TEST REPORT

Applicant:	Guangdong OPPO Mobile Telecommunications Corp., Ltd.
Address:	NO.18 HaiBin Road, Wusha Village, Chang'an Town, DongGuan City, Guangdong Province, P.R. China
Equipment Type:	Mobile Phone
Model Name:	CPH2743
Brand Name:	OPPO
FCC ID:	R9C-OP24335
Test Standard:	FCC 47 CFR Part 2.1093 (refer to section 3.1)
Maximum SAR:	Head (1 g@0mm): 1.19 W/kg Body-worn (1 g@15mm): 0.64 W/kg Hotspot (1 g@10mm): 1.06 W/kg Specific (10 g@0mm): 2.79 W/kg
Sample Arrival Date:	Apr. 03, 2025
Test Date:	Apr. 03, 2025 - May 11, 2025
Date of Issue:	May 20, 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	May 20, 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	Guangdong OPPO Mobile Telecommunications Corp., Ltd.
Address	NO.18 HaiBin Road, Wusha Village, Chang'an Town, DongGuan City, Guangdong Province, P.R. China

2.2 Manufacturer Information

Manufacturer	Guangdong OPPO Mobile Telecommunications Corp., Ltd.
Address	NO.18 HaiBin Road, Wusha Village, Chang'an Town, DongGuan City, Guangdong Province, P.R. China

2.3 General Description for Equipment under Test (EUT)

EUT Name	Mobile Phone
Model Name Under Test	CPH2743
Series Model Name	N/A
Description of Model name differentiation	N/A
Hardware Version	11
Software Version	ColorOS 15.0
Dimensions (Approx.)	N/A
Weight (Approx.)	N/A
EUT ID	S09, S10, S07, S08, S11, S12
IMEI Number	S09: IMEI1: 860247070037177; IMEI2: 860247070037169
	S10: IMEI1: 860247070022591; IMEI2: 860247070022583
	S07: IMEI1: 860247070022690; IMEI2: 860247070022682
	S08: IMEI1: 860247070026337; IMEI2: 860247070026329
	S11: IMEI1: 860247070026899; IMEI2: 860247070026881
	S12: IMEI1: 860247070026758; IMEI2: 860247070026741
Note1: EUT ID is used to identify the test sample in the lab internally. Note2: It is performed to test SAR with the EUT S07, S08, S11, S12 and conducted power with the EUT S09 & S10.	

2.4 Ancillary Equipment

Please refer the document “BL-SZ2530966-AW EUT external photo.pdf”.

2.5 Technical Information

Network and Wireless connectivity	2G Network GSM/GPRS/EDGE 850/900/1900 3G Network WCDMA/HSDPA/HSUPA Band 2/4/5/8 4G Network FDD LTE Band 2/4/5/7/8/12/13/17/18/19/26/28/66 TDD LTE Band 38/41/48 LTE CA Uplink (UL): CA_2C, CA_7C, CA_38C, CA_41C, CA_4A-5A, CA_5A-7A, CA_5A-66A 5G Network SA: NR n2/n5/n7/n12/n26/n38/n41/n66 NSA(EN-DC): DC_7A_n5A, DC_66A_n5A, DC_2A_n7A, DC_4A_n7A, DC_5A_n7A, DC_66A_n7A, DC_7A_n26A, DC_2A_n38A, DC_4A_n38A, DC_5A_n38A, DC_66A_n38A, DC_2A_n41A, 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) 2.4G WIFI 802.11b, 802.11g, 802.11n(HT20/40), VHT20/40 5G WIFI 802.11a, 802.11n(HT20/40), 802.11ac(VHT20/40/80) GNSS, NFC
Note: The EUT is a mobile phone, which supports dual SIM card under the same transceiver. Each SIM supports GSM, WCDMA and LTE, and both SIM share the same transmitting electro circuit, NV parameters, so only SIM1 was tested in this report.	

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

Operating Mode	GSM, WCDMA, LTE, NR, 2.4G WIFI, 5G WIFI, Bluetooth		
Frequency Range	GSM 850	TX: 824 ~ 849 MHz	RX: 869 ~ 894 MHz
	GSM 900	TX: 880 ~ 915 MHz	RX: 925 ~ 960 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
	WCDMA Band 8	TX: 880 ~ 915 MHz	RX: 925 ~ 960 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 8	TX: 880 ~ 915 MHz	RX: 925 ~ 960 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 18	TX: 815 ~ 824 MHz	RX: 860 ~ 869 MHz
		TX: 824 ~ 830 MHz	RX: 869 ~ 875 MHz
	LTE Band 19	TX: 830 ~ 845 MHz	RX: 875 ~ 890 MHz
	LTE Band 26	TX: 814 ~ 824 MHz	RX: 859 ~ 869 MHz
		TX: 824 ~ 849 MHz	RX: 869 ~ 894 MHz
	LTE Band 28	TX: 703 ~ 748 MHz	RX: 758~ 803 MHz
	LTE Band 38	TX: 2570 ~ 2620 MHz	RX: 2570 ~ 2620 MHz
	LTE Band 41	TX: 2496 ~ 2690 MHz	RX: 2496 ~ 2690 MHz
	LTE Band 66	TX: 1710 ~ 1780 MHz	RX: 2110 ~ 2180 MHz
	LTE Band 48	TX: 3550 ~ 3700 MHz	RX: 3550 ~ 3700 MHz
	NR n2	TX: 1850 ~ 1910 MHz	RX: 1930 ~ 1990 MHz
	NR n5	TX: 824 ~ 849 MHz	RX: 869 ~ 894 MHz
	NR n7	TX: 2500 ~ 2570 MHz	RX: 2620 ~ 2690 MHz
	NR n12	TX: 699 ~ 716 MHz	RX: 729 ~ 746 MHz
	NR n26	TX: 814 ~ 824 MHz	RX: 859 ~ 869 MHz
		TX: 824 ~ 849 MHz	RX: 869 ~ 894 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: IFA Antenna WIFI: IFA Antenna Bluetooth: IFA 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/IEEE C95.1-1992	IEEE Standard for Safety Levels with Respect to Human Exposure to Radio Frequency Electromagnetic Fields, 3 kHz to 300 GHz
3	IEEE Std. 1528-2013	IEEE Recommended Practice for Determining the Peak Spatial-Average Specific Absorption Rate(SAR) in the Human Head from Wireless Communications Devices: Measurement Techniques
4	KDB 447498 D04 v01	447498 D04 Interim General RF Exposure Guidance v01
5	KDB 941225 D01 v03r01	3G SAR MEAUREMENT PROCEDURES
6	KDB 941225 D05 v02r05	SAR Evaluation Considerations for LTE Devices
7	KDB 941225 D05A v01r02	REL. 10 LTE SAR TEST GUIDANCE AND KDB INQUIRIES
8	KDB 941225 D06 v02r01	SAR EVALUATION PROCEDURES FOR PORTABLE DEVICES WITH WIRELESS ROUTER CAPABILITIES
9	KDB 865664 D01 v01r04	SAR Measurement 100 MHz to 6 GHz
10	KDB 865664 D02 v01r02	RF Exposure Reporting
11	KDB 648474 D04 v01r03	SAR EVALUATION CONSIDERATIONS FOR WIRELESS HANDSETS
12	KDB 248227 D01 v02r02	SAR GUIDANCE FOR IEEE 802.11 (Wi-Fi) TRANSMITTERS

3.2 Device Category and SAR Limit

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

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

Table of Exposure Limits:

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

NOTE:

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

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

3.3 Test Result Summary

3.3.1 Highest SAR Values

Equipment Class	Band	Maximum Scaled SAR (W/kg)				Maximum Report SAR (W/kg)			
		Head (0mm)	Body-worn (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	1.19	0.64	1.06	/	1.19	0.64	1.06	2.79
	GSM 900	1.06	0.58	1.00	/				
	GSM 1900	0.95	0.19	0.57	/				
	WCDMA Band 2	0.86	0.33	0.54					
	WCDMA Band 4	0.74	0.33	0.49	/				
	WCDMA Band 5	1.03	0.50	0.79	/				
	WCDMA Band 8	1.15	0.52	0.92	/				
	LTE Band 2	0.91	0.30	0.78	/				
	LTE Band 4	1.05	0.31	0.60	/				
	LTE Band 5	1.19	0.38	0.64	/				
	LTE Band 7	1.19	0.35	0.62	/				
	LTE Band 8	1.11	0.35	0.62	/				
	LTE Band 12	1.19	0.37	0.68	/				
	LTE Band 13	1.07	0.40	0.82	/				
	LTE Band 17	1.17	0.36	0.60	/				
	LTE Band 18	1.07	0.34	0.57	/				
	LTE Band 19	1.18	0.37	0.58	/				
	LTE Band 26	1.11	0.41	0.64	/				
	LTE Band 28	1.18	0.41	0.75	/				
	LTE Band 66	1.13	0.43	0.66	/				
	LTE Band 38	1.13	0.27	0.38	/				
	LTE Band 41	1.19	0.32	0.49	/				
	LTE Band 48	0.95	0.21	0.63	/				
	NR n2	0.91	0.31	0.52	/				
	NR n5	0.85	0.29	0.49	/				
	NR n7	0.90	0.28	0.31	/				
	NR n12	1.05	0.21	0.40	/				
	NR n26	1.01	0.38	0.50	/				
	NR n66	1.12	0.34	0.42	/				
	NR n38	1.04	0.37	0.69	/				
	NR n41	0.90	0.37	0.55	/				

DTS	2.4G WIFI	1.07	0.28	0.35	1.81				
NII	5.2G WIFI	/	/	0.24	/				
	5.3G WIFI	0.82	0.28	/	2.39				
	5.6G WIFI	0.51	0.34	/	2.79				
	5.8G WIFI	0.47	0.27	0.25	2.58				
DSS	Bluetooth	0.38	0.25	0.28	0.80				
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	**1.41**	**0.85**	**1.40**	/
DTS	1.40	0.68	**1.40**	/
NII	**1.41**	**0.85**	1.29	**1.85**
DSS	1.37	**0.85**	1.34	**1.85**
Limit (W/Kg)	1.60	1.60	1.60	4.00
Verdict	Pass			
Note: The highest simultaneous SAR please refer section 12.2				

3.4 Test Uncertainty

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

The maximum 1 g SAR for the EUT in this report is 1.19 W/kg, which is lower than 1.5 W/kg, so the extensive SAR measurement uncertainty analysis is not required in this report.
The maximum 10 g SAR for the EUT in this report is 2.79 W/kg, which is lower than 3.75 W/kg, so the extensive SAR measurement uncertainty analysis is not required in this report.

4 MEASUREMENT SYSTEM

4.1 Specific Absorption Rate (SAR) Definition

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

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

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

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

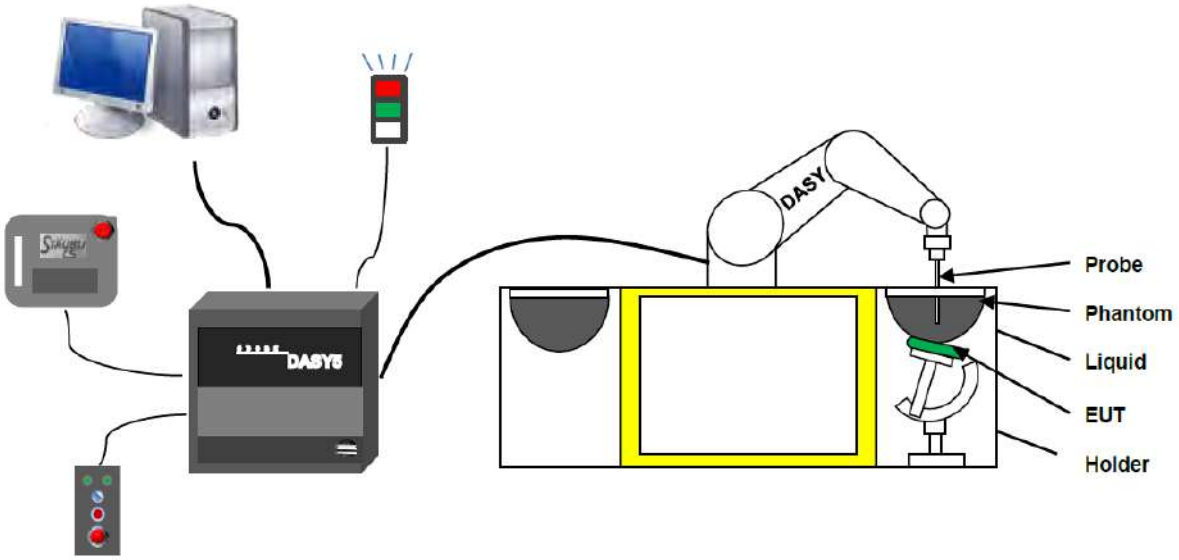
$$\mathbf{SAR} = \frac{\boldsymbol{\sigma}\mathbf{E}^{2}}{\boldsymbol{\rho}}$$

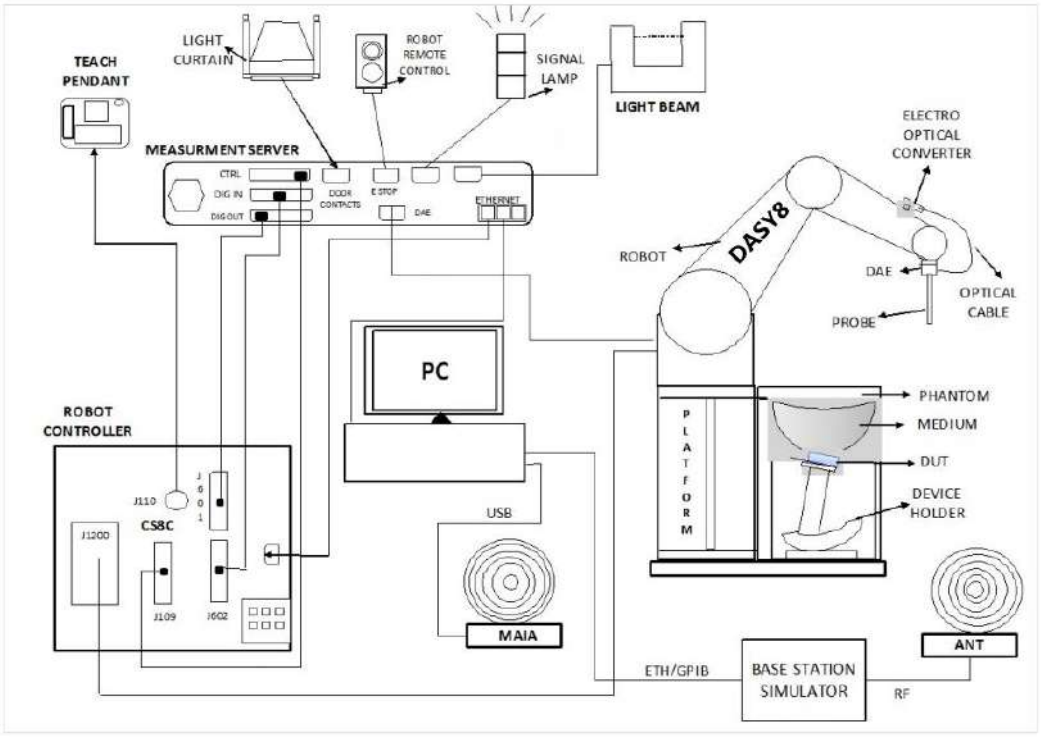
Where: σ is the conductivity of the tissue,

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

4.2 DASY SAR System

4.2.1 DASY SAR System Diagram





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

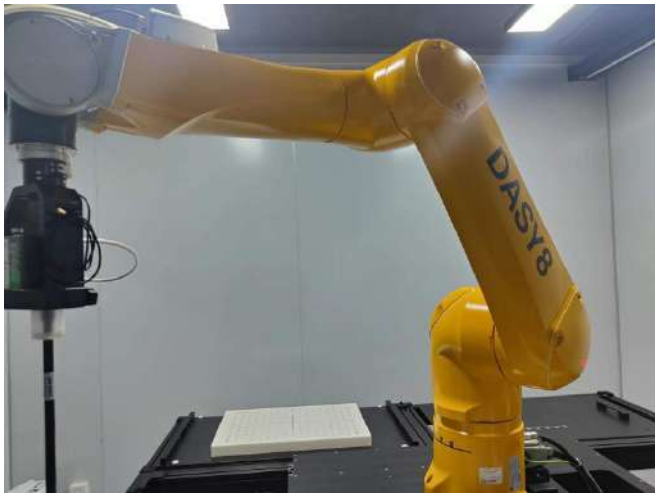
1. A standard high precision 6-axis robot (Stäubli RX family) with controller and software. An arm extension for accommodating the data acquisition electronics (DAE).
2. A dosimetric probe, i.e. an isotropic E-field probe optimized and calibrated for usage in tissue simulating liquid. The probe is equipped with an optical surface detector system.
3. A data acquisition electronic (DAE) which performs the signal amplification, signal multiplexing, AD-conversion, offset measurements, mechanical surface detection, collision detection, etc. The unit is

battery powered with standard or rechargeable batteries. The signal is optically transmitted to the EOC.

4. A unit to operate the optical surface detector which is connected to the EOC.
5. The Electro-Optical Coupler (EOC) performs the conversion from the optical into a digital electric signal of the DAE. The EOC is connected to the DASY measurement server.
6. The DASY measurement server, which performs all real-time data evaluation for field measurements and surface detection, controls robot movements and handles safety operation.
7. DASY software and SEMCAD data evaluation software.
8. Remote control with teach panel and additional circuitry for robot safety such as warning lamps, etc.
9. The generic twin phantom enabling the testing of left-hand and right-hand usage.
10. The device holder for handheld mobile phones.
11. Tissue simulating liquid mixed according to the given recipes.
12. System validation dipoles allowing to validate the proper functioning of the system.

4.2.2 Robot

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



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

4.2.3 E-Field Probe

The probe is specially designed and calibrated for use in liquids with high permittivities for the measurements the Specific Dosimetric E-Field Probe EX3DV4-SN:7510&7893 with following specifications is used.

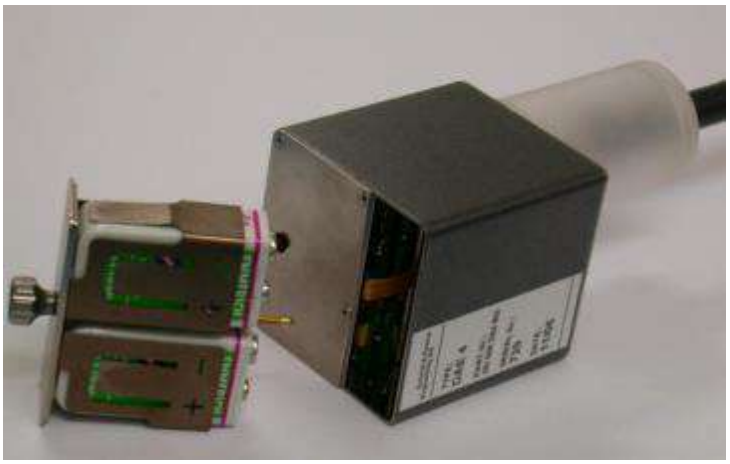
Construction	Symmetrical design with triangular core Built-in optical fiber for surface detection systemBuilt-in shielding against static charges PEEK enclosure material (resistant to organic solvents, e.g., glycolether)
Calibration	ISO/IEC 17025 calibration service available
Frequency	10 MHz to 6 GHz; Linearity: ± 0.2 dB (30 MHz to 6 GHz)
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 CENELEC EN 62209-1/-2 and IEEE 1528 std, with CALISAR, Antennessa proprietary calibration system. The calibration is performed with the EN 62209-1/2 annexe technique using reference guide at the five frequencies.

4.2.4 Data Acquisition Electronics

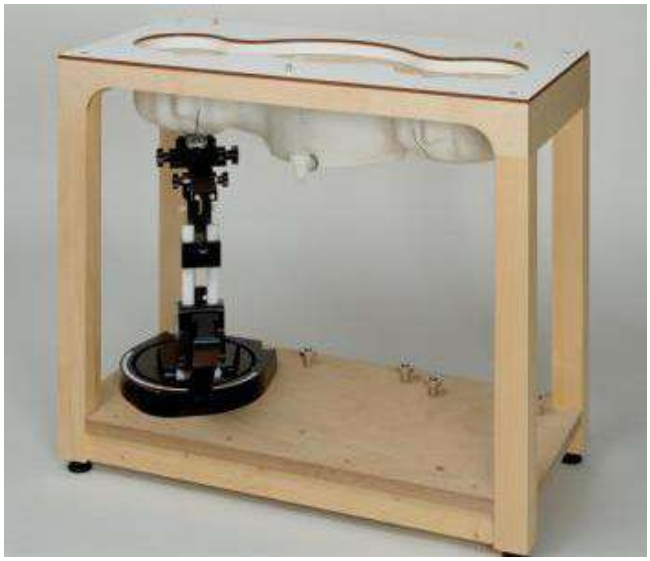
The data acquisition electronics (DAE) consist of a highly sensitive electrometer-grade preamplifier with auto-zeroing, a channel and gain-switching multiplexer, a fast 16 bit AD-converte and a command decoder with a control logic unit. Transmission to the measurement server is accomplished through an 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 SN2090

Photo of Phantom SN1576

Photo of Phantom SN1859

Serial Number	Material	Length	Height
SN 2090 SAM1	Vinylester, glass fiber reinforced	1000	500
SN 1576 SAM2	Vinylester, glass fiber reinforced	1000	500
SN 1859 SAM2	Vinylester, glass fiber reinforced	1000	500

4.2.6 Device Holder

The DASY5 device holder has two scales for device rotation (with respect to the body axis) and the device inclination (with respect to the line between the ear openings). The plane between the ear openings and the mouth tip has a rotation angle of 65°. The bottom plate contains three pair of bolts for locking the device holder. The device holder positions are adjusted to the standard measurement positions in the three sections. This device holder is used for standard mobile phones or PDA"s only. If necessary an additional support of polystyrene material is used. Larger DUT"s (e.g. notebooks) cannot be tested using this device holder. Instead a support of bigger polystyrene cubes and thin polystyrene plates is used to position the DUT in all relevant positions to find and measure spots with maximum SAR values. Therefore those devices are normally only tested at the flat part of the SAM.

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

4.2.7 Simulating Liquid

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

Head Liquid Depth	Body Liquid Depth
	

The following table gives the recipes for tissue simulating liquid.

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

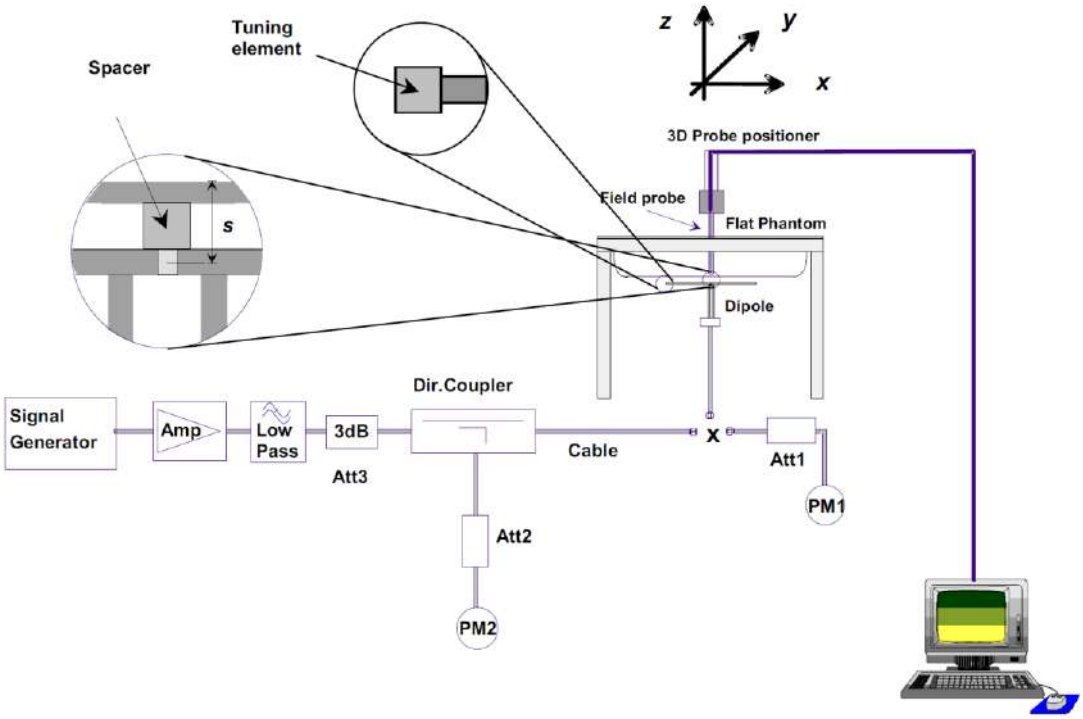
5 SYSTEM VERIFICATION

5.1 Purpose of System Check

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

5.2 System Check Setup

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



6 TEST POSITION CONFIGURATIONS

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

6.1 Head Exposure Conditions

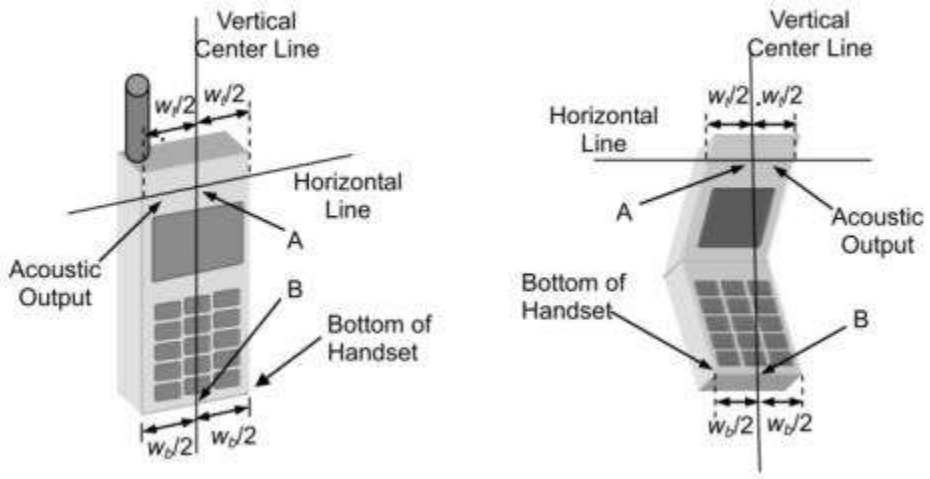
Head exposure is limited to next to the ear voice mode operations. Head SAR compliance is tested according to the test positions defined in IEEE Std 1528-2013 using the SAM phantom illustrated as below.

6.1.1 Two Imaginary Lines on the Handset

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

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

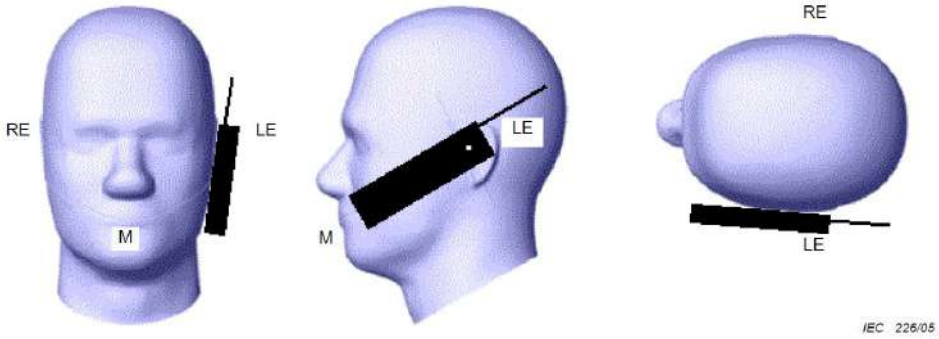
(c) The two lines intersect at point A. Note that for many handsets, point A coincides with the center of the acoustic output; however, the acoustic output may be located elsewhere on the horizontal line. Also note that the vertical center line is not necessarily parallel to the front face of the handset,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



6.1.2 Cheek Position

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

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



6.1.3 Tilted Position

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

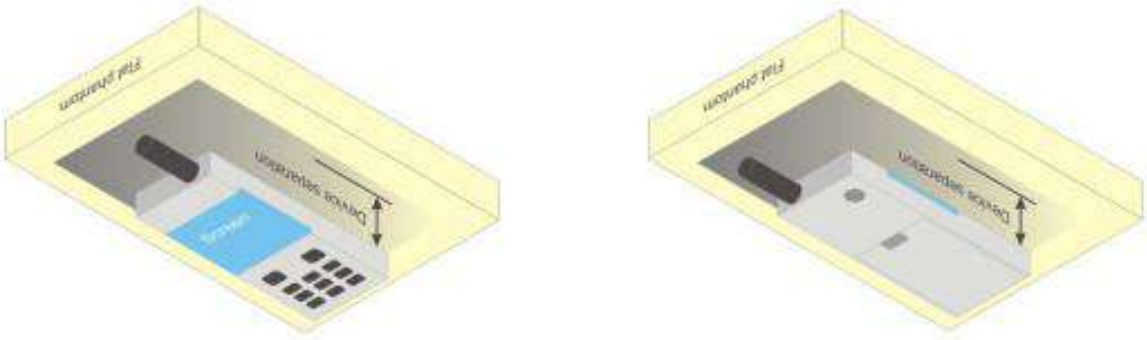
(b) While maintaining the device the reference plane described above and pivoting against the ear, moves it outward away from the mouth by an angle of 15 degrees or until contact with the ear is lost.

6.2 Body-worn Position Conditions

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

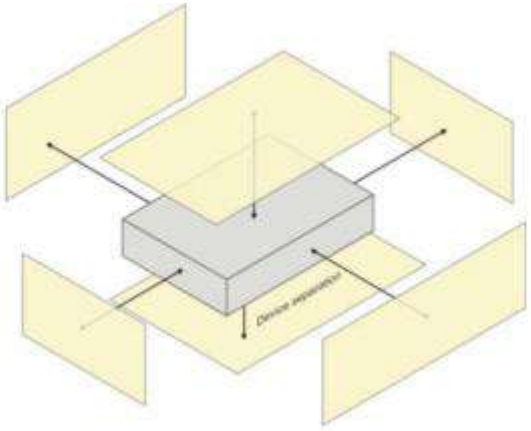
Body-worn accessories that do not contain metallic or conductive components may be tested according to worst-case exposure configurations, typically according to the smallest test separation distance required for the group of body-worn accessories with similar operating and exposure characteristics.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

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



6.3 Hotspot Mode Exposure Position Conditions

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



6.4 Product Specific 10g Exposure Consideration

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

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

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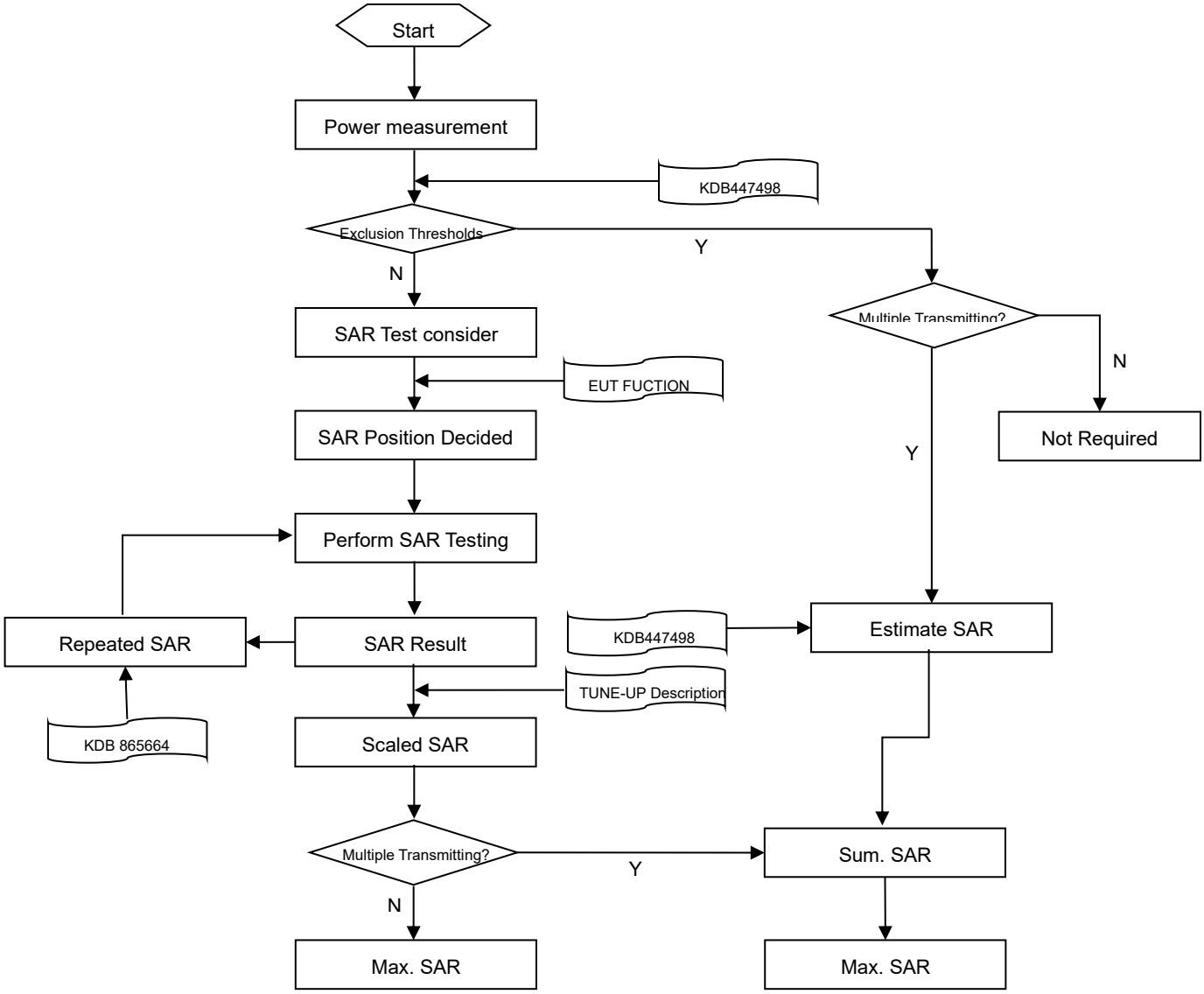
7 MEASUREMENT PROCEDURE

7.1 Measurement Process Diagram



7.2 SAR Scan General Requirement

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

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

7.3 Measurement Procedure

The following steps are used for each test position

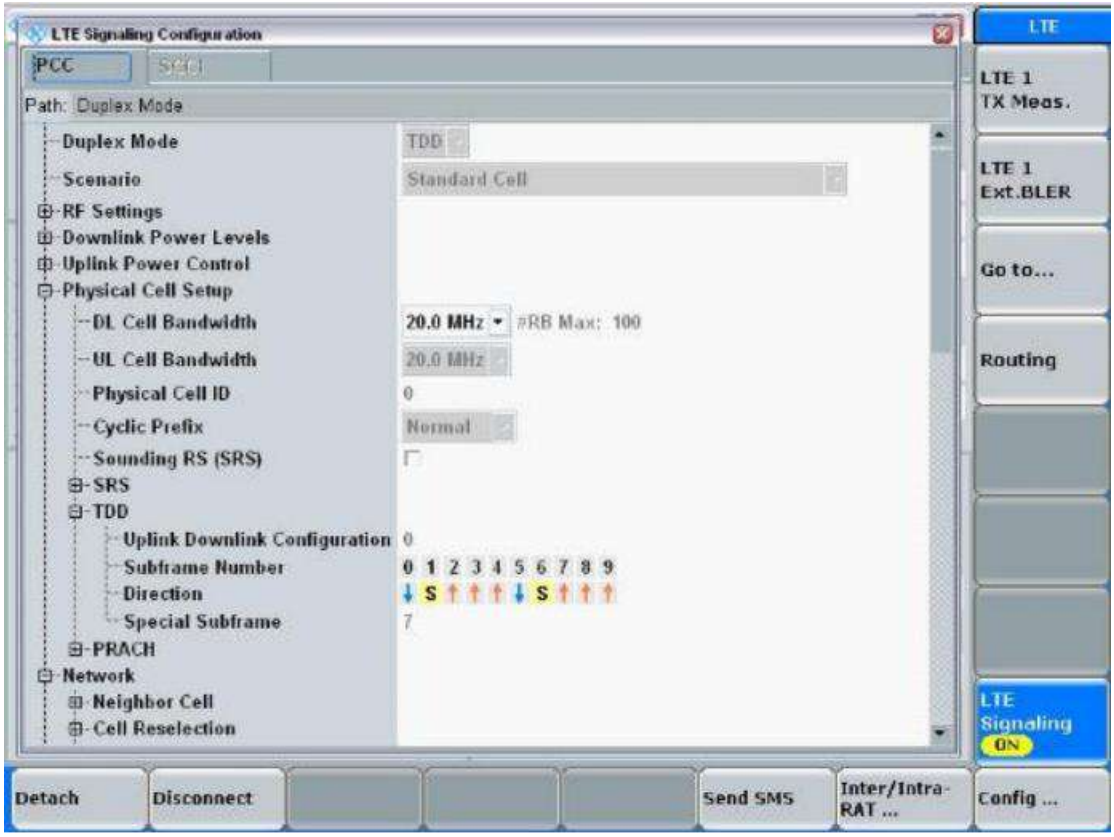
a. Establish a call with the maximum output power with a base station simulator. The connection between the mobile and the base station simulator is established via air interface
b. Measurement of the local E-field value at a fixed location. This value serves as a reference value for calculating a possible power drift.
c. Measurement of the SAR distribution with a grid of 8 to 16mm * 8 to16 mm and a constant distance to the inner surface of the phantom. Since the sensors cannot directly measure at the inner phantom surface, the values between the sensors and the inner phantom surface are extrapolated. With these values the area of the maximum SAR is calculated by an interpolation scheme.
d. Around this point, a cube of 30 * 30 * 30 mm or 32 * 32 *32 mm is assessed by measuring 5 or 8 * 5 or 8*4 or 5 mm. With these data, the peak spatial-average SAR value can be calculated.

7.4 Area & Zoom Scan Procedure

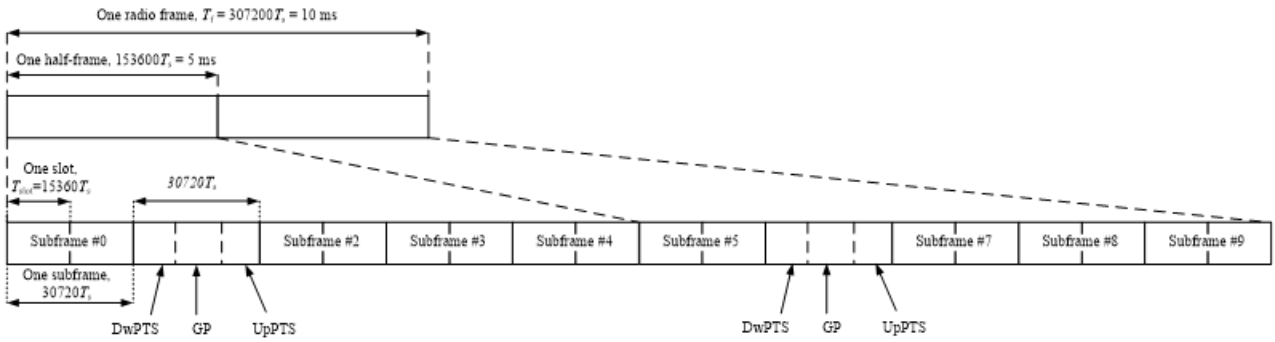
First Area Scan is used to locate the approximate location(s) of the local peak SAR value(s). The measurement grid within an Area Scan is defined by the grid extent, grid step size and grid offset. Next, in order to determine the EM field distribution in a three-dimensional spatial extension, Zoom Scan is required. The Zoom Scan is performed around the highest E-field value to determine the averaged SAR-distribution over 10 g. Area scan and zoom scan resolution setting follows KDB 865664 D01v01r04 quoted below.
When the 1 g SAR of the highest peak is within 2 dB of the SAR limit, additional zoom scans are required for other peaks within 2 dB of the highest peak that have not been included in any zoom scan to ensure there is no increase in SAR.

7.5 Area & Zoom Scan Procedure

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·T_s	2192·T_s	2560·T_s	7680·T_s	2192·T_s	2560·T_s
1	19760·T_s			20480·T_s		
2	21592·T_s			23040·T_s		
3	24144·T_s			25600·T_s		
4	26336·T_s			7680·T_s	2560·T_s	5120·T_s
5	6592·T_s	4384·T_s	5120·T_s	20480·T_s		
6	19760·T_s			23040·T_s		
7	21592·T_s			12800·T_s		
8	24144·T_s			-	-	-
9	13168·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-SZ2530966-AP Power List.pdf”.

8.2 WCDMA

Please refer the document “BL-SZ2530966-AP Power List.pdf”.

8.3 LTE

Please refer the document “BL-SZ2530966-AP Power List.pdf”.

8.4 Intra-Band Uplink CA Normal Power

Note:
1. This devices supports intra-band uplink CA of 2C/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-SZ2530966-AP Power List.pdf”.

8.5 Downlink CA Normal Power

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

Please refer the document “BL-SZ2530966-AP Power List.pdf”.

8.6 NR 5G

Please refer the document “BL-SZ2530966-AP Power List.pdf”.

8.7 WIFI

8.7.1 2.4G WIFI-ANT8 Full power

Band	Mode	Channel	Freq.	Conducted Power (dBm)	Tune-up Power(dBm)	SAR Test Require.
2.4	802.11 b	1	2412	17.24	18.00	No
		6	2437	17.86	18.00	No
		11	2462	17.52	18.00	No
	802.11 g	1	2412	16.35	17.00	No
		2	2417	19.35	20.00	No
		6	2437	19.44	20.00	No
		7	2442	19.41	20.00	No
		9	2452	16.35	17.00	No
		10	2457	15.42	16.00	No
		11	2462	14.43	15.00	No
	802.11 n (HT20)	1	2412	15.96	17.00	No
		2	2417	18.96	20.00	No
		3	2422	20.26	21.00	No
		6	2437	20.43	21.00	No
		7	2442	20.32	21.00	No
		8	2447	15.30	16.00	No
		9	2452	14.31	15.00	No
		10	2457	14.35	15.00	No
		11	2462	14.08	15.00	No
	802.11 n (HT40)	3	2422	11.86	12.00	No
		4	2427	11.78	12.00	No
		5	2432	12.83	13.00	No
		6	2437	12.91	13.00	No
		7	2452	12.76	13.00	No
		8	2447	11.71	12.00	No
		9	2452	11.90	12.00	No
	VHT20	1	2412	15.98	17.00	No
		2	2417	18.96	20.00	No
		3	2422	20.36	21.00	No
		6	2437	20.40	21.00	No
		7	2442	20.37	21.00	No
		8	2447	15.32	16.00	No
		9	2452	14.31	15.00	No
		10	2457	14.34	15.00	No
		11	2462	14.06	15.00	No
	VHT40	3	2422	11.83	12.00	No
		4	2427	11.86	12.00	No
		5	2432	12.92	13.00	No

		6	2437	12.93	13.00	No
		7	2452	11.81	12.00	No
		8	2447	11.80	12.00	No
		9	2452	11.92	12.00	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.

8.7.2 2.4G WIFI-ANT8 Level1

Band	Mode	Channel	Freq.	Conducted Power (dBm)	Tune-up Power(dBm)	SAR Test Require.
2.4	802.11 b	1	2412	15.22	16.00	Yes
		6	2437	**15.84**	16.00	Yes
		11	2462	15.68	16.00	Yes
	802.11 g	1	2412	15.35	16.00	No
		2	2417	/	16.00	No
		6	2437	15.33	16.00	No
		7	2442	/	16.00	No
		9	2452	/	16.00	No
		10	2457	15.42	16.00	No
		11	2462	14.43	15.00	No
	802.11 n (HT20)	1	2412	15.06	16.00	No
		2	2417	/	16.00	No
		3	2422	/	16.00	No
		6	2437	15.29	16.00	No
		7	2442	/	16.00	No
		8	2447	15.30	16.00	No
		9	2452	14.31	15.00	No
		10	2457	14.35	15.00	No
		11	2462	14.08	15.00	No
	802.11 n (HT40)	3	2422	11.86	12.00	No
		4	2427	11.78	12.00	No
		5	2432	12.83	13.00	No
		6	2437	12.91	13.00	No
		7	2452	12.76	13.00	No
		8	2447	11.71	12.00	No
		9	2452	11.90	12.00	No
	VHT20	1	2412	15.12	16.00	No
		2	2417	/	16.00	No
		3	2422	15.50	16.00	No
		6	2437	15.50	16.00	No
		7	2442	/	16.00	No
		8	2447	15.32	16.00	No
		9	2452	14.31	15.00	No
		10	2457	14.34	15.00	No
		11	2462	14.06	15.00	No
	VHT40	3	2422	11.83	12.00	No
		4	2427	11.86	12.00	No
		5	2432	12.92	13.00	No
		6	2437	12.93	13.00	No

		7	2452	11.81	12.00	No
		8	2447	11.80	12.00	No
		9	2452	11.92	12.00	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 = 1.071 * (39.81mW/39.81mW) = 1.071 W/Kg, so 2.4G OFDM SAR test is not required.

8.7.3 2.4G WIFI-ANT8 Level3

Band	Mode	Channel	Freq.	Conducted Power (dBm)	Tune-up Power(dBm)	SAR Test Require.
2.4	802.11 b	1	2412	13.42	14.00	No
		6	2437	**13.90**	14.00	Yes
		11	2462	13.47	14.00	No
	802.11 g	1	2412	13.34	14.00	No
		2	2417	/	14.00	No
		6	2437	13.35	14.00	No
		7	2442	/	14.00	No
		9	2452	/	14.00	No
		10	2457	/	14.00	No
		11	2462	13.53	14.00	No
	802.11 n (HT20)	1	2412	13.04	14.00	No
		2	2417	/	14.00	No
		3	2422	/	14.00	No
		6	2437	13.45	14.00	No
		7	2442	/	14.00	No
		8	2447	/	14.00	No
		9	2452	/	14.00	No
		10	2457	/	14.00	No
		11	2462	12.93	14.00	No
	802.11 n (HT40)	3	2422	11.86	12.00	No
		4	2427	12.78	13.00	No
		5	2432	12.83	13.00	No
		6	2437	12.91	13.00	No
		7	2452	12.76	13.00	No
		8	2447	11.71	12.00	No
		9	2452	11.90	12.00	No
	VHT20	1	2412	13.10	14.00	No
		2	2417	/	14.00	No
		3	2422	13.50	14.00	No
		6	2437	13.50	14.00	No
		7	2442	/	14.00	No
		8	2447	/	14.00	No
		9	2452	/	14.00	No
		10	2457	/	14.00	No
		11	2462	13.25	14.00	No
	VHT40	3	2422	11.83	12.00	No
		4	2427	11.86	12.00	No
		5	2432	12.92	13.00	No
		6	2437	12.93	13.00	No

		7	2452	11.81	12.00	No
		8	2447	11.80	12.00	No
		9	2452	11.92	12.00	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 = 0.454 * (25.12mW/25.12mW) = 0.454 W/Kg, so 2.4G OFDM SAR test is not required.

8.7.4 2.4G WIFI-ANT8 Level5

Band	Mode	Channel	Freq.	Conducted Power (dBm)	Tune-up Power(dBm)	SAR Test Require.
2.4	802.11 b	1	2412	17.24	18.00	No
		6	2437	**17.86**	18.00	Yes
		11	2462	17.52	18.00	No
	802.11 g	1	2412	16.35	17.00	No
		2	2417	19.35	20.00	No
		6	2437	**19.44**	20.00	Yes
		7	2442	19.41	20.00	No
		9	2452	16.35	17.00	No
		10	2457	15.42	16.00	No
		11	2462	14.43	15.00	No
	802.11 n (HT20)	1	2412	15.96	17.00	No
		2	2417	18.96	20.00	No
		3	2422	20.26	21.00	No
		6	2437	20.43	21.00	No
		7	2442	20.32	21.00	No
		8	2447	15.30	16.00	No
		9	2452	14.31	15.00	No
		10	2457	14.35	15.00	No
		11	2462	14.08	15.00	No
	802.11 n (HT40)	3	2422	11.86	12.00	No
		4	2427	11.78	12.00	No
		5	2432	12.83	13.00	No
		6	2437	12.91	13.00	No
		7	2452	12.76	13.00	No
		8	2447	11.71	12.00	No
		9	2452	11.90	12.00	No
	VHT20	1	2412	15.98	17.00	No
		2	2417	18.96	20.00	No
		3	2422	20.36	21.00	No
		6	2437	20.40	21.00	No
		7	2442	20.37	21.00	No
		8	2447	15.32	16.00	No
		9	2452	14.31	15.00	No
		10	2457	14.34	15.00	No
		11	2462	14.06	15.00	No
	VHT40	3	2422	11.83	12.00	No
		4	2427	11.86	12.00	No
		5	2432	12.92	13.00	No
		6	2437	12.93	13.00	No

		7	2452	11.81	12.00	No
		8	2447	11.80	12.00	No
		9	2452	11.92	12.00	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.

8.7.5 2.4G WIFI-ANT8 Level7

Band	Mode	Channel	Freq.	Conducted Power (dBm)	Tune-up Power(dBm)	SAR Test Require.
2.4	802.11 b	1	2412	17.24	18.00	No
		6	2437	**17.86**	18.00	Yes
		11	2462	17.52	18.00	No
	802.11 g	1	2412	16.35	17.00	No
		2	2417	17.84	18.50	No
		6	2437	**17.88**	18.50	Yes
		7	2442	17.82	18.50	No
		9	2452	16.35	17.00	No
		10	2457	15.42	16.00	No
		11	2462	14.43	15.00	No
	802.11 n (HT20)	1	2412	15.96	17.00	No
		2	2417	17.51	18.50	No
		3	2422	17.51	18.50	No
		6	2437	17.87	18.50	No
		7	2442	17.63	18.50	No
		8	2447	15.30	16.00	No
		9	2452	14.31	15.00	No
		10	2457	14.35	15.00	No
		11	2462	14.08	15.00	No
	802.11 n (HT40)	3	2422	11.86	12.00	No
		4	2427	11.78	12.00	No
		5	2432	12.83	13.00	No
		6	2437	12.91	13.00	No
		7	2452	12.76	13.00	No
		8	2447	11.71	12.00	No
		9	2452	11.90	12.00	No
	VHT20	1	2412	15.98	17.00	No
		2	2417	17.48	18.50	No
		3	2422	18.06	18.50	No
		6	2437	18.06	18.50	No
		7	2442	17.95	18.50	No
		8	2447	15.32	16.00	No
		9	2452	14.31	15.00	No
		10	2457	14.34	15.00	No
		11	2462	14.06	15.00	No
	VHT40	3	2422	11.83	12.00	No
		4	2427	11.86	12.00	No
		5	2432	12.92	13.00	No
		6	2437	12.93	13.00	No

		7	2452	11.81	12.00	No
		8	2447	11.80	12.00	No
		9	2452	11.92	12.00	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.

8.7.6 5G WIFI-ANT8 Full power

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
5.2	802.11a	36	5180	14.51	15.00	No
		40	5200	17.85	18.00	No
		44	5220	20.61	21.00	No
		48	5240	20.70	21.00	No
	802.11n(HT20)	36	5180	14.52	15.00	No
		40	5200	19.65	20.00	No
		44	5220	19.48	20.00	No
		48	5240	19.57	20.00	No
	802.11n(HT40)	38	5190	12.05	13.00	No
		46	5230	19.16	20.00	No
	802.11ac(VHT20)	36	5180	14.45	15.00	No
		40	5200	19.69	20.00	No
		44	5220	19.51	20.00	No
		48	5240	19.56	20.00	No
	802.11ac(VHT40)	38	5190	12.46	13.00	No
		46	5230	19.31	20.00	No
	802.11ac(VHT80)	42	5210	12.29	13.00	No
5.3	802.11a	52	5260	20.31	21.00	No
		56	5280	20.14	21.00	No
		60	5300	14.69	16.00	No
		64	5320	10.62	12.00	No
	802.11n(HT20)	52	5260	19.21	20.00	No
		56	5280	19.04	20.00	No
		60	5300	15.49	17.00	No
		64	5320	11.56	13.00	No
	802.11n(HT40)	54	5270	19.02	20.00	No
		62	5310	9.63	11.00	No
	802.11ac(VHT20)	52	5260	19.18	20.00	No
		56	5280	18.93	20.00	No
		60	5300	15.56	17.00	No
		64	5320	11.54	13.00	No
	802.11ac(VHT40)	54	5270	19.03	20.00	No
		62	5310	9.71	11.00	No
	802.11ac(VHT80)	58	5290	7.82	9.00	No
5.6	802.11a	100	5500	11.46	12.00	No
		104	5520	15.93	17.00	No
		108	5540	19.91	21.00	No
		116	5580	19.42	21.00	No
		132	5660	19.86	21.00	No

		136	5680	12.96	14.00	No
		140	5700	9.56	10.00	No
	802.11n(HT20)	100	5500	12.19	13.00	No
		104	5520	15.91	17.00	No
		108	5540	18.91	20.00	No
		116	5580	18.32	20.00	No
		132	5660	18.84	20.00	No
		136	5680	11.83	13.00	No
		140	5700	9.15	10.00	No
	802.11n(HT40)	102	5510	12.07	13.00	No
		110	5550	18.78	20.00	No
		118	5590	18.57	20.00	No
		126	5630	18.66	20.00	No
		134	5670	15.93	17.00	No
	802.11ac(VHT20)	100	5500	12.10	13.00	No
		104	5520	16.04	17.00	No
		108	5540	19.01	20.00	No
		116	5580	18.36	20.00	No
		132	5660	18.91	20.00	No
		136	5680	11.90	13.00	No
		140	5700	9.15	10.00	No
	802.11ac(VHT40)	102	5510	12.11	13.00	No
		110	5550	18.36	20.00	No
		118	5590	18.24	20.00	No
		126	5630	18.09	20.00	No
		134	5670	15.85	17.00	No
	802.11ac(VHT80)	106	5530	9.92	11.00	No
		122	5610	15.02	17.00	No
5.8	802.11a	149	5745	19.53	21.00	No
		157	5785	19.11	21.00	No
		165	5825	19.04	21.00	No
	802.11n(HT20)	149	5745	19.46	20.50	No
		157	5785	18.57	20.50	No
		165	5825	18.69	20.50	No
	802.11n(HT40)	151	5755	18.59	20.00	No
		159	5795	18.05	20.00	No
	802.11ac(VHT20)	149	5745	19.41	20.50	No
		157	5785	18.63	20.50	No
		165	5825	18.53	20.50	No
	802.11ac(VHT40)	151	5755	19.03	20.00	No
		159	5795	18.39	20.00	No
	802.11ac(VHT80)	155	5775	18.51	20.00	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.

8.7.7 5G WIFI-ANT8 Level1

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
5.2	802.11a	36	5180	14.51	15.00	No
		40	5200	14.76	15.00	No
		44	5220	14.61	15.00	No
		48	5240	14.52	15.00	No
	802.11n(HT20)	36	5180	14.72	15.00	No
		40	5200	14.69	15.00	No
		44	5220	14.62	15.00	No
		48	5240	14.44	15.00	No
	802.11n(HT40)	38	5190	12.05	13.00	No
		46	5230	14.07	15.00	No
	802.11ac(VHT20)	36	5180	14.45	15.00	No
		40	5200	14.66	15.00	No
		44	5220	14.52	15.00	No
		48	5240	14.49	15.00	No
	802.11ac(VHT40)	38	5190	12.46	13.00	No
		46	5230	14.49	15.00	No
	802.11ac(VHT80)	42	5210	12.29	13.00	No
5.3	802.11a	52	5260	14.37	15.00	No
		56	5280	14.09	15.00	No
		60	5300	13.61	15.00	No
		64	5320	10.62	12.00	No
	802.11n(HT20)	52	5260	14.33	15.00	No
		56	5280	14.04	15.00	No
		60	5300	13.48	15.00	No
		64	5320	11.56	13.00	No
	802.11n(HT40)	54	5270	**14.00**	15.00	Yes
		62	5310	9.63	11.00	Yes
	802.11ac(VHT20)	52	5260	14.29	15.00	No
		56	5280	13.94	15.00	No
		60	5300	13.43	15.00	No
		64	5320	11.54	13.00	No
	802.11ac(VHT40)	54	5270	14.10	15.00	No
		62	5310	9.71	11.00	No
	802.11ac(VHT80)	58	5290	7.82	9.00	No
5.6	802.11a	100	5500	11.46	12.00	No
		104	5520	13.93	15.00	No
		108	5540	/	15.00	No
		116	5580	13.32	15.00	No
		132	5660	14.10	15.00	No

		136	5680	12.96	14.00	No
		140	5700	9.56	10.00	No
	802.11n(HT20)	100	5500	12.19	13.00	No
		104	5520	14.01	15.00	No
		108	5540	/	15.00	No
		116	5580	13.36	15.00	No
		132	5660	13.89	15.00	No
		136	5680	11.83	13.00	No
		140	5700	9.15	10.00	No
	802.11n(HT40)	102	5510	12.07	13.00	No
		110	5550	13.36	15.00	No
		118	5590	13.03	15.00	No
		126	5630	/	15.00	No
		134	5670	13.88	15.00	No
	802.11ac(VHT20)	100	5500	12.10	13.00	No
		104	5520	14.04	15.00	No
		108	5540	/	15.00	No
		116	5580	13.32	15.00	No
		132	5660	13.85	15.00	No
		136	5680	11.90	13.00	No
		140	5700	9.15	10.00	No
	802.11ac(VHT40)	102	5510	12.11	13.00	No
		110	5550	13.39	15.00	No
		118	5590	13.12	15.00	No
		126	5630	/	15.00	No
		134	5670	13.79	15.00	No
	802.11ac(VHT80)	106	5530	9.92	11.00	No
		122	5610	**13.57**	15.00	Yes
5.8	802.11a	149	5745	13.39	15.00	No
		157	5785	13.26	15.00	No
		165	5825	13.11	15.00	No
	802.11n(HT20)	149	5745	14.03	15.00	No
		157	5785	13.09	15.00	No
		165	5825	13.25	15.00	No
	802.11n(HT40)	151	5755	13.77	15.00	No
		159	5795	13.03	15.00	No
	802.11ac(VHT20)	149	5745	13.94	15.00	No
		157	5785	13.29	15.00	No
		165	5825	13.02	15.00	No
	802.11ac(VHT40)	151	5755	13.97	15.00	No
		159	5795	13.32	15.00	No
	802.11ac(VHT80)	155	5775	**13.53**	15.00	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.

8.7.8 5G WIFI-ANT8 Level2

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
5.2	802.11a	36	5180	13.63	14.00	No
		40	5200	13.82	14.00	No
		44	5220	13.53	14.00	No
		48	5240	13.69	14.00	No
	802.11n(HT20)	36	5180	13.54	14.00	No
		40	5200	13.71	14.00	No
		44	5220	13.51	14.00	No
		48	5240	13.45	14.00	No
	802.11n(HT40)	38	5190	12.05	13.00	No
		46	5230	13.04	14.00	No
	802.11ac(VHT20)	36	5180	13.46	14.00	No
		40	5200	13.65	14.00	No
		44	5220	13.40	14.00	No
		48	5240	13.44	14.00	No
	802.11ac(VHT40)	38	5190	12.46	13.00	No
		46	5230	13.17	14.00	No
	802.11ac(VHT80)	42	5210	12.29	13.00	No
5.3	802.11a	52	5260	13.47	14.00	No
		56	5280	13.11	14.00	No
		60	5300	12.68	14.00	No
		64	5320	10.62	12.00	No
	802.11n(HT20)	52	5260	13.16	14.00	No
		56	5280	13.12	14.00	No
		60	5300	12.34	14.00	No
		64	5320	11.56	13.00	No
	802.11n(HT40)	54	5270	**13.14**	14.00	Yes
		62	5310	9.63	11.00	No
	802.11ac(VHT20)	52	5260	13.15	14.00	No
		56	5280	12.88	14.00	No
		60	5300	12.47	14.00	No
		64	5320	11.54	13.00	No
	802.11ac(VHT40)	54	5270	13.00	14.00	No
		62	5310	9.71	11.00	No
	802.11ac(VHT80)	58	5290	7.82	9.00	No
5.6	802.11a	100	5500	11.46	12.00	No
		104	5520	13.09	14.00	No
		108	5540	/	14.00	No
		116	5580	12.53	14.00	No
		132	5660	13.05	14.00	No

		136	5680	12.96	14.00	No
		140	5700	9.56	10.00	No
	802.11n(HT20)	100	5500	12.19	13.00	No
		104	5520	13.11	14.00	No
		108	5540	/	14.00	No
		116	5580	12.31	14.00	No
		132	5660	12.89	14.00	No
		136	5680	11.83	13.00	No
		140	5700	9.15	10.00	No
	802.11n(HT40)	102	5510	12.07	13.00	No
		110	5550	12.24	14.00	No
		118	5590	12.08	14.00	No
		126	5630	/	14.00	No
		134	5670	13.01	14.00	No
	802.11ac(VHT20)	100	5500	13.23	14.00	No
		104	5520	12.10	13.00	No
		108	5540	13.02	14.00	No
		116	5580	12.45	14.00	No
		132	5660	12.81	14.00	No
		136	5680	11.90	13.00	No
		140	5700	9.15	10.00	No
	802.11ac(VHT40)	102	5510	12.11	13.00	No
		110	5550	12.26	14.00	No
		118	5590	12.25	14.00	No
		126	5630	/	14.00	No
		134	5670	12.71	14.00	No
	802.11ac(VHT80)	106	5530	9.92	11.00	No
		122	5610	**12.69**	14.00	Yes
5.8	802.11a	149	5745	12.71	14.00	No
		157	5785	12.24	14.00	No
		165	5825	12.06	14.00	No
	802.11n(HT20)	149	5745	13.09	14.00	No
		157	5785	12.08	14.00	No
		165	5825	12.34	14.00	No
	802.11n(HT40)	151	5755	12.67	14.00	No
		159	5795	12.17	14.00	No
	802.11ac(VHT20)	149	5745	12.94	14.00	No
		157	5785	12.26	14.00	No
		165	5825	12.09	14.00	No
	802.11ac(VHT40)	151	5755	12.92	14.00	No
		159	5795	12.43	14.00	No
	802.11ac(VHT80)	155	5775	**12.51**	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.

8.7.9 5G WIFI-ANT8 Level3

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
5.2	802.11a	36	5180	12.08	12.50	No
		40	5200	/	12.50	No
		44	5220	11.99	12.50	No
		48	5240	12.15	12.50	No
	802.11n(HT20)	36	5180	12.13	12.50	No
		40	5200	/	12.50	No
		44	5220	12.11	12.50	No
		48	5240	12.17	12.50	No
	802.11n(HT40)	38	5190	11.68	12.50	No
		46	5230	11.68	12.50	No
	802.11ac(VHT20)	36	5180	12.05	12.50	No
		40	5200	/	12.50	No
		44	5220	12.01	12.50	No
		48	5240	12.05	12.50	No
	802.11ac(VHT40)	38	5190	11.53	12.50	No
		46	5230	11.92	12.50	No
	802.11ac(VHT80)	42	5210	11.90	12.50	No
5.3	802.11a	52	5260	11.75	12.50	No
		56	5280	11.69	12.50	No
		60	5300	11.25	12.50	No
		64	5320	10.62	12.00	No
	802.11n(HT20)	52	5260	11.74	12.50	No
		56	5280	/	12.50	No
		60	5300	10.86	12.50	No
		64	5320	10.65	12.50	No
	802.11n(HT40)	54	5270	**11.43**	12.50	Yes
		62	5310	9.63	11.00	No
	802.11ac(VHT20)	52	5260	11.67	12.50	No
		56	5280	/	12.50	No
		60	5300	10.93	12.50	No
		64	5320	10.59	12.50	No
	802.11ac(VHT40)	54	5270	11.40	12.50	No
		62	5310	9.71	11.00	No
	802.11ac(VHT80)	58	5290	7.82	9.00	No
5.6	802.11a	100	5500	11.46	12.00	No
		104	5520	11.29	12.50	No
		108	5540	/	12.50	No
		116	5580	10.95	12.50	No
		132	5660	/	12.50	No

		136	5680	11.61	12.50	No
		140	5700	9.56	10.00	No
	802.11n(HT20)	100	5500	11.60	12.50	No
		104	5520	/	12.50	No
		108	5540	/	12.50	No
		116	5580	10.74	12.50	No
		132	5660	/	12.50	No
		136	5680	11.41	12.50	No
		140	5700	9.15	10.00	No
	802.11n(HT40)	102	5510	11.54	12.50	No
		110	5550	/	12.50	No
		118	5590	10.50	12.50	No
		126	5630	/	12.50	No
		134	5670	11.59	12.50	No
	802.11ac(VHT20)	100	5500	11.56	12.50	No
		104	5520	/	12.50	No
		108	5540	/	12.50	No
		116	5580	10.92	12.50	No
		132	5660	/	12.50	No
		136	5680	11.48	12.50	No
		140	5700	9.15	10.00	No
	802.11ac(VHT40)	102	5510	11.49	12.50	No
		110	5550	/	12.50	No
		118	5590	10.91	12.50	No
		126	5630	/	12.50	No
		134	5670	11.29	12.50	No
	802.11ac(VHT80)	106	5530	9.92	11.00	No
		122	5610	**11.06**	12.50	Yes
5.8	802.11a	149	5745	11.16	12.50	No
		157	5785	10.64	12.50	No
		165	5825	10.60	12.50	No
	802.11n(HT20)	149	5745	11.37	12.50	No
		157	5785	10.74	12.50	No
		165	5825	10.85	12.50	No
	802.11n(HT40)	151	5755	11.02	12.50	No
		159	5795	10.56	12.50	No
	802.11ac(VHT20)	149	5745	11.58	12.50	No
		157	5785	10.55	12.50	No
		165	5825	10.59	12.50	No
	802.11ac(VHT40)	151	5755	11.65	12.50	No
		159	5795	10.84	12.50	No
	802.11ac(VHT80)	155	5775	**11.09**	12.50	Yes

Note: When the same maximum output power is specified for both bands, begin SAR measurement in U-NII-2A band by applying the OFDM SAR requirements. If the highest reported SAR for a test configuration is ≤ 1.2 W/kg, SAR is not required for U-NII-1 band for that configuration (802.11 mode and exposure condition); otherwise, each band is tested independently for SAR.

8.7.10 5G WIFI-ANT8 Level4

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
5.2	802.11a	36	5180	10.50	11.00	No
		40	5200	/	11.00	No
		44	5220	10.56	11.00	No
		48	5240	10.70	11.00	No
	802.11n(HT20)	36	5180	10.45	11.00	No
		40	5200	/	11.00	No
		44	5220	10.47	11.00	No
		48	5240	10.67	11.00	No
	802.11n(HT40)	38	5190	10.21	11.00	No
		46	5230	10.24	11.00	No
	802.11ac(VHT20)	36	5180	10.65	11.00	No
		40	5200	/	11.00	No
		44	5220	10.65	11.00	No
		48	5240	10.51	11.00	No
	802.11ac(VHT40)	38	5190	10.02	11.00	No
		46	5230	10.23	11.00	No
	802.11ac(VHT80)	42	5210	10.43	11.00	No
5.3	802.11a	52	5260	10.39	11.00	No
		56	5280	/	11.00	No
		60	5300	9.88	11.00	No
		64	5320	9.13	11.00	No
	802.11n(HT20)	52	5260	10.31	11.00	No
		56	5280	/	11.00	No
		60	5300	9.59	11.00	No
		64	5320	9.20	11.00	No
	802.11n(HT40)	54	5270	**10.03**	11.00	Yes
		62	5310	9.63	11.00	No
	802.11ac(VHT20)	52	5260	10.17	11.00	No
		56	5280	/	11.00	No
		60	5300	9.50	11.00	No
		64	5320	9.19	11.00	No
	802.11ac(VHT40)	54	5270	9.93	11.00	No
		62	5310	9.71	11.00	No
	802.11ac(VHT80)	58	5290	7.82	9.00	No
5.6	802.11a	100	5500	10.57	11.00	No
		104	5520	/	11.00	No
		108	5540	/	11.00	No
		116	5580	9.35	11.00	No
		132	5660	/	11.00	No

		136	5680	10.03	11.00	No
		140	5700	9.56	10.00	No
	802.11n(HT20)	100	5500	10.35	11.00	No
		104	5520	/	11.00	No
		108	5540	/	11.00	No
		116	5580	9.18	11.00	No
		132	5660	/	11.00	No
		136	5680	9.79	11.00	No
		140	5700	9.15	10.00	No
	802.11n(HT40)	102	5510	10.09	11.00	No
		110	5550	/	11.00	No
		118	5590	9.17	11.00	No
		126	5630	/	11.00	No
		134	5670	9.80	11.00	No
	802.11ac(VHT20)	100	5500	10.03	11.00	No
		104	5520	/	11.00	No
		108	5540	/	11.00	No
		116	5580	9.37	11.00	No
		132	5660	/	11.00	No
		136	5680	9.95	11.00	No
		140	5700	9.15	10.00	No
	802.11ac(VHT40)	102	5510	10.26	11.00	No
		110	5550	/	11.00	No
		118	5590	9.38	11.00	No
		126	5630	/	11.00	No
		134	5670	9.93	11.00	No
	802.11ac(VHT80)	106	5530	9.92	11.00	No
		122	5610	**9.65**	11.00	Yes
5.8	802.11a	149	5745	9.43	11.00	No
		157	5785	9.12	11.00	No
		165	5825	9.08	11.00	No
	802.11n(HT20)	149	5745	9.99	11.00	No
		157	5785	9.14	11.00	No
		165	5825	9.37	11.00	No
	802.11n(HT40)	151	5755	9.49	11.00	No
		159	5795	9.11	11.00	No
	802.11ac(VHT20)	149	5745	10.00	11.00	No
		157	5785	9.00	11.00	No
		165	5825	9.21	11.00	No
	802.11ac(VHT40)	151	5755	9.92	11.00	No
		159	5795	9.29	11.00	No
	802.11ac(VHT80)	155	5775	**9.68**	11.00	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.

8.7.11 5G WIFI-ANT8 Level5

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
5.2	802.11a	36	5180	14.51	15.00	No
		40	5200	17.85	18.00	No
		44	5220	19.58	20.00	No
		48	5240	19.63	20.00	No
	802.11n(HT20)	36	5180	14.52	15.00	No
		40	5200	19.65	20.00	No
		44	5220	19.48	20.00	No
		48	5240	19.57	20.00	No
	802.11n(HT40)	38	5190	12.05	13.00	No
		46	5230	19.16	20.00	No
	802.11ac(VHT20)	36	5180	14.45	15.00	No
		40	5200	19.69	20.00	No
		44	5220	19.51	20.00	No
		48	5240	19.56	20.00	No
	802.11ac(VHT40)	38	5190	12.46	13.00	No
		46	5230	19.31	20.00	No
	802.11ac(VHT80)	42	5210	12.29	13.00	No
5.3	802.11a	52	5260	19.31	20.00	No
		56	5280	19.13	20.00	No
		60	5300	14.69	16.00	No
		64	5320	10.62	12.00	No
	802.11n(HT20)	52	5260	19.21	20.00	No
		56	5280	19.04	20.00	No
		60	5300	15.49	17.00	No
		64	5320	11.56	13.00	No
	802.11n(HT40)	54	5270	**19.02**	20.00	Yes
		62	5310	9.63	11.00	Yes
	802.11ac(VHT20)	52	5260	19.18	20.00	No
		56	5280	18.93	20.00	No
		60	5300	15.56	17.00	No
		64	5320	11.54	13.00	No
	802.11ac(VHT40)	54	5270	19.03	20.00	No
		62	5310	9.71	11.00	No
	802.11ac(VHT80)	58	5290	7.82	9.00	No
5.6	802.11a	100	5500	11.46	12.00	No
		104	5520	15.93	17.00	No
		108	5540	18.43	19.50	No
		116	5580	18.49	19.50	No
		132	5660	18.45	19.50	No

		136	5680	12.96	14.00	No
		140	5700	9.56	10.00	No
	802.11n(HT20)	100	5500	12.19	13.00	No
		104	5520	15.91	17.00	No
		108	5540	18.40	19.50	No
		116	5580	17.89	19.50	No
		132	5660	18.37	19.50	No
		136	5680	11.83	13.00	No
		140	5700	9.15	10.00	No
	802.11n(HT40)	102	5510	12.07	13.00	No
		110	5550	**18.43**	19.50	Yes
		118	5590	18.11	19.50	Yes
		126	5630	18.29	19.50	Yes
		134	5670	15.93	17.00	No
	802.11ac(VHT20)	100	5500	12.10	13.00	No
		104	5520	16.04	17.00	No
		108	5540	18.53	19.50	No
		116	5580	17.89	19.50	No
		132	5660	18.38	19.50	No
		136	5680	11.90	13.00	No
		140	5700	9.15	10.00	No
	802.11ac(VHT40)	102	5510	12.11	13.00	No
		110	5550	17.85	19.50	No
		118	5590	17.78	19.50	No
		126	5630	17.63	19.50	No
		134	5670	15.85	17.00	No
	802.11ac(VHT80)	106	5530	9.92	11.00	No
		122	5610	15.02	17.00	No
5.8	802.11a	149	5745	17.92	19.50	No
		157	5785	17.57	19.50	No
		165	5825	17.66	19.50	No
	802.11n(HT20)	149	5745	18.44	19.50	No
		157	5785	17.61	19.50	No
		165	5825	17.57	19.50	No
	802.11n(HT40)	151	5755	18.22	19.50	No
		159	5795	17.65	19.50	No
	802.11ac(VHT20)	149	5745	18.54	19.50	No
		157	5785	17.56	19.50	No
		165	5825	17.59	19.50	No
	802.11ac(VHT40)	151	5755	18.47	19.50	No
		159	5795	17.87	19.50	No
	802.11ac(VHT80)	155	5775	**18.16**	19.50	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.

8.7.12 5G WIFI-ANT8 Level6

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
5.2	802.11a	36	5180	14.51	15.00	No
		40	5200	15.84	16.00	No
		44	5220	15.49	16.00	No
		48	5240	15.61	16.00	No
	802.11n(HT20)	36	5180	14.52	15.00	No
		40	5200	15.64	16.00	No
		44	5220	15.56	16.00	No
		48	5240	15.72	16.00	No
	802.11n(HT40)	38	5190	12.05	13.00	No
		46	5230	**15.20**	16.00	Yes
	802.11ac(VHT20)	36	5180	14.45	15.00	No
		40	5200	15.61	16.00	No
		44	5220	15.53	16.00	No
		48	5240	15.55	16.00	No
	802.11ac(VHT40)	38	5190	12.46	13.00	No
		46	5230	15.33	16.00	No
	802.11ac(VHT80)	42	5210	12.29	13.00	No
5.3	802.11a	52	5260	15.34	16.00	No
		56	5280	15.13	16.00	No
		60	5300	14.69	16.00	No
		64	5320	10.62	12.00	No
	802.11n(HT20)	52	5260	15.36	16.00	No
		56	5280	15.17	16.00	No
		60	5300	14.36	16.00	No
		64	5320	11.56	13.00	No
	802.11n(HT40)	54	5270	**14.89**	16.00	Yes
		62	5310	9.63	11.00	No
	802.11ac(VHT20)	52	5260	15.26	16.00	No
		56	5280	15.06	16.00	No
		60	5300	14.53	16.00	No
		64	5320	11.54	13.00	No
	802.11ac(VHT40)	54	5270	14.93	16.00	No
		62	5310	9.71	11.00	No
	802.11ac(VHT80)	58	5290	7.82	9.00	No
5.6	802.11a	100	5500	11.46	12.00	No
		104	5520	14.83	16.00	No
		108	5540	/	16.00	No
		116	5580	14.45	16.00	No
		132	5660	15.09	16.00	No

		136	5680	12.96	14.00	No
		140	5700	9.56	10.00	No
	802.11n(HT20)	100	5500	12.19	13.00	No
		104	5520	15.07	16.00	No
		108	5540	/	16.00	No
		116	5580	14.23	16.00	No
		132	5660	14.81	16.00	No
		136	5680	11.83	13.00	No
		140	5700	9.15	10.00	No
	802.11n(HT40)	102	5510	12.07	13.00	No
		110	5550	14.22	16.00	No
		118	5590	14.18	16.00	No
		126	5630	/	16.00	No
		134	5670	15.04	16.00	No
	802.11ac(VHT20)	100	5500	12.10	13.00	No
		104	5520	15.12	16.00	No
		108	5540	/	16.00	No
		116	5580	14.28	16.00	No
		132	5660	15.06	16.00	No
		136	5680	11.90	13.00	No
		140	5700	9.15	10.00	No
	802.11ac(VHT40)	102	5510	12.11	13.00	No
		110	5550	14.30	16.00	No
		118	5590	14.41	16.00	No
		126	5630	/	16.00	No
		134	5670	14.90	16.00	No
	802.11ac(VHT80)	106	5530	9.92	11.00	No
		122	5610	**14.54**	16.00	Yes
5.8	802.11a	149	5745	14.69	16.00	No
		157	5785	14.07	16.00	No
		165	5825	14.12	16.00	No
	802.11n(HT20)	149	5745	15.06	16.00	No
		157	5785	14.09	16.00	No
		165	5825	14.05	16.00	No
	802.11n(HT40)	151	5755	14.64	16.00	No
		159	5795	14.10	16.00	No
	802.11ac(VHT20)	149	5745	14.88	16.00	No
		157	5785	14.23	16.00	No
		165	5825	14.10	16.00	No
	802.11ac(VHT40)	151	5755	14.94	16.00	No
		159	5795	14.42	16.00	No
	802.11ac(VHT80)	155	5775	**14.59**	16.00	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.

8.7.13 5G WIFI-ANT8 Level7

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
5.2	802.11a	36	5180	13.63	14.00	No
		40	5200	/	14.00	No
		44	5220	13.53	14.00	No
		48	5240	13.69	14.00	No
	802.11n(HT20)	36	5180	13.54	14.00	No
		40	5200	/	14.00	No
		44	5220	13.51	14.00	No
		48	5240	13.45	14.00	No
	802.11n(HT40)	38	5190	12.05	13.00	No
		46	5230	**13.04**	14.00	Yes
	802.11ac(VHT20)	36	5180	13.46	14.00	No
		40	5200	/	14.00	No
		44	5220	13.40	14.00	No
		48	5240	13.44	14.00	No
	802.11ac(VHT40)	38	5190	12.46	13.00	No
		46	5230	13.17	14.00	No
	802.11ac(VHT80)	42	5210	12.29	13.00	No
5.3	802.11a	52	5260	13.47	14.00	No
		56	5280	13.11	14.00	No
		60	5300	12.68	14.00	No
		64	5320	10.62	12.00	No
	802.11n(HT20)	52	5260	13.16	14.00	No
		56	5280	13.12	14.00	No
		60	5300	12.34	14.00	No
		64	5320	11.56	13.00	No
	802.11n(HT40)	54	5270	**13.14**	14.00	Yes
		62	5310	9.63	11.00	No
	802.11ac(VHT20)	52	5260	13.15	14.00	No
		56	5280	12.88	14.00	No
		60	5300	12.47	14.00	No
		64	5320	11.54	13.00	No
	802.11ac(VHT40)	54	5270	13.00	14.00	No
		62	5310	9.71	11.00	No
	802.11ac(VHT80)	58	5290	7.82	9.00	No
5.6	802.11a	100	5500	11.46	12.00	No
		104	5520	13.09	14.00	No
		108	5540	/	14.00	No
		116	5580	12.53	14.00	No
		132	5660	/	14.00	No

		136	5680	12.96	14.00	No
		140	5700	9.56	10.00	No
	802.11n(HT20)	100	5500	12.19	13.00	No
		104	5520	13.11	14.00	No
		108	5540	/	14.00	No
		116	5580	12.31	14.00	No
		132	5660	12.89	14.00	No
		136	5680	11.83	13.00	No
		140	5700	9.15	10.00	No
	802.11n(HT40)	102	5510	12.07	13.00	No
		110	5550	12.24	14.00	No
		118	5590	12.08	14.00	No
		126	5630	/	14.00	No
		134	5670	13.01	14.00	No
	802.11ac(VHT20)	100	5500	12.10	13.00	No
		104	5520	13.02	14.00	No
		108	5540	/	14.00	No
		116	5580	12.45	14.00	No
		132	5660	12.81	14.00	No
		136	5680	11.90	13.00	No
		140	5700	9.15	10.00	No
	802.11ac(VHT40)	102	5510	12.11	13.00	No
		110	5550	12.26	14.00	No
		118	5590	12.25	14.00	No
		126	5630	/	14.00	No
		134	5670	12.71	14.00	No
	802.11ac(VHT80)	106	5530	9.92	11.00	No
		122	5610	**12.69**	14.00	Yes
5.8	802.11a	149	5745	12.71	14.00	No
		157	5785	12.24	14.00	No
		165	5825	12.06	14.00	No
	802.11n(HT20)	149	5745	13.09	14.00	No
		157	5785	12.08	14.00	No
		165	5825	12.34	14.00	No
	802.11n(HT40)	151	5755	12.67	14.00	No
		159	5795	12.17	14.00	No
	802.11ac(VHT20)	149	5745	12.94	14.00	No
		157	5785	12.26	14.00	No
		165	5825	12.09	14.00	No
	802.11ac(VHT40)	151	5755	12.92	14.00	No
		159	5795	12.43	14.00	No
	802.11ac(VHT80)	155	5775	**12.51**	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.

