

TEST REPORT

Applicant: Realme Chongqing Mobile Telecommunications Corp., Ltd.
Address: No.178 Yulong Avenue, Yufengshan, Yubei District, Chongqing, China
Equipment Type: Mobile Phone
Model Name: RMX3780
Brand Name: realme
FCC ID: 2AUYFRMX3780
Test Standard: FCC 47 CFR Part 2.1093 (refer section 3.1)
Maximum SAR: Head (1 g@0mm): 1.16 W/kg
Body-worn (1 g@15mm): 0.64 W/kg
Hotspot (1 g@10mm): 1.03 W/kg
Specific (10 g@0mm): 2.13 W/kg
Sample Arrival Date: May 23, 2023
Test Date: May 24, 2023 - Jun. 20, 2023
Date of Issue: Jul. 13, 2023

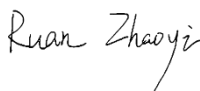
ISSUED BY:

Shenzhen BALUN Technology Co., Ltd.

Tested by: Ruan Zhaoyi

Checked by: Xu Rui

Approved by: Tolan Tu
(Testing Director)



Revision History		
Version	Issue Date	Revisions Content
<u>Rev. 01</u>	<u>Jul. 04, 2023</u>	<u>Initial Issue</u>
<u>Rev. 02</u>	<u>Jul. 12, 2023</u>	<u>Added NFC SAR in section 11.28</u> <u>P181 permittivity changed</u> <u>P210, P211 replaced with right data</u>
<u>Rev. 03</u>	<u>Jul. 13, 2023</u>	<u>P62 Reduced power level table delete</u> <u>“State6” and “State5”</u>

TABLE OF CONTENTS

1 GENERAL INFORMATION	6
1.1 Test Laboratory	6
1.2 Test Location	6
1.3 Test Environment Condition	6
2 PRODUCT INFORMATION	7
2.1 Applicant Information	7
2.2 Manufacturer Information	7
2.3 Factory Information	7
2.4 General Description for Equipment under Test (EUT)	7
2.5 Ancillary Equipment	8
2.6 Technical Information	9
3 SUMMARY OF TEST RESULT	11
3.1 Test Standards	11
3.2 Device Category and SAR Limit	12
3.3 Test Result Summary	13
3.4 Test Uncertainty	15
4 MEASUREMENT SYSTEM	16
4.1 Specific Absorption Rate (SAR) Definition	16
4.2 DASy SAR System	17
5 SYSTEM VERIFICATION	24
5.1 Purpose of System Check	24
5.2 System Check Setup	24

6 TEST POSITION CONFIGURATIONS	25
6.1 Head Exposure Conditions	25
6.2 Body-worn Position Conditions	27
6.3 Hotspot Mode Exposure Position Conditions	28
6.4 Product Specific 10g Exposure Consideration	28
7 MEASUREMENT PROCEDURE	29
7.1 Measurement Process Diagram	29
7.2 SAR Scan General Requirement	30
7.3 Measurement Procedure	31
7.4 Area & Zoom Scan Procedure	31
8 UL duty cycle detection mechanism specification	32
8.1 Description	32
8.2 SAR test Plan	32
8.3 Conducted Power	32
9 CONDUCTED RF OUPUT POWER	33
9.1 GSM	33
9.2 WCDMA	33
9.3 LTE	33
9.4 Intra-Band Uplink CA Normal Power	33
9.5 LTE-ENDC Power	33
9.6 NR-SA Power	33
9.7 NR-NSA Power	33
9.8 WIFI	34
9.9 Bluetooth	54
9.10 Power Reduction List	56
10 TEST EXCLUSION CONSIDERATION	67
11 TEST RESULT	68
11.1 GSM 850	68
11.2 GSM 1900	69
11.3 WCDMA Band 2	70

11.4 WCDMA Band 4	71
11.5 WCDMA Band 5	72
11.6 LTE Band 2 (20MHz Bandwidth)	73
11.7 LTE Band 4 (20MHz Bandwidth)	76
11.8 LTE Band 5 (10MHz Bandwidth)	79
11.9 LTE Band 7 (20MHz Bandwidth)	81
11.10 LTE Band 7 Worse case for CA Test	84
11.11 LTE Band 12 (10MHz Bandwidth)	85
11.12 LTE Band 13 (10MHz Bandwidth)	87
11.13 LTE Band 17 (10MHz Bandwidth)	89
11.14 LTE Band 26 (15MHz Bandwidth)	91
11.15 LTE Band 66 (20MHz Bandwidth)	93
11.16 LTE Band 38 (20MHz Bandwidth)	97
11.17 LTE Band 38 Worse case for CA Test	99
11.18 LTE Band 41 (20MHz Bandwidth)	100
11.19 LTE Band 41 Worse case for CA Test	103
11.20 5G n5 (20MHz Bandwidth)	104
11.21 5G n7 (20MHz Bandwidth)	106
11.22 5G n38 (20MHz Bandwidth)	110
11.23 5G n41 (100MHz Bandwidth)	114
11.24 5G n66 (20MHz Bandwidth)	118
11.25 WIFI 2.4GHz	122
11.26 WIFI 5GHz	123
11.27 Bluetooth	126
11.28 NFC	127
12 SAR Measurement Variability	131
13 SIMULTANEOUS TRANSMISSION	133
13.1 Simultaneous Transmission Mode Consider	133
13.2 Sum SAR of Simultaneous Transmission	134
14 TEST EQUIPMENTS LIST	184

ANNEX A SIMULATING LIQUID VERIFICATION RESULT	186
ANNEX B SYSTEM CHECK RESULT	188
ANNEX C TEST DATA	224
ANNEX D EUT EXTERNAL PHOTOS	317
ANNEX E SAR TEST SETUP PHOTOS	317
ANNEX F CALIBRATION REPORT	317

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	<input checked="" type="checkbox"/> Block B, 1/F, Baisha Science and Technology Park, Shahe Xi Road, Nanshan District, Shenzhen, Guangdong Province, P. R. China
	<input type="checkbox"/> 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	Realme Chongqing Mobile Telecommunications Corp., Ltd.
Address	No.178 Yulong Avenue, Yufengshan, Yubei District, Chongqing, China

2.2 Manufacturer Information

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

2.3 Factory Information

Factory	N/A
Address	N/A

2.4 General Description for Equipment under Test (EUT)

EUT Name	Mobile Phone
Model Name Under Test	RMX3780
Series Model Name	N/A
Description of Model name differentiation	N/A
Hardware Version	11
Software Version	realme UI 4.0
Dimensions (Approx.)	165.66*75.98*8.09mm
Weight (Approx.)	192 g
EUT ID	S13, S15, S16, S17, S18
IMEI Number	S13: IMEI1: 868006060034417, IMEI2: 868006060034409
	S15: IMEI1: 868006060035455, IMEI2: 868006060035448
	S16: IMEI1: 868006060035752, IMEI2: 868006060035745
	S17: IMEI1: 868006060034102, IMEI2: 868006060034102
	S18: IMEI1: 868006060034631, IMEI2: 868006060034623
Note1: EUT ID is used to identify the test sample in the lab internally.	
Note2: It is performed to test SAR with the EUT S13 & S17 & S18 and conducted power with the EUT S15 & S16.	

2.5 Ancillary Equipment

Ancillary Equipment 1	Battery	
	Brand Name	SUPERVOOC
	Model No.	BLP933
	Serial No.	N/A
	Capacity	Rated Capacity: 4890mAh/18.92Wh Typical Capacity: 5000mAh/19.35Wh
	Rated Voltage	3.87V
	Limit Charge Voltage	4.45V

2.6 Technical Information

Network and Wireless connectivity	<p>2G Network GSM/GPRS/EDGE 850/1900 MHz</p> <p>3G Network WCDMA/HSDPA/HSUPA Band 2/4/5</p> <p>4G Network LTE FDD Band 2/4/5/7/12/13/17/26/66 LTE TDD Band 38/41</p> <p>LTE CA Uplink (UL): CA_7C, CA_38C, CA_41C</p> <p>5G Network</p> <p>SA: NR n5/n7/n38/n41/n66</p> <p>NSA(EN-DC): DC_2A_n7A, DC_2A_n38A, DC_2A_n41A, DC_2A_n66A, DC_4A_n7A, DC_4A_n38A, DC_5A_n7A, DC_5A_n38A, DC_5A_n66A, DC_7A_n66A, DC_26A_n41A, DC_41A_n41A, DC_66A_n5A, DC_66A_n7A, DC_66A_n38A, DC_66A_n41A</p> <p>Bluetooth (BR+EDR+BLE)</p> <p>2.4G WIFI 802.11b, 802.11g, 802.11n(HT20/40), VHT20/40</p> <p>5G WIFI 802.11a, 802.11n(HT20/40), 802.11ac(VHT20/40/80)</p> <p>U-NII-1/2A/2C/3, GPS, GLONASS, BDS, Galileo, NFC</p>
<p>Note:</p> <p>The EUT is a mobile phone, which supports dual SIM card under the same transceiver. Each SIM supports GSM, WCDMA, LTE and NR, and both SIM share the same transmitting electro circuit, NV parameters, so only SIM1 was tested in this report.</p>	

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

Operating Mode	GSM, WCDMA, LTE, 2.4G WLAN, 5G WLAN, Bluetooth		
Frequency Range	GSM 850	TX: 824 ~ 849 MHz	RX: 869 ~ 894 MHz
	GSM 1900	TX: 1850 ~ 1910 MHz	RX: 1930 ~ 1990 MHz
	WCDMA Band 2	TX: 1850 ~ 1910 MHz	RX: 1930 ~ 1990 MHz
	WCDMA Band 4	TX: 1710 ~ 1755 MHz	RX: 2110 ~ 2155 MHz
	WCDMA Band 5	TX: 824 ~ 849 MHz	RX: 869 ~ 894 MHz
	LTE Band 2	TX: 1850 ~ 1910 MHz	RX: 1930 ~ 1990 MHz
	LTE Band 4	TX: 1710 ~ 1755 MHz	RX: 2110 ~ 2155 MHz
	LTE Band 5	TX: 824 ~ 849 MHz	RX: 869 ~ 894 MHz
	LTE Band 7	TX: 2500 ~ 2570 MHz	RX: 2620 ~ 2690 MHz
	LTE Band 12	TX: 699 ~ 716 MHz	RX: 729 ~ 746 MHz
	LTE Band 13	TX: 777 ~ 787 MHz	RX: 746 ~ 756 MHz
	LTE Band 17	TX: 704 ~ 716 MHz	RX: 734 ~ 746 MHz
	LTE Band 26	TX: 814 ~ 849 MHz & 824 ~ 849 MHz	RX: 859 ~ 894 MHz & 869 ~ 894 MHz
	LTE Band 66	TX: 1710 ~ 1780 MHz	RX: 2110 ~ 2180 MHz
	LTE Band 38	TX: 2570 ~ 2620 MHz	RX: 2570 ~ 2620 MHz
	LTE Band 41	TX: 2496 ~ 2690 MHz	RX: 2496 ~ 2690 MHz
n5	TX: 824 ~ 849 MHz	RX: 869 ~ 894 MHz	

	n7	TX: 2500 ~ 2570 MHz	RX: 2620 ~ 2690 MHz
	n38	TX: 2570 ~ 2620 MHz	RX: 2570 ~ 2620 MHz
	n41	TX: 2496 ~ 2690 MHz	RX: 2496 ~ 2690 MHz
	n66	TX: 1710 ~ 1780 MHz	RX: 2110 ~ 2180 MHz
	802.11b/g /n(HT20/HT40)	2412 ~ 2462 MHz	
	802.11VHT20/40	2412 ~ 2462 MHz	
	802.11a/ /n(HT20/HT40) /ac(VHT20/VHT40 /VHT80)	5150 ~ 5250 MHz	
		5250 ~ 5350 MHz	
		5470 ~ 5725 MHz	
Bluetooth	2402 ~ 2480 MHz		
Antenna Type	WWAN: PIFA Antenna WLAN: PIFA Antenna Bluetooth: PIFA Antenna		
DTM	N/A		
Hotspot Function	Support		
Power Reduction	Support		
Exposure Category	General Population/Uncontrolled exposure		
EUT Type	Portable Device		
Product Type	<input checked="" type="checkbox"/> Production unit		<input type="checkbox"/> Identical prototype
<p>Note:</p> <ol style="list-style-type: none"> 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 9.10. 			

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 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	0.51	0.13	0.28	/	1.16	0.64	1.03	2.13
	GSM 1900	0.82	0.16	0.37	/				
	WCDMA Band 2	0.88	0.16	0.35	/				
	WCDMA Band 4	1.04	0.20	0.51	1.37				
	WCDMA Band 5	0.51	0.21	0.24	/				
	LTE Band 2	0.90	0.17	0.37	/				
	LTE Band 4	1.03	0.20	0.50	/				
	LTE Band 5	0.65	0.21	0.28	/				
	LTE Band 7	1.01	0.25	0.44	/				
	LTE Band 12	0.78	0.14	0.25	/				
	LTE Band 13	0.54	0.20	0.18	/				
	LTE Band 17	0.77	0.20	0.19	/				
	LTE Band 26	0.77	0.25	0.28	/				
	LTE Band 66	1.15	0.25	0.46	/				
	LTE Band 38	1.08	0.29	0.60	/				
	LTE Band 41	1.16	0.32	0.56	/				
	NR n5	0.97	0.21	0.29	/				
	NR n7	1.08	0.31	0.58	1.93				
	NR n38	0.99	0.25	0.64	1.45				
	NR n41	1.16	0.19	0.42	1.57				
NR n66	1.09	0.25	0.77	2.13					
DTS	2.4G WLAN	0.64	0.12	0.27	/				
NII	5.2G WLAN	/	/	1.03	/				
	5.3G WLAN	0.87	0.63	/	1.64				
	5.6G WLAN	0.59	0.64	/	1.45				
	5.8G WLAN	0.55	0.35	0.48	/				
DSS	Bluetooth	0.40	0.06	0.12	/				
DXX	NFC	/	/	/	0.00000 11				
Limit (W/kg)		1.6			4.0	1.6			4.0
Verdict		Pass							

3.3.2 Highest Simultaneous Transmission SAR Values

Equipment Class	Maximum Scaled SAR (W/kg)			
	Head 1g (0mm)	Body-worn 1g (15mm)	Hotspot 1g (10mm)	Specific 10g (0mm)
PCE	1.57	0.63	1.33	2.88
DTS	1.33	0.38	0.84	/
NII	1.57	0.63	1.33	2.88
DSS	1.57	0.63	1.33	/
DXX	/	/	/	2.88
Limit (W/Kg)	1.60	1.60	1.60	4.00
Verdict	Pass			
Note: The highest simultaneous SAR please refer section 13.2				

3.4 Test Uncertainty

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

The maximum 1 g SAR for the EUT in this report is 1.16 W/kg, which is lower than 1.5 W/kg, so the extensive SAR measurement uncertainty analysis is not required in this report.

The maximum 10 g SAR for the EUT in this report is 2.13 W/kg, which is lower than 3.75 W/kg, so the extensive SAR measurement uncertainty analysis is not required in this report.

4 MEASUREMENT SYSTEM

4.1 Specific Absorption Rate (SAR) Definition

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

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

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

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

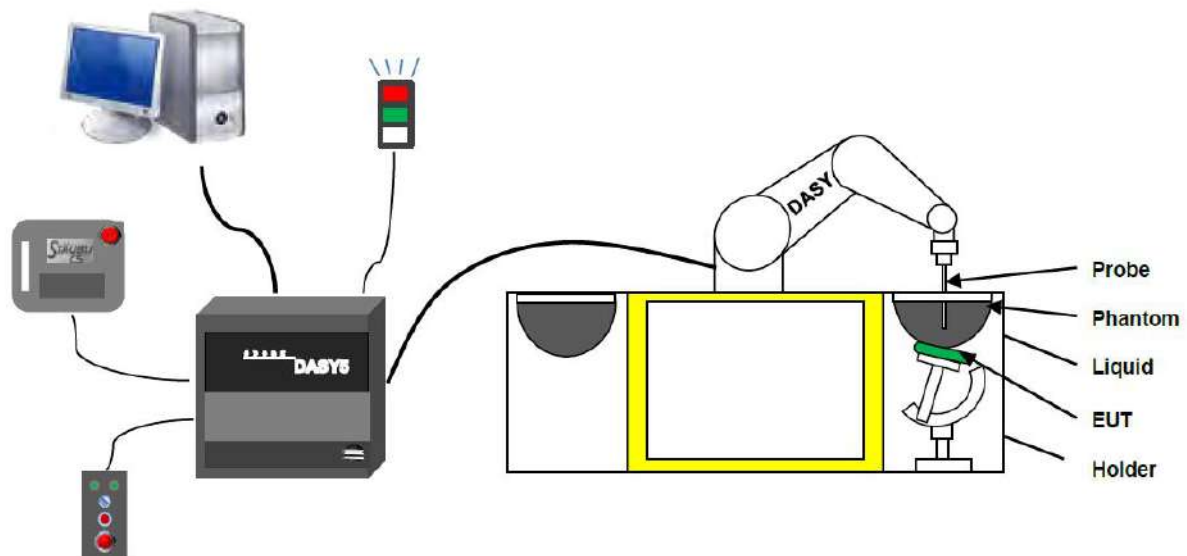
$$\mathbf{SAR} = \frac{\sigma E^2}{\rho}$$

Where: σ is the conductivity of the tissue,

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

4.2 DASYSAR System

4.2.1 DASYSAR System Diagram



The DASYS5 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 DASYS5 measurement server.
6. The DASYS5 measurement server, which performs all real-time data evaluation for field measurements and surface detection, controls robot movements and handles safety operation.
7. DASYS5 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 fields shielded via the closed metallic construction shields)

4.2.3 E-Field Probe

The probe is specially designed and calibrated for use in liquids with high permittivities for the measurements the Specific Dosimetric E-Field Probe EX3DV4-SN:7607&7510 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., glycoether)
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

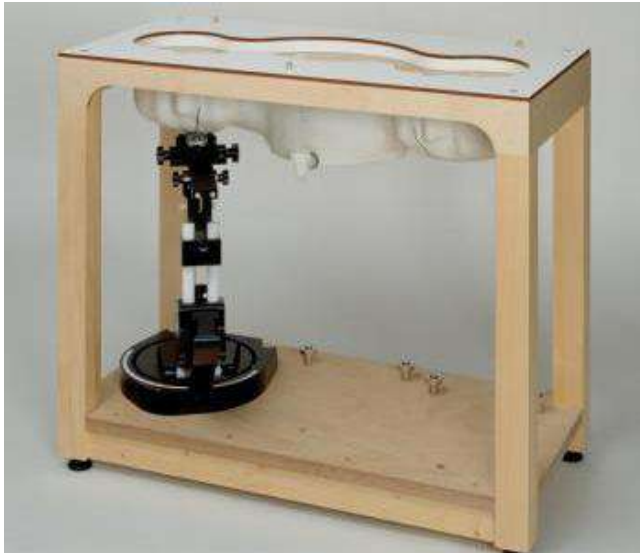
The data acquisition electronics (DAE) consist of a highly sensitive electrometer-grade preamplifier with auto-zeroing, a channel and gain-switching multiplexer, a fast 16 bit AD-converte and a command decoder with a control logic unit. Transmission to the measurement server is accomplished through an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



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

4.2.5 Phantoms

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



- Left head
- Right head
- Flat phantom

Photo of Phantom SN1857



Photo of Phantom SN1576



Serial Number	Material	Length	Height
SN 1857 SAM1	Vinylester, glass fiber reinforced	1000	500

SN 1576 SAM2	Vinylester, glass fiber reinforced	1000	500
---------------------	------------------------------------	------	-----

4.2.6 Device Holder

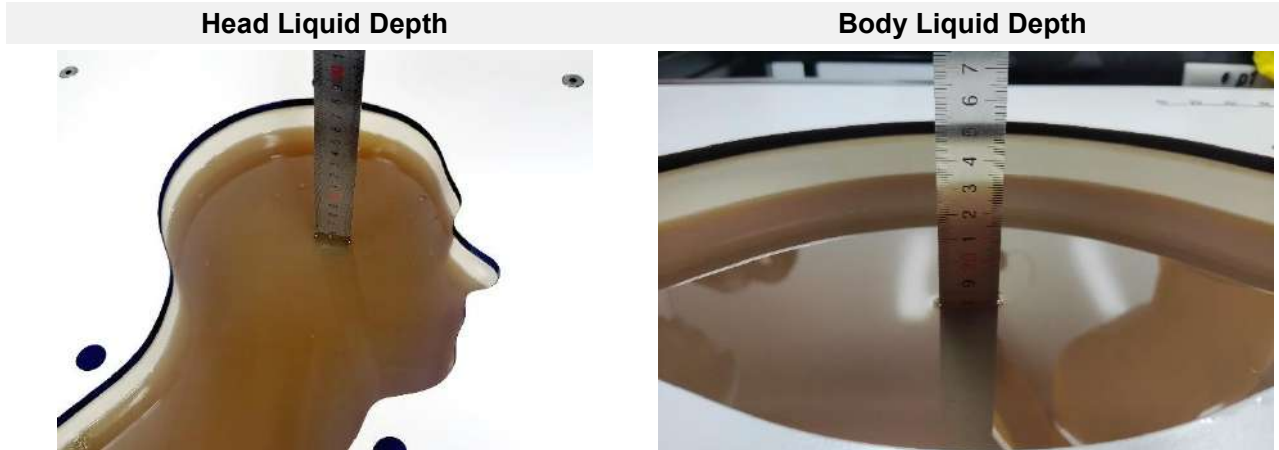
The DASY5 device holder has two scales for device rotation (with respect to the body axis) and the device inclination (with respect to the line between the ear openings). The plane between the ear openings and the mouth tip has a rotation angle of 65° . The bottom plate contains three pair of bolts for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



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

4.2.7 Simulating Liquid

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



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

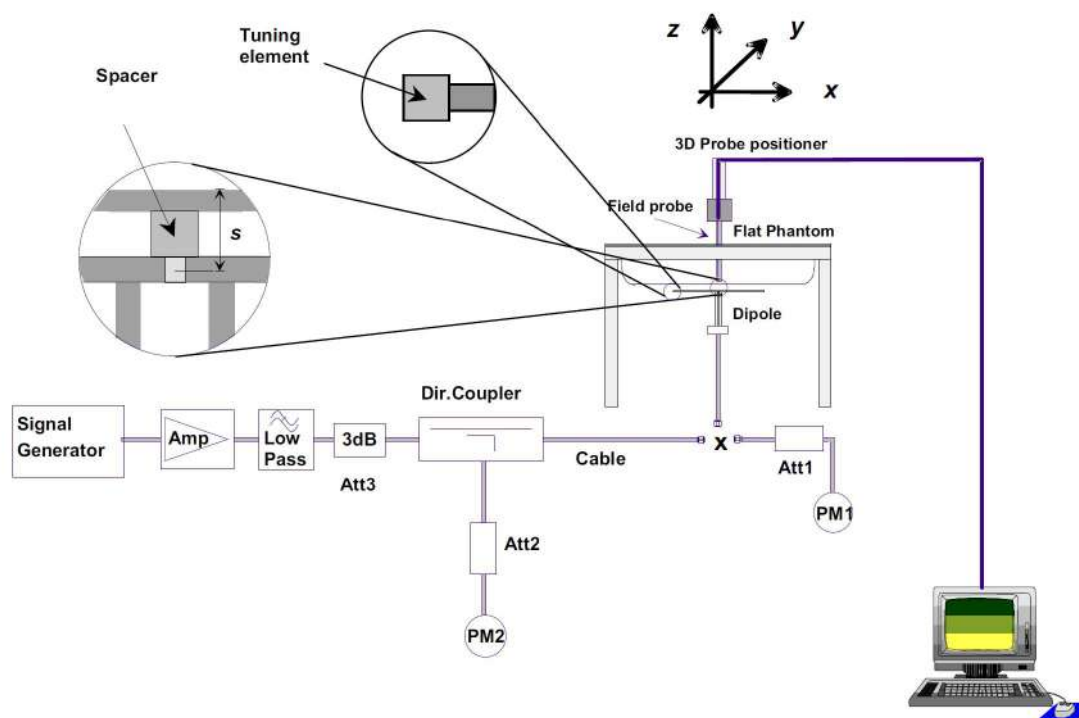
5 SYSTEM VERIFICATION

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

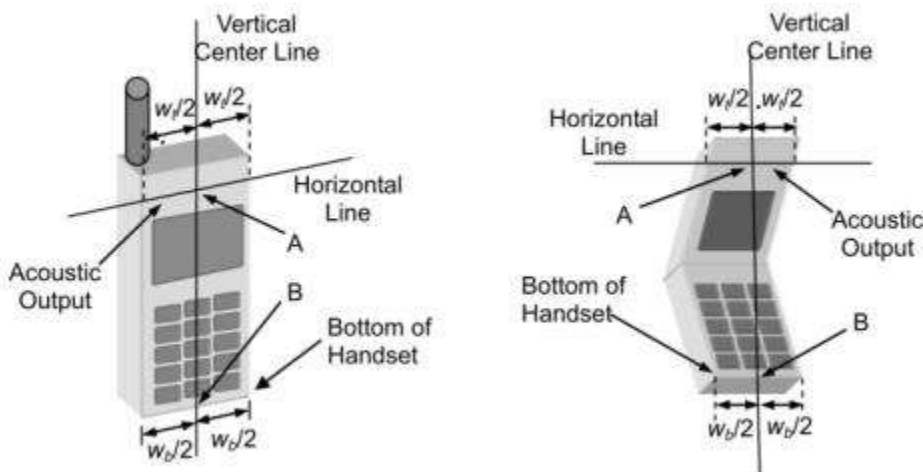
According to KDB 648474 D04 Handset, handsets are tested for SAR compliance in head, body-worn accessory and other use configurations described in the following subsections.

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

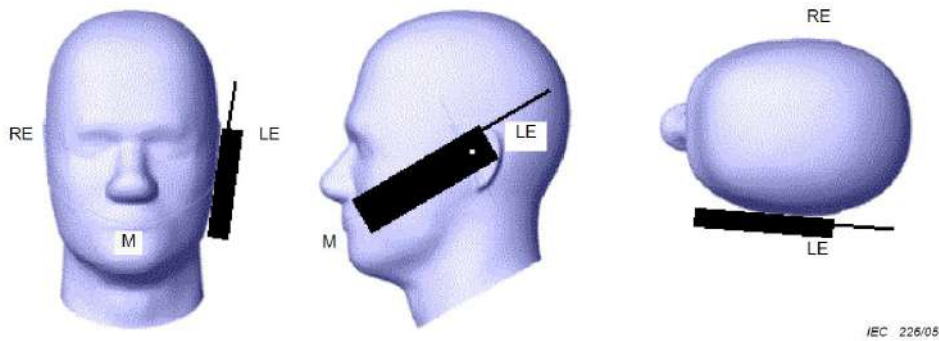
- The vertical center line passes through two points on the front side of the handset - the midpoint of the width w_t of the handset at the level of the acoustic output, and the midpoint of the width w_b of the bottom of the handset.
- The horizontal line is perpendicular to the vertical centerline and 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.

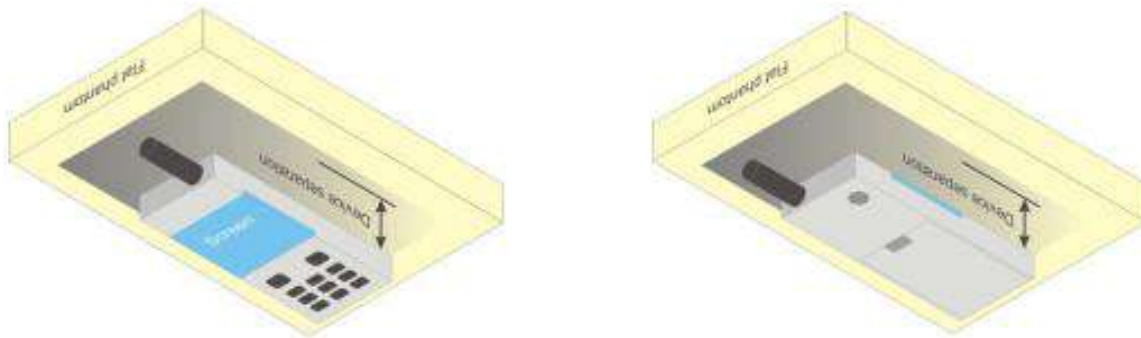


6.2 Body-worn Position Conditions

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.

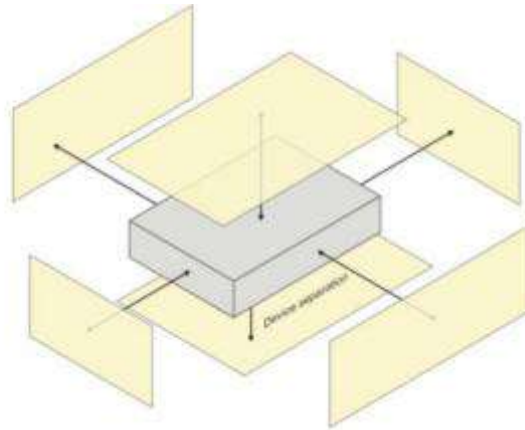
Body-worn accessories that do not contain metallic or conductive components may be tested according to worst-case exposure configurations, typically according to the smallest test separation distance required for the group of body-worn accessories with similar operating and exposure characteristics.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



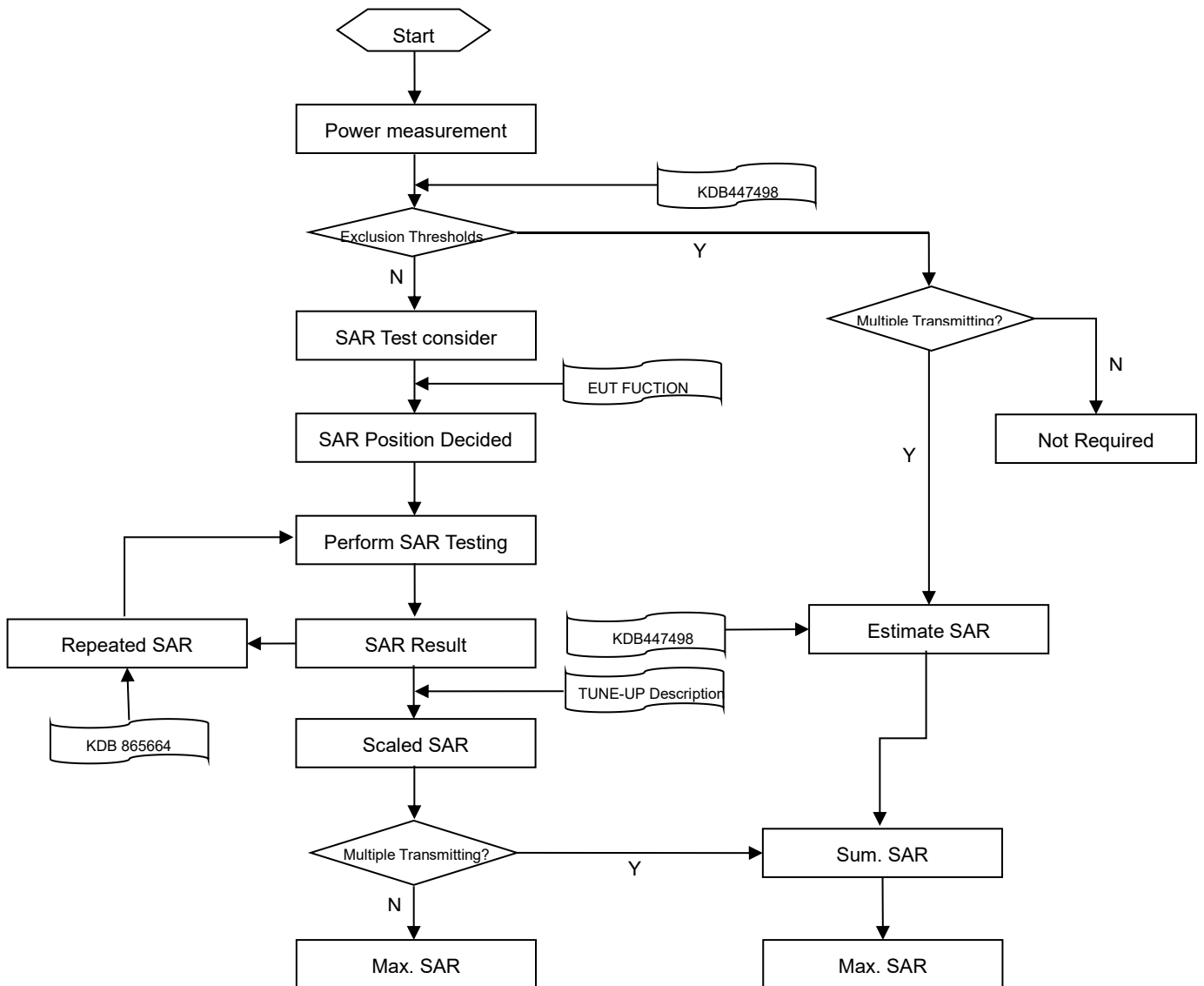
6.4 Product Specific 10g Exposure Consideration

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.

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°
Maximum area scan spatial resolution: Δx Area , Δy Area		≤ 2 GHz: ≤ 15 mm 2 – 3 GHz: ≤ 12 mm	3–4 GHz: ≤ 12 mm 4 – 6 GHz: ≤ 10 mm
		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 2 – 3 GHz: ≤ 5 mm*	3–4 GHz: ≤ 5 mm* 4 – 6 GHz: ≤ 4 mm*
Maximum zoom scan spatial resolution, normal to phantom surface	uniform grid: Δz Zoom (n)	≤ 5 mm	3–4 GHz: ≤ 4 mm
			4–5 GHz: ≤ 3 mm
			5–6 GHz: ≤ 2 mm
	graded grid	Δz Zoom (1): between 1st two points closest to phantom surface	≤ 4 mm
4–5 GHz: ≤ 2.5 mm			
	Δz Zoom (n>1): between subsequent points	≤ 1.5· Δz Zoom (n-1)	
Minimum zoom scan volume	x, y, z	≥30 mm	3–4 GHz: ≥ 28 mm
			4–5 GHz: ≥ 25 mm
			5–6 GHz: ≥ 22 mm
Note: <ol style="list-style-type: none"> δ is the penetration depth of a plane-wave at normal incidence to the tissue medium; see draft standard IEEE P1528-2011 for details. * When zoom scan is required and the reported SAR from the area scan based 1 g SAR estimation procedures of KDB 447498 is ≤ 1.4 W/kg, ≤ 8 mm, ≤ 7 mm and ≤ 5 mm zoom scan resolution may be applied, respectively, for 2 GHz to 3GHz, 3 GHz to 4 GHz and 4 GHz to 6 GHz. 			

7.3 Measurement Procedure

The following steps are used for each test position

- a. Establish a call with the maximum output power with a base station simulator. The connection between the mobile and the base station simulator is established via air interface
- b. Measurement of the local E-field value at a fixed location. This value serves as a reference value for calculating a possible power drift.
- c. Measurement of the SAR distribution with a grid of 8 to 16mm * 8 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.
- d. Around this point, a cube of 30 * 30 * 30 mm or 32 * 32 * 32 mm is assessed by measuring 5 or 8 * 5 or 8 * 4 or 5 mm. With these data, the peak spatial-average SAR value can be calculated.

7.4 Area & Zoom Scan Procedure

First Area Scan is used to locate the approximate location(s) of the local peak SAR value(s). The measurement grid within an Area Scan is defined by the grid extent, grid step size and grid offset. Next, in order to determine the EM field distribution in a three-dimensional spatial extension, Zoom Scan is required. The Zoom Scan is performed around the highest E-field value to determine the averaged SAR-distribution over 10 g. Area scan and zoom scan resolution setting follows KDB 865664 D01v01r04 quoted below.

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

8 UL duty cycle detection mechanism specification

8.1 Description

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

8.2 SAR test Plan

For each band, the conducted power for each duty cycle has been measured. The SAR evaluation uses the highest specified time-averaged output power configuration.

(1) For 5G NR test, using factory test mode to perform SAR with the highest specified time-averaged output power configuration, and UL duty cycle =100%.

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

8.3 Conducted Power

Please refer the document “BL-SZ250513-701 DC SAR Power List.pdf”.

9 CONDUCTED RF OUTPUT POWER

9.1 GSM

Please refer the document “BL-SZ2350513-701 Conducted RF Output Power List.pdf”.

9.2 WCDMA

Please refer the document “BL-SZ2350513-701 Conducted RF Output Power List.pdf”.

9.3 LTE

Please refer the document “BL-SZ2350513-701 Conducted RF Output Power List.pdf”.

9.4 Intra-Band Uplink CA Normal Power

Note:

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

Please refer the document “BL-SZ2350513-701 Conducted RF Output Power List.pdf”.

9.5 LTE-ENDC Power

Please refer the document “BL-SZ2350513-701 Conducted RF Output Power List.pdf”.

9.6 NR-SA Power

Please refer the document “BL-SZ2350513-701 Conducted RF Output Power List.pdf”.

9.7 NR-NSA Power

Please refer the document “BL-SZ2350513-701 Conducted RF Output Power List.pdf”.

9.8 WIFI

9.8.1 2.4G WIFI -Ant.5-Full Power

Band (GHz)	Mode	Channel	Freq. (MHz)	AV Power (dBm)	Tune-up Limit (dBm)
2.4 (2.4~2.4835)	802.11b	1	2412	11.53	13.50
		2	2417	11.55	13.50
		3	2422	12.05	14.00
		4	2427	12.72	14.50
		5	2432	13.27	15.00
		6	2437	15.63	17.00
		7	2442	16.67	18.00
		8	2447	16.57	18.00
		9	2452	13.48	15.00
		10	2457	12.28	14.00
		11	2462	11.61	13.50
	802.11g	1	2412	14.03	16.00
		2	2417	15.86	17.50
		3	2422	17.61	19.00
		6	2437	17.41	19.00
		8	2447	17.39	19.00
		9	2452	15.84	17.50
		10	2457	13.22	15.00
		11	2462	12.08	14.00
	802.11n(HT20)	1	2412	13.03	15.00
		2	2417	14.97	16.50
		3	2422	16.60	18.00
		4	2427	17.67	19.00
		6	2437	17.33	19.00
		7	2442	17.27	19.00
		8	2447	16.81	18.50
		9	2452	15.72	17.50
		10	2457	13.15	15.00
		11	2462	12.01	14.00
	802.11n(HT40)	3	2422	11.02	12.50
		4	2427	12.16	14.00
		5	2432	15.11	17.00
		6	2437	13.19	15.00
		7	2442	12.68	14.50

		8	2447	11.82	13.50
		9	2452	9.92	11.50
	VHT(20 MHz)	1	2412	13.05	15.00
		2	2417	15.05	16.50
		3	2422	16.46	18.00
		4	2427	17.60	19.00
		6	2437	17.30	19.00
		7	2442	17.27	19.00
		8	2447	16.36	18.00
		9	2452	15.26	17.00
		10	2457	13.17	15.00
		11	2462	12.06	14.00
		VHT(40 MHz)	3	2422	11.88
	4		2427	12.80	14.50
	5		2432	15.35	17.00
	6		2437	13.98	15.50
	7		2442	13.03	14.50
	8		2447	12.06	13.50
	9		2452	10.05	11.50

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.

9.8.2 2.4G WIFI -Ant.5-Level1

Band (GHz)	Mode	Channel	Freq. (MHz)	AV Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
2.4 (2.4~2.4835)	802.11b	1	2412	11.85	13.50	No
		2	2417	12.20	13.50	No
		3	2422	12.57	14.00	No
		4	2427	12.89	14.50	No
		5	2432	14.76	15.00	No
		6	2437	14.89	16.50	Yes
		7	2442	14.53	16.50	No
		8	2447	14.87	16.50	No
		9	2452	13.57	15.00	No
		10	2457	12.63	14.00	No
		11	2462	11.98	13.50	No
	802.11g	1	2412	14.37	16.00	No
		2	2417	15.13	16.50	No
		3	2422	15.14	16.50	No
		6	2437	14.85	16.50	No
		8	2447	15.11	16.50	No
		9	2452	15.07	16.50	No
		10	2457	13.62	15.00	No
		11	2462	12.36	14.00	No
	802.11n(HT20)	1	2412	13.33	15.00	No
		2	2417	14.91	16.50	No
		3	2422	15.19	16.50	No
		4	2427	14.88	16.50	No
		6	2437	14.91	16.50	No
		7	2442	15.02	16.50	No
		8	2447	15.10	16.50	No
		9	2452	15.07	16.50	No
		10	2457	13.40	15.00	No
		11	2462	12.52	14.00	No
	802.11n(HT40)	3	2422	10.81	12.50	No
		4	2427	12.44	14.00	No
		5	2432	14.86	16.50	No
		6	2437	13.52	15.00	No
		7	2442	13.00	14.50	No
		8	2447	12.00	13.50	No
		9	2452	10.00	11.50	No

	VHT(20 MHz)	1	2412	13.60	15.00	No
		2	2417	14.81	16.50	No
		3	2422	14.92	16.50	No
		4	2427	15.11	16.50	No
		6	2437	14.94	16.50	No
		7	2442	15.12	16.50	No
		8	2447	14.97	16.50	No
		9	2452	14.96	16.50	No
		10	2457	13.40	15.00	No
		11	2462	12.30	14.00	No
		VHT(40 MHz)	3	2422	12.12	13.50
	4		2427	12.81	14.50	No
	5		2432	15.11	16.50	No
	6		2437	13.94	15.50	No
	7		2442	12.98	14.50	No
	8		2447	12.17	13.50	No
	9		2452	9.83	11.50	No

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

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

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

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 = $0.640 * (44.67\text{mW}/44.67\text{mW}) = 0.640$ W/Kg, so 2.4G OFDM SAR test is not required.

9.8.3 2.4G WIFI -Ant.5-Level2

Band (GHz)	Mode	Channel	Freq. (MHz)	AV Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
2.4 (2.4~2.4835)	802.11b	1	2412	10.57	12.50	No
		2	2417	11.08	12.50	No
		3	2422	10.84	12.50	No
		4	2427	10.93	12.50	No
		5	2432	10.96	12.50	No
		6	2437	11.02	12.50	Yes
		7	2442	10.93	12.50	No
		8	2447	11.04	12.50	No
		9	2452	10.83	12.50	No
		10	2457	11.19	12.50	No
		11	2462	10.63	12.50	No
	802.11g	1	2412	10.61	12.50	No
		2	2417	11.09	12.50	No
		3	2422	10.85	12.50	No
		6	2437	11.03	12.50	No
		8	2447	11.00	12.50	No
		9	2452	10.80	12.50	No
		10	2457	11.16	12.50	No
		11	2462	10.74	12.50	No
	802.11n(HT20)	1	2412	10.51	12.50	No
		2	2417	11.15	12.50	No
		3	2422	11.14	12.50	No
		4	2427	11.13	12.50	No
		6	2437	10.90	12.50	No
		7	2442	11.14	12.50	No
		8	2447	10.81	12.50	No
		9	2452	11.17	12.50	No
		10	2457	11.13	12.50	No
		11	2462	10.64	12.50	No
	802.11n(HT40)	3	2422	11.01	12.50	No
		4	2427	11.05	12.50	No
		5	2432	11.04	12.50	No
		6	2437	11.10	12.50	No
		7	2442	10.80	12.50	No
		8	2447	11.01	12.50	No
		9	2452	11.02	11.50	No

	VHT(20 MHz)	1	2412	10.52	12.50	No
		2	2417	11.00	12.50	No
		3	2422	11.11	12.50	No
		4	2427	10.88	12.50	No
		6	2437	10.88	12.50	No
		7	2442	11.05	12.50	No
		8	2447	11.11	12.50	No
		9	2452	11.20	12.50	No
		10	2457	11.14	12.50	No
		11	2462	10.64	12.50	No
		VHT(40 MHz)	3	2422	11.01	12.50
	4		2427	11.12	12.50	No
	5		2432	11.08	12.50	No
	6		2437	11.12	12.50	No
	7		2442	10.91	12.50	No
	8		2447	10.97	12.50	No
	9		2452	11.05	11.50	No

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

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

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

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

Adjusted SAR = $0.229 * (17.78\text{mW}/17.18\text{mW}) = 0.229$ W/Kg, so 2.4G OFDM SAR test is not required.

9.8.4 2.4G WIFI -Ant.5-Level3

Band (GHz)	Mode	Channel	Freq. (MHz)	AV Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
2.4 (2.4~2.4835)	802.11b	1	2412	11.53	13.50	No
		2	2417	11.55	13.50	No
		3	2422	12.05	14.00	No
		4	2427	12.72	14.50	No
		5	2432	13.27	15.00	No
		6	2437	15.63	17.00	No
		7	2442	16.67	18.00	Yes
		8	2447	16.57	18.00	No
		9	2452	13.48	15.00	No
		10	2457	12.28	14.00	No
		11	2462	11.61	13.50	No
	802.11g	1	2412	14.03	16.00	No
		2	2417	15.86	17.50	No
		3	2422	17.61	19.00	No
		6	2437	17.41	19.00	No
		8	2447	17.39	19.00	No
		9	2452	15.84	17.50	No
		10	2457	13.22	15.00	No
		11	2462	12.08	14.00	No
	802.11n(HT20)	1	2412	13.03	15.00	No
		2	2417	14.97	16.50	No
		3	2422	16.60	18.00	No
		4	2427	17.67	19.00	No
		6	2437	17.33	19.00	No
		7	2442	17.27	19.00	No
		8	2447	16.81	18.50	No
		9	2452	15.72	17.50	No
		10	2457	13.15	15.00	No
		11	2462	12.01	14.00	No
	802.11n(HT40)	3	2422	11.02	12.50	No
		4	2427	12.16	14.00	No
		5	2432	15.11	17.00	No
		6	2437	13.19	15.00	No
		7	2442	12.68	14.50	No
		8	2447	11.82	13.50	No
		9	2452	9.92	11.50	No

	VHT(20 MHz)	1	2412	13.05	15.00	No
		2	2417	15.05	16.50	No
		3	2422	16.46	18.00	No
		4	2427	17.60	19.00	No
		6	2437	17.30	19.00	No
		7	2442	17.27	19.00	No
		8	2447	16.36	18.00	No
		9	2452	15.26	17.00	No
		10	2457	13.17	15.00	No
		11	2462	12.06	14.00	No
		VHT(40 MHz)	3	2422	11.88	13.50
	4		2427	12.80	14.50	No
	5		2432	15.35	17.00	No
	6		2437	13.98	15.50	No
	7		2442	13.03	14.50	No
	8		2447	12.06	13.50	No
	9		2452	10.05	11.50	No

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

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

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

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

Adjusted SAR = $0.270 * (79.43\text{mW}/63.10\text{mW}) = 0.327$ W/Kg, so 2.4G OFDM SAR test is not required.

9.8.5 2.4G WIFI -Ant.5-Level4

Band (GHz)	Mode	Channel	Freq. (MHz)	AV Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
2.4 (2.4~2.4835)	802.11b	1	2412	11.80	13.50	No
		2	2417	11.86	13.50	No
		3	2422	12.57	14.00	No
		4	2427	13.13	14.50	No
		5	2432	13.55	15.00	No
		6	2437	14.37	16.00	No
		7	2442	14.44	16.00	Yes
		8	2447	14.41	16.00	No
		9	2452	13.47	15.00	No
		10	2457	12.37	14.00	No
		11	2462	12.19	13.50	No
	802.11g	1	2412	14.01	16.00	No
		2	2417	14.70	16.00	No
		3	2422	14.55	16.00	No
		6	2437	14.36	16.00	No
		8	2447	14.44	16.00	No
		9	2452	14.37	16.00	No
		10	2457	13.69	15.00	No
		11	2462	12.64	14.00	No
	802.11n(HT20)	1	2412	14.01	15.00	No
		2	2417	14.50	16.00	No
		3	2422	14.48	16.00	No
		4	2427	14.68	16.00	No
		6	2437	14.24	16.00	No
		7	2442	14.37	16.00	No
		8	2447	14.35	16.00	No
		9	2452	14.69	16.00	No
		10	2457	13.66	15.00	No
		11	2462	12.44	14.00	No
	802.11n(HT40)	3	2422	11.07	12.50	No
		4	2427	12.36	14.00	No
		5	2432	14.35	16.00	No
		6	2437	14.33	15.00	No
		7	2442	13.12	14.50	No
		8	2447	11.82	13.50	No
		9	2452	9.83	11.50	No

	VHT(20 MHz)	1	2412	14.01	15.00	No
		2	2417	14.52	16.00	No
		3	2422	14.44	16.00	No
		4	2427	14.67	16.00	No
		6	2437	14.21	16.00	No
		7	2442	14.50	16.00	No
		8	2447	14.31	16.00	No
		9	2452	14.63	16.00	No
		10	2457	13.51	15.00	No
		11	2462	12.41	14.00	No
		VHT(40 MHz)	3	2422	11.86	13.50
	4		2427	12.92	14.50	No
	5		2432	14.48	16.00	No
	6		2437	14.41	15.50	No
	7		2442	12.84	14.50	No
	8		2447	11.94	13.50	No
	9		2452	10.20	11.50	No

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

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

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

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

Adjusted SAR = $0.167 * (39.81\text{mW}/39.81\text{mW}) = 0.167$ W/Kg, so 2.4G OFDM SAR test is not required.

9.8.6 5G WIFI-Ant.5-Full Power

Band (GHz)	Mode	Channel	Freq. (MHz)	AV Power (dBm)	Tune-up Limit (dBm)
5.2 (5.15~5.25)	802.11a	36	5180	16.56	17.00
		44	5220	18.34	19.00
		48	5240	18.68	19.00
	802.11n(HT20)	36	5180	16.21	17.00
		44	5220	18.49	19.00
		48	5240	18.43	19.00
	802.11n(HT40)	38	5190	13.38	14.00
		46	5230	18.52	19.00
	802.11ac(VHT20)	36	5180	16.26	17.00
		44	5220	18.53	19.00
		48	5240	18.61	19.00
	802.11ac(VHT40)	38	5190	13.39	14.00
46		5230	18.47	19.00	
802.11ac(VHT80)	42	5210	11.76	12.50	
5.3 (5.25~5.35)	802.11a	52	5260	18.78	19.00
		60	5300	18.62	19.00
		64	5320	16.44	17.00
	802.11n(HT20)	52	5260	18.55	19.00
		60	5300	18.67	19.00
		64	5320	15.34	16.00
	802.11n(HT40)	54	5270	18.53	19.00
		62	5310	13.48	14.00
	802.11ac(VHT20)	52	5260	18.59	19.00
		60	5300	18.43	19.00
		64	5320	15.61	16.00
	802.11ac(VHT40)	54	5270	18.53	19.00
62		5310	13.55	14.00	
802.11ac(VHT80)	58	5290	11.93	12.50	
5.6 (5.47~5.725)	802.11a	100	5500	14.59	15.00
		116	5580	18.72	19.00
		140	5700	14.72	15.00
	802.11n(HT20)	100	5500	14.56	15.00
		116	5580	18.73	19.00
		140	5700	14.56	15.00
	802.11n(HT40)	102	5510	13.62	14.00
118		5590	18.81	19.00	

	802.11ac(VHT20)	134	5670	15.84	16.00
		100	5500	14.43	15.00
		116	5580	18.82	19.00
		140	5700	14.59	15.00
	802.11ac(VHT40)	102	5510	13.62	14.00
		118	5590	18.79	19.00
		134	5670	17.75	18.00
	802.11ac(VHT80)	106	5530	11.52	12.00
		122	5690	16.66	17.00
	5.8 (5.725~5.850)	802.11a	149	5745	18.34
157			5785	18.40	19.00
165			5825	18.23	19.00
802.11n(HT20)		149	5745	18.33	19.00
		157	5785	18.35	19.00
		165	5825	18.45	19.00
802.11n(HT40)		151	5755	17.73	19.00
		159	5795	18.31	19.00
802.11ac(VHT20)		149	5745	18.26	19.00
		157	5785	18.38	19.00
		165	5825	18.45	19.00
802.11ac(VHT40)		151	5755	18.32	19.00
		159	5795	18.43	19.00
802.11ac(VHT80)		155	5775	16.33	17.00

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.

9.8.7 5G WIFI-Ant.5-Level1

Band (GHz)	Mode	Channel	Freq. (MHz)	AV Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
5.2 (5.15~5.25)	802.11a	36	5180	15.47	16.50	No
		44	5220	15.44	16.50	No
		48	5240	15.51	16.50	No
	802.11n(HT20)	36	5180	15.27	16.50	No
		44	5220	15.31	16.50	No
		48	5240	15.35	16.50	No
	802.11n(HT40)	38	5190	12.64	14.00	No
		46	5230	15.56	16.50	No
	802.11ac(VHT20)	36	5180	15.38	16.50	No
		44	5220	15.31	16.50	No
		48	5240	15.35	16.50	No
	802.11ac(VHT40)	38	5190	12.53	14.00	No
		46	5230	15.54	16.50	No
802.11ac(VHT80)	42	5210	11.14	12.50	No	
5.3 (5.25~5.35)	802.11a	52	5260	15.55	16.50	No
		60	5300	15.57	16.50	No
		64	5320	15.52	16.50	No
	802.11n(HT20)	52	5260	15.36	16.50	No
		60	5300	15.42	16.50	No
		64	5320	15.32	16.00	No
	802.11n(HT40)	54	5270	15.46	16.50	Yes
		62	5310	12.41	14.00	No
	802.11ac(VHT20)	52	5260	15.34	16.50	No
		60	5300	15.40	16.50	No
		64	5320	14.91	16.00	No
	802.11ac(VHT40)	54	5270	15.49	16.50	No
		62	5310	12.49	14.00	No
	802.11ac(VHT80)	58	5290	11.03	12.50	No
	5.6 (5.47~5.725)	802.11a	100	5500	14.17	15.00
116			5580	13.70	15.00	No
140			5700	14.26	15.00	No
802.11n(HT20)		100	5500	14.01	15.00	No
		116	5580	14.07	15.00	No
		140	5700	14.06	15.00	No
802.11n(HT40)		102	5510	12.41	14.00	No
		118	5590	14.16	15.00	No

		134	5670	14.17	15.00	No
	802.11ac(VHT20)	100	5500	14.00	15.00	No
		116	5580	14.02	15.00	No
		140	5700	14.09	15.00	No
	802.11ac(VHT40)	102	5510	12.54	14.00	No
		118	5590	14.21	15.00	No
		134	5670	14.22	15.00	No
	802.11ac(VHT80)	106	5530	10.60	12.00	No
		122	5690	14.06	15.00	Yes
	5.8 (5.725~5.850)	802.11a	149	5745	13.77	15.00
157			5785	13.87	15.00	No
165			5825	13.80	15.00	No
802.11n(HT20)		149	5745	13.62	15.00	No
		157	5785	13.63	15.00	No
		165	5825	13.69	15.00	No
802.11n(HT40)		151	5755	13.69	15.00	No
		159	5795	13.85	15.00	No
802.11ac(VHT20)		149	5745	13.60	15.00	No
		157	5785	13.65	15.00	No
		165	5825	13.73	15.00	No
802.11ac(VHT40)		151	5755	13.75	15.00	No
		159	5795	13.76	15.00	No
802.11ac(VHT80)		155	5775	13.66	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.

9.8.8 5G WIFI-Ant.5-Level2

Band (GHz)	Mode	Channel	Freq. (MHz)	AV Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
5.2 (5.15~5.25)	802.11a	36	5180	11.30	12.50	No
		44	5220	11.27	12.50	No
		48	5240	11.34	12.50	No
	802.11n(HT20)	36	5180	11.11	12.50	No
		44	5220	11.18	12.50	No
		48	5240	11.14	12.50	No
	802.11n(HT40)	38	5190	11.32	12.50	No
		46	5230	11.32	12.50	No
	802.11ac(VHT20)	36	5180	11.11	12.50	No
		44	5220	11.16	12.50	No
		48	5240	11.16	12.50	No
	802.11ac(VHT40)	38	5190	11.24	12.50	No
		46	5230	11.32	12.50	No
	802.11ac(VHT80)	42	5210	11.19	12.50	No
	5.3 (5.25~5.35)	802.11a	52	5260	11.32	12.50
60			5300	11.40	12.50	No
64			5320	11.33	12.50	No
802.11n(HT20)		52	5260	11.24	12.50	No
		60	5300	11.30	12.50	No
		64	5320	11.28	12.50	No
802.11n(HT40)		54	5270	11.36	12.50	No
		62	5310	11.40	12.50	No
802.11ac(VHT20)		52	5260	11.25	12.50	No
		60	5300	11.27	12.50	No
		64	5320	11.22	12.50	No
802.11ac(VHT40)		54	5270	11.40	12.50	No
		62	5310	11.46	12.50	No
802.11ac(VHT80)		58	5290	11.32	12.50	Yes
5.6 (5.47~5.725)		802.11a	100	5500	9.91	11.00
	116		5580	10.02	11.00	No
	140		5700	10.03	11.00	No
	802.11n(HT20)	100	5500	9.93	11.00	No
		116	5580	9.93	11.00	No
		140	5700	9.97	11.00	No
	802.11n(HT40)	102	5510	9.98	11.00	No
		118	5590	10.02	11.00	No

		134	5670	10.00	11.00	No
	802.11ac(VHT20)	100	5500	9.83	11.00	No
		116	5580	9.95	11.00	No
		140	5700	9.93	11.00	No
	802.11ac(VHT40)	102	5510	10.04	11.00	No
		118	5590	10.03	11.00	No
		134	5670	10.00	11.00	No
	802.11ac(VHT80)	106	5530	9.89	11.00	No
		122	5690	9.99	11.00	Yes
	5.8 (5.725~5.850)	802.11a	149	5745	9.61	11.00
157			5785	9.63	11.00	No
165			5825	9.70	11.00	No
802.11n(HT20)		149	5745	9.48	11.00	No
		157	5785	9.52	11.00	No
		165	5825	9.52	11.00	No
802.11n(HT40)		151	5755	9.59	11.00	No
		159	5795	9.79	11.00	No
802.11ac(VHT20)		149	5745	9.47	11.00	No
		157	5785	9.56	11.00	No
		165	5825	9.50	11.00	No
802.11ac(VHT40)		151	5755	9.60	11.00	No
		159	5795	9.63	11.00	No
802.11ac(VHT80)		155	5775	9.58	11.00	Yes

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

9.8.9 5G WIFI-Ant.5-Level3

Band (GHz)	Mode	Channel	Freq. (MHz)	AV Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
5.2 (5.15~5.25)	802.11a	36	5180	16.56	17.00	No
		44	5220	18.34	19.00	No
		48	5240	18.68	19.00	No
	802.11n(HT20)	36	5180	16.21	17.00	No
		44	5220	18.49	19.00	No
		48	5240	18.43	19.00	No
	802.11n(HT40)	38	5190	13.38	14.00	No
		46	5230	18.52	19.00	Yes
	802.11ac(VHT20)	36	5180	16.26	17.00	No
		44	5220	18.53	19.00	No
		48	5240	18.61	19.00	No
	802.11ac(VHT40)	38	5190	13.39	14.00	No
		46	5230	18.47	19.00	No
802.11ac(VHT80)	42	5210	11.76	12.50	No	
5.3 (5.25~5.35)	802.11a	52	5260	18.78	19.00	No
		60	5300	18.62	19.00	No
		64	5320	16.44	17.00	No
	802.11n(HT20)	52	5260	18.55	19.00	No
		60	5300	18.67	19.00	No
		64	5320	15.34	16.00	No
	802.11n(HT40)	54	5270	18.53	19.00	Yes
		62	5310	13.48	14.00	No
	802.11ac(VHT20)	52	5260	18.59	19.00	No
		60	5300	18.43	19.00	No
		64	5320	15.61	16.00	No
	802.11ac(VHT40)	54	5270	18.53	19.00	No
		62	5310	13.55	14.00	No
	802.11ac(VHT80)	58	5290	11.93	12.50	No
	5.6 (5.47~5.725)	802.11a	100	5500	13.37	15.00
116			5580	16.80	17.50	No
140			5700	13.30	15.00	No
802.11n(HT20)		100	5500	13.34	15.00	No
		116	5580	16.80	17.50	No
		140	5700	13.56	15.00	No
802.11n(HT40)		102	5510	12.56	14.00	No
		118	5590	16.18	17.50	Yes

		134	5670	14.38	16.00	No
	802.11ac(VHT20)	100	5500	13.66	15.00	No
		116	5580	16.15	17.50	No
		140	5700	13.67	15.00	No
	802.11ac(VHT40)	102	5510	12.45	14.00	No
		118	5590	16.14	17.50	No
		134	5670	16.06	17.50	No
	802.11ac(VHT80)	106	5530	10.56	12.00	No
		122	5690	16.70	17.00	No
	5.8 (5.725~5.850)	802.11a	149	5745	14.80	16.50
157			5785	14.92	16.50	No
165			5825	14.93	16.50	No
802.11n(HT20)		149	5745	14.84	16.50	No
		157	5785	14.86	16.50	No
		165	5825	14.93	16.50	No
802.11n(HT40)		151	5755	14.96	16.50	No
		159	5795	14.92	16.50	No
802.11ac(VHT20)		149	5745	15.02	16.50	No
		157	5785	15.00	16.50	No
		165	5825	15.20	16.50	No
802.11ac(VHT40)		151	5755	14.92	16.50	No
		159	5795	14.94	16.50	No
802.11ac(VHT80)		155	5775	15.33	16.50	Yes

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

9.8.10 5G WIFI-Ant.5-Level4

Band (GHz)	Mode	Channel	Freq. (MHz)	AV Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
5.2 (5.15~5.25)	802.11a	36	5180	14.56	15.50	No
		44	5220	14.02	15.50	No
		48	5240	14.53	15.50	No
	802.11n(HT20)	36	5180	13.90	15.50	No
		44	5220	13.92	15.50	No
		48	5240	14.42	15.50	No
	802.11n(HT40)	38	5190	12.44	14.00	No
		46	5230	14.00	15.50	Yes
	802.11ac(VHT20)	36	5180	14.02	15.50	No
		44	5220	13.94	15.50	No
		48	5240	13.97	15.50	No
	802.11ac(VHT40)	38	5190	12.50	14.00	No
		46	5230	14.00	15.50	No
802.11ac(VHT80)	42	5210	10.81	12.50	No	
5.3 (5.25~5.35)	802.11a	52	5260	14.12	15.50	No
		60	5300	14.62	15.50	No
		64	5320	14.14	15.50	No
	802.11n(HT20)	52	5260	14.00	15.50	No
		60	5300	14.02	15.50	No
		64	5320	14.00	15.50	No
	802.11n(HT40)	54	5270	14.00	15.50	Yes
		62	5310	12.42	14.00	No
	802.11ac(VHT20)	52	5260	14.03	15.50	No
		60	5300	14.51	15.50	No
		64	5320	13.97	15.50	No
	802.11ac(VHT40)	54	5270	14.04	15.50	No
		62	5310	12.65	14.00	No
	802.11ac(VHT80)	58	5290	11.17	12.50	No
	5.6 (5.47~5.725)	802.11a	100	5500	11.62	12.50
116			5580	11.72	12.50	No
140			5700	11.78	12.50	No
802.11n(HT20)		100	5500	11.56	12.50	No
		116	5580	11.57	12.50	No
		140	5700	11.60	12.50	No
802.11n(HT40)		102	5510	11.05	12.50	No
		118	5590	11.08	12.50	No

		134	5670	11.13	12.50	No
	802.11ac(VHT20)	100	5500	11.55	12.50	No
		116	5580	11.60	12.50	No
		140	5700	11.66	12.50	No
	802.11ac(VHT40)	102	5510	11.08	12.50	No
		118	5590	11.14	12.50	No
		134	5670	11.16	12.50	No
	802.11ac(VHT80)	106	5530	11.45	12.00	No
		122	5690	11.50	12.50	Yes
	5.8 (5.725~5.850)	802.11a	149	5745	10.20	11.50
157			5785	10.29	11.50	No
165			5825	10.26	11.50	No
802.11n(HT20)		149	5745	10.08	11.50	No
		157	5785	10.12	11.50	No
		165	5825	10.21	11.50	No
802.11n(HT40)		151	5755	10.16	11.50	No
		159	5795	10.12	11.50	No
802.11ac(VHT20)		149	5745	10.00	11.50	No
		157	5785	10.13	11.50	No
		165	5825	10.17	11.50	No
802.11ac(VHT40)		151	5755	10.14	11.50	No
		159	5795	10.17	11.50	No
802.11ac(VHT80)		155	5775	10.07	11.50	Yes

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

9.9 Bluetooth

Mode	GFSK			π/4-DQPSK		
Channel	0	39	78	0	39	78
Frequency (MHz)	2402	2441	2480	2402	2441	2480
Average Power (dBm)	12.63	12.41	13.98	9.28	9.10	10.82
Tune-Up Limit (dBm)	14.00	14.00	14.00	11.00	11.00	11.00
SAR Test Require	YES	YES	YES	NO	NO	NO
Mode	8-DPSK			/		
Channel	0	39	78	/	/	/
Frequency (MHz)	2402	2441	2480	/	/	/
Average Power (dBm)	9.07	9.02	10.67	/	/	/
Tune-Up Limit (dBm)	11.00	11.00	11.00	/	/	/
SAR Test Require	NO	NO	NO	/	/	/
Mode	BLE-1Mbps			BLE-2Mbps		
Channel	0	19	39	0	19	39
Frequency (MHz)	2402	2440	2480	2402	2440	2480
Average Power (dBm)	5.62	6.14	5.18	5.12	5.56	5.11
Tune-Up Limit (dBm)	7.00	7.00	7.00	7.00	7.00	7.00
SAR Test Require	NO	NO	NO	NO	NO	NO

Note 1: Since bluetooth BR mode is the maximum output power mode, SAR measurements were performed with test software using DH5 modulation, and SAR measurement is not required for the EDR and LE. When the secondary mode is \leq 4 dB higher than the primary mode.

The Bluetooth duty cycle GFSK is 76.67 % as following figure, according to 2016 Oct. TCB workshop for Bluetooth SAR scaling need further consideration and the maximum duty cycle is 100%, therefore the actual duty cycle will be scaled up to 100% for Bluetooth reported SAR calculation.

Duty Cycle

GFSK



9.10 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/Limbs exposure reduced the power.
4. When this device used data mode only, and the receiver will not work too, the reduced the power are same as body exposure.

WWAN Reduced power level table

Reduced State	Receiver state	Transmitting conditions
State2	On (Head scenario)	WWAN Only
State4	On (Head scenario)	WWAN + WLAN 2.4G/WLAN 5G + BT
State1	Off (Body scenario)	WWAN Only
State3	Off (Body scenario)	WWAN + WLAN 2.4G/WLAN 5G + BT

Mode	Antenna	WWAN Antenna				
		Full Power	Head		Body	
			Receiver on		Receiver off	
			State2	State4	State1	State3
GSM 850	Ant.0	33.50	33.50	33.50	33.50	33.50
GPRS850 1 Tx Slot	Ant.0	33.50	33.50	33.50	33.50	33.50
GPRS850 2 Tx Slots	Ant.0	32.00	32.00	32.00	32.00	32.00
GPRS850 3 Tx Slots	Ant.0	30.50	30.50	30.50	30.50	30.50
GPRS850 4 Tx Slots	Ant.0	29.00	29.00	29.00	29.00	29.00
EGPRS850 1 Tx Slot	Ant.0	28.50	28.50	28.50	28.50	28.50
EGPRS850 2 Tx Slots	Ant.0	26.50	26.50	26.50	26.50	26.50
EGPRS850 3 Tx Slots	Ant.0	24.50	24.50	24.50	24.50	24.50
EGPRS850 4 Tx Slots	Ant.0	23.50	23.50	23.50	23.50	23.50
GSM 850	Ant.1	31.50	30.00	30.00	31.50	31.50
GPRS850 1 Tx Slot	Ant.1	31.50	30.00	30.00	31.50	31.50
GPRS850 2 Tx Slots	Ant.1	30.00	28.50	28.50	30.00	30.00
GPRS850 3 Tx Slots	Ant.1	28.50	27.00	27.00	28.50	28.50
GPRS850 4 Tx Slots	Ant.1	27.00	25.50	25.50	27.00	27.00

EGPRS850 1 Tx Slot	Ant.1	26.50	25.00	25.00	26.50	26.50
EGPRS850 2 Tx Slots	Ant.1	24.50	23.00	23.00	24.50	24.50
EGPRS850 3 Tx Slots	Ant.1	22.50	21.00	21.00	22.50	22.50
EGPRS850 4 Tx Slots	Ant.1	21.50	20.00	20.00	21.50	21.50
GSM 1900	Ant.0	30.50	30.50	30.50	28.00	28.00
GPRS1900 1 Tx Slot	Ant.0	30.50	30.50	30.50	28.00	28.00
GPRS1900 2 Tx Slots	Ant.0	28.50	28.50	28.50	26.00	26.00
GPRS1900 3 Tx Slots	Ant.0	27.50	27.50	27.50	25.00	25.00
GPRS1900 4 Tx Slots	Ant.0	25.50	25.50	25.50	23.00	23.00
EGPRS1900 1 Tx Slot	Ant.0	28.00	28.00	28.00	25.50	25.50
EGPRS1900 2 Tx Slots	Ant.0	25.00	25.00	25.00	22.50	22.50
EGPRS1900 3 Tx Slots	Ant.0	23.00	23.00	23.00	20.50	20.50
EGPRS1900 4 Tx Slots	Ant.0	22.50	22.50	22.50	20.00	20.00
GSM 1900	Ant.1	26.00	26.00	26.00	26.00	26.00
GPRS1900 1 Tx Slot	Ant.1	26.00	26.00	26.00	26.00	26.00
GPRS1900 2 Tx Slots	Ant.1	24.00	24.00	24.00	24.00	24.00
GPRS1900 3 Tx Slots	Ant.1	23.00	23.00	23.00	23.00	23.00
GPRS1900 4 Tx Slots	Ant.1	21.00	21.00	21.00	21.00	21.00
EGPRS1900 1 Tx Slot	Ant.1	23.50	23.50	23.50	23.50	23.50
EGPRS1900 2 Tx Slots	Ant.1	20.50	20.50	20.50	20.50	20.50
EGPRS1900 3 Tx Slots	Ant.1	18.50	18.50	18.50	18.50	18.50
EGPRS1900 4 Tx Slots	Ant.1	18.00	18.00	18.00	18.00	18.00
WCDMA Band2 RMC	Ant.0	24.00	24.00	24.00	20.00	20.00
AMR	Ant.0	24.00	24.00	24.00	20.00	20.00
HSDPA Subtest-1	Ant.0	24.00	24.00	24.00	20.00	20.00
HSDPA Subtest-2	Ant.0	24.00	24.00	24.00	20.00	20.00
HSDPA Subtest-3	Ant.0	23.50	23.50	23.50	19.50	19.50
HSDPA Subtest-4	Ant.0	23.50	23.50	23.50	19.50	19.50
DC-HSDPA Subtest-1	Ant.0	24.00	24.00	24.00	20.00	20.00
DC-HSDPA Subtest-2	Ant.0	24.00	24.00	24.00	20.00	20.00
DC-HSDPA Subtest-3	Ant.0	23.50	23.50	23.50	19.50	19.50
DC-HSDPA Subtest-4	Ant.0	23.50	23.50	23.50	19.50	19.50
HSUPA Subtest-1	Ant.0	22.00	22.00	22.00	18.00	18.00
HSUPA Subtest-2	Ant.0	22.00	22.00	22.00	18.00	18.00
HSUPA Subtest-3	Ant.0	23.00	23.00	23.00	19.00	19.00
HSUPA Subtest-4	Ant.0	21.50	21.50	21.50	17.50	17.50
HSUPA Subtest-5	Ant.0	23.00	23.00	23.00	19.00	19.00
HSPA+	Ant.0	22.50	22.50	22.50	18.50	18.50

WCDMA Band2 RMC	Ant.1	18.50	18.50	18.50	18.50	18.50
AMR	Ant.1	18.50	18.50	18.50	18.50	18.50
HSDPA Subtest-1	Ant.1	18.50	18.50	18.50	18.50	18.50
HSDPA Subtest-2	Ant.1	18.50	18.50	18.50	18.50	18.50
HSDPA Subtest-3	Ant.1	18.00	18.00	18.00	18.00	18.00
HSDPA Subtest-4	Ant.1	18.00	18.00	18.00	18.00	18.00
DC-HSDPA Subtest-1	Ant.1	18.50	18.50	18.50	18.50	18.50
DC-HSDPA Subtest-2	Ant.1	18.50	18.50	18.50	18.50	18.50
DC-HSDPA Subtest-3	Ant.1	18.00	18.00	18.00	18.00	18.00
DC-HSDPA Subtest-4	Ant.1	18.00	18.00	18.00	18.00	18.00
HSUPA Subtest-1	Ant.1	16.50	16.50	16.50	16.50	16.50
HSUPA Subtest-2	Ant.1	16.50	16.50	16.50	16.50	16.50
HSUPA Subtest-3	Ant.1	17.50	17.50	17.50	17.50	17.50
HSUPA Subtest-4	Ant.1	16.00	16.00	16.00	16.00	16.00
HSUPA Subtest-5	Ant.1	17.50	17.50	17.50	17.50	17.50
HSPA+	Ant.1	17.00	17.00	17.00	17.00	17.00
WCDMA Band4 RMC	Ant.0	24.00	24.00	24.00	20.00	20.00
AMR	Ant.0	24.00	24.00	24.00	20.00	20.00
HSDPA Subtest-1	Ant.0	24.00	24.00	24.00	20.00	20.00
HSDPA Subtest-2	Ant.0	24.00	24.00	24.00	20.00	20.00
HSDPA Subtest-3	Ant.0	23.50	23.50	23.50	19.50	19.50
HSDPA Subtest-4	Ant.0	23.50	23.50	23.50	19.50	19.50
DC-HSDPA Subtest-1	Ant.0	24.00	24.00	24.00	20.00	20.00
DC-HSDPA Subtest-2	Ant.0	24.00	24.00	24.00	20.00	20.00
DC-HSDPA Subtest-3	Ant.0	23.50	23.50	23.50	19.50	19.50
DC-HSDPA Subtest-4	Ant.0	23.50	23.50	23.50	19.50	19.50
HSUPA Subtest-1	Ant.0	22.00	22.00	22.00	18.00	18.00
HSUPA Subtest-2	Ant.0	22.00	22.00	22.00	18.00	18.00
HSUPA Subtest-3	Ant.0	23.00	23.00	23.00	19.00	19.00
HSUPA Subtest-4	Ant.0	21.50	21.50	21.50	17.50	17.50
HSUPA Subtest-5	Ant.0	23.00	23.00	23.00	19.00	19.00
HSPA+	Ant.0	22.50	22.50	22.50	18.50	18.50
WCDMA Band4 RMC	Ant.1	19.50	18.50	18.50	19.50	19.50
AMR	Ant.1	19.50	18.50	18.50	19.50	19.50
HSDPA Subtest-1	Ant.1	19.50	18.50	18.50	19.50	19.50
HSDPA Subtest-2	Ant.1	19.50	18.50	18.50	19.50	19.50
HSDPA Subtest-3	Ant.1	19.00	18.00	18.00	19.00	19.00
HSDPA Subtest-4	Ant.1	19.00	18.00	18.00	19.00	19.00

DC-HSDPA Subtest-1	Ant.1	19.50	18.50	18.50	19.50	19.50
DC-HSDPA Subtest-2	Ant.1	19.50	18.50	18.50	19.50	19.50
DC-HSDPA Subtest-3	Ant.1	19.00	18.00	18.00	19.00	19.00
DC-HSDPA Subtest-4	Ant.1	19.00	18.00	18.00	19.00	19.00
HSUPA Subtest-1	Ant.1	17.50	16.50	16.50	17.50	17.50
HSUPA Subtest-2	Ant.1	17.50	16.50	16.50	17.50	17.50
HSUPA Subtest-3	Ant.1	18.50	17.50	17.50	18.50	18.50
HSUPA Subtest-4	Ant.1	17.00	16.00	16.00	17.00	17.00
HSUPA Subtest-5	Ant.1	18.50	17.50	17.50	18.50	18.50
HSPA+	Ant.1	18.00	17.00	17.00	18.00	18.00
WCDMA Band5 RMC	Ant.0	24.50	24.50	24.50	24.50	24.50
AMR	Ant.0	24.50	24.50	24.50	24.50	24.50
HSDPA Subtest-1	Ant.0	24.50	24.50	24.50	24.50	24.50
HSDPA Subtest-2	Ant.0	24.50	24.50	24.50	24.50	24.50
HSDPA Subtest-3	Ant.0	24.00	24.00	24.00	24.00	24.00
HSDPA Subtest-4	Ant.0	24.00	24.00	24.00	24.00	24.00
DC-HSDPA Subtest-1	Ant.0	24.50	24.50	24.50	24.50	24.50
DC-HSDPA Subtest-2	Ant.0	24.50	24.50	24.50	24.50	24.50
DC-HSDPA Subtest-3	Ant.0	24.00	24.00	24.00	24.00	24.00
DC-HSDPA Subtest-4	Ant.0	24.00	24.00	24.00	24.00	24.00
HSUPA Subtest-1	Ant.0	22.50	22.50	22.50	22.50	22.50
HSUPA Subtest-2	Ant.0	22.50	22.50	22.50	22.50	22.50
HSUPA Subtest-3	Ant.0	23.50	23.50	23.50	23.50	23.50
HSUPA Subtest-4	Ant.0	22.00	22.00	22.00	22.00	22.00
HSUPA Subtest-5	Ant.0	23.50	23.50	23.50	23.50	23.50
HSPA+	Ant.0	23.00	23.00	23.00	23.00	23.00
WCDMA Band5 RMC	Ant.1	24.50	22.00	22.00	24.50	24.50
AMR	Ant.1	24.50	22.00	22.00	24.50	24.50
HSDPA Subtest-1	Ant.1	24.50	22.00	22.00	24.50	24.50
HSDPA Subtest-2	Ant.1	24.50	22.00	22.00	24.50	24.50
HSDPA Subtest-3	Ant.1	24.00	21.50	21.50	24.00	24.00
HSDPA Subtest-4	Ant.1	24.00	21.50	21.50	24.00	24.00
DC-HSDPA Subtest-1	Ant.1	24.50	22.00	22.00	24.50	24.50
DC-HSDPA Subtest-2	Ant.1	24.50	22.00	22.00	24.50	24.50
DC-HSDPA Subtest-3	Ant.1	24.00	21.50	21.50	24.00	24.00
DC-HSDPA Subtest-4	Ant.1	24.00	21.50	21.50	24.00	24.00
HSUPA Subtest-1	Ant.1	22.50	20.00	20.00	22.50	22.50
HSUPA Subtest-2	Ant.1	22.50	20.00	20.00	22.50	22.50

HSUPA Subtest-3	Ant.1	23.50	21.00	21.00	23.50	23.50
HSUPA Subtest-4	Ant.1	22.00	19.50	19.50	22.00	22.00
HSUPA Subtest-5	Ant.1	23.50	21.00	21.00	23.50	23.50
HSPA+	Ant.1	23.00	20.50	20.50	23.00	23.00
LTE Band2	Ant.0	23.50	23.50	23.50	21.00	21.00
LTE Band2	Ant.1	18.50	18.50	18.50	18.50	18.50
LTE Band4	Ant.0	23.50	23.50	23.50	20.00	20.00
LTE Band4	Ant.1	19.50	18.50	18.50	19.50	19.50
LTE Band4	Ant.4	22.50	22.50	22.50	21.00	21.00
LTE Band5	Ant.0	24.50	24.50	24.50	24.50	24.50
LTE Band5	Ant.1	24.50	22.00	22.00	24.50	24.50
LTE Band7	Ant.0	23.50	23.50	23.50	22.00	22.00
LTE Band7	Ant.1	19.00	19.00	19.00	19.00	19.00
LTE Band7	Ant.4	22.50	22.50	22.50	19.50	19.50
LTE Band12	Ant.0	24.50	24.50	24.50	23.00	23.00
LTE Band12	Ant.1	24.50	24.00	24.00	24.50	24.50
LTE Band13	Ant.0	24.50	24.50	24.50	24.50	24.50
LTE Band13	Ant.1	24.50	24.00	24.00	24.50	24.50
LTE Band17	Ant.0	24.50	24.50	24.50	24.50	24.50
LTE Band17	Ant.1	24.50	24.00	24.00	24.50	24.50
LTE Band26	Ant.0	24.50	24.50	24.50	24.50	24.50
LTE Band26	Ant.1	24.50	22.00	22.00	24.50	24.50
LTE Band66	Ant.0	24.00	24.00	24.00	21.00	21.00
LTE Band66	Ant.1	20.00	19.00	19.00	20.00	20.00
LTE Band66	Ant.4	24.00	24.00	24.00	22.50	22.50
LTE Band38	Ant.0	24.00	24.00	24.00	24.00	24.00
LTE Band38	Ant.1	22.00	21.00	21.00	22.00	22.00
LTE Band38	Ant.4	23.00	23.00	23.00	21.00	21.00
LTE Band41	Ant.0	24.50	24.50	24.50	24.50	24.50
LTE Band41	Ant.1	22.00	21.00	21.00	22.00	22.00
LTE Band41	Ant.4	23.50	23.50	23.50	22.00	22.00
NR Band5	Ant.0	24.20	24.20	24.20	24.20	24.20
NR Band5	Ant.1	24.20	23.20	23.20	24.20	24.20
NR Band7	Ant.0	23.70	23.70	23.70	23.70	23.70
NR Band7	Ant.1	20.70	20.20	20.20	20.70	20.70
NR Band7	Ant.4	22.70	22.70	22.70	20.20	20.20
NR Band38	Ant.0	24.20	24.20	24.20	22.20	22.20
NR Band38	Ant.1	20.20	19.70	19.70	20.20	20.20

NR Band38	Ant.4	23.20	23.20	23.20	19.70	19.70
NR Band41	Ant.0	24.20	24.20	24.20	22.20	22.20
NR Band41	Ant.1	19.20	19.20	19.20	19.20	19.20
NR Band41	Ant.4	23.20	23.20	23.20	19.70	19.70
NR Band66	Ant.0	24.20	24.20	24.20	21.20	21.20
NR Band66	Ant.1	20.20	19.20	19.20	20.20	20.20
NR Band66	Ant.4	23.20	23.20	23.20	23.20	23.20

WWAN Reduced power level table

Reduced State	Receiver state	Transmitting conditions
State2	On (Head scenario)	WWAN Only
State4	On (Head scenario)	WWAN + WLAN 2.4G/WLAN 5G + BT
State1	Off (Body scenario)	WWAN Only
State3	Off (Body scenario)	WWAN + WLAN 2.4G/WLAN 5G + BT

Mode	Band	Antenna	ENDC Antenna				
			Full Power	Head		Body	
				Receiver on		Receiver off	
				State2	State4	State1	State3
DC_66A_n5A	N5	Ant.0	24.20	24.20	24.20	24.20	24.20
	N5	Ant.1	24.20	21.70	21.70	24.20	24.20
	LTE Band66	Ant.0	24.20	24.00	24.00	18.50	18.50
	LTE Band66	Ant.1	18.00	17.50	17.50	18.00	18.00
	LTE Band66	Ant.4	23.00	23.00	23.00	19.00	19.00
DC_2A_n7A	N7	Ant.0	23.70	23.70	23.70	21.20	21.20
	N7	Ant.1	18.70	18.20	18.20	18.70	18.70
	N7	Ant.4	22.70	22.70	22.70	18.20	18.20
	LTE Band2	Ant.0	23.50	23.50	23.50	19.00	19.00
	LTE Band2	Ant.1	17.00	17.00	17.00	16.50	16.50
DC_4A_n7A	N7	Ant.0	23.70	23.70	23.70	21.20	21.20
	N7	Ant.1	18.70	18.20	18.20	18.70	18.70
	N7	Ant.4	22.70	22.70	22.70	18.20	18.20
	LTE Band4	Ant.0	23.50	23.50	23.50	17.50	17.50
	LTE Band4	Ant.1	17.00	16.50	16.50	17.00	17.00
DC_5A_n7A	N7	Ant.0	23.70	23.70	23.70	21.20	21.20
	N7	Ant.1	18.70	18.20	18.20	18.70	18.70
	N7	Ant.4	22.70	22.70	22.70	18.20	18.20
	LTE Band5	Ant.0	24.00	24.00	24.00	22.50	22.50
	LTE Band5	Ant.1	24.00	20.00	20.00	24.00	24.00
DC_66A_n7A	N7	Ant.0	23.70	23.70	23.70	21.20	21.20
	N7	Ant.1	18.70	18.20	18.20	18.70	18.70
	N7	Ant.4	22.70	22.70	22.70	18.20	18.20
	LTE Band66	Ant.0	24.00	24.00	24.00	18.50	18.50

	LTE Band66	Ant.1	18.00	17.50	17.50	18.00	18.00
DC_2A_n66A	N66	Ant.0	24.20	24.20	24.20	19.20	19.20
	N66	Ant.1	17.70	17.20	17.20	17.70	17.70
	N66	Ant.4	23.20	23.20	23.20	20.70	20.70
	LTE Band2	Ant.0	23.50	23.50	23.50	19.00	19.00
	LTE Band2	Ant.1	17.00	17.00	17.00	16.50	16.50
DC_5A_n66A	N66	Ant.0	24.20	24.20	24.20	19.20	19.20
	N66	Ant.1	17.70	17.20	17.20	17.70	17.70
	N66	Ant.4	23.20	23.20	23.20	20.70	20.70
	LTE Band5	Ant.0	24.00	24.00	24.00	22.50	22.50
	LTE Band5	Ant.1	24.00	20.00	20.00	24.00	24.00
DC_7A_n66A	N66	Ant.0	24.20	24.20	24.20	19.20	19.20
	N66	Ant.1	17.70	17.20	17.20	17.70	17.70
	N66	Ant.4	23.20	23.20	23.20	20.70	20.70
	LTE Band7	Ant.0	23.50	23.50	23.50	19.50	19.50
	LTE Band7	Ant.1	17.50	17.50	17.50	17.00	17.00
DC_2A_n38A	N38	Ant.0	24.20	24.20	24.20	20.20	20.20
	N38	Ant.1	18.20	18.20	18.20	17.70	17.70
	N38	Ant.4	23.20	23.20	23.20	17.20	17.20
	LTE Band2	Ant.0	23.50	23.50	23.50	19.00	19.00
	LTE Band2	Ant.1	17.00	17.00	17.00	16.50	16.50
DC_4A_n38A	N38	Ant.0	24.20	24.20	24.20	20.20	20.20
	N38	Ant.1	18.20	18.20	18.20	17.70	17.70
	N38	Ant.4	23.20	23.20	23.20	17.20	17.20
	LTE Band4	Ant.0	23.50	23.50	23.50	17.50	17.50
	LTE Band4	Ant.1	17.00	16.50	16.50	17.00	17.00
DC_5A_n38A	N38	Ant.0	24.20	24.20	24.20	20.20	20.20
	N38	Ant.1	18.20	18.20	18.20	17.70	17.70
	N38	Ant.4	23.20	23.20	23.20	17.20	17.20
	LTE Band5	Ant.0	24.00	24.00	24.00	22.50	22.50
	LTE Band5	Ant.1	24.00	20.00	20.00	24.00	24.00
DC_66A_n38A	N38	Ant.0	24.20	24.20	24.20	20.20	20.20
	N38	Ant.1	18.20	18.20	18.20	17.70	17.70
	N38	Ant.4	23.20	23.20	23.20	17.20	17.20
	LTE Band66	Ant.0	24.00	24.00	24.00	18.50	18.50
	LTE Band66	Ant.1	18.00	17.50	17.50	18.00	18.00
DC_2A_n41A	N41	Ant.0	24.20	24.20	24.20	19.70	19.70
	N41	Ant.1	17.70	17.70	17.70	16.70	16.70

	N41	Ant.4	23.20	23.20	23.20	17.20	17.20
	LTE Band2	Ant.0	23.50	23.50	23.50	19.00	19.00
	LTE Band2	Ant.1	17.00	17.00	17.00	16.50	16.50
DC_26A_n41A	N41	Ant.0	24.20	24.20	24.20	19.70	19.70
	N41	Ant.1	17.70	17.70	17.70	16.70	16.70
	N41	Ant.4	23.20	23.20	23.20	17.20	17.20
	LTE Band26	Ant.0	24.00	24.00	24.00	22.00	22.00
	LTE Band26	Ant.1	24.00	20.00	20.00	24.00	24.00
DC_41A_n41A	N41	Ant.0	24.20	24.20	24.20	19.70	19.70
	N41	Ant.1	17.70	17.70	17.70	16.70	16.70
	N41	Ant.4	23.20	23.20	23.20	17.20	17.20
	LTE Band41	Ant.0	24.00	24.00	24.00	21.50	21.50
	LTE Band41	Ant.1	19.50	19.00	19.00	19.50	19.50
DC_66A_n41A	N41	Ant.0	24.20	24.20	24.20	19.70	19.70
	N41	Ant.1	17.70	17.70	17.70	16.70	16.70
	N41	Ant.4	23.20	23.20	23.20	17.20	17.20
	LTE Band66	Ant.0	24.00	24.00	24.00	18.50	18.50
	LTE Band66	Ant.1	18.00	17.50	17.50	18.00	18.00

WLAN&BT Reduced power level table

Reduced State	Receiver state	Transmitting conditions
Level1	On (Head scenario)	WLAN 2.4G Only WLAN 5G Only
Level2	On (Head scenario)	WWAN+WLAN2.4G WWAN+WLAN5G
Level3	Off (Body scenario)	WLAN 2.4G Only WLAN 5G Only
Level4	Off (Body scenario)	WWAN+WLAN2.4G WWAN+WLAN5G

Mode	WLAN Antenna Chain0				
	Full Power	Head		Body	
		Receiver on		Receiver off	
		Level1	Level2	Level3	Level4
2.4G WLAN 802.11b	18.00	16.50	12.50	18.00	16.00
2.4G WLAN 802.11g	19.00	16.50	12.50	19.00	16.00
2.4G WLAN 802.11n20	19.00	16.50	12.50	19.00	16.00
2.4G WLAN 802.11n40	17.00	16.50	12.50	17.00	16.00
2.4G WLAN 802.11ac20	19.00	16.50	12.50	19.00	16.00
2.4G WLAN 802.11ac40	17.00	16.50	12.50	17.00	16.00
5.2G WLAN 802.11a	19.00	16.50	12.50	19.00	15.50
5.2G WLAN 802.11n20	19.00	16.50	12.50	19.00	15.50
5.2G WLAN 802.11n40	19.00	16.50	12.50	19.00	15.50
5.2G WLAN 802.11ac20	19.00	16.50	12.50	19.00	15.50
5.2G WLAN 802.11ac40	19.00	16.50	12.50	19.00	15.50
5.2G WLAN 802.11ac80	12.50	12.50	12.50	12.50	12.50
5.3G WLAN 802.11a	19.00	16.50	12.50	19.00	15.50
5.3G WLAN 802.11n20	19.00	16.50	12.50	19.00	15.50
5.3G WLAN 802.11n40	19.00	16.50	12.50	19.00	15.50
5.3G WLAN 802.11ac20	19.00	16.50	12.50	19.00	15.50
5.3G WLAN 802.11ac40	19.00	16.50	12.50	19.00	15.50
5.3G WLAN 802.11ac80	12.50	12.50	12.50	12.50	12.50
5.6G WLAN 802.11a	17.50	15.00	11.00	17.50	12.50
5.6G WLAN 802.11n20	17.50	15.00	11.00	17.50	12.50
5.6G WLAN 802.11n40	17.50	15.00	11.00	17.50	12.50
5.6G WLAN 802.11ac20	17.50	15.00	11.00	17.50	12.50
5.6G WLAN 802.11ac40	17.50	15.00	11.00	17.50	12.50

5.6G WLAN 802.11ac80	17.00	15.00	11.00	17.00	12.50
5.8G WLAN 802.11a	16.50	15.00	11.00	16.50	11.50
5.8G WLAN 802.11n20	16.50	15.00	11.00	16.50	11.50
5.8G WLAN 802.11n40	16.50	15.00	11.00	16.50	11.50
5.8G WLAN 802.11ac20	16.50	15.00	11.00	16.50	11.50
5.8G WLAN 802.11ac40	16.50	15.00	11.00	16.50	11.50
5.8G WLAN 802.11ac80	16.50	15.00	11.00	16.50	11.50
Bluetooth	14.00	14.00	14.00	14.00	14.00

10 TEST EXCLUSION CONSIDERATION

Please refer the document “BL-SZ2350513-AA.pdf”.

11 TEST RESULT

11.1 GSM 850

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	1 g Scaled SAR (W/kg)	Meas. No.
Head													
Ant.1	State2&4	DATA	Left Cheek	0	190	836.6	0.19	0.224	28.78	30.00	1.324	0.297	/
	State2&4		Left Tilt	0	190	836.6	-0.01	0.176	28.78	30.00	1.324	0.233	/
	State2&4	2slots	Right Cheek	0	190	836.6	0.15	0.384	28.78	30.00	1.324	0.508	1#
	State2&4		Right Tilt	0	190	836.6	-0.05	0.261	28.78	30.00	1.324	0.346	/
Ant.0	State2&4	DATA	Left Cheek	0	190	836.6	0.07	0.161	32.40	33.50	1.288	0.207	/
	State2&4		Left Tilt	0	190	836.6	0.12	0.092	32.40	33.50	1.288	0.118	/
	State2&4	2slots	Right Cheek	0	190	836.6	-0.14	0.162	32.40	33.50	1.288	0.209	/
	State2&4		Right Tilt	0	190	836.6	0.12	0.079	32.40	33.50	1.288	0.102	/
Body-worn													
Ant.1	State1&3	DATA	Front Side	15	190	836.6	-0.03	0.081	30.31	31.50	1.315	0.107	/
	State1&3	2slots	Back Side	15	190	836.6	0.17	0.095	30.31	31.50	1.315	0.125	/
Ant.0	State1&3		Front Side	15	190	836.6	-0.16	0.088	32.40	33.50	1.288	0.113	/
	State1&3		Back Side	15	190	836.6	0.05	0.104	32.40	33.50	1.288	0.134	2#
Hotspot													
Ant.1	State3	DATA	Front Side	10	190	836.6	-0.11	0.081	30.31	31.50	1.315	0.107	/
	State3		Back Side	10	190	836.6	-0.06	0.101	30.31	31.50	1.315	0.133	/
	State3	2slots	Right Edge	10	190	836.6	0.05	0.077	30.31	31.50	1.315	0.101	/
	State3		Top Edge	10	190	836.6	-0.04	0.105	30.31	31.50	1.315	0.138	/
Ant.0	State3	DATA 2slots	Front Side	10	190	836.6	-0.06	0.129	32.40	33.50	1.288	0.166	/
	State3		Back Side	10	190	836.6	0.07	0.216	32.40	33.50	1.288	0.278	3#
	State3		Left Edge	10	190	836.6	-0.16	0.063	32.40	33.50	1.288	0.081	/
	State3		Right Edge	10	190	836.6	0.19	0.111	32.40	33.50	1.288	0.143	/
	State3		Bottom Edge	10	190	836.6	0.01	0.164	32.40	33.50	1.288	0.211	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.													

11.2 GSM 1900

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head													
Ant.1	State2&4	DATA 2slots	Left Cheek	0	661	1880	-0.12	0.273	24.33	26.00	1.469	0.401	/
	State2&4		Left Tilt	0	661	1880	-0.15	0.366	24.33	26.00	1.469	0.538	/
	State2&4		Right Cheek	0	661	1880	0.17	0.451	24.33	26.00	1.469	0.663	/
	State2&4		Right Tilt	0	661	1880	-0.05	0.557	24.33	26.00	1.469	0.818	4#
	State2&4		Right Tilt	0	810	1909.8	-0.05	0.402	24.00	26.00	1.585	0.637	/
	State2&4		Right Tilt	0	512	1850.2	-0.02	0.483	24.31	26.00	1.476	0.713	/
Ant.0	State2&4	DATA 2slots	Left Cheek	0	661	1880	-0.15	0.062	29.37	30.50	1.297	0.080	/
	State2&4		Left Tilt	0	661	1880	0.13	0.010	29.37	30.50	1.297	0.013	/
	State2&4		Right Cheek	0	661	1880	-0.11	0.016	29.37	30.50	1.297	0.021	/
	State2&4		Right Tilt	0	661	1880	-0.08	0.026	29.37	30.50	1.297	0.034	/
Body-worn													
Ant.1	State1&3	DATA	Front Side	15	661	1880	-0.07	0.053	24.33	26.00	1.469	0.078	/
	State1&3	2slots	Back Side	15	661	1880	0.18	0.108	24.33	26.00	1.469	0.159	5#
Ant.0	State1&3	DATA	Front Side	15	661	1880	-0.11	0.060	26.63	28.00	1.371	0.082	/
	State1&3	2slots	Back Side	15	661	1880	-0.07	0.099	26.63	28.00	1.371	0.136	/
Hotspot													
Ant.1	State3	DATA 2slots	Front Side	10	661	1880	0.05	0.106	24.33	26.00	1.469	0.156	/
	State3		Back Side	10	661	1880	0.13	0.188	24.33	26.00	1.469	0.276	/
	State3		Right Edge	10	661	1880	-0.05	0.027	24.33	26.00	1.469	0.040	/
	State3		Top Edge	10	661	1880	-0.02	0.249	24.33	26.00	1.469	0.366	6#
Ant.0	State3	DATA 2slots	Front Side	10	661	1880	-0.18	0.082	26.63	28.00	1.371	0.112	/
	State3		Back Side	10	661	1880	-0.14	0.192	26.63	28.00	1.371	0.263	/
	State3		Left Edge	10	661	1880	-0.09	0.069	26.63	28.00	1.371	0.095	/
	State3		Right Edge	10	661	1880	0.06	0.030	26.63	28.00	1.371	0.041	/
	State3		Bottom Edge	10	661	1880	0.08	0.263	26.63	28.00	1.371	0.361	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.													

11.3 WCDMA Band 2

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head													
Ant.1	State2&4	RMC	Left Cheek	0	9400	1880	-0.09	0.344	17.24	18.50	1.337	0.460	/
	State2&4		Left Tilt	0	9400	1880	-0.16	0.432	17.24	18.50	1.337	0.578	/
	State2&4		Right Cheek	0	9400	1880	-0.02	0.249	17.24	18.50	1.337	0.333	/
	State2&4		Right Tilt	0	9400	1880	-0.14	0.616	17.24	18.50	1.337	0.824	/
	State2&4		Right Tilt	0	9262	1852.4	0.13	0.534	17.03	18.50	1.403	0.749	/
	State2&4		Right Tilt	0	9538	1907.6	-0.05	0.669	17.32	18.50	1.312	0.878	7#
Ant.0	State2&4	RMC	Left Cheek	0	9400	1880	0.02	0.099	23.06	24.00	1.242	0.123	/
	State2&4		Left Tilt	0	9400	1880	0.11	0.063	23.06	24.00	1.242	0.078	/
	State2&4		Right Cheek	0	9400	1880	-0.06	0.076	23.06	24.00	1.242	0.094	/
	State2&4		Right Tilt	0	9400	1880	-0.08	0.052	23.06	24.00	1.242	0.065	/
Body-worn													
Ant.1	State1&3	RMC	Front Side	15	9400	1880	-0.07	0.056	17.24	18.50	1.337	0.075	/
	State1&3		Back Side	15	9400	1880	0.01	0.121	17.24	18.50	1.337	0.162	8#
Ant.0	State1&3	RMC	Front Side	15	9400	1880	-0.13	0.068	19.11	20.00	1.227	0.083	/
	State1&3		Back Side	15	9400	1880	0.01	0.102	19.11	20.00	1.227	0.125	/
Hotspot													
Ant.1	State3	RMC	Front Side	10	9400	1880	-0.13	0.124	17.24	18.50	1.337	0.166	/
	State3		Back Side	10	9400	1880	-0.04	0.216	17.24	18.50	1.337	0.289	/
	State3		Right Edge	10	9400	1880	0.03	0.032	17.24	18.50	1.337	0.043	/
	State3		Top Edge	10	9400	1880	-0.11	0.256	17.24	18.50	1.337	0.342	/
Ant.0	State3	RMC	Front Side	10	9400	1880	-0.04	0.122	19.11	20.00	1.227	0.150	/
	State3		Back Side	10	9400	1880	0.12	0.176	19.11	20.00	1.227	0.216	/
	State3		Left Edge	10	9400	1880	-0.09	0.077	19.11	20.00	1.227	0.094	/
	State3		Right Edge	10	9400	1880	-0.01	0.031	19.11	20.00	1.227	0.038	/
	State3		Bottom Edge	10	9400	1880	-0.13	0.282	19.11	20.00	1.227	0.346	9#
Note: Refer to ANNEX C for the detailed test data for each test configuration.													

11.4 WCDMA Band 4

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head													
Ant.1	State2&4	RMC	Left Cheek	0	1312	1712.4	-0.04	0.403	16.87	18.50	1.455	0.586	/
	State2&4		Left Tilt	0	1312	1712.4	0.17	0.520	16.87	18.50	1.455	0.757	/
	State2&4		Right Cheek	0	1312	1712.4	-0.14	0.563	16.87	18.50	1.455	0.819	/
	State2&4		Right Tilt	0	1312	1712.4	-0.08	0.712	16.87	18.50	1.455	1.036	10#
	State2&4		Right Tilt	0	1412	1732.4	-0.10	0.644	16.83	18.50	1.469	0.946	/
	State2&4		Right Tilt	0	1513	1752.6	0.12	0.632	16.80	18.50	1.479	0.935	/
Ant.0	State2&4	RMC	Left Cheek	0	1312	1712.4	-0.09	0.089	23.03	24.00	1.250	0.111	/
	State2&4		Left Tilt	0	1312	1712.4	-0.01	0.053	23.03	24.00	1.250	0.066	/
	State2&4		Right Cheek	0	1312	1712.4	0.13	0.068	23.03	24.00	1.250	0.085	/
	State2&4		Right Tilt	0	1312	1712.4	-0.19	0.059	23.03	24.00	1.250	0.074	/
Body-worn													
Ant.1	State1&3	RMC	Front Side	15	1312	1712.4	0.18	0.084	17.83	19.50	1.469	0.123	/
	State1&3		Back Side	15	1312	1712.4	0.15	0.136	17.83	19.50	1.469	0.200	11#
Ant.0	State1&3	RMC	Front Side	15	1312	1712.4	0.06	0.065	19.06	20.00	1.242	0.081	/
	State1&3		Back Side	15	1312	1712.4	0.03	0.114	19.06	20.00	1.242	0.142	/
Hotspot													
Ant.1	State3	RMC	Front Side	10	1312	1712.4	-0.07	0.151	17.83	19.50	1.469	0.222	/
	State3		Back Side	10	1312	1712.4	-0.14	0.223	17.83	19.50	1.469	0.328	/
	State3		Right Edge	10	1312	1712.4	0.07	0.040	17.83	19.50	1.469	0.059	/
	State3		Top Edge	10	1312	1712.4	-0.06	0.346	17.83	19.50	1.469	0.508	12#
Ant.0	State3	RMC	Front Side	10	1312	1712.4	0.14	0.118	19.06	20.00	1.242	0.147	/
	State3		Back Side	10	1312	1712.4	0.13	0.209	19.06	20.00	1.242	0.260	/
	State3		Left Edge	10	1312	1712.4	-0.02	0.061	19.06	20.00	1.242	0.076	/
	State3		Right Edge	10	1312	1712.4	-0.01	0.018	19.06	20.00	1.242	0.022	/
	State3		Bottom Edge	10	1312	1712.4	0.14	0.276	19.06	20.00	1.242	0.343	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.													

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	10g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	10g Scaled SAR (W/kg)	Meas. No.
Specific													
Ant.1	State3	RMC	Top Edge	0	1312	1712.4	-0.18	0.931	17.83	19.50	1.469	1.368	13#
Note: Refer to ANNEX C for the detailed test data for each test configuration.													

