FCC SAR Test Report

Report No.	:	**PSU-NQN2403180115SA02**
Applicant	:	**HMD Global Oy**
Address	:	**Bertel Jungin aukio 9,02600 Espoo, Finland**
Manufacturer	:	**HMD Global Oy**
Address	:	**Bertel Jungin aukio 9,02600 Espoo, Finland**
Product	:	**Smart phone**
FCC ID	:	**2AJOTTA-1600**
Brand	:	**HMD**
Model No.	:	**TA-1600/TA-1688**
Standards	:	**FCC 47 CFR Part 2 (2.1093) / IEEE C95.1:1992 / IEEE 1528:2013** **KDB 865664 D01 v01r04 / KDB 865664 D02 v01r02 / KDB 248227 D01 v02r02** **KDB 447498 D04 v01 / KDB 648474 D04 v01r03 / KDB 941225 D01 v03r01** **KDB 941225 D05 v02r05 / KDB 941225 D06 v02r01**
Sample Received Date	:	**Apr. 10, 2024**
Date of Testing	:	**Apr. 23, 2024 ~ May. 28, 2024**
FCC Designation No.	:	**CN1325** **FCC Site Registration No.** : **434559**

CERTIFICATION: The above equipment has been tested by **Huarui 7layers High Technology (Suzhou) Co., Ltd.**, and found compliance with the requirement of the above standards. The test record, data evaluation & Equipment Under Test (EUT) configurations represented herein are true and accurate accounts of the measurements of the sample's SAR characteristics under the conditions specified in this report. It should not be reproduced except in full, without the written approval of our laboratory. The client should not use it to claim product certification, approval, or endorsement by A2LA or any government agencies.

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Release Control Record

Report No.	Reason for Change	Date Issued
PSU-NQN2403180115SA02	Initial release	Jun. 05, 2024

1. Summary of Maximum SAR Value

Equipment Class	Mode	Highest Reported Head SAR_{1g} (W/kg)	Highest Reported Body-worn SAR_{1g} (1.0 cm Gap) (W/kg)	Highest Reported Hotspot SAR_{1g} (1.0 cm Gap) (W/kg)	Highest Reported Extremity SAR_{10g} (0 cm Gap) (W/kg)
PCE	GSM850	0.18	0.52	0.52	N/A
	GSM1900	1.03	0.45	1.04	N/A
	WCDMA II	0.96	0.60	1.02	1.47
	WCDMA IV	0.98	0.79	1.04	N/A
	WCDMA V	0.18	0.68	0.68	N/A
	LTE 7	0.88	0.51	1.32	2.49
	LTE 12 / 17	0.12	0.33	0.33	N/A
	LTE 13	0.18	0.41	0.41	N/A
	LTE 25 / 2	0.97	0.52	0.89	0.81
	LTE 26 / 5	0.15	0.49	0.49	N/A
	LTE 38	0.23	0.52	0.73	N/A
	LTE 41	0.18	0.44	0.57	N/A
	LTE 66 / 4	1.09	0.56	0.82	N/A
	LTE 71	0.11	0.39	0.39	N/A
	NR Band n5	0.28	0.64	0.64	N/A
	NR Band n7	0.84	0.59	1.20	3.22
	NR Band n25 / 2	1.01	0.54	0.84	0.51
	NR Band n38	1.01	0.51	1.07	2.15
	NR Band n41	0.76	0.66	1.15	N/A
	NR Band n48	0.78	0.72	0.99	2.96
	NR Band n66	1.23	0.71	0.77	N/A
	NR Band n71	0.16	0.50	0.50	N/A
	NR Band n77	1.07	0.77	0.80	2.78
	NR Band n78	1.26	0.75	1.05	N/A
DTS	WLAN2.4G	0.56	0.22	0.22	N/A
NII	WLAN5.2G	0.63	0.12	0.12	N/A
	WLAN5.3G	0.26	0.12	N/A	0.14
	WLAN5.5G	0.60	0.14	N/A	0.32
	WLAN5.8G	0.14	0.05	0.05	N/A
DSS	BT	0.11	0.11	0.11	N/A
DXX	NFC	N/A	N/A	N/A	N/A
Highest Simultaneous Transmission SAR		Head (W/kg)	Body-worn (W/kg)	Hotspot (W/kg)	Extremity (W/kg)
		1.55	1.51	1.51	3.16

Note:

1. The SAR limit **(Head & Body: SAR_{1g} 1.6 W/kg, Extremity: SAR_{10g} 4.0 W/kg)** for general population / uncontrolled exposure is specified in FCC 47 CFR part 2 (2.1093) and ANSI/IEEE C95.1-1992.

Description of Equipment Under Test

EUT Type	Smart phone
FCC ID	2AJOTTA-1600
Brand Name	HMD
Model Name	TA-1600/TA-1688
IMEI Code	Sample1: 355876370027215 / 355876370027223 Sample2: 355876370078234 / 355876370078242
HW Version	V2
SW Version	00WW_0_340
Tx Frequency Bands (Unit: MHz)	GSM850 : 824 ~ 849 GSM1900 : 1850 ~ 1910 WCDMA Band II : 1850 ~ 1910 WCDMA Band IV : 1710 ~ 1755 WCDMA Band V : 824 ~ 849 LTE Band 2 : 1850 ~ 19010 LTE Band 4 : 1710 ~ 1755 LTE Band 5 : 824 ~ 849 LTE Band 7 : 2500 ~ 2570 LTE Band 12 : 699 ~ 716 LTE Band 13 : 777 ~ 787 LTE Band 17 : 704 ~ 716 LTE Band 25 : 1850 ~ 1915 LTE Band 26 : 814 ~ 849 LTE Band 38 : 2570 ~ 2620 LTE Band 41 : 2496 ~ 2690 LTE Band 66 : 1710 ~ 1780 LTE Band 71 : 663 ~ 698 NR Band n2 : 1850 ~ 1910 NR Band n5 : 824 ~ 849 NR Band n7 : 2500 ~ 2570 NR Band n25 : 1850 ~ 1915 NR Band n38 : 2570 ~ 2620 NR Band n41 : 2496 ~ 2690 NR Band n48 : 3550 ~ 3700 NR Band n66 : 1710 ~ 1780 NR Band n71 : 663 ~ 698 NR Band n77 : 3450 ~ 3550, 3700 ~ 3980 NR Band n78 : 3450 ~ 3550 WLAN : 2412 ~ 2462, 5180 ~ 5240, 5260 ~ 5320, 5500 ~ 5700, 5745 ~ 5825 Bluetooth : 2402 ~ 2480 NFC : 13.56
Uplink Modulations	GSM & GPRS & EDGE : GMSK, 8PSK WCDMA : QPSK LTE : QPSK, 16QAM, 64QAM NR : Pi/2 BPSK (DFT-s-OFDM), QPSK (DFT-s-OFDM, CP-OFDM), 16QAM (DFT-s-OFDM, CP-OFDM), 64QAM (DFT-s-OFDM, CP-OFDM), 256QAM DFT-s-OFDM, CP-OFDM) 802.11b : DSSS 802.11a/g/n/ac : OFDM 802.11ax : OFDMA Bluetooth : GFSK, π/4-DQPSK, 8-DPSK, LE NFC : ASK
Subcarrier Spacing	15 kHz（FDD）/ 30 kHz（TDD）
Uplink Transmission Duty Cycle	For 5GNR TDD PC2 Maximum Duty Cycle is 50%, using FTM (Factory Test Mode) with 50% duty cycle is considered during testing. For 5G NR SRS Band test, using FTM (Factory Test Mode) with default 5% duty cycle transmission to perform evaluation. For 5G NR other bands test, using FTM (Factory Test Mode) with default 100% duty cycle transmission to perform evaluation.
LTE Anchor Band for NR Band n2	LTE Band 5/12/13/28/66
LTE Anchor Band for NR Band n5	LTE Band 2/7/66
LTE Anchor Band for NR Band n7	LTE Band 5/12/66
LTE Anchor Band for NR Band n38	LTE Band 5/12

LTE Anchor Band for NR Band n41	LTE Band 2/4/12/66
LTE Anchor Band for NR Band n66	LTE Band 2/5/7/12/13
LTE Anchor Band for NR Band n71	LTE Band 2/66
LTE Anchor Band for NR Band n77	LTE Band 2/5/12/13/66
LTE Anchor Band for NR Band n78	LTE Band 2/4/5/7/12/13/38/41/66
Maximum Tune-up Conducted Power (Unit: dBm)	Please refer to section 4.5.1 of this report.
Antenna Type	IFA Antenna
EUT Stage	Identical Prototype

Note:

1. The above EUT information is declared by manufacturer and for more detailed features description please refers to the manufacturer's specifications or User's Manual.
2. This device supports both LTE B2/4/5/17 and B12/25/26/66. Since the supported frequency span for LTE B2/4/5/17 falls completely within the LTE B12/25/26/66, they have the same target power, and share the same transmission path, therefore SAR was only assessed for B12/25/26/66.
3. This device supports both NR Band n2 and NR Band n25. Since the supported frequency span for NR Band n2 falls completely within the NR Band n25, they have the same target power, and share the same transmission path, therefore SAR was only assessed for NR Band n25.
4. For WWAN Ant-3/6, when the audio is actively routed through the earpiece receiver on head exposure condition, power reduction will be activated to limit the maximum power.
5. For WWAN Ant-0/3/6, when the SAR sensor is detected close to the body state, power reduction will be activated to limit the maximum power. Proximity sensor triggering distances please refer to section 4.1 of this report.
6. For WWAN Ant-0/1/3/6, When the hotspot function is enabled, power reduction will be activated to limit the maximum power.
7. According to the document <Difference of change> provided by the manufacturer, these changes do not affect the RF parameters, so sample 1 is fully tested, and sample 2 verifies the worst case.

SAR test scenarios:

<WWAN Ant0>

Exposure Condition	WWAN Power Stat	Test scenarios	Receiver	SAR sensor	Hotspot	WLAN state
Head / Body	Full Power	N/A	N/A	N/A	N/A	N/A
Head	DSI1	Standalone	On	N/A	N/A	Off
Hotspot	DSI2	Combined	Off	Off	On	On
Body	DSI4	Standalone	Off	On	Off	Off
Head	DSI7	Combined	On	N/A	N/A	On
Body	DSI8	Combined	Off	On	Off	On

<WWAN Ant1>

Exposure Condition	WWAN Power Stat	Test scenarios	Receiver	SAR sensor	Hotspot	WLAN state
Head / Body	Full Power	N/A	N/A	N/A	N/A	N/A
Head	DSI1	Standalone	On	N/A	N/A	Off
Hotspot	DSI2	Combined	Off	Off	On	On
Body	DSI5	Standalone	Off	On	Off	Off
Head	DSI7	Combined	On	N/A	N/A	On
Body	DSI8	Combined	Off	On	Off	On

<WWAN Ant3/6>

Exposure Condition	WWAN Power Stat	Test scenarios	Receiver	SAR sensor	Hotspot	WLAN state
Head / Body	Full Power	N/A	N/A	N/A	N/A	N/A
Head	DSI1	Standalone	On	N/A	N/A	Off
Hotspot	DSI2	Combined	Off	Off	On	On
Body	DSI6	Standalone	Off	On	Off	Off
Head	DSI7	Combined	On	N/A	N/A	On
Body	DSI8	Combined	Off	On	Off	On

2. SAR Measurement System

3.1 Definition of Specific Absorption Rate (SAR)

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:

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

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

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

Where: σ is the conductivity of the tissue, ρ is the mass density of the tissue and E is the RMS electrical field strength.

3.2 SPEAG DASY System

DASY system consists of high precision robot, probe alignment sensor, phantom, robot controller, controlled measurement server and near-field probe. The robot includes six axes that can move to the precision position of the DASY5 software defined. The DASY software can define the area that is detected by the probe. The robot is connected to controlled box. Controlled measurement server is connected to the controlled robot box. The DAE includes amplifier, signal multiplexing, AD converter, offset measurement and surface detection. It is connected to the Electro-optical coupler (ECO). The ECO performs the conversion form the optical into digital electric signal of the DAE and transfers data to the PC.

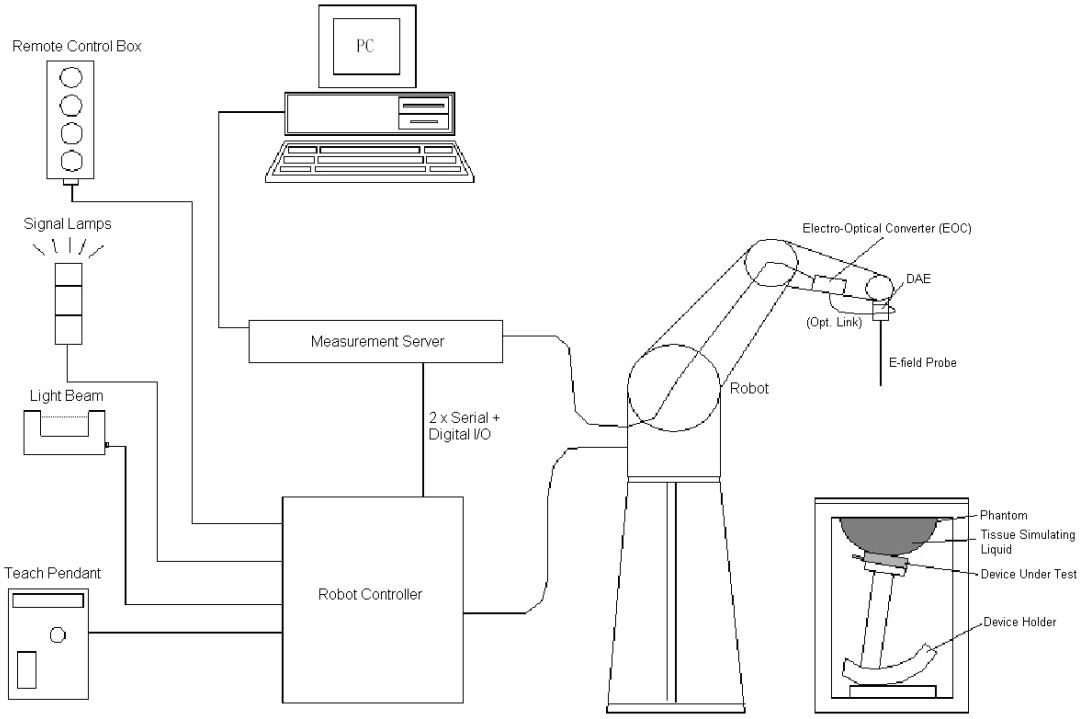


Fig-3.1 DASY System Setup

3.2.1 Robot

The DASY system uses the high precision robots from Stäubli SA (France). For the 6-axis controller system, the robot controller version (DASY6 : CS8c) from Stäubli is used. The Stäubli robot series have many features that are important for our application:

- High precision (repeatability ±0.035 mm)
- High reliability (industrial design)
- Jerk-free straight movements
- Low ELF interference (the closed metallic construction shields against motor control fields)

Fig-3.2 DASY6

3.2.2 Probes

The SAR measurement is conducted with the dosimetric probe. The probe is specially designed and calibrated for use in liquid with high permittivity. The dosimetric probe has special calibration in liquid at different frequency.

Model	EX3DV4	
Construction	Symmetrical design with triangular core. Built-in shielding against static charges. PEEK enclosure material (resistant to organic solvents, e.g., DGBE).	
Frequency	10 MHz to 6 GHz Linearity: ± 0.2 dB	
Directivity	± 0.3 dB in HSL (rotation around probe axis) ± 0.5 dB in tissue material (rotation normal to probe axis)	
Dynamic Range	10 µW/g to 100 mW/g Linearity: ± 0.2 dB (noise: typically < 1 µW/g)	
Dimensions	Overall length: 337 mm (Tip: 20 mm) Tip diameter: 2.5 mm (Body: 12 mm) Typical distance from probe tip to dipole centers: 1 mm	

Model	ES3DV3	
Construction	Symmetrical design with triangular core. Interleaved sensors. Built-in shielding against static charges. PEEK enclosure material (resistant to organic solvents, e.g., DGBE).	
Frequency	10 MHz to 4 GHz Linearity: ± 0.2 dB	
Directivity	± 0.2 dB in HSL (rotation around probe axis) ± 0.3 dB in tissue material (rotation normal to probe axis)	
Dynamic Range	5 µW/g to 100 mW/g Linearity: ± 0.2 dB	
Dimensions	Overall length: 337 mm (Tip: 20 mm) Tip diameter: 3.9 mm (Body: 12 mm) Distance from probe tip to dipole centers: 2.0 mm	

3.2.3 Data Acquisition Electronics (DAE)

Model	DAE3, DAE4	
Construction	Signal amplifier, multiplexer, A/D converter and control logic. Serial optical link for communication with DASY embedded system (fully remote controlled). Two step probe touch detector for mechanical surface detection and emergency robot stop.	
Measurement Range	-100 to +300 mV (16 bit resolution and two range settings: 4mV, 400mV)	
Input Offset Voltage	< 5µV (with auto zero)	
Input Bias Current	< 50 fA	
Dimensions	60 x 60 x 68 mm	

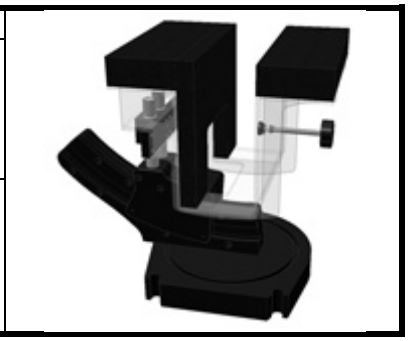
3.2.4 Phantoms

Model	Twin SAM	
Construction	The shell corresponds to the specifications of the Specific Anthropomorphic Mannequin (SAM) phantom defined in IEEE 1528 and IEC 62209-1. It enables the dosimetric evaluation of left and right hand phone usage as well as body mounted usage at the flat phantom region. A cover prevents evaporation of the liquid. Reference markings on the phantom allow the complete setup of all predefined phantom positions and measurement grids by teaching three points with the robot.	
Material	Vinylester, glass fiber reinforced (VE-GF)	
Shell Thickness	2 ± 0.2 mm (6 ± 0.2 mm at ear point)	
Dimensions	Length: 1000 mm Width: 500 mm Height: adjustable feet	
Filling Volume	approx. 25 liters	

Model	ELI	
Construction	Phantom for compliance testing of handheld and body-mounted wireless devices in the frequency range of 30 MHz to 6 GHz. ELI is fully compatible with the IEC 62209-2 standard and all known tissue simulating liquids. ELI has been optimized regarding its performance and can be integrated into our standard phantom tables. A cover prevents evaporation of the liquid. Reference markings on the phantom allow installation of the complete setup, including all predefined phantom positions and measurement grids, by teaching three points. The phantom is compatible with all SPEAG dosimetric probes and dipoles.	
Material	Vinylester, glass fiber reinforced (VE-GF)	
Shell Thickness	2.0 ± 0.2 mm (bottom plate)	
Dimensions	Major axis: 600 mm Minor axis: 400 mm	
Filling Volume	approx. 30 liters	

3.2.5 Device Holder

Model	Mounting Device	
Construction	In combination with the Twin SAM Phantom or ELI4, the Mounting Device enables the rotation of the mounted transmitter device in spherical coordinates. Rotation point is the ear opening point. Transmitter devices can be easily and accurately positioned according to IEC, IEEE, FCC or other specifications. The device holder can be locked for positioning at different phantom sections (left head, right head, flat).	
Material	POM	

Model	Laptop Extensions Kit	
Construction	Simple but effective and easy-to-use extension for Mounting Device that facilitates the testing of larger devices according to IEC 62209-2 (e.g., laptops, cameras, etc.). It is lightweight and fits easily on the upper part of the Mounting Device in place of the phone positioner.	
Material	POM, Acrylic glass, Foam	

3.2.6 System Validation Dipoles

Model	D-Serial	
Construction	Symmetrical dipole with l/4 balun. Enables measurement of feed point impedance with NWA. Matched for use near flat phantoms filled with tissue simulating solutions.	
Frequency	750 MHz to 5800 MHz	
Return Loss	> 20 dB	
Power Capability	> 100 W (f < 1GHz), > 40 W (f > 1GHz)	

3.2.7 Tissue Simulating Liquids

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% are listed in Table-3.1.

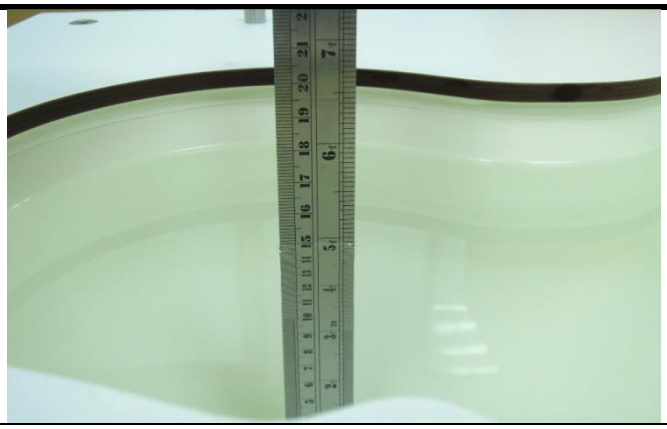
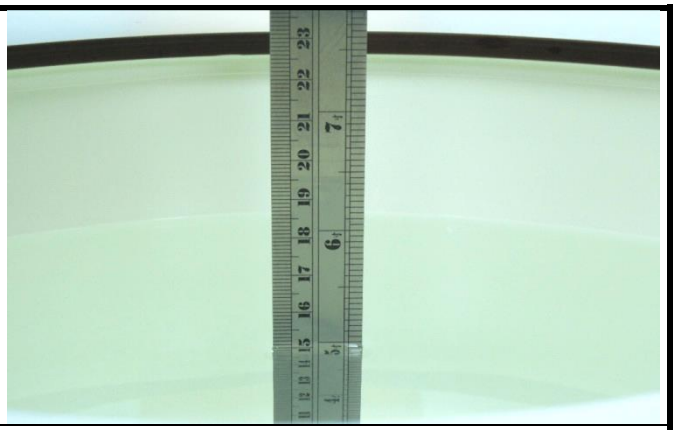
	

Photo of Liquid Height for Head Position	**Photo of Liquid Height for Body Position**

The dielectric properties of the head tissue simulating liquids are defined in IEEE 1528, and KDB 865664 D01 Appendix A. For the body tissue simulating liquids, the dielectric properties are defined in KDB 865664 D01 Appendix A. The dielectric properties of the tissue simulating liquids were verified prior to the SAR evaluation using a dielectric assessment kit and a network analyzer.

Table-3.1 Targets of Tissue Simulating Liquid

Frequency (MHz)	Target Permittivity	Range of ±5%	Target Conductivity	Range of ±5%
For Head				
750	41.9	39.8 ~ 44.0	0.89	0.85 ~ 0.93
835	41.5	39.4 ~ 43.6	0.90	0.86 ~ 0.95
900	41.5	39.4 ~ 43.6	0.97	0.92 ~ 1.02
1450	40.5	38.5 ~ 42.5	1.20	1.14 ~ 1.26
1640	40.3	38.3 ~ 42.3	1.29	1.23 ~ 1.35
1750	40.1	38.1 ~ 42.1	1.37	1.30 ~ 1.44
1800	40.0	38.0 ~ 42.0	1.40	1.33 ~ 1.47
1900	40.0	38.0 ~ 42.0	1.40	1.33 ~ 1.47
2000	40.0	38.0 ~ 42.0	1.40	1.33 ~ 1.47
2300	39.5	37.5 ~ 41.5	1.67	1.59 ~ 1.75
2450	39.2	37.2 ~ 41.2	1.80	1.71 ~ 1.89
2600	39.0	37.1 ~ 41.0	1.96	1.86 ~ 2.06
3500	37.9	36.0 ~ 39.8	2.91	2.76 ~ 3.06
5200	36.0	34.2 ~ 37.8	4.66	4.43 ~ 4.89
5300	35.9	34.1 ~ 37.7	4.76	4.52 ~ 5.00
5500	35.6	33.8 ~ 37.4	4.96	4.71 ~ 5.21
5600	35.5	33.7 ~ 37.3	5.07	4.82 ~ 5.32
5800	35.3	33.5 ~ 37.1	5.27	5.01 ~ 5.53

The following table gives the recipes for tissue simulating liquids.

Table-3.2 Recipes of Tissue Simulating Liquid

Tissue Type	Bactericide	DGBE	HEC	NaCl	Sucrose	Triton X-100	Water	Diethylene Glycol Mono-hexylether
H750	0.2	-	0.2	1.5	56.0	-	42.1	-
H835	0.2	-	0.2	1.5	57.0	-	41.1	-
H900	0.2	-	0.2	1.4	58.0	-	40.2	-
H1450	-	43.3	-	0.6	-	-	56.1	-
H1640	-	45.8	-	0.5	-	-	53.7	-
H1750	-	47.0	-	0.4	-	-	52.6	-
H1800	-	44.5	-	0.3	-	-	55.2	-
H1900	-	44.5	-	0.2	-	-	55.3	-
H2000	-	44.5	-	0.1	-	-	55.4	-
H2300	-	44.9	-	0.1	-	-	55.0	-
H2450	-	45.0	-	0.1	-	-	54.9	-
H2600	-	45.1	-	0.1	-	-	54.8	-
H3500	-	28.0	-	0.2	-	20.0	71.8	-
H5G	-	-	-	-	-	17.2	65.5	17.3

3.3 SAR System Verification

The system check verifies that the system operates within its specifications. It is performed daily or before every SAR measurement. The system check uses normal SAR measurements in the flat section of the phantom with a matched dipole at a specified distance. The system verification setup is shown as below.

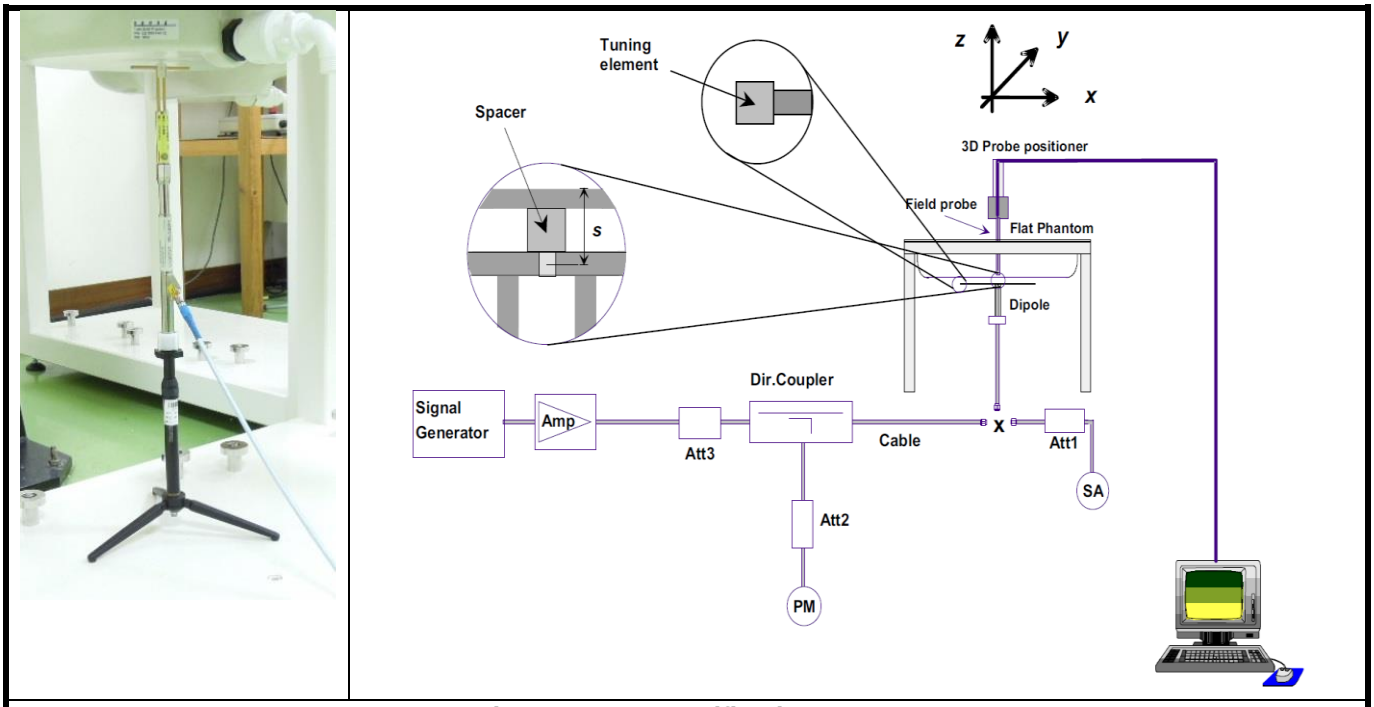


Fig-3.4 System Verification Setup

The validation dipole is placed beneath the flat phantom with the specific spacer in place. The distance spacer is touch the phantom surface with a light pressure at the reference marking and be oriented parallel to the long side of the phantom. The spectrum analyzer measures the forward power at the location of the system check dipole connector. The signal generator is adjusted for the desired forward power (250 mW is used for 700 MHz to 3 GHz, 100 mW is used for 3.5 GHz to 6 GHz) at the dipole connector and the power meter is read at that level. After connecting the cable to the dipole, the signal generator is readjusted for the same reading at power meter.

After system check testing, the SAR result will be normalized to 1W forward input power and compared with the reference SAR value derived from validation dipole certificate report. The deviation of system check should be within 10 %.

3.4 SAR Measurement Procedure

According to the SAR test standard, the recommended procedure for assessing the peak spatial-average SAR value consists of the following steps:

(a) Power reference measurement
(b) Area scan
(c) Zoom scan
(d) Power drift measurement

The SAR measurement procedures for each of test conditions are as follows:

(a) Make EUT to transmit maximum output power
(b) Measure conducted output power through RF cable
(c) Place the EUT in the specific position of phantom
(d) Perform SAR testing steps on the DASY system
(e) Record the SAR value

3.4.1 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. According to KDB 865664 D01, the resolution for Area and Zoom scan is specified in the table below.

Items	<= 2 GHz	2-3 GHz	3-4 GHz	4-5 GHz	5-6 GHz
Area Scan (Δx, Δy)	<= 15 mm	<= 12 mm	<= 12 mm	<= 10 mm	<= 10 mm
Zoom Scan (Δx, Δy)	<= 8 mm	<= 5 mm	<= 5 mm	<= 4 mm	<= 4 mm
Zoom Scan (Δz)	<= 5 mm	<= 5 mm	<= 4 mm	<= 3 mm	<= 2 mm
Zoom Scan Volume	>= 30 mm	>= 30 mm	>= 28 mm	>= 25 mm	>= 22 mm

Note:

When zoom scan is required and report SAR is <= 1.4 W/kg, the zoom scan resolution of Δx / Δy (2-3GHz: <= 8 mm, 3-4GHz: <= 7 mm, 4-6GHz: <= 5 mm) may be applied.

3.4.2 Volume Scan Procedure

The volume scan is used for assess overlapping SAR distributions for antennas transmitting in different frequency bands. It is equivalent to an oversized zoom scan used in standalone measurements. The measurement volume will be used to enclose all the simultaneous transmitting antennas. For antennas transmitting simultaneously in different frequency bands, the volume scan is measured separately in each frequency band. In order to sum correctly to compute the 1g aggregate SAR, the EUT remain in the same test position for all measurements and all volume scan use the same spatial resolution and grid spacing. When all volume scan were completed, the software, SEMCAD postprocessor can combine and subsequently superpose these measurement data to calculating the multiband SAR.

3.4.3 Power Drift Monitoring

All SAR testing is under the EUT install full charged battery and transmit maximum output power. In DASY measurement software, the power reference measurement and power drift measurement procedures are used for monitoring the power drift of EUT during SAR test. Both these procedures measure the field at a specified reference position before and after the SAR testing. The software will calculate the field difference in dB. If the power drift more than 5%, the SAR will be retested.

3.4.4 Spatial Peak SAR Evaluation

The procedure for spatial peak SAR evaluation has been implemented according to the test standard. It can be conducted for 1g and 10g, as well as for user-specific masses. The DASY software includes all numerical procedures necessary to evaluate the spatial peak SAR value.

The base for the evaluation is a "cube" measurement. The measured volume must include the 1g and 10g cubes with the highest averaged SAR values. For that purpose, the center of the measured volume is aligned to the interpolated peak SAR value of a previously performed area scan.

The entire evaluation of the spatial peak values is performed within the post-processing engine (SEMCAD). The system always gives the maximum values for the 1g and 10g cubes. The algorithm to find the cube with highest averaged SAR is divided into the following stages:

(a) Extraction of the measured data (grid and values) from the Zoom Scan
(b) Calculation of the SAR value at every measurement point based on all stored data (A/D values and measurement parameters)
(c) Generation of a high-resolution mesh within the measured volume
(d) Interpolation of all measured values form the measurement grid to the high-resolution grid
(e) Extrapolation of the entire 3-D field distribution to the phantom surface over the distance from sensor to surface
(f) Calculation of the averaged SAR within masses of 1g and 10g

3.4.5 SAR Averaged Methods

In DASY, the interpolation and extrapolation are both based on the modified Quadratic Shepard’s method. The interpolation scheme combines a least-square fitted function method and a weighted average method which are the two basic types of computational interpolation and approximation.

Extrapolation routines are used to obtain SAR values between the lowest measurement points and the inner phantom surface. The extrapolation distance is determined by the surface detection distance and the probe sensor offset. The uncertainty increases with the extrapolation distance. To keep the uncertainty within 1% for the 1 g and 10 g cubes, the extrapolation distance should not be larger than 5 mm.