8.7.14 5G WIFI-ANT8 Level8

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
5.2	802.11a	36	5180	12.70	13.00	No
		40	5200	/	13.00	No
		44	5220	12.49	13.00	No
		48	5240	12.64	13.00	No
	802.11n(HT20)	36	5180	12.47	13.00	No
		40	5200	/	13.00	No
		44	5220	12.66	13.00	No
		48	5240	12.47	13.00	No
	802.11n(HT40)	38	5190	12.13	13.00	No
		46	5230	12.05	13.00	No
	802.11ac(VHT20)	36	5180	12.42	13.00	No
		40	5200	/	13.00	No
		44	5220	12.63	13.00	No
		48	5240	12.68	13.00	No
	802.11ac(VHT40)	38	5190	12.46	13.00	No
		46	5230	12.26	13.00	No
	802.11ac(VHT80)	42	5210	**12.29**	13.00	Yes
5.3	802.11a	52	5260	12.49	13.00	No
		56	5280	12.06	13.00	No
		60	5300	11.61	13.00	No
		64	5320	10.62	12.00	No
	802.11n(HT20)	52	5260	12.14	13.00	No
		56	5280	/	13.00	No
		60	5300	11.37	13.00	No
		64	5320	11.56	13.00	No
	802.11n(HT40)	54	5270	**11.95**	13.00	Yes
		62	5310	9.63	11.00	No
	802.11ac(VHT20)	52	5260	12.09	13.00	No
		56	5280	/	13.00	No
		60	5300	11.68	13.00	No
		64	5320	11.54	13.00	No
	802.11ac(VHT40)	54	5270	12.14	13.00	No
		62	5310	9.71	11.00	No
	802.11ac(VHT80)	58	5290	7.82	9.00	No
5.6	802.11a	100	5500	11.46	12.00	No
		104	5520	11.80	13.00	No
		108	5540	/	13.00	No
		116	5580	11.44	13.00	No
		132	5660	/	13.00	No

		136	5680	11.89	13.00	No
		140	5700	9.56	10.00	No
	802.11n(HT20)	100	5500	12.19	13.00	No
		104	5520	/	13.00	No
		108	5540	/	13.00	No
		116	5580	11.50	13.00	No
		132	5660	/	13.00	No
		136	5680	11.83	13.00	No
		140	5700	9.15	10.00	No
	802.11n(HT40)	102	5510	12.07	13.00	No
		110	5550	/	13.00	No
		118	5590	11.20	13.00	No
		126	5630	/	13.00	No
		134	5670	11.85	13.00	No
	802.11ac(VHT20)	100	5500	12.10	13.00	No
		104	5520	/	13.00	No
		108	5540	/	13.00	No
		116	5580	11.24	13.00	No
		132	5660	/	13.00	No
		136	5680	11.90	13.00	No
		140	5700	9.15	10.00	No
	802.11ac(VHT40)	102	5510	12.11	13.00	No
		110	5550	/	13.00	No
		118	5590	11.33	13.00	No
		126	5630	/	13.00	No
		134	5670	11.71	13.00	No
	802.11ac(VHT80)	106	5530	9.92	11.00	No
		122	5610	**11.65**	13.00	Yes
5.8	802.11a	149	5745	11.57	13.00	No
		157	5785	11.25	13.00	No
		165	5825	11.04	13.00	No
	802.11n(HT20)	149	5745	11.85	13.00	No
		157	5785	11.25	13.00	No
		165	5825	11.10	13.00	No
	802.11n(HT40)	151	5755	11.64	13.00	No
		159	5795	11.16	13.00	No
	802.11ac(VHT20)	149	5745	11.79	13.00	No
		157	5785	11.24	13.00	No
		165	5825	11.19	13.00	No
	802.11ac(VHT40)	151	5755	12.17	13.00	No
		159	5795	11.36	13.00	No
	802.11ac(VHT80)	155	5775	**11.51**	13.00	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

8.8.1 Bluetooth-ANT8 Full power

Mode	GFSK			π/4-DQPSK		
Channel	0	39	78	0	39	78
Frequency (MHz)	2402	2441	2480	2402	2441	2480
Conducted Power (dBm)	16.33	**16.73**	16.02	12.24	12.83	12.09
Tune-Up Limit (dBm)	18.00	18.00	18.00	14.00	14.00	14.00
SAR Test Require	NO	YES	NO	NO	NO	NO
Mode	8-DPSK			/		
Channel	0	39	78	/	/	/
Frequency (MHz)	2402	2441	2480	/	/	/
Conducted Power (dBm)	12.59	13.18	12.19	/	/	/
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)	6.14	7.03	6.51	6.14	7.02	6.55
Tune-Up Limit (dBm)	8.00	8.00	8.00	8.00	8.00	8.00
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 2: The Bluetooth of the device is based on the SIG (Special Interest Group) protocol, and the maximum TX duty cycle of Bluetooth is limited to 77.6%, so the reported SAR needs to perform the corresponding maximum TX duty cycle.

8.8.2 Bluetooth-ANT8 Level1

Mode	GFSK			π/4-DQPSK		
Channel	0	39	78	0	39	78
Frequency (MHz)	2402	2441	2480	2402	2441	2480
Conducted Power (dBm)	13.46	**13.81**	13.11	12.24	12.83	12.09
Tune-Up Limit (dBm)	15.00	15.00	15.00	14.00	14.00	14.00
SAR Test Require	NO	YES	NO	NO	NO	NO
Mode	8-DPSK			/		
Channel	0	39	78	/	/	/
Frequency (MHz)	2402	2441	2480	/	/	/
Conducted Power (dBm)	12.59	1318	12.19	/	/	/
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)	6.14	7.03	6.51	6.14	7.02	6.55
Tune-Up Limit (dBm)	8.00	8.00	8.00	8.00	8.00	8.00
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 2: The Bluetooth of the device is based on the SIG (Special Interest Group) protocol, and the maximum TX duty cycle of Bluetooth is limited to 77.6%, so the reported SAR needs to perform the corresponding maximum TX duty cycle.

8.8.3 Bluetooth-ANT8 Level2&3

Mode	GFSK			π/4-DQPSK		
Channel	0	39	78	0	39	78
Frequency (MHz)	2402	2441	2480	2402	2441	2480
Conducted Power (dBm)	11.19	**11.85**	11.01	11.14	11.56	11.02
Tune-Up Limit (dBm)	13.00	13.00	13.00	13.00	13.00	13.00
SAR Test Require	NO	YES	NO	NO	NO	NO
Mode	8-DPSK			/		
Channel	0	39	78	/	/	/
Frequency (MHz)	2402	2441	2480	/	/	/
Conducted Power (dBm)	11.40	11.85	11.05	/	/	/
Tune-Up Limit (dBm)	13.00	13.00	13.00	/	/	/
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)	6.14	7.03	6.51	6.14	7.02	6.55
Tune-Up Limit (dBm)	8.00	8.00	8.00	8.00	8.00	8.00
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 2: The Bluetooth of the device is based on the SIG (Special Interest Group) protocol, and the maximum TX duty cycle of Bluetooth is limited to 77.6%, so the reported SAR needs to perform the corresponding maximum TX duty cycle.

8.8.4 Bluetooth-ANT8 Level4

Mode	GFSK			π/4-DQPSK		
Channel	0	39	78	0	39	78
Frequency (MHz)	2402	2441	2480	2402	2441	2480
Conducted Power (dBm)	6.12	**6.78**	6.29	6.15	6.85	6.05
Tune-Up Limit (dBm)	8.00	8.00	8.00	8.00	8.00	8.00
SAR Test Require	NO	YES	NO	NO	NO	NO
Mode	8-DPSK			/		
Channel	0	39	78	/	/	/
Frequency (MHz)	2402	2441	2480	/	/	/
Conducted Power (dBm)	6.25	7.01	6.39	/	/	/
Tune-Up Limit (dBm)	8.00	8.00	8.00	/	/	/
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)	6.14	7.03	6.51	6.14	7.02	6.55
Tune-Up Limit (dBm)	8.00	8.00	8.00	8.00	8.00	8.00
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 2: The Bluetooth of the device is based on the SIG (Special Interest Group) protocol, and the maximum TX duty cycle of Bluetooth is limited to 77.6%, so the reported SAR needs to perform the corresponding maximum TX duty cycle.

8.8.5 Bluetooth -ANT8 Level5&6&7

Mode	GFSK			π/4-DQPSK		
Channel	0	39	78	0	39	78
Frequency (MHz)	2402	2441	2480	2402	2441	2480
Conducted Power (dBm)	16.33	**16.73**	16.02	12.24	12.83	12.09
Tune-Up Limit (dBm)	18.00	18.00	18.00	14.00	14.00	14.00
SAR Test Require	NO	YES	NO	NO	NO	NO
Mode	8-DPSK			/		
Channel	0	39	78	/	/	/
Frequency (MHz)	2402	2441	2480	/	/	/
Conducted Power (dBm)	12.59	13.18	12.19	/	/	/
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)	6.14	7.03	6.51	6.14	7.02	6.55
Tune-Up Limit (dBm)	8.00	8.00	8.00	8.00	8.00	8.00
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 2: The Bluetooth of the device is based on the SIG (Special Interest Group) protocol, and the maximum TX duty cycle of Bluetooth is limited to 77.6%, so the reported SAR needs to perform the corresponding maximum TX duty cycle.

8.8.6 Bluetooth-ANT8 Level8

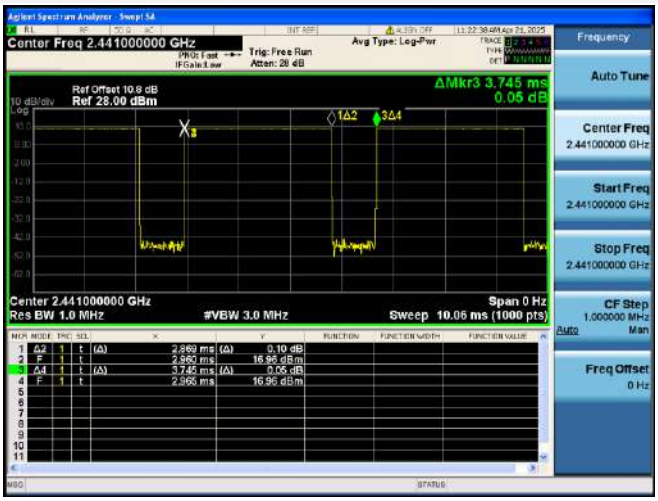
Mode	GFSK			π/4-DQPSK		
Channel	0	39	78	0	39	78
Frequency (MHz)	2402	2441	2480	2402	2441	2480
Conducted Power (dBm)	11.58	**12.02**	11.53	12.24	12.83	12.09
Tune-Up Limit (dBm)	13.50	13.50	13.50	13.50	13.50	13.50
SAR Test Require	NO	YES	NO	NO	NO	NO
Mode	8-DPSK			/		
Channel	0	39	78	/	/	/
Frequency (MHz)	2402	2441	2480	/	/	/
Conducted Power (dBm)	12.59	13.18	12.19	/	/	/
Tune-Up Limit (dBm)	13.50	13.50	13.50	/	/	/
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)	6.14	7.03	6.51	6.14	7.02	6.55
Tune-Up Limit (dBm)	8.00	8.00	8.00	8.00	8.00	8.00
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 2: The Bluetooth of the device is based on the SIG (Special Interest Group) protocol, and the maximum TX duty cycle of Bluetooth is limited to 77.6%, so the reported SAR needs to perform the corresponding maximum TX duty cycle.

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	Ant.0	Head
			Ant.1	
			Ant.3	
			Ant.4	
			Ant.5	
			Ant.6	
			Ant.7	
			Ant.10	
State10	On (head scenario)	WWAN + WLAN	Ant.0	Head
			Ant.1	
			Ant.3	
			Ant.4	
			Ant.5	
			Ant.6	
			Ant.7	
			Ant.10	
State3	Off (Body-Worn/Extremity scenario)	WWAN Use Only	Ant.0	Front Side;Back Side;Left Edge;Right Edge;Top Edge;Bottom Edge
			Ant.1	
			Ant.3	
			Ant.4	
			Ant.5	
			Ant.6	
			Ant.7	
			Ant.10	
State8	Off (Body-Worn/Hotspot/Extremity scenario)	WWAN + WLAN	Ant.0	Front Side;Back Side;Left Edge;Right Edge;Top Edge;Bottom Edge
			Ant.1	
			Ant.3	
			Ant.4	
			Ant.5	
			Ant.6	

			Ant.7	
			Ant.10	

Mode	Antenna	WWAN Antenna							
		Full Power	Receiver on		Receiver off				
			Head		Body-Worn		Hotspot	Specific	
			Standalone	Simultaneous transmission	Standalone	Simultaneous transmission	Simultaneous transmission	Standalone	Simultaneous transmission
			WWAN	WWAN + WLAN	WWAN	WWAN + WLAN	WWAN + WLAN	WWAN	WWAN + WLAN
		Off	State5	State10	State3	State8	State8	State3	State8
GSM 850	Ant.0	32.50	29.50	29.50	31.50	30.50	30.50	31.50	30.50
GPRS850 1 Tx Slot	Ant.0	32.50	29.50	29.50	31.50	30.50	30.50	31.50	30.50
GPRS850 2 Tx Slot	Ant.0	30.00	27.00	27.00	29.00	28.00	28.00	29.00	28.00
GPRS850 3 Tx Slot	Ant.0	28.50	25.50	25.50	27.50	26.50	26.50	27.50	26.50
GPRS850 4 Tx Slot	Ant.0	27.50	24.50	24.50	26.50	25.50	25.50	26.50	25.50
EGPRS850 1 Tx Slot	Ant.0	27.00	27.00	27.00	27.00	27.00	27.00	27.00	27.00
EGPRS850 2 Tx Slot	Ant.0	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00
EGPRS850 3 Tx Slot	Ant.0	23.50	23.50	23.50	23.50	23.50	23.50	23.50	23.50
EGPRS850 4 Tx Slot	Ant.0	22.50	22.50	22.50	22.50	22.50	22.50	22.50	22.50
GSM 850	Ant.1	33.50	30.50	29.50	31.00	30.00	30.00	31.00	30.00
GPRS850 1 Tx Slot	Ant.1	33.50	30.50	29.50	31.00	30.00	30.00	31.00	30.00
GPRS850 2 Tx Slot	Ant.1	31.00	28.00	27.00	28.50	27.50	27.50	28.50	27.50
GPRS850 3 Tx Slot	Ant.1	29.50	26.50	25.50	27.00	26.00	26.00	27.00	26.00
GPRS850 4 Tx Slot	Ant.1	28.50	25.50	24.50	26.00	25.00	25.00	26.00	25.00
EGPRS850 1 Tx Slot	Ant.1	28.00	28.00	28.00	28.00	28.00	28.00	28.00	28.00
EGPRS850 2 Tx Slot	Ant.1	26.00	26.00	26.00	26.00	26.00	26.00	26.00	26.00
EGPRS850 3 Tx Slot	Ant.1	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50
EGPRS850 4 Tx Slot	Ant.1	23.50	23.50	23.50	23.50	23.50	23.50	23.50	23.50
GSM 900	Ant.0	32.50	29.50	29.50	32.00	31.00	31.00	32.00	31.00
GPRS900 1 Tx Slot	Ant.0	32.50	29.50	29.50	32.00	31.00	31.00	32.00	31.00
GPRS900 2 Tx Slot	Ant.0	30.00	27.00	27.00	29.50	28.50	28.50	29.50	28.50
GPRS900 3 Tx Slot	Ant.0	28.50	25.50	25.50	28.00	27.00	27.00	28.00	27.00
GPRS900 4 Tx Slot	Ant.0	27.50	24.50	24.50	27.00	26.00	26.00	27.00	26.00
EGPRS900 1 Tx Slot	Ant.0	27.00	27.00	27.00	27.00	27.00	27.00	27.00	27.00
EGPRS900 2 Tx Slot	Ant.0	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00
EGPRS900 3 Tx Slot	Ant.0	23.50	23.50	23.50	23.50	23.50	23.50	23.50	23.50
EGPRS900 4 Tx Slot	Ant.0	22.50	22.50	22.50	22.50	22.50	22.50	22.50	22.50
GSM 900	Ant.1	33.50	29.00	28.00	31.00	30.50	30.50	31.00	30.50
GPRS900 1 Tx Slot	Ant.1	33.50	29.00	28.00	31.00	30.50	30.50	31.00	30.50
GPRS900 2 Tx Slot	Ant.1	31.00	26.50	25.50	28.50	28.00	28.00	28.50	28.00
GPRS900 3 Tx Slot	Ant.1	29.50	25.00	24.00	27.00	26.50	26.50	27.00	26.50
GPRS900 4 Tx Slot	Ant.1	28.50	24.00	23.00	26.00	25.50	25.50	26.00	25.50
EGPRS900 1 Tx Slot	Ant.1	28.00	28.00	28.00	28.00	28.00	28.00	28.00	28.00

EGPRS900 2 Tx Slot	Ant.1	26.00	26.00	25.50	26.00	26.00	26.00	26.00	26.00
EGPRS900 3 Tx Slot	Ant.1	24.50	24.50	23.50	24.50	24.50	24.50	24.50	24.50
EGPRS900 4 Tx Slot	Ant.1	23.50	22.50	22.00	23.50	23.50	23.50	23.50	23.50
GSM1900	Ant.3	30.30	28.80	27.80	30.30	29.80	29.80	30.30	29.80
GPRS1900 1 Tx Slot	Ant.3	30.30	28.80	27.80	30.30	29.80	29.80	30.30	29.80
GPRS1900 2 Tx Slot	Ant.3	27.80	26.30	25.30	27.80	27.30	27.30	27.80	27.30
GPRS1900 3 Tx Slot	Ant.3	26.30	24.80	23.80	26.30	25.80	25.80	26.30	25.80
GPRS1900 4 Tx Slot	Ant.3	25.30	23.80	22.80	25.30	24.80	24.80	25.30	24.80
EGPRS1900 1 Tx Slot	Ant.3	26.80	26.80	26.80	26.80	26.80	26.80	26.80	26.80
EGPRS1900 2 Tx Slot	Ant.3	24.30	24.30	24.30	24.30	24.30	24.30	24.30	24.30
EGPRS1900 3 Tx Slot	Ant.3	22.80	22.80	22.80	22.80	22.80	22.80	22.80	22.80
EGPRS1900 4 Tx Slot	Ant.3	22.30	22.30	22.30	22.30	22.30	22.30	22.30	22.30
GSM1900	Ant.4	30.50	30.50	30.50	30.50	30.50	30.50	30.50	30.50
GPRS1900 1 Tx Slot	Ant.4	30.50	30.50	30.50	30.50	30.50	30.50	30.50	30.50
GPRS1900 2 Tx Slot	Ant.4	28.00	28.00	28.00	28.00	28.00	28.00	28.00	28.00
GPRS1900 3 Tx Slot	Ant.4	26.50	26.50	26.50	26.50	26.50	26.50	26.50	26.50
GPRS1900 4 Tx Slot	Ant.4	25.50	25.50	25.50	25.50	25.50	25.50	25.50	25.50
EGPRS1900 1 Tx Slot	Ant.4	27.00	27.00	27.00	27.00	27.00	27.00	27.00	27.00
EGPRS1900 2 Tx Slot	Ant.4	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50
EGPRS1900 3 Tx Slot	Ant.4	23.00	23.00	23.00	23.00	23.00	23.00	23.00	23.00
EGPRS1900 4 Tx Slot	Ant.4	22.50	22.50	22.50	22.50	22.50	22.50	22.50	22.50
WCDMA Band2 RMC	Ant.3	24.60	18.60	18.10	22.10	20.60	20.60	22.10	20.60
WCDMA Band2 AMR	Ant.3	24.60	18.60	18.10	22.10	20.60	20.60	22.10	20.60
HSDPA Subtest-1	Ant.3	24.10	18.10	17.60	21.60	20.10	20.10	21.60	20.10
HSDPA Subtest-2	Ant.3	24.10	18.10	17.60	21.60	20.10	20.10	21.60	20.10
HSDPA Subtest-3	Ant.3	23.10	17.10	16.60	20.60	19.10	19.10	20.60	19.10
HSDPA Subtest-4	Ant.3	23.10	17.10	16.60	20.60	19.10	19.10	20.60	19.10
DC-HSDPA Subtest-1	Ant.3	24.10	18.10	17.60	21.60	20.10	20.10	21.60	20.10
DC-HSDPA Subtest-2	Ant.3	24.10	18.10	17.60	21.60	20.10	20.10	21.60	20.10
DC-HSDPA Subtest-3	Ant.3	23.10	17.10	16.60	20.60	19.10	19.10	20.60	19.10
DC-HSDPA Subtest-4	Ant.3	23.10	17.10	16.60	20.60	19.10	19.10	20.60	19.10
HSUPA Subtest-1	Ant.3	24.10	18.10	17.60	21.60	20.10	20.10	21.60	20.10
HSUPA Subtest-2	Ant.3	21.80	15.80	15.30	19.30	17.80	17.80	19.30	17.80
HSUPA Subtest-3	Ant.3	22.80	16.80	16.30	20.30	18.80	18.80	20.30	18.80
HSUPA Subtest-4	Ant.3	21.80	15.80	15.30	19.30	17.80	17.80	19.30	17.80
HSUPA Subtest-5	Ant.3	24.10	18.10	17.60	21.60	20.10	20.10	21.60	20.10
HSPA+(16QAM)	Ant.3	21.80	15.80	15.30	19.30	17.80	17.80	19.30	17.80
WCDMA Band2 RMC	Ant.4	24.80	24.80	24.80	21.80	21.30	21.30	21.80	21.30
WCDMA Band2 AMR	Ant.4	24.80	24.80	24.80	21.80	21.30	21.30	21.80	21.30
HSDPA Subtest-1	Ant.4	24.30	24.30	24.30	21.30	20.80	20.80	21.30	20.80
HSDPA Subtest-2	Ant.4	24.30	24.30	24.30	21.30	20.80	20.80	21.30	20.80
HSDPA Subtest-3	Ant.4	23.30	23.30	23.30	20.30	19.80	19.80	20.30	19.80
HSDPA Subtest-4	Ant.4	23.30	23.30	23.30	20.30	19.80	19.80	20.30	19.80

DC-HSDPA Subtest-1	Ant.4	24.30	24.30	24.30	21.30	20.80	20.80	21.30	20.80
DC-HSDPA Subtest-2	Ant.4	24.30	24.30	24.30	21.30	20.80	20.80	21.30	20.80
DC-HSDPA Subtest-3	Ant.4	23.30	23.30	23.30	20.30	19.80	19.80	20.30	19.80
DC-HSDPA Subtest-4	Ant.4	23.30	23.30	23.30	20.30	19.80	19.80	20.30	19.80
HSUPA Subtest-1	Ant.4	24.30	24.30	24.30	21.30	20.80	20.80	21.30	20.80
HSUPA Subtest-2	Ant.4	22.00	22.00	22.00	19.00	18.50	18.50	19.00	18.50
HSUPA Subtest-3	Ant.4	23.00	23.00	23.00	20.00	19.50	19.50	20.00	19.50
HSUPA Subtest-4	Ant.4	22.00	22.00	22.00	19.00	18.50	18.50	19.00	18.50
HSUPA Subtest-5	Ant.4	24.30	24.30	24.30	21.30	20.80	20.80	21.30	20.80
HSPA+(16QAM)	Ant.4	22.00	22.00	22.00	19.00	18.50	18.50	19.00	18.50
WCDMA Band4 RMC	Ant.3	24.60	17.10	16.60	22.60	20.60	20.60	22.60	20.60
WCDMA Band4 AMR	Ant.3	24.60	17.10	16.60	22.60	20.60	20.60	22.60	20.60
HSDPA Subtest-1	Ant.3	24.10	16.60	16.10	22.10	20.10	20.10	22.10	20.10
HSDPA Subtest-2	Ant.3	24.10	16.60	16.10	22.10	20.10	20.10	22.10	20.10
HSDPA Subtest-3	Ant.3	23.30	15.80	15.30	21.30	19.30	19.30	21.30	19.30
HSDPA Subtest-4	Ant.3	23.30	15.80	15.30	21.30	19.30	19.30	21.30	19.30
DC-HSDPA Subtest-1	Ant.3	24.10	16.60	16.10	22.10	20.10	20.10	22.10	20.10
DC-HSDPA Subtest-2	Ant.3	24.10	16.60	16.10	22.10	20.10	20.10	22.10	20.10
DC-HSDPA Subtest-3	Ant.3	23.30	15.80	15.30	21.30	19.30	19.30	21.30	19.30
DC-HSDPA Subtest-4	Ant.3	23.30	15.80	15.30	21.30	19.30	19.30	21.30	19.30
HSUPA Subtest-1	Ant.3	23.80	16.30	15.80	21.80	19.80	19.80	21.80	19.80
HSUPA Subtest-2	Ant.3	21.80	14.30	13.80	19.80	17.80	17.80	19.80	17.80
HSUPA Subtest-3	Ant.3	22.80	15.30	14.80	20.80	18.80	18.80	20.80	18.80
HSUPA Subtest-4	Ant.3	21.80	14.30	13.80	19.80	17.80	17.80	19.80	17.80
HSUPA Subtest-5	Ant.3	24.10	16.60	16.10	22.10	20.10	20.10	22.10	20.10
HSPA+(16QAM)	Ant.3	21.80	14.30	13.80	19.80	17.80	17.80	19.80	17.80
WCDMA Band4 RMC	Ant.4	24.80	24.80	24.80	22.30	21.30	21.30	22.30	21.30
WCDMA Band4 AMR	Ant.4	24.80	24.80	24.80	22.30	21.30	21.30	22.30	21.30
HSDPA Subtest-1	Ant.4	24.30	24.30	24.30	21.80	20.80	20.80	21.80	20.80
HSDPA Subtest-2	Ant.4	24.30	24.30	24.30	21.80	20.80	20.80	21.80	20.80
HSDPA Subtest-3	Ant.4	23.50	23.50	23.50	21.00	20.00	20.00	21.00	20.00
HSDPA Subtest-4	Ant.4	23.50	23.50	23.50	21.00	20.00	20.00	21.00	20.00
DC-HSDPA Subtest-1	Ant.4	24.30	24.30	24.30	21.80	20.80	20.80	21.80	20.80
DC-HSDPA Subtest-2	Ant.4	24.30	24.30	24.30	21.80	20.80	20.80	21.80	20.80
DC-HSDPA Subtest-3	Ant.4	23.50	23.50	23.50	21.00	20.00	20.00	21.00	20.00
DC-HSDPA Subtest-4	Ant.4	23.50	23.50	23.50	21.00	20.00	20.00	21.00	20.00
HSUPA Subtest-1	Ant.4	24.00	24.00	24.00	21.50	20.50	20.50	21.50	20.50
HSUPA Subtest-2	Ant.4	22.00	22.00	22.00	19.50	18.50	18.50	19.50	18.50
HSUPA Subtest-3	Ant.4	23.00	23.00	23.00	20.50	19.50	19.50	20.50	19.50
HSUPA Subtest-4	Ant.4	22.00	22.00	22.00	19.50	18.50	18.50	19.50	18.50
HSUPA Subtest-5	Ant.4	24.30	24.30	24.30	21.80	20.80	20.80	21.80	20.80
HSPA+(16QAM)	Ant.4	22.00	22.00	22.00	19.50	18.50	18.50	19.50	18.50
WCDMA Band5 RMC	Ant.0	24.60	20.60	20.60	22.10	21.10	21.10	22.10	21.10

WCDMA Band5 AMR	Ant.0	24.60	20.60	20.60	22.10	21.10	21.10	22.10	21.10
HSDPA Subtest-1	Ant.0	23.60	19.60	19.60	21.10	20.10	20.10	21.10	20.10
HSDPA Subtest-2	Ant.0	23.60	19.60	19.60	21.10	20.10	20.10	21.10	20.10
HSDPA Subtest-3	Ant.0	23.10	19.10	19.10	20.60	19.60	19.60	20.60	19.60
HSDPA Subtest-4	Ant.0	23.10	19.10	19.10	20.60	19.60	19.60	20.60	19.60
DC-HSDPA Subtest-1	Ant.0	23.60	19.60	19.60	21.10	20.10	20.10	21.10	20.10
DC-HSDPA Subtest-2	Ant.0	23.60	19.60	19.60	21.10	20.10	20.10	21.10	20.10
DC-HSDPA Subtest-3	Ant.0	23.10	19.10	19.10	20.60	19.60	19.60	20.60	19.60
DC-HSDPA Subtest-4	Ant.0	23.10	19.10	19.10	20.60	19.60	19.60	20.60	19.60
HSUPA Subtest-1	Ant.0	23.80	19.80	19.80	21.30	20.30	20.30	21.30	20.30
HSUPA Subtest-2	Ant.0	21.80	17.80	17.80	19.30	18.30	18.30	19.30	18.30
HSUPA Subtest-3	Ant.0	22.80	18.80	18.80	20.30	19.30	19.30	20.30	19.30
HSUPA Subtest-4	Ant.0	21.80	17.80	17.80	19.30	18.30	18.30	19.30	18.30
HSUPA Subtest-5	Ant.0	23.80	19.80	19.80	21.30	20.30	20.30	21.30	20.30
HSPA+(16QAM)	Ant.0	21.80	17.80	17.80	19.30	18.30	18.30	19.30	18.30
WCDMA Band5 RMC	Ant.1	24.80	20.30	19.30	22.30	21.30	21.30	22.30	21.30
WCDMA Band5 AMR	Ant.1	24.80	20.30	19.30	22.30	21.30	21.30	22.30	21.30
HSDPA Subtest-1	Ant.1	23.80	19.30	18.30	21.30	20.30	20.30	21.30	20.30
HSDPA Subtest-2	Ant.1	23.80	19.30	18.30	21.30	20.30	20.30	21.30	20.30
HSDPA Subtest-3	Ant.1	23.30	18.80	17.80	20.80	19.80	19.80	20.80	19.80
HSDPA Subtest-4	Ant.1	23.30	18.80	17.80	20.80	19.80	19.80	20.80	19.80
DC-HSDPA Subtest-1	Ant.1	23.80	19.30	18.30	21.30	20.30	20.30	21.30	20.30
DC-HSDPA Subtest-2	Ant.1	23.80	19.30	18.30	21.30	20.30	20.30	21.30	20.30
DC-HSDPA Subtest-3	Ant.1	23.30	18.80	17.80	20.80	19.80	19.80	20.80	19.80
DC-HSDPA Subtest-4	Ant.1	23.30	18.80	17.80	20.80	19.80	19.80	20.80	19.80
HSUPA Subtest-1	Ant.1	24.00	19.50	18.50	21.50	20.50	20.50	21.50	20.50
HSUPA Subtest-2	Ant.1	22.00	17.50	16.50	19.50	18.50	18.50	19.50	18.50
HSUPA Subtest-3	Ant.1	23.00	18.50	17.50	20.50	19.50	19.50	20.50	19.50
HSUPA Subtest-4	Ant.1	22.00	17.50	16.50	19.50	18.50	18.50	19.50	18.50
HSUPA Subtest-5	Ant.1	24.00	19.50	18.50	21.50	20.50	20.50	21.50	20.50
HSPA+(16QAM)	Ant.1	22.00	17.50	16.50	19.50	18.50	18.50	19.50	18.50
WCDMA Band8 RMC	Ant.0	24.60	20.60	20.60	23.10	22.10	22.10	23.10	22.10
WCDMA Band8 AMR	Ant.0	24.60	20.60	20.60	23.10	22.10	22.10	23.10	22.10
HSDPA Subtest-1	Ant.0	23.60	19.60	19.60	22.10	21.10	21.10	22.10	21.10
HSDPA Subtest-2	Ant.0	23.60	19.60	19.60	22.10	21.10	21.10	22.10	21.10
HSDPA Subtest-3	Ant.0	23.10	19.10	19.10	21.60	20.60	20.60	21.60	20.60
HSDPA Subtest-4	Ant.0	23.10	19.10	19.10	21.60	20.60	20.60	21.60	20.60
DC-HSDPA Subtest-1	Ant.0	23.60	19.60	19.60	22.10	21.10	21.10	22.10	21.10
DC-HSDPA Subtest-2	Ant.0	23.60	19.60	19.60	22.10	21.10	21.10	22.10	21.10
DC-HSDPA Subtest-3	Ant.0	23.10	19.10	19.10	21.60	20.60	20.60	21.60	20.60
DC-HSDPA Subtest-4	Ant.0	23.10	19.10	19.10	21.60	20.60	20.60	21.60	20.60
HSUPA Subtest-1	Ant.0	23.80	19.80	19.80	22.30	21.30	21.30	22.30	21.30
HSUPA Subtest-2	Ant.0	21.80	17.80	17.80	20.30	19.30	19.30	20.30	19.30

HSUPA Subtest-3	Ant.0	22.80	18.80	18.80	21.30	20.30	20.30	21.30	20.30
HSUPA Subtest-4	Ant.0	21.80	17.80	17.80	20.30	19.30	19.30	20.30	19.30
HSUPA Subtest-5	Ant.0	23.80	19.80	19.80	22.30	21.30	21.30	22.30	21.30
HSPA+(16QAM)	Ant.0	21.80	17.80	17.80	20.30	19.30	19.30	20.30	19.30
WCDMA Band8 RMC	Ant.1	24.80	20.80	19.80	21.30	20.30	20.30	21.30	20.30
WCDMA Band8 AMR	Ant.1	24.80	20.80	19.80	21.30	20.30	20.30	21.30	20.30
HSDPA Subtest-1	Ant.1	23.80	19.80	18.80	20.30	19.30	19.30	20.30	19.30
HSDPA Subtest-2	Ant.1	23.80	19.80	18.80	20.30	19.30	19.30	20.30	19.30
HSDPA Subtest-3	Ant.1	23.30	19.30	18.30	19.80	18.80	18.80	19.80	18.80
HSDPA Subtest-4	Ant.1	23.30	19.30	18.30	19.80	18.80	18.80	19.80	18.80
DC-HSDPA Subtest-1	Ant.1	23.80	19.80	18.80	20.30	19.30	19.30	20.30	19.30
DC-HSDPA Subtest-2	Ant.1	23.80	19.80	18.80	20.30	19.30	19.30	20.30	19.30
DC-HSDPA Subtest-3	Ant.1	23.30	19.30	18.30	19.80	18.80	18.80	19.80	18.80
DC-HSDPA Subtest-4	Ant.1	23.30	19.30	18.30	19.80	18.80	18.80	19.80	18.80
HSUPA Subtest-1	Ant.1	24.00	20.00	19.00	20.50	19.50	19.50	20.50	19.50
HSUPA Subtest-2	Ant.1	22.00	18.00	17.00	18.50	17.50	17.50	18.50	17.50
HSUPA Subtest-3	Ant.1	23.00	19.00	18.00	19.50	18.50	18.50	19.50	18.50
HSUPA Subtest-4	Ant.1	22.00	18.00	17.00	18.50	17.50	17.50	18.50	17.50
HSUPA Subtest-5	Ant.1	24.00	20.00	19.00	20.50	19.50	19.50	20.50	19.50
HSPA+(16QAM)	Ant.1	22.00	18.00	17.00	18.50	17.50	17.50	18.50	17.50
LTE Band2	Ant.3	23.80	18.80	18.30	22.30	20.80	20.80	22.30	20.80
LTE Band2	Ant.4	24.00	24.00	24.00	22.00	21.00	21.00	22.00	21.00
LTE Band4	Ant.3	24.80	17.80	16.80	22.30	21.30	21.30	22.30	21.30
LTE Band4	Ant.4	25.00	25.00	25.00	22.50	21.50	21.50	22.50	21.50
LTE Band4	Ant.5	23.20	21.20	20.20	21.20	19.70	19.70	21.20	19.70
LTE Band5	Ant.0	23.80	21.80	20.80	21.30	20.80	20.80	21.30	20.80
LTE Band5	Ant.1	25.00	21.50	20.50	21.50	21.00	21.00	21.50	21.00
LTE Band7	Ant.3	24.80	18.30	17.30	21.30	19.80	19.80	21.30	19.80
LTE Band7	Ant.4	25.00	25.00	25.00	23.50	21.50	21.50	23.50	21.50
LTE Band7	Ant.5	22.50	19.00	18.00	22.50	21.00	21.00	22.50	21.00
LTE Band8	Ant.0	23.80	21.80	20.80	21.80	20.80	20.80	21.80	20.80
LTE Band8	Ant.1	25.00	20.50	19.50	21.00	20.00	20.00	21.00	20.00
LTE Band12	Ant.0	23.80	23.80	22.80	22.80	21.80	21.80	22.80	21.80
LTE Band12	Ant.1	25.00	25.00	24.00	23.50	22.50	22.50	23.50	22.50
LTE Band13	Ant.0	23.80	23.80	23.80	22.80	21.80	21.80	22.80	21.80
LTE Band13	Ant.1	25.00	23.00	23.00	23.00	22.00	22.00	23.00	22.00
LTE Band17	Ant.0	23.80	23.80	22.80	22.80	21.80	21.80	22.80	21.80
LTE Band17	Ant.1	25.00	25.00	24.00	24.00	23.00	23.00	24.00	23.00
LTE Band18	Ant.0	23.80	22.80	22.30	22.80	21.80	21.80	22.80	21.80
LTE Band18	Ant.1	25.00	22.00	21.00	22.50	21.50	21.50	22.50	21.50
LTE Band19	Ant.0	23.80	22.30	21.30	21.80	20.80	20.80	21.80	20.80
LTE Band19	Ant.1	25.00	22.00	21.00	22.00	21.00	21.00	22.00	21.00
LTE Band26	Ant.0	23.80	21.80	20.80	21.80	20.80	20.80	21.80	20.80

LTE Band26	Ant.1	25.00	21.50	20.50	22.00	21.00	21.00	22.00	21.00
LTE Band28	Ant.0	23.80	22.30	21.30	22.30	21.30	21.30	22.30	21.30
LTE Band28	Ant.1	25.00	23.00	22.50	23.50	22.50	22.50	23.50	22.50
LTE Band66	Ant.3	24.80	17.30	16.30	22.80	21.30	21.30	22.80	21.30
LTE Band66	Ant.4	25.00	25.00	25.00	22.50	21.50	21.50	22.50	21.50
LTE Band66	Ant.5	23.20	21.70	20.70	21.20	19.70	19.70	21.20	19.70
LTE Band38	Ant.3	24.80	20.80	19.30	22.80	21.30	21.30	22.80	21.30
LTE Band38	Ant.4	25.00	25.00	25.00	25.00	24.00	24.00	25.00	24.00
LTE Band38	Ant.5	22.50	22.50	21.50	22.50	22.00	22.00	22.50	22.00
LTE Band41(PC3)	Ant.3	24.80	21.30	20.30	23.80	22.30	22.30	23.80	22.30
LTE Band41(PC3)	Ant.4	25.00	25.00	25.00	25.00	24.50	24.50	25.00	24.50
LTE Band41(PC3)	Ant.5	22.50	22.00	20.50	22.50	22.50	22.50	22.50	22.50
LTE Band41(PC2)	Ant.3	26.10	23.10	22.10	25.60	24.10	24.10	25.60	24.10
LTE Band41(PC2)	Ant.4	26.30	26.30	26.30	26.30	25.80	25.80	26.30	25.80
LTE Band41(PC2)	Ant.5	23.80	23.80	22.80	23.80	23.80	23.80	23.80	23.80
LTE Band48	Ant.5	24.30	19.30	18.30	20.80	18.80	18.80	20.80	18.80
LTE Band48	Ant.6	20.40	20.40	19.90	20.40	20.40	20.40	20.40	20.40
LTE Band48	Ant.7	25.00	18.00	17.00	20.50	19.00	19.00	20.50	19.00
LTE Band48	Ant.10	21.80	17.80	16.80	20.30	18.30	18.30	20.30	18.30
n2	Ant.3	24.10	19.10	18.10	22.10	19.60	19.60	22.10	19.60
n2	Ant.4	24.30	24.30	24.30	22.30	21.30	21.30	22.30	21.30
n5	Ant.0	23.80	21.80	20.80	21.30	20.80	20.80	21.30	20.80
n5	Ant.1	25.00	21.50	20.50	21.50	20.00	20.00	21.50	20.00
n7	Ant.3	25.20	18.20	17.20	20.70	19.20	19.20	20.70	19.20
n7	Ant.4	25.40	25.40	25.40	22.90	20.90	20.90	22.90	20.90
n7	Ant.5	22.90	19.90	18.90	22.90	21.40	21.40	22.90	21.40
n12	Ant.0	23.80	23.80	23.80	22.80	21.30	21.30	22.80	21.30
n12	Ant.1	25.00	25.00	25.00	24.00	23.00	23.00	24.00	23.00
n26	Ant.0	23.80	21.30	20.30	21.80	20.80	20.80	21.80	20.80
n26	Ant.1	25.00	21.00	20.00	22.00	21.00	21.00	22.00	21.00
n66	Ant.3	24.80	16.80	17.30	22.30	20.80	20.80	22.30	20.80
n66	Ant.4	25.00	25.00	25.00	22.00	21.00	21.00	22.00	21.00
n66	Ant.5	23.20	21.20	20.70	20.70	19.20	19.20	20.70	19.20
n38	Ant.3	25.20	18.70	17.20	20.70	19.20	19.20	20.70	19.20
n38	Ant.4	25.40	25.40	25.40	23.40	21.90	21.90	23.40	21.90
n38	Ant.5	22.90	20.90	19.40	22.90	22.90	22.90	22.90	22.90
n41(PC3)	Ant.3	25.20	18.20	16.20	19.20	17.70	17.70	19.20	17.70
n41(PC3)	Ant.4	25.40	25.40	25.40	22.40	19.90	19.90	22.40	19.90
n41(PC3)	Ant.5	22.90	19.40	17.40	22.90	21.40	21.40	22.90	21.40
n41(PC2)	Ant.3	26.50	18.50	17.50	20.50	19.00	19.00	20.50	19.00
n41(PC2)	Ant.4	26.70	26.70	26.70	23.70	21.20	21.20	23.70	21.20
n41(PC2)	Ant.5	24.20	20.70	18.70	24.20	22.70	22.70	24.20	22.70

LTE-UL CA Configurations	UL CA	UL CA	Antenna Configurations		
	Band1	Band2	1	2	3
CA_2C	LTE Band2	LTE Band2	LTE Ant.3	LTE Ant.4	/
CA_7C	LTE Band7	LTE Band7	LTE Ant.3	LTE Ant.4	LTE Ant.5
CA_38C	LTE Band38	LTE Band38	LTE Ant.3	LTE Ant.4	LTE Ant.5
CA_41C	LTE Band41	LTE Band41	LTE Ant.3	LTE Ant.4	LTE Ant.5
CA_4A_5A	LTE Band4	LTE Band5	LTE Ant.3	LTE Ant.4	LTE Ant.5
			LTE Ant.0	LTE Ant.1	/
CA_5A_7A	LTE Band5	LTE Band7	LTE Ant.0	LTE Ant.1	/
			LTE Ant.3	LTE Ant.4	LTE Ant.5
CA_5A_66A	LTE Band5	LTE Band66	LTE Ant.0	LTE Ant.1	/
			LTE Ant.3	LTE Ant.4	LTE Ant.5

Mode	Band	Antenna	LTE-Inter CA Antenna								
			Full Power	Receiver on		Receiver off					
				Head		Body-worn		Hotspot		Specific	
				Standalone	Simultaneous transmission	Standalone	Simultaneous transmission	Simultaneous transmission		Standalone	Simultaneous transmission
				WWAN	WWAN + WLAN	WWAN	WWAN + WLAN	WWAN + WLAN		WWAN	WWAN + WLAN
			Off	State5	State10	State3	State8	State8		State3	State8
CA_4A+5A	LTE Band4	Ant.3	24.80	17.80	16.80	22.30	21.30	21.30		22.30	21.30
	LTE Band4	Ant.4	25.00	25.00	25.00	22.50	21.50	21.50		22.50	21.50
	LTE Band4	Ant.5	23.20	21.20	20.20	21.20	19.70	19.70		21.20	19.70
	LTE Band5	Ant.0	23.80	21.80	20.80	21.30	20.80	20.80		21.30	20.80
	LTE Band5	Ant.1	25.00	21.50	20.50	21.50	21.00	21.00		21.50	21.00
CA_5A+7A	LTE Band5	Ant.0	23.80	21.80	20.80	21.30	20.80	20.80		21.30	20.80
	LTE Band5	Ant.1	25.00	21.50	20.50	21.50	21.00	21.00		21.50	21.00
	LTE Band7	Ant.3	24.80	18.30	17.30	21.30	19.80	19.80		21.30	19.80
	LTE Band7	Ant.4	25.00	25.00	25.00	23.50	21.50	21.50		23.50	21.50
	LTE Band7	Ant.5	22.50	19.00	18.00	22.50	21.00	21.00		22.50	21.00
CA_5A+66A	LTE Band5	Ant.0	23.80	21.80	20.80	21.30	20.80	20.80		21.30	20.80
	LTE Band5	Ant.1	25.00	21.50	20.50	21.50	21.00	21.00		21.50	21.00
	LTE Band66	Ant.3	24.80	17.30	16.30	22.80	21.30	21.30		22.80	21.30
	LTE Band66	Ant.4	25.00	25.00	25.00	22.50	21.50	21.50		22.50	21.50
	LTE Band66	Ant.5	23.20	21.70	20.70	21.20	19.70	19.70		21.20	19.70

EN-DC Configurations	E-UTRA	NR	Antenna Configurations					
	Band	Band	1	2	3	4	5	6
7A+n5A	LTE Band7	n5	LTE Ant.3	LTE Ant.4	LTE Ant.5	LTE Ant.3	LTE Ant.4	LTE Ant.5
			nr Ant.0	nr Ant.0	nr Ant.0	nr Ant.1	nr Ant.1	nr Ant.1
66A+n5A	LTE Band66	n5	LTE Ant.3	LTE Ant.4	LTE Ant.5	LTE Ant.3	LTE Ant.4	LTE Ant.5
			nr Ant.0	nr Ant.0	nr Ant.0	nr Ant.1	nr Ant.1	nr Ant.1
2A+n7A	LTE Band2	n7	LTE Ant.3	LTE Ant.5	/	/	/	
			nr Ant.4	nr Ant.4	/	/	/	/
4A+n7A	LTE Band4	n7	LTE Ant.4	LTE Ant.5	LTE Ant.3	LTE Ant.5	LTE Ant.3	LTE Ant.4
			nr Ant.3	nr Ant.3	nr Ant.4	nr Ant.4	nr Ant.5	nr Ant.5
5A+n7A	LTE Band5	n7	LTE Ant.0	LTE Ant.0	LTE Ant.0	LTE Ant.1	LTE Ant.1	LTE Ant.1
			nr Ant.3	nr Ant.4	nr Ant.5	nr Ant.3	nr Ant.4	nr Ant.5
66A+n7A	LTE Band66	n7	LTE Ant.4	LTE Ant.5	LTE Ant.3	LTE Ant.5	LTE Ant.3	LTE Ant.4
			nr Ant.3	nr Ant.3	nr Ant.4	nr Ant.4	nr Ant.5	nr Ant.5
7A+n26A	LTE Band7	n26	LTE Ant.3	LTE Ant.4	LTE Ant.5	LTE Ant.3	LTE Ant.4	LTE Ant.5
			nr Ant.0	nr Ant.0	nr Ant.0	nr Ant.1	nr Ant.1	nr Ant.1
2A+n66A	LTE Band2	n66	LTE Ant.3	LTE Ant.5	/	/	/	/
			nr Ant.4	nr Ant.4	/	/	/	/
5A+n66A	LTE Band5	n66	LTE Ant.0	LTE Ant.0	LTE Ant.0	LTE Ant.1	LTE Ant.1	LTE Ant.1
			nr Ant.3	nr Ant.4	nr Ant.5	nr Ant.3	nr Ant.4	nr Ant.5
7A+n66A	LTE Band7	n66	LTE Ant.4	LTE Ant.5	LTE Ant.3	LTE Ant.5	LTE Ant.3	LTE Ant.4
			nr Ant.3	nr Ant.3	nr Ant.4	nr Ant.4	nr Ant.5	nr Ant.5
12A+n66A	LTE Band12	n66	LTE Ant.0	LTE Ant.0	LTE Ant.0	LTE Ant.1	LTE Ant.1	LTE Ant.1
			nr Ant.3	nr Ant.4	nr Ant.5	nr Ant.3	nr Ant.4	nr Ant.5
2A+n38A	LTE Band2	n38	LTE Ant.4	LTE Ant.5	LTE Ant.3	LTE Ant.5	LTE Ant.3	LTE Ant.4
			nr Ant.3	nr Ant.3	nr Ant.4	nr Ant.4	nr Ant.5	nr Ant.5
4A+n38A	LTE Band4	n38	LTE Ant.4	LTE Ant.5	LTE Ant.3	LTE Ant.5	LTE Ant.3	LTE Ant.4
			nr Ant.3	nr Ant.3	nr Ant.4	nr Ant.4	nr Ant.5	nr Ant.5
5A+n38A	LTE Band5	n38	LTE Ant.0	LTE Ant.0	LTE Ant.0	LTE Ant.1	LTE Ant.1	LTE Ant.1
			nr Ant.3	nr Ant.4	nr Ant.5	nr Ant.3	nr Ant.4	nr Ant.5
66A+n38A	LTE Band66	n38	LTE Ant.4	LTE Ant.5	LTE Ant.3	LTE Ant.5	LTE Ant.3	LTE Ant.4
			nr Ant.3	nr Ant.3	nr Ant.4	nr Ant.4	nr Ant.5	nr Ant.5
2A+n41A	LTE Band2	n41	LTE Ant.4	LTE Ant.5	LTE Ant.3	LTE Ant.5	LTE Ant.3	LTE Ant.4
			nr Ant.3	nr Ant.3	nr Ant.4	nr Ant.4	nr Ant.5	nr Ant.5
4A+n41A	LTE Band4	n41	LTE Ant.4	LTE Ant.5	LTE Ant.3	LTE Ant.5	LTE Ant.3	LTE Ant.4
			nr Ant.3	nr Ant.3	nr Ant.4	nr Ant.4	nr Ant.5	nr Ant.5
26A+n41A	LTE Band26	n41	LTE Ant.0	LTE Ant.0	LTE Ant.0	LTE Ant.1	LTE Ant.1	LTE Ant.1
			nr Ant.3	nr Ant.4	nr Ant.5	nr Ant.3	nr Ant.4	nr Ant.5
66A+n41A	LTE Band66	n41	LTE Ant.4	LTE Ant.5	LTE Ant.3	LTE Ant.5	LTE Ant.3	LTE Ant.4
			nr Ant.3	nr Ant.3	nr Ant.4	nr Ant.4	nr Ant.5	nr Ant.5

Mode	Band	Antenna	WWAN Antenna							
			Full Power	Receiver on		Receiver off				
				Head		Body-worn		Hotspot	Specific	
				Standalone	Simultaneous transmission	Standalone	Simultaneous transmission	Simultaneous transmission	Standalone	Simultaneous transmission
				WWAN	WWAN + WLAN	WWAN	WWAN + WLAN	WWAN + WLAN	WWAN	WWAN + WLAN
			Off	State5	State10	State3	State8	State8	State3	State8
DC_7A+n5A	LTE Band7	Ant.3	24.80	18.30	17.30	21.30	19.80	19.80	21.30	19.80
	LTE Band7	Ant.4	25.00	25.00	25.00	23.50	21.50	21.50	23.50	21.50
	LTE Band7	Ant.5	22.50	19.00	18.00	22.50	21.00	21.00	22.50	21.00
	n5	Ant.0	23.80	21.80	20.80	21.30	20.80	20.80	21.30	20.80
	n5	Ant.1	25.00	21.50	20.50	21.50	20.00	20.00	21.50	20.00
DC_66A+n5A	LTE Band66	Ant.3	24.80	17.30	16.30	22.80	21.30	21.30	22.80	21.30
	LTE Band66	Ant.4	25.00	25.00	25.00	22.50	21.50	21.50	22.50	21.50
	LTE Band66	Ant.5	23.20	21.70	20.70	21.20	19.70	19.70	21.20	19.70
	n5	Ant.0	23.80	21.80	20.80	21.30	20.80	20.80	21.30	20.80
	n5	Ant.1	25.00	21.50	20.50	21.50	20.00	20.00	21.50	20.00
DC_2A_n7A	LTE Band2	Ant.3	23.80	18.80	18.30	22.30	20.80	20.80	22.30	20.80
	LTE Band2	Ant.5	22.20	21.20	20.20	21.20	19.20	19.20	21.20	19.20
	n7	Ant.4	25.40	25.40	25.40	22.90	20.90	20.90	22.90	20.90
DC_4A_n7A	LTE Band4	Ant.3	23.80	16.80	15.80	21.30	20.30	20.30	21.30	20.30
	LTE Band4	Ant.4	24.00	24.00	24.00	21.50	20.50	20.50	21.50	20.50
	LTE Band4	Ant.5	22.20	20.20	19.20	20.20	18.70	18.70	20.20	18.70
	n7	Ant.3	25.20	18.20	17.20	20.70	19.20	19.20	20.70	19.20
	n7	Ant.4	25.40	25.40	25.40	22.90	20.90	20.90	22.90	20.90
	n7	Ant.5	22.90	19.90	18.90	22.90	21.40	21.40	22.90	21.40
DC_5A_n7A	LTE Band5	Ant.0	23.80	21.80	20.80	21.30	20.80	20.80	21.30	20.80
	LTE Band5	Ant.1	25.00	21.50	20.50	21.50	21.00	21.00	21.50	21.00
	n7	Ant.3	25.20	18.20	17.20	20.70	19.20	19.20	20.70	19.20
	n7	Ant.4	25.40	25.40	25.40	22.90	20.90	20.90	22.90	20.90
	n7	Ant.5	22.90	19.90	18.90	22.90	21.40	21.40	22.90	21.40
DC_66A_n7A	LTE Band66	Ant.3	23.80	16.30	15.30	21.80	20.30	20.30	21.80	20.30
	LTE Band66	Ant.4	24.00	24.00	24.00	21.50	20.50	20.50	21.50	20.50
	LTE Band66	Ant.5	22.20	20.70	19.70	20.20	18.70	18.70	20.20	18.70
	n7	Ant.3	25.20	18.20	17.20	20.70	19.20	19.20	20.70	19.20
	n7	Ant.4	25.40	25.40	25.40	22.90	20.90	20.90	22.90	20.90
	n7	Ant.5	22.90	19.90	18.90	22.90	21.40	21.40	22.90	21.40
DC_7A_n26A	LTE Band7	Ant.3	24.80	18.30	17.30	21.30	19.80	19.80	21.30	19.80
	LTE Band7	Ant.4	25.00	25.00	25.00	23.50	21.50	21.50	23.50	21.50
	LTE Band7	Ant.5	22.50	19.00	18.00	22.50	21.00	21.00	22.50	21.00
	n26	Ant.0	23.80	21.30	20.30	21.80	20.80	20.80	21.80	20.80
	n26	Ant.1	25.00	21.00	20.00	22.00	21.00	21.00	22.00	21.00

DC_2A_n66A	LTE Band2	Ant.3	23.80	18.80	18.30	22.30	20.80	20.80	22.30	20.80
	LTE Band2	Ant.5	22.20	21.20	20.20	21.20	19.20	19.20	21.20	19.20
	n66	Ant.4	25.00	25.00	25.00	22.00	21.00	21.00	22.00	21.00
DC_5A_n66A	LTE Band5	Ant.0	23.80	21.80	20.80	21.30	20.80	20.80	21.30	20.80
	LTE Band5	Ant.1	25.00	21.50	20.50	21.50	21.00	21.00	21.50	21.00
	n66	Ant.3	24.80	16.80	17.30	22.30	20.80	20.80	22.30	20.80
	n66	Ant.4	25.00	25.00	25.00	22.00	21.00	21.00	22.00	21.00
	n66	Ant.5	23.20	21.20	20.70	20.70	19.20	19.20	20.70	19.20
DC_7A_n66A	LTE Band7	Ant.3	23.80	17.30	16.30	20.30	18.80	18.80	20.30	18.80
	LTE Band7	Ant.4	24.00	24.00	24.00	22.50	20.50	20.50	22.50	20.50
	LTE Band7	Ant.5	21.30	17.80	16.80	21.30	19.80	19.80	21.30	19.80
	n66	Ant.3	24.80	16.80	17.30	22.30	20.80	20.80	22.30	20.80
	n66	Ant.4	25.00	25.00	25.00	22.00	21.00	21.00	22.00	21.00
	n66	Ant.5	23.20	21.20	20.70	20.70	19.20	19.20	20.70	19.20
DC_12A_n66A	LTE Band12	Ant.0	23.80	23.80	22.80	22.80	21.80	21.80	22.80	21.80
	LTE Band12	Ant.1	25.00	25.00	24.00	23.50	22.50	22.50	23.50	22.50
	n66	Ant.3	24.80	16.80	17.30	22.30	20.80	20.80	22.30	20.80
	n66	Ant.4	25.00	25.00	25.00	22.00	21.00	21.00	22.00	21.00
	n66	Ant.5	23.20	21.20	20.70	20.70	19.20	19.20	20.70	19.20
DC_2A_n38A	LTE Band2	Ant.3	23.80	18.80	18.30	22.30	20.80	20.80	22.30	20.80
	LTE Band2	Ant.4	24.00	24.00	24.00	22.00	21.00	21.00	22.00	21.00
	LTE Band2	Ant.5	22.20	21.20	20.20	21.20	19.20	19.20	21.20	19.20
	n38	Ant.3	25.20	18.70	17.20	20.70	19.20	19.20	20.70	19.20
	n38	Ant.4	25.40	25.40	25.40	23.40	21.90	21.90	23.40	21.90
	n38	Ant.5	22.90	20.90	19.40	22.90	22.90	22.90	22.90	22.90
DC_4A_n38A	LTE Band4	Ant.3	23.80	16.80	15.80	21.30	20.30	20.30	21.30	20.30
	LTE Band4	Ant.4	24.00	24.00	24.00	21.50	20.50	20.50	21.50	20.50
	LTE Band4	Ant.5	22.20	20.20	19.20	20.20	18.70	18.70	20.20	18.70
	n38	Ant.3	25.20	18.70	17.20	20.70	19.20	19.20	20.70	19.20
	n38	Ant.4	25.40	25.40	25.40	23.40	21.90	21.90	23.40	21.90
	n38	Ant.5	23.60	21.60	20.10	23.60	23.60	23.60	23.60	23.60
DC_5A_n38A	LTE Band5	Ant.0	23.80	21.80	20.80	21.30	20.80	20.80	21.30	20.80
	LTE Band5	Ant.1	25.00	21.50	20.50	21.50	21.00	21.00	21.50	21.00
	n38	Ant.3	25.20	18.70	17.20	20.70	19.20	19.20	20.70	19.20
	n38	Ant.4	25.40	25.40	25.40	23.40	21.90	21.90	23.40	21.90
	n38	Ant.5	22.90	20.90	19.40	22.90	22.90	22.90	22.90	22.90
DC_66A_n38A	LTE Band66	Ant.3	23.80	16.30	15.30	21.80	20.30	20.30	21.80	20.30
	LTE Band66	Ant.4	24.00	24.00	24.00	21.50	20.50	20.50	21.50	20.50
	LTE Band66	Ant.5	22.20	20.70	19.70	20.20	18.70	18.70	20.20	18.70
	n38	Ant.3	25.20	18.70	17.20	20.70	19.20	19.20	20.70	19.20
	n38	Ant.4	25.40	25.40	25.40	23.40	21.90	21.90	23.40	21.90
	n38	Ant.5	23.60	21.60	20.10	23.60	23.60	23.60	23.60	23.60
DC_2A_n41A	LTE Band2	Ant.3	23.80	18.80	18.30	22.30	20.80	20.80	22.30	20.80

	LTE Band2	Ant.4	24.00	24.00	24.00	22.00	21.00	21.00	22.00	21.00
	LTE Band2	Ant.5	22.20	21.20	20.20	21.20	19.20	19.20	21.20	19.20
	n41	Ant.3	25.20	17.20	16.20	19.20	17.70	17.70	19.20	17.70
	n41	Ant.4	25.40	25.40	25.40	22.40	19.90	19.90	22.40	19.90
	n41	Ant.5	22.90	19.40	17.40	22.90	21.40	21.40	22.90	21.40
DC_4A_n41A	LTE Band4	Ant.3	23.80	16.80	15.80	21.30	20.30	20.30	21.30	20.30
	LTE Band4	Ant.4	24.00	24.00	24.00	21.50	20.50	20.50	21.50	20.50
	LTE Band4	Ant.5	22.20	20.20	19.20	20.20	18.70	18.70	20.20	18.70
	n41	Ant.3	25.20	17.20	16.20	19.20	17.70	17.70	19.20	17.70
	n41	Ant.4	25.40	25.40	25.40	22.40	19.90	19.90	22.40	19.90
	n41	Ant.5	22.90	19.40	17.40	22.90	21.40	21.40	22.90	21.40
DC_26A_n41A	LTE Band26	Ant.0	23.80	21.80	20.80	21.80	20.80	20.80	21.80	20.80
	LTE Band26	Ant.1	25.00	21.50	20.50	22.00	21.00	21.00	22.00	21.00
	n41	Ant.3	25.20	17.20	16.20	19.20	17.70	17.70	19.20	17.70
	n41	Ant.4	25.40	25.40	25.40	22.40	19.90	19.90	22.40	19.90
	n41	Ant.5	22.90	19.40	17.40	22.90	21.40	21.40	22.90	21.40
DC_66A_n41A	LTE Band66	Ant.3	23.80	16.30	15.30	21.80	20.30	20.30	21.80	20.30
	LTE Band66	Ant.4	24.00	24.00	24.00	21.50	20.50	20.50	21.50	20.50
	LTE Band66	Ant.5	22.20	20.70	19.70	20.20	18.70	18.70	20.20	18.70
	n41	Ant.3	25.20	17.20	16.20	19.20	17.70	17.70	19.20	17.70
	n41	Ant.4	25.40	25.40	25.40	22.40	19.90	19.90	22.40	19.90
	n41	Ant.5	22.90	19.40	17.40	22.90	21.40	21.40	22.90	21.40

WLAN Reduced power level table

Reduced level	Receiver state	Transmitting conditions	Antenna	Position
Level 1	On (head scenario)	2.4G/5G WIFI	Ant.8	Head
Level 2	On (head scenario)	5G WIFI+BT	Ant.8	Head
Level 3	On (head scenario)	2.4G/5G WIFI+WWAN	Ant.8	Head
Level 4	On (head scenario)	5G WIFI+BT+WWAN	Ant.8	Head
Level 5	Off (Body-Worn/Extremity scenario)	2.4G/5G WIFI	Ant.8	Front Side;Back Side；Left Edge;Right Edge;Top Edge;Bottom Edge
Level 6	Off (Body-Worn/Hotspot/Extremity scenario)	5G WIFI+BT	Ant.8	Front Side;Back Side；Left Edge;Right Edge;Top Edge;Bottom Edge
Level 7	Off (Body-Worn/Hotspot/Extremity scenario)	2.4G/5G WIFI+WWAN	Ant.8	Front Side;Back Side；Left Edge;Right Edge;Top Edge;Bottom Edge
Level 8	Off (Body-Worn/Hotspot/Extremity scenario)	5G WIFI+BT+WWAN	Ant.8	Front Side;Back Side；Left Edge;Right Edge;Top Edge;Bottom Edge

Bluetooth Reduced power level table

Reduced level	Receiver state	Transmitting conditions	Antenna	Position
Level 1	On (head scenario)	BT	Ant.8	Head
Level 2	On (head scenario)	5G WIFI+BT	Ant.8	Head
Level 3	On (head scenario)	BT+WWAN	Ant.8	Head
Level 4	On (head scenario)	5G WIFI+BT+WWAN	Ant.8	Head
Level 5	Off (Body-Worn/Extremity scenario)	BT	Ant.8	Front Side;Back Side；Left Edge;Right Edge;Top Edge;Bottom Edge
Level 6	Off (Body-Worn/Hotspot/Extremity scenario)	5G WIFI+BT	Ant.8	Front Side;Back Side；Left Edge;Right Edge;Top Edge;Bottom Edge
Level 7	Off (Body-Worn/Hotspot/Extremity scenario)	BT+WWAN	Ant.8	Front Side;Back Side；Left Edge;Right Edge;Top Edge;Bottom Edge
Level 8	Off (Body-Worn/Hotspot/Extremity 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	18.00	16.00	/	14.00	/	18.00	/	18.00	/	/	18.00	/	18.00	/	18.00	/
2.4G WLAN 802.11g	20.00	16.00	/	14.00	/	20.00	/	18.50	/	/	18.50	/	20.00	/	18.50	/
2.4G WLAN 802.11n20	21.00	16.00	/	14.00	/	21.00	/	18.50	/	/	18.50	/	21.00	/	18.50	/
2.4G WLAN 802.11n40	13.00	13.00	/	13.00	/	13.00	/	13.00	/	/	13.00	/	13.00	/	13.00	/
2.4G WLAN 802.11ac20	21.00	16.00	/	14.00	/	21.00	/	18.50	/	/	18.50	/	21.00	/	18.50	/
2.4G WLAN 802.11ac40	13.00	13.00	/	13.00	/	13.00	/	13.00	/	/	13.00	/	13.00	/	13.00	/
5.2G WLAN 802.11a	21.00	15.00	14.00	12.50	11.00	20.00	16.00	14.00	13.00	16.00	14.00	13.00	20.00	16.00	14.00	13.00
5.2G WLAN 802.11n20	20.00	15.00	14.00	12.50	11.00	20.00	16.00	14.00	13.00	16.00	14.00	13.00	20.00	16.00	14.00	13.00
5.2G WLAN 802.11n40	20.00	15.00	14.00	12.50	11.00	20.00	16.00	14.00	13.00	16.00	14.00	13.00	20.00	16.00	14.00	13.00
5.2G WLAN 802.11ac20	20.00	15.00	14.00	12.50	11.00	20.00	16.00	14.00	13.00	16.00	14.00	13.00	20.00	16.00	14.00	13.00
5.2G WLAN 802.11ac40	20.00	15.00	14.00	12.50	11.00	20.00	16.00	14.00	13.00	16.00	14.00	13.00	20.00	16.00	14.00	13.00
5.2G WLAN 802.11ac80	13.00	13.00	13.00	12.50	11.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00

5.3G WLAN 802.11a	21.00	15.00	14.00	12.50	11.00	20.00	16.00	14.00	13.00	16.00	14.00	13.00	20.00	16.00	14.00	13.00
5.3G WLAN 802.11n20	20.00	15.00	14.00	12.50	11.00	20.00	16.00	14.00	13.00	16.00	14.00	13.00	20.00	16.00	14.00	13.00
5.3G WLAN 802.11n40	20.00	15.00	14.00	12.50	11.00	20.00	16.00	14.00	13.00	16.00	14.00	13.00	20.00	16.00	14.00	13.00
5.3G WLAN 802.11ac20	20.00	15.00	14.00	12.50	11.00	20.00	16.00	14.00	13.00	16.00	14.00	13.00	20.00	16.00	14.00	13.00
5.3G WLAN 802.11ac40	20.00	15.00	14.00	12.50	11.00	20.00	16.00	14.00	13.00	16.00	14.00	13.00	20.00	16.00	14.00	13.00
5.3G WLAN 802.11ac80	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00
5.6G WLAN 802.11a	21.00	15.00	14.00	12.50	11.00	19.50	16.00	14.00	13.00	16.00	14.00	13.00	19.50	16.00	14.00	13.00
5.6G WLAN 802.11n20	20.00	15.00	14.00	12.50	11.00	19.50	16.00	14.00	13.00	16.00	14.00	13.00	19.50	16.00	14.00	13.00
5.6G WLAN 802.11n40	20.00	15.00	14.00	12.50	11.00	19.50	16.00	14.00	13.00	16.00	14.00	13.00	19.50	16.00	14.00	13.00
5.6G WLAN 802.11ac20	20.00	15.00	14.00	12.50	11.00	19.50	16.00	14.00	13.00	16.00	14.00	13.00	19.50	16.00	14.00	13.00
5.6G WLAN 802.11ac40	20.00	15.00	14.00	12.50	11.00	19.50	16.00	14.00	13.00	16.00	14.00	13.00	19.50	16.00	14.00	13.00
5.6G WLAN 802.11ac80	17.00	15.00	14.00	12.50	11.00	17.00	16.00	14.00	13.00	16.00	14.00	13.00	17.00	16.00	14.00	13.00
5.8G WLAN 802.11a	21.00	15.00	14.00	12.50	11.00	19.50	16.00	14.00	13.00	16.00	14.00	13.00	19.50	16.00	14.00	13.00
5.8G WLAN 802.11n20	20.50	15.00	14.00	12.50	11.00	19.50	16.00	14.00	13.00	16.00	14.00	13.00	19.50	16.00	14.00	13.00
5.8G WLAN 802.11n40	20.00	15.00	14.00	12.50	11.00	19.50	16.00	14.00	13.00	16.00	14.00	13.00	19.50	16.00	14.00	13.00
5.8G WLAN 802.11ac20	20.50	15.00	14.00	12.50	11.00	19.50	16.00	14.00	13.00	16.00	14.00	13.00	19.50	16.00	14.00	13.00
5.8G WLAN 802.11ac40	20.00	15.00	14.00	12.50	11.00	19.50	16.00	14.00	13.00	16.00	14.00	13.00	19.50	16.00	14.00	13.00
5.8G WLAN 802.11ac80	20.00	15.00	14.00	12.50	11.00	19.50	16.00	14.00	13.00	16.00	14.00	13.00	19.50	16.00	14.00	13.00
Bluetooth	18.00	15.00	13.00	13.00	8.00	18.00	18.00	18.00	13.50	18.00	18.00	13.50	18.00	18.00	18.00	13.50

9 TEST EXCLUSION CONSIDERATION

For antenna location and support bands please refer the document “BL-SZ2530966-AI EUT internal photo.pdf”.

Antenna	Description	Support Bands
Antenna 0	2/3/4/5G TX Antenna	GSM 850/900 WCDMA Band 5/8 LTE Band 5/8/12/13/17/18/19/26/28 NR n5/12/26
Antenna 1	2/3/4/5G TX Antenna	GSM 850/900 WCDMA Band 5/8 LTE Band 5/8/12/13/17/18/19/26/28 NR n5/12/26
Antenna 3	2/3/4/5G TX Antenna	GSM 1900 WCDMA Band 2/4 LTE Band 2/4/7/66/38/41 NR n2/7/66/38/41
Antenna 4	2/3/4/5G TX Antenna	GSM 1900 WCDMA Band 2/4 LTE Band 2/4/7/66/38/41 NR n2/7/66/38/41
Antenna 5	4/5G TX Antenna	LTE Band 4/7/66/38/41/48 NR n7/66/38/41
Antenna 6	4G TX Antenna	LTE Band 48
Antenna 7	4G TX Antenna	LTE Band 48
Antenna 8	WiFi 2.4G TX Antenna WiFi 5G TX Antenna Bluetooth TX Antenna	2.4G WiFi 5G WiFi Bluetooth
Antenna 10	4G TX Antenna	LTE Band 48

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.5	<25	<25	<25	>25	<25	>25
Ant.6	<25	<25	>25	<25	<25	>25
Ant.7	<25	<25	<25	<25	<25	>25
Ant.8	<25	<25	<25	>25	<25	>25
Ant.10	<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.						

