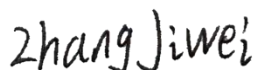


TEST REPORT

Applicant: vivo Mobile Communication Co., Ltd.
Address: No.1, vivo Road, Chang'an, Dongguan, Guangdong, China
Equipment Type: Mobile Phone
Model Name: V2430
Brand Name: vivo
FCC ID: 2AUCY-V2430
Test Standard: FCC 47 CFR Part 2.1093
(refer to section 3.1)
Maximum SAR: Head (1 g@0mm): 0.99 W/kg
Body-worn (1 g@15mm): 0.52 W/kg
Hotspot (1 g@10mm): 0.76 W/kg
Specific (10 g@10mm): 1.33 W/kg
Sample Arrival Date: Dec. 26, 2024
Test Date: Dec. 30, 2024 - Jan. 14, 2025
Date of Issue: Jan. 17, 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
<u>Rev. 01</u>	<u>Jan. 17, 2025</u>	<u>Initial Issue</u>

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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°C to 25°C
Ambient Relative Humidity	30% to 70%

2 PRODUCT INFORMATION

2.1 Applicant Information

Applicant	vivo Mobile Communication Co., Ltd.
Address	No.1, vivo Road, Chang'an, Dongguan, Guangdong, China

2.2 Manufacturer Information

Manufacturer	vivo Mobile Communication Co., Ltd.
Address	No.1, vivo Road, Chang'an, Dongguan, Guangdong, China

2.3 General Description for Equipment under Test (EUT)

EUT Name	Mobile Phone
Model Name Under Test	V2430
Series Model Name	N/A
Description of Model name differentiation	N/A
Hardware Version	MP_0.1
Software Version	N/A
Dimensions (Approx.)	N/A
Weight (Approx.)	N/A
EUT ID	S11, S12, S09, S10
IMEI Number	S11: IMEI1: 860134072001924; IMEI2:860134072001932
	S12: IMEI1: 860134072001908; IMEI2:860134072001916
	S09: IMEI1: 860134072001643; IMEI2:860134072001650
	S10: IMEI1: 860134072001726; IMEI2:860134072001734
Note1: EUT ID is used to identify the test sample in the lab internally.	
Note2: It is performed to test SAR with the EUT S09, S10 and conducted power with the EUT S11, S12.	

2.4 Ancillary Equipment

Ancillary Equipment 1	Battery	
	Brand Name	N/A
	Model No.	BA60
	Serial No.	N/A
	Capacity	Rated: 5050mAh Typical: 5150mAh
	Rated Voltage	3.85V
	Limit Charge Voltage	4.39V

2.5 Technical Information

Network and Wireless connectivity	2G Network GSM/GPRS/EDGE 850/1900 3G Network WCDMA/HSDPA/HSUPA Band 2/4/5 4G Network LTE FDD Band 2/4/5/7/13/18/19/26/66 LTE TDD Band 38/41 Bluetooth (BR+EDR+BLE) WIFI 802.11a, 802.11b, 802.11g, 802.11n(HT20/40) and 802.11ac (VHT20/40/80) Galileo, BDS, GLONASS, GPS, SBAS, QZSS, FM Receiver
Note: The EUT is a mobile phone, which supports dual SIM card under the same transceiver. Each SIM supports GSM, WCDMA and LTE, and both SIM share the same transmitting electro circuit, NV parameters, so only SIM1 was tested in this report.	

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

Operating Mode	GSM, WCDMA, LTE, 2.4G WIFI, 5G WIFI, Bluetooth		
Frequency Range	GSM 850	TX: 824 ~ 849 MHz	RX: 869 ~ 894 MHz
	GSM 1900	TX: 1850 ~ 1910 MHz	RX: 1930 ~ 1990 MHz
	WCDMA Band 2	TX: 1850 ~ 1910 MHz	RX: 1930 ~ 1990 MHz
	WCDMA Band 4	TX: 1710 ~ 1755 MHz	RX: 2110 ~ 2155 MHz
	WCDMA Band 5	TX: 824 ~ 849 MHz	RX: 869 ~ 894 MHz
	LTE Band 2	TX: 1850 ~ 1910 MHz	RX: 1930 ~ 1990 MHz
	LTE Band 4	TX: 1710 ~ 1755 MHz	RX: 2110 ~ 2155 MHz
	LTE Band 5	TX: 824 ~ 849 MHz	RX: 869 ~ 894 MHz
	LTE Band 7	TX: 2500 ~ 2570 MHz	RX: 2620 ~ 2690 MHz
	LTE Band 13	TX: 777 ~ 787 MHz	RX: 746 ~ 756 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 38	TX: 2570 ~ 2620 MHz	RX: 2570 ~ 2620 MHz
	LTE Band 41	TX: 2535~ 2655 MHz	RX: 2535~ 2655 MHz
	LTE Band 66	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	
Antenna Type	WWAN: PIFA Antenna		

	WIFI: PIFA Antenna Bluetooth: PIFA 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 8.6.		

3 SUMMARY OF TEST RESULT

3.1 Test Standards

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

3.2 Device Category and SAR Limit

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

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

Table of Exposure Limits:

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

NOTE:

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

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

3.3 Test Result Summary

3.3.1 Highest SAR Values

Equipment Class	Band	Maximum Scaled SAR (W/kg)				Maximum Report SAR (W/kg)			
		Head (0mm)	Body-worn (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	0.84	0.22	0.43	/	0.99	0.52	0.76	1.33
	GSM 1900	0.96	0.27	0.43	/				
	WCDMA Band 2	0.90	0.31	0.58	/				
	WCDMA Band 4	0.92	0.46	0.76	/				
	WCDMA Band 5	0.81	0.19	0.27	/				
	LTE Band 2	0.77	0.35	0.53	/				
	LTE Band 4	0.96	0.22	0.65	/				
	LTE Band 5	0.77	0.27	0.36	/				
	LTE Band 7	0.83	0.34	0.69	/				
	LTE Band 13	0.66	0.16	0.17	/				
	LTE Band 18	0.97	0.12	0.33	/				
	LTE Band 19	0.75	0.12	0.34	/				
	LTE Band 26	0.87	0.24	0.35	/				
	LTE Band 66	0.74	0.19	0.38	/				
	LTE Band 38	0.82	0.26	0.58	/				
	LTE Band 41	0.92	0.23	0.52	/				
DTS	2.4G WIFI	0.99	0.19	0.37	0.91				
NII	5.2 G WIFI	/	/	0.31	/				
	5.3 G WIFI	0.59	0.13	/	0.53				
	5.6 G WIFI	0.76	0.29	/	1.33				
	5.8G WIFI	0.99	0.52	0.62	/				
DSS	Bluetooth	0.37	0.05	0.09	0.25				
Limit (W/kg)		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)
PCE	1.39	0.73	1.13
DTS	1.36	0.55	1.05
NII	1.39	0.73	1.13
DSS	1.39	0.73	1.13
Limit (W/Kg)	1.60		
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 0.99 W/kg, which is lower than 1.5 W/kg, so the extensive SAR measurement uncertainty analysis is not required in this report.

The maximum 10 g SAR for the EUT in this report is 1.33 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:

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

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

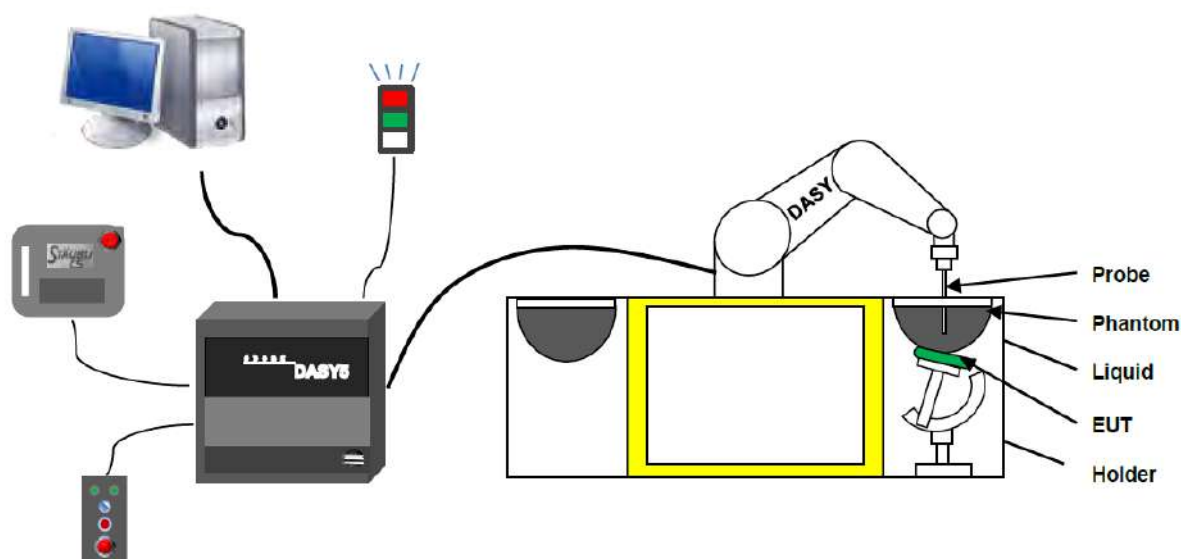
$$\text{SAR} = \frac{\sigma E^2}{\rho}$$

Where: σ is the conductivity of the tissue,

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

4.2 DASY SAR System

4.2.1 DASY SAR System Diagram



The DASY5 system for performing compliance tests consists of the following items:

1. A standard high precision 6-axis robot (Stäubli RX family) with controller and software. An arm extension for accommodating the data acquisition electronics (DAE).
2. A dosimetric probe, i.e. an isotropic E-field probe optimized and calibrated for usage in tissue simulating liquid. The probe is equipped with an optical surface detector system.
3. A data acquisition electronic (DAE) which performs the signal amplification, signal multiplexing, AD-conversion, offset measurements, mechanical surface detection, collision detection, etc. The unit is battery powered with standard or rechargeable batteries. The signal is optically transmitted to the EOC.
4. A unit to operate the optical surface detector which is connected to the EOC.
5. The Electro-Optical Coupler (EOC) performs the conversion from the optical into a digital electric signal of the DAE. The EOC is connected to the DASY5 measurement server.
6. The DASY5 measurement server, which performs all real-time data evaluation for field measurements and surface detection, controls robot movements and handles safety operation.
7. DASY5 software and SEMCAD data evaluation software.
8. Remote control with teach panel and additional circuitry for robot safety such as warning lamps, etc.
9. The generic twin phantom enabling the testing of left-hand and right-hand usage.
10. The device holder for handheld mobile phones.
11. Tissue simulating liquid mixed according to the given recipes.
12. System validation dipoles allowing to validate the proper functioning of the system.

4.2.2 Robot

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



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

4.2.3 E-Field Probe

The probe is specially designed and calibrated for use in liquids with high permittivities for the measurements the Specific Dosimetric E-Field Probe EX3DV4-SN:7510&3748 with following specifications is used.

Construction	Symmetrical design with triangular core Built-in optical fiber for surface detection system Built-in shielding against static charges PEEK enclosure material (resistant to organic solvents, e.g., glycolether)
Calibration	ISO/IEC 17025 calibration service available
Frequency	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 μ W/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

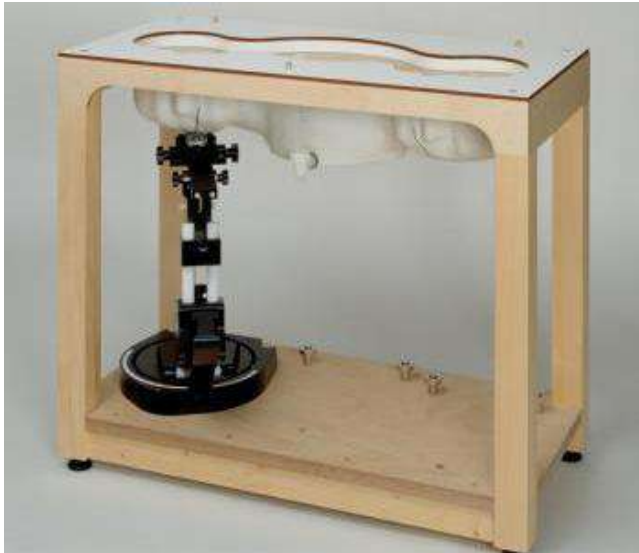
The data acquisition electronics (DAE) consist of a highly sensitive electrometer-grade preamplifier with auto-zeroing, a channel and gain-switching multiplexer, a fast 16 bit AD-converter and a command decoder with a control logic unit. Transmission to the measurement server is accomplished through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



- Input Impedance: 200M Ω m
- The Inputs: Symmetrical and Floating
- Common 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 SN1576



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

4.2.6 Device Holder

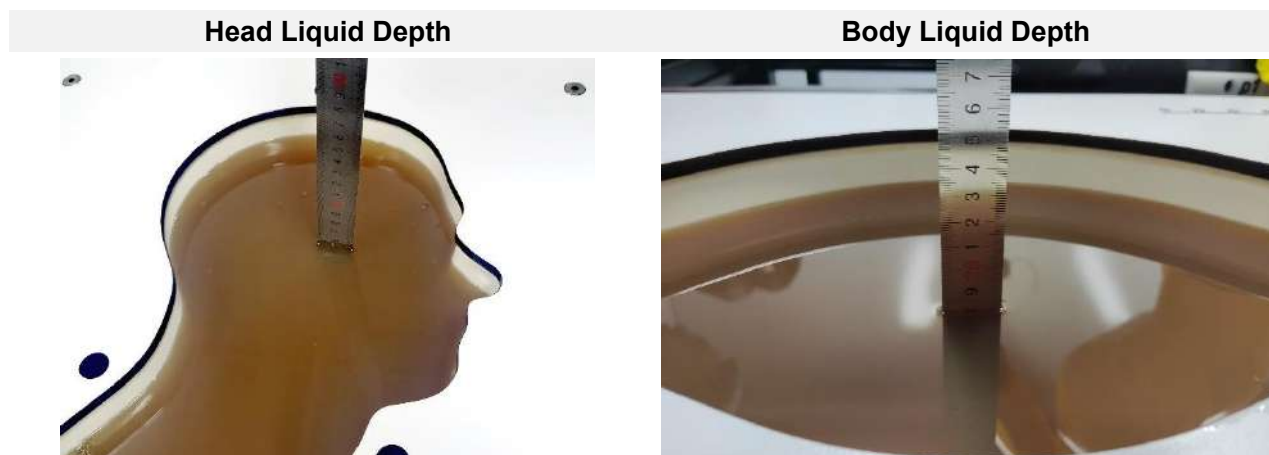
The DASY5 device holder has two scales for device rotation (with respect to the body axis) and the device inclination (with respect to the line between the ear openings). The plane between the ear openings and the mouth tip has a rotation angle of 65° . The bottom plate contains three pair of bolts for 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%.



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	Ethenediol, Sodium petroleum sulfonate, Hexylene Glycol / 2-Methyl-pentane-2.4-diol, Alkoxylated alcohol

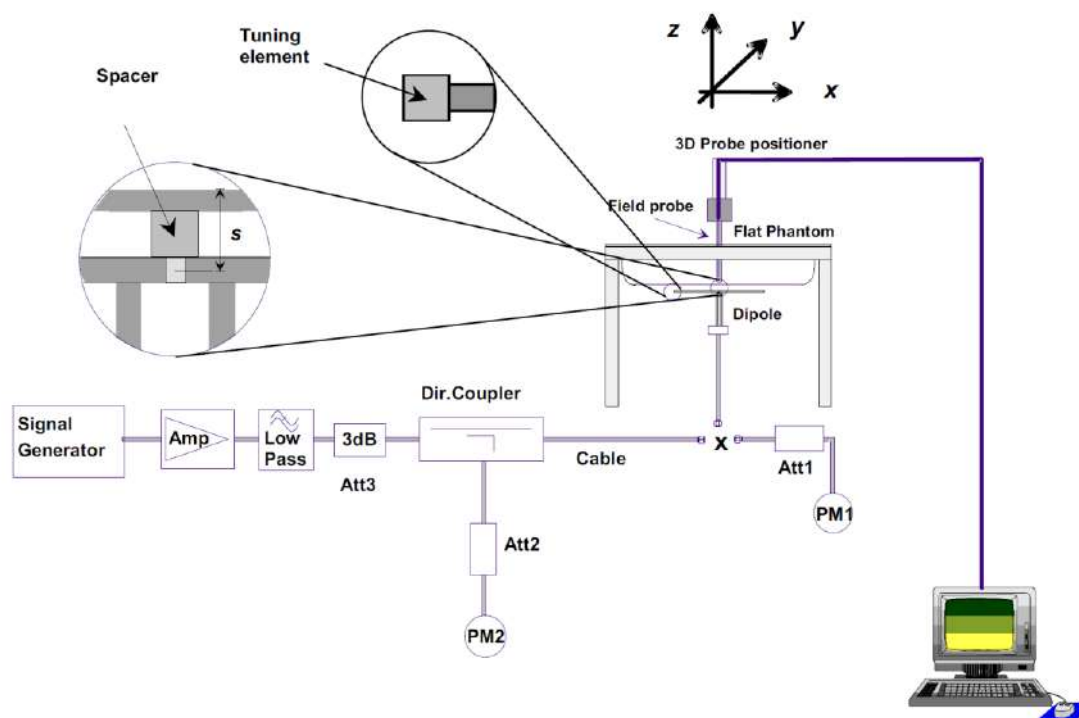
5 SYSTEM VERIFICATION

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

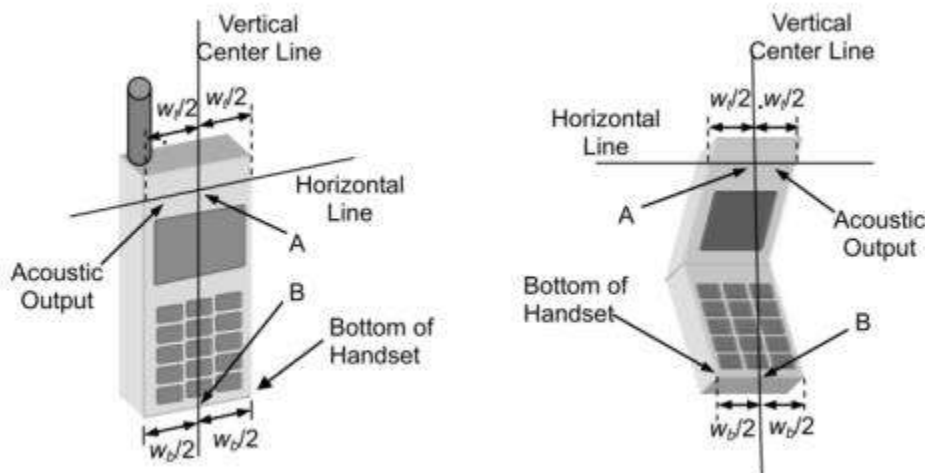
According to KDB 648474 D04 Handset, handsets are tested for SAR compliance in head, body-worn accessory and other use configurations described in the following subsections.

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.

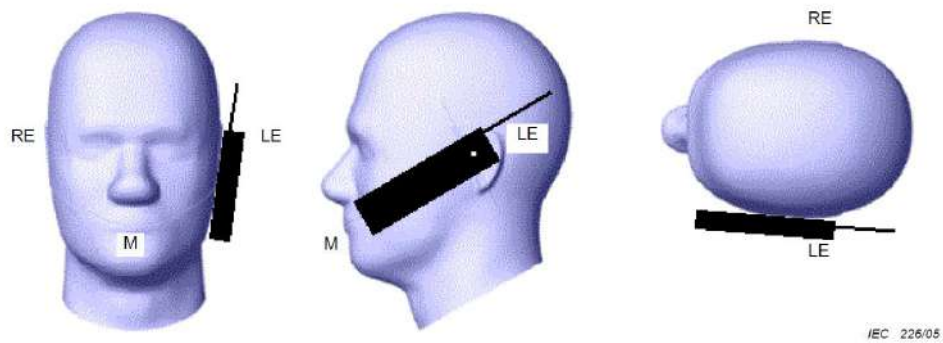
6.1.1 Two Imaginary Lines on the Handset

- 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.
- 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.
- 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

- 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.
- 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.

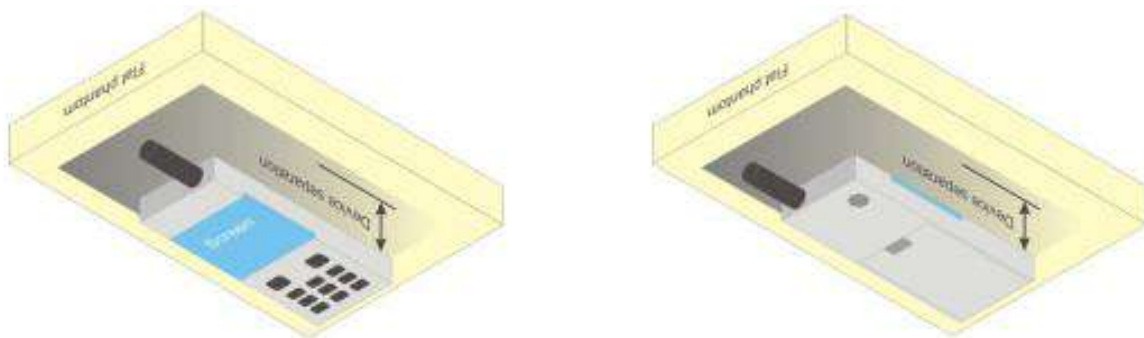


6.2 Body-worn Position Conditions

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.

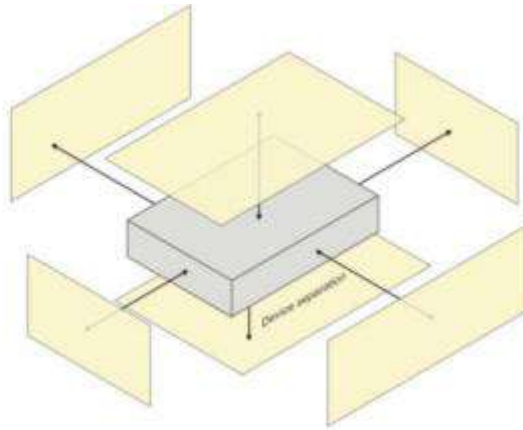
Body-worn accessories that do not contain metallic or conductive components may be tested according to worst-case exposure configurations, typically according to the smallest test separation distance required for the group of body-worn accessories with similar operating and exposure characteristics.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

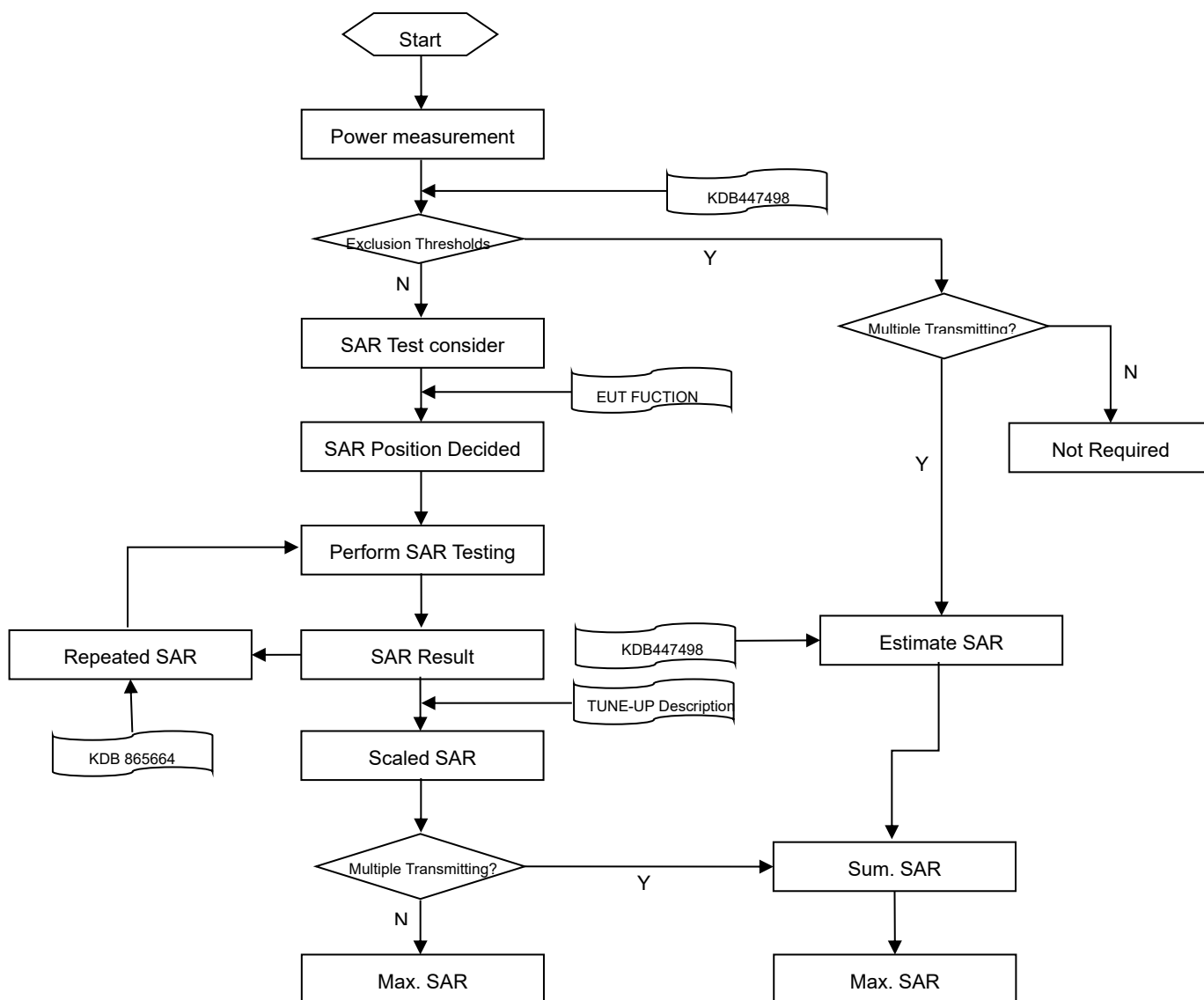
The UMPC mini-tablet procedures must also be applied to test the SAR of all surfaces and edges with an antenna located at ≤ 25 mm from that surface or edge, in direct contact with a flat phantom, for 10-g extremity SAR according to the body-equivalent tissue dielectric parameters in KDB 865664 to address 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.

6

6.

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

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

Note:

1. δ is the penetration depth of a plane-wave at normal incidence to the tissue medium; see draft standard IEEE P1528-2011 for details.
2. * When zoom scan is required and the reported SAR from the area scan based 1 g SAR estimation procedures of KDB 447498 is ≤ 1.4 W/kg, ≤ 8 mm, ≤ 7 mm and ≤ 5 mm zoom scan resolution may be applied, respectively, for 2 GHz to 3GHz, 3 GHz to 4 GHz and 4 GHz to 6 GHz.

7.3 Measurement Procedure

The following steps are used for each test position

- 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
- Measurement of the local E-field value at a fixed location. This value serves as a reference value for calculating a possible power drift.
- Measurement of the SAR distribution with a grid of 8 to 16mm * 8 to 16 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.
- 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.

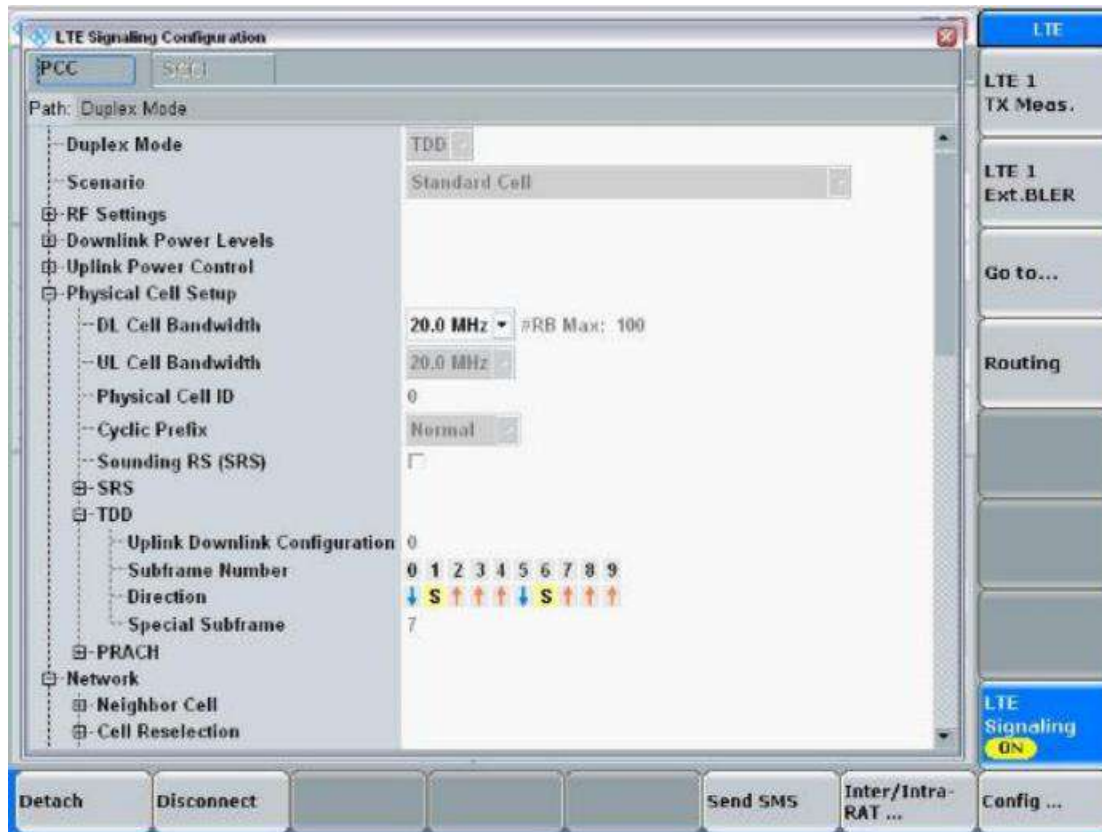
7.4 Area & Zoom Scan Procedure

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.

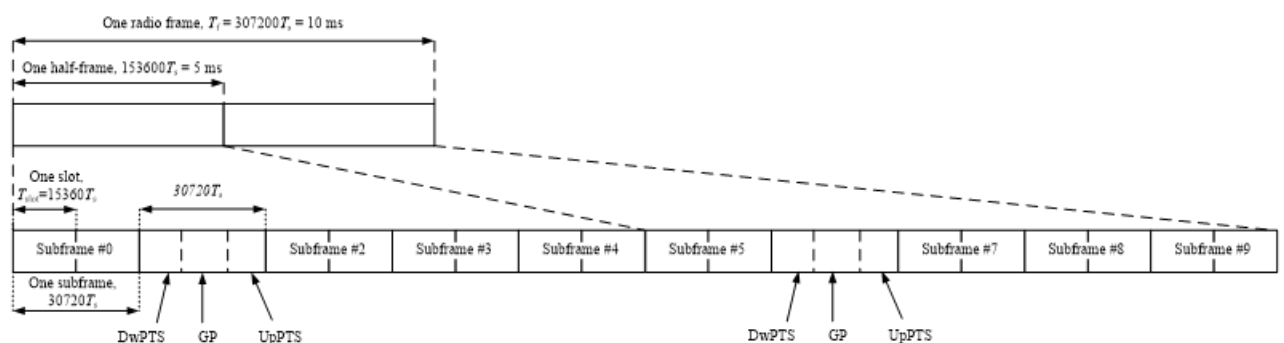
When the 1 g SAR of the highest peak is within 2 dB of the SAR limit, additional zoom scans are required for other peaks within 2 dB of the highest peak that have not been included in any zoom scan to ensure there is no increase in SAR.

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 ($T_f = 307200 \cdot T_s = 10\text{ms}$) of two half-frames of length ($153600 \cdot T_s = 5\text{ms}$). Each half-frame consists of five sub-frames of length ($30720 \cdot T_s = 1\text{ms}$)



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 $30720 \cdot T_s = 1\text{ms}$.

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

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

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

Maximum uplink time of one special sub-frame=(largest cyclic prefix)/(one sub-frame of length)* time of one sub-frame= $5120 \cdot T_s / 30720 \cdot T_s * 1\text{ms} = 0.167\text{ms}$

One radio frame with 6 uplink sub-frames and two special sub-frame,

there for the maximum Uplink time in one radio frame is: **$6 * 1\text{ ms} + 2 * 0.167\text{ ms} = 6.334\text{ms}$**

So, the duty cycle for TDD-LTE is: **$6.334\text{ms} / 10\text{ms} = 1: 1.58$**

8 CONDUCTED RF OUPUT POWER

8.1 GSM

Please refer the document “BL-SZ24C1274-AP Power List.pdf”.

8.2 WCDMA

Please refer the document “BL-SZ24C1274-AP Power List.pdf”.

8.3 LTE

Please refer the document “BL-SZ24C1274-AP Power List.pdf”.

8.4 WIFI

8.4.1 2.4G WIFI-Full power

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
2.4	802.11b	1	2412	18.72	20.00	No
		6	2437	19.06	20.00	No
		11	2462	19.44	20.00	No
	802.11g	1	2412	8.91	9.00	No
		2	2417	18.75	19.00	No
		6	2437	18.99	19.00	No
		10	2457	18.82	19.00	No
		11	2462	9.87	10.00	No
	802.11n(HT20)	1	2412	8.85	9.00	No
		2	2417	17.85	18.00	No
		6	2437	18.00	18.00	No
		10	2457	17.86	18.00	No
		11	2462	8.96	9.00	No
	802.11n(HT40)	3	2422	8.54	9.00	No
		4	2427	11.30	12.00	No
		5	2432	12.26	13.00	No
		6	2437	13.02	14.00	No
		7	2442	12.25	13.00	No
		8	2447	12.23	13.00	No
		9	2452	7.70	8.00	No
	VHT20	1	2412	9.12	11.00	No
		2	2417	15.86	17.00	No
		6	2437	15.93	17.00	No
		10	2457	15.91	17.00	No
		11	2462	9.38	11.00	No
	VHT40	3	2422	9.03	11.00	No
		4	2427	10.71	12.00	No
		5	2432	11.65	13.00	No
		6	2437	14.68	16.00	No
		8	2447	14.52	16.00	No
		9	2452	8.01	10.00	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.

8.4.2 2.4G WIFI-Level1

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
2.4	802.11b	1	2412	16.66	18.00	Yes
		6	2437	16.99	18.00	Yes
		11	2462	17.69	18.00	Yes
	802.11g	1	2412	8.91	9.00	No
		2	2417	17.65	18.00	No
		6	2437	17.95	18.00	No
		10	2457	17.71	18.00	No
		11	2462	9.87	10.00	No
	802.11n(HT20)	1	2412	8.85	9.00	No
		2	2417	17.85	18.00	No
		6	2437	18.00	18.00	No
		10	2457	17.86	18.00	No
		11	2462	8.96	9.00	No
	802.11n(HT40)	3	2422	8.54	9.00	No
		4	2427	11.30	12.00	No
		5	2432	12.26	13.00	No
		6	2437	13.02	14.00	No
		7	2442	12.25	13.00	No
		8	2447	12.23	13.00	No
		9	2452	7.70	8.00	No
	VHT20	1	2412	9.12	11.00	No
		2	2417	15.86	17.00	No
		6	2437	15.93	17.00	No
		10	2457	15.91	17.00	No
		11	2462	9.38	11.00	No
	VHT40	3	2422	9.03	11.00	No
		4	2427	10.71	12.00	No
		5	2432	11.65	13.00	No
		6	2437	14.68	16.00	No
		8	2447	14.52	16.00	No
		9	2452	8.01	10.00	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 = $0.993 * (63.10\text{mW}/63.10\text{mW}) = 0.993$ W/Kg, so 2.4G OFDM SAR test is not required.

8.4.3 2.4G WIFI-Level2

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
2.4	802.11b	1	2412	15.77	17.00	No
		6	2437	16.03	17.00	No
		11	2462	16.46	17.00	Yes
	802.11g	1	2412	8.91	9.00	No
		2	2417	16.73	17.00	No
		6	2437	16.93	17.00	No
		10	2457	16.80	17.00	No
		11	2462	9.87	10.00	No
	802.11n(HT20)	1	2412	8.85	9.00	No
		2	2417	16.91	17.00	No
		6	2437	16.98	17.00	No
		10	2457	16.85	17.00	No
		11	2462	8.96	9.00	No
	802.11n(HT40)	3	2422	8.54	9.00	No
		4	2427	11.30	12.00	No
		5	2432	12.26	13.00	No
		6	2437	13.02	14.00	No
		7	2442	12.25	13.00	No
		8	2447	12.23	13.00	No
		9	2452	7.70	8.00	No
	VHT20	1	2412	9.12	11.00	No
		2	2417	15.86	17.00	No
		6	2437	15.93	17.00	No
		10	2457	15.91	17.00	No
		11	2462	9.38	11.00	No
	VHT40	3	2422	9.03	11.00	No
		4	2427	10.71	12.00	No
		5	2432	11.65	13.00	No
		6	2437	14.68	16.00	No
		8	2447	14.52	16.00	No
		9	2452	8.01	10.00	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 = $0.796 * (50.12\text{mW}/50.12\text{mW}) = 0.796$ W/Kg, so 2.4G OFDM SAR test is not required.

8.4.4 2.4G WIFI-Level3

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
2.4	802.11b	1	2412	18.72	20.00	No
		6	2437	19.06	20.00	No
		11	2462	19.44	20.00	Yes
	802.11g	1	2412	8.91	9.00	No
		2	2417	18.75	19.00	No
		6	2437	18.99	19.00	No
		10	2457	18.82	19.00	No
		11	2462	9.87	10.00	No
	802.11n(HT20)	1	2412	8.85	9.00	No
		2	2417	17.85	18.00	No
		6	2437	18.00	18.00	No
		10	2457	17.86	18.00	No
		11	2462	8.96	9.00	No
	802.11n(HT40)	3	2422	8.54	9.00	No
		4	2427	11.30	12.00	No
		5	2432	12.26	13.00	No
		6	2437	13.02	14.00	No
		7	2442	12.25	13.00	No
		8	2447	12.23	13.00	No
		9	2452	7.70	8.00	No
	VHT20	1	2412	9.12	11.00	No
		2	2417	15.86	17.00	No
		6	2437	15.93	17.00	No
		10	2457	15.91	17.00	No
		11	2462	9.38	11.00	No
	VHT40	3	2422	9.03	11.00	No
		4	2427	10.71	12.00	No
		5	2432	11.65	13.00	No
		6	2437	14.68	16.00	No
		8	2447	14.52	16.00	No
		9	2452	8.01	10.00	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 = $0.185 * (79.43\text{mW}/100\text{mW}) = 0.147$ W/Kg, so 2.4G OFDM SAR test is not required.

8.4.5 2.4G WIFI-Level4

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
2.4	802.11b	1	2412	18.72	20.00	No
		6	2437	19.06	20.00	No
		11	2462	19.44	20.00	Yes
	802.11g	1	2412	8.91	9.00	No
		2	2417	18.75	19.00	No
		6	2437	18.99	19.00	No
		10	2457	18.82	19.00	No
		11	2462	9.87	10.00	No
	802.11n(HT20)	1	2412	8.85	9.00	No
		2	2417	17.85	18.00	No
		6	2437	18.00	18.00	No
		10	2457	17.86	18.00	No
		11	2462	8.96	9.00	No
	802.11n(HT40)	3	2422	8.54	9.00	No
		4	2427	11.30	12.00	No
		5	2432	12.26	13.00	No
		6	2437	13.02	14.00	No
		7	2442	12.25	13.00	No
		8	2447	12.23	13.00	No
		9	2452	7.70	8.00	No
	VHT20	1	2412	9.12	11.00	No
		2	2417	15.86	17.00	No
		6	2437	15.93	17.00	No
		10	2457	15.91	17.00	No
		11	2462	9.38	11.00	No
	VHT40	3	2422	9.03	11.00	No
		4	2427	10.71	12.00	No
		5	2432	11.65	13.00	No
		6	2437	14.68	16.00	No
		8	2447	14.52	16.00	No
		9	2452	8.01	10.00	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 = $0.372 * (79.43\text{mW}/100\text{mW}) = 0.295$ W/Kg, so 2.4G OFDM SAR test is not required.

8.4.6 5G WIFI-Full power

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
5.2	802.11a	36	5180	15.63	17.00	No
		40	5200	18.03	20.00	No
		44	5220	18.01	20.00	No
		48	5240	18.61	20.00	No
	802.11n(HT20)	36	5180	15.30	16.00	No
		40	5200	17.75	19.00	No
		44	5220	17.80	19.00	No
		48	5240	18.05	19.00	No
	802.11n(HT40)	38	5190	14.62	16.00	No
		46	5230	16.80	18.00	No
	802.11ac(VHT20)	36	5180	14.57	16.00	No
		44	5220	16.42	18.00	No
		48	5240	16.77	18.00	No
	802.11ac(VHT40)	38	5190	14.60	16.00	No
		46	5230	15.80	17.50	No
	802.11ac(VHT80)	42	5210	14.12	15.00	No
5.3	802.11a	52	5260	18.49	20.00	No
		60	5300	18.51	20.00	No
		64	5320	15.28	17.00	No
	802.11n(HT20)	52	5260	17.41	19.00	No
		60	5300	17.24	19.00	No
		64	5320	14.34	16.00	No
	802.11n(HT40)	54	5270	16.57	18.00	No
		62	5310	14.46	16.00	No
	802.11ac(VHT20)	52	5260	16.71	18.00	No
		60	5300	16.50	18.00	No
		64	5320	14.44	16.00	No
	802.11ac(VHT40)	54	5270	15.52	17.50	No
		62	5310	14.40	16.00	No
	802.11ac(VHT80)	58	5290	13.96	15.00	No
5.6	802.11a	100	5500	11.06	12.00	No
		104	5520	19.52	20.00	No
		116	5580	19.66	20.00	No
		136	5680	19.51	20.00	No
		140	5700	11.92	12.00	No
	802.11n(HT20)	100	5500	11.00	12.00	No

		104	5520	18.75	19.00	No
		116	5580	18.96	19.00	No
		136	5680	18.82	19.00	No
		140	5700	12.00	12.00	No
	802.11n(HT40)	102	5510	11.05	12.00	No
		110	5550	17.71	18.00	No
		118	5590	17.76	18.00	No
		126	5630	17.69	18.00	No
		134	5670	11.85	12.00	No
	802.11ac(VHT20)	100	5500	11.10	12.00	No
		104	5520	17.65	18.00	No
		116	5580	17.95	18.00	No
		136	5680	17.82	18.00	No
		140	5700	11.86	12.00	No
	802.11ac(VHT40)	102	5510	11.00	12.00	No
		110	5550	16.45	17.50	No
		118	5590	16.54	17.50	No
		126	5630	16.43	17.50	No
		134	5670	11.78	12.00	No
	802.11ac(VHT80)	106	5530	11.78	12.00	No
		122	5610	15.00	15.00	No
5.8	802.11a	149	5745	19.59	20.00	No
		157	5785	19.33	20.00	No
		165	5825	19.15	20.00	No
	802.11n(HT20)	149	5745	18.83	19.00	No
		157	5785	18.66	19.00	No
		165	5825	18.50	19.00	No
	802.11n(HT40)	151	5755	18.00	18.00	No
		159	5795	17.84	18.00	No
	802.11ac(VHT20)	149	5745	17.79	18.00	No
		157	5785	17.76	18.00	No
		165	5825	17.83	18.00	No
	802.11ac(VHT40)	151	5755	17.20	17.50	No
		159	5795	16.98	17.50	No
	802.11ac(VHT80)	155	5775	17.00	17.00	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.

8.4.7 5G WIFI-Level1

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
5.2	802.11a	36	5180	15.63	17.00	No
		40	5200	17.13	19.00	No
		44	5220	17.10	19.00	No
		48	5240	17.51	19.00	No
	802.11n(HT20)	36	5180	15.30	16.00	No
		40	5200	17.75	19.00	No
		44	5220	17.80	19.00	No
		48	5240	18.05	19.00	No
	802.11n(HT40)	38	5190	14.62	16.00	No
		46	5230	16.80	18.00	No
	802.11ac(VHT20)	36	5180	14.57	16.00	No
		44	5220	16.42	18.00	No
		48	5240	16.77	18.00	No
	802.11ac(VHT40)	38	5190	14.60	16.00	No
		46	5230	15.80	17.50	No
	802.11ac(VHT80)	42	5210	14.12	15.00	No
5.3	802.11a	52	5260	18.49	20.00	No
		60	5300	18.51	20.00	Yes
		64	5320	15.28	17.00	No
	802.11n(HT20)	52	5260	17.41	19.00	No
		60	5300	17.24	19.00	No
		64	5320	14.34	16.00	No
	802.11n(HT40)	54	5270	16.57	18.00	No
		62	5310	14.46	16.00	No
	802.11ac(VHT20)	52	5260	16.71	18.00	No
		60	5300	16.50	18.00	No
		64	5320	14.44	16.00	No
	802.11ac(VHT40)	54	5270	15.52	17.50	No
		62	5310	14.40	16.00	No
	802.11ac(VHT80)	58	5290	13.96	15.00	No
5.6	802.11a	100	5500	11.06	12.00	No
		104	5520	18.46	19.00	No
		116	5580	18.60	19.00	Yes
		136	5680	18.51	19.00	No
		140	5700	11.92	12.00	No
	802.11n(HT20)	100	5500	11.00	12.00	No

		104	5520	18.75	19.00	No
		116	5580	18.96	19.00	No
		136	5680	18.82	19.00	No
		140	5700	12.00	12.00	No
	802.11n(HT40)	102	5510	11.05	12.00	No
		110	5550	17.71	18.00	No
		118	5590	17.76	18.00	No
		126	5630	17.69	18.00	No
		134	5670	11.85	12.00	No
	802.11ac(VHT20)	100	5500	11.10	12.00	No
		104	5520	17.65	18.00	No
		116	5580	17.95	18.00	No
		136	5680	17.82	18.00	No
		140	5700	11.86	12.00	No
	802.11ac(VHT40)	102	5510	11.00	12.00	No
		110	5550	16.45	17.50	No
		118	5590	16.54	17.50	No
		126	5630	16.43	17.50	No
		134	5670	11.78	12.00	No
	802.11ac(VHT80)	106	5530	11.78	12.00	No
		122	5610	15.00	15.00	No
5.8	802.11a	149	5745	19.59	20.00	Yes
		157	5785	19.33	20.00	Yes
		165	5825	19.15	20.00	Yes
	802.11n(HT20)	149	5745	18.83	19.00	No
		157	5785	18.66	19.00	No
		165	5825	18.50	19.00	No
	802.11n(HT40)	151	5755	18.00	18.00	No
		159	5795	17.84	18.00	No
	802.11ac(VHT20)	149	5745	17.79	18.00	No
		157	5785	17.76	18.00	No
		165	5825	17.83	18.00	No
	802.11ac(VHT40)	151	5755	17.20	17.50	No
		159	5795	16.98	17.50	No
	802.11ac(VHT80)	155	5775	17.00	17.00	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.						

8.4.8 5G WIFI-Level2

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
5.2	802.11a	36	5180	15.63	17.00	No
		40	5200	16.08	18.00	No
		44	5220	16.07	18.00	No
		48	5240	16.57	18.00	No
	802.11n(HT20)	36	5180	15.30	16.00	No
		40	5200	16.74	18.00	No
		44	5220	16.80	18.00	No
		48	5240	17.09	18.00	No
	802.11n(HT40)	38	5190	14.62	16.00	No
		46	5230	16.80	18.00	No
	802.11ac(VHT20)	36	5180	14.57	16.00	No
		44	5220	16.42	18.00	No
		48	5240	16.77	18.00	No
	802.11ac(VHT40)	38	5190	14.60	16.00	No
		46	5230	15.80	17.50	No
	802.11ac(VHT80)	42	5210	14.12	15.00	No
5.3	802.11a	52	5260	18.49	20.00	No
		60	5300	18.51	20.00	Yes
		64	5320	15.28	17.00	No
	802.11n(HT20)	52	5260	17.41	19.00	No
		60	5300	17.24	19.00	No
		64	5320	14.34	16.00	No
	802.11n(HT40)	54	5270	16.57	18.00	No
		62	5310	14.46	16.00	No
	802.11ac(VHT20)	52	5260	16.71	18.00	No
		60	5300	16.50	18.00	No
		64	5320	14.44	16.00	No
	802.11ac(VHT40)	54	5270	15.52	17.50	No
		62	5310	14.40	16.00	No
	802.11ac(VHT80)	58	5290	13.96	15.00	No
5.6	802.11a	100	5500	11.06	12.00	No
		104	5520	17.41	18.00	No
		116	5580	17.56	18.00	Yes
		136	5680	17.49	18.00	No
		140	5700	11.92	12.00	No
	802.11n(HT20)	100	5500	11.00	12.00	No

		104	5520	17.65	18.00	No
		116	5580	17.98	18.00	No
		136	5680	17.85	18.00	No
		140	5700	12.00	12.00	No
	802.11n(HT40)	102	5510	11.05	12.00	No
		110	5550	17.71	18.00	No
		118	5590	17.76	18.00	No
		126	5630	17.69	18.00	No
		134	5670	11.85	12.00	No
	802.11ac(VHT20)	100	5500	11.10	12.00	No
		104	5520	17.65	18.00	No
		116	5580	17.95	18.00	No
		136	5680	17.82	18.00	No
		140	5700	11.86	12.00	No
	802.11ac(VHT40)	102	5510	11.00	12.00	No
		110	5550	16.45	17.50	No
		118	5590	16.54	17.50	No
		126	5630	16.43	17.50	No
		134	5670	11.78	12.00	No
	802.11ac(VHT80)	106	5530	11.78	12.00	No
		122	5610	15.00	15.00	No
5.8	802.11a	149	5745	18.43	19.00	Yes
		157	5785	18.32	19.00	No
		165	5825	18.20	19.00	No
	802.11n(HT20)	149	5745	18.83	19.00	No
		157	5785	18.66	19.00	No
		165	5825	18.50	19.00	No
	802.11n(HT40)	151	5755	18.00	18.00	No
		159	5795	17.84	18.00	No
	802.11ac(VHT20)	149	5745	17.79	18.00	No
		157	5785	17.76	18.00	No
		165	5825	17.83	18.00	No
	802.11ac(VHT40)	151	5755	17.20	17.50	No
		159	5795	16.98	17.50	No
	802.11ac(VHT80)	155	5775	17.00	17.00	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.						

8.4.9 5G WIFI-Level3

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
5.2	802.11a	36	5180	15.63	17.00	No
		40	5200	18.03	20.00	No
		44	5220	18.01	20.00	No
		48	5240	18.61	20.00	Yes
	802.11n(HT20)	36	5180	15.30	16.00	No
		40	5200	17.75	19.00	No
		44	5220	17.80	19.00	No
		48	5240	18.05	19.00	No
	802.11n(HT40)	38	5190	14.62	16.00	No
		46	5230	16.80	18.00	No
	802.11ac(VHT20)	36	5180	14.57	16.00	No
		44	5220	16.42	18.00	No
		48	5240	16.77	18.00	No
	802.11ac(VHT40)	38	5190	14.60	16.00	No
		46	5230	15.80	17.50	No
	802.11ac(VHT80)	42	5210	14.12	15.00	No
5.3	802.11a	52	5260	18.49	20.00	No
		60	5300	18.51	20.00	Yes
		64	5320	15.28	17.00	No
	802.11n(HT20)	52	5260	17.41	19.00	No
		60	5300	17.24	19.00	No
		64	5320	14.34	16.00	No
	802.11n(HT40)	54	5270	16.57	18.00	No
		62	5310	14.46	16.00	No
	802.11ac(VHT20)	52	5260	16.71	18.00	No
		60	5300	16.50	18.00	No
		64	5320	14.44	16.00	No
	802.11ac(VHT40)	54	5270	15.52	17.50	No
		62	5310	14.40	16.00	No
	802.11ac(VHT80)	58	5290	13.96	15.00	No
5.6	802.11a	100	5500	11.06	12.00	No
		104	5520	19.52	20.00	No
		116	5580	19.66	20.00	Yes
		136	5680	19.51	20.00	No
		140	5700	11.92	12.00	No
	802.11n(HT20)	100	5500	11.00	12.00	No

		104	5520	18.75	19.00	No
		116	5580	18.96	19.00	No
		136	5680	18.82	19.00	No
		140	5700	12.00	12.00	No
	802.11n(HT40)	102	5510	11.05	12.00	No
		110	5550	17.71	18.00	No
		118	5590	17.76	18.00	No
		126	5630	17.69	18.00	No
		134	5670	11.85	12.00	No
	802.11ac(VHT20)	100	5500	11.10	12.00	No
		104	5520	17.65	18.00	No
		116	5580	17.95	18.00	No
		136	5680	17.82	18.00	No
		140	5700	11.86	12.00	No
	802.11ac(VHT40)	102	5510	11.00	12.00	No
		110	5550	16.45	17.50	No
		118	5590	16.54	17.50	No
		126	5630	16.43	17.50	No
		134	5670	11.78	12.00	No
	802.11ac(VHT80)	106	5530	11.78	12.00	No
		122	5610	15.00	15.00	No
5.8	802.11a	149	5745	16.43	17.00	No
		157	5785	16.47	17.00	No
		165	5825	16.06	17.00	No
	802.11n(HT20)	149	5745	16.77	17.00	No
		157	5785	16.74	17.00	No
		165	5825	16.62	17.00	No
	802.11n(HT40)	151	5755	16.85	17.00	No
		159	5795	16.82	17.00	No
	802.11ac(VHT20)	149	5745	16.90	17.00	No
		157	5785	16.74	17.00	No
		165	5825	16.94	17.00	No
	802.11ac(VHT40)	151	5755	16.72	17.00	No
		159	5795	16.39	17.00	No
	802.11ac(VHT80)	155	5775	17.00	17.00	Yes
Note: When the same maximum output power is specified for both bands, begin SAR measurement in U-NII-2A band by applying the OFDM SAR requirements. If the highest reported SAR for a test configuration is ≤ 1.2 W/kg, SAR is not required for U-NII-1 band for that configuration (802.11 mode and exposure condition); otherwise, each band is tested independently for SAR.						

8.4.10 5G WIFI-Level4

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
5.2	802.11a	36	5180	15.63	17.00	No
		40	5200	18.03	20.00	No
		44	5220	18.01	20.00	No
		48	5240	18.61	20.00	Yes
	802.11n(HT20)	36	5180	15.30	16.00	No
		40	5200	17.75	19.00	No
		44	5220	17.80	19.00	No
		48	5240	18.05	19.00	No
	802.11n(HT40)	38	5190	14.62	16.00	No
		46	5230	16.80	18.00	No
	802.11ac(VHT20)	36	5180	14.57	16.00	No
		44	5220	16.42	18.00	No
		48	5240	16.77	18.00	No
	802.11ac(VHT40)	38	5190	14.60	16.00	No
		46	5230	15.80	17.50	No
	802.11ac(VHT80)	42	5210	14.12	15.00	No
5.3	802.11a	52	5260	18.49	20.00	No
		60	5300	18.51	20.00	Yes
		64	5320	15.28	17.00	No
	802.11n(HT20)	52	5260	17.41	19.00	No
		60	5300	17.24	19.00	No
		64	5320	14.34	16.00	No
	802.11n(HT40)	54	5270	16.57	18.00	No
		62	5310	14.46	16.00	No
	802.11ac(VHT20)	52	5260	16.71	18.00	No
		60	5300	16.50	18.00	No
		64	5320	14.44	16.00	No
	802.11ac(VHT40)	54	5270	15.52	17.50	No
		62	5310	14.40	16.00	No
	802.11ac(VHT80)	58	5290	13.96	15.00	No
5.6	802.11a	100	5500	11.06	12.00	No
		104	5520	18.59	19.00	No
		116	5580	18.81	19.00	Yes
		136	5680	18.48	19.00	No
		140	5700	11.92	12.00	No
	802.11n(HT20)	100	5500	11.00	12.00	No

		104	5520	18.75	19.00	No
		116	5580	18.96	19.00	No
		136	5680	18.82	19.00	No
		140	5700	12.00	12.00	No
	802.11n(HT40)	102	5510	11.05	12.00	No
		110	5550	17.71	18.00	No
		118	5590	17.76	18.00	No
		126	5630	17.69	18.00	No
		134	5670	11.85	12.00	No
	802.11ac(VHT20)	100	5500	11.10	12.00	No
		104	5520	17.65	18.00	No
		116	5580	17.95	18.00	No
		136	5680	17.82	18.00	No
		140	5700	11.86	12.00	No
	802.11ac(VHT40)	102	5510	11.00	12.00	No
		110	5550	16.45	17.50	No
		118	5590	16.54	17.50	No
		126	5630	16.43	17.50	No
		134	5670	11.78	12.00	No
	802.11ac(VHT80)	106	5530	11.78	12.00	No
		122	5610	15.00	15.00	No
5.8	802.11a	149	5745	14.33	15.00	No
		157	5785	14.39	15.00	No
		165	5825	13.98	15.00	No
	802.11n(HT20)	149	5745	14.73	15.00	No
		157	5785	14.63	15.00	No
		165	5825	14.58	15.00	No
	802.11n(HT40)	151	5755	14.75	15.00	No
		159	5795	14.77	15.00	No
	802.11ac(VHT20)	149	5745	14.85	15.00	No
		157	5785	14.71	15.00	No
		165	5825	14.94	15.00	No
	802.11ac(VHT40)	151	5755	14.64	15.00	No
		159	5795	14.32	15.00	No
	802.11ac(VHT80)	155	5775	14.96	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.						

8.5 Bluetooth

Mode	GFSK			$\pi/4$ -DQPSK		
Channel	0	39	78	0	39	78
Frequency (MHz)	2402	2441	2480	2402	2441	2480
Conducted Power (dBm)	8.32	8.34	7.84	7.22	7.22	7.41
Tune-Up Limit (dBm)	9.00	9.00	9.00	9.00	9.00	9.00
SAR Test Require	YES	YES	YES	NO	NO	NO
Mode	8-DPSK			/		
Channel	0	39	78	/	/	/
Frequency (MHz)	2402	2441	2480	/	/	/
Conducted Power (dBm)	7.25	7.25	7.40	/	/	/
Tune-Up Limit (dBm)	9.00	9.00	9.00	/	/	/
SAR Test Require	NO	NO	NO	/	/	/
Mode	BLE-1Mbps			BLE-2Mbps		
Channel	0	19	39	1	19	38
Frequency (MHz)	2402	2440	2480	2404	2440	2478
Conducted Power (dBm)	7.38	6.98	6.99	7.32	6.85	6.83
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 $\leq \frac{1}{4}$ dB higher than the primary mode.

Note: The Bluetooth duty cycle is 77.47 % as following figure, according to 2016 Oct. TCB workshop for Bluetooth SAR scaling need further consideration and the maximum duty cycle is 100%, therefore the actual duty cycle will be scaled up to 100% for Bluetooth reported SAR calculation.

Duty Cycle



8.6 Power Reduction List

1. This mobile phone device supports the receiver detection mechanism .This device uses the receiver to indicate whether the user is making a call in head.
2. When device is making call in head, and the receiver will work, the power reduction will applied for SAR compliance.
3. When there is a voice call (including VOIP), the audio is actively routed through the headset or speaker, and the receiver will not work, which indicating the body 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	Antenna	Position
		conditions		
DSI5	On (head scenario)	WWAN Use Only	Ant.13	Head
			Ant.31	
DSI7	On (head scenario)	WWAN + WLAN	Ant.13	Head
			Ant.31	
DSI6	Off (Body scenario)	WWAN Use Only	Ant.13	Front Side;Back Side;Left Edge;Right Edge;Top Edge;Bottom Edge
			Ant.31	
DSI8	Off (Body scenario)	WWAN + WLAN	Ant.13	Front Side;Back Side;Left Edge;Right Edge;Top Edge;Bottom Edge
			Ant.31	

Mode	Antenna	WWAN Antenna							
		Full Power	Receiver on		Receiver off				
			Head		Body-Worn		Hotspot	Specific	
			Standalone	Simultaneous transmission	Standalone	Simultaneous transmission	Simultaneous transmission	Standalone	Simultaneous transmission
		Off	DSI5	DSI7	DSI6	DSI8	DSI8	DSI6	DSI8
GSM 850	Ant.13	34.00	32.00	30.00	34.00	34.00	34.00	34.00	34.00
GPRS850 1 Tx Slot	Ant.13	34.00	32.00	30.00	34.00	34.00	34.00	34.00	34.00
GPRS850 2 Tx Slot	Ant.13	32.00	30.00	28.00	32.00	32.00	32.00	32.00	32.00
GPRS850 3 Tx Slot	Ant.13	30.00	28.00	26.00	30.00	30.00	30.00	30.00	30.00
GPRS850 4 Tx Slot	Ant.13	28.00	26.00	24.00	28.00	28.00	28.00	28.00	28.00
EGPRS850 1 Tx Slot	Ant.13	25.50	25.50	25.50	25.50	25.50	25.50	25.50	25.50
EGPRS850 2 Tx Slot	Ant.13	23.50	23.50	23.50	23.50	23.50	23.50	23.50	23.50
EGPRS850 3 Tx Slot	Ant.13	22.00	22.00	22.00	22.00	22.00	22.00	22.00	22.00
EGPRS850 4 Tx Slot	Ant.13	20.50	20.50	20.50	20.50	20.50	20.50	20.50	20.50
GSM 850	Ant.31	34.00	34.00	34.00	34.00	33.00	33.00	34.00	33.00
GPRS850 1 Tx Slot	Ant.31	34.00	34.00	34.00	34.00	33.00	33.00	34.00	33.00
GPRS850 2 Tx Slot	Ant.31	32.00	32.00	32.00	32.00	31.00	31.00	32.00	31.00
GPRS850 3 Tx Slot	Ant.31	30.00	30.00	30.00	30.00	29.00	29.00	30.00	29.00

GPRS850 4 Tx Slot	Ant.31	28.00	28.00	28.00	28.00	27.00	27.00	28.00	27.00
EGPRS850 1 Tx Slot	Ant.31	25.50	25.50	25.50	25.50	25.50	25.50	25.50	25.50
EGPRS850 2 Tx Slot	Ant.31	23.50	23.50	23.50	23.50	23.50	23.50	23.50	23.50
EGPRS850 3 Tx Slot	Ant.31	22.00	22.00	22.00	22.00	22.00	22.00	22.00	22.00
EGPRS850 4 Tx Slot	Ant.31	20.50	20.50	20.50	20.50	20.50	20.50	20.50	20.50
GSM1900	Ant.13	30.50	26.50	25.50	28.50	26.50	26.50	28.50	26.50
GPRS1900 1 Tx Slot	Ant.13	30.50	26.50	25.50	28.50	26.50	26.50	28.50	26.50
GPRS1900 2 Tx Slot	Ant.13	28.50	24.50	23.50	26.50	24.50	24.50	26.50	24.50
GPRS1900 3 Tx Slot	Ant.13	26.50	22.50	21.50	24.50	22.50	22.50	24.50	22.50
GPRS1900 4 Tx Slot	Ant.13	24.50	20.50	19.50	22.50	20.50	20.50	22.50	20.50
EGPRS1900 1 Tx Slot	Ant.13	27.00	26.00	25.00	27.00	26.00	26.00	27.00	26.00
EGPRS1900 2 Tx Slot	Ant.13	25.00	24.00	23.00	25.00	24.00	24.00	25.00	24.00
EGPRS1900 3 Tx Slot	Ant.13	22.50	21.50	20.50	22.50	21.50	21.50	22.50	21.50
EGPRS1900 4 Tx Slot	Ant.13	21.00	20.00	19.00	21.00	20.00	20.00	21.00	20.00
GSM1900	Ant.31	30.50	30.50	30.50	30.50	28.50	28.50	30.50	28.50
GPRS1900 1 Tx Slot	Ant.31	30.50	30.50	30.50	30.50	28.50	28.50	30.50	28.50
GPRS1900 2 Tx Slot	Ant.31	28.50	28.50	28.50	28.50	26.50	26.50	28.50	26.50
GPRS1900 3 Tx Slot	Ant.31	26.50	26.50	26.50	26.50	24.50	24.50	26.50	24.50
GPRS1900 4 Tx Slot	Ant.31	24.50	24.50	24.50	24.50	22.50	22.50	24.50	22.50
EGPRS1900 1 Tx Slot	Ant.31	27.00	27.00	27.00	27.00	27.00	27.00	27.00	27.00
EGPRS1900 2 Tx Slot	Ant.31	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00
EGPRS1900 3 Tx Slot	Ant.31	22.50	22.50	22.50	22.50	22.50	22.50	22.50	22.50
EGPRS1900 4 Tx Slot	Ant.31	21.00	21.00	21.00	21.00	21.00	21.00	21.00	21.00
WCDMA Band2 RMC	Ant.13	25.00	17.50	16.50	20.50	18.50	18.50	20.50	18.50
WCDMA Band2 AMR	Ant.13	25.00	17.50	16.50	20.50	18.50	18.50	20.50	18.50
HSDPA Subtest-1	Ant.13	24.00	16.50	15.50	19.50	17.50	17.50	19.50	17.50
HSDPA Subtest-2	Ant.13	23.50	16.00	15.00	19.00	17.00	17.00	19.00	17.00
HSDPA Subtest-3	Ant.13	23.00	15.50	14.50	18.50	16.50	16.50	18.50	16.50
HSDPA Subtest-4	Ant.13	23.00	15.50	14.50	18.50	16.50	16.50	18.50	16.50
DC-HSDPA Subtest-1	Ant.13	24.00	16.50	15.50	19.50	17.50	17.50	19.50	17.50
DC-HSDPA Subtest-2	Ant.13	23.50	16.00	15.00	19.00	17.00	17.00	19.00	17.00
DC-HSDPA Subtest-3	Ant.13	23.00	15.50	14.50	18.50	16.50	16.50	18.50	16.50
DC-HSDPA Subtest-4	Ant.13	23.00	15.50	14.50	18.50	16.50	16.50	18.50	16.50
HSUPA Subtest-1	Ant.13	22.00	14.50	13.50	17.50	15.50	15.50	17.50	15.50
HSUPA Subtest-2	Ant.13	21.80	14.30	13.30	17.30	15.30	15.30	17.30	15.30
HSUPA Subtest-3	Ant.13	21.50	14.00	13.00	17.00	15.00	15.00	17.00	15.00
HSUPA Subtest-4	Ant.13	21.00	13.50	12.50	16.50	14.50	14.50	16.50	14.50
HSUPA Subtest-5	Ant.13	24.00	16.50	15.50	19.50	17.50	17.50	19.50	17.50
HSPA+	Ant.13	24.00	16.50	15.50	19.50	17.50	17.50	19.50	17.50
WCDMA Band2 RMC	Ant.31	25.00	25.00	25.00	22.00	20.50	20.50	22.00	20.50
WCDMA Band2 AMR	Ant.31	25.00	25.00	25.00	22.00	20.50	20.50	22.00	20.50
HSDPA Subtest-1	Ant.31	24.00	24.00	24.00	21.00	19.50	19.50	21.00	19.50
HSDPA Subtest-2	Ant.31	23.50	23.50	23.50	20.50	19.00	19.00	20.50	19.00

HSDPA Subtest-3	Ant.31	23.00	23.00	23.00	20.00	18.50	18.50	20.00	18.50
HSDPA Subtest-4	Ant.31	23.00	23.00	23.00	20.00	18.50	18.50	20.00	18.50
DC-HSDPA Subtest-1	Ant.31	24.00	24.00	24.00	21.00	19.50	19.50	21.00	19.50
DC-HSDPA Subtest-2	Ant.31	23.50	23.50	23.50	20.50	19.00	19.00	20.50	19.00
DC-HSDPA Subtest-3	Ant.31	23.00	23.00	23.00	20.00	18.50	18.50	20.00	18.50
DC-HSDPA Subtest-4	Ant.31	23.00	23.00	23.00	20.00	18.50	18.50	20.00	18.50
HSUPA Subtest-1	Ant.31	22.00	22.00	22.00	19.00	17.50	17.50	19.00	17.50
HSUPA Subtest-2	Ant.31	21.80	21.80	21.80	18.80	17.30	17.30	18.80	17.30
HSUPA Subtest-3	Ant.31	21.50	21.50	21.50	18.50	17.00	17.00	18.50	17.00
HSUPA Subtest-4	Ant.31	21.00	21.00	21.00	18.00	16.50	16.50	18.00	16.50
HSUPA Subtest-5	Ant.31	24.00	24.00	24.00	21.00	19.50	19.50	21.00	19.50
HSPA+	Ant.31	24.00	24.00	24.00	21.00	19.50	19.50	21.00	19.50
WCDMA Band4 RMC	Ant.13	25.00	21.00	20.00	25.00	24.00	24.00	25.00	24.00
WCDMA Band4 RMC	Ant.13	25.00	21.00	20.00	25.00	24.00	24.00	25.00	24.00
HSDPA Subtest-1	Ant.13	24.00	20.00	19.00	24.00	23.00	23.00	24.00	23.00
HSDPA Subtest-2	Ant.13	23.50	19.50	18.50	23.50	22.50	22.50	23.50	22.50
HSDPA Subtest-3	Ant.13	23.00	19.00	18.00	23.00	22.00	22.00	23.00	22.00
HSDPA Subtest-4	Ant.13	23.00	19.00	18.00	23.00	22.00	22.00	23.00	22.00
DC-HSDPA Subtest-1	Ant.13	24.00	20.00	19.00	24.00	23.00	23.00	24.00	23.00
DC-HSDPA Subtest-2	Ant.13	23.50	19.50	18.50	23.50	22.50	22.50	23.50	22.50
DC-HSDPA Subtest-3	Ant.13	23.00	19.00	18.00	23.00	22.00	22.00	23.00	22.00
DC-HSDPA Subtest-4	Ant.13	23.00	19.00	18.00	23.00	22.00	22.00	23.00	22.00
HSUPA Subtest-1	Ant.13	22.00	18.00	17.00	22.00	21.00	21.00	22.00	21.00
HSUPA Subtest-2	Ant.13	21.80	17.80	16.80	21.80	20.80	20.80	21.80	20.80
HSUPA Subtest-3	Ant.13	21.50	17.50	16.50	21.50	20.50	20.50	21.50	20.50
HSUPA Subtest-4	Ant.13	21.00	17.00	16.00	21.00	20.00	20.00	21.00	20.00
HSUPA Subtest-5	Ant.13	24.00	20.00	19.00	24.00	23.00	23.00	24.00	23.00
HSPA+	Ant.13	24.00	20.00	19.00	24.00	23.00	23.00	24.00	23.00
WCDMA Band4 RMC	Ant.31	25.00	25.00	25.00	22.00	20.00	20.00	22.00	20.00
WCDMA Band4 RMC	Ant.31	25.00	25.00	25.00	22.00	20.00	20.00	22.00	20.00
HSDPA Subtest-1	Ant.31	24.00	24.00	24.00	21.00	19.00	19.00	21.00	19.00
HSDPA Subtest-2	Ant.31	23.50	23.50	23.50	20.50	18.50	18.50	20.50	18.50
HSDPA Subtest-3	Ant.31	23.00	23.00	23.00	20.00	18.00	18.00	20.00	18.00
HSDPA Subtest-4	Ant.31	23.00	23.00	23.00	20.00	18.00	18.00	20.00	18.00
DC-HSDPA Subtest-1	Ant.31	24.00	24.00	24.00	21.00	19.00	19.00	21.00	19.00
DC-HSDPA Subtest-2	Ant.31	23.50	23.50	23.50	20.50	18.50	18.50	20.50	18.50
DC-HSDPA Subtest-3	Ant.31	23.00	23.00	23.00	20.00	18.00	18.00	20.00	18.00
DC-HSDPA Subtest-4	Ant.31	23.00	23.00	23.00	20.00	18.00	18.00	20.00	18.00
HSUPA Subtest-1	Ant.31	22.00	22.00	22.00	19.00	17.00	17.00	19.00	17.00
HSUPA Subtest-2	Ant.31	21.80	21.80	21.80	18.80	16.80	16.80	18.80	16.80
HSUPA Subtest-3	Ant.31	21.50	21.50	21.50	18.50	16.50	16.50	18.50	16.50
HSUPA Subtest-4	Ant.31	21.00	21.00	21.00	18.00	16.00	16.00	18.00	16.00
HSUPA Subtest-5	Ant.31	24.00	24.00	24.00	21.00	19.00	19.00	21.00	19.00

