction
M2/M1 [%]		75.1
Dist 3dB Peak [mm]		7.9


Interpolated SAR [W/kg]
19.1
0

System Performance Check Data (5250MHz Head)

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--	5250.0, 5250	5.41	4.65	36.3	22.4	21.7

Hardware Setup

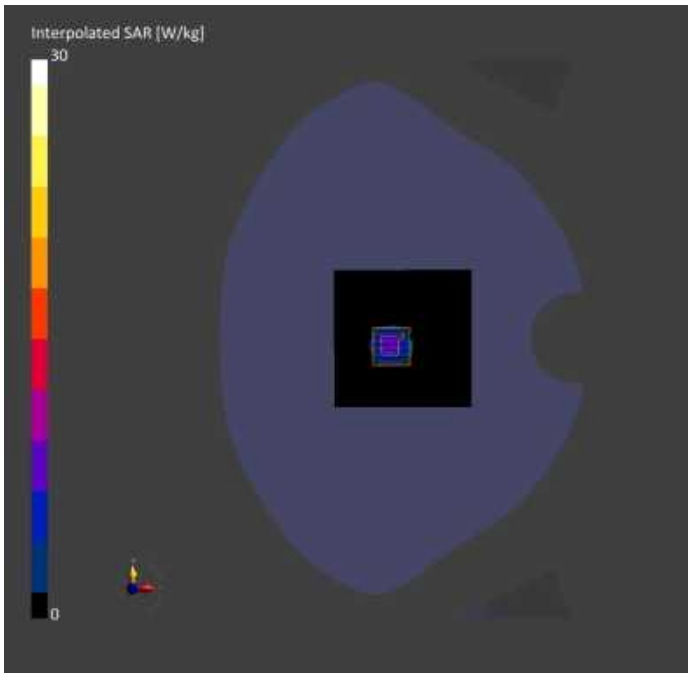
Phantom	TSL, Measured Date		Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000	2024-01-28	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

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

Measurement Results

	Area Scan	Zoom Scan
Date	2024-01-28	2024-01-28
psSAR1g [W/kg]	7.92	7.74
psSAR10g [W/kg]	2.17	2.10
Power Drift [dB]	0.15	0.03
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		74.5
Dist 3dB Peak [mm]		7.8


Interpolated SAR [W/kg]
30
0

System Performance Check Data (5600MHz Head)

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	5.16	34.7	22.6	21.9

Hardware Setup

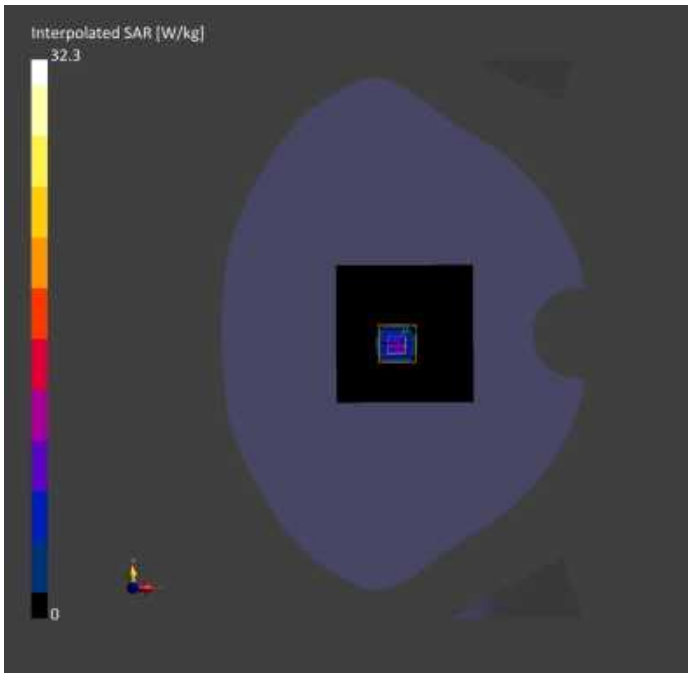
Phantom	TSL, Measured Date		Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000	2024-01-29	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

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

Measurement Results

	Area Scan	Zoom Scan
Date	2024-01-29	2024-01-29
psSAR1g [W/kg]	7.86	7.74
psSAR10g [W/kg]	2.28	2.21
Power Drift [dB]	0.05	0.17
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		69.8
Dist 3dB Peak [mm]		7.9


Interpolated SAR [W/kg]
32.3
0

System Performance Check Data (5750MHz Head)

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--	5750.0, 5750	4.78	5.08	35.6	22.3	21.7

Hardware Setup

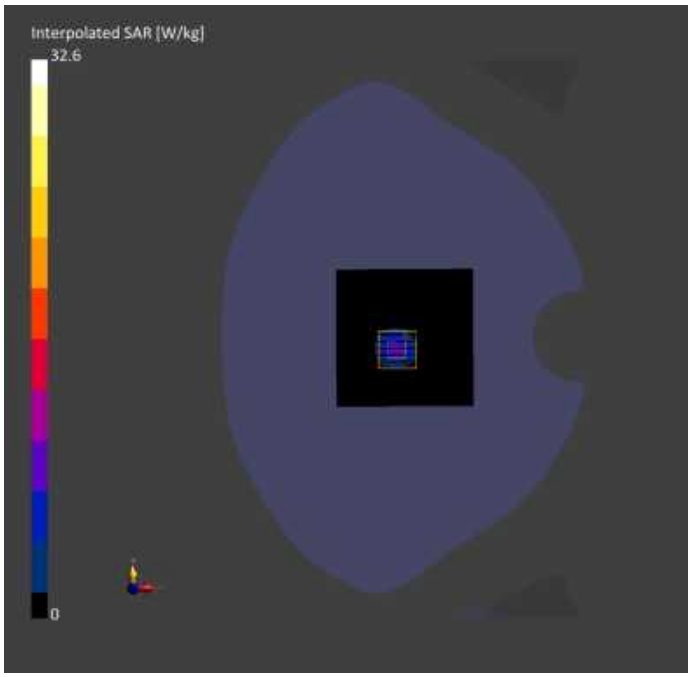
Phantom	TSL, Measured Date		Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000	2024-01-30	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

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

Measurement Results

	Area Scan	Zoom Scan
Date	2024-01-30	2024-01-30
psSAR1g [W/kg]	7.98	7.91
psSAR10g [W/kg]	2.34	2.25
Power Drift [dB]	0.02	0.09
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		68.5
Dist 3dB Peak [mm]		8.1


Interpolated SAR [W/kg]
32.6
0

ANNEX C TEST DATA

Meas.1 Right Head with Cheek on Low Channel in GPRS850 4Slots mode with Antenna 4

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
X6852	165.0 x 75.0 x 8.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
RightHead, HSL	CHEEK, 0.00	GSM 850	GSM, 10028-DAC	824.2, 128	9.96	0.868	42.5	22.4	21.6

Hardware Setup

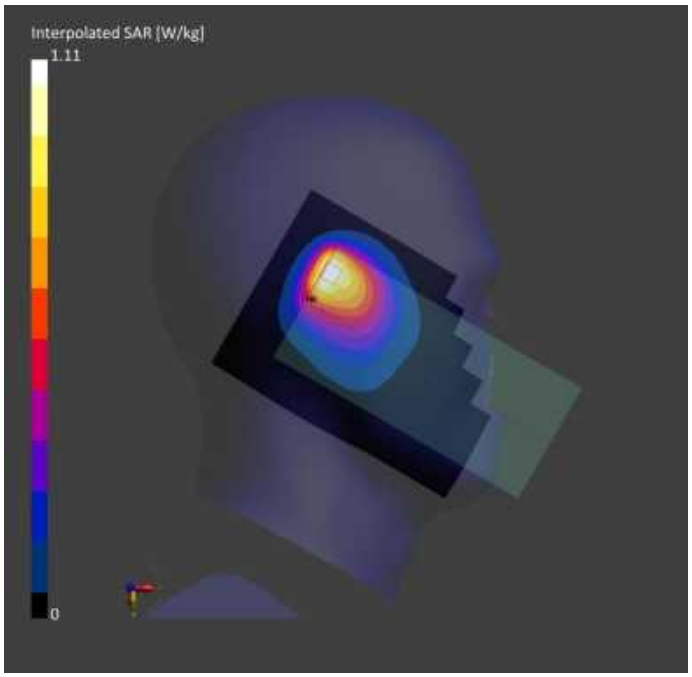
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000, 2024-01-07	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

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

Measurement Results

	Area Scan	Zoom Scan
Date	2024-01-07	2024-01-07
psSAR1g [W/kg]	0.627	0.631
psSAR10g [W/kg]	0.400	0.435
Power Drift [dB]	0.01	-0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		62.5
Dist 3dB Peak [mm]		8.0


Interpolated SAR [W/kg]
1.11
0

Meas.2 Body Plane with Back Side 15mm on Middle Channel in GPRS850 4Slots mode with Antenna 0

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
X6852	165.0 x 75.0 x 10.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	BACK, 15.00	GSM 850	GSM, 10028-DAC	836.6, 190	9.96	0.895	41.3	22.4	21.6

Hardware Setup

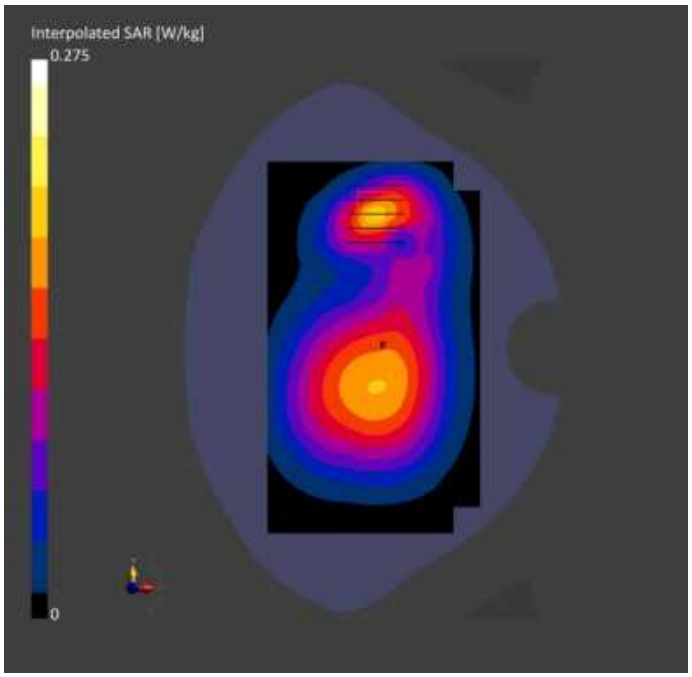
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000, 2024-01-07	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

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

Measurement Results

	Area Scan	Zoom Scan
Date	2024-01-07	2024-01-07
psSAR1g [W/kg]	0.271	0.298
psSAR10g [W/kg]	0.135	0.147
Power Drift [dB]	-0.01	0.08
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		59.5
Dist 3dB Peak [mm]		12.5


Interpolated SAR [W/kg]
0.275
0

Meas.3 Body Plane with Back Side 10mm on Middle Channel in GPRS850 4Slots mode with Antenna 0

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
X6852	165.0 x 75.0 x 10.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	BACK, 10.00	GSM 850	GSM, 10028-DAC	836.6, 190	9.96	0.895	41.3	22.4	21.6

Hardware Setup

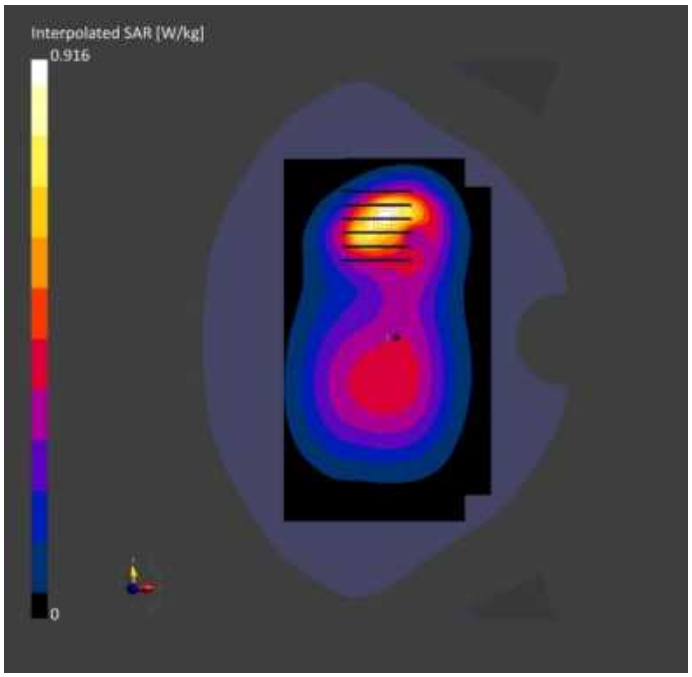
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000, 2024-01-07	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

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

Measurement Results

	Area Scan	Zoom Scan
Date	2024-01-07	2024-01-07
psSAR1g [W/kg]	0.499	0.511
psSAR10g [W/kg]	0.211	0.220
Power Drift [dB]	-0.02	-0.11
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]
0.916
0

Meas.4 Right Head with Tilt on Middle Channel in GPRS1900 4Slots mode with Antenna 4

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
X6852	166.0 x 75.0 x 8.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
RightHead, HSL	TILT, 0.00	PCS 1900	GSM, 10028-DAC	1880.0, 661	7.98	1.37	39.4	22.4	21.6

Hardware Setup

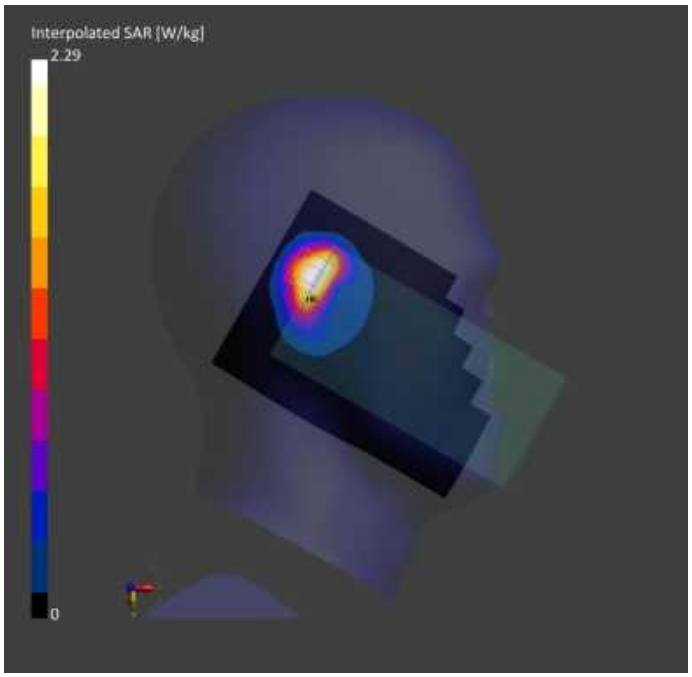
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000, 2024-01-15	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

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

Measurement Results

	Area Scan	Zoom Scan
Date	2024-01-15	2024-01-15
psSAR1g [W/kg]	0.822	0.837
psSAR10g [W/kg]	0.354	0.365
Power Drift [dB]	0.01	-0.07
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		48.1
Dist 3dB Peak [mm]		6.4


Interpolated SAR [W/kg]
2.29
0

Meas.5 Body Plane with Back Side 15mm on Middle Channel in GPRS1900 4Slots mode with Antenna 0

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
X6852	165.0 x 75.0 x 10.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	BACK, 15.00	PCS 1900	GSM, 10028-DAC	1880.0, 661	7.98	1.37	39.4	22.4	21.6

Hardware Setup

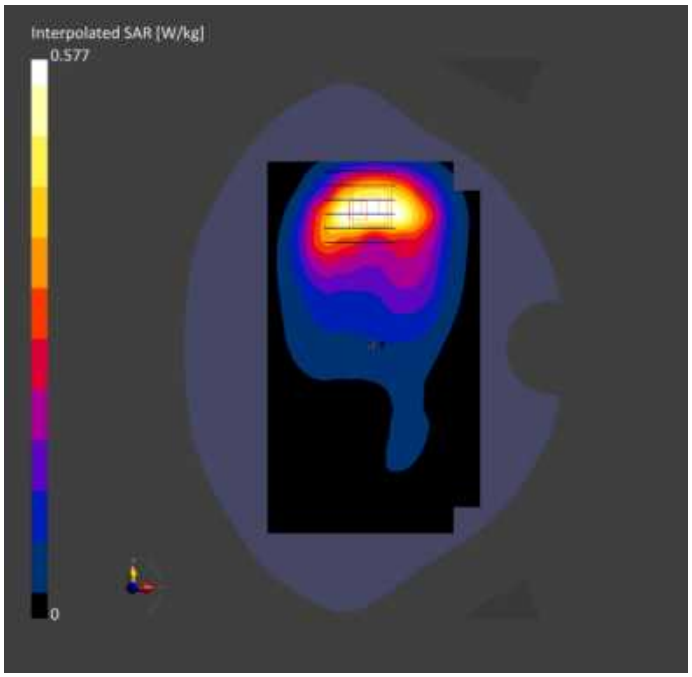
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000, 2024-01-15	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

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

Measurement Results

	Area Scan	Zoom Scan
Date	2024-01-15	2024-01-15
psSAR1g [W/kg]	0.305	0.313
psSAR10g [W/kg]	0.171	0.183
Power Drift [dB]	0.01	-0.08
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		66.8
Dist 3dB Peak [mm]		14.4


Interpolated SAR [W/kg]
0.577
0

Meas.6 Body Plane with Bottom Side 10mm on Middle Channel in GPRS1900 4Slots mode with Antenna 0

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
X6852	165.0 x 75.0 x 10.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	EDGE BOTTOM, 10.00	PCS 1900	GSM, 10028-DAC	1909.8, 810	7.98	1.45	39.0	22.4	21.6

Hardware Setup

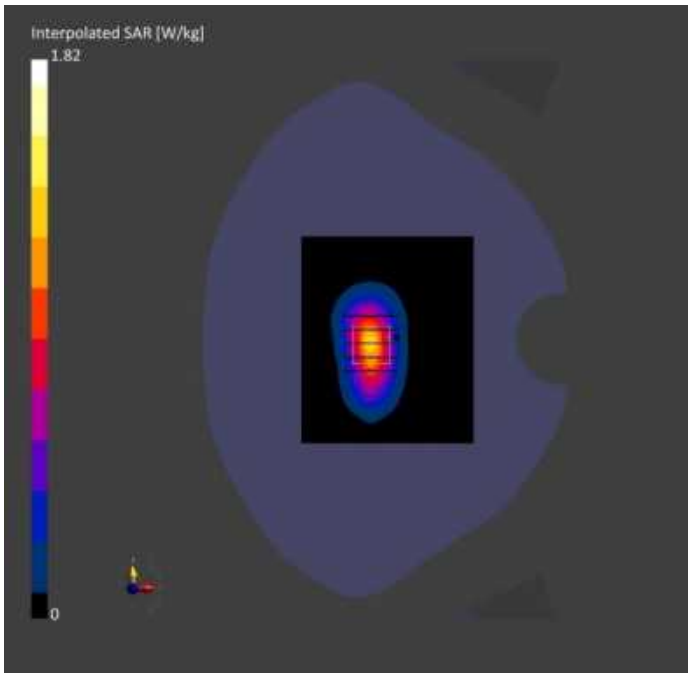
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000, 2024-01-15	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

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

Measurement Results

	Area Scan	Zoom Scan
Date	2024-01-15	2024-01-15
psSAR1g [W/kg]	1.05	1.06
psSAR10g [W/kg]	0.544	0.565
Power Drift [dB]	-0.06	0.07
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		58.5
Dist 3dB Peak [mm]		9.6


Interpolated SAR [W/kg]
1.82
0

Meas.7 Right Head with Tilt on Middle Channel in WCDMA Band2 mode with Antenna 4

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
X6852	166.0 x 75.0 x 8.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
RightHead, HSL	TILT, 0.00	Band 2	WCDMA, 10011-CAC	1880.0, 9400	7.98	1.42	40.5	22.2	21.3

Hardware Setup

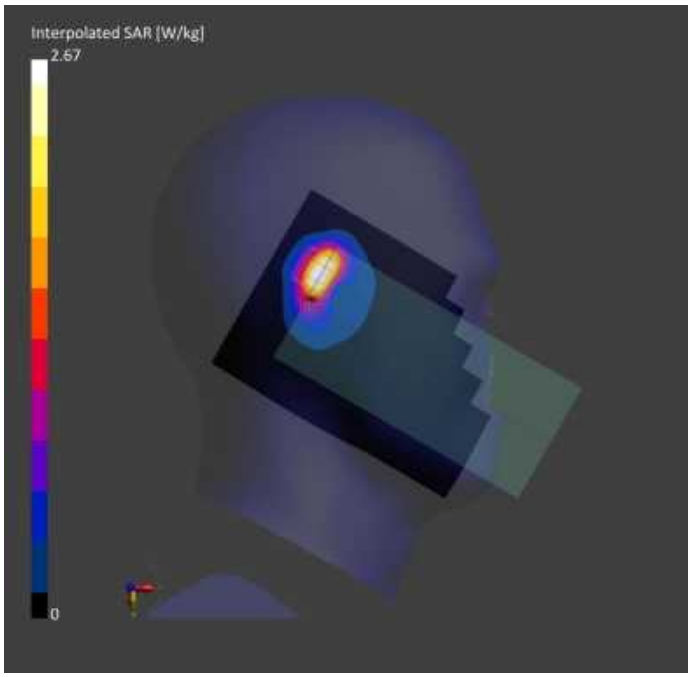
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000, 2024-01-16	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

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

Measurement Results

	Area Scan	Zoom Scan
Date	2024-01-16	2024-01-16
psSAR1g [W/kg]	0.736	0.745
psSAR10g [W/kg]	0.372	0.357
Power Drift [dB]	-0.04	-0.08
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		48.6
Dist 3dB Peak [mm]		6.4


Interpolated SAR [W/kg]
2.67
0

Meas.8 Body Plane with Back Side 15mm on Middle Channel in WCDMA Band2 mode with Antenna 0

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
X6852	165.0 x 75.0 x 10.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	BACK, 15.00	Band 2	WCDMA, 10011-CAC	1880.0, 9400	7.98	1.42	40.5	22.2	21.3

Hardware Setup

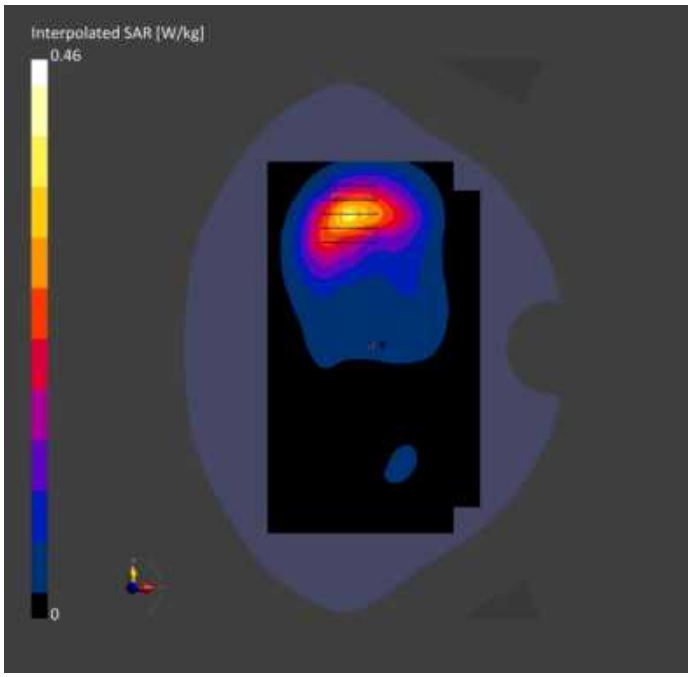
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000, 2024-01-16	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

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

Measurement Results

	Area Scan	Zoom Scan
Date	2024-01-16	2024-01-16
psSAR1g [W/kg]	0.488	0.521
psSAR10g [W/kg]	0.263	0.270
Power Drift [dB]	-0.01	0.05
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		62.4
Dist 3dB Peak [mm]		14.3


Interpolated SAR [W/kg]
0.46
0

Meas.9 Body Plane with Bottom Edge 10mm on Low Channel in WCDMA Band2 mode with Antenna 0

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
X6852	165.0 x 75.0 x 10.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	EDGE BOTTOM, 10.00	Band 2	WCDMA, 10011-CAC	1852.4, 9262	7.98	1.37	40.7	22.2	21.3

Hardware Setup

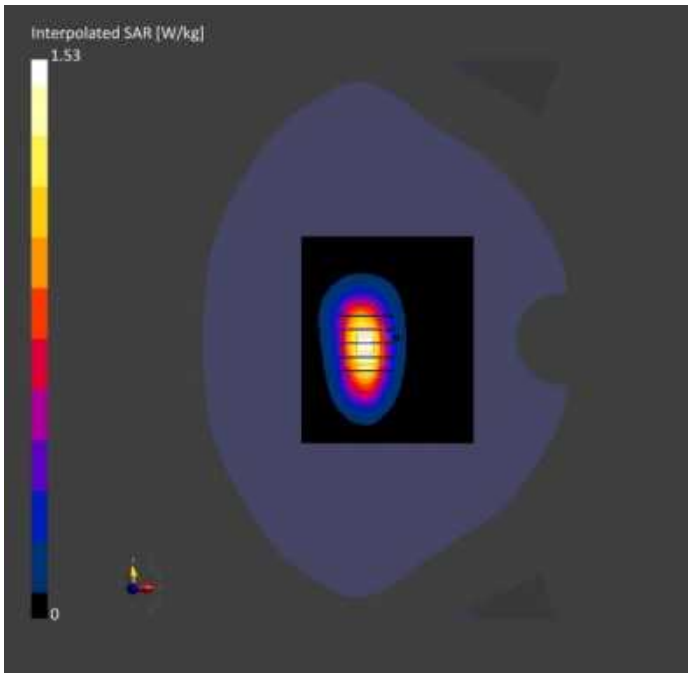
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000, 2024-01-16	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

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

Measurement Results

	Area Scan	Zoom Scan
Date	2024-01-16	2024-01-16
psSAR1g [W/kg]	0.880	0.890
psSAR10g [W/kg]	0.472	0.482
Power Drift [dB]	-0.02	-0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		58.6
Dist 3dB Peak [mm]		10.7


Interpolated SAR [W/kg]
1.53
0

Meas.10 Body Plane with Bottom Edge 0mm on Middle Channel in WCDMA Band2 mode with Antenna 0

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
X6852	165.0 x 75.0 x 10.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	EDGE BOTTOM, 0.00	Band 2	WCDMA, 10011-CAC	1880.0, 9400	7.98	1.42	40.5	22.2	21.3

Hardware Setup

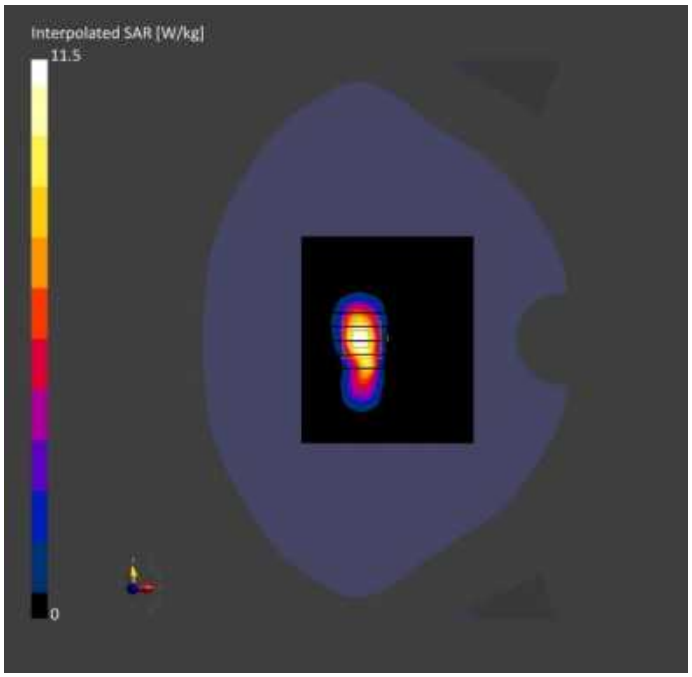
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 , 2024-01-16	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

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

Measurement Results

	Area Scan	Zoom Scan
Date	2024-01-16	2024-01-16
psSAR1g [W/kg]	4.27	4.67
psSAR10g [W/kg]	2.07	1.90
Power Drift [dB]	0.01	-0.02
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		37.2
Dist 3dB Peak [mm]		4.8


Interpolated SAR [W/kg]
11.5
0

Meas.11 Right Head with Cheek on Middle Channel in WCDMA Band4 mode with Antenna 4

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
X6852	166.0 x 75.0 x 8.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
RightHead, HSL	CHEEK, 0.00	Band 4	WCDMA, 10011-CAC	1732.4, 1412	8.52	1.35	40.0	22.1	21.3