10 TEST RESULT

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

10.1 GSM 850

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1 g Meas SAR(W/kg)	Meas. Power(dBm)	Max. tune-power(dBm)	Scaling Factor	1 g Scaled SAR (W/kg)	Meas. No.
Head													
Ant.0	State5&10	DATA 4slots	Left Cheek	0	128	824.2	0.10	0.546	22.86	24.50	1.459	0.797	/
	State5&10		Left Tilt	0	128	824.2	-0.15	0.244	22.86	24.50	1.459	0.356	/
	State5&10		Right Cheek	0	128	824.2	0.03	0.568	22.86	24.50	1.459	0.829	/
	State5&10		Right Tilt	0	128	824.2	-0.09	0.220	22.86	24.50	1.459	0.321	/
	State5&10		Right Cheek	0	190	836.6	0.03	0.757	22.69	24.50	1.517	1.148	/
	State5&10		Right Cheek	0	251	848.8	-0.02	0.779	22.70	24.50	1.514	1.179	/
Ant.1	State5	DATA 4slots	Left Cheek	0	251	848.8	0.05	0.799	23.78	25.50	1.486	**1.187**	1#
	State5		Left Tilt	0	251	848.8	-0.11	0.162	23.78	25.50	1.486	0.241	/
	State5		Right Cheek	0	251	848.8	0.02	0.649	23.78	25.50	1.486	0.964	/
	State5		Right Tilt	0	251	848.8	0.14	0.186	23.78	25.50	1.486	0.276	/
	State5		Left Cheek	0	128	824.2	0.02	0.482	23.69	25.50	1.517	0.731	/
	State5		Left Cheek	0	190	836.6	0.04	0.657	23.61	25.50	1.545	1.015	/
	State5		Right Cheek	0	128	824.2	-0.05	0.401	23.69	25.50	1.517	0.608	/
	State5		Right Cheek	0	190	836.6	0.08	0.545	23.61	25.50	1.545	0.842	/
Ant.1	State10	DATA 4slots	Left Cheek	0	128	824.2	0.03	0.535	22.74	24.50	1.500	0.803	/
	State10		Left Tilt	0	128	824.2	0.09	0.114	22.74	24.50	1.500	0.171	/
	State10		Right Cheek	0	128	824.2	0.09	0.458	22.74	24.50	1.500	0.687	/
	State10		Right Tilt	0	128	824.2	-0.05	0.133	22.74	24.50	1.500	0.200	/
	State10		Left Cheek	0	190	836.6	0.03	0.383	22.60	24.50	1.549	0.593	/
	State10		Left Cheek	0	251	848.8	-0.07	0.545	22.57	24.50	1.560	0.850	/
Body-worn													
Ant.0	State3	DATA 4slots	Front Side	15	251	848.8	0.10	0.338	24.63	26.50	1.538	0.520	/
	State3		Back Side	15	251	848.8	0.17	0.415	24.63	26.50	1.538	**0.638**	2#
Ant.0	State8	DATA 4slots	Front Side	15	128	824.2	-0.03	0.281	23.72	25.50	1.507	0.423	/
	State8		Back Side	15	128	824.2	0.02	0.296	23.72	25.50	1.507	0.446	/
Ant.1	State3	DATA 4slots	Front Side	15	251	848.8	-0.12	0.253	24.29	26.00	1.483	0.375	/
	State3		Back Side	15	251	848.8	0.09	0.312	24.29	26.00	1.483	0.463	/
Ant.1	State8	DATA 4slots	Front Side	15	128	824.2	-0.01	0.196	23.38	25.00	1.452	0.285	/
	State8		Back Side	15	128	824.2	-0.13	0.243	23.38	25.00	1.452	0.353	/
Hotspot													
Ant.0	State8	DATA 4slots	Front Side	10	128	824.2	-0.06	0.307	23.72	25.50	1.507	0.463	/
	State8		Back Side	10	128	824.2	-0.03	0.335	23.72	25.50	1.507	0.505	/
	State8		Left Edge	10	128	824.2	0.10	0.596	23.72	25.50	1.507	0.898	/

	State8		Bottom Edge	10	128	824.2	-0.13	0.098	23.72	25.50	1.507	0.148	/
	State8		Left Edge	10	190	836.6	0.15	0.525	23.62	25.50	1.542	0.810	/
	State8		Left Edge	10	251	848.8	-0.07	0.673	23.53	25.50	1.574	**1.059**	3#
Ant.1	State8	DATA 4slots	Front Side	10	128	824.2	0.11	0.300	23.38	25.00	1.452	0.436	/
	State8		Back Side	10	128	824.2	0.02	0.333	23.38	25.00	1.452	0.484	/
	State8		Right Edge	10	128	824.2	0.02	0.567	23.38	25.00	1.452	0.823	
	State8		Bottom Edge	10	128	824.2	-0.08	0.025	23.38	25.00	1.452	0.036	/
	State8		Right Edge	10	190	836.6	0.05	0.519	23.33	25.00	1.469	0.762	/
	State8		Right Edge	10	251	848.8	-0.02	0.564	23.04	25.00	1.570	0.885	/

10.2 GSM 900

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.0	State5&10	DATA 4slots	Left Cheek	0	124	914.8	0.06	0.354	22.71	24.50	1.510	0.535	/
	State5&10		Left Tilt	0	124	914.8	-0.02	0.123	22.71	24.50	1.510	0.186	/
	State5&10		Right Cheek	0	124	914.8	-0.03	0.625	22.71	24.50	1.510	0.944	/
	State5&10		Right Tilt	0	124	914.8	-0.02	0.110	22.71	24.50	1.510	0.166	/
	State5&10		Right Cheek	0	975	880.2	0.04	0.418	22.52	24.50	1.578	0.660	/
	State5&10		Right Cheek	0	38	897.6	-0.12	0.604	22.43	24.00	1.435	0.867	/
Ant.1	State5	DATA 4slots	Left Cheek	0	124	914.8	-0.10	0.589	22.43	24.00	1.435	0.845	/
	State5		Left Tilt	0	124	914.8	-0.14	0.124	22.43	24.00	1.435	0.178	/
	State5		Right Cheek	0	124	914.8	-0.15	0.519	22.43	24.00	1.435	0.745	/
	State5		Right Tilt	0	124	914.8	-0.10	0.153	22.43	24.00	1.435	0.220	/
	State5		Left Cheek	0	975	880.2	0.10	0.667	22.05	24.00	1.567	1.045	/
	State5		Left Cheek	0	38	897.6	0.11	0.716	22.30	24.00	1.479	**1.059**	4#
Ant.1	State10	DATA 4slots	Left Cheek	0	975	880.2	-0.10	0.543	21.24	23.00	1.500	0.815	/
	State10		Left Tilt	0	975	880.2	-0.14	0.105	21.24	23.00	1.500	0.158	/
	State10		Right Cheek	0	975	880.2	-0.15	0.465	21.24	23.00	1.500	0.698	/
	State10		Right Tilt	0	975	880.2	-0.10	0.132	21.24	23.00	1.500	0.198	/
	State10		Left Cheek	0	38	897.6	0.10	0.524	21.15	23.00	1.531	0.802	/
	State10		Left Cheek	0	124	914.8	0.11	0.545	21.07	23.00	1.560	0.850	/
Body-worn													
Ant.0	State3	DATA 4slots	Front Side	15	124	914.8	0.06	0.290	25.12	27.00	1.542	0.447	/
	State3		Back Side	15	124	914.8	0.05	0.316	25.12	27.00	1.542	0.487	/
Ant.0	State8	DATA 4slots	Front Side	15	38	897.6	-0.13	0.221	24.10	26.00	1.549	0.342	/
	State8		Back Side	15	38	897.6	0.01	0.239	24.10	26.00	1.549	0.370	/
Ant.1	State3	DATA 4slots	Front Side	15	124	914.8	-0.04	0.324	24.12	26.00	1.542	0.500	/
	State3		Back Side	15	124	914.8	-0.06	0.373	24.12	26.00	1.542	**0.575**	5#
Ant.1	State8	DATA 4slots	Front Side	15	124	914.8	-0.13	0.286	23.88	25.50	1.452	0.415	/
	State8		Back Side	15	124	914.8	-0.15	0.331	23.88	25.50	1.452	0.481	/
Hotspot													
Ant.0	State8	DATA 4slots	Front Side	10	38	897.6	0.06	0.272	24.10	26.00	1.549	0.421	/
	State8		Back Side	10	38	897.6	0.12	0.303	24.10	26.00	1.549	0.469	/
	State8		Left Edge	10	38	897.6	0.14	0.591	24.10	26.00	1.549	0.915	
	State8		Bottom Edge	10	38	897.6	0.02	0.060	24.10	26.00	1.549	0.093	
	State8		Left Edge	10	975	880.2	0.15	0.520	24.04	26.00	1.570	0.816	/
	State8		Left Edge	10	124	914.8	0.13	0.602	24.03	26.00	1.574	0.948	/
Ant.1	State8	DATA 4slots	Front Side	10	124	914.8	0.02	0.328	23.88	25.50	1.452	0.476	/
	State8		Back Side	10	124	914.8	-0.01	0.447	23.88	25.50	1.452	0.649	/

	State8		Right Edge	10	124	914.8	-0.18	0.687	23.88	25.50	1.452	**0.998**	6#
	State8		Bottom Edge	10	124	914.8	0.07	0.040	23.88	25.50	1.452	0.058	/
	State8		Right Edge	10	975	880.2	0.11	0.472	23.69	25.50	1.517	0.716	/
	State8		Right Edge	10	38	897.6	0.04	0.618	23.68	25.50	1.521	0.940	/

10.3 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 4slots	Left Cheek	0	661	1880	-0.07	0.295	21.85	23.80	1.567	0.462	/
	State5		Left Tilt	0	661	1880	0.15	0.359	21.85	23.80	1.567	0.563	/
	State5		Right Cheek	0	661	1880	0.01	0.545	21.85	23.80	1.567	0.854	/
	State5		Right Tilt	0	661	1880	0.03	0.565	21.85	23.80	1.567	0.885	/
	State5		Right Cheek	0	512	1850.2	0.03	0.580	21.85	23.80	1.567	0.909	/
	State5		Right Cheek	0	810	1909.8	-0.05	0.486	21.83	23.80	1.574	0.765	/
	State5		Right Tilt	0	512	1850.2	-0.04	0.604	21.85	23.80	1.567	**0.946**	7#
	State5		Right Tilt	0	810	1909.8	-0.14	0.502	21.83	23.80	1.574	0.790	/
Ant.3	State10	DATA 4slots	Left Cheek	0	512	1850.2	-0.08	0.232	20.86	22.80	1.563	0.363	/
	State10		Left Tilt	0	512	1850.2	-0.07	0.286	20.86	22.80	1.563	0.447	/
	State10		Right Cheek	0	512	1850.2	-0.07	0.430	20.86	22.80	1.563	0.672	/
	State10		Right Tilt	0	512	1850.2	-0.06	0.449	20.86	22.80	1.563	0.702	/
Ant.4	State5&10	DATA 4slots	Left Cheek	0	810	1909.8	0.12	0.046	24.03	25.50	1.403	0.065	/
	State5&10		Left Tilt	0	810	1909.8	0.02	0.015	24.03	25.50	1.403	0.021	/
	State5&10		Right Cheek	0	810	1909.8	0.06	0.028	24.03	25.50	1.403	0.039	/
	State5&10		Right Tilt	0	810	1909.8	-0.12	0.009	24.03	25.50	1.403	0.013	/
Body-worn													
Ant.3	State3	DATA 4slots	Front Side	15	810	1909.8	-0.14	0.100	23.48	25.30	1.521	0.152	/
	State3		Back Side	15	810	1909.8	-0.08	0.122	23.48	25.30	1.521	**0.186**	8#
Ant.3	State8	DATA 4slots	Front Side	15	512	1850.2	0.09	0.081	22.89	24.80	1.552	0.126	/
	State8		Back Side	15	512	1850.2	-0.08	0.096	22.89	24.80	1.552	0.149	/
Ant.4	State3&8	DATA 4slots	Front Side	15	810	1909.8	-0.05	0.071	24.03	25.50	1.403	0.100	/
	State3&8		Back Side	15	810	1909.8	0.03	0.105	24.03	25.50	1.403	0.147	/
Hotspot													
Ant.3	State8	DATA 4slots	Front Side	10	512	1850.2	-0.07	0.153	22.89	24.80	1.552	0.237	/
	State8		Back Side	10	512	1850.2	-0.08	0.195	22.89	24.80	1.552	0.303	/
	State8		Right Edge	10	512	1850.2	0.13	0.105	22.89	24.80	1.552	0.163	/
	State8		Top Edge	10	512	1850.2	0.01	0.366	22.89	24.80	1.552	**0.568**	9#
Ant.4	State8	DATA 4slots	Front Side	10	661	1880	0.11	0.163	24.03	25.50	1.403	0.229	/
	State8		Back Side	10	661	1880	-0.14	0.211	24.03	25.50	1.403	0.296	/
	State8		Left Edge	10	661	1880	0.02	0.053	24.03	25.50	1.403	0.074	/
	State8		Right Edge	10	661	1880	0.09	0.075	24.03	25.50	1.403	0.105	/
	State8		Bottom Edge	10	661	1880	-0.06	0.323	24.03	25.50	1.403	0.453	/

10.4WCDMA 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	9262	1852.4	0.07	0.386	18.12	18.60	1.117	0.431	/
	State5		Left Tilt	0	9262	1852.4	-0.06	0.487	18.12	18.60	1.117	0.544	/
	State5		Right Cheek	0	9262	1852.4	0.06	0.714	18.12	18.60	1.117	0.798	/
	State5		Right Tilt	0	9262	1852.4	0.02	0.766	18.12	18.60	1.117	**0.856**	10#
	State5		Right Tilt	0	9400	1880	0.01	0.724	18.09	18.60	1.125	0.815	/
	State5		Right Tilt	0	9538	1907.6	-0.12	0.655	18.09	18.60	1.125	0.737	/
Ant.3	State10	RMC	Left Cheek	0	9538	1907.6	0.08	0.342	17.59	18.10	1.125	0.385	/
	State10		Left Tilt	0	9538	1907.6	-0.04	0.429	17.59	18.10	1.125	0.483	/
	State10		Right Cheek	0	9538	1907.6	-0.09	0.635	17.59	18.10	1.125	0.714	/
	State10		Right Tilt	0	9538	1907.6	0.13	0.645	17.59	18.10	1.125	0.726	/
Ant.4	State5&10	RMC	Left Cheek	0	9538	1907.6	0.09	0.170	24.40	24.80	1.096	0.186	/
	State5&10		Left Tilt	0	9538	1907.6	-0.10	0.060	24.40	24.80	1.096	0.066	/
	State5&10		Right Cheek	0	9538	1907.6	0.04	0.096	24.40	24.80	1.096	0.105	/
	State5&10		Right Tilt	0	9538	1907.6	-0.15	0.048	24.40	24.80	1.096	0.053	/
Body-worn													
Ant.3	State3	RMC	Front Side	15	9262	1852.4	0.08	0.216	21.73	22.10	1.089	0.235	/
	State3		Back Side	15	9262	1852.4	-0.05	0.301	21.73	22.10	1.089	**0.328**	11#
Ant.3	State8	RMC	Front Side	15	9262	1852.4	-0.07	0.146	20.24	20.60	1.086	0.159	/
	State8		Back Side	15	9262	1852.4	-0.11	0.198	20.24	20.60	1.086	0.215	/
Ant.4	State3	RMC	Front Side	15	9538	1907.6	0.08	0.129	21.52	21.80	1.067	0.138	/
	State3		Back Side	15	9538	1907.6	-0.03	0.163	21.52	21.80	1.067	0.174	/
Ant.4	State8	RMC	Front Side	15	9538	1907.6	-0.07	0.118	21.09	21.30	1.050	0.124	/
	State8		Back Side	15	9538	1907.6	0.14	0.174	21.09	21.30	1.050	0.183	/
Hotspot													
Ant.3	State8	RMC	Front Side	10	9262	1852.4	0.11	0.232	20.24	20.60	1.086	0.252	/
	State8		Back Side	10	9262	1852.4	-0.09	0.268	20.24	20.60	1.086	0.291	/
	State8		Right Edge	10	9262	1852.4	-0.11	0.146	20.24	20.60	1.086	0.159	/
	State8		Top Edge	10	9262	1852.4	0.00	0.494	20.24	20.60	1.086	**0.536**	12#
Ant.4	State8	RMC	Front Side	10	9538	1907.6	-0.04	0.197	21.09	21.30	1.050	0.207	/
	State8		Back Side	10	9538	1907.6	-0.10	0.248	21.09	21.30	1.050	0.260	/
	State8		Left Edge	10	9538	1907.6	0.01	0.069	21.09	21.30	1.050	0.072	/
	State8		Right Edge	10	9538	1907.6	-0.07	0.089	21.09	21.30	1.050	0.093	/
	State8		Bottom Edge	10	9538	1907.6	-0.06	0.392	21.09	21.30	1.050	0.412	/

10.5WCDMA 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	1412	1732.4	-0.04	0.416	16.82	17.10	1.067	0.444	/
	State5		Left Tilt	0	1412	1732.4	0.11	0.428	16.82	17.10	1.067	0.457	/
	State5		Right Cheek	0	1412	1732.4	0.04	0.695	16.82	17.10	1.067	**0.742**	13#
	State5		Right Tilt	0	1412	1732.4	0.15	0.665	16.82	17.10	1.067	0.710	/
Ant.3	State10	RMC	Left Cheek	0	1412	1732.4	0.14	0.368	16.32	16.60	1.067	0.393	/
	State10		Left Tilt	0	1412	1732.4	0.01	0.380	16.32	16.60	1.067	0.405	/
	State10		Right Cheek	0	1412	1732.4	-0.11	0.610	16.32	16.60	1.067	0.651	/
	State10		Right Tilt	0	1412	1732.4	0.11	0.596	16.32	16.60	1.067	0.636	/
Ant.4	State5&10	RMC	Left Cheek	0	1412	1732.4	0.10	0.173	24.43	24.80	1.089	0.188	/
	State5&10		Left Tilt	0	1412	1732.4	-0.04	0.065	24.43	24.80	1.089	0.071	/
	State5&10		Right Cheek	0	1412	1732.4	-0.04	0.160	24.43	24.80	1.089	0.174	/
	State5&10		Right Tilt	0	1412	1732.4	-0.05	0.042	24.43	24.80	1.089	0.046	/
Body-worn													
Ant.3	State3	RMC	Front Side	15	1513	1752.6	0.07	0.151	22.42	22.60	1.042	0.157	/
	State3		Back Side	15	1513	1752.6	-0.04	0.321	22.42	22.60	1.042	**0.334**	14#
Ant.3	State8	RMC	Front Side	15	1513	1752.6	-0.08	0.169	20.35	20.60	1.059	0.179	/
	State8		Back Side	15	1513	1752.6	-0.02	0.203	20.35	20.60	1.059	0.215	/
Ant.4	State3	RMC	Front Side	15	1412	1732.4	0.10	0.124	22.11	22.30	1.045	0.130	/
	State3		Back Side	15	1412	1732.4	0.03	0.172	22.11	22.30	1.045	0.180	/
Ant.4	State8	RMC	Front Side	15	1513	1752.6	-0.08	0.099	21.10	21.30	1.047	0.104	/
	State8		Back Side	15	1513	1752.6	0.13	0.137	21.10	21.30	1.047	0.143	/
Hotspot													
Ant.3	State8	RMC	Front Side	10	1513	1752.6	-0.08	0.319	20.35	20.60	1.059	0.338	/
	State8		Back Side	10	1513	1752.6	0.01	0.366	20.35	20.60	1.059	0.388	/
	State8		Right Edge	10	1513	1752.6	0.04	0.088	20.35	20.60	1.059	0.093	/
	State8		Top Edge	10	1513	1752.6	-0.08	0.429	20.35	20.60	1.059	0.454	/
Ant.4	State8	RMC	Front Side	10	1513	1752.6	0.12	0.220	21.10	21.30	1.047	0.230	/
	State8		Back Side	10	1513	1752.6	0.08	0.278	21.10	21.30	1.047	0.291	/
	State8		Left Edge	10	1513	1752.6	0.04	0.056	21.10	21.30	1.047	0.059	/
	State8		Right Edge	10	1513	1752.6	0.10	0.064	21.10	21.30	1.047	0.067	/
	State8		Bottom Edge	10	1513	1752.6	-0.05	0.472	21.10	21.30	1.047	**0.494**	15#

10.6WCDMA 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.0	State5&10	RMC	Left Cheek	0	4233	846.6	-0.08	0.603	19.26	20.60	1.361	0.821	/
	State5&10		Left Tilt	0	4233	846.6	0.04	0.206	19.26	20.60	1.361	0.280	/
	State5&10		Right Cheek	0	4233	846.6	0.03	0.758	19.26	20.60	1.361	**1.032**	16#
	State5&10		Right Tilt	0	4233	846.6	0.10	0.189	19.26	20.60	1.361	0.257	/
	State5&10		Left Cheek	0	4132	826.4	0.02	0.460	19.19	20.60	1.384	0.637	/
	State5&10		Left Cheek	0	4182	836.4	-0.05	0.581	19.25	20.60	1.365	0.793	/
	State5&10		Right Cheek	0	4132	826.4	-0.10	0.572	19.19	20.60	1.384	0.792	/
	State5&10		Right Cheek	0	4182	836.4	-0.02	0.724	19.25	20.60	1.365	0.988	/
Ant.1	State5	RMC	Left Cheek	0	4182	836.4	-0.04	0.779	19.80	20.30	1.122	0.874	/
	State5		Left Tilt	0	4182	836.4	-0.15	0.164	19.80	20.30	1.122	0.184	/
	State5		Right Cheek	0	4182	836.4	-0.04	0.656	19.80	20.30	1.122	0.736	/
	State5		Right Tilt	0	4182	836.4	0.14	0.189	19.80	20.30	1.122	0.212	/
	State5		Left Cheek	0	4132	826.4	0.15	0.638	19.79	20.30	1.125	0.718	/
	State5		Left Cheek	0	4233	846.6	0.02	0.865	19.67	20.30	1.156	1.000	/
Ant.1	State10	RMC	Left Cheek	0	4182	836.4	0.05	0.615	18.80	19.30	1.122	0.690	/
	State10		Left Tilt	0	4182	836.4	-0.11	0.128	18.80	19.30	1.122	0.144	/
	State10		Right Cheek	0	4182	836.4	0.03	0.523	18.80	19.30	1.122	0.587	/
	State10		Right Tilt	0	4182	836.4	0.12	0.152	18.80	19.30	1.122	0.171	/
Body-worn													
Ant.0	State3	RMC	Front Side	15	4233	846.6	-0.08	0.173	20.69	22.10	1.384	0.239	/
	State3		Back Side	15	4233	846.6	-0.09	0.225	20.69	22.10	1.384	0.311	/
Ant.0	State8	RMC	Front Side	15	4182	836.4	0.02	0.137	19.69	21.10	1.384	0.190	/
	State8		Back Side	15	4182	836.4	0.07	0.178	19.69	21.10	1.384	0.246	/
Ant.1	State3	RMC	Front Side	15	4233	846.6	-0.14	0.335	21.87	22.30	1.104	0.370	/
	State3		Back Side	15	4233	846.6	0.01	0.452	21.87	22.30	1.104	**0.499**	17#
Ant.1	State8	RMC	Front Side	15	4233	846.6	0.01	0.268	20.83	21.30	1.114	0.299	/
	State8		Back Side	15	4233	846.6	-0.08	0.359	20.83	21.30	1.114	0.400	/
Hotspot													
Ant.0	State8	RMC	Front Side	10	4182	836.4	-0.14	0.277	19.69	21.10	1.384	0.383	/
	State8		Back Side	10	4182	836.4	-0.11	0.285	19.69	21.10	1.384	0.394	/
	State8		Left Edge	10	4182	836.4	0.12	0.516	19.69	21.10	1.384	0.714	/
	State8		Bottom Edge	10	4182	836.4	-0.15	0.019	19.69	21.10	1.384	0.026	/
Ant.1	State8	RMC	Front Side	10	4233	846.6	-0.01	0.395	20.83	21.30	1.114	0.440	/
	State8		Back Side	10	4233	846.6	-0.15	0.471	20.83	21.30	1.114	0.525	/
	State8		Right Edge	10	4233	846.6	-0.10	0.708	20.83	21.30	1.114	**0.789**	18#
	State8		Bottom Edge	10	4233	846.6	-0.01	0.032	20.83	21.30	1.114	0.036	/

10.7WCDMA Band 8

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.0	State5&10	RMC	Left Cheek	0	2712	882.4	-0.12	0.479	19.32	20.60	1.343	0.643	/
	State5&10		Left Tilt	0	2712	882.4	0.03	0.162	19.32	20.60	1.343	0.218	/
	State5&10		Right Cheek	0	2712	882.4	0.05	0.706	19.32	20.60	1.343	0.948	/
	State5&10		Right Tilt	0	2712	882.4	0.10	0.138	19.32	20.60	1.343	0.185	/
	State5&10		Right Cheek	0	2787	897.4	0.03	0.545	19.23	20.60	1.371	0.747	/
	State5&10		Right Cheek	0	2863	912.6	0.07	0.835	19.21	20.60	1.377	**1.150**	19#
Ant.1	State5	RMC	Left Cheek	0	2712	882.4	0.04	0.176	20.38	20.80	1.102	0.194	/
	State5		Left Tilt	0	2712	882.4	-0.03	0.030	20.38	20.80	1.102	0.033	/
	State5		Right Cheek	0	2712	882.4	0.11	0.107	20.38	20.80	1.102	0.118	/
	State5		Right Tilt	0	2712	882.4	-0.10	0.030	20.38	20.80	1.102	0.033	/
Ant.1	State10	RMC	Left Cheek	0	2712	882.4	0.10	0.128	19.36	19.80	1.107	0.142	/
	State10		Left Tilt	0	2712	882.4	-0.09	0.024	19.36	19.80	1.107	0.027	/
	State10		Right Cheek	0	2712	882.4	-0.06	0.085	19.36	19.80	1.107	0.094	/
	State10		Right Tilt	0	2712	882.4	0.09	0.025	19.36	19.80	1.107	0.028	/
Body-worn													
Ant.0	State3	RMC	Front Side	15	2712	882.4	0.10	0.376	21.80	23.10	1.349	0.507	/
	State3		Back Side	15	2712	882.4	-0.07	0.385	21.80	23.10	1.349	**0.519**	20#
Ant.0	State8	RMC	Front Side	15	2712	882.4	0.02	0.298	20.82	22.10	1.343	0.400	/
	State8		Back Side	15	2712	882.4	-0.03	0.296	20.82	22.10	1.343	0.398	/
Ant.1	State3	RMC	Front Side	15	2712	882.4	-0.13	0.070	21.02	21.30	1.067	0.075	/
	State3		Back Side	15	2712	882.4	-0.03	0.098	21.02	21.30	1.067	0.105	/
Ant.1	State8	RMC	Front Side	15	2712	882.4	0.01	0.055	19.92	20.30	1.091	0.060	/
	State8		Back Side	15	2712	882.4	-0.03	0.077	19.92	20.30	1.091	0.084	/
Hotspot													
Ant.0	State8	RMC	Front Side	10	2712	882.4	-0.08	0.287	20.82	22.10	1.343	0.385	/
	State8		Back Side	10	2712	882.4	0.06	0.301	20.82	22.10	1.343	0.404	/
	State8		Left Edge	10	2712	882.4	-0.11	0.598	20.82	22.10	1.343	0.803	/
	State8		Bottom Edge	10	2712	882.4	-0.13	0.034	20.82	22.10	1.343	0.046	/
	State8		Left Edge	10	2787	897.4	-0.07	0.534	20.73	22.10	1.371	0.732	/
	State8		Left Edge	10	2863	912.6	0.11	0.662	20.66	22.10	1.393	**0.922**	21#
Ant.1	State8	RMC	Front Side	10	2712	882.4	0.07	0.052	19.92	20.30	1.091	0.057	/
	State8		Back Side	10	2712	882.4	-0.04	0.068	19.92	20.30	1.091	0.074	/
	State8		Right Edge	10	2712	882.4	-0.15	0.155	19.92	20.30	1.091	0.169	/
	State8		Bottom Edge	10	2712	882.4	-0.12	0.009	19.92	20.30	1.091	0.010	/

10.8 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	Mid	-0.08	0.374	18.00	18.80	1.202	0.450	/
	State5		Left Tilt	0	19100	1900	1	Mid	-0.02	0.448	18.00	18.80	1.202	0.538	/
	State5		Right Cheek	0	19100	1900	1	Mid	0.15	0.710	18.00	18.80	1.202	0.853	/
	State5		Right Tilt	0	19100	1900	1	Mid	0.09	0.719	18.00	18.80	1.202	0.864	/
	State5		Left Cheek	0	19100	1900	50	High	0.11	0.374	18.15	18.80	1.161	0.434	/
	State5		Left Tilt	0	19100	1900	50	High	-0.11	0.454	18.15	18.80	1.161	0.527	/
	State5		Right Cheek	0	19100	1900	50	High	-0.14	0.704	18.15	18.80	1.161	0.817	/
	State5		Right Tilt	0	19100	1900	50	High	0.04	0.714	18.15	18.80	1.161	0.829	/
	State5		Right Cheek	0	18700	1880	1	Mid	0.06	0.735	17.97	18.80	1.211	0.890	/
	State5		Right Cheek	0	18900	1890	1	Mid	-0.02	0.652	17.94	18.80	1.219	0.795	/
	State5		Right Cheek	0	18700	1880	50	Mid	-0.03	0.738	18.08	18.80	1.180	0.871	/
	State5		Right Cheek	0	18900	1890	50	High	0.03	0.649	18.06	18.80	1.186	0.770	/
	State5		Right Cheek	0	19100	1900	100	Low	-0.04	0.674	18.13	18.80	1.167	0.787	/
	State5		Right Tilt	0	18700	1880	1	Mid	-0.05	0.753	17.97	18.80	1.211	**0.912**	22#
	State5		Right Tilt	0	18900	1890	1	Mid	0.02	0.676	17.94	18.80	1.219	0.824	/
	State5		Right Tilt	0	18700	1880	50	Mid	0.01	0.755	18.08	18.80	1.180	0.891	/
	State5		Right Tilt	0	18900	1890	50	High	0.14	0.667	18.06	18.80	1.186	0.791	/
	State5		Right Tilt	0	19100	1900	100	Low	-0.06	0.701	18.13	18.80	1.167	0.818	/
Ant.3	State10	QPSK	Left Cheek	0	19100	1900	1	Mid	-0.01	0.332	17.32	18.30	1.253	0.416	/
	State10		Left Tilt	0	19100	1900	1	Mid	0.07	0.396	17.32	18.30	1.253	0.496	/
	State10		Right Cheek	0	19100	1900	1	Mid	-0.12	0.631	17.32	18.30	1.253	0.791	/
	State10		Right Tilt	0	19100	1900	1	Mid	0.12	0.636	17.32	18.30	1.253	0.797	/
	State10		Left Cheek	0	19100	1900	50	Mid	-0.08	0.333	17.45	18.30	1.216	0.405	/
	State10		Left Tilt	0	19100	1900	50	Mid	0.15	0.405	17.45	18.30	1.216	0.492	/
	State10		Right Cheek	0	19100	1900	50	Mid	-0.11	0.628	17.45	18.30	1.216	0.764	/
	State10		Right Tilt	0	19100	1900	50	Mid	-0.15	0.636	17.45	18.30	1.216	0.773	/
Ant.5	State5	QPSK	Left Cheek	0	18900	1890	1	High	0.06	0.798	20.64	21.20	1.138	0.908	/
	State5		Left Tilt	0	18900	1890	1	High	0.10	0.537	20.64	21.20	1.138	0.611	/
	State5		Right Cheek	0	18900	1890	1	High	0.04	0.248	20.64	21.20	1.138	0.282	/
	State5		Right Tilt	0	18900	1890	1	High	0.01	0.266	20.64	21.20	1.138	0.303	/
	State5		Left Cheek	0	18900	1890	50	High	0.08	0.782	20.67	21.20	1.130	0.884	/
	State5		Left Tilt	0	18900	1890	50	High	-0.07	0.500	20.67	21.20	1.130	0.565	/
	State5		Right Cheek	0	18900	1890	50	High	0.10	0.265	20.67	21.20	1.130	0.299	/
	State5		Right Tilt	0	18900	1890	50	High	-0.07	0.275	20.67	21.20	1.130	0.311	/
	State5		Left Cheek	0	18700	1880	1	Mid	-0.03	0.755	20.64	21.20	1.138	0.859	/
	State5		Left Cheek	0	19100	1900	1	Mid	0.03	0.785	20.61	21.20	1.146	0.900	/

	State5		Left Cheek	0	18700	1880	50	High	-0.01	0.763	20.58	21.20	1.153	0.880	/
	State5		Left Cheek	0	19100	1900	50	Mid	0.07	0.771	20.64	21.20	1.138	0.877	/
	State5		Left Cheek	0	18900	1890	100	Low	0.10	0.798	20.66	21.20	1.132	0.903	/
Ant.5	State10	QPSK	Left Cheek	0	18900	1890	1	Low	0.00	0.638	19.69	20.20	1.125	0.718	/
	State10		Left Tilt	0	18900	1890	1	Low	-0.09	0.426	19.69	20.20	1.125	0.479	/
	State10		Right Cheek	0	18900	1890	1	Low	0.05	0.199	19.69	20.20	1.125	0.224	/
	State10		Right Tilt	0	18900	1890	1	Low	-0.10	0.210	19.69	20.20	1.125	0.236	/
	State10		Left Cheek	0	18900	1890	50	Mid	-0.08	0.628	19.64	20.20	1.138	0.715	/
	State10		Left Tilt	0	18900	1890	50	Mid	-0.07	0.401	19.64	20.20	1.138	0.456	/
	State10		Right Cheek	0	18900	1890	50	Mid	-0.03	0.208	19.64	20.20	1.138	0.237	/
	State10		Right Tilt	0	18900	1890	50	Mid	-0.07	0.215	19.64	20.20	1.138	0.245	/
Ant.4	State5&10	QPSK	Left Cheek	0	19100	1900	1	Mid	-0.10	0.122	23.44	24.00	1.138	0.139	/
	State5&10		Left Tilt	0	19100	1900	1	Mid	0.12	0.046	23.44	24.00	1.138	0.052	/
	State5&10		Right Cheek	0	19100	1900	1	Mid	0.06	0.075	23.44	24.00	1.138	0.085	/
	State5&10		Right Tilt	0	19100	1900	1	Mid	0.02	0.034	23.44	24.00	1.138	0.039	/
	State5&10		Left Cheek	0	19100	1900	50	Mid	-0.13	0.102	22.59	23.50	1.233	0.126	/
	State5&10		Left Tilt	0	19100	1900	50	Mid	0.12	0.039	22.59	23.50	1.233	0.048	/
	State5&10		Right Cheek	0	19100	1900	50	Mid	-0.01	0.059	22.59	23.50	1.233	0.073	/
	State5&10		Right Tilt	0	19100	1900	50	Mid	0.09	0.011	22.59	23.50	1.233	0.014	/
Body-worn															
Ant.3	State3	QPSK	Front Side	15	19100	1900	1	Mid	-0.14	0.190	21.58	22.30	1.180	0.224	/
	State3		Back Side	15	19100	1900	1	Mid	-0.15	0.254	21.58	22.30	1.180	**0.300**	23#
	State3		Front Side	15	19100	1900	50	High	-0.09	0.192	21.77	22.30	1.130	0.217	/
	State3		Back Side	15	19100	1900	50	High	0.04	0.258	21.77	22.30	1.130	0.292	/
Ant.3	State8	QPSK	Front Side	15	19100	1900	1	Mid	-0.07	0.138	19.98	20.80	1.208	0.167	/
	State8		Back Side	15	19100	1900	1	Mid	-0.09	0.179	19.98	20.80	1.208	0.216	/
	State8		Front Side	15	19100	1900	50	High	-0.09	0.135	20.12	20.80	1.169	0.158	/
	State8		Back Side	15	19100	1900	50	High	-0.01	0.182	20.12	20.80	1.169	0.213	/
Ant.5	State3	QPSK	Front Side	15	18900	1890	1	High	-0.04	0.079	20.64	21.20	1.138	0.090	/
	State3		Back Side	15	18900	1890	1	High	-0.05	0.104	20.64	21.20	1.138	0.118	/
	State3		Front Side	15	18900	1890	50	High	-0.05	0.075	20.67	21.20	1.130	0.085	/
	State3		Back Side	15	18900	1890	50	High	0.06	0.103	20.67	21.20	1.130	0.116	/
Ant.5	State8	QPSK	Front Side	15	19100	1900	1	Mid	-0.02	0.062	18.63	19.20	1.140	0.071	/
	State8		Back Side	15	19100	1900	1	Mid	-0.07	0.084	18.63	19.20	1.140	0.096	/
	State8		Front Side	15	18900	1890	50	High	-0.01	0.059	18.64	19.20	1.138	0.067	/
	State8		Back Side	15	18900	1890	50	High	-0.03	0.081	18.64	19.20	1.138	0.092	/
Ant.4	State3	QPSK	Front Side	15	19100	1900	1	Mid	0.06	0.132	21.39	22.00	1.151	0.152	/
	State3		Back Side	15	19100	1900	1	Mid	0.11	0.170	21.39	22.00	1.151	0.196	/
	State3		Front Side	15	19100	1900	50	Mid	-0.15	0.134	21.50	22.00	1.122	0.150	/
	State3		Back Side	15	19100	1900	50	Mid	-0.02	0.173	21.50	22.00	1.122	0.194	/
Ant.4	State8	QPSK	Front Side	15	19100	1900	1	Mid	-0.01	0.103	20.36	21.00	1.159	0.119	/
	State8		Back Side	15	19100	1900	1	Mid	0.14	0.136	20.36	21.00	1.159	0.158	/
	State8		Front Side	15	19100	1900	50	High	-0.03	0.104	20.48	21.00	1.127	0.117	/

	State8		Back Side	15	19100	1900	50	High	0.10	0.136	20.48	21.00	1.127	0.153	/
Hotspot															
Ant.3	State8	QPSK	Front Side	10	19100	1900	1	Mid	0.05	0.284	19.98	20.80	1.208	0.343	/
	State8		Back Side	10	19100	1900	1	Mid	0.00	0.346	19.98	20.80	1.208	0.418	/
	State8		Right Edge	10	19100	1900	1	Mid	-0.02	0.170	19.98	20.80	1.208	0.205	/
	State8		Top Edge	10	19100	1900	1	Mid	-0.10	0.645	19.98	20.80	1.208	0.779	/
	State8		Front Side	10	19100	1900	50	High	0.02	0.290	20.12	20.80	1.169	0.339	/
	State8		Back Side	10	19100	1900	50	High	-0.05	0.330	20.12	20.80	1.169	0.386	/
	State8		Right Edge	10	19100	1900	50	High	-0.10	0.174	20.12	20.80	1.169	0.203	/
	State8		Top Edge	10	19100	1900	50	High	0.03	0.667	20.12	20.80	1.169	**0.780**	24#
Ant.5	State8	QPSK	Front Side	10	19100	1900	1	Mid	-0.06	0.175	18.63	19.20	1.140	0.200	/
	State8		Back Side	10	19100	1900	1	Mid	-0.09	0.263	18.63	19.20	1.140	0.300	/
	State8		Left Edge	10	19100	1900	1	Mid	-0.04	0.165	18.63	19.20	1.140	0.188	/
	State8		Top Edge	10	19100	1900	1	Mid	0.05	0.406	18.63	19.20	1.140	0.463	/
	State8		Front Side	10	18900	1890	50	High	0.04	0.172	18.64	19.20	1.138	0.196	/
	State8		Back Side	10	18900	1890	50	High	0.08	0.260	18.64	19.20	1.138	0.296	/
	State8		Left Edge	10	18900	1890	50	High	0.04	0.161	18.64	19.20	1.138	0.183	/
	State8		Top Edge	10	18900	1890	50	High	-0.10	0.396	18.64	19.20	1.138	0.451	/
Ant.4	State8	QPSK	Front Side	10	19100	1900	1	Mid	-0.14	0.154	20.36	21.00	1.159	0.178	/
	State8		Back Side	10	19100	1900	1	Mid	-0.10	0.198	20.36	21.00	1.159	0.229	/
	State8		Left Edge	10	19100	1900	1	Mid	0.11	0.051	20.36	21.00	1.159	0.059	/
	State8		Right Edge	10	19100	1900	1	Mid	0.02	0.066	20.36	21.00	1.159	0.076	/
	State8		Bottom Edge	10	19100	1900	1	Mid	0.12	0.295	20.36	21.00	1.159	0.342	/
	State8		Front Side	10	19100	1900	50	High	0.06	0.163	20.48	21.00	1.127	0.184	/
	State8		Back Side	10	19100	1900	50	High	-0.11	0.200	20.48	21.00	1.127	0.225	/
	State8		Left Edge	10	19100	1900	50	High	0.10	0.052	20.48	21.00	1.127	0.059	/
	State8		Right Edge	10	19100	1900	50	High	0.03	0.069	20.48	21.00	1.127	0.078	/
	State8		Bottom Edge	10	19100	1900	50	High	0.02	0.299	20.48	21.00	1.127	0.337	/

10.9 LTE Band 2 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	QPSK	Right Tilt	0	18700 +18898	1880 +1879.8	1+1	High +Low	0.03	0.718	17.80	18.80	1.259	0.904	/
Body-worn-CA															
Ant.3	State3	QPSK	Back Side	15	19100 +18902	1900 +1880.2	1+1	Low +High	-0.05	0.243	21.41	22.30	1.227	0.298	/
Hotspot-CA															
Ant.3	State8	QPSK	Top Edge	10	19100 +18902	1900 +1880.2	1+1	Low +High	0.01	0.613	19.77	20.80	1.268	0.777	/

10.10 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	-0.06	0.393	17.17	17.80	1.156	0.454	/
	State5		Left Tilt	0	20175	1732.5	1	High	0.03	0.443	17.17	17.80	1.156	0.512	/
	State5		Right Cheek	0	20175	1732.5	1	High	0.01	0.700	17.17	17.80	1.156	0.809	/
	State5		Right Tilt	0	20175	1732.5	1	High	-0.07	0.690	17.17	17.80	1.156	0.798	/
	State5		Left Cheek	0	20300	1745	50	Mid	-0.07	0.392	17.14	17.80	1.164	0.456	/
	State5		Left Tilt	0	20300	1745	50	Mid	0.13	0.447	17.14	17.80	1.164	0.520	/
	State5		Right Cheek	0	20300	1745	50	Mid	-0.09	0.691	17.14	17.80	1.164	0.804	/
	State5		Right Tilt	0	20300	1745	50	Mid	0.15	0.680	17.14	17.80	1.164	0.792	/
	State5		Right Cheek	0	20050	1720	1	High	0.02	0.675	17.05	17.80	1.189	0.803	/
	State5		Right Cheek	0	20300	1745	1	Mid	-0.02	0.674	17.08	17.80	1.180	0.795	/
	State5		Right Cheek	0	20050	1720	50	Mid	0.00	0.683	17.07	17.80	1.183	0.808	/
	State5		Right Cheek	0	20175	1732.5	50	High	0.03	0.659	17.13	17.80	1.167	0.769	/
	State5		Right Cheek	0	20300	1745	100	Low	0.05	0.662	17.12	17.80	1.169	0.774	/
Ant.3	State10	QPSK	Left Cheek	0	20175	1732.5	1	High	0.15	0.310	16.00	16.80	1.202	0.373	/
	State10		Left Tilt	0	20175	1732.5	1	High	0.12	0.353	16.00	16.80	1.202	0.424	/
	State10		Right Cheek	0	20175	1732.5	1	High	-0.08	0.554	16.00	16.80	1.202	0.666	/
	State10		Right Tilt	0	20175	1732.5	1	High	-0.06	0.542	16.00	16.80	1.202	0.651	/
	State10		Left Cheek	0	20300	1745	50	High	0.09	0.315	16.02	16.80	1.197	0.377	/
	State10		Left Tilt	0	20300	1745	50	High	0.13	0.353	16.02	16.80	1.197	0.423	/
	State10		Right Cheek	0	20300	1745	50	High	-0.02	0.550	16.02	16.80	1.197	0.658	/
	State10		Right Tilt	0	20300	1745	50	High	0.03	0.539	16.02	16.80	1.197	0.645	/
Ant.5	State5	QPSK	Left Cheek	0	20175	1732.5	1	High	-0.11	0.771	20.49	21.20	1.178	0.908	/
	State5		Left Tilt	0	20175	1732.5	1	High	-0.02	0.545	20.49	21.20	1.178	0.642	/
	State5		Right Cheek	0	20175	1732.5	1	High	-0.09	0.183	20.49	21.20	1.178	0.216	/
	State5		Right Tilt	0	20175	1732.5	1	High	-0.10	0.291	20.49	21.20	1.178	0.343	/
	State5		Left Cheek	0	20175	1732.5	50	High	-0.05	0.855	20.50	21.20	1.175	1.005	/
	State5		Left Tilt	0	20175	1732.5	50	High	0.12	0.588	20.50	21.20	1.175	0.691	/
	State5		Right Cheek	0	20175	1732.5	50	High	-0.15	0.233	20.50	21.20	1.175	0.274	/
	State5		Right Tilt	0	20175	1732.5	50	High	-0.02	0.348	20.50	21.20	1.175	0.409	/
	State5		Left Cheek	0	20050	1720	1	High	0.01	0.881	20.44	21.20	1.191	**1.049**	25#
	State5		Left Cheek	0	20300	1745	1	Low	-0.11	0.839	20.38	21.20	1.208	1.014	/
	State5		Left Cheek	0	20050	1720	50	Mid	-0.15	0.889	20.49	21.20	1.178	1.047	/
	State5		Left Cheek	0	20300	1745	50	Mid	-0.11	0.829	20.48	21.20	1.180	0.978	/
	State5		Left Cheek	0	20050	1720	100	Low	0.08	0.871	20.47	21.20	1.183	1.030	/
Ant.5	State10	QPSK	Left Cheek	0	20175	1732.5	1	High	0.05	0.649	19.56	20.20	1.159	0.752	/
	State10		Left Tilt	0	20175	1732.5	1	High	-0.01	0.421	19.56	20.20	1.159	0.488	/

	State10		Right Cheek	0	20175	1732.5	1	High	-0.11	0.143	19.56	20.20	1.159	0.166	/
	State10		Right Tilt	0	20175	1732.5	1	High	0.07	0.225	19.56	20.20	1.159	0.261	/
	State10		Left Cheek	0	20175	1732.5	50	High	0.11	0.655	19.55	20.20	1.161	0.760	/
	State10		Left Tilt	0	20175	1732.5	50	High	0.14	0.443	19.55	20.20	1.161	0.514	/
	State10		Right Cheek	0	20175	1732.5	50	High	-0.15	0.176	19.55	20.20	1.161	0.204	/
	State10		Right Tilt	0	20175	1732.5	50	High	0.06	0.264	19.55	20.20	1.161	0.307	/
Ant.4	State5&10	QPSK	Left Cheek	0	20175	1732.5	1	High	-0.15	0.165	24.61	25.00	1.094	0.181	/
	State5&10		Left Tilt	0	20175	1732.5	1	High	-0.13	0.052	24.61	25.00	1.094	0.057	/
	State5&10		Right Cheek	0	20175	1732.5	1	High	0.09	0.151	24.61	25.00	1.094	0.165	/
	State5&10		Right Tilt	0	20175	1732.5	1	High	-0.15	0.046	24.61	25.00	1.094	0.050	/
	State5&10		Left Cheek	0	20175	1732.5	50	High	0.01	0.137	23.59	24.00	1.099	0.151	/
	State5&10		Left Tilt	0	20175	1732.5	50	High	0.10	0.043	23.59	24.00	1.099	0.047	/
	State5&10		Right Cheek	0	20175	1732.5	50	High	0.01	0.124	23.59	24.00	1.099	0.136	/
	State5&10		Right Tilt	0	20175	1732.5	50	High	0.03	0.039	23.59	24.00	1.099	0.043	/
Body-worn															
Ant.3	State3	QPSK	Front Side	15	20300	1745	1	High	0.14	0.229	21.67	22.30	1.156	0.265	/
	State3		Back Side	15	20300	1745	1	High	-0.12	0.267	21.67	22.30	1.156	**0.309**	26#
	State3		Front Side	15	20175	1732.5	50	High	0.11	0.230	21.67	22.30	1.156	0.266	/
	State3		Back Side	15	20175	1732.5	50	High	0.09	0.265	21.67	22.30	1.156	0.306	/
Ant.3	State8	QPSK	Front Side	15	20175	1732.5	1	High	0.14	0.183	20.64	21.30	1.164	0.213	/
	State8		Back Side	15	20175	1732.5	1	High	-0.12	0.215	20.64	21.30	1.164	0.250	/
	State8		Front Side	15	20300	1745	50	High	0.09	0.180	20.61	21.30	1.172	0.211	/
	State8		Back Side	15	20300	1745	50	High	0.01	0.209	20.61	21.30	1.172	0.245	/
Ant.5	State3	QPSK	Front Side	15	20175	1732.5	1	High	-0.08	0.098	20.49	21.20	1.178	0.115	/
	State3		Back Side	15	20175	1732.5	1	High	-0.10	0.093	20.49	21.20	1.178	0.110	/
	State3		Front Side	15	20175	1732.5	50	High	0.08	0.100	20.50	21.20	1.175	0.118	/
	State3		Back Side	15	20175	1732.5	50	High	-0.02	0.097	20.50	21.20	1.175	0.114	/
Ant.5	State8	QPSK	Front Side	15	20300	1745	1	High	0.06	0.070	19.05	19.70	1.161	0.081	/
	State8		Back Side	15	20300	1745	1	High	0.08	0.064	19.05	19.70	1.161	0.074	/
	State8		Front Side	15	20175	1732.5	50	High	-0.05	0.069	19.09	19.70	1.151	0.079	/
	State8		Back Side	15	20175	1732.5	50	High	-0.03	0.065	19.09	19.70	1.151	0.075	/
Ant.4	State3	QPSK	Front Side	15	20175	1732.5	1	High	0.15	0.131	21.99	22.50	1.125	0.147	/
	State3		Back Side	15	20175	1732.5	1	High	0.11	0.168	21.99	22.50	1.125	0.189	/
	State3		Front Side	15	20175	1732.5	50	High	-0.04	0.132	21.99	22.50	1.125	0.149	/
	State3		Back Side	15	20175	1732.5	50	High	0.13	0.171	21.99	22.50	1.125	0.192	/
Ant.4	State8	QPSK	Front Side	15	20175	1732.5	1	High	0.13	0.103	20.90	21.50	1.148	0.118	/
	State8		Back Side	15	20175	1732.5	1	High	0.07	0.132	20.90	21.50	1.148	0.152	/
	State8		Front Side	15	20300	1745	50	Mid	-0.03	0.106	20.94	21.50	1.138	0.121	/
	State8		Back Side	15	20300	1745	50	Mid	0.15	0.131	20.94	21.50	1.138	0.149	/
Hotspot															
Ant.3	State8	QPSK	Front Side	10	20175	1732.5	1	High	0.05	0.380	20.64	21.30	1.164	0.442	/
	State8		Back Side	10	20175	1732.5	1	High	0.03	0.410	20.64	21.30	1.164	0.477	/
	State8		Right Edge	10	20175	1732.5	1	High	-0.15	0.113	20.64	21.30	1.164	0.132	/

	State8		Top Edge	10	20175	1732.5	1	High	-0.08	0.505	20.64	21.30	1.164	0.588	/
	State8		Front Side	10	20300	1745	50	High	-0.06	0.387	20.61	21.30	1.172	0.454	/
	State8		Back Side	10	20300	1745	50	High	0.06	0.417	20.61	21.30	1.172	0.489	/
	State8		Right Edge	10	20300	1745	50	High	0.02	0.132	20.61	21.30	1.172	0.155	/
	State8		Top Edge	10	20300	1745	50	High	-0.02	0.508	20.61	21.30	1.172	**0.595**	27#
Ant.5	State8	QPSK	Front Side	10	20300	1745	1	High	0.08	0.094	19.05	19.70	1.161	0.109	/
	State8		Back Side	10	20300	1745	1	High	0.06	0.089	19.05	19.70	1.161	0.103	/
	State8		Left Edge	10	20300	1745	1	High	0.04	0.096	19.05	19.70	1.161	0.111	/
	State8		Top Edge	10	20300	1745	1	High	-0.01	0.166	19.05	19.70	1.161	0.193	/
	State8		Front Side	10	20175	1732.5	50	High	-0.01	0.092	19.09	19.70	1.151	0.106	/
	State8		Back Side	10	20175	1732.5	50	High	-0.11	0.092	19.09	19.70	1.151	0.106	/
	State8		Left Edge	10	20175	1732.5	50	High	-0.02	0.096	19.09	19.70	1.151	0.110	/
	State8		Top Edge	10	20175	1732.5	50	High	0.01	0.163	19.09	19.70	1.151	0.188	/
Ant.4	State8	QPSK	Front Side	10	20175	1732.5	1	High	0.13	0.207	20.90	21.50	1.148	0.238	/
	State8		Back Side	10	20175	1732.5	1	High	0.02	0.240	20.90	21.50	1.148	0.276	/
	State8		Left Edge	10	20175	1732.5	1	High	0.13	0.056	20.90	21.50	1.148	0.064	/
	State8		Right Edge	10	20175	1732.5	1	High	-0.07	0.064	20.90	21.50	1.148	0.073	/
	State8		Bottom Edge	10	20175	1732.5	1	High	-0.12	0.385	20.90	21.50	1.148	0.442	/
	State8		Front Side	10	20300	1745	50	Mid	-0.08	0.204	20.94	21.50	1.138	0.232	/
	State8		Back Side	10	20300	1745	50	Mid	0.15	0.246	20.94	21.50	1.138	0.280	/
	State8		Left Edge	10	20300	1745	50	Mid	0.02	0.057	20.94	21.50	1.138	0.065	/
	State8		Right Edge	10	20300	1745	50	Mid	0.15	0.062	20.94	21.50	1.138	0.071	/
	State8		Bottom Edge	10	20300	1745	50	Mid	-0.01	0.423	20.94	21.50	1.138	0.481	/

10.11 LTE Band 5 (10MHz Bandwidth)

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1 g Meas SAR(W/kg)	Meas. Power(dBm)	Max. tune-power(dBm)	Scaling Factor	1 g Scaled SAR (W/kg)	Meas. No.
Head															
Ant.0	State5	QPSK	Left Cheek	0	20450	829	1	Mid	0.06	0.640	21.18	21.80	1.153	0.738	/
	State5		Left Tilt	0	20450	829	1	Mid	0.11	0.211	21.18	21.80	1.153	0.243	/
	State5		Right Cheek	0	20450	829	1	Mid	0.09	0.751	21.18	21.80	1.153	0.866	/
	State5		Right Tilt	0	20450	829	1	Mid	-0.13	0.174	21.18	21.80	1.153	0.201	/
	State5		Left Cheek	0	20450	829	25	Mid	-0.14	0.677	21.22	21.80	1.143	0.774	/
	State5		Left Tilt	0	20450	829	25	Mid	-0.06	0.221	21.22	21.80	1.143	0.253	/
	State5		Right Cheek	0	20450	829	25	Mid	0.07	0.771	21.22	21.80	1.143	0.881	/
	State5		Right Tilt	0	20450	829	25	Mid	-0.12	0.183	21.22	21.80	1.143	0.209	/
	State5		Right Cheek	0	20525	836.5	1	Mid	-0.12	0.694	21.17	21.80	1.156	0.802	/
	State5		Right Cheek	0	20600	844	1	Mid	0.04	0.770	21.12	21.80	1.169	0.900	/
	State5		Right Cheek	0	20525	836.5	25	Mid	-0.05	0.778	21.15	21.80	1.161	0.903	/
	State5		Right Cheek	0	20600	844	25	Mid	0.05	0.985	21.17	21.80	1.156	1.139	/
	State5		Right Cheek	0	20450	829	50	Low	0.03	0.900	21.17	21.80	1.156	1.040	/
Ant.0	State10	QPSK	Left Cheek	0	20450	829	1	Mid	0.14	0.545	20.14	20.80	1.164	0.634	/
	State10		Left Tilt	0	20450	829	1	Mid	0.13	0.168	20.14	20.80	1.164	0.196	/
	State10		Right Cheek	0	20450	829	1	Mid	-0.02	0.594	20.14	20.80	1.164	0.691	/
	State10		Right Tilt	0	20450	829	1	Mid	-0.03	0.138	20.14	20.80	1.164	0.161	/
	State10		Left Cheek	0	20450	829	25	Mid	0.04	0.558	20.19	20.80	1.151	0.642	/
	State10		Left Tilt	0	20450	829	25	Mid	0.03	0.175	20.19	20.80	1.151	0.201	/
	State10		Right Cheek	0	20450	829	25	Mid	-0.08	0.612	20.19	20.80	1.151	0.704	/
	State10		Right Tilt	0	20450	829	25	Mid	0.09	0.145	20.19	20.80	1.151	0.167	/
Ant.1	State5	QPSK	Left Cheek	0	20600	844	1	Mid	0.02	0.917	20.86	21.50	1.159	1.063	/
	State5		Left Tilt	0	20600	844	1	Mid	0.06	0.199	20.86	21.50	1.159	0.231	/
	State5		Right Cheek	0	20600	844	1	Mid	0.12	0.726	20.86	21.50	1.159	0.841	/
	State5		Right Tilt	0	20600	844	1	Mid	0.05	0.219	20.86	21.50	1.159	0.254	/
	State5		Left Cheek	0	20600	844	25	Mid	0.04	1.050	20.95	21.50	1.135	**1.192**	28#
	State5		Left Tilt	0	20600	844	25	Mid	0.12	0.208	20.95	21.50	1.135	0.236	/
	State5		Right Cheek	0	20600	844	25	Mid	-0.03	0.754	20.95	21.50	1.135	0.856	/
	State5		Right Tilt	0	20600	844	25	Mid	0.05	0.228	20.95	21.50	1.135	0.259	/
	State5		Left Cheek	0	20450	829	1	Mid	0.05	0.599	20.76	21.50	1.186	0.710	/
	State5		Left Cheek	0	20525	836.5	1	Mid	0.09	0.817	20.81	21.50	1.172	0.958	/
	State5		Left Cheek	0	20450	829	25	Mid	-0.01	0.798	20.82	21.50	1.169	0.933	/
	State5		Left Cheek	0	20525	836.5	25	Mid	-0.03	0.946	20.83	21.50	1.167	1.104	/
	State5		Left Cheek	0	20600	844	50	Low	0.09	0.984	20.84	21.50	1.169	1.150	/
	State5		Right Cheek	0	20450	829	1	Mid	-0.09	0.432	20.76	21.50	1.186	0.512	/
	State5		Right Cheek	0	20525	836.5	1	Mid	0.09	0.585	20.81	21.50	1.172	0.686	/

	State5		Right Cheek	0	20450	829	25	Mid	0.11	0.571	20.82	21.50	1.169	0.667	/
	State5		Right Cheek	0	20525	836.5	25	Mid	-0.01	0.675	20.83	21.50	1.167	0.788	/
	State5		Right Cheek	0	20600	844	50	Low	-0.06	0.702	20.84	21.50	1.169	0.821	/
Ant.1	State10	QPSK	Left Cheek	0	20600	844	1	Mid	-0.10	0.712	19.87	20.50	1.156	0.823	/
	State10		Left Tilt	0	20600	844	1	Mid	-0.01	0.153	19.87	20.50	1.156	0.177	/
	State10		Right Cheek	0	20600	844	1	Mid	0.00	0.565	19.87	20.50	1.156	0.653	/
	State10		Right Tilt	0	20600	844	1	Mid	-0.04	0.170	19.87	20.50	1.156	0.197	/
	State10		Left Cheek	0	20600	844	25	Mid	0.07	0.752	19.94	20.50	1.138	0.856	/
	State10		Left Tilt	0	20600	844	25	Mid	0.00	0.165	19.94	20.50	1.138	0.188	/
	State10		Right Cheek	0	20600	844	25	Mid	0.04	0.599	19.94	20.50	1.138	0.682	/
	State10		Right Tilt	0	20600	844	25	Mid	-0.02	0.181	19.94	20.50	1.138	0.206	/
	State10		Left Cheek	0	20450	829	1	Mid	0.09	0.603	19.77	20.50	1.183	0.713	/
	State10		Left Cheek	0	20525	836.5	1	Mid	-0.05	0.750	19.86	20.50	1.159	0.869	/
	State10		Left Cheek	0	20450	829	25	Mid	0.01	0.676	19.84	20.50	1.164	0.787	/
	State10		Left Cheek	0	20525	836.5	25	Mid	-0.12	0.784	19.86	20.50	1.159	0.909	/
	State10		Left Cheek	0	20600	844	50	Low	0.02	0.756	19.89	20.50	1.151	0.870	/
Body-worn															
Ant.0	State3	QPSK	Front Side	15	20450	829	1	Mid	-0.13	0.166	20.79	21.30	1.125	0.187	/
	State3		Back Side	15	20450	829	1	Mid	-0.07	0.185	20.79	21.30	1.125	0.208	/
	State3		Front Side	15	20450	829	25	Mid	-0.07	0.164	20.85	21.30	1.109	0.182	/
	State3		Back Side	15	20450	829	25	Mid	-0.04	0.189	20.85	21.30	1.109	0.210	/
Ant.0	State8	QPSK	Front Side	15	20450	829	1	Mid	0.07	0.146	20.14	20.80	1.164	0.170	/
	State8		Back Side	15	20450	829	1	Mid	0.07	0.164	20.14	20.80	1.164	0.191	/
	State8		Front Side	15	20450	829	25	Mid	-0.02	0.147	20.19	20.80	1.151	0.169	/
	State8		Back Side	15	20450	829	25	Mid	-0.07	0.166	20.19	20.80	1.151	0.191	/
Ant.1	State3	QPSK	Front Side	15	20600	844	1	Mid	0.11	0.247	20.86	21.50	1.159	0.286	/
	State3		Back Side	15	20600	844	1	Mid	-0.10	0.295	20.86	21.50	1.159	0.342	/
	State3		Front Side	15	20600	844	25	Mid	0.12	0.267	20.95	21.50	1.135	0.303	/
	State3		Back Side	15	20600	844	25	Mid	-0.04	0.332	20.95	21.50	1.135	**0.377**	29#
Ant.1	State8	QPSK	Front Side	15	20600	844	1	Mid	0.08	0.201	19.87	20.50	1.156	0.232	/
	State8		Back Side	15	20600	844	1	Mid	-0.02	0.246	19.87	20.50	1.156	0.284	/
	State8		Front Side	15	20600	844	25	Mid	0.14	0.229	19.94	20.50	1.138	0.261	/
	State8		Back Side	15	20600	844	25	Mid	-0.14	0.261	19.94	20.50	1.138	0.297	/
Hotspot															
Ant.0	State8	QPSK	Front Side	10	20450	829	1	Mid	0.15	0.294	20.14	20.80	1.164	0.342	/
	State8		Back Side	10	20450	829	1	Mid	0.14	0.313	20.14	20.80	1.164	0.364	/
	State8		Left Edge	10	20450	829	1	Mid	-0.03	0.542	20.14	20.80	1.164	0.631	/
	State8		Bottom Edge	10	20450	829	1	Mid	-0.08	0.025	20.14	20.80	1.164	0.029	/
	State8		Front Side	10	20450	829	25	Mid	-0.13	0.330	20.19	20.80	1.151	0.380	/
	State8		Back Side	10	20450	829	25	Mid	0.02	0.345	20.19	20.80	1.151	0.397	/
	State8		Left Edge	10	20450	829	25	Mid	-0.06	0.536	20.19	20.80	1.151	0.617	/
	State8		Bottom Edge	10	20450	829	25	Mid	0.10	0.028	20.19	20.80	1.151	0.032	/
Ant.1	State8	QPSK	Front Side	10	20600	844	1	Mid	0.02	0.139	19.87	20.50	1.156	0.161	/

	State8		Back Side	10	20600	844	1	Mid	0.04	0.172	19.87	20.50	1.156	0.199	/
	State8		Right Edge	10	20600	844	1	Mid	-0.08	0.256	19.87	20.50	1.156	0.296	/
	State8		Top Edge	10	20600	844	1	Mid	0.14	0.013	19.87	20.50	1.156	0.015	/
	State8		Front Side	10	20600	844	25	Mid	-0.13	0.184	19.94	20.50	1.138	0.209	/
	State8		Back Side	10	20600	844	25	Mid	-0.03	0.225	19.94	20.50	1.138	0.256	/
	State8		Right Edge	10	20600	844	25	Mid	0.16	0.560	19.94	20.50	1.138	**0.637**	30#
	State8		Top Edge	10	20600	844	25	Mid	-0.10	0.016	19.94	20.50	1.138	0.018	/

10.12 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															
	State5		Left Cheek	0	21350	2560	1	Mid	-0.08	0.609	17.31	18.30	1.256	0.765	/
	State5		Left Tilt	0	21350	2560	1	Mid	-0.04	0.763	17.31	18.30	1.256	0.958	/
	State5		Right Cheek	0	21350	2560	1	Mid	0.04	0.862	17.31	18.30	1.256	1.083	/
	State5		Right Tilt	0	21350	2560	1	Mid	-0.09	0.936	17.31	18.30	1.256	1.176	/
	State5		Left Cheek	0	21100	2535	50	High	0.12	0.626	17.52	18.30	1.197	0.749	/
	State5		Left Tilt	0	21100	2535	50	High	0.09	0.755	17.52	18.30	1.197	0.904	/
	State5		Right Cheek	0	21100	2535	50	High	0.09	0.896	17.52	18.30	1.197	1.073	/
	State5		Right Tilt	0	21100	2535	50	High	0.03	0.995	17.52	18.30	1.197	**1.191**	31#
	State5		Left Tilt	0	20850	2510	1	High	0.02	0.683	17.13	18.30	1.309	0.894	/
	State5		Left Tilt	0	21100	2535	1	High	0.05	0.701	17.29	18.30	1.262	0.885	/
	State5		Left Tilt	0	20850	2510	50	Mid	-0.03	0.693	17.15	18.30	1.303	0.903	/
Ant.3	State5	QPSK	Left Tilt	0	21350	2560	50	High	-0.02	0.721	17.37	18.30	1.239	0.893	/
	State5		Left Tilt	0	21100	2535	100	Low	0.02	0.720	17.29	18.30	1.262	0.909	/
	State5		Right Cheek	0	20850	2510	1	High	0.00	0.804	17.13	18.30	1.309	1.052	/
	State5		Right Cheek	0	21100	2535	1	High	-0.01	0.819	17.29	18.30	1.262	1.034	/
	State5		Right Cheek	0	20850	2510	50	Mid	-0.02	0.808	17.15	18.30	1.303	1.053	/
	State5		Right Cheek	0	21350	2560	50	High	0.04	0.839	17.37	18.30	1.239	1.040	/
	State5		Right Cheek	0	21100	2535	100	Low	-0.04	0.840	17.29	18.30	1.262	1.060	/
	State5		Right Tilt	0	20850	2510	1	High	0.14	0.907	17.13	18.30	1.309	1.187	/
	State5		Right Tilt	0	21100	2535	1	High	0.13	0.927	17.29	18.30	1.262	1.170	/
	State5		Right Tilt	0	20850	2510	50	Mid	0.12	0.910	17.15	18.30	1.303	1.186	/
	State5		Right Tilt	0	21350	2560	50	High	0.15	0.954	17.37	18.30	1.239	1.182	/
	State5		Right Tilt	0	21100	2535	100	Low	-0.06	0.941	17.29	18.30	1.262	1.188	/
	State10		Left Cheek	0	21350	2560	1	Mid	0.13	0.486	16.19	17.30	1.291	0.627	/
	State10		Left Tilt	0	21350	2560	1	Mid	-0.10	0.603	16.19	17.30	1.291	0.778	/
	State10		Right Cheek	0	21350	2560	1	Mid	-0.04	0.698	16.19	17.30	1.291	0.901	/
	State10		Right Tilt	0	21350	2560	1	Mid	0.01	0.771	16.19	17.30	1.291	0.995	/
	State10		Left Cheek	0	21100	2535	50	High	-0.14	0.496	16.33	17.30	1.250	0.620	/
	State10		Left Tilt	0	21100	2535	50	High	-0.11	0.600	16.33	17.30	1.250	0.750	/
Ant.3	State10	QPSK	Right Cheek	0	21100	2535	50	High	0.08	0.709	16.33	17.30	1.250	0.886	/
	State10		Right Tilt	0	21100	2535	50	High	0.15	0.792	16.33	17.30	1.250	0.990	/
	State10		Right Cheek	0	20850	2510	1	High	-0.01	0.650	16.05	17.30	1.334	0.867	/
	State10		Right Cheek	0	21350	2560	1	Mid	-0.01	0.643	16.19	17.30	1.291	0.830	/
	State10		Right Cheek	0	20850	2510	50	High	0.00	0.652	16.10	17.30	1.318	0.859	/
	State10		Right Cheek	0	21350	2560	50	High	-0.03	0.668	16.31	17.30	1.256	0.839	/
	State10		Right Cheek	0	21100	2535	100	Low	-0.03	0.671	16.23	17.30	1.279	0.858	/

	State10		Right Tilt	0	20850	2510	1	High	0.03	0.731	16.05	17.30	1.334	0.975	/
	State10		Right Tilt	0	21350	2560	1	Mid	-0.01	0.730	16.19	17.30	1.291	0.942	/
	State10		Right Tilt	0	20850	2510	50	High	-0.04	0.728	16.10	17.30	1.318	0.960	/
	State10		Right Tilt	0	21350	2560	50	High	-0.14	0.752	16.31	17.30	1.256	0.945	/
	State10		Right Tilt	0	21100	2535	100	Low	-0.07	0.761	16.23	17.30	1.279	0.973	/
Ant.5	State5	QPSK	Left Cheek	0	21350	2560	1	Mid	-0.09	0.598	17.92	19.00	1.282	0.767	/
	State5		Left Tilt	0	21350	2560	1	Mid	0.01	0.675	17.92	19.00	1.282	0.865	/
	State5		Right Cheek	0	21350	2560	1	Mid	-0.04	0.359	17.92	19.00	1.282	0.460	/
	State5		Right Tilt	0	21350	2560	1	Mid	0.05	0.445	17.92	19.00	1.282	0.570	/
	State5		Left Cheek	0	21100	2535	50	Mid	0.13	0.575	17.87	19.00	1.297	0.746	/
	State5		Left Tilt	0	21100	2535	50	Mid	0.03	0.626	17.87	19.00	1.297	0.812	/
	State5		Right Cheek	0	21100	2535	50	Mid	-0.11	0.343	17.87	19.00	1.297	0.445	/
	State5		Right Tilt	0	21100	2535	50	Mid	-0.08	0.434	17.87	19.00	1.297	0.563	/
	State5		Left Tilt	0	20850	2510	1	High	-0.14	0.562	17.73	19.00	1.340	0.753	/
	State5		Left Tilt	0	21100	2535	1	High	-0.09	0.580	17.82	19.00	1.312	0.761	/
	State5		Left Tilt	0	20850	2510	50	Mid	-0.04	0.614	17.72	19.00	1.343	0.825	/
	State5		Left Tilt	0	21350	2560	50	High	0.04	0.629	17.87	19.00	1.297	0.816	/
	State5		Left Tilt	0	21100	2535	100	Low	-0.09	0.610	17.84	19.00	1.306	0.797	/
Ant.5	State10	QPSK	Left Cheek	0	21350	2560	1	Mid	-0.13	0.475	17.04	18.00	1.247	0.592	/
	State10		Left Tilt	0	21350	2560	1	Mid	-0.06	0.539	17.04	18.00	1.247	0.672	/
	State10		Right Cheek	0	21350	2560	1	Mid	-0.06	0.285	17.04	18.00	1.247	0.355	/
	State10		Right Tilt	0	21350	2560	1	Mid	0.09	0.358	17.04	18.00	1.247	0.446	/
	State10		Left Cheek	0	21100	2535	50	High	0.05	0.462	17.07	18.00	1.239	0.572	/
	State10		Left Tilt	0	21100	2535	50	High	0.13	0.491	17.07	18.00	1.239	0.608	/
	State10		Right Cheek	0	21100	2535	50	High	0.14	0.271	17.07	18.00	1.239	0.336	/
	State10		Right Tilt	0	21100	2535	50	High	-0.07	0.350	17.07	18.00	1.239	0.434	/
Ant.4	State5&10	QPSK	Left Cheek	0	21350	2560	1	Low	-0.01	0.198	24.43	25.00	1.140	0.226	/
	State5&10		Left Tilt	0	21350	2560	1	Low	0.03	0.064	24.43	25.00	1.140	0.073	/
	State5&10		Right Cheek	0	21350	2560	1	Low	0.05	0.262	24.43	25.00	1.140	0.299	/
	State5&10		Right Tilt	0	21350	2560	1	Low	-0.08	0.121	24.43	25.00	1.140	0.138	/
	State5&10		Left Cheek	0	21100	2535	50	Mid	-0.03	0.163	23.45	24.00	1.135	0.185	/
	State5&10		Left Tilt	0	21100	2535	50	Mid	0.08	0.054	23.45	24.00	1.135	0.061	/
	State5&10		Right Cheek	0	21100	2535	50	Mid	0.14	0.188	23.45	24.00	1.135	0.213	/
	State5&10		Right Tilt	0	21100	2535	50	Mid	0.06	0.101	23.45	24.00	1.135	0.115	/
Body-worn															
Ant.3	State3	QPSK	Front Side	15	21350	2560	1	Mid	0.07	0.152	20.26	21.30	1.271	0.193	/
	State3		Back Side	15	21350	2560	1	Mid	0.03	0.265	20.26	21.30	1.271	0.337	/
	State3		Front Side	15	21350	2560	50	High	0.01	0.154	20.30	21.30	1.259	0.194	/
	State3		Back Side	15	21350	2560	50	High	-0.18	0.276	20.30	21.30	1.259	**0.347**	32#
Ant.3	State8	QPSK	Front Side	15	21350	2560	1	Mid	-0.04	0.118	18.78	19.80	1.265	0.149	/
	State8		Back Side	15	21350	2560	1	Mid	0.15	0.191	18.78	19.80	1.265	0.242	/
	State8		Front Side	15	21350	2560	50	High	-0.07	0.114	18.83	19.80	1.250	0.143	/
	State8		Back Side	15	21350	2560	50	High	0.04	0.194	18.83	19.80	1.250	0.243	/

Ant.5	State3	QPSK	Front Side	15	21350	2560	1	Mid	0.04	0.134	21.61	22.50	1.227	0.164	/
	State3		Back Side	15	21350	2560	1	Mid	0.05	0.168	21.61	22.50	1.227	0.206	/
	State3		Front Side	15	21350	2560	50	High	-0.08	0.114	20.68	21.50	1.208	0.138	/
	State3		Back Side	15	21350	2560	50	High	0.09	0.128	20.68	21.50	1.208	0.155	/
Ant.5	State8	QPSK	Front Side	15	21350	2560	1	Mid	-0.04	0.098	19.98	21.00	1.265	0.124	/
	State8		Back Side	15	21350	2560	1	Mid	-0.13	0.120	19.98	21.00	1.265	0.152	/
	State8		Front Side	15	21350	2560	50	High	0.09	0.101	20.05	21.00	1.245	0.126	/
	State8		Back Side	15	21350	2560	50	High	-0.01	0.115	20.05	21.00	1.245	0.143	/
Ant.4	State3	QPSK	Front Side	15	21350	2560	1	Mid	0.10	0.168	22.96	23.50	1.132	0.190	/
	State3		Back Side	15	21350	2560	1	Mid	0.01	0.230	22.96	23.50	1.132	0.260	/
	State3		Front Side	15	21100	2535	50	Mid	-0.12	0.165	22.96	23.50	1.132	0.187	/
	State3		Back Side	15	21100	2535	50	Mid	-0.04	0.228	22.96	23.50	1.132	0.258	/
Ant.4	State8	QPSK	Front Side	15	21350	2560	1	High	-0.04	0.108	20.75	21.50	1.189	0.128	/
	State8		Back Side	15	21350	2560	1	High	-0.10	0.146	20.75	21.50	1.189	0.174	/
	State8		Front Side	15	21350	2560	50	High	-0.12	0.105	20.80	21.50	1.175	0.123	/
	State8		Back Side	15	21350	2560	50	High	0.14	0.147	20.80	21.50	1.175	0.173	/
Hotspot															
Ant.3	State8	QPSK	Front Side	10	21350	2560	1	Mid	0.06	0.226	18.78	19.80	1.265	0.286	/
	State8		Back Side	10	21350	2560	1	Mid	0.09	0.307	18.78	19.80	1.265	0.388	/
	State8		Right Edge	10	21350	2560	1	Mid	-0.04	0.126	18.78	19.80	1.265	0.159	/
	State8		Top Edge	10	21350	2560	1	Mid	0.01	0.488	18.78	19.80	1.265	**0.617**	33#
	State8		Front Side	10	21350	2560	50	High	0.04	0.225	18.83	19.80	1.250	0.281	/
	State8		Back Side	10	21350	2560	50	High	0.00	0.312	18.83	19.80	1.250	0.390	/
	State8		Right Edge	10	21350	2560	50	High	-0.04	0.125	18.83	19.80	1.250	0.156	/
	State8		Top Edge	10	21350	2560	50	High	0.00	0.489	18.83	19.80	1.250	0.611	/
Ant.5	State8	QPSK	Front Side	10	21350	2560	1	Mid	-0.14	0.187	19.98	21.00	1.265	0.237	/
	State8		Back Side	10	21350	2560	1	Mid	-0.12	0.231	19.98	21.00	1.265	0.292	/
	State8		Left Edge	10	21350	2560	1	Mid	0.08	0.066	19.98	21.00	1.265	0.083	/
	State8		Top Edge	10	21350	2560	1	Mid	-0.04	0.451	19.98	21.00	1.265	0.571	/
	State8		Front Side	10	21350	2560	50	High	-0.09	0.176	20.05	21.00	1.245	0.219	/
	State8		Back Side	10	21350	2560	50	High	-0.13	0.242	20.05	21.00	1.245	0.301	/
	State8		Left Edge	10	21350	2560	50	High	0.12	0.064	20.05	21.00	1.245	0.080	/
	State8		Top Edge	10	21350	2560	50	High	-0.06	0.477	20.05	21.00	1.245	0.594	/
Ant.4	State8	QPSK	Front Side	10	21350	2560	1	High	-0.05	0.180	20.75	21.50	1.189	0.214	/
	State8		Back Side	10	21350	2560	1	High	0.04	0.279	20.75	21.50	1.189	0.332	/
	State8		Left Edge	10	21350	2560	1	High	0.06	0.045	20.75	21.50	1.189	0.054	/
	State8		Right Edge	10	21350	2560	1	High	0.15	0.087	20.75	21.50	1.189	0.103	/
	State8		Bottom Edge	10	21350	2560	1	High	0.07	0.356	20.75	21.50	1.189	0.423	/
	State8		Front Side	10	21350	2560	50	High	-0.06	0.180	20.80	21.50	1.175	0.212	/
	State8		Back Side	10	21350	2560	50	High	0.13	0.293	20.80	21.50	1.175	0.344	/
	State8		Left Edge	10	21350	2560	50	High	0.05	0.043	20.80	21.50	1.175	0.051	/
	State8		Right Edge	10	21350	2560	50	High	-0.13	0.087	20.80	21.50	1.175	0.102	/
	State8		Bottom Edge	10	21350	2560	50	High	0.03	0.364	20.80	21.50	1.175	0.428	/

10.13 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	QPSK	Right Tilt	0	21100 +21298	2535 +2554.8	1+1	High +Low	-0.12	0.856	17.11	18.30	1.315	1.126	/
Body-worn-CA															
Ant.3	State3	QPSK	Back Side	15	21350 +21152	2560 +2540.2	1+1	Low +High	0.04	0.245	19.92	21.30	1.374	0.337	/
Hotspot-CA															
Ant.3	State8	QPSK	Top Edge	10	21350 +21152	2560 +2540.2	1+1	Low +High	-0.09	0.456	18.55	19.80	1.334	0.608	/

10.14 LTE Band 8 (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.0	State5	QPSK	Left Cheek	0	21750	910	1	Mid	0.07	0.499	21.17	21.80	1.156	0.577	/
	State5		Left Tilt	0	21750	910	1	Mid	-0.11	0.174	21.17	21.80	1.156	0.201	/
	State5		Right Cheek	0	21750	910	1	Mid	0.11	0.743	21.17	21.80	1.156	0.859	/
	State5		Right Tilt	0	21750	910	1	Mid	-0.07	0.157	21.17	21.80	1.156	0.181	/
	State5		Left Cheek	0	21500	885	25	Mid	0.11	0.514	21.21	21.80	1.146	0.589	/
	State5		Left Tilt	0	21500	885	25	Mid	0.13	0.175	21.21	21.80	1.146	0.201	/
	State5		Right Cheek	0	21500	885	25	Mid	-0.08	0.761	21.21	21.80	1.146	0.872	/
	State5		Right Tilt	0	21500	885	25	Mid	0.05	0.159	21.21	21.80	1.146	0.182	/
	State5		Right Cheek	0	21500	885	1	Mid	-0.03	0.483	21.12	21.80	1.169	0.565	/
	State5		Right Cheek	0	21625	897.5	1	Mid	0.13	0.728	21.13	21.80	1.167	0.850	/
	State5		Right Cheek	0	21625	897.5	25	Mid	-0.03	0.638	21.17	21.80	1.156	0.738	/
	State5		Right Cheek	0	21750	910	25	High	0.09	0.925	21.16	21.80	1.159	1.072	/
	State5		Right Cheek	0	21500	885	50	Low	0.07	0.815	21.21	21.80	1.146	0.934	/
Ant.0	State10	QPSK	Left Cheek	0	21500	885	1	Mid	0.04	0.394	20.15	20.80	1.161	0.457	/
	State10		Left Tilt	0	21500	885	1	Mid	-0.09	0.138	20.15	20.80	1.161	0.160	/
	State10		Right Cheek	0	21500	885	1	Mid	-0.01	0.586	20.15	20.80	1.161	0.680	/
	State10		Right Tilt	0	21500	885	1	Mid	0.15	0.125	20.15	20.80	1.161	0.145	/
	State10		Left Cheek	0	21500	885	25	Mid	0.07	0.409	20.20	20.80	1.148	0.470	/
	State10		Left Tilt	0	21500	885	25	Mid	-0.05	0.138	20.20	20.80	1.148	0.158	/
	State10		Right Cheek	0	21500	885	25	Mid	0.02	0.604	20.20	20.80	1.148	0.693	/
	State10		Right Tilt	0	21500	885	25	Mid	-0.05	0.126	20.20	20.80	1.148	0.145	/
Ant.1	State5	QPSK	Left Cheek	0	21625	897.5	1	Low	-0.13	0.785	19.86	20.50	1.159	0.910	/
	State5		Left Tilt	0	21625	897.5	1	Low	-0.06	0.159	19.86	20.50	1.159	0.184	/
	State5		Right Cheek	0	21625	897.5	1	Low	-0.03	0.586	19.86	20.50	1.159	0.679	/
	State5		Right Tilt	0	21625	897.5	1	Low	0.01	0.171	19.86	20.50	1.159	0.198	/
	State5		Left Cheek	0	21500	885	25	High	0.08	0.811	19.92	20.50	1.143	0.927	/
	State5		Left Tilt	0	21500	885	25	High	-0.03	0.164	19.92	20.50	1.143	0.187	/
	State5		Right Cheek	0	21500	885	25	High	-0.04	0.604	19.92	20.50	1.143	0.690	/
	State5		Right Tilt	0	21500	885	25	High	0.14	0.173	19.92	20.50	1.143	0.198	/
	State5		Left Cheek	0	21500	885	1	Mid	0.02	0.524	19.86	20.50	1.159	0.607	/
	State5		Left Cheek	0	21750	910	1	Mid	0.09	0.754	19.86	20.50	1.159	0.874	/
	State5		Left Cheek	0	21625	897.5	25	Mid	-0.14	0.697	19.85	20.50	1.161	0.809	/
	State5		Left Cheek	0	21750	910	25	High	0.08	0.950	19.81	20.50	1.172	**1.113**	34#
	State5		Left Cheek	0	21500	885	50	Low	-0.13	0.874	19.89	20.50	1.151	1.006	/
Ant.1	State10	QPSK	Left Cheek	0	21625	897.5	1	Low	-0.07	0.619	18.93	19.50	1.140	0.706	/
	State10		Left Tilt	0	21625	897.5	1	Low	0.02	0.124	18.93	19.50	1.140	0.141	/

	State10		Right Cheek	0	21625	897.5	1	Low	-0.10	0.464	18.93	19.50	1.140	0.529	/
	State10		Right Tilt	0	21625	897.5	1	Low	-0.04	0.135	18.93	19.50	1.140	0.154	/
	State10		Left Cheek	0	21500	885	25	High	0.13	0.644	18.98	19.50	1.127	0.726	/
	State10		Left Tilt	0	21500	885	25	High	0.10	0.130	18.98	19.50	1.127	0.147	/
	State10		Right Cheek	0	21500	885	25	High	0.12	0.479	18.98	19.50	1.127	0.540	/
	State10		Right Tilt	0	21500	885	25	High	0.02	0.137	18.98	19.50	1.127	0.154	/
Body-worn															
Ant.0	State3	QPSK	Front Side	15	21750	910	1	Mid	0.09	0.198	21.17	21.80	1.156	0.229	/
	State3		Back Side	15	21750	910	1	Mid	0.15	0.216	21.17	21.80	1.156	0.250	/
	State3		Front Side	15	21500	885	25	Mid	-0.04	0.259	21.21	21.80	1.146	0.297	/
	State3		Back Side	15	21500	885	25	Mid	-0.07	0.278	21.21	21.80	1.146	0.319	/
Ant.0	State8	QPSK	Front Side	15	21500	885	1	Mid	-0.05	0.157	20.15	20.80	1.161	0.182	/
	State8		Back Side	15	21500	885	1	Mid	0.01	0.172	20.15	20.80	1.161	0.200	/
	State8		Front Side	15	21500	885	25	Mid	0.02	0.206	20.20	20.80	1.148	0.236	/
	State8		Back Side	15	21500	885	25	Mid	0.11	0.221	20.20	20.80	1.148	0.254	/
Ant.1	State3	QPSK	Front Side	15	21625	897.5	1	Low	0.07	0.178	20.37	21.00	1.156	0.206	/
	State3		Back Side	15	21625	897.5	1	Low	-0.11	0.236	20.37	21.00	1.156	0.273	/
	State3		Front Side	15	21500	885	25	Mid	0.01	0.236	20.42	21.00	1.143	0.270	/
	State3		Back Side	15	21500	885	25	Mid	-0.04	0.306	20.42	21.00	1.143	**0.350**	35#
Ant.1	State8	QPSK	Front Side	15	21500	885	1	Mid	-0.15	0.141	19.29	20.00	1.178	0.166	/
	State8		Back Side	15	21500	885	1	Mid	0.01	0.187	19.29	20.00	1.178	0.220	/
	State8		Front Side	15	21500	885	25	Mid	-0.12	0.187	19.33	20.00	1.167	0.218	/
	State8		Back Side	15	21500	885	25	Mid	0.11	0.243	19.33	20.00	1.167	0.284	/
Hotspot															
Ant.0	State8	QPSK	Front Side	10	21500	885	1	Mid	0.02	0.254	20.15	20.80	1.161	0.295	/
	State8		Back Side	10	21500	885	1	Mid	0.10	0.273	20.15	20.80	1.161	0.317	/
	State8		Left Edge	10	21500	885	1	Mid	0.08	0.506	20.15	20.80	1.161	0.587	/
	State8		Bottom Edge	10	21500	885	1	Mid	-0.12	0.032	20.15	20.80	1.161	0.037	/
	State8		Front Side	10	21500	885	25	Mid	-0.08	0.249	20.20	20.80	1.148	0.286	/
	State8		Back Side	10	21500	885	25	Mid	0.02	0.263	20.20	20.80	1.148	0.302	/
	State8		Left Edge	10	21500	885	25	Mid	0.04	0.510	20.20	20.80	1.148	0.585	/
	State8		Bottom Edge	10	21500	885	25	Mid	0.03	0.032	20.20	20.80	1.148	0.037	/
Ant.1	State8	QPSK	Front Side	10	21500	885	1	Mid	-0.12	0.207	19.29	20.00	1.178	0.244	/
	State8		Back Side	10	21500	885	1	Mid	-0.14	0.257	19.29	20.00	1.178	0.303	/
	State8		Right Edge	10	21500	885	1	Mid	0.07	0.403	19.29	20.00	1.178	0.475	/
	State8		Bottom Edge	10	21500	885	1	Mid	-0.01	0.026	19.29	20.00	1.178	0.031	/
	State8		Front Side	10	21500	885	25	Mid	-0.10	0.271	19.33	20.00	1.167	0.316	/
	State8		Back Side	10	21500	885	25	Mid	-0.08	0.317	19.33	20.00	1.167	0.370	/
	State8		Right Edge	10	21500	885	25	Mid	-0.07	0.528	19.33	20.00	1.167	**0.616**	36#
	State8		Bottom Edge	10	21500	885	25	Mid	0.02	0.033	19.33	20.00	1.167	0.039	/