HSPA+	Ant.31	24.00	24.00	24.00	21.00	19.00	19.00	21.00	19.00
WCDMA Band5 RMC	Ant.13	25.00	23.00	22.00	25.00	25.00	25.00	25.00	25.00
WCDMA Band5 AMR	Ant.13	25.00	23.00	22.00	25.00	25.00	25.00	25.00	25.00
HSDPA Subtest-1	Ant.13	24.00	22.00	21.00	24.00	24.00	24.00	24.00	24.00
HSDPA Subtest-2	Ant.13	23.80	21.80	20.80	23.80	23.80	23.80	23.80	23.80
HSDPA Subtest-3	Ant.13	23.50	21.50	20.50	23.50	23.50	23.50	23.50	23.50
HSDPA Subtest-4	Ant.13	23.40	21.40	20.40	23.40	23.40	23.40	23.40	23.40
DC-HSDPA Subtest-1	Ant.13	24.00	22.00	21.00	24.00	24.00	24.00	24.00	24.00
DC-HSDPA Subtest-2	Ant.13	23.80	21.80	20.80	23.80	23.80	23.80	23.80	23.80
DC-HSDPA Subtest-3	Ant.13	23.50	21.50	20.50	23.50	23.50	23.50	23.50	23.50
DC-HSDPA Subtest-4	Ant.13	23.40	21.40	20.40	23.40	23.40	23.40	23.40	23.40
HSUPA Subtest-1	Ant.13	22.20	20.20	19.20	22.20	22.20	22.20	22.20	22.20
HSUPA Subtest-2	Ant.13	23.00	21.00	20.00	23.00	23.00	23.00	23.00	23.00
HSUPA Subtest-3	Ant.13	22.50	20.50	19.50	22.50	22.50	22.50	22.50	22.50
HSUPA Subtest-4	Ant.13	21.80	19.80	18.80	21.80	21.80	21.80	21.80	21.80
HSUPA Subtest-5	Ant.13	24.50	22.50	21.50	24.50	24.50	24.50	24.50	24.50
HSPA+	Ant.13	24.00	22.00	21.00	24.00	24.00	24.00	24.00	24.00
WCDMA Band5 RMC	Ant.31	25.00	25.00	25.00	25.00	24.50	24.50	25.00	24.50
WCDMA Band5 AMR	Ant.31	25.00	25.00	25.00	25.00	24.50	24.50	25.00	24.50
HSDPA Subtest-1	Ant.31	24.00	24.00	24.00	24.00	23.50	23.50	24.00	23.50
HSDPA Subtest-2	Ant.31	23.80	23.80	23.80	23.80	23.30	23.30	23.80	23.30
HSDPA Subtest-3	Ant.31	23.50	23.50	23.50	23.50	23.00	23.00	23.50	23.00
HSDPA Subtest-4	Ant.31	23.40	23.40	23.40	23.40	22.90	22.90	23.40	22.90
DC-HSDPA Subtest-1	Ant.31	24.00	24.00	24.00	24.00	23.50	23.50	24.00	23.50
DC-HSDPA Subtest-2	Ant.31	23.80	23.80	23.80	23.80	23.30	23.30	23.80	23.30
DC-HSDPA Subtest-3	Ant.31	23.50	23.50	23.50	23.50	23.00	23.00	23.50	23.00
DC-HSDPA Subtest-4	Ant.31	23.40	23.40	23.40	23.40	22.90	22.90	23.40	22.90
HSUPA Subtest-1	Ant.31	22.20	22.20	22.20	22.20	21.70	21.70	22.20	21.70
HSUPA Subtest-2	Ant.31	23.00	23.00	23.00	23.00	22.50	22.50	23.00	22.50
HSUPA Subtest-3	Ant.31	22.50	22.50	22.50	22.50	22.00	22.00	22.50	22.00
HSUPA Subtest-4	Ant.31	21.80	21.80	21.80	21.80	21.30	21.30	21.80	21.30
HSUPA Subtest-5	Ant.31	24.50	24.50	24.50	24.50	24.00	24.00	24.50	24.00
HSPA+	Ant.31	24.00	24.00	24.00	24.00	23.50	23.50	24.00	23.50
LTE Band2	Ant.13	25.00	16.00	15.00	20.50	18.50	18.50	20.50	18.50
LTE Band2	Ant.31	25.00	25.00	25.00	22.00	20.50	20.50	22.00	20.50
LTE Band4	Ant.13	25.00	18.00	16.50	22.50	20.50	20.50	22.50	20.50
LTE Band4	Ant.31	25.00	25.00	25.00	22.50	20.50	20.50	22.50	20.50
LTE Band5	Ant.13	25.00	23.00	22.00	25.00	25.00	25.00	25.00	25.00
LTE Band5	Ant.31	25.00	25.00	25.00	25.00	24.50	24.50	25.00	24.50
LTE Band7	Ant.13	24.50	18.50	17.50	20.00	18.50	18.50	20.00	18.50
LTE Band7	Ant.31	24.50	24.50	24.50	24.00	22.00	22.00	24.00	22.00
LTE Band13	Ant.13	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00
LTE Band13	Ant.31	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00

LTE Band18	Ant.13	25.00	24.00	23.00	25.00	25.00	25.00	25.00	25.00
LTE Band18	Ant.31	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00
LTE Band19	Ant.13	25.00	23.00	22.00	25.00	25.00	25.00	25.00	25.00
LTE Band19	Ant.31	25.00	25.00	25.00	25.00	24.50	24.50	25.00	24.50
LTE Band26	Ant.13	25.00	23.50	22.50	25.00	25.00	25.00	25.00	25.00
LTE Band26	Ant.31	25.00	25.00	25.00	25.00	24.50	24.50	25.00	24.50
LTE Band66	Ant.13	25.00	20.00	19.00	22.00	20.50	20.50	22.00	20.50
LTE Band66	Ant.31	25.00	25.00	25.00	22.00	20.50	20.50	22.00	20.50
LTE Band38	Ant.13	25.00	21.00	20.00	21.50	20.00	20.00	21.50	20.00
LTE Band38	Ant.31	25.00	25.00	25.00	25.00	23.50	23.50	25.00	23.50
LTE Band41	Ant.13	25.00	21.00	20.00	21.50	20.00	20.00	21.50	20.00
LTE Band41	Ant.31	25.00	25.00	25.00	25.00	23.50	23.50	25.00	23.50

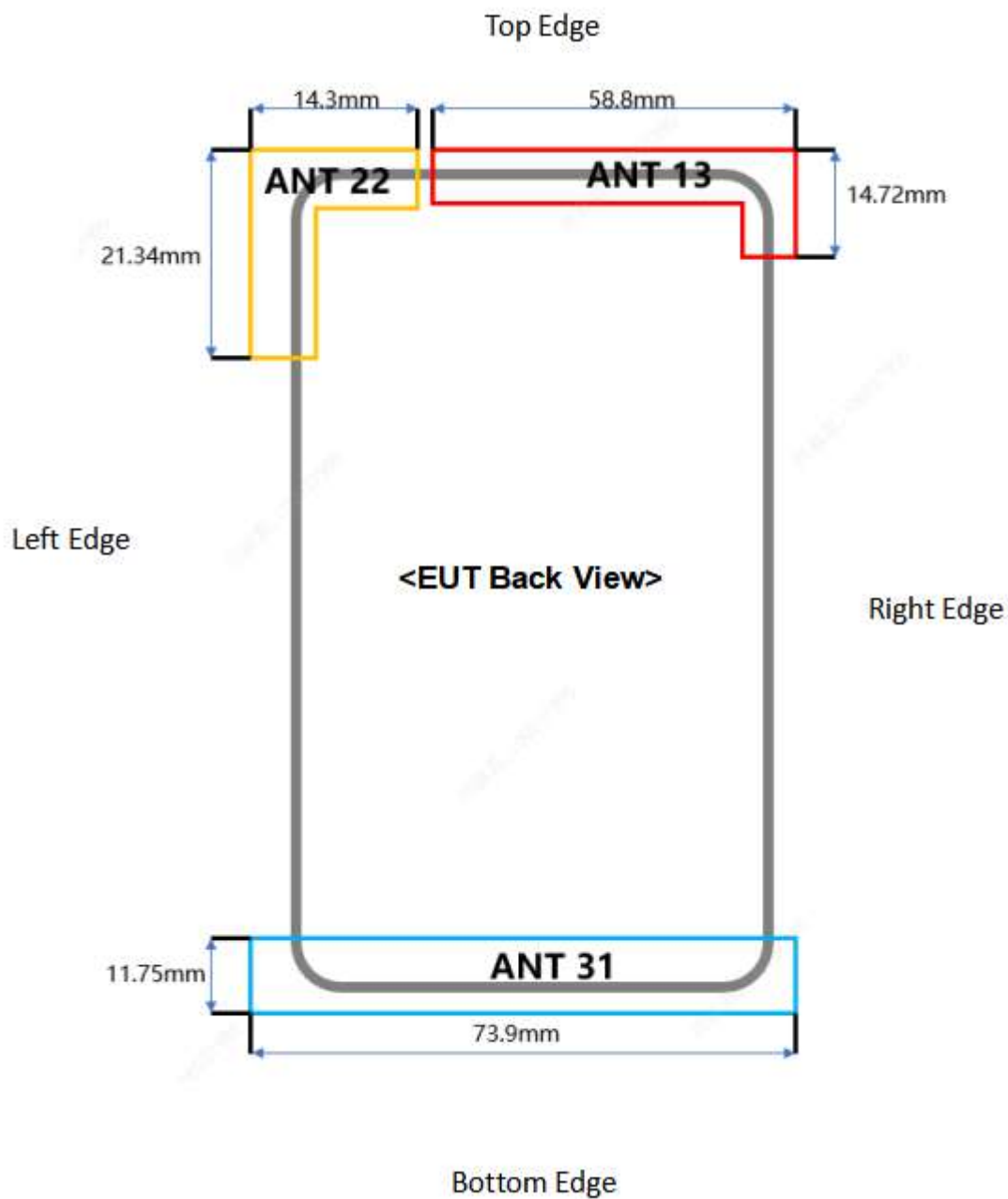
WLAN Reduced power level table

Reduced level	Receiver state	Transmitting	Antenna	Position
		conditions		
Level 1	On (head scenario)	Only WLAN	Ant.22	Head
Level 2	On (head scenario)	WWAN+WLAN	Ant.22	Head
Level 3	Off (Body scenario)	Only WLAN	Ant.22	Front Side;Back Side; Left Edge;Right Edge;Top Edge;Bottom Edge
Level 4	Off (Body scenario)	WWAN+WLAN	Ant.22	Front Side;Back Side; Left Edge;Right Edge;Top Edge;Bottom Edge

Mode	WLAN Antenna								
	Full Power	Receiver on		Receiver off					
		Head		Body-Worn		Hotspot		Specific	
		Standalone	Simultaneous transmission	Standalone	Simultaneous transmission	Simultaneous transmission		Standalone	Simultaneous transmission
	Off	Level1	Level2	Level3	Level4	Level3	Level4	Level3	Level4
2.4G WLAN 802.11b	20.00	18.00	17.00	20.00	20.00	20.00	20.00	20.00	20.00
2.4G WLAN 802.11g	19.00	18.00	17.00	19.00	19.00	19.00	19.00	19.00	19.00
2.4G WLAN 802.11n20	18.00	18.00	17.00	18.00	18.00	18.00	18.00	18.00	18.00
2.4G WLAN 802.11n40	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00
2.4G WLAN 802.11 VHT20	17.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00
2.4G WLAN 802.11 VHT40	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00
5.2G WLAN 802.11a	20.00	19.00	18.00	20.00	20.00	20.00	20.00	20.00	20.00
5.2G WLAN 802.11n20	19.00	19.00	18.00	19.00	19.00	19.00	19.00	19.00	19.00
5.2G WLAN 802.11n40	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00
5.2G WLAN 802.11ac20	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00
5.2G WLAN 802.11ac40	17.50	17.50	17.50	17.50	17.50	17.50	17.50	17.50	17.50
5.2G WLAN 802.11ac80	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00
5.3G WLAN 802.11a	20.00	20.00	20.00	20.00	20.00	/	/	20.00	20.00
5.3G WLAN 802.11n20	19.00	19.00	19.00	19.00	19.00	/	/	19.00	19.00
5.3G WLAN 802.11n40	18.00	18.00	18.00	18.00	18.00	/	/	18.00	18.00
5.3G WLAN 802.11ac20	18.00	18.00	18.00	18.00	18.00	/	/	18.00	18.00
5.3G WLAN 802.11ac40	17.50	17.50	17.50	17.50	17.50	/	/	17.50	17.50
5.3G WLAN 802.11ac80	15.00	15.00	15.00	15.00	15.00	/	/	15.00	15.00
5.6G WLAN 802.11a	20.00	19.00	18.00	20.00	19.00	/	/	20.00	19.00
5.6G WLAN 802.11n20	19.00	19.00	18.00	19.00	19.00	/	/	19.00	19.00
5.6G WLAN 802.11n40	18.00	18.00	18.00	18.00	18.00	/	/	18.00	18.00
5.6G WLAN 802.11ac20	18.00	18.00	18.00	18.00	18.00	/	/	18.00	18.00
5.6G WLAN 802.11ac40	17.50	17.50	17.50	17.50	17.50	/	/	17.50	17.50

5.6G WLAN 802.11ac80	15.00	15.00	15.00	15.00	15.00	/	/	15.00	15.00
5.8G WLAN 802.11a	20.00	20.00	19.00	17.00	15.00	17.00	15.00	17.00	15.00
5.8G WLAN 802.11n20	19.00	19.00	19.00	17.00	15.00	17.00	15.00	17.00	15.00
5.8G WLAN 802.11n40	18.00	18.00	18.00	17.00	15.00	17.00	15.00	17.00	15.00
5.8G WLAN 802.11ac20	18.00	18.00	18.00	17.00	15.00	17.00	15.00	17.00	15.00
5.8G WLAN 802.11ac40	17.50	17.50	17.50	17.00	15.00	17.00	15.00	17.00	15.00
5.8G WLAN 802.11ac80	17.00	17.00	17.00	17.00	15.00	17.00	15.00	17.00	15.00
Bluetooth	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00

9 TEST EXCLUSION CONSIDERATION



Antenna	Description	Support Bands
Antenna 13	2/3/4G TX Antenna	GSM 850/1900 WCDMA Band 2/4/5 LTE Band 2/4/5/7/13/18/19/26/66/38/41
Antenna 22	WLAN 2.4G TX Antenna WLAN 5G TX Antenna Bluetooth TX Antenna	2.4G WLAN 5G WLAN Bluetooth
Antenna 31	2/3/4G TX Antenna	GSM 850/1900 WCDMA Band 2/4/5 LTE Band 2/4/5/7/13/18/19/26/66/38/41

Antenna	Front Side(mm)	Back Side(mm)	Left Edge(mm)	Right Edge(mm)	Top Edge(mm)	Bottom Edge(mm)
Ant.13	<25	<25	>25	<25	<25	>25
Ant.22	<25	<25	<25	>25	<25	>25
Ant.31	<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

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.13	DSI5	DATA 2slots	Left Cheek	0	251	848.8	-0.01	0.407	28.43	30.00	1.435	0.584	/
	DSI5		Left Tilt	0	251	848.8	-0.08	0.362	28.43	30.00	1.435	0.519	/
	DSI5		Right Cheek	0	251	848.8	-0.04	0.587	28.43	30.00	1.435	0.842	1#
	DSI5		Right Tilt	0	251	848.8	0.13	0.536	28.43	30.00	1.435	0.769	/
	DSI5		Right Cheek	0	128	824.2	0.14	0.524	28.36	30.00	1.459	0.765	/
	DSI5		Right Cheek	0	190	836.6	-0.03	0.510	28.41	30.00	1.442	0.735	/
Ant.13	DSI7	DATA 2slots	Left Cheek	0	251	848.8	0.10	0.223	26.65	28.00	1.365	0.304	/
	DSI7		Left Tilt	0	251	848.8	-0.11	0.206	26.65	28.00	1.365	0.281	/
	DSI7		Right Cheek	0	251	848.8	0.01	0.375	26.65	28.00	1.365	0.512	/
	DSI7		Right Tilt	0	251	848.8	0.01	0.338	26.65	28.00	1.365	0.461	/
	DSI7		Right Cheek	0	128	824.2	0.04	0.331	26.48	28.00	1.419	0.470	/
	DSI7		Right Cheek	0	190	836.6	-0.01	0.324	26.58	28.00	1.387	0.449	/
Ant.31	DSI5&7	DATA 2slots	Left Cheek	0	128	824.2	-0.07	0.124	30.81	32.00	1.315	0.163	/
	DSI5&7		Left Tilt	0	128	824.2	-0.06	0.060	30.81	32.00	1.315	0.079	/
	DSI5&7		Right Cheek	0	128	824.2	-0.05	0.117	30.81	32.00	1.315	0.154	/
	DSI5&7		Right Tilt	0	128	824.2	-0.03	0.056	30.81	32.00	1.315	0.074	/
Body-worn													
Ant.13	DSI6&8	DATA	Front Side	15	251	848.8	-0.02	0.118	30.49	32.00	1.416	0.167	/
	DSI6&8	2slots	Back Side	15	251	848.8	-0.15	0.153	30.49	32.00	1.416	0.217	2#
Ant.31	DSI6	DATA	Front Side	15	128	824.2	-0.06	0.086	30.49	32.00	1.416	0.122	/
	DSI6	2slots	Back Side	15	128	824.2	-0.06	0.101	30.81	32.00	1.315	0.133	/
Ant.31	DSI8	DATA	Front Side	15	251	848.8	0.07	0.068	29.79	31.00	1.321	0.090	/
	DSI8	2slots	Back Side	15	251	848.8	0.05	0.079	29.79	31.00	1.321	0.104	/
Hotspot													
Ant.13	DSI8	DATA 2slots	Front Side	10	251	848.8	-0.14	0.234	30.49	32.00	1.416	0.331	/
	DSI8		Back Side	10	251	848.8	-0.02	0.301	30.49	32.00	1.416	0.426	3#
	DSI8		Right Edge	10	251	848.8	-0.03	0.131	30.49	32.00	1.416	0.185	/
	DSI8		Top Edge	10	251	848.8	-0.04	0.283	30.49	32.00	1.416	0.401	/
Ant.31	DSI8	DATA 2slots	Front Side	10	251	848.8	0.00	0.135	29.79	31.00	1.321	0.178	/
	DSI8		Back Side	10	251	848.8	0.13	0.216	29.79	31.00	1.321	0.285	/
	DSI8		Left Edge	10	251	848.8	-0.03	0.057	29.79	31.00	1.321	0.075	/
	DSI8		Right Edge	10	251	848.8	-0.11	0.103	29.79	31.00	1.321	0.136	/
	DSI8		Bottom Edge	10	251	848.8	0.15	0.163	29.79	31.00	1.321	0.215	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.													

10.2 GSM 1900

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	1 g Scaled SAR (W/kg)	Meas. No.
Head													
Ant.13	DSI5	DATA 2slots	Left Cheek	0	810	1909.8	0.02	0.432	23.74	24.50	1.191	0.515	/
	DSI5		Left Tilt	0	810	1909.8	-0.05	0.525	23.74	24.50	1.191	0.625	/
	DSI5		Right Cheek	0	810	1909.8	-0.12	0.670	23.74	24.50	1.191	0.798	/
	DSI5		Right Tilt	0	810	1909.8	-0.11	0.806	23.74	24.50	1.191	0.960	4#
	DSI5		Right Tilt	0	512	1850.2	0.07	0.690	23.71	24.50	1.199	0.827	/
	DSI5		Right Tilt	0	661	1880	0.04	0.685	23.65	24.50	1.216	0.833	/
Ant.13	DSI7	DATA 2slots	Left Cheek	0	810	1909.8	0.10	0.339	22.40	23.50	1.288	0.437	/
	DSI7		Left Tilt	0	810	1909.8	0.12	0.413	22.40	23.50	1.288	0.532	/
	DSI7		Right Cheek	0	810	1909.8	0.10	0.551	22.40	23.50	1.288	0.710	/
	DSI7		Right Tilt	0	810	1909.8	-0.02	0.650	22.40	23.50	1.288	0.837	/
	DSI7		Right Tilt	0	512	1850.2	-0.13	0.524	22.32	23.50	1.312	0.687	/
	DSI7		Right Tilt	0	661	1880	0.08	0.528	22.36	23.50	1.300	0.686	/
Ant.31	DSI5&7	DATA 2slots	Left Cheek	0	512	1850.2	0.11	0.054	26.84	28.50	1.466	0.079	/
	DSI5&7		Left Tilt	0	512	1850.2	0.00	0.046	26.84	28.50	1.466	0.067	/
	DSI5&7		Right Cheek	0	512	1850.2	-0.15	0.052	26.84	28.50	1.466	0.076	/
	DSI5&7		Right Tilt	0	512	1850.2	0.11	0.043	26.84	28.50	1.466	0.063	/
Body-worn													
Ant.13	DSI6	DATA	Front Side	15	810	1909.8	0.02	0.143	25.55	26.50	1.245	0.178	/
	DSI6	2slots	Back Side	15	810	1909.8	-0.04	0.220	25.55	26.50	1.245	0.274	5#
Ant.13	DSI8	DATA	Front Side	15	810	1909.8	-0.14	0.091	23.74	24.50	1.191	0.108	/
	DSI8	2slots	Back Side	15	810	1909.8	-0.12	0.141	23.74	24.50	1.191	0.168	/
Ant.31	DSI6	DATA	Front Side	15	512	1850.2	0.01	0.108	26.84	28.50	1.466	0.158	/
	DSI6	2slots	Back Side	15	512	1850.2	-0.14	0.185	26.84	28.50	1.466	0.271	/
Ant.31	DSI8	DATA	Front Side	15	512	1850.2	-0.15	0.075	25.36	26.50	1.300	0.098	/
	DSI8	2slots	Back Side	15	512	1850.2	0.13	0.131	25.36	26.50	1.300	0.170	/
Hotspot													
Ant.13	DSI8	DATA 2slots	Front Side	10	810	1909.8	0.15	0.152	23.74	24.50	1.191	0.181	/
	DSI8		Back Side	10	810	1909.8	-0.14	0.265	23.74	24.50	1.191	0.316	/
	DSI8		Right Edge	10	810	1909.8	-0.07	0.025	23.74	24.50	1.191	0.030	/
	DSI8		Top Edge	10	810	1909.8	-0.03	0.363	23.74	24.50	1.191	0.432	6#
Ant.31	DSI8	DATA 2slots	Front Side	10	512	1850.2	0.13	0.153	25.36	26.50	1.300	0.199	/
	DSI8		Back Side	10	512	1850.2	-0.12	0.268	25.36	26.50	1.300	0.348	/
	DSI8		Left Edge	10	512	1850.2	0.09	0.118	25.36	26.50	1.300	0.153	/
	DSI8		Right Edge	10	512	1850.2	-0.13	0.041	25.36	26.50	1.300	0.053	/
	DSI8		Bottom Edge	10	512	1850.2	-0.09	0.253	25.36	26.50	1.300	0.329	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.													

10.3WCDMA Band 2

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	1 g Scaled SAR (W/kg)	Meas. No.
Head													
Ant.13	DSI5	RMC	Left Cheek	0	9538	1907.6	0.11	0.495	16.71	17.50	1.199	0.594	/
	DSI5		Left Tilt	0	9538	1907.6	-0.06	0.603	16.71	17.50	1.199	0.723	/
	DSI5		Right Cheek	0	9538	1907.6	0.00	0.658	16.71	17.50	1.199	0.789	/
	DSI5		Right Tilt	0	9538	1907.6	0.00	0.750	16.71	17.50	1.199	0.899	7#
	DSI5		Right Tilt	0	9262	1852.4	-0.15	0.710	16.56	17.50	1.242	0.882	/
	DSI5		Right Tilt	0	9400	1880	-0.07	0.695	16.63	17.50	1.222	0.849	/
Ant.13	DSI7	RMC	Left Cheek	0	9538	1907.6	-0.14	0.378	15.36	16.50	1.300	0.491	/
	DSI7		Left Tilt	0	9538	1907.6	-0.07	0.442	15.36	16.50	1.300	0.575	/
	DSI7		Right Cheek	0	9538	1907.6	0.01	0.502	15.36	16.50	1.300	0.653	/
	DSI7		Right Tilt	0	9538	1907.6	0.06	0.573	15.36	16.50	1.300	0.745	/
Ant.31	DSI5&7	RMC	Left Cheek	0	9538	1907.6	0.05	0.100	24.12	25.00	1.225	0.123	/
	DSI5&7		Left Tilt	0	9538	1907.6	0.11	0.091	24.12	25.00	1.225	0.111	/
	DSI5&7		Right Cheek	0	9538	1907.6	-0.06	0.096	24.12	25.00	1.225	0.118	/
	DSI5&7		Right Tilt	0	9538	1907.6	0.10	0.084	24.12	25.00	1.225	0.103	/
Body-worn													
Ant.13	DSI6	RMC	Front Side	15	9538	1907.6	-0.11	0.151	19.26	20.50	1.330	0.201	/
	DSI6		Back Side	15	9538	1907.6	0.04	0.233	19.26	20.50	1.330	0.310	8#
Ant.13	DSI8	RMC	Front Side	15	9538	1907.6	0.02	0.095	17.33	18.50	1.309	0.124	/
	DSI8		Back Side	15	9538	1907.6	-0.11	0.146	17.33	18.50	1.309	0.191	/
Ant.31	DSI6	RMC	Front Side	15	9538	1907.6	-0.12	0.100	21.11	22.00	1.227	0.123	/
	DSI6		Back Side	15	9538	1907.6	-0.04	0.195	21.11	22.00	1.227	0.239	/
Ant.31	DSI8	RMC	Front Side	15	9400	1880	0.06	0.068	19.55	20.50	1.245	0.085	/
	DSI8		Back Side	15	9400	1880	0.00	0.138	19.55	20.50	1.245	0.172	/
Hotspot													
Ant.13	DSI8	RMC	Front Side	10	9538	1907.6	-0.06	0.181	17.33	18.50	1.309	0.237	/
	DSI8		Back Side	10	9538	1907.6	-0.11	0.325	17.33	18.50	1.309	0.425	/
	DSI8		Right Edge	10	9538	1907.6	0.09	0.031	17.33	18.50	1.309	0.041	/
	DSI8		Top Edge	10	9538	1907.6	-0.08	0.445	17.33	18.50	1.309	0.583	9#
Ant.31	DSI8	RMC	Front Side	10	9400	1880	-0.14	0.141	19.55	20.50	1.245	0.176	/
	DSI8		Back Side	10	9400	1880	0.10	0.285	19.55	20.50	1.245	0.355	/
	DSI8		Left Edge	10	9400	1880	-0.11	0.098	19.55	20.50	1.245	0.122	/
	DSI8		Right Edge	10	9400	1880	-0.02	0.036	19.55	20.50	1.245	0.045	/
	DSI8		Bottom Edge	10	9400	1880	-0.11	0.271	19.55	20.50	1.245	0.337	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.													

10.4WCDMA Band 4

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	1 g Scaled SAR (W/kg)	Meas. No.
Head													
Ant.13	DSI5	RMC	Left Cheek	0	1513	1752.6	-0.12	0.345	19.76	21.00	1.330	0.459	/
	DSI5		Left Tilt	0	1513	1752.6	0.07	0.422	19.76	21.00	1.330	0.561	/
	DSI5		Right Cheek	0	1513	1752.6	-0.05	0.600	19.76	21.00	1.330	0.798	/
	DSI5		Right Tilt	0	1513	1752.6	-0.08	0.692	19.76	21.00	1.330	0.920	10#
	DSI5		Right Tilt	0	1312	1712.4	-0.15	0.650	19.73	21.00	1.340	0.871	/
	DSI5		Right Tilt	0	1412	1732.4	0.03	0.642	19.75	21.00	1.334	0.856	/
Ant.13	DSI7	RMC	Left Cheek	0	1513	1752.6	0.03	0.273	18.79	20.00	1.321	0.361	/
	DSI7		Left Tilt	0	1513	1752.6	-0.02	0.332	18.79	20.00	1.321	0.439	/
	DSI7		Right Cheek	0	1513	1752.6	-0.01	0.471	18.79	20.00	1.321	0.622	/
	DSI7		Right Tilt	0	1513	1752.6	0.11	0.508	18.79	20.00	1.321	0.671	/
Ant.31	DSI5&7	RMC	Left Cheek	0	1412	1732.4	0.04	0.075	23.94	25.00	1.276	0.096	/
	DSI5&7		Left Tilt	0	1412	1732.4	0.08	0.043	23.94	25.00	1.276	0.055	/
	DSI5&7		Right Cheek	0	1412	1732.4	-0.09	0.069	23.94	25.00	1.276	0.088	/
	DSI5&7		Right Tilt	0	1412	1732.4	0.03	0.050	23.94	25.00	1.276	0.064	/
Body-worn													
Ant.13	DSI6	RMC	Front Side	15	1513	1752.6	-0.09	0.289	23.88	25.00	1.294	0.374	/
	DSI6		Back Side	15	1513	1752.6	-0.06	0.353	23.88	25.00	1.294	0.457	11#
Ant.13	DSI8	RMC	Front Side	15	1513	1752.6	-0.02	0.229	22.79	24.00	1.321	0.303	/
	DSI8		Back Side	15	1513	1752.6	0.00	0.276	22.79	24.00	1.321	0.365	/
Ant.31	DSI6	RMC	Front Side	15	1513	1752.6	0.15	0.098	21.01	22.00	1.256	0.123	/
	DSI6		Back Side	15	1513	1752.6	0.07	0.193	21.01	22.00	1.256	0.242	/
Ant.31	DSI8	RMC	Front Side	15	1513	1752.6	-0.05	0.061	19.19	20.00	1.205	0.074	/
	DSI8		Back Side	15	1513	1752.6	0.10	0.124	19.19	20.00	1.205	0.149	/
Hotspot													
Ant.13	DSI8	RMC	Front Side	10	1513	1752.6	-0.14	0.265	22.79	24.00	1.321	0.350	/
	DSI8		Back Side	10	1513	1752.6	-0.07	0.266	22.79	24.00	1.321	0.351	/
	DSI8		Right Edge	10	1513	1752.6	0.05	0.108	22.79	24.00	1.321	0.143	/
	DSI8		Top Edge	10	1513	1752.6	-0.01	0.573	22.79	24.00	1.321	0.757	12#
Ant.31	DSI8	RMC	Front Side	10	1513	1752.6	-0.08	0.107	19.19	20.00	1.205	0.129	/
	DSI8		Back Side	10	1513	1752.6	-0.12	0.252	19.19	20.00	1.205	0.304	/
	DSI8		Left Edge	10	1513	1752.6	0.06	0.019	19.19	20.00	1.205	0.023	/
	DSI8		Right Edge	10	1513	1752.6	-0.11	0.048	19.19	20.00	1.205	0.058	/
	DSI8		Bottom Edge	10	1513	1752.6	-0.04	0.313	19.19	20.00	1.205	0.377	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.													

10.5WCDMA Band 5

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	1 g Scaled SAR (W/kg)	Meas. No.
Head													
Ant.13	DSI5	RMC	Left Cheek	0	4182	836.4	-0.04	0.410	21.75	23.00	1.334	0.547	/
	DSI5		Left Tilt	0	4182	836.4	0.06	0.380	21.75	23.00	1.334	0.507	/
	DSI5		Right Cheek	0	4182	836.4	-0.04	0.610	21.75	23.00	1.334	0.814	13#
	DSI5		Right Tilt	0	4182	836.4	0.06	0.568	21.75	23.00	1.334	0.758	/
	DSI5		Right Cheek	0	4132	826.4	0.11	0.596	21.73	23.00	1.340	0.799	/
	DSI5		Right Cheek	0	4233	846.6	-0.05	0.602	21.71	23.00	1.346	0.810	/
Ant.13	DSI7	RMC	Left Cheek	0	4182	836.4	-0.06	0.324	20.75	22.00	1.334	0.432	/
	DSI7		Left Tilt	0	4182	836.4	-0.08	0.298	20.75	22.00	1.334	0.398	/
	DSI7		Right Cheek	0	4182	836.4	-0.03	0.483	20.75	22.00	1.334	0.644	/
	DSI7		Right Tilt	0	4182	836.4	0.03	0.451	20.75	22.00	1.334	0.602	/
Ant.31	DSI5&7	RMC	Left Cheek	0	4182	836.4	0.04	0.100	23.93	25.00	1.279	0.128	/
	DSI5&7		Left Tilt	0	4182	836.4	-0.13	0.053	23.93	25.00	1.279	0.068	/
	DSI5&7		Right Cheek	0	4182	836.4	-0.13	0.097	23.93	25.00	1.279	0.124	/
	DSI5&7		Right Tilt	0	4182	836.4	-0.15	0.051	23.93	25.00	1.279	0.065	/
Body-worn													
Ant.13	DSI6&8	RMC	Front Side	15	4233	846.6	0.05	0.116	23.74	25.00	1.337	0.155	/
	DSI6&8		Back Side	15	4233	846.6	-0.09	0.145	23.74	25.00	1.337	0.194	14#
Ant.31	DSI6	RMC	Front Side	15	4182	836.4	0.05	0.086	23.93	25.00	1.279	0.110	/
	DSI6		Back Side	15	4182	836.4	-0.09	0.098	23.93	25.00	1.279	0.125	/
Ant.31	DSI8	RMC	Front Side	15	4182	836.4	0.12	0.078	23.44	24.50	1.276	0.100	/
	DSI8		Back Side	15	4182	836.4	0.02	0.086	23.44	24.50	1.276	0.110	/
Hotspot													
Ant.13	DSI8	RMC	Front Side	10	4233	846.6	0.13	0.166	23.74	25.00	1.337	0.222	/
	DSI8		Back Side	10	4233	846.6	-0.04	0.204	23.74	25.00	1.337	0.273	15#
	DSI8		Right Edge	10	4233	846.6	-0.08	0.095	23.74	25.00	1.337	0.127	/
	DSI8		Top Edge	10	4233	846.6	-0.12	0.201	23.74	25.00	1.337	0.269	/
Ant.31	DSI8	RMC	Front Side	10	4182	836.4	-0.14	0.126	23.44	24.50	1.276	0.161	/
	DSI8		Back Side	10	4182	836.4	-0.01	0.203	23.44	24.50	1.276	0.259	/
	DSI8		Left Edge	10	4182	836.4	-0.09	0.054	23.44	24.50	1.276	0.069	/
	DSI8		Right Edge	10	4182	836.4	-0.02	0.096	23.44	24.50	1.276	0.122	/
	DSI8		Bottom Edge	10	4182	836.4	-0.15	0.146	23.44	24.50	1.276	0.186	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.													

10.6LTE 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.13	DSI5	QPSK	Left Cheek	0	19100	1900	1	High	-0.09	0.478	15.76	16.00	1.057	0.505	/
	DSI5		Left Tilt	0	19100	1900	1	High	0.11	0.580	15.76	16.00	1.057	0.613	/
	DSI5		Right Cheek	0	19100	1900	1	High	-0.11	0.651	15.76	16.00	1.057	0.688	/
	DSI5		Right Tilt	0	19100	1900	1	High	-0.08	0.724	15.76	16.00	1.057	0.765	16#
	DSI5		Left Cheek	0	18700	1880	50	Low	-0.08	0.378	15.84	16.00	1.038	0.392	/
	DSI5		Left Tilt	0	18700	1880	50	Low	-0.07	0.418	15.84	16.00	1.038	0.434	/
	DSI5		Right Cheek	0	18700	1880	50	Low	-0.12	0.519	15.84	16.00	1.038	0.539	/
	DSI5		Right Tilt	0	18700	1880	50	Low	0.05	0.607	15.84	16.00	1.038	0.630	/
Ant.13	DSI7	QPSK	Left Cheek	0	19100	1900	1	Mid	-0.02	0.360	14.92	15.00	1.019	0.367	/
	DSI7		Left Tilt	0	19100	1900	1	Mid	-0.05	0.437	14.92	15.00	1.019	0.445	/
	DSI7		Right Cheek	0	19100	1900	1	Mid	-0.15	0.490	14.92	15.00	1.019	0.499	/
	DSI7		Right Tilt	0	19100	1900	1	Mid	-0.05	0.615	14.92	15.00	1.019	0.627	/
	DSI7		Left Cheek	0	18700	1880	50	Low	0.05	0.285	15.00	15.00	1.000	0.285	/
	DSI7		Left Tilt	0	18700	1880	50	Low	0.08	0.315	15.00	15.00	1.000	0.315	/
	DSI7		Right Cheek	0	18700	1880	50	Low	0.01	0.391	15.00	15.00	1.000	0.391	/
	DSI7		Right Tilt	0	18700	1880	50	Low	-0.14	0.458	15.00	15.00	1.000	0.458	/
Ant.31	DSI5&7	QPSK	Left Cheek	0	19100	1900	1	High	-0.14	0.135	24.25	25.00	1.189	0.161	/
	DSI5&7		Left Tilt	0	19100	1900	1	High	-0.06	0.069	24.25	25.00	1.189	0.082	/
	DSI5&7		Right Cheek	0	19100	1900	1	High	-0.06	0.132	24.25	25.00	1.189	0.157	/
	DSI5&7		Right Tilt	0	19100	1900	1	High	0.12	0.076	24.25	25.00	1.189	0.090	/
	DSI5&7		Left Cheek	0	18900	1880	50	Mid	0.00	0.112	23.23	24.00	1.194	0.134	/
	DSI5&7		Left Tilt	0	18900	1880	50	Mid	0.04	0.059	23.23	24.00	1.194	0.070	/
	DSI5&7		Right Cheek	0	18900	1880	50	Mid	-0.02	0.109	23.23	24.00	1.194	0.130	/
	DSI5&7		Right Tilt	0	18900	1880	50	Mid	-0.01	0.061	23.23	24.00	1.194	0.073	/
Body-worn															
Ant.13	DSI6	QPSK	Front Side	15	18900	1900	1	High	0.13	0.162	18.95	20.50	1.429	0.231	/
	DSI6		Back Side	15	18900	1900	1	High	-0.12	0.248	18.95	20.50	1.429	0.354	17#
	DSI6		Front Side	15	18900	1900	50	Mid	0.12	0.160	19.01	20.50	1.409	0.225	/
	DSI6		Back Side	15	18900	1900	50	Mid	-0.07	0.241	19.01	20.50	1.409	0.340	/
Ant.13	DSI8	QPSK	Front Side	15	18900	1900	1	High	-0.04	0.135	18.27	18.50	1.054	0.142	/
	DSI8		Back Side	15	18900	1900	1	High	-0.07	0.204	18.27	18.50	1.054	0.215	/
	DSI8		Front Side	15	18900	1900	50	High	0.09	0.132	18.31	18.50	1.045	0.138	/
	DSI8		Back Side	15	18900	1900	50	High	0.14	0.198	18.31	18.50	1.045	0.207	/
Ant.31	DSI6	QPSK	Front Side	15	18900	1900	1	High	0.00	0.105	21.30	22.00	1.175	0.123	/
	DSI6		Back Side	15	18900	1900	1	High	-0.05	0.206	21.30	22.00	1.175	0.242	/
	DSI6		Front Side	15	19100	1900	50	Low	-0.15	0.105	21.14	22.00	1.219	0.128	/

	DSI6		Back Side	15	19100	1900	50	Low	-0.10	0.210	21.14	22.00	1.219	0.256	/
Ant.31	DSI8	QPSK	Front Side	15	18900	1900	1	High	0.06	0.072	19.36	20.50	1.300	0.094	/
	DSI8		Back Side	15	18900	1900	1	High	-0.15	0.141	19.36	20.50	1.300	0.183	/
	DSI8		Front Side	15	19100	1900	50	Low	0.10	0.078	19.16	20.50	1.361	0.106	/
	DSI8		Back Side	15	19100	1900	50	Low	-0.13	0.143	19.16	20.50	1.361	0.195	/
Hotspot															
Ant.13	DSI8	QPSK	Front Side	10	18900	1900	1	High	0.08	0.208	18.27	18.50	1.054	0.219	/
	DSI8		Back Side	10	18900	1900	1	High	0.12	0.374	18.27	18.50	1.054	0.394	/
	DSI8		Right Edge	10	18900	1900	1	High	-0.09	0.085	18.27	18.50	1.054	0.090	/
	DSI8		Top Edge	10	18900	1900	1	High	-0.01	0.507	18.27	18.50	1.054	0.534	18#
	DSI8		Front Side	10	18900	1900	50	High	0.06	0.209	18.31	18.50	1.045	0.218	/
	DSI8		Back Side	10	18900	1900	50	High	-0.13	0.360	18.31	18.50	1.045	0.376	/
	DSI8		Right Edge	10	18900	1900	50	High	-0.02	0.074	18.31	18.50	1.045	0.077	/
	DSI8		Top Edge	10	18900	1900	50	High	-0.13	0.503	18.31	18.50	1.045	0.526	/
Ant.31	DSI8	QPSK	Front Side	10	18900	1900	1	High	0.08	0.167	19.36	20.50	1.300	0.217	/
	DSI8		Back Side	10	18900	1900	1	High	0.07	0.332	19.36	20.50	1.300	0.432	/
	DSI8		Left Edge	10	18900	1900	1	High	-0.04	0.115	19.36	20.50	1.300	0.150	/
	DSI8		Right Edge	10	18900	1900	1	High	0.10	0.041	19.36	20.50	1.300	0.053	/
	DSI8		Bottom Edge	10	18900	1900	1	High	0.03	0.319	19.36	20.50	1.300	0.415	/
	DSI8		Front Side	10	19100	1900	50	Low	0.08	0.169	19.16	20.50	1.361	0.230	/
	DSI8		Back Side	10	19100	1900	50	Low	-0.02	0.329	19.16	20.50	1.361	0.448	/
	DSI8		Left Edge	10	19100	1900	50	Low	-0.11	0.041	19.16	20.50	1.361	0.056	/
	DSI8		Right Edge	10	19100	1900	50	Low	-0.11	0.112	19.16	20.50	1.361	0.152	/
	DSI8		Bottom Edge	10	19100	1900	50	Low	-0.14	0.317	19.16	20.50	1.361	0.431	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.															

10.7LTE 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.13	DSI5	QPSK	Left Cheek	0	20175	1732.5	1	High	0.08	0.383	16.79	18.00	1.321	0.506	/
	DSI5		Left Tilt	0	20175	1732.5	1	High	-0.03	0.548	16.79	18.00	1.321	0.724	/
	DSI5		Right Cheek	0	20175	1732.5	1	High	0.10	0.601	16.79	18.00	1.321	0.794	/
	DSI5		Right Tilt	0	20175	1732.5	1	High	-0.02	0.708	16.79	18.00	1.321	0.935	/
	DSI5		Left Cheek	0	20175	1732.5	50	High	0.15	0.376	16.46	18.00	1.426	0.536	/
	DSI5		Left Tilt	0	20175	1732.5	50	High	0.03	0.541	16.46	18.00	1.426	0.771	/
	DSI5		Right Cheek	0	20175	1732.5	50	High	-0.12	0.558	16.46	18.00	1.426	0.796	/
	DSI5		Right Tilt	0	20175	1732.5	50	High	0.15	0.648	16.46	18.00	1.426	0.924	/
	DSI5		Right Tilt	0	20050	1720	1	High	-0.07	0.671	16.48	18.00	1.419	0.952	/
	DSI5		Right Tilt	0	20300	1745	1	High	0.18	0.725	16.79	18.00	1.321	0.958	19#
	DSI5		Right Tilt	0	20050	1720	50	High	0.09	0.653	16.40	18.00	1.445	0.944	/
	DSI5		Right Tilt	0	20300	1745	50	Low	-0.05	0.641	16.44	18.00	1.432	0.918	/
	DSI5		Right Tilt	0	20050	1720	100	Low	-0.14	0.620	16.25	18.00	1.496	0.928	/
Ant.13	DSI7	QPSK	Left Cheek	0	20050	1720	1	High	-0.12	0.281	15.21	16.50	1.346	0.378	/
	DSI7		Left Tilt	0	20050	1720	1	High	0.07	0.408	15.21	16.50	1.346	0.549	/
	DSI7		Right Cheek	0	20050	1720	1	High	0.12	0.439	15.21	16.50	1.346	0.591	/
	DSI7		Right Tilt	0	20050	1720	1	High	-0.11	0.559	15.21	16.50	1.346	0.752	/
	DSI7		Left Cheek	0	20050	1720	50	High	-0.13	0.278	15.07	16.50	1.390	0.386	/
	DSI7		Left Tilt	0	20050	1720	50	High	0.14	0.405	15.07	16.50	1.390	0.563	/
	DSI7		Right Cheek	0	20050	1720	50	High	-0.13	0.418	15.07	16.50	1.390	0.581	/
	DSI7		Right Tilt	0	20050	1720	50	High	0.15	0.485	15.07	16.50	1.390	0.674	/
Ant.31	DSI5&7	QPSK	Left Cheek	0	20175	1732.5	1	Low	-0.11	0.078	23.87	25.00	1.297	0.101	/
	DSI5&7		Left Tilt	0	20175	1732.5	1	High	-0.09	0.041	23.87	25.00	1.297	0.053	/
	DSI5&7		Right Cheek	0	20175	1732.5	1	High	0.09	0.054	23.87	25.00	1.297	0.070	/
	DSI5&7		Right Tilt	0	20175	1732.5	1	High	-0.01	0.041	23.87	25.00	1.297	0.053	/
	DSI5&7		Left Cheek	0	20050	1720	50	High	-0.10	0.063	22.73	24.00	1.340	0.084	/
	DSI5&7		Left Tilt	0	20050	1720	50	High	-0.04	0.033	22.73	24.00	1.340	0.044	/
	DSI5&7		Right Cheek	0	20050	1720	50	High	-0.09	0.041	22.73	24.00	1.340	0.055	/
	DSI5&7		Right Tilt	0	20050	1720	50	High	0.01	0.030	22.73	24.00	1.340	0.040	/
Body-worn															
Ant.13	DSI6	QPSK	Front Side	15	20175	1732.5	1	High	0.06	0.121	20.99	22.50	1.416	0.171	/
	DSI6		Back Side	15	20175	1732.5	1	High	-0.11	0.152	20.99	22.50	1.416	0.215	/
	DSI6		Front Side	15	20050	1720	50	Low	-0.05	0.119	20.91	22.50	1.442	0.172	/
	DSI6		Back Side	15	20050	1720	50	Low	0.04	0.149	20.91	22.50	1.442	0.215	/
Ant.13	DSI8	QPSK	Front Side	15	20300	1745	1	High	-0.10	0.072	19.03	20.50	1.403	0.101	/
	DSI8		Back Side	15	20300	1745	1	High	-0.04	0.091	19.03	20.50	1.403	0.128	/

	DSI8		Front Side	15	20050	1720	50	High	-0.13	0.073	18.84	20.50	1.466	0.107	/
	DSI8		Back Side	15	20050	1720	50	High	0.13	0.093	18.84	20.50	1.466	0.136	/
Ant.31	DSI6	QPSK	Front Side	15	20300	1745	1	High	-0.15	0.085	21.28	22.50	1.324	0.113	/
	DSI6		Back Side	15	20300	1745	1	High	0.12	0.167	21.28	22.50	1.324	0.221	20#
	DSI6		Front Side	15	20050	1720	50	High	0.04	0.085	21.25	22.50	1.334	0.113	/
	DSI6		Back Side	15	20050	1720	50	High	0.11	0.165	21.25	22.50	1.334	0.220	/
Ant.31	DSI8	QPSK	Front Side	15	20300	1745	1	Mid	0.10	0.053	19.29	20.50	1.321	0.070	/
	DSI8		Back Side	15	20300	1745	1	Mid	-0.04	0.103	19.29	20.50	1.321	0.136	/
	DSI8		Front Side	15	20050	1720	50	High	0.00	0.054	19.15	20.50	1.365	0.074	/
	DSI8		Back Side	15	20050	1720	50	High	0.00	0.105	19.15	20.50	1.365	0.143	/
Hotspot															
Ant.13	DSI8	QPSK	Front Side	10	20300	1745	1	High	0.02	0.218	19.03	20.50	1.403	0.306	/
	DSI8		Back Side	10	20300	1745	1	High	0.00	0.218	19.03	20.50	1.403	0.306	/
	DSI8		Right Edge	10	20300	1745	1	High	0.04	0.091	19.03	20.50	1.403	0.128	/
	DSI8		Top Edge	10	20300	1745	1	High	-0.04	0.465	19.03	20.50	1.403	0.652	21#
	DSI8		Front Side	10	20050	1720	50	High	0.07	0.218	18.84	20.50	1.466	0.320	/
	DSI8		Back Side	10	20050	1720	50	High	0.00	0.268	18.84	20.50	1.466	0.393	/
	DSI8		Right Edge	10	20050	1720	50	High	0.02	0.089	18.84	20.50	1.466	0.130	/
	DSI8		Top Edge	10	20050	1720	50	High	0.02	0.441	18.84	20.50	1.466	0.647	/
Ant.31	DSI8	QPSK	Front Side	10	20300	1745	1	Mid	-0.11	0.129	19.29	20.50	1.321	0.170	/
	DSI8		Back Side	10	20300	1745	1	Mid	0.09	0.301	19.29	20.50	1.321	0.398	/
	DSI8		Left Edge	10	20300	1745	1	Mid	-0.13	0.023	19.29	20.50	1.321	0.030	/
	DSI8		Right Edge	10	20300	1745	1	Mid	-0.05	0.058	19.29	20.50	1.321	0.077	/
	DSI8		Bottom Edge	10	20300	1745	1	Mid	-0.18	0.374	19.29	20.50	1.321	0.494	/
	DSI8		Front Side	10	20050	1720	50	High	-0.02	0.128	19.15	20.50	1.365	0.175	/
	DSI8		Back Side	10	20050	1720	50	High	0.06	0.302	19.15	20.50	1.365	0.412	/
	DSI8		Left Edge	10	20050	1720	50	High	-0.10	0.051	19.15	20.50	1.365	0.070	/
	DSI8		Right Edge	10	20050	1720	50	High	-0.12	0.028	19.15	20.50	1.365	0.038	/
	DSI8		Bottom Edge	10	20050	1720	50	High	0.01	0.356	19.15	20.50	1.365	0.486	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.															

10.8LTE 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.13	DSI5	QPSK	Left Cheek	0	20600	844	1	Low	0.10	0.480	21.89	23.00	1.291	0.620	/
	DSI5		Left Tilt	0	20600	844	1	Low	-0.05	0.413	21.89	23.00	1.291	0.533	/
	DSI5		Right Cheek	0	20600	844	1	Low	0.02	0.596	21.89	23.00	1.291	0.769	22#
	DSI5		Right Tilt	0	20600	844	1	Low	0.09	0.557	21.89	23.00	1.291	0.719	/
	DSI5		Left Cheek	0	20525	836.5	25	Low	0.02	0.473	21.97	23.00	1.268	0.600	/
	DSI5		Left Tilt	0	20525	836.5	25	Low	0.14	0.405	21.97	23.00	1.268	0.514	/
	DSI5		Right Cheek	0	20525	836.5	25	Low	-0.11	0.576	21.97	23.00	1.268	0.730	/
	DSI5		Right Tilt	0	20525	836.5	25	Low	0.04	0.551	21.97	23.00	1.268	0.699	/
Ant.13	DSI7	QPSK	Left Cheek	0	20525	836.5	1	High	-0.08	0.394	20.92	22.00	1.282	0.505	/
	DSI7		Left Tilt	0	20525	836.5	1	High	0.03	0.338	20.92	22.00	1.282	0.433	/
	DSI7		Right Cheek	0	20525	836.5	1	High	-0.01	0.525	20.92	22.00	1.282	0.673	/
	DSI7		Right Tilt	0	20525	836.5	1	High	0.05	0.461	20.92	22.00	1.282	0.591	/
	DSI7		Left Cheek	0	20525	836.5	25	Mid	0.06	0.385	20.94	22.00	1.276	0.491	/
	DSI7		Left Tilt	0	20525	836.5	25	Mid	-0.04	0.334	20.94	22.00	1.276	0.426	/
	DSI7		Right Cheek	0	20525	836.5	25	Mid	-0.09	0.471	20.94	22.00	1.276	0.601	/
	DSI7		Right Tilt	0	20525	836.5	25	Mid	-0.14	0.453	20.94	22.00	1.276	0.578	/
Ant.31	DSI5&7	QPSK	Left Cheek	0	20600	844	1	High	-0.09	0.126	23.93	25.00	1.279	0.161	/
	DSI5&7		Left Tilt	0	20600	844	1	High	-0.04	0.063	23.93	25.00	1.279	0.081	/
	DSI5&7		Right Cheek	0	20600	844	1	High	-0.08	0.121	23.93	25.00	1.279	0.155	/
	DSI5&7		Right Tilt	0	20600	844	1	High	-0.01	0.061	23.93	25.00	1.279	0.078	/
	DSI5&7		Left Cheek	0	20450	829	25	High	0.13	0.105	23.12	24.00	1.225	0.129	/
	DSI5&7		Left Tilt	0	20450	829	25	High	-0.10	0.052	23.12	24.00	1.225	0.064	/
	DSI5&7		Right Cheek	0	20450	829	25	High	0.00	0.096	23.12	24.00	1.225	0.118	/
	DSI5&7		Right Tilt	0	20450	829	25	High	0.02	0.047	23.12	24.00	1.225	0.058	/
Body-worn															
Ant.13	DSI6&8	QPSK	Front Side	15	20600	844	1	Low	-0.15	0.154	23.55	25.00	1.396	0.215	/
	DSI6&8		Back Side	15	20600	844	1	Low	0.04	0.195	23.55	25.00	1.396	0.272	23#
	DSI6&8		Front Side	15	20450	829	25	High	0.02	0.127	22.80	24.00	1.318	0.167	/
	DSI6&8		Back Side	15	20450	829	25	High	-0.03	0.162	22.80	24.00	1.318	0.214	/
Ant.31	DSI6	QPSK	Front Side	15	20600	844	1	High	0.07	0.084	23.93	25.00	1.279	0.107	/
	DSI6		Back Side	15	20600	844	1	High	-0.03	0.097	23.93	25.00	1.279	0.124	/
	DSI6		Front Side	15	20450	829	25	High	-0.14	0.070	23.12	24.00	1.225	0.086	/
	DSI6		Back Side	15	20450	829	25	High	-0.07	0.083	23.12	24.00	1.225	0.102	/
Ant.31	DSI8	QPSK	Front Side	15	20525	836.5	1	High	-0.15	0.075	23.37	24.50	1.297	0.097	/
	DSI8		Back Side	15	20525	836.5	1	High	-0.13	0.087	23.37	24.50	1.297	0.113	/
	DSI8		Front Side	15	20450	829	25	High	-0.10	0.069	23.01	24.00	1.256	0.087	/

	DSI8		Back Side	15	20450	829	25	High	0.03	0.082	23.01	24.00	1.256	0.103	/
Hotspot															
Ant.13	DSI8	QPSK	Front Side	10	20600	844	1	Low	0.09	0.210	23.55	25.00	1.396	0.293	/
	DSI8		Back Side	10	20600	844	1	Low	-0.06	0.257	23.55	25.00	1.396	0.359	24#
	DSI8		Right Edge	10	20600	844	1	Low	0.03	0.118	23.55	25.00	1.396	0.165	/
	DSI8		Top Edge	10	20600	844	1	Low	0.00	0.252	23.55	25.00	1.396	0.352	/
	DSI8		Front Side	10	20450	829	25	High	0.02	0.180	22.80	24.00	1.318	0.237	/
	DSI8		Back Side	10	20450	829	25	High	0.08	0.211	22.80	24.00	1.318	0.278	/
	DSI8		Right Edge	10	20450	829	25	High	0.05	0.099	22.80	24.00	1.318	0.130	/
	DSI8		Top Edge	10	20450	829	25	High	0.11	0.211	22.80	24.00	1.318	0.278	/
Ant.31	DSI8	QPSK	Front Side	10	20525	836.5	1	High	-0.02	0.137	23.37	24.50	1.297	0.178	/
	DSI8		Back Side	10	20525	836.5	1	High	-0.06	0.217	23.37	24.50	1.297	0.281	/
	DSI8		Left Edge	10	20525	836.5	1	High	0.06	0.058	23.37	24.50	1.297	0.075	/
	DSI8		Right Edge	10	20525	836.5	1	High	-0.11	0.103	23.37	24.50	1.297	0.134	/
	DSI8		Bottom Edge	10	20525	836.5	1	High	-0.11	0.165	23.37	24.50	1.297	0.214	/
	DSI8		Front Side	10	20450	829	25	High	0.14	0.113	23.01	24.00	1.256	0.142	/
	DSI8		Back Side	10	20450	829	25	High	0.05	0.183	23.01	24.00	1.256	0.230	/
	DSI8		Left Edge	10	20450	829	25	High	-0.15	0.050	23.01	24.00	1.256	0.063	/
	DSI8		Right Edge	10	20450	829	25	High	0.03	0.086	23.01	24.00	1.256	0.108	/
	DSI8		Bottom Edge	10	20450	829	25	High	0.15	0.135	23.01	24.00	1.256	0.170	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.															

10.9LTE Band 7 (20MHz Bandwidth)

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	1 g Scaled SAR (W/kg)	Meas. No.
Head															
Ant.13	DSI5	QPSK	Left Cheek	0	21350	2560	1	Low	-0.06	0.451	17.90	18.50	1.148	0.518	/
	DSI5		Left Tilt	0	21350	2560	1	Low	0.09	0.528	17.90	18.50	1.148	0.606	/
	DSI5		Right Cheek	0	21350	2560	1	Low	-0.10	0.503	17.90	18.50	1.148	0.577	/
	DSI5		Right Tilt	0	21350	2560	1	Low	0.14	0.706	17.90	18.50	1.148	0.810	/
	DSI5		Left Cheek	0	21100	2535	50	High	0.15	0.448	17.64	18.50	1.219	0.546	/
	DSI5		Left Tilt	0	21100	2535	50	High	0.14	0.525	17.64	18.50	1.219	0.640	/
	DSI5		Right Cheek	0	21100	2535	50	High	0.01	0.501	17.64	18.50	1.219	0.611	/
	DSI5		Right Tilt	0	21100	2535	50	High	0.13	0.675	17.64	18.50	1.219	0.823	/
	DSI5		Right Tilt	0	20850	2510	1	High	0.08	0.682	17.68	18.50	1.208	0.824	/
	DSI5		Right Tilt	0	21100	2535	1	High	-0.05	0.706	17.81	18.50	1.172	0.827	25#
	DSI5		Right Tilt	0	20850	2510	50	High	0.09	0.653	17.50	18.50	1.259	0.822	/
	DSI5		Right Tilt	0	21350	2560	50	Low	0.15	0.650	17.46	18.50	1.271	0.826	/
	DSI5		Right Tilt	0	21100	2535	100	Low	0.07	0.658	17.59	18.50	1.233	0.811	/
Ant.13	DSI7	QPSK	Left Cheek	0	21100	2535	1	High	0.13	0.376	17.14	17.50	1.086	0.408	/
	DSI7		Left Tilt	0	21100	2535	1	High	0.14	0.440	17.14	17.50	1.086	0.478	/
	DSI7		Right Cheek	0	21100	2535	1	High	0.02	0.419	17.14	17.50	1.086	0.455	/
	DSI7		Right Tilt	0	21100	2535	1	High	-0.11	0.588	17.14	17.50	1.086	0.639	/
	DSI7		Left Cheek	0	21100	2535	50	High	-0.04	0.373	16.94	17.50	1.138	0.424	/
	DSI7		Left Tilt	0	21100	2535	50	High	0.06	0.438	16.94	17.50	1.138	0.498	/
	DSI7		Right Cheek	0	21100	2535	50	High	0.06	0.418	16.94	17.50	1.138	0.476	/
	DSI7		Right Tilt	0	21100	2535	50	High	-0.14	0.563	16.94	17.50	1.138	0.641	/
Ant.31	DSI5&7	QPSK	Left Cheek	0	21100	2535	1	Low	0.10	0.222	24.39	24.50	1.026	0.228	/
	DSI5&7		Left Tilt	0	21100	2535	1	Low	0.09	0.167	24.39	24.50	1.026	0.171	/
	DSI5&7		Right Cheek	0	21100	2535	1	Low	0.02	0.451	24.39	24.50	1.026	0.463	/
	DSI5&7		Right Tilt	0	21100	2535	1	Low	-0.15	0.196	24.39	24.50	1.026	0.201	/
	DSI5&7		Left Cheek	0	21100	2535	50	Low	0.10	0.183	23.13	23.50	1.089	0.199	/
	DSI5&7		Left Tilt	0	21100	2535	50	Low	-0.14	0.128	23.13	23.50	1.089	0.139	/
	DSI5&7		Right Cheek	0	21100	2535	50	Low	-0.10	0.368	23.13	23.50	1.089	0.401	/
	DSI5&7		Right Tilt	0	21100	2535	50	Low	0.15	0.161	23.13	23.50	1.089	0.175	/
Body-worn															
Ant.13	DSI6	QPSK	Front Side	15	21350	2560	1	Low	-0.10	0.104	18.95	20.00	1.274	0.132	/
	DSI6		Back Side	15	21350	2560	1	Low	0.09	0.267	18.95	20.00	1.274	0.340	26#
	DSI6		Front Side	15	21350	2560	50	High	-0.04	0.101	18.77	20.00	1.327	0.134	/
	DSI6		Back Side	15	21350	2560	50	High	-0.01	0.254	18.77	20.00	1.327	0.337	/
Ant.13	DSI8	QPSK	Front Side	15	21350	2560	1	Low	0.03	0.082	17.90	18.50	1.148	0.094	/
	DSI8		Back Side	15	21350	2560	1	Low	-0.09	0.214	17.90	18.50	1.148	0.246	/

	DSI8		Front Side	15	21100	2535	50	High	-0.06	0.078	17.64	18.50	1.219	0.095	/
	DSI8		Back Side	15	21100	2535	50	High	-0.06	0.202	17.64	18.50	1.219	0.246	/
Ant.31	DSI6	QPSK	Front Side	15	21100	2535	1	High	0.14	0.192	23.64	24.00	1.086	0.209	/
	DSI6		Back Side	15	21100	2535	1	High	-0.07	0.195	23.64	24.00	1.086	0.212	/
	DSI6		Front Side	15	21100	2535	50	Low	0.03	0.173	23.13	23.50	1.089	0.188	/
	DSI6		Back Side	15	21100	2535	50	Low	-0.15	0.179	23.13	23.50	1.089	0.195	/
Ant.31	DSI8	QPSK	Front Side	15	21100	2535	1	High	0.14	0.120	21.65	22.00	1.084	0.130	/
	DSI8		Back Side	15	21100	2535	1	High	0.10	0.123	21.65	22.00	1.084	0.133	/
	DSI8		Front Side	15	21100	2535	50	Low	0.11	0.122	21.64	22.00	1.086	0.132	/
	DSI8		Back Side	15	21100	2535	50	Low	-0.13	0.127	21.64	22.00	1.086	0.138	/
Hotspot															
Ant.13	DSI8	QPSK	Front Side	10	21350	2560	1	Low	-0.12	0.134	17.90	18.50	1.148	0.154	/
	DSI8		Back Side	10	21350	2560	1	Low	0.02	0.328	17.90	18.50	1.148	0.377	/
	DSI8		Right Edge	10	21350	2560	1	Low	0.02	0.045	17.90	18.50	1.148	0.052	/
	DSI8		Top Edge	10	21350	2560	1	Low	0.02	0.598	17.90	18.50	1.148	0.687	27#
	DSI8		Front Side	10	21100	2535	50	High	-0.01	0.137	17.64	18.50	1.219	0.167	/
	DSI8		Back Side	10	21100	2535	50	High	0.06	0.322	17.64	18.50	1.219	0.393	/
	DSI8		Right Edge	10	21100	2535	50	High	-0.10	0.051	17.64	18.50	1.219	0.062	/
	DSI8		Top Edge	10	21100	2535	50	High	-0.08	0.558	17.64	18.50	1.219	0.680	/
Ant.31	DSI8	QPSK	Front Side	10	21100	2535	1	High	0.03	0.267	21.65	22.00	1.084	0.289	/
	DSI8		Back Side	10	21100	2535	1	High	-0.08	0.281	21.65	22.00	1.084	0.305	/
	DSI8		Left Edge	10	21100	2535	1	High	-0.11	0.283	21.65	22.00	1.084	0.307	/
	DSI8		Right Edge	10	21100	2535	1	High	0.12	0.036	21.65	22.00	1.084	0.039	/
	DSI8		Bottom Edge	10	21100	2535	1	High	0.05	0.191	21.65	22.00	1.084	0.207	/
	DSI8		Front Side	10	21100	2535	25	Low	0.07	0.262	21.64	22.00	1.086	0.285	/
	DSI8		Back Side	10	21100	2535	25	Low	-0.14	0.293	21.64	22.00	1.086	0.318	/
	DSI8		Left Edge	10	21100	2535	25	Low	-0.12	0.288	21.64	22.00	1.086	0.313	/
	DSI8		Right Edge	10	21100	2535	25	Low	-0.01	0.035	21.64	22.00	1.086	0.038	/
	DSI8		Bottom Edge	10	21100	2535	25	Low	-0.10	0.184	21.64	22.00	1.086	0.200	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.															