Hardware Setup

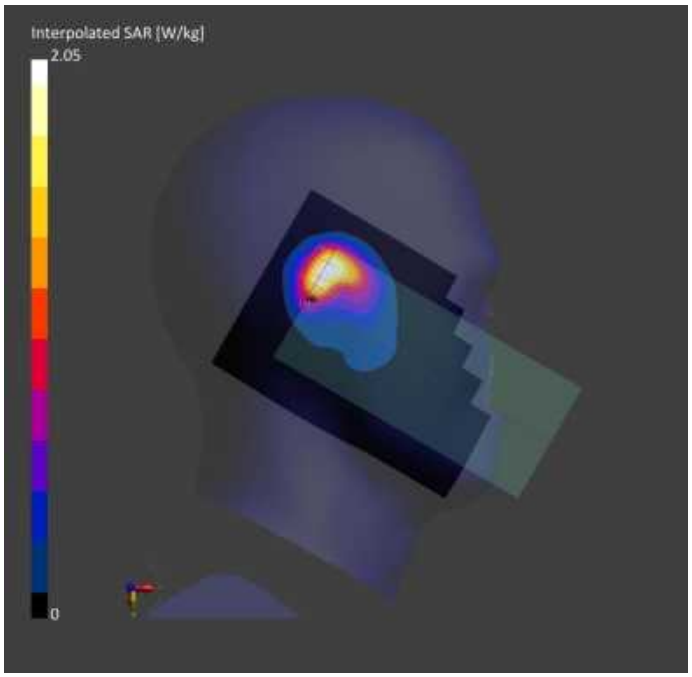
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 , 2024-01-11	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

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

Measurement Results

	Area Scan	Zoom Scan
Date	2024-01-11	2024-01-11
psSAR1g [W/kg]	0.719	0.719
psSAR10g [W/kg]	0.436	0.439
Power Drift [dB]	0.08	0.11
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		55.3
Dist 3dB Peak [mm]		8.0


Interpolated SAR [W/kg]
2.05
0

Meas.12 Body Plane with Back Side 15mm on Low Channel in WCDMA Band4 mode with Antenna 0

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
X6852	165.0 x 75.0 x 10.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	BACK, 15.00	Band 4	WCDMA, 10011-CAC	1712.4, 1312	8.52	1.32	41.4	22.1	21.3

Hardware Setup

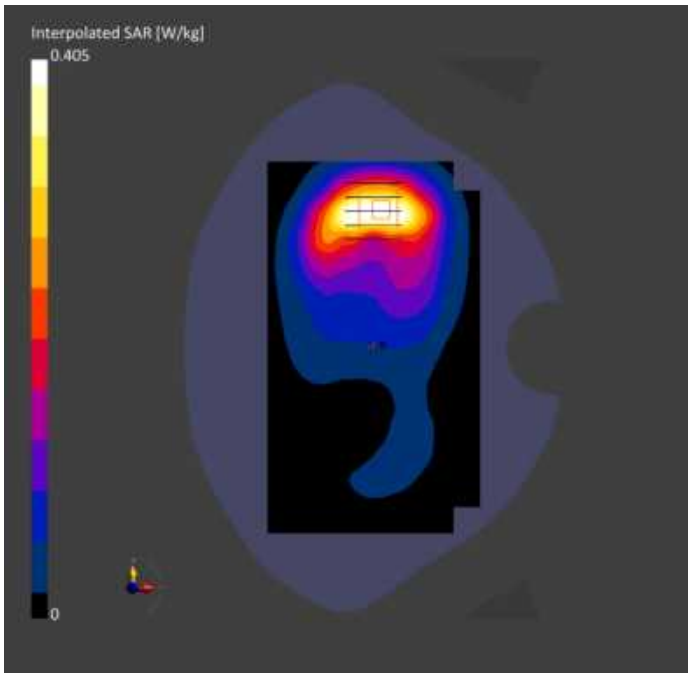
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 , 2024-01-11	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

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

Measurement Results

	Area Scan	Zoom Scan
Date	2024-01-11	2024-01-11
psSAR1g [W/kg]	0.352	0.361
psSAR10g [W/kg]	0.151	0.162
Power Drift [dB]	-0.01	0.06
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		64.6
Dist 3dB Peak [mm]		14.4


Interpolated SAR [W/kg]
0.405
0

Meas.13 Body Plane with Bottom Edge 10mm on High Channel in WCDMA Band4 mode with Antenna 0

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
X6852	165.0 x 75.0 x 10.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	EDGE BOTTOM, 10.00	Band 4	WCDMA, 10011-CAC	1752.6, 1513	8.52	1.40	38.7	22.1	21.3

Hardware Setup

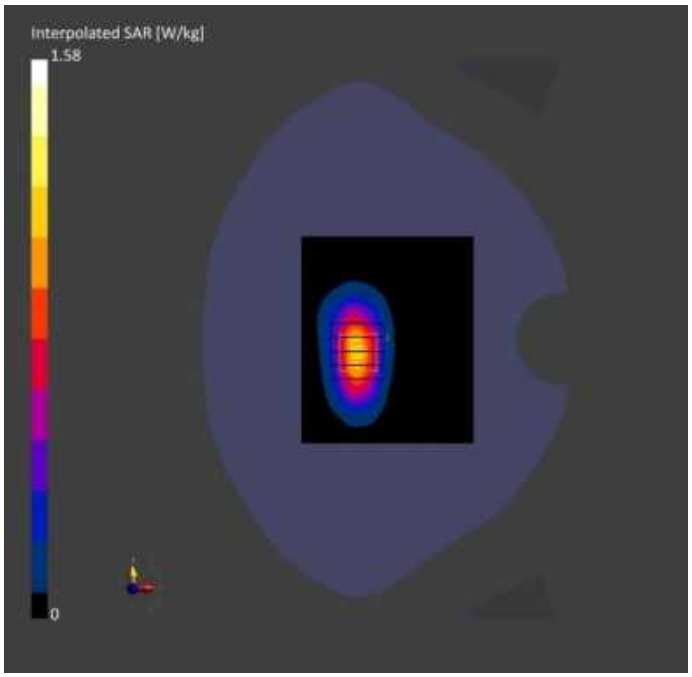
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000, 2024-01-11	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

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

Measurement Results

	Area Scan	Zoom Scan
Date	2024-01-11	2024-01-11
psSAR1g [W/kg]	0.939	0.949
psSAR10g [W/kg]	0.511	0.524
Power Drift [dB]	-0.01	0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		60.3
Dist 3dB Peak [mm]		9.6


Interpolated SAR [W/kg]
1.58
0

Meas.14 Body Plane with Bottom Edge 0mm on Low Channel in WCDMA Band4 mode with Antenna 0

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
X6852	165.0 x 75.0 x 10.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	EDGE BOTTOM, 0.00	Band 4	WCDMA, 10011-CAC	1712.4, 1312	8.52	1.32	41.4	22.1	21.3

Hardware Setup

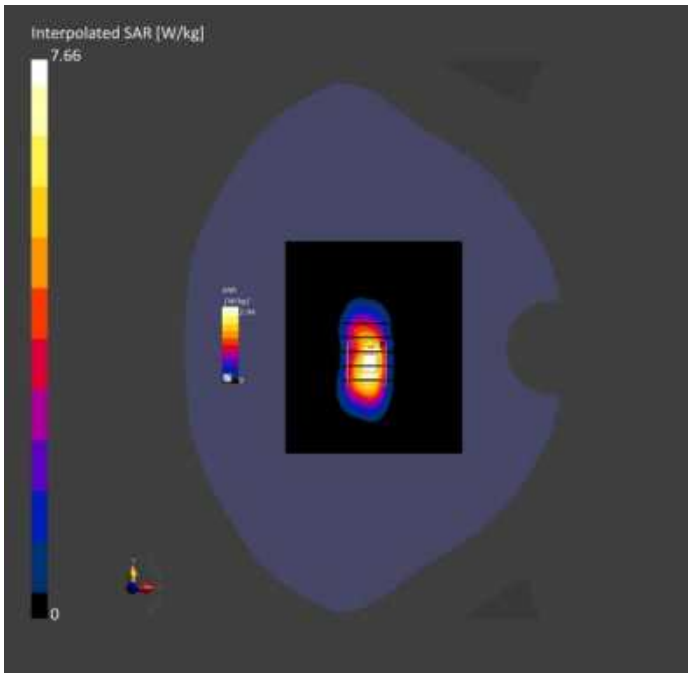
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000, 2024-01-11	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

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

Measurement Results

	Area Scan	Zoom Scan
Date	2024-01-11	2024-01-11
psSAR1g [W/kg]	3.74	3.98
psSAR10g [W/kg]	1.74	1.90
Power Drift [dB]	-0.04	0.03
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		35.7
Dist 3dB Peak [mm]		4.8


Interpolated SAR [W/kg]
7.66
0

Meas.15 Right Head with Cheek on High Channel in WCDMA Band5 mode with Antenna 4

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
X6852	166.0 x 75.0 x 8.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
RightHead, HSL	CHEEK, 0.00	Band 5	WCDMA, 10011-CAC	846.6, 4233	9.96	0.933	40.0	22.2	21.1

Hardware Setup

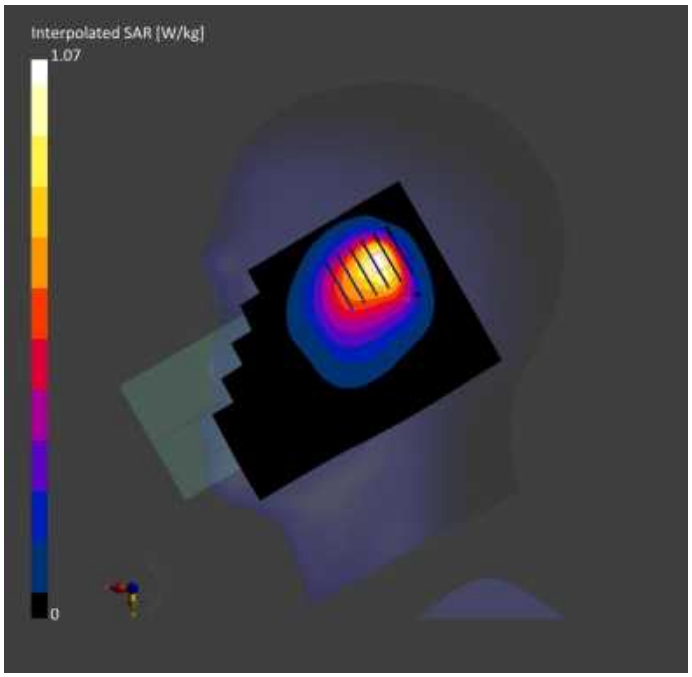
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 , 2024-01-08	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

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

Measurement Results

	Area Scan	Zoom Scan
Date	2024-01-08	2024-01-08
psSAR1g [W/kg]	0.620	0.566
psSAR10g [W/kg]	0.386	0.356
Power Drift [dB]	0.01	0.03
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		45.3
Dist 3dB Peak [mm]		8.0


Interpolated SAR [W/kg]
1.07
0

Meas.16 Body Plane with Back Side 15mm on High Channel in WCDMA Band5 mode with Antenna 0

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
X6852	165.0 x 75.0 x 10.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	BACK, 15.00	Band 5	WCDMA, 10011-CAC	846.6, 4233	9.96	0.933	40.0	22.2	21.1

Hardware Setup

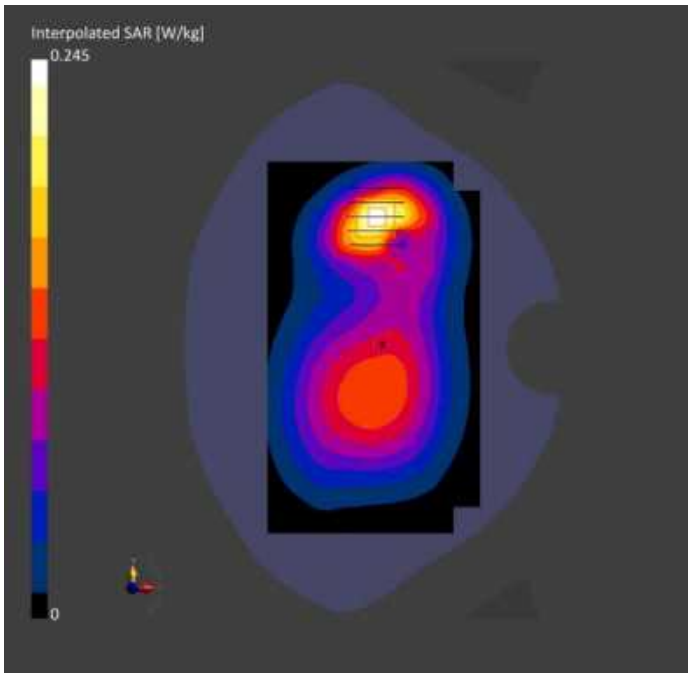
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000, 2024-01-08	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

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

Measurement Results

	Area Scan	Zoom Scan
Date	2024-01-08	2024-01-08
psSAR1g [W/kg]	0.125	0.135
psSAR10g [W/kg]	0.094	0.087
Power Drift [dB]	0.02	-0.10
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		60.7
Dist 3dB Peak [mm]		12.5


Interpolated SAR [W/kg]
0.245
0

Meas.17 Body Plane with Back Side 10mm on High Channel in WCDMA Band5 mode with Antenna 0

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
X6852	165.0 x 75.0 x 10.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	BACK, 10.00	Band 5	WCDMA, 10457-AAB	846.6, 4233	9.96	0.933	40.0	22.2	21.1

Hardware Setup

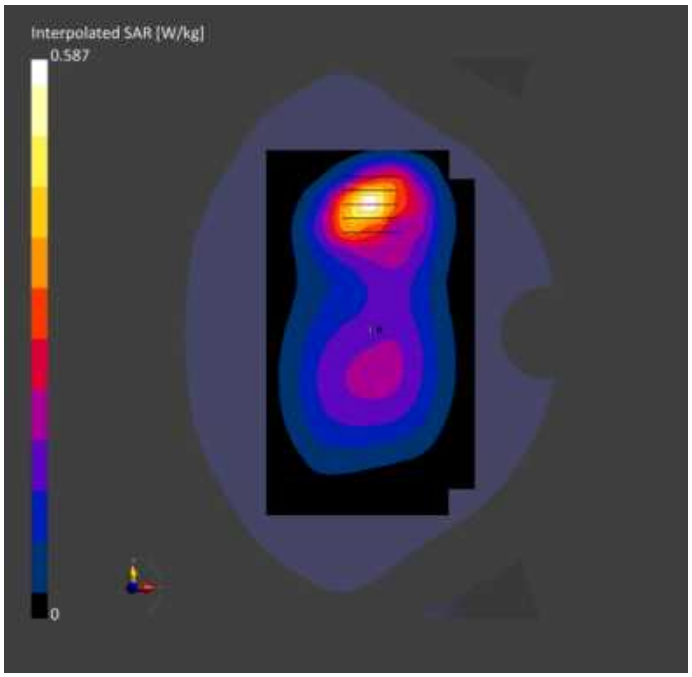
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000, 2024-01-08	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

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

Measurement Results

	Area Scan	Zoom Scan
Date	2024-01-08	2024-01-08
psSAR1g [W/kg]	0.347	0.335
psSAR10g [W/kg]	0.210	0.188
Power Drift [dB]	0.00	0.04
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		55.2
Dist 3dB Peak [mm]		9.1


Interpolated SAR [W/kg]
0.587
0

Meas.18 Right Head with Tilt on High Channel in LTE Band2 mode with Antenna 4

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
X6852	165.0 x 75.0 x 10.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
RightHead, HSL	TILT, 0.00	Band 2	LTE-FDD, 10169-CAF	1900.0, 19100	7.98	1.45	38.7	22.7	21.0

Hardware Setup

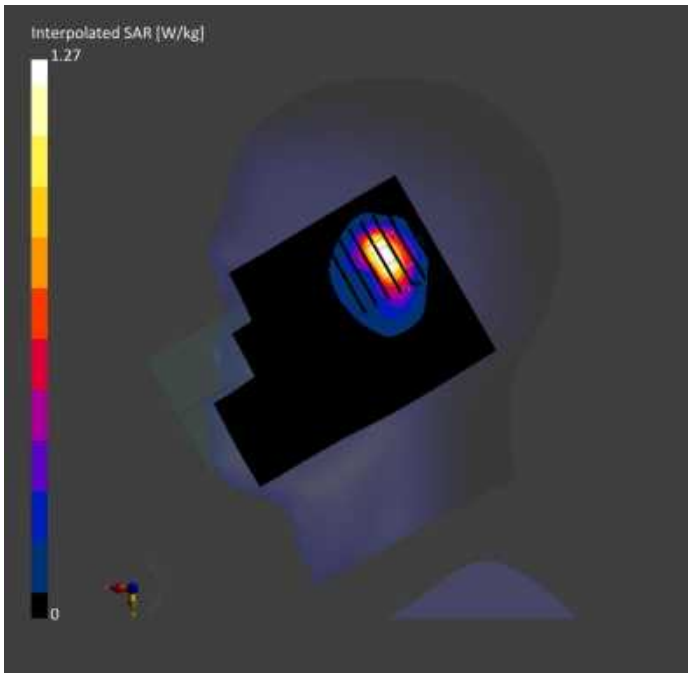
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000, 2024-01-17	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

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

Measurement Results

	Area Scan	Zoom Scan
Date	2024-01-17	2024-01-17
psSAR1g [W/kg]	0.597	0.681
psSAR10g [W/kg]	0.303	0.316
Power Drift [dB]	0.01	-0.05
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		48.6
Dist 3dB Peak [mm]		8.0


Interpolated SAR [W/kg]
1.27
0

Meas.19 Body Plane with Back Side 15mm on High Channel in LTE Band2 mode with Antenna 0

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
X6852	165.0 x 75.0 x 10.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	BACK, 15.00	Band 2	LTE-FDD, 10169-CAF	1900.0, 19100	7.98	1.45	38.7	22.7	21.0

Hardware Setup

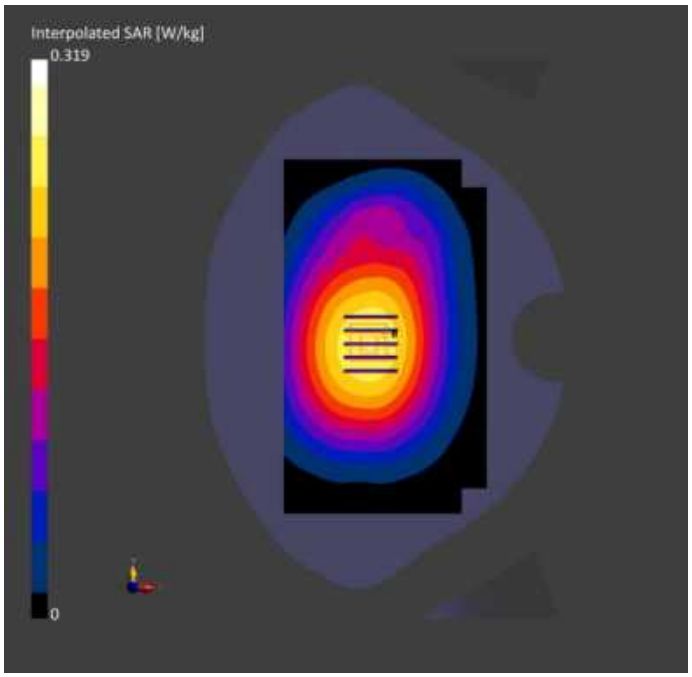
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000, 2024-01-17	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

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

Measurement Results

	Area Scan	Zoom Scan
Date	2024-01-17	2024-01-17
psSAR1g [W/kg]	0.226	0.251
psSAR10g [W/kg]	0.145	0.195
Power Drift [dB]	-0.04	0.02
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		78.2
Dist 3dB Peak [mm]		> 16.0


Interpolated SAR [W/kg]
0.319
0

Meas.20 Body Plane with Top Edge 10mm on High Channel in LTE Band2 mode with Antenna 4

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
X6852	165.0 x 75.0 x 10.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	EDGE TOP, 10.00	Band 2	LTE-FDD, 10169-CAF	1900.0, 19100	7.98	1.45	38.7	22.7	21.0

Hardware Setup

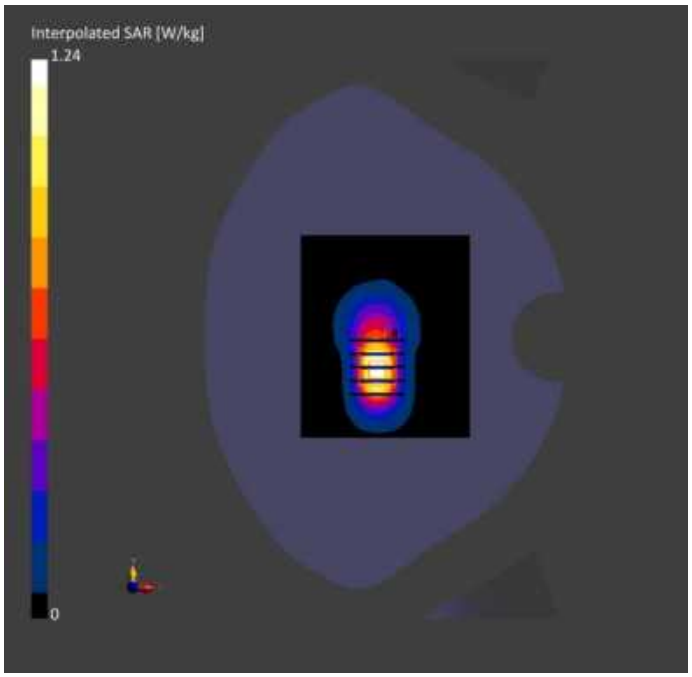
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000, 2024-01-17	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

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

Measurement Results

	Area Scan	Zoom Scan
Date	2024-01-17	2024-01-17
psSAR1g [W/kg]	0.628	0.698
psSAR10g [W/kg]	0.329	0.352
Power Drift [dB]	0.00	0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		57.0
Dist 3dB Peak [mm]		9.6


Interpolated SAR [W/kg]
1.24
0

Meas.21 Right Head with Tilt on High Channel in LTE Band4 mode with Antenna 4

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
X6852	165.0 x 75.0 x 10.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
RightHead, HSL	TILT, 0.00	Band 4	LTE-FDD, 10169-CAF	1745.0, 20300	8.52	1.39	40.5	22.7	21.6

Hardware Setup

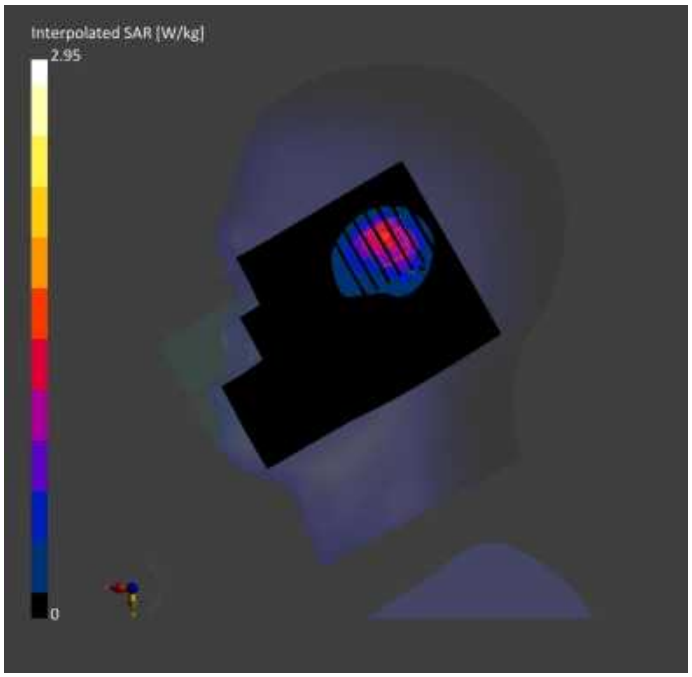
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000, 2024-01-12	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

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

Measurement Results

	Area Scan	Zoom Scan
Date	2024-01-12	2024-01-12
psSAR1g [W/kg]	0.621	0.639
psSAR10g [W/kg]	0.305	0.317
Power Drift [dB]	-0.05	-0.11
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		47.8
Dist 3dB Peak [mm]		6.4


Interpolated SAR [W/kg]
2.95
0

Meas.22 Body Plane with Back Side 15mm on Middle Channel in LTE Band4 mode with Antenna 0

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
X6852	165.0 x 75.0 x 10.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	BACK, 15.00	Band 4	LTE-FDD, 10169-CAF	1732.5, 20175	8.52	1.36	40.7	22.7	21.6

Hardware Setup

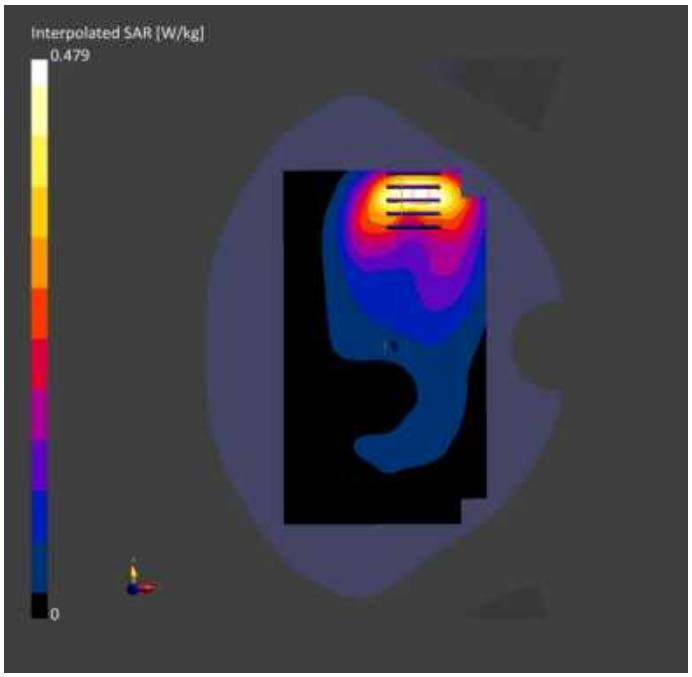
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000, 2024-01-12	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

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

Measurement Results

	Area Scan	Zoom Scan
Date	2024-01-12	2024-01-12
psSAR1g [W/kg]	0.309	0.314
psSAR10g [W/kg]	0.182	0.191
Power Drift [dB]	0.04	0.00
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		64.6
Dist 3dB Peak [mm]		14.3


Interpolated SAR [W/kg]
0.479
0

Meas.23 Body Plane with Bottom Edge 10mm on Middle Channel in LTE Band4 mode with Antenna 0

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
X6852	165.0 x 75.0 x 10.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	EDGE BOTTOM, 10.00	Band 4	LTE-FDD, 10169-CAF	1732.5, 20175	8.52	1.36	40.7	22.7	21.6

Hardware Setup

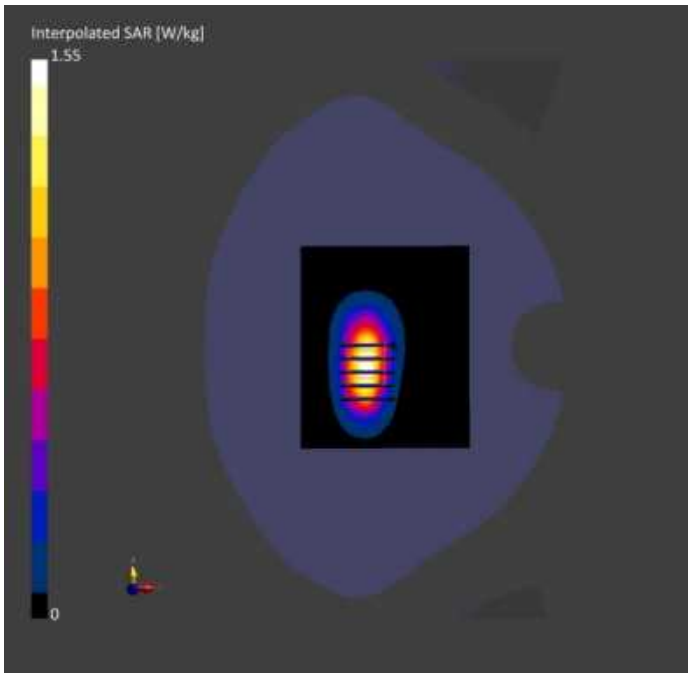
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000, 2024-01-12	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

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

Measurement Results

	Area Scan	Zoom Scan
Date	2024-01-12	2024-01-12
psSAR1g [W/kg]	0.899	0.903
psSAR10g [W/kg]	0.477	0.491
Power Drift [dB]	0.01	0.03
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		58.2
Dist 3dB Peak [mm]		9.7


Interpolated SAR [W/kg]
1.55
0

Meas.24 Right Head with Tilt on Middle Channel in LTE Band5 mode with Antenna 4

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
X6852	165.0 x 75.0 x 10.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
RightHead, HSL	TILT, 0.00	Band 5	LTE-FDD, 10175-CAH	844.0, 20600	9.96	0.933	40.2	22.3	21.2

