TEST REPORT

Applicant:	Realme Chongqing Mobile Telecommunications Corp., Ltd.
Address:	No.178 Yulong Avenue, Yufengshan, Yubei District, Chongqing, China
Equipment Type:	Mobile Phone
Model Name:	RMX3963
Brand Name:	realme
FCC ID:	2AUYFRMX3963
Test Standard:	FCC 47 CFR Part 2.1093 (refer to section 3.1)
Maximum SAR:	Head (1 g@0mm): 1.18 W/kg Body-worn (1 g@15mm): 0.52 W/kg Hotspot (1 g@10mm): 1.16 W/kg Specific (10 g@0mm): 2.09 W/kg
Sample Arrival Date:	Mar. 01, 2025
Test Date:	Mar. 03, 2025 - Mar. 28, 2025
Date of Issue:	Apr. 07, 2025

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	Apr. 07, 2025	Initial Issue

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1 GENERAL INFORMATION

1.1 Test Laboratory

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

1.2 Test Location

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

1.3 Test Environment Condition

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

2 PRODUCT INFORMATION

2.1 Applicant Information

Applicant	Realme Chongqing Mobile Telecommunications Corp., Ltd.
Address	No.178 Yulong Avenue, Yufengshan, Yubei District, Chongqing, China

2.2 Manufacturer Information

Manufacturer	Realme Chongqing Mobile Telecommunications Corp., Ltd.
Address	No.178 Yulong Avenue, Yufengshan, Yubei District, Chongqing, China

2.3 General Description for Equipment under Test (EUT)

EUT Name	Mobile Phone
Model Name Under Test	RMX3963
Series Model Name	N/A
Description of Model name differentiation	N/A
Hardware Version	11
Software Version	realme UI 6.0
Dimensions (Approx.)	about 165.70x76.22x7.94(mm)
Weight (Approx.)	about 197g
EUT ID	SC-SZ2490241: S06, S07, S03, S04, S05 SC-SZ2520621: S10, S11, S07, S08, S09
IMEI Number	SC-SZ2490241: S06: IMEI1:860836070025438; IMEI2:860836070025420
	SC-SZ2490241: S07: IMEI1:860836070025990; IMEI2:860836070025982
	SC-SZ2490241: S03: IMEI1:860836070022419; IMEI2:860836070022401
	SC-SZ2490241: S04: IMEI1:860836070022179; IMEI2:860836070022161
	SC-SZ2490241: S05: IMEI1:860836070022559; IMEI2:860836070022542
	SC-SZ2520621: S10: IMEI1:861049070020230; IME12:861049070020222
	SC-SZ2520621: S11: IMEI1:861049070020255; IME12:861049070020248
	SC-SZ2520621: S07: IMEI1:862344070019996; IMEI2:862344070019988
	SC-SZ2520621: S08: IMEI1:862344070019970; IMEI2:862344070019962
	SC-SZ2520621: S09: IMEI1:862344070019954; IMEI2:862344070019947

Note1: EUT ID is used to identify the test sample in the lab internally.
Note2: It is performed to test SAR with the EUT SC-SZ2490241: S03, S04, S05 & and SC-SZ2520621: S07, S08, S09 conducted power with the EUT SC-SZ2490241: S06, S07 & SC-SZ2520621: S10, S11.

2.4 Ancillary Equipment

Ancillary Equipment 1	Battery	
	Brand Name	SUPERVOOC
	Model No.	BLPB61
	Serial No.	N/A
	Capacitance	Rated: 5660mAh/22.19Wh Typical: 5828mAh/22.85Wh
	Rated Voltage	3.92 V
	Limited Voltage	4.53 V
	Manufacturer	Sunwoda Electronic CO.LTD.

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 LTE FDD Band 2/4/5/7/12/13/17/26/66 LTE TDD Band 38/41 LTE CA Uplink (UL): CA_7C, CA_38C, CA_41C, CA_2A-4A, CA_2A-7A, CA_4A-7A 5G Network SA: NR n5/n7/n38/n41/n66 NSA(EN-DC): DC_66A_n5A, DC_7A_n5A, DC_2A_n7A, DC_4A_n7A, DC_5A_n7A, DC_66A_n7A, DC_4A_n38A, DC_5A_n38A, DC_66A_n38A, DC_4A_n41A, DC_26A_n41A, DC_66A_n41A, DC_2A_n66A, DC_5A_n66A, DC_7A_n66A, DC_12A_n66A Bluetooth (BR+EDR+BLE) WIFI 802.11a, 802.11b, 802.11g, 802.11n(HT20/40) and 802.11ac(VHT20/40/80/) GPS, GLONASS, BDS, Galileo, NFC
Note: The EUT is a mobile phone, which supports dual SIM card under the same transceiver. Each SIM supports GSM, WCDMA, LTE and NR, 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, NR, 2.4G WIFI, 5G WIFI, 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 13	TX: 777 ~ 787 MHz	RX: 746 ~ 756 MHz
	LTE Band 17	TX: 704 ~ 716 MHz	RX: 734 ~ 746 MHz
	LTE Band 26	TX: 814 ~ 824 MHz	RX: 859 ~ 869 MHz
		TX: 824 ~ 849 MHz	RX: 869 ~ 894 MHz
	LTE Band 66	TX: 1710 ~ 1780 MHz	RX: 2110 ~ 2180 MHz
	LTE Band 38	TX: 2570 ~ 2620 MHz	RX: 2570 ~ 2620 MHz
	LTE Band 41	TX: 2496 ~ 2690 MHz	RX: 2496 ~ 2690 MHz
	NR n5	TX: 824 ~ 849 MHz	RX: 869 ~ 894 MHz
	NR n7	TX: 2500 ~ 2570 MHz	RX: 2620 ~ 2690 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
	802.11b/g /n(HT20/HT40)	2412 ~ 2462 MHz	
	VHT20/40	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 WIFI: PIFA Antenna Bluetooth: PIFA Antenna NFC: Coil 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 8.8.

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

Note:
Compared with the EUT of test report BL-SZ2491182-701, the changes of the EUT of this report as below:
1. Changed FCC ID from 2AUYFRMX3943 to 2AUYFRMX3963.
2. Changed built-in battery and adapter accessories.
3. Charged the charging circuit.
4. Changed 2/3/4/5G antenna and SAR parameters.
5. Changed model name from RMX3943 to RMX3963.
6. Removed 3.5mm jack.
Other hardware circuit and software are the same as EUT referred in test report BL-SZ2491182-701.
Therefore, re-tested GSM850/1900; WCDMA B2/B4/B5; LTE B2/4/5/7/12/13/17/26/66/38/41; NR n5/7/66/38/41 were retested in this report and added the WLAN worst case sport check test data in section 11.29 and ANNEX A/B/C, others test data please refer to report BL-SZ2491182-701, which was issued by Shenzhen BALUN Technology Co., Ltd. on Nov. 18, 2024.

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 (15mm)	Hotspot (10mm)	Specific (0mm)	Head (0mm)	Body-worn (15mm)	Hotspot (10mm)	Specific (0mm)
		1g SAR			10g SAR	1g SAR			10g SAR
PCE	GSM 850	1.09	0.52	1.16	/	1.18	0.52	1.16	2.09
	GSM 1900	1.07	0.22	0.63	/				
	WCDMA Band 2	1.15	0.22	0.63	/				
	WCDMA Band 4	0.93	0.21	0.66	1.94				
	WCDMA Band 5	0.86	0.41	0.92	/				
	LTE Band 2	1.07	0.19	0.60	/				
	LTE Band 4	0.88	0.18	0.67	/				
	LTE Band 5	0.98	0.44	0.96	/				
	LTE Band 7	1.14	0.11	0.29	/				
	LTE Band 12	0.72	0.24	0.63	/				
	LTE Band 13	0.98	0.34	0.83	/				
	LTE Band 17	0.69	0.22	0.61	/				
	LTE Band 26	0.99	0.36	0.82	/				
	LTE Band 66	0.90	0.25	0.68	1.95				
	LTE Band 38	1.18	0.13	0.38	/				
	LTE Band 41	1.15	0.14	0.43	/				
	NR 5	1.00	0.23	0.69	/				
	NR 7	1.18	0.14	0.36	/				
	NR 66	1.08	0.21	0.69	2.09				
	NR 38	0.98	0.13	0.40	/				
	NR 41	0.97	0.08	0.24	/				
DTS	2.4G WIFI	1.02	0.24	0.57	1.42				
NII	5.2G WIFI	/	/	0.55	/				
	5.3G WIFI	0.95	0.17	/	1.70				
	5.6G WIFI	0.92	0.26	/	1.97				
	5.8G WIFI	1.14	0.30	0.98	2.04				
DSS	Bluetooth	0.43	0.09	0.22	0.57				
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 (15mm)	Hotspot 1g (10mm)	Specific 10g (0mm)
PCE	**1.59**	**0.76**	**1.25**	2.09
DTS	**1.59**	**0.76**	**1.25**	1.91
NII	**1.59**	0.75	1.19	**2.51**
DSS	**1.59**	0.75	1.19	**2.51**
Limit (W/Kg)	1.60	1.60	1.60	4.00
Verdict	Pass			
Note: The highest simultaneous SAR please refer section 13.2				

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 1.18 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 2.09 W/kg, which is lower than 3.75 W/kg, so the extensive SAR measurement uncertainty analysis is not required in this report.

4 MEASUREMENT SYSTEM

4.1 Specific Absorption Rate (SAR) Definition

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

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

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

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

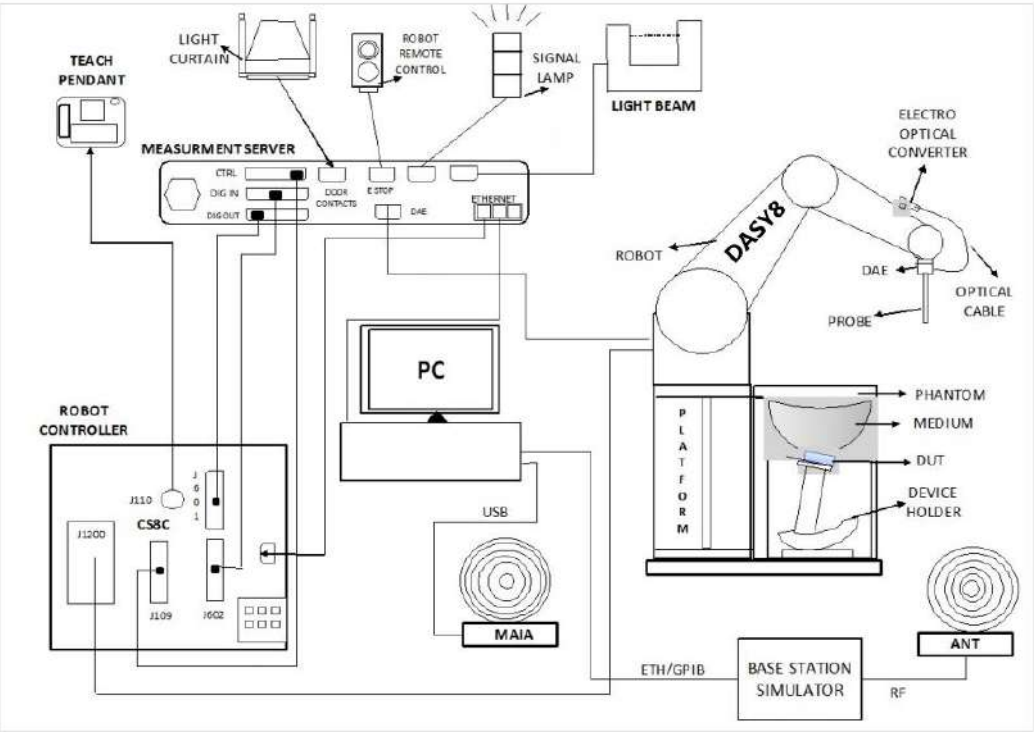
$$\mathbf{SAR} = \frac{\boldsymbol{\sigma}\mathbf{E}^{2}}{\boldsymbol{\rho}}$$

Where: σ is the conductivity of the tissue,

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

4.2 DASY SAR System

4.2.1 DASY SAR System Diagram

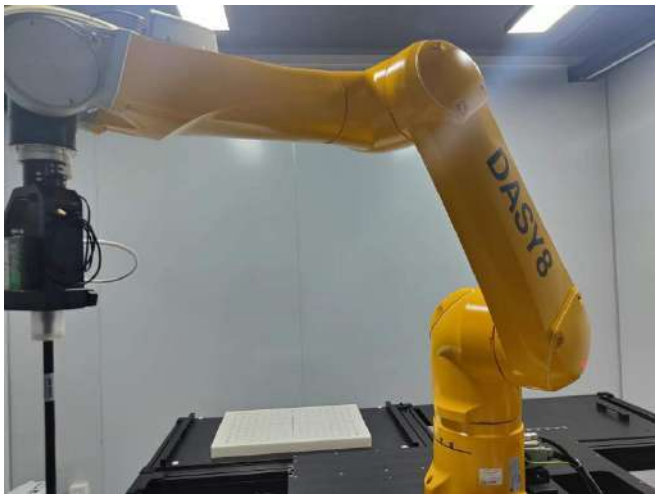


The DASY system for performing compliance tests consists of the following items:

1. A standard high precision 6-axis robot (Stäubli RX family) with controller and software. An arm extension for accommodating the data acquisition electronics (DAE).
2. A dosimetric probe, i.e. an isotropic E-field probe optimized and calibrated for usage in tissue simulating liquid. The probe is equipped with an optical surface detector system.
3. A data acquisition electronic (DAE) which performs the signal amplification, signal multiplexing, AD-conversion, offset measurements, mechanical surface detection, collision detection, etc. The unit is battery powered with standard or rechargeable batteries. The signal is optically transmitted to the EOC.
4. A unit to operate the optical surface detector which is connected to the EOC.
5. The Electro-Optical Coupler (EOC) performs the conversion from the optical into a digital electric signal of the DAE. The EOC is connected to the DASY5 measurement server.
6. The DASY measurement server, which performs all real-time data evaluation for field measurements and surface detection, controls robot movements and handles safety operation.
7. 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: 7510&7893 with following specifications is used.

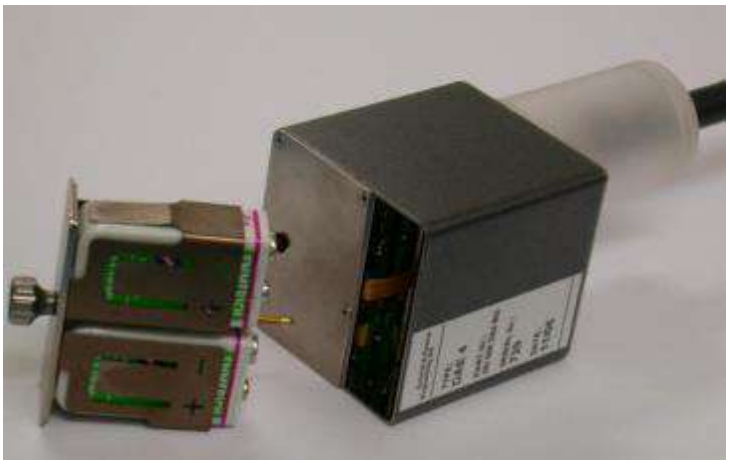
Construction	Symmetrical design with triangular core Built-in optical fiber for surface detection system Built-in shielding against static charges PEEK enclosure material (resistant to organic solvents, e.g., glycolether)
Calibration	ISO/IEC 17025 calibration service available
Frequency	4 MHz to 10 GHz;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

E-Field Probe Calibration Process

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

4.2.4 Data Acquisition Electronics

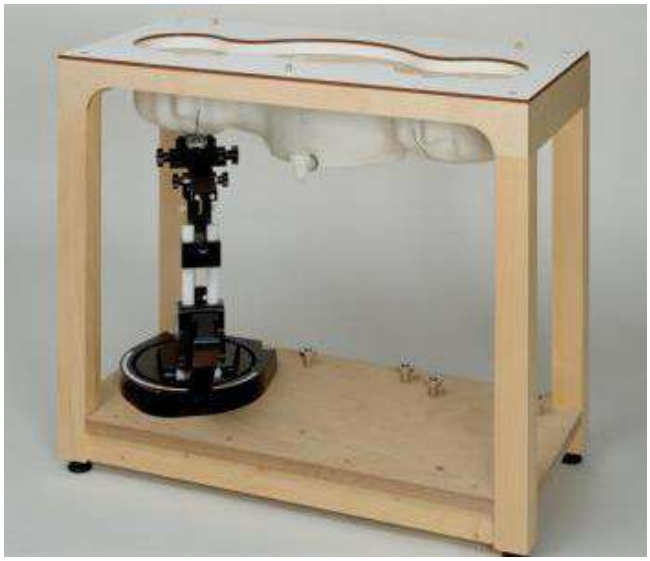
The data acquisition electronics (DAE) consist of a highly sensitive electrometer-grade preamplifier with auto-zeroing, a channel and gain-switching multiplexer, a fast 16 bit AD-converte and a command decoder with a control logic unit. Transmission to the measurement server is accomplished through an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



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

4.2.5 Phantoms

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



·Left head

·Right head

·Flat phantom

Photo of Phantom SN1859



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

4.2.6 Device Holder

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



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

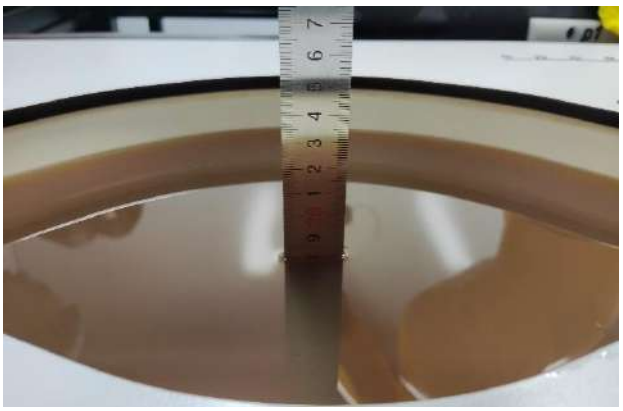
4.2.7 Simulating Liquid

For SAR measurement of the field distribution inside the phantom, the phantom must be filled with homogeneous tissue simulating liquid to a depth of at least 15 cm. For head SAR testing, the liquid height from the ear reference point (ERP) of the phantom to the liquid top surface is larger than 15 cm. For body SAR testing, the liquid height from the center of the flat phantom to the liquid top surface is larger than 15 cm. The nominal dielectric values of the tissue simulating liquids in the phantom and the tolerance of 5%.

Head Liquid Depth



Body Liquid Depth



The following table gives the recipes for tissue simulating liquid.

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

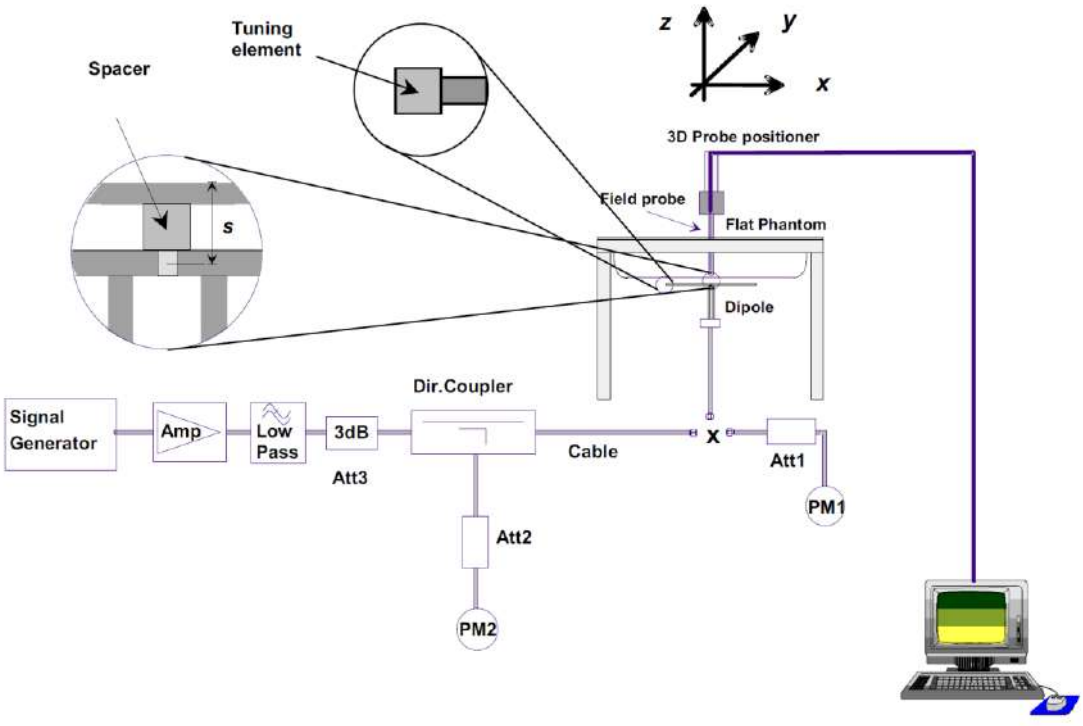
5 SYSTEM VERIFICATION

5.1 Purpose of System Check

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

5.2 System Check Setup

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



6 TEST POSITION CONFIGURATIONS

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

6.1 Head Exposure Conditions

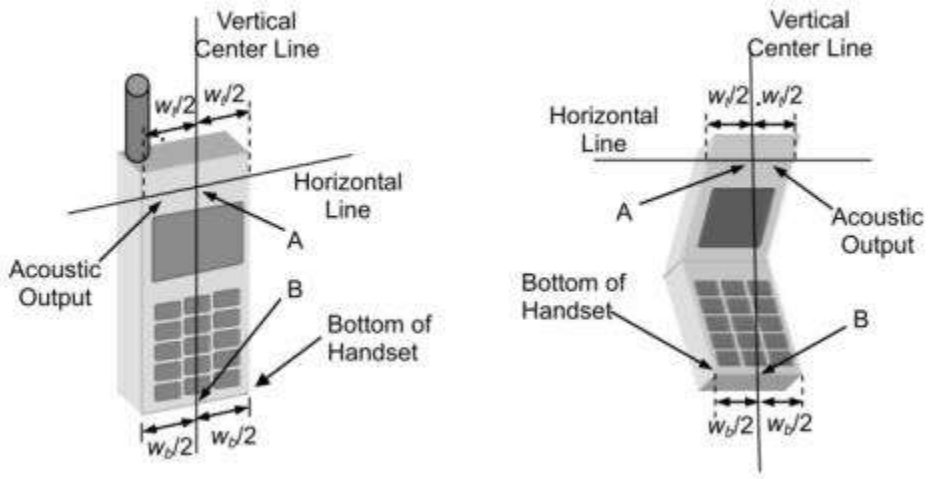
Head exposure is limited to next to the ear voice mode operations. Head SAR compliance is tested according to the test positions defined in IEEE Std 1528-2013 using the SAM phantom illustrated as below.

6.1.1 Two Imaginary Lines on the Handset

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

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

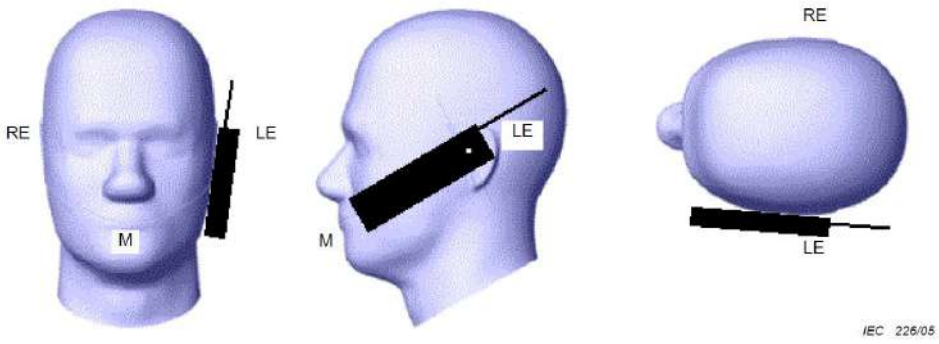
(c) The two lines intersect at point A. Note that for many handsets, point A coincides with the center of the acoustic output; however, the acoustic output may be located elsewhere on the horizontal line. Also note that the vertical center line is not necessarily parallel to the front face of the handset,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



6.1.2 Cheek Position

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

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



6.1.3 Tilted Position

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

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

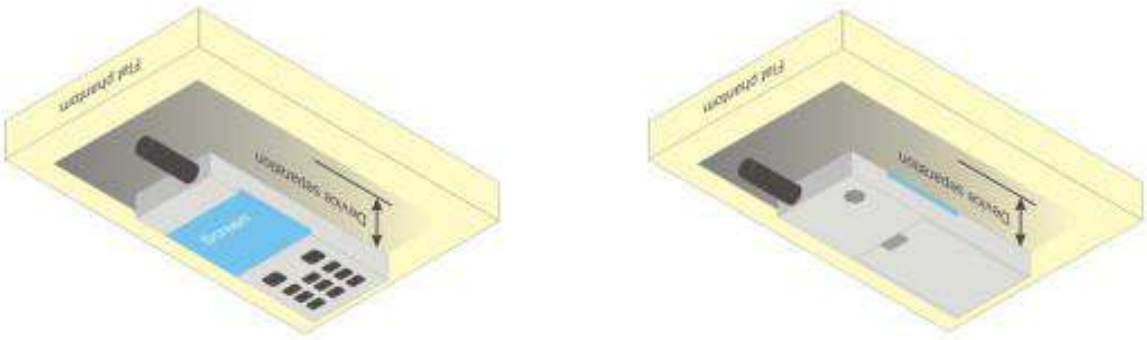


6.2 Body-worn Position Conditions

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

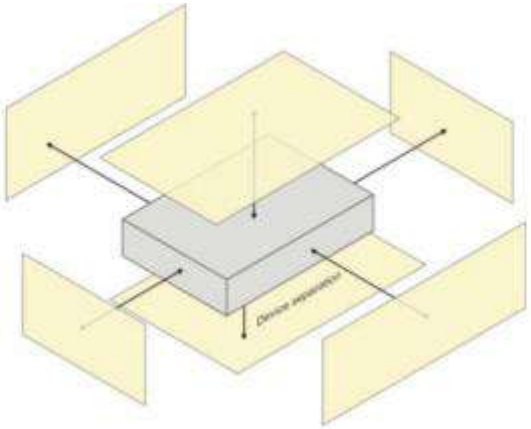
Body-worn accessories that do not contain metallic or conductive components may be tested according to worst-case exposure configurations, typically according to the smallest test separation distance required for the group of body-worn accessories with similar operating and exposure characteristics.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

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



6.3 Hotspot Mode Exposure Position Conditions

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



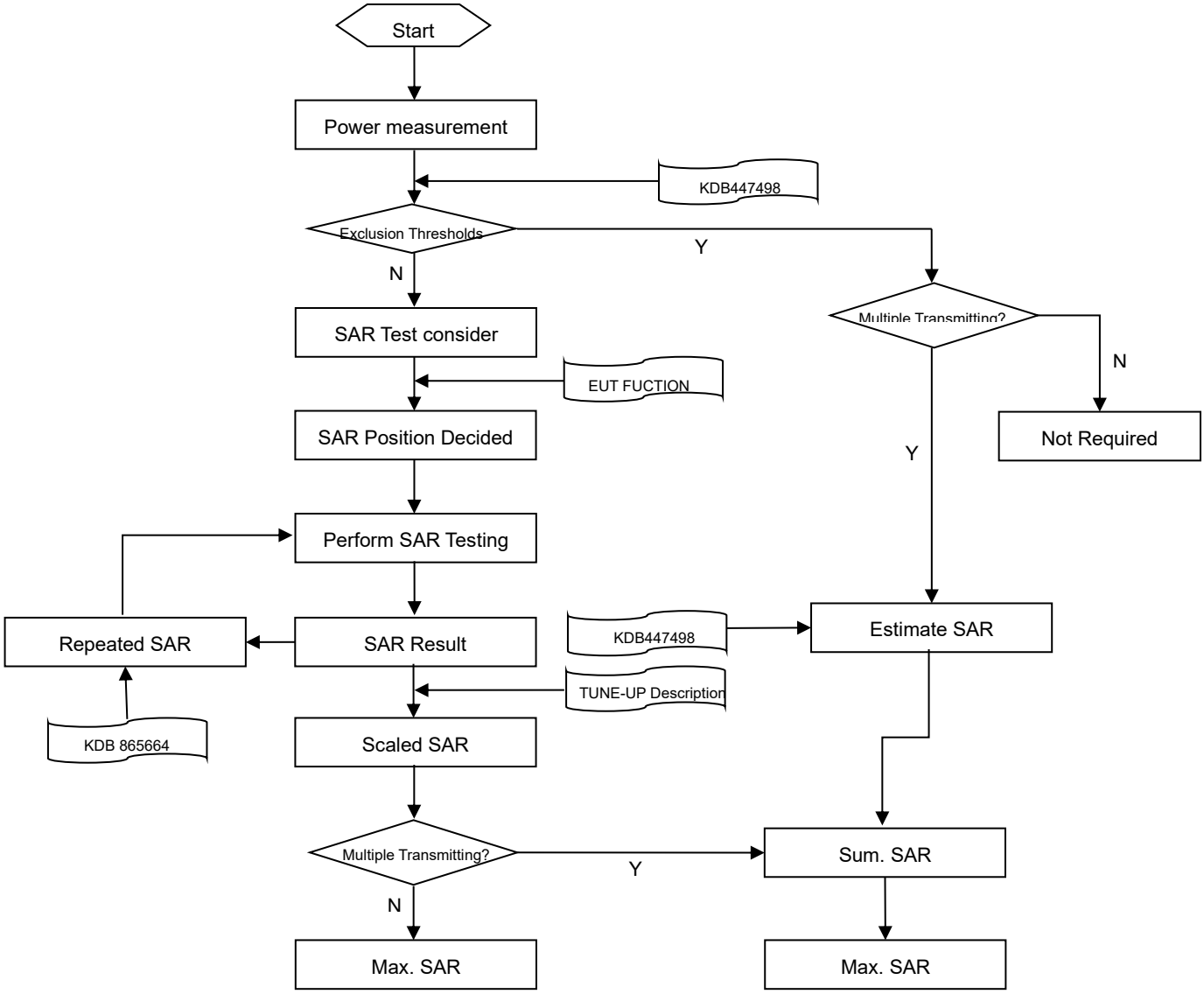
6.4 Product Specific 10g Exposure Consideration

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

The UMPC mini-tablet procedures must also be applied to test the SAR of all surfaces and edges with an antenna located at ≤ 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.

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.

			≤3GHz	>3GHz
Maximum distance from closest measurement point (geometric center of probe sensors) to phantom surface			5±1 mm	½·δ·ln(2)±0.5 mm
Maximum probe angle from probe axis to phantom surface normal at the measurement location			30°±1°	20°±1°
Maximum area scan spatial resolution: Δx Area , Δy Area			≤ 2 GHz: ≤ 15 mm 2 – 3 GHz: ≤ 12 mm	3–4 GHz: ≤ 12 mm 4 – 6 GHz: ≤ 10 mm
Maximum zoom scan spatial resolution: Δx Zoom , Δy Zoom			≤ 2 GHz: ≤ 8 mm 2 –3 GHz: ≤ 5 mm*	3–4 GHz: ≤ 5 mm* 4 – 6 GHz: ≤ 4 mm*
Maximum zoom scan spatial resolution, normal to phantom surface	uniform grid: Δz Zoom (n)		≤ 5 mm	3–4 GHz: ≤ 4 mm 4–5 GHz: ≤ 3 mm 5–6 GHz: ≤ 2 mm
	graded grid	Δz Zoom (1): between 1st two points closest to phantom surface	≤ 4 mm	3–4 GHz: ≤ 3 mm 4–5 GHz: ≤ 2.5 mm 5–6 GHz: ≤ 2 mm
		Δz Zoom (n>1): between subsequent points	≤ 1.5·Δz Zoom (n-1)	
Minimum zoom scan volume		x, y, z	≥30 mm	3–4 GHz: ≥ 28 mm 4–5 GHz: ≥ 25 mm 5–6 GHz: ≥ 22 mm

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.

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.

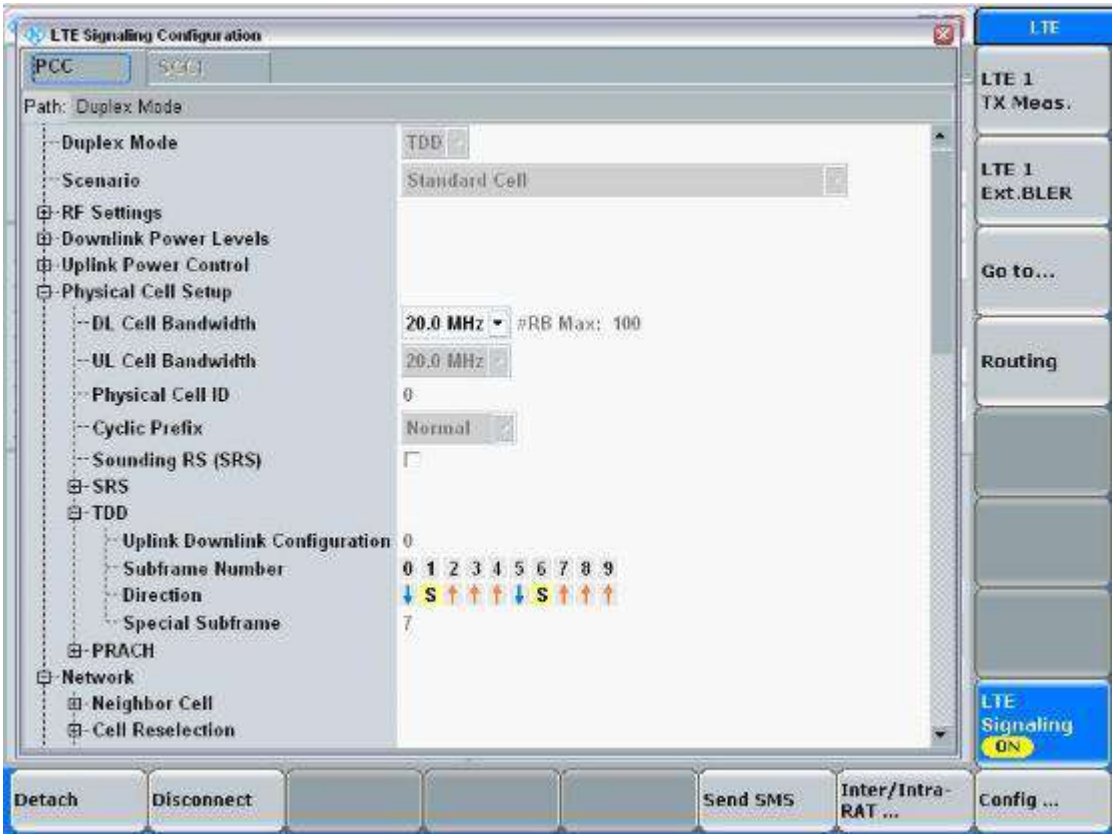
7.4 Area & Zoom Scan Procedure

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.

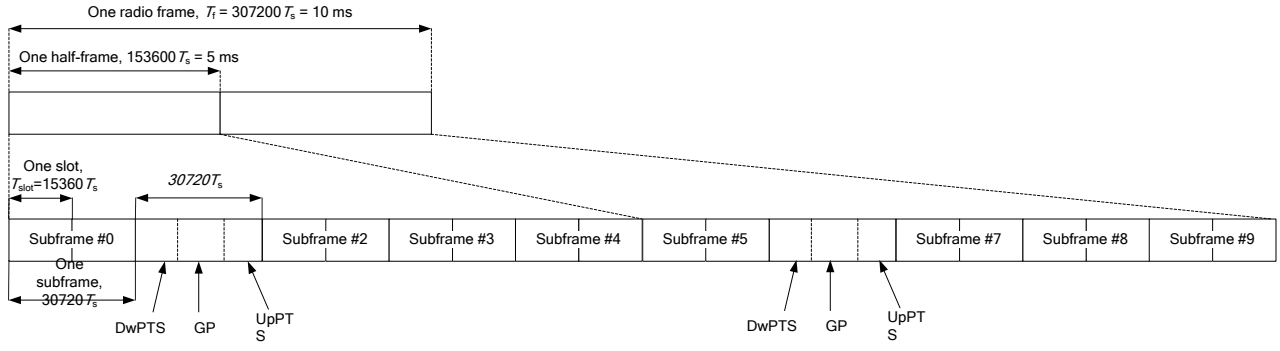
When the 1 g SAR of the highest peak is within 2 dB of the SAR limit, additional zoom scans are required for other peaks within 2 dB of the highest peak that have not been included in any zoom scan to ensure there is no increase in SAR.

7.5 LTE (TDD) Considerations

During TDD-LTE SAR testing, the EUT was commanded to transmit on maximum output power and maximum transmitting bandwidth. The uplink and downlink slot configuration as below in one radio frame.



According to 3GPP Per 3GPP TS 36.211. Each radio frame of length (Tf=307200*TS =10ms) of two half-frames of length (153600*TS =5ms). Each half-frame consists of five sub-frames of length (30720*TS =1ms)



And the special sub-frame with the three fields DwPTS, GP and UpPTS.

The length of DwPTS and UpPTS is given by below table subject to the total length of DwPTS, GP and UpPTS being equal to 30720*T_S =1ms.

Configuration of special sub-frame (lengths of DwPTS/GP/UpPTS)

Special sub-frame configuration	Normal cyclic prefix in downlink			Extended cyclic prefix in downlink		
	DwPTS	UpPTS		DwPTS	UpPTS	
		Normal cyclic prefix in uplink	Extended cyclic prefix in uplink		Normal cyclic prefix in uplink	Extended cyclic prefix in uplink
0	$6592 \cdot T_s$	$2192 \cdot T_s$	$2560 \cdot T_s$	$7680 \cdot T_s$	$2192 \cdot T_s$	$2560 \cdot T_s$
1	$19760 \cdot T_s$			$20480 \cdot T_s$		
2	$21592 \cdot T_s$			$23040 \cdot T_s$		
3	$24144 \cdot T_s$			$25600 \cdot T_s$		
4	$26336 \cdot T_s$			$7680 \cdot T_s$	$2560 \cdot T_s$	$5120 \cdot T_s$
5	$6592 \cdot T_s$	$4384 \cdot T_s$	$5120 \cdot T_s$	$20480 \cdot T_s$		
6	$19760 \cdot T_s$			$23040 \cdot T_s$		
7	$21592 \cdot T_s$			$12800 \cdot T_s$		
8	$24144 \cdot T_s$			-	-	-
9	$13168 \cdot T_s$			-	-	-

For special sub-frame uplink time we used the largest cyclic prefix for duty cycle calculate;

Maximum uplink time of one special sub-frame=(largest cyclic prefix)/(one sub-frame of length)* time of one sub-frame=5120.Ts/30720.Ts*1ms=0.167ms

One radio frame with 6 uplink sub-frames and two special sub-frame,
there for the maximum Uplink time in one radio frame is: **6*1 ms+2*0.167 ms=6.334ms**
So, the duty cycle for TDD-LTE is: **6.334ms/10ms =1: 1.58**

8 CONDUCTED RF OUPUT POWER

8.1 GSM

Please refer the document “BL-SZ2520926-AP Power List.pdf”.

8.2 WCDMA

Please refer the document “BL-SZ2520926-AP Power List.pdf”.

8.3 LTE

Please refer the document “BL-SZ2520926-AP Power List.pdf”.

8.4 Intra-Band Uplink CA Normal Power

Note:
1. This devices supports intra-band uplink CA of 7C/38C/41C.
2. For intra-band uplink carrier aggregation power verification and measurement is selected highest PCC and SCC bandwidth combination to do and was according to 3GPP 36.52101 sectino6.2.2A.1 and section 6.2.2A.2 test procedure.
3. For intra-band uplink CA output power was measured high / middle / low channel combination, and for SAR verification is selected highest output power combination with each exposure condition in each frequency band using the highest SAR configuration test in standalone LTE mode.

Please refer the document “BL-SZ2520926-AP Power List.pdf”.

8.5 Downlink CA Normal Power

Note:
1. This devices supports Downlink carrier aggregation (CA).

Please refer the document “BL-SZ2520926-AP Power List.pdf”.

8.6 NR 5G

Please refer the document “BL-SZ2520926-AP Power List.pdf”.

8.7 WIFI

8.7.1 2.4G WIFI-Ant.9 Full Power

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
2.4 (2.4~2.483)	802.11 b	1	2412	14.05	16.00	No
		2	2417	14.09	16.00	No
		3	2422	**14.51**	16.50	Yes
		4	2427	14.22	16.00	No
		5	2432	13.73	15.50	No
		6	2437	13.16	15.00	No
		7	2442	13.08	15.00	No
		8	2447	12.61	14.50	No
		9	2452	12.68	14.50	No
		10	2457	12.14	14.00	No
		11	2462	12.68	14.50	No
	802.11 g	1	2412	15.08	17.00	No
		2	2417	17.16	19.00	No
		6	2437	17.12	19.00	No
		10	2457	17.18	19.00	No
		11	2462	15.60	17.50	No
	802.11n(HT20)	1	2412	15.45	17.00	No
		2	2417	17.04	19.00	No
		6	2437	17.00	19.00	No
		10	2457	17.05	19.00	No
		11	2462	15.82	17.50	No
	802.11n(HT40)	3	2422	13.60	15.50	No
		4	2427	17.05	19.00	Yes
		6	2437	**17.09**	19.00	Yes
		8	2447	17.04	19.00	Yes
		9	2452	14.56	16.50	No
	VHT20	1	2412	15.41	17.00	No
		2	2417	17.21	19.00	No
		6	2437	17.32	19.00	No
		10	2457	17.32	19.00	No
		11	2462	16.30	18.00	No
	VHT40	3	2422	13.60	15.50	No
		4	2427	17.05	19.00	No
		6	2437	17.02	19.00	No
		8	2447	17.09	19.00	No
		9	2452	14.56	16.50	No
Note: When multiple channel bandwidth configurations in a frequency band have the same maximum tune-up output power, the test configuration is determined by applying the following steps sequentially.						

1) The largest channel bandwidth configuration is selected between the multiple configurations in a frequency band with the same maximum tune-up output power.
2) When multiple transmission modes (802.11b/g/n/VHT) 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.

8.7.2 2.4G WIFI-Ant.9 Level1

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
2.4 (2.4~2.483)	802.11 b	1	2412	14.05	16.00	No
		2	2417	14.09	16.00	No
		3	2422	**14.51**	16.50	Yes
		4	2427	14.22	16.00	No
		5	2432	13.73	15.50	No
		6	2437	13.16	15.00	No
		7	2442	13.08	15.00	No
		8	2447	12.61	14.50	No
		9	2452	12.68	14.50	No
		10	2457	12.14	14.00	No
		11	2462	12.68	14.50	No
	802.11 g	1	2412	15.08	17.00	No
		2	2417	17.16	19.00	No
		6	2437	17.12	19.00	No
		10	2457	17.18	19.00	No
		11	2462	15.60	17.50	No
	802.11n(HT20)	1	2412	15.45	17.00	No
		2	2417	17.04	19.00	No
		6	2437	17.00	19.00	No
		10	2457	17.05	19.00	No
		11	2462	15.82	17.50	No
	802.11n(HT40)	3	2422	13.60	15.50	No
		4	2427	17.05	19.00	Yes
		6	2437	**17.09**	19.00	Yes
		8	2447	17.04	19.00	Yes
		9	2452	14.56	16.50	No
	VHT20	1	2412	15.41	17.00	No
		2	2417	17.21	19.00	No
		6	2437	17.32	19.00	No
		10	2457	17.32	19.00	No
		11	2462	16.30	18.00	No
	VHT40	3	2422	13.60	15.50	No
		4	2427	17.05	19.00	No
		6	2437	17.02	19.00	No
		8	2447	17.09	19.00	No
		9	2452	14.56	16.50	No

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

1) The largest channel bandwidth configuration is selected between the multiple configurations in a frequency band with the

same maximum tune-up output power.
2) When multiple transmission modes (802.11b/g/n/VHT) 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.

8.7.3 2.4G WIFI-Ant.9 Level3

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
2.4 (2.4~2.483)	802.11 b	1	2412	14.05	16.00	No
		2	2417	/	16.00	No
		3	2422	/	16.00	No
		4	2427	**14.22**	16.00	Yes
		5	2432	13.73	15.50	No
		6	2437	13.16	15.00	No
		7	2442	13.08	15.00	No
		8	2447	12.61	14.50	No
		9	2452	12.68	14.50	No
		10	2457	12.14	14.00	No
		11	2462	12.68	14.50	No
	802.11 g	1	2412	14.62	16.00	No
		2	2417	/	16.00	No
		6	2437	14.69	16.00	No
		10	2457	/	16.00	No
		11	2462	14.72	16.00	No
	802.11n(HT20)	1	2412	14.48	16.00	No
		2	2417	/	16.00	No
		6	2437	14.45	16.00	No
		10	2457	/	16.00	No
		11	2462	14.52	16.00	No
	802.11n(HT40)	3	2422	13.60	15.50	No
		4	2427	14.60	16.00	No
		6	2437	14.64	16.00	No
		8	2447	/	16.00	No
		9	2452	14.09	16.00	No
	VHT20	1	2412	14.65	16.00	No
		2	2417	/	16.00	No
		6	2437	14.59	16.00	No
		10	2457	/	16.00	No
		11	2462	14.71	16.00	No
	VHT40	3	2422	13.60	15.50	No
		4	2427	14.51	16.00	No
		6	2437	14.53	16.00	No
		8	2447	/	16.00	No
		9	2452	14.03	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/VHT) 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 = 0.530 * (39.810mW/39.810mW) = 0.530 W/Kg, so 2.4G OFDM SAR test is not required.

8.7.4 2.4G WIFI-Ant.9 Level5&7

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
2.4 (2.4~2.483)	802.11 b	1	2412	14.05	16.00	No
		2	2417	14.09	16.00	No
		3	2422	**14.51**	16.50	Yes
		4	2427	14.22	16.00	No
		5	2432	13.73	15.50	No
		6	2437	13.16	15.00	No
		7	2442	13.08	15.00	No
		8	2447	12.61	14.50	No
		9	2452	12.68	14.50	No
		10	2457	12.14	14.00	No
		11	2462	12.68	14.50	No
	802.11 g	1	2412	15.08	17.00	No
		2	2417	17.16	19.00	No
		6	2437	17.12	19.00	No
		10	2457	17.18	19.00	No
		11	2462	15.60	17.50	No
	802.11n(HT20)	1	2412	15.45	17.00	No
		2	2417	17.04	19.00	No
		6	2437	17.00	19.00	No
		10	2457	17.05	19.00	No
		11	2462	15.82	17.50	No
	802.11n(HT40)	3	2422	13.60	15.50	No
		4	2427	17.05	19.00	No
		6	2437	**17.09**	19.00	Yes
		8	2447	17.04	19.00	No
		9	2452	14.56	16.50	No
	VHT20	1	2412	15.41	17.00	No
		2	2417	17.21	19.00	No
		6	2437	17.32	19.00	No
		10	2457	17.32	19.00	No
		11	2462	16.30	18.00	No
	VHT40	3	2422	13.60	15.50	No
		4	2427	17.05	19.00	No
		6	2437	17.02	19.00	No
		8	2447	17.09	19.00	No
		9	2452	14.56	16.50	No

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

1) The largest channel bandwidth configuration is selected between the multiple configurations in a frequency band with the

same maximum tune-up output power.
2) When multiple transmission modes (802.11b/g/n/VHT) 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.

8.7.5 5G WIFI-Ant.8 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	16.20	18.00	No
		44	5220	16.78	18.50	No
		48	5240	16.79	18.50	No
	802.11n(HT20)	36	5180	16.09	18.00	No
		44	5220	17.99	19.50	No
		48	5240	18.04	19.50	No
	802.11n(HT40)	38	5190	13.66	15.50	No
		46	5230	17.87	19.50	No
	802.11ac(VHT20)	36	5180	16.05	18.00	No
		44	5220	15.76	17.50	No
		48	5240	18.28	19.50	No
	802.11ac(VHT40)	38	5190	14.29	16.00	No
		46	5230	15.87	17.50	No
	802.11ac(VHT80)	42	5210	12.97	14.50	No
5.3 (5.25~5.35)	802.11a	52	5260	15.07	17.00	No
		60	5300	18.28	19.50	No
		64	5320	18.22	19.50	No
	802.11n(HT20)	52	5260	18.10	19.50	No
		60	5300	18.13	19.50	No
		64	5320	14.92	16.50	No
	802.11n(HT40)	54	5270	18.08	19.50	No
		62	5310	14.56	16.50	No
	802.11ac(VHT20)	52	5260	18.27	19.50	No
		60	5300	18.10	19.50	No
		64	5320	14.89	16.50	No
	802.11ac(VHT40)	54	5270	17.94	19.50	No
		62	5310	13.01	15.00	No
	802.11ac(VHT80)	58	5290	12.23	14.00	No
5.6 (5.47~5.725)	802.11a	100	5500	15.41	17.00	No
		104	5520	17.97	19.50	No
		116	5580	18.12	19.50	No
		136	5680	18.01	19.50	No
		140	5700	12.41	14.00	No
	802.11n(HT20)	100	5500	14.28	16.00	No
		104	5520	17.95	19.50	No
		116	5580	18.24	19.50	No
		136	5680	18.00	19.50	No
		140	5700	12.28	14.00	No
	802.11n(HT40)	102	5510	12.79	14.50	No

		110	5550	17.95	19.50	No
		118	5590	18.19	19.50	No
		126	5630	17.92	19.50	No
		134	5670	14.93	16.50	No
	802.11ac(VHT20)	100	5500	14.35	16.00	No
		104	5520	17.95	19.50	No
		116	5580	18.12	19.50	No
		136	5680	17.99	19.50	No
		140	5700	12.76	14.50	No
	802.11ac(VHT40)	102	5510	12.84	14.50	No
		110	5550	18.03	19.50	No
		118	5590	18.19	19.50	No
		126	5630	17.94	19.50	No
		134	5670	14.43	16.00	No
	802.11ac(VHT80)	106	5530	11.88	13.50	No
		122	5610	13.60	15.50	No
5.8 (5.725~5.850)	802.11a	149	5745	17.92	19.50	No
		157	5785	18.27	19.50	No
		165	5825	18.20	19.50	No
	802.11n(HT20)	149	5745	18.05	19.50	No
		157	5785	17.93	19.50	No
		165	5825	18.05	19.50	No
	802.11n(HT40)	151	5755	18.17	19.50	No
		159	5795	17.92	19.50	No
	802.11ac(VHT20)	149	5745	18.15	19.50	No
		157	5785	17.97	19.50	No
		165	5825	18.06	19.50	No
	802.11ac(VHT40)	151	5755	18.27	19.50	No
		159	5795	18.16	19.50	No
	802.11ac(VHT80)	155	5775	18.00	19.50	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.						

8.7.6 5G WIFI-Ant.8 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	13.01	14.00	No
		44	5220	13.23	14.00	No
		48	5240	13.11	14.00	No
	802.11n(HT20)	36	5180	13.19	14.00	No
		44	5220	13.12	14.00	No
		48	5240	12.92	14.00	No
	802.11n(HT40)	38	5190	13.13	14.00	No
		46	5230	12.99	14.00	No
	802.11ac(VHT20)	36	5180	13.07	14.00	No
		44	5220	12.98	14.00	No
		48	5240	12.93	14.00	No
	802.11ac(VHT40)	38	5190	12.99	14.00	No
		46	5230	13.02	14.00	No
	802.11ac(VHT80)	42	5210	13.06	14.00	No
5.3 (5.25~5.35)	802.11a	52	5260	12.91	14.00	No
		60	5300	12.98	14.00	No
		64	5320	13.03	14.00	No
	802.11n(HT20)	52	5260	12.89	14.00	No
		60	5300	13.17	14.00	No
		64	5320	12.98	14.00	No
	802.11n(HT40)	54	5270	13.22	14.00	No
		62	5310	13.04	14.00	No
	802.11ac(VHT20)	52	5260	12.99	14.00	No
		60	5300	13.09	14.00	No
		64	5320	13.06	14.00	No
	802.11ac(VHT40)	54	5270	12.89	14.00	No
		62	5310	13.15	14.00	No
	802.11ac(VHT80)	58	5290	**13.11**	14.00	Yes
5.6 (5.47~5.725)	802.11a	100	5500	12.04	13.00	No
		104	5520	/	13.00	No
		116	5580	12.18	13.00	No
		136	5680	/	13.00	No
		140	5700	12.00	13.00	No
	802.11n(HT20)	100	5500	11.92	13.00	No
		104	5520	/	13.00	No
		116	5580	11.97	13.00	No
		136	5680	/	13.00	No
		140	5700	12.18	13.00	No
	802.11n(HT40)	102	5510	12.04	13.00	No

		110	5550	/	13.00	No
		118	5590	12.23	13.00	No
		126	5630	/	13.00	No
		134	5670	11.91	13.00	No
	802.11ac(VHT20)	100	5500	11.90	13.00	No
		104	5520	/	13.00	No
		116	5580	12.04	13.00	No
		136	5680	/	13.00	No
		140	5700	11.94	13.00	No
	802.11ac(VHT40)	102	5510	12.02	13.00	No
		110	5550	/	13.00	No
		118	5590	11.91	13.00	No
		126	5630	/	13.00	No
		134	5670	11.89	13.00	No
	802.11ac(VHT80)	106	5530	11.95	13.00	Yes
		122	5610	**12.02**	13.00	Yes
5.8 (5.725~5.850)	802.11a	149	5745	12.71	13.50	No
		157	5785	12.73	13.50	No
		165	5825	12.63	13.50	No
	802.11n(HT20)	149	5745	12.59	13.50	No
		157	5785	12.46	13.50	No
		165	5825	12.47	13.50	No
	802.11n(HT40)	151	5755	12.66	13.50	No
		159	5795	12.46	13.50	No
	802.11ac(VHT20)	149	5745	12.48	13.50	No
		157	5785	12.40	13.50	No
		165	5825	12.47	13.50	No
	802.11ac(VHT40)	151	5755	12.56	13.50	No
		159	5795	12.62	13.50	No
	802.11ac(VHT80)	155	5775	**12.64**	13.50	Yes
Note: When the same maximum output power is specified for both bands, begin SAR measurement in U-NII-2A band by applying the OFDM SAR requirements. If the highest reported SAR for a test configuration is ≤ 1.2 W/kg, SAR is not required for U-NII-1 band for that configuration (802.11 mode and exposure condition); otherwise, each band is tested independently for SAR.						

8.7.7 5G WIFI-Ant.8 Level3&4

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	9.65	10.50	No
		44	5220	9.71	10.50	No
		48	5240	9.64	10.50	No
	802.11n(HT20)	36	5180	9.55	10.50	No
		44	5220	9.59	10.50	No
		48	5240	9.72	10.50	No
	802.11n(HT40)	38	5190	9.65	10.50	No
		46	5230	9.46	10.50	No
	802.11ac(VHT20)	36	5180	9.46	10.50	No
		44	5220	9.57	10.50	No
		48	5240	9.60	10.50	No
	802.11ac(VHT40)	38	5190	9.62	10.50	No
		46	5230	9.55	10.50	No
	802.11ac(VHT80)	42	5210	9.41	10.50	No
5.3 (5.25~5.35)	802.11a	52	5260	9.62	10.50	No
		60	5300	9.40	10.50	No
		64	5320	9.59	10.50	No
	802.11n(HT20)	52	5260	9.73	10.50	No
		60	5300	9.55	10.50	No
		64	5320	9.65	10.50	No
	802.11n(HT40)	54	5270	9.60	10.50	No
		62	5310	9.73	10.50	No
	802.11ac(VHT20)	52	5260	9.62	10.50	No
		60	5300	9.55	10.50	No
		64	5320	9.60	10.50	No
	802.11ac(VHT40)	54	5270	9.53	10.50	No
		62	5310	9.65	10.50	No
	802.11ac(VHT80)	58	5290	**9.59**	10.50	Yes
5.6 (5.47~5.725)	802.11a	100	5500	9.05	10.00	No
		104	5520	/	10.00	No
		116	5580	9.09	10.00	No
		136	5680	/	10.00	No
		140	5700	9.16	10.00	No
	802.11n(HT20)	100	5500	8.96	10.00	No
		104	5520	/	10.00	No
		116	5580	8.99	10.00	No
		136	5680	/	10.00	No
		140	5700	9.12	10.00	No
	802.11n(HT40)	102	5510	9.03	10.00	No

		110	5550	/	10.00	No
		118	5590	9.14	10.00	No
		126	5630	/	10.00	No
		134	5670	9.11	10.00	No
	802.11ac(VHT20)	100	5500	8.90	10.00	No
		104	5520	/	10.00	No
		116	5580	9.10	10.00	No
		136	5680	/	10.00	No
		140	5700	9.22	10.00	No
	802.11ac(VHT40)	102	5510	9.22	10.00	No
		110	5550	/	10.00	No
		118	5590	9.09	10.00	No
		126	5630	/	10.00	No
		134	5670	9.13	10.00	No
	802.11ac(VHT80)	106	5530	8.93	10.00	No
		122	5610	**9.04**	10.00	Yes
5.8 (5.725~5.850)	802.11a	149	5745	9.48	10.50	No
		157	5785	9.56	10.50	No
		165	5825	9.40	10.50	No
	802.11n(HT20)	149	5745	9.72	10.50	No
		157	5785	9.72	10.50	No
		165	5825	9.72	10.50	No
	802.11n(HT40)	151	5755	9.67	10.50	No
		159	5795	9.54	10.50	No
	802.11ac(VHT20)	149	5745	9.41	10.50	No
		157	5785	9.54	10.50	No
		165	5825	9.50	10.50	No
	802.11ac(VHT40)	151	5755	9.52	10.50	No
		159	5795	9.71	10.50	No
	802.11ac(VHT80)	155	5775	**9.57**	10.50	Yes
Note: When the same maximum output power is specified for both bands, begin SAR measurement in U-NII-2A band by applying the OFDM SAR requirements. If the highest reported SAR for a test configuration is ≤ 1.2 W/kg, SAR is not required for U-NII-1 band for that configuration (802.11 mode and exposure condition); otherwise, each band is tested independently for SAR.						

8.7.8 5G WIFI-Ant.8 Level5&6

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	15.03	16.00	No
		44	5220	14.93	16.00	No
		48	5240	15.03	16.00	No
	802.11n(HT20)	36	5180	15.12	16.00	No
		44	5220	15.13	16.00	No
		48	5240	15.16	16.00	No
	802.11n(HT40)	38	5190	13.66	15.50	No
		46	5230	**14.92**	16.00	Yes
	802.11ac(VHT20)	36	5180	15.11	16.00	No
		44	5220	14.90	16.00	No
		48	5240	15.03	16.00	No
	802.11ac(VHT40)	38	5190	14.29	16.00	No
		46	5230	15.23	16.00	No
	802.11ac(VHT80)	42	5210	12.97	14.50	No
5.3 (5.25~5.35)	802.11a	52	5260	15.14	16.00	No
		60	5300	15.14	16.00	No
		64	5320	14.92	16.00	No
	802.11n(HT20)	52	5260	14.99	16.00	No
		60	5300	15.09	16.00	No
		64	5320	14.97	16.00	No
	802.11n(HT40)	54	5270	**15.03**	16.00	Yes
		62	5310	15.00	16.00	No
	802.11ac(VHT20)	52	5260	14.97	16.00	No
		60	5300	14.97	16.00	No
		64	5320	15.17	16.00	No
	802.11ac(VHT40)	54	5270	15.19	16.00	No
		62	5310	13.01	15.00	No
	802.11ac(VHT80)	58	5290	12.23	14.00	No
5.6 (5.47~5.725)	802.11a	100	5500	14.94	16.00	No
		104	5520	15.11	16.00	No
		116	5580	15.11	16.00	No
		136	5680	15.02	16.00	No
		140	5700	12.41	14.00	No
	802.11n(HT20)	100	5500	14.28	16.00	No
		104	5520	/	16.00	No
		116	5580	14.95	16.00	No
		136	5680	14.93	16.00	No
		140	5700	12.28	14.00	No
	802.11n(HT40)	102	5510	12.79	14.50	No

		110	5550	14.87	16.00	No
		118	5590	**14.91**	16.00	Yes
		126	5630	/	16.00	No
		134	5670	14.90	16.00	No
	802.11ac(VHT20)	100	5500	14.35	16.00	No
		104	5520	/	16.00	No
		116	5580	15.09	16.00	No
		136	5680	15.01	16.00	No
		140	5700	12.76	14.50	No
	802.11ac(VHT40)	102	5510	12.84	14.50	No
		110	5550	15.04	16.00	No
		118	5590	15.23	16.00	No
		126	5630	/	16.00	No
		134	5670	14.43	16.00	No
	802.11ac(VHT80)	106	5530	11.88	13.50	No
		122	5610	13.60	15.50	No
5.8 (5.725~5.850)	802.11a	149	5745	16.63	17.00	No
		157	5785	16.73	17.00	No
		165	5825	16.39	17.00	No
	802.11n(HT20)	149	5745	16.41	17.00	No
		157	5785	16.62	17.00	No
		165	5825	16.52	17.00	No
	802.11n(HT40)	151	5755	16.60	17.00	No
		159	5795	16.63	17.00	No
	802.11ac(VHT20)	149	5745	16.64	17.00	No
		157	5785	16.55	17.00	No
		165	5825	16.73	17.00	No
	802.11ac(VHT40)	151	5755	16.57	17.00	No
		159	5795	16.49	17.00	No
	802.11ac(VHT80)	155	5775	**16.92**	17.00	Yes
Note: When the same maximum output power is specified for both bands, begin SAR measurement in U-NII-2A band by applying the OFDM SAR requirements. If the highest reported SAR for a test configuration is ≤ 1.2 W/kg, SAR is not required for U-NII-1 band for that configuration (802.11 mode and exposure condition); otherwise, each band is tested independently for SAR.						

8.7.9 5G WIFI-Ant.8 Level7&8

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	12.12	13.00	No
		44	5220	12.06	13.00	No
		48	5240	11.91	13.00	No
	802.11n(HT20)	36	5180	12.17	13.00	No
		44	5220	11.91	13.00	No
		48	5240	11.95	13.00	No
	802.11n(HT40)	38	5190	11.95	13.00	No
		46	5230	12.20	13.00	No
	802.11ac(VHT20)	36	5180	12.06	13.00	No
		44	5220	12.01	13.00	No
		48	5240	12.18	13.00	No
	802.11ac(VHT40)	38	5190	12.10	13.00	No
		46	5230	11.89	13.00	No
	802.11ac(VHT80)	42	5210	**12.23**	13.00	Yes
5.3 (5.25~5.35)	802.11a	52	5260	12.08	13.00	No
		60	5300	12.03	13.00	No
		64	5320	12.08	13.00	No
	802.11n(HT20)	52	5260	11.92	13.00	No
		60	5300	11.95	13.00	No
		64	5320	12.19	13.00	No
	802.11n(HT40)	54	5270	12.20	13.00	No
		62	5310	12.22	13.00	No
	802.11ac(VHT20)	52	5260	12.09	13.00	No
		60	5300	11.96	13.00	No
		64	5320	12.03	13.00	No
	802.11ac(VHT40)	54	5270	12.04	13.00	No
		62	5310	12.23	13.00	No
	802.11ac(VHT80)	58	5290	**12.08**	13.00	Yes
5.6 (5.47~5.725)	802.11a	100	5500	11.92	13.00	No
		104	5520	/	13.00	No
		116	5580	11.90	13.00	No
		136	5680	/	13.00	No
		140	5700	12.07	13.00	No
	802.11n(HT20)	100	5500	11.90	13.00	No
		104	5520	/	13.00	No
		116	5580	11.97	13.00	No
		136	5680	/	13.00	No
		140	5700	11.94	13.00	No
	802.11n(HT40)	102	5510	11.98	13.00	No

		110	5550	/	13.00	No
		118	5590	12.01	13.00	No
		126	5630	/	13.00	No
		134	5670	11.95	13.00	No
	802.11ac(VHT20)	100	5500	11.91	13.00	No
		104	5520	/	13.00	No
		116	5580	12.20	13.00	No
		136	5680	/	13.00	No
		140	5700	12.18	13.00	No
	802.11ac(VHT40)	102	5510	12.22	13.00	No
		110	5550	/	13.00	No
		118	5590	11.92	13.00	No
		126	5630	/	13.00	No
		134	5670	12.07	13.00	No
	802.11ac(VHT80)	106	5530	**12.19**	13.00	Yes
		122	5610	12.08	13.00	No
5.8 (5.725~5.850)	802.11a	149	5745	13.70	14.00	No
		157	5785	13.57	14.00	No
		165	5825	13.56	14.00	No
	802.11n(HT20)	149	5745	13.51	14.00	No
		157	5785	13.41	14.00	No
		165	5825	13.52	14.00	No
	802.11n(HT40)	151	5755	13.48	14.00	No
		159	5795	13.39	14.00	No
	802.11ac(VHT20)	149	5745	13.44	14.00	No
		157	5785	13.52	14.00	No
		165	5825	13.73	14.00	No
	802.11ac(VHT40)	151	5755	13.42	14.00	No
		159	5795	13.57	14.00	No
	802.11ac(VHT80)	155	5775	**13.95**	14.00	Yes
Note: When the same maximum output power is specified for both bands, begin SAR measurement in U-NII-2A band by applying the OFDM SAR requirements. If the highest reported SAR for a test configuration is ≤ 1.2 W/kg, SAR is not required for U-NII-1 band for that configuration (802.11 mode and exposure condition); otherwise, each band is tested independently for SAR.						

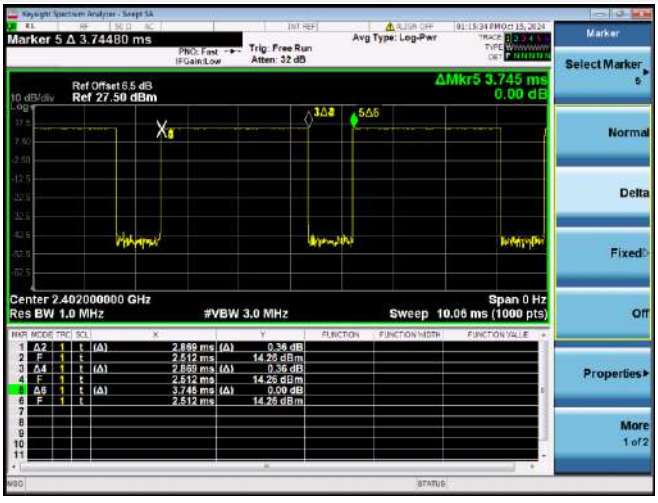
8.8 Bluetooth

Mode	GFSK			π/4-DQPSK		
Channel	0	39	78	0	39	78
Frequency (MHz)	2402	2441	2480	2402	2441	2480
Conducted Power (dBm)	15.01	15.05	**15.08**	12.80	12.99	12.02
Tune-Up Limit (dBm)	17.00	17.00	17.00	14.00	14.00	14.00
SAR Test Require	NO	NO	YES	NO	NO	NO
Mode	8-DPSK			/		
Channel	0	39	78	/	/	/
Frequency (MHz)	2402	2441	2480	/	/	/
Conducted Power (dBm)	12.65	12.79	12.05	/	/	/
Tune-Up Limit (dBm)	14.00	14.00	14.00	/	/	/
SAR Test Require	NO	NO	NO	/	/	/
Mode	BLE-1Mbps			BLE-2Mbps		
Channel	0	19	39	1	19	38
Frequency (MHz)	2402	2440	2480	2404	2440	2478
Conducted Power (dBm)	7.14	7.60	7.53	7.03	7.48	7.54
Tune-Up Limit (dBm)	9.00	9.00	9.00	9.00	9.00	9.00
SAR Test Require	NO	NO	NO	NO	NO	NO
Note 1: Since bluetooth BR mode is the maximum output power mode，SAR measurements were performed with test software using DH5 modulation, and SAR measurement is not required for the EDR and LE. When the secondary mode is ≤ ¼ dB higher than the primary mode.						

Note: The Bluetooth duty cycle is 76.61 % 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



8.9 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
State5	On (head scenario)	WWAN Use Only & WWAN + BT	Ant.0	Head
			Ant.1	
			Ant.3	
			Ant.4	
State10	On (head scenario)	WWAN + WLAN	Ant.0	Head
			Ant.1	
			Ant.3	
			Ant.4	
State3	Off (Body scenario)	WWAN Use Only & WWAN + BT	Ant.0	Front Side;Back Side;Left Edge;Right Edge;Top Edge;Bottom Edge
			Ant.1	
			Ant.3	
			Ant.4	
State8	Off (Body scenario)	WWAN + WLAN	Ant.0	Front Side;Back Side;Left Edge;Right Edge;Top Edge;Bottom Edge
			Ant.1	
			Ant.3	
			Ant.4	

Mode	Antenna	WWAN Antenna								
			Receiver on		Receiver off					
			Head		Body-worn		Hotspot		Specific	
		Full Power	WWAN Use Only & WWAN + BT	WWAN + WLAN	WWAN Use Only & WWAN + BT	WWAN + WLAN	WWAN + BT	WWAN + WLAN	WWAN Use Only & WWAN + BT	WWAN + WLAN
		Off	State5	State10	State3	State8	State3	State8	State3	State8
GSM 850	Ant.0	33.50	33.50	33.50	33.50	33.50	33.50	33.50	33.50	33.50
GPRS850 1 Tx Slot	Ant.0	33.50	33.50	33.50	33.50	33.50	33.50	33.50	33.50	33.50
GPRS850 2 Tx Slot	Ant.0	31.00	31.00	31.00	31.00	31.00	31.00	31.00	31.00	31.00
GPRS850 3 Tx Slot	Ant.0	29.00	29.00	29.00	29.00	29.00	29.00	29.00	29.00	29.00
GPRS850 4 Tx Slot	Ant.0	28.00	28.00	28.00	28.00	28.00	28.00	28.00	28.00	28.00

EGPRS850 1 Tx Slot	Ant.0	28.50	28.50	28.50	28.50	28.50	28.50	28.50	28.50	28.50
EGPRS850 2 Tx Slot	Ant.0	27.00	27.00	27.00	27.00	27.00	27.00	27.00	27.00	27.00
EGPRS850 3 Tx Slot	Ant.0	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00
EGPRS850 4 Tx Slot	Ant.0	23.50	23.50	23.50	23.50	23.50	23.50	23.50	23.50	23.50
GSM 850	Ant.1	33.50	31.50	30.50	33.50	33.50	33.50	33.50	33.50	33.50
GPRS850 1 Tx Slot	Ant.1	33.50	31.50	30.50	33.50	33.50	33.50	33.50	33.50	33.50
GPRS850 2 Tx Slot	Ant.1	31.00	29.00	28.00	31.00	31.00	31.00	31.00	31.00	31.00
GPRS850 3 Tx Slot	Ant.1	29.00	27.00	26.00	29.00	29.00	29.00	29.00	29.00	29.00
GPRS850 4 Tx Slot	Ant.1	28.00	26.00	25.00	28.00	28.00	28.00	28.00	28.00	28.00
EGPRS850 1 Tx Slot	Ant.1	28.50	26.50	25.50	28.50	28.50	28.50	28.50	28.50	28.50
EGPRS850 2 Tx Slot	Ant.1	27.00	25.00	24.00	27.00	27.00	27.00	27.00	27.00	27.00
EGPRS850 3 Tx Slot	Ant.1	25.00	23.00	22.00	25.00	25.00	25.00	25.00	25.00	25.00
EGPRS850 4 Tx Slot	Ant.1	23.50	21.50	20.50	23.50	23.50	23.50	23.50	23.50	23.50
GSM1900	Ant.0	30.50	30.50	30.50	30.50	30.50	30.50	30.50	30.50	30.50
GPRS1900 1 Tx Slot	Ant.0	30.50	30.50	30.50	30.50	30.50	30.50	30.50	30.50	30.50
GPRS1900 2 Tx Slot	Ant.0	28.00	28.00	28.00	28.00	28.00	28.00	28.00	28.00	28.00
GPRS1900 3 Tx Slot	Ant.0	26.50	26.50	26.50	26.50	26.50	26.50	26.50	26.50	26.50
GPRS1900 4 Tx Slot	Ant.0	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00
EGPRS1900 1 Tx Slot	Ant.0	28.00	28.00	28.00	28.00	28.00	28.00	28.00	28.00	28.00
EGPRS1900 2 Tx Slot	Ant.0	26.50	26.50	26.50	26.50	26.50	26.50	26.50	26.50	26.50
EGPRS1900 3 Tx Slot	Ant.0	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00
EGPRS1900 4 Tx Slot	Ant.0	22.50	22.50	22.50	22.50	22.50	22.50	22.50	22.50	22.50
GSM1900	Ant.3	30.50	27.25	26.25	30.50	30.50	30.50	30.50	30.50	30.50
GPRS1900 1 Tx Slot	Ant.3	30.50	27.25	26.25	30.50	30.50	30.50	30.50	30.50	30.50
GPRS1900 2 Tx Slot	Ant.3	28.00	24.75	23.75	28.00	28.00	28.00	28.00	28.00	28.00
GPRS1900 3 Tx Slot	Ant.3	26.50	23.25	22.25	26.50	26.50	26.50	26.50	26.50	26.50
GPRS1900 4 Tx Slot	Ant.3	25.00	21.75	20.75	25.00	25.00	25.00	25.00	25.00	25.00
EGPRS1900 1 Tx Slot	Ant.3	28.00	24.75	23.75	28.00	28.00	28.00	28.00	28.00	28.00
EGPRS1900 2 Tx Slot	Ant.3	26.50	23.25	22.25	26.50	26.50	26.50	26.50	26.50	26.50
EGPRS1900 3 Tx Slot	Ant.3	24.00	20.75	19.75	24.00	24.00	24.00	24.00	24.00	24.00
EGPRS1900 4 Tx Slot	Ant.3	22.50	19.25	18.25	22.50	22.50	22.50	22.50	22.50	22.50
WCDMA Band2 RMC	Ant.0	24.00	24.00	24.00	21.75	21.00	21.75	21.00	21.75	21.00
WCDMA Band2 AMR	Ant.0	24.00	24.00	24.00	21.75	21.00	21.75	21.00	21.75	21.00
HSDPA Subtest-1	Ant.0	23.00	23.00	23.00	20.75	20.00	20.75	20.00	20.75	20.00
HSDPA Subtest-2	Ant.0	23.00	23.00	23.00	20.75	20.00	20.75	20.00	20.75	20.00
HSDPA Subtest-3	Ant.0	22.50	22.50	22.50	20.25	19.50	20.25	19.50	20.25	19.50
HSDPA Subtest-4	Ant.0	22.50	22.50	22.50	20.25	19.50	20.25	19.50	20.25	19.50
DC-HSDPA Subtest-1	Ant.0	23.00	23.00	23.00	20.75	20.00	20.75	20.00	20.75	20.00
DC-HSDPA Subtest-2	Ant.0	23.00	23.00	23.00	20.75	20.00	20.75	20.00	20.75	20.00
DC-HSDPA Subtest-3	Ant.0	22.50	22.50	22.50	20.25	19.50	20.25	19.50	20.25	19.50
DC-HSDPA Subtest-4	Ant.0	22.50	22.50	22.50	20.25	19.50	20.25	19.50	20.25	19.50
HSUPA Subtest-1	Ant.0	21.50	21.50	21.50	19.25	18.50	19.25	18.50	19.25	18.50
HSUPA Subtest-2	Ant.0	20.00	20.00	20.00	17.75	17.00	17.75	17.00	17.75	17.00

HSUPA Subtest-3	Ant.0	21.00	21.00	21.00	18.75	18.00	18.75	18.00	18.75	18.00
HSUPA Subtest-4	Ant.0	20.50	20.50	20.50	18.25	17.50	18.25	17.50	18.25	17.50
HSUPA Subtest-5	Ant.0	23.00	23.00	23.00	20.75	20.00	20.75	20.00	20.75	20.00
HSPA+(16QAM)	Ant.0	22.50	22.50	22.50	20.25	19.50	20.25	19.50	20.25	19.50
WCDMA Band2 RMC	Ant.3	24.00	19.00	18.25	21.25	21.00	21.25	21.00	21.25	21.00
WCDMA Band2 AMR	Ant.3	24.00	19.00	18.25	21.25	21.00	21.25	21.00	21.25	21.00
HSDPA Subtest-1	Ant.3	23.00	18.00	17.25	20.25	20.00	20.25	20.00	20.25	20.00
HSDPA Subtest-2	Ant.3	23.00	18.00	17.25	20.25	20.00	20.25	20.00	20.25	20.00
HSDPA Subtest-3	Ant.3	22.50	17.50	16.75	19.75	19.50	19.75	19.50	19.75	19.50
HSDPA Subtest-4	Ant.3	22.50	17.50	16.75	19.75	19.50	19.75	19.50	19.75	19.50
DC-HSDPA Subtest-1	Ant.3	23.00	18.00	17.25	20.25	20.00	20.25	20.00	20.25	20.00
DC-HSDPA Subtest-2	Ant.3	23.00	18.00	17.25	20.25	20.00	20.25	20.00	20.25	20.00
DC-HSDPA Subtest-3	Ant.3	22.50	17.50	16.75	19.75	19.50	19.75	19.50	19.75	19.50
DC-HSDPA Subtest-4	Ant.3	22.50	17.50	16.75	19.75	19.50	19.75	19.50	19.75	19.50
HSUPA Subtest-1	Ant.3	21.50	16.50	15.75	18.75	18.50	18.75	18.50	18.75	18.50
HSUPA Subtest-2	Ant.3	20.00	15.00	14.25	17.25	17.00	17.25	17.00	17.25	17.00
HSUPA Subtest-3	Ant.3	21.00	16.00	15.25	18.25	18.00	18.25	18.00	18.25	18.00
HSUPA Subtest-4	Ant.3	20.50	15.50	14.75	17.75	17.50	17.75	17.50	17.75	17.50
HSUPA Subtest-5	Ant.3	23.00	18.00	17.25	20.25	20.00	20.25	20.00	20.25	20.00
HSPA+(16QAM)	Ant.3	22.50	17.50	16.75	19.75	19.50	19.75	19.50	19.75	19.50
WCDMA Band4 RMC	Ant.0	24.00	24.00	24.00	21.00	20.75	21.00	20.75	21.00	20.75
WCDMA Band4 AMR	Ant.0	24.00	24.00	24.00	21.00	20.75	21.00	20.75	21.00	20.75
HSDPA Subtest-1	Ant.0	23.00	23.00	23.00	20.00	19.75	20.00	19.75	20.00	19.75
HSDPA Subtest-2	Ant.0	23.00	23.00	23.00	20.00	19.75	20.00	19.75	20.00	19.75
HSDPA Subtest-3	Ant.0	22.50	22.50	22.50	19.50	19.25	19.50	19.25	19.50	19.25
HSDPA Subtest-4	Ant.0	22.50	22.50	22.50	19.50	19.25	19.50	19.25	19.50	19.25
DC-HSDPA Subtest-1	Ant.0	23.00	23.00	23.00	20.00	19.75	20.00	19.75	20.00	19.75
DC-HSDPA Subtest-2	Ant.0	23.00	23.00	23.00	20.00	19.75	20.00	19.75	20.00	19.75
DC-HSDPA Subtest-3	Ant.0	22.50	22.50	22.50	19.50	19.25	19.50	19.25	19.50	19.25
DC-HSDPA Subtest-4	Ant.0	22.50	22.50	22.50	19.50	19.25	19.50	19.25	19.50	19.25
HSUPA Subtest-1	Ant.0	21.50	21.50	21.50	18.50	18.25	18.50	18.25	18.50	18.25
HSUPA Subtest-2	Ant.0	20.00	20.00	20.00	17.00	16.75	17.00	16.75	17.00	16.75
HSUPA Subtest-3	Ant.0	21.00	21.00	21.00	18.00	17.75	18.00	17.75	18.00	17.75
HSUPA Subtest-4	Ant.0	20.50	20.50	20.50	17.50	17.25	17.50	17.25	17.50	17.25
HSUPA Subtest-5	Ant.0	23.00	23.00	23.00	20.00	19.75	20.00	19.75	20.00	19.75
HSPA+(16QAM)	Ant.0	22.50	22.50	22.50	19.50	19.25	19.50	19.25	19.50	19.25
WCDMA Band4 RMC	Ant.1	24.00	18.75	18.00	22.25	21.75	22.25	21.75	22.25	21.75
WCDMA Band4 AMR	Ant.1	24.00	18.75	18.00	22.25	21.75	22.25	21.75	22.25	21.75
HSDPA Subtest-1	Ant.1	23.00	17.75	17.00	21.25	20.75	21.25	20.75	21.25	20.75
HSDPA Subtest-2	Ant.1	23.00	17.75	17.00	21.25	20.75	21.25	20.75	21.25	20.75
HSDPA Subtest-3	Ant.1	22.50	17.25	16.50	20.75	20.25	20.75	20.25	20.75	20.25
HSDPA Subtest-4	Ant.1	22.50	17.25	16.50	20.75	20.25	20.75	20.25	20.75	20.25
DC-HSDPA Subtest-1	Ant.1	23.00	17.75	17.00	21.25	20.75	21.25	20.75	21.25	20.75

DC-HSDPA Subtest-2	Ant.1	23.00	17.75	17.00	21.25	20.75	21.25	20.75	21.25	20.75
DC-HSDPA Subtest-3	Ant.1	22.50	17.25	16.50	20.75	20.25	20.75	20.25	20.75	20.25
DC-HSDPA Subtest-4	Ant.1	22.50	17.25	16.50	20.75	20.25	20.75	20.25	20.75	20.25
HSUPA Subtest-1	Ant.1	21.50	16.25	15.50	19.75	19.25	19.75	19.25	19.75	19.25
HSUPA Subtest-2	Ant.1	20.00	14.75	14.00	18.25	17.75	18.25	17.75	18.25	17.75
HSUPA Subtest-3	Ant.1	21.00	15.75	15.00	19.25	18.75	19.25	18.75	19.25	18.75
HSUPA Subtest-4	Ant.1	20.50	15.25	14.50	18.75	18.25	18.75	18.25	18.75	18.25
HSUPA Subtest-5	Ant.1	23.00	17.75	17.00	21.25	20.75	21.25	20.75	21.25	20.75
HSPA+(16QAM)	Ant.1	22.50	17.25	16.50	20.75	20.25	20.75	20.25	20.75	20.25
WCDMA Band5 RMC	Ant.0	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50
WCDMA Band5 AMR	Ant.0	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50
HSDPA Subtest-1	Ant.0	23.50	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	23.50
HSDPA Subtest-3	Ant.0	23.00	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	23.00
DC-HSDPA Subtest-1	Ant.0	23.50	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	23.50
DC-HSDPA Subtest-3	Ant.0	23.00	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	23.00
HSUPA Subtest-1	Ant.0	22.00	22.00	22.00	22.00	22.00	22.00	22.00	22.00	22.00
HSUPA Subtest-2	Ant.0	20.50	20.50	20.50	20.50	20.50	20.50	20.50	20.50	20.50
HSUPA Subtest-3	Ant.0	21.50	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	21.00
HSUPA Subtest-5	Ant.0	23.50	23.50	23.50	23.50	23.50	23.50	23.50	23.50	23.50
HSPA+(16QAM)	Ant.0	22.50	22.50	22.50	22.50	22.50	22.50	22.50	22.50	22.50
WCDMA Band5 RMC	Ant.1	24.50	23.50	23.00	24.50	24.25	24.50	24.25	24.50	24.25
WCDMA Band5 AMR	Ant.1	24.50	23.50	23.00	24.50	24.25	24.50	24.25	24.50	24.25
HSDPA Subtest-1	Ant.1	23.50	22.50	22.00	23.50	23.25	23.50	23.25	23.50	23.25
HSDPA Subtest-2	Ant.1	23.50	22.50	22.00	23.50	23.25	23.50	23.25	23.50	23.25
HSDPA Subtest-3	Ant.1	23.00	22.00	21.50	23.00	22.75	23.00	22.75	23.00	22.75
HSDPA Subtest-4	Ant.1	23.00	22.00	21.50	23.00	22.75	23.00	22.75	23.00	22.75
DC-HSDPA Subtest-1	Ant.1	23.50	22.50	22.00	23.50	23.25	23.50	23.25	23.50	23.25
DC-HSDPA Subtest-2	Ant.1	23.50	22.50	22.00	23.50	23.25	23.50	23.25	23.50	23.25
DC-HSDPA Subtest-3	Ant.1	23.00	22.00	21.50	23.00	22.75	23.00	22.75	23.00	22.75
DC-HSDPA Subtest-4	Ant.1	23.00	22.00	21.50	23.00	22.75	23.00	22.75	23.00	22.75
HSUPA Subtest-1	Ant.1	22.00	21.00	20.50	22.00	21.75	22.00	21.75	22.00	21.75
HSUPA Subtest-2	Ant.1	20.50	19.50	19.00	20.50	20.25	20.50	20.25	20.50	20.25
HSUPA Subtest-3	Ant.1	21.50	20.50	20.00	21.50	21.25	21.50	21.25	21.50	21.25
HSUPA Subtest-4	Ant.1	21.00	20.00	19.50	21.00	20.75	21.00	20.75	21.00	20.75
HSUPA Subtest-5	Ant.1	23.50	22.50	22.00	23.50	23.25	23.50	23.25	23.50	23.25
HSPA+(16QAM)	Ant.1	22.50	21.50	21.00	22.50	22.25	22.50	22.25	22.50	22.25
LTE Band2	Ant.0	23.50	23.50	23.50	22.25	21.25	22.25	21.25	22.25	21.25
LTE Band2	Ant.3	23.50	19.25	18.50	21.50	21.00	21.50	21.00	21.50	21.00

LTE Band4	Ant.0	23.50	23.50	23.50	21.25	20.75	21.25	20.75	21.25	20.75
LTE Band4	Ant.3	23.50	19.00	18.00	22.25	22.00	22.25	22.00	22.25	22.00
LTE Band5	Ant.0	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50
LTE Band5	Ant.1	24.50	23.00	22.00	24.50	24.50	24.50	24.50	24.50	24.50
LTE Band7	Ant.0	24.20	24.20	24.20	21.95	21.70	21.95	21.70	21.95	21.70
LTE Band7	Ant.3	24.20	18.20	18.20	19.95	19.70	19.95	19.70	19.95	19.70
LTE Band7	Ant.4	23.20	23.20	23.20	19.20	18.70	19.20	18.70	19.20	18.70
LTE Band12	Ant.0	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50
LTE Band12	Ant.1	24.50	24.50	24.50	24.50	24.00	24.50	24.00	24.50	24.00
LTE Band13	Ant.0	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50
LTE Band13	Ant.1	24.50	24.50	23.75	24.50	24.00	24.50	24.00	24.50	24.00
LTE Band17	Ant.0	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50
LTE Band17	Ant.1	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50
LTE Band26	Ant.0	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00
LTE Band26	Ant.1	24.00	23.50	22.00	24.00	24.00	24.00	24.00	24.00	24.00
LTE Band66	Ant.0	24.00	23.50	22.75	21.25	20.75	21.25	20.75	21.25	20.75
LTE Band66	Ant.3	24.00	19.00	18.00	22.00	21.75	22.00	21.75	22.00	21.75
LTE Band38	Ant.0	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00
LTE Band38	Ant.3	24.00	20.00	20.00	21.75	21.50	21.75	21.50	21.75	21.50
LTE Band38	Ant.4	23.00	23.00	23.00	23.00	22.75	23.00	22.75	23.00	22.75
LTE Band41	Ant.0	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50
LTE Band41	Ant.3	24.50	19.75	19.75	22.00	21.50	22.00	21.50	22.00	21.50
LTE Band41	Ant.4	23.00	23.00	23.00	18.75	18.50	18.75	18.50	18.75	18.50
N5	Ant.0	24.20	24.20	24.20	23.95	24.20	23.95	24.20	23.95	24.20
N5	Ant.1	24.20	23.70	22.70	24.20	24.20	24.20	24.20	24.20	24.20
N7	Ant.0	24.20	24.20	24.20	22.95	22.45	22.95	22.45	22.95	22.45
N7	Ant.3	24.20	19.70	18.20	20.95	20.45	20.95	20.45	20.95	20.45
N7	Ant.4	23.20	23.20	23.20	23.20	23.20	23.20	23.20	23.20	23.20
N66	Ant.0	24.20	24.20	24.20	21.45	20.95	21.45	20.95	21.45	20.95
N66	Ant.3	24.20	19.45	18.70	22.45	21.95	22.45	21.95	22.45	21.95
N38	Ant.0	24.20	24.20	24.20	24.20	23.70	24.20	23.70	24.20	23.70
N38	Ant.3	24.20	18.70	17.95	19.95	19.70	19.95	19.70	19.95	19.70
N38	Ant.4	23.20	23.20	23.20	18.95	18.45	18.95	18.45	18.95	18.45
N41	Ant.0	24.20	24.20	24.20	21.20	20.95	21.20	20.95	21.20	20.95
N41	Ant.3	24.20	16.70	18.20	16.45	16.20	16.45	16.20	16.45	16.20
N41	Ant.4	23.20	23.20	23.20	19.20	18.95	19.20	18.95	19.20	18.95

LTE-UL CA Configurations	UL CA	UL CA	Antenna Configurations			
	Band1	Band2	1	2	3	4
CA_7C	LTE Band7	LTE Band7	LTE Ant.0	LTE Ant.3	/	/
CA_38C	LTE Band38	LTE Band38	LTE Ant.0	LTE Ant.3	/	/
CA_41C	LTE Band41	LTE Band41	LTE Ant.0	LTE Ant.3	/	/
CA_2A_4A	LTE Band2	LTE Band4	LTE Ant.0	/	/	/
			LTE Ant.3	/	/	/
CA_2A_7A	LTE Band2	LTE Band7	LTE Ant.0	LTE Ant.0	/	/
			LTE Ant.3	LTE Ant.4	/	/
CA_4A_7A	LTE Band4	LTE Band7	LTE Ant.0	LTE Ant.0	/	/
			LTE Ant.3	LTE Ant.4	/	/

Mode	Band	Antenna	LTE-Inter CA Antenna								
				Receiver on		Receiver off					
				Head		Body-worn		Hotspot		Specific	
			Full Power	WWAN Use Only & WWAN + BT	WWAN + WLAN	WWAN Use Only & WWAN + BT	WWAN + WLAN	WWAN + BT	WWAN + WLAN	WWAN Use Only & WWAN + BT	WWAN + WLAN
			Off	State5	State10	State3	State8	State3	State8	State3	State8
CA_2A+4A	LTE Band2	Ant.0	23.50	23.50	23.50	19.25	18.25	19.25	18.25	19.25	18.25
	LTE Band4	Ant.3	23.50	16.00	15.00	19.25	19.00	19.25	19.00	19.25	19.00
CA_2A+7A	LTE Band2	Ant.0	23.50	23.50	23.50	19.25	18.25	19.25	18.25	19.25	18.25
	LTE Band7	Ant.3	24.20	16.45	15.70	16.95	16.70	16.95	16.70	16.95	16.70
	LTE Band7	Ant.4	23.20	20.20	20.20	16.20	15.70	16.20	15.70	16.20	15.70
CA_4A+7A	LTE Band4	Ant.0	23.50	23.50	23.50	18.25	17.75	18.25	17.75	18.25	17.75
	LTE Band7	Ant.3	24.20	16.45	15.70	16.95	16.70	16.95	16.70	16.95	16.70
	LTE Band7	Ant.4	23.20	20.20	20.20	16.20	15.70	16.20	15.70	16.20	15.70

EN-DC Configurations	E-UTRA	NR	Antenna Configurations				
	Band	Band	1	2	3	4	5
7A+n5A	LTE Band7	n5	LTE Ant.3	LTE Ant.0	LTE Ant.3	/	/
			nr Ant.0	nr Ant.1	nr Ant.1	/	/
66A+n5A	LTE Band66	n5	LTE Ant.3	LTE Ant.0	LTE Ant.3	/	/
			nr Ant.0	nr Ant.1	nr Ant.1	/	/
2A+n7A	LTE Band2	n7	LTE Ant.0	LTE Ant.0	/	/	/
			nr Ant.3	nr Ant.4	/	/	/
4A+n7A	LTE Band4	n7	LTE Ant.0	LTE Ant.0	/	/	/
			nr Ant.3	nr Ant.4	/	/	/
5A+n7A	LTE Band5	n7	LTE Ant.1	LTE Ant.0	LTE Ant.1	LTE Ant.0	LTE Ant.1
			nr Ant.0	nr Ant.3	nr Ant.3	nr Ant.4	nr Ant.4
66A+n7A	LTE Band66	n7	LTE Ant.0	LTE Ant.0	/	/	/
			nr Ant.3	nr Ant.4	/	/	/
2A+n66A	LTE Band2	n66	LTE Ant.0	/	/	/	/
			nr Ant.3	/	/	/	/
5A+n66A	LTE Band5	n66	LTE Ant.0	LTE Ant.1	LTE Ant.1	/	/
			nr Ant.3	nr Ant.3	nr Ant.0	/	/
7A+n66A	LTE Band7	n66	LTE Ant.3	/	/	/	/
			nr Ant.0	/	/	/	/
12A+n66A	LTE Band12	n66	LTE Ant.0	LTE Ant.1	LTE Ant.1	/	/
			nr Ant.3	nr Ant.3	nr Ant.0	/	/
4A+n38A	LTE Band4	n38	LTE Ant.0	LTE Ant.0	/	/	/
			nr Ant.3	nr Ant.4	/	/	/
5A+n38A	LTE Band5	n38	LTE Ant.1	LTE Ant.0	LTE Ant.1	LTE Ant.0	LTE Ant.1
			nr Ant.0	nr Ant.3	nr Ant.3	nr Ant.4	nr Ant.4
66A+n38A	LTE Band66	n38	LTE Ant.0	LTE Ant.0	/	/	/
			nr Ant.3	nr Ant.4	/	/	/
4A+n41A	LTE Band4	n41	LTE Ant.0	LTE Ant.0	/	/	/
			nr Ant.3	nr Ant.4	/	/	/
26A+n41A	LTE Band26	n41	LTE Ant.1	LTE Ant.0	LTE Ant.1	LTE Ant.0	LTE Ant.1
			nr Ant.0	nr Ant.3	nr Ant.3	nr Ant.4	nr Ant.4
66A+n41A	LTE Band66	n41	LTE Ant.0	LTE Ant.0	/	/	/
			nr Ant.3	nr Ant.4	/	/	/

Mode	Band	Antenna	WWAN Antenna								
				Receiver on		Receiver off					
				Head		Body-worn		Hotspot		Specific	
			Full Power	WWAN Use Only & WWAN + BT	WWAN + WLAN	WWAN Use Only & WWAN + BT	WWAN + WLAN	WWAN + BT	WWAN + WLAN	WWAN Use Only & WWAN + BT	WWAN + WLAN

			Off	State5	State10	State3	State8	State3	State8	State3	State8
DC_7A+n5A	LTE Band7	Ant.0	24.20	24.20	24.20	18.95	18.70	18.95	18.70	18.95	18.70
	LTE Band7	Ant.3	24.20	16.45	15.70	16.95	16.70	16.95	16.70	16.95	16.70
	n5	Ant.0	24.20	24.20	24.20	20.95	22.70	20.95	22.70	20.95	22.70
	n5	Ant.1	24.20	23.20	21.20	24.20	23.45	24.20	23.45	24.20	23.45
DC_66A+n5A	LTE Band66	Ant.0	24.00	20.50	19.75	18.25	17.75	18.25	17.75	18.25	17.75
	LTE Band66	Ant.3	24.00	16.00	15.00	19.00	18.75	19.00	18.75	19.00	18.75
	n5	Ant.0	24.20	24.20	24.20	20.95	22.70	20.95	22.70	20.95	22.70
	n5	Ant.1	24.20	23.20	21.20	24.20	23.45	24.20	23.45	24.20	23.45
DC_2A_n7A	LTE Band2	Ant.0	23.50	23.50	23.50	19.25	18.25	19.25	18.25	19.25	18.25
	n7	Ant.3	24.20	15.70	16.20	17.95	17.45	17.95	17.45	17.95	17.45
	n7	Ant.4	23.20	23.20	23.20	23.20	22.70	23.20	22.70	23.20	22.70
DC_4A_n7A	LTE Band4	Ant.0	23.50	23.50	23.50	18.25	17.75	18.25	17.75	18.25	17.75
	n7	Ant.3	24.20	15.70	16.20	17.95	17.45	17.95	17.45	17.95	17.45
	n7	Ant.4	23.20	23.20	23.20	23.20	22.70	23.20	22.70	23.20	22.70
DC_5A_n7A	LTE Band5	Ant.0	24.50	24.50	24.50	24.50	21.50	24.50	21.50	24.50	21.50
	LTE Band5	Ant.1	24.50	22.50	19.50	24.50	21.50	24.50	21.50	24.50	21.50
	n7	Ant.0	24.20	24.20	24.20	19.95	19.45	19.95	19.45	19.95	19.45
	n7	Ant.3	24.20	15.70	16.20	17.95	17.45	17.95	17.45	17.95	17.45
	n7	Ant.4	23.20	23.20	23.20	23.20	22.70	23.20	22.70	23.20	22.70
DC_66A_n7A	LTE Band66	Ant.0	24.00	20.50	19.75	18.25	17.75	18.25	17.75	18.25	17.75
	n7	Ant.3	24.20	15.70	16.20	17.95	17.45	17.95	17.45	17.95	17.45
	n7	Ant.4	23.20	23.20	23.20	23.20	22.70	23.20	22.70	23.20	22.70
DC_2A_n66A	LTE Band2	Ant.0	23.50	23.50	23.50	19.25	18.25	19.25	18.25	19.25	18.25
	n66	Ant.3	24.20	16.45	16.20	20.45	18.95	20.45	18.95	20.45	18.95
DC_5A_n66A	LTE Band5	Ant.0	24.50	24.50	24.50	24.50	21.50	24.50	21.50	24.50	21.50
	LTE Band5	Ant.1	24.50	22.50	19.50	24.50	21.50	24.50	21.50	24.50	21.50
	n66	Ant.0	24.20	24.20	24.20	18.45	17.95	18.45	17.95	18.45	17.95
	n66	Ant.3	24.20	16.45	16.20	20.45	18.95	20.45	18.95	20.45	18.95
DC_7A_n66A	LTE Band7	Ant.3	23.00	15.25	14.50	15.75	15.50	15.75	15.50	15.75	15.50
	n66	Ant.0	24.20	24.20	24.20	18.45	17.95	18.45	17.95	18.45	17.95
DC_12A_n66A	LTE Band12	Ant.0	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50
	LTE Band12	Ant.1	24.50	24.50	23.00	24.50	24.00	24.50	24.00	24.50	24.00
	n66	Ant.0	24.20	24.20	24.20	18.45	17.95	18.45	17.95	18.45	17.95
	n66	Ant.3	24.20	16.45	16.20	20.45	18.95	20.45	18.95	20.45	18.95
DC_4A_n38A	LTE Band4	Ant.0	23.50	23.50	23.50	18.25	17.75	18.25	17.75	18.25	17.75
	n38	Ant.3	24.20	15.20	15.45	16.95	16.70	16.95	16.70	16.95	16.70
	n38	Ant.4	23.20	23.20	23.20	15.95	15.45	15.95	15.45	15.95	15.45
DC_5A_n38A	LTE Band5	Ant.0	24.50	24.50	24.50	24.50	21.50	24.50	21.50	24.50	21.50
	LTE Band5	Ant.1	24.50	22.50	19.50	24.50	21.50	24.50	21.50	24.50	21.50
	n38	Ant.0	24.20	24.20	24.20	22.45	20.70	22.45	20.70	22.45	20.70
	n38	Ant.3	24.20	15.20	15.45	16.95	16.70	16.95	16.70	16.95	16.70
	n38	Ant.4	23.20	23.20	23.20	15.95	15.45	15.95	15.45	15.95	15.45

DC_66A_n38A	LTE Band66	Ant.0	24.00	20.50	19.75	18.25	17.75	18.25	17.75	18.25	17.75
	n38	Ant.3	24.20	15.20	15.45	16.95	16.70	16.95	16.70	16.95	16.70
	n38	Ant.4	23.20	23.20	23.20	15.95	15.45	15.95	15.45	15.95	15.45
DC_4A_n41A	LTE Band4	Ant.0	23.50	23.50	23.50	18.25	17.75	18.25	17.75	18.25	17.75
	n41	Ant.3	24.20	13.95	16.20	14.95	13.20	14.95	13.20	14.95	13.20
	n41	Ant.4	23.20	23.20	23.20	17.70	15.95	17.70	15.95	17.70	15.95
DC_26A_n41A	LTE Band26	Ant.0	24.00	24.00	24.00	24.00	23.75	24.00	23.75	24.00	23.75
	LTE Band26	Ant.1	24.00	22.50	20.00	23.75	22.50	23.75	22.50	23.75	22.50
	n41	Ant.0	24.20	24.20	24.20	19.70	17.95	19.70	17.95	19.70	17.95
	n41	Ant.3	24.20	13.95	16.20	14.95	13.20	14.95	13.20	14.95	13.20
	n41	Ant.4	23.20	23.20	23.20	17.70	15.95	17.70	15.95	17.70	15.95
DC_66A_n41A	LTE Band66	Ant.0	24.00	20.50	19.75	18.25	17.75	18.25	17.75	18.25	17.75
	n41	Ant.3	24.20	13.95	16.20	14.95	13.20	14.95	13.20	14.95	13.20
	n41	Ant.4	23.20	23.20	23.20	17.70	15.95	17.70	15.95	17.70	15.95

WLAN Reduced power level table

Reduced level	Receiver state	Transmitting conditions	Antenna	Position
Level 1	On (head scenario)	2.4G/5G WIFI	Ant.8/Ant.9	Head
Level 2	On (head scenario)	5G WIFI+BT	Ant.8	Head
Level 3	On (head scenario)	2.4G/5G WIFI+WWAN	Ant.8/Ant.9	Head
Level 4	On (head scenario)	5G WIFI+BT+WWAN	Ant.8	Head
Level 5	Off (Body scenario)	2.4G/5G WIFI	Ant.8/Ant.9	Front Side; Back Side; Left Edge; Right Edge; Top Edge; Bottom Edge
Level 6	Off (Body scenario)	5G WIFI+BT	Ant.8	Front Side; Back Side; Left Edge; Right Edge; Top Edge; Bottom Edge
Level 7	Off (Body scenario)	2.4G/5G WIFI+WWAN	Ant.8/Ant.9	Front Side; Back Side; Left Edge; Right Edge; Top Edge; Bottom Edge
Level 8	Off (Body scenario)	5G WIFI+BT+WWAN	Ant.8	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		
			5G WIFI +BT	2.4G/5G WIFI+WWAN	5G WIFI+ BT+WWAN		5G WIFI+BT	2.4G/5G WIFI+WWAN	5G WIFI+BT+ WWAN	5G WIFI+BT	2.4G/5G WIFI+ WWAN	5G WIFI+BT+ WWAN		5G WIFI+BT	2.4G/5G WIFI+WWAN	5G WIFI+BT+ WWAN
	Off	Level1	Level2	Level3	Level4	Level5	Level6	Level7	Level8	Level6	Level7	Level8	Level5	Level6	Level7	Level8
2.4G WLAN 802.11b	16.50	16.50	/	16.00	/	16.50	/	16.50	/	/	16.50	/	16.50	/	16.50	/
2.4G WLAN 802.11g	19.00	19.00	/	16.00	/	19.00	/	19.00	/	/	19.00	/	19.00	/	19.00	/
2.4G WLAN 802.11n20	19.00	19.00	/	16.00	/	19.00	/	19.00	/	/	19.00	/	19.00	/	19.00	/
2.4G WLAN 802.11n40	19.00	19.00	/	16.00	/	19.00	/	19.00	/	/	19.00	/	19.00	/	19.00	/
2.4G WLAN 802.11ac20	19.00	19.00	/	16.00	/	19.00	/	19.00	/	/	19.00	/	19.00	/	19.00	/

2.4G WLAN 802.11ac40	19.00	19.00	/	16.00	/	19.00	/	19.00	/	/	19.00	/	19.00	/	19.00	/
5.2G WLAN 802.11a	18.50	14.00	14.00	10.50	10.50	16.00	16.00	13.00	13.00	16.00	13.00	13.00	16.00	16.00	13.00	13.00
5.2G WLAN 802.11n20	19.50	14.00	14.00	10.50	10.50	16.00	16.00	13.00	13.00	16.00	13.00	13.00	16.00	16.00	13.00	13.00
5.2G WLAN 802.11n40	19.50	14.00	14.00	10.50	10.50	16.00	16.00	13.00	13.00	16.00	13.00	13.00	16.00	16.00	13.00	13.00
5.2G WLAN 802.11ac20	19.50	14.00	14.00	10.50	10.50	16.00	16.00	13.00	13.00	16.00	13.00	13.00	16.00	16.00	13.00	13.00
5.2G WLAN 802.11ac40	17.50	14.00	14.00	10.50	10.50	16.00	16.00	13.00	13.00	16.00	13.00	13.00	16.00	16.00	13.00	13.00
5.2G WLAN 802.11ac80	14.50	14.00	14.00	10.50	10.50	14.50	14.50	13.00	13.00	14.50	13.00	13.00	14.50	14.50	13.00	13.00
5.3G WLAN 802.11a	19.50	14.00	14.00	10.50	10.50	16.00	16.00	13.00	13.00	16.00	13.00	13.00	16.00	16.00	13.00	13.00
5.3G WLAN 802.11n20	19.50	14.00	14.00	10.50	10.50	16.00	16.00	13.00	13.00	16.00	13.00	13.00	16.00	16.00	13.00	13.00
5.3G WLAN 802.11n40	19.50	14.00	14.00	10.50	10.50	16.00	16.00	13.00	13.00	16.00	13.00	13.00	16.00	16.00	13.00	13.00
5.3G WLAN 802.11ac20	19.50	14.00	14.00	10.50	10.50	16.00	16.00	13.00	13.00	16.00	13.00	13.00	16.00	16.00	13.00	13.00
5.3G WLAN 802.11ac40	19.50	14.00	14.00	10.50	10.50	16.00	16.00	13.00	13.00	16.00	13.00	13.00	16.00	16.00	13.00	13.00
5.3G WLAN 802.11ac80	14.00	14.00	14.00	10.50	10.50	14.00	14.00	13.00	13.00	14.00	13.00	13.00	14.00	14.00	13.00	13.00
5.6G WLAN 802.11a	19.50	13.00	13.00	10.00	10.00	16.00	16.00	13.00	13.00	16.00	13.00	13.00	16.00	16.00	13.00	13.00
5.6G WLAN 802.11n20	19.50	13.00	13.00	10.00	10.00	16.00	16.00	13.00	13.00	16.00	13.00	13.00	16.00	16.00	13.00	13.00
5.6G WLAN 802.11n40	19.50	13.00	13.00	10.00	10.00	16.00	16.00	13.00	13.00	16.00	13.00	13.00	16.00	16.00	13.00	13.00
5.6G WLAN 802.11ac20	19.50	13.00	13.00	10.00	10.00	16.00	16.00	13.00	13.00	16.00	13.00	13.00	16.00	16.00	13.00	13.00
5.6G WLAN 802.11ac40	19.50	13.00	13.00	10.00	10.00	16.00	16.00	13.00	13.00	16.00	13.00	13.00	16.00	16.00	13.00	13.00
5.6G WLAN 802.11ac80	15.50	13.00	13.00	10.00	10.00	16.00	16.00	13.00	13.00	16.00	13.00	13.00	16.00	16.00	13.00	13.00
5.8G WLAN 802.11a	19.50	13.50	13.50	10.50	10.50	17.00	17.00	14.00	14.00	17.00	14.00	14.00	17.00	17.00	14.00	14.00
5.8G WLAN 802.11n20	19.50	13.50	13.50	10.50	10.50	17.00	17.00	14.00	14.00	17.00	14.00	14.00	17.00	17.00	14.00	14.00
5.8G WLAN 802.11n40	19.50	13.50	13.50	10.50	10.50	17.00	17.00	14.00	14.00	17.00	14.00	14.00	17.00	17.00	14.00	14.00

5.8G WLAN 802.11ac20	19.50	13.50	13.50	10.50	10.50	17.00	17.00	14.00	14.00	17.00	14.00	14.00	17.00	17.00	14.00	14.00
5.8G WLAN 802.11ac40	19.50	13.50	13.50	10.50	10.50	17.00	17.00	14.00	14.00	17.00	14.00	14.00	17.00	17.00	14.00	14.00
5.8G WLAN 802.11ac80	19.50	13.50	13.50	10.50	10.50	17.00	17.00	14.00	14.00	17.00	14.00	14.00	17.00	17.00	14.00	14.00
Bluetooth	17.00	17.00	17.00	/	17.00	17.00	17.00	/	17.00	17.00	/	17.00	17.00	17.00	/	17.00

9 UL duty cycle detection mechanism specification (DC SAR)

9.1 General description of UL duty cycle detection mechanism

We have a mobile phone device supporting the UL duty cycle detection mechanism for LTE TDD & NR5G (including FR1 SA and FR1 ENDC), the rest RAT will not apply. The main purpose is to distinguish duty cycle of UL symbol and apply the relevant power levels accordingly. The main purpose is to provide enhanced user experience while meeting the SAR compliance for transmission scheduling.