11.5 WCDMA Band 5

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head													
Ant.1	State2&4	RMC	Left Cheek	0	4182	836.4	0.17	0.281	20.83	22.00	1.309	0.368	/
	State2&4		Left Tilt	0	4182	836.4	0.16	0.277	20.83	22.00	1.309	0.363	/
	State2&4		Right Cheek	0	4182	836.4	-0.05	0.389	20.83	22.00	1.309	0.509	14#
	State2&4		Right Tilt	0	4182	836.4	-0.14	0.362	20.83	22.00	1.309	0.474	/
Ant.0	State2&4	RMC	Left Cheek	0	4182	836.4	-0.16	0.131	23.41	24.50	1.285	0.168	/
	State2&4		Left Tilt	0	4182	836.4	-0.19	0.064	23.41	24.50	1.285	0.082	/
	State2&4		Right Cheek	0	4182	836.4	0.11	0.110	23.41	24.50	1.285	0.141	/
	State2&4		Right Tilt	0	4182	836.4	0.11	0.051	23.41	24.50	1.285	0.066	/
Body-worn													
Ant.1	State1&3	RMC	Front Side	15	4182	836.4	0.12	0.132	23.20	24.50	1.349	0.178	/
	State1&3		Back Side	15	4182	836.4	-0.12	0.152	23.20	24.50	1.349	0.205	15#
Ant.0	State1&3	RMC	Front Side	15	4182	836.4	0.18	0.077	23.41	24.50	1.285	0.099	/
	State1&3		Back Side	15	4182	836.4	0.09	0.123	23.41	24.50	1.285	0.158	/
Hotspot													
Ant.1	State3	RMC	Front Side	10	4182	836.4	-0.13	0.149	23.20	24.50	1.349	0.201	/
	State3		Back Side	10	4182	836.4	0.03	0.167	23.20	24.50	1.349	0.225	/
	State3		Right Edge	10	4182	836.4	-0.15	0.120	23.20	24.50	1.349	0.162	/
	State3		Top Edge	10	4182	836.4	-0.10	0.173	23.20	24.50	1.349	0.233	/
Ant.0	State3	RMC	Front Side	10	4182	836.4	-0.03	0.116	23.41	24.50	1.285	0.149	/
	State3		Back Side	10	4182	836.4	0.14	0.188	23.41	24.50	1.285	0.242	16#
	State3		Left Edge	10	4182	836.4	-0.04	0.052	23.41	24.50	1.285	0.067	/
	State3		Right Edge	10	4182	836.4	0.15	0.063	23.41	24.50	1.285	0.081	/
	State3		Bottom Edge	10	4182	836.4	-0.10	0.176	23.41	24.50	1.285	0.226	/

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

11.6 LTE Band 2 (20MHz Bandwidth)

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head															
Ant.1	State2&4	QPSK	Left Cheek	0	19100	1900	1	Mid	-0.19	0.366	17.19	18.50	1.352	0.495	/
	State2&4		Left Tilt	0	19100	1900	1	Mid	0.13	0.465	17.19	18.50	1.352	0.629	/
	State2&4		Right Cheek	0	19100	1900	1	Mid	0.14	0.512	17.19	18.50	1.352	0.692	/
	State2&4		Right Tilt	0	19100	1900	1	Mid	-0.11	0.631	17.19	18.50	1.352	0.853	/
	State2&4		Left Cheek	0	19100	1900	50	Mid	-0.05	0.355	17.21	18.50	1.346	0.478	/
	State2&4		Left Tilt	0	19100	1900	50	Mid	0.11	0.456	17.21	18.50	1.346	0.614	/
	State2&4		Right Cheek	0	19100	1900	50	Mid	-0.07	0.521	17.21	18.50	1.346	0.701	/
	State2&4		Right Tilt	0	19100	1900	50	Mid	0.11	0.606	17.21	18.50	1.346	0.816	/
	State2&4		Right Tilt	0	18700	1860	1	High	-0.02	0.547	17.06	18.50	1.393	0.762	/
	State2&4		Right Tilt	0	18900	1880	1	High	-0.17	0.606	17.11	18.50	1.377	0.834	/
	State2&4		Right Tilt	0	18700	1860	50	High	-0.11	0.623	17.05	18.50	1.396	0.870	/
	State2&4		Right Tilt	0	18900	1880	50	Mid	-0.03	0.611	17.12	18.50	1.374	0.840	/
	State2&4		Right Tilt	0	19100	1900	100	Low	-0.08	0.662	17.15	18.50	1.365	0.904	17#
Ant.1	State2&4	ENDC	Left Cheek	0	19100	1900	1	Mid	0.11	0.239	16.67	17.00	1.079	0.258	/
	State2&4		Left Tilt	0	19100	1900	1	Mid	-0.14	0.307	16.67	17.00	1.079	0.331	/
	State2&4		Right Cheek	0	19100	1900	1	Mid	0.05	0.338	16.67	17.00	1.079	0.365	/
	State2&4		Right Tilt	0	19100	1900	1	Mid	0.18	0.396	16.67	17.00	1.079	0.427	/
	State2&4		Left Cheek	0	18900	1880	50	High	0.08	0.232	16.69	17.00	1.074	0.249	/
	State2&4		Left Tilt	0	18900	1880	50	High	0.01	0.296	16.69	17.00	1.074	0.318	/
	State2&4		Right Cheek	0	18900	1880	50	High	0.11	0.336	16.69	17.00	1.074	0.361	/
	State2&4		Right Tilt	0	18900	1880	50	High	-0.16	0.389	16.69	17.00	1.074	0.418	/
Ant.0	State2&4&6	QPSK&E	Left Cheek	0	19100	1900	1	Mid	-0.08	0.085	22.97	23.50	1.130	0.096	/
	State2&4&6		Left Tilt	0	19100	1900	1	Mid	-0.06	0.051	22.97	23.50	1.130	0.058	/
	State2&4&6		Right Cheek	0	19100	1900	1	Mid	0.10	0.066	22.97	23.50	1.130	0.075	/
	State2&4&6		Right Tilt	0	19100	1900	1	Mid	0.04	0.053	22.97	23.50	1.130	0.060	/
	State2&4&6	NDC	Left Cheek	0	19100	1900	50	Mid	-0.12	0.061	21.97	22.50	1.130	0.069	/
	State2&4&6		Left Tilt	0	19100	1900	50	Mid	-0.10	0.038	21.97	22.50	1.130	0.043	/
	State2&4&6		Right Cheek	0	19100	1900	50	Mid	-0.11	0.052	21.97	22.50	1.130	0.059	/
	State2&4&6		Right Tilt	0	19100	1900	50	Mid	0.19	0.039	21.97	22.50	1.130	0.044	/
Body-worn															
Ant.1	State1&3	QPSK	Front Side	15	19100	1900	1	Mid	-0.16	0.063	17.19	18.50	1.352	0.085	/
	State1&3		Back Side	15	19100	1900	1	Mid	0.13	0.128	17.19	18.50	1.352	0.173	18#
	State1&3		Front Side	15	19100	1900	50	Mid	-0.06	0.061	17.21	18.50	1.346	0.082	/
	State1&3		Back Side	15	19100	1900	50	Mid	0.02	0.111	17.21	18.50	1.346	0.149	/
	State1&3	ENDC	Front Side	15	19100	1900	1	Mid	-0.11	0.038	16.08	16.50	1.102	0.042	/
	State1&3		Back Side	15	19100	1900	1	Mid	0.06	0.075	16.08	16.50	1.102	0.083	/

	State1&3		Front Side	15	19100	1900	50	Low	-0.09	0.032	16.15	16.50	1.084	0.035	/
	State1&3		Back Side	15	19100	1900	50	Low	-0.10	0.063	16.15	16.50	1.084	0.068	/
Ant.0	State1&3	QPSK	Front Side	15	19100	1900	1	Mid	-0.15	0.087	20.49	21.00	1.125	0.098	/
	State1&3		Front Side	15	19100	1900	1	Mid	-0.04	0.117	20.49	21.00	1.125	0.132	/
	State1&3		Back Side	15	19100	1900	50	Mid	0.06	0.087	20.52	21.00	1.117	0.097	/
	State1&3		Back Side	15	19100	1900	50	Mid	0.04	0.118	20.52	21.00	1.117	0.132	/
	State1&3	ENDC	Front Side	15	18700	1860	1	Mid	0.13	0.052	18.60	19.00	1.096	0.057	/
	State1&3		Front Side	15	18700	1860	1	Mid	0.11	0.071	18.60	19.00	1.096	0.078	/
	State1&3		Back Side	15	19100	1900	50	High	0.02	0.048	18.64	19.00	1.086	0.052	/
	State1&3		Back Side	15	19100	1900	50	High	-0.17	0.066	18.64	19.00	1.086	0.072	/
Hotspot															
Ant.1	State3	QPSK	Front Side	10	19100	1900	1	Mid	-0.10	0.075	17.19	18.50	1.352	0.101	/
	State3		Back Side	10	19100	1900	1	Mid	0.18	0.155	17.19	18.50	1.352	0.210	/
	State3		Right Edge	10	19100	1900	1	Mid	0.18	0.245	17.19	18.50	1.352	0.331	/
	State3		Top Edge	10	19100	1900	1	Mid	0.05	0.270	17.19	18.50	1.352	0.365	19#
	State3		Front Side	10	19100	1900	50	Mid	0.07	0.088	17.21	18.50	1.346	0.118	/
	State3		Back Side	10	19100	1900	50	Mid	0.06	0.192	17.21	18.50	1.346	0.258	/
	State3		Right Edge	10	19100	1900	50	Mid	-0.02	0.031	17.21	18.50	1.346	0.042	/
	State3		Top Edge	10	19100	1900	50	Mid	-0.01	0.247	17.21	18.50	1.346	0.332	/
Ant.1	State3	ENDC	Front Side	10	19100	1900	1	Mid	-0.18	0.048	16.08	16.50	1.102	0.053	/
	State3		Back Side	10	19100	1900	1	Mid	-0.14	0.099	16.08	16.50	1.102	0.109	/
	State3		Right Edge	10	19100	1900	1	Mid	0.05	0.012	16.08	16.50	1.102	0.013	/
	State3		Top Edge	10	19100	1900	1	Mid	-0.01	0.159	16.08	16.50	1.102	0.175	/
	State3		Front Side	10	19100	1900	50	Low	-0.11	0.058	16.15	16.50	1.084	0.063	/
	State3		Back Side	10	19100	1900	50	Low	0.16	0.121	16.15	16.50	1.084	0.131	/
	State3		Right Edge	10	19100	1900	50	Low	0.07	0.015	16.15	16.50	1.084	0.016	/
	State3		Top Edge	10	19100	1900	50	Low	0.05	0.172	16.15	16.50	1.084	0.186	/
Ant.0	State3	QPSK	Front Side	10	19100	1900	1	Mid	0.10	0.150	20.49	21.00	1.125	0.169	/
	State3		Back Side	10	19100	1900	1	Mid	-0.01	0.212	20.49	21.00	1.125	0.239	/
	State3		Left Edge	10	19100	1900	1	Mid	-0.02	0.064	20.49	21.00	1.125	0.072	/
	State3		Right Edge	10	19100	1900	1	Mid	-0.13	0.031	20.49	21.00	1.125	0.035	/
	State3		Bottom Edge	10	19100	1900	1	Mid	0.15	0.299	20.49	21.00	1.125	0.336	/
	State3		Front Side	10	19100	1900	50	Mid	-0.19	0.137	20.52	21.00	1.117	0.153	/
	State3		Back Side	10	19100	1900	50	Mid	0.15	0.214	20.52	21.00	1.117	0.239	/
	State3		Left Edge	10	19100	1900	50	Mid	-0.13	0.072	20.52	21.00	1.117	0.080	/
	State3		Right Edge	10	19100	1900	50	Mid	-0.12	0.038	20.52	21.00	1.117	0.042	/
	State3		Bottom Edge	10	19100	1900	50	Mid	-0.03	0.299	20.52	21.00	1.117	0.334	/
Ant.0	State3	ENDC	Front Side	10	18700	1860	1	Mid	0.10	0.085	18.60	19.00	1.096	0.093	/
	State3		Back Side	10	18700	1860	1	Mid	0.16	0.126	18.60	19.00	1.096	0.138	/
	State3		Left Edge	10	18700	1860	1	Mid	0.09	0.032	18.60	19.00	1.096	0.035	/
	State3		Right Edge	10	18700	1860	1	Mid	-0.10	0.018	18.60	19.00	1.096	0.020	/
	State3		Bottom Edge	10	18700	1860	1	Mid	0.03	0.174	18.60	19.00	1.096	0.191	/
	State3		Front Side	10	19100	1900	50	High	0.05	0.088	18.64	19.00	1.086	0.096	/

State3		Back Side	10	19100	1900	50	High	-0.19	0.121	18.64	19.00	1.086	0.131	/
State3		Left Edge	10	19100	1900	50	High	-0.17	0.043	18.64	19.00	1.086	0.047	/
State3		Right Edge	10	19100	1900	50	High	-0.07	0.021	18.64	19.00	1.086	0.023	/
State3		Bottom Edge	10	19100	1900	50	High	0.04	0.175	18.64	19.00	1.086	0.190	/

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

11.7 LTE Band 4 (20MHz Bandwidth)

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head															
Ant.1	State2&4	QPSK	Left Cheek	0	20175	1732.5	1	High	-0.03	0.353	16.74	18.50	1.500	0.530	/
	State2&4		Left Tilt	0	20175	1732.5	1	High	0.09	0.424	16.74	18.50	1.500	0.636	/
	State2&4		Right Cheek	0	20175	1732.5	1	High	-0.07	0.566	16.74	18.50	1.500	0.849	/
	State2&4		Right Tilt	0	20175	1732.5	1	High	-0.06	0.685	16.74	18.50	1.500	1.028	20#
	State2&4		Left Cheek	0	20300	1745	50	High	0.14	0.474	16.73	18.50	1.503	0.712	/
	State2&4		Left Tilt	0	20300	1745	50	High	0.02	0.565	16.73	18.50	1.503	0.849	/
	State2&4		Right Cheek	0	20300	1745	50	High	0.00	0.645	16.73	18.50	1.503	0.969	/
	State2&4		Right Tilt	0	20300	1745	50	High	-0.05	0.636	16.73	18.50	1.503	0.956	/
	State2&4		Right Tilt	0	20050	1720	1	High	-0.02	0.274	16.72	18.50	1.507	0.413	/
	State2&4		Right Tilt	0	20300	1745	1	High	-0.09	0.323	16.68	18.50	1.521	0.491	/
	State2&4	Right Tilt	0	20050	1720	50	Mid	0.03	0.416	16.64	18.50	1.535	0.639	/	
	State2&4	Right Tilt	0	20175	1732.5	50	Mid	0.16	0.521	16.65	18.50	1.531	0.798	/	
	State2&4	Right Tilt	0	20300	1745	100	Low	-0.06	0.665	16.67	18.50	1.524	1.013	/	
	State2&4	ENDC	Left Cheek	0	20050	1720	1	Mid	0.16	0.225	15.86	16.50	1.159	0.261	/
	State2&4		Left Tilt	0	20050	1720	1	Mid	-0.06	0.271	15.86	16.50	1.159	0.314	/
	State2&4		Right Cheek	0	20050	1720	1	Mid	-0.03	0.351	15.86	16.50	1.159	0.407	/
	State2&4		Right Tilt	0	20050	1720	1	Mid	-0.05	0.419	15.86	16.50	1.159	0.486	/
	State2&4		Left Cheek	0	20050	1720	50	Low	0.03	0.223	15.92	16.50	1.143	0.255	/
	State2&4		Left Tilt	0	20050	1720	50	Low	-0.01	0.266	15.92	16.50	1.143	0.304	/
	State2&4		Right Cheek	0	20050	1720	50	Low	0.14	0.349	15.92	16.50	1.143	0.399	/
State2&4	Right Tilt		0	20050	1720	50	Low	-0.07	0.417	15.92	16.50	1.143	0.477	/	
Ant.4	State2&4	QPSK	Left Cheek	0	20050	1720	1	High	0.17	0.082	21.52	22.50	1.253	0.103	/
	State2&4		Left Tilt	0	20050	1720	1	High	0.06	0.069	21.52	22.50	1.253	0.086	/
	State2&4		Right Cheek	0	20050	1720	1	High	0.14	0.050	21.52	22.50	1.253	0.063	/
	State2&4		Right Tilt	0	20050	1720	1	High	-0.04	0.043	21.52	22.50	1.253	0.054	/
	State2&4		Left Cheek	0	20050	1720	50	High	0.16	0.059	20.47	21.50	1.268	0.075	/
	State2&4		Left Tilt	0	20050	1720	50	High	0.08	0.044	20.47	21.50	1.268	0.056	/
	State2&4		Right Cheek	0	20050	1720	50	High	-0.12	0.058	20.47	21.50	1.268	0.074	/
	State2&4		Right Tilt	0	20050	1720	50	High	0.06	0.044	20.47	21.50	1.268	0.056	/
Ant.0	State2&4	QPSK&E NDC	Left Cheek	0	20050	1720	1	Mid	-0.18	0.074	22.51	23.50	1.256	0.093	/
	State2&4		Left Tilt	0	20050	1720	1	Mid	-0.08	0.062	22.51	23.50	1.256	0.078	/
	State2&4		Right Cheek	0	20050	1720	1	Mid	0.10	0.054	22.51	23.50	1.256	0.068	/
	State2&4		Right Tilt	0	20050	1720	1	Mid	-0.07	0.063	22.51	23.50	1.256	0.079	/
	State2&4		Left Cheek	0	20300	1745	50	High	-0.16	0.059	21.51	22.50	1.256	0.074	/
	State2&4		Left Tilt	0	20300	1745	50	High	-0.06	0.051	21.51	22.50	1.256	0.064	/
	State2&4		Right Cheek	0	20300	1745	50	High	-0.16	0.056	21.51	22.50	1.256	0.070	/

	State2&4		Right Tilt	0	20300	1745	50	High	-0.11	0.048	21.51	22.50	1.256	0.060	/
Body-worn															
Ant.1	State1&3	QPSK	Front Side	15	20175	1732.5	1	High	-0.16	0.092	17.93	19.50	1.435	0.132	/
	State1&3		Back Side	15	20175	1732.5	1	High	0.07	0.138	17.93	19.50	1.435	0.198	21#
	State1&3		Front Side	15	20300	1745	50	High	-0.13	0.090	17.89	19.50	1.449	0.130	/
	State1&3		Back Side	15	20300	1745	50	High	0.07	0.123	17.89	19.50	1.449	0.178	/
	State1&3	(ENDC)	Front Side	15	20050	1720	1	Mid	-0.01	0.047	16.45	17.00	1.135	0.053	/
	State1&3		Back Side	15	20050	1720	1	Mid	0.16	0.065	16.45	17.00	1.135	0.074	/
	State1&3		Front Side	15	20175	1732.5	50	High	0.04	0.049	16.48	17.00	1.127	0.055	/
	State1&3		Back Side	15	20175	1732.5	50	High	-0.04	0.063	16.48	17.00	1.127	0.071	/
Ant.4	State1&3	QPSK	Front Side	15	20050	1720	1	High	0.04	0.006	19.91	21.00	1.285	0.008	/
	State1&3		Back Side	15	20050	1720	1	High	-0.12	0.038	19.91	21.00	1.285	0.049	/
	State1&3		Front Side	15	20050	1720	50	High	0.18	0.005	19.87	21.00	1.297	0.006	/
	State1&3		Back Side	15	20050	1720	50	High	0.15	0.035	19.87	21.00	1.297	0.045	/
Ant.0	State1&3	QPSK	Front Side	15	20175	1732.5	1	High	0.14	0.077	18.97	20.00	1.268	0.098	/
	State1&3		Back Side	15	20175	1732.5	1	High	0.16	0.116	18.97	20.00	1.268	0.147	/
	State1&3		Front Side	15	20300	1745	50	High	-0.13	0.074	18.95	20.00	1.274	0.094	/
	State1&3		Back Side	15	20300	1745	50	High	-0.18	0.114	18.95	20.00	1.274	0.145	/
	State1&3	ENDC	Front Side	15	20300	1745	1	Mid	-0.13	0.039	16.75	17.50	1.189	0.046	/
	State1&3		Back Side	15	20300	1745	1	Mid	-0.15	0.061	16.75	17.50	1.189	0.073	/
	State1&3		Front Side	15	20175	1732.5	50	Mid	-0.08	0.038	16.68	17.50	1.208	0.046	/
	State1&3		Back Side	15	20175	1732.5	50	Mid	-0.14	0.058	16.68	17.50	1.208	0.070	/
Hotspot															
Ant.1	State3	QPSK	Front Side	10	20175	1732.5	1	High	-0.12	0.135	17.93	19.50	1.435	0.194	/
	State3		Back Side	10	20175	1732.5	1	High	-0.19	0.206	17.93	19.50	1.435	0.296	/
	State3		Right Edge	10	20175	1732.5	1	High	0.15	0.031	17.93	19.50	1.435	0.044	/
	State3		Top Edge	10	20175	1732.5	1	High	-0.08	0.332	17.93	19.50	1.435	0.476	/
	State3		Front Side	10	20300	1745	50	High	-0.02	0.156	17.89	19.50	1.449	0.226	/
	State3		Back Side	10	20300	1745	50	High	-0.13	0.213	17.89	19.50	1.449	0.309	/
	State3		Right Edge	10	20300	1745	50	High	0.16	0.042	17.89	19.50	1.449	0.061	/
	State3		Top Edge	10	20300	1745	50	High	0.00	0.343	17.89	19.50	1.449	0.497	22#
	State3	(ENDC)	Front Side	10	20050	1720	1	Mid	0.16	0.105	16.45	17.00	1.135	0.119	/
	State3		Back Side	10	20050	1720	1	Mid	0.01	0.151	16.45	17.00	1.135	0.171	/
	State3		Right Edge	10	20050	1720	1	Mid	-0.16	0.023	16.45	17.00	1.135	0.026	/
	State3		Top Edge	10	20050	1720	1	Mid	0.14	0.228	16.45	17.00	1.135	0.259	/
	State3		Front Side	10	20175	1732.5	50	High	0.13	0.106	16.48	17.00	1.127	0.119	/
	State3		Back Side	10	20175	1732.5	50	High	0.14	0.145	16.48	17.00	1.127	0.163	/
	State3		Right Edge	10	20175	1732.5	50	High	0.06	0.024	16.48	17.00	1.127	0.027	/
	State3		Top Edge	10	20175	1732.5	50	High	0.04	0.242	16.48	17.00	1.127	0.273	/
Ant.4	State3	QPSK	Front Side	10	20175	1732.5	1	High	-0.18	0.012	19.91	21.00	1.285	0.015	/
	State3		Back Side	10	20175	1732.5	1	High	0.00	0.086	19.91	21.00	1.285	0.111	/
	State3		Right Edge	10	20175	1732.5	1	High	-0.17	0.067	19.91	21.00	1.285	0.086	/
	State3		Top Edge	10	20175	1732.5	1	High	0.12	0.002	19.91	21.00	1.285	0.003	/

	State3		Front Side	10	20175	1732.5	50	High	0.18	0.011	19.87	21.00	1.297	0.014	/
	State3		Back Side	10	20175	1732.5	50	High	-0.04	0.088	19.87	21.00	1.297	0.114	/
	State3		Right Edge	10	20175	1732.5	50	High	0.18	0.084	19.87	21.00	1.297	0.109	/
	State3		Top Edge	10	20175	1732.5	50	High	0.17	0.003	19.87	21.00	1.297	0.004	/
Ant.0	State3	QPSK	Front Side	10	20175	1732.5	1	High	0.05	0.134	18.97	20.00	1.268	0.170	/
	State3		Back Side	10	20175	1732.5	1	High	0.05	0.205	18.97	20.00	1.268	0.260	/
	State3		Left Edge	10	20175	1732.5	1	High	-0.17	0.059	18.97	20.00	1.268	0.075	/
	State3		Right Edge	10	20175	1732.5	1	High	-0.07	0.043	18.97	20.00	1.268	0.055	/
	State3		Bottom Edge	10	20175	1732.5	1	High	-0.13	0.342	18.97	20.00	1.268	0.434	/
	State3		Front Side	10	20300	1745	50	High	0.17	0.130	18.95	20.00	1.274	0.166	/
	State3		Back Side	10	20300	1745	50	High	0.19	0.210	18.95	20.00	1.274	0.268	/
	State3		Left Edge	10	20300	1745	50	High	-0.01	0.061	18.95	20.00	1.274	0.078	/
	State3		Right Edge	10	20300	1745	50	High	-0.01	0.040	18.95	20.00	1.274	0.051	/
	State3		Bottom Edge	10	20300	1745	50	High	0.12	0.341	18.95	20.00	1.274	0.434	/
Ant.0	State3	ENDC	Front Side	10	20300	1745	1	Mid	-0.18	0.068	16.75	17.50	1.189	0.081	/
	State3		Back Side	10	20300	1745	1	Mid	0.03	0.106	16.75	17.50	1.189	0.126	/
	State3		Left Edge	10	20300	1745	1	Mid	0.02	0.028	16.75	17.50	1.189	0.033	/
	State3		Right Edge	10	20300	1745	1	Mid	-0.03	0.021	16.75	17.50	1.189	0.025	/
	State3		Bottom Edge	10	20300	1745	1	Mid	-0.05	0.185	16.75	17.50	1.189	0.220	/
	State3		Front Side	10	20175	1732.5	50	Mid	0.10	0.063	16.68	17.50	1.208	0.076	/
	State3		Back Side	10	20175	1732.5	50	Mid	-0.09	0.109	16.68	17.50	1.208	0.132	/
	State3		Left Edge	10	20175	1732.5	50	Mid	0.11	0.031	16.68	17.50	1.208	0.037	/
	State3		Right Edge	10	20175	1732.5	50	Mid	-0.15	0.018	16.68	17.50	1.208	0.022	/
	State3		Bottom Edge	10	20175	1732.5	50	Mid	0.19	0.179	16.68	17.50	1.208	0.216	/

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

11.8 LTE Band 5 (10MHz Bandwidth)

Antenna	Power Reduction	Mode	Position	Dis. t. (m)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-po wer (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head															
Ant.1	State2&4	QPSK	Left Cheek	0	20525	836.5	1	Mid	-0.19	0.331	20.65	22.00	1.365	0.452	/
	State2&4		Left Tilt	0	20525	836.5	1	Mid	0.19	0.323	20.65	22.00	1.365	0.441	/
	State2&4		Right Cheek	0	20525	836.5	1	Mid	-0.17	0.473	20.65	22.00	1.365	0.646	23#
	State2&4		Right Tilt	0	20525	836.5	1	Mid	0.00	0.434	20.65	22.00	1.365	0.592	/
	State2&4		Left Cheek	0	20525	836.5	25	Mid	0.17	0.329	20.64	22.00	1.368	0.450	/
	State2&4		Left Tilt	0	20525	836.5	25	Mid	0.08	0.321	20.64	22.00	1.368	0.439	/
	State2&4		Right Cheek	0	20525	836.5	25	Mid	0.05	0.458	20.64	22.00	1.368	0.627	/
	State2&4		Right Tilt	0	20525	836.5	25	Mid	0.03	0.434	20.64	22.00	1.368	0.594	/
	State2&4	QPSK (ENDC)	Left Cheek	0	20450	829	1	Low	-0.03	0.212	19.39	20.00	1.151	0.244	/
	State2&4		Left Tilt	0	20450	829	1	Low	0.14	0.206	19.39	20.00	1.151	0.237	/
	State2&4		Right Cheek	0	20450	829	1	Low	0.18	0.313	19.39	20.00	1.151	0.360	/
	State2&4		Right Tilt	0	20450	829	1	Low	0.09	0.306	19.39	20.00	1.151	0.352	/
	State2&4		Left Cheek	0	20525	836.5	25	High	-0.09	0.223	19.33	20.00	1.167	0.260	/
	State2&4		Left Tilt	0	20525	836.5	25	High	-0.19	0.217	19.33	20.00	1.167	0.253	/
	State2&4		Right Cheek	0	20525	836.5	25	High	0.05	0.304	19.33	20.00	1.167	0.355	/
	State2&4		Right Tilt	0	20525	836.5	25	High	0.01	0.311	19.33	20.00	1.167	0.363	/
Ant.0	State2&4	QPSK&E	Left Cheek	0	20525	836.5	1	Mid	0.05	0.124	23.35	24.50	1.303	0.162	/
	State2&4		Left Tilt	0	20525	836.5	1	Mid	0.02	0.059	23.35	24.50	1.303	0.077	/
	State2&4		Right Cheek	0	20525	836.5	1	Mid	0.13	0.102	23.35	24.50	1.303	0.133	/
	State2&4		Right Tilt	0	20525	836.5	1	Mid	-0.02	0.021	23.35	24.50	1.303	0.027	/
	State2&4	NDC	Left Cheek	0	20525	836.5	25	Low	0.01	0.107	22.34	23.50	1.306	0.140	/
	State2&4		Left Tilt	0	20525	836.5	25	Low	0.13	0.050	22.34	23.50	1.306	0.065	/
	State2&4		Right Cheek	0	20525	836.5	25	Low	-0.05	0.084	22.34	23.50	1.306	0.110	/
	State2&4		Right Tilt	0	20525	836.5	25	Low	-0.01	0.019	22.34	23.50	1.306	0.025	/
Body-worn															
Ant.1	State1&3	QPSK&E	Front Side	15	20525	836.5	1	Mid	0.01	0.127	23.06	24.50	1.393	0.177	/
	State1&3		Front Side	15	20525	836.5	1	Mid	-0.08	0.147	23.06	24.50	1.393	0.205	24#
	State1&3	DNC	Back Side	15	20525	836.5	25	High	0.16	0.101	22.03	23.50	1.403	0.142	/
	State1&3		Back Side	15	20525	836.5	25	High	-0.04	0.135	22.03	23.50	1.403	0.189	/
Ant.0	State1&3	QPSK	Front Side	15	20525	836.5	1	Mid	-0.07	0.071	23.35	24.50	1.303	0.093	/
	State1&3		Front Side	15	20525	836.5	1	Mid	0.11	0.115	23.35	24.50	1.303	0.150	/
	State1&3		Back Side	15	20525	836.5	25	Low	0.04	0.058	22.34	23.50	1.306	0.076	/
	State1&3		Back Side	15	20525	836.5	25	Low	0.03	0.098	22.34	23.50	1.306	0.128	/
Ant.0	State1&3	QPSK (ENDC)	Front Side	15	20600	844	1	High	0.13	0.050	22.06	22.50	1.107	0.055	/
	State1&3		Front Side	15	20600	844	1	High	-0.06	0.079	22.06	22.50	1.107	0.087	/
	State1&3		Back Side	15	20525	836.5	25	High	0.08	0.051	22.06	22.50	1.107	0.056	/

	State1&3		Back Side	15	20525	836.5	25	High	0.02	0.081	22.06	22.50	1.107	0.090	/
Hotspot															
Ant.1	State3	QPSK&E	Front Side	10	20525	836.5	1	Mid	0.07	0.183	23.06	24.50	1.393	0.255	/
	State3		Back Side	10	20525	836.5	1	Mid	-0.17	0.191	23.06	24.50	1.393	0.266	/
	State3		Right Edge	10	20525	836.5	1	Mid	0.13	0.140	23.06	24.50	1.393	0.195	/
	State3		Top Edge	10	20525	836.5	1	Mid	-0.07	0.189	23.06	24.50	1.393	0.263	/
	State3	DNC	Front Side	10	20525	836.5	25	High	-0.15	0.145	22.03	23.50	1.403	0.203	/
	State3		Back Side	10	20525	836.5	25	High	0.00	0.169	22.03	23.50	1.403	0.237	/
	State3		Right Edge	10	20525	836.5	25	High	0.14	0.115	22.03	23.50	1.403	0.161	/
	State3		Top Edge	10	20525	836.5	25	High	-0.01	0.160	22.03	23.50	1.403	0.224	/
Ant.0	State3	QPSK	Front Side	10	20525	836.5	1	Mid	0.12	0.116	23.35	24.50	1.303	0.151	/
	State3		Back Side	10	20525	836.5	1	Mid	-0.08	0.212	23.35	24.50	1.303	0.276	25#
	State3		Left Edge	10	20525	836.5	1	Mid	0.12	0.048	23.35	24.50	1.303	0.063	/
	State3		Right Edge	10	20525	836.5	1	Mid	0.02	0.072	23.35	24.50	1.303	0.094	/
	State3		Bottom Edge	10	20525	836.5	1	Mid	0.10	0.161	23.35	24.50	1.303	0.210	/
	State3		Front Side	10	20525	836.5	25	Low	-0.19	0.085	22.34	23.50	1.306	0.111	/
	State3		Back Side	10	20525	836.5	25	Low	-0.07	0.163	22.34	23.50	1.306	0.213	/
	State3		Left Edge	10	20525	836.5	25	Low	-0.07	0.041	22.34	23.50	1.306	0.054	/
	State3		Right Edge	10	20525	836.5	25	Low	0.02	0.058	22.34	23.50	1.306	0.076	/
	State3		Bottom Edge	10	20525	836.5	25	Low	0.12	0.116	22.34	23.50	1.306	0.151	/
Ant.0	State3	QPSK (ENDC)	Front Side	10	20600	844	1	High	0.17	0.068	22.06	22.50	1.107	0.075	/
	State3		Back Side	10	20600	844	1	High	0.07	0.116	22.06	22.50	1.107	0.128	/
	State3		Left Edge	10	20600	844	1	High	0.07	0.031	22.06	22.50	1.107	0.034	/
	State3		Right Edge	10	20600	844	1	High	-0.02	0.041	22.06	22.50	1.107	0.045	/
	State3		Bottom Edge	10	20600	844	1	High	-0.06	0.092	22.06	22.50	1.107	0.102	/
	State3		Front Side	10	20525	836.5	25	High	0.03	0.065	22.06	22.50	1.107	0.072	/
	State3		Back Side	10	20525	836.5	25	High	-0.04	0.116	22.06	22.50	1.107	0.128	/
	State3		Left Edge	10	20525	836.5	25	High	-0.07	0.031	22.06	22.50	1.107	0.034	/
	State3		Right Edge	10	20525	836.5	25	High	0.01	0.041	22.06	22.50	1.107	0.045	/
	State3		Bottom Edge	10	20525	836.5	25	High	-0.05	0.088	22.06	22.50	1.107	0.097	/

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

11.9 LTE Band 7 (20MHz Bandwidth)

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head															
Ant. 1	State2&4	QPSK	Left Cheek	0	21100	2535	1	Mid	0.13	0.255	17.62	19.00	1.374	0.350	/
	State2&4		Left Tilt	0	21100	2535	1	Mid	-0.03	0.241	17.62	19.00	1.374	0.331	/
	State2&4		Right Cheek	0	21100	2535	1	Mid	-0.14	0.656	17.62	19.00	1.374	0.901	/
	State2&4		Right Tilt	0	21100	2535	1	Mid	0.08	0.661	17.62	19.00	1.374	0.908	/
	State2&4		Left Cheek	0	21100	2535	50	Mid	-0.09	0.247	17.63	19.00	1.371	0.339	/
	State2&4		Left Tilt	0	21100	2535	50	Mid	-0.14	0.226	17.63	19.00	1.371	0.310	/
	State2&4		Right Cheek	0	21100	2535	50	Mid	0.15	0.702	17.63	19.00	1.371	0.962	/
	State2&4		Right Tilt	0	21100	2535	50	Mid	0.19	0.685	17.63	19.00	1.371	0.939	/
	State2&4		Right Cheek	0	20850	2510	1	High	-0.03	0.623	17.60	19.00	1.380	0.860	/
	State2&4		Right Cheek	0	21350	2560	1	High	-0.06	0.636	17.52	19.00	1.406	0.894	/
	State2&4	Right Cheek	0	20850	2510	50	Mid	0.07	0.727	17.61	19.00	1.377	1.001	/	
	State2&4	Right Cheek	0	21350	2560	50	Low	0.13	0.718	17.54	19.00	1.400	1.005	26#	
	State2&4	Right Cheek	0	21100	2535	100	Low	-0.05	0.630	17.60	19.00	1.380	0.869	/	
	State2&4	QPSK (ENDC)	Left Cheek	0	21100	2535	1	Mid	-0.18	0.161	16.72	17.50	1.197	0.193	/
	State2&4		Left Tilt	0	21100	2535	1	Mid	0.01	0.143	16.72	17.50	1.197	0.171	/
	State2&4		Right Cheek	0	21100	2535	1	Mid	0.16	0.417	16.72	17.50	1.197	0.499	/
	State2&4		Right Tilt	0	21100	2535	1	Mid	0.10	0.409	16.72	17.50	1.197	0.490	/
	State2&4		Left Cheek	0	20850	2510	50	Mid	-0.02	0.163	16.71	17.50	1.199	0.195	/
	State2&4		Left Tilt	0	20850	2510	50	Mid	-0.10	0.145	16.71	17.50	1.199	0.174	/
	State2&4		Right Cheek	0	20850	2510	50	Mid	0.00	0.430	16.71	17.50	1.199	0.516	/
State2&4	Right Tilt		0	20850	2510	50	Mid	-0.08	0.414	16.71	17.50	1.199	0.496	/	
Ant. 4	State2&4	QPSK&ED	Left Cheek	0	20850	2510	1	Low	0.02	0.095	20.63	22.50	1.538	0.146	/
	State2&4		Left Tilt	0	20850	2510	1	Low	-0.17	0.047	20.63	22.50	1.538	0.072	/
	State2&4		Right Cheek	0	20850	2510	1	Low	0.19	0.176	20.63	22.50	1.538	0.271	/
	State2&4		Right Tilt	0	20850	2510	1	Low	0.00	0.043	20.63	22.50	1.538	0.066	/
	State2&4	NC	Left Cheek	0	21100	2535	50	High	0.19	0.073	19.59	21.50	1.552	0.113	/
	State2&4		Left Tilt	0	21100	2535	50	High	-0.19	0.031	19.59	21.50	1.552	0.048	/
	State2&4		Right Cheek	0	21100	2535	50	High	0.13	0.145	19.59	21.50	1.552	0.225	/
	State2&4		Right Tilt	0	21100	2535	50	High	0.12	0.033	19.59	21.50	1.552	0.051	/
Ant. 0	State2&4	QPSK	Left Cheek	0	20850	2510	1	Mid	0.19	0.118	22.49	23.50	1.262	0.149	/
	State2&4		Left Tilt	0	20850	2510	1	Mid	0.13	0.261	22.49	23.50	1.262	0.329	/
	State2&4		Right Cheek	0	20850	2510	1	Mid	0.13	0.096	22.49	23.50	1.262	0.121	/
	State2&4		Right Tilt	0	20850	2510	1	Mid	-0.16	0.204	22.49	23.50	1.262	0.257	/
	State2&4		Left Cheek	0	20850	2510	50	High	0.07	0.092	21.47	22.50	1.268	0.117	/
	State2&4		Left Tilt	0	20850	2510	50	High	0.09	0.229	21.47	22.50	1.268	0.290	/
	State2&4		Right Cheek	0	20850	2510	50	High	0.05	0.073	21.47	22.50	1.268	0.093	/

	State2&4		Right Tilt	0	20850	2510	50	High	0.18	0.188	21.47	22.50	1.268	0.238	/
Body-worn															
Ant. 1	State1&3	QPSK	Front Side	15	21100	2535	1	High	-0.17	0.081	17.62	19.00	1.374	0.111	/
	State1&3		Back Side	15	21100	2535	1	High	-0.02	0.133	17.62	19.00	1.374	0.183	/
	State1&3		Front Side	15	21100	2535	50	Mid	-0.19	0.083	17.63	19.00	1.371	0.114	/
	State1&3		Back Side	15	21100	2535	50	Mid	-0.18	0.132	17.63	19.00	1.371	0.181	/
	State1&3	QPSK (ENDC)	Front Side	15	20850	2510	1	Low	-0.07	0.048	16.32	17.00	1.169	0.056	/
	State1&3		Back Side	15	20850	2510	1	Low	0.10	0.075	16.32	17.00	1.169	0.088	/
	State1&3		Front Side	15	21350	2560	50	High	0.18	0.049	16.32	17.00	1.169	0.057	/
	State1&3		Back Side	15	21350	2560	50	High	0.05	0.073	16.32	17.00	1.169	0.085	/
Ant. 4	State1&3	QPSK	Front Side	15	21100	2535	1	High	0.14	0.031	17.60	19.50	1.549	0.048	/
	State1&3		Back Side	15	21100	2535	1	High	0.17	0.067	17.60	19.50	1.549	0.104	/
	State1&3		Front Side	15	21100	2535	50	High	-0.07	0.033	17.62	19.50	1.542	0.051	/
	State1&3		Back Side	15	21100	2535	50	High	0.17	0.068	17.62	19.50	1.542	0.105	/
	State1&3	QPSK (ENDC)	Front Side	15	20850	2510	1	Mid	-0.17	0.016	15.97	17.00	1.268	0.020	/
	State1&3		Back Side	15	20850	2510	1	Mid	0.15	0.035	15.97	17.00	1.268	0.044	/
	State1&3		Front Side	15	20850	2510	50	High	-0.04	0.018	16.02	17.00	1.253	0.023	/
	State1&3		Back Side	15	20850	2510	50	High	0.03	0.033	16.02	17.00	1.253	0.041	/
Ant. 0	State1&3	QPSK	Front Side	15	20850	2510	1	Mid	-0.04	0.110	20.98	22.00	1.265	0.139	/
	State1&3		Back Side	15	20850	2510	1	Mid	0.01	0.195	20.98	22.00	1.265	0.247	28#
	State1&3		Front Side	15	20850	2510	50	High	0.02	0.106	20.96	22.00	1.271	0.135	/
	State1&3		Back Side	15	20850	2510	50	High	0.10	0.185	20.96	22.00	1.271	0.235	/
	State1&3	QPSK(EN DC)	Front Side	15	20850	2510	1	Low	-0.16	0.062	18.81	19.50	1.172	0.073	/
	State1&3		Back Side	15	20850	2510	1	Low	-0.01	0.093	18.81	19.50	1.172	0.109	/
	State1&3		Front Side	15	20850	2510	50	High	0.05	0.066	18.79	19.50	1.178	0.078	/
	State1&3		Back Side	15	20850	2510	50	High	0.09	0.093	18.79	19.50	1.178	0.110	/
Hotspot															
Ant. 1	State3	QPSK	Front Side	10	21100	2535	1	Mid	-0.05	0.155	17.62	19.00	1.374	0.213	/
	State3		Back Side	10	21100	2535	1	Mid	-0.10	0.283	17.62	19.00	1.374	0.389	/
	State3		Right Edge	10	21100	2535	1	Mid	0.11	0.204	17.62	19.00	1.374	0.280	/
	State3		Top Edge	10	21100	2535	1	Mid	-0.09	0.131	17.62	19.00	1.374	0.180	/
	State3		Front Side	10	21100	2535	50	Mid	0.19	0.143	17.63	19.00	1.371	0.196	/
	State3		Back Side	10	21100	2535	50	Mid	0.10	0.288	17.63	19.00	1.371	0.395	/
	State3		Right Edge	10	21100	2535	50	Mid	0.18	0.197	17.63	19.00	1.371	0.270	/
	State3		Top Edge	10	21100	2535	50	Mid	0.19	0.125	17.63	19.00	1.371	0.171	/
	State3	QPSK (ENDC)	Front Side	10	20850	2510	1	Low	-0.05	0.048	16.32	17.00	1.169	0.056	/
	State3		Back Side	10	20850	2510	1	Low	-0.09	0.091	16.32	17.00	1.169	0.106	/
	State3		Right Edge	10	20850	2510	1	Low	-0.15	0.055	16.32	17.00	1.169	0.064	/
	State3		Top Edge	10	20850	2510	1	Low	-0.13	0.028	16.32	17.00	1.169	0.033	/
	State3		Front Side	10	21350	2560	50	High	-0.02	0.047	16.32	17.00	1.169	0.055	/
	State3		Back Side	10	21350	2560	50	High	-0.05	0.088	16.32	17.00	1.169	0.103	/
Ant. 4	State3	QPSK	Front Side	10	21100	2535	1	High	0.18	0.011	17.60	19.50	1.549	0.017	/
	State3		Back Side	10	21100	2535	1	High	0.00	0.174	17.60	19.50	1.549	0.270	/

	State3		Right Edge	10	21100	2535	1	High	-0.08	0.154	17.60	19.50	1.549	0.239	/
	State3		Top Edge	10	21100	2535	1	High	-0.09	0.006	17.60	19.50	1.549	0.009	/
	State3		Front Side	10	21100	2535	50	High	0.17	0.003	17.62	19.50	1.542	0.005	/
	State3		Back Side	10	21100	2535	50	High	-0.18	0.176	17.62	19.50	1.542	0.271	/
	State3		Right Edge	10	21100	2535	50	High	-0.04	0.144	17.62	19.50	1.542	0.222	/
	State3		Top Edge	10	21100	2535	50	High	-0.16	0.005	17.62	19.50	1.542	0.008	/
	State3	QPSK (ENDC)	Front Side	10	20850	2510	1	Mid	0.09	0.092	15.97	17.00	1.268	0.117	/
	State3		Back Side	10	20850	2510	1	Mid	0.06	0.083	15.97	17.00	1.268	0.105	/
	State3		Right Edge	10	20850	2510	1	Mid	0.10	0.002	15.97	17.00	1.268	0.003	/
	State3		Top Edge	10	20850	2510	1	Mid	-0.02	0.001	15.97	17.00	1.268	0.001	/
	State3		Front Side	10	20850	2510	50	High	0.03	0.093	16.02	17.00	1.253	0.117	/
	State3		Back Side	10	20850	2510	50	High	0.08	0.075	16.02	17.00	1.253	0.094	/
	State3		Right Edge	10	20850	2510	50	High	-0.08	0.002	16.02	17.00	1.253	0.003	/
	State3		Top Edge	10	20850	2510	50	High	0.00	0.001	16.02	17.00	1.253	0.001	/
Ant.0	State3	QPSK	Front Side	10	20850	2510	1	Mid	0.08	0.217	20.98	22.00	1.265	0.275	/
	State3		Back Side	10	20850	2510	1	Mid	-0.06	0.331	20.98	22.00	1.265	0.419	/
	State3		Left Edge	10	20850	2510	1	Mid	-0.13	0.145	20.98	22.00	1.265	0.183	/
	State3		Right Edge	10	20850	2510	1	Mid	0.06	0.011	20.98	22.00	1.265	0.014	/
	State3		Bottom Edge	10	20850	2510	1	Mid	0.14	0.166	20.98	22.00	1.265	0.210	/
	State3		Front Side	10	20850	2510	50	High	0.03	0.217	20.96	22.00	1.271	0.276	/
	State3		Back Side	10	20850	2510	50	High	0.04	0.344	20.96	22.00	1.271	0.437	30#
	State3		Left Edge	10	20850	2510	50	High	0.08	0.143	20.96	22.00	1.271	0.182	/
	State3		Right Edge	10	20850	2510	50	High	0.04	0.012	20.96	22.00	1.271	0.015	/
	State3		Bottom Edge	10	20850	2510	50	High	0.10	0.166	20.96	22.00	1.271	0.211	/
Ant.0	State3	QPSK (ENDC)	Front Side	10	20850	2510	1	Low	-0.07	0.116	18.81	19.50	1.172	0.136	/
	State3		Back Side	10	20850	2510	1	Low	-0.15	0.171	18.81	19.50	1.172	0.200	/
	State3		Left Edge	10	20850	2510	1	Low	-0.05	0.074	18.81	19.50	1.172	0.087	/
	State3		Right Edge	10	20850	2510	1	Low	-0.07	0.009	18.81	19.50	1.172	0.011	/
	State3		Bottom Edge	10	20850	2510	1	Low	-0.02	0.085	18.81	19.50	1.172	0.100	/
	State3		Front Side	10	20850	2510	50	High	0.08	0.114	18.79	19.50	1.178	0.134	/
	State3		Back Side	10	20850	2510	50	High	-0.10	0.172	18.79	19.50	1.178	0.203	/
	State3		Left Edge	10	20850	2510	50	High	0.06	0.072	18.79	19.50	1.178	0.085	/
	State3		Right Edge	10	20850	2510	50	High	-0.19	0.010	18.79	19.50	1.178	0.012	/
	State3		Bottom Edge	10	20850	2510	50	High	-0.14	0.085	18.79	19.50	1.178	0.100	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.															

11.10 LTE Band 7 Worse case for CA Test

Antenna	DSI State	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune power (dBm)	Scaling Factor	1g Report SAR (W/kg)	Meas. No.
Head-CA															
ANT1	State2	QPSK	Right Cheek	0	21100 +21298	2535 +2554.8	1+1	High +Low	-0.07	0.801	18.30	19.00	1.175	0.941	/
	State2			0	20850 +21048	2510 +2529.8	1+1	High +Low	-0.01	0.808	18.54	19.00	1.112	0.898	/
	State2			0	21350 +21152	2560 +2540.2	1+1	Low +High	-0.07	0.843	18.52	19.00	1.117	0.942	27#
Body-worn-CA															
Ant.0	State1&3	QPSK	Back Side	15	20850 +21048	2510 +2529.8	1+1	High +Low	-0.06	0.152	21.05	22.00	1.245	0.189	29#
Hotspot-CA															
Ant.0	State3	QPSK	Back Side	10	20850 +21048	2510 +2529.8	1+1	High +Low	0.03	0.277	21.05	22.00	1.245	0.345	31#
Note: Refer to ANNEX C for the detailed test data for each test configuration.															

11.11 LTE Band 12 (10MHz Bandwidth)

Antenna	Power Reduction	Mode	Position	Dist (m)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head															
Ant. 1	State2&4	QPSK	Left Cheek	0	23095	707.5	1	High	-0.16	0.323	22.62	24.00	1.374	0.444	/
	State2&4		Left Tilt	0	23095	707.5	1	High	0.10	0.332	22.62	24.00	1.374	0.456	/
	State2&4		Right Cheek	0	23095	707.5	1	High	-0.17	0.566	22.62	24.00	1.374	0.778	32#
	State2&4		Right Tilt	0	23095	707.5	1	High	-0.17	0.535	22.62	24.00	1.374	0.735	/
	State2&4		Left Cheek	0	23095	707.5	25	High	0.12	0.319	22.12	23.50	1.374	0.438	/
	State2&4		Left Tilt	0	23095	707.5	25	High	0.15	0.332	22.12	23.50	1.374	0.456	/
	State2&4		Right Cheek	0	23095	707.5	25	High	0.14	0.514	22.12	23.50	1.374	0.706	/
	State2&4		Right Tilt	0	23095	707.5	25	High	-0.01	0.506	22.12	23.50	1.374	0.695	/
Ant. 0	State2&4	QPSK	Left Cheek	0	23095	707.5	1	High	-0.09	0.093	23.31	24.50	1.315	0.122	/
	State2&4		Left Tilt	0	23095	707.5	1	High	0.09	0.047	23.31	24.50	1.315	0.062	/
	State2&4		Right Cheek	0	23095	707.5	1	High	0.04	0.071	23.31	24.50	1.315	0.093	/
	State2&4		Right Tilt	0	23095	707.5	1	High	-0.19	0.021	23.31	24.50	1.315	0.028	/
	State2&4		Left Cheek	0	23095	707.5	25	Low	0.09	0.075	22.33	23.50	1.309	0.098	/
	State2&4		Left Tilt	0	23095	707.5	25	Low	-0.06	0.000	22.33	23.50	1.309	0.000	/
	State2&4		Right Cheek	0	23095	707.5	25	Low	-0.10	0.058	22.33	23.50	1.309	0.076	/
	State2&4		Right Tilt	0	23095	707.5	25	Low	0.00	0.018	22.33	23.50	1.309	0.024	/
Body-worn															
Ant. 1	State1&3	QPSK	Front Side	15	23095	707.5	1	High	0.08	0.068	23.02	24.50	1.406	0.096	/
	State1&3		Back Side	15	23095	707.5	1	High	0.06	0.091	23.02	24.50	1.406	0.128	/
	State1&3		Front Side	15	23095	707.5	25	Low	-0.10	0.059	22.03	23.50	1.403	0.083	/
	State1&3		Back Side	15	23095	707.5	25	Low	-0.17	0.078	22.03	23.50	1.403	0.109	/
Ant. 0	State1&3	QPSK	Front Side	15	23095	707.5	1	Mid	-0.18	0.065	21.86	23.00	1.300	0.085	/
	State1&3		Back Side	15	23095	707.5	1	Mid	-0.11	0.101	21.86	23.00	1.300	0.131	/
	State1&3		Front Side	15	23095	707.5	25	High	-0.05	0.069	21.89	23.00	1.291	0.089	/
	State1&3		Back Side	15	23095	707.5	25	High	-0.05	0.108	21.89	23.00	1.291	0.139	33#
Hotspot															
Ant. 1	State3	QPSK	Front Side	10	23095	707.5	1	High	-0.12	0.095	23.02	24.50	1.406	0.134	/
	State3		Back Side	10	23095	707.5	1	High	0.14	0.147	23.02	24.50	1.406	0.207	/
	State3		Right Edge	10	23095	707.5	1	High	-0.06	0.178	23.02	24.50	1.406	0.250	34#
	State3		Top Edge	10	23095	707.5	1	High	0.06	0.128	23.02	24.50	1.406	0.180	/
	State3		Front Side	10	23095	707.5	25	Low	-0.03	0.078	22.03	23.50	1.403	0.109	/
	State3		Back Side	10	23095	707.5	25	Low	-0.11	0.126	22.03	23.50	1.403	0.177	/
	State3		Right Edge	10	23095	707.5	25	Low	-0.05	0.135	22.03	23.50	1.403	0.189	/
	State3		Top Edge	10	23095	707.5	25	Low	0.14	0.106	22.03	23.50	1.403	0.149	/
Ant. 0	State3	QPSK	Front Side	10	23095	707.5	1	Mid	-0.16	0.083	21.86	23.00	1.300	0.108	/
	State3		Back Side	10	23095	707.5	1	Mid	0.19	0.136	21.86	23.00	1.300	0.177	/

State3		Left Edge	10	23095	707.5	1	Mid	0.02	0.079	21.86	23.00	1.300	0.103	/
State3		Right Edge	10	23095	707.5	1	Mid	-0.05	0.118	21.86	23.00	1.300	0.153	/
State3		Bottom Edge	10	23095	707.5	1	Mid	0.12	0.069	21.86	23.00	1.300	0.090	/
State3		Front Side	10	23095	707.5	25	High	0.16	0.077	21.86	23.00	1.300	0.100	/
State3		Back Side	10	23095	707.5	25	High	-0.02	0.145	21.86	23.00	1.300	0.189	/
State3		Left Edge	10	23095	707.5	25	High	0.09	0.085	21.86	23.00	1.300	0.111	/
State3		Right Edge	10	23095	707.5	25	High	0.08	0.123	21.86	23.00	1.300	0.160	/
State3		Bottom Edge	10	23095	707.5	25	High	0.03	0.074	21.86	23.00	1.300	0.096	/

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

11.12 LTE Band 13 (10MHz Bandwidth)

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head															
Ant. 1	State2&4	QPSK	Left Cheek	0	23230	782	1	High	-0.13	0.255	22.62	24.00	1.374	0.350	/
	State2&4		Left Tilt	0	23230	782	1	High	-0.02	0.253	22.62	24.00	1.374	0.348	/
	State2&4		Right Cheek	0	23230	782	1	High	0.13	0.396	22.62	24.00	1.374	0.544	35#
	State2&4		Right Tilt	0	23230	782	1	High	-0.09	0.366	22.62	24.00	1.374	0.503	/
	State2&4		Left Cheek	0	23230	782	25	Low	0.07	0.232	22.12	23.50	1.374	0.319	/
	State2&4		Left Tilt	0	23230	782	25	Low	-0.10	0.226	22.12	23.50	1.374	0.311	/
	State2&4		Right Cheek	0	23230	782	25	Low	0.01	0.351	22.12	23.50	1.374	0.482	/
	State2&4		Right Tilt	0	23230	782	25	Low	-0.03	0.336	22.12	23.50	1.374	0.462	/
Ant. 0	State2&4	QPSK	Left Cheek	0	23230	782	1	High	0.11	0.084	23.31	24.50	1.315	0.110	/
	State2&4		Left Tilt	0	23230	782	1	High	0.10	0.047	23.31	24.50	1.315	0.062	/
	State2&4		Right Cheek	0	23230	782	1	High	0.14	0.068	23.31	24.50	1.315	0.089	/
	State2&4		Right Tilt	0	23230	782	1	High	-0.11	0.018	23.31	24.50	1.315	0.024	/
	State2&4		Left Cheek	0	23230	782	25	Low	-0.08	0.067	22.33	23.50	1.309	0.088	/
	State2&4		Left Tilt	0	23230	782	25	Low	-0.14	0.032	22.33	23.50	1.309	0.042	/
	State2&4		Right Cheek	0	23230	782	25	Low	0.10	0.053	22.33	23.50	1.309	0.069	/
	State2&4		Right Tilt	0	23230	782	25	Low	-0.16	0.016	22.33	23.50	1.309	0.021	/
Body-worn															
Ant. 1	State1&3	QPSK	Front Side	15	23230	782	1	High	0.14	0.116	23.02	24.50	1.406	0.163	/
	State1&3		Back Side	15	23230	782	1	High	-0.10	0.145	23.02	24.50	1.406	0.204	36#
	State1&3		Front Side	15	23230	782	25	Low	-0.08	0.093	22.03	23.50	1.403	0.130	/
	State1&3		Back Side	15	23230	782	25	Low	-0.12	0.115	22.03	23.50	1.403	0.161	/
Ant. 0	State1&3	QPSK	Front Side	15	23230	782	1	High	-0.18	0.063	23.31	24.50	1.315	0.083	/
	State1&3		Back Side	15	23230	782	1	High	0.15	0.080	23.31	24.50	1.315	0.105	/
	State1&3		Front Side	15	23230	782	25	Low	0.01	0.049	22.33	23.50	1.309	0.064	/
	State1&3		Back Side	15	23230	782	25	Low	0.12	0.065	22.33	23.50	1.309	0.085	/
Hotspot															
Ant. 1	State3	QPSK	Front Side	10	23230	782	1	Low	0.03	0.092	23.02	24.50	1.406	0.129	/
	State3		Back Side	10	23230	782	1	High	-0.17	0.129	23.02	24.50	1.406	0.181	37#
	State3		Right Edge	10	23230	782	1	High	0.09	0.106	23.02	24.50	1.406	0.149	/
	State3		Top Edge	10	23230	782	1	High	0.05	0.103	23.02	24.50	1.406	0.145	/
	State3		Front Side	10	23230	782	25	Low	0.07	0.067	22.03	23.50	1.403	0.094	/
	State3		Back Side	10	23230	782	25	Low	0.08	0.113	22.03	23.50	1.403	0.159	/
	State3		Right Edge	10	23230	782	25	Low	-0.10	0.089	22.03	23.50	1.403	0.125	/
	State3		Top Edge	10	23230	782	25	Low	0.00	0.081	22.03	23.50	1.403	0.114	/
Ant. 0	State3	QPSK	Front Side	10	23230	782	1	Low	0.12	0.071	23.31	24.50	1.315	0.093	/
	State3		Back Side	10	23230	782	1	Low	-0.17	0.105	23.31	24.50	1.315	0.138	/

State3	Left Edge	10	23230	782	1	Low	-0.12	0.041	23.31	24.50	1.315	0.054	/
State3	Right Edge	10	23230	782	1	Low	-0.17	0.057	23.31	24.50	1.315	0.075	/
State3	Bottom Edge	10	23230	782	1	Low	0.16	0.102	23.31	24.50	1.315	0.134	/
State3	Front Side	10	23230	782	25	Low	0.19	0.043	22.33	23.50	1.309	0.056	/
State3	Back Side	10	23230	782	25	Low	0.10	0.094	22.33	23.50	1.309	0.123	/
State3	Left Edge	10	23230	782	25	Low	-0.19	0.012	22.33	23.50	1.309	0.016	/
State3	Right Edge	10	23230	782	25	Low	0.09	0.063	22.33	23.50	1.309	0.082	/
State3	Bottom Edge	10	23230	782	25	Low	0.04	0.083	22.33	23.50	1.309	0.109	/

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

11.13 LTE Band 17 (10MHz Bandwidth)

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head															
Ant. 1	State2&4	QPSK	Left Cheek	0	23790	710	1	Mid	0.02	0.323	22.67	24.00	1.358	0.439	/
	State2&4		Left Tilt	0	23790	710	1	Mid	0.16	0.341	22.67	24.00	1.358	0.463	/
	State2&4		Right Cheek	0	23790	710	1	Mid	0.13	0.570	22.67	24.00	1.358	0.774	38#
	State2&4		Right Tilt	0	23790	710	1	Mid	0.06	0.525	22.67	24.00	1.358	0.713	/
	State2&4		Left Cheek	0	23780	709	25	High	0.13	0.316	22.20	23.50	1.349	0.426	/
	State2&4		Left Tilt	0	23780	709	25	High	-0.04	0.302	22.20	23.50	1.349	0.407	/
	State2&4		Right Cheek	0	23780	709	25	High	-0.01	0.518	22.20	23.50	1.349	0.699	/
	State2&4		Right Tilt	0	23780	709	25	High	-0.17	0.484	22.20	23.50	1.349	0.653	/
Ant. 0	State2&4	QPSK	Left Cheek	0	23780	709	1	Mid	-0.06	0.121	23.35	24.50	1.303	0.158	/
	State2&4		Left Tilt	0	23780	709	1	Mid	0.16	0.035	23.35	24.50	1.303	0.046	/
	State2&4		Right Cheek	0	23780	709	1	Mid	0.18	0.075	23.35	24.50	1.303	0.098	/
	State2&4		Right Tilt	0	23780	709	1	Mid	0.03	0.028	23.35	24.50	1.303	0.036	/
	State2&4		Left Cheek	0	23780	709	25	High	0.12	0.083	22.42	23.50	1.282	0.106	/
	State2&4		Left Tilt	0	23780	709	25	High	0.18	0.031	22.42	23.50	1.282	0.040	/
	State2&4		Right Cheek	0	23780	709	25	High	0.01	0.057	22.42	23.50	1.282	0.073	/
	State2&4		Right Tilt	0	23780	709	25	High	0.00	0.021	22.42	23.50	1.282	0.027	/
Body-worn															
Ant. 1	State1&3	QPSK	Front Side	15	23780	709	1	High	0.06	0.099	23.01	24.50	1.409	0.139	/
	State1&3		Back Side	15	23780	709	1	High	0.14	0.131	23.01	24.50	1.409	0.185	/
	State1&3		Front Side	15	23780	709	25	High	-0.15	0.086	22.07	23.50	1.390	0.120	/
	State1&3		Back Side	15	23780	709	25	High	0.03	0.114	22.07	23.50	1.390	0.158	/
Ant. 0	State1&3	QPSK	Front Side	15	23780	709	1	High	-0.17	0.121	23.35	24.50	1.303	0.158	/
	State1&3		Back Side	15	23780	709	1	High	-0.03	0.154	23.35	24.50	1.303	0.201	39#
	State1&3		Front Side	15	23780	709	25	High	-0.07	0.106	22.42	23.50	1.282	0.136	/
	State1&3		Back Side	15	23780	709	25	High	0.06	0.131	22.42	23.50	1.282	0.168	/
Hotspot															
Ant. 1	State3	QPSK	Front Side	10	23780	709	1	High	0.10	0.071	23.01	24.50	1.409	0.100	/
	State3		Back Side	10	23780	709	1	High	0.07	0.101	23.01	24.50	1.409	0.142	/
	State3		Right Edge	10	23780	709	1	High	0.15	0.125	23.01	24.50	1.409	0.176	/
	State3		Top Edge	10	23780	709	1	High	-0.15	0.083	23.01	24.50	1.409	0.117	/
	State3		Front Side	10	23780	709	25	High	-0.18	0.054	22.07	23.50	1.390	0.075	/
	State3		Back Side	10	23780	709	25	High	-0.03	0.084	22.07	23.50	1.390	0.117	/
	State3		Right Edge	10	23780	709	25	High	-0.15	0.101	22.07	23.50	1.390	0.140	/
	State3		Top Edge	10	23780	709	25	High	0.02	0.058	22.07	23.50	1.390	0.081	/
Ant. 0	State3	QPSK	Front Side	10	23780	709	1	High	-0.10	0.083	23.35	24.50	1.303	0.108	/
	State3		Back Side	10	23780	709	1	High	-0.15	0.147	23.35	24.50	1.303	0.192	40#

State3	Left Edge	10	23780	709	1	High	0.12	0.082	23.35	24.50	1.303	0.107	/
State3	Right Edge	10	23780	709	1	High	0.17	0.121	23.35	24.50	1.303	0.158	/
State3	Bottom Edge	10	23780	709	1	High	-0.02	0.074	23.35	24.50	1.303	0.096	/
State3	Front Side	10	23780	709	25	High	0.03	0.063	22.42	23.50	1.282	0.081	/
State3	Back Side	10	23780	709	25	High	-0.17	0.105	22.42	23.50	1.282	0.135	/
State3	Left Edge	10	23780	709	25	High	0.15	0.062	22.42	23.50	1.282	0.079	/
State3	Right Edge	10	23780	709	25	High	-0.11	0.101	22.42	23.50	1.282	0.129	/
State3	Bottom Edge	10	23780	709	25	High	-0.06	0.076	22.42	23.50	1.282	0.097	/

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

11.14 LTE Band 26 (15MHz Bandwidth)

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head															
Ant.1	State2&4	QPSK	Left Cheek	0	26865	831.5	1	Low	0.13	0.315	20.17	22.00	1.524	0.480	/
	State2&4		Left Tilt	0	26865	831.5	1	Low	0.08	0.323	20.17	22.00	1.524	0.492	/
	State2&4		Right Cheek	0	26865	831.5	1	Low	-0.19	0.508	20.17	22.00	1.524	0.774	41#
	State2&4		Right Tilt	0	26865	831.5	1	Low	-0.01	0.488	20.17	22.00	1.524	0.744	/
	State2&4		Left Cheek	0	26765	821.5	36	High	-0.02	0.347	20.16	22.00	1.528	0.530	/
	State2&4		Left Tilt	0	26965	841.5	36	High	0.17	0.363	20.16	22.00	1.528	0.555	/
	State2&4		Right Cheek	0	26965	841.5	36	High	0.07	0.488	20.16	22.00	1.528	0.746	/
	State2&4		Right Tilt	0	26965	841.5	36	High	-0.10	0.471	20.16	22.00	1.528	0.720	/
Ant.1	State2&4	QPSK(E NDC)	Left Cheek	0	26765	821.5	1	Mid	-0.19	0.141	18.85	20.00	1.303	0.184	/
	State2&4		Left Tilt	0	26765	821.5	1	Mid	0.19	0.174	18.85	20.00	1.303	0.227	/
	State2&4		Right Cheek	0	26765	821.5	1	Mid	-0.16	0.243	18.85	20.00	1.303	0.317	/
	State2&4		Right Tilt	0	26765	821.5	1	Mid	0.15	0.235	18.85	20.00	1.303	0.306	/
	State2&4		Left Cheek	0	26965	841.5	36	High	0.14	0.164	18.90	20.00	1.288	0.211	/
	State2&4		Left Tilt	0	26965	841.5	36	High	-0.19	0.175	18.90	20.00	1.288	0.225	/
	State2&4		Right Cheek	0	26965	841.5	36	High	0.06	0.256	18.90	20.00	1.288	0.330	/
	State2&4		Right Tilt	0	26965	841.5	36	High	0.18	0.241	18.90	20.00	1.288	0.310	/
Ant.0	State2&4	QPSK (ENDC)	Left Cheek	0	26865	831.5	1	High	0.14	0.125	22.89	24.50	1.449	0.181	/
	State2&4		Left Tilt	0	26865	831.5	1	High	0.15	0.061	22.89	24.50	1.449	0.088	/
	State2&4		Right Cheek	0	26865	831.5	1	High	-0.01	0.083	22.89	24.50	1.449	0.120	/
	State2&4		Right Tilt	0	26865	831.5	1	High	-0.02	0.011	22.89	24.50	1.449	0.016	/
	State2&4		Left Cheek	0	26965	841.5	36	Low	0.14	0.103	21.88	23.50	1.452	0.150	/
	State2&4		Left Tilt	0	26965	841.5	36	Low	-0.05	0.053	21.88	23.50	1.452	0.077	/
	State2&4		Right Cheek	0	26965	841.5	36	Low	0.19	0.066	21.88	23.50	1.452	0.096	/
	State2&4		Right Tilt	0	26965	841.5	36	Low	0.10	0.009	21.88	23.50	1.452	0.013	/
Body-worn															
Ant.1	State1&3	QPSK&E	Front Side	15	26765	821.5	1	Low	-0.01	0.146	22.73	24.50	1.503	0.219	/
	State1&3		Back Side	15	26765	821.5	1	Low	-0.10	0.167	22.73	24.50	1.503	0.251	42#
	State1&3	NDC	Front Side	15	26765	821.5	1	Low	-0.09	0.112	21.71	23.50	1.510	0.169	/
	State1&3		Back Side	15	26765	821.5	1	Low	-0.13	0.132	21.71	23.50	1.510	0.199	/
Ant.0	State1&3	QPSK	Front Side	15	26965	841.5	1	Mid	0.15	0.066	22.89	24.50	1.449	0.096	/
	State1&3		Back Side	15	26965	841.5	1	Mid	-0.15	0.106	22.89	24.50	1.449	0.154	/
	State1&3		Front Side	15	26965	841.5	36	Low	-0.02	0.054	21.88	23.50	1.452	0.078	/
	State1&3		Back Side	15	26965	841.5	36	Low	-0.16	0.083	21.88	23.50	1.452	0.121	/
Ant.0	State1&3	ENDC	Front Side	15	26765	821.5	1	Mid	0.18	0.043	21.01	22.00	1.256	0.054	/
	State1&3		Back Side	15	26765	821.5	1	Mid	-0.12	0.062	21.01	22.00	1.256	0.078	/
	State1&3		Front Side	15	26965	841.5	36	Mid	-0.16	0.042	20.96	22.00	1.271	0.053	/

	State1&3		Back Side	15	26965	841.5	36	Mid	-0.18	0.065	20.96	22.00	1.271	0.083	/
Hotspot															
Ant.1	State3	QPSK&E	Front Side	10	26965	841.5	1	Low	-0.14	0.134	22.73	24.50	1.503	0.201	/
	State3		Back Side	10	26965	841.5	1	Low	0.17	0.171	22.73	24.50	1.503	0.257	/
	State3		Right Edge	10	26965	841.5	1	Low	0.00	0.112	22.73	24.50	1.503	0.168	/
	State3		Top Edge	10	26965	841.5	1	Low	-0.13	0.183	22.73	24.50	1.503	0.275	/
	State3	NDC	Front Side	10	26965	841.5	36	Low	-0.05	0.106	21.71	23.50	1.510	0.160	/
	State3		Back Side	10	26965	841.5	36	Low	-0.09	0.132	21.71	23.50	1.510	0.199	/
	State3		Right Edge	10	26965	841.5	36	Low	0.08	0.091	21.71	23.50	1.510	0.137	/
	State3		Top Edge	10	26965	841.5	36	Low	0.05	0.152	21.71	23.50	1.510	0.230	/
Ant.0	State3	QPSK&E	Front Side	10	26865	831.5	1	Mid	-0.16	0.106	22.89	24.50	1.449	0.154	/
	State3		Back Side	10	26865	831.5	1	Mid	-0.14	0.193	22.89	24.50	1.449	0.280	43#
	State3		Left Edge	10	26865	831.5	1	Mid	0.15	0.041	22.89	24.50	1.449	0.059	/
	State3		Right Edge	10	26865	831.5	1	Mid	0.01	0.062	22.89	24.50	1.449	0.090	/
	State3	Bottom Edge	10	26865	831.5	1	Mid	-0.07	0.105	22.89	24.50	1.449	0.152	/	
	State3	NDC	Front Side	10	26865	831.5	36	Low	-0.11	0.072	21.88	23.50	1.452	0.105	/
	State3		Back Side	10	26865	831.5	36	Low	-0.06	0.139	21.88	23.50	1.452	0.202	/
	State3		Left Edge	10	26865	831.5	36	Low	-0.07	0.032	21.88	23.50	1.452	0.046	/
	State3		Right Edge	10	26865	831.5	36	Low	-0.05	0.048	21.88	23.50	1.452	0.070	/
	State3		Bottom Edge	10	26865	831.5	36	Low	-0.14	0.106	21.88	23.50	1.452	0.154	/
State3															

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

11.15 LTE Band 66 (20MHz Bandwidth)

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.	
Head																
Ant. 1	State2&4	QPSK	Left Cheek	0	132322	1745	1	High	-0.16	0.341	16.60	18.50	1.549	0.528	/	
	State2&4		Left Tilt	0	132322	1745	1	High	0.10	0.371	16.60	18.50	1.549	0.575	/	
	State2&4		Right Cheek	0	132322	1745	1	High	-0.09	0.490	16.60	18.50	1.549	0.759	/	
	State2&4		Right Tilt	0	132322	1745	1	High	0.00	0.573	16.60	18.50	1.549	0.888	/	
	State2&4		Left Cheek	0	132322	1745	50	Low	0.06	0.358	16.59	18.50	1.552	0.556	/	
	State2&4		Left Tilt	0	132322	1745	50	Low	0.12	0.404	16.59	18.50	1.552	0.627	/	
	State2&4		Right Cheek	0	132322	1745	50	Low	0.16	0.588	16.59	18.50	1.552	0.913	/	
	State2&4		Right Tilt	0	132322	1745	50	Low	0.06	0.644	16.59	18.50	1.552	0.999	/	
	State2&4		Right Tilt	0	132072	1720	1	High	0.15	0.655	16.55	18.50	1.567	1.026	/	
	State2&4		Right Tilt	0	132572	1770	1	Low	0.18	0.630	16.57	18.50	1.560	0.983	/	
	State2&4		Right Tilt	0	132072	1720	50	Low	0.07	0.729	16.54	18.50	1.570	1.145	44#	
	State2&4		Right Tilt	0	132572	1770	50	High	-0.08	0.598	16.58	18.50	1.556	0.930	/	
	State2&4		Right Tilt	0	132572	1745	100	Low	-0.06	0.648	16.57	18.50	1.560	1.011	/	
	State2&4		QPSK (ENDC)	Left Cheek	0	132572	1770	1	Mid	-0.03	0.248	17.08	17.50	1.102	0.273	/
	State2&4			Left Tilt	0	132572	1770	1	Mid	0.17	0.316	17.08	17.50	1.102	0.348	/
	State2&4			Right Cheek	0	132572	1770	1	Mid	0.15	0.434	17.08	17.50	1.102	0.478	/
	State2&4			Right Tilt	0	132572	1770	1	Mid	-0.02	0.488	17.08	17.50	1.102	0.538	/
	State2&4			Left Cheek	0	132572	1770	50	Low	0.03	0.254	16.99	17.50	1.125	0.286	/
	State2&4			Left Tilt	0	132572	1770	50	Low	-0.03	0.332	16.99	17.50	1.125	0.374	/
	State2&4			Right Cheek	0	132572	1770	50	Low	-0.09	0.416	16.99	17.50	1.125	0.468	/
State2&4	Right Tilt	0		132572	1770	50	Low	0.03	0.506	16.99	17.50	1.125	0.569	/		
Ant. 4	State2&4	QPSK	Left Cheek	0	132572	1770	1	Mid	-0.03	0.079	22.30	24.00	1.479	0.117	/	
	State2&4		Left Tilt	0	132572	1770	1	Mid	0.17	0.069	22.30	24.00	1.479	0.102	/	
	State2&4		Right Cheek	0	132572	1770	1	Mid	-0.09	0.150	22.30	24.00	1.479	0.222	/	
	State2&4		Right Tilt	0	132572	1770	1	Mid	0.01	0.060	22.30	24.00	1.479	0.089	/	
	State2&4		Left Cheek	0	132572	1770	50	Low	-0.05	0.063	21.34	23.00	1.466	0.092	/	
	State2&4		Left Tilt	0	132572	1770	50	Low	0.09	0.057	21.34	23.00	1.466	0.084	/	
	State2&4		Right Cheek	0	132572	1770	50	Low	-0.04	0.125	21.34	23.00	1.466	0.183	/	
	State2&4		Right Tilt	0	132572	1770	50	Low	0.17	0.046	21.34	23.00	1.466	0.067	/	
Ant. 4	State2&4	EDNC	Left Cheek	0	132072	1720	1	Mid	0.03	0.053	22.39	23.00	1.151	0.061	/	
	State2&4		Left Tilt	0	132072	1720	1	Mid	-0.14	0.051	22.39	23.00	1.151	0.059	/	
	State2&4		Right Cheek	0	132072	1720	1	Mid	-0.04	0.106	22.39	23.00	1.151	0.122	/	
	State2&4		Right Tilt	0	132072	1720	1	Mid	0.00	0.041	22.39	23.00	1.151	0.047	/	
	State2&4		Left Cheek	0	132572	1770	50	Mid	0.09	0.045	21.33	22.00	1.167	0.053	/	
	State2&4		Left Tilt	0	132572	1770	50	Mid	-0.08	0.039	21.33	22.00	1.167	0.046	/	
	State2&4		Right Cheek	0	132572	1770	50	Mid	0.10	0.084	21.33	22.00	1.167	0.098	/	

	State2&4		Right Tilt	0	132572	1770	50	Mid	-0.01	0.032	21.33	22.00	1.167	0.037	/
Ant.0	State2&4	QPSK&E	Left Cheek	0	132322	1745	1	High	0.16	0.092	23.11	24.00	1.227	0.113	/
	State2&4		Left Tilt	0	132322	1745	1	High	0.15	0.058	23.11	24.00	1.227	0.071	/
	State2&4		Right Cheek	0	132322	1745	1	High	-0.15	0.053	23.11	24.00	1.227	0.065	/
	State2&4		Right Tilt	0	132322	1745	1	High	-0.03	0.060	23.11	24.00	1.227	0.074	/
	State2&4	NDC	Left Cheek	0	132322	1745	50	High	-0.07	0.074	22.03	23.00	1.250	0.093	/
	State2&4		Left Tilt	0	132322	1745	50	High	0.00	0.046	22.03	23.00	1.250	0.058	/
	State2&4		Right Cheek	0	132322	1745	50	High	0.17	0.051	22.03	23.00	1.250	0.064	/
	State2&4		Right Tilt	0	132322	1745	50	High	0.00	0.055	22.03	23.00	1.250	0.069	/
Body-worn															
Ant.1	State1&3	QPSK	Front Side	15	132322	1745	1	High	-0.19	0.114	18.51	20.00	1.409	0.161	/
	State1&3		Back Side	15	132322	1745	1	High	0.13	0.165	18.51	20.00	1.409	0.232	/
	State1&3		Front Side	15	132572	1770	50	High	-0.11	0.154	18.47	20.00	1.422	0.219	/
	State1&3		Back Side	15	132572	1770	50	High	0.03	0.178	18.47	20.00	1.422	0.253	45#
	State1&3	QPSK (ENDC)	Front Side	15	132072	1720	1	Mid	-0.15	0.068	17.47	18.00	1.130	0.077	/
	State1&3		Back Side	15	132072	1720	1	Mid	0.19	0.096	17.47	18.00	1.130	0.108	/
	State1&3		Front Side	15	132072	1720	50	Mid	0.01	0.087	17.47	18.00	1.130	0.098	/
	State1&3		Back Side	15	132072	1720	50	Mid	0.12	0.097	17.47	18.00	1.130	0.110	/
Ant.4	State1&3	QPSK	Front Side	15	132572	1770	1	High	-0.03	0.022	20.66	22.50	1.528	0.034	/
	State1&3		Back Side	15	132572	1770	1	High	0.11	0.041	20.66	22.50	1.528	0.063	/
	State1&3		Front Side	15	132072	1720	50	High	0.06	0.019	20.68	22.50	1.521	0.029	/
	State1&3		Back Side	15	132072	1720	50	High	-0.19	0.038	20.68	22.50	1.521	0.058	/
	State1&3	QPSK (ENDC)	Front Side	15	132072	1720	1	Mid	0.01	0.013	18.52	19.00	1.117	0.015	/
	State1&3		Back Side	15	132072	1720	1	Mid	0.09	0.025	18.52	19.00	1.117	0.028	/
	State1&3		Front Side	15	132322	1745	50	Mid	-0.01	0.012	18.46	19.00	1.132	0.014	/
	State1&3		Back Side	15	132322	1745	50	Mid	-0.19	0.024	18.46	19.00	1.132	0.027	/
Ant.0	State1&3	QPSK	Front Side	15	132322	1745	1	High	-0.04	0.092	20.13	21.00	1.222	0.112	/
	State3&5		Back Side	15	132322	1745	1	High	-0.16	0.141	20.13	21.00	1.222	0.172	/
	State3&5		Front Side	15	132572	1770	50	Mid	0.19	0.093	20.09	21.00	1.233	0.115	/
	State3&5		Back Side	15	132572	1770	50	Mid	-0.06	0.141	20.09	21.00	1.233	0.174	/
	State1&3	QPSK(E NDC)	Front Side	15	132572	1770	1	Mid	-0.13	0.051	17.86	18.50	1.159	0.059	/
	State3&5		Back Side	15	132572	1770	1	Mid	-0.13	0.075	17.86	18.50	1.159	0.087	/
	State3&5		Front Side	15	132572	1770	50	High	0.19	0.048	17.82	18.50	1.169	0.056	/
	State3&5		Back Side	15	132572	1770	50	High	-0.16	0.073	17.82	18.50	1.169	0.085	/
Hotspot															
Ant.1	State1&3	QPSK	Front Side	10	132322	1745	1	High	-0.03	0.152	18.51	20.00	1.409	0.214	/
	State1&3		Back Side	10	132322	1745	1	High	0.18	0.211	18.51	20.00	1.409	0.297	/
	State1&3		Right Edge	10	132322	1745	1	High	-0.19	0.042	18.51	20.00	1.409	0.059	/
	State1&3		Top Edge	10	132322	1745	1	High	-0.14	0.302	18.51	20.00	1.409	0.426	/
	State1&3		Front Side	10	132572	1770	50	High	-0.09	0.137	18.47	20.00	1.422	0.195	/
	State1&3		Back Side	10	132572	1770	50	High	0.14	0.212	18.47	20.00	1.422	0.301	/
	State1&3		Right Edge	10	132572	1770	50	High	0.14	0.032	18.47	20.00	1.422	0.046	/
	State1&3		Top Edge	10	132572	1770	50	High	0.16	0.324	18.47	20.00	1.422	0.461	46#

	State1&3	QPSK (ENDC)	Front Side	10	132072	1720	1	Mid	-0.07	0.092	17.47	18.00	1.130	0.104	/
	State1&3		Back Side	10	132072	1720	1	Mid	0.09	0.123	17.47	18.00	1.130	0.139	/
	State1&3		Right Edge	10	132072	1720	1	Mid	0.14	0.011	17.47	18.00	1.130	0.012	/
	State1&3		Top Edge	10	132072	1720	1	Mid	0.08	0.182	17.47	18.00	1.130	0.206	/
	State1&3		Front Side	10	132072	1720	50	Mid	0.07	0.081	17.47	18.00	1.130	0.092	/
	State1&3		Back Side	10	132072	1720	50	Mid	-0.02	0.124	17.47	18.00	1.130	0.140	/
	State1&3		Right Edge	10	132072	1720	50	Mid	0.11	0.011	17.47	18.00	1.130	0.012	/
	State1&3		Top Edge	10	132072	1720	50	Mid	0.04	0.195	17.47	18.00	1.130	0.220	/
Ant.4	State1&3	QPSK	Front Side	10	132572	1770	1	High	0.18	0.011	20.66	22.50	1.528	0.017	/
	State1&3		Back Side	10	132572	1770	1	High	-0.17	0.105	20.66	22.50	1.528	0.160	/
	State1&3		Right Edge	10	132572	1770	1	High	0.12	0.086	20.66	22.50	1.528	0.131	/
	State1&3		Top Edge	10	132572	1770	1	High	0.13	0.006	20.66	22.50	1.528	0.009	/
	State1&3		Front Side	10	132072	1720	50	High	-0.03	0.005	20.68	22.50	1.521	0.008	/
	State1&3		Back Side	10	132072	1720	50	High	0.14	0.108	20.68	22.50	1.521	0.164	/
	State1&3		Right Edge	10	132072	1720	50	High	0.14	0.086	20.68	22.50	1.521	0.131	/
	State1&3		Top Edge	10	132072	1720	50	High	0.18	0.003	20.68	22.50	1.521	0.005	/
	State1&3	QPSK	Front Side	10	132072	1720	1	Mid	-0.03	0.007	18.52	19.00	1.117	0.008	/
	State1&3		Back Side	10	132072	1720	1	Mid	0.14	0.052	18.52	19.00	1.117	0.058	/
	State1&3		Right Edge	10	132072	1720	1	Mid	0.03	0.043	18.52	19.00	1.117	0.048	/
	State1&3		Top Edge	10	132072	1720	1	Mid	0.19	0.002	18.52	19.00	1.117	0.002	/
	State1&3		Front Side	10	132322	1745	50	Mid	0.07	0.002	18.46	19.00	1.132	0.002	/
	State1&3		Back Side	10	132322	1745	50	Mid	0.02	0.058	18.46	19.00	1.132	0.066	/
	State1&3		Right Edge	10	132322	1745	50	Mid	-0.13	0.042	18.46	19.00	1.132	0.048	/
	State1&3		Top Edge	10	132322	1745	50	Mid	-0.19	0.001	18.46	19.00	1.132	0.001	/
Ant.0	State1&3	QPSK	Front Side	10	132322	1745	1	High	-0.16	0.121	20.13	21.00	1.222	0.148	/
	State1&3		Back Side	10	132322	1745	1	High	0.17	0.165	20.13	21.00	1.222	0.202	/
	State1&3		Left Edge	10	132322	1745	1	High	0.03	0.052	20.13	21.00	1.222	0.064	/
	State1&3		Right Edge	10	132322	1745	1	High	-0.07	0.028	20.13	21.00	1.222	0.034	/
	State1&3		Bottom Edge	10	132322	1745	1	High	-0.05	0.274	20.13	21.00	1.222	0.335	/
	State1&3		Front Side	10	132572	1770	50	Mid	0.11	0.107	20.09	21.00	1.233	0.132	/
	State1&3		Back Side	10	132572	1770	50	Mid	0.19	0.175	20.09	21.00	1.233	0.216	/
	State1&3		Left Edge	10	132572	1770	50	Mid	-0.08	0.051	20.09	21.00	1.233	0.063	/
	State1&3		Right Edge	10	132572	1770	50	Mid	0.16	0.029	20.09	21.00	1.233	0.036	/
	State1&3		Bottom Edge	10	132572	1770	50	Mid	0.07	0.301	20.09	21.00	1.233	0.371	/
Ant.0	State1&3	QPSK	Front Side	10	132572	1770	1	Mid	-0.03	0.054	17.86	18.50	1.159	0.063	/
	State1&3		Back Side	10	132572	1770	1	Mid	0.14	0.085	17.86	18.50	1.159	0.099	/
	State1&3		Left Edge	10	132572	1770	1	Mid	0.04	0.026	17.86	18.50	1.159	0.030	/
	State1&3		Right Edge	10	132572	1770	1	Mid	-0.11	0.012	17.86	18.50	1.159	0.014	/
	State1&3		Bottom Edge	10	132572	1770	1	Mid	0.05	0.154	17.86	18.50	1.159	0.178	/
	State1&3		Front Side	10	132572	1770	50	High	-0.13	0.061	17.82	18.50	1.169	0.071	/
	State1&3		Back Side	10	132572	1770	50	High	-0.12	0.093	17.82	18.50	1.169	0.109	/
	State1&3		Left Edge	10	132572	1770	50	High	-0.18	0.025	17.82	18.50	1.169	0.029	/
	State1&3		Right Edge	10	132572	1770	50	High	-0.18	0.018	17.82	18.50	1.169	0.021	/

	State1&3		Bottom Edge	10	132572	1770	50	High	-0.16	0.165	17.82	18.50	1.169	0.193	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.															

11.16 LTE Band 38 (20MHz Bandwidth)

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head															
Ant.1	State2&4	QPSK	Left Cheek	0	37850	2580	1	Mid	0.17	0.232	19.37	21.00	1.455	0.338	/
	State2&4		Left Tilt	0	37850	2580	1	Mid	0.06	0.206	19.37	21.00	1.455	0.300	/
	State2&4		Right Cheek	0	37850	2580	1	Mid	-0.02	0.711	19.37	21.00	1.455	1.035	/
	State2&4		Right Tilt	0	37850	2580	1	Mid	0.10	0.674	19.37	21.00	1.455	0.981	/
	State2&4		Left Cheek	0	37850	2580	50	Mid	0.13	0.243	19.34	21.00	1.466	0.356	/
	State2&4		Left Tilt	0	37850	2580	50	Mid	0.00	0.212	19.34	21.00	1.466	0.311	/
	State2&4		Right Cheek	0	37850	2580	50	Mid	0.09	0.735	19.34	21.00	1.466	1.078	47#
	State2&4		Right Tilt	0	37850	2580	50	Mid	0.02	0.698	19.34	21.00	1.466	1.023	/
	State2&4		Right Cheek	0	38000	2595	1	Mid	-0.20	0.653	19.31	21.00	1.476	0.964	/
	State2&4		Right Cheek	0	38150	2610	1	Low	-0.10	0.695	19.34	21.00	1.466	1.019	/
	State2&4		Right Cheek	0	38000	2595	50	Mid	0.14	0.708	19.33	21.00	1.469	1.040	/
	State2&4		Right Cheek	0	38150	2610	50	Mid	0.01	0.693	19.22	21.00	1.507	1.044	/
	State2&4		Right Cheek	0	37850	2580	100	Low	0.06	0.693	19.34	21.00	1.466	1.016	/
Ant.4	State2&4	QPSK	Left Cheek	0	38000	2595	1	Mid	-0.06	0.068	21.23	23.00	1.503	0.102	/
	State2&4		Left Tilt	0	38000	2595	1	Mid	-0.18	0.056	21.23	23.00	1.503	0.084	/
	State2&4		Right Cheek	0	38000	2595	1	Mid	-0.05	0.151	21.23	23.00	1.503	0.227	/
	State2&4		Right Tilt	0	38000	2595	1	Mid	-0.14	0.047	21.23	23.00	1.503	0.071	/
	State2&4		Left Cheek	0	37850	2580	50	High	0.00	0.056	20.26	22.00	1.493	0.084	/
	State2&4		Left Tilt	0	37850	2580	50	High	-0.12	0.038	20.26	22.00	1.493	0.057	/
	State2&4		Right Cheek	0	37850	2580	50	High	-0.15	0.116	20.26	22.00	1.493	0.173	/
	State2&4		Right Tilt	0	37850	2580	50	High	0.06	0.032	20.26	22.00	1.493	0.048	/
Ant.0	State2&4	QPSK	Left Cheek	0	37850	2580	1	Mid	-0.05	0.111	22.75	24.00	1.334	0.148	/
	State2&4		Left Tilt	0	37850	2580	1	Mid	0.08	0.073	22.75	24.00	1.334	0.097	/
	State2&4		Right Cheek	0	37850	2580	1	Mid	-0.04	0.187	22.75	24.00	1.334	0.249	/
	State2&4		Right Tilt	0	37850	2580	1	Mid	-0.16	0.078	22.75	24.00	1.334	0.104	/
	State2&4		Left Cheek	0	37850	2580	50	Mid	-0.04	0.087	21.73	23.00	1.340	0.117	/
	State2&4		Left Tilt	0	37850	2580	50	Mid	-0.16	0.063	21.73	23.00	1.340	0.084	/
	State2&4		Right Cheek	0	37850	2580	50	Mid	-0.11	0.154	21.73	23.00	1.340	0.206	/
	State2&4		Right Tilt	0	37850	2580	50	Mid	0.04	0.068	21.73	23.00	1.340	0.091	/
Body-worn															
Ant.1	State1&3	QPSK	Front Side	15	37850	2580	1	Mid	0.07	0.094	20.61	22.00	1.377	0.129	/
	State1&3		Back Side	15	37850	2580	1	Mid	-0.15	0.162	20.61	22.00	1.377	0.223	/
	State1&3		Front Side	15	37850	2580	50	Mid	-0.18	0.099	20.57	22.00	1.390	0.138	/
	State1&3		Back Side	15	37850	2580	50	Mid	-0.06	0.168	20.57	22.00	1.390	0.234	/
Ant.4	State1&3	QPSK	Front Side	15	37850	2580	1	Mid	-0.14	0.023	19.19	21.00	1.517	0.035	/
	State1&3		Back Side	15	37850	2580	1	Mid	-0.11	0.064	19.19	21.00	1.517	0.097	/

	State1&3		Front Side	15	37850	2580	50	Mid	0.17	0.021	19.18	21.00	1.521	0.032	/
	State1&3		Back Side	15	37850	2580	50	Mid	0.12	0.064	19.18	21.00	1.521	0.097	/
Ant.0	State1&3	QPSK	Front Side	15	37850	2580	1	Mid	-0.14	0.135	22.75	24.00	1.334	0.180	/
	State1&3		Back Side	15	37850	2580	1	Mid	0.16	0.216	22.75	24.00	1.334	0.288	49#
	State1&3		Front Side	15	37850	2580	50	Mid	0.13	0.116	21.73	23.00	1.340	0.155	/
	State1&3		Back Side	15	37850	2580	50	Mid	-0.17	0.165	21.73	23.00	1.340	0.221	/
Hotspot															
Ant.1	State1&3	QPSK	Front Side	10	37850	2580	1	Mid	0.01	0.211	20.61	22.00	1.377	0.291	/
	State1&3		Back Side	10	37850	2580	1	Mid	-0.01	0.412	20.61	22.00	1.377	0.567	/
	State1&3		Right Edge	10	37850	2580	1	Mid	-0.01	0.323	20.61	22.00	1.377	0.445	/
	State1&3		Top Edge	10	37850	2580	1	Mid	0.00	0.165	20.61	22.00	1.377	0.227	/
	State1&3		Front Side	10	37850	2580	50	Mid	0.15	0.206	20.57	22.00	1.390	0.286	/
	State1&3		Back Side	10	37850	2580	50	Mid	0.03	0.434	20.57	22.00	1.390	0.603	51#
	State1&3		Right Edge	10	37850	2580	50	Mid	0.13	0.353	20.57	22.00	1.390	0.491	/
Ant.4	State1&3	QPSK	Top Edge	10	37850	2580	50	Mid	0.17	0.165	20.57	22.00	1.390	0.229	/
	State1&3		Front Side	10	37850	2580	1	Mid	0.11	0.012	19.19	21.00	1.517	0.018	/
	State1&3		Back Side	10	37850	2580	1	Mid	0.15	0.163	19.19	21.00	1.517	0.247	/
	State1&3		Right Edge	10	37850	2580	1	Mid	0.09	0.133	19.19	21.00	1.517	0.202	/
	State1&3		Top Edge	10	37850	2580	1	Mid	0.01	0.006	19.19	21.00	1.517	0.009	/
	State1&3		Front Side	10	37850	2580	50	Mid	-0.18	0.003	19.18	21.00	1.521	0.005	/
	State1&3		Back Side	10	37850	2580	50	Mid	-0.13	0.161	19.18	21.00	1.521	0.245	/
Ant.0	State1&3	QPSK	Right Edge	10	37850	2580	50	Mid	0.00	0.145	19.18	21.00	1.521	0.221	/
	State1&3		Top Edge	10	37850	2580	50	Mid	-0.16	0.002	19.18	21.00	1.521	0.003	/
	State1&3		Front Side	10	37850	2580	1	Mid	-0.19	0.081	22.75	24.00	1.334	0.108	/
	State1&3		Back Side	10	37850	2580	1	Mid	0.16	0.117	22.75	24.00	1.334	0.156	/
	State1&3		LeftEdge	10	37850	2580	1	Mid	-0.15	0.053	22.75	24.00	1.334	0.071	/
	State1&3		Right Edge	10	37850	2580	1	Mid	-0.11	0.013	22.75	24.00	1.334	0.017	/
	State1&3		Bottom Edge	10	37850	2580	1	Mid	0.13	0.054	22.75	24.00	1.334	0.072	/
	State1&3		Front Side	10	37850	2580	50	Mid	-0.06	0.086	21.73	24.00	1.687	0.145	/
	State1&3		Back Side	10	37850	2580	50	Mid	-0.15	0.119	21.73	24.00	1.687	0.201	/
	State1&3		Left Edge	10	37850	2580	50	Mid	0.14	0.052	21.73	24.00	1.687	0.088	/
State1&3	Right Edge	10	37850	2580	50	Mid	0.16	0.011	21.73	24.00	1.687	0.019	/		
State1&3	Bottom Edge	10	37850	2580	50	Mid	0.16	0.057	21.73	24.00	1.687	0.096	/		
Note: Refer to ANNEX C for the detailed test data for each test configuration.															

11.17 LTE Band 38 Worse case for CA Test

Antenna	DSI State	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune power (dBm)	Scaling Factor	1g Report SAR (W/kg)	Meas. No.
Head-CA															
Ant.1	State2&4	QPSK	Right Cheek	0	37850+ 38048	2604.9+ 2585.1	1+1	High+ Low	-0.12	0.656	19.93	21.00	1.279	0.839	48#
Body-worn-CA															
Ant.0	State1&3	QPSK	Back Side	15	37850+ 38048	2604.9+ 2585.1	1+1	High+ Low	0.17	0.169	22.73	24.00	1.340	0.226	50#
Hotspot-CA															
Ant.1	State1&3	QPSK	Back Side	10	37850+ 38048	2604.9+ 2585.1	1+1	High+ Low	-0.14	0.393	20.95	22.00	1.274	0.501	52#
Note: Refer to ANNEX C for the detailed test data for each test configuration.															

11.18 LTE Band 41 (20MHz Bandwidth)

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.		
Head																	
Ant.1	State2&4	QPSK	Left Cheek	0	40620	2593	1	Mid	-0.05	0.254	19.52	21.00	1.406	0.357	/		
	State2&4		Left Tilt	0	40620	2593	1	Mid	0.06	0.206	19.52	21.00	1.406	0.290	/		
	State2&4		Right Cheek	0	40620	2593	1	Mid	-0.16	0.713	19.52	21.00	1.406	1.002	/		
	State2&4		Right Tilt	0	40620	2593	1	Mid	0.11	0.701	19.52	21.00	1.406	0.986	/		
	State2&4		Left Cheek	0	39750	2506	50	High	0.14	0.256	19.41	21.00	1.442	0.369	/		
	State2&4		Left Tilt	0	39750	2506	50	High	-0.15	0.232	19.41	21.00	1.442	0.335	/		
	State2&4		Right Cheek	0	39750	2506	50	High	-0.13	0.793	19.41	21.00	1.442	1.144	/		
	State2&4		Right Tilt	0	39750	2506	50	High	0.10	0.581	19.41	21.00	1.442	0.838	/		
	State2&4		Right Cheek	0	39750	2506	1	High	0.05	0.687	19.41	21.00	1.442	0.991	/		
	State2&4		Right Cheek	0	40185	2549.5	1	Mid	-0.06	0.704	19.34	21.00	1.466	1.032	/		
	State2&4		Right Cheek	0	41055	2636.5	1	Mid	0.00	0.707	19.22	21.00	1.507	1.065	/		
	State2&4		Right Cheek	0	41490	2680	1	High	0.01	0.718	19.17	21.00	1.524	1.094	/		
	State2&4		Right Cheek	0	40620	2593	50	Mid	0.19	0.724	19.39	21.00	1.449	1.049	/		
	State2&4		Right Cheek	0	40185	2549.5	50	Mid	0.04	0.717	19.39	21.00	1.449	1.039	/		
	State2&4		Right Cheek	0	41055	2636.5	50	Mid	0.03	0.770	19.22	21.00	1.507	1.160	53#		
	State2&4		Right Cheek	0	41490	2680	50	Mid	-0.06	0.746	19.16	21.00	1.528	1.140	/		
	State2&4		Right Cheek	0	39750	2506	100	Low	0.14	0.733	19.38	21.00	1.452	1.064	/		
	State2&4		Left Cheek	0	41490	2680	1	Mid	-0.09	0.171	18.40	19.00	1.148	0.196	/		
	State2&4		Left Tilt	0	41490	2680	1	Mid	-0.15	0.155	18.40	19.00	1.148	0.178	/		
	State2&4		Right Cheek	0	41490	2680	1	Mid	0.00	0.512	18.40	19.00	1.148	0.588	/		
	State2&4		Right Tilt	0	41490	2680	1	Mid	0.09	0.488	18.40	19.00	1.148	0.560	/		
	State2&4		Left Cheek	0	41055	2636.5	50	High	0.06	0.174	18.43	19.00	1.140	0.198	/		
	State2&4		Left Tilt	0	41055	2636.5	50	High	0.05	0.156	18.43	19.00	1.140	0.178	/		
	State2&4		Right Cheek	0	41055	2636.5	50	High	0.04	0.573	18.43	19.00	1.140	0.653	/		
	State2&4		Right Tilt	0	41055	2636.5	50	High	0.09	0.421	18.43	19.00	1.140	0.480	/		
	Ant.4		State2&4	QPSK	Left Cheek	0	40620	2593	1	Mid	-0.10	0.087	22.13	23.50	1.371	0.119	/
			State2&4		Left Tilt	0	40620	2593	1	Mid	-0.10	0.071	22.13	23.50	1.371	0.097	/
			State2&4		Right Cheek	0	40620	2593	1	Mid	-0.07	0.168	22.13	23.50	1.371	0.230	/
State2&4		Right Tilt	0		40620	2593	1	Mid	-0.14	0.053	22.13	23.50	1.371	0.073	/		
State2&4		Left Cheek	0		39750	2506	50	High	-0.11	0.065	21.08	22.50	1.387	0.090	/		
State2&4		Left Tilt	0		39750	2506	50	High	-0.16	0.064	21.08	22.50	1.387	0.089	/		
State2&4		Right Cheek	0		39750	2506	50	High	0.17	0.134	21.08	22.50	1.387	0.186	/		
State2&4		Right Tilt	0		39750	2506	50	High	-0.18	0.038	21.08	22.50	1.387	0.053	/		
Ant.0	State2&4	QPSK&EN	Left Cheek	0	39750	2506	1	High	0.09	0.124	23.35	24.50	1.303	0.162	/		
	State2&4		Left Tilt	0	39750	2506	1	High	-0.05	0.083	23.35	24.50	1.303	0.108	/		
	State2&4	DC	Right Cheek	0	39750	2506	1	High	-0.03	0.222	23.35	24.50	1.303	0.289	/		

	State2&4		Right Tilt	0	39750	2506	1	High	-0.08	0.099	23.35	24.50	1.303	0.129	/
	State2&4		Left Cheek	0	39750	2506	50	High	0.15	0.094	22.39	23.50	1.291	0.121	/
	State2&4		Left Tilt	0	39750	2506	50	High	-0.01	0.068	22.39	23.50	1.291	0.088	/
	State2&4		Right Cheek	0	39750	2506	50	High	-0.13	0.181	22.39	23.50	1.291	0.234	/
	State2&4		Right Tilt	0	39750	2506	50	High	-0.18	0.085	22.39	23.50	1.291	0.110	/
Body-worn															
Ant.1	State1&3	QPSK	Front Side	15	40620	2593	1	Mid	0.05	0.091	20.72	22.00	1.343	0.122	/
	State1&3		Back Side	15	40620	2593	1	Mid	-0.01	0.156	20.72	22.00	1.343	0.210	/
	State1&3		Front Side	15	39750	2506	50	High	0.18	0.101	20.61	22.00	1.377	0.139	/
	State1&3		Back Side	15	39750	2506	50	High	-0.01	0.164	20.61	22.00	1.377	0.226	/
	State1&3	(ENDC)	Front Side	15	40185	2549.5	1	Mid	0.16	0.053	18.92	19.50	1.143	0.061	/
	State1&3		Back Side	15	40185	2549.5	1	Mid	-0.19	0.091	18.92	19.50	1.143	0.104	/
	State1&3		Front Side	15	39750	2506	50	Mid	-0.05	0.058	18.91	19.50	1.146	0.066	/
	State1&3		Back Side	15	39750	2506	50	Mid	0.05	0.095	18.91	19.50	1.146	0.109	/
Ant.4	State1&3	QPSK	Front Side	15	40620	2593	1	Mid	-0.02	0.036	20.76	22.00	1.330	0.048	/
	State1&3		Back Side	15	40620	2593	1	Mid	-0.16	0.081	20.76	22.00	1.330	0.108	/
	State1&3		Front Side	15	40620	2593	50	Low	0.09	0.038	20.68	22.00	1.355	0.051	/
	State1&3		Back Side	15	40620	2593	50	Low	-0.04	0.083	20.68	22.00	1.355	0.112	/
Ant.0	State1&3	QPSK	Front Side	15	39750	2506	1	High	0.03	0.165	23.35	24.50	1.303	0.215	/
	State1&3		Back Side	15	39750	2506	1	High	0.11	0.242	23.35	24.50	1.303	0.315	55#
	State1&3		Front Side	15	39750	2506	50	High	0.10	0.138	22.39	23.50	1.291	0.178	/
	State1&3		Back Side	15	39750	2506	50	High	0.19	0.183	22.39	23.50	1.291	0.236	/
	State1&3	QPSK(EN DC)	Front Side	15	40185	2549.5	1	Mid	0.01	0.083	21.28	21.50	1.052	0.087	/
	State1&3		Back Side	15	40185	2549.5	1	Mid	0.04	0.115	21.28	21.50	1.052	0.121	/
	State1&3		Front Side	15	41055	2636.5	50	Mid	0.03	0.086	21.20	21.50	1.072	0.092	/
	State1&3		Back Side	15	41055	2636.5	50	Mid	-0.16	0.119	21.20	21.50	1.072	0.128	/
Hotspot															
Ant.1	State3	QPSK	Front Side	10	40620	2593	1	Mid	-0.08	0.181	20.72	22.00	1.343	0.243	/
	State3		Back Side	10	40620	2593	1	Mid	-0.03	0.358	20.72	22.00	1.343	0.481	/
	State3		Right Edge	10	40620	2593	1	Mid	-0.16	0.308	20.72	22.00	1.343	0.414	/
	State3		Top Edge	10	40620	2593	1	Mid	0.00	0.159	20.72	22.00	1.343	0.214	/
	State3		Front Side	10	39750	2506	50	High	0.18	0.192	20.61	22.00	1.377	0.264	/
	State3		Back Side	10	39750	2506	50	High	-0.10	0.374	20.61	22.00	1.377	0.515	/
	State3		Right Edge	10	39750	2506	50	High	0.01	0.295	20.61	22.00	1.377	0.406	/
	State3		Top Edge	10	39750	2506	50	High	-0.18	0.283	20.61	22.00	1.377	0.390	/
	State3	QPSK (ENDC)	Front Side	10	40185	2549.5	1	Mid	0.08	0.106	18.92	19.50	1.143	0.121	/
	State3		Back Side	10	40185	2549.5	1	Mid	-0.02	0.232	18.92	19.50	1.143	0.265	/
	State3		Right Edge	10	40185	2549.5	1	Mid	0.03	0.148	18.92	19.50	1.143	0.169	/
	State3		Top Edge	10	40185	2549.5	1	Mid	-0.14	0.321	18.92	19.50	1.143	0.367	/
			Front Side	10	39750	2506	50	Mid	0.10	0.116	18.91	19.50	1.146	0.133	/
			Back Side	10	39750	2506	50	Mid	-0.02	0.226	18.91	19.50	1.146	0.259	/
	State3		Right Edge	10	39750	2506	50	Mid	-0.06	0.174	18.91	19.50	1.146	0.199	/
	State3		Top Edge	10	39750	2506	50	Mid	-0.03	0.343	18.91	19.50	1.146	0.393	/

Ant.4	State3	QPSK	Front Side	10	40620	2593	1	Mid	0.19	0.023	20.76	22.00	1.330	0.031	/
	State3		Back Side	10	40620	2593	1	Mid	-0.07	0.179	20.76	22.00	1.330	0.238	/
	State3		Right Edge	10	40620	2593	1	Mid	0.03	0.176	20.76	22.00	1.330	0.234	/
	State3		Top Edge	10	40620	2593	1	Mid	-0.13	0.011	20.76	22.00	1.330	0.015	/
	State3		Front Side	10	40620	2593	50	Low	0.01	0.018	20.68	22.00	1.355	0.024	/
	State3		Back Side	10	40620	2593	50	Low	0.00	0.219	20.68	22.00	1.355	0.297	/
	State3		Right Edge	10	40620	2593	50	Low	-0.02	0.179	20.68	22.00	1.355	0.243	/
	State3		Top Edge	10	40620	2593	50	Low	0.01	0.009	20.68	22.00	1.355	0.012	/
Ant.0	State3	QPSK	Front Side	10	39750	2506	1	High	0.03	0.288	23.35	24.50	1.303	0.375	/
	State3		Back Side	10	39750	2506	1	High	0.13	0.429	23.35	24.50	1.303	0.559	57#
	State3		LeftEdge	10	39750	2506	1	High	-0.07	0.165	23.35	24.50	1.303	0.215	/
	State3		Right Edge	10	39750	2506	1	High	-0.11	0.021	23.35	24.50	1.303	0.027	/
	State3		Bottom Edge	10	39750	2506	1	High	-0.07	0.223	23.35	24.50	1.303	0.291	/
	State3		Front Side	10	39750	2506	50	High	0.11	0.231	22.39	23.50	1.291	0.298	/
	State3		Back Side	10	39750	2506	50	High	-0.05	0.374	22.39	23.50	1.291	0.483	/
	State3		Left Edge	10	39750	2506	50	High	0.13	0.138	22.39	23.50	1.291	0.178	/
	State3		Right Edge	10	39750	2506	50	High	-0.01	0.012	22.39	23.50	1.291	0.015	/
	State3		Bottom Edge	10	39750	2506	50	High	0.02	0.184	22.39	23.50	1.291	0.238	/
Ant.0	State3	QPSK	Front Side	10	40185	2549.5	1	Mid	0.02	0.154	21.28	21.50	1.052	0.162	/
	State3		Back Side	10	40185	2549.5	1	Mid	0.17	0.233	21.28	21.50	1.052	0.245	/
	State3		LeftEdge	10	40185	2549.5	1	Mid	0.02	0.083	21.28	21.50	1.052	0.087	/
	State3		Right Edge	10	40185	2549.5	1	Mid	-0.13	0.011	21.28	21.50	1.052	0.012	/
	State3		Bottom Edge	10	40185	2549.5	1	Mid	0.17	0.116	21.28	21.50	1.052	0.122	/
	State3	(ENDC)	Front Side	10	41055	2636.5	50	Mid	0.04	0.121	21.20	21.50	1.072	0.130	/
	State3		Back Side	10	41055	2636.5	50	Mid	0.13	0.223	21.20	21.50	1.072	0.239	/
	State3		Left Edge	10	41055	2636.5	50	Mid	0.17	0.074	21.20	21.50	1.072	0.079	/
	State3		Right Edge	10	41055	2636.5	50	Mid	-0.16	0.006	21.20	21.50	1.072	0.006	/
	State3		Bottom Edge	10	41055	2636.5	50	Mid	-0.18	0.113	21.20	21.50	1.072	0.121	/

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

11.19 LTE Band 41 Worse case for CA Test

Antenna	DSI State	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune power (dBm)	Scaling Factor	1g Report SAR (W/kg)	Meas. No.
Head-CA															
Ant.1	State2&4	QPSK	Right Cheek	0	40620 +40818	2593 +2612.8	1+1	High +Low	-0.19	0.699	20.23	21.00	1.194	0.835	54#
Body-worn-CA															
Ant.0	State1&3	QPSK	Back Side	15	39750 +39948	2593 +2612.8	1+1	High +Low	0.09	0.180	23.55	24.50	1.245	0.224	56#
Hotspot-CA															
Ant.0	State1&3	QPSK	Back Side	10	39750 +39948	2593 +2612.8	1+1	High +Low	0.07	0.350	23.55	24.50	1.245	0.436	58#
Note: Refer to ANNEX C for the detailed test data for each test configuration.															