10.15 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.0	State5	QPSK	Left Cheek	0	23095	707.5	1	High	0.02	0.927	23.10	23.80	1.175	1.089	/
	State5		Left Tilt	0	23095	707.5	1	High	-0.08	0.276	23.10	23.80	1.175	0.324	/
	State5		Right Cheek	0	23095	707.5	1	High	-0.03	0.993	23.10	23.80	1.175	1.167	/
	State5		Right Tilt	0	23095	707.5	1	High	0.03	0.251	23.10	23.80	1.175	0.295	/
	State5		Left Cheek	0	23095	707.5	25	High	-0.04	0.748	21.95	22.80	1.216	0.910	/
	State5		Left Tilt	0	23095	707.5	25	High	0.05	0.226	21.95	22.80	1.216	0.275	/
	State5		Right Cheek	0	23095	707.5	25	High	0.03	0.828	21.95	22.80	1.216	1.007	/
	State5		Right Tilt	0	23095	707.5	25	High	0.06	0.206	21.95	22.80	1.216	0.250	/
	State5		Left Cheek	0	23060	704	1	Mid	0.02	0.845	22.92	23.80	1.225	1.035	/
	State5		Left Cheek	0	23130	711	1	Mid	-0.10	0.908	23.08	23.80	1.180	1.071	/
	State5		Left Cheek	0	23060	704	25	High	0.04	0.715	21.95	22.80	1.216	0.869	/
	State5		Left Cheek	0	23130	711	25	Mid	0.09	0.806	21.91	22.80	1.227	0.989	/
	State5		Left Cheek	0	23130	711	50	Low	-0.11	0.805	21.90	22.80	1.230	0.990	/
	State5		Right Cheek	0	23060	704	1	Mid	0.02	0.915	22.92	23.80	1.225	1.121	/
	State5		Right Cheek	0	23130	711	1	Mid	-0.08	1.010	23.08	23.80	1.180	**1.192**	37#
	State5		Right Cheek	0	23060	704	25	High	-0.10	0.762	21.95	22.80	1.216	0.927	/
	State5		Right Cheek	0	23130	711	25	Mid	0.08	0.844	21.91	22.80	1.227	1.036	/
	State5		Right Cheek	0	23130	711	50	Low	-0.01	0.833	21.90	22.80	1.230	1.025	/
Ant.0	State10	QPSK	Left Cheek	0	23095	707.5	1	Mid	0.01	0.735	21.91	22.80	1.227	0.902	/
	State10		Left Tilt	0	23095	707.5	1	Mid	-0.08	0.216	21.91	22.80	1.227	0.265	/
	State10		Right Cheek	0	23095	707.5	1	Mid	0.10	0.787	21.91	22.80	1.227	0.966	/
	State10		Right Tilt	0	23095	707.5	1	Mid	0.03	0.201	21.91	22.80	1.227	0.247	/
	State10		Left Cheek	0	23095	707.5	25	High	0.02	0.593	21.94	22.80	1.219	0.723	/
	State10		Left Tilt	0	23095	707.5	25	High	0.03	0.182	21.94	22.80	1.219	0.222	/
	State10		Right Cheek	0	23095	707.5	25	High	0.02	0.656	21.94	22.80	1.219	0.800	/
	State10		Right Tilt	0	23095	707.5	25	High	-0.04	0.162	21.94	22.80	1.219	0.197	/
	State10		Left Cheek	0	23060	704	1	Mid	-0.11	0.672	21.85	22.80	1.245	0.837	/
	State10		Left Cheek	0	23130	711	1	Mid	-0.09	0.718	21.91	22.80	1.227	0.881	/
	State10		Left Cheek	0	23060	704	25	Mid	0.04	0.643	21.90	22.80	1.230	0.791	/
	State10		Left Cheek	0	23130	711	25	Mid	-0.03	0.725	21.91	22.80	1.227	0.890	/
	State10		Left Cheek	0	23060	704	50	Low	-0.02	0.721	21.92	22.80	1.225	0.883	/
	State10		Right Cheek	0	23060	704	1	Mid	0.04	0.718	21.85	22.80	1.245	0.894	/
	State10		Right Cheek	0	23130	711	1	Mid	0.11	0.795	21.91	22.80	1.227	0.975	/
	State10		Right Cheek	0	23060	704	25	Mid	-0.08	0.733	21.90	22.80	1.230	0.902	/
	State10		Right Cheek	0	23130	711	25	Mid	0.09	0.776	21.91	22.80	1.227	0.952	/
	State10		Right Cheek	0	23060	704	50	Low	0.06	0.763	21.92	22.80	1.225	0.935	/

Ant.1	State5	QPSK	Left Cheek	0	23060	704	1	Mid	-0.13	0.847	24.41	25.00	1.146	0.971	/
	State5		Left Tilt	0	23060	704	1	Mid	0.13	0.196	24.41	25.00	1.146	0.225	/
	State5		Right Cheek	0	23060	704	1	Mid	0.08	0.728	24.41	25.00	1.146	0.834	/
	State5		Right Tilt	0	23060	704	1	Mid	-0.07	0.206	24.41	25.00	1.146	0.236	/
	State5		Left Cheek	0	23095	707.5	25	High	0.02	0.596	23.44	24.00	1.138	0.678	/
	State5		Left Tilt	0	23095	707.5	25	High	0.13	0.162	23.44	24.00	1.138	0.184	/
	State5		Right Cheek	0	23095	707.5	25	High	0.15	0.608	23.44	24.00	1.138	0.692	/
	State5		Right Tilt	0	23095	707.5	25	High	0.11	0.170	23.44	24.00	1.138	0.193	/
	State5		Left Cheek	0	23095	707.5	1	Mid	0.03	0.783	24.40	25.00	1.148	0.899	/
	State5		Left Cheek	0	23130	711	1	Mid	0.14	0.897	24.40	25.00	1.148	1.030	/
	State5		Left Cheek	0	23060	704	50	Low	0.08	0.723	23.43	24.00	1.140	0.824	/
	State5		Right Cheek	0	23095	707.5	1	Mid	0.03	0.668	24.40	25.00	1.148	0.767	/
	State5		Right Cheek	0	23130	711	1	Mid	-0.06	0.760	24.40	25.00	1.148	0.872	/
	State5		Right Cheek	0	23060	704	50	Low	0.10	0.615	23.43	24.00	1.140	0.701	/
Ant.1	State10	QPSK	Left Cheek	0	23060	704	1	Mid	-0.08	0.681	23.45	24.00	1.135	0.773	/
	State10		Left Tilt	0	23060	704	1	Mid	0.11	0.154	23.45	24.00	1.135	0.175	/
	State10		Right Cheek	0	23060	704	1	Mid	-0.13	0.580	23.45	24.00	1.135	0.658	/
	State10		Right Tilt	0	23060	704	1	Mid	-0.10	0.162	23.45	24.00	1.135	0.184	/
	State10		Left Cheek	0	23095	707.5	25	High	-0.11	0.587	23.50	24.00	1.122	0.659	/
	State10		Left Tilt	0	23095	707.5	25	High	0.12	0.177	23.50	24.00	1.122	0.199	/
	State10		Right Cheek	0	23095	707.5	25	High	0.06	0.649	23.50	24.00	1.122	0.728	/
	State10		Right Tilt	0	23095	707.5	25	High	-0.13	0.164	23.50	24.00	1.122	0.184	/
Body-worn															
Ant.0	State3	QPSK	Front Side	15	23095	707.5	1	Mid	0.09	0.256	21.91	22.80	1.227	0.314	/
	State3		Back Side	15	23095	707.5	1	Mid	0.10	0.286	21.91	22.80	1.227	0.351	/
	State3		Front Side	15	23095	707.5	25	High	0.15	0.276	21.94	22.80	1.219	0.336	/
	State3		Back Side	15	23095	707.5	25	High	-0.05	0.307	21.94	22.80	1.219	**0.374**	38#
Ant.0	State8	QPSK	Front Side	15	23095	707.5	1	High	0.10	0.204	20.81	21.80	1.256	0.256	/
	State8		Back Side	15	23095	707.5	1	High	0.05	0.227	20.81	21.80	1.256	0.285	/
	State8		Front Side	15	23130	711	25	Mid	-0.09	0.219	20.84	21.80	1.247	0.273	/
	State8		Back Side	15	23130	711	25	Mid	-0.09	0.244	20.84	21.80	1.247	0.304	/
Ant.1	State3	QPSK	Front Side	15	23095	707.5	1	Mid	-0.14	0.174	22.97	23.50	1.130	0.197	/
	State3		Back Side	15	23095	707.5	1	Mid	0.13	0.218	22.97	23.50	1.130	0.246	/
	State3		Front Side	15	23060	704	25	Mid	-0.08	0.184	23.05	23.50	1.109	0.204	/
	State3		Back Side	15	23060	704	25	Mid	-0.06	0.234	23.05	23.50	1.109	0.260	/
Ant.1	State8	QPSK	Front Side	15	23130	711	1	Mid	0.06	0.138	21.89	22.50	1.151	0.159	/
	State8		Back Side	15	23130	711	1	Mid	-0.06	0.173	21.89	22.50	1.151	0.199	/
	State8		Front Side	15	23095	707.5	25	High	-0.02	0.147	21.93	22.50	1.140	0.168	/
	State8		Back Side	15	23095	707.5	25	High	-0.03	0.186	21.93	22.50	1.140	0.212	/
Hotspot															
Ant.0	State8	QPSK	Front Side	10	23095	707.5	1	High	-0.12	0.246	20.81	21.80	1.256	0.309	/
	State8		Back Side	10	23095	707.5	1	High	-0.12	0.266	20.81	21.80	1.256	0.334	/
	State8		Left Edge	10	23095	707.5	1	High	0.08	0.537	20.81	21.80	1.256	0.674	/

	State8		Bottom Edge	10	23095	707.5	1	High	0.14	0.010	20.81	21.80	1.256	0.013	/
	State8		Front Side	10	23130	711	25	Mid	0.14	0.255	20.84	21.80	1.247	0.318	/
	State8		Back Side	10	23130	711	25	Mid	0.09	0.276	20.84	21.80	1.247	0.344	/
	State8		Left Edge	10	23130	711	25	Mid	0.01	0.542	20.84	21.80	1.247	**0.676**	39#
	State8		Bottom Edge	10	23130	711	25	Mid	0.15	0.008	20.84	21.80	1.247	0.010	/
Ant.1	State8	QPSK	Front Side	10	23130	711	1	Low	-0.15	0.188	21.89	22.50	1.151	0.216	/
	State8		Back Side	10	23130	711	1	Low	-0.04	0.236	21.89	22.50	1.151	0.272	/
	State8		Right Edge	10	23130	711	1	Low	0.12	0.490	21.89	22.50	1.151	0.564	/
	State8		Bottom Edge	10	23130	711	1	Low	0.01	0.010	21.89	22.50	1.151	0.012	/
	State8		Front Side	10	23095	707.5	25	High	0.05	0.198	21.93	22.50	1.140	0.226	/
	State8		Back Side	10	23095	707.5	25	High	0.11	0.245	21.93	22.50	1.140	0.279	/
	State8		Right Edge	10	23095	707.5	25	High	0.12	0.480	21.93	22.50	1.140	0.547	/
	State8		Bottom Edge	10	23095	707.5	25	High	-0.08	0.010	21.93	22.50	1.140	0.011	/

10.16 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.0	State5&10	QPSK	Left Cheek	0	23230	782	1	Mid	-0.01	0.754	23.16	23.80	1.159	0.874	/
	State5&10		Left Tilt	0	23230	782	1	Mid	-0.06	0.238	23.16	23.80	1.159	0.276	/
	State5&10		Right Cheek	0	23230	782	1	Mid	-0.02	0.921	23.16	23.80	1.159	**1.067**	40#
	State5&10		Right Tilt	0	23230	782	1	Mid	0.06	0.235	23.16	23.80	1.159	0.272	/
	State5&10		Left Cheek	0	23230	782	25	High	0.07	0.608	22.15	22.80	1.161	0.706	/
	State5&10		Left Tilt	0	23230	782	25	High	-0.07	0.193	22.15	22.80	1.161	0.224	/
	State5&10		Right Cheek	0	23230	782	25	High	0.02	0.740	22.15	22.80	1.161	0.859	/
	State5&10		Right Tilt	0	23230	782	25	High	-0.13	0.186	22.15	22.80	1.161	0.216	/
	State5&10		Left Cheek	0	23230	782	50	Low	0.05	0.614	22.01	22.80	1.199	0.736	/
	State5&10		Right Cheek	0	23230	782	50	Low	0.01	0.719	22.01	22.80	1.199	0.862	/
Ant.1	State10	QPSK	Left Cheek	0	23230	782	1	Mid	0.10	0.786	22.28	23.00	1.180	0.927	/
	State10		Left Tilt	0	23230	782	1	Mid	0.09	0.226	22.28	23.00	1.180	0.267	/
	State10		Right Cheek	0	23230	782	1	Mid	-0.12	0.866	22.28	23.00	1.180	1.022	/
	State10		Right Tilt	0	23230	782	1	Mid	-0.13	0.249	22.28	23.00	1.180	0.294	/
	State10		Left Cheek	0	23230	782	25	High	0.08	0.787	22.25	23.00	1.189	0.936	/
	State10		Left Tilt	0	23230	782	25	High	-0.14	0.230	22.25	23.00	1.189	0.273	/
	State10		Right Cheek	0	23230	782	25	High	0.15	0.854	22.25	23.00	1.189	1.015	/
	State10		Right Tilt	0	23230	782	25	High	-0.04	0.250	22.25	23.00	1.189	0.297	/
	State10		Left Cheek	0	23230	782	50	Low	0.03	0.772	22.19	23.00	1.205	0.930	/
	State10		Right Cheek	0	23230	782	50	Low	-0.02	0.841	22.19	23.00	1.205	1.013	/
Body-worn															
Ant.0	State3	QPSK	Front Side	15	23230	782	1	Mid	0.04	0.233	22.15	22.80	1.161	0.271	/
	State3		Back Side	15	23230	782	1	Mid	-0.11	0.263	22.15	22.80	1.161	0.305	/
	State3		Front Side	15	23230	782	25	High	-0.10	0.237	22.16	22.80	1.159	0.275	/
	State3		Back Side	15	23230	782	25	High	0.04	0.268	22.16	22.80	1.159	0.311	/
Ant.0	State8	QPSK	Front Side	15	23230	782	1	Mid	0.03	0.185	21.06	21.80	1.186	0.219	/
	State8		Back Side	15	23230	782	1	Mid	0.08	0.209	21.06	21.80	1.186	0.248	/
	State8		Front Side	15	23230	782	25	High	-0.06	0.188	21.02	21.80	1.197	0.225	/
	State8		Back Side	15	23230	782	25	High	0.09	0.213	21.02	21.80	1.197	0.255	/
Ant.1	State3	QPSK	Front Side	15	23230	782	1	Mid	0.05	0.261	22.28	23.00	1.180	0.308	/
	State3		Back Side	15	23230	782	1	Mid	-0.09	0.315	22.28	23.00	1.180	0.372	/
	State3		Front Side	15	23230	782	25	High	0.12	0.264	22.25	23.00	1.189	0.314	/
	State3		Back Side	15	23230	782	25	High	-0.12	0.337	22.25	23.00	1.189	**0.401**	41#
Ant.1	State8	QPSK	Front Side	15	23230	782	1	High	0.10	0.207	21.16	22.00	1.213	0.251	/
	State8		Back Side	15	23230	782	1	High	-0.15	0.250	21.16	22.00	1.213	0.303	/
	State8		Front Side	15	23230	782	25	High	0.07	0.210	21.16	22.00	1.213	0.255	/

	State8		Back Side	15	23230	782	25	High	0.08	0.268	21.16	22.00	1.213	0.325	/
Hotspot															
Ant.0	State8	QPSK	Front Side	10	23230	782	1	Mid	-0.12	0.247	21.06	21.80	1.186	0.293	/
	State8		Back Side	10	23230	782	1	Mid	0.01	0.283	21.06	21.80	1.186	0.336	/
	State8		Left Edge	10	23230	782	1	Mid	-0.12	0.601	21.06	21.80	1.186	0.713	/
	State8		Bottom Edge	10	23230	782	1	Mid	0.06	0.016	21.06	21.80	1.186	0.019	/
	State8		Front Side	10	23230	782	25	High	-0.13	0.253	21.02	21.80	1.197	0.303	/
	State8		Back Side	10	23230	782	25	High	-0.15	0.282	21.02	21.80	1.197	0.338	/
	State8		Left Edge	10	23230	782	25	High	0.13	0.593	21.02	21.80	1.197	0.710	/
	State8		Bottom Edge	10	23230	782	25	High	0.14	0.000	21.02	21.80	1.197	0.000	/
Ant.1	State8	QPSK	Front Side	10	23230	782	1	High	-0.01	0.290	21.16	22.00	1.213	0.352	/
	State8		Back Side	10	23230	782	1	High	0.12	0.355	21.16	22.00	1.213	0.431	/
	State8		Right Edge	10	23230	782	1	High	0.05	0.651	21.16	22.00	1.213	0.790	/
	State8		Bottom Edge	10	23230	782	1	High	0.01	0.013	21.16	22.00	1.213	0.016	/
	State8		Front Side	10	23230	782	25	High	-0.07	0.295	21.16	22.00	1.213	0.358	/
	State8		Back Side	10	23230	782	25	High	-0.07	0.362	21.16	22.00	1.213	0.439	/
	State8		Right Edge	10	23230	782	25	High	0.10	0.679	21.16	22.00	1.213	**0.824**	42#
	State8		Bottom Edge	10	23230	782	25	High	-0.14	0.009	21.16	22.00	1.213	0.011	/
	State8		Right Edge	10	23230	782	50	Low	0.03	0.642	21.09	22.00	1.233	0.792	/

10.17 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.0	State5	QPSK	Left Cheek	0	23790	710	1	Mid	0.11	0.935	22.92	23.80	1.225	1.145	/
	State5		Left Tilt	0	23790	710	1	Mid	-0.09	0.295	22.92	23.80	1.225	0.361	/
	State5		Right Cheek	0	23790	710	1	Mid	0.01	0.907	22.92	23.80	1.225	1.111	/
	State5		Right Tilt	0	23790	710	1	Mid	0.05	0.264	22.92	23.80	1.225	0.323	/
	State5		Left Cheek	0	23800	711	25	High	-0.01	0.765	21.92	22.80	1.225	0.937	/
	State5		Left Tilt	0	23800	711	25	High	-0.02	0.241	21.92	22.80	1.225	0.295	/
	State5		Right Cheek	0	23800	711	25	High	-0.04	0.714	21.92	22.80	1.225	0.875	/
	State5		Right Tilt	0	23800	711	25	High	0.10	0.223	21.92	22.80	1.225	0.273	/
	State5		Left Cheek	0	23780	709	1	Mid	0.08	0.916	22.83	23.80	1.250	1.145	/
	State5		Left Cheek	0	23800	711	1	Mid	0.06	0.949	22.89	23.80	1.233	**1.170**	43#
	State5		Left Cheek	0	23780	709	25	High	-0.07	0.749	21.91	22.80	1.227	0.919	/
	State5		Left Cheek	0	23790	710	25	High	0.08	0.768	21.91	22.80	1.227	0.942	/
	State5		Left Cheek	0	23780	709	50	Low	-0.14	0.775	21.90	22.80	1.230	0.953	/
	State5		Right Cheek	0	23780	709	1	Mid	0.04	0.885	22.83	23.80	1.250	1.106	/
	State5		Right Cheek	0	23800	711	1	Mid	-0.09	0.916	22.89	23.80	1.233	1.129	/
	State5		Right Cheek	0	23780	709	25	High	0.15	0.725	21.91	22.80	1.227	0.890	/
	State5		Right Cheek	0	23790	710	25	High	0.03	0.738	21.91	22.80	1.227	0.906	/
	State5		Right Cheek	0	23780	709	50	Low	-0.02	0.735	21.90	22.80	1.230	0.904	/
Ant.0	State10	QPSK	Left Cheek	0	23790	710	1	Mid	-0.08	0.743	21.93	22.80	1.222	0.908	/
	State10		Left Tilt	0	23790	710	1	Mid	0.06	0.235	21.93	22.80	1.222	0.287	/
	State10		Right Cheek	0	23790	710	1	Mid	0.11	0.724	21.93	22.80	1.222	0.885	/
	State10		Right Tilt	0	23790	710	1	Mid	0.02	0.210	21.93	22.80	1.222	0.257	/
	State10		Left Cheek	0	23780	709	25	Mid	0.06	0.758	21.90	22.80	1.230	0.932	/
	State10		Left Tilt	0	23780	709	25	Mid	0.07	0.236	21.90	22.80	1.230	0.290	/
	State10		Right Cheek	0	23780	709	25	Mid	-0.12	0.705	21.90	22.80	1.230	0.867	/
	State10		Right Tilt	0	23780	709	25	Mid	0.12	0.224	21.90	22.80	1.230	0.276	/
	State10		Left Cheek	0	23780	709	1	Mid	0.06	0.736	21.82	22.80	1.253	0.922	/
	State10		Left Cheek	0	23800	711	1	Mid	0.00	0.751	21.88	22.80	1.236	0.928	/
	State10		Left Cheek	0	23790	710	25	High	-0.07	0.743	21.86	22.80	1.242	0.923	/
	State10		Left Cheek	0	23800	711	25	High	0.09	0.756	21.89	22.80	1.233	0.932	/
	State10		Left Cheek	0	23780	709	50	Low	-0.09	0.762	21.89	22.80	1.233	0.940	/
	State10		Right Cheek	0	23780	709	1	Mid	-0.11	0.711	21.82	22.80	1.253	0.891	/
	State10		Right Cheek	0	23800	711	1	Mid	0.12	0.728	21.88	22.80	1.236	0.900	/
	State10		Right Cheek	0	23790	710	25	High	-0.12	0.721	21.86	22.80	1.242	0.895	/
	State10		Right Cheek	0	23800	711	25	High	-0.05	0.730	21.89	22.80	1.233	0.900	/
	State10		Right Cheek	0	23780	709	50	Low	-0.07	0.729	21.89	22.80	1.233	0.899	/

Ant.1	State5	QPSK	Left Cheek	0	23800	711	1	Mid	-0.14	0.868	24.48	25.00	1.127	0.978	/
	State5		Left Tilt	0	23800	711	1	Mid	-0.14	0.218	24.48	25.00	1.127	0.246	/
	State5		Right Cheek	0	23800	711	1	Mid	0.02	0.872	24.48	25.00	1.127	0.983	/
	State5		Right Tilt	0	23800	711	1	Mid	-0.01	0.220	24.48	25.00	1.127	0.248	/
	State5		Left Cheek	0	23800	711	25	High	0.07	0.713	23.44	24.00	1.138	0.811	/
	State5		Left Tilt	0	23800	711	25	High	-0.09	0.182	23.44	24.00	1.138	0.207	/
	State5		Right Cheek	0	23800	711	25	High	-0.09	0.727	23.44	24.00	1.138	0.827	/
	State5		Right Tilt	0	23800	711	25	High	-0.14	0.182	23.44	24.00	1.138	0.207	/
	State5		Left Cheek	0	23780	709	1	High	0.03	0.818	24.40	25.00	1.148	0.939	/
	State5		Left Cheek	0	23790	710	1	High	-0.12	0.860	24.44	25.00	1.138	0.979	/
	State5		Left Cheek	0	23780	709	25	High	0.05	0.721	23.43	24.00	1.140	0.822	/
	State5		Left Cheek	0	23790	710	25	High	-0.08	0.718	23.41	24.00	1.146	0.823	/
	State5		Left Cheek	0	23780	709	50	Low	0.11	0.735	23.43	24.00	1.140	0.838	/
	State5		Right Cheek	0	23780	709	1	High	-0.15	0.836	24.40	25.00	1.148	0.960	/
	State5		Right Cheek	0	23790	710	1	High	-0.05	0.885	24.44	25.00	1.138	**1.007**	/
	State5		Right Cheek	0	23780	709	25	High	-0.02	0.700	23.43	24.00	1.140	0.798	/
	State5		Right Cheek	0	23790	710	25	High	-0.04	0.727	23.41	24.00	1.146	0.833	/
	State5		Right Cheek	0	23780	709	50	Low	0.04	0.757	23.43	24.00	1.140	0.863	/
Ant.1	State10	QPSK	Left Cheek	0	23790	710	1	Mid	0.15	0.689	23.49	24.00	1.125	0.775	/
	State10		Left Tilt	0	23790	710	1	Mid	-0.09	0.173	23.49	24.00	1.125	0.195	/
	State10		Right Cheek	0	23790	710	1	Mid	-0.12	0.713	23.49	24.00	1.125	0.802	/
	State10		Right Tilt	0	23790	710	1	Mid	-0.10	0.175	23.49	24.00	1.125	0.197	/
	State10		Left Cheek	0	23780	709	25	Mid	-0.13	0.713	23.51	24.00	1.119	0.798	/
	State10		Left Tilt	0	23780	709	25	Mid	0.15	0.182	23.51	24.00	1.119	0.204	/
	State10		Right Cheek	0	23780	709	25	Mid	-0.13	0.727	23.51	24.00	1.119	0.814	/
	State10		Right Tilt	0	23780	709	25	Mid	0.01	0.182	23.51	24.00	1.119	0.204	/
	State10		Right Cheek	0	23780	709	1	Mid	0.02	0.664	23.42	24.00	1.143	0.759	/
	State10		Right Cheek	0	23800	711	1	Mid	0.13	0.703	23.48	24.00	1.127	0.792	/
	State10		Right Cheek	0	23790	710	25	High	0.14	0.700	23.46	24.00	1.132	0.792	/
	State10		Right Cheek	0	23800	711	25	High	-0.02	0.717	23.48	24.00	1.127	0.808	/
	State10		Right Cheek	0	23780	709	50	Low	0.11	0.717	23.47	24.00	1.130	0.810	/
Body-worn															
Ant.0	State3	QPSK	Front Side	15	23790	710	1	Mid	-0.09	0.241	21.93	22.80	1.222	0.295	/
	State3		Back Side	15	23790	710	1	Mid	0.08	0.279	21.93	22.80	1.222	0.341	/
	State3		Front Side	15	23780	709	25	Mid	0.05	0.257	21.90	22.80	1.230	0.316	/
	State3		Back Side	15	23780	709	25	Mid	-0.04	0.291	21.90	22.80	1.230	**0.358**	44#
Ant.0	State8	QPSK	Front Side	15	23790	710	1	Mid	-0.06	0.192	20.84	21.80	1.247	0.239	/
	State8		Back Side	15	23790	710	1	Mid	0.01	0.222	20.84	21.80	1.247	0.277	/
	State8		Front Side	15	23800	711	25	High	0.06	0.204	20.84	21.80	1.247	0.254	/
	State8		Back Side	15	23800	711	25	High	-0.08	0.231	20.84	21.80	1.247	0.288	/
Ant.1	State3	QPSK	Front Side	15	23800	711	1	Mid	-0.13	0.200	24.48	25.00	1.127	0.225	/
	State3		Back Side	15	23800	711	1	Mid	0.09	0.242	24.48	25.00	1.127	0.273	/
	State3		Front Side	15	23800	711	25	High	0.01	0.211	23.44	24.00	1.138	0.240	/

	State3		Back Side	15	23800	711	25	High	-0.17	0.257	23.44	24.00	1.138	0.292	/
Ant.1	State8	QPSK	Front Side	15	23800	711	1	Mid	0.12	0.159	22.34	23.00	1.164	0.185	/
	State8		Back Side	15	23800	711	1	Mid	0.02	0.192	22.34	23.00	1.164	0.223	/
	State8		Front Side	15	23780	709	25	High	0.04	0.167	22.34	23.00	1.164	0.194	/
	State8		Back Side	15	23780	709	25	High	0.03	0.204	22.34	23.00	1.164	0.237	/
Hotspot															
Ant.0	State8	QPSK	Front Side	10	23790	710	1	Mid	-0.10	0.242	20.84	21.80	1.247	0.302	/
	State8		Back Side	10	23790	710	1	Mid	-0.04	0.266	20.84	21.80	1.247	0.332	/
	State8		Left Edge	10	23790	710	1	Mid	-0.13	0.529	20.84	21.80	1.247	0.660	/
	State8		Bottom Edge	10	23790	710	1	Mid	0.01	0.008	20.84	21.80	1.247	0.010	/
	State8		Front Side	10	23800	711	25	High	-0.11	0.254	20.84	21.80	1.247	0.317	/
	State8		Back Side	10	23800	711	25	High	-0.08	0.277	20.84	21.80	1.247	0.345	/
	State8		Left Edge	10	23800	711	25	High	0.14	0.483	20.84	21.80	1.247	0.602	/
	State8		Bottom Edge	10	23800	711	25	High	-0.09	0.013	20.84	21.80	1.247	0.016	/
Ant.1	State8	QPSK	Front Side	10	23800	711	1	Mid	0.02	0.195	22.34	23.00	1.164	0.227	/
	State8		Back Side	10	23800	711	1	Mid	0.09	0.247	22.34	23.00	1.164	0.288	/
	State8		Right Edge	10	23800	711	1	Mid	-0.06	0.496	22.34	23.00	1.164	0.577	/
	State8		Bottom Edge	10	23800	711	1	Mid	-0.01	0.006	22.34	23.00	1.164	0.007	/
	State8		Front Side	10	23780	709	25	High	0.09	0.204	22.34	23.00	1.164	0.237	/
	State8		Back Side	10	23780	709	25	High	0.03	0.255	22.34	23.00	1.164	0.297	/
	State8		Right Edge	10	23780	709	25	High	0.12	0.519	22.34	23.00	1.164	**0.604**	45#
	State8		Bottom Edge	10	23780	709	25	High	0.05	0.009	22.34	23.00	1.164	0.010	/

10.18 LTE Band 18 (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.0	State5	QPSK	Left Cheek	0	23925	822.5	1	Mid	-0.14	0.698	21.99	22.80	1.205	0.841	/
	State5		Left Tilt	0	23925	822.5	1	Mid	0.15	0.227	21.99	22.80	1.205	0.274	/
	State5		Right Cheek	0	23925	822.5	1	Mid	-0.07	0.867	21.99	22.80	1.205	1.045	/
	State5		Right Tilt	0	23925	822.5	1	Mid	0.14	0.213	21.99	22.80	1.205	0.257	/
	State5		Left Cheek	0	23925	822.5	36	High	0.01	0.716	22.07	22.80	1.183	0.847	/
	State5		Left Tilt	0	23925	822.5	36	High	-0.15	0.241	22.07	22.80	1.183	0.285	/
	State5		Right Cheek	0	23925	822.5	36	High	-0.04	0.900	22.07	22.80	1.183	**1.065**	46#
	State5		Right Tilt	0	23925	822.5	36	High	-0.15	0.224	22.07	22.80	1.183	0.265	/
	State5		Left Cheek	0	23925	822.5	75	Low	0.04	0.684	22.05	22.80	1.189	0.813	/
	State5		Right Cheek	0	23925	822.5	75	Low	0.04	0.850	22.05	22.80	1.189	1.011	/
Ant.0	State10	QPSK	Left Cheek	0	23925	822.5	1	Low	0.06	0.594	21.48	22.30	1.208	0.718	/
	State10		Left Tilt	0	23925	822.5	1	Low	0.09	0.203	21.48	22.30	1.208	0.245	/
	State10		Right Cheek	0	23925	822.5	1	Low	-0.01	0.773	21.48	22.30	1.208	0.934	/
	State10		Right Tilt	0	23925	822.5	1	Low	-0.13	0.189	21.48	22.30	1.208	0.228	/
	State10		Left Cheek	0	23925	822.5	36	High	-0.12	0.638	21.61	22.30	1.172	0.748	/
	State10		Left Tilt	0	23925	822.5	36	High	0.12	0.215	21.61	22.30	1.172	0.252	/
	State10		Right Cheek	0	23925	822.5	36	High	0.10	0.802	21.61	22.30	1.172	0.940	/
	State10		Right Tilt	0	23925	822.5	36	High	-0.10	0.200	21.61	22.30	1.172	0.234	/
	State10		Right Cheek	0	23925	822.5	75	Low	0.05	0.785	21.55	22.30	1.189	0.933	/
Ant.1	State5	QPSK	Left Cheek	0	23925	822.5	1	Mid	-0.09	0.729	20.88	22.00	1.294	0.943	/
	State5		Left Tilt	0	23925	822.5	1	Mid	0.08	0.148	20.88	22.00	1.294	0.192	/
	State5		Right Cheek	0	23925	822.5	1	Mid	0.03	0.552	20.88	22.00	1.294	0.714	/
	State5		Right Tilt	0	23925	822.5	1	Mid	0.05	0.155	20.88	22.00	1.294	0.201	/
	State5		Left Cheek	0	23925	822.5	36	High	0.07	0.792	21.02	22.00	1.253	0.992	/
	State5		Left Tilt	0	23925	822.5	36	High	-0.03	0.160	21.02	22.00	1.253	0.200	/
	State5		Right Cheek	0	23925	822.5	36	High	0.02	0.597	21.02	22.00	1.253	0.748	/
	State5		Right Tilt	0	23925	822.5	36	High	0.15	0.167	21.02	22.00	1.253	0.209	/
	State5		Left Cheek	0	23925	822.5	75	Low	0.05	0.730	21.02	22.00	1.253	0.915	/
Ant.1	State10	QPSK	Left Cheek	0	23925	822.5	1	Mid	0.05	0.579	19.95	21.00	1.274	0.738	/
	State10		Left Tilt	0	23925	822.5	1	Mid	-0.11	0.117	19.95	21.00	1.274	0.149	/
	State10		Right Cheek	0	23925	822.5	1	Mid	-0.01	0.435	19.95	21.00	1.274	0.554	/
	State10		Right Tilt	0	23925	822.5	1	Mid	0.04	0.123	19.95	21.00	1.274	0.157	/
	State10		Left Cheek	0	23925	822.5	36	High	0.11	0.628	20.08	21.00	1.236	0.776	/
	State10		Left Tilt	0	23925	822.5	36	High	-0.02	0.126	20.08	21.00	1.236	0.156	/
	State10		Right Cheek	0	23925	822.5	36	High	0.03	0.474	20.08	21.00	1.236	0.586	/
	State10		Right Tilt	0	23925	822.5	36	High	0.11	0.130	20.08	21.00	1.236	0.161	/

Body-worn															
Ant.0	State3	QPSK	Front Side	15	23925	822.5	1	Mid	0.07	0.265	21.99	22.80	1.205	0.319	/
	State3		Back Side	15	23925	822.5	1	Mid	-0.08	0.271	21.99	22.80	1.205	0.327	/
	State3		Front Side	15	23925	822.5	36	High	-0.12	0.275	22.07	22.80	1.183	0.325	/
	State3		Back Side	15	23925	822.5	36	High	-0.12	0.286	22.07	22.80	1.183	**0.338**	47#
Ant.0	State8	QPSK	Front Side	15	23925	822.5	1	Mid	0.03	0.210	20.84	21.80	1.247	0.262	/
	State8		Back Side	15	23925	822.5	1	Mid	-0.11	0.215	20.84	21.80	1.247	0.268	/
	State8		Front Side	15	23925	822.5	36	High	-0.09	0.218	20.96	21.80	1.213	0.264	/
	State8		Back Side	15	23925	822.5	36	High	0.12	0.227	20.96	21.80	1.213	0.275	/
Ant.1	State3	QPSK	Front Side	15	23925	822.5	1	Mid	-0.15	0.220	21.63	22.50	1.222	0.269	/
	State3		Back Side	15	23925	822.5	1	Mid	-0.03	0.253	21.63	22.50	1.222	0.309	/
	State3		Front Side	15	23925	822.5	36	High	0.09	0.240	21.75	22.50	1.189	0.285	/
	State3		Back Side	15	23925	822.5	36	High	-0.05	0.277	21.75	22.50	1.189	0.329	/
Ant.1	State8	QPSK	Front Side	15	23925	822.5	1	Mid	-0.04	0.174	20.44	21.50	1.276	0.222	/
	State8		Back Side	15	23925	822.5	1	Mid	-0.14	0.201	20.44	21.50	1.276	0.256	/
	State8		Front Side	15	23925	822.5	36	High	-0.05	0.191	20.56	21.50	1.242	0.237	/
	State8		Back Side	15	23925	822.5	36	High	0.02	0.220	20.56	21.50	1.242	0.273	/
Hotspot															
Ant.0	State8	QPSK	Front Side	10	23925	822.5	1	Mid	0.04	0.223	20.84	21.80	1.247	0.278	/
	State8		Back Side	10	23925	822.5	1	Mid	-0.13	0.246	20.84	21.80	1.247	0.307	/
	State8		Left Edge	10	23925	822.5	1	Mid	-0.05	0.439	20.84	21.80	1.247	0.547	/
	State8		Bottom Edge	10	23925	822.5	1	Mid	0.06	0.008	20.84	21.80	1.247	0.010	/
	State8		Front Side	10	23925	822.5	36	High	-0.08	0.239	20.96	21.80	1.213	0.290	/
	State8		Back Side	10	23925	822.5	36	High	-0.07	0.259	20.96	21.80	1.213	0.314	/
	State8		Left Edge	10	23925	822.5	36	High	0.04	0.471	20.96	21.80	1.213	**0.571**	48#
	State8		Bottom Edge	10	23925	822.5	36	High	-0.03	0.007	20.96	21.80	1.213	0.008	/
Ant.1	State8	QPSK	Front Side	10	23925	822.5	1	Mid	-0.08	0.196	20.44	21.50	1.276	0.250	/
	State8		Back Side	10	23925	822.5	1	Mid	-0.10	0.238	20.44	21.50	1.276	0.304	/
	State8		Right Edge	10	23925	822.5	1	Mid	-0.15	0.394	20.44	21.50	1.276	0.503	/
	State8		Bottom Edge	10	23925	822.5	1	Mid	-0.10	0.009	20.44	21.50	1.276	0.011	/
	State8		Front Side	10	23925	822.5	36	High	-0.07	0.214	20.56	21.50	1.242	0.266	/
	State8		Back Side	10	23925	822.5	36	High	0.11	0.256	20.56	21.50	1.242	0.318	/
	State8		Right Edge	10	23925	822.5	36	High	0.06	0.419	20.56	21.50	1.242	0.520	/
	State8		Bottom Edge	10	23925	822.5	36	High	0.09	0.006	20.56	21.50	1.242	0.007	/

10.19 LTE Band 19 (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.0	State5	QPSK	Left Cheek	0	24075	837.5	1	Low	-0.04	0.677	21.50	22.30	1.202	0.814	/
	State5		Left Tilt	0	24075	837.5	1	Low	-0.09	0.227	21.50	22.30	1.202	0.273	/
	State5		Right Cheek	0	24075	837.5	1	Low	-0.08	0.912	21.50	22.30	1.202	1.096	/
	State5		Right Tilt	0	24075	837.5	1	Low	0.05	0.205	21.50	22.30	1.202	0.246	/
	State5		Left Cheek	0	24075	837.5	36	High	-0.14	0.664	21.54	22.30	1.191	0.791	/
	State5		Left Tilt	0	24075	837.5	36	High	-0.13	0.219	21.54	22.30	1.191	0.261	/
	State5		Right Cheek	0	24075	837.5	36	High	-0.09	0.907	21.54	22.30	1.191	1.080	/
	State5		Right Tilt	0	24075	837.5	36	High	0.11	0.201	21.54	22.30	1.191	0.239	/
	State5		Left Cheek	0	24075	837.5	75	Low	-0.03	0.672	21.55	22.30	1.189	0.799	/
	State5		Right Tilt	0	24075	837.5	75	Low	0.04	0.896	21.55	22.30	1.189	1.065	/
Ant.0	State10	QPSK	Left Cheek	0	24075	837.5	1	Low	-0.07	0.538	20.48	21.30	1.208	0.650	/
	State10		Left Tilt	0	24075	837.5	1	Low	-0.07	0.181	20.48	21.30	1.208	0.219	/
	State10		Right Cheek	0	24075	837.5	1	Low	0.03	0.724	20.48	21.30	1.208	0.875	/
	State10		Right Tilt	0	24075	837.5	1	Low	-0.08	0.163	20.48	21.30	1.208	0.197	/
	State10		Left Cheek	0	24075	837.5	36	Low	0.10	0.579	20.57	21.30	1.183	0.685	/
	State10		Left Tilt	0	24075	837.5	36	Low	-0.08	0.191	20.57	21.30	1.183	0.226	/
	State10		Right Cheek	0	24075	837.5	36	Low	-0.14	0.762	20.57	21.30	1.183	0.901	/
	State10		Right Tilt	0	24075	837.5	36	Low	0.03	0.172	20.57	21.30	1.183	0.203	/
	State10		Right Cheek	0	24075	837.5	75	Low	-0.03	0.715	20.48	21.30	1.208	0.864	/
Ant.1	State5	QPSK	Left Cheek	0	24075	837.5	1	Low	0.13	0.998	21.27	22.00	1.183	1.181	/
	State5		Left Tilt	0	24075	837.5	1	Low	-0.10	0.197	21.27	22.00	1.183	0.233	/
	State5		Right Cheek	0	24075	837.5	1	Low	0.10	0.710	21.27	22.00	1.183	0.840	/
	State5		Right Tilt	0	24075	837.5	1	Low	0.06	0.216	21.27	22.00	1.183	0.256	/
	State5		Left Cheek	0	24075	837.5	36	High	0.03	1.050	21.49	22.00	1.125	**1.181**	49#
	State5		Left Tilt	0	24075	837.5	36	High	0.12	0.210	21.49	22.00	1.125	0.236	/
	State5		Right Cheek	0	24075	837.5	36	High	-0.01	0.751	21.49	22.00	1.125	0.845	/
	State5		Right Tilt	0	24075	837.5	36	High	-0.02	0.234	21.49	22.00	1.125	0.263	/
	State5		Left Cheek	0	24075	837.5	75	Low	-0.01	0.984	21.25	22.00	1.189	1.170	/
	State5		Right Cheek	0	24075	837.5	75	Low	0.06	0.965	21.25	22.00	1.189	1.147	/
Ant.1	State10	QPSK	Left Cheek	0	24075	837.5	1	Low	-0.01	0.753	20.15	21.00	1.216	0.916	/
	State10		Left Tilt	0	24075	837.5	1	Low	-0.15	0.157	20.15	21.00	1.216	0.191	/
	State10		Right Cheek	0	24075	837.5	1	Low	-0.07	0.565	20.15	21.00	1.216	0.687	/
	State10		Right Tilt	0	24075	837.5	1	Low	-0.05	0.173	20.15	21.00	1.216	0.210	/
	State10		Left Cheek	0	24075	837.5	36	High	-0.04	0.780	20.29	21.00	1.178	0.919	/
	State10		Left Tilt	0	24075	837.5	36	High	0.01	0.167	20.29	21.00	1.178	0.197	/
	State10		Right Cheek	0	24075	837.5	36	High	-0.01	0.597	20.29	21.00	1.178	0.703	/

	State10		Right Tilt	0	24075	837.5	36	High	0.06	0.185	20.29	21.00	1.178	0.218	/
	State10		Left Cheek	0	24075	837.5	75	Low	0.02	0.751	20.10	21.00	1.230	0.924	/
Body-worn															
Ant.0	State3	QPSK	Front Side	15	24075	837.5	1	Low	0.02	0.197	20.90	21.80	1.230	0.242	/
	State3		Back Side	15	24075	837.5	1	Low	-0.12	0.224	20.90	21.80	1.230	0.276	/
	State3		Front Side	15	24075	837.5	36	High	-0.15	0.209	20.97	21.80	1.211	0.253	/
	State3		Back Side	15	24075	837.5	36	High	0.08	0.221	20.97	21.80	1.211	0.268	/
Ant.0	State8	QPSK	Front Side	15	24075	837.5	1	Mid	-0.05	0.157	19.83	20.80	1.250	0.196	/
	State8		Back Side	15	24075	837.5	1	Mid	0.09	0.178	19.83	20.80	1.250	0.223	/
	State8		Front Side	15	24075	837.5	36	High	-0.06	0.166	19.99	20.80	1.205	0.200	/
	State8		Back Side	15	24075	837.5	36	High	-0.10	0.176	19.99	20.80	1.205	0.212	/
Ant.1	State3	QPSK	Front Side	15	24075	837.5	1	Low	-0.07	0.243	21.27	22.00	1.183	0.287	/
	State3		Back Side	15	24075	837.5	1	Low	-0.12	0.301	21.27	22.00	1.183	0.356	/
	State3		Front Side	15	24075	837.5	36	High	0.07	0.261	21.49	22.00	1.125	0.294	/
	State3		Back Side	15	24075	837.5	36	High	-0.18	0.324	21.49	22.00	1.125	**0.365**	50#
Ant.1	State8	QPSK	Front Side	15	24075	837.5	1	Low	-0.02	0.193	20.15	21.00	1.216	0.235	/
	State8		Back Side	15	24075	837.5	1	Low	0.01	0.239	20.15	21.00	1.216	0.291	/
	State8		Front Side	15	24075	837.5	36	High	-0.07	0.208	20.29	21.00	1.178	0.245	/
	State8		Back Side	15	24075	837.5	36	High	0.02	0.257	20.29	21.00	1.178	0.303	/
Hotspot															
Ant.0	State8	QPSK	Front Side	10	24075	837.5	1	Mid	0.14	0.205	19.83	20.80	1.250	0.256	/
	State8		Back Side	10	24075	837.5	1	Mid	0.15	0.220	19.83	20.80	1.250	0.275	/
	State8		Left Edge	10	24075	837.5	1	Mid	0.11	0.382	19.83	20.80	1.250	0.478	/
	State8		Bottom Edge	10	24075	837.5	1	Mid	0.03	0.012	19.83	20.80	1.250	0.015	/
	State8		Front Side	10	24075	837.5	36	High	-0.03	0.218	19.99	20.80	1.205	0.263	/
	State8		Back Side	10	24075	837.5	36	High	-0.14	0.233	19.99	20.80	1.205	0.281	/
	State8		Left Edge	10	24075	837.5	36	High	-0.01	0.411	19.99	20.80	1.205	0.495	/
	State8		Bottom Edge	10	24075	837.5	36	High	-0.12	0.007	19.99	20.80	1.205	0.008	/
Ant.1	State8	QPSK	Front Side	10	24075	837.5	1	Low	-0.07	0.244	20.15	21.00	1.216	0.297	/
	State8		Back Side	10	24075	837.5	1	Low	0.12	0.296	20.15	21.00	1.216	0.360	/
	State8		Right Edge	10	24075	837.5	1	Low	0.10	0.451	20.15	21.00	1.216	0.548	/
	State8		Bottom Edge	10	24075	837.5	1	Low	0.10	0.020	20.15	21.00	1.216	0.024	/
	State8		Front Side	10	24075	837.5	36	High	-0.09	0.262	20.29	21.00	1.178	0.309	/
	State8		Back Side	10	24075	837.5	36	High	0.09	0.316	20.29	21.00	1.178	0.372	/
	State8		Right Edge	10	24075	837.5	36	High	0.14	0.488	20.29	21.00	1.178	**0.575**	51#
	State8		Bottom Edge	10	24075	837.5	36	High	0.03	0.009	20.29	21.00	1.178	0.011	/

10.20 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.0	State5	QPSK	Left Cheek	0	26965	841.5	1	Low	0.08	0.565	21.01	21.80	1.199	0.677	/
	State5		Left Tilt	0	26965	841.5	1	Low	0.06	0.185	21.01	21.80	1.199	0.222	/
	State5		Right Cheek	0	26965	841.5	1	Low	0.01	0.767	21.01	21.80	1.199	0.920	/
	State5		Right Tilt	0	26965	841.5	1	Low	0.08	0.161	21.01	21.80	1.199	0.193	/
	State5		Left Cheek	0	26865	831.5	36	High	0.01	0.617	21.03	21.80	1.194	0.737	/
	State5		Left Tilt	0	26865	831.5	36	High	0.15	0.200	21.03	21.80	1.194	0.239	/
	State5		Right Cheek	0	26865	831.5	36	High	0.13	0.825	21.03	21.80	1.194	0.985	/
	State5		Right Tilt	0	26865	831.5	36	High	0.09	0.171	21.03	21.80	1.194	0.204	/
	State5		Right Cheek	0	26765	821.5	1	Low	0.14	0.627	20.82	21.80	1.253	0.786	/
	State5		Right Cheek	0	26865	831.5	1	Mid	0.10	0.905	20.92	21.80	1.225	**1.109**	52#
	State5		Right Cheek	0	26765	821.5	36	High	0.11	0.678	20.98	21.80	1.208	0.819	/
	State5		Right Cheek	0	26965	841.5	36	High	-0.13	0.922	21.01	21.80	1.199	1.105	/
	State5		Right Cheek	0	26765	821.5	75	Low	0.14	0.880	20.97	21.80	1.211	1.066	/
Ant.0	State10	QPSK	Left Cheek	0	26965	841.5	1	Mid	-0.14	0.449	19.94	20.80	1.219	0.547	/
	State10		Left Tilt	0	26965	841.5	1	Mid	0.03	0.147	19.94	20.80	1.219	0.179	/
	State10		Right Cheek	0	26965	841.5	1	Mid	-0.15	0.608	19.94	20.80	1.219	0.741	/
	State10		Right Tilt	0	26965	841.5	1	Mid	-0.14	0.127	19.94	20.80	1.219	0.155	/
	State10		Left Cheek	0	26865	831.5	36	Mid	-0.13	0.490	19.98	20.80	1.208	0.592	/
	State10		Left Tilt	0	26865	831.5	36	Mid	-0.06	0.159	19.98	20.80	1.208	0.192	/
	State10		Right Cheek	0	26865	831.5	36	Mid	0.03	0.655	19.98	20.80	1.208	0.791	/
	State10		Right Tilt	0	26865	831.5	36	Mid	0.15	0.136	19.98	20.80	1.208	0.164	/
Ant.1	State5	QPSK	Left Cheek	0	26865	831.5	1	Mid	0.00	0.652	20.51	21.50	1.256	0.819	/
	State5		Left Tilt	0	26865	831.5	1	Mid	-0.06	0.141	20.51	21.50	1.256	0.177	/
	State5		Right Cheek	0	26865	831.5	1	Mid	0.06	0.527	20.51	21.50	1.256	0.662	/
	State5		Right Tilt	0	26865	831.5	1	Mid	-0.04	0.153	20.51	21.50	1.256	0.192	/
	State5		Left Cheek	0	26965	841.5	36	High	0.00	0.725	20.60	21.50	1.230	0.892	/
	State5		Left Tilt	0	26965	841.5	36	High	0.02	0.154	20.60	21.50	1.230	0.189	/
	State5		Right Cheek	0	26965	841.5	36	High	0.06	0.596	20.60	21.50	1.230	0.733	/
	State5		Right Tilt	0	26965	841.5	36	High	0.04	0.166	20.60	21.50	1.230	0.204	/
	State5		Left Cheek	0	26765	821.5	1	Mid	0.09	0.784	20.36	21.50	1.300	1.019	/
	State5		Left Cheek	0	26965	841.5	1	Mid	-0.07	0.518	20.51	21.50	1.256	0.651	/
	State5		Left Cheek	0	26765	821.5	36	High	0.12	0.568	20.54	21.50	1.247	0.708	/
	State5		Left Cheek	0	26865	831.5	36	High	-0.12	0.802	20.59	21.50	1.233	0.989	/
	State5		Left Cheek	0	26765	821.5	75	Low	-0.15	0.776	20.55	21.50	1.245	0.966	/
Ant.1	State10	QPSK	Left Cheek	0	26965	841.5	1	Mid	0.01	0.528	19.72	20.50	1.197	0.632	/
	State10		Left Tilt	0	26965	841.5	1	Mid	0.08	0.110	19.72	20.50	1.197	0.132	/

	State10		Right Cheek	0	26965	841.5	1	Mid	-0.10	0.421	19.72	20.50	1.197	0.504	/
	State10		Right Tilt	0	26965	841.5	1	Mid	0.15	0.123	19.72	20.50	1.197	0.147	/
	State10		Left Cheek	0	26965	841.5	36	High	0.09	0.561	19.76	20.50	1.186	0.665	/
	State10		Left Tilt	0	26965	841.5	36	High	-0.02	0.123	19.76	20.50	1.186	0.146	/
	State10		Right Cheek	0	26965	841.5	36	High	-0.12	0.459	19.76	20.50	1.186	0.544	/
	State10		Right Tilt	0	26965	841.5	36	High	0.07	0.128	19.76	20.50	1.186	0.152	/
Body-worn															
Ant.0	State3	QPSK	Front Side	15	26965	841.5	1	Low	0.08	0.229	21.01	21.80	1.199	0.275	/
	State3		Back Side	15	26965	841.5	1	Low	0.09	0.248	21.01	21.80	1.199	0.297	/
	State3		Front Side	15	26865	831.5	36	High	-0.11	0.247	21.03	21.80	1.194	0.295	/
	State3		Back Side	15	26865	831.5	36	High	0.10	0.271	21.03	21.80	1.194	0.324	/
Ant.0	State8	QPSK	Front Side	15	26965	841.5	1	Mid	-0.03	0.182	19.94	20.80	1.219	0.222	/
	State8		Back Side	15	26965	841.5	1	Mid	0.02	0.196	19.94	20.80	1.219	0.239	/
	State8		Front Side	15	26865	831.5	36	Mid	0.12	0.196	19.98	20.80	1.208	0.237	/
	State8		Back Side	15	26865	831.5	36	Mid	0.07	0.215	19.98	20.80	1.208	0.260	/
Ant.1	State3	QPSK	Front Side	15	26965	841.5	1	Mid	0.14	0.272	21.12	22.00	1.225	0.333	/
	State3		Back Side	15	26965	841.5	1	Mid	0.15	0.311	21.12	22.00	1.225	0.381	/
	State3		Front Side	15	26865	831.5	36	High	0.09	0.304	21.19	22.00	1.205	0.366	/
	State3		Back Side	15	26865	831.5	36	High	-0.04	0.342	21.19	22.00	1.205	**0.412**	53#
Ant.1	State8	QPSK	Front Side	15	26865	831.5	1	Mid	0.15	0.216	20.03	21.00	1.250	0.270	/
	State8		Back Side	15	26865	831.5	1	Mid	-0.11	0.247	20.03	21.00	1.250	0.309	/
	State8		Front Side	15	26865	831.5	36	High	-0.12	0.241	20.11	21.00	1.227	0.296	/
	State8		Back Side	15	26865	831.5	36	High	-0.10	0.272	20.11	21.00	1.227	0.334	/
Hotspot															
Ant.0	State8	QPSK	Front Side	10	26965	841.5	1	Mid	-0.04	0.234	19.94	20.80	1.219	0.285	/
	State8		Back Side	10	26965	841.5	1	Mid	-0.01	0.250	19.94	20.80	1.219	0.305	/
	State8		Left Edge	10	26965	841.5	1	Mid	-0.01	0.434	19.94	20.80	1.219	0.529	/
	State8		Bottom Edge	10	26965	841.5	1	Mid	-0.09	0.012	19.94	20.80	1.219	0.015	/
	State8		Front Side	10	26865	831.5	36	Mid	0.08	0.250	19.98	20.80	1.208	0.302	/
	State8		Back Side	10	26865	831.5	36	Mid	-0.11	0.264	19.98	20.80	1.208	0.319	/
	State8		Left Edge	10	26865	831.5	36	Mid	0.07	0.467	19.98	20.80	1.208	0.564	/
	State8		Bottom Edge	10	26865	831.5	36	Mid	-0.08	0.009	19.98	20.80	1.208	0.011	/
Ant.1	State8	QPSK	Front Side	10	26865	831.5	1	Mid	0.01	0.259	20.03	21.00	1.250	0.324	/
	State8		Back Side	10	26865	831.5	1	Mid	-0.08	0.317	20.03	21.00	1.250	0.396	/
	State8		Right Edge	10	26865	831.5	1	Mid	-0.01	0.480	20.03	21.00	1.250	0.600	/
	State8		Bottom Edge	10	26865	831.5	1	Mid	-0.09	0.021	20.03	21.00	1.250	0.026	/
	State8		Front Side	10	26865	831.5	36	High	0.13	0.282	20.11	21.00	1.227	0.346	/
	State8		Back Side	10	26865	831.5	36	High	0.12	0.343	20.11	21.00	1.227	0.421	/
	State8		Right Edge	10	26865	831.5	36	High	0.08	0.523	20.11	21.00	1.227	**0.642**	54#
	State8		Bottom Edge	10	26865	831.5	36	High	-0.15	0.090	20.11	21.00	1.227	0.110	/

10.21 LTE Band 28 (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.0	State5	QPSK	Left Cheek	0	27560	738	1	High	0.12	0.750	21.28	22.30	1.265	0.949	/
	State5		Left Tilt	0	27560	738	1	High	0.02	0.214	21.28	22.30	1.265	0.271	/
	State5		Right Cheek	0	27560	738	1	High	-0.13	0.786	21.28	22.30	1.265	0.994	/
	State5		Right Tilt	0	27560	738	1	High	-0.11	0.214	21.28	22.30	1.265	0.271	/
	State5		Left Cheek	0	27560	738	50	Mid	0.14	0.786	21.34	22.30	1.247	0.980	/
	State5		Left Tilt	0	27560	738	50	Mid	0.04	0.222	21.34	22.30	1.247	0.277	/
	State5		Right Cheek	0	27560	738	50	Mid	0.02	0.846	21.34	22.30	1.247	1.055	/
	State5		Right Tilt	0	27560	738	50	Mid	-0.12	0.216	21.34	22.30	1.247	0.269	/
	State5		Left Cheek	0	27310	713	1	High	-0.10	0.506	21.17	22.30	1.297	0.656	/
	State5		Left Cheek	0	27460	728	1	High	0.01	0.721	21.21	22.30	1.285	0.926	/
	State5		Left Cheek	0	27310	713	50	Mid	0.11	0.590	21.25	22.30	1.274	0.752	/
	State5		Left Cheek	0	27460	728	50	Mid	0.06	0.764	21.31	22.30	1.256	0.960	/
	State5		Left Cheek	0	27560	738	100	Low	0.06	0.742	21.39	22.30	1.233	0.915	/
	State5		Right Cheek	0	27310	713	1	High	0.12	0.535	21.17	22.30	1.297	0.694	/
	State5		Right Cheek	0	27460	728	1	High	0.07	0.763	21.21	22.30	1.285	0.980	/
	State5		Right Cheek	0	27310	713	50	Mid	0.08	0.619	21.25	22.30	1.274	0.789	/
	State5		Right Cheek	0	27460	728	50	Mid	-0.05	0.810	21.31	22.30	1.256	1.017	/
	State5		Right Cheek	0	27560	738	100	Low	0.07	0.785	21.39	22.30	1.233	0.968	/
Ant.0	State10	QPSK	Left Cheek	0	27560	738	1	High	0.07	0.593	20.31	21.30	1.256	0.745	/
	State10		Left Tilt	0	27560	738	1	High	0.03	0.172	20.31	21.30	1.256	0.216	/
	State10		Right Cheek	0	27560	738	1	High	-0.04	0.655	20.31	21.30	1.256	0.823	/
	State10		Right Tilt	0	27560	738	1	High	-0.07	0.171	20.31	21.30	1.256	0.215	/
	State10		Left Cheek	0	27560	738	50	High	0.00	0.621	20.35	21.30	1.245	0.773	/
	State10		Left Tilt	0	27560	738	50	High	0.01	0.175	20.35	21.30	1.245	0.218	/
	State10		Right Cheek	0	27560	738	50	High	0.05	0.669	20.35	21.30	1.245	0.833	/
	State10		Right Tilt	0	27560	738	50	High	0.11	0.170	20.35	21.30	1.245	0.212	/
	State10		Right Cheek	0	27310	713	1	High	-0.01	0.426	20.21	21.30	1.285	0.547	/
	State10		Right Cheek	0	27460	728	1	High	-0.10	0.606	20.27	21.30	1.268	0.768	/
	State10		Right Cheek	0	27310	713	50	High	-0.04	0.486	20.27	21.30	1.268	0.616	/
	State10		Right Cheek	0	27460	728	50	Mid	0.09	0.645	20.34	21.30	1.247	0.804	/
	State10		Right Cheek	0	27560	738	100	Low	-0.02	0.623	20.37	21.30	1.239	0.772	/
Ant.1	State5	QPSK	Left Cheek	0	27310	713	1	Mid	0.10	0.858	22.32	23.00	1.169	1.003	/
	State5		Left Tilt	0	27310	713	1	Mid	-0.14	0.202	22.32	23.00	1.169	0.236	/
	State5		Right Cheek	0	27310	713	1	Mid	0.02	0.796	22.32	23.00	1.169	0.931	/
	State5		Right Tilt	0	27310	713	1	Mid	0.12	0.203	22.32	23.00	1.169	0.237	/
	State5		Left Cheek	0	27560	738	50	Mid	0.04	1.050	22.51	23.00	1.119	**1.175**	55#

	State5		Left Tilt	0	27560	738	50	Mid	0.15	0.268	22.51	23.00	1.119	0.300	/
	State5		Right Cheek	0	27560	738	50	Mid	0.06	0.903	22.51	23.00	1.119	1.010	/
	State5		Right Tilt	0	27560	738	50	Mid	-0.15	0.275	22.51	23.00	1.119	0.308	/
	State5		Left Cheek	0	27460	728	1	Mid	0.05	0.858	22.24	23.00	1.191	1.022	/
	State5		Left Cheek	0	27560	738	1	High	-0.05	0.921	22.15	23.00	1.216	1.120	/
	State5		Left Cheek	0	27310	713	50	Mid	-0.08	0.850	22.30	23.00	1.175	0.999	/
	State5		Left Cheek	0	27460	728	50	Mid	-0.01	0.882	22.36	23.00	1.159	1.022	/
	State5		Left Cheek	0	27560	738	100	Low	0.01	0.910	22.38	23.00	1.153	1.049	/
	State5		Right Cheek	0	27460	728	1	Mid	0.05	0.868	22.24	23.00	1.191	1.034	/
	State5		Right Cheek	0	27560	738	1	High	-0.07	0.849	22.15	23.00	1.216	1.032	/
	State5		Right Cheek	0	27310	713	50	Mid	-0.05	0.842	22.30	23.00	1.175	0.989	/
	State5		Right Cheek	0	27460	728	50	Mid	-0.11	0.851	22.36	23.00	1.159	0.986	/
	State5		Right Cheek	0	27560	738	100	Low	0.03	0.850	22.38	23.00	1.153	0.980	/
Ant.1	State10	QPSK	Left Cheek	0	27560	728	1	High	-0.11	0.751	21.63	22.50	1.222	0.918	/
	State10		Left Tilt	0	27560	728	1	High	-0.03	0.165	21.63	22.50	1.222	0.202	/
	State10		Right Cheek	0	27560	728	1	High	-0.01	0.700	21.63	22.50	1.222	0.855	/
	State10		Right Tilt	0	27560	728	1	High	0.06	0.156	21.63	22.50	1.222	0.191	/
	State10		Left Cheek	0	27310	713	50	Mid	-0.09	0.752	21.71	22.50	1.199	0.902	/
	State10		Left Tilt	0	27310	713	50	Mid	-0.06	0.185	21.71	22.50	1.199	0.222	/
	State10		Right Cheek	0	27310	713	50	Mid	-0.08	0.713	21.71	22.50	1.199	0.855	/
	State10		Right Tilt	0	27310	713	50	Mid	-0.14	0.176	21.71	22.50	1.199	0.211	/
	State10		Left Cheek	0	27310	713	1	Mid	0.06	0.755	21.56	22.50	1.242	0.938	/
	State10		Left Cheek	0	27460	728	1	High	-0.08	0.760	21.60	22.50	1.230	0.935	/
	State10		Left Cheek	0	27460	728	50	Mid	-0.14	0.753	21.70	22.50	1.202	0.905	/
	State10		Left Cheek	0	27560	738	50	Mid	0.09	0.776	21.66	22.50	1.213	0.941	/
	State10		Left Cheek	0	27310	713	100	Low	-0.15	0.751	21.72	22.50	1.197	0.899	/
	State10		Right Cheek	0	27310	713	1	Mid	0.12	0.742	21.56	22.50	1.242	0.922	/
	State10		Right Cheek	0	27460	728	1	High	-0.08	0.739	21.60	22.50	1.230	0.909	/
	State10		Right Cheek	0	27460	728	50	Mid	-0.09	0.748	21.70	22.50	1.202	0.899	/
	State10		Right Cheek	0	27560	738	50	Mid	0.12	0.751	21.66	22.50	1.213	0.911	/
	State10		Right Cheek	0	27310	713	100	Low	0.05	0.746	21.72	22.50	1.197	0.893	/
Body-worn															
Ant.0	State3	QPSK	Front Side	15	27560	738	1	High	-0.15	0.191	21.28	22.30	1.265	0.242	/
	State3		Back Side	15	27560	738	1	High	0.03	0.211	21.28	22.30	1.265	0.267	/
	State3		Front Side	15	27560	738	50	Mid	-0.09	0.251	21.34	22.30	1.247	0.313	/
	State3		Back Side	15	27560	738	50	Mid	0.10	0.278	21.34	22.30	1.247	0.347	/
Ant.0	State8	QPSK	Front Side	15	27560	738	1	High	0.11	0.152	20.31	21.30	1.256	0.191	/
	State8		Back Side	15	27560	738	1	High	-0.11	0.168	20.31	21.30	1.256	0.211	/
	State8		Front Side	15	27560	738	50	High	0.01	0.200	20.35	21.30	1.245	0.249	/
	State8		Back Side	15	27560	738	50	High	0.07	0.220	20.35	21.30	1.245	0.274	/
Ant.1	State3	QPSK	Front Side	15	27310	713	1	High	0.09	0.189	22.72	23.50	1.197	0.226	/
	State3		Back Side	15	27310	713	1	High	0.11	0.251	22.72	23.50	1.197	0.300	/
	State3		Front Side	15	27310	713	50	Mid	0.07	0.263	22.74	23.50	1.191	0.313	/

	State3		Back Side	15	27310	713	50	Mid	-0.05	0.344	22.74	23.50	1.191	**0.410**	56#
Ant.1	State8	QPSK	Front Side	15	27560	728	1	High	-0.04	0.150	21.63	22.50	1.222	0.183	/
	State8		Back Side	15	27560	728	1	High	-0.01	0.199	21.63	22.50	1.222	0.243	/
	State8		Front Side	15	27310	713	50	Mid	0.07	0.209	21.71	22.50	1.199	0.251	/
	State8		Back Side	15	27310	713	50	Mid	0.00	0.273	21.71	22.50	1.199	0.327	/
Hotspot															
Ant.0	State8	QPSK	Front Side	10	27560	738	1	High	-0.02	0.202	20.31	21.30	1.256	0.254	/
	State8		Back Side	10	27560	738	1	High	-0.14	0.218	20.31	21.30	1.256	0.274	/
	State8		Left Edge	10	27560	738	1	High	-0.14	0.456	20.31	21.30	1.256	0.573	/
	State8		Bottom Edge	10	27560	738	1	High	0.12	0.008	20.31	21.30	1.256	0.010	/
	State8		Front Side	10	27560	738	50	High	0.04	0.268	20.35	21.30	1.245	0.334	/
	State8		Back Side	10	27560	738	50	High	0.04	0.292	20.35	21.30	1.245	0.364	/
	State8		Left Edge	10	27560	738	50	High	-0.05	0.541	20.35	21.30	1.245	0.674	/
	State8		Bottom Edge	10	27560	738	50	High	0.12	0.006	20.35	21.30	1.245	0.007	/
Ant.1	State8	QPSK	Front Side	10	27560	738	1	High	0.07	0.202	21.63	22.50	1.222	0.247	/
	State8		Back Side	10	27560	738	1	High	-0.06	0.244	21.63	22.50	1.222	0.298	/
	State8		Right Edge	10	27560	738	1	High	-0.04	0.469	21.63	22.50	1.222	0.573	/
	State8		Bottom Edge	10	27560	738	1	High	-0.03	0.011	21.63	22.50	1.222	0.013	/
	State8		Front Side	10	27310	713	50	Mid	-0.13	0.278	21.71	22.50	1.199	0.333	/
	State8		Back Side	10	27310	713	50	Mid	-0.06	0.338	21.71	22.50	1.199	0.405	/
	State8		Right Edge	10	27310	713	50	Mid	0.12	0.625	21.71	22.50	1.199	**0.749**	57#
	State8		Bottom Edge	10	27310	713	50	Mid	0.03	0.009	21.71	22.50	1.199	0.011	/

10.22 LTE Band 66 (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.3	State5	QPSK	Left Cheek	0	132322	1745	1	High	-0.14	0.321	16.54	17.30	1.191	0.382	/
	State5		Left Tilt	0	132322	1745	1	High	-0.08	0.375	16.54	17.30	1.191	0.447	/
	State5		Right Cheek	0	132322	1745	1	High	-0.03	0.584	16.54	17.30	1.191	0.696	/
	State5		Right Tilt	0	132322	1745	1	High	-0.02	0.598	16.54	17.30	1.191	0.712	/
	State5		Left Cheek	0	132322	1745	50	High	0.14	0.320	16.51	17.30	1.199	0.384	/
	State5		Left Tilt	0	132322	1745	50	High	-0.14	0.370	16.51	17.30	1.199	0.444	/
	State5		Right Cheek	0	132322	1745	50	High	0.13	0.589	16.51	17.30	1.199	0.706	/
	State5		Right Tilt	0	132322	1745	50	High	-0.06	0.592	16.51	17.30	1.199	0.710	/
Ant.3	State10	QPSK	Left Cheek	0	132072	1720	1	High	0.01	0.253	15.56	16.30	1.186	0.300	/
	State10		Left Tilt	0	132072	1720	1	High	0.07	0.296	15.56	16.30	1.186	0.351	/
	State10		Right Cheek	0	132072	1720	1	High	-0.07	0.465	15.56	16.30	1.186	0.551	/
	State10		Right Tilt	0	132072	1720	1	High	-0.05	0.473	15.56	16.30	1.186	0.561	/
	State10		Left Cheek	0	132322	1745	50	High	0.12	0.255	15.46	16.30	1.213	0.309	/
	State10		Left Tilt	0	132322	1745	50	High	0.13	0.292	15.46	16.30	1.213	0.354	/
	State10		Right Cheek	0	132322	1745	50	High	-0.15	0.468	15.46	16.30	1.213	0.568	/
	State10		Right Tilt	0	132322	1745	50	High	0.07	0.481	15.46	16.30	1.213	0.583	/
Ant.5	State5	QPSK	Left Cheek	0	132072	1720	1	High	0.03	1.020	21.25	21.70	1.109	**1.131**	58#
	State5		Left Tilt	0	132072	1720	1	High	-0.05	0.784	21.25	21.70	1.109	0.869	/
	State5		Right Cheek	0	132072	1720	1	High	-0.03	0.330	21.25	21.70	1.109	0.366	/
	State5		Right Tilt	0	132072	1720	1	High	0.05	0.515	21.25	21.70	1.109	0.571	/
	State5		Left Cheek	0	132072	1720	50	High	-0.07	0.942	21.14	21.70	1.138	1.072	/
	State5		Left Tilt	0	132072	1720	50	High	-0.13	0.776	21.14	21.70	1.138	0.883	/
	State5		Right Cheek	0	132072	1720	50	High	0.03	0.310	21.14	21.70	1.138	0.353	/
	State5		Right Tilt	0	132072	1720	50	High	-0.05	0.455	21.14	21.70	1.138	0.518	/
	State5		Left Cheek	0	132322	1745	1	High	-0.13	0.886	21.10	21.70	1.148	1.017	/
	State5		Left Cheek	0	132572	1770	1	High	-0.14	0.850	21.01	21.70	1.172	0.996	/
	State5		Left Cheek	0	132322	1745	50	High	-0.12	0.875	21.13	21.70	1.140	0.998	/
	State5		Left Cheek	0	132572	1770	50	High	-0.06	0.883	20.98	21.70	1.180	1.042	/
	State5		Left Cheek	0	132322	1745	100	Low	0.05	0.904	21.10	21.70	1.148	1.038	/
	State5		Left Tilt	0	132322	1745	1	High	0.00	0.681	21.10	21.70	1.148	0.782	/
	State5		Left Tilt	0	132572	1770	1	High	0.07	0.652	21.01	21.70	1.172	0.764	/
	State5		Left Tilt	0	132322	1745	50	High	-0.04	0.675	21.13	21.70	1.140	0.770	/
	State5		Left Tilt	0	132572	1770	50	High	0.11	0.680	20.98	21.70	1.180	0.802	/
	State5		Left Tilt	0	132322	1745	100	Low	-0.09	0.691	21.10	21.70	1.148	0.793	/
Ant.5	State10	QPSK	Left Cheek	0	132072	1720	1	High	0.05	0.806	20.28	20.70	1.102	0.888	/
	State10		Left Tilt	0	132072	1720	1	High	-0.05	0.621	20.28	20.70	1.102	0.684	/

	State10		Right Cheek	0	132072	1720	1	High	-0.13	0.264	20.28	20.70	1.102	0.291	/
	State10		Right Tilt	0	132072	1720	1	High	0.09	0.410	20.28	20.70	1.102	0.452	/
	State10		Left Cheek	0	132072	1720	50	High	0.12	0.744	20.18	20.70	1.127	0.838	/
	State10		Left Tilt	0	132072	1720	50	High	0.07	0.612	20.18	20.70	1.127	0.690	/
	State10		Right Cheek	0	132072	1720	50	High	-0.08	0.249	20.18	20.70	1.127	0.281	/
	State10		Right Tilt	0	132072	1720	50	High	-0.09	0.356	20.18	20.70	1.127	0.401	/
	State10		Left Cheek	0	132322	1745	1	High	-0.08	0.698	20.14	20.70	1.138	0.794	/
	State10		Left Cheek	0	132572	1770	1	High	-0.12	0.678	20.00	20.70	1.175	0.797	/
	State10		Left Cheek	0	132322	1745	50	High	0.13	0.684	20.16	20.70	1.132	0.774	/
	State10		Left Cheek	0	132572	1770	50	High	-0.02	0.681	20.00	20.70	1.175	0.800	/
	State10		Left Cheek	0	132322	1745	100	Low	0.08	0.703	20.14	20.70	1.138	0.800	/
Ant.4	State5&10	QPSK	Left Cheek	0	132072	1720	1	High	0.09	0.181	24.66	25.00	1.081	0.196	/
	State5&10		Left Tilt	0	132072	1720	1	High	0.13	0.059	24.66	25.00	1.081	0.064	/
	State5&10		Right Cheek	0	132072	1720	1	High	-0.12	0.168	24.66	25.00	1.081	0.182	/
	State5&10		Right Tilt	0	132072	1720	1	High	-0.05	0.060	24.66	25.00	1.081	0.065	/
	State5&10		Left Cheek	0	132322	1745	50	Mid	0.14	0.147	23.58	24.00	1.102	0.162	/
	State5&10		Left Tilt	0	132322	1745	50	Mid	0.15	0.049	23.58	24.00	1.102	0.054	/
	State5&10		Right Cheek	0	132322	1745	50	Mid	0.02	0.134	23.58	24.00	1.102	0.148	/
	State5&10		Right Tilt	0	132322	1745	50	Mid	0.07	0.053	23.58	24.00	1.102	0.058	/
Body-worn															
Ant.3	State3	QPSK	Front Side	15	132322	1745	1	High	0.05	0.275	22.21	22.80	1.146	0.315	/
	State3		Back Side	15	132322	1745	1	High	-0.04	0.371	22.21	22.80	1.146	**0.425**	59#
	State3		Front Side	15	132072	1720	50	High	-0.15	0.265	22.11	22.80	1.172	0.311	/
	State3		Back Side	15	132072	1720	50	High	-0.03	0.361	22.11	22.80	1.172	0.423	/
Ant.3	State8	QPSK	Front Side	15	132322	1745	1	High	-0.02	0.194	20.60	21.30	1.175	0.228	/
	State8		Back Side	15	132322	1745	1	High	0.09	0.261	20.60	21.30	1.175	0.307	/
	State8		Front Side	15	132322	1745	50	Mid	0.01	0.190	20.55	21.30	1.189	0.226	/
	State8		Back Side	15	132322	1745	50	Mid	-0.12	0.252	20.55	21.30	1.189	0.300	/
Ant.5	State3	QPSK	Front Side	15	132072	1720	1	High	-0.02	0.070	20.69	21.20	1.125	0.079	/
	State3		Back Side	15	132072	1720	1	High	-0.13	0.073	20.69	21.20	1.125	0.082	/
	State3		Front Side	15	132322	1745	50	High	-0.11	0.068	20.55	21.20	1.161	0.079	/
	State3		Back Side	15	132322	1745	50	High	0.08	0.071	20.55	21.20	1.161	0.082	/
Ant.5	State8	QPSK	Front Side	15	132072	1720	1	High	0.02	0.048	19.14	19.70	1.138	0.055	/
	State8		Back Side	15	132072	1720	1	High	0.06	0.052	19.14	19.70	1.138	0.059	/
	State8		Front Side	15	132072	1720	50	Low	0.08	0.046	19.08	19.70	1.153	0.053	/
	State8		Back Side	15	132072	1720	50	Low	0.03	0.051	19.08	19.70	1.153	0.059	/
Ant.4	State3	QPSK	Front Side	15	132072	1720	1	High	-0.12	0.114	22.08	22.50	1.102	0.126	/
	State3		Back Side	15	132072	1720	1	High	-0.01	0.152	22.08	22.50	1.102	0.168	/
	State3		Front Side	15	132072	1720	50	High	-0.11	0.121	21.98	22.50	1.127	0.136	/
	State3		Back Side	15	132072	1720	50	High	0.05	0.153	21.98	22.50	1.127	0.172	/
Ant.4	State8	QPSK	Front Side	15	132072	1720	1	High	0.08	0.090	21.02	21.50	1.117	0.101	/
	State8		Back Side	15	132072	1720	1	High	-0.04	0.118	21.02	21.50	1.117	0.132	/
	State8		Front Side	15	132072	1720	50	High	-0.03	0.091	20.93	21.50	1.140	0.104	/