Hardware Setup

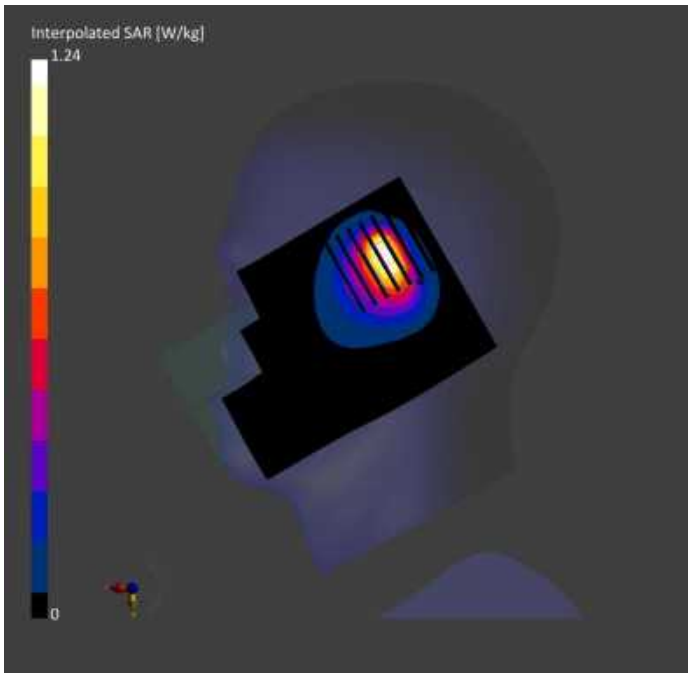
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000, 2024-01-09	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

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

Measurement Results

	Area Scan	Zoom Scan
Date	2024-01-09	2024-01-09
psSAR1g [W/kg]	0.596	0.548
psSAR10g [W/kg]	0.353	0.298
Power Drift [dB]	0.01	-0.17
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		39.2
Dist 3dB Peak [mm]		7.2


Interpolated SAR [W/kg]
1.24
0

Meas.25 Body Plane with Back Side 15mm on Middle Channel in LTE Band5 mode with Antenna 0

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
X6852	165.0 x 75.0 x 10.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	BACK, 15.00	Band 5	LTE-FDD, 10175-CAH	836.5, 20525	9.96	0.918	41.7	22.3	21.2

Hardware Setup

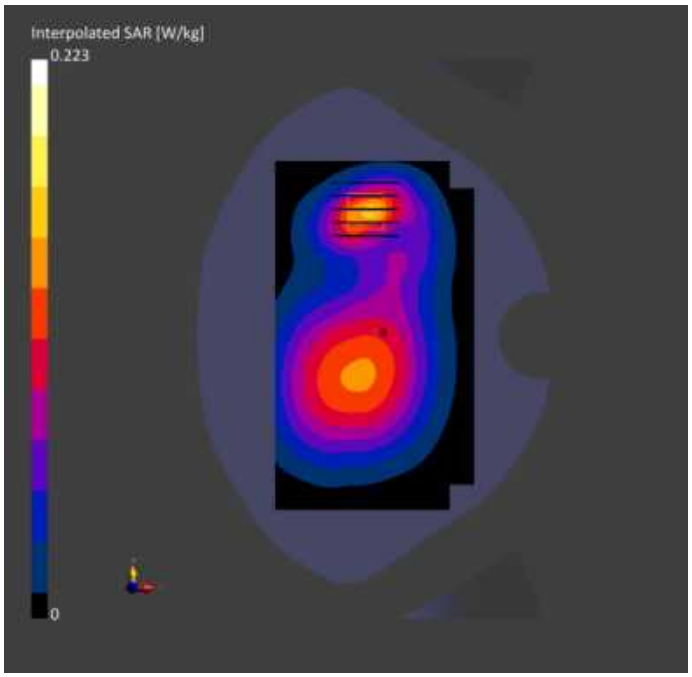
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000, 2024-01-09	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

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

Measurement Results

	Area Scan	Zoom Scan
Date	2024-01-09	2024-01-09
psSAR1g [W/kg]	0.135	0.133
psSAR10g [W/kg]	0.084	0.077
Power Drift [dB]	0.01	0.15
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		57.7
Dist 3dB Peak [mm]		11.3


Interpolated SAR [W/kg]
0.223
0

Meas.26 Body Plane with Back Side 10mm on Middle Channel in LTE Band5 mode with Antenna 0

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
X6852	165.0 x 75.0 x 10.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	BACK, 10.00	Band 5	LTE-FDD, 10175-CAH	836.5, 20525	9.96	0.918	41.7	22.3	21.2

Hardware Setup

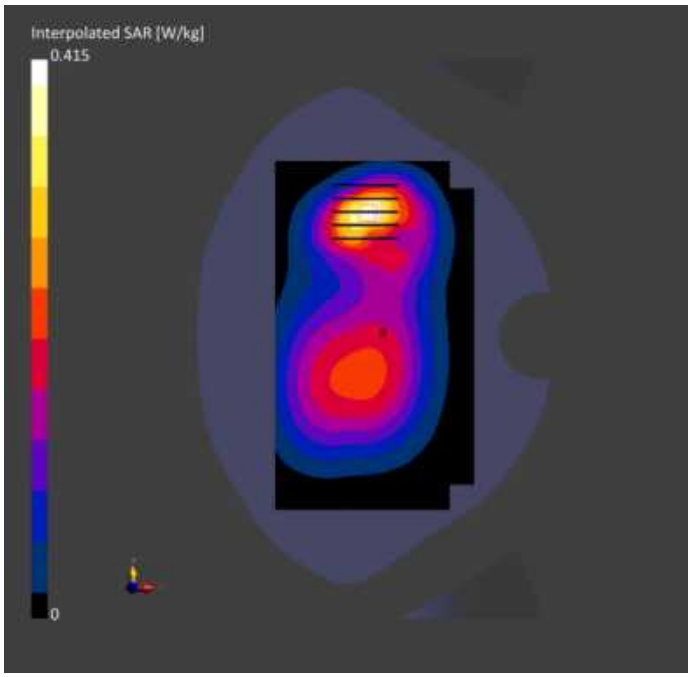
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000, 2024-01-09	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

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

Measurement Results

	Area Scan	Zoom Scan
Date	2024-01-09	2024-01-09
psSAR1g [W/kg]	0.243	0.238
psSAR10g [W/kg]	0.151	0.135
Power Drift [dB]	-0.02	-0.15
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		54.5
Dist 3dB Peak [mm]		10.2


Interpolated SAR [W/kg]
0.415
0

Meas.27 Left Head with Cheek on Middle Channel in LTE Band7 mode with Antenna 1

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
X6852	166.0 x 75.0 x 8.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
LeftHead, HSL	CHEEK, 0.00	Band 7	LTE-FDD, 10169-CAF	2535.0, 21100	7.41	1.89	39.4	22.6	21.2

Hardware Setup

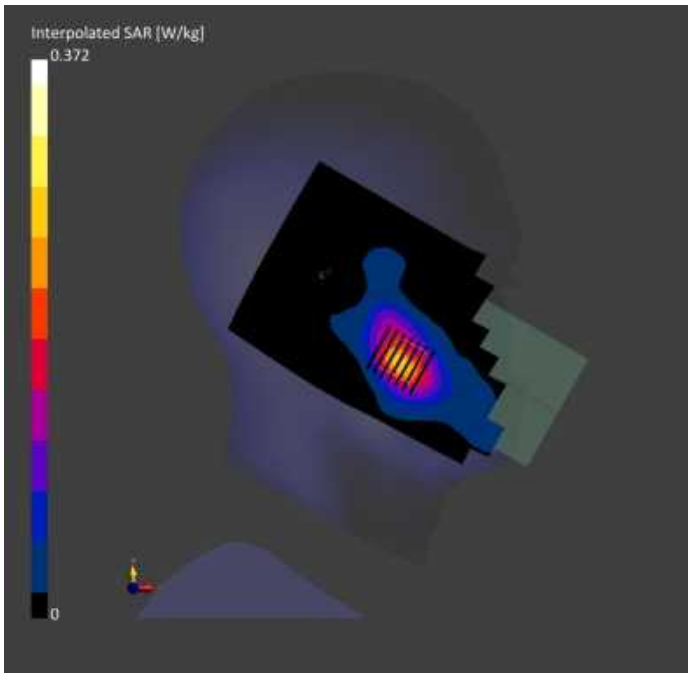
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000, 2024-01-20	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 192.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	Y	Y
Surface Detection	VMS + 6p	All points
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-01-20	2024-01-20
psSAR1g [W/kg]	0.209	0.216
psSAR10g [W/kg]	0.108	0.116
Power Drift [dB]	0.00	0.05
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		58.7
Dist 3dB Peak [mm]		10.7


Interpolated SAR [W/kg]
0.372
0

Meas.28 Body Plane with Back Side 15mm on Middle Channel in LTE Band7 mode with Antenna 1

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
X6852	165.0 x 75.0 x 10.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	BACK, 15.00	Band 7	LTE-FDD, 10169-CAF	2535.0, 21100	7.41	1.89	39.4	22.6	21.2

Hardware Setup

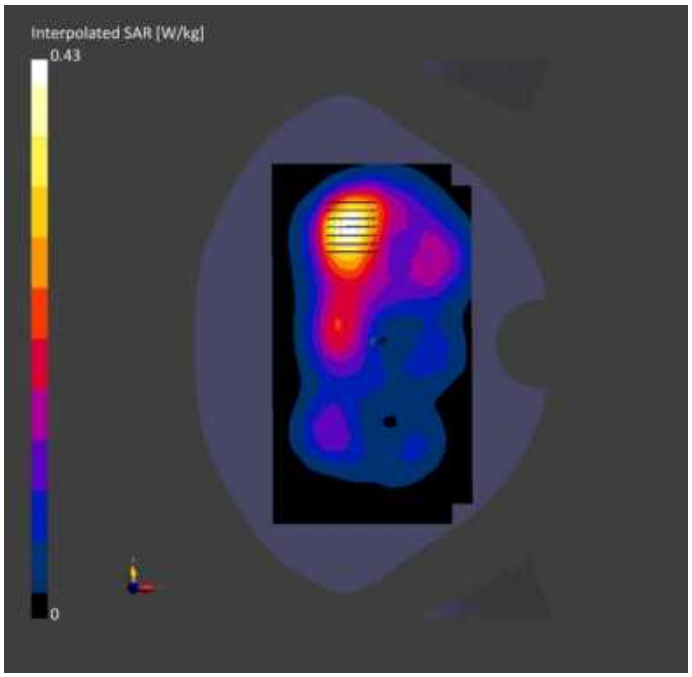
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000, 2024-01-20	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

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

Measurement Results

	Area Scan	Zoom Scan
Date	2024-01-20	2024-01-20
psSAR1g [W/kg]	0.237	0.242
psSAR10g [W/kg]	0.128	0.131
Power Drift [dB]	-0.02	-0.04
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		53.8
Dist 3dB Peak [mm]		14.9


Interpolated SAR [W/kg]
0.43
0

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

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
X6852	165.0 x 75.0 x 10.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	BACK, 10.00	Band 7	LTE-FDD, 10169-CAF	2535.0, 21100	7.41	1.89	39.4	22.6	21.2

Hardware Setup

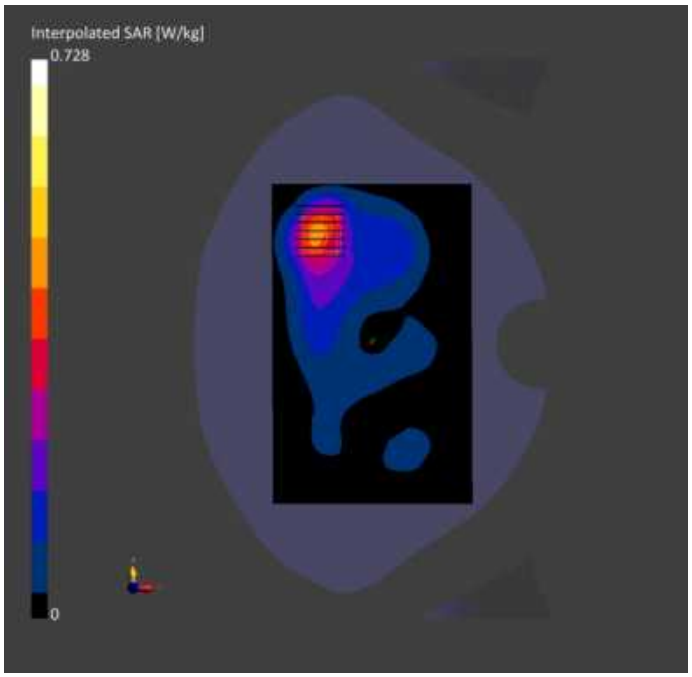
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000, 2024-01-20	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 192.0	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	2024-01-20	2024-01-20
psSAR1g [W/kg]	0.368	0.382
psSAR10g [W/kg]	0.195	0.196
Power Drift [dB]	0.01	0.03
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		50.8
Dist 3dB Peak [mm]		12.0


Interpolated SAR [W/kg]
0.728
0

Meas.30 Right Head with Tilt on Middle Channel in LTE Band12 mode with Antenna 4

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
X6852	165.0 x 75.0 x 10.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
RightHead, HSL	TILT, 0.00	Band 12	LTE-FDD, 10175-CAH	707.5, 23095	10.31	0.883	42.0	22.2	21.2

Hardware Setup

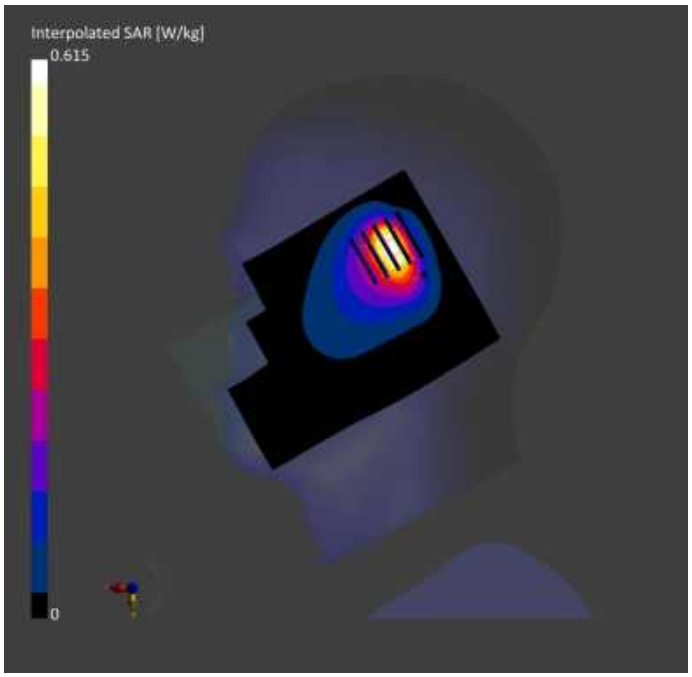
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000, 2024-01-04	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

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

Measurement Results

	Area Scan	Zoom Scan
Date	2024-01-04	2024-01-04
psSAR1g [W/kg]	0.315	0.289
psSAR10g [W/kg]	0.186	0.152
Power Drift [dB]	0.10	0.14
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		39.8
Dist 3dB Peak [mm]		9.3


Interpolated SAR [W/kg]
0.615
0

Meas.31 Body Plane with Back Side 15mm on Middle Channel in LTE Band12 mode with Antenna 0

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
X6852	165.0 x 75.0 x 10.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	BACK, 15.00	Band 12	LTE-FDD, 10175-CAH	707.5, 23095	10.31	0.883	42.0	22.2	21.2

Hardware Setup

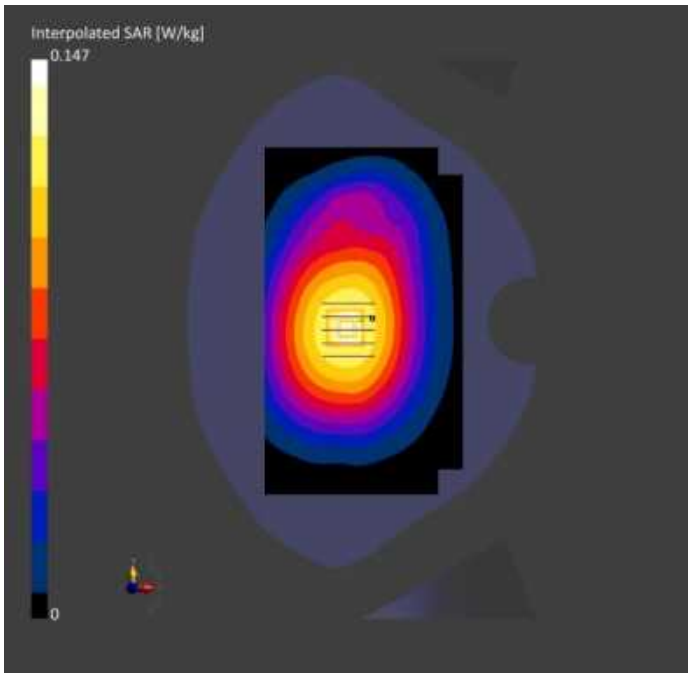
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000, 2024-01-04	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

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

Measurement Results

	Area Scan	Zoom Scan
Date	2024-01-04	2024-01-04
psSAR1g [W/kg]	0.112	0.119
psSAR10g [W/kg]	0.080	0.092
Power Drift [dB]	0.01	-0.04
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		79.9
Dist 3dB Peak [mm]		> 16.0


Interpolated SAR [W/kg]
0.147
0

Meas.32 Body Plane with Left Edge 10mm on Middle Channel in LTE Band12 mode with Antenna 0

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
X6852	165.0 x 75.0 x 10.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	EDGE LEFT, 10.00	Band 12	LTE-FDD, 10175-CAH	707.5, 23095	10.31	0.883	42.0	22.2	21.2

Hardware Setup

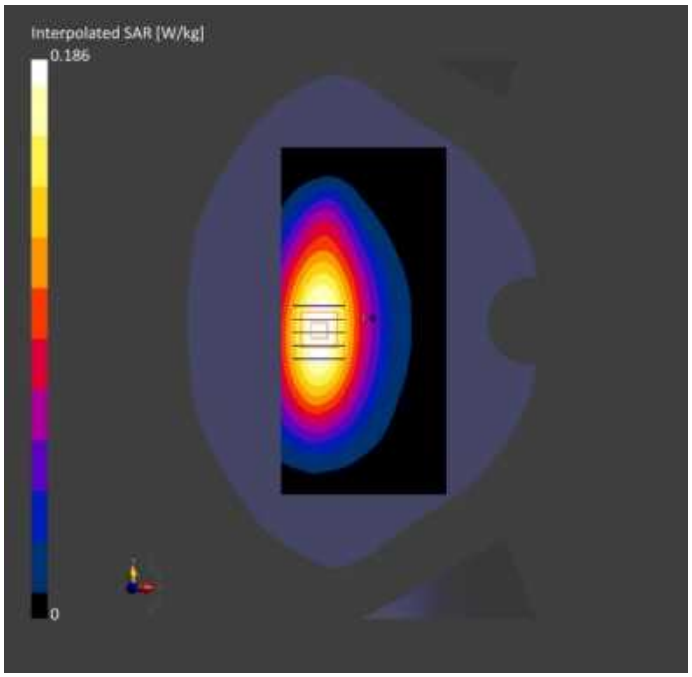
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000, 2024-01-04	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	100.0 x 210.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	10.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-01-04	2024-01-04
psSAR1g [W/kg]	0.130	0.134
psSAR10g [W/kg]	0.090	0.095
Power Drift [dB]	-0.10	-0.13
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		71.7
Dist 3dB Peak [mm]		> 16.0


Interpolated SAR [W/kg]
0.186
0

Meas.33 Right Head with Cheek on High Channel in LTE Band17 mode with Antenna 4

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
X6852	165.0 x 75.0 x 10.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
RightHead, HSL	CHEEK, 0.00	Band 17	LTE-FDD, 10175-CAH	711.0, 23800	10.31	0.890	41.4	22.3	21.5

Hardware Setup

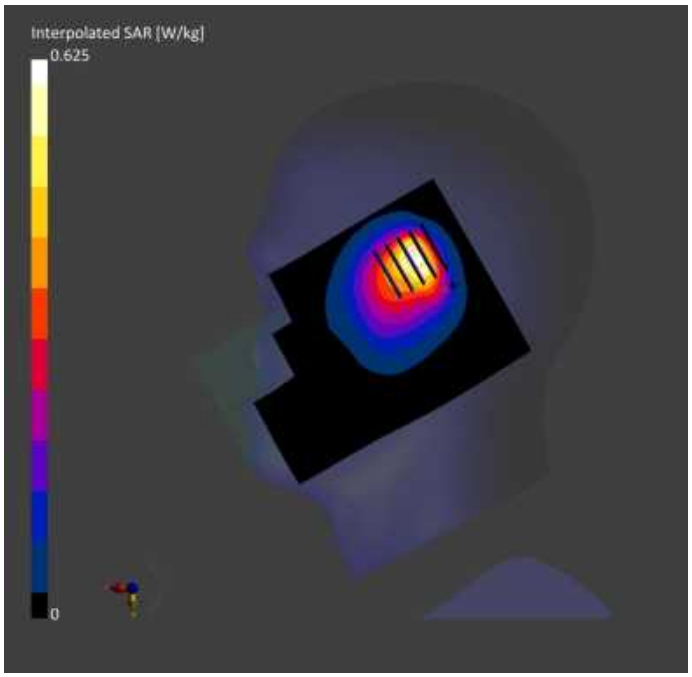
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000, 2024-01-06	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

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

Measurement Results

	Area Scan	Zoom Scan
Date	2024-01-06	2024-01-06
psSAR1g [W/kg]	0.337	0.307
psSAR10g [W/kg]	0.211	0.186
Power Drift [dB]	0.01	0.03
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		44.0
Dist 3dB Peak [mm]		8.0


Interpolated SAR [W/kg]
0.625
0

Meas.34 Body Plane with Back Side 15mm on Low Channel in LTE Band12 mode with Antenna 0

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
X6852	165.0 x 75.0 x 10.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	BACK, 15.00	Band 17	LTE-FDD, 10175-CAH	709.0, 23780	10.31	0.873	42.8	22.3	21.5

Hardware Setup

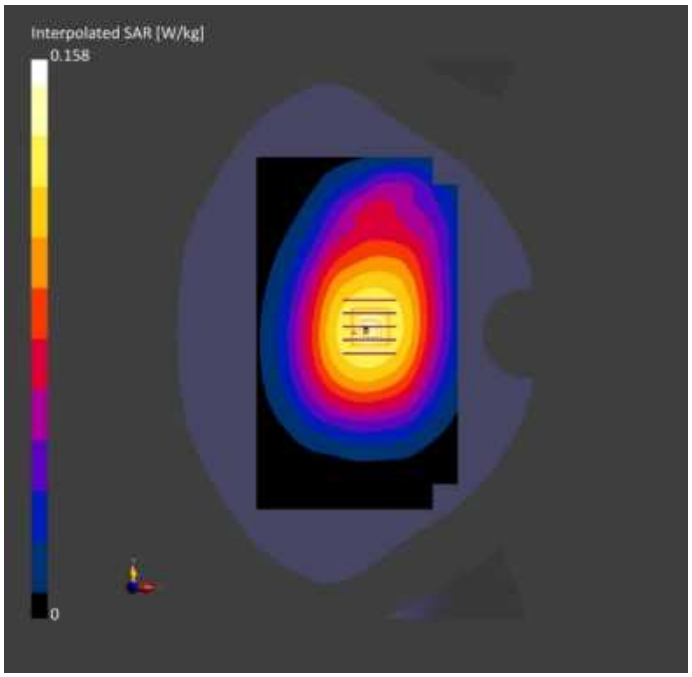
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000, 2024-01-06	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

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

Measurement Results

	Area Scan	Zoom Scan
Date	2024-01-06	2024-01-06
psSAR1g [W/kg]	0.120	0.127
psSAR10g [W/kg]	0.086	0.099
Power Drift [dB]	-0.03	-0.03
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		79.5
Dist 3dB Peak [mm]		> 16.0


Interpolated SAR [W/kg]
0.158
0

Meas.35 Body Plane with Left Edge 10mm on Low Channel in LTE Band17 mode with Antenna 0

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
X6852	165.0 x 75.0 x 10.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	EDGE LEFT, 10.00	Band 17	LTE-FDD, 10175-CAH	709.0, 23780	10.31	0.873	42.8	22.3	21.5

Hardware Setup

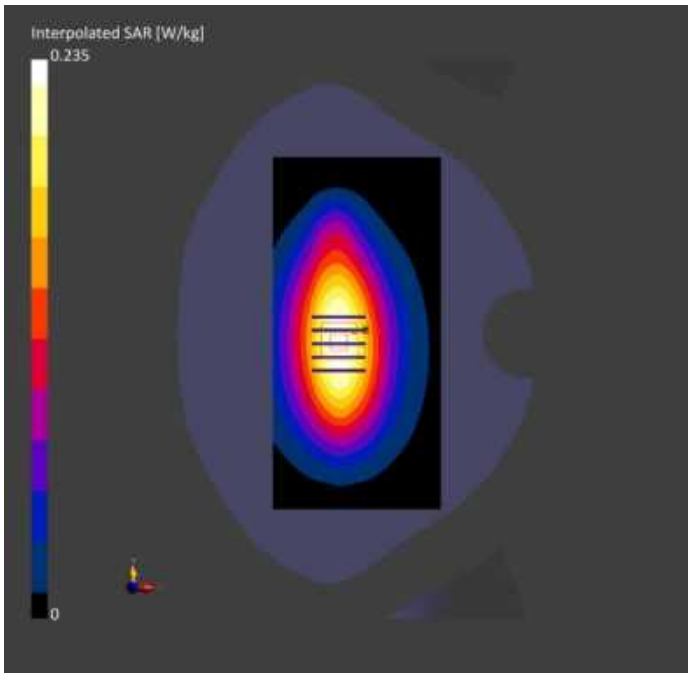
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000, 2024-01-06	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	100.0 x 210.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	10.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-01-06	2024-01-06
psSAR1g [W/kg]	0.163	0.168
psSAR10g [W/kg]	0.112	0.118
Power Drift [dB]	0.01	-0.04
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		71.3
Dist 3dB Peak [mm]		> 16.0


Interpolated SAR [W/kg]
0.235
0

Meas.36 Right Head with Tilt on Middle Channel in LTE Band66 mode with Antenna 4

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
X6852	165.0 x 75.0 x 10.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
RightHead, HSL	TILT, 0.00	Band 66	LTE-FDD, 10169-CAF	1745.0, 132322	8.52	1.36	41.2	22.5	21.2

Hardware Setup

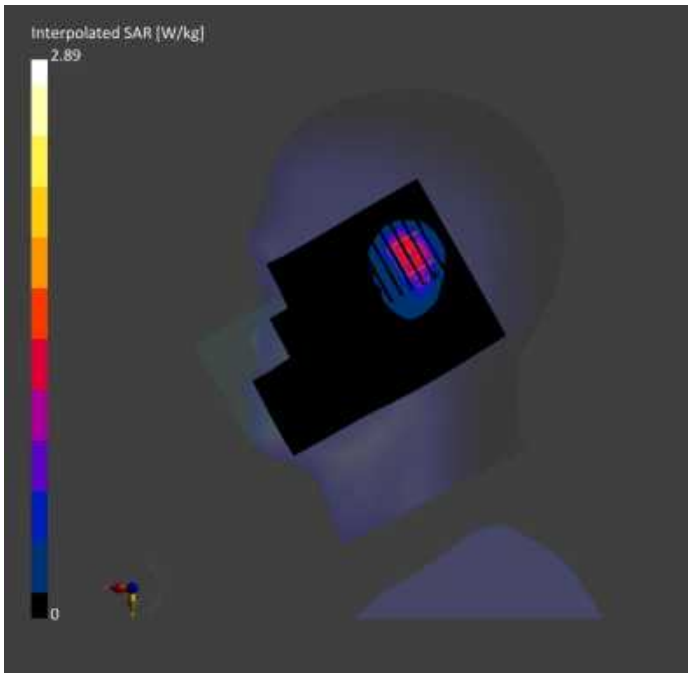
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000, 2024-01-13	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

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

Measurement Results

	Area Scan	Zoom Scan
Date	2024-01-13	2024-01-13
psSAR1g [W/kg]	0.621	0.654
psSAR10g [W/kg]	0.236	0.249
Power Drift [dB]	-0.03	-0.06
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		48.9
Dist 3dB Peak [mm]		8.0


Interpolated SAR [W/kg]
2.89
0

Meas.37 Body Plane with Back Side 15mm on Middle Channel in LTE Band66 mode with Antenna 0

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
X6852	165.0 x 75.0 x 10.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	BACK, 15.00	Band 66	LTE-FDD, 10169-CAF	1745.0, 132322	8.52	1.36	41.2	22.5	21.2