3. SAR Measurement Evaluation

4.1 EUT Configuration and Setting

<Connections between EUT and System Simulator>

For WWAN SAR testing, the EUT was linked and controlled by base station emulator (Anritsu MT8821C is used for GSM/WCDMA/CDMA/LTE). Communication between the EUT and the emulator was established by air link. The distance between the EUT and the communicating antenna of the emulator is larger than 50 cm and the output power radiated from the emulator antenna is at least 30 dB smaller than the output power of EUT. The EUT was set from the emulator to radiate maximum output power during SAR testing.

< Proximity Sensor Triggering Distances >

The proximity sensor triggering distance was determined per KDB 616217 section 6.2, and EUT moving further away from the flat phantom and EUT moving toward the flat phantom were both assessed.

In the preliminary triggering distance testing, the tissue-equivalent medium for different frequency bands were used for verification; no other frequency bands tissue-equivalent medium was found to result in shortest triggering than that for 5700MHz, and the tissue-equivalent medium for 5700MHz was used for formal proximity sensor triggering testing.

Summary for power verification per distance was tabulated in the below table.

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Output Power Verification in dBm for EUT Front Face (moving toward phantom)											
Distance (mm)	15	16	17	18	19	20	21	22	23	24	25
LTE 7	21.82	21.82	21.82	21.82	21.82	21.82	23.59	23.59	23.59	23.59	23.59
LTE 7C	21.73	21.73	21.73	21.73	21.73	21.73	23.74	23.74	23.74	23.74	23.74
NR n7	21.46	21.46	21.46	21.46	21.46	21.46	23.51	23.51	23.51	23.51	23.51
NR n38	21.93	21.93	21.93	21.93	21.93	21.93	23.39	23.39	23.39	23.39	23.39
n41	20.44	20.44	20.44	20.44	20.44	20.44	22.33	22.33	22.33	22.33	22.33
n41 PC2	23.5	23.5	23.5	23.5	23.5	23.5	25.44	25.44	25.44	25.44	25.44

Output Power Verification in dBm for EUT Front Face (moving away phantom)											
Distance (mm)	15	16	17	18	19	20	21	22	23	24	25
LTE 7	21.82	21.82	21.82	21.82	21.82	21.82	23.59	23.59	23.59	23.59	23.59
LTE 7C	21.73	21.73	21.73	21.73	21.73	21.73	23.74	23.74	23.74	23.74	23.74
NR n7	21.46	21.46	21.46	21.46	21.46	21.46	23.51	23.51	23.51	23.51	23.51
NR n38	21.93	21.93	21.93	21.93	21.93	21.93	23.39	23.39	23.39	23.39	23.39
n41	20.44	20.44	20.44	20.44	20.44	20.44	22.33	22.33	22.33	22.33	22.33
n41 PC2	23.5	23.5	23.5	23.5	23.5	23.5	25.44	25.44	25.44	25.44	25.44

Output Power Verification in dBm for EUT Rear Face (moving toward phantom)											
Distance (mm)	18	19	20	21	22	23	24	25	26	27	28
LTE 7	21.82	21.82	21.82	21.82	21.82	21.82	23.59	23.59	23.59	23.59	23.59
LTE 7C	21.73	21.73	21.73	21.73	21.73	21.73	23.74	23.74	23.74	23.74	23.74
NR n7	21.46	21.46	21.46	21.46	21.46	21.46	23.51	23.51	23.51	23.51	23.51
NR n38	21.93	21.93	21.93	21.93	21.93	21.93	23.39	23.39	23.39	23.39	23.39
n41	20.44	20.44	20.44	20.44	20.44	20.44	22.33	22.33	22.33	22.33	22.33
n41 PC2	23.5	23.5	23.5	23.5	23.5	23.5	25.44	25.44	25.44	25.44	25.44

Output Power Verification in dBm for EUT Rear Face (moving away phantom)											
Distance (mm)	18	19	20	21	22	23	24	25	26	27	28
LTE 7	21.82	21.82	21.82	21.82	21.82	21.82	23.59	23.59	23.59	23.59	23.59
LTE 7C	21.73	21.73	21.73	21.73	21.73	21.73	23.74	23.74	23.74	23.74	23.74
NR n7	21.46	21.46	21.46	21.46	21.46	21.46	23.51	23.51	23.51	23.51	23.51
NR n38	21.93	21.93	21.93	21.93	21.93	21.93	23.39	23.39	23.39	23.39	23.39
n41	20.44	20.44	20.44	20.44	20.44	20.44	22.33	22.33	22.33	22.33	22.33
n41 PC2	23.5	23.5	23.5	23.5	23.5	23.5	25.44	25.44	25.44	25.44	25.44

Output Power Verification in dBm for EUT Left Side (moving toward phantom)											
Distance (mm)	7	8	9	10	11	12	13	14	15	16	17
LTE 7	21.82	21.82	21.82	21.82	21.82	21.82	23.59	23.59	23.59	23.59	23.59
LTE 7C	21.73	21.73	21.73	21.73	21.73	21.73	23.74	23.74	23.74	23.74	23.74
NR n7	21.46	21.46	21.46	21.46	21.46	21.46	23.51	23.51	23.51	23.51	23.51
NR n38	21.93	21.93	21.93	21.93	21.93	21.93	23.39	23.39	23.39	23.39	23.39
n41	20.44	20.44	20.44	20.44	20.44	20.44	22.33	22.33	22.33	22.33	22.33
n41 PC2	23.5	23.5	23.5	23.5	23.5	23.5	25.44	25.44	25.44	25.44	25.44

Output Power Verification in dBm for EUT Left Side (moving away phantom)											
Distance (mm)	7	8	9	10	11	12	13	14	15	16	17
LTE 7	21.82	21.82	21.82	21.82	21.82	21.82	23.59	23.59	23.59	23.59	23.59
LTE 7C	21.73	21.73	21.73	21.73	21.73	21.73	23.74	23.74	23.74	23.74	23.74
NR n7	21.46	21.46	21.46	21.46	21.46	21.46	23.51	23.51	23.51	23.51	23.51
NR n38	21.93	21.93	21.93	21.93	21.93	21.93	23.39	23.39	23.39	23.39	23.39
n41	20.44	20.44	20.44	20.44	20.44	20.44	22.33	22.33	22.33	22.33	22.33
n41 PC2	23.5	23.5	23.5	23.5	23.5	23.5	25.44	25.44	25.44	25.44	25.44

Output Power Verification in dBm for EUT Bottom Side (moving toward phantom)											
Distance (mm)	25	26	27	28	29	30	31	32	33	34	35
LTE 7	21.82	21.82	21.82	21.82	21.82	21.82	23.59	23.59	23.59	23.59	23.59
LTE 7C	21.73	21.73	21.73	21.73	21.73	21.73	23.74	23.74	23.74	23.74	23.74
NR n7	21.46	21.46	21.46	21.46	21.46	21.46	23.51	23.51	23.51	23.51	23.51
NR n38	21.93	21.93	21.93	21.93	21.93	21.93	23.39	23.39	23.39	23.39	23.39
n41	20.44	20.44	20.44	20.44	20.44	20.44	22.33	22.33	22.33	22.33	22.33
n41 PC2	23.5	23.5	23.5	23.5	23.5	23.5	25.44	25.44	25.44	25.44	25.44

Output Power Verification in dBm for EUT Bottom Side (moving away phantom)											
Distance (mm)	25	26	27	28	29	30	31	32	33	34	35
LTE 7	21.82	21.82	21.82	21.82	21.82	21.82	23.59	23.59	23.59	23.59	23.59
LTE 7C	21.73	21.73	21.73	21.73	21.73	21.73	23.74	23.74	23.74	23.74	23.74
NR n7	21.46	21.46	21.46	21.46	21.46	21.46	23.51	23.51	23.51	23.51	23.51
NR n38	21.93	21.93	21.93	21.93	21.93	21.93	23.39	23.39	23.39	23.39	23.39
n41	20.44	20.44	20.44	20.44	20.44	20.44	22.33	22.33	22.33	22.33	22.33
n41 PC2	23.5	23.5	23.5	23.5	23.5	23.5	25.44	25.44	25.44	25.44	25.44

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Output Power Verification in dBm for EUT Front Face (moving toward phantom)											
Distance (mm)	16	17	18	19	20	21	22	23	24	25	26
WCDMA II	20.17	20.17	20.17	20.17	20.17	20.17	23.72	23.72	23.72	23.72	23.72
LTE 2	19.62	19.62	19.62	19.62	19.62	19.62	23.28	23.28	23.28	23.28	23.28
LTE 25	19.91	19.91	19.91	19.91	19.91	19.91	23.45	23.45	23.45	23.45	23.45
n2	20.41	20.41	20.41	20.41	20.41	20.41	23.56	23.56	23.56	23.56	23.56
n25	20.47	20.47	20.47	20.47	20.47	20.47	23.65	23.65	23.65	23.65	23.65

Output Power Verification in dBm for EUT Front Face (moving away phantom)											
Distance (mm)	16	17	18	19	20	21	22	23	24	25	26
WCDMA II	20.17	20.17	20.17	20.17	20.17	20.17	23.72	23.72	23.72	23.72	23.72
LTE 2	19.62	19.62	19.62	19.62	19.62	19.62	23.28	23.28	23.28	23.28	23.28
LTE 25	19.91	19.91	19.91	19.91	19.91	19.91	23.45	23.45	23.45	23.45	23.45
n2	20.41	20.41	20.41	20.41	20.41	20.41	23.56	23.56	23.56	23.56	23.56
n25	20.47	20.47	20.47	20.47	20.47	20.47	23.65	23.65	23.65	23.65	23.65

Output Power Verification in dBm for EUT Rear Face (moving toward phantom)											
Distance (mm)	20	21	22	23	24	25	26	27	28	29	30
WCDMA II	20.17	20.17	20.17	20.17	20.17	20.17	23.72	23.72	23.72	23.72	23.72
LTE 2	19.62	19.62	19.62	19.62	19.62	19.62	23.28	23.28	23.28	23.28	23.28
LTE 25	19.91	19.91	19.91	19.91	19.91	19.91	23.45	23.45	23.45	23.45	23.45
n2	20.41	20.41	20.41	20.41	20.41	20.41	23.56	23.56	23.56	23.56	23.56
n25	20.47	20.47	20.47	20.47	20.47	20.47	23.65	23.65	23.65	23.65	23.65

Output Power Verification in dBm for EUT Rear Face (moving away phantom)											
Distance (mm)	20	21	22	23	24	25	26	27	28	29	30
WCDMA II	20.17	20.17	20.17	20.17	20.17	20.17	23.72	23.72	23.72	23.72	23.72
LTE 2	19.62	19.62	19.62	19.62	19.62	19.62	23.28	23.28	23.28	23.28	23.28
LTE 25	19.91	19.91	19.91	19.91	19.91	19.91	23.45	23.45	23.45	23.45	23.45
n2	20.41	20.41	20.41	20.41	20.41	20.41	23.56	23.56	23.56	23.56	23.56
n25	20.47	20.47	20.47	20.47	20.47	20.47	23.65	23.65	23.65	23.65	23.65

Output Power Verification in dBm for EUT Left Side (moving toward phantom)											
Distance (mm)	21	22	23	24	25	26	27	28	29	30	31
WCDMA II	20.17	20.17	20.17	20.17	20.17	20.17	23.72	23.72	23.72	23.72	23.72
LTE 2	19.62	19.62	19.62	19.62	19.62	19.62	23.28	23.28	23.28	23.28	23.28
LTE 25	19.91	19.91	19.91	19.91	19.91	19.91	23.45	23.45	23.45	23.45	23.45
n2	20.41	20.41	20.41	20.41	20.41	20.41	23.56	23.56	23.56	23.56	23.56
n25	20.47	20.47	20.47	20.47	20.47	20.47	23.65	23.65	23.65	23.65	23.65

Output Power Verification in dBm for EUT Left Side (moving away phantom)											
Distance (mm)	21	22	23	24	25	26	27	28	29	30	31
WCDMA II	20.17	20.17	20.17	20.17	20.17	20.17	23.72	23.72	23.72	23.72	23.72
LTE 2	19.62	19.62	19.62	19.62	19.62	19.62	23.28	23.28	23.28	23.28	23.28
LTE 25	19.91	19.91	19.91	19.91	19.91	19.91	23.45	23.45	23.45	23.45	23.45
n2	20.41	20.41	20.41	20.41	20.41	20.41	23.56	23.56	23.56	23.56	23.56
n25	20.47	20.47	20.47	20.47	20.47	20.47	23.65	23.65	23.65	23.65	23.65

Output Power Verification in dBm for EUT Top Side (moving toward phantom)											
Distance (mm)	16	17	18	19	20	21	22	23	24	25	26
WCDMA II	20.17	20.17	20.17	20.17	20.17	20.17	23.72	23.72	23.72	23.72	23.72
LTE 2	19.62	19.62	19.62	19.62	19.62	19.62	23.28	23.28	23.28	23.28	23.28
LTE 25	19.91	19.91	19.91	19.91	19.91	19.91	23.45	23.45	23.45	23.45	23.45
n2	20.41	20.41	20.41	20.41	20.41	20.41	23.56	23.56	23.56	23.56	23.56
n25	20.47	20.47	20.47	20.47	20.47	20.47	23.65	23.65	23.65	23.65	23.65

Output Power Verification in dBm for EUT Top Side (moving away phantom)											
Distance (mm)	16	17	18	19	20	21	22	23	24	25	26
WCDMA II	20.17	20.17	20.17	20.17	20.17	20.17	23.72	23.72	23.72	23.72	23.72
LTE 2	19.62	19.62	19.62	19.62	19.62	19.62	23.28	23.28	23.28	23.28	23.28
LTE 25	19.91	19.91	19.91	19.91	19.91	19.91	23.45	23.45	23.45	23.45	23.45
n2	20.41	20.41	20.41	20.41	20.41	20.41	23.56	23.56	23.56	23.56	23.56
n25	20.47	20.47	20.47	20.47	20.47	20.47	23.65	23.65	23.65	23.65	23.65

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Output Power Verification in dBm for EUT Front Face (moving toward phantom)											
Distance (mm)	16	17	18	19	20	21	22	23	24	25	26
WCDMA II	20.17	20.17	20.17	20.17	20.17	20.17	23.72	23.72	23.72	23.72	23.72
LTE 7	18.45	18.45	18.45	18.45	18.45	18.45	23.17	23.17	23.17	23.17	23.17
LTE 2	19.62	19.62	19.62	19.62	19.62	19.62	23.28	23.28	23.28	23.28	23.28
LTE 25	19.91	19.91	19.91	19.91	19.91	19.91	23.45	23.45	23.45	23.45	23.45
n7	19.38	19.38	19.38	19.38	19.38	19.38	23.34	23.34	23.34	23.34	23.34
n2	20.41	20.41	20.41	20.41	20.41	20.41	23.56	23.56	23.56	23.56	23.56
n25	20.47	20.47	20.47	20.47	20.47	20.47	23.65	23.65	23.65	23.65	23.65
n38	17.2	17.2	17.2	17.2	17.2	17.2	23.5	23.5	23.5	23.5	23.5

Output Power Verification in dBm for EUT Front Face (moving away phantom)											
Distance (mm)	16	17	18	19	20	21	22	23	24	25	26
WCDMA II	20.17	20.17	20.17	20.17	20.17	20.17	23.72	23.72	23.72	23.72	23.72
LTE 7	18.45	18.45	18.45	18.45	18.45	18.45	23.17	23.17	23.17	23.17	23.17
LTE 2	19.62	19.62	19.62	19.62	19.62	19.62	23.28	23.28	23.28	23.28	23.28
LTE 25	19.91	19.91	19.91	19.91	19.91	19.91	23.45	23.45	23.45	23.45	23.45
n7	19.38	19.38	19.38	19.38	19.38	19.38	23.34	23.34	23.34	23.34	23.34
n2	20.41	20.41	20.41	20.41	20.41	20.41	23.56	23.56	23.56	23.56	23.56
n25	20.47	20.47	20.47	20.47	20.47	20.47	23.65	23.65	23.65	23.65	23.65
n38	17.2	17.2	17.2	17.2	17.2	17.2	23.5	23.5	23.5	23.5	23.5

Output Power Verification in dBm for EUT Rear Face (moving toward phantom)											
Distance (mm)	20	21	22	23	24	25	26	27	28	29	30
WCDMA II	20.17	20.17	20.17	20.17	20.17	20.17	23.72	23.72	23.72	23.72	23.72
LTE 7	18.45	18.45	18.45	18.45	18.45	18.45	23.17	23.17	23.17	23.17	23.17
LTE 2	19.62	19.62	19.62	19.62	19.62	19.62	23.28	23.28	23.28	23.28	23.28
LTE 25	19.91	19.91	19.91	19.91	19.91	19.91	23.45	23.45	23.45	23.45	23.45
n7	19.38	19.38	19.38	19.38	19.38	19.38	23.34	23.34	23.34	23.34	23.34
n2	20.41	20.41	20.41	20.41	20.41	20.41	23.56	23.56	23.56	23.56	23.56
n25	20.47	20.47	20.47	20.47	20.47	20.47	23.65	23.65	23.65	23.65	23.65
n38	17.2	17.2	17.2	17.2	17.2	17.2	23.5	23.5	23.5	23.5	23.5

Output Power Verification in dBm for EUT Rear Face (moving away phantom)											
Distance (mm)	20	21	22	23	24	25	26	27	28	29	30
WCDMA II	20.17	20.17	20.17	20.17	20.17	20.17	23.72	23.72	23.72	23.72	23.72
LTE 7	18.45	18.45	18.45	18.45	18.45	18.45	23.17	23.17	23.17	23.17	23.17
LTE 2	19.62	19.62	19.62	19.62	19.62	19.62	23.28	23.28	23.28	23.28	23.28
LTE 25	19.91	19.91	19.91	19.91	19.91	19.91	23.45	23.45	23.45	23.45	23.45
n7	19.38	19.38	19.38	19.38	19.38	19.38	23.34	23.34	23.34	23.34	23.34
n2	20.41	20.41	20.41	20.41	20.41	20.41	23.56	23.56	23.56	23.56	23.56
n25	20.47	20.47	20.47	20.47	20.47	20.47	23.65	23.65	23.65	23.65	23.65
n38	17.2	17.2	17.2	17.2	17.2	17.2	23.5	23.5	23.5	23.5	23.5

Output Power Verification in dBm for EUT Left Side (moving toward phantom)											
Distance (mm)	21	22	23	24	25	26	27	28	29	30	31
WCDMA II	20.17	20.17	20.17	20.17	20.17	20.17	23.72	23.72	23.72	23.72	23.72
LTE 7	18.45	18.45	18.45	18.45	18.45	18.45	23.17	23.17	23.17	23.17	23.17
LTE 2	19.62	19.62	19.62	19.62	19.62	19.62	23.28	23.28	23.28	23.28	23.28
LTE 25	19.91	19.91	19.91	19.91	19.91	19.91	23.45	23.45	23.45	23.45	23.45
n7	19.38	19.38	19.38	19.38	19.38	19.38	23.34	23.34	23.34	23.34	23.34
n2	20.41	20.41	20.41	20.41	20.41	20.41	23.56	23.56	23.56	23.56	23.56
n25	20.47	20.47	20.47	20.47	20.47	20.47	23.65	23.65	23.65	23.65	23.65
n38	17.2	17.2	17.2	17.2	17.2	17.2	23.5	23.5	23.5	23.5	23.5

Output Power Verification in dBm for EUT Left Side (moving away phantom)											
Distance (mm)	21	22	23	24	25	26	27	28	29	30	31
WCDMA II	20.17	20.17	20.17	20.17	20.17	20.17	23.72	23.72	23.72	23.72	23.72
LTE 7	18.45	18.45	18.45	18.45	18.45	18.45	23.17	23.17	23.17	23.17	23.17
LTE 2	19.62	19.62	19.62	19.62	19.62	19.62	23.28	23.28	23.28	23.28	23.28
LTE 25	19.91	19.91	19.91	19.91	19.91	19.91	23.45	23.45	23.45	23.45	23.45
n7	19.38	19.38	19.38	19.38	19.38	19.38	23.34	23.34	23.34	23.34	23.34
n2	20.41	20.41	20.41	20.41	20.41	20.41	23.56	23.56	23.56	23.56	23.56
n25	20.47	20.47	20.47	20.47	20.47	20.47	23.65	23.65	23.65	23.65	23.65
n38	17.2	17.2	17.2	17.2	17.2	17.2	23.5	23.5	23.5	23.5	23.5

Output Power Verification in dBm for EUT Top Side (moving toward phantom)											
Distance (mm)	16	17	18	19	20	21	22	23	24	25	26
WCDMA II	20.17	20.17	20.17	20.17	20.17	20.17	23.72	23.72	23.72	23.72	23.72
LTE 7	18.45	18.45	18.45	18.45	18.45	18.45	23.17	23.17	23.17	23.17	23.17
LTE 2	19.62	19.62	19.62	19.62	19.62	19.62	23.28	23.28	23.28	23.28	23.28
LTE 25	19.91	19.91	19.91	19.91	19.91	19.91	23.45	23.45	23.45	23.45	23.45
n7	19.38	19.38	19.38	19.38	19.38	19.38	23.34	23.34	23.34	23.34	23.34
n2	20.41	20.41	20.41	20.41	20.41	20.41	23.56	23.56	23.56	23.56	23.56
n25	20.47	20.47	20.47	20.47	20.47	20.47	23.65	23.65	23.65	23.65	23.65
n38	17.2	17.2	17.2	17.2	17.2	17.2	23.5	23.5	23.5	23.5	23.5

Output Power Verification in dBm for EUT Top Side (moving away phantom)											
Distance (mm)	16	17	18	19	20	21	22	23	24	25	26
WCDMA II	20.17	20.17	20.17	20.17	20.17	20.17	23.72	23.72	23.72	23.72	23.72
LTE 7	18.45	18.45	18.45	18.45	18.45	18.45	23.17	23.17	23.17	23.17	23.17
LTE 2	19.62	19.62	19.62	19.62	19.62	19.62	23.28	23.28	23.28	23.28	23.28
LTE 25	19.91	19.91	19.91	19.91	19.91	19.91	23.45	23.45	23.45	23.45	23.45
n7	19.38	19.38	19.38	19.38	19.38	19.38	23.34	23.34	23.34	23.34	23.34
n2	20.41	20.41	20.41	20.41	20.41	20.41	23.56	23.56	23.56	23.56	23.56
n25	20.47	20.47	20.47	20.47	20.47	20.47	23.65	23.65	23.65	23.65	23.65
n38	17.2	17.2	17.2	17.2	17.2	17.2	23.5	23.5	23.5	23.5	23.5

WWAN Ant-6

DSI-6/8

Output Power Verification in dBm for EUT Front Face (moving toward phantom)											
Distance (mm)	16	17	18	19	20	21	22	23	24	25	26
n48	13.92	13.92	13.92	13.92	13.92	13.92	23.07	23.07	23.07	23.07	23.07
NR n77	19.33	19.33	19.33	19.33	19.33	19.33	23.39	23.39	23.39	23.39	23.39
NR n77 HPUE	20.76	20.76	20.76	20.76	20.76	20.76	24.85	24.85	24.85	24.85	24.85
NR n78	19.48	19.48	19.48	19.48	19.48	19.48	22.05	22.05	22.05	22.05	22.05
NR n78 HPUE	21.19	21.19	21.19	21.19	21.19	21.19	24.26	24.26	24.26	24.26	24.26

Output Power Verification in dBm for EUT Front Face (moving away phantom)											
Distance (mm)	16	17	18	19	20	21	22	23	24	25	26
n48	13.92	13.92	13.92	13.92	13.92	13.92	23.07	23.07	23.07	23.07	23.07
NR n77	19.33	19.33	19.33	19.33	19.33	19.33	23.39	23.39	23.39	23.39	23.39
NR n77 HPUE	20.76	20.76	20.76	20.76	20.76	20.76	24.85	24.85	24.85	24.85	24.85
NR n78	19.48	19.48	19.48	19.48	19.48	19.48	22.05	22.05	22.05	22.05	22.05
NR n78 HPUE	21.19	21.19	21.19	21.19	21.19	21.19	24.26	24.26	24.26	24.26	24.26

Output Power Verification in dBm for EUT Rear Face (moving toward phantom)											
Distance (mm)	20	21	22	23	24	25	26	27	28	29	30
n48	13.92	13.92	13.92	13.92	13.92	13.92	23.07	23.07	23.07	23.07	23.07
NR n77	19.33	19.33	19.33	19.33	19.33	19.33	23.39	23.39	23.39	23.39	23.39
NR n77 HPUE	20.76	20.76	20.76	20.76	20.76	20.76	24.85	24.85	24.85	24.85	24.85
NR n78	19.48	19.48	19.48	19.48	19.48	19.48	22.05	22.05	22.05	22.05	22.05
NR n78 HPUE	21.19	21.19	21.19	21.19	21.19	21.19	24.26	24.26	24.26	24.26	24.26

Output Power Verification in dBm for EUT Rear Face (moving away phantom)											
Distance (mm)	20	21	22	23	24	25	26	27	28	29	30
n48	13.92	13.92	13.92	13.92	13.92	13.92	23.07	23.07	23.07	23.07	23.07
NR n77	19.33	19.33	19.33	19.33	19.33	19.33	23.39	23.39	23.39	23.39	23.39
NR n77 HPUE	20.76	20.76	20.76	20.76	20.76	20.76	24.85	24.85	24.85	24.85	24.85
NR n78	19.48	19.48	19.48	19.48	19.48	19.48	22.05	22.05	22.05	22.05	22.05
NR n78 HPUE	21.19	21.19	21.19	21.19	21.19	21.19	24.26	24.26	24.26	24.26	24.26

Output Power Verification in dBm for EUT Top Side (moving toward phantom)											
Distance (mm)	16	17	18	19	20	21	22	23	24	25	26
n48	13.92	13.92	13.92	13.92	13.92	13.92	23.07	23.07	23.07	23.07	23.07
NR n77	19.33	19.33	19.33	19.33	19.33	19.33	23.39	23.39	23.39	23.39	23.39
NR n77 HPUE	20.76	20.76	20.76	20.76	20.76	20.76	24.85	24.85	24.85	24.85	24.85
NR n78	19.48	19.48	19.48	19.48	19.48	19.48	22.05	22.05	22.05	22.05	22.05
NR n78 HPUE	21.19	21.19	21.19	21.19	21.19	21.19	24.26	24.26	24.26	24.26	24.26

Output Power Verification in dBm for EUT Top Side (moving away phantom)											
Distance (mm)	16	17	18	19	20	21	22	23	24	25	26
n48	13.92	13.92	13.92	13.92	13.92	13.92	23.07	23.07	23.07	23.07	23.07
NR n77	19.33	19.33	19.33	19.33	19.33	19.33	23.39	23.39	23.39	23.39	23.39
NR n77 HPUE	20.76	20.76	20.76	20.76	20.76	20.76	24.85	24.85	24.85	24.85	24.85
NR n78	19.48	19.48	19.48	19.48	19.48	19.48	22.05	22.05	22.05	22.05	22.05
NR n78 HPUE	21.19	21.19	21.19	21.19	21.19	21.19	24.26	24.26	24.26	24.26	24.26

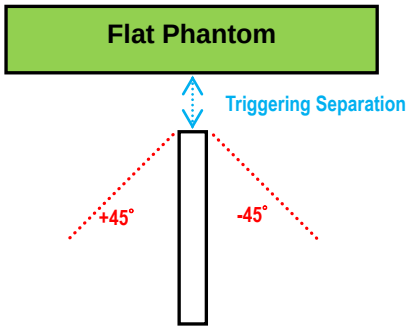
< Proximity Sensor Coverage >

In KDB 616217 section 6.3, if a sensor is spatially offset from the antenna(s), it is necessary to verify sensor triggering for conditions where the antenna is next to the user but the sensor is laterally further away to ensure sensor coverage is sufficient for reducing the power to maintain compliance. For p-sensor coverage testing, the device is moved and “along the direction of maximum antenna and sensor offset”.

However, this device uses a capacitive proximity sensor that is same metallic component as the transmitting antenna to facilitate triggering in any condition the user may use the device in proximity of the antenna in the device. Therefore, no further sensor coverage assessments were required.

<Proximity Sensor Tilt Angle Influences>

The proximity sensor tilt angle influence was determined per KDB 616217 for applicable edge. Summary for proximity sensor tilt angle influence is shown in below.



Antenna	Orientation	Separation Distance (mm)	Tilt Angle										
			-45°	-40°	-30°	-20°	-10°	0°	10°	20°	30°	40°	45°
Ant 0	Bottom Side	30	On	On	On	On	On	On	On	On	On	On	On
	Left Side	12	On	On	On	On	On	On	On	On	On	On	On
Ant 3	Top Side	21	On	On	On	On	On	On	On	On	On	On	On
	Left Side	26	On	On	On	On	On	On	On	On	On	On	On
Ant 6	Top Side	21	On	On	On	On	On	On	On	On	On	On	On

<Summary for Proximity Sensor Triggering Test>

According to the procedures noticed in KDB 616217 D04

The conservation triggering distances based on the separation distance for the sensor trigger / not triggered as EUT with power reduction at 0 mm, and EUT without power reduction is shown as below.

Antenna / Test position	Front Face	Rear Face	Left Side	Right Side	Top Side	Bottom Side
WWAN-Ant 0	20mm	23mm	12mm	-	-	30mm
WWAN-Ant 3	21mm	25mm	26mm	-	21mm	-
WWAN-Ant 6	21mm	25mm	-	-	21mm	-

The power reduction is depends on the proximity sensor input. For a steady SAR test, the power reduction was enabled or disabled manually by engineering software during SAR testing.

<Considerations Related to GSM / GPRS / EDGE for Setup and Testing>

The maximum multi-slot capability supported by this device is as below.

1. This EUT is class B device
2. This EUT supports GPRS multi-slot class 12 (max. uplink: 4, max. downlink: 4, total timeslots: 5)
3. This EUT supports EDGE multi-slot class 12 (max. uplink: 4, max. downlink: 4, total timeslots: 5)

For GSM850 frequency band, the power control level is set to 5 for GSM mode and GPRS (GMSK: CS1), and set to 8 for EDGE (GMSK: MCS1, 8PSK: MCS9). For GSM1900 frequency band, the power control level is set to 0 for GSM mode and GPRS (GMSK: CS1), and set to 2 for EDGE (GMSK: MCS1, 8PSK: MCS9).

SAR test reduction for GPRS and EDGE modes is determined by the source-based time-averaged output power specified for production units, including tune-up tolerance. The data mode with highest specified time-averaged output power should be tested for SAR compliance in the applicable exposure conditions. For modes with the same specified maximum output power and tolerance, the higher number time-slot configuration should be tested.

The frame-averaged power is linearly proportion to the slot number configured and it is linearly scaled the maximum burst-averaged power based on time slots. The calculated method is shown as below:
Frame-averaged power = 10 x log (Burst-averaged power mW x Slot used / 8)

<Considerations Related to WCDMA for Setup and Testing>

WCDMA Handsets Head SAR

SAR for next to the ear head exposure is measured using a 12.2 kbps RMC with TPC bits configured to all “1’s”. The 3G SAR test reduction procedure is applied to AMR configurations with 12.2 kbps RMC as the primary mode.

WCDMA Handsets Body-worn SAR

SAR for body-worn configurations is measured using a 12.2 kbps RMC with TPC bits configured to all “1’s”. The 3G SAR test reduction procedure is applied to other spreading codes and multiple $DPDCH_n$ configurations supported by the handset with 12.2 kbps RMC as the primary mode.

Handsets with Release 5 HSDPA

The 3G SAR test reduction procedure is applied to HSDPA body-worn configurations with 12.2 kbps RMC as the primary mode. Otherwise, SAR is measured for HSDPA using the HSDPA body SAR procedures in the “Release 5 HSDPA Data Devices”, for the highest reported SAR body-worn exposure configuration in 12.2 kbps RMC. Handsets with both HSDPA and HSUPA are tested according to Release 6 HSPA test procedures.

Handsets with Release 6 HSUPA

The 3G SAR test reduction procedure is applied to HSPA (HSUPA/HSDPA with RMC) body-worn configurations with 12.2 kbps RMC as the primary mode. Otherwise, SAR is measured for HSPA using the HSPA body SAR procedures in the “Release 6 HSPA Data Devices”, for the highest reported body-worn exposure SAR configuration in 12.2 kbps RMC. When VOIP is applicable for next to the ear head exposure in HSPA, the 3G SAR test reduction procedure is applied to HSPA with 12.2 kbps RMC as the primary mode; otherwise, the same HSPA configuration used for body-worn measurements is tested for next to the ear head exposure.

Release 5 HSDPA Data Devices

The 3G SAR test reduction procedure is applied to body SAR with 12.2 kbps RMC as the primary mode. Otherwise, body SAR for HSDPA is measured using an FRC with H-Set 1 in Sub-test 1 and a 12.2 kbps RMC configured in Test Loop Mode 1, for the highest reported SAR configuration in 12.2 kbps RMC without HSDPA. HSDPA is configured according to the applicable UE category of a test device. The number of HS-DSCH / HS-PDSCHs, HARQ processes, minimum inter-TTI interval, transport block sizes and RV coding sequence are defined by the H-set. To maintain a consistent test configuration and stable transmission conditions, QPSK is used in the H-set for SAR testing. HS-DPCCH should be configured with a CQI feedback cycle of 4 ms and a CQI repetition factor of 2 to maintain a constant rate of active CQI slots. DPCCH and DPDCH gain factors (β_c, β_d), and HS-DPCCH power offset parameters (Δ_{ACK}, Δ_{NACK}, Δ_{CQI}) are set according to values indicated in below. The CQI value is determined by the UE category, transport block size, number of HS-PDSCHs and modulation used in the H-set.