10.10 LTE Band 13 (10MHz Bandwidth)

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	1 g Scaled SAR (W/kg)	Meas. No.
Head															
Ant.13	DSI5&7	QPSK	Left Cheek	0	23230	782	1	Low	-0.10	0.311	23.41	25.00	1.442	0.448	/
	DSI5&7		Left Tilt	0	23230	782	1	Low	0.06	0.304	23.41	25.00	1.442	0.438	/
	DSI5&7		Right Cheek	0	23230	782	1	Low	-0.05	0.454	23.41	25.00	1.442	0.655	28#
	DSI5&7		Right Tilt	0	23230	782	1	Low	0.13	0.414	23.41	25.00	1.442	0.597	/
	DSI5&7		Left Cheek	0	23230	782	25	Low	0.14	0.246	22.41	24.00	1.442	0.355	/
	DSI5&7		Left Tilt	0	23230	782	25	Low	-0.06	0.244	22.41	24.00	1.442	0.352	/
	DSI5&7		Right Cheek	0	23230	782	25	Low	0.04	0.359	22.41	24.00	1.442	0.518	/
	DSI5&7		Right Tilt	0	23230	782	25	Low	-0.04	0.325	22.41	24.00	1.442	0.469	/
Ant.31	DSI5&7	QPSK	Left Cheek	0	23230	782	1	High	0.05	0.089	23.62	25.00	1.374	0.122	/
	DSI5&7		Left Tilt	0	23230	782	1	High	-0.10	0.050	23.62	25.00	1.374	0.069	/
	DSI5&7		Right Cheek	0	23230	782	1	High	-0.09	0.095	23.62	25.00	1.374	0.131	/
	DSI5&7		Right Tilt	0	23230	782	1	High	-0.15	0.054	23.62	25.00	1.374	0.074	/
	DSI5&7		Left Cheek	0	23230	782	25	High	-0.13	0.077	22.70	24.00	1.349	0.104	/
	DSI5&7		Left Tilt	0	23230	782	25	High	0.07	0.039	22.70	24.00	1.349	0.053	/
	DSI5&7		Right Cheek	0	23230	782	25	High	-0.14	0.076	22.70	24.00	1.349	0.103	/
	DSI5&7		Right Tilt	0	23230	782	25	High	-0.10	0.042	22.70	24.00	1.349	0.057	/
Body-worn															
Ant.13	DSI6&8	QPSK	Front Side	15	23230	782	1	Low	0.10	0.089	23.41	25.00	1.442	0.128	/
	DSI6&8		Back Side	15	23230	782	1	Low	0.01	0.108	23.41	25.00	1.442	0.156	/
	DSI6&8		Front Side	15	23230	782	25	Low	-0.15	0.068	22.41	24.00	1.442	0.098	/
	DSI6&8		Back Side	15	23230	782	25	Low	0.11	0.083	22.41	24.00	1.442	0.120	/
Ant.31	DSI6&8	QPSK	Front Side	15	23230	782	1	High	-0.15	0.101	23.62	25.00	1.374	0.139	/
	DSI6&8		Back Side	15	23230	782	1	High	-0.01	0.119	23.62	25.00	1.374	0.164	29#
	DSI6&8		Front Side	15	23230	782	25	High	0.00	0.084	22.70	24.00	1.349	0.113	/
	DSI6&8		Back Side	15	23230	782	25	High	0.09	0.098	22.70	24.00	1.349	0.132	/
Hotspot															
Ant.13	DSI6&8	QPSK	Front Side	10	23230	782	1	Low	0.08	0.090	23.41	25.00	1.442	0.130	/
	DSI6&8		Back Side	10	23230	782	1	Low	0.06	0.103	23.41	25.00	1.442	0.149	/
	DSI6&8		Right Edge	10	23230	782	1	Low	0.12	0.095	23.41	25.00	1.442	0.137	/
	DSI6&8		Top Edge	10	23230	782	1	Low	-0.03	0.116	23.41	25.00	1.442	0.167	/
	DSI6&8		Front Side	10	23230	782	25	Low	-0.12	0.073	22.41	24.00	1.442	0.105	/
	DSI6&8		Back Side	10	23230	782	25	Low	-0.11	0.080	22.41	24.00	1.442	0.115	/
	DSI6&8		Right Edge	10	23230	782	25	Low	-0.15	0.069	22.41	24.00	1.442	0.099	/
	DSI6&8		Top Edge	10	23230	782	25	Low	-0.15	0.094	22.41	24.00	1.442	0.136	/
Ant.31	DSI6&8	QPSK	Front Side	10	23230	782	1	High	-0.11	0.101	23.62	25.00	1.374	0.139	/
	DSI6&8		Back Side	10	23230	782	1	High	-0.04	0.122	23.62	25.00	1.374	0.168	30#

	DSI6&8		Left Edge	10	23230	782	1	High	-0.14	0.086	23.62	25.00	1.374	0.118	/
	DSI6&8		Right Edge	10	23230	782	1	High	0.02	0.118	23.62	25.00	1.374	0.162	/
	DSI6&8		Bottom Edge	10	23230	782	1	High	0.03	0.103	23.62	25.00	1.374	0.142	/
	DSI6&8		Front Side	10	23230	782	25	High	0.00	0.086	22.70	24.00	1.349	0.116	/
	DSI6&8		Back Side	10	23230	782	25	High	0.00	0.105	22.70	24.00	1.349	0.142	/
	DSI6&8		Left Edge	10	23230	782	25	High	-0.13	0.071	22.70	24.00	1.349	0.096	/
	DSI6&8		Right Edge	10	23230	782	25	High	-0.07	0.100	22.70	24.00	1.349	0.135	/
	DSI6&8		Bottom Edge	10	23230	782	25	High	-0.14	0.088	22.70	24.00	1.349	0.119	/

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

10.11 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.13	DSI5	QPSK	Left Cheek	0	23925	822.5	1	Mid	0.05	0.503	22.39	24.00	1.449	0.729	/
	DSI5		Left Tilt	0	23925	822.5	1	Mid	-0.04	0.476	22.39	24.00	1.449	0.690	/
	DSI5		Right Cheek	0	23925	822.5	1	Mid	-0.15	0.672	22.39	24.00	1.449	0.974	31#
	DSI5		Right Tilt	0	23925	822.5	1	Mid	0.01	0.652	22.39	24.00	1.449	0.945	/
	DSI5		Left Cheek	0	23925	822.5	36	High	-0.09	0.487	22.51	24.00	1.409	0.686	/
	DSI5		Left Tilt	0	23925	822.5	36	High	0.15	0.462	22.51	24.00	1.409	0.651	/
	DSI5		Right Cheek	0	23925	822.5	36	High	-0.12	0.648	22.51	24.00	1.409	0.913	/
	DSI5		Right Tilt	0	23925	822.5	36	High	0.04	0.632	22.51	24.00	1.409	0.890	/
	DSI5		Right Cheek	0	23925	822.5	75	Low	0.06	0.630	22.47	24.00	1.422	0.896	/
	DSI5		Right Tilt	0	23925	822.5	75	Low	-0.03	0.605	22.47	24.00	1.422	0.860	/
Ant.13	DSI7	QPSK	Left Cheek	0	23925	822.5	1	Low	-0.04	0.396	21.50	23.00	1.413	0.560	/
	DSI7		Left Tilt	0	23925	822.5	1	Low	0.15	0.381	21.50	23.00	1.413	0.538	/
	DSI7		Right Cheek	0	23925	822.5	1	Low	0.07	0.535	21.50	23.00	1.413	0.756	/
	DSI7		Right Tilt	0	23925	822.5	1	Low	0.08	0.521	21.50	23.00	1.413	0.736	/
	DSI7		Left Cheek	0	23925	822.5	36	Low	0.02	0.396	21.62	23.00	1.374	0.544	/
	DSI7		Left Tilt	0	23925	822.5	36	Low	0.14	0.380	21.62	23.00	1.374	0.522	/
	DSI7		Right Cheek	0	23925	822.5	36	Low	0.06	0.528	21.62	23.00	1.374	0.725	/
	DSI7		Right Tilt	0	23925	822.5	36	Low	-0.14	0.518	21.62	23.00	1.374	0.712	/
Ant.31	DSI5&7	QPSK	Left Cheek	0	23925	822.5	1	Low	0.06	0.095	23.60	25.00	1.380	0.131	/
	DSI5&7		Left Tilt	0	23925	822.5	1	Low	0.11	0.049	23.60	25.00	1.380	0.068	/
	DSI5&7		Right Cheek	0	23925	822.5	1	Low	-0.05	0.088	23.60	25.00	1.380	0.121	/
	DSI5&7		Right Tilt	0	23925	822.5	1	Low	0.03	0.046	23.60	25.00	1.380	0.063	/
	DSI5&7		Left Cheek	0	23925	822.5	36	Mid	-0.01	0.083	22.57	24.00	1.390	0.115	/
	DSI5&7		Left Tilt	0	23925	822.5	36	Mid	0.03	0.044	22.57	24.00	1.390	0.061	/
	DSI5&7		Right Cheek	0	23925	822.5	36	Mid	-0.14	0.071	22.57	24.00	1.390	0.099	/
	DSI5&7		Right Tilt	0	23925	822.5	36	Mid	-0.01	0.035	22.57	24.00	1.390	0.049	/
Body-worn															
Ant.13	DSI6&8	QPSK	Front Side	15	23925	822.5	1	Mid	-0.04	0.060	23.33	25.00	1.469	0.088	/
	DSI6&8		Back Side	15	23925	822.5	1	Mid	-0.05	0.083	23.33	25.00	1.469	0.122	32#
	DSI6&8		Front Side	15	23925	822.5	36	Low	0.09	0.051	22.38	24.00	1.452	0.074	/
	DSI6&8		Back Side	15	23925	822.5	36	Low	0.09	0.068	22.38	24.00	1.452	0.099	/
Ant.31	DSI6&8	QPSK	Front Side	15	23925	822.5	1	Low	-0.12	0.078	23.60	25.00	1.380	0.108	/
	DSI6&8		Back Side	15	23925	822.5	1	Low	0.14	0.088	23.60	25.00	1.380	0.121	/
	DSI6&8		Front Side	15	23925	822.5	36	Mid	-0.08	0.061	22.57	24.00	1.390	0.085	/
	DSI6&8		Back Side	15	23925	822.5	36	Mid	0.14	0.069	22.57	24.00	1.390	0.096	/
Hotspot															

Ant.13	DSI8	QPSK	Front Side	10	23925	822.5	1	Mid	0.12	0.176	23.33	25.00	1.469	0.259	/
	DSI8		Back Side	10	23925	822.5	1	Mid	-0.06	0.226	23.33	25.00	1.469	0.332	33#
	DSI8		Right Edge	10	23925	822.5	1	Mid	0.12	0.090	23.33	25.00	1.469	0.132	/
	DSI8		Top Edge	10	23925	822.5	1	Mid	0.03	0.221	23.33	25.00	1.469	0.325	/
	DSI8		Front Side	10	23925	822.5	36	Low	-0.13	0.147	22.38	24.00	1.452	0.213	/
	DSI8		Back Side	10	23925	822.5	36	Low	-0.08	0.184	22.38	24.00	1.452	0.267	/
	DSI8		Right Edge	10	23925	822.5	36	Low	0.09	0.076	22.38	24.00	1.452	0.110	/
	DSI8		Top Edge	10	23925	822.5	36	Low	0.08	0.181	22.38	24.00	1.452	0.263	/
Ant.31	DSI8	QPSK	Front Side	10	23925	822.5	1	Low	-0.01	0.108	23.60	25.00	1.380	0.149	/
	DSI8		Back Side	10	23925	822.5	1	Low	-0.04	0.185	23.60	25.00	1.380	0.255	/
	DSI8		Left Edge	10	23925	822.5	1	Low	-0.07	0.055	23.60	25.00	1.380	0.076	/
	DSI8		Right Edge	10	23925	822.5	1	Low	-0.09	0.103	23.60	25.00	1.380	0.142	/
	DSI8		Bottom Edge	10	23925	822.5	1	Low	-0.15	0.131	23.60	25.00	1.380	0.181	/
	DSI8		Front Side	10	23925	822.5	36	Mid	-0.02	0.092	22.57	24.00	1.390	0.128	/
	DSI8		Back Side	10	23925	822.5	36	Mid	0.00	0.153	22.57	24.00	1.390	0.213	/
	DSI8		Left Edge	10	23925	822.5	36	Mid	0.12	0.000	22.57	24.00	1.390	0.000	/
	DSI8		Right Edge	10	23925	822.5	36	Mid	0.06	0.086	22.57	24.00	1.390	0.120	/
	DSI8		Bottom Edge	10	23925	822.5	36	Mid	-0.04	0.111	22.57	24.00	1.390	0.154	/

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

10.12 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.13	DSI5	QPSK	Left Cheek	0	24075	837.5	1	Low	0.15	0.420	21.96	23.00	1.271	0.534	/
	DSI5		Left Tilt	0	24075	837.5	1	Low	0.12	0.391	21.96	23.00	1.271	0.497	/
	DSI5		Right Cheek	0	24075	837.5	1	Low	-0.09	0.586	21.96	23.00	1.271	0.745	34#
	DSI5		Right Tilt	0	24075	837.5	1	Low	0.01	0.509	21.96	23.00	1.271	0.647	/
	DSI5		Left Cheek	0	24075	837.5	36	Low	-0.15	0.420	22.06	23.00	1.242	0.522	/
	DSI5		Left Tilt	0	24075	837.5	36	Low	0.00	0.389	22.06	23.00	1.242	0.483	/
	DSI5		Right Cheek	0	24075	837.5	36	Low	0.13	0.578	22.06	23.00	1.242	0.718	/
	DSI5		Right Tilt	0	24075	837.5	36	Low	0.09	0.504	22.06	23.00	1.242	0.626	/
Ant.13	DSI7	QPSK	Left Cheek	0	24075	837.5	1	Mid	-0.14	0.332	21.01	22.00	1.256	0.417	/
	DSI7		Left Tilt	0	24075	837.5	1	Mid	0.05	0.308	21.01	22.00	1.256	0.387	/
	DSI7		Right Cheek	0	24075	837.5	1	Mid	-0.11	0.465	21.01	22.00	1.256	0.584	/
	DSI7		Right Tilt	0	24075	837.5	1	Mid	0.14	0.401	21.01	22.00	1.256	0.504	/
	DSI7		Left Cheek	0	24075	837.5	36	High	-0.08	0.336	21.22	22.00	1.197	0.402	/
	DSI7		Left Tilt	0	24075	837.5	36	High	-0.04	0.306	21.22	22.00	1.197	0.366	/
	DSI7		Right Cheek	0	24075	837.5	36	High	-0.03	0.461	21.22	22.00	1.197	0.552	/
	DSI7		Right Tilt	0	24075	837.5	36	High	0.06	0.400	21.22	22.00	1.197	0.479	/
Ant.31	DSI5&7	QPSK	Left Cheek	0	24075	837.5	1	Low	0.12	0.128	23.75	25.00	1.334	0.171	/
	DSI5&7		Left Tilt	0	24075	837.5	1	High	-0.11	0.061	23.75	25.00	1.334	0.081	/
	DSI5&7		Right Cheek	0	24075	837.5	1	High	0.05	0.116	23.75	25.00	1.334	0.155	/
	DSI5&7		Right Tilt	0	24075	837.5	1	High	0.09	0.058	23.75	25.00	1.334	0.077	/
	DSI5&7		Left Cheek	0	24075	837.5	36	Low	-0.11	0.108	22.64	24.00	1.368	0.148	/
	DSI5&7		Left Tilt	0	24075	837.5	36	Low	0.08	0.054	22.64	24.00	1.368	0.074	/
	DSI5&7		Right Cheek	0	24075	837.5	36	Low	-0.04	0.090	22.64	24.00	1.368	0.123	/
	DSI5&7		Right Tilt	0	24075	837.5	36	Low	0.11	0.043	22.64	24.00	1.368	0.059	/
Body-worn															
Ant.13	DSI6&8	QPSK	Front Side	15	24075	837.5	1	High	0.04	0.067	23.61	25.00	1.377	0.092	/
	DSI6&8		Back Side	15	24075	837.5	1	High	-0.03	0.088	23.61	25.00	1.377	0.121	35#
	DSI6&8		Front Side	15	24075	837.5	36	Low	-0.08	0.055	22.64	24.00	1.368	0.075	/
	DSI6&8		Back Side	15	24075	837.5	36	Low	-0.06	0.071	22.64	24.00	1.368	0.097	/
Ant.31	DSI6	QPSK	Front Side	15	24075	837.5	1	High	-0.07	0.079	23.75	25.00	1.334	0.105	/
	DSI6		Back Side	15	24075	837.5	1	High	-0.07	0.090	23.75	25.00	1.334	0.120	/
	DSI6		Front Side	15	24075	837.5	36	Low	0.09	0.065	22.64	24.00	1.368	0.089	/
	DSI6		Back Side	15	24075	837.5	36	Low	-0.11	0.072	22.64	24.00	1.368	0.098	/
Ant.31	DSI8	QPSK	Front Side	15	24075	837.5	1	High	0.02	0.071	23.28	24.50	1.324	0.094	/
	DSI8		Back Side	15	24075	837.5	1	High	0.04	0.083	23.28	24.50	1.324	0.110	/
	DSI8		Front Side	15	24075	837.5	36	Low	-0.14	0.065	22.73	24.00	1.340	0.087	/

	DSI8		Back Side	15	24075	837.5	36	Low	-0.06	0.071	22.73	24.00	1.340	0.095	/
Hotspot															
Ant.13	DSI8	QPSK	Front Side	10	24075	837.5	1	High	-0.06	0.204	23.61	25.00	1.377	0.281	/
	DSI8		Back Side	10	24075	837.5	1	High	-0.14	0.249	23.61	25.00	1.377	0.343	36#
	DSI8		Right Edge	10	24075	837.5	1	High	-0.02	0.118	23.61	25.00	1.377	0.162	/
	DSI8		Top Edge	10	24075	837.5	1	High	-0.10	0.231	23.61	25.00	1.377	0.318	/
	DSI8		Front Side	10	24075	837.5	36	Low	0.03	0.175	22.64	24.00	1.368	0.239	/
	DSI8		Back Side	10	24075	837.5	36	Low	-0.13	0.216	22.64	24.00	1.368	0.295	/
	DSI8		Right Edge	10	24075	837.5	36	Low	-0.07	0.097	22.64	24.00	1.368	0.133	/
	DSI8		Top Edge	10	24075	837.5	36	Low	-0.07	0.192	22.64	24.00	1.368	0.263	/
Ant.31	DSI8	QPSK	Front Side	10	24075	837.5	1	High	-0.12	0.139	23.28	24.50	1.324	0.184	/
	DSI8		Back Side	10	24075	837.5	1	High	-0.01	0.218	23.28	24.50	1.324	0.289	/
	DSI8		Left Edge	10	24075	837.5	1	High	0.05	0.061	23.28	24.50	1.324	0.081	/
	DSI8		Right Edge	10	24075	837.5	1	High	0.12	0.110	23.28	24.50	1.324	0.146	/
	DSI8		Bottom Edge	10	24075	837.5	1	High	-0.02	0.182	23.28	24.50	1.324	0.241	/
	DSI8		Front Side	10	24075	837.5	36	Low	-0.04	0.156	22.73	24.00	1.340	0.209	/
	DSI8		Back Side	10	24075	837.5	36	Low	-0.02	0.205	22.73	24.00	1.340	0.275	/
	DSI8		Left Edge	10	24075	837.5	36	Low	-0.01	0.057	22.73	24.00	1.340	0.076	/
	DSI8		Right Edge	10	24075	837.5	36	Low	-0.13	0.101	22.73	24.00	1.340	0.135	/
	DSI8		Bottom Edge	10	24075	837.5	36	Low	0.01	0.171	22.73	24.00	1.340	0.229	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.															

10.13 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.13	DSI5	QPSK	Left Cheek	0	26965	841.5	1	High	0.12	0.464	22.07	23.50	1.390	0.645	/
	DSI5		Left Tilt	0	26965	841.5	1	High	-0.06	0.489	22.07	23.50	1.390	0.680	/
	DSI5		Right Cheek	0	26965	841.5	1	High	-0.02	0.628	22.07	23.50	1.390	0.873	37#
	DSI5		Right Tilt	0	26965	841.5	1	High	-0.07	0.551	22.07	23.50	1.390	0.766	/
	DSI5		Left Cheek	0	26865	831.5	36	Low	0.03	0.456	22.05	23.50	1.396	0.637	/
	DSI5		Left Tilt	0	26865	831.5	36	Low	-0.01	0.482	22.05	23.50	1.396	0.673	/
	DSI5		Right Cheek	0	26865	831.5	36	Low	-0.15	0.621	22.05	23.50	1.396	0.867	/
	DSI5		Right Tilt	0	26865	831.5	36	Low	0.07	0.539	22.05	23.50	1.396	0.752	/
	DSI5		Right Cheek	0	26765	821.5	1	Mid	-0.14	0.605	21.94	23.50	1.432	0.866	/
	DSI5		Right Cheek	0	26865	831.5	1	High	0.11	0.608	22.05	23.50	1.396	0.849	/
	DSI5		Right Cheek	0	26765	821.5	36	High	0.06	0.586	21.80	23.50	1.479	0.867	/
	DSI5		Right Cheek	0	26965	841.5	36	Mid	0.07	0.603	21.93	23.50	1.435	0.865	/
	DSI5		Right Cheek	0	26965	841.5	75	Low	-0.14	0.604	21.92	23.50	1.439	0.869	/
	Ant.13		DSI7	QPSK	Left Cheek	0	26865	831.5	1	High	0.08	0.362	21.46	22.50	1.271
DSI7		Left Tilt	0		26865	831.5	1	High	0.00	0.385	21.46	22.50	1.271	0.489	/
DSI7		Right Cheek	0		26865	831.5	1	High	-0.08	0.493	21.46	22.50	1.271	0.627	/
DSI7		Right Tilt	0		26865	831.5	1	High	-0.13	0.439	21.46	22.50	1.271	0.558	/
DSI7		Left Cheek	0		26865	831.5	36	Mid	0.03	0.360	21.53	22.50	1.250	0.450	/
DSI7		Left Tilt	0		26865	831.5	36	Mid	-0.06	0.378	21.53	22.50	1.250	0.473	/
DSI7		Right Cheek	0		26865	831.5	36	Mid	-0.12	0.486	21.53	22.50	1.250	0.608	/
DSI7		Right Tilt	0		26865	831.5	36	Mid	-0.07	0.425	21.53	22.50	1.250	0.531	/
Ant.31	DSI5&7	QPSK	Left Cheek	0	26765	821.5	1	Low	0.10	0.108	23.65	25.00	1.365	0.147	/
	DSI5&7		Left Tilt	0	26765	821.5	1	Low	-0.07	0.046	23.65	25.00	1.365	0.063	/
	DSI5&7		Right Cheek	0	26765	821.5	1	Low	0.06	0.102	23.65	25.00	1.365	0.139	/
	DSI5&7		Right Tilt	0	26765	821.5	1	Low	0.05	0.045	23.65	25.00	1.365	0.061	/
	DSI5&7		Left Cheek	0	26865	831.5	36	Low	0.12	0.092	22.76	24.00	1.330	0.122	/
	DSI5&7		Left Tilt	0	26865	831.5	36	Low	-0.04	0.036	22.76	24.00	1.330	0.048	/
	DSI5&7		Right Cheek	0	26865	831.5	36	Low	0.14	0.079	22.76	24.00	1.330	0.105	/
	DSI5&7		Right Tilt	0	26865	831.5	36	Low	0.07	0.035	22.76	24.00	1.330	0.047	/
Body-worn															
Ant.13	DSI6&8	QPSK	Front Side	15	26965	841.5	1	High	0.10	0.128	23.53	25.00	1.403	0.180	/
	DSI6&8		Back Side	15	26965	841.5	1	High	-0.01	0.171	23.53	25.00	1.403	0.240	38#
	DSI6&8		Front Side	15	26865	831.5	36	Low	-0.15	0.106	22.53	24.00	1.403	0.149	/
	DSI6&8		Back Side	15	26865	831.5	36	Low	0.13	0.139	22.53	24.00	1.403	0.195	/
Ant.31	DSI6	QPSK	Front Side	15	26765	821.5	1	Low	-0.05	0.092	23.65	25.00	1.365	0.126	/
	DSI6		Back Side	15	26765	821.5	1	Low	-0.15	0.101	23.65	25.00	1.365	0.138	/

	DSI6		Front Side	15	26865	831.5	36	Low	0.07	0.075	22.76	24.00	1.330	0.100	/
	DSI6		Back Side	15	26865	831.5	36	Low	-0.03	0.083	22.76	24.00	1.330	0.110	/
Ant.31	DSI8	QPSK	Front Side	15	26765	821.5	1	Low	-0.05	0.081	23.22	24.50	1.343	0.109	/
	DSI8		Back Side	15	26765	821.5	1	Low	-0.05	0.089	23.22	24.50	1.343	0.120	/
	DSI8		Front Side	15	26865	831.5	36	Low	-0.03	0.075	22.86	24.00	1.300	0.098	/
	DSI8		Back Side	15	26865	831.5	36	Low	0.15	0.082	22.86	24.00	1.300	0.107	/
Hotspot															
Ant.13	DSI8	QPSK	Front Side	10	26965	841.5	1	High	0.14	0.186	23.53	25.00	1.403	0.261	/
	DSI8		Back Side	10	26965	841.5	1	High	-0.01	0.249	23.53	25.00	1.403	0.349	39#
	DSI8		Right Edge	10	26965	841.5	1	High	0.11	0.101	23.53	25.00	1.403	0.142	/
	DSI8		Top Edge	10	26965	841.5	1	High	0.15	0.219	23.53	25.00	1.403	0.307	/
	DSI8		Front Side	10	26865	831.5	36	Low	0.00	0.161	22.53	24.00	1.403	0.226	/
	DSI8		Back Side	10	26865	831.5	36	Low	0.05	0.211	22.53	24.00	1.403	0.296	/
	DSI8		Right Edge	10	26865	831.5	36	Low	-0.04	0.082	22.53	24.00	1.403	0.115	/
	DSI8		Top Edge	10	26865	831.5	36	Low	-0.04	0.176	22.53	24.00	1.403	0.247	/
Ant.31	DSI8	QPSK	Front Side	10	26865	831.5	1	Low	0.05	0.117	23.22	24.50	1.343	0.157	/
	DSI8		Back Side	10	26865	831.5	1	Low	0.06	0.196	23.22	24.50	1.343	0.263	/
	DSI8		Left Edge	10	26865	831.5	1	Low	-0.14	0.053	23.22	24.50	1.343	0.071	/
	DSI8		Right Edge	10	26865	831.5	1	Low	-0.01	0.110	23.22	24.50	1.343	0.148	/
	DSI8		Bottom Edge	10	26865	831.5	1	Low	-0.01	0.153	23.22	24.50	1.343	0.205	/
	DSI8		Front Side	10	26865	831.5	36	Low	-0.14	0.118	22.86	24.00	1.300	0.153	/
	DSI8		Back Side	10	26865	831.5	36	Low	-0.06	0.190	22.86	24.00	1.300	0.247	/
	DSI8		Left Edge	10	26865	831.5	36	Low	0.05	0.049	22.86	24.00	1.300	0.064	/
	DSI8		Right Edge	10	26865	831.5	36	Low	-0.04	0.099	22.86	24.00	1.300	0.129	/
	DSI8		Bottom Edge	10	26865	831.5	36	Low	0.03	0.148	22.86	24.00	1.300	0.192	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.															

10.14 LTE Band 66 (20MHz Bandwidth)

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	1 g Scaled SAR (W/kg)	Meas. No.
Head															
Ant.13	DSI5	QPSK	Left Cheek	0	132572	1770	1	High	-0.06	0.367	19.87	20.00	1.030	0.378	/
	DSI5		Left Tilt	0	132572	1770	1	High	-0.09	0.477	19.87	20.00	1.030	0.491	/
	DSI5		Right Cheek	0	132572	1770	1	High	0.09	0.574	19.87	20.00	1.030	0.591	/
	DSI5		Right Tilt	0	132572	1770	1	High	0.02	0.722	19.87	20.00	1.030	0.744	40#
	DSI5		Left Cheek	0	132572	1770	50	High	0.05	0.365	19.52	20.00	1.117	0.408	/
	DSI5		Left Tilt	0	132572	1770	50	High	-0.10	0.470	19.52	20.00	1.117	0.525	/
	DSI5		Right Cheek	0	132572	1770	50	High	0.10	0.568	19.52	20.00	1.117	0.634	/
	DSI5		Right Tilt	0	132572	1770	50	High	0.02	0.662	19.52	20.00	1.117	0.739	/
Ant.13	DSI7	QPSK	Left Cheek	0	132072	1720	1	High	0.00	0.293	18.85	19.00	1.035	0.303	/
	DSI7		Left Tilt	0	132072	1720	1	High	0.06	0.376	18.85	19.00	1.035	0.389	/
	DSI7		Right Cheek	0	132072	1720	1	High	-0.12	0.452	18.85	19.00	1.035	0.468	/
	DSI7		Right Tilt	0	132072	1720	1	High	-0.06	0.573	18.85	19.00	1.035	0.593	/
	DSI7		Left Cheek	0	132072	1720	50	High	-0.14	0.289	19.00	19.00	1.000	0.289	/
	DSI7		Left Tilt	0	132072	1720	50	High	0.08	0.376	19.00	19.00	1.000	0.376	/
	DSI7		Right Cheek	0	132072	1720	50	High	0.02	0.453	19.00	19.00	1.000	0.453	/
	DSI7		Right Tilt	0	132072	1720	50	High	-0.07	0.568	19.00	19.00	1.000	0.568	/
Ant.31	Off	QPSK	Left Cheek	0	132322	1745	1	High	-0.05	0.075	24.08	25.00	1.236	0.093	/
	Off		Left Tilt	0	132322	1745	1	High	-0.09	0.039	24.08	25.00	1.236	0.048	/
	Off		Right Cheek	0	132322	1745	1	High	0.08	0.052	24.08	25.00	1.236	0.064	/
	Off		Right Tilt	0	132322	1745	1	High	-0.12	0.038	24.08	25.00	1.236	0.047	/
	Off		Left Cheek	0	132322	1745	50	Low	-0.03	0.062	22.76	24.00	1.330	0.082	/
	Off		Left Tilt	0	132322	1745	50	Low	-0.04	0.031	22.76	24.00	1.330	0.041	/
	Off		Right Cheek	0	132322	1745	50	Low	-0.14	0.036	22.76	24.00	1.330	0.048	/
	Off		Right Tilt	0	132322	1745	50	Low	0.14	0.028	22.76	24.00	1.330	0.037	/
Body-worn															
Ant.13	DSI6	QPSK	Front Side	15	132322	1745	1	Mid	0.09	0.107	20.58	22.00	1.387	0.148	/
	DSI6		Back Side	15	132322	1745	1	Mid	-0.04	0.138	20.58	22.00	1.387	0.191	/
	DSI6		Front Side	15	132322	1745	50	Mid	-0.06	0.105	20.45	22.00	1.429	0.150	/
	DSI6		Back Side	15	132322	1745	50	Mid	-0.05	0.132	20.45	22.00	1.429	0.189	/
Ant.13	DSI8	QPSK	Front Side	15	132572	1770	1	High	0.07	0.087	20.31	20.50	1.045	0.091	/
	DSI8		Back Side	15	132572	1770	1	High	0.03	0.117	20.31	20.50	1.045	0.122	/
	DSI8		Front Side	15	132572	1770	50	High	-0.09	0.085	19.98	20.50	1.127	0.096	/
	DSI8		Back Side	15	132572	1770	50	High	0.06	0.115	19.98	20.50	1.127	0.130	/
Ant.31	DSI6	QPSK	Front Side	15	132322	1745	1	Mid	0.00	0.079	20.97	22.00	1.268	0.100	/
	DSI6		Back Side	15	132322	1745	1	Mid	0.05	0.152	20.97	22.00	1.268	0.193	41#
	DSI6		Front Side	15	132072	1720	50	High	0.08	0.075	20.72	22.00	1.343	0.101	/

	DSI6		Back Side	15	132072	1720	50	High	0.14	0.138	20.72	22.00	1.343	0.185	/
Ant.31	DSI8	QPSK	Front Side	15	132322	1745	1	Mid	-0.01	0.063	20.23	20.50	1.064	0.067	/
	DSI8		Back Side	15	132322	1745	1	Mid	0.13	0.121	20.23	20.50	1.064	0.129	/
	DSI8		Front Side	15	132072	1720	50	High	0.00	0.058	19.97	20.50	1.130	0.066	/
	DSI8		Back Side	15	132072	1720	50	High	-0.07	0.116	19.97	20.50	1.130	0.131	/
Hotspot															
Ant.13	DSI8	QPSK	Front Side	10	132572	1770	1	High	-0.02	0.163	20.31	20.50	1.045	0.170	/
	DSI8		Back Side	10	132572	1770	1	High	-0.10	0.230	20.31	20.50	1.045	0.240	/
	DSI8		Right Edge	10	132572	1770	1	High	0.09	0.065	20.31	20.50	1.045	0.068	/
	DSI8		Top Edge	10	132572	1770	1	High	0.10	0.363	20.31	20.50	1.045	0.379	42#
	DSI8		Front Side	10	132572	1770	50	High	0.10	0.150	19.98	20.50	1.127	0.169	/
	DSI8		Back Side	10	132572	1770	50	High	-0.13	0.214	19.98	20.50	1.127	0.241	/
	DSI8		Right Edge	10	132572	1770	50	High	0.07	0.060	19.98	20.50	1.127	0.068	/
	DSI8		Top Edge	10	132572	1770	50	High	-0.04	0.328	19.98	20.50	1.127	0.370	/
Ant.31	DSI8	QPSK	Front Side	10	132322	1745	1	Mid	0.12	0.108	20.23	20.50	1.064	0.115	/
	DSI8		Back Side	10	132322	1745	1	Mid	0.04	0.243	20.23	20.50	1.064	0.259	/
	DSI8		Left Edge	10	132322	1745	1	Mid	0.01	0.045	20.23	20.50	1.064	0.048	/
	DSI8		Right Edge	10	132322	1745	1	Mid	-0.14	0.019	20.23	20.50	1.064	0.020	/
	DSI8		Bottom Edge	10	132322	1745	1	Mid	0.13	0.316	20.23	20.50	1.064	0.336	/
	DSI8		Front Side	10	132072	1720	50	High	0.10	0.106	19.97	20.50	1.130	0.120	/
	DSI8		Back Side	10	132072	1720	50	High	0.02	0.238	19.97	20.50	1.130	0.269	/
	DSI8		Left Edge	10	132072	1720	50	High	0.06	0.046	19.97	20.50	1.130	0.052	/
	DSI8		Right Edge	10	132072	1720	50	High	-0.15	0.017	19.97	20.50	1.130	0.019	/
	DSI8		Bottom Edge	10	132072	1720	50	High	-0.13	0.305	19.97	20.50	1.130	0.345	/
	Note: Refer to ANNEX C for the detailed test data for each test configuration.														

10.15 LTE Band 38 (20MHz Bandwidth)

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	1 g Scaled SAR (W/kg)	Meas. No.
Head															
Ant.13	DSI5	QPSK	Left Cheek	0	38150	2610	1	Low	0.06	0.432	20.33	21.00	1.167	0.504	/
	DSI5		Left Tilt	0	38150	2610	1	Low	-0.12	0.459	20.33	21.00	1.167	0.536	/
	DSI5		Right Cheek	0	38150	2610	1	Low	0.11	0.452	20.33	21.00	1.167	0.527	/
	DSI5		Right Tilt	0	38150	2610	1	Low	-0.11	0.688	20.33	21.00	1.167	0.803	/
	DSI5		Left Cheek	0	38000	2595	50	Mid	0.01	0.431	20.17	21.00	1.211	0.522	/
	DSI5		Left Tilt	0	38000	2595	50	Mid	0.10	0.456	20.17	21.00	1.211	0.552	/
	DSI5		Right Cheek	0	38000	2595	50	Mid	-0.01	0.680	20.17	21.00	1.211	0.823	/
	DSI5		Right Tilt	0	38000	2595	50	Mid	-0.07	0.429	20.17	21.00	1.211	0.520	/
	DSI5		Right Tilt	0	37850	2580	1	High	0.03	0.658	20.05	21.00	1.245	0.819	/
	DSI5		Right Tilt	0	38000	2595	1	Low	-0.10	0.670	20.10	21.00	1.230	0.824	43#
	DSI5		Right Tilt	0	37850	2580	50	High	-0.10	0.671	20.15	21.00	1.216	0.816	/
	DSI5		Right Tilt	0	38150	2610	50	Mid	0.13	0.654	20.11	21.00	1.227	0.802	/
	DSI5		Right Tilt	0	38150	2610	100	Low	0.02	0.638	20.17	21.00	1.211	0.773	/
Ant.13	DSI7	QPSK	Left Cheek	0	38150	2610	1	High	0.12	0.322	19.02	20.00	1.253	0.403	/
	DSI7		Left Tilt	0	38150	2610	1	High	0.11	0.341	19.02	20.00	1.253	0.427	/
	DSI7		Right Cheek	0	38150	2610	1	High	0.15	0.330	19.02	20.00	1.253	0.413	/
	DSI7		Right Tilt	0	38150	2610	1	High	0.13	0.508	19.02	20.00	1.253	0.637	/
	DSI7		Left Cheek	0	38000	2595	50	High	-0.05	0.324	18.65	20.00	1.365	0.442	/
	DSI7		Left Tilt	0	38000	2595	50	High	0.11	0.336	18.65	20.00	1.365	0.459	/
	DSI7		Right Cheek	0	38000	2595	50	High	-0.15	0.508	18.65	20.00	1.365	0.693	/
	DSI7		Right Tilt	0	38000	2595	50	High	-0.03	0.328	18.65	20.00	1.365	0.448	/
Ant.31	DSI5&7	QPSK	Left Cheek	0	37850	2580	1	Low	-0.13	0.108	24.38	25.00	1.153	0.125	/
	DSI5&7		Left Tilt	0	37850	2580	1	Low	0.09	0.079	24.38	25.00	1.153	0.091	/
	DSI5&7		Right Cheek	0	37850	2580	1	Low	-0.02	0.215	24.38	25.00	1.153	0.248	/
	DSI5&7		Right Tilt	0	37850	2580	1	Low	-0.07	0.091	24.38	25.00	1.153	0.105	/
	DSI5&7		Left Cheek	0	37850	2580	50	High	0.01	0.096	23.29	24.00	1.178	0.113	/
	DSI5&7		Left Tilt	0	37850	2580	50	High	-0.07	0.052	23.29	24.00	1.178	0.061	/
	DSI5&7		Right Cheek	0	37850	2580	50	High	-0.15	0.173	23.29	24.00	1.178	0.204	/
	DSI5&7		Right Tilt	0	37850	2580	50	High	0.08	0.075	23.29	24.00	1.178	0.088	/
Body-worn															
Ant.13	DSI6	QPSK	Front Side	15	38150	2610	1	Mid	-0.01	0.096	20.80	21.50	1.175	0.113	/
	DSI6		Back Side	15	38150	2610	1	Mid	0.01	0.224	20.80	21.50	1.175	0.263	44#
	DSI6		Front Side	15	38000	2595	50	High	-0.04	0.094	20.67	21.50	1.211	0.114	/
	DSI6		Back Side	15	38000	2595	50	High	-0.03	0.216	20.67	21.50	1.211	0.262	/
Ant.13	DSI8	QPSK	Front Side	15	38150	2610	1	High	0.07	0.066	19.02	20.00	1.253	0.083	/
	DSI8		Back Side	15	38150	2610	1	High	-0.11	0.155	19.02	20.00	1.253	0.194	/

	DSI8		Front Side	15	38000	2595	50	High	0.09	0.065	18.65	20.00	1.365	0.089	/
	DSI8		Back Side	15	38000	2595	50	High	0.02	0.149	18.65	20.00	1.365	0.203	/
Ant.31	DSI6	QPSK	Front Side	15	37850	2580	1	Low	0.06	0.109	24.38	25.00	1.153	0.126	/
	DSI6		Back Side	15	37850	2580	1	Low	0.00	0.112	24.38	25.00	1.153	0.129	/
	DSI6		Front Side	15	37850	2580	50	High	0.01	0.093	23.29	24.00	1.178	0.110	/
	DSI6		Back Side	15	37850	2580	50	High	-0.06	0.095	23.29	24.00	1.178	0.112	/
Ant.31	DSI8	QPSK	Front Side	15	38150	2610	1	Mid	0.10	0.079	22.91	23.50	1.146	0.091	/
	DSI8		Back Side	15	38150	2610	1	Mid	0.00	0.081	22.91	23.50	1.146	0.093	/
	DSI8		Front Side	15	38000	2595	50	Low	0.04	0.080	22.78	23.50	1.180	0.094	/
	DSI8		Back Side	15	38000	2595	50	Low	0.07	0.083	22.78	23.50	1.180	0.098	/
Hotspot															
Ant.13	DSI8	QPSK	Front Side	10	38150	2610	1	High	-0.03	0.101	19.02	20.00	1.253	0.127	/
	DSI8		Back Side	10	38150	2610	1	High	0.06	0.249	19.02	20.00	1.253	0.312	/
	DSI8		Right Edge	10	38150	2610	1	High	-0.07	0.033	19.02	20.00	1.253	0.041	/
	DSI8		Top Edge	10	38150	2610	1	High	0.05	0.461	19.02	20.00	1.253	0.578	45#
	DSI8		Front Side	10	38000	2595	50	High	-0.05	0.102	18.65	20.00	1.365	0.139	/
	DSI8		Back Side	10	38000	2595	50	High	-0.08	0.246	18.65	20.00	1.365	0.336	/
	DSI8		Right Edge	10	38000	2595	50	High	-0.08	0.031	18.65	20.00	1.365	0.042	/
	DSI8		Top Edge	10	38000	2595	50	High	-0.05	0.421	18.65	20.00	1.365	0.575	/
Ant.31	DSI8	QPSK	Front Side	10	38150	2610	1	Mid	-0.07	0.239	22.91	23.50	1.146	0.274	/
	DSI8		Back Side	10	38150	2610	1	Mid	0.15	0.251	22.91	23.50	1.146	0.288	/
	DSI8		Left Edge	10	38150	2610	1	Mid	-0.11	0.250	22.91	23.50	1.146	0.287	/
	DSI8		Right Edge	10	38150	2610	1	Mid	0.07	0.031	22.91	23.50	1.146	0.036	/
	DSI8		Bottom Edge	10	38150	2610	1	Mid	-0.01	0.168	22.91	23.50	1.146	0.193	/
	DSI8		Front Side	10	38000	2595	50	Low	-0.12	0.235	22.78	23.50	1.180	0.277	/
	DSI8		Back Side	10	38000	2595	50	Low	-0.02	0.256	22.78	23.50	1.180	0.302	/
	DSI8		Left Edge	10	38000	2595	50	Low	-0.10	0.251	22.78	23.50	1.180	0.296	/
	DSI8		Right Edge	10	38000	2595	50	Low	0.06	0.030	22.78	23.50	1.180	0.035	/
	DSI8		Bottom Edge	10	38000	2595	50	Low	0.03	0.165	22.78	23.50	1.180	0.195	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.															

10.16 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.13	DSI5	QPSK	Left Cheek	0	40140	2545	1	High	0.07	0.439	20.00	21.00	1.259	0.553	/
	DSI5		Left Tilt	0	40140	2545	1	High	0.10	0.465	20.00	21.00	1.259	0.585	/
	DSI5		Right Cheek	0	40140	2545	1	High	0.07	0.462	20.00	21.00	1.259	0.582	/
	DSI5		Right Tilt	0	40140	2545	1	High	0.08	0.695	20.00	21.00	1.259	0.875	/
	DSI5		Left Cheek	0	40640	2595	50	High	0.12	0.436	20.04	21.00	1.247	0.544	/
	DSI5		Left Tilt	0	40640	2595	50	High	0.05	0.463	20.04	21.00	1.247	0.577	/
	DSI5		Right Cheek	0	40640	2595	50	High	-0.07	0.684	20.04	21.00	1.247	0.853	/
	DSI5		Right Tilt	0	40640	2595	50	High	-0.06	0.438	20.04	21.00	1.247	0.546	/
	DSI5		Right Tilt	0	40640	2595	1	Mid	-0.11	0.693	19.99	21.00	1.262	0.875	/
	DSI5		Right Tilt	0	41140	2645	1	Mid	0.05	0.708	19.85	21.00	1.303	0.923	46#
	DSI5		Right Tilt	0	40140	2545	50	Low	0.02	0.700	19.83	21.00	1.309	0.916	/
	DSI5		Right Tilt	0	41140	2645	50	Low	0.01	0.688	19.98	21.00	1.265	0.870	/
	DSI5		Right Tilt	0	40640	2595	100	Low	0.05	0.691	20.01	21.00	1.256	0.868	/
Ant.13	DSI7	QPSK	Left Cheek	0	41140	2645	1	Mid	0.12	0.315	18.74	20.00	1.337	0.421	/
	DSI7		Left Tilt	0	41140	2645	1	Mid	-0.02	0.332	18.74	20.00	1.337	0.444	/
	DSI7		Right Cheek	0	41140	2645	1	Mid	0.14	0.325	18.74	20.00	1.337	0.435	/
	DSI7		Right Tilt	0	41140	2645	1	Mid	-0.04	0.491	18.74	20.00	1.337	0.656	/
	DSI7		Left Cheek	0	40140	2545	50	High	-0.05	0.305	18.69	20.00	1.352	0.412	/
	DSI7		Left Tilt	0	40140	2545	50	High	-0.15	0.326	18.69	20.00	1.352	0.441	/
	DSI7		Right Cheek	0	40140	2545	50	High	-0.14	0.482	18.69	20.00	1.352	0.652	/
	DSI7		Right Tilt	0	40140	2545	50	High	-0.14	0.308	18.69	20.00	1.352	0.416	/
Ant.31	DSI5&7	QPSK	Left Cheek	0	40140	2545	1	Low	-0.04	0.111	24.75	25.00	1.059	0.118	/
	DSI5&7		Left Tilt	0	40140	2545	1	Low	0.12	0.086	24.75	25.00	1.059	0.091	/
	DSI5&7		Right Cheek	0	40140	2545	1	Low	0.05	0.223	24.75	25.00	1.059	0.236	/
	DSI5&7		Right Tilt	0	40140	2545	1	Low	0.11	0.095	24.75	25.00	1.059	0.101	/
	DSI5&7		Left Cheek	0	40140	2545	50	Low	0.13	0.091	23.53	24.00	1.114	0.101	/
	DSI5&7		Left Tilt	0	40140	2545	50	Low	-0.03	0.069	23.53	24.00	1.114	0.077	/
	DSI5&7		Right Cheek	0	40140	2545	50	Low	0.14	0.178	23.53	24.00	1.114	0.198	/
	DSI5&7		Right Tilt	0	40140	2545	50	Low	0.04	0.079	23.53	24.00	1.114	0.088	/
Body-worn															
Ant.13	DSI6	QPSK	Front Side	15	40640	2595	1	High	0.05	0.081	20.54	21.50	1.247	0.101	/
	DSI6		Back Side	15	40640	2595	1	High	0.05	0.182	20.54	21.50	1.247	0.227	47#
	DSI6		Front Side	15	40640	2595	50	High	0.13	0.076	20.65	21.50	1.216	0.092	/
	DSI6		Back Side	15	40640	2595	50	High	0.04	0.175	20.65	21.50	1.216	0.213	/
Ant.13	DSI8	QPSK	Front Side	15	41140	2645	1	Mid	-0.05	0.053	18.74	20.00	1.337	0.071	/
	DSI8		Back Side	15	41140	2645	1	Mid	-0.06	0.128	18.74	20.00	1.337	0.171	/

	DSI8		Front Side	15	40140	2545	50	High	-0.14	0.051	18.69	20.00	1.352	0.069	/
	DSI8		Back Side	15	40140	2545	50	High	-0.07	0.120	18.69	20.00	1.352	0.162	/
Ant.31	DSI6	QPSK	Front Side	15	40140	2545	1	Low	0.07	0.112	24.75	25.00	1.059	0.119	/
	DSI6		Back Side	15	40140	2545	1	Low	0.02	0.118	24.75	25.00	1.059	0.125	/
	DSI6		Front Side	15	40140	2545	50	Low	-0.07	0.089	23.53	24.00	1.114	0.099	/
	DSI6		Back Side	15	40140	2545	50	Low	0.10	0.094	23.53	24.00	1.114	0.105	/
Ant.31	DSI8	QPSK	Front Side	15	40140	2545	1	Low	0.00	0.076	23.24	23.50	1.062	0.081	/
	DSI8		Back Side	15	40140	2545	1	Low	0.12	0.082	23.24	23.50	1.062	0.087	/
	DSI8		Front Side	15	40140	2545	50	Low	-0.04	0.078	23.12	23.50	1.091	0.085	/
	DSI8		Back Side	15	40140	2545	50	Low	0.02	0.081	23.12	23.50	1.091	0.088	/
Hotspot															
Ant.13	DSI8	QPSK	Front Side	10	41140	2645	1	Mid	0.01	0.088	18.74	20.00	1.337	0.118	/
	DSI8		Back Side	10	41140	2645	1	Mid	0.00	0.215	18.74	20.00	1.337	0.287	/
	DSI8		Right Edge	10	41140	2645	1	Mid	0.01	0.029	18.74	20.00	1.337	0.039	/
	DSI8		Top Edge	10	41140	2645	1	Mid	0.06	0.391	18.74	20.00	1.337	0.523	48#
	DSI8		Front Side	10	40140	2545	50	High	0.09	0.090	18.69	20.00	1.352	0.122	/
	DSI8		Back Side	10	40140	2545	50	High	0.03	0.211	18.69	20.00	1.352	0.285	/
	DSI8		Right Edge	10	40140	2545	50	High	-0.04	0.033	18.69	20.00	1.352	0.045	/
	DSI8		Top Edge	10	40140	2545	50	High	-0.02	0.365	18.69	20.00	1.352	0.493	/
Ant.31	DSI8	QPSK	Front Side	10	40140	2545	1	Low	0.12	0.206	23.24	23.50	1.062	0.219	/
	DSI8		Back Side	10	40140	2545	1	Low	0.06	0.218	23.24	23.50	1.062	0.232	/
	DSI8		Left Edge	10	40140	2545	1	Low	0.14	0.215	23.24	23.50	1.062	0.228	/
	DSI8		Right Edge	10	40140	2545	1	Low	0.03	0.029	23.24	23.50	1.062	0.031	/
	DSI8		Bottom Edge	10	40140	2545	1	Low	0.07	0.146	23.24	23.50	1.062	0.155	/
	DSI8		Front Side	10	40140	2545	50	Low	0.02	0.200	23.12	23.50	1.091	0.218	/
	DSI8		Back Side	10	40140	2545	50	Low	-0.04	0.221	23.12	23.50	1.091	0.241	/
	DSI8		Left Edge	10	40140	2545	50	Low	-0.10	0.216	23.12	23.50	1.091	0.236	/
	DSI8		Right Edge	10	40140	2545	50	Low	0.04	0.027	23.12	23.50	1.091	0.029	/
	DSI8		Bottom Edge	10	40140	2545	50	Low	-0.09	0.141	23.12	23.50	1.091	0.154	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.															

10.17 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.22	Level1	802.11 b	Left Cheek	0	11	2462	-0.01	0.911	17.69	18.00	1.074	98.50	1.015	0.993	49#
	Level1	802.11 b	Left Tilt	0	11	2462	-0.11	0.543	17.69	18.00	1.074	98.50	1.015	0.592	/
	Level1	802.11 b	Right Cheek	0	11	2462	0.01	0.358	17.69	18.00	1.074	98.50	1.015	0.390	/
	Level1	802.11 b	Right Tilt	0	11	2462	0.10	0.324	17.69	18.00	1.074	98.50	1.015	0.353	/
	Level1	802.11 b	Left Cheek	0	1	2412	0.13	0.718	16.66	18.00	1.361	98.50	1.015	0.992	/
	Level1	802.11 b	Left Cheek	0	6	2437	0.02	0.773	16.99	18.00	1.262	98.50	1.015	0.990	/
Ant.22	Level2	802.11 b	Left Cheek	0	11	2462	0.14	0.693	16.46	17.00	1.132	98.50	1.015	0.796	/
	Level2	802.11 b	Left Tilt	0	11	2462	-0.09	0.428	16.46	17.00	1.132	98.50	1.015	0.492	/
	Level2	802.11 b	Right Cheek	0	11	2462	0.11	0.280	16.46	17.00	1.132	98.50	1.015	0.322	/
	Level2	802.11 b	Right Tilt	0	11	2462	-0.13	0.251	16.46	17.00	1.132	98.50	1.015	0.288	/
Body-Wron															
Ant.22	Level3&4	802.11 b	Front Side	15	11	2462	-0.07	0.135	19.44	20.00	1.138	98.50	1.015	0.156	/
	Level3&4	802.11 b	Back Side	15	11	2462	0.08	0.160	19.44	20.00	1.138	98.50	1.015	0.185	50#
Hotspot															
Ant.22	Level4	802.11 b	Front Side	10	11	2462	0.04	0.191	19.44	20.00	1.138	98.50	1.015	0.221	/
	Level4	802.11 b	Back Side	10	11	2462	0.03	0.322	19.44	20.00	1.138	98.50	1.015	0.372	51#
	Level4	802.11 b	Left Edge	10	11	2462	0.13	0.154	19.44	20.00	1.138	98.50	1.015	0.178	/
	Level4	802.11 b	Top Edge	10	11	2462	-0.11	0.249	19.44	20.00	1.138	98.50	1.015	0.288	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.															

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	10 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	Duty Cycle (%)	Scaling Factor	10 g Scaled SAR (W/kg)	Meas. No.
Specific															
Ant.22	Level3&4	802.11 b	Front Side	0	6	2437	-0.03	0.674	19.44	20.00	1.138	98.50	1.015	0.779	/
	Level3&4	802.11 b	Back Side	0	6	2437	0.16	0.790	19.44	20.00	1.138	98.50	1.015	0.913	52#
	Level3&4	802.11 b	Left Edge	0	6	2437	0.07	0.448	19.44	20.00	1.138	98.50	1.015	0.517	/
	Level3&4	802.11 b	Top Edge	0	6	2437	0.10	0.536	19.44	20.00	1.138	98.50	1.015	0.619	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.															

10.18 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.22	5.3G	Level1&2	802.11 a	Left Cheek	0	60	5300	-0.02	0.384	18.51	20.00	1.409	95.60	1.046	0.566	/
	5.3G	Level1&2	802.11 a	Left Tilt	0	60	5300	0.07	0.401	18.51	20.00	1.409	95.60	1.046	0.591	53#
	5.3G	Level1&2	802.11 a	Right Cheek	0	60	5300	-0.15	0.234	18.51	20.00	1.409	95.60	1.046	0.345	/
	5.3G	Level1&2	802.11 a	Right Tilt	0	60	5300	-0.01	0.248	18.51	20.00	1.409	95.60	1.046	0.366	/
Ant.22	5.6G	Level1	802.11 a	Left Cheek	0	116	5580	0.13	0.659	18.60	19.00	1.096	95.60	1.046	0.755	54#
	5.6G	Level1	802.11 a	Left Tilt	0	116	5580	0.07	0.476	18.60	19.00	1.096	95.60	1.046	0.546	/
	5.6G	Level1	802.11 a	Right Cheek	0	116	5580	-0.13	0.342	18.60	19.00	1.096	95.60	1.046	0.392	/
	5.6G	Level1	802.11 a	Right Tilt	0	116	5580	0.01	0.293	18.60	19.00	1.096	95.60	1.046	0.336	/
Ant.22	5.6G	Level2	802.11 a	Left Cheek	0	116	5580	-0.10	0.521	17.56	18.00	1.107	95.60	1.046	0.603	/
	5.6G	Level2	802.11 a	Left Tilt	0	116	5580	-0.07	0.373	17.56	18.00	1.107	95.60	1.046	0.432	/
	5.6G	Level2	802.11 a	Right Cheek	0	116	5580	-0.14	0.269	17.56	18.00	1.107	95.60	1.046	0.311	/
	5.6G	Level2	802.11 a	Right Tilt	0	116	5580	-0.14	0.228	17.56	18.00	1.107	95.60	1.046	0.264	/
Ant.22	5.8G	Level1	802.11 a	Left Cheek	0	149	5745	-0.08	0.880	19.69	20.00	1.074	95.60	1.046	0.989	55#
	5.8G	Level1	802.11 a	Left Tilt	0	149	5745	0.04	0.625	19.59	20.00	1.099	95.60	1.046	0.718	/
	5.8G	Level1	802.11 a	Right Cheek	0	149	5745	-0.06	0.483	19.59	20.00	1.099	95.60	1.046	0.555	/
	5.8G	Level1	802.11 a	Right Tilt	0	149	5745	-0.13	0.356	19.59	20.00	1.099	95.60	1.046	0.409	/
	5.8G	Level1	802.11 a	Left Cheek	0	157	5785	0.13	0.804	19.33	20.00	1.167	95.60	1.046	0.981	/
	5.8G	Level1	802.11 a	Left Cheek	0	165	5825	-0.03	0.673	19.15	20.00	1.216	95.60	1.046	0.856	/
Ant.22	5.8G	Level2	802.11 a	Left Cheek	0	149	5745	-0.10	0.582	18.43	19.00	1.140	95.60	1.046	0.694	/
	5.8G	Level2	802.11 a	Left Tilt	0	149	5745	0.11	0.426	18.43	19.00	1.140	95.60	1.046	0.508	/
	5.8G	Level2	802.11 a	Right Cheek	0	149	5745	0.08	0.335	18.43	19.00	1.140	95.60	1.046	0.399	/
	5.8G	Level2	802.11 a	Right Tilt	0	149	5745	-0.02	0.245	18.43	19.00	1.140	95.60	1.046	0.292	/
Body-worn																
Ant.22	5.3G	Level3&4	802.11 a	Front Side	15	60	5300	0.00	0.062	18.51	20.00	1.409	95.60	1.046	0.091	/
	5.3G	Level3&4	802.11 a	Back Side	15	60	5300	0.02	0.088	18.51	20.00	1.409	95.60	1.046	0.130	56#
Ant.22	5.6G	Level3	802.11 a	Front Side	15	116	5580	0.15	0.128	19.66	20.00	1.081	95.60	1.046	0.145	/
	5.6G	Level3	802.11 a	Back Side	15	116	5580	0.09	0.260	19.66	20.00	1.081	95.60	1.046	0.294	57#
Ant.22	5.6G	Level4	802.11 a	Front Side	15	116	5580	0.06	0.103	18.81	19.00	1.045	95.60	1.046	0.113	/
	5.6G	Level4	802.11 a	Back Side	15	116	5580	-0.13	0.206	18.81	19.00	1.045	95.60	1.046	0.225	/
Ant.22	5.8G	Level3	802.11 ac (VHT80)	Front Side	15	155	5775	-0.11	0.089	17.00	17.00	1.000	86.90	1.151	0.102	/
	5.8G	Level3	802.11 ac (VHT80)	Back Side	15	155	5775	0.03	0.455	17.00	17.00	1.000	86.90	1.151	0.524	58#

Ant.22	5.8G	Level4	802.11 ac (VHT80)	Front Side	15	155	5775	0.12	0.054	14.96	15.00	1.009	86.90	1.151	0.063	/
	5.8G	Level4	802.11 ac (VHT80)	Back Side	15	155	5775	-0.10	0.270	14.96	15.00	1.009	86.90	1.151	0.314	/
Hotspot																
Ant.22	5.2G	Level3&4	802.11 a	Front Side	10	48	5240	-0.13	0.063	18.61	20.00	1.377	95.60	1.046	0.091	/
	5.2G	Level3&4	802.11 a	Back Side	10	48	5240	-0.07	0.108	18.61	20.00	1.377	95.60	1.046	0.156	/
	5.2G	Level3&4	802.11 a	Left Edge	10	48	5240	0.11	0.093	18.61	20.00	1.377	95.60	1.046	0.134	/
	5.2G	Level3&4	802.11 a	Top Edge	10	48	5240	0.01	0.214	18.61	20.00	1.377	95.60	1.046	0.308	59#
Ant.22	5.8G	Level3	802.11 ac (VHT80)	Front Side	10	155	5775	-0.09	0.112	17.00	17.00	1.000	86.90	1.151	0.129	/
	5.8G	Level3	802.11 ac (VHT80)	Back Side	10	155	5775	0.00	0.541	17.00	17.00	1.000	86.90	1.151	0.623	60#
	5.8G	Level3	802.11 ac (VHT80)	Left Edge	10	155	5775	-0.09	0.404	17.00	17.00	1.000	86.90	1.151	0.465	/
	5.8G	Level3	802.11 ac (VHT80)	Top Edge	10	155	5775	0.07	0.183	17.00	17.00	1.000	86.90	1.151	0.211	/
Ant.22	5.8G	Level4	802.11 ac (VHT80)	Front Side	10	155	5775	0.11	0.088	14.96	15.00	1.009	86.90	1.151	0.102	/
	5.8G	Level4	802.11 ac (VHT80)	Back Side	10	155	5775	0.10	0.429	14.96	15.00	1.009	86.90	1.151	0.498	/
	5.8G	Level4	802.11 ac (VHT80)	Left Edge	10	155	5775	0.03	0.316	14.96	15.00	1.009	86.90	1.151	0.367	/
	5.8G	Level4	802.11 ac (VHT80)	Top Edge	10	155	5775	0.14	0.143	14.96	15.00	1.009	86.90	1.151	0.166	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.																

Antenna	Band	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	10 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	Duty Cycle (%)	Scaling Factor	10 g Scaled SAR (W/kg)	Meas. No.
Specific																
Ant.22	5.3G	Level3&4	802.11 a	Front Side	0	60	5300	-0.15	0.151	18.51	20.00	1.409	95.60	1.046	0.223	/
	5.3G	Level3&4	802.11 a	Back Side	0	60	5300	-0.03	0.323	18.51	20.00	1.409	95.60	1.046	0.476	/
	5.3G	Level3&4	802.11 a	Left Edge	0	60	5300	0.10	0.285	18.51	20.00	1.409	95.60	1.046	0.420	/
	5.3G	Level3&4	802.11 a	Top Edge	0	60	5300	0.05	0.361	18.51	20.00	1.409	95.60	1.046	0.532	61#
Ant.22	5.6G	Level3	802.11 a	Front Side	0	116	5580	0.14	0.502	19.66	20.00	1.081	95.60	1.046	0.568	/
	5.6G	Level3	802.11 a	Back Side	0	116	5580	0.09	1.180	19.66	20.00	1.081	95.60	1.046	1.334	62#
	5.6G	Level3	802.11 a	Left Edge	0	116	5580	-0.07	1.100	19.66	20.00	1.081	95.60	1.046	1.244	/
	5.6G	Level3	802.11 a	Top Edge	0	116	5580	0.04	0.888	19.66	20.00	1.081	95.60	1.046	1.004	/
Ant.22	5.6G	Level4	802.11 a	Front Side	0	116	5580	0.09	0.395	18.81	19.00	1.045	95.60	1.046	0.432	/
	5.6G	Level4	802.11 a	Back Side	0	116	5580	-0.06	0.932	18.81	19.00	1.045	95.60	1.046	1.019	/
	5.6G	Level4	802.11 a	Left Edge	0	116	5580	0.01	0.861	18.81	19.00	1.045	95.60	1.046	0.941	/
	5.6G	Level4	802.11 a	Top Edge	0	116	5580	-0.12	0.705	18.81	19.00	1.045	95.60	1.046	0.771	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.																

10.19 Bluetooth

Antenna	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune- power (dBm)	Scaling Factor	Duty Cycle (%)	Scaling Factor	1 g Scaled SAR (W/kg)	Meas. No.
Head														
Ant.22	DH5	Left Cheek	0	39	2441	0.04	0.246	8.34	9.00	1.164	77.47	1.291	0.370	63#
	DH5	Left Tilt	0	39	2441	0.08	0.147	8.34	9.00	1.164	77.47	1.291	0.221	/
	DH5	Right Cheek	0	39	2441	-0.08	0.097	8.34	9.00	1.164	77.47	1.291	0.146	/
	DH5	Right Tilt	0	39	2441	0.04	0.087	8.34	9.00	1.164	77.47	1.291	0.131	/
Body-worn														
Ant.22	DH5	Front Side	15	39	2441	0.06	0.029	8.34	9.00	1.164	77.47	1.291	0.044	/
	DH5	Back Side	15	39	2441	0.00	0.035	8.34	9.00	1.164	77.47	1.291	0.053	64#
Hotspot														
Ant.22	DH5	Front Side	10	39	2441	-0.05	0.033	8.34	9.00	1.164	77.47	1.291	0.050	/
	DH5	Back Side	10	39	2441	0.05	0.059	8.34	9.00	1.164	77.47	1.291	0.089	65#
	DH5	Left Edge	10	39	2441	0.03	0.028	8.34	9.00	1.164	77.47	1.291	0.042	/
	DH5	Top Edge	10	39	2441	0.06	0.045	8.34	9.00	1.164	77.47	1.291	0.068	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.														

Antenna	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	10 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune- power (dBm)	Scaling Factor	Duty Cycle (%)	Scaling Factor	10 g Scaled SAR (W/kg)	Meas. No.
Specific														
Ant.22	DH5	Front Side	0	39	2441	-0.04	0.138	8.34	9.00	1.164	77.47	1.291	0.207	/
	DH5	Back Side	0	39	2441	0.04	0.167	8.34	9.00	1.164	77.47	1.291	0.251	66#
	DH5	Left Edge	0	39	2441	0.08	0.093	8.34	9.00	1.164	77.47	1.291	0.140	/
	DH5	Top Edge	0	39	2441	0.11	0.112	8.34	9.00	1.164	77.47	1.291	0.168	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.														

11 SAR Measurement Variability

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

SAR repeated measurement procedure:

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

Frequency Band (MHz)	Wireless Band	RF Exposure Conditions	Test Position	Highest Measured SAR (W/kg)	Repeated SAR (Yes/No)	Repeated ^{1st} Measured SAR (W/kg)	Largest to Smallest SAR Ratio
1909.8	GSM1900	Head	Right Tilt	0.806	Yes	0.803	1.00
2462	WIFI 2.4GHz	Head	Left Cheek	0.911	Yes	0.896	1.02
5745	WIFI 5.8GHz	Head	Left Cheek	0.880	Yes	0.873	1.01
Note: The ratio of largest to smallest SAR for the original and first repeated measurements is < 1.20 , the second repeated measurement. is not required.							

12 SIMULTANEOUS TRANSMISSION

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

12.1 Simultaneous Transmission Mode Consider

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

Note:

1. WiFi 2.4G and Bluetooth can't transmit simultaneously.
2. The maximum SAR summation is calculated based on the same configuration and test position.

12.3 Sum SAR of Simultaneous Transmission

12.3.1 Head Simultaneous Transmission SAR Evaluation

Position	Stand alone SAR		SUM SAR
	1	2	
	5GWIFI Max.	Bluetooth	1+2
	Level1		
Left Cheek	0.989	0.370	1.359
Left Tilt	0.718	0.221	0.939
Right Cheek	0.555	0.146	0.701
Right Tilt	0.409	0.131	0.540
Note: 1: The highest Summed 1g SAR is 1.359 W/Kg < 1.6 W/kg, so Simultaneous Transmission SAR test is not required.			

12.3.2 Body-Worn Simultaneous Transmission SAR Evaluation

Position	Stand alone SAR		SUM SAR
	1	2	
	5GWIFI Max.	Bluetooth	1+2
	Level3		
Front Side 15mm	0.145	0.044	0.189
Back Side 15mm	0.524	0.053	0.577
Note: 1: The highest Summed 1g SAR is 0.577 W/Kg < 1.6 W/kg, so Simultaneous Transmission SAR test is not required.			

12.3.3 Hotspot Simultaneous Transmission SAR Evaluation

Position	Stand alone SAR		SUM SAR
	1	2	
	5GWIFI Max.	Bluetooth	1+2
	Level3		
Front Side 10mm	0.129	0.050	0.179
Back Side 10mm	0.623	0.089	0.712
Left Edge 10mm	0.465	0.042	0.507
Right Edge 10mm	0.000	0.000	0.000
Top Edge 10mm	0.308	0.068	0.376
Bottom Edge 10mm	0.000	0.000	0.000
Note: 1: The highest Summed 1g SAR is 0.712 W/Kg < 1.6 W/kg, so Simultaneous Transmission SAR test is not required.			

12.3.4 Specific Simultaneous Transmission SAR Evaluation

Position	Stand alone SAR		SUM SAR
	1	2	
	5GWIFI Max.	Bluetooth	1+2
	Level3		
Front Side 0mm	0.568	0.207	0.775
Back Side 0mm	1.334	0.251	1.585
Left Edge 0mm	1.244	0.140	1.384
Right Edge 0mm	0.000	0.000	0.000
Top Edge 0mm	1.004	0.168	1.172
Bottom Edge 0mm	0.000	0.000	0.000
Note:			
1: The highest Summed 10g SAR is 1.585 W/Kg < 4.0 W/kg, so Simultaneous Transmission SAR test is not required.			