Table 1: Summary of UL duty cycle detection mechanism (Note 1)

UL duty cycle	P_{cmax}
k1%	P_{max} – Max(P_{SAR} - P_{offset}@k1, 0)
k2%	P_{max} – Max(P_{SAR} - P_{offset}@k2, 0)
…	…
kn% (max UL duty cycle)	P_{max} – Max(P_{SAR} - P_{offset}@kn, 0)

Note 1 (See note 4 for more information):

UL duty cycle: Uplink duty cycle.

P_{cmax}: Power level for each UL duty cycle.

P_{max}: Max power level.

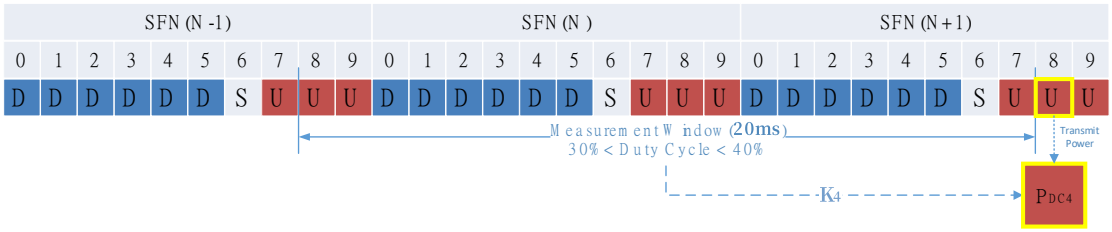
P_{SAR}: A pre-defined value which is used to derive the P_{cmax} to ensure time-average power level to associates with SAR compliance

P_{offset}: The theoretical value of power offset calculated according to the duty cycle K parameter, equals to -[10*log(TX duty cycle)]

The Radio Communication Tester measures peak and average output power for active the symbols. For SAR the timebased average power(P_{cmax} frame-average) is relevant. The difference in between depends on the duty cycle of the symbols.

9.2 UL duty cycle detection mechanism clarifications

UL duty cycle detection mechanism, based on MTK platform. There is sliding windows moving by one slot and real-time caculate the percentage of the symbols with transmit, then apply the relevant power levels accordingly.



The software of the device has standalone module (Note 2) to monitor the UL scheduling with sliding windows and caculate the current transmission percentage k, and apply the relevant power levels accordingly on next UL slot.

Note 2: This standalone module only monitor LTE TDD & NR5G (including FR1 SA and FR1 ENDC), the rest RAT will not apply.

The device offers max to 9 sets power offset NVs for each NR5G band, and 6 sets power offset NVs for each LTE TDD band. These NVs offer addtion power offset for all LTE TDD/NR bands. When certain set NVs works, P_{cmax} will caculate with below funtion:

$P_{cmax} = P_{max} – Max(P_{SAR} - P_{offset}@kn, 0)$ (Note 3)

Note 3 (See note 4 for more information):

P_{cmax}: Power level for each UL duty cycle.

P_{max}: Max power level.

P_{SAR}: A pre-defined value which is used to derive the P_{cmax} to ensure time-average power level to associates with SAR compliance

P_{offset}: The theoretical value of power offset calculated according to the duty cycle K parameter, equals to -[10*log(TX duty cycle)]

More details information followings:

Table 2: NR5G bands (Note 4)

(1#) UL duty cycle	(2#) Max UL duty cycle	(3#) Max UL duty cycle factor	(4#) P_{offset}	(7#) P_{cmax} (dBm)	(8#) P_{cmax} frame-average(dBm)
0%≤ K1 ≤10%	10%	-10.00	10.00	24.20	14.20
10%< K2 ≤20%	20%	-6.99	6.50	23.20	16.21
20%< K3≤ 30%	30%	-5.23	5.00	21.70	16.47
30%< K4 ≤40%	40%	-3.98	3.50	20.20	16.22
40%< K5 ≤50%	50%	-3.01	3.00	19.70	16.69
50%< K6 ≤60%	60%	-2.22	2.00	18.70	16.48
60%< K7 ≤70%	70%	-1.55	1.50	18.20	16.65
70%< K8 ≤80%	80%	-0.97	0.50	17.20	16.23
80% <K9 ≤100%	100%	0.00	0.00	16.70	16.70
(5#)P_{max} = 24.20 (dBm), (6#)P_{SAR} = 7.50 (dB)					

Note 4:

(1#)UL duty cycle: The device offers 9 sets UL duty cycle for each NR5G band. determined by UL symbol numbers percentage during dedicated period, 5G NR UL duty cycle range from 0% to 100%, is an invariant parameter.

(2#)Max UL duty cycle: Maximum duty cycle for each UL duty cycle interval sets, is an invariant parameter. This is a conservative approach

(3#)Max UL duty cycle factor= 10*log(Max UL duty cycle).

(4#)P_{offset} = The theoretical value of power offset calculated according to the maximum duty cycle K parameter, is an invariant parameter. The 5G NR values are shown in Table 2, and the 4G LTE TDD values are shown in Table 3.

(5#)P_{max} : Max power level, the maximum power value of each band is different, defined by factory.

(6#)P_{SAR}: Actual max power offset, the max power offset of each band is different, defined by factory. The value of P_{SAR} is affected by the SAR value of the maximum UL duty cycle configuration(5G NR is 100%, LTE TDD is 63.3%). For example, the SAR of the UE meets the standard requirements under the maximum UL duty cycle and the highest power (P_{max}- 0) configuration, and P_{SAR} = 0dB; the SAR of the UE meets the standard requirements under the maximum UL duty cycle and the highest power (P_{max}- 4) configuration, and P_{SAR} = 4dB.

(7#)P_{cmax}: Power level for each UL duty cycle, the power level of each band is different, $P_{cmax} = P_{max} - Max(P_{SAR} - P_{offset}@kn, 0)$, the larger UL duty cycle, the lower power level; the smaller UL duty cycle, the higher power level, but will not greater than the full power of UE.

(8#) P_{cmax} frame-average: P_{cmax} frame-average = (7#)Pcmax + (3#)Max UL duty cycle factor, SAR test reduction for 9 sets (1#)UL duty cycle is determined by the source-based time-averaged output power specified for production units, including tune-up tolerance. The highest specified time-averaged output power should be tested for SAR compliance in the applicable exposure conditions.

For 5G NR test, using factory test mode to perform SAR with the highest Pcmax frame-average configuration, and UL duty cycle =100%.

Table 3: LTE TDD bands (Note 5)

UL duty cycle	Max UL duty cycle	Max UL duty cycle factor	P_{offset}	P_{cmax} (dBm)	P_{cmax} frame-average (dBm)
0%< K1 ≤20%	11.7%	-9.32	5.00	24.00	14.68
20%< K2≤ 30%	23.3%	-6.33	3.50	24.00	17.17
30%< K3 ≤40%	31.7%	-4.99	2.00	23.50	17.01
40%< K4 ≤50%	43.3%	-3.64	1.50	23.00	17.86
50%< K5 ≤60%	53.3%	-2.73	0.50	22.00	17.77
60%< K6 ≤63.3%	63.3%	-1.99	0.00	21.50	18.01
P_{max} = 24.00 (dBm), P_{SAR} = 4.00 (dB)					

Note 5:

UL duty cycle: The maximum uplink duty cycle of LTE TDD is 63.3%.

TDD LTE Band supports 3GPP TS 36.211 section 4.2 for Type 2 Frame Structure and Table 4.2-2 for uplink-downlink configurations and Table 4.2-1 for Special subframe configurations.

Figure 4.2-1: Frame structure type 2

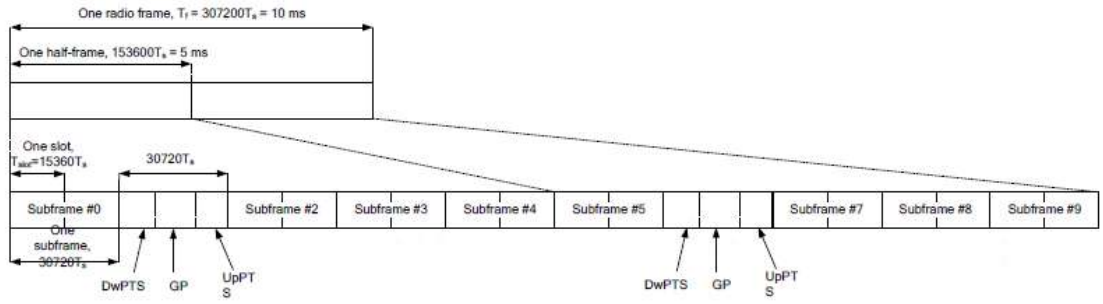


Table 4.2-1: Configuration of special subframe (lengths of DwPTS/GP/UpPTS)

Special subframe configuration	Normal cyclic prefix in downlink			Extended cyclic prefix in downlink		
	DwPTS	UpPTS		DwPTS	UpPTS	
		Normal cyclic prefix in uplink	Extended cyclic prefix in uplink		Normal cyclic prefix in uplink	Extended cyclic prefix in uplink
0	$6592 \cdot T_s$	$(1+X) \cdot 2192 \cdot T_s$	$(1+X) \cdot 2560 \cdot T_s$	$7680 \cdot T_s$	$(1+X) \cdot 2192 \cdot T_s$	$(1+X) \cdot 2560 \cdot T_s$
1	$19760 \cdot T_s$			$20480 \cdot T_s$		
2	$21952 \cdot T_s$			$23040 \cdot T_s$		
3	$24144 \cdot T_s$			$25600 \cdot T_s$		
4	$26336 \cdot T_s$			$7680 \cdot T_s$	$(2+X) \cdot 2192 \cdot T_s$	$(2+X) \cdot 2560 \cdot T_s$
5	$6592 \cdot T_s$	$(2+X) \cdot 2192 \cdot T_s$	$(2+X) \cdot 2560 \cdot T_s$	$20480 \cdot T_s$		
6	$19760 \cdot T_s$			$23040 \cdot T_s$		
7	$21952 \cdot T_s$			$12800 \cdot T_s$		
8	$24144 \cdot T_s$			-	-	-
9	$13168 \cdot T_s$			-	-	-
10	$13168 \cdot T_s$	$13152 \cdot T_s$	$12800 \cdot T_s$	-	-	-

Table 4.2-2: Uplink-downlink configurations

Configuration	Periodicity	Subframe number									
		0	1	2	3	4	5	6	7	8	9
0	5 ms	D	S	U	U	U	D	S	U	U	U
1	5 ms	D	S	U	U	D	D	S	U	U	D
2	5 ms	D	S	U	D	D	D	S	U	D	D
3	10 ms	D	S	U	U	U	D	D	D	D	D
4	10 ms	D	S	U	U	D	D	D	D	D	D
5	10 ms	D	S	U	D	D	D	D	D	D	D
6	5 ms	D	S	U	U	U	D	S	U	U	D

According to Figure 4.2-1, one radio frame is configured by 10 subframes, which consist of Uplink-subframe, Downlink-subframe and Special subframe. For TDD-LTE, the Duty Cycle should be calculated on Uplink-subframes and Special subframes, due to Special subframe containing both Uplink transmissions. So for one radio frame, Duty Cycle can be calculated with formula as below. The count of Uplink subframes are according to Table 4.2-2:

Duty cycle = (30720Ts*Ups+Uplink Component*Specials)/ (307200Ts)

About the uplink component of Special subframes, we can figure out by Table 4.2-1:

Uplink Component=UpPTS

In conclusion, for the TDD LTE Band, Duty Cycle can be calculated with formula as below all these sets are ok when we test, or we can set as below.

Duty cycle = [(30720Ts*Ups) + UpPTS *Specials]/ (307200Ts)

And we can get different Duty cycles under different configurations:

Uplink-Downlink configuration	Subframe number			Configuration of special subframe							
				Normal cyclice prefix in downlink				Extended cyclice prefix in downlink			
				Normal cyclice prefix in uplink		Extended cyclice prefix in uplink		Normal cyclice prefix in uplink		Extended cyclice prefix in uplink	
	D	S	U	configuration 0~4	configuration 5~9	configuration 0~4	configuration 5~9	configuration 0~3	configuration 4~7	configuration 0~3	configuration 4~7
0	2	2	6	61.43%	62.85%	61.67%	**63.33%**	61.43%	62.85%	61.67%	**63.33%**
1	4	2	4	41.43%	42.85%	41.67%	43.33%	41.43%	42.85%	41.67%	43.33%
2	6	2	2	21.43%	22.85%	21.67%	23.33%	21.43%	22.85%	21.67%	23.33%
3	6	1	3	30.71%	31.43%	30.83%	31.67%	30.71%	31.43%	30.83%	31.67%
4	7	1	2	20.71%	21.43%	20.83%	21.67%	20.71%	21.43%	20.83%	21.67%
5	8	1	1	10.71%	11.43%	10.83%	11.67%	10.71%	11.43%	10.83%	11.67%
6	3	2	5	51.43%	52.85%	51.67%	53.33%	51.43%	52.85%	51.67%	53.33%

For LTE TDD test, power class using uplink-downlink configuration 0 and special subframe configuration 7 for frome structure type to perform SAR with the highest Pcmax frame-average configuration, and UL duty cycle =63.3%.

9.3 SAR test Plan

For each band, the SAR evaluation uses the highest P_{cmax} frame-average configuration.

(1) For 5G NR test, using factory test mode to perform SAR with the highest P_{cmax} frame-average configuration, and UL duty cycle =100%.

(2) For LTE TDD test, power class using uplink-downlink configuration 0 and special subframe configuration 7 for frame structure type to perform SAR with the highest P_{cmax} frame-average configuration, and UL duty cycle =63.3%.

9.4 Conducted Power

Please refer the document “BL-SZ2520926-AD Power List.pdf”

10 TEST EXCLUSION CONSIDERATION

For antenna location and support bands please refer the document “BL-SZ2520926-AI EUT internal photo.pdf”.

Antenna	Description	Support Bands
Antenna 0	2/3/4/5G TX Antenna	GSM 850/1900 WCDMA Band 2/4/5 LTE Band 2/4/5/7/12/13/17/26/66/38/41 NR n5/7/66/38/41
Antenna 1	2/3/4/5G TX Antenna	GSM 850 WCDMA Band 5 LTE Band 5/12/13/17/26 NR n5
Antenna 3	2/3/4/5G TX Antenna	GSM 1900 WCDMA Band 2/4 LTE Band 2/4/7/66/38/41 NR n7/66/38/41
Antenna 4	4/5G TX Antenna	LTE Band 7/38/41 NR n7/38/41
Antenna 8	WLAN 5G TX Antenna	5G WLAN
Antenna 9	WLAN 2.4G TX Antenna Bluetooth TX Antenna	2.4G WLAN Bluetooth

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.3	<25	<25	>25	<25	<25	>25
Ant.4	<25	<25	>25	<25	<25	>25
Ant.8	<25	<25	<25	>25	<25	>25
Ant.9	<25	<25	<25	>25	<25	>25

Note: 1.Per KDB 941225 D06,When the overall length and width of a device is > 9 cm *5 cm, a test separation distance of 10 mm is required for hotspot mode SAR measurements and hotspot mode SAR is measured for all edges and surfaces of the device with a transmitting antenna located within 25 mm from that surface or edge.

11 TEST RESULT

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

11.1 GSM 850

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1 g Meas SAR(W/kg)	Meas. Power(dBm)	Max. tune-power(dBm)	Scaling Factor	1 g Scaled SAR (W/kg)	Meas. No.
Head													
Ant.1	State5	DATA 2slots	Left Cheek	0	251	848.8	-0.01	0.808	27.71	29.00	1.346	**1.088**	1#
	State5		Left Tilt	0	251	848.8	0.14	0.078	27.71	29.00	1.346	0.105	/
	State5		Right Cheek	0	251	848.8	-0.03	0.330	27.71	29.00	1.346	0.444	/
	State5		Right Tilt	0	251	848.8	0.16	0.065	27.71	29.00	1.346	0.087	/
	State5		Left Cheek	0	128	824.2	0.14	0.672	27.68	29.00	1.355	0.911	/
	State5		Left Cheek	0	190	836.6	0.01	0.696	27.56	29.00	1.393	0.970	/
Ant.1	State10	DATA 2slots	Left Cheek	0	251	848.8	-0.05	0.587	26.69	28.00	1.352	0.794	/
	State10		Left Tilt	0	251	848.8	-0.03	0.062	26.69	28.00	1.352	0.084	/
	State10		Right Cheek	0	251	848.8	-0.15	0.262	26.69	28.00	1.352	0.354	/
	State10		Right Tilt	0	251	848.8	-0.13	0.052	26.69	28.00	1.352	0.070	/
	State10		Left Cheek	0	128	824.2	0.15	0.545	26.65	28.00	1.365	0.744	/
	State10		Left Cheek	0	190	836.6	0.11	0.558	26.58	28.00	1.387	0.774	/
Ant.0	State5&10	DATA 2slots	Left Cheek	0	251	848.8	-0.07	0.085	30.16	31.00	1.213	0.103	/
	State5&10		Left Tilt	0	251	848.8	0.07	0.036	30.16	31.00	1.213	0.044	/
	State5&10		Right Cheek	0	251	848.8	0.07	0.068	30.16	31.00	1.213	0.082	/
	State5&10		Right Tilt	0	251	848.8	-0.11	0.012	30.16	31.00	1.213	0.015	/
Body-worn													
Ant.1	State3&8	DATA 2slots	Front Side	15	251	848.8	-0.12	0.263	29.61	31.00	1.377	0.362	/
	State3&8		Back Side	15	251	848.8	-0.04	0.374	29.61	31.00	1.377	**0.515**	2#
Ant.0	State3&8	DATA 2slots	Front Side	15	251	848.8	0.06	0.129	30.16	31.00	1.213	0.156	/
	State3&8		Back Side	15	251	848.8	-0.06	0.122	30.16	31.00	1.213	0.148	/
Hotspot													
Ant.1	State3&8	DATA 2slots	Front Side	10	251	848.8	0.10	0.385	29.61	31.00	1.377	0.530	/
	State3&8		Back Side	10	251	848.8	-0.13	0.493	29.61	31.00	1.377	0.679	/
	State3&8		Right Edge	10	251	848.8	-0.04	0.840	29.61	31.00	1.377	**1.157**	3#
	State3&8		Right Edge	10	128	824.2	0.16	0.613	29.60	31.00	1.380	0.846	/
	State3&8		Right Edge	10	190	836.6	-0.11	0.722	29.56	31.00	1.393	1.006	/
Ant.0	State3&8	DATA 2slots	Front Side	10	251	848.8	0.11	0.161	30.16	31.00	1.213	0.195	/
	State3&8		Back Side	10	251	848.8	0.02	0.181	30.16	31.00	1.213	0.220	/
	State3&8		Left Edge	10	251	848.8	-0.09	0.093	30.16	31.00	1.213	0.113	/
	State3&8		Right Edge	10	251	848.8	-0.12	0.107	30.16	31.00	1.213	0.130	/
	State3&8		Bottom Edge	10	251	848.8	0.15	0.206	30.16	31.00	1.213	0.250	/

11.2 GSM 1900

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1 g Meas SAR(W/kg)	Meas. Power(dBm)	Max. tune-power(dBm)	Scaling Factor	1 g Scaled SAR (W/kg)	Meas. No.
Head													
Ant.3	State5	DATA 3slots	Left Cheek	0	661	1880	0.02	0.423	22.09	23.25	1.306	0.552	/
	State5		Left Tilt	0	661	1880	-0.08	0.486	22.09	23.25	1.306	0.635	/
	State5		Right Cheek	0	661	1880	0.02	0.821	22.09	23.25	1.306	**1.072**	4#
	State5		Right Tilt	0	661	1880	-0.07	0.761	22.09	23.25	1.306	0.994	/
	State5		Right Cheek	0	512	1850.2	0.05	0.795	22.04	23.25	1.321	1.050	/
	State5		Right Cheek	0	810	1909.8	-0.16	0.783	22.03	23.25	1.324	1.037	/
	State5		Right Tilt	0	512	1850.2	-0.14	0.730	22.04	23.25	1.321	0.964	/
	State5		Right Tilt	0	810	1909.8	0.00	0.718	22.03	23.25	1.324	0.951	/
Ant.3	State10	DATA 3slots	Left Cheek	0	661	1880	0.11	0.338	21.43	22.25	1.208	0.408	/
	State10		Left Tilt	0	661	1880	0.02	0.389	21.43	22.25	1.208	0.470	/
	State10		Right Cheek	0	661	1880	0.01	0.654	21.43	22.25	1.208	0.790	/
	State10		Right Tilt	0	661	1880	-0.11	0.602	21.43	22.25	1.208	0.727	/
Ant.0	State5&10	DATA 3slots	Left Cheek	0	661	1880	0.03	0.112	25.48	26.50	1.265	0.142	/
	State5&10		Left Tilt	0	661	1880	-0.04	0.056	25.48	26.50	1.265	0.071	/
	State5&10		Right Cheek	0	661	1880	0.11	0.078	25.48	26.50	1.265	0.099	/
	State5&10		Right Tilt	0	661	1880	0.02	0.042	25.48	26.50	1.265	0.053	/
Body-worn													
Ant.3	State3&8	DATA 3slots	Front Side	15	512	1850.2	0.16	0.164	25.40	26.50	1.288	0.211	/
	State3&8		Back Side	15	512	1850.2	-0.08	0.132	25.40	26.50	1.288	0.170	/
Ant.0	State3&8	DATA 3slots	Front Side	15	661	1880	-0.04	0.135	25.48	26.50	1.265	0.171	/
	State3&8		Back Side	15	661	1880	0.01	0.171	25.48	26.50	1.265	**0.216**	5#
Hotspot													
Ant.3	State3&8	DATA 3slots	Front Side	10	512	1850.2	-0.06	0.305	25.40	26.50	1.288	0.393	/
	State3&8		Back Side	10	512	1850.2	0.09	0.293	25.40	26.50	1.288	0.377	/
	State3&8		Right Edge	10	512	1850.2	-0.14	0.128	25.40	26.50	1.288	0.165	/
	State3&8		Top Edge	10	512	1850.2	0.12	0.448	25.40	26.50	1.288	0.577	/
Ant.0	State3&8	DATA 3slots	Front Side	10	661	1880	-0.06	0.198	25.48	26.50	1.265	0.250	/
	State3&8		Back Side	10	661	1880	-0.09	0.306	25.48	26.50	1.265	0.387	/
	State3&8		Left Edge	10	661	1880	0.03	0.111	25.48	26.50	1.265	0.140	/
	State3&8		Right Edge	10	661	1880	0.09	0.052	25.48	26.50	1.265	0.066	/
	State3&8		Bottom Edge	10	661	1880	0.03	0.498	25.48	26.50	1.265	**0.630**	6#

11.3WCDMA Band 2

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1 g Meas SAR(W/kg)	Meas. Power(dBm)	Max. tune-power(dBm)	Scaling Factor	1 g Scaled SAR (W/kg)	Meas. No.
Head													
Ant.3	State5	RMC	Left Cheek	0	9538	1907.6	-0.06	0.511	18.33	19.00	1.167	0.596	/
	State5		Left Tilt	0	9538	1907.6	0.00	0.574	18.33	19.00	1.167	0.670	/
	State5		Right Cheek	0	9538	1907.6	0.00	0.989	18.33	19.00	1.167	**1.154**	7#
	State5		Right Tilt	0	9538	1907.6	0.10	0.915	18.33	19.00	1.167	1.068	/
	State5		Right Cheek	0	9262	1852.4	0.15	0.859	18.10	19.00	1.230	1.057	/
	State5		Right Cheek	0	9400	1880	-0.11	0.932	18.13	19.00	1.222	1.139	/
	State5		Right Tilt	0	9262	1852.4	0.03	0.778	18.10	19.00	1.230	0.957	/
	State5		Right Tilt	0	9400	1880	0.12	0.835	18.13	19.00	1.222	1.020	/
Ant.3	State10	RMC	Left Cheek	0	9538	1907.6	0.00	0.432	17.57	18.25	1.169	0.505	/
	State10		Left Tilt	0	9538	1907.6	0.11	0.493	17.57	18.25	1.169	0.576	/
	State10		Right Cheek	0	9538	1907.6	0.00	0.850	17.57	18.25	1.169	0.994	/
	State10		Right Tilt	0	9538	1907.6	0.09	0.802	17.57	18.25	1.169	0.938	/
	State10		Right Cheek	0	9262	1852.4	0.02	0.789	17.41	18.25	1.213	0.957	/
	State10		Right Cheek	0	9400	1880	-0.03	0.803	17.36	18.25	1.227	0.985	/
	State10		Right Tilt	0	9262	1852.4	-0.14	0.725	17.41	18.25	1.213	0.879	/
	State10		Right Tilt	0	9400	1880	0.05	0.760	17.36	18.25	1.227	0.933	/
Ant.0	State5&10	RMC	Left Cheek	0	9538	1907.6	-0.16	0.105	23.51	24.00	1.119	0.117	/
	State5&10		Left Tilt	0	9538	1907.6	-0.12	0.042	23.51	24.00	1.119	0.047	/
	State5&10		Right Cheek	0	9538	1907.6	-0.15	0.070	23.51	24.00	1.119	0.078	/
	State5&10		Right Tilt	0	9538	1907.6	0.03	0.040	23.51	24.00	1.119	0.045	/
Body-worn													
Ant.3	State3	RMC	Front Side	15	9538	1907.6	-0.13	0.130	20.64	21.25	1.151	0.150	/
	State3		Back Side	15	9538	1907.6	0.14	0.149	20.64	21.25	1.151	0.171	/
Ant.3	State8	RMC	Front Side	15	9538	1907.6	0.11	0.122	20.37	21.00	1.156	0.141	/
	State8		Back Side	15	9538	1907.6	-0.12	0.140	20.37	21.00	1.156	0.162	/
Ant.0	State3	RMC	Front Side	15	9538	1907.6	0.14	0.148	21.26	21.75	1.119	0.166	/
	State3		Back Side	15	9538	1907.6	0.01	0.192	21.26	21.75	1.119	**0.215**	8#
Ant.0	State8	RMC	Front Side	15	9538	1907.6	-0.08	0.117	19.90	21.00	1.288	0.151	/
	State8		Back Side	15	9538	1907.6	0.06	0.142	19.90	21.00	1.288	0.183	/
Hotspot													
Ant.3	State3	RMC	Front Side	10	9538	1907.6	0.02	0.235	20.64	21.25	1.151	0.270	/
	State3		Back Side	10	9538	1907.6	0.12	0.165	20.64	21.25	1.151	0.190	/
	State3		Right Edge	10	9538	1907.6	-0.12	0.095	20.64	21.25	1.151	0.109	/
	State3		Top Edge	10	9538	1907.6	-0.03	0.396	20.64	21.25	1.151	0.456	/
Ant.3	State8	RMC	Front Side	10	9400	1880	0.05	0.221	20.37	21.00	1.156	0.255	/
	State8		Back Side	10	9400	1880	0.02	0.152	20.37	21.00	1.156	0.176	/

	State8		Right Edge	10	9400	1880	0.12	0.091	20.37	21.00	1.156	0.105	/
	State8		Top Edge	10	9400	1880	-0.04	0.354	20.37	21.00	1.156	0.409	/
Ant.0	State3	RMC	Front Side	10	9538	1907.6	-0.15	0.167	21.26	21.75	1.119	0.187	/
	State3		Back Side	10	9538	1907.6	-0.06	0.244	21.26	21.75	1.119	0.273	/
	State3		Left Edge	10	9538	1907.6	-0.10	0.093	21.26	21.75	1.119	0.104	/
	State3		Right Edge	10	9538	1907.6	-0.01	0.033	21.26	21.75	1.119	0.037	/
	State3		Bottom Edge	10	9538	1907.6	-0.03	0.565	21.26	21.75	1.119	**0.632**	9#
Ant.0	State8	RMC	Front Side	10	9538	1907.6	0.09	0.145	19.90	21.00	1.288	0.187	/
	State8		Back Side	10	9538	1907.6	0.16	0.201	19.90	21.00	1.288	0.259	/
	State8		Left Edge	10	9538	1907.6	-0.15	0.078	19.90	21.00	1.288	0.100	/
	State8		Right Edge	10	9538	1907.6	-0.08	0.025	19.90	21.00	1.288	0.032	/
	State8		Bottom Edge	10	9538	1907.6	-0.12	0.365	19.90	21.00	1.288	0.470	/

11.4WCDMA Band 4

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1 g Meas SAR(W/kg)	Meas. Power(dBm)	Max. tune-power(dBm)	Scaling Factor	1 g Scaled SAR (W/kg)	Meas. No.
Head													
Ant.3	State5	RMC	Left Cheek	0	1312	1712.4	-0.04	0.484	18.43	18.75	1.076	0.521	/
	State5		Left Tilt	0	1312	1712.4	-0.01	0.532	18.43	18.75	1.076	0.572	/
	State5		Right Cheek	0	1312	1712.4	0.00	0.861	18.43	18.75	1.076	**0.926**	10#
	State5		Right Tilt	0	1312	1712.4	-0.08	0.811	18.43	18.75	1.076	0.873	/
	State5		Right Cheek	0	1412	1732.4	-0.16	0.823	18.32	18.75	1.104	0.909	/
	State5		Right Cheek	0	1513	1752.6	0.09	0.818	18.33	18.75	1.102	0.901	/
	State5		Right Tilt	0	1412	1732.4	-0.04	0.775	18.32	18.75	1.104	0.856	/
	State5		Right Tilt	0	1513	1752.6	0.05	0.770	18.33	18.75	1.102	0.849	/
Ant.3	State10	RMC	Left Cheek	0	1312	1712.4	0.13	0.364	17.68	18.00	1.076	0.392	/
	State10		Left Tilt	0	1312	1712.4	-0.03	0.399	17.68	18.00	1.076	0.429	/
	State10		Right Cheek	0	1312	1712.4	-0.02	0.646	17.68	18.00	1.076	0.695	/
	State10		Right Tilt	0	1312	1712.4	0.08	0.613	17.68	18.00	1.076	0.660	/
Ant.0	State5&10	RMC	Left Cheek	0	1312	1712.4	0.02	0.129	23.54	24.00	1.112	0.143	/
	State5&10		Left Tilt	0	1312	1712.4	-0.07	0.051	23.54	24.00	1.112	0.057	/
	State5&10		Right Cheek	0	1312	1712.4	0.14	0.085	23.54	24.00	1.112	0.095	/
	State5&10		Right Tilt	0	1312	1712.4	-0.05	0.063	23.54	24.00	1.112	0.070	/
Body-worn													
Ant.3	State3	RMC	Front Side	15	1312	1712.4	-0.08	0.135	21.97	22.25	1.067	0.144	/
	State3		Back Side	15	1312	1712.4	-0.14	0.154	21.97	22.25	1.067	0.164	/
Ant.3	State8	RMC	Front Side	15	1312	1712.4	0.10	0.120	21.45	21.75	1.072	0.129	/
	State8		Back Side	15	1312	1712.4	0.16	0.133	21.45	21.75	1.072	0.143	/
Ant.0	State3	RMC	Front Side	15	1513	1752.6	-0.06	0.135	20.54	21.00	1.112	0.150	/
	State3		Back Side	15	1513	1752.6	-0.02	0.185	20.54	21.00	1.112	**0.206**	11#
Ant.0	State8	RMC	Front Side	15	1312	1712.4	0.05	0.128	19.64	20.75	1.291	0.165	/
	State8		Back Side	15	1312	1712.4	0.07	0.152	19.64	20.75	1.291	0.196	/
Hotspot													
Ant.3	State3	RMC	Front Side	10	1312	1712.4	-0.01	0.329	21.97	22.25	1.067	0.351	/
	State3		Back Side	10	1312	1712.4	0.10	0.285	21.97	22.25	1.067	0.304	/
	State3		Right Edge	10	1312	1712.4	0.05	0.117	21.97	22.25	1.067	0.125	/
	State3		Top Edge	10	1312	1712.4	0.01	0.447	21.97	22.25	1.067	0.477	/
Ant.3	State8	RMC	Front Side	10	1312	1712.4	-0.04	0.293	21.45	21.75	1.072	0.314	/
	State8		Back Side	10	1312	1712.4	0.15	0.254	21.45	21.75	1.072	0.272	/
	State8		Right Edge	10	1312	1712.4	-0.14	0.111	21.45	21.75	1.072	0.119	/
	State8		Top Edge	10	1312	1712.4	-0.07	0.378	21.45	21.75	1.072	0.405	/
Ant.0	State3	RMC	Front Side	10	1513	1752.6	0.08	0.250	20.54	21.00	1.112	0.278	/
	State3		Back Side	10	1513	1752.6	-0.08	0.343	20.54	21.00	1.112	0.381	/

	State3		Left Edge	10	1513	1752.6	0.16	0.098	20.54	21.00	1.112	0.109	/
	State3		Right Edge	10	1513	1752.6	-0.01	0.050	20.54	21.00	1.112	0.056	/
	State3		Bottom Edge	10	1513	1752.6	-0.02	0.595	20.54	21.00	1.112	**0.662**	12#
Ant.0	State8	RMC	Front Side	10	1312	1712.4	-0.04	0.236	19.64	20.75	1.291	0.305	/
	State8		Back Side	10	1312	1712.4	0.13	0.324	19.64	20.75	1.291	0.418	/
	State8		Left Edge	10	1312	1712.4	-0.15	0.092	19.64	20.75	1.291	0.119	/
	State8		Right Edge	10	1312	1712.4	-0.15	0.047	19.64	20.75	1.291	0.061	/
	State8		Bottom Edge	10	1312	1712.4	0.06	0.512	19.64	20.75	1.291	0.661	/

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	State3	RMC	Bottom Edge	0	1513	1752.6	0.02	1.740	20.54	21.00	1.112	**1.935**	13#
Ant.0	State8	RMC	Bottom Edge	0	1312	1712.4	0.06	1.480	19.64	20.75	1.291	1.911	/

11.5WCDMA Band 5

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift(dB)	1 g Meas SAR(W/kg)	Meas. Power(dBm)	Max. tune-power(dBm)	Scaling Factor	1 g Scaled SAR (W/kg)	Meas. No.
Head													
Ant.1	State5	RMC	Left Cheek	0	4233	846.6	-0.09	0.682	22.61	23.50	1.227	0.837	/
	State5		Left Tilt	0	4233	846.6	-0.04	0.089	22.61	23.50	1.227	0.109	/
	State5		Right Cheek	0	4233	846.6	0.06	0.352	22.61	23.50	1.227	0.432	/
	State5		Right Tilt	0	4233	846.6	-0.01	0.067	22.61	23.50	1.227	0.082	/
	State5		Left Cheek	0	4132	826.4	0.00	0.701	22.60	23.50	1.230	**0.862**	14#
	State5		Left Cheek	0	4182	836.4	-0.11	0.591	22.54	23.50	1.247	0.737	/
Ant.1	State10	RMC	Left Cheek	0	4233	846.6	0.03	0.612	22.14	23.00	1.219	0.746	/
	State10		Left Tilt	0	4233	846.6	-0.15	0.076	22.14	23.00	1.219	0.093	/
	State10		Right Cheek	0	4233	846.6	-0.10	0.318	22.14	23.00	1.219	0.388	/
	State10		Right Tilt	0	4233	846.6	0.12	0.061	22.14	23.00	1.219	0.074	/
Ant.0	State5&10	RMC	Left Cheek	0	4182	836.4	-0.14	0.117	23.58	24.50	1.236	0.145	/
	State5&10		Left Tilt	0	4182	836.4	0.12	0.086	23.58	24.50	1.236	0.106	/
	State5&10		Right Cheek	0	4182	836.4	0.07	0.129	23.58	24.50	1.236	0.159	/
	State5&10		Right Tilt	0	4182	836.4	-0.16	0.077	23.58	24.50	1.236	0.095	/
Body-worn													
Ant.1	State3	RMC	Front Side	15	4233	846.6	-0.04	0.225	23.58	24.50	1.236	0.278	/
	State3		Back Side	15	4233	846.6	0.02	0.330	23.58	24.50	1.236	**0.408**	15#
Ant.1	State8	RMC	Front Side	15	4233	846.6	-0.09	0.211	23.36	24.25	1.227	0.259	/
	State8		Back Side	15	4233	846.6	0.10	0.267	23.36	24.25	1.227	0.328	/
Ant.0	State3&8	RMC	Front Side	15	4182	836.4	0.08	0.113	23.58	24.50	1.236	0.140	/
	State3&8		Back Side	15	4182	836.4	-0.11	0.118	23.58	24.50	1.236	0.146	/
Hotspot													
Ant.1	State3	RMC	Front Side	10	4233	846.6	0.00	0.460	23.58	24.50	1.236	0.569	/
	State3		Back Side	10	4233	846.6	0.10	0.562	23.58	24.50	1.236	0.695	/
	State3		Right Edge	10	4233	846.6	-0.05	0.745	23.58	24.50	1.236	**0.921**	16#
	State3		Right Edge	10	4132	826.4	-0.08	0.649	23.57	24.50	1.239	0.804	/
	State3		Right Edge	10	4182	836.4	-0.11	0.729	23.57	24.50	1.239	0.903	/
Ant.1	State8	RMC	Front Side	10	4233	846.6	0.13	0.411	23.36	24.25	1.227	0.504	/
	State8		Back Side	10	4233	846.6	0.01	0.502	23.36	24.25	1.227	0.616	/
	State8		Right Edge	10	4233	846.6	0.07	0.660	23.36	24.25	1.227	0.810	/
	State8		Right Edge	10	4132	826.4	-0.12	0.580	23.35	24.25	1.230	0.713	/
	State8		Right Edge	10	4182	836.4	0.10	0.687	23.31	24.25	1.242	0.853	/
Ant.0	State3&8	RMC	Front Side	10	4182	836.4	-0.06	0.147	23.58	24.50	1.236	0.182	/
	State3&8		Back Side	10	4182	836.4	-0.16	0.144	23.58	24.50	1.236	0.178	/
	State3&8		Left Edge	10	4182	836.4	-0.11	0.077	23.58	24.50	1.236	0.095	/
	State3&8		Right Edge	10	4182	836.4	0.05	0.090	23.58	24.50	1.236	0.111	/
	State3&8		Bottom Edge	10	4182	836.4	0.06	0.192	23.58	24.50	1.236	0.237	/

11.6 LTE Band 2 (20MHz Bandwidth)

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1 g Meas SAR(W/kg)	Meas. Power(dBm)	Max. tune-power(dBm)	Scaling Factor	1 g Scaled SAR (W/kg)	Meas. No.
Head															
Ant.3	State5	QPSK	Left Cheek	0	19100	1900	1	High	-0.13	0.442	18.40	19.25	1.216	0.537	/
	State5		Left Tilt	0	19100	1900	1	High	-0.06	0.509	18.40	19.25	1.216	0.619	/
	State5		Right Cheek	0	19100	1900	1	High	0.00	0.880	18.40	19.25	1.216	**1.070**	17#
	State5		Right Tilt	0	19100	1900	1	High	0.02	0.864	18.40	19.25	1.216	1.051	/
	State5		Left Cheek	0	19100	1900	50	High	-0.05	0.421	18.36	19.25	1.227	0.517	/
	State5		Left Tilt	0	19100	1900	50	High	0.13	0.485	18.36	19.25	1.227	0.595	/
	State5		Right Cheek	0	19100	1900	50	High	-0.08	0.862	18.36	19.25	1.227	1.058	/
	State5		Right Tilt	0	19100	1900	50	High	0.05	0.823	18.36	19.25	1.227	1.010	/
	State5		Right Cheek	0	18700	1860	1	High	-0.12	0.852	18.32	19.25	1.239	1.056	/
	State5		Right Cheek	0	18900	1880	1	High	-0.07	0.836	18.39	19.25	1.219	1.019	/
	State5		Right Cheek	0	18700	1860	50	High	-0.04	0.836	18.24	19.25	1.262	1.055	/
	State5		Right Cheek	0	18900	1880	50	High	-0.08	0.816	18.30	19.25	1.245	1.016	/
	State5		Right Cheek	0	19100	1900	100	Low	0.10	0.856	18.33	19.25	1.236	1.058	/
Ant.3	State10	QPSK	Left Cheek	0	19100	1900	1	High	0.01	0.370	17.62	18.50	1.225	0.453	/
	State10		Left Tilt	0	19100	1900	1	High	-0.09	0.411	17.62	18.50	1.225	0.503	/
	State10		Right Cheek	0	19100	1900	1	High	-0.02	0.732	17.62	18.50	1.225	0.897	/
	State10		Right Tilt	0	19100	1900	1	High	0.00	0.711	17.62	18.50	1.225	0.871	/
	State10		Left Cheek	0	19100	1900	50	High	0.12	0.354	17.62	18.50	1.225	0.434	/
	State10		Left Tilt	0	19100	1900	50	High	0.05	0.401	17.62	18.50	1.225	0.491	/
	State10		Right Cheek	0	19100	1900	50	High	-0.02	0.725	17.62	18.50	1.225	0.888	/
	State10		Right Tilt	0	19100	1900	50	High	-0.06	0.684	17.62	18.50	1.225	0.838	/
	State10		Right Cheek	0	18700	1860	1	High	-0.05	0.711	17.56	18.50	1.242	0.883	/
	State10		Right Cheek	0	18900	1880	1	High	0.13	0.702	17.61	18.50	1.227	0.861	/
	State10		Right Cheek	0	18700	1860	50	High	-0.16	0.689	17.47	18.50	1.268	0.874	/
	State10		Right Cheek	0	18900	1880	50	High	0.08	0.682	17.56	18.50	1.242	0.847	/
	State10		Right Cheek	0	19100	1900	100	Low	0.02	0.692	17.57	18.50	1.239	0.857	/
Ant.0	State5&10	QPSK	Left Cheek	0	18900	1880	1	High	0.16	0.085	22.91	23.50	1.146	0.097	/
	State5&10		Left Tilt	0	18900	1880	1	High	0.03	0.000	22.91	23.50	1.146	0.000	/
	State5&10		Right Cheek	0	18900	1880	1	High	0.12	0.056	22.91	23.50	1.146	0.064	/
	State5&10		Right Tilt	0	18900	1880	1	High	0.09	0.040	22.91	23.50	1.146	0.046	/
	State5&10		Left Cheek	0	18900	1880	50	High	0.14	0.076	22.29	22.50	1.050	0.080	/
	State5&10		Left Tilt	0	18900	1880	50	High	-0.16	0.000	22.29	22.50	1.050	0.000	/
	State5&10		Right Cheek	0	18900	1880	50	High	0.13	0.058	22.29	22.50	1.050	0.061	/
	State5&10		Right Tilt	0	18900	1880	50	High	-0.05	0.000	22.29	22.50	1.050	0.000	/
Body-worn															
Ant.3	State3	QPSK	Front Side	15	19100	1900	1	High	-0.08	0.102	20.78	21.50	1.180	0.120	/

	State3		Back Side	15	19100	1900	1	High	0.04	0.135	20.78	21.50	1.180	0.159	/
	State3		Front Side	15	19100	1900	50	High	0.02	0.111	20.62	21.50	1.225	0.136	/
	State3		Back Side	15	19100	1900	50	High	-0.13	0.129	20.62	21.50	1.225	0.158	/
Ant.3	State8	QPSK	Front Side	15	18900	1880	1	High	-0.16	0.089	20.21	21.00	1.199	0.107	/
	State8		Back Side	15	18900	1880	1	High	-0.10	0.102	20.21	21.00	1.199	0.122	/
	State8		Front Side	15	19100	1900	50	High	0.12	0.091	20.13	21.00	1.222	0.111	/
	State8		Back Side	15	19100	1900	50	High	0.10	0.105	20.13	21.00	1.222	0.128	/
Ant.0	State3	QPSK	Front Side	15	19100	1900	1	High	-0.03	0.112	21.66	22.25	1.146	0.128	/
	State3		Back Side	15	19100	1900	1	High	0.02	0.169	21.66	22.25	1.146	**0.194**	18#
	State3		Front Side	15	19100	1900	50	High	-0.14	0.102	21.52	22.25	1.183	0.121	/
	State3		Back Side	15	19100	1900	50	High	-0.04	0.145	21.52	22.25	1.183	0.172	/
Ant.0	State8	QPSK	Front Side	15	19100	1900	1	High	-0.12	0.067	20.70	21.25	1.135	0.076	/
	State8		Back Side	15	19100	1900	1	High	0.07	0.095	20.70	21.25	1.135	0.108	/
	State8		Front Side	15	19100	1900	50	Low	0.00	0.078	20.56	21.25	1.172	0.091	/
	State8		Back Side	15	19100	1900	50	Low	-0.01	0.098	20.56	21.25	1.172	0.115	/
Hotspot															
Ant.3	State3	QPSK	Front Side	10	19100	1900	1	High	0.15	0.165	20.78	21.50	1.180	0.195	/
	State3		Back Side	10	19100	1900	1	High	0.04	0.235	20.78	21.50	1.180	0.277	/
	State3		Right Edge	10	19100	1900	1	High	-0.11	0.095	20.78	21.50	1.180	0.112	/
	State3		Top Edge	10	19100	1900	1	High	0.02	0.368	20.78	21.50	1.180	0.434	/
	State3		Front Side	10	19100	1900	50	High	-0.02	0.158	20.62	21.50	1.225	0.194	/
	State3		Back Side	10	19100	1900	50	High	0.12	0.226	20.62	21.50	1.225	0.277	/
	State3		Right Edge	10	19100	1900	50	High	0.07	0.089	20.62	21.50	1.225	0.109	/
	State3		Top Edge	10	19100	1900	50	High	-0.16	0.348	20.62	21.50	1.225	0.426	/
Ant.3	State8	QPSK	Front Side	10	18900	1880	1	High	-0.12	0.147	20.21	21.00	1.199	0.176	/
	State8		Back Side	10	18900	1880	1	High	0.03	0.206	20.21	21.00	1.199	0.247	/
	State8		Right Edge	10	18900	1880	1	High	-0.13	0.082	20.21	21.00	1.199	0.098	/
	State8		Top Edge	10	18900	1880	1	High	-0.11	0.311	20.21	21.00	1.199	0.373	/
	State8		Front Side	10	19100	1900	50	High	-0.14	0.142	20.13	21.00	1.222	0.174	/
	State8		Back Side	10	19100	1900	50	High	0.11	0.196	20.13	21.00	1.222	0.240	/
	State8		Right Edge	10	19100	1900	50	High	0.01	0.080	20.13	21.00	1.222	0.098	/
	State8		Top Edge	10	19100	1900	50	High	0.13	0.302	20.13	21.00	1.222	0.369	/
Ant.0	State3	QPSK	Front Side	10	19100	1900	1	High	0.10	0.208	21.66	22.25	1.146	0.238	/
	State3		Back Side	10	19100	1900	1	High	-0.09	0.298	21.66	22.25	1.146	0.342	/
	State3		Left Edge	10	19100	1900	1	High	0.09	0.110	21.66	22.25	1.146	0.126	/
	State3		Right Edge	10	19100	1900	1	High	0.13	0.043	21.66	22.25	1.146	0.049	/
	State3		Bottom Edge	10	19100	1900	1	High	-0.02	0.521	21.66	22.25	1.146	**0.597**	19#
	State3		Front Side	10	19100	1900	50	High	-0.05	0.211	21.52	22.25	1.183	0.250	/
	State3		Back Side	10	19100	1900	50	High	0.05	0.287	21.52	22.25	1.183	0.340	/
	State3		Left Edge	10	19100	1900	50	High	0.11	0.105	21.52	22.25	1.183	0.124	/
	State3		Right Edge	10	19100	1900	50	High	0.03	0.042	21.52	22.25	1.183	0.050	/
	State3		Bottom Edge	10	19100	1900	50	High	0.09	0.502	21.52	22.25	1.183	0.594	/

Ant.0	State8	QPSK	Front Side	10	19100	1900	1	High	-0.16	0.165	20.70	21.25	1.135	0.187	/
	State8		Back Side	10	19100	1900	1	High	-0.11	0.223	20.70	21.25	1.135	0.253	/
	State8		Left Edge	10	19100	1900	1	High	0.06	0.087	20.70	21.25	1.135	0.099	/
	State8		Right Edge	10	19100	1900	1	High	0.00	0.034	20.70	21.25	1.135	0.039	/
	State8		Bottom Edge	10	19100	1900	1	High	-0.09	0.412	20.70	21.25	1.135	0.468	/
	State8		Front Side	10	19100	1900	50	Low	0.05	0.158	20.56	21.25	1.172	0.185	/
	State8		Back Side	10	19100	1900	50	Low	-0.07	0.208	20.56	21.25	1.172	0.244	/
	State8		Left Edge	10	19100	1900	50	Low	-0.05	0.079	20.56	21.25	1.172	0.093	/
	State8		Right Edge	10	19100	1900	50	Low	0.10	0.033	20.56	21.25	1.172	0.039	/
	State8		Bottom Edge	10	19100	1900	50	Low	-0.07	0.392	20.56	21.25	1.172	0.459	/

11.7 LTE Band 4 (20MHz Bandwidth)

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1 g Meas SAR(W/kg)	Meas. Power(dBm)	Max. tune-power(dBm)	Scaling Factor	1 g Scaled SAR (W/kg)	Meas. No.
Head															
Ant.3	State5	QPSK	Left Cheek	0	20175	1732.5	1	High	0.12	0.536	18.51	19.00	1.119	0.600	/
	State5		Left Tilt	0	20175	1732.5	1	High	-0.16	0.523	18.51	19.00	1.119	0.585	/
	State5		Right Cheek	0	20175	1732.5	1	High	-0.05	0.734	18.51	19.00	1.119	0.821	/
	State5		Right Tilt	0	20175	1732.5	1	High	-0.09	0.711	18.51	19.00	1.119	0.796	/
	State5		Left Cheek	0	20175	1732.5	50	High	0.15	0.440	18.48	19.00	1.127	0.496	/
	State5		Left Tilt	0	20175	1732.5	50	High	-0.01	0.429	18.48	19.00	1.127	0.483	/
	State5		Right Cheek	0	20175	1732.5	50	High	0.03	0.703	18.48	19.00	1.127	0.792	/
	State5		Right Tilt	0	20175	1732.5	50	High	-0.01	0.664	18.48	19.00	1.127	0.748	/
	State5		Right Cheek	0	20050	1720	1	Low	0.09	0.752	18.46	19.00	1.132	0.851	/
	State5		Right Cheek	0	20300	1745	1	High	0.01	0.785	18.51	19.00	1.119	**0.878**	20#
	State5		Right Cheek	0	20050	1720	50	High	0.11	0.732	18.45	19.00	1.135	0.831	/
	State5		Right Cheek	0	20300	1745	50	High	-0.01	0.726	18.45	19.00	1.135	0.824	/
	State5		Right Cheek	0	20175	1732.5	100	Low	0.09	0.728	18.46	19.00	1.132	0.824	/
Ant.3	State10	QPSK	Left Cheek	0	20175	1732.5	1	High	0.02	0.421	17.52	18.00	1.117	0.470	/
	State10		Left Tilt	0	20175	1732.5	1	High	-0.06	0.411	17.52	18.00	1.117	0.459	/
	State10		Right Cheek	0	20175	1732.5	1	High	0.14	0.582	17.52	18.00	1.117	0.650	/
	State10		Right Tilt	0	20175	1732.5	1	High	0.13	0.546	17.52	18.00	1.117	0.610	/
	State10		Left Cheek	0	20175	1732.5	50	High	-0.07	0.342	17.47	18.00	1.130	0.386	/
	State10		Left Tilt	0	20175	1732.5	50	High	-0.13	0.340	17.47	18.00	1.130	0.384	/
	State10		Right Cheek	0	20175	1732.5	50	High	-0.05	0.552	17.47	18.00	1.130	0.624	/
	State10		Right Tilt	0	20175	1732.5	50	High	0.09	0.528	17.47	18.00	1.130	0.597	/
Ant.0	State5&10	QPSK	Left Cheek	0	20300	1745	1	High	0.09	0.112	22.93	23.50	1.140	0.128	/
	State5&10		Left Tilt	0	20300	1745	1	High	0.00	0.046	22.93	23.50	1.140	0.052	/
	State5&10		Right Cheek	0	20300	1745	1	High	0.05	0.073	22.93	23.50	1.140	0.083	/
	State5&10		Right Tilt	0	20300	1745	1	High	0.09	0.045	22.93	23.50	1.140	0.051	/
	State5&10		Left Cheek	0	20300	1745	50	High	-0.03	0.100	22.27	22.50	1.054	0.105	/
	State5&10		Left Tilt	0	20300	1745	50	High	0.04	0.043	22.27	22.50	1.054	0.045	/
	State5&10		Right Cheek	0	20300	1745	50	High	-0.09	0.064	22.27	22.50	1.054	0.067	/
	State5&10		Right Tilt	0	20300	1745	50	High	0.08	0.044	22.27	22.50	1.054	0.046	/
Body-worn															
Ant.3	State3	QPSK	Front Side	15	20300	1745	1	High	-0.15	0.132	21.83	22.25	1.102	0.145	/
	State3		Back Side	15	20300	1745	1	High	0.06	0.121	21.83	22.25	1.102	0.133	/
	State3		Front Side	15	20300	1745	50	High	0.05	0.130	21.75	22.25	1.122	0.146	/
	State3		Back Side	15	20300	1745	50	High	-0.12	0.125	21.75	22.25	1.122	0.140	/
Ant.3	State8	QPSK	Front Side	15	20300	1745	1	High	-0.11	0.121	21.57	22.00	1.104	0.134	/
	State8		Back Side	15	20300	1745	1	High	0.06	0.105	21.57	22.00	1.104	0.116	/

	State8		Front Side	15	20300	1745	50	High	-0.03	0.115	21.49	22.00	1.125	0.129	/
	State8		Back Side	15	20300	1745	50	High	-0.05	0.106	21.49	22.00	1.125	0.119	/
Ant.0	State3	QPSK	Front Side	15	20300	1745	1	High	0.03	0.121	20.80	21.25	1.109	0.134	/
	State3		Back Side	15	20300	1745	1	High	-0.01	0.159	20.80	21.25	1.109	**0.176**	21#
	State3		Front Side	15	20300	1745	50	High	0.10	0.131	20.68	21.25	1.140	0.149	/
	State3		Back Side	15	20300	1745	50	High	0.14	0.148	20.68	21.25	1.140	0.169	/
Ant.0	State8	QPSK	Front Side	15	20300	1745	1	High	0.06	0.105	20.29	20.75	1.112	0.117	/
	State8		Back Side	15	20300	1745	1	High	0.09	0.135	20.29	20.75	1.112	0.150	/
	State8		Front Side	15	20300	1745	50	High	-0.07	0.101	20.19	20.75	1.138	0.115	/
	State8		Back Side	15	20300	1745	50	High	0.08	0.122	20.19	20.75	1.138	0.139	/
Hotspot															
Ant.3	State3	QPSK	Front Side	10	20300	1745	1	High	-0.03	0.366	21.83	22.25	1.102	0.403	/
	State3		Back Side	10	20300	1745	1	High	-0.06	0.350	21.83	22.25	1.102	0.386	/
	State3		Right Edge	10	20300	1745	1	High	-0.02	0.128	21.83	22.25	1.102	0.141	/
	State3		Top Edge	10	20300	1745	1	High	0.030	0.425	21.83	22.25	1.102	0.468	/
	State3		Front Side	10	20300	1745	50	High	-0.14	0.366	21.75	22.25	1.122	0.411	/
	State3		Back Side	10	20300	1745	50	High	0.12	0.350	21.75	22.25	1.122	0.393	/
	State3		Right Edge	10	20300	1745	50	High	0.07	0.128	21.75	22.25	1.122	0.144	/
	State3		Top Edge	10	20300	1745	50	High	0.14	0.402	21.75	22.25	1.122	0.451	/
Ant.3	State8	QPSK	Front Side	10	20300	1745	1	High	-0.10	0.258	21.57	22.00	1.104	0.285	/
	State8		Back Side	10	20300	1745	1	High	0.10	0.241	21.57	22.00	1.104	0.266	/
	State8		Right Edge	10	20300	1745	1	High	-0.03	0.087	21.57	22.00	1.104	0.096	/
	State8		Top Edge	10	20300	1745	1	High	-0.02	0.369	21.57	22.00	1.104	0.407	/
	State8		Front Side	10	20300	1745	50	High	0.12	0.264	21.49	22.00	1.125	0.297	/
	State8		Back Side	10	20300	1745	50	High	0.03	0.238	21.49	22.00	1.125	0.268	/
	State8		Right Edge	10	20300	1745	50	High	0.09	0.091	21.49	22.00	1.125	0.102	/
	State8		Top Edge	10	20300	1745	50	High	0.13	0.371	21.49	22.00	1.125	0.417	/
Ant.0	State3	QPSK	Front Side	10	20300	1745	1	High	-0.11	0.280	20.80	21.25	1.109	0.311	/
	State3		Back Side	10	20300	1745	1	High	-0.07	0.379	20.80	21.25	1.109	0.420	/
	State3		Left Edge	10	20300	1745	1	High	0.04	0.106	20.80	21.25	1.109	0.118	/
	State3		Right Edge	10	20300	1745	1	High	0.14	0.052	20.80	21.25	1.109	0.058	/
	State3		Bottom Edge	10	20300	1745	1	High	0.01	0.608	20.80	21.25	1.109	**0.674**	22#
	State3		Front Side	10	20300	1745	50	High	0.02	0.247	20.68	21.25	1.140	0.282	/
	State3		Back Side	10	20300	1745	50	High	-0.03	0.338	20.68	21.25	1.140	0.385	/
	State3		Left Edge	10	20300	1745	50	High	0.10	0.093	20.68	21.25	1.140	0.106	/
	State3		Right Edge	10	20300	1745	50	High	-0.09	0.046	20.68	21.25	1.140	0.052	/
	State3		Bottom Edge	10	20300	1745	50	High	0.14	0.578	20.68	21.25	1.140	0.659	/
Ant.0	State8	QPSK	Front Side	10	20300	1745	1	Low	0.02	0.249	20.29	20.75	1.112	0.277	/
	State8		Back Side	10	20300	1745	1	Low	-0.13	0.339	20.29	20.75	1.112	0.377	/
	State8		Left Edge	10	20300	1745	1	Low	0.10	0.094	20.29	20.75	1.112	0.105	/
	State8		Right Edge	10	20300	1745	1	Low	-0.13	0.046	20.29	20.75	1.112	0.051	/
	State8		Bottom Edge	10	20300	1745	1	Low	0.10	0.541	20.29	20.75	1.112	0.602	/
	State8		Front Side	10	20300	1745	50	Low	-0.16	0.215	20.19	20.75	1.138	0.245	/

	State8		Back Side	10	20300	1745	50	Low	0.15	0.302	20.19	20.75	1.138	0.344	/
	State8		Left Edge	10	20300	1745	50	Low	0.04	0.082	20.19	20.75	1.138	0.093	/
	State8		Right Edge	10	20300	1745	50	Low	0.12	0.038	20.19	20.75	1.138	0.043	/
	State8		Bottom Edge	10	20300	1745	50	Low	0.12	0.502	20.19	20.75	1.138	0.571	/

11.8 LTE Band 5 (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	State5	QPSK	Left Cheek	0	20600	844	1	High	-0.03	0.769	21.93	23.00	1.279	**0.984**	23#
	State5		Left Tilt	0	20600	844	1	High	0.05	0.094	21.93	23.00	1.279	0.120	/
	State5		Right Cheek	0	20600	844	1	High	0.09	0.395	21.93	23.00	1.279	0.505	/
	State5		Right Tilt	0	20600	844	1	High	0.07	0.076	21.93	23.00	1.279	0.097	/
	State5		Left Cheek	0	20600	844	25	Low	-0.10	0.606	21.52	23.00	1.406	0.852	/
	State5		Left Tilt	0	20600	844	25	Low	-0.03	0.072	21.52	23.00	1.406	0.101	/
	State5		Right Cheek	0	20600	844	25	Low	0.13	0.293	21.52	23.00	1.406	0.412	/
	State5		Right Tilt	0	20600	844	25	Low	0.02	0.059	21.52	23.00	1.406	0.083	/
	State5		Left Cheek	0	20450	829	1	High	-0.03	0.750	21.85	23.00	1.303	0.977	/
	State5		Left Cheek	0	20525	836.5	1	High	0.07	0.741	21.81	23.00	1.315	0.974	/
	State5		Left Cheek	0	20450	829	25	Mid	-0.01	0.586	21.46	23.00	1.426	0.836	/
	State5		Left Cheek	0	20525	836.5	25	High	-0.16	0.604	21.43	23.00	1.435	0.867	/
	State5		Left Cheek	0	20600	844	50	Low	0.09	0.618	21.32	23.00	1.472	0.910	/
Ant.1	State10	QPSK	Left Cheek	0	20450	829	1	High	-0.15	0.591	20.73	22.00	1.340	0.792	/
	State10		Left Tilt	0	20450	829	1	High	-0.02	0.078	20.73	22.00	1.340	0.105	/
	State10		Right Cheek	0	20450	829	1	High	0.14	0.310	20.73	22.00	1.340	0.415	/
	State10		Right Tilt	0	20450	829	1	High	0.04	0.056	20.73	22.00	1.340	0.075	/
	State10		Left Cheek	0	20600	844	25	Low	0.03	0.519	20.23	22.00	1.503	0.780	/
	State10		Left Tilt	0	20600	844	25	High	0.10	0.067	20.23	22.00	1.503	0.101	/
	State10		Right Cheek	0	20600	844	25	High	-0.01	0.271	20.23	22.00	1.503	0.407	/
	State10		Right Tilt	0	20600	844	25	High	-0.08	0.052	20.23	22.00	1.503	0.078	/
Ant.0	State5&10	QPSK	Left Cheek	0	20600	844	1	High	-0.01	0.083	23.33	24.50	1.309	0.109	/
	State5&10		Left Tilt	0	20600	844	1	High	0.01	0.047	23.33	24.50	1.309	0.062	/
	State5&10		Right Cheek	0	20600	844	1	High	0.11	0.072	23.33	24.50	1.309	0.094	/
	State5&10		Right Tilt	0	20600	844	1	High	-0.16	0.000	23.33	24.50	1.309	0.000	/
	State5&10		Left Cheek	0	20600	844	25	High	-0.08	0.057	21.78	23.50	1.486	0.085	/
	State5&10		Left Tilt	0	20600	844	25	High	-0.06	0.000	21.78	23.50	1.486	0.000	/
	State5&10		Right Cheek	0	20600	844	25	High	-0.15	0.054	21.78	23.50	1.486	0.080	/
	State5&10		Right Tilt	0	20600	844	25	High	-0.14	0.000	21.78	23.50	1.486	0.000	/
Body-worn															
Ant.1	State3&8	QPSK	Front Side	15	20600	844	1	High	-0.02	0.223	23.19	24.50	1.352	0.301	/
	State3&8		Back Side	15	20600	844	1	High	0.01	0.325	23.19	24.50	1.352	**0.439**	24#
	State3&8		Front Side	15	20600	844	25	Low	0.02	0.165	21.68	23.50	1.521	0.251	/
	State3&8		Back Side	15	20600	844	25	Low	0.02	0.211	21.68	23.50	1.521	0.321	/
Ant.0	State3&8	QPSK	Front Side	15	20600	844	1	High	0.04	0.107	23.33	24.50	1.309	0.140	/
	State3&8		Back Side	15	20600	844	1	High	0.16	0.108	23.33	24.50	1.309	0.141	/

	State3&8		Front Side	15	20600	844	25	High	0.01	0.074	21.78	23.50	1.486	0.110	/
	State3&8		Back Side	15	20600	844	25	High	0.00	0.076	21.78	23.50	1.486	0.113	/
Hotspot															
Ant.1	State3&8	QPSK	Front Side	10	20600	844	1	High	-0.07	0.414	23.19	24.50	1.352	0.560	/
	State3&8		Back Side	10	20600	844	1	High	-0.15	0.483	23.19	24.50	1.352	0.653	/
	State3&8		Right Edge	10	20600	844	1	High	-0.02	0.708	23.19	24.50	1.352	**0.957**	25#
	State3&8		Front Side	10	20600	844	25	Low	-0.15	0.305	21.68	23.50	1.521	0.464	/
	State3&8		Back Side	10	20600	844	25	Low	-0.08	0.355	21.68	23.50	1.521	0.540	/
	State3&8		Right Edge	10	20600	844	25	Low	-0.15	0.534	21.68	23.50	1.521	0.812	/
	State3&8		Right Edge	10	20450	829	1	High	0.13	0.550	23.16	24.50	1.361	0.749	/
	State3&8		Right Edge	10	20525	836.5	1	Mid	-0.08	0.650	23.18	24.50	1.355	0.881	/
	State3&8		Right Edge	10	20450	829	25	Low	0.07	0.377	21.67	23.50	1.524	0.575	/
	State3&8		Right Edge	10	20525	836.5	25	Low	0.11	0.460	21.67	23.50	1.524	0.701	/
	State3&8		Right Edge	10	20600	844	50	Low	0.15	0.440	21.68	23.50	1.521	0.669	/
Ant.0	State3&8	QPSK	Front Side	10	20525	836.5	1	Low	0.11	0.134	23.33	24.50	1.309	0.175	/
	State3&8		Back Side	10	20525	836.5	1	Low	0.10	0.142	23.33	24.50	1.309	0.186	/
	State3&8		Left Edge	10	20525	836.5	1	Low	-0.08	0.072	23.33	24.50	1.309	0.094	/
	State3&8		Right Edge	10	20525	836.5	1	Low	0.11	0.087	23.33	24.50	1.309	0.114	/
	State3&8		Bottom Edge	10	20525	836.5	1	Low	0.05	0.181	23.33	24.50	1.309	0.237	/
	State3&8		Front Side	10	20525	836.5	25	Low	0.01	0.095	21.78	23.50	1.486	0.141	/
	State3&8		Back Side	10	20525	836.5	25	Low	0.01	0.099	21.78	23.50	1.486	0.147	/
	State3&8		Left Edge	10	20525	836.5	25	Low	0.15	0.050	21.78	23.50	1.486	0.074	/
	State3&8		Right Edge	10	20525	836.5	25	Low	0.08	0.060	21.78	23.50	1.486	0.089	/
	State3&8		Bottom Edge	10	20525	836.5	25	Low	0.01	0.129	21.78	23.50	1.486	0.192	/

11.9 LTE Band 7 (20MHz Bandwidth)

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1 g Meas SAR(W/kg)	Meas. Power(dBm)	Max. tune-power(dBm)	Scaling Factor	1 g Scaled SAR (W/kg)	Meas. No.
Head															
Ant.3	State5&10	QPSK	Left Cheek	0	21100	2535	1	High	-0.04	0.330	17.45	18.20	1.189	0.392	/
	State5&10		Left Tilt	0	21100	2535	1	High	-0.06	0.342	17.45	18.20	1.189	0.407	/
	State5&10		Right Cheek	0	21100	2535	1	High	-0.15	0.616	17.45	18.20	1.189	0.732	/
	State5&10		Right Tilt	0	21100	2535	1	High	0.15	0.685	17.45	18.20	1.189	0.814	/
	State5&10		Left Cheek	0	21100	2535	50	Mid	-0.06	0.323	17.44	18.20	1.191	0.385	/
	State5&10		Left Tilt	0	21100	2535	50	Mid	0.10	0.339	17.44	18.20	1.191	0.404	/
	State5&10		Right Cheek	0	21100	2535	50	Mid	0.11	0.587	17.44	18.20	1.191	0.699	/
	State5&10		Right Tilt	0	21100	2535	50	Mid	-0.09	0.618	17.44	18.20	1.191	0.736	/
	State5&10		Right Tilt	0	20850	2510	1	Low	0.02	0.638	17.24	18.20	1.247	0.796	/
	State5&10		Right Tilt	0	21350	2560	1	Low	-0.02	0.896	17.14	18.20	1.276	**1.143**	26#
	State5&10		Right Tilt	0	20850	2510	50	High	0.10	0.727	17.27	18.20	1.239	0.901	/
	State5&10		Right Tilt	0	21350	2560	50	Low	0.06	0.663	17.14	18.20	1.276	0.846	/
	State5&10		Right Tilt	0	21100	2535	100	Low	-0.01	0.638	17.33	18.20	1.222	0.780	/
Ant.4	State5&10	QPSK	Left Cheek	0	21100	2535	1	Mid	0.15	0.060	22.70	23.20	1.122	0.067	/
	State5&10		Left Tilt	0	21100	2535	1	Mid	0.00	0.033	22.70	23.20	1.122	0.037	/
	State5&10		Right Cheek	0	21100	2535	1	Mid	0.15	0.110	22.70	23.20	1.122	0.123	/
	State5&10		Right Tilt	0	21100	2535	1	Mid	-0.04	0.074	22.70	23.20	1.122	0.083	/
	State5&10		Left Cheek	0	21100	2535	50	High	-0.14	0.048	21.47	22.20	1.183	0.057	/
	State5&10		Left Tilt	0	21100	2535	50	High	0.11	0.000	21.47	22.20	1.183	0.000	/
	State5&10		Right Cheek	0	21100	2535	50	High	-0.14	0.088	21.47	22.20	1.183	0.104	/
	State5&10		Right Tilt	0	21100	2535	50	High	0.03	0.059	21.47	22.20	1.183	0.070	/
Ant.0	State5&10	QPSK	Left Cheek	0	20850	2510	1	Mid	0.10	0.038	23.50	24.20	1.175	0.045	/
	State5&10		Left Tilt	0	20850	2510	1	Mid	0.03	0.000	23.50	24.20	1.175	0.000	/
	State5&10		Right Cheek	0	20850	2510	1	Mid	0.00	0.063	23.50	24.20	1.175	0.074	/
	State5&10		Right Tilt	0	20850	2510	1	Mid	0.14	0.000	23.50	24.20	1.175	0.000	/
	State5&10		Left Cheek	0	20850	2510	50	High	-0.07	0.029	22.22	23.20	1.253	0.036	/
	State5&10		Left Tilt	0	20850	2510	50	High	-0.01	0.000	22.22	23.20	1.253	0.000	/
	State5&10		Right Cheek	0	20850	2510	50	High	0.08	0.052	22.22	23.20	1.253	0.065	/
	State5&10		Right Tilt	0	20850	2510	50	High	-0.01	0.000	22.22	23.20	1.253	0.000	/
Body-worn															
Ant.3	State3	QPSK	Front Side	15	21350	2560	1	Mid	0.02	0.096	19.21	19.95	1.186	**0.114**	27#
	State3		Back Side	15	21350	2560	1	Mid	-0.15	0.064	19.21	19.95	1.186	0.076	/
	State3		Front Side	15	21350	2560	50	Mid	-0.06	0.075	19.16	19.95	1.199	0.090	/
	State3		Back Side	15	21350	2560	50	Mid	0.01	0.056	19.16	19.95	1.199	0.067	/
Ant.3	State8	QPSK	Front Side	15	21350	2560	1	Mid	0.05	0.069	18.95	19.70	1.189	0.082	/
	State8		Back Side	15	21350	2560	1	Mid	-0.14	0.055	18.95	19.70	1.189	0.065	/

	State8		Front Side	15	21350	2560	50	Mid	-0.03	0.071	18.90	19.70	1.202	0.085	/
	State8		Back Side	15	21350	2560	50	Mid	-0.09	0.053	18.90	19.70	1.202	0.064	/
Ant.4	State3	QPSK	Front Side	15	21350	2560	1	Mid	0.04	0.027	18.80	19.20	1.096	0.030	/
	State3		Back Side	15	21350	2560	1	Mid	-0.11	0.022	18.80	19.20	1.096	0.024	/
	State3		Front Side	15	21350	2560	50	Mid	0.15	0.036	18.75	19.20	1.109	0.040	/
	State3		Back Side	15	21350	2560	50	Mid	-0.11	0.027	18.75	19.20	1.109	0.030	/
Ant.4	State8	QPSK	Front Side	15	21100	2535	1	Mid	-0.13	0.021	18.18	18.70	1.127	0.024	/
	State8		Back Side	15	21100	2535	1	Mid	0.16	0.019	18.18	18.70	1.127	0.021	/
	State8		Front Side	15	21100	2535	50	High	0.15	0.023	18.11	18.70	1.146	0.026	/
	State8		Back Side	15	21100	2535	50	High	0.05	0.020	18.11	18.70	1.146	0.023	/
Ant.0	State3	QPSK	Front Side	15	20850	2510	1	Mid	-0.13	0.052	21.35	21.95	1.148	0.060	/
	State3		Back Side	15	20850	2510	1	Mid	-0.07	0.067	21.35	21.95	1.148	0.077	/
	State3		Front Side	15	20850	2510	50	Mid	0.05	0.057	21.26	21.95	1.172	0.067	/
	State3		Back Side	15	20850	2510	50	Mid	-0.10	0.076	21.26	21.95	1.172	0.089	/
Ant.0	State8	QPSK	Front Side	15	20850	2510	1	Mid	0.07	0.049	21.09	21.70	1.151	0.056	/
	State8		Back Side	15	20850	2510	1	Mid	-0.04	0.063	21.09	21.70	1.151	0.073	/
	State8		Front Side	15	20850	2510	50	Mid	0.03	0.054	21.01	21.70	1.172	0.063	/
	State8		Back Side	15	20850	2510	50	Mid	-0.08	0.072	21.01	21.70	1.172	0.084	/
Hotspot															
Ant.3	State3	QPSK	Front Side	10	21350	2560	1	Mid	-0.15	0.160	19.21	19.95	1.186	0.190	/
	State3		Back Side	10	21350	2560	1	Mid	0.15	0.123	19.21	19.95	1.186	0.146	/
	State3		Right Edge	10	21350	2560	1	Mid	0.07	0.079	19.21	19.95	1.186	0.094	/
	State3		Top Edge	10	21350	2560	1	Mid	-0.03	0.247	19.21	19.95	1.186	**0.293**	28#
	State3		Front Side	10	21350	2560	50	Mid	0.01	0.156	19.16	19.95	1.199	0.187	/
	State3		Back Side	10	21350	2560	50	Mid	-0.14	0.120	19.16	19.95	1.199	0.144	/
	State3		Right Edge	10	21350	2560	50	Mid	0.11	0.078	19.16	19.95	1.199	0.094	/
	State3		Top Edge	10	21350	2560	50	Mid	-0.02	0.240	19.16	19.95	1.199	0.288	/
Ant.3	State8	QPSK	Front Side	10	21350	2560	1	Mid	0.09	0.152	18.95	19.70	1.189	0.181	/
	State8		Back Side	10	21350	2560	1	Mid	-0.08	0.116	18.95	19.70	1.189	0.138	/
	State8		Right Edge	10	21350	2560	1	Mid	0.04	0.075	18.95	19.70	1.189	0.089	/
	State8		Top Edge	10	21350	2560	1	Mid	0.16	0.238	18.95	19.70	1.189	0.283	/
	State8		Front Side	10	21350	2560	50	Mid	-0.01	0.147	18.90	19.70	1.202	0.177	/
	State8		Back Side	10	21350	2560	50	Mid	0.02	0.113	18.90	19.70	1.202	0.136	/
	State8		Right Edge	10	21350	2560	50	Mid	-0.07	0.073	18.90	19.70	1.202	0.088	/
	State8		Top Edge	10	21350	2560	50	Mid	0.12	0.233	18.90	19.70	1.202	0.280	/
Ant.4	State3	QPSK	Front Side	10	21350	2560	1	Mid	0.00	0.034	18.80	19.20	1.096	0.037	/
	State3		Back Side	10	21350	2560	1	Mid	-0.01	0.152	18.80	19.20	1.096	0.167	/
	State3		Right Edge	10	21350	2560	1	Mid	0.14	0.084	18.80	19.20	1.096	0.092	/
	State3		Top Edge	10	21350	2560	1	Mid	0.01	0.000	18.80	19.20	1.096	0.000	/
	State3		Front Side	10	21350	2560	50	Mid	0.07	0.038	18.75	19.20	1.109	0.042	/
	State3		Back Side	10	21350	2560	50	Mid	-0.06	0.127	18.75	19.20	1.109	0.141	/
	State3		Right Edge	10	21350	2560	50	Mid	-0.12	0.090	18.75	19.20	1.109	0.100	/
	State3		Top Edge	10	21350	2560	50	Mid	0.16	0.000	18.75	19.20	1.109	0.000	/

Ant.4	State8	QPSK	Front Side	10	21100	2535	1	Mid	-0.06	0.028	18.18	18.70	1.127	0.032	/
	State8		Back Side	10	21100	2535	1	Mid	0.07	0.105	18.18	18.70	1.127	0.118	/
	State8		Right Edge	10	21100	2535	1	Mid	0.02	0.075	18.18	18.70	1.127	0.085	/
	State8		Top Edge	10	21100	2535	1	Mid	-0.09	0.000	18.18	18.70	1.127	0.000	/
	State8		Front Side	10	21100	2535	50	High	0.16	0.018	18.11	18.70	1.146	0.021	/
	State8		Back Side	10	21100	2535	50	High	0.06	0.113	18.11	18.70	1.146	0.129	/
	State8		Right Edge	10	21100	2535	50	High	-0.15	0.080	18.11	18.70	1.146	0.092	/
	State8		Top Edge	10	21100	2535	50	High	-0.13	0.000	18.11	18.70	1.146	0.000	/
Ant.0	State3	QPSK	Front Side	10	20850	2510	1	Mid	0.09	0.102	21.35	21.95	1.148	0.117	/
	State3		Back Side	10	20850	2510	1	Mid	-0.10	0.130	21.35	21.95	1.148	0.149	/
	State3		Left Edge	10	20850	2510	1	Mid	0.08	0.073	21.35	21.95	1.148	0.084	/
	State3		Right Edge	10	20850	2510	1	Mid	0.05	0.025	21.35	21.95	1.148	0.029	/
	State3		Bottom Edge	10	20850	2510	1	Mid	0.00	0.177	21.35	21.95	1.148	0.203	/
	State3		Front Side	10	20850	2510	50	Mid	-0.15	0.115	21.26	21.95	1.172	0.135	/
	State3		Back Side	10	20850	2510	50	Mid	-0.03	0.147	21.26	21.95	1.172	0.172	/
	State3		Left Edge	10	20850	2510	50	Mid	-0.13	0.082	21.26	21.95	1.172	0.096	/
	State3		Right Edge	10	20850	2510	50	Mid	-0.08	0.000	21.26	21.95	1.172	0.000	/
	State3		Bottom Edge	10	20850	2510	50	Mid	0.13	0.162	21.26	21.95	1.172	0.190	/
Ant.0	State8	QPSK	Front Side	10	20850	2510	1	Mid	0.07	0.097	21.09	21.70	1.151	0.112	/
	State8		Back Side	10	20850	2510	1	Mid	0.06	0.123	21.09	21.70	1.151	0.142	/
	State8		Left Edge	10	20850	2510	1	Mid	-0.13	0.069	21.09	21.70	1.151	0.079	/
	State8		Right Edge	10	20850	2510	1	Mid	-0.11	0.024	21.09	21.70	1.151	0.028	/
	State8		Bottom Edge	10	20850	2510	1	Mid	0.02	0.135	21.09	21.70	1.151	0.155	/
	State8		Front Side	10	20850	2510	50	Mid	0.03	0.109	21.01	21.70	1.172	0.128	/
	State8		Back Side	10	20850	2510	50	Mid	-0.08	0.139	21.01	21.70	1.172	0.163	/
	State8		Left Edge	10	20850	2510	50	Mid	0.00	0.078	21.01	21.70	1.172	0.091	/
	State8		Right Edge	10	20850	2510	50	Mid	0.08	0.000	21.01	21.70	1.172	0.000	/
	State8		Bottom Edge	10	20850	2510	50	Mid	-0.09	0.152	21.01	21.70	1.172	0.178	/

11.10 LTE Band 7 Worse case for CA Test

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-CA															
Ant.3	State5&10	QPSK	Right Tilt	0	21350 +21152	2560 +2540.2	1+1	Low +High	0.04	0.835	17.09	18.20	1.291	1.078	/
Body-worn-CA															
Ant.3	State3	QPSK	Front Side	15	21350 +21152	2560 +2540.2	1+1	Low +High	-0.11	0.090	19.00	19.95	1.245	0.112	/
Hotspot-CA															
Ant.3	State3	QPSK	Top Edge	10	21350 +21152	2560 +2540.2	1+1	Low +High	0.05	0.228	19.00	19.95	1.245	0.284	/

11.11 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.1	State5&10	QPSK	Left Cheek	0	23130	711	1	Mid	-0.01	0.562	23.43	24.50	1.279	**0.719**	29#
	State5&10		Left Tilt	0	23130	711	1	Mid	-0.13	0.075	23.43	24.50	1.279	0.096	/
	State5&10		Right Cheek	0	23130	711	1	Mid	-0.08	0.345	23.43	24.50	1.279	0.441	/
	State5&10		Right Tilt	0	23130	711	1	Mid	0.14	0.062	23.43	24.50	1.279	0.079	/
	State5&10		Left Cheek	0	23130	711	25	High	-0.08	0.409	21.97	23.50	1.422	0.582	/
	State5&10		Left Tilt	0	23130	711	25	High	-0.09	0.054	21.97	23.50	1.422	0.077	/
	State5&10		Right Cheek	0	23130	711	25	High	-0.14	0.264	21.97	23.50	1.422	0.375	/
	State5&10		Right Tilt	0	23130	711	25	High	-0.03	0.032	21.97	23.50	1.422	0.046	/
Ant.0	State5&10	QPSK	Left Cheek	0	23130	711	1	Mid	-0.15	0.130	23.28	24.50	1.324	0.172	/
	State5&10		Left Tilt	0	23130	711	1	Mid	-0.03	0.068	23.28	24.50	1.324	0.090	/
	State5&10		Right Cheek	0	23130	711	1	Mid	0.03	0.153	23.28	24.50	1.324	0.203	/
	State5&10		Right Tilt	0	23130	711	1	Mid	0.14	0.057	23.28	24.50	1.324	0.075	/
	State5&10		Left Cheek	0	23130	711	25	Low	-0.14	0.090	21.78	23.50	1.486	0.134	/
	State5&10		Left Tilt	0	23130	711	25	Low	-0.11	0.048	21.78	23.50	1.486	0.071	/
	State5&10		Right Cheek	0	23130	711	25	Low	-0.05	0.104	21.78	23.50	1.486	0.155	/
	State5&10		Right Tilt	0	23130	711	25	Low	-0.06	0.041	21.78	23.50	1.486	0.061	/
Body-worn															
Ant.1	State3	QPSK	Front Side	15	23130	711	1	Mid	-0.08	0.122	23.43	24.50	1.279	0.156	/
	State3		Back Side	15	23130	711	1	Mid	0.10	0.145	23.43	24.50	1.279	0.185	/
	State3		Front Side	15	23130	711	25	High	-0.05	0.088	21.97	23.50	1.422	0.125	/
	State3		Back Side	15	23130	711	25	High	0.11	0.104	21.97	23.50	1.422	0.148	/
Ant.1	State8	QPSK	Front Side	15	23130	711	1	High	0.14	0.102	22.95	24.00	1.274	0.130	/
	State8		Back Side	15	23130	711	1	High	-0.13	0.122	22.95	24.00	1.274	0.155	/
	State8		Front Side	15	23130	711	25	Low	-0.08	0.078	21.94	23.50	1.432	0.112	/
	State8		Back Side	15	23130	711	25	Low	0.07	0.092	21.94	23.50	1.432	0.132	/
Ant.0	State3&8	QPSK	Front Side	15	23130	711	1	Mid	0.06	0.163	23.28	24.50	1.324	0.216	/
	State3&8		Back Side	15	23130	711	1	Mid	0.03	0.178	23.28	24.50	1.324	**0.236**	30#
	State3&8		Front Side	15	23130	711	25	Low	0.09	0.112	21.78	23.50	1.486	0.166	/
	State3&8		Back Side	15	23130	711	25	Low	0.13	0.130	21.78	23.50	1.486	0.193	/
Hotspot															
Ant.1	State3	QPSK	Front Side	10	23130	711	1	Mid	-0.12	0.227	23.43	24.50	1.279	0.290	/
	State3		Back Side	10	23130	711	1	Mid	0.04	0.267	23.43	24.50	1.279	0.341	/
	State3		Right Edge	10	23130	711	1	Mid	-0.02	0.496	23.43	24.50	1.279	**0.634**	31#
	State3		Front Side	10	23130	711	25	High	0.08	0.165	21.97	23.50	1.422	0.235	/
	State3		Back Side	10	23130	711	25	High	0.04	0.195	21.97	23.50	1.422	0.277	/
	State3		Right Edge	10	23130	711	25	High	0.06	0.346	21.97	23.50	1.422	0.492	/

Ant.1	State8	QPSK	Front Side	10	23095	707.5	1	High	0.05	0.202	22.95	24.00	1.274	0.257	/
	State8		Back Side	10	23095	707.5	1	High	0.14	0.234	22.95	24.00	1.274	0.298	/
	State8		Right Edge	10	23095	707.5	1	High	0.14	0.442	22.95	24.00	1.274	0.563	/
	State8		Front Side	10	23095	707.5	25	Low	-0.15	0.147	21.94	23.50	1.432	0.211	/
	State8		Back Side	10	23095	707.5	25	Low	0.03	0.173	21.94	23.50	1.432	0.248	/
	State8		Right Edge	10	23095	707.5	25	Low	0.11	0.308	21.94	23.50	1.432	0.441	/
Ant.0	State3&8	QPSK	Front Side	10	23130	711	1	Low	-0.05	0.145	23.28	24.50	1.324	0.192	/
	State3&8		Back Side	10	23130	711	1	Low	0.02	0.191	23.28	24.50	1.324	0.253	/
	State3&8		Left Edge	10	23130	711	1	Low	-0.01	0.141	23.28	24.50	1.324	0.187	/
	State3&8		Right Edge	10	23130	711	1	Low	0.09	0.202	23.28	24.50	1.324	0.267	/
	State3&8		Bottom Edge	10	23130	711	1	Low	0.08	0.144	23.28	24.50	1.324	0.191	/
	State3&8		Front Side	10	23130	711	25	Low	-0.02	0.100	21.78	23.50	1.486	0.149	/
	State3&8		Back Side	10	23130	711	25	Low	0.00	0.130	21.78	23.50	1.486	0.193	/
	State3&8		Left Edge	10	23130	711	25	Low	0.07	0.097	21.78	23.50	1.486	0.144	/
	State3&8		Right Edge	10	23130	711	25	Low	-0.14	0.137	21.78	23.50	1.486	0.204	/
	State3&8		Bottom Edge	10	23130	711	25	Low	-0.02	0.101	21.78	23.50	1.486	0.150	/

11.12 LTE Band 13 (10MHz Bandwidth)

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1 g Meas SAR(W/kg)	Meas. Power(dBm)	Max. tune-power(dBm)	Scaling Factor	1 g Scaled SAR (W/kg)	Meas. No.
Head															
Ant.1	State5	QPSK	Left Cheek	0	23230	782	1	Mid	0.00	0.728	23.22	24.50	1.343	**0.978**	32#
	State5		Left Tilt	0	23230	782	1	Mid	-0.02	0.101	23.22	24.50	1.343	0.136	/
	State5		Right Cheek	0	23230	782	1	Mid	-0.13	0.428	23.22	24.50	1.343	0.575	/
	State5		Right Tilt	0	23230	782	1	Mid	-0.07	0.074	23.22	24.50	1.343	0.099	/
	State5		Left Cheek	0	23230	782	25	High	0.14	0.510	21.73	23.50	1.503	0.767	/
	State5		Left Tilt	0	23230	782	25	High	0.11	0.070	21.73	23.50	1.503	0.105	/
	State5		Right Cheek	0	23230	782	25	High	0.02	0.305	21.73	23.50	1.503	0.458	/
	State5		Right Tilt	0	23230	782	25	High	0.13	0.051	21.73	23.50	1.503	0.077	/
	State5		Left Cheek	0	23230	782	50	Low	0.12	0.523	21.70	23.50	1.514	0.792	/
Ant.1	State10	QPSK	Left Cheek	0	23230	782	1	Mid	0.01	0.560	22.50	23.75	1.334	0.747	/
	State10		Left Tilt	0	23230	782	1	Mid	0.12	0.084	22.50	23.75	1.334	0.112	/
	State10		Right Cheek	0	23230	782	1	Mid	-0.02	0.352	22.50	23.75	1.334	0.470	/
	State10		Right Tilt	0	23230	782	1	Mid	0.05	0.058	22.50	23.75	1.334	0.077	/
	State10		Left Cheek	0	23230	782	25	High	-0.01	0.511	21.75	23.50	1.496	0.764	/
	State10		Left Tilt	0	23230	782	25	High	0.01	0.064	21.75	23.50	1.496	0.096	/
	State10		Right Cheek	0	23230	782	25	High	0.08	0.298	21.75	23.50	1.496	0.446	/
	State10		Right Tilt	0	23230	782	25	High	-0.15	0.048	21.75	23.50	1.496	0.072	/
	State10		Left Cheek	0	23230	782	25	High	0.12	0.502	21.73	23.50	1.503	0.755	/
Ant.0	State5&10	QPSK	Left Cheek	0	23230	782	1	High	0.16	0.089	23.24	24.50	1.337	0.119	/
	State5&10		Left Tilt	0	23230	782	1	High	-0.03	0.051	23.24	24.50	1.337	0.068	/
	State5&10		Right Cheek	0	23230	782	1	High	-0.06	0.088	23.24	24.50	1.337	0.118	/
	State5&10		Right Tilt	0	23230	782	1	High	0.10	0.048	23.24	24.50	1.337	0.064	/
	State5&10		Left Cheek	0	23230	782	25	High	-0.12	0.063	21.71	23.50	1.510	0.095	/
	State5&10		Left Tilt	0	23230	782	25	High	0.00	0.034	21.71	23.50	1.510	0.051	/
	State5&10		Right Cheek	0	23230	782	25	High	0.06	0.064	21.71	23.50	1.510	0.097	/
	State5&10		Right Tilt	0	23230	782	25	High	0.06	0.025	21.71	23.50	1.510	0.038	/
Body-worn															
Ant.1	State3	QPSK	Front Side	15	23230	782	1	Mid	-0.12	0.178	23.22	24.50	1.343	0.239	/
	State3		Back Side	15	23230	782	1	Mid	-0.01	0.251	23.22	24.50	1.343	**0.337**	33#
	State3		Front Side	15	23230	782	25	High	-0.06	0.141	21.73	23.50	1.503	0.212	/
	State3		Back Side	15	23230	782	25	High	-0.07	0.168	21.73	23.50	1.503	0.253	/
Ant.1	State8	QPSK	Front Side	15	23230	782	1	High	-0.06	0.166	22.73	24.00	1.340	0.222	/
	State8		Back Side	15	23230	782	1	High	-0.10	0.194	22.73	24.00	1.340	0.260	/
	State8		Front Side	15	23230	782	25	Mid	-0.16	0.134	21.73	23.50	1.503	0.201	/
	State8		Back Side	15	23230	782	25	Mid	0.15	0.155	21.73	23.50	1.503	0.233	/
Ant.0	State3&8	QPSK	Front Side	15	23230	782	1	Mid	0.00	0.099	23.24	24.50	1.337	0.132	/

	State3&8		Back Side	15	23230	782	1	Mid	0.02	0.110	23.24	24.50	1.337	0.147	/
	State3&8		Front Side	15	23230	782	25	Mid	-0.03	0.067	21.71	23.50	1.510	0.101	/
	State3&8		Back Side	15	23230	782	25	Mid	0.11	0.073	21.71	23.50	1.510	0.110	/
Hotspot															
Ant.1	State3	QPSK	Front Side	10	23230	782	1	Mid	0.07	0.301	23.22	24.50	1.343	0.404	/
	State3		Back Side	10	23230	782	1	Mid	-0.05	0.359	23.22	24.50	1.343	0.482	/
	State3		Right Edge	10	23230	782	1	Mid	-0.02	0.618	23.22	24.50	1.343	**0.830**	34#
	State3		Front Side	10	23230	782	25	High	-0.10	0.209	21.73	23.50	1.503	0.314	/
	State3		Back Side	10	23230	782	25	High	0.05	0.247	21.73	23.50	1.503	0.371	/
	State3		Right Edge	10	23230	782	25	High	0.13	0.422	21.73	23.50	1.503	0.634	/
	State3		Right Edge	10	23230	782	50	Low	0.14	0.423	21.70	23.50	1.514	0.640	/
Ant.1	State8	QPSK	Front Side	10	23230	782	1	High	-0.05	0.268	22.73	24.00	1.340	0.359	/
	State8		Back Side	10	23230	782	1	High	0.03	0.312	22.73	24.00	1.340	0.418	/
	State8		Right Edge	10	23230	782	1	High	0.11	0.553	22.73	24.00	1.340	0.741	/
	State8		Front Side	10	23230	782	25	Mid	-0.05	0.206	21.73	23.50	1.503	0.310	/
	State8		Back Side	10	23230	782	25	Mid	-0.08	0.248	21.73	23.50	1.503	0.373	/
	State8		Right Edge	10	23230	782	25	Mid	-0.14	0.413	21.73	23.50	1.503	0.621	/
Ant.0	State3&8	QPSK	Front Side	10	23230	782	1	Mid	0.10	0.088	23.24	24.50	1.337	0.118	/
	State3&8		Back Side	10	23230	782	1	Mid	-0.10	0.113	23.24	24.50	1.337	0.151	/
	State3&8		Left Edge	10	23230	782	1	Mid	-0.15	0.074	23.24	24.50	1.337	0.099	/
	State3&8		Right Edge	10	23230	782	1	Mid	-0.12	0.132	23.24	24.50	1.337	0.176	/
	State3&8		Bottom Edge	10	23230	782	1	Mid	-0.13	0.128	23.24	24.50	1.337	0.171	/
	State3&8		Front Side	10	23230	782	25	Mid	-0.05	0.060	21.71	23.50	1.510	0.091	/
	State3&8		Back Side	10	23230	782	25	Mid	0.06	0.076	21.71	23.50	1.510	0.115	/
	State3&8		Left Edge	10	23230	782	25	Mid	0.13	0.049	21.71	23.50	1.510	0.074	/
	State3&8		Right Edge	10	23230	782	25	Mid	0.01	0.083	21.71	23.50	1.510	0.125	/
	State3&8		Bottom Edge	10	23230	782	25	Mid	0.05	0.089	21.71	23.50	1.510	0.134	/