Sub-test	β_c	β_d	β_d (SF)	β_c / β_d	β_{hs} (1)	CM (dB)(2)	MPR
1	2 / 15	15 / 15	64	2 / 15	4 / 15	0.0	0
2	12 / 15 (3)	15 / 15 (3)	64	12 / 15 (3)	24 / 15	1.0	0
3	15 / 15	8 / 15	64	15 / 8	30 / 15	1.5	0.5
4	15 / 15	4 / 15	64	15 / 4	30 / 15	1.5	0.5

Note 1: Δ_{ACK}, Δ_{NACK} and Δ_{CQI} = 8 ⇔ A_{hs} = β_{hs} / β_c = 30 / 15 ⇔ β_{hs} = 30 / 15 * β_c.
Note 2: CM = 1 for β_c / β_d = 12 / 15, β_{hs} / β_c = 24 / 15.
Note 3: For subtest 2 the β_c / β_d ratio of 12 / 15 for the TFC during the measurement period (TF1, TF0) is achieved by setting the signaled gain factors for the reference TFC (TF1, TF1) to β_c = 11 / 15 and β_d = 15 / 15.

Release 6 HSUPA Data Devices

The 3G SAR test reduction procedure is applied to body SAR with 12.2 kbps RMC as the primary mode. Otherwise, body SAR for HSPA is measured with E-DCH Sub-test 5, using H-Set 1 and QPSK for FRC and a 12.2 kbps RMC configured in Test Loop Mode 1 and power control algorithm 2, according to the highest reported body SAR configuration in 12.2 kbps RMC without HSPA. When VOIP applies to head exposure, the 3G SAR test reduction procedure is applied with 12.2 kbps RMC as the primary mode. Otherwise, the same HSPA configuration used for body SAR measurements are applied to head exposure testing. Due to inner loop power control requirements in HSPA, a communication test set is required for output power and SAR tests. The 12.2 kbps RMC, FRC H-set 1 and E-DCH configurations for HSPA are configured according to the β values indicated in below.

Sub-test	β_c	β_d	β_d (SF)	β_c / β_d	β_{hs} (1)	β_{ec}	β_{ed}	β_{ed} (SF)	β_{ed} (codes)	CM (2) (dB)	MPR (dB)	AG (4) Index	E-TFCI
1	11 / 15 (3)	15 / 15 (3)	64	11 / 15 (3)	22 / 15	209 / 225	1039 / 225	4	1	1.0	0.0	20	75
2	6 / 15	15 / 15	64	6 / 15	12 / 15	12 / 15	94 / 75	4	1	3.0	2.0	12	67
3	15 / 15	9 / 15	64	15 / 9	30 / 15	30 / 15	β_{ed1}: 47/15 β_{ed2}: 47/15	4	2	2.0	1.0	15	92
4	2 / 15	15 / 15	64	2 / 15	4 / 15	2 / 15	56 / 75	4	1	3.0	2.0	17	71
5	15 / 15 (4)	15 / 15 (4)	64	15 / 15 (4)	30 / 15	24 / 15	134 / 15	4	1	1.0	0.0	21	81

Note 1: Δ_{ACK}, Δ_{NACK} and Δ_{CQI} = 8 $\Leftrightarrow$ A_{hs} = β_{hs} / β_c = 30 / 15 $\Leftrightarrow$ β_{hs} = 30 / 15 * β_c.
Note 2: CM = 1 for β_c / β_d = 12 / 15, β_{hs} / β_c = 24 / 15. For all other combinations of DPDCH, DPCCH, HS-DPCCH, E-DPDCH and E-DPCCH the MPR is based on the relative CM difference.
Note 3: For subtest 1 the β_c / β_d ratio of 11 / 15 for the TFC during the measurement period (TF1, TF0) is achieved by setting the signaled gain factors for the reference TFC (TF1, TF1) to β_c = 10 / 15 and β_d = 15 / 15.
Note 4: For subtest 5 the β_c / β_d ratio of 15 / 15 for the TFC during the measurement period (TF1, TF0) is achieved by setting the signaled gain factors for the reference TFC (TF1, TF1) to β_c = 14 / 15 and β_d = 15 / 15.
Note 5: Testing UE using E-DPDCH Physical Layer category 1 Sub-test 3 is not required according to TS 25.306 Table 5.1g.
Note 6: β_{ed} cannot be set directly; it is set by Absolute Grant Value.

DC-HSDPA SAR Guidance

The 3G SAR test reduction procedure is applied to DC-HSDPA with 12.2 kbps RMC as the primary mode. Otherwise, when SAR is required for Rel. 5 HSDPA, SAR is required for Rel. 8 DC-HSDPA. Power is measured for DC-HSDPA according to the H-Set 12, FRC configuration in Table C.8.1.12 of 3GPP TS 34.121-1 to determine SAR test reduction. A primary and a secondary serving HS-DSCH Cell are required to perform the power measurement and for the results to be acceptable.

<Considerations Related to LTE for Setup and Testing>

This device contains LTE transmitter which follows 3GPP standards, supports both QPSK 16QAM and 64QAM modulations, and supported LTE band and channel bandwidth is listed in below. The output power was tested per 3GPP TS 36.521-1 maximum transmit procedures for both QPSK 16QAM and 64QAM modulation. The results please refer to section 4.6 of this report.

EUT Supported LTE Band and Channel Bandwidth						
LTE Band	**BW 1.4 MHz**	**BW 3 MHz**	**BW 5 MHz**	**BW 10 MHz**	**BW 15 MHz**	**BW 20 MHz**
2	**V**	**V**	**V**	**V**	**V**	**V**
4	**V**	**V**	**V**	**V**	**V**	**V**
5	**V**	**V**	**V**	**V**		
7			**V**	**V**	**V**	**V**
12	**V**	**V**	**V**	**V**		
13			**V**	**V**		
17			**V**	**V**		
25	**V**	**V**	**V**	**V**	**V**	**V**
26	**V**	**V**	**V**	**V**	**V**	
38			**V**	**V**	**V**	**V**
41			**V**	**V**	**V**	**V**
66	**V**	**V**	**V**	**V**	**V**	**V**
71			**V**	**V**	**V**	**V**

The LTE maximum power reduction (MPR) in accordance with 3GPP TS 36.101 is active all times during LTE operation. The allowed MPR for the maximum output power is specified in below.

Modulation	Channel Bandwidth / RB Configurations						LTE MPR Setting (dB)
	BW 1.4 MHz	BW 3 MHz	BW 5 MHz	BW 10 MHz	BW 15 MHz	BW 20 MHz	
QPSK	> 5	> 4	> 8	> 12	> 16	> 18	1
16QAM	<= 5	<= 4	<= 8	<= 12	<= 16	<= 18	1
16QAM	> 5	> 4	> 8	> 12	> 16	> 18	2
64QAM	<= 5	<= 4	<= 8	<= 12	<= 16	<= 18	2
64QAM	> 5	> 4	> 8	> 12	> 16	> 18	3

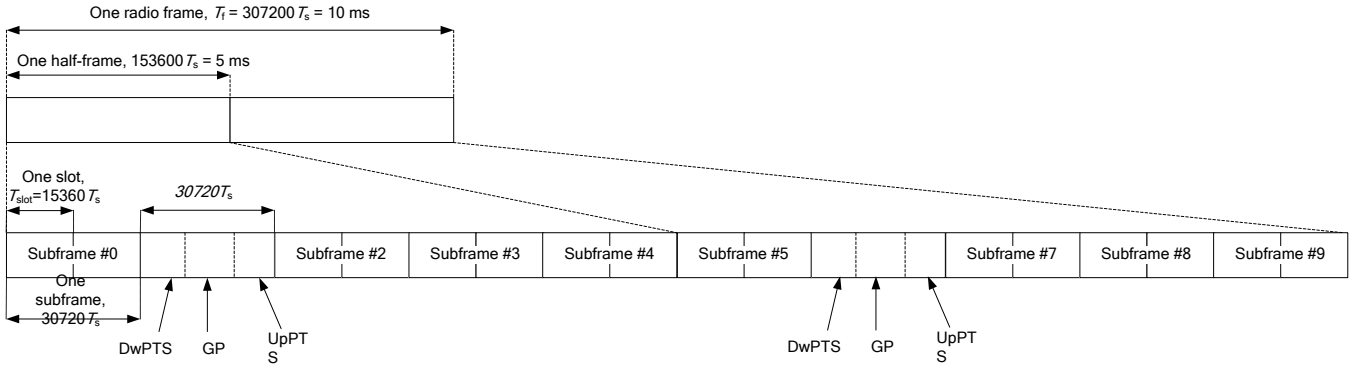
Note: MPR is according to the standard and implemented in the circuit (mandatory).

In addition, the device is compliant with additional maximum power reduction (A-MPR) requirements defined in 3GPP TS 36.101 section 6.2.4 that was disabled for all FCC compliance testing.

During LTE SAR testing, the related parameters of operating band, channel bandwidth, uplink channel number, modulation type, and RB was set in base station simulator. When the EUT has registered and communicated to base station simulator, the simulator set to make EUT transmitting the maximum radiated power.

TDD-LTE Setup Configurations

According to KDB 941225 D05, SAR testing for TDD-LTE device must be tested using a fixed periodic duty factor according to the highest transmission duty factor implemented for the device and supported by the defined 3GPP TDD-LTE configurations. The TDD-LTE of this device supports frame structure type 2 defined in 3GPP TS 36.211 section 4.2, and the frame structure configuration can be referred to below.



3GPP TS 36.211 Figure 4.2-1: Frame Structure Type 2

Special Subframe Configuration	Normal Cyclic Prefix in Downlink			Extended Cyclic Prefix in Downlink		
	DwPTS	UpPTS		DwPTS	UpPTS	
		Normal Cyclic Prefix in Uplink	Extended Cyclic Prefix in Uplink		Normal Cyclic Prefix in Uplink	Extended Cyclic Prefix in Uplink
0	6592 • Ts	2192 • Ts	2560 • Ts	7680 • Ts	2192 • Ts	2560 • Ts
1	19760 • Ts			20480 • Ts		
2	21952 • Ts			23040 • Ts		
3	24144 • Ts			25600 • Ts		
4	26336 • Ts			7680 • Ts	4384 • Ts	5120 • Ts
5	6592 • Ts	4384 • Ts	5120 • Ts	20480 • Ts		
6	19760 • Ts			23040 • Ts		
7	21952 • Ts			12800 • Ts		
8	24144 • Ts			-	-	-
9	13168 • Ts			-	-	-

3GPP TS 36.211 Table 4.2-1: Configuration of Special Subframe

Uplink-Downlink Configuration	Downlink-to-Uplink Switch-Point Periodicity	Subframe Number									
		0	1	2	3	4	5	6	7	8	9
0	5 ms	D	S	U	U	U	D	S	U	U	U
1	5 ms	D	S	U	U	D	D	S	U	U	D
2	5 ms	D	S	U	D	D	D	S	U	D	D
3	10 ms	D	S	U	U	U	D	D	D	D	D
4	10 ms	D	S	U	U	D	D	D	D	D	D
5	10 ms	D	S	U	D	D	D	D	D	D	D
6	5 ms	D	S	U	U	U	D	S	U	U	D

3GPP TS 36.211 Table 4.2-2: Uplink-Downlink Configurations

The variety of different TD-LTE uplink-downlink configurations allows a network operator to allocate the network's capacity between uplink and downlink traffic to meet the needs of the network. The uplink duty cycle of these seven configurations can readily be computed and shown in below.

UL-DL Configuration	0	1	2	3	4	5	6
Highest Duty-Cycle	63.33%	43.33%	23.33%	31.67%	21.67%	11.67%	53.33%

Considering the highest transmission duty cycle, TDD-LTE was tested using Uplink-Downlink Configuration 0 with 6 uplink subframe and 2 special subframe. The special subframe was set to special subframe configuration 7 using extended cyclic prefix uplink. Therefore, SAR testing for TDD-LTE was performed at the maximum output power with highest transmission duty cycle of 63.33%.

LTE Uplink Carrier Aggregation (Intra-Band) Setup Configurations

1. The conducted power for uplink CA active was measured on the highest reported SAR configuration for each exposure condition with both two carrier components was set to largest channel bandwidth.
2. The SAR testing was performed with the single carrier (uplink CA is inactive) for all test positions for each exposure condition. The LTE uplink CA active was verified with maximum output power on the highest SAR configuration of single carrier for each exposure condition. For intra-band contiguous CA, the SCC channel was set to closest available contiguous channel.

EUT Supported Combinations of Uplink Carrier Aggregation
Intra-Band 2CC Uplink CA Operating Bands
CA_7C, CA_38C, CA_41C, CA_66B, CA_66C

LTE Uplink Carrier Aggregation (Inter-Band) Setup Configurations

LTE Uplink CA	2CC Uplink Carrier Aggregation	
Inter Band	Tx Antenna	
	PCC	SCC
CA_2A-4A	Ant 1	Ant 3
CA_2A-5A	Ant 3	Ant 0
CA_2A-12A	Ant 1	Ant 0
CA_2A-12A	Ant 3	Ant 0
CA_2A-13A	Ant 3	Ant 0
CA_2A-66A	Ant 1	Ant 1
CA_2A-66A	Ant 1	Ant 3
CA_4A-5A	Ant 3	Ant 0
CA_4A-7A	Ant 3	Ant 0
CA_4A-12A	Ant 3	Ant 0
CA_4A-13A	Ant 3	Ant 0
CA_5A-7A	Ant 0	Ant 3
CA_5A-66A	Ant 0	Ant 3
CA_13A-66A	Ant 0	Ant 1
CA_13A-66A	Ant 0	Ant 3

Note: For Inter-band CA Simultaneous SAR analysis is performed using standalone SAR summed together and they are more conservatively for inter-band CA.

<Considerations Related to 5G NR for Setup and Testing>

1. The 5G NR supports both SA and NSA modes. The details are as follows:

Mode	Band	Duplex	SCS(KHz)	BW(M)
NSA	5G NR n2	FDD	15	5,10,15,20
	5G NR n5	FDD	15	5,10,15,20
	5G NR n7	FDD	15	5,10,15,20
	5G NR n38	TDD	30	20,30,40
	5G NR n41	TDD	30	20,30,40,50,60,80,90,100
	5G NR n66	FDD	15	5,10,15,20
	5G NR n71	FDD	15	5,10,15,20
	5G NR n77	TDD	30	20,30,60,80,100
	5G NR n78	TDD	30	20,30,40,50,60,70,80,90,100
SA	5G NR n2	FDD	15	5,10,15,20
	5G NR n5	FDD	15	5,10,15,20
	5G NR n7	FDD	15	5,10,15,20
	5G NR n25	FDD	15	5,10,15,20
	5G NR n38	TDD	30	20,30,40
	5G NR n41	TDD	30	20,30,40,50,60,80,90,100
	5G NR n48	TDD	30	10,20,40
	5G NR n66	FDD	15	5,10,15,20
	5G NR n71	FDD	15	5,10,15,20
	5G NR n77	TDD	30	20,30,60,80,100
	5G NR n78	TDD	30	20,30,40,50,60,70,80,90,100

2. For 5G NR test procedure was following step similar FCC KDB 941225 D05:

(1) For DFT-OFDM and CP-OFDM output power measurement reduction, according to 38.101 maximum power reduction for power class2 and 3, the CP-OFDM mode will not higher than DFT-OFDM mode, therefore, similar FCC KB 941225 D05 procedure for other modulation output power for each RB allocation configuration is > not ½ dB higher than the same configuration in DFT-QPSK and the reported SAR for the DFT-QPSK configuration is ≤ 1.45 W/kg; CP-OFDM testing is not required.

(2) For DFT-OFDM output power measurement reduction, according to 38.101 maximum power reduction for power class2 and 3, for 16QAM/64QAM/256QAM and smaller bandwidth output power will spot check largest channel bandwidth worst RB configuration to ensure the 16QAM/64QAM/256QAM and smaller bandwidth output power will not ½ dB higher than the same configuration in the largest supported bandwidth.

(3) SAR testing start with the largest channel bandwidth and measure SAR for QPSK with 1 RB allocation, using the RB offset and required test channel combination with the highest maximum output power for RB offset at the upper edge, middle and lower edge of each required test channel.

(4) 50% RB allocation for QPSK SAR testing follows 1RB QPSK allocation procedure.

(5) QPSK with 100% RB allocation, SAR is not required when the highest maximum output power for 100 % RB allocation is less than the highest maximum output power in 50% and 1 RB allocations and the highest reported

SAR for 1 RB and 50% RB allocation are ≤ 0.8 W/kg. Otherwise, SAR is measured for the highest output power channel, and if the reported SAR is > 1.45 W/kg, the remaining required test channels must also be tested.

(6) PI/2 BPSK/16QAM/64QAM/256QAM output powers according to 3GPP MPR will not ½ dB higher than the same configuration in QPSK, also reported SAR for the QPSK configuration is less than 1.45 W/kg, PI/2 BPSK/16QAM/64QAM/256QAM SAR testing are not required.

(7) Smaller bandwidth output power for each RB allocation configuration for this device will not. ½ dB higher than the same configuration in the largest supported bandwidth, and the reported SAR for the largest supported bandwidth is ≤ 1.45 W/kg, smaller bandwidth SAR testing is not required for this device.

Table 6.2.2.3-1: Maximum power reduction (MPR) for power class 3

Modulation		MPR (dB)		
		Edge RB allocations	Outer RB allocations	Inner RB allocations
DFT-s-OFDM	Pi/2 BPSK	≤ 3.5[1]	≤ 1.2[1]	≤ 0.2[1]
		≤ 0.5[2]		0[2]
	QPSK	≤ 1		0
	16 QAM	≤ 2		≤ 1
	64 QAM	≤ 2.5		
	256 QAM	≤ 4.5		
CP-OFDM	QPSK	≤ 3		≤ 1.5
	16 QAM	≤ 3		≤ 2
	64 QAM	≤ 3.5		
	256 QAM	≤ 6.5		

NOTE 1: Applicable for UE operating in TDD mode with Pi/2 BPSK modulation and UE indicates support for UE capability *powerBoosting-pi2BPSK* and if the IE *powerBoostPi2BPSK* is set to 1 and 40 % or less slots in radio frame are used for UL transmission for bands n40, n41, n77, n78 and n79. The reference power of 0dB MPR is 26dBm.

NOTE 2: Applicable for UE operating in FDD mode, or in TDD mode in bands other than n40, n41, n77, n78 and n79 and if the IE *powerBoostPi2BPSK* is set to 0 and if more than 40% of slots in radio frame are used for UL transmission for bands n40, n41, n77, n78 and n79.

3. NSA and SA mode should perform SAR separately. For the maximum power of NSA mode is the same as SA total power level. So, SA SAR can represent NSA mode SAR.
4. 5G NR NSA mode, the power level is the same as 5G NR SA mode, so 5G NR NSA mode and SA mode power table only show one time.
5. Due to test setup limitations, SAR testing for NR was performed using Factory Test Mode software to establish the connection.

ENDC Combination	Antenna TX	
	LTE TX	NR TX
DC_5A_n2A	Ant 0	Ant 3
DC_12A_n2A	Ant 0	Ant 3
DC_13A_n2A	Ant 0	Ant 3
DC_66A_n2A	Ant 3	Ant 1
DC_2A_n5A	Ant 3	Ant 0
DC_7A_n5A	Ant 3	Ant 0
DC_66A_n5A	Ant 3	Ant 0

ENDC Combination	Antenna TX	
	LTE TX	NR TX
DC_5A_n7A	Ant 0	Ant 3
DC_12A_n7A	Ant 0	Ant 3
DC_66A_n7A	Ant 3	Ant 0
DC_5A_n38A	Ant 0	Ant 3
DC_12A_n38A	Ant 0	Ant 3
DC_2A_n41A	Ant 1	Ant 0
DC_4A_n41A	Ant 1	Ant 0
DC_12A_n41A	Ant 0	Ant 3
DC_66A_n41A	Ant 1	Ant 0
DC_2A_n66A	Ant 3	Ant 1
DC_5A_n66A	Ant 0	Ant 3
DC_7A_n66A	Ant 3	Ant 1
DC_12A_n66A	Ant 0	Ant 3
DC_13A_n66A	Ant 0	Ant 1
DC_2A_n71A	Ant 3	Ant 0
DC_66A_n71A	Ant 3	Ant 0
DC_2A_n77A	Ant 1	Ant 6
DC_5A_n77A	Ant 0	Ant 6
DC_12A_n77A	Ant 0	Ant 6
DC_13A_n77A	Ant 0	Ant 6
DC_66A_n77A	Ant 1	Ant 6
DC_2A_n78A	Ant 1	Ant 6
DC_4A_n78A	Ant 1	Ant 6
DC_5A_n78A	Ant 0	Ant 6
DC_7A_n78A	Ant 0	Ant 6
DC_12A_n78A	Ant 0	Ant 6
DC_13A_n78A	Ant 0	Ant 6
DC_38A_n78A	Ant 0	Ant 6
DC_41A_n78A	Ant 0	Ant 6
DC_66A_n78A	Ant 1	Ant 6

Note: For ENDC Simultaneous SAR analysis is performed using standalone SAR summed together and they are more conservatively for ENDC.

<Considerations Related to WLAN for Setup and Testing>

In general, various vendor specific external test software and chipset based internal test modes are typically used for SAR measurement. These chipset based test mode utilities are generally hardware and manufacturer dependent, and often include substantial flexibility to reconfigure or reprogram a device. A Wi-Fi device must be configured to transmit continuously at the required data rate, channel bandwidth and signal modulation, using the highest transmission duty factor supported by the test mode tools for SAR measurement. The test frequencies established using test mode must correspond to the actual channel frequencies. When 802.11 frame gaps are accounted for in the transmission, a maximum transmission duty factor of 92 - 96% is typically achievable in most test mode configurations. A minimum transmission duty factor of 85% is required to avoid certain hardware and device implementation issues related to wide range SAR scaling. In addition, a periodic transmission duty factor is required for current generation SAR systems to measure SAR correctly. The reported SAR must be scaled to 100% transmission duty factor to determine compliance at the maximum tune-up tolerance limit.

According to KDB 248227 D01, this device has installed WLAN engineering testing software which can provide continuous transmitting RF signal. During WLAN SAR testing, this device was operated to transmit continuously at the maximum transmission duty with specified transmission mode, operating frequency, lowest data rate, and maximum output power.

Initial Test Configuration

An initial test configuration is determined for OFDM transmission modes in 2.4 GHz and 5 GHz bands according to the channel bandwidth, modulation and data rate combination(s) with the highest maximum output power specified for production units in each standalone and aggregated frequency band. When the same maximum power is specified for multiple transmission modes in a frequency band, the largest channel bandwidth, lowest order modulation, lowest data rate and lowest order 802.11a/g/n/ac mode is used for SAR measurement, on the highest measured output power channel in the initial test configuration, for each frequency band.

Subsequent Test Configuration

SAR measurement requirements for the remaining 802.11 transmission mode configurations that have not been tested in the initial test configuration are determined separately for each standalone and aggregated frequency band, in each exposure condition, according to the maximum output power specified for production units. Additional power measurements may be required to determine if SAR measurements are required for subsequent highest output power channels in a subsequent test configuration. When the highest reported SAR for the initial test configuration according to the initial test position or fixed exposure position requirements, is adjusted by the ratio of the subsequent test configuration to initial test configuration specified maximum output power and the adjusted SAR is ≤ 1.2 W/kg, SAR is not required for that subsequent test configuration.

SAR Test Configuration and Channel Selection

When multiple channel bandwidth configurations in a frequency band have the same specified maximum output power, the initial test configuration is using largest channel bandwidth, lowest order modulation, lowest data rate, and lowest order 802.11 mode (i.e., 802.11a is chosen over 802.11n then 802.11ac or 802.11g is chosen over 802.11n). After an initial test configuration is determined, if multiple test channels have the same measured maximum output power, the channel chosen for SAR measurement is determined according to the following.

1) The channel closest to mid-band frequency is selected for SAR measurement.
2) For channels with equal separation from mid-band frequency; for example, high and low channels or two mid-band channels, the higher frequency (number) channel is selected for SAR measurement.

Test Reduction for U-NII-1 (5.2 GHz) and U-NII-2A (5.3 GHz) Bands

For devices that operate in both U-NII bands using the same transmitter and antenna(s), SAR test reduction is determined according to the following.

1) 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).

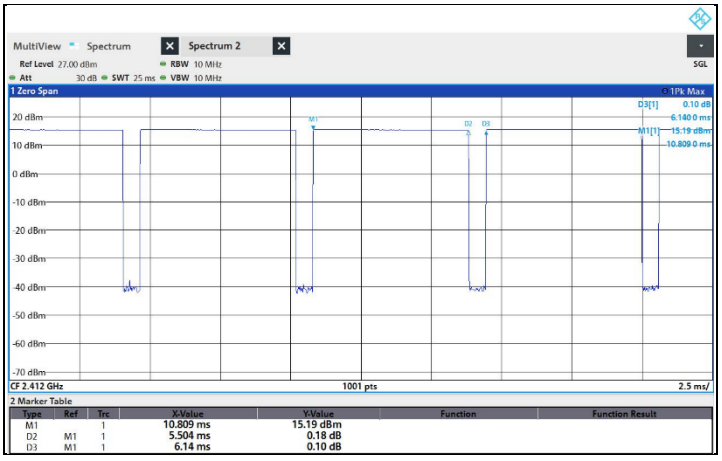
2) When different maximum output power is specified for the bands, begin SAR measurement in the band with higher specified maximum output power. The highest reported SAR for the tested configuration is adjusted by the ratio of lower to higher specified maximum output power for the two bands. When the adjusted SAR is ≤ 1.2 W/kg, SAR is not required for the band with lower maximum output power in that test configuration.

<Considerations Related to Bluetooth for Setup and Testing>

This device has installed Bluetooth engineering testing software which can provide continuous transmitting RF signal. During Bluetooth SAR testing, this device was operated to transmit continuously at the maximum transmission duty with specified transmission mode, operating frequency, lowest data rate, and maximum output power

<WLAN2.4G Duty Cycle of Test Signal>

WLAN 2.4G 802.11b: Duty cycle = 5.504 / 6.14 = 0.8964



4.2 EUT Testing Position

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

4.2.1 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.

1. Define two imaginary lines on the handset

(a) The vertical centerline passes through two points on the front side of the handset - the midpoint of the width w_t of the handset at the level of the acoustic output, and the midpoint of the width w_b of the bottom of the handset.

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

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

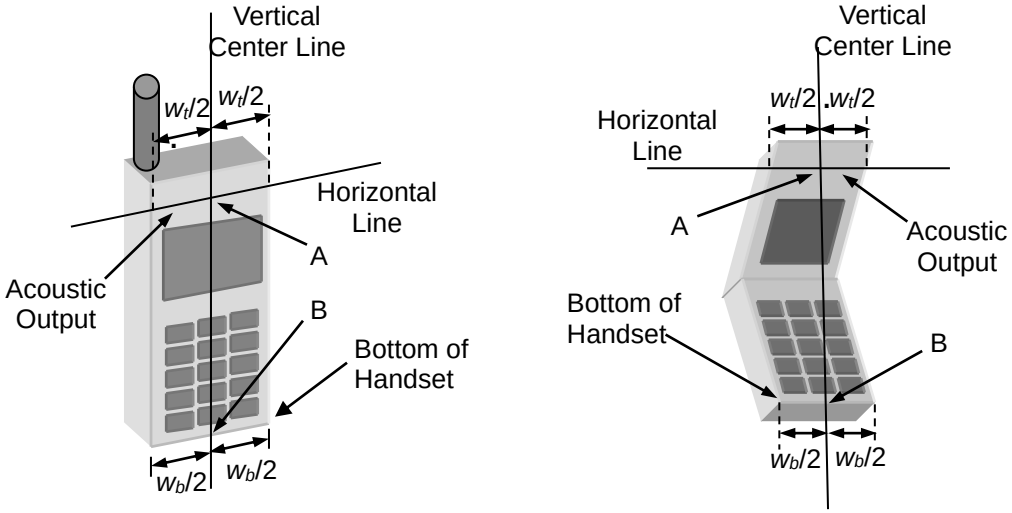


Fig-4.1 Illustration for Handset Vertical and Horizontal Reference Lines

2. Cheek Position

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

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

contact with the ear is lost (see Fig-4.2).

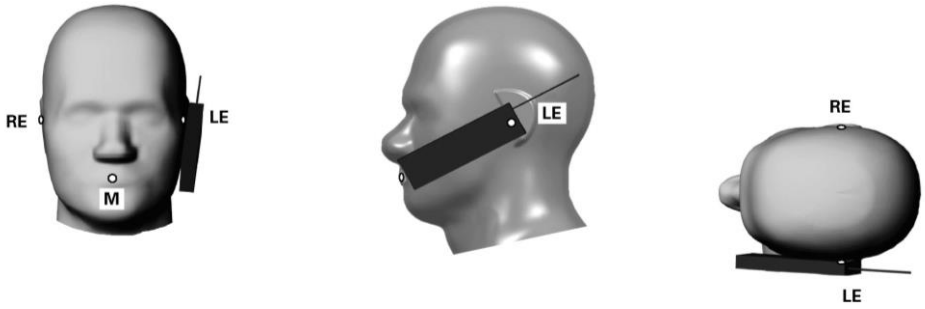


Fig-4.2 Illustration for Cheek Position

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 (see Fig-4.3).

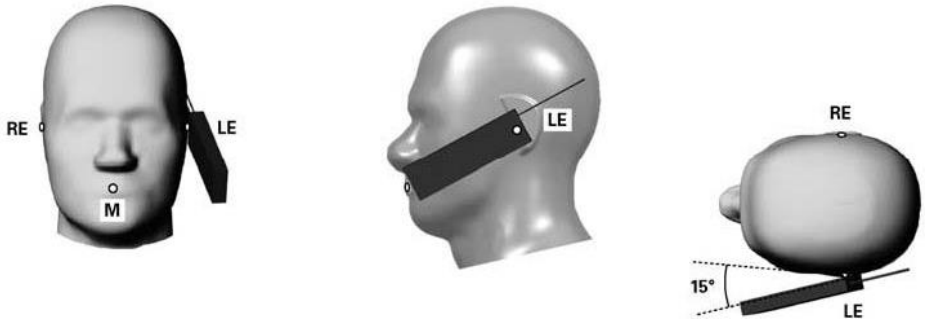


Fig-4.3 Illustration for Tilted Position

4.2.2 Body-worn Accessory Exposure 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 D01 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, measured without a headset connected to the handset, is > 1.2 W/kg, the highest reported SAR configuration for that wireless mode and frequency band should be repeated for that body-worn accessory with a headset attached to the handset.

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.

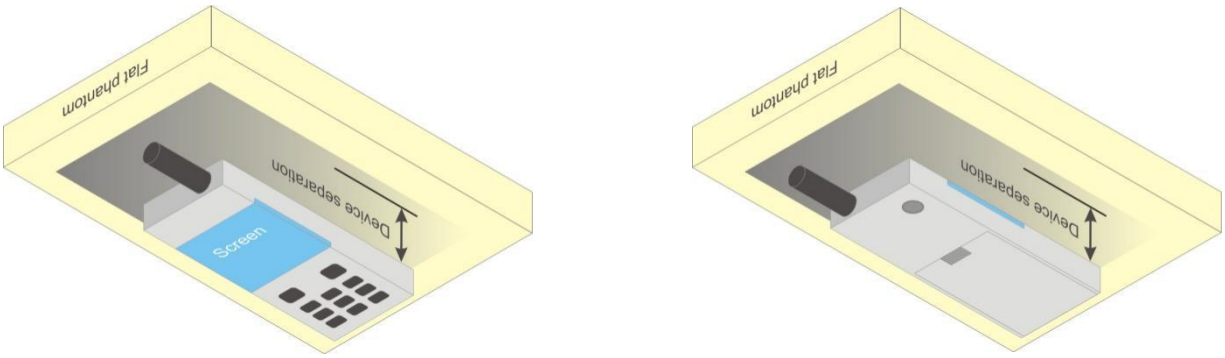
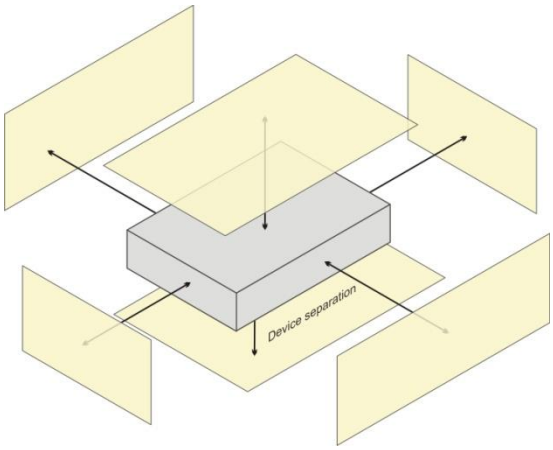


Fig-4.4 Illustration for Body Worn Position

4.2.3 Hotspot Mode Exposure 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 D06. 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).



Based on the antenna location shown on appendix E of this report, the SAR testing required for hotspot mode is listed as below.

Antenna	Front Face	Rear Face	Left Side	Right Side	Top Side	Bottom Side
Antenna 0	V	V	V	V		V
Antenna 1	V	V	V			V
Antenna 2	V	V	V		V	
Antenna 3	V	V	V		V	
Antenna 4	V	V	V		V	
Antenna 5	V	V		V	V	
Antenna 6	V	V		V	V	
Antenna 8	V	V		V	V	
Antenna 9	V	V		V	V	
Antenna 10	V	V		V	V	
Antenna 11	V	V		V	V	

4.2.4 Extremity Exposure Conditions

For smart phones with a display diagonal dimension > 15 cm or an overall diagonal dimension > 16 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, the following phablet procedures should be applied to evaluate SAR compliance for each applicable wireless mode and frequency band. Devices marketed as phablets, regardless of form factors and operating characteristics must be tested as a phablet to determine SAR compliance.