11.20 5G n5 (20MHz Bandwidth)

Antenna	Power Reduction	Mode	Information	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB UL	RB Num.	RB Start	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.			
Head																				
Ant.1	State2&4	DFT-s-OFDM BPSK	SA	Left Cheek	0	167300	836.5	133	1	64	-0.08	0.363	21.71	23.20	1.409	0.512	/			
	State2&4			Left Tilt	0	167300	836.5	133	1	64	0.16	0.323	21.71	23.20	1.409	0.455	/			
	State2&4			Right Cheek	0	167300	836.5	133	1	64	0.06	0.689	21.71	23.20	1.409	0.971	59#			
	State2&4			Right Tilt	0	167300	836.5	133	1	64	-0.19	0.533	21.71	23.20	1.409	0.751	/			
	State2&4			Left Cheek	0	167300	836.5	133	64	32	-0.18	0.336	21.94	23.20	1.337	0.449	/			
	State2&4			Left Tilt	0	167300	836.5	133	64	32	-0.17	0.324	21.94	23.20	1.337	0.433	/			
	State2&4			Right Cheek	0	167300	836.5	133	64	32	0.05	0.517	21.94	23.20	1.337	0.691	/			
	State2&4			Right Tilt	0	167300	836.5	133	64	32	-0.13	0.428	21.94	23.20	1.337	0.572	/			
	State2&4	DFT-s-OFDM BPSK	NSA	Left Cheek	0	167300	836.5	133	1	64	0.19	0.341	20.25	21.70	1.396	0.476	/			
	State2&4			Left Tilt	0	167300	836.5	133	1	64	-0.19	0.297	20.25	21.70	1.396	0.415	/			
	State2&4			Right Cheek	0	167300	836.5	133	1	64	-0.15	0.524	20.25	21.70	1.396	0.732	/			
	State2&4			Right Tilt	0	167300	836.5	133	1	64	-0.03	0.491	20.25	21.70	1.396	0.686	/			
	State2&4			Left Cheek	0	167300	836.5	133	64	0	0.13	0.313	20.33	21.70	1.371	0.429	/			
	State2&4			Left Tilt	0	167300	836.5	133	64	0	0.06	0.299	20.33	21.70	1.371	0.410	/			
Ant.0	State2&4	DFT-s-OFDM BPSK	SA	Right Cheek	0	167300	836.5	133	64	0	-0.18	0.473	20.33	21.70	1.371	0.648	/			
	State2&4			Right Tilt	0	167300	836.5	133	64	0	0.19	0.393	20.33	21.70	1.371	0.539	/			
	State2&4			Left Cheek	0	167300	836.5	133	1	64	0.03	0.050	22.44	24.20	1.500	0.075	/			
	State2&4			Left Tilt	0	167300	836.5	133	1	64	-0.02	0.031	22.44	24.20	1.500	0.046	/			
	State2&4			Right Cheek	0	167300	836.5	133	1	64	0.09	0.041	22.44	24.20	1.500	0.061	/			
	State2&4			Right Tilt	0	167300	836.5	133	1	64	0.07	0.023	22.44	24.20	1.500	0.034	/			
	State2&4			Left Cheek	0	167300	836.5	133	64	64	0.12	0.045	22.51	24.20	1.476	0.066	/			
	State2&4			Left Tilt	0	167300	836.5	133	64	64	0.18	0.028	22.51	24.20	1.476	0.041	/			
Ant.0	State2&4	DFT-s-OFDM BPSK	SA	Right Cheek	0	167300	836.5	133	64	64	-0.15	0.039	22.51	24.20	1.476	0.058	/			
	State2&4			Right Tilt	0	167300	836.5	133	64	64	0.01	0.019	22.51	24.20	1.476	0.028	/			
	State1&3			DFT-s-OFDM BPSK	SA	Front Side	15	167300	836.5	133	1	64	0.10	0.109	22.24	24.20	1.570	0.171	/	
	State1&3					Back Side	15	167300	836.5	133	1	64	-0.01	0.136	22.24	24.20	1.570	0.214	60#	
	State1&3					Front Side	15	167300	836.5	133	64	32	0.03	0.092	22.30	24.20	1.549	0.142	/	
	State1&3					Back Side	15	167300	836.5	133	64	32	-0.10	0.103	22.30	24.20	1.549	0.160	/	
	Ant.0			State1&3	DFT-s-OFDM BPSK	SA	Front Side	15	167300	836.5	133	1	64	0.12	0.041	22.44	24.20	1.500	0.061	/
				State1&3			Back Side	15	167300	836.5	133	1	64	-0.01	0.087	22.44	24.20	1.500	0.130	/
Body-worn																				

	State1&3			Front Side	15	167300	836.5	133	64	64	0.09	0.036	22.51	24.20	1.476	0.053	/	
	State1&3			Back Side	15	167300	836.5	133	64	64	0.00	0.065	22.51	24.20	1.476	0.096	/	
Hotspot																		
Ant.1	State3	DFT-s-OFDM	SA&NSA	Front Side	10	167300	836.5	133	1	64	0.08	0.128	22.24	24.20	1.570	0.201	/	
	State3			Back Side	10	167300	836.5	133	1	64	-0.05	0.156	22.24	24.20	1.570	0.245	/	
	State3			Right Edge	10	167300	836.5	133	1	64	0.10	0.123	22.24	24.20	1.570	0.193	/	
	State3			Top Edge	10	167300	836.5	133	1	64	-0.15	0.182	22.24	24.20	1.570	0.286	61#	
	State3	BPSK		Front Side	10	167300	836.5	133	64	32	0.13	0.102	22.30	24.20	1.549	0.158	/	
	State3			Back Side	10	167300	836.5	133	64	32	-0.10	0.118	22.30	24.20	1.549	0.183	/	
	State3			Right Edge	10	167300	836.5	133	64	32	0.12	0.095	22.30	24.20	1.549	0.147	/	
	State3			Top Edge	10	167300	836.5	133	64	32	-0.08	0.134	22.30	24.20	1.549	0.208	/	
Ant.0	State3	DFT-s-OFDM	SA&NSA	Front Side	10	167300	836.5	133	1	64	0.17	0.071	22.44	24.20	1.500	0.106	/	
	State3			Back Side	10	167300	836.5	133	1	64	0.00	0.163	22.44	24.20	1.500	0.244	/	
	State3			Left Edge	10	167300	836.5	133	1	64	0.11	0.022	22.44	24.20	1.500	0.033	/	
	State3			Right Edge	10	167300	836.5	133	1	64	-0.18	0.052	22.44	24.20	1.500	0.078	/	
	State3	BPSK		Bottom Edge	10	167300	836.5	133	1	64	-0.15	0.133	22.44	24.20	1.500	0.199	/	
	State3			Front Side	10	167300	836.5	133	64	64	-0.11	0.050	22.51	24.20	1.476	0.074	/	
	State3			Back Side	10	167300	836.5	133	64	64	0.03	0.109	22.51	24.20	1.476	0.161	/	
	State3			Left Edge	10	167300	836.5	133	64	64	0.13	0.021	22.51	24.20	1.476	0.031	/	
	State3			Right Edge	10	167300	836.5	133	64	64	0.17	0.045	22.51	24.20	1.476	0.066	/	
	State3			Bottom Edge	10	167300	836.5	133	64	64	0.14	0.111	22.51	24.20	1.476	0.164	/	
Note: Refer to ANNEX C for the detailed test data for each test configuration.																		

11.21 5G n7 (20MHz Bandwidth)

Antenna	Power Reduction	Mode	Information	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB UL	RB Num.	RB Start	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.	
Head																		
Ant.1	State2&4	DFT-s-OFDM BPSK	SA	Left Cheek	0	508000	2542.5	271	1	1	-0.05	0.332	17.81	18.70	1.227	0.408	/	
	State2&4			Left Tilt	0	508000	2542.5	271	1	1	-0.04	0.195	17.81	18.70	1.227	0.239	/	
	State2&4			Right Cheek	0	508000	2542.5	271	1	1	-0.09	0.880	17.81	18.70	1.227	1.080	62#	
	State2&4			Right Tilt	0	508000	2542.5	271	1	1	0.07	0.311	17.81	18.70	1.227	0.382	/	
	State2&4			Left Cheek	0	505000	2527.5	271	135	0	0.06	0.185	17.94	18.70	1.191	0.220	/	
	State2&4			Left Tilt	0	505000	2527.5	271	135	0	0.03	0.823	17.94	18.70	1.191	0.980	/	
	State2&4			Right Cheek	0	505000	2527.5	271	135	0	0.09	0.711	17.94	18.70	1.191	0.847	/	
	State2&4			Right Tilt	0	505000	2527.5	271	135	0	0.13	0.788	17.94	18.70	1.191	0.939	/	
	State2&4			Right Cheek	0	505000	2525	271	1	135	0.01	0.754	17.73	18.70	1.250	0.943	/	
	State2&4			Right Cheek	0	507000	2535	271	1	135	0.19	0.723	17.77	18.70	1.239	0.896	/	
	State2&4			Right Cheek	0	507000	2535	271	135	0	-0.06	0.765	17.83	18.70	1.222	0.935	/	
	State2&4			Right Cheek	0	508000	2542.5	271	135	0	0.09	0.734	17.79	18.70	1.233	0.905	/	
	State2&4	Right Cheek	0	508000	2542.5	271	270	0	0.06	0.223	17.93	18.70	1.194	0.266	/			
	State2&4	DFT-s-OFDM BPSK	NSA	Left Cheek	0	505000	2527.5	271	1	268	0.05	0.265	17.67	18.20	1.130	0.299	/	
	State2&4			Left Tilt	0	505000	2527.5	271	1	268	-0.12	0.163	17.67	18.20	1.130	0.184	/	
	State2&4			Right Cheek	0	505000	2527.5	271	1	268	0.11	0.706	17.67	18.20	1.130	0.798	/	
	State2&4			Right Tilt	0	505000	2527.5	271	1	268	-0.04	0.603	17.67	18.20	1.130	0.681	/	
	State2&4			Left Cheek	0	505000	2527.5	271	135	0	0.10	0.236	17.93	18.20	1.064	0.251	/	
	State2&4			Left Tilt	0	505000	2527.5	271	135	0	-0.14	0.154	17.93	18.20	1.064	0.164	/	
	State2&4			Right Cheek	0	505000	2527.5	271	135	0	0.15	0.713	17.93	18.20	1.064	0.759	/	
	State2&4			Right Tilt	0	505000	2527.5	271	135	0	0.00	0.626	17.93	18.20	1.064	0.666	/	
	Ant.4	State2&4	DFT-s-OFDM BPSK	SA&NSA	Left Cheek	0	508000	2542.5	271	1	268	-0.01	0.098	20.96	22.70	1.493	0.146	/
		State2&4			Left Tilt	0	508000	2542.5	271	1	268	0.08	0.021	20.96	22.70	1.493	0.031	/
		State2&4			Right Cheek	0	508000	2542.5	271	1	268	-0.11	0.188	20.96	22.70	1.493	0.281	/
State2&4		Right Tilt			0	508000	2542.5	271	1	268	-0.17	0.045	20.96	22.70	1.493	0.067	/	
State2&4		Left Cheek			0	507000	2535	271	135	68	0.15	0.105	20.86	22.70	1.528	0.160	/	
State2&4		Left Tilt			0	507000	2535	271	135	68	0.19	0.019	20.86	22.70	1.528	0.029	/	

	State2&4			Right Cheek	0	507000	2535	271	135	68	-0.04	0.188	20.86	22.70	1.528	0.287	/
	State2&4			Right Tilt	0	507000	2535	271	135	68	0.05	0.040	20.86	22.70	1.528	0.061	/
Ant.0	State2&4	DFT-s-OFDM BPSK	SA&NSA	Left Cheek	0	507000	2535	271	1	1	0.11	0.098	22.07	23.70	1.455	0.143	/
	State2&4			Left Tilt	0	507000	2535	271	1	1	0.13	0.015	22.07	23.70	1.455	0.022	/
	State2&4			Right Cheek	0	507000	2535	271	1	1	0.11	0.188	22.07	23.70	1.455	0.274	/
	State2&4			Right Tilt	0	507000	2535	271	1	1	0.11	0.045	22.07	23.70	1.455	0.065	/
	State2&4			Left Cheek	0	507000	2535	271	135	68	0.04	0.105	22.13	23.70	1.435	0.151	/
	State2&4			Left Tilt	0	507000	2535	271	135	68	-0.18	0.013	22.13	23.70	1.435	0.019	/
	State2&4			Right Cheek	0	507000	2535	271	135	68	0.11	0.188	22.13	23.70	1.435	0.270	/
	State2&4			Right Tilt	0	507000	2535	271	135	68	-0.14	0.040	22.13	23.70	1.435	0.057	/
Body-worn																	
Ant.1	State1&3	DFT-s-OFDM BPSK	SA	Front Side	15	505000	2527.5	271	1	135	0.00	0.183	19.80	20.70	1.230	0.225	/
	State1&3			Back Side	15	505000	2527.5	271	1	135	0.08	0.254	19.80	20.70	1.230	0.312	63#
	State1&3			Front Side	15	505000	2527.5	271	135	68	0.00	0.165	19.93	20.70	1.194	0.197	/
	State1&3			Back Side	15	505000	2527.5	271	135	68	0.04	0.213	19.93	20.70	1.194	0.254	/
	State1&3	DFT-s-OFDM BPSK	NSA	Front Side	15	507000	2535	271	1	1	0.16	0.106	18.38	18.70	1.076	0.114	/
	State1&3			Back Side	15	507000	2535	271	1	1	-0.13	0.131	18.38	18.70	1.076	0.141	/
	State1&3			Front Side	15	507000	2535	271	135	0	0.19	0.098	18.25	18.70	1.109	0.109	/
	State1&3			Back Side	15	507000	2535	271	135	0	0.17	0.132	18.25	18.70	1.109	0.146	/
Ant.4	State1&3	DFT-s-OFDM BPSK	SA	Front Side	15	507000	2535	271	1	135	0.00	0.021	19.38	20.20	1.208	0.025	/
	State1&3			Back Side	15	507000	2535	271	1	135	-0.12	0.058	19.38	20.20	1.208	0.070	/
	State1&3			Front Side	15	508000	2542.5	271	135	0	0.13	0.018	19.60	20.20	1.148	0.021	/
	State1&3			Back Side	15	508000	2542.5	271	135	0	-0.09	0.081	19.60	20.20	1.148	0.093	/
	State1&3	DFT-s-OFDM BPSK	NSA	Front Side	15	508000	2542.5	271	1	1	0.03	0.011	17.89	18.20	1.074	0.012	/
	State1&3			Back Side	15	508000	2542.5	271	1	1	0.18	0.032	17.89	18.20	1.074	0.034	/
	State1&3			Front Side	15	505000	2527.5	271	135	0	-0.10	0.009	18.09	18.20	1.026	0.009	/
	State1&3			Back Side	15	505000	2527.5	271	135	0	0.17	0.048	18.09	18.20	1.026	0.049	/
Ant.0	State1&3	DFT-s-OFDM BPSK	SA	Front Side	15	507000	2535	271	1	1	0.03	0.125	22.07	23.70	1.455	0.182	/
	State1&3			Back Side	15	507000	2535	271	1	1	-0.04	0.192	22.07	23.70	1.455	0.279	/
	State1&3			Front Side	15	507000	2535	271	135	68	-0.16	0.117	22.13	23.70	1.435	0.168	/
	State1&3			Back Side	15	507000	2535	271	135	68	-0.06	0.216	22.13	23.70	1.435	0.310	/
	State1&3	DFT-s-OFDM BPSK	NSA	Front Side	15	507000	2535	271	1	135	-0.14	0.065	21.00	21.20	1.047	0.068	/
	State1&3			Back Side	15	507000	2535	271	1	135	0.11	0.093	21.00	21.20	1.047	0.097	/
	State1&3			Front Side	15	508000	2542.5	271	135	0	0.10	0.075	21.16	21.20	1.009	0.076	/
	State1&3			Back Side	15	508000	2542.5	271	135	0	-0.18	0.141	21.16	21.20	1.009	0.142	/
Hotspot																	
Ant.1	State3	DFT-s-OFDM BPSK	SA	Front Side	10	505000	2527.5	271	1	135	-0.17	0.303	19.80	20.70	1.230	0.373	/
	State3			Back Side	10	505000	2527.5	271	1	135	0.12	0.469	19.80	20.70	1.230	0.577	64#
	State3			Right Edge	10	505000	2527.5	271	1	135	-0.02	0.411	19.80	20.70	1.230	0.506	/
	State3			Top Edge	10	505000	2527.5	271	1	135	-0.03	0.215	19.80	20.70	1.230	0.265	/

	State3			Front Side	10	505000	2527.5	271	135	68	0.15	0.322	19.93	20.70	1.194	0.384	/	
	State3			Back Side	10	505000	2527.5	271	135	68	0.12	0.439	19.93	20.70	1.194	0.524	/	
	State3			Right Edge	10	505000	2527.5	271	135	68	-0.14	0.371	19.93	20.70	1.194	0.443	/	
	State3			Top Edge	10	505000	2527.5	271	135	68	-0.13	0.218	19.93	20.70	1.194	0.260	/	
	State3	DFT-s-OFDM	NSA	Front Side	10	507000	2535	271	1	1	0.13	0.182	18.38	18.70	1.076	0.196	/	
	State3			Back Side	10	507000	2535	271	1	1	-0.19	0.316	18.38	18.70	1.076	0.340	/	
	State3			Right Edge	10	507000	2535	271	1	1	-0.13	0.268	18.38	18.70	1.076	0.288	/	
	State3			Top Edge	10	507000	2535	271	1	1	-0.10	0.141	18.38	18.70	1.076	0.152	/	
	State3			BPSK	Front Side	10	507000	2535	271	135	0	-0.14	0.213	18.25	18.70	1.109	0.236	/
	State3				Back Side	10	507000	2535	271	135	0	-0.07	0.302	18.25	18.70	1.109	0.335	/
	State3				Right Edge	10	507000	2535	271	135	0	0.14	0.226	18.25	18.70	1.109	0.251	/
	State3				Top Edge	10	507000	2535	271	135	0	0.14	0.128	18.25	18.70	1.109	0.142	/
	Ant.4	State3	DFT-s-OFDM	SA	Front Side	10	507000	2535	271	1	135	0.15	0.051	19.38	20.20	1.208	0.062	/
		State3			Back Side	10	507000	2535	271	1	135	0.17	0.258	19.38	20.20	1.208	0.312	/
		State3			Right Edge	10	507000	2535	271	1	135	-0.13	0.203	19.38	20.20	1.208	0.245	/
		State3			Top Edge	10	507000	2535	271	1	135	0.11	0.025	19.38	20.20	1.208	0.030	/
State3		BPSK	Front Side	10	508000	2542.5	271	135	0	0.14	0.052	19.60	20.20	1.148	0.060	/		
State3			Back Side	10	508000	2542.5	271	135	0	0.12	0.279	19.60	20.20	1.148	0.320	/		
State3			Right Edge	10	508000	2542.5	271	135	0	-0.17	0.222	19.60	20.20	1.148	0.255	/		
State3			Top Edge	10	508000	2542.5	271	135	0	0.14	0.021	19.60	20.20	1.148	0.024	/		
State3		DFT-s-OFDM	NSA	Front Side	10	508000	2542.5	271	1	1	0.06	0.028	17.89	18.20	1.074	0.030	/	
State3				Back Side	10	508000	2542.5	271	1	1	0.15	0.151	17.89	18.20	1.074	0.162	/	
State3				Right Edge	10	508000	2542.5	271	1	1	0.09	0.113	17.89	18.20	1.074	0.121	/	
State3				Top Edge	10	508000	2542.5	271	1	1	0.14	0.016	17.89	18.20	1.074	0.017	/	
State3				BPSK	Front Side	10	505000	2527.5	271	135	0	0.17	0.028	18.09	18.20	1.026	0.029	/
State3					Back Side	10	505000	2527.5	271	135	0	0.09	0.163	18.09	18.20	1.026	0.167	/
State3					Right Edge	10	505000	2527.5	271	135	0	-0.01	0.132	18.09	18.20	1.026	0.135	/
State3					Top Edge	10	505000	2527.5	271	135	0	-0.19	0.014	18.09	18.20	1.026	0.014	/
Ant.0	State3	DFT-s-OFDM	SA	Front Side	10	507000	2535	271	1	1	-0.06	0.263	22.07	23.70	1.455	0.383	/	
	State3			Back Side	10	507000	2535	271	1	1	0.13	0.391	22.07	23.70	1.455	0.569	/	
	State3			Left Edge	10	507000	2535	271	1	1	0.03	0.264	22.07	23.70	1.455	0.384	/	
	State3			Right Edge	10	507000	2535	271	1	1	-0.17	0.056	22.07	23.70	1.455	0.082	/	
	State3			Bottom Edge	10	507000	2535	271	1	1	0.16	0.256	22.07	23.70	1.455	0.373	/	
	State3			BPSK	Front Side	10	507000	2535	271	135	68	0.03	0.266	22.13	23.70	1.435	0.382	/
	State3				Back Side	10	507000	2535	271	135	68	0.09	0.385	22.13	23.70	1.435	0.553	/
	State3				Left Edge	10	507000	2535	271	135	68	-0.12	0.223	22.13	23.70	1.435	0.320	/
	State3				Right Edge	10	507000	2535	271	135	68	0.11	0.051	22.13	23.70	1.435	0.073	/
	State3				Bottom Edge	10	507000	2535	271	135	68	0.14	0.232	22.13	23.70	1.435	0.333	/
	State3	DFT-s-OFDM	NSA	Front Side	10	507000	2535	271	1	135	-0.14	0.132	21.00	21.20	1.047	0.138	/	
	State3			Back Side	10	507000	2535	271	1	135	0.18	0.218	21.00	21.20	1.047	0.228	/	
	State3			Left Edge	10	507000	2535	271	1	135	-0.19	0.155	21.00	21.20	1.047	0.162	/	

	State3			Right Edge	10	507000	2535	271	1	135	0.01	0.028	21.00	21.20	1.047	0.029	/
	State3			Bottom Edge	10	507000	2535	271	1	135	0.03	0.151	21.00	21.20	1.047	0.158	/
	State3			Front Side	10	508000	2542.5	271	135	0	0.01	0.172	21.16	21.20	1.009	0.174	/
	State3			Back Side	10	508000	2542.5	271	135	0	-0.06	0.282	21.16	21.20	1.009	0.285	/
	State3			Left Edge	10	508000	2542.5	271	135	0	-0.14	0.142	21.16	21.20	1.009	0.143	/
	State3			Right Edge	10	508000	2542.5	271	135	0	-0.18	0.026	21.16	21.20	1.009	0.026	/
	State3			Bottom Edge	10	508000	2542.5	271	135	0	0.14	0.153	21.16	21.20	1.009	0.154	/

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

Antenna	Power Reduction	Mode	Information	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB UL	RB Num.	RB Start	Power Drift (dB)	10g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	10g Scaled SAR (W/kg)	Meas. No.
Specific																	
Ant.1	State1&3	DFT-s-OF DM BPSK	SA	Back Side	0	505000	2527.5	271	1	135	0.08	1.570	19.80	20.70	1.230	1.932	65#

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

11.22 5G n38 (20MHz Bandwidth)

Antenna	Power Reduction	Mode	Information	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB UL	RB Num.	RB Start	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head																	
Ant. 1	State2&4	DFT-s-OFDM BPSK	SA	Left Cheek	0	520000	2600	106	1	53	0.18	0.265	17.36	18.20	1.213	0.322	/
	State2&4			Left Tilt	0	520000	2600	106	1	53	0.05	0.241	17.36	18.20	1.213	0.292	/
	State2&4			Right Cheek	0	520000	2600	106	1	53	0.06	0.811	17.36	18.20	1.213	0.984	66#
	State2&4			Right Tilt	0	520000	2600	106	1	53	0.15	0.711	17.36	18.20	1.213	0.863	/
	State2&4			Left Cheek	0	518000	2590	106	50	28	0.02	0.256	17.50	18.20	1.175	0.301	/
	State2&4			Left Tilt	0	518000	2590	106	50	28	0.01	0.216	17.50	18.20	1.175	0.254	/
	State2&4			Right Cheek	0	518000	2590	106	50	28	-0.01	0.765	17.50	18.20	1.175	0.899	/
	State2&4			Right Tilt	0	518000	2590	106	50	28	0.01	0.722	17.50	18.20	1.175	0.848	/
	State2&4			Right Cheek	0	518000	2590	106	1	53	0.03	0.716	17.33	18.20	1.222	0.875	/
	State2&4			Right Cheek	0	519000	2595	106	1	53	0.11	0.731	17.35	18.20	1.216	0.889	/
	State2&4	Right Cheek	0	519000	2595	106	50	28	-0.07	0.744	17.32	18.20	1.225	0.911	/		
	State2&4	Right Cheek	0	520000	2600	106	50	28	0.09	0.706	17.46	18.20	1.186	0.837	/		
	State2&4	Right Cheek	0	520000	2600	106	100	0	0.11	0.716	17.51	18.20	1.172	0.839	/		
	State2&4	DFT-s-OFDM BPSK	NSA	Left Cheek	0	518000	2590	106	1	1	0.07	0.195	17.84	18.20	1.086	0.212	/
	State2&4			Left Tilt	0	518000	2590	106	1	1	-0.02	0.182	17.84	18.20	1.086	0.198	/
	State2&4			Right Cheek	0	518000	2590	106	1	1	0.05	0.565	17.84	18.20	1.086	0.614	/
	State2&4			Right Tilt	0	518000	2590	106	1	1	0.18	0.523	17.84	18.20	1.086	0.568	/
	State2&4			Left Cheek	0	520000	2600	106	50	56	0.15	0.172	17.82	18.20	1.091	0.188	/
	State2&4			Left Tilt	0	520000	2600	106	50	56	-0.02	0.166	17.82	18.20	1.091	0.181	/
	State2&4			Right Cheek	0	520000	2600	106	50	56	-0.17	0.553	17.82	18.20	1.091	0.604	/
State2&4	Right Tilt			0	520000	2600	106	50	56	0.00	0.506	17.82	18.20	1.091	0.552	/	
Ant. 4	State2&4	DFT-s-OFDM BPSK	SA&NSA	Left Cheek	0	520000	2600	106	1	104	0.06	0.127	21.40	23.20	1.514	0.192	/
	State2&4			Left Tilt	0	520000	2600	106	1	104	0.11	0.026	21.40	23.20	1.514	0.039	/
	State2&4			Right Cheek	0	520000	2600	106	1	104	0.02	0.268	21.40	23.20	1.514	0.406	/
	State2&4			Right Tilt	0	520000	2600	106	1	104	-0.07	0.066	21.40	23.20	1.514	0.100	/
	State2&4			Left Cheek	0	518000	2590	106	50	28	-0.12	0.134	21.65	23.20	1.429	0.191	/
	State2&4			Left Tilt	0	518000	2590	106	50	28	0.05	0.000	21.65	23.20	1.429	0.000	/
	State2&4			Right Cheek	0	518000	2590	106	50	28	-0.07	0.272	21.65	23.20	1.429	0.389	/
	State2&4			Right Tilt	0	518000	2590	106	50	28	-0.08	0.067	21.65	23.20	1.429	0.096	/
Ant. 0	State2&4	DFT-s-OFDM BPSK	SA&NSA	Left Cheek	0	519000	2595	106	1	53	-0.03	0.157	22.56	24.20	1.459	0.229	/
	State2&4			Left Tilt	0	519000	2595	106	1	53	0.07	0.014	22.56	24.20	1.459	0.020	/
	State2&4			Right Cheek	0	519000	2595	106	1	53	0.05	0.299	22.56	24.20	1.459	0.436	/
	State2&4			Right Tilt	0	519000	2595	106	1	53	0.02	0.109	22.56	24.20	1.459	0.159	/
	State2&4			Left Cheek	0	520000	2600	106	50	28	-0.09	0.156	22.64	24.20	1.432	0.223	/
	State2&4			Left Tilt	0	520000	2600	106	50	28	0.12	0.012	22.64	24.20	1.432	0.017	/
	State2&4			Right Cheek	0	520000	2600	106	50	28	-0.01	0.314	22.64	24.20	1.432	0.450	/

	State2&4			Right Tilt	0	520000	2600	106	50	28	-0.04	0.115	22.64	24.20	1.432	0.165	/	
Body-worn																		
Ant.1	State1&3	DFT-s-OFDM	SA	Front Side	15	519000	2595	106	1	53	-0.04	0.120	19.34	20.20	1.219	0.146	/	
	State1&3			Back Side	15	519000	2595	106	1	53	0.19	0.197	19.34	20.20	1.219	0.240	/	
	State1&3			BPSK	Front Side	15	520000	2600	106	50	0	-0.09	0.118	19.43	20.20	1.194	0.141	/
	State1&3				Back Side	15	520000	2600	106	50	0	0.17	0.201	19.43	20.20	1.194	0.240	/
	State1&3	DFT-s-OFDM	NSA	Front Side	15	519000	2595	106	1	53	0.11	0.064	17.29	17.70	1.099	0.070	/	
	State1&3			Back Side	15	519000	2595	106	1	53	0.19	0.106	17.29	17.70	1.099	0.116	/	
	State1&3			BPSK	Front Side	15	518000	2590	106	50	56	-0.19	0.058	17.35	17.70	1.084	0.063	/
	State1&3				Back Side	15	518000	2590	106	50	56	0.10	0.106	17.35	17.70	1.084	0.115	/
Ant.4	State1&3	DFT-s-OFDM	SA	Front Side	15	519000	2595	106	1	53	-0.10	0.035	18.39	19.70	1.352	0.047	/	
	State1&3			Back Side	15	519000	2595	106	1	53	-0.10	0.092	18.39	19.70	1.352	0.124	/	
	State1&3			BPSK	Front Side	15	520000	2600	106	50	28	0.02	0.038	18.60	19.70	1.288	0.049	/
	State1&3				Back Side	15	520000	2600	106	50	28	0.00	0.096	18.60	19.70	1.288	0.124	/
	State1&3	DFT-s-OFDM	NSA	Front Side	15	519000	2595	106	1	53	0.10	0.021	16.85	17.20	1.084	0.023	/	
	State1&3			Back Side	15	519000	2595	106	1	53	0.16	0.055	16.85	17.20	1.084	0.060	/	
	State1&3			BPSK	Front Side	15	520000	2600	106	50	56	0.16	0.023	16.93	17.20	1.064	0.024	/
	State1&3				Back Side	15	520000	2600	106	50	56	0.05	0.058	16.93	17.20	1.064	0.062	/
Ant.0	State1&3	DFT-s-OFDM	SA	Front Side	15	519000	2595	106	1	53	-0.19	0.130	21.53	22.20	1.167	0.152	/	
	State1&3			Back Side	15	519000	2595	106	1	53	-0.08	0.211	21.53	22.20	1.167	0.246	67#	
	State1&3			BPSK	Front Side	15	520000	2600	106	50	0	0.00	0.131	21.72	22.20	1.117	0.146	/
	State1&3				Back Side	15	520000	2600	106	50	0	0.11	0.192	21.72	22.20	1.117	0.214	/
	State1&3	DFT-s-OFDM	NSA	Front Side	15	519000	2595	106	1	53	0.09	0.078	19.98	20.20	1.052	0.082	/	
	State1&3			Back Side	15	519000	2595	106	1	53	0.16	0.126	19.98	20.20	1.052	0.133	/	
	State1&3			BPSK	Front Side	15	518000	2590	106	50	28	0.10	0.081	20.16	20.20	1.009	0.082	/
	State1&3				Back Side	15	518000	2590	106	50	28	0.15	0.119	20.16	20.20	1.009	0.120	/
Hotspot																		
Ant.1	State3	DFT-s-OFDM	SA	Front Side	10	519000	2595	106	1	53	0.04	0.312	19.34	20.20	1.219	0.380	/	
	State3			Back Side	10	519000	2595	106	1	53	-0.04	0.516	19.34	20.20	1.219	0.629	/	
	State3			Right Edge	10	519000	2595	106	1	53	0.10	0.483	19.34	20.20	1.219	0.589	/	
	State3			Top Edge	10	519000	2595	106	1	53	-0.08	0.265	19.34	20.20	1.219	0.323	/	
	State3			BPSK	Front Side	10	520000	2600	106	50	0	0.00	0.301	19.43	20.20	1.194	0.359	/
	State3				Back Side	10	520000	2600	106	50	0	0.19	0.535	19.43	20.20	1.194	0.639	68#
	State3				Right Edge	10	520000	2600	106	50	0	0.09	0.474	19.43	20.20	1.194	0.566	/
	State3				Top Edge	10	520000	2600	106	50	0	0.05	0.273	19.43	20.20	1.194	0.326	/
	State3	DFT-s-OFDM	NSA	Front Side	10	519000	2595	106	1	53	0.02	0.132	17.29	17.70	1.099	0.145	/	
	State3			Back Side	10	519000	2595	106	1	53	-0.14	0.227	17.29	17.70	1.099	0.249	/	
	State3			Right Edge	10	519000	2595	106	1	53	-0.17	0.213	17.29	17.70	1.099	0.234	/	
	State3			Top Edge	10	519000	2595	106	1	53	0.07	0.116	17.29	17.70	1.099	0.127	/	
	State3			BPSK	Front Side	10	518000	2590	106	50	56	-0.16	0.135	17.35	17.70	1.084	0.146	/
	State3				Back Side	10	518000	2590	106	50	56	0.15	0.229	17.35	17.70	1.084	0.248	/
	State3				Right Edge	10	518000	2590	106	50	56	-0.17	0.207	17.35	17.70	1.084	0.224	/
	State3				Top Edge	10	518000	2590	106	50	56	0.05	0.115	17.35	17.70	1.084	0.125	/

Ant.4	State3	DFT-s-OFDM	SA	Front Side	10	519000	2595	106	1	53	0.14	0.021	18.39	19.70	1.352	0.028	/	
	State3			Back Side	10	519000	2595	106	1	53	0.15	0.232	18.39	19.70	1.352	0.314	/	
	State3			Right Edge	10	519000	2595	106	1	53	0.10	0.194	18.39	19.70	1.352	0.262	/	
	State3			Top Edge	10	519000	2595	106	1	53	-0.19	0.013	18.39	19.70	1.352	0.018	/	
	State3			BPSK	Front Side	10	520000	2600	106	50	28	-0.18	0.040	18.60	19.70	1.288	0.052	/
	State3				Back Side	10	520000	2600	106	50	28	0.17	0.231	18.60	19.70	1.288	0.298	/
	State3				Right Edge	10	520000	2600	106	50	28	-0.02	0.195	18.60	19.70	1.288	0.251	/
	State3				Top Edge	10	520000	2600	106	50	28	-0.15	0.012	18.60	19.70	1.288	0.015	/
	State3	DFT-s-OFDM	NSA	Front Side	10	519000	2595	106	1	53	-0.04	0.015	16.85	17.20	1.084	0.016	/	
	State3			Back Side	10	519000	2595	106	1	53	-0.06	0.126	16.85	17.20	1.084	0.137	/	
	State3			Right Edge	10	519000	2595	106	1	53	0.11	0.101	16.85	17.20	1.084	0.109	/	
	State3			Top Edge	10	519000	2595	106	1	53	0.06	0.005	16.85	17.20	1.084	0.005	/	
	State3			BPSK	Front Side	10	520000	2600	106	50	56	0.09	0.019	16.93	17.20	1.064	0.020	/
	State3				Back Side	10	520000	2600	106	50	56	0.08	0.123	16.93	17.20	1.064	0.131	/
	State3				Right Edge	10	520000	2600	106	50	56	0.08	0.105	16.93	17.20	1.064	0.112	/
	State3				Top Edge	10	520000	2600	106	50	56	0.12	0.005	16.93	17.20	1.064	0.005	/
Ant.0	State3	DFT-s-OFDM	SA	Front Side	10	519000	2595	106	1	53	0.10	0.257	21.53	22.20	1.167	0.300	/	
	State3			Back Side	10	519000	2595	106	1	53	0.13	0.428	21.53	22.20	1.167	0.499	/	
	State3			Left Edge	10	519000	2595	106	1	53	-0.17	0.249	21.53	22.20	1.167	0.291	/	
	State3			Right Edge	10	519000	2595	106	1	53	0.13	0.022	21.53	22.20	1.167	0.026	/	
	State3			Bottom Edge	10	519000	2595	106	1	53	-0.03	0.228	21.53	22.20	1.167	0.266	/	
	State3			BPSK	Front Side	10	520000	2600	106	50	0	0.19	0.247	21.72	22.20	1.117	0.276	/
	State3				Back Side	10	520000	2600	106	50	0	-0.16	0.399	21.72	22.20	1.117	0.446	/
	State3				Left Edge	10	520000	2600	106	50	0	-0.12	0.221	21.72	22.20	1.117	0.247	/
	State3				Right Edge	10	520000	2600	106	50	0	-0.09	0.015	21.72	22.20	1.117	0.017	/
	State3				Bottom Edge	10	520000	2600	106	50	0	0.11	0.187	21.72	22.20	1.117	0.209	/
	State3	DFT-s-OFDM	NSA	Front Side	10	519000	2595	106	1	53	0.00	0.151	19.98	20.20	1.052	0.159	/	
	State3			Back Side	10	519000	2595	106	1	53	-0.16	0.263	19.98	20.20	1.052	0.277	/	
	State3			Left Edge	10	519000	2595	106	1	53	-0.10	0.152	19.98	20.20	1.052	0.160	/	
	State3			Right Edge	10	519000	2595	106	1	53	0.02	0.013	19.98	20.20	1.052	0.014	/	
	State3			Bottom Edge	10	519000	2595	106	1	53	-0.11	0.132	19.98	20.20	1.052	0.139	/	
	State3			BPSK	Front Side	10	518000	2590	106	50	28	0.04	0.035	20.16	20.20	1.009	0.035	/
	State3				Back Side	10	518000	2590	106	50	28	0.14	0.065	20.16	20.20	1.009	0.066	/
	State3				Left Edge	10	518000	2590	106	50	28	0.01	0.031	20.16	20.20	1.009	0.031	/
	State3				Right Edge	10	518000	2590	106	50	28	0.02	0.005	20.16	20.20	1.009	0.005	/
	State3				Bottom Edge	10	518000	2590	106	50	28	0.00	0.106	20.16	20.20	1.009	0.107	/

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

Antenna	Power Reduction	Mode	Information	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB UL	RB Num.	RB Start	Power Drift (dB)	10g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	10g Scaled SAR (W/kg)	Meas. No.
Specific																	
Ant. 1	State1&3	DFT-s-O	SA	Back Side	0	519000	2595	106	1	53	0.03	1.180	19.34	20.20	1.219	1.438	/
	State1&3	FDM		Right Edge	0	519000	2595	106	1	53	0.05	1.150	19.34	20.20	1.219	1.402	/
	State1&3	BPSK		Back Side	0	520000	2600	106	50	0	-0.11	1.210	19.43	20.20	1.194	1.445	69#
Note: Refer to ANNEX C for the detailed test data for each test configuration.																	

11.23 5G n41 (100MHz Bandwidth)

Antenna	Power Reduction	Mode	Information	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB UL	RB Num.	RB Start	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.	
Head																		
Ant. 1	State2&4	DFT-s-OFDM	SA	Left Cheek	0	518598	2592.99	273	1	137	0.09	0.303	18.27	19.20	1.239	0.375	/	
	State2&4			Left Tilt	0	518598	2592.99	273	1	137	-0.04	0.315	18.27	19.20	1.239	0.390	/	
	State2&4			Right Cheek	0	518598	2592.99	273	1	137	0.02	0.841	18.27	19.20	1.239	1.042	/	
	State2&4			Right Tilt	0	518598	2592.99	273	1	137	0.02	0.742	18.27	19.20	1.239	0.919	/	
	State2&4			Left Cheek	0	528000	2640	273	135	0	-0.11	0.306	18.57	19.20	1.156	0.354	/	
	State2&4			Left Tilt	0	528000	2640	273	135	0	0.04	0.274	18.57	19.20	1.156	0.317	/	
	State2&4			Right Cheek	0	528000	2640	273	135	0	0.14	1.000	18.57	19.20	1.156	1.156	70#	
	State2&4			Right Tilt	0	528000	2640	273	135	0	-0.03	0.858	18.57	19.20	1.156	0.992	/	
	State2&4			Right Cheek	0	509202	2546.01	273	1	137	0.07	0.921	18.24	19.20	1.247	1.149	/	
	State2&4			Right Cheek	0	513900	2569.5	273	1	271	0.07	0.911	18.24	19.20	1.247	1.136	/	
	State2&4			Right Cheek	0	523302	2616.51	273	1	1	0.10	0.906	18.22	19.20	1.253	1.135	/	
	State2&4			Right Cheek	0	528000	2640	273	1	1	-0.04	0.911	18.22	19.20	1.253	1.142	/	
	State2&4			Right Cheek	0	509202	2546.01	273	135	0	0.14	0.906	18.47	19.20	1.183	1.072	/	
	State2&4			Right Cheek	0	513900	2569.5	273	135	0	-0.06	0.903	18.38	19.20	1.208	1.091	/	
	State2&4			Right Cheek	0	523302	2616.51	273	135	0	0.18	0.898	18.57	19.20	1.156	1.038	/	
	State2&4			Right Cheek	0	518598	2592.99	273	135	69	-0.05	0.874	18.38	19.20	1.208	1.056	/	
	State2&4			Right Cheek	0	528000	2640	273	270	0	0.17	0.921	18.43	19.20	1.194	1.100	/	
	State2&4			Right Tilt	0	509202	2546.01	273	1	137	0.04	0.791	18.24	19.20	1.247	0.987	/	
	State2&4	Right Tilt	0	513900	2569.5	273	1	271	-0.07	0.749	18.24	19.20	1.247	0.934	/			
	State2&4	Right Tilt	0	523302	2616.51	273	1	1	-0.11	0.706	18.22	19.20	1.253	0.885	/			
	State2&4	Right Tilt	0	528000	2640	273	1	1	-0.13	0.790	18.22	19.20	1.253	0.990	/			
	State2&4	Right Tilt	0	509202	2546.01	273	135	0	-0.08	0.755	18.47	19.20	1.183	0.893	/			
	State2&4	Right Tilt	0	513900	2569.5	273	135	0	0.16	0.791	18.38	19.20	1.208	0.955	/			
	State2&4	Right Tilt	0	523302	2616.51	273	135	0	-0.01	0.701	18.57	19.20	1.156	0.810	/			
	State2&4	Right Tilt	0	518598	2592.99	273	135	69	0.19	0.747	18.38	19.20	1.208	0.902	/			
	State2&4	Right Tilt	0	528000	2640	273	270	0	-0.02	0.779	18.43	19.20	1.194	0.930	/			
	State2&4	Left Cheek	DFT-s-OFDM	NSA	Left Cheek	0	518598	2592.99	273	1	137	0.11	0.206	16.77	17.70	1.239	0.255	/
	State2&4	Left Tilt			0	518598	2592.99	273	1	137	-0.12	0.213	16.77	17.70	1.239	0.264	/	
	State2&4	Right Cheek			0	518598	2592.99	273	1	137	0.13	0.584	16.77	17.70	1.239	0.723	/	
	State2&4	Right Tilt			0	518598	2592.99	273	1	137	0.17	0.516	16.77	17.70	1.239	0.639	/	
	State2&4	Left Cheek			0	513900	2569.5	273	135	69	-0.17	0.227	17.05	17.70	1.161	0.264	/	
	State2&4	Left Tilt			0	513900	2569.5	273	135	69	0.14	0.184	17.05	17.70	1.161	0.214	/	
	State2&4	Right Cheek			0	513900	2569.5	273	135	69	0.10	0.681	17.05	17.70	1.161	0.791	/	
	State2&4	Right Tilt			0	513900	2569.5	273	135	69	-0.09	0.617	17.05	17.70	1.161	0.717	/	
	State2&4	Right Cheek			0	509202	2546.01	273	1	137	-0.15	0.634	16.77	17.70	1.239	0.785	/	
	State2&4	Right Cheek			0	513900	2569.5	273	1	137	-0.17	0.625	16.77	17.70	1.239	0.774	/	

	State2&4			Right Cheek	0	523302	2616.51	273	1	1	-0.10	0.631	16.75	17.70	1.245	0.785	/
	State2&4			Right Cheek	0	528000	2640	273	1	1	0.07	0.624	16.74	17.70	1.247	0.778	/
	State2&4			Right Cheek	0	509202	2546.01	273	135	0	-0.17	0.637	17.05	17.70	1.161	0.740	/
	State2&4			Right Cheek	0	518598	2592.99	273	135	69	-0.15	0.629	16.87	17.70	1.211	0.761	/
	State2&4			Right Cheek	0	523302	2616.51	273	135	69	0.06	0.616	16.80	17.70	1.230	0.758	/
	State2&4			Right Cheek	0	528000	2640	273	135	0	0.14	0.629	16.99	17.70	1.178	0.741	/
	State2&4			Right Cheek	0	528000	2640	273	270	0	-0.04	0.644	16.96	17.70	1.186	0.764	/
Ant.4	State2&4	DFT-s-OFDM BPSK	SA&NSA	Left Cheek	0	528000	2640	273	1	137	0.13	0.081	21.46	23.20	1.493	0.121	/
	State2&4			Left Tilt	0	528000	2640	273	1	137	-0.12	0.021	21.46	23.20	1.493	0.031	/
	State2&4			Right Cheek	0	528000	2640	273	1	137	0.03	0.221	21.46	23.20	1.493	0.330	/
	State2&4			Right Tilt	0	528000	2640	273	1	137	-0.04	0.050	21.46	23.20	1.493	0.075	/
	State2&4			Left Cheek	0	509202	2546.01	273	135	69	0.13	0.085	21.52	23.20	1.472	0.125	/
	State2&4			Left Tilt	0	509202	2546.01	273	135	69	-0.08	0.018	21.52	23.20	1.472	0.027	/
	State2&4			Right Cheek	0	509202	2546.01	273	135	69	-0.01	0.225	21.52	23.20	1.472	0.331	/
	State2&4			Right Tilt	0	509202	2546.01	273	135	69	0.09	0.043	21.52	23.20	1.472	0.063	/
Ant.0	State2&4	DFT-s-OFDM BPSK	SA&NSA	Left Cheek	0	509202	2546.01	273	1	137	-0.13	0.166	22.53	24.20	1.469	0.244	/
	State2&4			Left Tilt	0	509202	2546.01	273	1	137	-0.03	0.123	22.53	24.20	1.469	0.181	/
	State2&4			Right Cheek	0	509202	2546.01	273	1	137	-0.19	0.258	22.53	24.20	1.469	0.379	/
	State2&4			Right Tilt	0	509202	2546.01	273	1	137	-0.18	0.086	22.53	24.20	1.469	0.126	/
	State2&4			Left Cheek	0	513900	2569.5	273	135	69	0.08	0.164	22.70	24.20	1.413	0.232	/
	State2&4			Left Tilt	0	513900	2569.5	273	135	69	0.03	0.127	22.70	24.20	1.413	0.179	/
	State2&4			Right Cheek	0	513900	2569.5	273	135	69	-0.01	0.250	22.70	24.20	1.413	0.353	/
	State2&4			Right Tilt	0	513900	2569.5	273	135	69	-0.02	0.088	22.70	24.20	1.413	0.124	/
Body-worn																	
Ant.1	State1&3	DFT-s-OFDM BPSK	SA	Front Side	15	518598	2592.99	273	1	137	-0.12	0.112	18.27	19.20	1.239	0.139	/
	State1&3			Back Side	15	518598	2592.99	273	1	137	-0.12	0.145	18.27	19.20	1.239	0.180	/
	State1&3			Front Side	15	528000	2640	273	135	0	-0.12	0.116	18.57	19.20	1.156	0.134	/
	State1&3			Back Side	15	528000	2640	273	135	0	-0.18	0.152	18.57	19.20	1.156	0.176	/
	State1&3	DFT-s-OFDM BPSK	NSA	Front Side	15	523302	2616.51	273	1	137	0.16	0.058	16.37	16.70	1.079	0.063	/
	State1&3			Back Side	15	523302	2616.51	273	1	137	0.06	0.085	16.37	16.70	1.079	0.092	/
	State1&3			Front Side	15	509202	2546.01	273	135	69	-0.01	0.059	16.42	16.70	1.067	0.063	/
	State1&3			Back Side	15	509202	2546.01	273	135	69	-0.04	0.082	16.42	16.70	1.067	0.087	/
Ant.4	State1&3	DFT-s-OFDM BPSK	SA	Front Side	15	523302	2616.51	273	1	271	0.01	0.012	17.94	19.70	1.500	0.018	/
	State1&3			Back Side	15	523302	2616.51	273	1	271	-0.09	0.079	17.94	19.70	1.500	0.118	/
	State1&3			Front Side	15	523302	2616.51	273	135	138	-0.17	0.015	18.07	19.70	1.455	0.022	/
	State1&3			Back Side	15	523302	2616.51	273	135	138	-0.03	0.085	18.07	19.70	1.455	0.124	/
	State1&3	DFT-s-OFDM BPSK	NSA	Front Side	15	513900	2569.5	273	1	137	-0.13	0.008	16.92	17.20	1.067	0.009	/
	State1&3			Back Side	15	513900	2569.5	273	1	137	0.02	0.041	16.92	17.20	1.067	0.044	/
	State1&3			Front Side	15	513900	2569.5	273	135	69	-0.04	0.006	17.03	17.20	1.040	0.006	/
	State1&3			Back Side	15	513900	2569.5	273	135	69	0.16	0.042	17.03	17.20	1.040	0.044	/
Ant.0	State1&3	DFT-s-OFDM BPSK	SA	Front Side	15	518598	2592.99	273	1	137	0.12	0.126	21.59	22.20	1.151	0.145	/
	State1&3			Back Side	15	518598	2592.99	273	1	137	-0.12	0.155	21.59	22.20	1.151	0.178	/
	State1&3			Front Side	15	528000	2640	273	135	0	0.04	0.130	21.74	22.20	1.112	0.145	/

	State1&3			Back Side	15	528000	2640	273	135	0	-0.15	0.169	21.74	22.20	1.112	0.188	71#	
	State1&3	DFT-s-OFDM	NSA	Front Side	15	509202	2546.01	273	1	271	0.03	0.065	19.40	19.70	1.072	0.070	/	
	State1&3			Back Side	15	509202	2546.01	273	1	271	0.14	0.112	19.40	19.70	1.072	0.120	/	
	State1&3			Front Side	15	528000	2640	273	135	138	-0.09	0.069	19.53	19.70	1.040	0.072	/	
	State1&3			Back Side	15	528000	2640	273	135	138	0.04	0.109	19.53	19.70	1.040	0.113	/	
	State1&3			BPSK														
Hotspot																		
Ant.1	State3	DFT-s-OFDM	SA	Front Side	10	518598	2592.99	273	1	137	-0.15	0.228	18.27	19.20	1.239	0.282	/	
	State3			Back Side	10	518598	2592.99	273	1	137	-0.10	0.335	18.27	19.20	1.239	0.415	/	
	State3			Right Edge	10	518598	2592.99	273	1	137	0.01	0.303	18.27	19.20	1.239	0.375	/	
	State3			Top Edge	10	518598	2592.99	273	1	137	-0.18	0.184	18.27	19.20	1.239	0.228	/	
	State3			BPSK	Front Side	10	528000	2640	273	135	0	0.00	0.245	18.57	19.20	1.156	0.283	/
	State3			Back Side	10	528000	2640	273	135	0	0.19	0.323	18.57	19.20	1.156	0.373	/	
	State3			Right Edge	10	528000	2640	273	135	0	-0.19	0.285	18.57	19.20	1.156	0.329	/	
	State3			Top Edge	10	528000	2640	273	135	0	-0.16	0.190	18.57	19.20	1.156	0.220	/	
	State3	DFT-s-OFDM	NSA	Front Side	10	523302	2616.51	273	1	137	0.04	0.131	16.37	16.70	1.079	0.141	/	
	State3			Back Side	10	523302	2616.51	273	1	137	-0.16	0.198	16.37	16.70	1.079	0.214	/	
	State3			Right Edge	10	523302	2616.51	273	1	137	-0.09	0.165	16.37	16.70	1.079	0.178	/	
	State3			Top Edge	10	523302	2616.51	273	1	137	-0.06	0.095	16.37	16.70	1.079	0.102	/	
	State3			BPSK	Front Side	10	509202	2546.01	273	135	69	-0.15	0.128	16.42	16.70	1.067	0.137	/
	State3			Back Side	10	509202	2546.01	273	135	69	0.06	0.195	16.42	16.70	1.067	0.208	/	
	State3			Right Edge	10	509202	2546.01	273	135	69	0.03	0.155	16.42	16.70	1.067	0.165	/	
	State3			Top Edge	10	509202	2546.01	273	135	69	0.04	0.099	16.42	16.70	1.067	0.106	/	
Ant.4	State3	DFT-s-OFDM	SA	Front Side	10	523302	2616.51	273	1	271	-0.16	0.023	17.94	19.70	1.500	0.034	/	
	State3			Back Side	10	523302	2616.51	273	1	271	-0.03	0.201	17.94	19.70	1.500	0.301	/	
	State3			Right Edge	10	523302	2616.51	273	1	271	-0.06	0.162	17.94	19.70	1.500	0.243	/	
	State3			Top Edge	10	523302	2616.51	273	1	271	-0.15	0.011	17.94	19.70	1.500	0.016	/	
	State3			BPSK	Front Side	10	523302	2616.51	273	135	138	0.17	0.005	18.07	19.70	1.455	0.007	/
	State3			Back Side	10	523302	2616.51	273	135	138	0.05	0.216	18.07	19.70	1.455	0.314	/	
	State3			Right Edge	10	523302	2616.51	273	135	138	0.11	0.187	18.07	19.70	1.455	0.272	/	
	State3			Top Edge	10	523302	2616.51	273	135	138	-0.01	0.003	18.07	19.70	1.455	0.004	/	
	State3	DFT-s-OFDM	NSA	Front Side	10	513900	2569.5	273	1	137	0.07	0.012	16.92	17.20	1.067	0.013	/	
	State3			Back Side	10	513900	2569.5	273	1	137	-0.18	0.103	16.92	17.20	1.067	0.110	/	
	State3			Right Edge	10	513900	2569.5	273	1	137	-0.14	0.085	16.92	17.20	1.067	0.091	/	
	State3			Top Edge	10	513900	2569.5	273	1	137	-0.10	0.005	16.92	17.20	1.067	0.005	/	
	State3			BPSK	Front Side	10	513900	2569.5	273	135	69	-0.14	0.009	17.03	17.20	1.040	0.009	/
	State3			Back Side	10	513900	2569.5	273	135	69	-0.04	0.119	17.03	17.20	1.040	0.124	/	
	State3			Right Edge	10	513900	2569.5	273	135	69	0.03	0.112	17.03	17.20	1.040	0.116	/	
	State3			Top Edge	10	513900	2569.5	273	135	69	-0.02	0.001	17.03	17.20	1.040	0.001	/	
Ant.0	State3	DFT-s-OFDM	SA	Front Side	10	518598	2592.99	273	1	137	-0.16	0.255	21.59	22.20	1.151	0.293	/	
	State3			Back Side	10	518598	2592.99	273	1	137	0.06	0.346	21.59	22.20	1.151	0.398	/	
	State3			Left Edge	10	518598	2592.99	273	1	137	0.08	0.223	21.59	22.20	1.151	0.257	/	
	State3			Right Edge	10	518598	2592.99	273	1	137	-0.14	0.022	21.59	22.20	1.151	0.025	/	
	State3			BPSK	Bottom Edge	10	518598	2592.99	273	1	137	-0.06	0.230	21.59	22.20	1.151	0.265	/

	State3			Front Side	10	528000	2640	273	135	0	-0.02	0.290	21.74	22.20	1.112	0.322	/
	State3			Back Side	10	528000	2640	273	135	0	-0.11	0.377	21.74	22.20	1.112	0.419	72#
	State3			Left Edge	10	528000	2640	273	135	0	0.11	0.192	21.74	22.20	1.112	0.213	/
	State3			Right Edge	10	528000	2640	273	135	0	-0.06	0.013	21.74	22.20	1.112	0.014	/
	State3			Bottom Edge	10	528000	2640	273	135	0	-0.10	0.215	21.74	22.20	1.112	0.239	/
	State3	DFT-s-OFDM BPSK	NSA	Front Side	10	509202	2546.01	273	1	271	-0.16	0.134	19.40	19.70	1.072	0.144	/
	State3			Back Side	10	509202	2546.01	273	1	271	0.05	0.255	19.40	19.70	1.072	0.273	/
	State3			Left Edge	10	509202	2546.01	273	1	271	-0.18	0.131	19.40	19.70	1.072	0.140	/
	State3			Right Edge	10	509202	2546.01	273	1	271	0.16	0.015	19.40	19.70	1.072	0.016	/
	State3			Bottom Edge	10	509202	2546.01	273	1	271	0.11	0.119	19.40	19.70	1.072	0.128	/
	State3			Front Side	10	528000	2640	273	135	138	0.08	0.156	19.53	19.70	1.040	0.162	/
	State3			Back Side	10	528000	2640	273	135	138	0.13	0.257	19.53	19.70	1.040	0.267	/
	State3			Left Edge	10	528000	2640	273	135	138	0.08	0.101	19.53	19.70	1.040	0.105	/
	State3			Right Edge	10	528000	2640	273	135	138	-0.19	0.005	19.53	19.70	1.040	0.005	/
	State3			Bottom Edge	10	528000	2640	273	135	138	0.17	0.132	19.53	19.70	1.040	0.137	/

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

Antenna	Power Reduction	Mode	Information	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB UL	RB Num.	RB Start	Power Drift (dB)	10 g Meas SAR(W/kg)	Meas. Power(dBm)	Max. tune-power(dBm)	Scaling Factor	10g Scaled SAR (W/kg)	Meas. No.
Specific																	
Ant.1	State1&3	DFT-s-OFDM	SA	Back	0	518598	2592.99	273	1	137	0.16	1.270	18.27	19.20	1.239	1.573	73#
	State1&3	BPSK		Side	0	528000	2640	273	135	0	0.11	1.210	18.57	19.20	1.156	1.399	/

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

11.24 5G n66 (20MHz Bandwidth)

Antenna	Power Reduction	Mode	Information	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB UL	RB Num.	RB Start	Power Drift (dB)	1g Meas. SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.	
Head																		
Ant.1	State2&4	DFT-s-OFDM	SA	Left Cheek	0	346500	1732.5	241	1	241	-0.12	0.421	16.39	17.70	1.352	0.569	/	
	State2&4			Left Tilt	0	346500	1732.5	241	1	241	0.14	0.516	16.39	17.70	1.352	0.698	/	
	State2&4			Right Cheek	0	346500	1732.5	241	1	241	0.02	0.674	16.39	17.70	1.352	0.911	/	
	State2&4			Right Tilt	0	346500	1732.5	241	1	241	-0.10	0.723	16.39	17.70	1.352	0.978	/	
	State2&4			Left Cheek	0	346500	1732.5	241	121	121	-0.10	0.422	16.53	17.70	1.309	0.552	/	
	State2&4			Left Tilt	0	346500	1732.5	241	121	121	-0.08	0.522	16.53	17.70	1.309	0.683	/	
	State2&4			Right Cheek	0	346500	1732.5	241	121	121	-0.01	0.723	16.53	17.70	1.309	0.947	/	
	State2&4			Right Tilt	0	346500	1732.5	241	121	121	0.05	0.831	16.53	17.70	1.309	1.088	74#	
	State2&4			Right Tilt	0	349000	1745	241	1	241	-0.17	0.754	16.31	17.70	1.377	1.038	/	
	State2&4			Right Tilt	0	349500	1747.5	241	1	241	0.19	0.765	16.29	17.70	1.384	1.058	/	
	State2&4			Right Tilt	0	349000	1745	241	121	0	0	0.12	0.734	16.39	17.70	1.352	0.992	/
	State2&4			Right Tilt	0	349500	1747.5	241	121	0	0	-0.11	0.766	16.50	17.70	1.318	1.010	/
	State2&4	Right Tilt	0	349000	1745	241	241	0	0	0.04	0.748	16.34	17.70	1.368	1.023	/		
	State2&4	DFT-s-OFDM	NSA	Left Cheek	0	349000	1745	241	1	241	-0.15	0.374	16.98	17.20	1.052	0.393	/	
	State2&4			Left Tilt	0	349000	1745	241	1	241	0.13	0.465	16.98	17.20	1.052	0.489	/	
	State2&4			Right Cheek	0	349000	1745	241	1	241	-0.10	0.622	16.98	17.20	1.052	0.654	/	
	State2&4			Right Tilt	0	349000	1745	241	1	241	-0.12	0.703	16.98	17.20	1.052	0.740	/	
	State2&4			Left Cheek	0	349500	1747.5	241	121	121	0.07	0.402	17.10	17.20	1.023	0.411	/	
	State2&4			Left Tilt	0	349500	1747.5	241	121	121	0.10	0.494	17.10	17.20	1.023	0.506	/	
	State2&4			Right Cheek	0	349500	1747.5	241	121	121	0.18	0.674	17.10	17.20	1.023	0.690	/	
	State2&4			Right Tilt	0	349500	1747.5	241	121	121	-0.13	0.767	17.10	17.20	1.023	0.785	/	
	Ant.4	State2&4	DFT-s-OFDM	SA&NSA	Left Cheek	0	346500	1732.5	241	1	121	0.07	0.078	21.75	23.20	1.396	0.109	/
		State2&4			Left Tilt	0	346500	1732.5	241	1	121	0.17	0.067	21.75	23.20	1.396	0.094	/
		State2&4			Right Cheek	0	346500	1732.5	241	1	121	-0.13	0.175	21.75	23.20	1.396	0.244	/
State2&4		Right Tilt			0	346500	1732.5	241	1	121	0.15	0.053	21.75	23.20	1.396	0.074	/	
State2&4		BPSK	A	Left Cheek	0	349000	1745	241	121	60	-0.19	0.062	21.81	23.20	1.377	0.085	/	
State2&4				Left Tilt	0	349000	1745	241	121	60	0.14	0.052	21.81	23.20	1.377	0.072	/	
State2&4				Right Cheek	0	349000	1745	241	121	60	-0.07	0.145	21.81	23.20	1.377	0.200	/	
State2&4				Right Tilt	0	349000	1745	241	121	60	0.14	0.044	21.81	23.20	1.377	0.061	/	
Ant.0	State2&4	DFT-s-OFDM	SA&NSA	Left Cheek	0	349500	1747.5	241	1	121	-0.15	0.080	22.59	24.20	1.449	0.116	/	
	State2&4			Left Tilt	0	349500	1747.5	241	1	121	-0.19	0.061	22.59	24.20	1.449	0.088	/	
	State2&4			Right Cheek	0	349500	1747.5	241	1	121	-0.13	0.093	22.59	24.20	1.449	0.135	/	
	State2&4	BPSK	A	Right Tilt	0	349500	1747.5	241	1	121	0.06	0.056	22.59	24.20	1.449	0.081	/	
	State2&4			Left Cheek	0	349500	1747.5	241	121	60	0.10	0.062	22.64	24.20	1.432	0.089	/	
	State2&4			Left Tilt	0	349500	1747.5	241	121	60	0.08	0.047	22.64	24.20	1.432	0.067	/	
	State2&4			Right Cheek	0	349500	1747.5	241	121	60	0.02	0.073	22.64	24.20	1.432	0.105	/	

	State2&4			Right Tilt	0	349500	1747.5	241	121	60	-0.02	0.045	22.64	24.20	1.432	0.064	/
Body-worn																	
Ant.1	State1&3	DFT-s-OFDM	SA	Front Side	15	346500	1732.5	241	1	241	0.18	0.123	18.76	20.20	1.393	0.171	/
	State1&3			Back Side	15	346500	1732.5	241	1	241	-0.15	0.174	18.76	20.20	1.393	0.242	/
	State1&3			Front Side	15	349500	1747.5	241	121	0	0.13	0.131	19.02	20.20	1.312	0.172	/
	State1&3			Back Side	15	349500	1747.5	241	121	0	-0.09	0.190	19.02	20.20	1.312	0.249	75#
	State1&3	DFT-s-OFDM	NSA	Front Side	15	349500	1747.5	241	1	121	0.17	0.065	17.58	17.70	1.028	0.067	/
	State1&3			Back Side	15	349500	1747.5	241	1	121	-0.19	0.092	17.58	17.70	1.028	0.095	/
	State1&3			Front Side	15	349500	1747.5	241	121	121	0.08	0.071	17.70	17.70	1.000	0.071	/
	State1&3			Back Side	15	349500	1747.5	241	121	121	0.03	0.093	17.70	17.70	1.000	0.093	/
Ant.4	State1&3	DFT-s-OFDM	SA	Front Side	15	346500	1732.5	241	1	121	-0.18	0.021	21.75	23.20	1.396	0.029	/
	State1&3			Back Side	15	346500	1732.5	241	1	121	0.12	0.054	21.75	23.20	1.396	0.075	/
	State1&3			Front Side	15	349000	1745	241	121	60	0.03	0.017	21.81	23.20	1.377	0.023	/
	State1&3			Back Side	15	349000	1745	241	121	60	0.19	0.042	21.81	23.20	1.377	0.058	/
	State1&3	DFT-s-OFDM	NSA	Front Side	15	349500	1747.5	241	1	121	0.12	0.013	20.59	20.70	1.026	0.013	/
	State1&3			Back Side	15	349500	1747.5	241	1	121	-0.06	0.028	20.59	20.70	1.026	0.029	/
	State1&3			Front Side	15	346500	1732.5	241	121	0	-0.06	0.006	20.70	20.70	1.000	0.006	/
	State1&3			Back Side	15	346500	1732.5	241	121	0	0.03	0.026	20.70	20.70	1.000	0.026	/
Ant.0	State1&3	DFT-s-OFDM	SA	Front Side	15	346500	1732.5	241	1	241	0.09	0.084	20.10	21.20	1.288	0.108	/
	State1&3			Back Side	15	346500	1732.5	241	1	241	-0.10	0.122	20.10	21.20	1.288	0.157	/
	State1&3			Front Side	15	346500	1732.5	241	121	60	-0.07	0.086	20.30	21.20	1.230	0.106	/
	State1&3			Back Side	15	346500	1732.5	241	121	60	-0.02	0.136	20.30	21.20	1.230	0.167	/
	State1&3	DFT-s-OFDM	NSA	Front Side	15	346500	1732.5	241	1	121	0.17	0.047	18.88	19.20	1.076	0.051	/
	State1&3			Back Side	15	346500	1732.5	241	1	121	-0.12	0.068	18.88	19.20	1.076	0.073	/
	State1&3			Front Side	15	349500	1747.5	241	121	121	0.07	0.052	19.04	19.20	1.038	0.054	/
	State1&3			Back Side	15	349500	1747.5	241	121	121	0.03	0.081	19.04	19.20	1.038	0.084	/
Hotspot																	
Ant.1	State3	DFT-s-OFDM	SA	Front Side	10	346500	1732.5	241	1	241	-0.17	0.282	18.76	20.20	1.393	0.393	/
	State3			Back Side	10	346500	1732.5	241	1	241	0.12	0.375	18.76	20.20	1.393	0.522	/
	State3			Right Edge	10	346500	1732.5	241	1	241	0.17	0.065	18.76	20.20	1.393	0.091	/
	State3			Top Edge	10	346500	1732.5	241	1	241	-0.18	0.507	18.76	20.20	1.393	0.706	/
	State3			Front Side	10	349500	1747.5	241	121	0	-0.05	0.295	19.02	20.20	1.312	0.387	/
	State3			Back Side	10	349500	1747.5	241	121	0	-0.01	0.406	19.02	20.20	1.312	0.533	/
	State3			Right Edge	10	349500	1747.5	241	121	0	-0.04	0.072	19.02	20.20	1.312	0.094	/
	State3			Top Edge	10	349500	1747.5	241	121	0	-0.11	0.583	19.02	20.20	1.312	0.765	76#
	State3	DFT-s-OFDM	NSA	Front Side	10	349500	1747.5	241	1	121	0.05	0.162	17.58	17.70	1.028	0.167	/
	State3			Back Side	10	349500	1747.5	241	1	121	0.09	0.206	17.58	17.70	1.028	0.212	/
	State3			Right Edge	10	349500	1747.5	241	1	121	0.16	0.041	17.58	17.70	1.028	0.042	/
	State3			Top Edge	10	349500	1747.5	241	1	121	0.14	0.277	17.58	17.70	1.028	0.285	/
	State3			Front Side	10	349500	1747.5	241	121	121	-0.18	0.158	17.70	17.70	1.000	0.158	/
	State3			Back Side	10	349500	1747.5	241	121	121	0.12	0.213	17.70	17.70	1.000	0.213	/
	State3			Right Edge	10	349500	1747.5	241	121	121	0.02	0.035	17.70	17.70	1.000	0.035	/
	State3			Top Edge	10	349500	1747.5	241	121	121	0.08	0.311	17.70	17.70	1.000	0.311	/

Ant.4	State3	DFT-s-OFDM BPSK	SA	Front Side	10	346500	1732.5	241	1	121	0.04	0.025	21.75	23.20	1.396	0.035	/	
	State3			Back Side	10	346500	1732.5	241	1	121	0.07	0.137	21.75	23.20	1.396	0.191	/	
	State3			Right Edge	10	346500	1732.5	241	1	121	-0.18	0.120	21.75	23.20	1.396	0.168	/	
	State3			Top Edge	10	346500	1732.5	241	1	121	0.02	0.016	21.75	23.20	1.396	0.022	/	
	State3			Front Side	10	349000	1745	241	121	60	0.16	0.013	21.81	23.20	1.377	0.018	/	
	State3			Back Side	10	349000	1745	241	121	60	0.09	0.117	21.81	23.20	1.377	0.161	/	
	State3			Right Edge	10	349000	1745	241	121	60	-0.03	0.088	21.81	23.20	1.377	0.121	/	
	State3			Top Edge	10	349000	1745	241	121	60	0.02	0.009	21.81	23.20	1.377	0.012	/	
	Ant.0	State3	DFT-s-OFDM BPSK	NSA	Front Side	10	349500	1747.5	241	1	121	-0.09	0.012	20.59	20.70	1.026	0.012	/
		State3			Back Side	10	349500	1747.5	241	1	121	-0.19	0.081	20.59	20.70	1.026	0.083	/
		State3			Right Edge	10	349500	1747.5	241	1	121	-0.10	0.065	20.59	20.70	1.026	0.067	/
		State3			Top Edge	10	349500	1747.5	241	1	121	-0.09	0.009	20.59	20.70	1.026	0.009	/
		State3			Front Side	10	346500	1732.5	241	121	0	-0.01	0.005	20.70	20.70	1.000	0.005	/
		State3			Back Side	10	346500	1732.5	241	121	0	0.16	0.062	20.70	20.70	1.000	0.062	/
		State3			Right Edge	10	346500	1732.5	241	121	0	0.00	0.045	20.70	20.70	1.000	0.045	/
		State3			Top Edge	10	346500	1732.5	241	121	0	0.09	0.003	20.70	20.70	1.000	0.003	/
Ant.0	State3	DFT-s-OFDM BPSK	SA	Front Side	10	346500	1732.5	241	1	241	0.12	0.182	20.10	21.20	1.288	0.234	/	
	State3			Back Side	10	346500	1732.5	241	1	241	0.08	0.317	20.10	21.20	1.288	0.408	/	
	State3			Left Edge	10	346500	1732.5	241	1	241	0.05	0.120	20.10	21.20	1.288	0.155	/	
	State3			Right Edge	10	346500	1732.5	241	1	241	-0.14	0.021	20.10	21.20	1.288	0.027	/	
	State3			Bottom Edge	10	346500	1732.5	241	1	241	0.06	0.477	20.10	21.20	1.288	0.614	/	
	State3			Front Side	10	346500	1732.5	241	121	60	-0.06	0.190	20.30	21.20	1.230	0.234	/	
	State3			Back Side	10	346500	1732.5	241	121	60	0.14	0.345	20.30	21.20	1.230	0.424	/	
	State3			Left Edge	10	346500	1732.5	241	121	60	0.09	0.122	20.30	21.20	1.230	0.150	/	
	Ant.0	State3	DFT-s-OFDM BPSK	NSA	Right Edge	10	346500	1732.5	241	121	60	0.16	0.025	20.30	21.20	1.230	0.031	/
		State3			Bottom Edge	10	346500	1732.5	241	121	60	0.10	0.483	20.30	21.20	1.230	0.594	/
		State3			Front Side	10	346500	1732.5	241	1	121	-0.01	0.113	18.88	19.20	1.076	0.122	/
		State3			Back Side	10	346500	1732.5	241	1	121	-0.06	0.206	18.88	19.20	1.076	0.222	/
		State3			Left Edge	10	346500	1732.5	241	1	121	-0.03	0.072	18.88	19.20	1.076	0.078	/
		State3			Right Edge	10	346500	1732.5	241	1	121	-0.11	0.011	18.88	19.20	1.076	0.012	/
		State3			Bottom Edge	10	346500	1732.5	241	1	121	-0.15	0.295	18.88	19.20	1.076	0.318	/
		State3			Front Side	10	349500	1747.5	241	121	121	-0.05	0.116	19.04	19.20	1.038	0.120	/
Ant.0	State3	DFT-s-OFDM BPSK	NSA	Back Side	10	349500	1747.5	241	121	121	-0.12	0.206	19.04	19.20	1.038	0.214	/	
	State3			Left Edge	10	349500	1747.5	241	121	121	-0.13	0.075	19.04	19.20	1.038	0.078	/	
	State3			Right Edge	10	349500	1747.5	241	121	121	-0.19	0.013	19.04	19.20	1.038	0.013	/	
	State3			Bottom Edge	10	349500	1747.5	241	121	121	-0.17	0.288	19.04	19.20	1.038	0.299	/	

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

Antenna	Power Reduction	Mode	Information	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB UL	RB Num.	RB Start	Power Drift (dB)	10 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	10g Scaled SAR (W/kg)	Meas. No.
Specific																	
Ant.1	State1&3	DFT-s-OFDM BPSK	SA	Back Side	0	346500	1732.5	216	1	241	0.03	1.060	18.76	20.20	1.393	1.477	/
	State1&3			Top Edge	0	346500	1732.5	216	1	241	0.11	1.440	18.76	20.20	1.393	2.006	/
	State1&3			Top Edge	0	349000	1745	216	1	241	0.03	1.360	18.75	20.20	1.396	1.899	/
	State1&3			Top Edge	0	349500	1747.5	216	1	121	-0.13	1.390	18.74	20.20	1.400	1.945	/
	State1&3			Back Side	0	349500	1747.5	216	121	0	0.06	1.160	19.02	20.20	1.312	1.522	/
	State1&3			Top Edge	0	349500	1747.5	216	121	0	-0.17	1.620	19.02	20.20	1.312	2.126	77#
	State1&3			Top Edge	0	346500	1732.5	216	121	121	0.02	1.460	18.91	20.20	1.346	1.965	/
	State1&3			Top Edge	0	349000	1745	216	121	0	0.16	1.550	18.85	20.20	1.365	2.115	/
Ant.0	State1&3	DFT-s-OFDM BPSK	SA	Bottom Edge	0	346500	1732.5	216	1	241	-0.16	1.340	20.10	21.20	1.288	1.726	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.																	

11.25 WIFI 2.4GHZ

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-powerr (dBm)	Scaling Factor	Duty Cycle(%)	Scaling Factor	1 g Scaled SAR (W/kg)	Meas. No.
Head															
Ant.5	Level1	802.11 b	Left Cheek	0	CH 6	2437	-0.11	0.439	14.89	16.50	1.449	99.38	1.006	0.640	78#
	Level1		Left Tilt	0	CH 6	2437	-0.16	0.334	14.89	16.50	1.449	99.38	1.006	0.487	/
	Level1		Right Cheek	0	CH 6	2437	0.13	0.163	14.89	16.50	1.449	99.38	1.006	0.238	/
	Level1		Right Tilt	0	CH 6	2437	-0.10	0.183	14.89	16.50	1.449	99.38	1.006	0.267	/
	Level2	802.11 b	Left Cheek	0	CH 6	2437	-0.16	0.162	11.02	12.50	1.406	99.38	1.006	0.229	/
	Level2		Left Tilt	0	CH 6	2437	-0.02	0.124	11.02	12.50	1.406	99.38	1.006	0.175	/
	Level2		Right Cheek	0	CH 6	2437	-0.18	0.055	11.02	12.50	1.406	99.38	1.006	0.078	/
	Level2		Right Tilt	0	CH 6	2437	0.10	0.080	11.02	12.50	1.406	99.38	1.006	0.113	/
Body-worn															
Ant.5	Level3	802.11 b	Front Side	15	7	2442	0.01	0.053	16.67	18.00	1.358	99.38	1.006	0.072	/
	Level3		Back Side	15	7	2442	0.04	0.085	16.67	18.00	1.358	99.38	1.006	0.116	79#
	Level4	802.11 b	Front Side	15	7	2442	0.03	0.028	14.44	16.00	1.432	99.38	1.006	0.040	/
	Level4		Back Side	15	7	2442	-0.06	0.044	14.44	16.00	1.432	99.38	1.006	0.063	/
Hotspot															
Ant.5	Level3	802.11 b	Front Side	10	7	2442	-0.12	0.112	16.67	18.00	1.358	99.38	1.006	0.153	/
	Level3		Back Side	10	7	2442	0.06	0.198	16.67	18.00	1.358	99.38	1.006	0.270	80#
	Level3		Left Edge	10	7	2442	-0.01	0.110	16.67	18.00	1.358	99.38	1.006	0.150	/
	Level3		Right Edge	10	7	2442	0.15	0.012	16.67	18.00	1.358	99.38	1.006	0.016	/
	Level3		Top Edge	10	7	2442	0.17	0.123	16.67	18.00	1.358	99.38	1.006	0.168	/
	Level3		Bottom Edge	10	7	2442	-0.17	0.005	16.67	18.00	1.358	99.38	1.006	0.007	/
	Level4	802.11 b	Front Side	10	7	2442	0.18	0.061	14.44	16.00	1.432	99.38	1.006	0.088	/
	Level4		Back Side	10	7	2442	0.19	0.116	14.44	16.00	1.432	99.38	1.006	0.167	/
	Level4		Left Edge	10	7	2442	-0.05	0.063	14.44	16.00	1.432	99.38	1.006	0.091	/
	Level4		Right Edge	10	7	2442	0.14	0.006	14.44	16.00	1.432	99.38	1.006	0.009	/
	Level4		Top Edge	10	7	2442	0.03	0.071	14.44	16.00	1.432	99.38	1.006	0.102	/
	Level4		Bottom Edge	10	7	2442	-0.06	0.002	14.44	16.00	1.432	99.38	1.006	0.003	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.															

11.26 WIFI 5GHZ

Antenna	Band	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	Duty Cycle(%)	Scaling Factor	1 g Scaled SAR (W/kg)	Meas. No.
Head																
Ant.5	5.3G	Level1	802.11n40	Left Cheek	0	54	5270	0.01	0.645	15.46	16.50	1.271	94.15	1.062	0.871	81#
		Level1		Left Tilt	0	54	5270	-0.08	0.547	15.46	16.50	1.271	94.15	1.062	0.738	/
		Level1		Right Cheek	0	54	5270	-0.04	0.175	15.46	16.50	1.271	94.15	1.062	0.236	/
		Level1		Right Tilt	0	54	5270	0.14	0.211	15.46	16.50	1.271	94.15	1.062	0.285	/
		Level1	802.11ac(VH T80)	Left Cheek	0	62	5310	-0.05	0.347	12.41	14.00	1.442	94.15	1.062	0.531	/
		Level2		Left Cheek	0	58	5290	0.00	0.212	11.32	12.50	1.312	89.60	1.116	0.310	/
		Level2		Left Tilt	0	58	5290	-0.10	0.235	11.32	12.50	1.312	89.60	1.116	0.344	/
		Level2		Right Cheek	0	58	5290	-0.13	0.102	11.32	12.50	1.312	89.60	1.116	0.149	/
		Level2	Right Tilt	0	58	5290	-0.15	0.103	11.32	12.50	1.312	89.60	1.116	0.151	/	
		Ant.5	5.6G	Leve1	802.11ac(VH T80)	Left Cheek	0	122	5610	-0.19	0.366	14.06	15.00	1.242	89.60	1.116
Leve1	Left Tilt			0		122	5610	0.02	0.425	14.06	15.00	1.242	89.60	1.116	0.589	82#
Leve1	Right Cheek			0		122	5610	-0.02	0.291	14.06	15.00	1.242	89.60	1.116	0.403	/
Leve1	Right Tilt			0		122	5610	-0.10	0.272	14.06	15.00	1.242	89.60	1.116	0.377	/
Leve2	802.11ac(VH T80)			Left Cheek	0	122	5610	-0.16	0.142	9.99	11.00	1.262	89.60	1.116	0.200	/
Leve2				Left Tilt	0	122	5610	-0.18	0.168	9.99	11.00	1.262	89.60	1.116	0.237	/
Leve2				Right Cheek	0	122	5610	-0.05	0.123	9.99	11.00	1.262	89.60	1.116	0.173	/
Leve2				Right Tilt	0	122	5610	-0.01	0.133	9.99	11.00	1.262	89.60	1.116	0.187	/
Ant.5	5.8G	Level1	802.11ac(VH T80)	Left Cheek	0	155	5775	-0.14	0.341	13.66	15.00	1.361	89.60	1.116	0.518	/
		Level1		Left Tilt	0	155	5775	0.06	0.365	13.66	15.00	1.361	89.60	1.116	0.554	83#
		Level1		Right Cheek	0	155	5775	0.10	0.245	13.66	15.00	1.361	89.60	1.116	0.372	/
		Level1		Right Tilt	0	155	5775	0.03	0.302	13.66	15.00	1.361	89.60	1.116	0.459	/
		Level2	802.11ac(VH T80)	Left Cheek	0	155	5775	-0.09	0.152	9.58	11.00	1.387	89.60	1.116	0.235	/
		Level2		Left Tilt	0	155	5775	0.09	0.162	9.58	11.00	1.387	89.60	1.116	0.251	/
		Level2		Right Cheek	0	155	5775	-0.11	0.082	9.58	11.00	1.387	89.60	1.116	0.127	/
		Level2		Right Tilt	0	155	5775	0.02	0.099	9.58	11.00	1.387	89.60	1.116	0.153	/
Body-worn																
Ant.5	5.3G	Level3	802.11n40	Front Side	15	54	5270	-0.04	0.165	18.53	19.00	1.114	94.15	1.062	0.195	/
		Level3		Back Side	15	54	5270	0.05	0.532	18.53	19.00	1.114	94.15	1.062	0.629	84#
		Leve4	802.11n40	Front Side	15	54	5270	0.02	0.058	14.00	15.50	1.413	94.15	1.062	0.087	/
		Leve4		Back Side	15	54	5270	-0.15	0.174	14.00	15.50	1.413	94.15	1.062	0.261	/
Ant.5	5.6G	Level3	802.11n40	Front Side	15	118	5590	0.05	0.121	16.18	17.50	1.355	94.15	1.062	0.174	/
		Level3		Back Side	15	118	5590	0.13	0.443	16.18	17.50	1.355	94.15	1.062	0.637	85#
		Leve4	802.11ac(VH T80)	Front Side	15	122	5610	0.17	0.020	11.50	12.50	1.259	89.60	1.116	0.028	/
		Leve4		Back Side	15	122	5610	-0.07	0.113	11.50	12.50	1.259	89.60	1.116	0.159	/
Ant.5	5.8G	Level3	802.11ac(VH T80)	Front Side	15	155	5775	0.11	0.051	15.33	16.50	1.309	89.60	1.116	0.075	/
		Level3		Back Side	15	155	5775	-0.30	0.238	15.33	16.50	1.309	89.60	1.116	0.348	86#

		Level4	802.11ac(VH	Front Side	15	155	5775	-0.06	0.013	10.07	11.50	1.390	89.60	1.116	0.020	/		
		Level4	T80)	Back Side	15	155	5775	-0.15	0.062	10.07	11.50	1.390	89.60	1.116	0.096	/		
Hotspot																		
Ant.5	5.2G	Level3	802.11n40	Front Side	10	46	5230	-0.03	0.274	18.52	19.00	1.117	94.15	1.062	0.325	/		
		Level3		Back Side	10	46	5230	0.09	0.870	18.52	19.00	1.117	94.15	1.062	1.032	87#		
		Level3		Left Edge	10	46	5230	-0.10	0.722	18.52	19.00	1.117	94.15	1.062	0.856	/		
		Level3		Right Edge	10	46	5230	0.01	0.065	18.52	19.00	1.117	94.15	1.062	0.077	/		
		Level3		Top Edge	10	46	5230	0.13	0.806	18.52	19.00	1.117	94.15	1.062	0.956	/		
		Level3		Bottom Edge	10	46	5230	0.15	0.011	18.52	19.00	1.117	94.15	1.062	0.013	/		
		Level3		Back Side	10	38	5190	0.09	0.271	13.38	14.00	1.153	94.15	1.062	0.332	/		
		Level3		Left Edge	10	38	5190	0.11	0.216	13.38	14.00	1.153	94.15	1.062	0.264	/		
		Level3		Top Edge	10	38	5190	-0.06	0.249	13.38	14.00	1.153	94.15	1.062	0.305	/		
		Level4		802.11n40	Front Side	10	46	5230	-0.19	0.116	14.00	15.50	1.413	94.15	1.062	0.174	/	
		Level4	Back Side		10	46	5230	-0.06	0.355	14.00	15.50	1.413	94.15	1.062	0.533	/		
		Level4	Left Edge		10	46	5230	0.01	0.316	14.00	15.50	1.413	94.15	1.062	0.474	/		
		Level4	Right Edge		10	46	5230	0.09	0.025	14.00	15.50	1.413	94.15	1.062	0.038	/		
		Level4	Top Edge		10	46	5230	-0.13	0.344	14.00	15.50	1.413	94.15	1.062	0.516	/		
		Level4	Bottom Edge		10	46	5230	-0.02	0.006	14.00	15.50	1.413	94.15	1.062	0.009	/		
		Ant.5	5.8G	Level3	802.11ac(VH	Front Side	10	155	5775	0.15	0.076	15.33	16.50	1.309	89.60	1.116	0.111	/
Level3	Back Side			10		155	5775	1.69	0.326	15.33	16.50	1.309	89.60	1.116	0.476	88#		
Level3	Left Edge			10		155	5775	0.17	0.122	15.33	16.50	1.309	89.60	1.116	0.178	/		
Level3	Right Edge			10		155	5775	-0.12	0.010	15.33	16.50	1.309	89.60	1.116	0.015	/		
Level3	Top Edge			10		155	5775	-0.12	0.302	15.33	16.50	1.309	89.60	1.116	0.441	/		
Level3	Bottom Edge			10		155	5775	0.14	0.005	15.33	16.50	1.309	89.60	1.116	0.007	/		
Level4	802.11ac(VH			Front Side	10	155	5775	0.14	0.026	10.07	11.50	1.390	89.60	1.116	0.040	/		
Level4				Back Side	10	155	5775	0.17	0.087	10.07	11.50	1.390	89.60	1.116	0.135	/		
Level4				Left Edge	10	155	5775	0.10	0.039	10.07	11.50	1.390	89.60	1.116	0.060	/		
Level4				Right Edge	10	155	5775	-0.10	0.007	10.07	11.50	1.390	89.60	1.116	0.011	/		
Level4				Top Edge	10	155	5775	0.01	0.074	10.07	11.50	1.390	89.60	1.116	0.115	/		
Level4				Bottom Edge	10	155	5775	-0.09	0.001	10.07	11.50	1.390	89.60	1.116	0.002	/		
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.		
Specify																		
Ant.5	5.3G	Level3	802.11n40	Front Side	0	54	5270	0.06	0.923	18.53	19.00	1.114	89.60	1.116	1.147	/		
		Level3		Back Side	0	54	5270	0.05	0.921	18.53	19.00	1.114	89.60	1.116	1.145	/		
		Level3		Left Edge	0	54	5270	0.04	0.955	18.53	19.00	1.114	89.60	1.116	1.187	/		
		Level3		Right Edge	0	54	5270	-0.17	0.052	18.53	19.00	1.114	89.60	1.116	0.065	/		
		Level3		Top Edge	0	54	5270	0.19	1.320	18.53	19.00	1.114	89.60	1.116	1.641	89#		
		Level3		Bottom Edge	0	54	5270	0.08	0.016	18.53	19.00	1.114	89.60	1.116	0.020	/		
		Level4	802.11n40	Front Side	0	54	5270	-0.01	0.406	14.00	15.50	1.413	89.60	1.116	0.640	/		
		Level4		Back Side	0	54	5270	0.08	0.401	14.00	15.50	1.413	89.60	1.116	0.632	/		
		Level4		Left Edge	0	54	5270	-0.06	0.411	14.00	15.50	1.413	89.60	1.116	0.648	/		
		Level4		Right Edge	0	54	5270	0.02	0.021	14.00	15.50	1.413	89.60	1.116	0.033	/		
		Level4		Top Edge	0	54	5270	0.19	0.565	14.00	15.50	1.413	89.60	1.116	0.891	/		
		Level4		Bottom Edge	0	54	5270	-0.16	0.006	14.00	15.50	1.413	89.60	1.116	0.009	/		
		Ant.5	5.6G	Level3	802.11n40	Front Side	0	118	5590	-0.07	0.545	16.18	17.50	1.355	89.60	1.116	0.824	/
				Level3		Back Side	0	118	5590	0.02	0.625	16.18	17.50	1.355	89.60	1.116	0.945	/
				Level3		Left Edge	0	118	5590	0.01	0.711	16.18	17.50	1.355	89.60	1.116	1.075	/
				Level3		Right Edge	0	118	5590	-0.11	0.121	16.18	17.50	1.355	89.60	1.116	0.183	/
Level3	Top Edge			0		118	5590	0.09	0.957	16.18	17.50	1.355	89.60	1.116	1.447	90#		
Level3	Bottom Edge			0		118	5590	0.15	0.003	16.18	17.50	1.355	89.60	1.116	0.005	/		
Level4	802.11ac(VHT80)			Front Side	0	122	5610	-0.09	0.167	11.50	12.50	1.259	89.60	1.116	0.235	/		
Level4				Back Side	0	122	5610	-0.02	0.221	11.50	12.50	1.259	89.60	1.116	0.311	/		
Level4				Left Edge	0	122	5610	-0.04	0.234	11.50	12.50	1.259	89.60	1.116	0.329	/		
Level4				Right Edge	0	122	5610	0.06	0.025	11.50	12.50	1.259	89.60	1.116	0.035	/		
Level4				Top Edge	0	122	5610	-0.04	0.277	11.50	12.50	1.259	89.60	1.116	0.389	/		
Level4				Bottom Edge	0	122	5610	0.08	0.002	11.50	12.50	1.259	89.60	1.116	0.003	/		
Note: Refer to ANNEX C for the detailed test data for each test configuration.																		

11.27 Bluetooth

Antenna	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Setting	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.5	DH5	Left Cheek	0	CH 78	2480	8	-0.06	0.308	13.98	14.00	1.005	76.67	1.304	0.404	91#
		Left Tilt	0	CH 78	2480	8	0.18	0.211	13.98	14.00	1.005	76.67	1.304	0.277	/
		Right Cheek	0	CH 78	2480	8	0.09	0.125	13.98	14.00	1.005	76.67	1.304	0.164	/
		Right Tilt	0	CH 78	2480	8	-0.05	0.126	13.98	14.00	1.005	76.67	1.304	0.165	/
Body-worn															
Ant.5	DH5	Front Side	15	CH 78	2480	8	0.09	0.014	13.98	14.00	1.005	76.67	1.304	0.014	/
		Back Side	15	CH 78	2480	8	-0.04	0.058	13.98	14.00	1.005	76.67	1.304	0.058	92#
Hotspot															
Ant.5	DH5	Front Side	10	CH 78	2480	8	0.05	0.077	13.98	14.00	1.005	76.67	1.304	0.077	/
		Back Side	10	CH 78	2480	8	0.00	0.115	13.98	14.00	1.005	76.67	1.304	0.116	93#
		Left Edge	10	CH 78	2480	8	-0.08	0.063	13.98	14.00	1.005	76.67	1.304	0.063	/
		Right Edge	10	CH 78	2480	8	0.14	0.012	13.98	14.00	1.005	76.67	1.304	0.012	/
		Top Edge	10	CH 78	2480	8	0.02	0.072	13.98	14.00	1.005	76.67	1.304	0.072	/
		Bottom Edge	10	CH 78	2480	8	-0.19	0.006	13.98	14.00	1.005	76.67	1.304	0.006	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.															

11.28 NFC

1.FCC KDB 447498 V07 (Latest version to be released) Specifies the NFC limits:

a. According to 2022.04 TCBC Workshop, when the frequency is less than or equal to 100MHz, the power threshold refers to P6s in the below picture.

$$P_{7X}(d_{mm}, f_{MHz}) := \begin{cases} P_{6S}(d_{mm}, f_{MHz}) & f_{MHz} \leq 100 \\ P_{6to7}(d_{mm}, f_{MHz}) & 100 < f_{MHz} \leq 300 \\ P_7(d_{mm}, f_{MHz}) & 300 < f_{MHz} \end{cases}$$

(Figure1)

b. For portable products, when the separated distance is less than or equal to 50mm (such as the mobile phone with NFC function), the power threshold P6s is calculated using the formula in the below picture.

$$P_{6S}(d_{mm}, f_{MHz}) := \begin{cases} P_{431a}(d_{mm}, f_{MHz}) & d_{mm} \leq 50 \text{ and } f_{MHz} > 100 \\ P_{431b1}(d_{mm}, f_{MHz}) & d_{mm} > 50 \text{ and } 100 < f_{MHz} \leq 1500 \\ P_{431b2}(d_{mm}, f_{MHz}) & d_{mm} > 50 \text{ and } f_{MHz} > 1500 \\ S_f(f_{MHz}) \cdot P_{431a}(d_{mm}, f_{MHz}) + (1 - S_f(f_{MHz})) \cdot S_d(d_{mm}) \cdot P_{431b1}(50, 100) \cdot \left(1 + \log_{10}\left(\frac{100}{f_{MHz}}\right)\right) & d_{mm} \leq 50 \text{ and } f_{MHz} \leq 100 \\ S_f(f_{MHz}) \cdot P_{431b1}(d_{mm}, f_{MHz}) + (1 - S_f(f_{MHz})) \cdot P_{431b1}(d_{mm}, 100) \cdot \left(1 + \log_{10}\left(\frac{100}{f_{MHz}}\right)\right) & d_{mm} > 50 \text{ and } f_{MHz} \leq 100 \end{cases}$$

4.3.1 a) – distance ≤ 50 mm, 100 MHz ≤ frequency < 6 GHz

$$P_{431a}(d_{mm}, f_{MHz}) := \frac{3 d_{mm}}{\sqrt{f_{MHz}/1000}}$$

4.3.1 b) 1) – distance > 50 mm, 100 MHz ≤ frequency < 1500 MHz

$$\begin{aligned} P_{431b1}(d_{mm}, f_{MHz}) &:= P_{431a}(50, f_{MHz}) + \frac{(d_{mm} - 50) \cdot f_{MHz}}{150} \\ &= \frac{3 \cdot 50}{\sqrt{f_{MHz}/1000}} + \frac{(d_{mm} - 50) \cdot f_{MHz}}{150} \end{aligned}$$

P _{431a}	f(MHz)	d(mm)	P(mW)
	13.56	50	474.34
P _{431b1(50,100)}	f(MHz)	d(mm)	P(mW)
	100	50	474.34

c. The smoothing functions Sf and Sd in P6s calculate the limit based on KDB 447498 V06, and the calculation formula in the below picture:

Smoothing “v06” Power Threshold Function

- The discontinuities in the power threshold function in v06 can be smoothed by imposing **continuous transitions** in the definitions
- Define smoothing functions S_f for f_{MHz} and S_d for d_{mm} as

$$S_f(f_{MHz}) := \exp\left(-10 \frac{(f_{MHz} - f_{max})^2}{\Delta f^2}\right)$$

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

d. SAR test is required only when the separated distance is less than or equal to 5mm and the power is greater than 443.13mW.

f _{max} (MHz)	100	d _{max} (mm)	50
f _{MHz}	13.56	d _{mm}	5
Δf(MHz)	100	Δd	50
S _f (f _{MHz})	0.00056886	S _d (d _{mm})	0.50015177
P6s(mW)	443.13		

2.NFC power description

a. According to ANSI C63.10 clause 11.12.2.2:

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

- 1) Measure the conducted output power (in dBm) using the detector specified (see guidance regarding measurement procedures for determining quasi-peak, peak, and average conducted output power, respectively).
- 2) Add the maximum transmit antenna gain (in dBi) to the measured output power level to determine the ERP level (see guidance on determining the applicable antenna gain)
- 3) Add the appropriate maximum ground reflection factor to the EIRP level (6dB for frequencies ≤ 30 MHz, 4.7dB for frequencies between 30 MHz and 1000 MHz, inclusive and 0dB for frequencies > 1000 MHz).
- 4) For devices with multiple antenna-ports, measure the power of each individual chain and sum the ERP of all chains in linear terms (e.g., Watts, mW).
- 5) Convert the resultant ERP level to an equivalent electric field strength using the following relationship:

$$E = \text{EIRP} - 20 \log D + 104.8$$

where:

E = electric field strength in dB μ V/m,

ERP = equivalent isotropic radiated power in dBm

D = specified measurement distance in meters.

b. NFC EIRP = E + 20Log D - 104.8

Assume that the field intensity E = 56.24; Test condition is 3 meters dark room, then EIRP = 56.06 + 20 * Log(3) - 104.8 + 6 = -33.02 (dBm)

Mode	f (MHz)	Max. E-Field strength (dB μ V/m)	D (m)	Ground reflection factor (dB)	EIRP (dBm)
NFC	13.56	56.24	3	6	-33.02

Note1: E-Field strength refer BL-SZ2350513-402.
 Note2: Add the appropriate maximum ground reflection factor to the EIRP level (6 dB for frequencies ≤ 30 MHz).

3. Result judgment

- a. According to the above information, the power of NFC is -33.20 dBm and the power threshold of P6s is 443.13mW.
- b. SAR test can be excluded in the scenario of NFC launch alone.
- c. TER formula should be used to judge NFC multi-launch:

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

Suppose a mobile phone supports WWAN+WLAN1+WLAN2+BT+NFC simultaneously

According to FCC KDB 447498 D01 DR05-44791

$$SAR_{est} = 0.4 \cdot P_{ant} / P_{7X} [W/kg]$$

$$P_{7X}(d_{mm}, f_{MHz}) := \begin{cases} P_{6S}(d_{mm}, f_{MHz}) & f_{MHz} \leq 100 \\ P_{6to7}(d_{mm}, f_{MHz}) & 100 < f_{MHz} \leq 300 \\ P_7(d_{mm}, f_{MHz}) & 300 < f_{MHz} \end{cases}$$

Estimated SAR	1.6*P _{meas} /P _{th}		
P _{meas} .(dBm)	-33.02	P _{meas} .(mW)	0.0005
P _{th} .(mW)	443.13		
NFC SAR _{est} (W/Kg)	0.000011		

Note:Per manufacturer guide, NFC SAR was considered about only hand held condition (extremity 10-g).

12 SAR Measurement Variability

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

SAR repeated measurement procedure:

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

Frequency Band (MHz)	Wireless Band	RF Exposure Conditions	Test Position	Highest Measured SAR (W/kg)	Repeated SAR (Yes/No)	Repeated ^{1st} Measured SAR (W/kg)	Largest to Smallest SAR Ratio
2542.5	NR n7	Head	Right Cheek	0.880	Yes	0.869	1.01
2600	NR n38	Head	Right Cheek	0.811	Yes	0.806	1.01
2592.99	NR n41	Head	Right Cheek	0.841	Yes	0.836	1.01
2640	NR n41	Head	Right Cheek	1.000	Yes	0.906	1.10
2640	NR n41	Head	Right Tilt	0.858	Yes	0.844	1.02
2546.01	NR n41	Head	Right Cheek	0.921	Yes	0.892	1.03
2569.5	NR n41	Head	Right Cheek	0.911	Yes	0.887	1.03
2616.51	NR n41	Head	Right Cheek	0.906	Yes	0.846	1.07
2640	NR n41	Head	Right Cheek	0.911	Yes	0.865	1.05
2546.01	NR n41	Head	Right Cheek	0.906	Yes	0.879	1.03
2569.5	NR n41	Head	Right Cheek	0.903	Yes	0.846	1.07
2616.51	NR n41	Head	Right Cheek	0.898	Yes	0.816	1.10
2592.99	NR n41	Head	Right Cheek	0.874	Yes	0.826	1.06
2640	NR n41	Head	Right Cheek	0.921	Yes	0.836	1.10
1732.5	NR n66	Head	Right Tilt	0.831	Yes	0.796	1.04
5230	WLAN 5.2G	Hotspot	Back Side	0.870	Yes	0.826	1.05

Note: The ratio of largest to smallest SAR for the original and first repeated measurements is < 1.20, the second repeated measurement. is not required.

13 SIMULTANEOUS TRANSMISSION

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

13.1 Simultaneous Transmission Mode Consider

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

Note:

- WiFi 2.4G and Bluetooth share the same antenna, and can't transmit simultaneously.
- The maximum SAR summation is calculated based on the same configuration and test position.
- The simultaneous transmission combinations of the more antennas contain combinations of less antennas, so only the worst simultaneous transmission combinations is shown in this report.