11.13 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.1	State5&10	QPSK	Left Cheek	0	23800	711	1	High	0.00	0.542	23.48	24.50	1.265	**0.686**	35#
	State5&10		Left Tilt	0	23800	711	1	High	0.05	0.072	23.48	24.50	1.265	0.091	/
	State5&10		Right Cheek	0	23800	711	1	High	0.16	0.330	23.48	24.50	1.265	0.417	/
	State5&10		Right Tilt	0	23800	711	1	High	0.09	0.057	23.48	24.50	1.265	0.072	/
	State5&10		Left Cheek	0	23800	711	25	High	-0.03	0.403	21.96	23.50	1.426	0.575	/
	State5&10		Left Tilt	0	23800	711	25	High	0.07	0.046	21.96	23.50	1.426	0.066	/
	State5&10		Right Cheek	0	23800	711	25	High	0.01	0.253	21.96	23.50	1.426	0.361	/
	State5&10		Right Tilt	0	23800	711	25	High	-0.08	0.000	21.96	23.50	1.426	0.000	/
Ant.0	State5&10	QPSK	Left Cheek	0	23800	711	1	High	-0.10	0.064	23.40	24.50	1.288	0.082	/
	State5&10		Left Tilt	0	23800	711	1	High	0.08	0.000	23.40	24.50	1.288	0.000	/
	State5&10		Right Cheek	0	23800	711	1	High	-0.05	0.063	23.40	24.50	1.288	0.081	/
	State5&10		Right Tilt	0	23800	711	1	High	0.03	0.000	23.40	24.50	1.288	0.000	/
	State5&10		Left Cheek	0	23800	711	25	High	0.09	0.044	21.88	23.50	1.452	0.064	/
	State5&10		Left Tilt	0	23800	711	25	High	-0.06	0.000	21.88	23.50	1.452	0.000	/
	State5&10		Right Cheek	0	23800	711	25	High	0.01	0.041	21.88	23.50	1.452	0.060	/
	State5&10		Right Tilt	0	23800	711	25	High	0.06	0.000	21.88	23.50	1.452	0.000	/
Body-worn															
Ant.1	State3&8	QPSK	Front Side	15	23800	711	1	High	-0.06	0.125	23.48	24.50	1.265	0.158	/
	State3&8		Back Side	15	23800	711	1	High	-0.08	0.146	23.48	24.50	1.265	0.185	/
	State3&8		Front Side	15	23800	711	25	High	-0.02	0.091	21.96	23.50	1.426	0.130	/
	State3&8		Back Side	15	23800	711	25	High	-0.14	0.106	21.96	23.50	1.426	0.151	/
Ant.0	State3&8	QPSK	Front Side	15	23800	711	1	High	0.15	0.152	23.40	24.50	1.288	0.196	/
	State3&8		Back Side	15	23800	711	1	High	0.02	0.174	23.40	24.50	1.288	**0.224**	36#
	State3&8		Front Side	15	23800	711	25	High	-0.15	0.112	21.88	23.50	1.452	0.163	/
	State3&8		Back Side	15	23800	711	25	High	-0.01	0.130	21.88	23.50	1.452	0.189	/
Hotspot															
Ant.1	State3&8	QPSK	Front Side	10	23800	711	1	High	0.00	0.228	23.48	24.50	1.265	0.288	/
	State3&8		Back Side	10	23800	711	1	High	-0.05	0.263	23.48	24.50	1.265	0.333	/
	State3&8		Right Edge	10	23800	711	1	High	-0.02	0.485	23.48	24.50	1.265	**0.614**	37#
	State3&8		Front Side	10	23800	711	25	High	-0.07	0.168	21.96	23.50	1.426	0.240	/
	State3&8		Back Side	10	23800	711	25	High	0.07	0.193	21.96	23.50	1.426	0.275	/
	State3&8		Right Edge	10	23800	711	25	High	0.12	0.340	21.96	23.50	1.426	0.485	/
Ant.0	State3&8	QPSK	Front Side	10	23800	711	1	High	-0.06	0.146	23.40	24.50	1.288	0.188	/
	State3&8		Back Side	10	23800	711	1	High	0.10	0.190	23.40	24.50	1.288	0.245	/
	State3&8		Left Edge	10	23800	711	1	High	-0.14	0.138	23.40	24.50	1.288	0.178	/
	State3&8		Right Edge	10	23800	711	1	High	0.16	0.195	23.40	24.50	1.288	0.251	/

	State3&8		Bottom Edge	10	23800	711	1	High	0.16	0.132	23.40	24.50	1.288	0.170	/
	State3&8		Front Side	10	23800	711	25	High	0.12	0.100	21.88	23.50	1.452	0.145	/
	State3&8		Back Side	10	23800	711	25	High	0.16	0.131	21.88	23.50	1.452	0.190	/
	State3&8		Left Edge	10	23800	711	25	High	0.04	0.094	21.88	23.50	1.452	0.136	/
	State3&8		Right Edge	10	23800	711	25	High	0.07	0.133	21.88	23.50	1.452	0.193	/
	State3&8		Bottom Edge	10	23800	711	25	High	0.03	0.090	21.88	23.50	1.452	0.131	/

11.14 LTE Band 26 (15MHz Bandwidth)

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1 g Meas SAR(W/kg)	Meas. Power(dBm)	Max. tune-power(dBm)	Scaling Factor	1 g Scaled SAR (W/kg)	Meas. No.
Head															
Ant.1	State5	QPSK	Left Cheek	0	26965	841.5	1	Low	0.00	0.743	22.27	23.50	1.327	**0.986**	38#
	State5		Left Tilt	0	26965	841.5	1	Low	-0.13	0.092	22.27	23.50	1.327	0.122	/
	State5		Right Cheek	0	26965	841.5	1	Low	-0.11	0.430	22.27	23.50	1.327	0.571	/
	State5		Right Tilt	0	26965	841.5	1	Low	-0.11	0.076	22.27	23.50	1.327	0.101	/
	State5		Left Cheek	0	26965	841.5	36	Mid	-0.06	0.639	21.25	23.00	1.496	0.956	/
	State5		Left Tilt	0	26965	841.5	36	Mid	0.13	0.079	21.25	23.00	1.496	0.118	/
	State5		Right Cheek	0	26965	841.5	36	Mid	-0.08	0.376	21.25	23.00	1.496	0.562	/
	State5		Right Tilt	0	26965	841.5	36	Mid	-0.15	0.065	21.25	23.00	1.496	0.097	/
	State5		Left Cheek	0	26765	821.5	1	Mid	0.01	0.716	22.22	23.50	1.343	0.962	/
	State5		Left Cheek	0	26865	831.5	1	High	-0.02	0.711	22.27	23.50	1.327	0.943	/
	State5		Left Cheek	0	26765	821.5	36	Low	0.10	0.624	21.24	23.00	1.500	0.936	/
	State5		Left Cheek	0	26865	831.5	36	Mid	0.06	0.618	21.24	23.00	1.500	0.927	/
	State5		Left Cheek	0	26965	841.5	75	Low	-0.04	0.611	21.29	23.00	1.483	0.906	/
Ant.1	State10	QPSK	Left Cheek	0	26865	831.5	1	Mid	-0.04	0.521	20.82	22.00	1.312	0.684	/
	State10		Left Tilt	0	26865	831.5	1	Mid	-0.07	0.063	20.82	22.00	1.312	0.083	/
	State10		Right Cheek	0	26865	831.5	1	Mid	-0.05	0.308	20.82	22.00	1.312	0.404	/
	State10		Right Tilt	0	26865	831.5	1	Mid	-0.07	0.051	20.82	22.00	1.312	0.067	/
	State10		Left Cheek	0	26965	841.5	36	Low	0.10	0.482	20.74	22.00	1.337	0.644	/
	State10		Left Tilt	0	26965	841.5	36	Low	0.16	0.059	20.74	22.00	1.337	0.079	/
	State10		Right Cheek	0	26965	841.5	36	Low	0.03	0.286	20.74	22.00	1.337	0.382	/
	State10		Right Tilt	0	26965	841.5	36	Low	0.06	0.048	20.74	22.00	1.337	0.064	/
Ant.0	State5&10	QPSK	Left Cheek	0	26865	831.5	1	Mid	0.00	0.077	22.74	24.00	1.337	0.103	/
	State5&10		Left Tilt	0	26865	831.5	1	Mid	-0.15	0.045	22.74	24.00	1.337	0.060	/
	State5&10		Right Cheek	0	26865	831.5	1	Mid	0.16	0.068	22.74	24.00	1.337	0.091	/
	State5&10		Right Tilt	0	26865	831.5	1	Mid	0.00	0.000	22.74	24.00	1.337	0.000	/
	State5&10		Left Cheek	0	26865	831.5	36	Mid	0.14	0.060	21.67	23.00	1.358	0.081	/
	State5&10		Left Tilt	0	26865	831.5	36	Mid	-0.10	0.000	21.67	23.00	1.358	0.000	/
	State5&10		Right Cheek	0	26865	831.5	36	Mid	0.16	0.051	21.67	23.00	1.358	0.069	/
	State5&10		Right Tilt	0	26865	831.5	36	Mid	-0.05	0.000	21.67	23.00	1.358	0.000	/
Body-worn															
Ant.1	State3&8	QPSK	Front Side	15	26965	841.5	1	High	-0.01	0.215	22.73	24.00	1.340	0.288	/
	State3&8		Back Side	15	26965	841.5	1	High	-0.01	0.269	22.73	24.00	1.340	**0.360**	39#
	State3&8		Front Side	15	26965	841.5	36	High	-0.05	0.170	21.71	23.00	1.346	0.229	/
	State3&8		Back Side	15	26965	841.5	36	High	0.12	0.211	21.71	23.00	1.346	0.284	/
Ant.0	State3&8	QPSK	Front Side	15	26865	831.5	1	Mid	-0.12	0.103	22.74	24.00	1.337	0.138	/
	State3&8		Back Side	15	26865	831.5	1	Mid	0.14	0.105	22.74	24.00	1.337	0.140	/

	State3&8		Front Side	15	26865	831.5	36	Mid	-0.04	0.079	21.67	23.00	1.358	0.107	/
	State3&8		Back Side	15	26865	831.5	36	Mid	-0.11	0.080	21.67	23.00	1.358	0.109	/
Hotspot															
Ant.1	State3&8	QPSK	Front Side	10	26965	841.5	1	High	-0.07	0.289	22.73	24.00	1.340	0.387	/
	State3&8		Back Side	10	26965	841.5	1	High	0.05	0.323	22.73	24.00	1.340	0.433	/
	State3&8		Right Edge	10	26965	841.5	1	High	0.02	0.614	22.73	24.00	1.340	**0.823**	40#
	State3&8		Front Side	10	26965	841.5	36	High	-0.08	0.245	21.71	23.00	1.346	0.330	/
	State3&8		Back Side	10	26965	841.5	36	High	0.00	0.277	21.71	23.00	1.346	0.373	/
	State3&8		Right Edge	10	26965	841.5	36	High	0.06	0.429	21.71	23.00	1.346	0.577	/
	State3&8		Right Edge	10	26765	821.5	1	High	-0.04	0.389	22.68	24.00	1.355	0.527	/
	State3&8		Right Edge	10	26865	831.5	1	Mid	-0.01	0.511	22.72	24.00	1.343	0.686	/
	State3&8		Right Edge	10	26765	821.5	36	High	-0.13	0.329	21.67	23.00	1.358	0.447	/
	State3&8		Right Edge	10	26865	831.5	36	Mid	0.02	0.495	21.66	23.00	1.361	0.674	/
	State3&8		Right Edge	10	26965	841.5	75	Low	0.06	0.455	21.72	23.00	1.343	0.611	/
Ant.0	State3&8	QPSK	Front Side	10	26865	831.5	1	Mid	0.02	0.118	22.74	24.00	1.337	0.158	/
	State3&8		Back Side	10	26865	831.5	1	Mid	0.05	0.127	22.74	24.00	1.337	0.170	/
	State3&8		Left Edge	10	26865	831.5	1	Mid	-0.15	0.069	22.74	24.00	1.337	0.092	/
	State3&8		Right Edge	10	26865	831.5	1	Mid	-0.01	0.090	22.74	24.00	1.337	0.120	/
	State3&8		Bottom Edge	10	26865	831.5	1	Mid	0.04	0.159	22.74	24.00	1.337	0.213	/
	State3&8		Front Side	10	26865	831.5	36	Mid	0.03	0.093	21.67	23.00	1.358	0.126	/
	State3&8		Back Side	10	26865	831.5	36	Mid	-0.15	0.101	21.67	23.00	1.358	0.137	/
	State3&8		Left Edge	10	26865	831.5	36	Mid	0.06	0.054	21.67	23.00	1.358	0.073	/
	State3&8		Right Edge	10	26865	831.5	36	Mid	-0.05	0.069	21.67	23.00	1.358	0.094	/
	State3&8		Bottom Edge	10	26865	831.5	36	Mid	0.14	0.128	21.67	23.00	1.358	0.174	/

11.15 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.3	State5	QPSK	Left Cheek	0	132322	1745	1	High	-0.05	0.412	18.48	19.00	1.127	0.464	/
	State5		Left Tilt	0	132322	1745	1	High	0.01	0.402	18.48	19.00	1.127	0.453	/
	State5		Right Cheek	0	132322	1745	1	High	0.08	0.748	18.48	19.00	1.127	0.843	/
	State5		Right Tilt	0	132322	1745	1	High	0.09	0.634	18.48	19.00	1.127	0.715	/
	State5		Left Cheek	0	132322	1745	50	Mid	0.02	0.419	18.46	19.00	1.132	0.474	/
	State5		Left Tilt	0	132322	1745	50	Mid	0.04	0.412	18.46	19.00	1.132	0.466	/
	State5		Right Cheek	0	132322	1745	50	Mid	-0.04	0.738	18.46	19.00	1.132	0.835	/
	State5		Right Tilt	0	132322	1745	50	Mid	0.05	0.722	18.46	19.00	1.132	0.817	/
	State5		Right Cheek	0	132072	1720	1	High	0.16	0.711	18.45	19.00	1.135	0.807	/
	State5		Right Cheek	0	132572	1770	1	Low	0.00	0.763	18.29	19.00	1.178	**0.899**	41#
	State5		Right Cheek	0	132072	1720	50	High	0.02	0.731	18.43	19.00	1.140	0.833	/
	State5		Right Cheek	0	132572	1770	50	Low	-0.07	0.705	18.25	19.00	1.189	0.838	/
	State5		Right Cheek	0	132322	1745	100	Low	-0.13	0.716	18.40	19.00	1.148	0.822	/
Ant.3	State10	QPSK	Left Cheek	0	132322	1745	1	High	-0.01	0.327	17.48	18.00	1.127	0.369	/
	State10		Left Tilt	0	132322	1745	1	High	0.08	0.311	17.48	18.00	1.127	0.350	/
	State10		Right Cheek	0	132322	1745	1	High	0.16	0.568	17.48	18.00	1.127	0.640	/
	State10		Right Tilt	0	132322	1745	1	High	0.04	0.502	17.48	18.00	1.127	0.566	/
	State10		Left Cheek	0	132322	1745	50	Mid	-0.09	0.333	17.45	18.00	1.135	0.378	/
	State10		Left Tilt	0	132322	1745	50	Mid	-0.13	0.315	17.45	18.00	1.135	0.358	/
	State10		Right Cheek	0	132322	1745	50	Mid	0.14	0.568	17.45	18.00	1.135	0.645	/
	State10		Right Tilt	0	132322	1745	50	Mid	-0.07	0.574	17.45	18.00	1.135	0.651	/
Ant.0	State5	QPSK	Left Cheek	0	132572	1770	1	Low	-0.16	0.104	22.19	23.50	1.352	0.141	/
	State5		Left Tilt	0	132572	1770	1	Low	0.10	0.049	22.19	23.50	1.352	0.066	/
	State5		Right Cheek	0	132572	1770	1	Low	-0.02	0.104	22.19	23.50	1.352	0.141	/
	State5		Right Tilt	0	132572	1770	1	Low	0.12	0.051	22.19	23.50	1.352	0.069	/
	State5		Left Cheek	0	132572	1770	50	High	0.11	0.082	21.55	23.00	1.396	0.114	/
	State5		Left Tilt	0	132572	1770	50	High	0.01	0.043	21.55	23.00	1.396	0.060	/
	State5		Right Cheek	0	132572	1770	50	High	-0.15	0.086	21.55	23.00	1.396	0.120	/
	State5		Right Tilt	0	132572	1770	50	High	-0.15	0.043	21.55	23.00	1.396	0.060	/
Ant.0	State10	QPSK	Left Cheek	0	132322	1745	1	Low	0.01	0.087	21.38	22.75	1.371	0.119	/
	State10		Left Tilt	0	132322	1745	1	Low	-0.13	0.041	21.38	22.75	1.371	0.056	/
	State10		Right Cheek	0	132322	1745	1	Low	-0.07	0.082	21.38	22.75	1.371	0.112	/
	State10		Right Tilt	0	132322	1745	1	Low	-0.11	0.040	21.38	22.75	1.371	0.055	/
	State10		Left Cheek	0	132322	1745	50	High	-0.16	0.068	21.28	22.75	1.403	0.095	/
	State10		Left Tilt	0	132322	1745	50	High	0.05	0.036	21.28	22.75	1.403	0.051	/
	State10		Right Cheek	0	132322	1745	50	High	0.12	0.072	21.28	22.75	1.403	0.101	/

	State10		Right Tilt	0	132322	1745	50	High	-0.16	0.036	21.28	22.75	1.403	0.051	/
Body-worn															
Ant.3	State3	QPSK	Front Side	15	132572	1770	1	High	0.11	0.151	21.56	22.00	1.107	0.167	/
	State3		Back Side	15	132572	1770	1	High	-0.04	0.144	21.56	22.00	1.107	0.159	/
	State3		Front Side	15	132572	1770	50	Mid	-0.07	0.156	21.49	22.00	1.125	0.176	/
	State3		Back Side	15	132572	1770	50	Mid	0.02	0.147	21.49	22.00	1.125	0.165	/
Ant.3	State8	QPSK	Front Side	15	132572	1770	1	Low	-0.13	0.143	21.23	21.75	1.127	0.161	/
	State8		Back Side	15	132572	1770	1	Low	-0.02	0.136	21.23	21.75	1.127	0.153	/
	State8		Front Side	15	132572	1770	50	High	0.16	0.148	21.22	21.75	1.130	0.167	/
	State8		Back Side	15	132572	1770	50	High	0.09	0.139	21.22	21.75	1.130	0.157	/
Ant.0	State3	QPSK	Front Side	15	132572	1770	1	High	0.16	0.135	20.73	21.25	1.127	0.152	/
	State3		Back Side	15	132572	1770	1	High	0.00	0.222	20.73	21.25	1.127	**0.250**	42#
	State3		Front Side	15	132572	1770	50	High	0.10	0.138	20.57	21.25	1.169	0.161	/
	State3		Back Side	15	132572	1770	50	High	0.01	0.205	20.57	21.25	1.169	0.240	/
Ant.0	State8	QPSK	Front Side	15	132322	1745	1	High	-0.05	0.121	20.23	20.75	1.127	0.136	/
	State8		Back Side	15	132322	1745	1	High	0.14	0.178	20.23	20.75	1.127	0.201	/
	State8		Front Side	15	132322	1745	50	High	0.01	0.123	20.08	20.75	1.167	0.144	/
	State8		Back Side	15	132322	1745	50	High	0.07	0.175	20.08	20.75	1.167	0.204	/
Hotspot															
Ant.3	State3	QPSK	Front Side	10	132572	1770	1	High	-0.10	0.321	21.56	22.00	1.107	0.355	/
	State3		Back Side	10	132572	1770	1	High	0.12	0.299	21.56	22.00	1.107	0.331	/
	State3		Right Edge	10	132572	1770	1	High	0.00	0.114	21.56	22.00	1.107	0.126	/
	State3		Top Edge	10	132572	1770	1	High	0.02	0.402	21.56	22.00	1.107	0.445	/
	State3		Front Side	10	132572	1770	50	Mid	-0.15	0.305	21.49	22.00	1.125	0.343	/
	State3		Back Side	10	132572	1770	50	Mid	0.06	0.282	21.49	22.00	1.125	0.317	/
	State3		Right Edge	10	132572	1770	50	Mid	0.12	0.102	21.49	22.00	1.125	0.115	/
	State3		Top Edge	10	132572	1770	50	Mid	0.08	0.389	21.49	22.00	1.125	0.438	/
Ant.3	State8	QPSK	Front Side	10	132572	1770	1	Low	-0.04	0.303	21.23	21.75	1.127	0.341	/
	State8		Back Side	10	132572	1770	1	Low	-0.13	0.282	21.23	21.75	1.127	0.318	/
	State8		Right Edge	10	132572	1770	1	Low	-0.06	0.107	21.23	21.75	1.127	0.121	/
	State8		Top Edge	10	132572	1770	1	Low	0.13	0.394	21.23	21.75	1.127	0.444	/
	State8		Front Side	10	132572	1770	50	High	0.11	0.301	21.22	21.75	1.130	0.340	/
	State8		Back Side	10	132572	1770	50	High	0.06	0.278	21.22	21.75	1.130	0.314	/
	State8		Right Edge	10	132572	1770	50	High	0.14	0.102	21.22	21.75	1.130	0.115	/
	State8		Top Edge	10	132572	1770	50	High	-0.08	0.382	21.22	21.75	1.130	0.432	/
Ant.0	State3	QPSK	Front Side	10	132572	1770	1	High	0.02	0.250	20.73	21.25	1.127	0.282	/
	State3		Back Side	10	132572	1770	1	High	-0.15	0.336	20.73	21.25	1.127	0.379	/
	State3		Left Edge	10	132572	1770	1	High	-0.15	0.096	20.73	21.25	1.127	0.108	/
	State3		Right Edge	10	132572	1770	1	High	0.14	0.046	20.73	21.25	1.127	0.052	/
	State3		Bottom Edge	10	132572	1770	1	High	0.01	0.606	20.73	21.25	1.127	**0.683**	43#
	State3		Front Side	10	132572	1770	50	High	-0.08	0.245	20.57	21.25	1.169	0.286	/
	State3		Back Side	10	132572	1770	50	High	0.05	0.321	20.57	21.25	1.169	0.375	/
	State3		Left Edge	10	132572	1770	50	High	-0.12	0.087	20.57	21.25	1.169	0.102	/

	State3		Right Edge	10	132572	1770	50	High	-0.05	0.045	20.57	21.25	1.169	0.053	/
	State3		Bottom Edge	10	132572	1770	50	High	0.15	0.568	20.57	21.25	1.169	0.664	/
Ant.0	State8	QPSK	Front Side	10	132322	1745	1	High	0.14	0.222	20.23	20.75	1.127	0.250	/
	State8		Back Side	10	132322	1745	1	High	0.13	0.293	20.23	20.75	1.127	0.330	/
	State8		Left Edge	10	132322	1745	1	High	0.07	0.085	20.23	20.75	1.127	0.096	/
	State8		Right Edge	10	132322	1745	1	High	-0.04	0.040	20.23	20.75	1.127	0.045	/
	State8		Bottom Edge	10	132322	1745	1	High	-0.14	0.479	20.23	20.75	1.127	0.540	/
	State8		Front Side	10	132322	1745	50	High	-0.13	0.218	20.08	20.75	1.167	0.254	/
	State8		Back Side	10	132322	1745	50	High	-0.07	0.286	20.08	20.75	1.167	0.334	/
	State8		Left Edge	10	132322	1745	50	High	0.13	0.077	20.08	20.75	1.167	0.090	/
	State8		Right Edge	10	132322	1745	50	High	-0.06	0.035	20.08	20.75	1.167	0.041	/
	State8		Bottom Edge	10	132322	1745	50	High	0.07	0.468	20.08	20.75	1.167	0.546	/

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	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	State3	QPSK	Bottom Edge	0	132572	1770	1	High	-0.02	1.730	20.73	21.25	1.127	**1.950**	44#
	State3		Bottom Edge	0	132572	1770	50	High	0.09	1.650	20.57	21.25	1.169	1.929	/
Ant.0	State8	QPSK	Bottom Edge	0	132572	1770	1	High	0.08	1.510	20.23	20.75	1.127	1.702	/
	State8		Bottom Edge	0	132572	1770	50	Mid	0.10	1.420	20.08	20.75	1.167	1.657	/

11.16 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.3	State5&10	QPSK	Left Cheek	0	38000	2595	1	Mid	0.11	0.342	18.93	20.00	1.279	0.437	/
	State5&10		Left Tilt	0	38000	2595	1	Mid	0.04	0.421	18.93	20.00	1.279	0.538	/
	State5&10		Right Cheek	0	38000	2595	1	Mid	-0.12	0.715	18.93	20.00	1.279	0.914	/
	State5&10		Right Tilt	0	38000	2595	1	Mid	0.06	0.771	18.93	20.00	1.279	0.986	/
	State5&10		Left Cheek	0	38000	2595	50	Low	-0.04	0.359	18.90	20.00	1.288	0.462	/
	State5&10		Left Tilt	0	38000	2595	50	Low	0.10	0.401	18.90	20.00	1.288	0.516	/
	State5&10		Right Cheek	0	38000	2595	50	Low	0.05	0.712	18.90	20.00	1.288	0.917	/
	State5&10		Right Tilt	0	38000	2595	50	Low	0.02	0.752	18.90	20.00	1.288	0.969	/
	State5&10		Right Cheek	0	37850	2580	1	Low	0.03	0.709	18.82	20.00	1.312	0.930	/
	State5&10		Right Cheek	0	38150	2610	1	High	-0.05	0.741	18.81	20.00	1.315	0.974	/
	State5&10		Right Cheek	0	37850	2580	50	Mid	0.04	0.725	18.83	20.00	1.309	0.949	/
	State5&10		Right Cheek	0	38150	2610	50	Low	-0.10	0.714	18.76	20.00	1.330	0.950	/
	State5&10		Right Cheek	0	38000	2595	100	Low	0.03	0.715	18.85	20.00	1.303	0.932	/
	State5&10		Right Tilt	0	37850	2580	1	Low	0.00	0.792	18.82	20.00	1.312	1.039	/
	State5&10		Right Tilt	0	38150	2610	1	High	-0.03	0.897	18.81	20.00	1.315	**1.180**	45#
	State5&10		Right Tilt	0	37850	2580	50	Mid	-0.06	0.815	18.83	20.00	1.309	1.067	/
	State5&10		Right Tilt	0	38150	2610	50	Low	-0.09	0.822	18.76	20.00	1.330	1.093	/
	State5&10		Right Tilt	0	38000	2595	100	Low	0.14	0.802	18.85	20.00	1.303	1.045	/
Ant.4	State5&10	QPSK	Left Cheek	0	37850	2580	1	Mid	0.03	0.045	22.52	23.00	1.117	0.050	/
	State5&10		Left Tilt	0	37850	2580	1	Mid	0.16	0.000	22.52	23.00	1.117	0.000	/
	State5&10		Right Cheek	0	37850	2580	1	Mid	-0.14	0.089	22.52	23.00	1.117	0.099	/
	State5&10		Right Tilt	0	37850	2580	1	Mid	-0.06	0.059	22.52	23.00	1.117	0.066	/
	State5&10		Left Cheek	0	37850	2580	50	Low	-0.11	0.038	21.42	22.00	1.143	0.043	/
	State5&10		Left Tilt	0	37850	2580	50	Low	-0.02	0.000	21.42	22.00	1.143	0.000	/
	State5&10		Right Cheek	0	37850	2580	50	Low	-0.09	0.071	21.42	22.00	1.143	0.081	/
	State5&10		Right Tilt	0	37850	2580	50	Low	0.00	0.048	21.42	22.00	1.143	0.055	/
Ant.0	State5&10	QPSK	Left Cheek	0	37850	2580	1	Mid	0.06	0.028	23.38	24.00	1.153	0.032	/
	State5&10		Left Tilt	0	37850	2580	1	Mid	-0.13	0.019	23.38	24.00	1.153	0.022	/
	State5&10		Right Cheek	0	37850	2580	1	Mid	-0.06	0.042	23.38	24.00	1.153	0.048	/
	State5&10		Right Tilt	0	37850	2580	1	Mid	-0.08	0.025	23.38	24.00	1.153	0.029	/
	State5&10		Left Cheek	0	37850	2580	50	Mid	0.05	0.026	22.27	23.00	1.183	0.031	/
	State5&10		Left Tilt	0	37850	2580	50	Mid	-0.07	0.018	22.27	23.00	1.183	0.021	/
	State5&10		Right Cheek	0	37850	2580	50	Mid	0.15	0.038	22.27	23.00	1.183	0.045	/
	State5&10		Right Tilt	0	37850	2580	50	Mid	0.02	0.023	22.27	23.00	1.183	0.027	/
Body-worn															
Ant.3	State3	QPSK	Front Side	15	38150	2610	1	Mid	0.04	0.101	20.67	21.75	1.282	**0.129**	46#

	State3		Back Side	15	38150	2610	1	Mid	-0.03	0.073	20.67	21.75	1.282	0.094	/
	State3		Front Side	15	38150	2610	50	Mid	-0.16	0.093	20.60	21.75	1.303	0.121	/
	State3		Back Side	15	38150	2610	50	Mid	0.16	0.078	20.60	21.75	1.303	0.102	/
Ant.3	State8	QPSK	Front Side	15	38150	2610	1	Mid	-0.06	0.089	20.42	21.50	1.282	0.114	/
	State8		Back Side	15	38150	2610	1	Mid	0.16	0.069	20.42	21.50	1.282	0.088	/
	State8		Front Side	15	38150	2610	50	Mid	0.03	0.088	20.34	21.50	1.306	0.115	/
	State8		Back Side	15	38150	2610	50	Mid	0.02	0.074	20.34	21.50	1.306	0.097	/
Ant.4	State3	QPSK	Front Side	15	37850	2580	1	Mid	-0.11	0.012	22.52	23.00	1.117	0.013	/
	State3		Back Side	15	37850	2580	1	Mid	0.14	0.094	22.52	23.00	1.117	0.105	/
	State3		Front Side	15	37850	2580	50	Low	0.15	0.011	21.42	22.00	1.143	0.013	/
	State3		Back Side	15	37850	2580	50	Low	-0.01	0.075	21.42	22.00	1.143	0.086	/
Ant.4	State8	QPSK	Front Side	15	37850	2580	1	Low	0.13	0.010	22.13	22.75	1.153	0.012	/
	State8		Back Side	15	37850	2580	1	Low	-0.04	0.089	22.13	22.75	1.153	0.103	/
	State8		Front Side	15	37850	2580	50	Low	0.06	0.010	21.30	22.00	1.175	0.012	/
	State8		Back Side	15	37850	2580	50	Low	0.05	0.075	21.30	22.00	1.175	0.088	/
Ant.0	State3&8	QPSK	Front Side	15	37850	2580	1	Mid	-0.02	0.071	23.38	24.00	1.153	0.082	/
	State3&8		Back Side	15	37850	2580	1	Mid	0.16	0.089	23.38	24.00	1.153	0.103	/
	State3&8		Front Side	15	37850	2580	50	Mid	0.03	0.055	22.27	23.00	1.183	0.065	/
	State3&8		Back Side	15	37850	2580	50	Mid	-0.16	0.070	22.27	23.00	1.183	0.083	/
Hotspot															
Ant.3	State3	QPSK	Front Side	10	38150	2610	1	Mid	0.08	0.195	20.67	21.75	1.282	0.250	/
	State3		Back Side	10	38150	2610	1	Mid	-0.09	0.166	20.67	21.75	1.282	0.213	/
	State3		Right Edge	10	38150	2610	1	Mid	-0.08	0.088	20.67	21.75	1.282	0.113	/
	State3		Top Edge	10	38150	2610	1	Mid	0.03	0.294	20.67	21.75	1.282	**0.377**	47#
	State3		Front Side	10	38150	2610	50	Mid	-0.04	0.195	20.60	21.75	1.303	0.254	/
	State3		Back Side	10	38150	2610	50	Mid	0.00	0.164	20.60	21.75	1.303	0.214	/
	State3		Right Edge	10	38150	2610	50	Mid	-0.16	0.090	20.60	21.75	1.303	0.117	/
	State3		Top Edge	10	38150	2610	50	Mid	-0.02	0.288	20.60	21.75	1.303	0.375	/
Ant.3	State8	QPSK	Front Side	10	38150	2610	1	Mid	0.00	0.155	20.42	21.50	1.282	0.199	/
	State8		Back Side	10	38150	2610	1	Mid	0.14	0.131	20.42	21.50	1.282	0.168	/
	State8		Right Edge	10	38150	2610	1	Mid	-0.15	0.070	20.42	21.50	1.282	0.090	/
	State8		Top Edge	10	38150	2610	1	Mid	-0.04	0.278	20.42	21.50	1.282	0.356	/
	State8		Front Side	10	38150	2610	50	Mid	0.13	0.155	20.34	21.50	1.306	0.202	/
	State8		Back Side	10	38150	2610	50	Mid	0.00	0.130	20.34	21.50	1.306	0.170	/
	State8		Right Edge	10	38150	2610	50	Mid	0.05	0.071	20.34	21.50	1.306	0.093	/
	State8		Top Edge	10	38150	2610	50	Mid	-0.04	0.275	20.34	21.50	1.306	0.359	/
Ant.4	State3	QPSK	Front Side	10	37850	2580	1	Mid	0.04	0.000	22.52	23.00	1.117	0.000	/
	State3		Back Side	10	37850	2580	1	Mid	0.05	0.161	22.52	23.00	1.117	0.180	/
	State3		Right Edge	10	37850	2580	1	Mid	0.05	0.262	22.52	23.00	1.117	0.293	/
	State3		Top Edge	10	37850	2580	1	Mid	0.06	0.000	22.52	23.00	1.117	0.000	/
	State3		Front Side	10	37850	2580	50	Low	0.08	0.000	21.42	22.00	1.143	0.000	/
	State3		Back Side	10	37850	2580	50	Low	0.08	0.127	21.42	22.00	1.143	0.145	/

	State3		Right Edge	10	37850	2580	50	Low	-0.04	0.208	21.42	22.00	1.143	0.238	/
	State3		Top Edge	10	37850	2580	50	Low	-0.09	0.000	21.42	22.00	1.143	0.000	/
Ant.4	State8	QPSK	Front Side	10	37850	2580	1	Low	-0.14	0.000	22.13	22.75	1.153	0.000	/
	State8		Back Side	10	37850	2580	1	Low	-0.14	0.152	22.13	22.75	1.153	0.175	/
	State8		Right Edge	10	37850	2580	1	Low	0.12	0.226	22.13	22.75	1.153	0.261	/
	State8		Top Edge	10	37850	2580	1	Low	0.00	0.000	22.13	22.75	1.153	0.000	/
	State8		Front Side	10	37850	2580	50	Low	0.03	0.000	21.30	22.00	1.175	0.000	/
	State8		Back Side	10	37850	2580	50	Low	-0.09	0.127	21.30	22.00	1.175	0.149	/
	State8		Right Edge	10	37850	2580	50	Low	0.05	0.208	21.30	22.00	1.175	0.244	/
	State8		Top Edge	10	37850	2580	50	Low	-0.04	0.000	21.30	22.00	1.175	0.000	/
Ant.0	State3&8	QPSK	Front Side	10	37850	2580	1	Mid	-0.03	0.142	23.38	24.00	1.153	0.164	/
	State3&8		Back Side	10	37850	2580	1	Mid	-0.02	0.171	23.38	24.00	1.153	0.197	/
	State3&8		Left Edge	10	37850	2580	1	Mid	0.10	0.100	23.38	24.00	1.153	0.115	/
	State3&8		Right Edge	10	37850	2580	1	Mid	0.13	0.000	23.38	24.00	1.153	0.000	/
	State3&8		Bottom Edge	10	37850	2580	1	Mid	0.14	0.167	23.38	24.00	1.153	0.193	/
	State3&8		Front Side	10	37850	2580	50	Mid	0.02	0.112	22.27	23.00	1.183	0.132	/
	State3&8		Back Side	10	37850	2580	50	Mid	0.02	0.135	22.27	23.00	1.183	0.160	/
	State3&8		Left Edge	10	37850	2580	50	Mid	-0.07	0.078	22.27	23.00	1.183	0.092	/
	State3&8		Right Edge	10	37850	2580	50	Mid	-0.04	0.000	22.27	23.00	1.183	0.000	/
	State3&8		Bottom Edge	10	37850	2580	50	Mid	-0.04	0.127	22.27	23.00	1.183	0.150	/

11.17 LTE Band 38 Worse case for CA Test

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-CA															
Ant.3	State5&10	QPSK	Right Tilt	0	38150 +37952	2610 +2590.2	1+1	Low +High	-0.09	0.831	18.72	20.00	1.343	1.116	/
Body-worn-CA															
Ant.3	State3	QPSK	Front Side	15	38150 +37952	2610 +2590.2	1+1	Low +High	-0.02	0.096	20.60	21.75	1.303	0.125	/
Hotspot-CA															
Ant.3	State3	QPSK	Top Edge	10	38150 +37952	2610 +2590.2	1+1	Low +High	0.07	0.280	20.60	21.75	1.303	0.365	/

11.18 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.3	State5&10	QPSK	Left Cheek	0	40620	2593	1	Low	-0.05	0.356	18.94	19.75	1.205	0.429	/
	State5&10		Left Tilt	0	40620	2593	1	Low	-0.02	0.415	18.94	19.75	1.205	0.500	/
	State5&10		Right Cheek	0	40620	2593	1	Low	-0.06	0.689	18.94	19.75	1.205	0.830	/
	State5&10		Right Tilt	0	40620	2593	1	Low	-0.01	0.789	18.94	19.75	1.205	0.951	/
	State5&10		Left Cheek	0	40620	2593	50	Low	-0.09	0.288	18.86	19.75	1.227	0.353	/
	State5&10		Left Tilt	0	40620	2593	50	Low	0.15	0.348	18.86	19.75	1.227	0.427	/
	State5&10		Right Cheek	0	40620	2593	50	Low	0.08	0.586	18.86	19.75	1.227	0.719	/
	State5&10		Right Tilt	0	40620	2593	50	Low	-0.14	0.687	18.86	19.75	1.227	0.843	/
	State5&10		Right Cheek	0	39750	2506	1	Mid	-0.03	0.506	18.62	19.75	1.297	0.656	/
	State5&10		Right Cheek	0	40185	2549.5	1	Mid	0.07	0.638	18.61	19.75	1.300	0.829	/
	State5&10		Right Cheek	0	41055	2636.5	1	High	0.12	0.764	18.66	19.75	1.285	0.982	/
	State5&10		Right Cheek	0	41490	2680	1	High	0.09	0.718	18.53	19.75	1.324	0.951	/
	State5&10		Right Cheek	0	40620	2593	100	Low	-0.11	0.534	18.85	19.75	1.230	0.657	/
	State5&10		Right Tilt	0	39750	2506	1	Mid	-0.11	0.584	18.62	19.75	1.297	0.757	/
	State5&10		Right Tilt	0	40185	2549.5	1	Mid	-0.09	0.741	18.61	19.75	1.300	0.963	/
	State5&10		Right Tilt	0	41055	2636.5	1	High	0.00	0.893	18.66	19.75	1.285	**1.148**	48#
	State5&10		Right Tilt	0	41490	2680	1	High	-0.09	0.825	18.53	19.75	1.324	1.092	/
	State5&10		Right Tilt	0	39750	2506	50	Mid	0.05	0.625	18.58	19.75	1.309	0.818	/
	State5&10		Right Tilt	0	40185	2549.5	50	Low	0.10	0.615	18.61	19.75	1.300	0.800	/
	State5&10		Right Tilt	0	41055	2636.5	50	Mid	-0.05	0.639	18.62	19.75	1.297	0.829	/
	State5&10		Right Tilt	0	41490	2680	50	Mid	0.05	0.598	18.55	19.75	1.318	0.788	/
	State5&10		Right Tilt	0	40620	2593	100	Low	0.02	0.588	18.85	19.75	1.230	0.723	/
Ant.4	State5&10	QPSK	Left Cheek	0	40620	2593	1	Low	-0.02	0.044	22.98	23.00	1.005	0.044	/
	State5&10		Left Tilt	0	40620	2593	1	Low	-0.12	0.000	22.98	23.00	1.005	0.000	/
	State5&10		Right Cheek	0	40620	2593	1	Low	-0.07	0.118	22.98	23.00	1.005	0.119	/
	State5&10		Right Tilt	0	40620	2593	1	Low	0.10	0.062	22.98	23.00	1.005	0.062	/
	State5&10		Left Cheek	0	40620	2593	50	Low	0.14	0.025	20.52	22.00	1.406	0.035	/
	State5&10		Left Tilt	0	40620	2593	50	Low	0.12	0.000	20.52	22.00	1.406	0.000	/
	State5&10		Right Cheek	0	40620	2593	50	Low	0.04	0.070	20.52	22.00	1.406	0.098	/
	State5&10		Right Tilt	0	40620	2593	50	Low	-0.14	0.037	20.52	22.00	1.406	0.052	/
Ant.0	State5&10	QPSK	Left Cheek	0	39750	2506	1	High	-0.05	0.025	23.89	24.50	1.151	0.029	/
	State5&10		Left Tilt	0	39750	2506	1	High	-0.12	0.015	23.89	24.50	1.151	0.017	/
	State5&10		Right Cheek	0	39750	2506	1	High	0.10	0.049	23.89	24.50	1.151	0.056	/
	State5&10		Right Tilt	0	39750	2506	1	High	0.12	0.019	23.89	24.50	1.151	0.022	/
	State5&10		Left Cheek	0	39750	2506	50	High	0.08	0.018	21.86	23.50	1.459	0.026	/
	State5&10		Left Tilt	0	39750	2506	50	High	0.11	0.011	21.86	23.50	1.459	0.016	/

	State5&10		Right Cheek	0	39750	2506	50	High	0.16	0.038	21.86	23.50	1.459	0.055	/
	State5&10		Right Tilt	0	39750	2506	50	High	-0.05	0.013	21.86	23.50	1.459	0.019	/
Body-worn															
Ant.3	State3	QPSK	Front Side	15	41490	2680	1	High	0.00	0.116	21.16	22.00	1.213	**0.141**	49#
	State3		Back Side	15	41490	2680	1	High	-0.04	0.085	21.16	22.00	1.213	0.103	/
	State3		Front Side	15	41490	2680	50	High	-0.04	0.070	21.13	22.00	1.222	0.086	/
	State3		Back Side	15	41490	2680	50	High	0.12	0.059	21.13	22.00	1.222	0.072	/
Ant.3	State8	QPSK	Front Side	15	41490	2680	1	Mid	-0.14	0.089	20.65	21.50	1.216	0.108	/
	State8		Back Side	15	41490	2680	1	Mid	0.00	0.076	20.65	21.50	1.216	0.092	/
	State8		Front Side	15	41490	2680	50	High	-0.10	0.062	20.60	21.50	1.230	0.076	/
	State8		Back Side	15	41490	2680	50	High	0.06	0.053	20.60	21.50	1.230	0.065	/
Ant.4	State3	QPSK	Front Side	15	39750	2506	1	High	-0.15	0.009	18.63	18.75	1.028	0.009	/
	State3		Back Side	15	39750	2506	1	High	-0.08	0.038	18.63	18.75	1.028	0.039	/
	State3		Front Side	15	39750	2506	50	Mid	-0.03	0.007	18.64	18.75	1.026	0.007	/
	State3		Back Side	15	39750	2506	50	Mid	0.07	0.027	18.64	18.75	1.026	0.028	/
Ant.4	State8	QPSK	Front Side	15	40185	2549.5	1	Mid	-0.16	0.007	18.48	18.50	1.005	0.007	/
	State8		Back Side	15	40185	2549.5	1	Mid	0.03	0.036	18.48	18.50	1.005	0.036	/
	State8		Front Side	15	40185	2549.5	50	Low	-0.13	0.008	18.45	18.50	1.012	0.008	/
	State8		Back Side	15	40185	2549.5	50	Low	0.13	0.025	18.45	18.50	1.012	0.025	/
Ant.0	State3&8	QPSK	Front Side	15	39750	2506	1	High	0.05	0.080	23.89	24.50	1.151	0.092	/
	State3&8		Back Side	15	39750	2506	1	High	0.14	0.095	23.89	24.50	1.151	0.109	/
	State3&8		Front Side	15	39750	2506	50	High	-0.11	0.044	21.86	23.50	1.459	0.064	/
	State3&8		Back Side	15	39750	2506	50	High	-0.07	0.053	21.86	23.50	1.459	0.077	/
Hotspot															
Ant.3	State3	QPSK	Front Side	10	41490	2680	1	High	-0.09	0.210	21.16	22.00	1.213	0.255	/
	State3		Back Side	10	41490	2680	1	High	-0.03	0.184	21.16	22.00	1.213	0.223	/
	State3		Right Edge	10	41490	2680	1	High	-0.13	0.104	21.16	22.00	1.213	0.126	/
	State3		Top Edge	10	41490	2680	1	High	0.00	0.356	21.16	22.00	1.213	**0.432**	50#
	State3		Front Side	10	41490	2680	50	High	0.09	0.145	21.13	22.00	1.222	0.177	/
	State3		Back Side	10	41490	2680	50	High	0.12	0.128	21.13	22.00	1.222	0.156	/
	State3		Right Edge	10	41490	2680	50	High	0.15	0.073	21.13	22.00	1.222	0.089	/
	State3		Top Edge	10	41490	2680	50	High	0.04	0.246	21.13	22.00	1.222	0.301	/
Ant.3	State8	QPSK	Front Side	10	41490	2680	1	Mid	0.16	0.187	20.65	21.50	1.216	0.227	/
	State8		Back Side	10	41490	2680	1	Mid	0.07	0.164	20.65	21.50	1.216	0.199	/
	State8		Right Edge	10	41490	2680	1	Mid	0.04	0.093	20.65	21.50	1.216	0.113	/
	State8		Top Edge	10	41490	2680	1	Mid	-0.04	0.311	20.65	21.50	1.216	0.378	/
	State8		Front Side	10	41490	2680	50	High	-0.13	0.129	20.60	21.50	1.230	0.159	/
	State8		Back Side	10	41490	2680	50	High	0.09	0.114	20.60	21.50	1.230	0.140	/
	State8		Right Edge	10	41490	2680	50	High	-0.02	0.065	20.60	21.50	1.230	0.080	/
	State8		Top Edge	10	41490	2680	50	High	0.03	0.220	20.60	21.50	1.230	0.271	/
Ant.4	State3	QPSK	Front Side	10	39750	2506	1	High	-0.10	0.000	18.63	18.75	1.028	0.000	/
	State3		Back Side	10	39750	2506	1	High	-0.12	0.109	18.63	18.75	1.028	0.112	/

	State3		Right Edge	10	39750	2506	1	High	-0.05	0.115	18.63	18.75	1.028	0.118	/
	State3		Top Edge	10	39750	2506	1	High	0.10	0.000	18.63	18.75	1.028	0.000	/
	State3		Front Side	10	39750	2506	50	Mid	-0.02	0.000	18.64	18.75	1.026	0.000	/
	State3		Back Side	10	39750	2506	50	Mid	0.02	0.077	18.64	18.75	1.026	0.079	/
	State3		Right Edge	10	39750	2506	50	Mid	0.02	0.084	18.64	18.75	1.026	0.086	/
	State3		Top Edge	10	39750	2506	50	Mid	-0.08	0.000	18.64	18.75	1.026	0.000	/
Ant.4	State8	QPSK	Front Side	10	40185	2549.5	1	Mid	0.05	0.000	18.48	18.50	1.005	0.000	/
	State8		Back Side	10	40185	2549.5	1	Mid	-0.04	0.103	18.48	18.50	1.005	0.104	/
	State8		Right Edge	10	40185	2549.5	1	Mid	-0.03	0.109	18.48	18.50	1.005	0.110	/
	State8		Top Edge	10	40185	2549.5	1	Mid	-0.10	0.000	18.48	18.50	1.005	0.000	/
	State8		Front Side	10	40185	2549.5	50	Low	0.06	0.000	18.45	18.50	1.012	0.000	/
	State8		Back Side	10	40185	2549.5	50	Low	-0.13	0.073	18.45	18.50	1.012	0.074	/
	State8		Right Edge	10	40185	2549.5	50	Low	0.04	0.079	18.45	18.50	1.012	0.080	/
	State8		Top Edge	10	40185	2549.5	50	Low	-0.01	0.000	18.45	18.50	1.012	0.000	/
Ant.0	State3&8	QPSK	Front Side	10	39750	2506	1	High	-0.15	0.158	23.89	24.50	1.151	0.182	/
	State3&8		Back Side	10	39750	2506	1	High	0.01	0.184	23.89	24.50	1.151	0.212	/
	State3&8		Left Edge	10	39750	2506	1	High	-0.16	0.110	23.89	24.50	1.151	0.127	/
	State3&8		Right Edge	10	39750	2506	1	High	-0.14	0.000	23.89	24.50	1.151	0.000	/
	State3&8		Bottom Edge	10	39750	2506	1	High	0.11	0.246	23.89	24.50	1.151	0.283	/
	State3&8		Front Side	10	39750	2506	50	High	-0.16	0.090	21.86	23.50	1.459	0.131	/
	State3&8		Back Side	10	39750	2506	50	High	0.05	0.103	21.86	23.50	1.459	0.150	/
	State3&8		Left Edge	10	39750	2506	50	High	-0.15	0.061	21.86	23.50	1.459	0.089	/
	State3&8		Right Edge	10	39750	2506	50	High	0.03	0.000	21.86	23.50	1.459	0.000	/
	State3&8		Bottom Edge	10	39750	2506	50	High	0.16	0.145	21.86	23.50	1.459	0.212	/

11.19 LTE Band 41 Worse case for CA Test

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-CA															
Ant.3	State5&10	QPSK	Right Tilt	0	41055 +41253	2636.5 +2656.3	1+1	High +Low	0.08	0.814	18.40	19.75	1.365	1.111	/
Body-worn-CA															
Ant.3	State3	QPSK	Front Side	15	41490 +41292	2680 +2660.2	1+1	Low +High	0.03	0.097	20.95	22.00	1.274	0.124	/
Hotspot-CA															
Ant.3	State3	QPSK	Top Edge	10	41490 +41292	2680 +2660.2	1+1	Low +High	-0.03	0.320	20.95	22.00	1.274	0.408	/

11.20 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.1	State5	DFT-s-OFDM BPSK	SA	Left Cheek	0	167800	839	1	53	0.05	0.692	22.57	23.70	1.297	0.898	/
	State5			Left Tilt	0	167800	839	1	53	-0.15	0.085	22.57	23.70	1.297	0.110	/
	State5			Right Cheek	0	167800	839	1	53	0.12	0.391	22.57	23.70	1.297	0.507	/
	State5			Right Tilt	0	167800	839	1	53	0.12	0.070	22.57	23.70	1.297	0.091	/
	State5			Left Cheek	0	167800	839	50	28	-0.01	0.750	22.47	23.70	1.327	**0.995**	51#
	State5			Left Tilt	0	167800	839	50	28	-0.16	0.092	22.47	23.70	1.327	0.122	/
	State5			Right Cheek	0	167800	839	50	28	0.09	0.403	22.47	23.70	1.327	0.535	/
	State5			Right Tilt	0	167800	839	50	28	0.00	0.062	22.47	23.70	1.327	0.082	/
	State5			Left Cheek	0	166800	834	1	53	0.01	0.610	22.48	23.70	1.324	0.808	/
	State5			Left Cheek	0	167300	836.5	1	53	0.06	0.653	22.51	23.70	1.315	0.859	/
	State5			Left Cheek	0	166800	834	50	28	0.05	0.653	22.45	23.70	1.334	0.871	/
	State5			Left Cheek	0	167300	836.5	50	28	-0.09	0.659	22.43	23.70	1.340	0.883	/
	State5			Left Cheek	0	167800	839	100	0	-0.01	0.587	22.52	23.20	1.169	0.686	/
Ant.1	State10	DFT-s-OFDM BPSK	SA	Left Cheek	0	167300	836.5	1	53	0.05	0.553	21.51	22.70	1.315	0.727	/
	State10			Left Tilt	0	167300	836.5	1	53	0.12	0.067	21.51	22.70	1.315	0.088	/
	State10			Right Cheek	0	167300	836.5	1	53	-0.06	0.308	21.51	22.70	1.315	0.405	/
	State10			Right Tilt	0	167300	836.5	1	53	0.13	0.054	21.51	22.70	1.315	0.071	/
	State10			Left Cheek	0	167300	836.5	50	28	-0.03	0.591	21.51	22.70	1.315	0.777	/
	State10			Left Tilt	0	167300	836.5	50	28	-0.07	0.071	21.51	22.70	1.315	0.093	/
	State10			Right Cheek	0	167300	836.5	50	28	0.10	0.312	21.51	22.70	1.315	0.410	/
	State10			Right Tilt	0	167300	836.5	50	28	0.11	0.050	21.51	22.70	1.315	0.066	/
Ant.0	State5&10	DFT-s-OFDM BPSK	SA	Left Cheek	0	166800	834	1	53	0.09	0.065	22.93	24.20	1.340	0.087	/
	State5&10			Left Tilt	0	166800	834	1	53	0.08	0.000	22.93	24.20	1.340	0.000	/
	State5&10			Right Cheek	0	166800	834	1	53	-0.08	0.072	22.93	24.20	1.340	0.096	/
	State5&10			Right Tilt	0	166800	834	1	53	-0.13	0.000	22.93	24.20	1.340	0.000	/
	State5&10			Left Cheek	0	166800	834	50	28	-0.02	0.057	22.88	24.20	1.355	0.077	/
	State5&10			Left Tilt	0	166800	834	50	28	-0.07	0.000	22.88	24.20	1.355	0.000	/
	State5&10			Right Cheek	0	166800	834	50	28	0.00	0.067	22.88	24.20	1.355	0.091	/
	State5&10			Right Tilt	0	166800	834	50	28	0.14	0.000	22.88	24.20	1.355	0.000	/
Body-worn																
Ant.1	State3&8	DFT-s-OFDM BPSK	SA	Front Side	15	167800	839	1	53	-0.02	0.129	23.01	24.20	1.315	0.170	/
	State3&8			Back Side	15	167800	839	1	53	-0.07	0.146	23.01	24.20	1.315	0.192	/
	State3&8			Front Side	15	167800	839	50	28	0.08	0.132	23.02	24.20	1.312	0.173	/
	State3&8			Back Side	15	167800	839	50	28	0.01	0.172	23.02	24.20	1.312	**0.226**	52#
Ant.0	State3		SA	Front Side	15	166800	834	1	53	-0.02	0.050	22.93	23.95	1.265	0.063	/
	State3			Back Side	15	166800	834	1	53	0.00	0.058	22.93	23.95	1.265	0.073	/

	State3	DFT-s-OFDM BPSK		Front Side	15	166800	834	50	28	0.08	0.047	22.88	23.95	1.279	0.060	/
	State3			Back Side	15	166800	834	50	28	-0.05	0.050	22.88	23.95	1.279	0.064	/
Ant.0	State8	DFT-s-OFDM BPSK	SA	Front Side	15	166800	834	1	53	-0.14	0.057	22.93	24.20	1.340	0.076	/
	State8			Back Side	15	166800	834	1	53	-0.13	0.060	22.93	24.20	1.340	0.080	/
	State8			Front Side	15	166800	834	50	28	-0.01	0.048	22.88	24.20	1.355	0.065	/
	State8			Back Side	15	166800	834	50	28	0.02	0.051	22.88	24.20	1.355	0.069	/
Hotspot																
Ant.1	State3&8	DFT-s-OFDM BPSK	SA	Front Side	10	167800	839	1	53	0.01	0.240	23.01	24.20	1.315	0.316	/
	State3&8			Back Side	10	167800	839	1	53	-0.08	0.279	23.01	24.20	1.315	0.367	/
	State3&8			Right Edge	10	167800	839	1	53	-0.04	0.527	23.01	24.20	1.315	**0.693**	53#
	State3&8			Front Side	10	167800	839	50	28	-0.15	0.245	23.02	24.20	1.312	0.321	/
	State3&8			Back Side	10	167800	839	50	28	0.12	0.294	23.02	24.20	1.312	0.386	/
	State3&8			Right Edge	10	167800	839	50	28	-0.04	0.458	23.02	24.20	1.312	0.601	/
Ant.0	State3	DFT-s-OFDM BPSK	SA	Front Side	10	166800	834	1	53	-0.10	0.098	22.93	23.95	1.265	0.124	/
	State3			Back Side	10	166800	834	1	53	0.03	0.102	22.93	23.95	1.265	0.129	/
	State3			Left Edge	10	166800	834	1	53	-0.06	0.000	22.93	23.95	1.265	0.000	/
	State3			Right Edge	10	166800	834	1	53	0.09	0.060	22.93	23.95	1.265	0.076	/
	State3			Bottom Edge	10	166800	834	1	53	0.00	0.168	22.93	23.95	1.265	0.213	/
	State3			Front Side	10	166800	834	50	28	0.12	0.120	22.88	23.95	1.279	0.153	/
	State3			Back Side	10	166800	834	50	28	-0.07	0.111	22.88	23.95	1.279	0.142	/
	State3			Left Edge	10	166800	834	50	28	-0.06	0.000	22.88	23.95	1.279	0.000	/
	State3			Right Edge	10	166800	834	50	28	-0.01	0.085	22.88	23.95	1.279	0.109	/
	State3			Bottom Edge	10	166800	834	50	28	-0.08	0.148	22.88	23.95	1.279	0.189	/
Ant.0	State3&8	DFT-s-OFDM BPSK	SA	Front Side	10	166800	834	1	53	0.04	0.102	22.93	24.20	1.340	0.137	/
	State3&8			Back Side	10	166800	834	1	53	0.12	0.107	22.93	24.20	1.340	0.143	/
	State3&8			Left Edge	10	166800	834	1	53	-0.05	0.000	22.93	24.20	1.340	0.000	/
	State3&8			Right Edge	10	166800	834	1	53	0.08	0.064	22.93	24.20	1.340	0.086	/
	State3&8			Bottom Edge	10	166800	834	1	53	0.15	0.174	22.93	24.20	1.340	0.233	/
	State3&8			Front Side	10	166800	834	50	28	-0.14	0.125	22.88	24.20	1.355	0.169	/
	State3&8			Back Side	10	166800	834	50	28	-0.08	0.124	22.88	24.20	1.355	0.168	/
	State3&8			Left Edge	10	166800	834	50	28	0.01	0.000	22.88	24.20	1.355	0.000	/
	State3&8			Right Edge	10	166800	834	50	28	0.09	0.086	22.88	24.20	1.355	0.117	/
	State3&8			Bottom Edge	10	166800	834	50	28	0.11	0.156	22.88	24.20	1.355	0.211	/

11.21 n7 (50MHz 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.3	State5	DFT-s-OFDM BPSK	SA	Left Cheek	0	507000	2535	1	268	0.10	0.486	18.68	19.70	1.265	0.615	/
	State5			Left Tilt	0	507000	2535	1	268	0.11	0.596	18.68	19.70	1.265	0.754	/
	State5			Right Cheek	0	507000	2535	1	268	-0.02	0.902	18.68	19.70	1.265	1.141	/
	State5			Right Tilt	0	507000	2535	1	268	0.05	0.857	18.68	19.70	1.265	1.084	/
	State5			Left Cheek	0	507000	2535	135	135	0.07	0.456	18.76	19.70	1.242	0.566	/
	State5			Left Tilt	0	507000	2535	135	135	0.07	0.478	18.76	19.70	1.242	0.594	/
	State5			Right Cheek	0	507000	2535	135	135	-0.12	0.711	18.76	19.70	1.242	0.883	/
	State5			Right Tilt	0	507000	2535	135	135	-0.05	0.689	18.76	19.70	1.242	0.856	/
	State5			Right Cheek	0	505000	2525	1	268	-0.06	0.868	18.64	19.70	1.276	1.108	/
	State5			Right Cheek	0	509000	2545	1	135	0.01	0.929	18.65	19.70	1.274	**1.184**	54#
	State5			Right Cheek	0	505000	2525	135	135	0.15	0.712	18.62	19.70	1.282	0.913	/
	State5			Right Cheek	0	509000	2545	135	135	-0.02	0.726	18.60	19.70	1.288	0.935	/
	State5			Right Cheek	0	507000	2535	270	0	-0.11	0.812	18.75	19.70	1.245	1.011	/
	State5			Right Tilt	0	505000	2525	1	268	0.06	0.821	18.64	19.70	1.276	1.048	/
	State5			Right Tilt	0	509000	2545	1	135	-0.12	0.880	18.65	19.70	1.274	1.121	/
	State5			Right Tilt	0	505000	2525	135	135	0.03	0.685	18.62	19.70	1.282	0.878	/
	State5			Right Tilt	0	509000	2545	135	135	0.08	0.716	18.60	19.70	1.288	0.922	/
	State5			Right Tilt	0	507000	2535	270	0	0.10	0.790	18.75	19.70	1.245	0.984	/
Ant.3	State10	DFT-s-OFDM BPSK	SA	Left Cheek	0	507000	2535	1	268	-0.14	0.338	17.49	18.20	1.178	0.398	/
	State10			Left Tilt	0	507000	2535	1	268	-0.02	0.415	17.49	18.20	1.178	0.489	/
	State10			Right Cheek	0	507000	2535	1	268	-0.01	0.623	17.49	18.20	1.178	0.734	/
	State10			Right Tilt	0	507000	2535	1	268	-0.13	0.595	17.49	18.20	1.178	0.701	/
	State10			Left Cheek	0	507000	2535	135	68	0.03	0.318	17.53	18.20	1.167	0.371	/
	State10			Left Tilt	0	507000	2535	135	68	-0.13	0.330	17.53	18.20	1.167	0.385	/
	State10			Right Cheek	0	507000	2535	135	68	-0.02	0.502	17.53	18.20	1.167	0.586	/
	State10			Right Tilt	0	507000	2535	135	68	-0.01	0.483	17.53	18.20	1.167	0.564	/
Ant.4	State5&10	DFT-s-OFDM BPSK	SA	Left Cheek	0	507000	2535	1	268	0.04	0.047	22.46	23.20	1.186	0.056	/
	State5&10			Left Tilt	0	507000	2535	1	268	0.16	0.000	22.46	23.20	1.186	0.000	/
	State5&10			Right Cheek	0	507000	2535	1	268	-0.12	0.072	22.46	23.20	1.186	0.085	/
	State5&10			Right Tilt	0	507000	2535	1	268	0.10	0.047	22.46	23.20	1.186	0.056	/
	State5&10			Left Cheek	0	507000	2535	135	68	0.14	0.031	22.64	23.20	1.138	0.035	/
	State5&10			Left Tilt	0	507000	2535	135	68	0.04	0.000	22.64	23.20	1.138	0.000	/
	State5&10			Right Cheek	0	507000	2535	135	68	0.16	0.052	22.64	23.20	1.138	0.059	/
	State5&10			Right Tilt	0	507000	2535	135	68	0.14	0.037	22.64	23.20	1.138	0.042	/
Ant.0	State5&10		SA	Left Cheek	0	507000	2535	1	268	0.06	0.038	23.31	24.20	1.227	0.047	/
	State5&10			Left Tilt	0	507000	2535	1	268	0.00	0.000	23.31	24.20	1.227	0.000	/

	State5&10	DFT-s-OFDM BPSK		Right Cheek	0	507000	2535	1	268	-0.12	0.066	23.31	24.20	1.227	0.081	/
	State5&10			Right Tilt	0	507000	2535	1	268	0.13	0.000	23.31	24.20	1.227	0.000	/
	State5&10			Left Cheek	0	507000	2535	135	0	0.06	0.025	22.32	24.20	1.542	0.039	/
	State5&10			Left Tilt	0	507000	2535	135	0	0.13	0.000	22.32	24.20	1.542	0.000	/
	State5&10			Right Cheek	0	507000	2535	135	0	0.07	0.056	22.32	24.20	1.542	0.086	/
	State5&10			Right Tilt	0	507000	2535	135	0	0.15	0.000	22.32	24.20	1.542	0.000	/
Body-worn																
Ant.3	State3	DFT-s-OFDM BPSK	SA	Front Side	15	507000	2535	1	268	0.09	0.084	19.99	20.95	1.247	0.105	/
	State3			Back Side	15	507000	2535	1	268	-0.12	0.066	19.99	20.95	1.247	0.082	/
	State3			Front Side	15	507000	2535	135	68	0.11	0.078	20.05	20.95	1.230	0.096	/
	State3			Back Side	15	507000	2535	135	68	0.06	0.057	20.05	20.95	1.230	0.070	/
Ant.3	State8	DFT-s-OFDM BPSK	SA	Front Side	15	507000	2535	1	268	-0.15	0.075	19.48	20.45	1.250	0.094	/
	State8			Back Side	15	507000	2535	1	268	0.05	0.059	19.48	20.45	1.250	0.074	/
	State8			Front Side	15	507000	2535	135	68	0.16	0.052	19.50	20.45	1.245	0.065	/
	State8			Back Side	15	507000	2535	135	68	0.11	0.042	19.50	20.45	1.245	0.052	/
Ant.4	State3&8	DFT-s-OFDM BPSK	SA	Front Side	15	507000	2535	1	268	-0.12	0.045	22.46	23.20	1.186	0.053	/
	State3&8			Back Side	15	507000	2535	1	268	0.02	0.118	22.46	23.20	1.186	**0.140**	55#
	State3&8			Front Side	15	507000	2535	135	68	-0.13	0.038	22.64	23.20	1.138	0.043	/
	State3&8			Back Side	15	507000	2535	135	68	-0.10	0.098	22.64	23.20	1.138	0.112	/
Ant.0	State3	DFT-s-OFDM BPSK	SA	Front Side	15	507000	2535	1	1	0.04	0.045	22.28	22.95	1.167	0.053	/
	State3			Back Side	15	507000	2535	1	1	0.01	0.064	22.28	22.95	1.167	0.075	/
	State3			Front Side	15	507000	2535	135	0	0.10	0.038	21.45	22.95	1.413	0.054	/
	State3			Back Side	15	507000	2535	135	0	-0.08	0.058	21.45	22.95	1.413	0.082	/
Ant.0	State8	DFT-s-OFDM BPSK	SA	Front Side	15	507000	2535	1	268	0.01	0.038	23.31	24.20	1.227	0.047	/
	State8			Back Side	15	507000	2535	1	268	-0.07	0.054	23.31	24.20	1.227	0.066	/
	State8			Front Side	15	507000	2535	135	0	-0.03	0.035	22.32	24.20	1.542	0.054	/
	State8			Back Side	15	507000	2535	135	0	0.06	0.048	22.32	24.20	1.542	0.074	/
Hotspot																
Ant.3	State3	DFT-s-OFDM BPSK	SA	Front Side	10	507000	2535	1	268	-0.01	0.204	19.99	20.95	1.247	0.254	/
	State3			Back Side	10	507000	2535	1	268	0.04	0.146	19.99	20.95	1.247	0.182	/
	State3			Right Edge	10	507000	2535	1	268	-0.04	0.090	19.99	20.95	1.247	0.112	/
	State3			Top Edge	10	507000	2535	1	268	0.01	0.289	19.99	20.95	1.247	**0.360**	56#
	State3			Front Side	10	507000	2535	135	68	0.08	0.197	20.05	20.95	1.230	0.242	/
	State3			Back Side	10	507000	2535	135	68	0.04	0.142	20.05	20.95	1.230	0.175	/
	State3			Right Edge	10	507000	2535	135	68	-0.13	0.083	20.05	20.95	1.230	0.102	/
	State3			Top Edge	10	507000	2535	135	68	0.16	0.278	20.05	20.95	1.230	0.342	/
Ant.3	State8	DFT-s-OFDM BPSK	SA	Front Side	10	507000	2535	1	268	-0.15	0.182	19.48	20.45	1.250	0.228	/
	State8			Back Side	10	507000	2535	1	268	0.10	0.130	19.48	20.45	1.250	0.163	/
	State8			Right Edge	10	507000	2535	1	268	0.09	0.080	19.48	20.45	1.250	0.100	/
	State8			Top Edge	10	507000	2535	1	268	-0.15	0.267	19.48	20.45	1.250	0.334	/
	State8			Front Side	10	507000	2535	135	68	-0.04	0.140	19.50	20.45	1.245	0.174	/
	State8			Back Side	10	507000	2535	135	68	0.12	0.117	19.50	20.45	1.245	0.146	/
	State8			Right Edge	10	507000	2535	135	68	0.12	0.047	19.50	20.45	1.245	0.059	/

	State8			Top Edge	10	507000	2535	135	68	-0.02	0.248	19.50	20.45	1.245	0.309	/
Ant.4	State3&8	DFT-s-OFDM BPSK	SA	Front Side	10	507000	2535	1	268	0.15	0.078	22.46	23.20	1.186	0.093	/
	State3&8			Back Side	10	507000	2535	1	268	-0.15	0.278	22.46	23.20	1.186	0.330	/
	State3&8			Right Edge	10	507000	2535	1	268	0.13	0.175	22.46	23.20	1.186	0.208	/
	State3&8			Top Edge	10	507000	2535	1	268	-0.04	0.000	22.46	23.20	1.186	0.000	/
	State3&8			Front Side	10	507000	2535	135	68	0.11	0.067	22.64	23.20	1.138	0.076	/
	State3&8			Back Side	10	507000	2535	135	68	-0.07	0.225	22.64	23.20	1.138	0.256	/
	State3&8			Right Edge	10	507000	2535	135	68	0.05	0.124	22.64	23.20	1.138	0.141	/
	State3&8			Top Edge	10	507000	2535	135	68	0.05	0.000	22.64	23.20	1.138	0.000	/
Ant.0	State3	DFT-s-OFDM BPSK	SA	Front Side	10	507000	2535	1	1	0.10	0.093	22.28	22.95	1.167	0.109	/
	State3			Back Side	10	507000	2535	1	1	-0.12	0.124	22.28	22.95	1.167	0.145	/
	State3			Left Edge	10	507000	2535	1	1	-0.09	0.072	22.28	22.95	1.167	0.084	/
	State3			Right Edge	10	507000	2535	1	1	0.00	0.000	22.28	22.95	1.167	0.000	/
	State3			Bottom Edge	10	507000	2535	1	1	-0.08	0.204	22.28	22.95	1.167	0.238	/
	State3			Front Side	10	507000	2535	135	0	-0.16	0.061	21.45	22.95	1.413	0.086	/
	State3			Back Side	10	507000	2535	135	0	0.12	0.076	21.45	22.95	1.413	0.107	/
	State3			Left Edge	10	507000	2535	135	0	0.03	0.049	21.45	22.95	1.413	0.069	/
	State3			Right Edge	10	507000	2535	135	0	0.12	0.000	21.45	22.95	1.413	0.000	/
	State3			Bottom Edge	10	507000	2535	135	0	0.03	0.145	21.45	22.95	1.413	0.205	/
Ant.0	State8	DFT-s-OFDM BPSK	SA	Front Side	10	507000	2535	1	268	-0.11	0.083	23.31	24.20	1.227	0.102	/
	State8			Back Side	10	507000	2535	1	268	0.09	0.111	23.31	24.20	1.227	0.136	/
	State8			Left Edge	10	507000	2535	1	268	-0.12	0.064	23.31	24.20	1.227	0.079	/
	State8			Right Edge	10	507000	2535	1	268	0.03	0.000	23.31	24.20	1.227	0.000	/
	State8			Bottom Edge	10	507000	2535	1	268	-0.06	0.182	23.31	24.20	1.227	0.223	/
	State8			Front Side	10	507000	2535	135	0	0.01	0.055	22.32	24.20	1.542	0.085	/
	State8			Back Side	10	507000	2535	135	0	-0.01	0.068	22.32	24.20	1.542	0.105	/
	State8			Left Edge	10	507000	2535	135	0	0.01	0.043	22.32	24.20	1.542	0.066	/
	State8			Right Edge	10	507000	2535	135	0	-0.12	0.000	22.32	24.20	1.542	0.000	/
	State8			Bottom Edge	10	507000	2535	135	0	-0.14	0.129	22.32	24.20	1.542	0.199	/

11.22 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.3	State5	DFT-s-OFDM BPSK	SA	Left Cheek	0	349000	1745	1	108	-0.07	0.481	18.84	19.45	1.151	0.554	/
	State5			Left Tilt	0	349000	1745	1	108	-0.14	0.527	18.84	19.45	1.151	0.607	/
	State5			Right Cheek	0	349000	1745	1	108	-0.03	0.886	18.84	19.45	1.151	1.020	/
	State5			Right Tilt	0	349000	1745	1	108	0.16	0.693	18.84	19.45	1.151	0.798	/
	State5			Left Cheek	0	352000	1760	108	54	0.15	0.446	19.04	19.45	1.099	0.490	/
	State5			Left Tilt	0	352000	1760	108	54	0.08	0.458	19.04	19.45	1.099	0.503	/
	State5			Right Cheek	0	352000	1760	108	54	0.06	0.799	19.04	19.45	1.099	0.878	/
	State5			Right Tilt	0	352000	1760	108	54	0.12	0.643	19.04	19.45	1.099	0.707	/
	State5			Right Cheek	0	346000	1730	1	108	-0.01	0.930	18.79	19.45	1.164	**1.083**	57#
	State5			Right Cheek	0	352000	1760	1	108	-0.13	0.855	18.80	19.45	1.161	0.993	/
	State5			Right Cheek	0	346000	1730	108	54	0.16	0.794	18.99	19.45	1.112	0.883	/
	State5			Right Cheek	0	349000	1745	108	54	0.12	0.794	18.88	19.45	1.140	0.905	/
	State5			Right Cheek	0	346000	1730	216	0	0.16	0.765	19.07	19.45	1.091	0.835	/
Ant.3	State10	DFT-s-OFDM BPSK	SA	Left Cheek	0	349000	1745	1	108	-0.02	0.432	18.35	18.70	1.084	0.468	/
	State10			Left Tilt	0	349000	1745	1	108	0.07	0.446	18.35	18.70	1.084	0.483	/
	State10			Right Cheek	0	349000	1745	1	108	-0.08	0.753	18.35	18.70	1.084	0.816	/
	State10			Right Tilt	0	349000	1745	1	108	0.05	0.586	18.35	18.70	1.084	0.635	/
	State10			Left Cheek	0	346000	1730	108	54	0.13	0.381	18.60	18.70	1.023	0.390	/
	State10			Left Tilt	0	346000	1730	108	54	0.13	0.386	18.60	18.70	1.023	0.395	/
	State10			Right Cheek	0	346000	1730	108	54	-0.03	0.739	18.60	18.70	1.023	0.756	/
	State10			Right Tilt	0	346000	1730	108	54	0.15	0.550	18.60	18.70	1.023	0.563	/
	State10			Right Cheek	0	346000	1730	1	108	-0.04	0.792	18.33	18.70	1.089	0.862	/
	State10			Right Cheek	0	352000	1760	1	108	-0.12	0.728	18.32	18.70	1.091	0.794	/
	State10			Right Cheek	0	352000	1760	216	0	-0.06	0.658	18.40	18.70	1.072	0.705	/
Ant.0	State5&10	DFT-s-OFDM BPSK	SA	Left Cheek	0	349000	1745	1	108	0.13	0.096	23.24	24.20	1.247	0.120	/
	State5&10			Left Tilt	0	349000	1745	1	108	0.05	0.045	23.24	24.20	1.247	0.056	/
	State5&10			Right Cheek	0	349000	1745	1	108	0.14	0.103	23.24	24.20	1.247	0.128	/
	State5&10			Right Tilt	0	349000	1745	1	108	0.13	0.051	23.24	24.20	1.247	0.064	/
	State5&10			Left Cheek	0	352000	1760	108	54	-0.12	0.087	23.47	24.20	1.183	0.103	/
	State5&10			Left Tilt	0	352000	1760	108	54	0.03	0.047	23.47	24.20	1.183	0.056	/
	State5&10			Right Cheek	0	352000	1760	108	54	-0.10	0.103	23.47	24.20	1.183	0.122	/
	State5&10			Right Tilt	0	352000	1760	108	54	-0.09	0.046	23.47	24.20	1.183	0.054	/
Body-worn																
Ant.3	State3	DFT-s-OFDM BPSK	SA	Front Side	15	349000	1745	1	108	-0.02	0.181	21.84	22.45	1.151	**0.208**	58#
	State3			Back Side	15	349000	1745	1	108	-0.05	0.175	21.84	22.45	1.151	0.201	/
	State3			Front Side	15	352000	1760	108	54	-0.01	0.179	22.01	22.45	1.107	0.198	/

	State3			Back Side	15	352000	1760	108	54	0.14	0.173	22.01	22.45	1.107	0.192	/
Ant.3	State8	DFT-s-OFDM BPSK	SA	Front Side	15	349000	1745	1	108	0.15	0.164	21.30	21.95	1.161	0.190	/
	State8			Back Side	15	349000	1745	1	108	-0.08	0.156	21.30	21.95	1.161	0.181	/
	State8			Front Side	15	346000	1730	108	54	-0.13	0.161	21.48	21.95	1.114	0.179	/
	State8			Back Side	15	346000	1730	108	54	-0.03	0.156	21.48	21.95	1.114	0.174	/
Ant.0	State3	DFT-s-OFDM BPSK	SA	Front Side	15	349000	1745	1	108	0.07	0.068	20.75	21.45	1.175	0.080	/
	State3			Back Side	15	349000	1745	1	108	-0.10	0.088	20.75	21.45	1.175	0.103	/
	State3			Front Side	15	346000	1730	108	0	-0.13	0.064	20.87	21.45	1.143	0.073	/
	State3			Back Side	15	346000	1730	108	0	-0.05	0.083	20.87	21.45	1.143	0.095	/
Ant.0	State8	DFT-s-OFDM BPSK	SA	Front Side	15	349000	1745	1	108	0.16	0.060	20.28	20.95	1.167	0.070	/
	State8			Back Side	15	349000	1745	1	108	0.10	0.078	20.28	20.95	1.167	0.091	/
	State8			Front Side	15	346000	1730	108	0	0.13	0.058	20.44	20.95	1.125	0.065	/
	State8			Back Side	15	346000	1730	108	0	0.05	0.075	20.44	20.95	1.125	0.084	/
Hotspot																
Ant.3	State3	DFT-s-OFDM BPSK	SA	Front Side	10	349000	1745	1	108	0.13	0.326	21.84	22.45	1.151	0.375	/
	State3			Back Side	10	349000	1745	1	108	0.01	0.328	21.84	22.45	1.151	0.378	/
	State3			Right Edge	10	349000	1745	1	108	-0.09	0.136	21.84	22.45	1.151	0.157	/
	State3			Top Edge	10	349000	1745	1	108	-0.03	0.428	21.84	22.45	1.151	0.493	/
	State3			Front Side	10	352000	1760	108	54	0.02	0.309	22.01	22.45	1.107	0.342	/
	State3			Back Side	10	352000	1760	108	54	0.15	0.327	22.01	22.45	1.107	0.362	/
	State3			Right Edge	10	352000	1760	108	54	-0.01	0.114	22.01	22.45	1.107	0.126	/
	State3			Top Edge	10	352000	1760	108	54	0.12	0.402	22.01	22.45	1.107	0.445	/
Ant.3	State8	DFT-s-OFDM BPSK	SA	Front Side	10	349000	1745	1	108	0.08	0.165	21.30	21.95	1.161	0.192	/
	State8			Back Side	10	349000	1745	1	108	0.08	0.168	21.30	21.95	1.161	0.195	/
	State8			Right Edge	10	349000	1745	1	108	0.12	0.069	21.30	21.95	1.161	0.080	/
	State8			Top Edge	10	349000	1745	1	108	0.02	0.205	21.30	21.95	1.161	0.238	/
	State8			Front Side	10	346000	1730	108	54	-0.16	0.161	21.48	21.95	1.114	0.179	/
	State8			Back Side	10	346000	1730	108	54	0.07	0.162	21.48	21.95	1.114	0.180	/
	State8			Right Edge	10	346000	1730	108	54	0.06	0.065	21.48	21.95	1.114	0.072	/
	State8			Top Edge	10	346000	1730	108	54	0.03	0.199	21.48	21.95	1.114	0.222	/
Ant.0	State3	DFT-s-OFDM BPSK	SA	Front Side	10	349000	1745	1	108	0.16	0.252	20.75	21.45	1.175	0.296	/
	State3			Back Side	10	349000	1745	1	108	-0.13	0.333	20.75	21.45	1.175	0.391	/
	State3			Left Edge	10	349000	1745	1	108	-0.10	0.097	20.75	21.45	1.175	0.114	/
	State3			Right Edge	10	349000	1745	1	108	0.13	0.047	20.75	21.45	1.175	0.055	/
	State3			Bottom Edge	10	349000	1745	1	108	-0.01	0.590	20.75	21.45	1.175	**0.693**	59#
	State3			Front Side	10	346000	1730	108	0	-0.06	0.233	20.87	21.45	1.143	0.266	/
	State3			Back Side	10	346000	1730	108	0	0.07	0.346	20.87	21.45	1.143	0.395	/
	State3			Left Edge	10	346000	1730	108	0	0.13	0.102	20.87	21.45	1.143	0.117	/
	State3			Right Edge	10	346000	1730	108	0	-0.14	0.052	20.87	21.45	1.143	0.059	/
	State3			Bottom Edge	10	346000	1730	108	0	-0.03	0.594	20.87	21.45	1.143	0.679	/
Ant.0	State8	DFT-s-OFDM BPSK	SA	Front Side	10	349000	1745	1	108	0.14	0.221	20.28	20.95	1.167	0.258	/
	State8			Back Side	10	349000	1745	1	108	-0.13	0.295	20.28	20.95	1.167	0.344	/
	State8			Left Edge	10	349000	1745	1	108	0.15	0.084	20.28	20.95	1.167	0.098	/

	State8			Right Edge	10	349000	1745	1	108	0.05	0.041	20.28	20.95	1.167	0.048	/
	State8			Bottom Edge	10	349000	1745	1	108	-0.15	0.525	20.28	20.95	1.167	0.613	/
	State8			Front Side	10	346000	1730	108	0	0.08	0.209	20.44	20.95	1.125	0.235	/
	State8			Back Side	10	346000	1730	108	0	-0.09	0.301	20.44	20.95	1.125	0.339	/
	State8			Left Edge	10	346000	1730	108	0	-0.04	0.085	20.44	20.95	1.125	0.096	/
	State8			Right Edge	10	346000	1730	108	0	-0.03	0.042	20.44	20.95	1.125	0.047	/
	State8			Bottom Edge	10	346000	1730	108	0	-0.12	0.528	20.44	20.95	1.125	0.594	/

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.0	State3	DFT-s-OFDM BPSK	SA	Bottom Edge	0	349000	1745	1	108	0.01	1.780	20.75	21.45	1.175	**2.092**	60#
	State3			Bottom Edge	0	349000	1745	108	0	0.01	1.710	20.87	21.45	1.143	1.955	/
	State3			Bottom Edge	0	346000	1730	1	214	-0.14	1.680	20.73	21.45	1.180	1.982	/
	State3			Bottom Edge	0	352000	1760	1	214	0.03	1.720	20.70	21.45	1.189	2.045	/
	State3			Bottom Edge	0	352000	1760	216	0	0.06	1.620	20.82	21.45	1.156	1.873	/
Ant.0	State8	DFT-s-OFDM BPSK	SA	Bottom Edge	0	349000	1745	1	108	-0.08	1.570	20.28	20.95	1.167	1.832	/
	State8			Bottom Edge	0	346000	1730	108	0	0.13	1.500	20.44	20.95	1.125	1.688	/

11.23 n38 (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.3	State5	DFT-s-OFDM BPSK	SA	Left Cheek	0	520000	2600	1	1	-0.03	0.450	17.52	18.70	1.312	0.590	/
	State5			Left Tilt	0	520000	2600	1	1	-0.08	0.491	17.52	18.70	1.312	0.644	/
	State5			Right Cheek	0	520000	2600	1	1	-0.05	0.743	17.52	18.70	1.312	**0.975**	61#
	State5			Right Tilt	0	520000	2600	1	1	0.04	0.738	17.52	18.70	1.312	0.968	/
	State5			Left Cheek	0	519000	2595	50	28	-0.06	0.406	17.43	18.70	1.340	0.544	/
	State5			Left Tilt	0	519000	2595	50	28	0.12	0.445	17.43	18.70	1.340	0.596	/
	State5			Right Cheek	0	519000	2595	50	28	-0.15	0.674	17.43	18.70	1.340	0.903	/
	State5			Right Tilt	0	519000	2595	50	28	0.12	0.667	17.43	18.70	1.340	0.894	/
	State5			Right Cheek	0	518000	2590	1	53	0.03	0.714	17.42	18.70	1.343	0.959	/
	State5			Right Cheek	0	519000	2595	1	53	-0.12	0.715	17.44	18.70	1.337	0.956	/
	State5			Right Cheek	0	518000	2590	50	0	-0.03	0.663	17.43	18.70	1.340	0.888	/
	State5			Right Cheek	0	520000	2600	50	28	0.06	0.674	17.41	18.70	1.346	0.907	/
	State5			Right Cheek	0	519000	2595	100	0	-0.06	0.674	17.41	18.70	1.346	0.907	/
	State10			Right Tilt	0	518000	2590	1	53	0.09	0.685	17.42	18.70	1.343	0.920	/
	State10			Right Tilt	0	519000	2595	1	53	-0.13	0.680	17.44	18.70	1.337	0.909	/
	State10			Right Tilt	0	518000	2590	50	0	-0.12	0.658	17.43	18.70	1.340	0.882	/
	State10			Right Tilt	0	520000	2600	50	28	-0.02	0.665	17.41	18.70	1.346	0.895	/
	State10			Right Tilt	0	519000	2595	100	0	-0.15	0.670	17.41	18.70	1.346	0.902	/
Ant.3	State10	DFT-s-OFDM BPSK	SA	Left Cheek	0	519000	2595	1	53	-0.08	0.354	16.48	17.95	1.403	0.497	/
	State10			Left Tilt	0	519000	2595	1	53	0.11	0.390	16.48	17.95	1.403	0.547	/
	State10			Right Cheek	0	519000	2595	1	53	0.12	0.568	16.48	17.95	1.403	0.797	/
	State10			Right Tilt	0	519000	2595	1	53	-0.03	0.565	16.48	17.95	1.403	0.793	/
	State10			Left Cheek	0	519000	2595	50	0	0.05	0.325	16.47	17.95	1.406	0.457	/
	State10			Left Tilt	0	519000	2595	50	0	0.06	0.358	16.47	17.95	1.406	0.503	/
	State10			Right Cheek	0	519000	2595	50	0	0.05	0.533	16.47	17.95	1.406	0.749	/
	State10			Right Tilt	0	519000	2595	50	0	0.00	0.532	16.47	17.95	1.406	0.748	/
Ant.4	State5&10	DFT-s-OFDM BPSK	SA	Left Cheek	0	519000	2595	1	53	0.06	0.061	22.30	23.20	1.230	0.075	/
	State5&10			Left Tilt	0	519000	2595	1	53	-0.01	0.044	22.30	23.20	1.230	0.054	/
	State5&10			Right Cheek	0	519000	2595	1	53	0.00	0.109	22.30	23.20	1.230	0.134	/
	State5&10			Right Tilt	0	519000	2595	1	53	0.08	0.079	22.30	23.20	1.230	0.097	/
	State5&10			Left Cheek	0	519000	2595	50	28	-0.05	0.053	22.30	23.20	1.230	0.065	/
	State5&10			Left Tilt	0	519000	2595	50	28	0.03	0.038	22.30	23.20	1.230	0.047	/
	State5&10			Right Cheek	0	519000	2595	50	28	0.09	0.099	22.30	23.20	1.230	0.122	/
	State5&10			Right Tilt	0	519000	2595	50	28	0.14	0.068	22.30	23.20	1.230	0.084	/
Ant.0	State5&10		SA	Left Cheek	0	520000	2600	1	53	-0.10	0.031	23.42	24.20	1.197	0.037	/
	State5&10			Left Tilt	0	520000	2600	1	53	0.11	0.019	23.42	24.20	1.197	0.023	/

	State5&10	DFT-s-OFDM BPSK		Right Cheek	0	520000	2600	1	53	0.12	0.045	23.42	24.20	1.197	0.054	/
	State5&10			Right Tilt	0	520000	2600	1	53	-0.01	0.028	23.42	24.20	1.197	0.034	/
	State5&10			Left Cheek	0	519000	2595	50	28	0.04	0.029	23.36	24.20	1.213	0.035	/
	State5&10			Left Tilt	0	519000	2595	50	28	0.16	0.018	23.36	24.20	1.213	0.022	/
	State5&10			Right Cheek	0	519000	2595	50	28	-0.07	0.044	23.36	24.20	1.213	0.053	/
	State5&10			Right Tilt	0	519000	2595	50	28	0.08	0.026	23.36	24.20	1.213	0.032	/
Body-worn																
Ant.3	State3	DFT-s-OFDM BPSK	SA	Front Side	15	520000	2600	1	53	0.06	0.099	18.92	19.95	1.268	**0.126**	62#
	State3			Back Side	15	520000	2600	1	53	-0.05	0.083	18.92	19.95	1.268	0.105	/
	State3			Front Side	15	518000	2590	50	56	0.13	0.095	19.05	19.95	1.230	0.117	/
	State3			Back Side	15	518000	2590	50	56	0.14	0.081	19.05	19.95	1.230	0.100	/
Ant.3	State8	DFT-s-OFDM BPSK	SA	Front Side	15	520000	2600	1	53	0.06	0.099	18.92	19.70	1.197	0.119	/
	State8			Back Side	15	520000	2600	1	53	-0.05	0.083	18.92	19.70	1.197	0.099	/
	State8			Front Side	15	518000	2590	50	56	0.13	0.095	19.05	19.70	1.161	0.110	/
	State8			Back Side	15	518000	2590	50	56	0.14	0.081	19.05	19.70	1.161	0.094	/
Ant.4	State3	DFT-s-OFDM BPSK	SA	Front Side	15	519000	2595	1	53	-0.11	0.009	18.26	18.95	1.172	0.011	/
	State3			Back Side	15	519000	2595	1	53	0.10	0.054	18.26	18.95	1.172	0.063	/
	State3			Front Side	15	518000	2590	50	0	0.04	0.009	18.42	18.95	1.130	0.010	/
	State3			Back Side	15	518000	2590	50	0	0.12	0.044	18.42	18.95	1.130	0.050	/
Ant.4	State8	DFT-s-OFDM BPSK	SA	Front Side	15	519000	2595	1	1	-0.05	0.008	17.75	18.45	1.175	0.009	/
	State8			Back Side	15	519000	2595	1	1	-0.15	0.046	17.75	18.45	1.175	0.054	/
	State8			Front Side	15	520000	2600	50	28	0.07	0.007	17.91	18.45	1.132	0.008	/
	State8			Back Side	15	520000	2600	50	28	-0.07	0.041	17.91	18.45	1.132	0.046	/
Ant.0	State3	DFT-s-OFDM BPSK	SA	Front Side	15	520000	2600	1	53	0.13	0.066	23.42	24.20	1.197	0.079	/
	State3			Back Side	15	520000	2600	1	53	0.09	0.074	23.42	24.20	1.197	0.089	/
	State3			Front Side	15	519000	2595	50	28	0.01	0.064	23.36	24.20	1.213	0.078	/
	State3			Back Side	15	519000	2595	50	28	0.09	0.071	23.36	24.20	1.213	0.086	/
Ant.0	State8	DFT-s-OFDM BPSK	SA	Front Side	15	519000	2595	1	53	-0.01	0.058	22.91	23.70	1.199	0.070	/
	State8			Back Side	15	519000	2595	1	53	-0.13	0.063	22.91	23.70	1.199	0.076	/
	State8			Front Side	15	520000	2600	50	28	-0.03	0.056	22.93	23.70	1.194	0.067	/
	State8			Back Side	15	520000	2600	50	28	-0.03	0.062	22.93	23.70	1.194	0.074	/
Hotspot																
Ant.3	State3	DFT-s-OFDM BPSK	SA	Front Side	10	520000	2600	1	53	-0.11	0.209	18.92	19.95	1.268	0.265	/
	State3			Back Side	10	520000	2600	1	53	-0.11	0.201	18.92	19.95	1.268	0.255	/
	State3			Right Edge	10	520000	2600	1	53	0.06	0.099	18.92	19.95	1.268	0.126	/
	State3			Top Edge	10	520000	2600	1	53	-0.01	0.315	18.92	19.95	1.268	**0.399**	63#
	State3			Front Side	10	518000	2590	50	56	0.02	0.183	19.05	19.95	1.230	0.225	/
	State3			Back Side	10	518000	2590	50	56	0.15	0.176	19.05	19.95	1.230	0.216	/
	State3			Right Edge	10	518000	2590	50	56	-0.04	0.081	19.05	19.95	1.230	0.100	/
	State3			Top Edge	10	518000	2590	50	56	-0.09	0.285	19.05	19.95	1.230	0.351	/
Ant.3	State8	DFT-s-OFDM BPSK	SA	Front Side	10	520000	2600	1	53	-0.11	0.209	18.92	19.70	1.197	0.250	/
	State8			Back Side	10	520000	2600	1	53	-0.11	0.201	18.92	19.70	1.197	0.241	/
	State8			Right Edge	10	520000	2600	1	53	0.06	0.099	18.92	19.70	1.197	0.119	/

	State8			Top Edge	10	520000	2600	1	53	-0.01	0.315	18.92	19.70	1.197	0.377	/
	State8			Front Side	10	518000	2590	50	56	0.02	0.183	19.05	19.70	1.161	0.212	/
	State8			Back Side	10	518000	2590	50	56	0.15	0.176	19.05	19.70	1.161	0.204	/
	State8			Right Edge	10	518000	2590	50	56	-0.04	0.081	19.05	19.70	1.161	0.094	/
	State8			Top Edge	10	518000	2590	50	56	-0.09	0.285	19.05	19.70	1.161	0.331	/
Ant.4	State3	DFT-s-OFDM BPSK	SA	Front Side	10	519000	2595	1	53	0.04	0.015	18.26	18.95	1.172	0.018	/
	State3			Back Side	10	519000	2595	1	53	0.01	0.190	18.26	18.95	1.172	0.223	/
	State3			Right Edge	10	519000	2595	1	53	0.03	0.091	18.26	18.95	1.172	0.107	/
	State3			Top Edge	10	519000	2595	1	53	0.12	0.015	18.26	18.95	1.172	0.018	/
	State3			Front Side	10	518000	2590	50	0	0.08	0.014	18.42	18.95	1.130	0.016	/
	State3			Back Side	10	518000	2590	50	0	-0.07	0.180	18.42	18.95	1.130	0.203	/
	State3			Right Edge	10	518000	2590	50	0	0.09	0.086	18.42	18.95	1.130	0.097	/
	State3			Top Edge	10	518000	2590	50	0	0.00	0.013	18.42	18.95	1.130	0.015	/
Ant.4	State8	DFT-s-OFDM BPSK	SA	Front Side	10	519000	2595	1	1	-0.01	0.008	17.75	18.45	1.175	0.009	/
	State8			Back Side	10	519000	2595	1	1	-0.16	0.071	17.75	18.45	1.175	0.083	/
	State8			Right Edge	10	519000	2595	1	1	0.13	0.039	17.75	18.45	1.175	0.046	/
	State8			Top Edge	10	519000	2595	1	1	-0.08	0.008	17.75	18.45	1.175	0.009	/
	State8			Front Side	10	520000	2600	50	28	-0.12	0.012	17.91	18.45	1.132	0.014	/
	State8			Back Side	10	520000	2600	50	28	-0.01	0.061	17.91	18.45	1.132	0.069	/
	State8			Right Edge	10	520000	2600	50	28	0.10	0.032	17.91	18.45	1.132	0.036	/
	State8			Top Edge	10	520000	2600	50	28	-0.07	0.007	17.91	18.45	1.132	0.008	/
Ant.0	State3	DFT-s-OFDM BPSK	SA	Front Side	10	520000	2600	1	53	0.03	0.281	23.42	24.20	1.197	0.336	/
	State3			Back Side	10	520000	2600	1	53	0.15	0.302	23.42	24.20	1.197	0.361	/
	State3			Left Edge	10	520000	2600	1	53	-0.06	0.006	23.42	24.20	1.197	0.007	/
	State3			Right Edge	10	520000	2600	1	53	0.05	0.047	23.42	24.20	1.197	0.056	/
	State3			Bottom Edge	10	520000	2600	1	53	0.06	0.255	23.42	24.20	1.197	0.305	/
	State3			Front Side	10	519000	2595	50	28	0.00	0.276	23.36	24.20	1.213	0.335	/
	State3			Back Side	10	519000	2595	50	28	-0.12	0.294	23.36	24.20	1.213	0.357	/
	State3			Left Edge	10	519000	2595	50	28	-0.07	0.005	23.36	24.20	1.213	0.006	/
	State3			Right Edge	10	519000	2595	50	28	-0.14	0.045	23.36	24.20	1.213	0.055	/
	State3			Bottom Edge	10	519000	2595	50	28	0.12	0.251	23.36	24.20	1.213	0.304	/
Ant.0	State8	DFT-s-OFDM BPSK	SA	Front Side	10	519000	2595	1	53	0.01	0.250	22.91	23.70	1.199	0.300	/
	State8			Back Side	10	519000	2595	1	53	-0.02	0.269	22.91	23.70	1.199	0.323	/
	State8			Left Edge	10	519000	2595	1	53	0.02	0.005	22.91	23.70	1.199	0.006	/
	State8			Right Edge	10	519000	2595	1	53	0.06	0.042	22.91	23.70	1.199	0.050	/
	State8			Bottom Edge	10	519000	2595	1	53	0.09	0.227	22.91	23.70	1.199	0.272	/
	State8			Front Side	10	520000	2600	50	28	0.14	0.246	22.93	23.70	1.194	0.294	/
	State8			Back Side	10	520000	2600	50	28	-0.06	0.262	22.93	23.70	1.194	0.313	/
	State8			Left Edge	10	520000	2600	50	28	-0.05	0.004	22.93	23.70	1.194	0.005	/
	State8			Right Edge	10	520000	2600	50	28	-0.01	0.040	22.93	23.70	1.194	0.048	/
	State8			Bottom Edge	10	520000	2600	50	28	0.04	0.224	22.93	23.70	1.194	0.267	/