1. The normally required head and body-worn accessory SAR test procedures for handsets, including hotspot mode, must be applied.
2. 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 SAR > 1.2 W/kg. The normal tablet procedures in KDB 616217 are required when the over diagonal dimension of the device is > 20 cm. Hotspot mode SAR is not required when normal tablet procedures are applied. Extremity 10-g SAR is also not required for the front (top) surface of large form factor full size tablets. The more conservative tablet SAR results can be used to support the 10-g extremity SAR for phablet mode.
3. The simultaneous transmission operating configurations applicable to voice and data transmissions for both phone and mini-tablet modes must be taken into consideration separately for 1-g and 10-g SAR to determine the simultaneous transmission SAR test exclusion and measurement requirements for the relevant wireless modes and exposure conditions.

4.2.5 SAR Text Exclusion Evaluations

For NFC：

1. Maximum output power = 2000 mW
2. Duty Cycle = 99%
3. Length of each event = 1 second
4. Events per observation period = 2 times
5. Observation period = 360 seconds

Based on the above data, calculated the time-averaged power: (2000*0.99*1*2)/360 = 11 mW.

According to KDB 447498 D01, the SAR test exclusion condition is based on source-based time-averaged maximum conducted output power, adjusted for tune-up tolerance, and the minimum test separation distance required for the exposure conditions. The SAR exclusion threshold is determined by the following.

Mode	Max. Tune-up Power (mW)	Ant. to Surface (mm)	Exemption limit (mW)	Require SAR Testing?
NFC (13.56MHz)	11	5	442	No

4.3 Tissue Verification

The measuring results for tissue simulating liquid are shown as below.

Test Date	Tissue Type	Frequency (MHz)	Liquid Temp. (℃)	Measured Conductivity (σ)	Measured Permittivity (ε_r)	Target Conductivity (σ)	Target Permittivity (ε_r)	Conductivity Deviation (%)	Permittivity Deviation (%)
Apr. 28, 2024	Head	750	22.3	0.869	42.435	0.89	41.90	-2.36	1.28
Apr. 29, 2024	Head	750	22.3	0.894	42.661	0.89	41.90	0.45	1.82
Apr. 30, 2024	Head	835	22.7	0.911	42.396	0.90	41.50	1.22	2.16
May. 01, 2024	Head	1750	22.6	1.306	41.274	1.37	40.10	-4.67	2.93
May. 02, 2024	Head	1750	22.5	1.347	39.477	1.37	40.10	-1.68	-1.55
May. 03, 2024	Head	1750	22.6	1.362	40.411	1.37	40.10	-0.58	0.78
May. 04, 2024	Head	1900	22.4	1.415	40.018	1.40	40.00	1.07	0.05
May. 05, 2024	Head	1900	22.1	1.441	39.987	1.40	40.00	2.93	-0.03
May. 06, 2024	Head	1900	22.5	1.392	38.639	1.40	40.00	-0.57	-3.40
May. 14, 2024	Head	2450	22.5	1.735	37.854	1.80	39.20	-3.61	-3.43
May. 01, 2024	Head	2600	22.5	1.939	37.785	1.93	38.97	0.47	-3.04
May. 07, 2024	Head	2600	22.4	1.963	38.899	1.96	39.00	0.15	-0.26
May. 08, 2024	Head	2600	22.5	1.889	39.356	1.93	38.97	-2.12	1.00
May. 09, 2024	Head	2600	22.2	1.899	39.604	1.96	39.00	-3.11	1.55
May. 10, 2024	Head	2600	22.1	1.940	39.317	1.96	39.00	-1.02	0.81
May. 11, 2024	Head	2600	22.5	1.890	39.406	1.96	39.00	-3.57	1.04
May. 12, 2024	Head	3500	22.2	2.794	39.129	2.91	37.93	-4.09	3.16
May. 13, 2024	Head	3500	22.3	2.821	39.687	2.91	37.93	-3.16	4.63
May. 14, 2024	Head	3700	2.6	3.010	39.365	3.00	39.28	0.20	0.22
May. 12, 2024	Head	3900	22.2	3.213	39.069	3.21	38.99	0.19	0.20
May. 15, 2024	Head	5250	22.8	4.628	36.245	4.76	35.90	-2.77	0.96
May. 15, 2024	Head	5600	22.8	5.016	35.686	5.27	35.30	-4.82	1.09
May. 15, 2024	Head	5750	22.8	5.124	35.380	5.22	35.36	-1.82	0.06

Note:

The dielectric properties of the tissue simulating liquid must be measured within 24 hours before the SAR testing and within ±5% of the target values. Liquid temperature during the SAR testing must be within ±2 ℃.

4.4 System Verification

The measuring result for system verification is tabulated as below.

<1g>

Test Date	Mode	Frequency (MHz)	1W Target SAR-1g (W/kg)	Measured SAR-1g (W/kg)	Normalized to 1W SAR-1g (W/kg)	Deviation (%)	Dipole S/N	Probe S/N	DAE S/N
Apr. 28, 2024	Head	750	8.45	2.11	8.44	-0.12	1200	3708	546
Apr. 29, 2024	Head	750	8.45	2.07	8.28	-2.01	1200	3708	546
Apr. 30, 2024	Head	835	9.60	2.46	9.84	2.50	4d265	3708	546
May. 01, 2024	Head	1750	36.60	8.94	35.76	-2.30	1176	3708	546
May. 02, 2024	Head	1750	36.60	9.03	36.12	-1.31	1176	3708	546
May. 03, 2024	Head	1750	36.60	9.10	36.40	-0.55	1176	3708	546
May. 04, 2024	Head	1900	39.70	9.55	38.20	-3.78	5d159	3708	546
May. 05, 2024	Head	1900	39.70	9.85	39.40	-0.76	5d159	3708	546
May. 06, 2024	Head	1900	39.70	9.76	39.04	-1.66	5d159	3708	546
May. 14, 2024	Head	2450	52.80	13.50	54.00	2.27	1048	3708	546
May. 01, 2024	Head	2600	55.80	14.30	57.20	2.51	1110	3708	546
May. 07, 2024	Head	2600	55.80	14.50	58.00	3.94	1110	3708	546
May. 08, 2024	Head	2600	55.80	13.80	55.20	-1.08	1110	3708	546
May. 09, 2024	Head	2600	55.80	13.50	54.00	-3.23	1110	3708	546
May. 10, 2024	Head	2600	55.80	14.00	56.00	0.36	1110	3708	546
May. 11, 2024	Head	2600	55.80	13.60	54.40	-2.51	1110	3708	546
May. 12, 2024	Head	3500	65.50	6.33	63.30	-3.36	1111	3708	546
May. 13, 2024	Head	3500	65.50	6.71	67.10	2.44	1111	3708	546
May. 14, 2024	Head	3700	66.80	6.57	65.70	-1.65	1082	3708	546
May. 12, 2024	Head	3900	67.90	6.95	69.50	2.36	1055	3708	546
May. 15, 2024	Head	5250	76.90	7.43	74.30	-3.38	1315	3708	546
May. 15, 2024	Head	5600	81.90	8.42	84.20	2.81	1315	3708	546
May. 15, 2024	Head	5750	76.10	7.48	74.80	-1.71	1315	3708	546

<10g>

Test Date	Mode	Frequency (MHz)	1W Target SAR-10g (W/kg)	Measured SAR-10g (W/kg)	Normalized to 1W SAR-10g (W/kg)	Deviation (%)	Dipole S/N	Probe S/N	DAE S/N
Apr. 28, 2024	Head	750	5.57	1.36	5.44	-2.33	1200	3708	546
Apr. 29, 2024	Head	750	5.57	1.35	5.40	-3.05	1200	3708	546
Apr. 30, 2024	Head	835	6.25	1.58	6.32	1.12	4d265	3708	546
May. 01, 2024	Head	1750	19.20	4.62	18.48	-3.75	1176	3708	546
May. 02, 2024	Head	1750	19.20	4.83	19.32	0.63	1176	3708	546
May. 03, 2024	Head	1750	19.20	4.88	19.52	1.67	1176	3708	546
May. 04, 2024	Head	1900	20.30	4.92	19.68	-3.05	5d159	3708	546
May. 05, 2024	Head	1900	20.30	5.13	20.52	1.08	5d159	3708	546
May. 06, 2024	Head	1900	20.30	5.03	20.12	-0.89	5d159	3708	546
May. 14, 2024	Head	2450	24.20	6.22	24.88	2.81	1048	3708	546
May. 01, 2024	Head	2600	24.60	6.34	25.36	3.09	1110	3708	546
May. 07, 2024	Head	2600	24.60	6.41	25.64	4.23	1110	3708	546
May. 08, 2024	Head	2600	24.60	6.23	24.92	1.30	1110	3708	546
May. 09, 2024	Head	2600	24.60	6.05	24.20	-1.63	1110	3708	546
May. 10, 2024	Head	2600	24.60	6.18	24.72	0.49	1110	3708	546
May. 11, 2024	Head	2600	24.60	5.98	23.92	-2.76	1110	3708	546
May. 12, 2024	Head	3500	24.70	2.39	23.90	-3.24	1111	3708	546
May. 13, 2024	Head	3500	24.70	2.53	25.30	2.43	1111	3708	546
May. 14, 2024	Head	3700	24.40	2.41	24.10	-1.23	1082	3708	546
May. 12, 2024	Head	3900	23.70	2.43	24.30	2.53	1055	3708	546
May. 15, 2024	Head	5250	22.10	2.14	21.40	-3.17	1315	3708	546
May. 15, 2024	Head	5600	23.50	2.41	24.10	2.55	1315	3708	546
May. 15, 2024	Head	5750	21.70	2.14	21.40	-1.38	1315	3708	546

Note:

Comparing to the reference SAR value provided by SPEAG, the validation data should be within its specification of 10 %. The result indicates the system check can meet the variation criterion and the plots can be referred to Appendix A of this report.

4.5 Maximum Output Power

4.5.1 Maximum Conducted Power

The maximum conducted average power (Unit: dBm) including tune-up tolerance please refer to Appendix D.

4.5.2 Measured Conducted Power Result

The measuring conducted average power (Unit: dBm) please refer to Appendix D.

4.6 SAR Testing Results

4.6.1 SAR Test Reduction Considerations

<KDB 447498 D04, General RF Exposure Guidance>

Testing of other required channels within the operating mode of a frequency band is not required when the reported SAR for the mid-band or highest output power channel is:

(1) ≤ 0.8 W/kg or 2.0 W/kg, for 1-g or 10-g respectively, when the transmission band is ≤ 100 MHz

(2) ≤ 0.6 W/kg or 1.5 W/kg, for 1-g or 10-g respectively, when the transmission band is between 100 MHz and 200 MHz

(3) ≤ 0.4 W/kg or 1.0 W/kg, for 1-g or 10-g respectively, when the transmission band is ≥ 200 MHz

<KDB 941225 D01, 3G SAR Measurement Procedures>

The mode tested for SAR is referred to as the primary mode. The equivalent modes considered for SAR test reduction are denoted as secondary modes. Both primary and secondary modes must be in the same frequency band. When the maximum output power and tune-up tolerance specified for production units in a secondary mode is ≤ 1/4 dB higher than the primary mode or when the highest reported SAR of the primary mode is scaled by the ratio of specified maximum output power and tune-up tolerance of secondary to primary mode and the adjusted SAR is ≤ 1.2 W/kg, SAR measurement is not required for the secondary mode.

<KDB 941225 D05, SAR Evaluation Considerations for LTE Devices>

(1) QPSK with 1 RB and 50% RB allocation

Start with the largest channel bandwidth and measure SAR, using the RB offset and required test channel combination with the highest maximum output power among RB offsets at the upper edge, middle and lower edge of each required test channel. When the reported SAR is ≤ 0.8 W/kg, testing of the remaining RB offset configurations and required test channels is not required; otherwise, SAR is required for the remaining required test channels and only for the RB offset configuration with the highest output power for that channel. When the reported SAR of a required test channel is > 1.45 W/kg, SAR is required for all three RB offset configurations for that required test channel.

(2) QPSK with 100% RB allocation

SAR is not required when the highest maximum output power for 100% RB allocation is less than the highest maximum output power in 50% and 1 RB allocations and the highest reported SAR for 1 RB and 50% RB allocation are ≤ 0.8 W/kg. Otherwise, SAR is measured for the highest output power channel; and if the reported SAR is > 1.45 W/kg, the remaining required test channels must also be tested.

(3) Higher order modulations

SAR is required only when the highest maximum output power for the configuration in the higher order modulation is > 1/2 dB higher than the same configuration in QPSK or when the reported SAR for the QPSK configuration is >

1.45 W/kg.

(4) Other channel bandwidth

SAR is required when the highest maximum output power of the smaller channel bandwidth is > 1/2 dB higher than the equivalent channel configurations in the largest channel bandwidth configuration or the reported SAR of a configuration for the largest channel bandwidth is > 1.45 W/kg.

<KDB 941225 D05, SAR Evaluation Considerations for 5G NR Devices>

1) For DFT-OFDM and CP-OFDM output power measurement reduction, according to 38.101 maximum power reduction for power class2 and 3, the CP-OFDM mode will not higher than DFT-OFDM mode, therefore, similar FCC KB 941225 D05 procedure for other modulation output power for each RB allocation configuration is > not ½ dB higher than the same configuration in DFT-QPSK and the reported SAR for the DFT-QPSK configuration is ≤ 1.45 W/kg; CP-OFDM testing is not required.
2) For DFT-OFDM output power measurement reduction, according to 38.101 maximum power reduction for power class2 and 3, for 16QAM/64QAM/256QAM and smaller bandwidth output power will spot check largest channel bandwidth worst RB configuration to ensure the 16QAM/64QAM/256QAM and smaller bandwidth output power will not ½ dB higher than the same configuration in the largest supported bandwidth.
3) SAR testing start with the largest channel bandwidth and measure SAR for QPSK with 1 RB allocation, using the RB offset and required test channel combination with the highest maximum output power for RB offset at the upper edge, middle and lower edge of each required test channel.
4) 50% RB allocation for QPSK SAR testing follows 1RB QPSK allocation procedure.
5) QPSK with 100% RB allocation, SAR is not required when the highest maximum output power for 100 % RB allocation is less than the highest maximum output power in 50% and 1 RB allocations and the highest reported SAR for 1 RB and 50% RB allocation are ⩽ 0.8 W/kg. Otherwise, SAR is measured for the highest output power channel, and if the reported SAR is > 1.45 W/kg, the remaining required test channels must also be tested.
6) PI/2 BPSK/16QAM/64QAM/256QAM output powers according to 3GPP MPR will not ½ dB higher than the same configuration in QPSK, also reported SAR for the QPSK configuration is less than 1.45 W/kg, PI/2 BPSK/16QAM/64QAM/256QAM SAR testing are not required.
7) Smaller bandwidth output power for each RB allocation configuration for this device will not. ½ dB higher than the same configuration in the largest supported bandwidth, and the reported SAR for the largest supported bandwidth is ≤ 1.45 W/kg, smaller bandwidth SAR testing is not required for this device.

<KDB 248227 D01, SAR Guidance for Wi-Fi Transmitters>

(1) For handsets operating next to ear, hotspot mode or mini-tablet configurations, the initial test position procedures were applied. The test position with the highest extrapolated peak SAR will be used as the initial test position. When the reported SAR of initial test position is <= 0.4 W/kg, SAR testing for remaining test positions is not required. Otherwise, SAR is evaluated at the subsequent highest peak SAR positions until the reported SAR result is <= 0.8 W/kg or all test positions are measured.

(2) For WLAN 2.4 GHz, the highest measured maximum output power channel for DSSS was selected for SAR measurement. When the reported SAR is <= 0.8 W/kg, no further SAR testing is required. Otherwise, SAR is evaluated at the next highest measured output power channel. When any reported SAR is > 1.2 W/kg, SAR is required for the third channel. For OFDM modes (802.11g/n), SAR is not required when the highest reported SAR for DSSS is adjusted by the ratio of OFDM to DSSS specified maximum output power and it is <= 1.2

W/kg.

(3) For WLAN 5 GHz, the initial test configuration was selected according to the transmission mode with the highest maximum output power. When the reported SAR of initial test configuration is > 0.8 W/kg, SAR is required for the subsequent highest measured output power channel until the reported SAR result is <= 1.2 W/kg or all required channels are measured. For other transmission modes, SAR is not required when the highest reported SAR for initial test configuration is adjusted by the ratio of subsequent test configuration to initial test configuration specified maximum output power and it is <= 1.2 W/kg.

(4) For WLAN MIMO mode, the power-based standalone SAR test exclusion or the sum of SAR provision in KDB 447498 to determine simultaneous transmission SAR test exclusion should be applied. Otherwise, SAR for MIMO mode will be measured with all applicable antennas transmitting simultaneously at the specified maximum output power of MIMO operation.

4.6.2 SAR Results for Head Exposure Condition

The SAR Results for Head Exposure Condition please refer to Appendix E.

4.6.3 SAR Results for Body-worn Exposure Condition (Separation Distance is 1.0 cm Gap)

The SAR Results for Body-worn Exposure Condition please refer to Appendix E.

4.6.4 SAR Results for Hotspot Exposure Condition (Separation Distance is 1.0 cm Gap)

The SAR Results for Hotspot Exposure Condition please refer to Appendix E.

4.6.5 SAR Results for Trigger distance Exposure Condition

The SAR Results for Trigger distance Exposure Condition please refer to Appendix E.

4.6.6 SAR Results for Extremity Exposure Condition (Separation Distance is 0 cm Gap)

The SAR Results for Extremity Exposure Condition please refer to Appendix E.

Note：When the hotspot SAR is adjusted for maximum tune-up tolerance and the result is <1.2W/kg, the extremity SAR is not required.

4.6.7 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.

Band	Test Position	Ch.	Original Measured SAR-1g (W/kg)	1st Repeated SAR-1g (W/kg)	L/S Ratio	2nd Repeated SAR-1g (W/kg)	L/S Ratio	3rd Repeated SAR-1g (W/kg)	L/S Ratio
GSM1900	Right Tilted	810	0.766	0.735	1.04	N/A	N/A	N/A	N/A
NR n66	Right Tilted	354000	0.824	0.803	1.03	N/A	N/A	N/A	N/A
NR n38	Right Cheek	519000	0.734	0.698	1.05	N/A	N/A	N/A	N/A
NR n77	Left Cheek	633334	0.808	0.766	1.05	N/A	N/A	N/A	N/A
NR n78	Left Tilted	633334	1.09	1.03	1.06	N/A	N/A	N/A	N/A

Band	Test Position 10mm	Ch.	Original Measured SAR-1g (W/kg)	1st Repeated SAR-1g (W/kg)	L/S Ratio	2nd Repeated SAR-1g (W/kg)	L/S Ratio	3rd Repeated SAR-1g (W/kg)	L/S Ratio
GSM1900	Top Side	810	0.849	0.812	1.05	N/A	N/A	N/A	N/A
WCDMA IV	Bottom Side	1312	0.682	0.631	1.08	N/A	N/A	N/A	N/A
LTE 7	Left Side	20850	0.928	0.912	1.02	N/A	N/A	N/A	N/A
NR n48	Top Side	641666	0.663	0.607	1.09	N/A	N/A	N/A	N/A
NR n77	Top Side	633334	0.614	0.599	1.03	N/A	N/A	N/A	N/A
NR n78	Top Side	633334	0.841	0.812	1.04	N/A	N/A	N/A	N/A

Band	Test Position 0mm	Ch.	Original Measured SAR-10g (W/kg)	1st Repeated SAR-10g (W/kg)	L/S Ratio	2nd Repeated SAR-10g (W/kg)	L/S Ratio	3rd Repeated SAR-10g (W/kg)	L/S Ratio
NR n7	Left Side	512000	2.15	2.09	1.03	N/A	N/A	N/A	N/A
NR n48	Top Side	645332	1.96	1.9	1.03	N/A	N/A	N/A	N/A
NR n77	Top Side	633334	2.12	2.08	1.02	N/A	N/A	N/A	N/A

4.6.8 Simultaneous Multi-band Transmission Evaluation

The simultaneous transmission possibilities for this device are listed as below.

Simultaneous TX Combination	Capable Transmit Configurations	Head	Body worn	Hotspot	Extremity
1	WWAN + WLAN2.4GHz Ant9+10	Yes	Yes	Yes	Yes
2	WWAN + WLAN5GHz Ant8+11 + BT Ant9	Yes	Yes	Yes	Yes
3	WWAN + WLAN5GHz Ant8+11 + BT Ant10	Yes	Yes	Yes	Yes
4	WWAN + WLAN6GHz Ant8+11 + BT Ant9	Yes	Yes	Yes	Yes
5	WWAN + WLAN6GHz Ant8+11 + BT Ant10	Yes	Yes	Yes	Yes

<SAR Summation Analysis>

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 SPLSR.

<Total Exposure Ratio Analysis>

The fields generated by the antennas can be correlated or uncorrelated. At different frequencies, fields are always uncorrelated, and the aggregate power density contributions can be summed according to spatially averaged values of corresponding sources at any point in space, r, to determine the total exposure ratio (TER). Assuming I sources, the TER at each point in space is equal to

$$\mathrm{TER}^{\mathrm{uncorr}}(\mathrm{r}) = \sum_{\mathrm{i}=1}^{\mathrm{I}} \mathrm{ER}_{\mathrm{i}} = \sum_{\mathrm{i}=1}^{\mathrm{I}} \frac{\mathrm{S}_{\mathrm{av,i}}(\mathrm{r}, \mathrm{f}_{\mathrm{i}})}{\mathrm{S}_{\mathrm{lim}}(\mathrm{f}_{\mathrm{i}})}$$

where $S_{av,i}$ is the power density for the source i operating at a frequency f_i, and S_{lim} is the power density limit as specified by the relevant standard.

Exposure from transmitters operating above and below 6 GHz, where 6 GHz denotes the transition frequency where the basic restrictions change from being defined in terms of SAR to being defined in terms of power density, are therefore uncorrelated and the TER is determined as

$$\mathrm{TER}^{\mathrm{uncorr}}(\mathrm{r}) = \mathrm{TER}(\mathrm{r})_{\mathrm{f}\leq 6\mathrm{GHz}} + \mathrm{TER}(\mathrm{r})_{\mathrm{f}>6GHz}$$

According to the IEC TR 63170, the total exposure ratio calculated by taking ratio of maximum reported SAR divided by SAR limit and adding it to maximum measured power density divided by power density limit. Numerical sum of the ratios should be less than 1. The TER analysis for this device is listed as below.

Note:

For the SAR of WLAN 6G in the simultaneous transmission evaluation, please refer to the WLAN 6G SAR test report (Report Number: SRTC2024-9004(F)-24041101(H), Issued By: The State Radio_monitoring_center Testing Center (SRTC))

For the PD of WLAN 6G in the above simultaneous transmission evaluation, please refer to the WLAN 6G PD test report (Report Number: SRTC2024-9004(F)-24041101(U), Issued By: The State Radio_monitoring_center Testing Center (SRTC))

The detailed sim-Tx analysis please refer to Appendix F.

Test Engineer：Renjie Liu, and Zixiao Xia.

4. Calibration of Test Equipment

Equipment	Manufacturer	Model	SN	Cal. Date	Cal. Interval
System Validation Dipole	SPEAG	D750V3	1200	Oct. 27, 2021	3 Years
System Validation Dipole	SPEAG	D835V2	4d265	Oct. 18, 2021	3 Years
System Validation Dipole	SPEAG	D1750V2	1176	Oct. 19, 2021	3 Years
System Validation Dipole	SPEAG	D1900V2	5d159	Sep. 16, 2021	3 Years
System Validation Dipole	SPEAG	D2450V2	1048	Oct. 21, 2021	3 Years
System Validation Dipole	SPEAG	D2600V2	1110	Sep. 16, 2021	3 Years
System Validation Dipole	SPEAG	D3500V2	1111	Oct. 21, 2021	3 Years
System Validation Dipole	SPEAG	D3700V2	1082	Oct. 20, 2021	3 Years
System Validation Dipole	SPEAG	D3900V2	1055	Oct. 25, 2021	3 Years
System Validation Dipole	SPEAG	D5GHzV2	1315	Oct. 22, 2021	3 Years
Data Acquisition Electronics	SPEAG	DAE4	546	Sep. 14, 2023	1 Year
Dosimetric E-Field Probe	SPEAG	EX3DV4	3708	Oct. 30, 2023	1 Year
Radio Communication Analyzer	ANRITSU	MT8821C	6272416925	Aug. 26, 2022	2 Year
Magnetic Field Probe	SPEAG	DAK-3.5	1119	Feb. 19, 2024	1 Year
ENA Series Network Analyzer	SPEAG	DAKS_VNA R140	0121219	Feb. 19, 2024	1 Year
Spectrum Analyzer	KEYSIGHT	N9010A	MY54510355	May. 10, 2023	1 Year
MXG Analog Signal Generator	KEYSIGHT	N5183A	MY50143024	Jan. 31, 2024	1 Year
Power Meter	Agilent	N1914A	MY52180044	Jan. 30, 2024	1 Year
Power Sensor	Agilent	E9304A H18	MY52050011	Jan. 30, 2024	1 Year
Power Meter	ANRITSU	ML2495A	1506002	Jan. 30, 2024	1 Year
Power Sensor	ANRITSU	MA2411B	1339352	Jan. 30, 2024	1 Year
Coupler	Woken	0110A056020-10	COM27RW1A3	May. 09, 2024	1 Year
Temp.&Humi.Recorder	ANYMETER	JR912	SZ01	Jun. 19, 2022	2 Years

Note:

1. Referring to KDB 865664 D01 v01r04, the dipole calibration interval can be extended to 3 years with justification. The dipole are also not physically damaged, or repaired during the interval. The dipole justification can be found in appendix C.
   The return loss is ＜ -20dB, within 20% of prior calibration, the impedance is with 5ohm of prior calibration.

5. Measurement Uncertainty

DASY6 Uncertainty Budget According to IEEE 1528-2013 and IEC 62209-1/2016 (0.3 - 3 GHz range)								
Error Description	**Uncertainty Value (±%)**	**Probability**	**Divisor**	**(Ci) 1g**	**(Ci) 10g**	**Standard Uncertainty (1g) (±%)**	**Standard Uncertainty (10g) (±%)**	**(Vi) Veff**
Measurement System								
Probe Calibration	6.05	N	1	1	1	6.1	6.1	∞
Axial Isotropy	4.7	R	1.732	0.7	0.7	1.9	1.9	∞
Hemispherical Isotropy	9.6	R	1.732	0.7	0.7	3.9	3.9	∞
Boundary Effects	2.0	R	1.732	1	1	1.2	1.2	∞
Linearity	4.7	R	1.732	1	1	2.7	2.7	∞
System Detection Limits	1.0	R	1.732	1	1	0.6	0.6	∞
Modulation Response	3.2	R	1.732	1	1	1.8	1.8	∞
Readout Electronics	0.3	N	1	1	1	0.3	0.3	∞
Response Time	0.0	R	1.732	1	1	0.0	0.0	∞
Integration Time	2.6	R	1.732	1	1	1.5	1.5	∞
RF Ambient Noise	3.0	R	1.732	1	1	1.7	1.7	∞
RF Ambient Reflections	3.0	R	1.732	1	1	1.7	1.7	∞
Probe Positioner	0.4	R	1.732	1	1	0.2	0.2	∞
Probe Positioning	6.7	R	1.732	1	1	3.9	3.9	∞
Max. SAR Eval.	4.0	R	1.732	1	1	2.3	2.3	∞
Test Sample Related								
Device Positioning	4.0	N	1	1	1	4.0	4.0	35
Device Holder	4.9	N	1	1	1	4.9	4.9	12
Power Drift	5.0	R	1.732	1	1	2.9	2.9	∞
Power Scaling	0.0	R	1.732	1	1	0.0	0.0	∞
Phantom and Setup								
Phantom Uncertainty	6.6	R	1.732	1	1	3.8	3.8	∞
SAR correction	0.0	R	1.732	1	0.84	0.0	0.0	∞
Liquid Conductivity Repeatability	0.14	N	1	0.78	0.71	0.1	0.1	5
Liquid Conductivity (target)	10.0	R	1.732	0.78	0.71	4.5	4.1	∞
Liquid Conductivity (mea.)	2.5	R	1.732	0.78	0.71	1.1	1.0	∞
Temp. unc. - Conductivity	2.61	R	1.732	0.78	0.71	1.2	1.1	∞
Liquid Permittivity Repeatability	0.03	N	1	0.23	0.26	0.0	0.0	5
Liquid Permittivity (target)	10.0	R	1.732	0.23	0.26	1.3	1.5	∞
Liquid Permittivity (mea.)	2.5	R	1.732	0.23	0.26	0.3	0.4	∞
Temp. unc. - Permittivity	1.78	R	1.732	0.23	0.26	0.2	0.3	∞
Combined Std. Uncertainty						13.6%	13.5%	578
Coverage Factor for 95 %						K=2	K=2	
Expanded STD Uncertainty						27.2%	26.9%	

Uncertainty budget for frequency range 300 MHz to 3 GHz

DASY6 Uncertainty Budget According to IEC 62209-2/2010 (30 MHz - 6 GHz range)								
Error Description	**Uncertainty Value (±%)**	**Probability**	**Divisor**	**(Ci) 1g**	**(Ci) 10g**	**Standard Uncertainty (1g) (±%)**	**Standard Uncertainty (10g) (±%)**	**(Vi) Veff**
Measurement System								
Probe Calibration	6.65	N	1	1	1	6.7	6.7	∞
Axial Isotropy	4.7	R	1.732	0.7	0.7	1.9	1.9	∞
Hemispherical Isotropy	9.6	R	1.732	0.7	0.7	3.9	3.9	∞
Boundary Effects	2.0	R	1.732	1	1	1.2	1.2	∞
Linearity	4.7	R	1.732	1	1	2.7	2.7	∞
System Detection Limits	1.0	R	1.732	1	1	0.6	0.6	∞
Modulation Response	3.2	R	1.732	1	1	1.8	1.8	∞
Readout Electronics	0.3	N	1	1	1	0.3	0.3	∞
Response Time	0.0	R	1.732	1	1	0.0	0.0	∞
Integration Time	2.6	R	1.732	1	1	1.5	1.5	∞
RF Ambient Noise	3.0	R	1.732	1	1	1.7	1.7	∞
RF Ambient Reflections	3.0	R	1.732	1	1	1.7	1.7	∞
Probe Positioner	0.4	R	1.732	1	1	0.2	0.2	∞
Probe Positioning	6.7	R	1.732	1	1	3.9	3.9	∞
Max. SAR Eval.	4.0	R	1.732	1	1	2.3	2.3	∞
Test Sample Related								
Device Positioning	4.3	N	1	1	1	4.3	4.3	35
Device Holder	4.9	N	1	1	1	4.9	4.9	12
Power Drift	5.0	R	1.732	1	1	2.9	2.9	∞
Power Scaling	0.0	R	1.732	1	1	0.0	0.0	∞
Phantom and Setup								
Phantom Uncertainty	6.6	R	1.732	1	1	3.8	3.8	∞
SAR correction	0.0	R	1.732	1	0.84	0.0	0.0	∞
Liquid Conductivity Repeatability	0.16	N	1	0.78	0.71	0.1	0.1	5
Liquid Conductivity (target)	10.0	R	1.732	0.78	0.71	4.5	4.1	∞
Liquid Conductivity (mea.)	2.5	R	1.732	0.78	0.71	1.1	1.0	∞
Temp. unc. - Conductivity	3.64	R	1.732	0.78	0.71	1.6	1.5	∞
Liquid Permittivity Repeatability	0.08	N	1	0.23	0.26	0.0	0.0	5
Liquid Permittivity (target)	10.0	R	1.732	0.23	0.26	1.3	1.5	∞
Liquid Permittivity (mea.)	2.5	R	1.732	0.23	0.26	0.3	0.4	∞
Temp. unc. - Permittivity	1.78	R	1.732	0.23	0.26	0.2	0.3	∞
Combined Std. Uncertainty						14.0%	13.9%	624
Coverage Factor for 95 %						K=2	K=2	
Expanded STD Uncertainty						28.0%	27.7%	

Uncertainty budget for frequency range 30 MHz to 6 GHz

6. Information on the Testing Laboratories

We, Huarui Saiwei (Suzhou) Technology Co., LTD., were founded in 2020 to provide our best service in EMC, Radio, Telecom and Safety consultation.

If you have any comments, please feel free to contact us at the following:

Add: Tower N, Innovation Center, 88 Zuyi Road, High-tech District, Suzhou City, Anhui Province
Tel: +86 (0557) 368 1008

The road map of all our labs can be found in our web site also
Web: http://www.7Layers.com

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Appendix A. SAR Plots of System Verification

The plots for system verification with largest deviation for each SAR system combination are shown as follows.