13.2 Sum SAR of Simultaneous Transmission

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

Band	Antenna	Position	Stand alone SAR				SUM SAR	
			1	2	3	4	WWAN+WIFI2.4G 1+2	WWAN+WIFI5G+BT 1+3+4
			WWAN	MAX. 2.4GWIFI	Max. 5GWIFI	BT		
GSM850	Ant.0	Left Cheek	0.207	0.229	0.310	0.406	0.436	0.848
		Left Tilt	0.118	0.175	0.344	0.278	0.293	0.647
		Right Cheek	0.209	0.078	0.173	0.165	0.287	0.501
		Right Tilt	0.102	0.113	0.187	0.166	0.215	0.421
GSM850	Ant.1	Left Cheek	0.297	0.229	0.310	0.406	0.526	0.938
		Left Tilt	0.233	0.175	0.344	0.278	0.408	0.762
		Right Cheek	0.508	0.078	0.173	0.165	0.586	0.800
		Right Tilt	0.346	0.113	0.187	0.166	0.459	0.665
GSM1900	Ant.0	Left Cheek	0.080	0.229	0.310	0.406	0.309	0.721
		Left Tilt	0.013	0.175	0.344	0.278	0.188	0.542
		Right Cheek	0.021	0.078	0.173	0.165	0.099	0.313
		Right Tilt	0.034	0.113	0.187	0.166	0.147	0.353
GSM1900	Ant.1	Left Cheek	0.401	0.229	0.310	0.406	0.630	1.042
		Left Tilt	0.538	0.175	0.344	0.278	0.713	1.067
		Right Cheek	0.663	0.078	0.173	0.165	0.741	0.955
		Right Tilt	0.818	0.113	0.187	0.166	0.931	1.137
WCDMA B2	Ant.0	Left Cheek	0.123	0.229	0.310	0.406	0.352	0.764
		Left Tilt	0.078	0.175	0.344	0.278	0.253	0.607
		Right Cheek	0.094	0.078	0.173	0.165	0.172	0.386
		Right Tilt	0.065	0.113	0.187	0.166	0.178	0.384
WCDMA B2	Ant.1	Left Cheek	0.460	0.229	0.310	0.406	0.689	1.101
		Left Tilt	0.578	0.175	0.344	0.278	0.753	1.107
		Right Cheek	0.333	0.078	0.173	0.165	0.411	0.625
		Right Tilt	0.878	0.113	0.187	0.166	0.991	1.197
WCDMA B4	Ant.0	Left Cheek	0.111	0.229	0.310	0.406	0.340	0.752
		Left Tilt	0.066	0.175	0.344	0.278	0.241	0.595
		Right Cheek	0.085	0.078	0.173	0.165	0.163	0.377
		Right Tilt	0.074	0.113	0.187	0.166	0.187	0.393
WCDMA B4	Ant.1	Left Cheek	0.586	0.229	0.310	0.406	0.815	1.227
		Left Tilt	0.757	0.175	0.344	0.278	0.932	1.286
		Right Cheek	0.819	0.078	0.173	0.165	0.897	1.111

		Right Tilt	1.036	0.113	0.187	0.166	1.149	1.355
WCDMA B5	Ant.0	Left Cheek	0.168	0.229	0.310	0.406	0.397	0.809
		Left Tilt	0.082	0.175	0.344	0.278	0.257	0.611
		Right Cheek	0.141	0.078	0.173	0.165	0.219	0.433
		Right Tilt	0.066	0.113	0.187	0.166	0.179	0.385
WCDMA B5	Ant.1	Left Cheek	0.368	0.229	0.310	0.406	0.597	1.009
		Left Tilt	0.363	0.175	0.344	0.278	0.538	0.892
		Right Cheek	0.509	0.078	0.173	0.165	0.587	0.801
		Right Tilt	0.474	0.113	0.187	0.166	0.587	0.793
LTE B2	Ant.0	Left Cheek	0.096	0.229	0.310	0.406	0.325	0.737
		Left Tilt	0.058	0.175	0.344	0.278	0.233	0.587
		Right Cheek	0.075	0.078	0.173	0.165	0.153	0.367
		Right Tilt	0.060	0.113	0.187	0.166	0.173	0.379
LTE B2	Ant.1	Left Cheek	0.495	0.229	0.310	0.406	0.724	1.136
		Left Tilt	0.629	0.175	0.344	0.278	0.804	1.158
		Right Cheek	0.701	0.078	0.173	0.165	0.779	0.993
		Right Tilt	0.904	0.113	0.187	0.166	1.017	1.223
LTE B4	Ant.0	Left Cheek	0.093	0.229	0.310	0.406	0.322	0.734
		Left Tilt	0.070	0.175	0.344	0.278	0.245	0.599
		Right Cheek	0.070	0.078	0.173	0.165	0.148	0.362
		Right Tilt	0.079	0.113	0.187	0.166	0.192	0.398
LTE B4	Ant.1	Left Cheek	0.712	0.229	0.310	0.406	0.941	1.353
		Left Tilt	0.849	0.175	0.344	0.278	1.024	1.378
		Right Cheek	0.969	0.078	0.173	0.165	1.047	1.261
		Right Tilt	1.028	0.113	0.187	0.166	1.141	1.347
LTE B4	Ant.4	Left Cheek	0.103	0.229	0.310	0.406	0.332	0.744
		Left Tilt	0.086	0.175	0.344	0.278	0.261	0.615
		Right Cheek	0.074	0.078	0.173	0.165	0.152	0.366
		Right Tilt	0.056	0.113	0.187	0.166	0.169	0.375
LTE B5	Ant.0	Left Cheek	0.162	0.229	0.310	0.406	0.391	0.803
		Left Tilt	0.077	0.175	0.344	0.278	0.252	0.606
		Right Cheek	0.133	0.078	0.173	0.165	0.211	0.425
		Right Tilt	0.027	0.113	0.187	0.166	0.140	0.346
LTE B5	Ant.1	Left Cheek	0.452	0.229	0.310	0.406	0.681	1.093
		Left Tilt	0.441	0.175	0.344	0.278	0.616	0.970
		Right Cheek	0.646	0.078	0.173	0.165	0.724	0.984
		Right Tilt	0.594	0.113	0.187	0.166	0.707	0.947
LTE B7	Ant.0	Left Cheek	0.149	0.229	0.310	0.406	0.378	0.865

		Left Tilt	0.329	0.175	0.344	0.278	0.504	0.951
		Right Cheek	0.121	0.078	0.173	0.165	0.199	0.459
		Right Tilt	0.257	0.113	0.187	0.166	0.370	0.610
LTE B7	Ant.1	Left Cheek	0.350	0.229	0.310	0.406	0.579	1.066
		Left Tilt	0.331	0.175	0.344	0.278	0.506	0.953
		Right Cheek	1.005	0.078	0.173	0.165	1.083	1.343
		Right Tilt	0.939	0.113	0.187	0.166	1.052	1.292
LTE B7	Ant.4	Left Cheek	0.146	0.229	0.310	0.406	0.375	0.862
		Left Tilt	0.072	0.175	0.344	0.278	0.247	0.694
		Right Cheek	0.271	0.078	0.173	0.165	0.349	0.609
		Right Tilt	0.066	0.113	0.187	0.166	0.179	0.419
LTE B12	Ant.0	Left Cheek	0.122	0.229	0.310	0.406	0.351	0.838
		Left Tilt	0.062	0.175	0.344	0.278	0.237	0.684
		Right Cheek	0.093	0.078	0.173	0.165	0.171	0.431
		Right Tilt	0.028	0.113	0.187	0.166	0.141	0.381
LTE B12	Ant.1	Left Cheek	0.444	0.229	0.310	0.406	0.673	1.160
		Left Tilt	0.456	0.175	0.344	0.278	0.631	1.078
		Right Cheek	0.778	0.078	0.173	0.165	0.856	1.116
		Right Tilt	0.735	0.113	0.187	0.166	0.848	1.088
LTE B13	Ant.0	Left Cheek	0.110	0.229	0.310	0.406	0.339	0.826
		Left Tilt	0.062	0.175	0.344	0.278	0.237	0.684
		Right Cheek	0.089	0.078	0.173	0.165	0.167	0.427
		Right Tilt	0.024	0.113	0.187	0.166	0.137	0.377
LTE B13	Ant.1	Left Cheek	0.350	0.229	0.310	0.406	0.579	1.066
		Left Tilt	0.348	0.175	0.344	0.278	0.523	0.970
		Right Cheek	0.544	0.078	0.173	0.165	0.622	0.882
		Right Tilt	0.503	0.113	0.187	0.166	0.616	0.856
LTE B17	Ant.0	Left Cheek	0.158	0.229	0.310	0.406	0.387	0.874
		Left Tilt	0.046	0.175	0.344	0.278	0.221	0.668
		Right Cheek	0.098	0.078	0.173	0.165	0.176	0.436
		Right Tilt	0.036	0.113	0.187	0.166	0.149	0.389
LTE B17	Ant.1	Left Cheek	0.439	0.229	0.310	0.406	0.668	1.155
		Left Tilt	0.463	0.175	0.344	0.278	0.638	1.085
		Right Cheek	0.774	0.078	0.173	0.165	0.852	1.112
		Right Tilt	0.713	0.113	0.187	0.166	0.826	1.066
LTE B26	Ant.0	Left Cheek	0.181	0.229	0.310	0.406	0.410	0.897
		Left Tilt	0.088	0.175	0.344	0.278	0.263	0.710
		Right Cheek	0.120	0.078	0.173	0.165	0.198	0.458

		Right Tilt	0.016	0.113	0.187	0.166	0.129	0.369
LTE B26	Ant.1	Left Cheek	0.530	0.229	0.310	0.406	0.759	1.246
		Left Tilt	0.555	0.175	0.344	0.278	0.730	1.177
		Right Cheek	0.774	0.078	0.173	0.165	0.852	1.112
		Right Tilt	0.744	0.113	0.187	0.166	0.857	1.097
LTE B38	Ant.0	Left Cheek	0.148	0.229	0.310	0.406	0.377	0.864
		Left Tilt	0.097	0.175	0.344	0.278	0.272	0.719
		Right Cheek	0.249	0.078	0.173	0.165	0.327	0.587
		Right Tilt	0.104	0.113	0.187	0.166	0.217	0.457
LTE B38	Ant.1	Left Cheek	0.356	0.229	0.310	0.406	0.585	1.072
		Left Tilt	0.311	0.175	0.344	0.278	0.486	0.933
		Right Cheek	1.078	0.078	0.173	0.165	1.156	1.416
		Right Tilt	1.023	0.113	0.187	0.166	1.136	1.376
LTE B38	Ant.4	Left Cheek	0.102	0.229	0.310	0.406	0.331	0.818
		Left Tilt	0.084	0.175	0.344	0.278	0.259	0.706
		Right Cheek	0.227	0.078	0.173	0.165	0.305	0.565
		Right Tilt	0.071	0.113	0.187	0.166	0.184	0.424
LTE B41	Ant.0	Left Cheek	0.162	0.229	0.310	0.406	0.391	0.878
		Left Tilt	0.108	0.175	0.344	0.278	0.283	0.730
		Right Cheek	0.289	0.078	0.173	0.165	0.367	0.627
		Right Tilt	0.129	0.113	0.187	0.166	0.242	0.482
LTE B41	Ant.1	Left Cheek	0.369	0.229	0.310	0.406	0.598	1.085
		Left Tilt	0.335	0.175	0.344	0.278	0.510	0.957
		Right Cheek	1.160	0.078	0.173	0.165	1.238	1.498
		Right Tilt	0.986	0.113	0.187	0.166	1.099	1.339
LTE B41	Ant.4	Left Cheek	0.119	0.229	0.310	0.406	0.348	0.835
		Left Tilt	0.097	0.175	0.344	0.278	0.272	0.719
		Right Cheek	0.230	0.078	0.173	0.165	0.308	0.568
		Right Tilt	0.073	0.113	0.187	0.166	0.186	0.426
LTE B66	Ant.0	Left Cheek	0.113	0.229	0.310	0.406	0.342	0.829
		Left Tilt	0.071	0.175	0.344	0.278	0.246	0.693
		Right Cheek	0.065	0.078	0.173	0.165	0.143	0.403
		Right Tilt	0.074	0.113	0.187	0.166	0.187	0.427
LTE B66	Ant.1	Left Cheek	0.537	0.229	0.310	0.406	0.766	1.253
		Left Tilt	0.681	0.175	0.344	0.278	0.856	1.303
		Right Cheek	0.899	0.078	0.173	0.165	0.977	1.237
		Right Tilt	1.217	0.113	0.187	0.166	1.330	1.570
LTE B66	Ant.4	Left Cheek	0.117	0.229	0.310	0.406	0.346	0.833

		Left Tilt	0.102	0.175	0.344	0.278	0.277	0.724
		Right Cheek	0.222	0.078	0.173	0.165	0.300	0.560
		Right Tilt	0.089	0.113	0.187	0.166	0.202	0.442
N5	Ant.0	Left Cheek	0.075	0.229	0.310	0.406	0.304	0.791
		Left Tilt	0.046	0.175	0.344	0.278	0.221	0.668
		Right Cheek	0.061	0.078	0.173	0.165	0.139	0.399
		Right Tilt	0.034	0.113	0.187	0.166	0.147	0.387
N5	Ant.1	Left Cheek	0.512	0.229	0.310	0.406	0.741	1.228
		Left Tilt	0.455	0.175	0.344	0.278	0.630	1.077
		Right Cheek	0.971	0.078	0.173	0.165	1.049	1.309
		Right Tilt	0.751	0.113	0.187	0.166	0.864	1.104
N7	Ant.0	Left Cheek	0.151	0.229	0.310	0.406	0.380	0.867
		Left Tilt	0.022	0.175	0.344	0.278	0.197	0.644
		Right Cheek	0.274	0.078	0.173	0.165	0.352	0.612
		Right Tilt	0.065	0.113	0.187	0.166	0.178	0.418
N7	Ant.1	Left Cheek	0.323	0.229	0.310	0.406	0.552	1.039
		Left Tilt	0.294	0.175	0.344	0.278	0.469	0.916
		Right Cheek	0.989	0.078	0.173	0.165	1.067	1.327
		Right Tilt	0.867	0.113	0.187	0.166	0.980	1.220
N7	Ant.4	Left Cheek	0.160	0.229	0.310	0.406	0.389	0.876
		Left Tilt	0.031	0.175	0.344	0.278	0.206	0.653
		Right Cheek	0.287	0.078	0.173	0.165	0.365	0.625
		Right Tilt	0.067	0.113	0.187	0.166	0.180	0.420
N38	Ant.0	Left Cheek	0.229	0.229	0.310	0.406	0.458	0.945
		Left Tilt	0.020	0.175	0.344	0.278	0.195	0.642
		Right Cheek	0.450	0.078	0.173	0.165	0.528	0.788
		Right Tilt	0.165	0.113	0.187	0.166	0.278	0.518
N38	Ant.1	Left Cheek	0.323	0.229	0.310	0.406	0.552	1.039
		Left Tilt	0.294	0.175	0.344	0.278	0.469	0.916
		Right Cheek	0.989	0.078	0.173	0.165	1.067	1.327
		Right Tilt	0.867	0.113	0.187	0.166	0.980	1.220
N38	Ant.4	Left Cheek	0.192	0.229	0.310	0.406	0.421	0.908
		Left Tilt	0.039	0.175	0.344	0.278	0.214	0.661
		Right Cheek	0.406	0.078	0.173	0.165	0.484	0.744
		Right Tilt	0.100	0.113	0.187	0.166	0.213	0.453
N41	Ant.0	Left Cheek	0.244	0.229	0.310	0.406	0.473	0.960
		Left Tilt	0.181	0.175	0.344	0.278	0.356	0.803
		Right Cheek	0.379	0.078	0.173	0.165	0.457	0.717

		Right Tilt	0.126	0.113	0.187	0.166	0.239	0.479
N41	Ant.1	Left Cheek	0.375	0.229	0.310	0.406	0.604	1.091
		Left Tilt	0.390	0.175	0.344	0.278	0.565	1.012
		Right Cheek	1.156	0.078	0.173	0.165	1.234	1.494
		Right Tilt	0.992	0.113	0.187	0.166	1.105	1.345
N41	Ant.4	Left Cheek	0.125	0.229	0.310	0.406	0.354	0.841
		Left Tilt	0.031	0.175	0.344	0.278	0.206	0.653
		Right Cheek	0.331	0.078	0.173	0.165	0.409	0.669
		Right Tilt	0.075	0.113	0.187	0.166	0.188	0.428
N66	Ant.0	Left Cheek	0.585	0.229	0.310	0.406	0.814	1.301
		Left Tilt	0.717	0.175	0.344	0.278	0.892	1.339
		Right Cheek	0.937	0.078	0.173	0.165	1.015	1.275
		Right Tilt	1.093	0.113	0.187	0.166	1.206	1.446
N66	Ant.1	Left Cheek	0.109	0.229	0.310	0.406	0.338	0.825
		Left Tilt	0.094	0.175	0.344	0.278	0.269	0.716
		Right Cheek	0.244	0.078	0.173	0.165	0.322	0.582
		Right Tilt	0.074	0.113	0.187	0.166	0.187	0.427
N66	Ant.4	Left Cheek	0.116	0.229	0.310	0.406	0.345	0.832
		Left Tilt	0.088	0.175	0.344	0.278	0.263	0.710
		Right Cheek	0.135	0.078	0.173	0.165	0.213	0.473
		Right Tilt	0.081	0.113	0.187	0.166	0.194	0.434

Note:

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

2: The highest Summed 1g SAR is 1.57 W/Kg < 1.6 W/kg, so Simultaneous Transmission SAR test is not required.

13.2.2 Body Simultaneous Transmission SAR Evaluation for WWAN Antenna with WLAN and Bluetooth

Band	Antenna	Position	Stand alone SAR				SUM SAR	
			1	2	3	4	WWAN+WIFI2.4G 1+2	WWAN+WIFI5G+BT 1+3+4
			WWAN	MAX. 2.4GWIFI	MAX. 5GWIFI	BT		
GSM850	Ant.0	Front Side 15mm	0.113	0.040	0.087	0.014	0.153	0.214
		Back Side 15mm	0.134	0.063	0.261	0.058	0.197	0.453
GSM850	Ant.1	Front Side 15mm	0.107	0.040	0.087	0.014	0.147	0.208
		Back Side 15mm	0.125	0.063	0.261	0.058	0.188	0.444
GSM1900	Ant.0	Front Side 15mm	0.082	0.040	0.087	0.014	0.122	0.183
		Back Side 15mm	0.136	0.063	0.261	0.058	0.199	0.455
GSM1900	Ant.1	Front Side 15mm	0.078	0.040	0.087	0.014	0.118	0.179
		Back Side 15mm	0.159	0.063	0.261	0.058	0.222	0.478
WCDMA B2	Ant.0	Front Side 15mm	0.083	0.040	0.087	0.014	0.123	0.184
		Back Side 15mm	0.125	0.063	0.261	0.058	0.188	0.444
WCDMA B2	Ant.1	Front Side 15mm	0.075	0.040	0.087	0.014	0.115	0.176
		Back Side 15mm	0.162	0.063	0.261	0.058	0.225	0.481
WCDMA B4	Ant.0	Front Side 15mm	0.081	0.040	0.087	0.014	0.121	0.182
		Back Side 15mm	0.142	0.063	0.261	0.058	0.205	0.461
WCDMA B4	Ant.1	Front Side 15mm	0.123	0.040	0.087	0.014	0.163	0.224
		Back Side 15mm	0.200	0.063	0.261	0.058	0.263	0.519
WCDMA B5	Ant.0	Front Side 15mm	0.099	0.040	0.087	0.014	0.139	0.200
		Back Side 15mm	0.158	0.063	0.261	0.058	0.221	0.477
WCDMA B5	Ant.1	Front Side 15mm	0.178	0.040	0.087	0.014	0.218	0.279
		Back Side 15mm	0.205	0.063	0.261	0.058	0.268	0.524
LTE B2	Ant.0	Front Side 15mm	0.098	0.040	0.087	0.014	0.138	0.199
		Back Side 15mm	0.132	0.063	0.261	0.058	0.195	0.451
LTE B2	Ant.1	Front Side 15mm	0.085	0.040	0.087	0.014	0.125	0.186
		Back Side 15mm	0.173	0.063	0.261	0.058	0.236	0.492
LTE B4	Ant.0	Front Side 15mm	0.098	0.040	0.087	0.014	0.138	0.199
		Back Side 15mm	0.147	0.063	0.261	0.058	0.210	0.466
LTE B4	Ant.1	Front Side 15mm	0.132	0.040	0.087	0.014	0.172	0.233
		Back Side 15mm	0.198	0.063	0.261	0.058	0.261	0.517
LTE B4	Ant.4	Front Side 15mm	0.008	0.040	0.087	0.014	0.048	0.109
		Back Side 15mm	0.049	0.063	0.261	0.058	0.112	0.368
LTE B5	Ant.0	Front Side 15mm	0.150	0.040	0.087	0.014	0.190	0.251
		Back Side 15mm	0.128	0.063	0.261	0.058	0.191	0.447

LTE B5	Ant.1	Front Side 15mm	0.205	0.040	0.087	0.014	0.245	0.306
		Back Side 15mm	0.189	0.063	0.261	0.058	0.252	0.508
LTE B7	Ant.0	Front Side 15mm	0.139	0.040	0.087	0.014	0.179	0.240
		Back Side 15mm	0.247	0.063	0.261	0.058	0.310	0.566
LTE B7	Ant.1	Front Side 15mm	0.114	0.040	0.087	0.014	0.154	0.215
		Back Side 15mm	0.183	0.063	0.261	0.058	0.246	0.502
LTE B7	Ant.4	Front Side 15mm	0.051	0.040	0.087	0.014	0.091	0.152
		Back Side 15mm	0.105	0.063	0.261	0.058	0.168	0.424
LTE B12	Ant.0	Front Side 15mm	0.089	0.040	0.087	0.014	0.129	0.190
		Back Side 15mm	0.139	0.063	0.261	0.058	0.202	0.458
LTE B12	Ant.1	Front Side 15mm	0.096	0.040	0.087	0.014	0.136	0.197
		Back Side 15mm	0.128	0.063	0.261	0.058	0.191	0.447
LTE B13	Ant.0	Front Side 15mm	0.083	0.040	0.087	0.014	0.123	0.184
		Back Side 15mm	0.105	0.063	0.261	0.058	0.168	0.424
LTE B13	Ant.1	Front Side 15mm	0.163	0.040	0.087	0.014	0.203	0.264
		Back Side 15mm	0.204	0.063	0.261	0.058	0.267	0.523
LTE B17	Ant.0	Front Side 15mm	0.158	0.040	0.087	0.014	0.198	0.259
		Back Side 15mm	0.201	0.063	0.261	0.058	0.264	0.520
LTE B17	Ant.1	Front Side 15mm	0.139	0.040	0.087	0.014	0.179	0.240
		Back Side 15mm	0.185	0.063	0.261	0.058	0.248	0.504
LTE B26	Ant.0	Front Side 15mm	0.096	0.040	0.087	0.014	0.136	0.197
		Back Side 15mm	0.154	0.063	0.261	0.058	0.217	0.473
LTE B26	Ant.1	Front Side 15mm	0.219	0.040	0.087	0.014	0.259	0.320
		Back Side 15mm	0.251	0.063	0.261	0.058	0.314	0.570
LTE B38	Ant.0	Front Side 15mm	0.180	0.040	0.087	0.014	0.220	0.281
		Back Side 15mm	0.288	0.063	0.261	0.058	0.351	0.607
LTE B38	Ant.1	Front Side 15mm	0.138	0.040	0.087	0.014	0.178	0.239
		Back Side 15mm	0.234	0.063	0.261	0.058	0.297	0.553
LTE B38	Ant.4	Front Side 15mm	0.035	0.040	0.087	0.014	0.075	0.136
		Back Side 15mm	0.097	0.063	0.261	0.058	0.160	0.416
LTE B41	Ant.0	Front Side 15mm	0.215	0.040	0.087	0.014	0.255	0.316
		Back Side 15mm	0.315	0.063	0.261	0.058	0.378	0.634
LTE B41	Ant.1	Front Side 15mm	0.139	0.040	0.087	0.014	0.179	0.240
		Back Side 15mm	0.226	0.063	0.261	0.058	0.289	0.545
LTE B41	Ant.4	Front Side 15mm	0.051	0.040	0.087	0.014	0.091	0.152
		Back Side 15mm	0.112	0.063	0.261	0.058	0.175	0.431
LTE B66	Ant.0	Front Side 15mm	0.115	0.040	0.087	0.014	0.155	0.216
		Back Side 15mm	0.174	0.063	0.261	0.058	0.237	0.493

LTE B66	Ant.1	Front Side 15mm	0.219	0.040	0.087	0.014	0.259	0.320
		Back Side 15mm	0.253	0.063	0.261	0.058	0.316	0.572
LTE B66	Ant.4	Front Side 15mm	0.034	0.040	0.087	0.014	0.074	0.135
		Back Side 15mm	0.063	0.063	0.261	0.058	0.126	0.382
N5	Ant.0	Front Side 15mm	0.061	0.040	0.087	0.014	0.101	0.162
		Back Side 15mm	0.130	0.063	0.261	0.058	0.193	0.449
N5	Ant.1	Front Side 15mm	0.171	0.040	0.087	0.014	0.211	0.272
		Back Side 15mm	0.214	0.063	0.261	0.058	0.277	0.533
N7	Ant.0	Front Side 15mm	0.182	0.040	0.087	0.014	0.222	0.283
		Back Side 15mm	0.310	0.063	0.261	0.058	0.373	0.629
N7	Ant.1	Front Side 15mm	0.225	0.040	0.087	0.014	0.265	0.326
		Back Side 15mm	0.312	0.063	0.261	0.058	0.375	0.631
N7	Ant.4	Front Side 15mm	0.025	0.040	0.087	0.014	0.065	0.126
		Back Side 15mm	0.093	0.063	0.261	0.058	0.156	0.412
N38	Ant.0	Front Side 15mm	0.152	0.040	0.087	0.014	0.192	0.253
		Back Side 15mm	0.246	0.063	0.261	0.058	0.309	0.565
N38	Ant.1	Front Side 15mm	0.146	0.040	0.087	0.014	0.186	0.247
		Back Side 15mm	0.240	0.063	0.261	0.058	0.303	0.559
N38	Ant.4	Front Side 15mm	0.049	0.040	0.087	0.014	0.089	0.150
		Back Side 15mm	0.124	0.063	0.261	0.058	0.187	0.443
N41	Ant.0	Front Side 15mm	0.145	0.040	0.087	0.014	0.185	0.246
		Back Side 15mm	0.235	0.063	0.261	0.058	0.298	0.554
N41	Ant.1	Front Side 15mm	0.139	0.040	0.087	0.014	0.179	0.240
		Back Side 15mm	0.201	0.063	0.261	0.058	0.264	0.520
N41	Ant.4	Front Side 15mm	0.022	0.040	0.087	0.014	0.062	0.123
		Back Side 15mm	0.124	0.063	0.261	0.058	0.187	0.443
N66	Ant.0	Front Side 15mm	0.108	0.040	0.087	0.014	0.148	0.209
		Back Side 15mm	0.167	0.063	0.261	0.058	0.230	0.486
N66	Ant.1	Front Side 15mm	0.172	0.040	0.087	0.014	0.212	0.273
		Back Side 15mm	0.249	0.063	0.261	0.058	0.312	0.568
N66	Ant.4	Front Side 15mm	0.029	0.040	0.087	0.014	0.069	0.130
		Back Side 15mm	0.075	0.063	0.261	0.058	0.138	0.394

Note:

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

2: The highest Summed 1g SAR is 0.634 W/Kg < 1.6 W/kg, so Simultaneous Transmission SAR test is not required.

13.2.3 Body Simultaneous Transmission SAR Evaluation for WWAN Antenna with WLAN and Bluetooth

Band	Antenna	Position	Stand alone SAR				SUM SAR	
			1	2	3	4	WWAN+WIFI2.4G 1+2	WWAN+WIFI5G+BT 1+3+4
			WWAN	MAX. 2.4GWIFI	MAX. 5GWIFI	BT		
GSM850	Ant.0	Front Side 10mm	0.166	0.088	0.174	0.077	0.254	0.417
		Back Side 10mm	0.278	0.167	0.533	0.116	0.445	0.927
		Left Edge10mm	0.081	0.091	0.474	0.063	0.172	0.618
		Right Edge 10mm	0.143	0.009	0.038	0.012	0.152	0.193
		Bottom Edge 10mm	0.211	0.003	0.009	0.006	0.214	0.226
GSM850	Ant.1	Front Side 10mm	0.107	0.088	0.174	0.077	0.195	0.358
		Back Side 10mm	0.133	0.167	0.533	0.116	0.300	0.782
		Right Edge 10mm	0.101	0.009	0.038	0.012	0.110	0.151
		Top Edge 10mm	0.138	0.102	0.516	0.072	0.240	0.726
GSM1900	Ant.0	Front Side 10mm	0.112	0.088	0.174	0.077	0.200	0.363
		Back Side 10mm	0.263	0.167	0.533	0.116	0.430	0.912
		Left Edge10mm	0.095	0.091	0.474	0.063	0.186	0.632
		Right Edge 10mm	0.041	0.009	0.038	0.012	0.050	0.091
		Bottom Edge 10mm	0.361	0.003	0.009	0.006	0.364	0.376
GSM1900	Ant.1	Front Side 10mm	0.156	0.088	0.174	0.077	0.244	0.407
		Back Side 10mm	0.276	0.167	0.533	0.116	0.443	0.925
		Right Edge 10mm	0.040	0.009	0.038	0.012	0.049	0.090
		Top Edge 10mm	0.366	0.102	0.516	0.072	0.468	0.954
WCDMA B2	Ant.0	Front Side 10mm	0.150	0.088	0.174	0.077	0.238	0.401
		Back Side 10mm	0.216	0.167	0.533	0.116	0.383	0.865
		Left Edge10mm	0.094	0.091	0.474	0.063	0.185	0.631
		Right Edge 10mm	0.038	0.009	0.038	0.012	0.047	0.088
		Bottom Edge 10mm	0.346	0.003	0.009	0.006	0.349	0.361
WCDMA B2	Ant.1	Front Side 10mm	0.166	0.088	0.174	0.077	0.254	0.417
		Back Side 10mm	0.289	0.167	0.533	0.116	0.456	0.938
		Right Edge 10mm	0.043	0.009	0.038	0.012	0.052	0.093
		Top Edge 10mm	0.342	0.102	0.516	0.072	0.444	0.930
WCDMA B4	Ant.0	Front Side 10mm	0.147	0.088	0.174	0.077	0.235	0.398
		Back Side 10mm	0.260	0.167	0.533	0.116	0.427	0.909
		Left Edge10mm	0.076	0.091	0.474	0.063	0.167	0.613
		Right Edge 10mm	0.022	0.009	0.038	0.012	0.031	0.072
		Bottom Edge 10mm	0.343	0.003	0.009	0.006	0.346	0.358

WCDMA B4	Ant.1	Front Side 10mm	0.222	0.088	0.174	0.077	0.310	0.473
		Back Side 10mm	0.328	0.167	0.533	0.116	0.495	0.977
		Right Edge 10mm	0.059	0.009	0.038	0.012	0.068	0.109
		Top Edge 10mm	0.508	0.102	0.516	0.072	0.610	1.096
WCDMA B5	Ant.0	Front Side 10mm	0.149	0.088	0.174	0.077	0.237	0.400
		Back Side 10mm	0.242	0.167	0.533	0.116	0.409	0.891
		Left Edge10mm	0.067	0.091	0.474	0.063	0.158	0.604
		Right Edge 10mm	0.081	0.009	0.038	0.012	0.090	0.131
		Bottom Edge 10mm	0.226	0.003	0.009	0.006	0.229	0.241
WCDMA B5	Ant.1	Front Side 10mm	0.201	0.088	0.174	0.077	0.289	0.452
		Back Side 10mm	0.225	0.167	0.533	0.116	0.392	0.874
		Right Edge 10mm	0.162	0.009	0.038	0.012	0.171	0.212
		Top Edge 10mm	0.233	0.102	0.516	0.072	0.335	0.821
LTE B2	Ant.0	Front Side 10mm	0.169	0.088	0.174	0.077	0.257	0.420
		Back Side 10mm	0.239	0.167	0.533	0.116	0.406	0.888
		Left Edge10mm	0.080	0.091	0.474	0.063	0.171	0.617
		Right Edge 10mm	0.042	0.009	0.038	0.012	0.051	0.092
		Bottom Edge 10mm	0.336	0.003	0.009	0.006	0.339	0.351
LTE B2	Ant.1	Front Side 10mm	0.118	0.088	0.174	0.077	0.206	0.369
		Back Side 10mm	0.258	0.167	0.533	0.116	0.425	0.907
		Right Edge 10mm	0.331	0.009	0.038	0.012	0.340	0.381
		Top Edge 10mm	0.365	0.102	0.516	0.072	0.467	0.953
LTE B4	Ant.0	Front Side 10mm	0.170	0.088	0.174	0.077	0.258	0.421
		Back Side 10mm	0.268	0.167	0.533	0.116	0.435	0.917
		Left Edge10mm	0.078	0.091	0.474	0.063	0.169	0.615
		Right Edge 10mm	0.055	0.009	0.038	0.012	0.064	0.105
		Bottom Edge 10mm	0.434	0.003	0.009	0.006	0.437	0.449
LTE B4	Ant.1	Front Side 10mm	0.226	0.088	0.174	0.077	0.314	0.477
		Back Side 10mm	0.309	0.167	0.533	0.116	0.476	0.958
		Right Edge 10mm	0.061	0.009	0.038	0.012	0.070	0.111
		Top Edge 10mm	0.497	0.102	0.516	0.072	0.599	1.085
LTE B4	Ant.4	Front Side 10mm	0.015	0.088	0.174	0.077	0.103	0.266
		Back Side 10mm	0.114	0.167	0.533	0.116	0.281	0.763
		Right Edge 10mm	0.109	0.009	0.038	0.012	0.118	0.159
		Top Edge 10mm	0.004	0.102	0.516	0.072	0.106	0.592
LTE B5	Ant.0	Front Side 10mm	0.075	0.088	0.174	0.077	0.163	0.326
		Back Side 10mm	0.128	0.167	0.533	0.116	0.295	0.777
		Left Edge10mm	0.034	0.091	0.474	0.063	0.125	0.571

		Right Edge 10mm	0.045	0.009	0.038	0.012	0.054	0.095
		Bottom Edge 10mm	0.102	0.003	0.009	0.006	0.105	0.117
LTE B5	Ant.1	Front Side 10mm	0.255	0.088	0.174	0.077	0.343	0.506
		Back Side 10mm	0.266	0.167	0.533	0.116	0.433	0.915
		Right Edge 10mm	0.195	0.009	0.038	0.012	0.204	0.245
		Top Edge 10mm	0.263	0.102	0.516	0.072	0.365	0.851
LTE B7	Ant.0	Front Side 10mm	0.276	0.088	0.174	0.077	0.364	0.527
		Back Side 10mm	0.437	0.167	0.533	0.116	0.604	1.086
		Left Edge10mm	0.183	0.091	0.474	0.063	0.274	0.720
		Right Edge 10mm	0.015	0.009	0.038	0.012	0.024	0.065
		Bottom Edge 10mm	0.211	0.003	0.009	0.006	0.214	0.226
LTE B7	Ant.1	Front Side 10mm	0.213	0.088	0.174	0.077	0.301	0.464
		Back Side 10mm	0.395	0.167	0.533	0.116	0.562	1.044
		Right Edge 10mm	0.280	0.009	0.038	0.012	0.289	0.330
		Top Edge 10mm	0.180	0.102	0.516	0.072	0.282	0.768
LTE B7	Ant.4	Front Side 10mm	0.017	0.088	0.174	0.077	0.105	0.268
		Back Side 10mm	0.271	0.167	0.533	0.116	0.438	0.920
		Right Edge 10mm	0.239	0.009	0.038	0.012	0.248	0.289
		Top Edge 10mm	0.009	0.102	0.516	0.072	0.111	0.597
LTE B12	Ant.0	Front Side 10mm	0.108	0.088	0.174	0.077	0.196	0.359
		Back Side 10mm	0.189	0.167	0.533	0.116	0.356	0.838
		Left Edge10mm	0.111	0.091	0.474	0.063	0.202	0.648
		Right Edge 10mm	0.160	0.009	0.038	0.012	0.169	0.210
		Bottom Edge 10mm	0.096	0.003	0.009	0.006	0.099	0.111
LTE B12	Ant.1	Front Side 10mm	0.134	0.088	0.174	0.077	0.222	0.385
		Back Side 10mm	0.207	0.167	0.533	0.116	0.374	0.856
		Right Edge 10mm	0.250	0.009	0.038	0.012	0.259	0.300
		Top Edge 10mm	0.180	0.102	0.516	0.072	0.282	0.768
LTE B13	Ant.0	Front Side 10mm	0.093	0.088	0.174	0.077	0.181	0.344
		Back Side 10mm	0.138	0.167	0.533	0.116	0.305	0.787
		Left Edge10mm	0.054	0.091	0.474	0.063	0.145	0.591
		Right Edge 10mm	0.082	0.009	0.038	0.012	0.091	0.132
		Bottom Edge 10mm	0.134	0.003	0.009	0.006	0.137	0.149
LTE B13	Ant.1	Front Side 10mm	0.129	0.088	0.174	0.077	0.217	0.380
		Back Side 10mm	0.181	0.167	0.533	0.116	0.348	0.830
		Right Edge 10mm	0.149	0.009	0.038	0.012	0.158	0.199
		Top Edge 10mm	0.145	0.102	0.516	0.072	0.247	0.733
LTE B17	Ant.0	Front Side 10mm	0.108	0.088	0.174	0.077	0.196	0.359

		Back Side 10mm	0.192	0.167	0.533	0.116	0.359	0.841
		Left Edge10mm	0.107	0.091	0.474	0.063	0.198	0.644
		Right Edge 10mm	0.158	0.009	0.038	0.012	0.167	0.208
		Bottom Edge 10mm	0.097	0.003	0.009	0.006	0.100	0.112
LTE B17	Ant.1	Front Side 10mm	0.100	0.088	0.174	0.077	0.188	0.351
		Back Side 10mm	0.142	0.167	0.533	0.116	0.309	0.791
		Right Edge 10mm	0.176	0.009	0.038	0.012	0.185	0.226
		Top Edge 10mm	0.117	0.102	0.516	0.072	0.219	0.705
LTE B26	Ant.0	Front Side 10mm	0.154	0.088	0.174	0.077	0.242	0.405
		Back Side 10mm	0.280	0.167	0.533	0.116	0.447	0.929
		Left Edge10mm	0.059	0.091	0.474	0.063	0.150	0.596
		Right Edge 10mm	0.090	0.009	0.038	0.012	0.099	0.140
		Top Edge 10mm	0.154	0.003	0.009	0.006	0.157	0.169
LTE B26	Ant.1	Front Side 10mm	0.201	0.088	0.174	0.077	0.289	0.452
		Back Side 10mm	0.257	0.167	0.533	0.116	0.424	0.906
		Right Edge 10mm	0.168	0.009	0.038	0.012	0.177	0.218
		Top Edge 10mm	0.275	0.102	0.516	0.072	0.377	0.863
LTE B38	Ant.0	Front Side 10mm	0.145	0.088	0.174	0.077	0.233	0.396
		Back Side 10mm	0.201	0.167	0.533	0.116	0.368	0.850
		Left Edge10mm	0.088	0.091	0.474	0.063	0.179	0.625
		Right Edge 10mm	0.019	0.009	0.038	0.012	0.028	0.069
		Top Edge 10mm	0.096	0.003	0.009	0.006	0.099	0.111
LTE B38	Ant.1	Front Side 10mm	0.291	0.088	0.174	0.077	0.379	0.542
		Back Side 10mm	0.603	0.167	0.533	0.116	0.770	1.252
		Right Edge 10mm	0.491	0.009	0.038	0.012	0.500	0.541
		Top Edge 10mm	0.229	0.102	0.516	0.072	0.331	0.817
LTE B38	Ant.4	Front Side 10mm	0.018	0.088	0.174	0.077	0.106	0.269
		Back Side 10mm	0.247	0.167	0.533	0.116	0.414	0.896
		Right Edge 10mm	0.221	0.009	0.038	0.012	0.230	0.271
		Top Edge 10mm	0.009	0.102	0.516	0.072	0.111	0.597
LTE B41	Ant.0	Front Side 10mm	0.375	0.088	0.174	0.077	0.463	0.626
		Back Side 10mm	0.559	0.167	0.533	0.116	0.726	1.208
		Left Edge10mm	0.215	0.091	0.474	0.063	0.306	0.752
		Right Edge 10mm	0.027	0.009	0.038	0.012	0.036	0.077
		Top Edge 10mm	0.291	0.003	0.009	0.006	0.294	0.306
LTE B41	Ant.1	Front Side 10mm	0.264	0.088	0.174	0.077	0.352	0.515
		Back Side 10mm	0.515	0.167	0.533	0.116	0.682	1.164
		Right Edge 10mm	0.414	0.009	0.038	0.012	0.423	0.464

		Top Edge 10mm	0.390	0.102	0.516	0.072	0.492	0.978
LTE B41	Ant.4	Front Side 10mm	0.031	0.088	0.174	0.077	0.119	0.282
		Back Side 10mm	0.297	0.167	0.533	0.116	0.464	0.946
		Right Edge 10mm	0.243	0.009	0.038	0.012	0.252	0.293
		Top Edge 10mm	0.015	0.102	0.516	0.072	0.117	0.603
		Front Side 10mm	0.148	0.088	0.174	0.077	0.236	0.399
LTE B66	Ant.0	Back Side 10mm	0.216	0.167	0.533	0.116	0.383	0.865
		Left Edge10mm	0.064	0.091	0.474	0.063	0.155	0.601
		Right Edge 10mm	0.036	0.009	0.038	0.012	0.045	0.086
		Bottom Edge 10mm	0.371	0.003	0.009	0.006	0.374	0.386
		Front Side 10mm	0.214	0.088	0.174	0.077	0.302	0.465
LTE B66	Ant.1	Back Side 10mm	0.301	0.167	0.533	0.116	0.468	0.950
		Right Edge 10mm	0.059	0.009	0.038	0.012	0.068	0.109
		Top Edge 10mm	0.461	0.102	0.516	0.072	0.563	1.049
		Front Side 10mm	0.017	0.088	0.174	0.077	0.105	0.268
LTE B66	Ant.4	Back Side 10mm	0.164	0.167	0.533	0.116	0.331	0.813
		Right Edge 10mm	0.131	0.009	0.038	0.012	0.140	0.181
		Top Edge 10mm	0.009	0.102	0.516	0.072	0.111	0.597
		Front Side 10mm	0.074	0.088	0.174	0.077	0.162	0.325
N5	Ant.0	Back Side 10mm	0.161	0.167	0.533	0.116	0.328	0.810
		Left Edge10mm	0.031	0.091	0.474	0.063	0.122	0.568
		Right Edge 10mm	0.066	0.009	0.038	0.012	0.075	0.116
		Bottom Edge 10mm	0.164	0.003	0.009	0.006	0.167	0.179
		Front Side 10mm	0.201	0.088	0.174	0.077	0.289	0.452
N5	Ant.1	Back Side 10mm	0.245	0.167	0.533	0.116	0.412	0.894
		Right Edge 10mm	0.193	0.009	0.038	0.012	0.202	0.243
		Top Edge 10mm	0.286	0.102	0.516	0.072	0.388	0.874
		Front Side 10mm	0.383	0.088	0.174	0.077	0.471	0.634
N7	Ant.0	Back Side 10mm	0.596	0.167	0.533	0.116	0.763	1.245
		Left Edge10mm	0.384	0.091	0.474	0.063	0.475	0.921
		Right Edge 10mm	0.083	0.009	0.038	0.012	0.092	0.133
		Bottom Edge 10mm	0.372	0.003	0.009	0.006	0.375	0.387
		Front Side 10mm	0.384	0.088	0.174	0.077	0.472	0.635
N7	Ant.1	Back Side 10mm	0.621	0.167	0.533	0.116	0.788	1.270
		Right Edge 10mm	0.506	0.009	0.038	0.012	0.515	0.556
		Top Edge 10mm	0.265	0.102	0.516	0.072	0.367	0.853
		Front Side 10mm	0.062	0.088	0.174	0.077	0.150	0.313
N7	Ant.4	Back Side 10mm	0.320	0.167	0.533	0.116	0.487	0.969

		Right Edge 10mm	0.255	0.009	0.038	0.012	0.264	0.305
		Top Edge 10mm	0.030	0.102	0.516	0.072	0.132	0.618
N38	Ant.0	Front Side 10mm	0.300	0.088	0.174	0.077	0.388	0.551
		Back Side 10mm	0.499	0.167	0.533	0.116	0.666	1.148
		Left Edge10mm	0.291	0.091	0.474	0.063	0.382	0.828
		Right Edge 10mm	0.026	0.009	0.038	0.012	0.035	0.076
		Bottom Edge 10mm	0.266	0.003	0.009	0.006	0.269	0.281
N38	Ant.1	Front Side 10mm	0.380	0.088	0.174	0.077	0.468	0.631
		Back Side 10mm	0.639	0.167	0.533	0.116	0.806	1.288
		Right Edge 10mm	0.589	0.009	0.038	0.012	0.598	0.639
		Top Edge 10mm	0.326	0.102	0.516	0.072	0.428	0.914
N38	Ant.4	Front Side 10mm	0.052	0.088	0.174	0.077	0.140	0.303
		Back Side 10mm	0.314	0.167	0.533	0.116	0.481	0.963
		Right Edge 10mm	0.262	0.009	0.038	0.012	0.271	0.312
		Top Edge 10mm	0.018	0.102	0.516	0.072	0.120	0.606
N41	Ant.0	Front Side 10mm	0.293	0.088	0.174	0.077	0.381	0.544
		Back Side 10mm	0.465	0.167	0.533	0.116	0.632	1.114
		Left Edge10mm	0.257	0.091	0.474	0.063	0.348	0.794
		Right Edge 10mm	0.025	0.009	0.038	0.012	0.034	0.075
		Bottom Edge 10mm	0.265	0.003	0.009	0.006	0.268	0.280
N41	Ant.1	Front Side 10mm	0.283	0.088	0.174	0.077	0.371	0.534
		Back Side 10mm	0.446	0.167	0.533	0.116	0.613	1.095
		Right Edge 10mm	0.375	0.009	0.038	0.012	0.384	0.425
		Top Edge 10mm	0.228	0.102	0.516	0.072	0.330	0.816
N41	Ant.4	Front Side 10mm	0.034	0.088	0.174	0.077	0.122	0.285
		Back Side 10mm	0.314	0.167	0.533	0.116	0.481	0.963
		Right Edge 10mm	0.272	0.009	0.038	0.012	0.281	0.322
		Top Edge 10mm	0.016	0.102	0.516	0.072	0.118	0.604
N66	Ant.0	Front Side 10mm	0.122	0.088	0.174	0.077	0.210	0.373
		Back Side 10mm	0.222	0.167	0.533	0.116	0.389	0.871
		Left Edge10mm	0.078	0.091	0.474	0.063	0.169	0.615
		Right Edge 10mm	0.013	0.009	0.038	0.012	0.022	0.063
		Bottom Edge 10mm	0.317	0.003	0.009	0.006	0.320	0.332
N66	Ant.1	Front Side 10mm	0.393	0.088	0.174	0.077	0.481	0.644
		Back Side 10mm	0.533	0.167	0.533	0.116	0.700	1.182
		Right Edge 10mm	0.094	0.009	0.038	0.012	0.103	0.144
		Top Edge 10mm	0.737	0.102	0.516	0.072	0.839	1.325
N66	Ant.4	Front Side 10mm	0.035	0.088	0.174	0.077	0.123	0.286

	Back Side 10mm	0.191	0.167	0.533	0.116	0.358	0.840
	Right Edge 10mm	0.168	0.009	0.038	0.012	0.177	0.218
	Top Edge 10mm	0.022	0.102	0.516	0.072	0.124	0.610

Note:

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

2: The highest Summed 1g SAR is 1.325 W/Kg < 1.6 W/kg, so Simultaneous Transmission SAR test is not required.

13.2.4 Body Simultaneous Transmission SAR Evaluation for WWAN Antenna with WLAN and Bluetooth

Band	Antenna	Position	Stand alone SAR		SUM SAR
			1	3	WWAN+WIFI5G 1+3
			WWAN	MAX. 5GWIFI	
			STATE3	Level4	
WCDMA B4	Ant.1	Top Edge 0mm	1.368	0.758	2.126
N7	Ant.1	Back Side 0mm	1.931	0.526	2.457
N38	Ant.1	Back Side 0mm	1.445	0.526	1.971
		Right Edge 0mm	1.405	0.035	1.440
N41	Ant.1	Back Side 0mm	1.574	0.526	2.100
N66	Ant.0	Bottom Edge 0mm	1.726	0.013	1.739
N66	Ant.1	Back Side 0mm	1.522	0.526	2.048
		Top Edge 0mm	2.125	0.758	2.883

Note:

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

2: The highest Summed 1g SAR is 2.883 W/Kg < 4.0 W/kg, so Simultaneous Transmission SAR test is not required.

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

NR Band	NR Antenna	LTE Band	LTE Antenna	Position	Stand alone SAR		SUM SAR
					1	2	ENDC(1+2)
					NR(NSA)	LTE(ENDC)	
					STATE4	Level4&5	
N5	Ant.1	LTE B66	Ant.0	Left Cheek	0.476	0.113	0.589
				Left Tilt	0.415	0.071	0.486
				Right Cheek	0.732	0.065	0.797
				Right Tilt	0.686	0.074	0.760
N5	Ant.1	LTE B66	Ant.4	Left Cheek	0.476	0.061	0.537
				Left Tilt	0.415	0.059	0.474
				Right Cheek	0.732	0.122	0.854
				Right Tilt	0.686	0.047	0.733
N5	Ant.0	LTE B66	Ant.1	Left Cheek	0.075	0.286	0.361
				Left Tilt	0.046	0.374	0.420
				Right Cheek	0.061	0.478	0.539
				Right Tilt	0.034	0.569	0.603
N5	Ant.0	LTE B66	Ant.4	Left Cheek	0.075	0.061	0.136
				Left Tilt	0.046	0.059	0.105
				Right Cheek	0.061	0.122	0.183
				Right Tilt	0.034	0.047	0.081
N7	Ant.1	LTE B2	Ant.0	Left Cheek	0.299	0.096	0.395
				Left Tilt	0.184	0.058	0.242
				Right Cheek	0.798	0.075	0.873
				Right Tilt	0.681	0.060	0.741
N7	Ant.1	LTE B4	Ant.0	Left Cheek	0.299	0.093	0.392
				Left Tilt	0.184	0.078	0.262
				Right Cheek	0.798	0.070	0.868
				Right Tilt	0.681	0.079	0.760
N7	Ant.1	LTE B5	Ant.0	Left Cheek	0.299	0.162	0.461
				Left Tilt	0.184	0.077	0.261
				Right Cheek	0.798	0.133	0.931
				Right Tilt	0.681	0.027	0.708
N7	Ant.1	LTE B66	Ant.0	Left Cheek	0.299	0.113	0.412
				Left Tilt	0.184	0.071	0.255
				Right Cheek	0.798	0.065	0.863

				Right Tilt	0.681	0.074	0.755
N7	Ant.4	LTE B2	Ant.0	Left Cheek	0.160	0.096	0.256
				Left Tilt	0.031	0.058	0.089
				Right Cheek	0.287	0.075	0.362
				Right Tilt	0.067	0.060	0.127
N7	Ant.4	LTE B4	Ant.0	Left Cheek	0.160	0.093	0.253
				Left Tilt	0.031	0.078	0.109
				Right Cheek	0.287	0.070	0.357
				Right Tilt	0.067	0.079	0.146
N7	Ant.4	LTE B5	Ant.0	Left Cheek	0.160	0.162	0.322
				Left Tilt	0.031	0.077	0.108
				Right Cheek	0.287	0.133	0.420
				Right Tilt	0.067	0.027	0.094
N7	Ant.4	LTE B66	Ant.0	Left Cheek	0.160	0.113	0.273
				Left Tilt	0.031	0.071	0.102
				Right Cheek	0.287	0.065	0.352
				Right Tilt	0.067	0.074	0.141
N7	Ant.0	LTE B2	Ant.1	Left Cheek	0.151	0.258	0.409
				Left Tilt	0.022	0.331	0.353
				Right Cheek	0.274	0.365	0.639
				Right Tilt	0.065	0.427	0.492
N7	Ant.0	LTE B4	Ant.1	Left Cheek	0.151	0.261	0.412
				Left Tilt	0.022	0.314	0.336
				Right Cheek	0.274	0.407	0.681
				Right Tilt	0.065	0.486	0.551
N7	Ant.0	LTE B5	Ant.1	Left Cheek	0.151	0.260	0.411
				Left Tilt	0.022	0.253	0.275
				Right Cheek	0.274	0.360	0.634
				Right Tilt	0.065	0.363	0.428
N7	Ant.0	LTE B66	Ant.1	Left Cheek	0.151	0.273	0.424
				Left Tilt	0.022	0.374	0.396
				Right Cheek	0.274	0.478	0.752
				Right Tilt	0.065	0.569	0.634
N7	Ant.4	LTE B2	Ant.1	Left Cheek	0.160	0.258	0.418
				Left Tilt	0.031	0.331	0.362
				Right Cheek	0.287	0.365	0.652
				Right Tilt	0.067	0.427	0.494
N7	Ant.4	LTE B4	Ant.1	Left Cheek	0.160	0.261	0.421

				Left Tilt	0.031	0.314	0.345
				Right Cheek	0.287	0.407	0.694
				Right Tilt	0.067	0.486	0.553
N7	Ant.4	LTE B5	Ant.1	Left Cheek	0.160	0.260	0.420
				Left Tilt	0.031	0.253	0.284
				Right Cheek	0.287	0.360	0.647
				Right Tilt	0.067	0.363	0.430
N7	Ant.4	LTE B66	Ant.1	Left Cheek	0.160	0.286	0.446
				Left Tilt	0.031	0.374	0.405
				Right Cheek	0.287	0.478	0.765
				Right Tilt	0.067	0.569	0.636
N66	Ant.1	LTE B2	Ant.0	Left Cheek	0.411	0.096	0.507
				Left Tilt	0.506	0.058	0.564
				Right Cheek	0.690	0.075	0.765
				Right Tilt	0.785	0.060	0.845
N66	Ant.1	LTE B5	Ant.0	Left Cheek	0.411	0.162	0.573
				Left Tilt	0.506	0.077	0.583
				Right Cheek	0.690	0.133	0.823
				Right Tilt	0.785	0.027	0.812
N66	Ant.1	LTE B7	Ant.0	Left Cheek	0.411	0.149	0.560
				Left Tilt	0.506	0.329	0.835
				Right Cheek	0.690	0.121	0.811
				Right Tilt	0.785	0.257	1.042
N66	Ant.4	LTE B2	Ant.0	Left Cheek	0.109	0.096	0.205
				Left Tilt	0.094	0.058	0.152
				Right Cheek	0.244	0.075	0.319
				Right Tilt	0.074	0.060	0.134
N66	Ant.4	LTE B5	Ant.0	Left Cheek	0.109	0.162	0.271
				Left Tilt	0.094	0.077	0.171
				Right Cheek	0.244	0.133	0.377
				Right Tilt	0.074	0.027	0.101
N66	Ant.4	LTE B7	Ant.0	Left Cheek	0.109	0.149	0.258
				Left Tilt	0.094	0.329	0.423
				Right Cheek	0.244	0.121	0.365
				Right Tilt	0.074	0.257	0.331
N66	Ant.0	LTE B2	Ant.1	Left Cheek	0.116	0.258	0.374
				Left Tilt	0.088	0.331	0.419
				Right Cheek	0.135	0.365	0.500

				Right Tilt	0.081	0.427	0.508
N66	Ant.0	LTE B5	Ant.1	Left Cheek	0.116	0.260	0.376
				Left Tilt	0.088	0.253	0.341
				Right Cheek	0.135	0.360	0.495
				Right Tilt	0.081	0.363	0.444
N66	Ant.0	LTE B7	Ant.1	Left Cheek	0.116	0.195	0.311
				Left Tilt	0.088	0.174	0.262
				Right Cheek	0.135	0.516	0.651
				Right Tilt	0.081	0.496	0.577
N66	Ant.4	LTE B2	Ant.1	Left Cheek	0.109	0.258	0.367
				Left Tilt	0.094	0.331	0.425
				Right Cheek	0.244	0.365	0.609
				Right Tilt	0.074	0.427	0.501
N66	Ant.4	LTE B5	Ant.1	Left Cheek	0.109	0.260	0.369
				Left Tilt	0.094	0.253	0.347
				Right Cheek	0.244	0.360	0.604
				Right Tilt	0.074	0.363	0.437
N66	Ant.4	LTE B7	Ant.1	Left Cheek	0.109	0.195	0.304
				Left Tilt	0.094	0.174	0.268
				Right Cheek	0.244	0.516	0.760
				Right Tilt	0.074	0.496	0.570
N38	Ant.1	LTE B2	Ant.0	Left Cheek	0.212	0.096	0.308
				Left Tilt	0.198	0.058	0.256
				Right Cheek	0.614	0.075	0.689
				Right Tilt	0.568	0.060	0.628
N38	Ant.1	LTE B4	Ant.0	Left Cheek	0.212	0.093	0.305
				Left Tilt	0.198	0.078	0.276
				Right Cheek	0.614	0.070	0.684
				Right Tilt	0.568	0.079	0.647
N38	Ant.1	LTE B5	Ant.0	Left Cheek	0.212	0.162	0.374
				Left Tilt	0.198	0.077	0.275
				Right Cheek	0.614	0.133	0.747
				Right Tilt	0.568	0.027	0.595
N38	Ant.1	LTE B66	Ant.0	Left Cheek	0.212	0.113	0.325
				Left Tilt	0.198	0.071	0.269
				Right Cheek	0.614	0.065	0.679
				Right Tilt	0.568	0.074	0.642
N38	Ant.4	LTE B2	Ant.0	Left Cheek	0.192	0.096	0.288

				Left Tilt	0.039	0.058	0.097
				Right Cheek	0.406	0.075	0.481
				Right Tilt	0.100	0.060	0.160
N38	Ant.4	LTE B4	Ant.0	Left Cheek	0.192	0.093	0.285
				Left Tilt	0.039	0.078	0.117
				Right Cheek	0.406	0.070	0.476
				Right Tilt	0.100	0.079	0.179
N38	Ant.4	LTE B5	Ant.0	Left Cheek	0.192	0.162	0.354
				Left Tilt	0.039	0.077	0.116
				Right Cheek	0.406	0.133	0.539
				Right Tilt	0.100	0.027	0.127
N38	Ant.4	LTE B66	Ant.0	Left Cheek	0.192	0.113	0.305
				Left Tilt	0.039	0.071	0.110
				Right Cheek	0.406	0.065	0.471
				Right Tilt	0.100	0.074	0.174
N38	Ant.0	LTE B2	Ant.1	Left Cheek	0.229	0.258	0.487
				Left Tilt	0.020	0.331	0.351
				Right Cheek	0.450	0.365	0.815
				Right Tilt	0.165	0.427	0.592
N38	Ant.0	LTE B4	Ant.1	Left Cheek	0.229	0.261	0.490
				Left Tilt	0.020	0.314	0.334
				Right Cheek	0.450	0.407	0.857
				Right Tilt	0.165	0.486	0.651
N38	Ant.0	LTE B5	Ant.1	Left Cheek	0.229	0.260	0.489
				Left Tilt	0.020	0.253	0.273
				Right Cheek	0.450	0.360	0.810
				Right Tilt	0.165	0.363	0.528
N38	Ant.0	LTE B66	Ant.1	Left Cheek	0.229	0.286	0.515
				Left Tilt	0.020	0.374	0.394
				Right Cheek	0.450	0.478	0.928
				Right Tilt	0.165	0.569	0.734
N38	Ant.4	LTE B2	Ant.1	Left Cheek	0.192	0.258	0.450
				Left Tilt	0.039	0.331	0.370
				Right Cheek	0.406	0.365	0.771
				Right Tilt	0.100	0.427	0.527
N38	Ant.4	LTE B4	Ant.1	Left Cheek	0.192	0.261	0.453
				Left Tilt	0.039	0.314	0.353
				Right Cheek	0.406	0.407	0.813

				Right Tilt	0.100	0.486	0.586
N38	Ant.4	LTE B5	Ant.1	Left Cheek	0.192	0.260	0.452
				Left Tilt	0.039	0.253	0.292
				Right Cheek	0.406	0.360	0.766
				Right Tilt	0.100	0.363	0.463
N38	Ant.4	LTE B66	Ant.1	Left Cheek	0.192	0.286	0.478
				Left Tilt	0.039	0.374	0.413
				Right Cheek	0.406	0.478	0.884
				Right Tilt	0.100	0.569	0.669
N41	Ant.1	LTE B2	Ant.0	Left Cheek	0.264	0.096	0.360
				Left Tilt	0.264	0.058	0.322
				Right Cheek	0.791	0.075	0.866
				Right Tilt	0.717	0.060	0.777
N41	Ant.1	LTE B26	Ant.0	Left Cheek	0.264	0.181	0.445
				Left Tilt	0.264	0.088	0.352
				Right Cheek	0.791	0.120	0.911
				Right Tilt	0.717	0.016	0.733
N41	Ant.1	LTE B41	Ant.0	Left Cheek	0.264	0.162	0.426
				Left Tilt	0.264	0.108	0.372
				Right Cheek	0.791	0.289	1.080
				Right Tilt	0.717	0.129	0.846
N41	Ant.1	LTE B66	Ant.0	Left Cheek	0.264	0.113	0.377
				Left Tilt	0.264	0.071	0.335
				Right Cheek	0.791	0.065	0.856
				Right Tilt	0.717	0.074	0.791
N41	Ant.4	LTE B2	Ant.0	Left Cheek	0.125	0.096	0.221
				Left Tilt	0.031	0.058	0.089
				Right Cheek	0.331	0.075	0.406
				Right Tilt	0.075	0.060	0.135
N41	Ant.4	LTE B26	Ant.0	Left Cheek	0.125	0.181	0.306
				Left Tilt	0.031	0.088	0.119
				Right Cheek	0.331	0.120	0.451
				Right Tilt	0.075	0.016	0.091
N41	Ant.4	LTE B41	Ant.0	Left Cheek	0.125	0.162	0.287
				Left Tilt	0.031	0.108	0.139
				Right Cheek	0.331	0.289	0.620
				Right Tilt	0.075	0.129	0.204
N41	Ant.4	LTE B66	Ant.0	Left Cheek	0.125	0.113	0.238

				Left Tilt	0.031	0.071	0.102
				Right Cheek	0.331	0.065	0.396
				Right Tilt	0.075	0.074	0.149
N41	Ant.0	LTE B2	Ant.1	Left Cheek	0.244	0.258	0.502
				Left Tilt	0.181	0.331	0.512
				Right Cheek	0.379	0.365	0.744
N41	Ant.0	LTE B26	Ant.1	Right Tilt	0.126	0.427	0.553
				Left Cheek	0.244	0.211	0.455
				Left Tilt	0.181	0.227	0.408
N41	Ant.0	LTE B41	Ant.1	Right Cheek	0.379	0.330	0.709
				Right Tilt	0.126	0.310	0.436
				Left Cheek	0.244	0.198	0.442
N41	Ant.0	LTE B66	Ant.1	Left Tilt	0.181	0.178	0.359
				Right Cheek	0.379	0.653	1.032
				Right Tilt	0.126	0.560	0.686
N41	Ant.0	LTE B66	Ant.1	Left Cheek	0.244	0.286	0.530
				Left Tilt	0.181	0.374	0.555
				Right Cheek	0.379	0.478	0.857
N41	Ant.4	LTE B2	Ant.1	Right Tilt	0.126	0.569	0.695
				Left Cheek	0.125	0.258	0.383
				Left Tilt	0.031	0.331	0.362
N41	Ant.4	LTE B26	Ant.1	Right Cheek	0.331	0.365	0.696
				Right Tilt	0.075	0.427	0.502
				Left Cheek	0.125	0.211	0.336
N41	Ant.4	LTE B26	Ant.1	Left Tilt	0.031	0.227	0.258
				Right Cheek	0.331	0.330	0.661
				Right Tilt	0.075	0.310	0.385
N41	Ant.4	LTE B41	Ant.1	Left Cheek	0.125	0.198	0.323
				Left Tilt	0.031	0.178	0.209
				Right Cheek	0.331	0.653	0.984
N41	Ant.4	LTE B66	Ant.1	Right Tilt	0.075	0.560	0.635
				Left Cheek	0.125	0.286	0.411
				Left Tilt	0.031	0.374	0.405
N41	Ant.4	LTE B66	Ant.1	Right Cheek	0.331	0.478	0.809
				Right Tilt	0.075	0.569	0.644

Note:

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

2: The highest Summed 1g SAR is 1.08 W/Kg < 1.6 W/kg, so Simultaneous Transmission SAR test is not required.

13.2.6 Body Simultaneous Transmission SAR Evaluation for WWAN Antenna with WLAN and Bluetooth

NR Band	NR Antenna	LTE Band	LTE Antenna	Position	Stand alone SAR		SUM SAR
					1	2	
					NR(NSA)	LTE(ENDC)	ENDC(1+2)
N5	Ant.1	LTE B66	Ant.0	Front Side 15mm	0.171	0.059	0.230
				Back Side 15mm	0.214	0.087	0.301
N5	Ant.1	LTE B66	Ant.4	Front Side 15mm	0.171	0.015	0.186
				Back Side 15mm	0.214	0.028	0.242
N5	Ant.0	LTE B66	Ant.1	Front Side 15mm	0.061	0.098	0.159
				Back Side 15mm	0.130	0.110	0.240
N5	Ant.0	LTE B66	Ant.4	Front Side 15mm	0.061	0.015	0.076
				Back Side 15mm	0.130	0.028	0.158
N7	Ant.1	LTE B2	Ant.0	Front Side 15mm	0.114	0.078	0.192
				Back Side 15mm	0.146	0.072	0.218
N7	Ant.1	LTE B4	Ant.0	Front Side 15mm	0.114	0.046	0.160
				Back Side 15mm	0.146	0.073	0.219
N7	Ant.1	LTE B5	Ant.0	Front Side 15mm	0.114	0.087	0.201
				Back Side 15mm	0.146	0.090	0.236
N7	Ant.1	LTE B66	Ant.0	Front Side 15mm	0.114	0.059	0.173
				Back Side 15mm	0.146	0.087	0.233
N7	Ant.4	LTE B2	Ant.0	Front Side 15mm	0.012	0.078	0.090
				Back Side 15mm	0.049	0.072	0.121
N7	Ant.4	LTE B4	Ant.0	Front Side 15mm	0.012	0.046	0.058
				Back Side 15mm	0.049	0.073	0.122
N7	Ant.4	LTE B5	Ant.0	Front Side 15mm	0.012	0.087	0.099
				Back Side 15mm	0.049	0.090	0.139
N7	Ant.4	LTE B66	Ant.0	Front Side 15mm	0.012	0.059	0.071
				Back Side 15mm	0.049	0.087	0.136
N7	Ant.0	LTE B2	Ant.1	Front Side 15mm	0.076	0.042	0.118
				Back Side 15mm	0.142	0.083	0.225
N7	Ant.0	LTE B4	Ant.1	Front Side 15mm	0.076	0.055	0.131
				Back Side 15mm	0.142	0.074	0.216
N7	Ant.0	LTE B5	Ant.1	Front Side 15mm	0.076	0.205	0.281
				Back Side 15mm	0.142	0.189	0.331
N7	Ant.0	LTE B66	Ant.1	Front Side 15mm	0.076	0.098	0.174
				Back Side 15mm	0.142	0.110	0.252

N7	Ant.4	LTE B2	Ant.1	Front Side 15mm	0.012	0.042	0.054
				Back Side 15mm	0.049	0.083	0.132
N7	Ant.4	LTE B4	Ant.1	Front Side 15mm	0.012	0.055	0.067
				Back Side 15mm	0.049	0.074	0.123
N7	Ant.4	LTE B5	Ant.1	Front Side 15mm	0.012	0.205	0.217
				Back Side 15mm	0.049	0.189	0.238
N7	Ant.4	LTE B66	Ant.1	Front Side 15mm	0.012	0.098	0.110
				Back Side 15mm	0.049	0.110	0.159
N66	Ant.1	LTE B2	Ant.0	Front Side 15mm	0.071	0.078	0.149
				Back Side 15mm	0.095	0.072	0.167
N66	Ant.1	LTE B5	Ant.0	Front Side 15mm	0.071	0.087	0.158
				Back Side 15mm	0.095	0.090	0.185
N66	Ant.1	LTE B7	Ant.0	Front Side 15mm	0.071	0.078	0.149
				Back Side 15mm	0.095	0.110	0.205
N66	Ant.4	LTE B2	Ant.0	Front Side 15mm	0.013	0.078	0.091
				Back Side 15mm	0.029	0.072	0.101
N66	Ant.4	LTE B5	Ant.0	Front Side 15mm	0.013	0.087	0.100
				Back Side 15mm	0.029	0.090	0.119
N66	Ant.4	LTE B7	Ant.0	Front Side 15mm	0.013	0.078	0.091
				Back Side 15mm	0.029	0.110	0.139
N66	Ant.0	LTE B2	Ant.1	Front Side 15mm	0.054	0.042	0.096
				Back Side 15mm	0.084	0.083	0.167
N66	Ant.0	LTE B5	Ant.1	Front Side 15mm	0.054	0.205	0.259
				Back Side 15mm	0.084	0.189	0.273
N66	Ant.0	LTE B7	Ant.1	Front Side 15mm	0.054	0.057	0.111
				Back Side 15mm	0.084	0.088	0.172
N66	Ant.4	LTE B2	Ant.1	Front Side 15mm	0.013	0.042	0.055
				Back Side 15mm	0.029	0.083	0.112
N66	Ant.4	LTE B5	Ant.1	Front Side 15mm	0.013	0.205	0.218
				Back Side 15mm	0.029	0.189	0.218
N66	Ant.4	LTE B7	Ant.1	Front Side 15mm	0.013	0.057	0.070
				Back Side 15mm	0.029	0.088	0.117
N38	Ant.1	LTE B2	Ant.0	Front Side 15mm	0.071	0.078	0.149
				Back Side 15mm	0.095	0.072	0.167
N38	Ant.1	LTE B4	Ant.0	Front Side 15mm	0.070	0.046	0.116
				Back Side 15mm	0.116	0.073	0.189
N38	Ant.1	LTE B5	Ant.0	Front Side 15mm	0.070	0.087	0.157
				Back Side 15mm	0.116	0.090	0.206

N38	Ant.1	LTE B66	Ant.0	Front Side 15mm	0.070	0.059	0.129
				Back Side 15mm	0.116	0.087	0.203
N38	Ant.4	LTE B2	Ant.0	Front Side 15mm	0.024	0.078	0.102
				Back Side 15mm	0.062	0.072	0.134
N38	Ant.4	LTE B4	Ant.0	Front Side 15mm	0.024	0.046	0.070
				Back Side 15mm	0.062	0.073	0.135
N38	Ant.4	LTE B5	Ant.0	Front Side 15mm	0.024	0.087	0.111
				Back Side 15mm	0.062	0.090	0.152
N38	Ant.4	LTE B66	Ant.0	Front Side 15mm	0.024	0.059	0.083
				Back Side 15mm	0.062	0.087	0.149
N38	Ant.0	LTE B2	Ant.1	Front Side 15mm	0.082	0.042	0.124
				Back Side 15mm	0.133	0.083	0.216
N38	Ant.0	LTE B4	Ant.1	Front Side 15mm	0.082	0.055	0.137
				Back Side 15mm	0.133	0.074	0.207
N38	Ant.0	LTE B5	Ant.1	Front Side 15mm	0.082	0.205	0.287
				Back Side 15mm	0.133	0.189	0.322
N38	Ant.0	LTE B66	Ant.1	Front Side 15mm	0.082	0.098	0.180
				Back Side 15mm	0.133	0.110	0.243
N38	Ant.4	LTE B2	Ant.1	Front Side 15mm	0.024	0.042	0.066
				Back Side 15mm	0.062	0.083	0.145
N38	Ant.4	LTE B4	Ant.1	Front Side 15mm	0.024	0.055	0.079
				Back Side 15mm	0.062	0.074	0.136
N38	Ant.4	LTE B5	Ant.1	Front Side 15mm	0.024	0.205	0.229
				Back Side 15mm	0.062	0.189	0.251
N38	Ant.4	LTE B66	Ant.1	Front Side 15mm	0.024	0.098	0.122
				Back Side 15mm	0.062	0.110	0.172
N41	Ant.1	LTE B2	Ant.0	Front Side 15mm	0.063	0.078	0.141
				Back Side 15mm	0.092	0.072	0.164
N41	Ant.1	LTE B26	Ant.0	Front Side 15mm	0.063	0.054	0.117
				Back Side 15mm	0.092	0.083	0.175
N41	Ant.1	LTE B41	Ant.0	Front Side 15mm	0.063	0.092	0.155
				Back Side 15mm	0.092	0.128	0.220
N41	Ant.1	LTE B66	Ant.0	Front Side 15mm	0.063	0.059	0.122
				Back Side 15mm	0.092	0.087	0.179
N41	Ant.4	LTE B2	Ant.0	Front Side 15mm	0.009	0.078	0.087
				Back Side 15mm	0.044	0.072	0.116
N41	Ant.4	LTE B26	Ant.0	Front Side 15mm	0.009	0.054	0.063
				Back Side 15mm	0.044	0.083	0.127

N41	Ant.4	LTE B41	Ant.0	Front Side 15mm	0.009	0.092	0.101
				Back Side 15mm	0.044	0.128	0.172
N41	Ant.4	LTE B66	Ant.0	Front Side 15mm	0.009	0.059	0.068
				Back Side 15mm	0.044	0.087	0.131
N41	Ant.0	LTE B2	Ant.1	Front Side 15mm	0.072	0.042	0.114
				Back Side 15mm	0.120	0.083	0.203
N41	Ant.0	LTE B26	Ant.1	Front Side 15mm	0.072	0.219	0.291
				Back Side 15mm	0.120	0.251	0.371
N41	Ant.0	LTE B41	Ant.1	Front Side 15mm	0.072	0.066	0.138
				Back Side 15mm	0.120	0.109	0.229
N41	Ant.0	LTE B66	Ant.1	Front Side 15mm	0.072	0.098	0.170
				Back Side 15mm	0.120	0.110	0.230
N41	Ant.4	LTE B2	Ant.1	Front Side 15mm	0.009	0.042	0.051
				Back Side 15mm	0.044	0.083	0.127
N41	Ant.4	LTE B26	Ant.1	Front Side 15mm	0.009	0.219	0.228
				Back Side 15mm	0.044	0.251	0.295
N41	Ant.4	LTE B41	Ant.1	Front Side 15mm	0.009	0.066	0.075
				Back Side 15mm	0.044	0.109	0.153
N41	Ant.4	LTE B66	Ant.1	Front Side 15mm	0.009	0.098	0.107
				Back Side 15mm	0.044	0.110	0.154

Note:

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

2: The highest Summed 1g SAR is 0.371 W/Kg < 1.6 W/kg, so Simultaneous Transmission SAR test is not required.

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

NR Band	NR Antenna	LTE Band	LTE Antenna	Position	Stand alone SAR						SUM SAR	
					1	2	3	4	5	6	WWAN+WIFI2.4G 3+4	WWAN+WIFI5G+BT 3+5+6
					NR(NSA)	LTE(ENDC)	ENDC(1+2)	MAX. 2.4GWIFI	MAX. 5GWIFI	BT		
N5	Ant.1	LTE B66	Ant.0	Left Cheek	0.476	0.113	0.589	0.229	0.310	0.406	0.818	1.305
				Left Tilt	0.415	0.071	0.486	0.175	0.344	0.278	0.661	1.108
				Right Cheek	0.732	0.065	0.797	0.078	0.173	0.165	0.875	1.135
				Right Tilt	0.686	0.074	0.760	0.113	0.187	0.166	0.873	1.113
N5	Ant.1	LTE B66	Ant.4	Left Cheek	0.476	0.061	0.537	0.229	0.310	0.406	0.766	1.253
				Left Tilt	0.415	0.059	0.474	0.175	0.344	0.278	0.649	1.096
				Right Cheek	0.732	0.122	0.854	0.078	0.173	0.165	0.932	1.192
				Right Tilt	0.686	0.047	0.733	0.113	0.187	0.166	0.846	1.086
N5	Ant.0	LTE B66	Ant.1	Left Cheek	0.075	0.286	0.361	0.229	0.310	0.406	0.590	1.077
				Left Tilt	0.046	0.374	0.420	0.175	0.344	0.278	0.595	1.042
				Right Cheek	0.061	0.478	0.539	0.078	0.173	0.165	0.617	0.877
				Right Tilt	0.034	0.569	0.603	0.113	0.187	0.166	0.716	0.956
N5	Ant.0	LTE B66	Ant.4	Left Cheek	0.075	0.061	0.136	0.229	0.310	0.406	0.365	0.852
				Left Tilt	0.046	0.059	0.105	0.175	0.344	0.278	0.280	0.727
				Right Cheek	0.061	0.122	0.183	0.078	0.173	0.165	0.261	0.521
				Right Tilt	0.034	0.047	0.081	0.113	0.187	0.166	0.194	0.434
N7	Ant.1	LTE B2	Ant.0	Left Cheek	0.299	0.096	0.395	0.229	0.310	0.406	0.624	1.111
				Left Tilt	0.184	0.058	0.242	0.175	0.344	0.278	0.417	0.864
				Right Cheek	0.798	0.075	0.873	0.078	0.173	0.165	0.951	1.211
				Right Tilt	0.681	0.060	0.741	0.113	0.187	0.166	0.854	1.094
N7	Ant.1	LTE B4	Ant.0	Left Cheek	0.299	0.093	0.392	0.229	0.310	0.406	0.621	1.108
				Left Tilt	0.184	0.078	0.262	0.175	0.344	0.278	0.437	0.884
				Right Cheek	0.798	0.070	0.868	0.078	0.173	0.165	0.946	1.206
				Right Tilt	0.681	0.079	0.760	0.113	0.187	0.166	0.873	1.113
N7	Ant.1	LTE B5	Ant.0	Left Cheek	0.299	0.162	0.461	0.229	0.310	0.406	0.690	1.177
				Left Tilt	0.184	0.077	0.261	0.175	0.344	0.278	0.436	0.883
				Right Cheek	0.798	0.133	0.931	0.078	0.173	0.165	1.009	1.269
				Right Tilt	0.681	0.027	0.708	0.113	0.187	0.166	0.821	1.061
N7	Ant.1	LTE B66	Ant.0	Left Cheek	0.299	0.113	0.412	0.229	0.310	0.406	0.641	1.128
				Left Tilt	0.184	0.071	0.255	0.175	0.344	0.278	0.430	0.877
				Right Cheek	0.798	0.065	0.863	0.078	0.173	0.165	0.941	1.201
				Right Tilt	0.681	0.074	0.755	0.113	0.187	0.166	0.868	1.108

N7	Ant.4	LTE B2	Ant.0	Left Cheek	0.160	0.096	0.256	0.229	0.310	0.406	0.485	0.972
				Left Tilt	0.031	0.058	0.089	0.175	0.344	0.278	0.264	0.711
				Right Cheek	0.287	0.075	0.362	0.078	0.173	0.165	0.440	0.700
				Right Tilt	0.067	0.060	0.127	0.113	0.187	0.166	0.240	0.480
N7	Ant.4	LTE B4	Ant.0	Left Cheek	0.160	0.093	0.253	0.229	0.310	0.406	0.482	0.969
				Left Tilt	0.031	0.078	0.109	0.175	0.344	0.278	0.284	0.731
				Right Cheek	0.287	0.070	0.357	0.078	0.173	0.165	0.435	0.695
				Right Tilt	0.067	0.079	0.146	0.113	0.187	0.166	0.259	0.499
N7	Ant.4	LTE B5	Ant.0	Left Cheek	0.160	0.162	0.322	0.229	0.310	0.406	0.551	1.038
				Left Tilt	0.031	0.077	0.108	0.175	0.344	0.278	0.283	0.730
				Right Cheek	0.287	0.133	0.420	0.078	0.173	0.165	0.498	0.758
				Right Tilt	0.067	0.027	0.094	0.113	0.187	0.166	0.207	0.447
N7	Ant.4	LTE B66	Ant.0	Left Cheek	0.160	0.113	0.273	0.229	0.310	0.406	0.502	0.989
				Left Tilt	0.031	0.071	0.102	0.175	0.344	0.278	0.277	0.724
				Right Cheek	0.287	0.065	0.352	0.078	0.173	0.165	0.430	0.690
				Right Tilt	0.067	0.074	0.141	0.113	0.187	0.166	0.254	0.494
N7	Ant.0	LTE B2	Ant.1	Left Cheek	0.151	0.258	0.409	0.229	0.310	0.406	0.638	1.125
				Left Tilt	0.022	0.331	0.353	0.175	0.344	0.278	0.528	0.975
				Right Cheek	0.274	0.365	0.639	0.078	0.173	0.165	0.717	0.977
				Right Tilt	0.065	0.427	0.492	0.113	0.187	0.166	0.605	0.845
N7	Ant.0	LTE B4	Ant.1	Left Cheek	0.151	0.261	0.412	0.229	0.310	0.406	0.641	1.128
				Left Tilt	0.022	0.314	0.336	0.175	0.344	0.278	0.511	0.958
				Right Cheek	0.274	0.407	0.681	0.078	0.173	0.165	0.759	1.019
				Right Tilt	0.065	0.486	0.551	0.113	0.187	0.166	0.664	0.904
N7	Ant.0	LTE B5	Ant.1	Left Cheek	0.151	0.260	0.411	0.229	0.310	0.406	0.640	1.127
				Left Tilt	0.022	0.253	0.275	0.175	0.344	0.278	0.450	0.897
				Right Cheek	0.274	0.360	0.634	0.078	0.173	0.165	0.712	0.972
				Right Tilt	0.065	0.363	0.428	0.113	0.187	0.166	0.541	0.781
N7	Ant.0	LTE B66	Ant.1	Left Cheek	0.151	0.273	0.424	0.229	0.310	0.406	0.653	1.140
				Left Tilt	0.022	0.374	0.396	0.175	0.344	0.278	0.571	1.018
				Right Cheek	0.274	0.478	0.752	0.078	0.173	0.165	0.830	1.090
				Right Tilt	0.065	0.569	0.634	0.113	0.187	0.166	0.747	0.987
N7	Ant.4	LTE B2	Ant.1	Left Cheek	0.160	0.258	0.418	0.229	0.310	0.406	0.647	1.134
				Left Tilt	0.031	0.331	0.362	0.175	0.344	0.278	0.537	0.984
				Right Cheek	0.287	0.365	0.652	0.078	0.173	0.165	0.730	0.990
				Right Tilt	0.067	0.427	0.494	0.113	0.187	0.166	0.607	0.847
N7	Ant.4	LTE B4	Ant.1	Left Cheek	0.160	0.261	0.421	0.229	0.310	0.406	0.650	1.137
				Left Tilt	0.031	0.314	0.345	0.175	0.344	0.278	0.520	0.967

				Right Cheek	0.287	0.407	0.694	0.078	0.173	0.165	0.772	1.032
				Right Tilt	0.067	0.486	0.553	0.113	0.187	0.166	0.666	0.906
N7	Ant.4	LTE B5	Ant.1	Left Cheek	0.160	0.260	0.420	0.229	0.310	0.406	0.649	1.136
				Left Tilt	0.031	0.253	0.284	0.175	0.344	0.278	0.459	0.906
				Right Cheek	0.287	0.360	0.647	0.078	0.173	0.165	0.725	0.985
				Right Tilt	0.067	0.363	0.430	0.113	0.187	0.166	0.543	0.783
N7	Ant.4	LTE B66	Ant.1	Left Cheek	0.160	0.286	0.446	0.229	0.310	0.406	0.675	1.162
				Left Tilt	0.031	0.374	0.405	0.175	0.344	0.278	0.580	1.027
				Right Cheek	0.287	0.478	0.765	0.078	0.173	0.165	0.843	1.103
				Right Tilt	0.067	0.569	0.636	0.113	0.187	0.166	0.749	0.989
N66	Ant.1	LTE B2	Ant.0	Left Cheek	0.411	0.096	0.507	0.229	0.310	0.406	0.736	1.223
				Left Tilt	0.506	0.058	0.564	0.175	0.344	0.278	0.739	1.186
				Right Cheek	0.690	0.075	0.765	0.078	0.173	0.165	0.843	1.103
				Right Tilt	0.785	0.060	0.845	0.113	0.187	0.166	0.958	1.198
N66	Ant.1	LTE B5	Ant.0	Left Cheek	0.411	0.162	0.573	0.229	0.310	0.406	0.802	1.289
				Left Tilt	0.506	0.077	0.583	0.175	0.344	0.278	0.758	1.205
				Right Cheek	0.690	0.133	0.823	0.078	0.173	0.165	0.901	1.161
				Right Tilt	0.785	0.027	0.812	0.113	0.187	0.166	0.925	1.165
N66	Ant.1	LTE B7	Ant.0	Left Cheek	0.411	0.149	0.560	0.229	0.310	0.406	0.789	1.276
				Left Tilt	0.506	0.329	0.835	0.175	0.344	0.278	1.010	1.457
				Right Cheek	0.690	0.121	0.811	0.078	0.173	0.165	0.889	1.149
				Right Tilt	0.785	0.257	1.042	0.113	0.187	0.166	1.155	1.395
N66	Ant.4	LTE B2	Ant.0	Left Cheek	0.109	0.096	0.205	0.229	0.310	0.406	0.434	0.921
				Left Tilt	0.094	0.058	0.152	0.175	0.344	0.278	0.327	0.774
				Right Cheek	0.244	0.075	0.319	0.078	0.173	0.165	0.397	0.657
				Right Tilt	0.074	0.060	0.134	0.113	0.187	0.166	0.247	0.487
N66	Ant.4	LTE B5	Ant.0	Left Cheek	0.109	0.162	0.271	0.229	0.310	0.406	0.500	0.987
				Left Tilt	0.094	0.077	0.171	0.175	0.344	0.278	0.346	0.793
				Right Cheek	0.244	0.133	0.377	0.078	0.173	0.165	0.455	0.715
				Right Tilt	0.074	0.027	0.101	0.113	0.187	0.166	0.214	0.454
N66	Ant.4	LTE B7	Ant.0	Left Cheek	0.109	0.149	0.258	0.229	0.310	0.406	0.487	0.974
				Left Tilt	0.094	0.329	0.423	0.175	0.344	0.278	0.598	1.045
				Right Cheek	0.244	0.121	0.365	0.078	0.173	0.165	0.443	0.703
				Right Tilt	0.074	0.257	0.331	0.113	0.187	0.166	0.444	0.684
N66	Ant.0	LTE B2	Ant.1	Left Cheek	0.116	0.258	0.374	0.229	0.310	0.406	0.603	1.090
				Left Tilt	0.088	0.331	0.419	0.175	0.344	0.278	0.594	1.041
				Right Cheek	0.135	0.365	0.500	0.078	0.173	0.165	0.578	0.838
				Right Tilt	0.081	0.427	0.508	0.113	0.187	0.166	0.621	0.861

N66	Ant.0	LTE B5	Ant.1	Left Cheek	0.116	0.260	0.376	0.229	0.310	0.406	0.605	1.092
				Left Tilt	0.088	0.253	0.341	0.175	0.344	0.278	0.516	0.963
				Right Cheek	0.135	0.360	0.495	0.078	0.173	0.165	0.573	0.833
				Right Tilt	0.081	0.363	0.444	0.113	0.187	0.166	0.557	0.797
N66	Ant.0	LTE B7	Ant.1	Left Cheek	0.116	0.195	0.311	0.229	0.310	0.406	0.540	1.027
				Left Tilt	0.088	0.174	0.262	0.175	0.344	0.278	0.437	0.884
				Right Cheek	0.135	0.516	0.651	0.078	0.173	0.165	0.729	0.989
				Right Tilt	0.081	0.496	0.577	0.113	0.187	0.166	0.690	0.930
N66	Ant.4	LTE B2	Ant.1	Left Cheek	0.109	0.258	0.367	0.229	0.310	0.406	0.596	1.083
				Left Tilt	0.094	0.331	0.425	0.175	0.344	0.278	0.600	1.047
				Right Cheek	0.244	0.365	0.609	0.078	0.173	0.165	0.687	0.947
				Right Tilt	0.074	0.427	0.501	0.113	0.187	0.166	0.614	0.854
N66	Ant.4	LTE B5	Ant.1	Left Cheek	0.109	0.260	0.369	0.229	0.310	0.406	0.598	1.085
				Left Tilt	0.094	0.253	0.347	0.175	0.344	0.278	0.522	0.969
				Right Cheek	0.244	0.360	0.604	0.078	0.173	0.165	0.682	0.942
				Right Tilt	0.074	0.363	0.437	0.113	0.187	0.166	0.550	0.790
N66	Ant.4	LTE B7	Ant.1	Left Cheek	0.109	0.195	0.304	0.229	0.310	0.406	0.533	1.020
				Left Tilt	0.094	0.174	0.268	0.175	0.344	0.278	0.443	0.890
				Right Cheek	0.244	0.516	0.760	0.078	0.173	0.165	0.838	1.098
				Right Tilt	0.074	0.496	0.570	0.113	0.187	0.166	0.683	0.923
N38	Ant.1	LTE B2	Ant.0	Left Cheek	0.212	0.096	0.308	0.229	0.310	0.406	0.537	1.024
				Left Tilt	0.198	0.058	0.256	0.175	0.344	0.278	0.431	0.878
				Right Cheek	0.614	0.075	0.689	0.078	0.173	0.165	0.767	1.027
				Right Tilt	0.568	0.060	0.628	0.113	0.187	0.166	0.741	0.981
N38	Ant.1	LTE B4	Ant.0	Left Cheek	0.212	0.093	0.305	0.229	0.310	0.406	0.534	1.021
				Left Tilt	0.198	0.078	0.276	0.175	0.344	0.278	0.451	0.898
				Right Cheek	0.614	0.070	0.684	0.078	0.173	0.165	0.762	1.022
				Right Tilt	0.568	0.079	0.647	0.113	0.187	0.166	0.760	1.000
N38	Ant.1	LTE B5	Ant.0	Left Cheek	0.212	0.162	0.374	0.229	0.310	0.406	0.603	1.090
				Left Tilt	0.198	0.077	0.275	0.175	0.344	0.278	0.450	0.897
				Right Cheek	0.614	0.133	0.747	0.078	0.173	0.165	0.825	1.085
				Right Tilt	0.568	0.027	0.595	0.113	0.187	0.166	0.708	0.948
N38	Ant.1	LTE B66	Ant.0	Left Cheek	0.212	0.113	0.325	0.229	0.310	0.406	0.554	1.041
				Left Tilt	0.198	0.071	0.269	0.175	0.344	0.278	0.444	0.891
				Right Cheek	0.614	0.065	0.679	0.078	0.173	0.165	0.757	1.017
				Right Tilt	0.568	0.074	0.642	0.113	0.187	0.166	0.755	0.995
N38	Ant.4	LTE B2	Ant.0	Left Cheek	0.192	0.096	0.288	0.229	0.310	0.406	0.517	1.004
				Left Tilt	0.039	0.058	0.097	0.175	0.344	0.278	0.272	0.719

				Right Cheek	0.406	0.075	0.481	0.078	0.173	0.165	0.559	0.819
				Right Tilt	0.100	0.060	0.160	0.113	0.187	0.166	0.273	0.513
N38	Ant.4	LTE B4	Ant.0	Left Cheek	0.192	0.093	0.285	0.229	0.310	0.406	0.514	1.001
				Left Tilt	0.039	0.078	0.117	0.175	0.344	0.278	0.292	0.739
				Right Cheek	0.406	0.070	0.476	0.078	0.173	0.165	0.554	0.814
				Right Tilt	0.100	0.079	0.179	0.113	0.187	0.166	0.292	0.532
N38	Ant.4	LTE B5	Ant.0	Left Cheek	0.192	0.162	0.354	0.229	0.310	0.406	0.583	1.070
				Left Tilt	0.039	0.077	0.116	0.175	0.344	0.278	0.291	0.738
				Right Cheek	0.406	0.133	0.539	0.078	0.173	0.165	0.617	0.877
				Right Tilt	0.100	0.027	0.127	0.113	0.187	0.166	0.240	0.480
N38	Ant.4	LTE B66	Ant.0	Left Cheek	0.192	0.113	0.305	0.229	0.310	0.406	0.534	1.021
				Left Tilt	0.039	0.071	0.110	0.175	0.344	0.278	0.285	0.732
				Right Cheek	0.406	0.065	0.471	0.078	0.173	0.165	0.549	0.809
				Right Tilt	0.100	0.074	0.174	0.113	0.187	0.166	0.287	0.527
N38	Ant.0	LTE B2	Ant.1	Left Cheek	0.229	0.258	0.487	0.229	0.310	0.406	0.716	1.203
				Left Tilt	0.020	0.331	0.351	0.175	0.344	0.278	0.526	0.973
				Right Cheek	0.450	0.365	0.815	0.078	0.173	0.165	0.893	1.153
				Right Tilt	0.165	0.427	0.592	0.113	0.187	0.166	0.705	0.945
N38	Ant.0	LTE B4	Ant.1	Left Cheek	0.229	0.261	0.490	0.229	0.310	0.406	0.719	1.206
				Left Tilt	0.020	0.314	0.334	0.175	0.344	0.278	0.509	0.956
				Right Cheek	0.450	0.407	0.857	0.078	0.173	0.165	0.935	1.195
				Right Tilt	0.165	0.486	0.651	0.113	0.187	0.166	0.764	1.004
N38	Ant.0	LTE B5	Ant.1	Left Cheek	0.229	0.260	0.489	0.229	0.310	0.406	0.718	1.205
				Left Tilt	0.020	0.253	0.273	0.175	0.344	0.278	0.448	0.895
				Right Cheek	0.450	0.360	0.810	0.078	0.173	0.165	0.888	1.148
				Right Tilt	0.165	0.363	0.528	0.113	0.187	0.166	0.641	0.881
N38	Ant.0	LTE B66	Ant.1	Left Cheek	0.229	0.286	0.515	0.229	0.310	0.406	0.744	1.231
				Left Tilt	0.020	0.374	0.394	0.175	0.344	0.278	0.569	1.016
				Right Cheek	0.450	0.478	0.928	0.078	0.173	0.165	1.006	1.266
				Right Tilt	0.165	0.569	0.734	0.113	0.187	0.166	0.847	1.087
N38	Ant.4	LTE B2	Ant.1	Left Cheek	0.192	0.258	0.450	0.229	0.310	0.406	0.679	1.166
				Left Tilt	0.039	0.331	0.370	0.175	0.344	0.278	0.545	0.992
				Right Cheek	0.406	0.365	0.771	0.078	0.173	0.165	0.849	1.109
				Right Tilt	0.100	0.427	0.527	0.113	0.187	0.166	0.640	0.880
N38	Ant.4	LTE B4	Ant.1	Left Cheek	0.192	0.261	0.453	0.229	0.310	0.406	0.682	1.169
				Left Tilt	0.039	0.314	0.353	0.175	0.344	0.278	0.528	0.975
				Right Cheek	0.406	0.407	0.813	0.078	0.173	0.165	0.891	1.151
				Right Tilt	0.100	0.486	0.586	0.113	0.187	0.166	0.699	0.939

N38	Ant.4	LTE B5	Ant.1	Left Cheek	0.192	0.260	0.452	0.229	0.310	0.406	0.681	1.168
				Left Tilt	0.039	0.253	0.292	0.175	0.344	0.278	0.467	0.914
				Right Cheek	0.406	0.360	0.766	0.078	0.173	0.165	0.844	1.104
				Right Tilt	0.100	0.363	0.463	0.113	0.187	0.166	0.576	0.816
N38	Ant.4	LTE B66	Ant.1	Left Cheek	0.192	0.286	0.478	0.229	0.310	0.406	0.707	1.194
				Left Tilt	0.039	0.374	0.413	0.175	0.344	0.278	0.588	1.035
				Right Cheek	0.406	0.478	0.884	0.078	0.173	0.165	0.962	1.222
				Right Tilt	0.100	0.569	0.669	0.113	0.187	0.166	0.782	1.022
N41	Ant.1	LTE B2	Ant.0	Left Cheek	0.264	0.096	0.360	0.229	0.310	0.406	0.589	1.076
				Left Tilt	0.264	0.058	0.322	0.175	0.344	0.278	0.497	0.944
				Right Cheek	0.791	0.075	0.866	0.078	0.173	0.165	0.944	1.204
				Right Tilt	0.717	0.060	0.777	0.113	0.187	0.166	0.890	1.130
N41	Ant.1	LTE B26	Ant.0	Left Cheek	0.264	0.181	0.445	0.229	0.310	0.406	0.674	1.161
				Left Tilt	0.264	0.088	0.352	0.175	0.344	0.278	0.527	0.974
				Right Cheek	0.791	0.120	0.911	0.078	0.173	0.165	0.989	1.249
				Right Tilt	0.717	0.016	0.733	0.113	0.187	0.166	0.846	1.086
N41	Ant.1	LTE B41	Ant.0	Left Cheek	0.264	0.162	0.426	0.229	0.310	0.406	0.655	1.142
				Left Tilt	0.264	0.108	0.372	0.175	0.344	0.278	0.547	0.994
				Right Cheek	0.791	0.289	1.080	0.078	0.173	0.165	1.158	1.418
				Right Tilt	0.717	0.129	0.846	0.113	0.187	0.166	0.959	1.199
N41	Ant.1	LTE B66	Ant.0	Left Cheek	0.264	0.113	0.377	0.229	0.310	0.406	0.606	1.093
				Left Tilt	0.264	0.071	0.335	0.175	0.344	0.278	0.510	0.957
				Right Cheek	0.791	0.065	0.856	0.078	0.173	0.165	0.934	1.194
				Right Tilt	0.717	0.074	0.791	0.113	0.187	0.166	0.904	1.144
N41	Ant.4	LTE B2	Ant.0	Left Cheek	0.125	0.096	0.221	0.229	0.310	0.406	0.450	0.937
				Left Tilt	0.031	0.058	0.089	0.175	0.344	0.278	0.264	0.711
				Right Cheek	0.331	0.075	0.406	0.078	0.173	0.165	0.484	0.744
				Right Tilt	0.075	0.060	0.135	0.113	0.187	0.166	0.248	0.488
N41	Ant.4	LTE B26	Ant.0	Left Cheek	0.125	0.181	0.306	0.229	0.310	0.406	0.535	1.022
				Left Tilt	0.031	0.088	0.119	0.175	0.344	0.278	0.294	0.741
				Right Cheek	0.331	0.120	0.451	0.078	0.173	0.165	0.529	0.789
				Right Tilt	0.075	0.016	0.091	0.113	0.187	0.166	0.204	0.444
N41	Ant.4	LTE B41	Ant.0	Left Cheek	0.125	0.162	0.287	0.229	0.310	0.406	0.516	1.003
				Left Tilt	0.031	0.108	0.139	0.175	0.344	0.278	0.314	0.761
				Right Cheek	0.331	0.289	0.620	0.078	0.173	0.165	0.698	0.958
				Right Tilt	0.075	0.129	0.204	0.113	0.187	0.166	0.317	0.557
N41	Ant.4	LTE B66	Ant.0	Left Cheek	0.125	0.113	0.238	0.229	0.310	0.406	0.467	0.954
				Left Tilt	0.031	0.071	0.102	0.175	0.344	0.278	0.277	0.724

				Right Cheek	0.331	0.065	0.396	0.078	0.173	0.165	0.474	0.734
				Right Tilt	0.075	0.074	0.149	0.113	0.187	0.166	0.262	0.502
N41	Ant.0	LTE B2	Ant.1	Left Cheek	0.244	0.258	0.502	0.229	0.310	0.406	0.731	1.218
				Left Tilt	0.181	0.331	0.512	0.175	0.344	0.278	0.687	1.134
				Right Cheek	0.379	0.365	0.744	0.078	0.173	0.165	0.822	1.082
				Right Tilt	0.126	0.427	0.553	0.113	0.187	0.166	0.666	0.906
N41	Ant.0	LTE B26	Ant.1	Left Cheek	0.244	0.211	0.455	0.229	0.310	0.406	0.684	1.171
				Left Tilt	0.181	0.227	0.408	0.175	0.344	0.278	0.583	1.030
				Right Cheek	0.379	0.330	0.709	0.078	0.173	0.165	0.787	1.047
				Right Tilt	0.126	0.310	0.436	0.113	0.187	0.166	0.549	0.789
N41	Ant.0	LTE B41	Ant.1	Left Cheek	0.244	0.198	0.442	0.229	0.310	0.406	0.671	1.158
				Left Tilt	0.181	0.178	0.359	0.175	0.344	0.278	0.534	0.981
				Right Cheek	0.379	0.653	1.032	0.078	0.173	0.165	1.110	1.370
				Right Tilt	0.126	0.560	0.686	0.113	0.187	0.166	0.799	1.039
N41	Ant.0	LTE B66	Ant.1	Left Cheek	0.244	0.286	0.530	0.229	0.310	0.406	0.759	1.246
				Left Tilt	0.181	0.374	0.555	0.175	0.344	0.278	0.730	1.177
				Right Cheek	0.379	0.478	0.857	0.078	0.173	0.165	0.935	1.195
				Right Tilt	0.126	0.569	0.695	0.113	0.187	0.166	0.808	1.048
N41	Ant.4	LTE B2	Ant.1	Left Cheek	0.125	0.258	0.383	0.229	0.310	0.406	0.612	1.099
				Left Tilt	0.031	0.331	0.362	0.175	0.344	0.278	0.537	0.984
				Right Cheek	0.331	0.365	0.696	0.078	0.173	0.165	0.774	1.034
				Right Tilt	0.075	0.427	0.502	0.113	0.187	0.166	0.615	0.855
N41	Ant.4	LTE B26	Ant.1	Left Cheek	0.125	0.211	0.336	0.229	0.310	0.406	0.565	1.052
				Left Tilt	0.031	0.227	0.258	0.175	0.344	0.278	0.433	0.880
				Right Cheek	0.331	0.330	0.661	0.078	0.173	0.165	0.739	0.999
				Right Tilt	0.075	0.310	0.385	0.113	0.187	0.166	0.498	0.738
N41	Ant.4	LTE B41	Ant.1	Left Cheek	0.125	0.198	0.323	0.229	0.310	0.406	0.552	1.039
				Left Tilt	0.031	0.178	0.209	0.175	0.344	0.278	0.384	0.831
				Right Cheek	0.331	0.653	0.984	0.078	0.173	0.165	1.062	1.322
				Right Tilt	0.075	0.560	0.635	0.113	0.187	0.166	0.748	0.988
N41	Ant.4	LTE B66	Ant.1	Left Cheek	0.125	0.286	0.411	0.229	0.310	0.406	0.640	1.127
				Left Tilt	0.031	0.374	0.405	0.175	0.344	0.278	0.580	1.027
				Right Cheek	0.331	0.478	0.809	0.078	0.173	0.165	0.887	1.147
				Right Tilt	0.075	0.569	0.644	0.113	0.187	0.166	0.757	0.997

Note:

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

2: The highest Summed 1g SAR is 1.457 W/Kg < 1.6 W/kg, so Simultaneous Transmission SAR test is not required.

13.2.8 Body Simultaneous Transmission SAR Evaluation for WWAN Antenna with WLAN and Bluetooth

NR Band	NR Antenna	LTE Band	LTE Antenna	Position	Stand alone SAR						SUM SAR	
					1	2	3	4	5	6	WWAN+WIFI2.4G 3+4	WWAN+WIFI5G+BT 3+5+6
					NR(NSA)	LTE(ENDC)	ENDC(1+2)	MAX. 2.4GWIFI	MAX. 5GWIFI	BT		
					STATE3	STATE3		Level4	Level4			
N5	Ant.1	LTE B66	Ant.0	Front Side 15mm	0.171	0.059	0.230	0.040	0.087	0.014	0.270	0.331
				Back Side 15mm	0.214	0.087	0.301	0.063	0.261	0.058	0.364	0.620
N5	Ant.1	LTE B66	Ant.4	Front Side 15mm	0.171	0.015	0.186	0.040	0.087	0.014	0.226	0.287
				Back Side 15mm	0.214	0.028	0.242	0.063	0.261	0.058	0.305	0.561
N5	Ant.0	LTE B66	Ant.1	Front Side 15mm	0.061	0.098	0.159	0.040	0.087	0.014	0.199	0.260
				Back Side 15mm	0.130	0.110	0.240	0.063	0.261	0.058	0.303	0.559
N5	Ant.0	LTE B66	Ant.4	Front Side 15mm	0.061	0.015	0.076	0.040	0.087	0.014	0.116	0.177
				Back Side 15mm	0.130	0.028	0.158	0.063	0.261	0.058	0.221	0.477
N7	Ant.1	LTE B2	Ant.0	Front Side 15mm	0.114	0.078	0.192	0.040	0.087	0.014	0.232	0.293
				Back Side 15mm	0.146	0.072	0.218	0.063	0.261	0.058	0.281	0.537
N7	Ant.1	LTE B4	Ant.0	Front Side 15mm	0.114	0.046	0.160	0.040	0.087	0.014	0.200	0.261
				Back Side 15mm	0.146	0.073	0.219	0.063	0.261	0.058	0.282	0.538
N7	Ant.1	LTE B5	Ant.0	Front Side 15mm	0.114	0.087	0.201	0.040	0.087	0.014	0.241	0.302
				Back Side 15mm	0.146	0.090	0.236	0.063	0.261	0.058	0.299	0.555
N7	Ant.1	LTE B66	Ant.0	Front Side 15mm	0.114	0.059	0.173	0.040	0.087	0.014	0.213	0.274
				Back Side 15mm	0.146	0.087	0.233	0.063	0.261	0.058	0.296	0.552
N7	Ant.4	LTE B2	Ant.0	Front Side 15mm	0.012	0.078	0.090	0.040	0.087	0.014	0.130	0.191
				Back Side 15mm	0.049	0.072	0.121	0.063	0.261	0.058	0.184	0.440
N7	Ant.4	LTE B4	Ant.0	Front Side 15mm	0.012	0.046	0.058	0.040	0.087	0.014	0.098	0.159
				Back Side 15mm	0.049	0.073	0.122	0.063	0.261	0.058	0.185	0.441
N7	Ant.4	LTE B5	Ant.0	Front Side 15mm	0.012	0.087	0.099	0.040	0.087	0.014	0.139	0.200
				Back Side 15mm	0.049	0.090	0.139	0.063	0.261	0.058	0.202	0.458
N7	Ant.4	LTE B66	Ant.0	Front Side 15mm	0.012	0.059	0.071	0.040	0.087	0.014	0.111	0.172
				Back Side 15mm	0.049	0.087	0.136	0.063	0.261	0.058	0.199	0.455
N7	Ant.0	LTE B2	Ant.1	Front Side 15mm	0.076	0.042	0.118	0.040	0.087	0.014	0.158	0.219
				Back Side 15mm	0.142	0.083	0.225	0.063	0.261	0.058	0.288	0.544
N7	Ant.0	LTE B4	Ant.1	Front Side 15mm	0.076	0.055	0.131	0.040	0.087	0.014	0.171	0.232
				Back Side 15mm	0.142	0.074	0.216	0.063	0.261	0.058	0.279	0.535
N7	Ant.0	LTE B5	Ant.1	Front Side 15mm	0.076	0.205	0.281	0.040	0.087	0.014	0.321	0.382
				Back Side 15mm	0.142	0.189	0.331	0.063	0.261	0.058	0.394	0.650
N7	Ant.0	LTE	Ant.1	Front Side 15mm	0.076	0.098	0.174	0.040	0.087	0.014	0.214	0.275

		B66		Back Side 15mm	0.142	0.110	0.252	0.063	0.261	0.058	0.315	0.571
N7	Ant.4	LTE B2	Ant.1	Front Side 15mm	0.012	0.042	0.054	0.040	0.087	0.014	0.094	0.155
				Back Side 15mm	0.049	0.083	0.132	0.063	0.261	0.058	0.195	0.451
N7	Ant.4	LTE B4	Ant.1	Front Side 15mm	0.012	0.055	0.067	0.040	0.087	0.014	0.107	0.168
				Back Side 15mm	0.049	0.074	0.123	0.063	0.261	0.058	0.186	0.442
N7	Ant.4	LTE B5	Ant.1	Front Side 15mm	0.012	0.205	0.217	0.040	0.087	0.014	0.257	0.318
				Back Side 15mm	0.049	0.189	0.238	0.063	0.261	0.058	0.301	0.557
N7	Ant.4	LTE B66	Ant.1	Front Side 15mm	0.012	0.098	0.110	0.040	0.087	0.014	0.150	0.211
				Back Side 15mm	0.049	0.110	0.159	0.063	0.261	0.058	0.222	0.478
N66	Ant.1	LTE B2	Ant.0	Front Side 15mm	0.071	0.078	0.149	0.040	0.087	0.014	0.189	0.250
				Back Side 15mm	0.095	0.072	0.167	0.063	0.261	0.058	0.230	0.486
N66	Ant.1	LTE B5	Ant.0	Front Side 15mm	0.071	0.087	0.158	0.040	0.087	0.014	0.198	0.259
				Back Side 15mm	0.095	0.090	0.185	0.063	0.261	0.058	0.248	0.504
N66	Ant.1	LTE B7	Ant.0	Front Side 15mm	0.071	0.078	0.149	0.040	0.087	0.014	0.189	0.250
				Back Side 15mm	0.095	0.110	0.205	0.063	0.261	0.058	0.268	0.524
N66	Ant.4	LTE B2	Ant.0	Front Side 15mm	0.013	0.078	0.091	0.040	0.087	0.014	0.131	0.192
				Back Side 15mm	0.029	0.072	0.101	0.063	0.261	0.058	0.164	0.420
N66	Ant.4	LTE B5	Ant.0	Front Side 15mm	0.013	0.087	0.100	0.040	0.087	0.014	0.140	0.201
				Back Side 15mm	0.029	0.090	0.119	0.063	0.261	0.058	0.182	0.438
N66	Ant.4	LTE B7	Ant.0	Front Side 15mm	0.013	0.078	0.091	0.040	0.087	0.014	0.131	0.192
				Back Side 15mm	0.029	0.110	0.139	0.063	0.261	0.058	0.202	0.458
N66	Ant.0	LTE B2	Ant.1	Front Side 15mm	0.054	0.042	0.096	0.040	0.087	0.014	0.136	0.197
				Back Side 15mm	0.084	0.083	0.167	0.063	0.261	0.058	0.230	0.486
N66	Ant.0	LTE B5	Ant.1	Front Side 15mm	0.054	0.205	0.259	0.040	0.087	0.014	0.299	0.360
				Back Side 15mm	0.084	0.189	0.273	0.063	0.261	0.058	0.336	0.592
N66	Ant.0	LTE B7	Ant.1	Front Side 15mm	0.054	0.057	0.111	0.040	0.087	0.014	0.151	0.212
				Back Side 15mm	0.084	0.088	0.172	0.063	0.261	0.058	0.235	0.491
N66	Ant.4	LTE B2	Ant.1	Front Side 15mm	0.013	0.042	0.055	0.040	0.087	0.014	0.095	0.156
				Back Side 15mm	0.029	0.083	0.112	0.063	0.261	0.058	0.175	0.431
N66	Ant.4	LTE B5	Ant.1	Front Side 15mm	0.013	0.205	0.218	0.040	0.087	0.014	0.258	0.319
				Back Side 15mm	0.029	0.189	0.218	0.063	0.261	0.058	0.281	0.537
N66	Ant.4	LTE B7	Ant.1	Front Side 15mm	0.013	0.057	0.070	0.040	0.087	0.014	0.110	0.171
				Back Side 15mm	0.029	0.088	0.117	0.063	0.261	0.058	0.180	0.436
N38	Ant.1	LTE B2	Ant.0	Front Side 15mm	0.071	0.078	0.149	0.040	0.087	0.014	0.189	0.250
				Back Side 15mm	0.095	0.072	0.167	0.063	0.261	0.058	0.230	0.486
N38	Ant.1	LTE B4	Ant.0	Front Side 15mm	0.070	0.046	0.116	0.040	0.087	0.014	0.156	0.217
				Back Side 15mm	0.116	0.073	0.189	0.063	0.261	0.058	0.252	0.508
N38	Ant.1	LTE	Ant.0	Front Side 15mm	0.070	0.087	0.157	0.040	0.087	0.014	0.197	0.258

		B5		Back Side 15mm	0.116	0.090	0.206	0.063	0.261	0.058	0.269	0.525
N38	Ant.1	LTE B66	Ant.0	Front Side 15mm	0.070	0.059	0.129	0.040	0.087	0.014	0.169	0.230
				Back Side 15mm	0.116	0.087	0.203	0.063	0.261	0.058	0.266	0.522
N38	Ant.4	LTE B2	Ant.0	Front Side 15mm	0.024	0.078	0.102	0.040	0.087	0.014	0.142	0.203
				Back Side 15mm	0.062	0.072	0.134	0.063	0.261	0.058	0.197	0.453
N38	Ant.4	LTE B4	Ant.0	Front Side 15mm	0.024	0.046	0.070	0.040	0.087	0.014	0.110	0.171
				Back Side 15mm	0.062	0.073	0.135	0.063	0.261	0.058	0.198	0.454
N38	Ant.4	LTE B5	Ant.0	Front Side 15mm	0.024	0.087	0.111	0.040	0.087	0.014	0.151	0.212
				Back Side 15mm	0.062	0.090	0.152	0.063	0.261	0.058	0.215	0.471
N38	Ant.4	LTE B66	Ant.0	Front Side 15mm	0.024	0.059	0.083	0.040	0.087	0.014	0.123	0.184
				Back Side 15mm	0.062	0.087	0.149	0.063	0.261	0.058	0.212	0.468
N38	Ant.0	LTE B2	Ant.1	Front Side 15mm	0.082	0.042	0.124	0.040	0.087	0.014	0.164	0.225
				Back Side 15mm	0.133	0.083	0.216	0.063	0.261	0.058	0.279	0.535
N38	Ant.0	LTE B4	Ant.1	Front Side 15mm	0.082	0.055	0.137	0.040	0.087	0.014	0.177	0.238
				Back Side 15mm	0.133	0.074	0.207	0.063	0.261	0.058	0.270	0.526
N38	Ant.0	LTE B5	Ant.1	Front Side 15mm	0.082	0.205	0.287	0.040	0.087	0.014	0.327	0.388
				Back Side 15mm	0.133	0.189	0.322	0.063	0.261	0.058	0.385	0.641
N38	Ant.0	LTE B66	Ant.1	Front Side 15mm	0.082	0.098	0.180	0.040	0.087	0.014	0.220	0.281
				Back Side 15mm	0.133	0.110	0.243	0.063	0.261	0.058	0.306	0.562
N38	Ant.4	LTE B2	Ant.1	Front Side 15mm	0.024	0.042	0.066	0.040	0.087	0.014	0.106	0.167
				Back Side 15mm	0.062	0.083	0.145	0.063	0.261	0.058	0.208	0.464
N38	Ant.4	LTE B4	Ant.1	Front Side 15mm	0.024	0.055	0.079	0.040	0.087	0.014	0.119	0.180
				Back Side 15mm	0.062	0.074	0.136	0.063	0.261	0.058	0.199	0.455
N38	Ant.4	LTE B5	Ant.1	Front Side 15mm	0.024	0.205	0.229	0.040	0.087	0.014	0.269	0.330
				Back Side 15mm	0.062	0.189	0.251	0.063	0.261	0.058	0.314	0.570
N38	Ant.4	LTE B66	Ant.1	Front Side 15mm	0.024	0.098	0.122	0.040	0.087	0.014	0.162	0.223
				Back Side 15mm	0.062	0.110	0.172	0.063	0.261	0.058	0.235	0.491
N41	Ant.1	LTE B2	Ant.0	Front Side 15mm	0.063	0.078	0.141	0.040	0.087	0.014	0.181	0.242
				Back Side 15mm	0.092	0.072	0.164	0.063	0.261	0.058	0.227	0.483
N41	Ant.1	LTE B26	Ant.0	Front Side 15mm	0.063	0.054	0.117	0.040	0.087	0.014	0.157	0.218
				Back Side 15mm	0.092	0.083	0.175	0.063	0.261	0.058	0.238	0.494
N41	Ant.1	LTE B41	Ant.0	Front Side 15mm	0.063	0.092	0.155	0.040	0.087	0.014	0.195	0.256
				Back Side 15mm	0.092	0.128	0.220	0.063	0.261	0.058	0.283	0.539
N41	Ant.1	LTE B66	Ant.0	Front Side 15mm	0.063	0.059	0.122	0.040	0.087	0.014	0.162	0.223
				Back Side 15mm	0.092	0.087	0.179	0.063	0.261	0.058	0.242	0.498
N41	Ant.4	LTE B2	Ant.0	Front Side 15mm	0.009	0.078	0.087	0.040	0.087	0.014	0.127	0.188
				Back Side 15mm	0.044	0.072	0.116	0.063	0.261	0.058	0.179	0.435
N41	Ant.4	LTE	Ant.0	Front Side 15mm	0.009	0.054	0.063	0.040	0.087	0.014	0.103	0.164

		B26		Back Side 15mm	0.044	0.083	0.127	0.063	0.261	0.058	0.190	0.446
N41	Ant.4	LTE B41	Ant.0	Front Side 15mm	0.009	0.092	0.101	0.040	0.087	0.014	0.141	0.202
				Back Side 15mm	0.044	0.128	0.172	0.063	0.261	0.058	0.235	0.491
N41	Ant.4	LTE B66	Ant.0	Front Side 15mm	0.009	0.059	0.068	0.040	0.087	0.014	0.108	0.169
				Back Side 15mm	0.044	0.087	0.131	0.063	0.261	0.058	0.194	0.450
N41	Ant.0	LTE B2	Ant.1	Front Side 15mm	0.072	0.042	0.114	0.040	0.087	0.014	0.154	0.215
				Back Side 15mm	0.120	0.083	0.203	0.063	0.261	0.058	0.266	0.522
N41	Ant.0	LTE B26	Ant.1	Front Side 15mm	0.072	0.219	0.291	0.040	0.087	0.014	0.331	0.392
				Back Side 15mm	0.120	0.251	0.371	0.063	0.261	0.058	0.434	0.690
N41	Ant.0	LTE B41	Ant.1	Front Side 15mm	0.072	0.066	0.138	0.040	0.087	0.014	0.178	0.239
				Back Side 15mm	0.120	0.109	0.229	0.063	0.261	0.058	0.292	0.548
N41	Ant.0	LTE B66	Ant.1	Front Side 15mm	0.072	0.098	0.170	0.040	0.087	0.014	0.210	0.271
				Back Side 15mm	0.120	0.110	0.230	0.063	0.261	0.058	0.293	0.549
N41	Ant.4	LTE B2	Ant.1	Front Side 15mm	0.009	0.042	0.051	0.040	0.087	0.014	0.091	0.152
				Back Side 15mm	0.044	0.083	0.127	0.063	0.261	0.058	0.190	0.446
N41	Ant.4	LTE B26	Ant.1	Front Side 15mm	0.009	0.219	0.228	0.040	0.087	0.014	0.268	0.329
				Back Side 15mm	0.044	0.251	0.295	0.063	0.261	0.058	0.358	0.614
N41	Ant.4	LTE B41	Ant.1	Front Side 15mm	0.009	0.066	0.075	0.040	0.087	0.014	0.115	0.176
				Back Side 15mm	0.044	0.109	0.153	0.063	0.261	0.058	0.216	0.472
N41	Ant.4	LTE B66	Ant.1	Front Side 15mm	0.009	0.098	0.107	0.040	0.087	0.014	0.147	0.208
				Back Side 15mm	0.044	0.110	0.154	0.063	0.261	0.058	0.217	0.473

Note:

- 1: The simultaneous transmission combinations of more antennas contain combinations of less antennas, so only the worst simultaneous transmission combinations was shown in this table.
- 2: The highest Summed 1g SAR is 0.690 W/Kg < 1.6 W/kg, so Simultaneous Transmission SAR test is not required.