12.3.5 Head Simultaneous Transmission SAR Evaluation

Band	Antenna	Position	Stand alone SAR				SUM SAR	
			1	2	3	4		
			WWAN	2.4GWIFI	5GWIFI Max.	Bluetooth	1+2	1+3+4
			DSI7	Level2	Level2			
GSM850	Ant.13	Left Cheek	0.304	0.796	0.694	0.370	1.100	1.368
		Left Tilt	0.281	0.492	0.591	0.221	0.773	1.093
		Right Cheek	0.512	0.322	0.399	0.146	0.834	1.057
		Right Tilt	0.461	0.288	0.366	0.131	0.749	0.958
GSM850	Ant.31	Left Cheek	0.163	0.796	0.694	0.135	0.959	0.992
		Left Tilt	0.079	0.492	0.591	0.221	0.571	0.891
		Right Cheek	0.154	0.322	0.399	0.146	0.476	0.699
		Right Tilt	0.074	0.288	0.366	0.131	0.362	0.571
GSM1900	Ant.13	Left Cheek	0.437	0.796	0.694	0.135	1.233	1.266
		Left Tilt	0.532	0.492	0.591	0.221	1.024	1.344
		Right Cheek	0.710	0.322	0.399	0.146	1.032	1.255
		Right Tilt	0.837	0.288	0.366	0.131	1.125	1.334
GSM1900	Ant.31	Left Cheek	0.079	0.796	0.694	0.135	0.875	0.908
		Left Tilt	0.067	0.492	0.591	0.221	0.559	0.879
		Right Cheek	0.076	0.322	0.399	0.146	0.398	0.621
		Right Tilt	0.063	0.288	0.366	0.131	0.351	0.560
WCDMA B2	Ant.13	Left Cheek	0.491	0.796	0.694	0.135	1.287	1.320
		Left Tilt	0.575	0.492	0.591	0.221	1.067	1.387
		Right Cheek	0.653	0.322	0.399	0.146	0.975	1.198
		Right Tilt	0.745	0.288	0.366	0.131	1.033	1.242
WCDMA B2	Ant.31	Left Cheek	0.123	0.796	0.694	0.135	0.919	0.952
		Left Tilt	0.111	0.492	0.591	0.221	0.603	0.923
		Right Cheek	0.118	0.322	0.399	0.146	0.440	0.663
		Right Tilt	0.103	0.288	0.366	0.131	0.391	0.600
WCDMA B4	Ant.13	Left Cheek	0.361	0.796	0.694	0.135	1.157	1.190
		Left Tilt	0.439	0.492	0.591	0.221	0.931	1.251
		Right Cheek	0.622	0.322	0.399	0.146	0.944	1.167
		Right Tilt	0.671	0.288	0.366	0.131	0.959	1.168
WCDMA B4	Ant.31	Left Cheek	0.096	0.796	0.694	0.135	0.892	0.925
		Left Tilt	0.055	0.492	0.591	0.221	0.547	0.867
		Right Cheek	0.088	0.322	0.399	0.146	0.410	0.633
		Right Tilt	0.064	0.288	0.366	0.131	0.352	0.561
WCDMA B5	Ant.13	Left Cheek	0.432	0.796	0.694	0.135	1.228	1.261
		Left Tilt	0.398	0.492	0.591	0.221	0.890	1.210
		Right Cheek	0.644	0.322	0.399	0.146	0.966	1.189
		Right Tilt	0.602	0.288	0.366	0.131	0.890	1.099
WCDMA B5	Ant.31	Left Cheek	0.128	0.796	0.694	0.135	0.924	0.957

		Left Tilt	0.068	0.492	0.591	0.221	0.560	0.880
		Right Cheek	0.124	0.322	0.399	0.146	0.446	0.669
		Right Tilt	0.065	0.288	0.366	0.131	0.353	0.562
LTE B2	Ant.13	Left Cheek	0.367	0.796	0.694	0.135	1.163	1.196
		Left Tilt	0.445	0.492	0.591	0.221	0.937	1.257
		Right Cheek	0.499	0.322	0.399	0.146	0.821	1.044
		Right Tilt	0.627	0.288	0.366	0.131	0.915	1.124
LTE B2	Ant.31	Left Cheek	0.161	0.796	0.694	0.135	0.957	0.990
		Left Tilt	0.082	0.492	0.591	0.221	0.574	0.894
		Right Cheek	0.157	0.322	0.399	0.146	0.479	0.702
		Right Tilt	0.090	0.288	0.366	0.131	0.378	0.587
LTE B4	Ant.13	Left Cheek	0.386	0.796	0.694	0.135	1.182	1.215
		Left Tilt	0.563	0.492	0.591	0.221	1.055	1.375
		Right Cheek	0.591	0.322	0.399	0.146	0.913	1.136
		Right Tilt	0.752	0.288	0.366	0.131	1.040	1.249
LTE B4	Ant.31	Left Cheek	0.101	0.796	0.694	0.135	0.897	0.930
		Left Tilt	0.053	0.492	0.591	0.221	0.545	0.865
		Right Cheek	0.070	0.322	0.399	0.146	0.392	0.615
		Right Tilt	0.053	0.288	0.366	0.131	0.341	0.550
LTE B5	Ant.13	Left Cheek	0.505	0.796	0.694	0.135	1.301	1.334
		Left Tilt	0.433	0.492	0.591	0.221	0.925	1.245
		Right Cheek	0.673	0.322	0.399	0.146	0.995	1.218
		Right Tilt	0.591	0.288	0.366	0.131	0.879	1.088
LTE B5	Ant.31	Left Cheek	0.161	0.796	0.694	0.135	0.957	0.990
		Left Tilt	0.081	0.492	0.591	0.221	0.573	0.893
		Right Cheek	0.155	0.322	0.399	0.146	0.477	0.700
		Right Tilt	0.078	0.288	0.366	0.131	0.366	0.575
LTE B7	Ant.13	Left Cheek	0.424	0.796	0.694	0.135	1.220	1.253
		Left Tilt	0.498	0.492	0.591	0.221	0.990	1.310
		Right Cheek	0.476	0.322	0.399	0.146	0.798	1.021
		Right Tilt	0.641	0.288	0.366	0.131	0.929	1.138
LTE B7	Ant.31	Left Cheek	0.228	0.796	0.694	0.135	1.024	1.057
		Left Tilt	0.171	0.492	0.591	0.221	0.663	0.983
		Right Cheek	0.463	0.322	0.399	0.146	0.785	1.008
		Right Tilt	0.201	0.288	0.366	0.131	0.489	0.698
LTE B13	Ant.13	Left Cheek	0.448	0.796	0.694	0.135	1.244	1.277
		Left Tilt	0.438	0.492	0.591	0.221	0.930	1.250
		Right Cheek	0.655	0.322	0.399	0.146	0.977	1.200
		Right Tilt	0.597	0.288	0.366	0.131	0.885	1.094
LTE B13	Ant.31	Left Cheek	0.122	0.796	0.694	0.135	0.918	0.951
		Left Tilt	0.069	0.492	0.591	0.221	0.561	0.881
		Right Cheek	0.131	0.322	0.399	0.146	0.453	0.676
		Right Tilt	0.074	0.288	0.366	0.131	0.362	0.571

LTE B18	Ant.13	Left Cheek	0.560	0.796	0.694	0.135	1.356	1.389
		Left Tilt	0.538	0.492	0.591	0.221	1.030	1.350
		Right Cheek	0.756	0.322	0.399	0.146	1.078	1.301
		Right Tilt	0.736	0.288	0.366	0.131	1.024	1.233
LTE B18	Ant.31	Left Cheek	0.131	0.796	0.694	0.135	0.927	0.960
		Left Tilt	0.068	0.492	0.591	0.221	0.560	0.880
		Right Cheek	0.121	0.322	0.399	0.146	0.443	0.666
		Right Tilt	0.063	0.288	0.366	0.131	0.351	0.560
LTE B19	Ant.13	Left Cheek	0.417	0.796	0.694	0.135	1.213	1.246
		Left Tilt	0.387	0.492	0.591	0.221	0.879	1.199
		Right Cheek	0.584	0.322	0.399	0.146	0.906	1.129
		Right Tilt	0.504	0.288	0.366	0.131	0.792	1.001
LTE B19	Ant.31	Left Cheek	0.171	0.796	0.694	0.135	0.967	1.000
		Left Tilt	0.081	0.492	0.591	0.221	0.573	0.893
		Right Cheek	0.155	0.322	0.399	0.146	0.477	0.700
		Right Tilt	0.077	0.288	0.366	0.131	0.365	0.574
LTE B26	Ant.13	Left Cheek	0.460	0.796	0.694	0.135	1.256	1.289
		Left Tilt	0.489	0.492	0.591	0.221	0.981	1.301
		Right Cheek	0.627	0.322	0.399	0.146	0.949	1.172
		Right Tilt	0.558	0.288	0.366	0.131	0.846	1.055
LTE B26	Ant.31	Left Cheek	0.147	0.796	0.694	0.135	0.943	0.976
		Left Tilt	0.063	0.492	0.591	0.221	0.555	0.875
		Right Cheek	0.139	0.322	0.399	0.146	0.461	0.684
		Right Tilt	0.061	0.288	0.366	0.131	0.349	0.558
LTE 66	Ant.13	Left Cheek	0.303	0.796	0.694	0.135	1.099	1.132
		Left Tilt	0.389	0.492	0.591	0.221	0.881	1.201
		Right Cheek	0.468	0.322	0.399	0.146	0.790	1.013
		Right Tilt	0.593	0.288	0.366	0.131	0.881	1.090
LTE 66	Ant.31	Left Cheek	0.093	0.796	0.694	0.135	0.889	0.922
		Left Tilt	0.048	0.492	0.591	0.221	0.540	0.860
		Right Cheek	0.064	0.322	0.399	0.146	0.386	0.609
		Right Tilt	0.047	0.288	0.366	0.131	0.335	0.544
LTE B38	Ant.13	Left Cheek	0.442	0.796	0.694	0.135	1.238	1.271
		Left Tilt	0.459	0.492	0.591	0.221	0.951	1.271
		Right Cheek	0.693	0.322	0.399	0.146	1.015	1.238
		Right Tilt	0.637	0.288	0.366	0.131	0.925	1.134
LTE B38	Ant.31	Left Cheek	0.125	0.796	0.694	0.135	0.921	0.954
		Left Tilt	0.091	0.492	0.591	0.221	0.583	0.903
		Right Cheek	0.248	0.322	0.399	0.146	0.570	0.793
		Right Tilt	0.105	0.288	0.366	0.131	0.393	0.602
LTE B41	Ant.13	Left Cheek	0.421	0.796	0.694	0.135	1.217	1.250
		Left Tilt	0.444	0.492	0.591	0.221	0.936	1.256
		Right Cheek	0.652	0.322	0.399	0.146	0.974	1.197

		Right Tilt	0.656	0.288	0.366	0.131	0.944	1.153
LTE B41	Ant.31	Left Cheek	0.118	0.796	0.694	0.135	0.914	0.947
		Left Tilt	0.091	0.492	0.591	0.221	0.583	0.903
		Right Cheek	0.236	0.322	0.399	0.146	0.558	0.781
		Right Tilt	0.101	0.288	0.366	0.131	0.389	0.598

Note:

- 1: The simultaneous transmission combinations of the antennas contain combinations of two antennas, so only the worst simultaneous transmission combinations was shown in this table.
- 2: The highest Summed 1g SAR is 1.389 W/Kg < 1.6 W/kg, so Simultaneous Transmission SAR test is not required.

12.3.6 Body-Worn Simultaneous Transmission SAR Evaluation

Band	Antenna	Position	Stand alone SAR				SUM SAR	
			1	2	3	4		
			WWAN	2.4GWIFI	5GWIFI Max.	Bluetooth	1+2	1+3+4
			DSI8	Level4	Level4			
GSM850	Ant.13	Front Side 15mm	0.167	0.156	0.113	0.044	0.323	0.324
		Back Side 15mm	0.217	0.185	0.314	0.053	0.402	0.584
GSM850	Ant.31	Front Side 15mm	0.090	0.156	0.113	0.135	0.246	0.338
		Back Side 15mm	0.104	0.185	0.314	0.053	0.289	0.471
GSM1900	Ant.13	Front Side 15mm	0.108	0.156	0.113	0.135	0.264	0.356
		Back Side 15mm	0.168	0.185	0.314	0.053	0.353	0.535
GSM1900	Ant.31	Front Side 15mm	0.098	0.156	0.113	0.135	0.254	0.346
		Back Side 15mm	0.170	0.185	0.314	0.053	0.355	0.537
WCDMA B2	Ant.13	Front Side 15mm	0.124	0.156	0.113	0.135	0.280	0.372
		Back Side 15mm	0.191	0.185	0.314	0.053	0.376	0.558
WCDMA B2	Ant.31	Front Side 15mm	0.085	0.156	0.113	0.135	0.241	0.333
		Back Side 15mm	0.172	0.185	0.314	0.053	0.357	0.539
WCDMA B4	Ant.13	Front Side 15mm	0.303	0.156	0.113	0.135	0.459	0.551
		Back Side 15mm	0.365	0.185	0.314	0.053	0.550	0.732
WCDMA B4	Ant.31	Front Side 15mm	0.074	0.156	0.113	0.135	0.230	0.322
		Back Side 15mm	0.149	0.185	0.314	0.053	0.334	0.516
WCDMA B5	Ant.13	Front Side 15mm	0.155	0.156	0.113	0.135	0.311	0.403
		Back Side 15mm	0.194	0.185	0.314	0.053	0.379	0.561
WCDMA B5	Ant.31	Front Side 15mm	0.100	0.156	0.113	0.135	0.256	0.348
		Back Side 15mm	0.110	0.185	0.314	0.053	0.295	0.477
LTE B2	Ant.13	Front Side 15mm	0.142	0.156	0.113	0.135	0.298	0.390
		Back Side 15mm	0.215	0.185	0.314	0.053	0.400	0.582
LTE B2	Ant.31	Front Side 15mm	0.106	0.156	0.113	0.135	0.262	0.354
		Back Side 15mm	0.195	0.185	0.314	0.053	0.380	0.562
LTE B4	Ant.13	Front Side 15mm	0.107	0.156	0.113	0.135	0.263	0.355
		Back Side 15mm	0.136	0.185	0.314	0.053	0.321	0.503
LTE B4	Ant.31	Front Side 15mm	0.113	0.156	0.113	0.135	0.269	0.361
		Back Side 15mm	0.221	0.185	0.314	0.053	0.406	0.588
LTE B5	Ant.13	Front Side 15mm	0.215	0.156	0.113	0.135	0.371	0.463
		Back Side 15mm	0.272	0.185	0.314	0.053	0.457	0.639
LTE B5	Ant.31	Front Side 15mm	0.097	0.156	0.113	0.135	0.253	0.345
		Back Side 15mm	0.113	0.185	0.314	0.053	0.298	0.480
LTE B7	Ant.13	Front Side 15mm	0.095	0.156	0.113	0.135	0.251	0.343
		Back Side 15mm	0.246	0.185	0.314	0.053	0.431	0.613
LTE B7	Ant.31	Front Side 15mm	0.132	0.156	0.113	0.135	0.288	0.380
		Back Side 15mm	0.138	0.185	0.314	0.053	0.323	0.505
LTE B13	Ant.13	Front Side 15mm	0.128	0.156	0.113	0.135	0.284	0.376

		Back Side 15mm	0.156	0.185	0.314	0.053	0.341	0.523
LTE B13	Ant.31	Front Side 15mm	0.139	0.156	0.113	0.135	0.295	0.387
		Back Side 15mm	0.164	0.185	0.314	0.053	0.349	0.531
LTE B18	Ant.13	Front Side 15mm	0.088	0.156	0.113	0.135	0.244	0.336
		Back Side 15mm	0.122	0.185	0.314	0.053	0.307	0.489
LTE B18	Ant.31	Front Side 15mm	0.108	0.156	0.113	0.135	0.264	0.356
		Back Side 15mm	0.121	0.185	0.314	0.053	0.306	0.488
LTE B19	Ant.13	Front Side 15mm	0.092	0.156	0.113	0.135	0.248	0.340
		Back Side 15mm	0.121	0.185	0.314	0.053	0.306	0.488
LTE B19	Ant.31	Front Side 15mm	0.094	0.156	0.113	0.135	0.250	0.342
		Back Side 15mm	0.110	0.185	0.314	0.053	0.295	0.477
LTE B26	Ant.13	Front Side 15mm	0.180	0.156	0.113	0.135	0.336	0.428
		Back Side 15mm	0.240	0.185	0.314	0.053	0.425	0.607
LTE B26	Ant.31	Front Side 15mm	0.109	0.156	0.113	0.135	0.265	0.357
		Back Side 15mm	0.120	0.185	0.314	0.053	0.305	0.487
LTE 66	Ant.13	Front Side 15mm	0.096	0.156	0.113	0.135	0.252	0.344
		Back Side 15mm	0.130	0.185	0.314	0.053	0.315	0.497
LTE 66	Ant.31	Front Side 15mm	0.067	0.156	0.113	0.135	0.223	0.315
		Back Side 15mm	0.131	0.185	0.314	0.053	0.316	0.498
LTE B38	Ant.13	Front Side 15mm	0.089	0.156	0.113	0.135	0.245	0.337
		Back Side 15mm	0.203	0.185	0.314	0.053	0.388	0.570
LTE B38	Ant.31	Front Side 15mm	0.094	0.156	0.113	0.135	0.250	0.342
		Back Side 15mm	0.098	0.185	0.314	0.053	0.283	0.465
LTE B41	Ant.13	Front Side 15mm	0.071	0.156	0.113	0.135	0.227	0.319
		Back Side 15mm	0.171	0.185	0.314	0.053	0.356	0.538
LTE B41	Ant.31	Front Side 15mm	0.085	0.156	0.113	0.135	0.241	0.333
		Back Side 15mm	0.088	0.185	0.314	0.053	0.273	0.455

Note:

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

2: The highest Summed 1g SAR is 0.732 W/Kg < 1.6 W/kg, so Simultaneous Transmission SAR test is not required.

12.3.7 Hotspot Simultaneous Transmission SAR Evaluation

Band	Antenna	Position	Stand alone SAR				SUM SAR	
			1	2	3	4		
			WWAN	2.4GWIFI	5GWIFI Max.	Bluetooth	1+2	1+3+4
			DSI8	Level4	Level4			
GSM850	Ant.13	Front Side 10mm	0.331	0.221	0.102	0.050	0.552	0.483
		Back Side 10mm	0.426	0.372	0.498	0.089	0.798	1.013
		Left Edge 10mm	0.000	0.178	0.367	0.042	0.178	0.409
		Right Edge 10mm	0.185	0.000	0.000	0.000	0.185	0.185
		Top Edge 10mm	0.401	0.288	0.308	0.068	0.689	0.777
		Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000
GSM850	Ant.31	Front Side 10mm	0.178	0.221	0.102	0.135	0.399	0.415
		Back Side 10mm	0.285	0.372	0.498	0.089	0.657	0.872
		Left Edge 10mm	0.075	0.178	0.367	0.042	0.253	0.484
		Right Edge 10mm	0.136	0.000	0.000	0.000	0.136	0.136
		Top Edge 10mm	0.000	0.288	0.308	0.068	0.288	0.376
		Bottom Edge 10mm	0.215	0.000	0.000	0.000	0.215	0.215
GSM1900	Ant.13	Front Side 10mm	0.181	0.221	0.102	0.135	0.402	0.418
		Back Side 10mm	0.316	0.372	0.498	0.089	0.688	0.903
		Left Edge 10mm	0.000	0.178	0.367	0.042	0.178	0.409
		Right Edge 10mm	0.030	0.000	0.000	0.000	0.030	0.030
		Top Edge 10mm	0.432	0.288	0.308	0.068	0.720	0.808
		Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000
GSM1900	Ant.31	Front Side 10mm	0.199	0.221	0.102	0.135	0.420	0.436
		Back Side 10mm	0.348	0.372	0.498	0.089	0.720	0.935
		Left Edge 10mm	0.153	0.178	0.367	0.042	0.331	0.562
		Right Edge 10mm	0.053	0.000	0.000	0.000	0.053	0.053
		Top Edge 10mm	0.000	0.288	0.308	0.068	0.288	0.376
		Bottom Edge 10mm	0.329	0.000	0.000	0.000	0.329	0.329
WCDMA B2	Ant.13	Front Side 10mm	0.237	0.221	0.102	0.135	0.458	0.474
		Back Side 10mm	0.425	0.372	0.498	0.089	0.797	1.012
		Left Edge 10mm	0.000	0.178	0.367	0.042	0.178	0.409
		Right Edge 10mm	0.041	0.000	0.000	0.000	0.041	0.041
		Top Edge 10mm	0.583	0.288	0.308	0.068	0.871	0.959
		Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000
WCDMA B2	Ant.31	Front Side 10mm	0.176	0.221	0.102	0.135	0.397	0.413
		Back Side 10mm	0.355	0.372	0.498	0.089	0.727	0.942
		Left Edge 10mm	0.122	0.178	0.367	0.042	0.300	0.531
		Right Edge 10mm	0.045	0.000	0.000	0.000	0.045	0.045
		Top Edge 10mm	0.000	0.288	0.308	0.068	0.288	0.376
		Bottom Edge 10mm	0.337	0.000	0.000	0.000	0.337	0.337
WCDMA B4	Ant.13	Front Side 10mm	0.350	0.221	0.102	0.135	0.571	0.587

		Back Side 10mm	0.351	0.372	0.498	0.089	0.723	0.938
		Left Edge 10mm	0.143	0.178	0.367	0.042	0.321	0.552
		Right Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000
		Top Edge 10mm	0.757	0.288	0.308	0.068	1.045	1.133
		Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000
WCDMA B4	Ant.31	Front Side 10mm	0.129	0.221	0.102	0.135	0.350	0.366
		Back Side 10mm	0.304	0.372	0.498	0.089	0.676	0.891
		Left Edge 10mm	0.023	0.178	0.367	0.042	0.201	0.432
		Right Edge 10mm	0.058	0.000	0.000	0.000	0.058	0.058
		Top Edge 10mm	0.000	0.288	0.308	0.068	0.288	0.376
		Bottom Edge 10mm	0.377	0.000	0.000	0.000	0.377	0.377
WCDMA B5	Ant.13	Front Side 10mm	0.222	0.221	0.102	0.135	0.443	0.459
		Back Side 10mm	0.273	0.372	0.498	0.089	0.645	0.860
		Left Edge 10mm	0.000	0.178	0.367	0.042	0.178	0.409
		Right Edge 10mm	0.127	0.000	0.000	0.000	0.127	0.127
		Top Edge 10mm	0.269	0.288	0.308	0.068	0.557	0.645
		Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000
WCDMA B5	Ant.31	Front Side 10mm	0.161	0.221	0.102	0.135	0.382	0.398
		Back Side 10mm	0.259	0.372	0.498	0.089	0.631	0.846
		Left Edge 10mm	0.069	0.178	0.367	0.042	0.247	0.478
		Right Edge 10mm	0.122	0.000	0.000	0.000	0.122	0.122
		Top Edge 10mm	0.000	0.288	0.308	0.068	0.288	0.376
		Bottom Edge 10mm	0.186	0.000	0.000	0.000	0.186	0.186
LTE B2	Ant.13	Front Side 10mm	0.219	0.221	0.102	0.135	0.440	0.456
		Back Side 10mm	0.394	0.372	0.498	0.089	0.766	0.981
		Left Edge 10mm	0.000	0.178	0.367	0.042	0.178	0.409
		Right Edge 10mm	0.090	0.000	0.000	0.000	0.090	0.090
		Top Edge 10mm	0.534	0.288	0.308	0.068	0.822	0.910
		Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000
LTE B2	Ant.31	Front Side 10mm	0.230	0.221	0.102	0.135	0.451	0.467
		Back Side 10mm	0.448	0.372	0.498	0.089	0.820	1.035
		Left Edge 10mm	0.150	0.178	0.367	0.042	0.328	0.559
		Right Edge 10mm	0.152	0.000	0.000	0.000	0.152	0.152
		Top Edge 10mm	0.000	0.288	0.308	0.068	0.288	0.376
		Bottom Edge 10mm	0.431	0.000	0.000	0.000	0.431	0.431
LTE B4	Ant.13	Front Side 10mm	0.320	0.221	0.102	0.135	0.541	0.557
		Back Side 10mm	0.393	0.372	0.498	0.089	0.765	0.980
		Left Edge 10mm	0.000	0.178	0.367	0.042	0.178	0.409
		Right Edge 10mm	0.130	0.000	0.000	0.000	0.130	0.130
		Top Edge 10mm	0.652	0.288	0.308	0.068	0.940	1.028
		Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000
LTE B4	Ant.31	Front Side 10mm	0.175	0.221	0.102	0.135	0.396	0.412
		Back Side 10mm	0.412	0.372	0.498	0.089	0.784	0.999

		Left Edge 10mm	0.070	0.178	0.367	0.042	0.248	0.479
		Right Edge 10mm	0.077	0.000	0.000	0.000	0.077	0.077
		Top Edge 10mm	0.000	0.288	0.308	0.068	0.288	0.376
		Bottom Edge 10mm	0.494	0.000	0.000	0.000	0.494	0.494
LTE B5	Ant.13	Front Side 10mm	0.293	0.221	0.102	0.135	0.514	0.530
		Back Side 10mm	0.359	0.372	0.498	0.089	0.731	0.946
		Left Edge 10mm	0.000	0.178	0.367	0.042	0.178	0.409
		Right Edge 10mm	0.165	0.000	0.000	0.000	0.165	0.165
		Top Edge 10mm	0.352	0.288	0.308	0.068	0.640	0.728
		Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000
LTE B5	Ant.31	Front Side 10mm	0.178	0.221	0.102	0.135	0.399	0.415
		Back Side 10mm	0.281	0.372	0.498	0.089	0.653	0.868
		Left Edge 10mm	0.075	0.178	0.367	0.042	0.253	0.484
		Right Edge 10mm	0.134	0.000	0.000	0.000	0.134	0.134
		Top Edge 10mm	0.000	0.288	0.308	0.068	0.288	0.376
		Bottom Edge 10mm	0.214	0.000	0.000	0.000	0.214	0.214
LTE B7	Ant.13	Front Side 10mm	0.167	0.221	0.102	0.135	0.388	0.404
		Back Side 10mm	0.393	0.372	0.498	0.089	0.765	0.980
		Left Edge 10mm	0.000	0.178	0.367	0.042	0.178	0.409
		Right Edge 10mm	0.062	0.000	0.000	0.000	0.062	0.062
		Top Edge 10mm	0.687	0.288	0.308	0.068	0.975	1.063
		Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000
LTE B7	Ant.31	Front Side 10mm	0.289	0.221	0.102	0.135	0.510	0.526
		Back Side 10mm	0.318	0.372	0.498	0.089	0.690	0.905
		Left Edge 10mm	0.313	0.178	0.367	0.042	0.491	0.722
		Right Edge 10mm	0.039	0.000	0.000	0.000	0.039	0.039
		Top Edge 10mm	0.000	0.288	0.308	0.068	0.288	0.376
		Bottom Edge 10mm	0.207	0.000	0.000	0.000	0.207	0.207
LTE B13	Ant.13	Front Side 10mm	0.130	0.221	0.102	0.135	0.351	0.367
		Back Side 10mm	0.149	0.372	0.498	0.089	0.521	0.736
		Left Edge 10mm	0.000	0.178	0.367	0.042	0.178	0.409
		Right Edge 10mm	0.137	0.000	0.000	0.000	0.137	0.137
		Top Edge 10mm	0.167	0.288	0.308	0.068	0.455	0.543
		Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000
LTE B13	Ant.31	Front Side 10mm	0.139	0.221	0.102	0.135	0.360	0.376
		Back Side 10mm	0.168	0.372	0.498	0.089	0.540	0.755
		Left Edge 10mm	0.118	0.178	0.367	0.042	0.296	0.527
		Right Edge 10mm	0.162	0.000	0.000	0.000	0.162	0.162
		Top Edge 10mm	0.000	0.288	0.308	0.068	0.288	0.376
		Bottom Edge 10mm	0.142	0.000	0.000	0.000	0.142	0.142
LTE B18	Ant.13	Front Side 10mm	0.259	0.221	0.102	0.135	0.480	0.496
		Back Side 10mm	0.332	0.372	0.498	0.089	0.704	0.919
		Left Edge 10mm	0.000	0.178	0.367	0.042	0.178	0.409

		Right Edge 10mm	0.132	0.000	0.000	0.000	0.132	0.132
		Top Edge 10mm	0.325	0.288	0.308	0.068	0.613	0.701
		Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000
LTE B18	Ant.31	Front Side 10mm	0.149	0.221	0.102	0.135	0.370	0.386
		Back Side 10mm	0.255	0.372	0.498	0.089	0.627	0.842
		Left Edge 10mm	0.076	0.178	0.367	0.042	0.254	0.485
		Right Edge 10mm	0.142	0.000	0.000	0.000	0.142	0.142
		Top Edge 10mm	0.000	0.288	0.308	0.068	0.288	0.376
		Bottom Edge 10mm	0.181	0.000	0.000	0.000	0.181	0.181
LTE B19	Ant.13	Front Side 10mm	0.281	0.221	0.102	0.135	0.502	0.518
		Back Side 10mm	0.343	0.372	0.498	0.089	0.715	0.930
		Left Edge 10mm	0.000	0.178	0.367	0.042	0.178	0.409
		Right Edge 10mm	0.162	0.000	0.000	0.000	0.162	0.162
		Top Edge 10mm	0.318	0.288	0.308	0.068	0.606	0.694
		Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000
LTE B19	Ant.31	Front Side 10mm	0.209	0.221	0.102	0.135	0.430	0.446
		Back Side 10mm	0.289	0.372	0.498	0.089	0.661	0.876
		Left Edge 10mm	0.081	0.178	0.367	0.042	0.259	0.490
		Right Edge 10mm	0.146	0.000	0.000	0.000	0.146	0.146
		Top Edge 10mm	0.000	0.288	0.308	0.068	0.288	0.376
		Bottom Edge 10mm	0.241	0.000	0.000	0.000	0.241	0.241
LTE B26	Ant.13	Front Side 10mm	0.261	0.221	0.102	0.135	0.482	0.498
		Back Side 10mm	0.349	0.372	0.498	0.089	0.721	0.936
		Left Edge 10mm	0.000	0.178	0.367	0.042	0.178	0.409
		Right Edge 10mm	0.142	0.000	0.000	0.000	0.142	0.142
		Top Edge 10mm	0.307	0.288	0.308	0.068	0.595	0.683
		Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000
LTE B26	Ant.31	Front Side 10mm	0.157	0.221	0.102	0.135	0.378	0.394
		Back Side 10mm	0.263	0.372	0.498	0.089	0.635	0.850
		Left Edge 10mm	0.071	0.178	0.367	0.042	0.249	0.480
		Right Edge 10mm	0.148	0.000	0.000	0.000	0.148	0.148
		Top Edge 10mm	0.000	0.288	0.308	0.068	0.288	0.376
		Bottom Edge 10mm	0.205	0.000	0.000	0.000	0.205	0.205
LTE 66	Ant.13	Front Side 10mm	0.170	0.221	0.102	0.135	0.391	0.407
		Back Side 10mm	0.241	0.372	0.498	0.089	0.613	0.828
		Left Edge 10mm	0.000	0.178	0.367	0.042	0.178	0.409
		Right Edge 10mm	0.068	0.000	0.000	0.000	0.068	0.068
		Top Edge 10mm	0.379	0.288	0.308	0.068	0.667	0.755
		Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000
LTE 66	Ant.31	Front Side 10mm	0.120	0.221	0.102	0.135	0.341	0.357
		Back Side 10mm	0.269	0.372	0.498	0.089	0.641	0.856
		Left Edge 10mm	0.052	0.178	0.367	0.042	0.230	0.461
		Right Edge 10mm	0.020	0.000	0.000	0.000	0.020	0.020

		Top Edge 10mm	0.000	0.288	0.308	0.068	0.288	0.376
		Bottom Edge 10mm	0.345	0.000	0.000	0.000	0.345	0.345
LTE B38	Ant.13	Front Side 10mm	0.139	0.221	0.102	0.135	0.360	0.376
		Back Side 10mm	0.336	0.372	0.498	0.089	0.708	0.923
		Left Edge 10mm	0.000	0.178	0.367	0.042	0.178	0.409
		Right Edge 10mm	0.042	0.000	0.000	0.000	0.042	0.042
		Top Edge 10mm	0.578	0.288	0.308	0.068	0.866	0.954
		Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000
LTE B38	Ant.31	Front Side 10mm	0.277	0.221	0.102	0.135	0.498	0.514
		Back Side 10mm	0.302	0.372	0.498	0.089	0.674	0.889
		Left Edge 10mm	0.296	0.178	0.367	0.042	0.474	0.705
		Right Edge 10mm	0.036	0.000	0.000	0.000	0.036	0.036
		Top Edge 10mm	0.000	0.288	0.308	0.068	0.288	0.376
		Bottom Edge 10mm	0.195	0.000	0.000	0.000	0.195	0.195
LTE B41	Ant.13	Front Side 10mm	0.122	0.221	0.102	0.135	0.343	0.359
		Back Side 10mm	0.287	0.372	0.498	0.089	0.659	0.874
		Left Edge 10mm	0.000	0.178	0.367	0.042	0.178	0.409
		Right Edge 10mm	0.045	0.000	0.000	0.000	0.045	0.045
		Top Edge 10mm	0.523	0.288	0.308	0.068	0.811	0.899
		Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000
LTE B41	Ant.31	Front Side 10mm	0.219	0.221	0.102	0.135	0.440	0.456
		Back Side 10mm	0.241	0.372	0.498	0.089	0.613	0.828
		Left Edge 10mm	0.236	0.178	0.367	0.042	0.414	0.645
		Right Edge 10mm	0.031	0.000	0.000	0.000	0.031	0.031
		Top Edge 10mm	0.000	0.288	0.308	0.068	0.288	0.376
		Bottom Edge 10mm	0.155	0.000	0.000	0.000	0.155	0.155

Note:

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

2: The highest Summed 1g SAR is 1.133 W/Kg < 1.6 W/kg, so Simultaneous Transmission SAR test is not required.

13 TEST EQUIPMENTS LIST

Description	Manufacturer	Model	Serial No./Version	Cal. Date	Cal. Due
PC	Dell	N/A	N/A	N/A	N/A
Test Software	Speag	DASY5	52.8.8.1222	N/A	N/A
835MHz Validation Dipole	Speag	D835V2	SN: 4d187	2024/05/08	2027/05/07
1750MHz Validation Dipole	Speag	D1750V2	SN: 1130	2024/05/08	2027/05/07
1950MHz Validation Dipole	Speag	D1950V3	SN: 1240	2024/08/22	2027/08/21
2450MHz Validation Dipole	Speag	D2450V2	SN: 952	2024/05/07	2027/05/06
2600MHz Validation Dipole	Speag	D2600V2	SN: 1095	2024/05/08	2027/05/07
5GHz Validation Dipole	Speag	D5GHzV2	SN: 1200	2024/05/09	2027/05/08
Data Acquisition Electronics	Speag	DAE4	SN: 540	2024/02/22	2025/02/21
E-Field Probe	Speag	EX3DV4	SN: 3748	2024/04/12	2025/04/11
E-Field Probe	Speag	EX3DV4	SN: 7510	2024/06/25	2025/06/24
Signal Generator	R&S	SMB100A	177746	2024/04/24	2025/04/23
Power Meter	R&S	NRVD-B2	835843/014	2024/08/08	2025/08/07
Power Sensor	R&S	NRV-Z4	100381	2024/08/08	2025/08/07
Power Sensor	R&S	NRV-Z2	100211	2024/08/08	2025/08/07
Wireless Communication Test Set	Anritsu	MT8820C	6201502974	2024/08/01	2025/07/31
Network Analyzer	Agilent	E5071C	MY46103472	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
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: 1576	N/A	N/A
Attenuator	COM-MW	ZA-S1-31	1305003187	N/A	N/A
Directional coupler	AA-MCS	AAMCS-UDC	000272	N/A	N/A

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

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

ANNEX A SIMULATING LIQUID VERIFICATION RESULT

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

Head Liquid

Date	Liquid Type	Fre. (MHz)	Temp. (°C)	Meas. Conductivity (σ) (S/m)	Meas. Permittivity (ϵ)	Target Conductivity (σ) (S/m)	Target Permittivity (ϵ)	Conductivity Tolerance (%)	Permittivity Tolerance (%)
2024.12.30	Head	835	21.3	0.91	41.74	0.90	41.50	1.11	0.58
2025.01.01	Head	835	21.3	0.89	41.80	0.90	41.50	-1.11	0.72
2025.01.02	Head	835	21.6	0.87	42.55	0.90	41.50	-3.33	2.53
2025.01.03	Head	1750	21.7	1.37	39.84	1.37	40.08	0.00	-0.60
2025.01.04	Head	1750	21.4	1.40	39.84	1.37	40.08	2.19	-0.60
2025.01.13	Head	1750	21.6	1.41	41.46	1.37	40.08	2.92	3.44
2024.12.31	Head	1950	21.5	1.42	38.94	1.40	40.00	1.43	-2.65
2025.01.05	Head	1950	21.5	1.43	40.47	1.40	40.00	2.14	1.18
2025.01.09	Head	2450	21.5	1.82	38.13	1.80	39.20	1.11	-2.73
2025.01.06	Head	2600	21.4	1.96	37.95	1.96	39.01	0.00	-2.72
2025.01.07	Head	2600	21.7	2.01	38.35	1.96	39.01	2.55	-1.69
2025.01.08	Head	2600	21.4	1.94	38.37	1.96	39.01	-1.02	-1.64
2025.01.14	Head	2600	21.5	1.90	38.97	1.96	39.01	-3.06	-0.10
2025.01.10	Head	5250	21.2	4.61	35.81	4.71	35.93	-2.12	-0.33
2025.01.11	Head	5600	21.4	5.09	35.46	5.07	35.53	0.39	-0.20
2025.01.12	Head	5750	21.7	5.14	35.40	5.22	35.36	-1.53	0.11

Note: The tolerance limit of Conductivity and Permittivity is $\pm 5\%$.

ANNEX B SYSTEM CHECK RESULT

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

Head liquid 1g

Date	Liquid Type	Freq. (MHz)	Power (mW)	Measured SAR (W/kg)	Normalized SAR (W/kg)	Dipole SAR (W/kg)	Tolerance (%)
2024.12.30	Head	835	100	0.98	9.76	9.74	0.21
2025.01.01	Head	835	100	0.98	9.77	9.74	0.31
2025.01.02	Head	835	100	0.97	9.71	9.74	-0.31
2025.01.03	Head	1750	100	3.87	38.70	37.00	4.59
2025.01.04	Head	1750	100	3.84	38.40	37.00	3.78
2025.01.13	Head	1750	100	3.83	38.30	37.00	3.51
2024.12.31	Head	1950	100	4.19	41.90	41.70	0.48
2025.01.05	Head	1950	100	4.17	41.70	41.70	0.00
2025.01.09	Head	2450	100	5.33	53.30	52.60	1.33
2025.01.06	Head	2600	100	5.61	56.10	55.90	0.36
2025.01.07	Head	2600	100	5.63	56.30	55.90	0.72
2025.01.08	Head	2600	100	5.66	56.60	55.90	1.25
2025.01.14	Head	2600	100	5.65	56.50	55.90	1.07
2025.01.10	Head	5250	100	7.92	79.20	77.70	1.93
2025.01.11	Head	5600	100	8.53	85.30	81.30	4.92
2025.01.12	Head	5750	100	8.07	80.70	77.60	3.99

Note: The tolerance limit of System validation $\pm 10\%$.

Head liquid 10g

Date	Freq. (MHz)	Power (mW)	Measured SAR (W/kg)	Normalized SAR (W/kg)	Dipole SAR (W/kg)	Tolerance (%)
2025.01.09	2450	100	2.52	25.20	24.70	2.02
2025.01.10	5250	100	2.19	21.90	22.00	-0.45
2025.01.11	5600	100	2.33	23.30	23.10	0.87
2025.01.12	5750	100	2.16	21.60	21.90	-1.37
Note: The tolerance limit of System validation $\pm 10\%$.						

System Performance Check Data (835MHz)

Date: 2024.12.30

Communication System Band: D835 (835.0 MHz); Frequency: 835 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 835$ MHz; $\sigma = 0.911$ S/m; $\epsilon_r = 41.744$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.2°C Liquid Temperature: 21.3°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3748; ConvF(8.73, 8.73, 8.73); Calibrated: 2024.04.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn540; Calibrated: 2024.02.22
- 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

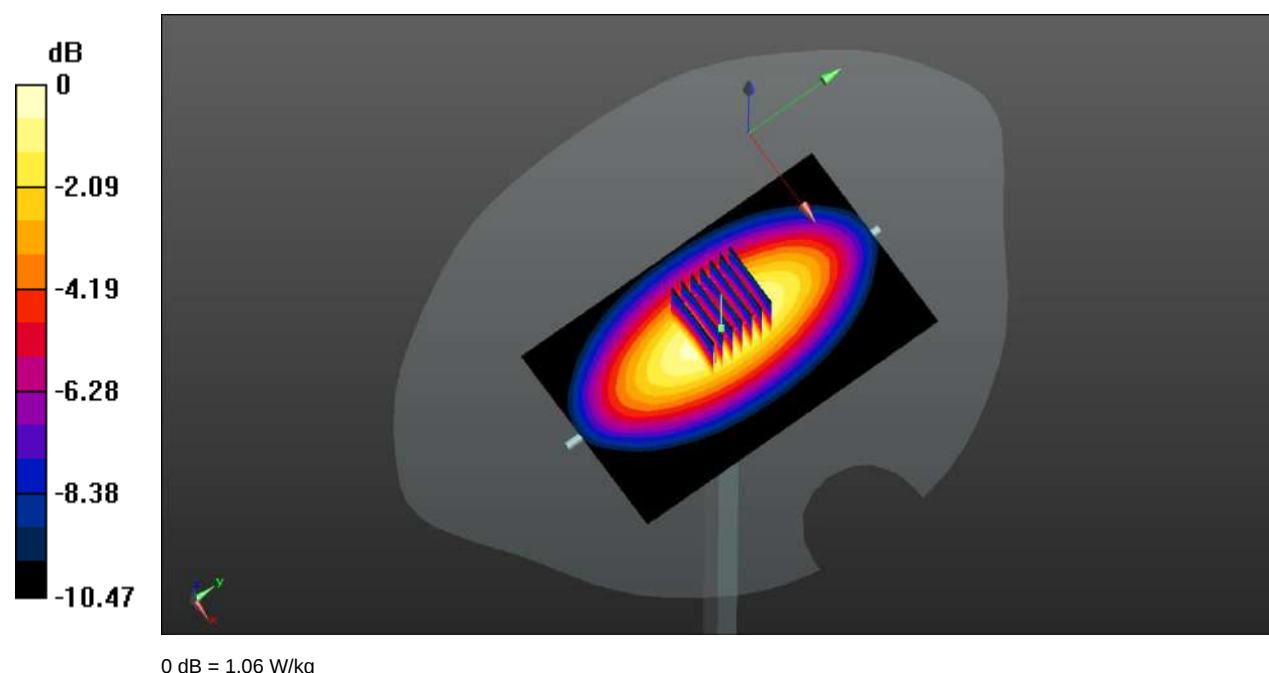
Peak SAR (extrapolated) = 1.44 W/kg

SAR(1 g) = 0.976 W/kg; SAR(10 g) = 0.637 W/kg

Smallest distance from peaks to all points 3 dB below = 19.6 mm

Ratio of SAR at M2 to SAR at M1 = 69.3%

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



System Performance Check Data (835MHz)

Date: 2025.01.01

Communication System Band: D835 (835.0 MHz); Frequency: 835 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 835$ MHz; $\sigma = 0.886$ S/m; $\epsilon_r = 41.804$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.3°C Liquid Temperature: 21.3°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3748; ConvF(8.73, 8.73, 8.73); Calibrated: 2024.04.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn540; Calibrated: 2024.02.22
- 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: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 34.62 V/m; Power Drift = 0.06 dB

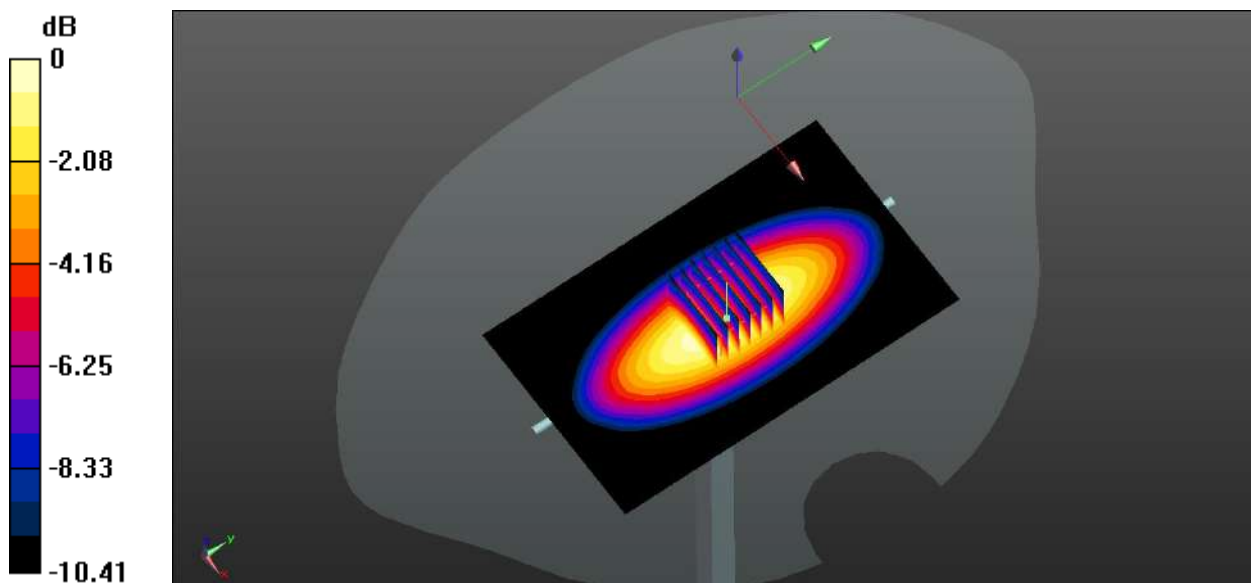
Peak SAR (extrapolated) = 1.44 W/kg

SAR(1 g) = 0.977 W/kg; SAR(10 g) = 0.639 W/kg

Smallest distance from peaks to all points 3 dB below = 19.9 mm

Ratio of SAR at M2 to SAR at M1 = 69.5%

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



0 dB = 1.03 W/kg

System Performance Check Data (835MHz)

Date: 2025.01.02

Communication System Band: D835 (835.0 MHz); Frequency: 835 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 835$ MHz; $\sigma = 0.898$ S/m; $\epsilon_r = 41.865$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.4°C Liquid Temperature: 21.6°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3748; ConvF(8.73, 8.73, 8.73); Calibrated: 2024.04.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn540; Calibrated: 2024.02.22
- 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 (61x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

CW 835/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 32.64 V/m; Power Drift = -0.02 dB

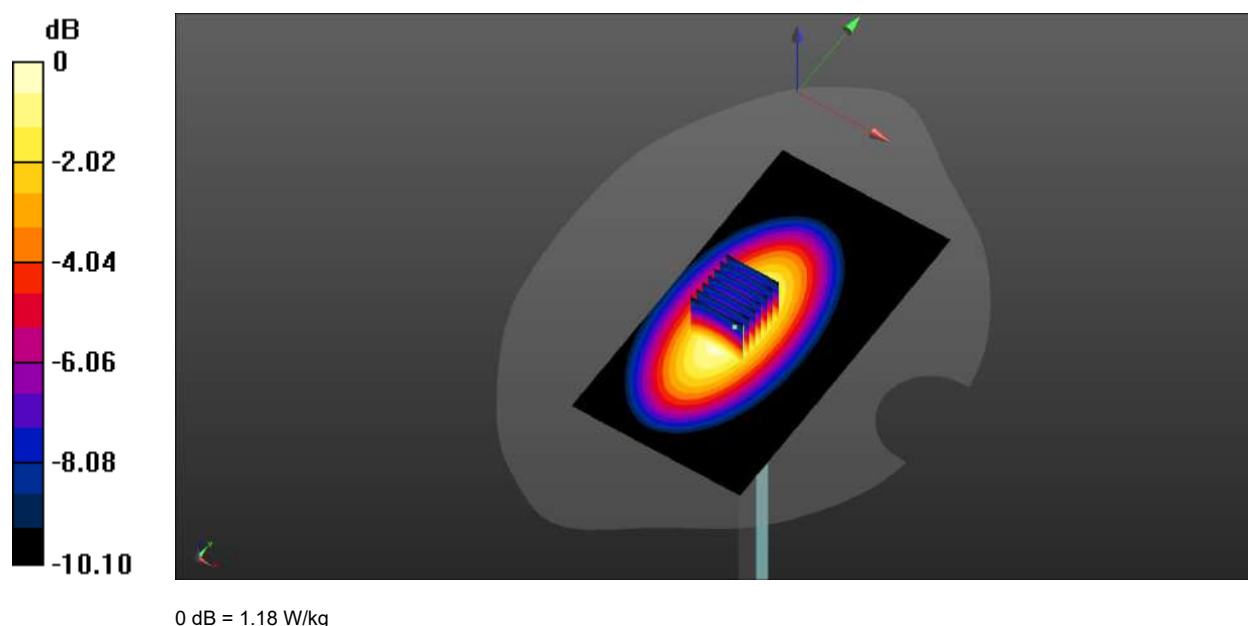
Peak SAR (extrapolated) = 1.23 W/kg

SAR(1 g) = 0.971 W/kg; SAR(10 g) = 0.632 W/kg

Smallest distance from peaks to all points 3 dB below = 19.3 mm

Ratio of SAR at M2 to SAR at M1 = 68.8%

Maximum value of SAR (measured) = 1.18 W/kg



System Performance Check Data (1750MHz)

Date: 2025.01.03

Communication System Band: D1750 (1750.0 MHz); Frequency: 1750 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 1750$ MHz; $\sigma = 1.366$ S/m; $\epsilon_r = 39.84$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.5°C Liquid Temperature: 21.7°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3748; ConvF(7.35, 7.35, 7.35); Calibrated: 2024.04.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn540; Calibrated: 2024.02.22
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW 1750/Area Scan (101x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 4.32 W/kg

CW 1750/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 54.78 V/m; Power Drift = -0.03 dB

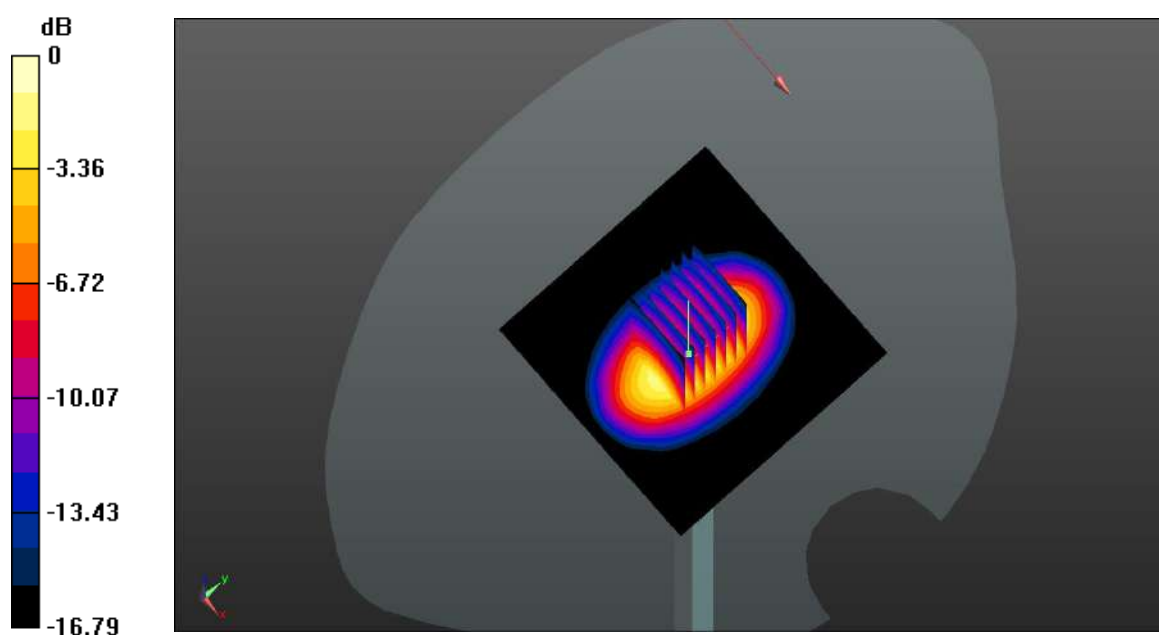
Peak SAR (extrapolated) = 7.05 W/kg

SAR(1 g) = 3.87 W/kg; SAR(10 g) = 2.05 W/kg

Smallest distance from peaks to all points 3 dB below = 10.9 mm

Ratio of SAR at M2 to SAR at M1 = 59.5%

Maximum value of SAR (measured) = 4.26 W/kg



0 dB = 4.26 W/kg

System Performance Check Data (1750MHz)

Date: 2025.01.04

Communication System Band: D1750 (1750.0 MHz); Frequency: 1750 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 1750$ MHz; $\sigma = 1.399$ S/m; $\epsilon_r = 39.839$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.1°C Liquid Temperature: 21.4°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3748; ConvF(7.35, 7.35, 7.35); Calibrated: 2024.04.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn540; Calibrated: 2024.02.22
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW 1750/Area Scan (101x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 4.36 W/kg

CW 1750/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 54.08 V/m; Power Drift = 0.09 dB

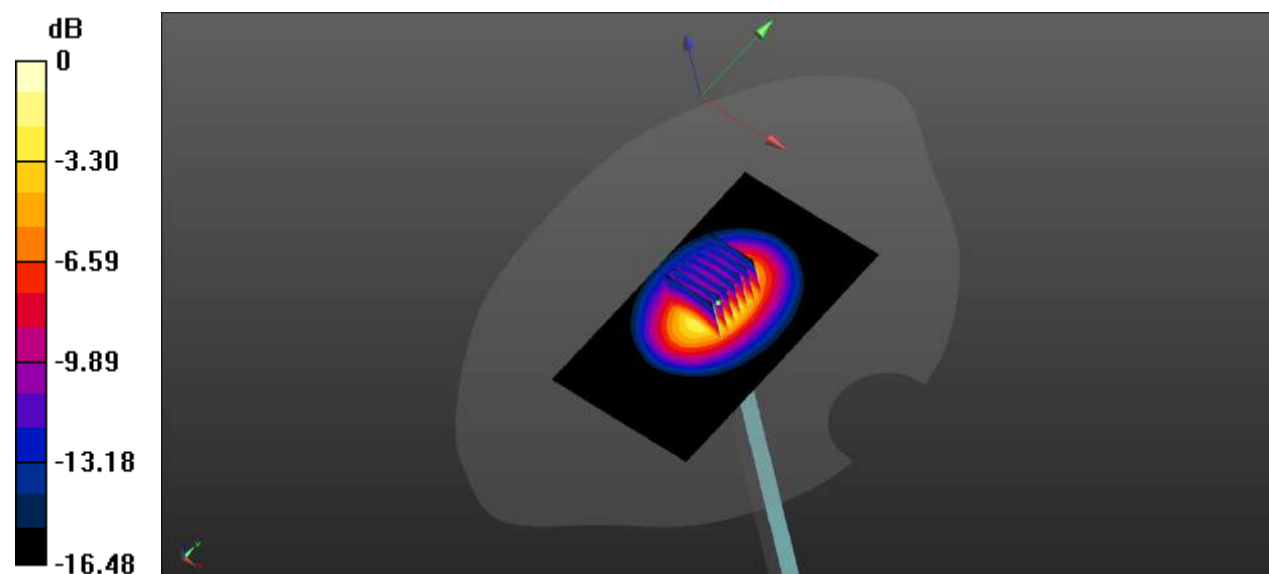
Peak SAR (extrapolated) = 6.45 W/kg

SAR(1 g) = 3.84 W/kg; SAR(10 g) = 2.01 W/kg

Smallest distance from peaks to all points 3 dB below = 10.5 mm

Ratio of SAR at M2 to SAR at M1 = 59.2%

Maximum value of SAR (measured) = 4.38 W/kg



System Performance Check Data (1750MHz)

Date: 2025.01.13

Communication System Band: D1750 (1750.0 MHz); Frequency: 1750 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1750$ MHz; $\sigma = 1.413$ S/m; $\epsilon_r = 41.463$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.5°C Liquid Temperature: 21.6°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3748; ConvF(7.35, 7.35, 7.35); Calibrated: 2024.04.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn540; Calibrated: 2024.02.22
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW 1750/Area Scan (101x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 4.22 W/kg

CW 1750/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 56.14 V/m; Power Drift = -0.02 dB

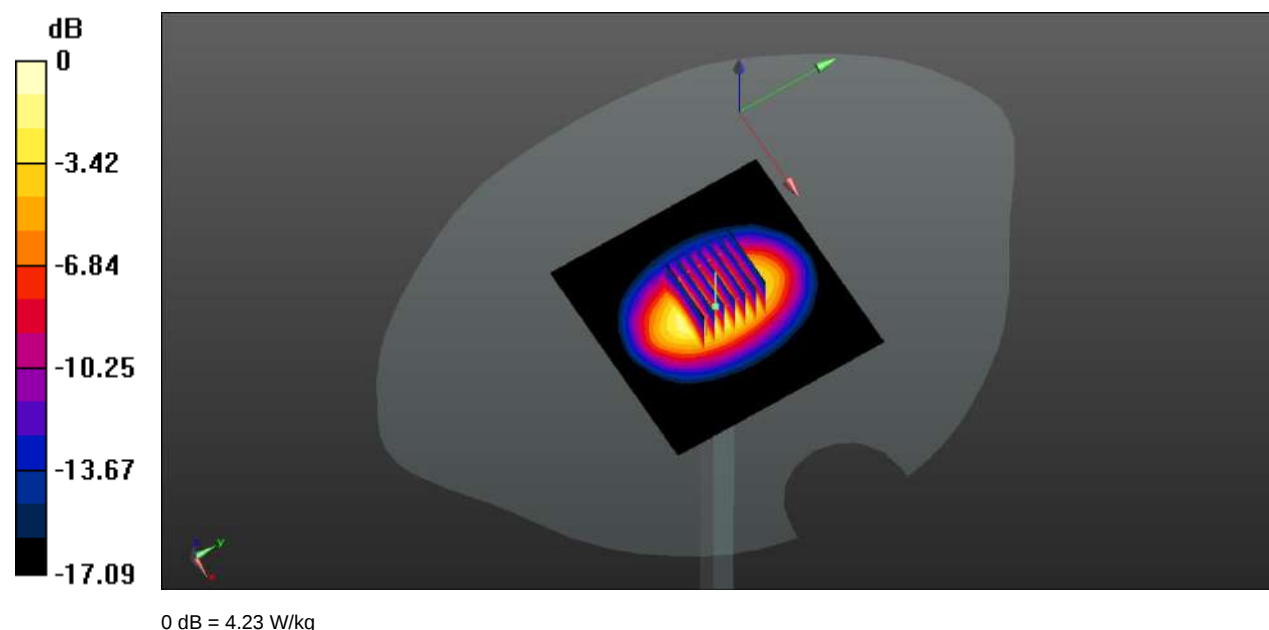
Peak SAR (extrapolated) = 7.02 W/kg

SAR(1 g) = 3.83 W/kg; SAR(10 g) = 2.05 W/kg

Smallest distance from peaks to all points 3 dB below = 11.2 mm

Ratio of SAR at M2 to SAR at M1 = 58.8%

Maximum value of SAR (measured) = 4.23 W/kg



System Performance Check Data (1950MHz)

Date: 2024.12.31

Communication System Band: D1950 (1950.0 MHz); Frequency: 1950 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1950$ MHz; $\sigma = 1.418$ S/m; $\epsilon_r = 38.94$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.4°C Liquid Temperature: 21.5°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3748; ConvF(7.19, 7.19, 7.19); Calibrated: 2024.04.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn540; Calibrated: 2024.02.22
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW1950/Area Scan (101x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 4.52 W/kg

CW1950/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 54.21 V/m; Power Drift = 0.06 dB

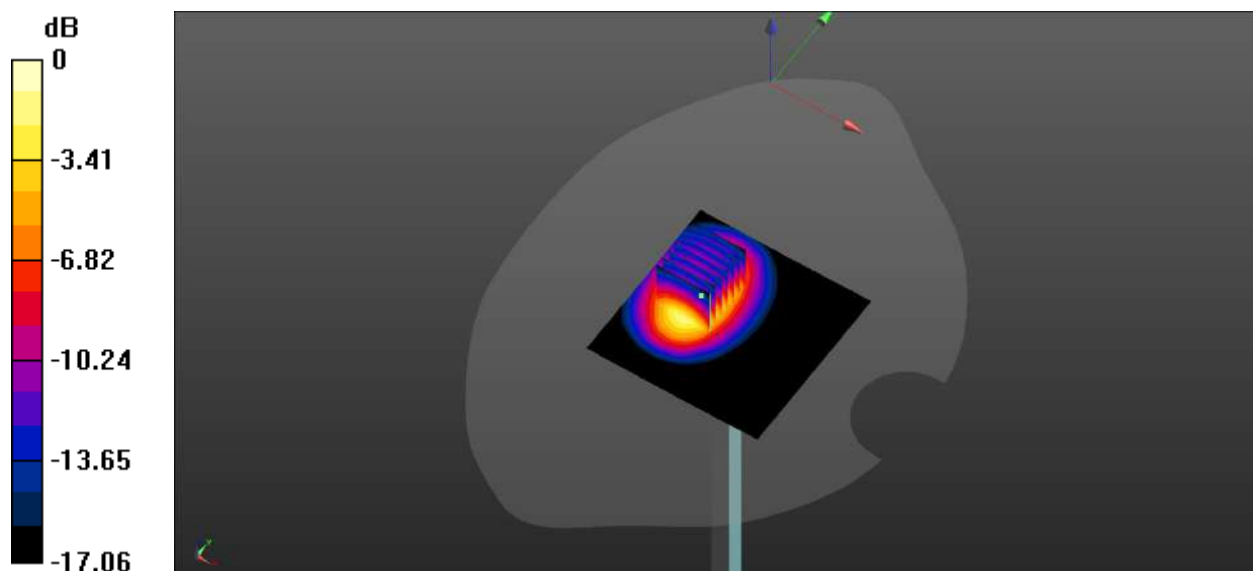
Peak SAR (extrapolated) = 6.34 W/kg

SAR(1 g) = 4.19 W/kg; SAR(10 g) = 2.21 W/kg

Smallest distance from peaks to all points 3 dB below = 11.2 mm

Ratio of SAR at M2 to SAR at M1 = 55.8%

Maximum value of SAR (measured) = 4.49 W/kg



0 dB = 4.49 W/kg

System Performance Check Data (1950MHz)

Date: 2025.01.05

Communication System Band: D1950 (1950.0 MHz); Frequency: 1950 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1950$ MHz; $\sigma = 1.425$ S/m; $\epsilon_r = 40.468$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.4°C Liquid Temperature: 21.5°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3748; ConvF(7.19, 7.19, 7.19); Calibrated: 2024.04.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn540; Calibrated: 2024.02.22
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW 1950/Area Scan (101x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 4.59 W/kg

CW 1950/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 53.15 V/m; Power Drift = 0.07 dB

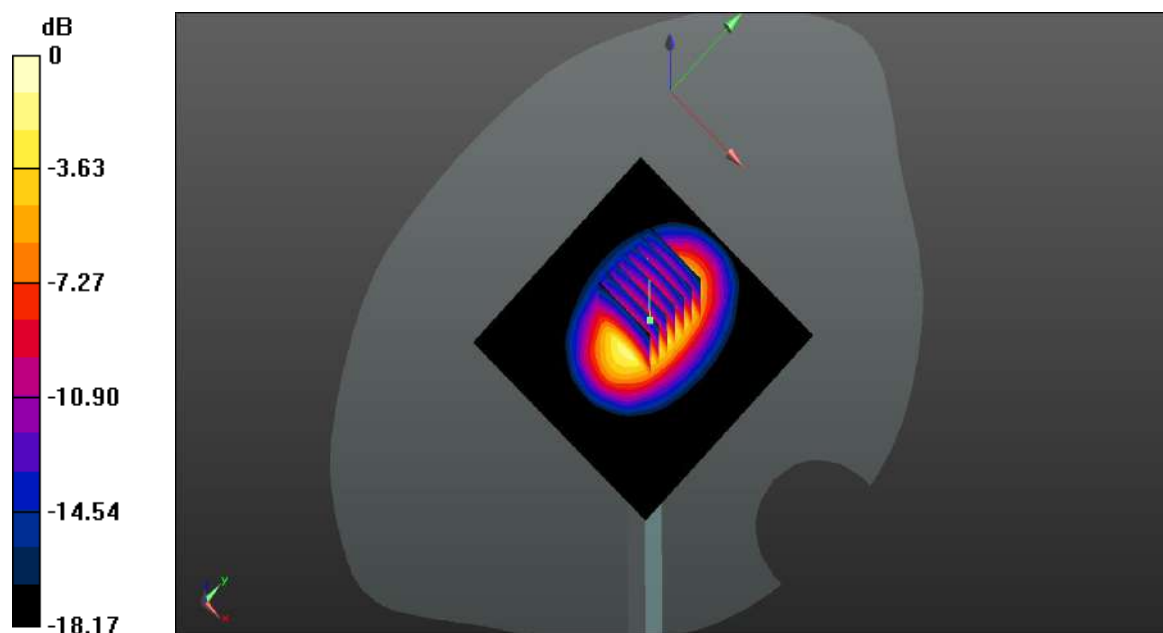
Peak SAR (extrapolated) = 7.52 W/kg

SAR(1 g) = 4.17 W/kg; SAR(10 g) = 2.23 W/kg

Smallest distance from peaks to all points 3 dB below = 11.0 mm

Ratio of SAR at M2 to SAR at M1 = 55.3%

Maximum value of SAR (measured) = 4.55 W/kg



0 dB = 4.55 W/kg

System Performance Check Data (2450MHz)

Date: 2025.01.09

Communication System Band: D2450 (2450.0 MHz); Frequency: 2450 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2450$ MHz; $\sigma = 1.815$ S/m; $\epsilon_r = 38.126$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.3°C Liquid Temperature: 21.5°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.75, 7.75, 7.75); Calibrated: 2024.06.25;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn540; Calibrated: 2024.02.22
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW 2450/Area Scan (101x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 6.35 W/kg

CW 2450/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 58.02 V/m; Power Drift = 0.01 dB

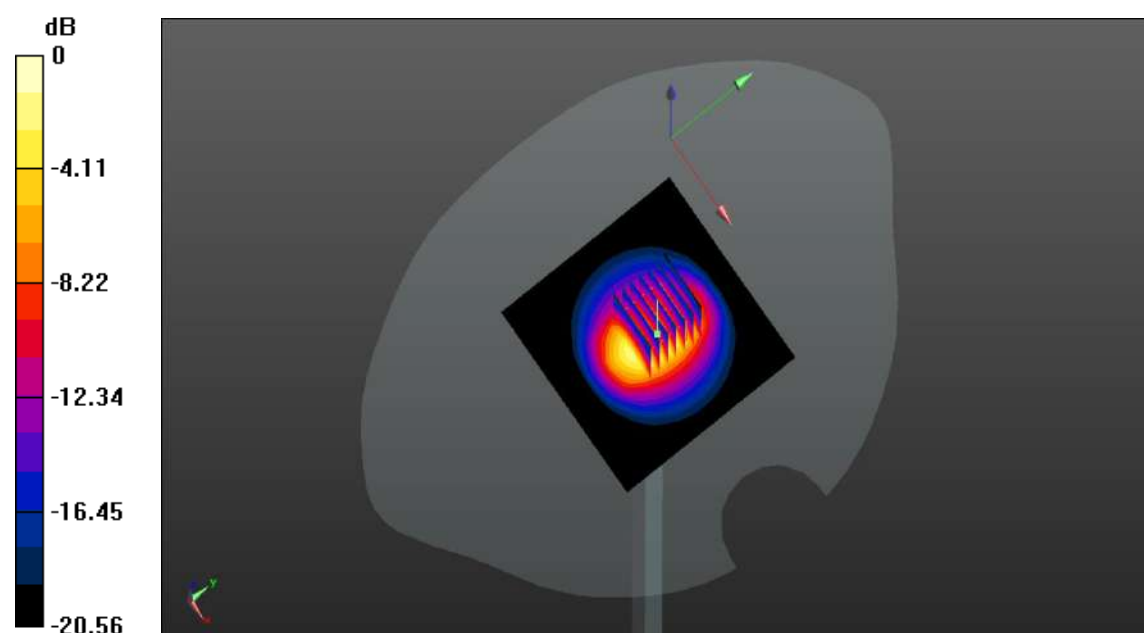
Peak SAR (extrapolated) = 11.4 W/kg

SAR(1 g) = 5.33 W/kg; SAR(10 g) = 2.52 W/kg

Smallest distance from peaks to all points 3 dB below = 9.8 mm

Ratio of SAR at M2 to SAR at M1 = 51.1%

Maximum value of SAR (measured) = 6.12 W/kg



0 dB = 6.12 W/kg

System Performance Check Data (2600MHz)

Date: 2025.01.06

Communication System Band: D2600 (2600.0 MHz); Frequency: 2600 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2600$ MHz; $\sigma = 1.956$ S/m; $\epsilon_r = 37.952$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Ambient Temperature: 22.2°C Liquid Temperature: 21.4°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3748; ConvF(6.8, 6.8, 6.8); Calibrated: 2024.04.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn540; Calibrated: 2024.02.22
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW 2600/Area Scan (101x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 6.48 W/kg

CW 2600/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 47.37 V/m; Power Drift = 0.05 dB

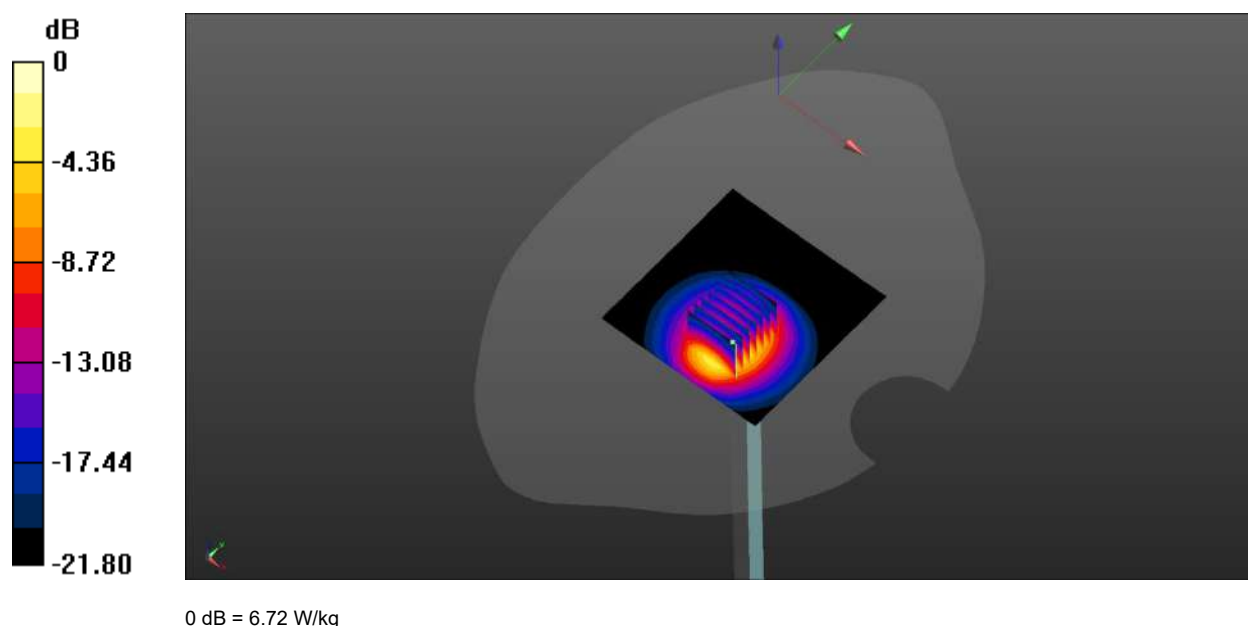
Peak SAR (extrapolated) = 10.9 W/kg

SAR(1 g) = 5.61 W/kg; SAR(10 g) = 2.59 W/kg

Smallest distance from peaks to all points 3 dB below = 10.2 mm

Ratio of SAR at M2 to SAR at M1 = 51.8%

Maximum value of SAR (measured) = 6.72 W/kg



System Performance Check Data (2600MHz)