Test Laboratory: ritt 7 Layers SAR/HAC Testing Lab Date: 2024/04/28

System Check_HSL750_240428

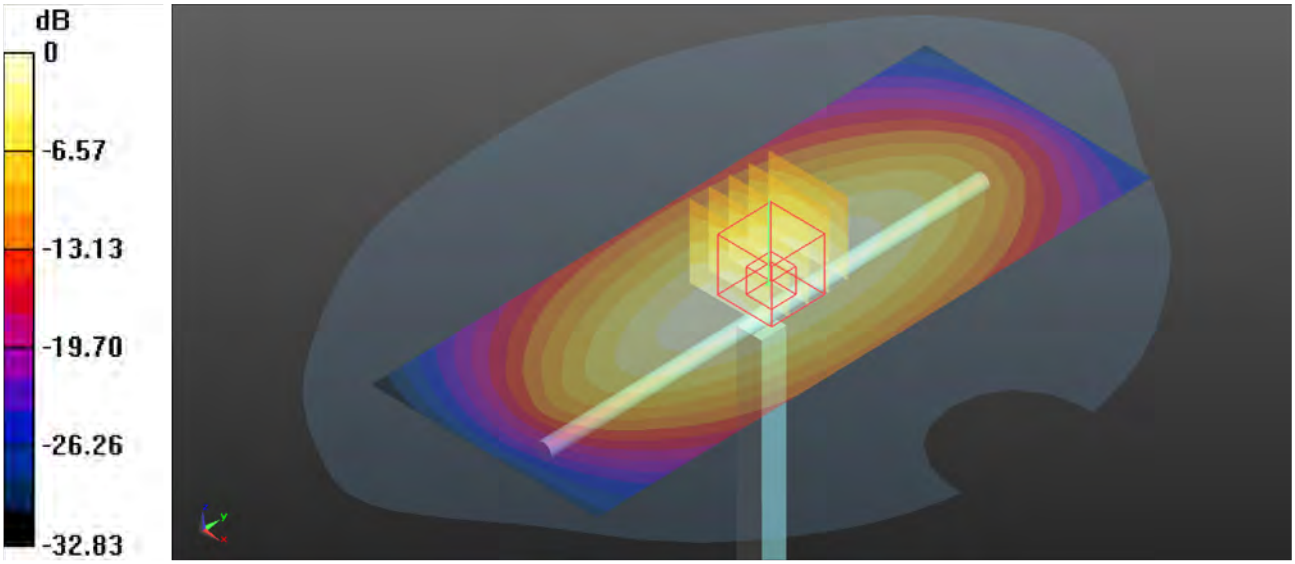
DUT: Dipole 750 MHz; Type: D750V3

Communication System: CW; Frequency: 750 MHz;Duty Cycle: 1:1
Medium: HSL750_0428 Medium parameters used: f = 750 MHz; σ = 0.869 S/m; ε_r = 42.435; ρ = 1000 kg/m^3
Ambient Temperature：23.2℃; Liquid Temperature：22.3℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3708; ConvF(9.34, 9.34, 9.34) @ 750 MHz; Calibrated: 2023/10/30
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn546; Calibrated: 2023/09/14
- Phantom: SAM Right ; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Pin=250mW/Area Scan (61x151x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 2.20 W/kg

Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 50.65 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 3.04 W/kg
SAR(1 g) = 2.11 W/kg; SAR(10 g) = 1.36 W/kg
Smallest distance from peaks to all points 3 dB below = 22.7 mm
Ratio of SAR at M2 to SAR at M1 = 67.1%
Maximum value of SAR (measured) = 2.19 W/kg



0 dB = 2.19 W/kg

Test Laboratory: ritt 7 Layers SAR/HAC Testing Lab Date: 2024/04/29

System Check_HSL750_240429

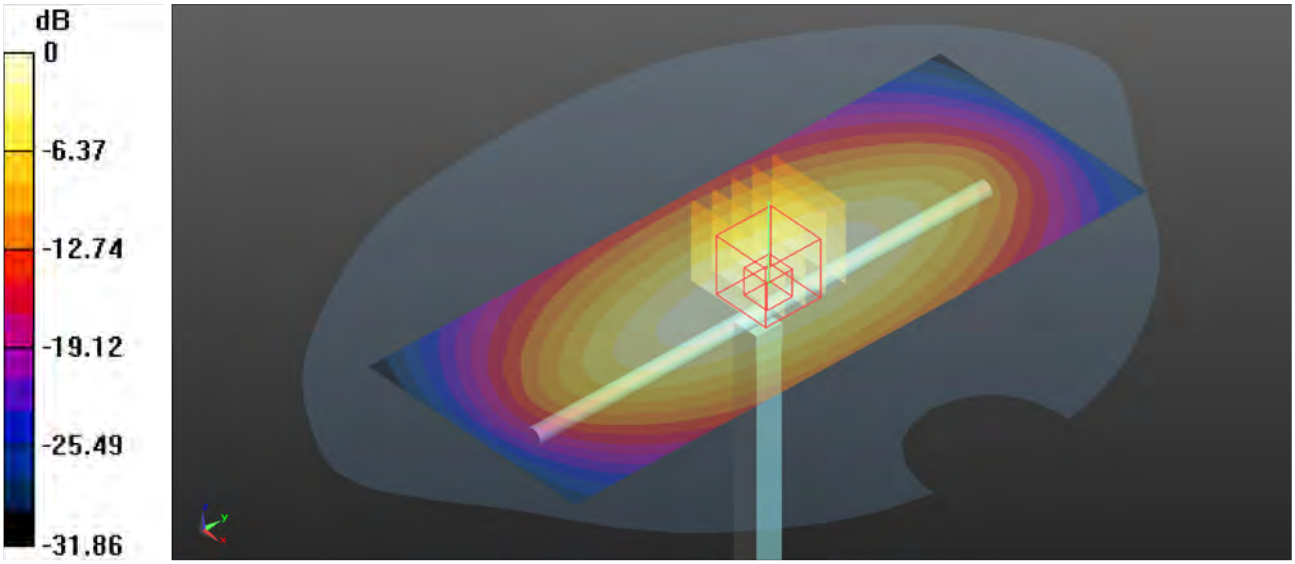
DUT: Dipole 750 MHz; Type: D750V3

Communication System: CW; Frequency: 750 MHz;Duty Cycle: 1:1
Medium: HSL750_0429 Medium parameters used: f = 750 MHz; σ = 0.894 S/m; ε_r = 42.661; ρ = 1000 kg/m^3
Ambient Temperature：23.1℃; Liquid Temperature：22.3℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3708; ConvF(9.34, 9.34, 9.34) @ 750 MHz; Calibrated: 2023/10/30
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn546; Calibrated: 2023/09/14
- Phantom: SAM Right ; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Pin=250mW/Area Scan (61x151x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 2.19 W/kg

Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 50.22 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 3.00 W/kg
SAR(1 g) = 2.07 W/kg; SAR(10 g) = 1.35 W/kg
Smallest distance from peaks to all points 3 dB below = 23.8 mm
Ratio of SAR at M2 to SAR at M1 = 67.8%
Maximum value of SAR (measured) = 2.21 W/kg



0 dB = 2.21 W/kg

Test Laboratory: ritt 7 Layers SAR/HAC Testing Lab Date: 2024/04/30

System Check_HSL835_240430

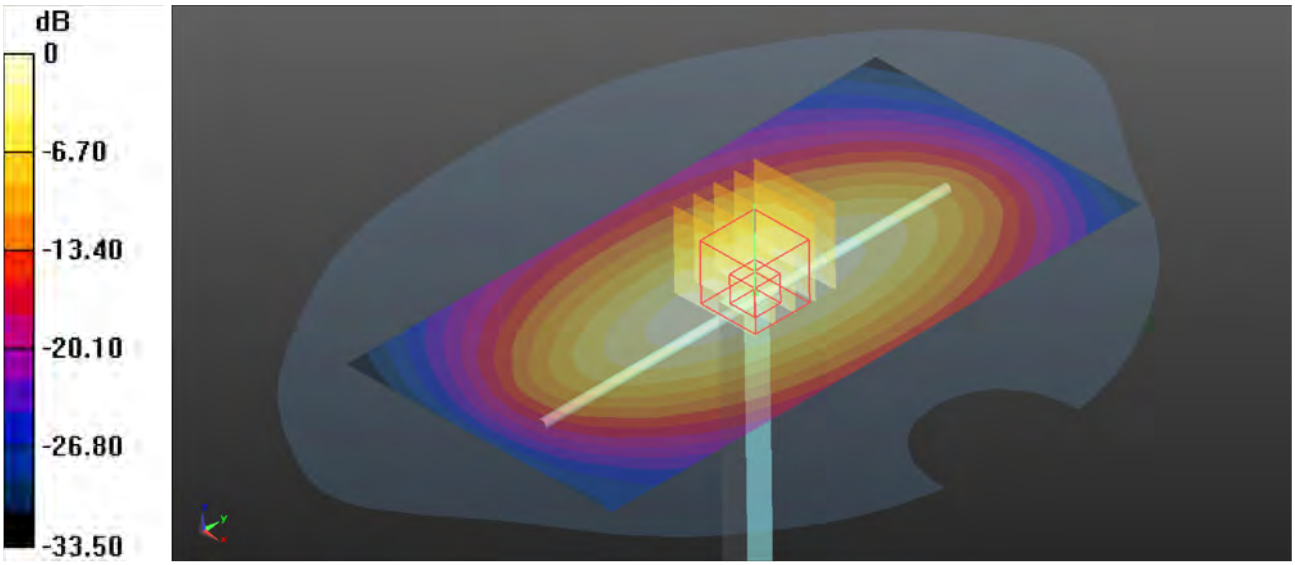
DUT: Dipole 835 MHz; Type: D835V2

Communication System: CW; Frequency: 835 MHz;Duty Cycle: 1:1
Medium: HSL835_0430 Medium parameters used: f = 835 MHz; σ = 0.911 S/m; ε_r = 42.396; ρ = 1000 kg/m^3
Ambient Temperature：23.4℃; Liquid Temperature：22.7℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3708; ConvF(9.23, 9.23, 9.23) @ 835 MHz; Calibrated: 2023/10/30
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn546; Calibrated: 2023/09/14
- Phantom: SAM Right ; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Pin=250mW/Area Scan (71x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 2.72 W/kg

Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 54.70 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 3.80 W/kg
SAR(1 g) = 2.46 W/kg; SAR(10 g) = 1.58 W/kg
Smallest distance from peaks to all points 3 dB below = 19.5 mm
Ratio of SAR at M2 to SAR at M1 = 67%
Maximum value of SAR (measured) = 2.71 W/kg



0 dB = 2.71 W/kg

System Check_HSL1750_240501

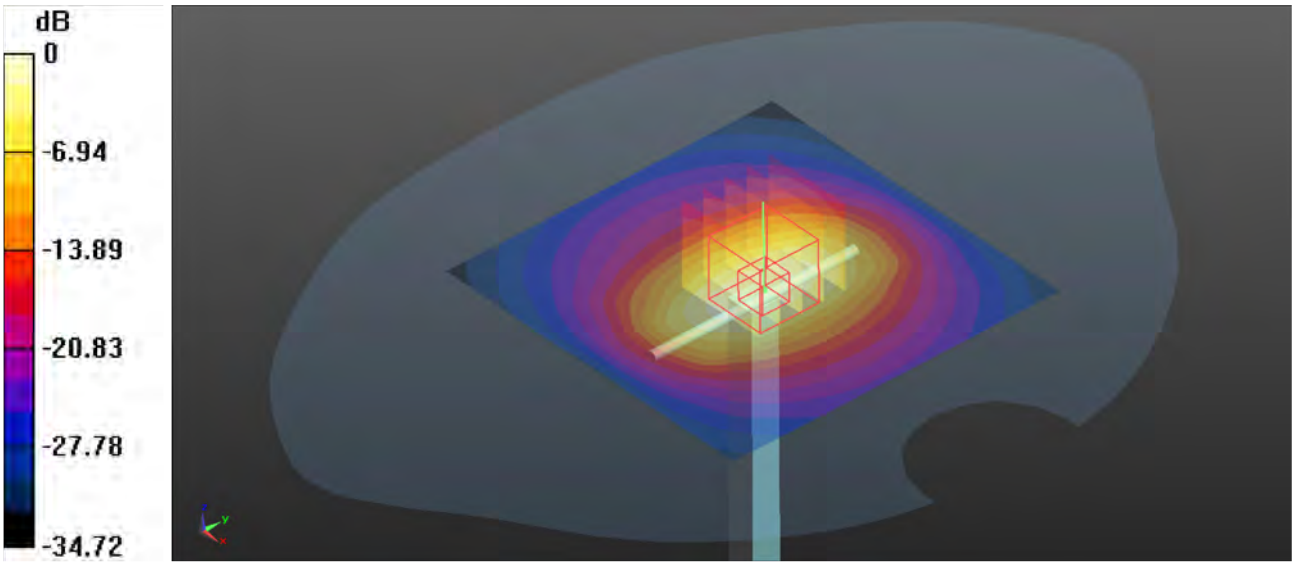
DUT: Dipole 1750 MHz; Type: D1750V2

Communication System: CW; Frequency: 1750 MHz;Duty Cycle: 1:1
Medium: HSL1750_0501 Medium parameters used: f = 1750 MHz; σ = 1.306 S/m; ε_r = 41.274; ρ = 1000 kg/m^3
Ambient Temperature：23.5℃; Liquid Temperature：22.6℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3708; ConvF(8.38, 8.38, 8.38) @ 1750 MHz; Calibrated: 2023/10/30
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn546; Calibrated: 2023/09/14
- Phantom: SAM Right ; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Pin=250mW/Area Scan (81x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 9.20 W/kg

Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 80.45 V/m; Power Drift = -0.13 dB
Peak SAR (extrapolated) = 14.7 W/kg
SAR(1 g) = 8.94 W/kg; SAR(10 g) = 4.62 W/kg
Smallest distance from peaks to all points 3 dB below = 11.6 mm
Ratio of SAR at M2 to SAR at M1 = 57.2%
Maximum value of SAR (measured) = 9.33 W/kg



0 dB = 9.33 W/kg

Test Laboratory: ritt 7 Layers SAR/HAC Testing Lab Date: 2024/05/02

System Check_HSL1750_240502

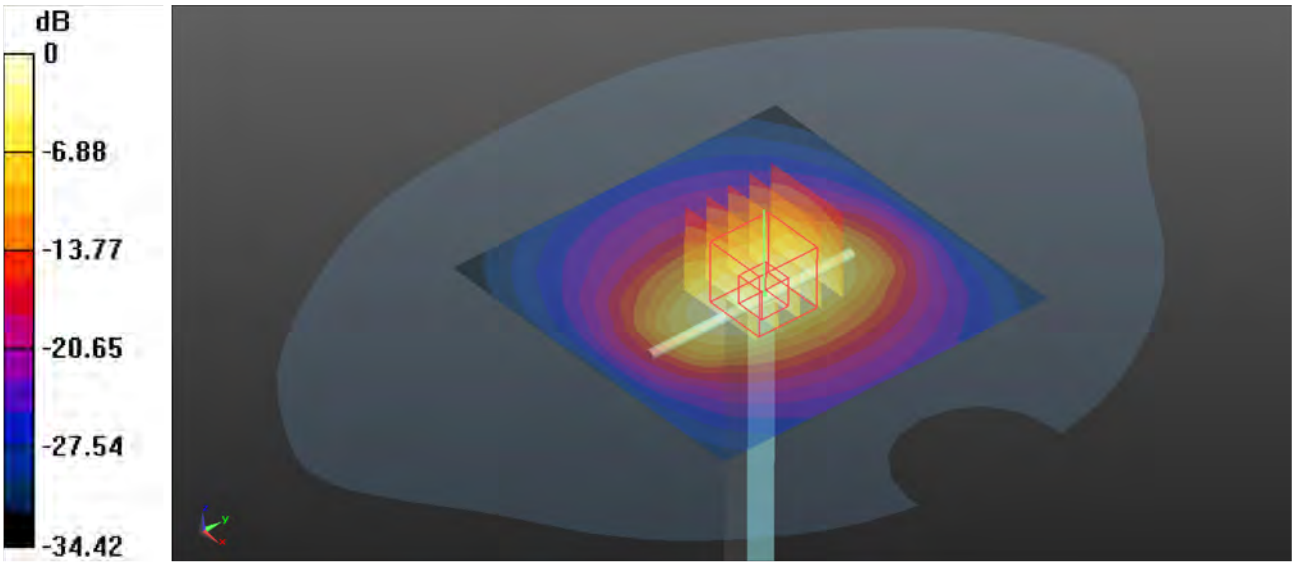
DUT: Dipole 1750 MHz; Type: D1750V2

Communication System: CW; Frequency: 1750 MHz;Duty Cycle: 1:1
Medium: HSL1750_0502 Medium parameters used: f = 1750 MHz; σ = 1.347 S/m; ε_r = 39.477; ρ = 1000 kg/m^3
Ambient Temperature：23.3℃; Liquid Temperature：22.5℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3708; ConvF(8.38, 8.38, 8.38) @ 1750 MHz; Calibrated: 2023/10/30
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn546; Calibrated: 2023/09/14
- Phantom: SAM Right ; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Pin=250mW/Area Scan (81x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 10.2 W/kg

Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 79.47 V/m; Power Drift = -0.18 dB
Peak SAR (extrapolated) = 16.2 W/kg
SAR(1 g) = 9.03 W/kg; SAR(10 g) = 4.83 W/kg
Smallest distance from peaks to all points 3 dB below = 12.2 mm
Ratio of SAR at M2 to SAR at M1 = 56.9%
Maximum value of SAR (measured) = 10.1 W/kg



0 dB = 10.1 W/kg

Test Laboratory: ritt 7 Layers SAR/HAC Testing Lab Date: 2024/05/03

System Check_HSL1750_240503

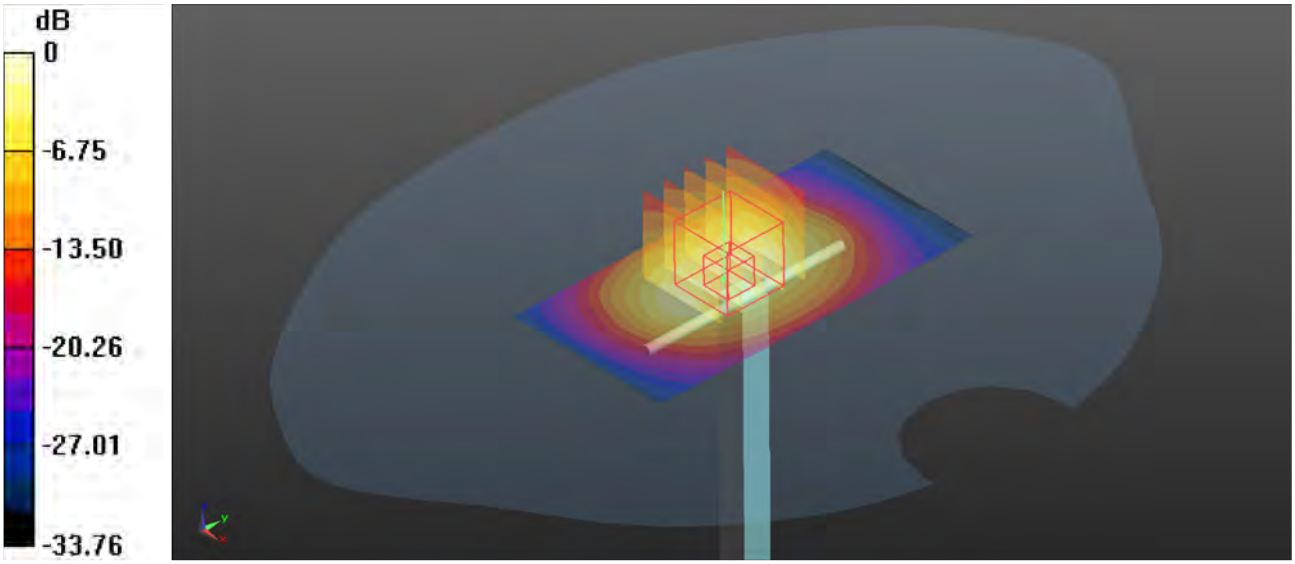
DUT: Dipole 1750 MHz; Type: D1750V2

Communication System: CW; Frequency: 1750 MHz;Duty Cycle: 1:1
Medium: HSL1750_0503 Medium parameters used: f = 1750 MHz; σ = 1.362 S/m; ε_r = 40.411; ρ = 1000 kg/m^3
Ambient Temperature：23.7℃; Liquid Temperature：22.6℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3708; ConvF(8.38, 8.38, 8.38) @ 1750 MHz; Calibrated: 2023/10/30
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn546; Calibrated: 2023/09/14
- Phantom: SAM Right ; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Pin=250mW/Area Scan (41x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 11.8 W/kg

Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 91.57 V/m; Power Drift = 0.12 dB
Peak SAR (extrapolated) = 18.1 W/kg
SAR(1 g) = 9.1 W/kg; SAR(10 g) = 4.88 W/kg
Smallest distance from peaks to all points 3 dB below = 11.2 mm
Ratio of SAR at M2 to SAR at M1 = 58.7%
Maximum value of SAR (measured) = 11.5 W/kg



0 dB = 11.5 W/kg

Test Laboratory: ritt 7 Layers SAR/HAC Testing Lab Date: 2024/05/04

System Check_HSL1900_240504

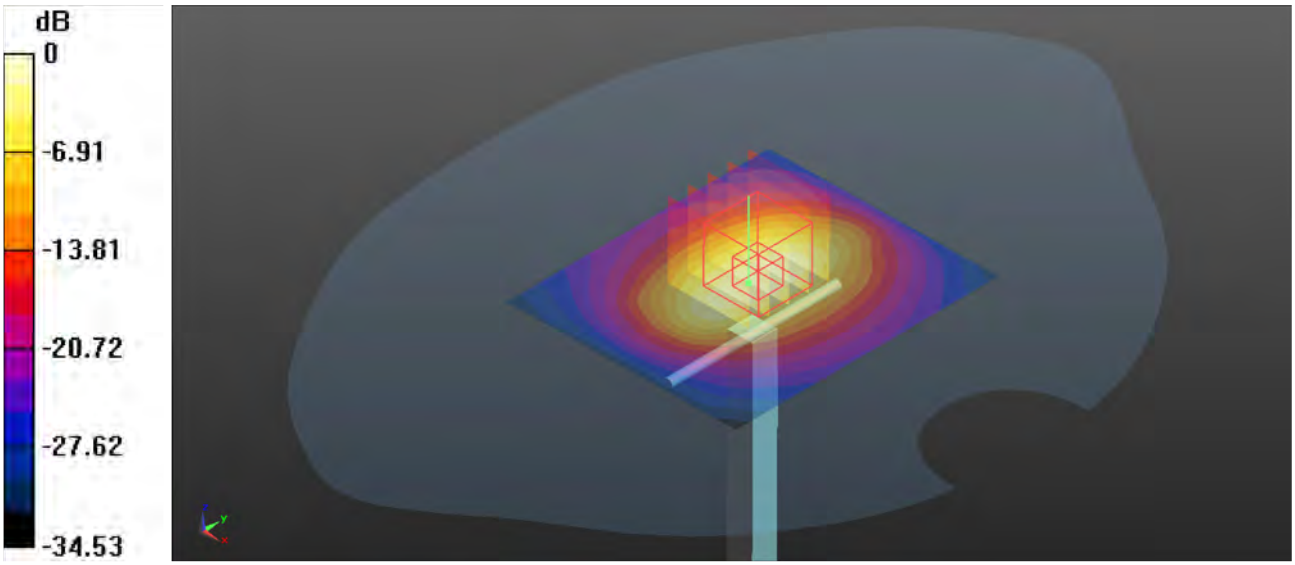
DUT: Dipole:1900MHz; Type: D1900V2

Communication System: CW; Frequency: 1900 MHz;Duty Cycle: 1:1
Medium: HSL1900_0504 Medium parameters used: f = 1900 MHz; σ = 1.415 S/m; ε_r = 40.018; ρ = 1000 kg/m^3
Ambient Temperature：23.4℃; Liquid Temperature：22.4℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3708; ConvF(8.41, 8.41, 8.41) @ 1900 MHz; Calibrated: 2023/10/30
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn546; Calibrated: 2023/09/14
- Phantom: SAM Right ; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Pin=250mW/Area Scan (61x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 12.8 W/kg

Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 94.41 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 15.5 W/kg
SAR(1 g) = 9.55 W/kg; SAR(10 g) = 4.92 W/kg
Smallest distance from peaks to all points 3 dB below = 9.6 mm
Ratio of SAR at M2 to SAR at M1 = 57.8%
Maximum value of SAR (measured) = 13.2 W/kg



0 dB = 13.2 W/kg

Test Laboratory: ritt 7 Layers SAR/HAC Testing Lab Date: 2024/05/05

System Check_HSL1900_240505

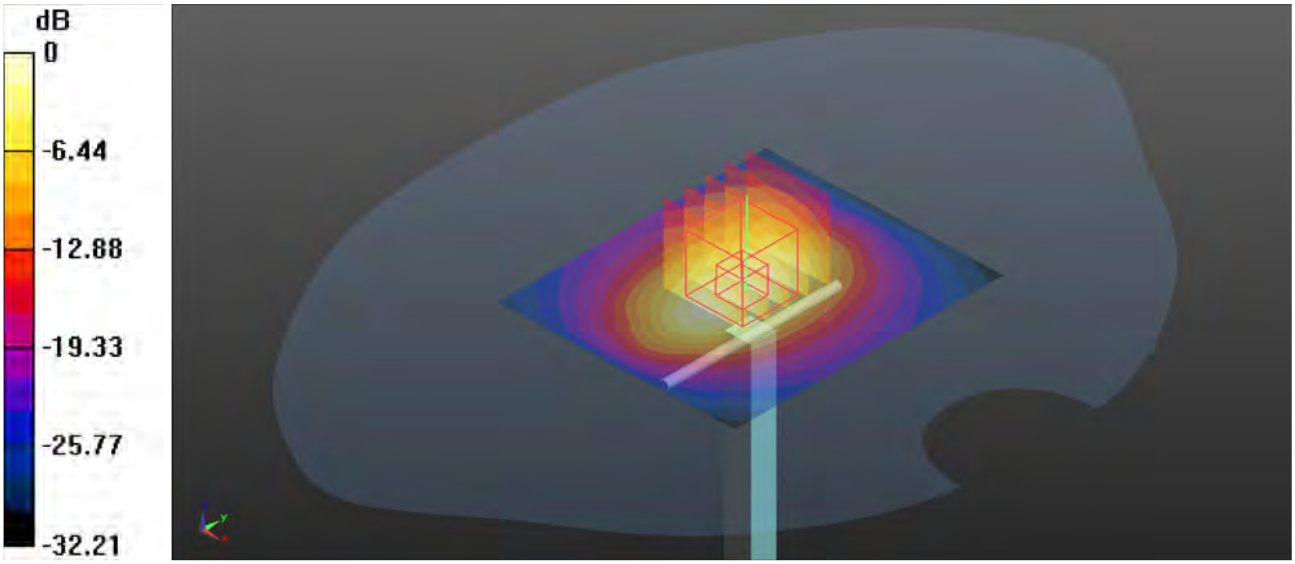
DUT: Dipole:1900MHz; Type: D1900V2

Communication System: CW; Frequency: 1900 MHz;Duty Cycle: 1:1
Medium: HSL1900_0505 Medium parameters used: f = 1900 MHz; σ = 1.441 S/m; ε_r = 39.987; ρ = 1000 kg/m^3
Ambient Temperature：23.2℃; Liquid Temperature：22.1℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3708; ConvF(8.41, 8.41, 8.41) @ 1900 MHz; Calibrated: 2023/10/30
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn546; Calibrated: 2023/09/14
- Phantom: SAM Right ; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Pin=250mW/Area Scan (61x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 14.8 W/kg

Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 92.35 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 16.8 W/kg
SAR(1 g) = 9.85 W/kg; SAR(10 g) = 5.13 W/kg
Smallest distance from peaks to all points 3 dB below = 9.6 mm
Ratio of SAR at M2 to SAR at M1 = 55.7%
Maximum value of SAR (measured) = 13.8 W/kg



0 dB = 13.8 W/kg

Test Laboratory: ritt 7 Layers SAR/HAC Testing Lab Date: 2024/05/06

System Check_HSL1900_240506

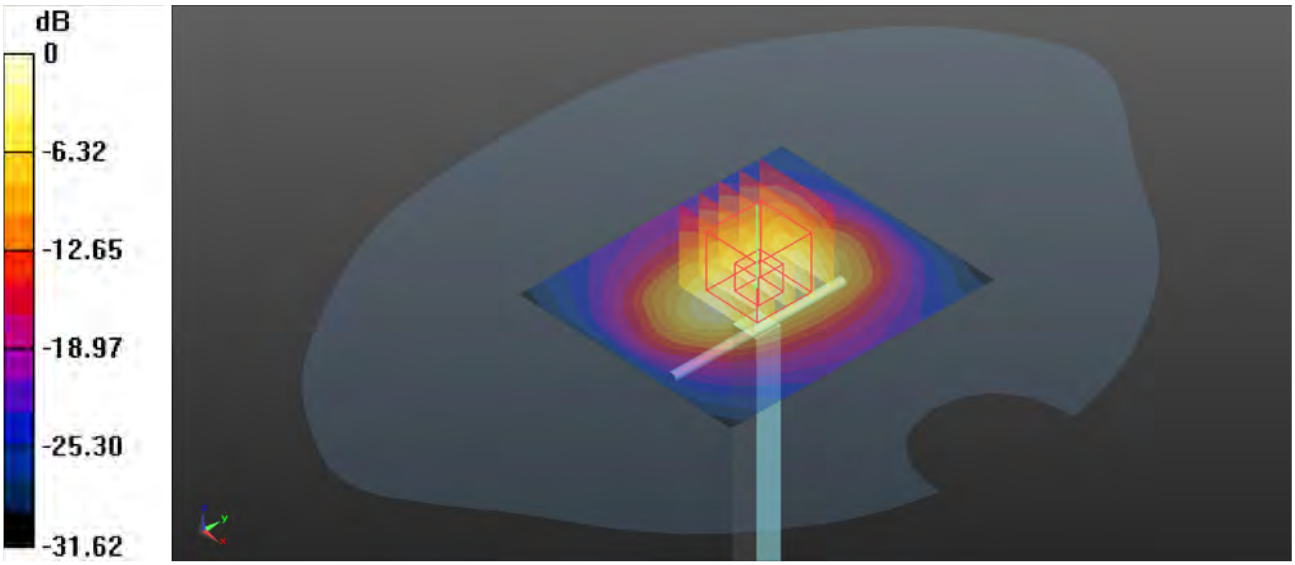
DUT: Dipole:1900 MHz; Type: D1900V2

Communication System: CW; Frequency: 1900 MHz;Duty Cycle: 1:1
Medium: HSL1900_0506 Medium parameters used: f = 1900 MHz; σ = 1.392 S/m; ε_r = 38.639; ρ = 1000 kg/m^3
Ambient Temperature：23.5℃; Liquid Temperature：22.5℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3708; ConvF(8.41, 8.41, 8.41) @ 1900 MHz; Calibrated: 2023/10/30
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn546; Calibrated: 2023/09/14
- Phantom: SAM Right ; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Pin=250mW/Area Scan (61x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 13.4 W/kg

Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 103.1 V/m; Power Drift = -0.11 dB
Peak SAR (extrapolated) = 15.8 W/kg
SAR(1 g) = 9.76 W/kg; SAR(10 g) = 5.03 W/kg
Smallest distance from peaks to all points 3 dB below = 10.7 mm
Ratio of SAR at M2 to SAR at M1 = 57.6%
Maximum value of SAR (measured) = 12.5 W/kg



0 dB = 12.5 W/kg

Test Laboratory: ritt 7 Layers SAR/HAC Testing Lab Date: 2024/05/14

System Check_HSL2450_240514

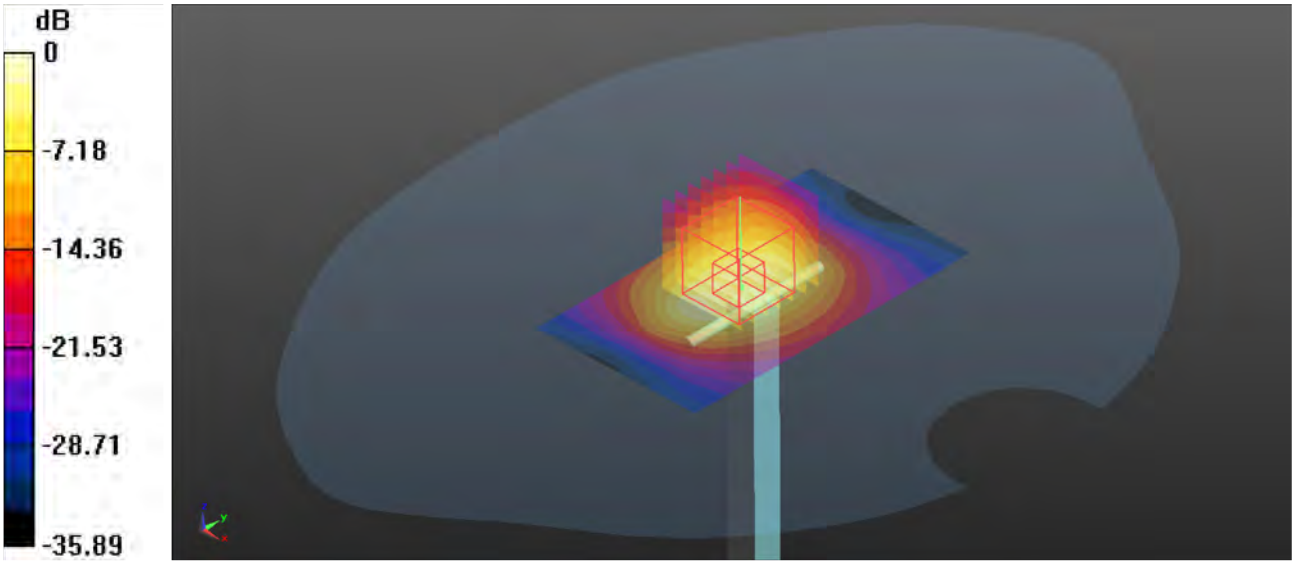
DUT: Dipole 2450 MHz; Type: D2450V2

Communication System: CW; Frequency: 2450 MHz;Duty Cycle: 1:1
Medium: HSL2450_0514 Medium parameters used: f = 2450 MHz; σ = 1.735 S/m; ε_r = 37.854; ρ = 1000 kg/m^3
Ambient Temperature：23.2℃; Liquid Temperature：22.5℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3708; ConvF(7.58, 7.58, 7.58) @ 2450 MHz; Calibrated: 2023/10/30
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn546; Calibrated: 2023/09/14
- Phantom: SAM Right ; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Pin=250mW/Area Scan (51x91x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 18.0 W/kg

Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 96.34 V/m; Power Drift = 0.10 dB
Peak SAR (extrapolated) = 22.5 W/kg
SAR(1 g) = 13.5 W/kg; SAR(10 g) = 6.22 W/kg
Smallest distance from peaks to all points 3 dB below = 9 mm
Ratio of SAR at M2 to SAR at M1 = 48.3%
Maximum value of SAR (measured) = 17.5 W/kg