13.2.9 Body Simultaneous Transmission SAR Evaluation for WWAN Antenna with WLAN and Bluetooth

Band	Antenna	Band	Antenna	Position	Stand alone SAR						SUM SAR	
					1	2	3	4	5	6	WWAN+WIFI2.4G 3+4	WWAN+WIFI5G+BT 3+5+6
					NR(NSA)	LTE(ENDC)	ENDC(1+2)	MAX. 2.4GWIFI	MAX. 5GWIFI	BT		
					STATE3	STATE3	STATE3	Leve4	Leve4			
N5	Ant.1	LTE B66	Ant.0	Front Side 10mm	0.201	0.071	0.272	0.088	0.174	0.077	0.360	0.523
				Back Side 10mm	0.245	0.109	0.354	0.167	0.533	0.116	0.521	1.003
				Left Edge10mm	0.000	0.030	0.030	0.091	0.474	0.063	0.121	0.567
				Right Edge 10mm	0.193	0.021	0.214	0.009	0.038	0.012	0.223	0.264
				Bottom Edge 10mm	0.286	0.193	0.479	0.003	0.009	0.006	0.482	0.494
N5	Ant.1	LTE B66	Ant.4	Front Side 10mm	0.201	0.008	0.209	0.088	0.174	0.077	0.297	0.460
				Back Side 10mm	0.245	0.066	0.311	0.167	0.533	0.116	0.478	0.960
				Right Edge 10mm	0.193	0.048	0.241	0.009	0.038	0.012	0.250	0.291
				Top Edge 10mm	0.286	0.002	0.288	0.102	0.516	0.072	0.390	0.876
N5	Ant.0	LTE B66	Ant.1	Front Side 10mm	0.100	0.104	0.204	0.088	0.174	0.077	0.292	0.455
				Back Side 10mm	0.230	0.140	0.370	0.167	0.533	0.116	0.537	1.019
				Left Edge10mm	0.031	0.000	0.031	0.091	0.474	0.000	0.122	0.505
				Right Edge 10mm	0.073	0.012	0.085	0.009	0.038	0.012	0.094	0.135
				Top Edge 10mm	0.011	0.220	0.231	0.102	0.516	0.072	0.333	0.819
				Bottom Edge 10mm	0.188	0.000	0.188	0.003	0.009	0.000	0.191	0.197
N5	Ant.0	LTE B66	Ant.4	Front Side 10mm	0.100	0.008	0.108	0.088	0.174	0.077	0.196	0.359
				Back Side 10mm	0.230	0.066	0.296	0.167	0.533	0.116	0.463	0.945
				Left Edge10mm	0.031	0.000	0.031	0.091	0.474	0.000	0.122	0.505
				Right Edge 10mm	0.073	0.048	0.121	0.009	0.038	0.012	0.130	0.171
				Top Edge 10mm	0.011	0.002	0.013	0.102	0.516	0.072	0.115	0.601
				Bottom Edge 10mm	0.188	0.000	0.188	0.003	0.009	0.000	0.191	0.197
N7	Ant.1	LTE B2	Ant.0	Front Side 10mm	0.236	0.096	0.332	0.088	0.174	0.077	0.420	0.583
				Back Side 10mm	0.340	0.138	0.478	0.167	0.533	0.116	0.645	1.127
				Left Edge10mm	0.000	0.047	0.047	0.091	0.474	0.063	0.138	0.584
				Right Edge 10mm	0.288	0.023	0.311	0.009	0.038	0.012	0.320	0.361
				Bottom Edge 10mm	0.000	0.191	0.191	0.003	0.009	0.006	0.194	0.206
N7	Ant.1	LTE B4	Ant.0	Front Side 10mm	0.236	0.081	0.317	0.088	0.174	0.077	0.405	0.568
				Back Side 10mm	0.340	0.132	0.472	0.167	0.533	0.116	0.639	1.121
				Left Edge10mm	0.000	0.037	0.037	0.091	0.474	0.063	0.128	0.574
				Right Edge 10mm	0.288	0.025	0.313	0.009	0.038	0.012	0.322	0.363
				Bottom Edge 10mm	0.000	0.220	0.220	0.003	0.009	0.006	0.223	0.235

N7	Ant.1	LTE B5	Ant.0	Front Side 10mm	0.236	0.075	0.311	0.088	0.174	0.077	0.399	0.562
				Back Side 10mm	0.340	0.128	0.468	0.167	0.533	0.116	0.635	1.117
				Left Edge10mm	0.000	0.034	0.034	0.091	0.474	0.063	0.125	0.571
				Right Edge 10mm	0.288	0.045	0.333	0.009	0.038	0.012	0.342	0.383
				Bottom Edge 10mm	0.000	0.102	0.102	0.003	0.009	0.006	0.105	0.117
N7	Ant.1	LTE B66	Ant.0	Front Side 10mm	0.236	0.071	0.307	0.088	0.174	0.077	0.395	0.558
				Back Side 10mm	0.340	0.109	0.449	0.167	0.533	0.116	0.616	1.098
				Left Edge10mm	0.000	0.030	0.030	0.091	0.474	0.063	0.121	0.567
				Right Edge 10mm	0.288	0.021	0.309	0.009	0.038	0.012	0.318	0.359
				Bottom Edge 10mm	0.000	0.193	0.193	0.003	0.009	0.006	0.196	0.208
N7	Ant.4	LTE B2	Ant.0	Front Side 10mm	0.030	0.096	0.126	0.088	0.174	0.077	0.214	0.377
				Back Side 10mm	0.167	0.138	0.305	0.167	0.533	0.116	0.472	0.954
				Left Edge10mm	0.000	0.047	0.047	0.091	0.474	0.063	0.138	0.584
				Right Edge 10mm	0.135	0.023	0.158	0.009	0.038	0.012	0.167	0.208
				Bottom Edge 10mm	0.000	0.191	0.191	0.003	0.009	0.006	0.194	0.206
N7	Ant.4	LTE B4	Ant.0	Front Side 10mm	0.030	0.081	0.111	0.088	0.174	0.077	0.199	0.362
				Back Side 10mm	0.167	0.132	0.299	0.167	0.533	0.116	0.466	0.948
				Left Edge10mm	0.000	0.037	0.037	0.091	0.474	0.063	0.128	0.574
				Right Edge 10mm	0.135	0.025	0.160	0.009	0.038	0.012	0.169	0.210
				Bottom Edge 10mm	0.000	0.220	0.220	0.003	0.009	0.006	0.223	0.235
N7	Ant.4	LTE B5	Ant.0	Front Side 10mm	0.030	0.075	0.105	0.088	0.174	0.077	0.193	0.356
				Back Side 10mm	0.167	0.128	0.295	0.167	0.533	0.116	0.462	0.944
				Left Edge10mm	0.000	0.034	0.034	0.091	0.474	0.063	0.125	0.571
				Right Edge 10mm	0.135	0.045	0.180	0.009	0.038	0.012	0.189	0.230
				Bottom Edge 10mm	0.000	0.102	0.102	0.003	0.009	0.006	0.105	0.117
N7	Ant.4	LTE B66	Ant.0	Front Side 10mm	0.030	0.071	0.101	0.088	0.174	0.077	0.189	0.352
				Back Side 10mm	0.167	0.109	0.276	0.167	0.533	0.116	0.443	0.925
				Left Edge10mm	0.000	0.030	0.030	0.091	0.474	0.063	0.121	0.567
				Right Edge 10mm	0.135	0.021	0.156	0.009	0.038	0.012	0.165	0.206
				Bottom Edge 10mm	0.000	0.193	0.193	0.003	0.009	0.006	0.196	0.208
N7	Ant.0	LTE B2	Ant.1	Front Side 10mm	0.383	0.063	0.446	0.088	0.174	0.077	0.534	0.697
				Back Side 10mm	0.584	0.131	0.715	0.167	0.533	0.116	0.882	1.364
				Left Edge10mm	0.000	0.000	0.000	0.091	0.474	0.000	0.091	0.474
				Right Edge 10mm	0.384	0.016	0.400	0.009	0.038	0.012	0.409	0.450
				Top Edge 10mm	0.000	0.186	0.186	0.102	0.516	0.072	0.288	0.774
				Bottom Edge 10mm	0.373	0.000	0.373	0.003	0.009	0.000	0.376	0.382
N7	Ant.0	LTE B4	Ant.1	Front Side 10mm	0.383	0.119	0.502	0.088	0.174	0.077	0.590	0.753
				Back Side 10mm	0.584	0.171	0.755	0.167	0.533	0.116	0.922	1.404

				Left Edge10mm	0.000	0.000	0.000	0.091	0.474	0.000	0.091	0.474
				Right Edge 10mm	0.384	0.027	0.411	0.009	0.038	0.012	0.420	0.461
				Top Edge 10mm	0.000	0.273	0.273	0.102	0.516	0.072	0.375	0.861
				Bottom Edge 10mm	0.373	0.000	0.373	0.003	0.009	0.000	0.376	0.382
N7	Ant.0	LTE B5	Ant.1	Front Side 10mm	0.383	0.255	0.638	0.088	0.174	0.077	0.726	0.889
				Back Side 10mm	0.584	0.266	0.850	0.167	0.533	0.116	1.017	1.499
				Left Edge10mm	0.000	0.000	0.000	0.091	0.474	0.000	0.091	0.474
				Right Edge 10mm	0.384	0.195	0.579	0.009	0.038	0.012	0.588	0.629
				Top Edge 10mm	0.000	0.263	0.263	0.102	0.516	0.072	0.365	0.851
				Bottom Edge 10mm	0.373	0.000	0.373	0.003	0.009	0.000	0.376	0.382
N7	Ant.0	LTE B66	Ant.1	Front Side 10mm	0.383	0.104	0.487	0.088	0.174	0.077	0.575	0.738
				Back Side 10mm	0.584	0.140	0.724	0.167	0.533	0.116	0.891	1.373
				Left Edge10mm	0.000	0.000	0.000	0.091	0.474	0.000	0.091	0.474
				Right Edge 10mm	0.384	0.012	0.396	0.009	0.038	0.012	0.405	0.446
				Top Edge 10mm	0.000	0.220	0.220	0.102	0.516	0.072	0.322	0.808
				Bottom Edge 10mm	0.373	0.000	0.373	0.003	0.009	0.000	0.376	0.382
N7	Ant.4	LTE B2	Ant.1	Front Side 10mm	0.030	0.063	0.093	0.088	0.174	0.077	0.181	0.344
				Back Side 10mm	0.167	0.131	0.298	0.167	0.533	0.116	0.465	0.947
				Right Edge 10mm	0.135	0.016	0.151	0.009	0.038	0.012	0.160	0.201
				Top Edge 10mm	0.017	0.186	0.203	0.102	0.516	0.072	0.305	0.791
N7	Ant.4	LTE B4	Ant.1	Front Side 10mm	0.030	0.119	0.149	0.088	0.174	0.077	0.237	0.400
				Back Side 10mm	0.167	0.171	0.338	0.167	0.533	0.116	0.505	0.987
				Right Edge 10mm	0.135	0.027	0.162	0.009	0.038	0.012	0.171	0.212
				Top Edge 10mm	0.017	0.273	0.290	0.102	0.516	0.072	0.392	0.878
N7	Ant.4	LTE B5	Ant.1	Front Side 10mm	0.030	0.255	0.285	0.088	0.174	0.077	0.373	0.536
				Back Side 10mm	0.167	0.266	0.433	0.167	0.533	0.116	0.600	1.082
				Right Edge 10mm	0.135	0.195	0.330	0.009	0.038	0.012	0.339	0.380
				Top Edge 10mm	0.017	0.263	0.280	0.102	0.516	0.072	0.382	0.868
N7	Ant.4	LTE B66	Ant.1	Front Side 10mm	0.030	0.104	0.134	0.088	0.174	0.077	0.222	0.385
				Back Side 10mm	0.167	0.140	0.307	0.167	0.533	0.116	0.474	0.956
				Right Edge 10mm	0.135	0.012	0.147	0.009	0.038	0.012	0.156	0.197
				Top Edge 10mm	0.017	0.220	0.237	0.102	0.516	0.072	0.339	0.825
N66	Ant.1	LTE B2	Ant.0	Front Side 10mm	0.167	0.096	0.263	0.088	0.174	0.077	0.351	0.514
				Back Side 10mm	0.213	0.138	0.351	0.167	0.533	0.116	0.518	1.000
				Left Edge10mm	0.000	0.047	0.047	0.091	0.474	0.063	0.138	0.584
				Right Edge 10mm	0.042	0.023	0.065	0.009	0.038	0.012	0.074	0.115
				Bottom Edge 10mm	0.000	0.191	0.191	0.003	0.009	0.006	0.194	0.206
N66	Ant.1	LTE B5	Ant.0	Front Side 10mm	0.167	0.075	0.242	0.088	0.174	0.077	0.330	0.493

				Back Side 10mm	0.213	0.128	0.341	0.167	0.533	0.116	0.508	0.990
				Left Edge10mm	0.000	0.034	0.034	0.091	0.474	0.063	0.125	0.571
				Right Edge 10mm	0.042	0.045	0.087	0.009	0.038	0.012	0.096	0.137
				Bottom Edge 10mm	0.000	0.102	0.102	0.003	0.009	0.006	0.105	0.117
N66	Ant.1	LTE B7	Ant.0	Front Side 10mm	0.167	0.136	0.303	0.088	0.174	0.077	0.391	0.554
				Back Side 10mm	0.213	0.203	0.416	0.167	0.533	0.116	0.583	1.065
				Left Edge10mm	0.000	0.087	0.087	0.091	0.474	0.063	0.178	0.624
				Right Edge 10mm	0.042	0.012	0.054	0.009	0.038	0.012	0.063	0.104
				Bottom Edge 10mm	0.000	0.100	0.100	0.003	0.009	0.006	0.103	0.115
N66	Ant.4	LTE B2	Ant.0	Front Side 10mm	0.012	0.096	0.108	0.088	0.174	0.077	0.196	0.359
				Back Side 10mm	0.083	0.138	0.221	0.167	0.533	0.116	0.388	0.870
				Left Edge10mm	0.000	0.047	0.047	0.091	0.474	0.063	0.138	0.584
				Right Edge 10mm	0.067	0.023	0.090	0.009	0.038	0.012	0.099	0.140
				Bottom Edge 10mm	0.000	0.191	0.191	0.003	0.009	0.006	0.194	0.206
N66	Ant.4	LTE B5	Ant.0	Front Side 10mm	0.012	0.075	0.087	0.088	0.174	0.077	0.175	0.338
				Back Side 10mm	0.083	0.128	0.211	0.167	0.533	0.116	0.378	0.860
				Left Edge10mm	0.000	0.034	0.034	0.091	0.474	0.063	0.125	0.571
				Right Edge 10mm	0.067	0.045	0.112	0.009	0.038	0.012	0.121	0.162
				Bottom Edge 10mm	0.000	0.102	0.102	0.003	0.009	0.006	0.105	0.117
N66	Ant.4	LTE B7	Ant.0	Front Side 10mm	0.012	0.136	0.148	0.088	0.174	0.077	0.236	0.399
				Back Side 10mm	0.083	0.203	0.286	0.167	0.533	0.116	0.453	0.935
				Left Edge10mm	0.000	0.087	0.087	0.091	0.474	0.063	0.178	0.624
				Right Edge 10mm	0.067	0.012	0.079	0.009	0.038	0.012	0.088	0.129
				Bottom Edge 10mm	0.000	0.100	0.100	0.003	0.009	0.006	0.103	0.115
N66	Ant.0	LTE B2	Ant.1	Front Side 10mm	0.122	0.063	0.185	0.088	0.174	0.077	0.273	0.436
				Back Side 10mm	0.222	0.131	0.353	0.167	0.533	0.116	0.520	1.002
				Left Edge10mm	0.078	0.000	0.078	0.091	0.474	0.000	0.169	0.552
				Right Edge 10mm	0.013	0.016	0.029	0.009	0.038	0.012	0.038	0.079
				Top Edge 10mm	0.000	0.186	0.186	0.102	0.516	0.072	0.288	0.774
				Bottom Edge 10mm	0.318	0.000	0.318	0.003	0.009	0.000	0.321	0.327
N66	Ant.0	LTE B5	Ant.1	Front Side 10mm	0.122	0.255	0.377	0.088	0.174	0.077	0.465	0.628
				Back Side 10mm	0.222	0.266	0.488	0.167	0.533	0.116	0.655	1.137
				Left Edge10mm	0.078	0.000	0.078	0.091	0.474	0.000	0.169	0.552
				Right Edge 10mm	0.013	0.195	0.208	0.009	0.038	0.012	0.217	0.258
				Top Edge 10mm	0.000	0.263	0.263	0.102	0.516	0.072	0.365	0.851
				Bottom Edge 10mm	0.318	0.000	0.318	0.003	0.009	0.000	0.321	0.327
N66	Ant.0	LTE B7	Ant.1	Front Side 10mm	0.122	0.056	0.178	0.088	0.174	0.077	0.266	0.429
				Back Side 10mm	0.222	0.106	0.328	0.167	0.533	0.116	0.495	0.977

				Left Edge10mm	0.078	0.000	0.078	0.091	0.474	0.000	0.169	0.552
				Right Edge 10mm	0.013	0.071	0.084	0.009	0.038	0.012	0.093	0.134
				Top Edge 10mm	0.000	0.036	0.036	0.102	0.516	0.072	0.138	0.624
				Bottom Edge 10mm	0.318	0.000	0.318	0.003	0.009	0.000	0.321	0.327
N66	Ant.4	LTE B2	Ant.1	Front Side 10mm	0.012	0.063	0.075	0.088	0.174	0.077	0.163	0.326
				Back Side 10mm	0.083	0.131	0.214	0.167	0.533	0.116	0.381	0.863
				Right Edge 10mm	0.067	0.016	0.083	0.009	0.038	0.012	0.092	0.133
				Top Edge 10mm	0.009	0.186	0.195	0.102	0.516	0.072	0.297	0.783
N66	Ant.4	LTE B5	Ant.1	Front Side 10mm	0.012	0.255	0.267	0.088	0.174	0.077	0.355	0.518
				Back Side 10mm	0.083	0.266	0.349	0.167	0.533	0.116	0.516	0.998
				Right Edge 10mm	0.067	0.195	0.262	0.009	0.038	0.012	0.271	0.312
				Top Edge 10mm	0.009	0.263	0.272	0.102	0.516	0.072	0.374	0.860
N66	Ant.4	LTE B7	Ant.1	Front Side 10mm	0.012	0.056	0.068	0.088	0.174	0.077	0.156	0.319
				Back Side 10mm	0.083	0.106	0.189	0.167	0.533	0.116	0.356	0.838
				Right Edge 10mm	0.067	0.071	0.138	0.009	0.038	0.012	0.147	0.188
				Top Edge 10mm	0.009	0.036	0.045	0.102	0.516	0.072	0.147	0.633
N38	Ant.1	LTE B2	Ant.0	Front Side 10mm	0.147	0.096	0.243	0.088	0.174	0.077	0.331	0.494
				Back Side 10mm	0.249	0.138	0.387	0.167	0.533	0.116	0.554	1.036
				Left Edge10mm	0.000	0.047	0.047	0.091	0.474	0.063	0.138	0.584
				Right Edge 10mm	0.234	0.023	0.257	0.009	0.038	0.012	0.266	0.307
				Bottom Edge 10mm	0.000	0.191	0.191	0.003	0.009	0.006	0.194	0.206
N38	Ant.1	LTE B4	Ant.0	Front Side 10mm	0.147	0.081	0.228	0.088	0.174	0.077	0.316	0.479
				Back Side 10mm	0.249	0.132	0.381	0.167	0.533	0.116	0.548	1.030
				Left Edge10mm	0.000	0.037	0.037	0.091	0.474	0.063	0.128	0.574
				Right Edge 10mm	0.234	0.025	0.259	0.009	0.038	0.012	0.268	0.309
				Bottom Edge 10mm	0.000	0.220	0.220	0.003	0.009	0.006	0.223	0.235
N38	Ant.1	LTE B5	Ant.0	Front Side 10mm	0.147	0.075	0.222	0.088	0.174	0.077	0.310	0.473
				Back Side 10mm	0.249	0.128	0.377	0.167	0.533	0.116	0.544	1.026
				Left Edge10mm	0.000	0.034	0.034	0.091	0.474	0.063	0.125	0.571
				Right Edge 10mm	0.234	0.045	0.279	0.009	0.038	0.012	0.288	0.329
				Bottom Edge 10mm	0.000	0.102	0.102	0.003	0.009	0.006	0.105	0.117
N38	Ant.1	LTE B66	Ant.0	Front Side 10mm	0.147	0.071	0.218	0.088	0.174	0.077	0.306	0.469
				Back Side 10mm	0.249	0.109	0.358	0.167	0.533	0.116	0.525	1.007
				Left Edge10mm	0.000	0.030	0.030	0.091	0.474	0.063	0.121	0.567
				Right Edge 10mm	0.234	0.021	0.255	0.009	0.038	0.012	0.264	0.305
				Bottom Edge 10mm	0.000	0.193	0.193	0.003	0.009	0.006	0.196	0.208
N38	Ant.4	LTE B2	Ant.0	Front Side 10mm	0.020	0.096	0.116	0.088	0.174	0.077	0.204	0.367
				Back Side 10mm	0.137	0.138	0.275	0.167	0.533	0.116	0.442	0.924

				Left Edge10mm	0.000	0.047	0.047	0.091	0.474	0.063	0.138	0.584
				Right Edge 10mm	0.112	0.023	0.135	0.009	0.038	0.012	0.144	0.185
				Bottom Edge 10mm	0.000	0.191	0.191	0.003	0.009	0.006	0.194	0.206
N38	Ant.4	LTE B4	Ant.0	Front Side 10mm	0.020	0.081	0.101	0.088	0.174	0.077	0.189	0.352
				Back Side 10mm	0.137	0.132	0.269	0.167	0.533	0.116	0.436	0.918
				Left Edge10mm	0.000	0.037	0.037	0.091	0.474	0.063	0.128	0.574
				Right Edge 10mm	0.112	0.025	0.137	0.009	0.038	0.012	0.146	0.187
				Bottom Edge 10mm	0.000	0.220	0.220	0.003	0.009	0.006	0.223	0.235
N38	Ant.4	LTE B5	Ant.0	Front Side 10mm	0.020	0.075	0.095	0.088	0.174	0.077	0.183	0.346
				Back Side 10mm	0.137	0.128	0.265	0.167	0.533	0.116	0.432	0.914
				Left Edge10mm	0.000	0.034	0.034	0.091	0.474	0.063	0.125	0.571
				Right Edge 10mm	0.112	0.045	0.157	0.009	0.038	0.012	0.166	0.207
				Bottom Edge 10mm	0.000	0.102	0.102	0.003	0.009	0.006	0.105	0.117
N38	Ant.4	LTE B66	Ant.0	Front Side 10mm	0.020	0.071	0.091	0.088	0.174	0.077	0.179	0.342
				Back Side 10mm	0.137	0.109	0.246	0.167	0.533	0.116	0.413	0.895
				Left Edge10mm	0.000	0.030	0.030	0.091	0.474	0.063	0.121	0.567
				Right Edge 10mm	0.112	0.021	0.133	0.009	0.038	0.012	0.142	0.183
				Bottom Edge 10mm	0.000	0.193	0.193	0.003	0.009	0.006	0.196	0.208
N38	Ant.0	LTE B2	Ant.1	Front Side 10mm	0.300	0.063	0.363	0.088	0.174	0.077	0.451	0.614
				Back Side 10mm	0.499	0.131	0.630	0.167	0.533	0.116	0.797	1.279
				Left Edge10mm	0.291	0.000	0.291	0.091	0.474	0.000	0.382	0.765
				Right Edge 10mm	0.026	0.016	0.042	0.009	0.038	0.012	0.051	0.092
				Top Edge 10mm	0.000	0.186	0.186	0.102	0.516	0.072	0.288	0.774
				Bottom Edge 10mm	0.266	0.000	0.266	0.003	0.009	0.000	0.269	0.275
N38	Ant.0	LTE B4	Ant.1	Front Side 10mm	0.300	0.119	0.419	0.088	0.174	0.077	0.507	0.670
				Back Side 10mm	0.499	0.171	0.670	0.167	0.533	0.116	0.837	1.319
				Left Edge10mm	0.291	0.000	0.291	0.091	0.474	0.000	0.382	0.765
				Right Edge 10mm	0.026	0.027	0.053	0.009	0.038	0.012	0.062	0.103
				Top Edge 10mm	0.000	0.273	0.273	0.102	0.516	0.072	0.375	0.861
				Bottom Edge 10mm	0.266	0.000	0.266	0.003	0.009	0.000	0.269	0.275
N38	Ant.0	LTE B5	Ant.1	Front Side 10mm	0.300	0.255	0.555	0.088	0.174	0.077	0.643	0.806
				Back Side 10mm	0.499	0.266	0.765	0.167	0.533	0.116	0.932	1.414
				Left Edge10mm	0.291	0.000	0.291	0.091	0.474	0.000	0.382	0.765
				Right Edge 10mm	0.026	0.195	0.221	0.009	0.038	0.012	0.230	0.271
				Top Edge 10mm	0.000	0.263	0.263	0.102	0.516	0.072	0.365	0.851
				Bottom Edge 10mm	0.266	0.000	0.266	0.003	0.009	0.000	0.269	0.275
N38	Ant.0	LTE B66	Ant.1	Front Side 10mm	0.300	0.104	0.404	0.088	0.174	0.077	0.492	0.655
				Back Side 10mm	0.499	0.140	0.639	0.167	0.533	0.116	0.806	1.288

				Left Edge10mm	0.291	0.000	0.291	0.091	0.474	0.000	0.382	0.765
				Right Edge 10mm	0.026	0.012	0.038	0.009	0.038	0.012	0.047	0.088
				Top Edge 10mm	0.000	0.220	0.220	0.102	0.516	0.072	0.322	0.808
				Bottom Edge 10mm	0.266	0.000	0.266	0.003	0.009	0.000	0.269	0.275
N38	Ant.4	LTE B2	Ant.1	Front Side 10mm	0.020	0.063	0.083	0.088	0.174	0.077	0.171	0.334
				Back Side 10mm	0.137	0.131	0.268	0.167	0.533	0.116	0.435	0.917
				Right Edge 10mm	0.112	0.016	0.128	0.009	0.038	0.012	0.137	0.178
				Top Edge 10mm	0.005	0.186	0.191	0.102	0.516	0.072	0.293	0.779
N38	Ant.4	LTE B4	Ant.1	Front Side 10mm	0.020	0.119	0.139	0.088	0.174	0.077	0.227	0.390
				Back Side 10mm	0.137	0.171	0.308	0.167	0.533	0.116	0.475	0.957
				Right Edge 10mm	0.112	0.027	0.139	0.009	0.038	0.012	0.148	0.189
				Top Edge 10mm	0.005	0.273	0.278	0.102	0.516	0.072	0.380	0.866
N38	Ant.4	LTE B5	Ant.1	Front Side 10mm	0.020	0.255	0.275	0.088	0.174	0.077	0.363	0.526
				Back Side 10mm	0.137	0.266	0.403	0.167	0.533	0.116	0.570	1.052
				Right Edge 10mm	0.112	0.195	0.307	0.009	0.038	0.012	0.316	0.357
				Top Edge 10mm	0.005	0.263	0.268	0.102	0.516	0.072	0.370	0.856
N38	Ant.4	LTE B66	Ant.1	Front Side 10mm	0.020	0.104	0.124	0.088	0.174	0.077	0.212	0.375
				Back Side 10mm	0.137	0.140	0.277	0.167	0.533	0.116	0.444	0.926
				Right Edge 10mm	0.112	0.012	0.124	0.009	0.038	0.012	0.133	0.174
				Top Edge 10mm	0.005	0.220	0.225	0.102	0.516	0.072	0.327	0.813
N41	Ant.1	LTE B2	Ant.0	Front Side 10mm	0.141	0.096	0.237	0.088	0.174	0.077	0.325	0.488
				Back Side 10mm	0.214	0.138	0.352	0.167	0.533	0.116	0.519	1.001
				Left Edge10mm	0.000	0.047	0.047	0.091	0.474	0.063	0.138	0.584
				Right Edge 10mm	0.178	0.023	0.201	0.009	0.038	0.012	0.210	0.251
				Bottom Edge 10mm	0.000	0.191	0.191	0.003	0.009	0.006	0.194	0.206
N41	Ant.1	LTE B26	Ant.0	Front Side 10mm	0.141	0.154	0.295	0.088	0.174	0.077	0.383	0.546
				Back Side 10mm	0.214	0.280	0.494	0.167	0.533	0.116	0.661	1.143
				Left Edge10mm	0.000	0.059	0.059	0.091	0.474	0.063	0.150	0.596
				Right Edge 10mm	0.178	0.090	0.268	0.009	0.038	0.012	0.277	0.318
				Bottom Edge 10mm	0.000	0.154	0.154	0.003	0.009	0.006	0.157	0.169
N41	Ant.1	LTE B41	Ant.0	Front Side 10mm	0.141	0.162	0.303	0.088	0.174	0.077	0.391	0.554
				Back Side 10mm	0.214	0.245	0.459	0.167	0.533	0.116	0.626	1.108
				Left Edge10mm	0.000	0.087	0.087	0.091	0.474	0.063	0.178	0.624
				Right Edge 10mm	0.178	0.012	0.190	0.009	0.038	0.012	0.199	0.240
				Bottom Edge 10mm	0.000	0.122	0.122	0.003	0.009	0.006	0.125	0.137
N41	Ant.1	LTE B66	Ant.0	Front Side 10mm	0.141	0.071	0.212	0.088	0.174	0.077	0.300	0.463
				Back Side 10mm	0.214	0.109	0.323	0.167	0.533	0.116	0.490	0.972
				Left Edge10mm	0.000	0.030	0.030	0.091	0.474	0.063	0.121	0.567

				Right Edge 10mm	0.178	0.021	0.199	0.009	0.038	0.012	0.208	0.249
				Bottom Edge 10mm	0.000	0.193	0.193	0.003	0.009	0.006	0.196	0.208
N41	Ant.4	LTE B2	Ant.0	Front Side 10mm	0.013	0.096	0.109	0.088	0.174	0.077	0.197	0.360
				Back Side 10mm	0.124	0.138	0.262	0.167	0.533	0.116	0.429	0.911
				Left Edge10mm	0.000	0.047	0.047	0.091	0.474	0.063	0.138	0.584
				Right Edge 10mm	0.116	0.023	0.139	0.009	0.038	0.012	0.148	0.189
				Bottom Edge 10mm	0.000	0.191	0.191	0.003	0.009	0.006	0.194	0.206
N41	Ant.4	LTE B26	Ant.0	Front Side 10mm	0.013	0.154	0.167	0.088	0.174	0.077	0.255	0.418
				Back Side 10mm	0.124	0.280	0.404	0.167	0.533	0.116	0.571	1.053
				Left Edge10mm	0.000	0.059	0.059	0.091	0.474	0.063	0.150	0.596
				Right Edge 10mm	0.116	0.090	0.206	0.009	0.038	0.012	0.215	0.256
				Bottom Edge 10mm	0.000	0.154	0.154	0.003	0.009	0.006	0.157	0.169
N41	Ant.4	LTE B41	Ant.0	Front Side 10mm	0.013	0.162	0.175	0.088	0.174	0.077	0.263	0.426
				Back Side 10mm	0.124	0.245	0.369	0.167	0.533	0.116	0.536	1.018
				Left Edge10mm	0.000	0.087	0.087	0.091	0.474	0.063	0.178	0.624
				Right Edge 10mm	0.116	0.012	0.128	0.009	0.038	0.012	0.137	0.178
				Bottom Edge 10mm	0.000	0.122	0.122	0.003	0.009	0.006	0.125	0.137
N41	Ant.4	LTE B66	Ant.0	Front Side 10mm	0.013	0.071	0.084	0.088	0.174	0.077	0.172	0.335
				Back Side 10mm	0.124	0.109	0.233	0.167	0.533	0.116	0.400	0.882
				Left Edge10mm	0.000	0.030	0.030	0.091	0.474	0.063	0.121	0.567
				Right Edge 10mm	0.116	0.021	0.137	0.009	0.038	0.012	0.146	0.187
				Bottom Edge 10mm	0.000	0.193	0.193	0.003	0.009	0.006	0.196	0.208
N41	Ant.0	LTE B2	Ant.1	Front Side 10mm	0.162	0.063	0.225	0.088	0.174	0.077	0.313	0.476
				Back Side 10mm	0.273	0.131	0.404	0.167	0.533	0.116	0.571	1.053
				Left Edge10mm	0.140	0.000	0.140	0.091	0.474	0.000	0.231	0.614
				Right Edge 10mm	0.016	0.016	0.032	0.009	0.038	0.012	0.041	0.082
				Top Edge 10mm	0.000	0.186	0.186	0.102	0.516	0.072	0.288	0.774
				Bottom Edge 10mm	0.137	0.000	0.137	0.003	0.009	0.000	0.140	0.146
N41	Ant.0	LTE B26	Ant.1	Front Side 10mm	0.162	0.201	0.363	0.088	0.174	0.077	0.451	0.614
				Back Side 10mm	0.273	0.257	0.530	0.167	0.533	0.116	0.697	1.179
				Left Edge10mm	0.140	0.000	0.140	0.091	0.474	0.000	0.231	0.614
				Right Edge 10mm	0.016	0.168	0.184	0.009	0.038	0.012	0.193	0.234
				Top Edge 10mm	0.000	0.275	0.275	0.102	0.516	0.072	0.377	0.863
				Bottom Edge 10mm	0.137	0.000	0.137	0.003	0.009	0.000	0.140	0.146
N41	Ant.0	LTE B41	Ant.1	Front Side 10mm	0.162	0.133	0.295	0.088	0.174	0.077	0.383	0.546
				Back Side 10mm	0.273	0.265	0.538	0.167	0.533	0.116	0.705	1.187
				Left Edge10mm	0.140	0.000	0.140	0.091	0.474	0.000	0.231	0.614
				Right Edge 10mm	0.016	0.199	0.215	0.009	0.038	0.012	0.224	0.265

				Top Edge 10mm	0.000	0.393	0.393	0.102	0.516	0.072	0.495	0.981
				Bottom Edge 10mm	0.137	0.000	0.137	0.003	0.009	0.000	0.140	0.146
N41	Ant.0	LTE B66	Ant. 1	Front Side 10mm	0.162	0.104	0.266	0.088	0.174	0.077	0.354	0.517
				Back Side 10mm	0.273	0.140	0.413	0.167	0.533	0.116	0.580	1.062
				Left Edge 10mm	0.140	0.000	0.140	0.091	0.474	0.000	0.231	0.614
				Right Edge 10mm	0.016	0.012	0.028	0.009	0.038	0.012	0.037	0.078
				Top Edge 10mm	0.000	0.220	0.220	0.102	0.516	0.072	0.322	0.808
				Bottom Edge 10mm	0.137	0.000	0.137	0.003	0.009	0.000	0.140	0.146
N41	Ant.4	LTE B2	Ant. 1	Front Side 10mm	0.013	0.063	0.076	0.088	0.174	0.077	0.164	0.327
				Back Side 10mm	0.124	0.131	0.255	0.167	0.533	0.116	0.422	0.904
				Right Edge 10mm	0.116	0.016	0.132	0.009	0.038	0.012	0.141	0.182
				Top Edge 10mm	0.005	0.186	0.191	0.102	0.516	0.072	0.293	0.779
N41	Ant.4	LTE B26	Ant. 1	Front Side 10mm	0.013	0.201	0.214	0.088	0.174	0.077	0.302	0.465
				Back Side 10mm	0.124	0.257	0.381	0.167	0.533	0.116	0.548	1.030
				Right Edge 10mm	0.116	0.168	0.284	0.009	0.038	0.012	0.293	0.334
				Top Edge 10mm	0.005	0.275	0.280	0.102	0.516	0.072	0.382	0.868
N41	Ant.4	LTE B41	Ant. 1	Front Side 10mm	0.013	0.133	0.146	0.088	0.174	0.077	0.234	0.397
				Back Side 10mm	0.124	0.265	0.389	0.167	0.533	0.116	0.556	1.038
				Right Edge 10mm	0.116	0.199	0.315	0.009	0.038	0.012	0.324	0.365
				Top Edge 10mm	0.005	0.393	0.398	0.102	0.516	0.072	0.500	0.986
N41	Ant.4	LTE B66	Ant. 1	Front Side 10mm	0.013	0.104	0.117	0.088	0.174	0.077	0.205	0.368
				Back Side 10mm	0.124	0.140	0.264	0.167	0.533	0.116	0.431	0.913
				Right Edge 10mm	0.116	0.012	0.128	0.009	0.038	0.012	0.137	0.178
				Top Edge 10mm	0.005	0.220	0.225	0.102	0.516	0.072	0.327	0.813

Note:

- 1: The simultaneous transmission combinations of more antennas contain combinations of less antennas, so only the worst simultaneous transmission combinations was shown in this table.
- 2: The highest Summed 1g SAR is 1.499 W/Kg < 1.6 W/kg, so Simultaneous Transmission SAR test is not required.

13.2.10 Head Simultaneous Transmission SAR Evaluation for Only WLAN and Bluetooth

Position	Stand alone SAR					SUM SAR
	1				2	
	5.3GWIFI	5.6GWIFI	5.8GWIFI	Max. 5GWIFI	BT	
	LEVEL1	LEVEL1	LEVEL1	LEVEL1		1+2
Left Cheek	0.871	0.507	0.518	0.871	0.406	1.277
Left Tilt	0.738	0.589	0.554	0.738	0.278	1.016
Right Cheek	0.236	0.403	0.372	0.403	0.165	0.568
Right Tilt	0.285	0.377	0.459	0.459	0.166	0.625

Note:

1: The simultaneous transmission combinations of the three 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 1.277 W/Kg < 1.6 W/kg, so Simultaneous Transmission SAR test is not required.

13.2.11 Body Worn Simultaneous Transmission SAR Evaluation for Only WLAN and Bluetooth

Position	Stand alone SAR		SUM SAR
	1	2	
	MAX.5GWIFI	BT	
	LEVEL3		1+2
Front Side 15mm	0.195	0.014	0.209
Back Side 15mm	0.637	0.058	0.695

Note:

1: The simultaneous transmission combinations of the three 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 0.695 W/Kg < 1.6 W/kg, so Simultaneous Transmission SAR test is not required.

13.2.12 Hotspot Simultaneous Transmission SAR Evaluation for Only WLAN and Bluetooth

Position	Stand alone SAR				SUM SAR
	1			2	
	5.2GWIFI-MIMO	5.8GWIFI-MIMO	MAX.5GWIFI	BT	WIFI5G+BT
	LEVEL3	LEVEL3	LEVEL3		1+2
Front Side 10mm	0.325	0.111	0.325	0.077	0.402
Back Side 10mm	1.032	0.476	1.032	0.116	1.148
Left Edge10mm	0.856	0.178	0.856	0.063	0.919
Right Edge 10mm	0.077	0.015	0.077	0.012	0.089
Top Edge 10mm	0.956	0.441	0.956	0.072	1.028
Bottom Edge 10mm	0.013	0.007	0.013	0.006	0.019

Note:

1: The simultaneous transmission combinations of the three 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 1.148 W/Kg < 1.6 W/kg, so Simultaneous Transmission SAR test is not required.

14 TEST EQUIPMENTS LIST

Description	Manufacturer	Model	Serial No./Version	Cal. Date	Cal. Due
PC	Dell	N/A	N/A	N/A	N/A
Test Software	Speag	DASY5	52.8.8.1222	N/A	N/A
750MHz Validation Dipole	Speag	D750V3	SN: 1201	2020/11/11	2023/11/10
835MHz Validation Dipole	Speag	D835V2	SN: 4d187	2021/05/17	2024/05/16
1750MHz Validation Dipole	Speag	D1750V2	SN: 1130	2021/05/17	2024/05/16
1900MHz Validation Dipole	Speag	D1900V2	SN: 5d193	2021/05/20	2024/05/19
2450MHz Validation Dipole	Speag	D2450V2	SN: 952	2021/05/19	2024/05/18
2600MHz Validation Dipole	Speag	D2600V2	SN: 1095	2021/05/19	2024/05/18
5GHz Validation Dipole	Speag	D5GHZV2	SN: 1200	2021/05/18	2024/05/17
E-Field Probe	Speag	EX3DV4	SN: 7510	2023/01/19	2024/01/18
Data Acquisition Electronicsr	Speag	DAE4	SN: 1710	2023/01/30	2024/01/29
E-Field Probe	Speag	EX3DV4	SN: 7607	2022/07/04	2023/07/03
Data Acquisition Electronicsr	Speag	DAE4	SN: 878	2023/03/23	2024/03/22
Signal Generator	R&S	SMB100A	177746	2023/05/10	2024/05/09
Signal Generator	R&S	SMB100A	182396	2022/09/06	2023/09/05
Power Meter	R&S	NRVD-B2	7250BJ-0112/2011	2022/09/06	2023/09/05
Power Sensor	R&S	NRV-Z4	100381	2022/09/06	2023/09/05
Power Sensor	R&S	NRV-Z2	100211	2022/09/06	2023/09/05
Wireless Communication Test Set	Anritsu	MT8820C	6201502974	2022/12/28	2023/12/27
Wireless Communication Test Set	Anritsu	MT8820C	6201502991	2022/12/27	2023/12/26
Network Analyzer	Agilent	E5071C	MY46103472	2022/12/06	2023/12/05
Thermometer	Elitech	RC-4HC	EF720B004811	2022/11/25	2023/11/24
Thermometer	Elitech	RC-4HC	EF720B004817	2022/11/18	2023/11/17
Thermometer	Elitech	RC-4HC	EF7225003030	2022/08/31	2023/08/30
Thermometer	Elitech	RC-4HC	EF7225003029	2022/08/31	2023/08/30
Power Amplifier	SATIMO	6552B	22374	N/A	N/A
Dielectric Probe Kit	Speag	DAK3.5	SN: 1312	N/A	N/A
Phantom	Speag	SAM	SN: 1857	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-UD C	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.

Description	Manufacturer	Model	Serial No./Version	Cal. Date	Cal. Due
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 (%)
2023.05.27	Head	750	21.1	0.91	41.96	0.89	41.94	2.25	0.05
2023.05.28	Head	750	21.2	0.91	40.89	0.89	41.94	2.25	-2.50
2023.05.29	Head	835	21.1	0.90	41.09	0.90	41.50	0.00	-0.99
2023.05.30	Head	835	21.2	0.89	41.87	0.90	41.50	-1.11	0.89
2023.05.31	Head	835	21.2	0.91	41.51	0.90	41.50	1.11	0.02
2023.06.01	Head	835	21.1	0.89	41.92	0.90	41.50	-1.11	1.01
2023.06.02	Head	1750	21.1	1.39	39.57	1.37	40.08	1.46	-1.27
2023.06.03	Head	1750	21.3	1.38	39.03	1.37	40.08	0.73	-2.62
2023.06.04	Head	1750	21.1	1.36	39.17	1.37	40.08	-0.73	-2.27
2023.06.05	Head	1750	21.2	1.40	40.20	1.37	40.08	2.19	0.30
2023.06.06	Head	1750	21.2	1.40	40.58	1.37	40.08	2.19	1.25
2023.06.07	Head	1750	21.5	1.35	39.37	1.37	40.08	-1.46	2.05
2023.06.08	Head	1900	21.4	1.40	40.44	1.40	40.00	0.00	1.10
2023.06.09	Head	1900	21.4	1.38	38.62	1.40	40.00	-1.43	-3.45
2023.06.10	Head	1900	21.1	1.37	38.74	1.40	40.00	-2.14	-3.15
2023.06.11	Head	2600	21.2	2.00	37.86	1.96	39.01	2.04	-2.95
2023.06.12	Head	2600	21.3	1.90	39.44	1.96	39.01	-3.06	1.10
2023.06.13	Head	2600	21.1	1.95	38.74	1.96	39.01	-0.51	-0.69
2023.06.14	Head	2600	21.3	1.95	38.10	1.96	39.01	-0.51	-2.33
2023.06.15	Head	2600	21.3	2.01	39.14	1.96	39.01	2.55	0.33
2023.06.16	Head	2600	21.4	1.99	39.05	1.96	39.01	1.53	0.10
2023.06.17	Head	2600	21.4	1.93	39.51	1.96	39.01	-1.53	1.28
2023.06.18	Head	2600	21.6	2.01	38.03	1.96	39.01	2.55	-2.51
2023.06.19	Head	2600	21.2	1.99	39.04	1.96	39.01	1.53	0.08
2023.06.20	Head	2600	21.4	1.93	37.99	1.96	39.01	-1.53	-2.61
2023.06.06	Head	2600	21.1	1.95	38.18	1.96	39.01	3.57	-0.79
2023.06.07	Head	2600	21.2	1.93	37.71	1.96	39.01	-1.53	-3.33
2023.06.08	Head	2600	21.1	1.93	38.19	1.96	39.01	-1.53	-2.10
2023.06.09	Head	2600	21.3	1.97	39.99	1.96	39.01	0.51	2.51
2023.06.10	Head	2600	21.4	1.99	37.93	1.96	39.01	2.55	-1.97
2023.06.11	Head	5250	21.2	4.63	35.57	4.71	35.93	-1.70	-1.00
2023.06.12	Head	5600	21.4	5.00	36.53	5.07	35.53	-1.38	2.81

2023.06.13	Head	5750	21.4	5.07	36.21	5.22	35.36	-2.87	2.40
2023.06.14	Head	2450	21.2	1.81	38.35	1.80	39.20	0.56	-2.17

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 (%)
2023.05.27	Head	750	100	0.83	8.31	8.29	0.24
2023.05.28	Head	750	100	0.81	8.05	8.29	-2.90
2023.05.29	Head	835	100	0.92	9.21	9.76	-5.64
2023.05.30	Head	835	100	0.93	9.28	9.76	-4.92
2023.05.31	Head	835	100	0.93	9.32	9.76	-4.51
2023.06.01	Head	835	100	0.99	9.91	9.76	1.54
2023.06.02	Head	1750	100	3.73	37.30	36.7	1.63
2023.06.03	Head	1750	100	3.66	36.60	36.7	-0.27
2023.06.04	Head	1750	100	3.75	37.50	36.7	2.18
2023.06.05	Head	1750	100	3.77	37.70	36.7	2.72
2023.06.06	Head	1750	100	3.85	38.50	36.7	4.90
2023.06.07	Head	1750	100	3.72	37.20	36.7	1.36
2023.06.08	Head	1900	100	3.95	39.50	40.3	-1.99
2023.06.09	Head	1900	100	4.11	41.10	40.3	1.99
2023.06.10	Head	1900	100	4.15	41.50	40.3	2.98
2023.06.11	Head	2600	100	5.66	56.60	56.8	-0.35
2023.06.12	Head	2600	100	5.44	54.40	56.8	-4.23
2023.06.13	Head	2600	100	5.56	55.60	56.8	-2.11
2023.06.14	Head	2600	100	5.47	54.70	56.8	-3.70
2023.06.15	Head	2600	100	5.42	54.20	56.8	-4.58
2023.06.16	Head	2600	100	5.88	58.80	56.8	3.52
2023.06.17	Head	2600	100	5.92	59.20	56.8	4.23
2023.06.18	Head	2600	100	6.03	60.30	56.8	6.16
2023.06.19	Head	2600	100	5.77	57.70	56.8	1.58
2023.06.20	Head	2600	100	5.73	57.30	56.8	0.88
2023.06.06	Head	2600	100	5.47	54.70	56.8	-3.70
2023.06.07	Head	2600	100	5.38	53.80	56.8	-5.28
2023.06.08	Head	2600	100	5.57	55.70	56.8	-1.94
2023.06.09	Head	2600	100	5.73	57.30	56.8	0.88
2023.06.10	Head	2600	100	5.44	54.40	56.8	-4.23
2023.06.11	Head	5250	100	7.89	78.90	77.8	1.41
2023.06.12	Head	5600	100	8.11	81.10	81.2	-0.12
2023.06.13	Head	5750	100	7.99	79.90	77.2	3.50
2023.06.14	Head	2450	100	5.38	53.80	53	1.51

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 (%)
2023.06.02	1750	100	2.01	20.10	19.10	5.24
2023.06.03	1750	100	1.95	19.50	19.10	2.09
2023.06.04	1750	100	1.99	19.90	19.10	4.19
2023.06.05	1750	100	1.88	18.80	19.10	-1.57
2023.06.06	1750	100	1.91	19.10	19.10	0.00
2023.06.07	1750	100	1.83	18.30	19.10	-4.19
2023.06.11	2600	100	2.38	23.80	24.80	-4.03
2023.06.12	2600	100	2.53	25.30	24.80	2.02
2023.06.13	2600	100	2.61	26.10	24.80	5.24
2023.06.14	2600	100	2.41	24.10	24.80	-2.82
2023.06.15	2600	100	2.32	23.20	24.80	-6.45
2023.06.16	2600	100	2.54	25.40	24.80	2.42
2023.06.17	2600	100	2.48	24.80	24.80	0.00
2023.06.18	2600	100	2.58	25.80	24.80	4.03
2023.06.19	2600	100	2.55	25.50	24.80	2.82
2023.06.20	2600	100	2.59	25.90	24.80	4.44
2023.06.06	2600	100	2.48	24.80	24.80	0.00
2023.06.07	2600	100	2.36	23.60	24.80	-4.84
2023.06.08	2600	100	2.46	24.60	24.80	-0.81
2023.06.09	2600	100	2.48	24.80	24.80	0.00
2023.06.10	2600	100	2.54	25.40	24.80	2.42
2023.06.11	5250	100	2.18	21.80	22.10	-1.36

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

System Performance Check Data (750MHz)

Date: 2023.05.27

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

Medium parameters used (extrapolated): $f = 750$ MHz; $\sigma = 0.908$ S/m; $\epsilon_r = 41.957$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.1°C Liquid Temperature: 21.1°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(10.4, 10.4, 10.4); Calibrated: 2023.01.19;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2023.01.30
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

Maximum value of SAR (interpolated) = 0.908 W/kg

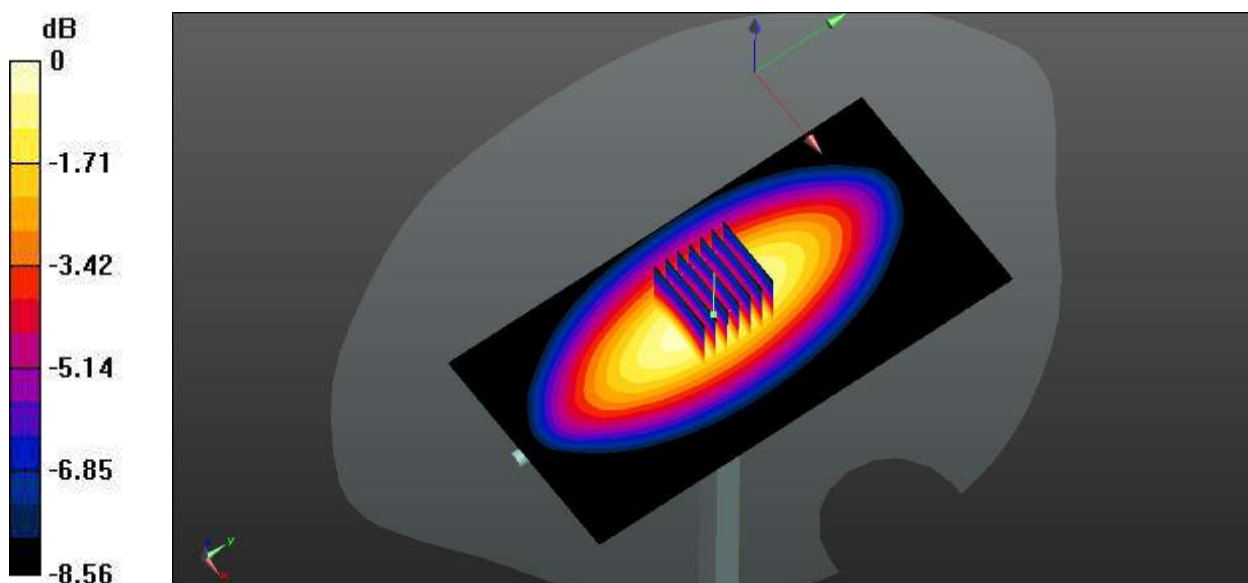
CW 750/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 31.08 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 1.38 W/kg

SAR(1 g) = 0.831 W/kg; SAR(10 g) = 0.552 W/kg

Maximum value of SAR (measured) = 0.931 W/kg



0 dB = 0.931 W/kg

System Performance Check Data (750MHz)

Date: 2023.05.28

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

Medium parameters used (extrapolated): $f = 750$ MHz; $\sigma = 0.906$ S/m; $\epsilon_r = 40.888$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.4°C Liquid Temperature: 21.2°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(10.4, 10.4, 10.4); Calibrated: 2023.01.19;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2023.01.30
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

Maximum value of SAR (interpolated) = 0.855 W/kg

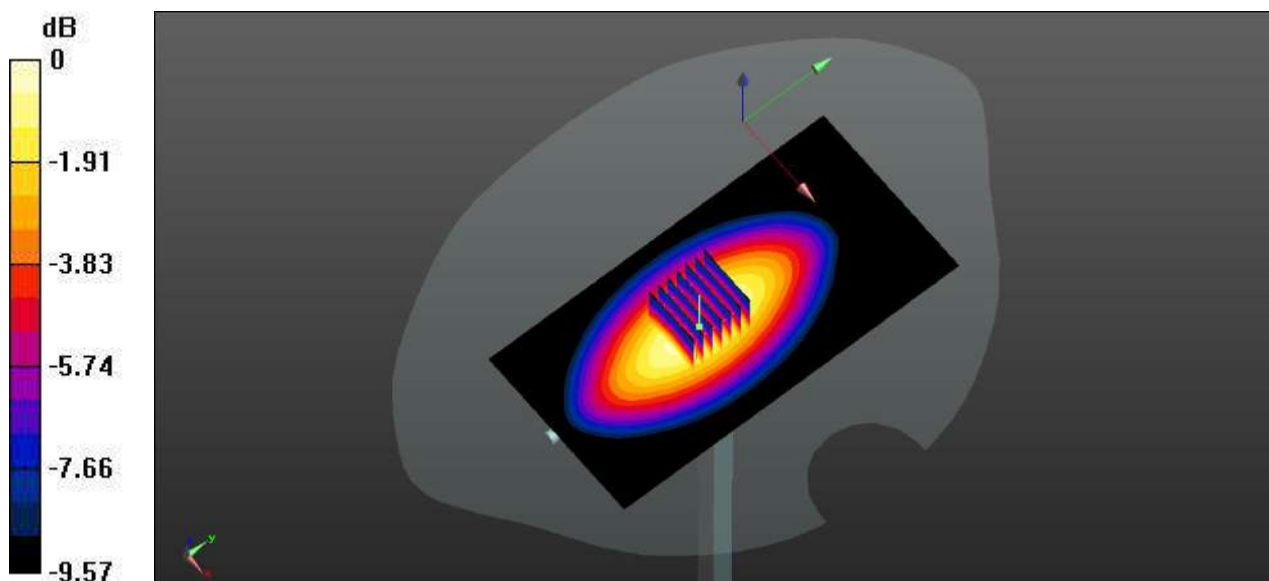
CW 750/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 28.33 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 1.11 W/kg

SAR(1 g) = 0.805 W/kg; SAR(10 g) = 0.533 W/kg

Maximum value of SAR (measured) = 0.852 W/kg



0 dB = 0.852 W/kg

System Performance Check Data (835MHz)

Date: 2023.05.29

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

Medium parameters used: $f = 835$ MHz; $\sigma = 0.896$ S/m; $\epsilon_r = 40.888$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.4°C Liquid Temperature: 21.1°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(9.97, 9.97, 9.97); Calibrated: 2023.01.19;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2023.01.30
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- 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) = 0.911 W/kg

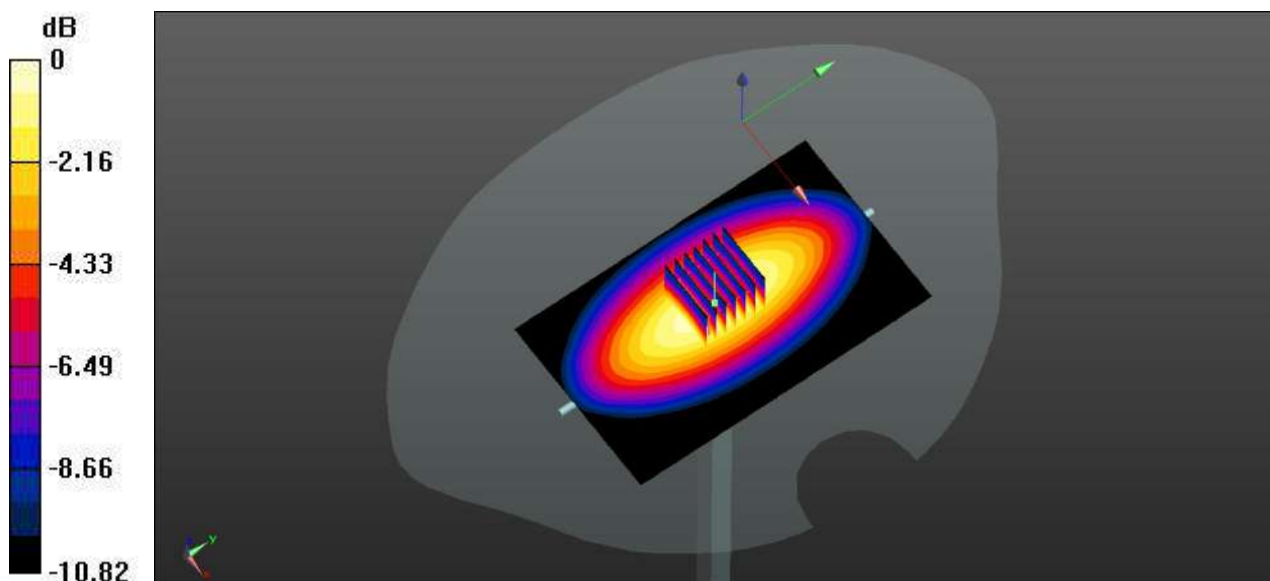
CW 835/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 33.51 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 1.36 W/kg

SAR(1 g) = 0.921 W/kg; SAR(10 g) = 0.595 W/kg

Maximum value of SAR (measured) = 0.958 W/kg



0 dB = 0.958 W/kg

System Performance Check Data (835MHz)

Date: 2023.05.30

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

Medium parameters used: $f = 835$ MHz; $\sigma = 0.885$ S/m; $\epsilon_r = 41.865$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.2°C Liquid Temperature: 21.2°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(9.97, 9.97, 9.97); Calibrated: 2023.01.19;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2023.01.30
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- 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) = 0.967 W/kg

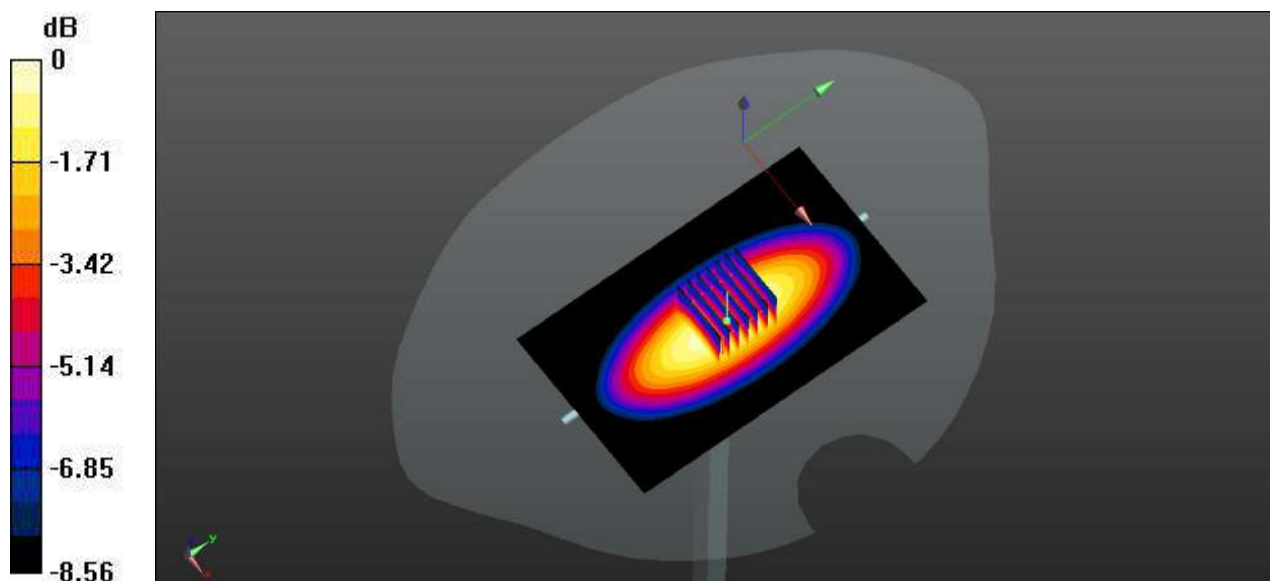
CW 835/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 31.11 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 1.25 W/kg

SAR(1 g) = 0.928 W/kg; SAR(10 g) = 0.637 W/kg

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



0 dB = 0.93 W/kg

System Performance Check Data (835MHz)

Date: 2023.05.31

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

Medium parameters used: $f = 835 \text{ MHz}$; $\sigma = 0.911 \text{ S/m}$; $\epsilon_r = 41.512$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient Temperature: 22.3°C Liquid Temperature: 21.2°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(9.97, 9.97, 9.97); Calibrated: 2023.01.19;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2023.01.30
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW 835/Area Scan (61x101x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.984 W/kg

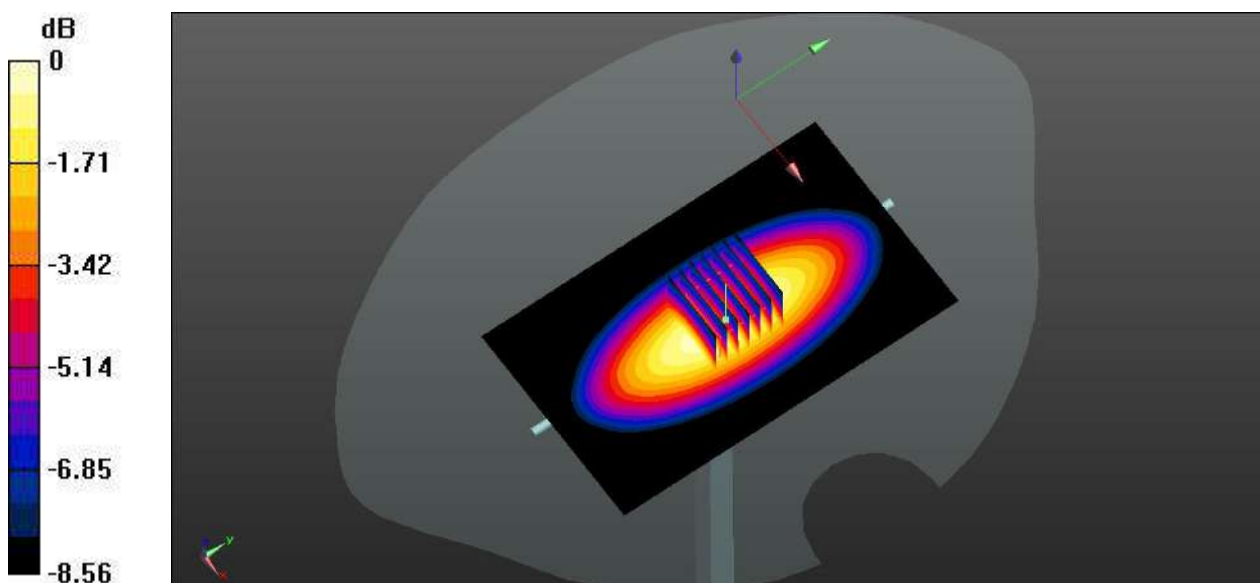
CW 835/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 31.14 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 1.26 W/kg

SAR(1 g) = 0.933 W/kg; SAR(10 g) = 0.615 W/kg

Maximum value of SAR (measured) = 0.956 W/kg



0 dB = 0.956 W/kg

System Performance Check Data (835MHz)

Date: 2023.06.01

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

Medium parameters used: $f = 835 \text{ MHz}$; $\sigma = 0.891 \text{ S/m}$; $\epsilon_r = 41.919$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient Temperature: 22.5°C Liquid Temperature: 21.1°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(9.97, 9.97, 9.97); Calibrated: 2023.01.19;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2023.01.30
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW 835/Area Scan (61x81x1): Interpolated grid: $dx=1.200 \text{ mm}$, $dy=1.200 \text{ mm}$

Maximum value of SAR (interpolated) = 1.15 W/kg

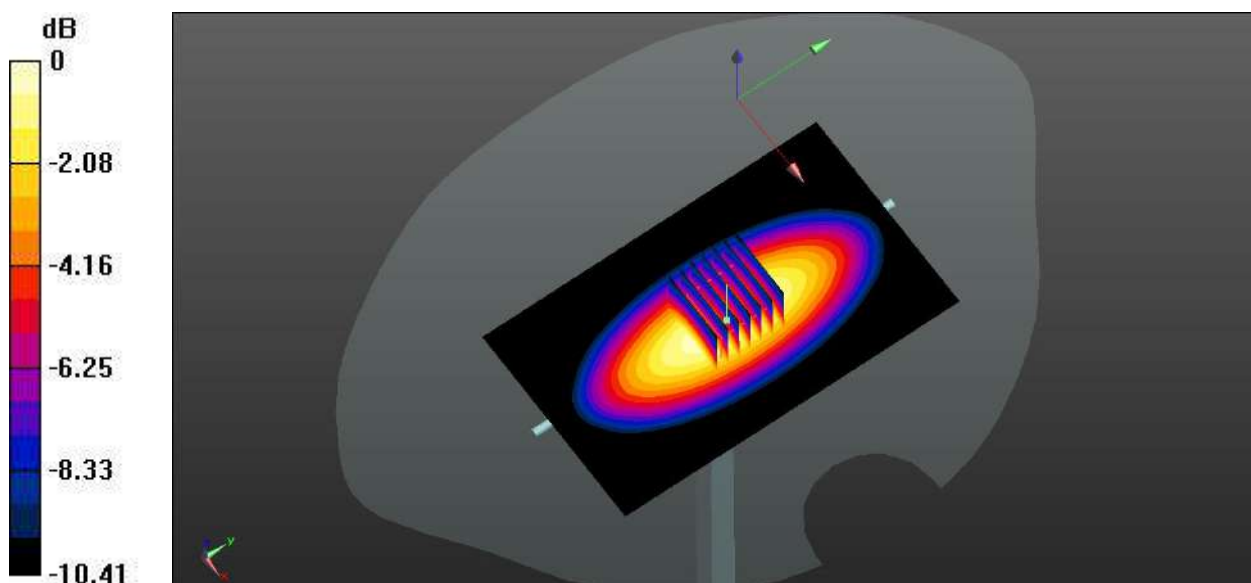
CW 835/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 34.67 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 1.49 W/kg

SAR(1 g) = 0.991 W/kg; SAR(10 g) = 0.653 W/kg

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



0 dB = 1.18 W/kg

System Performance Check Data (1750MHz)

Date: 2023.06.02

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

Medium parameters used: $f = 1750$ MHz; $\sigma = 1.390$ S/m; $\epsilon_r = 39.571$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.7°C Liquid Temperature: 21.1°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(8.65, 8.65, 8.65); Calibrated: 2023.01.19;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2023.01.30
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- 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) = 4.27 W/kg

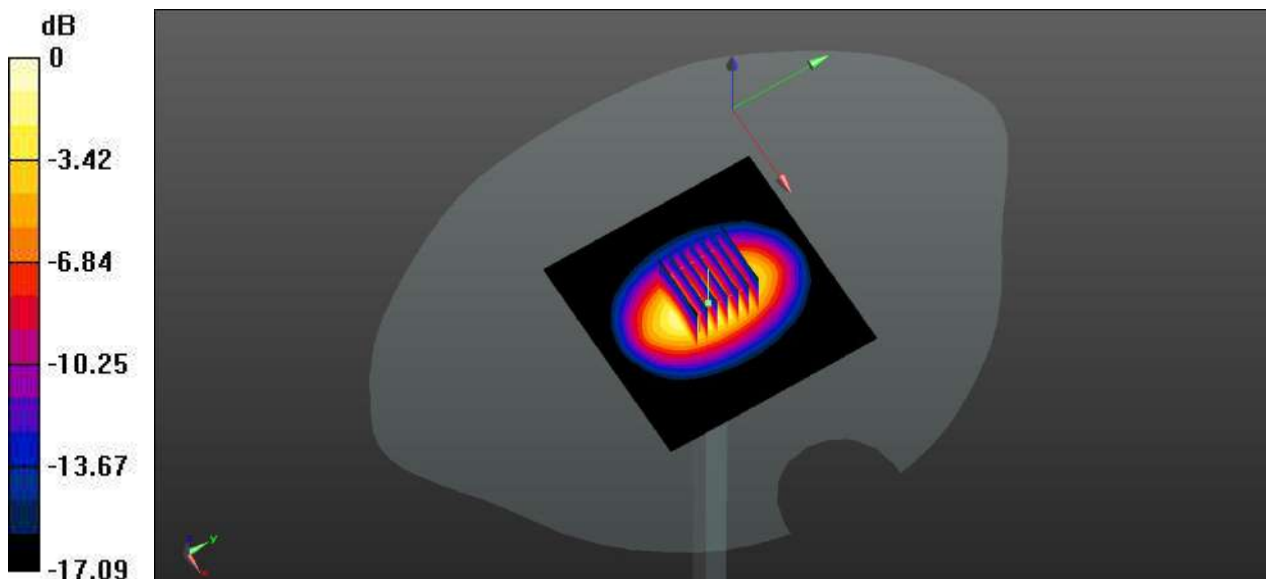
CW 1750/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 56.31 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 7.05 W/kg

SAR(1 g) = 3.73 W/kg; SAR(10 g) = 2.01 W/kg

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



0 dB = 4.38 W/kg

System Performance Check Data (1750MHz)

Date: 2023.06.03

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

Medium parameters used: $f = 1750$ MHz; $\sigma = 1.384$ S/m; $\epsilon_r = 39.033$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.1°C Liquid Temperature: 21.3°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(8.65, 8.65, 8.65); Calibrated: 2023.01.19;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2023.01.30
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- 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) = 4.15 W/kg

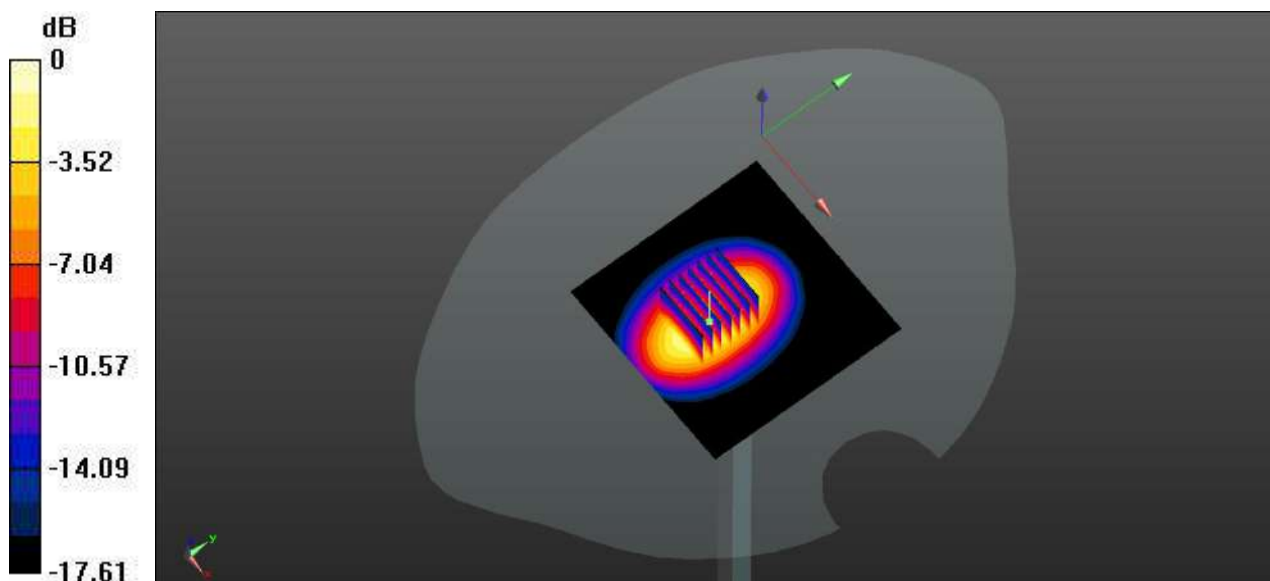
CW 1750/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 48.57 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 6.83 W/kg

SAR(1 g) = 3.66 W/kg; SAR(10 g) = 1.95 W/kg

Maximum value of SAR (measured) = 4.31 W/kg



0 dB = 4.31 W/kg

System Performance Check Data (1750MHz)

Date: 2023.06.04

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

Medium parameters used (interpolated): $f = 1750$ MHz; $\sigma = 1.364$ S/m; $\epsilon_r = 39.167$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.6°C Liquid Temperature: 21.1°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(8.65, 8.65, 8.65); Calibrated: 2023.01.19;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2023.01.30
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW1750/Area Scan (101x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 4.24 W/kg

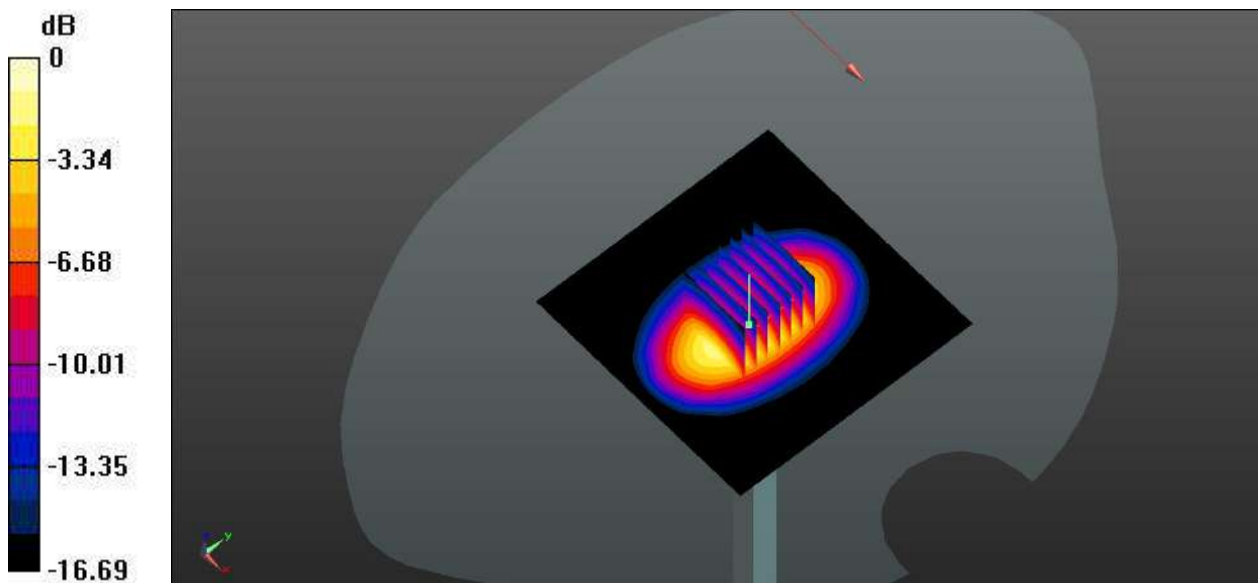
CW1750/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 54.95 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 7.15W/kg

SAR(1 g) = 3.75 W/kg; SAR(10 g) = 1.99 W/kg

Maximum value of SAR (measured) = 4.08 W/kg



0 dB = 4.08 W/kg

System Performance Check Data (1750MHz)

Date: 2023.06.05

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

Medium parameters used: $f = 1750$ MHz; $\sigma = 1.402$ S/m; $\epsilon_r = 40.2$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.2°C Liquid Temperature: 21.2°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(8.65, 8.65, 8.65); Calibrated: 2023.01.19;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2023.01.30
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- 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) = 4.18 W/kg

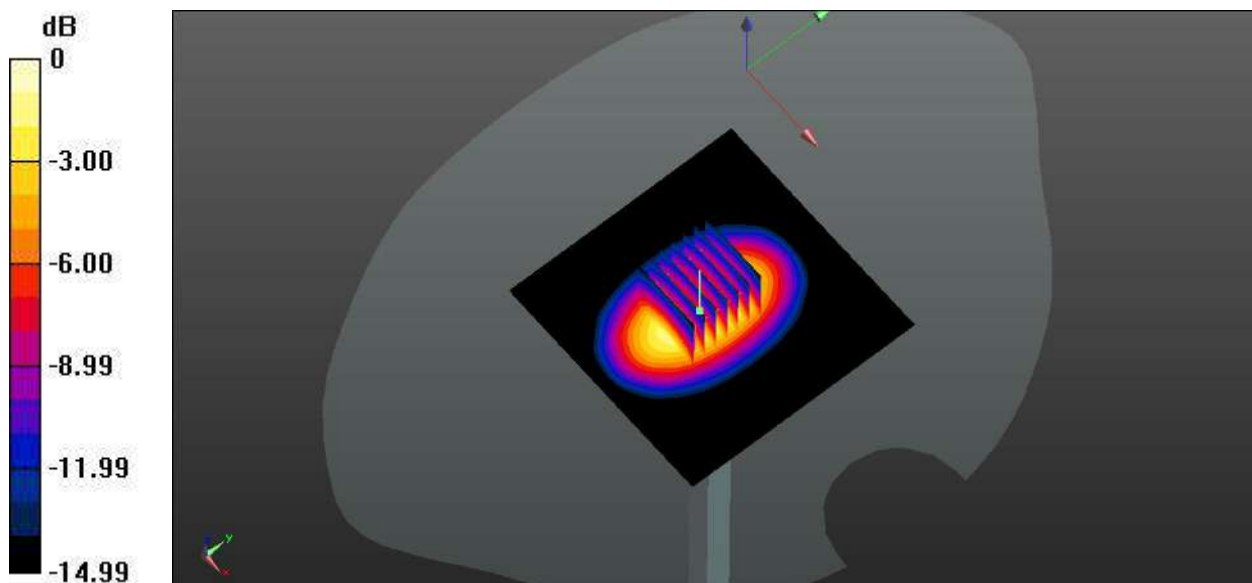
CW 1750/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 54.58 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 6.31 W/kg

SAR(1 g) = 3.77 W/kg; SAR(10 g) = 1.88 W/kg

Maximum value of SAR (measured) = 4.08 W/kg



0 dB = 4.08 W/kg

System Performance Check Data (1750MHz)

Date: 2023.06.06

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

Medium parameters used (interpolated): $f = 1750$ MHz; $\sigma = 1.403$ S/m; $\epsilon_r = 40.581$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(8.65, 8.65, 8.65); Calibrated: 2023.01.19;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2023.01.30
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- 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) = 4.23 W/kg

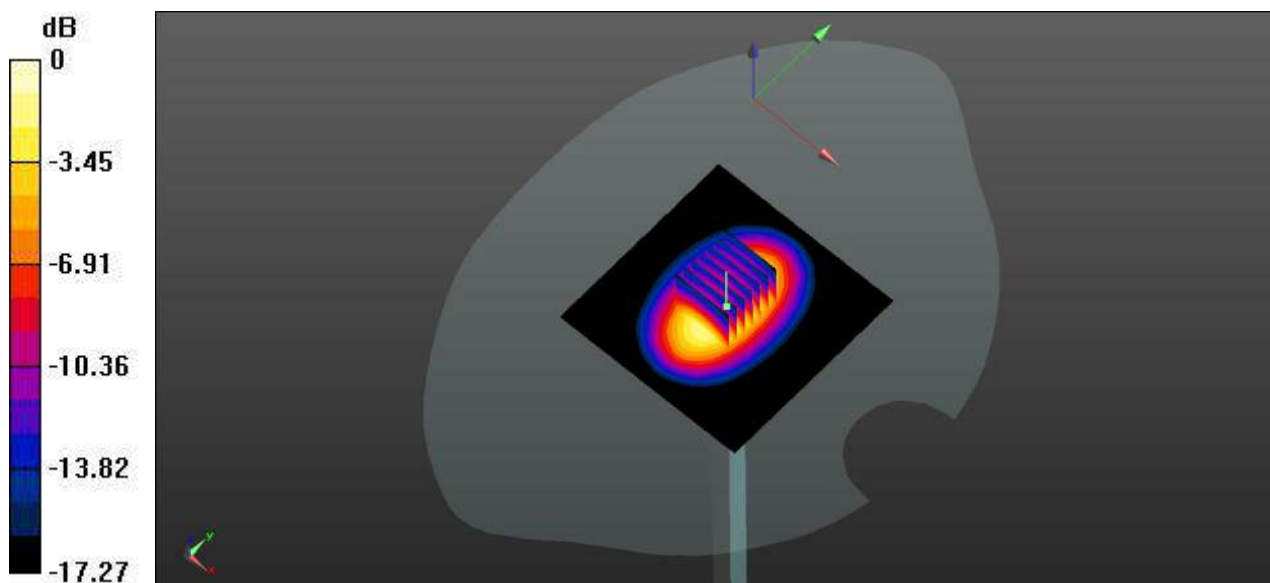
CW 1750/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 54.23 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 6.87 W/kg

SAR(1 g) = 3.85 W/kg; SAR(10 g) = 1.91 W/kg

Maximum value of SAR (measured) = 4.24 W/kg



0 dB = 4.24 W/kg

System Performance Check Data (1750MHz)

Date: 2023.06.07

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

Medium parameters used: $f = 1750$ MHz; $\sigma = 1.345$ S/m; $\epsilon_r = 39.367$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.1°C Liquid Temperature: 21.5°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(8.65, 8.65, 8.65); Calibrated: 2023.01.19;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2023.01.30
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- 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) = 4.11 W/kg

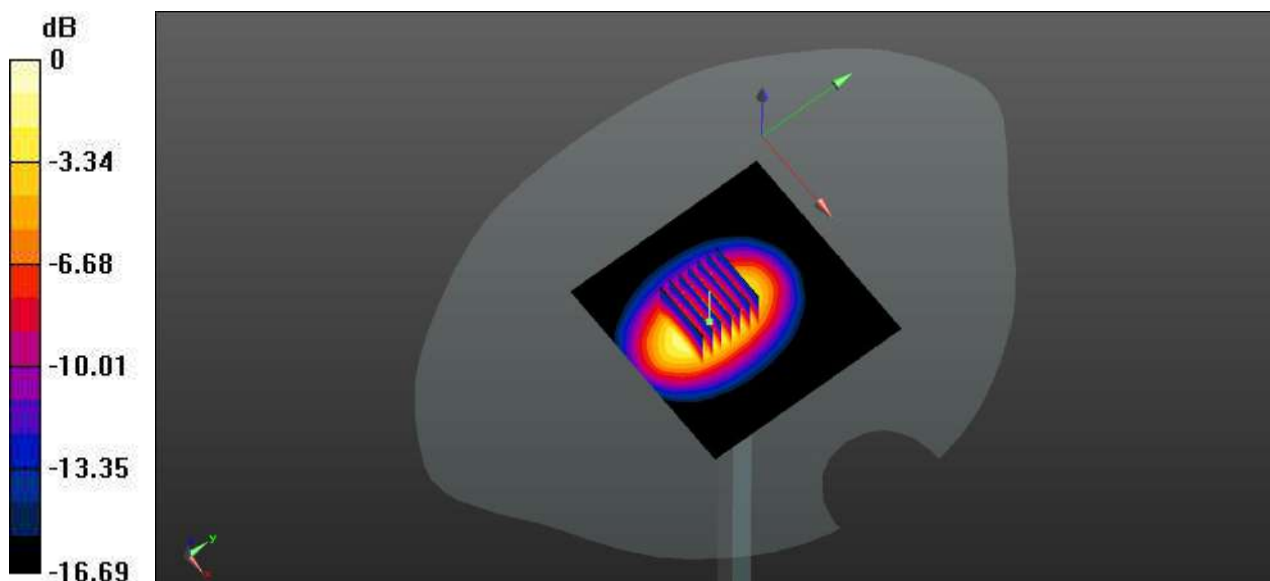
CW 1750/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 48.47 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 6.35 W/kg

SAR(1 g) = 3.72 W/kg; SAR(10 g) = 1.83 W/kg

Maximum value of SAR (measured) = 4.01 W/kg



0 dB = 4.01 W/kg

System Performance Check Data (1900MHz)

Date: 2023.06.08

Communication System Band: D1900 (1900.0 MHz); Frequency: 1900 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1900$ MHz; $\sigma = 1.402$ S/m; $\epsilon_r = 40.436$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.3°C Liquid Temperature: 21.4°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(8.21, 8.21, 8.21); Calibrated: 2023.01.19;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2023.01.30
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW 1900 100mw/Area Scan (101x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 4.24 W/kg

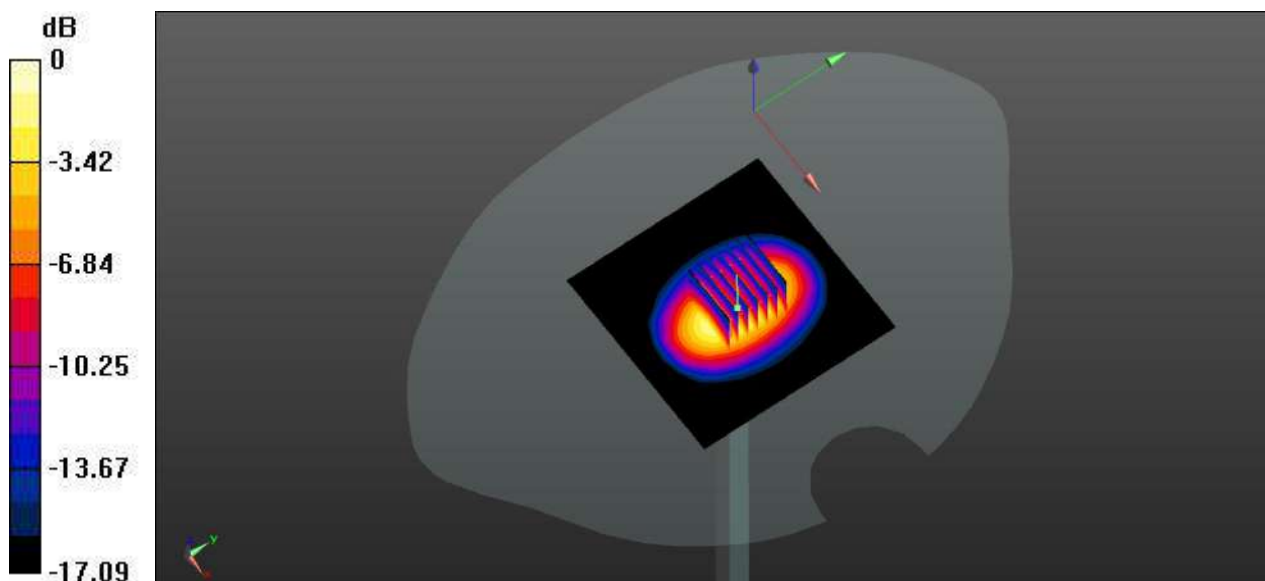
CW 1900 100mw/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 53.52 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 7.26 W/kg

SAR(1 g) = 3.95 W/kg; SAR(10 g) = 2.11 W/kg

Maximum value of SAR (measured) = 4.27 W/kg



0 dB = 4.27 W/kg

System Performance Check Data (1900MHz)

Date: 2023.06.09

Communication System Band: D1900 (1900.0 MHz); Frequency: 1900 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1900$ MHz; $\sigma = 1.384$ S/m; $\epsilon_r = 38.620$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.4°C Liquid Temperature: 21.4°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(8.21, 8.21, 8.21); Calibrated: 2023.01.19;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2023.01.30
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW 1900 100mw/Area Scan (101x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 4.73 W/kg

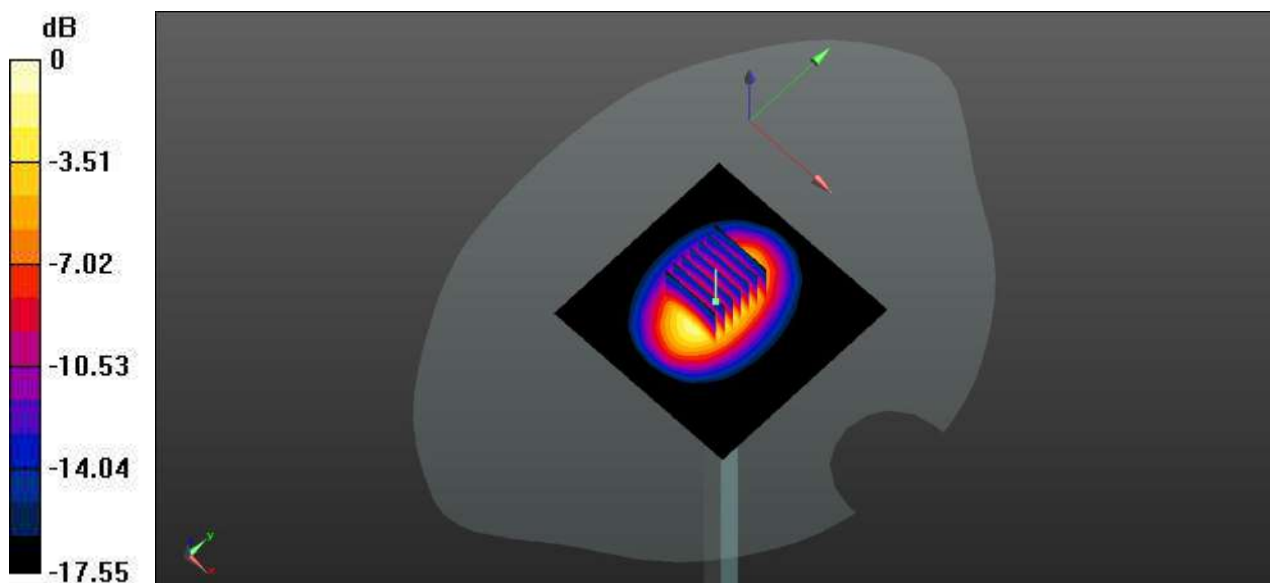
CW 1900 100mw/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 55.18 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 8.08 W/kg

SAR(1 g) = 4.11 W/kg; SAR(10 g) = 2.05W/kg

Maximum value of SAR (measured) = 4.68 W/kg



0 dB = 4.68 W/kg

System Performance Check Data (1900MHz)

Date: 2023.06.10

Communication System Band: D1900 (1900.0 MHz); Frequency: 1900 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1900 \text{ MHz}$; $\sigma = 1.367 \text{ S/m}$; $\epsilon_r = 38.740$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient Temperature: 22.3°C Liquid Temperature: 21.1°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(8.21, 8.21, 8.21); Calibrated: 2023.01.19;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2023.01.30
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW 1900 100mW/Area Scan (101x101x1): Interpolated grid: $dx=1.000 \text{ mm}$, $dy=1.000 \text{ mm}$

Maximum value of SAR (interpolated) = 4.63 W/kg

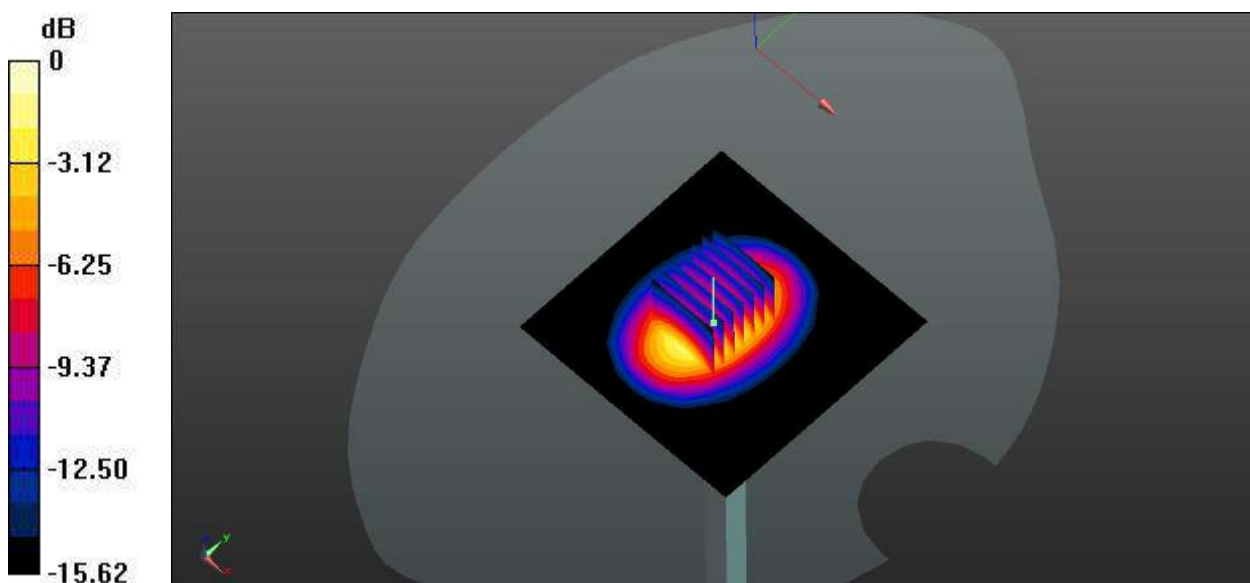
CW 1900 100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 55.25 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 7.31 W/kg

SAR(1 g) = 4.15 W/kg; SAR(10 g) = 2.13 W/kg

Maximum value of SAR (measured) = 4.41 W/kg



0 dB = 4.41 W/kg

System Performance Check Data (2600MHz)

Date: 2023.06.11

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

Medium parameters used (extrapolated): $f = 2600$ MHz; $\sigma = 1.999$ S/m; $\epsilon_r = 37.856$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.2°C Liquid Temperature: 21.2°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.6, 7.6, 7.6); Calibrated: 2023.01.19;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2023.01.30
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- 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) = 6.47 W/kg

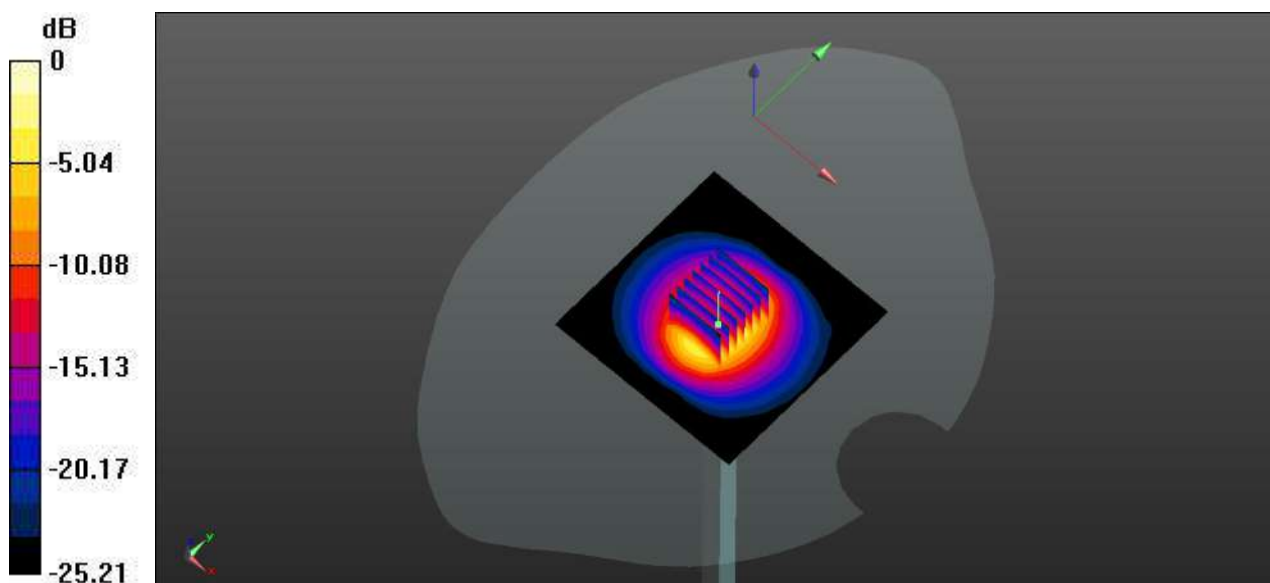
CW 2600/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 56.12 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 12.4 W/kg

SAR(1 g) = 5.66 W/kg; SAR(10 g) = 2.38 W/kg

Maximum value of SAR (measured) = 6.37 W/kg



0 dB = 6.37 W/kg

System Performance Check Data (2600MHz)

Date: 2023.06.12

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

Medium parameters used: $f = 2600$ MHz; $\sigma = 1.897$ S/m; $\epsilon_r = 39.439$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.4°C Liquid Temperature: 21.3°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.6, 7.6, 7.6); Calibrated: 2023.01.19;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2023.01.30
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- 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) = 6.17 W/kg

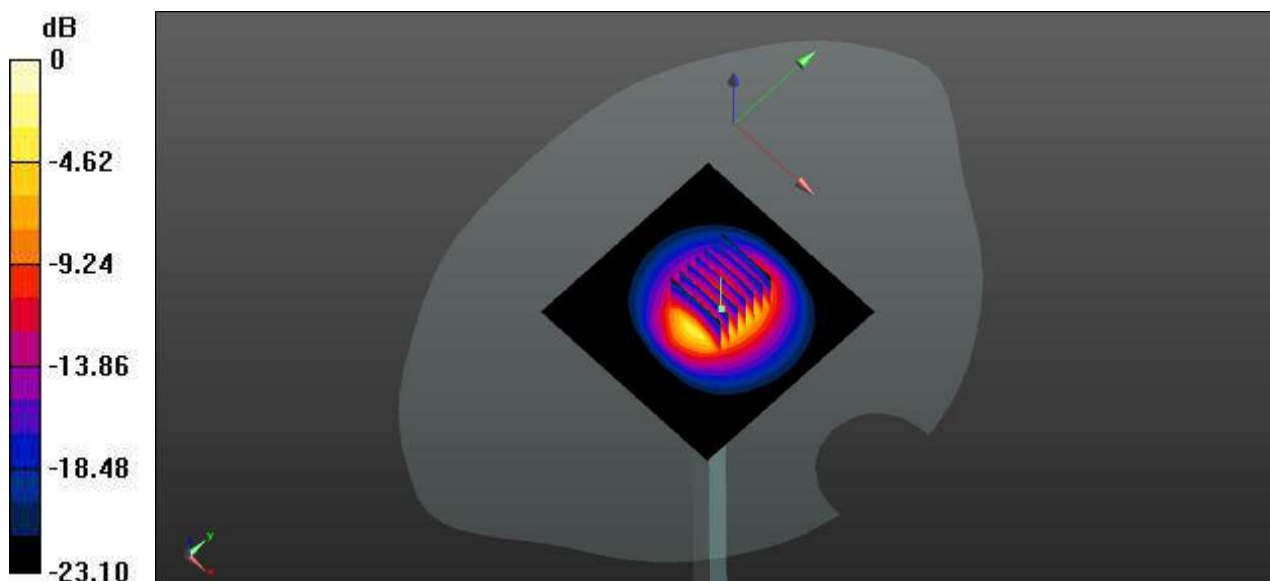
CW 2600/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 50.31 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 11.13 W/kg

SAR(1 g) = 5.44 W/kg; SAR(10 g) = 2.53 W/kg

Maximum value of SAR (measured) = 6.07 W/kg



0 dB = 6.07 W/kg

System Performance Check Data (2600MHz)

Date: 2023.06.13

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

Medium parameters used (interpolated): $f = 2600$ MHz; $\sigma = 1.954$ S/m; $\epsilon_r = 38.095$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.6, 7.6, 7.6); Calibrated: 2023.01.19;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2023.01.30
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- 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) = 6.32 W/kg