Date: 2025.01.07

Communication System Band: D2600 (2600.0 MHz); Frequency: 2600 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2600$ MHz; $\sigma = 2.011$ S/m; $\epsilon_r = 38.347$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Ambient Temperature: 22.5°C Liquid Temperature: 21.7°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3748; ConvF(6.8, 6.8, 6.8); Calibrated: 2024.04.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn540; Calibrated: 2024.02.22
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW 2600 /Area Scan (101x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 6.46 W/kg

CW 2600 /Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 46.94 V/m; Power Drift = -0.07 dB

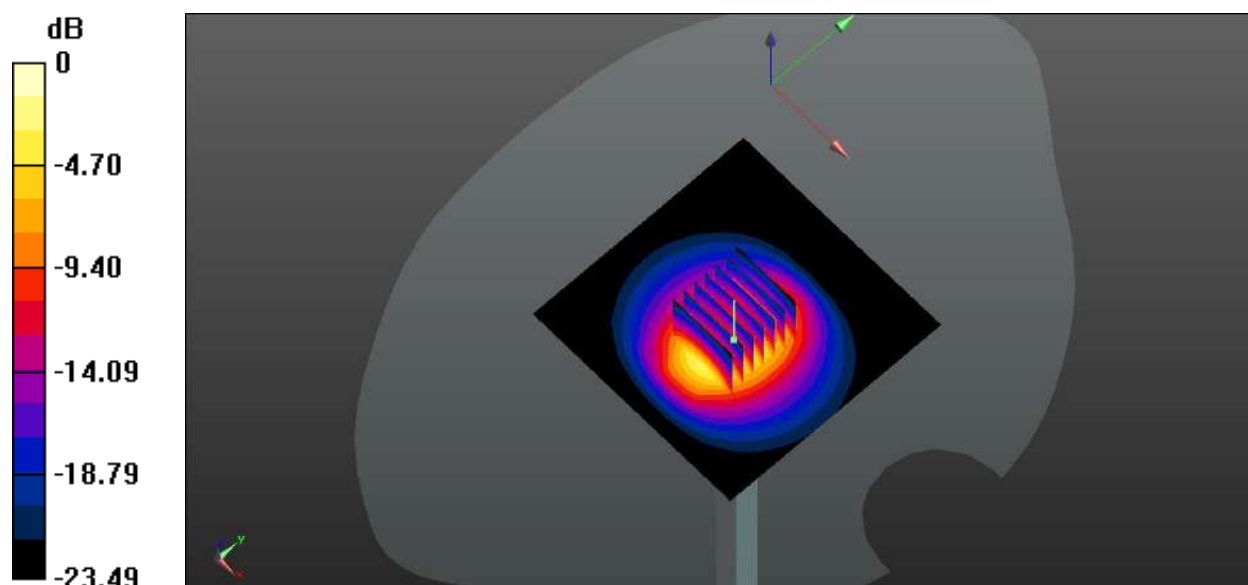
Peak SAR (extrapolated) = 12.5 W/kg

SAR(1 g) = 5.63 W/kg; SAR(10 g) = 2.56 W/kg

Smallest distance from peaks to all points 3 dB below = 10.1 mm

Ratio of SAR at M2 to SAR at M1 = 50.8%

Maximum value of SAR (measured) = 6.29 W/kg



0 dB = 6.29 W/kg

System Performance Check Data (2600MHz)

Date: 2025.01.08

Communication System Band: D2600 (2600.0 MHz); Frequency: 2600 MHz; Duty Cycle: 1:1

Medium parameters used (extrapolated): $f = 2600$ MHz; $\sigma = 1.94$ S/m; $\epsilon_r = 38.369$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.2°C Liquid Temperature: 21.4°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3748; ConvF(6.8, 6.8, 6.8); Calibrated: 2024.04.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn540; Calibrated: 2024.02.22
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW 2600/Area Scan (101x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 6.16 W/kg

CW 2600/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 42.52 V/m; Power Drift = -0.11 dB

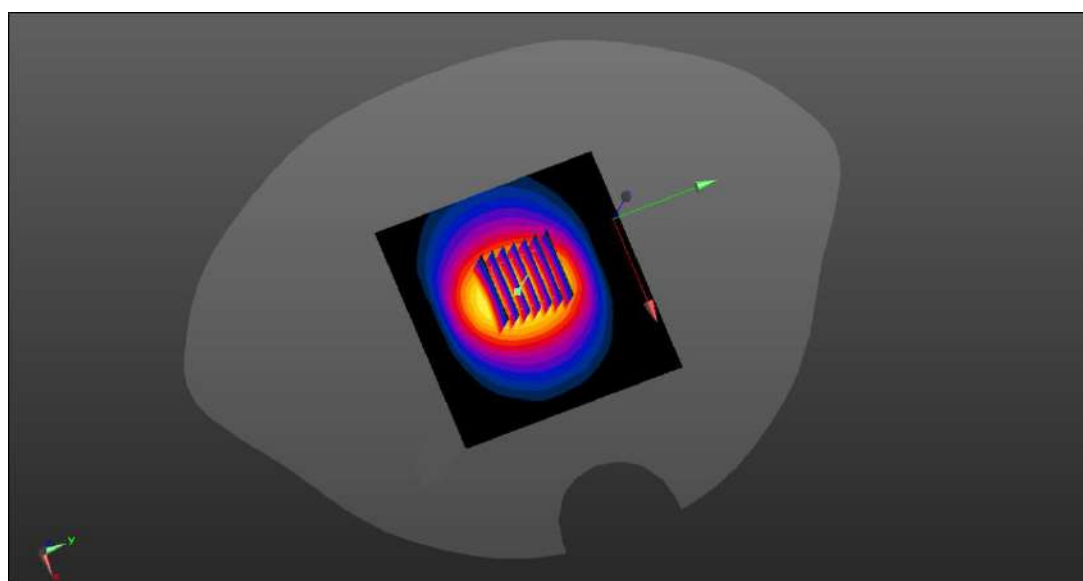
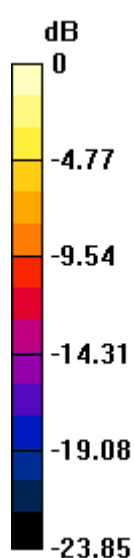
Peak SAR (extrapolated) = 12.2 W/kg

SAR(1 g) = 5.66 W/kg; SAR(10 g) = 2.55 W/kg

Smallest distance from peaks to all points 3 dB below = 10.5 mm

Ratio of SAR at M2 to SAR at M1 = 51.3%

Maximum value of SAR (measured) = 6.18 W/kg



0 dB = 6.18 W/kg

System Performance Check Data (2600MHz)

Date: 2025.01.14

Communication System Band: D2600 (2600.0 MHz); Frequency: 2600 MHz; Duty Cycle: 1:1

Medium parameters used (extrapolated): $f = 2600$ MHz; $\sigma = 1.895$ S/m; $\epsilon_r = 38.967$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.2°C Liquid Temperature: 21.5°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3748; ConvF(6.8, 6.8, 6.8); Calibrated: 2024.04.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn540; Calibrated: 2024.02.22
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW 2600/Area Scan (101x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 6.21 W/kg

CW 2600/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 42.25 V/m; Power Drift = 0.03 dB

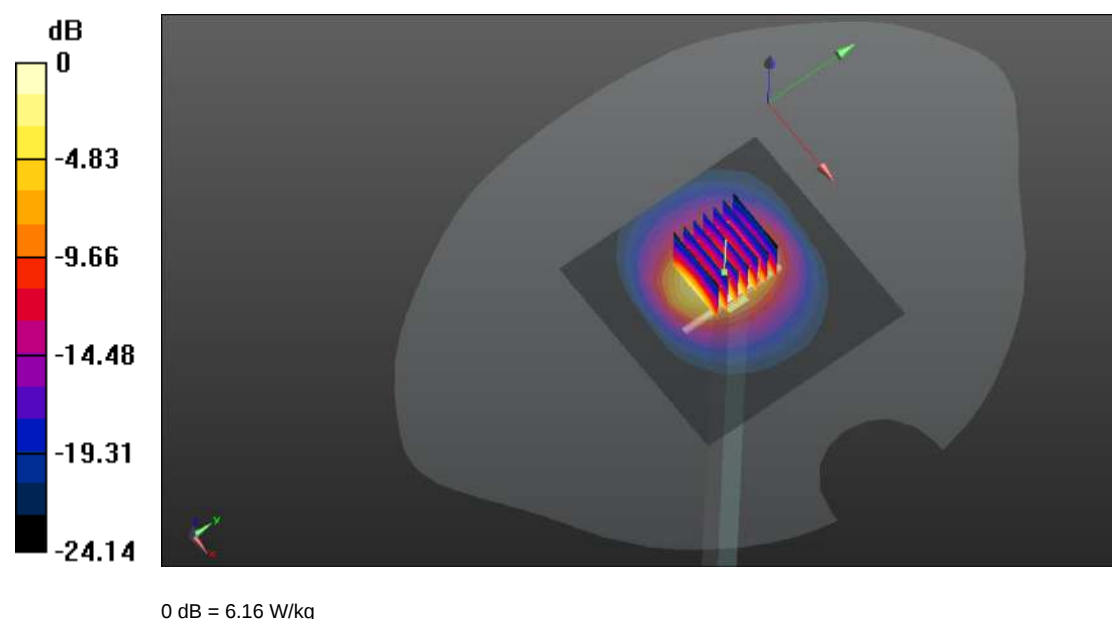
Peak SAR (extrapolated) = 12.1 W/kg

SAR(1 g) = 5.65 W/kg; SAR(10 g) = 2.55 W/kg

Smallest distance from peaks to all points 3 dB below = 10.2 mm

Ratio of SAR at M2 to SAR at M1 = 51.0%

Maximum value of SAR (measured) = 6.16 W/kg



System Performance Check Data (5250MHz)

Date: 2025.01.10

Communication System Band: D5GHz (5000.0 - 6000.0 MHz); Frequency: 5250 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5250$ MHz; $\sigma = 4.612$ S/m; $\epsilon_r = 35.811$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.1°C Liquid Temperature: 21.2°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(5.74, 5.74, 5.74); Calibrated: 2024.06.25;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn540; Calibrated: 2024.02.22
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW 5250/Area Scan (101x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 8.52 W/kg

CW 5250/Zoom Scan (7x7x21)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 37.64 V/m; Power Drift = 0.04 dB

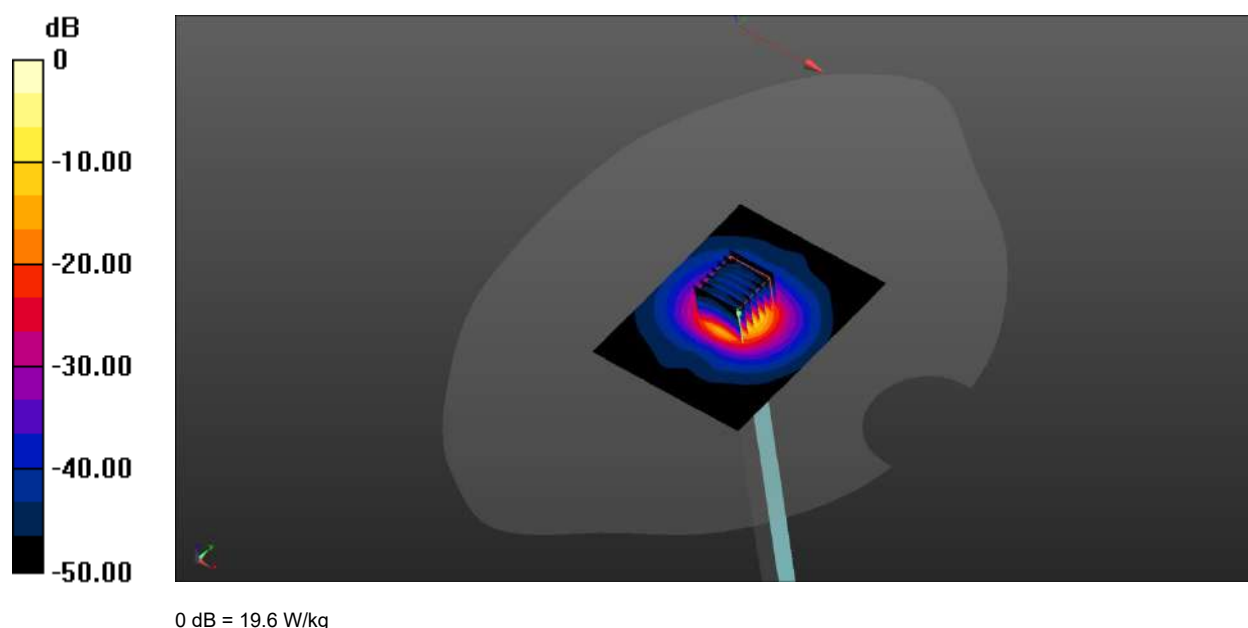
Peak SAR (extrapolated) = 33.2 W/kg

SAR(1 g) = 7.92 W/kg; SAR(10 g) = 2.19 W/kg

Smallest distance from peaks to all points 3 dB below = 7.5 mm

Ratio of SAR at M2 to SAR at M1 = 54.8%

Maximum value of SAR (measured) = 19.6 W/kg



System Performance Check Data (5600MHz)

Date: 2025.01.11

Communication System Band: D5GHz (5000.0 - 6000.0 MHz); Frequency: 5600 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5600$ MHz; $\sigma = 5.094$ S/m; $\epsilon_r = 35.458$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.2°C Liquid Temperature: 21.4°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(5, 5, 5); Calibrated: 2024.06.25;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn540; Calibrated: 2024.02.22
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW 5600/Area Scan (101x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 8.38 W/kg

CW 5600/Zoom Scan (7x7x21)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 34.63 V/m; Power Drift = 0.13 dB

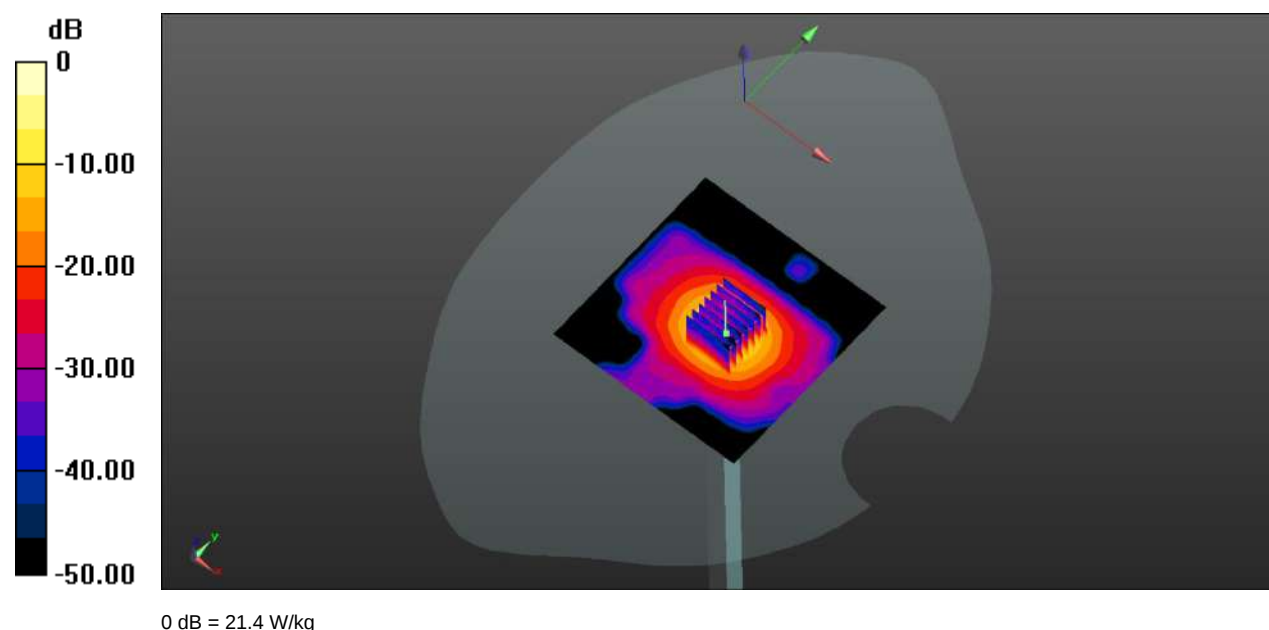
Peak SAR (extrapolated) = 38.4 W/kg

SAR(1 g) = 8.53 W/kg; SAR(10 g) = 2.33 W/kg

Smallest distance from peaks to all points 3 dB below = 7.3 mm

Ratio of SAR at M2 to SAR at M1 = 52.5%

Maximum value of SAR (measured) = 21.4 W/kg



System Performance Check Data (5750MHz)

Date: 2025.01.12

Communication System Band: D5GHz (5000.0 - 6000.0 MHz); Frequency: 5750 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5750$ MHz; $\sigma = 5.135$ S/m; $\epsilon_r = 35.399$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.4°C Liquid Temperature: 21.7°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(5.04, 5.04, 5.04); Calibrated: 2024.06.25;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn540; Calibrated: 2024.02.22
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW 5750/Area Scan (81x81x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 8.93 W/kg

CW 5750/Zoom Scan (7x7x15)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 40.26 V/m; Power Drift = -0.08 dB

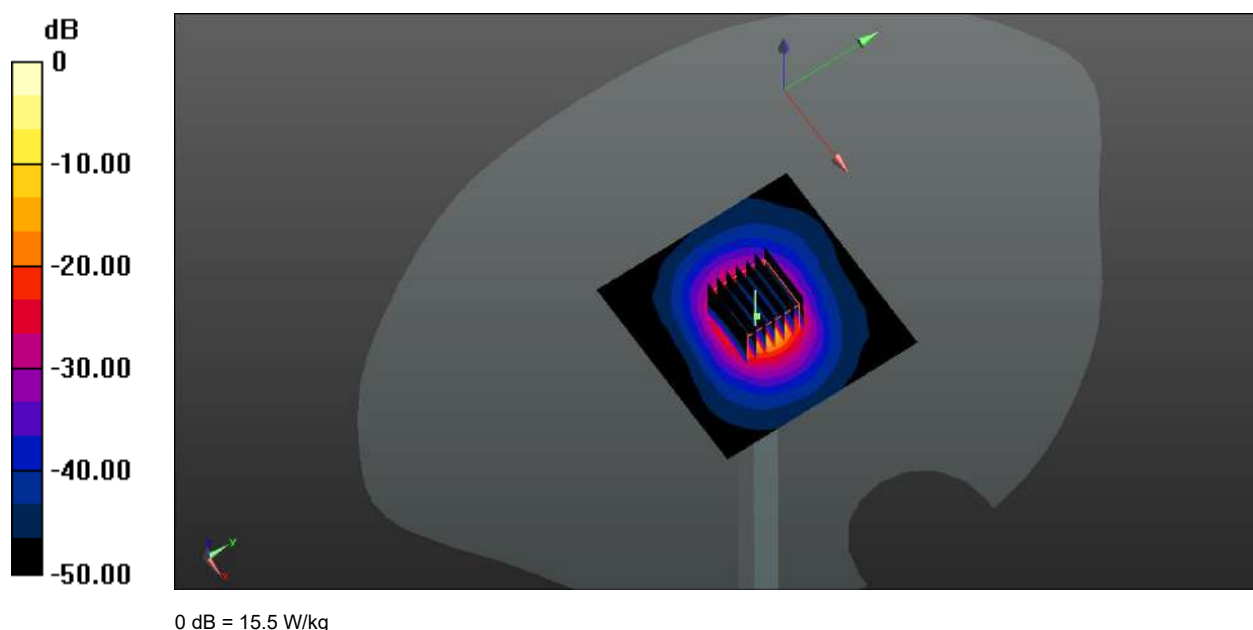
Peak SAR (extrapolated) = 36.6 W/kg

SAR(1 g) = 8.07 W/kg; SAR(10 g) = 2.16 W/kg

Smallest distance from peaks to all points 3 dB below = 7.4 mm

Ratio of SAR at M2 to SAR at M1 = 50.6%

Maximum value of SAR (measured) = 15.5 W/kg



ANNEX C TEST DATA

Meas.1 Right Head with Cheek on High Channel in GPRS850 2Slots mode with Antenna 13

Date: 2024.12.30

Communication System Band: GSM 850; Frequency: 848.8 MHz; Duty Cycle: 1:4.1

Medium parameters used (interpolated): $f = 848.8$ MHz; $\sigma = 0.919$ S/m; $\epsilon_r = 40.42$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Ambient Temperature: 22.2°C Liquid Temperature: 21.3°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3748; ConvF(8.73, 8.73, 8.73); Calibrated: 2024.04.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn540; Calibrated: 2024.02.22
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch251/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.748 W/kg

Ch251/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 18.45 V/m; Power Drift = -0.04 dB

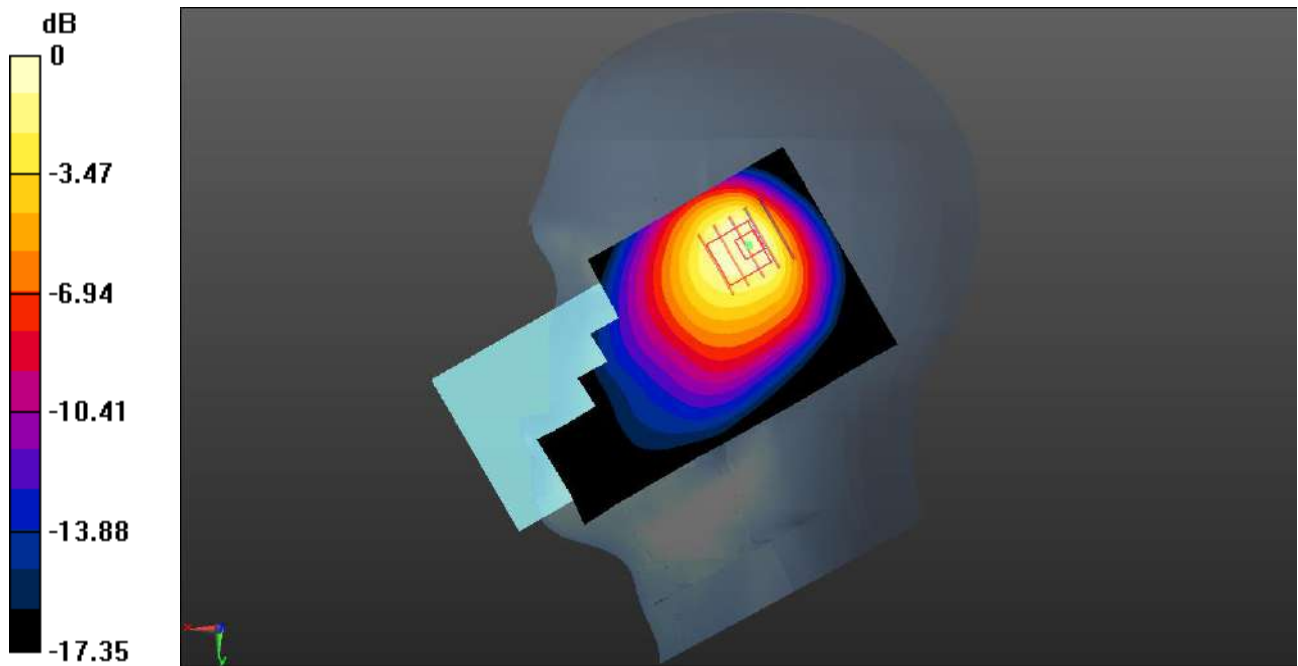
Peak SAR (extrapolated) = 1.13 W/kg

SAR(1 g) = 0.587 W/kg; SAR(10 g) = 0.359 W/kg

Smallest distance from peaks to all points 3 dB below = 8.6 mm

Ratio of SAR at M2 to SAR at M1 = 62.4%

Maximum value of SAR (measured) = 0.618 W/kg



0 dB = 0.618 W/kg

Meas.2 Body Plane with Back Side 15mm on High Channel in GPRS850 2Slots mode with Antenna 13

Date: 2024.12.30

Communication System Band: GSM 850; Frequency: 848.8 MHz; Duty Cycle: 1:4.1

Medium parameters used (interpolated): $f = 848.8$ MHz; $\sigma = 0.919$ S/m; $\epsilon_r = 40.42$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.2°C Liquid Temperature: 21.3°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3748; ConvF(8.73, 8.73, 8.73); Calibrated: 2024.04.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn540; Calibrated: 2024.02.22
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch251/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.172 W/kg

Ch251 2/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.87 V/m; Power Drift = -0.15 dB

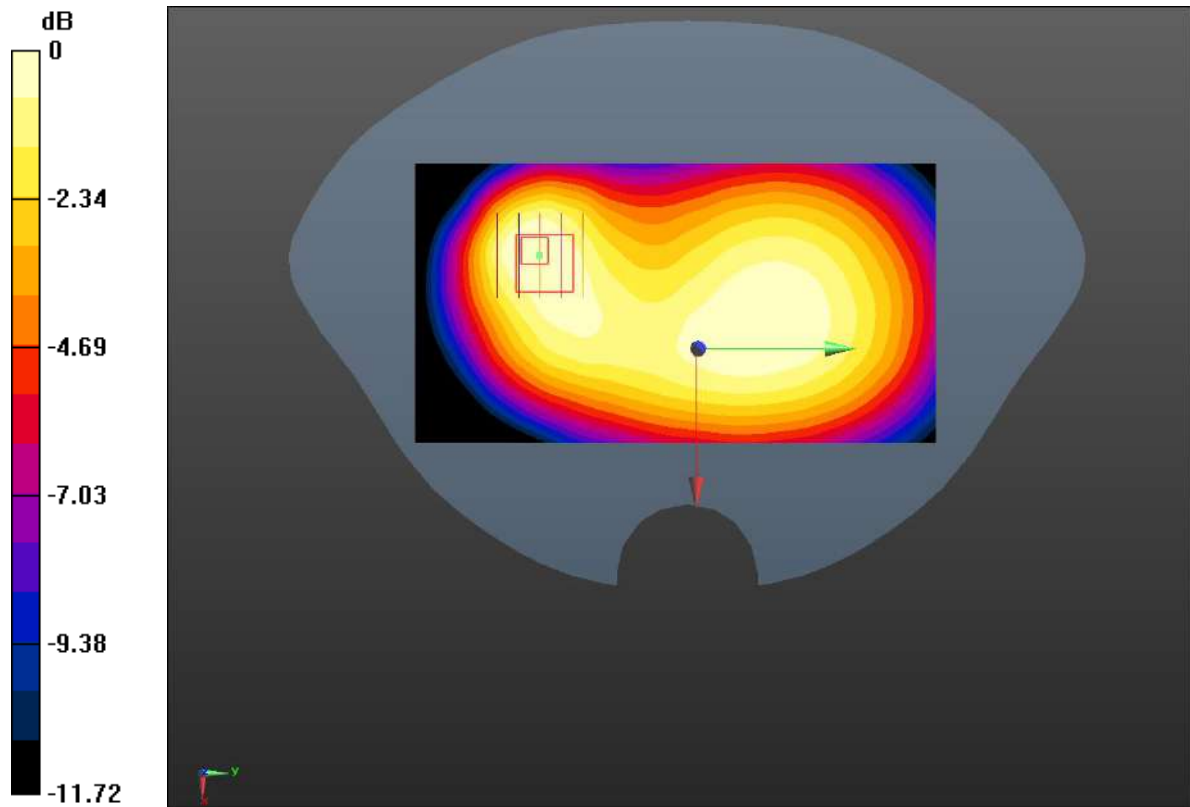
Peak SAR (extrapolated) = 0.220 W/kg

SAR(1 g) = 0.153 W/kg; SAR(10 g) = 0.105 W/kg

Smallest distance from peaks to all points 3 dB below = 17 mm

Ratio of SAR at M2 to SAR at M1 = 70.7%

Maximum value of SAR (measured) = 0.162 W/kg



0 dB = 0.162 W/kg

Meas.3 Body Plane with Back Side 10mm on High Channel in GPRS850 2Slots mode with Antenna 13

Date: 2024.12.30

Communication System Band: GSM 850; Frequency: 848.8 MHz; Duty Cycle: 1:4.1

Medium parameters used (interpolated): $f = 848.8$ MHz; $\sigma = 0.919$ S/m; $\epsilon_r = 40.42$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.2°C Liquid Temperature: 21.3°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3748; ConvF(8.73, 8.73, 8.73); Calibrated: 2024.04.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn540; Calibrated: 2024.02.22
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch251/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.334 W/kg

Ch251/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.51 V/m; Power Drift = -0.02 dB

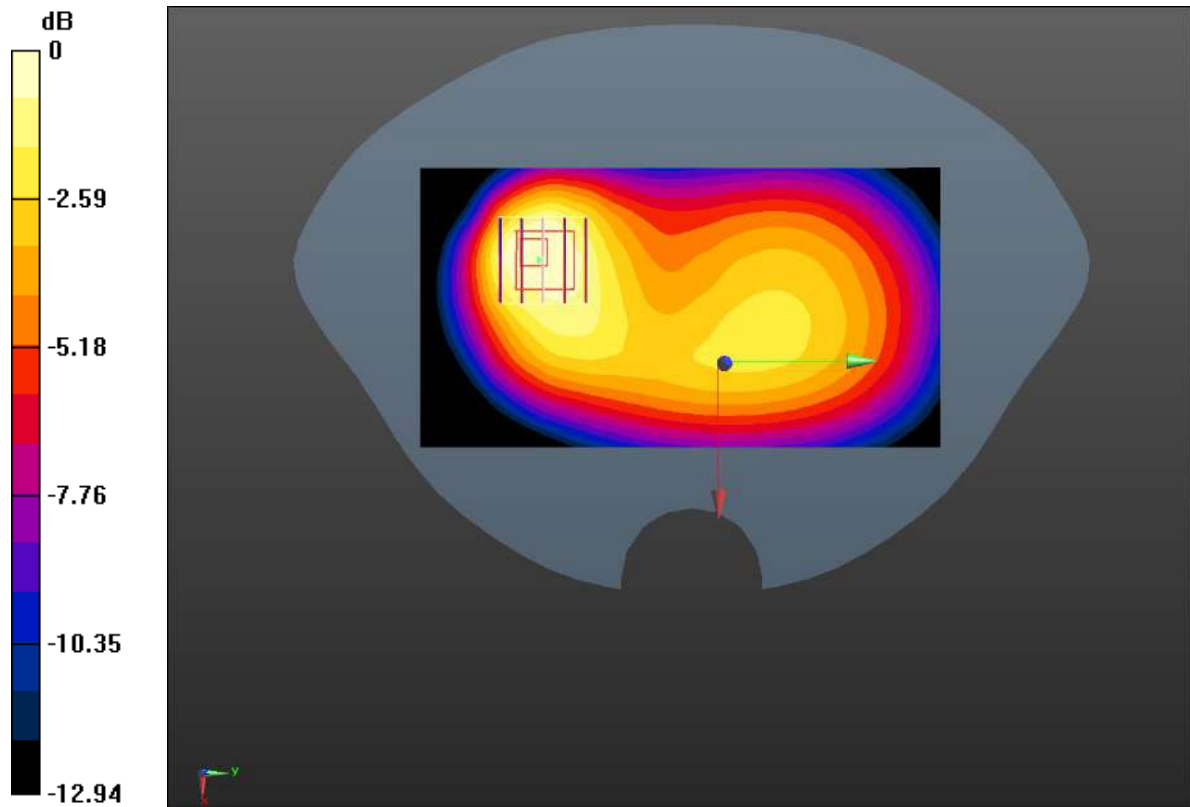
Peak SAR (extrapolated) = 0.460 W/kg

SAR(1 g) = 0.301 W/kg; SAR(10 g) = 0.195 W/kg

Smallest distance from peaks to all points 3 dB below = 12.9 mm

Ratio of SAR at M2 to SAR at M1 = 69.2%

Maximum value of SAR (measured) = 0.312 W/kg



0 dB = 0.312 W/kg

Meas.4 Right Head with Tilt on High Channel in GPRS1900 2Slots mode with Antenna 13

Date: 2024.12.31

Communication System Band: PCS 1900; Frequency: 1909.8 MHz; Duty Cycle: 1:4.1

Medium parameters used (interpolated): $f = 1909.8$ MHz; $\sigma = 1.417$ S/m; $\epsilon_r = 39.416$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Ambient Temperature: 22.4°C Liquid Temperature: 21.5°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3748; ConvF(7.19, 7.19, 7.19); Calibrated: 2024.04.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn540; Calibrated: 2024.02.22
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch810/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.838 W/kg

Ch810/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 18.94 V/m; Power Drift = -0.11 dB

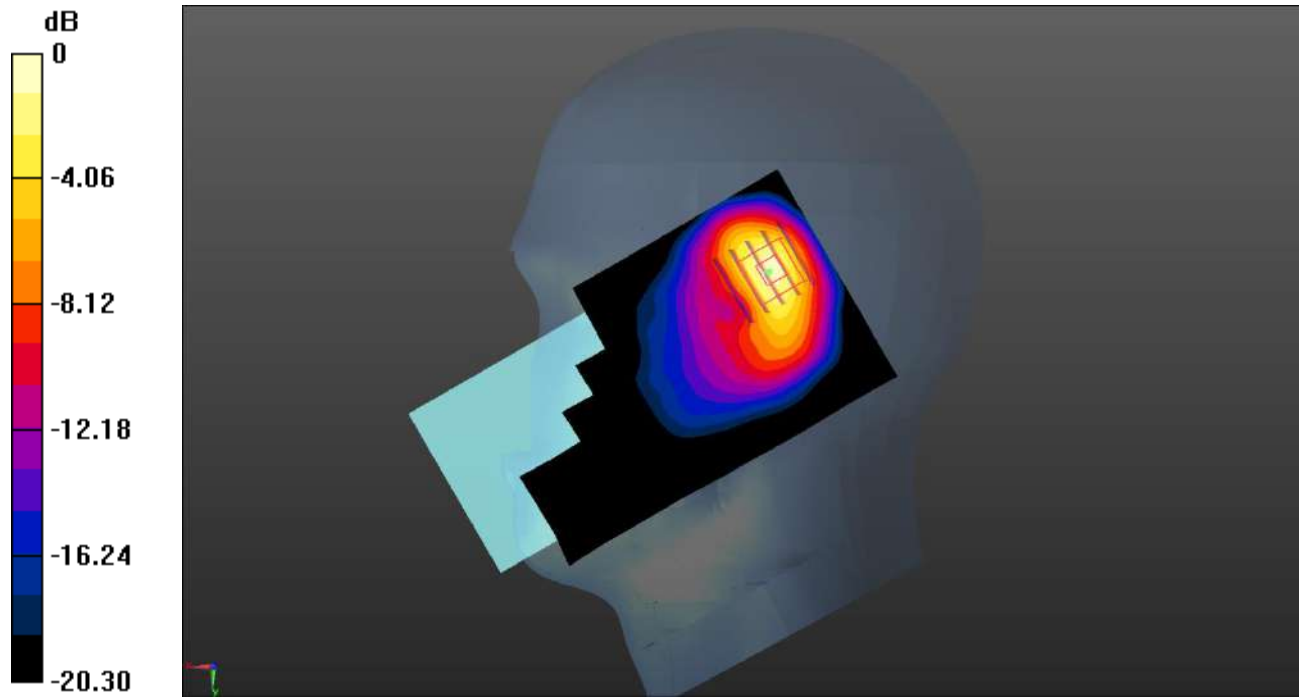
Peak SAR (extrapolated) = 1.67 W/kg

SAR(1 g) = 0.806 W/kg; SAR(10 g) = 0.363 W/kg

Smallest distance from peaks to all points 3 dB below = 8.2 mm

Ratio of SAR at M2 to SAR at M1 = 51.3%

Maximum value of SAR (measured) = 0.951 W/kg



0 dB = 0.951 W/kg

Meas.5 Body Plane with Back Side 15mm on High Channel in GPRS1900 2Slots mode with Antenna 13

Date: 2024.12.31

Communication System Band: PCS 1900; Frequency: 1909.8 MHz; Duty Cycle: 1:4.1

Medium parameters used (interpolated): $f = 1909.8$ MHz; $\sigma = 1.417$ S/m; $\epsilon_r = 39.416$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.4°C Liquid Temperature: 21.5°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3748; ConvF(7.19, 7.19, 7.19); Calibrated: 2024.04.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn540; Calibrated: 2024.02.22
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch810/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.251 W/kg

Ch810/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.233 V/m; Power Drift = -0.04 dB

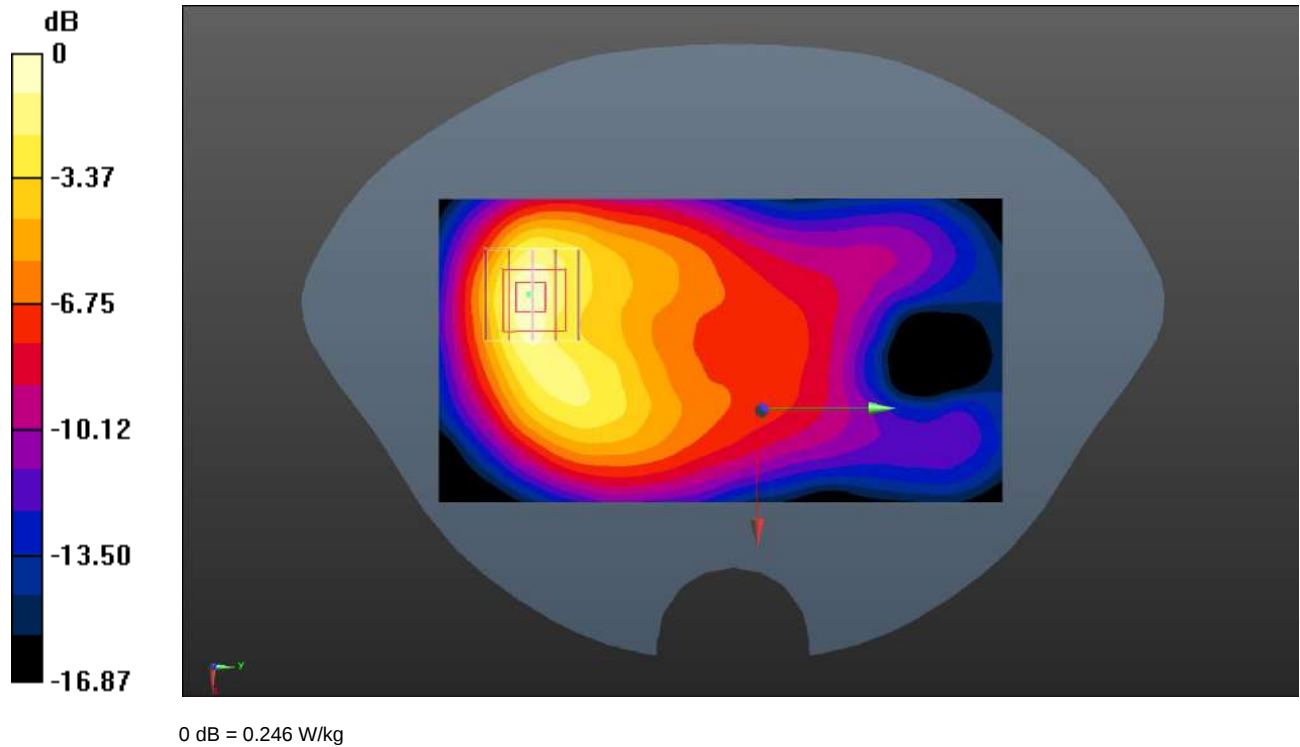
Peak SAR (extrapolated) = 0.365 W/kg

SAR(1 g) = 0.220 W/kg; SAR(10 g) = 0.126 W/kg

Smallest distance from peaks to all points 3 dB below = 12.8 mm

Ratio of SAR at M2 to SAR at M1 = 61.8%

Maximum value of SAR (measured) = 0.246 W/kg



Meas.6 Body Plane with Top Edge 10mm on High Channel in GPRS1900 2Slots mode with Antenna 13

Date: 2024.12.31

Communication System Band: PCS 1900; Frequency: 1909.8 MHz; Duty Cycle: 1:4.1

Medium parameters used (interpolated): $f = 1909.8$ MHz; $\sigma = 1.417$ S/m; $\epsilon_r = 39.416$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.4°C Liquid Temperature: 21.5°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3748; ConvF(7.19, 7.19, 7.19); Calibrated: 2024.04.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn540; Calibrated: 2024.02.22
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch810/Area Scan (51x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.444 W/kg

Ch810/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.39 V/m; Power Drift = -0.03 dB

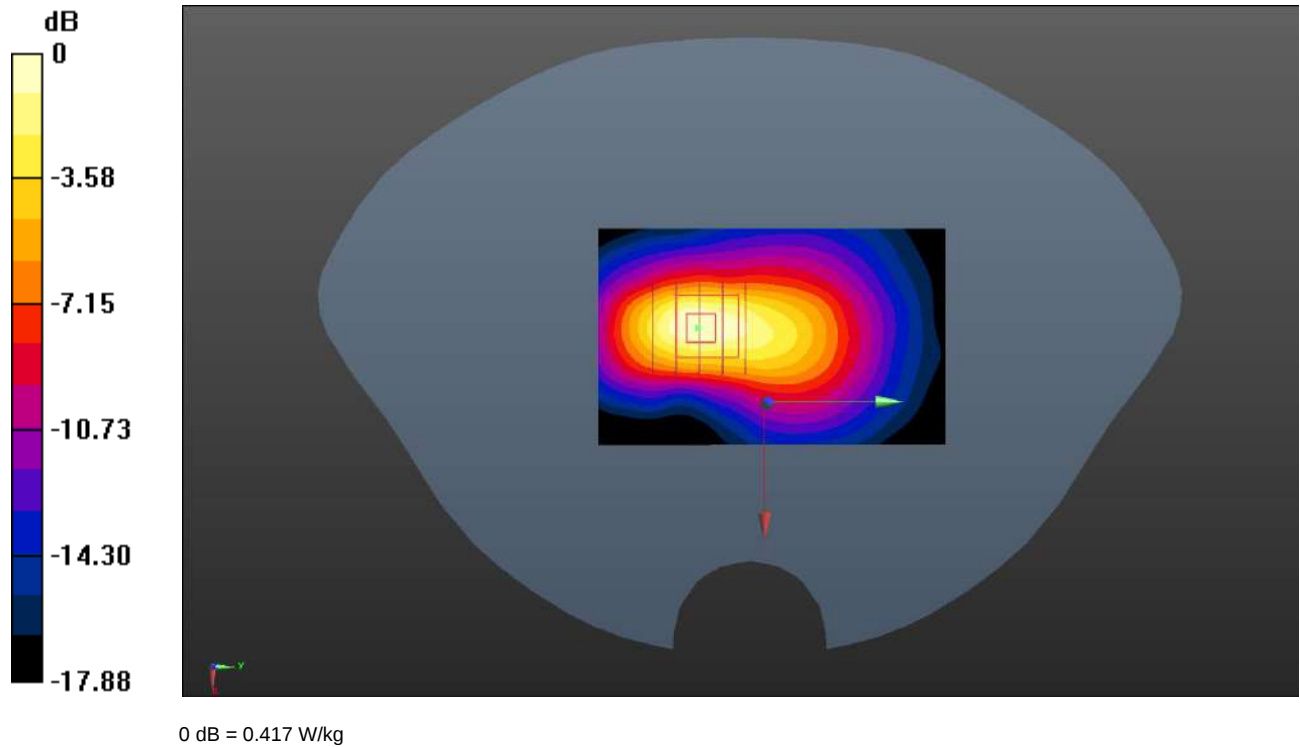
Peak SAR (extrapolated) = 0.661 W/kg

SAR(1 g) = 0.363 W/kg; SAR(10 g) = 0.185 W/kg

Smallest distance from peaks to all points 3 dB below = 9.6 mm

Ratio of SAR at M2 to SAR at M1 = 57.7%

Maximum value of SAR (measured) = 0.417 W/kg



Meas.7 Right Head with Tilt on High Channel in WCDMA Band2 mode with Antenna 13

Date: 2024.12.31

Communication System Band: 2; Frequency: 1907.6 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 1907.6 \text{ MHz}$; $\sigma = 1.391 \text{ S/m}$; $\epsilon_r = 39.532$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

Ambient Temperature: 22.4°C Liquid Temperature: 21.5°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3748; ConvF(7.19, 7.19, 7.19); Calibrated: 2024.04.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn540; Calibrated: 2024.02.22
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch9538/Area Scan (71x131x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.769 W/kg

Ch9538/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 18.26 V/m; Power Drift = 0.00 dB

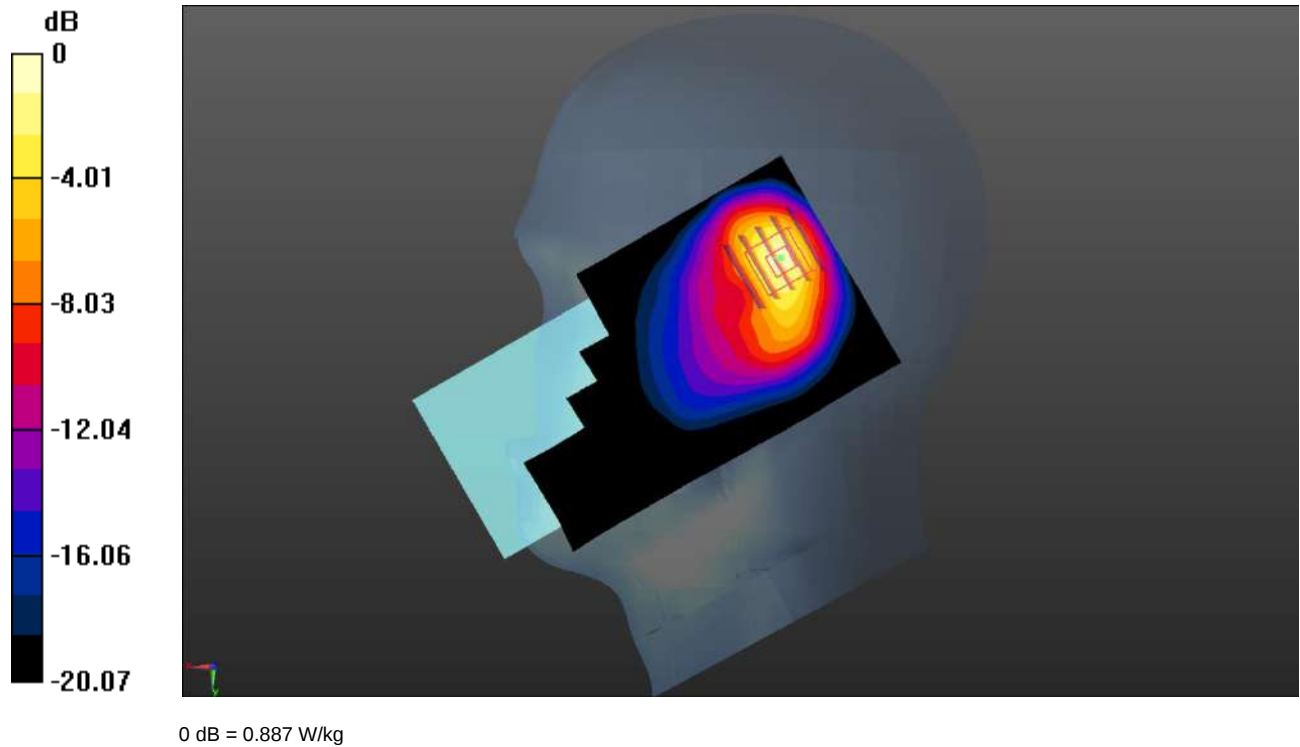
Peak SAR (extrapolated) = 1.46 W/kg

SAR(1 g) = 0.750 W/kg; SAR(10 g) = 0.352 W/kg

Smallest distance from peaks to all points 3 dB below = 8.6 mm

Ratio of SAR at M2 to SAR at M1 = 53.9%

Maximum value of SAR (measured) = 0.887 W/kg



Meas.8 Body Plane with Back Side 15mm on High Channel in WCDMA Band2 mode with Antenna 13

Date: 2024.12.31

Communication System Band: 2; Frequency: 1907.6 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 1907.6$ MHz; $\sigma = 1.391$ S/m; $\epsilon_r = 39.532$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.4°C Liquid Temperature: 21.5°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3748; ConvF(7.19, 7.19, 7.19); Calibrated: 2024.04.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn540; Calibrated: 2024.02.22
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch9538/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.265 W/kg

Ch9538/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.594 V/m; Power Drift = 0.04 dB

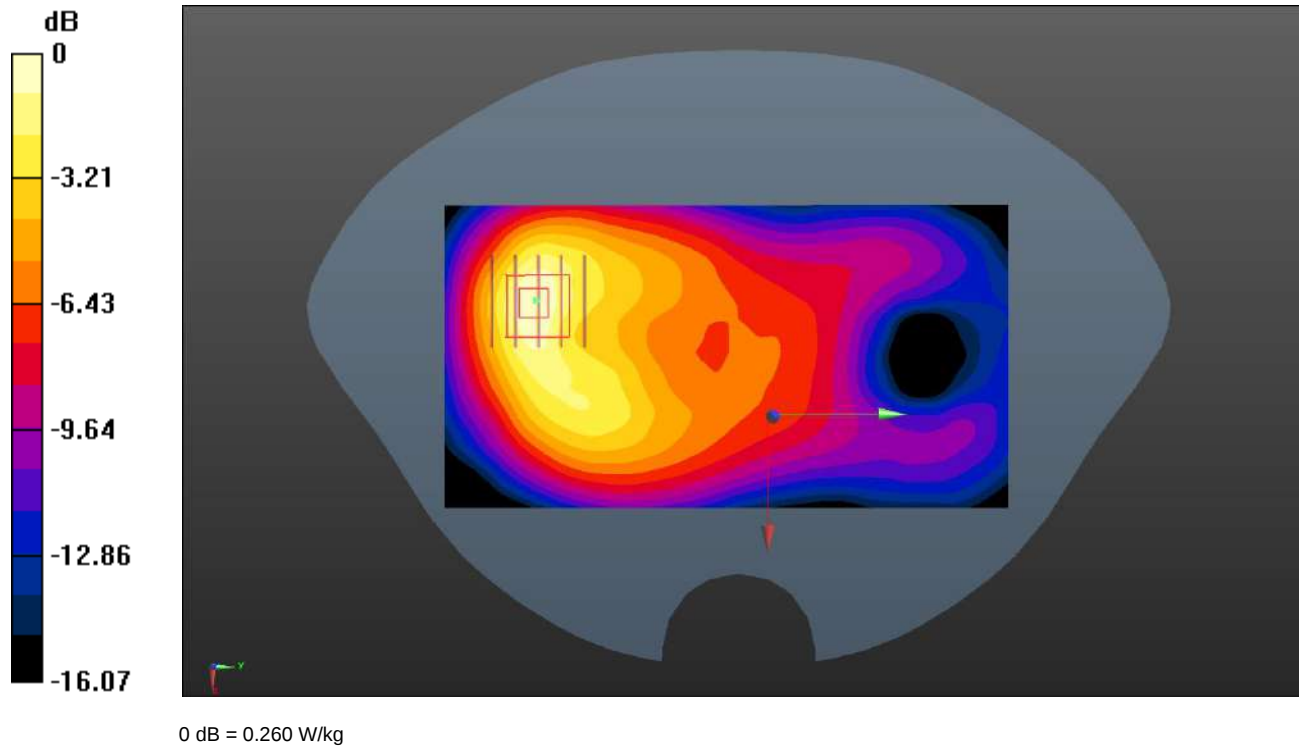
Peak SAR (extrapolated) = 0.378 W/kg

SAR(1 g) = 0.233 W/kg; SAR(10 g) = 0.134 W/kg

Smallest distance from peaks to all points 3 dB below = 14.3 mm

Ratio of SAR at M2 to SAR at M1 = 62.5%

Maximum value of SAR (measured) = 0.260 W/kg



Meas.9 Body Plane with Top Edge 10mm on High Channel in WCDMA Band2 mode with Antenna 13

Date: 2024.12.31

Communication System Band: 2; Frequency: 1907.6 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 1907.6$ MHz; $\sigma = 1.391$ S/m; $\epsilon_r = 39.532$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.4°C Liquid Temperature: 21.5°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3748; ConvF(7.19, 7.19, 7.19); Calibrated: 2024.04.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn540; Calibrated: 2024.02.22
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch9538/Area Scan (51x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.537 W/kg

Ch9538/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.816 V/m; Power Drift = -0.08 dB

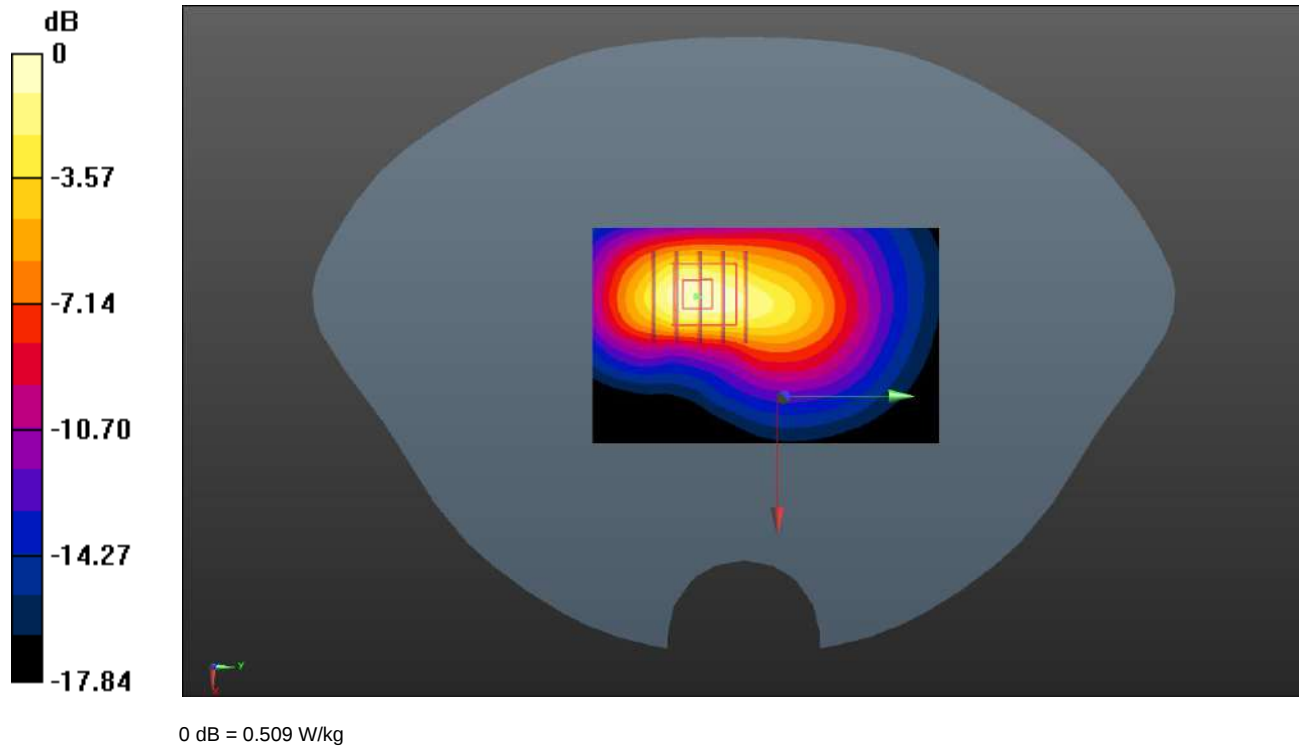
Peak SAR (extrapolated) = 0.803 W/kg

SAR(1 g) = 0.445 W/kg; SAR(10 g) = 0.229 W/kg

Smallest distance from peaks to all points 3 dB below = 9.6 mm

Ratio of SAR at M2 to SAR at M1 = 58.1%

Maximum value of SAR (measured) = 0.509 W/kg



Meas.10 Right Head with Tilt on High Channel in WCDMA Band4 mode with Antenna 13-DSI7-1

Date: 2025.01.03

Communication System Band: 4; Frequency: 1752.6 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 1752.6$ MHz; $\sigma = 1.374$ S/m; $\epsilon_r = 39.457$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Ambient Temperature: 22.5°C Liquid Temperature: 21.7°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3748; ConvF(7.35, 7.35, 7.35); Calibrated: 2024.04.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn540; Calibrated: 2024.02.22
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch1513/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.709 W/kg

Ch1513/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 17.73 V/m; Power Drift = -0.08 dB

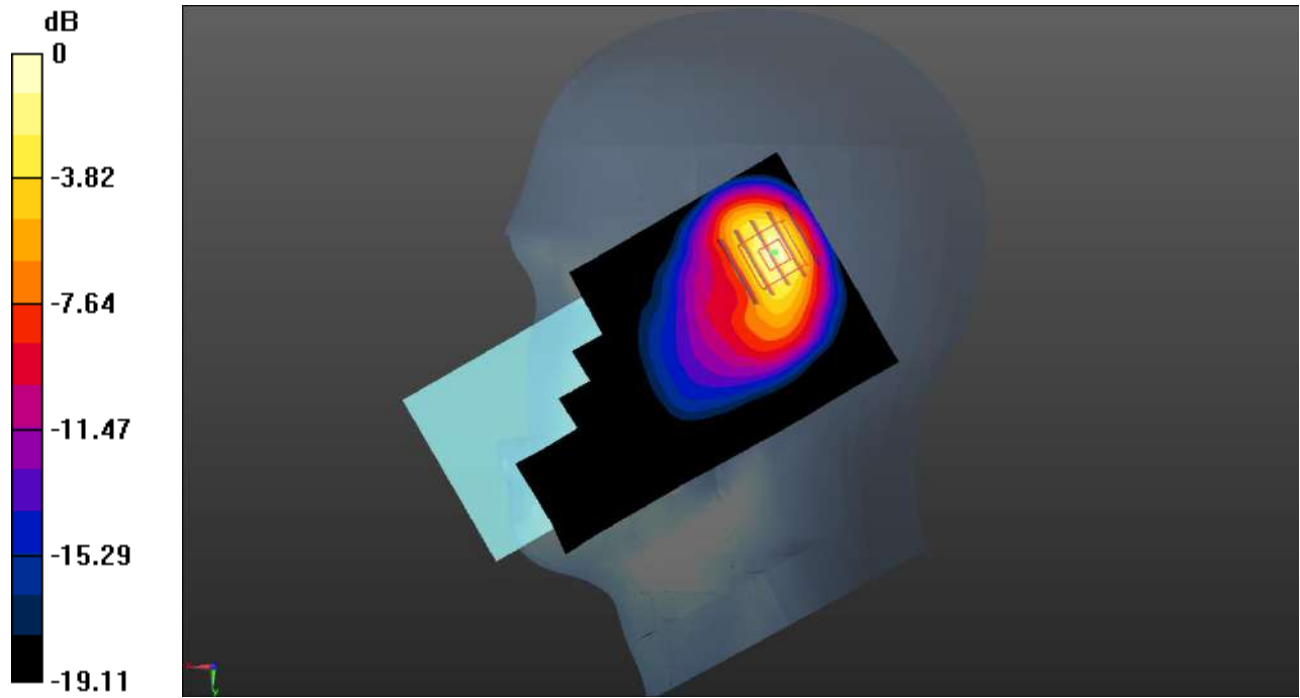
Peak SAR (extrapolated) = 1.35 W/kg

SAR(1 g) = 0.692 W/kg; SAR(10 g) = 0.329 W/kg

Smallest distance from peaks to all points 3 dB below = 8.3 mm

Ratio of SAR at M2 to SAR at M1 = 55.1%

Maximum value of SAR (measured) = 0.831 W/kg



0 dB = 0.831 W/kg

Meas.11 Body Plane with Back Side 15mm on High Channel in WCDMA Band4 mode with Antenna 13

Date: 2025.01.03

Communication System Band: 4; Frequency: 1752.6 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 1752.6$ MHz; $\sigma = 1.374$ S/m; $\epsilon_r = 39.457$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.5°C Liquid Temperature: 21.7°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3748; ConvF(7.35, 7.35, 7.35); Calibrated: 2024.04.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn540; Calibrated: 2024.02.22
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch1513/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.400 W/kg

Ch1513/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.369 V/m; Power Drift = -0.06 dB

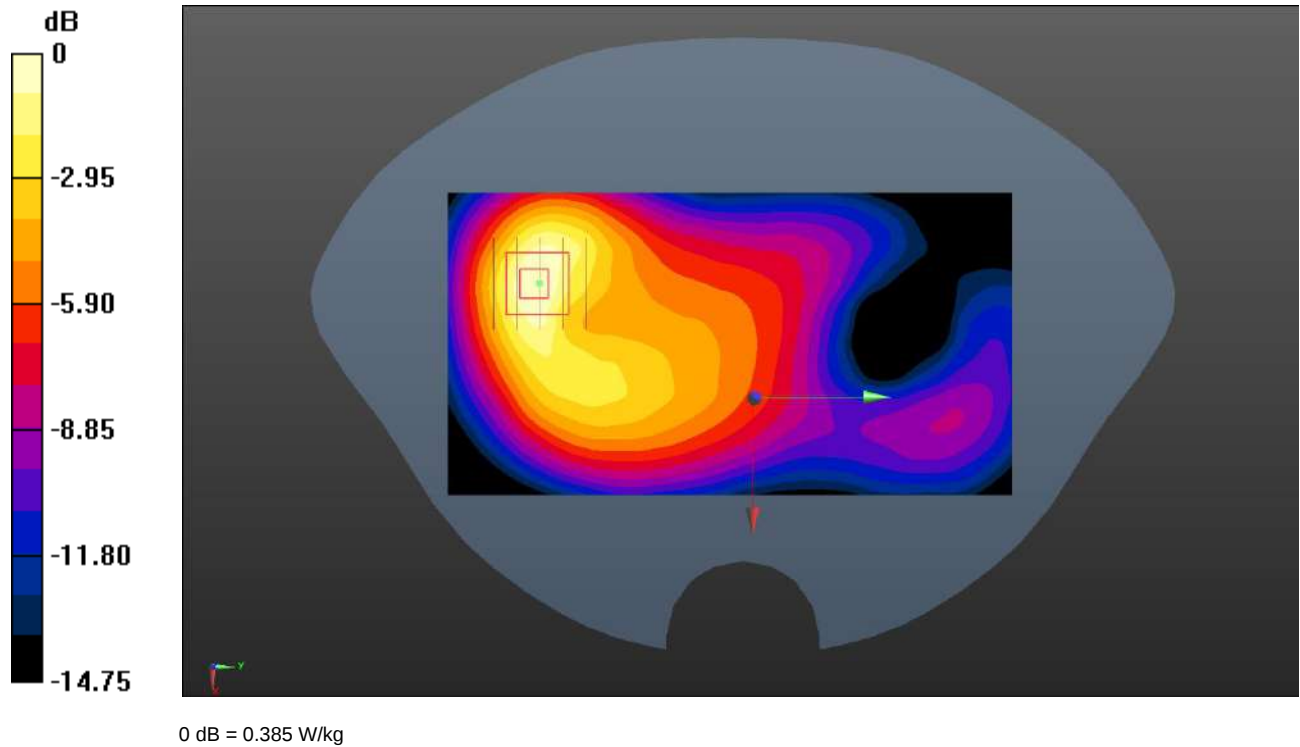
Peak SAR (extrapolated) = 0.568 W/kg

SAR(1 g) = 0.353 W/kg; SAR(10 g) = 0.206 W/kg

Smallest distance from peaks to all points 3 dB below = 13.7 mm

Ratio of SAR at M2 to SAR at M1 = 63.3%

Maximum value of SAR (measured) = 0.385 W/kg



Meas.12 Body Plane with Top Edge 10mm on High Channel in WCDMA Band4 mode with Antenna 13

Date: 2025.01.03

Communication System Band: 4; Frequency: 1752.6 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 1752.6$ MHz; $\sigma = 1.374$ S/m; $\epsilon_r = 39.457$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.5°C Liquid Temperature: 21.7°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3748; ConvF(7.35, 7.35, 7.35); Calibrated: 2024.04.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn540; Calibrated: 2024.02.22
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch1513/Area Scan (51x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.669 W/kg

Ch1513/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.20 V/m; Power Drift = -0.01 dB

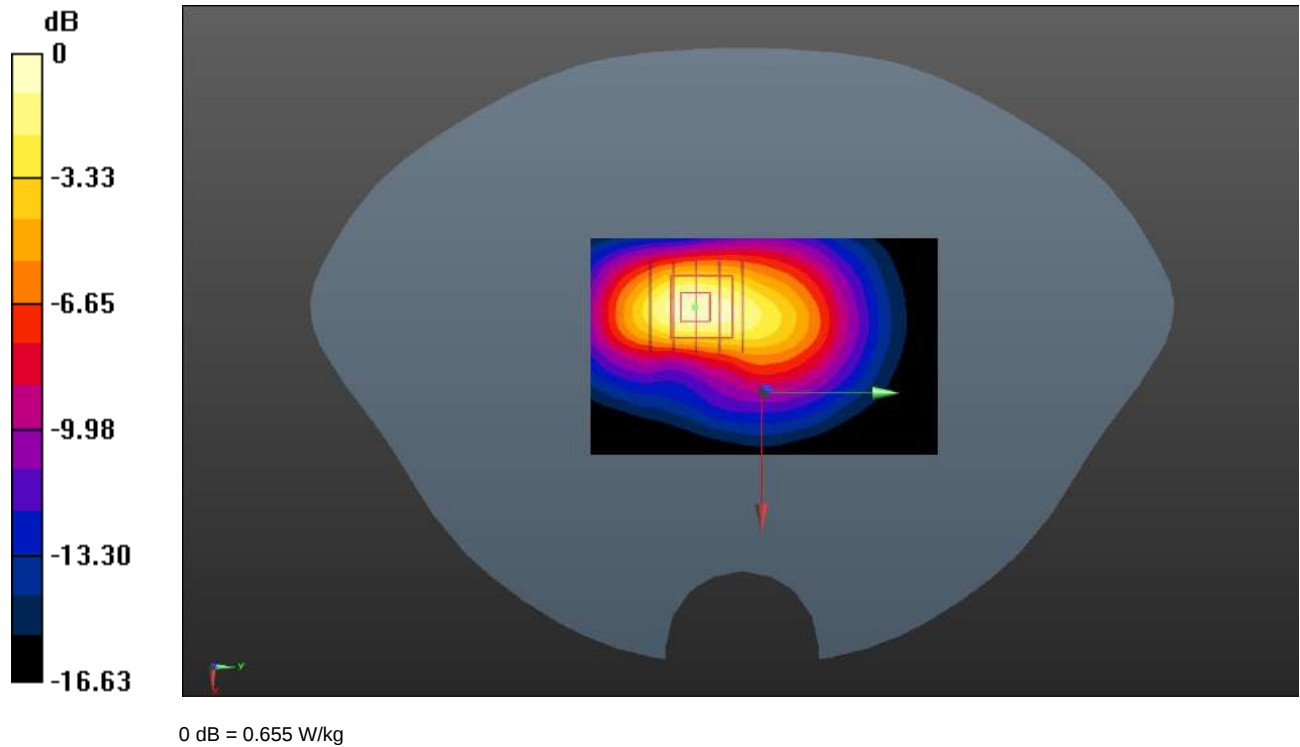
Peak SAR (extrapolated) = 1.00 W/kg

SAR(1 g) = 0.573 W/kg; SAR(10 g) = 0.301 W/kg

Smallest distance from peaks to all points 3 dB below = 9.6 mm

Ratio of SAR at M2 to SAR at M1 = 60.1%

Maximum value of SAR (measured) = 0.655 W/kg



Meas.13 Right Head with Cheek on Middle Channel in WCDMA Band5 mode with Antenna 13

Date: 2024.12.30

Communication System Band: 5; Frequency: 836.4 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 836.4$ MHz; $\sigma = 0.912$ S/m; $\epsilon_r = 41.529$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Ambient Temperature: 22.2°C Liquid Temperature: 21.3°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3748; ConvF(8.73, 8.73, 8.73); Calibrated: 2024.04.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn540; Calibrated: 2024.02.22
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch4182/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.793 W/kg

Ch4182/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 20.52 V/m; Power Drift = -0.04 dB

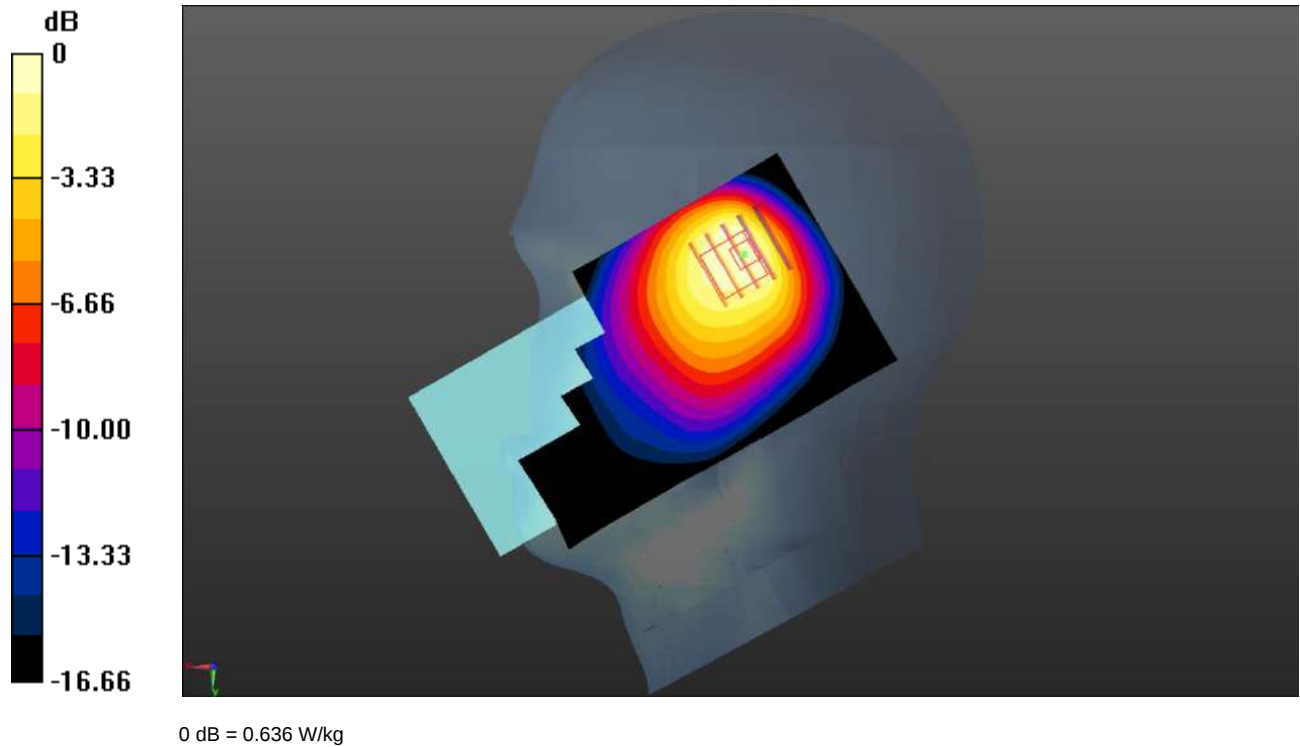
Peak SAR (extrapolated) = 1.14 W/kg

SAR(1 g) = 0.610 W/kg; SAR(10 g) = 0.385 W/kg

Smallest distance from peaks to all points 3 dB below = 8.6 mm

Ratio of SAR at M2 to SAR at M1 = 65.1%

Maximum value of SAR (measured) = 0.636 W/kg



Meas.14 Body Plane with Back Side 15mm on High Channel in WCDMA Band5 mode with Antenna 13