0 dB = 17.5 W/kg

Test Laboratory: ritt 7 Layers SAR/HAC Testing Lab Date: 2024/05/01

System Check_HSL2600_240501

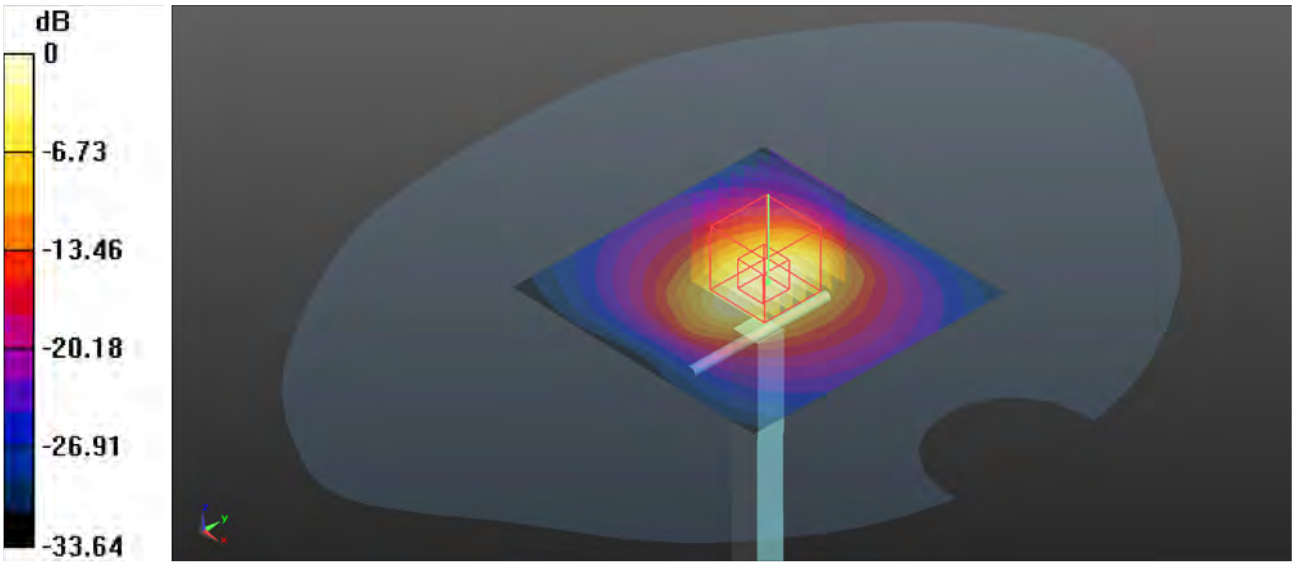
DUT: Dipole:2600 MHz; Type: D2600V2

Communication System: CW; Frequency: 2600 MHz;Duty Cycle: 1:1
Medium: HSL2600_0501 Medium parameters used: f = 2600 MHz; σ = 1.939 S/m; ε_r = 37.785; ρ = 1000 kg/m^3
Ambient Temperature：23.5℃; Liquid Temperature：22.5℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3708; ConvF(7.43, 7.43, 7.43) @ 2600 MHz; Calibrated: 2023/10/30
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn546; Calibrated: 2023/09/14
- Phantom: SAM Right ; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Pin=250mW/Area Scan (81x81x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 23.3 W/kg

Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 112.8 V/m; Power Drift = -0.13 dB
Peak SAR (extrapolated) = 28.5 W/kg
SAR(1 g) = 14.3 W/kg; SAR(10 g) = 6.34 W/kg
Smallest distance from peaks to all points 3 dB below = 8.9 mm
Ratio of SAR at M2 to SAR at M1 = 47.2%
Maximum value of SAR (measured) = 22.6 W/kg



0 dB = 22.6 W/kg

Test Laboratory: ritt 7 Layers SAR/HAC Testing Lab Date: 2024/05/07

System Check_HSL2600_240507

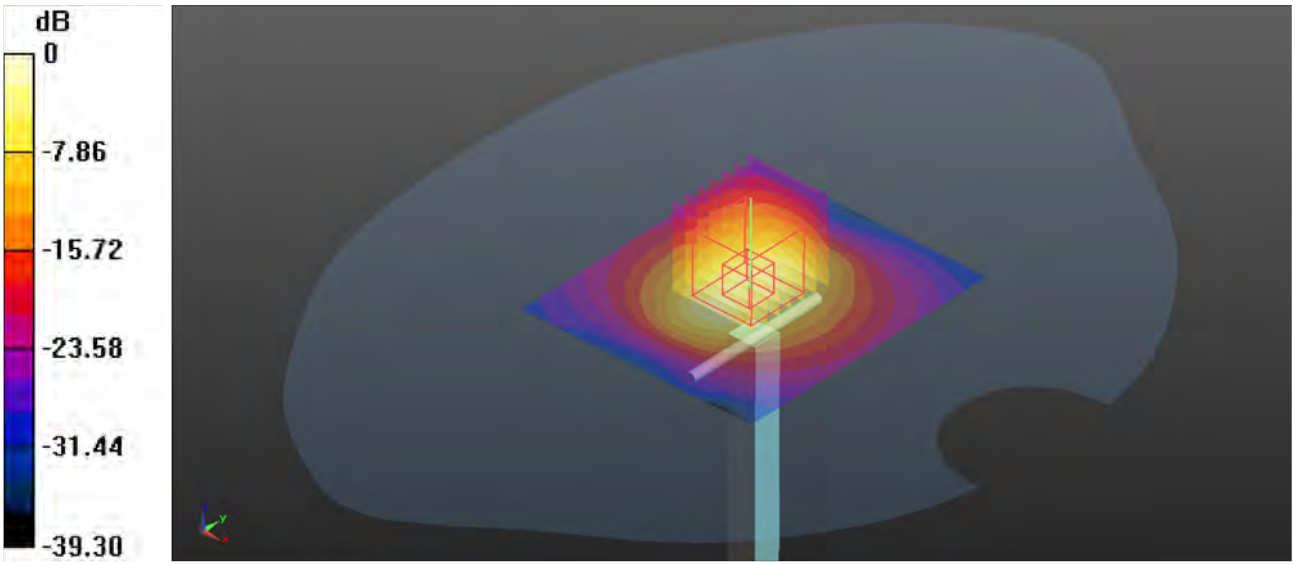
DUT: Dipole 2600 MHz; Type: D2600V2

Communication System: CW; Frequency: 2600 MHz;Duty Cycle: 1:1
Medium: HSL2600_0507 Medium parameters used: f = 2600 MHz; σ = 1.963 S/m; ε_r = 38.899; ρ = 1000 kg/m^3
Ambient Temperature：23.2℃; Liquid Temperature：22.4℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3708; ConvF(7.43, 7.43, 7.43) @ 2600 MHz; Calibrated: 2023/10/30
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn546; Calibrated: 2023/09/14
- Phantom: SAM Right ; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Pin=250mW/Area Scan (71x81x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 24.1 W/kg

Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 111.2 V/m; Power Drift = -0.12 dB
Peak SAR (extrapolated) = 32.6 W/kg
SAR(1 g) = 14.5 W/kg; SAR(10 g) = 6.41 W/kg
Smallest distance from peaks to all points 3 dB below = 9 mm
Ratio of SAR at M2 to SAR at M1 = 45.2%
Maximum value of SAR (measured) = 23.4 W/kg



0 dB = 23.4 W/kg

Test Laboratory: ritt 7 Layers SAR/HAC Testing Lab Date: 2024/05/08

System Check_HSL2600_240508

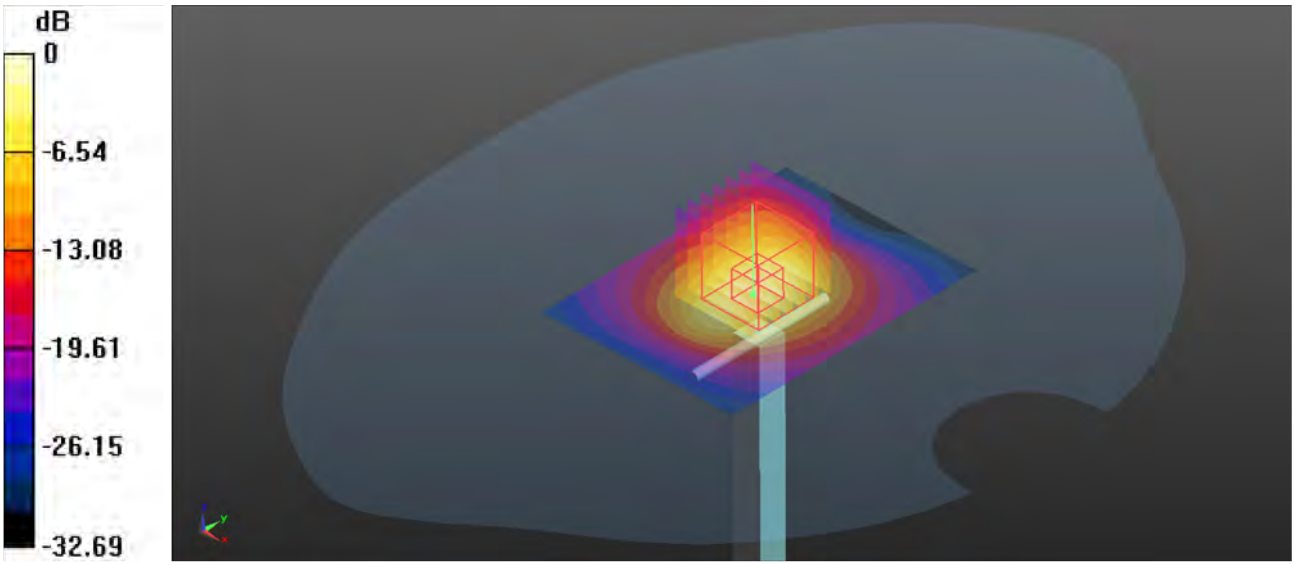
DUT: Dipole:2600 MHz; Type: D2600V2

Communication System: CW; Frequency: 2600 MHz;Duty Cycle: 1:1
Medium: HSL2600_0508 Medium parameters used: f = 2600 MHz; σ = 1.889 S/m; ε_r = 39.356; ρ = 1000 kg/m^3
Ambient Temperature：23.7℃; Liquid Temperature：22.5℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3708; ConvF(7.43, 7.43, 7.43) @ 2600 MHz; Calibrated: 2023/10/30
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn546; Calibrated: 2023/09/14
- Phantom: SAM Right ; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Pin=250mW/Area Scan (61x81x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 18.9 W/kg

Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 105.3 V/m; Power Drift = -0.11 dB
Peak SAR (extrapolated) = 23.6 W/kg
SAR(1 g) = 13.8 W/kg; SAR(10 g) = 6.23 W/kg
Smallest distance from peaks to all points 3 dB below = 9 mm
Ratio of SAR at M2 to SAR at M1 = 49.3%
Maximum value of SAR (measured) = 18.6 W/kg



0 dB = 18.6 W/kg

Test Laboratory: ritt 7 Layers SAR/HAC Testing Lab Date: 2024/05/09

System Check_HSL2600_240509

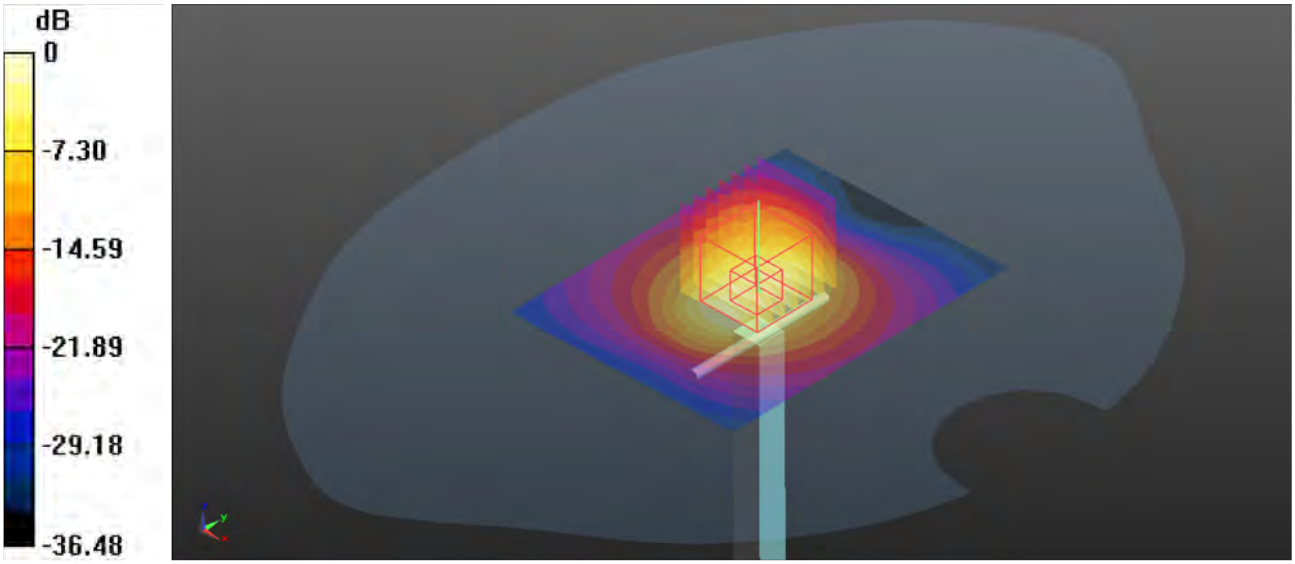
DUT: Dipole:2600 MHz; Type: D2600V2

Communication System: CW; Frequency: 2600 MHz;Duty Cycle: 1:1
Medium: HSL2600_0509 Medium parameters used: f = 2600 MHz; σ = 1.899 S/m; ε_r = 39.604; ρ = 1000 kg/m^3
Ambient Temperature：23.5℃; Liquid Temperature：22.2℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3708; ConvF(7.43, 7.43, 7.43) @ 2600 MHz; Calibrated: 2023/10/30
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn546; Calibrated: 2023/09/14
- Phantom: SAM Right ; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Pin=250mW/Area Scan (71x91x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 18.1 W/kg

Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 102.2 V/m; Power Drift = 0.13 dB
Peak SAR (extrapolated) = 22.7 W/kg
SAR(1 g) = 13.5 W/kg; SAR(10 g) = 6.05 W/kg
Smallest distance from peaks to all points 3 dB below = 9 mm
Ratio of SAR at M2 to SAR at M1 = 49.2%
Maximum value of SAR (measured) = 17.9 W/kg



0 dB = 17.9 W/kg

Test Laboratory: ritt 7 Layers SAR/HAC Testing Lab Date: 2024/05/10

System Check_HSL2600_240510

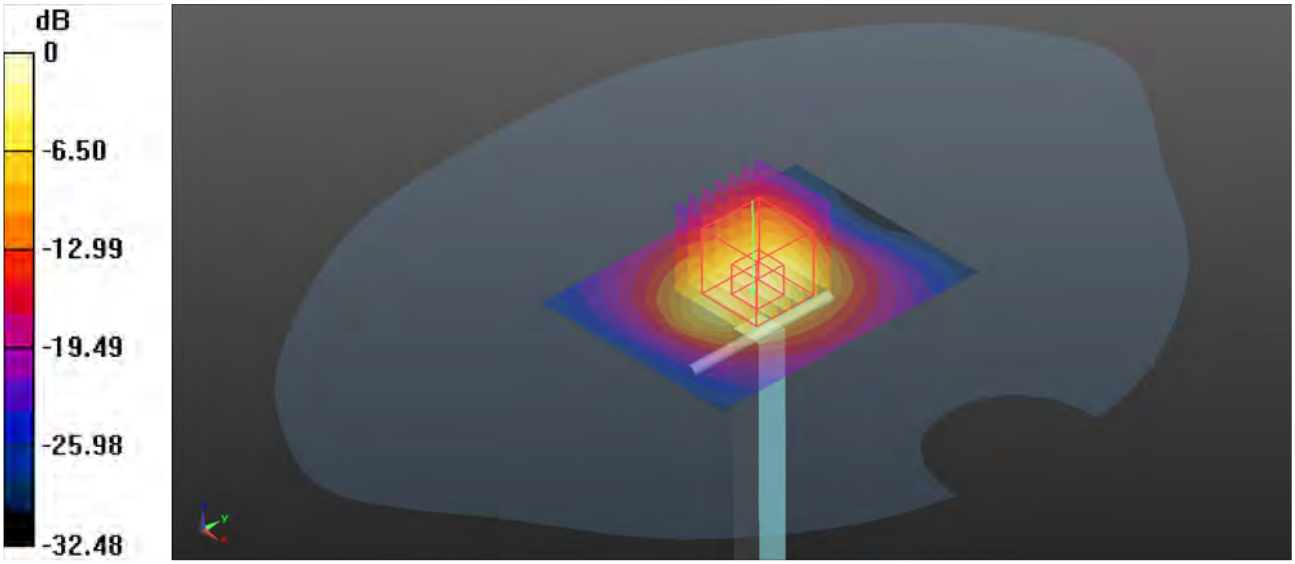
DUT: Dipole:2600 MHz; Type: D2600V2

Communication System: CW; Frequency: 2600 MHz;Duty Cycle: 1:1
Medium: HSL2600_0510 Medium parameters used: f = 2600 MHz; σ = 1.94 S/m; ε_r = 39.317; ρ = 1000 kg/m^3
Ambient Temperature：23.3℃; Liquid Temperature：22.1℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3708; ConvF(7.43, 7.43, 7.43) @ 2600 MHz; Calibrated: 2023/10/30
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn546; Calibrated: 2023/09/14
- Phantom: SAM Right ; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Pin=250mW/Area Scan (61x81x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 19.5 W/kg

Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 103.5 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 25.1 W/kg
SAR(1 g) = 14 W/kg; SAR(10 g) = 6.18 W/kg
Smallest distance from peaks to all points 3 dB below = 9 mm
Ratio of SAR at M2 to SAR at M1 = 49.2%
Maximum value of SAR (measured) = 19.2 W/kg



0 dB = 19.2 W/kg

Test Laboratory: ritt 7 Layers SAR/HAC Testing Lab Date: 2024/05/11

System Check_HSL2600_240511

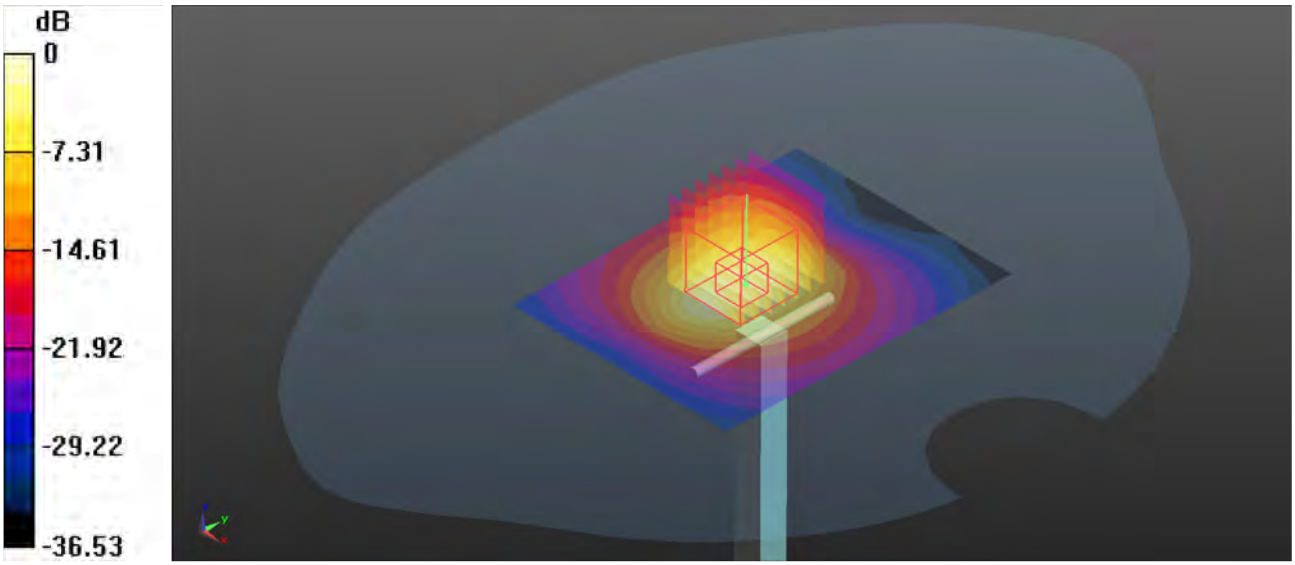
DUT: Dipole:2600 MHz; Type: D2600V2

Communication System: CW; Frequency: 2600 MHz;Duty Cycle: 1:1
Medium: HSL2600_0511 Medium parameters used: f = 2600 MHz; σ = 1.89 S/m; ε_r = 39.406; ρ = 1000 kg/m^3
Ambient Temperature：23.5℃; Liquid Temperature：22.5℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3708; ConvF(7.43, 7.43, 7.43) @ 2600 MHz; Calibrated: 2023/10/30
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn546; Calibrated: 2023/09/14
- Phantom: SAM Right ; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Pin=250mW/Area Scan (71x91x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 19.6 W/kg

Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 101.5 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 24.8 W/kg
SAR(1 g) = 13.6 W/kg; SAR(10 g) = 5.98 W/kg
Smallest distance from peaks to all points 3 dB below = 9.2 mm
Ratio of SAR at M2 to SAR at M1 = 49.5%
Maximum value of SAR (measured) = 18.5 W/kg



0 dB = 18.5 W/kg

Test Laboratory: ritt 7 Layers SAR/HAC Testing Lab Date: 2024/05/12

System Check_HSL3500_240512

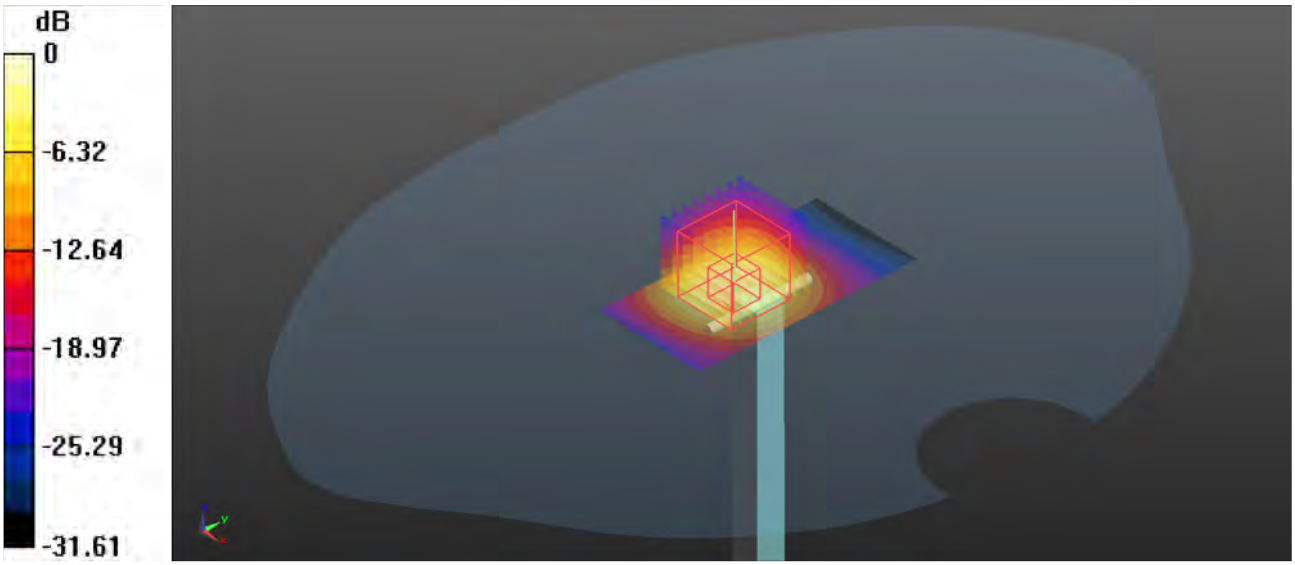
DUT: Dipole 3500 MHz; Type: D3500V2

Communication System: CW; Frequency: 3500 MHz;Duty Cycle: 1:1
Medium: HSL3500_0512 Medium parameters used: f = 3500 MHz; σ = 2.794 S/m; ε_r = 39.129; ρ = 1000 kg/m^3
Ambient Temperature：23.4℃; Liquid Temperature：22.2℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3708; ConvF(6.81, 6.81, 6.81) @ 3500 MHz; Calibrated: 2023/10/30
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn546; Calibrated: 2023/09/14
- Phantom: SAM Right ; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Pin=100mW/Area Scan (41x81x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 9.12 W/kg

Pin=100mW/Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 51.22 V/m; Power Drift = 0.08 dB
Peak SAR (extrapolated) = 13.8 W/kg
SAR(1 g) = 6.33 W/kg; SAR(10 g) = 2.39 W/kg
Smallest distance from peaks to all points 3 dB below = 9.1 mm
Ratio of SAR at M2 to SAR at M1 = 76.8%
Maximum value of SAR (measured) = 8.16 W/kg



0 dB = 8.16 W/kg

Test Laboratory: ritt 7 Layers SAR/HAC Testing Lab Date: 2024/05/13

System Check_HSL3500_240513

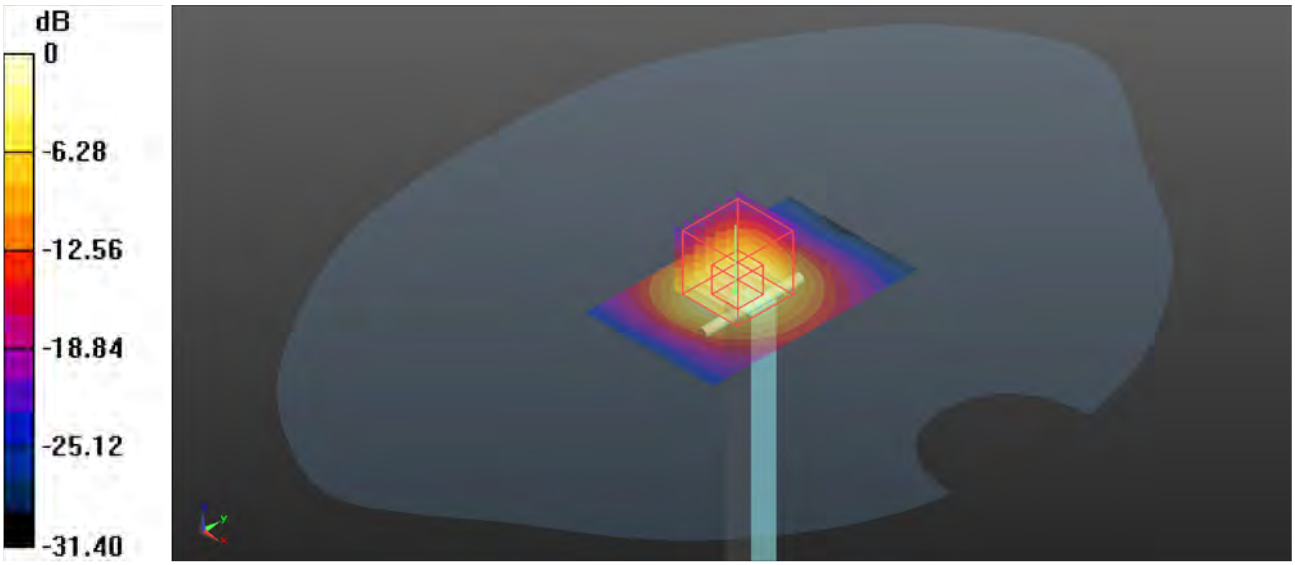
DUT: Dipole 3500 MHz; Type: D3500V2

Communication System: CW; Frequency: 3500 MHz;Duty Cycle: 1:1
Medium: HSL3500_0513 Medium parameters used: f = 3500 MHz; σ = 2.821 S/m; ε_r = 39.687; ρ = 1000 kg/m^3
Ambient Temperature：23.3℃; Liquid Temperature：22.3℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3708; ConvF(6.81, 6.81, 6.81) @ 3500 MHz; Calibrated: 2023/10/30
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn546; Calibrated: 2023/09/14
- Phantom: SAM Right ; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Pin=100mW/Area Scan (51x81x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 15.1 W/kg

Pin=100mW/Zoom Scan (7x7x6)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 56.22 V/m; Power Drift = 0.11 dB
Peak SAR (extrapolated) = 18.3 W/kg
SAR(1 g) = 6.71 W/kg; SAR(10 g) = 2.53 W/kg
Smallest distance from peaks to all points 3 dB below = 8.8 mm
Ratio of SAR at M2 to SAR at M1 = 68.7%
Maximum value of SAR (measured) = 13.7 W/kg



0 dB = 13.7 W/kg

Test Laboratory: ritt 7 Layers SAR/HAC Testing Lab Date: 2024/05/14

System Check_HSL3700_240514

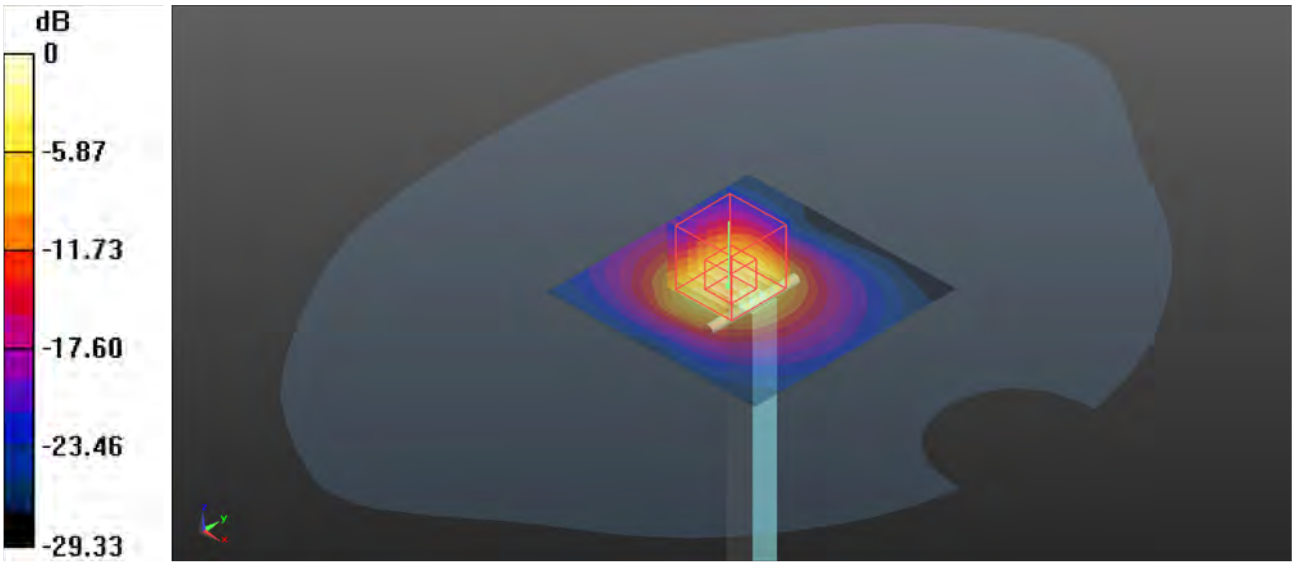
DUT: Dipole 3700 MHz; Type: D3700V2

Communication System: CW; Frequency: 3700 MHz;Duty Cycle: 1:1
Medium: HSL3700_0514 Medium parameters used: f = 3700 MHz; σ = 3.01 S/m; ε_r = 39.365; ρ = 1000 kg/m^3
Ambient Temperature：23.5℃; Liquid Temperature：22.6℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3708; ConvF(6.54, 6.54, 6.54) @ 3700 MHz; Calibrated: 2023/10/30
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn546; Calibrated: 2023/09/14
- Phantom: SAM Right ; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Pin=100mW/Area Scan (81x81x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 12.6 W/kg

Pin=100mW/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 45.23 V/m; Power Drift = -0.11 dB
Peak SAR (extrapolated) = 15.3 W/kg
SAR(1 g) = 6.57 W/kg; SAR(10 g) = 2.41 W/kg
Smallest distance from peaks to all points 3 dB below = 8.4 mm
Ratio of SAR at M2 to SAR at M1 = 67.2%
Maximum value of SAR (measured) = 12.2 W/kg