11.24 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.3	State5	DFT-s-OFDM BPSK	SA	Left Cheek	0	509202	2546.01	1	137	-0.01	0.285	16.00	16.70	1.175	0.335	/
	State5			Left Tilt	0	509202	2546.01	1	137	-0.04	0.296	16.00	16.70	1.175	0.348	/
	State5			Right Cheek	0	509202	2546.01	1	137	0.01	0.524	16.00	16.70	1.175	0.616	/
	State5			Right Tilt	0	509202	2546.01	1	137	0.13	0.463	16.00	16.70	1.175	0.544	/
	State5			Left Cheek	0	523302	2616.51	135	69	-0.06	0.275	16.15	16.70	1.135	0.312	/
	State5			Left Tilt	0	523302	2616.51	135	69	0.03	0.284	16.15	16.70	1.135	0.322	/
	State5			Right Cheek	0	523302	2616.51	135	69	-0.14	0.489	16.15	16.70	1.135	0.555	/
	State5			Right Tilt	0	523302	2616.51	135	69	0.02	0.425	16.15	16.70	1.135	0.482	/
Ant.3	State10	DFT-s-OFDM BPSK	SA	Left Cheek	0	509202	2546.01	1	1	-0.13	0.414	17.53	18.20	1.167	0.483	/
	State10			Left Tilt	0	509202	2546.01	1	1	0.14	0.437	17.53	18.20	1.167	0.510	/
	State10			Right Cheek	0	509202	2546.01	1	1	0.14	0.778	17.53	18.20	1.167	0.908	/
	State10			Right Tilt	0	509202	2546.01	1	1	0.16	0.716	17.53	18.20	1.167	0.836	/
	State10			Left Cheek	0	528000	2640	135	0	0.12	0.353	17.55	18.20	1.161	0.410	/
	State10			Left Tilt	0	528000	2640	135	0	-0.07	0.381	17.55	18.20	1.161	0.442	/
	State10			Right Cheek	0	528000	2640	135	0	-0.08	0.710	17.55	18.20	1.161	0.824	/
	State10			Right Tilt	0	528000	2640	135	0	0.01	0.697	17.55	18.20	1.161	0.809	/
	State10			Right Cheek	0	513900	2569.5	1	1	-0.16	0.596	17.52	18.20	1.169	0.697	/
	State10			Right Cheek	0	518598	2592.99	1	137	0.01	0.822	17.47	18.20	1.183	**0.972**	64#
	State10			Right Cheek	0	523302	2616.51	1	1	0.10	0.783	17.36	18.20	1.213	0.950	/
	State10			Right Cheek	0	528000	2640	1	1	0.11	0.770	17.38	18.20	1.208	0.930	/
	State10			Right Cheek	0	509202	2546.01	135	0	-0.13	0.658	17.43	18.20	1.194	0.786	/
	State10			Right Cheek	0	513900	2569.5	135	69	-0.03	0.624	17.47	18.20	1.183	0.738	/
	State10			Right Cheek	0	518598	2592.99	135	0	-0.11	0.725	17.46	18.20	1.186	0.860	/
	State10			Right Cheek	0	523302	2616.51	135	0	0.16	0.746	17.52	18.20	1.169	0.872	/
	State10			Right Cheek	0	523302	2616.51	270	0	0.04	0.684	17.47	18.20	1.183	0.809	/
	State10			Right Tilt	0	513900	2569.5	1	137	-0.16	0.579	17.52	18.20	1.169	0.677	/
	State10			Right Tilt	0	518598	2592.99	1	137	0.00	0.733	17.47	18.20	1.183	0.867	/
	State10			Right Tilt	0	523302	2616.51	1	1	-0.08	0.638	17.36	18.20	1.213	0.774	/
	State10			Right Tilt	0	528000	2640	1	1	-0.01	0.650	17.38	18.20	1.208	0.785	/
	State10			Right Tilt	0	509202	2546.01	135	0	-0.07	0.629	17.43	18.20	1.194	0.751	/
	State10			Right Tilt	0	513900	2569.5	135	69	0.12	0.539	17.47	18.20	1.183	0.638	/
	State10			Right Tilt	0	518598	2592.99	135	69	-0.11	0.579	17.46	18.20	1.186	0.687	/
	State10			Right Tilt	0	523302	2616.51	135	0	0.00	0.601	17.52	18.20	1.169	0.703	/
	State10			Right Tilt	0	513900	2569.5	270	0	0.08	0.570	17.47	18.20	1.183	0.674	/
Ant.4	State5&10		SA	Left Cheek	0	509202	2546.01	1	137	-0.06	0.052	22.45	23.20	1.189	0.062	/
	State5&10			Left Tilt	0	509202	2546.01	1	137	-0.09	0.035	22.45	23.20	1.189	0.042	/

	State5&10	DFT-s-OFDM BPSK		Right Cheek	0	509202	2546.01	1	137	0.01	0.099	22.45	23.20	1.189	0.118	/
	State5&10			Right Tilt	0	509202	2546.01	1	137	0.12	0.061	22.45	23.20	1.189	0.073	/
	State5&10			Left Cheek	0	509202	2546.01	135	69	0.05	0.057	22.54	23.20	1.164	0.066	/
	State5&10			Left Tilt	0	509202	2546.01	135	69	0.09	0.035	22.54	23.20	1.164	0.041	/
	State5&10			Right Cheek	0	509202	2546.01	135	69	-0.05	0.093	22.54	23.20	1.164	0.108	/
	State5&10			Right Tilt	0	509202	2546.01	135	69	0.00	0.057	22.54	23.20	1.164	0.066	/
Ant.0	State5&10	DFT-s-OFDM BPSK	SA	Left Cheek	0	523302	2616.51	1	137	0.06	0.048	23.42	24.20	1.197	0.057	/
	State5&10			Left Tilt	0	523302	2616.51	1	137	-0.01	0.018	23.42	24.20	1.197	0.022	/
	State5&10			Right Cheek	0	523302	2616.51	1	137	-0.10	0.099	23.42	24.20	1.197	0.119	/
	State5&10			Right Tilt	0	523302	2616.51	1	137	0.07	0.024	23.42	24.20	1.197	0.029	/
	State5&10			Left Cheek	0	509202	2546.01	135	69	0.11	0.047	23.53	24.20	1.167	0.055	/
	State5&10			Left Tilt	0	509202	2546.01	135	69	0.10	0.018	23.53	24.20	1.167	0.021	/
	State5&10			Right Cheek	0	509202	2546.01	135	69	-0.06	0.087	23.53	24.20	1.167	0.102	/
	State5&10			Right Tilt	0	509202	2546.01	135	69	-0.01	0.023	23.53	24.20	1.167	0.027	/
Body-worn																
Ant.3	State3	DFT-s-OFDM BPSK	SA	Front Side	15	509202	2546.01	1	137	-0.02	0.033	15.49	16.45	1.247	0.041	/
	State3			Back Side	15	509202	2546.01	1	137	-0.07	0.029	15.49	16.45	1.247	0.036	/
	State3			Front Side	15	509202	2546.01	135	69	-0.06	0.031	15.66	16.45	1.199	0.037	/
	State3			Back Side	15	509202	2546.01	135	69	0.10	0.028	15.66	16.45	1.199	0.034	/
Ant.3	State8	DFT-s-OFDM BPSK	SA	Front Side	15	509202	2546.01	1	137	-0.02	0.033	15.49	16.20	1.178	0.039	/
	State8			Back Side	15	509202	2546.01	1	137	-0.07	0.029	15.49	16.20	1.178	0.034	/
	State8			Front Side	15	509202	2546.01	135	69	-0.06	0.031	15.66	16.20	1.132	0.035	/
	State8			Back Side	15	509202	2546.01	135	69	0.10	0.028	15.66	16.20	1.132	0.032	/
Ant.4	State3	DFT-s-OFDM BPSK	SA	Front Side	15	509202	2546.01	1	137	0.01	0.008	18.42	19.20	1.197	0.010	/
	State3			Back Side	15	509202	2546.01	1	137	-0.01	0.067	18.42	19.20	1.197	**0.080**	65#
	State3			Front Side	15	513900	2569.5	135	69	0.05	0.008	18.37	19.20	1.211	0.010	/
	State3			Back Side	15	513900	2569.5	135	69	-0.16	0.065	18.37	19.20	1.211	0.079	/
Ant.4	State8	DFT-s-OFDM BPSK	SA	Front Side	15	509202	2546.01	1	137	0.01	0.008	18.42	18.95	1.130	0.009	/
	State8			Back Side	15	509202	2546.01	1	137	-0.01	0.067	18.42	18.95	1.130	0.076	/
	State8			Front Side	15	513900	2569.5	135	69	0.05	0.008	18.37	18.95	1.143	0.009	/
	State8			Back Side	15	513900	2569.5	135	69	-0.16	0.065	18.37	18.95	1.143	0.074	/
Ant.0	State3	DFT-s-OFDM BPSK	SA	Front Side	15	523302	2616.51	1	137	-0.10	0.034	20.37	21.20	1.211	0.041	/
	State3			Back Side	15	523302	2616.51	1	137	-0.16	0.042	20.37	21.20	1.211	0.051	/
	State3			Front Side	15	513900	2569.5	135	69	-0.10	0.032	20.64	21.20	1.138	0.036	/
	State3			Back Side	15	513900	2569.5	135	69	0.00	0.040	20.64	21.20	1.138	0.046	/
Ant.0	State8	DFT-s-OFDM BPSK	SA	Front Side	15	523302	2616.51	1	137	-0.10	0.034	20.37	20.95	1.143	0.039	/
	State8			Back Side	15	523302	2616.51	1	137	-0.16	0.042	20.37	20.95	1.143	0.048	/
	State8			Front Side	15	513900	2569.5	135	69	-0.10	0.032	20.64	20.95	1.074	0.034	/
	State8			Back Side	15	513900	2569.5	135	69	0.00	0.040	20.64	20.95	1.074	0.043	/
Hotspot																
Ant.3	State3	DFT-s-OFDM BPSK	SA	Front Side	10	509202	2546.01	1	137	-0.02	0.086	15.49	16.45	1.247	0.107	/
	State3			Back Side	10	509202	2546.01	1	137	-0.06	0.081	15.49	16.45	1.247	0.101	/
	State3			Right Edge	10	509202	2546.01	1	137	0.01	0.039	15.49	16.45	1.247	0.049	/

	State3			Top Edge	10	509202	2546.01	1	137	-0.02	0.122	15.49	16.45	1.247	0.152	/
	State3			Front Side	10	509202	2546.01	135	69	-0.03	0.082	15.66	16.45	1.199	0.098	/
	State3			Back Side	10	509202	2546.01	135	69	0.04	0.076	15.66	16.45	1.199	0.091	/
	State3			Right Edge	10	509202	2546.01	135	69	-0.13	0.036	15.66	16.45	1.199	0.043	/
	State3			Top Edge	10	509202	2546.01	135	69	0.13	0.118	15.66	16.45	1.199	0.141	/
Ant.3	State8	DFT-s-OFDM BPSK	SA	Front Side	10	509202	2546.01	1	137	-0.02	0.086	15.49	16.20	1.178	0.101	/
	State8			Back Side	10	509202	2546.01	1	137	-0.06	0.081	15.49	16.20	1.178	0.095	/
	State8			Right Edge	10	509202	2546.01	1	137	0.01	0.039	15.49	16.20	1.178	0.046	/
	State8			Top Edge	10	509202	2546.01	1	137	-0.02	0.122	15.49	16.20	1.178	0.144	/
	State8			Front Side	10	509202	2546.01	135	69	-0.03	0.082	15.66	16.20	1.132	0.093	/
	State8			Back Side	10	509202	2546.01	135	69	0.04	0.076	15.66	16.20	1.132	0.086	/
	State8			Right Edge	10	509202	2546.01	135	69	-0.13	0.036	15.66	16.20	1.132	0.041	/
	State8			Top Edge	10	509202	2546.01	135	69	0.13	0.118	15.66	16.20	1.132	0.134	/
Ant.4	State3	DFT-s-OFDM BPSK	SA	Front Side	10	509202	2546.01	1	137	-0.09	0.018	18.42	19.20	1.197	0.022	/
	State3			Back Side	10	509202	2546.01	1	137	-0.01	0.199	18.42	19.20	1.197	**0.238**	66#
	State3			Right Edge	10	509202	2546.01	1	137	-0.08	0.111	18.42	19.20	1.197	0.133	/
	State3			Top Edge	10	509202	2546.01	1	137	0.00	0.009	18.42	19.20	1.197	0.011	/
	State3			Front Side	10	513900	2569.5	135	69	0.13	0.015	18.37	19.20	1.211	0.018	/
	State3			Back Side	10	513900	2569.5	135	69	0.04	0.185	18.37	19.20	1.211	0.224	/
	State3			Right Edge	10	513900	2569.5	135	69	0.04	0.102	18.37	19.20	1.211	0.124	/
	State3			Top Edge	10	513900	2569.5	135	69	-0.15	0.009	18.37	19.20	1.211	0.011	/
Ant.4	State8	DFT-s-OFDM BPSK	SA	Front Side	10	509202	2546.01	1	137	-0.09	0.018	18.42	18.95	1.130	0.020	/
	State8			Back Side	10	509202	2546.01	1	137	-0.01	0.199	18.42	18.95	1.130	0.225	/
	State8			Right Edge	10	509202	2546.01	1	137	-0.08	0.111	18.42	18.95	1.130	0.125	/
	State8			Top Edge	10	509202	2546.01	1	137	0.00	0.009	18.42	18.95	1.130	0.010	/
	State8			Front Side	10	513900	2569.5	135	69	0.13	0.015	18.37	18.95	1.143	0.017	/
	State8			Back Side	10	513900	2569.5	135	69	0.04	0.185	18.37	18.95	1.143	0.211	/
	State8			Right Edge	10	513900	2569.5	135	69	0.04	0.102	18.37	18.95	1.143	0.117	/
	State8			Top Edge	10	513900	2569.5	135	69	-0.15	0.009	18.37	18.95	1.143	0.010	/
Ant.0	State3	DFT-s-OFDM BPSK	SA	Front Side	10	523302	2616.51	1	137	0.10	0.133	20.37	21.20	1.211	0.161	/
	State3			Back Side	10	523302	2616.51	1	137	-0.05	0.146	20.37	21.20	1.211	0.177	/
	State3			Left Edge	10	523302	2616.51	1	137	0.16	0.084	20.37	21.20	1.211	0.102	/
	State3			Right Edge	10	523302	2616.51	1	137	0.07	0.025	20.37	21.20	1.211	0.030	/
	State3			Bottom Edge	10	523302	2616.51	1	137	-0.08	0.128	20.37	21.20	1.211	0.155	/
	State3			Front Side	10	513900	2569.5	135	69	0.05	0.054	20.64	21.20	1.138	0.061	/
	State3			Back Side	10	513900	2569.5	135	69	0.09	0.072	20.64	21.20	1.138	0.082	/
	State3			Left Edge	10	513900	2569.5	135	69	0.14	0.071	20.64	21.20	1.138	0.081	/
	State3			Right Edge	10	513900	2569.5	135	69	0.14	0.000	20.64	21.20	1.138	0.000	/
	State3			Bottom Edge	10	513900	2569.5	135	69	0.09	0.112	20.64	21.20	1.138	0.127	/
Ant.0	State8	DFT-s-OFDM BPSK	SA	Front Side	10	523302	2616.51	1	137	0.10	0.133	20.37	20.95	1.143	0.152	/
	State8			Back Side	10	523302	2616.51	1	137	-0.05	0.146	20.37	20.95	1.143	0.167	/
	State8			Left Edge	10	523302	2616.51	1	137	0.16	0.084	20.37	20.95	1.143	0.096	/
	State8			Right Edge	10	523302	2616.51	1	137	0.07	0.025	20.37	20.95	1.143	0.029	/

	State8			Bottom Edge	10	523302	2616.51	1	137	-0.08	0.128	20.37	20.95	1.143	0.146	/
	State8			Front Side	10	513900	2569.5	135	69	0.05	0.054	20.64	20.95	1.074	0.058	/
	State8			Back Side	10	513900	2569.5	135	69	0.09	0.072	20.64	20.95	1.074	0.077	/
	State8			Left Edge	10	513900	2569.5	135	69	0.14	0.071	20.64	20.95	1.074	0.076	/
	State8			Right Edge	10	513900	2569.5	135	69	0.14	0.000	20.64	20.95	1.074	0.000	/
	State8			Bottom Edge	10	513900	2569.5	135	69	0.09	0.112	20.64	20.95	1.074	0.120	/

11.25 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.9	Level1	802.11 b	Left Cheek	0	3	2422	0.10	0.350	14.51	16.50	1.581	99.60	1.004	0.556	/
	Level1	802.11 b	Left Tilt	0	3	2422	-0.08	0.329	14.51	16.50	1.581	99.60	1.004	0.522	/
	Level1	802.11 b	Right Cheek	0	3	2422	0.07	0.257	14.51	16.50	1.581	99.60	1.004	0.408	/
	Level1	802.11 b	Right Tilt	0	3	2422	0.09	0.179	14.51	16.50	1.581	99.60	1.004	0.284	/
Ant.9	Level1	802.11 n(HT40)	Left Cheek	0	6	2437	-0.11	0.624	17.09	19.00	1.552	94.80	1.055	**1.022**	67#
	Level1	802.11 n(HT40)	Left Tilt	0	6	2437	-0.08	0.587	17.09	19.00	1.552	94.80	1.055	0.961	/
	Level1	802.11 n(HT40)	Right Cheek	0	6	2437	0.02	0.460	17.09	19.00	1.552	94.80	1.055	0.753	/
	Level1	802.11 n(HT40)	Right Tilt	0	6	2437	0.09	0.317	17.09	19.00	1.552	94.80	1.055	0.519	/
	Level1	802.11 n(HT40)	Left Cheek	0	4	2427	-0.08	0.564	17.05	19.00	1.567	94.80	1.055	0.932	/
	Level1	802.11 n(HT40)	Left Cheek	0	8	2447	0.10	0.609	17.04	19.00	1.570	94.80	1.055	1.009	/
	Level1	802.11 n(HT40)	Left Tilt	0	4	2427	-0.09	0.514	17.05	19.00	1.567	94.80	1.055	0.850	/
	Level1	802.11 n(HT40)	Left Tilt	0	8	2447	0.01	0.552	17.04	19.00	1.570	94.80	1.055	0.914	/
Ant.9	Level3	802.11 b	Left Cheek	0	4	2427	-0.01	0.350	14.22	16.00	1.507	99.60	1.004	0.530	/
	Level3	802.11 b	Left Tilt	0	4	2427	0.02	0.328	14.22	16.00	1.507	99.60	1.004	0.496	/
	Level3	802.11 b	Right Cheek	0	4	2427	0.09	0.256	14.22	16.00	1.507	99.60	1.004	0.387	/
	Level3	802.11 b	Right Tilt	0	4	2427	0.05	0.175	14.22	16.00	1.507	99.60	1.004	0.265	/
Body-Wron															
Ant.9	Level5&7	802.11 b	Front Side	15	3	2422	-0.01	0.073	14.51	16.50	1.581	99.60	1.004	0.116	/
	Level5&7	802.11 b	Back Side	15	3	2422	-0.05	0.084	14.51	16.50	1.581	99.60	1.004	0.133	/
Ant.9	Level5&7	802.11 n(HT40)	Front Side	15	6	2437	0.01	0.128	17.09	19.00	1.552	94.80	1.055	0.210	/
	Level5&7	802.11 n(HT40)	Back Side	15	6	2437	-0.14	0.147	17.09	19.00	1.552	94.80	1.055	**0.241**	68#
Hotspot															
Ant.9	Level7	802.11 b	Front Side	10	3	2422	-0.04	0.187	14.51	16.50	1.581	99.60	1.004	0.297	/
	Level7	802.11 b	Back Side	10	3	2422	0.09	0.193	14.51	16.50	1.581	99.60	1.004	0.306	/
	Level7	802.11 b	Left Edge	10	3	2422	-0.10	0.180	14.51	16.50	1.581	99.60	1.004	0.286	/
	Level7	802.11 b	Top Edge	10	3	2422	0.05	0.105	14.51	16.50	1.581	99.60	1.004	0.167	/

Ant.9	Level7	802.11 n(HT40)	Front Side	10	6	2437	0.00	0.343	17.09	19.00	1.552	94.80	1.055	0.562	/
	Level7	802.11 n(HT40)	Back Side	10	6	2437	0.02	0.349	17.09	19.00	1.552	94.80	1.055	**0.571**	69#
	Level7	802.11 n(HT40)	Left Edge	10	6	2437	0.05	0.329	17.09	19.00	1.552	94.80	1.055	0.539	/
	Level7	802.11 n(HT40)	Top Edge	10	6	2437	0.07	0.189	17.09	19.00	1.552	94.80	1.055	0.309	/
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)	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.9	Level5&7	802.11 b	Front Side	0	3	2422	-0.08	0.352	14.51	16.50	1.581	99.60	1.004	0.559	/
	Level5&7	802.11 b	Back Side	0	3	2422	0.08	0.476	14.51	16.50	1.581	99.60	1.004	0.756	/
	Level5&7	802.11 b	Left Edge	0	3	2422	-0.10	0.353	14.51	16.50	1.581	99.60	1.004	0.560	/
	Level5&7	802.11 b	Top Edge	0	3	2422	0.09	0.398	14.51	16.50	1.581	99.60	1.004	0.632	/
Ant.9	Level5&7	802.11 n(HT40)	Front Side	0	6	2437	-0.01	0.646	17.09	19.00	1.552	94.80	1.055	1.058	/
	Level5&7	802.11 n(HT40)	Back Side	0	6	2437	-0.05	0.865	17.09	19.00	1.552	94.80	1.055	**1.416**	70#
	Level5&7	802.11 n(HT40)	Left Edge	0	6	2437	0.00	0.639	17.09	19.00	1.552	94.80	1.055	1.046	/
	Level5&7	802.11 n(HT40)	Top Edge	0	6	2437	-0.03	0.729	17.09	19.00	1.552	94.80	1.055	1.194	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.															

11.26 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.8	5.3G	Level1&2	802.11 ac (VHT80)	Left Cheek	0	58	5290	0.09	0.604	13.11	14.00	1.227	87.90	1.138	0.843	/
	5.3G	Level1&2	802.11 ac (VHT80)	Left Tilt	0	58	5290	-0.10	0.683	13.11	14.00	1.227	87.90	1.138	**0.954**	71#
	5.3G	Level1&2	802.11 ac (VHT80)	Right Cheek	0	58	5290	-0.09	0.451	13.11	14.00	1.227	87.90	1.138	0.630	/
	5.3G	Level1&2	802.11 ac (VHT80)	Right Tilt	0	58	5290	-0.09	0.308	13.11	14.00	1.227	87.90	1.138	0.430	/
Ant.8	5.3G	Level3&4	802.11 ac (VHT80)	Left Cheek	0	58	5290	0.09	0.259	9.59	10.50	1.233	87.90	1.138	0.363	/
	5.3G	Level3&4	802.11 ac (VHT80)	Left Tilt	0	58	5290	0.04	0.303	9.59	10.50	1.233	87.90	1.138	0.425	/
	5.3G	Level3&4	802.11 ac (VHT80)	Right Cheek	0	58	5290	-0.10	0.200	9.59	10.50	1.233	87.90	1.138	0.281	/
	5.3G	Level3&4	802.11 ac (VHT80)	Right Tilt	0	58	5290	0.06	0.138	9.59	10.50	1.233	87.90	1.138	0.194	/
Ant.8	5.6G	Level1&2	802.11 ac (VHT80)	Left Cheek	0	122	5610	0.04	0.465	12.02	13.00	1.253	87.90	1.138	0.663	/
	5.6G	Level1&2	802.11 ac (VHT80)	Left Tilt	0	122	5610	-0.14	0.644	12.02	13.00	1.253	87.90	1.138	**0.918**	72#
	5.6G	Level1&2	802.11 ac (VHT80)	Right Cheek	0	122	5610	-0.06	0.287	12.02	13.00	1.253	87.90	1.138	0.409	/
	5.6G	Level1&2	802.11 ac (VHT80)	Right Tilt	0	122	5610	0.10	0.185	12.02	13.00	1.253	87.90	1.138	0.264	/
	5.6G	Level1&2	802.11 ac (VHT80)	Left Tilt	0	106	5530	0.08	0.603	11.95	13.00	1.274	87.90	1.138	0.874	/
Ant.8	5.6G	Level3&4	802.11 ac (VHT80)	Left Cheek	0	122	5610	-0.06	0.231	9.04	10.00	1.247	87.90	1.138	0.328	/
	5.6G	Level3&4	802.11 ac (VHT80)	Left Tilt	0	122	5610	0.00	0.325	9.04	10.00	1.247	87.90	1.138	0.461	/
	5.6G	Level3&4	802.11 ac (VHT80)	Right Cheek	0	122	5610	-0.02	0.142	9.04	10.00	1.247	87.90	1.138	0.202	/
	5.6G	Level3&4	802.11 ac (VHT80)	Right Tilt	0	122	5610	0.04	0.094	9.04	10.00	1.247	87.90	1.138	0.133	/
Ant.8	5.8G	Level1&2	802.11 ac (VHT80)	Left Cheek	0	155	5775	0.12	0.569	12.64	13.50	1.219	87.90	1.138	0.789	/

	5.8G	Level1&2	802.11 ac (VHT80)	Left Tilt	0	155	5775	-0.11	0.823	12.64	13.50	1.219	87.90	1.138	**1.142**	73#
	5.8G	Level1&2	802.11 ac (VHT80)	Right Cheek	0	155	5775	0.05	0.381	12.64	13.50	1.219	87.90	1.138	0.529	/
	5.8G	Level1&2	802.11 ac (VHT80)	Right Tilt	0	155	5775	-0.06	0.266	12.64	13.50	1.219	87.90	1.138	0.369	/
Ant.8	5.8G	Level3&4	802.11 ac (VHT80)	Left Cheek	0	155	5775	0.06	0.256	9.57	10.50	1.239	87.90	1.138	0.361	/
	5.8G	Level3&4	802.11 ac (VHT80)	Left Tilt	0	155	5775	0.03	0.413	9.57	10.50	1.239	87.90	1.138	0.582	/
	5.8G	Level3&4	802.11 ac (VHT80)	Right Cheek	0	155	5775	-0.08	0.190	9.57	10.50	1.239	87.90	1.138	0.268	/
	5.8G	Level3&4	802.11 ac (VHT80)	Right Tilt	0	155	5775	0.07	0.135	9.57	10.50	1.239	87.90	1.138	0.190	/
Body-worn																
Ant.8	5.3G	Level5&6	802.11 n(HT40)	Front Side	15	54	5270	-0.12	0.096	15.03	16.00	1.250	94.60	1.057	0.127	/
	5.3G	Level5&6	802.11 n(HT40)	Back Side	15	54	5270	-0.01	0.132	15.03	16.00	1.250	94.60	1.057	**0.174**	74#
Ant.8	5.3G	Level7&8	802.11 ac (VHT80)	Front Side	15	58	5290	0.07	0.050	12.08	13.00	1.236	87.90	1.138	0.070	/
	5.3G	Level7&8	802.11 ac (VHT80)	Back Side	15	58	5290	-0.04	0.068	12.08	13.00	1.236	87.90	1.138	0.096	/
Ant.8	5.6G	Level5&6	802.11 n(HT40)	Front Side	15	118	5590	0.07	0.131	14.91	16.00	1.285	94.60	1.057	0.178	/
	5.6G	Level5&6	802.11 n(HT40)	Back Side	15	118	5590	0.17	0.188	14.91	16.00	1.285	94.60	1.057	**0.255**	75#
Ant.8	5.6G	Level7&8	802.11 ac (VHT80)	Front Side	15	106	5530	0.11	0.068	12.19	13.00	1.205	87.90	1.138	0.093	/
	5.6G	Level7&8	802.11 ac (VHT80)	Back Side	15	106	5530	-0.03	0.096	12.19	13.00	1.205	87.90	1.138	0.132	/
Ant.8	5.8G	Level5&6	802.11 ac (VHT80)	Front Side	15	155	5775	0.10	0.168	16.92	17.00	1.019	87.90	1.138	0.195	/
	5.8G	Level5&6	802.11 ac (VHT80)	Back Side	15	155	5775	-0.12	0.256	16.92	17.00	1.019	87.90	1.138	**0.297**	76#
Ant.8	5.8G	Level7&8	802.11 ac (VHT80)	Front Side	15	155	5775	0.10	0.086	13.95	14.00	1.012	87.90	1.138	0.099	/
	5.8G	Level7&8	802.11 ac (VHT80)	Back Side	15	155	5775	-0.07	0.131	13.95	14.00	1.012	87.90	1.138	0.151	/
Hotspot																
Ant.8	5.2G	Level6	802.11 n(HT40)	Front Side	10	46	5230	-0.06	0.091	14.92	16.00	1.282	94.60	1.057	0.123	/

	5.2G	Level6	802.11 n(HT40)	Back Side	10	46	5230	0.08	0.123	14.92	16.00	1.282	94.60	1.057	0.167	/
	5.2G	Level6	802.11 n(HT40)	Left Edge	10	46	5230	0.00	0.027	14.92	16.00	1.282	94.60	1.057	0.037	/
	5.2G	Level6	802.11 n(HT40)	Top Edge	10	46	5230	0.10	0.404	14.92	16.00	1.282	94.60	1.057	**0.547**	77#
Ant.8	5.2G	Level7&8	802.11 ac (VHT80)	Front Side	10	42	5210	-0.03	0.045	12.23	13.00	1.194	87.90	1.138	0.061	/
	5.2G	Level7&8	802.11 ac (VHT80)	Back Side	10	42	5210	0.00	0.059	12.23	13.00	1.194	87.90	1.138	0.080	/
	5.2G	Level7&8	802.11 ac (VHT80)	Left Edge	10	42	5210	0.10	0.013	12.23	13.00	1.194	87.90	1.138	0.018	/
	5.2G	Level7&8	802.11 ac (VHT80)	Top Edge	10	42	5210	-0.04	0.201	12.23	13.00	1.194	87.90	1.138	0.273	/
Ant.8	5.8G	Level6	802.11 ac (VHT80)	Front Side	10	155	5775	-0.07	0.198	16.92	17.00	1.019	87.90	1.138	0.230	/
	5.8G	Level6	802.11 ac (VHT80)	Back Side	10	155	5775	0.02	0.268	16.92	17.00	1.019	87.90	1.138	0.311	/
	5.8G	Level6	802.11 ac (VHT80)	Left Edge	10	155	5775	-0.02	0.097	16.92	17.00	1.019	87.90	1.138	0.112	/
	5.8G	Level6	802.11 ac (VHT80)	Top Edge	10	155	5775	-0.06	0.844	16.92	17.00	1.019	87.90	1.138	**0.979**	78#
Ant.8	5.8G	Level7&8	802.11 ac (VHT80)	Front Side	10	155	5775	-0.05	0.097	13.95	14.00	1.012	87.90	1.138	0.112	/
	5.8G	Level7&8	802.11 ac (VHT80)	Back Side	10	155	5775	0.09	0.132	13.95	14.00	1.012	87.90	1.138	0.152	/
	5.8G	Level7&8	802.11 ac (VHT80)	Left Edge	10	155	5775	-0.09	0.047	13.95	14.00	1.012	87.90	1.138	0.054	/
	5.8G	Level7&8	802.11 ac (VHT80)	Top Edge	10	155	5775	-0.03	0.421	13.95	14.00	1.012	87.90	1.138	0.485	/
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.8	5.3G	Level5&6	802.11 n(HT40)	Front Side	0	54	5270	0.01	0.375	15.03	16.00	1.250	94.60	1.057	0.495	/
	5.3G	Level5&6	802.11 n(HT40)	Back Side	0	54	5270	0.00	0.338	15.03	16.00	1.250	94.60	1.057	0.447	/
	5.3G	Level5&6	802.11 n(HT40)	Left Edge	0	54	5270	0.05	0.053	15.03	16.00	1.250	94.60	1.057	0.070	/
	5.3G	Level5&6	802.11 n(HT40)	Top Edge	0	54	5270	0.05	1.290	15.03	16.00	1.250	94.60	1.057	**1.704**	79#
Ant.8	5.3G	Level7&8	802.11 ac (VHT80)	Front Side	0	58	5290	-0.02	0.187	12.08	13.00	1.236	87.90	1.138	0.263	/
	5.3G	Level7&8	802.11 ac (VHT80)	Back Side	0	58	5290	-0.10	0.171	12.08	13.00	1.236	87.90	1.138	0.241	/
	5.3G	Level7&8	802.11 ac (VHT80)	Left Edge	0	58	5290	0.02	0.028	12.08	13.00	1.236	87.90	1.138	0.039	/
	5.3G	Level7&8	802.11 ac (VHT80)	Top Edge	0	58	5290	0.10	0.645	12.08	13.00	1.236	87.90	1.138	0.907	/
Ant.8	5.6G	Level5&6	802.11 n(HT40)	Front Side	0	118	5590	-0.08	0.535	14.91	16.00	1.285	94.60	1.057	0.727	/
	5.6G	Level5&6	802.11 n(HT40)	Back Side	0	118	5590	-0.03	0.561	14.91	16.00	1.285	94.60	1.057	0.762	/
	5.6G	Level5&6	802.11 n(HT40)	Left Edge	0	118	5590	-0.05	0.107	14.91	16.00	1.285	94.60	1.057	0.145	/
	5.6G	Level5&6	802.11 n(HT40)	Top Edge	0	118	5590	0.05	1.450	14.91	16.00	1.285	94.60	1.057	**1.969**	80#
Ant.8	5.6G	Level7&8	802.11 ac (VHT80)	Front Side	0	106	5530	-0.04	0.272	12.19	13.00	1.205	87.90	1.138	0.373	/
	5.6G	Level7&8	802.11 ac (VHT80)	Back Side	0	106	5530	0.04	0.285	12.19	13.00	1.205	87.90	1.138	0.391	/
	5.6G	Level7&8	802.11 ac (VHT80)	Left Edge	0	106	5530	-0.06	0.053	12.19	13.00	1.205	87.90	1.138	0.073	/
	5.6G	Level7&8	802.11 ac (VHT80)	Top Edge	0	106	5530	0.03	0.730	12.19	13.00	1.205	87.90	1.138	1.001	/
Ant.8	5.8G	Level5&6	802.11 ac (VHT80)	Front Side	0	155	5775	0.00	1.290	16.92	17.00	1.019	87.90	1.138	1.496	/
	5.8G	Level5&6	802.11 ac (VHT80)	Back Side	0	155	5775	0.01	0.825	16.92	17.00	1.019	87.90	1.138	0.957	/
	5.8G	Level5&6	802.11 ac (VHT80)	Left Edge	0	155	5775	-0.07	0.320	16.92	17.00	1.019	87.90	1.138	0.371	/

	5.8G	Level5&6	802.11 ac (VHT80)	Top Edge	0	155	5775	0.09	1.760	16.92	17.00	1.019	87.90	1.138	**2.041**	81#
Ant.8	5.8G	Level7&8	802.11 ac (VHT80)	Front Side	0	155	5775	0.01	0.648	13.95	14.00	1.012	87.90	1.138	0.746	/
	5.8G	Level7&8	802.11 ac (VHT80)	Back Side	0	155	5775	0.02	0.465	13.95	14.00	1.012	87.90	1.138	0.536	/
	5.8G	Level7&8	802.11 ac (VHT80)	Left Edge	0	155	5775	-0.05	0.163	13.95	14.00	1.012	87.90	1.138	0.188	/
	5.8G	Level7&8	802.11 ac (VHT80)	Top Edge	0	155	5775	0.02	0.875	13.95	14.00	1.012	87.90	1.138	1.008	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.																

11.27 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.9	DH5	Left Cheek	0	78	2480	0.05	0.212	15.08	17.00	1.556	76.61	1.305	**0.430**	82#
Ant.9	DH5	Left Tilt	0	78	2480	0.00	0.209	15.08	17.00	1.556	76.61	1.305	0.424	/
Ant.9	DH5	Right Cheek	0	78	2480	-0.03	0.154	15.08	17.00	1.556	76.61	1.305	0.313	/
Ant.9	DH5	Right Tilt	0	78	2480	0.11	0.106	15.08	17.00	1.556	76.61	1.305	0.215	/
Body-worn														
Ant.9	DH5	Front Side	15	78	2480	-0.10	0.040	15.08	17.00	1.556	76.61	1.305	0.081	/
Ant.9	DH5	Back Side	15	78	2480	-0.13	0.043	15.08	17.00	1.556	76.61	1.305	**0.087**	83#
Hotspot														
Ant.9	DH5	Front Side	10	78	2480	0.05	0.098	15.08	17.00	1.556	76.61	1.305	0.199	/
Ant.9	DH5	Back Side	10	78	2480	-0.17	0.107	15.08	17.00	1.556	76.61	1.305	**0.217**	84#
Ant.9	DH5	Left Edge	10	78	2480	0.10	0.095	15.08	17.00	1.556	76.61	1.305	0.193	/
Ant.9	DH5	Top Edge	10	78	2480	-0.06	0.064	15.08	17.00	1.556	76.61	1.305	0.130	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.														

Antenna	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.9	DH5	Front Side	0	78	2480	-0.06	0.147	15.08	17.00	1.556	76.61	1.305	0.298	/
Ant.9	DH5	Back Side	0	78	2480	-0.05	0.282	15.08	17.00	1.556	76.61	1.305	**0.573**	85#
Ant.9	DH5	Left Edge	0	78	2480	-0.10	0.158	15.08	17.00	1.556	76.61	1.305	0.321	/
Ant.9	DH5	Top Edge	0	78	2480	-0.14	0.229	15.08	17.00	1.556	76.61	1.305	0.465	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.														

11.28 NFC SAR

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

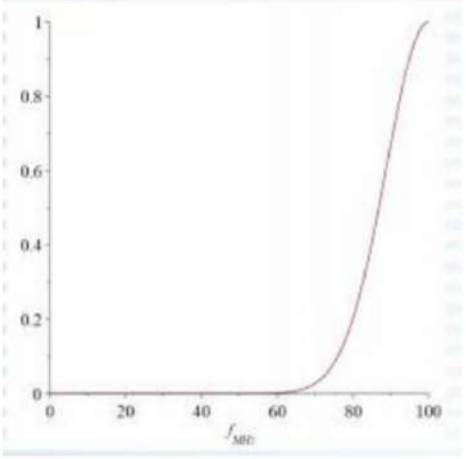
$$P_{7X}(d_{mm}, f_{MHz}) := \begin{cases} P_{6S}(d_{mm}, f_{MHz}) & f_{MHz} \le 100 \\ P_{6to7}(d_{mm}, f_{MHz}) & 100 < f_{MHz} \le 300 \\ P_{7}(d_{mm}, f_{MHz}) & 300 < f_{MHz} \end{cases}$$

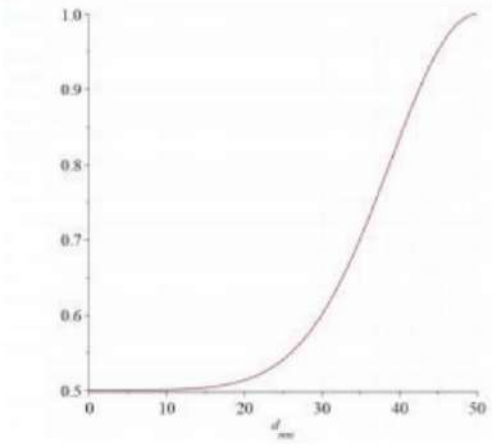
2. For portable products, when using a distance of ≤ 50mm, such as mobile phone NFC, P6s is calculated with the following formula calculate.

$$S_f(f_{MHz}) \cdot P_{431a}(d_{mm}, f_{MHz}) + \left(1 - S_f(f_{MHz})\right) \cdot S_d(d_{mm})\, P_{431b1}(50., 100.) \cdot \left(1. + log10\left(\frac{100.}{f_{MHz}}\right)\right) \qquad d_{mm} \le 50 \text{ and } f_{MHz} \le 100$$

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 ERP 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 = ERP - 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)	ERP (dBm)
NFC (13.56MHz)	13.56	53.68	10	6	-25.12
Note: 1. Add the appropriate maximum ground reflection factor to the ERP level (6 dB for frequencies ≤ 30 MHz). 2.ERP= 53.68+20*Log(10) - 104.8 + 6 =-25.12 (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)	-25.12	Pmeas.(mW)	0.00308
Pth.(mW)	443.13		
NFC Estimated 1g SAR [W/kg]	＜0.001		

11.29 Worst Case for RMX3963 of 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-Worce Case for RMX3963																
Ant.8	5.8G	Level1&2	802.11 ac (VHT80)	Left Tilt	0	155	5775	-0.05	0.773	12.64	13.50	1.219	87.90	1.138	**1.072**	86#
Body-worn-Worce Case for RMX3963																
Ant.8	5.8G	Level5&6	802.11 ac (VHT80)	Back Side	15	155	5775	0.09	0.219	16.92	17.00	1.019	87.90	1.138	**0.254**	87#
Hotspot-Worce Case for RMX3963																
Ant.8	5.8G	Level6	802.11 ac (VHT80)	Top Edge	10	155	5775	-0.02	0.838	16.92	17.00	1.019	87.90	1.138	**0.972**	88#

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-Worce Case for RMX3963																
Ant.8	5.8G	Level5&6	802.11 ac (VHT80)	Top Edge	0	155	5775	-0.04	1.620	16.92	17.00	1.019	87.90	1.138	**1.879**	89#

12 SAR Measurement Variability

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

SAR repeated measurement procedure:

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

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
848.8	GSM 850	Head	Left Cheek	0.808	Yes	0.803	1.01
848.8	GSM 850	Hotspot	Right Edge	0.840	Yes	0.835	1.01
1880	GSM 1900	Head	Right Cheek	0.821	Yes	0.802	1.02
1907.6	WCDMA Band2	Head	Right Cheek	0.989	Yes	0.988	1.00
1712.4	WCDMA Band4	Head	Right Cheek	0.861	Yes	0.834	1.03
1900	LTE Band2	Head	Right Cheek	0.880	Yes	0.859	1.02
2560	LTE Band7	Head	Right Tilt	0.896	Yes	0.881	1.02
2610	LTE Band38	Head	Right Tilt	0.897	Yes	0.885	1.01
2636.5	LTE Band41	Head	Right Tilt	0.893	Yes	0.864	1.03
2545	NR n7	Head	Right Cheek	0.929	Yes	0.907	1.02
1730	NR n66	Head	Right Cheek	0.930	Yes	0.918	1.01
2592.99	NR n41	Head	Right Cheek	0.822	Yes	0.820	1.00
5775	WIFI 5.8GHz	Head	Left Tilt	0.823	Yes	0.808	1.02
5775	WIFI 5.8GHz	Hotspot	Top Edge	0.844	Yes	0.842	1.00
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.							

13 SIMULTANEOUS TRANSMISSION

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

13.1 Simultaneous Transmission Mode Consider

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

Note:
1. WWAN antennas can switch automatically, the standards supported by WWAN are(GSM Voice/GPRS/EDGE/WCDMA/LTE/SA(5G NR)/EN-DC(LTE + 5G NR)).
2. WiFi 2.4G and Bluetooth can't transmit simultaneously.
3. The maximum SAR summation is calculated based on the same configuration and test position.

13.2 Sum SAR of Simultaneous Transmission

13.2.1 Head Simultaneous Transmission SAR Evaluation for WLAN with BT

Position	Stand alone SAR		SUM SAR
	1	2	
	5GWIFI Max.	Bluetooth	1+2
	Level2		
Left Cheek	0.843	0.430	1.273
Left Tilt	1.142	0.424	**1.566**
Right Cheek	0.630	0.313	0.943
Right Tilt	0.430	0.215	0.645
Note: 1: The highest Summed 1g SAR is 1.566 W/Kg < 1.6 W/kg, so Simultaneous Transmission SAR test is not required.			

13.2.2 Body Simultaneous Transmission SAR Evaluation for WLAN with BT

Position	Stand alone SAR		SUM SAR
	1	2	
	5GWIFI Max.	Bluetooth	1+2
	Level6		
Front Side 15mm	0.195	0.081	0.276
Back Side 15mm	0.297	0.087	**0.384**
Note: 1: The highest Summed 1g SAR is 0.384 W/Kg < 1.6 W/kg, so Simultaneous Transmission SAR test is not required.			

13.2.3 Hotspot Simultaneous Transmission SAR Evaluation for WLAN with BT

Position	Stand alone SAR		SUM SAR
	1	2	
	5GWIFI Max.	Bluetooth	1+2
	Level6		
Front Side 10mm	0.230	0.199	0.429
Back Side 10mm	0.311	0.217	0.528
Left Edge 10mm	0.112	0.193	0.305
Right Edge 10mm	0.000	0.000	0.000
Top Edge 10mm	0.979	0.130	**1.109**
Bottom Edge 10mm	0.000	0.000	0.000
Note: 1: The highest Summed 1g SAR is 1.109 W/Kg < 1.6 W/kg, so Simultaneous Transmission SAR test is not required.			

13.2.4 Specific Simultaneous Transmission SAR Evaluation for WLAN with BT

Position	Stand alone SAR		SUM SAR
	1	2	
	5GWIFI Max.	Bluetooth	1+2
	Level6		
Front Side 0mm	1.496	0.298	1.794
Back Side 0mm	0.957	0.573	1.530
Left Edge 0mm	0.371	0.321	0.692
Right Edge 0mm	0.000	0.000	0.000
Top Edge 0mm	2.041	0.465	**2.506**
Bottom Edge 0mm	0.000	0.000	0.000

Note:

1: The highest Summed 10g SAR is 2.506 W/Kg < 4.0 W/kg, so Simultaneous Transmission SAR test is not required.

13.2.5 Head Simultaneous Transmission SAR Evaluation for WWAN and WLAN and BT

Band	Antenna	Position	Stand alone SAR					SUM SAR		
			1	2	3	4	5			
			WWAN	WWAN	2.4GWIFI	5GWIFI Max.	Bluetooth	1+5	2+3	2+4+5
			State5	State10	Level3	Level3/4				
GSM850	Ant.1	Left Cheek	1.088	0.794	0.530	0.363	0.430	1.518	1.324	1.587
		Left Tilt	0.105	0.084	0.496	0.582	0.424	0.529	0.580	1.090
		Right Cheek	0.444	0.354	0.387	0.281	0.313	0.757	0.741	0.948
		Right Tilt	0.087	0.070	0.265	0.194	0.215	0.302	0.335	0.479
GSM850	Ant.0	Left Cheek	0.103	0.103	0.530	0.363	0.430	0.533	0.633	0.896
		Left Tilt	0.044	0.044	0.496	0.582	0.424	0.468	0.540	1.050
		Right Cheek	0.082	0.082	0.387	0.281	0.313	0.395	0.469	0.676
		Right Tilt	0.015	0.015	0.265	0.194	0.215	0.230	0.280	0.424
GSM1900	Ant.3	Left Cheek	0.552	0.408	0.530	0.363	0.430	0.982	0.938	1.201
		Left Tilt	0.635	0.470	0.496	0.582	0.424	1.059	0.966	1.476
		Right Cheek	1.072	0.790	0.387	0.281	0.313	1.385	1.177	1.384
		Right Tilt	0.994	0.727	0.265	0.194	0.215	1.209	0.992	1.136
GSM1900	Ant.0	Left Cheek	0.142	0.142	0.530	0.363	0.430	0.572	0.672	0.935
		Left Tilt	0.071	0.071	0.496	0.582	0.424	0.495	0.567	1.077
		Right Cheek	0.099	0.099	0.387	0.281	0.313	0.412	0.486	0.693
		Right Tilt	0.053	0.053	0.265	0.194	0.215	0.268	0.318	0.462
WCDMA B2	Ant.3	Left Cheek	0.596	0.505	0.530	0.363	0.430	1.026	1.035	1.298
		Left Tilt	0.670	0.576	0.496	0.582	0.424	1.094	1.072	1.582
		Right Cheek	1.154	0.994	0.387	0.281	0.313	1.467	1.381	1.588
		Right Tilt	1.068	0.938	0.265	0.194	0.215	1.283	1.203	1.347
WCDMA B2	Ant.0	Left Cheek	0.117	0.117	0.530	0.363	0.430	0.547	0.647	0.910
		Left Tilt	0.047	0.047	0.496	0.582	0.424	0.471	0.543	1.053
		Right Cheek	0.078	0.078	0.387	0.281	0.313	0.391	0.465	0.672
		Right Tilt	0.045	0.045	0.265	0.194	0.215	0.260	0.310	0.454
WCDMA B4	Ant.1	Left Cheek	0.521	0.392	0.530	0.363	0.430	0.951	0.922	1.185
		Left Tilt	0.572	0.429	0.496	0.582	0.424	0.996	0.925	1.435
		Right Cheek	0.926	0.695	0.387	0.281	0.313	1.239	1.082	1.289
		Right Tilt	0.873	0.660	0.265	0.194	0.215	1.088	0.925	1.069
WCDMA B4	Ant.0	Left Cheek	0.143	0.143	0.530	0.363	0.430	0.573	0.673	0.936
		Left Tilt	0.057	0.057	0.496	0.582	0.424	0.481	0.553	1.063
		Right Cheek	0.095	0.095	0.387	0.281	0.313	0.408	0.482	0.689
		Right Tilt	0.070	0.070	0.265	0.194	0.215	0.285	0.335	0.479
WCDMA B5	Ant.1	Left Cheek	0.862	0.746	0.530	0.363	0.430	1.292	1.276	1.539
		Left Tilt	0.109	0.093	0.496	0.582	0.424	0.533	0.589	1.099
		Right Cheek	0.432	0.388	0.387	0.281	0.313	0.745	0.775	0.982
		Right Tilt	0.082	0.074	0.265	0.194	0.215	0.297	0.339	0.483
WCDMA B5	Ant.0	Left Cheek	0.145	0.145	0.530	0.363	0.430	0.575	0.675	0.938

		Left Tilt	0.106	0.106	0.496	0.582	0.424	0.530	0.602	1.112
		Right Cheek	0.159	0.159	0.387	0.281	0.313	0.472	0.546	0.753
		Right Tilt	0.095	0.095	0.265	0.194	0.215	0.310	0.360	0.504
LTE B2	Ant.3	Left Cheek	0.537	0.453	0.530	0.363	0.430	0.967	0.983	1.246
		Left Tilt	0.619	0.503	0.496	0.582	0.424	1.043	0.999	1.509
		Right Cheek	1.070	0.897	0.387	0.281	0.313	1.383	1.284	1.491
		Right Tilt	1.051	0.871	0.265	0.194	0.215	1.266	1.136	1.280
LTE B2	Ant.0	Left Cheek	0.097	0.097	0.530	0.363	0.430	0.527	0.627	0.890
		Left Tilt	0.000	0.000	0.496	0.582	0.424	0.424	0.496	1.006
		Right Cheek	0.064	0.064	0.387	0.281	0.313	0.377	0.451	0.658
		Right Tilt	0.046	0.046	0.265	0.194	0.215	0.261	0.311	0.455
LTE B4	Ant.3	Left Cheek	0.600	0.470	0.530	0.363	0.430	1.030	1.000	1.263
		Left Tilt	0.585	0.459	0.496	0.582	0.424	1.009	0.955	1.465
		Right Cheek	0.878	0.650	0.387	0.281	0.313	1.191	1.037	1.244
		Right Tilt	0.796	0.610	0.265	0.194	0.215	1.011	0.875	1.019
LTE B4	Ant.0	Left Cheek	0.128	0.128	0.530	0.363	0.430	0.558	0.658	0.921
		Left Tilt	0.052	0.052	0.496	0.582	0.424	0.476	0.548	1.058
		Right Cheek	0.083	0.083	0.387	0.281	0.313	0.396	0.470	0.677
		Right Tilt	0.051	0.051	0.265	0.194	0.215	0.266	0.316	0.460
LTE B5	Ant.1	Left Cheek	0.984	0.792	0.530	0.363	0.430	1.414	1.322	1.585
		Left Tilt	0.120	0.105	0.496	0.582	0.424	0.544	0.601	1.111
		Right Cheek	0.505	0.415	0.387	0.281	0.313	0.818	0.802	1.009
		Right Tilt	0.097	0.078	0.265	0.194	0.215	0.312	0.343	0.487
LTE B5	Ant.0	Left Cheek	0.109	0.109	0.530	0.363	0.430	0.539	0.639	0.902
		Left Tilt	0.062	0.062	0.496	0.582	0.424	0.486	0.558	1.068
		Right Cheek	0.094	0.094	0.387	0.281	0.313	0.407	0.481	0.688
		Right Tilt	0.000	0.000	0.265	0.194	0.215	0.215	0.265	0.409
LTE B7	Ant.3	Left Cheek	0.392	0.392	0.530	0.363	0.430	0.822	0.922	1.185
		Left Tilt	0.407	0.407	0.496	0.582	0.424	0.831	0.903	1.413
		Right Cheek	0.732	0.732	0.387	0.281	0.313	1.045	1.119	1.326
		Right Tilt	1.143	1.143	0.265	0.194	0.215	1.358	1.408	1.552
LTE B7	Ant.4	Left Cheek	0.067	0.067	0.530	0.363	0.430	0.497	0.597	0.860
		Left Tilt	0.037	0.037	0.496	0.582	0.424	0.461	0.533	1.043
		Right Cheek	0.123	0.123	0.387	0.281	0.313	0.436	0.510	0.717
		Right Tilt	0.083	0.083	0.265	0.194	0.215	0.298	0.348	0.492
LTE B7	Ant.0	Left Cheek	0.045	0.045	0.530	0.363	0.430	0.475	0.575	0.838
		Left Tilt	0.000	0.000	0.496	0.582	0.424	0.424	0.496	1.006
		Right Cheek	0.074	0.074	0.387	0.281	0.313	0.387	0.461	0.668
		Right Tilt	0.000	0.000	0.265	0.194	0.215	0.215	0.265	0.409
LTE B12	Ant.1	Left Cheek	0.719	0.719	0.530	0.363	0.430	1.149	1.249	1.512
		Left Tilt	0.096	0.096	0.496	0.582	0.424	0.520	0.592	1.102
		Right Cheek	0.441	0.441	0.387	0.281	0.313	0.754	0.828	1.035
		Right Tilt	0.079	0.079	0.265	0.194	0.215	0.294	0.344	0.488

LTE B12	Ant.0	Left Cheek	0.172	0.172	0.530	0.363	0.430	0.602	0.702	0.965
		Left Tilt	0.090	0.090	0.496	0.582	0.424	0.514	0.586	1.096
		Right Cheek	0.203	0.203	0.387	0.281	0.313	0.516	0.590	0.797
		Right Tilt	0.075	0.075	0.265	0.194	0.215	0.290	0.340	0.484
LTE B13	Ant.1	Left Cheek	0.978	0.764	0.530	0.363	0.430	1.408	1.294	1.557
		Left Tilt	0.136	0.112	0.496	0.582	0.424	0.560	0.608	1.118
		Right Cheek	0.575	0.470	0.387	0.281	0.313	0.888	0.857	1.064
		Right Tilt	0.099	0.077	0.265	0.194	0.215	0.314	0.342	0.486
LTE B13	Ant.0	Left Cheek	0.119	0.119	0.530	0.363	0.430	0.549	0.649	0.912
		Left Tilt	0.068	0.068	0.496	0.582	0.424	0.492	0.564	1.074
		Right Cheek	0.118	0.118	0.387	0.281	0.313	0.431	0.505	0.712
		Right Tilt	0.064	0.064	0.265	0.194	0.215	0.279	0.329	0.473
LTE B17	Ant.1	Left Cheek	0.686	0.686	0.530	0.363	0.430	1.116	1.216	1.479
		Left Tilt	0.091	0.091	0.496	0.582	0.424	0.515	0.587	1.097
		Right Cheek	0.417	0.417	0.387	0.281	0.313	0.730	0.804	1.011
		Right Tilt	0.072	0.072	0.265	0.194	0.215	0.287	0.337	0.481
LTE B17	Ant.0	Left Cheek	0.082	0.082	0.530	0.363	0.430	0.512	0.612	0.875
		Left Tilt	0.000	0.000	0.496	0.582	0.424	0.424	0.496	1.006
		Right Cheek	0.081	0.081	0.387	0.281	0.313	0.394	0.468	0.675
		Right Tilt	0.000	0.000	0.265	0.194	0.215	0.215	0.265	0.409
LTE B26	Ant.1	Left Cheek	0.986	0.684	0.530	0.363	0.430	1.416	1.214	1.477
		Left Tilt	0.122	0.083	0.496	0.582	0.424	0.546	0.579	1.089
		Right Cheek	0.571	0.404	0.387	0.281	0.313	0.884	0.791	0.998
		Right Tilt	0.101	0.067	0.265	0.194	0.215	0.316	0.332	0.476
LTE B26	Ant.0	Left Cheek	0.103	0.103	0.530	0.363	0.430	0.533	0.633	0.896
		Left Tilt	0.060	0.060	0.496	0.582	0.424	0.484	0.556	1.066
		Right Cheek	0.091	0.091	0.387	0.281	0.313	0.404	0.478	0.685
		Right Tilt	0.000	0.000	0.265	0.194	0.215	0.215	0.265	0.409
LTE B66	Ant.3	Left Cheek	0.474	0.378	0.530	0.363	0.430	0.904	0.908	1.171
		Left Tilt	0.466	0.358	0.496	0.582	0.424	0.890	0.854	1.364
		Right Cheek	0.843	0.645	0.387	0.281	0.313	1.156	1.032	1.239
		Right Tilt	0.817	0.651	0.265	0.194	0.215	1.032	0.916	1.060
LTE B66	Ant.0	Left Cheek	0.141	0.119	0.530	0.363	0.430	0.571	0.649	0.912
		Left Tilt	0.066	0.056	0.496	0.582	0.424	0.490	0.552	1.062
		Right Cheek	0.141	0.112	0.387	0.281	0.313	0.454	0.499	0.706
		Right Tilt	0.069	0.055	0.265	0.194	0.215	0.284	0.320	0.464
LTE B38	Ant.3	Left Cheek	0.462	0.462	0.530	0.363	0.430	0.892	0.992	1.255
		Left Tilt	0.538	0.538	0.496	0.582	0.424	0.962	1.034	1.544
		Right Cheek	0.974	0.974	0.387	0.281	0.313	1.287	1.361	1.568
		Right Tilt	1.180	1.180	0.265	0.194	0.215	1.395	1.445	**1.589**
LTE B38	Ant.4	Left Cheek	0.050	0.050	0.530	0.363	0.430	0.480	0.580	0.843
		Left Tilt	0.000	0.000	0.496	0.582	0.424	0.424	0.496	1.006
		Right Cheek	0.099	0.099	0.387	0.281	0.313	0.412	0.486	0.693

		Right Tilt	0.066	0.066	0.265	0.194	0.215	0.281	0.331	0.475
LTE B38	Ant.0	Left Cheek	0.032	0.032	0.530	0.363	0.430	0.462	0.562	0.825
		Left Tilt	0.022	0.022	0.496	0.582	0.424	0.446	0.518	1.028
		Right Cheek	0.048	0.048	0.387	0.281	0.313	0.361	0.435	0.642
		Right Tilt	0.029	0.029	0.265	0.194	0.215	0.244	0.294	0.438
LTE B41	Ant.3	Left Cheek	0.429	0.429	0.530	0.363	0.430	0.859	0.959	1.222
		Left Tilt	0.500	0.500	0.496	0.582	0.424	0.924	0.996	1.506
		Right Cheek	0.982	0.982	0.387	0.281	0.313	1.295	1.369	1.576
		Right Tilt	1.148	1.148	0.265	0.194	0.215	1.363	1.413	1.557
LTE B41	Ant.4	Left Cheek	0.044	0.044	0.530	0.363	0.430	0.474	0.574	0.837
		Left Tilt	0.000	0.000	0.496	0.582	0.424	0.424	0.496	1.006
		Right Cheek	0.119	0.119	0.387	0.281	0.313	0.432	0.506	0.713
		Right Tilt	0.062	0.062	0.265	0.194	0.215	0.277	0.327	0.471
LTE B41	Ant.0	Left Cheek	0.029	0.029	0.530	0.363	0.430	0.459	0.559	0.822
		Left Tilt	0.017	0.017	0.496	0.582	0.424	0.441	0.513	1.023
		Right Cheek	0.056	0.056	0.387	0.281	0.313	0.369	0.443	0.650
		Right Tilt	0.022	0.022	0.265	0.194	0.215	0.237	0.287	0.431
n5	Ant.1	Left Cheek	0.995	0.777	0.530	0.363	0.430	1.425	1.307	1.570
		Left Tilt	0.122	0.093	0.496	0.582	0.424	0.546	0.589	1.099
		Right Cheek	0.535	0.410	0.387	0.281	0.313	0.848	0.797	1.004
		Right Tilt	0.091	0.071	0.265	0.194	0.215	0.306	0.336	0.480
n5	Ant.0	Left Cheek	0.087	0.087	0.530	0.363	0.430	0.517	0.617	0.880
		Left Tilt	0.000	0.000	0.496	0.582	0.424	0.424	0.496	1.006
		Right Cheek	0.096	0.096	0.387	0.281	0.313	0.409	0.483	0.690
		Right Tilt	0.000	0.000	0.265	0.194	0.215	0.215	0.265	0.409
n7	Ant.3	Left Cheek	0.615	0.398	0.530	0.363	0.430	1.045	0.928	1.191
		Left Tilt	0.754	0.489	0.496	0.582	0.424	1.178	0.985	1.495
		Right Cheek	1.184	0.734	0.387	0.281	0.313	1.497	1.121	1.328
		Right Tilt	1.121	0.701	0.265	0.194	0.215	1.336	0.966	1.110
n7	Ant.4	Left Cheek	0.056	0.056	0.530	0.363	0.430	0.486	0.586	0.849
		Left Tilt	0.000	0.000	0.496	0.582	0.424	0.424	0.496	1.006
		Right Cheek	0.085	0.085	0.387	0.281	0.313	0.398	0.472	0.679
		Right Tilt	0.056	0.056	0.265	0.194	0.215	0.271	0.321	0.465
n7	Ant.0	Left Cheek	0.047	0.047	0.530	0.363	0.430	0.477	0.577	0.840
		Left Tilt	0.000	0.000	0.496	0.582	0.424	0.424	0.496	1.006
		Right Cheek	0.086	0.086	0.387	0.281	0.313	0.399	0.473	0.680
		Right Tilt	0.000	0.000	0.265	0.194	0.215	0.215	0.265	0.409
n66	Ant.3	Left Cheek	0.554	0.468	0.530	0.363	0.430	0.984	0.998	1.261
		Left Tilt	0.607	0.483	0.496	0.582	0.424	1.031	0.979	1.489
		Right Cheek	1.083	0.862	0.387	0.281	0.313	1.396	1.249	1.456
		Right Tilt	0.798	0.635	0.265	0.194	0.215	1.013	0.900	1.044
n66	Ant.0	Left Cheek	0.120	0.120	0.530	0.363	0.430	0.550	0.650	0.913
		Left Tilt	0.056	0.056	0.496	0.582	0.424	0.480	0.552	1.062

		Right Cheek	0.128	0.128	0.387	0.281	0.313	0.441	0.515	0.722
		Right Tilt	0.064	0.064	0.265	0.194	0.215	0.279	0.329	0.473
n38	Ant.3	Left Cheek	0.590	0.497	0.530	0.363	0.430	1.020	1.027	1.290
		Left Tilt	0.644	0.547	0.496	0.582	0.424	1.068	1.043	1.553
		Right Cheek	0.975	0.797	0.387	0.281	0.313	1.288	1.184	1.391
		Right Tilt	0.968	0.793	0.265	0.194	0.215	1.183	1.058	1.202
n38	Ant.4	Left Cheek	0.075	0.075	0.530	0.363	0.430	0.505	0.605	0.868
		Left Tilt	0.054	0.054	0.496	0.582	0.424	0.478	0.550	1.060
		Right Cheek	0.134	0.134	0.387	0.281	0.313	0.447	0.521	0.728
		Right Tilt	0.097	0.097	0.265	0.194	0.215	0.312	0.362	0.506
n38	Ant.0	Left Cheek	0.037	0.037	0.530	0.363	0.430	0.467	0.567	0.830
		Left Tilt	0.023	0.023	0.496	0.582	0.424	0.447	0.519	1.029
		Right Cheek	0.054	0.054	0.387	0.281	0.313	0.367	0.441	0.648
		Right Tilt	0.034	0.034	0.265	0.194	0.215	0.249	0.299	0.443
n41	Ant.3	Left Cheek	0.335	0.483	0.530	0.363	0.430	0.765	1.013	1.276
		Left Tilt	0.348	0.510	0.496	0.582	0.424	0.772	1.006	1.516
		Right Cheek	0.616	0.972	0.387	0.281	0.313	0.929	1.359	1.566
		Right Tilt	0.544	0.867	0.265	0.194	0.215	0.759	1.132	1.276
n41	Ant.4	Left Cheek	0.066	0.066	0.530	0.363	0.430	0.496	0.596	0.859
		Left Tilt	0.042	0.042	0.496	0.582	0.424	0.466	0.538	1.048
		Right Cheek	0.118	0.118	0.387	0.281	0.313	0.431	0.505	0.712
		Right Tilt	0.073	0.073	0.265	0.194	0.215	0.288	0.338	0.482
n41	Ant.0	Left Cheek	0.057	0.057	0.530	0.363	0.430	0.487	0.587	0.850
		Left Tilt	0.022	0.022	0.496	0.582	0.424	0.446	0.518	1.028
		Right Cheek	0.119	0.119	0.387	0.281	0.313	0.432	0.506	0.713
		Right Tilt	0.029	0.029	0.265	0.194	0.215	0.244	0.294	0.438

Note:

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

2: The highest Summed 1g SAR is 1.589 W/Kg < 1.6 W/kg, so Simultaneous Transmission SAR test is not required.

13.2.6 Body-Worn Simultaneous Transmission SAR Evaluation for WWAN and WLAN and BT

Band	Antenna	Position	Stand alone SAR					SUM SAR		
			1	2	3	4	5			
			WWAN	WWAN	2.4GWIFI	5GWIFI Max.	Bluetooth	1+5	2+3	2+4+5
			State3	State8	Level7	Level7/8				
GSM850	Ant.1	Front Side 15mm	0.362	0.362	0.210	0.099	0.081	0.443	0.572	0.542
		Back Side 15mm	0.515	0.515	0.241	0.151	0.087	0.602	**0.756**	0.753
GSM850	Ant.0	Front Side 15mm	0.156	0.156	0.210	0.099	0.081	0.237	0.366	0.336
		Back Side 15mm	0.148	0.148	0.241	0.151	0.087	0.235	0.389	0.386
GSM1900	Ant.3	Front Side 15mm	0.211	0.211	0.210	0.099	0.081	0.292	0.421	0.391
		Back Side 15mm	0.170	0.170	0.241	0.151	0.087	0.257	0.411	0.408
GSM1900	Ant.0	Front Side 15mm	0.171	0.171	0.210	0.099	0.081	0.252	0.381	0.351
		Back Side 15mm	0.216	0.216	0.241	0.151	0.087	0.303	0.457	0.454
WCDMA B2	Ant.3	Front Side 15mm	0.150	0.141	0.210	0.099	0.081	0.231	0.351	0.321
		Back Side 15mm	0.171	0.162	0.241	0.151	0.087	0.258	0.403	0.400
WCDMA B2	Ant.0	Front Side 15mm	0.166	0.151	0.210	0.099	0.081	0.247	0.361	0.331
		Back Side 15mm	0.215	0.183	0.241	0.151	0.087	0.302	0.424	0.421
WCDMA B4	Ant.1	Front Side 15mm	0.144	0.129	0.210	0.099	0.081	0.225	0.339	0.309
		Back Side 15mm	0.164	0.143	0.241	0.151	0.087	0.251	0.384	0.381
WCDMA B4	Ant.0	Front Side 15mm	0.150	0.165	0.210	0.099	0.081	0.231	0.375	0.345
		Back Side 15mm	0.206	0.196	0.241	0.151	0.087	0.293	0.437	0.434
WCDMA B5	Ant.1	Front Side 15mm	0.278	0.259	0.210	0.099	0.081	0.359	0.469	0.439
		Back Side 15mm	0.408	0.328	0.241	0.151	0.087	0.495	0.569	0.566
WCDMA B5	Ant.0	Front Side 15mm	0.140	0.140	0.210	0.099	0.081	0.221	0.350	0.320
		Back Side 15mm	0.146	0.146	0.241	0.151	0.087	0.233	0.387	0.384
LTE B2	Ant.3	Front Side 15mm	0.136	0.111	0.210	0.099	0.081	0.217	0.321	0.291
		Back Side 15mm	0.159	0.128	0.241	0.151	0.087	0.246	0.369	0.366
LTE B2	Ant.0	Front Side 15mm	0.128	0.091	0.210	0.099	0.081	0.209	0.301	0.271
		Back Side 15mm	0.194	0.115	0.241	0.151	0.087	0.281	0.356	0.353
LTE B4	Ant.3	Front Side 15mm	0.146	0.134	0.210	0.099	0.081	0.227	0.344	0.314
		Back Side 15mm	0.140	0.119	0.241	0.151	0.087	0.227	0.360	0.357
LTE B4	Ant.0	Front Side 15mm	0.149	0.117	0.210	0.099	0.081	0.230	0.327	0.297
		Back Side 15mm	0.176	0.150	0.241	0.151	0.087	0.263	0.391	0.388
LTE B5	Ant.1	Front Side 15mm	0.301	0.301	0.210	0.099	0.081	0.382	0.511	0.481
		Back Side 15mm	0.439	0.439	0.241	0.151	0.087	0.526	0.680	0.677
LTE B5	Ant.0	Front Side 15mm	0.140	0.140	0.210	0.099	0.081	0.221	0.350	0.320
		Back Side 15mm	0.141	0.141	0.241	0.151	0.087	0.228	0.382	0.379
LTE B7	Ant.3	Front Side 15mm	0.114	0.085	0.210	0.099	0.081	0.195	0.295	0.265
		Back Side 15mm	0.076	0.065	0.241	0.151	0.087	0.163	0.306	0.303
LTE B7	Ant.4	Front Side 15mm	0.040	0.026	0.210	0.099	0.081	0.121	0.236	0.206
		Back Side 15mm	0.030	0.023	0.241	0.151	0.087	0.117	0.264	0.261

LTE B7	Ant.0	Front Side 15mm	0.067	0.063	0.210	0.099	0.081	0.148	0.273	0.243
		Back Side 15mm	0.089	0.084	0.241	0.151	0.087	0.176	0.325	0.322
LTE B12	Ant.1	Front Side 15mm	0.156	0.130	0.210	0.099	0.081	0.237	0.340	0.310
		Back Side 15mm	0.185	0.155	0.241	0.151	0.087	0.272	0.396	0.393
LTE B12	Ant.0	Front Side 15mm	0.216	0.216	0.210	0.099	0.081	0.297	0.426	0.396
		Back Side 15mm	0.236	0.236	0.241	0.151	0.087	0.323	0.477	0.474
LTE B13	Ant.1	Front Side 15mm	0.239	0.222	0.210	0.099	0.081	0.320	0.432	0.402
		Back Side 15mm	0.337	0.260	0.241	0.151	0.087	0.424	0.501	0.498
LTE B13	Ant.0	Front Side 15mm	0.132	0.132	0.210	0.099	0.081	0.213	0.342	0.312
		Back Side 15mm	0.147	0.147	0.241	0.151	0.087	0.234	0.388	0.385
LTE B17	Ant.1	Front Side 15mm	0.158	0.158	0.210	0.099	0.081	0.239	0.368	0.338
		Back Side 15mm	0.185	0.185	0.241	0.151	0.087	0.272	0.426	0.423
LTE B17	Ant.0	Front Side 15mm	0.196	0.196	0.210	0.099	0.081	0.277	0.406	0.376
		Back Side 15mm	0.224	0.224	0.241	0.151	0.087	0.311	0.465	0.462
LTE B26	Ant.1	Front Side 15mm	0.288	0.288	0.210	0.099	0.081	0.369	0.498	0.468
		Back Side 15mm	0.360	0.360	0.241	0.151	0.087	0.447	0.601	0.598
LTE B26	Ant.0	Front Side 15mm	0.138	0.138	0.210	0.099	0.081	0.219	0.348	0.318
		Back Side 15mm	0.140	0.140	0.241	0.151	0.087	0.227	0.381	0.378
LTE B66	Ant.3	Front Side 15mm	0.176	0.167	0.210	0.099	0.081	0.257	0.377	0.347
		Back Side 15mm	0.165	0.157	0.241	0.151	0.087	0.252	0.398	0.395
LTE B66	Ant.0	Front Side 15mm	0.161	0.144	0.210	0.099	0.081	0.242	0.354	0.324
		Back Side 15mm	0.250	0.204	0.241	0.151	0.087	0.337	0.445	0.442
LTE B38	Ant.3	Front Side 15mm	0.129	0.115	0.210	0.099	0.081	0.210	0.325	0.295
		Back Side 15mm	0.102	0.097	0.241	0.151	0.087	0.189	0.338	0.335
LTE B38	Ant.4	Front Side 15mm	0.013	0.012	0.210	0.099	0.081	0.094	0.222	0.192
		Back Side 15mm	0.105	0.103	0.241	0.151	0.087	0.192	0.344	0.341
LTE B38	Ant.0	Front Side 15mm	0.082	0.082	0.210	0.099	0.081	0.163	0.292	0.262
		Back Side 15mm	0.103	0.103	0.241	0.151	0.087	0.190	0.344	0.341
LTE B41	Ant.3	Front Side 15mm	0.141	0.108	0.210	0.099	0.081	0.222	0.318	0.288
		Back Side 15mm	0.103	0.092	0.241	0.151	0.087	0.190	0.333	0.330
LTE B41	Ant.4	Front Side 15mm	0.009	0.008	0.210	0.099	0.081	0.090	0.218	0.188
		Back Side 15mm	0.039	0.036	0.241	0.151	0.087	0.126	0.277	0.274
LTE B41	Ant.0	Front Side 15mm	0.092	0.092	0.210	0.099	0.081	0.173	0.302	0.272
		Back Side 15mm	0.109	0.109	0.241	0.151	0.087	0.196	0.350	0.347
n5	Ant.1	Front Side 15mm	0.173	0.173	0.210	0.099	0.081	0.254	0.383	0.353
		Back Side 15mm	0.226	0.226	0.241	0.151	0.087	0.313	0.467	0.464
n5	Ant.0	Front Side 15mm	0.063	0.076	0.210	0.099	0.081	0.144	0.286	0.256
		Back Side 15mm	0.073	0.080	0.241	0.151	0.087	0.160	0.321	0.318
n7	Ant.3	Front Side 15mm	0.105	0.094	0.210	0.099	0.081	0.186	0.304	0.274
		Back Side 15mm	0.082	0.074	0.241	0.151	0.087	0.169	0.315	0.312
n7	Ant.4	Front Side 15mm	0.053	0.054	0.210	0.099	0.081	0.134	0.264	0.234
		Back Side 15mm	0.140	0.082	0.241	0.151	0.087	0.227	0.323	0.320
n7	Ant.0	Front Side 15mm	0.054	0.054	0.210	0.099	0.081	0.135	0.264	0.234

		Back Side 15mm	0.074	0.074	0.241	0.151	0.087	0.161	0.315	0.312
n66	Ant.3	Front Side 15mm	0.208	0.190	0.210	0.099	0.081	0.289	0.400	0.370
		Back Side 15mm	0.201	0.181	0.241	0.151	0.087	0.288	0.422	0.419
n66	Ant.0	Front Side 15mm	0.080	0.070	0.210	0.099	0.081	0.161	0.280	0.250
		Back Side 15mm	0.103	0.091	0.241	0.151	0.087	0.190	0.332	0.329
n38	Ant.3	Front Side 15mm	0.126	0.119	0.210	0.099	0.081	0.207	0.329	0.299
		Back Side 15mm	0.105	0.099	0.241	0.151	0.087	0.192	0.340	0.337
n38	Ant.4	Front Side 15mm	0.011	0.009	0.210	0.099	0.081	0.092	0.219	0.189
		Back Side 15mm	0.063	0.054	0.241	0.151	0.087	0.150	0.295	0.292
n38	Ant.0	Front Side 15mm	0.079	0.070	0.210	0.099	0.081	0.160	0.280	0.250
		Back Side 15mm	0.089	0.076	0.241	0.151	0.087	0.176	0.317	0.314
n41	Ant.3	Front Side 15mm	0.041	0.039	0.210	0.099	0.081	0.122	0.249	0.219
		Back Side 15mm	0.036	0.034	0.241	0.151	0.087	0.123	0.275	0.272
n41	Ant.4	Front Side 15mm	0.010	0.009	0.210	0.099	0.081	0.091	0.219	0.189
		Back Side 15mm	0.080	0.076	0.241	0.151	0.087	0.167	0.317	0.314
n41	Ant.0	Front Side 15mm	0.041	0.039	0.210	0.099	0.081	0.122	0.249	0.219
		Back Side 15mm	0.051	0.048	0.241	0.151	0.087	0.138	0.289	0.286

Note:

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

2: The highest Summed 1g SAR is 0.756 W/Kg < 1.6 W/kg, so Simultaneous Transmission SAR test is not required.

13.2.7 Hotspot Simultaneous Transmission SAR Evaluation for WWAN and WLAN and BT

Band	Antenna	Position	Stand alone SAR					SUM SAR		
			1	2	3	4	5			
			WWAN	WWAN	2.4GWIFI	5GWIFI Max.	Bluetooth	1+5	2+3	2+4+5
			State3	State8	Level7	Level7/8				
GSM850	Ant.1	Front Side 10mm	0.530	0.530	0.562	0.112	0.199	0.729	1.092	0.841
		Back Side 10mm	0.679	0.679	0.571	0.152	0.217	0.896	**1.250**	1.048
		Left Edge 10mm	0.000	0.000	0.539	0.054	0.193	0.193	0.539	0.247
		Right Edge 10mm	1.157	1.157	0.000	0.000	0.000	1.157	1.157	1.157
		Top Edge 10mm	0.000	0.000	0.309	0.485	0.130	0.130	0.309	0.615
		Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
GSM850	Ant.0	Front Side 10mm	0.195	0.195	0.562	0.112	0.199	0.394	0.757	0.506
		Back Side 10mm	0.220	0.220	0.571	0.152	0.217	0.437	0.791	0.589
		Left Edge 10mm	0.113	0.113	0.539	0.054	0.193	0.306	0.652	0.360
		Right Edge 10mm	0.130	0.130	0.000	0.000	0.000	0.130	0.130	0.130
		Top Edge 10mm	0.000	0.000	0.309	0.485	0.130	0.130	0.309	0.615
		Bottom Edge 10mm	0.250	0.250	0.000	0.000	0.000	0.250	0.250	0.250
GSM1900	Ant.3	Front Side 10mm	0.393	0.393	0.562	0.112	0.199	0.592	0.955	0.704
		Back Side 10mm	0.377	0.377	0.571	0.152	0.217	0.594	0.948	0.746
		Left Edge 10mm	0.000	0.000	0.539	0.054	0.193	0.193	0.539	0.247
		Right Edge 10mm	0.165	0.165	0.000	0.000	0.000	0.165	0.165	0.165
		Top Edge 10mm	0.577	0.577	0.309	0.485	0.130	0.707	0.886	1.192
		Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
GSM1900	Ant.0	Front Side 10mm	0.250	0.250	0.562	0.112	0.199	0.449	0.812	0.561
		Back Side 10mm	0.387	0.387	0.571	0.152	0.217	0.604	0.958	0.756
		Left Edge 10mm	0.140	0.140	0.539	0.054	0.193	0.333	0.679	0.387
		Right Edge 10mm	0.066	0.066	0.000	0.000	0.000	0.066	0.066	0.066
		Top Edge 10mm	0.000	0.000	0.309	0.485	0.130	0.130	0.309	0.615
		Bottom Edge 10mm	0.630	0.630	0.000	0.000	0.000	0.630	0.630	0.630
WCDMA B2	Ant.3	Front Side 10mm	0.270	0.255	0.562	0.112	0.199	0.469	0.817	0.566
		Back Side 10mm	0.190	0.176	0.571	0.152	0.217	0.407	0.747	0.545
		Left Edge 10mm	0.000	0.000	0.539	0.054	0.193	0.193	0.539	0.247
		Right Edge 10mm	0.109	0.105	0.000	0.000	0.000	0.109	0.105	0.105
		Top Edge 10mm	0.456	0.409	0.309	0.485	0.130	0.586	0.718	1.024
		Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
WCDMA B2	Ant.0	Front Side 10mm	0.187	0.187	0.562	0.112	0.199	0.386	0.749	0.498
		Back Side 10mm	0.273	0.259	0.571	0.152	0.217	0.490	0.830	0.628
		Left Edge 10mm	0.104	0.100	0.539	0.054	0.193	0.297	0.639	0.347
		Right Edge 10mm	0.037	0.032	0.000	0.000	0.000	0.037	0.032	0.032
		Top Edge 10mm	0.000	0.000	0.309	0.485	0.130	0.130	0.309	0.615
		Bottom Edge 10mm	0.632	0.470	0.000	0.000	0.000	0.632	0.470	0.470
	Ant.1	Front Side 10mm	0.351	0.314	0.562	0.112	0.199	0.550	0.876	0.625

WCDMA B4		Back Side 10mm	0.304	0.272	0.571	0.152	0.217	0.521	0.843	0.641
		Left Edge 10mm	0.000	0.000	0.539	0.054	0.193	0.193	0.539	0.247
		Right Edge 10mm	0.125	0.119	0.000	0.000	0.000	0.125	0.119	0.119
		Top Edge 10mm	0.477	0.405	0.309	0.485	0.130	0.607	0.714	1.020
		Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
WCDMA B4	Ant.0	Front Side 10mm	0.278	0.305	0.562	0.112	0.199	0.477	0.867	0.616
		Back Side 10mm	0.381	0.418	0.571	0.152	0.217	0.598	0.989	0.787
		Left Edge 10mm	0.109	0.119	0.539	0.054	0.193	0.302	0.658	0.366
		Right Edge 10mm	0.056	0.061	0.000	0.000	0.000	0.056	0.061	0.061
		Top Edge 10mm	0.000	0.000	0.309	0.485	0.130	0.130	0.309	0.615
		Bottom Edge 10mm	0.662	0.661	0.000	0.000	0.000	0.662	0.661	0.661
WCDMA B5	Ant.1	Front Side 10mm	0.569	0.504	0.562	0.112	0.199	0.768	1.066	0.815
		Back Side 10mm	0.695	0.616	0.571	0.152	0.217	0.912	1.187	0.985
		Left Edge 10mm	0.000	0.000	0.539	0.054	0.193	0.193	0.539	0.247
		Right Edge 10mm	0.921	0.853	0.000	0.000	0.000	0.921	0.853	0.853
		Top Edge 10mm	0.000	0.000	0.309	0.485	0.130	0.130	0.309	0.615
		Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
WCDMA B5	Ant.0	Front Side 10mm	0.182	0.182	0.562	0.112	0.199	0.381	0.744	0.493
		Back Side 10mm	0.178	0.178	0.571	0.152	0.217	0.395	0.749	0.547
		Left Edge 10mm	0.095	0.095	0.539	0.054	0.193	0.288	0.634	0.342
		Right Edge 10mm	0.111	0.111	0.000	0.000	0.000	0.111	0.111	0.111
		Top Edge 10mm	0.000	0.000	0.309	0.485	0.130	0.130	0.309	0.615
		Bottom Edge 10mm	0.237	0.237	0.000	0.000	0.000	0.237	0.237	0.237
LTE B2	Ant.3	Front Side 10mm	0.195	0.176	0.562	0.112	0.199	0.394	0.738	0.487
		Back Side 10mm	0.277	0.247	0.571	0.152	0.217	0.494	0.818	0.616
		Left Edge 10mm	0.000	0.000	0.539	0.054	0.193	0.193	0.539	0.247
		Right Edge 10mm	0.112	0.098	0.000	0.000	0.000	0.112	0.098	0.098
		Top Edge 10mm	0.434	0.373	0.309	0.485	0.130	0.564	0.682	0.988
		Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
LTE B2	Ant.0	Front Side 10mm	0.250	0.187	0.562	0.112	0.199	0.449	0.749	0.498
		Back Side 10mm	0.342	0.253	0.571	0.152	0.217	0.559	0.824	0.622
		Left Edge 10mm	0.126	0.099	0.539	0.054	0.193	0.319	0.638	0.346
		Right Edge 10mm	0.050	0.039	0.000	0.000	0.000	0.050	0.039	0.039
		Top Edge 10mm	0.000	0.000	0.309	0.485	0.130	0.130	0.309	0.615
		Bottom Edge 10mm	0.597	0.468	0.000	0.000	0.000	0.597	0.468	0.468
LTE B4	Ant.3	Front Side 10mm	0.411	0.297	0.562	0.112	0.199	0.610	0.859	0.608
		Back Side 10mm	0.393	0.268	0.571	0.152	0.217	0.610	0.839	0.637
		Left Edge 10mm	0.000	0.000	0.539	0.054	0.193	0.193	0.539	0.247
		Right Edge 10mm	0.144	0.102	0.000	0.000	0.000	0.144	0.102	0.102
		Top Edge 10mm	0.468	0.417	0.309	0.485	0.130	0.598	0.726	1.032
		Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
LTE B4	Ant.0	Front Side 10mm	0.311	0.277	0.562	0.112	0.199	0.510	0.839	0.588
		Back Side 10mm	0.420	0.377	0.571	0.152	0.217	0.637	0.948	0.746

		Left Edge 10mm	0.118	0.105	0.539	0.054	0.193	0.311	0.644	0.352
		Right Edge 10mm	0.058	0.051	0.000	0.000	0.000	0.058	0.051	0.051
		Top Edge 10mm	0.000	0.000	0.309	0.485	0.130	0.130	0.309	0.615
		Bottom Edge 10mm	0.674	0.602	0.000	0.000	0.000	0.674	0.602	0.602
LTE B5	Ant.1	Front Side 10mm	0.560	0.560	0.562	0.112	0.199	0.759	1.122	0.871
		Back Side 10mm	0.653	0.653	0.571	0.152	0.217	0.870	1.224	1.022
		Left Edge 10mm	0.000	0.000	0.539	0.054	0.193	0.193	0.539	0.247
		Right Edge 10mm	0.957	0.957	0.000	0.000	0.000	0.957	0.957	0.957
		Top Edge 10mm	0.000	0.000	0.309	0.485	0.130	0.130	0.309	0.615
		Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
LTE B5	Ant.0	Front Side 10mm	0.175	0.175	0.562	0.112	0.199	0.374	0.737	0.486
		Back Side 10mm	0.186	0.186	0.571	0.152	0.217	0.403	0.757	0.555
		Left Edge 10mm	0.094	0.094	0.539	0.054	0.193	0.287	0.633	0.341
		Right Edge 10mm	0.114	0.114	0.000	0.000	0.000	0.114	0.114	0.114
		Top Edge 10mm	0.000	0.000	0.309	0.485	0.130	0.130	0.309	0.615
		Bottom Edge 10mm	0.237	0.237	0.000	0.000	0.000	0.237	0.237	0.237
LTE B7	Ant.3	Front Side 10mm	0.190	0.181	0.562	0.112	0.199	0.389	0.743	0.492
		Back Side 10mm	0.146	0.138	0.571	0.152	0.217	0.363	0.709	0.507
		Left Edge 10mm	0.000	0.000	0.539	0.054	0.193	0.193	0.539	0.247
		Right Edge 10mm	0.094	0.089	0.000	0.000	0.000	0.094	0.089	0.089
		Top Edge 10mm	0.293	0.283	0.309	0.485	0.130	0.423	0.592	0.898
		Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
LTE B7	Ant.4	Front Side 10mm	0.042	0.032	0.562	0.112	0.199	0.241	0.594	0.343
		Back Side 10mm	0.167	0.129	0.571	0.152	0.217	0.384	0.700	0.498
		Left Edge 10mm	0.000	0.000	0.539	0.054	0.193	0.193	0.539	0.247
		Right Edge 10mm	0.100	0.092	0.000	0.000	0.000	0.100	0.092	0.092
		Top Edge 10mm	0.000	0.000	0.309	0.485	0.130	0.130	0.309	0.615
		Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
LTE B7	Ant.0	Front Side 10mm	0.135	0.128	0.562	0.112	0.199	0.334	0.690	0.439
		Back Side 10mm	0.172	0.163	0.571	0.152	0.217	0.389	0.734	0.532
		Left Edge 10mm	0.096	0.091	0.539	0.054	0.193	0.289	0.630	0.338
		Right Edge 10mm	0.029	0.028	0.000	0.000	0.000	0.029	0.028	0.028
		Top Edge 10mm	0.000	0.000	0.309	0.485	0.130	0.130	0.309	0.615
		Bottom Edge 10mm	0.203	0.178	0.000	0.000	0.000	0.203	0.178	0.178
LTE B12	Ant.1	Front Side 10mm	0.290	0.257	0.562	0.112	0.199	0.489	0.819	0.568
		Back Side 10mm	0.341	0.298	0.571	0.152	0.217	0.558	0.869	0.667
		Left Edge 10mm	0.000	0.000	0.539	0.054	0.193	0.193	0.539	0.247
		Right Edge 10mm	0.634	0.563	0.000	0.000	0.000	0.634	0.563	0.563
		Top Edge 10mm	0.000	0.000	0.309	0.485	0.130	0.130	0.309	0.615
		Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
LTE B12	Ant.0	Front Side 10mm	0.192	0.192	0.562	0.112	0.199	0.391	0.754	0.503
		Back Side 10mm	0.253	0.253	0.571	0.152	0.217	0.470	0.824	0.622
		Left Edge 10mm	0.187	0.187	0.539	0.054	0.193	0.380	0.726	0.434

		Right Edge 10mm	0.267	0.267	0.000	0.000	0.000	0.267	0.267	0.267
		Top Edge 10mm	0.000	0.000	0.309	0.485	0.130	0.130	0.309	0.615
		Bottom Edge 10mm	0.191	0.191	0.000	0.000	0.000	0.191	0.191	0.191
LTE B13	Ant.1	Front Side 10mm	0.404	0.359	0.562	0.112	0.199	0.603	0.921	0.670
		Back Side 10mm	0.482	0.418	0.571	0.152	0.217	0.699	0.989	0.787
		Left Edge 10mm	0.000	0.000	0.539	0.054	0.193	0.193	0.539	0.247
		Right Edge 10mm	0.830	0.741	0.000	0.000	0.000	0.830	0.741	0.741
		Top Edge 10mm	0.000	0.000	0.309	0.485	0.130	0.130	0.309	0.615
		Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
LTE B13	Ant.0	Front Side 10mm	0.118	0.118	0.562	0.112	0.199	0.317	0.680	0.429
		Back Side 10mm	0.151	0.151	0.571	0.152	0.217	0.368	0.722	0.520
		Left Edge 10mm	0.099	0.099	0.539	0.054	0.193	0.292	0.638	0.346
		Right Edge 10mm	0.176	0.176	0.000	0.000	0.000	0.176	0.176	0.176
		Top Edge 10mm	0.000	0.000	0.309	0.485	0.130	0.130	0.309	0.615
		Bottom Edge 10mm	0.171	0.171	0.000	0.000	0.000	0.171	0.171	0.171
LTE B17	Ant.1	Front Side 10mm	0.288	0.288	0.562	0.112	0.199	0.487	0.850	0.599
		Back Side 10mm	0.333	0.333	0.571	0.152	0.217	0.550	0.904	0.702
		Left Edge 10mm	0.000	0.000	0.539	0.054	0.193	0.193	0.539	0.247
		Right Edge 10mm	0.614	0.614	0.000	0.000	0.000	0.614	0.614	0.614
		Top Edge 10mm	0.000	0.000	0.309	0.485	0.130	0.130	0.309	0.615
		Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
LTE B17	Ant.0	Front Side 10mm	0.188	0.188	0.562	0.112	0.199	0.387	0.750	0.499
		Back Side 10mm	0.245	0.245	0.571	0.152	0.217	0.462	0.816	0.614
		Left Edge 10mm	0.178	0.178	0.539	0.054	0.193	0.371	0.717	0.425
		Right Edge 10mm	0.251	0.251	0.000	0.000	0.000	0.251	0.251	0.251
		Top Edge 10mm	0.000	0.000	0.309	0.485	0.130	0.130	0.309	0.615
		Bottom Edge 10mm	0.170	0.170	0.000	0.000	0.000	0.170	0.170	0.170
LTE B26	Ant.1	Front Side 10mm	0.387	0.387	0.562	0.112	0.199	0.586	0.949	0.698
		Back Side 10mm	0.433	0.433	0.571	0.152	0.217	0.650	1.004	0.802
		Left Edge 10mm	0.000	0.000	0.539	0.054	0.193	0.193	0.539	0.247
		Right Edge 10mm	0.823	0.823	0.000	0.000	0.000	0.823	0.823	0.823
		Top Edge 10mm	0.000	0.000	0.309	0.485	0.130	0.130	0.309	0.615
		Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
LTE B26	Ant.0	Front Side 10mm	0.158	0.158	0.562	0.112	0.199	0.357	0.720	0.469
		Back Side 10mm	0.170	0.170	0.571	0.152	0.217	0.387	0.741	0.539
		Left Edge 10mm	0.092	0.092	0.539	0.054	0.193	0.285	0.631	0.339
		Right Edge 10mm	0.120	0.120	0.000	0.000	0.000	0.120	0.120	0.120
		Top Edge 10mm	0.000	0.000	0.309	0.485	0.130	0.130	0.309	0.615
		Bottom Edge 10mm	0.213	0.213	0.000	0.000	0.000	0.213	0.213	0.213
LTE B66	Ant.3	Front Side 10mm	0.355	0.341	0.562	0.112	0.199	0.554	0.903	0.652
		Back Side 10mm	0.331	0.318	0.571	0.152	0.217	0.548	0.889	0.687
		Left Edge 10mm	0.000	0.000	0.539	0.054	0.193	0.193	0.539	0.247
		Right Edge 10mm	0.126	0.121	0.000	0.000	0.000	0.126	0.121	0.121

		Top Edge 10mm	0.445	0.444	0.309	0.485	0.130	0.575	0.753	1.059
		Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
LTE B66	Ant.0	Front Side 10mm	0.286	0.254	0.562	0.112	0.199	0.485	0.816	0.565
		Back Side 10mm	0.379	0.334	0.571	0.152	0.217	0.596	0.905	0.703
		Left Edge 10mm	0.108	0.096	0.539	0.054	0.193	0.301	0.635	0.343
		Right Edge 10mm	0.053	0.045	0.000	0.000	0.000	0.053	0.045	0.045
		Top Edge 10mm	0.000	0.000	0.309	0.485	0.130	0.130	0.309	0.615
		Bottom Edge 10mm	0.683	0.546	0.000	0.000	0.000	0.683	0.546	0.546
LTE B38	Ant.3	Front Side 10mm	0.254	0.202	0.562	0.112	0.199	0.453	0.764	0.513
		Back Side 10mm	0.214	0.170	0.571	0.152	0.217	0.431	0.741	0.539
		Left Edge 10mm	0.000	0.000	0.539	0.054	0.193	0.193	0.539	0.247
		Right Edge 10mm	0.117	0.093	0.000	0.000	0.000	0.117	0.093	0.093
		Top Edge 10mm	0.377	0.359	0.309	0.485	0.130	0.507	0.668	0.974
		Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
LTE B38	Ant.4	Front Side 10mm	0.000	0.000	0.562	0.112	0.199	0.199	0.562	0.311
		Back Side 10mm	0.180	0.175	0.571	0.152	0.217	0.397	0.746	0.544
		Left Edge 10mm	0.000	0.000	0.539	0.054	0.193	0.193	0.539	0.247
		Right Edge 10mm	0.293	0.261	0.000	0.000	0.000	0.293	0.261	0.261
		Top Edge 10mm	0.000	0.000	0.309	0.485	0.130	0.130	0.309	0.615
		Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
LTE B38	Ant.0	Front Side 10mm	0.164	0.164	0.562	0.112	0.199	0.363	0.726	0.475
		Back Side 10mm	0.197	0.197	0.571	0.152	0.217	0.414	0.768	0.566
		Left Edge 10mm	0.115	0.115	0.539	0.054	0.193	0.308	0.654	0.362
		Right Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Top Edge 10mm	0.000	0.000	0.309	0.485	0.130	0.130	0.309	0.615
		Bottom Edge 10mm	0.193	0.193	0.000	0.000	0.000	0.193	0.193	0.193
LTE B41	Ant.3	Front Side 10mm	0.255	0.227	0.562	0.112	0.199	0.454	0.789	0.538
		Back Side 10mm	0.223	0.199	0.571	0.152	0.217	0.440	0.770	0.568
		Left Edge 10mm	0.000	0.000	0.539	0.054	0.193	0.193	0.539	0.247
		Right Edge 10mm	0.126	0.113	0.000	0.000	0.000	0.126	0.113	0.113
		Top Edge 10mm	0.432	0.378	0.309	0.485	0.130	0.562	0.687	0.993
		Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
LTE B41	Ant.4	Front Side 10mm	0.000	0.000	0.562	0.112	0.199	0.199	0.562	0.311
		Back Side 10mm	0.112	0.104	0.571	0.152	0.217	0.329	0.675	0.473
		Left Edge 10mm	0.000	0.000	0.539	0.054	0.193	0.193	0.539	0.247
		Right Edge 10mm	0.118	0.110	0.000	0.000	0.000	0.118	0.110	0.110
		Top Edge 10mm	0.000	0.000	0.309	0.485	0.130	0.130	0.309	0.615
		Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
LTE B41	Ant.0	Front Side 10mm	0.182	0.182	0.562	0.112	0.199	0.381	0.744	0.493
		Back Side 10mm	0.212	0.212	0.571	0.152	0.217	0.429	0.783	0.581
		Left Edge 10mm	0.127	0.127	0.539	0.054	0.193	0.320	0.666	0.374
		Right Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Top Edge 10mm	0.000	0.000	0.309	0.485	0.130	0.130	0.309	0.615

		Bottom Edge 10mm	0.283	0.283	0.000	0.000	0.000	0.283	0.283	0.283
n5	Ant.1	Front Side 10mm	0.321	0.321	0.562	0.112	0.199	0.520	0.883	0.632
		Back Side 10mm	0.386	0.386	0.571	0.152	0.217	0.603	0.957	0.755
		Left Edge 10mm	0.000	0.000	0.539	0.054	0.193	0.193	0.539	0.247
		Right Edge 10mm	0.693	0.693	0.000	0.000	0.000	0.693	0.693	0.693
		Top Edge 10mm	0.000	0.000	0.309	0.485	0.130	0.130	0.309	0.615
		Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
n5	Ant.0	Front Side 10mm	0.153	0.169	0.562	0.112	0.199	0.352	0.731	0.480
		Back Side 10mm	0.142	0.168	0.571	0.152	0.217	0.359	0.739	0.537
		Left Edge 10mm	0.000	0.000	0.539	0.054	0.193	0.193	0.539	0.247
		Right Edge 10mm	0.109	0.117	0.000	0.000	0.000	0.109	0.117	0.117
		Top Edge 10mm	0.000	0.000	0.309	0.485	0.130	0.130	0.309	0.615
		Bottom Edge 10mm	0.213	0.233	0.000	0.000	0.000	0.213	0.233	0.233
n7	Ant.3	Front Side 10mm	0.254	0.228	0.562	0.112	0.199	0.453	0.790	0.539
		Back Side 10mm	0.182	0.163	0.571	0.152	0.217	0.399	0.734	0.532
		Left Edge 10mm	0.000	0.000	0.539	0.054	0.193	0.193	0.539	0.247
		Right Edge 10mm	0.112	0.100	0.000	0.000	0.000	0.112	0.100	0.100
		Top Edge 10mm	0.360	0.334	0.309	0.485	0.130	0.490	0.643	0.949
		Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
n7	Ant.4	Front Side 10mm	0.093	0.093	0.562	0.112	0.199	0.292	0.655	0.404
		Back Side 10mm	0.330	0.330	0.571	0.152	0.217	0.547	0.901	0.699
		Left Edge 10mm	0.000	0.000	0.539	0.054	0.193	0.193	0.539	0.247
		Right Edge 10mm	0.208	0.208	0.000	0.000	0.000	0.208	0.208	0.208
		Top Edge 10mm	0.000	0.000	0.309	0.485	0.130	0.130	0.309	0.615
		Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
n7	Ant.0	Front Side 10mm	0.109	0.102	0.562	0.112	0.199	0.308	0.664	0.413
		Back Side 10mm	0.145	0.136	0.571	0.152	0.217	0.362	0.707	0.505
		Left Edge 10mm	0.084	0.079	0.539	0.054	0.193	0.277	0.618	0.326
		Right Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Top Edge 10mm	0.000	0.000	0.309	0.485	0.130	0.130	0.309	0.615
		Bottom Edge 10mm	0.238	0.223	0.000	0.000	0.000	0.238	0.223	0.223
n66	Ant.3	Front Side 10mm	0.375	0.192	0.562	0.112	0.199	0.574	0.754	0.503
		Back Side 10mm	0.378	0.195	0.571	0.152	0.217	0.595	0.766	0.564
		Left Edge 10mm	0.000	0.000	0.539	0.054	0.193	0.193	0.539	0.247
		Right Edge 10mm	0.157	0.080	0.000	0.000	0.000	0.157	0.080	0.080
		Top Edge 10mm	0.493	0.238	0.309	0.485	0.130	0.623	0.547	0.853
		Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
n66	Ant.0	Front Side 10mm	0.296	0.258	0.562	0.112	0.199	0.495	0.820	0.569
		Back Side 10mm	0.395	0.344	0.571	0.152	0.217	0.612	0.915	0.713
		Left Edge 10mm	0.117	0.098	0.539	0.054	0.193	0.310	0.637	0.345
		Right Edge 10mm	0.059	0.048	0.000	0.000	0.000	0.059	0.048	0.048
		Top Edge 10mm	0.000	0.000	0.309	0.485	0.130	0.130	0.309	0.615
		Bottom Edge 10mm	0.693	0.613	0.000	0.000	0.000	0.693	0.613	0.613

n38	Ant.3	Front Side 10mm	0.265	0.250	0.562	0.112	0.199	0.464	0.812	0.561
		Back Side 10mm	0.255	0.241	0.571	0.152	0.217	0.472	0.812	0.610
		Left Edge 10mm	0.000	0.000	0.539	0.054	0.193	0.193	0.539	0.247
		Right Edge 10mm	0.126	0.119	0.000	0.000	0.000	0.126	0.119	0.119
		Top Edge 10mm	0.399	0.377	0.309	0.485	0.130	0.529	0.686	0.992
		Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
n38	Ant.4	Front Side 10mm	0.018	0.014	0.562	0.112	0.199	0.217	0.576	0.325
		Back Side 10mm	0.223	0.083	0.571	0.152	0.217	0.440	0.654	0.452
		Left Edge 10mm	0.000	0.000	0.539	0.054	0.193	0.193	0.539	0.247
		Right Edge 10mm	0.107	0.046	0.000	0.000	0.000	0.107	0.046	0.046
		Top Edge 10mm	0.018	0.009	0.309	0.485	0.130	0.148	0.318	0.624
		Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
n38	Ant.0	Front Side 10mm	0.336	0.300	0.562	0.112	0.199	0.535	0.862	0.611
		Back Side 10mm	0.361	0.323	0.571	0.152	0.217	0.578	0.894	0.692
		Left Edge 10mm	0.007	0.006	0.539	0.054	0.193	0.200	0.545	0.253
		Right Edge 10mm	0.056	0.050	0.000	0.000	0.000	0.056	0.050	0.050
		Top Edge 10mm	0.000	0.000	0.309	0.485	0.130	0.130	0.309	0.615
		Bottom Edge 10mm	0.305	0.272	0.000	0.000	0.000	0.305	0.272	0.272
n41	Ant.3	Front Side 10mm	0.107	0.101	0.562	0.112	0.199	0.306	0.663	0.412
		Back Side 10mm	0.101	0.095	0.571	0.152	0.217	0.318	0.666	0.464
		Left Edge 10mm	0.000	0.000	0.539	0.054	0.193	0.193	0.539	0.247
		Right Edge 10mm	0.049	0.046	0.000	0.000	0.000	0.049	0.046	0.046
		Top Edge 10mm	0.152	0.144	0.309	0.485	0.130	0.282	0.453	0.759
		Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
n41	Ant.4	Front Side 10mm	0.022	0.020	0.562	0.112	0.199	0.221	0.582	0.331
		Back Side 10mm	0.238	0.225	0.571	0.152	0.217	0.455	0.796	0.594
		Left Edge 10mm	0.000	0.000	0.539	0.054	0.193	0.193	0.539	0.247
		Right Edge 10mm	0.133	0.125	0.000	0.000	0.000	0.133	0.125	0.125
		Top Edge 10mm	0.011	0.010	0.309	0.485	0.130	0.141	0.319	0.625
		Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
n41	Ant.0	Front Side 10mm	0.161	0.152	0.562	0.112	0.199	0.360	0.714	0.463
		Back Side 10mm	0.177	0.167	0.571	0.152	0.217	0.394	0.738	0.536
		Left Edge 10mm	0.102	0.096	0.539	0.054	0.193	0.295	0.635	0.343
		Right Edge 10mm	0.030	0.029	0.000	0.000	0.000	0.030	0.029	0.029
		Top Edge 10mm	0.000	0.000	0.309	0.485	0.130	0.130	0.309	0.615
		Bottom Edge 10mm	0.155	0.146	0.000	0.000	0.000	0.155	0.146	0.146

Note:

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

2: The highest Summed 1g SAR is 1.250 W/Kg < 1.6 W/kg, so Simultaneous Transmission SAR test is not required.