Hardware Setup

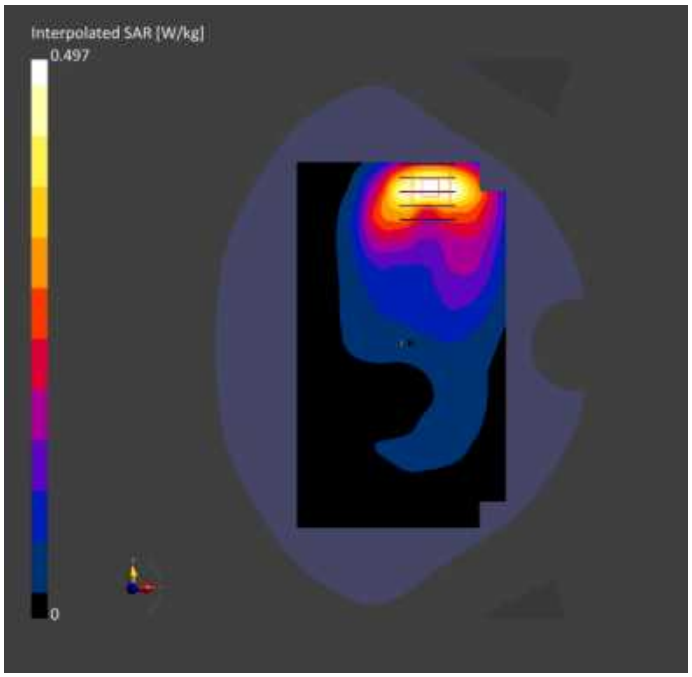
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000, 2024-01-13	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

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

Measurement Results

	Area Scan	Zoom Scan
Date	2024-01-13	2024-01-13
psSAR1g [W/kg]	0.327	0.327
psSAR10g [W/kg]	0.113	0.127
Power Drift [dB]	-0.01	-0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		63.9
Dist 3dB Peak [mm]		14.4


Interpolated SAR [W/kg]
0.497
0

Meas.38 Body Plane with Bottom Edge 10mm on Middle Channel in LTE Band66 mode with Antenna 0

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
X6852	165.0 x 75.0 x 10.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	EDGE BOTTOM, 10.00	Band 66	LTE-FDD, 10169-CAF	1745.0, 132322	8.52	1.36	41.2	22.5	21.2

Hardware Setup

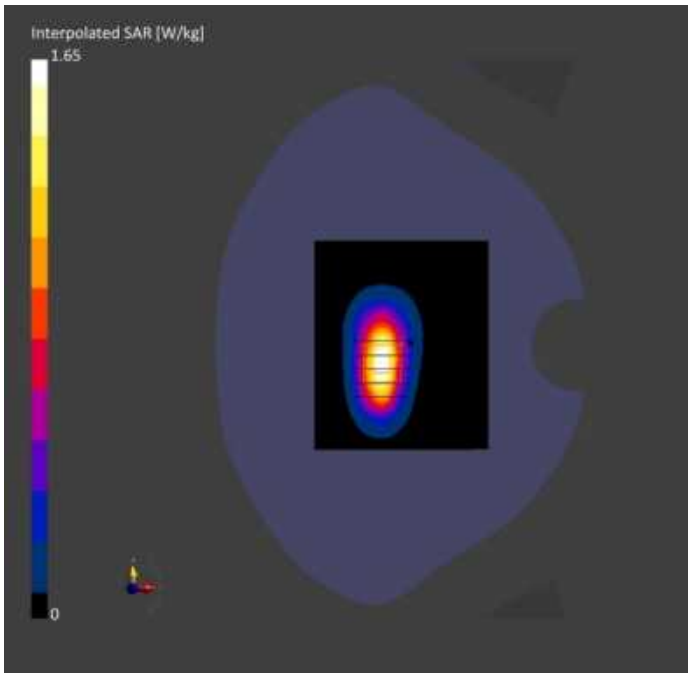
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000, 2024-01-13	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

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

Measurement Results

	Area Scan	Zoom Scan
Date	2024-01-13	2024-01-13
psSAR1g [W/kg]	0.960	0.965
psSAR10g [W/kg]	0.510	0.525
Power Drift [dB]	0.02	0.06
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		58.2
Dist 3dB Peak [mm]		9.7


Interpolated SAR [W/kg]
1.65
0

Meas.39 Left Head with Cheek on Middle Channel in LTE Band38 mode with Antenna 1

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
X6852	166.0 x 75.0 x 8.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
LeftHead, HSL	CHEEK, 0.00	Band 38	LTE-TDD, 10172-CAH	2595.0, 38000	7.41	1.92	38.8	22.6	21.5

Hardware Setup

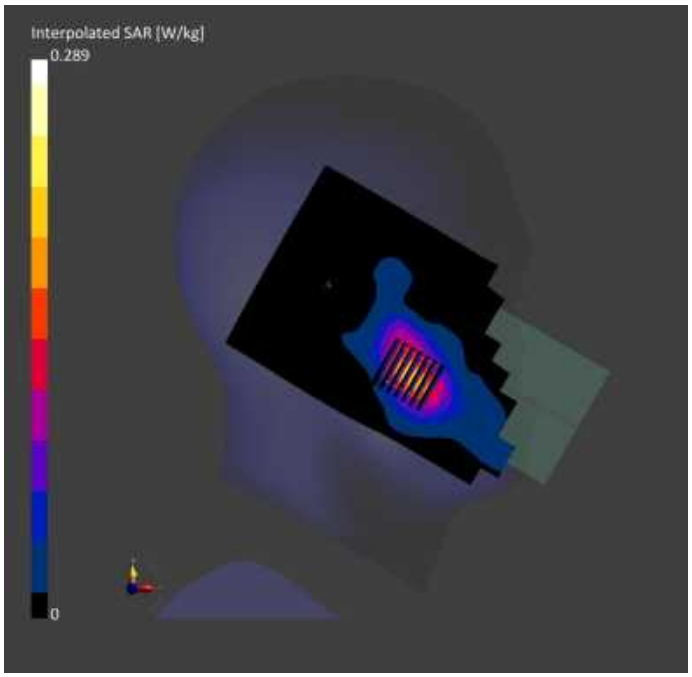
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000, 2024-01-22	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 192.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	Y	Y
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-01-22	2024-01-22
psSAR1g [W/kg]	0.165	0.170
psSAR10g [W/kg]	0.085	0.091
Power Drift [dB]	-0.04	-0.04
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		59.3
Dist 3dB Peak [mm]		10.4


Interpolated SAR [W/kg]
0.289
0

Meas.40 Body Plane with Back Side 15mm on Middle Channel in LTE Band38 mode with Antenna 1

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
X6852	165.0 x 75.0 x 10.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	BACK, 15.00	Band 38	LTE-TDD, 10172-CAH	2595.0, 38000	7.41	1.92	38.8	22.6	21.5

Hardware Setup

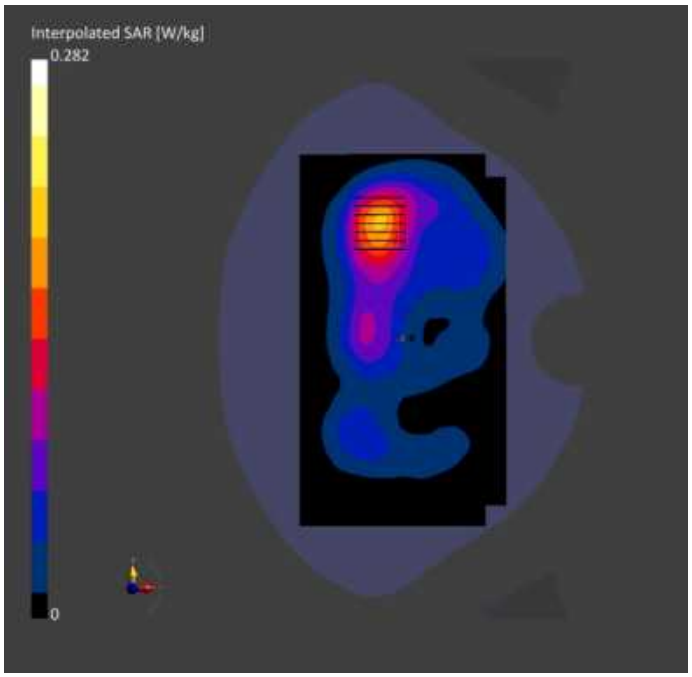
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000, 2024-01-22	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

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

Measurement Results

	Area Scan	Zoom Scan
Date	2024-01-22	2024-01-22
psSAR1g [W/kg]	0.157	0.156
psSAR10g [W/kg]	0.085	0.085
Power Drift [dB]	-0.05	-0.02
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		52.2
Dist 3dB Peak [mm]		15.0


Interpolated SAR [W/kg]
0.282
0

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

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
X6852	165.0 x 75.0 x 10.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	BACK, 10.00	Band 38	LTE-TDD, 10172-CAH	2595.0, 38000	7.41	1.92	38.8	22.6	21.5

Hardware Setup

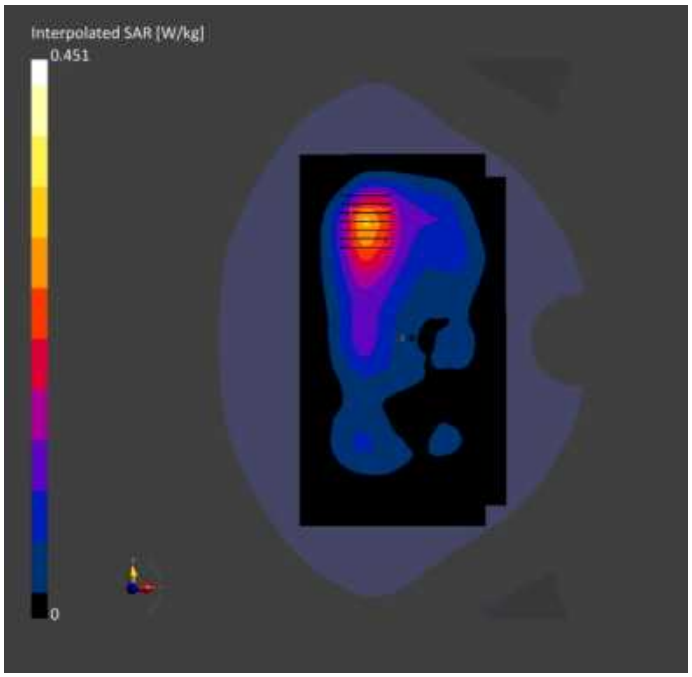
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000, 2024-01-22	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

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

Measurement Results

	Area Scan	Zoom Scan
Date	2024-01-22	2024-01-22
psSAR1g [W/kg]	0.244	0.245
psSAR10g [W/kg]	0.131	0.131
Power Drift [dB]	-0.01	-0.06
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		52.0
Dist 3dB Peak [mm]		14.3


Interpolated SAR [W/kg]
0.451
0

Meas.42 Right Head with Tilt on Middle Channel in LTE Band41 mode with Antenna 4

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
X6852	166.0 x 75.0 x 8.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
RightHead, HSL	TILT, 0.00	Band 41	LTE-TDD, 10172-CAH	2593.0, 40620	7.41	1.92	40.0	22.1	21.5

Hardware Setup

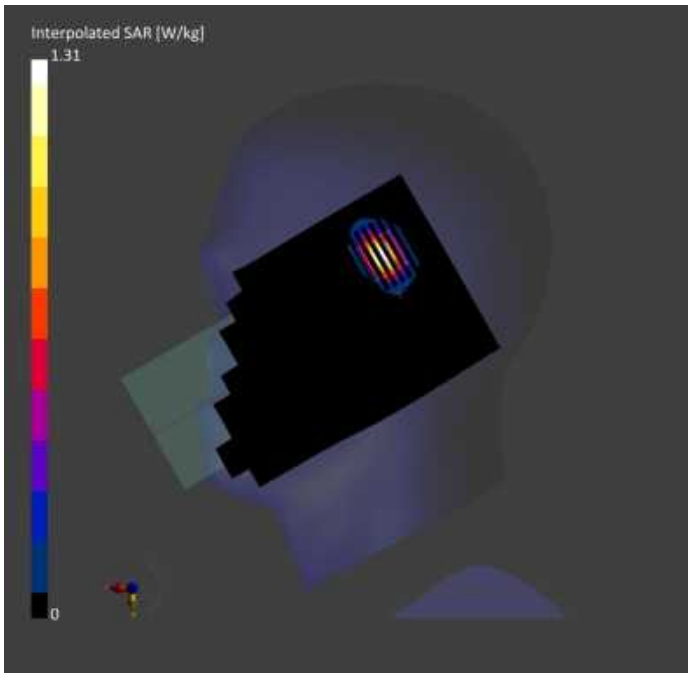
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000, 2024-01-24	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 192.0	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	2024-01-24	2024-01-24
psSAR1g [W/kg]	0.480	0.555
psSAR10g [W/kg]	0.199	0.204
Power Drift [dB]	-0.02	-0.06
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		41.2
Dist 3dB Peak [mm]		6.0


Interpolated SAR [W/kg]
1.31
0

Meas.43 Body Plane with Back Side 15mm on Middle Channel in LTE Band41 mode with Antenna 4

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
X6852	165.0 x 75.0 x 10.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	BACK, 15.00	Band 41	LTE-TDD, 10172-CAH	2593.0, 40620	7.41	1.92	40.0	22.1	21.5

Hardware Setup

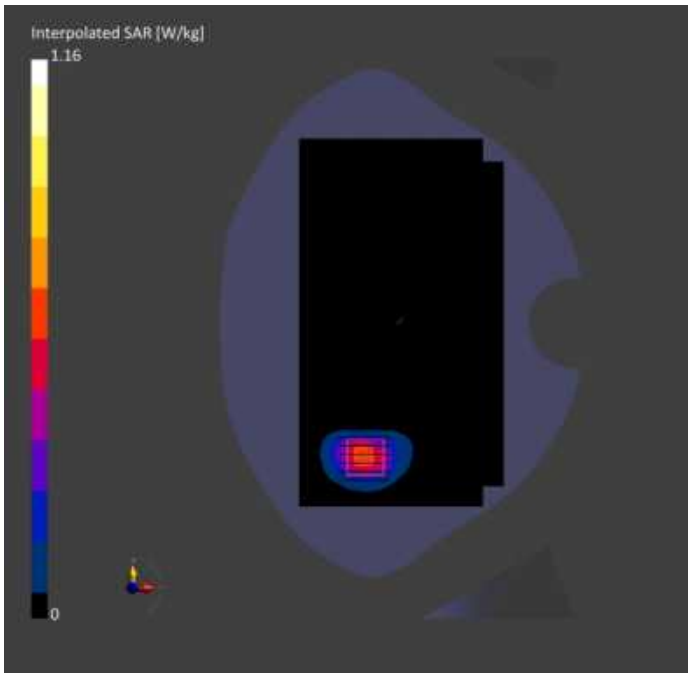
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000, 2024-01-24	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

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

Measurement Results

	Area Scan	Zoom Scan
Date	2024-01-24	2024-01-24
psSAR1g [W/kg]	0.351	0.410
psSAR10g [W/kg]	0.149	0.163
Power Drift [dB]	-0.10	-0.13
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		50.7
Dist 3dB Peak [mm]		8.2


Interpolated SAR [W/kg]
1.16
0

Meas.44 Body Plane with Top Edge 10mm on Middle Channel in LTE Band41 mode with Antenna 4

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
X6852	165.0 x 75.0 x 10.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	EDGE BOTTOM, 10.00	Band 41	LTE-TDD, 10172-CAH	2593.0, 40620	7.41	1.92	40.0	22.1	21.5

Hardware Setup

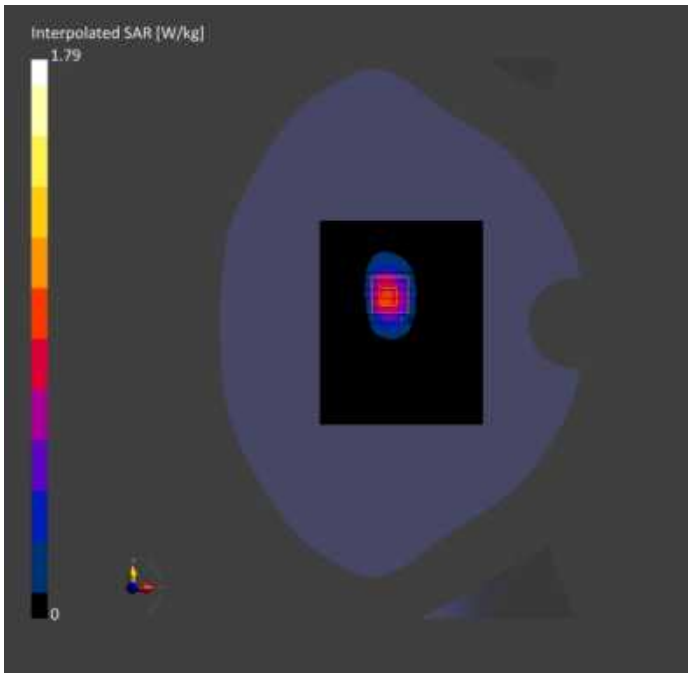
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000, 2024-01-24	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

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

Measurement Results

	Area Scan	Zoom Scan
Date	2024-01-24	2024-01-24
psSAR1g [W/kg]	0.783	0.778
psSAR10g [W/kg]	0.357	0.343
Power Drift [dB]	0.00	0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		49.6
Dist 3dB Peak [mm]		8.0


Interpolated SAR [W/kg]
1.79
0

Meas.45 Body Plane with Top Edge 0mm on Middle Channel in LTE Band41 mode with Antenna 4

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
X6852	165.0 x 75.0 x 10.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	EDGE TOP, 0.00	Band 41	LTE-TDD, 10172-CAH	2593.0, 40620	7.41	1.92	40.0	22.1	21.5

Hardware Setup

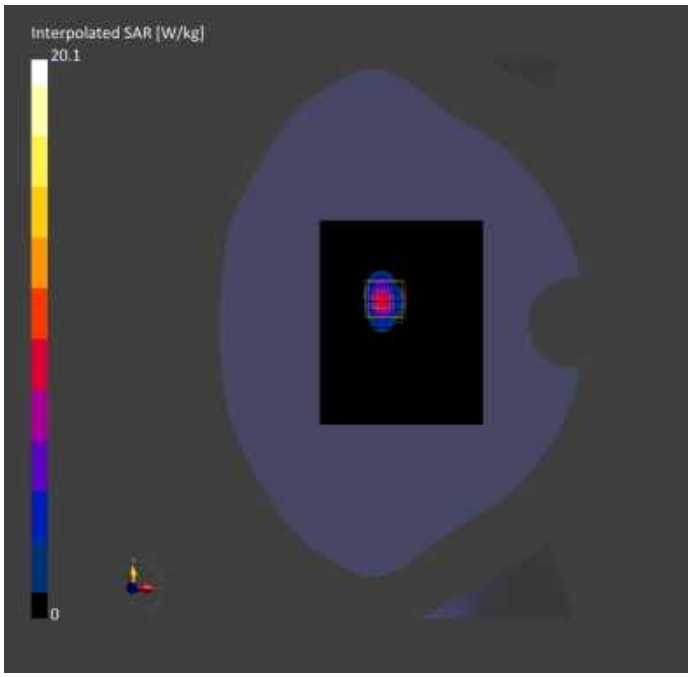
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000, 2024-01-24	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

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

Measurement Results

	Area Scan	Zoom Scan
Date	2024-01-24	2024-01-24
psSAR1g [W/kg]	5.04	5.18
psSAR10g [W/kg]	1.65	1.62
Power Drift [dB]	-0.06	0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		33.0
Dist 3dB Peak [mm]		4.0


Interpolated SAR [W/kg]
20.1
0

Meas.46 Left Head with Cheek on Low Channel in LTE Band42 mode with Antenna 5

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
X6852	166.0 x 75.0 x 8.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
LeftHead, HSL	CHEEK, 0.00	Band 42	LTE-TDD, 10172-CAH	3410.0, 41690	6.7	2.75	39.1	22.5	21.3

Hardware Setup

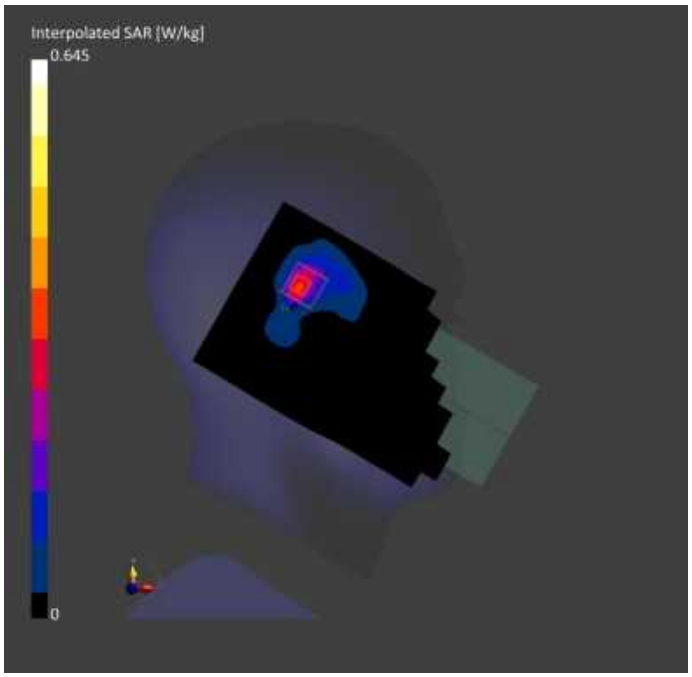
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000, 2024-03-19	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 192.0	24.0 x 24.0 x 24.0
Grid Steps [mm]	12.0 x 12.0	6.0 x 6.0 x 4.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	Y	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-03-19	2024-03-19
psSAR1g [W/kg]	0.503	0.548
psSAR10g [W/kg]	0.228	0.239
Power Drift [dB]	-0.05	-0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		43.6
Dist 3dB Peak [mm]		8.5


Interpolated SAR [W/kg]
0.645
0

Meas.47 Body Plane with Back Side 15mm on Middle Channel in LTE Band42 mode with Antenna 5

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
X6852	165.0 x 75.0 x 10.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	BACK, 15.00	Band 42	LTE-TDD, 10172-CAH	3475.0, 42340	6.7	2.83	38.9	22.5	21.3

Hardware Setup

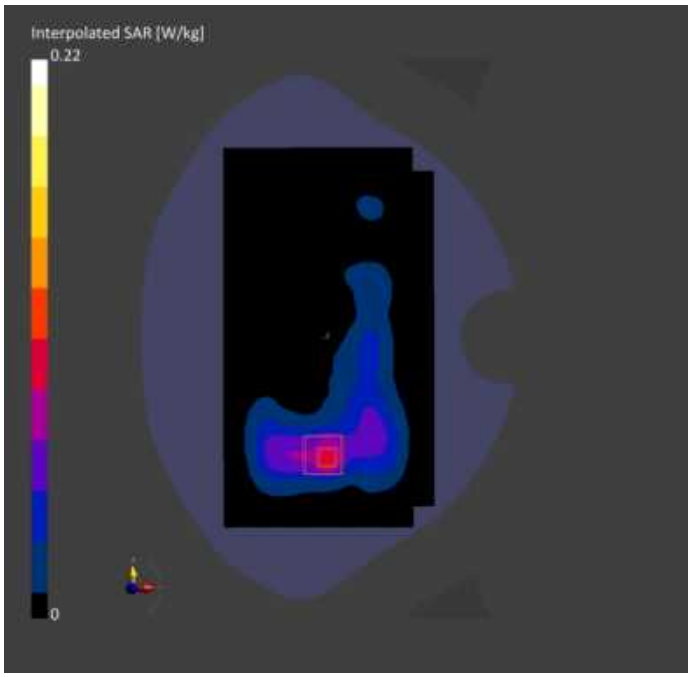
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000, 2024-03-19	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 216.0	24.0 x 24.0 x 24.0
Grid Steps [mm]	12.0 x 12.0	6.0 x 6.0 x 4.0
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	2024-03-19	2024-03-19
psSAR1g [W/kg]	0.184	0.198
psSAR10g [W/kg]	0.093	0.095
Power Drift [dB]	0.03	0.03
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		44.3
Dist 3dB Peak [mm]		8.8


Interpolated SAR [W/kg]
0.22
0

Meas.48 Body Plane with Back Side 10mm on Middle Channel in LTE Band42 mode with Antenna 5

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
X6852	165.0 x 75.0 x 10.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	BACK, 10.00	Band 42	LTE-TDD, 10172-CAH	3475.0, 42340	6.7	2.83	38.9	22.5	21.3

Hardware Setup

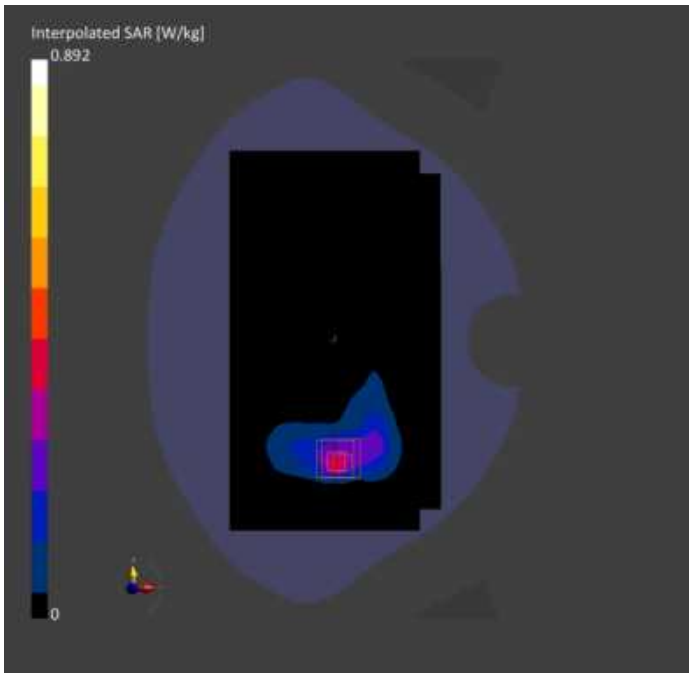
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000, 2024-03-19	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 216.0	24.0 x 24.0 x 24.0
Grid Steps [mm]	12.0 x 12.0	6.0 x 6.0 x 4.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	Y	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-03-19	2024-03-19
psSAR1g [W/kg]	0.496	0.502
psSAR10g [W/kg]	0.218	0.227
Power Drift [dB]	0.02	0.04
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		41.2
Dist 3dB Peak [mm]		7.9


Interpolated SAR [W/kg]
0.892
0

Meas.49 Right Head with Cheek on High Channel in NR Band5 mode with Antenna 4

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
X6852	158.2 x 77.9 x 8.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
RightHead, HSL	CHEEK, 0.00	Band n5	5G NR FR1 FDD, 10931-AAC	839.0, 167800	9.96	0.923	40.6	22.4	21.6

Hardware Setup

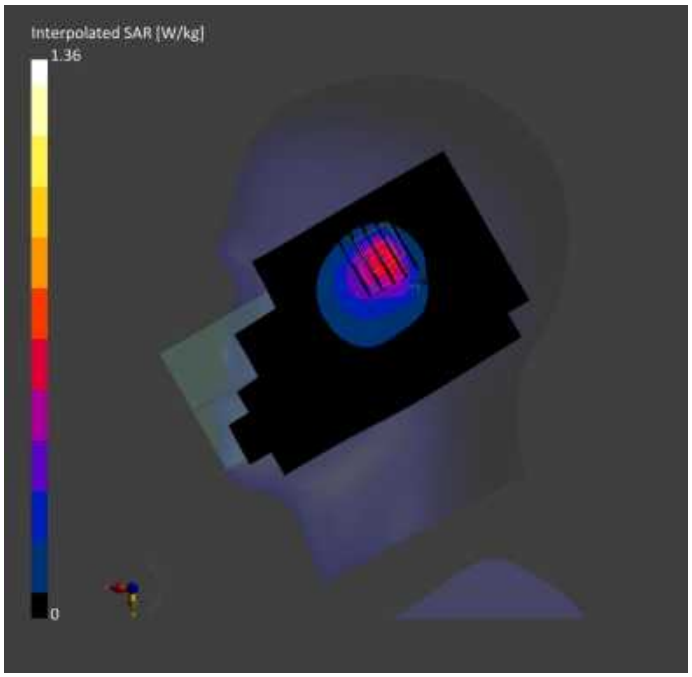
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000, 2024-01-10	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

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

Measurement Results

	Area Scan	Zoom Scan
Date	2024-01-10	2024-01-10
psSAR1g [W/kg]	0.573	0.586
psSAR10g [W/kg]	0.361	0.232
Power Drift [dB]	-0.08	-0.08
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		39.6
Dist 3dB Peak [mm]		4.5