Date: 2024.12.30

Communication System Band: 5; Frequency: 846.6 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 846.6$ MHz; $\sigma = 0.916$ S/m; $\epsilon_r = 41.052$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.2°C Liquid Temperature: 21.3°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3748; ConvF(8.73, 8.73, 8.73); Calibrated: 2024.04.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn540; Calibrated: 2024.02.22
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch4233/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.158 W/kg

Ch4233/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.66 V/m; Power Drift = -0.09 dB

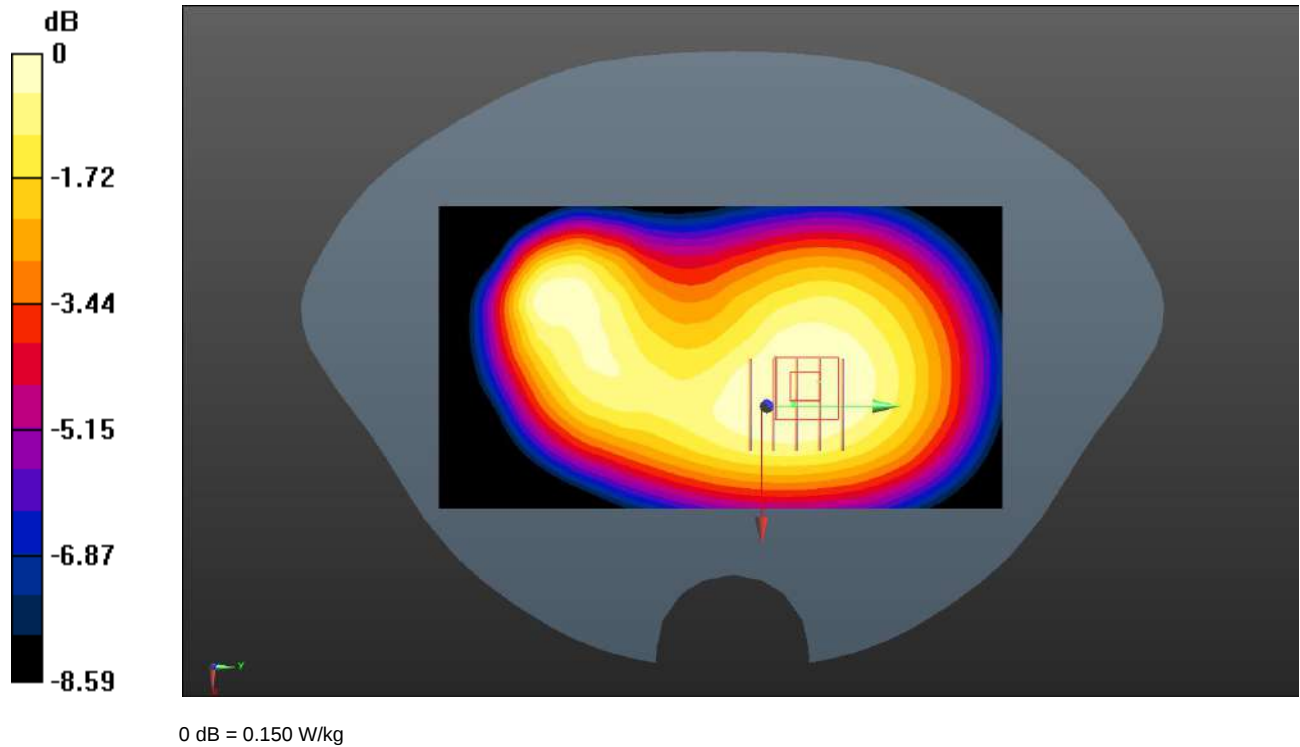
Peak SAR (extrapolated) = 0.184 W/kg

SAR(1 g) = 0.145 W/kg; SAR(10 g) = 0.110 W/kg

Smallest distance from peaks to all points 3 dB below = 8.9 mm

Ratio of SAR at M2 to SAR at M1 = 78.6%

Maximum value of SAR (measured) = 0.150 W/kg



Meas.15 Body Plane with Back Side 10mm on High Channel in WCDMA Band5 mode with Antenna 13

Date: 2024.12.30

Communication System Band: 5; Frequency: 846.6 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 846.6 \text{ MHz}$; $\sigma = 0.916 \text{ S/m}$; $\epsilon_r = 41.052$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient Temperature: 22.2°C Liquid Temperature: 21.3°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3748; ConvF(8.73, 8.73, 8.73); Calibrated: 2024.04.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn540; Calibrated: 2024.02.22
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch4233/Area Scan (71x141x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.239 W/kg

Ch4233/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 13.71 V/m; Power Drift = -0.04 dB

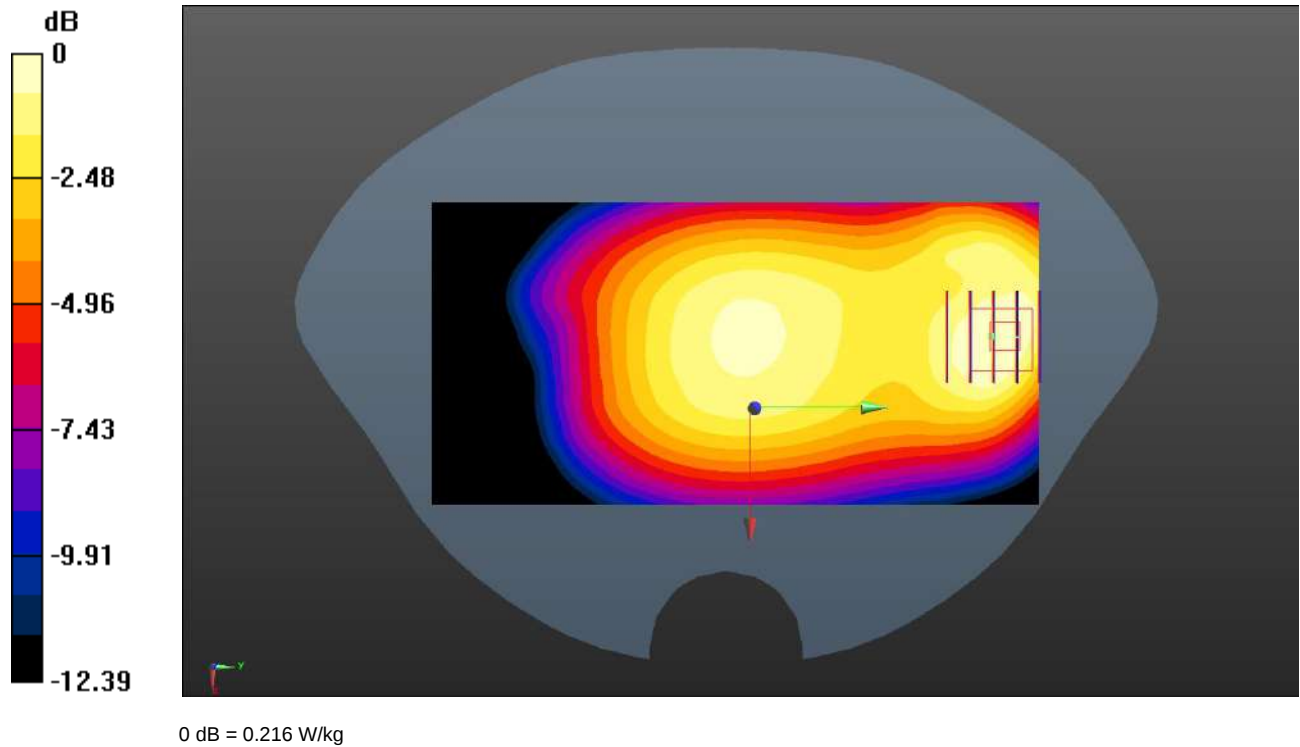
Peak SAR (extrapolated) = 0.324 W/kg

SAR(1 g) = 0.204 W/kg; SAR(10 g) = 0.127 W/kg

Smallest distance from peaks to all points 3 dB below = 17 mm

Ratio of SAR at M2 to SAR at M1 = 64.1%

Maximum value of SAR (measured) = 0.216 W/kg



Meas.16 Right Head with Tilt on High Channel in LTE Band2 mode with Antenna 13

Date: 2025.01.05

Communication System Band: Band 2, E-UTRA/FDD (1850.0 - 1910.0 MHz); Frequency: 1900 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 1900$ MHz; $\sigma = 1.393$ S/m; $\epsilon_r = 40.668$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Ambient Temperature: 22.4°C Liquid Temperature: 21.5°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3748; ConvF(7.19, 7.19, 7.19); Calibrated: 2024.04.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn540; Calibrated: 2024.02.22
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch19100/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.736 W/kg

Ch19100/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 17.68 V/m; Power Drift = -0.08 dB

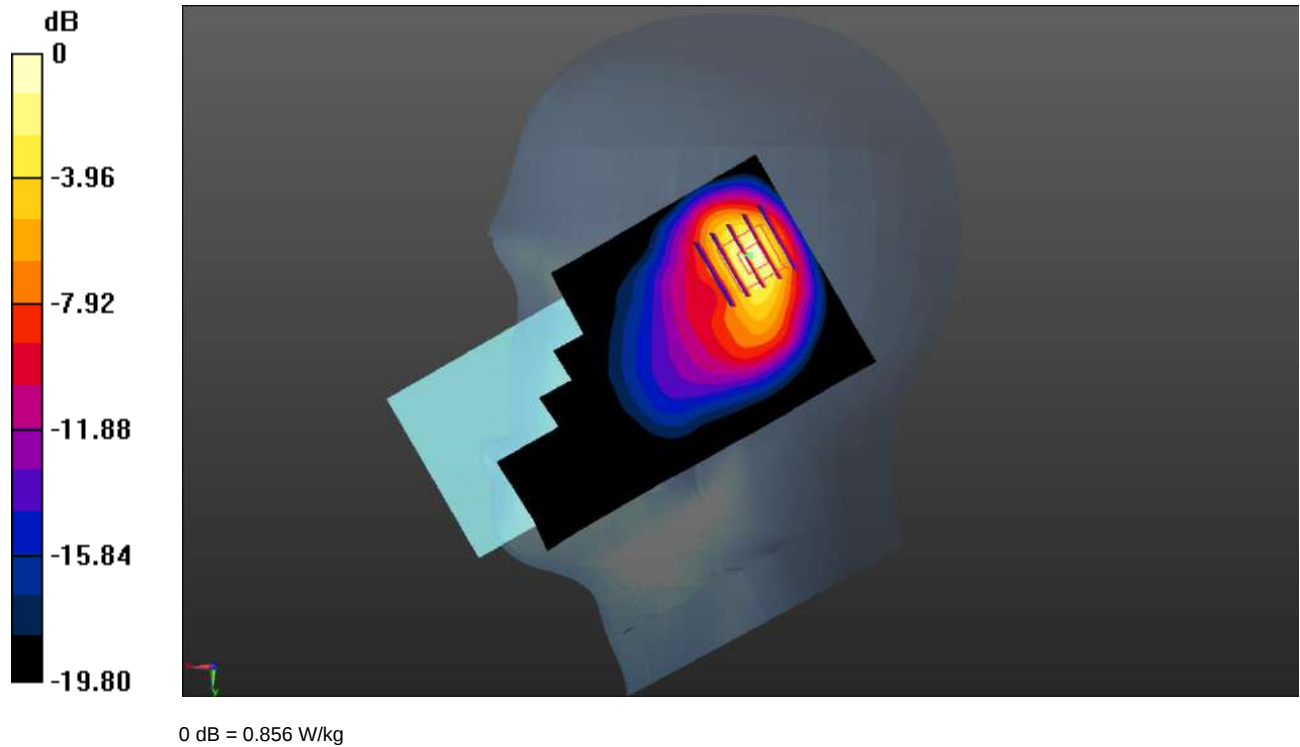
Peak SAR (extrapolated) = 1.42 W/kg

SAR(1 g) = 0.724 W/kg; SAR(10 g) = 0.339 W/kg

Smallest distance from peaks to all points 3 dB below = 8.2 mm

Ratio of SAR at M2 to SAR at M1 = 53.2%

Maximum value of SAR (measured) = 0.856 W/kg



Meas.17 Body Plane with Back Side 15mm on Middle Channel in LTE Band2 mode with Antenna 13

Date: 2025.01.05

Communication System Band: Band 2, E-UTRA/FDD (1850.0 - 1910.0 MHz); Frequency: 1880 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 1880$ MHz; $\sigma = 1.384$ S/m; $\epsilon_r = 41.196$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.4°C Liquid Temperature: 21.5°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3748; ConvF(7.19, 7.19, 7.19); Calibrated: 2024.04.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn540; Calibrated: 2024.02.22
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch18900/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.275 W/kg

Ch18900/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.444 V/m; Power Drift = -0.12 dB

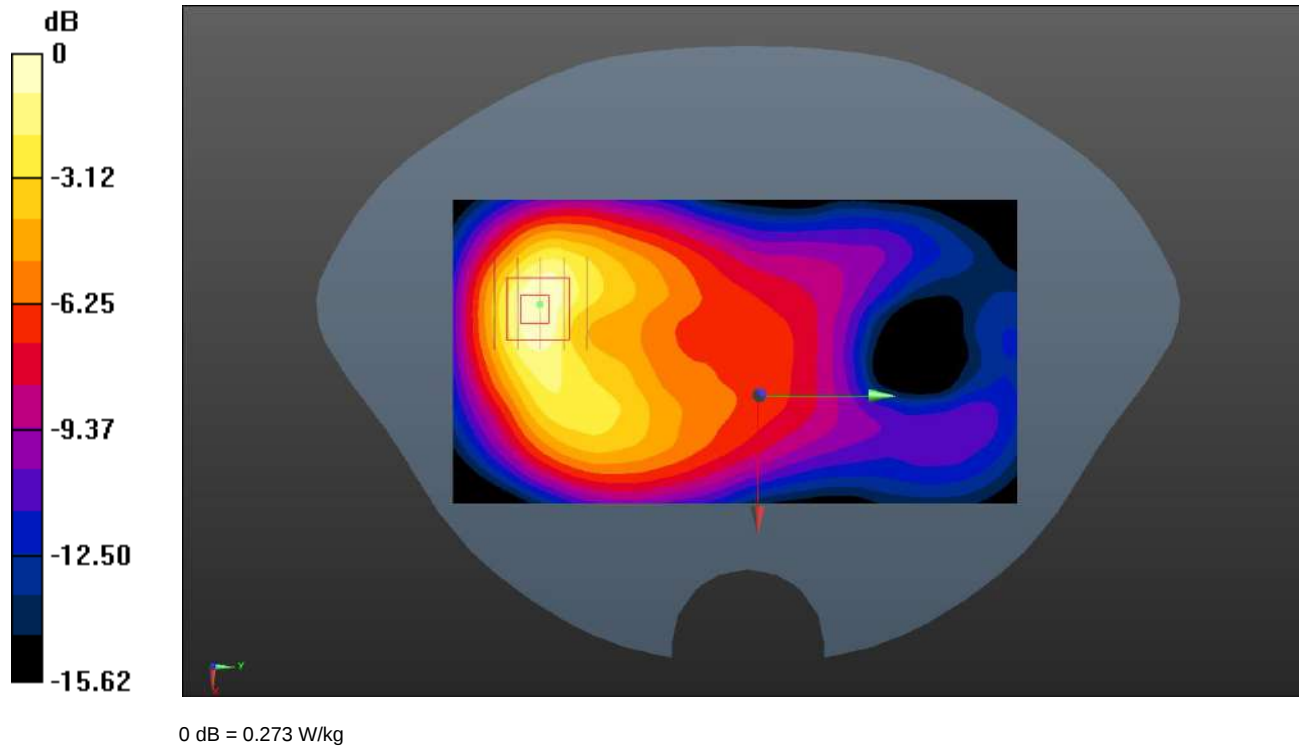
Peak SAR (extrapolated) = 0.411 W/kg

SAR(1 g) = 0.248 W/kg; SAR(10 g) = 0.140 W/kg

Smallest distance from peaks to all points 3 dB below = 12.8 mm

Ratio of SAR at M2 to SAR at M1 = 61.2%

Maximum value of SAR (measured) = 0.273 W/kg



Meas.18 Body Plane with Top Edge 10mm on Middle Channel in LTE Band2 mode with Antenna 13

Date: 2025.01.05

Communication System Band: Band 2, E-UTRA/FDD (1850.0 - 1910.0 MHz); Frequency: 1880 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 1880 \text{ MHz}$; $\sigma = 1.384 \text{ S/m}$; $\epsilon_r = 41.196$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient Temperature: 22.4°C Liquid Temperature: 21.5°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3748; ConvF(7.19, 7.19, 7.19); Calibrated: 2024.04.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn540; Calibrated: 2024.02.22
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch18900/Area Scan (51x81x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.584 W/kg

Ch18900/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 12.10 V/m; Power Drift = -0.01 dB

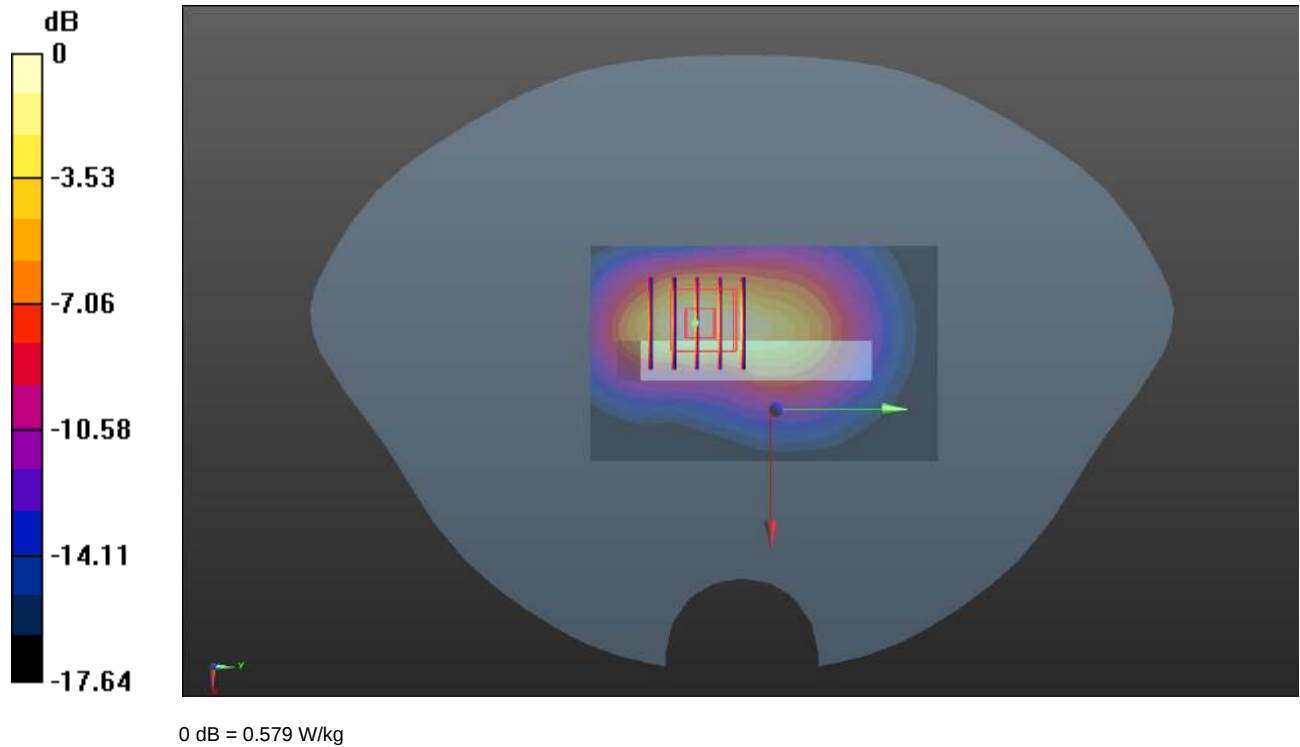
Peak SAR (extrapolated) = 0.911 W/kg

SAR(1 g) = 0.507 W/kg; SAR(10 g) = 0.262 W/kg

Smallest distance from peaks to all points 3 dB below = 9.6 mm

Ratio of SAR at M2 to SAR at M1 = 58.7%

Maximum value of SAR (measured) = 0.579 W/kg



Meas.19 Right Head with Tilt on High Channel in LTE Band4 mode with Antenna 13

Date: 2025.01.04

Communication System Band: Band 4, E-UTRA/FDD (1710.0 - 1755.0 MHz); Frequency: 1745 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 1745$ MHz; $\sigma = 1.387$ S/m; $\epsilon_r = 39.943$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Ambient Temperature: 22.1°C Liquid Temperature: 21.4°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3748; ConvF(7.35, 7.35, 7.35); Calibrated: 2024.04.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn540; Calibrated: 2024.02.22
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch20300/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.722 W/kg

Ch20300/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.69 V/m; Power Drift = 0.18 dB

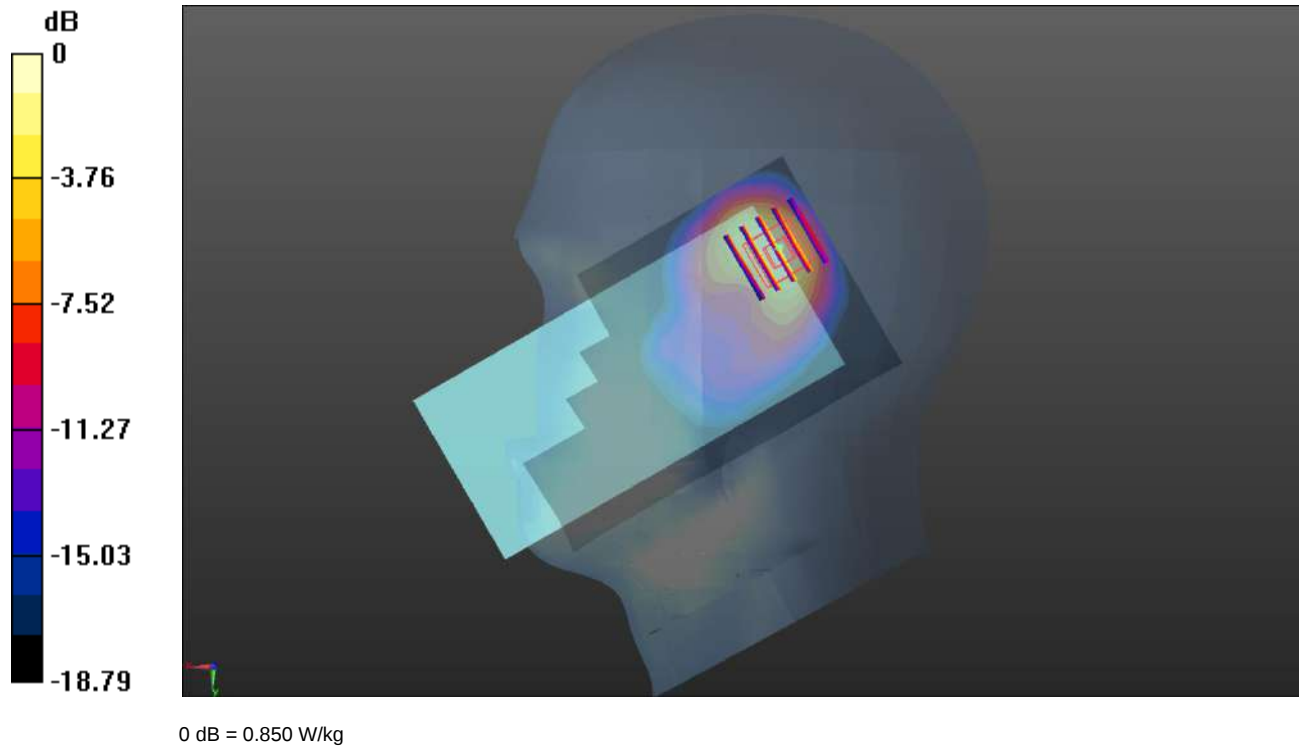
Peak SAR (extrapolated) = 1.41 W/kg

SAR(1 g) = 0.725 W/kg; SAR(10 g) = 0.351 W/kg

Smallest distance from peaks to all points 3 dB below = 8.2 mm

Ratio of SAR at M2 to SAR at M1 = 55.4%

Maximum value of SAR (measured) = 0.850 W/kg



Meas.20 Body Plane with Back Side 15mm on High Channel in LTE Band4 mode with Antenna 31

Date: 2025.01.04

Communication System Band: Band 4, E-UTRA/FDD (1710.0 - 1755.0 MHz); Frequency: 1745 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 1745$ MHz; $\sigma = 1.387$ S/m; $\epsilon_r = 39.943$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.1°C Liquid Temperature: 21.4°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3748; ConvF(7.35, 7.35, 7.35); Calibrated: 2024.04.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn540; Calibrated: 2024.02.22
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch20300/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.180 W/kg

Ch20300/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.780 V/m; Power Drift = 0.12 dB

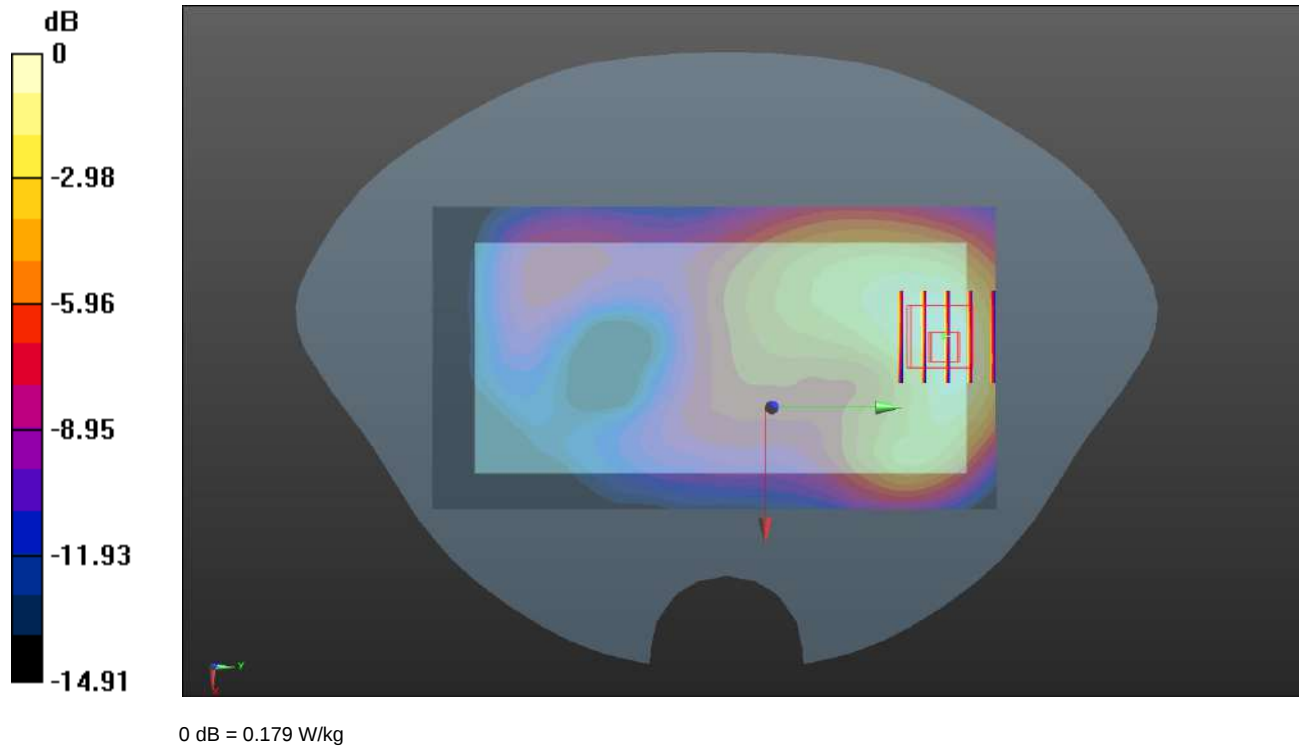
Peak SAR (extrapolated) = 0.247 W/kg

SAR(1 g) = 0.167 W/kg; SAR(10 g) = 0.107 W/kg

Smallest distance from peaks to all points 3 dB below = 17 mm

Ratio of SAR at M2 to SAR at M1 = 68.5%

Maximum value of SAR (measured) = 0.179 W/kg



Meas.21 Body Plane with Top Edge 10mm on High Channel in LTE Band4 mode with Antenna 13

Date: 2025.01.04

Communication System Band: Band 4, E-UTRA/FDD (1710.0 - 1755.0 MHz); Frequency: 1745 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 1745 \text{ MHz}$; $\sigma = 1.387 \text{ S/m}$; $\epsilon_r = 39.943$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient Temperature: 22.1°C Liquid Temperature: 21.4°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3748; ConvF(7.35, 7.35, 7.35); Calibrated: 2024.04.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn540; Calibrated: 2024.02.22
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch20300/Area Scan (51x81x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.534 W/kg

Ch20300/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 11.53 V/m; Power Drift = -0.04 dB

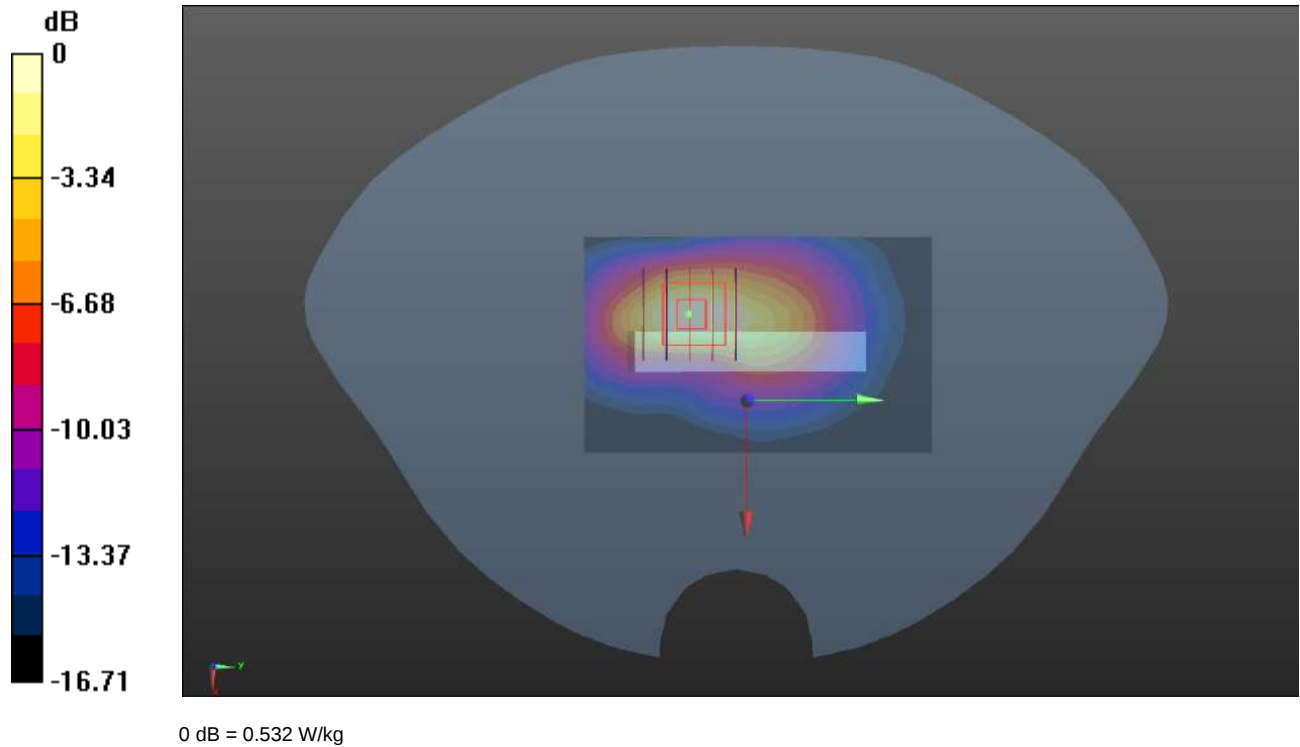
Peak SAR (extrapolated) = 0.817 W/kg

SAR(1 g) = 0.465 W/kg; SAR(10 g) = 0.241 W/kg

Smallest distance from peaks to all points 3 dB below = 9.6 mm

Ratio of SAR at M2 to SAR at M1 = 60.4%

Maximum value of SAR (measured) = 0.532 W/kg



Meas.22 Right Head with Cheek on High Channel in LTE Band5 mode with Antenna 13

Date: 2025.01.01

Communication System Band: Band 5, E-UTRA/FDD (824.0 - 849.0 MHz); Frequency: 844 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 844$ MHz; $\sigma = 0.907$ S/m; $\epsilon_r = 40.707$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Ambient Temperature: 22.3°C Liquid Temperature: 21.3°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3748; ConvF(8.73, 8.73, 8.73); Calibrated: 2024.04.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn540; Calibrated: 2024.02.22
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch20600/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.778 W/kg

Ch20600/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 19.59 V/m; Power Drift = 0.02 dB

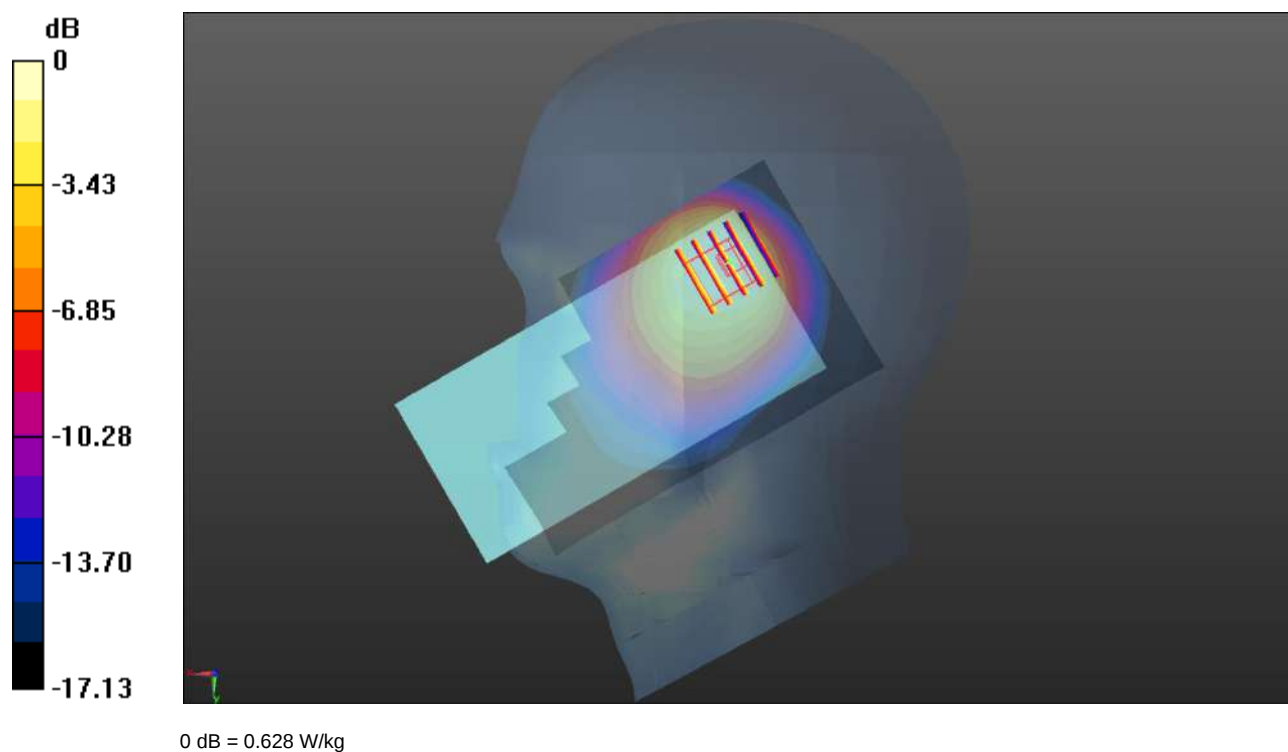
Peak SAR (extrapolated) = 1.09 W/kg

SAR(1 g) = 0.596 W/kg; SAR(10 g) = 0.376 W/kg

Smallest distance from peaks to all points 3 dB below = 9.3 mm

Ratio of SAR at M2 to SAR at M1 = 65.6%

Maximum value of SAR (measured) = 0.628 W/kg



Meas.23 Body Plane with Back Side 15mm on High Channel in LTE Band5 mode with Antenna 13

Date: 2025.01.01

Communication System Band: Band 5, E-UTRA/FDD (824.0 - 849.0 MHz); Frequency: 844 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 844$ MHz; $\sigma = 0.907$ S/m; $\epsilon_r = 40.707$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.3°C Liquid Temperature: 21.3°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3748; ConvF(8.73, 8.73, 8.73); Calibrated: 2024.04.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn540; Calibrated: 2024.02.22
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch20600/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.205 W/kg

Ch20600/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.73 V/m; Power Drift = 0.04 dB

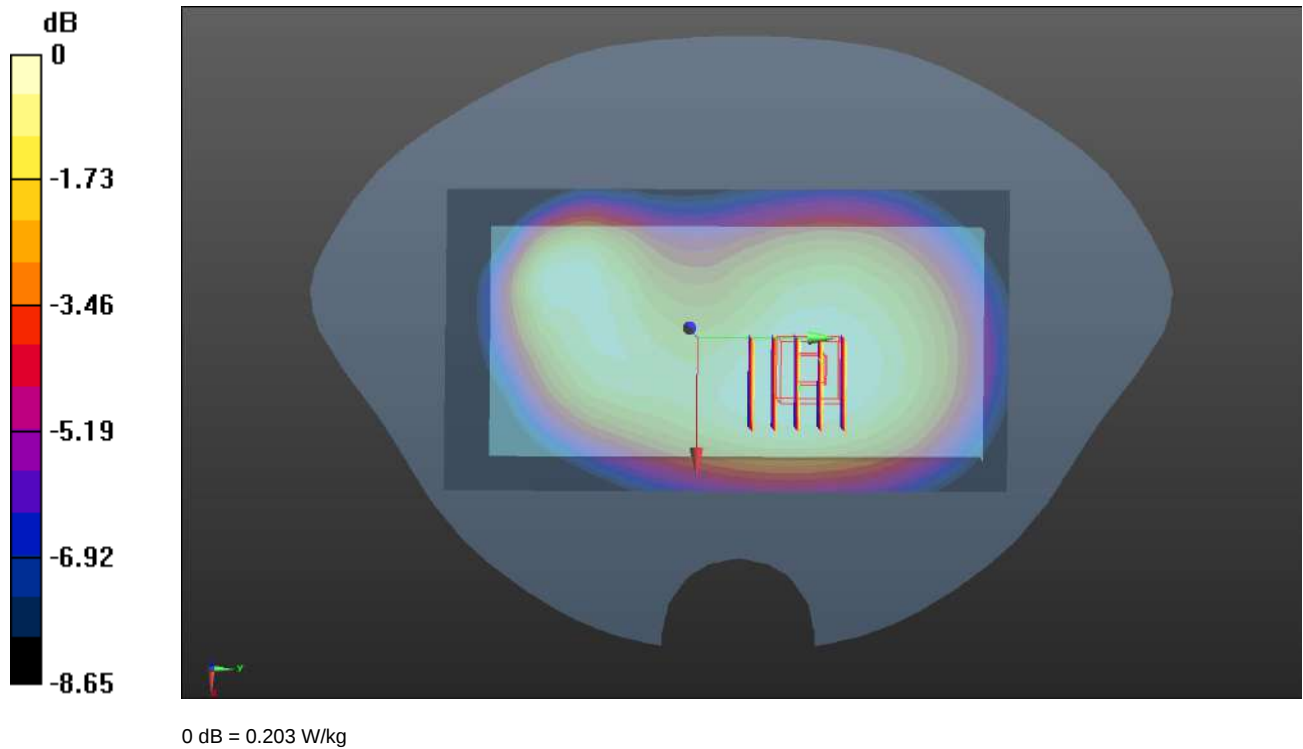
Peak SAR (extrapolated) = 0.296 W/kg

SAR(1 g) = 0.195 W/kg; SAR(10 g) = 0.135 W/kg

Smallest distance from peaks to all points 3 dB below = 13.5 mm

Ratio of SAR at M2 to SAR at M1 = 67.3%

Maximum value of SAR (measured) = 0.203 W/kg



Meas.24 Body Plane with Back Side 10mm on High Channel in LTE Band5 mode with Antenna 13

Date: 2025.01.01

Communication System Band: Band 5, E-UTRA/FDD (824.0 - 849.0 MHz); Frequency: 844 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 844$ MHz; $\sigma = 0.907$ S/m; $\epsilon_r = 40.707$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.3°C Liquid Temperature: 21.3°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3748; ConvF(8.73, 8.73, 8.73); Calibrated: 2024.04.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn540; Calibrated: 2024.02.22
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch20600/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.295 W/kg

Ch20600/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.55 V/m; Power Drift = -0.06 dB

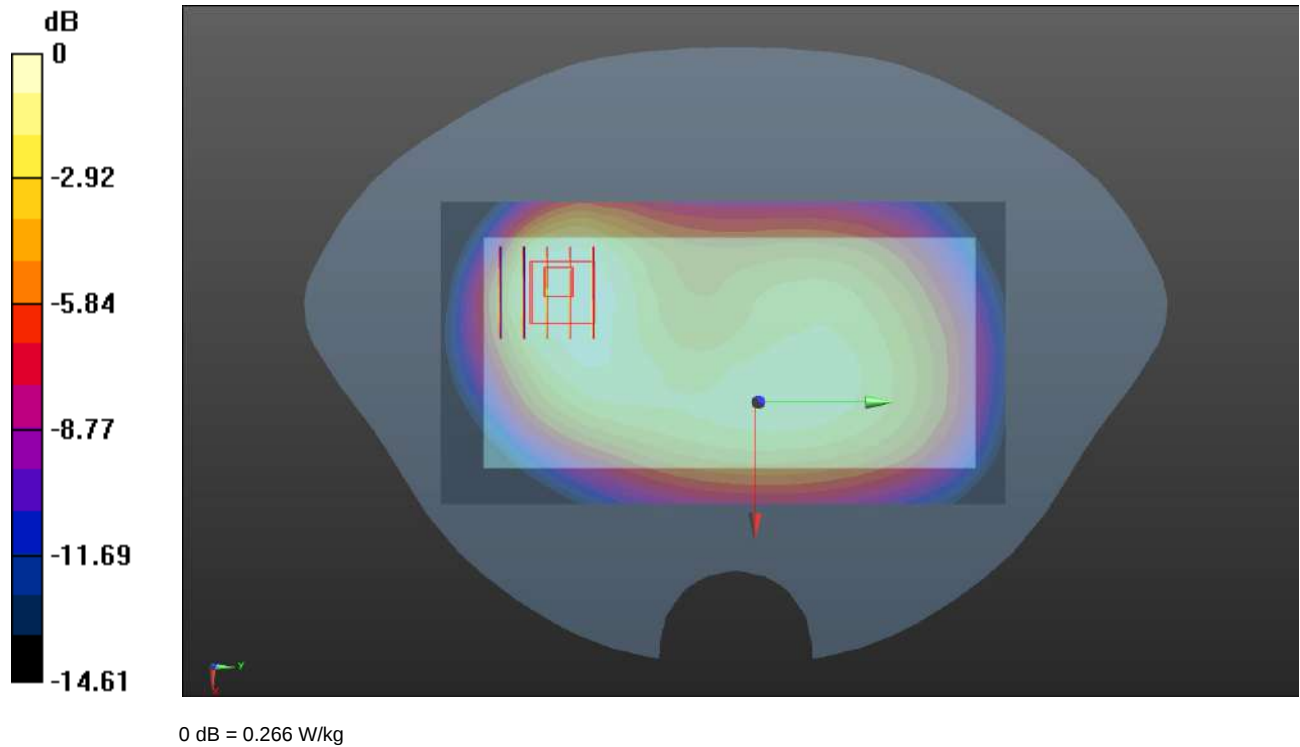
Peak SAR (extrapolated) = 0.398 W/kg

SAR(1 g) = 0.257 W/kg; SAR(10 g) = 0.168 W/kg

Smallest distance from peaks to all points 3 dB below = 14.3 mm

Ratio of SAR at M2 to SAR at M1 = 66.9%

Maximum value of SAR (measured) = 0.266 W/kg



Meas.25 Right Head with Tilt on Middle Channel in LTE Band7 mode with Antenna 13

Date: 2025.01.06

Communication System Band: Band 7, E-UTRA/FDD (2500.0 - 2570.0 MHz); Frequency: 2535 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 2535$ MHz; $\sigma = 1.888$ S/m; $\epsilon_r = 38.829$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Ambient Temperature: 22.2°C Liquid Temperature: 21.4°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3748; ConvF(6.8, 6.8, 6.8); Calibrated: 2024.04.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn540; Calibrated: 2024.02.22
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch21100/Area Scan (81x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.870 W/kg

Ch21100/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 15.74 V/m; Power Drift = -0.05 dB

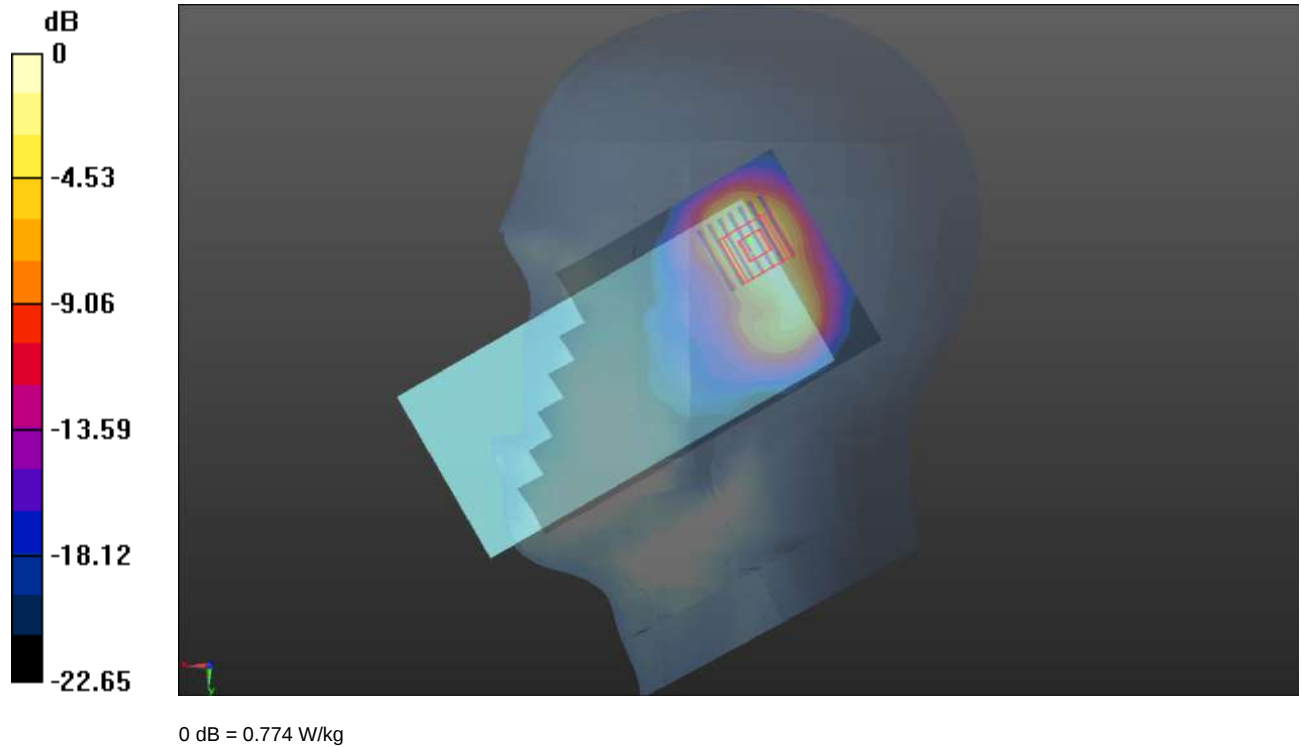
Peak SAR (extrapolated) = 1.47 W/kg

SAR(1 g) = 0.706 W/kg; SAR(10 g) = 0.338 W/kg

Smallest distance from peaks to all points 3 dB below = 10 mm

Ratio of SAR at M2 to SAR at M1 = 51.4%

Maximum value of SAR (measured) = 0.774 W/kg



Meas.26 Body Plane with Back Side 15mm on High Channel in LTE Band7 mode with Antenna 13

Date: 2025.01.06

Communication System Band: Band 7, E-UTRA/FDD (2500.0 - 2570.0 MHz); Frequency: 2560 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 2560$ MHz; $\sigma = 1.913$ S/m; $\epsilon_r = 38.823$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.2°C Liquid Temperature: 21.4°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3748; ConvF(6.8, 6.8, 6.8); Calibrated: 2024.04.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn540; Calibrated: 2024.02.22
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch21350/Area Scan (81x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.299 W/kg

Ch21350/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 13.12 V/m; Power Drift = 0.09 dB

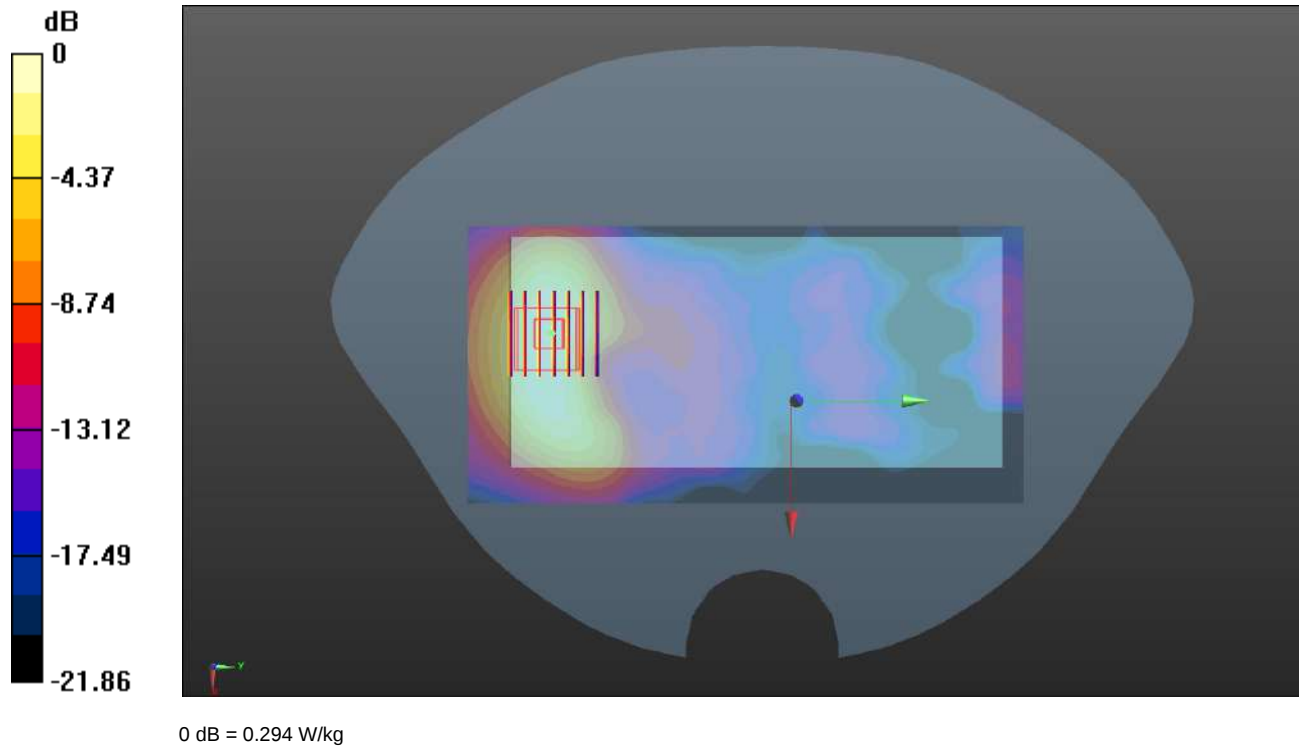
Peak SAR (extrapolated) = 0.491 W/kg

SAR(1 g) = 0.267 W/kg; SAR(10 g) = 0.142 W/kg

Smallest distance from peaks to all points 3 dB below = 12.4 mm

Ratio of SAR at M2 to SAR at M1 = 54.8%

Maximum value of SAR (measured) = 0.294 W/kg



Meas.27 Body Plane with Top Edge 10mm on High Channel in LTE Band7 mode with Antenna 13

Date: 2025.01.06

Communication System Band: Band 7, E-UTRA/FDD (2500.0 - 2570.0 MHz); Frequency: 2560 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 2560$ MHz; $\sigma = 1.913$ S/m; $\epsilon_r = 38.823$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.2°C Liquid Temperature: 21.4°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3748; ConvF(6.8, 6.8, 6.8); Calibrated: 2024.04.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn540; Calibrated: 2024.02.22
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch21350/Area Scan (61x101x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.688 W/kg

Ch21350/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 6.314 V/m; Power Drift = 0.02 dB

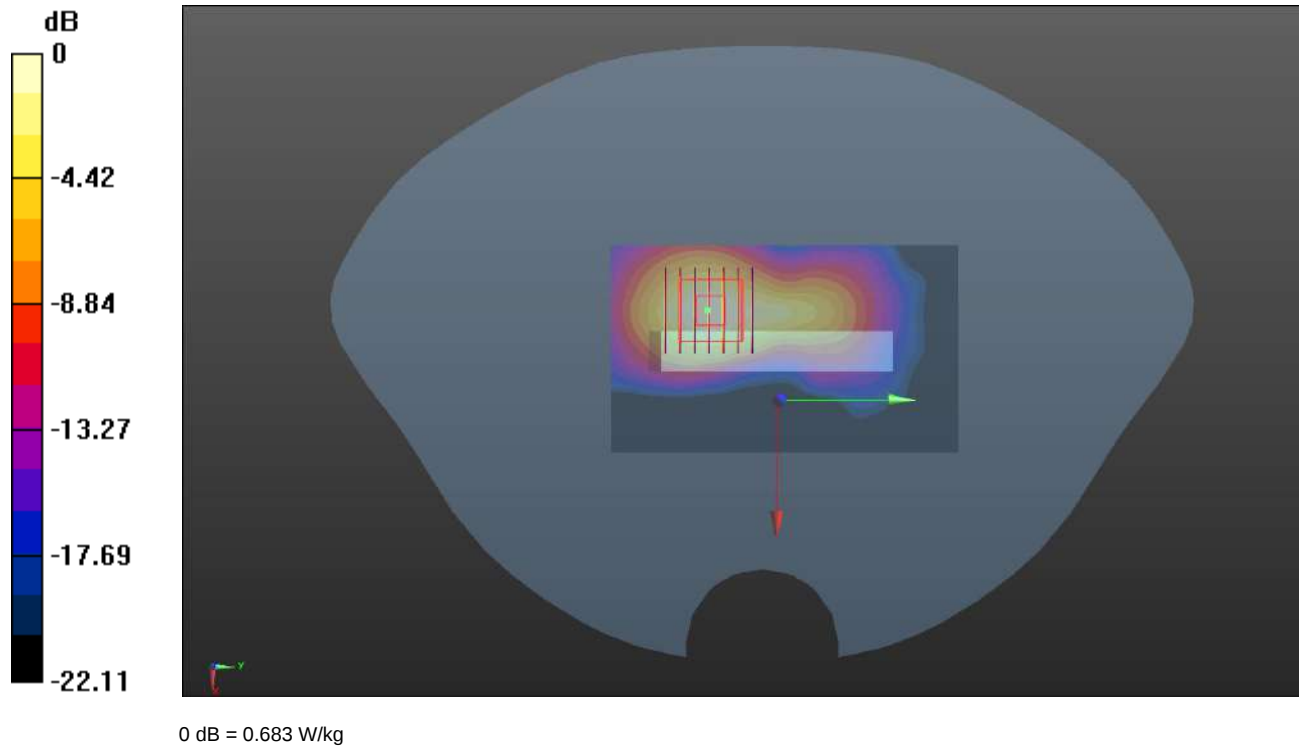
Peak SAR (extrapolated) = 1.17 W/kg

SAR(1 g) = 0.598 W/kg; SAR(10 g) = 0.285 W/kg

Smallest distance from peaks to all points 3 dB below = 10.4 mm

Ratio of SAR at M2 to SAR at M1 = 52.7%

Maximum value of SAR (measured) = 0.683 W/kg



Meas.28 Right Head with Cheek on Middle Channel in LTE Band13 mode with Antenna 13

Date: 2025.01.02

Communication System Band: Band 13, E-UTRA/FDD (777.0 - 787.0 MHz); Frequency: 782 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 782 \text{ MHz}$; $\sigma = 0.867 \text{ S/m}$; $\epsilon_r = 43.132$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

Ambient Temperature: 22.4°C Liquid Temperature: 21.6°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3748; ConvF(8.73, 8.73, 8.73); Calibrated: 2024.04.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn540; Calibrated: 2024.02.22
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch23230/Area Scan (71x131x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.586 W/kg

Ch23230/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 19.15 V/m; Power Drift = -0.05 dB

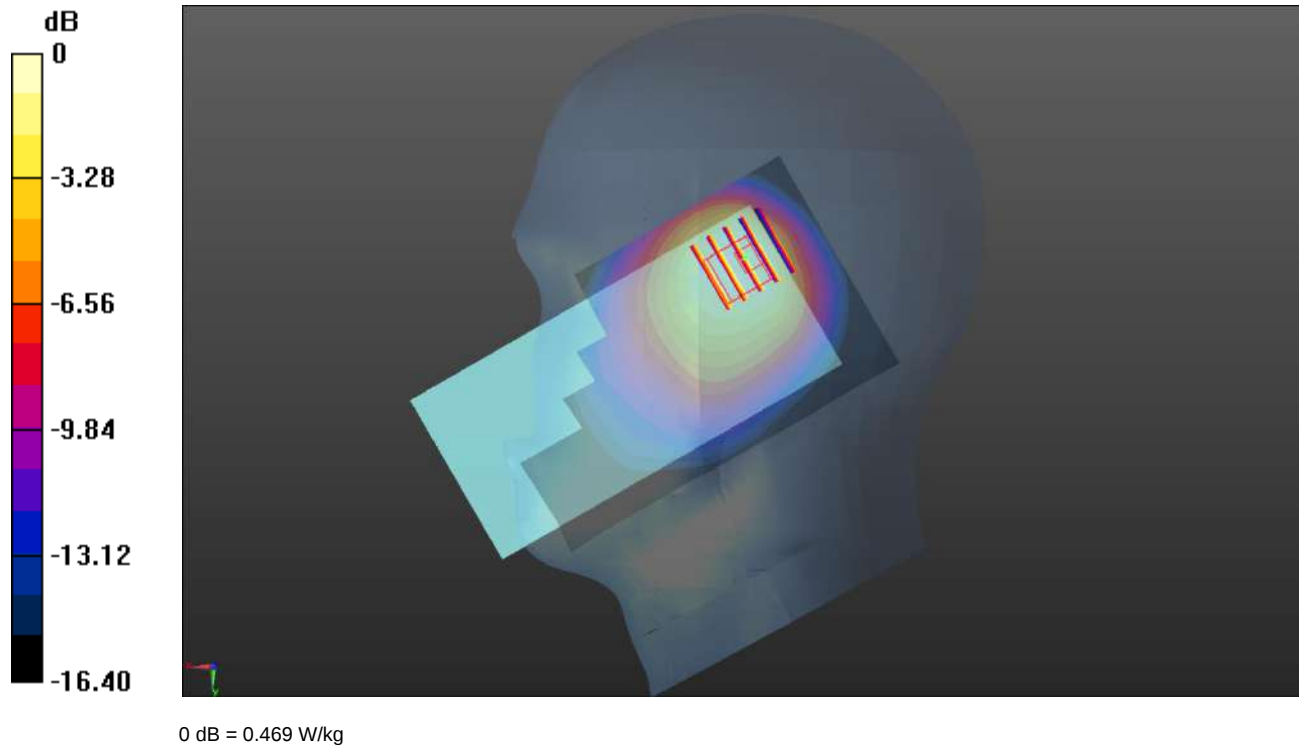
Peak SAR (extrapolated) = 0.859 W/kg

SAR(1 g) = 0.454 W/kg; SAR(10 g) = 0.286 W/kg

Smallest distance from peaks to all points 3 dB below = 9.3 mm

Ratio of SAR at M2 to SAR at M1 = 65.8%

Maximum value of SAR (measured) = 0.469 W/kg



Meas.29 Body Plane with Back Side 15mm on Middle Channel in LTE Band13 mode with Antenna 31

Date: 2025.01.02

Communication System Band: Band 13, E-UTRA/FDD (777.0 - 787.0 MHz); Frequency: 782 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 782$ MHz; $\sigma = 0.867$ S/m; $\epsilon_r = 43.132$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.4°C Liquid Temperature: 21.6°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3748; ConvF(8.73, 8.73, 8.73); Calibrated: 2024.04.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn540; Calibrated: 2024.02.22
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch23230/Area Scan (71x131x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.126 W/kg

Ch23230/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 12.06 V/m; Power Drift = -0.01 dB

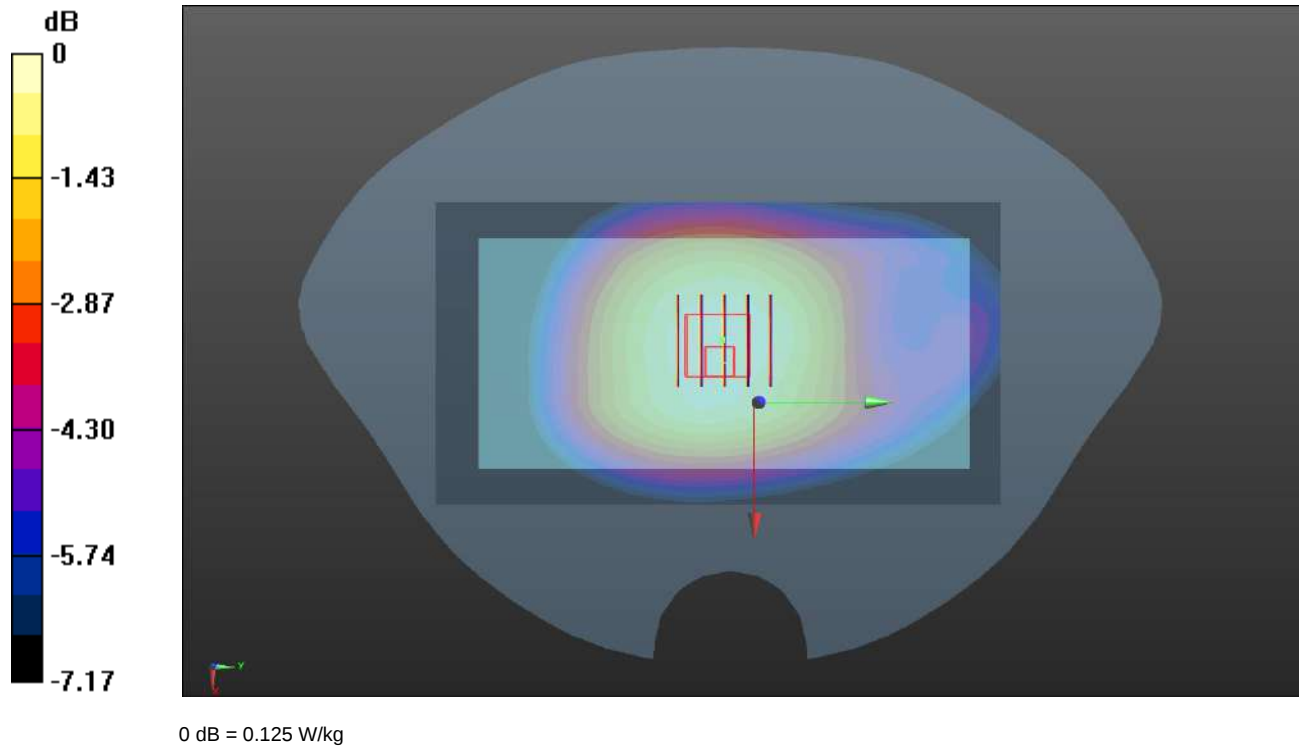
Peak SAR (extrapolated) = 0.146 W/kg

SAR(1 g) = 0.119 W/kg; SAR(10 g) = 0.093 W/kg

Smallest distance from peaks to all points 3 dB below = 9.3 mm

Ratio of SAR at M2 to SAR at M1 = 80.6%

Maximum value of SAR (measured) = 0.125 W/kg



Meas.30 Body Plane with Back Side 10mm on Middle Channel in LTE Band13 mode with Antenna 31

Date: 2025.01.02

Communication System Band: Band 13, E-UTRA/FDD (777.0 - 787.0 MHz); Frequency: 782 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 782$ MHz; $\sigma = 0.867$ S/m; $\epsilon_r = 43.132$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.4°C Liquid Temperature: 21.6°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3748; ConvF(8.73, 8.73, 8.73); Calibrated: 2024.04.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn540; Calibrated: 2024.02.22
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch23230/Area Scan (71x131x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.128 W/kg

Ch23230/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 12.36 V/m; Power Drift = -0.04 dB

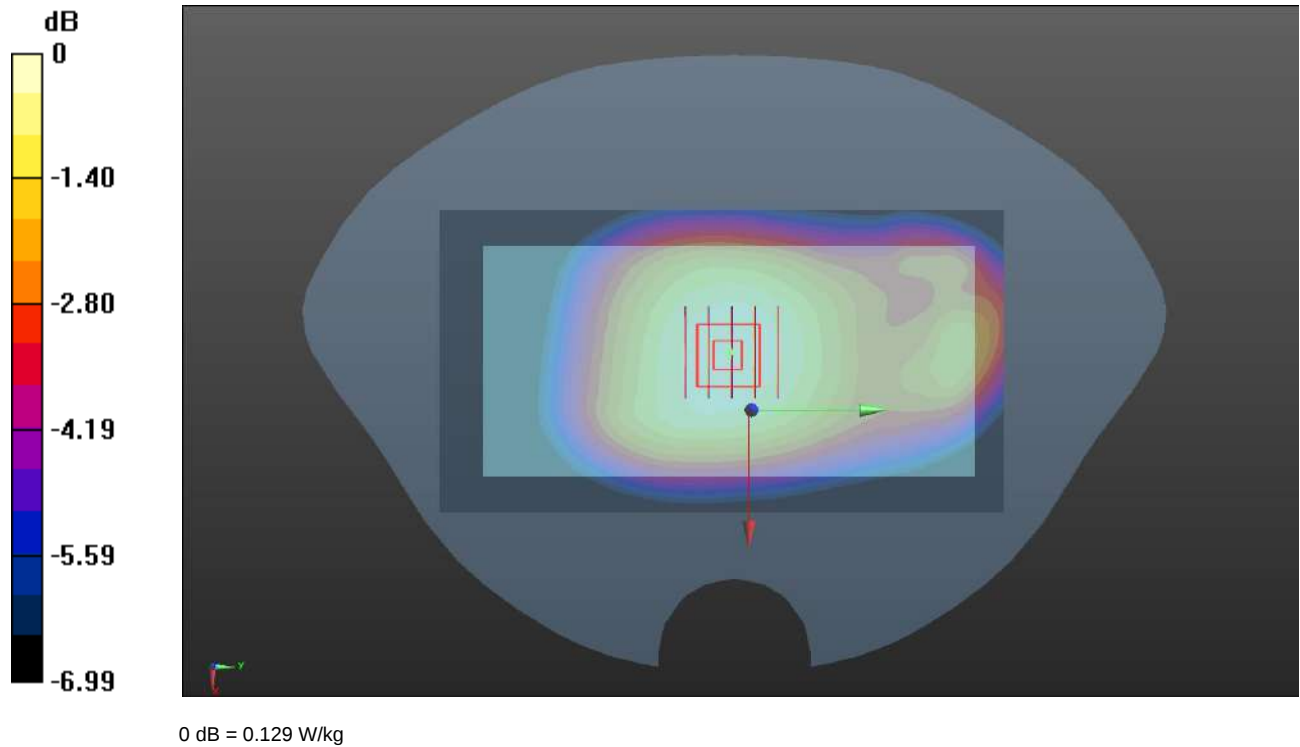
Peak SAR (extrapolated) = 0.151 W/kg

SAR(1 g) = 0.122 W/kg; SAR(10 g) = 0.096 W/kg

Smallest distance from peaks to all points 3 dB below = 9.6 mm

Ratio of SAR at M2 to SAR at M1 = 82%

Maximum value of SAR (measured) = 0.129 W/kg



Meas.31 Right Head with Cheek on Middle Channel in LTE Band18 mode with Antenna 13