13.2.8 Specific Simultaneous Transmission SAR Evaluation for WWAN and WLAN and BT

Band	Antenna	Position	Stand alone SAR					SUM SAR		
			1	2	3	4	5			
			WWAN	WWAN	2.4GWIFI	5GWIFI Max.	Bluetooth	1+5	2+3	2+4+5
			State3	State8	Level7	Level7/8				
WCDMA B4	Ant.0	Bottom Edge 0mm	1.935	1.911	0.000	0.000	0.000	1.935	1.911	1.911
LTE B66	Ant.3	Bottom Edge 0mm	1.950	1.702	0.000	0.000	0.000	1.950	1.702	1.702
n66	Ant.3	Bottom Edge 0mm	2.092	1.832	0.000	0.000	0.000	**2.092**	1.832	1.832

Note:

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

2: The highest Summed 10g SAR is 2.092 W/Kg < 4.0 W/kg, so Simultaneous Transmission SAR test is not required.

13.2.9 Head Simultaneous Transmission SAR Evaluation for UL CA and WLAN and BT

Band	LTE Antenna	4G		UL CA		LTE Antenna	4G		UL CA		Position	Stand alone SAR									SUM SAR		
		LTE Band1 SAR	LTE Band1 Max Power	LTE Band1 Max Power	LTE Band1 Max Power		LTE Band2 SAR	LTE Band2 Max Power	LTE Band2 Max Power	LTE Band2 Max Power		LTE Band1 SAR	LTE Band1 SAR	LTE Band2 SAR	LTE Band2 SAR	1 UL CA (Band1 +Band2)	2 UL CA (Band1+ Band2)	3 2.4GWIFI	4 5GWIFI Max.	5 Bluetooth	1+5	2+3	2+4+5
		State5	State5	State5	State10		State5	State5	State5	State10		State5	State10	State5	State10	State5	State10	Level3	Level3/4				
CA_2A_4A	Ant.0	0.097	23.50	23.50	23.50	Ant.3	0.600	19.00	16.00	15.00	Left Cheek	0.097	0.097	0.301	0.239	0.398	0.336	0.530	0.363	0.430	0.828	0.866	1.129
		0.000	23.50	23.50	23.50		0.585	19.00	16.00	15.00	Left Tilt	0.000	0.000	0.293	0.233	0.293	0.233	0.496	0.582	0.424	0.717	0.729	1.239
		0.064	23.50	23.50	23.50		0.878	19.00	16.00	15.00	Right Cheek	0.064	0.064	0.440	0.350	0.504	0.414	0.387	0.281	0.313	0.817	0.801	1.008
		0.046	23.50	23.50	23.50		0.796	19.00	16.00	15.00	Right Tilt	0.046	0.046	0.399	0.317	0.445	0.363	0.265	0.194	0.215	0.660	0.628	0.772
CA_2A_7A	Ant.0	0.097	23.50	23.50	23.50	Ant.3	0.392	18.20	16.45	15.70	Left Cheek	0.097	0.097	0.262	0.220	0.359	0.317	0.530	0.363	0.430	0.789	0.847	1.110
		0.000	23.50	23.50	23.50		0.407	18.20	16.45	15.70	Left Tilt	0.000	0.000	0.272	0.229	0.272	0.229	0.496	0.582	0.424	0.696	0.725	1.235
		0.064	23.50	23.50	23.50		0.732	18.20	16.45	15.70	Right Cheek	0.064	0.064	0.489	0.412	0.553	0.476	0.387	0.281	0.313	0.866	0.863	1.070
		0.046	23.50	23.50	23.50		1.143	18.20	16.45	15.70	Right Tilt	0.046	0.046	0.764	0.643	0.810	0.689	0.265	0.194	0.215	1.025	0.954	1.098
CA_2A_7A	Ant.0	0.097	23.50	23.50	23.50	Ant.4	0.067	23.20	20.20	20.20	Left Cheek	0.097	0.097	0.034	0.034	0.131	0.131	0.530	0.363	0.430	0.561	0.661	0.924
		0.000	23.50	23.50	23.50		0.037	23.20	20.20	20.20	Left Tilt	0.000	0.000	0.019	0.019	0.019	0.019	0.496	0.582	0.424	0.443	0.515	1.025
		0.064	23.50	23.50	23.50		0.123	23.20	20.20	20.20	Right Cheek	0.064	0.064	0.062	0.062	0.126	0.126	0.387	0.281	0.313	0.439	0.513	0.720
		0.046	23.50	23.50	23.50		0.083	23.20	20.20	20.20	Right Tilt	0.046	0.046	0.042	0.042	0.088	0.088	0.265	0.194	0.215	0.303	0.353	0.497
CA_4A_7A	Ant.0	0.128	23.50	23.50	23.50	Ant.3	0.392	18.20	16.45	15.70	Left Cheek	0.128	0.128	0.262	0.220	0.390	0.348	0.530	0.363	0.430	0.820	0.878	1.141
		0.052	23.50	23.50	23.50		0.407	18.20	16.45	15.70	Left Tilt	0.052	0.052	0.272	0.229	0.324	0.281	0.496	0.582	0.424	0.748	0.777	**1.287**
		0.083	23.50	23.50	23.50		0.732	18.20	16.45	15.70	Right Cheek	0.083	0.083	0.489	0.412	0.572	0.495	0.387	0.281	0.313	0.885	0.882	1.089
		0.051	23.50	23.50	23.50		1.143	18.20	16.45	15.70	Right Tilt	0.051	0.051	0.764	0.643	0.815	0.694	0.265	0.194	0.215	1.030	0.959	1.103
CA_4A_7A	Ant.0	0.128	23.50	23.50	23.50	Ant.4	0.067	23.20	20.20	20.20	Left Cheek	0.128	0.128	0.034	0.034	0.162	0.162	0.530	0.363	0.430	0.592	0.692	0.955
		0.052	23.50	23.50	23.50		0.037	23.20	20.20	20.20	Left Tilt	0.052	0.052	0.019	0.019	0.071	0.071	0.496	0.582	0.424	0.495	0.567	1.077
		0.083	23.50	23.50	23.50		0.123	23.20	20.20	20.20	Right Cheek	0.083	0.083	0.062	0.062	0.145	0.145	0.387	0.281	0.313	0.458	0.532	0.739
		0.051	23.50	23.50	23.50		0.083	23.20	20.20	20.20	Right Tilt	0.051	0.051	0.042	0.042	0.093	0.093	0.265	0.194	0.215	0.308	0.358	0.502

Note:

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

2: The highest Summed 1g SAR is 1.287 W/Kg < 1.6 W/kg, so Simultaneous Transmission SAR test is not required.

13.2.10 Body-Worn Simultaneous Transmission SAR Evaluation for UL CA and WLAN and BT

Band	LTE Antenna	4G		UL CA		LTE Antenna	4G		UL CA		Position	Stand alone SAR									SUM SAR		
		LTE Band1 SAR	LTE Band1 Max Power	LTE Band1 Max Power	LTE Band1 Max Power		LTE Band2 SAR	LTE Band2 Max Power	LTE Band2 Max Power	LTE Band2 Max Power		LTE Band1 SAR	LTE Band1 SAR	LTE Band2 SAR	LTE Band2 SAR	1 UL CA (Band1 +Band2)	2 UL CA (Band1 +Band2)	3 2.4GWIFI	4 5GWIFI Max.	5 Bluetooth	1+5	2+3	2+4+5
		State3	State3	State3	State8		State3	State3	State3	State8		State3	State8	State3	State8	State3	State8	Level7	Level7/8				
CA_2A_4A	Ant.0	0.128	22.25	19.25	18.25	Ant.3	0.146	21.50	19.25	19.00	Front Side 15mm	0.064	0.051	0.087	0.082	0.151	0.133	0.210	0.099	0.081	0.232	0.343	0.313
		0.194	22.25	19.25	18.25		0.140	21.50	19.25	19.00	Back Side 15mm	0.097	0.077	0.083	0.079	0.181	0.156	0.241	0.151	0.087	0.268	**0.397**	0.394
CA_2A_7A	Ant.0	0.128	22.25	19.25	18.25	Ant.3	0.114	19.95	16.95	16.70	Front Side 15mm	0.064	0.051	0.057	0.054	0.121	0.105	0.210	0.099	0.081	0.202	0.315	0.285
		0.194	22.25	19.25	18.25		0.076	19.95	16.95	16.70	Back Side 15mm	0.097	0.077	0.038	0.036	0.135	0.113	0.241	0.151	0.087	0.222	0.354	0.351
CA_2A_7A	Ant.0	0.149	22.25	19.25	18.25	Ant.4	0.040	19.20	16.20	15.70	Front Side 15mm	0.075	0.059	0.020	0.018	0.095	0.077	0.210	0.099	0.081	0.176	0.287	0.257
		0.176	22.25	19.25	18.25		0.030	19.20	16.20	15.70	Back Side 15mm	0.088	0.070	0.015	0.013	0.103	0.083	0.241	0.151	0.087	0.190	0.324	0.321
CA_4A_7A	Ant.0	0.149	21.25	18.25	17.75	Ant.3	0.114	19.95	16.95	16.70	Front Side 15mm	0.075	0.067	0.057	0.054	0.132	0.120	0.210	0.099	0.081	0.213	0.330	0.300
		0.176	21.25	18.25	17.75		0.076	19.95	16.95	16.70	Back Side 15mm	0.088	0.079	0.038	0.036	0.126	0.115	0.241	0.151	0.087	0.213	0.356	0.353
CA_4A_7A	Ant.0	0.149	21.25	18.25	17.75	Ant.4	0.040	19.20	16.20	15.70	Front Side 15mm	0.075	0.067	0.020	0.018	0.095	0.084	0.210	0.099	0.081	0.176	0.294	0.264
		0.176	21.25	18.25	17.75		0.030	19.20	16.20	15.70	Back Side 15mm	0.088	0.079	0.015	0.013	0.103	0.092	0.241	0.151	0.087	0.190	0.333	0.330

Note:

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

2: The highest Summed 1g SAR is 0.397 W/Kg < 1.6 W/kg, so Simultaneous Transmission SAR test is not required.

13.2.11 Hotspot Simultaneous Transmission SAR Evaluation for UL CA and WLAN and BT

Band	LTE Antenna	4G		UL CA		LTE Antenna	4G		UL CA		Position	Stand alone SAR									SUM SAR		
		LTE Band1 SAR	LTE Band1 Max Power	LTE Band1 Max Power	LTE Band1 Max Power		LTE Band2 SAR	LTE Band2 Max Power	LTE Band2 Max Power	LTE Band2 Max Power		LTE Band1 SAR	LTE Band1 SAR	LTE Band2 SAR	LTE Band2 SAR	1 UL CA (Band1+ Band2)	2 UL CA (Band1 +Band2)	3 2.4GWIFI	4 5GWIFI Max.	5 Bluetooth	1+5	2+3	2+4+5
		State3	State3	State3	State8		State3	State3	State3	State8		State3	State8	State3	State8	State3	State8	Level7	Level7/8				
CA_2A_4A	Ant.0	0.250	22.25	19.25	18.25	Ant.3	0.411	21.50	19.25	19.00	Front Side 10mm	0.125	0.100	0.245	0.231	0.370	0.331	0.562	0.112	0.199	0.569	0.893	0.642
		0.342	22.25	19.25	18.25		0.393	21.50	19.25	19.00	Back Side 10mm	0.171	0.136	0.234	0.221	0.406	0.357	0.571	0.152	0.217	0.623	**0.928**	0.726
		0.126	22.25	19.25	18.25		0.000	21.50	19.25	19.00	Left Edge 10mm	0.063	0.050	0.000	0.000	0.063	0.050	0.539	0.054	0.193	0.256	0.589	0.297
		0.050	22.25	19.25	18.25		0.144	21.50	19.25	19.00	Right Edge 10mm	0.025	0.020	0.086	0.081	0.111	0.101	0.000	0.000	0.000	0.111	0.101	0.101
		0.000	22.25	19.25	18.25		0.468	21.50	19.25	19.00	Top Edge 10mm	0.000	0.000	0.279	0.263	0.279	0.263	0.309	0.485	0.130	0.409	0.572	0.878
		0.597	22.25	19.25	18.25		0.000	21.50	19.25	19.00	Bottom Edge 10mm	0.299	0.238	0.000	0.000	0.299	0.238	0.000	0.000	0.000	0.299	0.238	0.238
CA_2A_7A	Ant.0	0.250	22.25	19.25	18.25	Ant.3	0.190	19.95	16.95	16.70	Front Side 10mm	0.125	0.100	0.095	0.090	0.221	0.189	0.562	0.112	0.199	0.420	0.751	0.500
		0.342	22.25	19.25	18.25		0.146	19.95	16.95	16.70	Back Side 10mm	0.171	0.136	0.073	0.069	0.245	0.205	0.571	0.152	0.217	0.462	0.776	0.574
		0.126	22.25	19.25	18.25		0.000	19.95	16.95	16.70	Left Edge 10mm	0.063	0.050	0.000	0.000	0.063	0.050	0.539	0.054	0.193	0.256	0.589	0.297
		0.050	22.25	19.25	18.25		0.094	19.95	16.95	16.70	Right Edge 10mm	0.025	0.020	0.047	0.044	0.072	0.064	0.000	0.000	0.000	0.072	0.064	0.064
		0.000	22.25	19.25	18.25		0.293	19.95	16.95	16.70	Top Edge 10mm	0.000	0.000	0.147	0.139	0.147	0.139	0.309	0.485	0.130	0.277	0.448	0.754
		0.597	22.25	19.25	18.25		0.000	19.95	16.95	16.70	Bottom Edge 10mm	0.299	0.238	0.000	0.000	0.299	0.238	0.000	0.000	0.000	0.299	0.238	0.238
CA_2A_7A	Ant.0	0.250	22.25	19.25	18.25	Ant.4	0.042	19.20	16.20	15.70	Front Side 10mm	0.125	0.100	0.021	0.019	0.146	0.118	0.562	0.112	0.199	0.345	0.680	0.429
		0.342	22.25	19.25	18.25		0.167	19.20	16.20	15.70	Back Side 10mm	0.171	0.136	0.084	0.075	0.255	0.211	0.571	0.152	0.217	0.472	0.782	0.580
		0.126	22.25	19.25	18.25		0.000	19.20	16.20	15.70	Left Edge 10mm	0.063	0.050	0.000	0.000	0.063	0.050	0.539	0.054	0.193	0.256	0.589	0.297
		0.050	22.25	19.25	18.25		0.100	19.20	16.20	15.70	Right Edge 10mm	0.025	0.020	0.050	0.045	0.075	0.065	0.000	0.000	0.000	0.075	0.065	0.065
		0.000	22.25	19.25	18.25		0.000	19.20	16.20	15.70	Top Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000	0.309	0.485	0.130	0.130	0.309	0.615
		0.597	22.25	19.25	18.25		0.000	19.20	16.20	15.70	Bottom Edge 10mm	0.299	0.238	0.000	0.000	0.299	0.238	0.000	0.000	0.000	0.299	0.238	0.238
CA_4A_7A	Ant.0	0.311	21.25	18.25	17.75	Ant.3	0.190	19.95	16.95	16.70	Front Side 10mm	0.156	0.139	0.095	0.090	0.251	0.229	0.562	0.112	0.199	0.450	0.791	0.540
		0.420	21.25	18.25	17.75		0.146	19.95	16.95	16.70	Back Side 10mm	0.210	0.188	0.073	0.069	0.284	0.257	0.571	0.152	0.217	0.501	0.828	0.626
		0.118	21.25	18.25	17.75		0.000	19.95	16.95	16.70	Left Edge 10mm	0.059	0.053	0.000	0.000	0.059	0.053	0.539	0.054	0.193	0.252	0.592	0.300
		0.058	21.25	18.25	17.75		0.094	19.95	16.95	16.70	Right Edge 10mm	0.029	0.026	0.047	0.044	0.076	0.070	0.000	0.000	0.000	0.076	0.070	0.070
		0.000	21.25	18.25	17.75		0.293	19.95	16.95	16.70	Top Edge 10mm	0.000	0.000	0.147	0.139	0.147	0.139	0.309	0.485	0.130	0.277	0.448	0.754
		0.674	21.25	18.25	17.75		0.000	19.95	16.95	16.70	Bottom Edge 10mm	0.338	0.301	0.000	0.000	0.338	0.301	0.000	0.000	0.000	0.338	0.301	0.301
CA_4A_7A	Ant.0	0.311	21.25	18.25	17.75	Ant.4	0.042	19.20	16.20	15.70	Front Side 10mm	0.156	0.139	0.021	0.019	0.177	0.158	0.562	0.112	0.199	0.376	0.720	0.469
		0.420	21.25	18.25	17.75		0.167	19.20	16.20	15.70	Back Side 10mm	0.210	0.188	0.084	0.075	0.294	0.262	0.571	0.152	0.217	0.511	0.833	0.631
		0.118	21.25	18.25	17.75		0.000	19.20	16.20	15.70	Left Edge 10mm	0.059	0.053	0.000	0.000	0.059	0.053	0.539	0.054	0.193	0.252	0.592	0.300
		0.058	21.25	18.25	17.75		0.100	19.20	16.20	15.70	Right Edge 10mm	0.029	0.026	0.050	0.045	0.079	0.071	0.000	0.000	0.000	0.079	0.071	0.071
		0.000	21.25	18.25	17.75		0.000	19.20	16.20	15.70	Top Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000	0.309	0.485	0.130	0.130	0.309	0.615
		0.674	21.25	18.25	17.75		0.000	19.20	16.20	15.70	Bottom Edge 10mm	0.338	0.301	0.000	0.000	0.338	0.301	0.000	0.000	0.000	0.338	0.301	0.301

Note:

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

2: The highest Summed 1g SAR is 0.928 W/Kg < 1.6 W/kg, so Simultaneous Transmission SAR test is not required.

13.2.12 Head Simultaneous Transmission SAR Evaluation for ENDC and WLAN and BT

Band	LTE Antenna	4G		ENDC		NR Antenna	NSA		ENDC		Position	Stand alone SAR									SUM SAR		
		LTE SAR	LTE Max Power	LTE Max Power	LTE Max Power		NR SAR	NR Max Power	NR Max Power	NR Max Power		LTE SAR	LTE SAR	NR SAR	NR SAR	1 ENDC (LTE+NR)	2 ENDC (LTE+NR)	3 2.4GWIFI	4 5GWIFI Max.	5 Bluetooth	1+5	2+3	2+4+5
		State5	State5	State5	State10		State5	State5	State5	State10		State5	State10	State5	State10	State5	State10	Level3	Level3/4				
DC_7A+n5A	Ant.3	0.392	18.20	16.45	15.70	Ant.0	0.087	24.20	24.20	24.20	Left Cheek	0.262	0.220	0.087	0.087	0.349	0.307	0.530	0.363	0.430	0.779	0.837	1.100
		0.407	18.20	16.45	15.70		0.000	24.20	24.20	24.20	Left Tilt	0.272	0.229	0.000	0.000	0.272	0.229	0.496	0.582	0.424	0.696	0.725	1.235
		0.732	18.20	16.45	15.70		0.096	24.20	24.20	24.20	Right Cheek	0.489	0.412	0.096	0.096	0.585	0.508	0.387	0.281	0.313	0.898	0.895	1.102
		1.143	18.20	16.45	15.70		0.000	24.20	24.20	24.20	Right Tilt	0.764	0.643	0.000	0.000	0.764	0.643	0.265	0.194	0.215	0.979	0.908	1.052
DC_7A+n5A	Ant.0	0.045	24.20	24.20	24.20	Ant.1	0.995	23.70	23.20	21.20	Left Cheek	0.045	0.045	0.887	0.560	0.932	0.605	0.530	0.363	0.430	1.362	1.135	1.398
		0.000	24.20	24.20	24.20		0.122	23.70	23.20	21.20	Left Tilt	0.000	0.000	0.109	0.069	0.109	0.069	0.496	0.582	0.424	0.533	0.565	1.075
		0.074	24.20	24.20	24.20		0.535	23.70	23.20	21.20	Right Cheek	0.074	0.074	0.477	0.301	0.551	0.375	0.387	0.281	0.313	0.864	0.762	0.969
		0.000	24.20	24.20	24.20		0.091	23.70	23.20	21.20	Right Tilt	0.000	0.000	0.081	0.051	0.081	0.051	0.265	0.194	0.215	0.296	0.316	0.460
DC_7A+n5A	Ant.3	0.392	18.20	16.45	15.70	Ant.1	0.995	23.70	23.20	21.20	Left Cheek	0.262	0.220	0.887	0.560	1.149	0.780	0.530	0.363	0.430	1.579	1.310	1.573
		0.407	18.20	16.45	15.70		0.122	23.70	23.20	21.20	Left Tilt	0.272	0.229	0.109	0.069	0.381	0.297	0.496	0.582	0.424	0.805	0.793	1.303
		0.732	18.20	16.45	15.70		0.535	23.70	23.20	21.20	Right Cheek	0.489	0.412	0.477	0.301	0.966	0.712	0.387	0.281	0.313	1.279	1.099	1.306
		1.143	18.20	16.45	15.70		0.091	23.70	23.20	21.20	Right Tilt	0.764	0.643	0.081	0.051	0.845	0.694	0.265	0.194	0.215	1.060	0.959	1.103
DC_66A+n5A	Ant.3	0.474	19.00	16.00	15.00	Ant.0	0.087	24.20	24.20	24.20	Left Cheek	0.238	0.189	0.087	0.087	0.325	0.276	0.530	0.363	0.430	0.755	0.806	1.069
		0.466	19.00	16.00	15.00		0.000	24.20	24.20	24.20	Left Tilt	0.234	0.186	0.000	0.000	0.234	0.186	0.496	0.582	0.424	0.658	0.682	1.192
		0.843	19.00	16.00	15.00		0.096	24.20	24.20	24.20	Right Cheek	0.423	0.336	0.096	0.096	0.519	0.432	0.387	0.281	0.313	0.832	0.819	1.026
		0.817	19.00	16.00	15.00		0.000	24.20	24.20	24.20	Right Tilt	0.409	0.325	0.000	0.000	0.409	0.325	0.265	0.194	0.215	0.624	0.590	0.734
DC_66A+n5A	Ant.0	0.141	23.50	20.50	19.75	Ant.1	0.995	23.70	23.20	21.20	Left Cheek	0.071	0.059	0.887	0.560	0.957	0.619	0.530	0.363	0.430	1.387	1.149	1.412
		0.066	23.50	20.50	19.75		0.122	23.70	23.20	21.20	Left Tilt	0.033	0.028	0.109	0.069	0.142	0.096	0.496	0.582	0.424	0.566	0.592	1.102
		0.141	23.50	20.50	19.75		0.535	23.70	23.20	21.20	Right Cheek	0.071	0.059	0.477	0.301	0.547	0.360	0.387	0.281	0.313	0.860	0.747	0.954
		0.069	23.50	20.50	19.75		0.091	23.70	23.20	21.20	Right Tilt	0.035	0.029	0.081	0.051	0.116	0.080	0.265	0.194	0.215	0.331	0.345	0.489
DC_66A+n5A	Ant.3	0.474	19.00	16.00	15.00	Ant.1	0.995	23.70	23.20	21.20	Left Cheek	0.238	0.189	0.887	0.560	1.124	0.748	0.530	0.363	0.430	1.554	1.278	1.541
		0.466	19.00	16.00	15.00		0.122	23.70	23.20	21.20	Left Tilt	0.234	0.186	0.109	0.069	0.342	0.254	0.496	0.582	0.424	0.766	0.750	1.260
		0.843	19.00	16.00	15.00		0.535	23.70	23.20	21.20	Right Cheek	0.423	0.336	0.477	0.301	0.899	0.636	0.387	0.281	0.313	1.212	1.023	1.230
		0.817	19.00	16.00	15.00		0.091	23.70	23.20	21.20	Right Tilt	0.409	0.325	0.081	0.051	0.491	0.376	0.265	0.194	0.215	0.706	0.641	0.785
DC_2A+n7A	Ant.0	0.097	23.50	23.50	23.50	Ant.3	0.615	19.70	15.70	16.20	Left Cheek	0.097	0.097	0.245	0.275	0.342	0.372	0.530	0.363	0.430	0.772	0.902	1.165
		0.000	23.50	23.50	23.50		0.754	19.70	15.70	16.20	Left Tilt	0.000	0.000	0.300	0.337	0.300	0.337	0.496	0.582	0.424	0.724	0.833	1.343
		0.064	23.50	23.50	23.50		1.184	19.70	15.70	16.20	Right Cheek	0.064	0.064	0.471	0.529	0.535	0.593	0.387	0.281	0.313	0.848	0.980	1.187
		0.046	23.50	23.50	23.50		1.121	19.70	15.70	16.20	Right Tilt	0.046	0.046	0.446	0.501	0.492	0.547	0.265	0.194	0.215	0.707	0.812	0.956
DC_2A+n7A	Ant.0	0.097	23.50	23.50	23.50	Ant.4	0.056	23.20	23.20	23.20	Left Cheek	0.097	0.097	0.056	0.056	0.153	0.153	0.530	0.363	0.430	0.583	0.683	0.946
		0.000	23.50	23.50	23.50		0.000	23.20	23.20	23.20	Left Tilt	0.000	0.000	0.000	0.000	0.000	0.000	0.496	0.582	0.424	0.424	0.496	1.006
		0.064	23.50	23.50	23.50		0.085	23.20	23.20	23.20	Right Cheek	0.064	0.064	0.085	0.085	0.149	0.149	0.387	0.281	0.313	0.462	0.536	0.743
		0.046	23.50	23.50	23.50		0.056	23.20	23.20	23.20	Right Tilt	0.046	0.046	0.056	0.056	0.102	0.102	0.265	0.194	0.215	0.317	0.367	0.511
DC_4A+n7A	Ant.0	0.128	23.50	23.50	23.50	Ant.3	0.615	19.70	15.70	16.20	Left Cheek	0.128	0.128	0.245	0.275	0.373	0.403	0.530	0.363	0.430	0.803	0.933	1.196
		0.052	23.50	23.50	23.50		0.754	19.70	15.70	16.20	Left Tilt	0.052	0.052	0.300	0.337	0.352	0.389	0.496	0.582	0.424	0.776	0.885	1.395
		0.083	23.50	23.50	23.50		1.184	19.70	15.70	16.20	Right Cheek	0.083	0.083	0.471	0.529	0.554	0.612	0.387	0.281	0.313	0.867	0.999	1.206
		0.051	23.50	23.50	23.50		1.121	19.70	15.70	16.20	Right Tilt	0.051	0.051	0.446	0.501	0.497	0.552	0.265	0.194	0.215	0.712	0.817	0.961

DC_4A+n7A	Ant.0	0.128	23.50	23.50	23.50	Ant.4	0.056	23.20	23.20	23.20	Left Cheek	0.128	0.128	0.056	0.056	0.184	0.184	0.530	0.363	0.430	0.614	0.714	0.977
		0.052	23.50	23.50	23.50		0.000	23.20	23.20	23.20	Left Tilt	0.052	0.052	0.000	0.000	0.052	0.052	0.496	0.582	0.424	0.476	0.548	1.058
		0.083	23.50	23.50	23.50		0.085	23.20	23.20	23.20	Right Cheek	0.083	0.083	0.085	0.085	0.168	0.168	0.387	0.281	0.313	0.481	0.555	0.762
		0.051	23.50	23.50	23.50		0.056	23.20	23.20	23.20	Right Tilt	0.051	0.051	0.056	0.056	0.107	0.107	0.265	0.194	0.215	0.322	0.372	0.516
DC_5A+n7A	Ant.1	0.984	23.00	22.50	19.50	Ant.0	0.047	24.20	24.20	24.20	Left Cheek	0.877	0.440	0.047	0.047	0.924	0.487	0.530	0.363	0.430	1.354	1.017	1.280
		0.120	23.00	22.50	19.50		0.000	24.20	24.20	24.20	Left Tilt	0.107	0.054	0.000	0.000	0.107	0.054	0.496	0.582	0.424	0.531	0.550	1.060
		0.505	23.00	22.50	19.50		0.086	24.20	24.20	24.20	Right Cheek	0.450	0.226	0.086	0.086	0.536	0.312	0.387	0.281	0.313	0.849	0.699	0.906
		0.097	23.00	22.50	19.50		0.000	24.20	24.20	24.20	Right Tilt	0.086	0.043	0.000	0.000	0.086	0.043	0.265	0.194	0.215	0.301	0.308	0.452
DC_5A+n7A	Ant.0	0.109	24.50	24.50	24.50	Ant.3	0.615	19.70	15.70	16.20	Left Cheek	0.109	0.109	0.245	0.275	0.354	0.384	0.530	0.363	0.430	0.784	0.914	1.177
		0.062	24.50	24.50	24.50		0.754	19.70	15.70	16.20	Left Tilt	0.062	0.062	0.300	0.337	0.362	0.399	0.496	0.582	0.424	0.786	0.895	1.405
		0.094	24.50	24.50	24.50		1.184	19.70	15.70	16.20	Right Cheek	0.094	0.094	0.471	0.529	0.565	0.623	0.387	0.281	0.313	0.878	1.010	1.217
		0.000	24.50	24.50	24.50		1.121	19.70	15.70	16.20	Right Tilt	0.000	0.000	0.446	0.501	0.446	0.501	0.265	0.194	0.215	0.661	0.766	0.910
DC_5A+n7A	Ant.1	0.984	23.00	22.50	19.50	Ant.3	0.615	19.70	15.70	16.20	Left Cheek	0.877	0.440	0.245	0.275	1.122	0.714	0.530	0.363	0.430	1.552	1.244	1.507
		0.120	23.00	22.50	19.50		0.754	19.70	15.70	16.20	Left Tilt	0.107	0.054	0.300	0.337	0.407	0.390	0.496	0.582	0.424	0.831	0.886	1.396
		0.505	23.00	22.50	19.50		1.184	19.70	15.70	16.20	Right Cheek	0.450	0.226	0.471	0.529	0.921	0.754	0.387	0.281	0.313	1.234	1.141	1.348
		0.097	23.00	22.50	19.50		1.121	19.70	15.70	16.20	Right Tilt	0.086	0.043	0.446	0.501	0.533	0.544	0.265	0.194	0.215	0.748	0.809	0.953
DC_5A+n7A	Ant.0	0.109	24.50	24.50	24.50	Ant.4	0.056	23.20	23.20	23.20	Left Cheek	0.109	0.109	0.056	0.056	0.165	0.165	0.530	0.363	0.430	0.595	0.695	0.958
		0.062	24.50	24.50	24.50		0.000	23.20	23.20	23.20	Left Tilt	0.062	0.062	0.000	0.000	0.062	0.062	0.496	0.582	0.424	0.486	0.558	1.068
		0.094	24.50	24.50	24.50		0.085	23.20	23.20	23.20	Right Cheek	0.094	0.094	0.085	0.085	0.179	0.179	0.387	0.281	0.313	0.492	0.566	0.773
		0.000	24.50	24.50	24.50		0.056	23.20	23.20	23.20	Right Tilt	0.000	0.000	0.056	0.056	0.056	0.056	0.265	0.194	0.215	0.271	0.321	0.465
DC_5A+n7A	Ant.1	0.984	23.00	22.50	19.50	Ant.4	0.056	23.20	23.20	23.20	Left Cheek	0.877	0.440	0.056	0.056	0.933	0.496	0.530	0.363	0.430	1.363	1.026	1.289
		0.120	23.00	22.50	19.50		0.000	23.20	23.20	23.20	Left Tilt	0.107	0.054	0.000	0.000	0.107	0.054	0.496	0.582	0.424	0.531	0.550	1.060
		0.505	23.00	22.50	19.50		0.085	23.20	23.20	23.20	Right Cheek	0.450	0.226	0.085	0.085	0.535	0.311	0.387	0.281	0.313	0.848	0.698	0.905
		0.097	23.00	22.50	19.50		0.056	23.20	23.20	23.20	Right Tilt	0.086	0.043	0.056	0.056	0.142	0.099	0.265	0.194	0.215	0.357	0.364	0.508
DC_66A+n7A	Ant.0	0.141	23.50	20.50	19.75	Ant.3	0.615	19.70	15.70	16.20	Left Cheek	0.071	0.059	0.245	0.275	0.316	0.334	0.530	0.363	0.430	0.746	0.864	1.127
		0.066	23.50	20.50	19.75		0.754	19.70	15.70	16.20	Left Tilt	0.033	0.028	0.300	0.337	0.333	0.365	0.496	0.582	0.424	0.757	0.861	1.371
		0.141	23.50	20.50	19.75		1.184	19.70	15.70	16.20	Right Cheek	0.071	0.059	0.471	0.529	0.542	0.588	0.387	0.281	0.313	0.855	0.975	1.182
		0.069	23.50	20.50	19.75		1.121	19.70	15.70	16.20	Right Tilt	0.035	0.029	0.446	0.501	0.481	0.530	0.265	0.194	0.215	0.696	0.795	0.939
DC_66A+n7A	Ant.0	0.141	23.50	20.50	19.75	Ant.4	0.056	23.20	23.20	23.20	Left Cheek	0.071	0.059	0.056	0.056	0.127	0.115	0.530	0.363	0.430	0.557	0.645	0.908
		0.066	23.50	20.50	19.75		0.000	23.20	23.20	23.20	Left Tilt	0.033	0.028	0.000	0.000	0.033	0.028	0.496	0.582	0.424	0.457	0.524	1.034
		0.141	23.50	20.50	19.75		0.085	23.20	23.20	23.20	Right Cheek	0.071	0.059	0.085	0.085	0.156	0.144	0.387	0.281	0.313	0.469	0.531	0.738
		0.069	23.50	20.50	19.75		0.056	23.20	23.20	23.20	Right Tilt	0.035	0.029	0.056	0.056	0.091	0.085	0.265	0.194	0.215	0.306	0.350	0.494
DC_2A+n66A	Ant.0	0.097	23.50	23.50	23.50	Ant.3	0.554	19.45	16.45	16.20	Left Cheek	0.097	0.097	0.278	0.262	0.375	0.359	0.530	0.363	0.430	0.805	0.889	1.152
		0.000	23.50	23.50	23.50		0.607	19.45	16.45	16.20	Left Tilt	0.000	0.000	0.304	0.287	0.304	0.287	0.496	0.582	0.424	0.728	0.783	1.293
		0.064	23.50	23.50	23.50		1.083	19.45	16.45	16.20	Right Cheek	0.064	0.064	0.543	0.512	0.607	0.576	0.387	0.281	0.313	0.920	0.963	1.170
		0.046	23.50	23.50	23.50		0.798	19.45	16.45	16.20	Right Tilt	0.046	0.046	0.400	0.378	0.446	0.424	0.265	0.194	0.215	0.661	0.689	0.833
DC_5A+n66A	Ant.1	0.984	23.00	22.50	19.50	Ant.0	0.120	24.20	24.20	24.20	Left Cheek	0.877	0.440	0.120	0.120	0.997	0.560	0.530	0.363	0.430	1.427	1.090	1.353
		0.120	23.00	22.50	19.50		0.056	24.20	24.20	24.20	Left Tilt	0.107	0.054	0.056	0.056	0.163	0.110	0.496	0.582	0.424	0.587	0.606	1.116
		0.505	23.00	22.50	19.50		0.128	24.20	24.20	24.20	Right Cheek	0.450	0.226	0.128	0.128	0.578	0.354	0.387	0.281	0.313	0.891	0.741	0.948
		0.097	23.00	22.50	19.50		0.064	24.20	24.20	24.20	Right Tilt	0.086	0.043	0.064	0.064	0.150	0.107	0.265	0.194	0.215	0.365	0.372	0.516
DC_5A+n66A	Ant.0	0.109	24.50	24.50	24.50	Ant.3	0.554	19.45	16.45	16.20	Left Cheek	0.109	0.109	0.278	0.262	0.387	0.371	0.530	0.363	0.430	0.817	0.901	1.164
		0.062	24.50	24.50	24.50		0.607	19.45	16.45	16.20	Left Tilt	0.062	0.062	0.304	0.287	0.366	0.349	0.496	0.582	0.424	0.790	0.845	1.355
		0.094	24.50	24.50	24.50		1.083	19.45	16.45	16.20	Right Cheek	0.094	0.094	0.543	0.512	0.637	0.606	0.387	0.281	0.313	0.950	0.993	1.200

		0.000	24.50	24.50	24.50		0.798	19.45	16.45	16.20	Right Tilt	0.000	0.000	0.400	0.378	0.400	0.378	0.265	0.194	0.215	0.615	0.643	0.787
DC_5A+n66A	Ant.1	0.984	23.00	22.50	19.50	Ant.3	0.554	19.45	16.45	16.20	Left Cheek	0.877	0.440	0.278	0.262	1.155	0.702	0.530	0.363	0.430	**1.585**	1.232	1.495
		0.120	23.00	22.50	19.50		0.607	19.45	16.45	16.20	Left Tilt	0.107	0.054	0.304	0.287	0.411	0.341	0.496	0.582	0.424	0.835	0.837	1.347
		0.505	23.00	22.50	19.50		1.083	19.45	16.45	16.20	Right Cheek	0.450	0.226	0.543	0.512	0.993	0.738	0.387	0.281	0.313	1.306	1.125	1.332
		0.097	23.00	22.50	19.50		0.798	19.45	16.45	16.20	Right Tilt	0.086	0.043	0.400	0.378	0.486	0.421	0.265	0.194	0.215	0.701	0.686	0.830
DC_7A+n66A	Ant.3	0.392	18.20	15.25	14.50	Ant.0	0.120	24.20	24.20	24.20	Left Cheek	0.199	0.167	0.120	0.120	0.319	0.287	0.530	0.363	0.430	0.749	0.817	1.080
		0.407	18.20	15.25	14.50		0.056	24.20	24.20	24.20	Left Tilt	0.206	0.174	0.056	0.056	0.262	0.230	0.496	0.582	0.424	0.686	0.726	1.236
		0.732	18.20	15.25	14.50		0.128	24.20	24.20	24.20	Right Cheek	0.371	0.312	0.128	0.128	0.499	0.440	0.387	0.281	0.313	0.812	0.827	1.034
		1.143	18.20	15.25	14.50		0.064	24.20	24.20	24.20	Right Tilt	0.579	0.488	0.064	0.064	0.643	0.552	0.265	0.194	0.215	0.858	0.817	0.961
DC_12A+n66A	Ant.1	0.719	24.50	24.50	23.00	Ant.0	0.120	24.20	24.20	24.20	Left Cheek	0.719	0.509	0.120	0.120	0.839	0.629	0.530	0.363	0.430	1.269	1.159	1.422
		0.096	24.50	24.50	23.00		0.056	24.20	24.20	24.20	Left Tilt	0.096	0.068	0.056	0.056	0.152	0.124	0.496	0.582	0.424	0.576	0.620	1.130
		0.441	24.50	24.50	23.00		0.128	24.20	24.20	24.20	Right Cheek	0.441	0.312	0.128	0.128	0.569	0.440	0.387	0.281	0.313	0.882	0.827	1.034
		0.079	24.50	24.50	23.00		0.064	24.20	24.20	24.20	Right Tilt	0.079	0.056	0.064	0.064	0.143	0.120	0.265	0.194	0.215	0.358	0.385	0.529
DC_12A+n66A	Ant.0	0.172	24.50	24.50	24.50	Ant.3	0.554	19.45	16.45	16.20	Left Cheek	0.172	0.172	0.278	0.262	0.450	0.434	0.530	0.363	0.430	0.880	0.964	1.227
		0.090	24.50	24.50	24.50		0.607	19.45	16.45	16.20	Left Tilt	0.090	0.090	0.304	0.287	0.394	0.377	0.496	0.582	0.424	0.818	0.873	1.383
		0.203	24.50	24.50	24.50		1.083	19.45	16.45	16.20	Right Cheek	0.203	0.203	0.543	0.512	0.746	0.715	0.387	0.281	0.313	1.059	1.102	1.309
		0.075	24.50	24.50	24.50		0.798	19.45	16.45	16.20	Right Tilt	0.075	0.075	0.400	0.378	0.475	0.453	0.265	0.194	0.215	0.690	0.718	0.862
DC_12A+n66A	Ant.1	0.719	24.50	24.50	23.00	Ant.3	0.554	19.45	16.45	16.20	Left Cheek	0.719	0.509	0.278	0.262	0.997	0.771	0.530	0.363	0.430	1.427	1.301	1.564
		0.096	24.50	24.50	23.00		0.607	19.45	16.45	16.20	Left Tilt	0.096	0.068	0.304	0.287	0.400	0.355	0.496	0.582	0.424	0.824	0.851	1.361
		0.441	24.50	24.50	23.00		1.083	19.45	16.45	16.20	Right Cheek	0.441	0.312	0.543	0.512	0.984	0.825	0.387	0.281	0.313	1.297	1.212	1.419
		0.079	24.50	24.50	23.00		0.798	19.45	16.45	16.20	Right Tilt	0.079	0.056	0.400	0.378	0.479	0.434	0.265	0.194	0.215	0.694	0.699	0.843
DC_4A+n38A	Ant.0	0.128	23.50	23.50	23.50	Ant.3	0.590	18.70	15.20	15.45	Left Cheek	0.128	0.128	0.264	0.279	0.392	0.407	0.530	0.363	0.430	0.822	0.937	1.200
		0.052	23.50	23.50	23.50		0.644	18.70	15.20	15.45	Left Tilt	0.052	0.052	0.288	0.305	0.340	0.357	0.496	0.582	0.424	0.764	0.853	1.363
		0.083	23.50	23.50	23.50		0.975	18.70	15.20	15.45	Right Cheek	0.083	0.083	0.436	0.461	0.519	0.544	0.387	0.281	0.313	0.832	0.931	1.138
		0.051	23.50	23.50	23.50		0.968	18.70	15.20	15.45	Right Tilt	0.051	0.051	0.432	0.458	0.483	0.509	0.265	0.194	0.215	0.698	0.774	0.918
DC_4A+n38A	Ant.0	0.128	23.50	23.50	23.50	Ant.4	0.075	23.20	23.20	23.20	Left Cheek	0.128	0.128	0.075	0.075	0.203	0.203	0.530	0.363	0.430	0.633	0.733	0.996
		0.052	23.50	23.50	23.50		0.054	23.20	23.20	23.20	Left Tilt	0.052	0.052	0.054	0.054	0.106	0.106	0.496	0.582	0.424	0.530	0.602	1.112
		0.083	23.50	23.50	23.50		0.134	23.20	23.20	23.20	Right Cheek	0.083	0.083	0.134	0.134	0.217	0.217	0.387	0.281	0.313	0.530	0.604	0.811
		0.051	23.50	23.50	23.50		0.097	23.20	23.20	23.20	Right Tilt	0.051	0.051	0.097	0.097	0.148	0.148	0.265	0.194	0.215	0.363	0.413	0.557
DC_5A+n38A	Ant.1	0.984	23.00	22.50	19.50	Ant.0	0.037	24.20	24.20	24.20	Left Cheek	0.877	0.440	0.037	0.037	0.914	0.477	0.530	0.363	0.430	1.344	1.007	1.270
		0.120	23.00	22.50	19.50		0.023	24.20	24.20	24.20	Left Tilt	0.107	0.054	0.023	0.023	0.130	0.077	0.496	0.582	0.424	0.554	0.573	1.083
		0.505	23.00	22.50	19.50		0.054	24.20	24.20	24.20	Right Cheek	0.450	0.226	0.054	0.054	0.504	0.280	0.387	0.281	0.313	0.817	0.667	0.874
		0.097	23.00	22.50	19.50		0.034	24.20	24.20	24.20	Right Tilt	0.086	0.043	0.034	0.034	0.120	0.077	0.265	0.194	0.215	0.335	0.342	0.486
DC_5A+n38A	Ant.0	0.109	24.50	24.50	24.50	Ant.3	0.590	18.70	15.20	15.45	Left Cheek	0.109	0.109	0.264	0.279	0.373	0.388	0.530	0.363	0.430	0.803	0.918	1.181
		0.062	24.50	24.50	24.50		0.644	18.70	15.20	15.45	Left Tilt	0.062	0.062	0.288	0.305	0.350	0.367	0.496	0.582	0.424	0.774	0.863	1.373
		0.094	24.50	24.50	24.50		0.975	18.70	15.20	15.45	Right Cheek	0.094	0.094	0.436	0.461	0.530	0.555	0.387	0.281	0.313	0.843	0.942	1.149
		0.000	24.50	24.50	24.50		0.968	18.70	15.20	15.45	Right Tilt	0.000	0.000	0.432	0.458	0.432	0.458	0.265	0.194	0.215	0.647	0.723	0.867
DC_5A+n38A	Ant.1	0.984	23.00	22.50	19.50	Ant.3	0.590	18.70	15.20	15.45	Left Cheek	0.877	0.440	0.264	0.279	1.141	0.719	0.530	0.363	0.430	1.571	1.249	1.512
		0.120	23.00	22.50	19.50		0.644	18.70	15.20	15.45	Left Tilt	0.107	0.054	0.288	0.305	0.395	0.358	0.496	0.582	0.424	0.819	0.854	1.364
		0.505	23.00	22.50	19.50		0.975	18.70	15.20	15.45	Right Cheek	0.450	0.226	0.436	0.461	0.886	0.687	0.387	0.281	0.313	1.199	1.074	1.281
		0.097	23.00	22.50	19.50		0.968	18.70	15.20	15.45	Right Tilt	0.086	0.043	0.432	0.458	0.519	0.501	0.265	0.194	0.215	0.734	0.766	0.910
DC_5A+n38A	Ant.0	0.109	24.50	24.50	24.50	Ant.4	0.075	23.20	23.20	23.20	Left Cheek	0.109	0.109	0.075	0.075	0.184	0.184	0.530	0.363	0.430	0.614	0.714	0.977
		0.062	24.50	24.50	24.50		0.054	23.20	23.20	23.20	Left Tilt	0.062	0.062	0.054	0.054	0.116	0.116	0.496	0.582	0.424	0.540	0.612	1.122

		0.094	24.50	24.50	24.50		0.134	23.20	23.20	23.20	Right Cheek	0.094	0.094	0.134	0.134	0.228	0.228	0.387	0.281	0.313	0.541	0.615	0.822
		0.000	24.50	24.50	24.50		0.097	23.20	23.20	23.20	Right Tilt	0.000	0.000	0.097	0.097	0.097	0.097	0.265	0.194	0.215	0.312	0.362	0.506
DC_5A+n38A	Ant.1	0.984	23.00	22.50	19.50	Ant.4	0.075	23.20	23.20	23.20	Left Cheek	0.877	0.440	0.075	0.075	0.952	0.515	0.530	0.363	0.430	1.382	1.045	1.308
		0.120	23.00	22.50	19.50		0.054	23.20	23.20	23.20	Left Tilt	0.107	0.054	0.054	0.054	0.161	0.108	0.496	0.582	0.424	0.585	0.604	1.114
		0.505	23.00	22.50	19.50		0.134	23.20	23.20	23.20	Right Cheek	0.450	0.226	0.134	0.134	0.584	0.360	0.387	0.281	0.313	0.897	0.747	0.954
		0.097	23.00	22.50	19.50		0.097	23.20	23.20	23.20	Right Tilt	0.086	0.043	0.097	0.097	0.183	0.140	0.265	0.194	0.215	0.398	0.405	0.549
DC_66A+n38A	Ant.0	0.141	23.50	20.50	19.75	Ant.3	0.590	18.70	15.20	15.45	Left Cheek	0.071	0.059	0.264	0.279	0.334	0.339	0.530	0.363	0.430	0.764	0.869	1.132
		0.066	23.50	20.50	19.75		0.644	18.70	15.20	15.45	Left Tilt	0.033	0.028	0.288	0.305	0.321	0.333	0.496	0.582	0.424	0.745	0.829	1.339
		0.141	23.50	20.50	19.75		0.975	18.70	15.20	15.45	Right Cheek	0.071	0.059	0.436	0.461	0.506	0.521	0.387	0.281	0.313	0.819	0.908	1.115
		0.069	23.50	20.50	19.75		0.968	18.70	15.20	15.45	Right Tilt	0.035	0.029	0.432	0.458	0.467	0.487	0.265	0.194	0.215	0.682	0.752	0.896
DC_66A+n38A	Ant.0	0.141	23.50	20.50	19.75	Ant.4	0.075	23.20	23.20	23.20	Left Cheek	0.071	0.059	0.075	0.075	0.146	0.134	0.530	0.363	0.430	0.576	0.664	0.927
		0.066	23.50	20.50	19.75		0.054	23.20	23.20	23.20	Left Tilt	0.033	0.028	0.054	0.054	0.087	0.082	0.496	0.582	0.424	0.511	0.578	1.088
		0.141	23.50	20.50	19.75		0.134	23.20	23.20	23.20	Right Cheek	0.071	0.059	0.134	0.134	0.205	0.193	0.387	0.281	0.313	0.518	0.580	0.787
		0.069	23.50	20.50	19.75		0.097	23.20	23.20	23.20	Right Tilt	0.035	0.029	0.097	0.097	0.132	0.126	0.265	0.194	0.215	0.347	0.391	0.535
DC_4A+n41A	Ant.0	0.128	23.50	23.50	23.50	Ant.3	0.335	16.70	13.95	16.20	Left Cheek	0.128	0.128	0.178	0.299	0.306	0.427	0.530	0.363	0.430	0.736	0.957	1.220
		0.052	23.50	23.50	23.50		0.348	16.70	13.95	16.20	Left Tilt	0.052	0.052	0.185	0.310	0.237	0.362	0.496	0.582	0.424	0.661	0.858	1.368
		0.083	23.50	23.50	23.50		0.616	16.70	13.95	16.20	Right Cheek	0.083	0.083	0.327	0.549	0.410	0.632	0.387	0.281	0.313	0.723	1.019	1.226
		0.051	23.50	23.50	23.50		0.544	16.70	13.95	16.20	Right Tilt	0.051	0.051	0.289	0.485	0.340	0.536	0.265	0.194	0.215	0.555	0.801	0.945
DC_4A+n41A	Ant.0	0.128	23.50	23.50	23.50	Ant.4	0.066	23.20	23.20	23.20	Left Cheek	0.128	0.128	0.066	0.066	0.194	0.194	0.530	0.363	0.430	0.624	0.724	0.987
		0.052	23.50	23.50	23.50		0.042	23.20	23.20	23.20	Left Tilt	0.052	0.052	0.042	0.042	0.094	0.094	0.496	0.582	0.424	0.518	0.590	1.100
		0.083	23.50	23.50	23.50		0.118	23.20	23.20	23.20	Right Cheek	0.083	0.083	0.118	0.118	0.201	0.201	0.387	0.281	0.313	0.514	0.588	0.795
		0.051	23.50	23.50	23.50		0.073	23.20	23.20	23.20	Right Tilt	0.051	0.051	0.073	0.073	0.124	0.124	0.265	0.194	0.215	0.339	0.389	0.533
DC_26A+n41A	Ant.1	0.986	23.50	22.50	20.00	Ant.0	0.057	24.20	24.20	24.20	Left Cheek	0.783	0.440	0.057	0.057	0.840	0.497	0.530	0.363	0.430	1.270	1.027	1.290
		0.122	23.50	22.50	20.00		0.022	24.20	24.20	24.20	Left Tilt	0.097	0.054	0.022	0.022	0.119	0.076	0.496	0.582	0.424	0.543	0.572	1.082
		0.571	23.50	22.50	20.00		0.119	24.20	24.20	24.20	Right Cheek	0.454	0.255	0.119	0.119	0.573	0.374	0.387	0.281	0.313	0.886	0.761	0.968
		0.101	23.50	22.50	20.00		0.029	24.20	24.20	24.20	Right Tilt	0.080	0.045	0.029	0.029	0.109	0.074	0.265	0.194	0.215	0.324	0.339	0.483
DC_26A+n41A	Ant.0	0.103	24.00	24.00	24.00	Ant.3	0.335	16.70	13.95	16.20	Left Cheek	0.103	0.103	0.178	0.299	0.281	0.402	0.530	0.363	0.430	0.711	0.932	1.195
		0.060	24.00	24.00	24.00		0.348	16.70	13.95	16.20	Left Tilt	0.060	0.060	0.185	0.310	0.245	0.370	0.496	0.582	0.424	0.669	0.866	1.376
		0.091	24.00	24.00	24.00		0.616	16.70	13.95	16.20	Right Cheek	0.091	0.091	0.327	0.549	0.418	0.640	0.387	0.281	0.313	0.731	1.027	1.234
		0.000	24.00	24.00	24.00		0.544	16.70	13.95	16.20	Right Tilt	0.000	0.000	0.289	0.485	0.289	0.485	0.265	0.194	0.215	0.504	0.750	0.894
DC_26A+n41A	Ant.1	0.986	23.50	22.50	20.00	Ant.3	0.335	16.70	13.95	16.20	Left Cheek	0.783	0.440	0.178	0.299	0.961	0.739	0.530	0.363	0.430	1.391	1.269	1.532
		0.122	23.50	22.50	20.00		0.348	16.70	13.95	16.20	Left Tilt	0.097	0.054	0.185	0.310	0.282	0.365	0.496	0.582	0.424	0.706	0.861	1.371
		0.571	23.50	22.50	20.00		0.616	16.70	13.95	16.20	Right Cheek	0.454	0.255	0.327	0.549	0.781	0.804	0.387	0.281	0.313	1.094	1.191	1.398
		0.101	23.50	22.50	20.00		0.544	16.70	13.95	16.20	Right Tilt	0.080	0.045	0.289	0.485	0.369	0.530	0.265	0.194	0.215	0.584	0.795	0.939
DC_26A+n41A	Ant.0	0.103	24.00	24.00	24.00	Ant.4	0.066	23.20	23.20	23.20	Left Cheek	0.103	0.103	0.066	0.066	0.169	0.169	0.530	0.363	0.430	0.599	0.699	0.962
		0.060	24.00	24.00	24.00		0.042	23.20	23.20	23.20	Left Tilt	0.060	0.060	0.042	0.042	0.102	0.102	0.496	0.582	0.424	0.526	0.598	1.108
		0.091	24.00	24.00	24.00		0.118	23.20	23.20	23.20	Right Cheek	0.091	0.091	0.118	0.118	0.209	0.209	0.387	0.281	0.313	0.522	0.596	0.803
		0.000	24.00	24.00	24.00		0.073	23.20	23.20	23.20	Right Tilt	0.000	0.000	0.073	0.073	0.073	0.073	0.265	0.194	0.215	0.288	0.338	0.482
DC_26A+n41A	Ant.1	0.986	23.50	22.50	20.00	Ant.4	0.066	23.20	23.20	23.20	Left Cheek	0.783	0.440	0.066	0.066	0.849	0.506	0.530	0.363	0.430	1.279	1.036	1.299
		0.122	23.50	22.50	20.00		0.042	23.20	23.20	23.20	Left Tilt	0.097	0.054	0.042	0.042	0.139	0.096	0.496	0.582	0.424	0.563	0.592	1.102
		0.571	23.50	22.50	20.00		0.118	23.20	23.20	23.20	Right Cheek	0.454	0.255	0.118	0.118	0.572	0.373	0.387	0.281	0.313	0.885	0.760	0.967
		0.101	23.50	22.50	20.00		0.073	23.20	23.20	23.20	Right Tilt	0.080	0.045	0.073	0.073	0.153	0.118	0.265	0.194	0.215	0.368	0.383	0.527
DC_66A+n41A	Ant.0	0.141	23.50	20.50	19.75	Ant.3	0.335	16.70	13.95	16.20	Left Cheek	0.071	0.059	0.178	0.299	0.249	0.358	0.530	0.363	0.430	0.679	0.888	1.151

		0.066	23.50	20.50	19.75		0.348	16.70	13.95	16.20	Left Tilt	0.033	0.028	0.185	0.310	0.218	0.338	0.496	0.582	0.424	0.642	0.834	1.344
		0.141	23.50	20.50	19.75		0.616	16.70	13.95	16.20	Right Cheek	0.071	0.059	0.327	0.549	0.398	0.608	0.387	0.281	0.313	0.711	0.995	1.202
		0.069	23.50	20.50	19.75		0.544	16.70	13.95	16.20	Right Tilt	0.035	0.029	0.289	0.485	0.323	0.514	0.265	0.194	0.215	0.538	0.779	0.923
DC_66A+n41A	Ant.0	0.141	23.50	20.50	19.75	Ant.4	0.066	23.20	23.20	23.20	Left Cheek	0.071	0.059	0.066	0.066	0.137	0.125	0.530	0.363	0.430	0.567	0.655	0.918
		0.066	23.50	20.50	19.75		0.042	23.20	23.20	23.20	Left Tilt	0.033	0.028	0.042	0.042	0.075	0.070	0.496	0.582	0.424	0.499	0.566	1.076
		0.141	23.50	20.50	19.75		0.118	23.20	23.20	23.20	Right Cheek	0.071	0.059	0.118	0.118	0.189	0.177	0.387	0.281	0.313	0.502	0.564	0.771
		0.069	23.50	20.50	19.75		0.073	23.20	23.20	23.20	Right Tilt	0.035	0.029	0.073	0.073	0.108	0.102	0.265	0.194	0.215	0.323	0.367	0.511

Note:

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

2: The highest Summed 1g SAR is 1.585 W/Kg < 1.6 W/kg, so Simultaneous Transmission SAR test is not required.

13.2.13 Body-Worn Simultaneous Transmission SAR Evaluation for ENDC and WLAN and BT

Band	LTE Antenna	4G		ENDC		NR Antenna	NSA		ENDC		Position	Stand alone SAR									SUM SAR		
		LTE SAR	LTE Max Power	LTE Max Power	LTE Max Power		NR SAR	NR Max Power	NR Max Power	NR Max Power		LTE SAR	LTE SAR	NR SAR	NR SAR	1 ENDC (LTE+NR)	2 ENDC (LTE+NR)	3 2.4GWIFI	4 5GWIFI Max.	5 Bluetooth	1+5	2+3	2+4+5
		State3	State3	State3	State8		State3	State3	State3	State8		State3	State8	State3	State8	State3	State8	Level7	Level7/8				
DC_7A+n5A	Ant.3	0.114	19.95	16.95	16.70	Ant.0	0.063	23.95	20.95	22.70	Front Side 15mm	0.057	0.054	0.032	0.047	0.089	0.101	0.210	0.099	0.081	0.170	0.311	0.281
		0.076	19.95	16.95	16.70		0.073	23.95	20.95	22.70	Back Side 15mm	0.038	0.036	0.037	0.055	0.075	0.091	0.241	0.151	0.087	0.162	0.332	0.329
DC_7A+n5A	Ant.0	0.067	21.95	18.95	18.70	Ant.1	0.173	24.20	24.20	23.45	Front Side 15mm	0.034	0.032	0.173	0.146	0.207	0.177	0.210	0.099	0.081	0.288	0.387	0.357
		0.089	21.95	18.95	18.70		0.226	24.20	24.20	23.45	Back Side 15mm	0.045	0.042	0.226	0.190	0.271	0.232	0.241	0.151	0.087	0.358	0.473	0.470
DC_7A+n5A	Ant.3	0.114	19.95	16.95	16.70	Ant.1	0.173	24.20	24.20	23.45	Front Side 15mm	0.057	0.054	0.173	0.146	0.230	0.200	0.210	0.099	0.081	0.311	0.410	0.380
		0.076	19.95	16.95	16.70		0.226	24.20	24.20	23.45	Back Side 15mm	0.038	0.036	0.226	0.190	0.264	0.226	0.241	0.151	0.087	0.351	0.467	0.464
DC_66A+n5A	Ant.3	0.176	22.00	19.00	18.75	Ant.0	0.063	23.95	20.95	22.70	Front Side 15mm	0.088	0.083	0.032	0.047	0.120	0.131	0.210	0.099	0.081	0.201	0.341	0.311
		0.165	22.00	19.00	18.75		0.073	23.95	20.95	22.70	Back Side 15mm	0.083	0.078	0.037	0.055	0.119	0.133	0.241	0.151	0.087	0.206	0.374	0.371
DC_66A+n5A	Ant.0	0.161	21.25	18.25	17.75	Ant.1	0.173	24.20	24.20	23.45	Front Side 15mm	0.081	0.072	0.173	0.146	0.254	0.217	0.210	0.099	0.081	0.335	0.427	0.397
		0.250	21.25	18.25	17.75		0.226	24.20	24.20	23.45	Back Side 15mm	0.125	0.112	0.226	0.190	0.351	0.302	0.241	0.151	0.087	0.438	0.543	0.540
DC_66A+n5A	Ant.3	0.176	22.00	19.00	18.75	Ant.1	0.173	24.20	24.20	23.45	Front Side 15mm	0.088	0.083	0.173	0.146	0.261	0.229	0.210	0.099	0.081	0.342	0.439	0.409
		0.165	22.00	19.00	18.75		0.226	24.20	24.20	23.45	Back Side 15mm	0.083	0.078	0.226	0.190	0.309	0.268	0.241	0.151	0.087	0.396	0.509	0.506
DC_2A+n7A	Ant.0	0.128	22.25	19.25	18.25	Ant.3	0.105	20.95	17.95	17.45	Front Side 15mm	0.064	0.051	0.053	0.047	0.117	0.098	0.210	0.099	0.081	0.198	0.308	0.278
		0.194	22.25	19.25	18.25		0.082	20.95	17.95	17.45	Back Side 15mm	0.097	0.077	0.041	0.037	0.138	0.114	0.241	0.151	0.087	0.225	0.355	0.352
DC_2A+n7A	Ant.0	0.128	22.25	19.25	18.25	Ant.4	0.053	23.20	23.20	22.70	Front Side 15mm	0.064	0.051	0.053	0.047	0.117	0.098	0.210	0.099	0.081	0.198	0.308	0.278
		0.194	22.25	19.25	18.25		0.140	23.20	23.20	22.70	Back Side 15mm	0.097	0.077	0.140	0.125	0.237	0.202	0.241	0.151	0.087	0.324	0.443	0.440
DC_4A+n7A	Ant.0	0.149	21.25	18.25	17.75	Ant.3	0.105	20.95	17.95	17.45	Front Side 15mm	0.075	0.067	0.053	0.047	0.127	0.113	0.210	0.099	0.081	0.208	0.323	0.293
		0.176	21.25	18.25	17.75		0.082	20.95	17.95	17.45	Back Side 15mm	0.088	0.079	0.041	0.037	0.129	0.115	0.241	0.151	0.087	0.216	0.356	0.353
DC_4A+n7A	Ant.0	0.149	21.25	18.25	17.75	Ant.4	0.053	23.20	23.20	22.70	Front Side 15mm	0.075	0.067	0.053	0.047	0.128	0.114	0.210	0.099	0.081	0.209	0.324	0.294
		0.176	21.25	18.25	17.75		0.140	23.20	23.20	22.70	Back Side 15mm	0.088	0.079	0.140	0.125	0.228	0.203	0.241	0.151	0.087	0.315	0.444	0.441
DC_5A+n7A	Ant.1	0.301	24.50	24.50	21.50	Ant.0	0.054	22.95	19.95	19.45	Front Side 15mm	0.301	0.151	0.027	0.024	0.328	0.175	0.210	0.099	0.081	0.409	0.385	0.355
		0.439	24.50	24.50	21.50		0.074	22.95	19.95	19.45	Back Side 15mm	0.439	0.220	0.037	0.033	0.476	0.253	0.241	0.151	0.087	0.563	0.494	0.491
DC_5A+n7A	Ant.0	0.140	24.50	24.50	21.50	Ant.3	0.105	20.95	17.95	17.45	Front Side 15mm	0.140	0.070	0.053	0.047	0.193	0.117	0.210	0.099	0.081	0.274	0.327	0.297
		0.141	24.50	24.50	21.50		0.082	20.95	17.95	17.45	Back Side 15mm	0.141	0.071	0.041	0.037	0.182	0.107	0.241	0.151	0.087	0.269	0.348	0.345
DC_5A+n7A	Ant.1	0.301	24.50	24.50	21.50	Ant.3	0.105	20.95	17.95	17.45	Front Side 15mm	0.301	0.151	0.053	0.047	0.354	0.198	0.210	0.099	0.081	0.435	0.408	0.378
		0.439	24.50	24.50	21.50		0.082	20.95	17.95	17.45	Back Side 15mm	0.439	0.220	0.041	0.037	0.480	0.257	0.241	0.151	0.087	0.567	0.498	0.495
DC_5A+n7A	Ant.0	0.140	24.50	24.50	21.50	Ant.4	0.053	23.20	23.20	22.70	Front Side 15mm	0.140	0.070	0.053	0.047	0.193	0.117	0.210	0.099	0.081	0.274	0.327	0.297
		0.141	24.50	24.50	21.50		0.140	23.20	23.20	22.70	Back Side 15mm	0.141	0.071	0.140	0.125	0.281	0.195	0.241	0.151	0.087	0.368	0.436	0.433
DC_5A+n7A	Ant.1	0.301	24.50	24.50	21.50	Ant.4	0.053	23.20	23.20	22.70	Front Side 15mm	0.301	0.151	0.053	0.047	0.354	0.198	0.210	0.099	0.081	0.435	0.408	0.378
		0.439	24.50	24.50	21.50		0.140	23.20	23.20	22.70	Back Side 15mm	0.439	0.220	0.140	0.125	0.579	0.345	0.241	0.151	0.087	0.666	0.586	0.583
DC_66A+n7A	Ant.0	0.161	21.25	18.25	17.75	Ant.3	0.105	20.95	17.95	17.45	Front Side 15mm	0.081	0.072	0.053	0.047	0.133	0.119	0.210	0.099	0.081	0.214	0.329	0.299
		0.250	21.25	18.25	17.75		0.082	20.95	17.95	17.45	Back Side 15mm	0.125	0.112	0.041	0.037	0.166	0.148	0.241	0.151	0.087	0.253	0.389	0.386
DC_66A+n7A	Ant.0	0.161	21.25	18.25	17.75	Ant.4	0.053	23.20	23.20	22.70	Front Side 15mm	0.081	0.072	0.053	0.047	0.134	0.119	0.210	0.099	0.081	0.215	0.329	0.299
		0.250	21.25	18.25	17.75		0.140	23.20	23.20	22.70	Back Side 15mm	0.125	0.112	0.140	0.125	0.265	0.236	0.241	0.151	0.087	0.352	0.477	0.474

DC_2A+n66A	Ant.0	0.128	22.25	19.25	18.25	Ant.3	0.208	22.45	20.45	18.95	Front Side 15mm	0.064	0.051	0.131	0.093	0.195	0.144	0.210	0.099	0.081	0.276	0.354	0.324
		0.194	22.25	19.25	18.25		0.201	22.45	20.45	18.95	Back Side 15mm	0.097	0.077	0.127	0.090	0.224	0.167	0.241	0.151	0.087	0.311	0.408	0.405
DC_5A+n66A	Ant.1	0.301	24.50	24.50	21.50	Ant.0	0.080	21.45	18.45	17.95	Front Side 15mm	0.301	0.151	0.040	0.036	0.341	0.187	0.210	0.099	0.081	0.422	0.397	0.367
		0.439	24.50	24.50	21.50		0.103	21.45	18.45	17.95	Back Side 15mm	0.439	0.220	0.052	0.046	0.491	0.266	0.241	0.151	0.087	0.578	0.507	0.504
DC_5A+n66A	Ant.0	0.140	24.50	24.50	21.50	Ant.3	0.208	22.45	20.45	18.95	Front Side 15mm	0.140	0.070	0.131	0.093	0.271	0.163	0.210	0.099	0.081	0.352	0.373	0.343
		0.141	24.50	24.50	21.50		0.201	22.45	20.45	18.95	Back Side 15mm	0.141	0.071	0.127	0.090	0.268	0.160	0.241	0.151	0.087	0.355	0.401	0.398
DC_5A+n66A	Ant.1	0.301	24.50	24.50	21.50	Ant.3	0.208	22.45	20.45	18.95	Front Side 15mm	0.301	0.151	0.131	0.093	0.432	0.244	0.210	0.099	0.081	0.513	0.454	0.424
		0.439	24.50	24.50	21.50		0.201	22.45	20.45	18.95	Back Side 15mm	0.439	0.220	0.127	0.090	0.566	0.310	0.241	0.151	0.087	0.653	0.551	0.548
DC_7A+n66A	Ant.3	0.114	19.95	15.75	15.50	Ant.0	0.080	21.45	18.45	17.95	Front Side 15mm	0.043	0.041	0.040	0.036	0.083	0.077	0.210	0.099	0.081	0.164	0.287	0.257
		0.076	19.95	15.75	15.50		0.103	21.45	18.45	17.95	Back Side 15mm	0.029	0.027	0.052	0.046	0.081	0.073	0.241	0.151	0.087	0.168	0.314	0.311
DC_12A+n66A	Ant.1	0.156	24.50	24.50	24.00	Ant.0	0.080	21.45	18.45	17.95	Front Side 15mm	0.156	0.139	0.040	0.036	0.196	0.175	0.210	0.099	0.081	0.277	0.385	0.355
		0.185	24.50	24.50	24.00		0.103	21.45	18.45	17.95	Back Side 15mm	0.185	0.165	0.052	0.046	0.237	0.211	0.241	0.151	0.087	0.324	0.452	0.449
DC_12A+n66A	Ant.0	0.216	24.50	24.50	24.50	Ant.3	0.208	22.45	20.45	18.95	Front Side 15mm	0.216	0.216	0.131	0.093	0.347	0.309	0.210	0.099	0.081	0.428	0.519	0.489
		0.236	24.50	24.50	24.50		0.201	22.45	20.45	18.95	Back Side 15mm	0.236	0.236	0.127	0.090	0.363	0.326	0.241	0.151	0.087	0.450	0.567	0.564
DC_12A+n66A	Ant.1	0.156	24.50	24.50	24.00	Ant.3	0.208	22.45	20.45	18.95	Front Side 15mm	0.156	0.139	0.131	0.093	0.287	0.232	0.210	0.099	0.081	0.368	0.442	0.412
		0.185	24.50	24.50	24.00		0.201	22.45	20.45	18.95	Back Side 15mm	0.185	0.165	0.127	0.090	0.312	0.255	0.241	0.151	0.087	0.399	0.496	0.493
DC_4A+n38A	Ant.0	0.149	21.25	18.25	17.75	Ant.3	0.126	19.95	16.95	16.70	Front Side 15mm	0.075	0.067	0.063	0.060	0.138	0.126	0.210	0.099	0.081	0.219	0.336	0.306
		0.176	21.25	18.25	17.75		0.105	19.95	16.95	16.70	Back Side 15mm	0.088	0.079	0.053	0.050	0.141	0.128	0.241	0.151	0.087	0.228	0.369	0.366
DC_4A+n38A	Ant.0	0.149	21.25	18.25	17.75	Ant.4	0.011	18.95	15.95	15.45	Front Side 15mm	0.075	0.067	0.006	0.005	0.080	0.071	0.210	0.099	0.081	0.161	0.281	0.251
		0.176	21.25	18.25	17.75		0.063	18.95	15.95	15.45	Back Side 15mm	0.088	0.079	0.032	0.028	0.120	0.107	0.241	0.151	0.087	0.207	0.348	0.345
DC_5A+n38A	Ant.1	0.301	24.50	24.50	21.50	Ant.0	0.079	24.20	22.45	20.70	Front Side 15mm	0.301	0.151	0.053	0.035	0.354	0.186	0.210	0.099	0.081	0.435	0.396	0.366
		0.439	24.50	24.50	21.50		0.089	24.20	22.45	20.70	Back Side 15mm	0.439	0.220	0.059	0.040	0.498	0.260	0.241	0.151	0.087	0.585	0.501	0.498
DC_5A+n38A	Ant.0	0.140	24.50	24.50	21.50	Ant.3	0.126	19.95	16.95	16.70	Front Side 15mm	0.140	0.070	0.063	0.060	0.203	0.130	0.210	0.099	0.081	0.284	0.340	0.310
		0.141	24.50	24.50	21.50		0.105	19.95	16.95	16.70	Back Side 15mm	0.141	0.071	0.053	0.050	0.194	0.120	0.241	0.151	0.087	0.281	0.361	0.358
DC_5A+n38A	Ant.1	0.301	24.50	24.50	21.50	Ant.3	0.126	19.95	16.95	16.70	Front Side 15mm	0.301	0.151	0.063	0.060	0.364	0.210	0.210	0.099	0.081	0.445	0.420	0.390
		0.439	24.50	24.50	21.50		0.105	19.95	16.95	16.70	Back Side 15mm	0.439	0.220	0.053	0.050	0.492	0.270	0.241	0.151	0.087	0.579	0.511	0.508
DC_5A+n38A	Ant.0	0.140	24.50	24.50	21.50	Ant.4	0.011	18.95	15.95	15.45	Front Side 15mm	0.140	0.070	0.006	0.005	0.146	0.075	0.210	0.099	0.081	0.227	0.285	0.255
		0.141	24.50	24.50	21.50		0.063	18.95	15.95	15.45	Back Side 15mm	0.141	0.071	0.032	0.028	0.173	0.099	0.241	0.151	0.087	0.260	0.340	0.337
DC_5A+n38A	Ant.1	0.301	24.50	24.50	21.50	Ant.4	0.011	18.95	15.95	15.45	Front Side 15mm	0.301	0.151	0.006	0.005	0.307	0.156	0.210	0.099	0.081	0.388	0.366	0.336
		0.439	24.50	24.50	21.50		0.063	18.95	15.95	15.45	Back Side 15mm	0.439	0.220	0.032	0.028	0.471	0.248	0.241	0.151	0.087	0.558	0.489	0.486
DC_66A+n38A	Ant.0	0.161	21.25	18.25	17.75	Ant.3	0.126	19.95	16.95	16.70	Front Side 15mm	0.081	0.072	0.063	0.060	0.144	0.132	0.210	0.099	0.081	0.225	0.342	0.312
		0.250	21.25	18.25	17.75		0.105	19.95	16.95	16.70	Back Side 15mm	0.125	0.112	0.053	0.050	0.178	0.161	0.241	0.151	0.087	0.265	0.402	0.399
DC_66A+n38A	Ant.0	0.161	21.25	18.25	17.75	Ant.4	0.011	18.95	15.95	15.45	Front Side 15mm	0.081	0.072	0.006	0.005	0.086	0.077	0.210	0.099	0.081	0.167	0.287	0.257
		0.250	21.25	18.25	17.75		0.063	18.95	15.95	15.45	Back Side 15mm	0.125	0.112	0.032	0.028	0.157	0.140	0.241	0.151	0.087	0.244	0.381	0.378
DC_4A+n41A	Ant.0	0.149	21.25	18.25	17.75	Ant.3	0.041	16.45	14.95	13.20	Front Side 15mm	0.075	0.067	0.029	0.019	0.104	0.086	0.210	0.099	0.081	0.185	0.296	0.266
		0.176	21.25	18.25	17.75		0.036	16.45	14.95	13.20	Back Side 15mm	0.088	0.079	0.025	0.017	0.114	0.096	0.241	0.151	0.087	0.201	0.337	0.334
DC_4A+n41A	Ant.0	0.149	21.25	18.25	17.75	Ant.4	0.010	19.20	17.70	15.95	Front Side 15mm	0.075	0.067	0.007	0.005	0.082	0.071	0.210	0.099	0.081	0.163	0.281	0.251
		0.176	21.25	18.25	17.75		0.080	19.20	17.70	15.95	Back Side 15mm	0.088	0.079	0.057	0.038	0.145	0.116	0.241	0.151	0.087	0.232	0.357	0.354
DC_26A+n41A	Ant.1	0.288	24.00	23.75	22.50	Ant.0	0.041	21.20	19.70	17.95	Front Side 15mm	0.272	0.204	0.029	0.019	0.301	0.223	0.210	0.099	0.081	0.382	0.433	0.403
		0.360	24.00	23.75	22.50		0.051	21.20	19.70	17.95	Back Side 15mm	0.340	0.255	0.036	0.024	0.376	0.279	0.241	0.151	0.087	0.463	0.520	0.517
DC_26A+n41A	Ant.0	0.138	24.00	24.00	23.75	Ant.3	0.041	16.45	14.95	13.20	Front Side 15mm	0.138	0.130	0.029	0.019	0.167	0.150	0.210	0.099	0.081	0.248	0.360	0.330
		0.140	24.00	24.00	23.75		0.036	16.45	14.95	13.20	Back Side 15mm	0.140	0.132	0.025	0.017	0.165	0.149	0.241	0.151	0.087	0.252	0.390	0.387
DC_26A+n41A	Ant.1	0.288	24.00	23.75	22.50	Ant.3	0.041	16.45	14.95	13.20	Front Side 15mm	0.272	0.204	0.029	0.019	0.301	0.223	0.210	0.099	0.081	0.382	0.433	0.403

		0.360	24.00	23.75	22.50		0.036	16.45	14.95	13.20	Back Side 15mm	0.340	0.255	0.025	0.017	0.365	0.272	0.241	0.151	0.087	0.452	0.513	0.510
DC_26A+n41A	Ant.0	0.138	24.00	24.00	23.75	Ant.4	0.010	19.20	17.70	15.95	Front Side 15mm	0.138	0.130	0.007	0.005	0.145	0.135	0.210	0.099	0.081	0.226	0.345	0.315
		0.140	24.00	24.00	23.75		0.080	19.20	17.70	15.95	Back Side 15mm	0.140	0.132	0.057	0.038	0.197	0.170	0.241	0.151	0.087	0.284	0.411	0.408
DC_26A+n41A	Ant.1	0.288	24.00	23.75	22.50	Ant.4	0.010	19.20	17.70	15.95	Front Side 15mm	0.272	0.204	0.007	0.005	0.279	0.209	0.210	0.099	0.081	0.360	0.419	0.389
		0.360	24.00	23.75	22.50		0.080	19.20	17.70	15.95	Back Side 15mm	0.340	0.255	0.057	0.038	0.396	0.293	0.241	0.151	0.087	0.483	0.534	0.531
DC_66A+n41A	Ant.0	0.161	21.25	18.25	17.75	Ant.3	0.041	16.45	14.95	13.20	Front Side 15mm	0.081	0.072	0.029	0.019	0.110	0.091	0.210	0.099	0.081	0.191	0.301	0.271
		0.250	21.25	18.25	17.75		0.036	16.45	14.95	13.20	Back Side 15mm	0.125	0.112	0.025	0.017	0.151	0.129	0.241	0.151	0.087	0.238	0.370	0.367
DC_66A+n41A	Ant.0	0.161	21.25	18.25	17.75	Ant.4	0.010	19.20	17.70	15.95	Front Side 15mm	0.081	0.072	0.007	0.005	0.088	0.077	0.210	0.099	0.081	0.169	0.287	0.257
		0.250	21.25	18.25	17.75		0.080	19.20	17.70	15.95	Back Side 15mm	0.125	0.112	0.057	0.038	0.182	0.150	0.241	0.151	0.087	0.269	0.391	0.388

Note:

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

2: The highest Summed 1g SAR is 0.666 W/Kg < 1.6 W/kg, so Simultaneous Transmission SAR test is not required.

13.2.14 Hotspot Simultaneous Transmission SAR Evaluation for ENDC and WLAN and BTn

Band	LTE Antenna	4G		ENDC		NR Antenna	NSA		ENDC		Position	Stand alone SAR									SUM SAR		
		LTE SAR	LTE Max Power	LTE Max Power	LTE Max Power		NR SAR	NR Max Power	NR Max Power	NR Max Power		LTE SAR	LTE SAR	NR SAR	NR SAR	1 ENDC (LTE+ NR)	2 ENDC (LTE+ NR)	3 2.4GWIFI	4 5GWIFI Max.	5 Bluetooth	1+5	2+3	2+4+5
		State3	State3	State3	State8		State3	State3	State3	State8		State3	State8	State3	State8	State3	State8	Level7	Level7/8				
DC_7A+n5A	Ant.3	0.190	19.95	16.95	16.70	Ant.0	0.153	23.95	20.95	22.70	Front Side 10mm	0.095	0.090	0.077	0.115	0.172	0.205	0.562	0.112	0.199	0.371	0.767	0.516
		0.146	19.95	16.95	16.70		0.142	23.95	20.95	22.70	Back Side 10mm	0.073	0.069	0.071	0.106	0.144	0.176	0.571	0.152	0.217	0.361	0.747	0.545
		0.000	19.95	16.95	16.70		0.000	23.95	20.95	22.70	Left Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000	0.539	0.054	0.193	0.193	0.539	0.247
		0.094	19.95	16.95	16.70		0.109	23.95	20.95	22.70	Right Edge 10mm	0.047	0.044	0.055	0.082	0.102	0.126	0.000	0.000	0.000	0.102	0.126	0.126
		0.293	19.95	16.95	16.70		0.000	23.95	20.95	22.70	Top Edge 10mm	0.147	0.139	0.000	0.000	0.147	0.139	0.309	0.485	0.130	0.277	0.448	0.754
		0.000	19.95	16.95	16.70		0.213	23.95	20.95	22.70	Bottom Edge 10mm	0.000	0.000	0.107	0.160	0.107	0.160	0.000	0.000	0.000	0.107	0.160	0.160
DC_7A+n5A	Ant.0	0.135	21.95	18.95	18.70	Ant.1	0.321	24.20	24.20	23.45	Front Side 10mm	0.068	0.064	0.321	0.270	0.389	0.334	0.562	0.112	0.199	0.588	0.896	0.645
		0.172	21.95	18.95	18.70		0.386	24.20	24.20	23.45	Back Side 10mm	0.086	0.081	0.386	0.325	0.472	0.406	0.571	0.152	0.217	0.689	0.977	0.775
		0.096	21.95	18.95	18.70		0.000	24.20	24.20	23.45	Left Edge 10mm	0.048	0.045	0.000	0.000	0.048	0.045	0.539	0.054	0.193	0.241	0.584	0.292
		0.029	21.95	18.95	18.70		0.693	24.20	24.20	23.45	Right Edge 10mm	0.015	0.014	0.693	0.583	0.708	0.597	0.000	0.000	0.000	0.708	0.597	0.597
		0.000	21.95	18.95	18.70		0.000	24.20	24.20	23.45	Top Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000	0.309	0.485	0.130	0.130	0.309	0.615
		0.203	21.95	18.95	18.70		0.000	24.20	24.20	23.45	Bottom Edge 10mm	0.102	0.096	0.000	0.000	0.102	0.096	0.000	0.000	0.000	0.102	0.096	0.096
DC_7A+n5A	Ant.3	0.190	19.95	16.95	16.70	Ant.1	0.321	24.20	24.20	23.45	Front Side 10mm	0.095	0.090	0.321	0.270	0.416	0.360	0.562	0.112	0.199	0.615	0.922	0.671
		0.146	19.95	16.95	16.70		0.386	24.20	24.20	23.45	Back Side 10mm	0.073	0.069	0.386	0.325	0.459	0.394	0.571	0.152	0.217	0.676	0.965	0.763
		0.000	19.95	16.95	16.70		0.000	24.20	24.20	23.45	Left Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000	0.539	0.054	0.193	0.193	0.539	0.247
		0.094	19.95	16.95	16.70		0.693	24.20	24.20	23.45	Right Edge 10mm	0.047	0.044	0.693	0.583	0.740	0.628	0.000	0.000	0.000	0.740	0.628	0.628
		0.293	19.95	16.95	16.70		0.000	24.20	24.20	23.45	Top Edge 10mm	0.147	0.139	0.000	0.000	0.147	0.139	0.309	0.485	0.130	0.277	0.448	0.754
		0.000	19.95	16.95	16.70		0.000	24.20	24.20	23.45	Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
DC_66A+n5A	Ant.3	0.355	22.00	19.00	18.75	Ant.0	0.153	23.95	20.95	22.70	Front Side 10mm	0.178	0.168	0.077	0.115	0.255	0.283	0.562	0.112	0.199	0.454	0.845	0.594
		0.331	22.00	19.00	18.75		0.142	23.95	20.95	22.70	Back Side 10mm	0.166	0.157	0.071	0.106	0.237	0.263	0.571	0.152	0.217	0.454	0.834	0.632
		0.000	22.00	19.00	18.75		0.000	23.95	20.95	22.70	Left Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000	0.539	0.054	0.193	0.193	0.539	0.247
		0.126	22.00	19.00	18.75		0.109	23.95	20.95	22.70	Right Edge 10mm	0.063	0.060	0.055	0.082	0.118	0.141	0.000	0.000	0.000	0.118	0.141	0.141
		0.445	22.00	19.00	18.75		0.000	23.95	20.95	22.70	Top Edge 10mm	0.223	0.211	0.000	0.000	0.223	0.211	0.309	0.485	0.130	0.353	0.520	0.826
		0.000	22.00	19.00	18.75		0.213	23.95	20.95	22.70	Bottom Edge 10mm	0.000	0.000	0.107	0.160	0.107	0.160	0.000	0.000	0.000	0.107	0.160	0.160
DC_66A+n5A	Ant.0	0.286	21.25	18.25	17.75	Ant.1	0.321	24.20	24.20	23.45	Front Side 10mm	0.143	0.128	0.321	0.270	0.464	0.398	0.562	0.112	0.199	0.663	0.960	0.709
		0.379	21.25	18.25	17.75		0.386	24.20	24.20	23.45	Back Side 10mm	0.190	0.169	0.386	0.325	0.576	0.494	0.571	0.152	0.217	0.793	1.065	0.863
		0.108	21.25	18.25	17.75		0.000	24.20	24.20	23.45	Left Edge 10mm	0.054	0.048	0.000	0.000	0.054	0.048	0.539	0.054	0.193	0.247	0.587	0.295
		0.053	21.25	18.25	17.75		0.693	24.20	24.20	23.45	Right Edge 10mm	0.027	0.024	0.693	0.583	0.720	0.607	0.000	0.000	0.000	0.720	0.607	0.607
		0.000	21.25	18.25	17.75		0.000	24.20	24.20	23.45	Top Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000	0.309	0.485	0.130	0.130	0.309	0.615
		0.683	21.25	18.25	17.75		0.000	24.20	24.20	23.45	Bottom Edge 10mm	0.342	0.305	0.000	0.000	0.342	0.305	0.000	0.000	0.000	0.342	0.305	0.305
DC_66A+n5A	Ant.3	0.355	22.00	19.00	18.75	Ant.1	0.321	24.20	24.20	23.45	Front Side 10mm	0.178	0.168	0.321	0.270	0.499	0.438	0.562	0.112	0.199	0.698	1.000	0.749
		0.331	22.00	19.00	18.75		0.386	24.20	24.20	23.45	Back Side 10mm	0.166	0.157	0.386	0.325	0.552	0.481	0.571	0.152	0.217	0.769	1.052	0.850
		0.000	22.00	19.00	18.75		0.000	24.20	24.20	23.45	Left Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000	0.539	0.054	0.193	0.193	0.539	0.247
		0.126	22.00	19.00	18.75		0.693	24.20	24.20	23.45	Right Edge 10mm	0.063	0.060	0.693	0.583	0.756	0.643	0.000	0.000	0.000	0.756	0.643	0.643
		0.445	22.00	19.00	18.75		0.000	24.20	24.20	23.45	Top Edge 10mm	0.223	0.211	0.000	0.000	0.223	0.211	0.309	0.485	0.130	0.353	0.520	0.826

		0.000	22.00	19.00	18.75		0.000	24.20	24.20	23.45	Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
DC_2A+n7A	Ant.0	0.250	22.25	19.25	18.25	Ant.3	0.254	20.95	17.95	17.45	Front Side 10mm	0.125	0.100	0.127	0.113	0.253	0.213	0.562	0.112	0.199	0.452	0.775	0.524
		0.342	22.25	19.25	18.25		0.182	20.95	17.95	17.45	Back Side 10mm	0.171	0.136	0.091	0.081	0.263	0.217	0.571	0.152	0.217	0.480	0.788	0.586
		0.126	22.25	19.25	18.25		0.000	20.95	17.95	17.45	Left Edge 10mm	0.063	0.050	0.000	0.000	0.063	0.050	0.539	0.054	0.193	0.256	0.589	0.297
		0.050	22.25	19.25	18.25		0.112	20.95	17.95	17.45	Right Edge 10mm	0.025	0.020	0.056	0.050	0.081	0.070	0.000	0.000	0.000	0.081	0.070	0.070
		0.000	22.25	19.25	18.25		0.360	20.95	17.95	17.45	Top Edge 10mm	0.000	0.000	0.180	0.161	0.180	0.161	0.309	0.485	0.130	0.310	0.470	0.776
		0.597	22.25	19.25	18.25		0.000	20.95	17.95	17.45	Bottom Edge 10mm	0.299	0.238	0.000	0.000	0.299	0.238	0.000	0.000	0.000	0.299	0.238	0.238
DC_2A+n7A	Ant.0	0.250	22.25	19.25	18.25	Ant.4	0.093	23.20	23.20	22.70	Front Side 10mm	0.125	0.100	0.093	0.083	0.218	0.182	0.562	0.112	0.199	0.417	0.744	0.493
		0.342	22.25	19.25	18.25		0.330	23.20	23.20	22.70	Back Side 10mm	0.171	0.136	0.330	0.294	0.501	0.430	0.571	0.152	0.217	0.718	1.001	0.799
		0.126	22.25	19.25	18.25		0.000	23.20	23.20	22.70	Left Edge 10mm	0.063	0.050	0.000	0.000	0.063	0.050	0.539	0.054	0.193	0.256	0.589	0.297
		0.050	22.25	19.25	18.25		0.208	23.20	23.20	22.70	Right Edge 10mm	0.025	0.020	0.208	0.185	0.233	0.205	0.000	0.000	0.000	0.233	0.205	0.205
		0.000	22.25	19.25	18.25		0.000	23.20	23.20	22.70	Top Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000	0.309	0.485	0.130	0.130	0.309	0.615
		0.597	22.25	19.25	18.25		0.000	23.20	23.20	22.70	Bottom Edge 10mm	0.299	0.238	0.000	0.000	0.299	0.238	0.000	0.000	0.000	0.299	0.238	0.238
DC_4A+n7A	Ant.0	0.311	21.25	18.25	17.75	Ant.3	0.254	20.95	17.95	17.45	Front Side 10mm	0.156	0.139	0.127	0.113	0.283	0.252	0.562	0.112	0.199	0.482	0.814	0.563
		0.420	21.25	18.25	17.75		0.182	20.95	17.95	17.45	Back Side 10mm	0.210	0.188	0.091	0.081	0.302	0.269	0.571	0.152	0.217	0.519	0.840	0.638
		0.118	21.25	18.25	17.75		0.000	20.95	17.95	17.45	Left Edge 10mm	0.059	0.053	0.000	0.000	0.059	0.053	0.539	0.054	0.193	0.252	0.592	0.300
		0.058	21.25	18.25	17.75		0.112	20.95	17.95	17.45	Right Edge 10mm	0.029	0.026	0.056	0.050	0.085	0.076	0.000	0.000	0.000	0.085	0.076	0.076
		0.000	21.25	18.25	17.75		0.360	20.95	17.95	17.45	Top Edge 10mm	0.000	0.000	0.180	0.161	0.180	0.161	0.309	0.485	0.130	0.310	0.470	0.776
		0.674	21.25	18.25	17.75		0.000	20.95	17.95	17.45	Bottom Edge 10mm	0.338	0.301	0.000	0.000	0.338	0.301	0.000	0.000	0.000	0.338	0.301	0.301
DC_4A+n7A	Ant.0	0.311	21.25	18.25	17.75	Ant.4	0.093	23.20	23.20	22.70	Front Side 10mm	0.156	0.139	0.093	0.083	0.249	0.222	0.562	0.112	0.199	0.448	0.784	0.533
		0.420	21.25	18.25	17.75		0.330	23.20	23.20	22.70	Back Side 10mm	0.210	0.188	0.330	0.294	0.540	0.482	0.571	0.152	0.217	0.757	1.053	0.851
		0.118	21.25	18.25	17.75		0.000	23.20	23.20	22.70	Left Edge 10mm	0.059	0.053	0.000	0.000	0.059	0.053	0.539	0.054	0.193	0.252	0.592	0.300
		0.058	21.25	18.25	17.75		0.208	23.20	23.20	22.70	Right Edge 10mm	0.029	0.026	0.208	0.185	0.237	0.211	0.000	0.000	0.000	0.237	0.211	0.211
		0.000	21.25	18.25	17.75		0.000	23.20	23.20	22.70	Top Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000	0.309	0.485	0.130	0.130	0.309	0.615
		0.674	21.25	18.25	17.75		0.000	23.20	23.20	22.70	Bottom Edge 10mm	0.338	0.301	0.000	0.000	0.338	0.301	0.000	0.000	0.000	0.338	0.301	0.301
DC_5A+n7A	Ant.1	0.560	24.50	24.50	21.50	Ant.0	0.109	22.95	19.95	19.45	Front Side 10mm	0.560	0.281	0.055	0.049	0.615	0.329	0.562	0.112	0.199	0.814	0.891	0.640
		0.653	24.50	24.50	21.50		0.145	22.95	19.95	19.45	Back Side 10mm	0.653	0.327	0.073	0.065	0.726	0.392	0.571	0.152	0.217	0.943	0.963	0.761
		0.000	24.50	24.50	21.50		0.084	22.95	19.95	19.45	Left Edge 10mm	0.000	0.000	0.042	0.038	0.042	0.038	0.539	0.054	0.193	0.235	0.577	0.285
		0.957	24.50	24.50	21.50		0.000	22.95	19.95	19.45	Right Edge 10mm	0.957	0.480	0.000	0.000	0.957	0.480	0.000	0.000	0.000	0.957	0.480	0.480
		0.000	24.50	24.50	21.50		0.000	22.95	19.95	19.45	Top Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000	0.309	0.485	0.130	0.130	0.309	0.615
		0.000	24.50	24.50	21.50		0.238	22.95	19.95	19.45	Bottom Edge 10mm	0.000	0.000	0.119	0.106	0.119	0.106	0.000	0.000	0.000	0.119	0.106	0.106
DC_5A+n7A	Ant.0	0.175	24.50	24.50	21.50	Ant.3	0.254	20.95	17.95	17.45	Front Side 10mm	0.175	0.088	0.127	0.113	0.302	0.201	0.562	0.112	0.199	0.501	0.763	0.512
		0.186	24.50	24.50	21.50		0.182	20.95	17.95	17.45	Back Side 10mm	0.186	0.093	0.091	0.081	0.277	0.175	0.571	0.152	0.217	0.494	0.746	0.544
		0.094	24.50	24.50	21.50		0.000	20.95	17.95	17.45	Left Edge 10mm	0.094	0.047	0.000	0.000	0.094	0.047	0.539	0.054	0.193	0.287	0.586	0.294
		0.114	24.50	24.50	21.50		0.112	20.95	17.95	17.45	Right Edge 10mm	0.114	0.057	0.056	0.050	0.170	0.107	0.000	0.000	0.000	0.170	0.107	0.107
		0.000	24.50	24.50	21.50		0.360	20.95	17.95	17.45	Top Edge 10mm	0.000	0.000	0.180	0.161	0.180	0.161	0.309	0.485	0.130	0.310	0.470	0.776
		0.237	24.50	24.50	21.50		0.000	20.95	17.95	17.45	Bottom Edge 10mm	0.237	0.119	0.000	0.000	0.237	0.119	0.000	0.000	0.000	0.237	0.119	0.119
DC_5A+n7A	Ant.1	0.560	24.50	24.50	21.50	Ant.3	0.254	20.95	17.95	17.45	Front Side 10mm	0.560	0.281	0.127	0.113	0.687	0.394	0.562	0.112	0.199	0.886	0.956	0.705
		0.653	24.50	24.50	21.50		0.182	20.95	17.95	17.45	Back Side 10mm	0.653	0.327	0.091	0.081	0.744	0.409	0.571	0.152	0.217	0.961	0.980	0.778
		0.000	24.50	24.50	21.50		0.000	20.95	17.95	17.45	Left Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000	0.539	0.054	0.193	0.193	0.539	0.247
		0.957	24.50	24.50	21.50		0.112	20.95	17.95	17.45	Right Edge 10mm	0.957	0.480	0.056	0.050	1.013	0.530	0.000	0.000	0.000	1.013	0.530	0.530
		0.000	24.50	24.50	21.50		0.360	20.95	17.95	17.45	Top Edge 10mm	0.000	0.000	0.180	0.161	0.180	0.161	0.309	0.485	0.130	0.310	0.470	0.776
		0.000	24.50	24.50	21.50		0.000	20.95	17.95	17.45	Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