0 dB = 12.2 W/kg

Test Laboratory: ritt 7 Layers SAR/HAC Testing Lab Date: 2024/05/12

System Check_HSL3900_240512

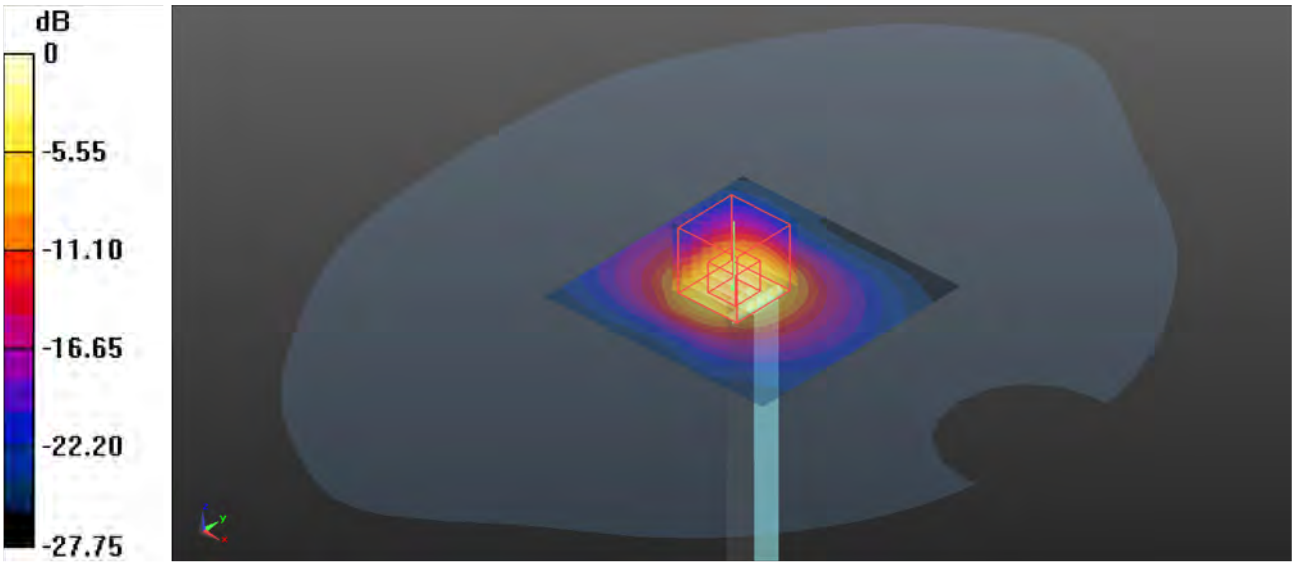
DUT: Dipole 3900 MHz; Type: D3900V2

Communication System: CW; Frequency: 3900 MHz;Duty Cycle: 1:1
Medium: HSL3900_0512 Medium parameters used: f = 3900 MHz; σ = 3.213 S/m; ε_r = 39.069; ρ = 1000 kg/m^3
Ambient Temperature：23.3℃; Liquid Temperature：22.2℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3708; ConvF(6.3, 6.3, 6.3) @ 3900 MHz; Calibrated: 2023/10/30
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn546; Calibrated: 2023/09/14
- Phantom: SAM Right ; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Pin=100mW/Area Scan (81x81x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 13.3 W/kg

Pin=100mW/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 45.13 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 17.6 W/kg
SAR(1 g) = 6.95 W/kg; SAR(10 g) = 2.43 W/kg
Smallest distance from peaks to all points 3 dB below = 8.2 mm
Ratio of SAR at M2 to SAR at M1 = 65.5%
Maximum value of SAR (measured) = 13.2 W/kg



0 dB = 13.2 W/kg

Test Laboratory: ritt 7 Layers SAR/HAC Testing Lab Date: 2024/05/15

System Check_HSL5250_240515

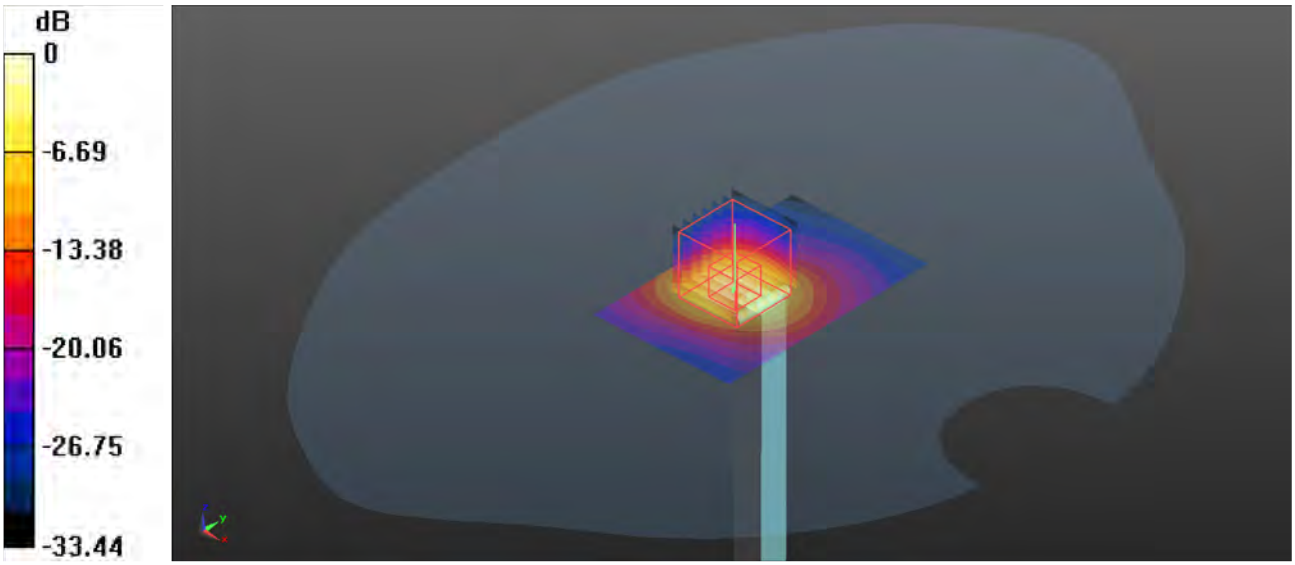
DUT: Dipole 5GHz; Type: D5GHzV2

Communication System: CW; Frequency: 5250 MHz;Duty Cycle: 1:1
Medium: HSL5G_0515 Medium parameters used: f = 5250 MHz; σ = 4.628 S/m; ε_r = 36.245; ρ = 1000 kg/m^3
Ambient Temperature：23.6℃; Liquid Temperature：22.8℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3708; ConvF(5.69, 5.69, 5.69) @ 5250 MHz; Calibrated: 2023/10/30
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn546; Calibrated: 2023/09/14
- Phantom: SAM Right ; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Pin=100mW/Area Scan (51x81x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 14.6 W/kg

Pin=100mW/Zoom Scan (7x7x6)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 47.23 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 27.2 W/kg
SAR(1 g) = 7.43 W/kg; SAR(10 g) = 2.14 W/kg
Smallest distance from peaks to all points 3 dB below = 7.4 mm
Ratio of SAR at M2 to SAR at M1 = 55.9%
Maximum value of SAR (measured) = 13.6 W/kg



0 dB = 13.6 W/kg

System Check_HSL5600_240515

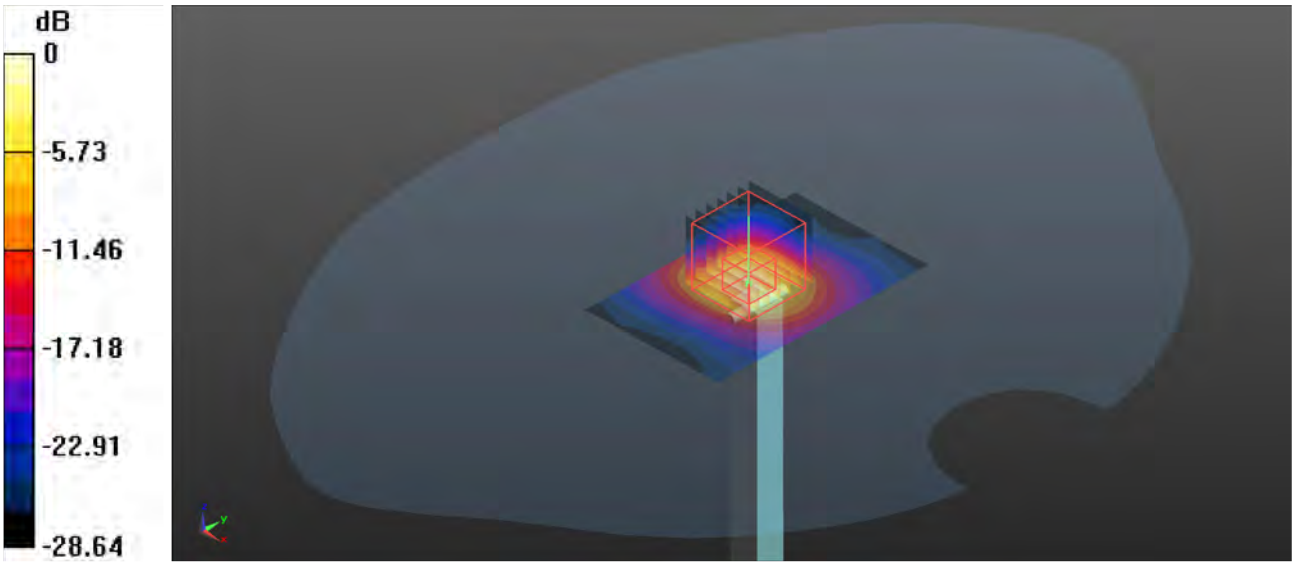
DUT: Dipole 5GHz; Type: D5GHzV2

Communication System: CW; Frequency: 5600 MHz;Duty Cycle: 1:1
Medium: HSL5G_0515 Medium parameters used: f = 5600 MHz; σ = 5.016 S/m; ε_r = 35.686; ρ = 1000 kg/m^3
Ambient Temperature：23.6℃; Liquid Temperature：22.8℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3708; ConvF(5, 5, 5) @ 5600 MHz; Calibrated: 2023/10/30
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn546; Calibrated: 2023/09/14
- Phantom: SAM Right ; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Pin=100mW/Area Scan (51x81x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 16.6 W/kg

Pin=100mW/Zoom Scan (7x7x6)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 55.11 V/m; Power Drift = 0.14 dB
Peak SAR (extrapolated) = 31.2 W/kg
SAR(1 g) = 8.42 W/kg; SAR(10 g) = 2.41 W/kg
Smallest distance from peaks to all points 3 dB below = 7.9 mm
Ratio of SAR at M2 to SAR at M1 = 53.1%
Maximum value of SAR (measured) = 16.3 W/kg



0 dB = 16.3 W/kg

Test Laboratory: ritt 7 Layers SAR/HAC Testing Lab Date: 2024/05/15

System Check_HSL5750_240515

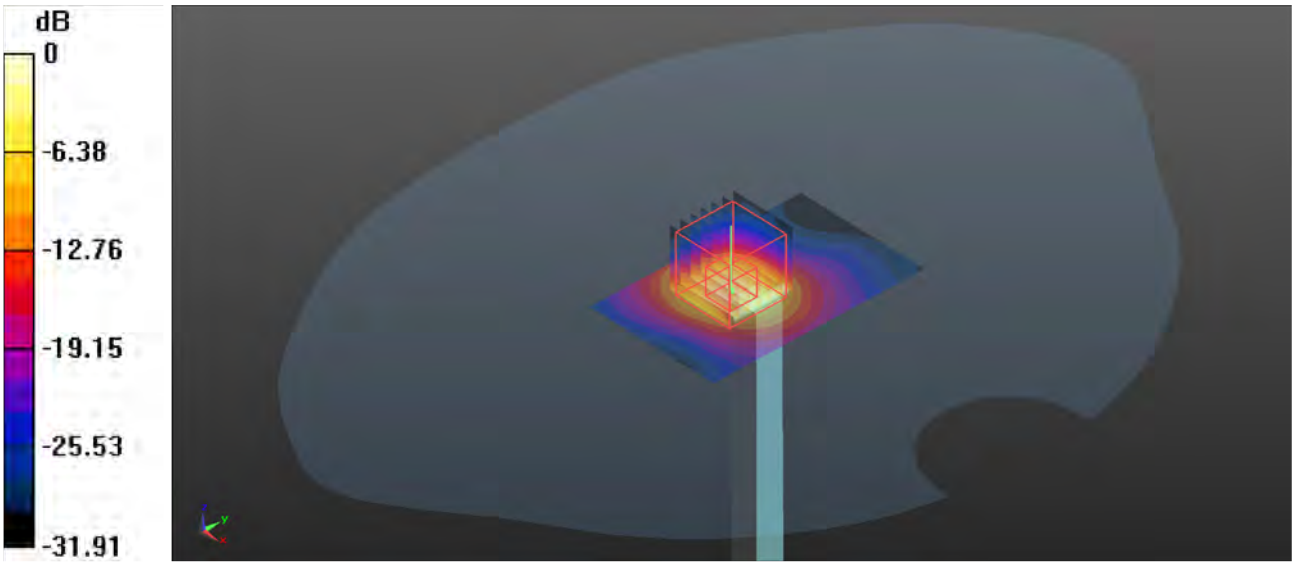
DUT: Dipole 5GHz; Type: D5GHzV2

Communication System: CW; Frequency: 5750 MHz;Duty Cycle: 1:1
Medium: HSL5G_0515 Medium parameters used: f = 5750 MHz; σ = 5.124 S/m; ε_r = 35.38; ρ = 1000 kg/m^3
Ambient Temperature：23.6℃; Liquid Temperature：22.8℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3708; ConvF(5.21, 5.21, 5.21) @ 5750 MHz; Calibrated: 2023/10/30
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn546; Calibrated: 2023/09/14
- Phantom: SAM Right ; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Pin=100mW/Area Scan (51x81x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 13.6 W/kg

Pin=100mW/Zoom Scan (7x7x6)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 41.38 V/m; Power Drift = 0.12 dB
Peak SAR (extrapolated) = 29.2 W/kg
SAR(1 g) = 7.48 W/kg; SAR(10 g) = 2.14 W/kg
Smallest distance from peaks to all points 3 dB below = 7.2 mm
Ratio of SAR at M2 to SAR at M1 = 52.2%
Maximum value of SAR (measured) = 14.8 W/kg



0 dB = 14.8 W/kg

Appendix B. SAR Plots of SAR Measurement

The SAR plots for highest measured SAR in each exposure configuration, wireless mode and frequency band combination, and measured SAR > 1.5 W/kg are shown as follows.

Test Laboratory: ritt 7 Layers SAR/HAC Testing Lab Date: 2024/04/30

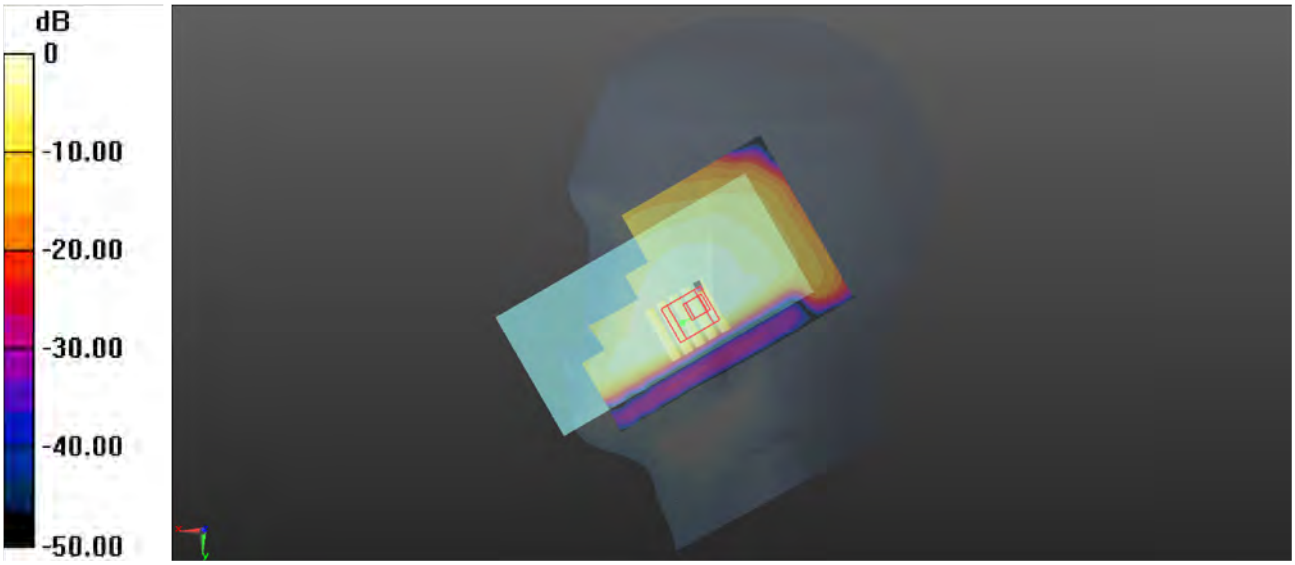
P01 GSM850_GPRS 2Tx Slot_Right Cheek_Ch189_Ant0

Communication System: GPRS 2Tx Slot; Frequency: 836.4 MHz;Duty Cycle: 1:4.15
Medium: HSL835_0430 Medium parameters used: f = 836.4 MHz; σ = 0.911 S/m; ε_r = 42.392; ρ = 1000 kg/m^3
Ambient Temperature：23.4℃; Liquid Temperature：22.7℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3708; ConvF(9.23, 9.23, 9.23) @ 836.4 MHz; Calibrated: 2023/10/30
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn546; Calibrated: 2023/09/14
- Phantom: SAM Right ; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

-Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.330 W/kg

-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 5.344 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 0.263 W/kg
SAR(1 g) = 0.153 W/kg; SAR(10 g) = 0.101 W/kg
Smallest distance from peaks to all points 3 dB below = 3.2 mm
Ratio of SAR at M2 to SAR at M1 = 79.5%
Maximum value of SAR (measured) = 0.147 W/kg



0 dB = 0.147 W/kg

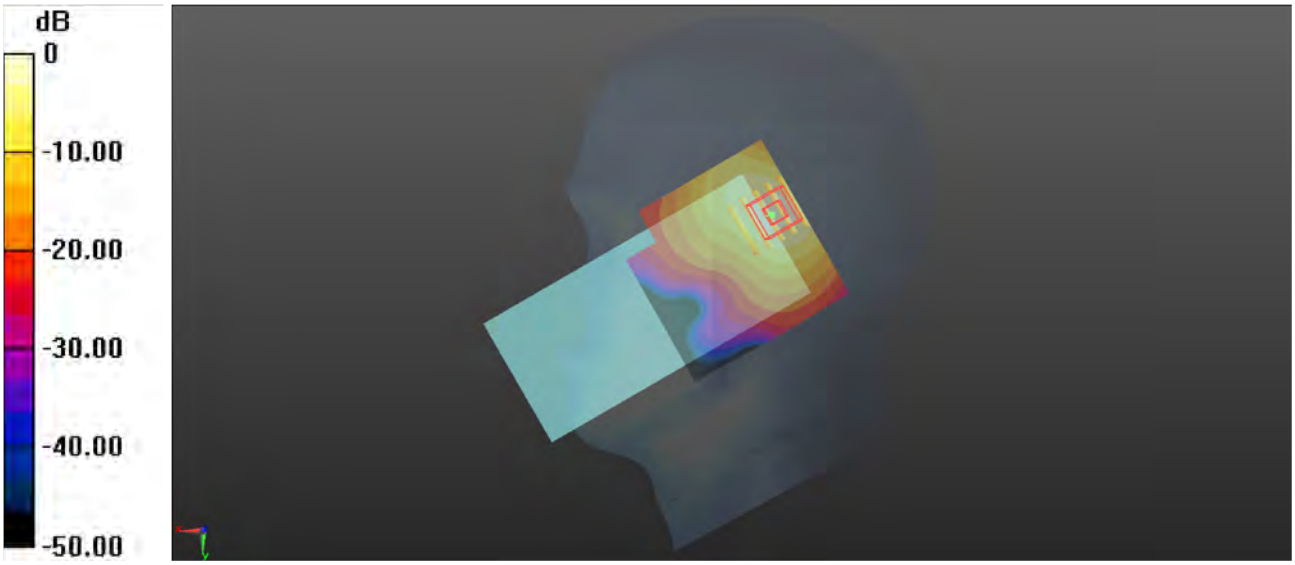
P02 GSM1900_GPRS 2Tx Slot_Right Tilted_Ch810_Ant3

Communication System: GPRS 2Tx Slot; Frequency: 1909.8 MHz;Duty Cycle: 1:4.15
Medium: HSL1900_0504 Medium parameters used: f = 1910 MHz; σ = 1.421 S/m; ε_r = 40.01; ρ = 1000 kg/m^3
Ambient Temperature：23.4℃; Liquid Temperature：22.4℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3708; ConvF(8.41, 8.41, 8.41) @ 1909.8 MHz; Calibrated: 2023/10/30
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn546; Calibrated: 2023/09/14
- Phantom: SAM Right ; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

-Area Scan (51x51x1): Interpolated grid: dx=2.000 mm, dy=2.000 mm
Maximum value of SAR (interpolated) = 0.754 W/kg

-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 16.40 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 1.45 W/kg
SAR(1 g) = 0.766 W/kg; SAR(10 g) = 0.390 W/kg
Smallest distance from peaks to all points 3 dB below = 9.3 mm
Ratio of SAR at M2 to SAR at M1 = 56.3%
Maximum value of SAR (measured) = 0.944 W/kg



0 dB = 0.944 W/kg

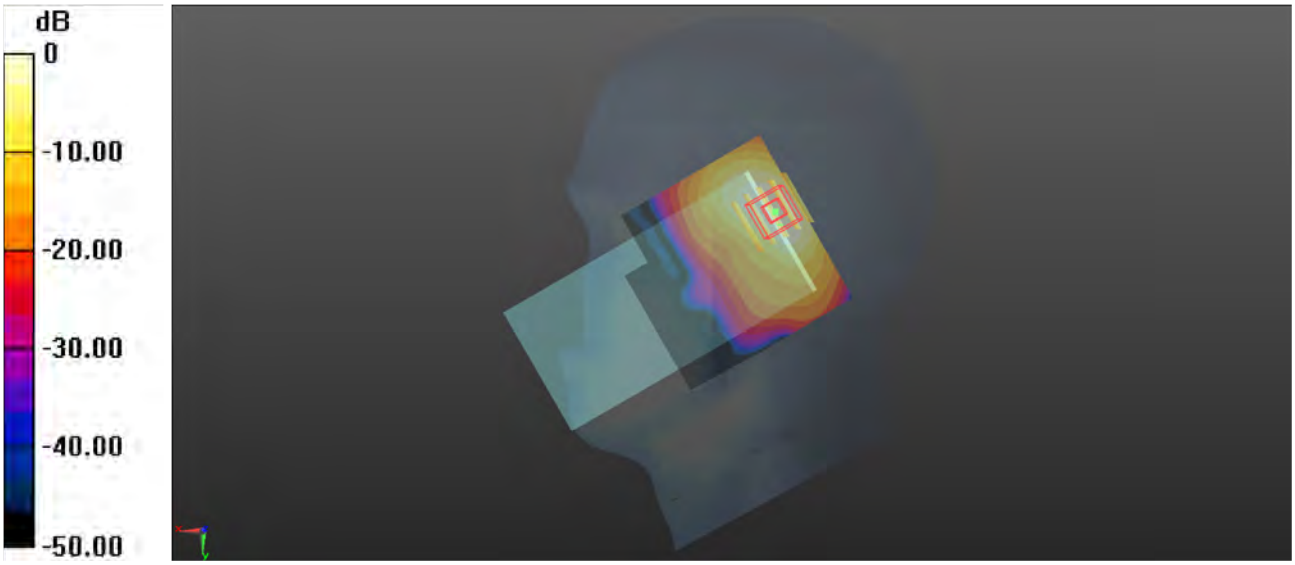
P03 WCDMA II_RMC12.2K_Right Tilted_Ch9262_Ant3

Communication System: WCDMA; Frequency: 1852.4 MHz;Duty Cycle: 1:1
Medium: HSL1900_0504 Medium parameters used: f = 1852.4 MHz; σ = 1.382 S/m; ε_r = 40.081; ρ = 1000 kg/m^3
Ambient Temperature：23.4℃; Liquid Temperature：22.4℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3708; ConvF(8.41, 8.41, 8.41) @ 1852.4 MHz; Calibrated: 2023/10/30
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn546; Calibrated: 2023/09/14
- Phantom: SAM Right ; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

-Area Scan (71x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.980 W/kg

-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 17.10 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 1.08 W/kg
SAR(1 g) = 0.614 W/kg; SAR(10 g) = 0.333 W/kg
Smallest distance from peaks to all points 3 dB below = 9.3 mm
Ratio of SAR at M2 to SAR at M1 = 54.5%
Maximum value of SAR (measured) = 0.843 W/kg



0 dB = 0.843 W/kg

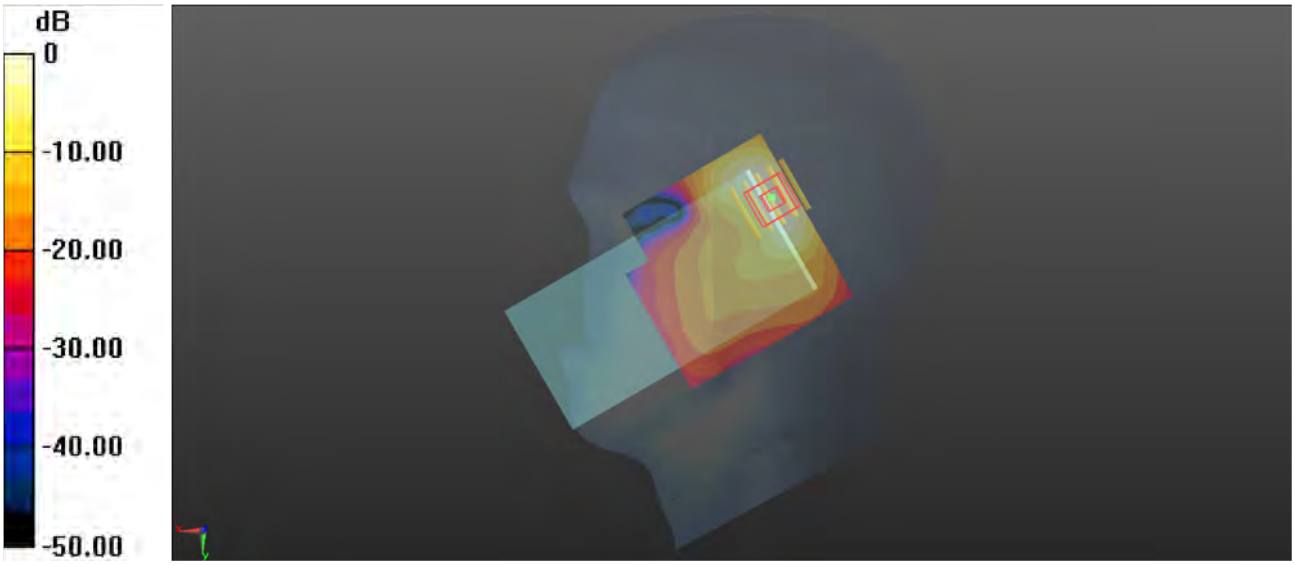
P04 WCDMA IV_RMC12.2K_Right Tilted_Ch1513_Ant3

Communication System: WCDMA; Frequency: 1752.6 MHz;Duty Cycle: 1:1
Medium: HSL1750_0501 Medium parameters used: f = 1753 MHz; σ = 1.307 S/m; ε_r = 41.271; ρ = 1000 kg/m^3
Ambient Temperature：23.5℃; Liquid Temperature：22.6℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3708; ConvF(8.38, 8.38, 8.38) @ 1752.6 MHz; Calibrated: 2023/10/30
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn546; Calibrated: 2023/09/14
- Phantom: SAM Right ; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

-Area Scan (71x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.962 W/kg

-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 16.01 V/m; Power Drift = -0.16 dB
Peak SAR (extrapolated) = 1.18 W/kg
SAR(1 g) = 0.638 W/kg; SAR(10 g) = 0.329 W/kg
Smallest distance from peaks to all points 3 dB below = 8.2 mm
Ratio of SAR at M2 to SAR at M1 = 52.5%
Maximum value of SAR (measured) = 0.958 W/kg



0 dB = 0.958 W/kg

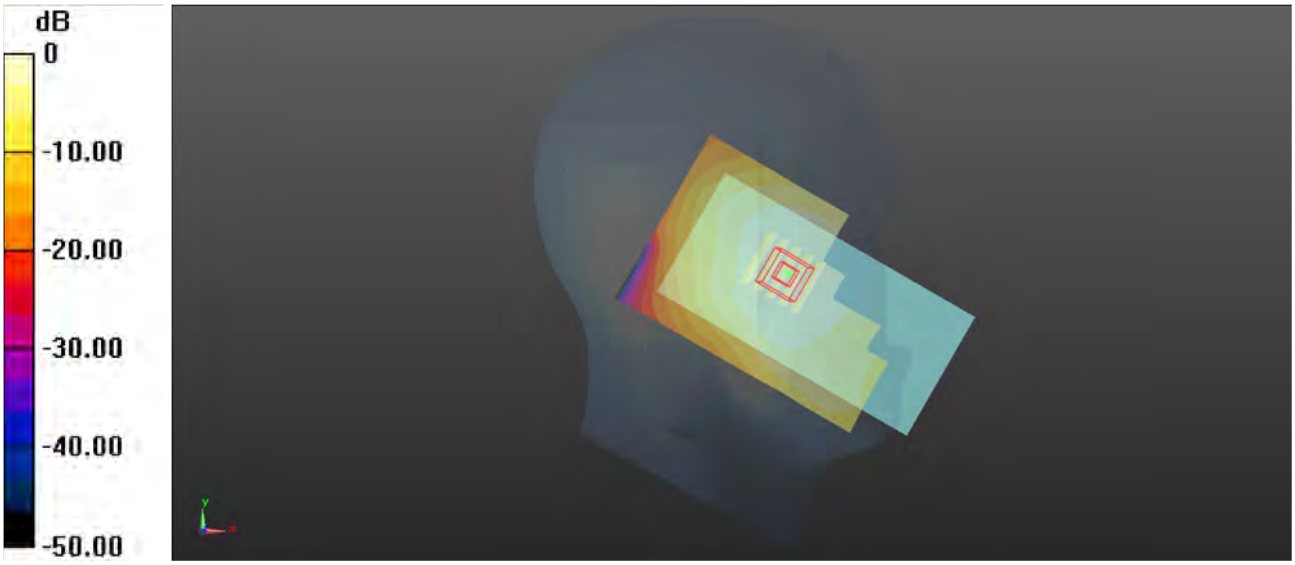
P05 WCDMA V_RMC12.2K_Left Cheek_Ch4182_Ant0

Communication System: WCDMA; Frequency: 836.4 MHz;Duty Cycle: 1:1
Medium: HSL835_0430 Medium parameters used: f = 836.4 MHz; σ = 0.911 S/m; ε_r = 42.392; ρ = 1000 kg/m^3
Ambient Temperature：23.4℃; Liquid Temperature：22.7℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3708; ConvF(9.23, 9.23, 9.23) @ 836.4 MHz; Calibrated: 2023/10/30
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn546; Calibrated: 2023/09/14
- Phantom: SAM Right ; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

-Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.148 W/kg

-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 4.460 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 0.162 W/kg
SAR(1 g) = 0.129 W/kg; SAR(10 g) = 0.100 W/kg
Smallest distance from peaks to all points 3 dB below: Larger than measurement grid
Ratio of SAR at M2 to SAR at M1 = 80.6%
Maximum value of SAR (measured) = 0.148 W/kg



0 dB = 0.148 W/kg

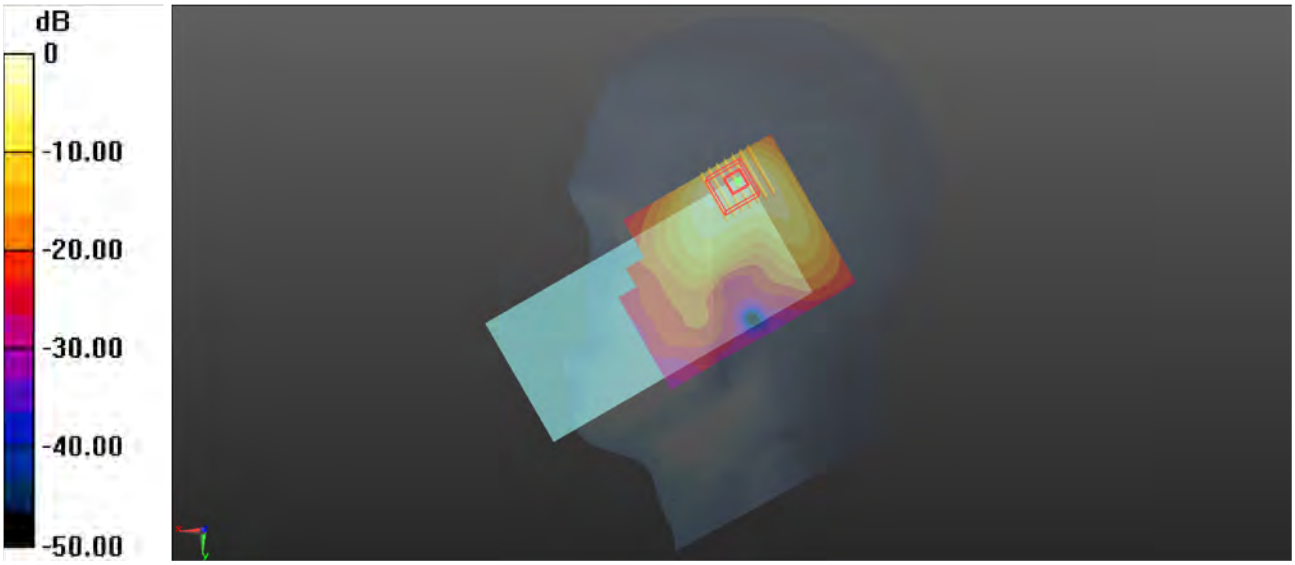
P06 LTE 7_QPSK20M_Right Cheek_Ch21100_50RB_OS0_Ant3

Communication System: LTE_FDD; Frequency: 2535 MHz;Duty Cycle: 1:1
Medium: HSL2600_0507 Medium parameters used: f = 2535 MHz; σ = 1.908 S/m; ε_r = 39.038; ρ = 1000 kg/m^3
Ambient Temperature：23.2℃; Liquid Temperature：22.4℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3708; ConvF(7.43, 7.43, 7.43) @ 2535 MHz; Calibrated: 2023/10/30
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn546; Calibrated: 2023/09/14
- Phantom: SAM Right ; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

-Area Scan (81x101x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 1.08 W/kg

-Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 8.366 V/m; Power Drift = -0.09 dB
Peak SAR (extrapolated) = 1.55 W/kg
SAR(1 g) = 0.667 W/kg; SAR(10 g) = 0.300 W/kg
Smallest distance from peaks to all points 3 dB below = 7.2 mm
Ratio of SAR at M2 to SAR at M1 = 44.9%
Maximum value of SAR (measured) = 1.13 W/kg