Interpolated SAR [W/kg]
1.36
0

Meas.50 Body Plane with Back Side 15mm on Low Channel in NR Band5 mode with Antenna 0

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
X6852	165.0 x 75.0 x 10.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	BACK, 15.00	Band n5	5G NR FR1 FDD, 10931-AAC	834.0, 166800	9.96	0.885	42.8	22.4	21.6

Hardware Setup

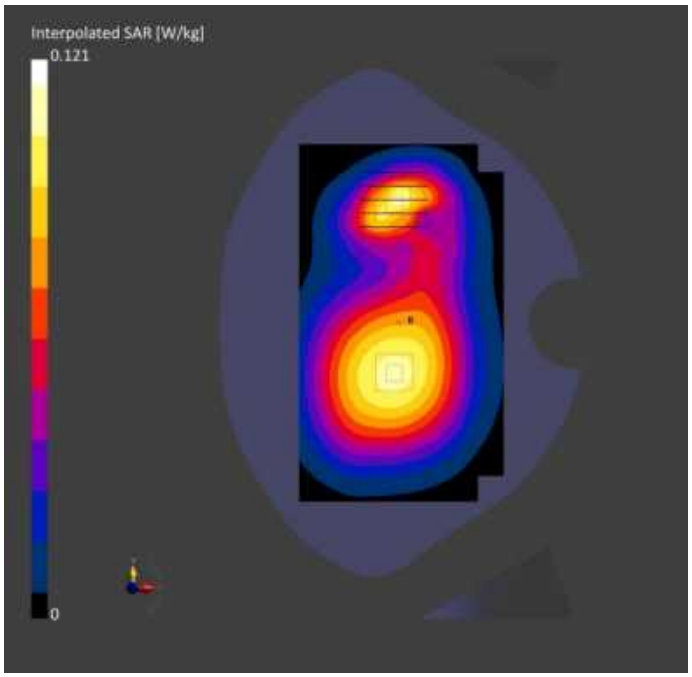
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000, 2024-01-10	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

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

Measurement Results

	Area Scan	Zoom Scan
Date	2024-01-10	2024-01-10
psSAR1g [W/kg]	0.077	0.074
psSAR10g [W/kg]	0.054	0.044
Power Drift [dB]	0.04	-0.13
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		59.6
Dist 3dB Peak [mm]		12.5


Interpolated SAR [W/kg]
0.121
0

Meas.51 Body Plane with Back Side 10mm on Low Channel in NR Band5 mode with Antenna 0

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
X6852	165.0 x 75.0 x 10.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	BACK, 10.00	Band n5	5G NR FR1 FDD, 10931-AAC	834.0, 166800	9.96	0.885	42.8	22.4	21.6

Hardware Setup

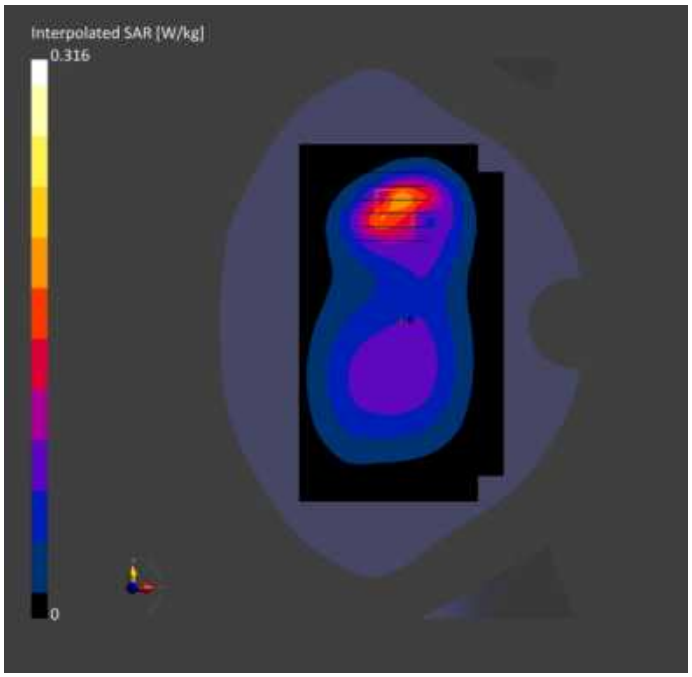
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000, 2024-01-10	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

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

Measurement Results

	Area Scan	Zoom Scan
Date	2024-01-10	2024-01-10
psSAR1g [W/kg]	0.171	0.182
psSAR10g [W/kg]	0.109	0.102
Power Drift [dB]	0.04	-0.06
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		55.9
Dist 3dB Peak [mm]		10.2


Interpolated SAR [W/kg]
0.316
0

Meas.52 Right Head with Tilt on Middle Channel in NR Band7 mode with Antenna 4

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
X6852	165.0 x 75.0 x 10.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
RightHead, HSL	TILT, 0.00	Band n7	5G NR FR1 FDD, 10931-AAC	2535.0, 507000	7.41	1.89	39.8	22.7	21.4

Hardware Setup

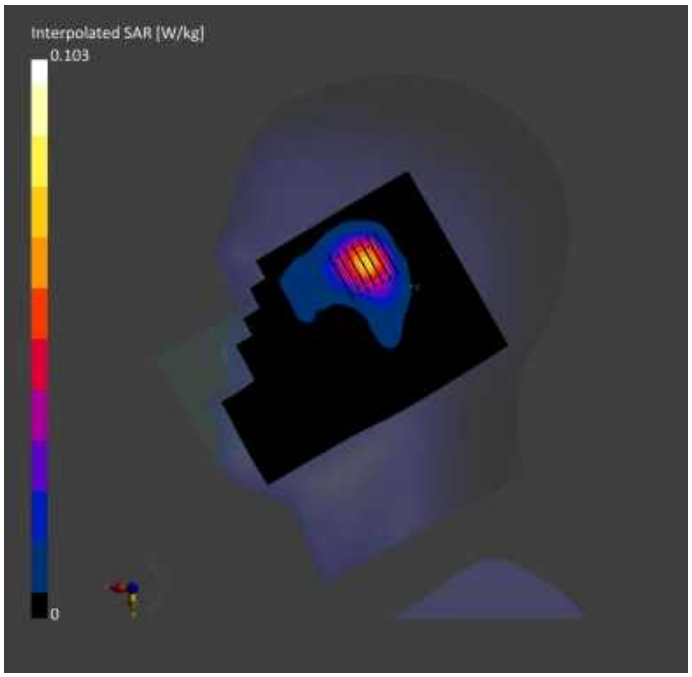
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000, 2024-01-21	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

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

Measurement Results

	Area Scan	Zoom Scan
Date	2024-01-21	2024-01-21
psSAR1g [W/kg]	0.475	0.495
psSAR10g [W/kg]	0.195	0.203
Power Drift [dB]	-0.11	-0.12
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		61.0
Dist 3dB Peak [mm]		> 15.0


Interpolated SAR [W/kg]
0.103
0

Meas.53 Body Plane with Back Side 15mm on Middle Channel in NR Band7 mode with Antenna 1

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
X6852	165.0 x 75.0 x 10.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	BACK, 15.00	Band n7	5G NR FR1 FDD, 10931-AAC	2535.0, 507000	7.41	1.89	39.8	22.7	21.4

Hardware Setup

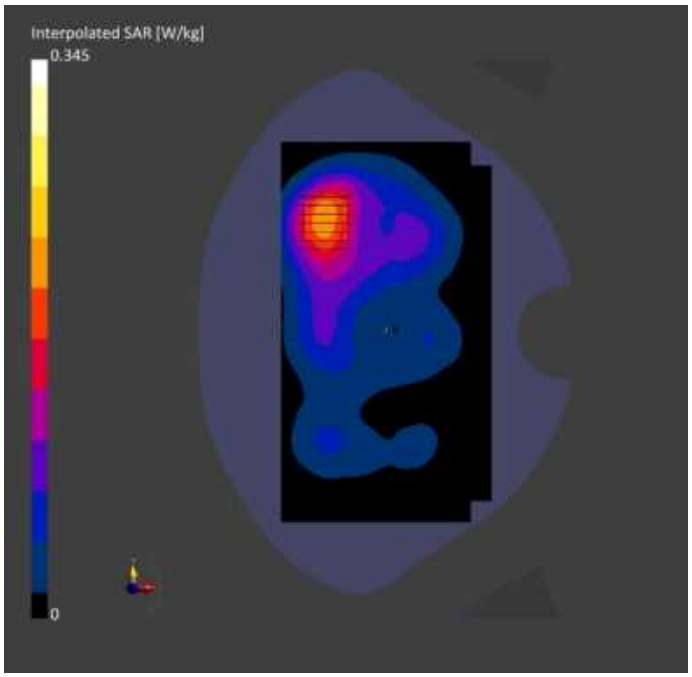
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 , 2024-01-21	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

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

Measurement Results

	Area Scan	Zoom Scan
Date	2024-01-21	2024-01-21
psSAR1g [W/kg]	0.186	0.188
psSAR10g [W/kg]	0.102	0.102
Power Drift [dB]	-0.01	0.02
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		52.4
Dist 3dB Peak [mm]		15.2


Interpolated SAR [W/kg]
0.345
0

Meas.54 Body Plane with Back Side 10mm on Middle Channel in NR Band7 mode with Antenna 1

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
X6852	165.0 x 75.0 x 10.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	BACK, 10.00	Band n7	5G NR FR1 FDD, 10931-AAC	2535.0, 507000	7.41	1.89	39.8	22.7	21.4

Hardware Setup

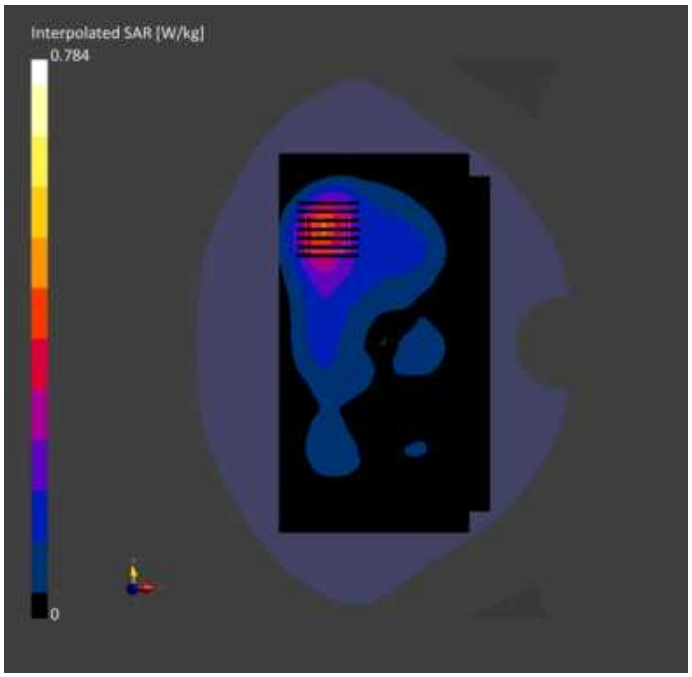
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000, 2024-01-21	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

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

Measurement Results

	Area Scan	Zoom Scan
Date	2024-01-21	2024-01-21
psSAR1g [W/kg]	0.824	0.829
psSAR10g [W/kg]	0.196	0.196
Power Drift [dB]	-0.06	-0.10
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		51.0
Dist 3dB Peak [mm]		3.6


Interpolated SAR [W/kg]
0.784
0

Meas.55 Body Plane with Top Edge 0mm on Middle Channel in NR Band7 mode with Antenna 4

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
X6852	165.0 x 75.0 x 10.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	EDGE TOP, 0.00	Band n7	5G NR FR1 FDD, 10931-AAC	2535.0, 507000	7.41	1.89	39.8	22.7	21.4

Hardware Setup

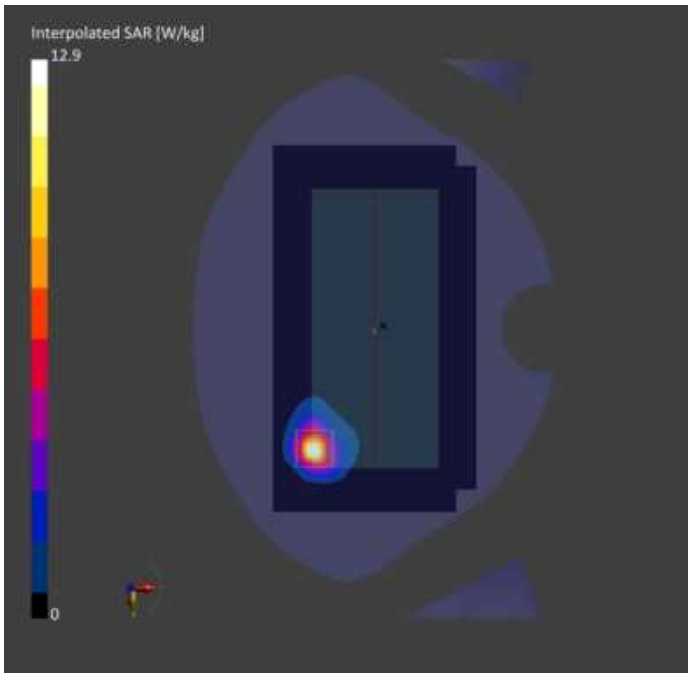
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 , 2024-01-21	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

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

Measurement Results

	Area Scan	Zoom Scan
Date	2024-01-21	2024-01-21
psSAR1g [W/kg]	5.09	5.01
psSAR10g [W/kg]	1.91	1.88
Power Drift [dB]	0.01	-0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		43.3
Dist 3dB Peak [mm]		8.0


Interpolated SAR [W/kg]
12.9
0

Meas.56 Right Head with Tilt on Middle Channel in NR Band12 mode with Antenna 4

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
X6852	158.2 x 77.9 x 8.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
RightHead, HSL	TILT, 0.00	Band n12	5G NR FR1 FDD, 10930-AAC	707.5, 141500	10.31	0.879	42.0	22.1	21.4

Hardware Setup

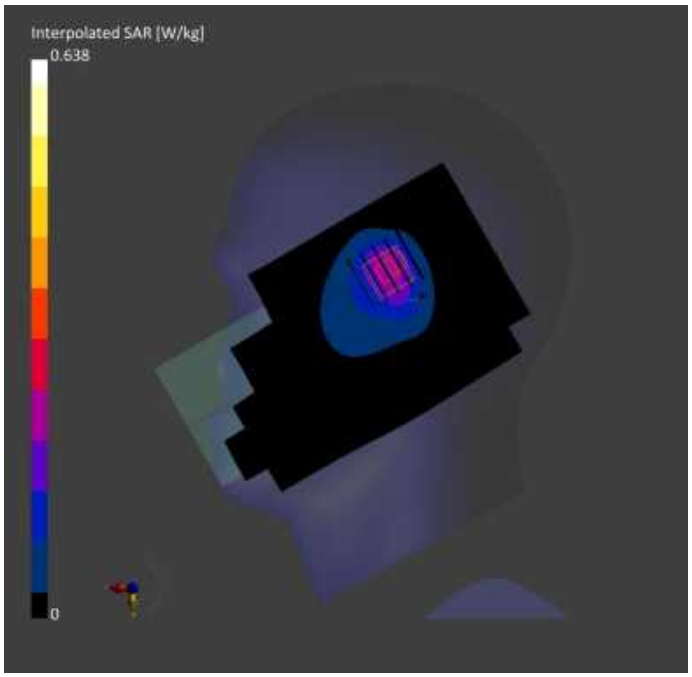
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000, 2024-01-05	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

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

Measurement Results

	Area Scan	Zoom Scan
Date	2024-01-05	2024-01-05
psSAR1g [W/kg]	0.215	0.263
psSAR10g [W/kg]	0.138	0.135
Power Drift [dB]	0.00	0.00
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		34.4
Dist 3dB Peak [mm]		8.0


Interpolated SAR [W/kg]
0.638
0

Meas.57 Body Plane with Back Side 15mm on Middle Channel in NR Band12 mode with Antenna 0

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
X6852	165.0 x 75.0 x 10.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	BACK, 15.00	Band n12	5G NR FR1 FDD, 10930-AAC	707.5, 141500	10.31	0.879	42.0	22.1	21.4

Hardware Setup

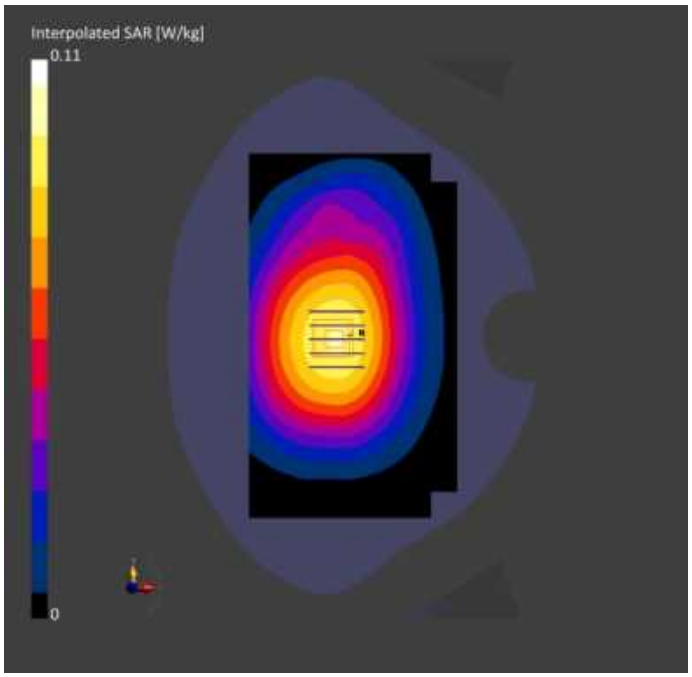
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000, 2024-01-05	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

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

Measurement Results

	Area Scan	Zoom Scan
Date	2024-01-05	2024-01-05
psSAR1g [W/kg]	0.083	0.088
psSAR10g [W/kg]	0.059	0.068
Power Drift [dB]	-0.05	0.09
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		79.6
Dist 3dB Peak [mm]		> 16.0


Interpolated SAR [W/kg]
0.11
0

Meas.58 Body Plane with Back Side 10mm on Middle Channel in NR Band12 mode with Antenna 0

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
X6852	165.0 x 75.0 x 10.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	BACK, 10.00	Band n12	5G NR FR1 FDD, 10930-AAC	707.5, 141500	10.31	0.879	42.0	22.1	21.4

Hardware Setup

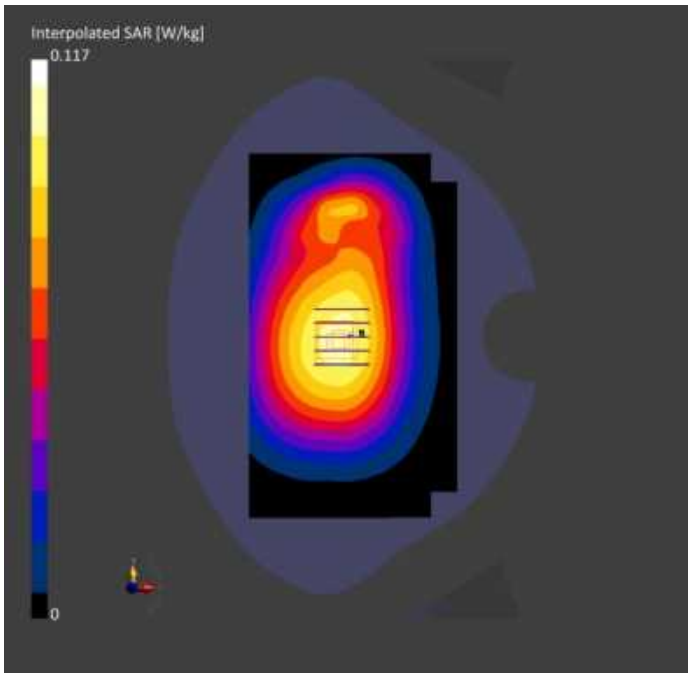
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000, 2024-01-05	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

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

Measurement Results

	Area Scan	Zoom Scan
Date	2024-01-05	2024-01-05
psSAR1g [W/kg]	0.091	0.094
psSAR10g [W/kg]	0.065	0.074
Power Drift [dB]	0.03	-0.09
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		81.2
Dist 3dB Peak [mm]		> 16.0


Interpolated SAR [W/kg]
0.117
0

Meas.59 Right Head with Cheek on Low Channel in NR Band66 mode with Antenna 4

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
X6852	165.0 x 75.0 x 10.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
RightHead, HSL	CHEEK, 0.00	Band n66	5G NR FR1 FDD, 10934-AAC	1730.0, 346000	8.52	1.37	40.9	22.1	21.3

Hardware Setup

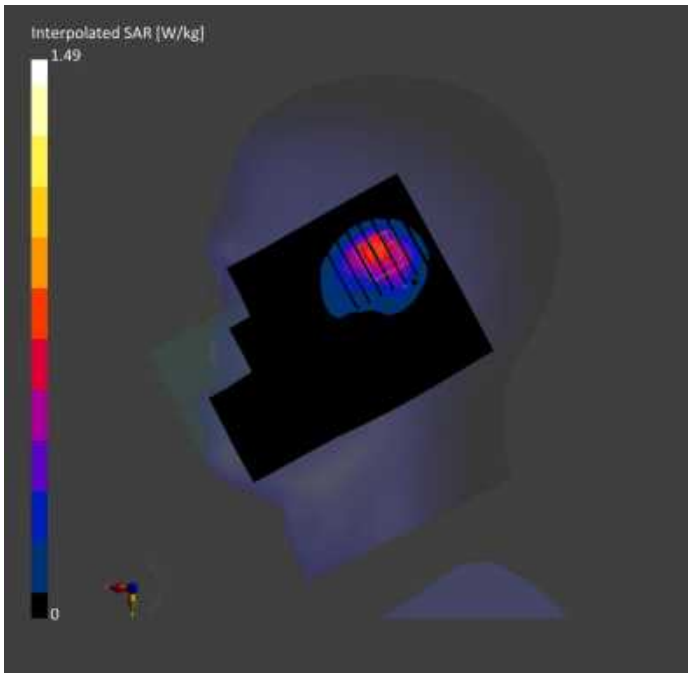
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000, 2024-01-14	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

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

Measurement Results

	Area Scan	Zoom Scan
Date	2024-01-14	2024-01-14
psSAR1g [W/kg]	0.647	0.760
psSAR10g [W/kg]	0.359	0.380
Power Drift [dB]	0.09	0.03
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		48.8
Dist 3dB Peak [mm]		6.4


Interpolated SAR [W/kg]
1.49
0

Meas.60 Body Plane with Back Side 15mm on Middle Channel in NR Band66 mode with Antenna 0

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
X6852	165.0 x 75.0 x 10.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	BACK, 15.00	Band n66	5G NR FR1 FDD, 10934-AAC	1745.0, 349000	8.52	1.38	40.3	22.1	21.3

Hardware Setup

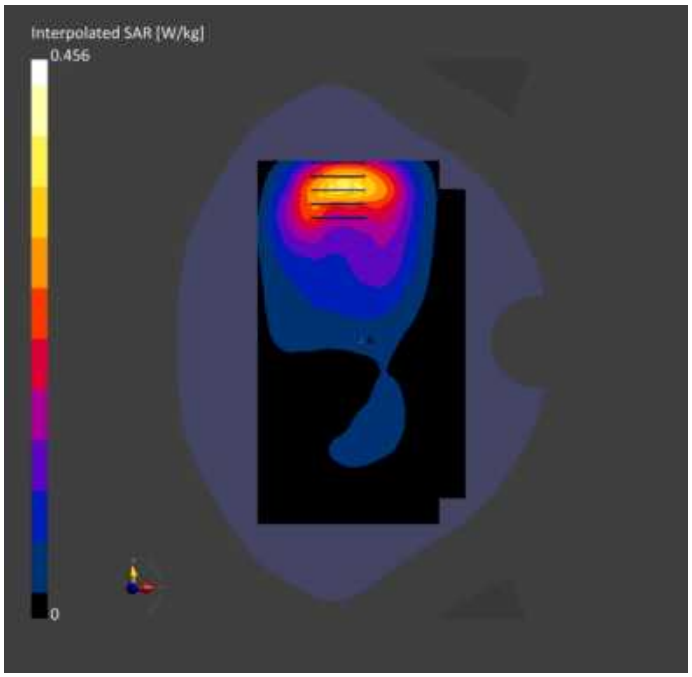
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000, 2024-01-14	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

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

Measurement Results

	Area Scan	Zoom Scan
Date	2024-01-14	2024-01-14
psSAR1g [W/kg]	0.299	0.299
psSAR10g [W/kg]	0.178	0.185
Power Drift [dB]	-0.05	0.06
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		64.7
Dist 3dB Peak [mm]		15.2


Interpolated SAR [W/kg]
0.456
0

Meas.61 Body Plane with Bottom Edge 10mm on Middle Channel in NR Band66 mode with Antenna 0

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
X6852	165.0 x 75.0 x 10.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	EDGE BOTTOM, 10.00	Band n66	5G NR FR1 FDD, 10934-AAC	1745.0, 349000	8.52	1.38	40.3	22.1	21.3

Hardware Setup

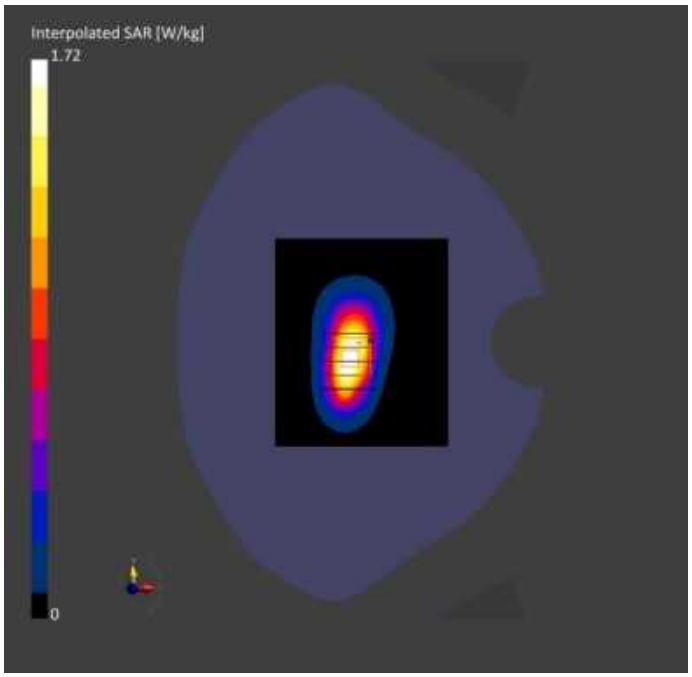
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 , 2024-01-14	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	100.0 x 120.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 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	2024-01-14	2024-01-14
psSAR1g [W/kg]	0.916	0.961
psSAR10g [W/kg]	0.502	0.522
Power Drift [dB]	-0.02	-0.12
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		83.2
Dist 3dB Peak [mm]		9.6


Interpolated SAR [W/kg]
1.72
0

Meas.62 Right Head with Tilt on Middle Channel in NR Band38 mode with Antenna 4

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
X6852	165.0 x 75.0 x 10.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
RightHead, HSL	TILT, 0.00	Band n38	5G NR FR1 TDD, 10794-AAE	2595.0, 519000	7.41	1.97	38.7	22.3	21.2

Hardware Setup

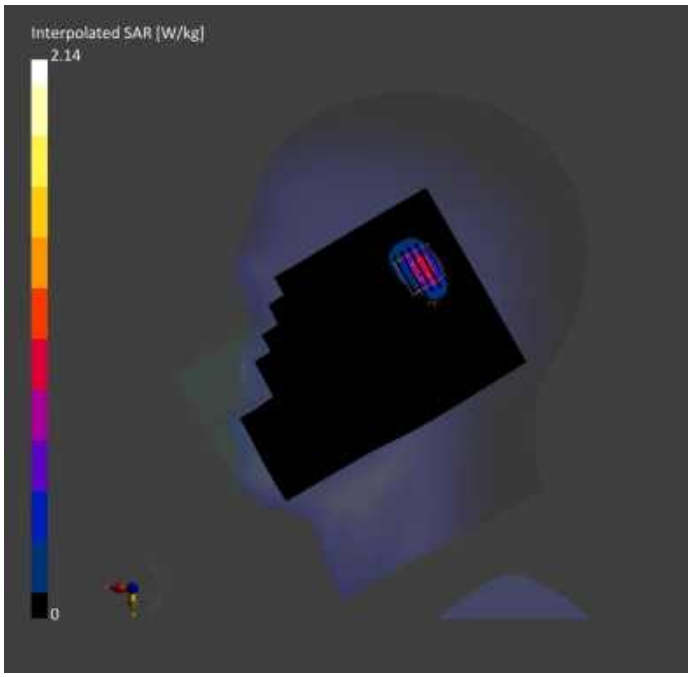
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 , 2024-01-23	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

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

Measurement Results

	Area Scan	Zoom Scan
Date	2024-01-23	2024-01-23
psSAR1g [W/kg]	0.744	0.932
psSAR10g [W/kg]	0.294	0.343
Power Drift [dB]	0.01	-0.06
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		49.5
Dist 3dB Peak [mm]		5.0