DC_5A+n7A	Ant.0	0.175	24.50	24.50	21.50	Ant.4	0.093	23.20	23.20	22.70	Front Side 10mm	0.175	0.088	0.093	0.083	0.268	0.171	0.562	0.112	0.199	0.467	0.733	0.482
		0.186	24.50	24.50	21.50		0.330	23.20	23.20	22.70	Back Side 10mm	0.186	0.093	0.330	0.294	0.516	0.387	0.571	0.152	0.217	0.733	0.958	0.756
		0.094	24.50	24.50	21.50		0.000	23.20	23.20	22.70	Left Edge 10mm	0.094	0.047	0.000	0.000	0.094	0.047	0.539	0.054	0.193	0.287	0.586	0.294
		0.114	24.50	24.50	21.50		0.208	23.20	23.20	22.70	Right Edge 10mm	0.114	0.057	0.208	0.185	0.322	0.243	0.000	0.000	0.000	0.322	0.243	0.243
		0.000	24.50	24.50	21.50		0.000	23.20	23.20	22.70	Top Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000	0.309	0.485	0.130	0.130	0.309	0.615
		0.237	24.50	24.50	21.50		0.000	23.20	23.20	22.70	Bottom Edge 10mm	0.237	0.119	0.000	0.000	0.237	0.119	0.000	0.000	0.000	0.237	0.119	0.119
DC_5A+n7A	Ant.1	0.560	24.50	24.50	21.50	Ant.4	0.093	23.20	23.20	22.70	Front Side 10mm	0.560	0.281	0.093	0.083	0.653	0.364	0.562	0.112	0.199	0.852	0.926	0.675
		0.653	24.50	24.50	21.50		0.330	23.20	23.20	22.70	Back Side 10mm	0.653	0.327	0.330	0.294	0.983	0.621	0.571	0.152	0.217	**1.200**	1.192	0.990
		0.000	24.50	24.50	21.50		0.000	23.20	23.20	22.70	Left Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000	0.539	0.054	0.193	0.193	0.539	0.247
		0.957	24.50	24.50	21.50		0.208	23.20	23.20	22.70	Right Edge 10mm	0.957	0.480	0.208	0.185	1.165	0.665	0.000	0.000	0.000	1.165	0.665	0.665
		0.000	24.50	24.50	21.50		0.000	23.20	23.20	22.70	Top Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000	0.309	0.485	0.130	0.130	0.309	0.615
		0.000	24.50	24.50	21.50		0.000	23.20	23.20	22.70	Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
DC_66A+n7A	Ant.0	0.286	21.25	18.25	17.75	Ant.3	0.254	20.95	17.95	17.45	Front Side 10mm	0.143	0.128	0.127	0.113	0.271	0.241	0.562	0.112	0.199	0.470	0.803	0.552
		0.379	21.25	18.25	17.75		0.182	20.95	17.95	17.45	Back Side 10mm	0.190	0.169	0.091	0.081	0.281	0.251	0.571	0.152	0.217	0.498	0.822	0.620
		0.108	21.25	18.25	17.75		0.000	20.95	17.95	17.45	Left Edge 10mm	0.054	0.048	0.000	0.000	0.054	0.048	0.539	0.054	0.193	0.247	0.587	0.295
		0.053	21.25	18.25	17.75		0.112	20.95	17.95	17.45	Right Edge 10mm	0.027	0.024	0.056	0.050	0.083	0.074	0.000	0.000	0.000	0.083	0.074	0.074
		0.000	21.25	18.25	17.75		0.360	20.95	17.95	17.45	Top Edge 10mm	0.000	0.000	0.180	0.161	0.180	0.161	0.309	0.485	0.130	0.310	0.470	0.776
		0.683	21.25	18.25	17.75		0.000	20.95	17.95	17.45	Bottom Edge 10mm	0.342	0.305	0.000	0.000	0.342	0.305	0.000	0.000	0.000	0.342	0.305	0.305
DC_66A+n7A	Ant.0	0.286	21.25	18.25	17.75	Ant.4	0.093	23.20	23.20	22.70	Front Side 10mm	0.143	0.128	0.093	0.083	0.236	0.211	0.562	0.112	0.199	0.435	0.773	0.522
		0.379	21.25	18.25	17.75		0.330	23.20	23.20	22.70	Back Side 10mm	0.190	0.169	0.330	0.294	0.520	0.463	0.571	0.152	0.217	0.737	1.034	0.832
		0.108	21.25	18.25	17.75		0.000	23.20	23.20	22.70	Left Edge 10mm	0.054	0.048	0.000	0.000	0.054	0.048	0.539	0.054	0.193	0.247	0.587	0.295
		0.053	21.25	18.25	17.75		0.208	23.20	23.20	22.70	Right Edge 10mm	0.027	0.024	0.208	0.185	0.235	0.209	0.000	0.000	0.000	0.235	0.209	0.209
		0.000	21.25	18.25	17.75		0.000	23.20	23.20	22.70	Top Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000	0.309	0.485	0.130	0.130	0.309	0.615
		0.683	21.25	18.25	17.75		0.000	23.20	23.20	22.70	Bottom Edge 10mm	0.342	0.305	0.000	0.000	0.342	0.305	0.000	0.000	0.000	0.342	0.305	0.305
DC_2A+n66A	Ant.0	0.250	22.25	19.25	18.25	Ant.3	0.375	22.45	20.45	18.95	Front Side 10mm	0.125	0.100	0.237	0.168	0.362	0.267	0.562	0.112	0.199	0.561	0.829	0.578
		0.342	22.25	19.25	18.25		0.378	22.45	20.45	18.95	Back Side 10mm	0.171	0.136	0.239	0.169	0.410	0.305	0.571	0.152	0.217	0.627	0.876	0.674
		0.126	22.25	19.25	18.25		0.000	22.45	20.45	18.95	Left Edge 10mm	0.063	0.050	0.000	0.000	0.063	0.050	0.539	0.054	0.193	0.256	0.589	0.297
		0.050	22.25	19.25	18.25		0.157	22.45	20.45	18.95	Right Edge 10mm	0.025	0.020	0.099	0.070	0.124	0.090	0.000	0.000	0.000	0.124	0.090	0.090
		0.000	22.25	19.25	18.25		0.493	22.45	20.45	18.95	Top Edge 10mm	0.000	0.000	0.311	0.220	0.311	0.220	0.309	0.485	0.130	0.441	0.529	0.835
		0.597	22.25	19.25	18.25		0.000	22.45	20.45	18.95	Bottom Edge 10mm	0.299	0.238	0.000	0.000	0.299	0.238	0.000	0.000	0.000	0.299	0.238	0.238
DC_5A+n66A	Ant.1	0.560	24.50	24.50	21.50	Ant.0	0.296	21.45	18.45	17.95	Front Side 10mm	0.560	0.281	0.148	0.132	0.708	0.413	0.562	0.112	0.199	0.907	0.975	0.724
		0.653	24.50	24.50	21.50		0.395	21.45	18.45	17.95	Back Side 10mm	0.653	0.327	0.198	0.176	0.851	0.504	0.571	0.152	0.217	1.068	1.075	0.873
		0.000	24.50	24.50	21.50		0.117	21.45	18.45	17.95	Left Edge 10mm	0.000	0.000	0.059	0.052	0.059	0.052	0.539	0.054	0.193	0.252	0.591	0.299
		0.957	24.50	24.50	21.50		0.059	21.45	18.45	17.95	Right Edge 10mm	0.957	0.480	0.030	0.026	0.987	0.506	0.000	0.000	0.000	0.987	0.506	0.506
		0.000	24.50	24.50	21.50		0.000	21.45	18.45	17.95	Top Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000	0.309	0.485	0.130	0.130	0.309	0.615
		0.000	24.50	24.50	21.50		0.693	21.45	18.45	17.95	Bottom Edge 10mm	0.000	0.000	0.347	0.310	0.347	0.310	0.000	0.000	0.000	0.347	0.310	0.310
DC_5A+n66A	Ant.0	0.175	24.50	24.50	21.50	Ant.3	0.375	22.45	20.45	18.95	Front Side 10mm	0.175	0.088	0.237	0.168	0.412	0.255	0.562	0.112	0.199	0.611	0.817	0.566
		0.186	24.50	24.50	21.50		0.378	22.45	20.45	18.95	Back Side 10mm	0.186	0.093	0.239	0.169	0.425	0.262	0.571	0.152	0.217	0.642	0.833	0.631
		0.094	24.50	24.50	21.50		0.000	22.45	20.45	18.95	Left Edge 10mm	0.094	0.047	0.000	0.000	0.094	0.047	0.539	0.054	0.193	0.287	0.586	0.294
		0.114	24.50	24.50	21.50		0.157	22.45	20.45	18.95	Right Edge 10mm	0.114	0.057	0.099	0.070	0.213	0.127	0.000	0.000	0.000	0.213	0.127	0.127
		0.000	24.50	24.50	21.50		0.493	22.45	20.45	18.95	Top Edge 10mm	0.000	0.000	0.311	0.220	0.311	0.220	0.309	0.485	0.130	0.441	0.529	0.835
		0.237	24.50	24.50	21.50		0.000	22.45	20.45	18.95	Bottom Edge 10mm	0.237	0.119	0.000	0.000	0.237	0.119	0.000	0.000	0.000	0.237	0.119	0.119
DC_5A+n66A	Ant.1	0.560	24.50	24.50	21.50	Ant.3	0.375	22.45	20.45	18.95	Front Side 10mm	0.560	0.281	0.237	0.168	0.797	0.448	0.562	0.112	0.199	0.996	1.010	0.759

		0.653	24.50	24.50	21.50		0.378	22.45	20.45	18.95	Back Side 10mm	0.653	0.327	0.239	0.169	0.892	0.496	0.571	0.152	0.217	1.109	1.067	0.865
		0.000	24.50	24.50	21.50		0.000	22.45	20.45	18.95	Left Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000	0.539	0.054	0.193	0.193	0.539	0.247
		0.957	24.50	24.50	21.50		0.157	22.45	20.45	18.95	Right Edge 10mm	0.957	0.480	0.099	0.070	1.056	0.550	0.000	0.000	0.000	1.056	0.550	0.550
		0.000	24.50	24.50	21.50		0.493	22.45	20.45	18.95	Top Edge 10mm	0.000	0.000	0.311	0.220	0.311	0.220	0.309	0.485	0.130	0.441	0.529	0.835
		0.000	24.50	24.50	21.50		0.000	22.45	20.45	18.95	Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
DC_7A+n66A	Ant.3	0.190	19.95	15.75	15.50	Ant.0	0.296	21.45	18.45	17.95	Front Side 10mm	0.072	0.068	0.148	0.132	0.221	0.200	0.562	0.112	0.199	0.420	0.762	0.511
		0.146	19.95	15.75	15.50		0.395	21.45	18.45	17.95	Back Side 10mm	0.056	0.052	0.198	0.176	0.253	0.229	0.571	0.152	0.217	0.470	0.800	0.598
		0.000	19.95	15.75	15.50		0.117	21.45	18.45	17.95	Left Edge 10mm	0.000	0.000	0.059	0.052	0.059	0.052	0.539	0.054	0.193	0.252	0.591	0.299
		0.094	19.95	15.75	15.50		0.059	21.45	18.45	17.95	Right Edge 10mm	0.036	0.034	0.030	0.026	0.065	0.060	0.000	0.000	0.000	0.065	0.060	0.060
		0.293	19.95	15.75	15.50		0.000	21.45	18.45	17.95	Top Edge 10mm	0.111	0.105	0.000	0.000	0.111	0.105	0.309	0.485	0.130	0.241	0.414	0.720
		0.000	19.95	15.75	15.50		0.693	21.45	18.45	17.95	Bottom Edge 10mm	0.000	0.000	0.347	0.310	0.347	0.310	0.000	0.000	0.000	0.347	0.310	0.310
DC_12A+n66A	Ant.1	0.290	24.50	24.50	24.00	Ant.0	0.296	21.45	18.45	17.95	Front Side 10mm	0.290	0.258	0.148	0.132	0.438	0.391	0.562	0.112	0.199	0.637	0.953	0.702
		0.341	24.50	24.50	24.00		0.395	21.45	18.45	17.95	Back Side 10mm	0.341	0.304	0.198	0.176	0.539	0.480	0.571	0.152	0.217	0.756	1.051	0.849
		0.000	24.50	24.50	24.00		0.117	21.45	18.45	17.95	Left Edge 10mm	0.000	0.000	0.059	0.052	0.059	0.052	0.539	0.054	0.193	0.252	0.591	0.299
		0.634	24.50	24.50	24.00		0.059	21.45	18.45	17.95	Right Edge 10mm	0.634	0.565	0.030	0.026	0.664	0.591	0.000	0.000	0.000	0.664	0.591	0.591
		0.000	24.50	24.50	24.00		0.000	21.45	18.45	17.95	Top Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000	0.309	0.485	0.130	0.130	0.309	0.615
		0.000	24.50	24.50	24.00		0.693	21.45	18.45	17.95	Bottom Edge 10mm	0.000	0.000	0.347	0.310	0.347	0.310	0.000	0.000	0.000	0.347	0.310	0.310
DC_12A+n66A	Ant.0	0.192	24.50	24.50	24.50	Ant.3	0.375	22.45	20.45	18.95	Front Side 10mm	0.192	0.192	0.237	0.168	0.429	0.360	0.562	0.112	0.199	0.628	0.922	0.671
		0.253	24.50	24.50	24.50		0.378	22.45	20.45	18.95	Back Side 10mm	0.253	0.253	0.239	0.169	0.492	0.422	0.571	0.152	0.217	0.709	0.993	0.791
		0.187	24.50	24.50	24.50		0.000	22.45	20.45	18.95	Left Edge 10mm	0.187	0.187	0.000	0.000	0.187	0.187	0.539	0.054	0.193	0.380	0.726	0.434
		0.267	24.50	24.50	24.50		0.157	22.45	20.45	18.95	Right Edge 10mm	0.267	0.267	0.099	0.070	0.366	0.337	0.000	0.000	0.000	0.366	0.337	0.337
		0.000	24.50	24.50	24.50		0.493	22.45	20.45	18.95	Top Edge 10mm	0.000	0.000	0.311	0.220	0.311	0.220	0.309	0.485	0.130	0.441	0.529	0.835
		0.191	24.50	24.50	24.50		0.000	22.45	20.45	18.95	Bottom Edge 10mm	0.191	0.191	0.000	0.000	0.191	0.191	0.000	0.000	0.000	0.191	0.191	0.191
DC_12A+n66A	Ant.1	0.290	24.50	24.50	24.00	Ant.3	0.375	22.45	20.45	18.95	Front Side 10mm	0.290	0.258	0.237	0.168	0.527	0.426	0.562	0.112	0.199	0.726	0.988	0.737
		0.341	24.50	24.50	24.00		0.378	22.45	20.45	18.95	Back Side 10mm	0.341	0.304	0.239	0.169	0.580	0.473	0.571	0.152	0.217	0.797	1.044	0.842
		0.000	24.50	24.50	24.00		0.000	22.45	20.45	18.95	Left Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000	0.539	0.054	0.193	0.193	0.539	0.247
		0.634	24.50	24.50	24.00		0.157	22.45	20.45	18.95	Right Edge 10mm	0.634	0.565	0.099	0.070	0.733	0.635	0.000	0.000	0.000	0.733	0.635	0.635
		0.000	24.50	24.50	24.00		0.493	22.45	20.45	18.95	Top Edge 10mm	0.000	0.000	0.311	0.220	0.311	0.220	0.309	0.485	0.130	0.441	0.529	0.835
		0.000	24.50	24.50	24.00		0.000	22.45	20.45	18.95	Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
DC_4A+n38A	Ant.0	0.311	21.25	18.25	17.75	Ant.3	0.265	19.95	16.95	16.70	Front Side 10mm	0.156	0.139	0.133	0.125	0.289	0.264	0.562	0.112	0.199	0.488	0.826	0.575
		0.420	21.25	18.25	17.75		0.255	19.95	16.95	16.70	Back Side 10mm	0.210	0.188	0.128	0.121	0.338	0.308	0.571	0.152	0.217	0.555	0.879	0.677
		0.118	21.25	18.25	17.75		0.000	19.95	16.95	16.70	Left Edge 10mm	0.059	0.053	0.000	0.000	0.059	0.053	0.539	0.054	0.193	0.252	0.592	0.300
		0.058	21.25	18.25	17.75		0.126	19.95	16.95	16.70	Right Edge 10mm	0.029	0.026	0.063	0.060	0.092	0.086	0.000	0.000	0.000	0.092	0.086	0.086
		0.000	21.25	18.25	17.75		0.399	19.95	16.95	16.70	Top Edge 10mm	0.000	0.000	0.200	0.189	0.200	0.189	0.309	0.485	0.130	0.330	0.498	0.804
		0.674	21.25	18.25	17.75		0.000	19.95	16.95	16.70	Bottom Edge 10mm	0.338	0.301	0.000	0.000	0.338	0.301	0.000	0.000	0.000	0.338	0.301	0.301
DC_4A+n38A	Ant.0	0.311	21.25	18.25	17.75	Ant.4	0.018	18.95	15.95	15.45	Front Side 10mm	0.156	0.139	0.009	0.008	0.165	0.147	0.562	0.112	0.199	0.364	0.709	0.458
		0.420	21.25	18.25	17.75		0.223	18.95	15.95	15.45	Back Side 10mm	0.210	0.188	0.112	0.100	0.322	0.287	0.571	0.152	0.217	0.539	0.858	0.656
		0.118	21.25	18.25	17.75		0.000	18.95	15.95	15.45	Left Edge 10mm	0.059	0.053	0.000	0.000	0.059	0.053	0.539	0.054	0.193	0.252	0.592	0.300
		0.058	21.25	18.25	17.75		0.107	18.95	15.95	15.45	Right Edge 10mm	0.029	0.026	0.054	0.048	0.083	0.074	0.000	0.000	0.000	0.083	0.074	0.074
		0.000	21.25	18.25	17.75		0.018	18.95	15.95	15.45	Top Edge 10mm	0.000	0.000	0.009	0.008	0.009	0.008	0.309	0.485	0.130	0.139	0.317	0.623
		0.674	21.25	18.25	17.75		0.000	18.95	15.95	15.45	Bottom Edge 10mm	0.338	0.301	0.000	0.000	0.338	0.301	0.000	0.000	0.000	0.338	0.301	0.301
DC_5A+n38A	Ant.1	0.560	24.50	24.50	21.50	Ant.0	0.336	24.20	22.45	20.70	Front Side 10mm	0.560	0.281	0.225	0.150	0.785	0.431	0.562	0.112	0.199	0.984	0.993	0.742
		0.653	24.50	24.50	21.50		0.361	24.20	22.45	20.70	Back Side 10mm	0.653	0.327	0.241	0.161	0.894	0.489	0.571	0.152	0.217	1.111	1.060	0.858

		0.000	24.50	24.50	21.50		0.007	24.20	22.45	20.70	Left Edge 10mm	0.000	0.000	0.005	0.003	0.005	0.003	0.539	0.054	0.193	0.198	0.542	0.250
		0.957	24.50	24.50	21.50		0.056	24.20	22.45	20.70	Right Edge 10mm	0.957	0.480	0.037	0.025	0.994	0.505	0.000	0.000	0.000	0.994	0.505	0.505
		0.000	24.50	24.50	21.50		0.000	24.20	22.45	20.70	Top Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000	0.309	0.485	0.130	0.130	0.309	0.615
		0.000	24.50	24.50	21.50		0.305	24.20	22.45	20.70	Bottom Edge 10mm	0.000	0.000	0.204	0.136	0.204	0.136	0.000	0.000	0.000	0.204	0.136	0.136
DC_5A+n38A	Ant.0	0.175	24.50	24.50	21.50	Ant.3	0.265	19.95	16.95	16.70	Front Side 10mm	0.175	0.088	0.133	0.125	0.308	0.213	0.562	0.112	0.199	0.507	0.775	0.524
		0.186	24.50	24.50	21.50		0.255	19.95	16.95	16.70	Back Side 10mm	0.186	0.093	0.128	0.121	0.314	0.214	0.571	0.152	0.217	0.531	0.785	0.583
		0.094	24.50	24.50	21.50		0.000	19.95	16.95	16.70	Left Edge 10mm	0.094	0.047	0.000	0.000	0.094	0.047	0.539	0.054	0.193	0.287	0.586	0.294
		0.114	24.50	24.50	21.50		0.126	19.95	16.95	16.70	Right Edge 10mm	0.114	0.057	0.063	0.060	0.177	0.117	0.000	0.000	0.000	0.177	0.117	0.117
		0.000	24.50	24.50	21.50		0.399	19.95	16.95	16.70	Top Edge 10mm	0.000	0.000	0.200	0.189	0.200	0.189	0.309	0.485	0.130	0.330	0.498	0.804
		0.237	24.50	24.50	21.50		0.000	19.95	16.95	16.70	Bottom Edge 10mm	0.237	0.119	0.000	0.000	0.237	0.119	0.000	0.000	0.000	0.237	0.119	0.119
DC_5A+n38A	Ant.1	0.560	24.50	24.50	21.50	Ant.3	0.265	19.95	16.95	16.70	Front Side 10mm	0.560	0.281	0.133	0.125	0.693	0.406	0.562	0.112	0.199	0.892	0.968	0.717
		0.653	24.50	24.50	21.50		0.255	19.95	16.95	16.70	Back Side 10mm	0.653	0.327	0.128	0.121	0.781	0.448	0.571	0.152	0.217	0.998	1.019	0.817
		0.000	24.50	24.50	21.50		0.000	19.95	16.95	16.70	Left Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000	0.539	0.054	0.193	0.193	0.539	0.247
		0.957	24.50	24.50	21.50		0.126	19.95	16.95	16.70	Right Edge 10mm	0.957	0.480	0.063	0.060	1.020	0.539	0.000	0.000	0.000	1.020	0.539	0.539
		0.000	24.50	24.50	21.50		0.399	19.95	16.95	16.70	Top Edge 10mm	0.000	0.000	0.200	0.189	0.200	0.189	0.309	0.485	0.130	0.330	0.498	0.804
		0.000	24.50	24.50	21.50		0.000	19.95	16.95	16.70	Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
DC_5A+n38A	Ant.0	0.175	24.50	24.50	21.50	Ant.4	0.018	18.95	15.95	15.45	Front Side 10mm	0.175	0.088	0.009	0.008	0.184	0.096	0.562	0.112	0.199	0.383	0.658	0.407
		0.186	24.50	24.50	21.50		0.223	18.95	15.95	15.45	Back Side 10mm	0.186	0.093	0.112	0.100	0.298	0.193	0.571	0.152	0.217	0.515	0.764	0.562
		0.094	24.50	24.50	21.50		0.000	18.95	15.95	15.45	Left Edge 10mm	0.094	0.047	0.000	0.000	0.094	0.047	0.539	0.054	0.193	0.287	0.586	0.294
		0.114	24.50	24.50	21.50		0.107	18.95	15.95	15.45	Right Edge 10mm	0.114	0.057	0.054	0.048	0.168	0.105	0.000	0.000	0.000	0.168	0.105	0.105
		0.000	24.50	24.50	21.50		0.018	18.95	15.95	15.45	Top Edge 10mm	0.000	0.000	0.009	0.008	0.009	0.008	0.309	0.485	0.130	0.139	0.317	0.623
		0.237	24.50	24.50	21.50		0.000	18.95	15.95	15.45	Bottom Edge 10mm	0.237	0.119	0.000	0.000	0.237	0.119	0.000	0.000	0.000	0.237	0.119	0.119
DC_5A+n38A	Ant.1	0.560	24.50	24.50	21.50	Ant.4	0.018	18.95	15.95	15.45	Front Side 10mm	0.560	0.281	0.009	0.008	0.569	0.289	0.562	0.112	0.199	0.768	0.851	0.600
		0.653	24.50	24.50	21.50		0.223	18.95	15.95	15.45	Back Side 10mm	0.653	0.327	0.112	0.100	0.765	0.427	0.571	0.152	0.217	0.982	0.998	0.796
		0.000	24.50	24.50	21.50		0.000	18.95	15.95	15.45	Left Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000	0.539	0.054	0.193	0.193	0.539	0.247
		0.957	24.50	24.50	21.50		0.107	18.95	15.95	15.45	Right Edge 10mm	0.957	0.480	0.054	0.048	1.011	0.527	0.000	0.000	0.000	1.011	0.527	0.527
		0.000	24.50	24.50	21.50		0.018	18.95	15.95	15.45	Top Edge 10mm	0.000	0.000	0.009	0.008	0.009	0.008	0.309	0.485	0.130	0.139	0.317	0.623
		0.000	24.50	24.50	21.50		0.000	18.95	15.95	15.45	Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
DC_66A+n38A	Ant.0	0.286	21.25	18.25	17.75	Ant.3	0.265	19.95	16.95	16.70	Front Side 10mm	0.143	0.128	0.133	0.125	0.276	0.253	0.562	0.112	0.199	0.475	0.815	0.564
		0.379	21.25	18.25	17.75		0.255	19.95	16.95	16.70	Back Side 10mm	0.190	0.169	0.128	0.121	0.318	0.290	0.571	0.152	0.217	0.535	0.861	0.659
		0.108	21.25	18.25	17.75		0.000	19.95	16.95	16.70	Left Edge 10mm	0.054	0.048	0.000	0.000	0.054	0.048	0.539	0.054	0.193	0.247	0.587	0.295
		0.053	21.25	18.25	17.75		0.126	19.95	16.95	16.70	Right Edge 10mm	0.027	0.024	0.063	0.060	0.090	0.083	0.000	0.000	0.000	0.090	0.083	0.083
		0.000	21.25	18.25	17.75		0.399	19.95	16.95	16.70	Top Edge 10mm	0.000	0.000	0.200	0.189	0.200	0.189	0.309	0.485	0.130	0.330	0.498	0.804
		0.683	21.25	18.25	17.75		0.000	19.95	16.95	16.70	Bottom Edge 10mm	0.342	0.305	0.000	0.000	0.342	0.305	0.000	0.000	0.000	0.342	0.305	0.305
DC_66A+n38A	Ant.0	0.286	21.25	18.25	17.75	Ant.4	0.018	18.95	15.95	15.45	Front Side 10mm	0.143	0.128	0.009	0.008	0.152	0.136	0.562	0.112	0.199	0.351	0.698	0.447
		0.379	21.25	18.25	17.75		0.223	18.95	15.95	15.45	Back Side 10mm	0.190	0.169	0.112	0.100	0.302	0.269	0.571	0.152	0.217	0.519	0.840	0.638
		0.108	21.25	18.25	17.75		0.000	18.95	15.95	15.45	Left Edge 10mm	0.054	0.048	0.000	0.000	0.054	0.048	0.539	0.054	0.193	0.247	0.587	0.295
		0.053	21.25	18.25	17.75		0.107	18.95	15.95	15.45	Right Edge 10mm	0.027	0.024	0.054	0.048	0.080	0.071	0.000	0.000	0.000	0.080	0.071	0.071
		0.000	21.25	18.25	17.75		0.018	18.95	15.95	15.45	Top Edge 10mm	0.000	0.000	0.009	0.008	0.009	0.008	0.309	0.485	0.130	0.139	0.317	0.623
		0.683	21.25	18.25	17.75		0.000	18.95	15.95	15.45	Bottom Edge 10mm	0.342	0.305	0.000	0.000	0.342	0.305	0.000	0.000	0.000	0.342	0.305	0.305
DC_4A+n41A	Ant.0	0.311	21.25	18.25	17.75	Ant.3	0.107	16.45	14.95	13.20	Front Side 10mm	0.156	0.139	0.076	0.051	0.232	0.190	0.562	0.112	0.199	0.431	0.752	0.501
		0.420	21.25	18.25	17.75		0.101	16.45	14.95	13.20	Back Side 10mm	0.210	0.188	0.072	0.048	0.282	0.235	0.571	0.152	0.217	0.499	0.806	0.604
		0.118	21.25	18.25	17.75		0.000	16.45	14.95	13.20	Left Edge 10mm	0.059	0.053	0.000	0.000	0.059	0.053	0.539	0.054	0.193	0.252	0.592	0.300

		0.058	21.25	18.25	17.75		0.049	16.45	14.95	13.20	Right Edge 10mm	0.029	0.026	0.035	0.023	0.064	0.049	0.000	0.000	0.000	0.064	0.049	0.049
		0.000	21.25	18.25	17.75		0.152	16.45	14.95	13.20	Top Edge 10mm	0.000	0.000	0.108	0.072	0.108	0.072	0.309	0.485	0.130	0.238	0.381	0.687
		0.674	21.25	18.25	17.75		0.000	16.45	14.95	13.20	Bottom Edge 10mm	0.338	0.301	0.000	0.000	0.338	0.301	0.000	0.000	0.000	0.338	0.301	0.301
DC_4A+n41A	Ant.0	0.311	21.25	18.25	17.75	Ant.4	0.022	19.20	17.70	15.95	Front Side 10mm	0.156	0.139	0.016	0.010	0.171	0.149	0.562	0.112	0.199	0.370	0.711	0.460
		0.420	21.25	18.25	17.75		0.238	19.20	17.70	15.95	Back Side 10mm	0.210	0.188	0.168	0.113	0.379	0.300	0.571	0.152	0.217	0.596	0.871	0.669
		0.118	21.25	18.25	17.75		0.000	19.20	17.70	15.95	Left Edge 10mm	0.059	0.053	0.000	0.000	0.059	0.053	0.539	0.054	0.193	0.252	0.592	0.300
		0.058	21.25	18.25	17.75		0.133	19.20	17.70	15.95	Right Edge 10mm	0.029	0.026	0.094	0.063	0.123	0.089	0.000	0.000	0.000	0.123	0.089	0.089
		0.000	21.25	18.25	17.75		0.011	19.20	17.70	15.95	Top Edge 10mm	0.000	0.000	0.008	0.005	0.008	0.005	0.309	0.485	0.130	0.138	0.314	0.620
		0.674	21.25	18.25	17.75		0.000	19.20	17.70	15.95	Bottom Edge 10mm	0.338	0.301	0.000	0.000	0.338	0.301	0.000	0.000	0.000	0.338	0.301	0.301
DC_26A+n41A	Ant.1	0.387	24.00	23.75	22.50	Ant.0	0.161	21.20	19.70	17.95	Front Side 10mm	0.365	0.274	0.114	0.076	0.479	0.350	0.562	0.112	0.199	0.678	0.912	0.661
		0.433	24.00	23.75	22.50		0.177	21.20	19.70	17.95	Back Side 10mm	0.409	0.307	0.125	0.084	0.534	0.390	0.571	0.152	0.217	0.751	0.961	0.759
		0.000	24.00	23.75	22.50		0.102	21.20	19.70	17.95	Left Edge 10mm	0.000	0.000	0.072	0.048	0.072	0.048	0.539	0.054	0.193	0.265	0.587	0.295
		0.823	24.00	23.75	22.50		0.030	21.20	19.70	17.95	Right Edge 10mm	0.777	0.583	0.021	0.014	0.798	0.597	0.000	0.000	0.000	0.798	0.597	0.597
		0.000	24.00	23.75	22.50		0.000	21.20	19.70	17.95	Top Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000	0.309	0.485	0.130	0.130	0.309	0.615
		0.000	24.00	23.75	22.50		0.155	21.20	19.70	17.95	Bottom Edge 10mm	0.000	0.000	0.110	0.073	0.110	0.073	0.000	0.000	0.000	0.110	0.073	0.073
DC_26A+n41A	Ant.0	0.158	24.00	24.00	23.75	Ant.3	0.107	16.45	14.95	13.20	Front Side 10mm	0.158	0.149	0.076	0.051	0.234	0.200	0.562	0.112	0.199	0.433	0.762	0.511
		0.170	24.00	24.00	23.75		0.101	16.45	14.95	13.20	Back Side 10mm	0.170	0.160	0.072	0.048	0.242	0.208	0.571	0.152	0.217	0.459	0.779	0.577
		0.092	24.00	24.00	23.75		0.000	16.45	14.95	13.20	Left Edge 10mm	0.092	0.087	0.000	0.000	0.092	0.087	0.539	0.054	0.193	0.285	0.626	0.334
		0.120	24.00	24.00	23.75		0.049	16.45	14.95	13.20	Right Edge 10mm	0.120	0.113	0.035	0.023	0.155	0.136	0.000	0.000	0.000	0.155	0.136	0.136
		0.000	24.00	24.00	23.75		0.152	16.45	14.95	13.20	Top Edge 10mm	0.000	0.000	0.108	0.072	0.108	0.072	0.309	0.485	0.130	0.238	0.381	0.687
		0.213	24.00	24.00	23.75		0.000	16.45	14.95	13.20	Bottom Edge 10mm	0.213	0.201	0.000	0.000	0.213	0.201	0.000	0.000	0.000	0.213	0.201	0.201
DC_26A+n41A	Ant.1	0.387	24.00	23.75	22.50	Ant.3	0.107	16.45	14.95	13.20	Front Side 10mm	0.365	0.274	0.076	0.051	0.441	0.325	0.562	0.112	0.199	0.640	0.887	0.636
		0.433	24.00	23.75	22.50		0.101	16.45	14.95	13.20	Back Side 10mm	0.409	0.307	0.072	0.048	0.480	0.354	0.571	0.152	0.217	0.697	0.925	0.723
		0.000	24.00	23.75	22.50		0.000	16.45	14.95	13.20	Left Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000	0.539	0.054	0.193	0.193	0.539	0.247
		0.823	24.00	23.75	22.50		0.049	16.45	14.95	13.20	Right Edge 10mm	0.777	0.583	0.035	0.023	0.812	0.606	0.000	0.000	0.000	0.812	0.606	0.606
		0.000	24.00	23.75	22.50		0.152	16.45	14.95	13.20	Top Edge 10mm	0.000	0.000	0.108	0.072	0.108	0.072	0.309	0.485	0.130	0.238	0.381	0.687
		0.000	24.00	23.75	22.50		0.000	16.45	14.95	13.20	Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
DC_26A+n41A	Ant.0	0.158	24.00	24.00	23.75	Ant.4	0.022	19.20	17.70	15.95	Front Side 10mm	0.158	0.149	0.016	0.010	0.174	0.160	0.562	0.112	0.199	0.373	0.722	0.471
		0.170	24.00	24.00	23.75		0.238	19.20	17.70	15.95	Back Side 10mm	0.170	0.160	0.168	0.113	0.338	0.273	0.571	0.152	0.217	0.555	0.844	0.642
		0.092	24.00	24.00	23.75		0.000	19.20	17.70	15.95	Left Edge 10mm	0.092	0.087	0.000	0.000	0.092	0.087	0.539	0.054	0.193	0.285	0.626	0.334
		0.120	24.00	24.00	23.75		0.133	19.20	17.70	15.95	Right Edge 10mm	0.120	0.113	0.094	0.063	0.214	0.176	0.000	0.000	0.000	0.214	0.176	0.176
		0.000	24.00	24.00	23.75		0.011	19.20	17.70	15.95	Top Edge 10mm	0.000	0.000	0.008	0.005	0.008	0.005	0.309	0.485	0.130	0.138	0.314	0.620
		0.213	24.00	24.00	23.75		0.000	19.20	17.70	15.95	Bottom Edge 10mm	0.213	0.201	0.000	0.000	0.213	0.201	0.000	0.000	0.000	0.213	0.201	0.201
DC_26A+n41A	Ant.1	0.387	24.00	23.75	22.50	Ant.4	0.022	19.20	17.70	15.95	Front Side 10mm	0.365	0.274	0.016	0.010	0.381	0.284	0.562	0.112	0.199	0.580	0.846	0.595
		0.433	24.00	23.75	22.50		0.238	19.20	17.70	15.95	Back Side 10mm	0.409	0.307	0.168	0.113	0.577	0.419	0.571	0.152	0.217	0.794	0.990	0.788
		0.000	24.00	23.75	22.50		0.000	19.20	17.70	15.95	Left Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000	0.539	0.054	0.193	0.193	0.539	0.247
		0.823	24.00	23.75	22.50		0.133	19.20	17.70	15.95	Right Edge 10mm	0.777	0.583	0.094	0.063	0.871	0.646	0.000	0.000	0.000	0.871	0.646	0.646
		0.000	24.00	23.75	22.50		0.011	19.20	17.70	15.95	Top Edge 10mm	0.000	0.000	0.008	0.005	0.008	0.005	0.309	0.485	0.130	0.138	0.314	0.620
		0.000	24.00	23.75	22.50		0.000	19.20	17.70	15.95	Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
DC_66A+n41A	Ant.0	0.286	21.25	18.25	17.75	Ant.3	0.107	16.45	14.95	13.20	Front Side 10mm	0.143	0.128	0.076	0.051	0.219	0.178	0.562	0.112	0.199	0.418	0.740	0.489
		0.379	21.25	18.25	17.75		0.101	16.45	14.95	13.20	Back Side 10mm	0.190	0.169	0.072	0.048	0.261	0.217	0.571	0.152	0.217	0.478	0.788	0.586
		0.108	21.25	18.25	17.75		0.000	16.45	14.95	13.20	Left Edge 10mm	0.054	0.048	0.000	0.000	0.054	0.048	0.539	0.054	0.193	0.247	0.587	0.295
		0.053	21.25	18.25	17.75		0.049	16.45	14.95	13.20	Right Edge 10mm	0.027	0.024	0.035	0.023	0.061	0.047	0.000	0.000	0.000	0.061	0.047	0.047

		0.000	21.25	18.25	17.75		0.152	16.45	14.95	13.20	Top Edge 10mm	0.000	0.000	0.108	0.072	0.108	0.072	0.309	0.485	0.130	0.238	0.381	0.687
		0.683	21.25	18.25	17.75		0.000	16.45	14.95	13.20	Bottom Edge 10mm	0.342	0.305	0.000	0.000	0.342	0.305	0.000	0.000	0.000	0.342	0.305	0.305
DC_66A+n41A	Ant.0	0.286	21.25	18.25	17.75	Ant.4	0.022	19.20	17.70	15.95	Front Side 10mm	0.143	0.128	0.016	0.010	0.159	0.138	0.562	0.112	0.199	0.358	0.700	0.449
		0.379	21.25	18.25	17.75		0.238	19.20	17.70	15.95	Back Side 10mm	0.190	0.169	0.168	0.113	0.358	0.282	0.571	0.152	0.217	0.575	0.853	0.651
		0.108	21.25	18.25	17.75		0.000	19.20	17.70	15.95	Left Edge 10mm	0.054	0.048	0.000	0.000	0.054	0.048	0.539	0.054	0.193	0.247	0.587	0.295
		0.053	21.25	18.25	17.75		0.133	19.20	17.70	15.95	Right Edge 10mm	0.027	0.024	0.094	0.063	0.121	0.087	0.000	0.000	0.000	0.121	0.087	0.087
		0.000	21.25	18.25	17.75		0.011	19.20	17.70	15.95	Top Edge 10mm	0.000	0.000	0.008	0.005	0.008	0.005	0.309	0.485	0.130	0.138	0.314	0.620
		0.683	21.25	18.25	17.75		0.000	19.20	17.70	15.95	Bottom Edge 10mm	0.342	0.305	0.000	0.000	0.342	0.305	0.000	0.000	0.000	0.342	0.305	0.305

Note:

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

2: The highest Summed 1g SAR is 1.200 W/Kg < 1.6 W/kg, so Simultaneous Transmission SAR test is not required.

14 TEST EQUIPMENTS LIST

Description	Manufacturer	Model	Serial No./Version	Cal. Date	Cal. Due
PC	Dell	N/A	N/A	N/A	N/A
Test Software	Speag	DASY8	16.2.2.1588	N/A	N/A
750MHz Validation Dipole	Speag	D750V3	SN: 1208	2024/08/19	2027/08/18
835MHz Validation Dipole	Speag	D835V2	SN: 4d187	2024/05/08	2027/05/07
1750MHz Validation Dipole	Speag	D1750V2	SN: 1130	2024/05/08	2027/05/07
1950MHz Validation Dipole	Speag	D1950V3	SN: 1240	2024/08/22	2027/08/21
2450MHz Validation Dipole	Speag	D2450V2	SN: 952	2024/05/07	2027/05/06
2600MHz Validation Dipole	Speag	D2600V2	SN: 1095	2024/05/08	2027/05/07
5GHz Validation Dipole	Speag	D5GHzV2	SN: 1200	2024/05/09	2027/05/08
Data Acquisition Electronicsr	Speag	DAE4	SN: 1711	2024/03/18	2025/03/17
Data Acquisition Electronics	Speag	DAE4	SN: 1710	2025/01/20	2026/01/19
E-Field Probe	Speag	EX3DV4	SN: 7893	2024/09/05	2025/09/04
E-Field Probe	Speag	EX3DV4	SN: 7510	2024/06/25	2025/06/24
Signal Generator	R&S	SMB100A	177746	2024/04/24	2025/04/23
Power Meter	R&S	NRVD-B2	835843/014	2024/08/08	2025/08/07
Power Sensor	R&S	NRV-Z4	100381	2024/08/08	2025/08/07
Power Sensor	R&S	NRV-Z2	100211	2024/08/08	2025/08/07
Wireless Communication Test Set	Anritsu	MT8820C	6201502974	2024/08/01	2025/07/31
Network Analyzer	Agilent	E5071C	MY46103472	2023/11/14	2024/11/13
Thermometer	Elitech	RC-4HC	EF720B004811	2023/11/25	2024/11/24
Thermometer	Elitech	RC-4HC	EF7216002985	2023/11/17	2024/11/16
Thermometer	Elitech	RC-4HC	EF7239002655	2024/10/31	2025/10/30
Thermometer	Elitech	RC-4HC	EF7216002974	2024/10/31	2025/10/30
Power Amplifier	SATIMO	6552B	22374	N/A	N/A
Power Amplifier	Mini-Circuits	ZVA-183W-S+	932502132	N/A	N/A
Dielectric Probe Kit	Speag	DAK3.5	SN: 1312	N/A	N/A
Phantom	Speag	SAM	SN: 1859	N/A	N/A
Attenuator	COM-MW	ZA-S1-31	1305003187	N/A	N/A
Directional coupler	AA-MCS	AAMCS-UDC	000272	N/A	N/A

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

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

ANNEX A SIMULATING LIQUID VERIFICATION RESULT

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

Head Liquid

Date	Liquid Type	Fre. (MHz)	Temp. (℃)	Meas. Conductivity (σ) (S/m)	Meas. Permittivity (ε)	Target Conductivity (σ) (S/m)	Target Permittivity (ε)	Conductivity Tolerance (%)	Permittivity Tolerance (%)
2024.10.19	Head	2450	21.4	1.83	39.95	1.80	39.20	1.67	1.91
2024.10.20	Head	2450	21.3	1.85	38.66	1.80	39.20	2.78	-1.38
2024.11.02	Head	5250	21.4	4.70	35.90	4.71	35.93	-0.21	-0.08
2024.11.03	Head	5600	21.3	5.05	34.69	5.07	35.53	-0.39	-2.36
2024.11.04	Head	5750	21.6	5.21	34.65	5.22	35.36	-0.19	-2.01
2025.03.03	Head	750	21.3	0.91	41.15	0.89	41.94	2.25	-1.88
2025.03.04	Head	750	21.3	0.91	41.15	0.89	41.94	2.25	-1.88
2025.03.05	Head	835	21.2	0.89	41.92	0.90	41.50	-1.11	1.01
2025.03.06	Head	835	21.3	0.88	42.10	0.90	41.50	-2.22	1.45
2025.03.07	Head	835	21.6	0.91	41.39	0.90	41.50	1.11	-0.27
2025.03.08	Head	835	21.3	0.89	42.00	0.90	41.50	-1.11	1.20
2025.03.09	Head	1750	21.6	1.38	39.86	1.37	40.08	0.73	-0.55
2025.03.10	Head	1750	21.4	1.40	39.99	1.37	40.08	2.19	-0.22
2025.03.11	Head	1750	21.2	1.39	39.84	1.37	40.08	1.46	-0.60
2025.03.12	Head	1750	21.5	1.37	40.12	1.37	40.08	0.00	0.10
2025.03.24	Head	1750	21.3	1.39	41.07	1.37	40.08	1.46	2.47
2025.03.13	Head	1950	21.4	1.42	39.48	1.40	40.00	1.43	-1.30
2025.03.14	Head	1950	21.3	1.42	39.61	1.40	40.00	1.43	-0.98
2025.03.25	Head	1950	21.1	1.40	40.56	1.40	40.00	0.00	1.40
2025.03.15	Head	2450	21.5	1.82	39.29	1.80	39.20	1.11	0.23
2025.03.16	Head	2600	21.5	1.98	38.89	1.96	39.01	1.02	-0.31
2025.03.17	Head	2600	21.4	1.99	39.13	1.96	39.01	1.53	0.31
2025.03.18	Head	2600	21.4	1.97	38.31	1.96	39.01	0.51	-1.79
2025.03.19	Head	2600	21.3	1.99	39.13	1.96	39.01	1.53	0.31
2025.03.20	Head	2600	21.4	1.97	38.84	1.96	39.01	0.51	-0.44
2025.03.21	Head	2600	21.6	1.98	38.86	1.96	39.01	1.02	-0.38
2025.03.28	Head	2600	21.3	1.95	38.81	1.96	39.01	-0.51	-0.51
2025.03.15	Head	5750	21.5	5.20	35.66	5.22	35.36	-0.38	0.85
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 (%)
2024.10.19	Head	2450	100	5.27	52.70	52.60	0.19
2024.10.20	Head	2450	100	5.31	53.10	52.60	0.95
2024.11.02	Head	5250	100	7.82	78.20	77.70	0.64
2024.11.03	Head	5600	100	8.19	81.90	81.30	0.74
2024.11.04	Head	5750	100	7.82	78.20	77.60	0.77
2025.03.03	Head	750	100	0.85	8.45	8.46	-0.12
2025.03.04	Head	750	100	0.85	8.48	8.46	0.24
2025.03.05	Head	835	100	0.98	9.77	9.74	0.31
2025.03.06	Head	835	100	0.97	9.72	9.74	-0.21
2025.03.07	Head	835	100	0.98	9.82	9.74	0.82
2025.03.08	Head	835	100	0.98	9.75	9.74	0.10
2025.03.09	Head	1750	100	3.72	37.20	37.00	0.54
2025.03.10	Head	1750	100	3.78	37.80	37.00	2.16
2025.03.11	Head	1750	100	3.68	36.80	37.00	-0.54
2025.03.12	Head	1750	100	3.72	37.20	37.00	0.54
2025.03.24	Head	1750	100	3.58	35.80	37.00	-3.24
2025.03.13	Head	1950	100	4.19	41.90	41.70	0.48
2025.03.14	Head	1950	100	4.21	42.10	41.70	0.96
2025.03.25	Head	1950	100	4.15	41.50	41.70	-0.48
2025.03.15	Head	2450	100	5.31	53.10	52.60	0.95
2025.03.16	Head	2600	100	5.61	56.10	55.90	0.36
2025.03.17	Head	2600	100	5.71	57.10	55.90	2.15
2025.03.18	Head	2600	100	5.65	56.50	55.90	1.07
2025.03.19	Head	2600	100	5.70	57.00	55.90	1.97
2025.03.20	Head	2600	100	5.65	56.50	55.90	1.07
2025.03.21	Head	2600	100	5.68	56.80	55.90	1.61
2025.03.28	Head	2600	100	5.78	57.80	55.90	3.40
2025.03.15	Head	5750	100	7.81	78.10	77.60	0.64
Note: The tolerance limit of System validation ±10%.							

Head liquid 10g

Date	Liquid Type	Freq. (MHz)	Power (mW)	Measured SAR (W/kg)	Normalized SAR (W/kg)	Dipole SAR (W/kg)	Tolerance (%)
2024.10.19	Head	2450	100	2.49	24.90	24.70	0.81
2024.10.20	Head	2450	100	2.52	25.20	24.70	2.02
2024.11.02	Head	5250	100	2.21	22.10	22.00	0.45
2024.11.03	Head	5600	100	2.37	23.70	23.10	2.60
2024.11.04	Head	5750	100	2.28	22.80	21.90	4.11
2025.03.09	Head	1750	100	1.98	19.80	19.70	0.51
2025.03.11	Head	1750	100	1.95	19.50	19.70	-1.02
2025.03.12	Head	1750	100	1.97	19.70	19.70	0.00
2025.03.15	Head	5750	100	2.240	22.40	21.90	2.28
Note: The tolerance limit of System validation ±10%.							

System Performance Check Data 2450MHz)

Exposure Conditions

Phantom Section, 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	7.75	1.83	39.9	22.5	21.4

Hardware Setup

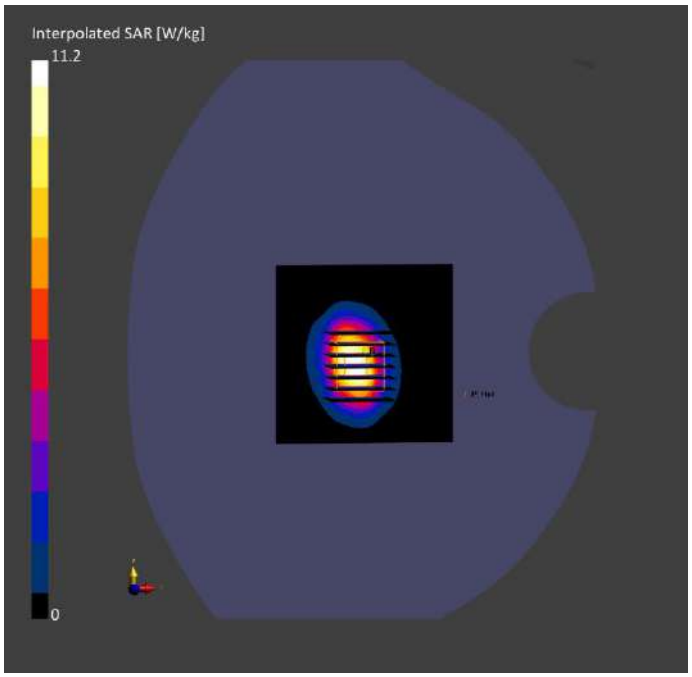
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-10-19	EX3DV4 - SN7510, 2024-06-25	DAE4 Sn1711, 2024-03-18

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	2024-10-19	2024-10-19
psSAR1g [W/kg]	5.22	5.27
psSAR10g [W/kg]	2.41	2.49
Power Drift [dB]	-0.06	-0.08
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		81.2
Dist 3dB Peak [mm]		8.9


Interpolated SAR [W/kg]
11.2
0

System Performance Check Data (2450MHz)

Exposure Conditions

Phantom Section, 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	7.75	1.85	38.7	22.6	21.3

Hardware Setup

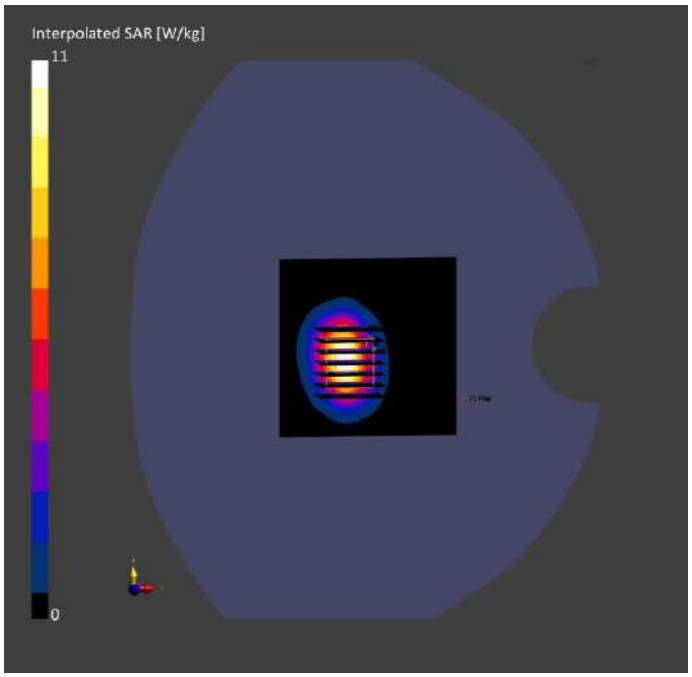
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Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-10-20	EX3DV4 - SN7510, 2024-06-25	DAE4 Sn1711, 2024-03-18

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	2024-10-20	2024-10-20
psSAR1g [W/kg]	5.28	5.31
psSAR10g [W/kg]	2.47	2.52
Power Drift [dB]	-0.02	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]
11
0

System Performance Check Data (5250MHz)

Exposure Conditions

Phantom Section, 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		D5GHz	CW, 0--	5250.0, 5250	5.74	4.70	35.9	22.7	21.4

Hardware Setup

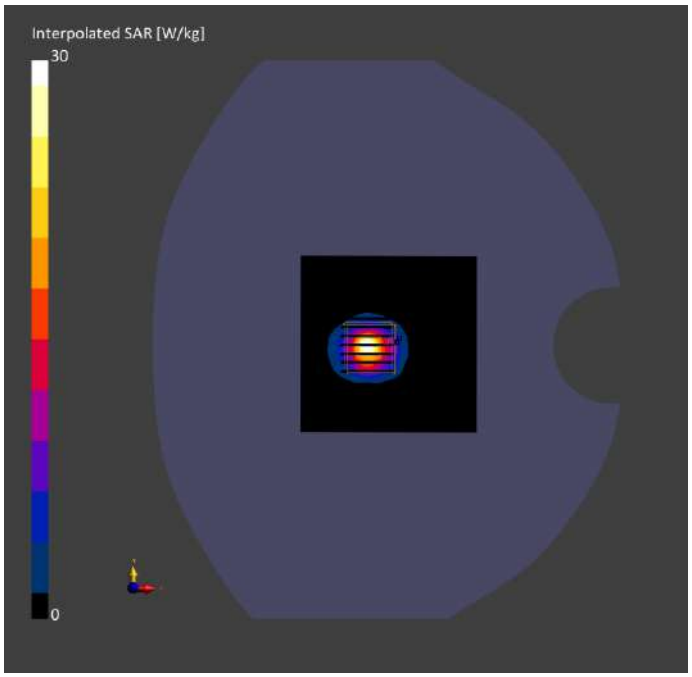
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Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-11-02	EX3DV4 - SN7510, 2024-06-25	DAE4 Sn1711, 2024-03-18

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	2024-11-02	2024-11-02
psSAR1g [W/kg]	7.55	7.82
psSAR10g [W/kg]	2.06	2.21
Power Drift [dB]	0.01	0.05
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		65.8
Dist 3dB Peak [mm]		7.9


Interpolated SAR [W/kg]
30
0

System Performance Check Data (5600MHz)

Exposure Conditions

Phantom Section, 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	5.00	5.05	34.7	22.4	21.3

Hardware Setup

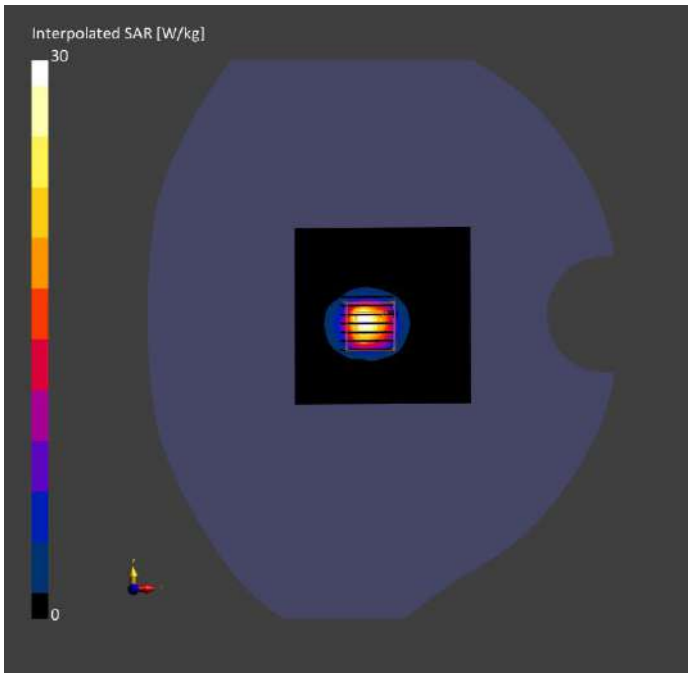
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-11-03	EX3DV4 - SN7510, 2024-06-25	DAE4 Sn1711, 2024-03-18

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	2024-11-03	2024-11-03
psSAR1g [W/kg]	8.03	8.19
psSAR10g [W/kg]	2.24	2.37
Power Drift [dB]	-0.02	-0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		64.9
Dist 3dB Peak [mm]		6.8


Interpolated SAR [W/kg]
30
0

System Performance Check Data (5750MHz)

Exposure Conditions

Phantom Section, 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	5.04	5.21	34.7	22.8	21.6

Hardware Setup

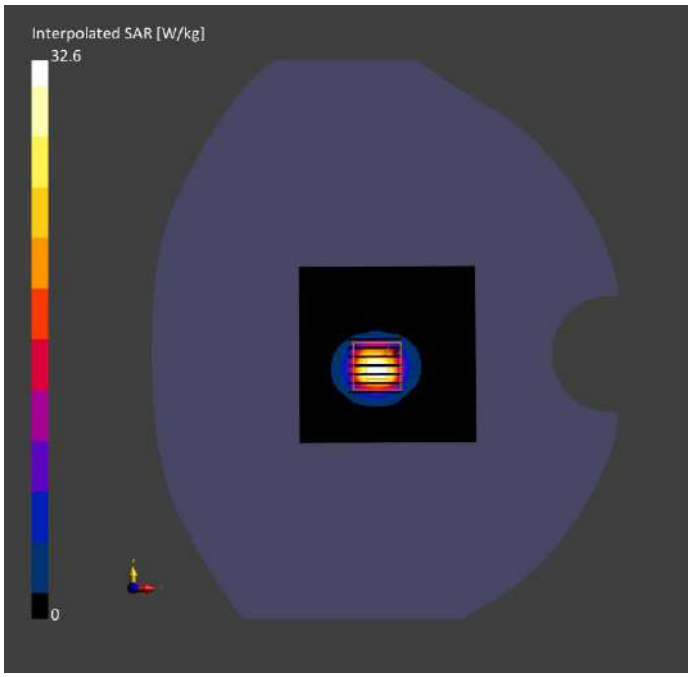
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-11-04	EX3DV4 - SN7510, 2024-06-25	DAE4 Sn1711, 2024-03-18

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	2024-11-04	2024-11-04
psSAR1g [W/kg]	7.68	7.82
psSAR10g [W/kg]	2.17	2.28
Power Drift [dB]	-0.03	-0.04
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		64.2
Dist 3dB Peak [mm]		7.6


Interpolated SAR [W/kg]
32.6
0

System Performance Check Data (750MHz)

Exposure Conditions

Phantom Section, 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		CD750	CW, 0--	750.0, 100	10.29	0.907	41.1	22.2	21.3

Hardware Setup

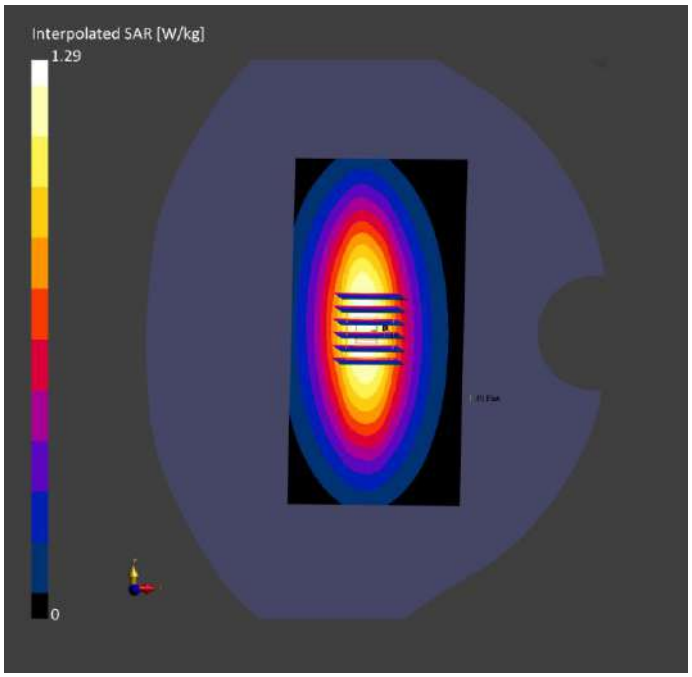
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-03-03	EX3DV4 - SN7510, 2024-06-25	DAE4 Sn1711, 2024-03-18

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	2025-03-03	2025-03-03
psSAR1g [W/kg]	0.851	0.845
psSAR10g [W/kg]	0.557	0.571
Power Drift [dB]	-0.06	0.02
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		86.5
Dist 3dB Peak [mm]		19.7


Interpolated SAR [W/kg]
1.29
0

System Performance Check Data (750MHz)

Exposure Conditions

Phantom Section, 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		CD750	CW, 0--	750.0, 100	10.29	0.911	41.2	22.3	21.3

Hardware Setup

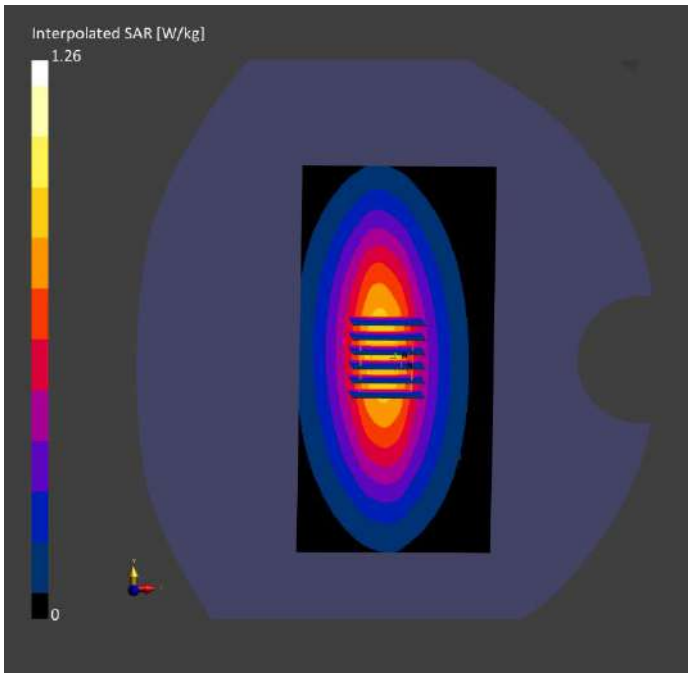
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-03-04	EX3DV4 - SN7510, 2024-06-25	DAE4 Sn1711, 2024-03-18

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	2025-03-04	2025-03-04
psSAR1g [W/kg]	0.843	0.848
psSAR10g [W/kg]	0.535	0.574
Power Drift [dB]	0.04	0.02
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		86.5
Dist 3dB Peak [mm]		20.1


Interpolated SAR [W/kg]
1.26
0

System Performance Check Data (835MHz)

Exposure Conditions

Phantom Section, 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	9.99	0.889	41.9	22.1	21.2

Hardware Setup

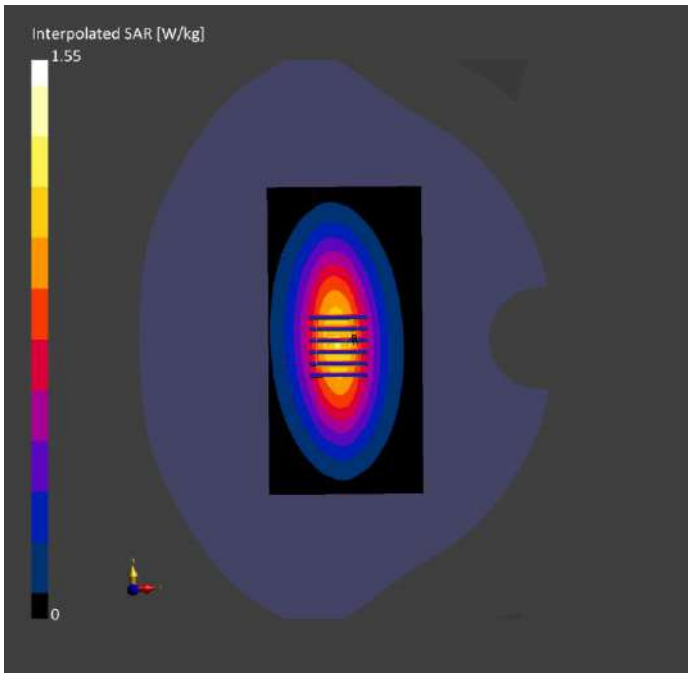
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-03-05	EX3DV4 - SN7510, 2024-06-25	DAE4 Sn1711, 2024-03-18

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	2025-03-05	2025-03-05
psSAR1g [W/kg]	0.946	0.977
psSAR10g [W/kg]	0.625	0.648
Power Drift [dB]	0.02	0.07
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		81.7
Dist 3dB Peak [mm]		12.3


Interpolated SAR [W/kg]
1.55
0

System Performance Check Data (835MHz)

Exposure Conditions

Phantom Section, 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	9.99	0.882	42.1	22.4	21.3

Hardware Setup

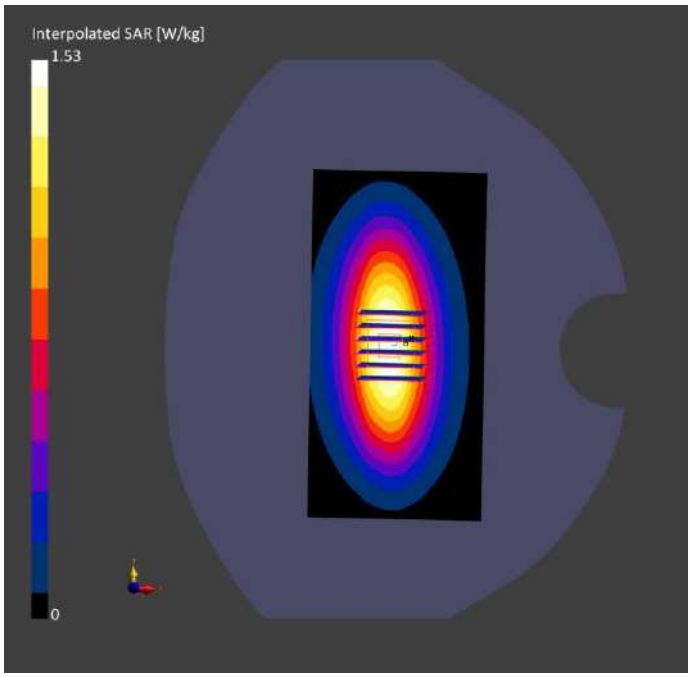
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-03-06	EX3DV4 - SN7510, 2024-06-25	DAE4 Sn1711, 2024-03-18

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	2025-03-06	2025-03-06
psSAR1g [W/kg]	0.956	0.972
psSAR10g [W/kg]	0.628	0.645
Power Drift [dB]	0.05	0.05
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		81.2
Dist 3dB Peak [mm]		12.1


Interpolated SAR [W/kg]
1.53
0

System Performance Check Data (835MHz)

Exposure Conditions

Phantom Section, 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	9.99	0.907	41.4	22.5	21.6

Hardware Setup

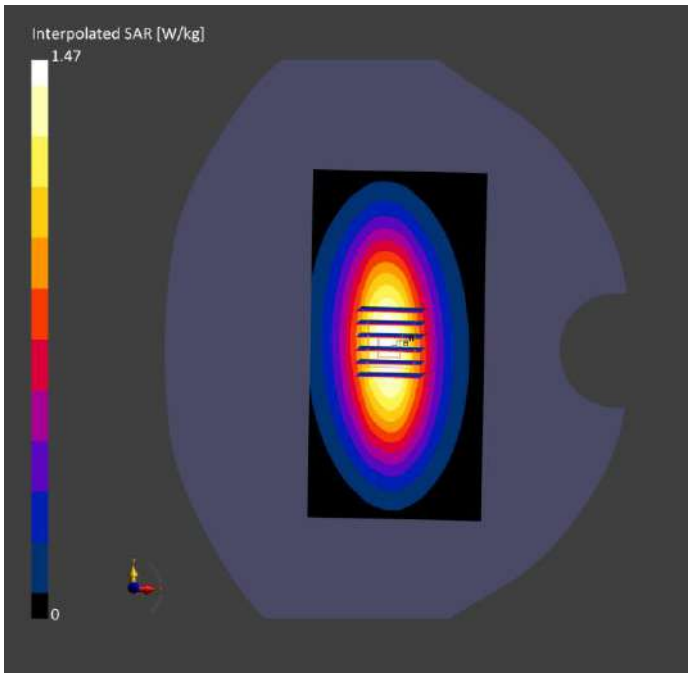
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-03-07	EX3DV4 - SN7510, 2024-06-25	DAE4 Sn1711, 2024-03-18

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	2025-03-07	2025-03-07
psSAR1g [W/kg]	0.959	0.982
psSAR10g [W/kg]	0.648	0.652
Power Drift [dB]	-0.02	-0.09
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		84.1
Dist 3dB Peak [mm]		13.1


Interpolated SAR [W/kg]
1.47
0

System Performance Check Data (835MHz)

Exposure Conditions

Phantom Section, 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	9.99	0.888	42.0	22.4	21.3

Hardware Setup

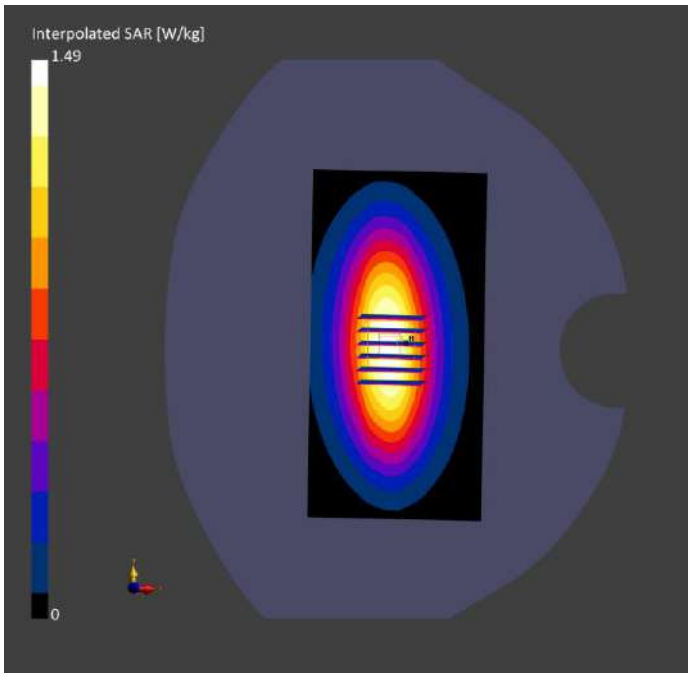
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-03-08	EX3DV4 - SN7510, 2024-06-25	DAE4 Sn1711, 2024-03-18

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	2025-03-08	2025-03-08
psSAR1g [W/kg]	0.943	0.975
psSAR10g [W/kg]	0.625	0.650
Power Drift [dB]	-0.03	-0.06
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		83.2
Dist 3dB Peak [mm]		13.1


Interpolated SAR [W/kg]
1.49
0

System Performance Check Data (1750MHz)

Exposure Conditions

Phantom Section, 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	8.67	1.38	39.9	22.5	21.6

Hardware Setup

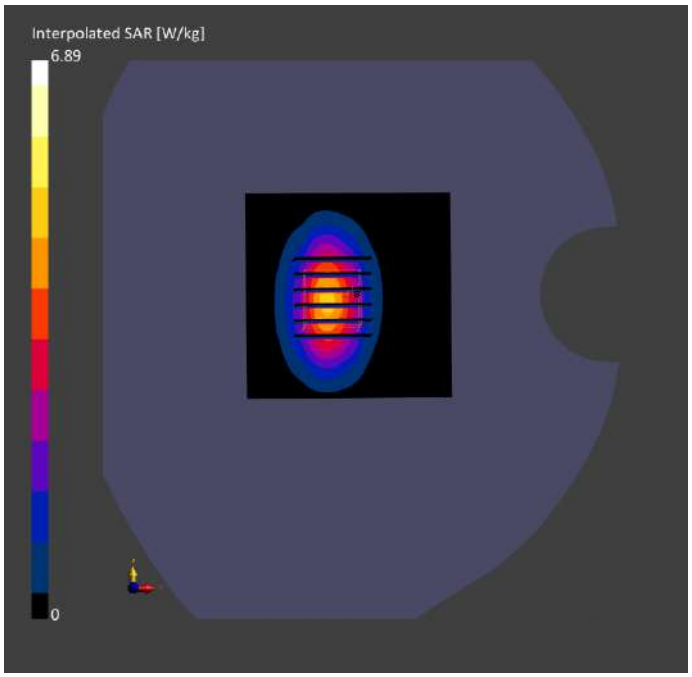
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-03-09	EX3DV4 - SN7510, 2024-06-25	DAE4 Sn1711, 2024-03-18

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	2025-03-09	2025-03-09
psSAR1g [W/kg]	3.61	3.72
psSAR10g [W/kg]	1.79	1.98
Power Drift [dB]	-0.09	-0.03
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		82.6
Dist 3dB Peak [mm]		9.2


Interpolated SAR [W/kg]
6.89
0

System Performance Check Data (1750MHz)

Exposure Conditions

Phantom Section, 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	8.67	1.40	40.0	22.4	21.4

Hardware Setup

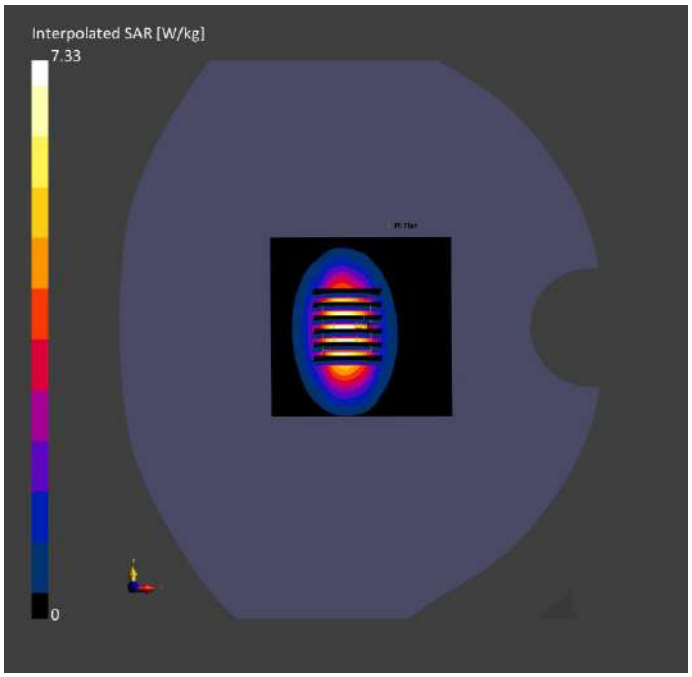
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-03-10	EX3DV4 - SN7510, 2024-06-25	DAE4 Sn1711, 2024-03-18

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	2025-03-10	2025-03-10
psSAR1g [W/kg]	3.63	3.78
psSAR10g [W/kg]	1.91	2.01
Power Drift [dB]	-0.05	-0.02
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		82.2
Dist 3dB Peak [mm]		9.3


Interpolated SAR [W/kg]
7.33
0

System Performance Check Data (1750MHz)

Exposure Conditions

Phantom Section, 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	8.67	1.39	39.8	22.3	21.2

Hardware Setup

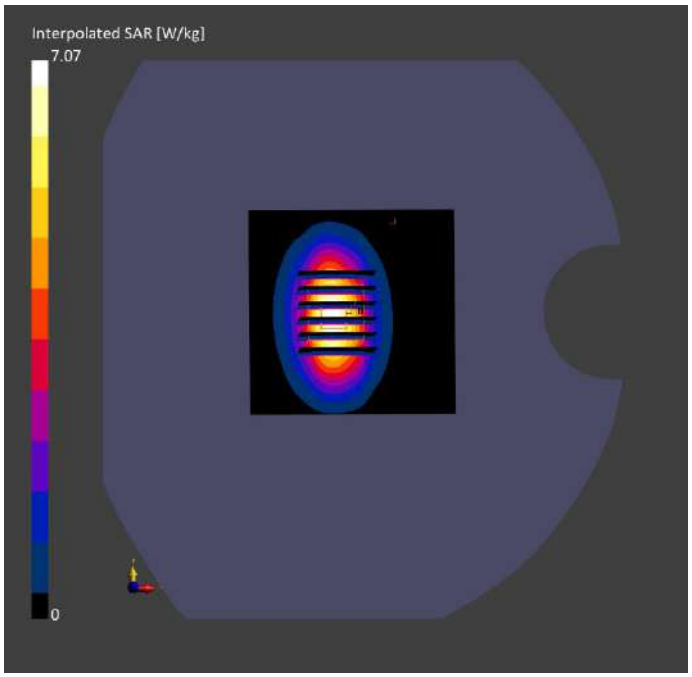
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-03-11	EX3DV4 - SN7510, 2024-06-25	DAE4 Sn1711, 2024-03-18

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	2025-03-11	2025-03-11
psSAR1g [W/kg]	3.53	3.68
psSAR10g [W/kg]	1.81	1.95
Power Drift [dB]	-0.05	-0.02
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		82.3
Dist 3dB Peak [mm]		9.0


Interpolated SAR [W/kg]
7.07
0

System Performance Check Data (1750MHz)

Exposure Conditions

Phantom Section, 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	8.67	1.37	40.1	22.5	21.5

Hardware Setup

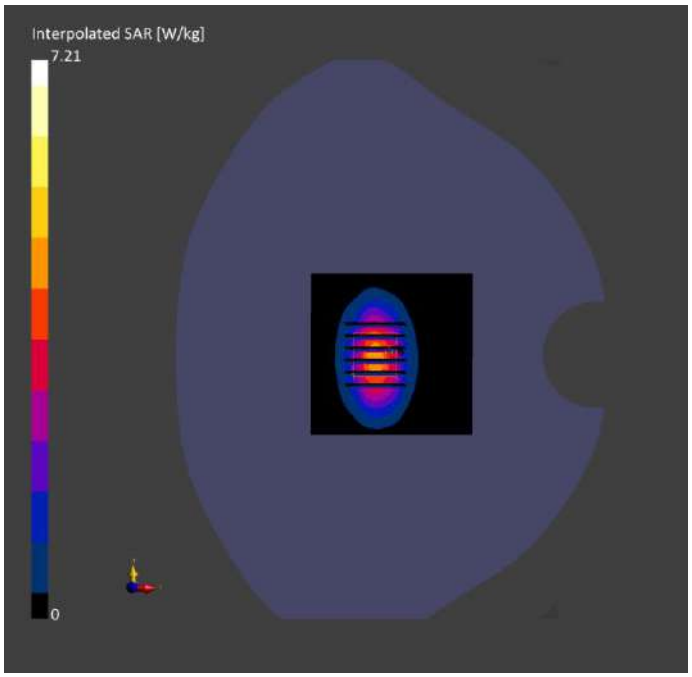
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-03-12	EX3DV4 - SN7510, 2024-06-25	DAE4 Sn1711, 2024-03-18

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	2025-03-12	2025-03-12
psSAR1g [W/kg]	3.56	3.72
psSAR10g [W/kg]	1.91	1.97
Power Drift [dB]	-0.05	-0.02
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		81.3
Dist 3dB Peak [mm]		10.6


Interpolated SAR [W/kg]
7.21
0

System Performance Check Data (1750MHz)

Exposure Conditions

Phantom Section, 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	8.67	1.39	41.1	22.5	21.3

Hardware Setup

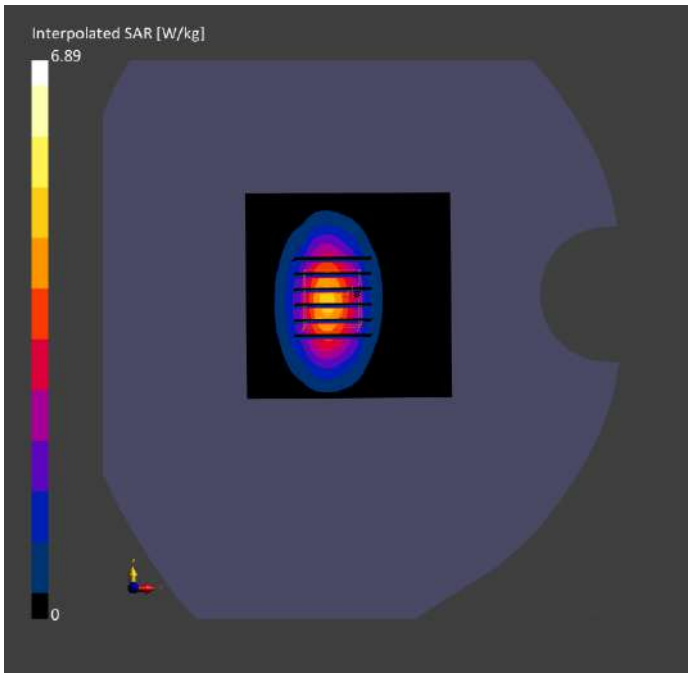
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-03-24	EX3DV4 - SN7510, 2024-06-25	DAE4 Sn1710, 2025-01-20

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	2025-03-24	2025-03-24
psSAR1g [W/kg]	3.50	3.58
psSAR10g [W/kg]	1.79	1.93
Power Drift [dB]	0.02	0.05
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		82.1
Dist 3dB Peak [mm]		9.3


Interpolated SAR [W/kg]
6.89
0

System Performance Check Data (1950MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL		D1950	CW, 0--	1950.0, 50	8.33	1.42	39.5	22.3	21.4

Hardware Setup

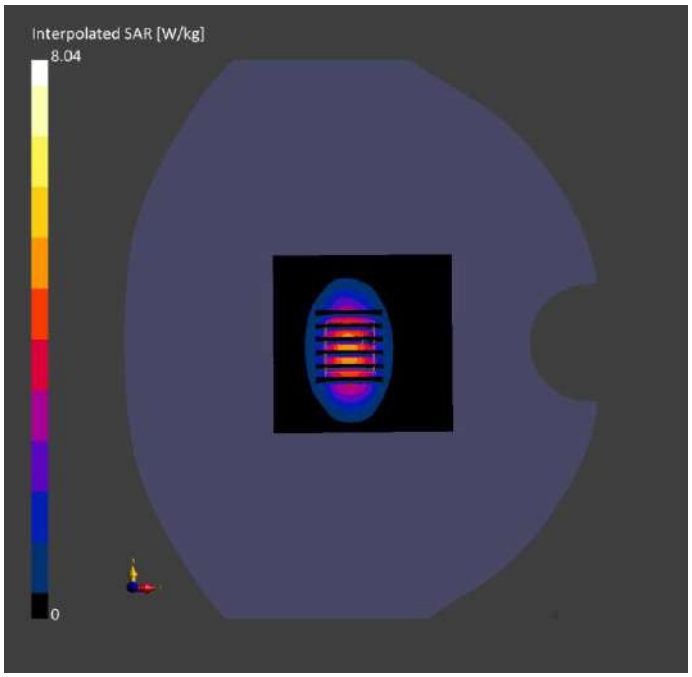
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-03-13	EX3DV4 - SN7510, 2024-06-25	DAE4 Sn1711, 2024-03-18

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	2025-03-13	2025-03-13
psSAR1g [W/kg]	3.92	4.19
psSAR10g [W/kg]	1.99	2.17
Power Drift [dB]	0.01	0.02
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		81.5
Dist 3dB Peak [mm]		9.5


Interpolated SAR [W/kg]
8.04
0

System Performance Check Data (1950MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL		D1950	CW, 0--	1950.0, 50	8.33	1.42	39.6	22.2	21.3

Hardware Setup

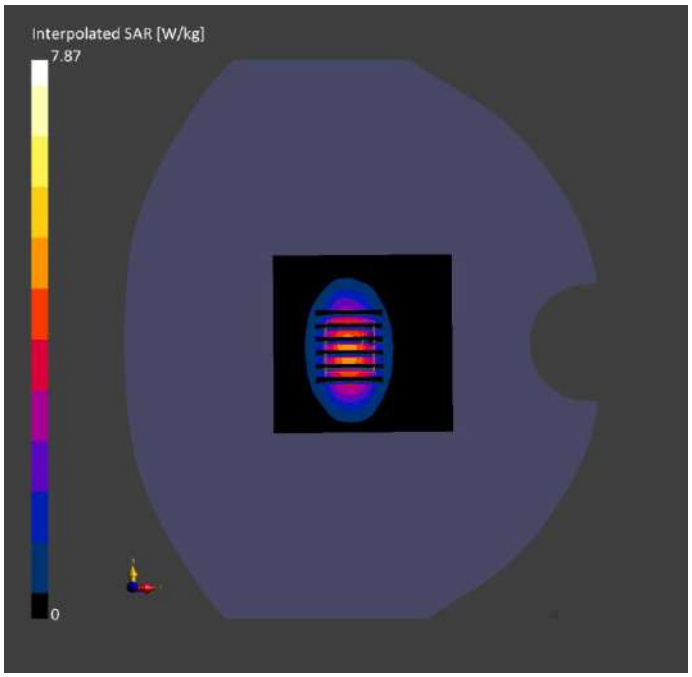
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-03-14	EX3DV4 - SN7510, 2024-06-25	DAE4 Sn1711, 2024-03-18

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	2025-03-14	2025-03-14
psSAR1g [W/kg]	4.10	4.21
psSAR10g [W/kg]	2.08	2.18
Power Drift [dB]	0.05	-0.04
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		81.2
Dist 3dB Peak [mm]		9.4


Interpolated SAR [W/kg]
7.87
0

System Performance Check Data (1950MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL		D1950	CW, 0--	1950.0, 50	8.33	1.40	40.6	22.4	21.1

Hardware Setup

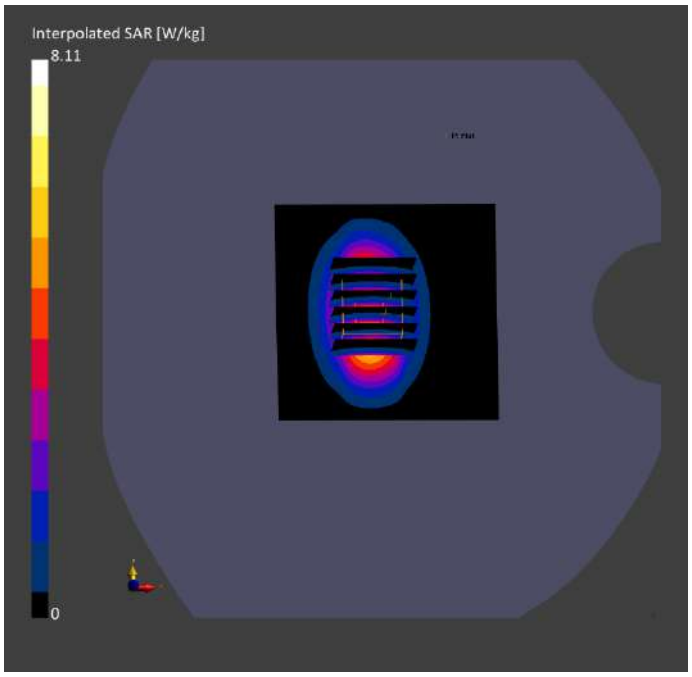
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-03-25	EX3DV4 - SN7510, 2024-06-25	DAE4 Sn1710, 2025-01-20

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	2025-03-25	2025-03-25
psSAR1g [W/kg]	4.03	4.15
psSAR10g [W/kg]	2.02	2.11
Power Drift [dB]	-0.04	-0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		80.5
Dist 3dB Peak [mm]		9.1


Interpolated SAR [W/kg]
8.11
0

System Performance Check Data (2450MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL		D2450	CW, 0--	2450.0, 50	7.75	1.82	39.3	22.3	21.5

Hardware Setup

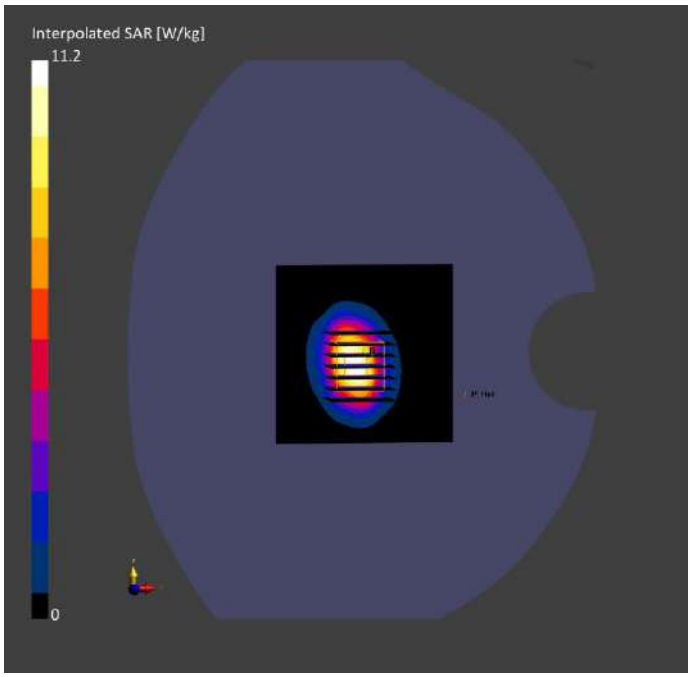
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-03-15	EX3DV4 - SN7510, 2024-06-25	DAE4 Sn1711, 2024-03-18

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	2025-03-15	2025-03-15
psSAR1g [W/kg]	5.25	5.31
psSAR10g [W/kg]	2.41	2.56
Power Drift [dB]	0.04	-0.04
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		81.2
Dist 3dB Peak [mm]		9.1


Interpolated SAR [W/kg]
11.2
0

System Performance Check Data (2600MHz)

Exposure Conditions

Phantom Section, 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	CW, 0--	2600.0, 50	7.06	1.98	38.9	22.3	21.5

Hardware Setup

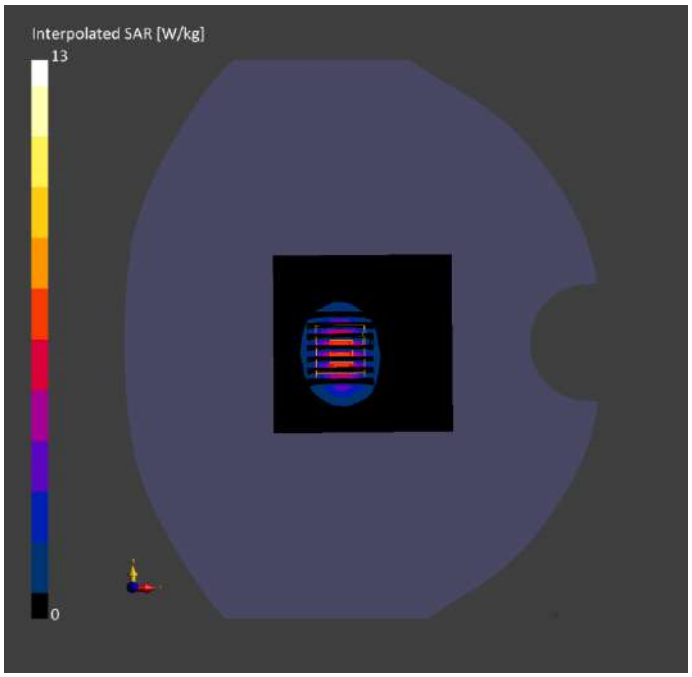
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-03-16	EX3DV4 - SN7893, 2024-09-05	DAE4 Sn1710, 2025-01-20

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	2025-03-16	2025-03-16
psSAR1g [W/kg]	5.38	5.61
psSAR10g [W/kg]	2.46	2.58
Power Drift [dB]	0.04	0.05
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		79.4
Dist 3dB Peak [mm]		8.8


Interpolated SAR [W/kg]
13
0

System Performance Check Data (2600MHz)

Exposure Conditions

Phantom Section, 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	CW, 0--	2600.0, 50	7.06	1.99	39.1	22.4	21.4

Hardware Setup

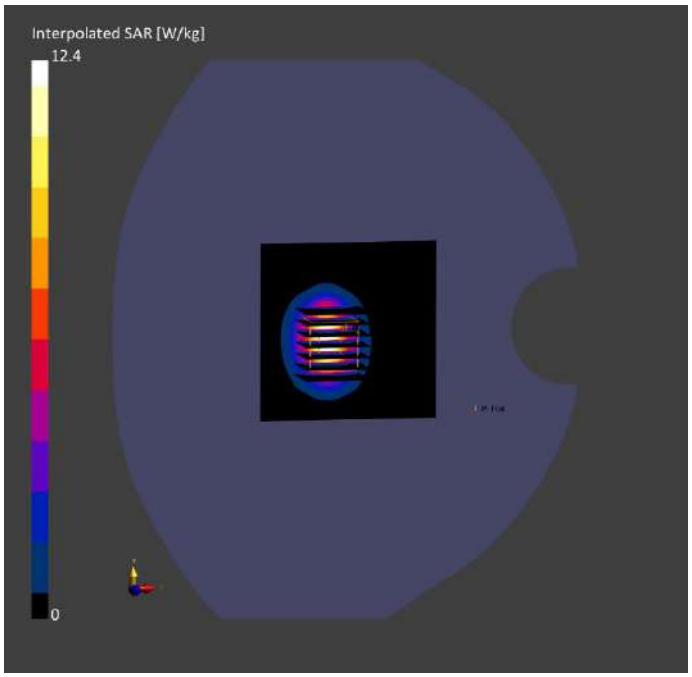
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-03-17	EX3DV4 - SN7893, 2024-09-05	DAE4 Sn1710, 2025-01-20

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	2025-03-17	2025-03-17
psSAR1g [W/kg]	5.61	5.71
psSAR10g [W/kg]	2.43	2.65
Power Drift [dB]	0.01	0.02
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		79.7
Dist 3dB Peak [mm]		8.8


Interpolated SAR [W/kg]
12.4
0

System Performance Check Data (2600MHz)

Exposure Conditions

Phantom Section, 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	CW, 0--	2600.0, 50	7.06	1.97	38.3	22.4	21.4

Hardware Setup

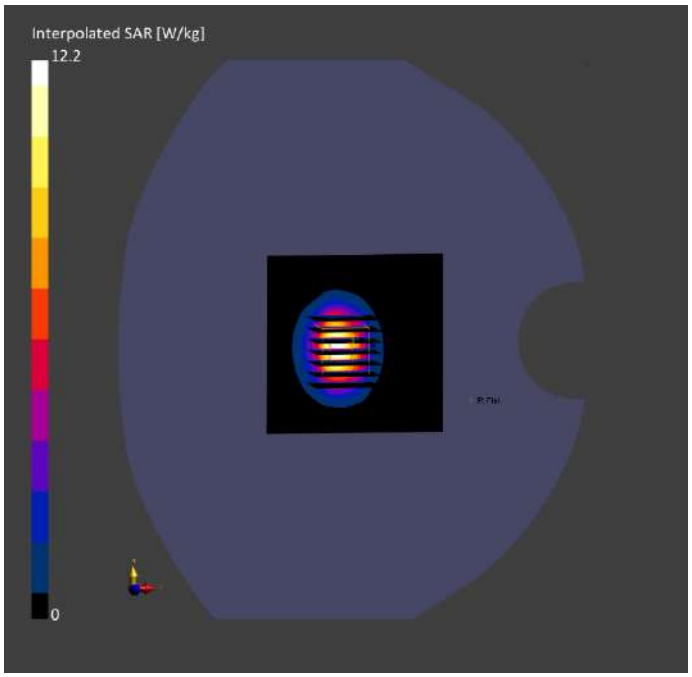
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-03-18	EX3DV4 - SN7893, 2024-09-05	DAE4 Sn1710, 2025-01-20

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	2025-03-18	2025-03-18
psSAR1g [W/kg]	5.54	5.65
psSAR10g [W/kg]	2.46	2.60
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)

Exposure Conditions

Phantom Section, 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	CW, 0--	2600.0, 50	7.06	1.99	39.1	22.3	21.3

Hardware Setup

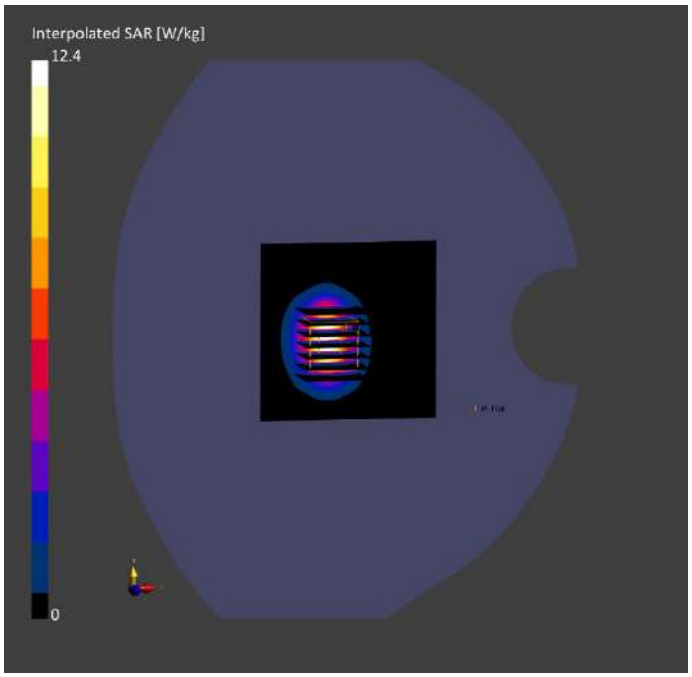
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-03-19	EX3DV4 - SN7893, 2024-09-05	DAE4 Sn1710, 2025-01-20

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	2025-03-19	2025-03-19
psSAR1g [W/kg]	5.53	5.70
psSAR10g [W/kg]	2.50	2.62
Power Drift [dB]	0.00	0.06
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		80.3
Dist 3dB Peak [mm]		8.4


Interpolated SAR [W/kg]
12.4
0

System Performance Check Data (2600MHz)

Exposure Conditions

Phantom Section, 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	7.06	1.97	38.8	22.3	21.4

Hardware Setup

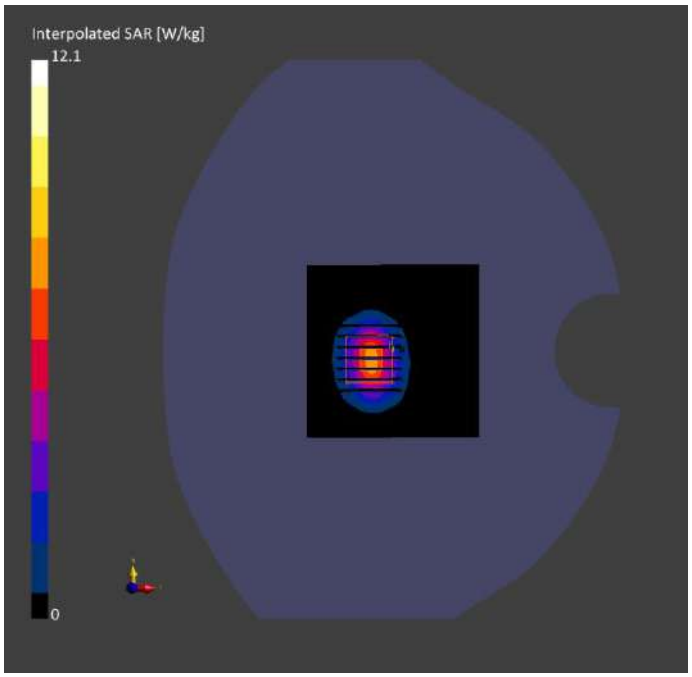
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-03-20	EX3DV4 - SN7893, 2024-09-05	DAE4 Sn1710, 2025-01-20

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	2025-03-20	2025-03-20
psSAR1g [W/kg]	5.34	5.65
psSAR10g [W/kg]	2.38	2.58
Power Drift [dB]	0.12	-0.03
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		80.4
Dist 3dB Peak [mm]		9.4


Interpolated SAR [W/kg]
12.1
0

System Performance Check Data (2600MHz)

Exposure Conditions

Phantom Section, 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	7.06	1.98	38.9	22.5	21.6

Hardware Setup

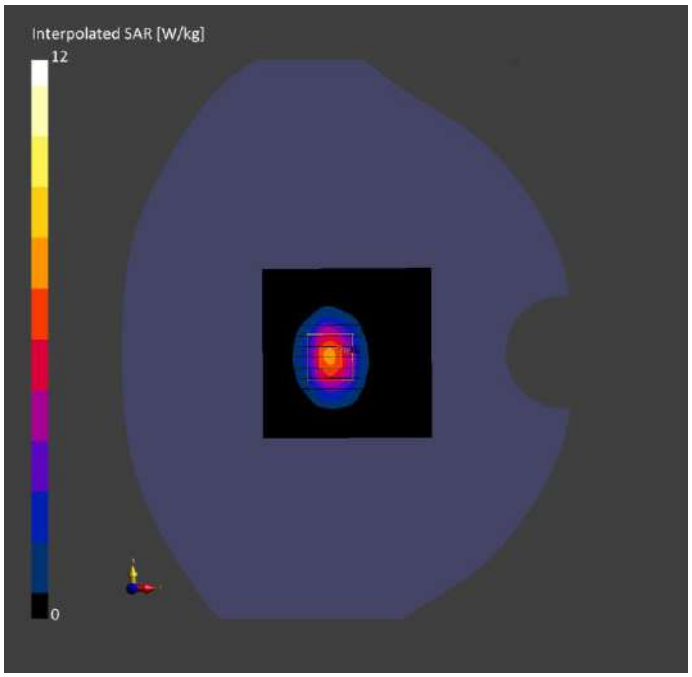
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-03-21	EX3DV4 - SN7893, 2024-09-05	DAE4 Sn1710, 2025-01-20

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	2025-03-21	2025-03-21
psSAR1g [W/kg]	5.59	5.68
psSAR10g [W/kg]	2.45	2.59
Power Drift [dB]	0.00	-0.02
Power Scaling Scaling Factor [dB]	Disabled	Disabled
TSL Correction	No correction	No correction
M2/M1 [%]		79.4
Dist 3dB Peak [mm]		9.2


Interpolated SAR [W/kg]
12
0

System Performance Check Data (2600MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL		CD2600V3	CW, 0--	2600.0, 50	7.06	1.95	38.8	22.4	21.3