Date: 2024.12.30

Communication System Band: Band 18, E-UTRA/FDD (815.0 - 830.0 MHz); Frequency: 822.5 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 822.5$ MHz; $\sigma = 0.87$ S/m; $\epsilon_r = 42.56$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Ambient Temperature: 22.2°C Liquid Temperature: 21.3°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3748; ConvF(8.73, 8.73, 8.73); Calibrated: 2024.04.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn540; Calibrated: 2024.02.22
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch23925/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.843 W/kg

Ch23925/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 22.28 V/m; Power Drift = -0.15 dB

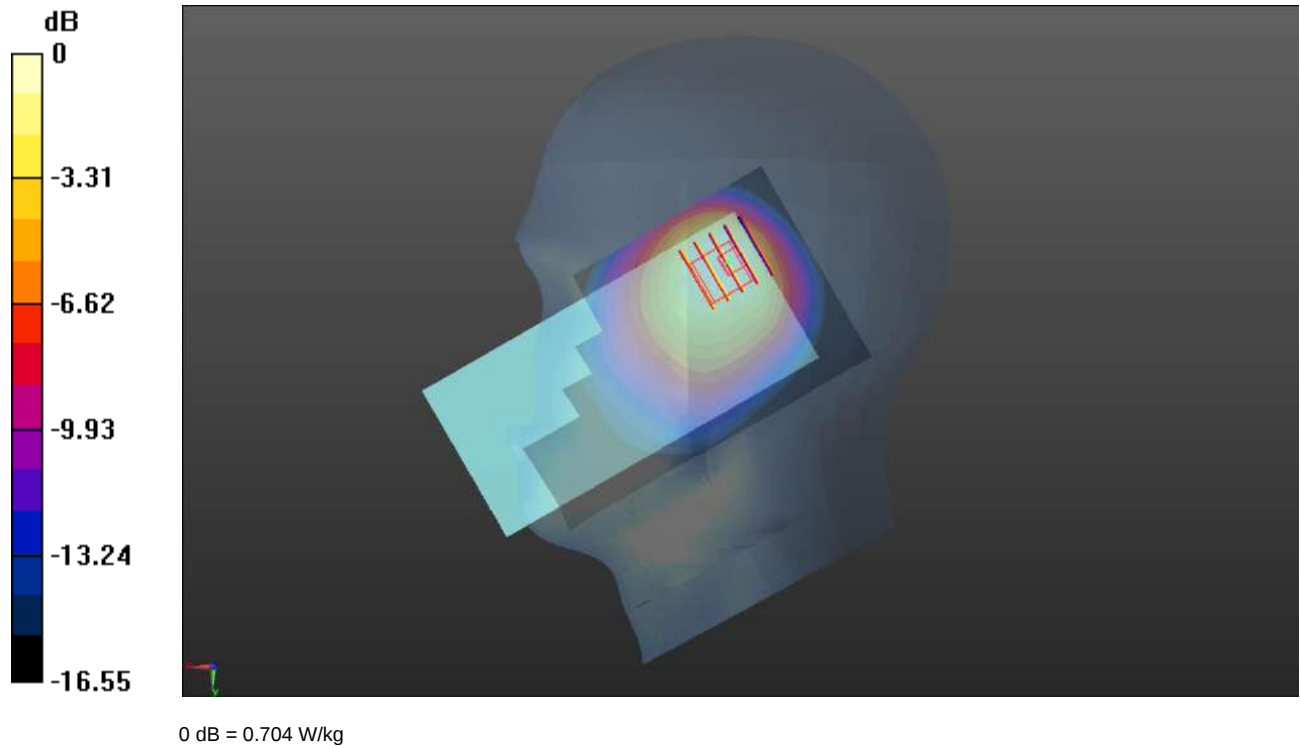
Peak SAR (extrapolated) = 1.22 W/kg

SAR(1 g) = 0.672 W/kg; SAR(10 g) = 0.426 W/kg

Smallest distance from peaks to all points 3 dB below = 10.1 mm

Ratio of SAR at M2 to SAR at M1 = 67.3%

Maximum value of SAR (measured) = 0.704 W/kg



Meas.32 Body Plane with Back Side 15mm on Middle Channel in LTE Band18 mode with Antenna 13

Date: 2024.12.30

Communication System Band: Band 18, E-UTRA/FDD (815.0 - 830.0 MHz); Frequency: 822.5 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 822.5$ MHz; $\sigma = 0.87$ S/m; $\epsilon_r = 42.56$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.2°C Liquid Temperature: 21.3°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3748; ConvF(8.73, 8.73, 8.73); Calibrated: 2024.04.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn540; Calibrated: 2024.02.22
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch23925/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.0909 W/kg

Ch23925/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.24 V/m; Power Drift = -0.05 dB

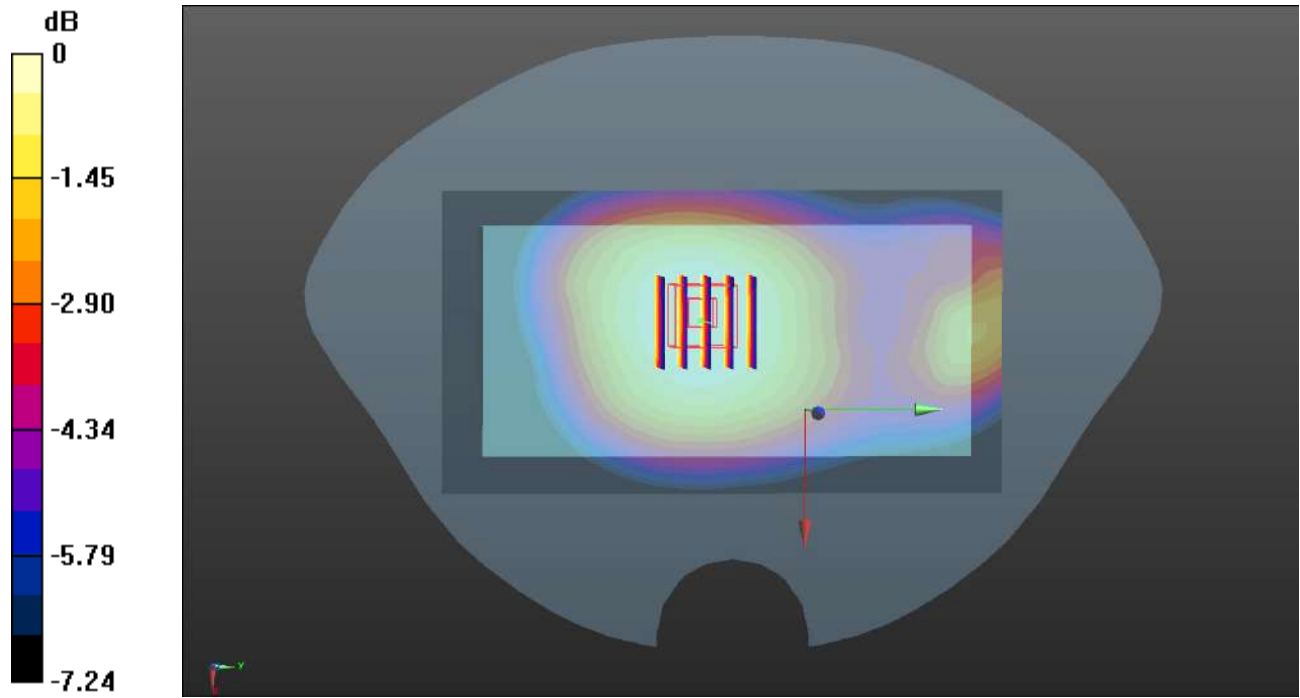
Peak SAR (extrapolated) = 0.103 W/kg

SAR(1 g) = 0.083 W/kg; SAR(10 g) = 0.064 W/kg

Smallest distance from peaks to all points 3 dB below = 9.5 mm

Ratio of SAR at M2 to SAR at M1 = 78.7%

Maximum value of SAR (measured) = 0.0870 W/kg



0 dB = 0.0870 W/kg

Meas.33 Body Plane with Back Side 10mm on Middle Channel in LTE Band18 mode with Antenna 13

Date: 2024.12.30

Communication System Band: Band 18, E-UTRA/FDD (815.0 - 830.0 MHz); Frequency: 822.5 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 822.5$ MHz; $\sigma = 0.87$ S/m; $\epsilon_r = 42.56$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.2°C Liquid Temperature: 21.3°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3748; ConvF(8.73, 8.73, 8.73); Calibrated: 2024.04.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn540; Calibrated: 2024.02.22
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch23925/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.252 W/kg

Ch23925/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.62 V/m; Power Drift = -0.06 dB

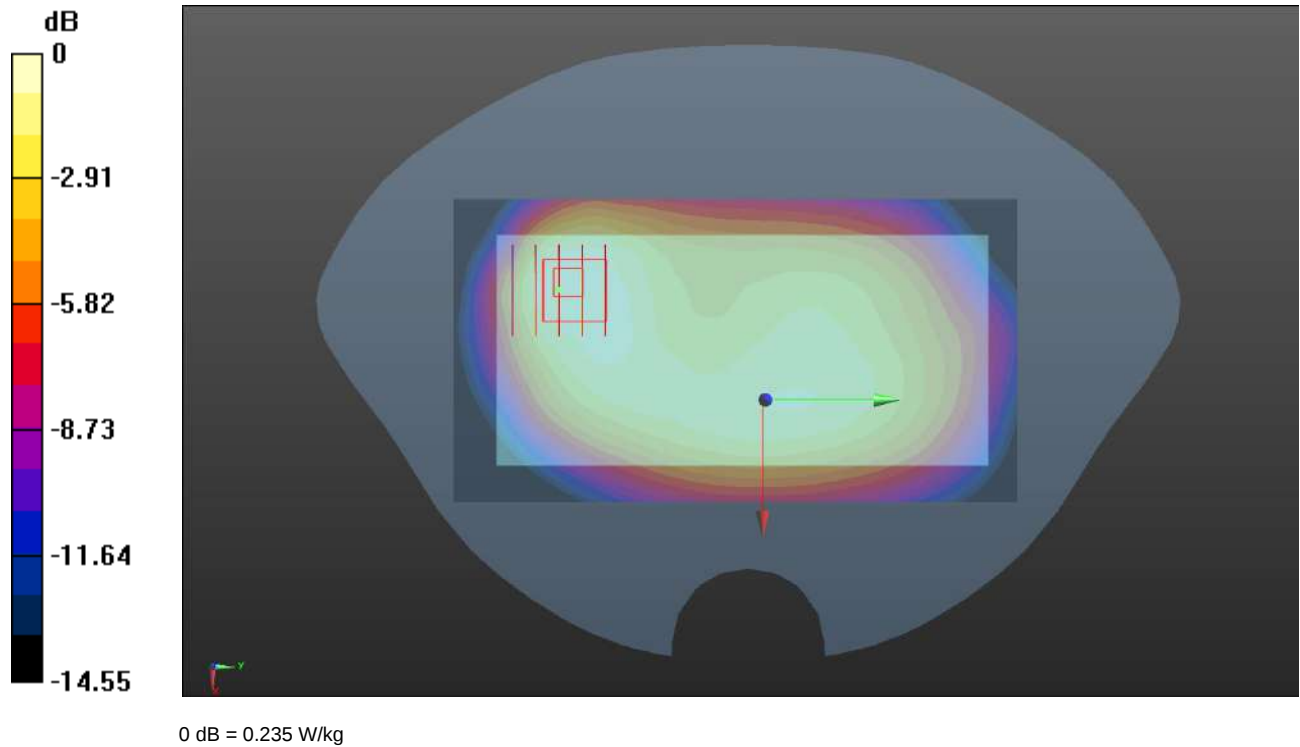
Peak SAR (extrapolated) = 0.347 W/kg

SAR(1 g) = 0.226 W/kg; SAR(10 g) = 0.146 W/kg

Smallest distance from peaks to all points 3 dB below = 12.9 mm

Ratio of SAR at M2 to SAR at M1 = 66.1%

Maximum value of SAR (measured) = 0.235 W/kg



Meas.34 Right Head with Cheek on Middle Channel in LTE Band19 mode with Antenna 13

Date: 2024.12.30

Communication System Band: Band 19, E-UTRA/FDD (830.0 - 845.0 MHz); Frequency: 837.5 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 837.5$ MHz; $\sigma = 0.915$ S/m; $\epsilon_r = 41.231$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Ambient Temperature: 22.2°C Liquid Temperature: 21.3°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3748; ConvF(8.73, 8.73, 8.73); Calibrated: 2024.04.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn540; Calibrated: 2024.02.22
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch24075/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.748 W/kg

Ch24075/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 20.65 V/m; Power Drift = -0.09 dB

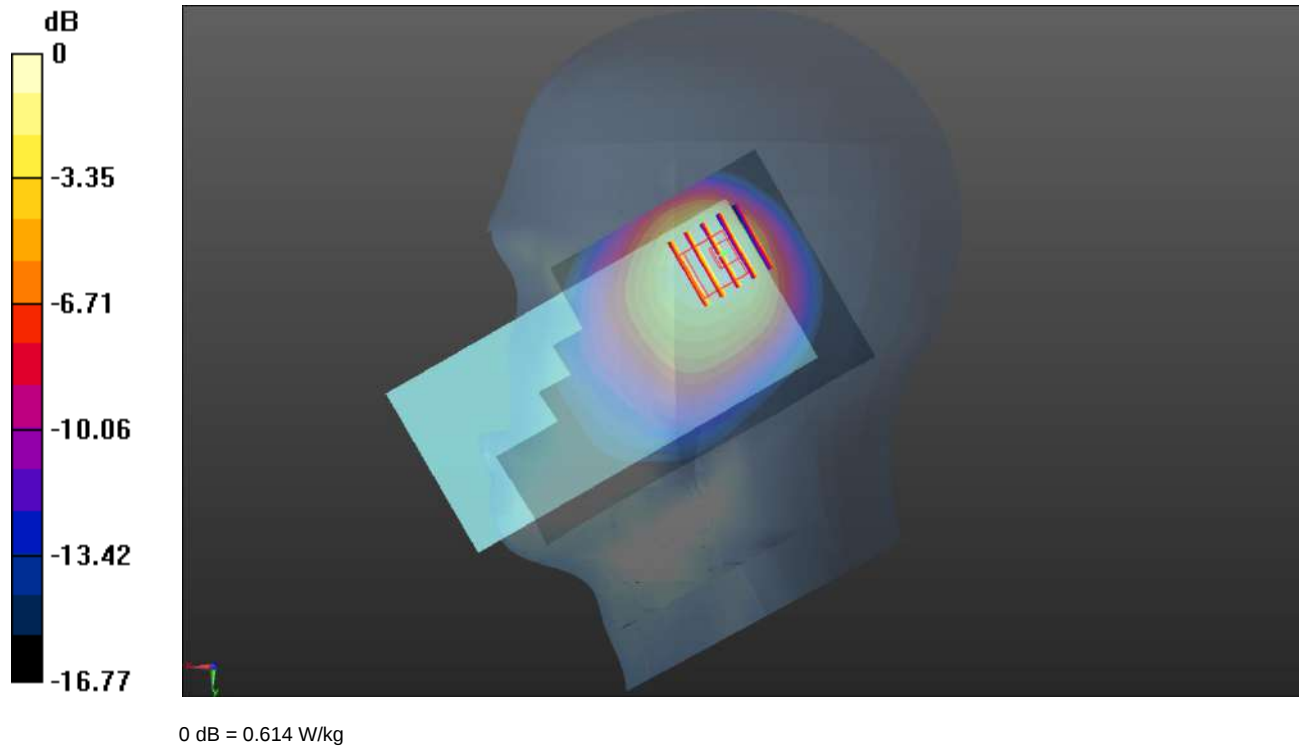
Peak SAR (extrapolated) = 1.08 W/kg

SAR(1 g) = 0.586 W/kg; SAR(10 g) = 0.367 W/kg

Smallest distance from peaks to all points 3 dB below = 9.6 mm

Ratio of SAR at M2 to SAR at M1 = 65.4%

Maximum value of SAR (measured) = 0.614 W/kg



Meas.35 Body Plane with Back Side 15mm on Middle Channel in LTE Band19 mode with Antenna 13

Date: 2024.12.30

Communication System Band: Band 19, E-UTRA/FDD (830.0 - 845.0 MHz); Frequency: 837.5 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 837.5$ MHz; $\sigma = 0.915$ S/m; $\epsilon_r = 41.231$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.2°C Liquid Temperature: 21.3°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3748; ConvF(8.73, 8.73, 8.73); Calibrated: 2024.04.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn540; Calibrated: 2024.02.22
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch24075/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.0918 W/kg

Ch24075/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.24 V/m; Power Drift = -0.03 dB

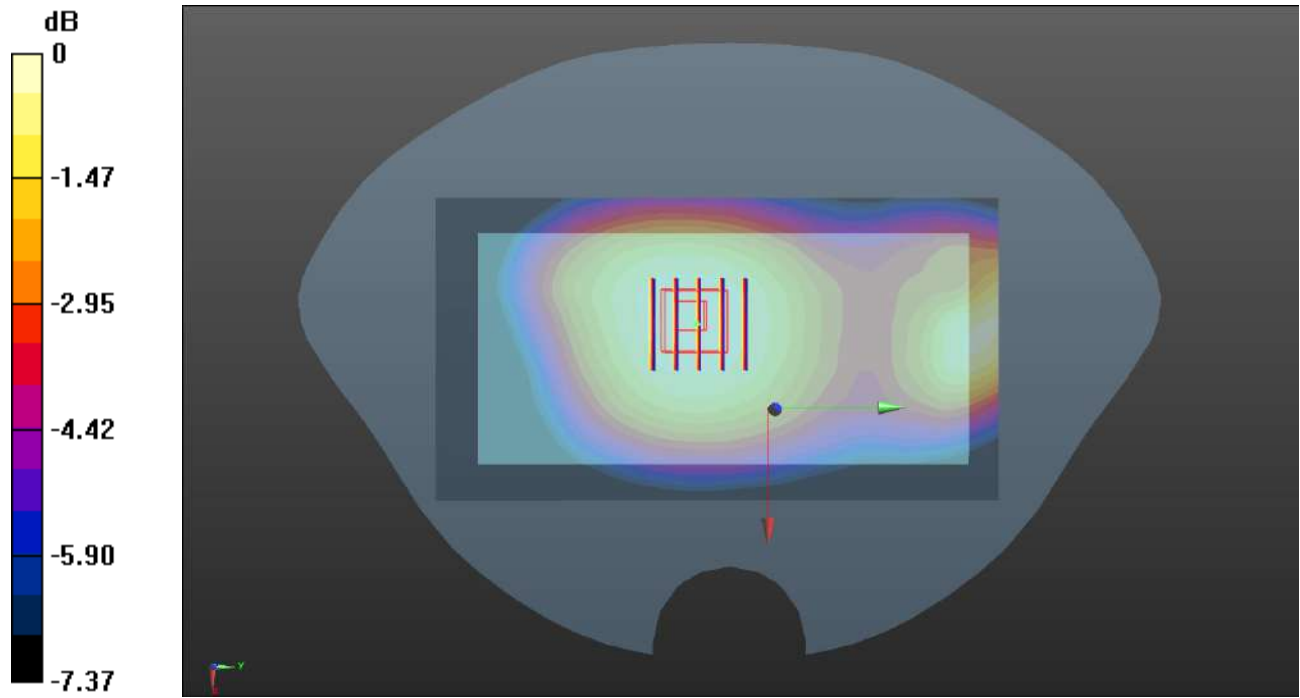
Peak SAR (extrapolated) = 0.110 W/kg

SAR(1 g) = 0.088 W/kg; SAR(10 g) = 0.068 W/kg

Smallest distance from peaks to all points 3 dB below = 9.2 mm

Ratio of SAR at M2 to SAR at M1 = 79.1%

Maximum value of SAR (measured) = 0.0925 W/kg



Meas.36 Body Plane with Back Side 10mm on Middle Channel in LTE Band19 mode with Antenna 13

Date: 2024.12.30

Communication System Band: Band 19, E-UTRA/FDD (830.0 - 845.0 MHz); Frequency: 837.5 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 837.5$ MHz; $\sigma = 0.915$ S/m; $\epsilon_r = 41.231$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.2°C Liquid Temperature: 21.3°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3748; ConvF(8.73, 8.73, 8.73); Calibrated: 2024.04.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn540; Calibrated: 2024.02.22
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch24075/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.286 W/kg

Ch24075/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.59 V/m; Power Drift = -0.14 dB

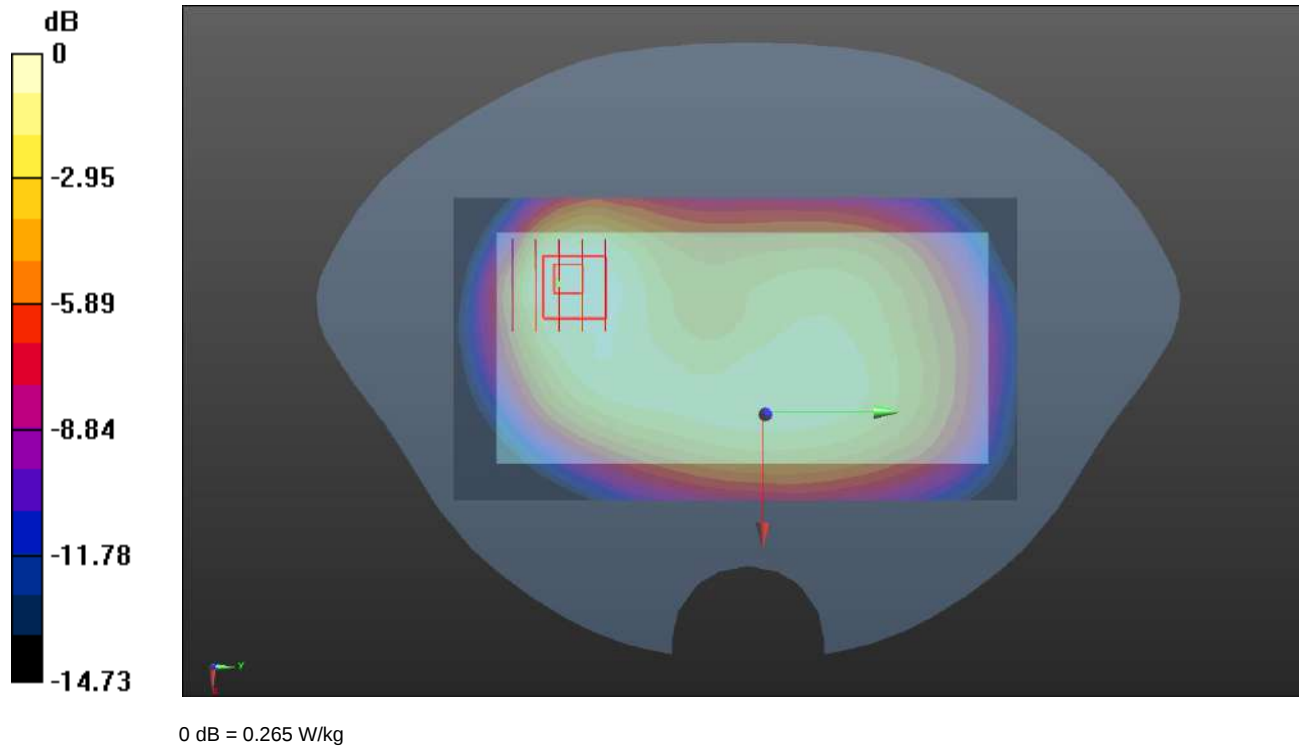
Peak SAR (extrapolated) = 0.391 W/kg

SAR(1 g) = 0.249 W/kg; SAR(10 g) = 0.160 W/kg

Smallest distance from peaks to all points 3 dB below = 15.1 mm

Ratio of SAR at M2 to SAR at M1 = 65.7%

Maximum value of SAR (measured) = 0.265 W/kg



Meas.37 Right Head with Cheek on High Channel in LTE Band26 mode with Antenna 13

Date: 2025.01.01

Communication System Band: Band26,E-UTRA/FDD(814-849); Frequency: 841.5 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 841.5$ MHz; $\sigma = 0.894$ S/m; $\epsilon_r = 40.771$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Ambient Temperature:22.3℃ Liquid Temperature:21.3℃

DASY5 Configuration:

- Probe: EX3DV4 - SN3748; ConvF(8.73, 8.73, 8.73); Calibrated: 2024.04.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn540; Calibrated: 2024.02.22
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch26965/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.829 W/kg

Ch26965/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 22.00 V/m; Power Drift = -0.02 dB

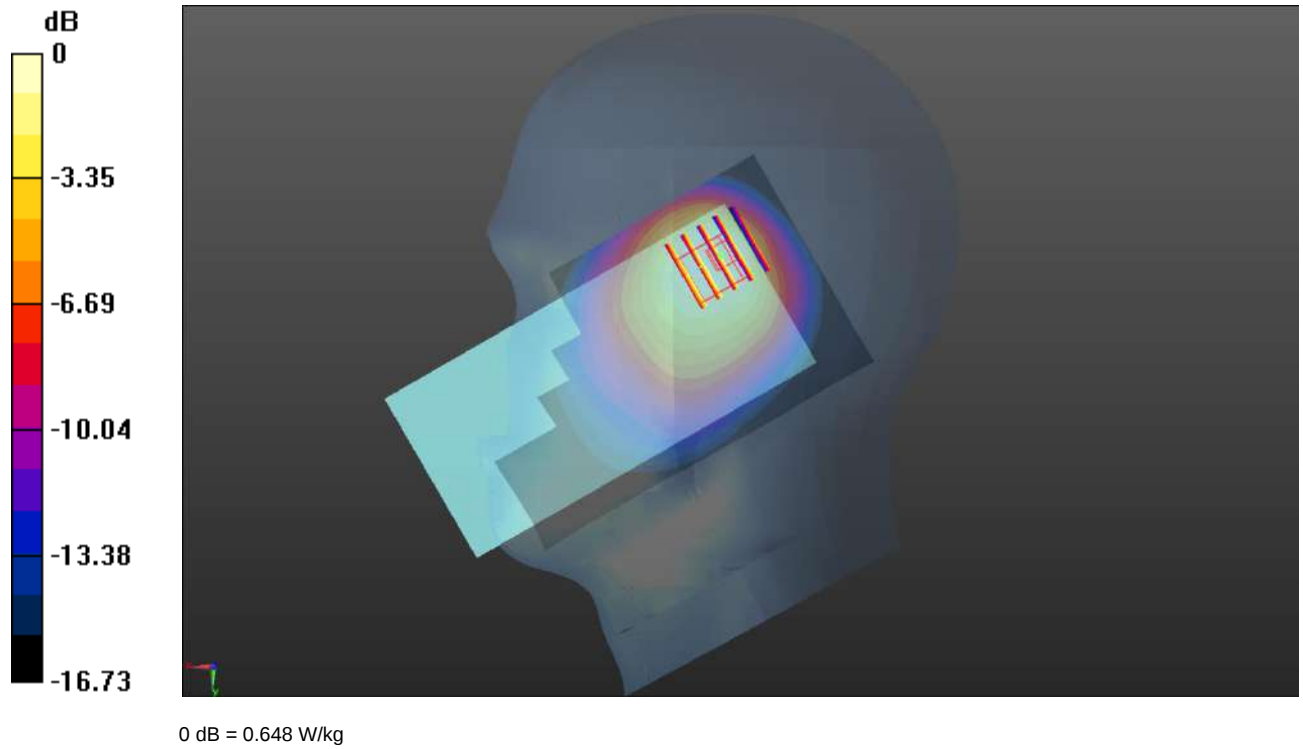
Peak SAR (extrapolated) = 1.15 W/kg

SAR(1 g) = 0.628 W/kg; SAR(10 g) = 0.409 W/kg

Smallest distance from peaks to all points 3 dB below = 9.3 mm

Ratio of SAR at M2 to SAR at M1 = 71.7%

Maximum value of SAR (measured) = 0.648 W/kg



Meas.38 Body Plane with Back Side 15mm on High Channel in LTE Band26 mode with Antenna 13

Date: 2025.01.01

Communication System Band: Band26,E-UTRA/FDD(814-849); Frequency: 841.5 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 841.5$ MHz; $\sigma = 0.894$ S/m; $\epsilon_r = 40.771$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature:22.3℃ Liquid Temperature:21.3℃

DASY5 Configuration:

- Probe: EX3DV4 - SN3748; ConvF(8.73, 8.73, 8.73); Calibrated: 2024.04.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn540; Calibrated: 2024.02.22
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch26965/Area Scan (71x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.182 W/kg

Ch26965/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.58 V/m; Power Drift = -0.01 dB

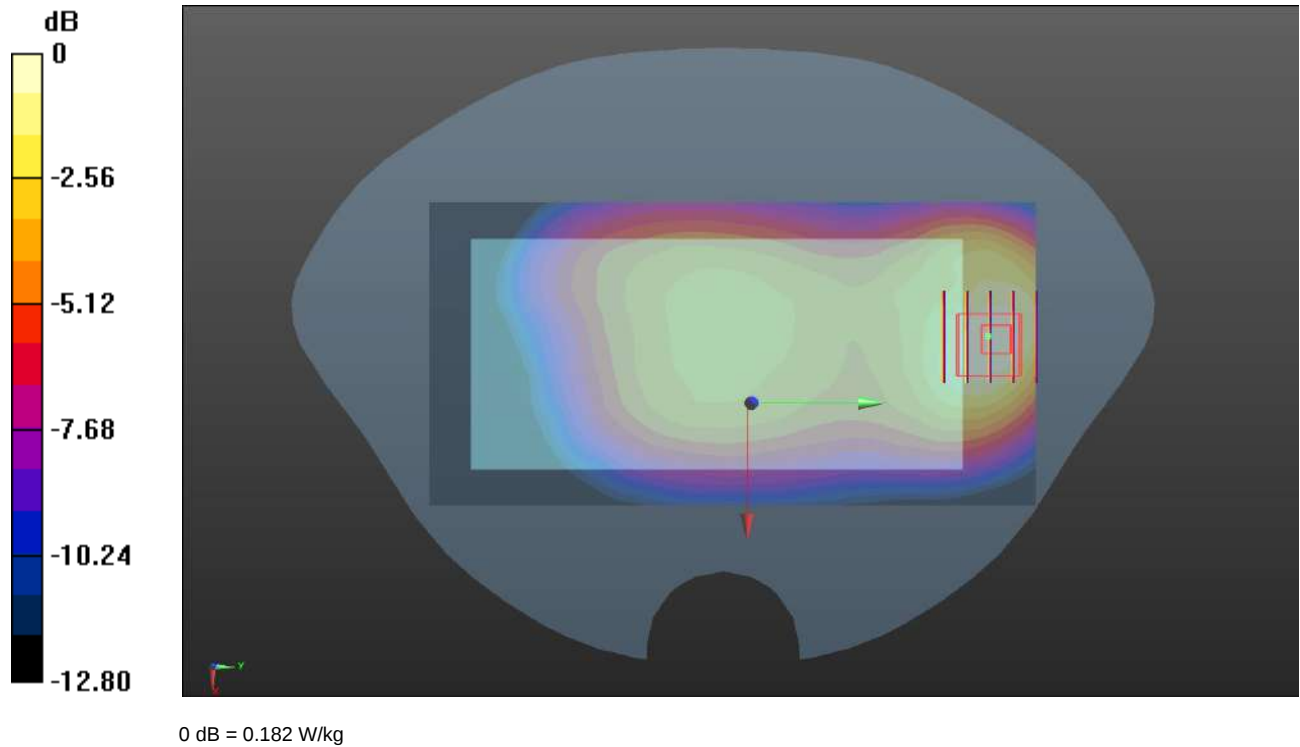
Peak SAR (extrapolated) = 0.271 W/kg

SAR(1 g) = 0.171 W/kg; SAR(10 g) = 0.106 W/kg

Smallest distance from peaks to all points 3 dB below = 15.8 mm

Ratio of SAR at M2 to SAR at M1 = 64.2%

Maximum value of SAR (measured) = 0.182 W/kg



Meas.39 Body Plane with Back Side 10mm on High Channel in LTE Band26 mode with Antenna 13

Date: 2025.01.01

Communication System Band: Band26,E-UTRA/FDD(814-849); Frequency: 841.5 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 841.5$ MHz; $\sigma = 0.894$ S/m; $\epsilon_r = 40.771$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature:22.3℃ Liquid Temperature:21.3℃

DASY5 Configuration:

- Probe: EX3DV4 - SN3748; ConvF(8.73, 8.73, 8.73); Calibrated: 2024.04.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn540; Calibrated: 2024.02.22
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch26965/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.286 W/kg

Ch26965/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.65 V/m; Power Drift = -0.01 dB

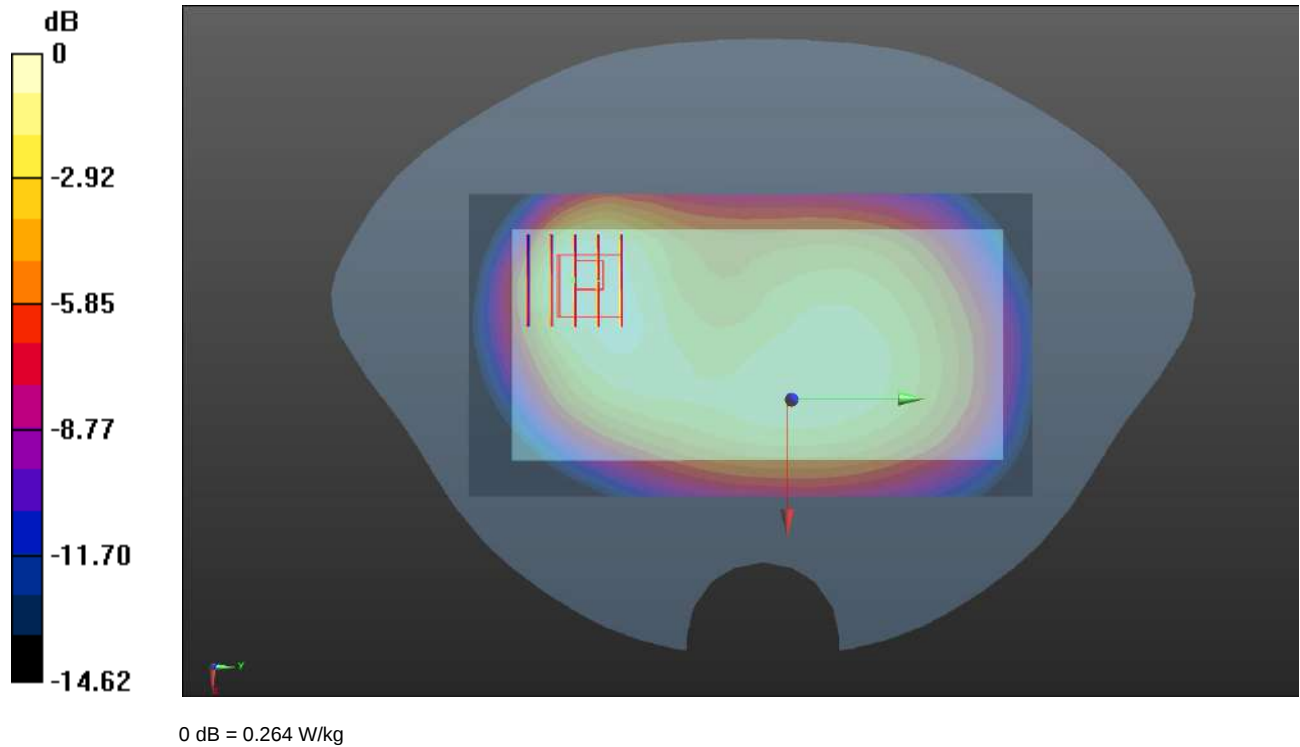
Peak SAR (extrapolated) = 0.385 W/kg

SAR(1 g) = 0.249 W/kg; SAR(10 g) = 0.161 W/kg

Smallest distance from peaks to all points 3 dB below = 14.3 mm

Ratio of SAR at M2 to SAR at M1 = 68.1%

Maximum value of SAR (measured) = 0.264 W/kg



Meas.40 Right Head with Tilt on High Channel in LTE Band66 mode with Antenna 13

Date: 2025.01.03

Communication System Band: Band 66,E-UTRA/FDD; Frequency: 1770 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 1770$ MHz; $\sigma = 1.398$ S/m; $\epsilon_r = 39.223$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Ambient Temperature:22.5℃ Liquid Temperature:21.7℃

DASY5 Configuration:

- Probe: EX3DV4 - SN3748; ConvF(7.35, 7.35, 7.35); Calibrated: 2024.04.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn540; Calibrated: 2024.02.22
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch132572/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.769 W/kg

Ch132572/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 17.85 V/m; Power Drift = 0.02 dB

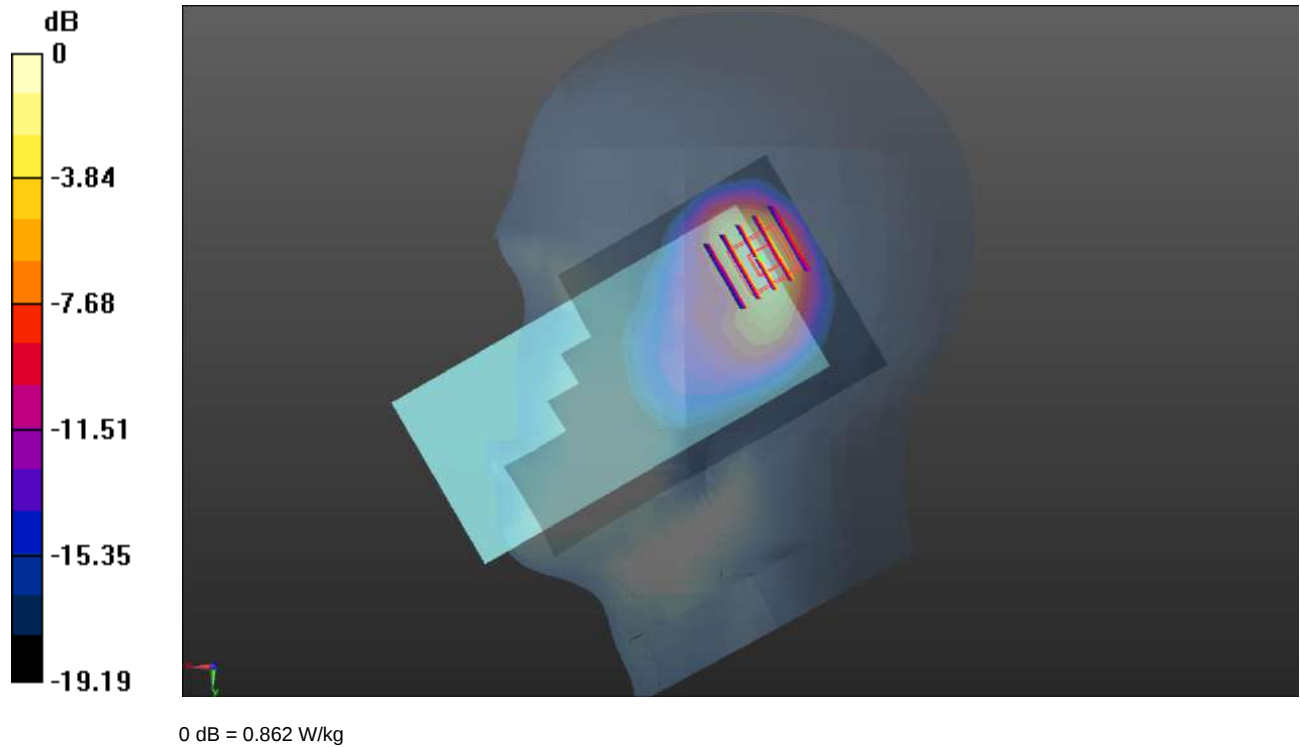
Peak SAR (extrapolated) = 1.39 W/kg

SAR(1 g) = 0.722 W/kg; SAR(10 g) = 0.341 W/kg

Smallest distance from peaks to all points 3 dB below = 8.2 mm

Ratio of SAR at M2 to SAR at M1 = 53.7%

Maximum value of SAR (measured) = 0.862 W/kg



Meas.41 Body Plane with Back Side 15mm on Middle Channel in LTE Band66 mode with Antenna 31

Date: 2025.01.03

Communication System Band: Band 66,E-UTRA/FDD; Frequency: 1745 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 1745$ MHz; $\sigma = 1.363$ S/m; $\epsilon_r = 40.377$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature:22.5℃ Liquid Temperature:21.7℃

DASY5 Configuration:

- Probe: EX3DV4 - SN3748; ConvF(7.35, 7.35, 7.35); Calibrated: 2024.04.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn540; Calibrated: 2024.02.22
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch132322/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.161 W/kg

Ch132322/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.448 V/m; Power Drift = 0.05 dB

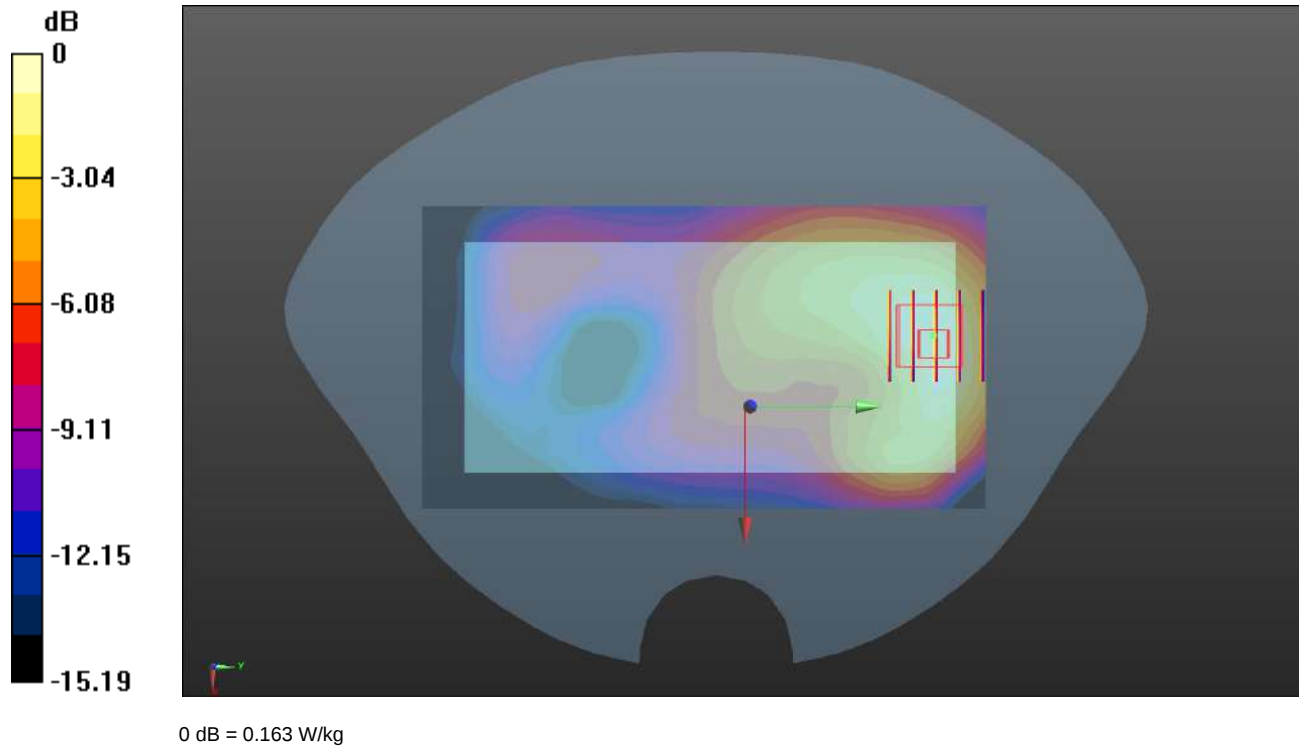
Peak SAR (extrapolated) = 0.224 W/kg

SAR(1 g) = 0.152 W/kg; SAR(10 g) = 0.097 W/kg

Smallest distance from peaks to all points 3 dB below = 17 mm

Ratio of SAR at M2 to SAR at M1 = 68.4%

Maximum value of SAR (measured) = 0.163 W/kg



Meas.42 Body Plane with Top Edge 10mm on High Channel in LTE Band66 mode with Antenna 13

Date: 2025.01.03

Communication System Band: Band 66,E-UTRA/FDD; Frequency: 1770 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 1770$ MHz; $\sigma = 1.398$ S/m; $\epsilon_r = 39.223$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature:22.5℃ Liquid Temperature:21.7℃

DASY5 Configuration:

- Probe: EX3DV4 - SN3748; ConvF(7.35, 7.35, 7.35); Calibrated: 2024.04.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn540; Calibrated: 2024.02.22
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch132572/Area Scan (51x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.408 W/kg

Ch132572/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.16 V/m; Power Drift = 0.10 dB

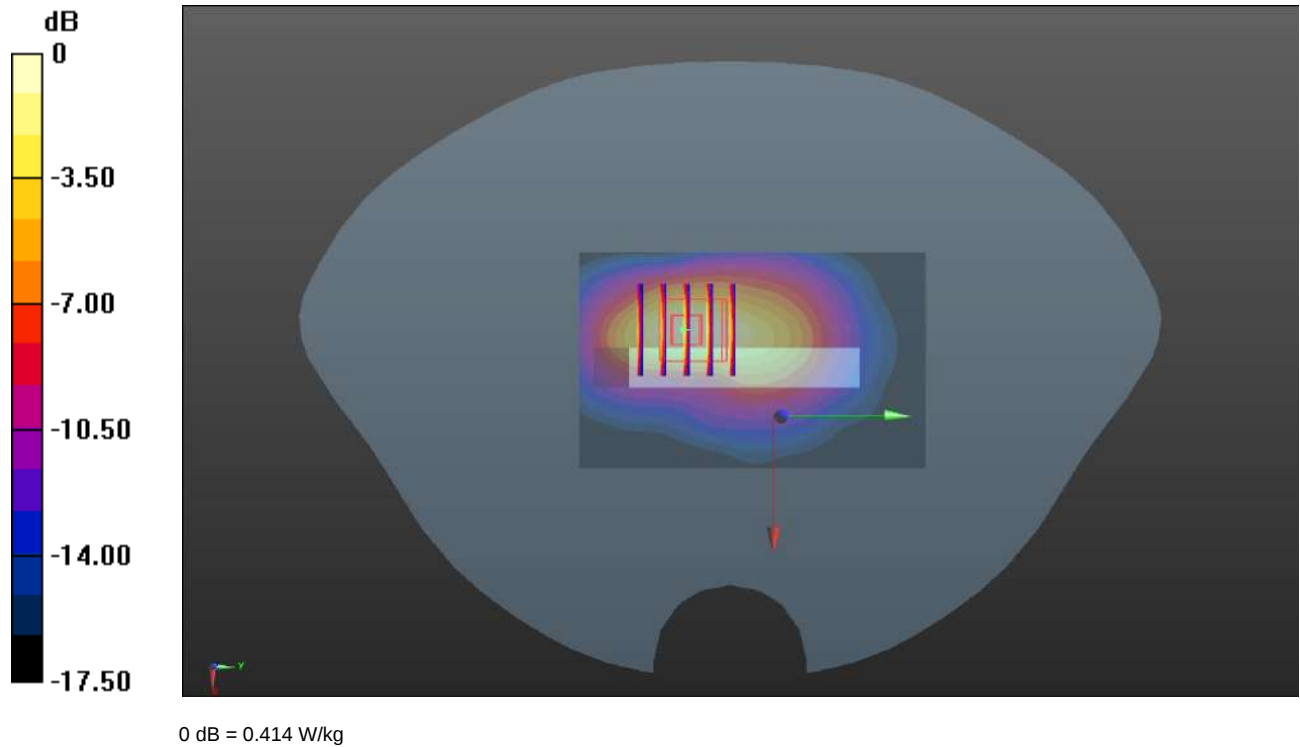
Peak SAR (extrapolated) = 0.638 W/kg

SAR(1 g) = 0.363 W/kg; SAR(10 g) = 0.189 W/kg

Smallest distance from peaks to all points 3 dB below = 9.6 mm

Ratio of SAR at M2 to SAR at M1 = 60.2%

Maximum value of SAR (measured) = 0.414 W/kg



Meas.43 Right Head with Tilt on Middle Channel in LTE Band38 mode with Antenna 13

Date: 2025.01.07

Communication System Band: Band 38, E-UTRA/TDD (2570.0 - 2620.0 MHz); Frequency: 2595 MHz; Duty Cycle: 1:1.58

Medium parameters used (interpolated): $f = 2595$ MHz; $\sigma = 1.99$ S/m; $\epsilon_r = 39.018$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Ambient Temperature: 22.5°C Liquid Temperature: 21.7°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3748; ConvF(6.8, 6.8, 6.8); Calibrated: 2024.04.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn540; Calibrated: 2024.02.22
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch38000/Area Scan (81x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.860 W/kg

Ch38000/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 15.34 V/m; Power Drift = -0.10 dB

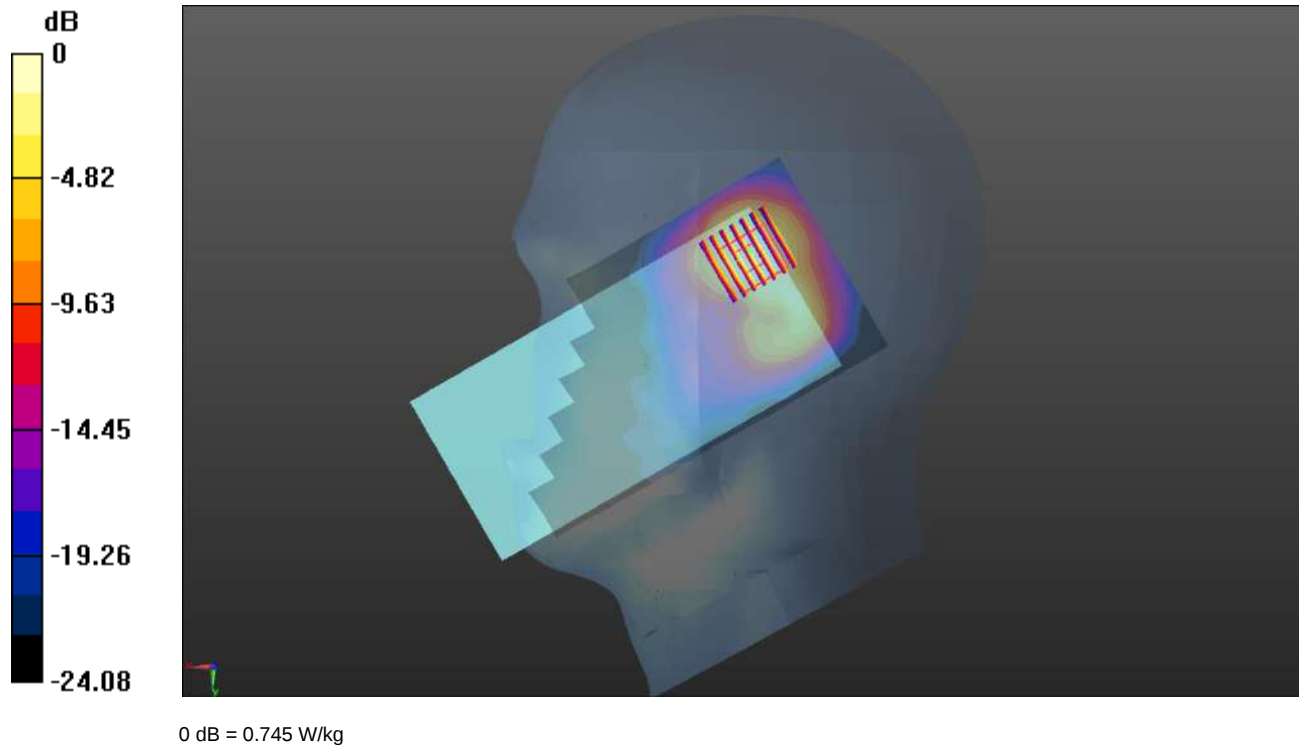
Peak SAR (extrapolated) = 1.27 W/kg

SAR(1 g) = 0.670 W/kg; SAR(10 g) = 0.334 W/kg

Smallest distance from peaks to all points 3 dB below = 8.5 mm

Ratio of SAR at M2 to SAR at M1 = 56.3%

Maximum value of SAR (measured) = 0.745 W/kg



Meas.44 Body Plane with Back Side 15mm on High Channel in LTE Band38 mode with Antenna 13

Date: 2025.01.07

Communication System Band: Band 38, E-UTRA/TDD (2570.0 - 2620.0 MHz); Frequency: 2610 MHz; Duty Cycle: 1:1.58

Medium parameters used (interpolated): $f = 2610$ MHz; $\sigma = 2.029$ S/m; $\epsilon_r = 37.754$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.5°C Liquid Temperature: 21.7°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3748; ConvF(6.8, 6.8, 6.8); Calibrated: 2024.04.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn540; Calibrated: 2024.02.22
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch38150/Area Scan (81x161x1): Interpolated grid: $dx=1.200$ mm, $dy=1.200$ mm

Maximum value of SAR (interpolated) = 0.245 W/kg

Ch38150/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 1.471 V/m; Power Drift = 0.01 dB

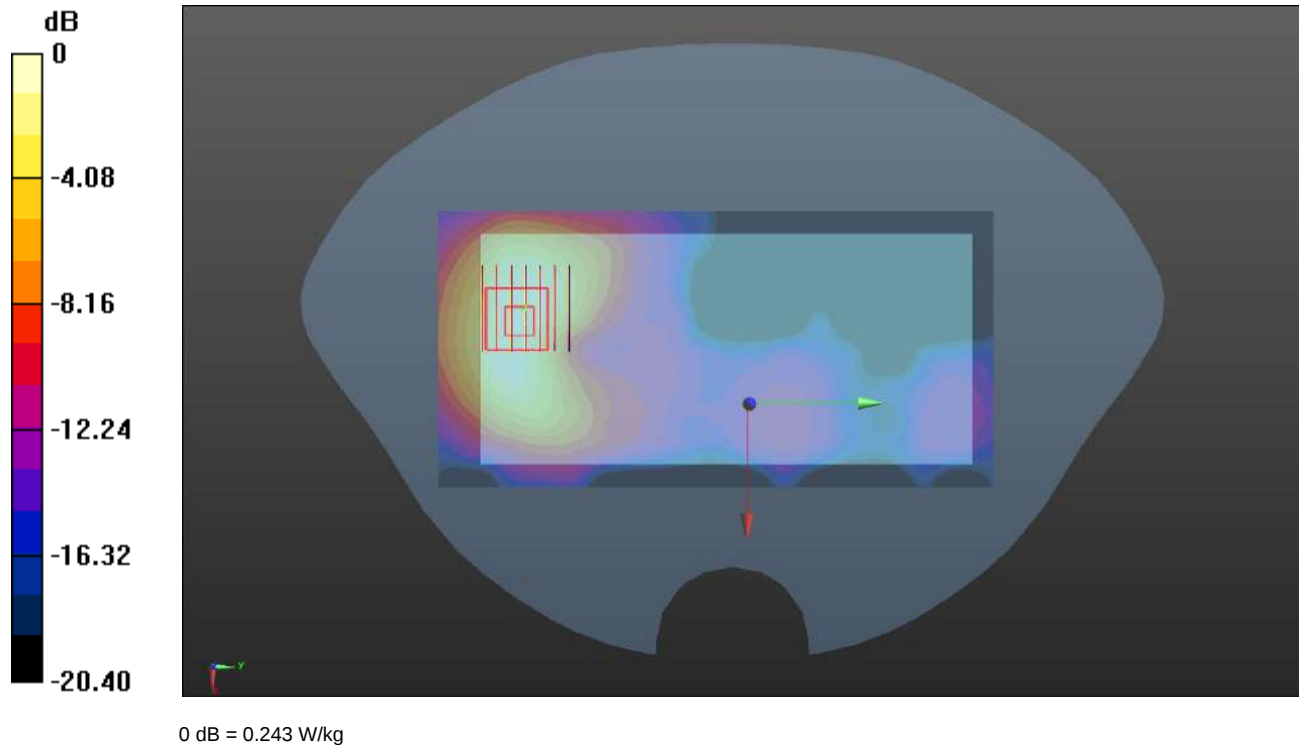
Peak SAR (extrapolated) = 0.406 W/kg

SAR(1 g) = 0.224 W/kg; SAR(10 g) = 0.122 W/kg

Smallest distance from peaks to all points 3 dB below = 12.1 mm

Ratio of SAR at M2 to SAR at M1 = 55.5%

Maximum value of SAR (measured) = 0.243 W/kg



Meas.45 Body Plane with Top Edge 10mm on High Channel in LTE Band38 mode with Antenna 13

Date: 2025.01.07

Communication System Band: Band 38, E-UTRA/TDD (2570.0 - 2620.0 MHz); Frequency: 2610 MHz; Duty Cycle: 1:1.58

Medium parameters used (interpolated): $f = 2610$ MHz; $\sigma = 2.029$ S/m; $\epsilon_r = 37.754$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.5°C Liquid Temperature: 21.7°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3748; ConvF(6.8, 6.8, 6.8); Calibrated: 2024.04.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn540; Calibrated: 2024.02.22
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch38150/Area Scan (61x101x1): Interpolated grid: $dx=1.200$ mm, $dy=1.200$ mm

Maximum value of SAR (interpolated) = 0.524 W/kg

Ch38150/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 6.699 V/m; Power Drift = 0.05 dB

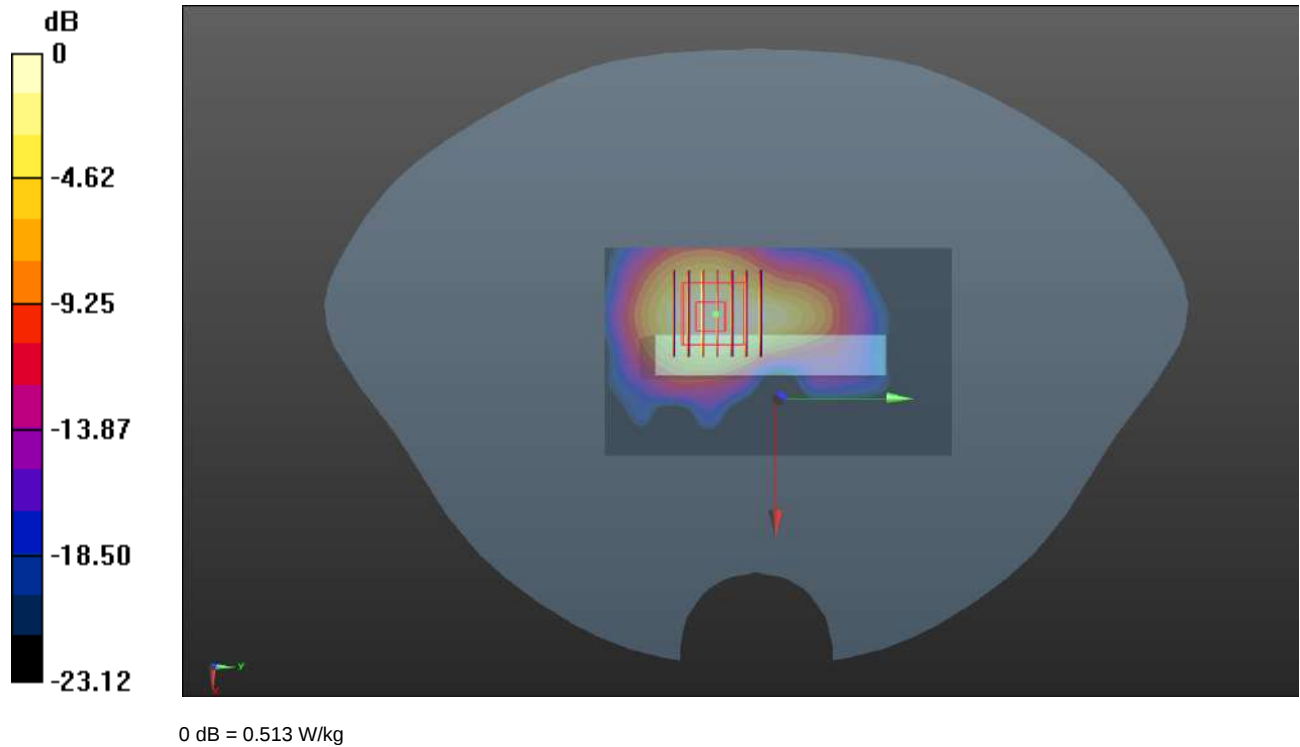
Peak SAR (extrapolated) = 0.914 W/kg

SAR(1 g) = 0.461 W/kg; SAR(10 g) = 0.226 W/kg

Smallest distance from peaks to all points 3 dB below = 11.4 mm

Ratio of SAR at M2 to SAR at M1 = 52.1%

Maximum value of SAR (measured) = 0.513 W/kg



Meas.46 Right Head with Tilt on High Channel in LTE Band41 mode with Antenna 13

Date: 2025.01.08

Communication System Band: Band 41, E-UTRA/TDD (2535.0 - 2655.0 MHz); Frequency: 2645 MHz; Duty Cycle: 1:1.58

Medium parameters used (interpolated): $f = 2645$ MHz; $\sigma = 1.958$ S/m; $\epsilon_r = 38.07$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Ambient Temperature: 22.2°C Liquid Temperature: 21.4°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3748; ConvF(6.8, 6.8, 6.8); Calibrated: 2024.04.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn540; Calibrated: 2024.02.22
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch41140/Area Scan (81x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.934 W/kg

Ch41140/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 13.35 V/m; Power Drift = 0.05 dB

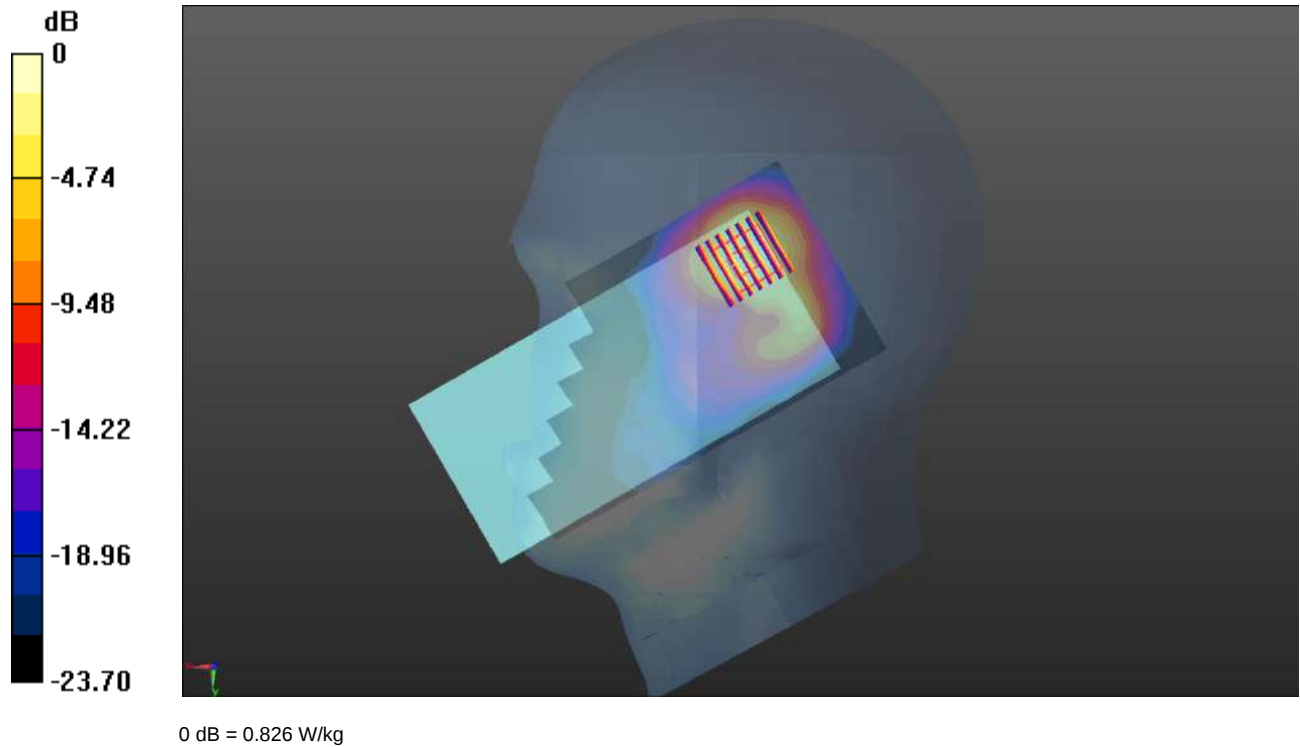
Peak SAR (extrapolated) = 1.34 W/kg

SAR(1 g) = 0.708 W/kg; SAR(10 g) = 0.346 W/kg

Smallest distance from peaks to all points 3 dB below = 8.9 mm

Ratio of SAR at M2 to SAR at M1 = 56.2%

Maximum value of SAR (measured) = 0.826 W/kg



Meas.47 Body Plane with Back Side 15mm on Middle Channel in LTE Band41 mode with Antenna 13

Date: 2025.01.08

Communication System Band: Band 41, E-UTRA/TDD (2535.0 - 2655.0 MHz); Frequency: 2595 MHz; Duty Cycle: 1:1.58

Medium parameters used (interpolated): $f = 2595$ MHz; $\sigma = 1.928$ S/m; $\epsilon_r = 39.328$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.2°C Liquid Temperature: 21.4°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3748; ConvF(6.8, 6.8, 6.8); Calibrated: 2024.04.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn540; Calibrated: 2024.02.22
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch40640/Area Scan (81x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.201 W/kg

Ch40640/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 1.730 V/m; Power Drift = 0.05 dB

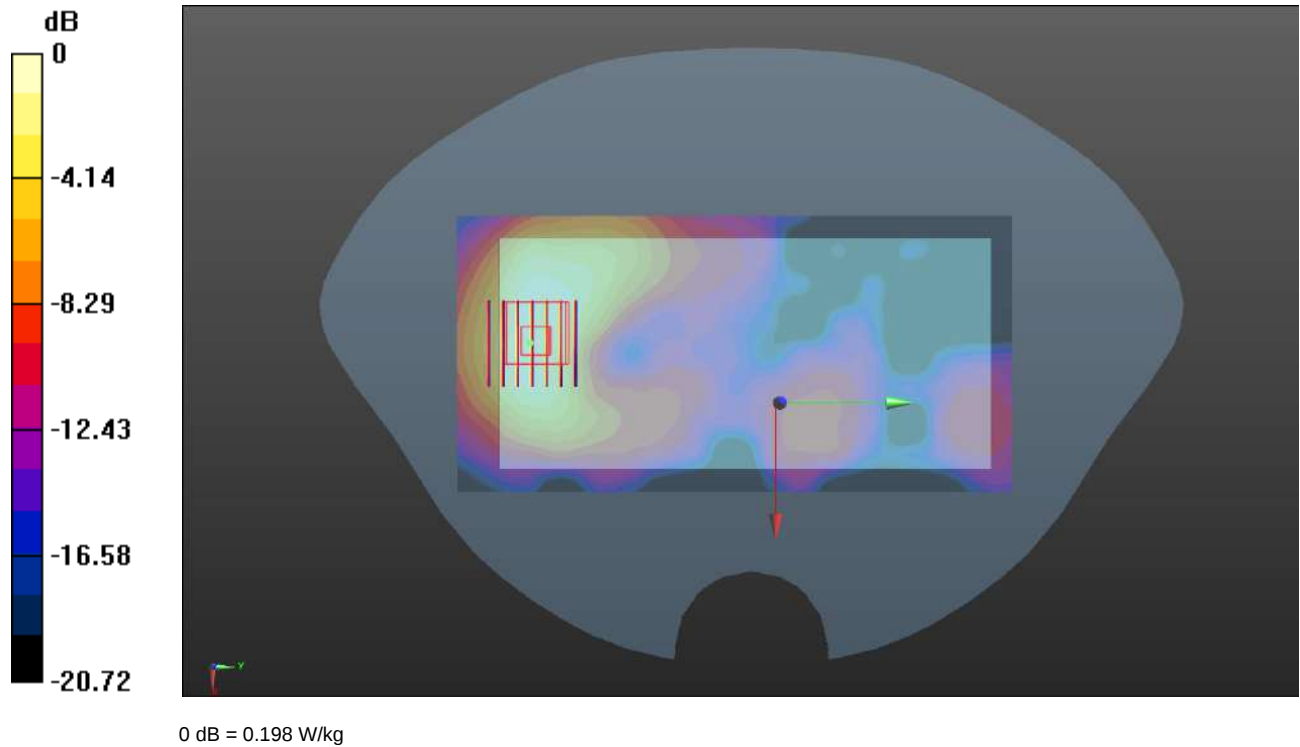
Peak SAR (extrapolated) = 0.324 W/kg

SAR(1 g) = 0.182 W/kg; SAR(10 g) = 0.099 W/kg

Smallest distance from peaks to all points 3 dB below = 11.2 mm

Ratio of SAR at M2 to SAR at M1 = 55.9%

Maximum value of SAR (measured) = 0.198 W/kg



Meas.48 Body Plane with Top Edge 10mm on High Channel in LTE Band41 mode with Antenna 13

Date: 2025.01.08

Communication System Band: Band 41, E-UTRA/TDD (2496.0 - 2690.0 MHz); Frequency: 2645 MHz; Duty Cycle: 1:1.58

Medium parameters used (interpolated): $f = 2645$ MHz; $\sigma = 1.958$ S/m; $\epsilon_r = 38.07$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.2°C Liquid Temperature: 21.4°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3748; ConvF(6.8, 6.8, 6.8); Calibrated: 2024.04.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn540; Calibrated: 2024.02.22
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch41140/Area Scan (61x101x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.462 W/kg

Ch41140/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 6.977 V/m; Power Drift = 0.06 dB