Interpolated SAR [W/kg]
2.14
0

Meas.63 Body Plane with Back Side 15mm on Middle Channel in NR Band38 mode with Antenna 4

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
X6852	165.0 x 75.0 x 10.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	BACK, 15.00	Band n38	5G NR FR1 TDD, 10797-AAF	2595.0, 519000	7.41	1.97	38.7	22.3	21.2

Hardware Setup

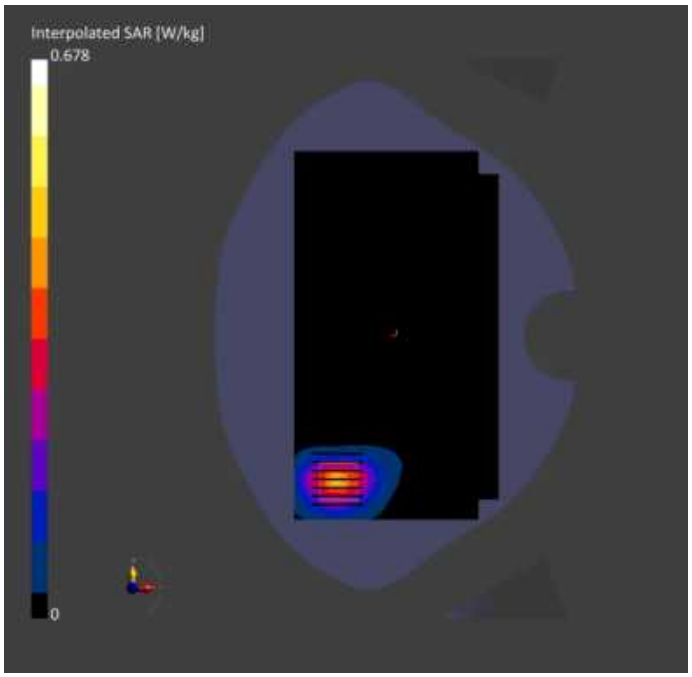
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000, 2024-01-23	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

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

Measurement Results

	Area Scan	Zoom Scan
Date	2024-01-23	2024-01-23
psSAR1g [W/kg]	0.356	0.364
psSAR10g [W/kg]	0.171	0.180
Power Drift [dB]	0.05	-0.02
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		53.0
Dist 3dB Peak [mm]		11.0


Interpolated SAR [W/kg]
0.678
0

Meas.64 Body Plane with Top Edge 10mm on Middle Channel in NR Band38 mode with Antenna 4

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
X6852	165.0 x 75.0 x 10.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	EDGE TOP, 10.00	Band n38	5G NR FR1 TDD, 10794-AAE	2595.0, 519000	7.41	1.97	38.7	22.3	21.2

Hardware Setup

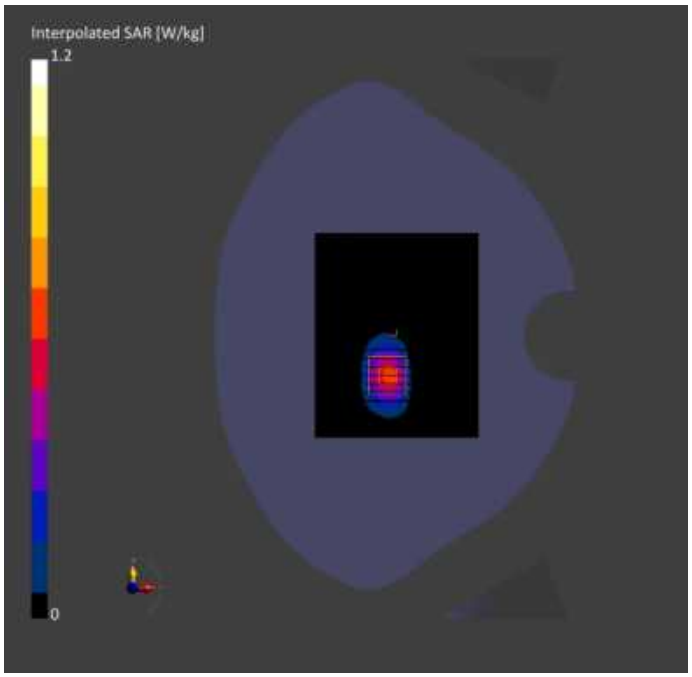
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000, 2024-01-23	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

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

Measurement Results

	Area Scan	Zoom Scan
Date	2024-01-23	2024-01-23
psSAR1g [W/kg]	0.523	0.596
psSAR10g [W/kg]	0.236	0.253
Power Drift [dB]	0.00	-0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		50.2
Dist 3dB Peak [mm]		8.0


Interpolated SAR [W/kg]
1.2
0

Meas.65 Body Plane with Top Edge 0mm on Middle Channel in NR Band38 mode with Antenna 4

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
X6852	165.0 x 75.0 x 10.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	EDGE TOP, 0.00	Band n38	5G NR FR1 TDD, 10900-AAC	2595.0, 519000	7.41	1.97	38.7	22.3	21.2

Hardware Setup

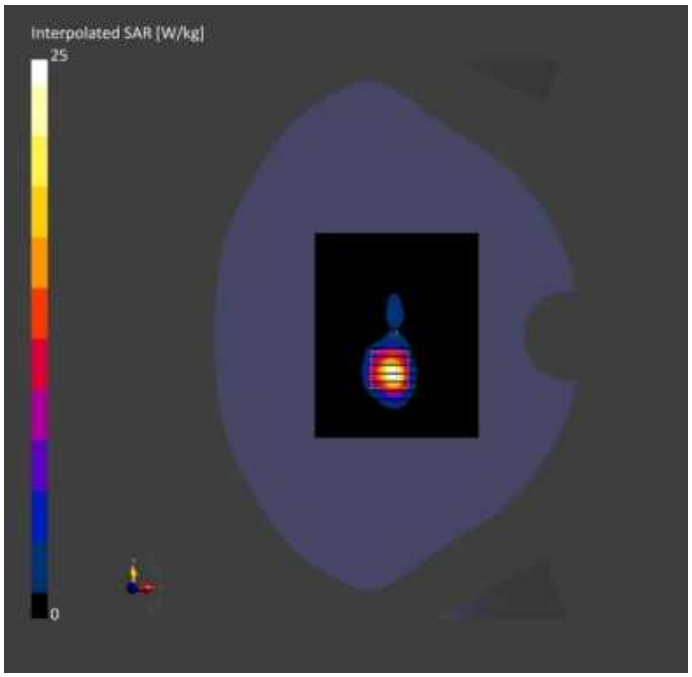
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000, 2024-01-23	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

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

Measurement Results

	Area Scan	Zoom Scan
Date	2024-01-23	2024-01-23
psSAR1g [W/kg]	7.06	8.19
psSAR10g [W/kg]	2.67	2.80
Power Drift [dB]	0.05	0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		38.0
Dist 3dB Peak [mm]		5.0


Interpolated SAR [W/kg]
25
0

Meas.66 Right Head with Tilt on Low Channel in NR Band41 mode with Antenna 4

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
X6852	165.0 x 75.0 x 10.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
RightHead, HSL	TILT, 0.00	Band n41	5G NR FR1 TDD, 10803-AAF	2569.5, 513900	7.41	1.89	40.3	22.4	21.7

Hardware Setup

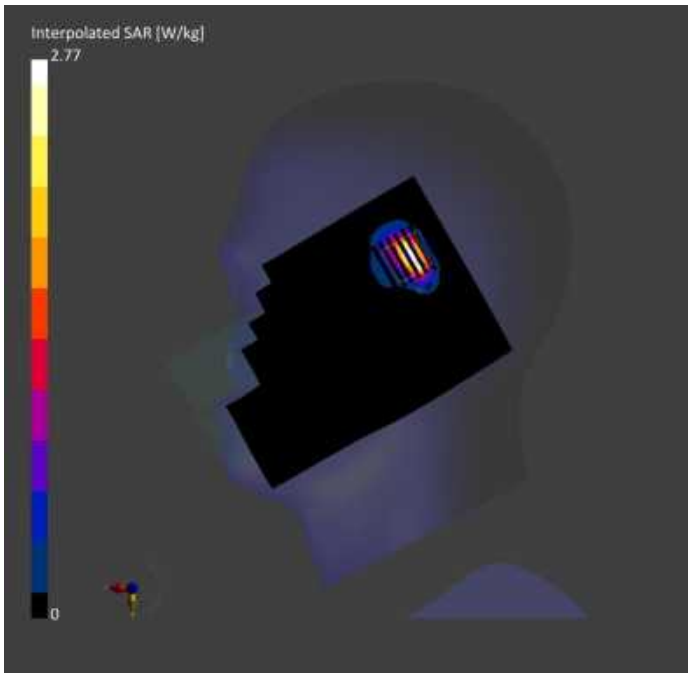
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 , 2024-01-25	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

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

Measurement Results

	Area Scan	Zoom Scan
Date	2024-01-25	2024-01-25
psSAR1g [W/kg]	0.901	0.921
psSAR10g [W/kg]	0.311	0.340
Power Drift [dB]	0.07	-0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		48.9
Dist 3dB Peak [mm]		5.0


Interpolated SAR [W/kg]
2.77
0

Meas.67 Body Plane with Back Side 15mm on Low Channel in NR Band41 mode with Antenna 4

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
X6852	165.0 x 75.0 x 10.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	BACK, 15.00	Band n41	5G NR FR1 TDD, 10803-AAF	2546.0, 509202	7.41	1.86	40.3	22.4	21.7

Hardware Setup

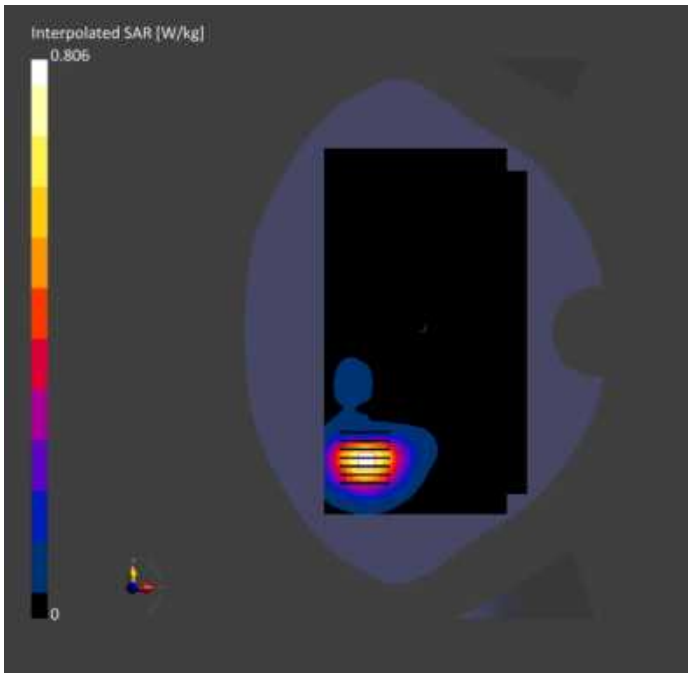
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000, 2024-01-25	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

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

Measurement Results

	Area Scan	Zoom Scan
Date	2024-01-25	2024-01-25
psSAR1g [W/kg]	0.414	0.430
psSAR10g [W/kg]	0.203	0.210
Power Drift [dB]	0.02	-0.03
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		53.2
Dist 3dB Peak [mm]		10.0


Interpolated SAR [W/kg]
0.806
0

Meas.68 Body Plane with Top Edge 10mm on High Channel in NR Band41 mode with Antenna 4

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
X6852	165.0 x 75.0 x 10.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	EDGE TOP, 10.00	Band n41	5G NR FR1 TDD, 10803-AAF	2616.5, 523302	7.41	2.01	38.6	22.4	21.7

Hardware Setup

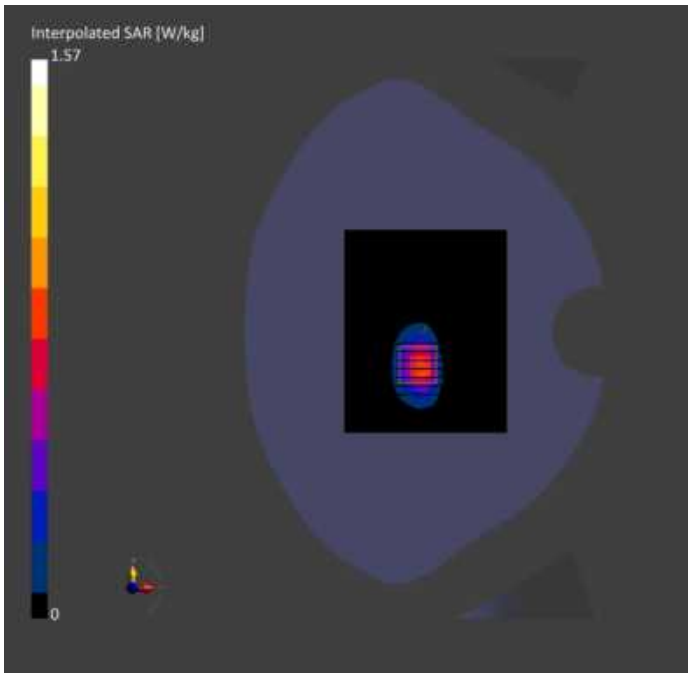
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 , 2024-01-25	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

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

Measurement Results

	Area Scan	Zoom Scan
Date	2024-01-25	2024-01-25
psSAR1g [W/kg]	0.696	0.767
psSAR10g [W/kg]	0.307	0.327
Power Drift [dB]	-0.01	0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		49.6
Dist 3dB Peak [mm]		8.0


Interpolated SAR [W/kg]
1.57
0

Meas.69 Body Plane with Top Edge 0mm on High Channel in NR Band41 mode with Antenna 4

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
X6852	165.0 x 75.0 x 10.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	EDGE TOP, 0.00	Band n41	5G NR FR1 TDD, 10803-AAF	2616.5, 523302	7.41	2.01	38.6	22.4	21.7

Hardware Setup

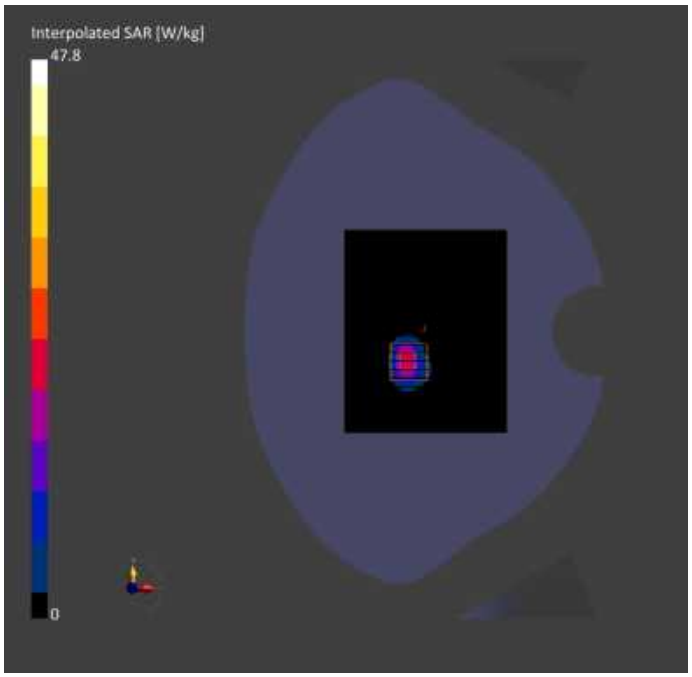
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 , 2024-01-25	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

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

Measurement Results

	Area Scan	Zoom Scan
Date	2024-01-25	2024-01-25
psSAR1g [W/kg]	8.18	8.23
psSAR10g [W/kg]	2.79	2.80
Power Drift [dB]	0.00	0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		32.8
Dist 3dB Peak [mm]		6.0


Interpolated SAR [W/kg]
47.8
0

Meas.70 Right Head with Cheek on Middle Channel in NR Band77 mode with Antenna 3

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
X6852	165.0 x 75.0 x 10.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
RightHead, HSL	CHEEK, 0.00	Band n77	5G NR FR1 TDD, 10803-AAF	3500.0, 633334	6.83	2.98	37.4	22.6	21.5

Hardware Setup

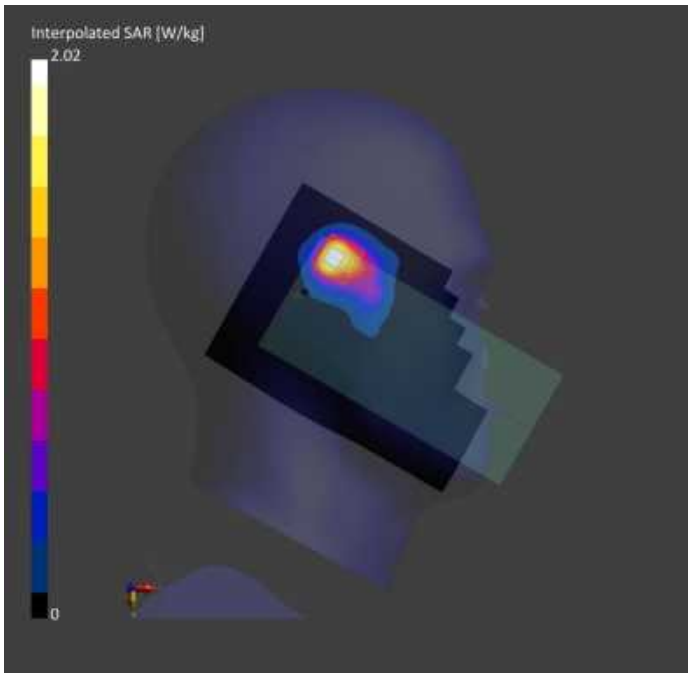
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000, 2024-01-27	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 216.0	24.0 x 24.0 x 24.0
Grid Steps [mm]	12.0 x 12.0	6.0 x 6.0 x 4.0
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	2024-01-27	2024-01-27
psSAR1g [W/kg]	0.738	0797
psSAR10g [W/kg]	0.312	0.326
Power Drift [dB]	0.01	-0.11
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		47.3
Dist 3dB Peak [mm]		7.4


Interpolated SAR [W/kg]
2.02
0

Meas.71 Body Plane with Back Side 15mm on Middle Channel in NR Band77 mode with Antenna 5

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
X6852	165.0 x 75.0 x 10.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	BACK, 15.00	Band n77	5G NR FR1 TDD, 10803-AAF	3500.0, 633334	6.83	2.98	37.4	22.6	21.5

Hardware Setup

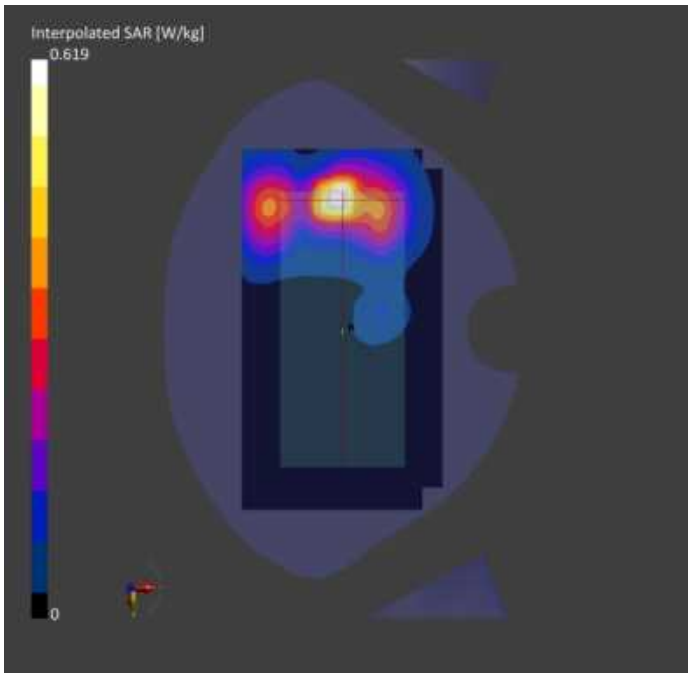
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000, 2024-01-27	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 216.0	24.0 x 24.0 x 24.0
Grid Steps [mm]	12.0 x 12.0	6.0 x 6.0 x 4.0
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	2024-01-27	2024-01-27
psSAR1g [W/kg]	0.231	0.235
psSAR10g [W/kg]	0.098	0.101
Power Drift [dB]	-0.04	-0.06
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		44.3
Dist 3dB Peak [mm]		12.5


Interpolated SAR [W/kg]
0.619
0

Meas.72 Body Plane with Back Side 10mm on Middle Channel in NR Band77 mode with Antenna 5

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
X6852	165.0 x 75.0 x 10.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	BACK, 10.00	Band n77	5G NR FR1 TDD, 10803-AAF	3500.0, 633334	6.83	2.98	37.4	22.6	21.5

Hardware Setup

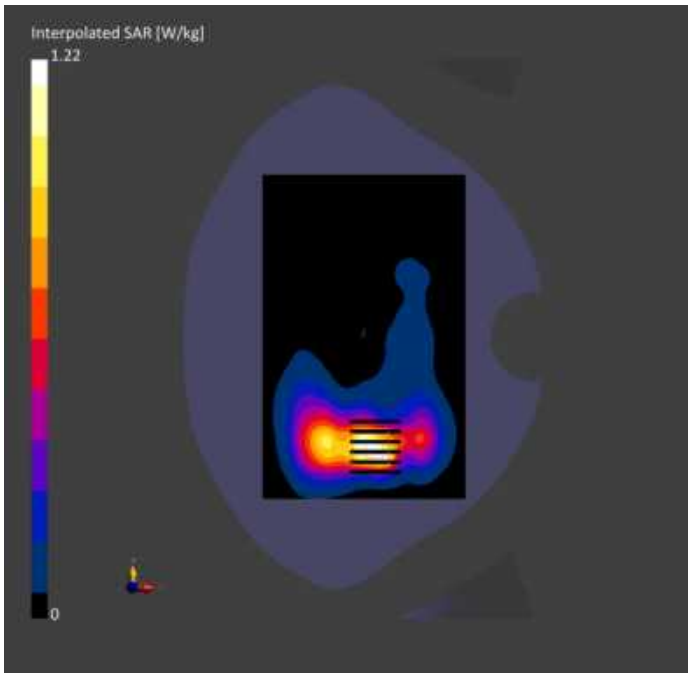
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000, 2024-01-27	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 192.0	24.0 x 24.0 x 24.0
Grid Steps [mm]	12.0 x 12.0	6.0 x 6.0 x 4.0
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	2024-01-27	2024-01-27
psSAR1g [W/kg]	0.643	0.665
psSAR10g [W/kg]	0.286	0.292
Power Drift [dB]	-0.02	0.09
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		50.6
Dist 3dB Peak [mm]		16.6


Interpolated SAR [W/kg]
1.22
0

Meas.73 Body Plane with Right Edge 0mm on Middle Channel in NR Band77 mode with Antenna 2

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
X6852	165.0 x 75.0 x 10.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	EDGE RIGHT, 0.00	Band n77	5G NR FR1 TDD, 10803-AAF	3500.0, 633334	6.83	2.98	37.4	22.6	21.5

Hardware Setup

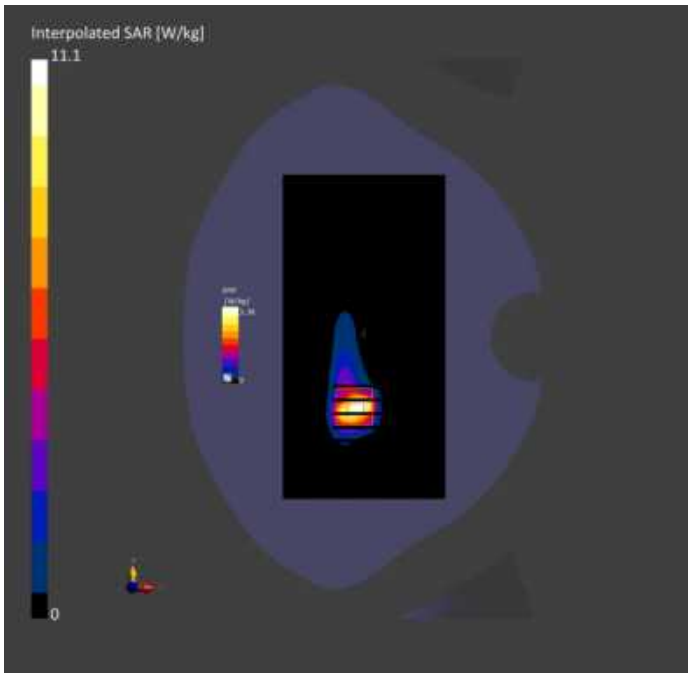
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000, 2024-01-27	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	96.0 x 192.0	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	2024-01-27	2024-01-27
psSAR1g [W/kg]	3.75	4.17
psSAR10g [W/kg]	1.05	1.26
Power Drift [dB]	-0.10	-0.11
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		32.1
Dist 3dB Peak [mm]		5.8


Interpolated SAR [W/kg]
11.1
0

Meas.74 Right Head with Cheek on Middle Channel in NR Band77 mode with Antenna 3

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
X6852	165.0 x 75.0 x 10.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
RightHead, HSL	CHEEK, 0.00	Band n77	5G NR FR1 TDD, 10803-AAF	3840.0, 656000	6.45	3.20	38.1	22.6	21.5

Hardware Setup

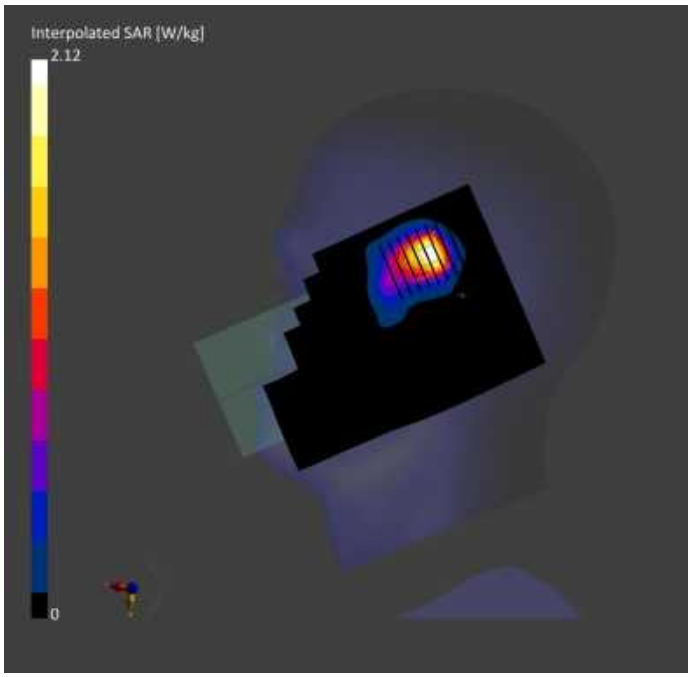
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000, 2024-02-02	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 216.0	24.0 x 24.0 x 24.0
Grid Steps [mm]	12.0 x 12.0	6.0 x 6.0 x 4.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-02-02	2024-02-02
psSAR1g [W/kg]	0.859	0.894
psSAR10g [W/kg]	0.360	0.364
Power Drift [dB]	0.07	0.02
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		47.7
Dist 3dB Peak [mm]		7.0


Interpolated SAR [W/kg]
2.12
0

Meas.75 Body Plane with Back Side 15mm on Middle Channel in NR Band77 mode with Antenna 5

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
X6852	165.0 x 75.0 x 10.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	BACK, 15.00	Band n77	5G NR FR1 TDD, 10803-AAF	3840.0, 656000	6.45	3.20	38.1	22.6	21.5

Hardware Setup

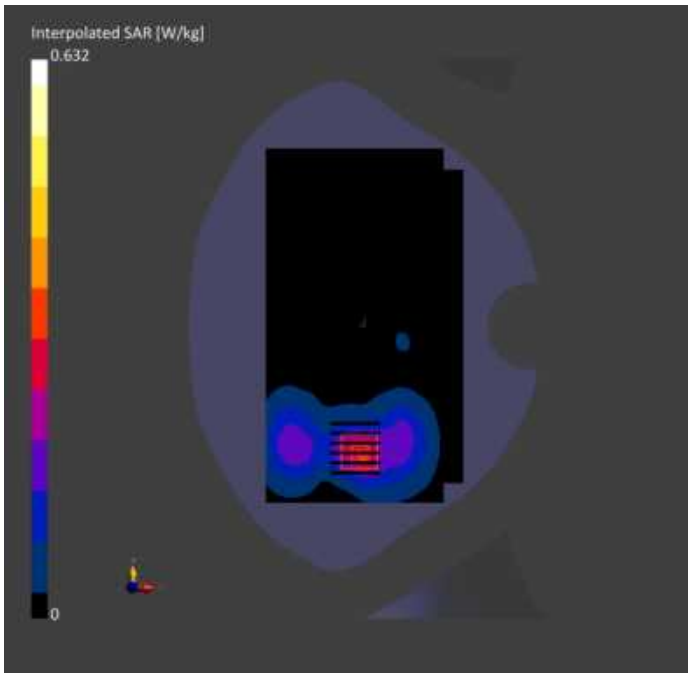
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000, 2024-02-02	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 216.0	24.0 x 24.0 x 24.0
Grid Steps [mm]	12.0 x 12.0	6.0 x 6.0 x 4.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	Y	Y
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-02-02	2024-02-02
psSAR1g [W/kg]	0.253	0.261
psSAR10g [W/kg]	0.116	0.110
Power Drift [dB]	-0.01	0.12
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		44.0
Dist 3dB Peak [mm]		12.0