Hardware Setup

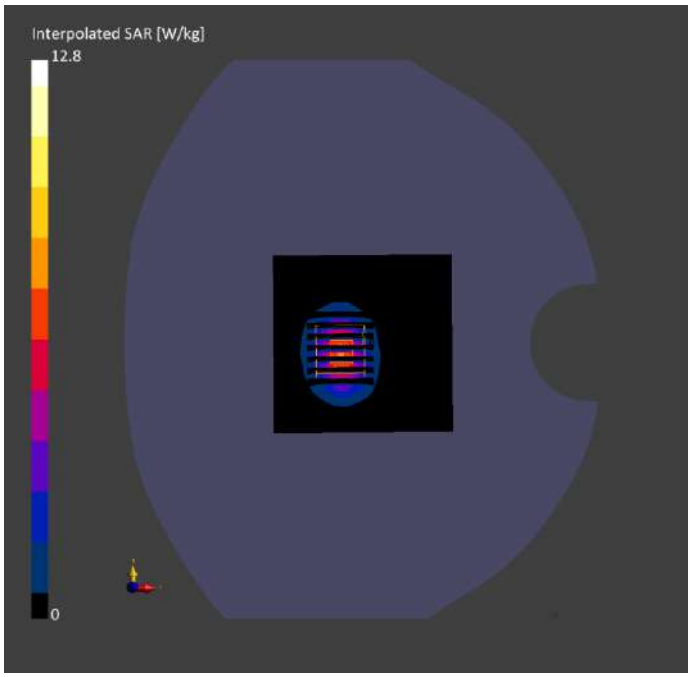
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-03-28	EX3DV4 - SN7893, 2024-09-05	DAE4 Sn1710, 2025-01-20

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	2025-03-28	2025-03-28
psSAR1g [W/kg]	5.63	5.78
psSAR10g [W/kg]	2.49	2.62
Power Drift [dB]	-0.03	-0.05
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		80.5
Dist 3dB Peak [mm]		9.7


Interpolated SAR [W/kg]
12.8
0

System Performance Check Data (5750MHz)

Exposure Conditions

Phantom Section, 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		D5GHz	CW, 0--	5750.0, 75	5.04	5.20	35.7	22.3	21.5

Hardware Setup

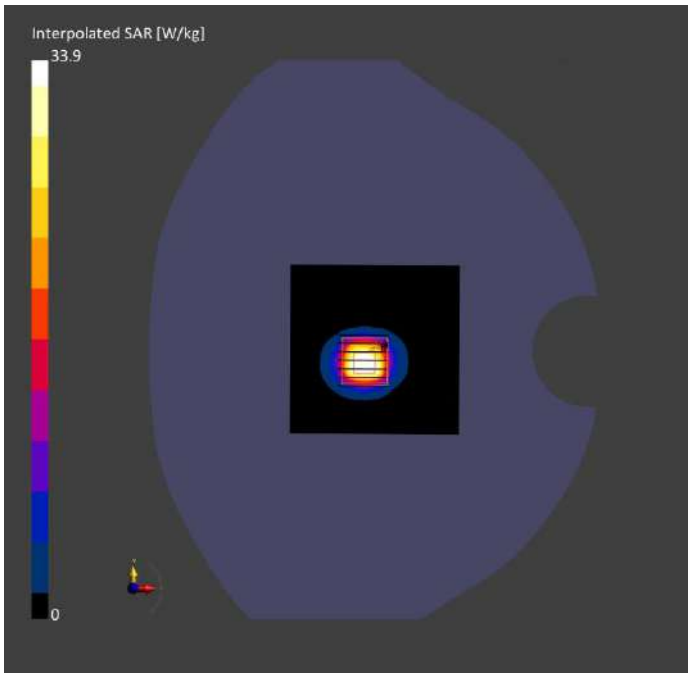
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-03-15	EX3DV4 - SN7510, 2024-06-25	DAE4 Sn1711, 2024-03-18

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	2025-03-15	2025-03-15
psSAR1g [W/kg]	7.63	7.81
psSAR10g [W/kg]	2.18	2.24
Power Drift [dB]	-0.08	-0.06
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		61.3
Dist 3dB Peak [mm]		7.7


Interpolated SAR [W/kg]
33.9
0

ANNEX C TEST DATA

Meas.1 Left Head with Cheek on High Channel in GPRS850 2Slots mode with Antenna 1

Exposure Conditions

Phantom Section, 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	GSM 850	GSM, 10024-DAC	848.8, 251	9.99	0.921	41.1	22.1	21.2

Hardware Setup

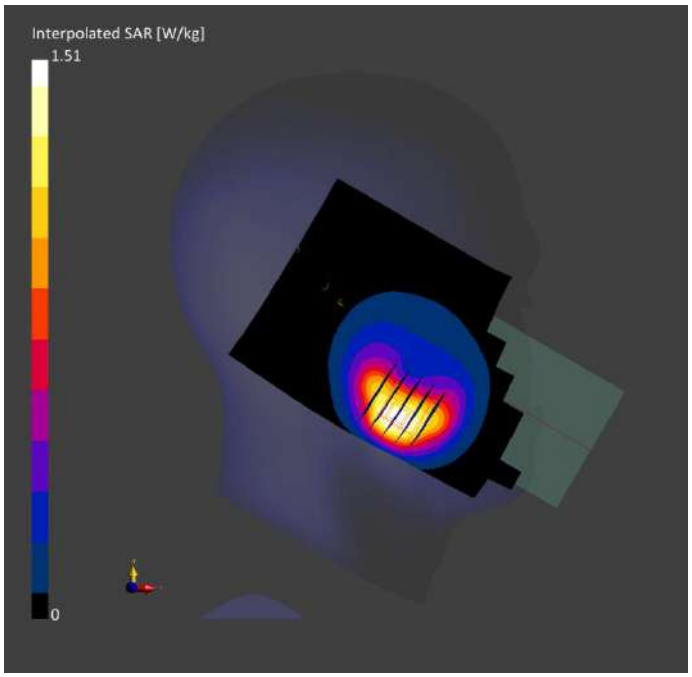
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-03-05	EX3DV4 - SN7510, 2024-06-25	DAE4 Sn1711, 2024-03-18

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	2025-03-05	2025-03-05
psSAR1g [W/kg]	0.617	0.808
psSAR10g [W/kg]	0.397	0.423
Power Drift [dB]	0.00	-0.01
Power Scaling Scaling Factor [dB]	Disabled	Disabled
TSL Correction	No correction	No correction
M2/M1 [%]		54.7
Dist 3dB Peak [mm]		9.7


Interpolated SAR [W/kg]
1.51
0

Meas.2 Body Plane with Back Side 15mm on High Channel in GPRS850 2Slots mode with Antenna 1

Exposure Conditions

Phantom Section, 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, 10024-DAC	848.8, 251	9.99	0.921	41.1	22.1	21.2

Hardware Setup

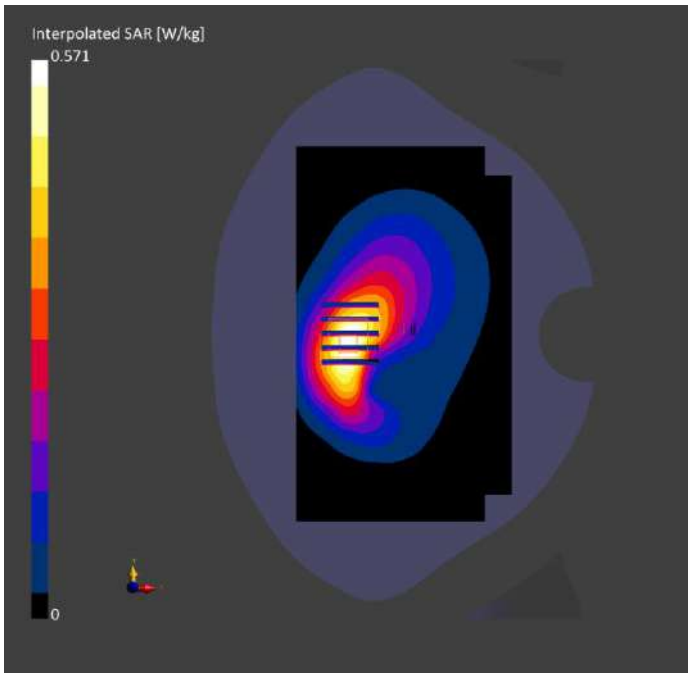
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-03-05	EX3DV4 - SN7510, 2024-06-25	DAE4 Sn1711, 2024-03-18

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	2025-03-05	2025-03-05
psSAR1g [W/kg]	0.366	0.374
psSAR10g [W/kg]	0.234	0.238
Power Drift [dB]	-0.04	-0.04
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		64.2
Dist 3dB Peak [mm]		12.2


Interpolated SAR [W/kg]
0.571
0

Meas.3 Body Plane with Right Edge 10mm on High Channel in GPRS850 2Slots mode with Antenna 1

Exposure Conditions

Phantom Section, 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, 10.00	GSM 850	GSM, 10024-DAC	848.8, 251	9.99	0.921	41.1	22.1	21.2

Hardware Setup

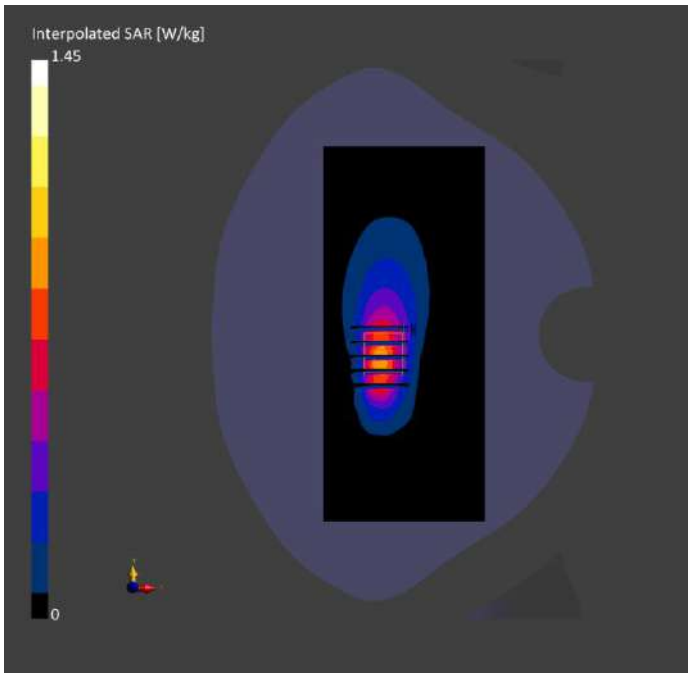
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-03-05	EX3DV4 - SN7510, 2024-06-25	DAE4 Sn1711, 2024-03-18

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	90.0 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	2025-03-05	2025-03-05
psSAR1g [W/kg]	0.799	0.840
psSAR10g [W/kg]	0.467	0.467
Power Drift [dB]	0.00	-0.04
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		57.1
Dist 3dB Peak [mm]		9.6


Interpolated SAR [W/kg]
1.45
0

Meas.4 Right Head with Cheek on Middle Channel in GPRS1900 3Slots mode with Antenna 3

Exposure Conditions

Phantom Section, 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	PCS 1900	GSM, 10027-DAC	1880.0, 661	8.33	1.39	40.2	22.3	21.4

Hardware Setup

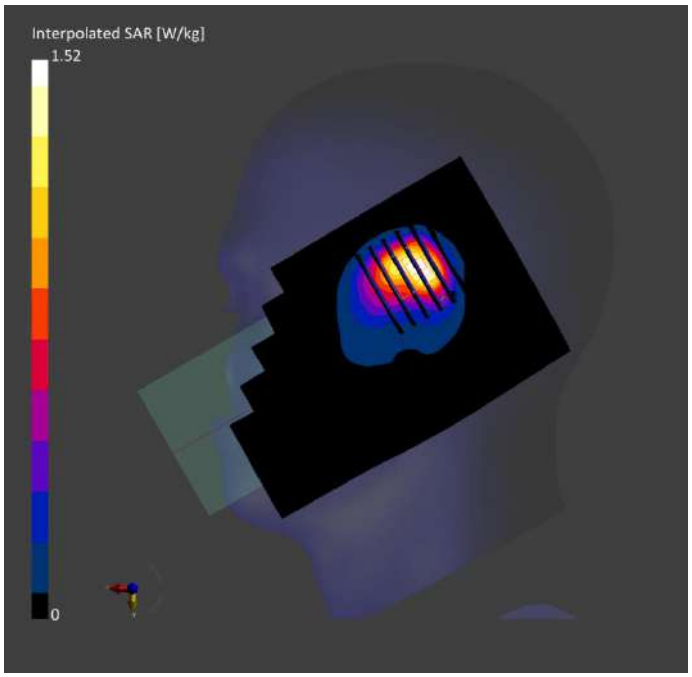
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-03-13	EX3DV4 - SN7510, 2024-06-25	DAE4 Sn1711, 2024-03-18

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	2025-03-13	2025-03-13
psSAR1g [W/kg]	0.833	0.821
psSAR10g [W/kg]	0.452	0.444
Power Drift [dB]	0.00	0.02
Power Scaling Scaling Factor [dB]	Disabled	Disabled
TSL Correction	No correction	No correction
M2/M1 [%]		50.2
Dist 3dB Peak [mm]		8.6


Interpolated SAR [W/kg]
1.52
0

Meas.5 Body Plane with Back Side 15mm on Middle Channel in GPRS1900 3Slots mode with Antenna 0

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	BACK, 15.00	PCS 1900	GSM, 10027-DAC	1880.0, 661	8.33	1.39	40.2	22.3	21.4

Hardware Setup

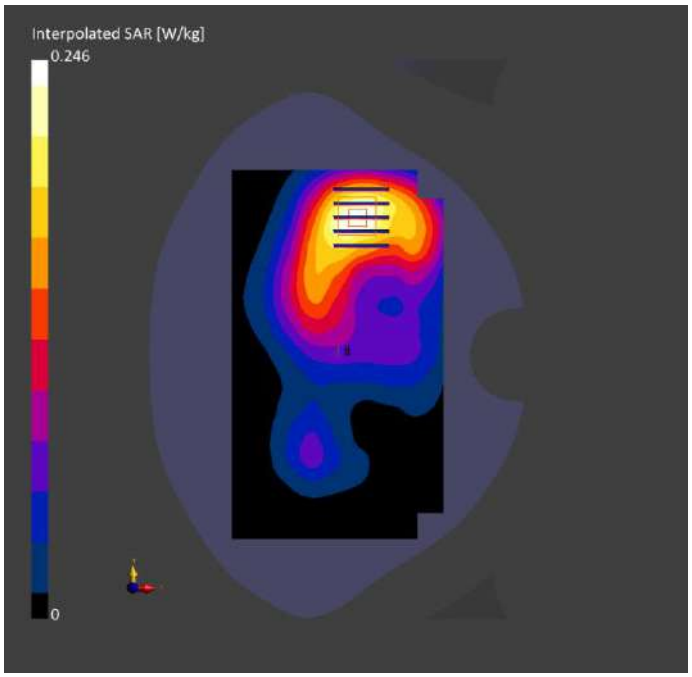
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-03-13	EX3DV4 - SN7510, 2024-06-25	DAE4 Sn1711, 2024-03-18

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	2025-03-13	2025-03-13
psSAR1g [W/kg]	0.165	0.171
psSAR10g [W/kg]	0.101	0.111
Power Drift [dB]	0.00	0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		69.0
Dist 3dB Peak [mm]		> 16.0


Interpolated SAR [W/kg]
0.246
0

Meas.6 Body Plane with Bottom Edge 10mm on Middle Channel in GPRS1900 3Slots mode with Antenna 0

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	EDGE BOTTOM, 10.00	PCS 1900	GSM, 10027-DAC	1880.0, 661	8.33	1.39	40.2	22.3	21.4

Hardware Setup

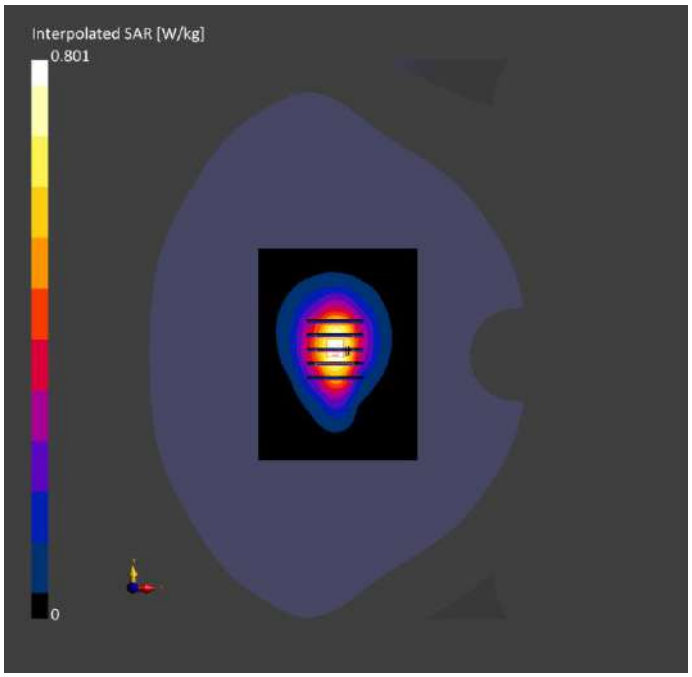
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-03-13	EX3DV4 - SN7510, 2024-06-25	DAE4 Sn1711, 2024-03-18

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	90.0 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 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	2025-03-13	2025-03-13
psSAR1g [W/kg]	0.482	0.498
psSAR10g [W/kg]	0.265	0.288
Power Drift [dB]	0.03	0.03
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		61.5
Dist 3dB Peak [mm]		13.2


Interpolated SAR [W/kg]
0.801
0

Meas.7 Right Head with Cheek on High Channel in WCDMA Band2 mode with Antenna 3

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
RightHead, HSL	CHEEK, 0.00	Band 2	WCDMA, 10011-CAC	1907.6, 9538	8.33	1.40	39.9	22.3	21.4

Hardware Setup

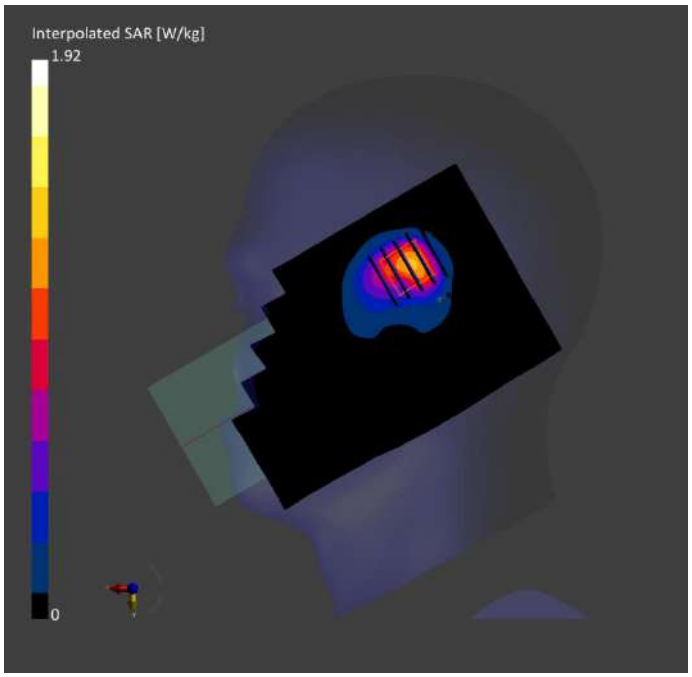
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-03-13	EX3DV4 - SN7510, 2024-06-25	DAE4 Sn1711, 2024-03-18

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	All points	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-03-13	2025-03-13
psSAR1g [W/kg]	1.05	0.989
psSAR10g [W/kg]	0.566	0.527
Power Drift [dB]	-0.01	0.00
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		47.0
Dist 3dB Peak [mm]		7.2


Interpolated SAR [W/kg]
1.92
0

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

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	BACK, 15.00	Band 2	WCDMA, 10457-AAB	1907.6, 9538	8.33	1.40	39.9	22.3	21.4

Hardware Setup

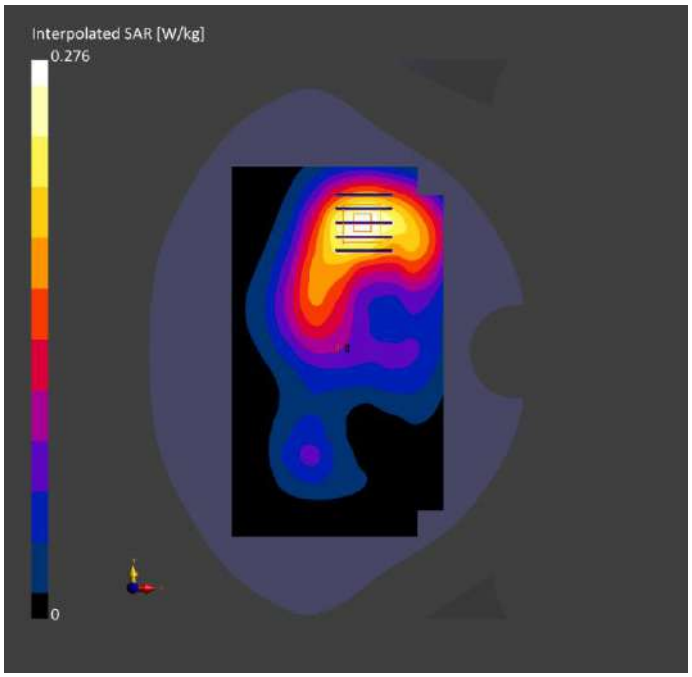
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-03-13	EX3DV4 - SN7510, 2024-06-25	DAE4 Sn1711, 2024-03-18

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	2025-03-13	2025-03-13
psSAR1g [W/kg]	0.185	0.192
psSAR10g [W/kg]	0.112	0.125
Power Drift [dB]	0.00	0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		69.0
Dist 3dB Peak [mm]		> 16.0


Interpolated SAR [W/kg]
0.276
0

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

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	EDGE BOTTOM, 10.00	Band 2	WCDMA, 10457-AAB	1907.6, 9538	8.33	1.40	39.9	22.3	21.4

Hardware Setup

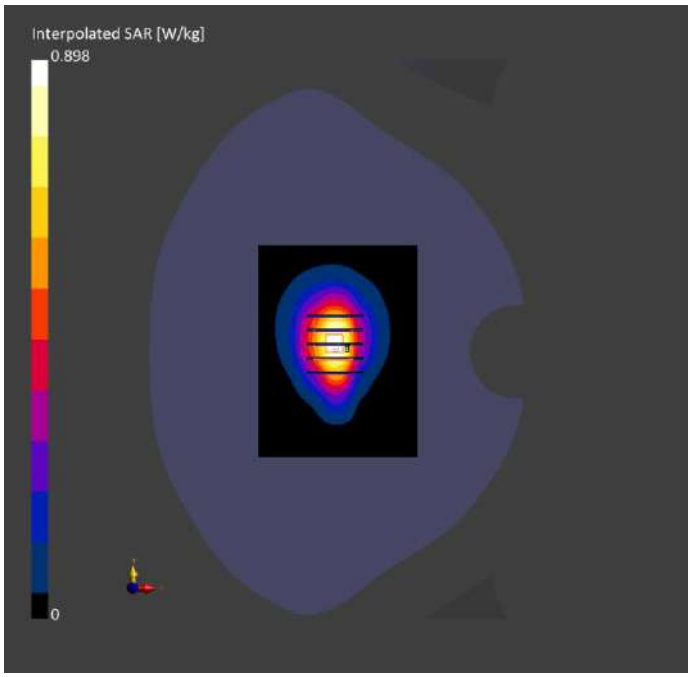
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-03-13	EX3DV4 - SN7510, 2024-06-25	DAE4 Sn1711, 2024-03-18

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	90.0 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 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	2025-03-13	2025-03-13
psSAR1g [W/kg]	0.542	0.565
psSAR10g [W/kg]	0.302	0.328
Power Drift [dB]	0.02	-0.03
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		62.5
Dist 3dB Peak [mm]		12.8


Interpolated SAR [W/kg]
0.898
0

Meas.10 Right Head with Cheek on Low Channel in WCDMA Band4 mode with Antenna 3

Exposure Conditions

Phantom Section, 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	1712.4, 1312	8.67	1.34	40.5	22.5	21.6

Hardware Setup

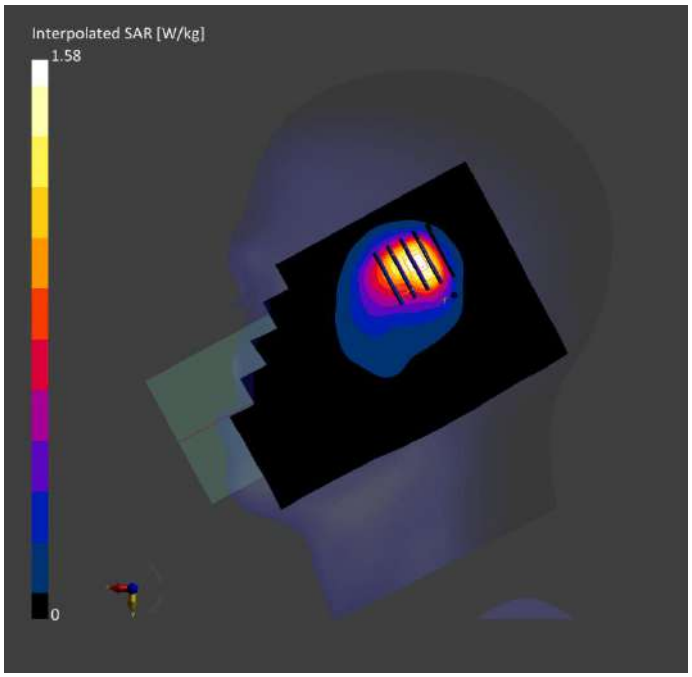
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-03-09	EX3DV4 - SN7510, 2024-06-25	DAE4 Sn1711, 2024-03-18

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	All points	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-03-09	2025-03-09
psSAR1g [W/kg]	0.909	0.861
psSAR10g [W/kg]	0.510	0.474
Power Drift [dB]	-0.01	0.00
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		55.1
Dist 3dB Peak [mm]		8.6


Interpolated SAR [W/kg]
1.58
0

Meas.11 Body Plane with Back Side 15mm on High Channel in WCDMA Band4 mode with Antenna 0

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	BACK, 15.00	Band 4	WCDMA, 10457-AAB	1752.6, 1513	8.67	1.38	39.4	22.5	21.6

Hardware Setup

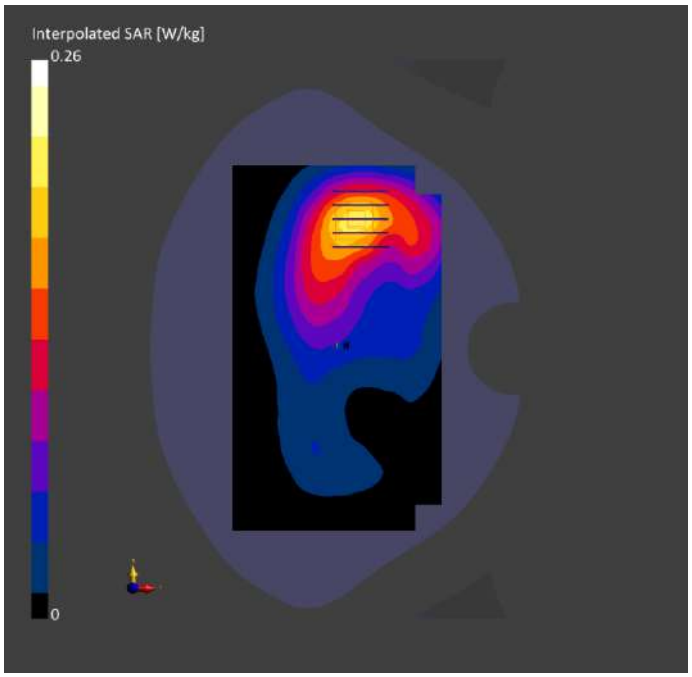
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-03-09	EX3DV4 - SN7510, 2024-06-25	DAE4 Sn1711, 2024-03-18

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	2025-03-09	2025-03-09
psSAR1g [W/kg]	0.178	0.185
psSAR10g [W/kg]	0.109	0.121
Power Drift [dB]	-0.01	-0.02
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		70.3
Dist 3dB Peak [mm]		> 16.0


Interpolated SAR [W/kg]
0.26
0

Meas.12 Body Plane with Bottom Edge 10mm on High Channel in WCDMA Band4 mode with Antenna 0

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	EDGE BOTTOM, 10.00	Band 4	WCDMA, 10457-AAB	1752.6, 1513	8.67	1.38	39.4	22.5	21.6

Hardware Setup

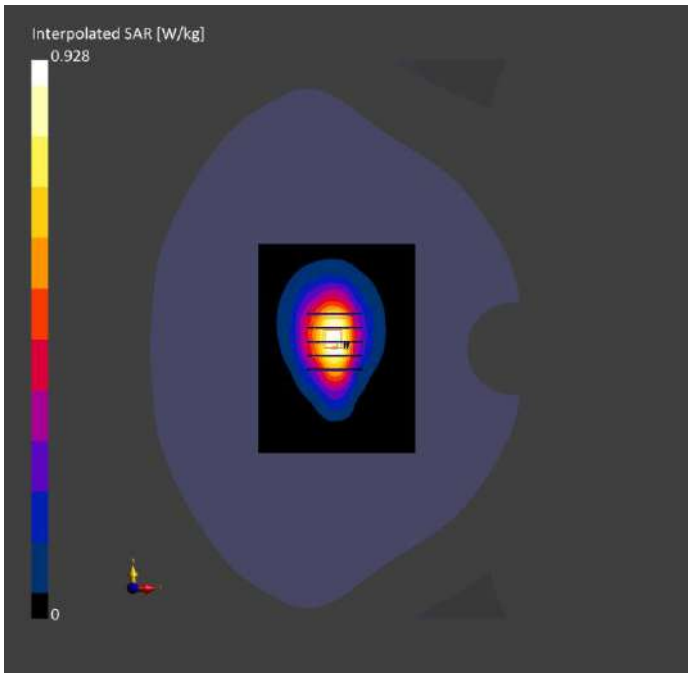
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-03-09	EX3DV4 - SN7510, 2024-06-25	DAE4 Sn1711, 2024-03-18

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	90.0 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 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	2025-03-09	2025-03-09
psSAR1g [W/kg]	0.562	0.595
psSAR10g [W/kg]	0.314	0.346
Power Drift [dB]	0.00	-0.02
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		63.8
Dist 3dB Peak [mm]		11.6


Interpolated SAR [W/kg]
0.928
0

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

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	EDGE BOTTOM, 0.00	Band 4	WCDMA, 10011-CAC	1752.6, 1513	8.67	1.38	39.4	22.5	21.6

Hardware Setup

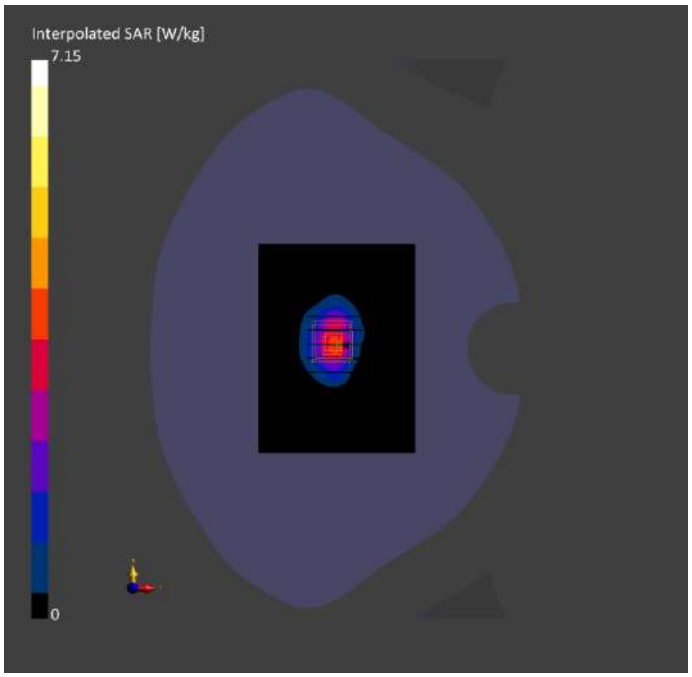
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-03-09	EX3DV4 - SN7510, 2024-06-25	DAE4 Sn1711, 2024-03-18

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	90.0 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 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	2025-03-09	2025-03-09
psSAR1g [W/kg]	3.15	3.55
psSAR10g [W/kg]	1.61	1.74
Power Drift [dB]	0.01	0.02
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		46.0
Dist 3dB Peak [mm]		8.0


Interpolated SAR [W/kg]
7.15
0

Meas.14 Left Head with Cheek on Low Channel in WCDMA Band5 mode with Antenna 1

Exposure Conditions

Phantom Section, 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 5	WCDMA, 10011-CAC	826.4, 4132	9.99	0.881	42.2	22.1	21.2

Hardware Setup

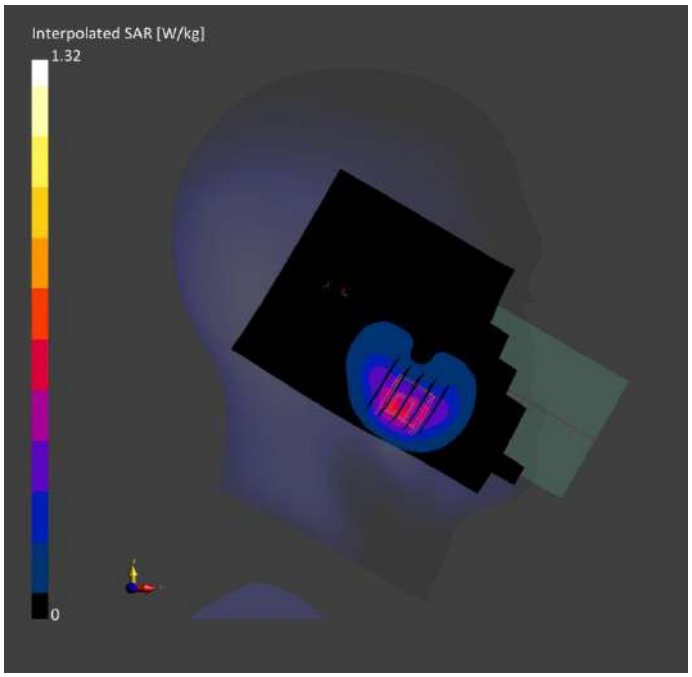
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-03-05	EX3DV4 - SN7510, 2024-06-25	DAE4 Sn1711, 2024-03-18

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	2025-03-05	2025-03-05
psSAR1g [W/kg]	0.484	0.701
psSAR10g [W/kg]	0.311	0.364
Power Drift [dB]	0.01	0.00
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		54.6
Dist 3dB Peak [mm]		9.4


Interpolated SAR [W/kg]
1.32
0

Meas.15 Body Plane with Back Side 15mm on High Channel in WCDMA Band5 mode with Antenna 1

Exposure Conditions

Phantom Section, 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, 10457-AAB	846.6, 4233	9.99	0.917	41.4	22.1	21.2

Hardware Setup

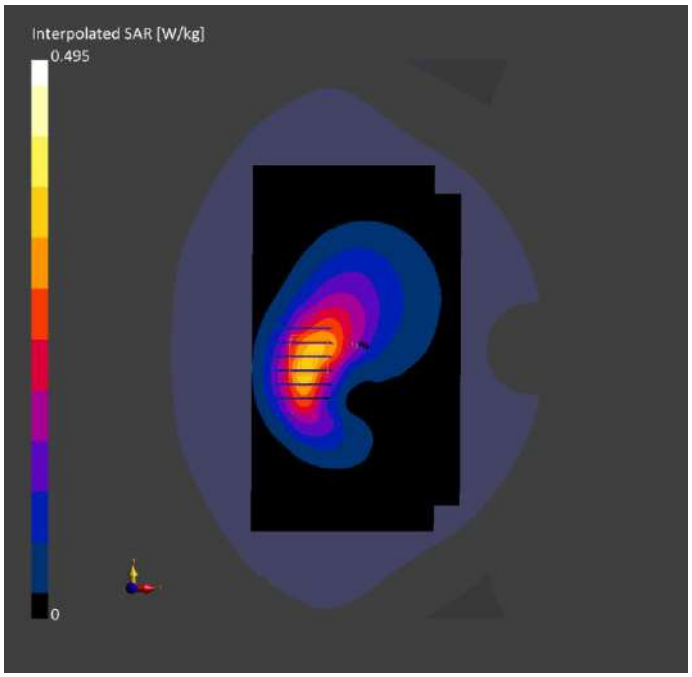
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-03-05	EX3DV4 - SN7510, 2024-06-25	DAE4 Sn1711, 2024-03-18

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	2025-03-05	2025-03-05
psSAR1g [W/kg]	0.315	0.330
psSAR10g [W/kg]	0.204	0.212
Power Drift [dB]	-0.01	0.02
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		66.2
Dist 3dB Peak [mm]		13.7


Interpolated SAR [W/kg]
0.495
0

Meas.16 Body Plane with Right Edge 10mm on High Channel in WCDMA Band5 mode with Antenna 1

Exposure Conditions

Phantom Section, 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, 10.00	Band 5	WCDMA, 10457-AAB	846.6, 4233	9.99	0.917	41.4	22.1	21.2

Hardware Setup

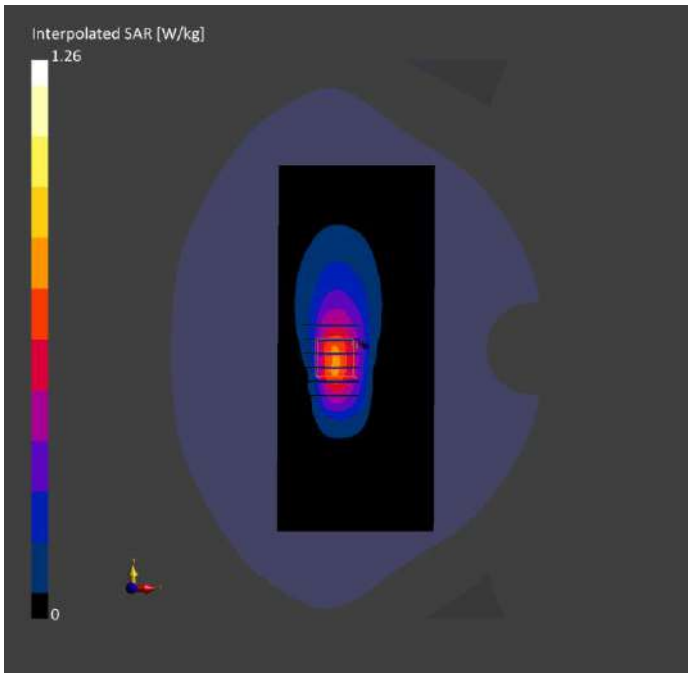
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-03-05	EX3DV4 - SN7510, 2024-06-25	DAE4 Sn1711, 2024-03-18

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	90.0 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	2025-03-05	2025-03-05
psSAR1g [W/kg]	0.664	0.745
psSAR10g [W/kg]	0.409	0.416
Power Drift [dB]	-0.01	-0.05
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		57.8
Dist 3dB Peak [mm]		8.2


Interpolated SAR [W/kg]
1.26
0

Meas.17 Right Head with Cheek on High Channel in LTE Band2 mode with Antenna 3

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
RightHead, HSL	CHEEK, 0.00	Band 2	LTE-FDD, 10169-CAF	1900.0, 19100	8.33	1.39	40.3	22.2	21.3

Hardware Setup

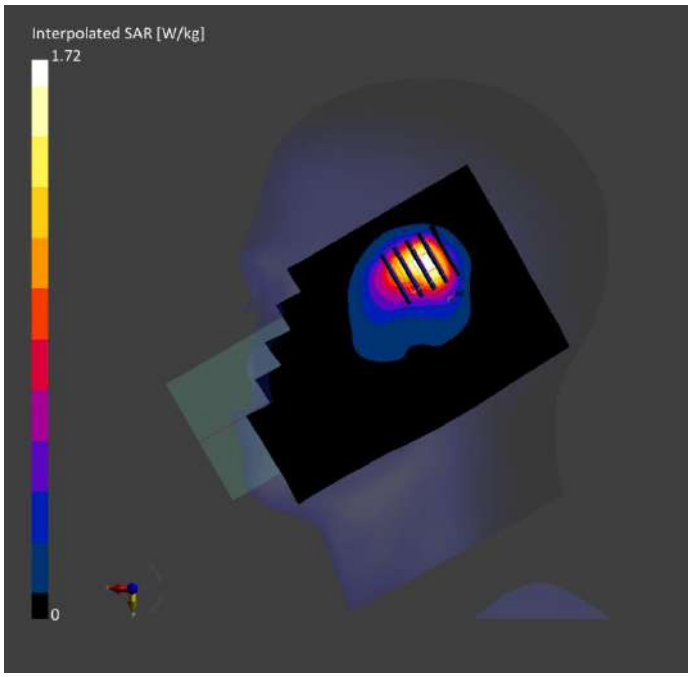
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-03-14	EX3DV4 - SN7510, 2024-06-25	DAE4 Sn1711, 2024-03-18

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	All points	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-03-14	2025-03-14
psSAR1g [W/kg]	0.925	0.880
psSAR10g [W/kg]	0.503	0.470
Power Drift [dB]	-0.12	0.00
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		46.8
Dist 3dB Peak [mm]		8.0


Interpolated SAR [W/kg]
1.72
0

Meas.18 Body Plane with Back Side 15mm on High Channel in LTE Band2 mode with Antenna 0

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	BACK, 15.00	Band 2	LTE-FDD, 10169-CAF	1900.0, 19100	8.33	1.39	40.3	22.2	21.3

Hardware Setup

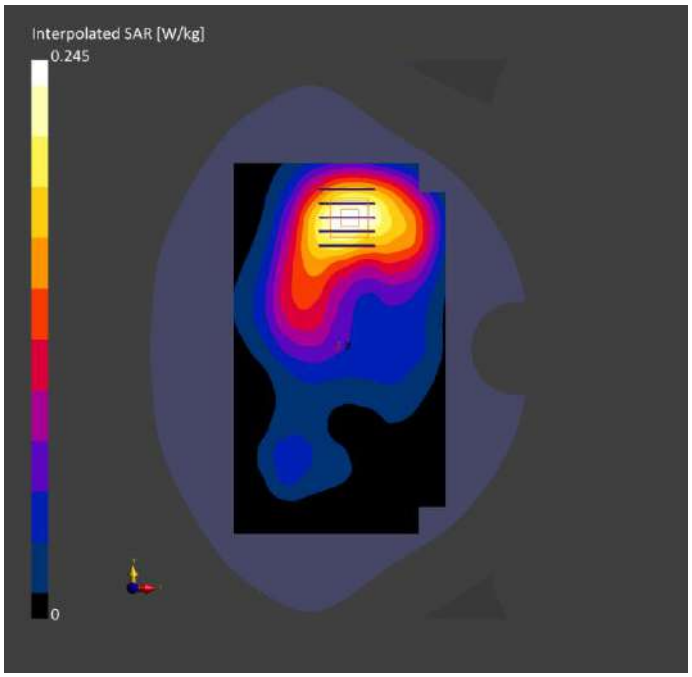
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-03-14	EX3DV4 - SN7510, 2024-06-25	DAE4 Sn1711, 2024-03-18

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	2025-03-14	2025-03-14
psSAR1g [W/kg]	0.162	0.169
psSAR10g [W/kg]	0.099	0.110
Power Drift [dB]	0.00	0.02
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		68.0
Dist 3dB Peak [mm]		> 16.0


Interpolated SAR [W/kg]
0.245
0

Meas.19 Body Plane with Bottom Edge 10mm on High Channel in LTE Band2 mode with Antenna 0

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	EDGE BOTTOM, 10.00	Band 2	LTE-FDD, 10169-CAF	1900.0, 19100	8.33	1.39	40.3	22.2	21.3

Hardware Setup

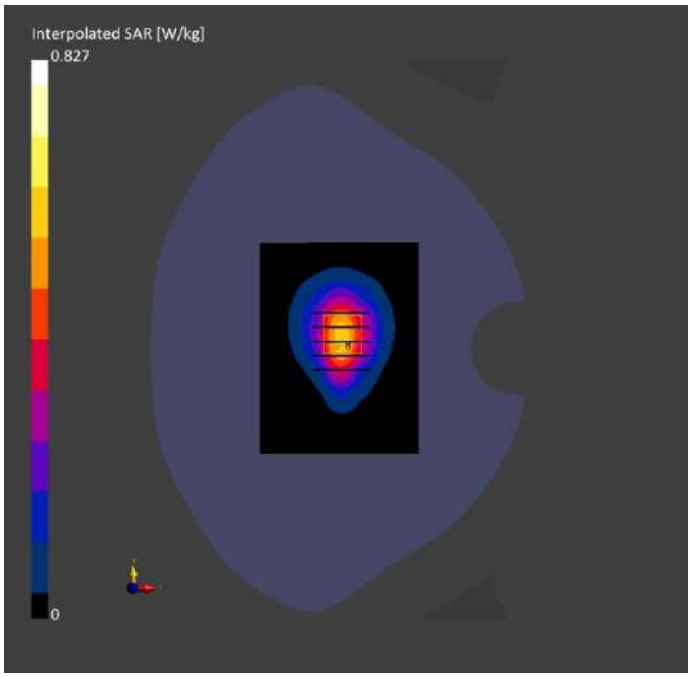
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-03-14	EX3DV4 - SN7510, 2024-06-25	DAE4 Sn1711, 2024-03-18

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	90.0 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 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	2025-03-14	2025-03-14
psSAR1g [W/kg]	0.497	0.521
psSAR10g [W/kg]	0.278	0.303
Power Drift [dB]	0.00	-0.02
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		62.3
Dist 3dB Peak [mm]		12.9


Interpolated SAR [W/kg]
0.827
0

Meas.20 Right Head with Cheek on High Channel in LTE Band4 mode with Antenna 3

Exposure Conditions

Phantom Section, 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	LTE-FDD, 10169-CAF	1745.0, 20300	8.67	1.37	40.5	22.4	21.4

Hardware Setup

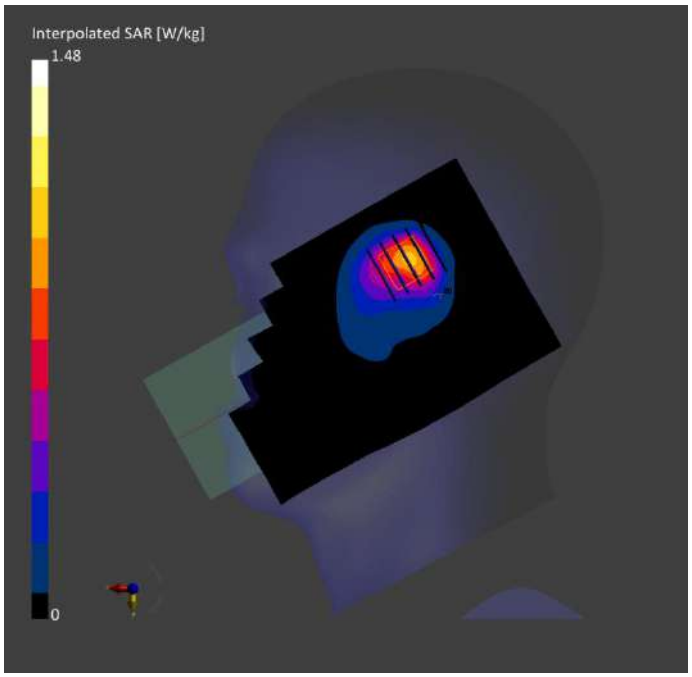
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-03-10	EX3DV4 - SN7510, 2024-06-25	DAE4 Sn1711, 2024-03-18

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	All points	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-03-10	2025-03-10
psSAR1g [W/kg]	0.831	0.785
psSAR10g [W/kg]	0.466	0.436
Power Drift [dB]	0.01	0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		47.0
Dist 3dB Peak [mm]		8.0


Interpolated SAR [W/kg]
1.48
0

Meas.21 Body Plane with Back Side 15mm on High Channel in LTE Band4 mode with Antenna 0

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	BACK, 15.00	Band 4	LTE-FDD, 10169-CAF	1745.0, 20300	8.67	1.37	40.5	22.4	21.4

Hardware Setup

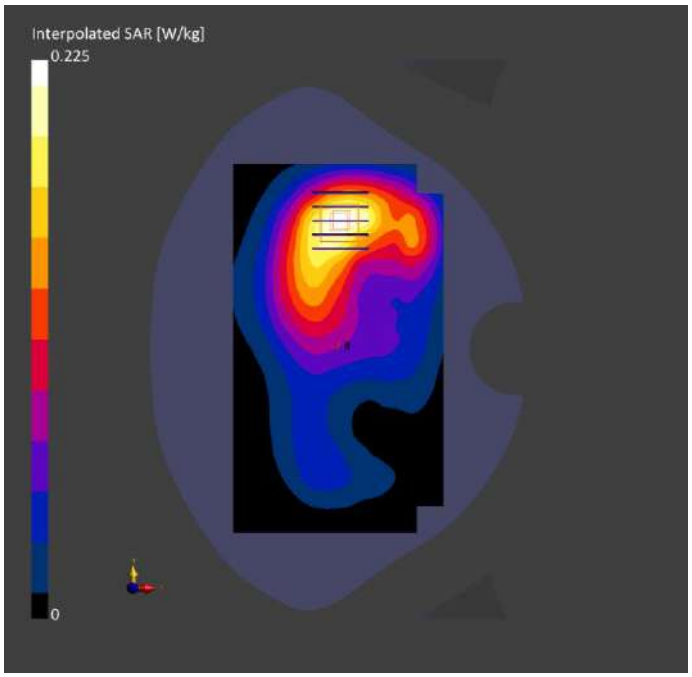
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-03-10	EX3DV4 - SN7510, 2024-06-25	DAE4 Sn1711, 2024-03-18

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	2025-03-10	2025-03-10
psSAR1g [W/kg]	0.152	0.159
psSAR10g [W/kg]	0.093	0.104
Power Drift [dB]	-0.03	-0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		70.0
Dist 3dB Peak [mm]		21.5


Interpolated SAR [W/kg]
0.225
0

Meas.22 Body Plane with Bottom Edge 10mm on High Channel in LTE Band4 mode with Antenna 0

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	EDGE BOTTOM, 10.00	Band 4	LTE-FDD, 10169-CAF	1745.0, 20300	8.67	1.37	40.5	22.4	21.4

Hardware Setup

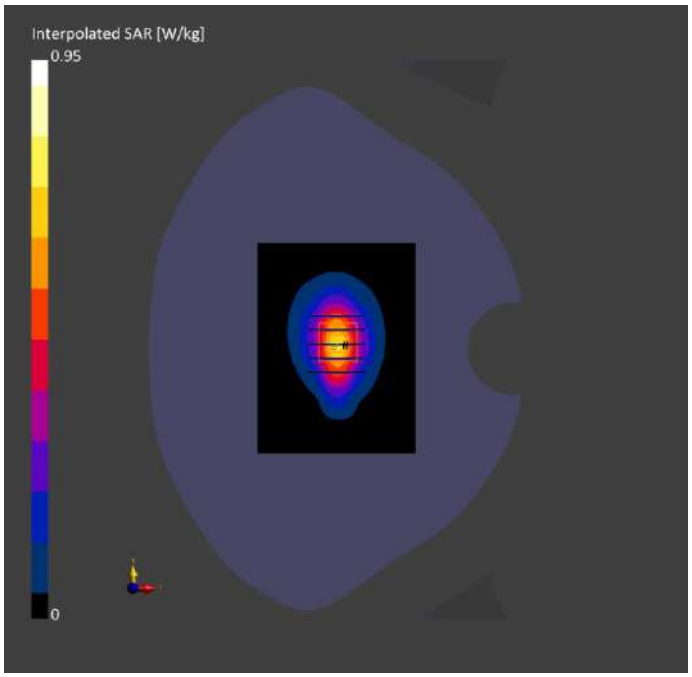
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-03-10	EX3DV4 - SN7510, 2024-06-25	DAE4 Sn1711, 2024-03-18

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	90.0 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 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	2025-03-10	2025-03-10
psSAR1g [W/kg]	0.588	0.608
psSAR10g [W/kg]	0.323	0.354
Power Drift [dB]	0.01	0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		64.3
Dist 3dB Peak [mm]		12.8


Interpolated SAR [W/kg]
0.95
0

Meas.23 Left Head with Cheek on High Channel in LTE Band5 mode with Antenna 1

Exposure Conditions

Phantom Section, 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 5	LTE-FDD, 10175-CAH	844.0, 20600	9.99	0.914	41.4	22.4	21.3

Hardware Setup

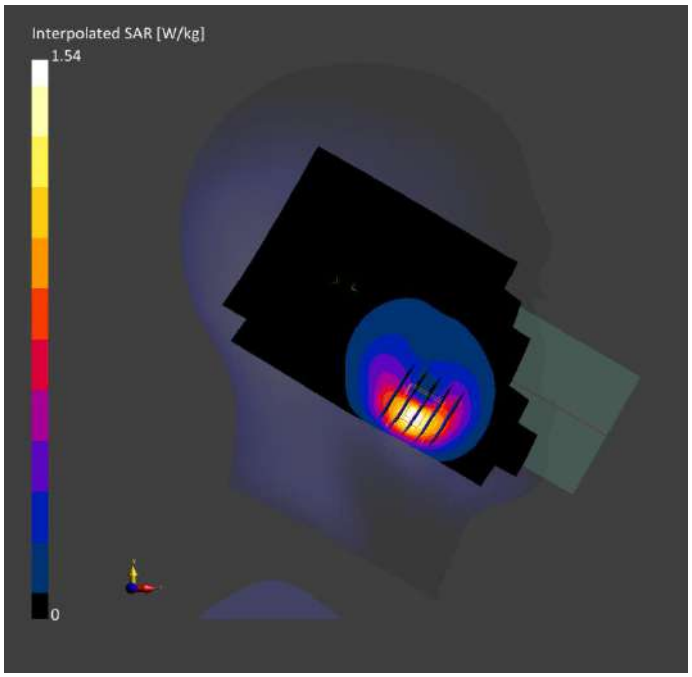
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-03-06	EX3DV4 - SN7510, 2024-06-25	DAE4 Sn1711, 2024-03-18

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	2025-03-06	2025-03-06
psSAR1g [W/kg]	0.809	0.769
psSAR10g [W/kg]	0.433	0.402
Power Drift [dB]	0.00	-0.03
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		54.8
Dist 3dB Peak [mm]		8.2


Interpolated SAR [W/kg]
1.54
0

Meas.24 Body Plane with Back Side 15mm on High Channel in LTE Band5 mode with Antenna 1

Exposure Conditions

Phantom Section, 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	844.0, 20600	9.99	0.914	41.4	22.4	21.3

Hardware Setup

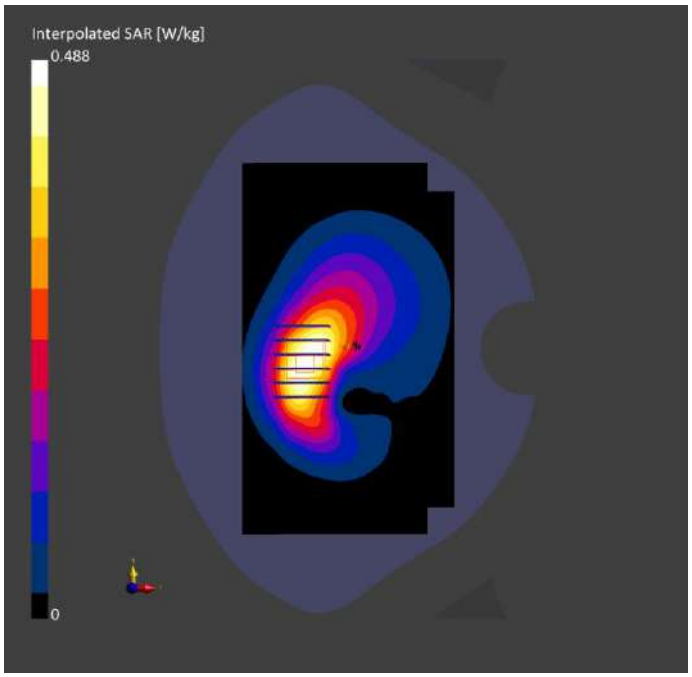
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-03-06	EX3DV4 - SN7510, 2024-06-25	DAE4 Sn1711, 2024-03-18

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	2025-03-06	2025-03-06
psSAR1g [W/kg]	0.301	0.325
psSAR10g [W/kg]	0.200	0.207
Power Drift [dB]	-0.01	0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		66.5
Dist 3dB Peak [mm]		13.7


Interpolated SAR [W/kg]
0.488
0

Meas.25 Body Plane with Right Edge 10mm on High Channel in LTE Band5 mode with Antenna 1

Exposure Conditions

Phantom Section, 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, 10.00	Band 5	LTE-FDD, 10175-CAH	844.0, 20600	9.99	0.914	41.4	22.4	21.3

Hardware Setup

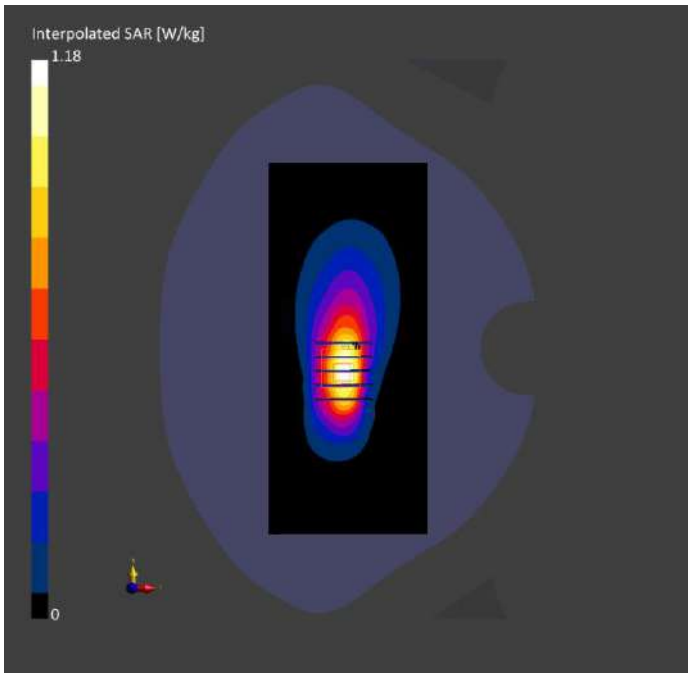
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-03-06	EX3DV4 - SN7510, 2024-06-25	DAE4 Sn1711, 2024-03-18

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	90.0 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	2025-03-06	2025-03-06
psSAR1g [W/kg]	0.667	0.708
psSAR10g [W/kg]	0.398	0.404
Power Drift [dB]	0.04	-0.02
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		59.2
Dist 3dB Peak [mm]		9.6


Interpolated SAR [W/kg]
1.18
0

Meas.26 Right Head with Tilt on High Channel in LTE Band7 mode with Antenna 3

Exposure Conditions

Phantom Section, 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 7	LTE-FDD, 10169-CAF	2560.0, 21350	7.06	1.92	39.2	22.3	21.5

Hardware Setup

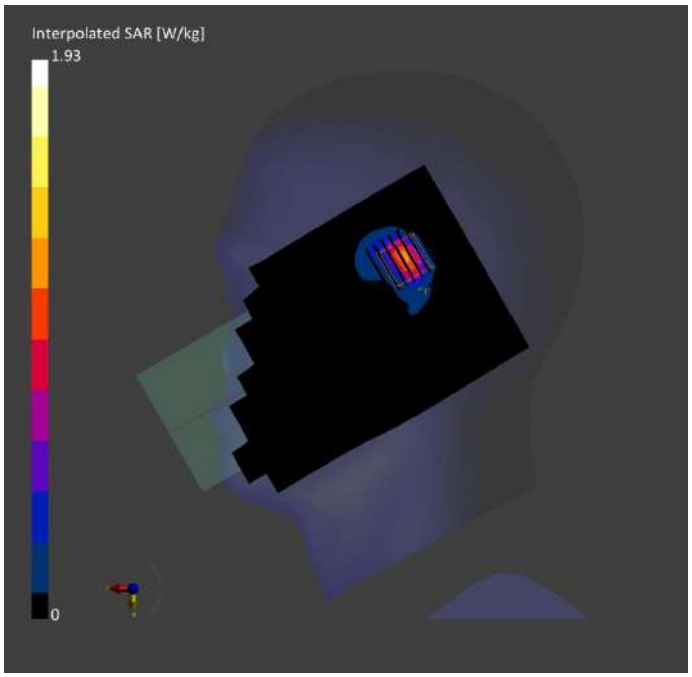
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-03-16	EX3DV4 - SN7893, 2024-09-05	DAE4 Sn1710, 2025-01-20

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	2025-03-16	2025-03-16
psSAR1g [W/kg]	0.866	0.896
psSAR10g [W/kg]	0.358	0.348
Power Drift [dB]	-0.02	-0.02
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		44.4
Dist 3dB Peak [mm]		6.0


Interpolated SAR [W/kg]
1.93
0

Meas.27 Body Plane with Front Side 15mm on High Channel in LTE Band7 mode with Antenna 3

Exposure Conditions

Phantom Section, 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, 15.00	Band 7	LTE-FDD, 10169-CAF	2560.0, 21350	7.06	1.92	39.2	22.3	21.5

Hardware Setup

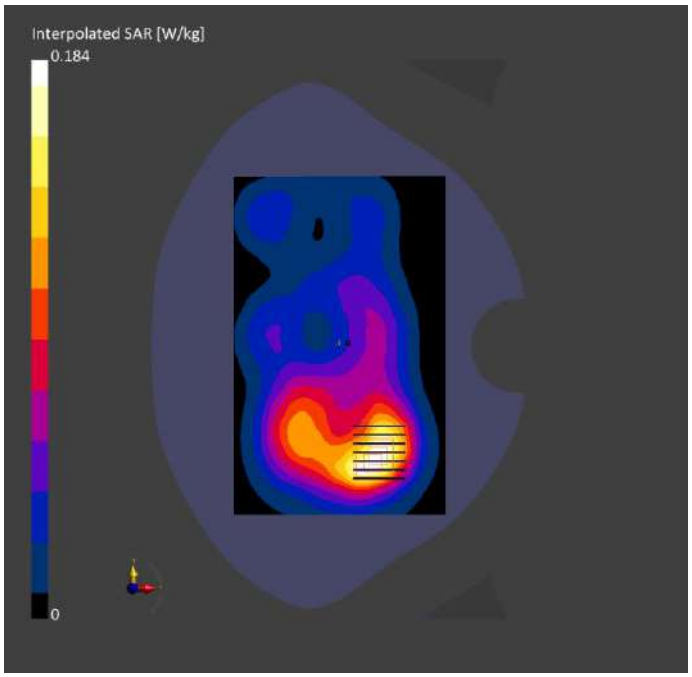
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-03-16	EX3DV4 - SN7893, 2024-09-05	DAE4 Sn1710, 2025-01-20

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	2025-03-16	2025-03-16
psSAR1g [W/kg]	0.096	0.096
psSAR10g [W/kg]	0.053	0.051
Power Drift [dB]	0.00	0.02
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		49.4
Dist 3dB Peak [mm]		13.0


Interpolated SAR [W/kg]
0.184
0

Meas.28 Body Plane with Top Edge 10mm on High Channel in LTE Band7 mode with Antenna 3

Exposure Conditions

Phantom Section, 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 7	LTE-FDD, 10169-CAF	2560.0, 21350	7.06	1.92	39.2	22.3	21.5

Hardware Setup

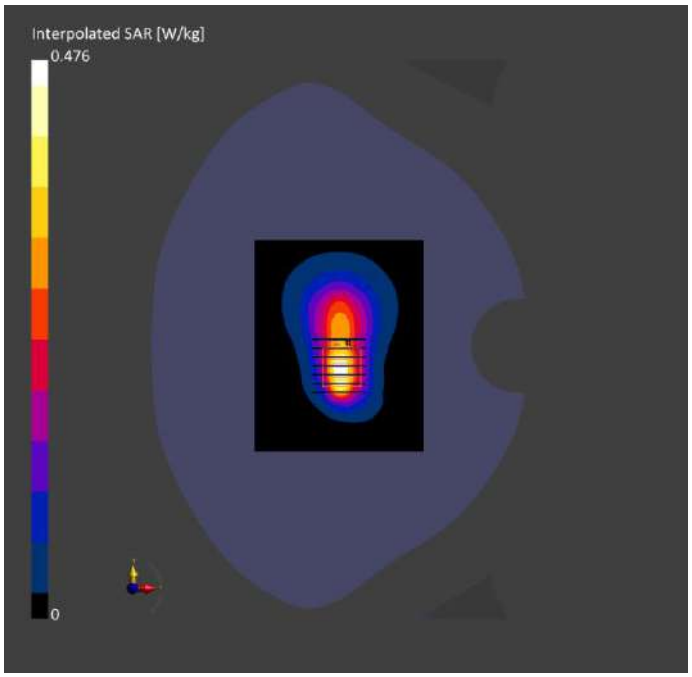
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-03-16	EX3DV4 - SN7893, 2024-09-05	DAE4 Sn1710, 2025-01-20

Scan Setup

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

Measurement Results

	Area Scan	Zoom Scan
Date	2025-03-16	2025-03-16
psSAR1g [W/kg]	0.231	0.247
psSAR10g [W/kg]	0.106	0.114
Power Drift [dB]	0.06	-0.03
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		53.2
Dist 3dB Peak [mm]		8.2


Interpolated SAR [W/kg]
0.476
0

Meas.29 Left Head with Cheek on High Channel in LTE Band12 mode with Antenna 1

Exposure Conditions

Phantom Section, 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 12	LTE-FDD, 10175-CAH	711.0, 23130	10.29	0.885	42.0	22.2	21.3

Hardware Setup

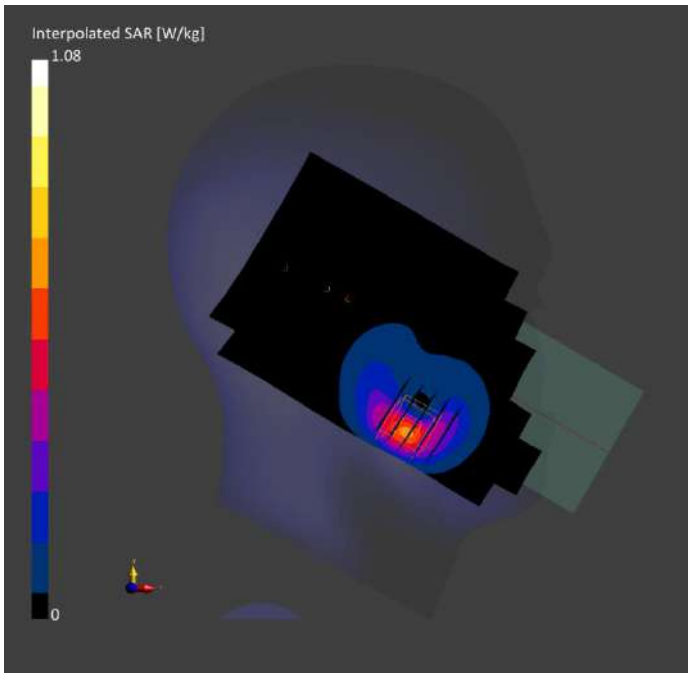
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-03-03	EX3DV4 - SN7510, 2024-06-25	DAE4 Sn1711, 2024-03-18

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	All points	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-03-03	2025-03-03
psSAR1g [W/kg]	0.529	0.562
psSAR10g [W/kg]	0.310	0.290
Power Drift [dB]	-0.01	-0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		52.5
Dist 3dB Peak [mm]		9.2


Interpolated SAR [W/kg]
1.08
0

Meas.30 Body Plane with Back Side 15mm on High Channel in LTE Band12 mode with Antenna 0

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	BACK, 15.00	Band 12	LTE-FDD, 10175-CAH	711.0, 23130	10.29	0.885	42.0	22.2	21.3

Hardware Setup

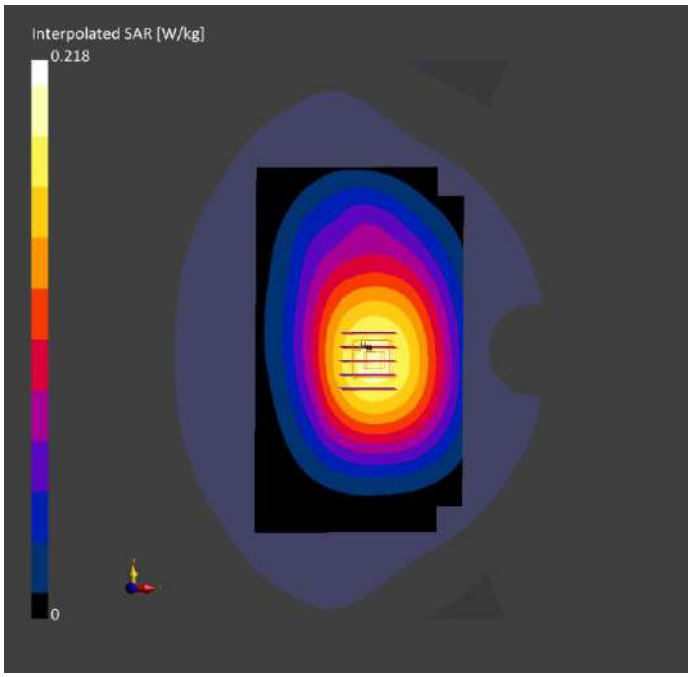
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-03-03	EX3DV4 - SN7510, 2024-06-25	DAE4 Sn1711, 2024-03-18

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	2025-03-03	2025-03-03
psSAR1g [W/kg]	0.169	0.178
psSAR10g [W/kg]	0.121	0.141
Power Drift [dB]	0.04	0.03
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		81.3
Dist 3dB Peak [mm]		> 16.0


Interpolated SAR [W/kg]
0.218
0

Meas.31 Body Plane with Right Edge 10mm on High Channel in LTE Band12 mode with Antenna 1

Exposure Conditions

Phantom Section, 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, 10.00	Band 12	LTE-FDD, 10175-CAH	711.0, 23130	10.29	0.885	42.0	22.2	21.3

Hardware Setup

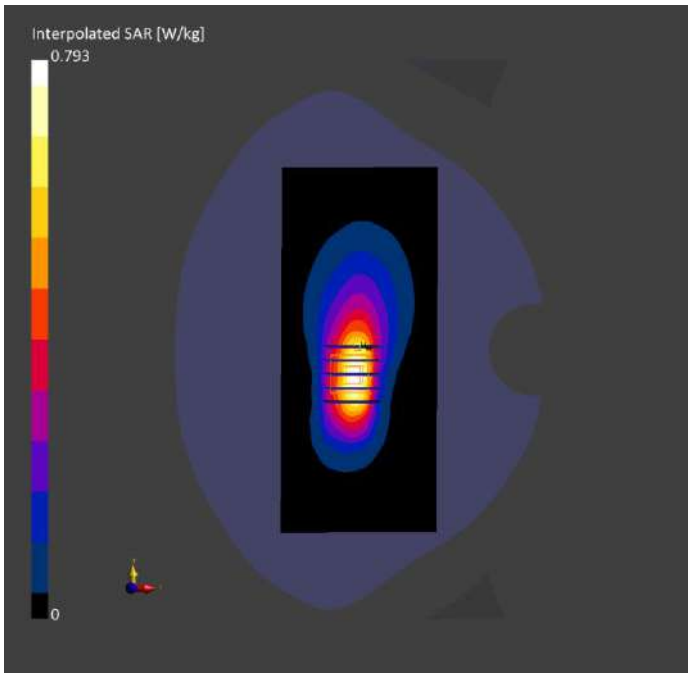
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-03-03	EX3DV4 - SN7510, 2024-06-25	DAE4 Sn1711, 2024-03-18

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	90.0 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	2025-03-03	2025-03-03
psSAR1g [W/kg]	0.468	0.496
psSAR10g [W/kg]	0.287	0.294
Power Drift [dB]	0.01	-0.02
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		62.2
Dist 3dB Peak [mm]		9.6


Interpolated SAR [W/kg]
0.793
0

Meas.32 Left Head with Cheek on Middle Channel in LTE Band13 mode with Antenna 1

Exposure Conditions

Phantom Section, 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 13	LTE-FDD, 10175-CAH	782.0, 23230	10.29	0.914	40.9	22.2	21.3

Hardware Setup

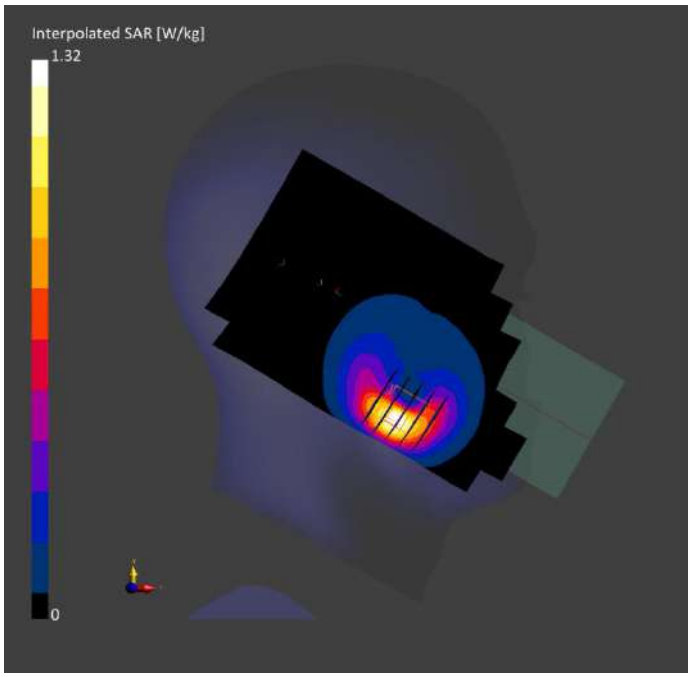
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-03-03	EX3DV4 - SN7510, 2024-06-25	DAE4 Sn1711, 2024-03-18

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	All points	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-03-03	2025-03-03
psSAR1g [W/kg]	0.712	0.728
psSAR10g [W/kg]	0.411	0.382
Power Drift [dB]	-0.02	0.00
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		56.8
Dist 3dB Peak [mm]		9.9


Interpolated SAR [W/kg]
1.32
0

Meas.33 Body Plane with Back Side 15mm on Middle Channel in LTE Band13 mode with Antenna 1

Exposure Conditions

Phantom Section, 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 13	LTE-FDD, 10175-CAH	782.0, 23230	10.29	0.914	40.9	22.2	21.3

Hardware Setup

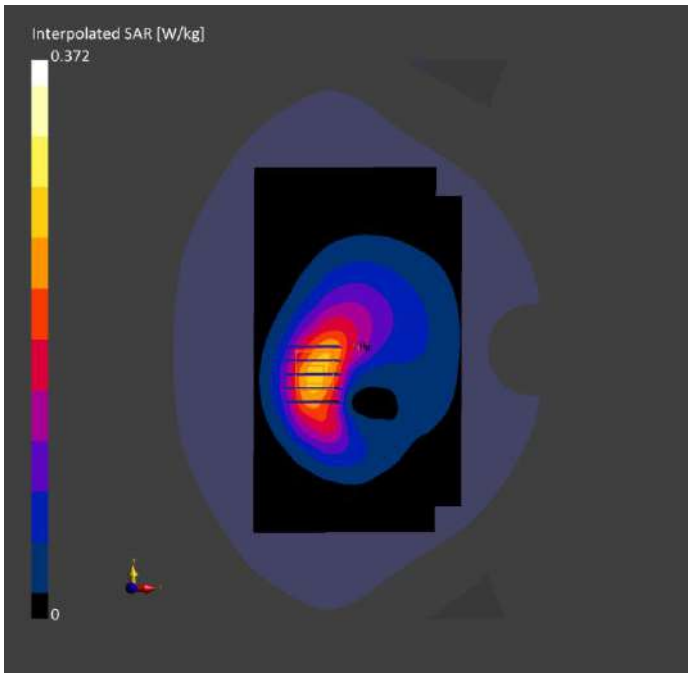
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-03-03	EX3DV4 - SN7510, 2024-06-25	DAE4 Sn1711, 2024-03-18

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	2025-03-03	2025-03-03
psSAR1g [W/kg]	0.235	0.251
psSAR10g [W/kg]	0.156	0.162
Power Drift [dB]	0.01	-0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		67.4
Dist 3dB Peak [mm]		12.9


Interpolated SAR [W/kg]
0.372
0

Meas.34 Body Plane with Right Edge 10mm on Middle Channel in LTE Band13 mode with Antenna 1

Exposure Conditions

Phantom Section, 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, 10.00	Band 13	LTE-FDD, 10175-CAH	782.0, 23230	10.29	0.914	40.9	22.2	21.3

Hardware Setup

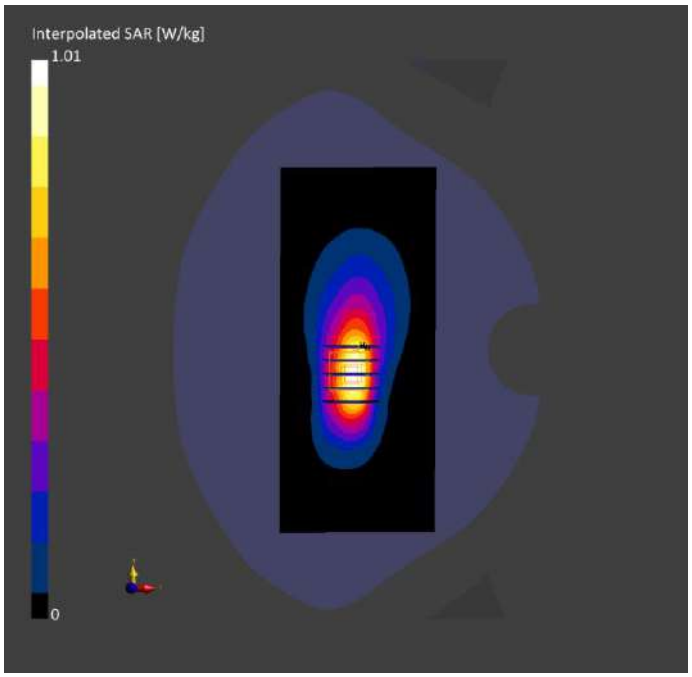
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-03-03	EX3DV4 - SN7510, 2024-06-25	DAE4 Sn1711, 2024-03-18

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	90.0 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	2025-03-03	2025-03-03
psSAR1g [W/kg]	0.585	0.618
psSAR10g [W/kg]	0.355	0.362
Power Drift [dB]	0.00	-0.02
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		61.0
Dist 3dB Peak [mm]		9.6


Interpolated SAR [W/kg]
1.01
0

Meas.35 Left Head with Cheek on High Channel in LTE Band17 mode with Antenna 1

Exposure Conditions

Phantom Section, 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 17	LTE-FDD, 10175-CAH	711.0, 23800	10.29	0.896	42.6	22.3	21.3

Hardware Setup

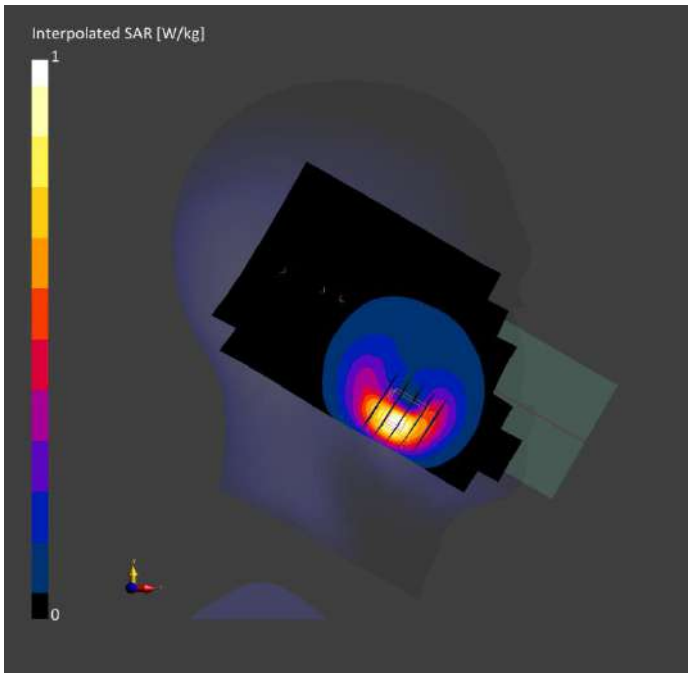
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-03-04	EX3DV4 - SN7510, 2024-06-25	DAE4 Sn1711, 2024-03-18

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	All points	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-03-04	2025-03-04
psSAR1g [W/kg]	0.525	0.542
psSAR10g [W/kg]	0.307	0.285
Power Drift [dB]	-0.01	0.00
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		56.7
Dist 3dB Peak [mm]		10.0


Interpolated SAR [W/kg]
1
0

Meas.36 Body Plane with Back Side 15mm on High Channel in LTE Band17 mode with Antenna 0

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	BACK, 15.00	Band 17	LTE-FDD, 10175-CAH	711.0, 23800	10.29	0.896	42.6	22.3	21.3

Hardware Setup

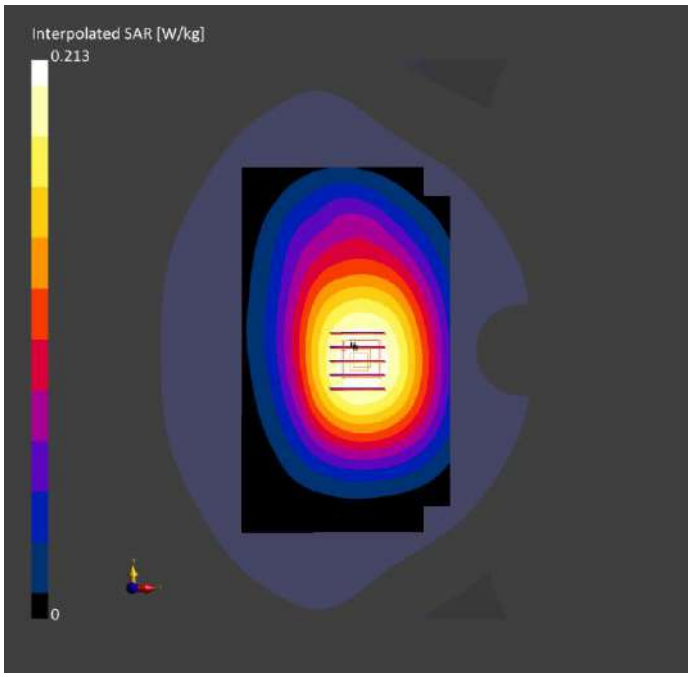
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-03-04	EX3DV4 - SN7510, 2024-06-25	DAE4 Sn1711, 2024-03-18

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	2025-03-04	2025-03-04
psSAR1g [W/kg]	0.164	0.174
psSAR10g [W/kg]	0.118	0.137
Power Drift [dB]	0.03	0.02
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		81.7
Dist 3dB Peak [mm]		> 16.0


Interpolated SAR [W/kg]
0.213
0

Meas.37 Body Plane with Right Edge 10mm on High Channel in LTE Band17 mode with Antenna 1

Exposure Conditions

Phantom Section, 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, 10.00	Band 17	LTE-FDD, 10175-CAH	711.0, 23800	10.29	0.896	42.6	22.3	21.3

Hardware Setup

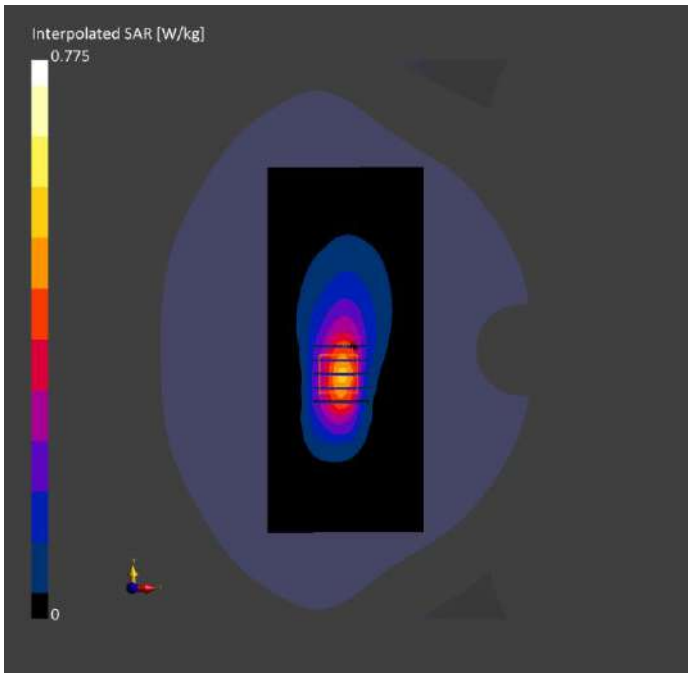
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-03-04	EX3DV4 - SN7510, 2024-06-25	DAE4 Sn1711, 2024-03-18

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	90.0 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	2025-03-04	2025-03-04
psSAR1g [W/kg]	0.457	0.485
psSAR10g [W/kg]	0.281	0.288
Power Drift [dB]	0.02	-0.02
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		62.3
Dist 3dB Peak [mm]		9.6


Interpolated SAR [W/kg]
0.775
0

Meas.38 Left Head with Cheek on High Channel in LTE Band26 mode with Antenna 1

Exposure Conditions

Phantom Section, 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 26	LTE-FDD, 10181-CAF	841.5, 26965	9.99	0.915	41.1	22.5	21.6

Hardware Setup

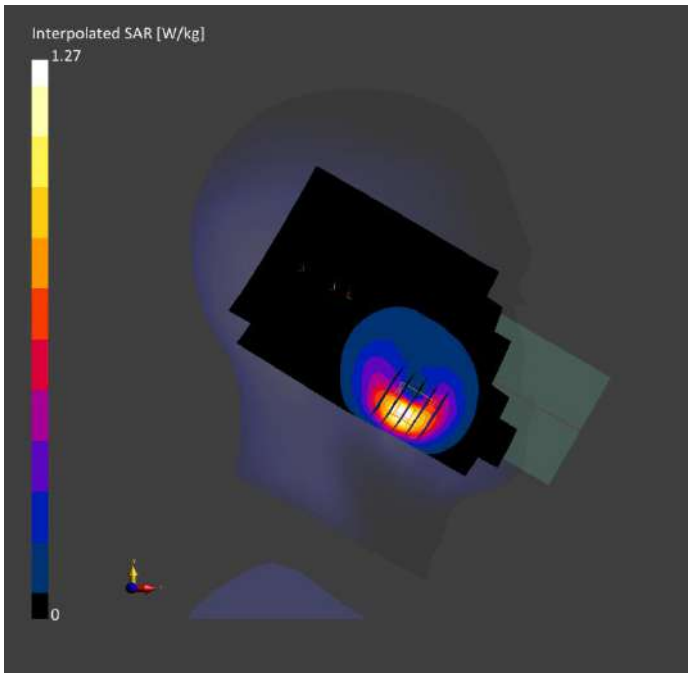
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-03-07	EX3DV4 - SN7510, 2024-06-25	DAE4 Sn1711, 2024-03-18

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	2025-03-07	2025-03-07
psSAR1g [W/kg]	0.752	0.743
psSAR10g [W/kg]	0.430	0.401
Power Drift [dB]	0.01	0.00
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		60.1
Dist 3dB Peak [mm]		10.4


Interpolated SAR [W/kg]
1.27
0

Meas.39 Body Plane with Back Side 15mm on High Channel in LTE Band26 mode with Antenna 1

Exposure Conditions

Phantom Section, 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 26	LTE-FDD, 10181-CAF	841.5, 26965	9.99	0.915	41.1	22.5	21.6

Hardware Setup

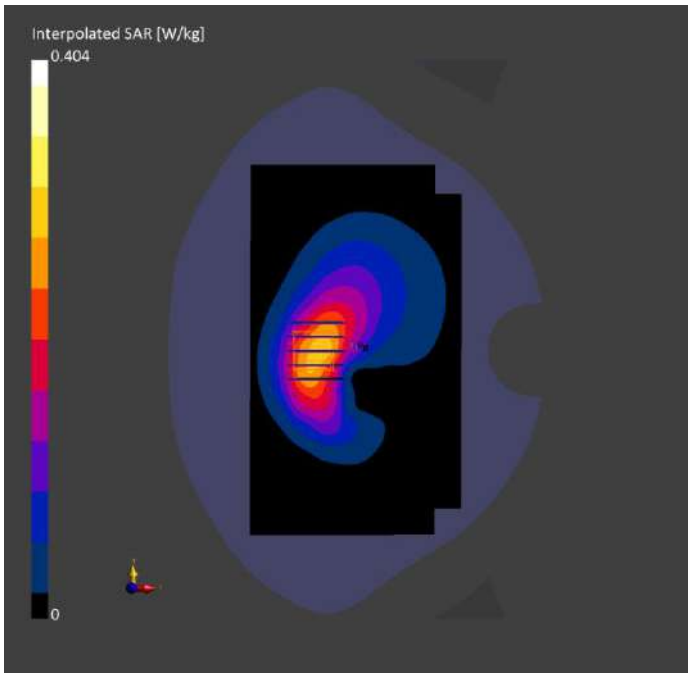
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-03-07	EX3DV4 - SN7510, 2024-06-25	DAE4 Sn1711, 2024-03-18

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	2025-03-07	2025-03-07
psSAR1g [W/kg]	0.255	0.269
psSAR10g [W/kg]	0.168	0.171
Power Drift [dB]	-0.01	-0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		65.9
Dist 3dB Peak [mm]		14.3


Interpolated SAR [W/kg]
0.404
0

Meas.40 Body Plane with Right Edge 10mm on High Channel in LTE Band26 mode with Antenna 1

Exposure Conditions

Phantom Section, 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, 10.00	Band 26	LTE-FDD, 10181-CAF	841.5, 26965	9.99	0.915	41.1	22.5	21.6

Hardware Setup

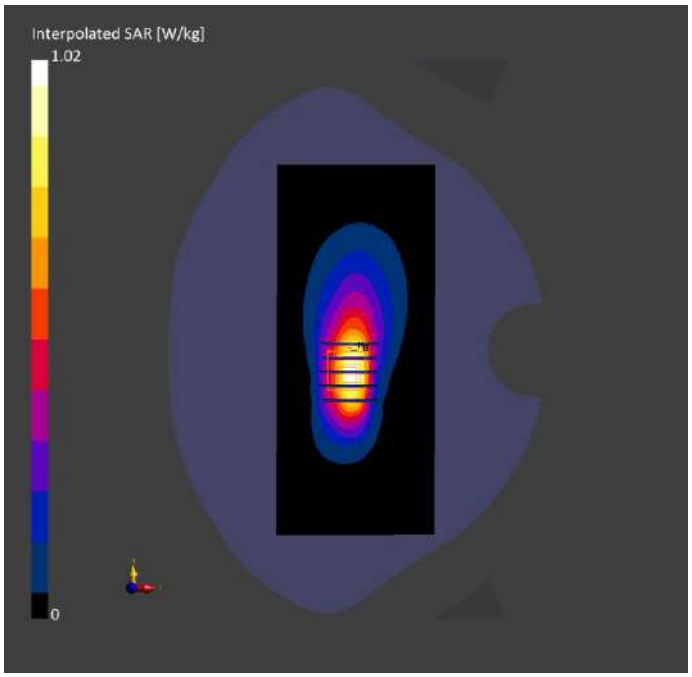
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-03-07	EX3DV4 - SN7510, 2024-06-25	DAE4 Sn1711, 2024-03-18

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	90.0 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	2025-03-07	2025-03-07
psSAR1g [W/kg]	0.578	0.614
psSAR10g [W/kg]	0.345	0.351
Power Drift [dB]	0.01	0.02
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		59.7
Dist 3dB Peak [mm]		9.6


Interpolated SAR [W/kg]
1.02
0

Meas.41 Right Head with Cheek on High Channel in LTE Band66 mode with Antenna 3

Exposure Conditions

Phantom Section, 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 66	LTE-FDD, 10169-CAF	1770.0, 132572	8.67	1.41	39.6	22.3	21.2

Hardware Setup

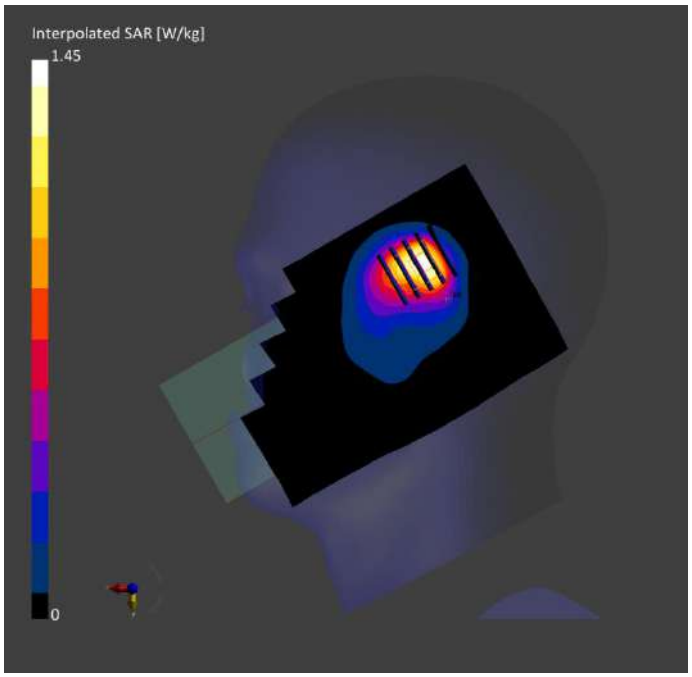
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-03-11	EX3DV4 - SN7510, 2024-06-25	DAE4 Sn1711, 2024-03-18

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	All points	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-03-11	2025-03-11
psSAR1g [W/kg]	0.804	0.763
psSAR10g [W/kg]	0.449	0.421
Power Drift [dB]	0.02	0.00
Power Scaling Scaling Factor [dB]	Disabled	Disabled
TSL Correction	No correction	No correction
M2/M1 [%]		47.2
Dist 3dB Peak [mm]		7.2


Interpolated SAR [W/kg]
1.45
0

Meas.42 Body Plane with Back Side 15mm on High Channel in LTE Band66 mode with Antenna 0

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	BACK, 15.00	Band 66	LTE-FDD, 10169-CAF	1770.0, 132572	8.67	1.41	39.6	22.3	21.2

Hardware Setup

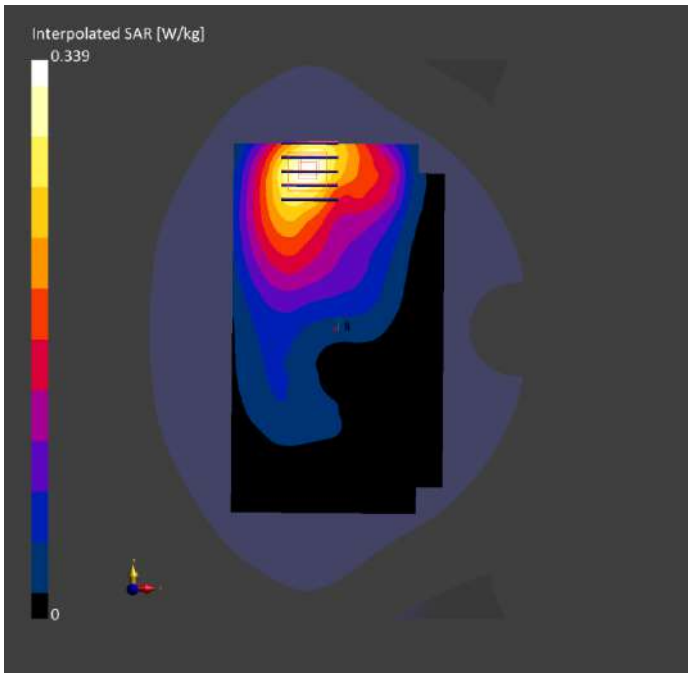
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-03-11	EX3DV4 - SN7510, 2024-06-25	DAE4 Sn1711, 2024-03-18

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	2025-03-11	2025-03-11
psSAR1g [W/kg]	0.214	0.222
psSAR10g [W/kg]	0.131	0.141
Power Drift [dB]	0.00	0.00
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		65.0
Dist 3dB Peak [mm]		26.2


Interpolated SAR [W/kg]
0.339
0

Meas.43 Body Plane with Bottom Edge 10mm on High Channel in LTE Band66 mode with Antenna 0

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	EDGE BOTTOM, 10.00	Band 66	LTE-FDD, 10169-CAF	1770.0, 132572	8.67	1.41	39.6	22.3	21.2

Hardware Setup

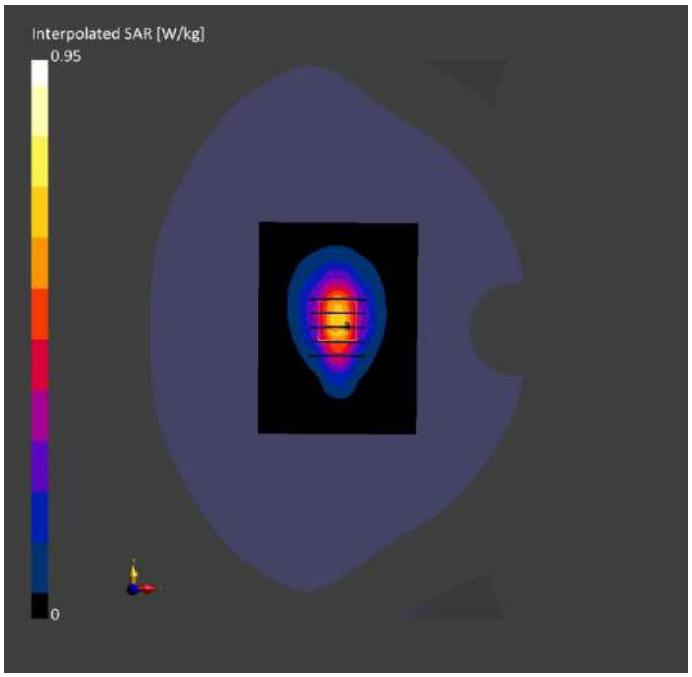
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-03-11	EX3DV4 - SN7510, 2024-06-25	DAE4 Sn1711, 2024-03-18

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	90.0 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 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	2025-03-11	2025-03-11
psSAR1g [W/kg]	0.582	0.606
psSAR10g [W/kg]	0.320	0.352
Power Drift [dB]	0.00	0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		63.8
Dist 3dB Peak [mm]		12.8


Interpolated SAR [W/kg]
0.95
0

Meas.44 Body Plane with Bottom Edge 0mm on High Channel in LTE Band66 mode with Antenna 0

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	EDGE BOTTOM, 0.00	Band 66	LTE-FDD, 10169-CAF	1770.0, 132572	8.67	1.41	39.6	22.3	21.2

Hardware Setup

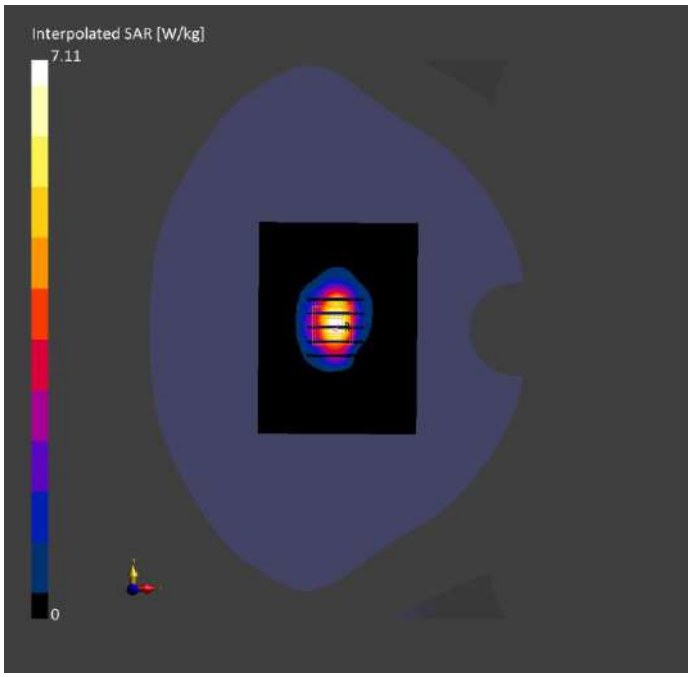
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-03-11	EX3DV4 - SN7510, 2024-06-25	DAE4 Sn1711, 2024-03-18

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	90.0 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 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	2025-03-11	2025-03-11
psSAR1g [W/kg]	3.18	3.53
psSAR10g [W/kg]	1.61	1.73
Power Drift [dB]	0.01	-0.02
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		46.1
Dist 3dB Peak [mm]		6.6


Interpolated SAR [W/kg]
7.11
0

Meas.45 Right Head with Tilt on High Channel in LTE Band38 mode with Antenna 3

Exposure Conditions

Phantom Section, 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 38	LTE-TDD, 10172-CAH	2610.0, 38150	7.06	2.03	39.1	22.4	21.4