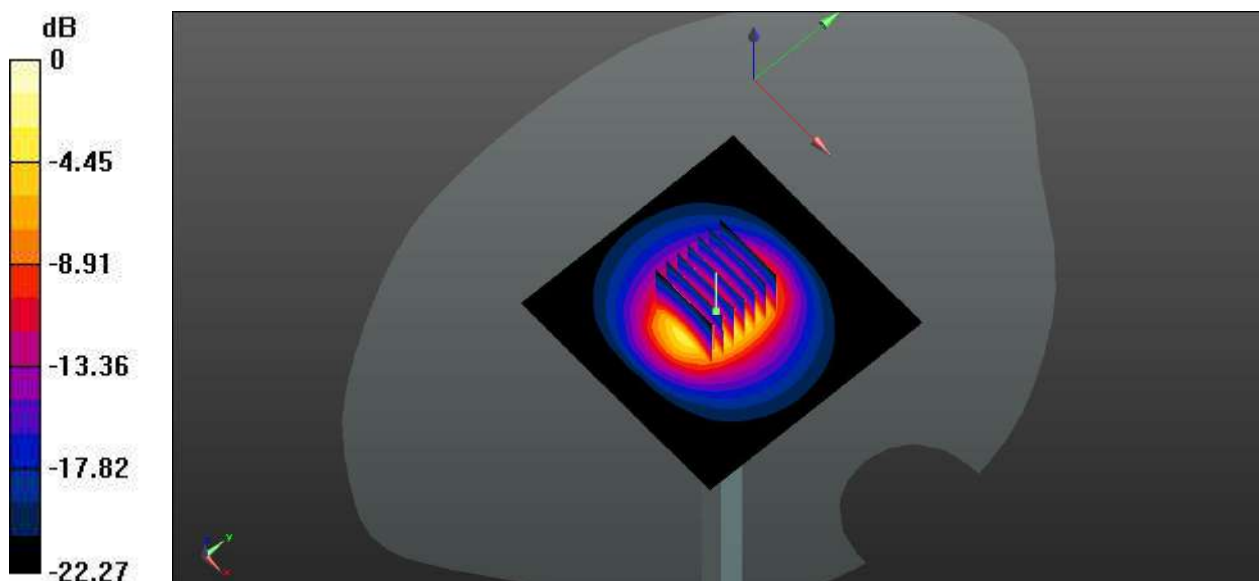
CW 2600/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 56.23 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 13.01 W/kg

SAR(1 g) = 5.56 W/kg; SAR(10 g) = 2.61 W/kg

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



0 dB = 6.18 W/kg

System Performance Check Data (2600MHz)

Date: 2023.06.14

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

Medium parameters used: $f = 2600$ MHz; $\sigma = 1.954$ S/m; $\epsilon_r = 38.095$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.6, 7.6, 7.6); Calibrated: 2023.01.19;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2023.01.30
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW2600/Area Scan (101x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 6.23 W/kg

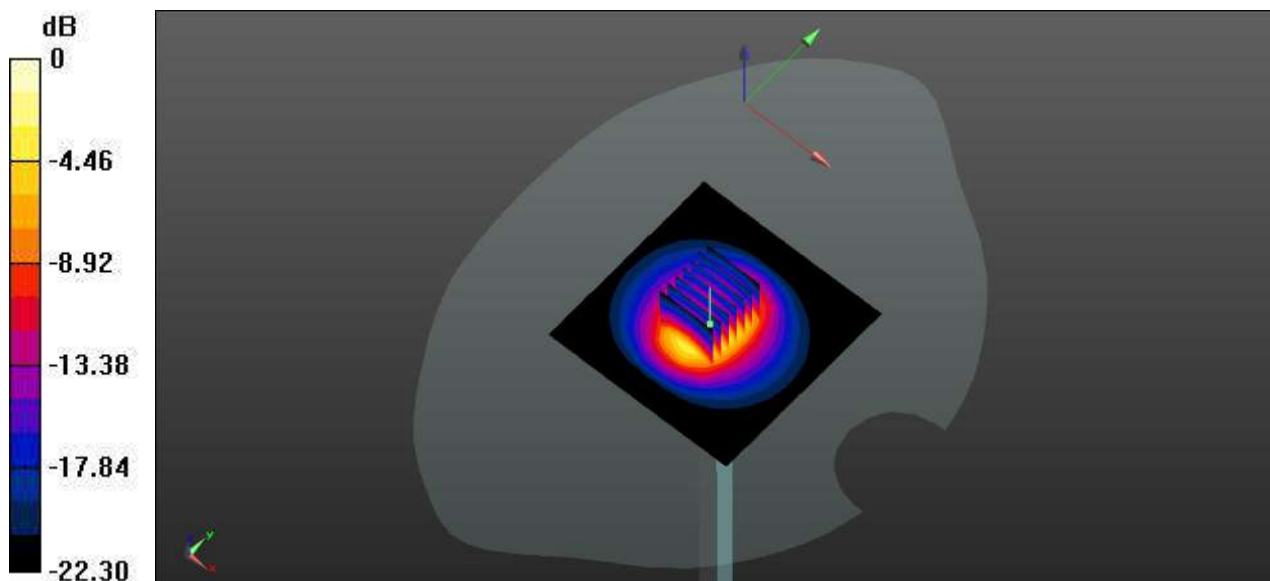
CW2600/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 56.25 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 12. W/kg

SAR(1 g) = 5.47 W/kg; SAR(10 g) = 2.41 W/kg

Maximum value of SAR (measured) = 6.08 W/kg



0 dB = 6.08W/kg

System Performance Check Data (2600MHz)

Date: 2023.06.15

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

Medium parameters used (extrapolated): $f = 2600$ MHz; $\sigma = 2.011$ S/m; $\epsilon_r = 39.135$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.1°C Liquid Temperature: 21.3°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.6, 7.6, 7.6); Calibrated: 2023.01.19;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2023.01.30
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW2600 Body/Area Scan (101x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 6.25 W/kg

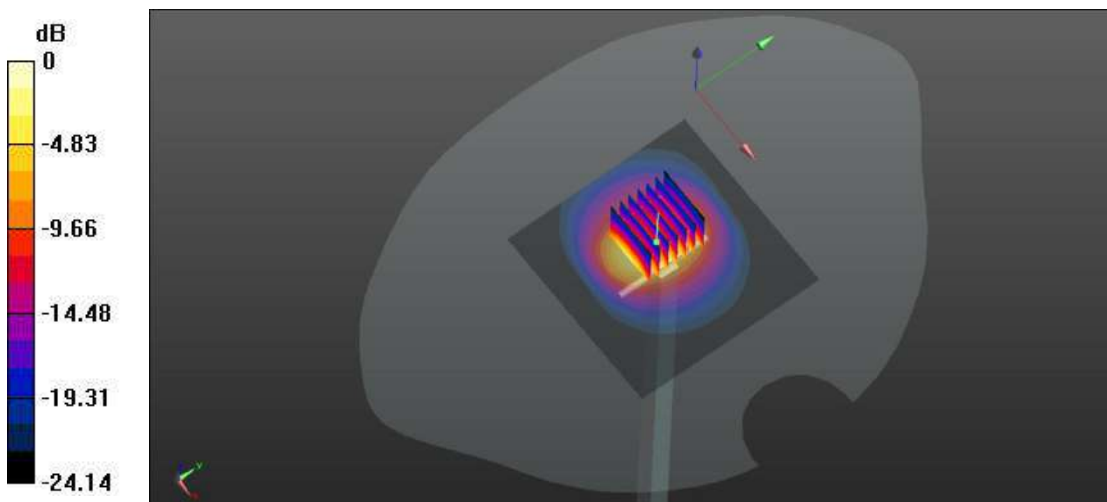
CW2600 Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 40.25 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 11.59 W/kg

SAR(1 g) = 5.42 W/kg; SAR(10 g) = 2.32 W/kg

Maximum value of SAR (measured) = 6.15 W/kg



0 dB = 6.15 W/kg

System Performance Check Data (2600MHz)

Date: 2023.06.16

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

Medium parameters used (extrapolated): $f = 2600$ MHz; $\sigma = 1.987$ S/m; $\epsilon_r = 39.050$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.0°C Liquid Temperature: 21.4°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.6, 7.6, 7.6); Calibrated: 2023.01.19;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2023.01.30
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW2600/Area Scan (101x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 6.78 W/kg

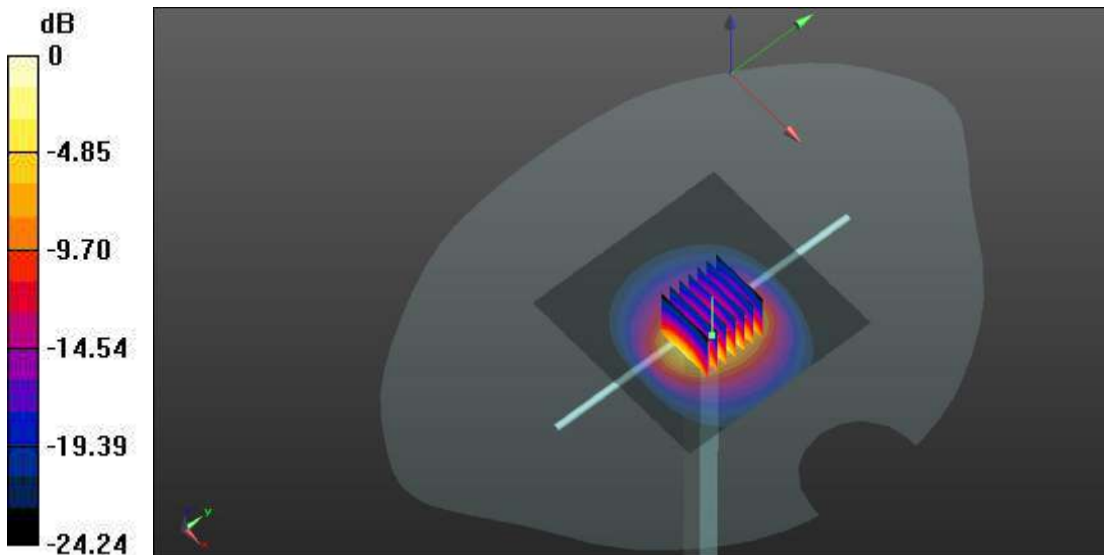
CW2600/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 37.83 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 13.9 W/kg

SAR(1 g) = 5.88 W/kg; SAR(10 g) = 2.54 W/kg

Maximum value of SAR (measured) = 6.65 W/kg



0 dB = 6.65 W/kg

System Performance Check Data (2600MHz)

Date: 2023.06.17

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

Medium parameters used (extrapolated): $f = 2600$ MHz; $\sigma = 1.926$ S/m; $\epsilon_r = 39.513$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.6, 7.6, 7.6); Calibrated: 2023.01.19;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2023.01.30
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW2600/Area Scan (101x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 6.28 W/kg

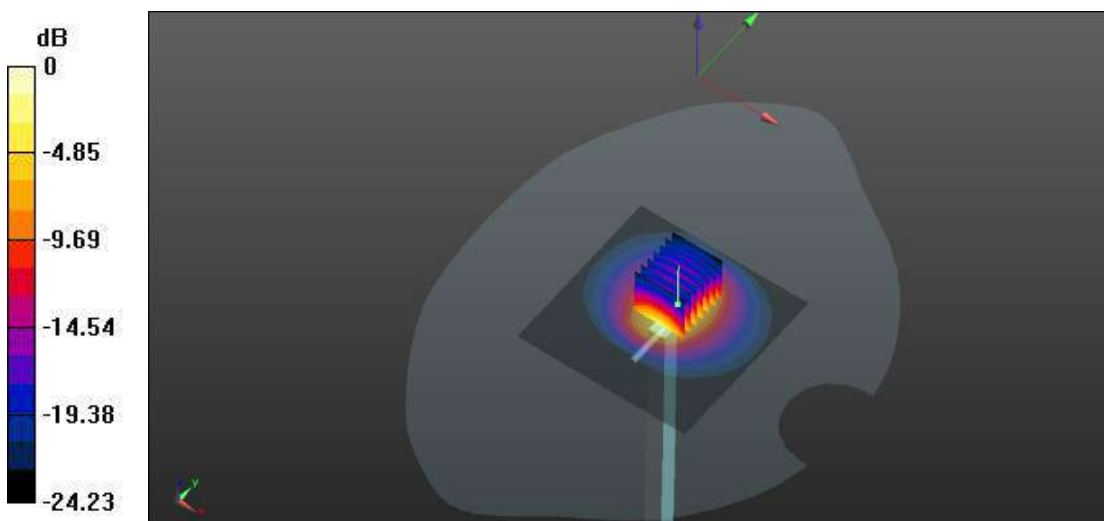
CW2600/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 48.56 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 13.67 W/kg

SAR(1 g) = 5.92 W/kg; SAR(10 g) = 2.48 W/kg

Maximum value of SAR (measured) = 6.28 W/kg



0 dB = 6.28 W/kg

System Performance Check Data (2600MHz)

Date: 2023.06.18

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

Medium parameters used (extrapolated): $f = 2600$ MHz; $\sigma = 2.01$ S/m; $\epsilon_r = 38.027$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.2°C Liquid Temperature: 21.6°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.6, 7.6, 7.6); Calibrated: 2023.01.19;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2023.01.30
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW2600/Area Scan (101x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

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

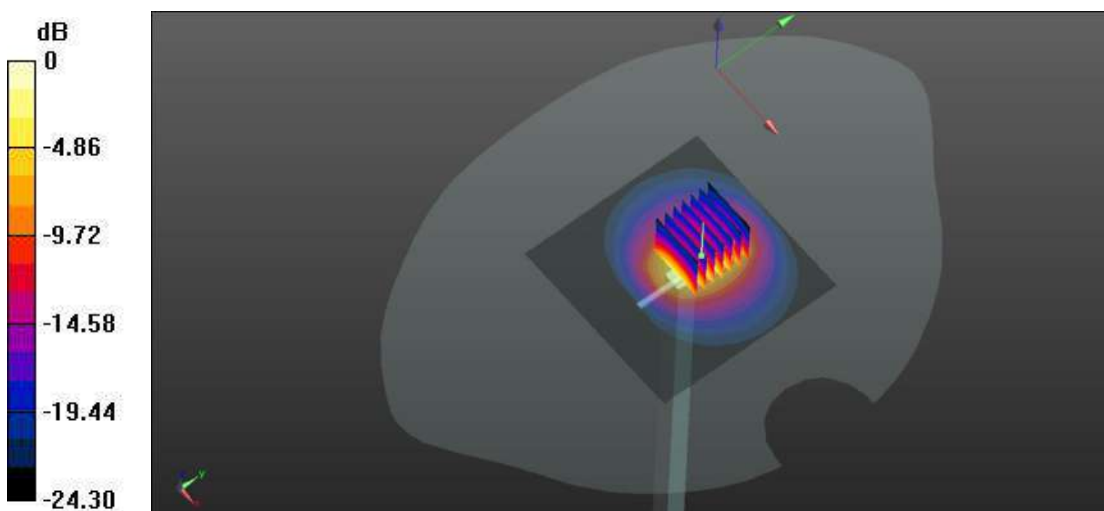
CW2600/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 49.35 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 14.01 W/kg

SAR(1 g) = 6.03 W/kg; SAR(10 g) = 2.58 W/kg

Maximum value of SAR (measured) = 6.47 W/kg



0 dB = 6.47 W/kg

System Performance Check Data (2600MHz)

Date: 2023.06.19

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

Medium parameters used: $f = 2600$ MHz; $\sigma = 1.987$ S/m; $\epsilon_r = 39.04$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.6, 7.6, 7.6); Calibrated: 2023.01.19;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2023.01.30
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW 2600/Area Scan (81x81x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 6.59 W/kg

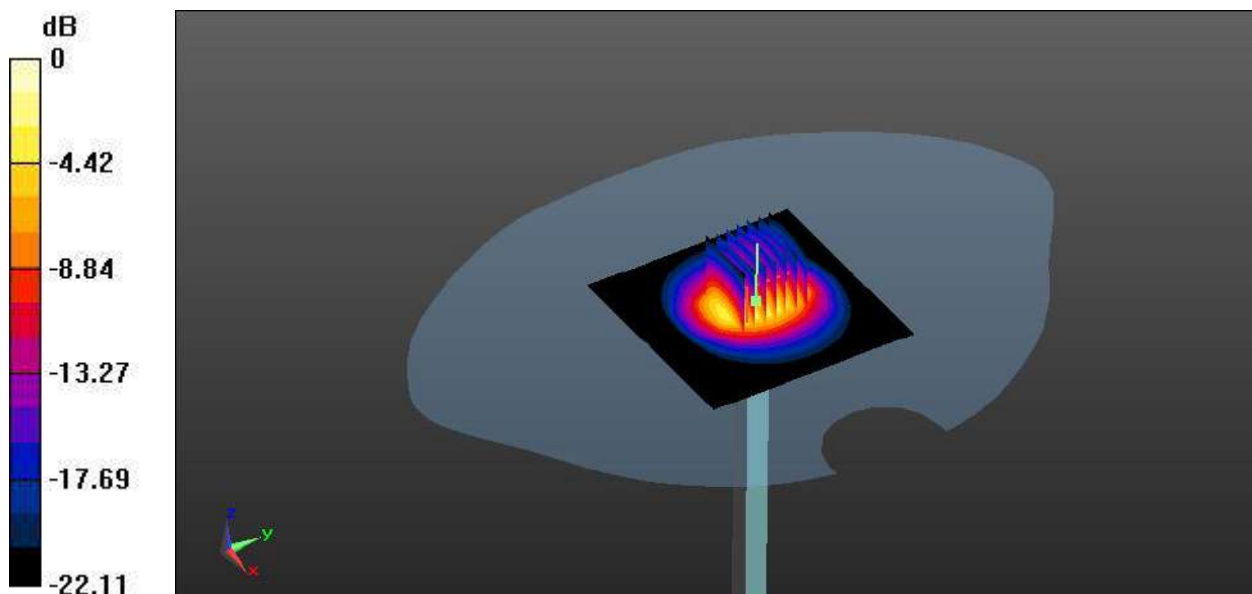
CW 2600/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 57.12 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 12.15 W/kg

SAR(1 g) = 5.77 W/kg; SAR(10 g) = 2.55 W/kg

Maximum value of SAR (measured) = 6.07 W/kg



0 dB = 6.07 W/kg

System Performance Check Data (2600MHz)

Date: 2023.06.20

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

Medium parameters used: $f = 2600$ MHz; $\sigma = 1.93$ S/m; $\epsilon_r = 37.992$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.6, 7.6, 7.6); Calibrated: 2023.01.19;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2023.01.30
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

2600MHz/Area Scan (81x81x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 6.54 W/kg

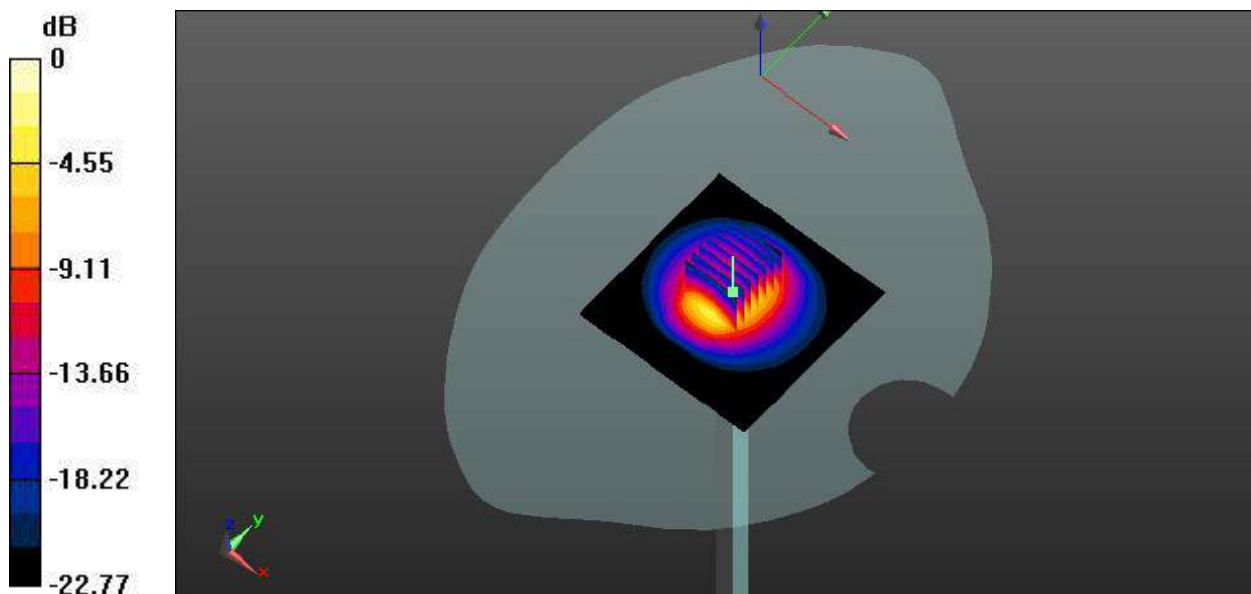
2600MHz/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 57.61V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 12.12 W/kg

SAR(1 g) = 5.73 W/kg; SAR(10 g) = 2.59 W/kg

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



0 dB = 6.48W/kg

System Performance Check Data (2600MHz)

Date: 2023.06.06

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

Medium parameters used: $f = 2600$ MHz; $\sigma = 1.953$ S/m; $\epsilon_r = 38.183$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.3°C Liquid Temperature: 21.1°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.56, 7.56, 7.56); Calibrated: 2022.07.04;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2022.06.13
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW 2600 100mW/Area Scan (101x101x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 6.49 W/kg

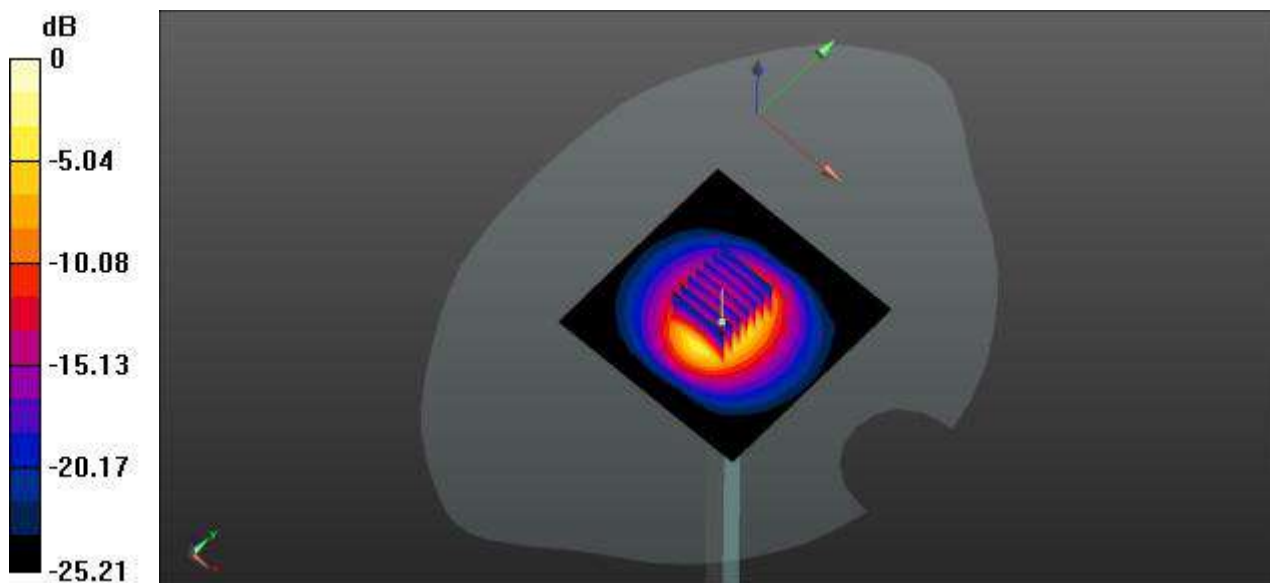
CW 2600 100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 56.14 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 12.7 W/kg

SAR(1 g) = 5.47 W/kg; SAR(10 g) = 2.48 W/kg

Maximum value of SAR (measured) = 6.37 W/kg



0 dB = 6.37 W/kg

System Performance Check Data (2600MHz)

Date: 2023.06.07

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

Medium parameters used: $f = 2600$ MHz; $\sigma = 1.925$ S/m; $\epsilon_r = 37.711$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.4°C Liquid Temperature: 21.2°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.56, 7.56, 7.56); Calibrated: 2022.07.04;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2022.06.13
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW 2600 100mW/Area Scan (101x101x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 6.27 W/kg

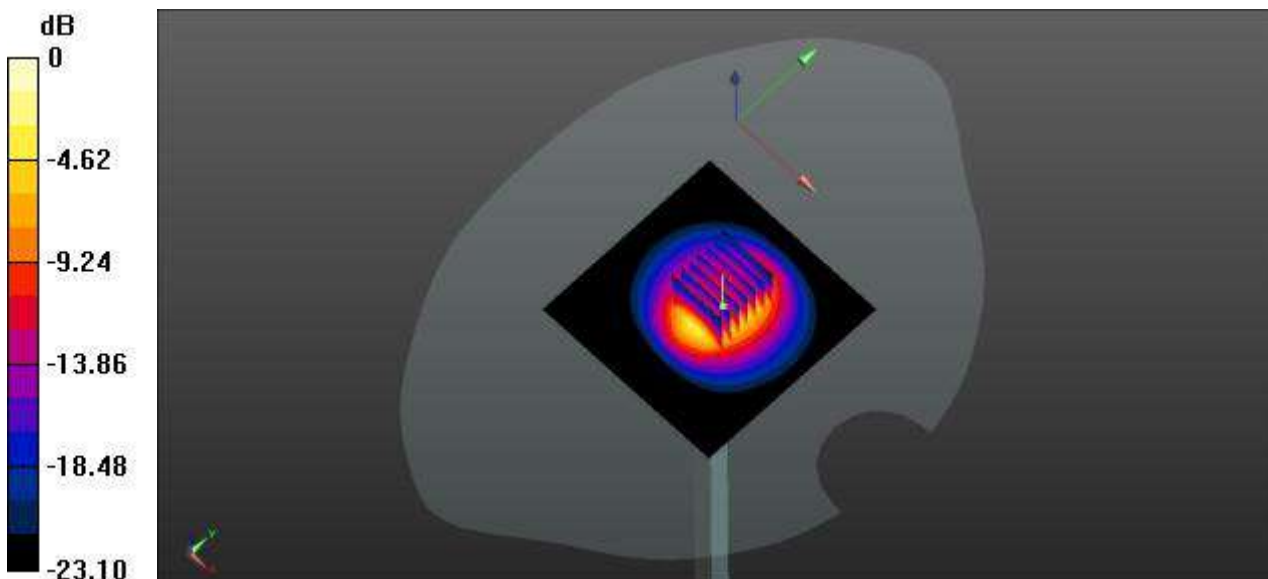
CW 2600 100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 50.22 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 11.3 W/kg

SAR(1 g) = 5.38 W/kg; SAR(10 g) = 2.36 W/kg

Maximum value of SAR (measured) = 6.11 W/kg



0 dB = 6.11 W/kg

System Performance Check Data (2600MHz)

Date: 2023.06.08

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

Medium parameters used: $f = 2600$ MHz; $\sigma = 1.934$ S/m; $\epsilon_r = 38.191$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.4°C Liquid Temperature: 21.1°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.56, 7.56, 7.56); Calibrated: 2022.07.04;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2023.03.23
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

2600MHz/Area Scan (81x81x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 5.91 W/kg

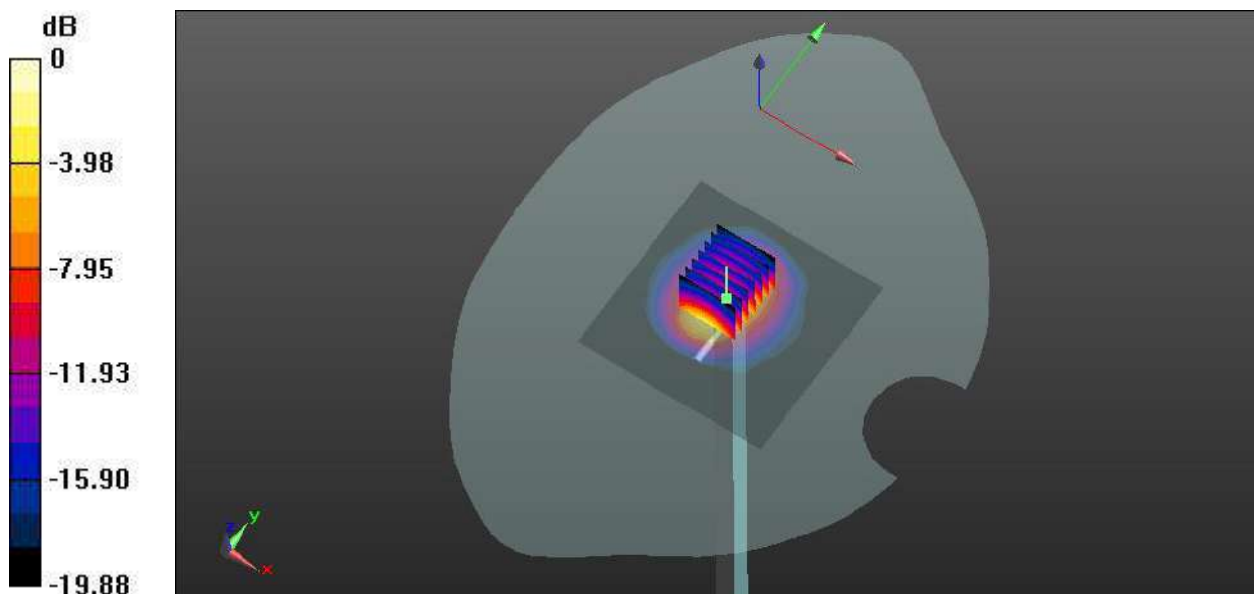
2600MHz/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 51.37 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 10.14 W/kg

SAR(1 g) = 5.57 W/kg; SAR(10 g) = 2.46 W/kg

Maximum value of SAR (measured) = 5.41 W/kg



0 dB = 5.41 W/kg

System Performance Check Data (2600MHz)

Date: 2023.06.09

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

Medium parameters used: $f = 2600$ MHz; $\sigma = 1.972$ S/m; $\epsilon_r = 39.986$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.6°C Liquid Temperature: 21.3°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.56, 7.56, 7.56); Calibrated: 2022.07.04;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2023.03.23
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

2600MHz/Area Scan (81x81x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 5.42 W/kg

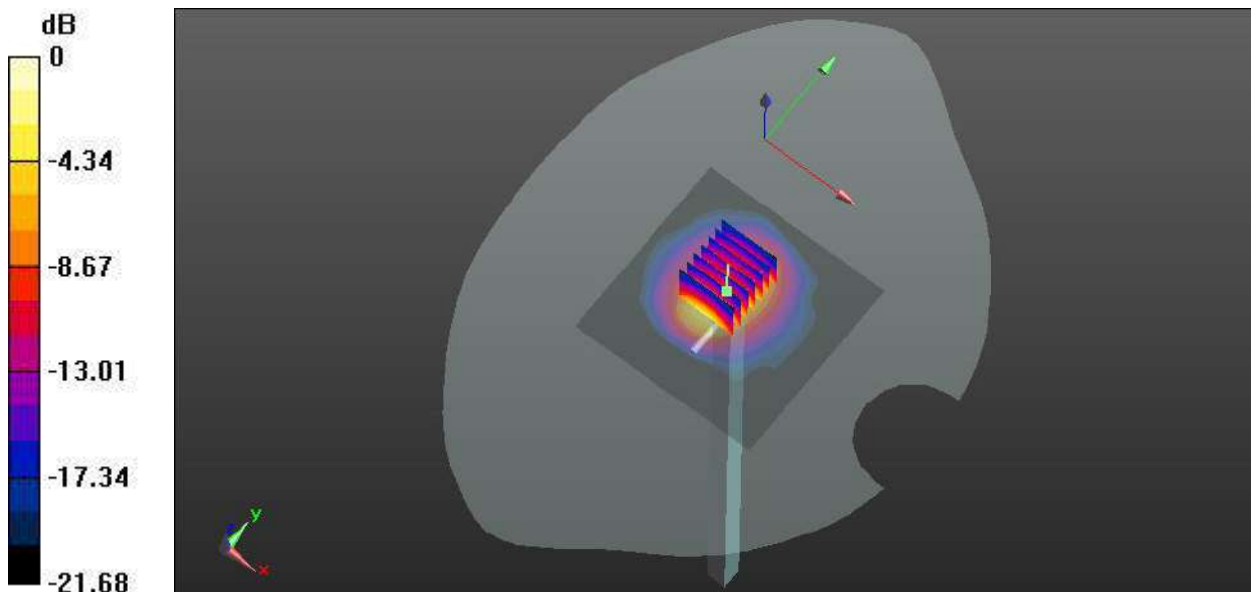
2600MHz/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 51.75 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 10.08 W/kg

SAR(1 g) = 5.73 W/kg; SAR(10 g) = 2.48 W/kg

Maximum value of SAR (measured) = 5.15 W/kg



0 dB = 5.15 W/kg

System Performance Check Data (2600MHz)

Date: 2023.06.10

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

Medium parameters used: $f = 2600$ MHz; $\sigma = 1.994$ S/m; $\epsilon_r = 37.926$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.5°C Liquid Temperature: 21.4°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.56, 7.56, 7.56); Calibrated: 2022.07.04;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2023.03.23
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

2600MHz/Area Scan (81x81x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 6.32 W/kg

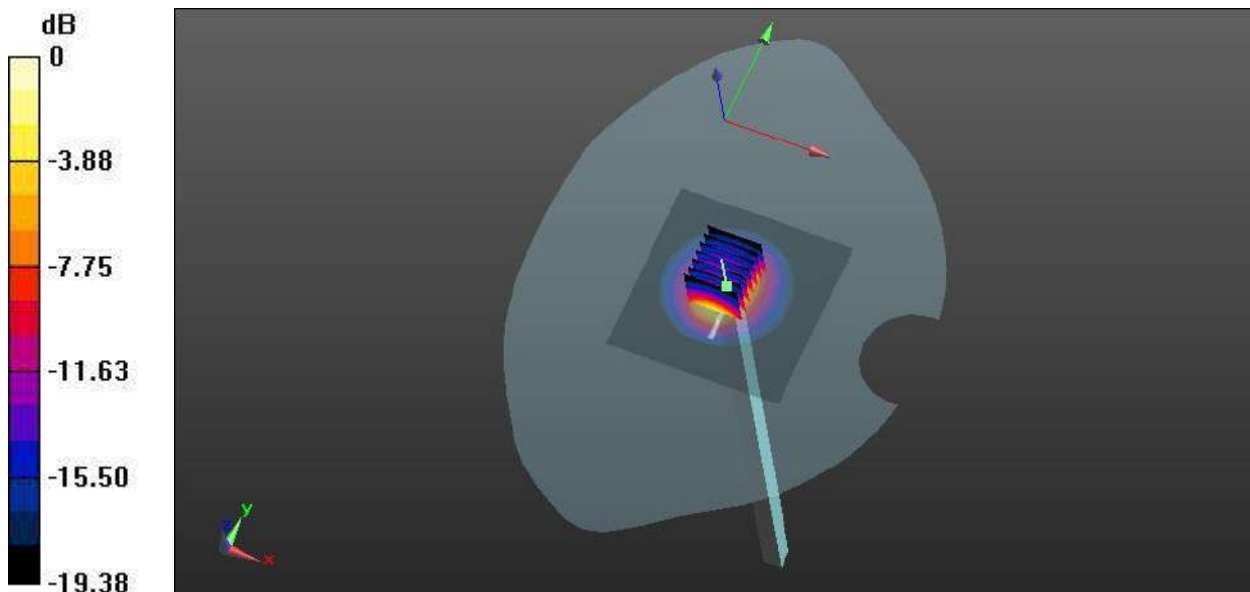
2600MHz/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 57.15 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 11.88 W/kg

SAR(1 g) = 5.44 W/kg; SAR(10 g) = 2.54 W/kg

Maximum value of SAR (measured) = 6.25 W/kg



0 dB = 6.25 W/kg

System Performance Check Data (5250MHz)

Date: 2023.06.11

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

Medium parameters used: $f = 5250$ MHz; $\sigma = 4.634$ S/m; $\epsilon_r = 35.571$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.3°C Liquid Temperature: 21.2°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(5.45, 5.45, 5.45); Calibrated: 2022.07.04;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2023.03.23
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW5250/Area Scan (101x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 8.62 W/kg

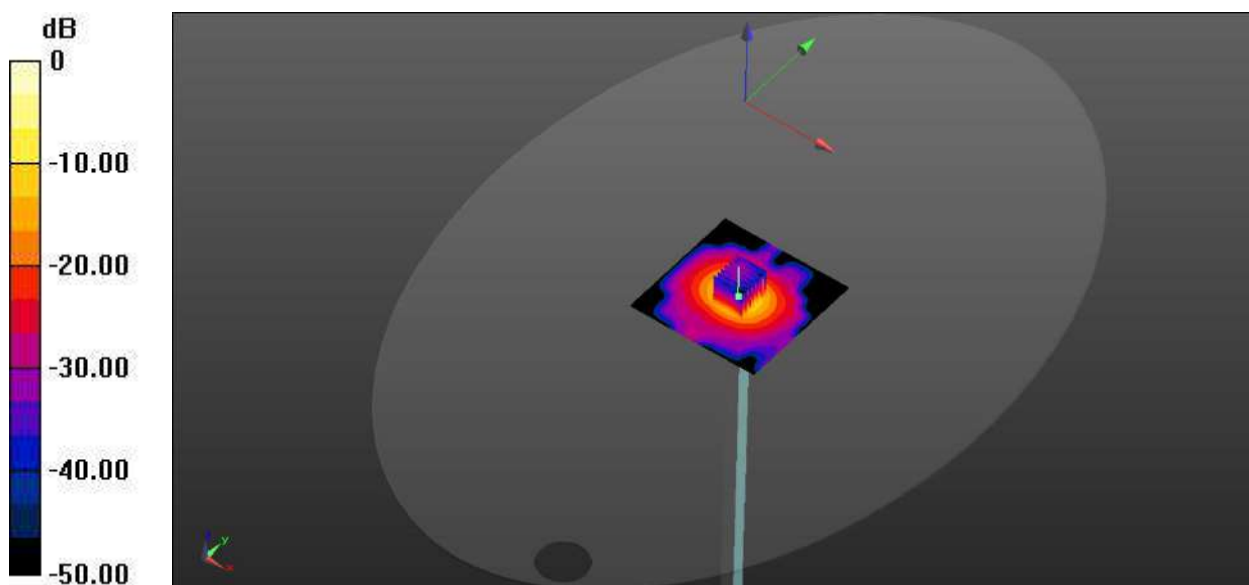
CW5250/Zoom Scan (7x7x21)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 43.21 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 32.5 W/kg

SAR(1 g) = 7.89 W/kg; SAR(10 g) = 2.18 W/kg

Maximum value of SAR (measured) = 19.5 W/kg



0 dB = 19.5 W/kg

System Performance Check Data (5600MHz)

Date: 2023.06.12

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

Medium parameters used: $f = 5600 \text{ MHz}$; $\sigma = 4.999 \text{ S/m}$; $\epsilon_r = 36.533$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient Temperature: 22.5°C Liquid Temperature: 21.4°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(4.88, 4.88, 4.88); Calibrated: 2022.07.04;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2023.03.23
- 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 (81x81x1): Interpolated grid: $dx=1.000 \text{ mm}$, $dy=1.000 \text{ mm}$

Maximum value of SAR (interpolated) = 9.78 W/kg

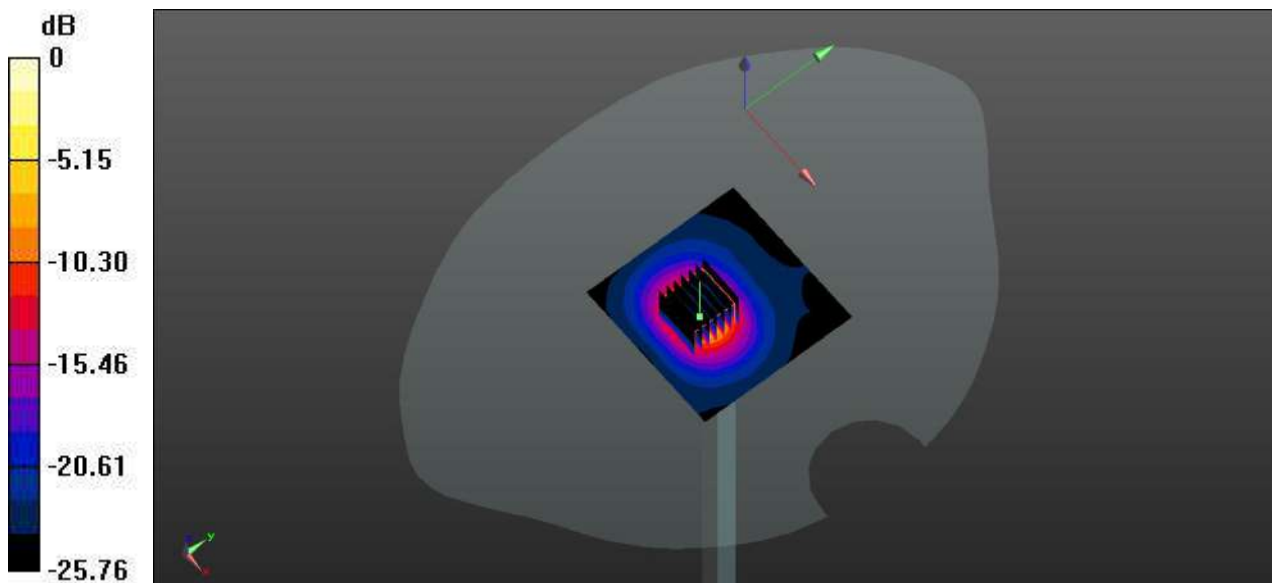
CW 5600/Zoom Scan (7x7x15)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=1.4\text{mm}$

Reference Value = 26.85V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 41.1 W/kg

SAR(1 g) = 8.11 W/kg; SAR(10 g) = 2.23 W/kg

Maximum value of SAR (measured) = 20.8 W/kg



0 dB = 20.8 W/kg

System Performance Check Data (5750MHz)

Date: 2023.06.13

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

Medium parameters used: $f = 5750$ MHz; $\sigma = 5.07$ S/m; $\epsilon_r = 36.21$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(5, 5, 5); Calibrated: 2022.07.04;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2023.03.23
- 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 (81x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 9.23 W/kg

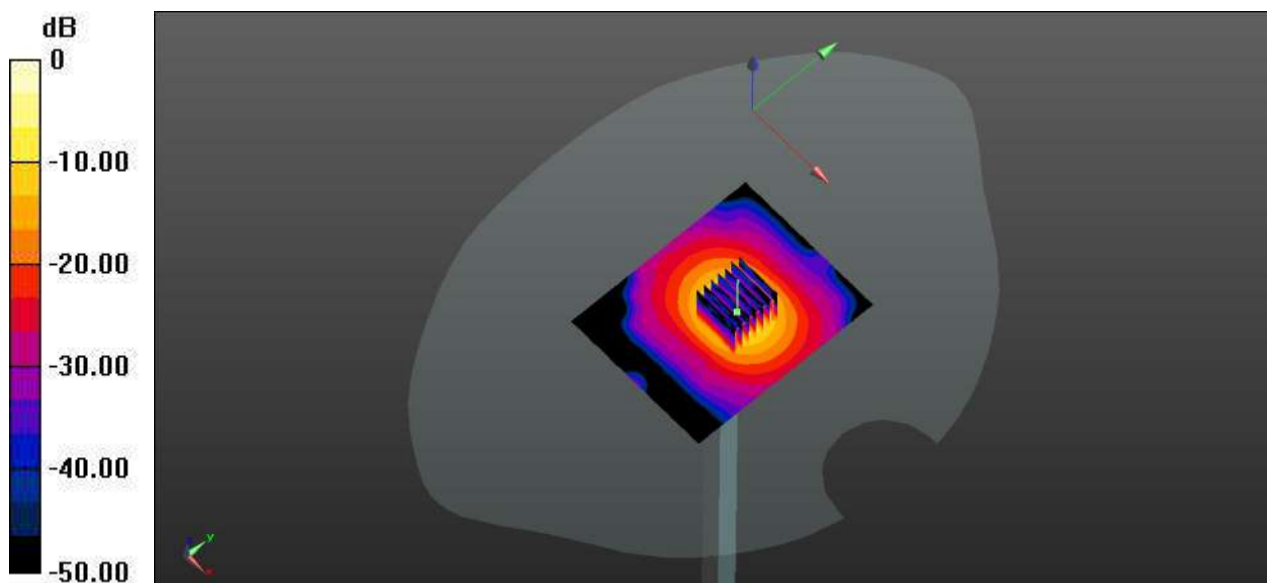
CW 5750/Zoom Scan (7x7x21)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 33.51 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 40.1 W/kg

SAR(1 g) = 7.99 W/kg; SAR(10 g) = 2.15 W/kg

Maximum value of SAR (measured) = 19.5 W/kg



0 dB = 19.3 W/kg

System Performance Check Data (2450MHz)

Date: 2023.06.14

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

Medium parameters used: $f = 2450$ MHz; $\sigma = 1.811$ S/m; $\epsilon_r = 38.345$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.2°C Liquid Temperature: 21.2°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.79, 7.79, 7.79); Calibrated: 2022.07.04;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2023.03.23
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW2450/Area Scan (101x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 6.25 W/kg

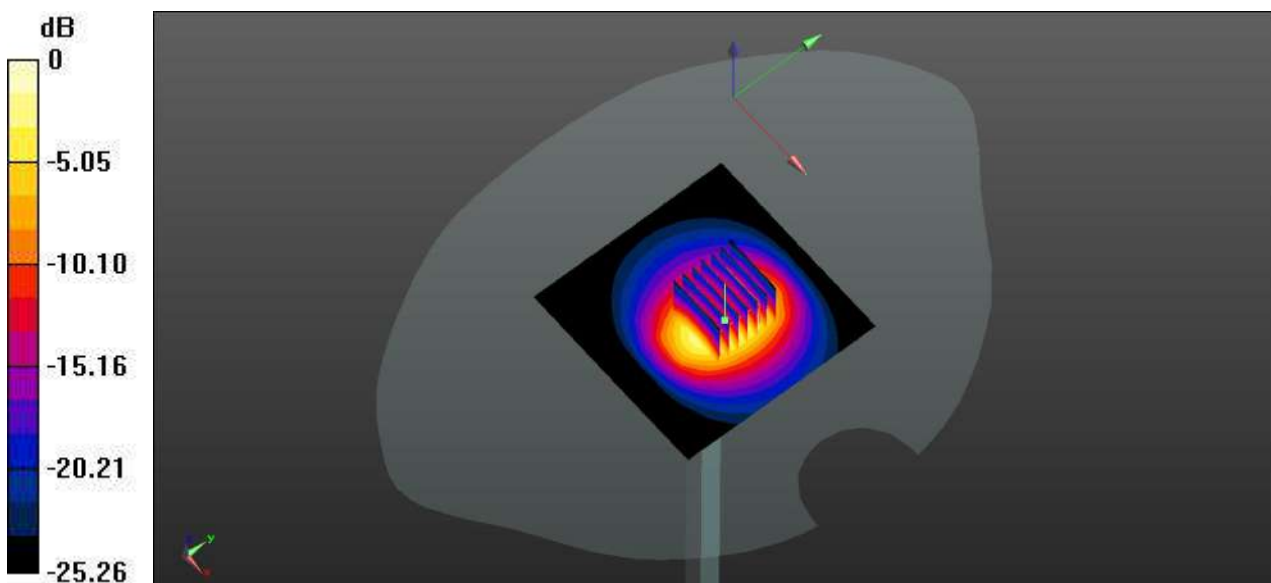
CW2450/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 46.38 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 13.3 W/kg

SAR(1 g) = 5.38 W/kg; SAR(10 g) = 2.47 W/kg

Maximum value of SAR (measured) = 6.17 W/kg



0 dB = 6.17 W/kg

ANNEX C TEST DATA

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

Date: 2023.05.29

Communication System Band: GSM850; Frequency: 836.6 MHz; Duty Cycle: 1:4.1

Medium parameters used (interpolated): $f = 836.6$ MHz; $\sigma = 0.91$ S/m; $\epsilon_r = 40.442$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Ambient Temperature: 22.4°C Liquid Temperature: 21.1°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(9.97, 9.97, 9.97); Calibrated: 2023.01.19;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2023.01.30
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch190/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.555 W/kg

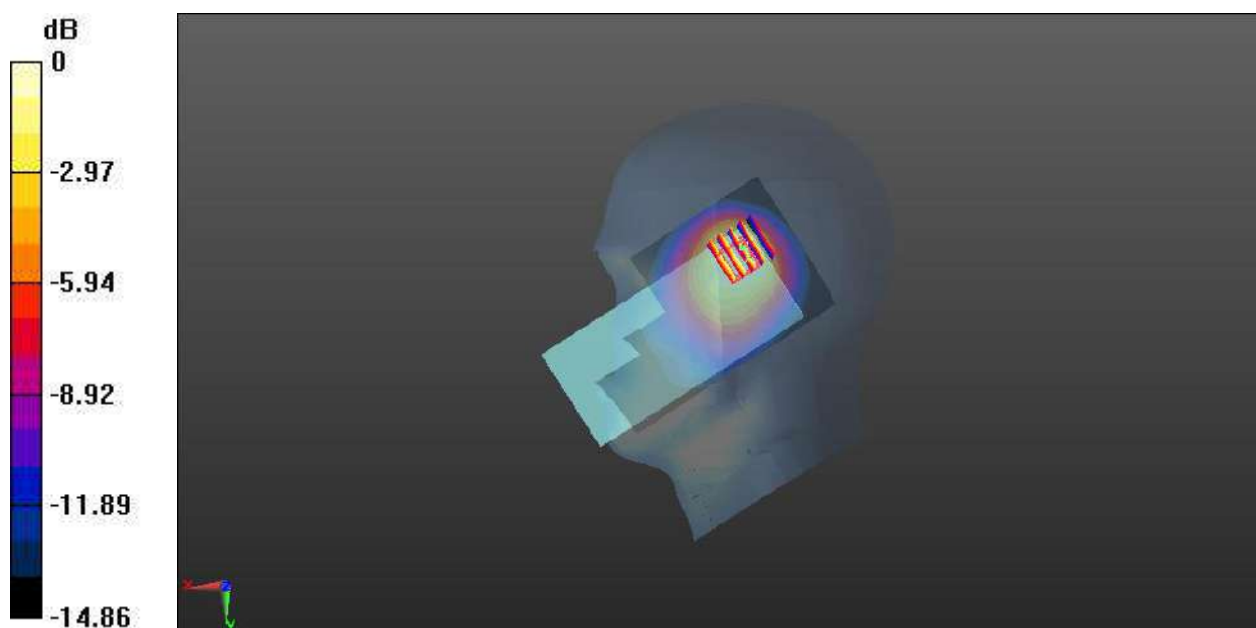
Ch190/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.40 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 0.736 W/kg

SAR(1 g) = 0.384 W/kg; SAR(10 g) = 0.248 W/kg

Maximum value of SAR (measured) = 0.402 W/kg



0 dB = 0.402 W/kg

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

Date: 2023.05.29

Communication System Band: GSM850; Frequency: 836.6 MHz; Duty Cycle: 1:4.1

Medium parameters used (interpolated): $f = 836.6$ MHz; $\sigma = 0.91$ S/m; $\epsilon_r = 40.442$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.4°C Liquid Temperature: 21.1°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(9.97, 9.97, 9.97); Calibrated: 2023.01.19;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2023.01.30
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch190/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.110 W/kg

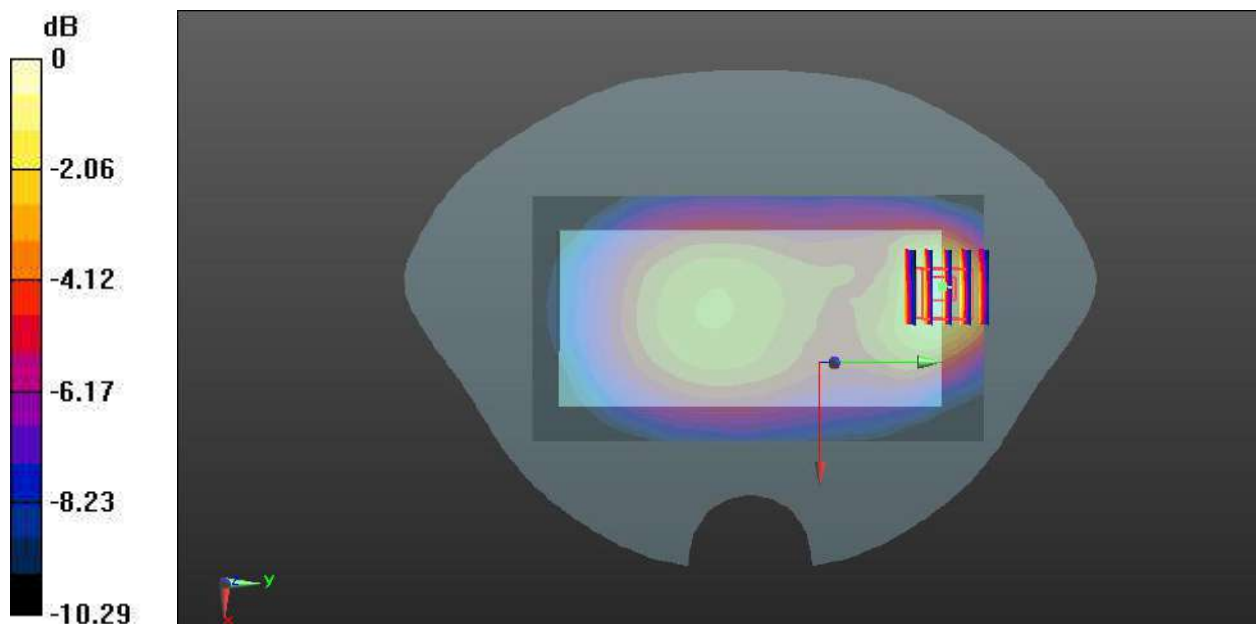
Ch190/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.836 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.161 W/kg

SAR(1 g) = 0.104 W/kg; SAR(10 g) = 0.066 W/kg

Maximum value of SAR (measured) = 0.113 W/kg



0 dB = 0.113 W/kg

Meas.3 Body Plane with Back Side 10mm on Middle Channel in GPRS850 2Slots mode with Antenna 0

Date: 2023.05.29

Communication System Band: GSM850; Frequency: 836.6 MHz; Duty Cycle: 1:4.1

Medium parameters used (interpolated): $f = 836.6$ MHz; $\sigma = 0.91$ S/m; $\epsilon_r = 40.442$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.4°C Liquid Temperature: 21.1°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(9.97, 9.97, 9.97); Calibrated: 2023.01.19;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2023.01.30
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch190/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.227 W/kg

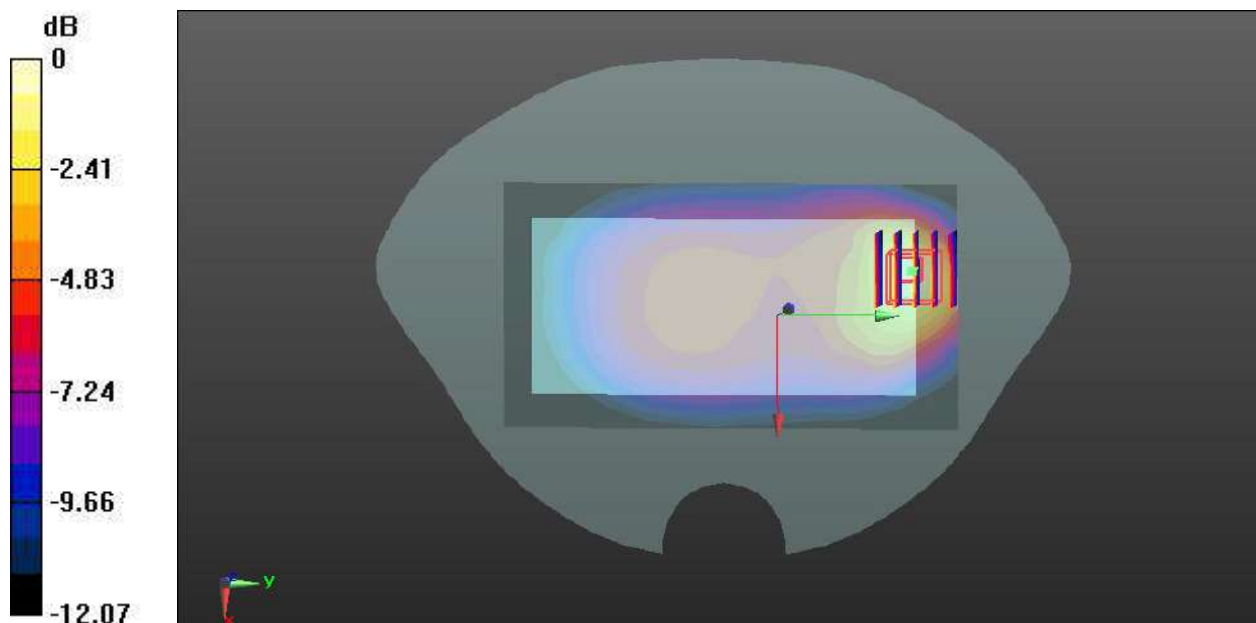
Ch190/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.687 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.390 W/kg

SAR(1 g) = 0.216 W/kg; SAR(10 g) = 0.126 W/kg

Maximum value of SAR (measured) = 0.238 W/kg



0 dB = 0.238 W/kg

Meas.4 Right Head with Tilt on Middle Channel in GPRS1900 2Slots mode with Antenna 1

Date: 2023.06.08

Communication System Band: PCS1900; Frequency: 1880 MHz; Duty Cycle: 1:4.1

Medium parameters used (interpolated): $f = 1880$ MHz; $\sigma = 1.391$ S/m; $\epsilon_r = 40.74$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Ambient Temperature: 22.3°C Liquid Temperature: 21.4°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(8.21, 8.21, 8.21); Calibrated: 2023.01.19;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2023.01.30
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch661/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.551 W/kg

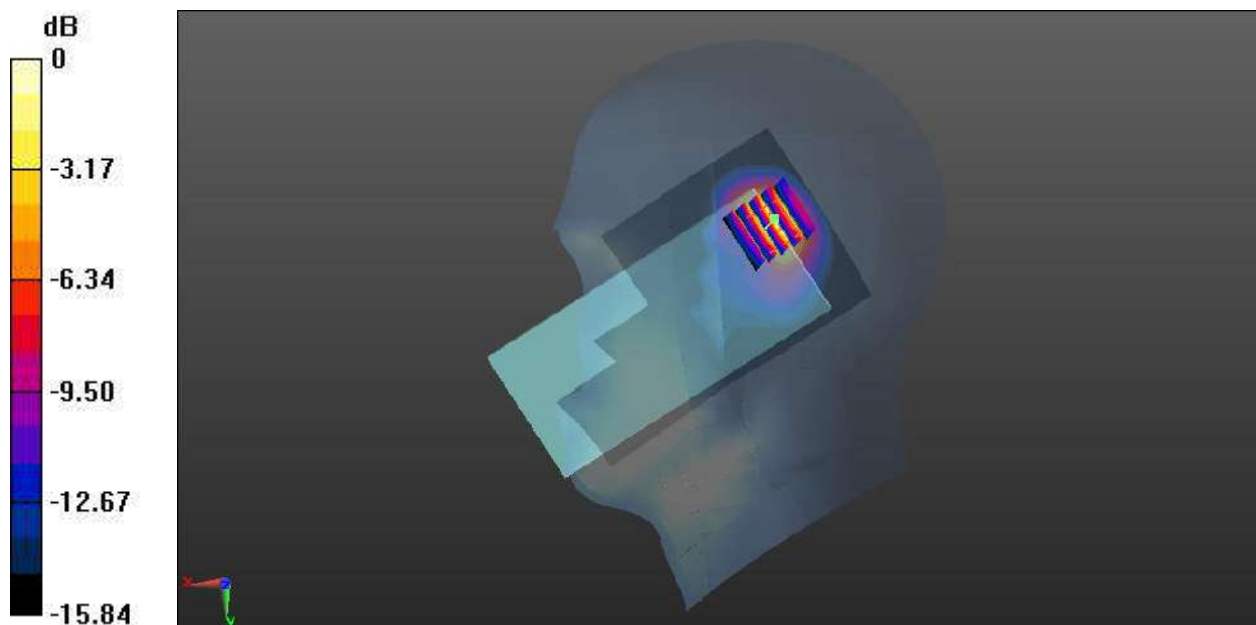
Ch661/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.44 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 1.13 W/kg

SAR(1 g) = 0.557 W/kg; SAR(10 g) = 0.257 W/kg

Maximum value of SAR (measured) = 0.666 W/kg



0 dB = 0.666 W/kg

Meas.5 Body Plane with Back Side 15mm on Middle Channel in GPRS1900 2Slots mode with Antenna 1

Date: 2023.06.08

Communication System Band: PCS1900; Frequency: 1880 MHz; Duty Cycle: 1:4.1

Medium parameters used (interpolated): $f = 1880$ MHz; $\sigma = 1.391$ S/m; $\epsilon_r = 40.74$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.3°C Liquid Temperature: 21.4°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(8.21, 8.21, 8.21); Calibrated: 2023.01.19;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2023.01.30
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch661/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.118 W/kg

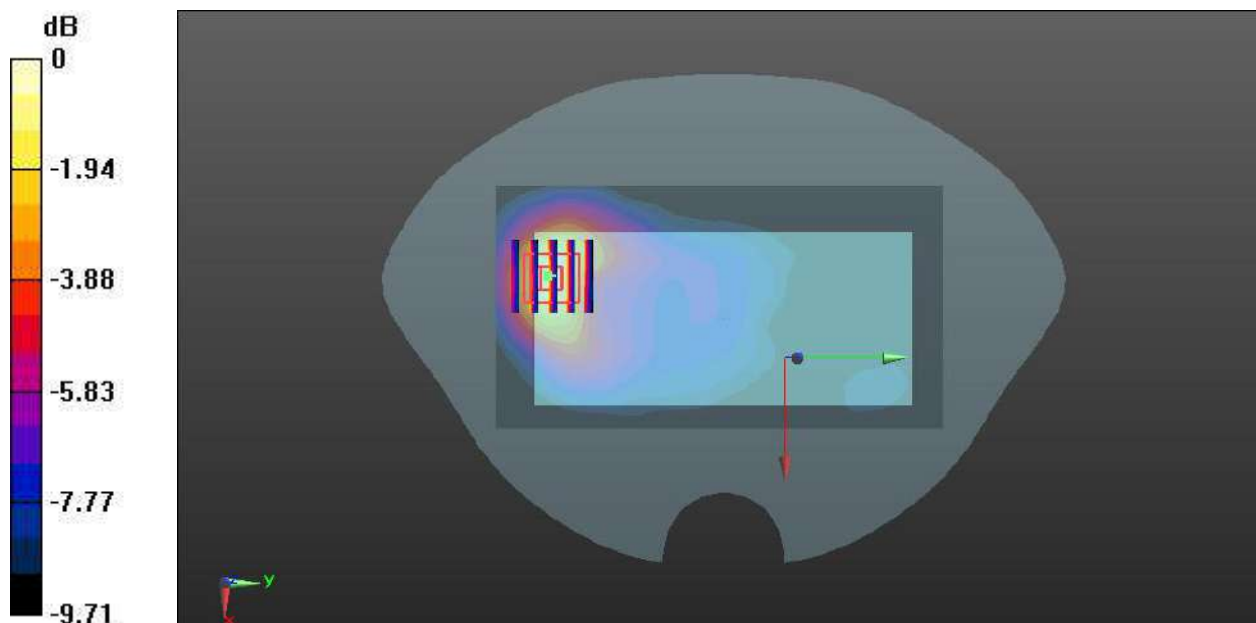
Ch661/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.006 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 0.169 W/kg

SAR(1 g) = 0.108 W/kg; SAR(10 g) = 0.066 W/kg

Maximum value of SAR (measured) = 0.118 W/kg



0 dB = 0.118 W/kg

Meas.6 Body Plane with Top Edge 10mm on Middle Channel in GPRS1900 2Slots mode with Antenna 1

Date: 2023.06.08

Communication System Band: PCS1900; Frequency: 1880 MHz; Duty Cycle: 1:4.1

Medium parameters used (interpolated): $f = 1880$ MHz; $\sigma = 1.391$ S/m; $\epsilon_r = 40.74$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.3°C Liquid Temperature: 21.4°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(8.21, 8.21, 8.21); Calibrated: 2023.01.19;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2023.01.30
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch661/Area Scan (61x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

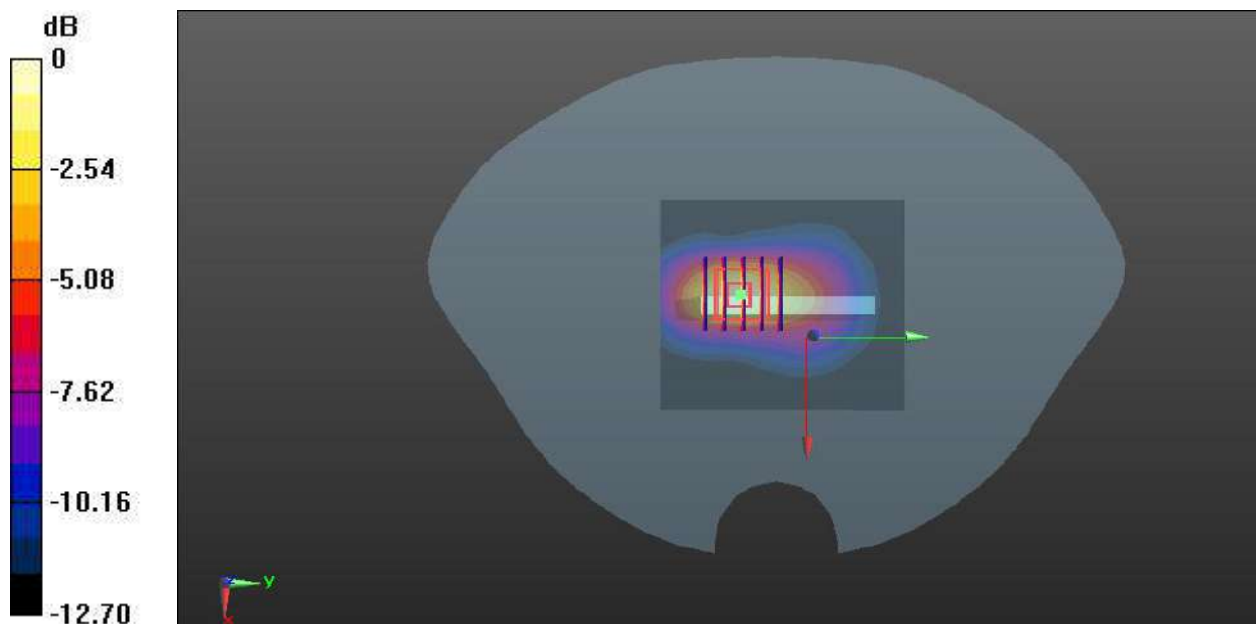
Ch661/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.03 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.428 W/kg

SAR(1 g) = 0.249 W/kg; SAR(10 g) = 0.133 W/kg

Maximum value of SAR (measured) = 0.282 W/kg



0 dB = 0.282 W/kg

Meas.7 Right Head with Tilt on High Channel in WCDMA Band2 mode with Antenna 1

Date: 2023.06.08

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

Medium parameters used (interpolated): $f = 1907.6$ MHz; $\sigma = 1.434$ S/m; $\epsilon_r = 39.788$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Ambient Temperature: 22.3°C Liquid Temperature: 21.4°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(8.21, 8.21, 8.21); Calibrated: 2023.01.19;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2023.01.30
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- 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) = 0.678 W/kg

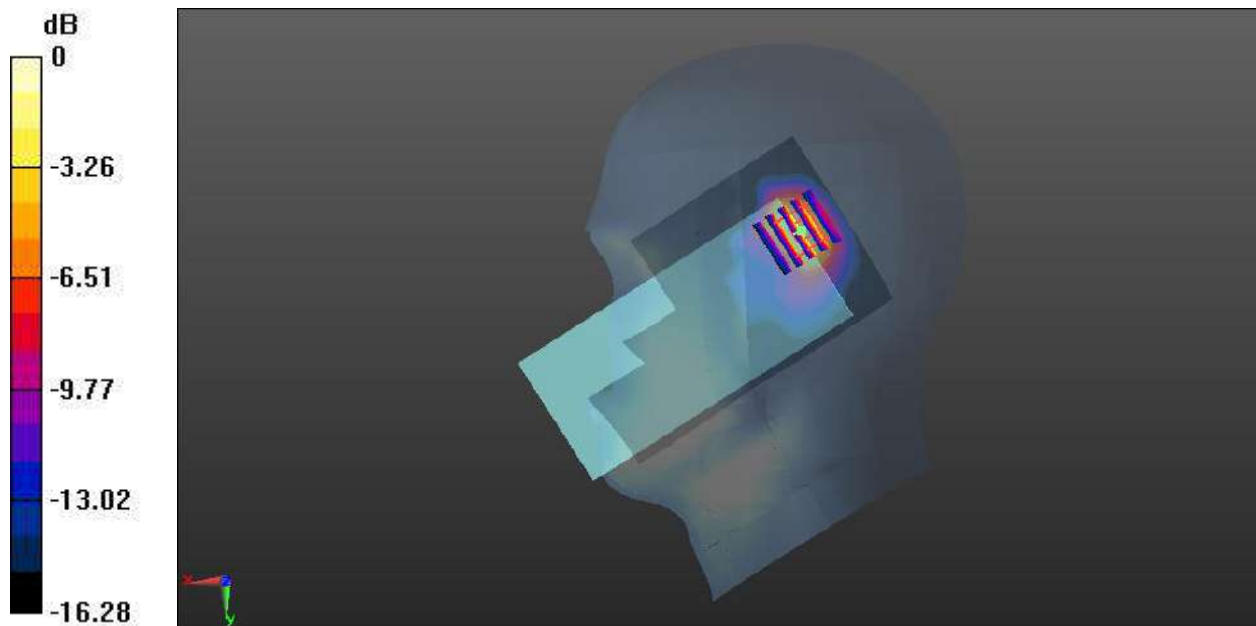
Ch9538/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.76 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 1.36 W/kg

SAR(1 g) = 0.669 W/kg; SAR(10 g) = 0.307 W/kg

Maximum value of SAR (measured) = 0.809 W/kg



0 dB = 0.809 W/kg

Meas.8 Body Plane with Back Side 15mm on Middle Channel in WCDMA Band2 mode with Antenna 1

Date: 2023.06.08

Communication System Band: Band 2; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 1880$ MHz; $\sigma = 1.391$ S/m; $\epsilon_r = 40.74$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.3°C Liquid Temperature: 21.4°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(8.21, 8.21, 8.21); Calibrated: 2023.01.19;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2023.01.30
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch9400/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.131 W/kg

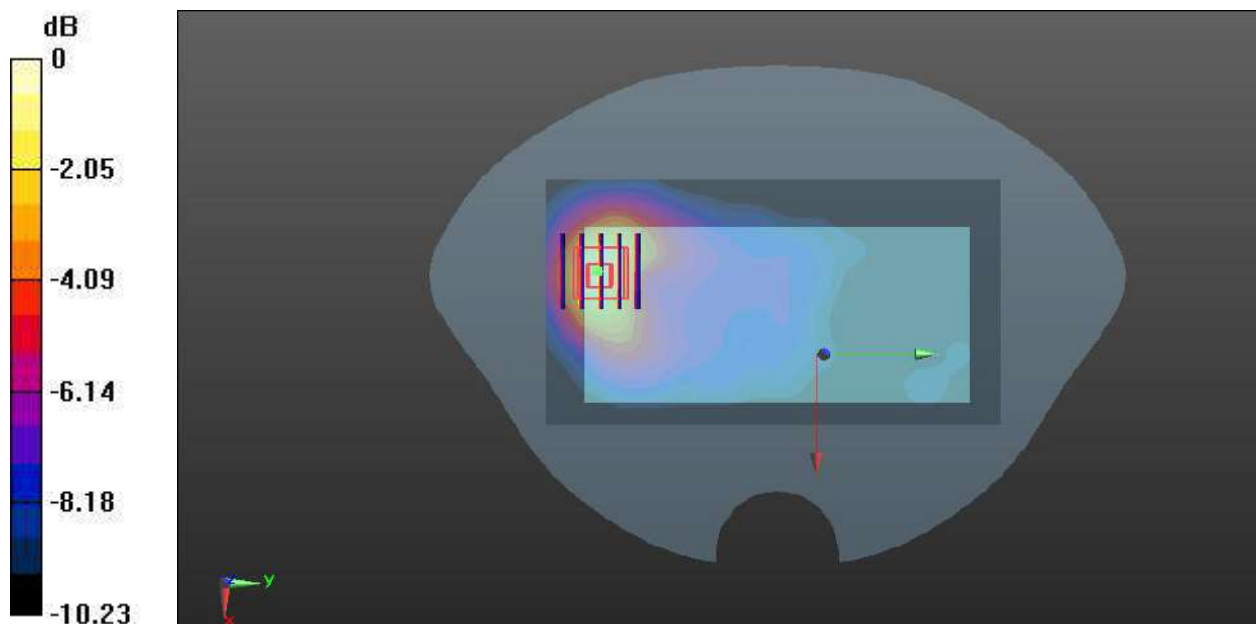
Ch9400/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 3.865 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.191 W/kg

SAR(1 g) = 0.121 W/kg; SAR(10 g) = 0.072 W/kg

Maximum value of SAR (measured) = 0.132 W/kg



0 dB = 0.132 W/kg

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

Date: 2023.06.08

Communication System Band: Band 2; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 1880$ MHz; $\sigma = 1.391$ S/m; $\epsilon_r = 40.74$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.3°C Liquid Temperature: 21.4°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(8.21, 8.21, 8.21); Calibrated: 2023.01.19;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2023.01.30
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch9400/Area Scan (61x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.346 W/kg

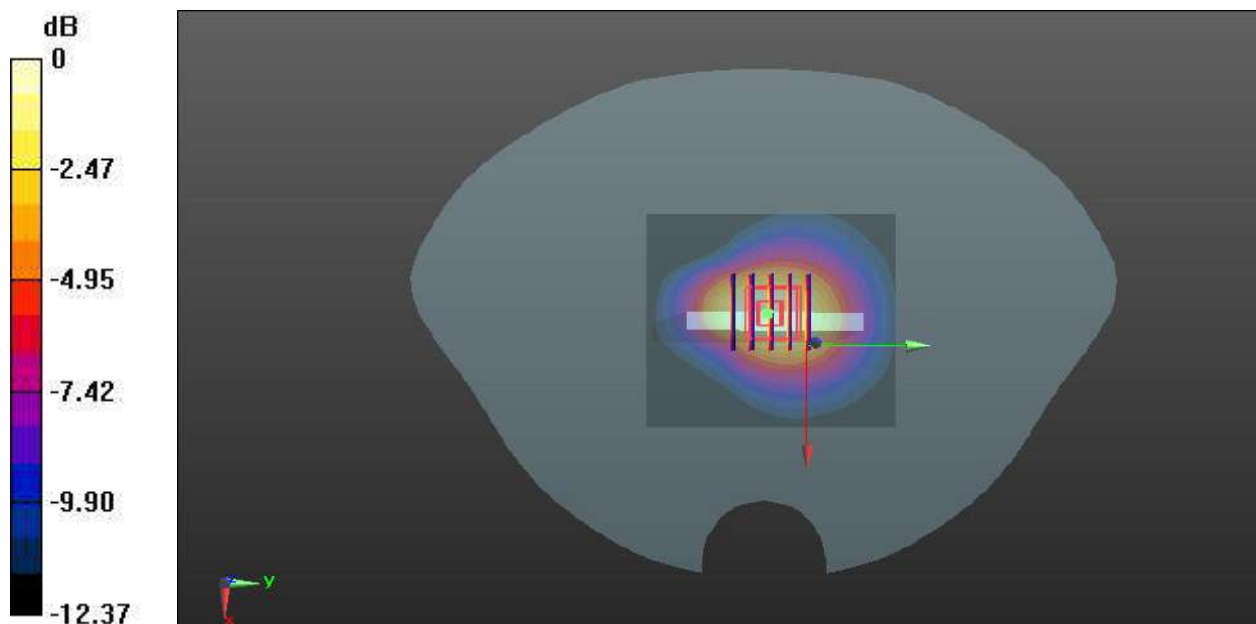
Ch9400/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.95 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 0.431 W/kg

SAR(1 g) = 0.282 W/kg; SAR(10 g) = 0.171 W/kg

Maximum value of SAR (measured) = 0.308 W/kg



0 dB = 0.308 W/kg

Meas.10 Right Head with Tilt on Low Channel in WCDMA Band4 mode with Antenna 1

Date: 2023.06.02

Communication System Band: Band 4; Frequency: 1712.4 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 1712.4$ MHz; $\sigma = 1.332$ S/m; $\epsilon_r = 40.678$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Ambient Temperature: 22.7°C Liquid Temperature: 21.1°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(8.65, 8.65, 8.65); Calibrated: 2023.01.19;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2023.01.30
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch1312/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.714 W/kg

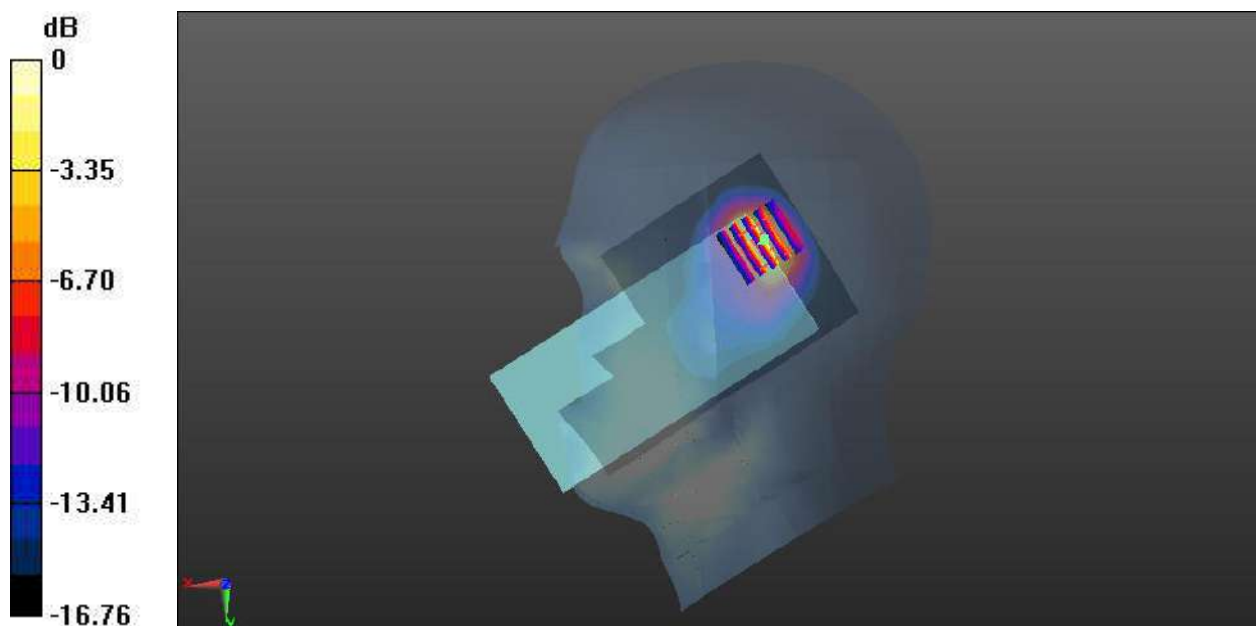
Ch1312/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.95 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 1.43 W/kg

SAR(1 g) = 0.712 W/kg; SAR(10 g) = 0.331 W/kg

Maximum value of SAR (measured) = 0.853 W/kg



0 dB = 0.853 W/kg

Meas.11 Body Plane with Back Side 15mm on Low Channel in WCDMA Band4 mode with Antenna 1

Date: 2023.06.02

Communication System Band: Band 4; Frequency: 1712.4 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 1712.4$ MHz; $\sigma = 1.332$ S/m; $\epsilon_r = 40.678$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.7°C Liquid Temperature: 21.1°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(8.65, 8.65, 8.65); Calibrated: 2023.01.19;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2023.01.30
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch1312/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

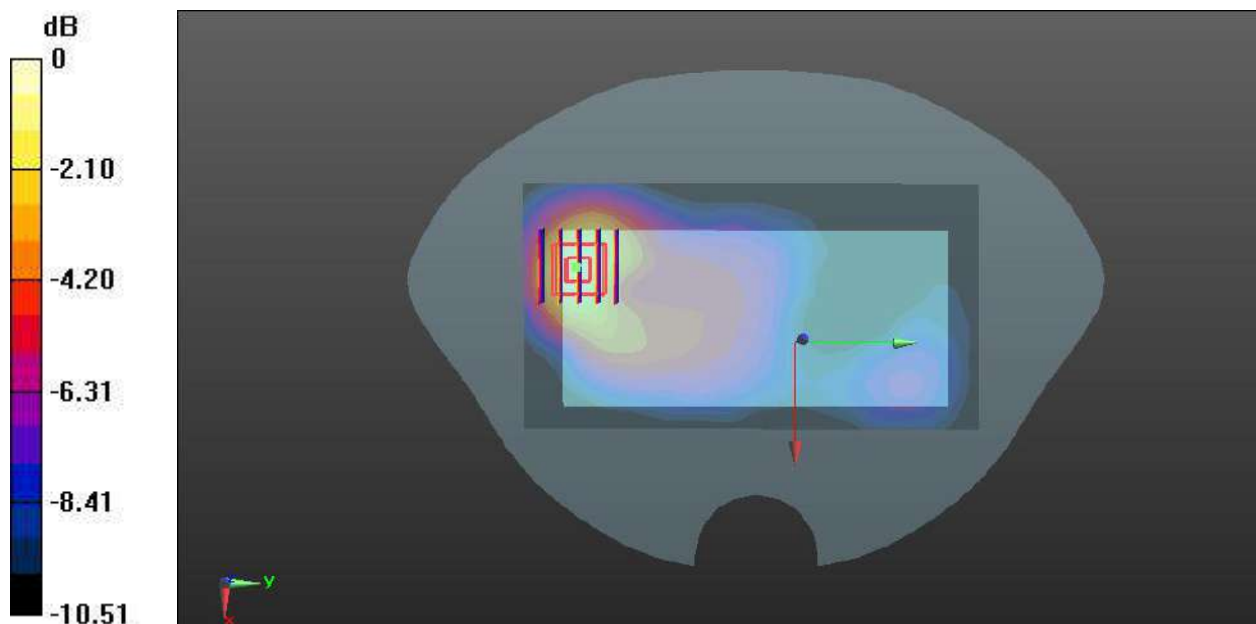
Ch1312/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.998 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.209 W/kg

SAR(1 g) = 0.136 W/kg; SAR(10 g) = 0.084 W/kg

Maximum value of SAR (measured) = 0.148 W/kg



0 dB = 0.148 W/kg

Meas.12 Body Plane with Top Edge 10mm on Low Channel in WCDMA Band4 mode with Antenna 1

Date: 2023.06.02

Communication System Band: Band 4; Frequency: 1712.4 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 1712.4$ MHz; $\sigma = 1.332$ S/m; $\epsilon_r = 40.678$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.7°C Liquid Temperature: 21.1°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(8.65, 8.65, 8.65); Calibrated: 2023.01.19;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2023.01.30
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch1312/Area Scan (61x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.435 W/kg

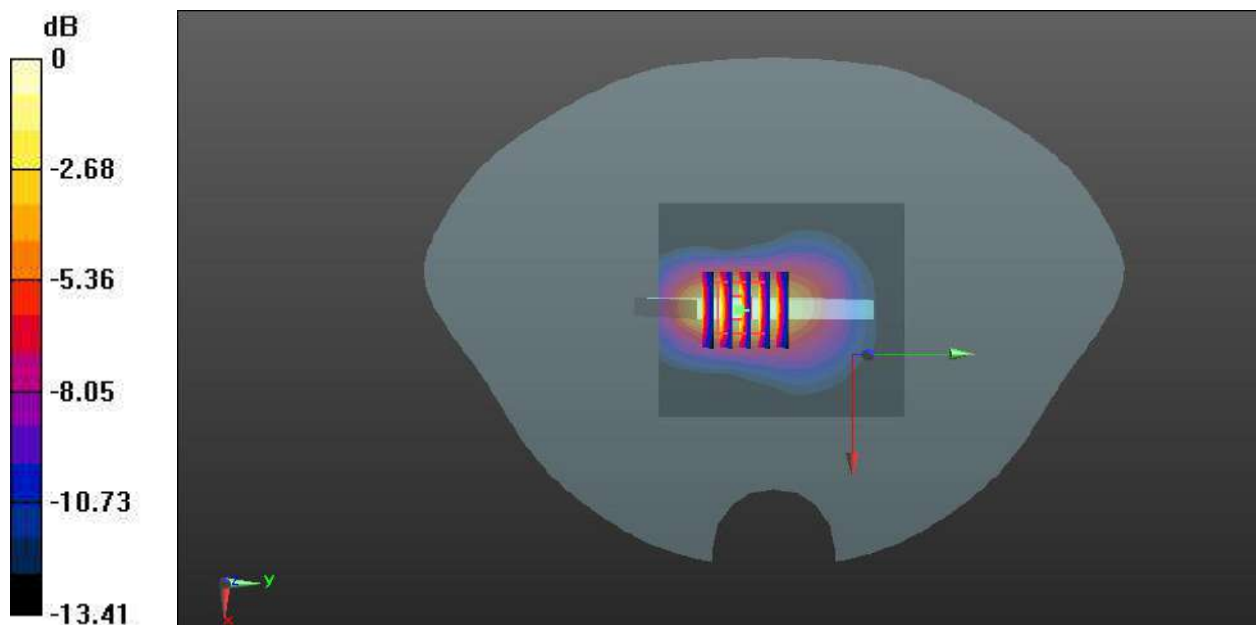
Ch1312/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.10 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.588 W/kg

SAR(1 g) = 0.346 W/kg; SAR(10 g) = 0.185 W/kg

Maximum value of SAR (measured) = 0.394 W/kg



0 dB = 0.394 W/kg

Meas.13 Body Plane with Top Edge 0mm on Low Channel in WCDMA Band4 mode with Antenna 1

Date: 2023.06.02

Communication System Band: Band 4; Frequency: 1712.4 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 1712.4$ MHz; $\sigma = 1.332$ S/m; $\epsilon_r = 40.678$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.7°C Liquid Temperature: 21.1°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(8.65, 8.65, 8.65); Calibrated: 2023.01.19;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2023.01.30
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch1312/Area Scan (61x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 3.00 W/kg

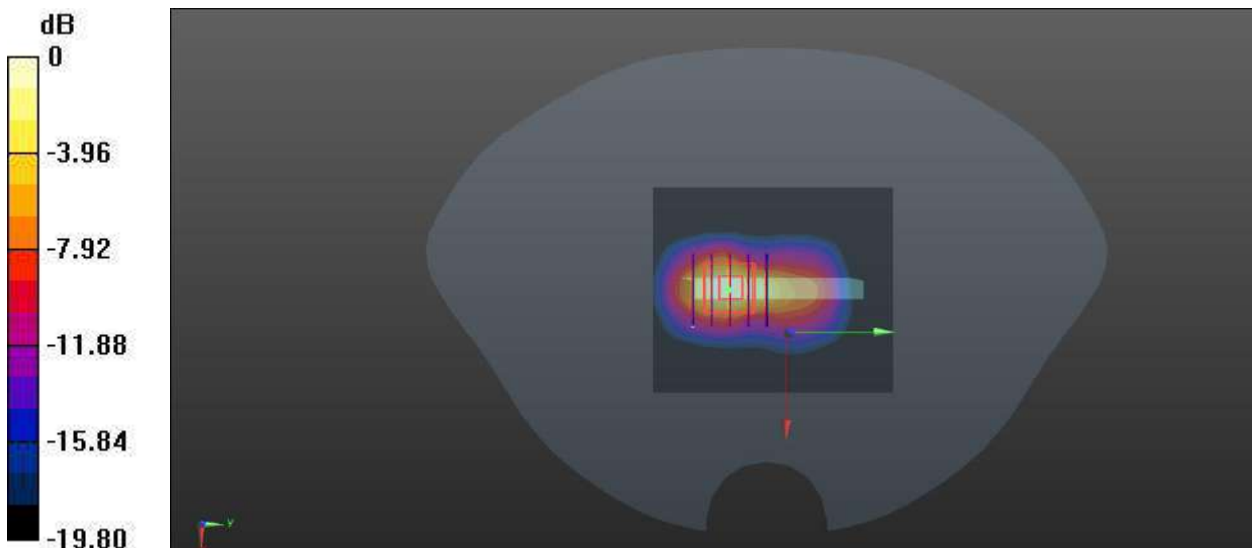
Ch1312/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 31.51 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 5.26 W/kg

SAR(1 g) = 2.24 W/kg; SAR(10 g) = 0.931 W/kg

Maximum value of SAR (measured) = 2.85 W/kg



0 dB = 2.85 W/kg

Meas.14 Right Head with Cheek on Middle Channel in WCDMA Band5 mode with Antenna 1

Date: 2023.05.29

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

Medium parameters used (interpolated): $f = 836.4$ MHz; $\sigma = 0.899$ S/m; $\epsilon_r = 40.458$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Ambient Temperature: 22.4°C Liquid Temperature: 21.1°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(9.97, 9.97, 9.97); Calibrated: 2023.01.19;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2023.01.30
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- 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) = 0.574 W/kg

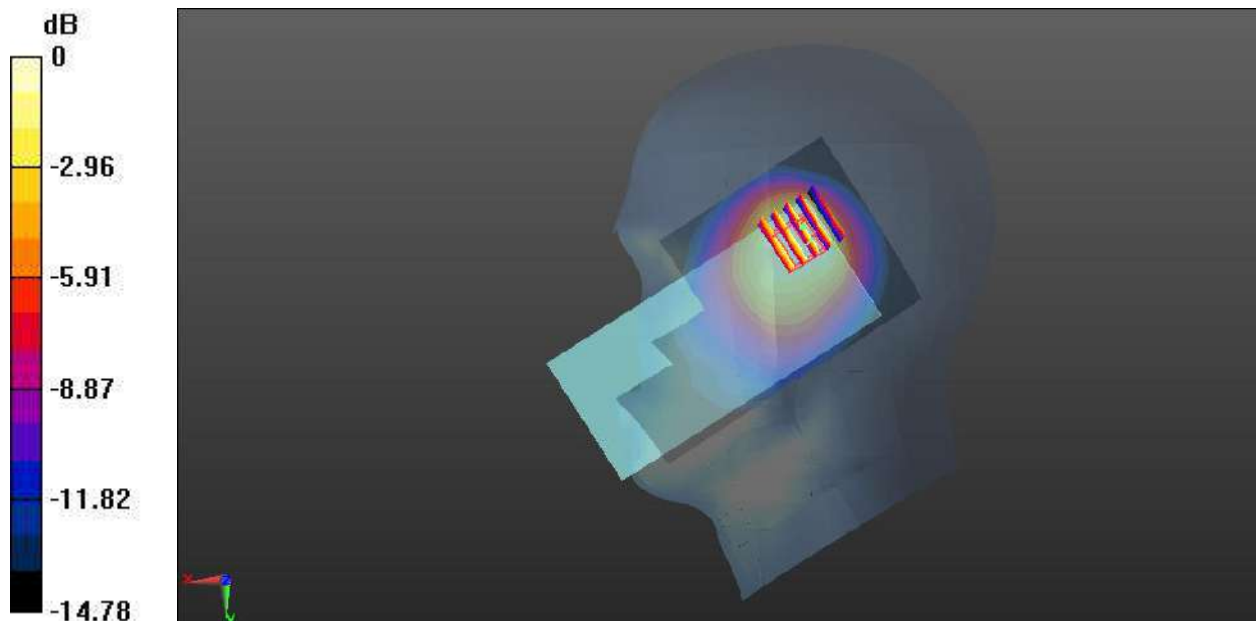
Ch4182/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.50 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.761 W/kg

SAR(1 g) = 0.389 W/kg; SAR(10 g) = 0.249 W/kg

Maximum value of SAR (measured) = 0.405 W/kg



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

Date: 2023.05.29

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

Medium parameters used (interpolated): $f = 836.4$ MHz; $\sigma = 0.899$ S/m; $\epsilon_r = 40.458$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.4°C Liquid Temperature: 21.1°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(9.97, 9.97, 9.97); Calibrated: 2023.01.19;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2023.01.30
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- 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) = 0.161 W/kg

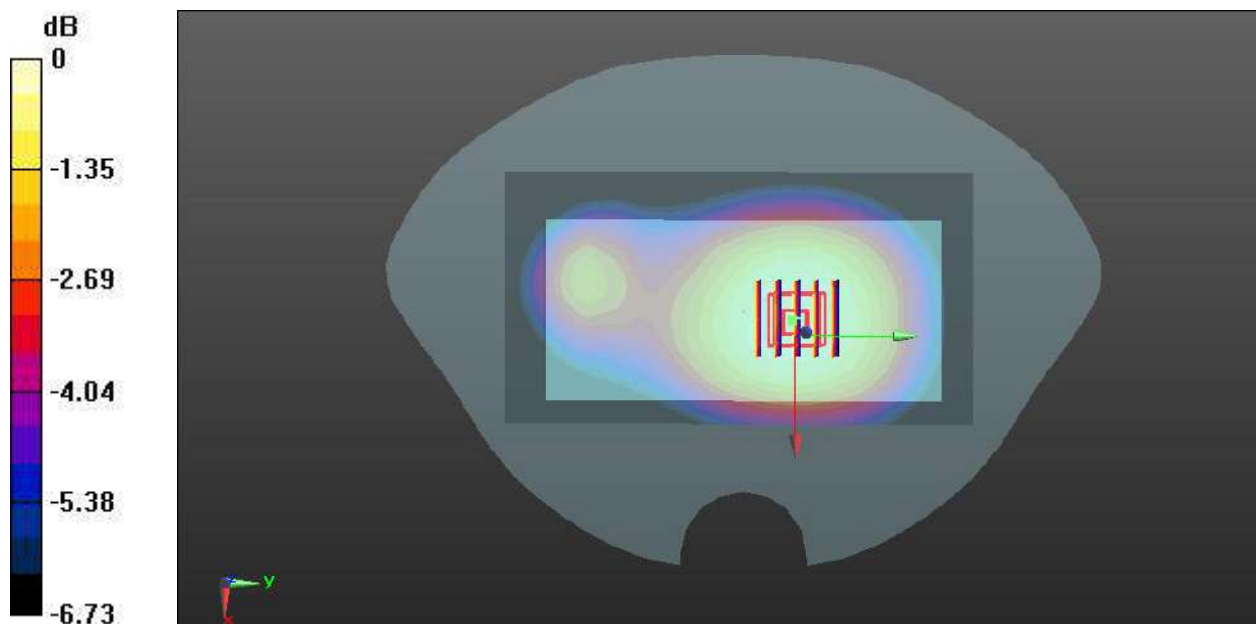
Ch4182/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.39 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 0.182 W/kg

SAR(1 g) = 0.152 W/kg; SAR(10 g) = 0.120 W/kg

Maximum value of SAR (measured) = 0.159 W/kg



0 dB = 0.159 W/kg

Meas.16 Body Plane with Back Side 10mm on Middle Channel in WCDMA Band5 mode with Antenna 0

Date: 2023.05.29

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

Medium parameters used (interpolated): $f = 836.4$ MHz; $\sigma = 0.899$ S/m; $\epsilon_r = 40.458$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.4°C Liquid Temperature: 21.1°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(9.97, 9.97, 9.97); Calibrated: 2023.01.19;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2023.01.30
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- 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) = 0.199 W/kg

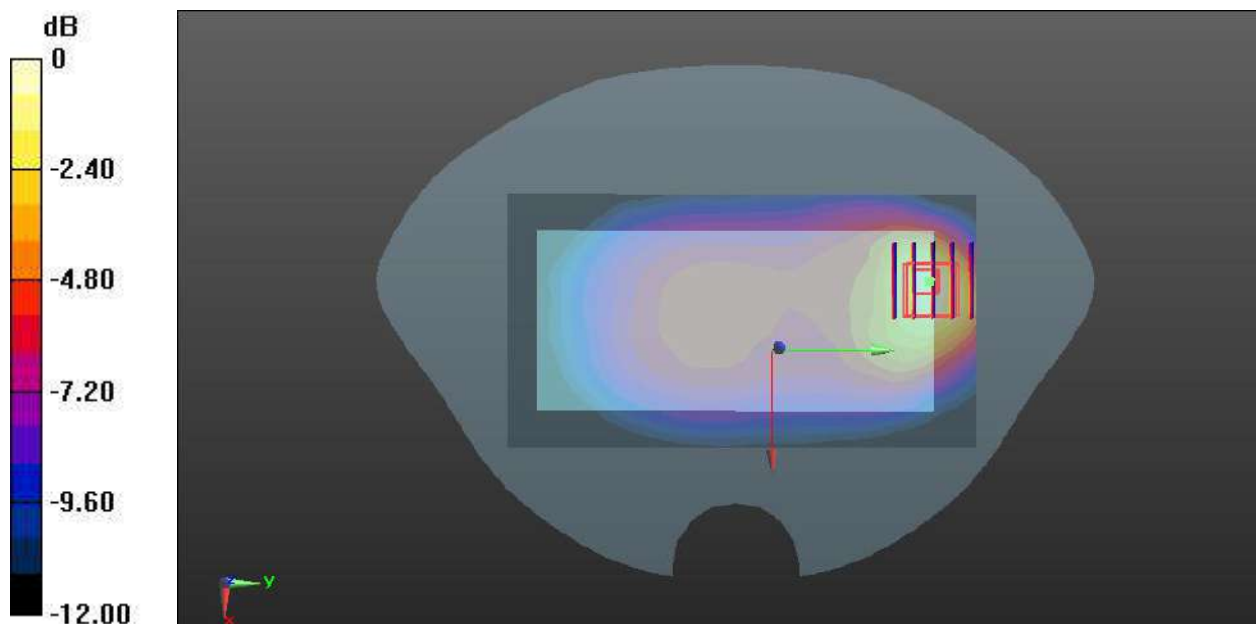
Ch4182/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.062 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 0.343 W/kg

SAR(1 g) = 0.188 W/kg; SAR(10 g) = 0.110 W/kg

Maximum value of SAR (measured) = 0.207 W/kg



0 dB = 0.207 W/kg

Meas.17 Right Head with Tilt on High Channel in LTE Band2 mode with Antenna 1

Date: 2023.06.09

Communication System Band: Band 2; Frequency: 1900 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1900$ MHz; $\sigma = 1.384$ S/m; $\epsilon_r = 38.62$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Ambient Temperature: 22.4°C Liquid Temperature: 21.4°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(8.21, 8.21, 8.21); Calibrated: 2023.01.19;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2023.01.30
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- 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) = 0.651 W/kg

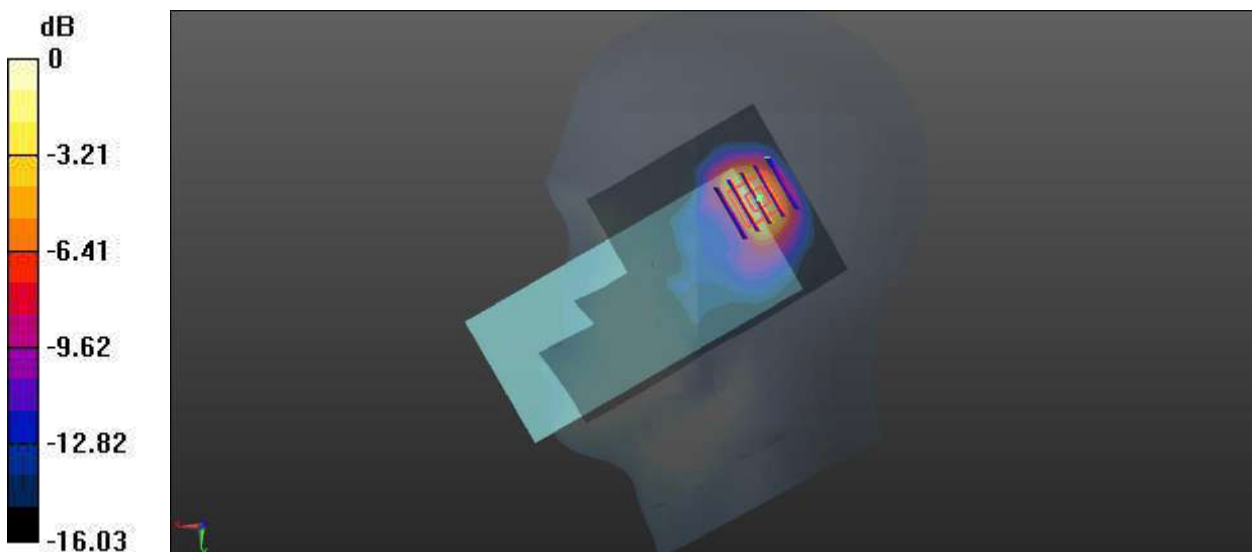
Ch19100/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.83 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 1.28 W/kg

SAR(1 g) = 0.662 W/kg; SAR(10 g) = 0.304 W/kg

Maximum value of SAR (measured) = 0.742 W/kg



0 dB = 0.742 W/kg

Meas.18 Body Plane with Back Side 15mm on High Channel in LTE Band2 mode with Antenna 1

Date: 2023.06.09

Communication System Band: Band 2; Frequency: 1900 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1900$ MHz; $\sigma = 1.384$ S/m; $\epsilon_r = 38.62$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.4°C Liquid Temperature: 21.4°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(8.21, 8.21, 8.21); Calibrated: 2023.01.19;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2023.01.30
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- 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) = 0.139 W/kg

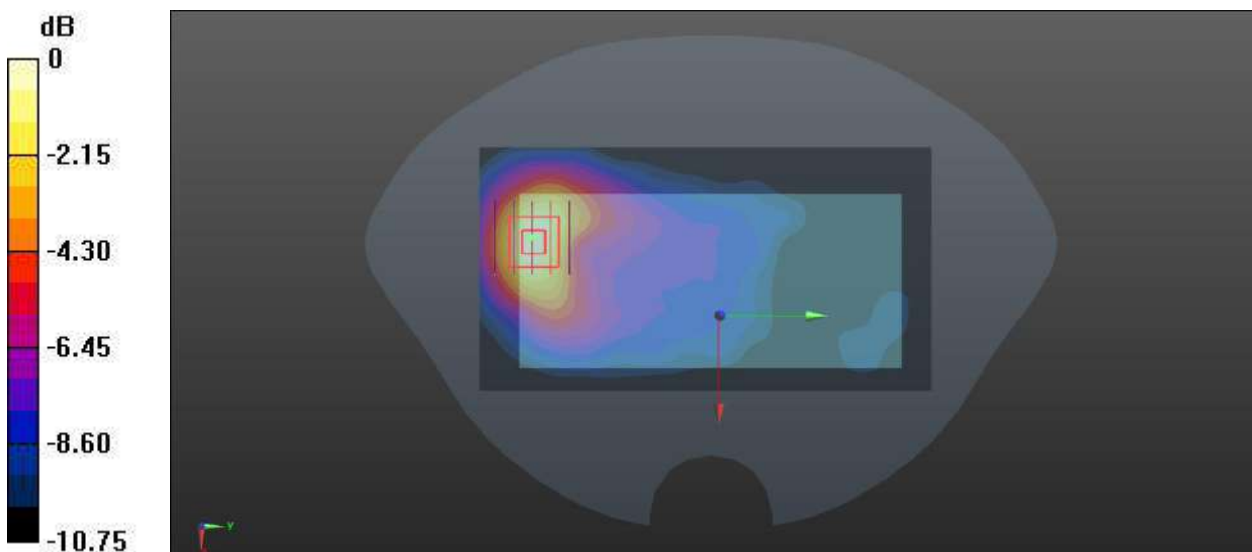
Ch19100/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 3.870 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 0.201 W/kg

SAR(1 g) = 0.128 W/kg; SAR(10 g) = 0.077 W/kg

Maximum value of SAR (measured) = 0.141 W/kg



0 dB = 0.141 W/kg

Meas.19 Body Plane with Top Edge 10mm on High Channel in LTE Band2 mode with Antenna 1

Date: 2023.06.09

Communication System Band: Band 2; Frequency: 1900 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1900$ MHz; $\sigma = 1.384$ S/m; $\epsilon_r = 38.62$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.4°C Liquid Temperature: 21.4°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(8.21, 8.21, 8.21); Calibrated: 2023.01.19;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2023.01.30
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch19100/Area Scan (61x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.344 W/kg

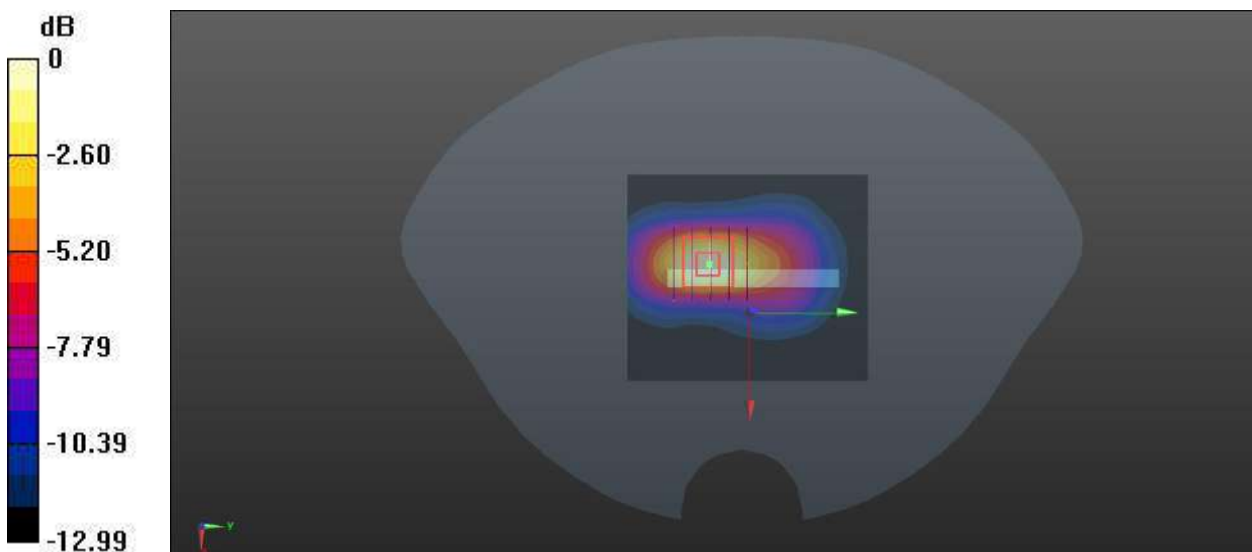
Ch19100/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.73 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.467 W/kg

SAR(1 g) = 0.270 W/kg; SAR(10 g) = 0.143 W/kg

Maximum value of SAR (measured) = 0.308 W/kg



0 dB = 0.308 W/kg

Meas.20 Right Head with Tilt on Middle Channel in LTE Band4 mode with Antenna 1

Date: 2023.06.03

Communication System Band: Band 4; Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 1732.5$ MHz; $\sigma = 1.357$ S/m; $\epsilon_r = 39.699$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Ambient Temperature: 22.1°C Liquid Temperature: 21.3°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(8.65, 8.65, 8.65); Calibrated: 2023.01.19;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2023.01.30
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch20175/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.675 W/kg