Interpolated SAR [W/kg]
0.632
0

Meas.76 Body Plane with Back Side 10mm on High Channel in NR Band77 mode with Antenna 5

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
X6852	165.0 x 75.0 x 10.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	BACK, 10.00	Band n77	5G NR FR1 TDD, 10803-AAF	3930.0, 662000	6.45	3.25	37.7	22.6	21.5

Hardware Setup

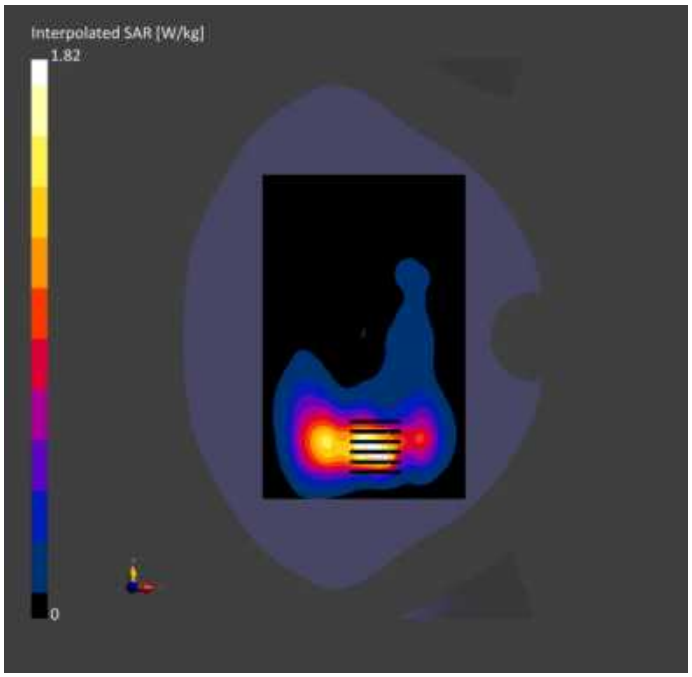
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000, 2024-02-02	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 192.0	24.0 x 24.0 x 24.0
Grid Steps [mm]	12.0 x 12.0	6.0 x 6.0 x 4.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-02-02	2024-02-02
psSAR1g [W/kg]	0.690	0.742
psSAR10g [W/kg]	0.316	0.313
Power Drift [dB]	-0.15	0.03
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		49.1
Dist 3dB Peak [mm]		15.8


Interpolated SAR [W/kg]
1.82
0

Meas.77 Body Plane with Right Edge 0mm on High Channel in NR Band77 mode with Antenna 2

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
X6852	165.0 x 75.0 x 10.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	EDGE RIGHT, 0.00	Band n77	5G NR FR1 TDD, 10803-AAF	3930.0, 662000	6.45	3.25	37.7	22.6	21.5

Hardware Setup

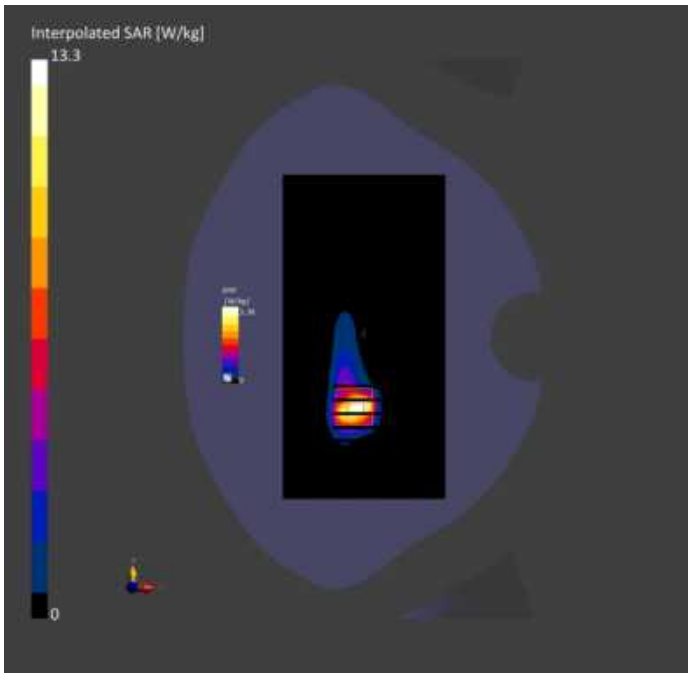
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000, 2024-02-02	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	96.0 x 192.0	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	2024-02-02	2024-02-02
psSAR1g [W/kg]	2.86	4.89
psSAR10g [W/kg]	1.07	1.40
Power Drift [dB]	0.10	0.15
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		29.3
Dist 3dB Peak [mm]		5.1


Interpolated SAR [W/kg]
13.3
0

Meas.78 Right Head with Cheek on Middle Channel in NR Band78 mode with Antenna 3

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
X6852	165.0 x 75.0 x 10.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
RightHead, HSL	CHEEK, 0.00	Band n78	5G NR FR1 TDD, 10803-AAF	3500.0, 633334	6.70	2.81	38.2	22.3	21.2

Hardware Setup

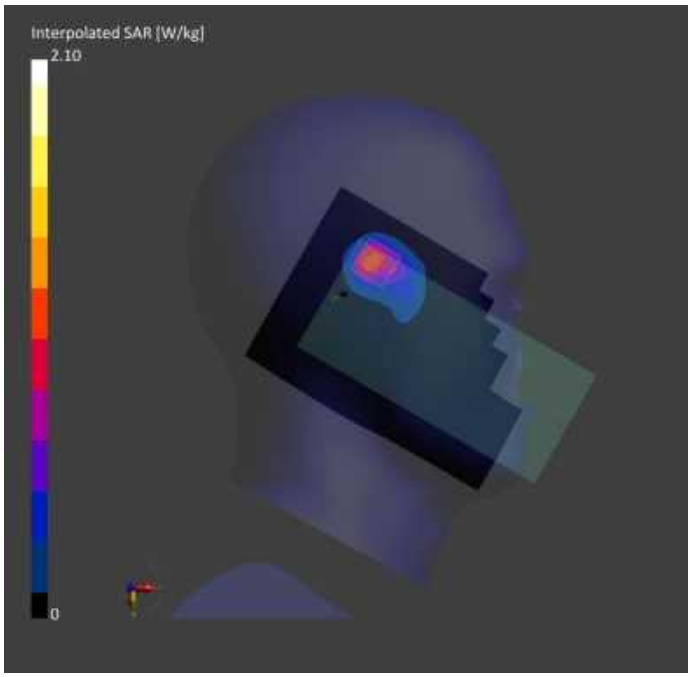
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000, 2024-02-01	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 216.0	24.0 x 24.0 x 24.0
Grid Steps [mm]	12.0 x 12.0	6.0 x 6.0 x 4.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-02-01	2024-02-01
psSAR1g [W/kg]	0.708	0.711
psSAR10g [W/kg]	0.272	0.278
Power Drift [dB]	0.03	-0.09
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		45.5
Dist 3dB Peak [mm]		7.3


Interpolated SAR [W/kg]
2.10
0

Meas.79 Body Plane with Back Side 15mm on Middle Channel in NR Band78 mode with Antenna 5

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
X6852	165.0 x 75.0 x 10.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	BACK, 15.00	Band n78	5G NR FR1 TDD, 10803-AAF	3500.0, 633334	6.70	2.81	38.2	22.3	21.2

Hardware Setup

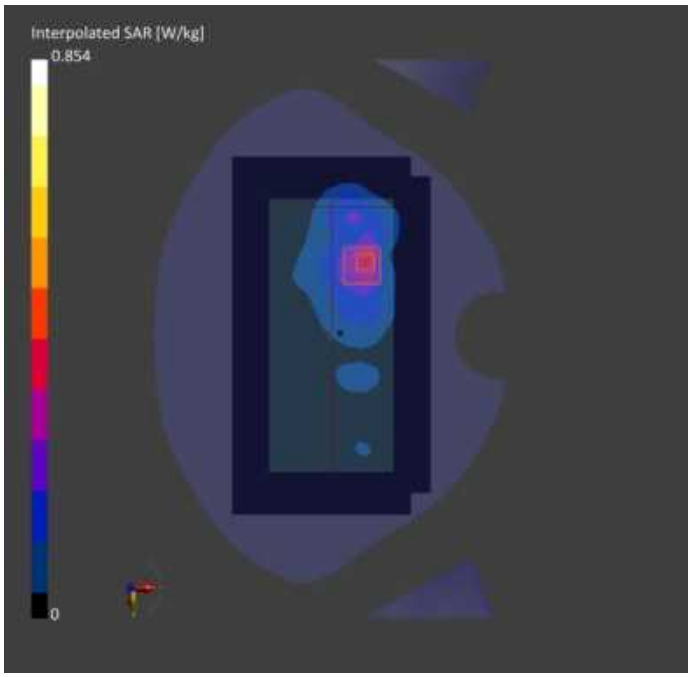
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000, 2024-02-01	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 216.0	24.0 x 24.0 x 24.0
Grid Steps [mm]	12.0 x 12.0	6.0 x 6.0 x 4.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	Y	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-02-01	2024-02-01
psSAR1g [W/kg]	0.236	0.232
psSAR10g [W/kg]	0.083	0.087
Power Drift [dB]	0.07	0.13
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		43.2
Dist 3dB Peak [mm]		9.5


Interpolated SAR [W/kg]
0.854
0

Meas.80 Body Plane with Top Edge 10mm on Middle Channel in NR Band78 mode with Antenna 5

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
X6852	165.0 x 75.0 x 10.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	EDGE TOP, 10.00	Band n78	5G NR FR1 TDD, 10803-AAF	3500.0, 633334	6.70	2.81	38.2	22.3	21.2

Hardware Setup

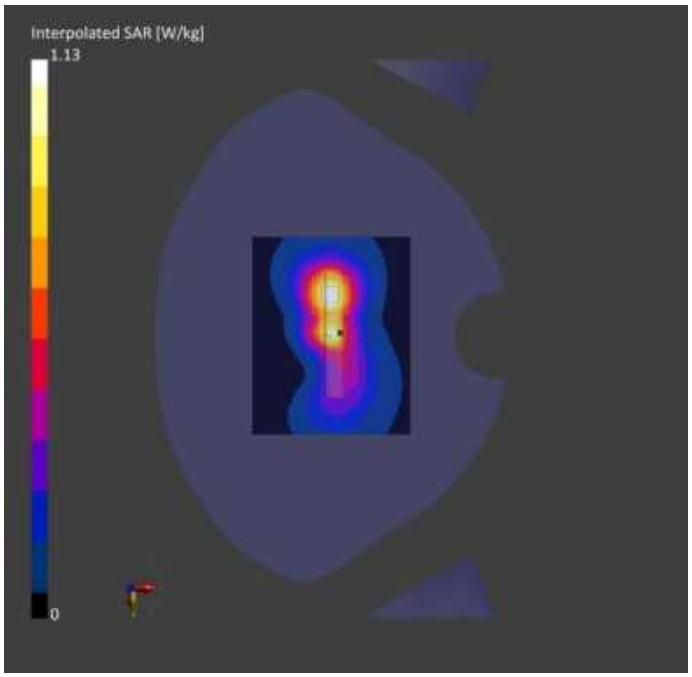
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000, 2024-02-01	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	96.0 x 120.0	24.0 x 24.0 x 24.0
Grid Steps [mm]	12.0 x 12.0	6.0 x 6.0 x 4.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-02-01	2024-02-01
psSAR1g [W/kg]	0.519	0.521
psSAR10g [W/kg]	0.215	0.216
Power Drift [dB]	-0.06	-0.10
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		48.4
Dist 3dB Peak [mm]		11.7


Interpolated SAR [W/kg]
1.13
0

Meas.81 Right Head with Cheek on Middle Channel in NR Band78 mode with Antenna 3

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
X6852	165.0 x 75.0 x 10.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
RightHead, HSL	CHEEK, 0.00	Band n78	5G NR FR1 TDD, 10803-AAF	3750.0, 650000	6.57	3.20	37.8	22.5	21.3

Hardware Setup

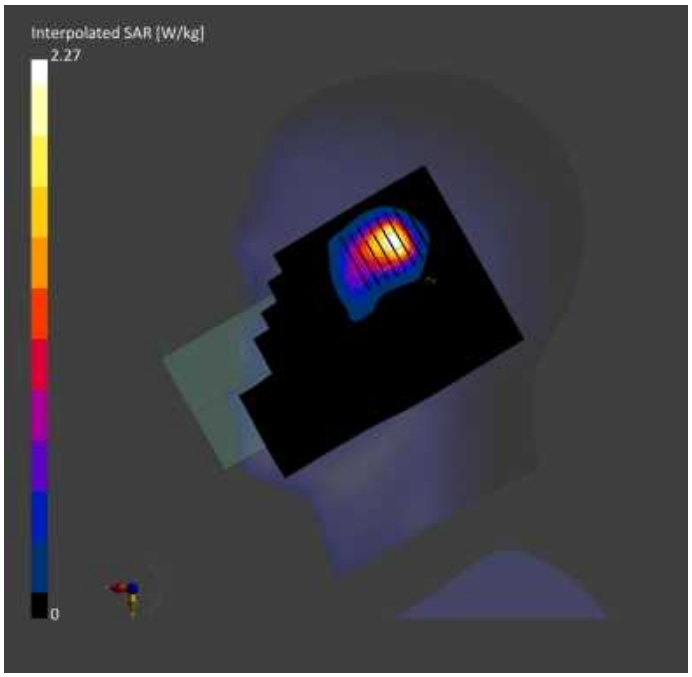
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000, 2024-02-03	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 216.0	24.0 x 24.0 x 24.0
Grid Steps [mm]	12.0 x 12.0	6.0 x 6.0 x 4.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-02-03	2024-02-03
psSAR1g [W/kg]	0.894	0.949
psSAR10g [W/kg]	0.374	0.385
Power Drift [dB]	-0.06	-0.05
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		46.6
Dist 3dB Peak [mm]		7.0


Interpolated SAR [W/kg]
2.27
0

Meas.82 Body Plane with Back Side 15mm on Middle Channel in NR Band78 mode with Antenna 5

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
X6852	165.0 x 75.0 x 10.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	BACK, 15.00	Band n78	5G NR FR1 TDD, 10803-AAF	3750.0, 650000	6.57	3.20	37.8	22.5	21.3

Hardware Setup

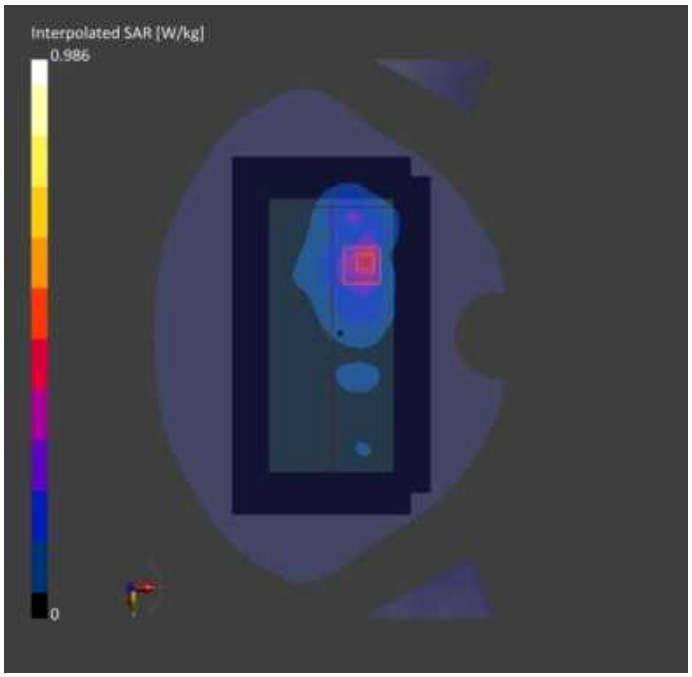
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000, 2024-02-03	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 216.0	24.0 x 24.0 x 24.0
Grid Steps [mm]	12.0 x 12.0	6.0 x 6.0 x 4.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	Y	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-02-03	2024-02-03
psSAR1g [W/kg]	0.268	0.275
psSAR10g [W/kg]	0.103	0.105
Power Drift [dB]	0.10	0.12
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		42.4
Dist 3dB Peak [mm]		9.7


Interpolated SAR [W/kg]
0.986
0

Meas.83 Body Plane with Top Edge 10mm on Middle Channel in NR Band78 mode with Antenna 5

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
X6852	165.0 x 75.0 x 10.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	EDGE TOP, 10.00	Band n78	5G NR FR1 TDD, 10866-AAF	3750.0, 650000	6.57	3.20	37.8	22.5	21.3

Hardware Setup

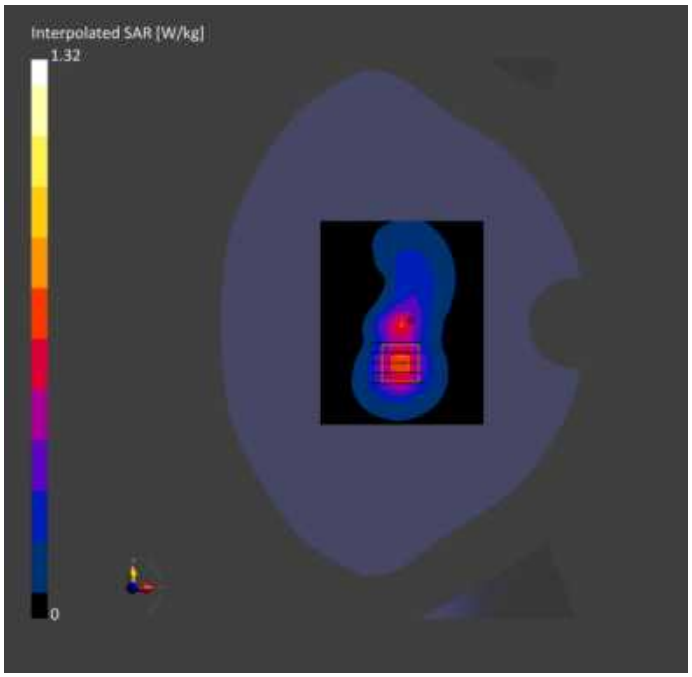
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000, 2024-02-03	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	96.0 x 120.0	24.0 x 24.0 x 24.0
Grid Steps [mm]	12.0 x 12.0	6.0 x 6.0 x 4.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-02-03	2024-02-03
psSAR1g [W/kg]	0.561	0.580
psSAR10g [W/kg]	0.245	0.261
Power Drift [dB]	0.09	0.04
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		49.1
Dist 3dB Peak [mm]		12.9


Interpolated SAR [W/kg]
1.32
0

Meas.84 Body Plane with Right Edge 10mm on Middle Channel in NR Band78 mode with Antenna 2

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
X6852	165.0 x 75.0 x 10.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	EDGE RIGHT, 0.00	Band n78	5G NR FR1 TDD, 10866-AAF	3750.0, 650000	6.57	3.20	37.8	22.5	21.3

Hardware Setup

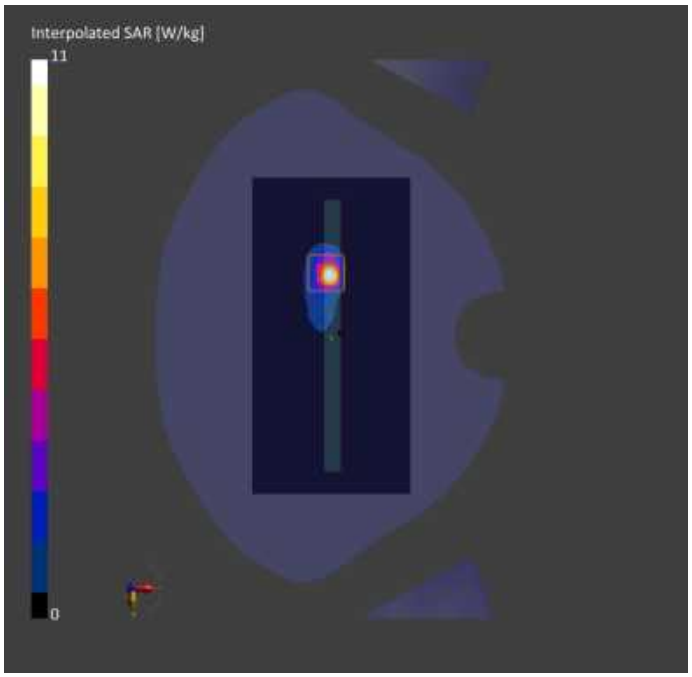
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 , 2024-02-03	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	96.0 x 192.0	24.0 x 24.0 x 24.0
Grid Steps [mm]	12.0 x 12.0	6.0 x 6.0 x 4.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-02-03	2024-02-03
psSAR1g [W/kg]	3.63	4.55
psSAR10g [W/kg]	0.984	1.14
Power Drift [dB]	0.00	0.07
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		37.5
Dist 3dB Peak [mm]		4.8


Interpolated SAR [W/kg]
11
0

Meas.85 Left Head with Cheek on 6 Channel in IEEE802.11b mode with Antenna 6

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
X6852	160.0 x 70.0 x 8.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
LeftHead, HSL	CHEEK, 0.00	WLAN 2.4GHz	WLAN, 10012-CAB	2437.0, 6	7.47	1.84	39.4	22.3	21.5

Hardware Setup

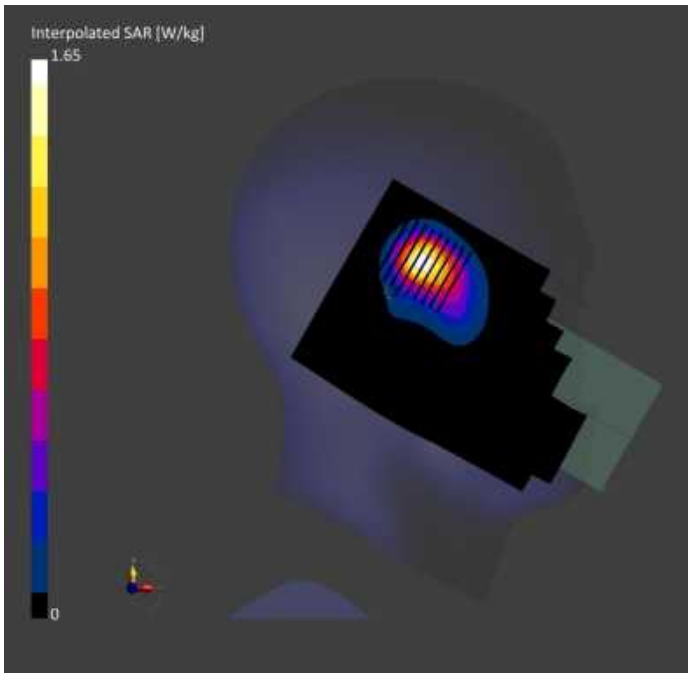
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000, 2024-01-18	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

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

Measurement Results

	Area Scan	Zoom Scan
Date	2024-01-18	2024-01-18
psSAR1g [W/kg]	0.810	0.862
psSAR10g [W/kg]	0.400	0.418
Power Drift [dB]	-0.04	-0.02
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		54.3
Dist 3dB Peak [mm]		10.0


Interpolated SAR [W/kg]
1.65
0

Meas.86 Body Plane with Back Side 15mm on 6 Channel in IEEE802.11b mode with Antenna 6

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
X6852	165.0 x 75.0 x 10.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	BACK, 15.00	WLAN 2.4GHz	WLAN, 10012-CAB	2437.0, 6	7.47	1.84	39.4	22.3	21.5

Hardware Setup

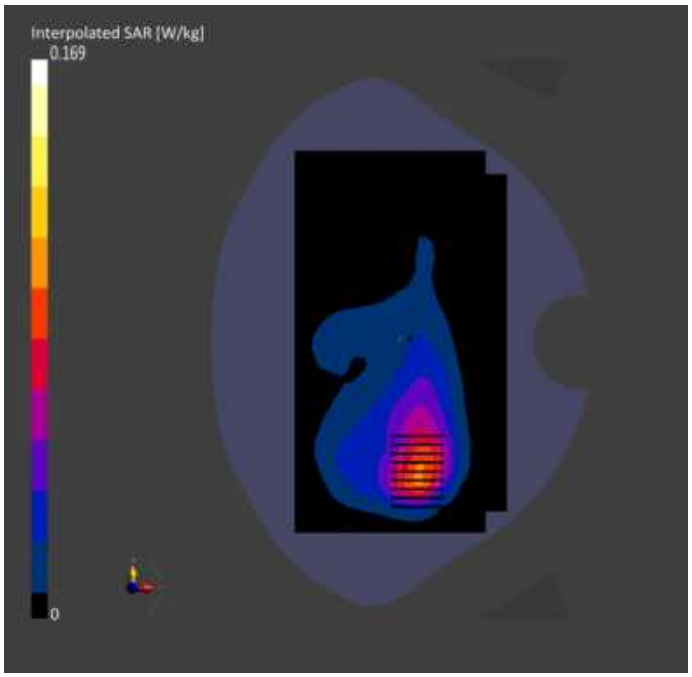
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000, 2024-01-18	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

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

Measurement Results

	Area Scan	Zoom Scan
Date	2024-01-18	2024-01-18
psSAR1g [W/kg]	0.110	0.106
psSAR10g [W/kg]	0.060	0.059
Power Drift [dB]	0.07	0.09
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		46.3
Dist 3dB Peak [mm]		12.1


Interpolated SAR [W/kg]
0.169
0

Meas.87 Body Plane with Back Side 10mm on 6 Channel in IEEE802.11b mode with Antenna 6

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
X6852	165.0 x 75.0 x 10.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	BACK, 10.00	WLAN 2.4GHz	WLAN, 10012-CAB	2437.0, 6	7.47	1.84	39.4	22.3	21.5

Hardware Setup

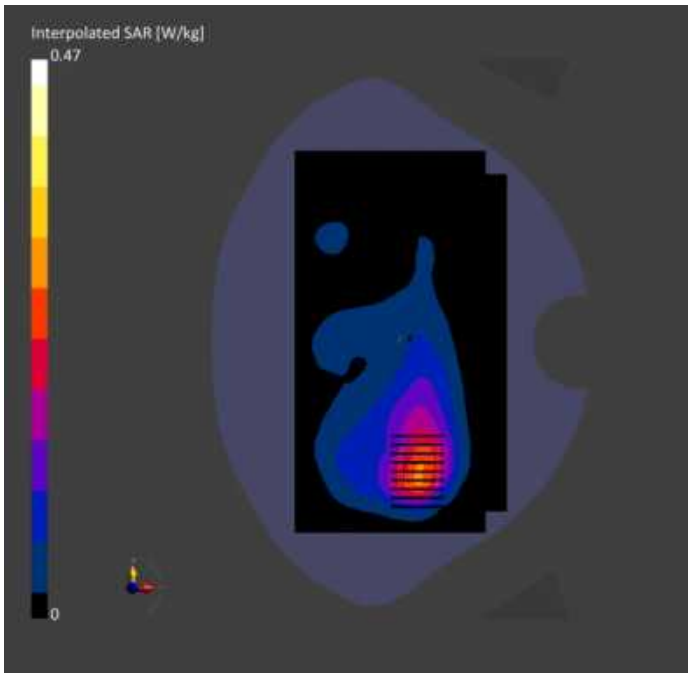
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000, 2024-01-18	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

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

Measurement Results

	Area Scan	Zoom Scan
Date	2024-01-18	2024-01-18
psSAR1g [W/kg]	0.230	0.230
psSAR10g [W/kg]	0.126	0.122
Power Drift [dB]	0.03	0.03
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		45.2
Dist 3dB Peak [mm]		12.0


Interpolated SAR [W/kg]
0.47
0

Meas.88 Left Head with Cheek on 52 Channel in IEEE802.11a mode with Antenna 6

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
X6852	160.0 x 70.0 x 8.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
LeftHead, HSL	CHEEK, 0.00	WLAN 5GHz	WLAN, 10062-CAD	5260.0, 52	5.41	4.66	36.3	22.4	21.7