	State8		Back Side	15	132072	1720	50	High	0.04	0.116	20.93	21.50	1.140	0.132	/
Hotspot															
Ant.3	State8	QPSK	Front Side	10	132322	1745	1	High	0.03	0.335	20.60	21.30	1.175	0.394	/
	State8		Back Side	10	132322	1745	1	High	-0.05	0.411	20.60	21.30	1.175	0.483	/
	State8		Right Edge	10	132322	1745	1	High	-0.01	0.134	20.60	21.30	1.175	0.157	/
	State8		Top Edge	10	132322	1745	1	High	0.06	0.561	20.60	21.30	1.175	**0.659**	60#
	State8		Front Side	10	132322	1745	50	Mid	0.12	0.334	20.55	21.30	1.189	0.397	/
	State8		Back Side	10	132322	1745	50	Mid	0.06	0.408	20.55	21.30	1.189	0.485	/
	State8		Right Edge	10	132322	1745	50	Mid	-0.08	0.136	20.55	21.30	1.189	0.162	/
	State8		Top Edge	10	132322	1745	50	Mid	-0.09	0.551	20.55	21.30	1.189	0.655	/
Ant.5	State8	QPSK	Front Side	10	132072	1720	1	High	0.06	0.088	19.14	19.70	1.138	0.100	/
	State8		Back Side	10	132072	1720	1	High	-0.08	0.089	19.14	19.70	1.138	0.101	/
	State8		Left Edge	10	132072	1720	1	High	0.10	0.090	19.14	19.70	1.138	0.102	/
	State8		Top Edge	10	132072	1720	1	High	-0.11	0.148	19.14	19.70	1.138	0.168	/
	State8		Front Side	10	132072	1720	50	Low	0.02	0.089	19.08	19.70	1.153	0.103	/
	State8		Back Side	10	132072	1720	50	Low	0.08	0.092	19.08	19.70	1.153	0.106	/
	State8		Left Edge	10	132072	1720	50	Low	0.06	0.091	19.08	19.70	1.153	0.105	/
	State8		Top Edge	10	132072	1720	50	Low	-0.11	0.141	19.08	19.70	1.153	0.163	/
Ant.4	State8	QPSK	Front Side	10	132072	1720	1	High	0.09	0.196	21.02	21.50	1.117	0.219	/
	State8		Back Side	10	132072	1720	1	High	0.05	0.241	21.02	21.50	1.117	0.269	/
	State8		Left Edge	10	132072	1720	1	High	-0.06	0.050	21.02	21.50	1.117	0.056	/
	State8		Right Edge	10	132072	1720	1	High	-0.04	0.060	21.02	21.50	1.117	0.067	/
	State8		Bottom Edge	10	132072	1720	1	High	-0.01	0.411	21.02	21.50	1.117	0.459	/
	State8		Front Side	10	132072	1720	50	High	0.00	0.201	20.93	21.50	1.140	0.229	/
	State8		Back Side	10	132072	1720	50	High	-0.03	0.254	20.93	21.50	1.140	0.290	/
	State8		Left Edge	10	132072	1720	50	High	0.00	0.052	20.93	21.50	1.140	0.059	/
	State8		Right Edge	10	132072	1720	50	High	0.03	0.063	20.93	21.50	1.140	0.072	/
	State8		Bottom Edge	10	132072	1720	50	High	0.02	0.412	20.93	21.50	1.140	0.470	/

10.23 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															
	State5		Left Cheek	0	38150	2610	1	Mid	0.05	0.640	20.45	20.80	1.084	0.694	/
	State5		Left Tilt	0	38150	2610	1	Mid	0.02	0.921	20.45	20.80	1.084	0.998	/
	State5		Right Cheek	0	38150	2610	1	Mid	-0.06	0.924	20.45	20.80	1.084	1.002	/
	State5		Right Tilt	0	38150	2610	1	Mid	-0.10	0.952	20.45	20.80	1.084	1.032	/
	State5		Left Cheek	0	38150	2610	50	High	-0.10	0.626	20.55	20.80	1.059	0.663	/
	State5		Left Tilt	0	38150	2610	50	High	0.00	0.897	20.55	20.80	1.059	0.950	/
	State5		Right Cheek	0	38150	2610	50	High	0.04	0.897	20.55	20.80	1.059	0.950	/
	State5		Right Tilt	0	38150	2610	50	High	0.07	0.984	20.55	20.80	1.059	1.042	/
	State5		Left Tilt	0	37850	2580	1	High	-0.12	0.885	20.25	20.80	1.135	1.004	/
	State5		Left Tilt	0	38000	2595	1	High	-0.10	0.869	20.41	20.80	1.094	0.951	/
	State5		Left Tilt	0	37850	2580	50	High	-0.03	0.892	20.36	20.80	1.107	0.987	/
Ant.3	State5	QPSK	Left Tilt	0	38000	2595	50	High	-0.06	0.864	20.44	20.80	1.086	0.938	/
	State5		Left Tilt	0	38150	2610	100	Low	0.08	0.880	20.44	20.80	1.086	0.956	/
	State5		Right Cheek	0	37850	2580	1	High	-0.09	0.904	20.25	20.80	1.135	1.026	/
	State5		Right Cheek	0	38000	2595	1	High	-0.09	0.876	20.41	20.80	1.094	0.958	/
	State5		Right Cheek	0	37850	2580	50	High	0.03	0.915	20.36	20.80	1.107	1.013	/
	State5		Right Cheek	0	38000	2595	50	High	0.13	0.893	20.44	20.80	1.086	0.970	/
	State5		Right Cheek	0	38150	2610	100	Low	-0.11	0.905	20.44	20.80	1.086	0.983	/
	State5		Right Tilt	0	37850	2580	1	High	-0.08	0.994	20.25	20.80	1.135	**1.128**	61#
	State5		Right Tilt	0	38000	2595	1	High	-0.04	0.967	20.41	20.80	1.094	1.058	/
	State5		Right Tilt	0	37850	2580	50	High	-0.05	1.010	20.36	20.80	1.107	1.118	/
	State5		Right Tilt	0	38000	2595	50	High	-0.01	0.984	20.44	20.80	1.086	1.069	/
	State5		Right Tilt	0	38150	2610	100	Low	0.08	0.999	20.44	20.80	1.086	1.085	/
	State10		Left Cheek	0	38150	2610	1	High	-0.08	0.446	19.15	19.30	1.035	0.462	/
	State10		Left Tilt	0	38150	2610	1	High	0.03	0.643	19.15	19.30	1.035	0.666	/
	State10		Right Cheek	0	38150	2610	1	High	0.11	0.651	19.15	19.30	1.035	0.674	/
	State10		Right Tilt	0	38150	2610	1	High	0.09	0.665	19.15	19.30	1.035	0.688	/
Ant.3	State10	QPSK	Left Cheek	0	38150	2610	50	High	0.08	0.434	19.18	19.30	1.028	0.446	/
	State10		Left Tilt	0	38150	2610	50	High	-0.03	0.619	19.18	19.30	1.028	0.636	/
	State10		Right Cheek	0	38150	2610	50	High	0.10	0.630	19.18	19.30	1.028	0.648	/
	State10		Right Tilt	0	38150	2610	50	High	0.10	0.684	19.18	19.30	1.028	0.703	/
	State5		Left Cheek	0	38150	2610	1	High	0.01	0.635	21.77	22.50	1.183	0.751	/
	State5		Left Tilt	0	38150	2610	1	High	0.10	0.680	21.77	22.50	1.183	0.804	/
Ant.5	State5	QPSK	Right Cheek	0	38150	2610	1	High	0.10	0.410	21.77	22.50	1.183	0.485	/
	State5		Right Tilt	0	38150	2610	1	High	0.03	0.453	21.77	22.50	1.183	0.536	/
	State5		Left Cheek	0	37850	2580	50	Mid	0.05	0.493	20.83	21.50	1.167	0.575	/

	State5		Left Tilt	0	37850	2580	50	Mid	0.07	0.514	20.83	21.50	1.167	0.600	/
	State5		Right Cheek	0	37850	2580	50	Mid	-0.01	0.297	20.83	21.50	1.167	0.347	/
	State5		Right Tilt	0	37850	2580	50	Mid	0.10	0.346	20.83	21.50	1.167	0.404	/
	State5		Left Tilt	0	37850	2580	1	High	0.11	0.650	21.69	22.50	1.205	0.783	/
	State5		Left Tilt	0	38000	2595	1	Low	0.07	0.685	21.71	22.50	1.199	0.821	/
	State5		Left Tilt	0	37850	2580	100	Low	-0.12	0.504	20.78	21.50	1.180	0.595	/
Ant.5	State10	QPSK	Left Cheek	0	38150	2610	1	High	-0.06	0.506	20.98	21.50	1.127	0.570	/
	State10		Left Tilt	0	38150	2610	1	High	0.02	0.542	20.98	21.50	1.127	0.611	/
	State10		Right Cheek	0	38150	2610	1	High	0.11	0.325	20.98	21.50	1.127	0.366	/
	State10		Right Tilt	0	38150	2610	1	High	-0.01	0.361	20.98	21.50	1.127	0.407	/
	State10		Left Cheek	0	38000	2595	50	High	0.11	0.490	20.73	21.50	1.194	0.585	/
	State10		Left Tilt	0	38000	2595	50	High	-0.07	0.510	20.73	21.50	1.194	0.609	/
	State10		Right Cheek	0	38000	2595	50	High	0.05	0.295	20.73	21.50	1.194	0.352	/
	State10		Right Tilt	0	38000	2595	50	High	-0.12	0.348	20.73	21.50	1.194	0.416	/
Ant.4	State5&10	QPSK	Left Cheek	0	38150	2610	1	High	-0.11	0.120	24.78	25.00	1.052	0.126	/
	State5&10		Left Tilt	0	38150	2610	1	High	0.03	0.043	24.78	25.00	1.052	0.045	/
	State5&10		Right Cheek	0	38150	2610	1	High	-0.08	0.089	24.78	25.00	1.052	0.094	/
	State5&10		Right Tilt	0	38150	2610	1	High	-0.04	0.070	24.78	25.00	1.052	0.074	/
	State5&10		Left Cheek	0	37850	2580	50	Mid	0.04	0.094	23.68	24.00	1.076	0.101	/
	State5&10		Left Tilt	0	37850	2580	50	Mid	-0.10	0.037	23.68	24.00	1.076	0.040	/
	State5&10		Right Cheek	0	37850	2580	50	Mid	-0.10	0.072	23.68	24.00	1.076	0.077	/
	State5&10		Right Tilt	0	37850	2580	50	Mid	0.04	0.056	23.68	24.00	1.076	0.060	/
Body-worn															
Ant.3	State3	QPSK	Front Side	15	38150	2610	1	High	-0.11	0.201	22.79	22.80	1.002	0.201	/
	State3		Back Side	15	38150	2610	1	High	-0.02	0.267	22.79	22.80	1.002	**0.268**	62#
	State3		Front Side	15	38000	2595	50	Mid	0.02	0.201	22.69	22.80	1.026	0.206	/
	State3		Back Side	15	38000	2595	50	Mid	-0.12	0.255	22.69	22.80	1.026	0.262	/
Ant.3	State8	QPSK	Front Side	15	38150	2610	1	Low	0.07	0.140	21.17	21.30	1.030	0.144	/
	State8		Back Side	15	38150	2610	1	Low	0.13	0.198	21.17	21.30	1.030	0.204	/
	State8		Front Side	15	38150	2610	50	High	0.05	0.145	21.25	21.30	1.012	0.147	/
	State8		Back Side	15	38150	2610	50	High	0.11	0.200	21.25	21.30	1.012	0.202	/
Ant.5	State3	QPSK	Front Side	15	38150	2610	1	High	0.12	0.120	21.77	22.50	1.183	0.142	/
	State3		Back Side	15	38150	2610	1	High	-0.10	0.173	21.77	22.50	1.183	0.205	/
	State3		Front Side	15	37850	2580	50	Mid	-0.01	0.098	20.83	21.50	1.167	0.114	/
	State3		Back Side	15	37850	2580	50	Mid	0.13	0.141	20.83	21.50	1.167	0.165	/
Ant.5	State8	QPSK	Front Side	15	37850	2580	1	Low	-0.09	0.109	21.77	22.00	1.054	0.115	/
	State8		Back Side	15	37850	2580	1	Low	0.01	0.156	21.77	22.00	1.054	0.164	/
	State8		Front Side	15	37850	2580	50	Mid	-0.05	0.096	20.83	21.50	1.167	0.112	/
	State8		Back Side	15	37850	2580	50	Mid	0.11	0.138	20.83	21.50	1.167	0.161	/
Ant.4	State3	QPSK	Front Side	15	38150	2610	1	High	-0.10	0.128	24.78	25.00	1.052	0.135	/
	State3		Back Side	15	38150	2610	1	High	0.06	0.195	24.78	25.00	1.052	0.205	/
	State3		Front Side	15	37850	2580	50	Mid	-0.08	0.101	23.68	24.00	1.076	0.109	/

	State3		Back Side	15	37850	2580	50	Mid	-0.09	0.150	23.68	24.00	1.076	0.161	/
Ant.4	State8	QPSK	Front Side	15	38150	2610	1	High	0.02	0.100	23.82	24.00	1.042	0.104	/
	State8		Back Side	15	38150	2610	1	High	0.00	0.152	23.82	24.00	1.042	0.158	/
	State8		Front Side	15	37850	2580	50	Mid	-0.10	0.098	23.69	24.00	1.074	0.105	/
	State8		Back Side	15	37850	2580	50	Mid	0.03	0.148	23.69	24.00	1.074	0.159	/
Hotspot															
Ant.3	State8	QPSK	Front Side	10	38150	2610	1	Low	0.05	0.139	21.17	21.30	1.030	0.143	/
	State8		Back Side	10	38150	2610	1	Low	-0.03	0.208	21.17	21.30	1.030	0.214	/
	State8		Right Edge	10	38150	2610	1	Low	-0.01	0.069	21.17	21.30	1.030	0.071	/
	State8		Top Edge	10	38150	2610	1	Low	-0.04	0.369	21.17	21.30	1.030	**0.380**	63#
	State8		Front Side	10	38150	2610	50	High	0.06	0.152	21.25	21.30	1.012	0.154	/
	State8		Back Side	10	38150	2610	50	High	-0.06	0.191	21.25	21.30	1.012	0.193	/
	State8		Right Edge	10	38150	2610	50	High	-0.03	0.068	21.25	21.30	1.012	0.069	/
	State8		Top Edge	10	38150	2610	50	High	0.09	0.371	21.25	21.30	1.012	0.375	/
Ant.5	State8	QPSK	Front Side	10	37850	2580	1	Low	-0.02	0.108	21.77	22.00	1.054	0.114	/
	State8		Back Side	10	37850	2580	1	Low	0.08	0.157	21.77	22.00	1.054	0.165	/
	State8		Left Edge	10	37850	2580	1	Low	0.11	0.034	21.77	22.00	1.054	0.036	/
	State8		Top Edge	10	37850	2580	1	Low	0.11	0.335	21.77	22.00	1.054	0.353	/
	State8		Front Side	10	37850	2580	50	Mid	-0.01	0.094	20.83	21.50	1.167	0.110	/
	State8		Back Side	10	37850	2580	50	Mid	0.06	0.127	20.83	21.50	1.167	0.148	/
	State8		Left Edge	10	37850	2580	50	Mid	-0.01	0.025	20.83	21.50	1.167	0.029	/
	State8		Top Edge	10	37850	2580	50	Mid	0.08	0.286	20.83	21.50	1.167	0.334	/
Ant.4	State8	QPSK	Front Side	10	38150	2610	1	High	0.08	0.168	23.82	24.00	1.042	0.175	/
	State8		Back Side	10	38150	2610	1	High	-0.02	0.255	23.82	24.00	1.042	0.266	/
	State8		Left Edge	10	38150	2610	1	High	-0.05	0.039	23.82	24.00	1.042	0.041	/
	State8		Right Edge	10	38150	2610	1	High	-0.04	0.068	23.82	24.00	1.042	0.071	/
	State8		Bottom Edge	10	38150	2610	1	High	-0.09	0.319	23.82	24.00	1.042	0.332	/
	State8		Front Side	10	37850	2580	50	Mid	-0.11	0.164	23.69	24.00	1.074	0.176	/
	State8		Back Side	10	37850	2580	50	Mid	0.00	0.254	23.69	24.00	1.074	0.273	/
	State8		Left Edge	10	37850	2580	50	Mid	0.05	0.040	23.69	24.00	1.074	0.043	/
	State8		Right Edge	10	37850	2580	50	Mid	0.12	0.067	23.69	24.00	1.074	0.072	/
	State8		Bottom Edge	10	37850	2580	50	Mid	0.11	0.308	23.69	24.00	1.074	0.331	/

10.24 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	QPSK	Right Tilt	0	37850 +38048	2580 +2599.8	1+1	High +Low	0.06	0.925	20.21	20.80	1.146	1.060	/
Body-worn-CA															
Ant.3	State3	QPSK	Back Side	15	38150 +37952	2610 +2590.2	1+1	Low +High	0.05	0.250	22.64	22.80	1.038	0.260	/
Hotspot-CA															
Ant.3	State8	QPSK	Top Edge	10	38150 +37952	2610 +2590.2	1+1	Low +High	-0.03	0.349	21.12	21.30	1.042	0.364	/

10.25 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															
	State5		Left Cheek	0	41490	2680	1	High	0.03	0.561	21.03	21.30	1.064	0.597	/
	State5		Left Tilt	0	41490	2680	1	High	-0.03	0.852	21.03	21.30	1.064	0.907	/
	State5		Right Cheek	0	41490	2680	1	High	0.06	0.928	21.03	21.30	1.064	0.987	/
	State5		Right Tilt	0	41490	2680	1	High	-0.06	1.010	21.03	21.30	1.064	1.075	/
	State5		Left Cheek	0	41490	2680	50	Mid	0.13	0.554	21.01	21.30	1.069	0.592	/
	State5		Left Tilt	0	41490	2680	50	Mid	-0.03	0.805	21.01	21.30	1.069	0.861	/
	State5		Right Cheek	0	41490	2680	50	Mid	-0.12	0.906	21.01	21.30	1.069	0.969	/
	State5		Right Tilt	0	41490	2680	50	Mid	0.02	1.050	21.01	21.30	1.069	1.122	/
	State5		Left Tilt	0	39750	2506	1	High	0.01	0.875	20.35	21.30	1.245	1.089	/
	State5		Left Tilt	0	40185	2549.5	1	High	-0.12	0.802	20.69	21.30	1.151	0.923	/
	State5		Left Tilt	0	40620	2593	1	High	0.09	0.848	20.62	21.30	1.169	0.991	/
	State5		Left Tilt	0	41055	2636.5	1	High	-0.09	0.801	20.81	21.30	1.119	0.896	/
	State5		Left Tilt	0	39750	2506	50	Mid	-0.07	0.791	20.58	21.30	1.180	0.933	/
	State5		Left Tilt	0	40185	2549.5	50	Mid	-0.09	0.830	20.63	21.30	1.167	0.969	/
	State5		Left Tilt	0	40620	2593	50	High	0.08	0.835	20.65	21.30	1.161	0.969	/
	State5		Left Tilt	0	41055	2636.5	50	High	0.04	0.786	20.80	21.30	1.122	0.882	/
	State5		Left Tilt	0	41490	2680	100	Low	-0.14	0.795	20.95	21.30	1.084	0.862	/
Ant.3	State5	QPSK	Right Cheek	0	39750	2506	1	High	-0.05	0.902	20.35	21.30	1.245	1.123	/
	State5		Right Cheek	0	40185	2549.5	1	High	0.10	0.826	20.69	21.30	1.151	0.951	/
	State5		Right Cheek	0	40620	2593	1	High	-0.14	0.859	20.62	21.30	1.169	1.004	/
	State5		Right Cheek	0	41055	2636.5	1	High	0.09	0.841	20.81	21.30	1.119	0.941	/
	State5		Right Cheek	0	39750	2506	50	Mid	0.12	0.819	20.58	21.30	1.180	0.966	/
	State5		Right Cheek	0	40185	2549.5	50	Mid	-0.09	0.854	20.63	21.30	1.167	0.997	/
	State5		Right Cheek	0	40620	2593	50	High	0.05	0.860	20.65	21.30	1.161	0.998	/
	State5		Right Cheek	0	41055	2636.5	50	High	0.07	0.828	20.80	21.30	1.122	0.929	/
	State5		Right Cheek	0	41490	2680	100	Low	0.00	0.830	20.95	21.30	1.084	0.900	/
	State5		Right Tilt	0	39750	2506	1	High	0.01	0.956	20.35	21.30	1.245	1.190	/
	State5		Right Tilt	0	40185	2549.5	1	High	0.10	1.020	20.69	21.30	1.151	1.174	/
	State5		Right Tilt	0	40620	2593	1	High	-0.02	0.960	20.62	21.30	1.169	1.122	/
	State5		Right Tilt	0	41055	2636.5	1	High	0.09	0.945	20.81	21.30	1.119	1.057	/
	State5		Right Tilt	0	39750	2506	50	Mid	0.09	1.010	20.58	21.30	1.180	**1.192**	64#
	State5		Right Tilt	0	40185	2549.5	50	Mid	0.13	0.993	20.63	21.30	1.167	1.159	/
	State5		Right Tilt	0	40620	2593	50	High	-0.03	0.946	20.65	21.30	1.161	1.098	/
	State5		Right Tilt	0	41055	2636.5	50	High	-0.12	0.958	20.80	21.30	1.122	1.075	/
	State5		Right Tilt	0	41490	2680	100	Low	0.02	0.987	20.95	21.30	1.084	1.070	/
Ant.3	State10	QPSK	Left Cheek	0	41490	2680	1	High	0.10	0.456	19.97	20.30	1.079	0.492	/

	State10		Left Tilt	0	41490	2680	1	High	-0.01	0.672	19.97	20.30	1.079	0.725	/
	State10		Right Cheek	0	41490	2680	1	High	-0.12	0.738	19.97	20.30	1.079	0.796	/
	State10		Right Tilt	0	41490	2680	1	High	0.07	0.806	19.97	20.30	1.079	0.870	/
	State10		Left Cheek	0	41490	2680	50	Mid	0.11	0.445	19.99	20.30	1.074	0.478	/
	State10		Left Tilt	0	41490	2680	50	Mid	-0.05	0.648	19.99	20.30	1.074	0.696	/
	State10		Right Cheek	0	41490	2680	50	Mid	0.07	0.729	19.99	20.30	1.074	0.783	/
	State10		Right Tilt	0	41490	2680	50	Mid	-0.03	0.836	19.99	20.30	1.074	0.898	/
	State10		Right Tilt	0	39750	2506	1	High	-0.10	0.762	19.37	20.30	1.239	0.944	/
	State10		Right Tilt	0	40185	2549.5	1	High	0.01	0.813	19.58	20.30	1.180	0.959	/
	State10		Right Tilt	0	40620	2593	1	Low	0.09	0.770	19.68	20.30	1.153	0.888	/
	State10		Right Tilt	0	41055	2636.5	1	Low	0.01	0.761	19.81	20.30	1.119	0.852	/
	State10		Right Tilt	0	39750	2506	50	Mid	-0.12	0.805	19.42	20.30	1.225	0.986	/
	State10		Right Tilt	0	40185	2549.5	50	Mid	-0.03	0.801	19.67	20.30	1.156	0.926	/
	State10		Right Tilt	0	40620	2593	50	Mid	0.04	0.784	19.63	20.30	1.167	0.915	/
	State10		Right Tilt	0	41055	2636.5	50	High	-0.11	0.780	19.80	20.30	1.122	0.875	/
	State10		Right Tilt	0	41490	2680	100	Low	0.02	0.779	19.98	20.30	1.076	0.838	/
Ant.5	State5	QPSK	Left Cheek	0	40620	2593	1	Low	-0.07	0.499	21.42	22.00	1.143	0.570	/
	State5		Left Tilt	0	40620	2593	1	Low	0.01	0.597	21.42	22.00	1.143	0.682	/
	State5		Right Cheek	0	40620	2593	1	Low	0.11	0.307	21.42	22.00	1.143	0.351	/
	State5		Right Tilt	0	40620	2593	1	Low	0.03	0.357	21.42	22.00	1.143	0.408	/
	State5		Left Cheek	0	40185	2549.5	50	Mid	-0.04	0.488	20.93	21.50	1.140	0.556	/
	State5		Left Tilt	0	40185	2549.5	50	Mid	0.02	0.516	20.93	21.50	1.140	0.588	/
	State5		Right Cheek	0	40185	2549.5	50	Mid	-0.11	0.304	20.93	21.50	1.140	0.347	/
	State5		Right Tilt	0	40185	2549.5	50	Mid	-0.03	0.378	20.93	21.50	1.140	0.431	/
Ant.5	State10	QPSK	Left Cheek	0	40185	2549.5	1	Mid	-0.04	0.394	19.98	20.50	1.127	0.444	/
	State10		Left Tilt	0	40185	2549.5	1	Mid	-0.12	0.474	19.98	20.50	1.127	0.534	/
	State10		Right Cheek	0	40185	2549.5	1	Mid	0.04	0.246	19.98	20.50	1.127	0.277	/
	State10		Right Tilt	0	40185	2549.5	1	Mid	0.00	0.283	19.98	20.50	1.127	0.319	/
	State10		Left Cheek	0	40185	2549.5	50	Mid	0.10	0.387	19.97	20.50	1.130	0.437	/
	State10		Left Tilt	0	40185	2549.5	50	Mid	0.04	0.405	19.97	20.50	1.130	0.458	/
	State10		Right Cheek	0	40185	2549.5	50	Mid	0.04	0.246	19.97	20.50	1.130	0.278	/
	State10		Right Tilt	0	40185	2549.5	50	Mid	0.06	0.303	19.97	20.50	1.130	0.342	/
Ant.4	State5&10	QPSK	Left Cheek	0	39750	2506	1	High	-0.05	0.117	24.71	25.00	1.069	0.125	/
	State5&10		Left Tilt	0	39750	2506	1	High	0.13	0.038	24.71	25.00	1.069	0.041	/
	State5&10		Right Cheek	0	39750	2506	1	High	0.12	0.086	24.71	25.00	1.069	0.092	/
	State5&10		Right Tilt	0	39750	2506	1	High	-0.01	0.069	24.71	25.00	1.069	0.074	/
	State5&10		Left Cheek	0	41490	2680	50	High	0.12	0.093	23.83	24.00	1.040	0.097	/
	State5&10		Left Tilt	0	41490	2680	50	High	0.13	0.032	23.83	24.00	1.040	0.033	/
	State5&10		Right Cheek	0	41490	2680	50	High	0.13	0.066	23.83	24.00	1.040	0.069	/
	State5&10		Right Tilt	0	41490	2680	50	High	-0.05	0.056	23.83	24.00	1.040	0.058	/
Body-worn															
Ant.3	State3	QPSK	Front Side	15	41490	2680	1	Mid	-0.10	0.173	23.52	23.80	1.067	0.185	/
	State3		Back Side	15	41490	2680	1	Mid	-0.06	0.304	23.52	23.80	1.067	**0.324**	65#

	State3		Front Side	15	41490	2680	50	High	0.10	0.171	23.51	23.80	1.069	0.183	/
	State3		Back Side	15	41490	2680	50	High	-0.04	0.301	23.51	23.80	1.069	0.322	/
Ant.3	State8	QPSK	Front Side	15	41490	2680	1	High	0.07	0.126	22.05	22.30	1.059	0.133	/
	State8		Back Side	15	41490	2680	1	High	-0.01	0.223	22.05	22.30	1.059	0.236	/
	State8		Front Side	15	41490	2680	50	Mid	-0.09	0.125	22.06	22.30	1.057	0.132	/
	State8		Back Side	15	41490	2680	50	Mid	0.08	0.221	22.06	22.30	1.057	0.234	/
Ant.5	State3&8	QPSK	Front Side	15	40620	2593	1	High	-0.09	0.081	21.92	22.50	1.143	0.093	/
	State3&8		Back Side	15	40620	2593	1	High	0.00	0.108	21.92	22.50	1.143	0.123	/
	State3&8		Front Side	15	40185	2549.5	50	Mid	0.05	0.079	21.15	21.50	1.084	0.086	/
	State3&8		Back Side	15	40185	2549.5	50	Mid	-0.06	0.108	21.15	21.50	1.084	0.117	/
Ant.4	State3	QPSK	Front Side	15	39750	2506	1	High	0.03	0.112	24.71	25.00	1.069	0.120	/
	State3		Back Side	15	39750	2506	1	High	0.03	0.176	24.71	25.00	1.069	0.188	/
	State3		Front Side	15	41490	2680	50	High	0.00	0.110	23.83	24.00	1.040	0.114	/
	State3		Back Side	15	41490	2680	50	High	0.10	0.173	23.83	24.00	1.040	0.180	/
Ant.4	State8	QPSK	Front Side	15	41490	2680	1	High	-0.04	0.103	23.87	24.50	1.156	0.119	/
	State8		Back Side	15	41490	2680	1	High	0.08	0.158	23.87	24.50	1.156	0.183	/
	State8		Front Side	15	41490	2680	50	High	-0.12	0.096	23.87	24.00	1.030	0.099	/
	State8		Back Side	15	41490	2680	50	High	-0.02	0.149	23.87	24.00	1.030	0.153	/
Hotspot															
Ant.3	State8	QPSK	Front Side	10	41490	2680	1	High	-0.09	0.130	22.05	22.30	1.059	0.138	/
	State8		Back Side	10	41490	2680	1	High	0.10	0.166	22.05	22.30	1.059	0.176	/
	State8		Right Edge	10	41490	2680	1	High	-0.04	0.055	22.05	22.30	1.059	0.058	/
	State8		Top Edge	10	41490	2680	1	High	-0.09	0.310	22.05	22.30	1.059	0.328	/
	State8		Front Side	10	41490	2680	50	Mid	-0.10	0.137	22.06	22.30	1.057	0.145	/
	State8		Back Side	10	41490	2680	50	Mid	-0.10	0.167	22.06	22.30	1.057	0.177	/
	State8		Right Edge	10	41490	2680	50	Mid	0.07	0.060	22.06	22.30	1.057	0.063	/
	State8		Top Edge	10	41490	2680	50	Mid	0.13	0.326	22.06	22.30	1.057	0.345	/
Ant.5	State8	QPSK	Front Side	10	40620	2593	1	High	0.11	0.127	21.92	22.50	1.143	0.145	/
	State8		Back Side	10	40620	2593	1	High	0.11	0.162	21.92	22.50	1.143	0.185	/
	State8		Left Edge	10	40620	2593	1	High	0.09	0.037	21.92	22.50	1.143	0.042	/
	State8		Top Edge	10	40620	2593	1	High	-0.02	0.375	21.92	22.50	1.143	**0.429**	66#
	State8		Front Side	10	40185	2549.5	50	Mid	0.08	0.132	21.15	21.50	1.084	0.143	/
	State8		Back Side	10	40185	2549.5	50	Mid	0.11	0.167	21.15	21.50	1.084	0.181	/
	State8		Left Edge	10	40185	2549.5	50	Mid	0.06	0.032	21.15	21.50	1.084	0.035	/
	State8		Top Edge	10	40185	2549.5	50	Mid	0.02	0.354	21.15	21.50	1.084	0.384	/
Ant.4	State8	QPSK	Front Side	10	41490	2680	1	High	0.02	0.151	23.87	24.50	1.156	0.175	/
	State8		Back Side	10	41490	2680	1	High	0.11	0.229	23.87	24.50	1.156	0.265	/
	State8		Left Edge	10	41490	2680	1	High	-0.02	0.032	23.87	24.50	1.156	0.037	/
	State8		Right Edge	10	41490	2680	1	High	-0.08	0.059	23.87	24.50	1.156	0.068	/
	State8		Bottom Edge	10	41490	2680	1	High	-0.09	0.264	23.87	24.50	1.156	0.305	/
	State8		Front Side	10	41490	2680	50	High	0.03	0.157	23.87	24.00	1.030	0.162	/
	State8		Back Side	10	41490	2680	50	High	-0.11	0.246	23.87	24.00	1.030	0.253	/
	State8		Left Edge	10	41490	2680	50	High	0.07	0.048	23.87	24.00	1.030	0.049	/

	State8		Right Edge	10	41490	2680	50	High	-0.04	0.064	23.87	24.00	1.030	0.066	/
	State8		Bottom Edge	10	41490	2680	50	High	-0.10	0.304	23.87	24.00	1.030	0.313	/

10.26 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	QPSK	Right Tilt	0	39750 +39948	2506 +2525.8	1+1	High +Low	-0.11	0.892	20.15	21.30	1.303	1.162	/
Body-worn-CA															
Ant.3	State3	QPSK	Back Side	15	41490 +41292	2680 +2660.2	1+1	Low +High	0.09	0.258	22.97	23.80	1.211	0.312	/
Hotspot-CA															
Ant.5	State8	QPSK	Top Edge	10	40620 +40818	2593 +2612.8	1+1	High +Low	0.01	0.321	21.29	22.50	1.321	0.424	/

10.27 LTE Band 41 (20MHz Bandwidth)-HPUE

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															
	State5		Left Cheek	0	41490	2680	1	High	-0.14	0.543	22.70	23.10	1.096	0.595	/
	State5		Left Tilt	0	41490	2680	1	High	0.14	0.839	22.70	23.10	1.096	0.920	/
	State5		Right Cheek	0	41490	2680	1	High	-0.01	0.901	22.70	23.10	1.096	0.987	/
	State5		Right Tilt	0	41490	2680	1	High	0.02	0.956	22.70	23.10	1.096	1.048	/
	State5		Left Cheek	0	41490	2680	50	High	0.12	0.528	22.71	23.10	1.094	0.578	/
	State5		Left Tilt	0	41490	2680	50	High	0.02	0.786	22.71	23.10	1.094	0.860	/
	State5		Right Cheek	0	41490	2680	50	High	-0.04	0.876	22.71	23.10	1.094	0.958	/
	State5		Right Tilt	0	41490	2680	50	High	-0.01	1.030	22.71	23.10	1.094	**1.127**	67#
	State5		Left Tilt	0	39750	2506	1	Low	-0.03	0.854	21.92	23.10	1.312	1.120	/
	State5		Left Tilt	0	40185	2549.5	1	High	-0.05	0.786	22.23	23.10	1.222	0.960	/
	State5		Left Tilt	0	40620	2593	1	High	0.01	0.829	22.39	23.10	1.178	0.977	/
	State5		Left Tilt	0	41055	2636.5	1	High	0.12	0.805	22.61	23.10	1.119	0.901	/
	State5		Left Tilt	0	39750	2506	50	High	0.03	0.810	22.28	23.10	1.208	0.978	/
	State5		Left Tilt	0	40185	2549.5	50	High	0.00	0.806	22.34	23.10	1.191	0.960	/
	State5		Left Tilt	0	40620	2593	50	High	0.09	0.828	22.34	23.10	1.191	0.986	/
	State5		Left Tilt	0	41055	2636.5	50	High	-0.06	0.796	22.56	23.10	1.132	0.901	/
	State5		Left Tilt	0	41490	2680	100	Low	0.00	0.803	22.70	23.10	1.096	0.880	/
Ant.3	State5	QPSK	Right Cheek	0	39750	2506	1	Low	0.08	0.853	21.92	23.10	1.312	1.119	/
	State5		Right Cheek	0	40185	2549.5	1	High	-0.09	0.839	22.23	23.10	1.222	1.025	/
	State5		Right Cheek	0	40620	2593	1	High	-0.14	0.885	22.39	23.10	1.178	1.043	/
	State5		Right Cheek	0	41055	2636.5	1	High	0.10	0.860	22.61	23.10	1.119	0.962	/
	State5		Right Cheek	0	39750	2506	50	High	0.04	0.858	22.28	23.10	1.208	1.036	/
	State5		Right Cheek	0	40185	2549.5	50	High	-0.11	0.849	22.34	23.10	1.191	1.011	/
	State5		Right Cheek	0	40620	2593	50	High	-0.06	0.890	22.34	23.10	1.191	1.060	/
	State5		Right Cheek	0	41055	2636.5	50	High	-0.13	0.852	22.56	23.10	1.132	0.964	/
	State5		Right Cheek	0	41490	2680	100	Low	-0.07	0.854	22.70	23.10	1.096	0.936	/
	State5		Right Tilt	0	39750	2506	1	Low	0.03	0.851	21.92	23.10	1.312	1.117	/
	State5		Right Tilt	0	40185	2549.5	1	High	-0.02	0.872	22.23	23.10	1.222	1.066	/
	State5		Right Tilt	0	40620	2593	1	High	-0.07	0.938	22.39	23.10	1.178	1.105	/
	State5		Right Tilt	0	41055	2636.5	1	High	-0.05	0.916	22.61	23.10	1.119	1.025	/
	State5		Right Tilt	0	39750	2506	50	High	0.04	0.930	22.28	23.10	1.208	1.123	/
	State5		Right Tilt	0	40185	2549.5	50	High	-0.01	0.907	22.34	23.10	1.191	1.080	/
	State5		Right Tilt	0	40620	2593	50	High	-0.04	0.936	22.34	23.10	1.191	1.115	/
	State5		Right Tilt	0	41055	2636.5	50	High	-0.13	0.914	22.56	23.10	1.132	1.035	/
	State5		Right Tilt	0	41490	2680	100	Low	-0.02	0.910	22.70	23.10	1.096	0.997	/
Ant.3	State10	QPSK	Left Cheek	0	41490	2680	1	High	0.06	0.409	21.64	22.10	1.112	0.455	/

	State10		Left Tilt	0	41490	2680	1	High	0.16	0.601	21.64	22.10	1.112	0.668	/
	State10		Right Cheek	0	41490	2680	1	High	0.09	0.661	21.64	22.10	1.112	0.735	/
	State10		Right Tilt	0	41490	2680	1	High	0.15	0.719	21.64	22.10	1.112	0.800	/
	State10		Left Cheek	0	41490	2680	50	Mid	0.07	0.398	21.66	22.10	1.107	0.441	/
	State10		Left Tilt	0	41490	2680	50	Mid	-0.11	0.575	21.66	22.10	1.107	0.637	/
	State10		Right Cheek	0	41490	2680	50	Mid	0.01	0.642	21.66	22.10	1.107	0.711	/
	State10		Right Tilt	0	41490	2680	50	Mid	0.08	0.740	21.66	22.10	1.107	0.819	/
	State10		Right Tilt	0	39750	2506	1	High	0.16	0.668	21.03	22.10	1.279	0.854	/
	State10		Right Tilt	0	40185	2549.5	1	High	-0.10	0.723	21.19	22.10	1.233	0.891	/
	State10		Right Tilt	0	40620	2593	1	High	0.16	0.681	21.31	22.10	1.199	0.817	/
	State10		Right Tilt	0	41055	2636.5	1	High	0.02	0.675	21.47	22.10	1.156	0.780	/
	State10		Right Tilt	0	39750	2506	50	Mid	-0.15	0.719	21.10	22.10	1.259	0.905	/
	State10		Right Tilt	0	40185	2549.5	50	Mid	0.06	0.716	21.36	22.10	1.186	0.849	/
	State10		Right Tilt	0	40620	2593	50	Mid	0.01	0.702	21.37	22.10	1.183	0.830	/
	State10		Right Tilt	0	41055	2636.5	50	High	-0.04	0.704	21.49	22.10	1.151	0.810	/
	State10		Right Tilt	0	41490	2680	100	Low	0.11	0.701	21.65	22.10	1.109	0.777	/
Ant.5	State5	QPSK	Left Cheek	0	40185	2549.5	1	Mid	0.08	0.446	23.11	23.80	1.172	0.523	/
	State5		Left Tilt	0	40185	2549.5	1	Mid	0.05	0.531	23.11	23.80	1.172	0.622	/
	State5		Right Cheek	0	40185	2549.5	1	Mid	-0.02	0.275	23.11	23.80	1.172	0.322	/
	State5		Right Tilt	0	40185	2549.5	1	Mid	-0.10	0.319	23.11	23.80	1.172	0.374	/
	State5		Left Cheek	0	40185	2549.5	50	Mid	-0.03	0.432	22.28	22.80	1.127	0.487	/
	State5		Left Tilt	0	40185	2549.5	50	Mid	0.02	0.458	22.28	22.80	1.127	0.516	/
	State5		Right Cheek	0	40185	2549.5	50	Mid	0.00	0.270	22.28	22.80	1.127	0.304	/
	State5		Right Tilt	0	40185	2549.5	50	Mid	-0.13	0.336	22.28	22.80	1.127	0.379	/
Ant.5	State10	QPSK	Left Cheek	0	40185	2549.5	1	Mid	0.09	0.348	22.19	22.80	1.151	0.401	/
	State10		Left Tilt	0	40185	2549.5	1	Mid	-0.01	0.421	22.19	22.80	1.151	0.485	/
	State10		Right Cheek	0	40185	2549.5	1	Mid	0.08	0.218	22.19	22.80	1.151	0.251	/
	State10		Right Tilt	0	40185	2549.5	1	Mid	0.14	0.253	22.19	22.80	1.151	0.291	/
	State10		Left Cheek	0	40185	2549.5	50	Mid	-0.07	0.340	22.22	22.80	1.143	0.389	/
	State10		Left Tilt	0	40185	2549.5	50	Mid	0.13	0.358	22.22	22.80	1.143	0.409	/
	State10		Right Cheek	0	40185	2549.5	50	Mid	0.09	0.218	22.22	22.80	1.143	0.249	/
	State10		Right Tilt	0	40185	2549.5	50	Mid	0.00	0.269	22.22	22.80	1.143	0.307	/
Ant.4	State5&10	QPSK	Left Cheek	0	39750	2506	1	High	-0.15	0.106	26.07	26.30	1.054	0.112	/
	State5&10		Left Tilt	0	39750	2506	1	High	0.06	0.035	26.07	26.30	1.054	0.037	/
	State5&10		Right Cheek	0	39750	2506	1	High	-0.15	0.075	26.07	26.30	1.054	0.079	/
	State5&10		Right Tilt	0	39750	2506	1	High	0.04	0.059	26.07	26.30	1.054	0.062	/
	State5&10		Left Cheek	0	40185	2549.5	50	High	0.15	0.082	25.16	25.80	1.159	0.095	/
	State5&10		Left Tilt	0	40185	2549.5	50	High	0.00	0.028	25.16	25.80	1.159	0.032	/
	State5&10		Right Cheek	0	40185	2549.5	50	High	-0.10	0.060	25.16	25.80	1.159	0.070	/
	State5&10		Right Tilt	0	40185	2549.5	50	High	-0.01	0.052	25.16	25.80	1.159	0.060	/
Body-worn															
Ant.3	State3	QPSK	Front Side	15	41490	2680	1	High	-0.15	0.163	25.22	25.60	1.091	0.178	/
	State3		Back Side	15	41490	2680	1	High	-0.09	0.288	25.22	25.60	1.091	**0.314**	68#

	State3		Front Side	15	41490	2680	50	Mid	0.11	0.147	24.80	25.60	1.202	0.177	/
	State3		Back Side	15	41490	2680	50	Mid	-0.06	0.260	24.80	25.60	1.202	0.313	/
Ant.3	State8	QPSK	Front Side	15	41490	2680	1	High	0.12	0.119	23.78	24.10	1.076	0.128	/
	State8		Back Side	15	41490	2680	1	High	0.10	0.210	23.78	24.10	1.076	0.226	/
	State8		Front Side	15	41490	2680	50	Mid	0.04	0.118	23.72	24.10	1.091	0.129	/
	State8		Back Side	15	41490	2680	50	Mid	-0.01	0.209	23.72	24.10	1.091	0.228	/
Ant.5	State3&8	QPSK	Front Side	15	40620	2593	1	Low	0.14	0.075	23.10	23.80	1.175	0.088	/
	State3&8		Back Side	15	40620	2593	1	Low	0.10	0.102	23.10	23.80	1.175	0.120	/
	State3&8		Front Side	15	40185	2549.5	50	Mid	-0.02	0.073	22.28	22.80	1.127	0.082	/
	State3&8		Back Side	15	40185	2549.5	50	Mid	0.00	0.101	22.28	22.80	1.127	0.114	/
Ant.4	State3	QPSK	Front Side	15	39750	2506	1	High	0.02	0.106	26.07	26.30	1.054	0.112	/
	State3		Back Side	15	39750	2506	1	High	0.03	0.169	26.07	26.30	1.054	0.178	/
	State3		Front Side	15	40185	2549.5	50	High	-0.06	0.104	25.16	25.80	1.159	0.121	/
	State3		Back Side	15	40185	2549.5	50	High	0.04	0.164	25.16	25.80	1.159	0.190	/
Ant.4	State8	QPSK	Front Side	15	40620	2593	1	High	-0.01	0.096	25.42	25.80	1.091	0.105	/
	State8		Back Side	15	40620	2593	1	High	-0.07	0.150	25.42	25.80	1.091	0.164	/
	State8		Front Side	15	40185	2549.5	50	Mid	0.13	0.089	25.18	25.80	1.153	0.103	/
	State8		Back Side	15	40185	2549.5	50	Mid	0.00	0.142	25.18	25.80	1.153	0.164	/
Hotspot															
Ant.3	State8	QPSK	Front Side	10	41490	2680	1	High	-0.08	0.153	23.78	24.10	1.076	0.165	/
	State8		Back Side	10	41490	2680	1	High	0.15	0.195	23.78	24.10	1.076	0.210	/
	State8		Right Edge	10	41490	2680	1	High	0.10	0.063	23.78	24.10	1.076	0.068	/
	State8		Top Edge	10	41490	2680	1	High	-0.11	0.369	23.78	24.10	1.076	0.397	/
	State8		Front Side	10	41490	2680	50	Mid	-0.07	0.162	23.72	24.10	1.091	0.177	/
	State8		Back Side	10	41490	2680	50	Mid	-0.06	0.196	23.72	24.10	1.091	0.214	/
	State8		Right Edge	10	41490	2680	50	Mid	0.00	0.068	23.72	24.10	1.091	0.074	/
	State8		Top Edge	10	41490	2680	50	Mid	0.05	0.385	23.72	24.10	1.091	0.420	/
Ant.5	State8	QPSK	Front Side	10	40620	2593	1	Low	-0.11	0.129	23.10	23.80	1.175	0.152	/
	State8		Back Side	10	40620	2593	1	Low	-0.09	0.161	23.10	23.80	1.175	0.189	/
	State8		Left Edge	10	40620	2593	1	Low	0.13	0.035	23.10	23.80	1.175	0.041	/
	State8		Top Edge	10	40620	2593	1	Low	-0.01	0.417	23.10	23.80	1.175	**0.490**	69#
	State8		Front Side	10	40185	2549.5	50	Mid	0.04	0.130	22.28	22.80	1.127	0.147	/
	State8		Back Side	10	40185	2549.5	50	Mid	0.04	0.164	22.28	22.80	1.127	0.185	/
	State8		Left Edge	10	40185	2549.5	50	Mid	-0.08	0.031	22.28	22.80	1.127	0.035	/
	State8		Top Edge	10	40185	2549.5	50	Mid	-0.03	0.346	22.28	22.80	1.127	0.390	/
Ant.4	State8	QPSK	Front Side	10	40620	2593	1	High	0.02	0.148	25.42	25.80	1.091	0.161	/
	State8		Back Side	10	40620	2593	1	High	-0.15	0.226	25.42	25.80	1.091	0.247	/
	State8		Left Edge	10	40620	2593	1	High	0.14	0.031	25.42	25.80	1.091	0.034	/
	State8		Right Edge	10	40620	2593	1	High	0.06	0.057	25.42	25.80	1.091	0.062	/
	State8		Bottom Edge	10	40620	2593	1	High	-0.02	0.259	25.42	25.80	1.091	0.283	/
	State8		Front Side	10	40185	2549.5	50	Mid	0.05	0.154	25.18	25.80	1.153	0.178	/
	State8		Back Side	10	40185	2549.5	50	Mid	-0.04	0.243	25.18	25.80	1.153	0.280	/
	State8		Left Edge	10	40185	2549.5	50	Mid	0.14	0.047	25.18	25.80	1.153	0.054	/

	State8		Right Edge	10	40185	2549.5	50	Mid	0.12	0.062	25.18	25.80	1.153	0.071	/
	State8		Bottom Edge	10	40185	2549.5	50	Mid	-0.08	0.293	25.18	25.80	1.153	0.338	/

10.28 LTE Band 48 (20MHz Bandwidth)

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1 g Meas SAR(W/kg)	Meas. Power(dBm)	Max. tune-power(dBm)	Scaling Factor	1 g Scaled SAR (W/kg)	Meas. No.
Head															
Ant.5	State5	QPSK	Left Cheek	0	55990	3625	1	Mid	0.09	0.558	19.20	19.30	1.023	0.571	/
	State5		Left Tilt	0	55990	3625	1	Mid	-0.04	0.548	19.20	19.30	1.023	0.561	/
	State5		Right Cheek	0	55990	3625	1	Mid	-0.10	0.242	19.20	19.30	1.023	0.248	/
	State5		Right Tilt	0	55990	3625	1	Mid	-0.01	0.336	19.20	19.30	1.023	0.344	/
	State5		Left Cheek	0	55340	3560	50	Low	-0.02	0.576	19.12	19.30	1.042	0.600	/
	State5		Left Tilt	0	55340	3560	50	Low	0.07	0.585	19.12	19.30	1.042	0.610	/
	State5		Right Cheek	0	55340	3560	50	Low	-0.09	0.259	19.12	19.30	1.042	0.270	/
	State5		Right Tilt	0	55340	3560	50	Low	-0.08	0.341	19.12	19.30	1.042	0.355	/
Ant.5	State10	QPSK	Left Cheek	0	55990	3625	1	Low	-0.05	0.441	17.92	18.30	1.091	0.481	/
	State10		Left Tilt	0	55990	3625	1	Low	-0.08	0.429	17.92	18.30	1.091	0.468	/
	State10		Right Cheek	0	55990	3625	1	Low	-0.04	0.186	17.92	18.30	1.091	0.203	/
	State10		Right Tilt	0	55990	3625	1	Low	-0.12	0.261	17.92	18.30	1.091	0.285	/
	State10		Left Cheek	0	55990	3625	50	Mid	0.13	0.453	17.88	18.30	1.102	0.499	/
	State10		Left Tilt	0	55990	3625	50	Mid	0.04	0.460	17.88	18.30	1.102	0.507	/
	State10		Right Cheek	0	55990	3625	50	Mid	0.00	0.204	17.88	18.30	1.102	0.225	/
	State10		Right Tilt	0	55990	3625	50	Mid	-0.02	0.263	17.88	18.30	1.102	0.290	/
Ant.6	State5	QPSK	Left Cheek	0	55340	3560	1	Mid	-0.12	0.159	18.98	20.40	1.387	0.221	/
	State5		Left Tilt	0	55340	3560	1	Mid	0.06	0.121	18.98	20.40	1.387	0.168	/
	State5		Right Cheek	0	55340	3560	1	Mid	-0.02	0.533	18.98	20.40	1.387	0.739	/
	State5		Right Tilt	0	55340	3560	1	Mid	-0.04	0.322	18.98	20.40	1.387	0.447	/
	State5		Left Cheek	0	56640	3690	50	High	0.03	0.130	18.31	19.40	1.285	0.167	/
	State5		Left Tilt	0	56640	3690	50	High	0.12	0.096	18.31	19.40	1.285	0.123	/
	State5		Right Cheek	0	56640	3690	50	High	-0.01	0.446	18.31	19.40	1.285	0.573	/
	State5		Right Tilt	0	56640	3690	50	High	-0.07	0.277	18.31	19.40	1.285	0.356	/
Ant.6	State10	QPSK	Left Cheek	0	55990	3625	1	High	0.09	0.143	18.80	19.90	1.288	0.184	/
	State10		Left Tilt	0	55990	3625	1	High	-0.03	0.110	18.80	19.90	1.288	0.142	/
	State10		Right Cheek	0	55990	3625	1	High	0.04	0.476	18.80	19.90	1.288	0.613	/
	State10		Right Tilt	0	55990	3625	1	High	0.04	0.285	18.80	19.90	1.288	0.367	/
	State10		Left Cheek	0	55340	3560	50	Low	0.00	0.131	18.22	19.40	1.312	0.172	/
	State10		Left Tilt	0	55340	3560	50	Low	-0.11	0.095	18.22	19.40	1.312	0.125	/
	State10		Right Cheek	0	55340	3560	50	Low	0.02	0.443	18.22	19.40	1.312	0.581	/
	State10		Right Tilt	0	55340	3560	50	Low	0.06	0.274	18.22	19.40	1.312	0.359	/
Ant.7	State5	QPSK	Left Cheek	0	56640	3690	1	High	0.01	0.658	17.45	18.00	1.135	0.747	/
	State5		Left Tilt	0	56640	3690	1	High	0.08	0.709	17.45	18.00	1.135	0.805	/
	State5		Right Cheek	0	56640	3690	1	High	-0.09	0.491	17.45	18.00	1.135	0.557	/
	State5		Right Tilt	0	56640	3690	1	High	0.12	0.547	17.45	18.00	1.135	0.621	/

	State5		Left Cheek	0	56640	3690	50	Mid	-0.03	0.665	17.55	18.00	1.109	0.737	/
	State5		Left Tilt	0	56640	3690	50	Mid	-0.07	0.725	17.55	18.00	1.109	0.804	/
	State5		Right Cheek	0	56640	3690	50	Mid	0.11	0.503	17.55	18.00	1.109	0.558	/
	State5		Right Tilt	0	56640	3690	50	Mid	-0.07	0.566	17.55	18.00	1.109	0.628	/
	State5		Left Tilt	0	55340	3560	1	High	0.00	0.806	17.29	18.00	1.178	**0.949**	70#
	State5		Left Tilt	0	55990	3625	1	High	0.09	0.650	17.41	18.00	1.146	0.745	/
	State5		Left Tilt	0	55340	3560	50	Mid	-0.03	0.807	17.31	18.00	1.172	0.946	/
	State5		Left Tilt	0	55990	3625	50	High	-0.03	0.663	17.26	18.00	1.186	0.786	/
	State5		Left Tilt	0	56640	3690	100	Low	0.11	0.695	17.29	18.00	1.178	0.819	/
Ant.7	State10	QPSK	Left Cheek	0	55340	3560	1	High	0.01	0.525	16.39	17.00	1.151	0.604	/
	State10		Left Tilt	0	55340	3560	1	High	-0.09	0.559	16.39	17.00	1.151	0.643	/
	State10		Right Cheek	0	55340	3560	1	High	-0.06	0.378	16.39	17.00	1.151	0.435	/
	State10		Right Tilt	0	55340	3560	1	High	0.13	0.432	16.39	17.00	1.151	0.497	/
	State10		Left Cheek	0	55340	3560	50	Mid	0.11	0.524	16.37	17.00	1.156	0.606	/
	State10		Left Tilt	0	55340	3560	50	Mid	-0.01	0.571	16.37	17.00	1.156	0.660	/
	State10		Right Cheek	0	55340	3560	50	Mid	-0.07	0.396	16.37	17.00	1.156	0.458	/
	State10		Right Tilt	0	55340	3560	50	Mid	0.01	0.442	16.37	17.00	1.156	0.511	/
Ant.10	State5	QPSK	Left Cheek	0	55340	3560	1	Low	-0.06	0.165	17.26	17.80	1.132	0.187	/
	State5		Left Tilt	0	55340	3560	1	Low	-0.06	0.118	17.26	17.80	1.132	0.134	/
	State5		Right Cheek	0	55340	3560	1	Low	-0.05	0.594	17.26	17.80	1.132	0.672	/
	State5		Right Tilt	0	55340	3560	1	Low	-0.02	0.448	17.26	17.80	1.132	0.507	/
	State5		Left Cheek	0	55990	3625	50	High	0.01	0.135	17.29	17.80	1.125	0.152	/
	State5		Left Tilt	0	55990	3625	50	High	0.04	0.125	17.29	17.80	1.125	0.141	/
	State5		Right Cheek	0	55990	3625	50	High	-0.01	0.648	17.29	17.80	1.125	0.729	/
	State5		Right Tilt	0	55990	3625	50	High	-0.04	0.468	17.29	17.80	1.125	0.527	/
Ant.10	State10	QPSK	Left Cheek	0	55340	3560	1	Low	0.04	0.128	15.94	16.80	1.219	0.156	/
	State10		Left Tilt	0	55340	3560	1	Low	0.12	0.095	15.94	16.80	1.219	0.116	/
	State10		Right Cheek	0	55340	3560	1	Low	0.12	0.476	15.94	16.80	1.219	0.580	/
	State10		Right Tilt	0	55340	3560	1	Low	0.13	0.354	15.94	16.80	1.219	0.432	/
	State10		Left Cheek	0	55990	3625	50	Mid	-0.03	0.108	16.03	16.80	1.194	0.129	/
	State10		Left Tilt	0	55990	3625	50	Mid	0.00	0.096	16.03	16.80	1.194	0.115	/
	State10		Right Cheek	0	55990	3625	50	Mid	-0.12	0.512	16.03	16.80	1.194	0.611	/
	State10		Right Tilt	0	55990	3625	50	Mid	0.10	0.369	16.03	16.80	1.194	0.441	/
Body-worn															
Ant.5	State3	QPSK	Front Side	15	55990	3625	1	Mid	0.05	0.158	20.56	20.80	1.057	0.167	/
	State3		Back Side	15	55990	3625	1	Mid	0.04	0.201	20.56	20.80	1.057	0.212	/
	State3		Front Side	15	55990	3625	50	High	0.04	0.154	20.75	20.80	1.012	0.156	/
	State3		Back Side	15	55990	3625	50	High	0.07	0.203	20.75	20.80	1.012	0.205	/
Ant.5	State8	QPSK	Front Side	15	56640	3690	1	Mid	0.02	0.098	18.62	18.80	1.042	0.102	/
	State8		Back Side	15	56640	3690	1	Mid	0.08	0.125	18.62	18.80	1.042	0.130	/
	State8		Front Side	15	55340	3560	50	Mid	-0.09	0.096	18.63	18.80	1.040	0.100	/
	State8		Back Side	15	55340	3560	50	Mid	-0.07	0.124	18.63	18.80	1.040	0.129	/

Ant.6	State3&8	QPSK	Front Side	15	55340	3560	1	Mid	-0.05	0.083	18.98	20.40	1.387	0.115	/
	State3&8		Back Side	15	55340	3560	1	Mid	0.02	0.139	18.98	20.40	1.387	0.193	/
	State3&8		Front Side	15	56640	3690	50	High	0.13	0.068	18.31	19.40	1.285	0.087	/
	State3&8		Back Side	15	56640	3690	50	High	0.02	0.112	18.31	19.40	1.285	0.144	/
Ant.7	State3	QPSK	Front Side	15	56640	3690	1	Low	-0.09	0.166	19.75	20.50	1.189	0.197	/
	State3		Back Side	15	56640	3690	1	Low	0.10	0.176	19.75	20.50	1.189	0.209	/
	State3		Front Side	15	55340	3560	50	Low	0.03	0.181	19.84	20.50	1.164	0.211	/
	State3		Back Side	15	55340	3560	50	Low	-0.03	0.183	19.84	20.50	1.164	**0.213**	71#
Ant.7	State8	QPSK	Front Side	15	55340	3560	1	Mid	-0.10	0.104	18.55	19.00	1.109	0.115	/
	State8		Back Side	15	55340	3560	1	Mid	0.03	0.113	18.55	19.00	1.109	0.125	/
	State8		Front Side	15	55340	3560	50	High	0.06	0.114	18.36	19.00	1.159	0.132	/
	State8		Back Side	15	55340	3560	50	High	-0.09	0.119	18.36	19.00	1.159	0.138	/
Ant.10	State3	QPSK	Front Side	15	55340	3560	1	High	0.09	0.138	19.48	20.30	1.208	0.167	/
	State3		Back Side	15	55340	3560	1	High	0.02	0.145	19.48	20.30	1.208	0.175	/
	State3		Front Side	15	55990	3625	50	High	-0.09	0.119	19.23	20.30	1.279	0.152	/
	State3		Back Side	15	55990	3625	50	High	0.05	0.163	19.23	20.30	1.279	0.208	/
Ant.10	State8	QPSK	Front Side	15	55990	3625	1	High	-0.10	0.092	17.67	18.30	1.156	0.106	/
	State8		Back Side	15	55990	3625	1	High	0.09	0.115	17.67	18.30	1.156	0.133	/
	State8		Front Side	15	55990	3625	50	High	0.09	0.095	17.71	18.30	1.146	0.109	/
	State8		Back Side	15	55990	3625	50	High	-0.10	0.122	17.71	18.30	1.146	0.140	/
Hotspot															
Ant.5	State8	QPSK	Front Side	10	56640	3690	1	Mid	0.00	0.178	18.62	18.80	1.042	0.185	/
	State8		Back Side	10	56640	3690	1	Mid	-0.05	0.216	18.62	18.80	1.042	0.225	/
	State8		Left Edge	10	56640	3690	1	Mid	-0.12	0.105	18.62	18.80	1.042	0.109	/
	State8		Top Edge	10	56640	3690	1	Mid	-0.02	0.459	18.62	18.80	1.042	0.478	/
	State8		Front Side	10	55340	3560	50	Mid	0.12	0.183	18.63	18.80	1.040	0.190	/
	State8		Back Side	10	55340	3560	50	Mid	-0.11	0.216	18.63	18.80	1.040	0.225	/
	State8		Left Edge	10	55340	3560	50	Mid	0.12	0.121	18.63	18.80	1.040	0.126	/
	State8		Top Edge	10	55340	3560	50	Mid	-0.04	0.491	18.63	18.80	1.040	0.511	/
Ant.6	State8	QPSK	Front Side	10	55340	3560	1	Mid	-0.11	0.140	18.98	20.40	1.387	0.194	/
	State8		Back Side	10	55340	3560	1	Mid	0.08	0.239	18.98	20.40	1.387	0.331	/
	State8		Right Edge	10	55340	3560	1	Mid	0.02	0.382	18.98	20.40	1.387	0.530	/
	State8		Top Edge	10	55340	3560	1	Mid	-0.11	0.099	18.98	20.40	1.387	0.137	/
	State8		Front Side	10	56640	3690	50	High	0.06	0.116	18.31	19.40	1.285	0.149	/
	State8		Back Side	10	56640	3690	50	High	-0.10	0.198	18.31	19.40	1.285	0.254	/
	State8		Right Edge	10	56640	3690	50	High	0.05	0.301	18.31	19.40	1.285	0.387	/
	State8		Top Edge	10	56640	3690	50	High	-0.01	0.084	18.31	19.40	1.285	0.108	/
Ant.7	State3	QPSK	Front Side	10	55340	3560	1	Mid	-0.04	0.246	18.55	19.00	1.109	0.273	/
	State3		Back Side	10	55340	3560	1	Mid	0.04	0.306	18.55	19.00	1.109	0.339	/
	State3		Left Edge	10	55340	3560	1	Mid	0.01	0.085	18.55	19.00	1.109	0.094	/
	State3		Right Edge	10	55340	3560	1	Mid	0.09	0.035	18.55	19.00	1.109	0.039	/
	State3		Top Edge	10	55340	3560	1	Mid	0.03	0.566	18.55	19.00	1.109	**0.628**	72#

	State3		Front Side	10	55340	3560	50	High	-0.05	0.278	18.36	19.00	1.159	0.322	/
	State3		Back Side	10	55340	3560	50	High	0.05	0.336	18.36	19.00	1.159	0.389	/
	State3		Left Edge	10	55340	3560	50	High	-0.09	0.093	18.36	19.00	1.159	0.108	/
	State3		Right Edge	10	55340	3560	50	High	0.09	0.038	18.36	19.00	1.159	0.044	/
	State3		Top Edge	10	55340	3560	50	High	0.06	0.521	18.36	19.00	1.159	0.604	/
Ant.10	State8	QPSK	Front Side	10	55990	3625	1	High	0.09	0.183	17.67	18.30	1.156	0.212	/
	State8		Back Side	10	55990	3625	1	High	0.01	0.236	17.67	18.30	1.156	0.273	/
	State8		Right Edge	10	55990	3625	1	High	0.13	0.395	17.67	18.30	1.156	0.457	/
	State8		Top Edge	10	55990	3625	1	High	-0.08	0.281	17.67	18.30	1.156	0.325	/
	State8		Front Side	10	55990	3625	50	High	-0.08	0.192	17.71	18.30	1.146	0.220	/
	State8		Back Side	10	55990	3625	50	High	-0.11	0.256	17.71	18.30	1.146	0.293	/
	State8		Right Edge	10	55990	3625	50	High	0.04	0.410	17.71	18.30	1.146	0.470	/
	State8		Top Edge	10	55990	3625	50	High	0.12	0.303	17.71	18.30	1.146	0.347	/

10.29 n2 (20MHz Bandwidth)

Antenna	Power Reduction	Mode	Information	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Setting	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 QPSK	SA	Left Cheek	0	376000	1880	1	104	185	0.09	0.399	18.49	19.10	1.151	0.459	/
	State5			Left Tilt	0	376000	1880	1	104	185	-0.05	0.508	18.49	19.10	1.151	0.585	/
	State5			Right Cheek	0	376000	1880	1	104	185	-0.03	0.747	18.49	19.10	1.151	0.860	/
	State5			Right Tilt	0	376000	1880	1	104	185	0.17	0.756	18.49	19.10	1.151	0.870	/
	State5			Left Cheek	0	376000	1880	50	0	185	0.07	0.349	18.50	19.10	1.148	0.401	/
	State5			Left Tilt	0	376000	1880	50	0	185	-0.11	0.449	18.50	19.10	1.148	0.515	/
	State5			Right Cheek	0	376000	1880	50	0	185	0.09	0.651	18.50	19.10	1.148	0.747	/
	State5			Right Tilt	0	376000	1880	50	0	185	-0.15	0.656	18.50	19.10	1.148	0.753	/
	State5			Right Tilt	0	372000	1860	1	104	185	0.04	0.794	18.49	19.10	1.151	**0.914**	73#
	State5			Right Tilt	0	380000	1900	1	1	185	0.02	0.718	18.47	19.10	1.156	0.830	/
	State5			Right Tilt	0	372000	1860	50	0	185	-0.05	0.678	18.38	19.10	1.180	0.800	/
	State5			Right Tilt	0	380000	1900	50	56	185	-0.02	0.652	18.34	19.10	1.191	0.777	/
	State5			Right Tilt	0	376000	1880	100	0	185	0.04	0.643	18.40	19.10	1.175	0.756	/
Ant.3	State10	DFT-s-OFDM QPSK	SA	Left Cheek	0	376000	1880	1	104	175	-0.13	0.312	17.45	18.10	1.161	0.362	/
	State10			Left Tilt	0	376000	1880	1	104	175	0.16	0.405	17.45	18.10	1.161	0.470	/
	State10			Right Cheek	0	376000	1880	1	104	175	0.16	0.568	17.45	18.10	1.161	0.659	/
	State10			Right Tilt	0	376000	1880	1	104	175	-0.02	0.584	17.45	18.10	1.161	0.678	/
	State10			Left Cheek	0	376000	1880	50	0	175	0.09	0.278	17.47	18.10	1.156	0.321	/
	State10			Left Tilt	0	376000	1880	50	0	175	-0.12	0.356	17.47	18.10	1.156	0.412	/
	State10			Right Cheek	0	376000	1880	50	0	175	0.04	0.518	17.47	18.10	1.156	0.599	/
	State10			Right Tilt	0	376000	1880	50	0	175	0.10	0.526	17.47	18.10	1.156	0.608	/
Ant.4	State5&10	DFT-s-OFDM QPSK	SA	Left Cheek	0	376000	1880	1	104	240	0.00	0.201	23.87	24.30	1.104	0.222	/
	State5&10			Left Tilt	0	376000	1880	1	104	240	0.14	0.043	23.87	24.30	1.104	0.047	/
	State5&10			Right Cheek	0	376000	1880	1	104	240	-0.05	0.108	23.87	24.30	1.104	0.119	/
	State5&10			Right Tilt	0	376000	1880	1	104	240	0.08	0.059	23.87	24.30	1.104	0.065	/
	State5&10			Left Cheek	0	376000	1880	50	28	240	0.07	0.173	23.79	24.30	1.125	0.195	/
	State5&10			Left Tilt	0	376000	1880	50	28	240	-0.14	0.025	23.79	24.30	1.125	0.028	/
	State5&10			Right Cheek	0	376000	1880	50	28	240	-0.03	0.087	23.79	24.30	1.125	0.098	/
	State5&10			Right Tilt	0	376000	1880	50	28	240	0.06	0.048	23.79	24.30	1.125	0.054	/
Body-Wron																	
Ant.3	State3	DFT-s-OFDM QPSK	SA	Front Side	15	372000	1860	1	1	215	-0.16	0.213	21.46	22.10	1.159	0.247	/
	State3			Back Side	15	372000	1860	1	1	215	-0.02	0.265	21.46	22.10	1.159	**0.307**	74#
	State3			Front Side	15	372000	1860	50	28	215	-0.04	0.179	21.45	22.10	1.161	0.208	/
	State3			Back Side	15	372000	1860	50	28	215	0.15	0.232	21.45	22.10	1.161	0.269	/
Ant.3	State8		SA	Front Side	15	376000	1880	1	104	190	-0.01	0.115	19.00	19.60	1.148	0.132	/
	State8			Back Side	15	376000	1880	1	104	190	-0.14	0.135	19.00	19.60	1.148	0.155	/

	State8	DFT-s-OFDM QPSK		Front Side	15	376000	1880	50	28	190	0.09	0.102	18.99	19.60	1.151	0.117	/
	State8			Back Side	15	376000	1880	50	28	190	-0.10	0.126	18.99	19.60	1.151	0.145	/
Ant.4	State3	DFT-s-OFDM QPSK	SA	Front Side	15	372000	1860	1	1	215	0.09	0.105	21.50	22.30	1.202	0.126	/
	State3			Back Side	15	372000	1860	1	1	215	0.04	0.149	21.50	22.30	1.202	0.179	/
	State3			Front Side	15	372000	1860	50	56	215	0.09	0.111	21.48	22.30	1.208	0.134	/
	State3			Back Side	15	372000	1860	50	56	215	0.00	0.138	21.48	22.30	1.208	0.167	/
Ant.4	State8	DFT-s-OFDM QPSK	SA	Front Side	15	372000	1860	1	53	205	0.11	0.089	20.60	21.30	1.175	0.105	/
	State8			Back Side	15	372000	1860	1	53	205	0.02	0.116	20.60	21.30	1.175	0.136	/
	State8			Front Side	15	372000	1860	50	0	205	-0.10	0.091	20.70	21.30	1.148	0.104	/
	State8			Back Side	15	372000	1860	50	0	205	-0.15	0.102	20.70	21.30	1.148	0.117	/
Hotspot																	
Ant.3	State8	DFT-s-OFDM QPSK	SA	Front Side	10	376000	1880	1	104	190	-0.05	0.184	19.00	19.60	1.148	0.211	/
	State8			Back Side	10	376000	1880	1	104	190	-0.07	0.326	19.00	19.60	1.148	0.374	/
	State8			Right Edge	10	376000	1880	1	104	190	0.00	0.097	19.00	19.60	1.148	0.111	/
	State8			Top Edge	10	376000	1880	1	104	190	-0.06	0.388	19.00	19.60	1.148	0.445	/
	State8			Front Side	10	376000	1880	50	28	190	0.10	0.157	18.99	19.60	1.151	0.181	/
	State8			Back Side	10	376000	1880	50	28	190	0.13	0.277	18.99	19.60	1.151	0.319	/
	State8			Right Edge	10	376000	1880	50	28	190	0.01	0.088	18.99	19.60	1.151	0.101	/
	State8			Top Edge	10	376000	1880	50	28	190	-0.03	0.337	18.99	19.60	1.151	0.388	/
Ant.4	State8	DFT-s-OFDM QPSK	SA	Front Side	10	372000	1860	1	53	205	-0.11	0.165	20.60	21.30	1.175	0.194	/
	State8			Back Side	10	372000	1860	1	53	205	0.04	0.197	20.60	21.30	1.175	0.231	/
	State8			Left Edge	10	372000	1860	1	53	205	-0.12	0.026	20.60	21.30	1.175	0.031	/
	State8			Right Edge	10	372000	1860	1	53	205	-0.06	0.062	20.60	21.30	1.175	0.073	/
	State8			Bottom Edge	10	372000	1860	1	53	205	-0.04	0.440	20.60	21.30	1.175	**0.517**	75#
	State8			Front Side	10	372000	1860	50	0	205	0.17	0.165	20.70	21.30	1.148	0.189	/
	State8			Back Side	10	372000	1860	50	0	205	-0.03	0.256	20.70	21.30	1.148	0.294	/
	State8			Left Edge	10	372000	1860	50	0	205	0.05	0.030	20.70	21.30	1.148	0.034	/
	State8			Right Edge	10	372000	1860	50	0	205	-0.15	0.066	20.70	21.30	1.148	0.076	/
	State8			Bottom Edge	10	372000	1860	50	0	205	-0.02	0.399	20.70	21.30	1.148	0.458	/

10.30 n5 (20MHz Bandwidth)

Antenna	Power Reduction	Mode	Information	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Setting	Power Drift (dB)	1 g Meas SAR(W/kg)	Meas. Power(dBm)	Max. tune-power(dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head																	
Ant.0	State5	DFT-s-OFDM QPSK	SA	Left Cheek	0	167300	836.5	1	104	220	0.11	0.520	21.23	21.80	1.140	0.593	/
	State5			Left Tilt	0	167300	836.5	1	104	220	-0.16	0.196	21.23	21.80	1.140	0.223	/
	State5			Right Cheek	0	167300	836.5	1	104	220	0.05	0.682	21.23	21.80	1.140	0.777	/
	State5			Right Tilt	0	167300	836.5	1	104	220	0.06	0.149	21.23	21.80	1.140	0.170	/
	State5			Left Cheek	0	167300	836.5	50	0	220	0.16	0.489	21.26	21.80	1.132	0.554	/
	State5			Left Tilt	0	167300	836.5	50	0	220	-0.16	0.175	21.26	21.80	1.132	0.198	/
	State5			Right Cheek	0	167300	836.5	50	0	220	-0.03	0.522	21.26	21.80	1.132	0.591	/
	State5			Right Tilt	0	167300	836.5	50	0	220	-0.15	0.139	21.26	21.80	1.132	0.157	/
Ant.0	State10	DFT-s-OFDM QPSK	SA	Left Cheek	0	167800	839	1	104	210	0.06	0.415	20.38	20.80	1.102	0.457	/
	State10			Left Tilt	0	167800	839	1	104	210	-0.09	0.156	20.38	20.80	1.102	0.172	/
	State10			Right Cheek	0	167800	839	1	104	210	0.01	0.568	20.38	20.80	1.102	0.626	/
	State10			Right Tilt	0	167800	839	1	104	210	0.09	0.118	20.38	20.80	1.102	0.130	/
	State10			Left Cheek	0	167800	839	50	0	210	0.11	0.398	20.32	20.80	1.117	0.445	/
	State10			Left Tilt	0	167800	839	50	0	210	0.00	0.142	20.32	20.80	1.117	0.159	/
	State10			Right Cheek	0	167800	839	50	0	210	-0.05	0.412	20.32	20.80	1.117	0.460	/
	State10			Right Tilt	0	167800	839	50	0	210	-0.15	0.110	20.32	20.80	1.117	0.123	/
Ant.1	State5	DFT-s-OFDM QPSK	SA	Left Cheek	0	167800	839	1	104	205	-0.13	0.773	21.10	21.50	1.096	**0.847**	76#
	State5			Left Tilt	0	167800	839	1	104	205	-0.16	0.182	21.10	21.50	1.096	0.199	/
	State5			Right Cheek	0	167800	839	1	104	205	0.01	0.622	21.10	21.50	1.096	0.682	/
	State5			Right Tilt	0	167800	839	1	104	205	0.09	0.201	21.10	21.50	1.096	0.220	/
	State5			Left Cheek	0	167800	839	50	28	205	-0.01	0.698	21.09	21.50	1.099	0.767	/
	State5			Left Tilt	0	167800	839	50	28	205	0.02	0.171	21.09	21.50	1.099	0.188	/
	State5			Right Cheek	0	167800	839	50	28	205	0.14	0.563	21.09	21.50	1.099	0.619	/
	State5			Right Tilt	0	167800	839	50	28	205	0.03	0.182	21.09	21.50	1.099	0.200	/
	State5			Left Cheek	0	166800	834	1	53	205	0.08	0.708	20.74	21.50	1.191	0.843	/
	State5			Left Cheek	0	167300	836.5	1	104	205	-0.14	0.689	20.93	21.50	1.140	0.785	/
	State5			Left Cheek	0	166800	834	50	0	205	-0.14	0.658	20.87	21.50	1.156	0.761	/
	State5			Left Cheek	0	167300	836.5	50	56	205	-0.07	0.639	20.80	21.50	1.175	0.751	/
	State5			Left Cheek	0	167800	839	100	0	205	-0.10	0.731	20.96	21.50	1.132	0.827	/
Ant.1	State10	DFT-s-OFDM QPSK	SA	Left Cheek	0	167800	839	1	1	195	-0.04	0.589	20.10	20.50	1.096	0.646	/
	State10			Left Tilt	0	167800	839	1	1	195	0.01	0.144	20.10	20.50	1.096	0.158	/
	State10			Right Cheek	0	167800	839	1	1	195	0.10	0.494	20.10	20.50	1.096	0.541	/
	State10			Right Tilt	0	167800	839	1	1	195	0.04	0.159	20.10	20.50	1.096	0.174	/
	State10			Left Cheek	0	167800	839	50	0	195	-0.12	0.553	19.96	20.50	1.132	0.626	/
	State10			Left Tilt	0	167800	839	50	0	195	0.11	0.132	19.96	20.50	1.132	0.149	/
	State10			Right Cheek	0	167800	839	50	0	195	-0.10	0.425	19.96	20.50	1.132	0.481	/