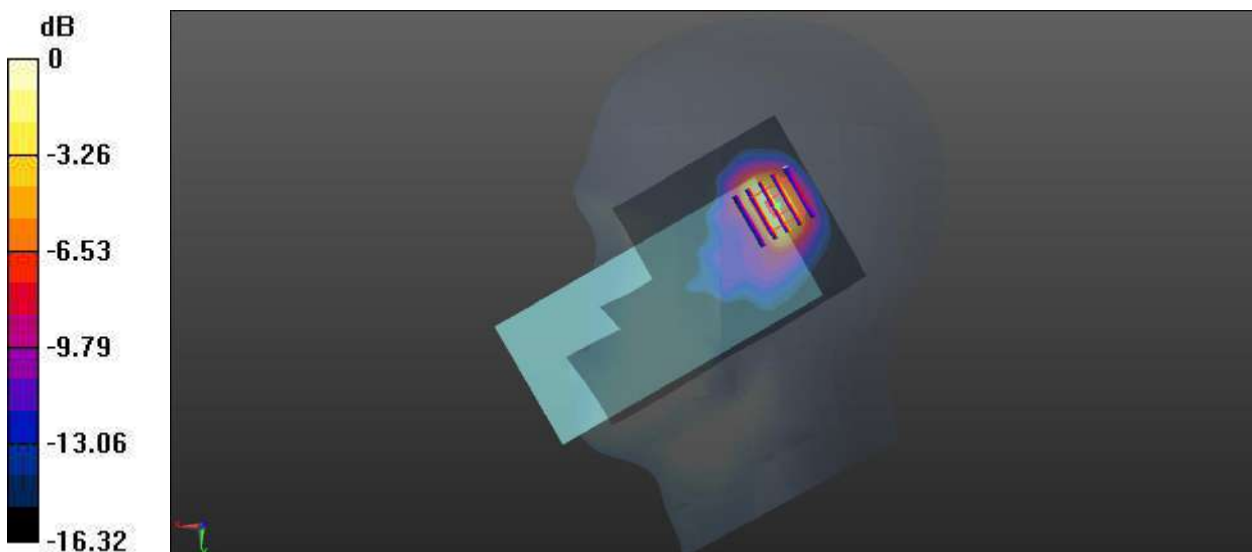
Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.64 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 1.37 W/kg

SAR(1 g) = 0.685 W/kg; SAR(10 g) = 0.320 W/kg

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



0 dB = 0.831 W/kg

Meas.21 Body Plane with Back Side 15mm on Middle Channel in LTE Band4 mode with Antenna 1

Date: 2023.06.03

Communication System Band: Band 4; Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 1732.5$ MHz; $\sigma = 1.357$ S/m; $\epsilon_r = 39.699$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.1°C Liquid Temperature: 21.3°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(8.65, 8.65, 8.65); Calibrated: 2023.01.19;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2023.01.30
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch20175/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.152 W/kg

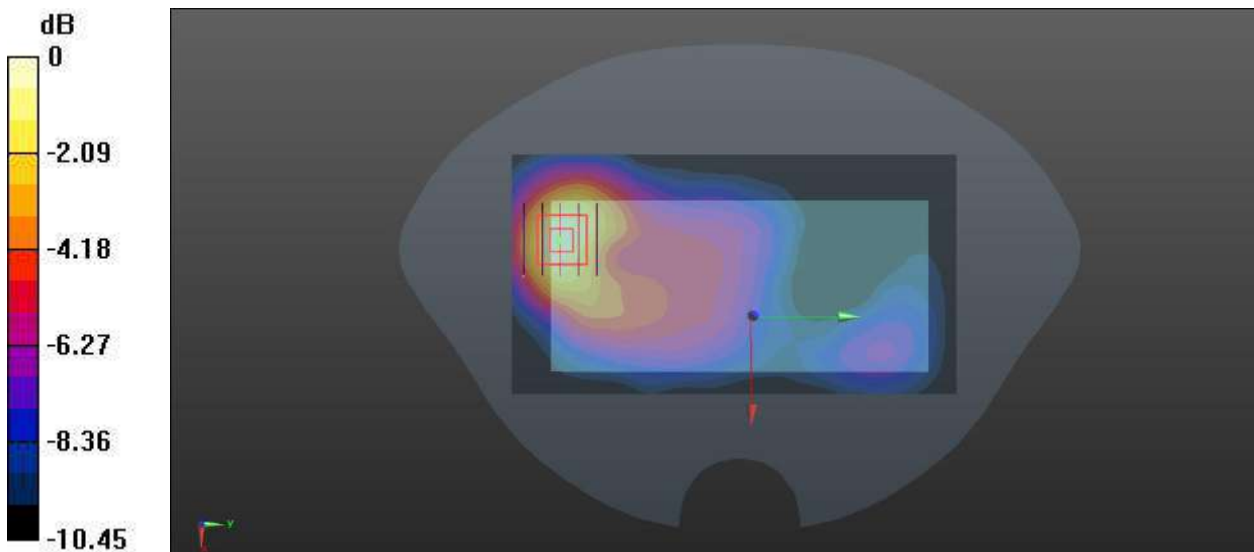
Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.848 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.213 W/kg

SAR(1 g) = 0.138 W/kg; SAR(10 g) = 0.085 W/kg

Maximum value of SAR (measured) = 0.151 W/kg



0 dB = 0.151 W/kg

Meas.22 Body Plane with Top Edge 10mm on High Channel in LTE Band4 mode with Antenna 1

Date: 2023.06.03

Communication System Band: Band 4; Frequency: 1745 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 1745$ MHz; $\sigma = 1.377$ S/m; $\epsilon_r = 39.096$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.1°C Liquid Temperature: 21.3°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(8.65, 8.65, 8.65); Calibrated: 2023.01.19;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2023.01.30
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch20300/Area Scan (61x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.422 W/kg

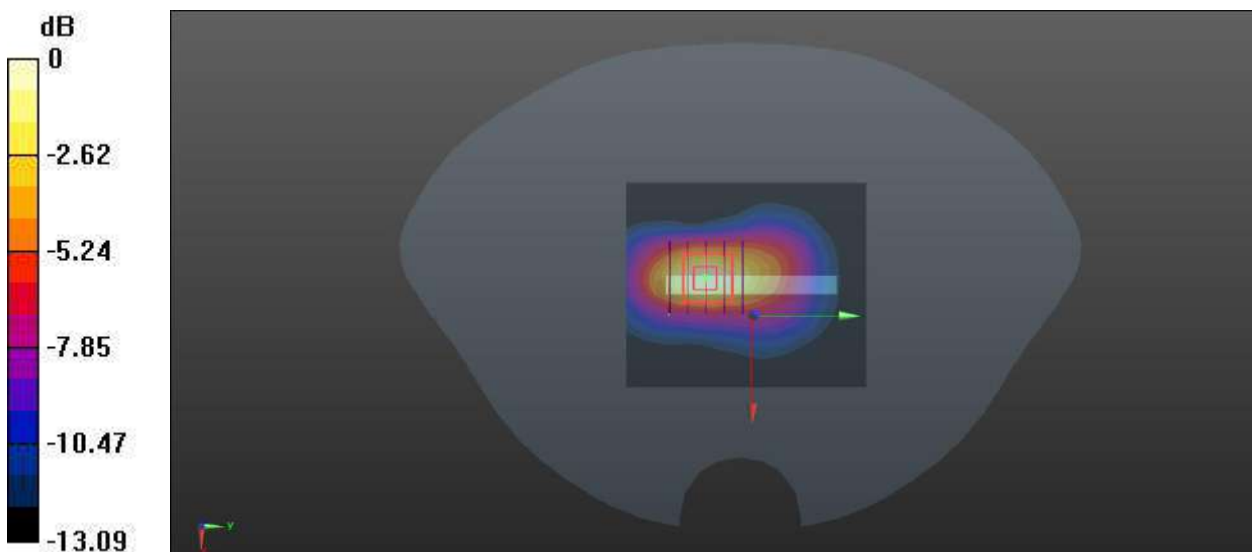
Ch20300/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.45 V/m; Power Drift = -0.00 dB

Peak SAR (extrapolated) = 0.580 W/kg

SAR(1 g) = 0.343 W/kg; SAR(10 g) = 0.184 W/kg

Maximum value of SAR (measured) = 0.391 W/kg



0 dB = 0.391 W/kg

Meas.23 Right Head with Cheek on Middle Channel in LTE Band5 mode with Antenna 1

Date: 2023.05.30

Communication System Band: Band 5; Frequency: 836.5 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 836.5$ MHz; $\sigma = 0.89$ S/m; $\epsilon_r = 41.641$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Ambient Temperature: 22.2°C Liquid Temperature: 21.2°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(9.97, 9.97, 9.97); Calibrated: 2023.01.19;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2023.01.30
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch20525/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.609 W/kg

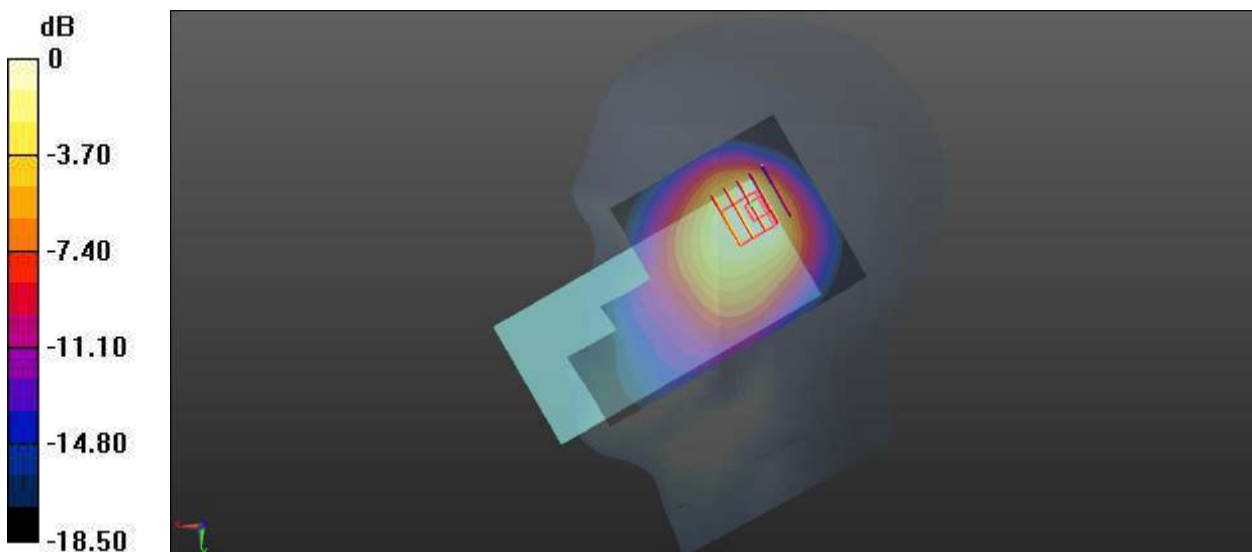
Ch20525/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 17.82 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 0.961 W/kg

SAR(1 g) = 0.473 W/kg; SAR(10 g) = 0.291 W/kg

Maximum value of SAR (measured) = 0.498 W/kg



0 dB = 0.498 W/kg

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

Date: 2023.05.30

Communication System Band: Band 5; Frequency: 836.5 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 836.5$ MHz; $\sigma = 0.89$ S/m; $\epsilon_r = 41.641$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature:22.2°C Liquid Temperature:21.2°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(9.97, 9.97, 9.97); Calibrated: 2023.01.19;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics:DAE4 Sn1710; Calibrated: 2023.01.30
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch20525/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.156 W/kg

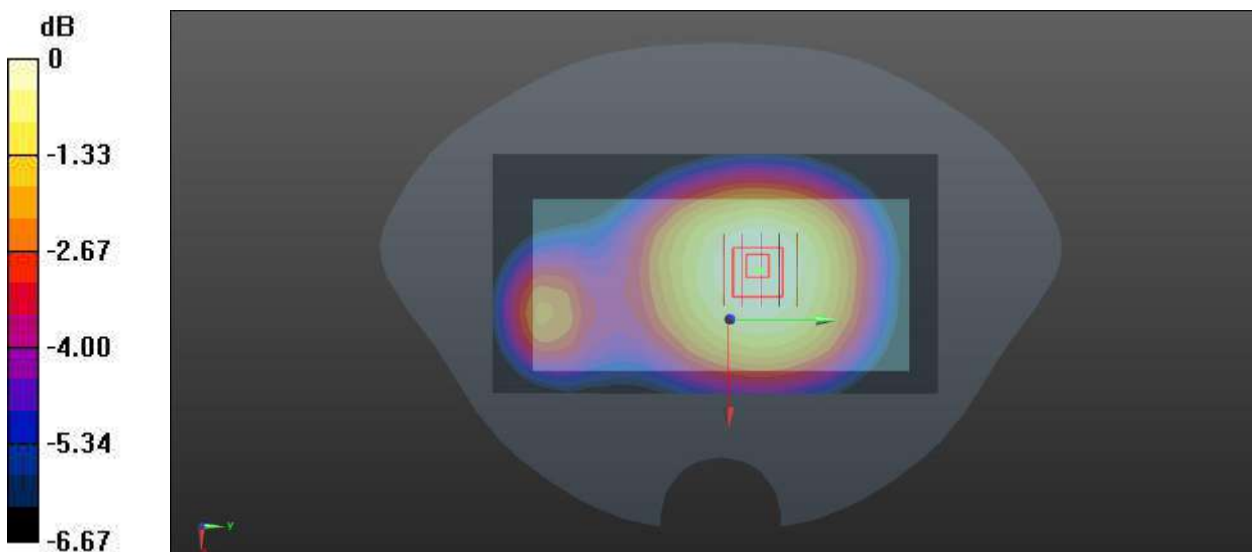
Ch20525/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.95 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.176 W/kg

SAR(1 g) = 0.147 W/kg; SAR(10 g) = 0.116 W/kg

Maximum value of SAR (measured) = 0.154 W/kg



0 dB = 0.154 W/kg

Meas.25 Body Plane with Back Side 10mm on Middle Channel in LTE Band5 mode with Antenna 0

Date: 2023.05.30

Communication System Band: Band 5; Frequency: 836.5 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 836.5$ MHz; $\sigma = 0.89$ S/m; $\epsilon_r = 41.641$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.2°C Liquid Temperature: 21.2°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(9.97, 9.97, 9.97); Calibrated: 2023.01.19;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2023.01.30
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch20525/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.233 W/kg

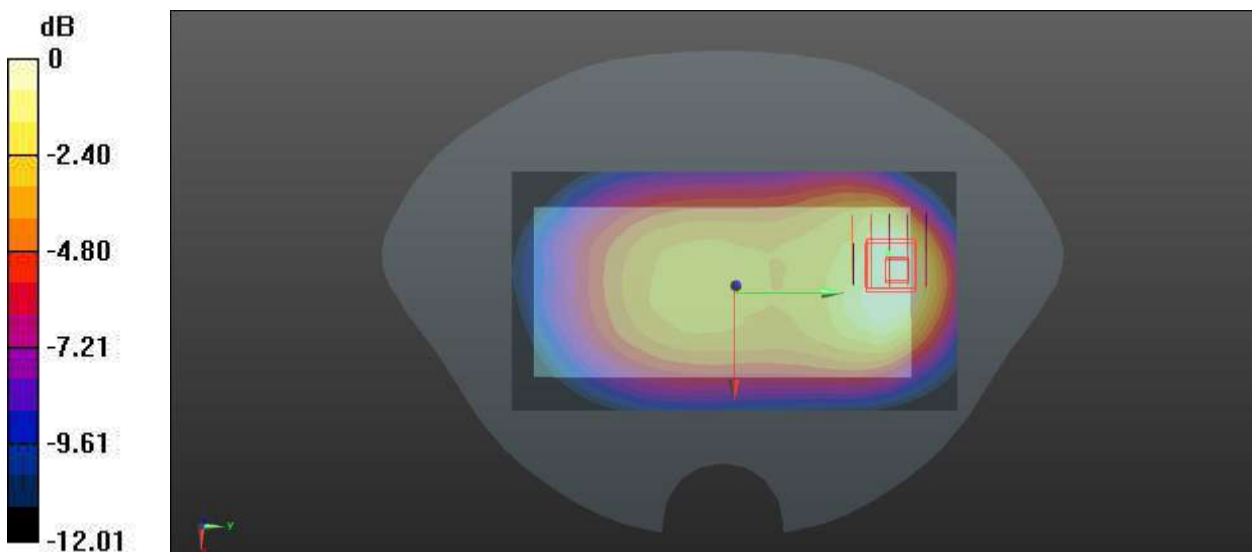
Ch20525/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.46 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.347 W/kg

SAR(1 g) = 0.212 W/kg; SAR(10 g) = 0.136 W/kg

Maximum value of SAR (measured) = 0.224 W/kg



0 dB = 0.224 W/kg

Meas.26 Right Head with Cheek on High Channel in LTE Band7 mode with Antenna 1

Date: 2023.06.11

Communication System Band: Band 7; Frequency: 2560 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 2560$ MHz; $\sigma = 1.948$ S/m; $\epsilon_r = 38.668$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Ambient Temperature: 22.2°C Liquid Temperature: 21.2°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.6, 7.6, 7.6); Calibrated: 2023.01.19;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2023.01.30
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- 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) = 0.791 W/kg

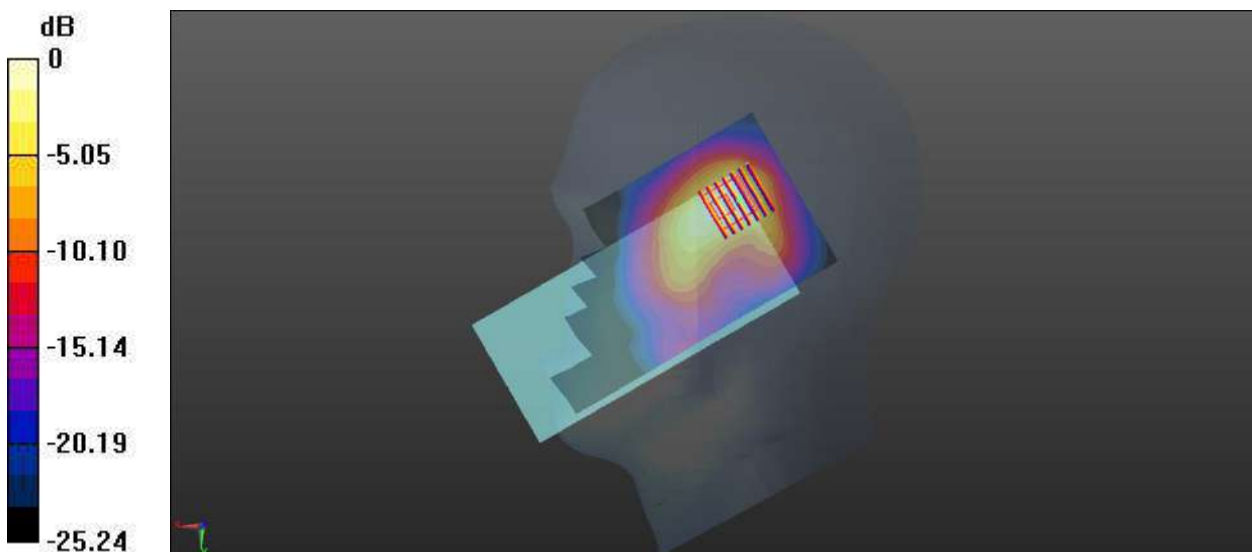
Ch21350/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 8.480 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 1.26 W/kg

SAR(1 g) = 0.718 W/kg; SAR(10 g) = 0.366 W/kg

Maximum value of SAR (measured) = 0.813 W/kg



0 dB = 0.813 W/kg

Meas.27 Right Head with Cheek on PCC21350+SCC21152 Channel in LTE Band7 mode with Antenna 1

Date: 2023.06.11

Communication System Band: Band 7; Frequency: 2560 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 2560$ MHz; $\sigma = 1.948$ S/m; $\epsilon_r = 38.668$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Ambient Temperature: 22.2°C Liquid Temperature: 21.2°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.6, 7.6, 7.6); Calibrated: 2023.01.19;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2023.01.30
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch20850/Area Scan (81x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 1.02 W/kg

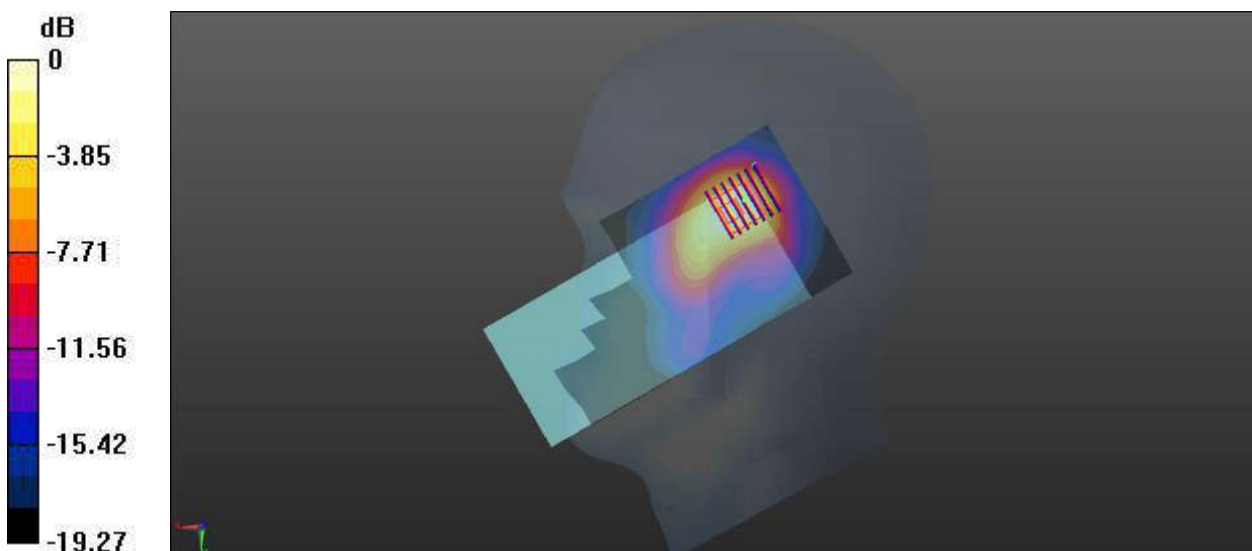
Ch20850/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 9.268 V/m; Power Drift = -0.37 dB

Peak SAR (extrapolated) = 1.65 W/kg

SAR(1 g) = 0.843 W/kg; SAR(10 g) = 0.426 W/kg

Maximum value of SAR (measured) = 0.952 W/kg



0 dB = 0.952 W/kg

Meas.28 Body Plane with Back Side 15mm on Low Channel in LTE Band7 mode with Antenna 0

Date: 2023.06.11

Communication System Band: Band 7; Frequency: 2510 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 2510$ MHz; $\sigma = 1.844$ S/m; $\epsilon_r = 40.059$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.2°C Liquid Temperature: 21.2°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.78, 7.78, 7.78); Calibrated: 2023.01.19;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2023.01.30
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch20850/Area Scan (81x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.218 W/kg

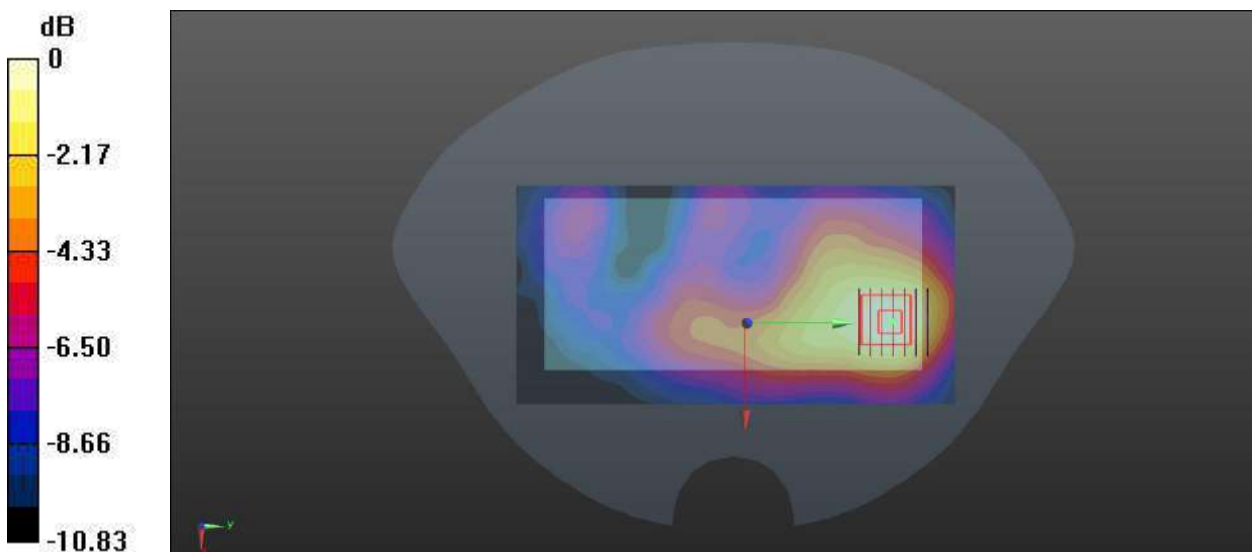
Ch20850/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 4.998 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.315 W/kg

SAR(1 g) = 0.195 W/kg; SAR(10 g) = 0.120 W/kg

Maximum value of SAR (measured) = 0.213 W/kg



0 dB = 0.213 W/kg

Meas.29 Body Plane with Back Side 15mm on PCC20850+SCC21048 Channel in LTE Band7 mode with Antenna 0

Date: 2023.06.11

Communication System Band: Band 7; Frequency: 2510 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 2510$ MHz; $\sigma = 1.844$ S/m; $\epsilon_r = 40.059$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.2°C Liquid Temperature: 21.2°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.78, 7.78, 7.78); Calibrated: 2023.01.19;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2023.01.30
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch20850/Area Scan (81x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.161 W/kg

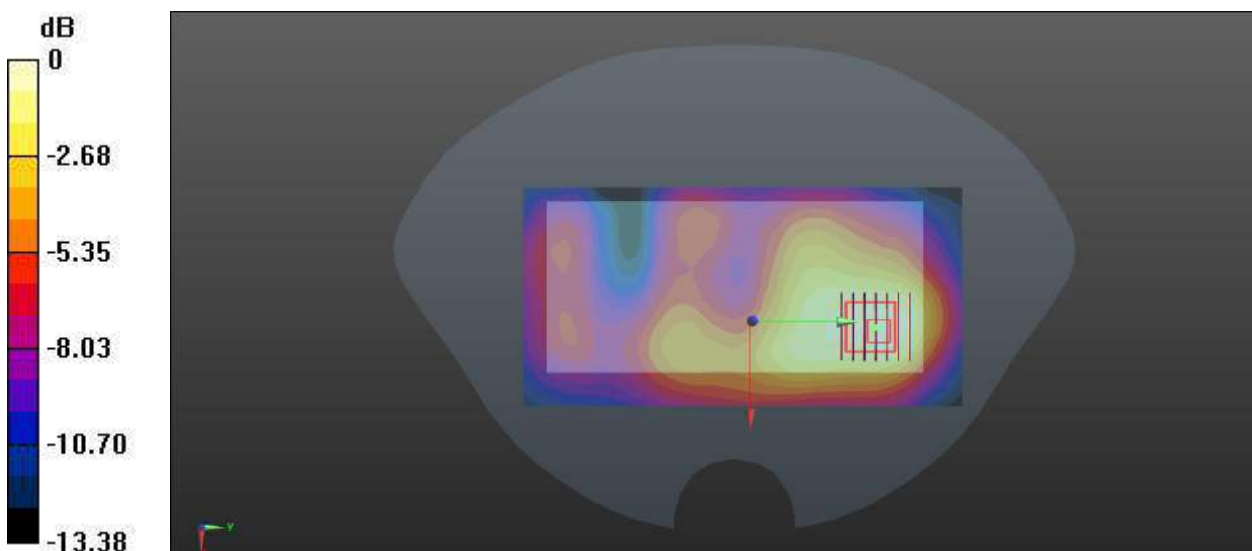
Ch20850/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 3.703 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.255 W/kg

SAR(1 g) = 0.152 W/kg; SAR(10 g) = 0.090 W/kg

Maximum value of SAR (measured) = 0.164 W/kg



0 dB = 0.164 W/kg

Meas.30 Body Plane with Back Side 10mm on Low Channel in LTE Band7 mode with Antenna 0

Date: 2023.06.11

Communication System Band: Band 7; Frequency: 2510 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 2510$ MHz; $\sigma = 1.844$ S/m; $\epsilon_r = 40.059$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.2°C Liquid Temperature: 21.2°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.78, 7.78, 7.78); Calibrated: 2023.01.19;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2023.01.30
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch20850/Area Scan (81x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.373 W/kg

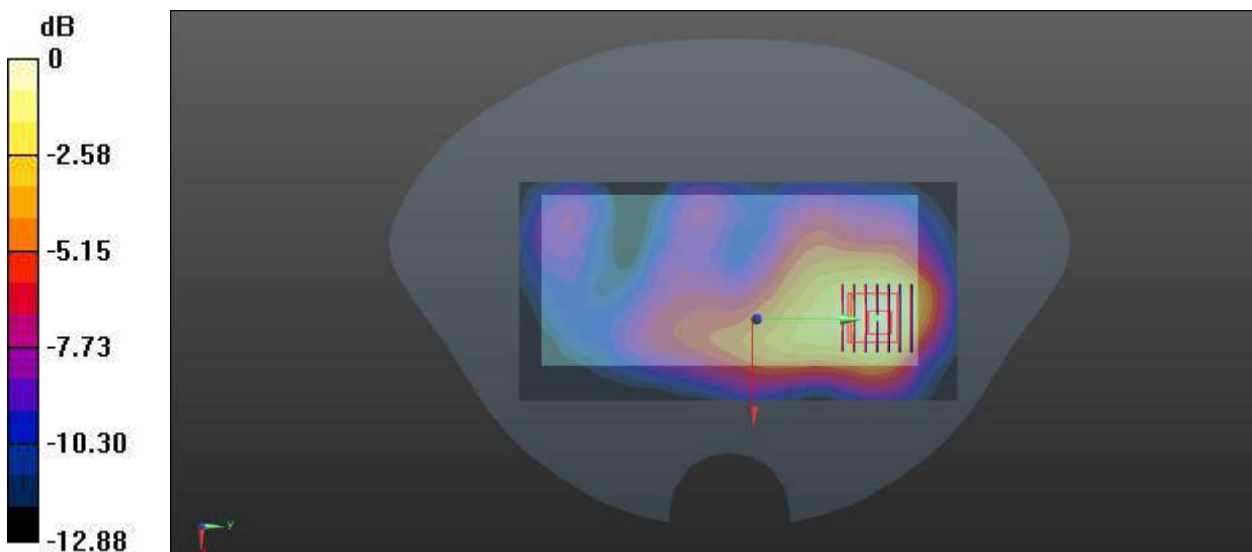
Ch20850/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 5.001 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.573 W/kg

SAR(1 g) = 0.344 W/kg; SAR(10 g) = 0.197 W/kg

Maximum value of SAR (measured) = 0.373 W/kg



0 dB = 0.373 W/kg

Meas.31 Body Plane with Back Side 10mm on PCC20850+SCC21048 Channel in LTE Band7 mode with Antenna 0

Date: 2023.06.11

Communication System Band: Band 7; Frequency: 2510 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 2510$ MHz; $\sigma = 1.844$ S/m; $\epsilon_r = 40.059$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.2°C Liquid Temperature: 21.2°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.78, 7.78, 7.78); Calibrated: 2023.01.19;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2023.01.30
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- 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) = 0.312 W/kg

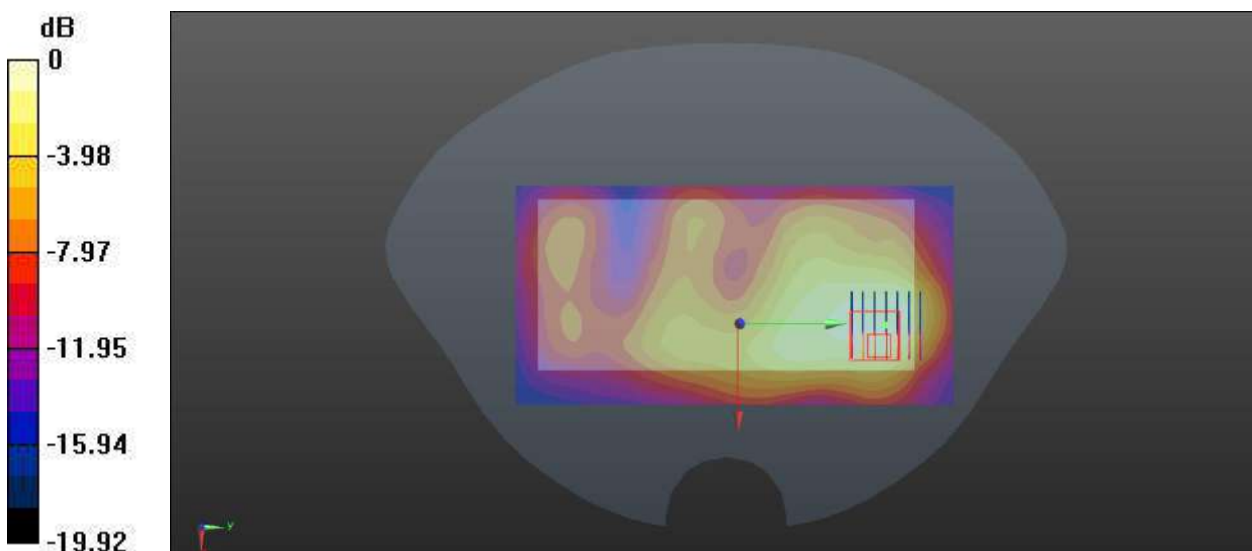
Ch21100/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 4.683 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.844 W/kg

SAR(1 g) = 0.277 W/kg; SAR(10 g) = 0.087 W/kg

Maximum value of SAR (measured) = 0.309 W/kg



0 dB = 0.309 W/kg

Meas.32 Right Head with Cheek on Middle Channel in LTE Band12 mode with Antenna 1

Date: 2023.05.27

Communication System Band: Band 12; Frequency: 707.5 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 707.5$ MHz; $\sigma = 0.901$ S/m; $\epsilon_r = 42.98$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Ambient Temperature: 22.1°C Liquid Temperature: 21.1°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(10.4, 10.4, 10.4); Calibrated: 2023.01.19;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2023.01.30
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch23095/Area Scan (71x111x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.771 W/kg

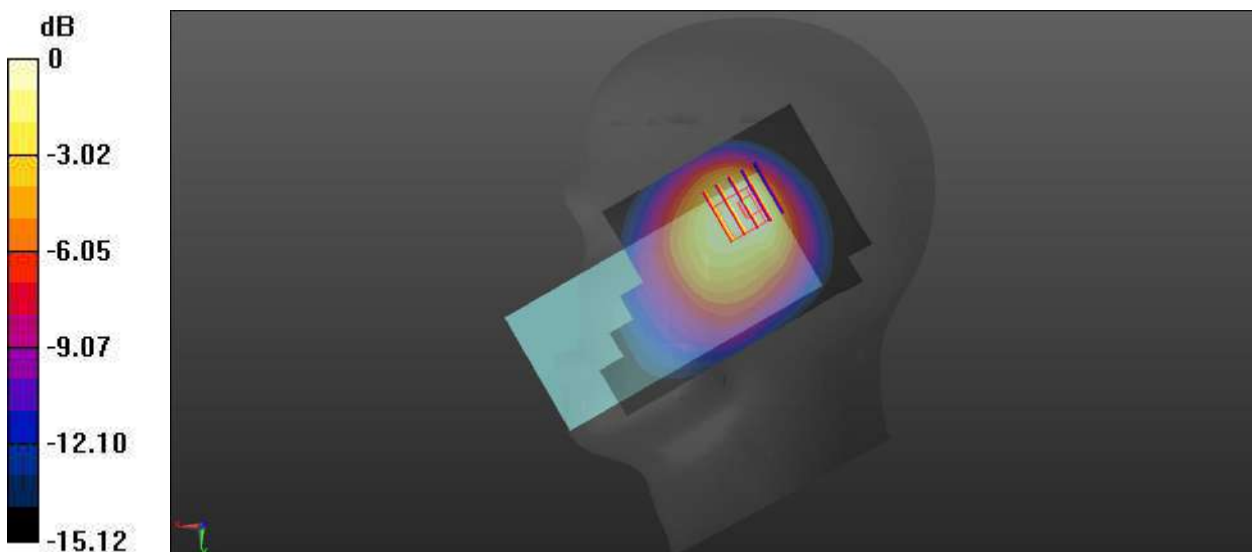
Ch23095/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 18.63 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 1.11 W/kg

SAR(1 g) = 0.566 W/kg; SAR(10 g) = 0.354 W/kg

Maximum value of SAR (measured) = 0.594 W/kg



0 dB = 0.594 W/kg

Meas.33 Body Plane with Back Side 15mm on Middle Channel in LTE Band12 mode with Antenna 0

Date: 2023.05.27

Communication System Band: Band 12; Frequency: 707.5 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 707.5$ MHz; $\sigma = 0.901$ S/m; $\epsilon_r = 42.98$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.1°C Liquid Temperature: 21.1°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(10.4, 10.4, 10.4); Calibrated: 2023.01.19;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2023.01.30
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch23095/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.112 W/kg

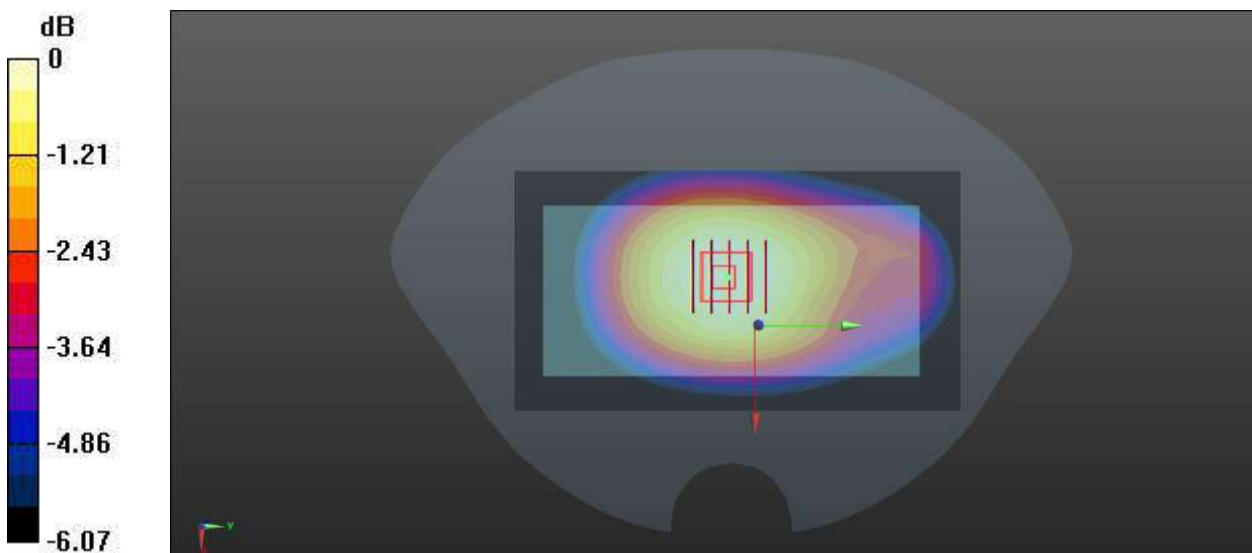
Ch23095/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.09 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.127 W/kg

SAR(1 g) = 0.108 W/kg; SAR(10 g) = 0.087 W/kg

Maximum value of SAR (measured) = 0.112 W/kg



0 dB = 0.112 W/kg

Meas.34 Body Plane with Right Edge 10mm on Middle Channel in LTE Band12 mode with Antenna

1

Date: 2023.05.27

Communication System Band: Band 12; Frequency: 707.5 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 707.5$ MHz; $\sigma = 0.901$ S/m; $\epsilon_r = 42.98$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.1°C Liquid Temperature: 21.1°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(10.4, 10.4, 10.4); Calibrated: 2023.01.19;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2023.01.30
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch23095/Area Scan (51x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.191 W/kg

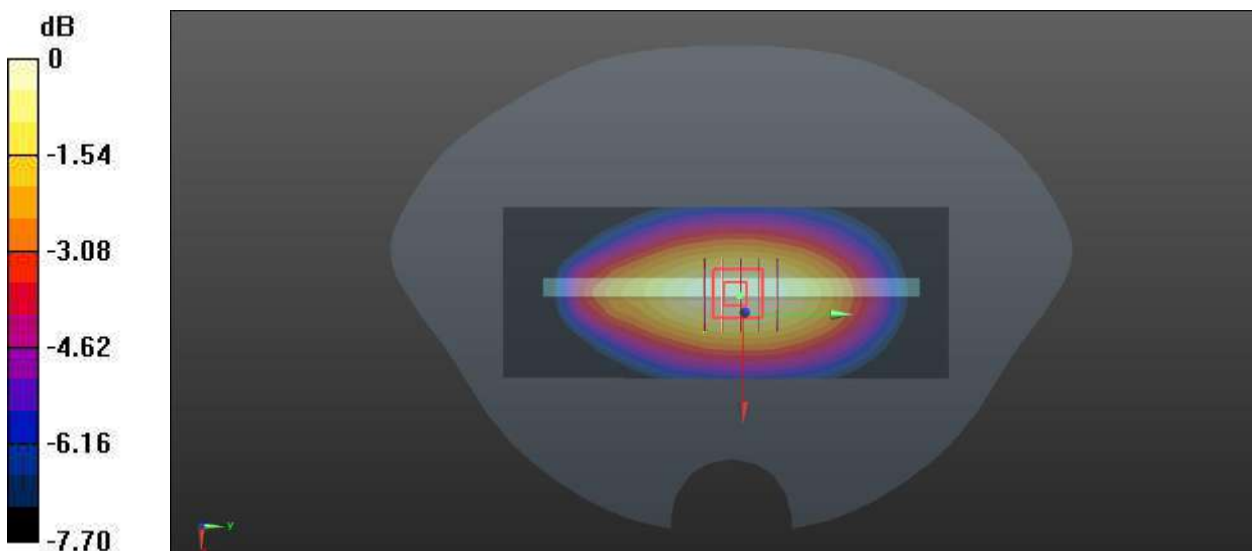
Ch23095/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.13 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.236 W/kg

SAR(1 g) = 0.178 W/kg; SAR(10 g) = 0.129 W/kg

Maximum value of SAR (measured) = 0.189 W/kg



0 dB = 0.189 W/kg

Meas.35 Right Head with Cheek on Middle Channel in LTE Band13 mode with Antenna 1

Date: 2023.05.27

Communication System Band: Band 13; Frequency: 782 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 782$ MHz; $\sigma = 0.918$ S/m; $\epsilon_r = 40.988$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Ambient Temperature: 22.1°C Liquid Temperature: 21.1°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(10.4, 10.4, 10.4); Calibrated: 2023.01.19;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2023.01.30
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch23230/Area Scan (71x111x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.549 W/kg

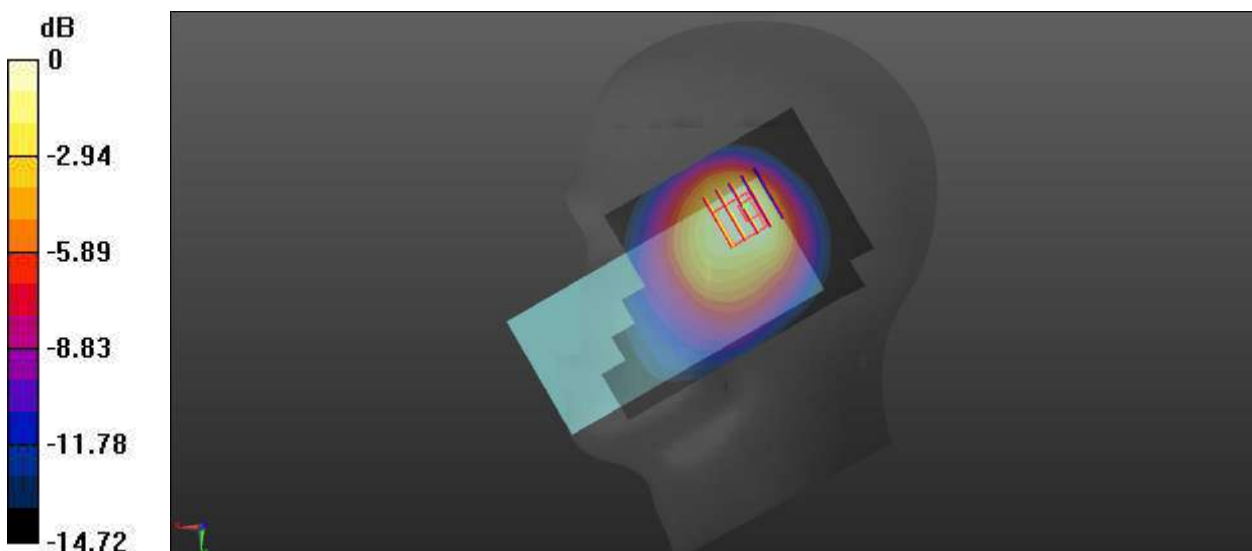
Ch23230/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.09 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 0.802 W/kg

SAR(1 g) = 0.396 W/kg; SAR(10 g) = 0.252 W/kg

Maximum value of SAR (measured) = 0.405 W/kg



0 dB = 0.405 W/kg

Meas.36 Body Plane with Back Side 15mm on Middle Channel in LTE Band13 mode with Antenna 1

Date: 2023.05.27

Communication System Band: Band 13; Frequency: 782 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 782$ MHz; $\sigma = 0.918$ S/m; $\epsilon_r = 40.988$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.1°C Liquid Temperature: 21.1°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(10.4, 10.4, 10.4); Calibrated: 2023.01.19;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2023.01.30
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- 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) = 0.153 W/kg

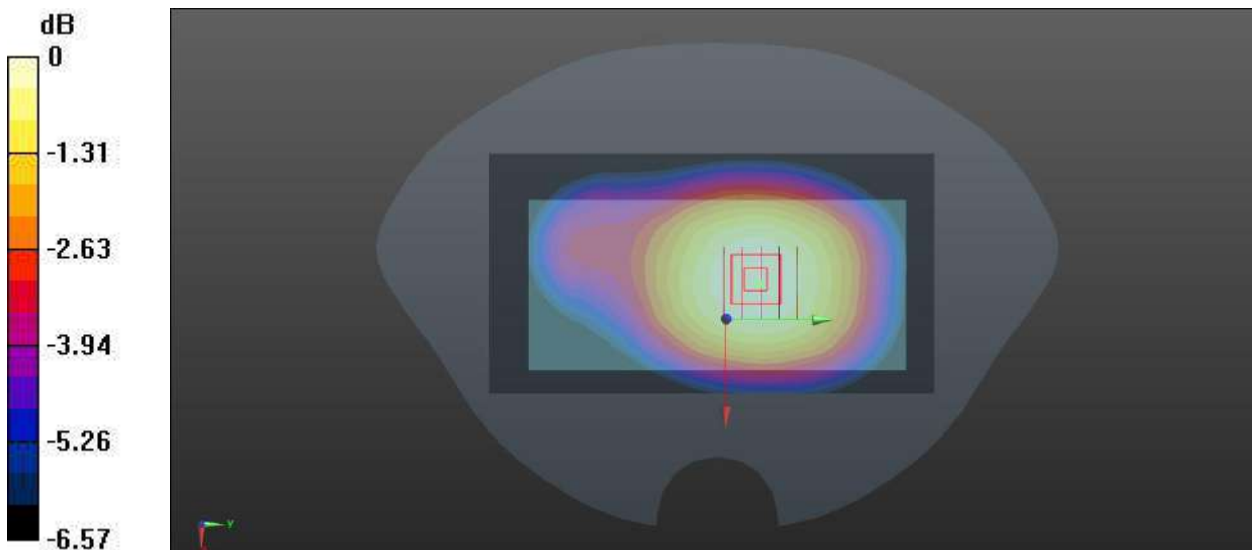
Ch23230/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.52 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 0.171 W/kg

SAR(1 g) = 0.145 W/kg; SAR(10 g) = 0.115 W/kg

Maximum value of SAR (measured) = 0.151 W/kg



0 dB = 0.151 W/kg

Meas.37 Body Plane with Back Side 10mm on Middle Channel in LTE Band13 mode with Antenna 1

Date: 2023.05.28

Communication System Band: Band 13; Frequency: 782 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 782$ MHz; $\sigma = 0.918$ S/m; $\epsilon_r = 40.988$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.1°C Liquid Temperature: 21.1°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(10.4, 10.4, 10.4); Calibrated: 2023.01.19;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2023.01.30
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- 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) = 0.143 W/kg

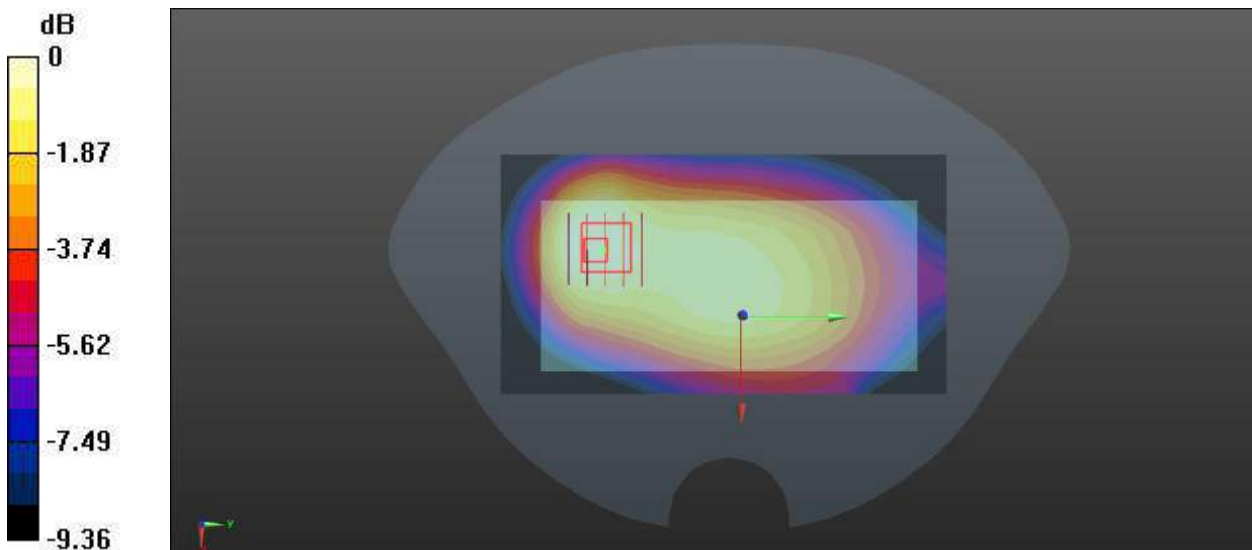
Ch23230/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.67 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 0.174 W/kg

SAR(1 g) = 0.129 W/kg; SAR(10 g) = 0.091 W/kg

Maximum value of SAR (measured) = 0.135 W/kg



0 dB = 0.135 W/kg

Meas.38 Right Head with Cheek on Middle Channel in LTE Band17 mode with Antenna 1

Date: 2023.05.28

Communication System Band: Band 17; Frequency: 710 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 710$ MHz; $\sigma = 0.892$ S/m; $\epsilon_r = 43.334$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Ambient Temperature: 22.4°C Liquid Temperature: 21.2°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(10.4, 10.4, 10.4); Calibrated: 2023.01.19;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2023.01.30
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch23790/Area Scan (71x111x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.773 W/kg

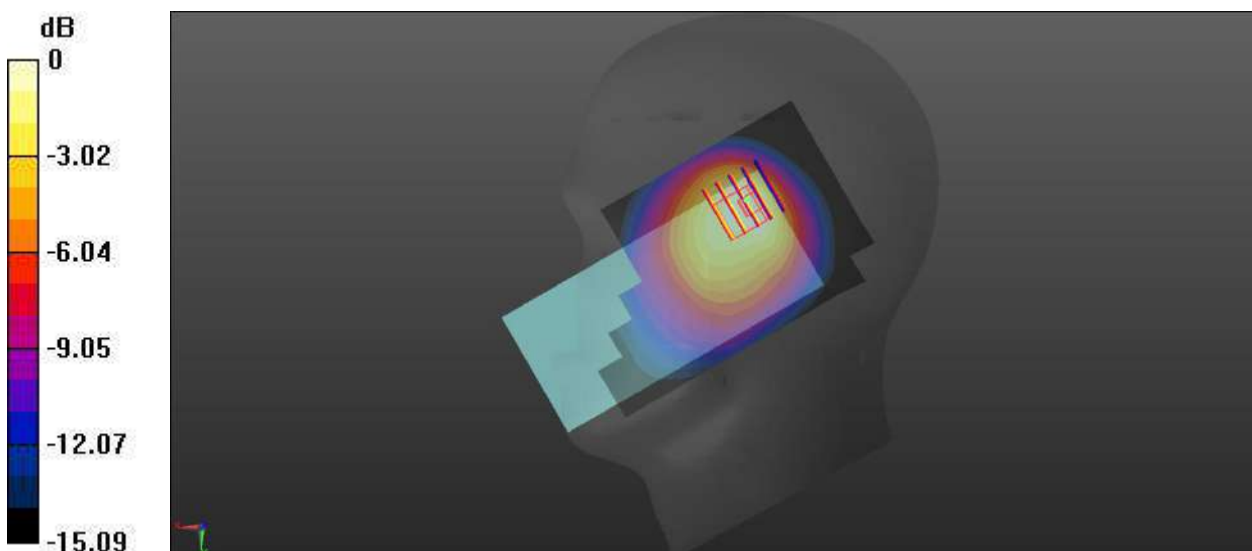
Ch23790/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 18.51 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 1.12 W/kg

SAR(1 g) = 0.570 W/kg; SAR(10 g) = 0.357 W/kg

Maximum value of SAR (measured) = 0.599 W/kg



0 dB = 0.599 W/kg

Meas.39 Body Plane with Back Side 15mm on Low Channel in LTE Band17 mode with Antenna 0

Date: 2023.05.28

Communication System Band: Band 17; Frequency: 709 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 709$ MHz; $\sigma = 0.889$ S/m; $\epsilon_r = 43.57$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.4°C Liquid Temperature: 21.2°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(10.4, 10.4, 10.4); Calibrated: 2023.01.19;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2023.01.30
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch23780/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.161 W/kg

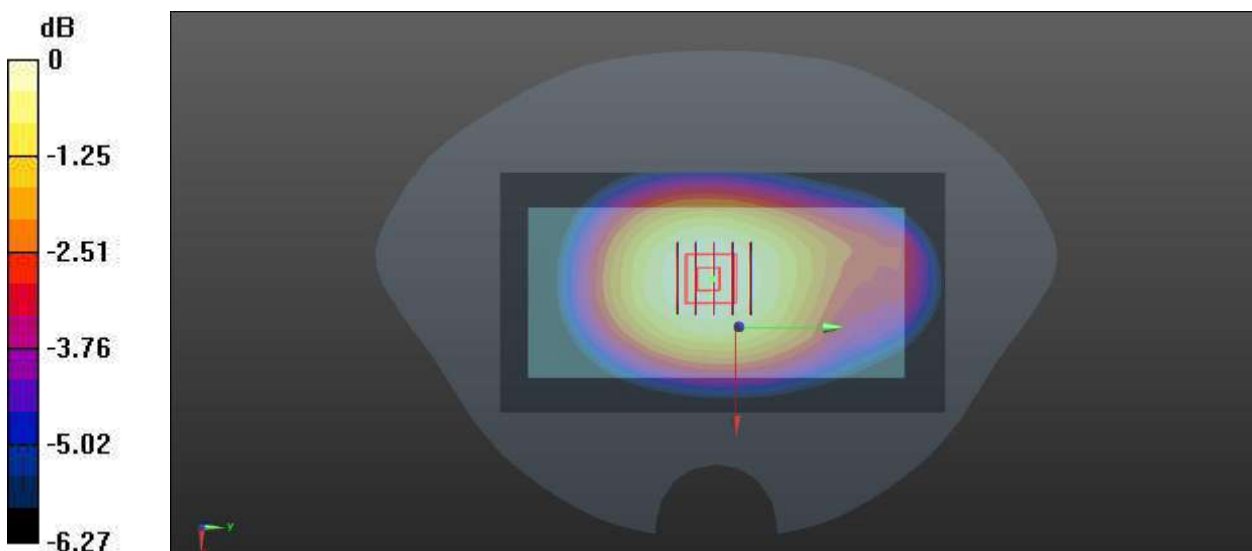
Ch23780/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.17 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.180 W/kg

SAR(1 g) = 0.154 W/kg; SAR(10 g) = 0.123 W/kg

Maximum value of SAR (measured) = 0.159 W/kg



0 dB = 0.159 W/kg

Meas.40 Body Plane with Back Side 10mm on Low Channel in LTE Band17 mode with Antenna 0

Date: 2023.05.28

Communication System Band: Band 17; Frequency: 709 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 709$ MHz; $\sigma = 0.889$ S/m; $\epsilon_r = 43.57$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.4°C Liquid Temperature: 21.2°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(10.4, 10.4, 10.4); Calibrated: 2023.01.19;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2023.01.30
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch23780/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.163 W/kg

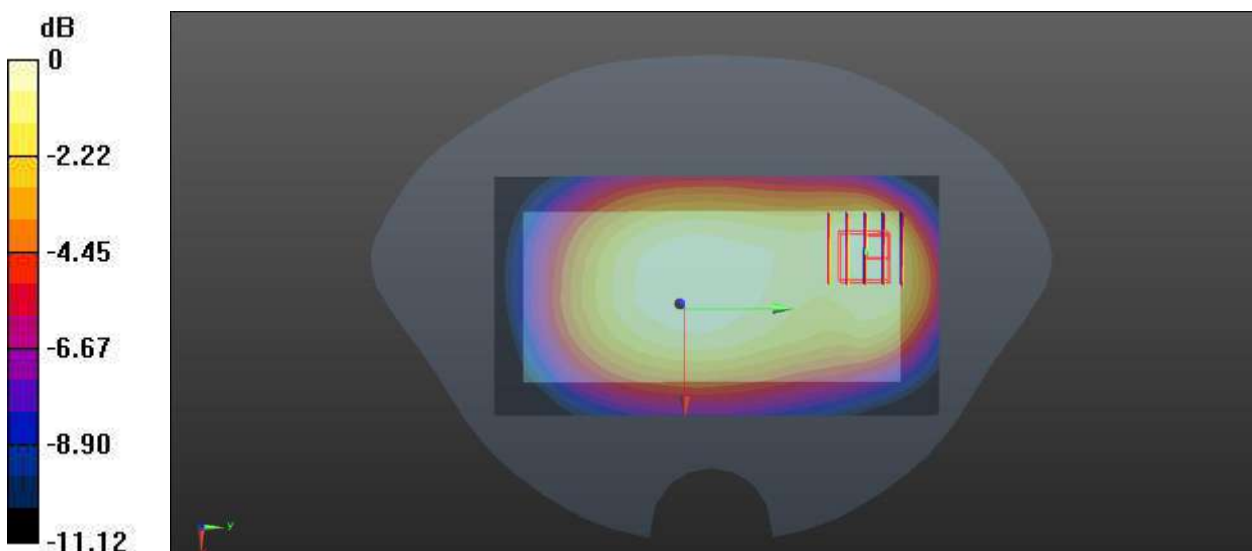
Ch23780/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.14 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 0.258 W/kg

SAR(1 g) = 0.147 W/kg; SAR(10 g) = 0.095 W/kg

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



0 dB = 0.158 W/kg

Meas.41 Right Head with Cheek on Middle Channel in LTE Band26 mode with Antenna 1

Date: 2023.05.30

Communication System Band: Band26; Frequency: 831.5 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 831.5$ MHz; $\sigma = 0.883$ S/m; $\epsilon_r = 42.43$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Ambient Temperature: 22.2°C Liquid Temperature: 21.2°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(9.97, 9.97, 9.97); Calibrated: 2023.01.19;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2023.01.30
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch26865/Area Scan (71x111x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

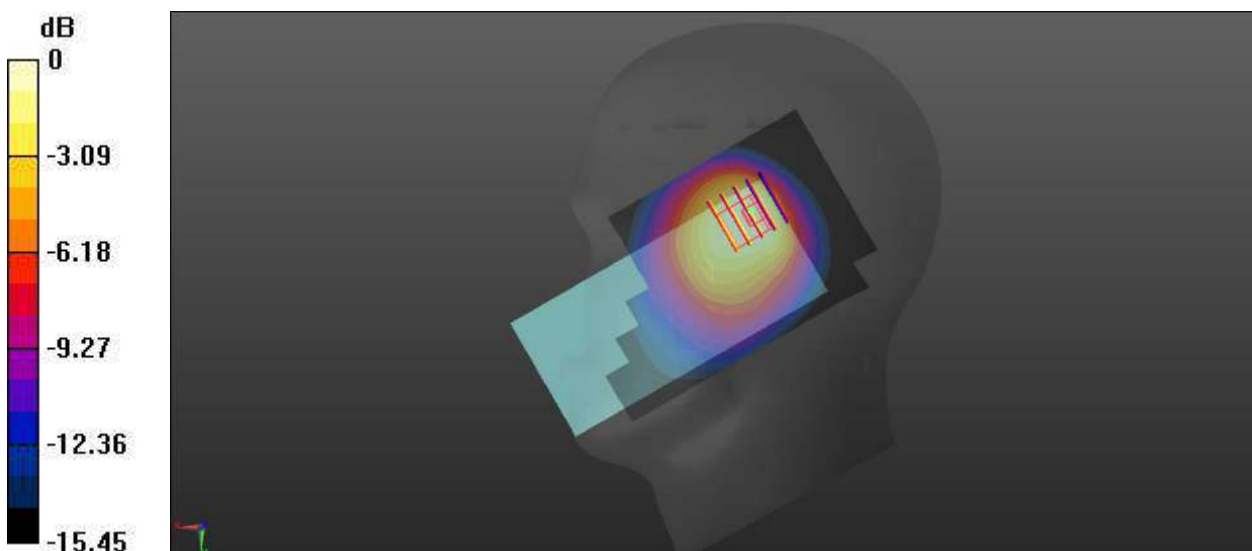
Ch26865/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 16.65 V/m; Power Drift = -0.19 dB

Peak SAR (extrapolated) = 0.987 W/kg

SAR(1 g) = 0.508 W/kg; SAR(10 g) = 0.326 W/kg

Maximum value of SAR (measured) = 0.527 W/kg



0 dB = 0.527 W/kg

Meas.42 Body Plane with Back Side 15mm on Low Channel in LTE Band26 mode with Antenna 1

Date: 2023.05.30

Communication System Band: Band26; Frequency: 821.5 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 821.5$ MHz; $\sigma = 0.882$ S/m; $\epsilon_r = 42.799$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.2°C Liquid Temperature: 21.2°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(9.97, 9.97, 9.97); Calibrated: 2023.01.19;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2023.01.30
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch26765/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.176 W/kg

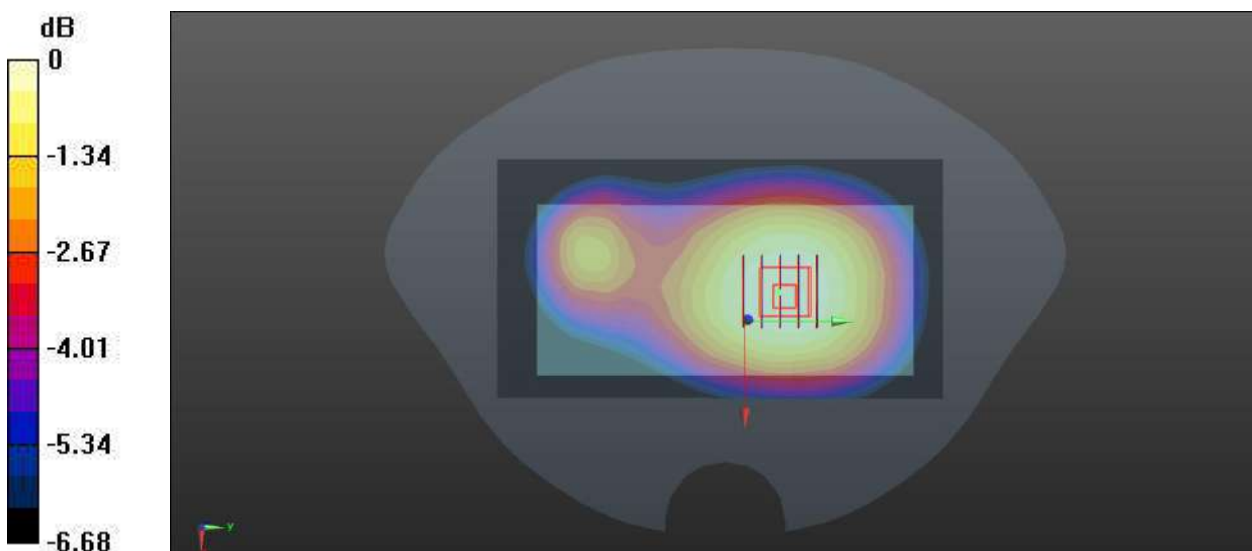
Ch26765/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.63 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 0.199 W/kg

SAR(1 g) = 0.167 W/kg; SAR(10 g) = 0.131 W/kg

Maximum value of SAR (measured) = 0.174 W/kg



0 dB = 0.174 W/kg

Meas.43 Body Plane with Back Side 10mm on Middle Channel in LTE Band26 mode with Antenna 0

Date: 2023.05.30

Communication System Band: Band26; Frequency: 831.5 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 831.5$ MHz; $\sigma = 0.883$ S/m; $\epsilon_r = 42.43$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.2°C Liquid Temperature: 21.2°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(9.97, 9.97, 9.97); Calibrated: 2023.01.19;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2023.01.30
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch26865/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.210 W/kg

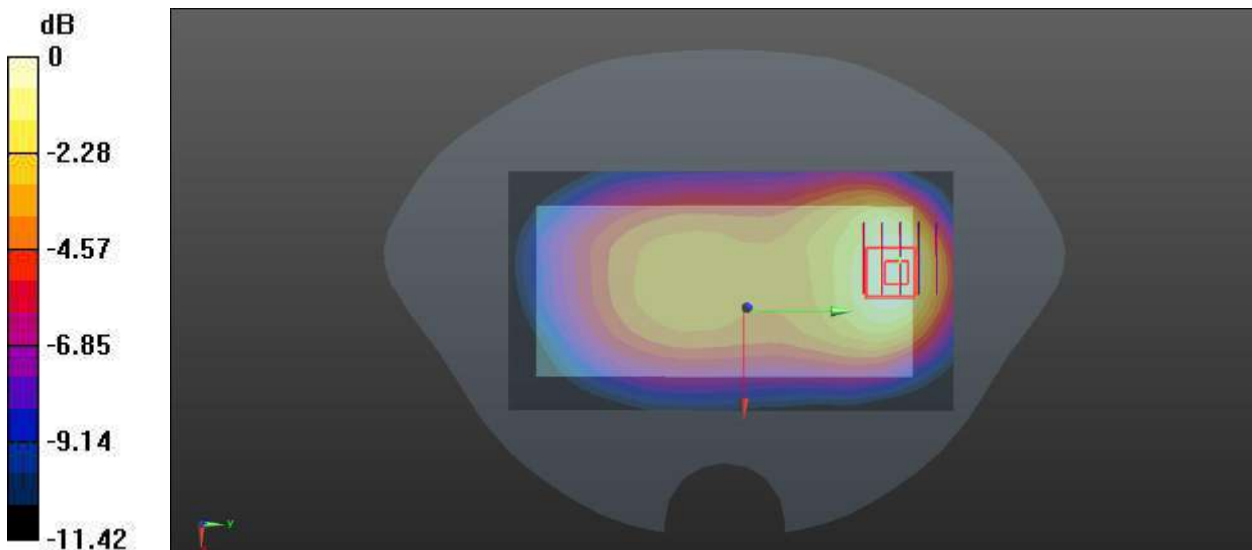
Ch26865/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.20 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 0.309 W/kg

SAR(1 g) = 0.193 W/kg; SAR(10 g) = 0.130 W/kg

Maximum value of SAR (measured) = 0.210 W/kg



0 dB = 0.210 W/kg

Meas.44 Right Head with Tilt on Low Channel in LTE Band66 mode with Antenna 1

Date: 2023.06.04

Communication System Band: Band 66; Frequency: 1720 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 1720$ MHz; $\sigma = 1.328$ S/m; $\epsilon_r = 40.802$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Ambient Temperature: 22.6°C Liquid Temperature: 21.1°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(8.65, 8.65, 8.65); Calibrated: 2023.01.19;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2023.01.30
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch132072/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.752 W/kg

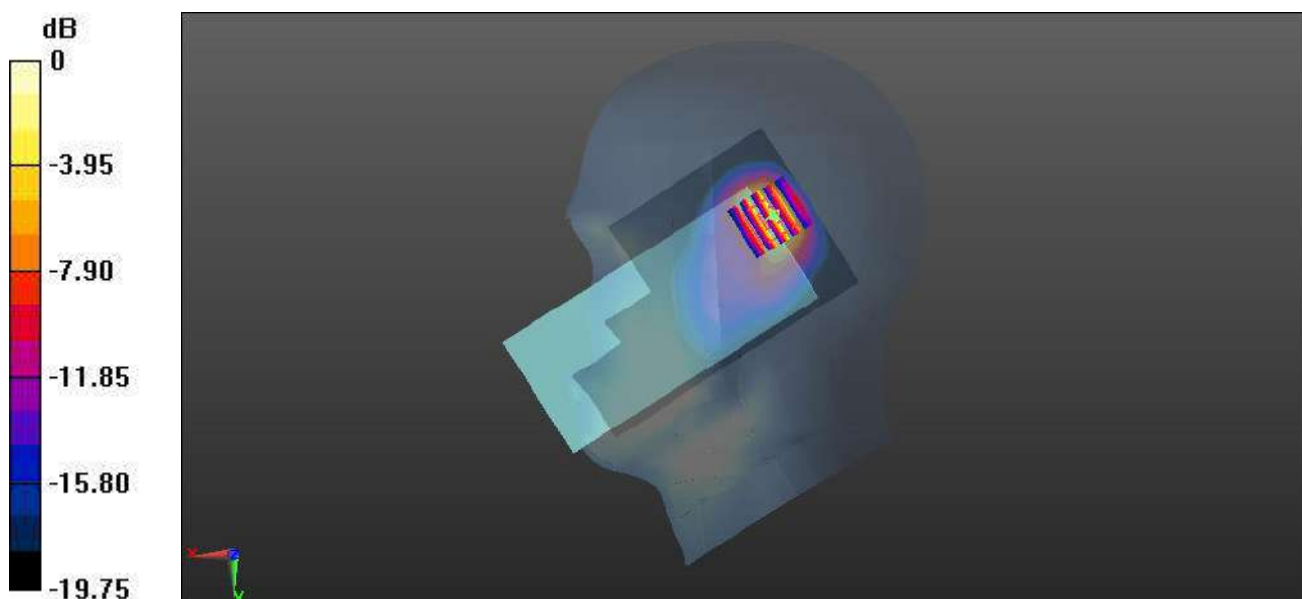
Ch132072/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.84 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 1.51 W/kg

SAR(1 g) = 0.729 W/kg; SAR(10 g) = 0.333 W/kg

Maximum value of SAR (measured) = 0.851 W/kg



0 dB = 0.851 W/kg

Meas.45 Body Plane with Back Side 15mm on High Channel in LTE Band66 mode with Antenna 1

Date: 2023.06.04

Communication System Band: Band 66; Frequency: 1770 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 1770$ MHz; $\sigma = 1.371$ S/m; $\epsilon_r = 39.042$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.6°C Liquid Temperature: 21.1°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(8.65, 8.65, 8.65); Calibrated: 2023.01.19;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2023.01.30
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- 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) = 0.201 W/kg

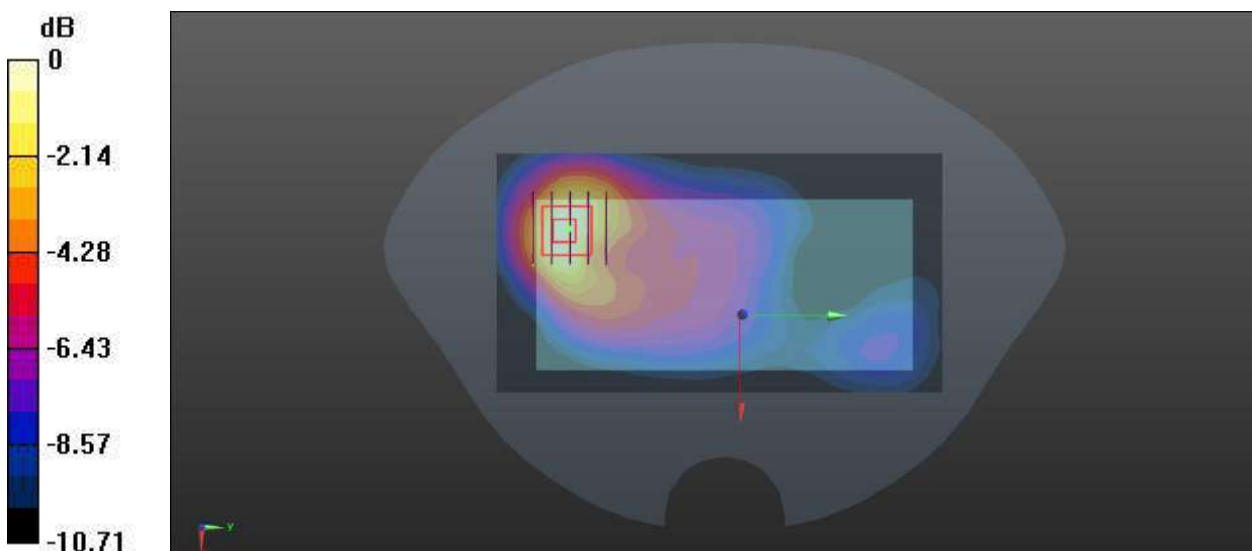
Ch132572/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.710 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.280 W/kg

SAR(1 g) = 0.178 W/kg; SAR(10 g) = 0.108 W/kg

Maximum value of SAR (measured) = 0.193 W/kg



0 dB = 0.193 W/kg

Meas.46 Body Plane with Top Edge 10mm on High Channel in LTE Band66 mode with Antenna 1

Date: 2023.06.04

Communication System Band: Band 66; Frequency: 1770 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 1770$ MHz; $\sigma = 1.371$ S/m; $\epsilon_r = 39.042$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.6°C Liquid Temperature: 21.1°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(8.65, 8.65, 8.65); Calibrated: 2023.01.19;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2023.01.30
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch132572/Area Scan (61x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

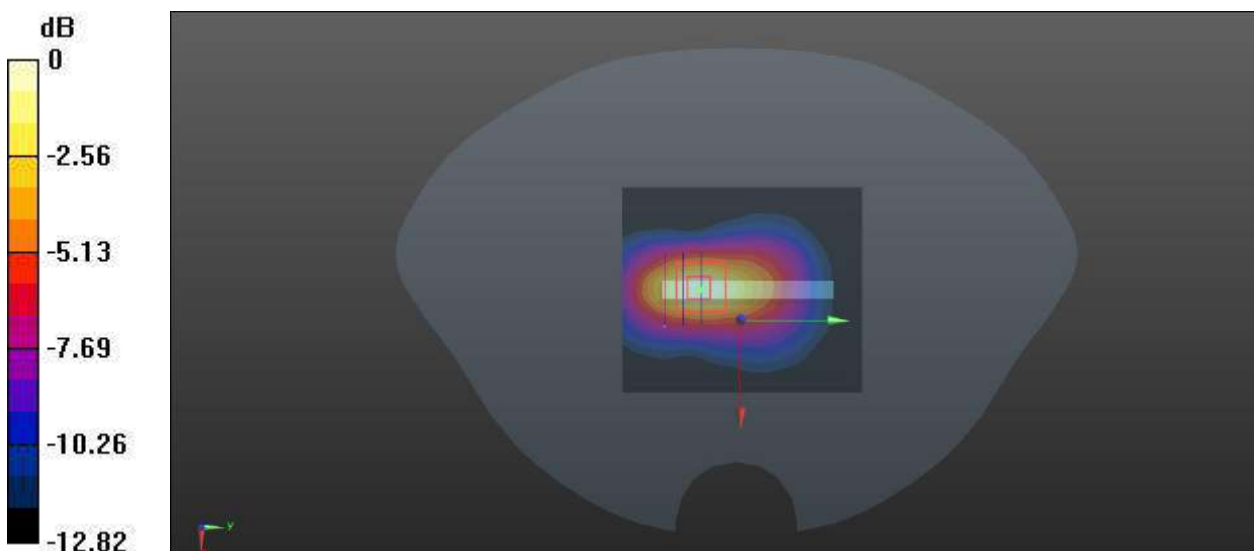
Ch132572/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.53 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 0.537 W/kg

SAR(1 g) = 0.324 W/kg; SAR(10 g) = 0.178 W/kg

Maximum value of SAR (measured) = 0.367 W/kg



0 dB = 0.367 W/kg

Meas.47 Right Head with Cheek on Low Channel in LTE Band38 mode with Antenna 1

Date: 2023.06.14

Communication System Band: Band 38; Frequency: 2580 MHz; Duty Cycle: 1:1.58

Medium parameters used (interpolated): $f = 2580$ MHz; $\sigma = 1.883$ S/m; $\epsilon_r = 39.914$; $\rho = 1000$ kg/m³

Phantom section: Right Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.6, 7.6, 7.6); Calibrated: 2023.01.19;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2023.01.30
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch37850/Area Scan (81x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.968 W/kg

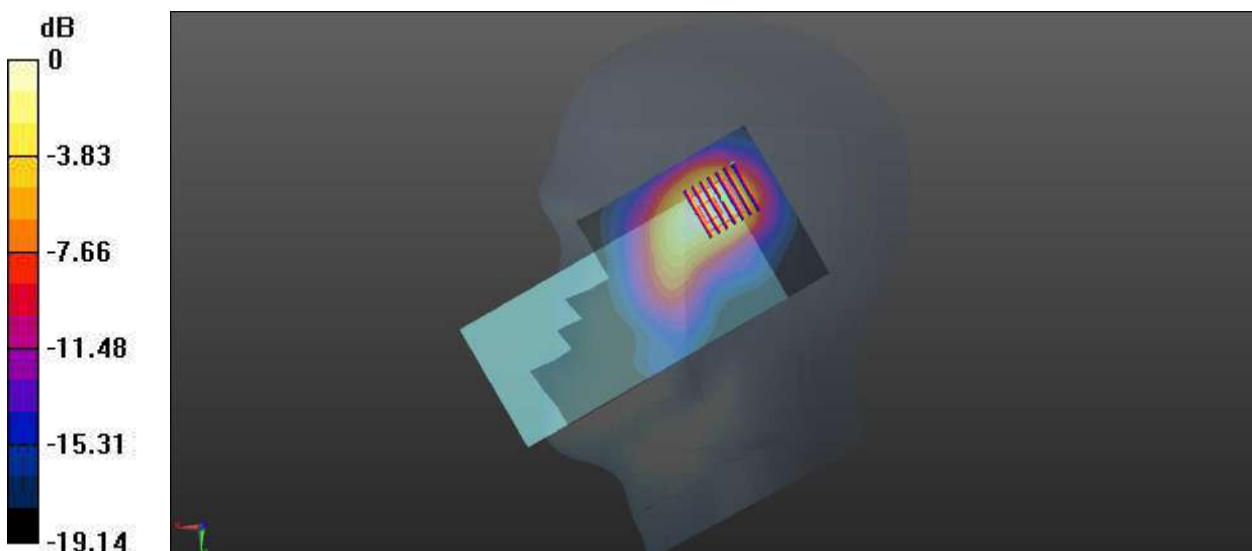
Ch37850/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 5.618 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 1.49 W/kg

SAR(1 g) = 0.735 W/kg; SAR(10 g) = 0.378 W/kg

Maximum value of SAR (measured) = 0.834 W/kg



0 dB = 0.834 W/kg

Meas.48 Right Head with Cheek on PCC37850+SCC38048 Channel in LTE Band38 mode with

Antenna 1

Date: 2023.06.14

Communication System Band: Band 38; Frequency: 2580 MHz; Duty Cycle: 1:1.58

Medium parameters used (interpolated): $f = 2580$ MHz; $\sigma = 1.883$ S/m; $\epsilon_r = 39.914$; $\rho = 1000$ kg/m³

Phantom section: Right Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.6, 7.6, 7.6); Calibrated: 2023.01.19;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2023.01.30
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch37850/Area Scan (81x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.996 W/kg

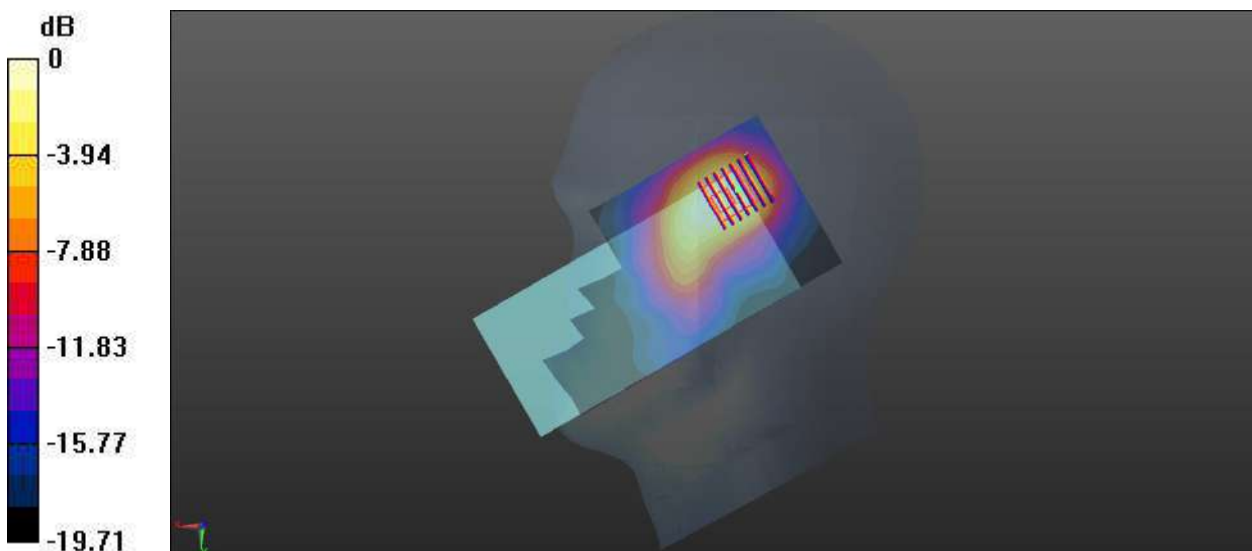
Ch37850/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 5.960 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 1.27 W/kg

SAR(1 g) = 0.656 W/kg; SAR(10 g) = 0.332 W/kg

Maximum value of SAR (measured) = 0.744 W/kg



0 dB = 0.744 W/kg

Meas.49 Body Plane with Back Side 15mm on Low Channel in LTE Band38 mode with Antenna 0

Date: 2023.06.14

Communication System Band: Band 38; Frequency: 2580 MHz; Duty Cycle: 1:1.58

Medium parameters used (interpolated): $f = 2580$ MHz; $\sigma = 1.883$ S/m; $\epsilon_r = 39.914$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.6, 7.6, 7.6); Calibrated: 2023.01.19;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2023.01.30
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch37850/Area Scan (81x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.244 W/kg

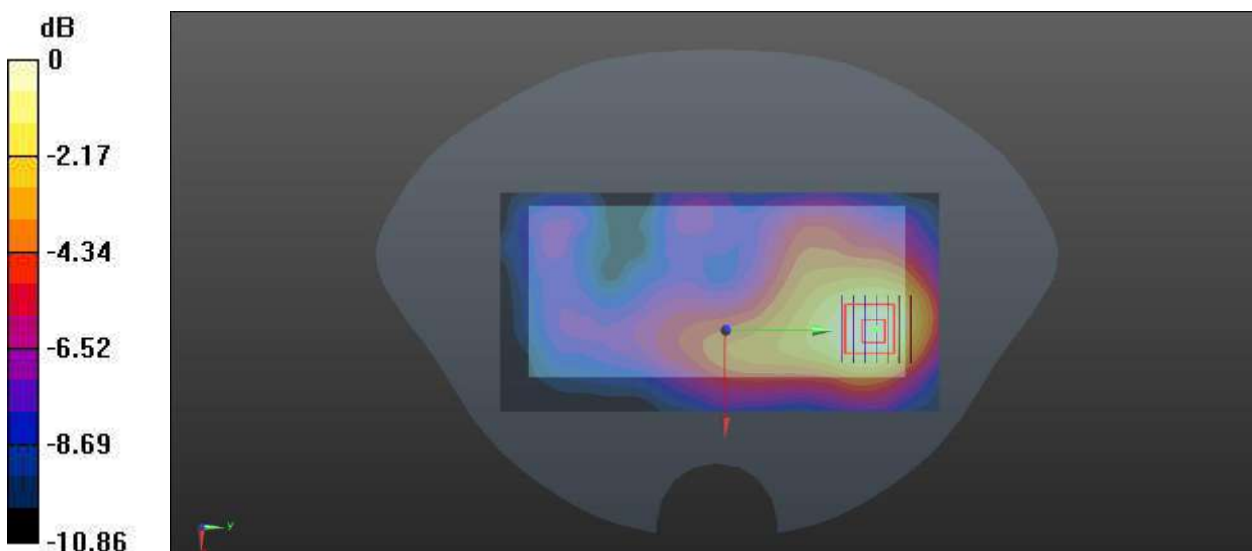
Ch37850/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 4.598 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 0.352 W/kg

SAR(1 g) = 0.216 W/kg; SAR(10 g) = 0.130 W/kg

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



0 dB = 0.235 W/kg

Meas.50 Body Plane with Back Side 15mm on PCC37850+SCC38048 Channel in LTE Band38 mode

with Antenna 0

Date: 2023.06.14

Communication System Band: Band 38; Frequency: 2580 MHz; Duty Cycle: 1:1.58

Medium parameters used (interpolated): $f = 2580$ MHz; $\sigma = 1.883$ S/m; $\epsilon_r = 39.914$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.6, 7.6, 7.6); Calibrated: 2023.01.19;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2023.01.30
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch37850/Area Scan (81x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.190 W/kg

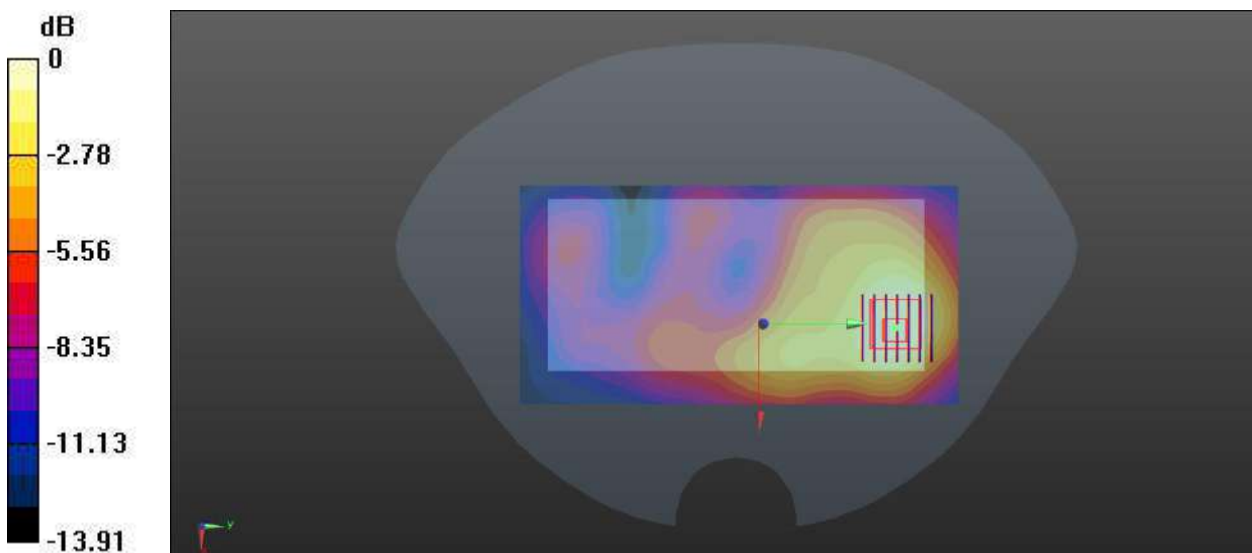
Ch37850/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 2.905 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 0.285 W/kg

SAR(1 g) = 0.169 W/kg; SAR(10 g) = 0.099 W/kg

Maximum value of SAR (measured) = 0.184 W/kg



0 dB = 0.184 W/kg

Meas.51 Body Plane with Back Side 10mm on Low Channel in LTE Band38 mode with Antenna 1

Date: 2023.06.14

Communication System Band: Band 38; Frequency: 2580 MHz; Duty Cycle: 1:1.58

Medium parameters used (interpolated): $f = 2580$ MHz; $\sigma = 1.883$ S/m; $\epsilon_r = 39.914$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.6, 7.6, 7.6); Calibrated: 2023.01.19;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2023.01.30
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch37850/Area Scan (81x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.516 W/kg

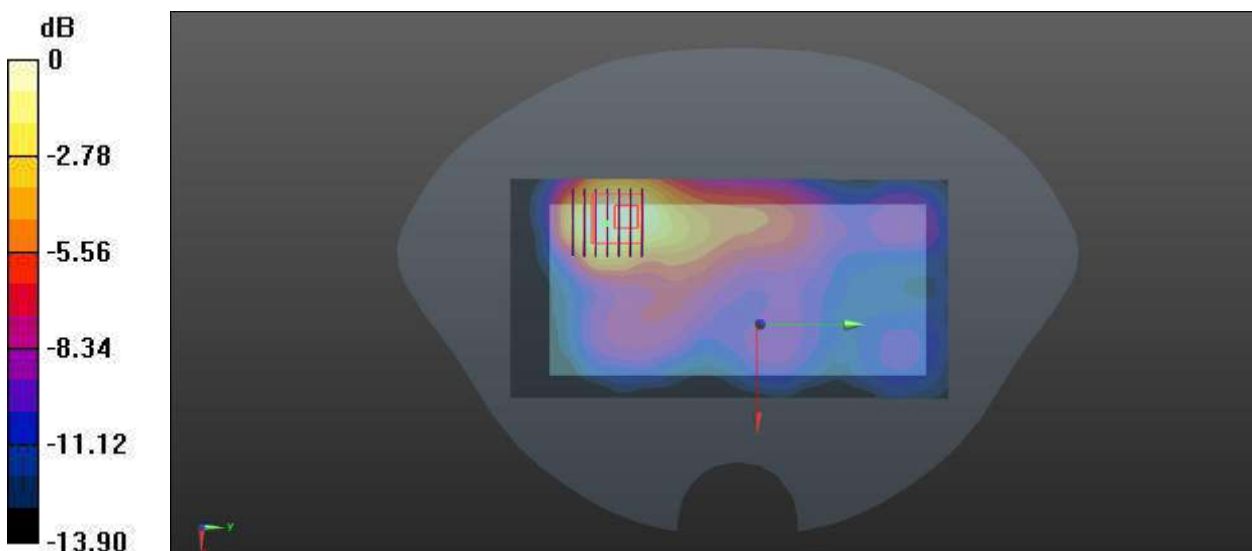
Ch37850/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 5.388 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.799 W/kg

SAR(1 g) = 0.434 W/kg; SAR(10 g) = 0.237 W/kg

Maximum value of SAR (measured) = 0.486 W/kg



0 dB = 0.486 W/kg

Meas.52 Body Plane with Back Side 10mm on PCC37850+SCC38048 Channel in LTE Band38 mode

with Antenna 1

Date: 2023.06.14

Communication System Band: Band 38; Frequency: 2580 MHz; Duty Cycle: 1:1.58

Medium parameters used (interpolated): $f = 2580$ MHz; $\sigma = 1.883$ S/m; $\epsilon_r = 39.914$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.6, 7.6, 7.6); Calibrated: 2023.01.19;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2023.01.30
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch37850/Area Scan (81x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.491 W/kg

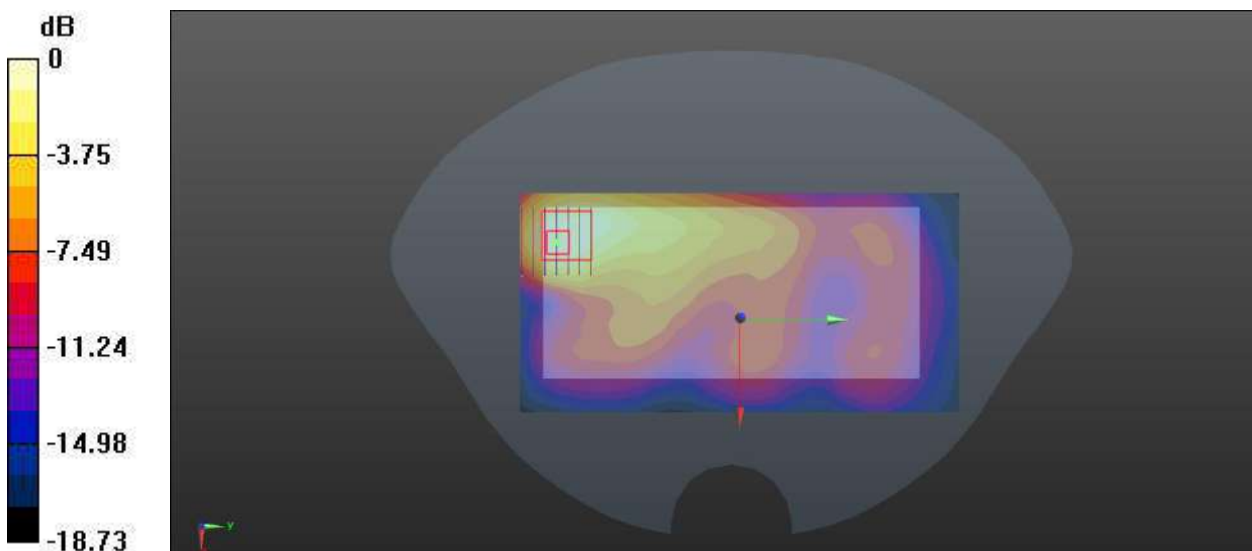
Ch37850/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 5.993 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 0.803 W/kg

SAR(1 g) = 0.393 W/kg; SAR(10 g) = 0.207 W/kg

Maximum value of SAR (measured) = 0.439 W/kg



0 dB = 0.439 W/kg

Meas.53 Right Head with Cheek on Middle Channel in LTE Band41 mode with Antenna 1

Date: 2023.06.16

Communication System Band: Band 41; Frequency: 2636.5 MHz; Duty Cycle: 1:1.58

Medium parameters used (interpolated): $f = 2636.5$ MHz; $\sigma = 2.038$ S/m; $\epsilon_r = 38.776$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Ambient Temperature: 22.0°C Liquid Temperature: 21.4°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.6, 7.6, 7.6); Calibrated: 2023.01.19;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2023.01.30
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch41055/Area Scan (81x141x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

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

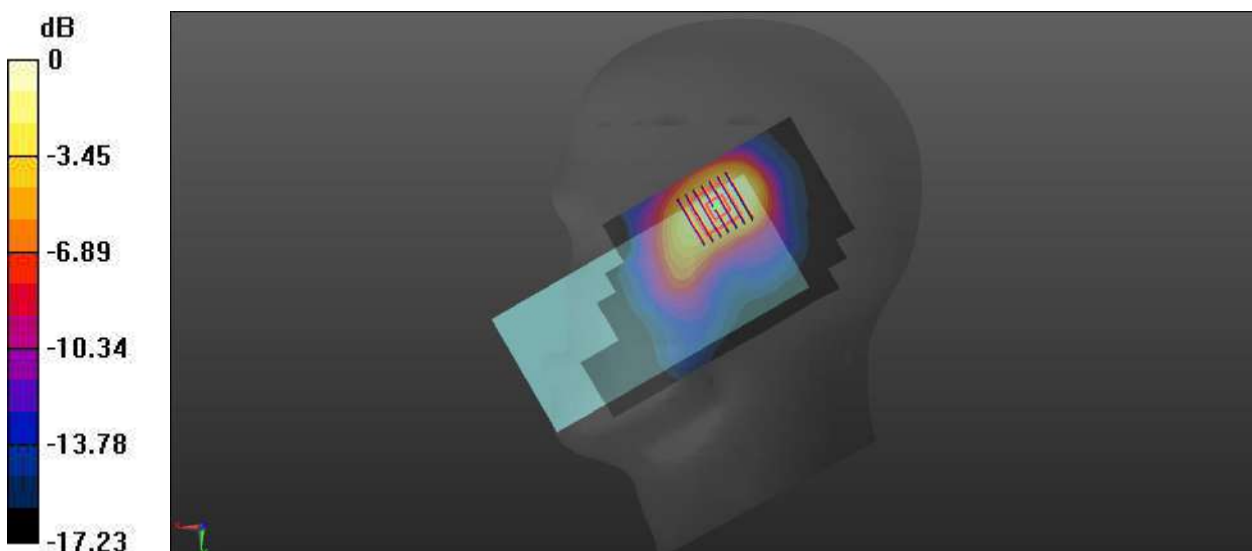
Ch41055/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 6.294 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 1.46 W/kg

SAR(1 g) = 0.770 W/kg; SAR(10 g) = 0.403 W/kg

Maximum value of SAR (measured) = 0.878 W/kg



0 dB = 0.878 W/kg

Meas.54 Right Head with Cheek on PCC40620+SCC40818 Channel in LTE Band41 mode with

Antenna 1

Date: 2023.06.16

Communication System Band: Band 41; Frequency: 2593 MHz; Duty Cycle: 1:1.58

Medium parameters used (interpolated): $f = 2593$ MHz; $\sigma = 1.973$ S/m; $\epsilon_r = 39.353$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Ambient Temperature: 22.0°C Liquid Temperature: 21.4°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.6, 7.6, 7.6); Calibrated: 2023.01.19;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2023.01.30
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch40620/Area Scan (81x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

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

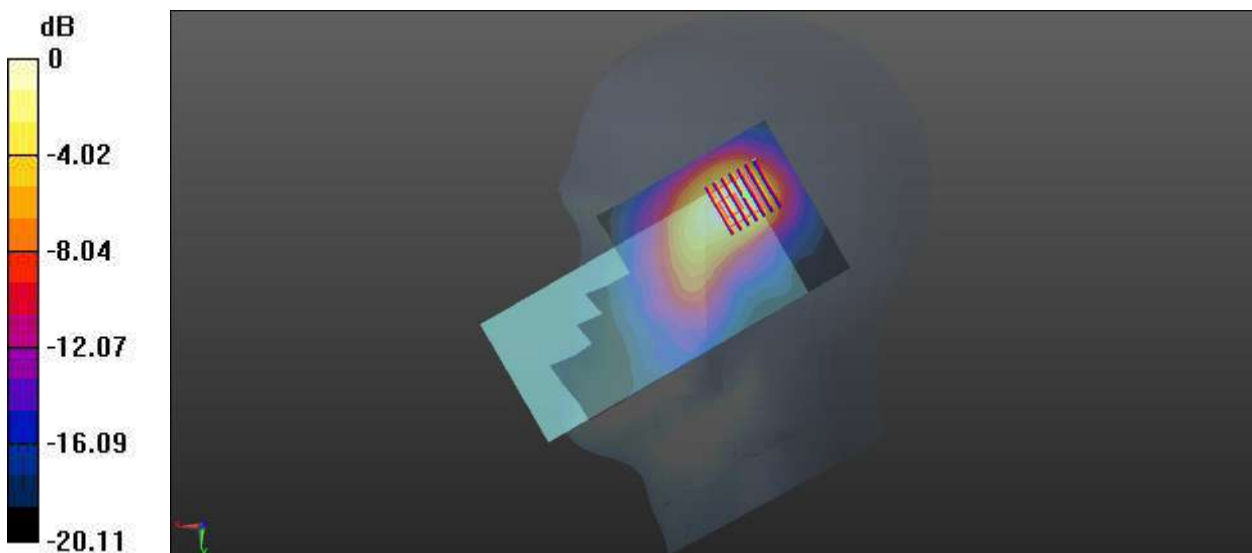
Ch40620/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 5.501 V/m; Power Drift = -0.19 dB

Peak SAR (extrapolated) = 1.43 W/kg

SAR(1 g) = 0.699 W/kg; SAR(10 g) = 0.359 W/kg

Maximum value of SAR (measured) = 0.795 W/kg



0 dB = 0.795 W/kg

Meas.55 Body Plane with Back Side 15mm on Low Channel in LTE Band41 mode with Antenna 0

Date: 2023.06.16

Communication System Band: Band 41; Frequency: 2506 MHz; Duty Cycle: 1:1.58

Medium parameters used (interpolated): $f = 2506$ MHz; $\sigma = 1.815$ S/m; $\epsilon_r = 39.951$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.0°C Liquid Temperature: 21.4°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.78, 7.78, 7.78); Calibrated: 2023.01.19;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2023.01.30
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch39750/Area Scan (81x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.272 W/kg

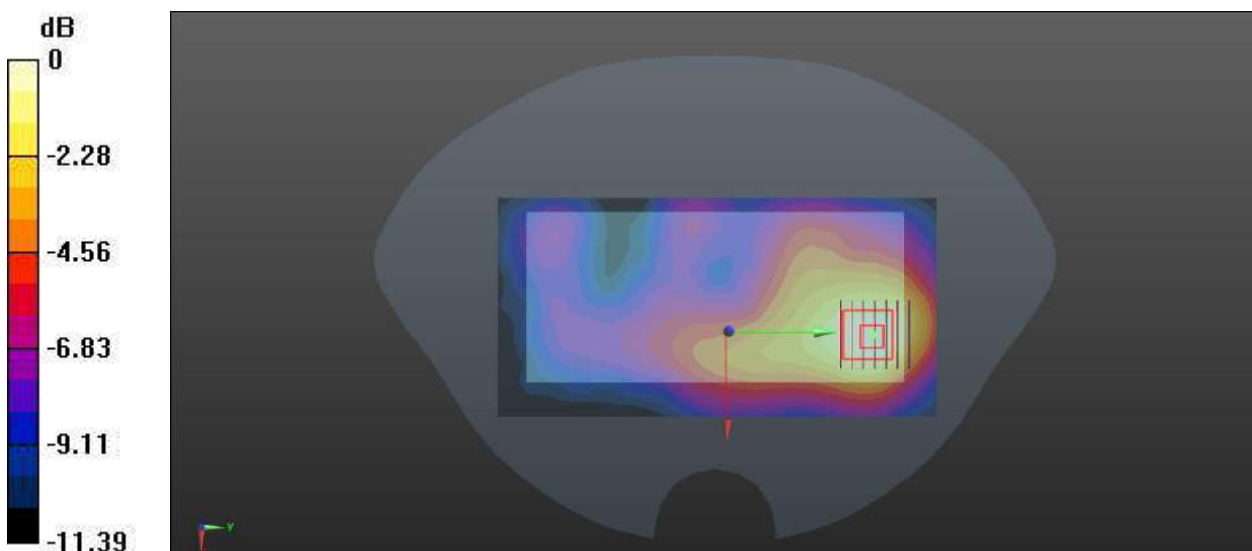
Ch39750/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 4.792 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 0.395 W/kg

SAR(1 g) = 0.242 W/kg; SAR(10 g) = 0.145 W/kg

Maximum value of SAR (measured) = 0.263 W/kg



0 dB = 0.263 W/kg

Meas.56 Body Plane with Back Side 15mm on PCC39750+SCC39948 Channel in LTE Band41 mode

with Antenna 0

Date: 2023.06.16

Communication System Band: Band 41; Frequency: 2506 MHz; Duty Cycle: 1:1.58

Medium parameters used (interpolated): $f = 2506$ MHz; $\sigma = 1.815$ S/m; $\epsilon_r = 39.951$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.0°C Liquid Temperature: 21.4°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.78, 7.78, 7.78); Calibrated: 2023.01.19;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2023.01.30
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch39750/Area Scan (81x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.193 W/kg

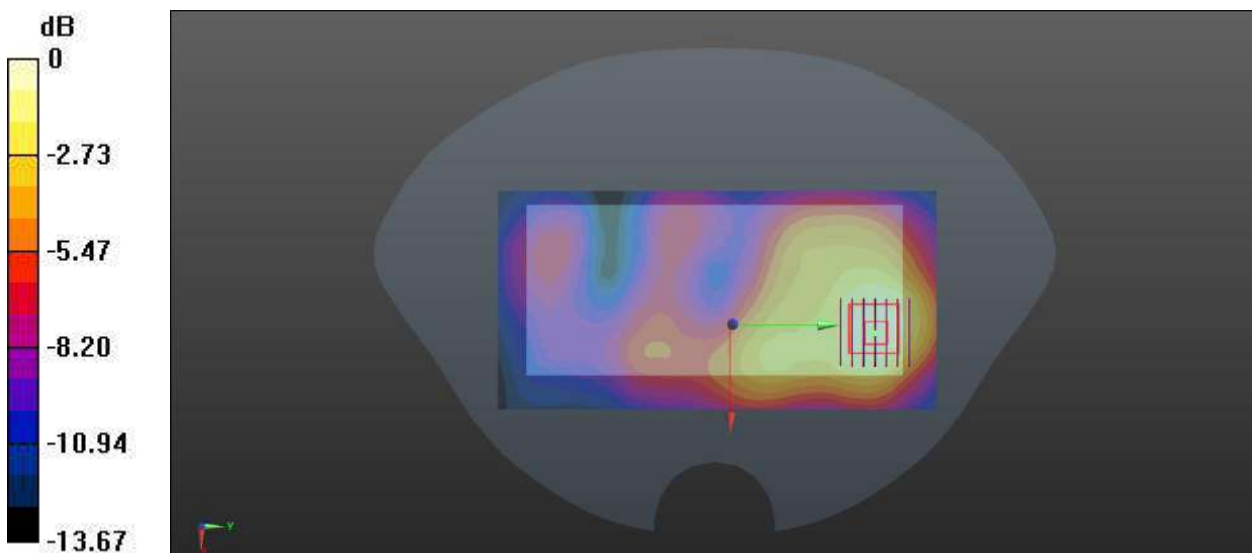
Ch39750/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 2.911 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.307 W/kg

SAR(1 g) = 0.180 W/kg; SAR(10 g) = 0.105 W/kg

Maximum value of SAR (measured) = 0.195 W/kg



0 dB = 0.195 W/kg

Meas.57 Body Plane with Back Side 10mm on Low Channel in LTE Band41 mode with Antenna 0

Date: 2023.06.16

Communication System Band: Band 41; Frequency: 2506 MHz; Duty Cycle: 1:1.58

Medium parameters used (interpolated): $f = 2506$ MHz; $\sigma = 1.815$ S/m; $\epsilon_r = 39.951$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.0°C Liquid Temperature: 21.4°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.78, 7.78, 7.78); Calibrated: 2023.01.19;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2023.01.30
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch39750/Area Scan (81x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.494 W/kg