Hardware Setup

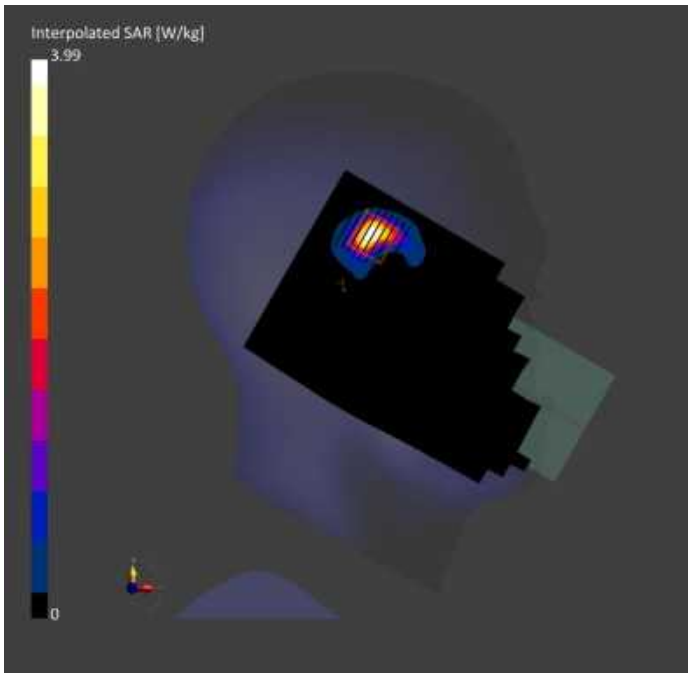
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000, 2024-01-28	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

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

Measurement Results

	Area Scan	Zoom Scan
Date	2024-01-28	2024-01-28
psSAR1g [W/kg]	0.697	0.927
psSAR10g [W/kg]	0.217	0.238
Power Drift [dB]	-0.09	0.02
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		51.2
Dist 3dB Peak [mm]		4.5


Interpolated SAR [W/kg]
3.99
0

Meas.89 Left Head with Cheek on 140 Channel in IEEE802.11a mode with Antenna 6

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
X6852	160.0 x 70.0 x 8.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
LeftHead, HSL	CHEEK, 0.00	WLAN 5GHz	WLAN, 10062-CAD	5700.0, 140	4.78	5.21	34.1	22.6	21.9

Hardware Setup

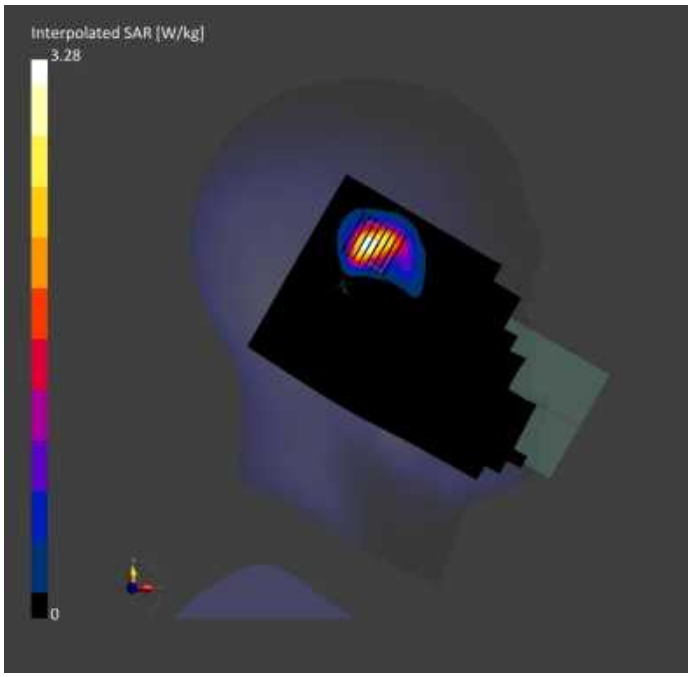
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000, 2024-01-29	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

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

Measurement Results

	Area Scan	Zoom Scan
Date	2024-01-29	2024-01-29
psSAR1g [W/kg]	0.766	0.835
psSAR10g [W/kg]	0.272	0.298
Power Drift [dB]	0.06	0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		47.8
Dist 3dB Peak [mm]		6.8


Interpolated SAR [W/kg]
3.28
0

Meas.90 Left Head with Cheek on 157 Channel in IEEE802.11a mode with Antenna 6

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
X6852	160.0 x 70.0 x 8.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
LeftHead, HSL	CHEEK, 0.00	WLAN 5GHz	WLAN, 10062-CAD	5785.0, 157	4.78	5.13	35.4	22.3	21.7

Hardware Setup

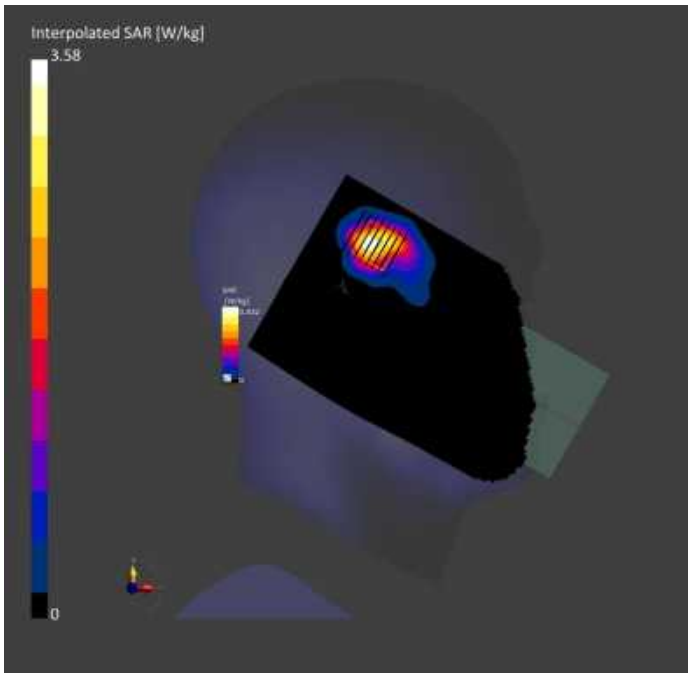
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000, 2024-01-30	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

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

Measurement Results

	Area Scan	Zoom Scan
Date	2024-01-30	2024-01-30
psSAR1g [W/kg]	0.835	0.901
psSAR10g [W/kg]	0.300	0.326
Power Drift [dB]	-0.16	0.04
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		46.0
Dist 3dB Peak [mm]		7.2


Interpolated SAR [W/kg]
3.58
0

Meas.91 Body Plane with Back Side 15mm on 60 Channel in IEEE802.11a mode with Antenna 6

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
X6852	165.0 x 75.0 x 10.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	BACK, 15.00	WLAN 5GHz	WLAN, 10062-CAD	5300.0, 60	5.41	4.72	36.1	22.4	21.7

Hardware Setup

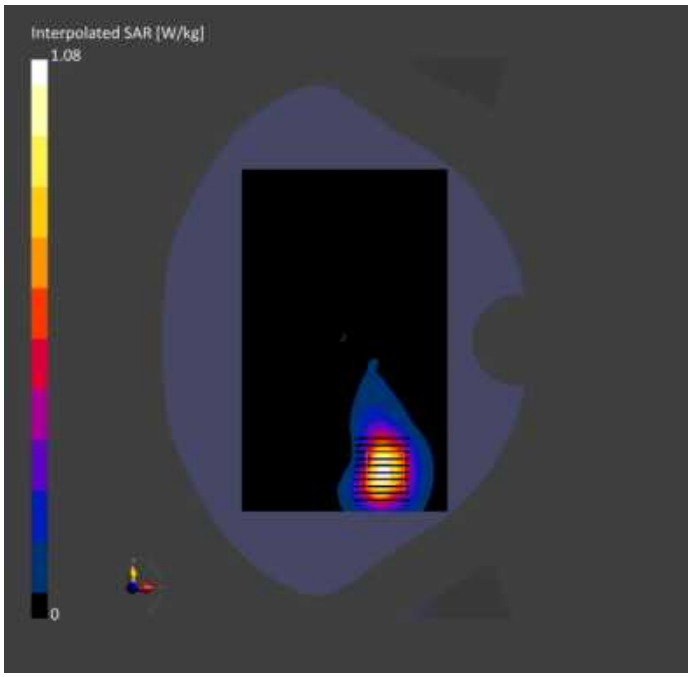
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000, 2024-01-28	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

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

Measurement Results

	Area Scan	Zoom Scan
Date	2024-01-28	2024-01-28
psSAR1g [W/kg]	0.335	0.339
psSAR10g [W/kg]	0.132	0.133
Power Drift [dB]	0.01	0.04
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		55.1
Dist 3dB Peak [mm]		10.1


Interpolated SAR [W/kg]
1.08
0

Meas.92 Body Plane with Back Side 15mm on 140 Channel in IEEE802.11a mode with Antenna 6

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
X6852	165.0 x 75.0 x 10.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	BACK, 15.00	WLAN 5GHz	WLAN, 10062-CAD	5580.0, 116	4.78	5.21	34.1	22.6	21.9

Hardware Setup

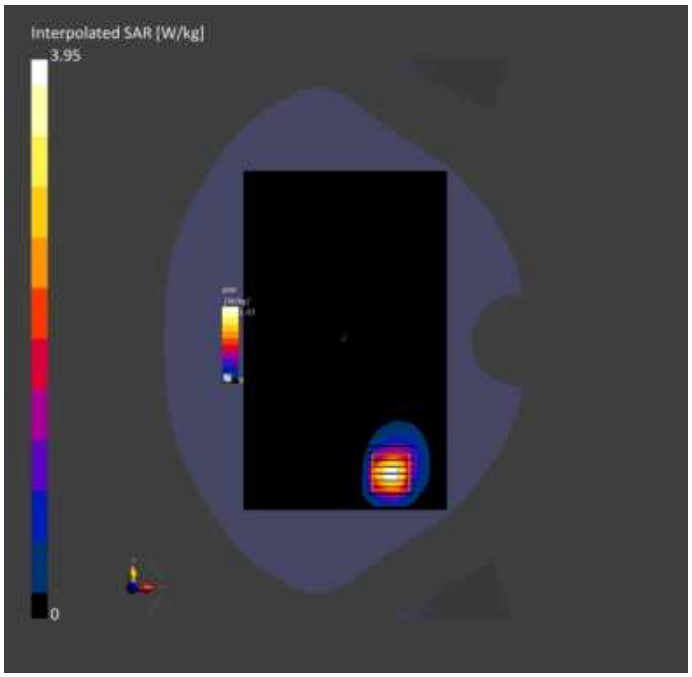
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000, 2024-01-29	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

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

Measurement Results

	Area Scan	Zoom Scan
Date	2024-01-29	2024-01-29
psSAR1g [W/kg]	0.803	0.876
psSAR10g [W/kg]	0.285	0.304
Power Drift [dB]	0.00	-0.02
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		54.2
Dist 3dB Peak [mm]		7.6


Interpolated SAR [W/kg]
3.95
0

Meas.93 Body Plane with Back Side 15mm on 149 Channel in IEEE802.11a mode with Antenna 6

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
X6852	165.0 x 75.0 x 10.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	BACK, 15.00	WLAN 5GHz	WLAN, 10062-CAD	5745.0, 149	4.78	5.31	34.7	22.3	21.7

Hardware Setup

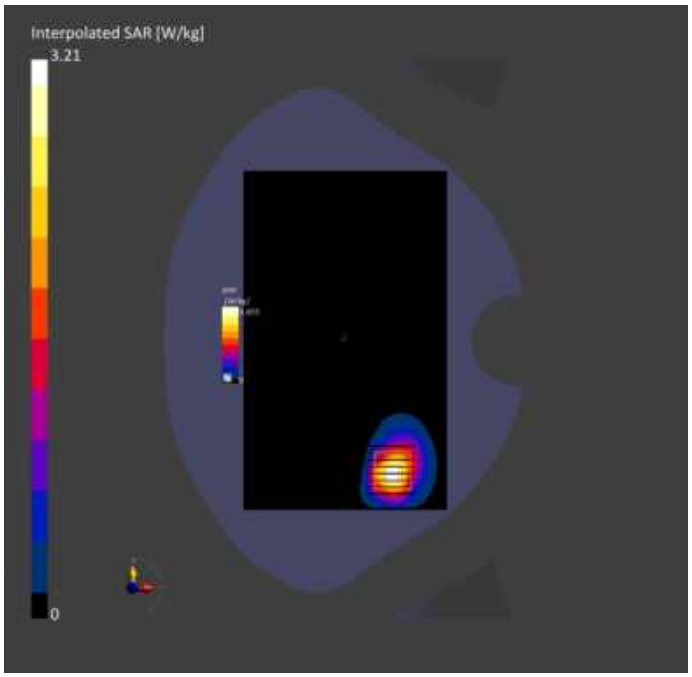
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000, 2024-01-30	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

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

Measurement Results

	Area Scan	Zoom Scan
Date	2024-01-30	2024-01-30
psSAR1g [W/kg]	0.894	0.896
psSAR10g [W/kg]	0.312	0.311
Power Drift [dB]	-0.04	0.07
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		52.7
Dist 3dB Peak [mm]		8.2


Interpolated SAR [W/kg]
3.21
0

Meas.94 Body Plane with Top Edge 10mm on 36 Channel in IEEE802.11a mode with Antenna 6

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
X6852	165.0 x 75.0 x 10.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	EDGE TOP, 10.00	WLAN 5GHz	WLAN, 10062-CAD	5180.0, 36	5.41	4.53	36.6	22.4	21.7

Hardware Setup

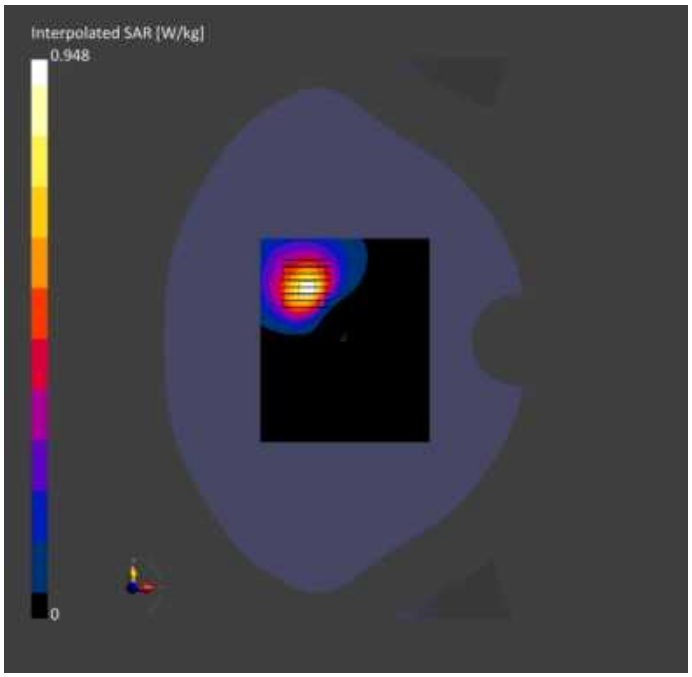
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000, 2024-01-28	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	100.0 x 120.0	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	2024-01-28	2024-01-28
psSAR1g [W/kg]	0.278	0.287
psSAR10g [W/kg]	0.108	0.110
Power Drift [dB]	0.04	-0.04
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		55.4
Dist 3dB Peak [mm]		8.2


Interpolated SAR [W/kg]
0.948
0

Meas.95 Body Plane with Top Edge 10mm on 149 Channel in IEEE802.11a mode with Antenna 6

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
X6852	165.0 x 75.0 x 10.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	EDGE TOP, 10.00	WLAN 5GHz	WLAN, 10062-CAD	5745.0, 149	4.78	5.31	34.7	22.3	21.7

Hardware Setup

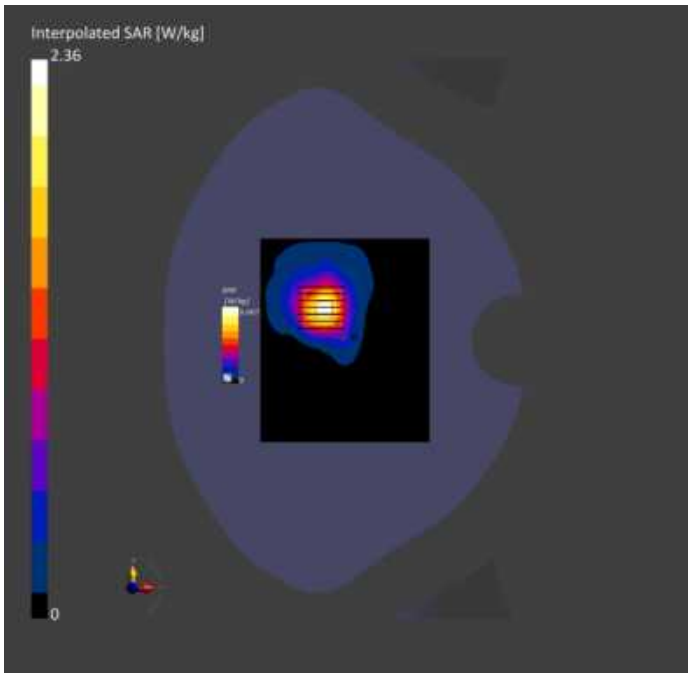
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000, 2024-01-30	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	100.0 x 120.0	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	2024-01-30	2024-01-30
psSAR1g [W/kg]	0.335	0.350
psSAR10g [W/kg]	0.104	0.109
Power Drift [dB]	-0.07	-0.14
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		51.0
Dist 3dB Peak [mm]		9.9


Interpolated SAR [W/kg]
2.36
0

Meas.96 Body Plane with Top Edge 0mm on 60 Channel in IEEE802.11a mode with Antenna 6

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
X6852	165.0 x 75.0 x 10.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	EDGE TOP, 0.00	WLAN 5GHz	WLAN, 10062-CAD	5300.0, 60	5.41	4.72	36.1	22.4	21.7

Hardware Setup

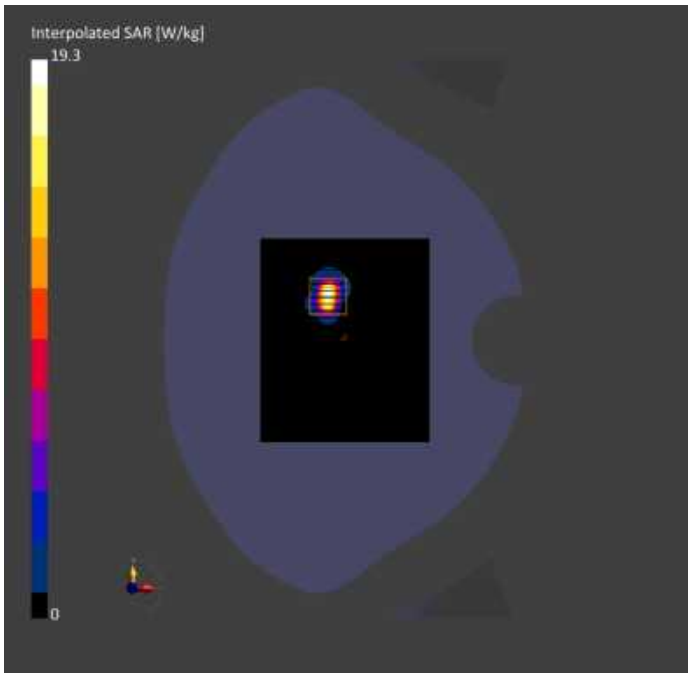
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000, 2024-01-28	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	100.0 x 120.0	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	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-01-28	2024-01-28
psSAR1g [W/kg]	2.75	3.49
psSAR10g [W/kg]	0.697	0.773
Power Drift [dB]	0.02	-0.13
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		46.8
Dist 3dB Peak [mm]		4.0


Interpolated SAR [W/kg]
19.3
0

Meas.97 Body Plane with Top Edge 0mm on 140 Channel in IEEE802.11a mode with Antenna 6

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
X6852	165.0 x 75.0 x 10.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	EDGE TOP, 0.00	WLAN 5GHz	WLAN, 10062-CAD	5700.0, 140	4.78	5.21	34.1	22.6	21.9

Hardware Setup

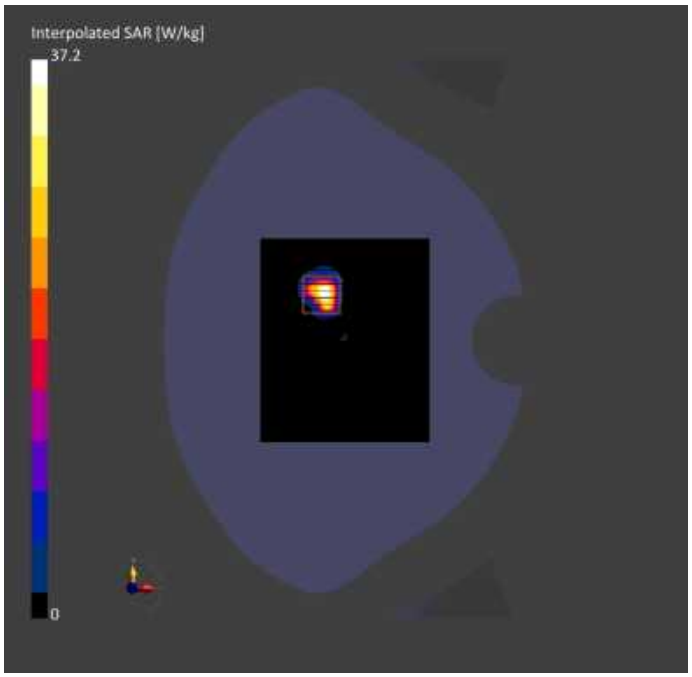
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000, 2024-01-29	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	100.0 x 120.0	24.0 x 24.0 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	2024-01-29	2024-01-29
psSAR1g [W/kg]	5.90	6.98
psSAR10g [W/kg]	1.58	1.59
Power Drift [dB]	0.03	-0.03
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		55.5
Dist 3dB Peak [mm]		4.3


Interpolated SAR [W/kg]
37.2
0

Meas.98 Left Head with Cheek on 39 Channel in Bluetooth mode with Antenna 6

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
X6852	160.0 x 70.0 x 8.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
LeftHead, HSL	CHEEK, 0.00	ISM 2.4 GHz Band	Bluetooth, 10032-CAA	2441.0, 39	7.47	1.84	39.2	22.3	21.1

Hardware Setup

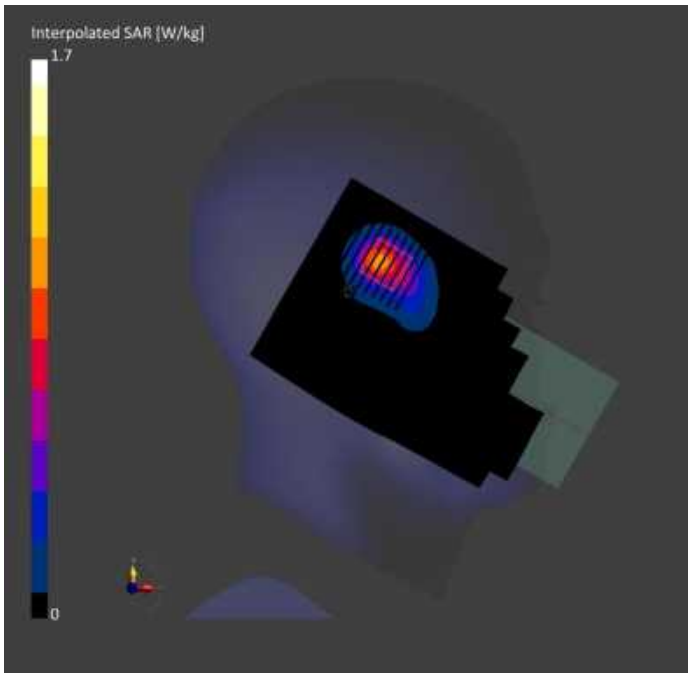
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000, 2024-01-19	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

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

Measurement Results

	Area Scan	Zoom Scan
Date	2024-01-19	2024-01-19
psSAR1g [W/kg]	0.163	0.170
psSAR10g [W/kg]	0.089	0.091
Power Drift [dB]	-0.15	-0.06
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		54.4
Dist 3dB Peak [mm]		9.8


Interpolated SAR [W/kg]
1.7
0

Meas.99 Body Plane with Back Side 15mm on 39 Channel in Bluetooth mode with Antenna 6

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
X6852	165.0 x 75.0 x 10.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	BACK, 15.00	ISM 2.4 GHz Band	Bluetooth, 10032-CAA	2441.0, 39	7.47	1.84	39.2	22.3	21.1

Hardware Setup

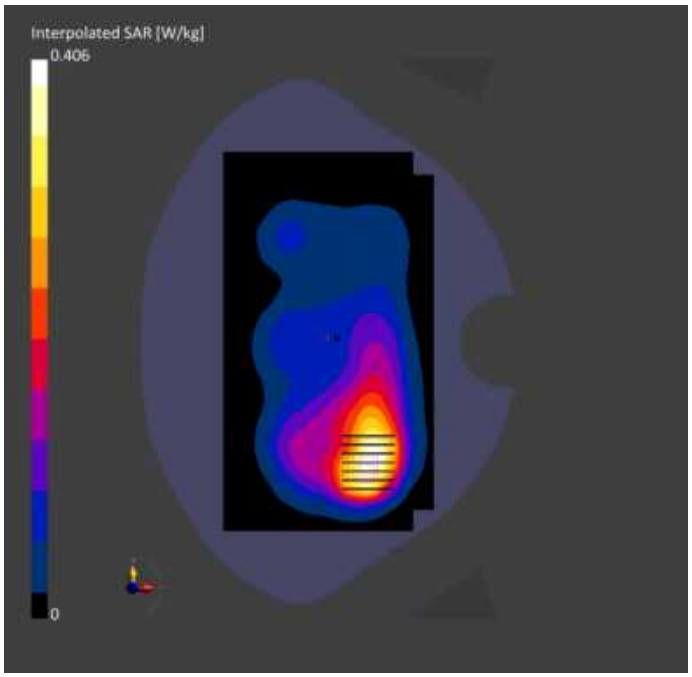
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000, 2024-01-19	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

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

Measurement Results

	Area Scan	Zoom Scan
Date	2024-01-19	2024-01-19
psSAR1g [W/kg]	0.045	0.048
psSAR10g [W/kg]	0.021	0.022
Power Drift [dB]	0.01	0.14
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		47.1
Dist 3dB Peak [mm]		13.0


Interpolated SAR [W/kg]
0.406
0

Meas.100 Body Plane with Back Side 10mm on 39 Channel in Bluetooth mode with Antenna 6

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
X6852	165.0 x 75.0 x 10.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	BACK, 10.00	ISM 2.4 GHz Band	Bluetooth, 10032-CAA	2441.0, 39	7.47	1.84	39.2	22.3	21.1

Hardware Setup

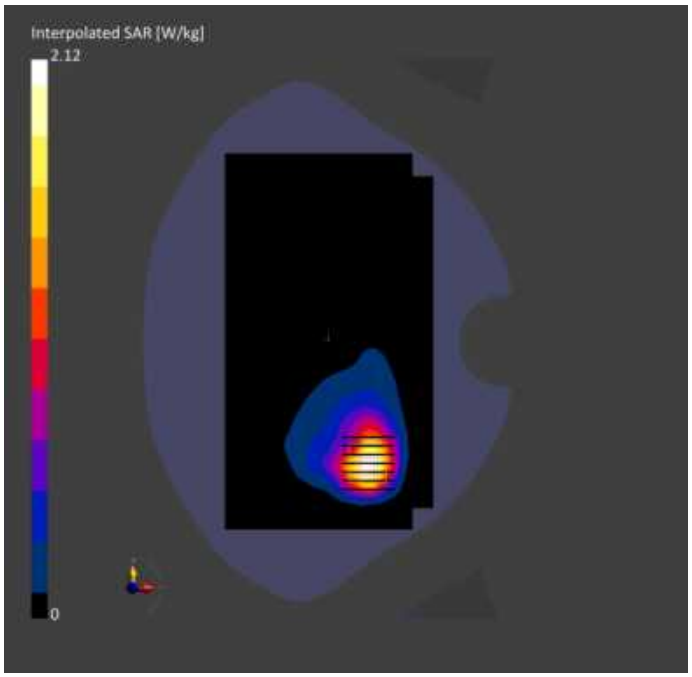
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000, 2024-01-19	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

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

Measurement Results

	Area Scan	Zoom Scan
Date	2024-01-19	2024-01-19
psSAR1g [W/kg]	0.071	0.075
psSAR10g [W/kg]	0.031	0.034
Power Drift [dB]	-0.01	0.12
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		38.0
Dist 3dB Peak [mm]		9.5


Interpolated SAR [W/kg]
2.12
0

ANNEX D EUT EXTERNAL PHOTOS

Please refer the document “BL-SZ2410130-AW.pdf”.

ANNEX E SAR TEST SETUP PHOTOS

Please refer the document “BL-SZ2410130-AS-1.pdf”.

ANNEX F CALIBRATION REPORT

Please refer the document “BL-SZ2410130-AC.pdf”.

Statement

1. The laboratory guarantees the scientificity, accuracy and impartiality of the test, and is responsible for all the information in the report, except the information provided by the customer. The customer is responsible for the impact of the information provided on the validity of the results.
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--END OF REPORT--