	State10			Right Tilt	0	167800	839	50	0	195	-0.07	0.135	19.96	20.50	1.132	0.153	/
Body-Wron																	
Ant.0	State3	DFT-s-OFDM QPSK	SA	Front Side	15	167800	839	1	53	215	-0.05	0.135	20.87	21.30	1.104	0.149	/
	State3			Back Side	15	167800	839	1	53	215	0.16	0.168	20.87	21.30	1.104	0.185	/
	State3			Front Side	15	167800	839	50	56	215	0.12	0.142	20.87	21.30	1.104	0.157	/
	State3			Back Side	15	167800	839	50	56	215	-0.14	0.170	20.87	21.30	1.104	0.188	/
Ant.0	State8	DFT-s-OFDM QPSK	SA	Front Side	15	167800	839	1	104	210	-0.02	0.125	20.38	20.80	1.102	0.138	/
	State8			Back Side	15	167800	839	1	104	210	-0.05	0.154	20.38	20.80	1.102	0.170	/
	State8			Front Side	15	167800	839	50	0	210	0.09	0.121	20.32	20.80	1.117	0.135	/
	State8			Back Side	15	167800	839	50	0	210	0.10	0.148	20.32	20.80	1.117	0.165	/
Ant.1	State3	DFT-s-OFDM QPSK	SA	Front Side	15	167800	839	1	104	205	0.05	0.201	21.10	21.50	1.096	0.220	/
	State3			Back Side	15	167800	839	1	104	205	-0.07	0.260	21.10	21.50	1.096	**0.285**	77#
	State3			Front Side	15	167800	839	50	28	205	0.06	0.211	21.09	21.50	1.099	0.232	/
	State3			Back Side	15	167800	839	50	28	205	0.05	0.251	21.09	21.50	1.099	0.276	/
Ant.1	State8	DFT-s-OFDM QPSK	SA	Front Side	15	167300	836.5	1	53	190	0.07	0.134	19.57	20.00	1.104	0.148	/
	State8			Back Side	15	167300	836.5	1	53	190	0.01	0.178	19.57	20.00	1.104	0.197	/
	State8			Front Side	15	167300	836.5	50	28	190	-0.01	0.142	19.52	20.00	1.117	0.159	/
	State8			Back Side	15	167300	836.5	50	28	190	0.05	0.177	19.52	20.00	1.117	0.198	/
Hotspot																	
Ant.0	State8	DFT-s-OFDM QPSK	SA	Front Side	10	167800	839	1	104	210	-0.13	0.239	20.38	20.80	1.102	0.263	/
	State8			Back Side	10	167800	839	1	104	210	0.13	0.253	20.38	20.80	1.102	0.279	/
	State8			Left Edge	10	167800	839	1	104	210	-0.09	0.443	20.38	20.80	1.102	**0.488**	78#
	State8			Bottom Edge	10	167800	839	1	104	210	0.11	0.009	20.38	20.80	1.102	0.010	/
	State8			Front Side	10	167800	839	50	0	210	0.09	0.207	20.32	20.80	1.117	0.231	/
	State8			Back Side	10	167800	839	50	0	210	0.02	0.224	20.32	20.80	1.117	0.250	/
	State8			Left Edge	10	167800	839	50	0	210	0.07	0.372	20.32	20.80	1.117	0.416	/
	State8			Bottom Edge	10	167800	839	50	0	210	-0.05	0.008	20.32	20.80	1.117	0.009	/
Ant.1	State8	DFT-s-OFDM QPSK	SA	Front Side	10	167300	836.5	1	53	190	0.15	0.210	19.57	20.00	1.104	0.232	/
	State8			Back Side	10	167300	836.5	1	53	190	0.17	0.259	19.57	20.00	1.104	0.286	/
	State8			Right Edge	10	167300	836.5	1	53	190	-0.13	0.365	19.57	20.00	1.104	0.403	/
	State8			Bottom Edge	10	167300	836.5	1	53	190	-0.12	0.017	19.57	20.00	1.104	0.019	/
	State8			Front Side	10	167300	836.5	50	28	190	0.14	0.191	19.52	20.00	1.117	0.213	/
	State8			Back Side	10	167300	836.5	50	28	190	-0.13	0.214	19.52	20.00	1.117	0.239	/
	State8			Right Edge	10	167300	836.5	50	28	190	-0.08	0.323	19.52	20.00	1.117	0.361	/
	State8			Bottom Edge	10	167300	836.5	50	28	190	0.10	0.015	19.52	20.00	1.117	0.017	/

10.31 n7 (50MHz Bandwidth)

Antenna	Power Reduction	Mode	Information	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Setting	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 QPSK	SA	Left Cheek	0	507000	2535	1	135	170	0.12	0.428	17.59	18.20	1.151	0.493	/
	State5			Left Tilt	0	507000	2535	1	135	170	-0.13	0.537	17.59	18.20	1.151	0.618	/
	State5			Right Cheek	0	507000	2535	1	135	170	0.01	0.702	17.59	18.20	1.151	0.808	/
	State5			Right Tilt	0	507000	2535	1	135	170	-0.06	0.737	17.59	18.20	1.151	0.848	/
	State5			Left Cheek	0	507000	2535	135	68	170	0.16	0.378	17.55	18.20	1.161	0.439	/
	State5			Left Tilt	0	507000	2535	135	68	170	-0.01	0.479	17.55	18.20	1.161	0.556	/
	State5			Right Cheek	0	507000	2535	135	68	170	-0.16	0.619	17.55	18.20	1.161	0.719	/
	State5			Right Tilt	0	507000	2535	135	68	170	0.13	0.648	17.55	18.20	1.161	0.752	/
	State5			Right Tilt	0	505000	2525	1	268	170	-0.06	0.761	17.46	18.20	1.186	**0.903**	79#
	State5			Right Tilt	0	509000	2545	1	135	170	0.10	0.739	17.42	18.20	1.197	0.885	/
	State5			Right Tilt	0	505000	2525	135	135	170	0.12	0.670	17.29	18.20	1.233	0.826	/
	State5			Right Tilt	0	509000	2545	135	0	170	-0.05	0.687	17.37	18.20	1.211	0.832	/
	State5			Right Tilt	0	507000	2535	270	0	170	-0.06	0.664	17.46	18.20	1.186	0.788	/
Ant.3	State10	DFT-s-OFDM QPSK	SA	Left Cheek	0	507000	2535	1	268	160	-0.02	0.346	16.60	17.20	1.148	0.397	/
	State10			Left Tilt	0	507000	2535	1	268	160	0.14	0.425	16.60	17.20	1.148	0.488	/
	State10			Right Cheek	0	507000	2535	1	268	160	-0.10	0.542	16.60	17.20	1.148	0.622	/
	State10			Right Tilt	0	507000	2535	1	268	160	-0.11	0.564	16.60	17.20	1.148	0.647	/
	State10			Left Cheek	0	507000	2535	135	68	160	0.11	0.300	16.54	17.20	1.164	0.349	/
	State10			Left Tilt	0	507000	2535	135	68	160	0.07	0.368	16.54	17.20	1.164	0.428	/
	State10			Right Cheek	0	507000	2535	135	68	160	0.08	0.486	16.54	17.20	1.164	0.566	/
	State10			Right Tilt	0	507000	2535	135	68	160	0.01	0.511	16.54	17.20	1.164	0.595	/
Ant.5	State5	DFT-s-OFDM QPSK	SA	Left Cheek	0	509000	2545	1	1	205	0.13	0.445	19.28	19.90	1.153	0.513	/
	State5			Left Tilt	0	509000	2545	1	1	205	-0.11	0.552	19.28	19.90	1.153	0.636	/
	State5			Right Cheek	0	509000	2545	1	1	205	-0.04	0.245	19.28	19.90	1.153	0.282	/
	State5			Right Tilt	0	509000	2545	1	1	205	-0.04	0.321	19.28	19.90	1.153	0.370	/
	State5			Left Cheek	0	509000	2545	135	0	205	-0.13	0.425	19.30	19.90	1.148	0.488	/
	State5			Left Tilt	0	509000	2545	135	0	205	0.11	0.526	19.30	19.90	1.148	0.604	/
	State5			Right Cheek	0	509000	2545	135	0	205	0.01	0.234	19.30	19.90	1.148	0.269	/
	State5			Right Tilt	0	509000	2545	135	0	205	-0.05	0.326	19.30	19.90	1.148	0.374	/
Ant.5	State10	DFT-s-OFDM QPSK	SA	Left Cheek	0	509000	2545	1	135	195	0.05	0.354	18.24	18.90	1.164	0.412	/
	State10			Left Tilt	0	509000	2545	1	135	195	0.00	0.454	18.24	18.90	1.164	0.528	/
	State10			Right Cheek	0	509000	2545	1	135	195	0.03	0.195	18.24	18.90	1.164	0.227	/
	State10			Right Tilt	0	509000	2545	1	135	195	0.02	0.255	18.24	18.90	1.164	0.297	/
	State10			Left Cheek	0	509000	2545	135	135	195	0.03	0.337	18.26	18.90	1.159	0.391	/
	State10			Left Tilt	0	509000	2545	135	135	195	-0.09	0.434	18.26	18.90	1.159	0.503	/
	State10			Right Cheek	0	509000	2545	135	135	195	-0.07	0.186	18.26	18.90	1.159	0.216	/

	State10			Right Tilt	0	509000	2545	135	135	195	-0.11	0.259	18.26	18.90	1.159	0.300	/
Ant.4	State5&10	DFT-s-OFDM QPSK	SA	Left Cheek	0	507000	2535	1	135	240	0.13	0.145	24.93	25.40	1.114	0.162	/
	State5&10			Left Tilt	0	507000	2535	1	135	240	0.01	0.042	24.93	25.40	1.114	0.047	/
	State5&10			Right Cheek	0	507000	2535	1	135	240	0.07	0.123	24.93	25.40	1.114	0.137	/
	State5&10			Right Tilt	0	507000	2535	1	135	240	-0.16	0.045	24.93	25.40	1.114	0.050	/
	State5&10			Left Cheek	0	507000	2535	135	68	240	0.10	0.138	24.89	25.40	1.125	0.155	/
	State5&10			Left Tilt	0	507000	2535	135	68	240	-0.05	0.041	24.89	25.40	1.125	0.046	/
	State5&10			Right Cheek	0	507000	2535	135	68	240	-0.16	0.120	24.89	25.40	1.125	0.135	/
	State5&10			Right Tilt	0	507000	2535	135	68	240	0.10	0.039	24.89	25.40	1.125	0.044	/
Body-Wron																	
Ant.3	State3	DFT-s-OFDM QPSK	SA	Front Side	15	509000	2545	1	268	190	-0.02	0.134	20.09	20.70	1.151	0.154	/
	State3			Back Side	15	509000	2545	1	268	190	0.04	0.215	20.09	20.70	1.151	0.247	/
	State3			Front Side	15	509000	2545	135	68	190	0.06	0.116	20.03	20.70	1.167	0.135	/
	State3			Back Side	15	509000	2545	135	68	190	-0.02	0.201	20.03	20.70	1.167	0.235	/
Ant.3	State8	DFT-s-OFDM QPSK	SA	Front Side	15	509000	2545	1	1	175	-0.14	0.101	18.60	19.20	1.148	0.116	/
	State8			Back Side	15	509000	2545	1	1	175	0.00	0.151	18.60	19.20	1.148	0.173	/
	State8			Front Side	15	509000	2545	135	135	175	-0.03	0.089	18.51	19.20	1.172	0.104	/
	State8			Back Side	15	509000	2545	135	135	175	-0.03	0.146	18.51	19.20	1.172	0.171	/
Ant.5	State3	DFT-s-OFDM QPSK	SA	Front Side	15	509000	2545	1	268	240	-0.14	0.117	22.19	22.90	1.178	0.138	/
	State3			Back Side	15	509000	2545	1	268	240	0.10	0.125	22.19	22.90	1.178	0.147	/
	State3			Front Side	15	509000	2545	135	68	240	0.11	0.112	21.99	22.90	1.233	0.138	/
	State3			Back Side	15	509000	2545	135	68	240	-0.03	0.118	21.99	22.90	1.233	0.145	/
Ant.5	State8	DFT-s-OFDM QPSK	SA	Front Side	15	507000	2535	1	1	220	-0.05	0.083	20.79	21.40	1.151	0.096	/
	State8			Back Side	15	507000	2535	1	1	220	-0.06	0.098	20.79	21.40	1.151	0.113	/
	State8			Front Side	15	507000	2535	135	68	220	0.00	0.078	20.77	21.40	1.156	0.090	/
	State8			Back Side	15	507000	2535	135	68	220	0.03	0.092	20.77	21.40	1.156	0.106	/
Ant.4	State3	DFT-s-OFDM QPSK	SA	Front Side	15	507000	2535	1	1	215	-0.01	0.175	22.30	22.90	1.148	0.201	/
	State3			Back Side	15	507000	2535	1	1	215	-0.01	0.221	22.30	22.90	1.148	0.254	/
	State3			Front Side	15	507000	2535	135	0	215	0.14	0.168	22.24	22.90	1.164	0.196	/
	State3			Back Side	15	507000	2535	135	0	215	-0.13	0.240	22.24	22.90	1.164	**0.279**	80#
Ant.4	State8	DFT-s-OFDM QPSK	SA	Front Side	15	507000	2535	1	268	195	0.08	0.115	20.30	20.90	1.148	0.132	/
	State8			Back Side	15	507000	2535	1	268	195	0.03	0.139	20.30	20.90	1.148	0.160	/
	State8			Front Side	15	507000	2535	135	68	195	0.02	0.105	20.26	20.90	1.159	0.122	/
	State8			Back Side	15	507000	2535	135	68	195	-0.10	0.142	20.26	20.90	1.159	0.165	/
Hotspot																	
Ant.3	State8	DFT-s-OFDM QPSK	SA	Front Side	10	509000	2545	1	1	175	0.03	0.138	18.60	19.20	1.148	0.158	/
	State8			Back Side	10	509000	2545	1	1	175	-0.14	0.188	18.60	19.20	1.148	0.216	/
	State8			Right Edge	10	509000	2545	1	1	175	0.13	0.082	18.60	19.20	1.148	0.094	/
	State8			Top Edge	10	509000	2545	1	1	175	0.04	0.269	18.60	19.20	1.148	**0.309**	81#
	State8			Front Side	10	509000	2545	135	135	175	-0.05	0.119	18.51	19.20	1.172	0.139	/
	State8			Back Side	10	509000	2545	135	135	175	0.00	0.172	18.51	19.20	1.172	0.202	/
	State8			Right Edge	10	509000	2545	135	135	175	-0.09	0.079	18.51	19.20	1.172	0.093	/
	State8			Top Edge	10	509000	2545	135	135	175	-0.05	0.254	18.51	19.20	1.172	0.298	/

Ant.5	State8	DFT-s-OFDM QPSK	SA	Front Side	10	507000	2535	1	1	220	0.14	0.109	20.79	21.40	1.151	0.125	/
	State8			Back Side	10	507000	2535	1	1	220	-0.13	0.134	20.79	21.40	1.151	0.154	/
	State8			Left Edge	10	507000	2535	1	1	220	-0.07	0.058	20.79	21.40	1.151	0.067	/
	State8			Top Edge	10	507000	2535	1	1	220	-0.01	0.236	20.79	21.40	1.151	0.272	/
	State8			Front Side	10	507000	2535	135	68	220	0.09	0.098	20.77	21.40	1.156	0.113	/
	State8			Back Side	10	507000	2535	135	68	220	0.12	0.129	20.77	21.40	1.156	0.149	/
	State8			Left Edge	10	507000	2535	135	68	220	0.07	0.047	20.77	21.40	1.156	0.054	/
	State8			Top Edge	10	507000	2535	135	68	220	0.07	0.225	20.77	21.40	1.156	0.260	/
Ant.4	State8	DFT-s-OFDM QPSK	SA	Front Side	10	507000	2535	1	268	195	0.00	0.168	20.30	20.90	1.148	0.193	/
	State8			Back Side	10	507000	2535	1	268	195	-0.10	0.209	20.30	20.90	1.148	0.240	/
	State8			Left Edge	10	507000	2535	1	268	195	0.09	0.031	20.30	20.90	1.148	0.036	/
	State8			Right Edge	10	507000	2535	1	268	195	0.05	0.052	20.30	20.90	1.148	0.060	/
	State8			Bottom Edge	10	507000	2535	1	268	195	0.14	0.211	20.30	20.90	1.148	0.242	/
	State8			Front Side	10	507000	2535	135	68	195	-0.09	0.155	20.26	20.90	1.159	0.180	/
	State8			Back Side	10	507000	2535	135	68	195	-0.14	0.207	20.26	20.90	1.159	0.240	/
	State8			Left Edge	10	507000	2535	135	68	195	0.05	0.026	20.26	20.90	1.159	0.030	/
	State8			Right Edge	10	507000	2535	135	68	195	0.04	0.047	20.26	20.90	1.159	0.054	/
	State8			Bottom Edge	10	507000	2535	135	68	195	-0.10	0.190	20.26	20.90	1.159	0.220	/

10.32 n12 (15MHz Bandwidth)

Antenna	Power Reduction	Mode	Information	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Setting	Power Drift (dB)	1 g Meas SAR(W/kg)	Meas. Power(dBm)	Max. tune-power(dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head																	
Ant.0	State5&10	DFT-s-OFDM QPSK	SA	Left Cheek	0	141500	707.5	1	40	240	0.08	0.590	23.07	23.80	1.183	0.698	/
	State5&10			Left Tilt	0	141500	707.5	1	40	240	-0.07	0.183	23.07	23.80	1.183	0.216	/
	State5&10			Right Cheek	0	141500	707.5	1	40	240	-0.11	0.520	23.07	23.80	1.183	0.615	/
	State5&10			Right Tilt	0	141500	707.5	1	40	240	0.08	0.162	23.07	23.80	1.183	0.192	/
	State5&10			Left Cheek	0	141300	706.5	36	43	240	0.06	0.586	23.00	23.80	1.202	0.704	/
	State5&10			Left Tilt	0	141300	706.5	36	43	240	0.14	0.178	23.00	23.80	1.202	0.214	/
	State5&10			Right Cheek	0	141300	706.5	36	43	240	0.11	0.517	23.00	23.80	1.202	0.621	/
	State5&10			Right Tilt	0	141300	706.5	36	43	240	0.08	0.161	23.00	23.80	1.202	0.194	/
Ant.1	State5&10	DFT-s-OFDM QPSK	SA	Left Cheek	0	141700	708.5	1	1	240	0.11	0.760	24.61	25.00	1.094	0.831	/
	State5&10			Left Tilt	0	141700	708.5	1	1	240	0.04	0.219	24.61	25.00	1.094	0.240	/
	State5&10			Right Cheek	0	141700	708.5	1	1	240	0.07	0.827	24.61	25.00	1.094	0.905	/
	State5&10			Right Tilt	0	141700	708.5	1	1	240	-0.11	0.214	24.61	25.00	1.094	0.234	/
	State5&10			Left Cheek	0	141300	706.5	36	22	240	0.13	0.746	24.54	25.00	1.112	0.830	/
	State5&10			Left Tilt	0	141300	706.5	36	22	240	0.14	0.214	24.54	25.00	1.112	0.238	/
	State5&10			Right Cheek	0	141300	706.5	36	22	240	0.02	0.803	24.54	25.00	1.112	0.893	/
	State5&10			Right Tilt	0	141300	706.5	36	22	240	0.09	0.210	24.54	25.00	1.112	0.234	/
	State5&10			Left Cheek	0	141300	706.5	1	1	240	0.09	0.765	24.39	25.00	1.151	0.881	/
	State5&10			Left Cheek	0	141500	707.5	1	40	240	0.07	0.768	24.52	25.00	1.117	0.858	/
	State5&10			Left Cheek	0	141500	707.5	36	43	240	0.15	0.732	24.17	25.00	1.211	0.886	/
	State5&10			Left Cheek	0	141700	708.5	36	43	240	-0.06	0.736	24.32	25.00	1.169	0.860	/
	State5&10			Left Cheek	0	141500	707.5	75	0	240	-0.04	0.763	24.19	25.00	1.205	0.919	/
	State5&10			Right Cheek	0	141300	706.5	1	1	240	0.00	0.838	24.39	25.00	1.151	0.965	/
	State5&10			Right Cheek	0	141500	707.5	1	40	240	-0.02	0.840	24.52	25.00	1.117	0.938	/
	State5&10			Right Cheek	0	141500	707.5	36	43	240	0.15	0.802	24.17	25.00	1.211	0.971	/
	State5&10			Right Cheek	0	141700	708.5	36	43	240	-0.07	0.810	24.32	25.00	1.169	0.947	/
	State5&10			Right Cheek	0	141500	707.5	75	0	240	-0.15	0.875	24.19	25.00	1.205	**1.054**	82#
Body-Wron																	
Ant.0	State3	DFT-s-OFDM QPSK	SA	Front Side	15	141700	708.5	1	77	230	0.14	0.122	22.10	22.80	1.175	0.143	/
	State3			Back Side	15	141700	708.5	1	77	230	0.05	0.129	22.10	22.80	1.175	0.152	/
	State3			Front Side	15	141500	707.5	36	43	230	0.11	0.118	22.15	22.80	1.161	0.137	/
	State3			Back Side	15	141500	707.5	36	43	230	-0.14	0.131	22.15	22.80	1.161	0.152	/
Ant.0	State8	DFT-s-OFDM QPSK	SA	Front Side	15	141700	708.5	1	77	215	-0.10	0.086	20.69	21.30	1.151	0.099	/
	State8			Back Side	15	141700	708.5	1	77	215	0.15	0.090	20.69	21.30	1.151	0.104	/
	State8			Front Side	15	141700	708.5	36	0	215	-0.11	0.085	20.69	21.30	1.151	0.098	/
	State8			Back Side	15	141700	708.5	36	0	215	0.15	0.093	20.69	21.30	1.151	0.107	/
Ant.1	State3		SA	Front Side	15	141300	706.5	1	1	230	0.07	0.123	23.42	24.00	1.143	0.141	/

	State3	DFT-s-OFDM QPSK		Back Side	15	141300	706.5	1	1	230	0.01	0.185	23.42	24.00	1.143	0.211	/
	State3			Front Side	15	141700	708.5	36	22	230	0.09	0.125	23.49	24.00	1.125	0.141	/
	State3			Back Side	15	141700	708.5	36	22	230	-0.03	0.189	23.49	24.00	1.125	**0.213**	83#
Ant.1	State8	DFT-s-OFDM QPSK	SA	Front Side	15	141500	707.5	1	77	220	-0.12	0.096	22.41	23.00	1.146	0.110	/
	State8			Back Side	15	141500	707.5	1	77	220	0.04	0.148	22.41	23.00	1.146	0.170	/
	State8			Front Side	15	141700	708.5	36	0	220	0.08	0.097	22.50	23.00	1.122	0.109	/
	State8			Back Side	15	141700	708.5	36	0	220	0.12	0.151	22.50	23.00	1.122	0.169	/
Hotspot																	
Ant.0	State8	DFT-s-OFDM QPSK	SA	Front Side	10	141700	708.5	1	77	215	0.11	0.165	20.69	21.30	1.151	0.190	/
	State8			Back Side	10	141700	708.5	1	77	215	-0.10	0.176	20.69	21.30	1.151	0.203	/
	State8			Left Edge	10	141700	708.5	1	77	215	0.07	0.336	20.69	21.30	1.151	0.387	/
	State8			Bottom Edge	10	141700	708.5	1	77	215	0.01	0.009	20.69	21.30	1.151	0.010	/
	State8			Front Side	10	141700	708.5	36	0	215	0.11	0.163	20.69	21.30	1.151	0.188	/
	State8			Back Side	10	141700	708.5	36	0	215	-0.03	0.171	20.69	21.30	1.151	0.197	/
	State8			Left Edge	10	141700	708.5	36	0	215	0.15	0.337	20.69	21.30	1.151	0.388	/
	State8			Bottom Edge	10	141700	708.5	36	0	215	-0.05	0.009	20.69	21.30	1.151	0.010	/
Ant.1	State8	DFT-s-OFDM QPSK	SA	Front Side	10	141500	707.5	1	77	220	0.07	0.153	22.41	23.00	1.146	0.175	/
	State8			Back Side	10	141500	707.5	1	77	220	-0.05	0.171	22.41	23.00	1.146	0.196	/
	State8			Right Edge	10	141500	707.5	1	77	220	0.00	0.346	22.41	23.00	1.146	0.397	/
	State8			Bottom Edge	10	141500	707.5	1	77	220	0.12	0.012	22.41	23.00	1.146	0.014	/
	State8			Front Side	10	141700	708.5	36	0	220	0.05	0.152	22.50	23.00	1.122	0.171	/
	State8			Back Side	10	141700	708.5	36	0	220	-0.13	0.168	22.50	23.00	1.122	0.188	/
	State8			Right Edge	10	141700	708.5	36	0	220	-0.15	0.356	22.50	23.00	1.122	**0.399**	84#
	State8			Bottom Edge	10	141700	708.5	36	0	220	0.04	0.013	22.50	23.00	1.122	0.015	/

10.33 n26 (20MHz Bandwidth)

Antenna	Power Reduction	Mode	Information	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Setting	Power Drift (dB)	1 g Meas SAR(W/kg)	Meas. Power(dBm)	Max. tune-power(dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head																	
Ant.0	State5	DFT-s-OFDM QPSK	SA	Left Cheek	0	166300	831.5	1	1	215	-0.08	0.608	21.00	21.30	1.072	0.652	/
	State5			Left Tilt	0	166300	831.5	1	1	215	0.13	0.213	21.00	21.30	1.072	0.228	/
	State5			Right Cheek	0	166300	831.5	1	1	215	-0.09	0.700	21.00	21.30	1.072	0.750	/
	State5			Right Tilt	0	166300	831.5	1	1	215	0.16	0.183	21.00	21.30	1.072	0.196	/
	State5			Left Cheek	0	166300	831.5	50	56	215	-0.08	0.610	20.97	21.30	1.079	0.658	/
	State5			Left Tilt	0	166300	831.5	50	56	215	-0.03	0.216	20.97	21.30	1.079	0.233	/
	State5			Right Cheek	0	166300	831.5	50	56	215	0.03	0.708	20.97	21.30	1.079	0.764	/
	State5			Right Tilt	0	166300	831.5	50	56	215	-0.06	0.182	20.97	21.30	1.079	0.196	/
Ant.0	State10	DFT-s-OFDM QPSK	SA	Left Cheek	0	166300	831.5	1	53	205	-0.03	0.476	19.96	20.30	1.081	0.515	/
	State10			Left Tilt	0	166300	831.5	1	53	205	0.12	0.165	19.96	20.30	1.081	0.178	/
	State10			Right Cheek	0	166300	831.5	1	53	205	-0.08	0.553	19.96	20.30	1.081	0.598	/
	State10			Right Tilt	0	166300	831.5	1	53	205	-0.15	0.142	19.96	20.30	1.081	0.154	/
	State10			Left Cheek	0	164800	824	50	56	205	-0.09	0.481	19.97	20.30	1.079	0.519	/
	State10			Left Tilt	0	164800	824	50	56	205	-0.16	0.168	19.97	20.30	1.079	0.181	/
	State10			Right Cheek	0	164800	824	50	56	205	-0.01	0.557	19.97	20.30	1.079	0.601	/
	State10			Right Tilt	0	164800	824	50	56	205	0.08	0.143	19.97	20.30	1.079	0.154	/
Ant.1	State5	DFT-s-OFDM QPSK	SA	Left Cheek	0	167800	839	1	53	200	-0.07	0.753	20.54	21.00	1.112	0.837	/
	State5			Left Tilt	0	167800	839	1	53	200	0.00	0.186	20.54	21.00	1.112	0.207	/
	State5			Right Cheek	0	167800	839	1	53	200	0.08	0.684	20.54	21.00	1.112	0.761	/
	State5			Right Tilt	0	167800	839	1	53	200	-0.01	0.205	20.54	21.00	1.112	0.228	/
	State5			Left Cheek	0	164800	824	50	56	200	0.03	0.749	20.68	21.00	1.076	0.806	/
	State5			Left Tilt	0	164800	824	50	56	200	-0.15	0.193	20.68	21.00	1.076	0.208	/
	State5			Right Cheek	0	164800	824	50	56	200	-0.14	0.703	20.68	21.00	1.076	0.756	/
	State5			Right Tilt	0	164800	824	50	56	200	-0.08	0.207	20.68	21.00	1.076	0.223	/
	State5			Left Cheek	0	164800	824	1	104	200	0.05	0.640	20.42	21.00	1.143	0.732	/
	State5			Left Cheek	0	166300	831.5	1	53	200	0.06	0.899	20.51	21.00	1.119	1.006	/
	State5			Left Cheek	0	166300	831.5	50	28	200	-0.07	0.678	20.59	21.00	1.099	0.745	/
	State5			Left Cheek	0	167800	839	50	56	200	-0.04	0.931	20.64	21.00	1.086	**1.011**	85#
	State5			Left Cheek	0	167800	839	100	0	200	-0.10	0.880	20.68	21.00	1.076	0.947	/
Ant.1	State10	DFT-s-OFDM QPSK	SA	Left Cheek	0	167800	839	1	53	190	-0.01	0.562	19.67	20.00	1.079	0.606	/
	State10			Left Tilt	0	167800	839	1	53	190	-0.07	0.150	19.67	20.00	1.079	0.162	/
	State10			Right Cheek	0	167800	839	1	53	190	0.03	0.531	19.67	20.00	1.079	0.573	/
	State10			Right Tilt	0	167800	839	1	53	190	-0.09	0.162	19.67	20.00	1.079	0.175	/
	State10			Left Cheek	0	167800	839	50	28	190	-0.12	0.580	19.68	20.00	1.076	0.624	/
	State10			Left Tilt	0	167800	839	50	28	190	0.02	0.148	19.68	20.00	1.076	0.159	/
	State10			Right Cheek	0	167800	839	50	28	190	-0.07	0.549	19.68	20.00	1.076	0.591	/

	State10			Right Tilt	0	167800	839	50	28	190	0.12	0.162	19.68	20.00	1.076	0.174	/
Body-Wron																	
Ant.0	State3	DFT-s-OFDM QPSK	SA	Front Side	15	167800	839	1	104	220	-0.14	0.344	21.49	21.80	1.074	0.369	/
	State3			Back Side	15	167800	839	1	104	220	0.16	0.309	21.49	21.80	1.074	0.332	/
	State3			Front Side	15	166300	831.5	50	0	220	-0.07	0.350	21.50	21.80	1.072	**0.375**	86#
	State3			Back Side	15	166300	831.5	50	0	220	-0.12	0.313	21.50	21.80	1.072	0.336	/
Ant.0	State8	DFT-s-OFDM QPSK	SA	Front Side	15	167800	839	1	104	210	0.00	0.256	20.44	20.80	1.086	0.278	/
	State8			Back Side	15	167800	839	1	104	210	0.03	0.241	20.44	20.80	1.086	0.262	/
	State8			Front Side	15	164800	824	50	56	210	-0.16	0.265	20.50	20.80	1.072	0.284	/
	State8			Back Side	15	164800	824	50	56	210	-0.06	0.239	20.50	20.80	1.072	0.256	/
Ant.1	State3	DFT-s-OFDM QPSK	SA	Front Side	15	164800	824	1	104	210	-0.08	0.269	21.65	22.00	1.084	0.292	/
	State3			Back Side	15	164800	824	1	104	210	-0.08	0.288	21.65	22.00	1.084	0.312	/
	State3			Front Side	15	167800	839	50	56	210	0.02	0.277	21.69	22.00	1.074	0.297	/
	State3			Back Side	15	167800	839	50	56	210	0.05	0.291	21.69	22.00	1.074	0.313	/
Ant.1	State8	DFT-s-OFDM QPSK	SA	Front Side	15	167800	839	1	53	200	0.13	0.210	20.54	21.00	1.112	0.234	/
	State8			Back Side	15	167800	839	1	53	200	-0.04	0.223	20.54	21.00	1.112	0.248	/
	State8			Front Side	15	164800	824	50	56	200	0.06	0.212	20.68	21.00	1.076	0.228	/
	State8			Back Side	15	164800	824	50	56	200	-0.13	0.228	20.68	21.00	1.076	0.245	/
Hotspot																	
Ant.0	State8	DFT-s-OFDM QPSK	SA	Front Side	10	167800	839	1	104	210	0.10	0.219	20.44	20.80	1.086	0.238	/
	State8			Back Side	10	167800	839	1	104	210	-0.04	0.237	20.44	20.80	1.086	0.257	/
	State8			Left Edge	10	167800	839	1	104	210	-0.13	0.425	20.44	20.80	1.086	0.462	/
	State8			Bottom Edge	10	167800	839	1	104	210	-0.11	0.010	20.44	20.80	1.086	0.011	/
	State8			Front Side	10	164800	824	50	56	210	-0.11	0.221	20.50	20.80	1.072	0.237	/
	State8			Back Side	10	164800	824	50	56	210	0.09	0.207	20.50	20.80	1.072	0.222	/
	State8			Left Edge	10	164800	824	50	56	210	0.01	0.419	20.50	20.80	1.072	0.449	/
	State8			Bottom Edge	10	164800	824	50	56	210	0.11	0.009	20.50	20.80	1.072	0.010	/
Ant.1	State8	DFT-s-OFDM QPSK	SA	Front Side	10	167800	839	1	53	200	0.01	0.245	20.54	21.00	1.112	0.272	/
	State8			Back Side	10	167800	839	1	53	200	-0.09	0.309	20.54	21.00	1.112	0.344	/
	State8			Right Edge	10	167800	839	1	53	200	-0.09	0.446	20.54	21.00	1.112	**0.496**	87#
	State8			Bottom Edge	10	167800	839	1	53	200	0.13	0.020	20.54	21.00	1.112	0.022	/
	State8			Front Side	10	164800	824	50	56	200	-0.11	0.247	20.68	21.00	1.076	0.266	/
	State8			Back Side	10	164800	824	50	56	200	-0.07	0.329	20.68	21.00	1.076	0.354	/
	State8			Right Edge	10	164800	824	50	56	200	0.11	0.442	20.68	21.00	1.076	0.476	/
	State8			Bottom Edge	10	164800	824	50	56	200	-0.03	0.020	20.68	21.00	1.076	0.022	/

10.34 n66 (40MHz Bandwidth)

Antenna	Power Reduction	Mode	Information	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Setting	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 QPSK	SA	Left Cheek	0	349000	1745	1	1	160	0.02	0.275	16.26	16.80	1.132	0.311	/
	State5			Left Tilt	0	349000	1745	1	1	160	0.05	0.298	16.26	16.80	1.132	0.337	/
	State5			Right Cheek	0	349000	1745	1	1	160	0.04	0.458	16.26	16.80	1.132	0.518	/
	State5			Right Tilt	0	349000	1745	1	1	160	0.17	0.482	16.26	16.80	1.132	0.546	/
	State5			Left Cheek	0	349000	1745	108	54	160	0.09	0.215	16.29	16.80	1.125	0.242	/
	State5			Left Tilt	0	349000	1745	108	54	160	0.08	0.234	16.29	16.80	1.125	0.263	/
	State5			Right Cheek	0	349000	1745	108	54	160	-0.03	0.385	16.29	16.80	1.125	0.433	/
	State5			Right Tilt	0	349000	1745	108	54	160	-0.06	0.397	16.29	16.80	1.125	0.447	/
Ant.3	State10	DFT-s-OFDM QPSK	SA	Left Cheek	0	349000	1745	1	108	165	0.00	0.296	16.78	17.30	1.127	0.334	/
	State10			Left Tilt	0	349000	1745	1	108	165	-0.07	0.326	16.78	17.30	1.127	0.367	/
	State10			Right Cheek	0	349000	1745	1	108	165	-0.11	0.488	16.78	17.30	1.127	0.550	/
	State10			Right Tilt	0	349000	1745	1	108	165	-0.11	0.502	16.78	17.30	1.127	0.566	/
	State10			Left Cheek	0	349000	1745	108	54	165	-0.07	0.236	16.80	17.30	1.122	0.265	/
	State10			Left Tilt	0	349000	1745	108	54	165	0.12	0.266	16.80	17.30	1.122	0.298	/
	State10			Right Cheek	0	349000	1745	108	54	165	-0.01	0.414	16.80	17.30	1.122	0.465	/
	State10			Right Tilt	0	349000	1745	108	54	165	-0.08	0.425	16.80	17.30	1.122	0.477	/
Ant.5	State5	DFT-s-OFDM QPSK	SA	Left Cheek	0	346000	1730	1	1	220	0.04	0.983	20.63	21.20	1.140	**1.121**	88#
	State5			Left Tilt	0	346000	1730	1	1	220	-0.07	0.625	20.63	21.20	1.140	0.713	/
	State5			Right Cheek	0	346000	1730	1	1	220	0.11	0.209	20.63	21.20	1.140	0.238	/
	State5			Right Tilt	0	346000	1730	1	1	220	0.08	0.276	20.63	21.20	1.140	0.315	/
	State5			Left Cheek	0	346000	1730	108	0	220	0.02	0.803	20.60	21.20	1.148	0.922	/
	State5			Left Tilt	0	346000	1730	108	0	220	-0.07	0.608	20.60	21.20	1.148	0.698	/
	State5			Right Cheek	0	346000	1730	108	0	220	0.03	0.192	20.60	21.20	1.148	0.220	/
	State5			Right Tilt	0	346000	1730	108	0	220	0.03	0.249	20.60	21.20	1.148	0.286	/
	State5			Left Cheek	0	349000	1745	1	1	220	0.12	0.803	20.50	21.20	1.175	0.944	/
	State5			Left Cheek	0	352000	1760	1	214	220	0.13	0.791	20.47	21.20	1.183	0.936	/
	State5			Left Cheek	0	349000	1745	108	0	220	-0.15	0.759	20.41	21.20	1.199	0.910	/
	State5			Left Cheek	0	352000	1760	108	0	220	0.17	0.780	20.66	21.20	1.132	0.883	/
	State5			Left Cheek	0	346000	1730	216	0	220	-0.08	0.765	20.65	21.20	1.135	0.868	/
Ant.5	State10	DFT-s-OFDM QPSK	SA	Left Cheek	0	349000	1745	1	108	225	0.01	0.814	20.19	20.70	1.125	0.916	/
	State10			Left Tilt	0	349000	1745	1	108	225	-0.06	0.503	20.19	20.70	1.125	0.566	/
	State10			Right Cheek	0	349000	1745	1	108	225	-0.04	0.168	20.19	20.70	1.125	0.189	/
	State10			Right Tilt	0	349000	1745	1	108	225	0.07	0.214	20.19	20.70	1.125	0.241	/
	State10			Left Cheek	0	349000	1745	108	108	225	0.03	0.650	20.18	20.70	1.127	0.733	/
	State10			Left Tilt	0	349000	1745	108	108	225	0.00	0.479	20.18	20.70	1.127	0.540	/
	State10			Right Cheek	0	349000	1745	108	108	225	0.01	0.154	20.18	20.70	1.127	0.174	/

	State10			Right Tilt	0	349000	1745	108	108	225	-0.14	0.201	20.18	20.70	1.127	0.227	/
	State10			Left Cheek	0	346000	1730	1	214	225	-0.10	0.651	19.94	20.70	1.191	0.775	/
	State10			Left Cheek	0	352000	1760	1	214	225	-0.16	0.629	20.07	20.70	1.156	0.727	/
	State10			Left Cheek	0	349000	1745	216	0	225	0.15	0.622	20.02	20.70	1.169	0.727	/
Ant.4	State5&10	DFT-s-OFDM QPSK	SA	Left Cheek	0	352000	1760	1	1	240	-0.11	0.280	24.73	25.00	1.064	0.298	/
	State5&10			Left Tilt	0	352000	1760	1	1	240	0.11	0.051	24.73	25.00	1.064	0.054	/
	State5&10			Right Cheek	0	352000	1760	1	1	240	0.15	0.133	24.73	25.00	1.064	0.142	/
	State5&10			Right Tilt	0	352000	1760	1	1	240	-0.13	0.066	24.73	25.00	1.064	0.070	/
	State5&10			Left Cheek	0	352000	1760	108	54	240	0.02	0.227	24.31	25.00	1.172	0.266	/
	State5&10			Left Tilt	0	352000	1760	108	54	240	-0.03	0.048	24.31	25.00	1.172	0.056	/
	State5&10			Right Cheek	0	352000	1760	108	54	240	-0.03	0.133	24.31	25.00	1.172	0.156	/
	State5&10			Right Tilt	0	352000	1760	108	54	240	-0.16	0.063	24.31	25.00	1.172	0.074	/
Body-Wron																	
Ant.3	State3	DFT-s-OFDM QPSK	SA	Front Side	15	352000	1760	1	1	215	0.15	0.234	21.74	22.30	1.138	0.266	/
	State3			Back Side	15	352000	1760	1	1	215	-0.03	0.300	21.74	22.30	1.138	**0.341**	89#
	State3			Front Side	15	352000	1760	108	0	215	0.00	0.202	21.79	22.30	1.125	0.227	/
	State3			Back Side	15	352000	1760	108	0	215	0.04	0.264	21.79	22.30	1.125	0.297	/
Ant.3	State8	DFT-s-OFDM QPSK	SA	Front Side	15	352000	1760	1	214	200	0.15	0.159	20.30	20.80	1.122	0.178	/
	State8			Back Side	15	352000	1760	1	214	200	-0.07	0.206	20.30	20.80	1.122	0.231	/
	State8			Front Side	15	352000	1760	108	0	200	-0.09	0.152	20.29	20.80	1.125	0.171	/
	State8			Back Side	15	352000	1760	108	0	200	-0.11	0.188	20.29	20.80	1.125	0.212	/
Ant.5	State3	DFT-s-OFDM QPSK	SA	Front Side	15	349000	1745	1	108	215	0.11	0.078	20.19	20.70	1.125	0.088	/
	State3			Back Side	15	349000	1745	1	108	215	-0.02	0.089	20.19	20.70	1.125	0.100	/
	State3			Front Side	15	349000	1745	108	108	215	0.08	0.069	20.18	20.70	1.127	0.078	/
	State3			Back Side	15	349000	1745	108	108	215	-0.09	0.088	20.18	20.70	1.127	0.099	/
Ant.5	State8	DFT-s-OFDM QPSK	SA	Front Side	15	349000	1745	1	1	200	-0.01	0.058	21.13	21.70	1.140	0.066	/
	State8			Back Side	15	349000	1745	1	1	200	0.05	0.064	21.13	21.70	1.140	0.073	/
	State8			Front Side	15	349000	1745	108	0	200	0.06	0.056	21.12	21.70	1.143	0.064	/
	State8			Back Side	15	349000	1745	108	0	200	0.12	0.067	21.12	21.70	1.143	0.077	/
Ant.4	State3	DFT-s-OFDM QPSK	SA	Front Side	15	352000	1760	1	1	210	0.16	0.105	21.70	22.00	1.072	0.113	/
	State3			Back Side	15	352000	1760	1	1	210	-0.01	0.142	21.70	22.00	1.072	0.152	/
	State3			Front Side	15	352000	1760	108	108	210	-0.15	0.102	21.59	22.00	1.099	0.112	/
	State3			Back Side	15	352000	1760	108	108	210	0.05	0.138	21.59	22.00	1.099	0.152	/
Ant.4	State8	DFT-s-OFDM QPSK	SA	Front Side	15	352000	1760	1	108	200	0.10	0.087	20.70	21.00	1.072	0.093	/
	State8			Back Side	15	352000	1760	1	108	200	-0.10	0.106	20.70	21.00	1.072	0.114	/
	State8			Front Side	15	352000	1760	108	108	200	-0.14	0.085	20.60	21.00	1.096	0.093	/
	State8			Back Side	15	352000	1760	108	108	200	-0.06	0.102	20.60	21.00	1.096	0.112	/
Hotspot																	
Ant.3	State8	DFT-s-OFDM QPSK	SA	Front Side	10	352000	1760	1	214	200	0.11	0.263	20.30	20.80	1.122	0.295	/
	State8			Back Side	10	352000	1760	1	214	200	-0.08	0.296	20.30	20.80	1.122	0.332	/
	State8			Right Edge	10	352000	1760	1	214	200	0.15	0.063	20.30	20.80	1.122	0.071	/
	State8			Top Edge	10	352000	1760	1	214	200	0.01	0.324	20.30	20.80	1.122	0.364	/
	State8			Front Side	10	352000	1760	108	0	200	0.17	0.218	20.29	20.80	1.125	0.245	/

	State8			Back Side	10	352000	1760	108	0	200	-0.14	0.242	20.29	20.80	1.125	0.272	/
	State8			Right Edge	10	352000	1760	108	0	200	-0.16	0.053	20.29	20.80	1.125	0.060	/
	State8			Top Edge	10	352000	1760	108	0	200	0.16	0.294	20.29	20.80	1.125	0.331	/
Ant.5	State8	DFT-s-OFDM QPSK	SA	Front Side	10	349000	1745	1	1	200	-0.06	0.051	21.13	21.70	1.140	0.058	/
	State8			Back Side	10	349000	1745	1	1	201	-0.15	0.054	21.13	21.70	1.140	0.062	/
	State8			Left Edge	10	349000	1745	1	1	202	0.03	0.063	21.13	21.70	1.140	0.072	/
	State8			Top Edge	10	349000	1745	1	1	204	-0.15	0.079	21.13	21.70	1.140	0.090	/
	State8			Front Side	10	349000	1745	108	0	206	-0.04	0.070	21.12	21.70	1.143	0.080	/
	State8			Back Side	10	349000	1745	108	0	207	0.01	0.074	21.12	21.70	1.143	0.085	/
	State8			Left Edge	10	349000	1745	108	0	208	0.13	0.079	21.12	21.70	1.143	0.090	/
	State8			Top Edge	10	349000	1745	108	0	210	-0.10	0.094	21.12	21.70	1.143	0.107	/
Ant.4	State8	DFT-s-OFDM QPSK	SA	Front Side	10	352000	1760	1	108	200	-0.14	0.235	20.70	21.00	1.072	0.252	/
	State8			Back Side	10	352000	1760	1	108	200	0.12	0.283	20.70	21.00	1.072	0.303	/
	State8			Left Edge	10	352000	1760	1	108	200	-0.02	0.019	20.70	21.00	1.072	0.020	/
	State8			Right Edge	10	352000	1760	1	108	200	0.09	0.096	20.70	21.00	1.072	0.103	/
	State8			Bottom Edge	10	352000	1760	1	108	200	0.04	0.391	20.70	21.00	1.072	**0.419**	90#
	State8			Front Side	10	352000	1760	108	108	200	-0.01	0.201	20.60	21.00	1.096	0.220	/
	State8			Back Side	10	352000	1760	108	108	200	0.17	0.227	20.60	21.00	1.096	0.249	/
	State8			Left Edge	10	352000	1760	108	108	200	-0.16	0.052	20.60	21.00	1.096	0.057	/
	State8			Right Edge	10	352000	1760	108	108	200	-0.16	0.055	20.60	21.00	1.096	0.060	/
	State8			Bottom Edge	10	352000	1760	108	108	200	-0.13	0.359	20.60	21.00	1.096	0.393	/

10.35 n38 (40MHz Bandwidth)

Antenna	Power Reduction	Mode	Information	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Setting	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 QPSK	SA	Left Cheek	0	519000	2595	1	104	175	0.08	0.546	18.12	18.70	1.143	0.624	/
	State5			Left Tilt	0	519000	2595	1	104	175	-0.09	0.755	18.12	18.70	1.143	0.863	/
	State5			Right Cheek	0	519000	2595	1	104	175	0.16	0.821	18.12	18.70	1.143	0.938	/
	State5			Right Tilt	0	519000	2595	1	104	175	-0.06	0.896	18.12	18.70	1.143	1.024	/
	State5			Left Cheek	0	519000	2595	50	28	175	-0.13	0.515	18.07	18.70	1.156	0.595	/
	State5			Left Tilt	0	519000	2595	50	28	175	-0.03	0.703	18.07	18.70	1.156	0.813	/
	State5			Right Cheek	0	519000	2595	50	28	175	-0.15	0.753	18.07	18.70	1.156	0.870	/
	State5			Right Tilt	0	519000	2595	50	28	175	-0.02	0.818	18.07	18.70	1.156	0.946	/
	State5			Right Tilt	0	518000	2590	1	104	175	-0.01	0.865	18.06	18.70	1.159	1.003	/
	State5			Right Tilt	0	520000	2600	1	53	175	0.01	0.877	18.07	18.70	1.156	1.014	/
	State5			Right Tilt	0	518000	2590	50	28	175	-0.05	0.805	17.97	18.70	1.183	0.952	/
	State5			Right Tilt	0	520000	2600	50	56	175	0.06	0.798	18.06	18.70	1.159	0.925	/
	State5			Right Tilt	0	519000	2595	100	0	175	0.04	0.785	18.06	18.70	1.159	0.910	/
Ant.3	State10	DFT-s-OFDM QPSK	SA	Left Cheek	0	519000	2595	1	1	160	-0.04	0.389	16.61	17.20	1.146	0.446	/
	State10			Left Tilt	0	519000	2595	1	1	160	-0.03	0.536	16.61	17.20	1.146	0.614	/
	State10			Right Cheek	0	519000	2595	1	1	160	-0.16	0.582	16.61	17.20	1.146	0.667	/
	State10			Right Tilt	0	519000	2595	1	1	160	0.08	0.623	16.61	17.20	1.146	0.714	/
	State10			Left Cheek	0	519000	2595	50	28	160	-0.11	0.365	16.69	17.20	1.125	0.411	/
	State10			Left Tilt	0	519000	2595	50	28	160	-0.06	0.492	16.69	17.20	1.125	0.554	/
	State10			Right Cheek	0	519000	2595	50	28	160	-0.04	0.522	16.69	17.20	1.125	0.587	/
	State10			Right Tilt	0	519000	2595	50	28	160	0.17	0.579	16.69	17.20	1.125	0.651	/
Ant.5	State5	DFT-s-OFDM QPSK	SA	Left Cheek	0	519000	2595	1	104	220	0.10	0.862	20.34	20.90	1.138	0.981	/
	State5			Left Tilt	0	519000	2595	1	104	220	-0.04	0.914	20.34	20.90	1.138	**1.040**	91#
	State5			Right Cheek	0	519000	2595	1	104	220	0.07	0.489	20.34	20.90	1.138	0.556	/
	State5			Right Tilt	0	519000	2595	1	104	220	0.00	0.614	20.34	20.90	1.138	0.699	/
	State5			Left Cheek	0	519000	2595	50	28	220	-0.09	0.768	20.37	20.90	1.130	0.868	/
	State5			Left Tilt	0	519000	2595	50	28	220	-0.09	0.774	20.37	20.90	1.130	0.875	/
	State5			Right Cheek	0	519000	2595	50	28	220	-0.07	0.440	20.37	20.90	1.130	0.497	/
	State5			Right Tilt	0	519000	2595	50	28	220	-0.15	0.548	20.37	20.90	1.130	0.619	/
	State5			Left Cheek	0	518000	2590	1	104	220	-0.03	0.816	20.31	20.90	1.146	0.935	/
	State5			Left Cheek	0	520000	2600	1	1	220	0.01	0.803	20.24	20.90	1.164	0.935	/
	State5			Left Cheek	0	518000	2590	50	56	220	-0.10	0.725	20.26	20.90	1.159	0.840	/
	State5			Left Cheek	0	520000	2600	50	56	220	0.08	0.708	20.17	20.90	1.183	0.838	/
	State5			Left Cheek	0	519000	2595	100	0	220	0.11	0.680	20.24	20.90	1.164	0.792	/
	State5			Left Tilt	0	518000	2590	1	104	220	-0.12	0.902	20.31	20.90	1.146	1.034	/
	State5			Left Tilt	0	520000	2600	1	1	220	-0.12	0.885	20.24	20.90	1.164	1.030	/

	State5			Left Tilt	0	518000	2590	50	56	220	-0.10	0.792	20.26	20.90	1.159	0.918	/
	State5			Left Tilt	0	520000	2600	50	56	220	-0.07	0.775	20.17	20.90	1.183	0.917	/
	State5			Left Tilt	0	519000	2595	100	0	220	0.06	0.745	20.24	20.90	1.164	0.867	/
Ant.5	State10	DFT-s-OFDM QPSK	SA	Left Cheek	0	519000	2595	1	1	205	0.08	0.610	18.79	19.40	1.151	0.702	/
	State10			Left Tilt	0	519000	2595	1	1	205	0.16	0.623	18.79	19.40	1.151	0.717	/
	State10			Right Cheek	0	519000	2595	1	1	205	0.10	0.346	18.79	19.40	1.151	0.398	/
	State10			Right Tilt	0	519000	2595	1	1	205	-0.13	0.421	18.79	19.40	1.151	0.485	/
	State10			Left Cheek	0	519000	2595	50	0	205	0.09	0.548	18.80	19.40	1.148	0.629	/
	State10			Left Tilt	0	519000	2595	50	0	205	-0.06	0.568	18.80	19.40	1.148	0.652	/
	State10			Right Cheek	0	519000	2595	50	0	205	-0.02	0.315	18.80	19.40	1.148	0.362	/
	State10			Right Tilt	0	519000	2595	50	0	205	-0.10	0.385	18.80	19.40	1.148	0.442	/
Ant.4	State5&10	DFT-s-OFDM QPSK	SA	Left Cheek	0	519000	2595	1	104	240	0.13	0.168	24.98	25.40	1.102	0.185	/
	State5&10			Left Tilt	0	519000	2595	1	104	240	-0.09	0.045	24.98	25.40	1.102	0.050	/
	State5&10			Right Cheek	0	519000	2595	1	104	240	0.01	0.125	24.98	25.40	1.102	0.138	/
	State5&10			Right Tilt	0	519000	2595	1	104	240	-0.01	0.038	24.98	25.40	1.102	0.042	/
	State5&10			Left Cheek	0	519000	2595	50	0	240	-0.10	0.135	23.97	25.40	1.390	0.188	/
	State5&10			Left Tilt	0	519000	2595	50	0	240	0.13	0.035	23.97	25.40	1.390	0.049	/
	State5&10			Right Cheek	0	519000	2595	50	0	240	0.04	0.102	23.97	25.40	1.390	0.142	/
	State5&10			Right Tilt	0	519000	2595	50	0	240	-0.05	0.025	23.97	25.40	1.390	0.035	/
Body-Wron																	
Ant.3	State3	DFT-s-OFDM QPSK	SA	Front Side	15	518000	2590	1	53	195	0.04	0.164	20.19	20.70	1.125	0.185	/
	State3			Back Side	15	518000	2590	1	53	195	-0.01	0.266	20.19	20.70	1.125	0.299	/
	State3			Front Side	15	518000	2590	50	56	195	0.07	0.158	20.17	20.70	1.130	0.179	/
	State3			Back Side	15	518000	2590	50	56	195	-0.05	0.254	20.17	20.70	1.130	0.287	/
Ant.3	State8	DFT-s-OFDM QPSK	SA	Front Side	15	518000	2590	1	53	180	0.08	0.115	18.70	19.20	1.122	0.129	/
	State8			Back Side	15	518000	2590	1	53	180	0.06	0.178	18.70	19.20	1.122	0.200	/
	State8			Front Side	15	518000	2590	50	56	180	0.17	0.102	18.65	19.20	1.135	0.116	/
	State8			Back Side	15	518000	2590	50	56	180	0.17	0.175	18.65	19.20	1.135	0.199	/
Ant.5	State3&8	DFT-s-OFDM QPSK	SA	Front Side	15	519000	2595	1	104	240	0.10	0.135	22.22	22.90	1.169	0.158	/
	State3&8			Back Side	15	519000	2595	1	104	240	0.10	0.201	22.22	22.90	1.169	0.235	/
	State3&8			Front Side	15	519000	2595	50	28	240	0.15	0.101	22.18	22.90	1.180	0.119	/
	State3&8			Back Side	15	519000	2595	50	28	240	-0.06	0.148	22.18	22.90	1.180	0.175	/
Ant.4	State3	DFT-s-OFDM QPSK	SA	Front Side	15	520000	2600	1	1	220	-0.05	0.256	22.85	23.40	1.135	0.291	/
	State3			Back Side	15	520000	2600	1	1	220	-0.03	0.324	22.85	23.40	1.135	**0.368**	92#
	State3			Front Side	15	520000	2600	50	28	220	0.14	0.239	22.88	23.40	1.127	0.269	/
	State3			Back Side	15	520000	2600	50	28	220	0.05	0.315	22.88	23.40	1.127	0.355	/
Ant.4	State8	DFT-s-OFDM QPSK	SA	Front Side	15	520000	2600	1	1	205	-0.10	0.182	21.29	21.90	1.151	0.209	/
	State8			Back Side	15	520000	2600	1	1	205	0.15	0.223	21.29	21.90	1.151	0.257	/
	State8			Front Side	15	520000	2600	50	28	205	0.01	0.168	21.37	21.90	1.130	0.190	/
	State8			Back Side	15	520000	2600	50	28	205	0.17	0.215	21.37	21.90	1.130	0.243	/
Hotspot																	
Ant.3	State8		SA	Front Side	10	519000	2595	1	53	180	0.09	0.154	18.70	19.20	1.122	0.173	/
	State8			Back Side	10	519000	2595	1	53	180	0.15	0.194	18.70	19.20	1.122	0.218	/

	State8	DFT-s-OFDM QPSK		Right Edge	10	519000	2595	1	53	180	0.05	0.064	18.70	19.20	1.122	0.072	/
	State8			Top Edge	10	519000	2595	1	53	180	0.06	0.362	18.70	19.20	1.122	0.406	/
	State8			Front Side	10	519000	2595	50	56	180	-0.08	0.148	18.65	19.20	1.135	0.168	/
	State8			Back Side	10	519000	2595	50	56	180	0.06	0.175	18.65	19.20	1.135	0.199	/
	State8			Left Edge	10	519000	2595	50	56	180	-0.09	0.021	18.65	19.20	1.135	0.024	/
	State8			Top Edge	10	519000	2595	50	56	180	-0.13	0.318	18.65	19.20	1.135	0.361	/
Ant.5	State8	DFT-s-OFDM QPSK	SA	Front Side	10	519000	2595	1	104	240	0.05	0.176	22.22	22.90	1.169	0.206	/
	State8			Back Side	10	519000	2595	1	104	240	-0.16	0.254	22.22	22.90	1.169	0.297	/
	State8			Left Edge	10	519000	2595	1	104	240	-0.08	0.066	22.22	22.90	1.169	0.077	/
	State8			Top Edge	10	519000	2595	1	104	240	0.05	0.592	22.22	22.90	1.169	**0.692**	93#
	State8			Front Side	10	519000	2595	50	28	240	0.07	0.148	22.18	22.90	1.180	0.175	/
	State8			Back Side	10	519000	2595	50	28	240	0.14	0.239	22.18	22.90	1.180	0.282	/
	State8			Left Edge	10	519000	2595	50	28	240	-0.15	0.060	22.18	22.90	1.180	0.071	/
	State8			Top Edge	10	519000	2595	50	28	240	0.10	0.512	22.18	22.90	1.180	0.604	/
Ant.4	State8	DFT-s-OFDM QPSK	SA	Front Side	10	519000	2595	1	1	205	0.12	0.322	21.29	21.90	1.151	0.371	/
	State8			Back Side	10	519000	2595	1	1	205	0.03	0.437	21.29	21.90	1.151	0.503	/
	State8			Left Edge	10	519000	2595	1	1	205	-0.03	0.016	21.29	21.90	1.151	0.018	/
	State8			Right Edge	10	519000	2595	1	1	205	-0.10	0.184	21.29	21.90	1.151	0.212	/
	State8			Bottom Edge	10	519000	2595	1	1	205	-0.09	0.342	21.29	21.90	1.151	0.394	/
	State8			Front Side	10	519000	2595	50	28	205	-0.11	0.289	21.37	21.90	1.130	0.327	/
	State8			Back Side	10	519000	2595	50	28	205	0.12	0.401	21.37	21.90	1.130	0.453	/
	State8			Left Edge	10	519000	2595	50	28	205	0.15	0.000	21.37	21.90	1.130	0.000	/
	State8			Right Edge	10	519000	2595	50	28	205	-0.15	0.191	21.37	21.90	1.130	0.216	/
	State8			Bottom Edge	10	519000	2595	50	28	205	0.04	0.354	21.37	21.90	1.130	0.400	/

10.36 n41 (100MHz Bandwidth)

Antenna	Power Reduction	Mode	Information	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Setting	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 QPSK	SA	Left Cheek	0	518598	2592.99	1	271	180	-0.11	0.486	18.05	18.50	1.109	0.539	/
	State5			Left Tilt	0	518598	2592.99	1	271	180	0.07	0.537	18.05	18.50	1.109	0.596	/
	State5			Right Cheek	0	518598	2592.99	1	271	180	0.08	0.720	18.05	18.50	1.109	0.798	/
	State5			Right Tilt	0	518598	2592.99	1	271	180	0.04	0.735	18.05	18.50	1.109	0.815	/
	State5			Left Cheek	0	518598	2592.99	135	0	180	-0.05	0.450	18.06	18.50	1.107	0.498	/
	State5			Left Tilt	0	518598	2592.99	135	0	180	0.05	0.568	18.06	18.50	1.107	0.629	/
	State5			Right Cheek	0	518598	2592.99	135	0	180	0.08	0.696	18.06	18.50	1.107	0.770	/
	State5			Right Tilt	0	518598	2592.99	135	0	180	-0.01	0.725	18.06	18.50	1.107	0.803	/
	State5			Right Tilt	0	509202	2546.01	1	1	180	0.03	0.734	17.83	18.50	1.167	0.857	/
	State5			Right Tilt	0	513900	2569.5	1	271	180	-0.11	0.658	18.00	18.50	1.122	0.738	/
	State5			Right Tilt	0	523302	2616.51	1	1	180	0.01	0.804	18.03	18.50	1.114	**0.896**	94#
	State5			Right Tilt	0	528000	2640	1	137	180	0.14	0.771	18.04	18.50	1.112	0.857	/
	State5			Right Tilt	0	509202	2546.01	135	138	180	-0.04	0.598	18.05	18.50	1.109	0.663	/
	State5			Right Tilt	0	513900	2569.5	135	0	180	0.05	0.675	18.00	18.50	1.122	0.757	/
	State5			Right Tilt	0	523302	2616.51	135	138	180	-0.08	0.683	17.95	18.50	1.135	0.775	/
	State5			Right Tilt	0	528000	2640	135	69	180	-0.05	0.652	18.02	18.50	1.117	0.728	/
	State5			Right Tilt	0	513900	2569.5	270	0	180	-0.01	0.678	18.09	18.50	1.099	0.745	/
Ant.3	State10	DFT-s-OFDM QPSK	SA	Left Cheek	0	528000	2640	1	1	160	0.03	0.424	17.08	17.50	1.102	0.467	/
	State10			Left Tilt	0	528000	2640	1	1	160	-0.05	0.470	17.08	17.50	1.102	0.518	/
	State10			Right Cheek	0	528000	2640	1	1	160	-0.10	0.623	17.08	17.50	1.102	0.687	/
	State10			Right Tilt	0	528000	2640	1	1	160	-0.13	0.630	17.08	17.50	1.102	0.694	/
	State10			Left Cheek	0	528000	2640	135	0	160	0.05	0.390	17.04	17.50	1.112	0.434	/
	State10			Left Tilt	0	528000	2640	135	0	160	-0.03	0.488	17.04	17.50	1.112	0.543	/
	State10			Right Cheek	0	528000	2640	135	0	160	-0.15	0.586	17.04	17.50	1.112	0.652	/
	State10			Right Tilt	0	528000	2640	135	0	160	0.01	0.608	17.04	17.50	1.112	0.676	/
Ant.5	State5	DFT-s-OFDM QPSK	SA	Left Cheek	0	528000	2640	1	271	220	0.10	0.589	20.28	20.70	1.102	0.649	/
	State5			Left Tilt	0	528000	2640	1	271	220	0.05	0.491	20.28	20.70	1.102	0.541	/
	State5			Right Cheek	0	528000	2640	1	271	220	0.05	0.328	20.28	20.70	1.102	0.361	/
	State5			Right Tilt	0	528000	2640	1	271	220	0.04	0.392	20.28	20.70	1.102	0.432	/
	State5			Left Cheek	0	528000	2640	135	0	220	-0.06	0.603	20.28	20.70	1.102	0.665	/
	State5			Left Tilt	0	528000	2640	135	0	220	-0.10	0.549	20.28	20.70	1.102	0.605	/
	State5			Right Cheek	0	528000	2640	135	0	220	0.05	0.329	20.28	20.70	1.102	0.363	/
	State5			Right Tilt	0	528000	2640	135	0	220	-0.13	0.420	20.28	20.70	1.102	0.463	/
Ant.5	State10	DFT-s-OFDM QPSK	SA	Left Cheek	0	528000	2640	1	271	200	-0.14	0.371	18.29	18.70	1.099	0.408	/
	State10			Left Tilt	0	528000	2640	1	271	200	0.04	0.308	18.29	18.70	1.099	0.338	/
	State10			Right Cheek	0	528000	2640	1	271	200	0.00	0.206	18.29	18.70	1.099	0.226	/

	State10			Right Tilt	0	528000	2640	1	271	200	0.07	0.243	18.29	18.70	1.099	0.267	/
	State10			Left Cheek	0	513900	2569.5	135	0	200	0.03	0.376	18.27	18.70	1.104	0.415	/
	State10			Left Tilt	0	513900	2569.5	135	0	200	0.04	0.344	18.27	18.70	1.104	0.380	/
	State10			Right Cheek	0	513900	2569.5	135	0	200	0.02	0.206	18.27	18.70	1.104	0.227	/
	State10			Right Tilt	0	513900	2569.5	135	0	200	-0.13	0.263	18.27	18.70	1.104	0.290	/
Ant.4	State5&10	DFT-s-OFDM QPSK	SA	Left Cheek	0	518598	2592.99	1	1	270	0.16	0.419	26.32	26.70	1.091	0.457	/
	State5&10			Left Tilt	0	518598	2592.99	1	271	270	-0.13	0.144	26.32	26.70	1.091	0.157	/
	State5&10			Right Cheek	0	518598	2592.99	1	271	270	0.08	0.191	26.32	26.70	1.091	0.208	/
	State5&10			Right Tilt	0	518598	2592.99	1	271	270	-0.13	0.095	26.32	26.70	1.091	0.104	/
	State5&10			Left Cheek	0	523302	2616.51	135	69	270	-0.07	0.365	26.18	26.70	1.127	0.411	/
	State5&10			Left Tilt	0	523302	2616.51	135	69	270	0.14	0.117	26.18	26.70	1.127	0.132	/
	State5&10			Right Cheek	0	523302	2616.51	135	69	270	-0.01	0.151	26.18	26.70	1.127	0.170	/
	State5&10			Right Tilt	0	523302	2616.51	135	69	270	-0.01	0.076	26.18	26.70	1.127	0.086	/
Body-Wron																	
Ant.3	State3	DFT-s-OFDM QPSK	SA	Front Side	15	513900	2569.5	1	271	195	-0.15	0.128	20.08	20.50	1.102	0.141	/
	State3			Back Side	15	513900	2569.5	1	271	195	0.05	0.258	20.08	20.50	1.102	0.284	/
	State3			Front Side	15	523302	2616.51	135	69	195	-0.12	0.126	20.10	20.50	1.096	0.138	/
	State3			Back Side	15	523302	2616.51	135	69	195	-0.02	0.253	20.10	20.50	1.096	0.277	/
Ant.3	State8	DFT-s-OFDM QPSK	SA	Front Side	15	523302	2616.51	1	271	180	0.09	0.090	18.52	19.00	1.117	0.101	/
	State8			Back Side	15	523302	2616.51	1	271	180	0.14	0.185	18.52	19.00	1.117	0.207	/
	State8			Front Side	15	528000	2640	135	69	180	0.05	0.087	18.57	19.00	1.104	0.096	/
	State8			Back Side	15	528000	2640	135	69	180	-0.07	0.176	18.57	19.00	1.104	0.194	/
Ant.5	State3	DFT-s-OFDM QPSK	SA	Front Side	15	513900	2569.5	1	137	270	0.05	0.245	23.41	24.20	1.199	0.294	/
	State3			Back Side	15	513900	2569.5	1	137	270	0.06	0.277	23.41	24.20	1.199	0.332	/
	State3			Front Side	15	509202	2546.01	135	69	270	0.16	0.228	23.17	24.20	1.268	0.289	/
	State3			Back Side	15	509202	2546.01	135	69	270	0.08	0.253	23.17	24.20	1.268	0.321	/
Ant.5	State8	DFT-s-OFDM QPSK	SA	Front Side	15	523302	2616.51	1	137	240	0.05	0.171	22.29	22.70	1.099	0.188	/
	State8			Back Side	15	523302	2616.51	1	137	240	0.06	0.195	22.29	22.70	1.099	0.214	/
	State8			Front Side	15	523302	2616.51	135	138	240	0.13	0.158	22.26	22.70	1.107	0.175	/
	State8			Back Side	15	523302	2616.51	135	138	240	-0.02	0.176	22.26	22.70	1.107	0.195	/
Ant.4	State3	DFT-s-OFDM QPSK	SA	Front Side	15	518598	2592.99	1	137	270	0.11	0.156	23.28	23.70	1.102	0.172	/
	State3			Back Side	15	518598	2592.99	1	137	225	-0.09	0.335	23.28	23.70	1.102	**0.369**	95#
	State3			Front Side	15	518598	2592.99	135	138	225	0.04	0.154	23.28	23.70	1.102	0.170	/
	State3			Back Side	15	518598	2592.99	135	138	225	-0.08	0.330	23.28	23.70	1.102	0.364	/
Ant.4	State8	DFT-s-OFDM QPSK	SA	Front Side	15	509202	2546.01	1	137	200	-0.06	0.087	20.76	21.20	1.107	0.096	/
	State8			Back Side	15	509202	2546.01	1	137	200	0.10	0.186	20.76	21.20	1.107	0.206	/
	State8			Front Side	15	528000	2640	135	0	200	-0.05	0.086	20.77	21.20	1.104	0.095	/
	State8			Back Side	15	528000	2640	135	0	200	-0.05	0.183	20.77	21.20	1.104	0.202	/
Hotspot																	
Ant.3	State8	DFT-s-OFDM QPSK	SA	Front Side	10	523302	2616.51	1	271	180	-0.07	0.123	18.52	19.00	1.117	0.137	/
	State8			Back Side	10	523302	2616.51	1	271	180	0.14	0.173	18.52	19.00	1.117	0.193	/
	State8			Right Edge	10	523302	2616.51	1	271	180	-0.01	0.073	18.52	19.00	1.117	0.082	/
	State8			Top Edge	10	523302	2616.51	1	271	180	-0.03	0.303	18.52	19.00	1.117	0.338	/

	State8			Front Side	10	528000	2640	135	69	180	0.13	0.137	18.57	19.00	1.104	0.151	/
	State8			Back Side	10	528000	2640	135	69	180	0.13	0.168	18.57	19.00	1.104	0.185	/
	State8			Right Edge	10	528000	2640	135	69	180	0.06	0.069	18.57	19.00	1.104	0.076	/
	State8			Top Edge	10	528000	2640	135	69	180	-0.05	0.301	18.57	19.00	1.104	0.332	/
Ant.5	State8	DFT-s-OFDM QPSK	SA	Front Side	10	523302	2616.51	1	137	240	0.07	0.200	22.29	22.70	1.099	0.220	/
	State8			Back Side	10	523302	2616.51	1	137	240	0.13	0.244	22.29	22.70	1.099	0.268	/
	State8			Left Edge	10	523302	2616.51	1	137	240	0.09	0.045	22.29	22.70	1.099	0.049	/
	State8			Top Edge	10	523302	2616.51	1	137	240	-0.05	0.502	22.29	22.70	1.099	**0.552**	96#
	State8			Front Side	10	523302	2616.51	135	138	240	-0.09	0.198	22.26	22.70	1.107	0.219	/
	State8			Back Side	10	523302	2616.51	135	138	240	-0.04	0.241	22.26	22.70	1.107	0.267	/
	State8			Left Edge	10	523302	2616.51	135	138	240	-0.01	0.046	22.26	22.70	1.107	0.051	/
	State8			Top Edge	10	523302	2616.51	135	138	240	0.17	0.496	22.26	22.70	1.107	0.549	/
Ant.4	State8	DFT-s-OFDM QPSK	SA	Front Side	10	509202	2546.01	1	137	200	0.04	0.176	20.76	21.20	1.107	0.195	/
	State8			Back Side	10	509202	2546.01	1	137	200	0.10	0.358	20.76	21.20	1.107	0.396	/
	State8			Left Edge	10	509202	2546.01	1	137	200	0.05	0.036	20.76	21.20	1.107	0.040	/
	State8			Right Edge	10	509202	2546.01	1	137	200	-0.04	0.072	20.76	21.20	1.107	0.080	/
	State8			Bottom Edge	10	509202	2546.01	1	137	200	0.02	0.299	20.76	21.20	1.107	0.331	/
	State8			Front Side	10	528000	2640	135	0	200	-0.09	0.149	20.77	21.20	1.104	0.164	/
	State8			Back Side	10	528000	2640	135	0	200	0.01	0.267	20.77	21.20	1.104	0.295	/
	State8			Left Edge	10	528000	2640	135	0	200	0.11	0.031	20.77	21.20	1.104	0.034	/
	State8			Right Edge	10	528000	2640	135	0	200	0.14	0.065	20.77	21.20	1.104	0.072	/
	State8			Bottom Edge	10	528000	2640	135	0	200	-0.11	0.260	20.77	21.20	1.104	0.287	/

10.37 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.8	Level1	802.11 b	Left Cheek	0	6	2437	-0.11	0.763	15.84	16.00	1.038	98.20	1.018	0.806	/
	Level1	802.11 b	Left Tilt	0	6	2437	-0.12	0.149	15.84	16.00	1.038	98.20	1.018	0.157	/
	Level1	802.11 b	Right Cheek	0	6	2437	-0.01	0.214	15.84	16.00	1.038	98.20	1.018	0.226	/
	Level1	802.11 b	Right Tilt	0	6	2437	-0.11	0.069	15.84	16.00	1.038	98.20	1.018	0.073	/
	Level1	802.11 b	Left Cheek	0	1	2412	0.08	0.842	15.22	16.00	1.197	98.20	1.018	1.026	/
	Level1	802.11 b	Left Cheek	0	11	2462	0.04	0.978	15.68	16.00	1.076	98.20	1.018	**1.071**	97#
Ant.8	Level3	802.11 b	Left Cheek	0	6	2437	0.03	0.436	13.90	14.00	1.023	98.20	1.018	0.454	/
	Level3	802.11 b	Left Tilt	0	6	2437	0.11	0.092	13.90	14.00	1.023	98.20	1.018	0.096	/
	Level3	802.11 b	Right Cheek	0	6	2437	-0.12	0.138	13.90	14.00	1.023	98.20	1.018	0.144	/
	Level3	802.11 b	Right Tilt	0	6	2437	-0.08	0.045	13.90	14.00	1.023	98.20	1.018	0.047	/
Body-Wron															
Ant.8	Level5&7	802.11 b	Front Side	15	6	2437	0.06	0.086	17.86	18.00	1.033	98.20	1.018	0.090	/
	Level5&7	802.11 b	Back Side	15	6	2437	-0.11	0.162	17.86	18.00	1.033	98.20	1.018	0.170	/
Ant.8	Level5	802.11 g	Front Side	15	6	2437	-0.09	0.127	19.44	20.00	1.138	97.60	1.025	0.148	/
	Level5	802.11 g	Back Side	15	6	2437	-0.07	0.242	19.44	20.00	1.138	97.60	1.025	**0.282**	98#
Ant.8	Level7	802.11 g	Front Side	15	6	2437	-0.07	0.089	17.88	18.50	1.153	97.60	1.025	0.105	/
	Level7	802.11 g	Back Side	15	6	2437	0.06	0.168	17.88	18.50	1.153	97.60	1.025	0.199	/
Hotspot															
Ant.8	Level7	802.11 b	Front Side	10	6	2437	0.04	0.161	17.86	18.00	1.033	98.20	1.018	0.169	/
	Level7	802.11 b	Back Side	10	6	2437	-0.03	0.163	17.86	18.00	1.033	98.20	1.018	0.171	/
	Level7	802.11 b	Left Edge	10	6	2437	0.11	0.281	17.86	18.00	1.033	98.20	1.018	0.295	/
	Level7	802.11 b	Top Edge	10	6	2437	0.05	0.045	17.86	18.00	1.033	98.20	1.018	0.047	/
Ant.8	Level7	802.11 g	Front Side	10	6	2437	-0.11	0.169	17.88	18.50	1.153	97.60	1.025	0.200	/
	Level7	802.11 g	Back Side	10	6	2437	0.02	0.169	17.88	18.50	1.153	97.60	1.025	0.200	/
	Level7	802.11 g	Left Edge	10	6	2437	-0.05	0.292	17.88	18.50	1.153	97.60	1.025	**0.345**	99#
	Level7	802.11 g	Top Edge	10	6	2437	-0.02	0.047	17.88	18.50	1.153	97.60	1.025	0.056	/

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.8	Level5&7	802.11 b	Front Side	0	6	2437	0.03	0.548	17.86	18.00	1.033	98.20	1.018	0.576	/
	Level5&7	802.11 b	Back Side	0	6	2437	-0.04	0.510	17.86	18.00	1.033	98.20	1.018	0.536	/
	Level5&7	802.11 b	Left Edge	0	6	2437	0.05	0.886	17.86	18.00	1.033	98.20	1.018	0.932	/
	Level5&7	802.11 b	Top Edge	0	6	2437	0.00	0.065	17.86	18.00	1.033	98.20	1.018	0.068	/
Ant.8	Level5	802.11 g	Front Side	0	6	2437	-0.08	0.821	19.44	20.00	1.138	97.60	1.025	0.958	/
	Level5	802.11 g	Back Side	0	6	2437	0.01	0.764	19.44	20.00	1.138	97.60	1.025	0.891	/
	Level5	802.11 g	Left Edge	0	6	2437	0.03	1.550	19.44	20.00	1.138	97.60	1.025	**1.808**	100#
	Level5	802.11 g	Top Edge	0	6	2437	0.02	0.103	19.44	20.00	1.138	97.60	1.025	0.120	/
Ant.8	Level7	802.11 g	Front Side	0	6	2437	0.04	0.562	17.88	18.50	1.153	97.60	1.025	0.664	/
	Level7	802.11 g	Back Side	0	6	2437	-0.10	0.521	17.88	18.50	1.153	97.60	1.025	0.616	/
	Level7	802.11 g	Left Edge	0	6	2437	-0.11	0.919	17.88	18.50	1.153	97.60	1.025	1.086	/
	Level7	802.11 g	Top Edge	0	6	2437	-0.06	0.068	17.88	18.50	1.153	97.60	1.025	0.080	/

10.38 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	802.11 n (HT40)	Left Cheek	0	54	5270	0.09	0.612	14.00	15.00	1.259	93.50	1.070	**0.824**	101#
	5.3G	Level1	802.11 n (HT40)	Left Tilt	0	54	5270	-0.11	0.363	14.00	15.00	1.259	93.50	1.070	0.489	/
	5.3G	Level1	802.11 n (HT40)	Right Cheek	0	54	5270	0.05	0.173	14.00	15.00	1.259	93.50	1.070	0.233	/
	5.3G	Level1	802.11 n (HT40)	Right Tilt	0	54	5270	-0.05	0.048	14.00	15.00	1.259	93.50	1.070	0.065	/
	5.3G	Level1	802.11 n (HT40)	Left Cheek	0	62	5310	0.02	0.239	9.63	11.00	1.371	93.50	1.070	0.351	/
Ant.8	5.3G	Level2	802.11 n (HT40)	Left Cheek	0	54	5270	-0.03	0.482	13.14	14.00	1.219	93.50	1.070	0.629	/
	5.3G	Level2	802.11 n (HT40)	Left Tilt	0	54	5270	0.11	0.285	13.14	14.00	1.219	93.50	1.070	0.372	/
	5.3G	Level2	802.11 n (HT40)	Right Cheek	0	54	5270	0.04	0.136	13.14	14.00	1.219	93.50	1.070	0.177	/
	5.3G	Level2	802.11 n (HT40)	Right Tilt	0	54	5270	-0.10	0.039	13.14	14.00	1.219	93.50	1.070	0.051	/
Ant.8	5.3G	Level3	802.11 n (HT40)	Left Cheek	0	54	5270	0.03	0.340	11.43	12.50	1.279	93.50	1.070	0.465	/
	5.3G	Level3	802.11 n (HT40)	Left Tilt	0	54	5270	-0.09	0.208	11.43	12.50	1.279	93.50	1.070	0.285	/
	5.3G	Level3	802.11 n (HT40)	Right Cheek	0	54	5270	0.03	0.096	11.43	12.50	1.279	93.50	1.070	0.131	/
	5.3G	Level3	802.11 n (HT40)	Right Tilt	0	54	5270	-0.05	0.025	11.43	12.50	1.279	93.50	1.070	0.034	/
Ant.8	5.3G	Level4	802.11 n (HT40)	Left Cheek	0	54	5270	0.08	0.241	10.03	11.00	1.250	93.50	1.070	0.322	/
	5.3G	Level4	802.11 n (HT40)	Left Tilt	0	54	5270	-0.05	0.144	10.03	11.00	1.250	93.50	1.070	0.193	/
	5.3G	Level4	802.11 n (HT40)	Right Cheek	0	54	5270	0.08	0.068	10.03	11.00	1.250	93.50	1.070	0.091	/
	5.3G	Level4	802.11 n (HT40)	Right Tilt	0	54	5270	-0.07	0.020	10.03	11.00	1.250	93.50	1.070	0.027	/
Ant.8	5.6G	Level1	802.11 ac (VHT80)	Left Cheek	0	122	5610	-0.01	0.336	13.57	15.00	1.390	91.20	1.096	**0.512**	102#