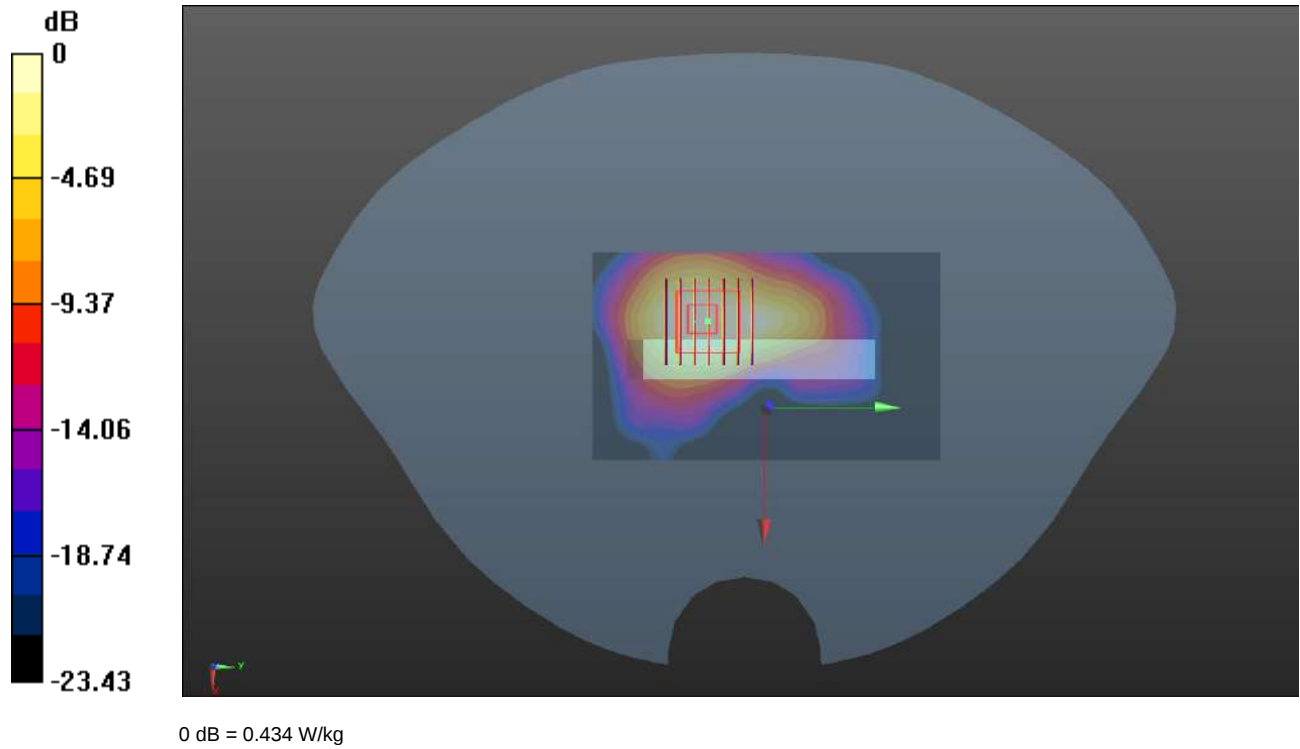
Peak SAR (extrapolated) = 0.777 W/kg

SAR(1 g) = 0.391 W/kg; SAR(10 g) = 0.195 W/kg

Smallest distance from peaks to all points 3 dB below = 11.4 mm

Ratio of SAR at M2 to SAR at M1 = 50.5%

Maximum value of SAR (measured) = 0.434 W/kg



Meas.49 Left Head with Cheek on 11 Channel in IEEE802.11b mode with Antenna 22

Date: 2025.01.07

Communication System Band: WIFI2.4; Frequency: 2462 MHz; Duty Cycle: 1:1.015

Medium parameters used (interpolated): $f = 2462 \text{ MHz}$; $\sigma = 1.817 \text{ S/m}$; $\epsilon_r = 37.988$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

Ambient Temperature: 22.3°C Liquid Temperature: 21.5°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.75, 7.75, 7.75); Calibrated: 2024.06.25;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn540; Calibrated: 2024.02.22
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch11/Area Scan (81x161x1): Interpolated grid: $dx=1.200 \text{ mm}$, $dy=1.200 \text{ mm}$

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

Ch11/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 10.17 V/m; Power Drift = -0.01 dB

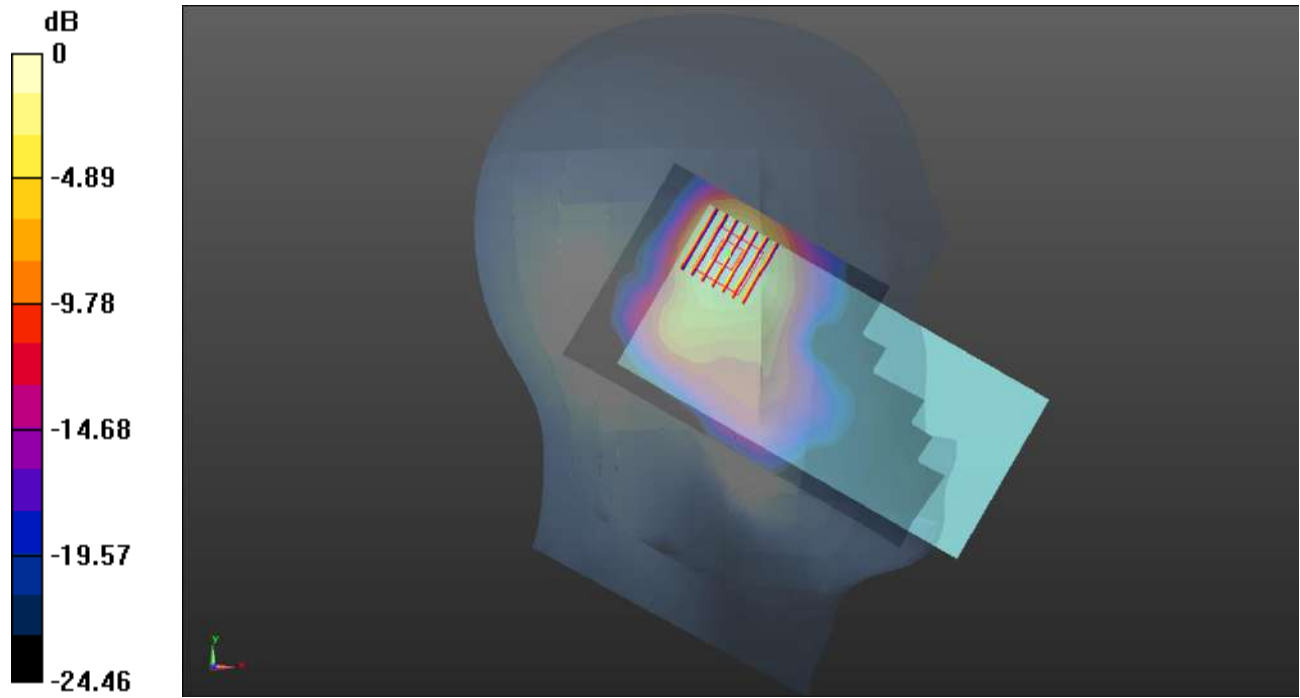
Peak SAR (extrapolated) = 1.80 W/kg

SAR(1 g) = 0.911 W/kg; SAR(10 g) = 0.456 W/kg

Smallest distance from peaks to all points 3 dB below = 12.1 mm

Ratio of SAR at M2 to SAR at M1 = 53.2%

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



0 dB = 1.03 W/kg

Meas.50 Body Plane with Back Side 15mm on 11 Channel in IEEE802.11b mode with Antenna 22

Date: 2025.01.04

Communication System Band: WIFI2.4; Frequency: 2462 MHz; Duty Cycle: 1:1.015

Medium parameters used (interpolated): $f = 2462$ MHz; $\sigma = 1.817$ S/m; $\epsilon_r = 37.988$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.3°C Liquid Temperature: 21.5°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.75, 7.75, 7.75); Calibrated: 2024.06.25;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn540; Calibrated: 2024.02.22
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch11/Area Scan (81x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.178 W/kg

Ch11/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 4.032 V/m; Power Drift = 0.08 dB

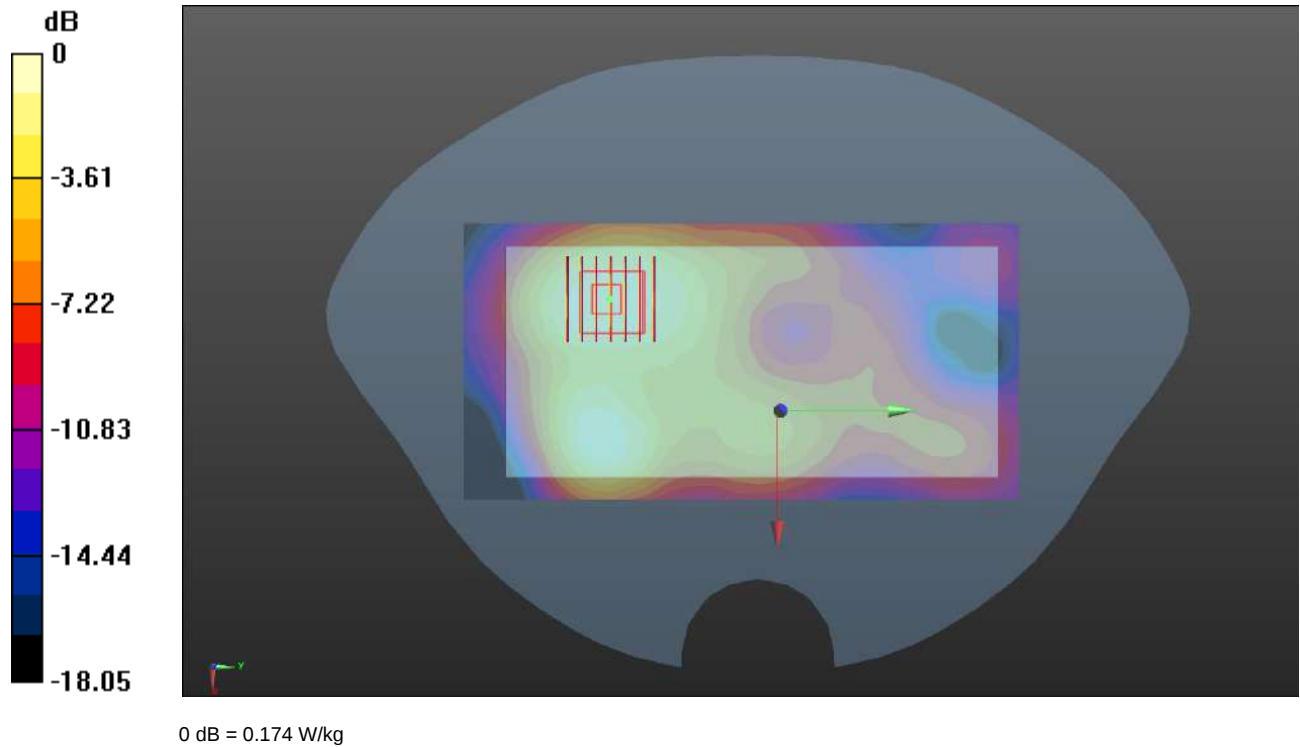
Peak SAR (extrapolated) = 0.267 W/kg

SAR(1 g) = 0.160 W/kg; SAR(10 g) = 0.093 W/kg

Smallest distance from peaks to all points 3 dB below = 17 mm

Ratio of SAR at M2 to SAR at M1 = 60.1%

Maximum value of SAR (measured) = 0.174 W/kg



Meas.51 Body Plane with Back Side 10mm on 11 Channel in IEEE802.11b mode with Antenna 22

Date: 2025.01.04

Communication System Band: WIFI2.4; Frequency: 2462 MHz; Duty Cycle: 1:1.015

Medium parameters used (interpolated): $f = 2462$ MHz; $\sigma = 1.817$ S/m; $\epsilon_r = 37.988$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.3°C Liquid Temperature: 21.5°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.75, 7.75, 7.75); Calibrated: 2024.06.25;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn540; Calibrated: 2024.02.22
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch11/Area Scan (81x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.372 W/kg

Ch11/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 4.933 V/m; Power Drift = 0.03 dB

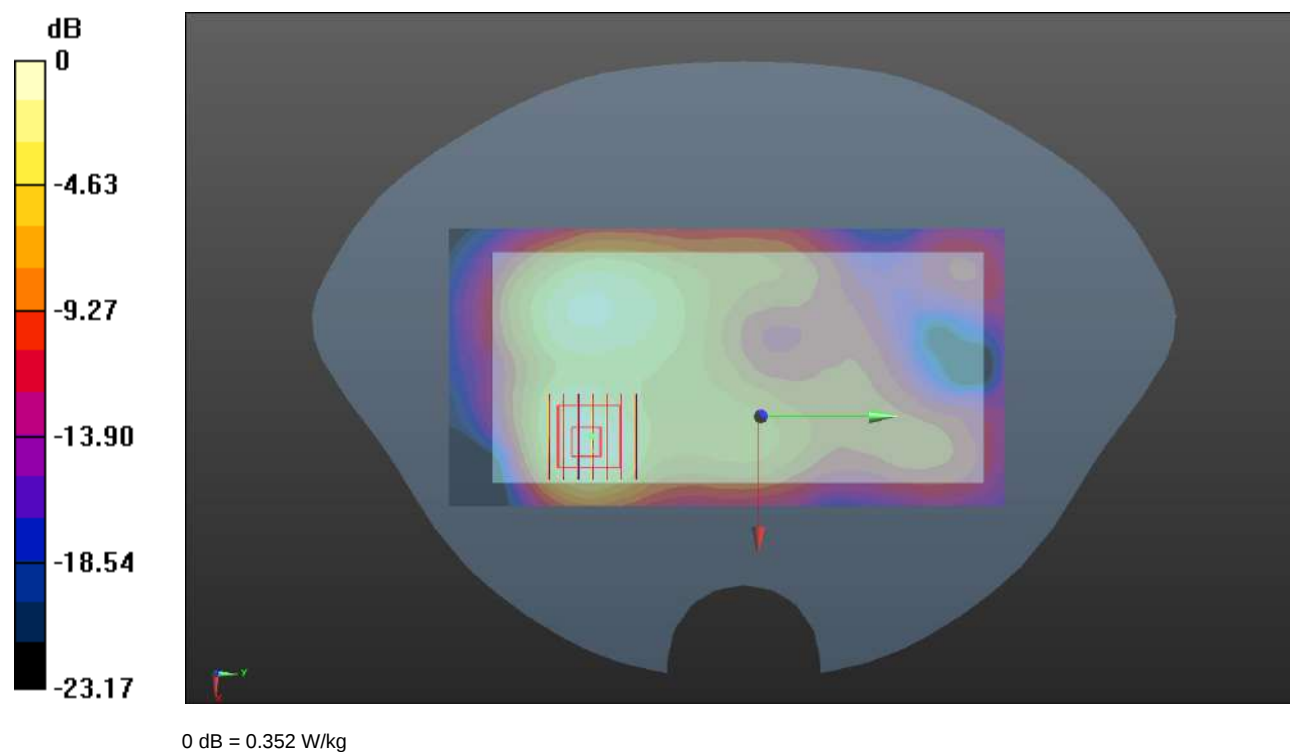
Peak SAR (extrapolated) = 0.662 W/kg

SAR(1 g) = 0.322 W/kg; SAR(10 g) = 0.159 W/kg

Smallest distance from peaks to all points 3 dB below = 11.4 mm

Ratio of SAR at M2 to SAR at M1 = 50%

Maximum value of SAR (measured) = 0.352 W/kg



Meas.52 Body Plane with Back Side 0mm on 11 Channel in IEEE802.11b mode with Antenna 22

Date: 2025.01.09

Communication System Band: WIFI2.4; Frequency: 2462 MHz; Duty Cycle: 1:1.015

Medium parameters used (interpolated): $f = 2462 \text{ MHz}$; $\sigma = 1.817 \text{ S/m}$; $\epsilon_r = 37.988$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient Temperature: 22.3°C Liquid Temperature: 21.5°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.75, 7.75, 7.75); Calibrated: 2024.06.25;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn540; Calibrated: 2024.02.22
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch11/Area Scan (81x161x1): Interpolated grid: $dx=1.200 \text{ mm}$, $dy=1.200 \text{ mm}$

Maximum value of SAR (interpolated) = 2.02 W/kg

Ch11/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 6.080 V/m; Power Drift = 0.16 dB

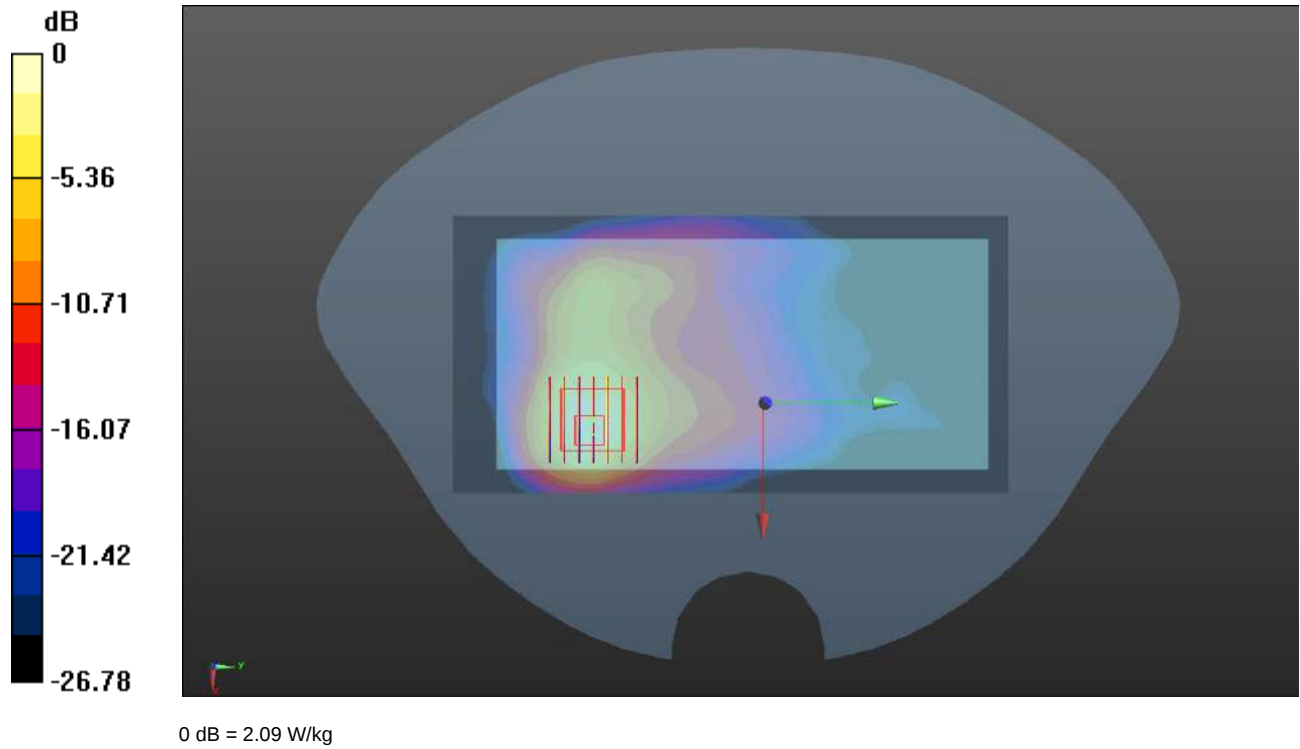
Peak SAR (extrapolated) = 4.76 W/kg

SAR(1 g) = 1.8 W/kg; SAR(10 g) = 0.790 W/kg

Smallest distance from peaks to all points 3 dB below = 8.9 mm

Ratio of SAR at M2 to SAR at M1 = 40.9%

Maximum value of SAR (measured) = 2.09 W/kg



Meas.53 Left Head with Tilt on 60 Channel in IEEE802.11a mode with Antenna 22

Date: 2025.01.10

Communication System Band: 5.3G; Frequency: 5300 MHz; Duty Cycle: 1:1.046

Medium parameters used: $f = 5300$ MHz; $\sigma = 4.829$ S/m; $\epsilon_r = 35.22$; $\rho = 1000$ kg/m³

Phantom section: Left Section

Ambient Temperature: 22.1°C Liquid Temperature: 21.2°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(5.5, 5.5, 5.5); Calibrated: 2024.06.25;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn540; Calibrated: 2024.02.22
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch60/Area Scan (101x191x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.847 W/kg

Ch60/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 3.267 V/m; Power Drift = 0.07 dB

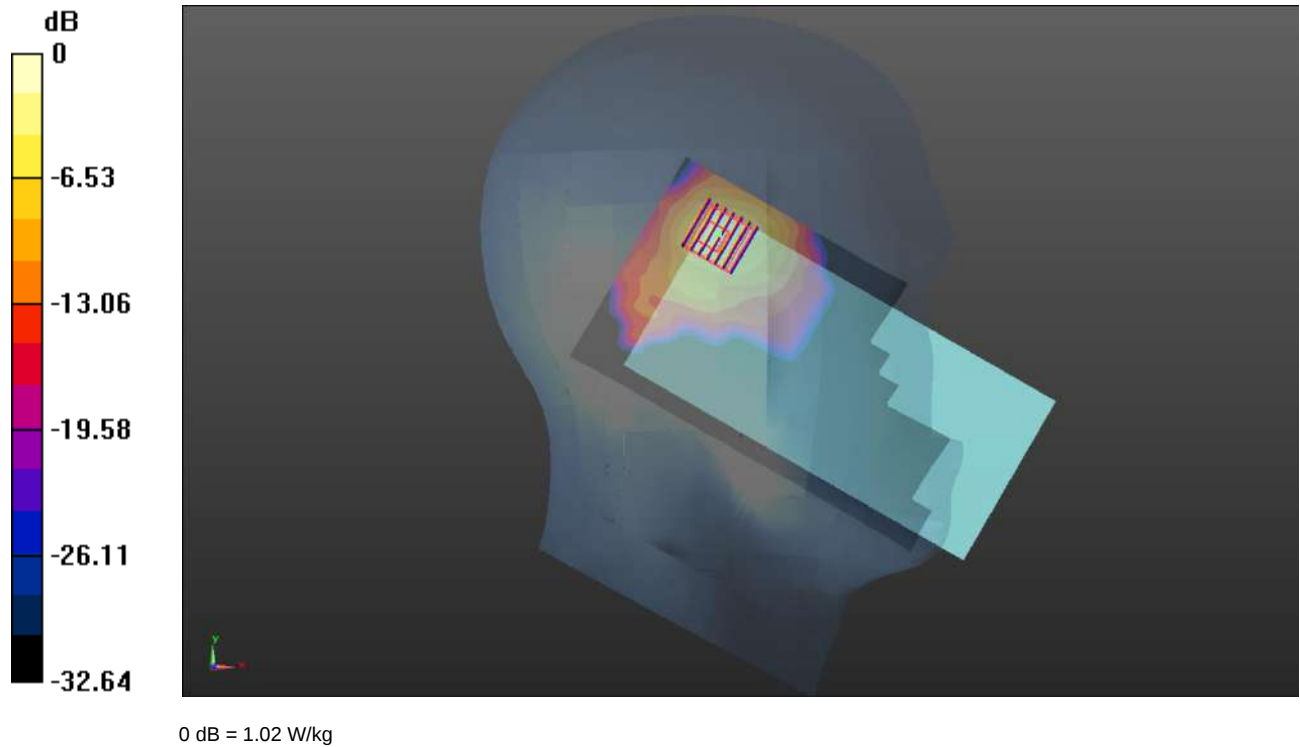
Peak SAR (extrapolated) = 2.30 W/kg

SAR(1 g) = 0.401 W/kg; SAR(10 g) = 0.112 W/kg

Smallest distance from peaks to all points 3 dB below = 5.6 mm

Ratio of SAR at M2 to SAR at M1 = 53.1%

Maximum value of SAR (measured) = 1.02 W/kg



Meas.54 Left Head with Cheek on 116 Channel in IEEE802.11a mode with Antenna 22

Date: 2025.01.11

Communication System Band: 5.6G; Frequency: 5580 MHz; Duty Cycle: 1:1.046

Medium parameters used (interpolated): $f = 5580$ MHz; $\sigma = 4.975$ S/m; $\epsilon_r = 35.86$; $\rho = 1000$ kg/m³

Phantom section: Left Section

Ambient Temperature: 22.2°C Liquid Temperature: 21.4°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(5, 5, 5); Calibrated: 2024.06.25;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn540; Calibrated: 2024.02.22
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch116/Area Scan (101x191x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 1.30 W/kg

Ch116/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 2.930 V/m; Power Drift = 0.13 dB

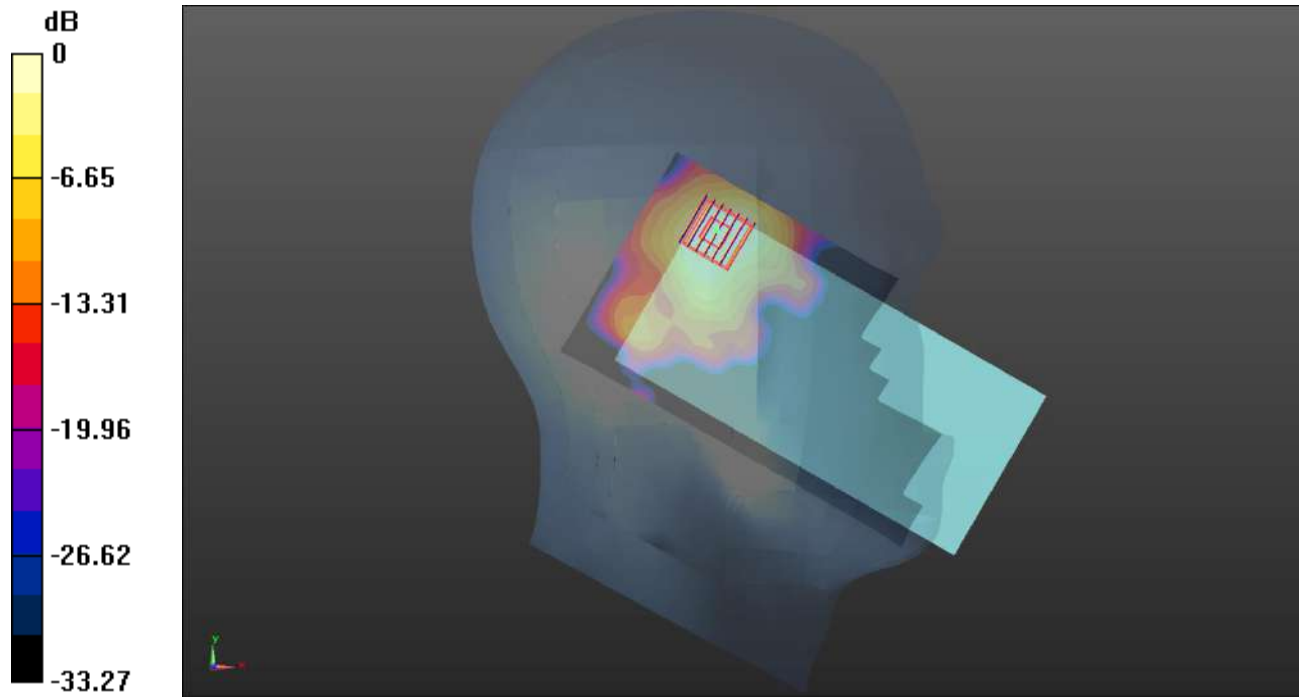
Peak SAR (extrapolated) = 2.66 W/kg

SAR(1 g) = 0.659 W/kg; SAR(10 g) = 0.230 W/kg

Smallest distance from peaks to all points 3 dB below = 7.4 mm

Ratio of SAR at M2 to SAR at M1 = 54.5%

Maximum value of SAR (measured) = 1.31 W/kg



0 dB = 1.31 W/kg

Meas.55 Left Head with Cheek on 149 Channel in IEEE802.11a mode with Antenna 22

Date: 2025.01.12

Communication System Band: 5.8G; Frequency: 5745 MHz; Duty Cycle: 1:1.046

Medium parameters used (interpolated): $f = 5745$ MHz; $\sigma = 5.092$ S/m; $\epsilon_r = 36.141$; $\rho = 1000$ kg/m³

Phantom section: Left Section

Ambient Temperature: 22.4°C Liquid Temperature: 21.7°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(5.04, 5.04, 5.04); Calibrated: 2024.06.25;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn540; Calibrated: 2024.02.22
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch149/Area Scan (101x191x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 1.75 W/kg

Ch149/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 1.905 V/m; Power Drift = -0.08 dB

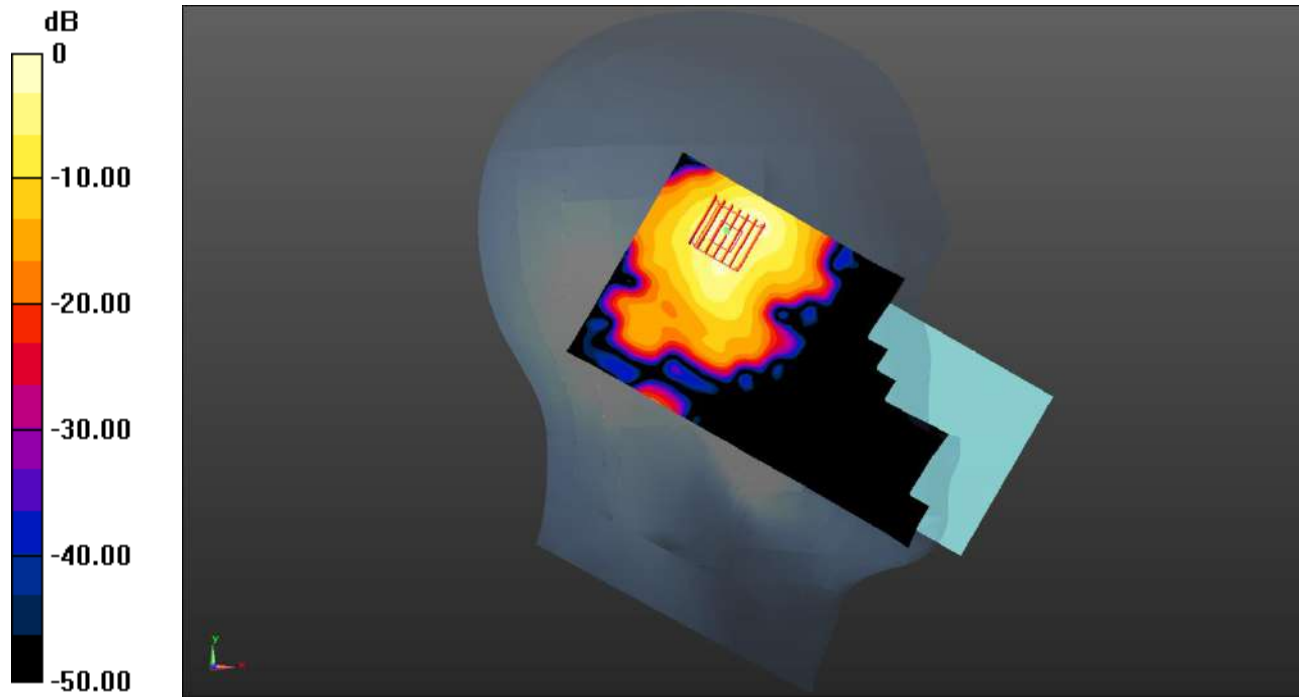
Peak SAR (extrapolated) = 3.67 W/kg

SAR(1 g) = 0.880 W/kg; SAR(10 g) = 0.296 W/kg

Smallest distance from peaks to all points 3 dB below = 7.4 mm

Ratio of SAR at M2 to SAR at M1 = 52%

Maximum value of SAR (measured) = 1.77 W/kg



0 dB = 1.77 W/kg

Meas.56 Body Plane with Back Side 15mm on 60 Channel in IEEE802.11a mode with Antenna 22

Date: 2025.01.10

Communication System Band: 5.3G; Frequency: 5300 MHz; Duty Cycle: 1:1.046

Medium parameters used: $f = 5300$ MHz; $\sigma = 4.829$ S/m; $\epsilon_r = 35.22$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.1°C Liquid Temperature: 21.2°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(5.5, 5.5, 5.5); Calibrated: 2024.06.25;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn540; Calibrated: 2024.02.22
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch60/Area Scan (101x191x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.200 W/kg

Ch60/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 0.3990 V/m; Power Drift = 0.02 dB

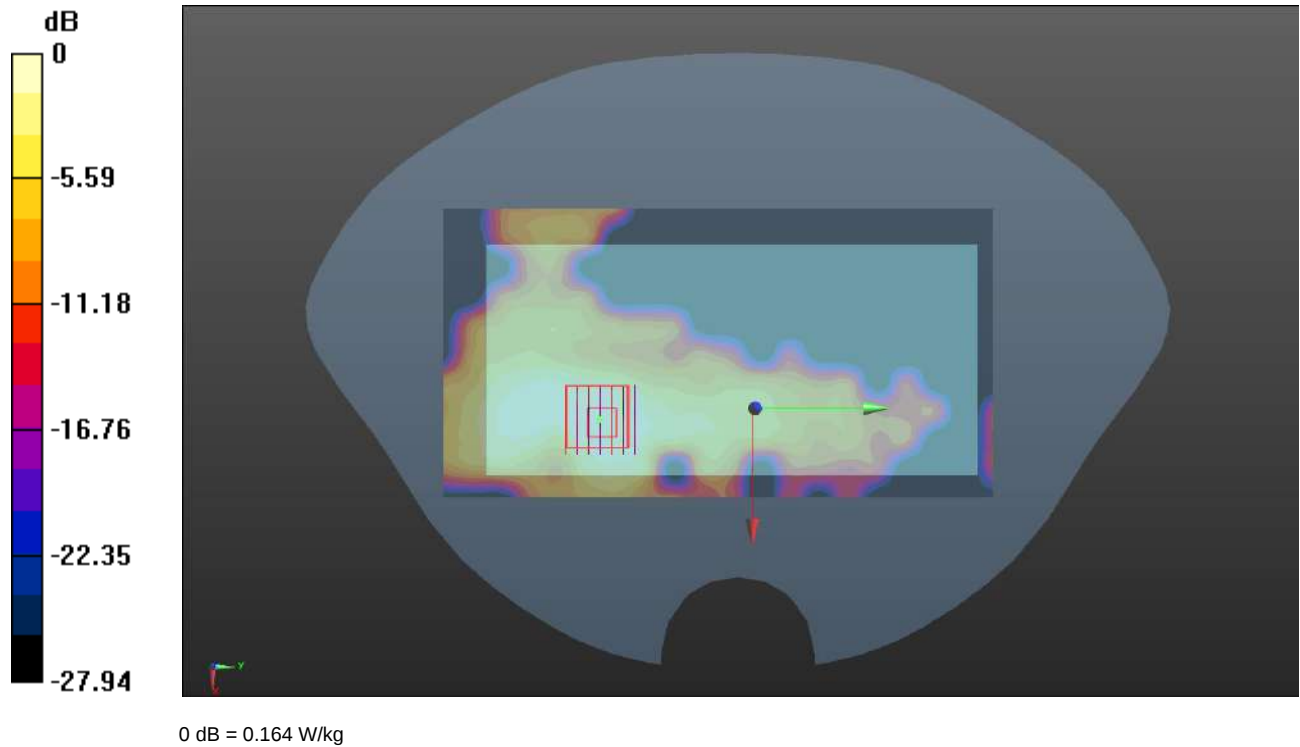
Peak SAR (extrapolated) = 0.313 W/kg

SAR(1 g) = 0.088 W/kg; SAR(10 g) = 0.035 W/kg

Smallest distance from peaks to all points 3 dB below = 10.9 mm

Ratio of SAR at M2 to SAR at M1 = 53.5%

Maximum value of SAR (measured) = 0.164 W/kg



Meas.57 Body Plane with Back Side 15mm on 116 Channel in IEEE802.11a mode with Antenna 22

Date: 2025.01.11

Communication System Band: 5.6G; Frequency: 5580 MHz; Duty Cycle: 1:1.046

Medium parameters used (interpolated): $f = 5580$ MHz; $\sigma = 4.975$ S/m; $\epsilon_r = 35.86$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.2°C Liquid Temperature: 21.4°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(5, 5, 5); Calibrated: 2024.06.25;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn540; Calibrated: 2024.02.22
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch116/Area Scan (101x191x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.494 W/kg

Ch116/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 1.342 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.930 W/kg

SAR(1 g) = 0.260 W/kg; SAR(10 g) = 0.101 W/kg

Smallest distance from peaks to all points 3 dB below = 11.1 mm

Ratio of SAR at M2 to SAR at M1 = 54.3%

Maximum value of SAR (measured) = 0.489 W/kg



Meas.58 Body Plane with Back Side 15mm on 155 Channel in IEEE802.11ac80 mode with Antenna 22

Date: 2025.01.12

Communication System Band: 5.8G; Frequency: 5775 MHz; Duty Cycle: 1:1.151

Medium parameters used (interpolated): $f = 5775$ MHz; $\sigma = 5.34$ S/m; $\epsilon_r = 34.818$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.4°C Liquid Temperature: 21.7°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(5.04, 5.04, 5.04); Calibrated: 2024.06.25;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn540; Calibrated: 2024.02.22
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch155/Area Scan (101x191x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 1.05 W/kg

Ch155/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 1.894 V/m; Power Drift = 0.03 dB

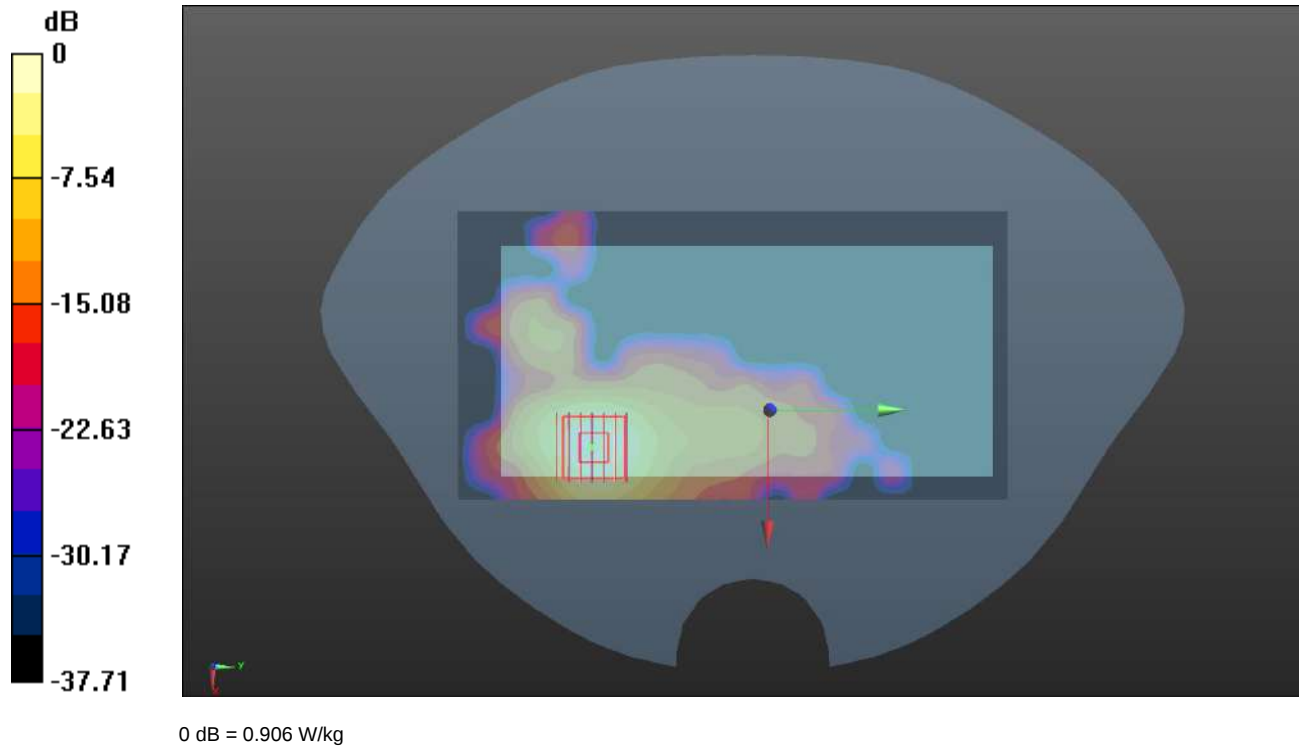
Peak SAR (extrapolated) = 1.82 W/kg

SAR(1 g) = 0.455 W/kg; SAR(10 g) = 0.151 W/kg

Smallest distance from peaks to all points 3 dB below = 9.1 mm

Ratio of SAR at M2 to SAR at M1 = 52.9%

Maximum value of SAR (measured) = 0.906 W/kg



Meas.59 Body Plane with Top Edge 10mm on 48 Channel in IEEE802.11a mode with Antenna 22

Date: 2025.01.10

Communication System Band: 5.2G; Frequency: 5240 MHz; Duty Cycle: 1:1.046

Medium parameters used (interpolated): $f = 5240$ MHz; $\sigma = 4.582$ S/m; $\epsilon_r = 36.083$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.1°C Liquid Temperature: 21.2°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(5.74, 5.74, 5.74); Calibrated: 2024.06.25;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn540; Calibrated: 2024.02.22
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch48/Area Scan (81x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of Total (interpolated) = 9.565 V/m

Ch48/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 2.326 V/m; Power Drift = 0.01 dB

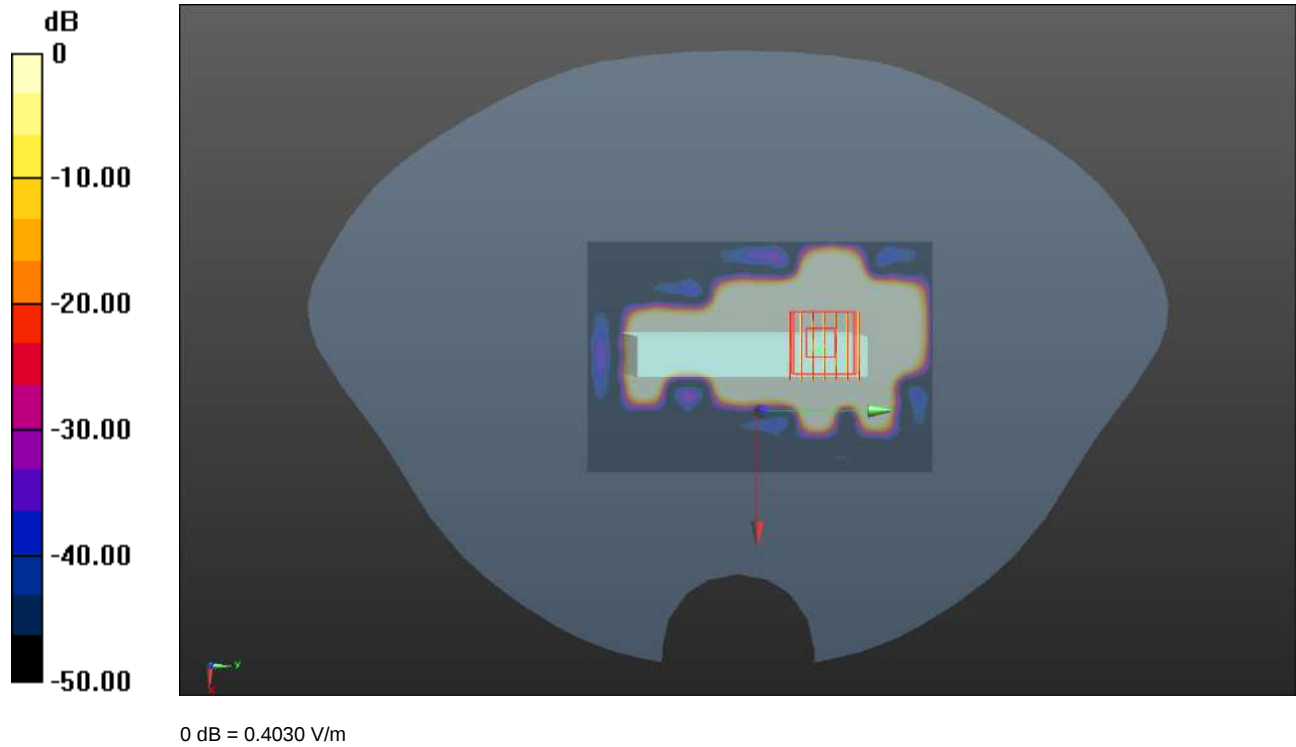
Peak SAR (extrapolated) = 0.773 W/kg

SAR(1 g) = 0.214 W/kg; SAR(10 g) = 0.071 W/kg

Smallest distance from peaks to all points 3 dB below = 8.6 mm

Ratio of SAR at M2 to SAR at M1 = 57.1%

Maximum value of SAR (measured) = 0.403 W/kg



Meas.60 Body Plane with Back Side 10mm on 155 Channel in IEEE802.11ac80 mode with Antenna 22

Date: 2025.01.12

Communication System Band: 5.8G; Frequency: 5775 MHz; Duty Cycle: 1:1.151

Medium parameters used (interpolated): $f = 5775$ MHz; $\sigma = 5.34$ S/m; $\epsilon_r = 34.818$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.4°C Liquid Temperature: 21.7°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(5.04, 5.04, 5.04); Calibrated: 2024.06.25;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn540; Calibrated: 2024.02.22
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch155/Area Scan (101x191x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 1.10 W/kg

Ch155/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 2.138 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 2.03 W/kg

SAR(1 g) = 0.541 W/kg; SAR(10 g) = 0.199 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 53.2%

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



Meas.61 Body Plane with Top Edge 0mm on 60 Channel in IEEE802.11a mode with Antenna 22

Date: 2025.01.10

Communication System Band: 5.3G; Frequency: 5300 MHz; Duty Cycle: 1:1.046

Medium parameters used: $f = 5300$ MHz; $\sigma = 4.829$ S/m; $\epsilon_r = 35.22$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.1°C Liquid Temperature: 21.2°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(5.5, 5.5, 5.5); Calibrated: 2024.06.25;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn540; Calibrated: 2024.02.22
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch60/Area Scan (81x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 3.96 W/kg

Ch60/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 3.922 V/m; Power Drift = 0.05 dB

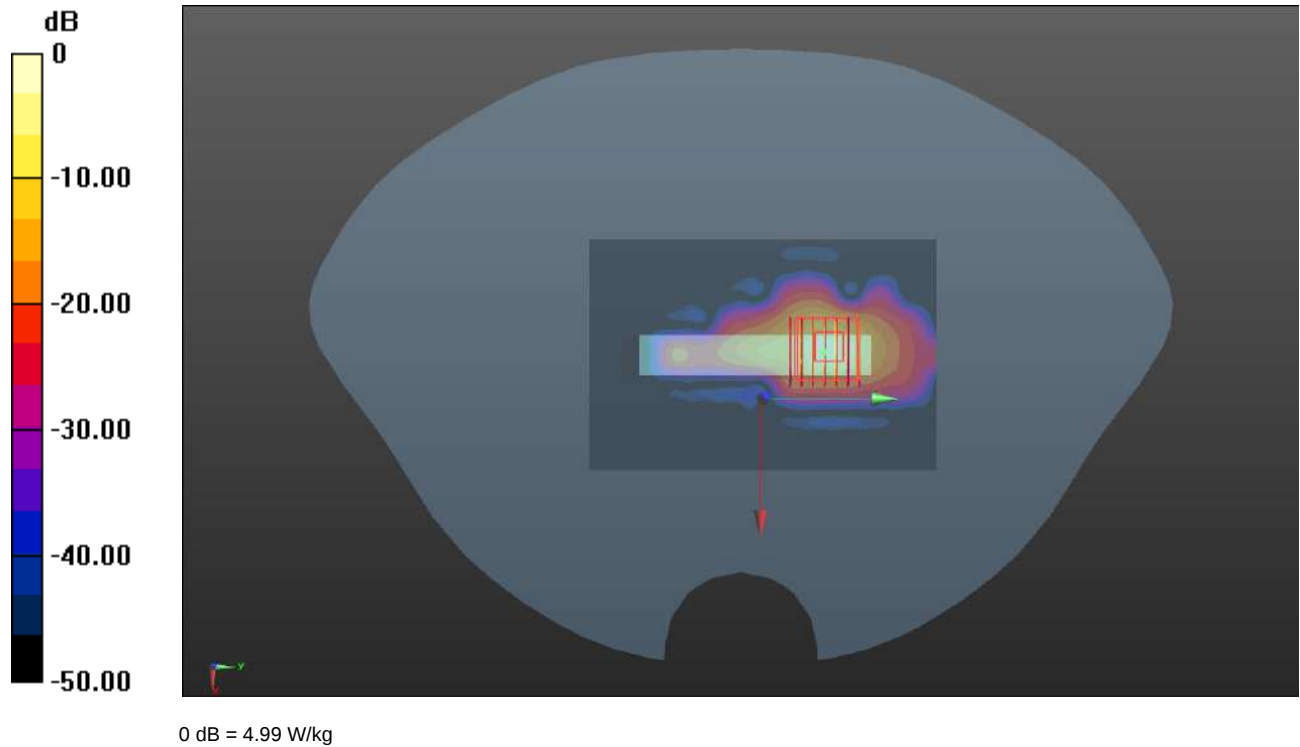
Peak SAR (extrapolated) = 14.6 W/kg

SAR(1 g) = 1.97 W/kg; SAR(10 g) = 0.361 W/kg

Smallest distance from peaks to all points 3 dB below = 4.5 mm

Ratio of SAR at M2 to SAR at M1 = 48.2%

Maximum value of SAR (measured) = 4.99 W/kg



Meas.62 Body Plane with Back Side 0mm on 116 Channel in IEEE802.11a mode with Antenna 22

Date: 2025.01.11

Communication System Band: 5.6G; Frequency: 5580 MHz; Duty Cycle: 1:1.046

Medium parameters used: $f = 5580$ MHz; $\sigma = 4.975$ S/m; $\epsilon_r = 35.86$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.2°C Liquid Temperature: 21.4°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(5, 5, 5); Calibrated: 2024.06.25;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn540; Calibrated: 2024.02.22
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch116/Area Scan (101x191x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 9.36 W/kg

Ch116/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 2.213 V/m; Power Drift = 0.09 dB

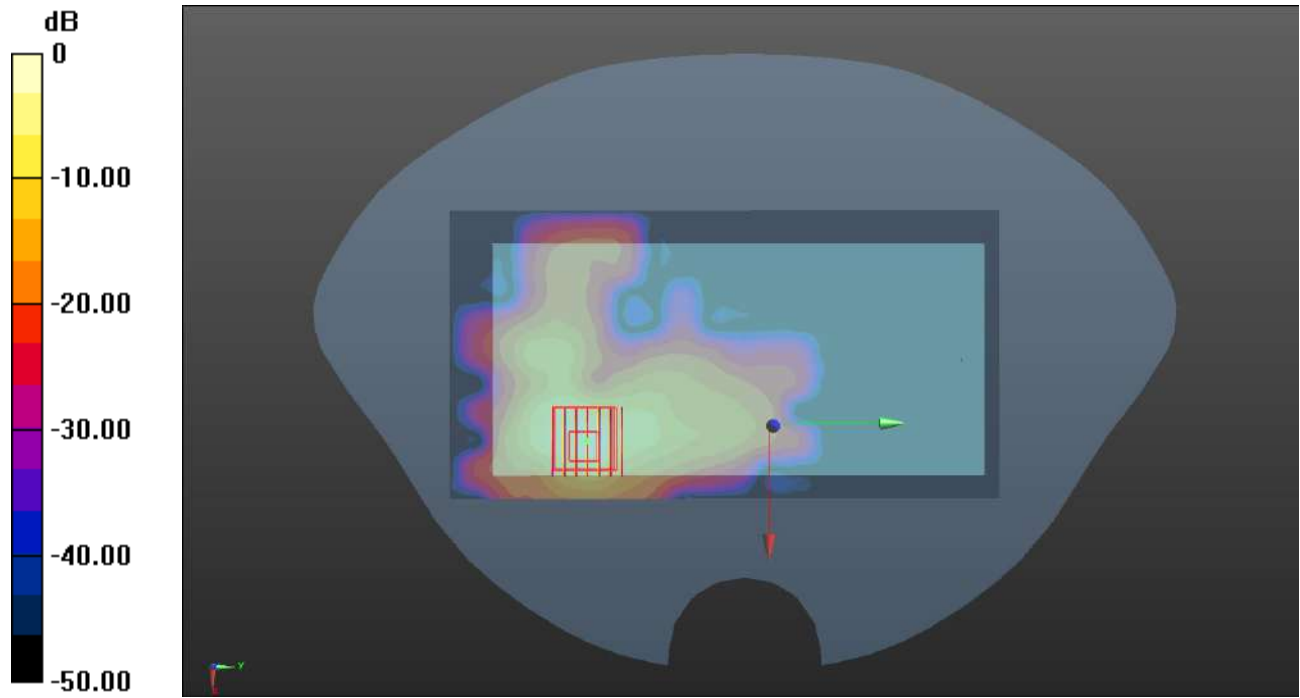
Peak SAR (extrapolated) = 27.1 W/kg

SAR(1 g) = 4.74 W/kg; SAR(10 g) = 1.18 W/kg

Smallest distance from peaks to all points 3 dB below = 4.3 mm

Ratio of SAR at M2 to SAR at M1 = 50.1%

Maximum value of SAR (measured) = 10.8 W/kg



0 dB = 10.8 W/kg

Meas.63 Left Head with Cheek on 39 Channel in Bluetooth mode with Antenna 22

Date: 2025.01.09

Communication System Band: 39; Frequency: 2441 MHz; Duty Cycle: 1:1.291

Medium parameters used (interpolated): $f = 2441$ MHz; $\sigma = 1.81$ S/m; $\epsilon_r = 38.561$; $\rho = 1000$ kg/m³

Phantom section: Left Section

Ambient Temperature: 22.3 Liquid Temperature: 21.4

DASY5 Configuration:

- Probe: EX3DV4 - SN7664; ConvF(7.85, 7.85, 7.85) @ 2441 MHz; Calibrated: 2022-09-23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021-05-17
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Ch39/Area Scan (81x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.190 W/kg

Ch39/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 1.142 V/m; Power Drift = 0.04 dB

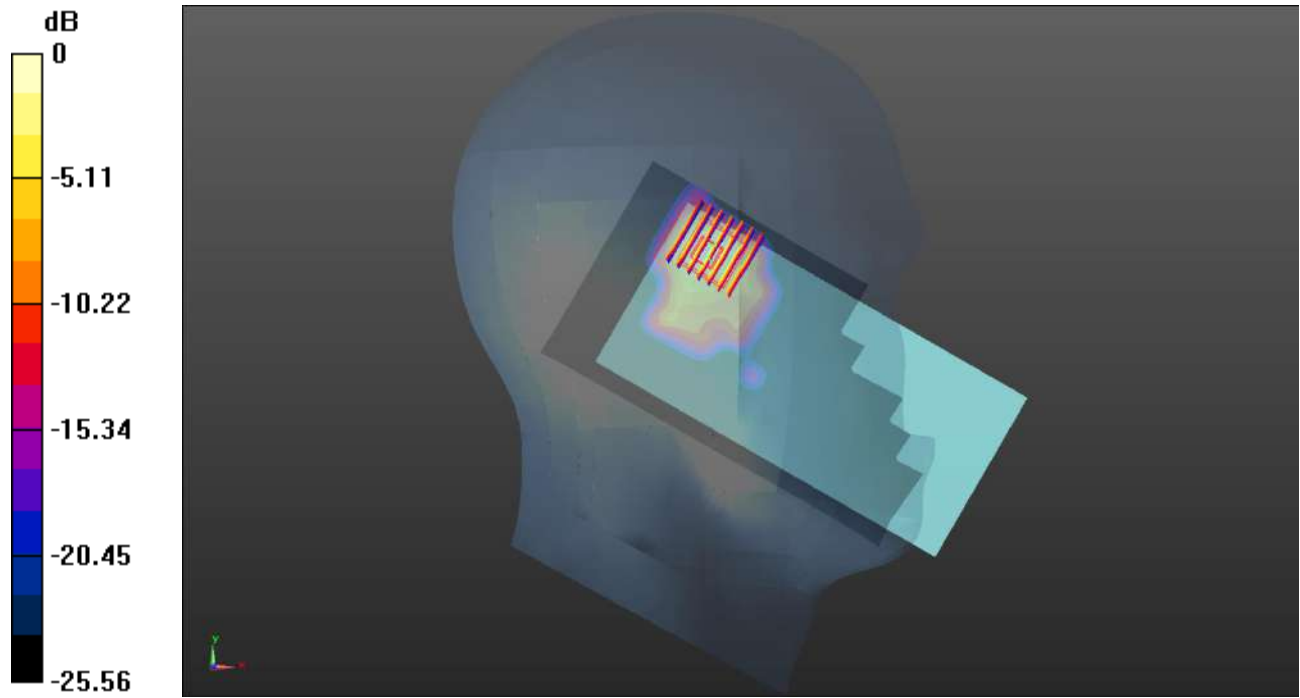
Peak SAR (extrapolated) = 0.469 W/kg

SAR(1 g) = 0.246 W/kg; SAR(10 g) = 0.116 W/kg

Smallest distance from peaks to all points 3 dB below = 5.9 mm

Ratio of SAR at M2 to SAR at M1 = 54.6%

Maximum value of SAR (measured) = 0.270 W/kg



0 dB = 0.270 W/kg

Meas.64 Body Plane with Back Side 15mm on 39 Channel in Bluetooth mode with Antenna 22

Date: 2025.01.09

Communication System Band: 39; Frequency: 2441 MHz; Duty Cycle: 1:1.291

Medium parameters used (interpolated): $f = 2441$ MHz; $\sigma = 1.81$ S/m; $\epsilon_r = 38.561$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.3°C Liquid Temperature: 21.5°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.75, 7.75, 7.75); Calibrated: 2024.06.25;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn540; Calibrated: 2024.02.22
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch39/Area Scan (81x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.0592 W/kg

Ch39/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 0.452 V/m; Power Drift = 0.00 dB

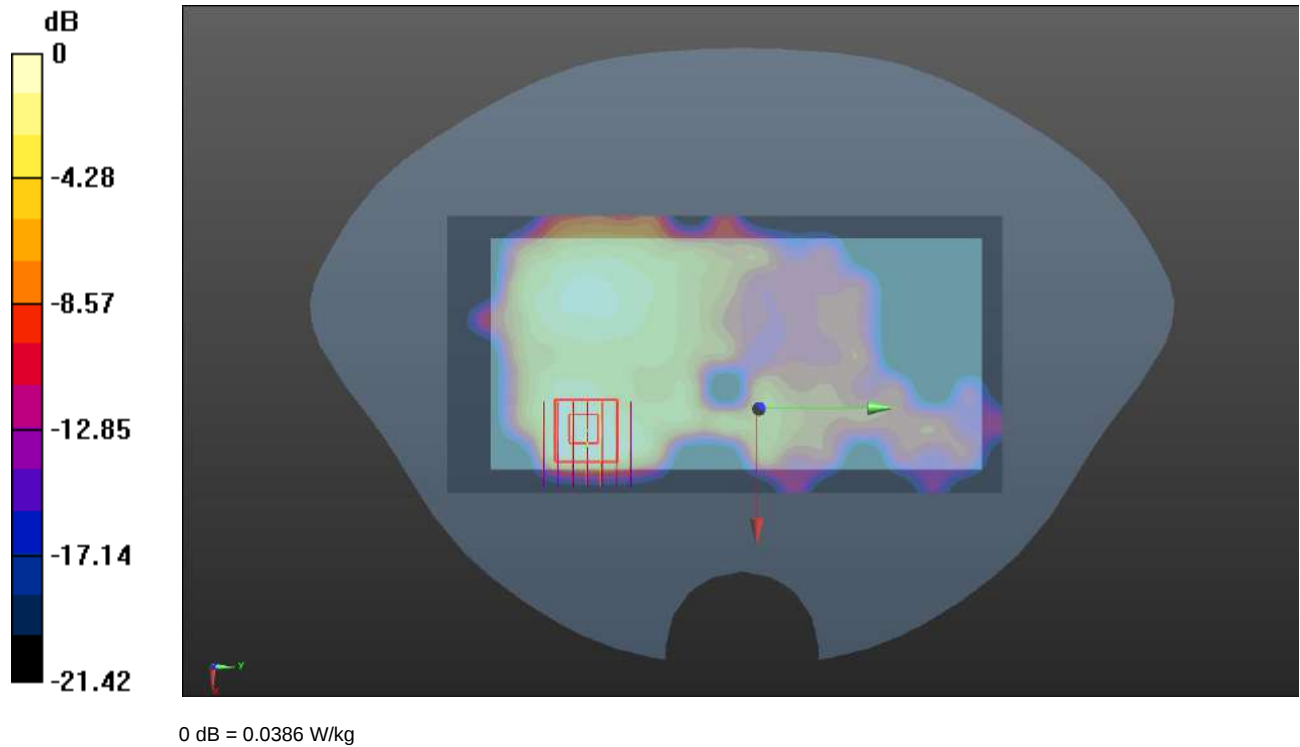
Peak SAR (extrapolated) = 0.0720 W/kg

SAR(1 g) = 0.035 W/kg; SAR(10 g) = 0.017 W/kg

Smallest distance from peaks to all points 3 dB below = 6.3 mm

Ratio of SAR at M2 to SAR at M1 = 48.7%

Maximum value of SAR (measured) = 0.0386 W/kg



Meas.65 Body Plane with Back Side 10mm on 39 Channel in Bluetooth mode with Antenna 22

Date: 2025.01.09

Communication System Band: 39; Frequency: 2441 MHz; Duty Cycle: 1:1.291

Medium parameters used (interpolated): $f = 2441$ MHz; $\sigma = 1.81$ S/m; $\epsilon_r = 38.561$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.3°C Liquid Temperature: 21.5°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.75, 7.75, 7.75); Calibrated: 2024.06.25;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn540; Calibrated: 2024.02.22
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch39/Area Scan (81x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.0711 W/kg

Ch39/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 0.9830 V/m; Power Drift = 0.05 dB

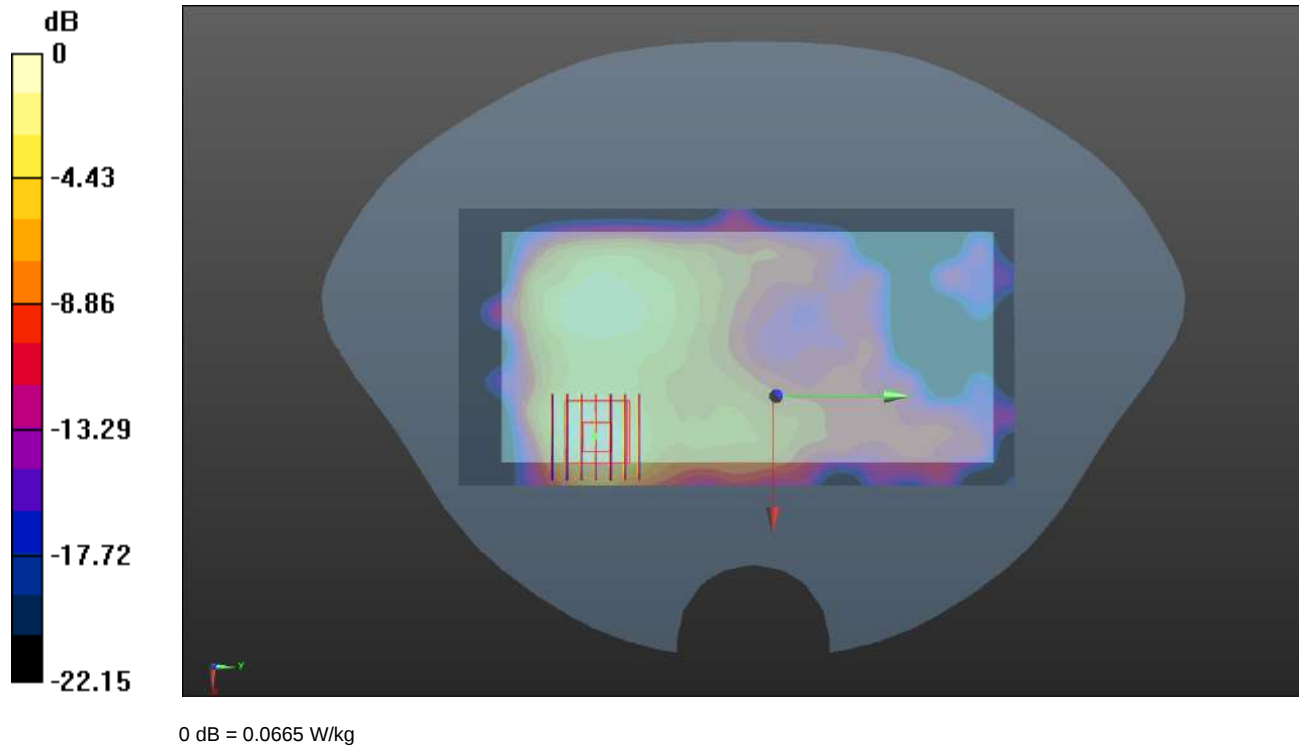
Peak SAR (extrapolated) = 0.125 W/kg

SAR(1 g) = 0.059 W/kg; SAR(10 g) = 0.029 W/kg

Smallest distance from peaks to all points 3 dB below = 7.8 mm

Ratio of SAR at M2 to SAR at M1 = 49.5%

Maximum value of SAR (measured) = 0.0665 W/kg



Meas.66 Body Plane with Back Side 0mm on 39 Channel in Bluetooth mode with Antenna 22

Date: 2025.01.09

Communication System Band: 39; Frequency: 2441 MHz; Duty Cycle: 1:1.291

Medium parameters used (interpolated): $f = 2441$ MHz; $\sigma = 1.81$ S/m; $\epsilon_r = 38.561$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.3°C Liquid Temperature: 21.5°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.75, 7.75, 7.75); Calibrated: 2024.06.25;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn540; Calibrated: 2024.02.22
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch39/Area Scan (81x161x1): Interpolated grid: $dx=1.200$ mm, $dy=1.200$ mm

Maximum value of SAR (interpolated) = 0.479 W/kg

Ch39/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 2.119 V/m; Power Drift = 0.04 dB

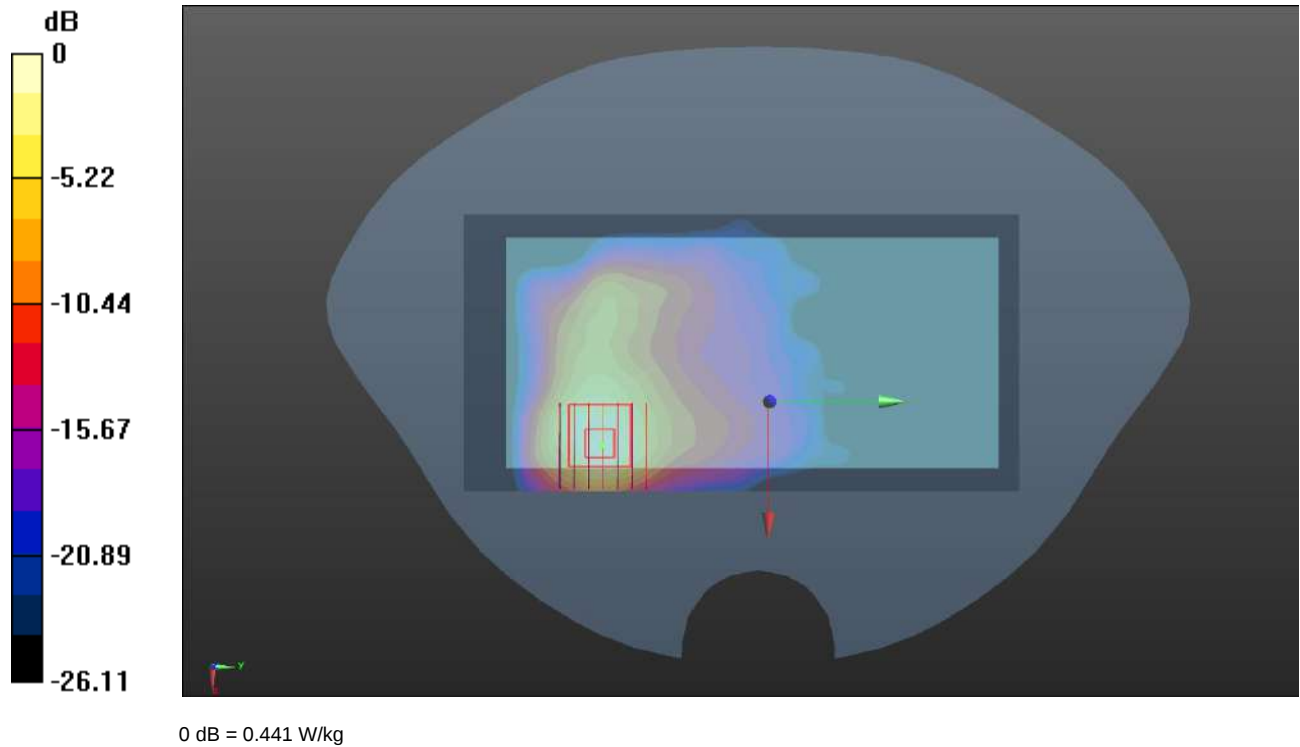
Peak SAR (extrapolated) = 1.01 W/kg

SAR(1 g) = 0.382 W/kg; SAR(10 g) = 0.167 W/kg

Smallest distance from peaks to all points 3 dB below = 8.9 mm

Ratio of SAR at M2 to SAR at M1 = 41.8%

Maximum value of SAR (measured) = 0.441 W/kg



ANNEX D EUT EXTERNAL PHOTOS

Please refer the document “BL-SZ24C1274-AW.pdf”.

ANNEX E SAR TEST SETUP PHOTOS

Please refer the document “BL-SZ24C1274-AS.pdf”.

ANNEX F CALIBRATION REPORT

Please refer the document “BL-SZ24C1274-AC.pdf”.

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--END OF REPORT--