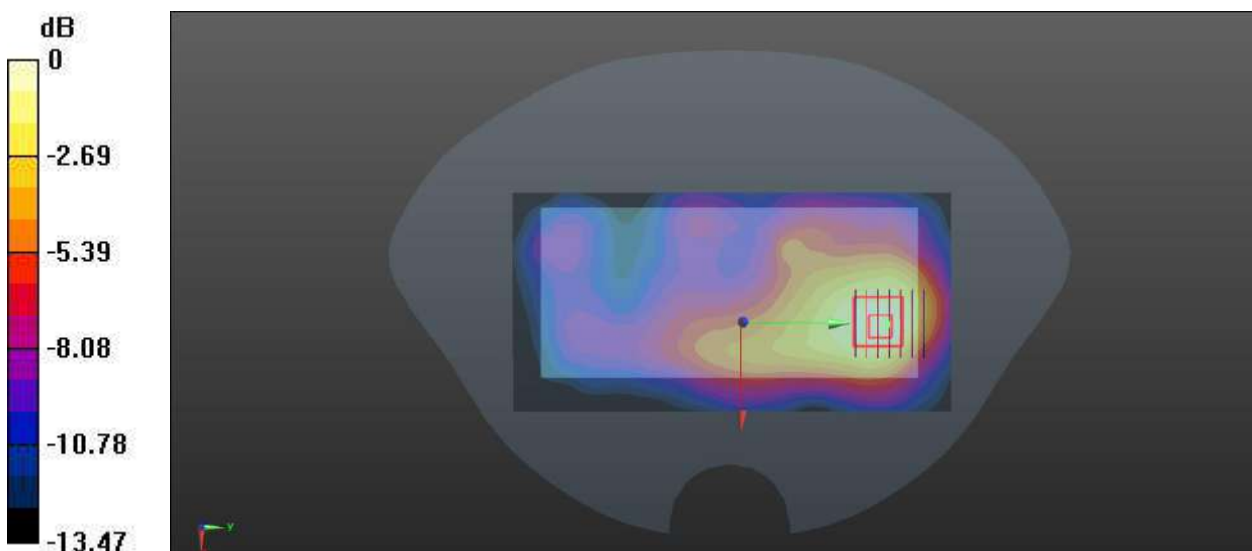
Ch39750/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 5.990 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 0.713 W/kg

SAR(1 g) = 0.429 W/kg; SAR(10 g) = 0.246 W/kg

Maximum value of SAR (measured) = 0.472 W/kg



0 dB = 0.472 W/kg

Meas.58 Body Plane with Back Side 10mm on PCC39750+SCC39948 Channel in LTE Band41 mode

with Antenna 0

Date: 2023.06.16

Communication System Band: Band 41; Frequency: 2506 MHz; Duty Cycle: 1:1.58

Medium parameters used (interpolated): $f = 2506$ MHz; $\sigma = 1.815$ S/m; $\epsilon_r = 39.951$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.0°C Liquid Temperature: 21.4°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.78, 7.78, 7.78); Calibrated: 2023.01.19;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2023.01.30
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch39750/Area Scan (81x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.401 W/kg

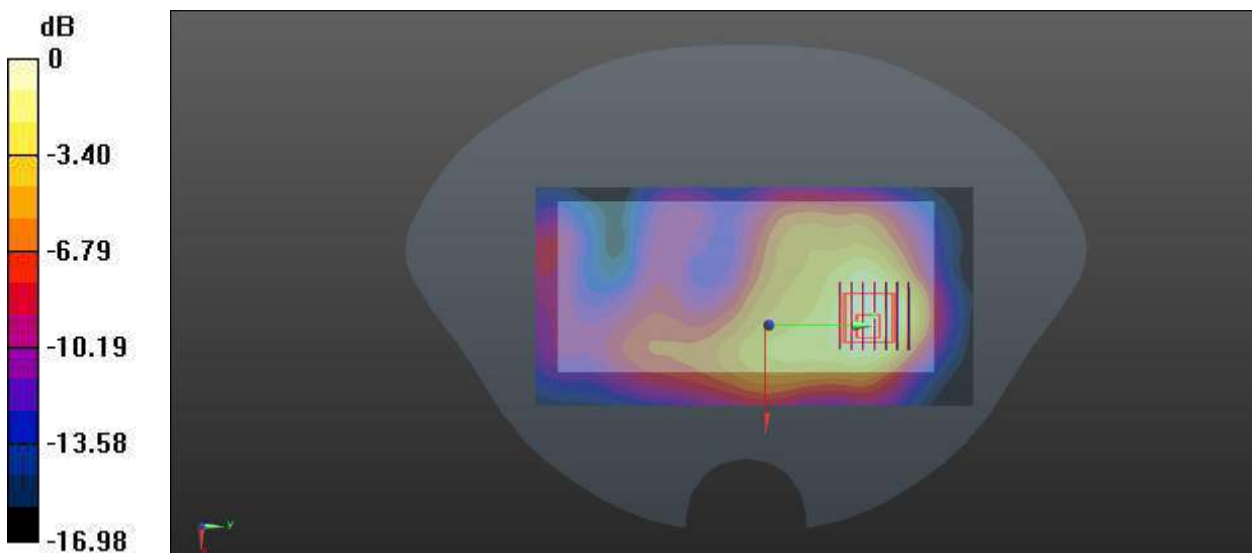
Ch39750/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 6.059 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.606 W/kg

SAR(1 g) = 0.350 W/kg; SAR(10 g) = 0.196 W/kg

Maximum value of SAR (measured) = 0.389 W/kg



0 dB = 0.389 W/kg

Meas.59 Right Head with Cheek on 167800 Channel in N5 mode with Antenna 1

Date: 2023.06.01

Communication System Band: N5; Frequency: 836.5 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 836.5$ MHz; $\sigma = 0.903$ S/m; $\epsilon_r = 41.396$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Ambient Temperature: 22.5°C Liquid Temperature: 21.1°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(9.97, 9.97, 9.97); Calibrated: 2023.01.19;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2023.01.30
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch167800/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.942 W/kg

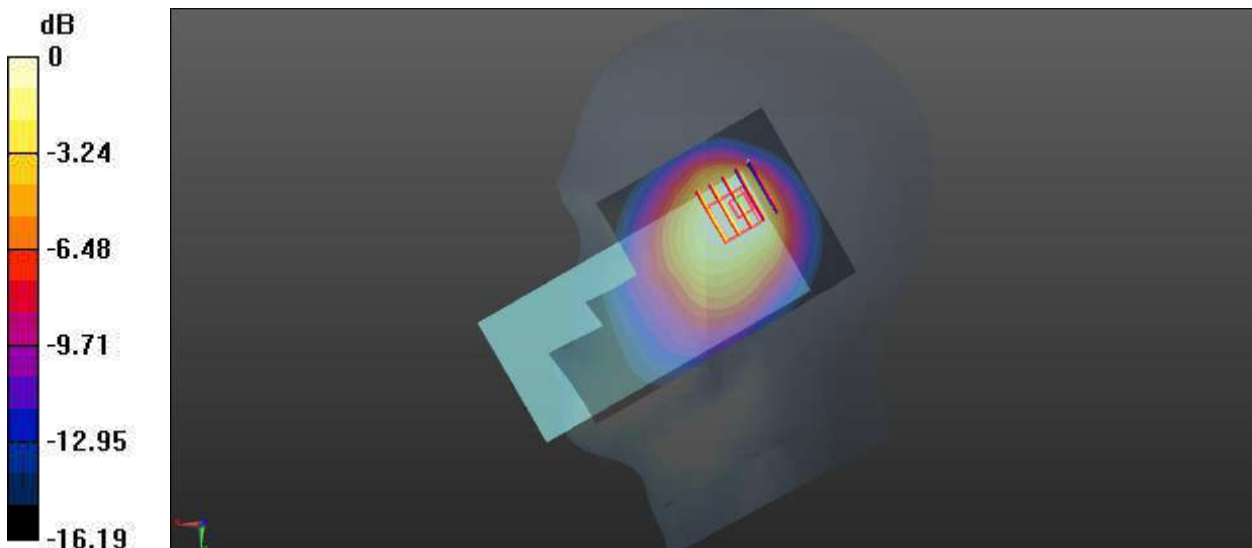
Ch167800/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 19.35 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 1.29 W/kg

SAR(1 g) = 0.689 W/kg; SAR(10 g) = 0.458 W/kg

Maximum value of SAR (measured) = 0.717 W/kg



0 dB = 0.717 W/kg

Meas.60 Body Plane with Back Side 15mm on 167300 Channel in N5 mode with Antenna 1

Date: 2023.06.01

Communication System Band: N5; Frequency: 836.5 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 836.5$ MHz; $\sigma = 0.903$ S/m; $\epsilon_r = 41.396$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.5°C Liquid Temperature: 21.1°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(9.97, 9.97, 9.97); Calibrated: 2023.01.19;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2023.01.30
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch167300/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.141 W/kg

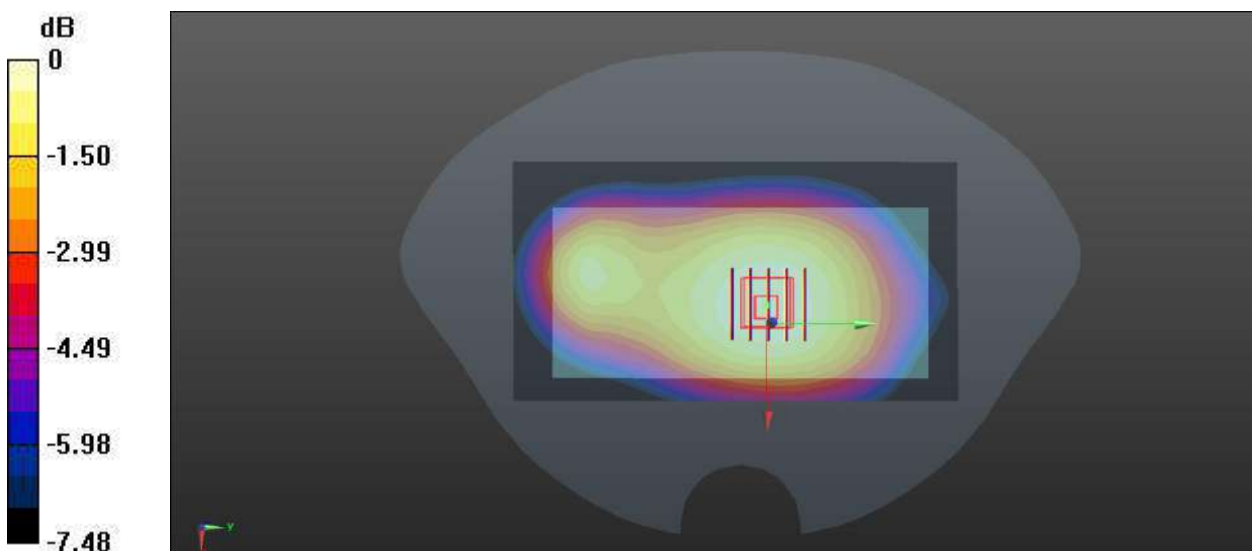
Ch167300/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.18 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.169 W/kg

SAR(1 g) = 0.136 W/kg; SAR(10 g) = 0.105 W/kg

Maximum value of SAR (measured) = 0.142 W/kg



0 dB = 0.142 W/kg

Meas.61 Body Plane with Top Edge 10mm on 167300 Channel in N5 mode with Antenna 1

Date: 2023.06.01

Communication System Band: N5; Frequency: 836.5 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 836.5$ MHz; $\sigma = 0.903$ S/m; $\epsilon_r = 41.396$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.5°C Liquid Temperature: 21.1°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(9.97, 9.97, 9.97); Calibrated: 2023.01.19;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2023.01.30
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch167300/Area Scan (61x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.210 W/kg

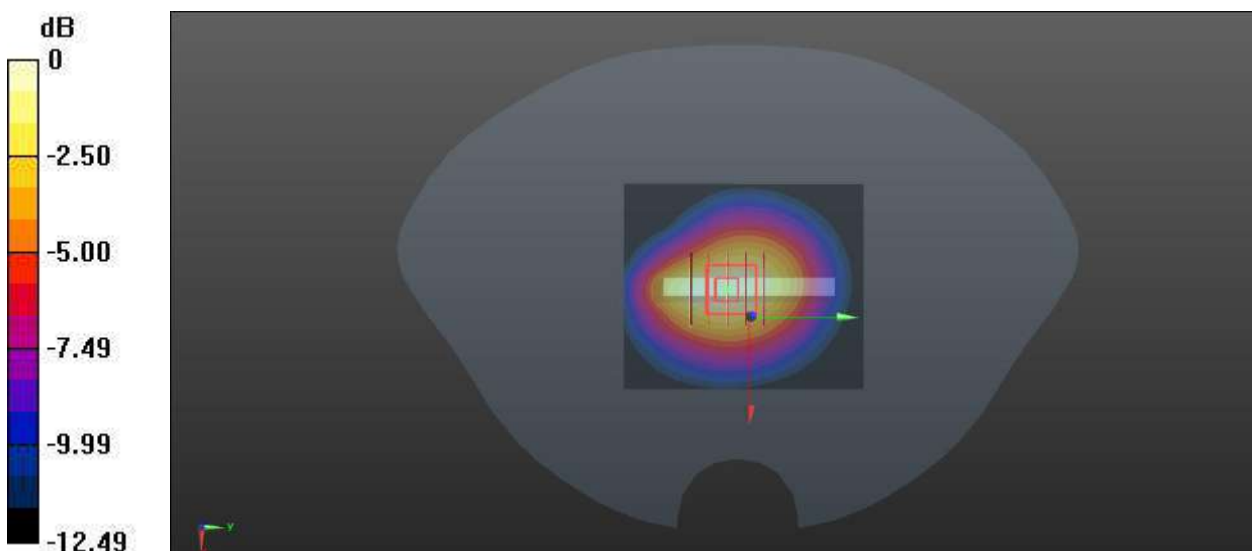
Ch167300/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.35 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 0.299 W/kg

SAR(1 g) = 0.182 W/kg; SAR(10 g) = 0.111 W/kg

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



0 dB = 0.203 W/kg

Meas.62 Right Head with Cheek on 508000 Channel in N7 mode with Antenna 1

Date: 2023.06.19

Communication System Band: N7; Frequency: 2542.5 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 2542.5$ MHz; $\sigma = 1.913$ S/m; $\epsilon_r = 39.225$; $\rho = 1000$ kg/m³

Phantom section: Right Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.78, 7.78, 7.78); Calibrated: 2023.01.19;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2023.01.30
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch508000/Area Scan (81x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

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

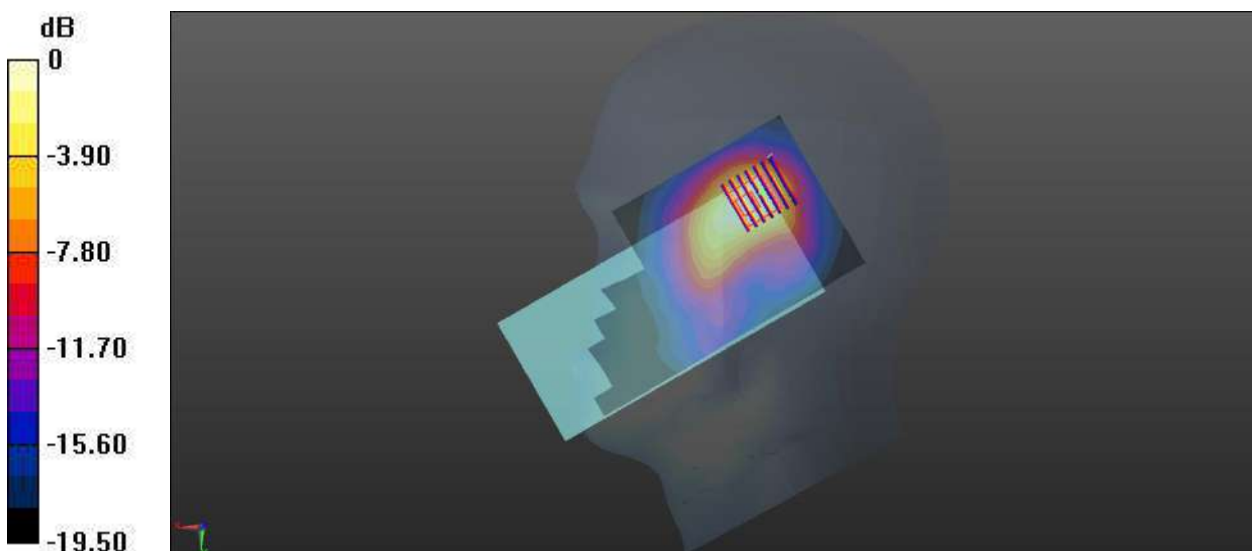
Ch508000/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 9.084 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 1.71 W/kg

SAR(1 g) = 0.880 W/kg; SAR(10 g) = 0.445 W/kg

Maximum value of SAR (measured) = 0.984 W/kg



0 dB = 0.984 W/kg

Meas.63 Body Plane with Back Side 15mm on 505000 Channel in N7 mode with Antenna 1

Date: 2023.06.19

Communication System Band: N7; Frequency: 2527.5 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 2527.5$ MHz; $\sigma = 1.883$ S/m; $\epsilon_r = 39.713$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.78, 7.78, 7.78); Calibrated: 2023.01.19;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2023.01.30
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch505000/Area Scan (81x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.274 W/kg

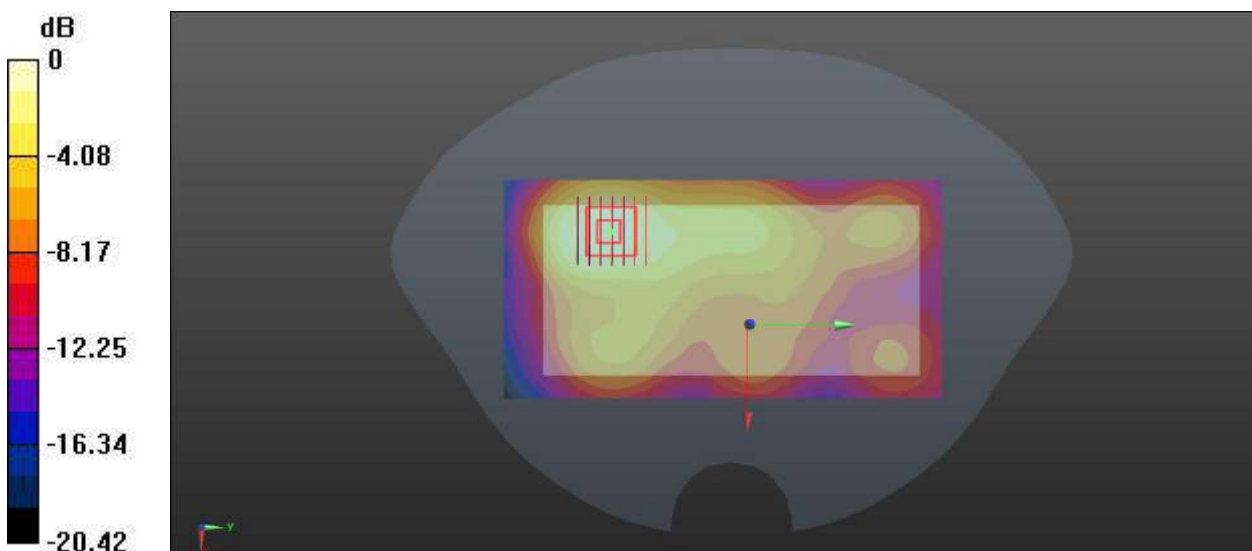
Ch505000/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 5.675 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.457 W/kg

SAR(1 g) = 0.254 W/kg; SAR(10 g) = 0.141 W/kg

Maximum value of SAR (measured) = 0.279 W/kg



0 dB = 0.279 W/kg

Meas.64 Body Plane with Back Side 10mm on 505000 Channel in N7 mode with Antenna 1

Date: 2023.06.19

Communication System Band: N7; Frequency: 2527.5 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 2527.5$ MHz; $\sigma = 1.883$ S/m; $\epsilon_r = 39.713$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.78, 7.78, 7.78); Calibrated: 2023.01.19;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2023.01.30
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch505000/Area Scan (81x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.515 W/kg

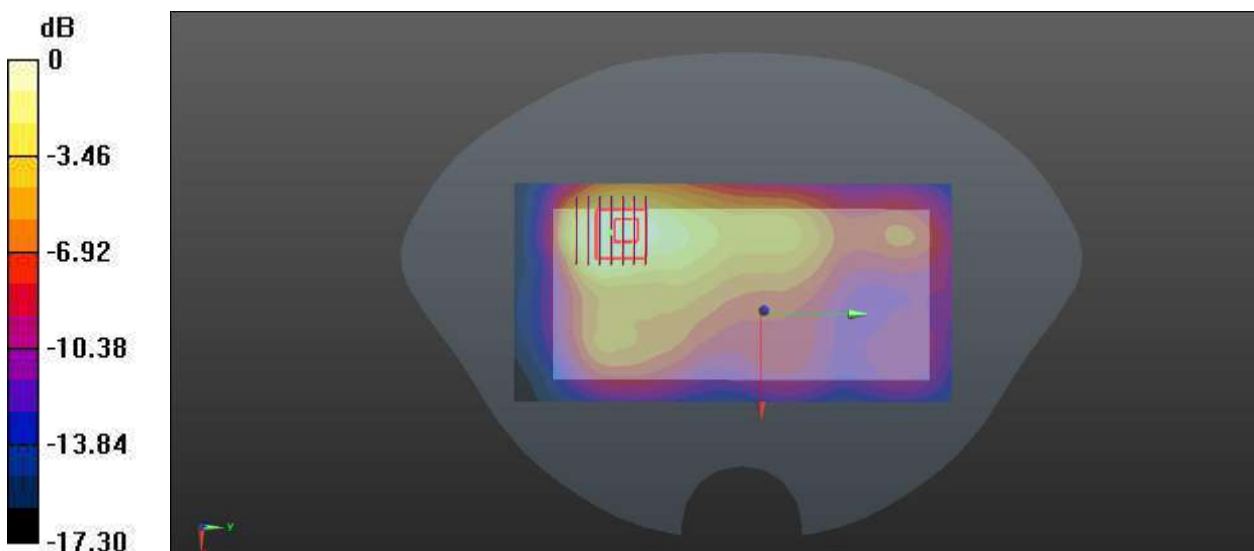
Ch505000/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 7.630 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 0.896 W/kg

SAR(1 g) = 0.469 W/kg; SAR(10 g) = 0.256 W/kg

Maximum value of SAR (measured) = 0.512 W/kg



0 dB = 0.512 W/kg

Meas.65 Body Plane with Back Side 0mm on 505000 Channel in N7 mode with Antenna 1

Date: 2023.06.19

Communication System Band: N7; Frequency: 2527.5 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 2527.5$ MHz; $\sigma = 1.883$ S/m; $\epsilon_r = 39.713$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.78, 7.78, 7.78); Calibrated: 2023.01.19;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2023.01.30
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch505000/Area Scan (81x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 4.16 W/kg

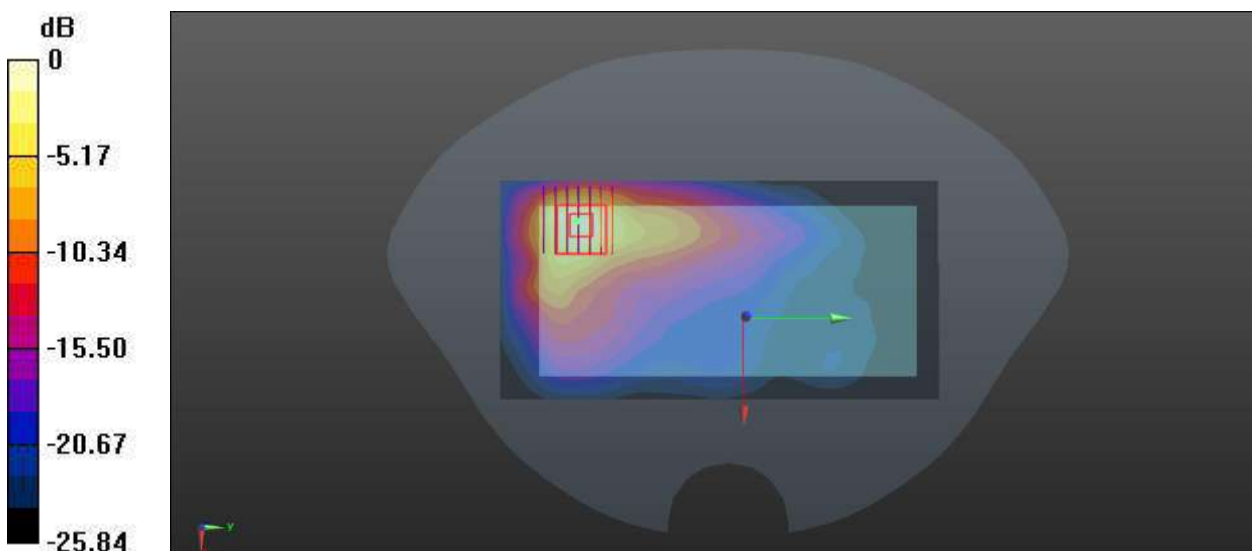
Ch505000/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 5.707 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 8.67 W/kg

SAR(1 g) = 3.64 W/kg; SAR(10 g) = 1.57 W/kg

Maximum value of SAR (measured) = 4.24 W/kg



0 dB = 4.24 W/kg

Meas.66 Right Head with Cheek on 520000 Channel in N38 mode with Antenna 1

Date: 2023.06.07

Communication System Band: N38; Frequency: 2600 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2600$ MHz; $\sigma = 1.925$ S/m; $\epsilon_r = 37.711$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Ambient Temperature: 22.4°C Liquid Temperature: 21.2°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.56, 7.56, 7.56); Calibrated: 2022.07.04;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2023.03.23
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch520000-TX19/Area Scan (81x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 1.05 W/kg

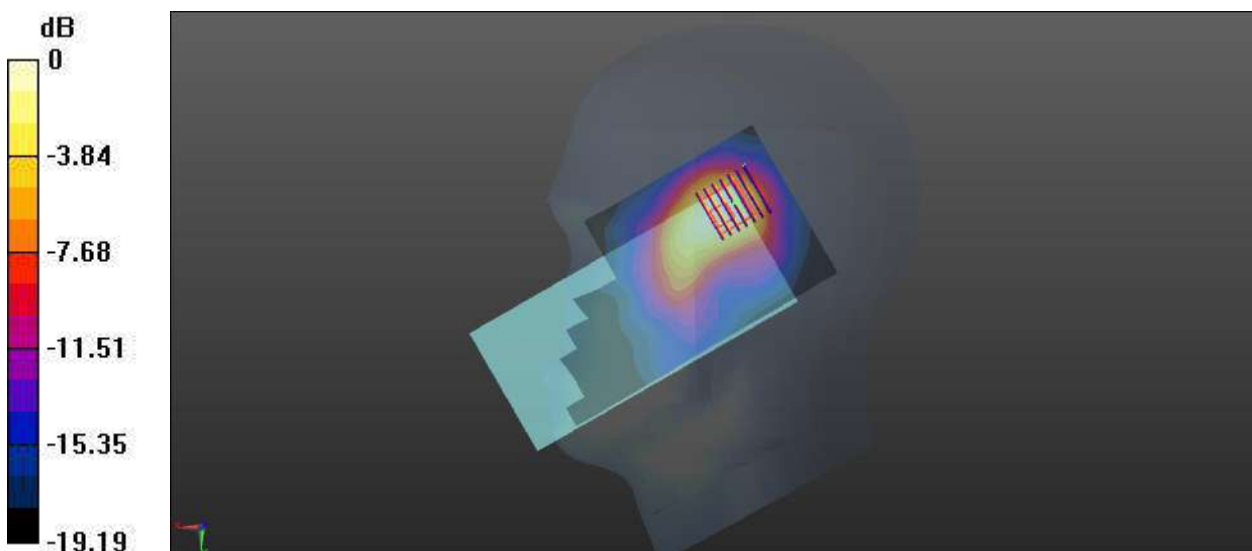
Ch520000-TX19/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 7.997 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 1.72 W/kg

SAR(1 g) = 0.811 W/kg; SAR(10 g) = 0.415 W/kg

Maximum value of SAR (measured) = 0.918 W/kg



0 dB = 0.918 W/kg

Meas.67 Body Plane with Back Side 15mm on 519000 Channel in N38 mode with Antenna 0

Date: 2023.06.07

Communication System Band: N38; Frequency: 2595 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2595$ MHz; $\sigma = 1.918$ S/m; $\epsilon_r = 38.593$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.4°C Liquid Temperature: 21.2°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.56, 7.56, 7.56); Calibrated: 2022.07.04;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2023.03.23
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch519000/Area Scan (81x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.232 W/kg

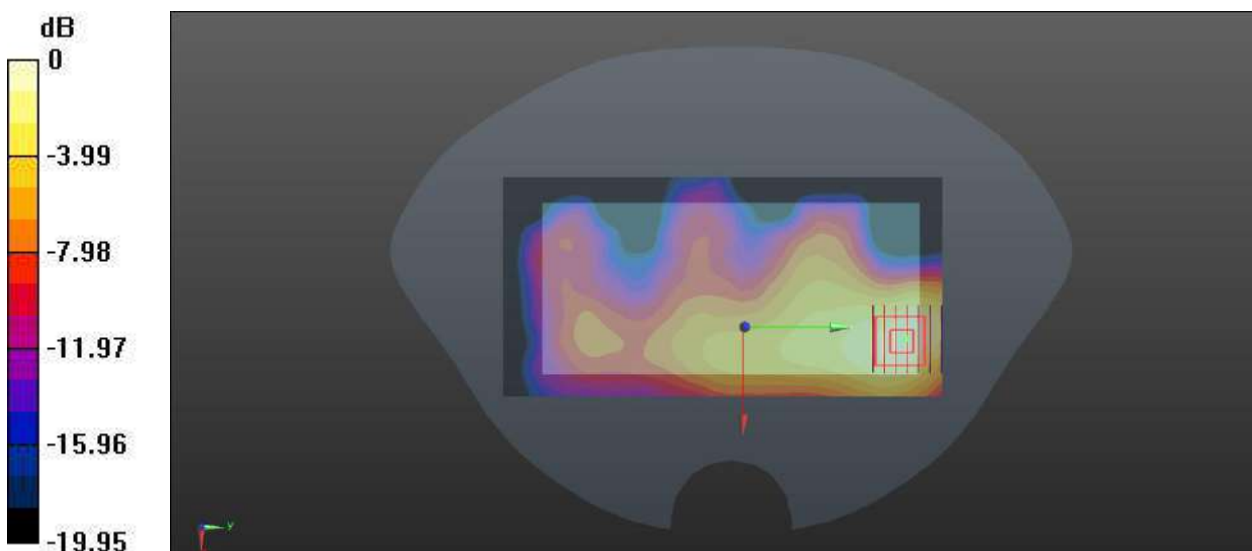
Ch519000/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 3.694 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.378 W/kg

SAR(1 g) = 0.211 W/kg; SAR(10 g) = 0.112 W/kg

Maximum value of SAR (measured) = 0.233 W/kg



0 dB = 0.233 W/kg

Meas.68 Body Plane with Back Side 10mm on 520000 Channel in N38 mode with Antenna 1

Date: 2023.06.07

Communication System Band: N38; Frequency: 2600 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2600$ MHz; $\sigma = 1.925$ S/m; $\epsilon_r = 37.711$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.4°C Liquid Temperature: 21.2°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.56, 7.56, 7.56); Calibrated: 2022.07.04;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2023.03.23
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch520000/Area Scan (81x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.591 W/kg

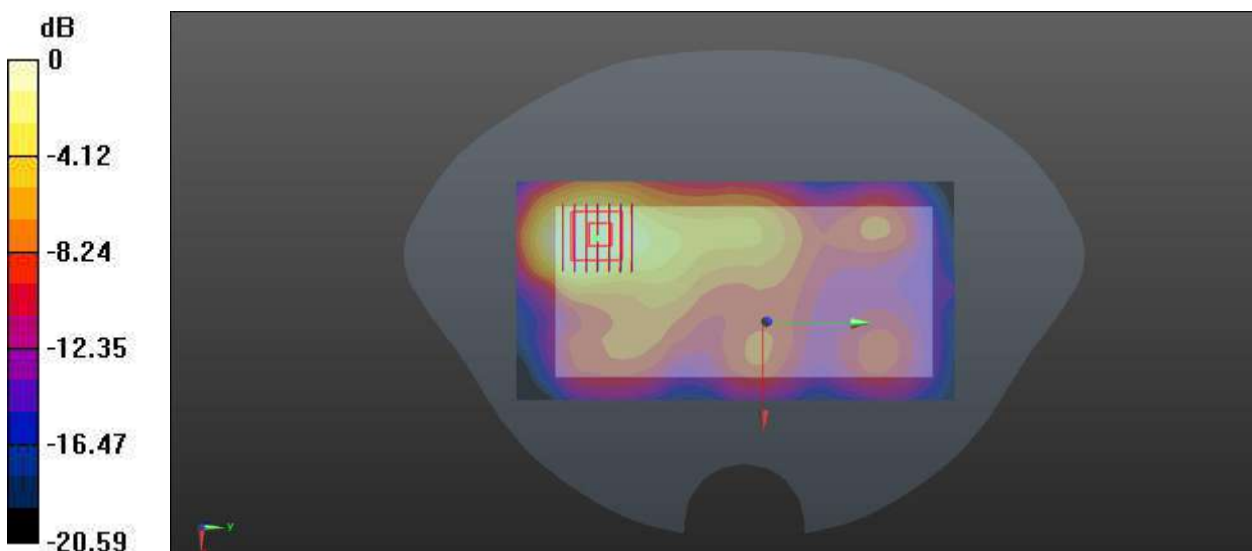
Ch520000/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 6.580 V/m; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 0.992 W/kg

SAR(1 g) = 0.535 W/kg; SAR(10 g) = 0.286 W/kg

Maximum value of SAR (measured) = 0.581 W/kg



0 dB = 0.581 W/kg

Meas.69 Body Plane with Back Side 0mm on 520000 Channel in N38 mode with Antenna 1

Date: 2023.06.07

Communication System Band: N38; Frequency: 2600 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2600$ MHz; $\sigma = 1.925$ S/m; $\epsilon_r = 37.711$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.4°C Liquid Temperature: 21.2°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.56, 7.56, 7.56); Calibrated: 2022.07.04;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2023.03.23
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch520000/Area Scan (81x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 3.13 W/kg

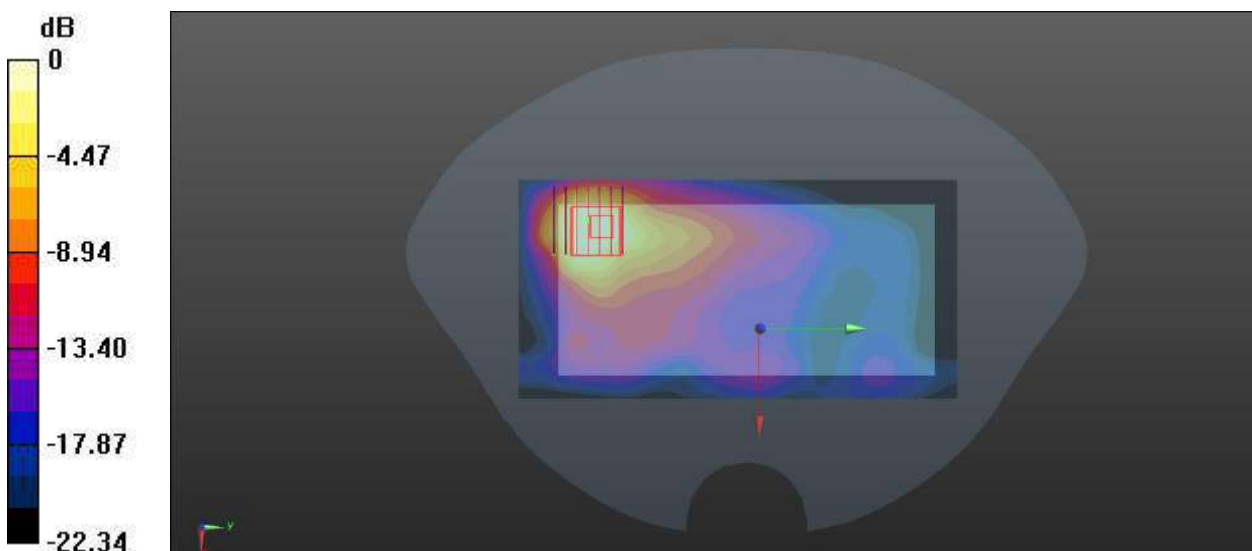
Ch520000/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 7.136 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 5.50 W/kg

SAR(1 g) = 2.46 W/kg; SAR(10 g) = 1.21 W/kg

Maximum value of SAR (measured) = 2.76 W/kg



0 dB = 2.76 W/kg

Meas.70 Right Head with Cheek on 528000 Channel in N41 mode with Antenna 1

Date: 2023.06.09

Communication System Band: N41; Frequency: 2640 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 2640$ MHz; $\sigma = 2.062$ S/m; $\epsilon_r = 38.258$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Ambient Temperature: 22.6°C Liquid Temperature: 21.3°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.56, 7.56, 7.56); Calibrated: 2022.07.04;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2023.03.23
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch528000/Area Scan (81x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 1.32 W/kg

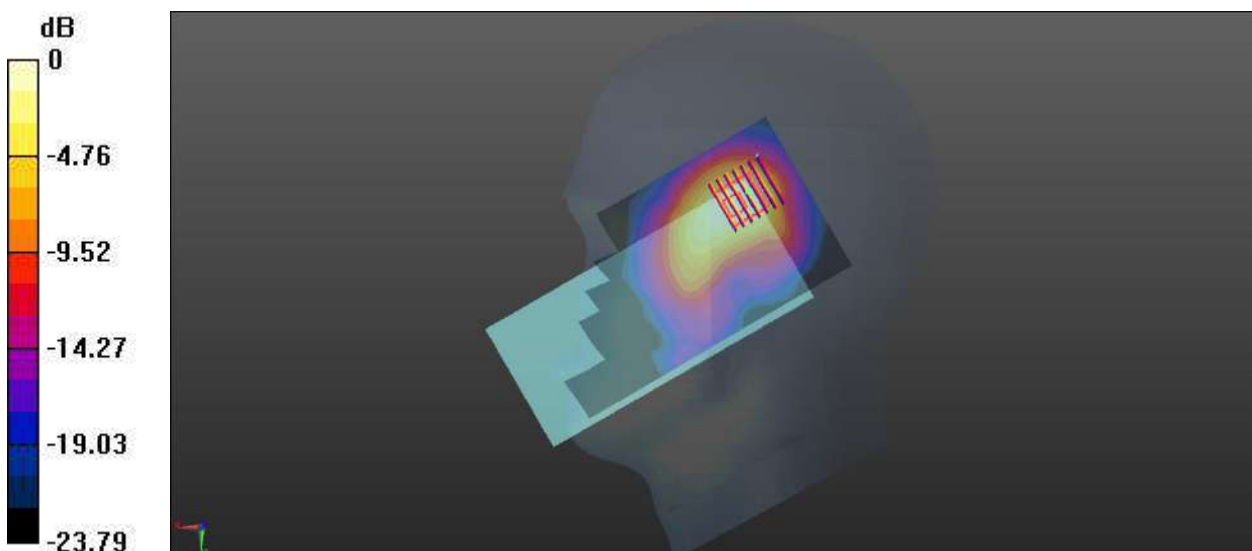
Ch528000/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 9.151 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 2.34 W/kg

SAR(1 g) = 1 W/kg; SAR(10 g) = 0.518 W/kg

Maximum value of SAR (measured) = 1.15 W/kg



0 dB = 1.15 W/kg

Meas.71 Body Plane with Back Side 15mm on 528000 Channel in N41 mode with Antenna 0

Date: 2023.06.09

Communication System Band: N41; Frequency: 2640 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 2640$ MHz; $\sigma = 2.062$ S/m; $\epsilon_r = 38.258$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.6°C Liquid Temperature: 21.3°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.56, 7.56, 7.56); Calibrated: 2022.07.04;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2023.03.23
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch528000/Area Scan (81x171x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.184 W/kg

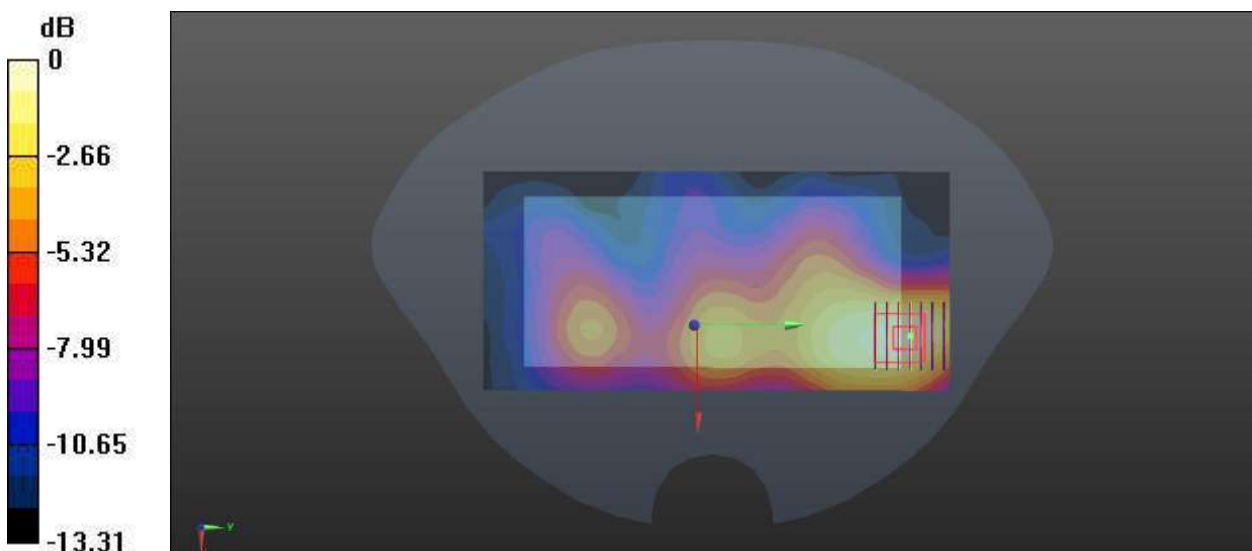
Ch528000/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 4.734 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 0.304 W/kg

SAR(1 g) = 0.169 W/kg; SAR(10 g) = 0.096 W/kg

Maximum value of SAR (measured) = 0.184 W/kg



0 dB = 0.184 W/kg

Meas.72 Body Plane with Back Side 10mm on 528000 Channel in N41 mode with Antenna 0

Date: 2023.06.09

Communication System Band: N41; Frequency: 2640 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 2640$ MHz; $\sigma = 2.062$ S/m; $\epsilon_r = 38.258$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.6°C Liquid Temperature: 21.3°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.56, 7.56, 7.56); Calibrated: 2022.07.04;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2023.03.23
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch528000/Area Scan (81x171x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.419 W/kg

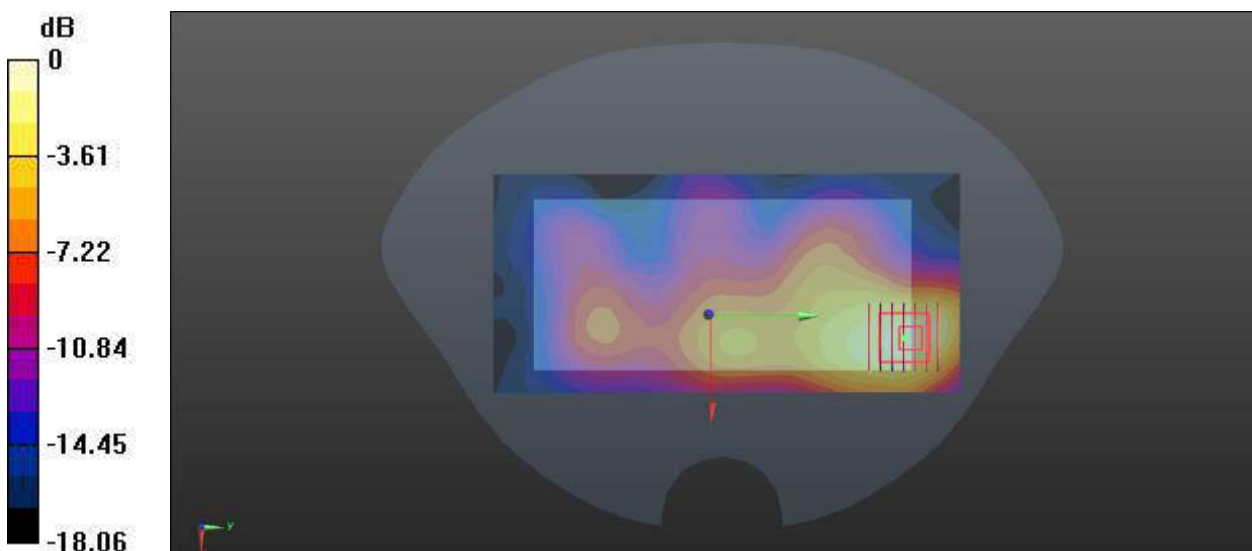
Ch528000/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 5.847 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 1.37 W/kg

SAR(1 g) = 0.377 W/kg; SAR(10 g) = 0.201 W/kg

Maximum value of SAR (measured) = 0.419 W/kg



0 dB = 0.419 W/kg

Meas.73 Body Plane with Back Side 0mm on 518598 Channel in N41 mode with Antenna 1

Date: 2023.06.09

Communication System Band: N41; Frequency: 2592.99 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 2592.99$ MHz; $\sigma = 1.955$ S/m; $\epsilon_r = 40.212$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.6°C Liquid Temperature: 21.3°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.56, 7.56, 7.56); Calibrated: 2022.07.04;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2023.03.23
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch518598/Area Scan (81x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 4.06 W/kg

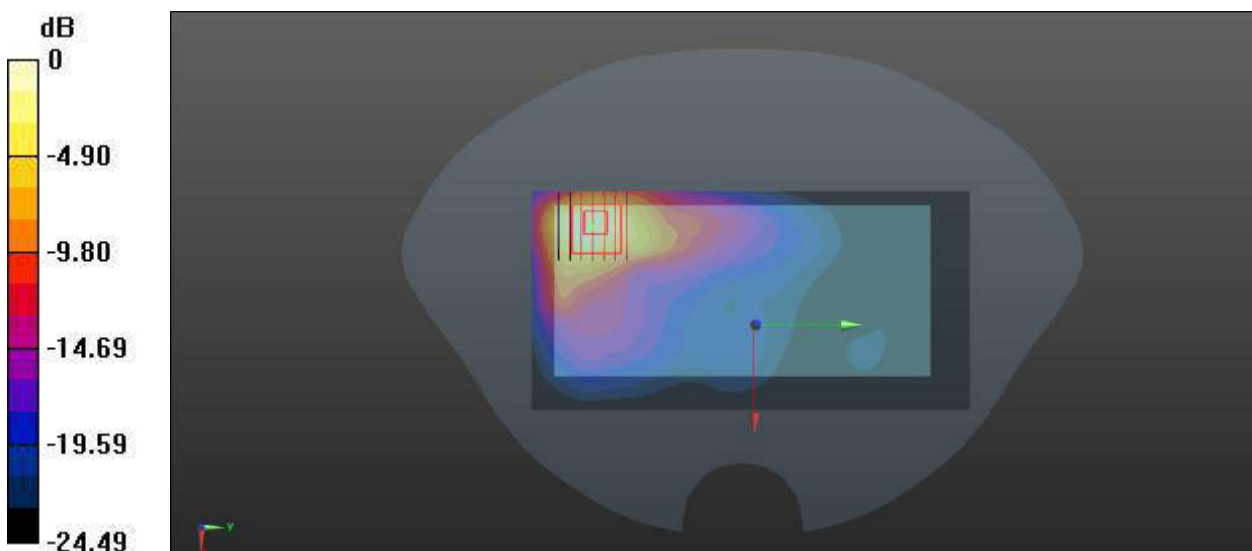
Ch518598/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 3.861 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 7.02 W/kg

SAR(1 g) = 2.96 W/kg; SAR(10 g) = 1.27 W/kg

Maximum value of SAR (measured) = 3.44 W/kg



0 dB = 3.44 W/kg

Meas.74 Right Head with Tilt on 346500 Channel in N66 mode with Antenna 1

Date: 2023.06.05

Communication System Band: N66; Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 1732.5$ MHz; $\sigma = 1.379$ S/m; $\epsilon_r = 40.812$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Ambient Temperature: 22.2°C Liquid Temperature: 21.2°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(8.65, 8.65, 8.65); Calibrated: 2023.01.19;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2023.01.30
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch346500/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.918 W/kg

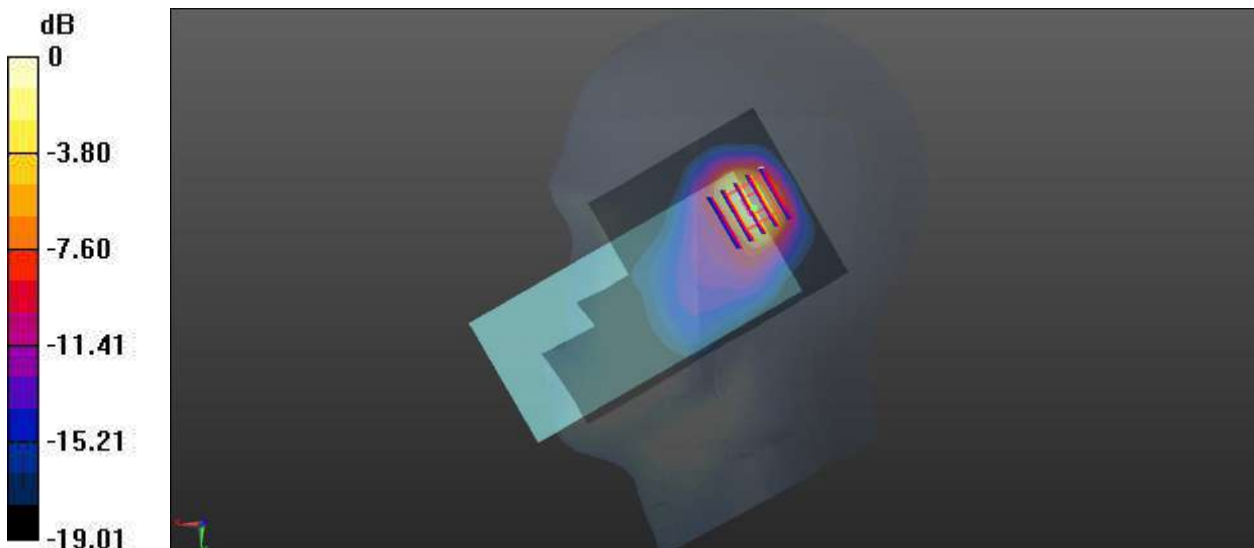
Ch346500/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 16.37 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 1.73 W/kg

SAR(1 g) = 0.831 W/kg; SAR(10 g) = 0.373 W/kg

Maximum value of SAR (measured) = 0.984 W/kg



0 dB = 0.984 W/kg

Meas.75 Body Plane with Back Side 15mm on 349500 Channel in N66 mode with Antenna 1

Date: 2023.06.05

Communication System Band: N66; Frequency: 1747.5 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 1747.5$ MHz; $\sigma = 1.388$ S/m; $\epsilon_r = 40.623$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Ambient Temperature: 22.2°C Liquid Temperature: 21.2°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(8.65, 8.65, 8.65); Calibrated: 2023.01.19;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2023.01.30
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch349500/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.212 W/kg

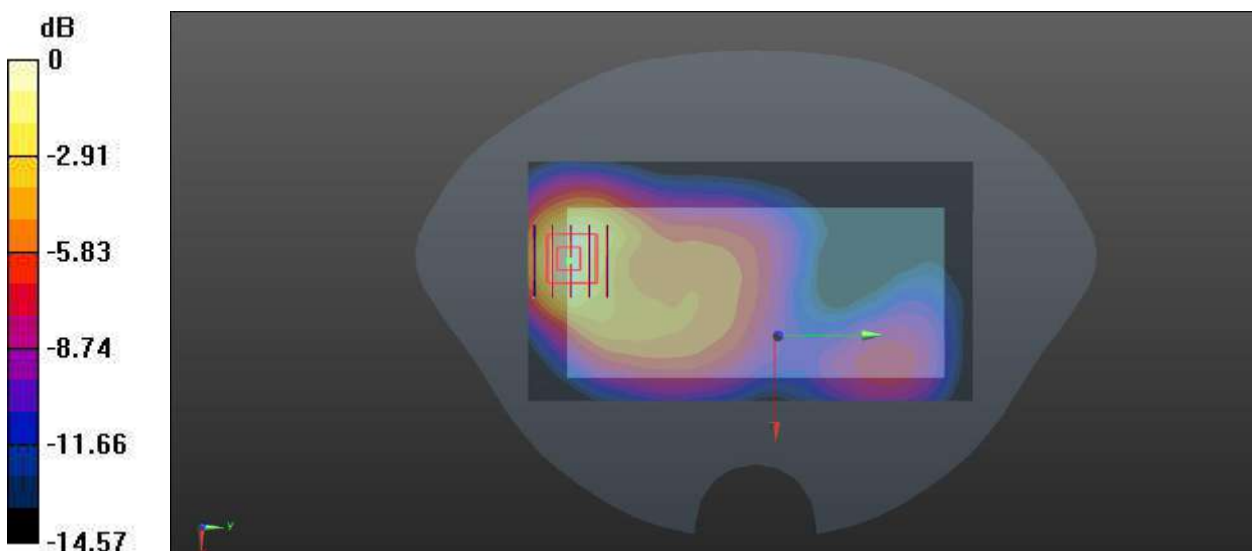
Ch349500/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.669 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 0.308 W/kg

SAR(1 g) = 0.190 W/kg; SAR(10 g) = 0.111 W/kg

Maximum value of SAR (measured) = 0.211 W/kg



0 dB = 0.211 W/kg

Meas.76 Body Plane with Top Edge 10mm on 349500 Channel in N66 mode with Antenna 1

Date: 2023.06.05

Communication System Band: N66; Frequency: 1747.5 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 1747.5$ MHz; $\sigma = 1.388$ S/m; $\epsilon_r = 40.623$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.2°C Liquid Temperature: 21.2°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(8.65, 8.65, 8.65); Calibrated: 2023.01.19;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2023.01.30
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch349500/Area Scan (61x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.662 W/kg

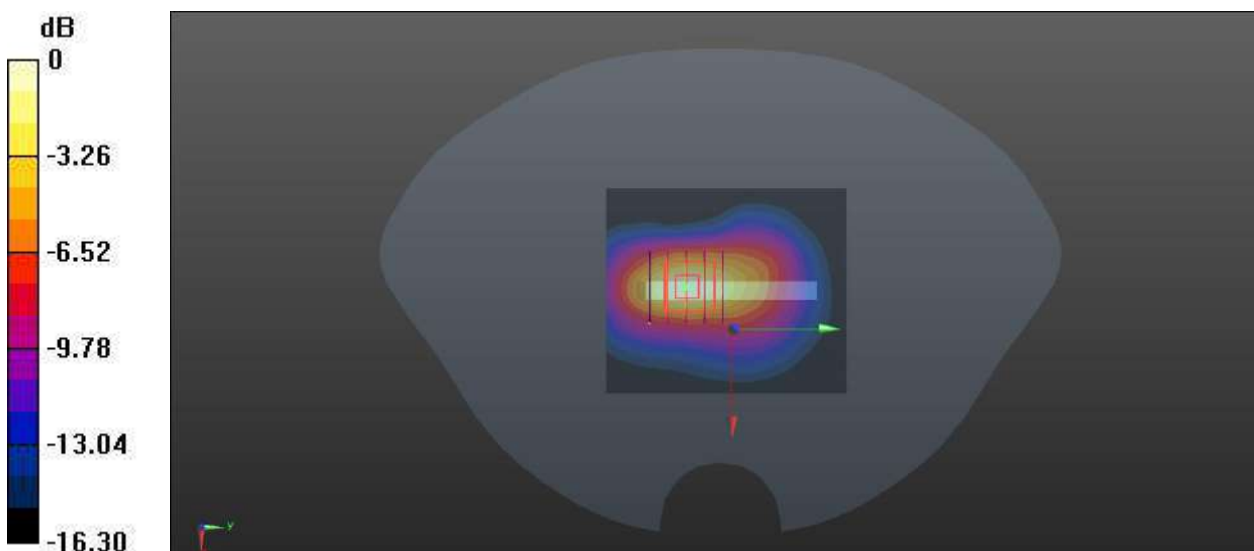
Ch349500/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 18.12 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 0.992 W/kg

SAR(1 g) = 0.583 W/kg; SAR(10 g) = 0.298 W/kg

Maximum value of SAR (measured) = 0.646 W/kg



0 dB = 0.646 W/kg

Meas.77 Body Plane with Top Edge 0mm on 349500 Channel in N66 mode with Antenna 1

Date: 2023.06.05

Communication System Band: N66; Frequency: 1747.5 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 1747.5$ MHz; $\sigma = 1.388$ S/m; $\epsilon_r = 40.623$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.2°C Liquid Temperature: 21.2°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(8.65, 8.65, 8.65); Calibrated: 2023.01.19;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2023.01.30
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch349500/Area Scan (61x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 5.25 W/kg

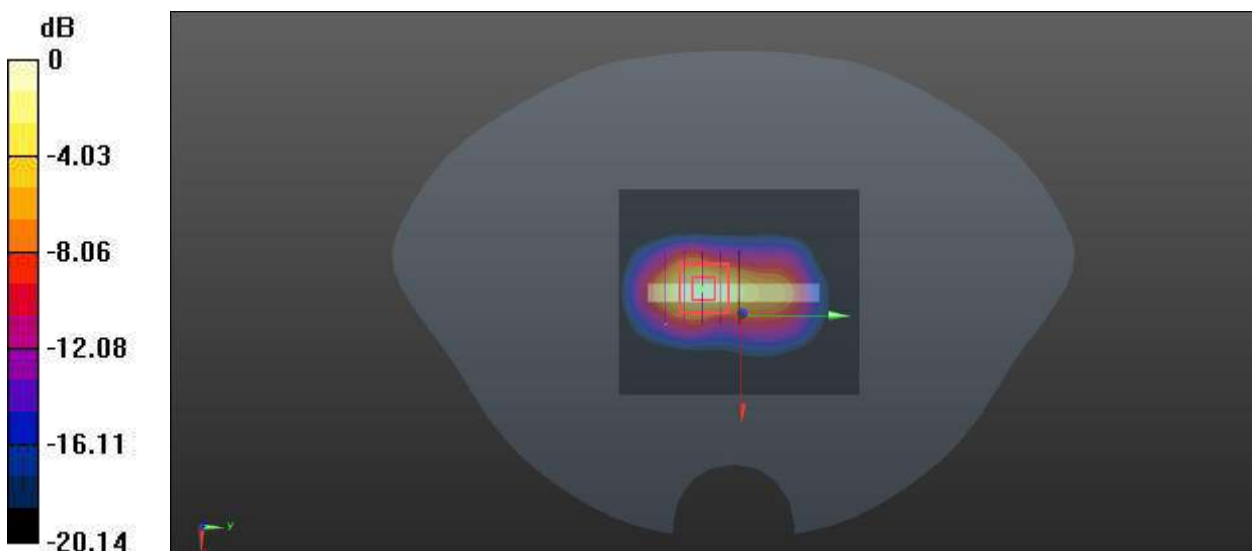
Ch349500/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 47.42 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 9.18 W/kg

SAR(1 g) = 3.91 W/kg; SAR(10 g) = 1.62 W/kg

Maximum value of SAR (measured) = 4.87 W/kg



0 dB = 4.87 W/kg

Meas.78 Left Head with Cheek on 6 Channel in IEEE802.11b mode with Antenna 5

Date: 2023.06.14

Communication System Band: WLAN(b); Frequency: 2437 MHz; Duty Cycle: 1:1.006

Medium parameters used (interpolated): $f = 2437$ MHz; $\sigma = 1.788$ S/m; $\epsilon_r = 38.53$; $\rho = 1000$ kg/m³

Phantom section: Left Section

Ambient Temperature: 22.2°C Liquid Temperature: 21.2°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.79, 7.79, 7.79); Calibrated: 2022.07.04;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2023.03.23
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch6/Area Scan (81x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.761 W/kg

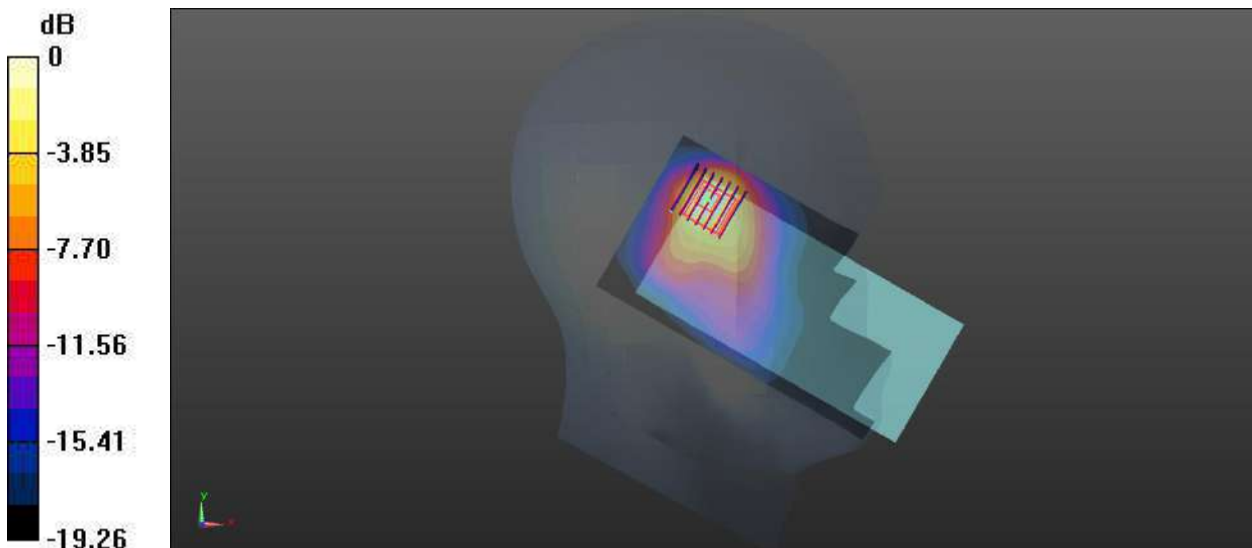
Ch6/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 7.346 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 0.884 W/kg

SAR(1 g) = 0.439 W/kg; SAR(10 g) = 0.214 W/kg

Maximum value of SAR (measured) = 0.638 W/kg



0 dB = 0.638 W/kg

Meas.79 Body Plane with Back Side 15mm on 7 Channel in IEEE802.11b mode with Antenna 5

Date: 2023.06.14

Communication System Band: WLAN(b); Frequency: 2442 MHz; Duty Cycle: 1:1.006

Medium parameters used (interpolated): $f = 2442$ MHz; $\sigma = 1.794$ S/m; $\epsilon_r = 38.435$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.2°C Liquid Temperature: 21.2°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.79, 7.79, 7.79); Calibrated: 2022.07.04;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2023.03.23
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch7/Area Scan (81x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.0928 W/kg

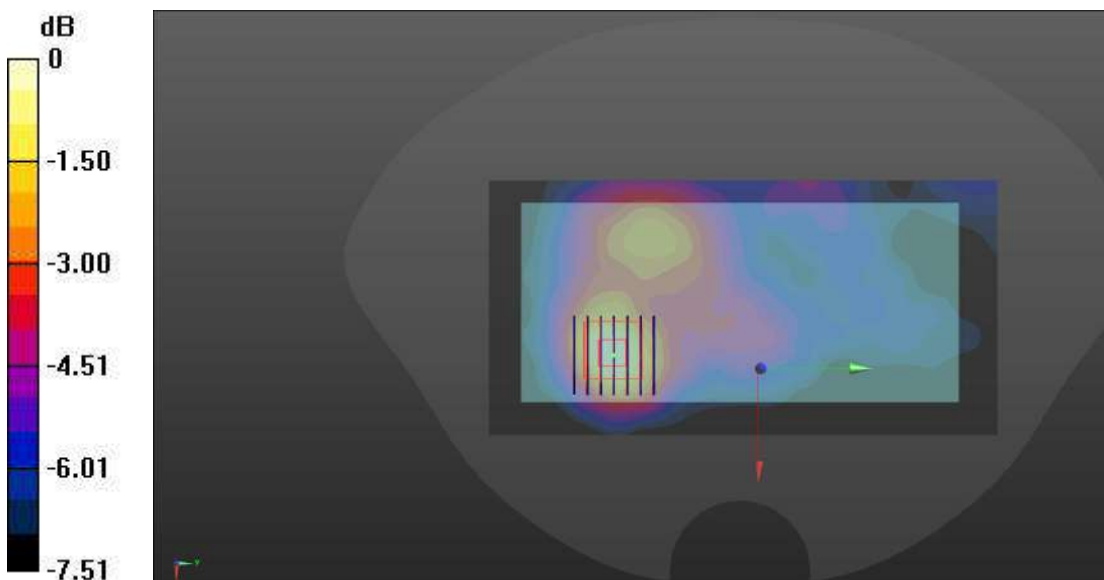
Ch7/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 3.866 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.150 W/kg

SAR(1 g) = 0.085 W/kg; SAR(10 g) = 0.052 W/kg

Maximum value of SAR (measured) = 0.0921 W/kg



0 dB = 0.0921 W/kg

Meas.80 Body Plane with Back Side 10mm on 7 Channel in IEEE802.11b mode with Antenna 5

Date: 2023.06.14

Communication System Band: WLAN(b); Frequency: 2442 MHz; Duty Cycle: 1:1.006

Medium parameters used (interpolated): $f = 2442$ MHz; $\sigma = 1.794$ S/m; $\epsilon_r = 38.435$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.2°C Liquid Temperature: 21.2°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.79, 7.79, 7.79); Calibrated: 2022.07.04;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2023.03.23
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch7/Area Scan (81x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.237 W/kg

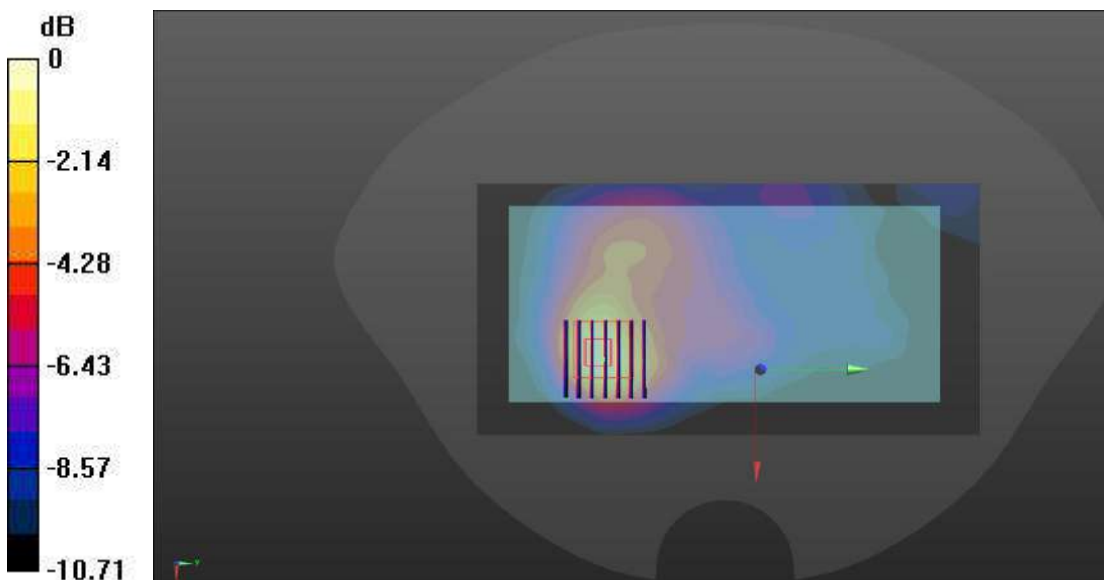
Ch7/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 4.893 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.387 W/kg

SAR(1 g) = 0.198 W/kg; SAR(10 g) = 0.105 W/kg

Maximum value of SAR (measured) = 0.214 W/kg



0 dB = 0.214 W/kg

Meas.81 Left Head with Cheek on 54 Channel in IEEE802.11n40 mode with Antenna 5

Date: 2023.06.11

Communication System Band: WLAN(n40); Frequency: 5270 MHz; Duty Cycle: 1:1.062

Medium parameters used (interpolated): $f = 5270$ MHz; $\sigma = 4.692$ S/m; $\epsilon_r = 35.489$; $\rho = 1000$ kg/m³

Phantom section: Left Section

Ambient Temperature: 22.3°C Liquid Temperature: 21.2°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(5.45, 5.45, 5.45); Calibrated: 2022.07.04;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2023.03.23
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch54/Area Scan (101x171x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 1.10 W/kg

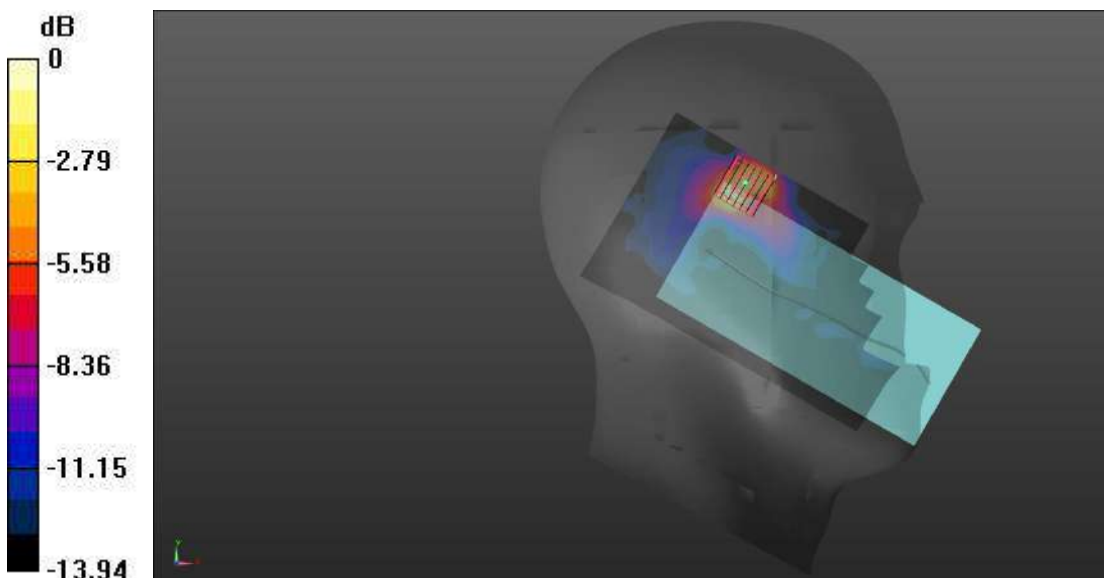
Ch54/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 2.165 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 2.56 W/kg

SAR(1 g) = 0.645 W/kg; SAR(10 g) = 0.244 W/kg

Maximum value of SAR (measured) = 1.30 W/kg



0 dB = 1.30 W/kg

Meas.82 Left Head with Tilt on 122 Channel in IEEE802.11ac80 mode with Antenna 5

Date: 2023.06.12

Communication System Band: WLAN(ac80); Frequency: 5610 MHz; Duty Cycle: 1:1.116

Medium parameters used (interpolated): $f = 5610$ MHz; $\sigma = 5.034$ S/m; $\epsilon_r = 35.458$; $\rho = 1000$ kg/m³

Phantom section: Left Section

Ambient Temperature: 22.5°C Liquid Temperature: 21.4°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(4.9, 4.9, 4.9); Calibrated: 2022.07.04;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2023.03.23
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch122/Area Scan (101x191x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

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

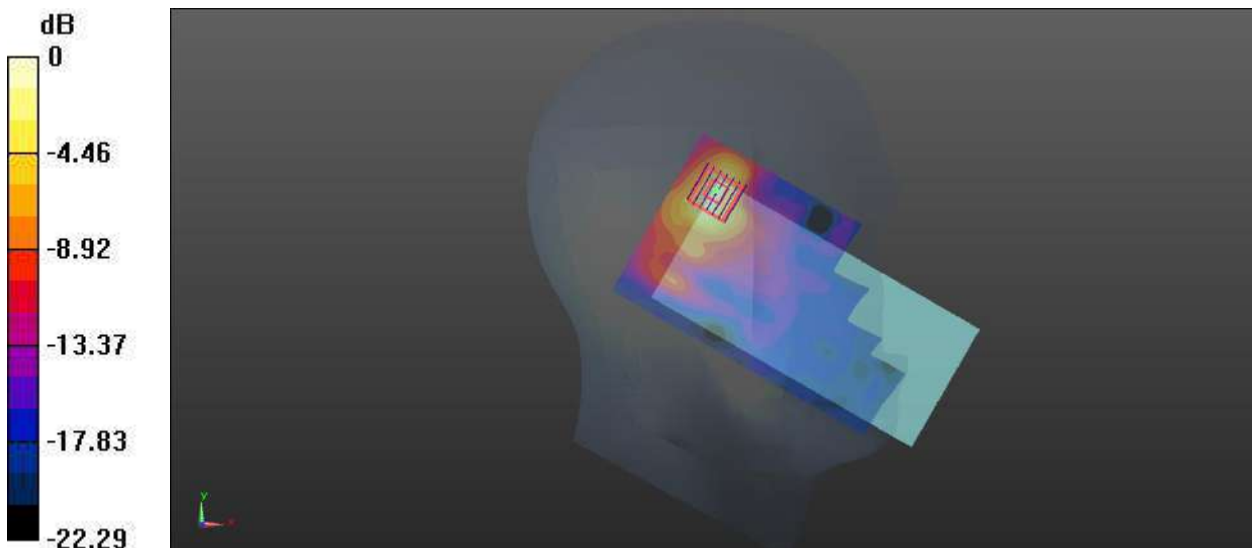
Ch122/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 3.819 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 1.87 W/kg

SAR(1 g) = 0.425 W/kg; SAR(10 g) = 0.154 W/kg

Maximum value of SAR (measured) = 0.852 W/kg



0 dB = 0.852 W/kg

Meas.83 Left Head with Tilt on 155 Channel in IEEE802.11ac80 mode with Antenna 5

Date: 2023.06.13

Communication System Band: WLAN(ac80); Frequency: 5775 MHz; Duty Cycle: 1:1.116

Medium parameters used (interpolated): $f = 5775$ MHz; $\sigma = 5.229$ S/m; $\epsilon_r = 36.007$; $\rho = 1000$ kg/m³

Phantom section: Left Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(5, 5, 5); Calibrated: 2022.07.04;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2023.03.23
- 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) = 0.722 W/kg

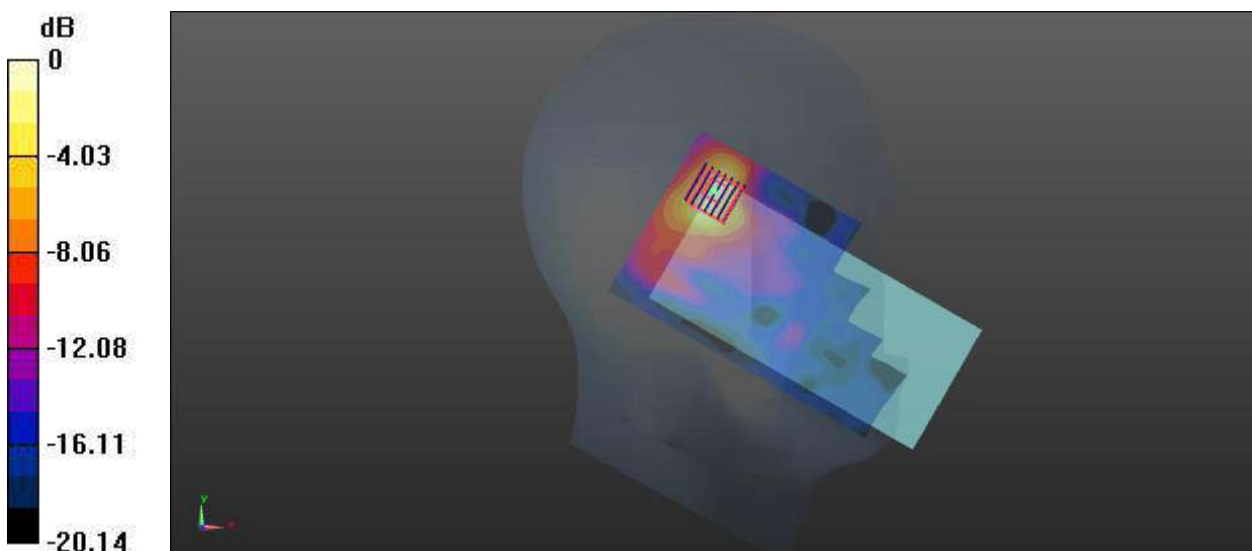
Ch155/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 3.114 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 1.69 W/kg

SAR(1 g) = 0.365 W/kg; SAR(10 g) = 0.136 W/kg

Maximum value of SAR (measured) = 0.733 W/kg



0 dB = 0.733 W/kg

Meas.84 Body Plane with Back Side 15mm on 54 Channel in IEEE802.11n40 mode with Antenna 5

Date: 2023.06.11

Communication System Band: WLAN(n40); Frequency: 5270 MHz; Duty Cycle: 1:1.062

Medium parameters used (interpolated): $f = 5270$ MHz; $\sigma = 4.692$ S/m; $\epsilon_r = 35.489$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.3°C Liquid Temperature: 21.2°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(5.45, 5.45, 5.45); Calibrated: 2022.07.04;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2023.03.23
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch54/Area Scan (101x191x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.915 W/kg

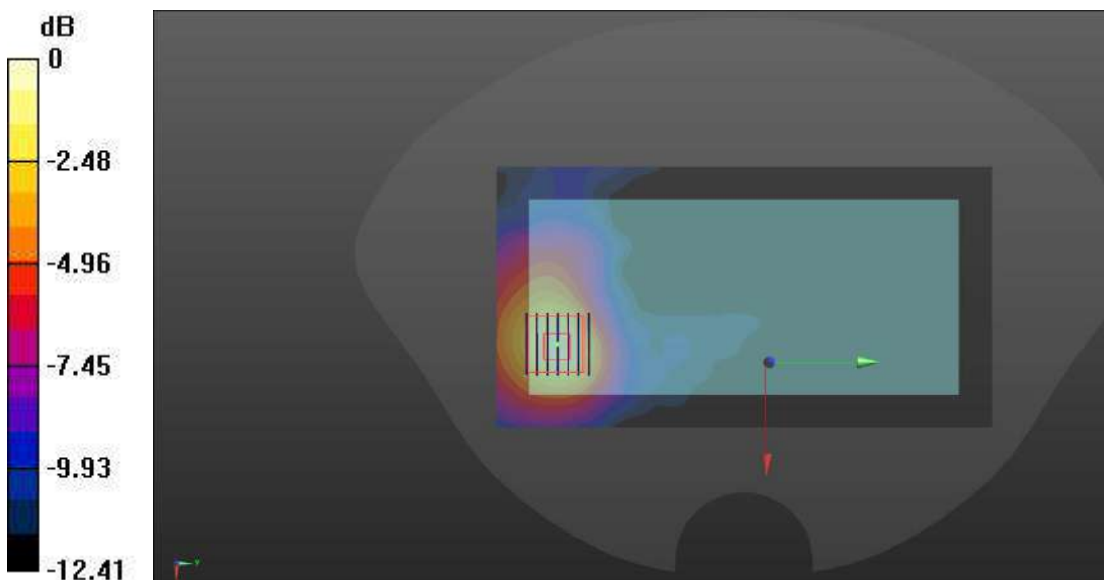
Ch54/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 2.640 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 1.48 W/kg

SAR(1 g) = 0.532 W/kg; SAR(10 g) = 0.247 W/kg

Maximum value of SAR (measured) = 0.904 W/kg



0 dB = 0.904 W/kg

Meas.85 Body Plane with Back Side 15mm on 118 Channel in IEEE802.11n40 mode with Antenna 5

Date: 2023.06.12

Communication System Band: WLAN(n40); Frequency: 5590 MHz; Duty Cycle: 1:1.062

Medium parameters used (interpolated): $f = 5590$ MHz; $\sigma = 4.989$ S/m; $\epsilon_r = 36.565$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.5°C Liquid Temperature: 21.4°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(4.9, 4.9, 4.9); Calibrated: 2022.07.04;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2023.03.23
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch118/Area Scan (101x191x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.758 W/kg

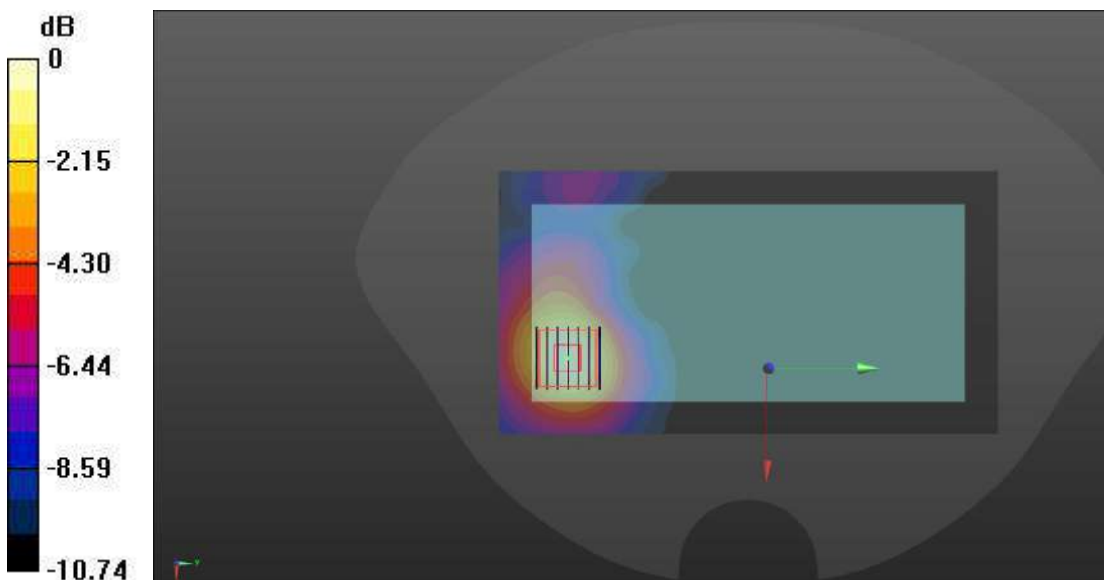
Ch118/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 3.485 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 1.28 W/kg

SAR(1 g) = 0.443 W/kg; SAR(10 g) = 0.220 W/kg

Maximum value of SAR (measured) = 0.745 W/kg



0 dB = 0.745 W/kg

Meas.86 Body Plane with Back Side 15mm on 155 Channel in IEEE802.11ac80 mode with Antenna

5

Date: 2023.06.13

Communication System Band: WLAN(ac80); Frequency: 5775 MHz; Duty Cycle: 1:1.116

Medium parameters used (interpolated): $f = 5775$ MHz; $\sigma = 5.229$ S/m; $\epsilon_r = 36.007$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(5, 5, 5); Calibrated: 2022.07.04;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2023.03.23
- 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) = 0.429 W/kg

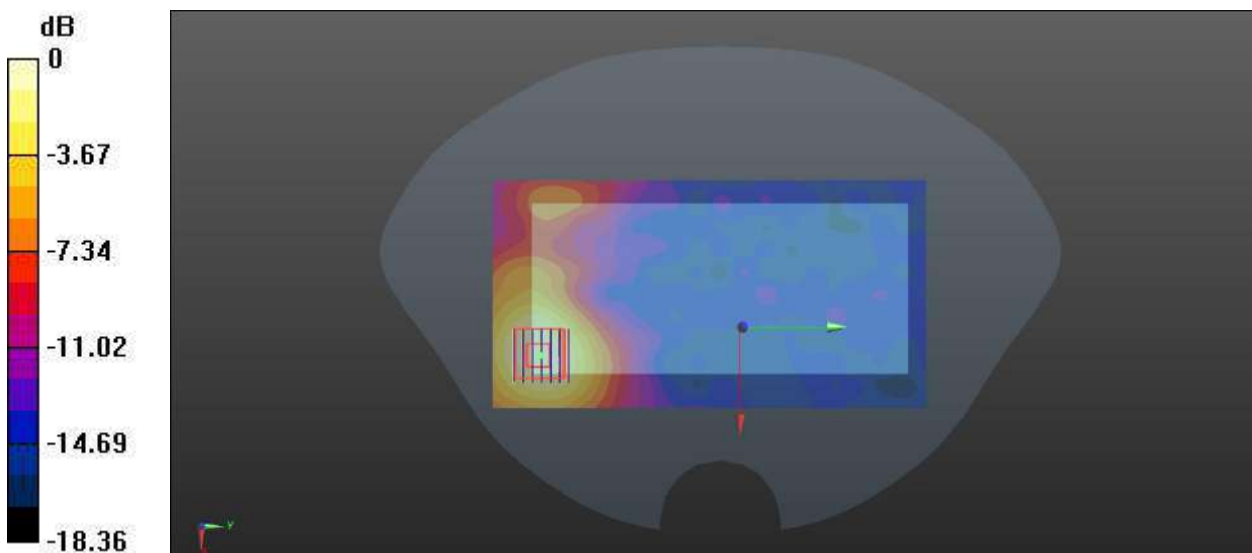
Ch155/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 1.431 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 0.899 W/kg

SAR(1 g) = 0.238 W/kg; SAR(10 g) = 0.106 W/kg

Maximum value of SAR (measured) = 0.421 W/kg



0 dB = 0.421 W/kg

Meas.87 Body Plane with Back Side 10mm on 46 Channel in IEEE802.11n40 mode with Antenna 5

Date: 2023.06.11

Communication System Band: WLAN(n40); Frequency: 5230 MHz; Duty Cycle: 1:1.062

Medium parameters used (interpolated): $f = 5230$ MHz; $\sigma = 4.601$ S/m; $\epsilon_r = 36.631$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.3°C Liquid Temperature: 21.2°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(5.45, 5.45, 5.45); Calibrated: 2022.07.04;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2023.03.23
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch46/Area Scan (101x191x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 1.59 W/kg

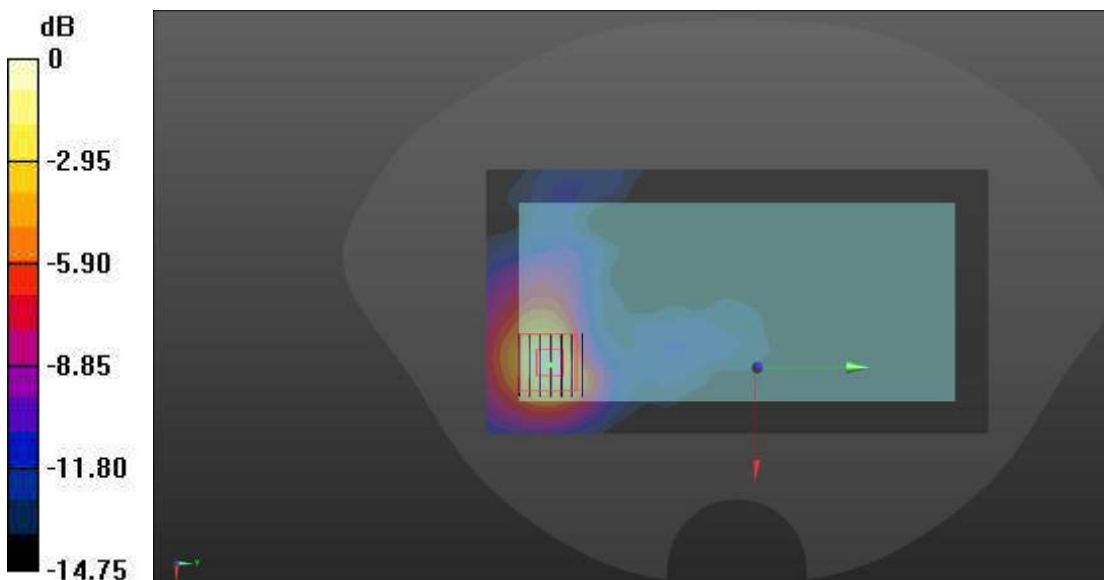
Ch46/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 2.802 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 2.69 W/kg

SAR(1 g) = 0.870 W/kg; SAR(10 g) = 0.340 W/kg

Maximum value of SAR (measured) = 1.57 W/kg



0 dB = 1.57 W/kg

Meas.88 Body Plane with Back Side 10mm on 155 Channel in IEEE802.11ac80 mode with Antenna

5

Date: 2023.06.13

Communication System Band: WLAN(ac80); Frequency: 5775 MHz; Duty Cycle: 1:1.116

Medium parameters used (interpolated): $f = 5775$ MHz; $\sigma = 5.229$ S/m; $\epsilon_r = 36.007$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(5, 5, 5); Calibrated: 2022.07.04;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2023.03.23
- 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) = 0.599 W/kg

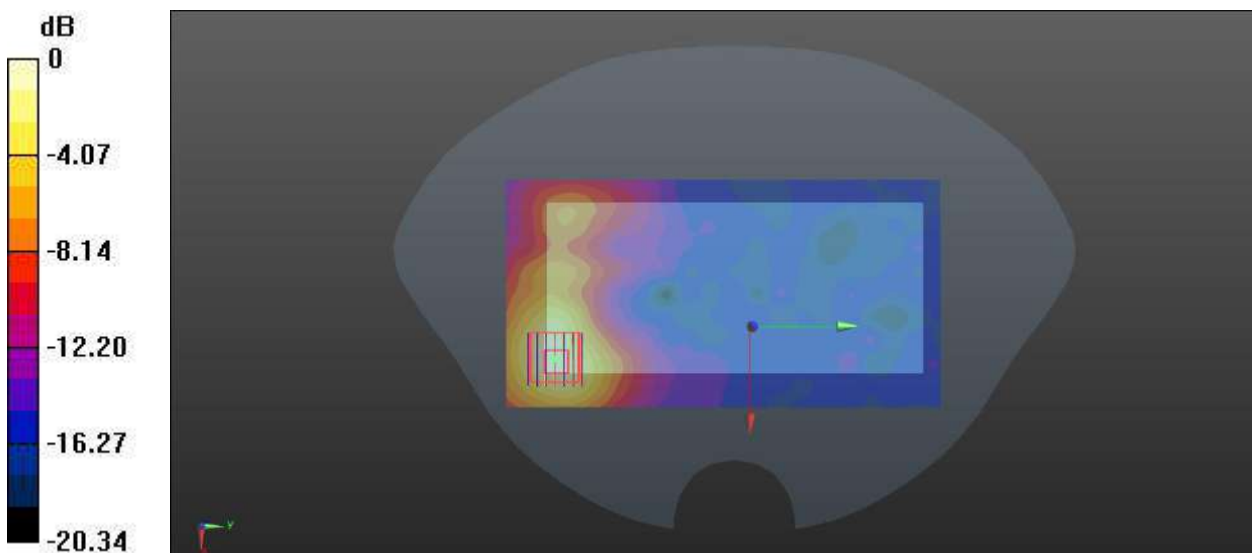
Ch155/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 1.349 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 1.28 W/kg

SAR(1 g) = 0.326 W/kg; SAR(10 g) = 0.133 W/kg

Maximum value of SAR (measured) = 0.598 W/kg



0 dB = 0.598 W/kg

Meas.89 Body Plane with Top Edge 0mm on 54 Channel in IEEE802.11n40 mode with Antenna 5

Date: 2023.06.11

Communication System Band: WLAN(n40); Frequency: 5270 MHz; Duty Cycle: 1:1.062

Medium parameters used (interpolated): $f = 5270$ MHz; $\sigma = 4.692$ S/m; $\epsilon_r = 35.489$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.3°C Liquid Temperature: 21.2°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(5.45, 5.45, 5.45); Calibrated: 2022.07.04;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2023.03.23
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch54/Area Scan (91x131x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 9.77 W/kg

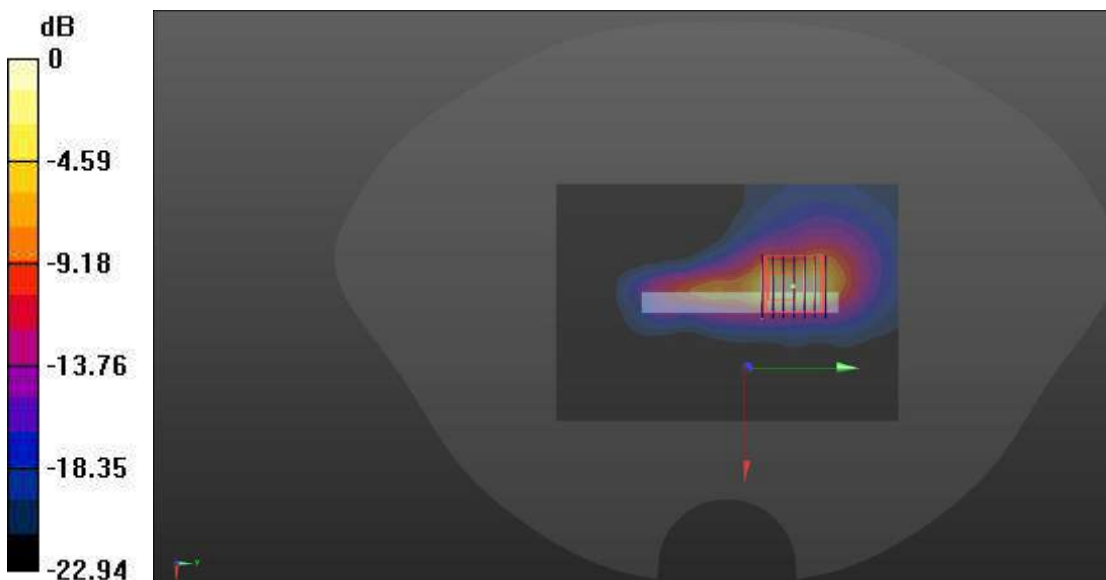
Ch54/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 13.34 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 21.8 W/kg

SAR(1 g) = 4.54 W/kg; SAR(10 g) = 1.32 W/kg

Maximum value of SAR (measured) = 11.5 W/kg



0 dB = 11.5 W/kg

Meas.90 Body Plane with Top Edge 0mm on 118 Channel in IEEE802.11n40 mode with Antenna 5

Date: 2023.06.12

Communication System Band: WLAN(n40); Frequency: 5590 MHz; Duty Cycle: 1:1.062

Medium parameters used (interpolated): $f = 5590$ MHz; $\sigma = 4.989$ S/m; $\epsilon_r = 36.565$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.5°C Liquid Temperature: 21.4°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(4.9, 4.9, 4.9); Calibrated: 2022.07.04;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2023.03.23
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch118/Area Scan (91x131x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 10.4 W/kg

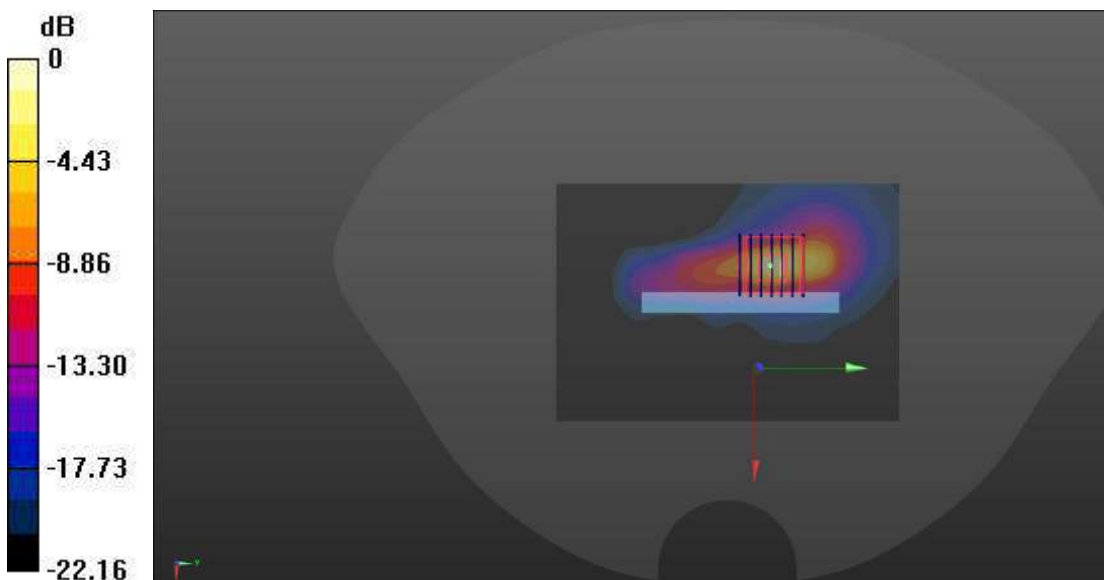
Ch118/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 5.947 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 23.1 W/kg

SAR(1 g) = 4.07 W/kg; SAR(10 g) = 0.957 W/kg

Maximum value of SAR (measured) = 10.8 W/kg



0 dB = 10.8 W/kg

Meas.91 Left Head with Cheek on 78 Channel in Bluetooth mode with Antenna 5

Date: 2023.06.14

Communication System Band: BT; Frequency: 2480 MHz; Duty Cycle: 1:1.311

Medium parameters used (interpolated): $f = 2480$ MHz; $\sigma = 1.846$ S/m; $\epsilon_r = 37.976$; $\rho = 1000$ kg/m³

Phantom section: Left Section

Ambient Temperature: 22.2°C Liquid Temperature: 21.2°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.79, 7.79, 7.79); Calibrated: 2022.07.04;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2023.03.23
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch78/Area Scan (81x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

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

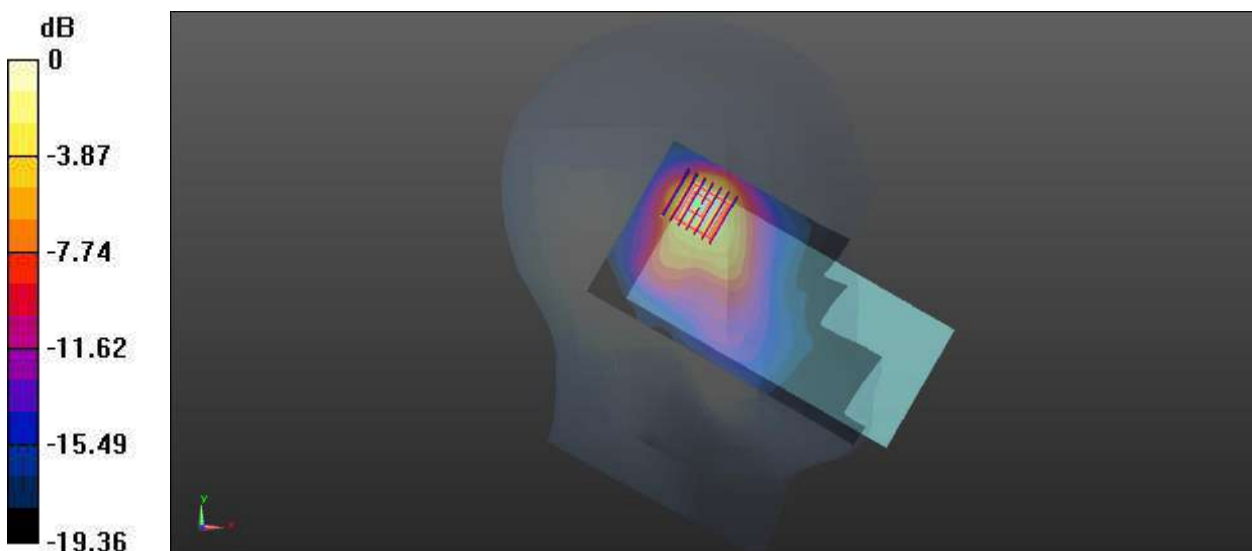
Ch78/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 6.130 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.611 W/kg

SAR(1 g) = 0.308 W/kg; SAR(10 g) = 0.152 W/kg

Maximum value of SAR (measured) = 0.443 W/kg



0 dB = 0.443 W/kg

Meas.92 Body Plane with Back Side 15mm on 78 Channel in Bluetooth mode with Antenna 5

Date: 2023.06.14

Communication System Band: BT; Frequency: 2480 MHz; Duty Cycle: 1:1.311

Medium parameters used (interpolated): $f = 2480$ MHz; $\sigma = 1.846$ S/m; $\epsilon_r = 37.976$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.2°C Liquid Temperature: 21.2°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.79, 7.79, 7.79); Calibrated: 2022.07.04;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2023.03.23
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch78/Area Scan (81x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.0693 W/kg

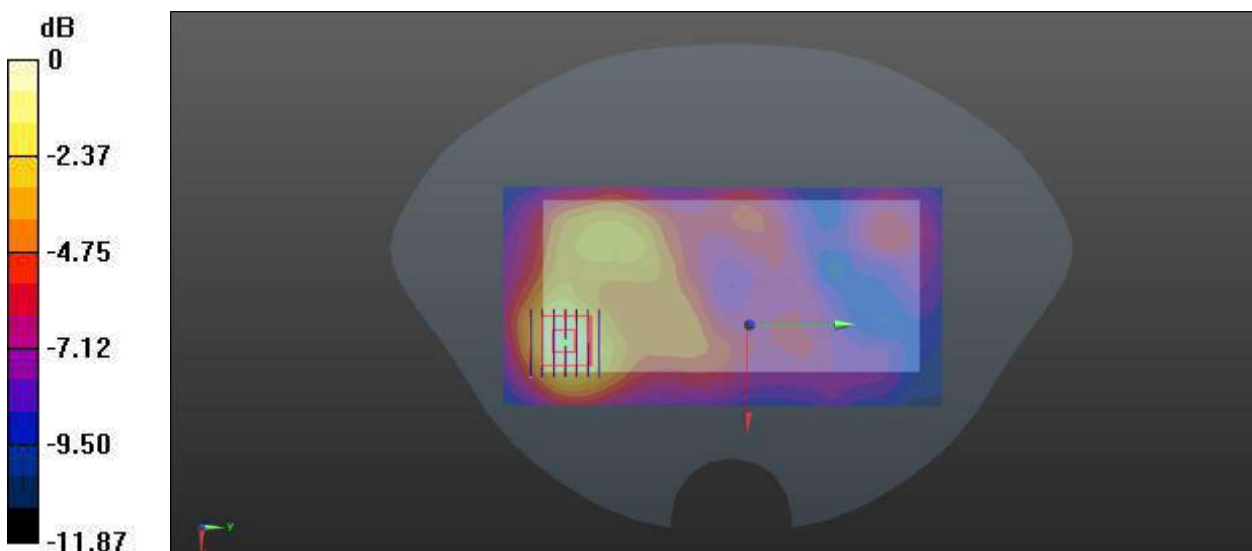
Ch78/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 2.709 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.106 W/kg

SAR(1 g) = 0.058 W/kg; SAR(10 g) = 0.032 W/kg

Maximum value of SAR (measured) = 0.0623 W/kg



0 dB = 0.0623 W/kg

Meas.93 Body Plane with Back Side 10mm on 78 Channel in Bluetooth mode with Antenna 5

Date: 2023.06.14

Communication System Band: BT; Frequency: 2480 MHz; Duty Cycle: 1:1.311

Medium parameters used (interpolated): $f = 2480$ MHz; $\sigma = 1.846$ S/m; $\epsilon_r = 37.976$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.2°C Liquid Temperature: 21.2°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.79, 7.79, 7.79); Calibrated: 2022.07.04;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2023.03.23
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch78/Area Scan (81x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.141 W/kg

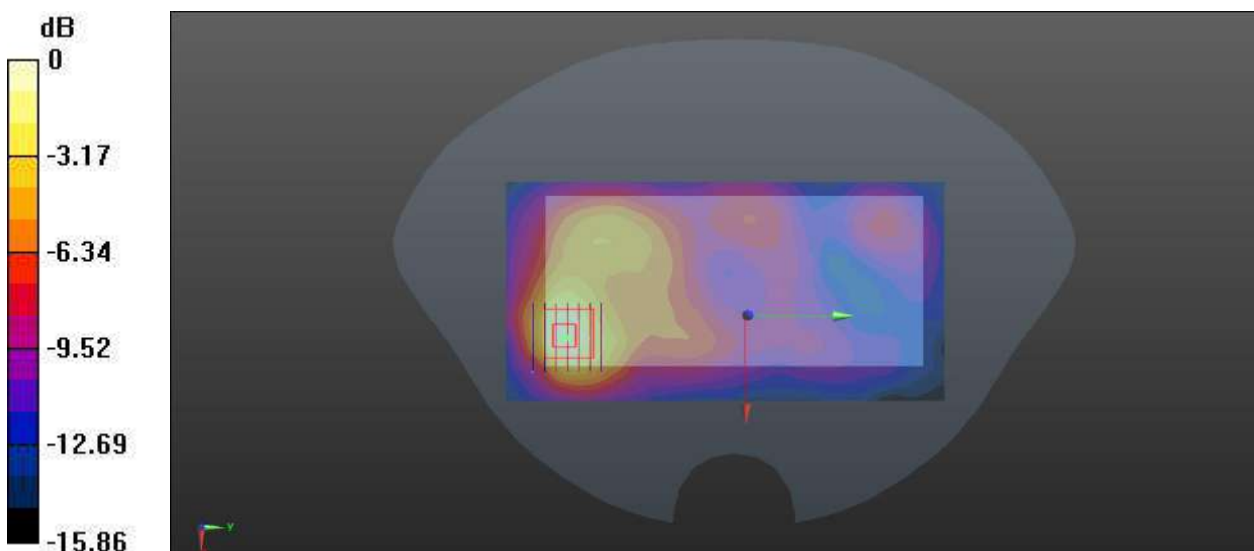
Ch78/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 2.471 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.226 W/kg

SAR(1 g) = 0.115 W/kg; SAR(10 g) = 0.058 W/kg

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



0 dB = 0.128 W/kg

ANNEX D EUT EXTERNAL PHOTOS

Please refer the document “BL-SZ2350513-AW.pdf”.

ANNEX E SAR TEST SETUP PHOTOS

Please refer the document “BL-SZ2350513-AS.pdf”.

ANNEX F CALIBRATION REPORT

Please refer the document “BL-SZ2350513-AC.pdf”.

Statement

1. The laboratory guarantees the scientificity, accuracy and impartiality of the test, and is responsible for all the information in the report, except the information provided by the customer. The customer is responsible for the impact of the information provided on the validity of the results.
2. The report without China inspection body and laboratory Mandatory Approval (CMA) mark has no effect of proving to the society.
3. For the report with CNAS mark or A2LA mark, the items marked with "☆" are not within the accredited scope.
4. This report is invalid if it is altered, without the signature of the testing and approval personnel, or without the "inspection and testing dedicated stamp" or test report stamp.
5. The test data and results are only valid for the tested samples provided by the customer.
6. This report shall not be partially reproduced without the written permission of the laboratory.
7. Any objection shall be raised to the laboratory within 30 days after receiving the report.

--END OF REPORT--