	5.6G	Level1	802.11 ac (VHT80)	Left Tilt	0	122	5610	0.10	0.193	13.57	15.00	1.390	91.20	1.096	0.294	/
	5.6G	Level1	802.11 ac (VHT80)	Right Cheek	0	122	5610	-0.09	0.132	13.57	15.00	1.390	91.20	1.096	0.201	/
	5.6G	Level1	802.11 ac (VHT80)	Right Tilt	0	122	5610	-0.07	0.038	13.57	15.00	1.390	91.20	1.096	0.058	/
Ant.8	5.6G	Level2	802.11 ac (VHT80)	Left Cheek	0	122	5610	0.07	0.263	12.69	14.00	1.352	91.20	1.096	0.390	/
	5.6G	Level2	802.11 ac (VHT80)	Left Tilt	0	122	5610	-0.06	0.155	12.69	14.00	1.352	91.20	1.096	0.230	/
	5.6G	Level2	802.11 ac (VHT80)	Right Cheek	0	122	5610	0.06	0.108	12.69	14.00	1.352	91.20	1.096	0.160	/
	5.6G	Level2	802.11 ac (VHT80)	Right Tilt	0	122	5610	0.02	0.032	12.69	14.00	1.352	91.20	1.096	0.047	/
Ant.8	5.6G	Level3	802.11 ac (VHT80)	Left Cheek	0	122	5610	-0.09	0.192	11.06	12.50	1.393	91.20	1.096	0.293	/
	5.6G	Level3	802.11 ac (VHT80)	Left Tilt	0	122	5610	0.12	0.110	11.06	12.50	1.393	91.20	1.096	0.168	/
	5.6G	Level3	802.11 ac (VHT80)	Right Cheek	0	122	5610	0.04	0.072	11.06	12.50	1.393	91.20	1.096	0.110	/
	5.6G	Level3	802.11 ac (VHT80)	Right Tilt	0	122	5610	0.05	0.020	11.06	12.50	1.393	91.20	1.096	0.031	/
Ant.8	5.6G	Level4	802.11 ac (VHT80)	Left Cheek	0	122	5610	-0.02	0.131	9.65	11.00	1.365	91.20	1.096	0.196	/
	5.6G	Level4	802.11 ac (VHT80)	Left Tilt	0	122	5610	0.09	0.074	9.65	11.00	1.365	91.20	1.096	0.111	/
	5.6G	Level4	802.11 ac (VHT80)	Right Cheek	0	122	5610	0.03	0.051	9.65	11.00	1.365	91.20	1.096	0.076	/
	5.6G	Level4	802.11 ac (VHT80)	Right Tilt	0	122	5610	0.11	0.016	9.65	11.00	1.365	91.20	1.096	0.024	/
Ant.8	5.8G	Level1	802.11 ac (VHT80)	Left Cheek	0	155	5775	0.04	0.303	13.53	15.00	1.403	91.20	1.096	**0.466**	103#
	5.8G	Level1	802.11 ac (VHT80)	Left Tilt	0	155	5775	0.10	0.125	13.53	15.00	1.403	91.20	1.096	0.192	/
	5.8G	Level1	802.11 ac (VHT80)	Right Cheek	0	155	5775	0.07	0.124	13.53	15.00	1.403	91.20	1.096	0.191	/
	5.8G	Level1	802.11 ac (VHT80)	Right Tilt	0	155	5775	0.07	0.042	13.53	15.00	1.403	91.20	1.096	0.065	/
Ant.8	5.8G	Level2	802.11 ac (VHT80)	Left Cheek	0	155	5775	-0.04	0.238	12.51	14.00	1.409	91.20	1.096	0.368	/
	5.8G	Level2	802.11 ac (VHT80)	Left Tilt	0	155	5775	0.08	0.096	12.51	14.00	1.409	91.20	1.096	0.148	/
	5.8G	Level2	802.11 ac (VHT80)	Right Cheek	0	155	5775	0.09	0.095	12.51	14.00	1.409	91.20	1.096	0.147	/

	5.8G	Level2	802.11 ac (VHT80)	Right Tilt	0	155	5775	-0.04	0.032	12.51	14.00	1.409	91.20	1.096	0.049	/
Ant.8	5.8G	Level3	802.11 ac (VHT80)	Left Cheek	0	155	5775	-0.01	0.168	11.09	12.50	1.384	91.20	1.096	0.255	/
	5.8G	Level3	802.11 ac (VHT80)	Left Tilt	0	155	5775	-0.05	0.069	11.09	12.50	1.384	91.20	1.096	0.105	/
	5.8G	Level3	802.11 ac (VHT80)	Right Cheek	0	155	5775	-0.07	0.070	11.09	12.50	1.384	91.20	1.096	0.106	/
	5.8G	Level3	802.11 ac (VHT80)	Right Tilt	0	155	5775	-0.07	0.021	11.09	12.50	1.384	91.20	1.096	0.032	/
Ant.8	5.8G	Level4	802.11 ac (VHT80)	Left Cheek	0	155	5775	-0.04	0.120	9.68	11.00	1.355	91.20	1.096	0.178	/
	5.8G	Level4	802.11 ac (VHT80)	Left Tilt	0	155	5775	0.04	0.049	9.68	11.00	1.355	91.20	1.096	0.073	/
	5.8G	Level4	802.11 ac (VHT80)	Right Cheek	0	155	5775	-0.04	0.050	9.68	11.00	1.355	91.20	1.096	0.074	/
	5.8G	Level4	802.11 ac (VHT80)	Right Tilt	0	155	5775	0.04	0.015	9.68	11.00	1.355	91.20	1.096	0.022	/
Body-worn																
Ant.8	5.3G	Level5	802.11 n (HT40)	Front Side	15	54	5270	-0.01	0.143	19.02	20.00	1.253	93.50	1.070	0.192	/
	5.3G	Level5	802.11 n (HT40)	Back Side	15	54	5270	0.03	0.206	19.02	20.00	1.253	93.50	1.070	**0.276**	104#
Ant.8	5.3G	Level6	802.11 n (HT40)	Front Side	15	54	5270	0.14	0.052	14.89	16.00	1.291	93.50	1.070	0.072	/
	5.3G	Level6	802.11 n (HT40)	Back Side	15	54	5270	-0.13	0.074	14.89	16.00	1.291	93.50	1.070	0.102	/
Ant.8	5.3G	Level7	802.11 n (HT40)	Front Side	15	54	5270	-0.02	0.038	13.14	14.00	1.219	93.50	1.070	0.050	/
	5.3G	Level7	802.11 n (HT40)	Back Side	15	54	5270	0.00	0.051	13.14	14.00	1.219	93.50	1.070	0.067	/
Ant.8	5.3G	Level8	802.11 n (HT40)	Front Side	15	54	5270	-0.01	0.029	11.95	13.00	1.274	93.50	1.070	0.040	/
	5.3G	Level8	802.11 n (HT40)	Back Side	15	54	5270	-0.14	0.041	11.95	13.00	1.274	93.50	1.070	0.056	/
Ant.8	5.6G	Level5	802.11 n (HT40)	Front Side	15	110	5550	-0.14	0.173	18.43	19.50	1.279	93.50	1.070	0.237	/
	5.6G	Level5	802.11 n (HT40)	Back Side	15	110	5550	0.03	0.249	18.43	19.50	1.279	93.50	1.070	**0.341**	105#
Ant.8	5.6G	Level6	802.11 ac (VHT80)	Front Side	15	122	5610	-0.04	0.076	14.54	16.00	1.400	91.20	1.096	0.117	/
	5.6G	Level6	802.11 ac (VHT80)	Back Side	15	122	5610	-0.04	0.108	14.54	16.00	1.400	91.20	1.096	0.166	/

Ant.8	5.6G	Level7	802.11 ac (VHT80)	Front Side	15	122	5610	0.03	0.049	12.69	14.00	1.352	91.20	1.096	0.073	/
	5.6G	Level7	802.11 ac (VHT80)	Back Side	15	122	5610	0.01	0.067	12.69	14.00	1.352	91.20	1.096	0.099	/
Ant.8	5.6G	Level8	802.11 ac (VHT80)	Front Side	15	122	5610	-0.14	0.037	11.65	13.00	1.365	91.20	1.096	0.055	/
	5.6G	Level8	802.11 ac (VHT80)	Back Side	15	122	5610	-0.13	0.052	11.65	13.00	1.365	91.20	1.096	0.078	/
Ant.8	5.8G	Level5	802.11 ac (VHT80)	Front Side	15	155	5775	-0.06	0.125	18.16	19.50	1.361	91.20	1.096	0.186	/
	5.8G	Level5	802.11 ac (VHT80)	Back Side	15	155	5775	0.05	0.179	18.16	19.50	1.361	91.20	1.096	**0.267**	106#
Ant.8	5.8G	Level6	802.11 ac (VHT80)	Front Side	15	155	5775	0.08	0.056	14.59	16.00	1.384	91.20	1.096	0.085	/
	5.8G	Level6	802.11 ac (VHT80)	Back Side	15	155	5775	0.08	0.075	14.59	16.00	1.384	91.20	1.096	0.114	/
Ant.8	5.8G	Level7	802.11 ac (VHT80)	Front Side	15	155	5775	-0.09	0.036	12.51	14.00	1.409	91.20	1.096	0.056	/
	5.8G	Level7	802.11 ac (VHT80)	Back Side	15	155	5775	0.09	0.048	12.51	14.00	1.409	91.20	1.096	0.074	/
Ant.8	5.8G	Level8	802.11 ac (VHT80)	Front Side	15	155	5775	-0.02	0.027	11.51	13.00	1.409	91.20	1.096	0.042	/
	5.8G	Level8	802.11 ac (VHT80)	Back Side	15	155	5775	-0.03	0.037	11.51	13.00	1.409	91.20	1.096	0.057	/
Hotspot																
Ant.8	5.2G	Level6	802.11 n (HT40)	Front Side	10	46	5230	0.01	0.062	15.20	16.00	1.202	93.50	1.070	0.080	/
	5.2G	Level6	802.11 n (HT40)	Back Side	10	46	5230	-0.05	0.086	15.20	16.00	1.202	93.50	1.070	0.111	/
	5.2G	Level6	802.11 n (HT40)	Left Edge	10	46	5230	0.07	0.187	15.20	16.00	1.202	93.50	1.070	**0.241**	107#
	5.2G	Level6	802.11 n (HT40)	Top Edge	10	46	5230	0.05	0.063	15.20	16.00	1.202	93.50	1.070	0.081	/
Ant.8	5.2G	Level7	802.11 n (HT40)	Front Side	10	46	5230	-0.05	0.038	13.04	14.00	1.247	93.50	1.070	0.051	/
	5.2G	Level7	802.11 n (HT40)	Back Side	10	46	5230	0.06	0.055	13.04	14.00	1.247	93.50	1.070	0.073	/
	5.2G	Level7	802.11 n (HT40)	Left Edge	10	46	5230	-0.05	0.116	13.04	14.00	1.247	93.50	1.070	0.155	/
	5.2G	Level7	802.11 n (HT40)	Top Edge	10	46	5230	0.00	0.040	13.04	14.00	1.247	93.50	1.070	0.053	/
Ant.8	5.2G	Level8	802.11 ac (VHT80)	Front Side	10	42	5210	-0.11	0.030	12.29	13.00	1.178	91.20	1.096	0.039	/

	5.2G	Level8	802.11 ac (VHT80)	Back Side	10	42	5210	0.11	0.042	12.29	13.00	1.178	91.20	1.096	0.054	/
	5.2G	Level8	802.11 ac (VHT80)	Left Edge	10	42	5210	0.05	0.093	12.29	13.00	1.178	91.20	1.096	0.120	/
	5.2G	Level8	802.11 ac (VHT80)	Top Edge	10	42	5210	0.05	0.033	12.29	13.00	1.178	91.20	1.096	0.043	/
Ant.8	5.8G	Level6	802.11 ac (VHT80)	Front Side	10	155	5775	-0.03	0.104	14.59	16.00	1.384	91.20	1.096	0.158	/
	5.8G	Level6	802.11 ac (VHT80)	Back Side	10	155	5775	-0.01	0.154	14.59	16.00	1.384	91.20	1.096	0.234	/
	5.8G	Level6	802.11 ac (VHT80)	Left Edge	10	155	5775	0.02	0.162	14.59	16.00	1.384	91.20	1.096	**0.246**	108#
	5.8G	Level6	802.11 ac (VHT80)	Top Edge	10	155	5775	-0.07	0.107	14.59	16.00	1.384	91.20	1.096	0.162	/
Ant.8	5.8G	Level7	802.11 ac (VHT80)	Front Side	10	155	5775	-0.10	0.067	12.51	14.00	1.409	91.20	1.096	0.103	/
	5.8G	Level7	802.11 ac (VHT80)	Back Side	10	155	5775	0.02	0.098	12.51	14.00	1.409	91.20	1.096	0.151	/
	5.8G	Level7	802.11 ac (VHT80)	Left Edge	10	155	5775	0.02	0.103	12.51	14.00	1.409	91.20	1.096	0.159	/
	5.8G	Level7	802.11 ac (VHT80)	Top Edge	10	155	5775	0.01	0.068	12.51	14.00	1.409	91.20	1.096	0.105	/
Ant.8	5.8G	Level8	802.11 ac (VHT80)	Front Side	10	155	5775	-0.03	0.053	11.51	13.00	1.409	91.20	1.096	0.082	/
	5.8G	Level8	802.11 ac (VHT80)	Back Side	10	155	5775	0.12	0.079	11.51	13.00	1.409	91.20	1.096	0.122	/
	5.8G	Level8	802.11 ac (VHT80)	Left Edge	10	155	5775	-0.08	0.083	11.51	13.00	1.409	91.20	1.096	0.128	/
	5.8G	Level8	802.11 ac (VHT80)	Top Edge	10	155	5775	0.03	0.052	11.51	13.00	1.409	91.20	1.096	0.080	/

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	802.11 n (HT40)	Front Side	0	54	5270	-0.05	0.798	19.02	20.00	1.253	93.50	1.070	1.070	/
	5.3G	Level5	802.11 n (HT40)	Back Side	0	54	5270	-0.05	0.651	19.02	20.00	1.253	93.50	1.070	0.873	/
	5.3G	Level5	802.11 n (HT40)	Left Edge	0	54	5270	-0.13	1.780	19.02	20.00	1.253	93.50	1.070	**2.386**	109#
	5.3G	Level5	802.11 n (HT40)	Top Edge	0	54	5270	0.07	0.390	19.02	20.00	1.253	93.50	1.070	0.523	/
	5.3G	Level5	802.11 n (HT40)	Left Edge	0	62	5310	-0.09	0.214	9.63	11.00	1.371	93.50	1.070	0.314	/
Ant.8	5.3G	Level6	802.11 n (HT40)	Front Side	0	54	5270	0.02	0.298	14.89	16.00	1.291	93.50	1.070	0.412	/
	5.3G	Level6	802.11 n (HT40)	Back Side	0	54	5270	-0.01	0.242	14.89	16.00	1.291	93.50	1.070	0.334	/
	5.3G	Level6	802.11 n (HT40)	Left Edge	0	54	5270	-0.12	0.667	14.89	16.00	1.291	93.50	1.070	0.921	/
	5.3G	Level6	802.11 n (HT40)	Top Edge	0	54	5270	0.12	0.147	14.89	16.00	1.291	93.50	1.070	0.203	/
Ant.8	5.3G	Level7	802.11 n (HT40)	Front Side	0	54	5270	-0.06	0.199	13.14	14.00	1.219	93.50	1.070	0.260	/
	5.3G	Level7	802.11 n (HT40)	Back Side	0	54	5270	-0.10	0.162	13.14	14.00	1.219	93.50	1.070	0.211	/
	5.3G	Level7	802.11 n (HT40)	Left Edge	0	54	5270	0.08	0.440	13.14	14.00	1.219	93.50	1.070	0.574	/
	5.3G	Level7	802.11 n (HT40)	Top Edge	0	54	5270	0.02	0.096	13.14	14.00	1.219	93.50	1.070	0.125	/
Ant.8	5.3G	Level8	802.11 n (HT40)	Front Side	0	54	5270	0.03	0.156	11.95	13.00	1.274	93.50	1.070	0.213	/
	5.3G	Level8	802.11 n (HT40)	Back Side	0	54	5270	0.01	0.128	11.95	13.00	1.274	93.50	1.070	0.174	/
	5.3G	Level8	802.11 n (HT40)	Left Edge	0	54	5270	0.12	0.353	11.95	13.00	1.274	93.50	1.070	0.481	/
	5.3G	Level8	802.11 n (HT40)	Top Edge	0	54	5270	0.09	0.075	11.95	13.00	1.274	93.50	1.070	0.102	/
Ant.8	5.6G	Level5	802.11 n (HT40)	Front Side	0	110	5550	0.07	0.783	18.43	19.50	1.279	93.50	1.070	1.072	/
	5.6G	Level5	802.11 n (HT40)	Back Side	0	110	5550	-0.03	0.552	18.43	19.50	1.279	93.50	1.070	0.755	/

	5.6G	Level5	802.11 n (HT40)	Left Edge	0	110	5550	-0.01	2.040	18.43	19.50	1.279	93.50	1.070	**2.792**	110#
	5.6G	Level5	802.11 n (HT40)	Top Edge	0	110	5550	0.08	0.324	18.43	19.50	1.279	93.50	1.070	0.443	/
	5.6G	Level5	802.11 n (HT40)	Left Edge	0	118	5590	-0.14	1.840	18.11	19.50	1.377	93.50	1.070	2.711	/
	5.6G	Level5	802.11 n (HT40)	Left Edge	0	126	5630	-0.04	1.890	18.29	19.50	1.321	93.50	1.070	2.671	/
Ant.8	5.6G	Level6	802.11 ac (VHT80)	Front Side	0	122	5610	0.00	0.297	14.54	16.00	1.400	91.20	1.096	0.456	/
	5.6G	Level6	802.11 ac (VHT80)	Back Side	0	122	5610	-0.03	0.209	14.54	16.00	1.400	91.20	1.096	0.321	/
	5.6G	Level6	802.11 ac (VHT80)	Left Edge	0	122	5610	-0.10	0.664	14.54	16.00	1.400	91.20	1.096	1.019	/
	5.6G	Level6	802.11 ac (VHT80)	Top Edge	0	122	5610	-0.04	0.123	14.54	16.00	1.400	91.20	1.096	0.189	/
Ant.8	5.6G	Level7	802.11 ac (VHT80)	Front Side	0	122	5610	-0.11	0.189	12.69	14.00	1.352	91.20	1.096	0.280	/
	5.6G	Level7	802.11 ac (VHT80)	Back Side	0	122	5610	0.11	0.135	12.69	14.00	1.352	91.20	1.096	0.200	/
	5.6G	Level7	802.11 ac (VHT80)	Left Edge	0	122	5610	0.12	0.423	12.69	14.00	1.352	91.20	1.096	0.627	/
	5.6G	Level7	802.11 ac (VHT80)	Top Edge	0	122	5610	0.04	0.079	12.69	14.00	1.352	91.20	1.096	0.117	/
Ant.8	5.6G	Level8	802.11 ac (VHT80)	Front Side	0	122	5610	-0.04	0.150	11.65	13.00	1.365	91.20	1.096	0.224	/
	5.6G	Level8	802.11 ac (VHT80)	Back Side	0	122	5610	-0.09	0.108	11.65	13.00	1.365	91.20	1.096	0.162	/
	5.6G	Level8	802.11 ac (VHT80)	Left Edge	0	122	5610	0.05	0.336	11.65	13.00	1.365	91.20	1.096	0.503	/
	5.6G	Level8	802.11 ac (VHT80)	Top Edge	0	122	5610	-0.02	0.062	11.65	13.00	1.365	91.20	1.096	0.093	/

Ant.8	5.8G	Level5	802.11 ac (VHT80)	Front Side	0	155	5775	-0.04	0.540	18.16	19.50	1.361	91.20	1.096	0.805	/
	5.8G	Level5	802.11 ac (VHT80)	Back Side	0	155	5775	-0.05	0.516	18.16	19.50	1.361	91.20	1.096	0.770	/
	5.8G	Level5	802.11 ac (VHT80)	Left Edge	0	155	5775	-0.02	1.730	18.16	19.50	1.361	91.20	1.096	**2.581**	111#
	5.8G	Level5	802.11 ac (VHT80)	Top Edge	0	155	5775	-0.06	0.192	18.16	19.50	1.361	91.20	1.096	0.286	/
Ant.8	5.8G	Level6	802.11 ac (VHT80)	Front Side	0	155	5775	0.01	0.214	14.59	16.00	1.384	91.20	1.096	0.325	/
	5.8G	Level6	802.11 ac (VHT80)	Back Side	0	155	5775	-0.10	0.205	14.59	16.00	1.384	91.20	1.096	0.311	/
	5.8G	Level6	802.11 ac (VHT80)	Left Edge	0	155	5775	-0.08	0.691	14.59	16.00	1.384	91.20	1.096	1.048	/
	5.8G	Level6	802.11 ac (VHT80)	Top Edge	0	155	5775	-0.05	0.076	14.59	16.00	1.384	91.20	1.096	0.115	/
Ant.8	5.8G	Level7	802.11 ac (VHT80)	Front Side	0	155	5775	-0.07	0.138	12.51	14.00	1.409	91.20	1.096	0.213	/
	5.8G	Level7	802.11 ac (VHT80)	Back Side	0	155	5775	-0.07	0.129	12.51	14.00	1.409	91.20	1.096	0.199	/
	5.8G	Level7	802.11 ac (VHT80)	Left Edge	0	155	5775	0.09	0.441	12.51	14.00	1.409	91.20	1.096	0.681	/
	5.8G	Level7	802.11 ac (VHT80)	Top Edge	0	155	5775	0.01	0.045	12.51	14.00	1.409	91.20	1.096	0.069	/
Ant.8	5.8G	Level8	802.11 ac (VHT80)	Front Side	0	155	5775	0.03	0.107	11.51	13.00	1.409	91.20	1.096	0.165	/
	5.8G	Level8	802.11 ac (VHT80)	Back Side	0	155	5775	-0.10	0.105	11.51	13.00	1.409	91.20	1.096	0.162	/

	5.8G	Level8	802.11 ac (VHT80)	Left Edge	0	155	5775	-0.01	0.342	11.51	13.00	1.409	91.20	1.096	0.528	/
	5.8G	Level8	802.11 ac (VHT80)	Top Edge	0	155	5775	0.06	0.037	11.51	13.00	1.409	91.20	1.096	0.057	/

10.39 Bluetooth

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.8	Level1	DH5	Left Cheek	0	39	2441	0.03	0.284	13.81	15.00	1.315	76.61	1.013	**0.378**	112#
	Level1	DH5	Left Tilt	0	39	2441	0.10	0.082	13.81	15.00	1.315	76.61	1.013	0.109	/
	Level1	DH5	Right Cheek	0	39	2441	0.05	0.123	13.81	15.00	1.315	76.61	1.013	0.164	/
	Level1	DH5	Right Tilt	0	39	2441	-0.05	0.037	13.81	15.00	1.315	76.61	1.013	0.049	/
Ant.8	Level2&3	DH5	Left Cheek	0	39	2441	0.09	0.205	11.85	13.00	1.303	76.61	1.013	0.271	/
	Level2&3	DH5	Left Tilt	0	39	2441	0.04	0.051	11.85	13.00	1.303	76.61	1.013	0.067	/
	Level2&3	DH5	Right Cheek	0	39	2441	-0.01	0.076	11.85	13.00	1.303	76.61	1.013	0.100	/
	Level2&3	DH5	Right Tilt	0	39	2441	-0.11	0.023	11.85	13.00	1.303	76.61	1.013	0.030	/
Ant.8	Level4	DH5	Left Cheek	0	39	2441	0.10	0.082	6.78	8.00	1.324	76.61	1.013	0.110	/
	Level4	DH5	Left Tilt	0	39	2441	0.01	0.021	6.78	8.00	1.324	76.61	1.013	0.028	/
	Level4	DH5	Right Cheek	0	39	2441	0.03	0.028	6.78	8.00	1.324	76.61	1.013	0.038	/
	Level4	DH5	Right Tilt	0	39	2441	-0.05	0.008	6.78	8.00	1.324	76.61	1.013	0.011	/
Body-Wron															
Ant.8	Level5&6&7	DH5	Front Side	15	39	2441	0.05	0.092	16.73	18.00	1.340	76.61	1.013	0.125	/
	Level5&6&7	DH5	Back Side	15	39	2441	0.10	0.186	16.73	18.00	1.340	76.61	1.013	**0.252**	113#
Ant.8	Level8	DH5	Front Side	15	39	2441	0.10	0.035	12.02	13.50	1.406	76.61	1.013	0.050	/
	Level8	DH5	Back Side	15	39	2441	0.07	0.068	12.02	13.50	1.406	76.61	1.013	0.097	/
Hotspot															
Ant.8	Level6&7	DH5	Front Side	10	39	2441	0.02	0.122	16.73	18.00	1.340	76.61	1.013	0.166	/
	Level6&7	DH5	Back Side	10	39	2441	0.11	0.127	16.73	18.00	1.340	76.61	1.013	0.172	/
	Level6&7	DH5	Left Edge	10	39	2441	-0.07	0.207	16.73	18.00	1.340	76.61	1.013	**0.281**	114#
	Level6&7	DH5	Top Edge	10	39	2441	-0.08	0.035	16.73	18.00	1.340	76.61	1.013	0.048	/
Ant.8	Level8	DH5	Front Side	10	39	2441	-0.11	0.043	12.02	13.50	1.406	76.61	1.013	0.061	/
	Level8	DH5	Back Side	10	39	2441	0.04	0.046	12.02	13.50	1.406	76.61	1.013	0.066	/
	Level8	DH5	Left Edge	10	39	2441	-0.07	0.075	12.02	13.50	1.406	76.61	1.013	0.107	/
	Level8	DH5	Top Edge	10	39	2441	-0.04	0.011	12.02	13.50	1.406	76.61	1.013	0.016	/

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.8	Level5&6&7	DH5	Front Side	0	39	2441	0.10	0.241	16.73	18.00	1.340	76.61	1.305	0.421	/
	Level5&6&7	DH5	Back Side	0	39	2441	-0.01	0.225	16.73	18.00	1.340	76.61	1.305	0.393	/
	Level5&6&7	DH5	Left Edge	0	39	2441	-0.02	0.459	16.73	18.00	1.340	76.61	1.305	**0.803**	115#
	Level5&6&7	DH5	Top Edge	0	39	2441	-0.02	0.028	16.73	18.00	1.340	76.61	1.305	0.049	/
Ant.8	Level8	DH5	Front Side	0	39	2441	0.01	0.087	12.02	13.50	1.406	76.61	1.305	0.160	/
	Level8	DH5	Back Side	0	39	2441	-0.06	0.083	12.02	13.50	1.406	76.61	1.305	0.152	/
	Level8	DH5	Left Edge	0	39	2441	-0.07	0.165	12.02	13.50	1.406	76.61	1.305	0.303	/
	Level8	DH5	Top Edge	0	39	2441	0.06	0.009	12.02	13.50	1.406	76.61	1.305	0.017	/

10.40 Worst case for Secondary supply screen of 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.
Body-worn													
Ant.0	State3	DATA 4slots	Back Side	15	251	848.8	-0.09	0.341	24.63	26.50	1.538	**0.524**	116#
Hotspot													
Ant.0	State8	DATA 4slots	Left Edge	10	251	848.8	-0.11	0.591	23.53	25.50	1.574	**0.930**	117#

10.41 Worst case for Secondary supply screen of 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	QPSK	Right Tilt	0	39750	2506	50	Mid	-0.03	0.958	20.58	21.30	1.180	**1.130**	118#

10.42 Worst case for Secondary supply screen of WIFI 5GHz

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	5.6G	Level5	802.11 n (HT40)	Left Edge	0	110	5550	0.02	1.920	18.43	19.50	1.279	93.50	1.070	**2.628**	119#

11 SAR Measurement Variability

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

SAR repeated measurement procedure:

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

Frequency Band (MHz)	Wireless Band	RF Exposure Conditions	Test Position	Highest Measured SAR (W/kg)	Repeated SAR (Yes/No)	Repeated^{1th} Measured SAR (W/kg)	Largest to Smallest SAR Radio
912.6	WCDMA Band8	Head	Right Cheek	0.835	Yes	0.789	1.06
1720	LTE Band4	Head	Left Cheek	0.881	Yes	0.860	1.02
844	LTE Band5	Head	Left Cheek	1.050	Yes	0.983	1.07
2535	LTE Band7	Head	Right Tilt	0.995	Yes	0.986	1.01
910	LTE Band8	Head	Left Cheek	0.950	Yes	0.928	1.02
711	LTE Band12	Head	Right Cheek	1.010	Yes	0.975	1.04
23230	LTE Band13	Head	Right Cheek	0.921	Yes	0.896	1.03
711	LTE Band17	Head	Left Cheek	0.949	Yes	0.935	1.01
822.5	LTE Band18	Head	Right Cheek	0.900	Yes	0.891	1.01
837.5	LTE Band19	Head	Left Cheek	1.050	Yes	0.973	1.08
831.5	LTE Band26	Head	Right Cheek	0.905	Yes	0.890	1.02
738	LTE Band28	Head	Left Cheek	1.050	Yes	1.010	1.04

1720	LTE Band66	Head	Left Cheek	1.020	Yes	0.988	1.03
2580	LTE Band38	Head	Right Tilt	0.994	Yes	0.976	1.02
2506	LTE Band41	Head	Right Tilt	1.010	Yes	0.976	1.03
3560	LTE Band42	Head	Left Tilt	0.806	Yes	0.793	1.02
707.5	NR n12	Head	Right Cheek	0.875	Yes	0.871	1.00
839	NR n26	Head	Left Cheek	0.931	Yes	0.916	1.02
1730	NR n66	Head	Left Cheek	0.983	Yes	0.980	1.00
2592.99	NR n38	Head	Left Tilt	0.914	Yes	0.885	1.03
2616.51	NR n41	Head	Right Tilt	0.804	Yes	0.792	1.02
2462	WIFI 2.4GHz	Head	Left Cheek	0.978	Yes	0.956	1.02
5550	WIFI 5.6GHz	Specific	Left Edge	2.040	Yes	1.980	1.03
Note: The ratio of largest to smallest SAR for the original and first repeated measurements is < 1.20, the second repeated measurement. is not required.							

12 SIMULTANEOUS TRANSMISSION

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

12.1 Simultaneous Transmission Mode Consider

No.	Simultaneous Tx Combination	Head	Body-worn	Hotspot	Specific
1	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
6	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.

12.2 Sum SAR of Simultaneous Transmission

Please refer the document “BL-SZ2530966-AST.pdf”.

13 TEST EQUIPMENTS LIST

Description	Manufacturer	Model	Serial No./Version	Cal. Date	Cal. Due
PC	Dell	N/A	N/A	N/A	N/A
Test Software	Speag	DASY5	52.8.8.1222	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
3500MHz Validation Dipole	Speag	D3500V2	SN: 1129	2024/07/19	2027/07/18
3700MHz Validation Dipole	Speag	D3700V2	SN: 1101	2024/07/18	2027/07/17
5GHz Validation Dipole	Speag	D5GHzV2	SN: 1200	2024/05/09	2027/05/08
Data Acquisition Electronics	Speag	DAE4	SN: 1710	2025/01/20	2026/01/19
Data Acquisition Electronics	Speag	DAE4	SN: 878	2025/03/05	2026/03/04
E-Field Probe	Speag	EX3DV4	SN: 7510	2024/06/25	2025/06/24
E-Field Probe	Speag	EX3DV4	SN: 7893	2024/09/05	2025/09/04
Signal Generator	Keysight	N5173B	MY62150163	2024/08/12	2025/08/11
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	6201144551	2024/05/14	2025/05/13
Wireless Communication Test Set	Anritsu	MT8820C	6201502974	2024/08/01	2025/07/31
Wireless Communication Test Set	R&S	CMW500	104946	2024/06/24	2025/06/23
Network Analyzer	Agilent	E5071C	MY46103472	2024/09/11	2025/09/10
Thermometer	Elitech	RC-4HC	EF7216002985	2024/10/31	2025/10/30
Thermometer	Elitech	RC-4HC	EF720B004811	2024/10/31	2025/10/30
Thermometer	Elitech	RC-4HC	EF7239002655	2024/10/31	2025/10/30
Thermometer	Elitech	RC-4HC	EF7216002974	2024/10/31	2025/10/30
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: 2090	N/A	N/A
Phantom	Speag	SAM	SN: 1576	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:					

Description	Manufacturer	Model	Serial No./Version	Cal. Date	Cal. Due
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

DASY5

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 (%)
2025.04.30	Head	750	21.4	0.91	40.96	0.89	41.94	2.25	-2.34
2025.05.09	Head	750	21.3	0.92	41.01	0.89	41.94	3.37	-2.22
2025.05.02	Head	835	21.3	0.91	41.69	0.90	41.50	1.11	0.46
2025.05.03	Head	835	21.6	0.91	41.49	0.90	41.50	1.11	-0.02
2025.05.04	Head	835	21.5	0.89	42.22	0.90	41.50	-1.11	1.73
2025.05.05	Head	835	21.3	0.88	41.36	0.90	41.50	-2.22	-0.34
2025.05.08	Head	835	21.2	0.92	42.12	0.90	41.50	2.22	1.49
2025.05.10	Head	835	21.2	0.89	42.33	0.90	41.50	-1.11	2.00
Note: The tolerance limit of Conductivity and Permittivity is± 5%.									

DASY8

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 (%)
2025.04.03	Head	1750	21.3	1.37	40.32	1.37	40.08	0.00	0.60
2025.04.04	Head	1750	21.4	1.37	39.58	1.37	40.08	0.00	-1.25
2025.04.05	Head	1750	21.5	1.39	38.89	1.37	40.08	1.46	-2.97
2025.04.06	Head	1750	21.7	1.39	39.64	1.37	40.08	1.46	-1.10
2025.04.07	Head	1750	21.6	1.41	38.79	1.37	40.08	2.92	-3.22
2025.04.08	Head	1750	21.6	1.40	38.73	1.37	40.08	2.19	-3.37
2025.04.09	Head	1750	21.4	1.37	39.76	1.37	40.08	0.00	-0.80
2025.04.10	Head	1750	21.6	1.36	41.12	1.37	40.08	-0.73	2.59
2025.04.11	Head	1750	21.6	1.37	40.89	1.37	40.08	0.00	2.02
2025.04.12	Head	1750	21.2	1.34	39.18	1.37	40.08	-2.19	-2.25
2025.04.13	Head	1750	21.4	1.39	38.77	1.37	40.08	1.46	-3.27
2025.04.14	Head	1750	21.6	1.40	40.34	1.37	40.08	2.19	0.65
2025.04.15	Head	1750	21.4	1.40	39.60	1.37	40.08	2.19	-1.20
2025.04.16	Head	1750	21.6	1.36	39.20	1.37	40.08	-0.73	-2.20
2025.04.17	Head	1950	21.4	1.43	40.11	1.40	40.00	2.14	0.28
2025.04.18	Head	1950	21.2	1.42	39.66	1.40	40.00	1.43	-0.85
2025.04.19	Head	1950	21.5	1.44	39.71	1.40	40.00	2.86	-0.73
2025.04.20	Head	1950	21.5	1.43	39.55	1.40	40.00	2.14	-1.13
2025.04.21	Head	1950	21.2	1.40	39.21	1.40	40.00	0.00	-1.98
2025.04.22	Head	1950	21.4	1.44	38.86	1.40	40.00	2.86	-2.85
2025.04.23	Head	1950	21.2	1.44	38.74	1.40	40.00	2.86	-3.15
2025.04.24	Head	1950	21.7	1.45	39.24	1.40	40.00	3.57	-1.90
2025.04.25	Head	1950	21.3	1.42	39.86	1.40	40.00	1.43	-0.35
2025.04.26	Head	1950	21.5	1.41	39.71	1.40	40.00	0.71	-0.73
2025.04.27	Head	2450	21.4	1.82	38.70	1.80	39.20	1.11	-1.28
2025.04.08	Head	2600	21.7	1.93	38.28	1.96	39.01	-1.53	-1.87
2025.04.09	Head	2600	21.6	1.96	38.01	1.96	39.01	0.00	-2.56
2025.04.10	Head	2600	21.5	1.96	38.25	1.96	39.01	0.00	-1.95
2025.04.11	Head	2600	21.4	2.00	39.58	1.96	39.01	2.04	1.46
2025.04.12	Head	2600	21.5	1.98	38.99	1.96	39.01	1.02	-0.05
2025.04.13	Head	2600	21.4	2.01	38.90	1.96	39.01	2.55	-0.28
2025.04.14	Head	2600	21.6	2.03	38.96	1.96	39.01	3.57	-0.13
2025.04.15	Head	2600	21.7	1.95	37.70	1.96	39.01	-0.51	-3.36
2025.04.16	Head	2600	21.6	1.97	38.86	1.96	39.01	0.51	-0.38
2025.04.17	Head	2600	21.7	1.98	37.69	1.96	39.01	1.02	-3.38
2025.04.18	Head	2600	21.2	1.96	38.57	1.96	39.01	0.00	-1.13
2025.04.19	Head	2600	21.6	1.95	37.91	1.96	39.01	-0.51	-2.82

2025.04.21	Head	2600	21.5	1.98	38.38	1.96	39.01	1.02	-1.62
2025.04.22	Head	2600	21.3	1.97	38.99	1.96	39.01	0.51	-0.05
2025.04.23	Head	2600	21.5	2.02	39.58	1.96	39.01	3.06	1.46
2025.04.24	Head	2600	21.5	1.95	38.89	1.96	39.01	-0.51	-0.31
2025.04.25	Head	2600	21.5	1.91	38.28	1.96	39.01	-2.55	-1.87
2025.04.26	Head	2600	21.6	1.99	38.11	1.96	39.01	1.53	-2.31
2025.04.27	Head	2600	21.7	1.96	39.10	1.96	39.01	0.00	0.23
2025.04.28	Head	2600	21.6	1.96	37.75	1.96	39.01	0.00	-3.23
2025.04.29	Head	2600	21.6	2.02	39.12	1.96	39.01	3.06	0.28
2025.04.30	Head	2600	21.7	1.94	38.09	1.96	39.01	-1.02	-2.36
2025.05.01	Head	2600	21.6	1.96	38.19	1.96	39.01	0.00	-2.10
2025.05.09	Head	2600	21.4	1.96	38.99	1.96	39.01	0.00	-0.05
2025.05.10	Head	2600	21.5	1.98	39.33	1.96	39.01	1.02	0.82
2025.05.11	Head	2600	21.6	1.96	38.48	1.96	39.01	0.00	-1.36
2025.05.08	Head	3500	21.8	2.93	38.25	2.91	37.93	0.69	0.84
2025.05.02	Head	3700	21.7	3.17	37.41	3.12	37.70	1.60	-0.77
2025.05.03	Head	3700	21.6	3.20	37.82	3.12	37.70	2.56	0.32
2025.05.07	Head	3700	21.6	3.18	37.98	3.12	37.70	1.92	0.74
2025.05.04	Head	5250	21.5	4.71	35.81	4.71	35.93	0.00	-0.33
2025.05.05	Head	5600	21.6	5.09	36.04	5.07	35.53	0.39	1.44
2025.05.06	Head	5750	21.4	5.12	35.07	5.22	35.36	-1.92	-0.82
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

DASY5

Date	Liquid Type	Freq. (MHz)	Power (mW)	Measured SAR (W/kg)	Normalized SAR (W/kg)	Dipole SAR (W/kg)	Tolerance (%)
2025.04.30	Head	750	100	0.84	8.44	8.46	-0.24
2025.05.09	Head	750	100	0.85	8.49	8.46	0.35
2025.05.02	Head	835	100	0.97	9.73	9.74	-0.10
2025.05.03	Head	835	100	0.98	9.82	9.74	0.82
2025.05.04	Head	835	100	0.97	9.68	9.74	-0.62
2025.05.05	Head	835	100	0.98	9.79	9.74	0.51
2025.05.08	Head	835	100	0.98	9.77	9.74	0.31
2025.05.10	Head	835	100	0.98	9.82	9.74	0.82
Note: The tolerance limit of System validation ±10%.							

DASY8

Date	Liquid Type	Freq. (MHz)	Power (mW)	Measured SAR (W/kg)	Normalized SAR (W/kg)	Dipole SAR (W/kg)	Tolerance (%)
2025.04.03	Head	1750	100	3.76	37.60	37.00	1.62
2025.04.04	Head	1750	100	3.71	37.10	37.00	0.27
2025.04.05	Head	1750	100	3.77	37.70	37.00	1.89
2025.04.06	Head	1750	100	3.66	36.60	37.00	-1.08
2025.04.07	Head	1750	100	3.75	37.50	37.00	1.35
2025.04.08	Head	1750	100	3.68	36.80	37.00	-0.54
2025.04.09	Head	1750	100	3.72	37.20	37.00	0.54
2025.04.10	Head	1750	100	3.62	36.20	37.00	-2.16
2025.04.11	Head	1750	100	3.79	37.90	37.00	2.43
2025.04.12	Head	1750	100	3.71	37.10	37.00	0.27
2025.04.13	Head	1750	100	3.72	37.20	37.00	0.54
2025.04.14	Head	1750	100	3.61	36.10	37.00	-2.43
2025.04.15	Head	1750	100	3.69	36.90	37.00	-0.27
2025.04.16	Head	1750	100	3.61	36.10	37.00	-2.43
2025.04.17	Head	1950	100	4.05	40.50	41.70	-2.88
2025.04.18	Head	1950	100	4.11	41.10	41.70	-1.44
2025.04.19	Head	1950	100	4.18	41.80	41.70	0.24
2025.04.20	Head	1950	100	4.26	42.60	41.70	2.16
2025.04.21	Head	1950	100	4.31	43.10	41.70	3.36
2025.04.22	Head	1950	100	4.14	41.40	41.70	-0.72
2025.04.23	Head	1950	100	4.23	42.30	41.70	1.44
2025.04.24	Head	1950	100	4.21	42.10	41.70	0.96
2025.04.25	Head	1950	100	4.12	41.20	41.70	-1.20
2025.04.26	Head	1950	100	4.15	41.50	41.70	-0.48
2025.04.27	Head	2450	100	5.24	52.40	52.60	-0.38
2025.04.08	Head	2600	100	5.63	56.30	55.90	0.72
2025.04.09	Head	2600	100	5.58	55.80	55.90	-0.18
2025.04.10	Head	2600	100	5.54	55.40	55.90	-0.89
2025.04.11	Head	2600	100	5.57	55.70	55.90	-0.36
2025.04.12	Head	2600	100	5.61	56.10	55.90	0.36
2025.04.13	Head	2600	100	5.52	55.20	55.90	-1.25
2025.04.14	Head	2600	100	5.69	56.90	55.90	1.79
2025.04.15	Head	2600	100	5.55	55.50	55.90	-0.72
2025.04.16	Head	2600	100	5.64	56.40	55.90	0.89
2025.04.17	Head	2600	100	5.58	55.80	55.90	-0.18
2025.04.18	Head	2600	100	5.65	56.50	55.90	1.07
2025.04.19	Head	2600	100	5.61	56.10	55.90	0.36
2025.04.20	Head	2600	100	5.63	56.30	55.90	0.72
2025.04.21	Head	2600	100	5.62	56.20	55.90	0.54

2025.04.22	Head	2600	100	5.54	55.40	55.90	-0.89
2025.04.23	Head	2600	100	5.51	55.10	55.90	-1.43
2025.04.24	Head	2600	100	5.66	56.60	55.90	1.25
2025.04.25	Head	2600	100	5.52	55.20	55.90	-1.25
2025.04.26	Head	2600	100	5.63	56.30	55.90	0.72
2025.04.27	Head	2600	100	5.61	56.10	55.90	0.36
2025.04.28	Head	2600	100	5.57	55.70	55.90	-0.36
2025.04.29	Head	2600	100	5.66	56.60	55.90	1.25
2025.04.30	Head	2600	100	5.52	55.20	55.90	-1.25
2025.05.01	Head	2600	100	5.68	56.80	55.90	1.61
2025.05.09	Head	2600	100	5.58	55.80	55.90	-0.18
2025.05.10	Head	2600	100	5.72	57.20	55.90	2.33
2025.05.11	Head	2600	100	5.51	55.10	55.90	-1.43
2025.05.08	Head	3500	100	6.72	67.20	68.00	-1.18
2025.05.02	Head	3700	100	6.64	66.40	66.70	-0.45
2025.05.03	Head	3700	100	6.68	66.80	66.70	0.15
2025.05.07	Head	3700	100	6.71	67.10	66.70	0.60
2025.05.04	Head	5250	100	7.61	76.10	77.70	-2.06
2025.05.05	Head	5600	100	8.21	82.10	81.30	0.98
2025.05.06	Head	5750	100	8.01	80.10	77.60	3.22
Note: The tolerance limit of System validation ±10%.							

Head liquid 10g

Date	Freq. (MHz)	Power (mW)	Measured SAR (W/kg)	Normalized SAR (W/kg)	Dipole SAR (W/kg)	Tolerance (%)
2025.04.27	Head	2450	2.55	25.50	24.70	3.24
2025.05.04	5250	100	2.150	21.50	22.00	-2.27
2025.05.05	5600	100	2.340	23.40	23.10	1.30
2025.05.06	5750	100	2.220	22.20	21.90	1.37
Note: The tolerance limit of System validation ±10%.						

System Performance Check Data (750MHz)

Date: 2025.04.30

Communication System Band: D750 (750.0 MHz); Frequency: 750 MHz;Duty Cycle: 1:1

Medium parameters used (extrapolated): f = 750 MHz; σ = 0.906 S/m; ε_r = 40.963; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.2℃ Liquid Temperature:21.4℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7893; ConvF(8.92, 8.92, 8.92); Calibrated: 2024.09.05;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2025.03.05
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW 750 100mW/Area Scan (61x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.871 W/kg

CW 750 100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 29.97 V/m; Power Drift = 0.04 dB

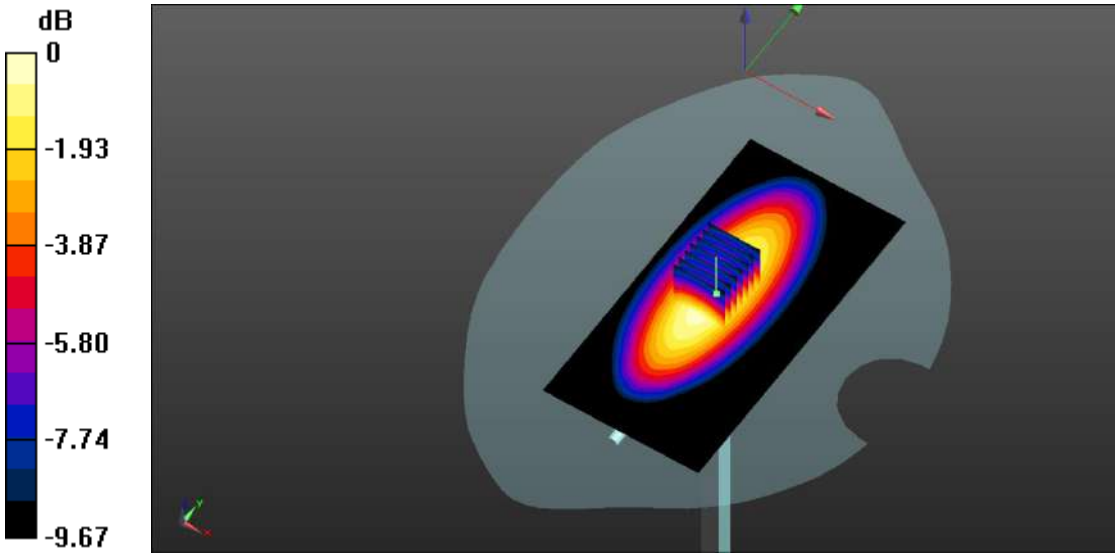
Peak SAR (extrapolated) = 1.18 W/kg

SAR(1 g) = 0.844 W/kg; SAR(10 g) = 0.572 W/kg

Smallest distance from peaks to all points 3 dB below = 10.7 mm

Ratio of SAR at M2 to SAR at M1 = 61%

Maximum value of SAR (measured) = 0.881 W/kg



0 dB = 0.881 W/kg

System Performance Check Data (750MHz)

Date: 2025.05.09
Communication System Band: D750 (750.0 MHz); Frequency: 750 MHz;Duty Cycle: 1:1
Medium parameters used (extrapolated): f = 750 MHz; σ = 0.921 S/m; ε_r = 41.007; ρ = 1000 kg/m^3
Phantom section: Flat Section

Ambient Temperature:22.3℃ Liquid Temperature:21.3℃

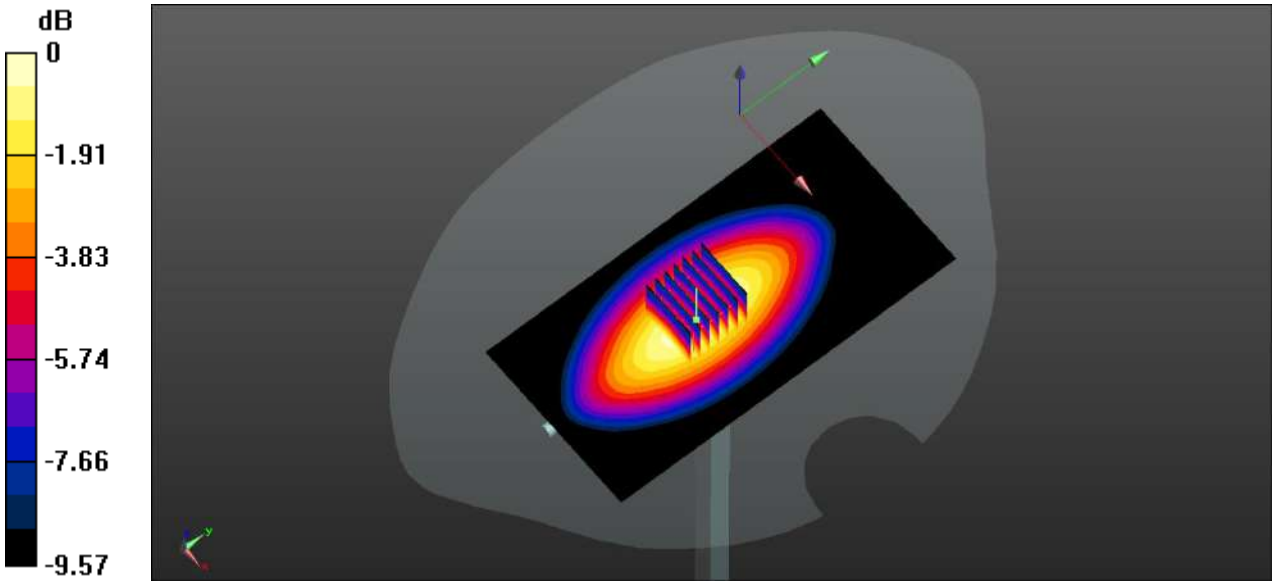
DASY5 Configuration:

- Probe: EX3DV4 - SN7893; ConvF(8.92, 8.92, 8.92); Calibrated: 2024.09.05;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2025.03.05
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW 750 100mW/Area Scan (61x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.858 W/kg

CW 750 100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 28.52 V/m; Power Drift = -0.07 dB
Peak SAR (extrapolated) = 1.09 W/kg
SAR(1 g) = 0.849 W/kg; SAR(10 g) = 0.574 W/kg

Smallest distance from peaks to all points 3 dB below = 8.6 mm
Ratio of SAR at M2 to SAR at M1 = 62.3%
Maximum value of SAR (measured) = 0.861 W/kg



0 dB = 0.861 W/kg

System Performance Check Data (835MHz)

Date: 2025.05.08
Communication System Band: D835 (835.0 MHz); Frequency: 835 MHz;Duty Cycle: 1:1
Medium parameters used: f = 835 MHz; σ = 0.919 S/m; ε_r = 42.122; ρ = 1000 kg/m^3
Phantom section: Flat Section

Ambient Temperature:22.1℃ Liquid Temperature:21.2℃

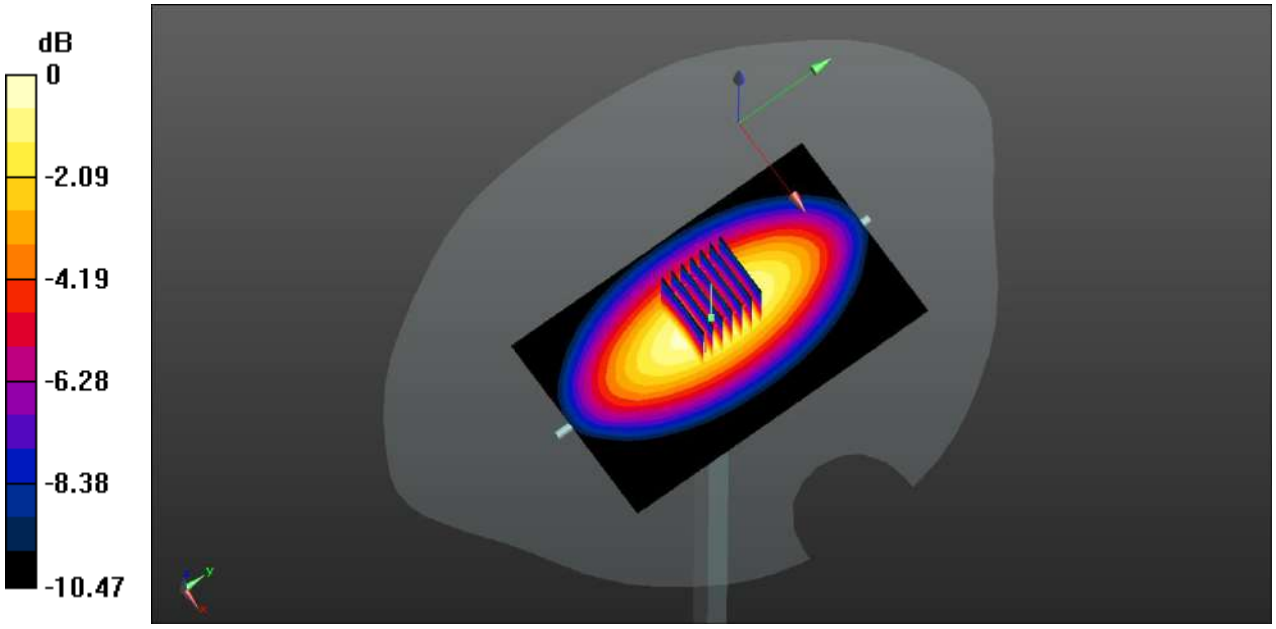
DASY5 Configuration:

- Probe: EX3DV4 - SN7893; ConvF(8.85, 8.85, 8.85); Calibrated: 2024.09.05;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2025.03.05
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW 835/Area Scan (61x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.02 W/kg

CW 835/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 33.21 V/m; Power Drift = -0.11 dB
Peak SAR (extrapolated) = 1.44 W/kg
SAR(1 g) = 0.977 W/kg; SAR(10 g) = 0.647 W/kg
Smallest distance from peaks to all points 3 dB below = 9.2 mm
Ratio of SAR at M2 to SAR at M1 = 57.1%

Maximum value of SAR (measured) = 1.06 W/kg



0 dB = 1.06 W/kg

System Performance Check Data (835MHz)

Date: 2025.05.02
Communication System Band: D835 (835.0 MHz); Frequency: 835 MHz;Duty Cycle: 1:1
Medium parameters used: f = 835 MHz; σ = 0.911 S/m; ε_r = 41.687; ρ = 1000 kg/m^3
Phantom section: Flat Section

Ambient Temperature:22.2℃ Liquid Temperature:21.3℃

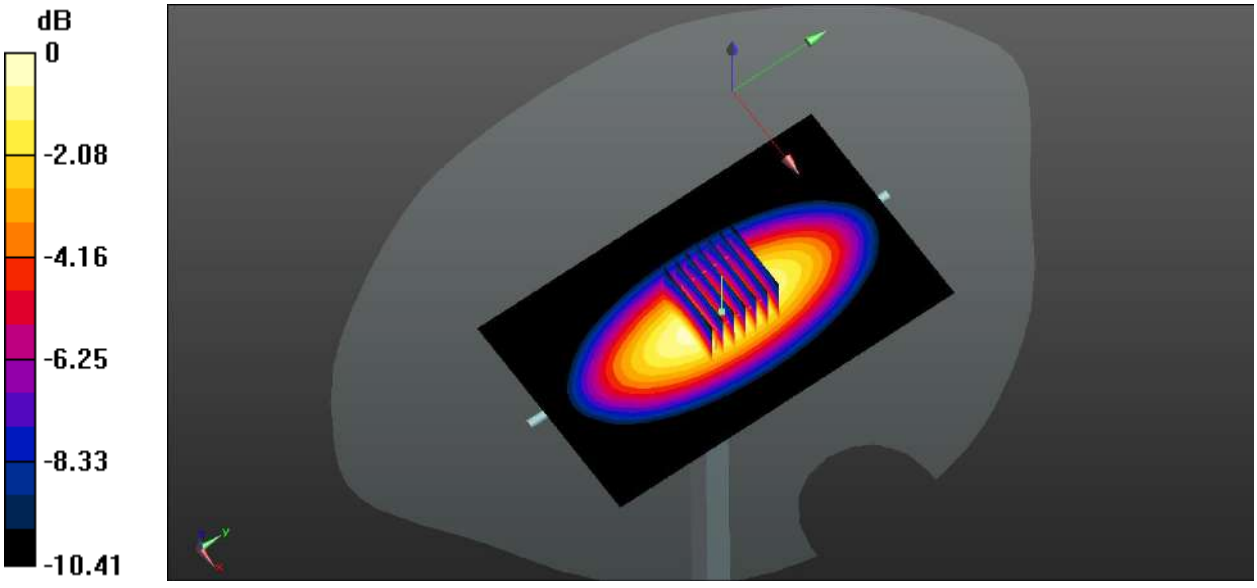
DASY5 Configuration:

- Probe: EX3DV4 - SN7893; ConvF(8.85, 8.85, 8.85); Calibrated: 2024.09.05;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2025.03.05
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW 835/Area Scan (61x81x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 1.05 W/kg

CW 835/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 34.62 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 1.44 W/kg
SAR(1 g) = 0.973 W/kg; SAR(10 g) = 0.645 W/kg
Smallest distance from peaks to all points 3 dB below = 9.1 mm
Ratio of SAR at M2 to SAR at M1 = 56.6%

Maximum value of SAR (measured) = 1.03 W/kg



0 dB = 1.03 W/kg

System Performance Check Data (835MHz)

Date: 2025.05.03
Communication System Band: D835 (835.0 MHz); Frequency: 835 MHz;Duty Cycle: 1:1
Medium parameters used: f = 835 MHz; σ = 0.905 S/m; ε_r = 41.49; ρ = 1000 kg/m^3
Phantom section: Flat Section

Ambient Temperature:22.5℃ Liquid Temperature:21.6℃

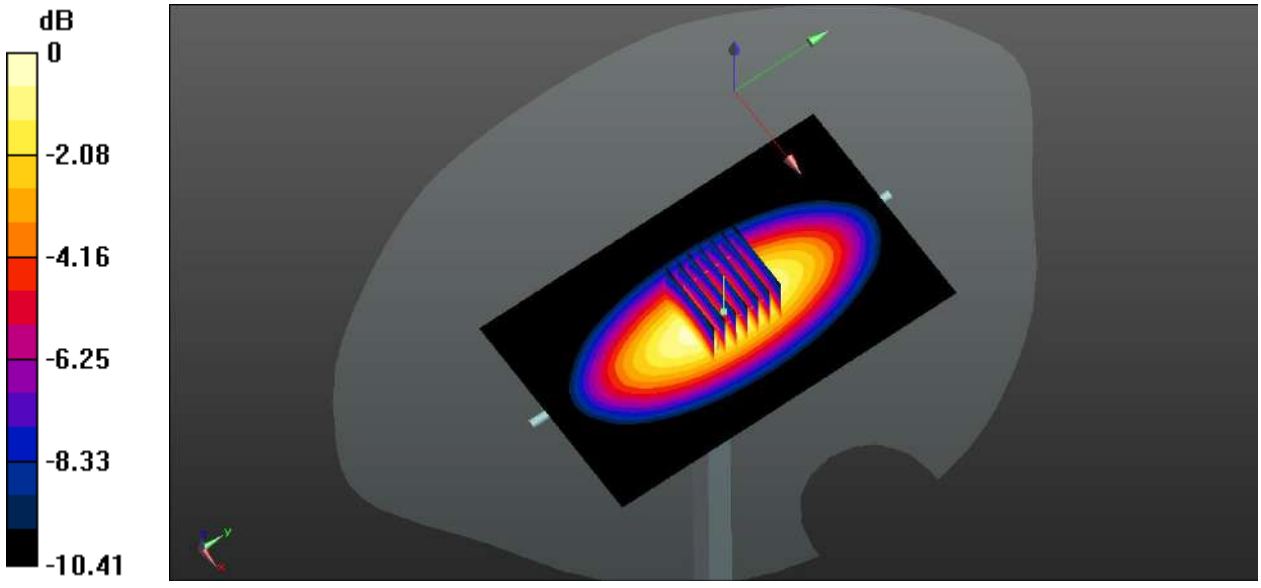
DASY5 Configuration:

- Probe: EX3DV4 - SN7893; ConvF(8.85, 8.85, 8.85); Calibrated: 2024.09.05;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2025.03.05
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW 835 100mW /Area Scan (61x81x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 1.08 W/kg

CW 835 100mW /Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 34.62 V/m; Power Drift = 0.00 dB
Peak SAR (extrapolated) = 1.49 W/kg
SAR(1 g) = 0.982 W/kg; SAR(10 g) = 0.653 W/kg
Smallest distance from peaks to all points 3 dB below = 9.3 mm
Ratio of SAR at M2 to SAR at M1 = 56.2%

Maximum value of SAR (measured) = 1.09 W/kg



0 dB = 1.09 W/kg

System Performance Check Data (835MHz)

Date: 2025.05.04
Communication System Band: D835 (835.0 MHz); Frequency: 835 MHz;Duty Cycle: 1:1
Medium parameters used: f = 835 MHz; σ = 0.894 S/m; ε_r = 42.218; ρ = 1000 kg/m^3
Phantom section: Flat Section

Ambient Temperature:22.2℃ Liquid Temperature:21.5℃

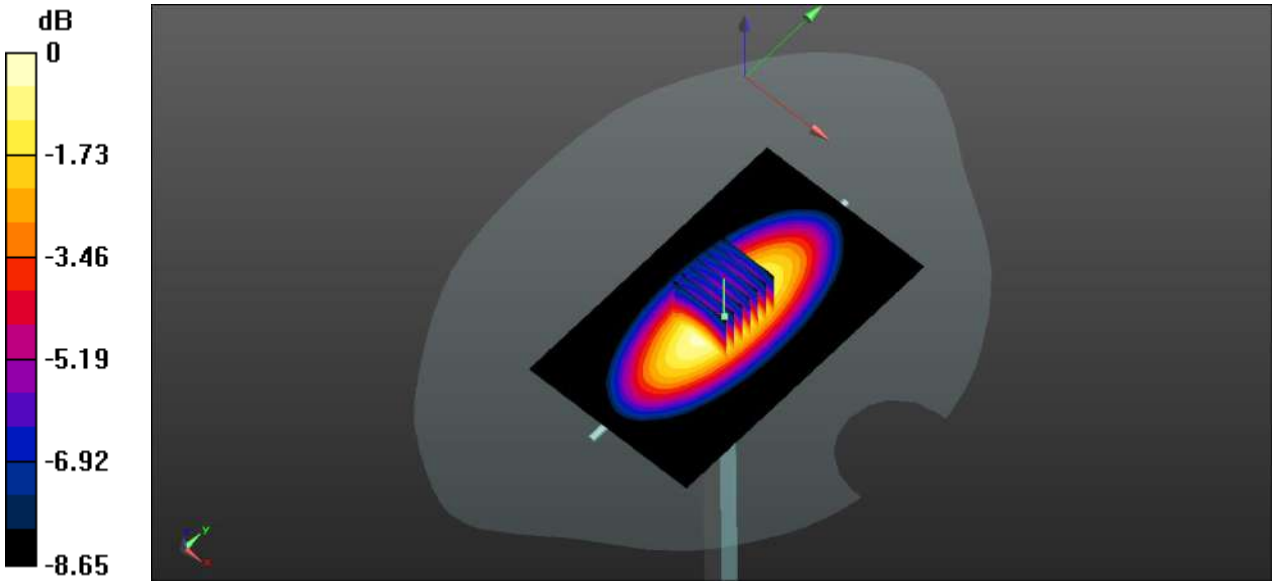
DASY5 Configuration:

- Probe: EX3DV4 - SN7893; ConvF(8.85, 8.85, 8.85); Calibrated: 2024.09.05;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2025.03.05
- Phantom:SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW835 100mW/Area Scan (61x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.975 W/kg

CW835 100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 32.6 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 1.24 W/kg
SAR(1 g) = 0.968 W/kg; SAR(10 g) = 0.662 W/kg
Smallest distance from peaks to all points 3 dB below = 8.1 mm
Ratio of SAR at M2 to SAR at M1 = 55.2%

Maximum value of SAR (measured) = 0.973 W/kg



0 dB = 0.973 W/kg

System Performance Check Data (835MHz)

Date: 2025.05.05
Communication System Band: D835 (835.0 MHz); Frequency: 835 MHz;Duty Cycle: 1:1
Medium parameters used: f = 835 MHz; σ = 0.875 S/m; ε_r = 41.363; ρ = 1000 kg/m^3
Phantom section: Flat Section

Ambient Temperature:22.1℃ Liquid Temperature:21.3℃

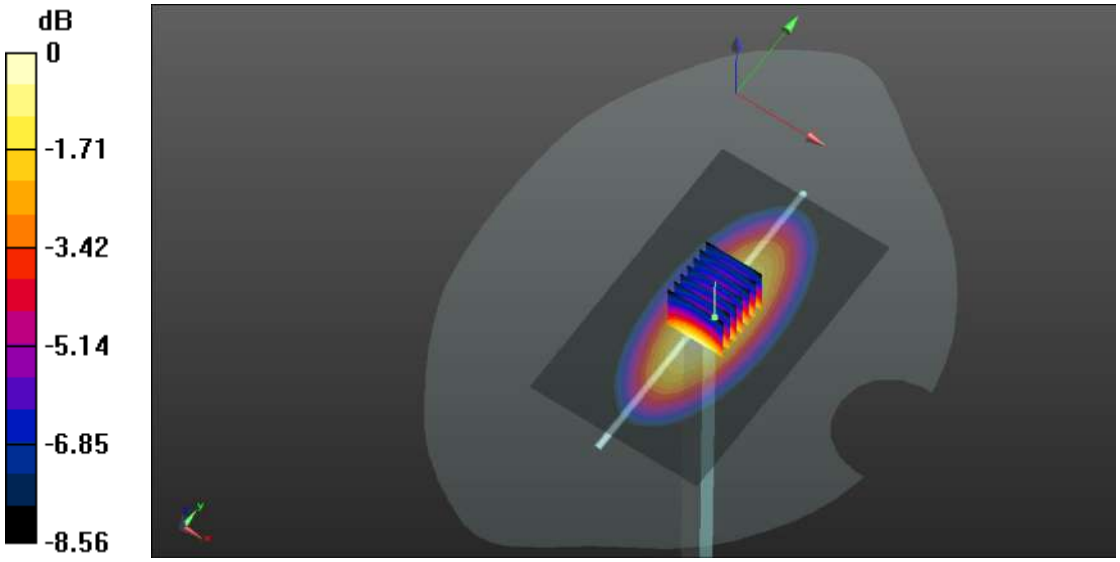
DASY5 Configuration:

- Probe: EX3DV4 - SN7893; ConvF(8.85, 8.85, 8.85); Calibrated: 2024.09.05;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2025.03.05
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.14 (7501)

CW 835 100mW/Area Scan (61x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.977 W/kg

CW 835 100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 31.04 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 1.26 W/kg
SAR(1 g) = 0.979 W/kg; SAR(10 g) = 0.653 W/kg

Smallest distance from peaks to all points 3 dB below = 8.9 mm
Ratio of SAR at M2 to SAR at M1 = 61.9%
Maximum value of SAR (measured) = 0.977 W/kg



0 dB = 0.977 W/kg

System Performance Check Data (835MHz)

Date: 2025.05.10
Communication System Band: D835 (835.0 MHz); Frequency: 835 MHz;Duty Cycle: 1:1
Medium parameters used: f = 835 MHz; σ = 0.893 S/m; ε_r = 42.332; ρ = 1000 kg/m^3
Phantom section: Flat Section

Ambient Temperature:22.2℃ Liquid Temperature:21.2℃

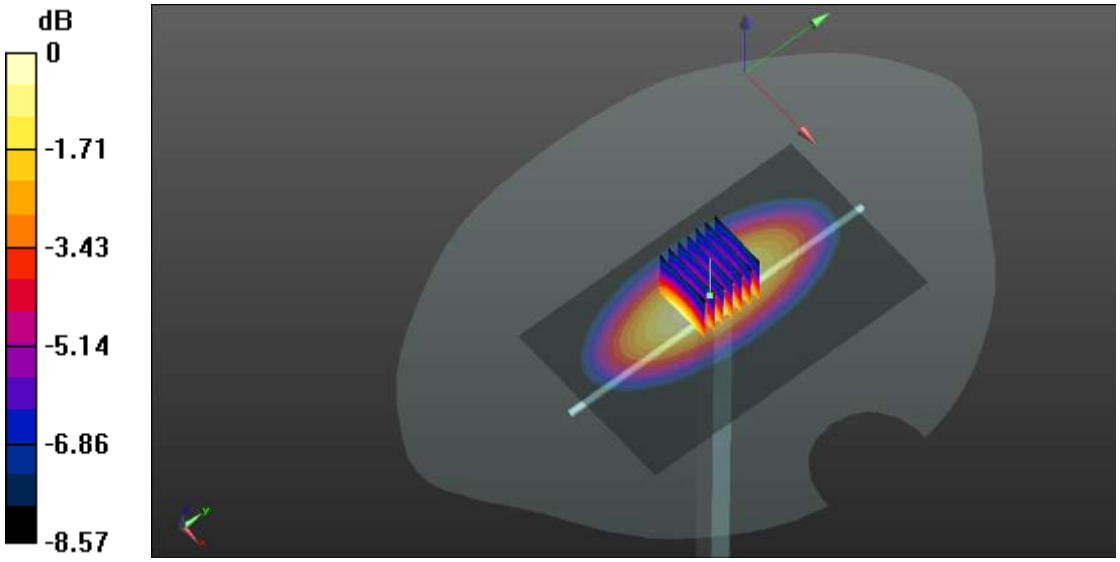
DASY5 Configuration:

- Probe: EX3DV4 - SN7893; ConvF(8.85, 8.85, 8.85); Calibrated: 2024.09.05;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2025.03.05
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.14 (7501)

CW 835 100mW/Area Scan (61x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.970 W/kg

CW 835 100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 32.50 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 1.26 W/kg
SAR(1 g) = 0.982 W/kg; SAR(10 g) = 0.642 W/kg

Smallest distance from peaks to all points 3 dB below = 9.7 mm
Ratio of SAR at M2 to SAR at M1 = 63.6%
Maximum value of SAR (measured) = 0.977 W/kg



0 dB = 0.977 W/kg

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	7.57	1.37	40.3	22.1	21.3

Hardware Setup

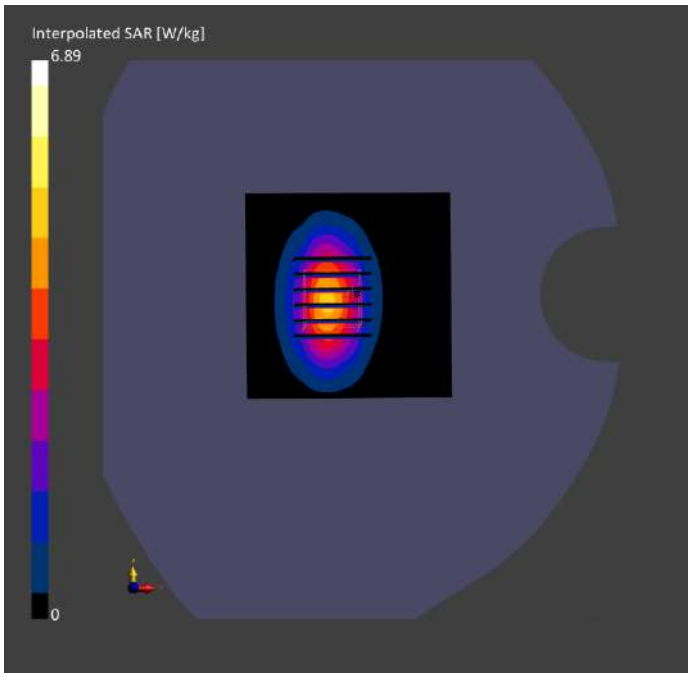
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 2090	HBBL-600-10000 2025-04-03	EX3DV4 - SN7893, 2024-09-05	DAE4 Sn878, 2025-03-05

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	2025-04-03	2025-04-03
psSAR1g [W/kg]	3.57	3.76
psSAR10g [W/kg]	1.79	1.92
Power Drift [dB]	-0.09	-0.02
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	7.57	1.37	39.6	22.3	21.4

Hardware Setup

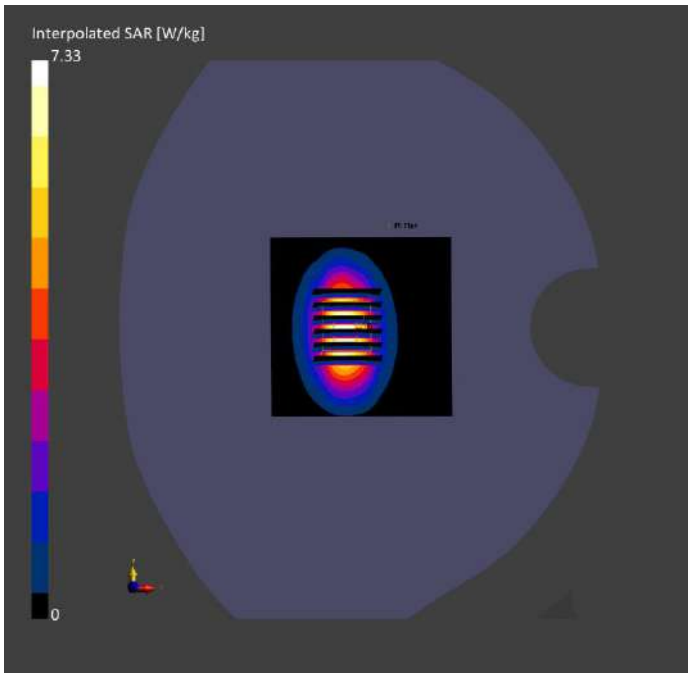
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 2090	HBBL-600-10000 2025-04-04	EX3DV4 - SN7893, 2024-09-05	DAE4 Sn878, 2025-03-05

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	2025-04-04	2025-04-04
psSAR1g [W/kg]	3.63	3.71
psSAR10g [W/kg]	1.81	1.96
Power Drift [dB]	-0.05	-0.02
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		82.6
Dist 3dB Peak [mm]		9.1


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	7.57	1.39	38.9	22.4	21.5

Hardware Setup

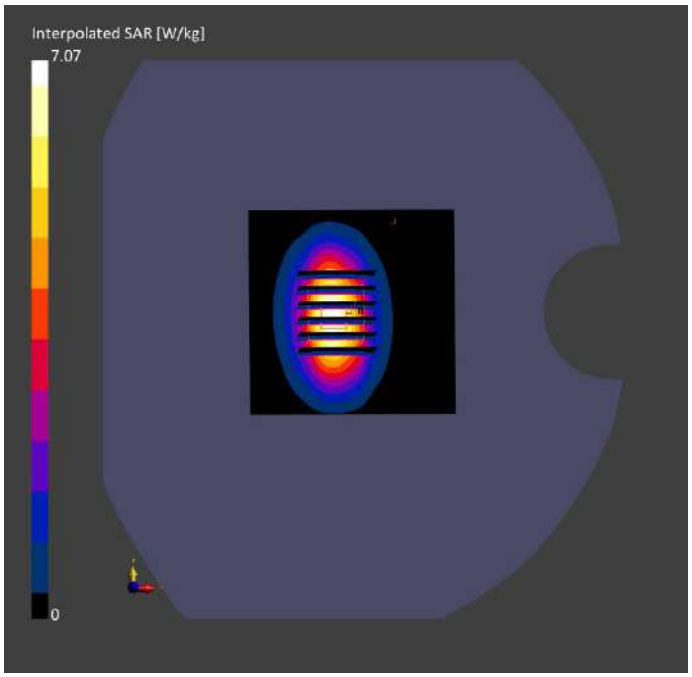
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 2090	HBBL-600-10000 2025-04-05	EX3DV4 - SN7893, 2024-09-05	DAE4 Sn878, 2025-03-05

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	2025-04-05	2025-04-05
psSAR1g [W/kg]	3.53	3.77
psSAR10g [W/kg]	1.71	2.03
Power Drift [dB]	-0.05	-0.02
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		82.4
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	7.57	1.39	39.6	22.5	21.7

Hardware Setup

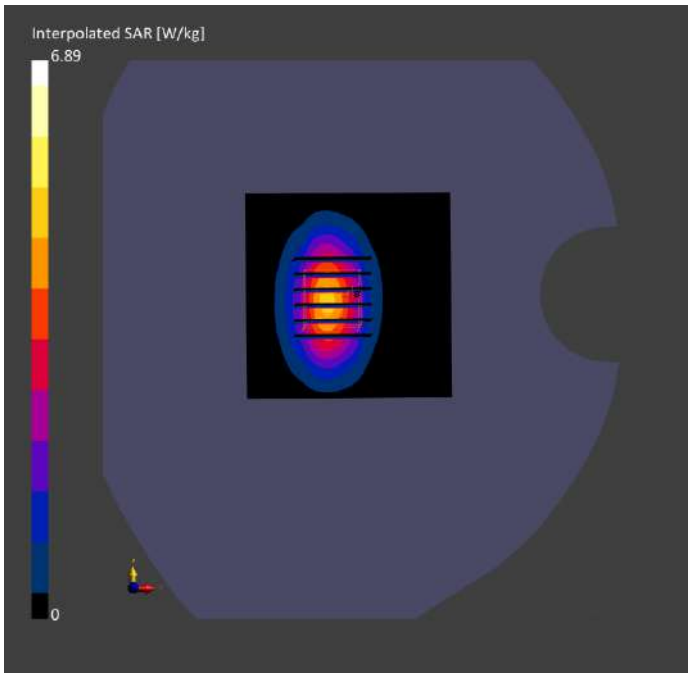
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 2090	HBBL-600-10000 2025-04-06	EX3DV4 - SN7893, 2024-09-05	DAE4 Sn878, 2025-03-05

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	2025-04-06	2025-04-06
psSAR1g [W/kg]	3.55	3.66
psSAR10g [W/kg]	1.78	1.89
Power Drift [dB]	-0.02	-0.05
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		82.5
Dist 3dB Peak [mm]		9.1


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	7.57	1.41	38.8	22.3	21.6

Hardware Setup

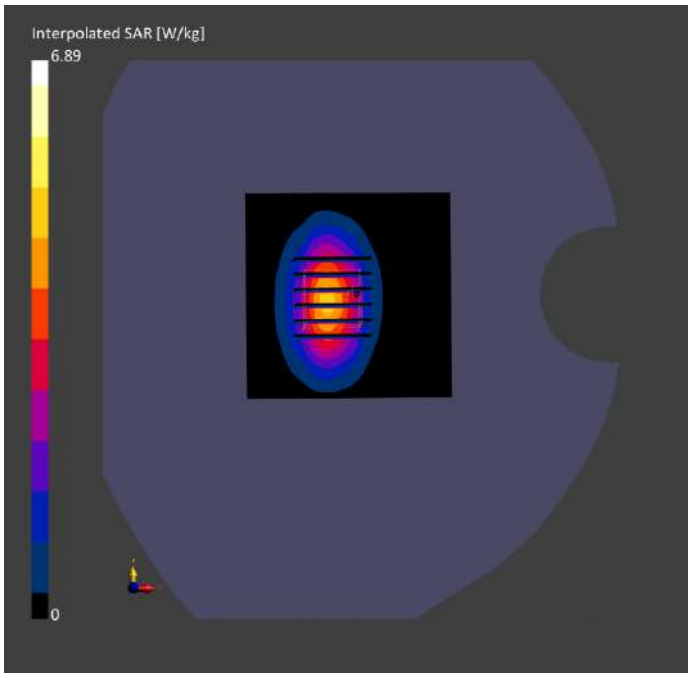
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 2090	HBBL-600-10000 2025-04-07	EX3DV4 - SN7893, 2024-09-05	DAE4 Sn878, 2025-03-05