Hardware Setup

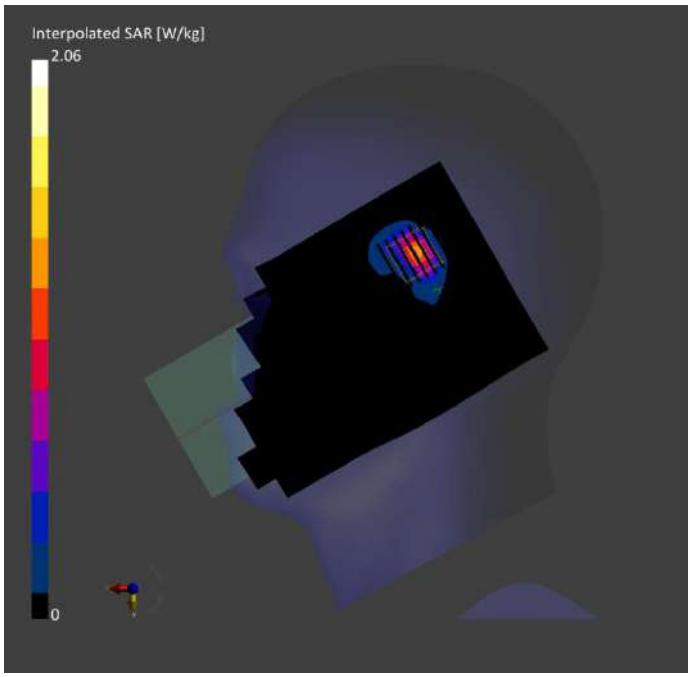
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-03-17	EX3DV4 - SN7893, 2024-09-05	DAE4 Sn1710, 2025-01-20

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	All points	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-03-17	2025-03-17
psSAR1g [W/kg]	0.911	0.897
psSAR10g [W/kg]	0.362	0.346
Power Drift [dB]	0.03	-0.03
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		42.5
Dist 3dB Peak [mm]		5.0


Interpolated SAR [W/kg]
2.06
0

Meas.46 Body Plane with Front Side 15mm on High Channel in LTE Band38 mode with Antenna 3

Exposure Conditions

Phantom Section, 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, 15.00	Band 38	LTE-TDD, 10172-CAH	2610.0, 38150	7.06	2.03	39.1	22.4	21.4

Hardware Setup

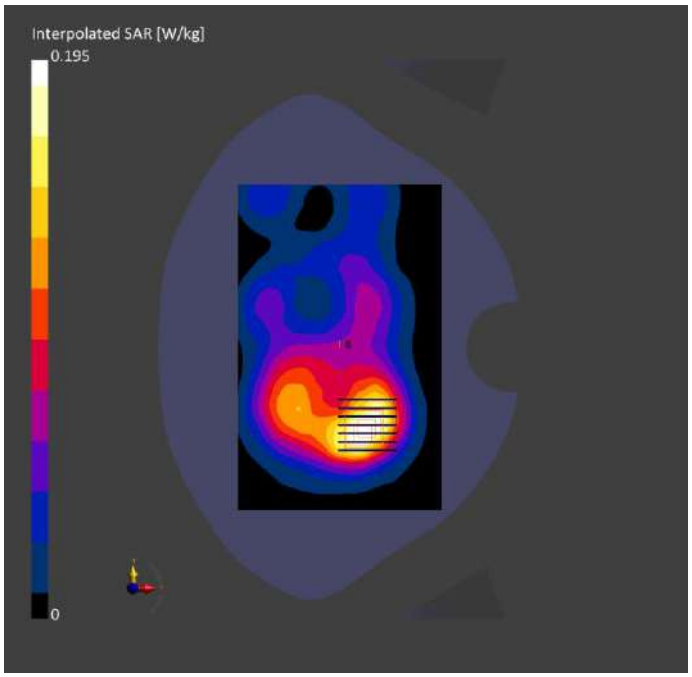
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-03-17	EX3DV4 - SN7893, 2024-09-05	DAE4 Sn1710, 2025-01-20

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	2025-03-17	2025-03-17
psSAR1g [W/kg]	0.098	0.101
psSAR10g [W/kg]	0.055	0.054
Power Drift [dB]	0.05	0.04
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		49.4
Dist 3dB Peak [mm]		13.0


Interpolated SAR [W/kg]
0.195
0

Meas.47 Body Plane with Top Edge 10mm on High Channel in LTE Band38 mode with Antenna 3

Exposure Conditions

Phantom Section, 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 38	LTE-TDD, 10172-CAH	2610.0, 38150	7.06	2.03	39.1	22.4	21.4

Hardware Setup

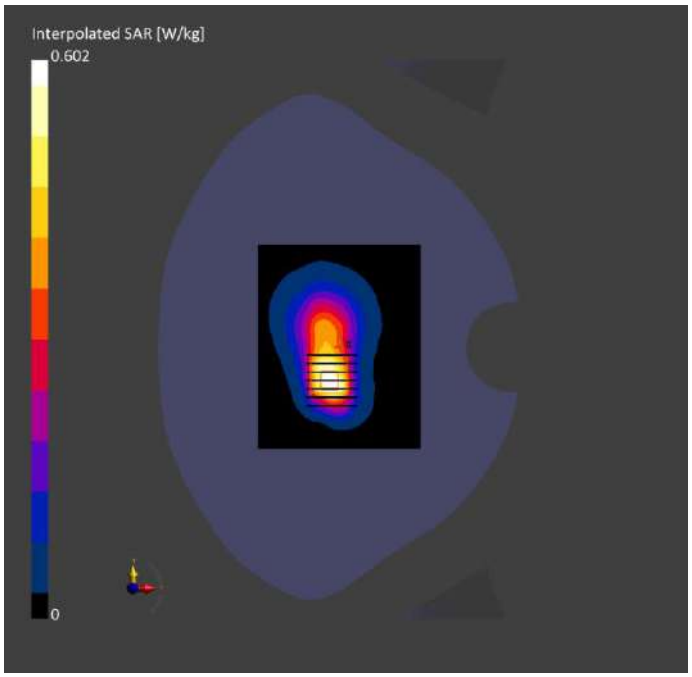
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-03-17	EX3DV4 - SN7893, 2024-09-05	DAE4 Sn1710, 2025-01-20

Scan Setup

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

Measurement Results

	Area Scan	Zoom Scan
Date	2025-03-17	2025-03-17
psSAR1g [W/kg]	0.258	0.294
psSAR10g [W/kg]	0.129	0.130
Power Drift [dB]	0.02	0.03
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		48.8
Dist 3dB Peak [mm]		8.9


Interpolated SAR [W/kg]
0.602
0

Meas.48 Right Head with Tilt on High Channel in LTE Band41 mode with Antenna 3

Exposure Conditions

Phantom Section, 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 41	LTE-TDD, 10172-CAH	2636.5, 41055	7.06	2.01	38.3	22.4	21.4

Hardware Setup

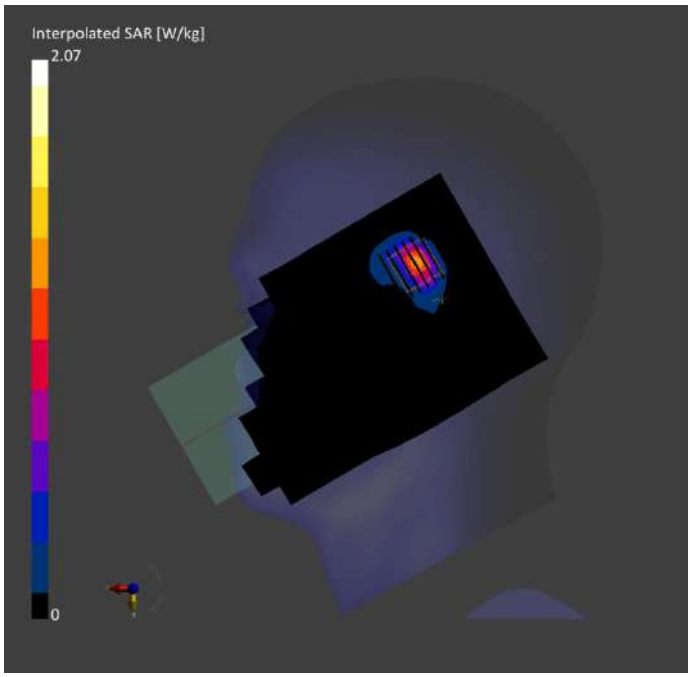
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-03-18	EX3DV4 - SN7893, 2024-09-05	DAE4 Sn1710, 2025-01-20

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	All points	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-03-18	2025-03-18
psSAR1g [W/kg]	0.918	0.893
psSAR10g [W/kg]	0.361	0.344
Power Drift [dB]	-0.05	0.00
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		42.3
Dist 3dB Peak [mm]		5.0


Interpolated SAR [W/kg]
2.07
0

Meas.49 Body Plane with Front Side 15mm on High Channel in LTE Band41 mode with Antenna 3

Exposure Conditions

Phantom Section, 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, 15.00	Band 41	LTE-TDD, 10172-CAH	2680.0, 41490	7.06	2.06	38.2	22.4	21.4

Hardware Setup

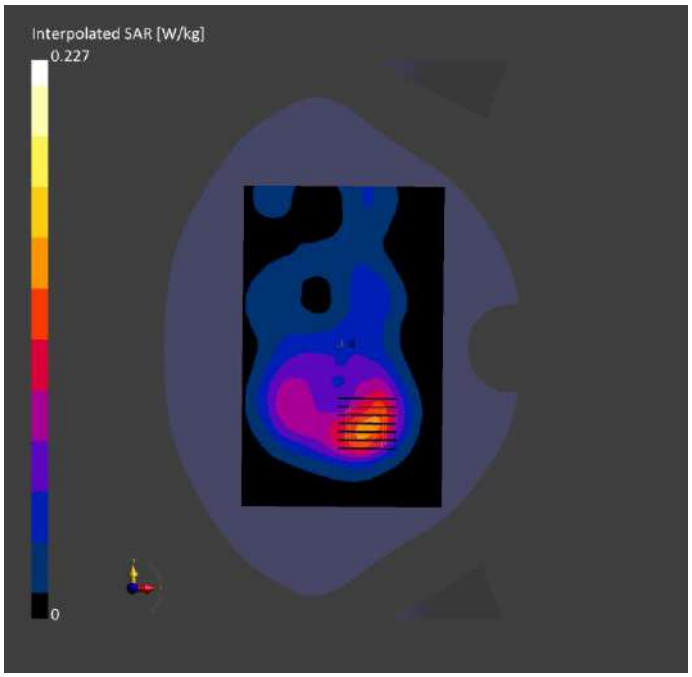
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-03-18	EX3DV4 - SN7893, 2024-09-05	DAE4 Sn1710, 2025-01-20

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	2025-03-18	2025-03-18
psSAR1g [W/kg]	0.113	0.116
psSAR10g [W/kg]	0.062	0.062
Power Drift [dB]	-0.04	0.00
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		47.8
Dist 3dB Peak [mm]		13.0


Interpolated SAR [W/kg]
0.227
0

Meas.50 Body Plane with Top Edge 10mm on High Channel in LTE Band41 mode with Antenna 3

Exposure Conditions

Phantom Section, 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 41	LTE-TDD, 10172-CAH	2680.0, 41490	7.06	2.06	38.2	22.4	21.4

Hardware Setup

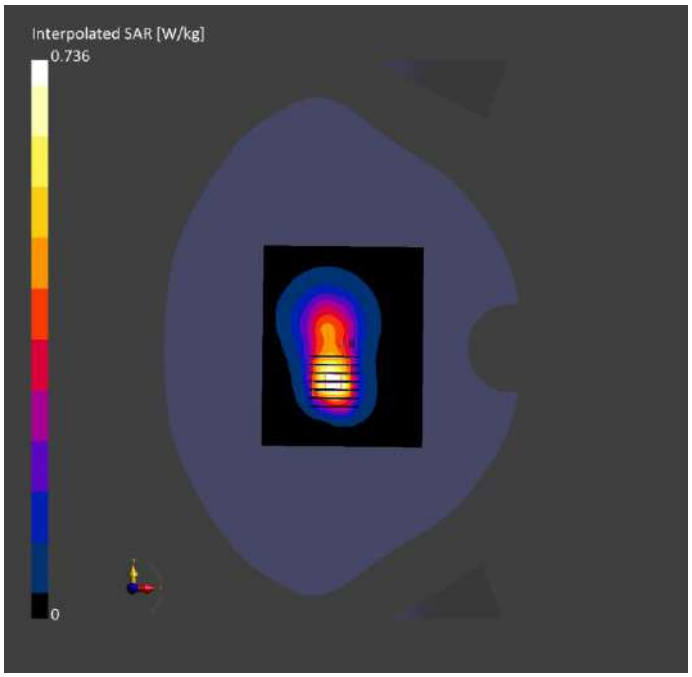
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-03-18	EX3DV4 - SN7893, 2024-09-05	DAE4 Sn1710, 2025-01-20

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	2025-03-18	2025-03-18
psSAR1g [W/kg]	0.318	0.356
psSAR10g [W/kg]	0.155	0.157
Power Drift [dB]	-0.01	0.00
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		48.1
Dist 3dB Peak [mm]		9.0


Interpolated SAR [W/kg]
0.736
0

Meas.51 Left Head with Cheek on 167800 Channel in NR Band5 mode with Antenna 1

Exposure Conditions

Phantom Section, 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 n5	5G NR FR1 FDD, 10931-AAC	839.0, 167800	9.99	0.911	41.7	22.4	21.3

Hardware Setup

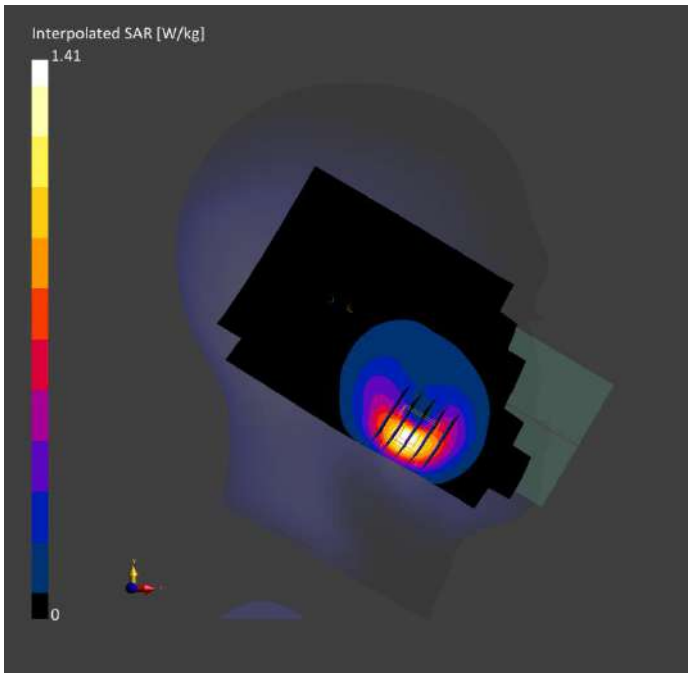
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-03-08	EX3DV4 - SN7510, 2024-06-25	DAE4 Sn1711, 2024-03-18

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	2025-03-08	2025-03-08
psSAR1g [W/kg]	0.748	0.750
psSAR10g [W/kg]	0.427	0.395
Power Drift [dB]	0.01	-0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		54.8
Dist 3dB Peak [mm]		8.2


Interpolated SAR [W/kg]
1.41
0

Meas.52 Body Plane with Back Side 15mm on 167800 Channel in NR Band5 mode with Antenna 1

Exposure Conditions

Phantom Section, 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	839.0, 167800	9.99	0.911	41.7	22.4	21.3

Hardware Setup

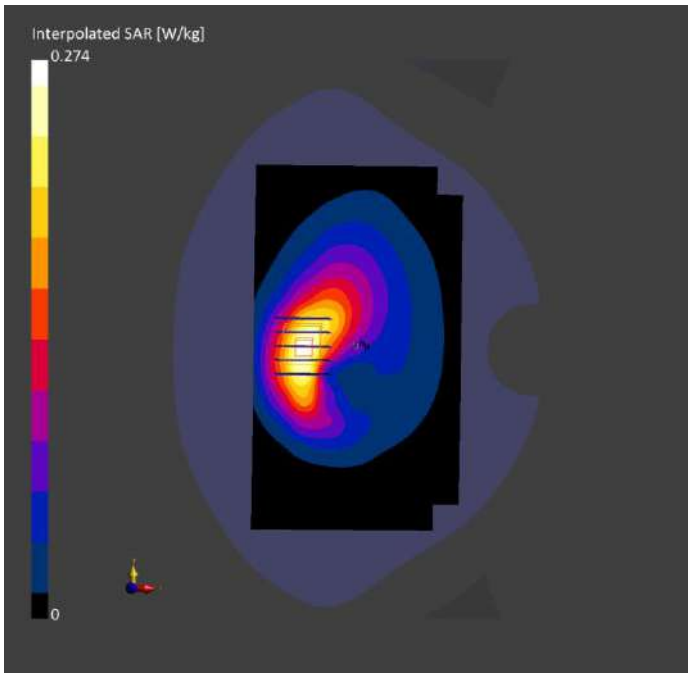
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-03-08	EX3DV4 - SN7510, 2024-06-25	DAE4 Sn1711, 2024-03-18

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	2025-03-08	2025-03-08
psSAR1g [W/kg]	0.167	0.172
psSAR10g [W/kg]	0.106	0.108
Power Drift [dB]	0.00	0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		61.8
Dist 3dB Peak [mm]		14.3


Interpolated SAR [W/kg]
0.274
0

Meas.53 Body Plane with Right Edge 10mm on 167800 Channel in NR Band5 mode with Antenna 1

Exposure Conditions

Phantom Section, 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, 10.00	Band n5	5G NR FR1 FDD, 10931-AAC	839.0, 167800	9.99	0.911	41.7	22.4	21.3

Hardware Setup

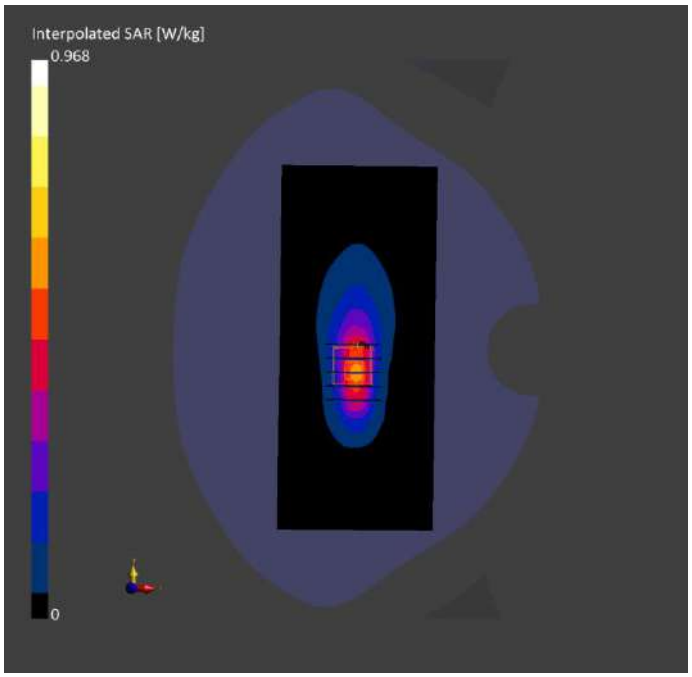
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-03-08	EX3DV4 - SN7510, 2024-06-25	DAE4 Sn1711, 2024-03-18

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	90.0 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	2025-03-08	2025-03-08
psSAR1g [W/kg]	0.504	0.527
psSAR10g [W/kg]	0.289	0.287
Power Drift [dB]	0.00	-0.04
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		52.9
Dist 3dB Peak [mm]		8.0


Interpolated SAR [W/kg]
0.968
0

Meas.54 Right Head with Cheek on 509000 Channel in NR Band7 mode with Antenna 3

Exposure Conditions

Phantom Section, 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 n7	5G NR FR1 FDD, 10935-AAD	2545.0, 509000	7.06	1.92	39.3	22.3	21.3

Hardware Setup

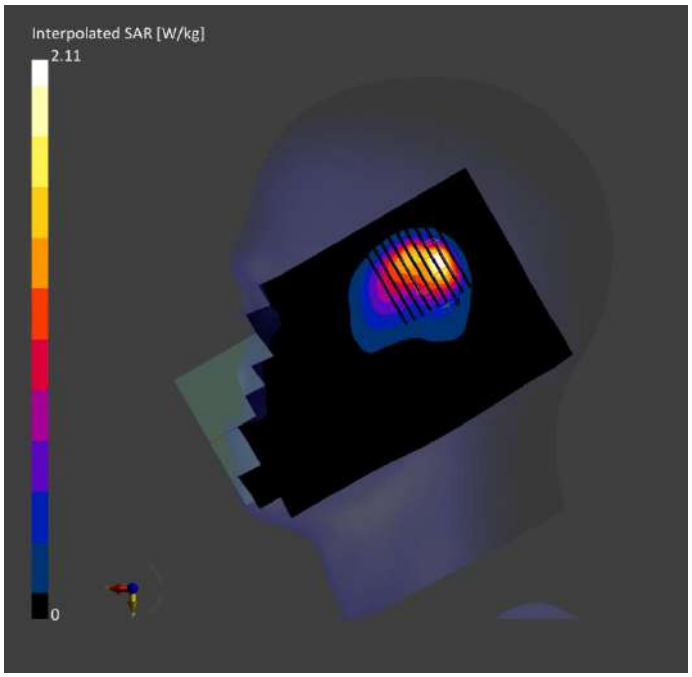
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-03-19	EX3DV4 - SN7893, 2024-09-05	DAE4 Sn1710, 2025-01-20

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	All points	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-03-19	2025-03-19
psSAR1g [W/kg]	0.738	0.929
psSAR10g [W/kg]	0.358	0.389
Power Drift [dB]	0.05	0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		44.3
Dist 3dB Peak [mm]		6.7


Interpolated SAR [W/kg]
2.11
0

Meas.55 Body Plane with Back Side 15mm on 507000 Channel in NR Band7 mode with Antenna 4

Exposure Conditions

Phantom Section, 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, 10935-AAD	2535.0, 507000	7.06	1.86	39.5	22.3	21.3

Hardware Setup

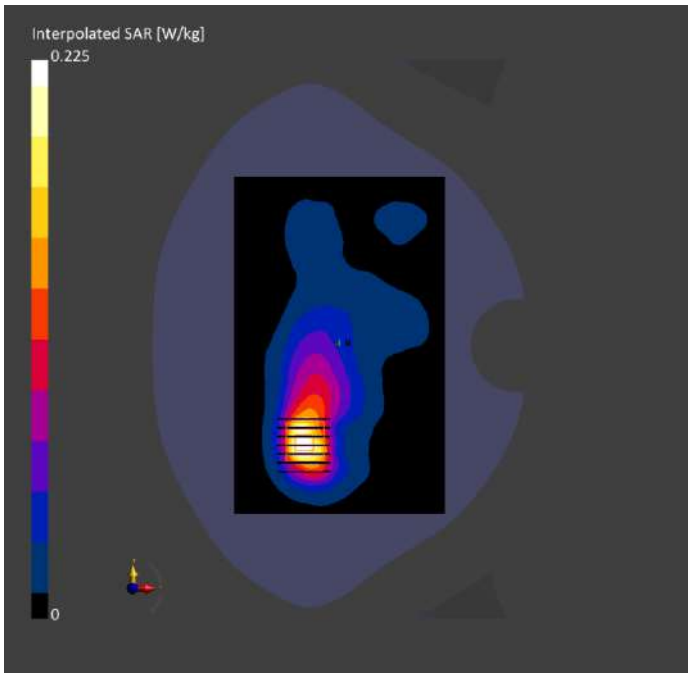
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-03-19	EX3DV4 - SN7893, 2024-09-05	DAE4 Sn1710, 2025-01-20

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	2025-03-19	2025-03-19
psSAR1g [W/kg]	0.109	0.118
psSAR10g [W/kg]	0.055	0.054
Power Drift [dB]	0.04	0.02
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		52.0
Dist 3dB Peak [mm]		9.1


Interpolated SAR [W/kg]
0.225
0

Meas.56 Body Plane with Top Edge 10mm on 507000 Channel in NR Band7 mode with Antenna 3

Exposure Conditions

Phantom Section, 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 n7	5G NR FR1 FDD, 10935-AAD	2535.0, 507000	7.06	1.86	39.5	22.3	21.3

Hardware Setup

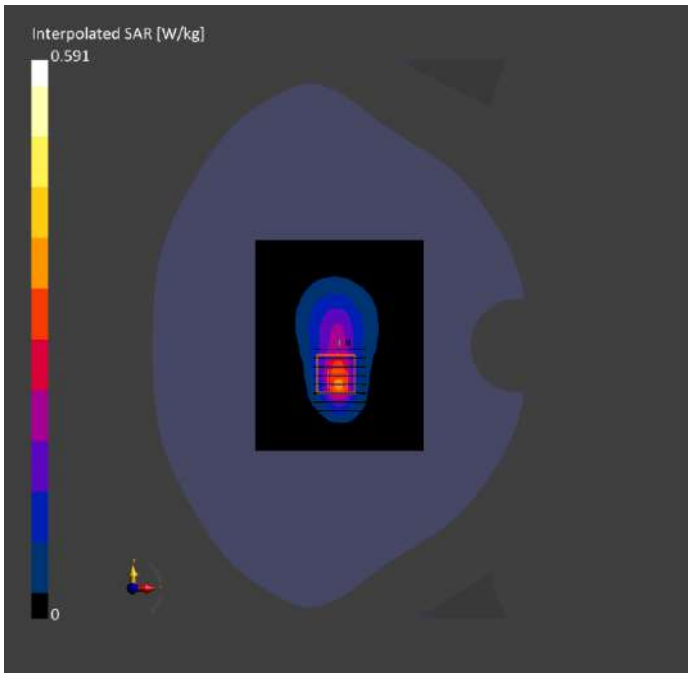
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-03-19	EX3DV4 - SN7893, 2024-09-05	DAE4 Sn1710, 2025-01-20

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	2025-03-19	2025-03-19
psSAR1g [W/kg]	0.272	0.289
psSAR10g [W/kg]	0.124	0.129
Power Drift [dB]	0.02	0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		49.1
Dist 3dB Peak [mm]		8.0


Interpolated SAR [W/kg]
0.591
0

Meas.57 Right Head with Cheek on 346000 Channel in NR Band66 mode with Antenna 3

Exposure Conditions

Phantom Section, 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	8.67	1.34	40.7	22.5	21.5

Hardware Setup

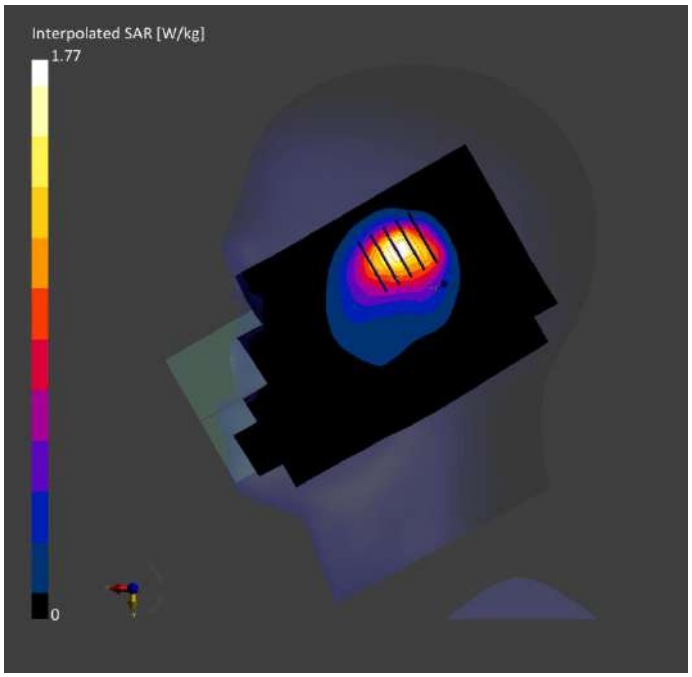
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-03-12	EX3DV4 - SN7510, 2024-06-25	DAE4 Sn1711, 2024-03-18

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	All points	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-03-12	2025-03-12
psSAR1g [W/kg]	0.905	0.930
psSAR10g [W/kg]	0.505	0.515
Power Drift [dB]	0.02	-0.01
Power Scaling Scaling Factor [dB]	Disabled	Disabled
TSL Correction	No correction	No correction
M2/M1 [%]		47.4
Dist 3dB Peak [mm]		9.0


Interpolated SAR [W/kg]
1.77
0

Meas.58 Body Plane with Front Side 15mm on 349000 Channel in NR Band66 mode with Antenna 3

Exposure Conditions

Phantom Section, 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, 15.00	Band n66	5G NR FR1 FDD, 10934-AAC	1745.0, 349000	8.67	1.34	40.4	22.5	21.5

Hardware Setup

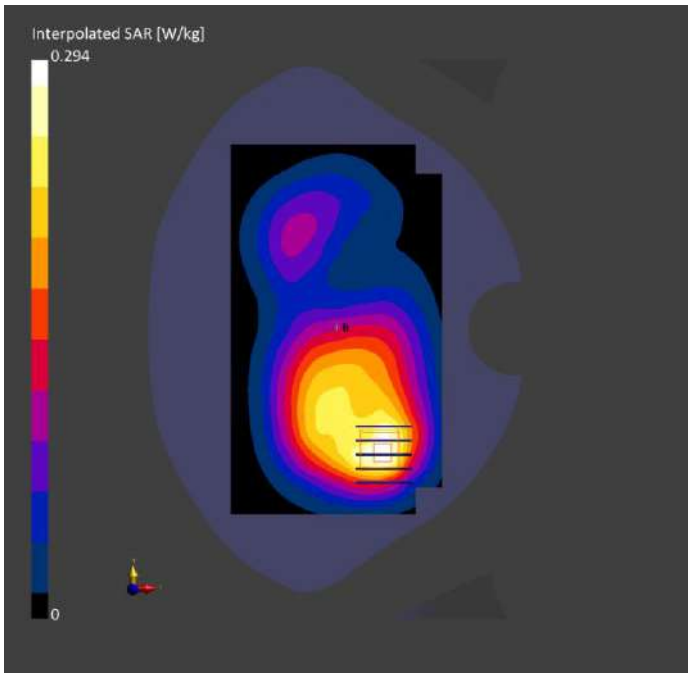
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-03-12	EX3DV4 - SN7510, 2024-06-25	DAE4 Sn1711, 2024-03-18

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	2025-03-12	2025-03-12
psSAR1g [W/kg]	0.180	0.181
psSAR10g [W/kg]	0.110	0.110
Power Drift [dB]	0.01	-0.02
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		59.5
Dist 3dB Peak [mm]		17.0


Interpolated SAR [W/kg]
0.294
0

Meas.59 Body Plane with Bottom Edge 10mm on 349000 Channel in NR Band66 mode with Antenna 0

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	EDGE BOTTOM, 10.00	Band n66	5G NR FR1 FDD, 10934-AAC	1745.0, 349000	8.67	1.34	40.4	22.5	21.5

Hardware Setup

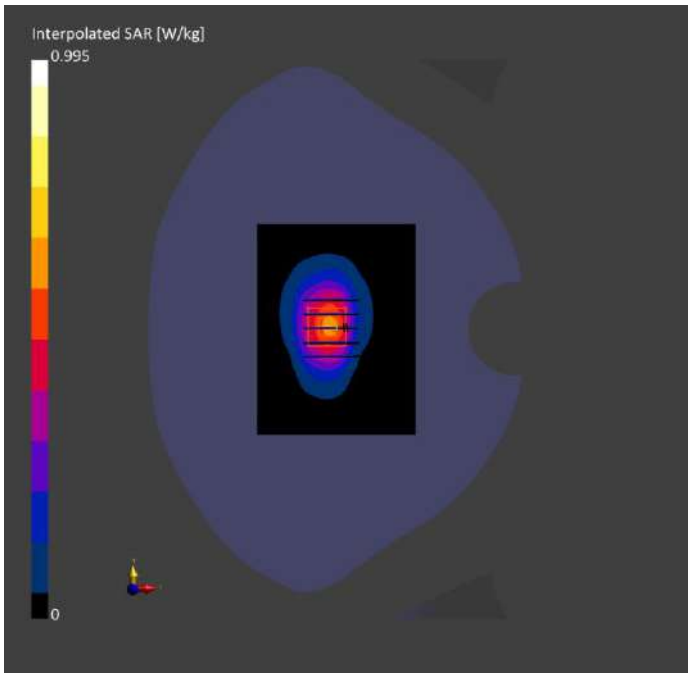
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-03-12	EX3DV4 - SN7510, 2024-06-25	DAE4 Sn1711, 2024-03-18

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	90.0 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 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	2025-03-12	2025-03-12
psSAR1g [W/kg]	0.516	0.590
psSAR10g [W/kg]	0.296	0.332
Power Drift [dB]	-0.01	-0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		58.4
Dist 3dB Peak [mm]		11.3


Interpolated SAR [W/kg]
0.995
0

Meas.60 Body Plane with Bottom Edge 0mm on 349000 Channel in NR Band66 mode with Antenna 0

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	EDGE BOTTOM, 0.00	Band n66	5G NR FR1 FDD, 10934-AAC	1745.0, 349000	8.67	1.34	40.4	22.5	21.5

Hardware Setup

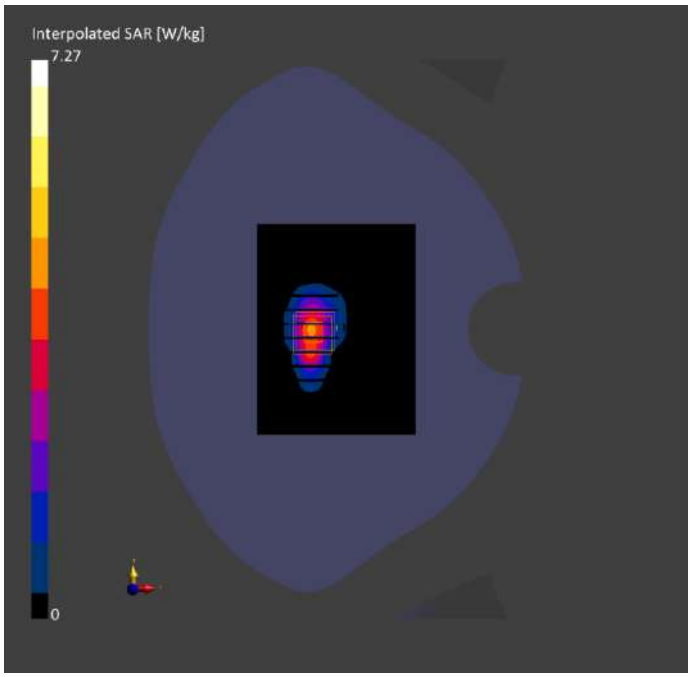
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-03-12	EX3DV4 - SN7510, 2024-06-25	DAE4 Sn1711, 2024-03-18

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	90.0 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 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	2025-03-12	2025-03-12
psSAR1g [W/kg]	3.53	3.55
psSAR10g [W/kg]	1.77	1.78
Power Drift [dB]	-0.02	0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		37.9
Dist 3dB Peak [mm]		4.8


Interpolated SAR [W/kg]
7.27
0

Meas.61 Right Head with Cheek on 520000 Channel in NR Band38 mode with Antenna 3

Exposure Conditions

Phantom Section, 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 n38	5G NR FR1 TDD, 10797-AAF	2600.0, 520000	7.06	1.97	38.8	22.3	21.4

Hardware Setup

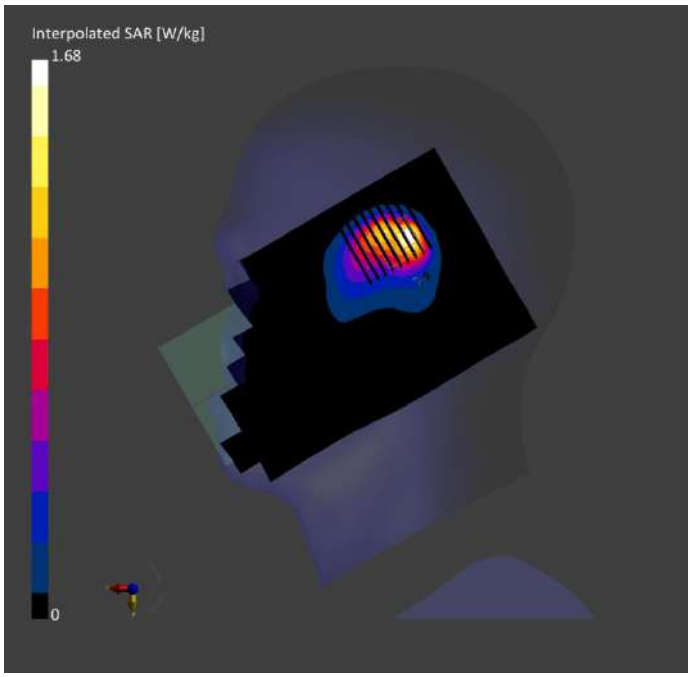
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-03-20	EX3DV4 - SN7893, 2024-09-05	DAE4 Sn1710, 2025-01-20

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	All points	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-03-20	2025-03-20
psSAR1g [W/kg]	0.595	0.743
psSAR10g [W/kg]	0.287	0.309
Power Drift [dB]	-0.02	-0.05
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		45.7
Dist 3dB Peak [mm]		6.1


Interpolated SAR [W/kg]
1.68
0

Meas.62 Body Plane with Front Side 15mm on 520000 Channel in NR Band38 mode with Antenna 3

Exposure Conditions

Phantom Section, 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, 15.00	Band n38	5G NR FR1 TDD, 10797-AAF	2600.0, 520000	7.06	1.97	38.8	22.3	21.4

Hardware Setup

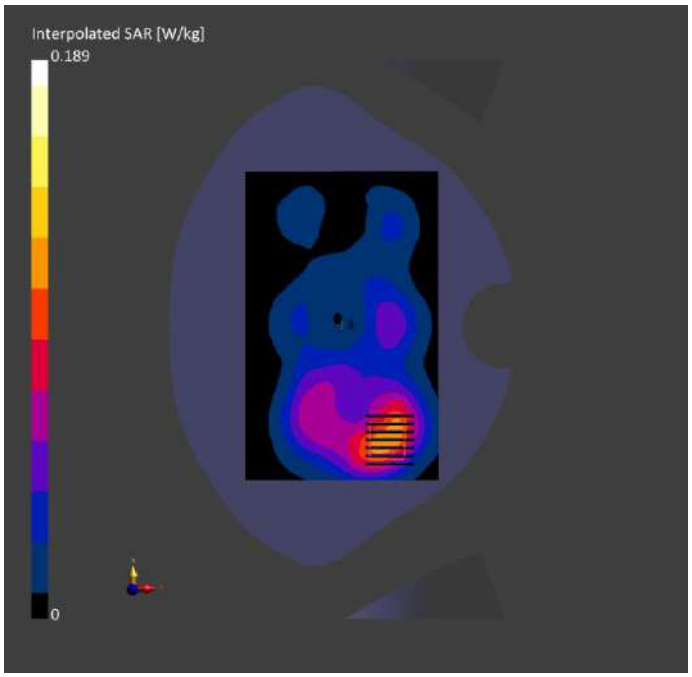
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-03-20	EX3DV4 - SN7893, 2024-09-05	DAE4 Sn1710, 2025-01-20

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	2025-03-20	2025-03-20
psSAR1g [W/kg]	0.10	0.099
psSAR10g [W/kg]	0.055	0.054
Power Drift [dB]	0.03	0.06
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		50.1
Dist 3dB Peak [mm]		13.0


Interpolated SAR [W/kg]
0.189
0

Meas.63 Body Plane with Top Edge 10mm on 520000 Channel in NR Band38 mode with Antenna 3

Exposure Conditions

Phantom Section, 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, 10797-AAF	2600.0, 520000	7.06	1.97	38.8	22.3	21.4

Hardware Setup

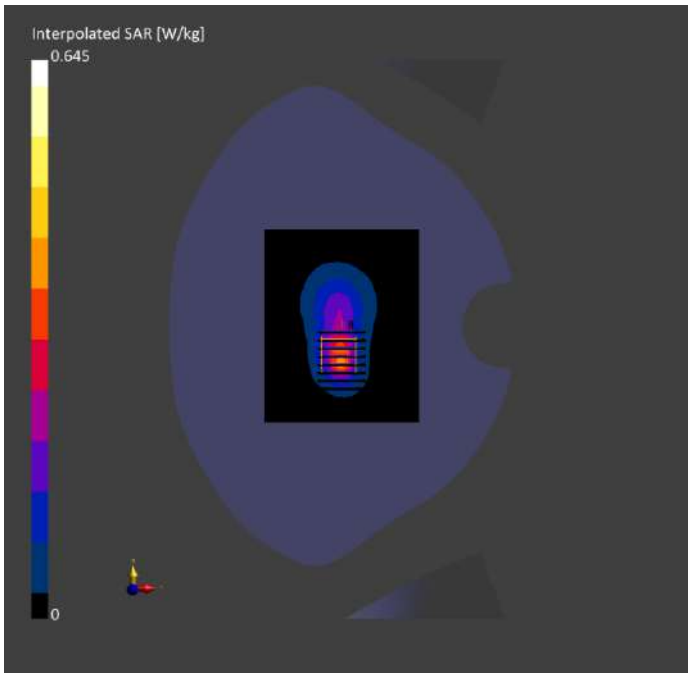
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-03-20	EX3DV4 - SN7893, 2024-09-05	DAE4 Sn1710, 2025-01-20

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	2025-03-20	2025-03-20
psSAR1g [W/kg]	0.298	0.315
psSAR10g [W/kg]	0.134	0.139
Power Drift [dB]	0.00	-0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		49.4
Dist 3dB Peak [mm]		8.5


Interpolated SAR [W/kg]
0.645
0

Meas.64 Right Head with Cheek on 518598 Channel in NR Band41 mode with Antenna 3

Exposure Conditions

Phantom Section, 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 n41	5G NR FR1 TDD, 10803-AAF	2593.0, 518598	7.06	1.95	39.5	22.5	21.6

Hardware Setup

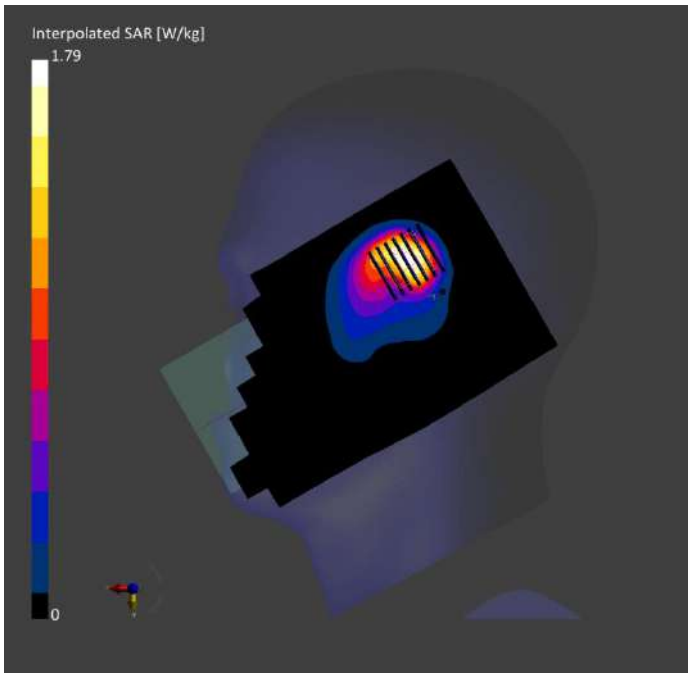
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-03-21	EX3DV4 - SN7893, 2024-09-05	DAE4 Sn1710, 2025-01-20

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	2025-03-21	2025-03-21
psSAR1g [W/kg]	0.697	0.822
psSAR10g [W/kg]	0.345	0.364
Power Drift [dB]	-0.02	0.01
Power Scaling Scaling Factor [dB]	Disabled	Disabled
TSL Correction	No correction	No correction
M2/M1 [%]		46.2
Dist 3dB Peak [mm]		6.3


Interpolated SAR [W/kg]
1.79
0

Meas.65 Body Plane with Back Side 15mm on 509202 Channel in NR Band41 mode with Antenna 4

Exposure Conditions

Phantom Section, 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	2546.01, 509202	7.06	1.88	39.8	22.5	21.6

Hardware Setup

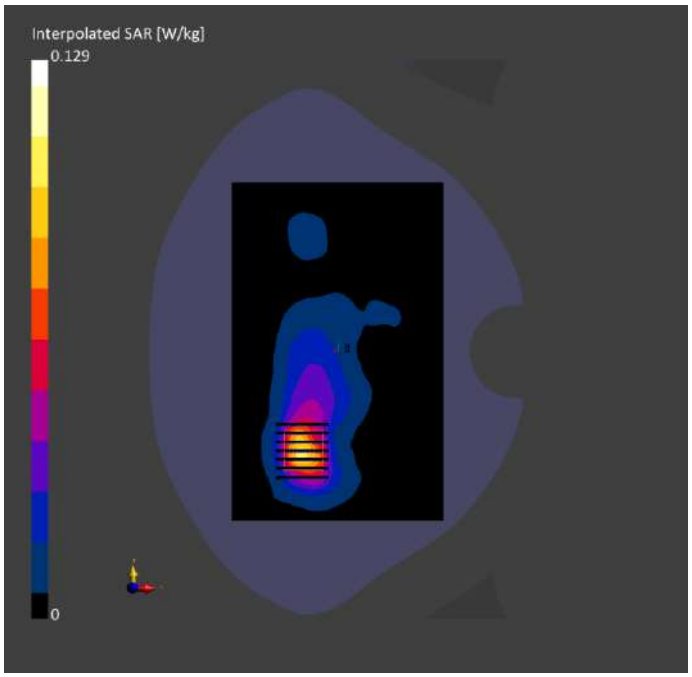
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-03-21	EX3DV4 - SN7893, 2024-09-05	DAE4 Sn1710, 2025-01-20

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	2025-03-21	2025-03-21
psSAR1g [W/kg]	0.062	0.067
psSAR10g [W/kg]	0.031	0.031
Power Drift [dB]	-0.05	-0.01
Power Scaling Scaling Factor [dB]	Disabled	Disabled
TSL Correction	No correction	No correction
M2/M1 [%]		51.6
Dist 3dB Peak [mm]		8.2


Interpolated SAR [W/kg]
0.129
0

Meas.66 Body Plane with Back Side 10mm on 509202 Channel in NR Band41 mode with Antenna 4

Exposure Conditions

Phantom Section, 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 n41	5G NR FR1 TDD, 10803-AAF	2640.0, 528000	7.06	2.03	38.1	22.5	21.6

Hardware Setup

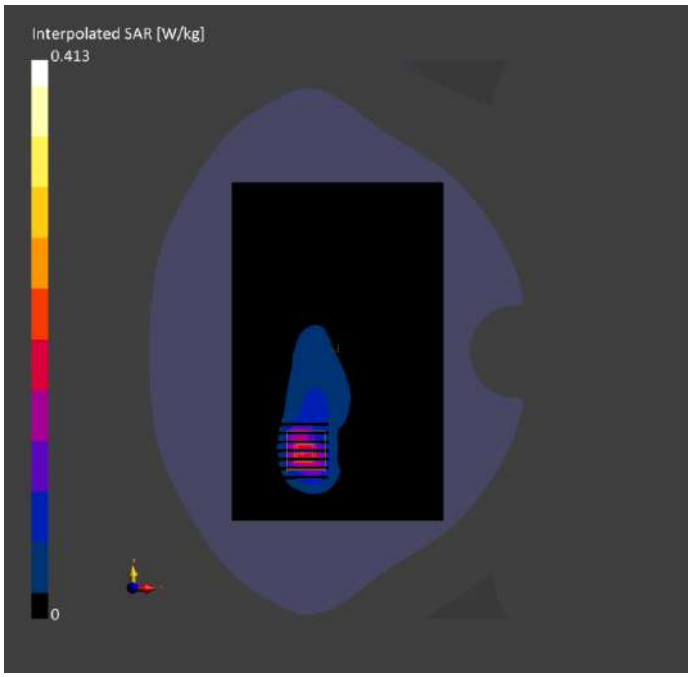
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-03-21	EX3DV4 - SN7893, 2024-09-05	DAE4 Sn1710, 2025-01-20

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	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-03-21	2025-03-21
psSAR1g [W/kg]	0.165	0.199
psSAR10g [W/kg]	0.077	0.082
Power Drift [dB]	-0.01	-0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		50.1
Dist 3dB Peak [mm]		6.7


Interpolated SAR [W/kg]
0.413
0

Meas.67 Left Head with Cheek on 6 Channel in IEEE802.11n HT40 mode with Antenna 9

Exposure Conditions

Phantom Section, 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, 10193-CAE	2437.0, 6	7.75	1.80	40.1	22.5	21.4

Hardware Setup

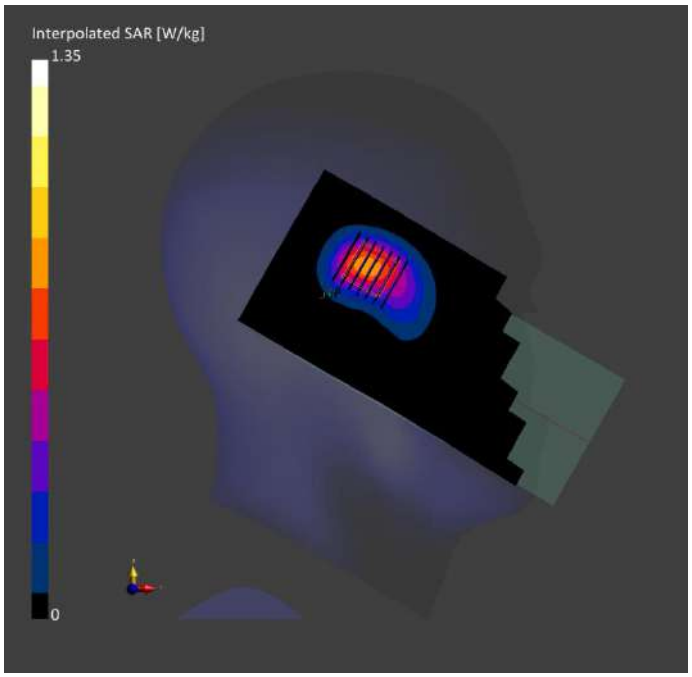
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-10-19	EX3DV4 - SN7510, 2024-06-25	DAE4 Sn1711, 2024-03-18

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	96.0 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	2024-10-19	2024-10-19
psSAR1g [W/kg]	0.608	0.624
psSAR10g [W/kg]	0.313	0.323
Power Drift [dB]	-0.07	-0.11
Power Scaling Scaling Factor [dB]	Disabled	Disabled
TSL Correction	No correction	No correction
M2/M1 [%]		54.8
Dist 3dB Peak [mm]		9.5


Interpolated SAR [W/kg]
1.35
0

Meas.68 Body Plane with Back Side 15mm on 6 Channel in IEEE802.11n HT40 mode with Antenna 9

Exposure Conditions

Phantom Section, 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, 10193-CAE	2437.0, 6	7.75	1.80	40.1	22.5	21.4

Hardware Setup

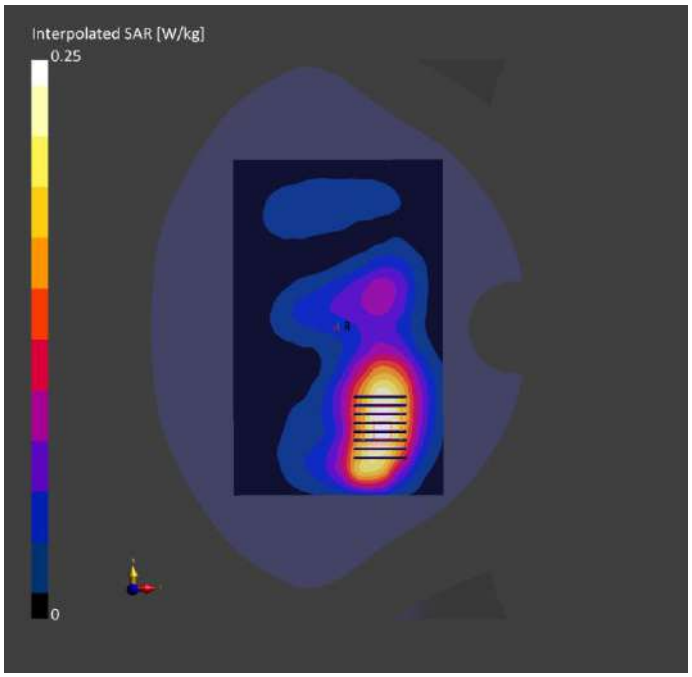
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-10-19	EX3DV4 - SN7510, 2024-06-25	DAE4 Sn1711, 2024-03-18

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	All points	All points
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-10-19	2024-10-19
psSAR1g [W/kg]	0.141	0.147
psSAR10g [W/kg]	0.079	0.085
Power Drift [dB]	-0.03	-0.14
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		56.4
Dist 3dB Peak [mm]		16.1


Interpolated SAR [W/kg]
0.25
0

Meas.69 Body Plane with Back Side 10mm on 6 Channel in IEEE802.11n HT40 mode with Antenna 9

Exposure Conditions

Phantom Section, 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, 10193-CAE	2437.0, 6	7.75	1.80	40.1	22.5	21.4

Hardware Setup

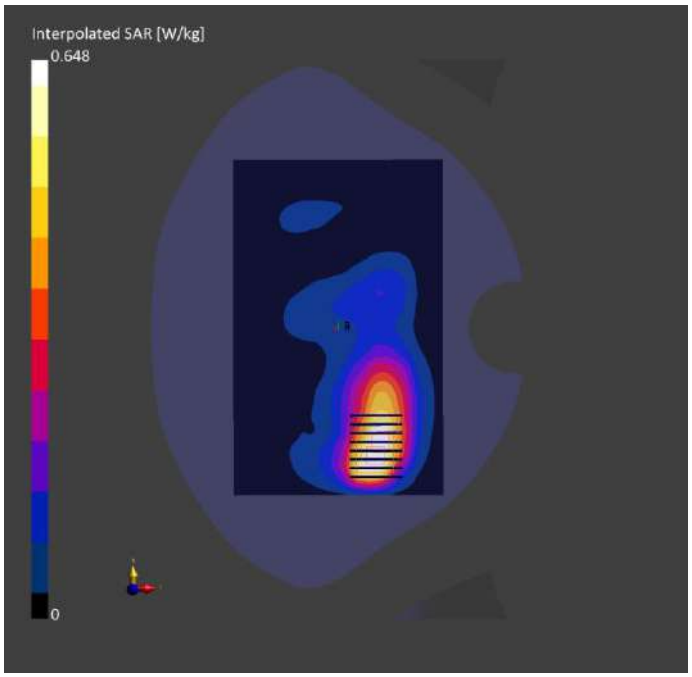
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-10-19	EX3DV4 - SN7510, 2024-06-25	DAE4 Sn1711, 2024-03-18

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	All points	All points
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-10-19	2024-10-19
psSAR1g [W/kg]	0.326	0.349
psSAR10g [W/kg]	0.179	0.190
Power Drift [dB]	0.01	0.02
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		47.3
Dist 3dB Peak [mm]		11.2


Interpolated SAR [W/kg]
0.648
0

Meas.70 Body Plane with Back Side 0mm on 6 Channel in IEEE802.11n HT40 mode with Antenna 9

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	BACK, 0.00	WLAN 2.4GHz	WLAN, 10193-CAE	2437.0, 6	7.75	1.80	40.1	22.5	21.4

Hardware Setup

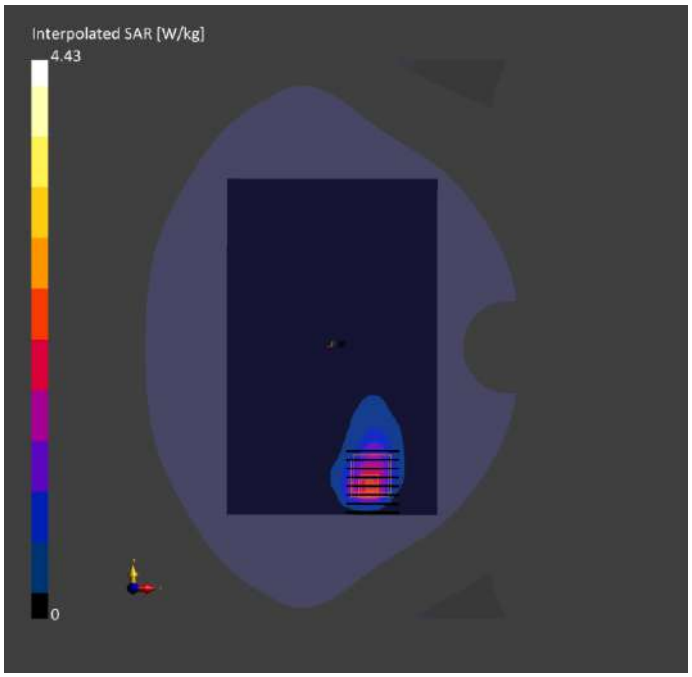
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-10-19	EX3DV4 - SN7510, 2024-06-25	DAE4 Sn1711, 2024-03-18

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	All points	All points
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-10-19	2024-10-19
psSAR1g [W/kg]	1.87	1.78
psSAR10g [W/kg]	0.904	0.865
Power Drift [dB]	0.00	-0.05
Power Scaling Scaling Factor [dB]	Disabled	Disabled
TSL Correction	No correction	No correction
M2/M1 [%]		37.8
Dist 3dB Peak [mm]		6.0


Interpolated SAR [W/kg]
4.43
0

Meas.71 Left Head with Tilt on 58 Channel in IEEE802.11ac VHT80 mode with Antenna 8

Exposure Conditions

Phantom Section, 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	TILT, 0.00	WLAN 5GHz	WLAN, 10544-AAD	5290.0, 58	5.50	4.88	35.1	22.7	21.4

Hardware Setup

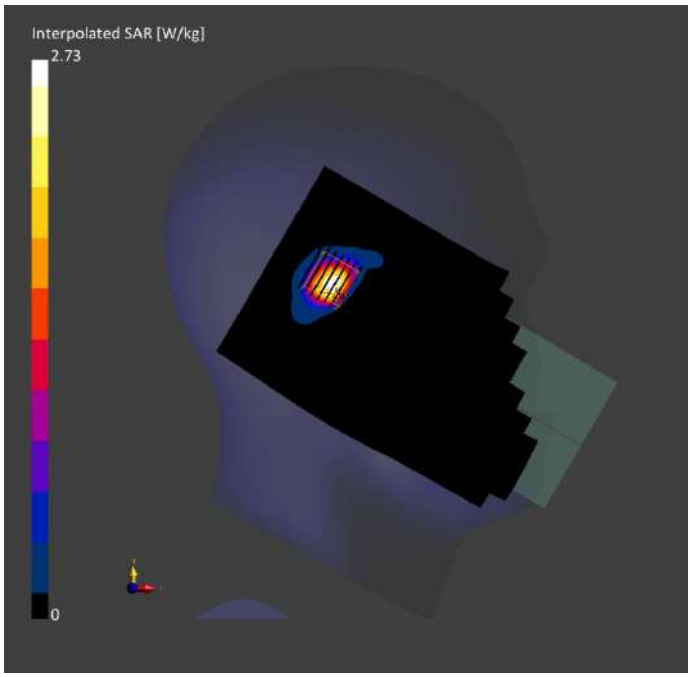
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-11-02	EX3DV4 - SN7510, 2024-06-25	DAE4 Sn1711, 2024-03-18

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	2024-11-02	2024-11-02
psSAR1g [W/kg]	0.510	0.683
psSAR10g [W/kg]	0.169	0.182
Power Drift [dB]	0.12	-0.10
Power Scaling Scaling Factor [dB]	Disabled	Disabled
TSL Correction	No correction	No correction
M2/M1 [%]		52.3
Dist 3dB Peak [mm]		5.6


Interpolated SAR [W/kg]
2.73
0

Meas.72 Left Head with Tilt on 122 Channel in IEEE802.11ac VHT80 mode with Antenna 8

Exposure Conditions

Phantom Section, 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	TILT, 0.00	WLAN 5GHz	WLAN, 10544-AAD	5610.0, 122	5.00	5.25	34.2	22.4	21.3

Hardware Setup

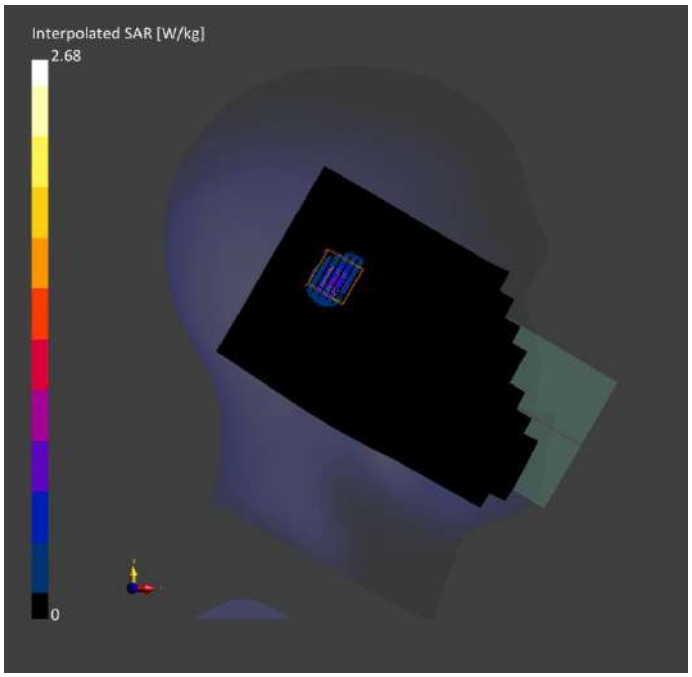
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-11-03	EX3DV4 - SN7510, 2024-06-25	DAE4 Sn1711, 2024-03-18

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	2024-11-03	2024-11-03
psSAR1g [W/kg]	0.502	0.644
psSAR10g [W/kg]	0.173	0.176
Power Drift [dB]	-0.09	-0.14
Power Scaling Scaling Factor [dB]	Disabled	Disabled
TSL Correction	No correction	No correction
M2/M1 [%]		51.9
Dist 3dB Peak [mm]		5.4


Interpolated SAR [W/kg]
2.68
0

Meas.73 Left Head with Tilt on 155 Channel in IEEE802.11ac VHT80 mode with Antenna 8

Exposure Conditions

Phantom Section, 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	TILT, 0.00	WLAN 5GHz	WLAN, 10544-AAD	5775.0, 155	5.04	5.31	34.2	22.8	21.6

Hardware Setup

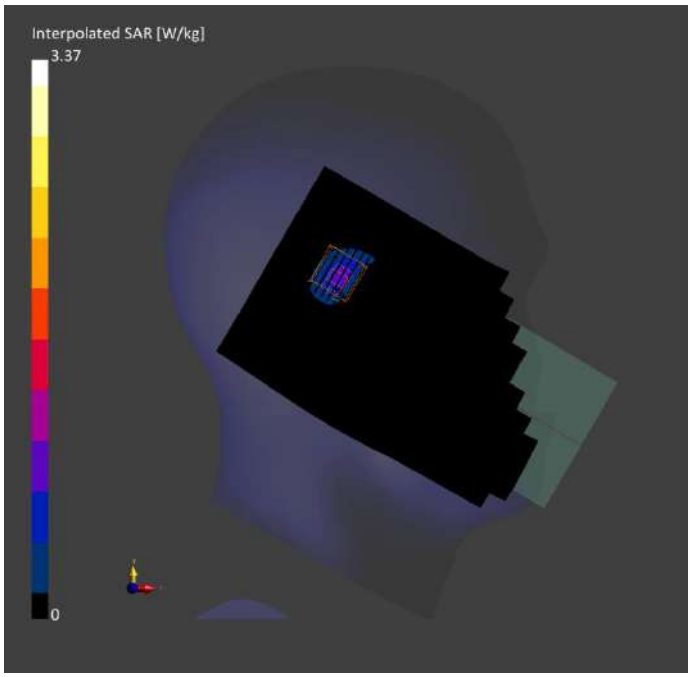
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-11-04	EX3DV4 - SN7510, 2024-06-25	DAE4 Sn1711, 2024-03-18

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	2024-11-04	2024-11-04
psSAR1g [W/kg]	0.688	0.823
psSAR10g [W/kg]	0.231	0.241
Power Drift [dB]	0.06	-0.11
Power Scaling Scaling Factor [dB]	Disabled	Disabled
TSL Correction	No correction	No correction
M2/M1 [%]		52.5
Dist 3dB Peak [mm]		5.6


Interpolated SAR [W/kg]
3.37
0

Meas.74 Body Plane with Back Side 15mm on 58 Channel in IEEE802.11n HT40 mode with Antenna 8

Exposure Conditions

Phantom Section, 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, 10114-CAG	5270.0, 54	5.50	4.86	35.1	22.7	21.4

Hardware Setup

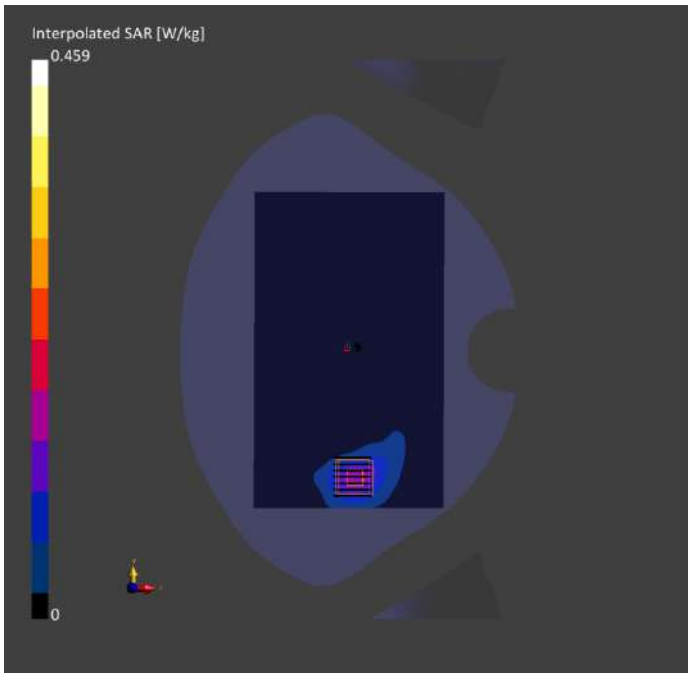
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-11-02	EX3DV4 - SN7510, 2024-06-25	DAE4 Sn1711, 2024-03-18

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	All points	All points
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-11-02	2024-11-02
psSAR1g [W/kg]	0.131	0.132
psSAR10g [W/kg]	0.052	0.047
Power Drift [dB]	-0.06	-0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		54.8
Dist 3dB Peak [mm]		10.7


Interpolated SAR [W/kg]
0.459
0

Meas.75 Body Plane with Back Side 15mm on 118 Channel in IEEE802.11n HT40 mode with Antenna 8

Exposure Conditions

Phantom Section, 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, 10114-CAG	5590.0, 118	5.00	5.04	35.0	22.4	21.3

Hardware Setup

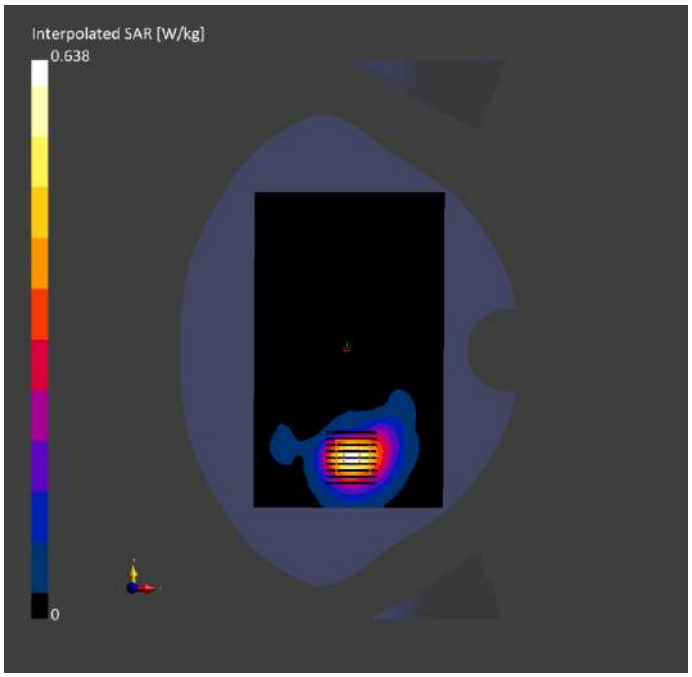
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-11-03	EX3DV4 - SN7510, 2024-06-25	DAE4 Sn1711, 2024-03-18

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	2024-11-03	2024-11-03
psSAR1g [W/kg]	0.174	0.188
psSAR10g [W/kg]	0.069	0.072
Power Drift [dB]	-0.19	0.17
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		53.5
Dist 3dB Peak [mm]		10.4


Interpolated SAR [W/kg]
0.638
0

Meas.76 Body Plane with Back Side 15mm on 155 Channel in IEEE802.11ac VHT80 mode with Antenna 8

Exposure Conditions

Phantom Section, 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, 10544-AAC	5775.0, 155	5.04	5.31	34.2	22.8	21.6

Hardware Setup

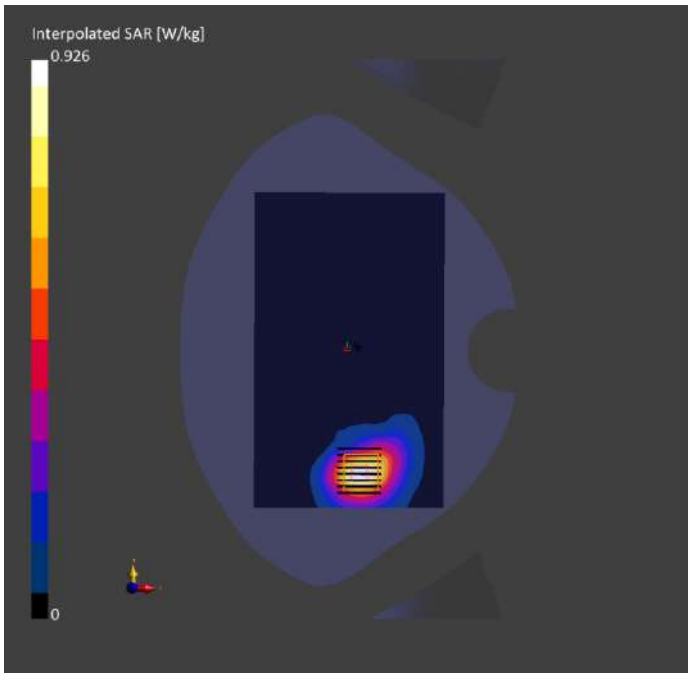
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-11-04	EX3DV4 - SN7510, 2024-06-25	DAE4 Sn1711, 2024-03-18

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	All points	All points
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-11-04	2024-11-04
psSAR1g [W/kg]	0.260	0.256
psSAR10g [W/kg]	0.105	0.099
Power Drift [dB]	0.08	-0.12
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		50.7
Dist 3dB Peak [mm]		11.2


Interpolated SAR [W/kg]
0.926
0

Meas.77 Body Plane with Top Edge 10mm on 46 Channel in IEEE802.11n HT40 mode with Antenna 8

Exposure Conditions

Phantom Section, 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, 10114-CAG	5230.0, 46	5.74	4.63	36.7	22.7	21.4

Hardware Setup

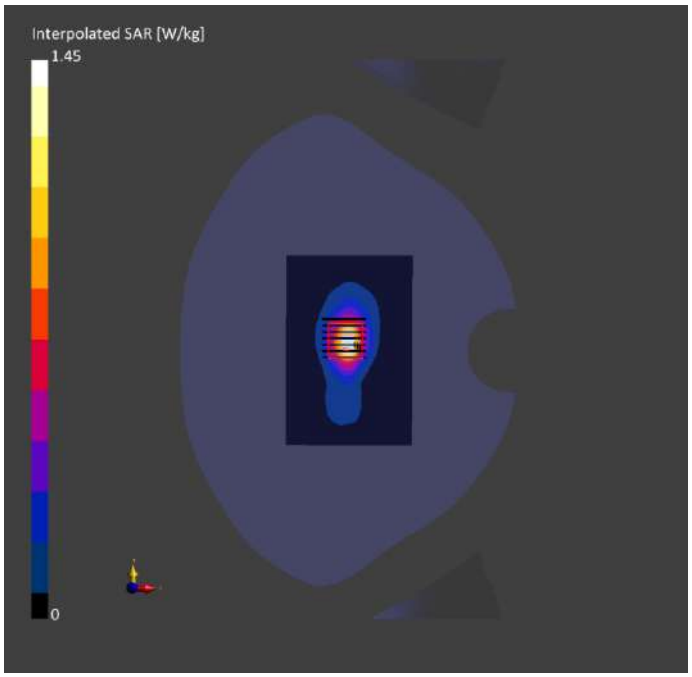
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-11-02	EX3DV4 - SN7510, 2024-06-25	DAE4 Sn1711, 2024-03-18

Scan Setup

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

Measurement Results

	Area Scan	Zoom Scan
Date	2024-11-02	2024-11-02
psSAR1g [W/kg]	0.374	0.404
psSAR10g [W/kg]	0.129	0.132
Power Drift [dB]	0.12	0.10
Power Scaling Scaling Factor [dB]	Disabled	Disabled
TSL Correction	No correction	No correction
M2/M1 [%]		53.1
Dist 3dB Peak [mm]		8.0


Interpolated SAR [W/kg]
1.45
0

Meas.78 Body Plane with Top Edge 10mm on 155 Channel in IEEE802.11ac VHT80 mode with Antenna 8

Exposure Conditions

Phantom Section, 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, 10544-AAC	5775.0, 155	5.04	5.31	34.2	22.8	21.6

Hardware Setup

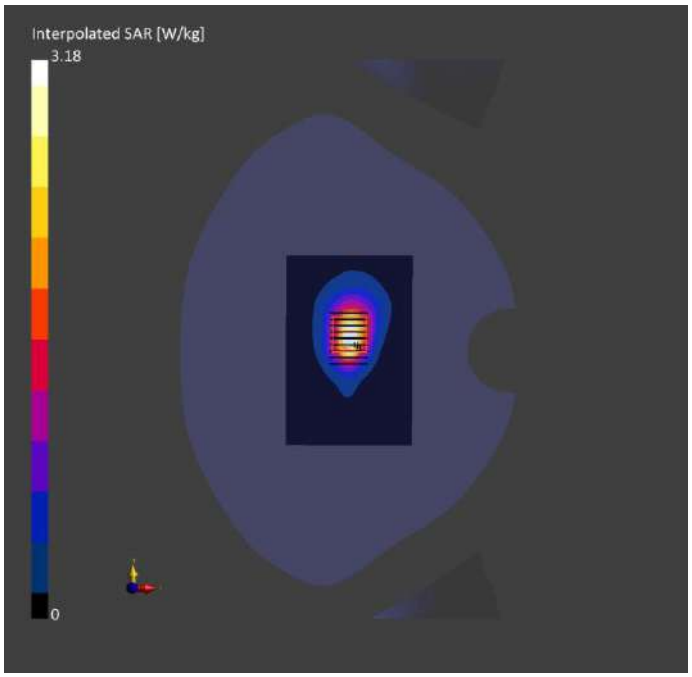
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-11-04	EX3DV4 - SN7510, 2024-06-25	DAE4 Sn1711, 2024-03-18

Scan Setup

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

Measurement Results

	Area Scan	Zoom Scan
Date	2024-11-04	2024-11-04
psSAR1g [W/kg]	0.824	0.844
psSAR10g [W/kg]	0.303	0.305
Power Drift [dB]	0.14	-0.06
Power Scaling Scaling Factor [dB]	Disabled	Disabled
TSL Correction	No correction	No correction
M2/M1 [%]		50.8
Dist 3dB Peak [mm]		7.6


Interpolated SAR [W/kg]
3.18
0

Meas.79 Body Plane with Top Edge 0mm on 54 Channel in IEEE802.11n HT40 mode with Antenna 8

Exposure Conditions

Phantom Section, 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, 10114-CAG	5270.0, 54	5.50	4.86	35.1	22.7	21.4

Hardware Setup

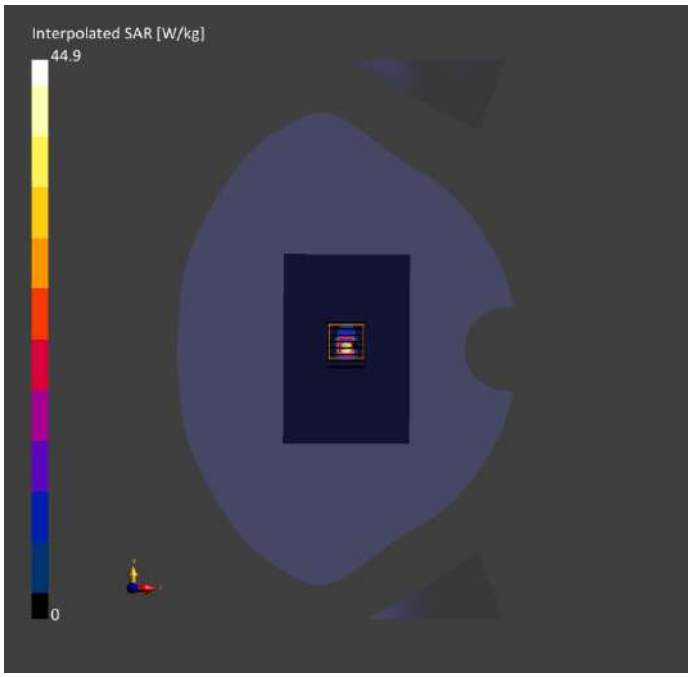
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-11-02	EX3DV4 - SN7510, 2024-06-25	DAE4 Sn1711, 2024-03-18

Scan Setup

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

Measurement Results

	Area Scan	Zoom Scan
Date	2024-11-02	2024-11-02
psSAR1g [W/kg]	6.77	7.99
psSAR10g [W/kg]	1.23	1.29
Power Drift [dB]	0.03	0.05
Power Scaling Scaling Factor [dB]	Disabled	Disabled
TSL Correction	No correction	No correction
M2/M1 [%]		48.6
Dist 3dB Peak [mm]		3.2


Interpolated SAR [W/kg]
44.9
0

Meas.80 Body Plane with Top Edge 0mm on 118 Channel in IEEE802.11n HT40 mode with Antenna 8

Exposure Conditions

Phantom Section, 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, 10114-CAG	5590.0, 118	5.00	5.04	35.0	22.4	21.3

Hardware Setup

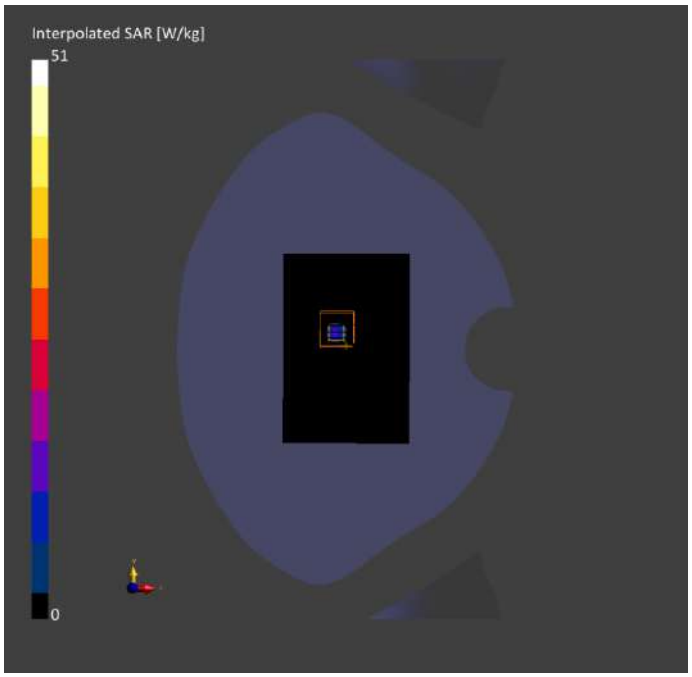
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-11-03	EX3DV4 - SN7510, 2024-06-25	DAE4 Sn1711, 2024-03-18

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 120.0	24.0 x 24.0 x 22.0
Grid Steps [mm]	8.0 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	2024-11-03	2024-11-03
psSAR1g [W/kg]	6.63	8.80
psSAR10g [W/kg]	1.19	1.45
Power Drift [dB]	0.16	0.05
Power Scaling Scaling Factor [dB]	Disabled	Disabled
TSL Correction	No correction	No correction
M2/M1 [%]		49.0
Dist 3dB Peak [mm]		3.2


Interpolated SAR [W/kg]
51
0

Meas.81 Body Plane with Top Edge 0mm on 155 Channel in IEEE802.11ac VHT80 mode with Antenna 8

Exposure Conditions

Phantom Section, 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, 10544-AAC	5775.0, 155	5.04	5.31	34.2	22.8	21.6

Hardware Setup

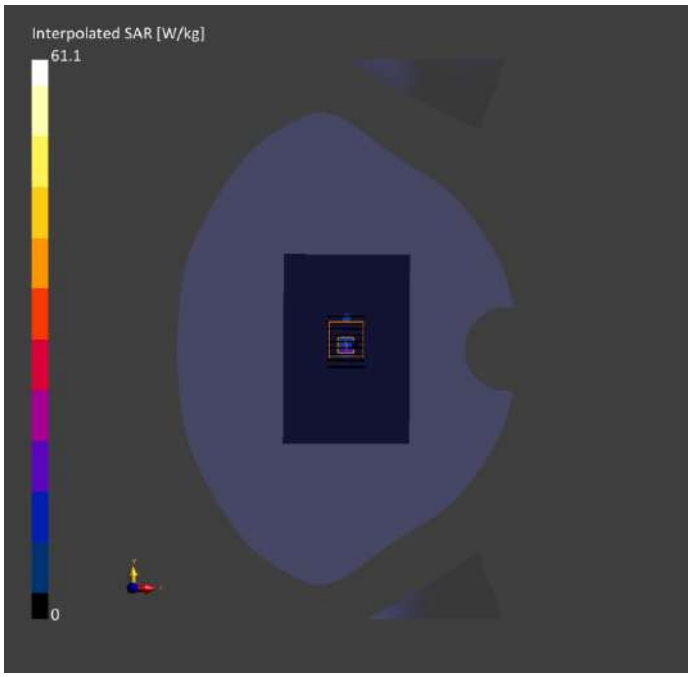
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-11-04	EX3DV4 - SN7510, 2024-06-25	DAE4 Sn1711, 2024-03-18

Scan Setup

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

Measurement Results

	Area Scan	Zoom Scan
Date	2024-11-04	2024-11-04
psSAR1g [W/kg]	9.07	10.4
psSAR10g [W/kg]	1.73	1.76
Power Drift [dB]	-0.01	0.09
Power Scaling Scaling Factor [dB]	Disabled	Disabled
TSL Correction	No correction	No correction
M2/M1 [%]		45.7
Dist 3dB Peak [mm]		3.2


Interpolated SAR [W/kg]
61.1
0

Meas.82 Left Head With Cheek on 78 Channel in Bluetooth mode with Antenna 9

Exposure Conditions

Phantom Section, 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	2480.0, 78	7.75	1.88	38.0	22.6	21.3

Hardware Setup

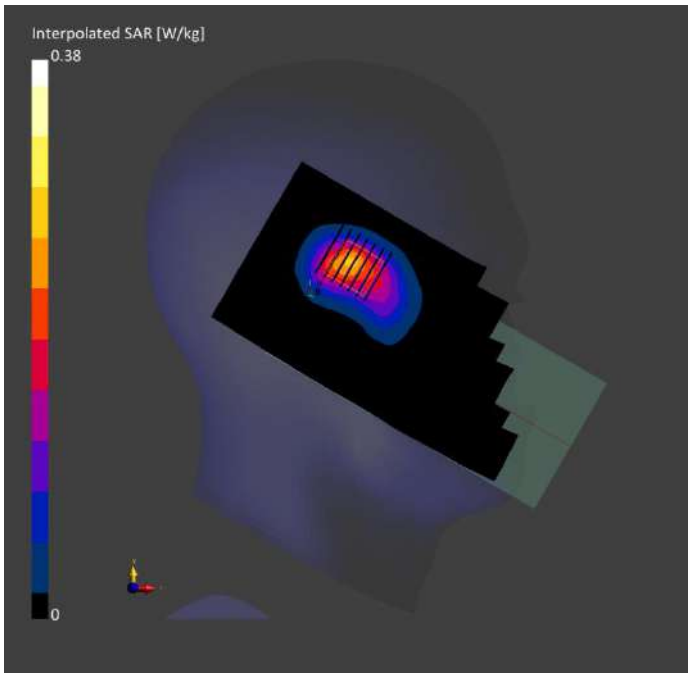
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-10-20	EX3DV4 - SN7510, 2024-06-25	DAE4 Sn1711, 2024-03-18

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	100.0 x 180.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	Y	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-10-20	2024-10-20
psSAR1g [W/kg]	0.205	0.212
psSAR10g [W/kg]	0.104	0.112
Power Drift [dB]	0.00	0.05
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		52.3
Dist 3dB Peak [mm]		9.9


Interpolated SAR [W/kg]
0.38
0

Meas.83 Body Plane With Back Side 15mm on 78 Channel in Bluetooth mode with Antenna 9

Exposure Conditions

Phantom Section, 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	2480.0, 78	7.75	1.88	38.0	22.6	21.3

Hardware Setup

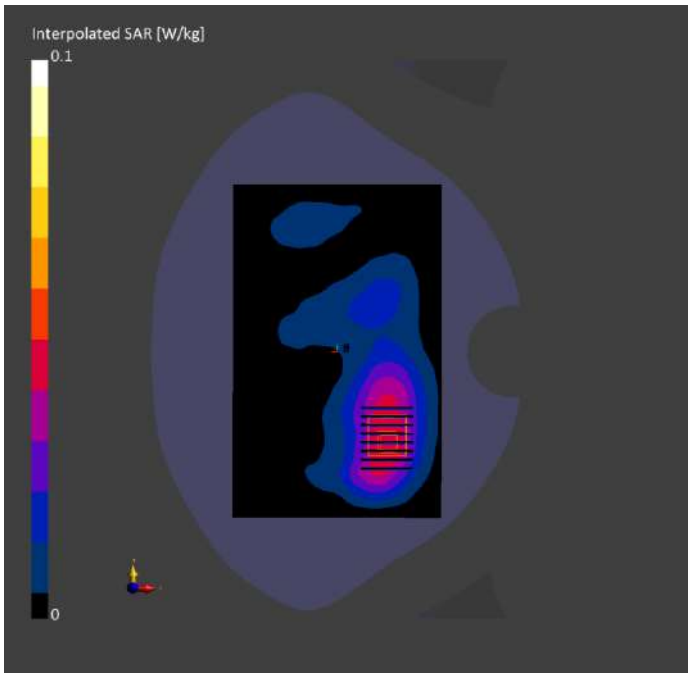
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-10-20	EX3DV4 - SN7510, 2024-06-25	DAE4 Sn1711, 2024-03-18

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	2024-10-20	2024-10-20
psSAR1g [W/kg]	0.041	0.043
psSAR10g [W/kg]	0.023	0.025
Power Drift [dB]	-0.15	-0.13
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		53.7
Dist 3dB Peak [mm]		> 15.0


Interpolated SAR [W/kg]
0.1
0

Meas.84 Body Plane With Back Side 10mm on 78 Channel in Bluetooth mode with Antenna 9

Exposure Conditions

Phantom Section, 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	2480.0, 78	7.75	1.88	38.0	22.6	21.3

Hardware Setup

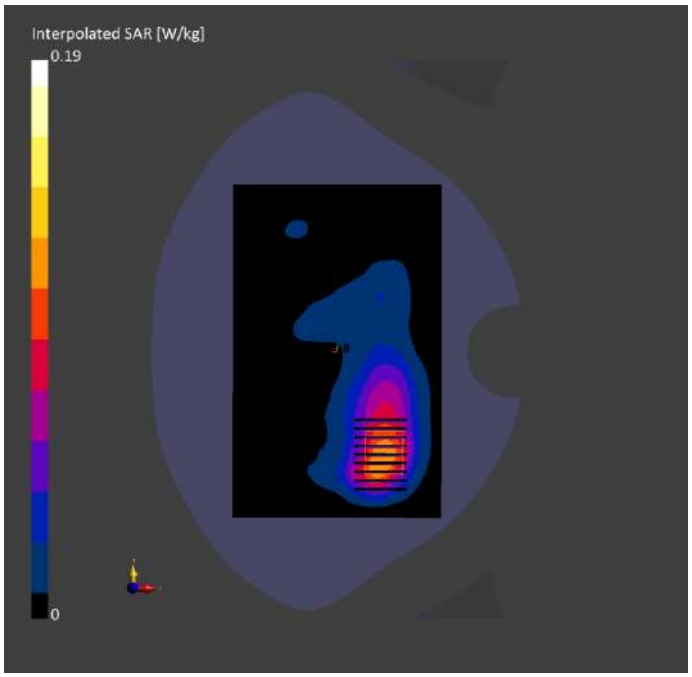
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-10-20	EX3DV4 - SN7510, 2024-06-25	DAE4 Sn1711, 2024-03-18

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	2024-10-20	2024-10-20
psSAR1g [W/kg]	0.103	0.107
psSAR10g [W/kg]	0.056	0.057
Power Drift [dB]	0.00	-0.17
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		53.2
Dist 3dB Peak [mm]		14.9


Interpolated SAR [W/kg]
0.19
0

Meas.85 Body Plane With Back Side 0mm on 78 Channel in Bluetooth mode with Antenna 9

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	BACK, 0.00	ISM 2.4 GHz Band	Bluetooth, 10032-CAA	2480.0, 78	7.75	1.88	38.0	22.6	21.3

Hardware Setup

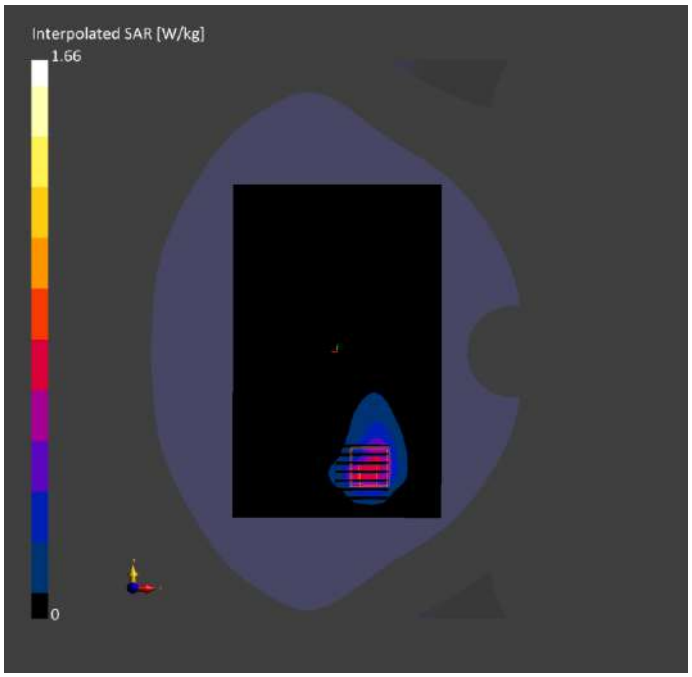
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-10-20	EX3DV4 - SN7510, 2024-06-25	DAE4 Sn1711, 2024-03-18

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	2024-10-20	2024-10-20
psSAR1g [W/kg]	0.639	0.633
psSAR10g [W/kg]	0.315	0.282
Power Drift [dB]	-0.05	-0.05
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		33.9
Dist 3dB Peak [mm]		6.3


Interpolated SAR [W/kg]
1.66
0

Meas.86 Left Head with Tilt on 155 Channel in IEEE802.11ac80 mode with Antenna 8

Exposure Conditions

Phantom Section, 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	TILT, 0.00	WLAN 5GHz	WLAN, 10544-AAC	5775.0, 155	5.04	5.29	35.3	22.3	21.5

Hardware Setup

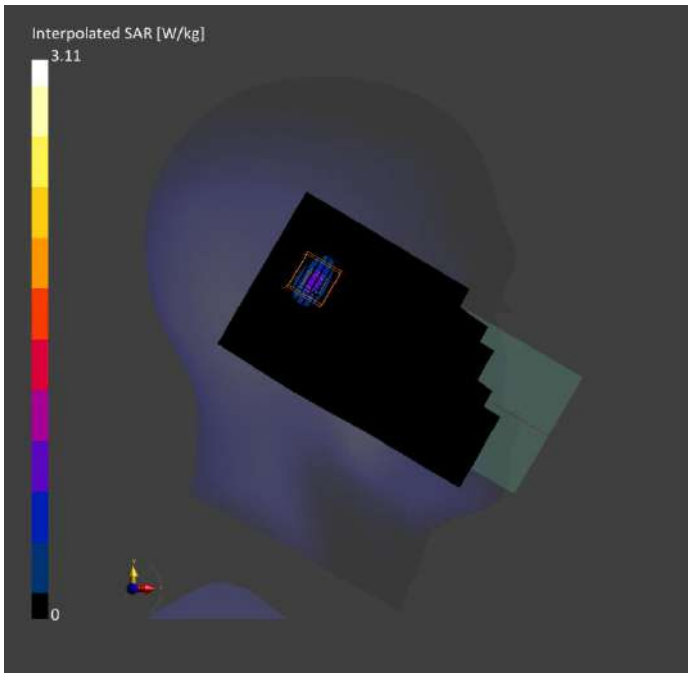
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-03-15	EX3DV4 - SN7510, 2024-06-25	DAE4 Sn1711, 2024-03-18

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	100.0 x 160.0	24.0 x 24.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 2.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.4
MAIA	Y	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-03-15	2025-03-15
psSAR1g [W/kg]	0.679	0.773
psSAR10g [W/kg]	0.196	0.192
Power Drift [dB]	-0.19	-0.05
Power Scaling Scaling Factor [dB]	Disabled	Disabled
TSL Correction	No correction	No correction
M2/M1 [%]		49.5
Dist 3dB Peak [mm]		5.1


Interpolated SAR [W/kg]
3.11
0

Meas.87 Body Plane with Back Side 15mm on 155 Channel in IEEE802.11ac80 mode with Antenna 8

Exposure Conditions

Phantom Section, 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, 10544-AAC	5775.0, 155	5.04	5.29	35.3	22.3	21.5

Hardware Setup

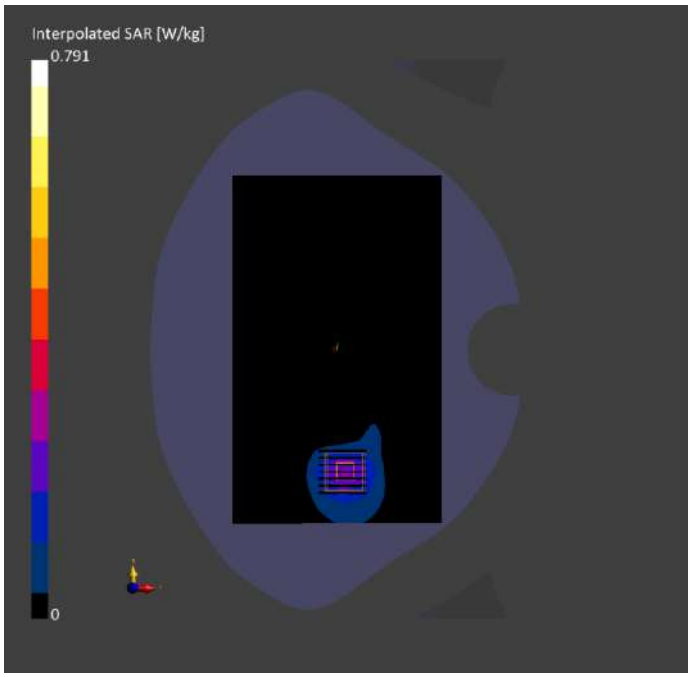
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-03-15	EX3DV4 - SN7510, 2024-06-25	DAE4 Sn1711, 2024-03-18

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	2025-03-15	2025-03-15
psSAR1g [W/kg]	0.203	0.219
psSAR10g [W/kg]	0.082	0.090
Power Drift [dB]	0.02	0.09
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		49.2
Dist 3dB Peak [mm]		12.2


Interpolated SAR [W/kg]
0.791
0

Meas.88 Body Plane with Top Edge 10mm on 155 Channel in IEEE802.11ac80 mode with Antenna 8

Exposure Conditions

Phantom Section, 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, 10544-AAC	5775.0, 155	5.04	5.29	35.3	22.3	21.5

Hardware Setup

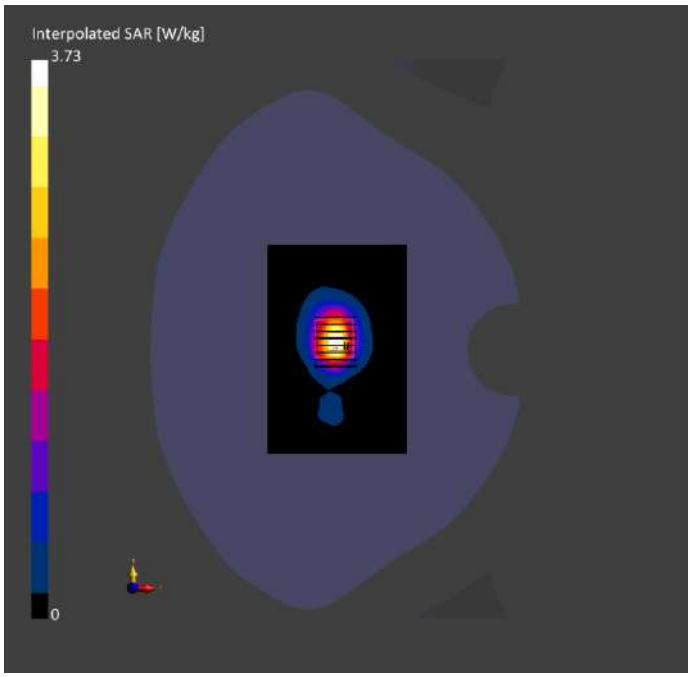
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-03-15	EX3DV4 - SN7510, 2024-06-25	DAE4 Sn1711, 2024-03-18

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 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	2025-03-15	2025-03-15
psSAR1g [W/kg]	0.792	0.838
psSAR10g [W/kg]	0.275	0.279
Power Drift [dB]	0.02	-0.02
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		49.6
Dist 3dB Peak [mm]		8.4


Interpolated SAR [W/kg]
3.73
0

Meas.89 Body Plane with Top Edge 0mm on 155 Channel in IEEE802.11ac80 mode with Antenna 8

Exposure Conditions

Phantom Section, 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, 10544-AAC	5775.0, 155	5.04	5.29	35.3	22.3	21.5

Hardware Setup

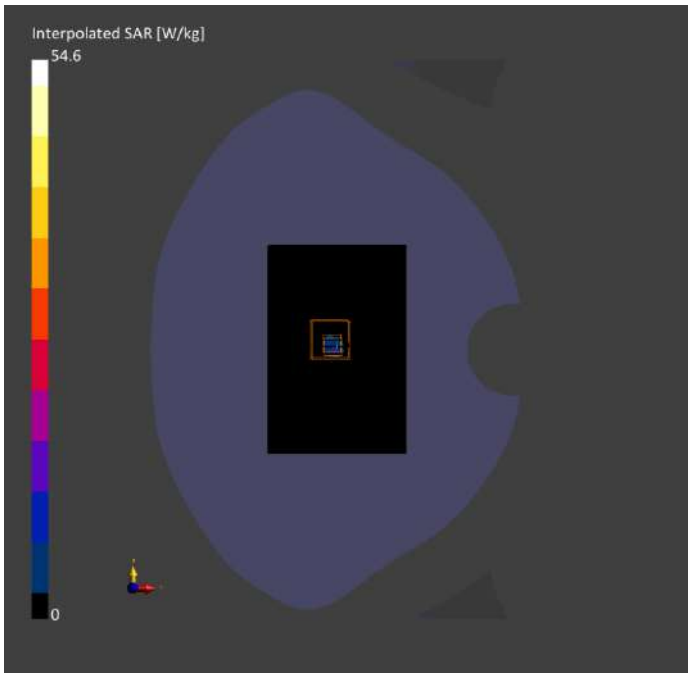
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-03-15	EX3DV4 - SN7510, 2024-06-25	DAE4 Sn1711, 2024-03-18

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 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	2025-03-15	2025-03-15
psSAR1g [W/kg]	5.44	9.48
psSAR10g [W/kg]	1.37	1.62
Power Drift [dB]	0.07	-0.04
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		44.9
Dist 3dB Peak [mm]		4.0


Interpolated SAR [W/kg]
54.6
0

ANNEX D EUT EXTERNAL PHOTOS

Please refer the document “BL-SZ2520926-AW.pdf”.

ANNEX E SAR TEST SETUP PHOTOS

Please refer the document “BL-SZ2520926-AS.pdf”.

ANNEX F CALIBRATION REPORT

Please refer the document “BL-SZ2520926-AC.pdf”.

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