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	2025-04-07	2025-04-07
psSAR1g [W/kg]	3.62	3.75
psSAR10g [W/kg]	1.78	1.98
Power Drift [dB]	-0.07	-0.03
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		82.5
Dist 3dB Peak [mm]		9.3


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	7.57	1.40	38.7	22.5	21.6

Hardware Setup

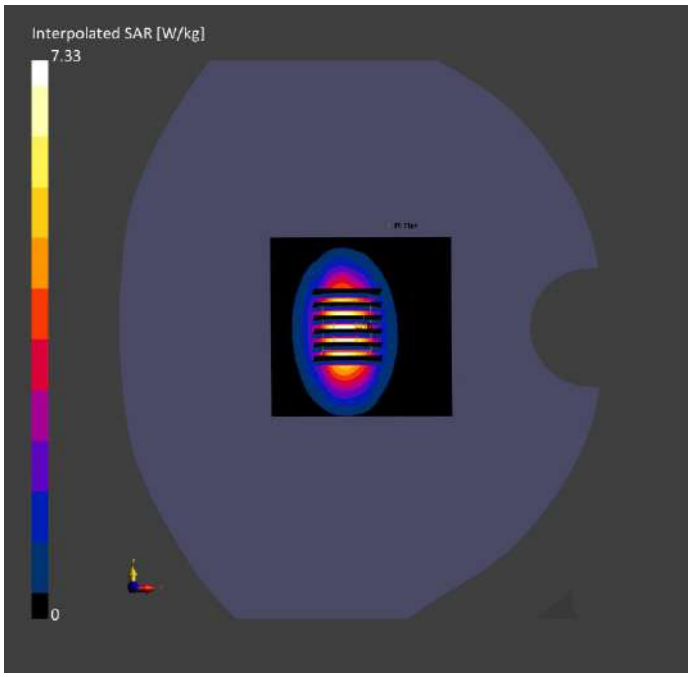
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 2090	HBBL-600-10000 2025-04-08	EX3DV4 - SN7893, 2024-09-05	DAE4 Sn878, 2025-03-05

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	2025-04-08	2025-04-08
psSAR1g [W/kg]	3.62	3.68
psSAR10g [W/kg]	1.92	1.96
Power Drift [dB]	-0.04	-0.02
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		82.1
Dist 3dB Peak [mm]		9.2


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	7.57	1.37	39.8	22.2	21.4

Hardware Setup

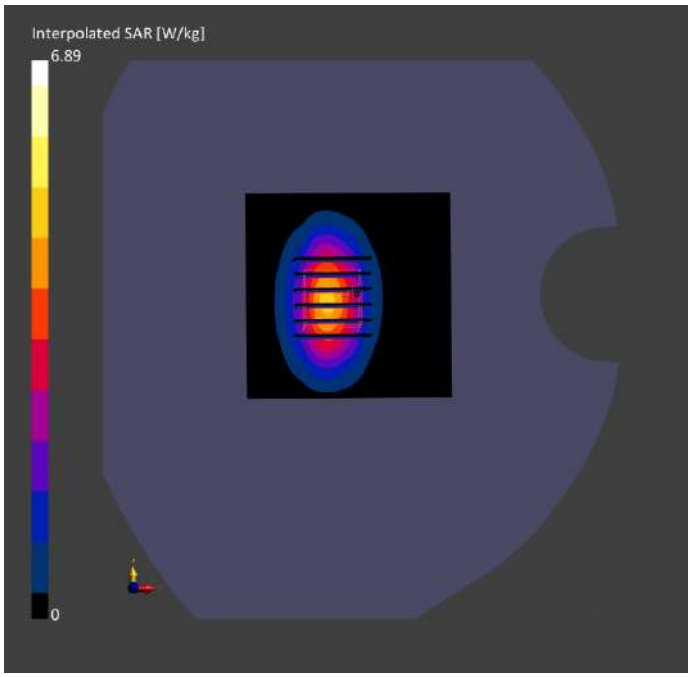
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 2090	HBBL-600-10000 2025-04-09	EX3DV4 - SN7893, 2024-09-05	DAE4 Sn878, 2025-03-05

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	2025-04-09	2025-04-09
psSAR1g [W/kg]	3.51	3.72
psSAR10g [W/kg]	1.72	1.92
Power Drift [dB]	-0.02	-0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		82.5
Dist 3dB Peak [mm]		9.1


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	7.57	1.36	41.1	22.4	21.6

Hardware Setup

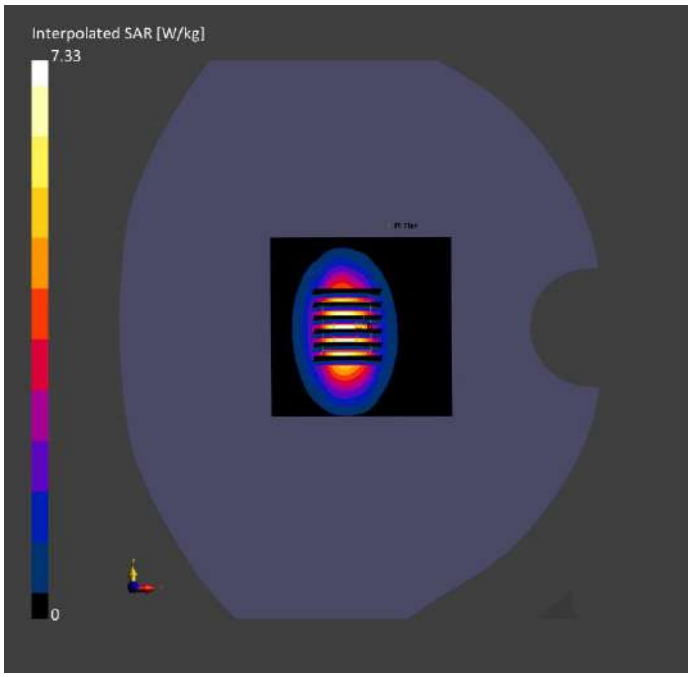
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 2090	HBBL-600-10000 2025-04-10	EX3DV4 - SN7893, 2024-09-05	DAE4 Sn878, 2025-03-05

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	2025-04-10	2025-04-10
psSAR1g [W/kg]	3.69	3.62
psSAR10g [W/kg]	1.88	1.88
Power Drift [dB]	-0.11	-0.08
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		82.7
Dist 3dB Peak [mm]		9.2


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	7.57	1.37	40.9	22.5	21.6

Hardware Setup

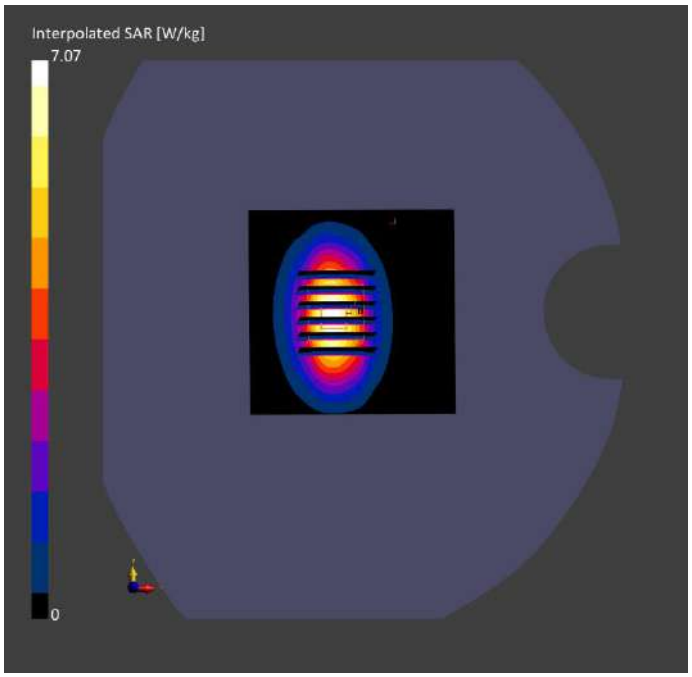
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 2090	HBBL-600-10000 2025-04-11	EX3DV4 - SN7893, 2024-09-05	DAE4 Sn878, 2025-03-05

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	2025-04-11	2025-04-11
psSAR1g [W/kg]	3.58	3.79
psSAR10g [W/kg]	1.75	1.95
Power Drift [dB]	-0.12	-0.05
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		82.5
Dist 3dB Peak [mm]		9.1


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	7.57	1.34	39.2	22.1	21.2

Hardware Setup

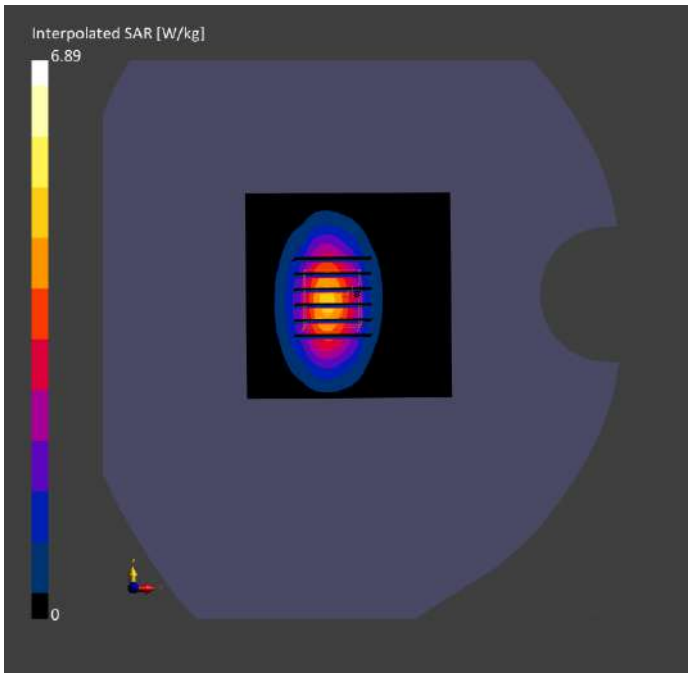
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 2090	HBBL-600-10000 2025-04-12	EX3DV4 - SN7893, 2024-09-05	DAE4 Sn878, 2025-03-05

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	2025-04-12	2025-04-12
psSAR1g [W/kg]	3.51	3.71
psSAR10g [W/kg]	1.72	1.98
Power Drift [dB]	-0.15	-0.08
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		82.4
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	7.57	1.39	38.8	22.3	21.4

Hardware Setup

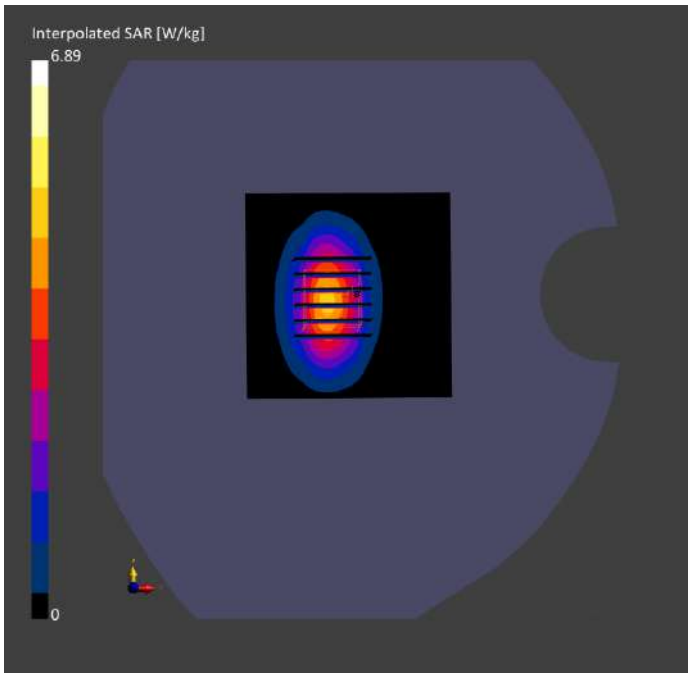
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 2090	HBBL-600-10000 2025-04-13	EX3DV4 - SN7893, 2024-09-05	DAE4 Sn878, 2025-03-05

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	2025-04-13	2025-04-13
psSAR1g [W/kg]	3.65	3.72
psSAR10g [W/kg]	1.81	2.05
Power Drift [dB]	-0.02	-0.04
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		82.4
Dist 3dB Peak [mm]		9.4


Interpolated SAR [W/kg]
6.89
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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	7.57	1.40	40.3	22.5	21.6

Hardware Setup

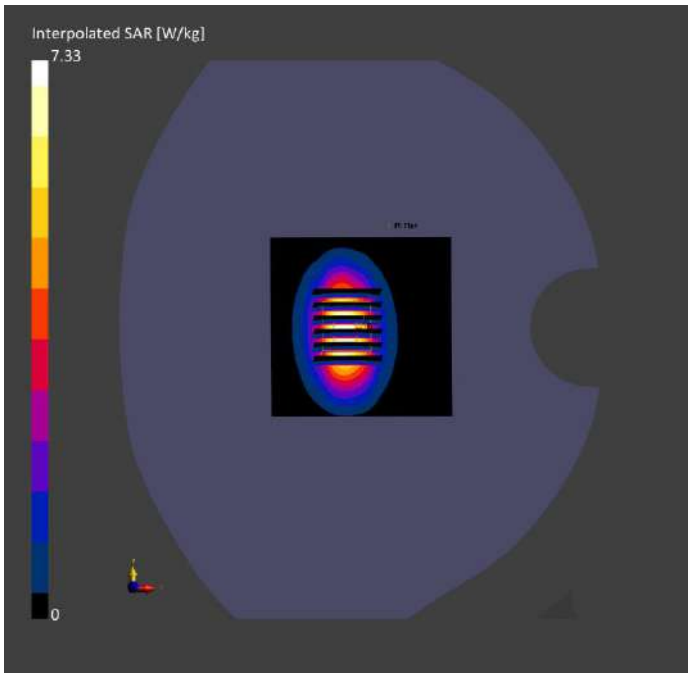
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 2090	HBBL-600-10000 2025-04-14	EX3DV4 - SN7893, 2024-09-05	DAE4 Sn878, 2025-03-05

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	2025-04-14	2025-04-14
psSAR1g [W/kg]	3.71	3.61
psSAR10g [W/kg]	1.99	1.92
Power Drift [dB]	-0.06	-0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		82.2
Dist 3dB Peak [mm]		9.1


Interpolated SAR [W/kg]
7.33
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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	7.57	1.40	39.6	22.1	21.4

Hardware Setup

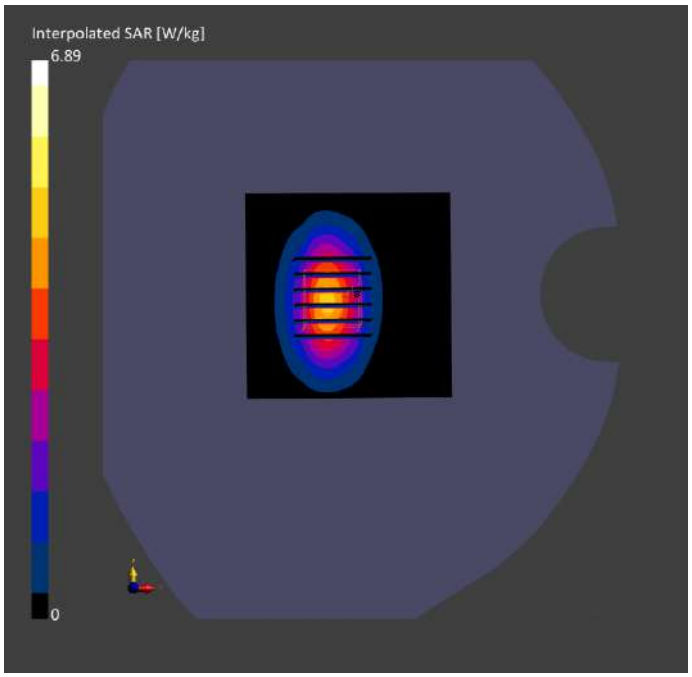
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 2090	HBBL-600-10000 2025-04-15	EX3DV4 - SN7893, 2024-09-05	DAE4 Sn878, 2025-03-05

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	2025-04-15	2025-04-15
psSAR1g [W/kg]	3.58	3.69
psSAR10g [W/kg]	1.79	1.98
Power Drift [dB]	-0.07	-0.02
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		82.5
Dist 3dB Peak [mm]		9.6


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	7.57	1.36	39.2	22.5	21.6

Hardware Setup

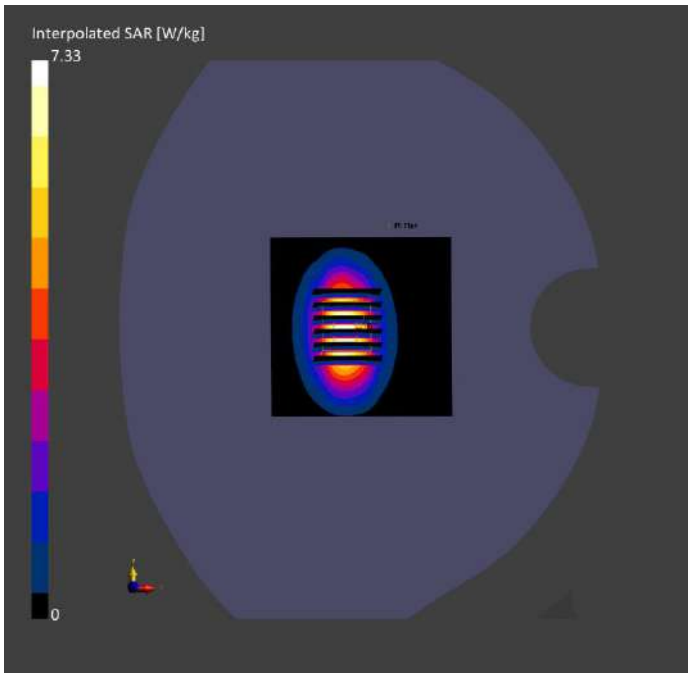
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 2090	HBBL-600-10000 2025-04-16	EX3DV4 - SN7893, 2024-09-05	DAE4 Sn878, 2025-03-05

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	2025-04-16	2025-04-16
psSAR1g [W/kg]	3.52	3.61
psSAR10g [W/kg]	1.85	1.94
Power Drift [dB]	-0.09	-0.06
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		82.5
Dist 3dB Peak [mm]		9.2


Interpolated SAR [W/kg]
7.33
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	7.34	1.43	40.1	22.2	21.4

Hardware Setup

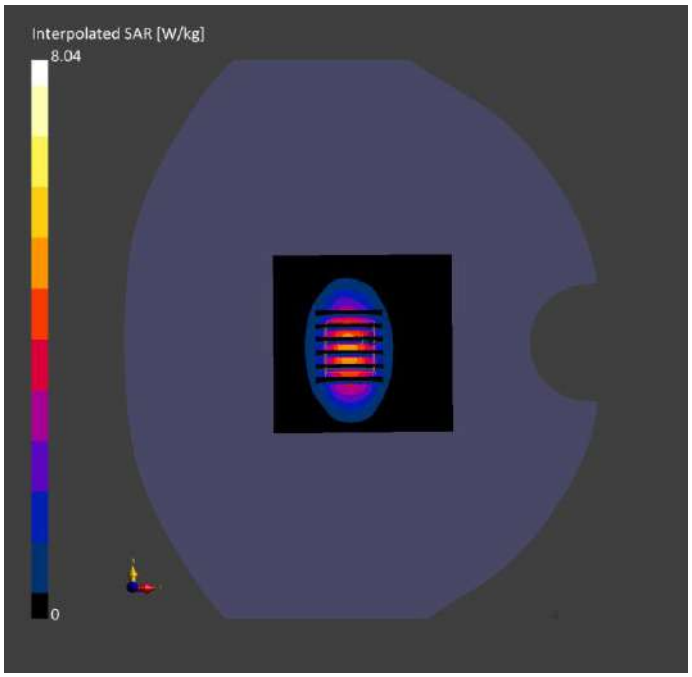
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 2090	HBBL-600-10000 2025-04-17	EX3DV4 - SN7893, 2024-09-05	DAE4 Sn878, 2025-03-05

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	2025-04-17	2025-04-17
psSAR1g [W/kg]	3.88	4.05
psSAR10g [W/kg]	1.92	2.08
Power Drift [dB]	0.01	0.03
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		81.6
Dist 3dB Peak [mm]		9.4


Interpolated SAR [W/kg]
8.04
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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	7.34	1.42	39.7	22.1	21.2

Hardware Setup

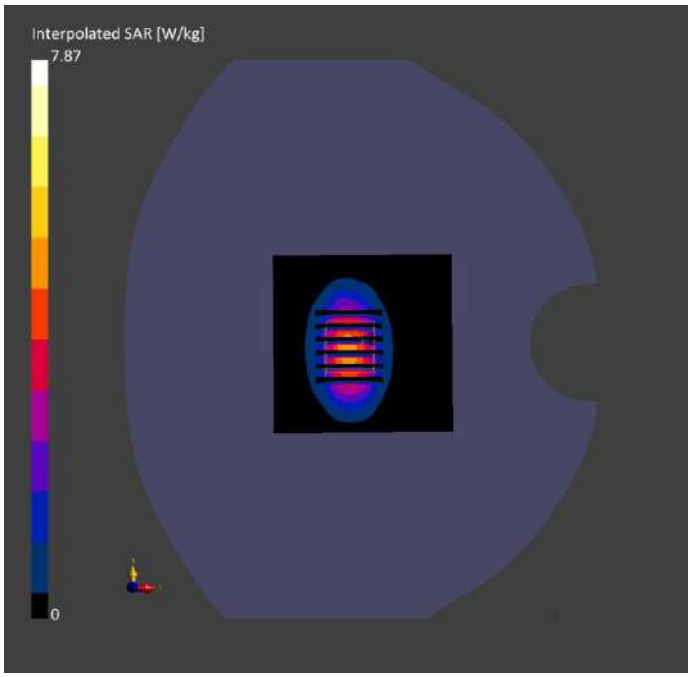
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 2090	HBBL-600-10000 2025-04-18	EX3DV4 - SN7893, 2024-09-05	DAE4 Sn878, 2025-03-05

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	2025-04-18	2025-04-18
psSAR1g [W/kg]	4.10	4.11
psSAR10g [W/kg]	2.01	2.16
Power Drift [dB]	0.05	-0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		81.7
Dist 3dB Peak [mm]		9.7


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	7.34	1.44	39.7	22.3	21.5

Hardware Setup

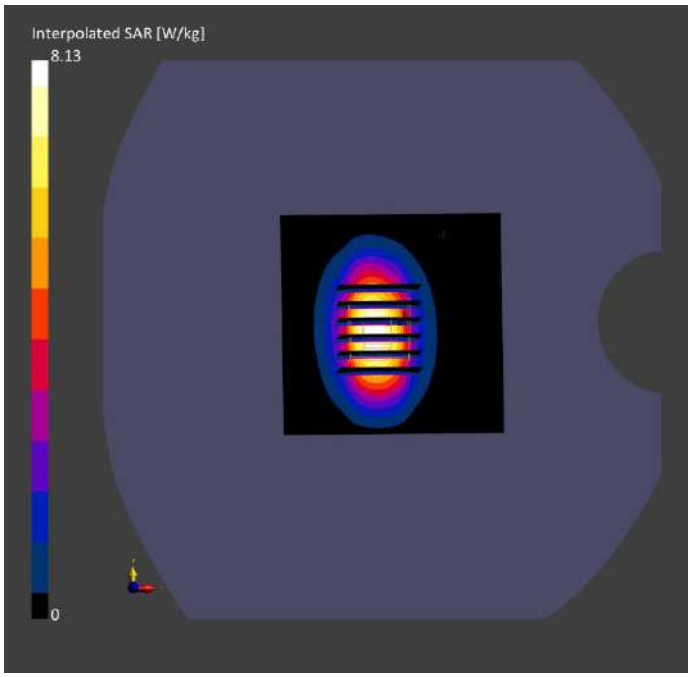
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 2090	HBBL-600-10000 2025-04-19	EX3DV4 - SN7893, 2024-09-05	DAE4 Sn878, 2025-03-05

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	2025-04-19	2025-04-19
psSAR1g [W/kg]	4.05	4.18
psSAR10g [W/kg]	2.01	2.19
Power Drift [dB]	0.06	-0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		80.6
Dist 3dB Peak [mm]		9.6


Interpolated SAR [W/kg]
8.13
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	7.34	1.43	39.5	22.3	21.5

Hardware Setup

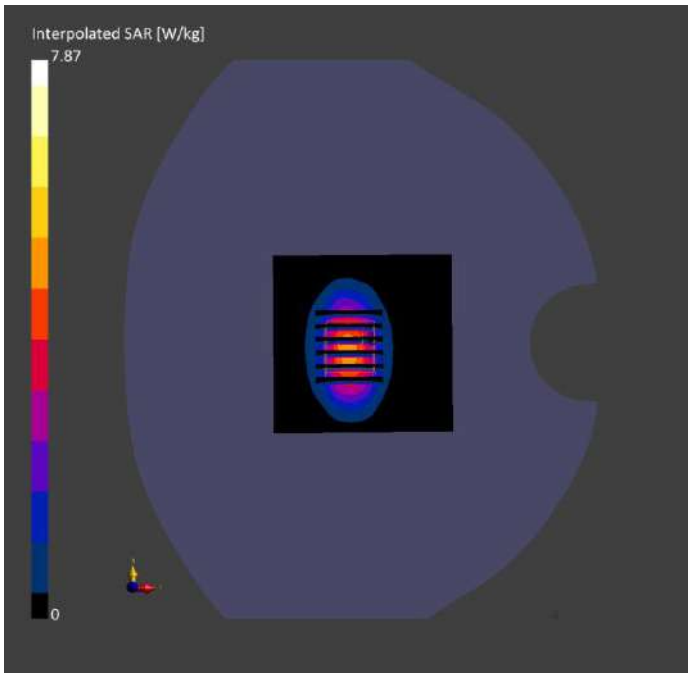
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 2090	HBBL-600-10000 2025-04-20	EX3DV4 - SN7893, 2024-09-05	DAE4 Sn878, 2025-03-05

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	2025-04-20	2025-04-20
psSAR1g [W/kg]	4.19	4.26
psSAR10g [W/kg]	2.02	2.11
Power Drift [dB]	0.04	-0.02
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		81.6
Dist 3dB Peak [mm]		9.6


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	7.34	1.40	39.2	22.1	21.2

Hardware Setup

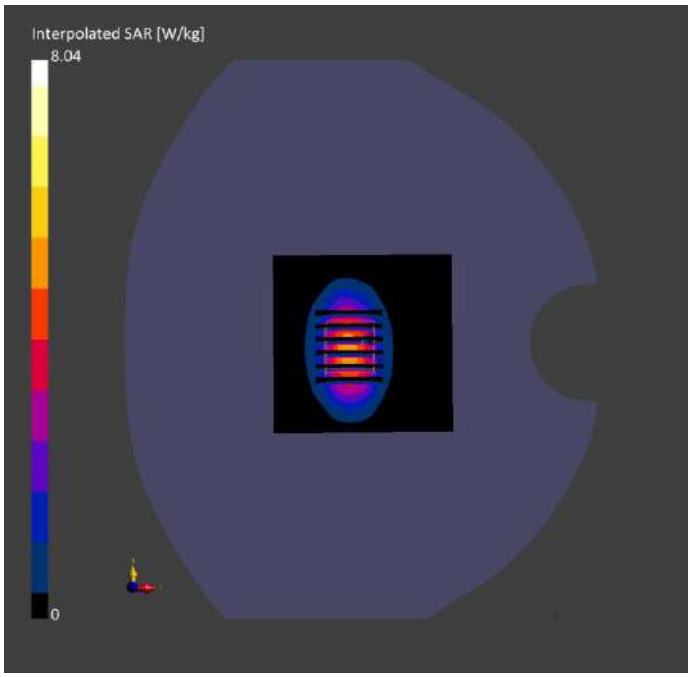
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 2090	HBBL-600-10000 2025-04-21	EX3DV4 - SN7893, 2024-09-05	DAE4 Sn878, 2025-03-05

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	2025-04-21	2025-04-21
psSAR1g [W/kg]	3.91	4.31
psSAR10g [W/kg]	1.95	2.26
Power Drift [dB]	0.05	0.02
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		81.4
Dist 3dB Peak [mm]		9.4


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	7.34	1.44	38.9	22.2	21.4

Hardware Setup

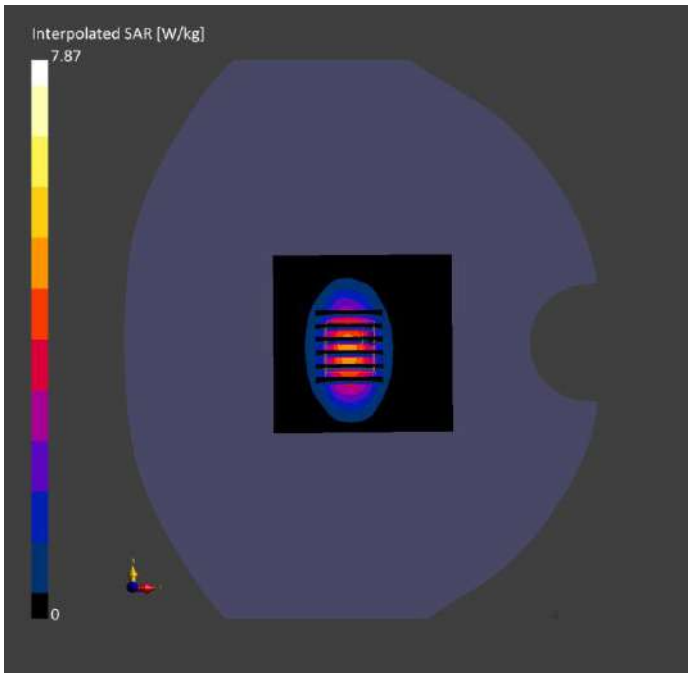
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 2090	HBBL-600-10000 2025-04-22	EX3DV4 - SN7893, 2024-09-05	DAE4 Sn878, 2025-03-05

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	2025-04-22	2025-04-22
psSAR1g [W/kg]	4.19	4.14
psSAR10g [W/kg]	2.01	2.16
Power Drift [dB]	0.02	-0.05
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		81.3
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	7.34	1.44	38.7	22.1	21.2

Hardware Setup

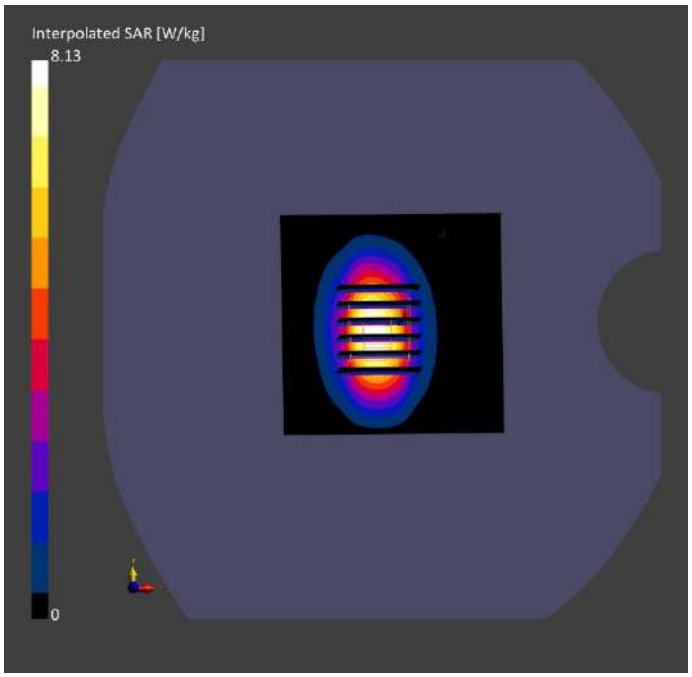
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 2090	HBBL-600-10000 2025-04-23	EX3DV4 - SN7893, 2024-09-05	DAE4 Sn878, 2025-03-05

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	2025-04-23	2025-04-23
psSAR1g [W/kg]	4.14	4.23
psSAR10g [W/kg]	2.11	2.18
Power Drift [dB]	0.08	-0.03
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		80.5
Dist 3dB Peak [mm]		9.4


Interpolated SAR [W/kg]
8.13
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	7.34	1.45	39.2	22.4	21.7

Hardware Setup

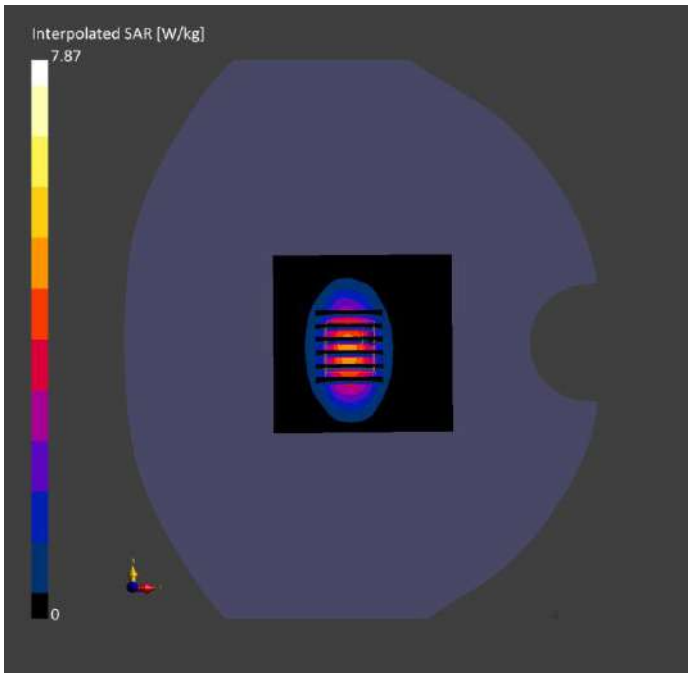
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 2090	HBBL-600-10000 2025-04-24	EX3DV4 - SN7893, 2024-09-05	DAE4 Sn878, 2025-03-05

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	2025-04-24	2025-04-24
psSAR1g [W/kg]	4.15	4.21
psSAR10g [W/kg]	2.03	2.09
Power Drift [dB]	0.11	-0.12
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		81.5
Dist 3dB Peak [mm]		9.7


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	7.34	1.42	39.9	22.2	21.3

Hardware Setup

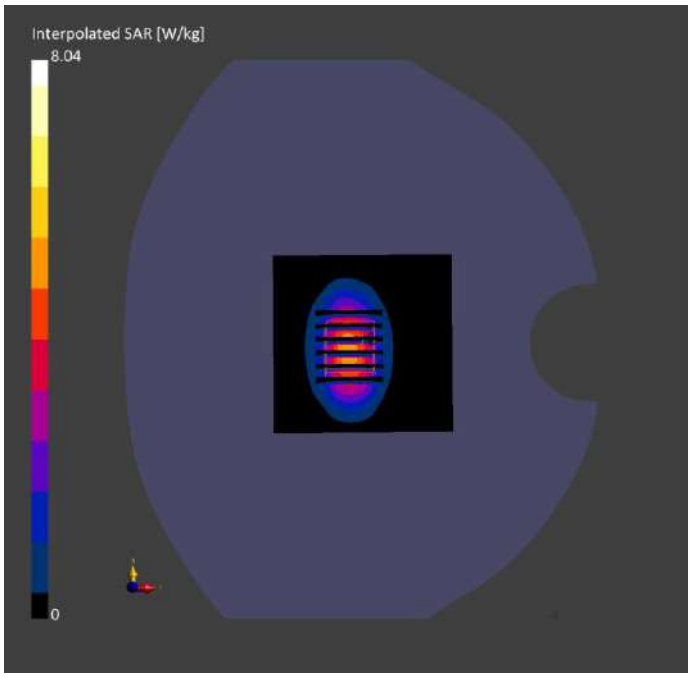
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 2090	HBBL-600-10000 2025-04-25	EX3DV4 - SN7893, 2024-09-05	DAE4 Sn878, 2025-03-05

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	2025-04-25	2025-04-25
psSAR1g [W/kg]	3.94	4.12
psSAR10g [W/kg]	1.91	2.15
Power Drift [dB]	0.13	0.05
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		81.5
Dist 3dB Peak [mm]		9.3


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	7.34	1.41	39.7	22.5	21.5

Hardware Setup

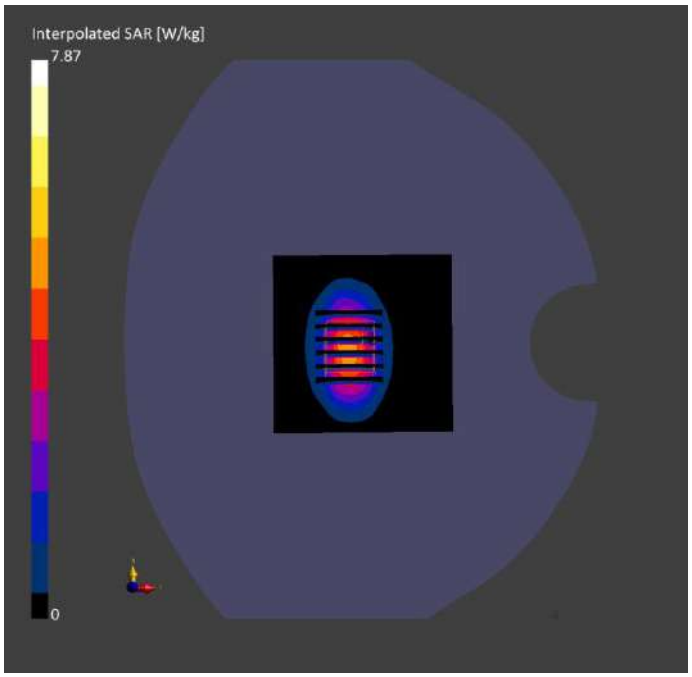
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 2090	HBBL-600-10000 2025-04-26	EX3DV4 - SN7893, 2024-09-05	DAE4 Sn878, 2025-03-05

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	2025-04-26	2025-04-26
psSAR1g [W/kg]	4.08	4.15
psSAR10g [W/kg]	2.02	2.19
Power Drift [dB]	0.04	-0.11
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		81.4
Dist 3dB Peak [mm]		9.5


Interpolated SAR [W/kg]
7.87
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	6.98	1.82	38.7	22.4	21.4

Hardware Setup

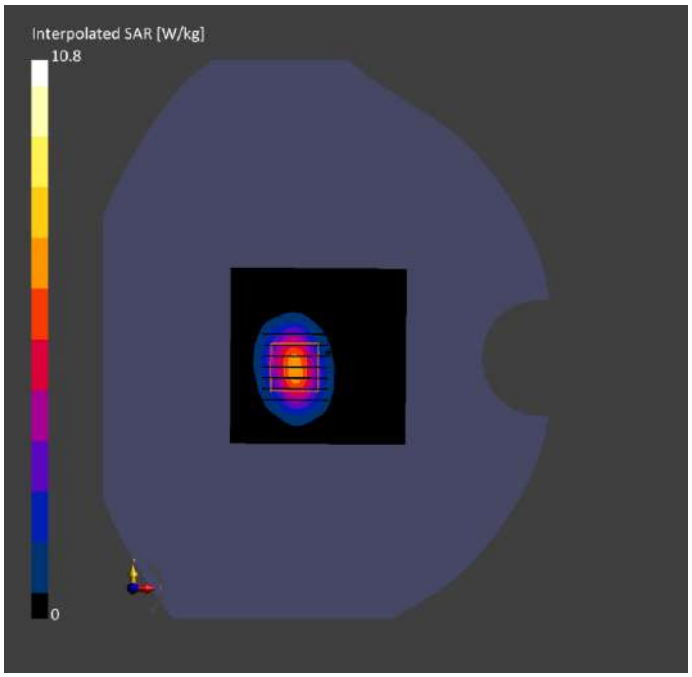
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 2090	HBBL-600-10000 2025-04-27	EX3DV4 - SN7893, 2024-09-05	DAE4 Sn878, 2025-03-05

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	2025-04-27	2025-04-27
psSAR1g [W/kg]	5.22	5.24
psSAR10g [W/kg]	2.29	2.55
Power Drift [dB]	0.06	-0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		81.6
Dist 3dB Peak [mm]		9.4


Interpolated SAR [W/kg]
10.8
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	1.96	37.8	22.2	21.6

Hardware Setup

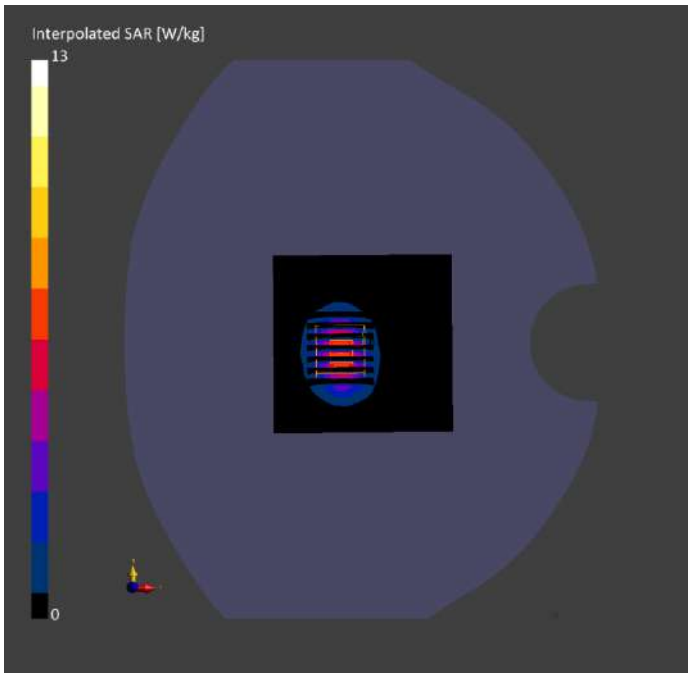
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 2090	HBBL-600-10000 2025-04-28	EX3DV4 - SN7893, 2024-09-05	DAE4 Sn878, 2025-03-05

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	2025-04-28	2025-04-28
psSAR1g [W/kg]	5.39	5.57
psSAR10g [W/kg]	2.48	2.65
Power Drift [dB]	0.04	0.06
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		79.3
Dist 3dB Peak [mm]		8.9


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	7.59	1.96	38.6	22.1	21.2

Hardware Setup

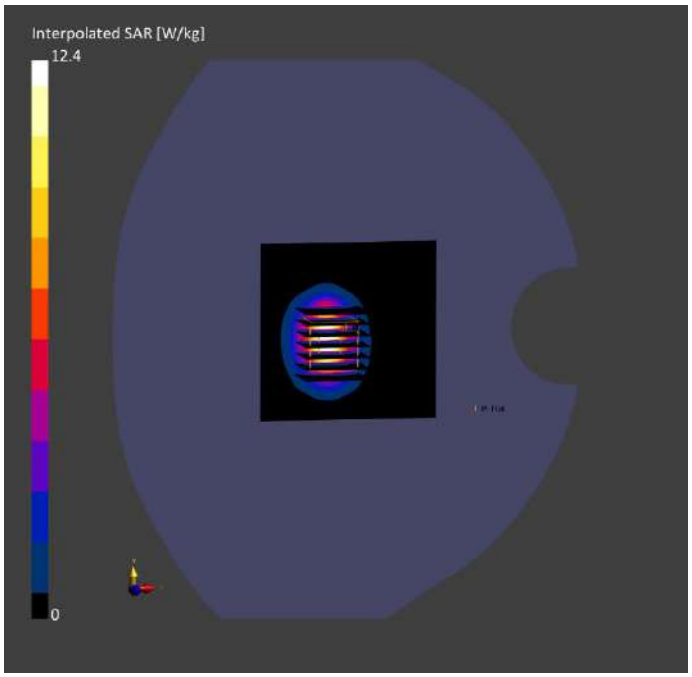
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-04-18	EX3DV4 - SN7510, 2024-06-25	DAE4 Sn1710, 2025-01-20

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	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	2025-04-18	2025-04-18
psSAR1g [W/kg]	5.38	5.65
psSAR10g [W/kg]	2.41	2.48
Power Drift [dB]	0.02	0.04
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		79.8
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	7.59	1.95	37.9	22.5	21.6

Hardware Setup

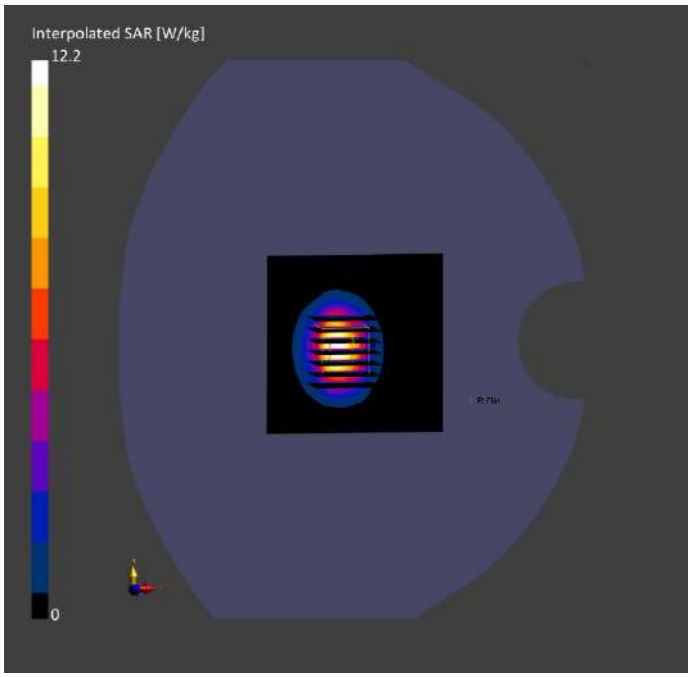
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-04-19	EX3DV4 - SN7510, 2024-06-25	DAE4 Sn1710, 2025-01-20

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	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	2025-04-19	2025-04-19
psSAR1g [W/kg]	5.71	5.61
psSAR10g [W/kg]	2.46	2.59
Power Drift [dB]	0.01	-0.03
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		79.5
Dist 3dB Peak [mm]		9.1


Interpolated SAR [W/kg]
12.2
0

System Performance Check Data (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	7.59	2.02	39.1	22.5	21.6

Hardware Setup

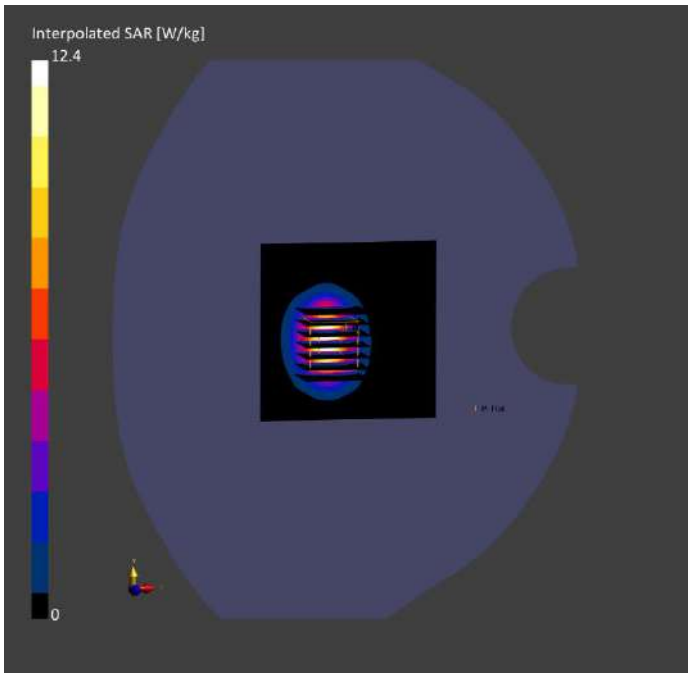
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-04-29	EX3DV4 - SN7510, 2024-06-25	DAE4 Sn1710, 2025-01-20

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	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	2025-04-29	2025-04-29
psSAR1g [W/kg]	5.53	5.66
psSAR10g [W/kg]	2.40	2.52
Power Drift [dB]	0.00	0.05
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		80.1
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	CW, 0--	2600.0, 50	7.59	1.94	38.1	22.5	21.7

Hardware Setup

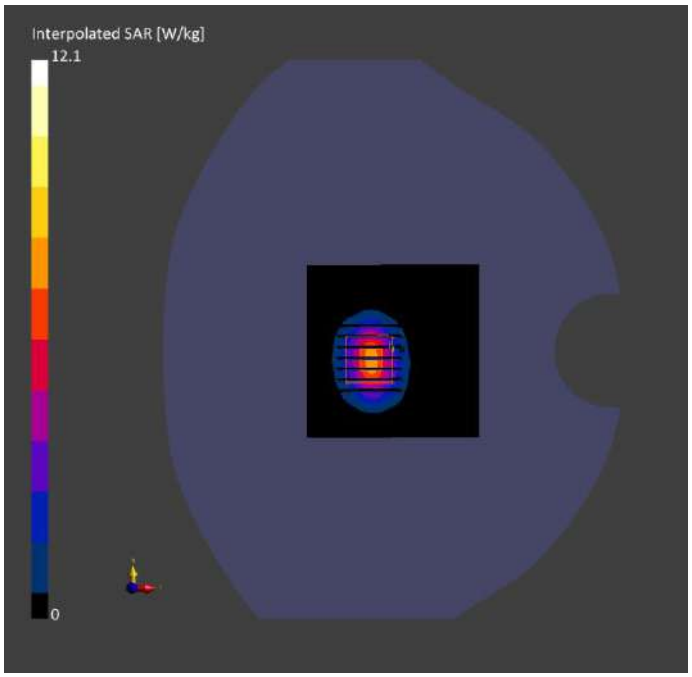
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-04-30	EX3DV4 - SN7510, 2024-06-25	DAE4 Sn1710, 2025-01-20

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	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	2025-04-30	2025-04-30
psSAR1g [W/kg]	5.34	5.52
psSAR10g [W/kg]	2.28	2.44
Power Drift [dB]	0.12	-0.04
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		80.5
Dist 3dB Peak [mm]		9.4


Interpolated SAR [W/kg]
12.1
0

System Performance Check Data (2600MHz)

Exposure Conditions

Phantom Section, TSL	Position, 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	7.59	1.96	38.2	22.5	21.6

Hardware Setup

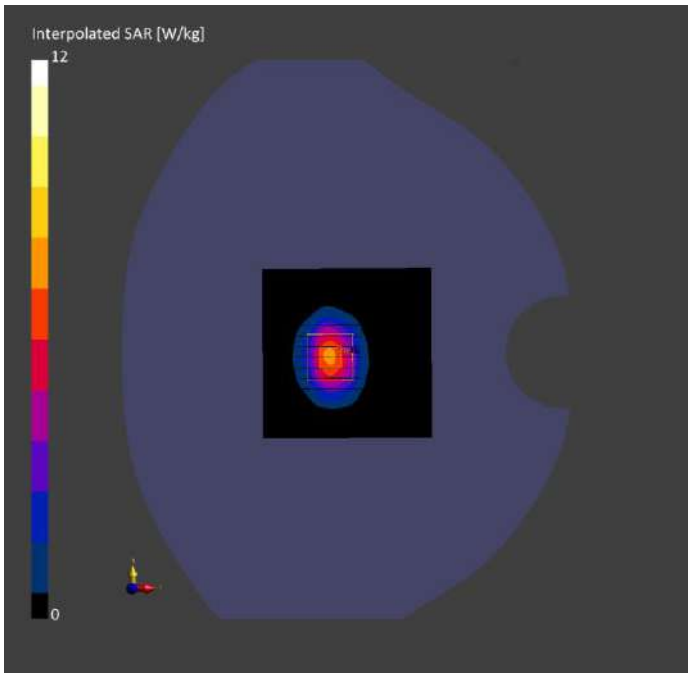
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-05-01	EX3DV4 - SN7510, 2024-06-25	DAE4 Sn1710, 2025-01-20

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	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	2025-05-01	2025-05-01
psSAR1g [W/kg]	5.71	5.68
psSAR10g [W/kg]	2.40	2.48
Power Drift [dB]	0.00	-0.02
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		79.5
Dist 3dB Peak [mm]		9.0


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		CD2600	CW, 0--	2600.0, 50	7.59	1.93	38.3	22.6	21.7

Hardware Setup

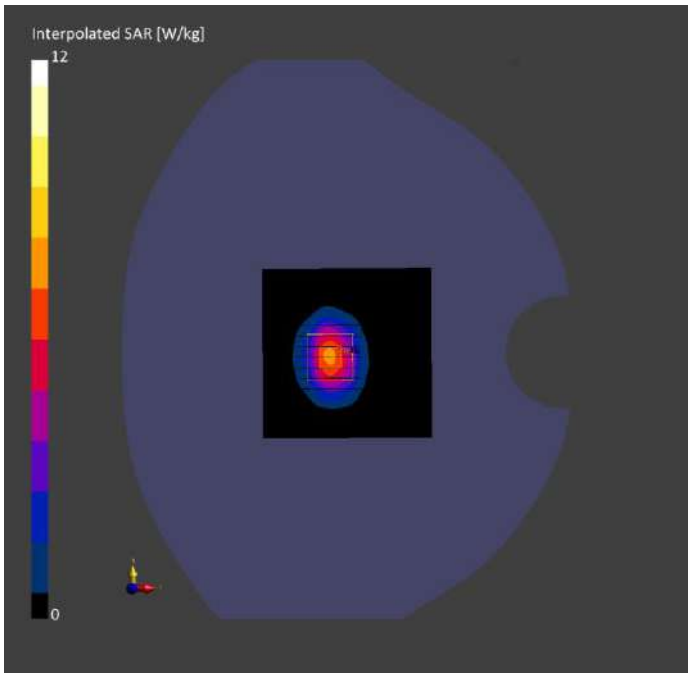
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-04-08	EX3DV4 - SN7510, 2024-06-25	DAE4 Sn1710, 2025-01-20

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	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	2025-04-08	2025-04-08
psSAR1g [W/kg]	5.73	5.63
psSAR10g [W/kg]	2.46	2.53
Power Drift [dB]	0.09	-0.02
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		79.4
Dist 3dB Peak [mm]		9.1


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		CD2600	CW, 0--	2600.0, 50	7.59	1.96	38.0	22.6	21.6

Hardware Setup

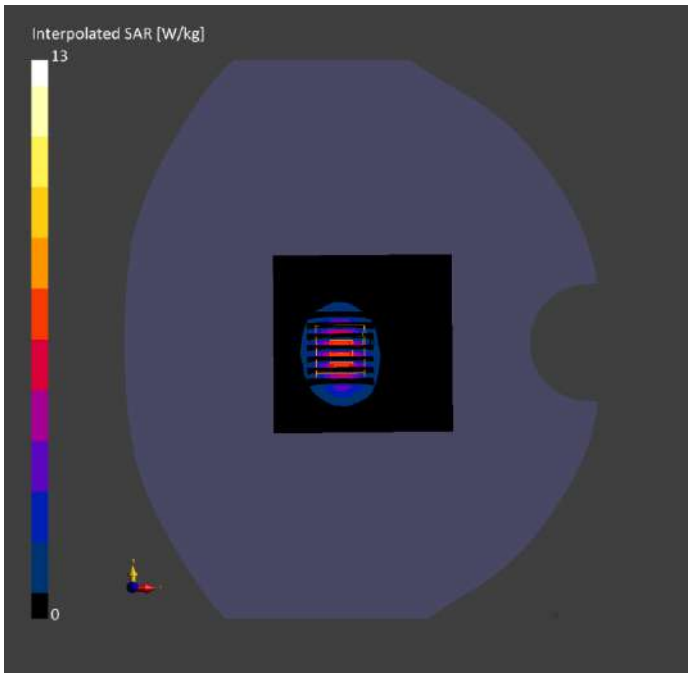
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-04-09	EX3DV4 - SN7510, 2024-06-25	DAE4 Sn1710, 2025-01-20

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	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	2025-04-09	2025-04-09
psSAR1g [W/kg]	5.39	5.58
psSAR10g [W/kg]	2.49	2.51
Power Drift [dB]	0.08	0.04
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		79.3
Dist 3dB Peak [mm]		8.7


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	7.59	1.96	38.2	22.4	21.5

Hardware Setup

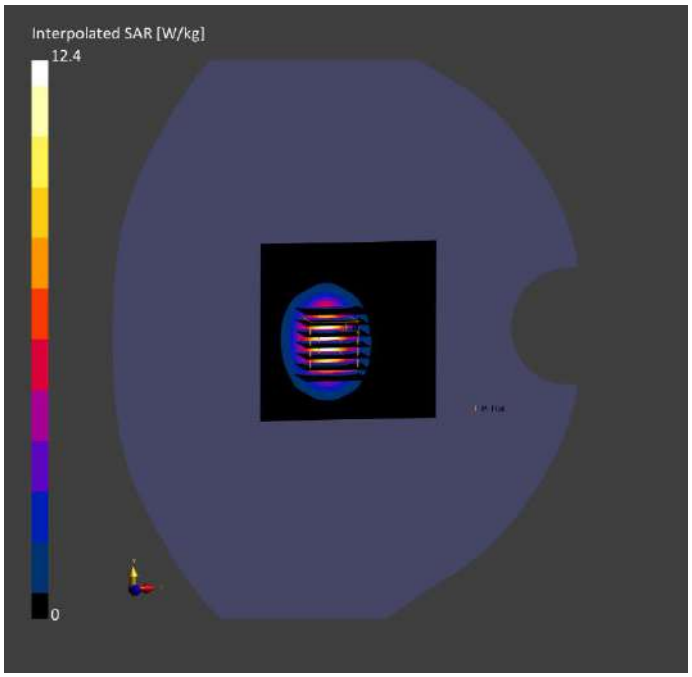
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-04-10	EX3DV4 - SN7510, 2024-06-25	DAE4 Sn1710, 2025-01-20

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	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	2025-04-10	2025-04-10
psSAR1g [W/kg]	5.63	5.54
psSAR10g [W/kg]	2.45	2.45
Power Drift [dB]	0.01	0.03
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		79.8
Dist 3dB Peak [mm]		8.7


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	7.59	2.00	39.6	22.3	21.4

Hardware Setup

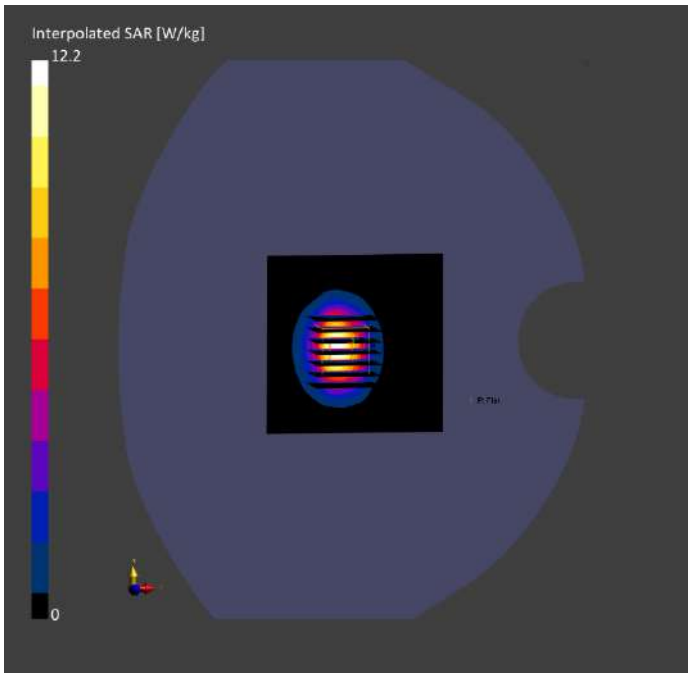
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-04-11	EX3DV4 - SN7510, 2024-06-25	DAE4 Sn1710, 2025-01-20

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	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	2025-04-11	2025-04-11
psSAR1g [W/kg]	5.59	5.57
psSAR10g [W/kg]	2.41	2.58
Power Drift [dB]	0.02	-0.03
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		79.5
Dist 3dB Peak [mm]		9.2


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	7.59	1.98	39.0	22.4	21.5

Hardware Setup

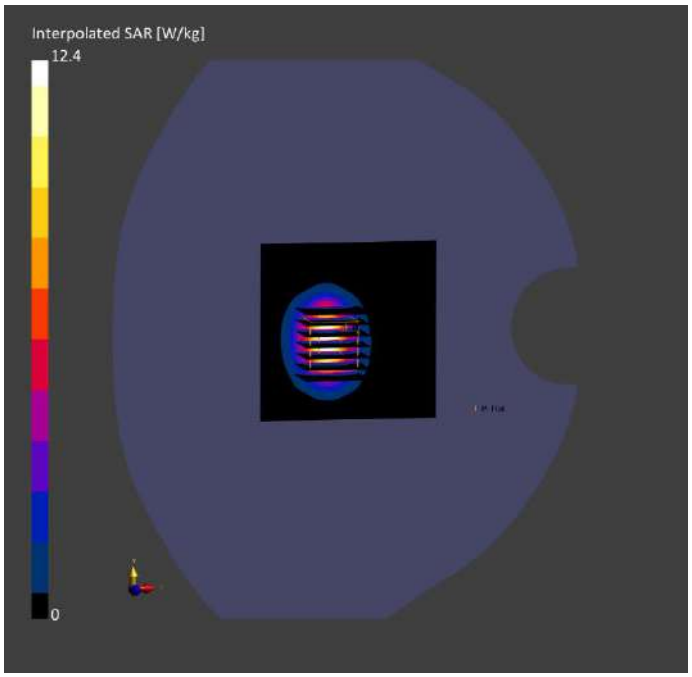
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-04-12	EX3DV4 - SN7510, 2024-06-25	DAE4 Sn1710, 2025-01-20

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	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	2025-04-12	2025-04-12
psSAR1g [W/kg]	5.51	5.61
psSAR10g [W/kg]	2.52	2.49
Power Drift [dB]	0.05	0.06
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		80.4
Dist 3dB Peak [mm]		8.3


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	7.59	2.01	38.9	22.3	21.4

Hardware Setup

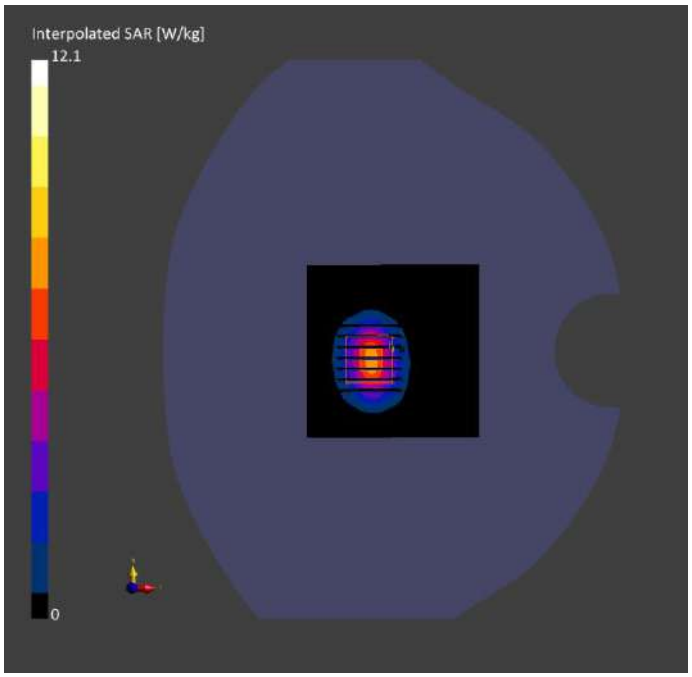
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-04-13	EX3DV4 - SN7510, 2024-06-25	DAE4 Sn1710, 2025-01-20

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	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	2025-04-13	2025-04-13
psSAR1g [W/kg]	5.33	5.52
psSAR10g [W/kg]	2.37	2.52
Power Drift [dB]	0.11	-0.03
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		80.3
Dist 3dB Peak [mm]		9.5


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	CW, 0--	2600.0, 50	7.59	2.03	39.0	22.4	21.6

Hardware Setup

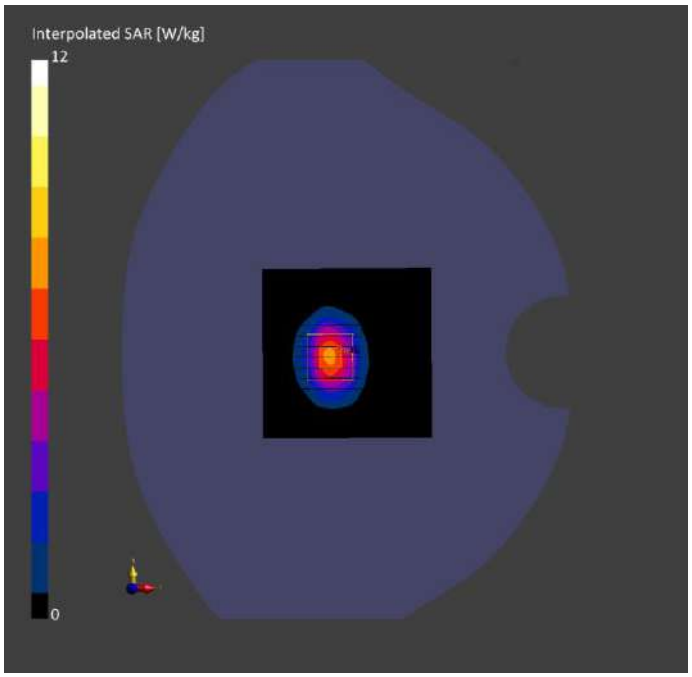
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-04-14	EX3DV4 - SN7510, 2024-06-25	DAE4 Sn1710, 2025-01-20

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	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	2025-04-14	2025-04-14
psSAR1g [W/kg]	5.58	5.69
psSAR10g [W/kg]	2.46	2.53
Power Drift [dB]	0.01	-0.03
Power Scaling Scaling Factor [dB]	Disabled	Disabled
TSL Correction	No correction	No correction
M2/M1 [%]		79.5
Dist 3dB Peak [mm]		9.1


Interpolated SAR [W/kg]
12
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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	7.59	1.95	37.7	22.6	21.7

Hardware Setup

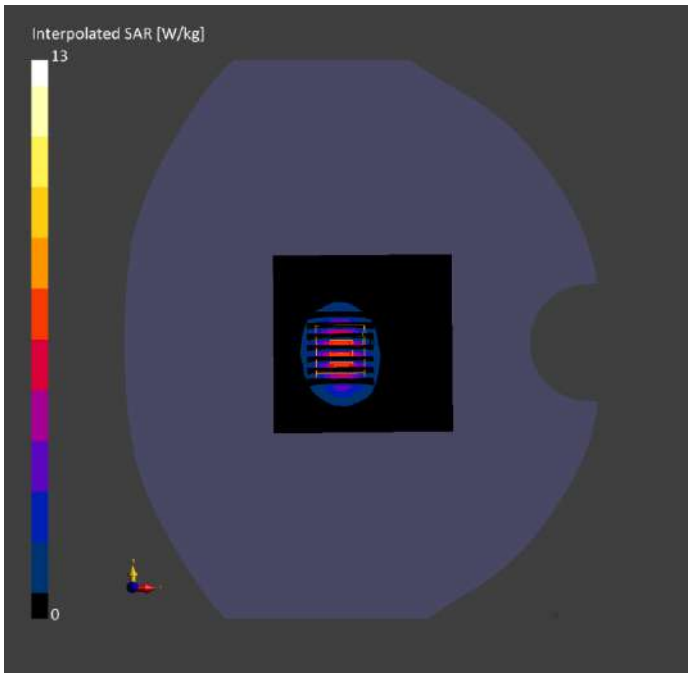
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-04-15	EX3DV4 - SN7510, 2024-06-25	DAE4 Sn1710, 2025-01-20

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	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	2025-04-15	2025-04-15
psSAR1g [W/kg]	5.35	5.55
psSAR10g [W/kg]	2.42	2.58
Power Drift [dB]	0.08	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	7.59	1.97	38.9	22.4	21.6

Hardware Setup

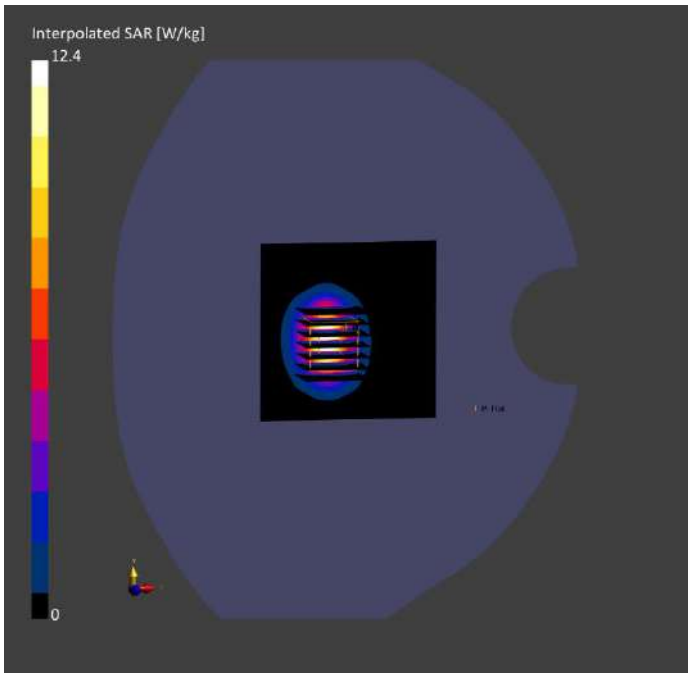
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-04-16	EX3DV4 - SN7510, 2024-06-25	DAE4 Sn1710, 2025-01-20

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	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	2025-04-16	2025-04-16
psSAR1g [W/kg]	5.37	5.64
psSAR10g [W/kg]	2.42	2.48
Power Drift [dB]	0.08	0.05
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		79.7
Dist 3dB Peak [mm]		8.6


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	7.59	1.98	37.7	22.6	21.7

Hardware Setup

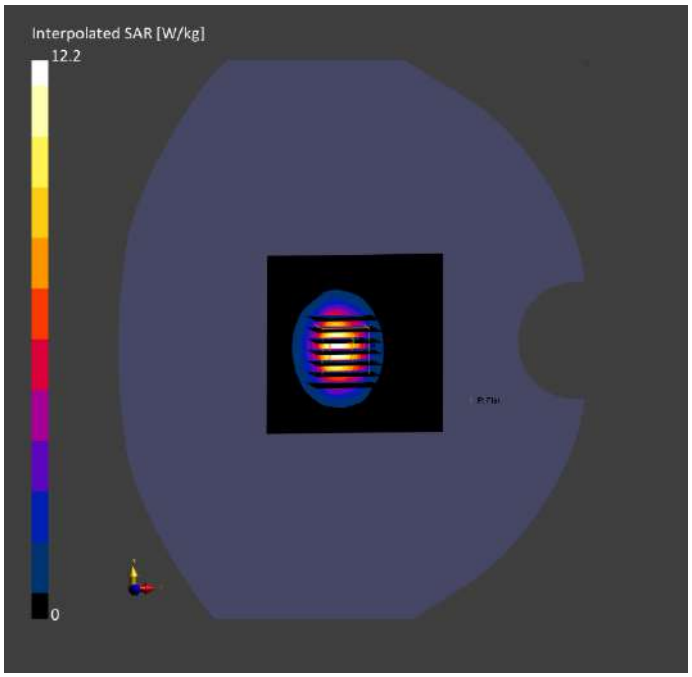
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-04-17	EX3DV4 - SN7510, 2024-06-25	DAE4 Sn1710, 2025-01-20

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	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	2025-04-17	2025-04-17
psSAR1g [W/kg]	5.68	5.58
psSAR10g [W/kg]	2.45	2.51
Power Drift [dB]	0.07	-0.05
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		79.4
Dist 3dB Peak [mm]		9.0


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	7.59	1.98	39.3	22.3	21.5

Hardware Setup

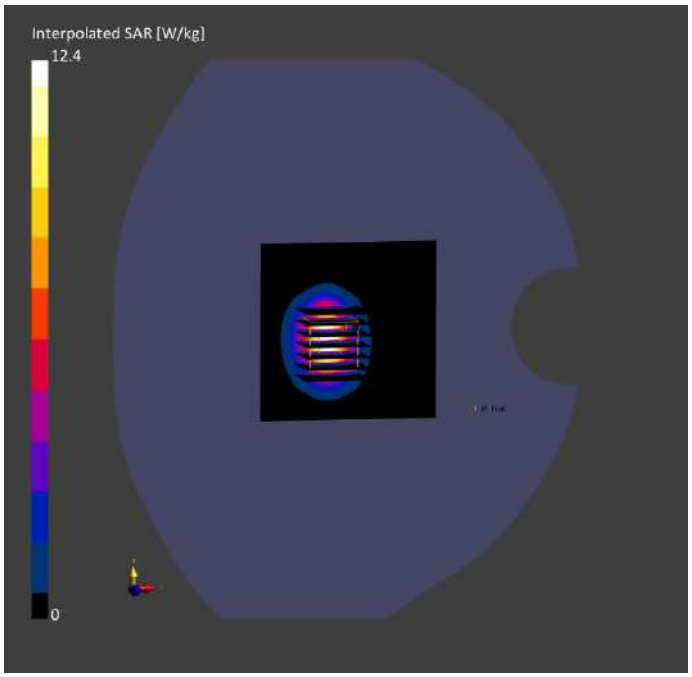
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-05-10	EX3DV4 - SN7510, 2024-06-25	DAE4 Sn1710, 2025-01-20

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	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	2025-05-10	2025-05-10
psSAR1g [W/kg]	5.58	5.72
psSAR10g [W/kg]	2.42	2.65
Power Drift [dB]	0.08	0.11
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		80.2
Dist 3dB Peak [mm]		8.5


Interpolated SAR [W/kg]
12.4
0

System Performance Check Data (2600MHz)

Exposure Conditions

Phantom Section, TSL	Position, 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	7.59	1.96	39.0	22.2	21.4

Hardware Setup

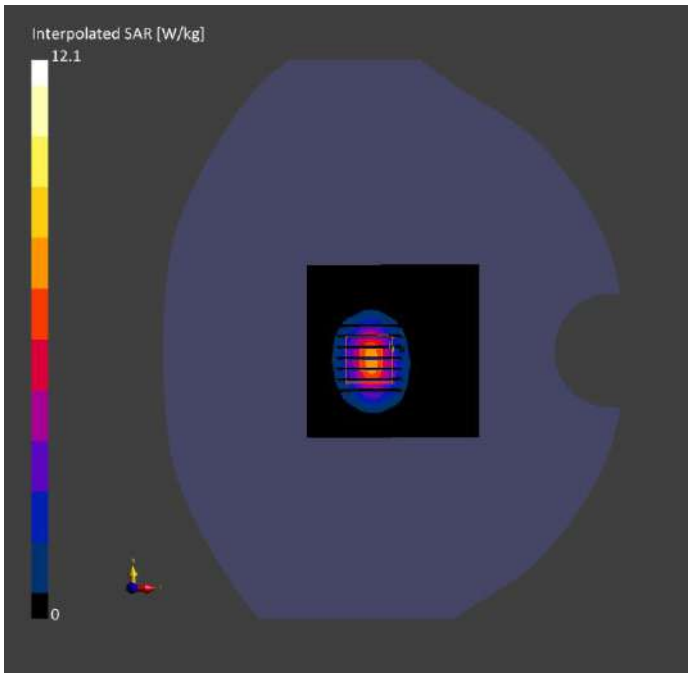
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-05-09	EX3DV4 - SN7510, 2024-06-25	DAE4 Sn1710, 2025-01-20

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	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	2025-05-09	2025-05-09
psSAR1g [W/kg]	5.38	5.58
psSAR10g [W/kg]	2.22	2.55
Power Drift [dB]	0.14	-0.06
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		80.4
Dist 3dB Peak [mm]		9.3


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	CW, 0--	2600.0, 50	7.59	1.98	38.5	22.3	21.3

Hardware Setup

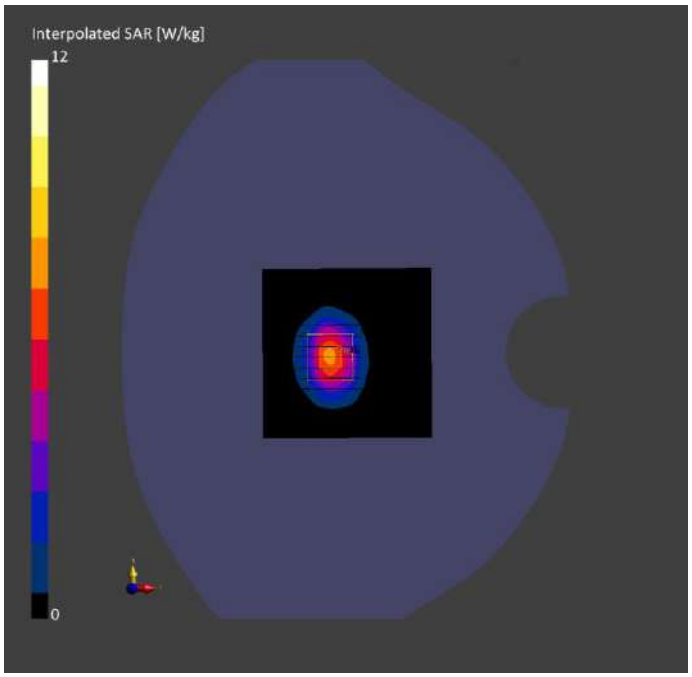
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-04-20	EX3DV4 - SN7510, 2024-06-25	DAE4 Sn1710, 2025-01-20

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	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	2025-04-20	2025-04-20
psSAR1g [W/kg]	5.69	5.63
psSAR10g [W/kg]	2.43	2.49
Power Drift [dB]	0.05	-0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		79.4
Dist 3dB Peak [mm]		9.1


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		CD2600	CW, 0--	2600.0, 50	7.59	1.98	38.4	22.2	21.5

Hardware Setup

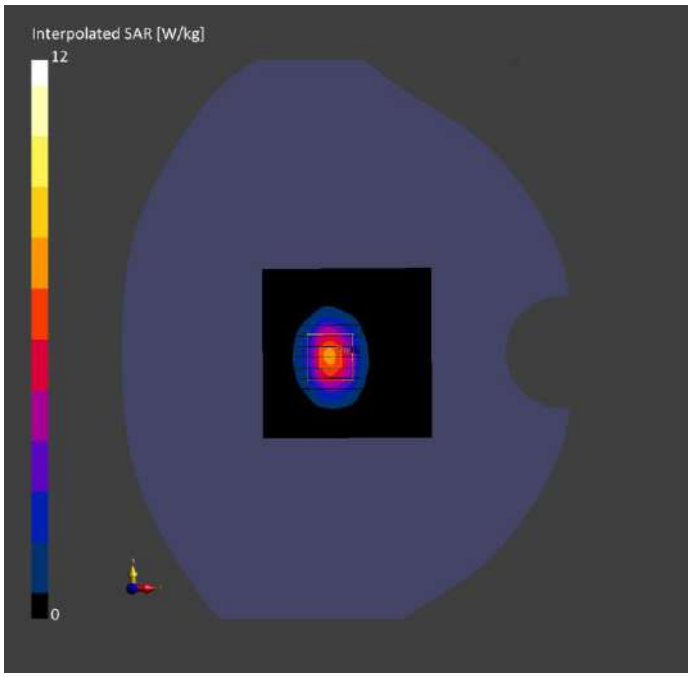
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-04-21	EX3DV4 - SN7510, 2024-06-25	DAE4 Sn1710, 2025-01-20

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	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	2025-04-21	2025-04-21
psSAR1g [W/kg]	5.78	5.62
psSAR10g [W/kg]	2.59	2.63
Power Drift [dB]	0.07	-0.06
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		79.2
Dist 3dB Peak [mm]		9.2


Interpolated SAR [W/kg]
12
0