0 dB = 1.13 W/kg

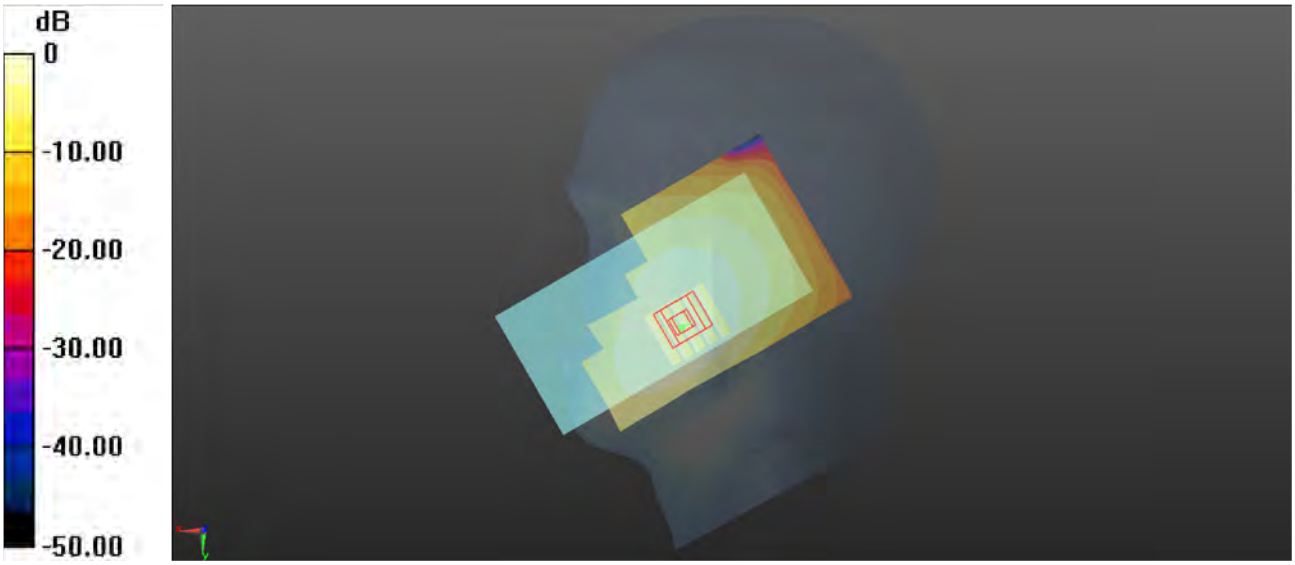
P07 LTE 12_QPSK10M_Right Cheek_Ch23060_1RB_OS24_Ant0

Communication System: LTE_FDD; Frequency: 704 MHz;Duty Cycle: 1:1
Medium: HSL750_0428 Medium parameters used: f = 704 MHz; σ = 0.855 S/m; ε_r = 42.581; ρ = 1000 kg/m^3
Ambient Temperature：23.2℃; Liquid Temperature：22.3℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3708; ConvF(9.34, 9.34, 9.34) @ 704 MHz; Calibrated: 2023/10/30
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn546; Calibrated: 2023/09/14
- Phantom: SAM Right ; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

-Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.103 W/kg

-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 4.110 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 0.112 W/kg
SAR(1 g) = 0.092 W/kg; SAR(10 g) = 0.071 W/kg
Smallest distance from peaks to all points 3 dB below: Larger than measurement grid
Ratio of SAR at M2 to SAR at M1 = 79.9%
Maximum value of SAR (measured) = 0.101 W/kg



0 dB = 0.101 W/kg

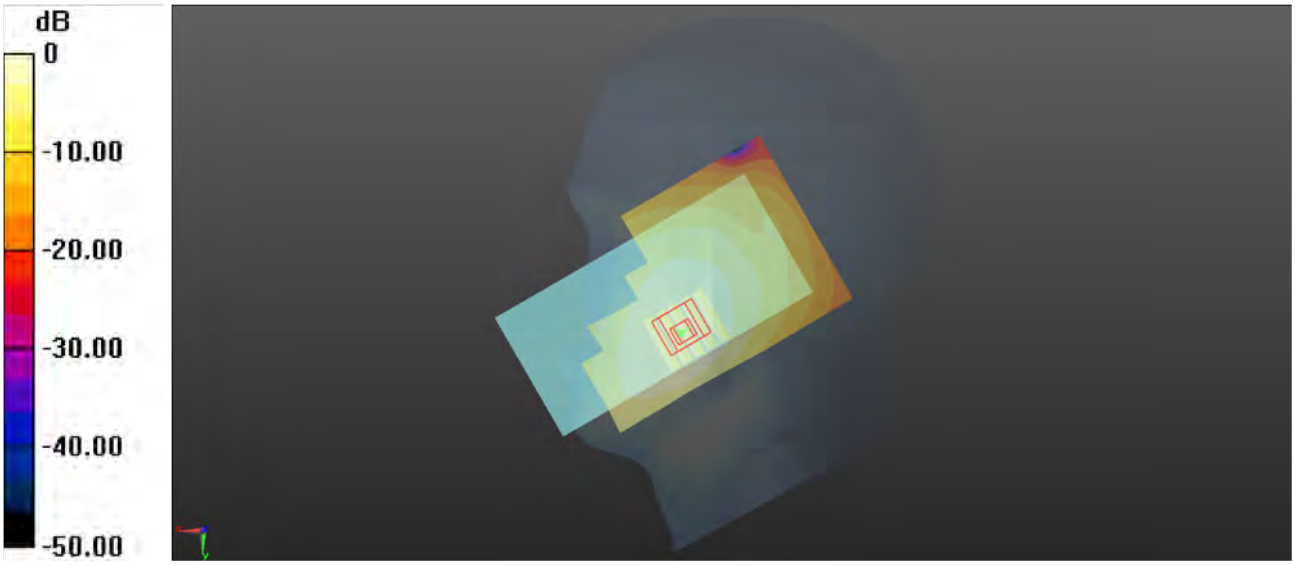
P08 LTE 13_QPSK10M_Right Cheek_Ch23230_1RB_OS24_Ant0

Communication System: LTE_FDD; Frequency: 782 MHz;Duty Cycle: 1:1
Medium: HSL750_0428 Medium parameters used: f = 782 MHz; σ = 0.878 S/m; ε_r = 42.354; ρ = 1000 kg/m^3
Ambient Temperature：23.2℃; Liquid Temperature：22.3℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3708; ConvF(9.34, 9.34, 9.34) @ 782 MHz; Calibrated: 2023/10/30
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn546; Calibrated: 2023/09/14
- Phantom: SAM Right ; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

-Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.162 W/kg

-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 4.769 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 0.176 W/kg
SAR(1 g) = 0.143 W/kg; SAR(10 g) = 0.110 W/kg
Smallest distance from peaks to all points 3 dB below: Larger than measurement grid
Ratio of SAR at M2 to SAR at M1 = 79.1%
Maximum value of SAR (measured) = 0.158 W/kg



0 dB = 0.158 W/kg

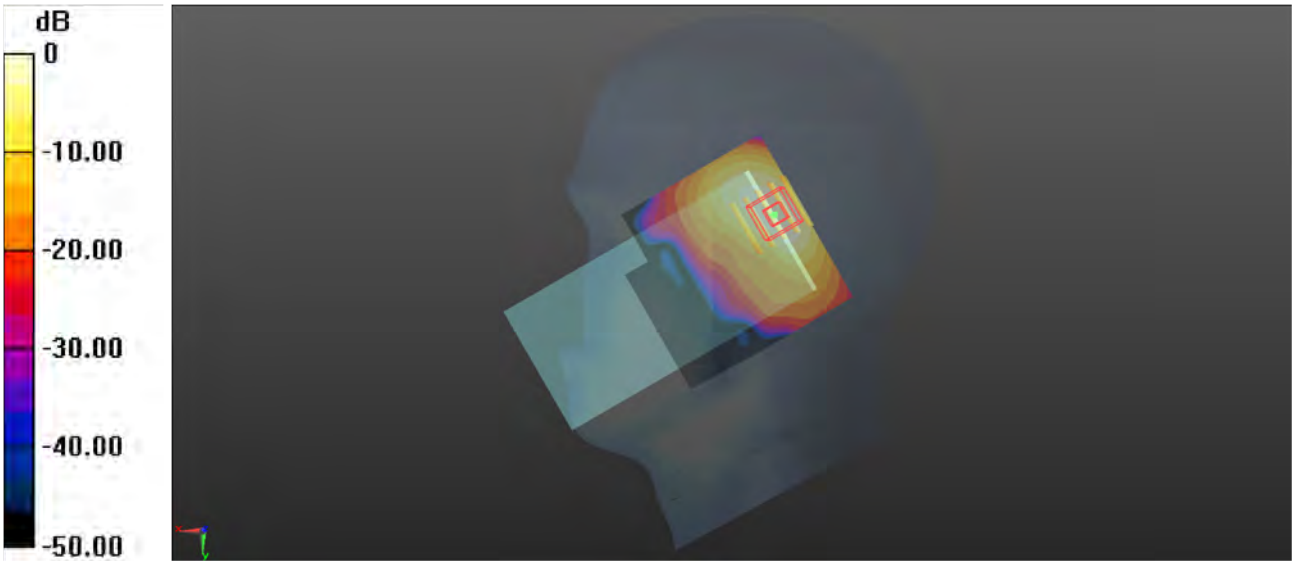
P09 LTE 25_QPSK20M_Right Tilted_Ch26340_50RB_OS50_Ant3

Communication System: LTE_FDD; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium: HSL1900_0505 Medium parameters used: f = 1880 MHz; σ = 1.429 S/m; ε_r = 39.992; ρ = 1000 kg/m^3
Ambient Temperature：23.2℃; Liquid Temperature：22.1℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3708; ConvF(8.41, 8.41, 8.41) @ 1880 MHz; Calibrated: 2023/10/30
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn546; Calibrated: 2023/09/14
- Phantom: SAM Right ; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

-Area Scan (71x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.10 W/kg

-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 19.92 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 1.38 W/kg
SAR(1 g) = 0.681 W/kg; SAR(10 g) = 0.348 W/kg
Smallest distance from peaks to all points 3 dB below = 9.3 mm
Ratio of SAR at M2 to SAR at M1 = 55.1%
Maximum value of SAR (measured) = 1.09 W/kg



0 dB = 1.09 W/kg

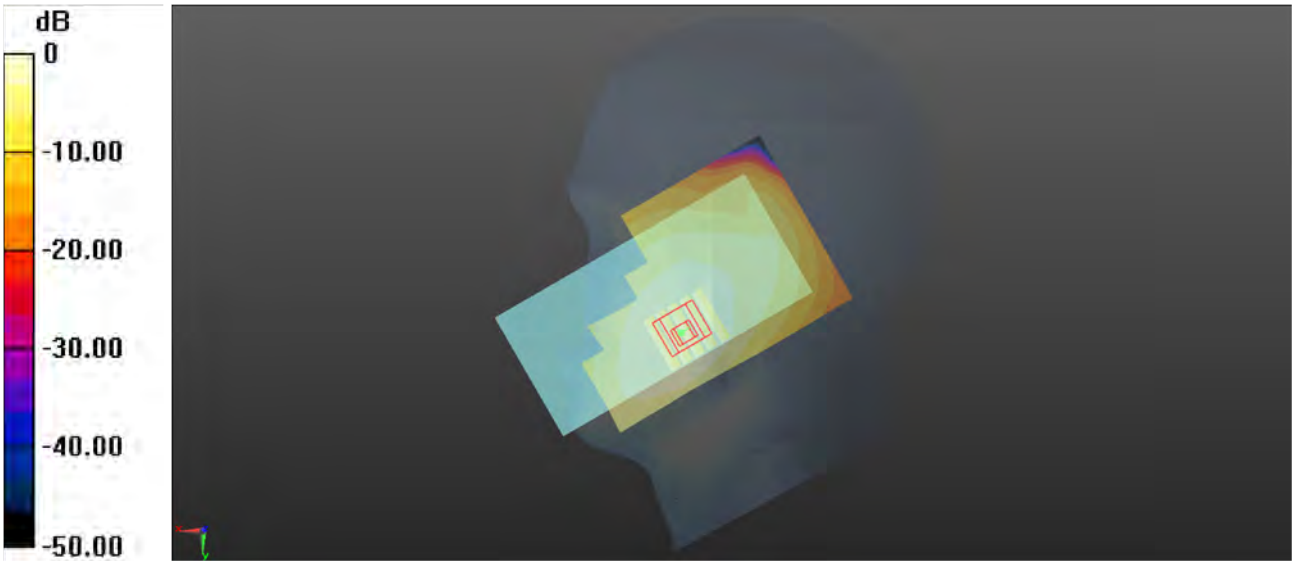
P10 LTE 26_QPSK15M_Right Cheek_Ch26865_36RB_OS0_Ant0

Communication System: LTE_FDD; Frequency: 831.5 MHz;Duty Cycle: 1:1
Medium: HSL835_0430 Medium parameters used: f = 831.5 MHz; σ = 0.91 S/m; ε_r = 42.409; ρ = 1000 kg/m^3
Ambient Temperature：23.4℃; Liquid Temperature：22.7℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3708; ConvF(9.23, 9.23, 9.23) @ 831.5 MHz; Calibrated: 2023/10/30
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn546; Calibrated: 2023/09/14
- Phantom: SAM Right ; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

-Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.124 W/kg

-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 5.405 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 0.136 W/kg
SAR(1 g) = 0.105 W/kg; SAR(10 g) = 0.080 W/kg
Smallest distance from peaks to all points 3 dB below: Larger than measurement grid
Ratio of SAR at M2 to SAR at M1 = 79.2%
Maximum value of SAR (measured) = 0.121 W/kg



0 dB = 0.121 W/kg

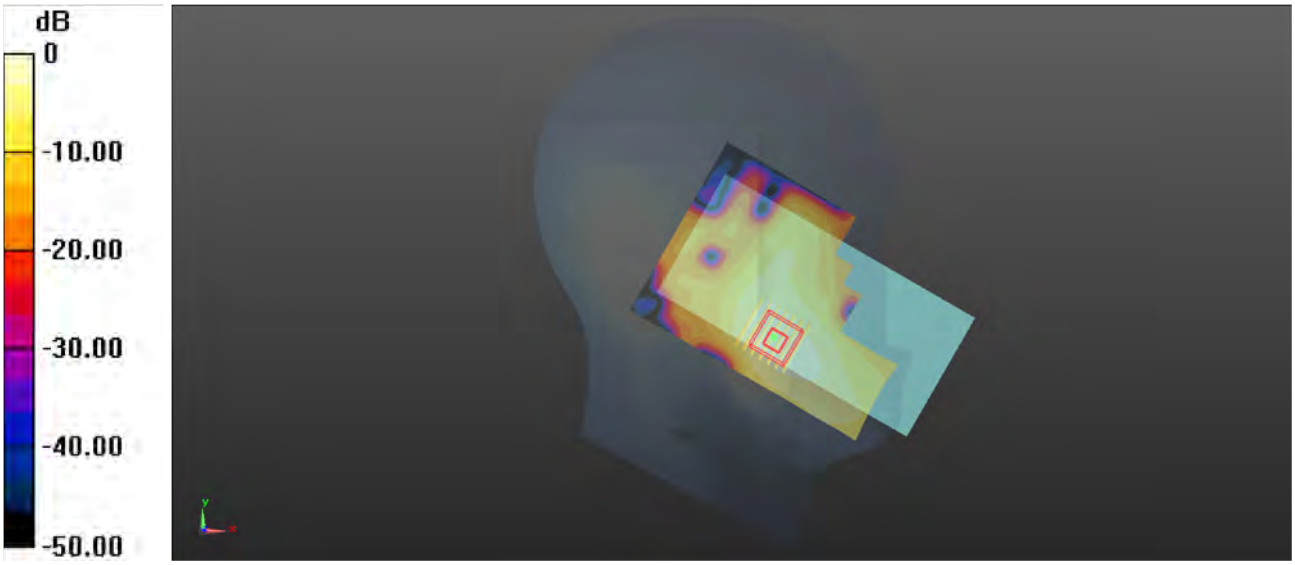
P11 LTE 38_QPSK20M_Left Cheek_Ch37850_50RB_OS0_Ant0

Communication System: LTE_TDD; Frequency: 2580 MHz;Duty Cycle: 1:1.59
Medium: HSL2600_0501 Medium parameters used: f = 2580 MHz; σ = 1.92 S/m; ε_r = 37.815; ρ = 1000 kg/m^3
Ambient Temperature：23.5℃; Liquid Temperature：22.5℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3708; ConvF(7.43, 7.43, 7.43) @ 2580 MHz; Calibrated: 2023/10/30
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn546; Calibrated: 2023/09/14
- Phantom: SAM Right ; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

-Area Scan (91x151x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.224 W/kg

-Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 2.826 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 0.289 W/kg
SAR(1 g) = 0.161 W/kg; SAR(10 g) = 0.088 W/kg
Smallest distance from peaks to all points 3 dB below = 12.2 mm
Ratio of SAR at M2 to SAR at M1 = 57.2%
Maximum value of SAR (measured) = 0.223 W/kg



0 dB = 0.223 W/kg

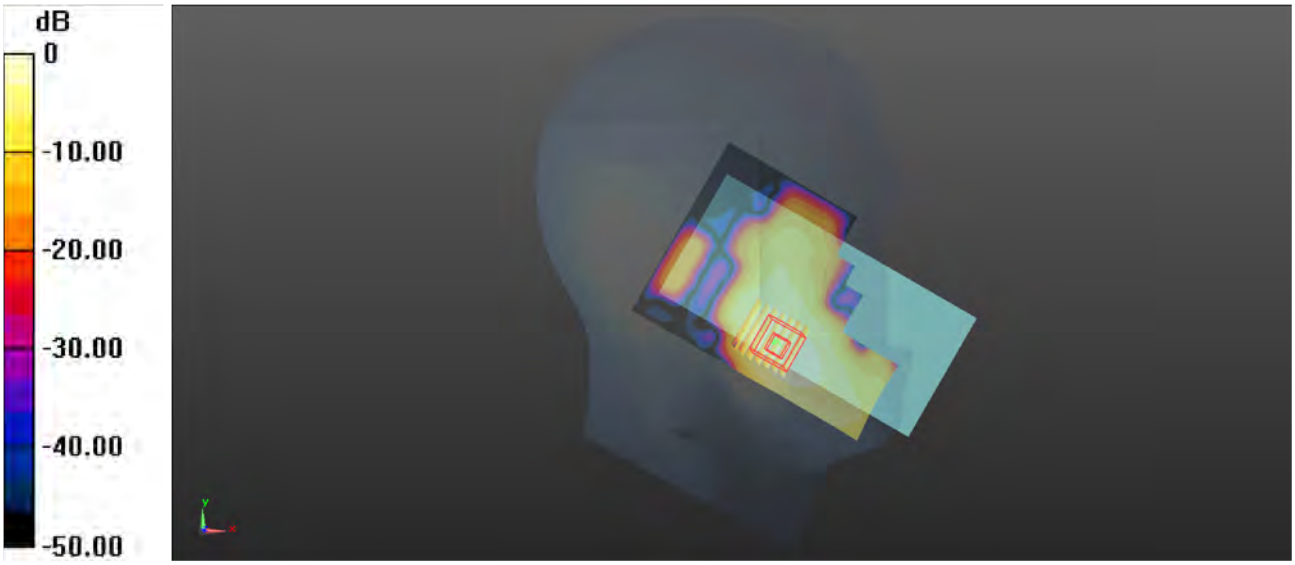
P12 LTE 41_QPSK20M_Left Cheek_Ch41490_1RB_OS0_Ant0

Communication System: LTE_TDD; Frequency: 2680 MHz;Duty Cycle: 1:2.33
Medium: HSL2600_0508 Medium parameters used: f = 2680 MHz; σ = 1.946 S/m; ε_r = 39.218; ρ = 1000 kg/m^3
Ambient Temperature：23.7℃; Liquid Temperature：22.5℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3708; ConvF(7.43, 7.43, 7.43) @ 2680 MHz; Calibrated: 2023/10/30
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn546; Calibrated: 2023/09/14
- Phantom: SAM Right ; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

-Area Scan (91x151x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.169 W/kg

-Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 2.285 V/m; Power Drift = -0.09 dB
Peak SAR (extrapolated) = 0.225 W/kg
SAR(1 g) = 0.126 W/kg; SAR(10 g) = 0.067 W/kg
Smallest distance from peaks to all points 3 dB below = 11.1 mm
Ratio of SAR at M2 to SAR at M1 = 55.5%
Maximum value of SAR (measured) = 0.170 W/kg



0 dB = 0.170 W/kg

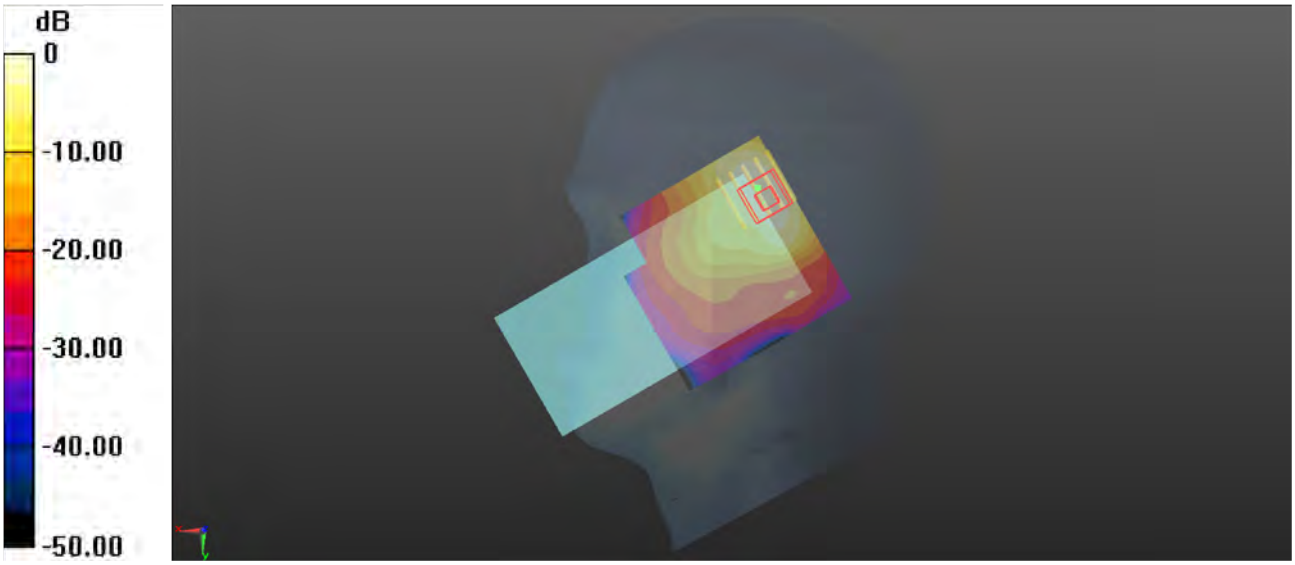
P13 LTE 66_QPSK20M_Right Cheek_Ch132572_50RB_OS50_Ant3

Communication System: LTE_FDD; Frequency: 1770 MHz;Duty Cycle: 1:1
Medium: HSL1750_0502 Medium parameters used: f = 1770 MHz; σ = 1.359 S/m; ε_r = 39.436; ρ = 1000 kg/m^3
Ambient Temperature：23.3℃; Liquid Temperature：22.5℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3708; ConvF(8.38, 8.38, 8.38) @ 1770 MHz; Calibrated: 2023/10/30
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn546; Calibrated: 2023/09/14
- Phantom: SAM Right ; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

-Area Scan (71x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.19 W/kg

-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 15.31 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 1.48 W/kg
SAR(1 g) = 0.769 W/kg; SAR(10 g) = 0.390 W/kg
Smallest distance from peaks to all points 3 dB below = 8.6 mm
Ratio of SAR at M2 to SAR at M1 = 56%
Maximum value of SAR (measured) = 1.13 W/kg



0 dB = 1.13 W/kg

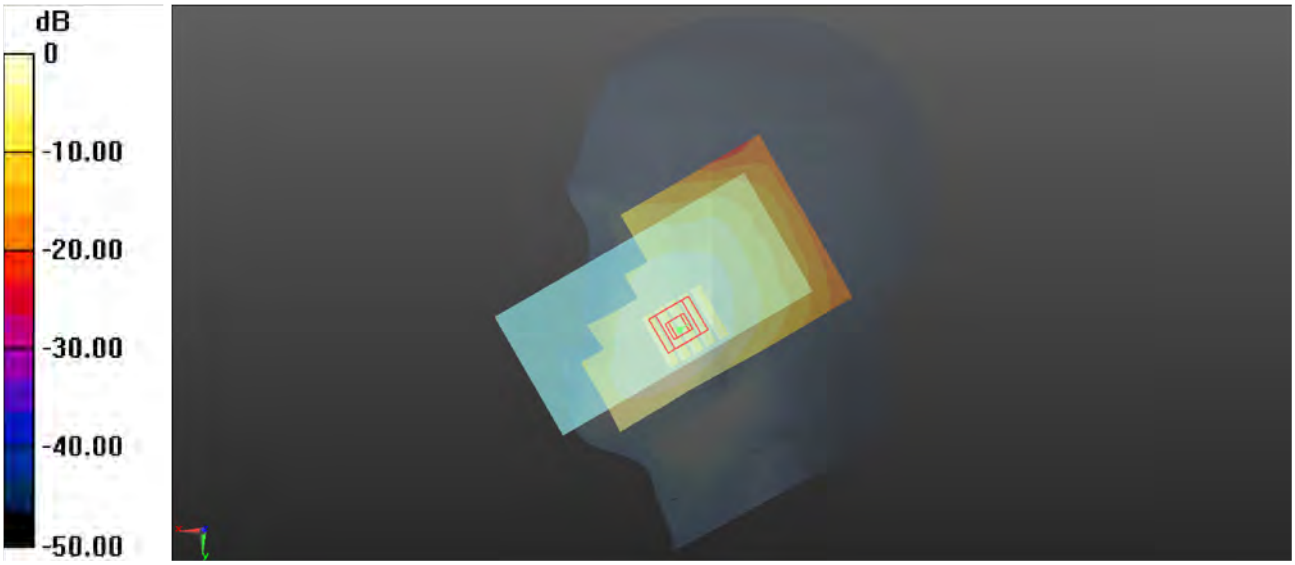
P14 LTE 71_QPSK20M_Right Cheek_Ch133322_50RB_OS0_Ant0

Communication System: LTE_FDD; Frequency: 683 MHz;Duty Cycle: 1:1
Medium: HSL750_0429 Medium parameters used: f = 683 MHz; σ = 0.852 S/m; ε_r = 42.72; ρ = 1000 kg/m^3
Ambient Temperature：23.1℃; Liquid Temperature：22.3℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3708; ConvF(9.34, 9.34, 9.34) @ 683 MHz; Calibrated: 2023/10/30
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn546; Calibrated: 2023/09/14
- Phantom: SAM Right ; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

-Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.0916 W/kg

-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.361 V/m; Power Drift = 0.16 dB
Peak SAR (extrapolated) = 0.0980 W/kg
SAR(1 g) = 0.081 W/kg; SAR(10 g) = 0.063 W/kg
Smallest distance from peaks to all points 3 dB below: Larger than measurement grid
Ratio of SAR at M2 to SAR at M1 = 80.5%
Maximum value of SAR (measured) = 0.0887 W/kg



0 dB = 0.0887 W/kg

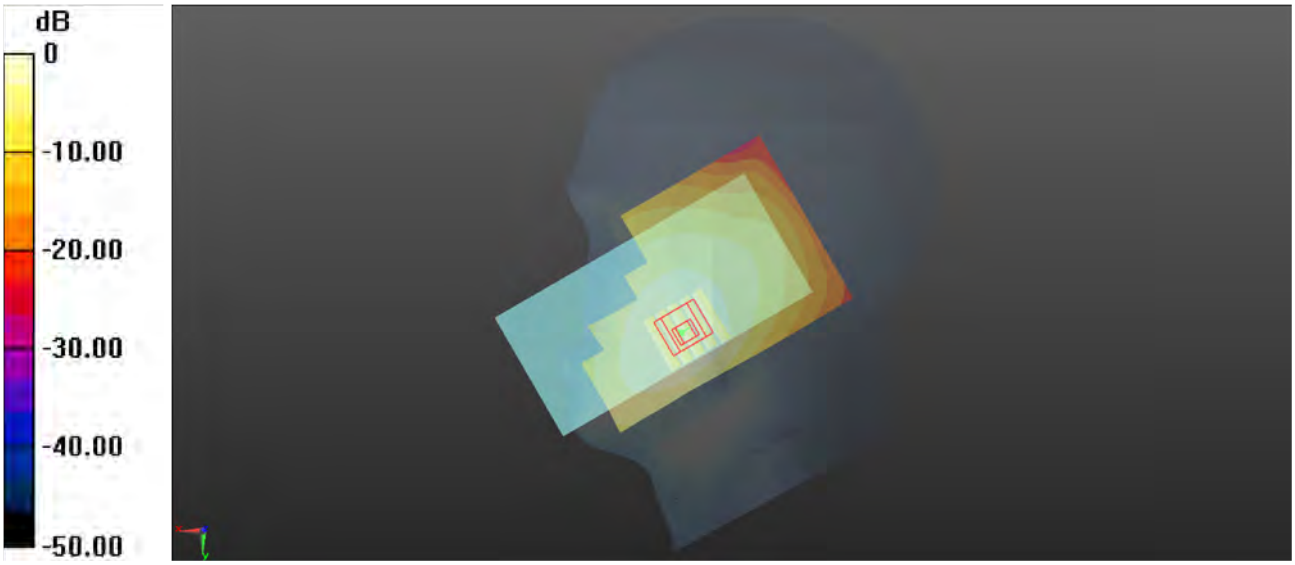
P15 NR N5_QPSK20M SCS15K_Right Cheek_Ch167300_1RB_OS1_Ant0

Communication System: NR; Frequency: 836.5 MHz;Duty Cycle: 1:1
Medium: HSL835_0430 Medium parameters used: f = 836.5 MHz; σ = 0.911 S/m; ε_r = 42.392; ρ = 1000 kg/m^3
Ambient Temperature：23.4℃; Liquid Temperature：22.7℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3708; ConvF(9.23, 9.23, 9.23) @ 836.5 MHz; Calibrated: 2023/10/30
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn546; Calibrated: 2023/09/14
- Phantom: SAM Right ; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

-Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.245 W/kg

-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 5.500 V/m; Power Drift = 0.09 dB
Peak SAR (extrapolated) = 0.276 W/kg
SAR(1 g) = 0.206 W/kg; SAR(10 g) = 0.153 W/kg
Smallest distance from peaks to all points 3 dB below: Larger than measurement grid
Ratio of SAR at M2 to SAR at M1 = 78%
Maximum value of SAR (measured) = 0.239 W/kg



0 dB = 0.239 W/kg

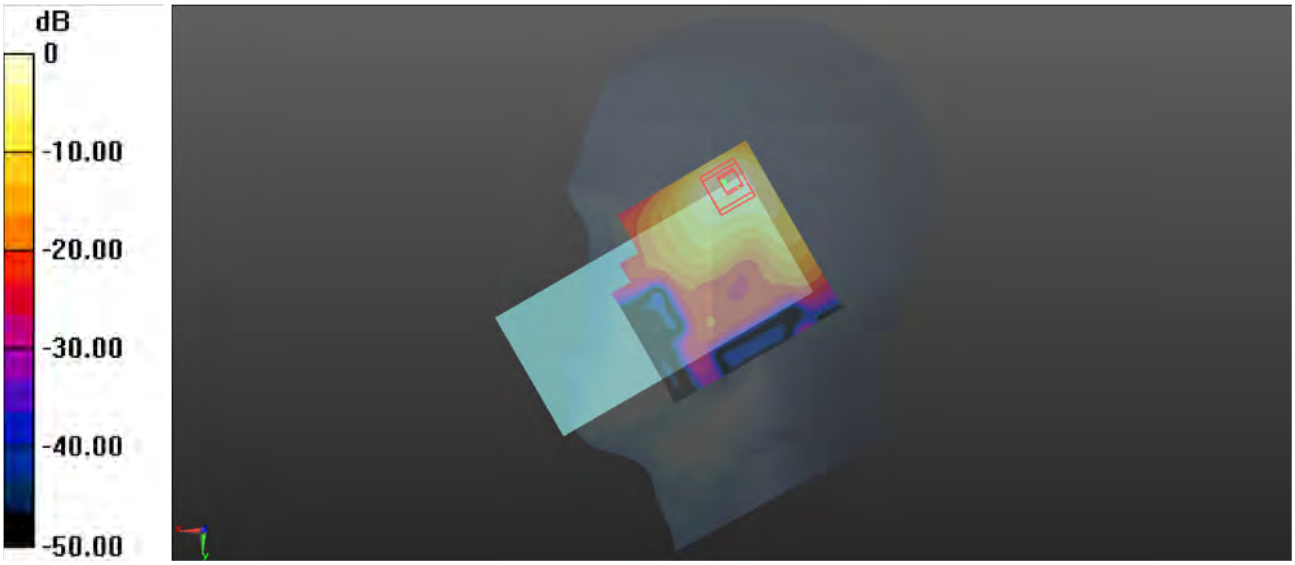
P16 NR N7_QPSK20M SCS15K_Right Cheek_Ch502000_1RB_OS1_Ant3

Communication System: NR; Frequency: 2510 MHz;Duty Cycle: 1:1
Medium: HSL2600_0510 Medium parameters used: f = 2510 MHz; σ = 1.869 S/m; ε_r = 39.453; ρ = 1000 kg/m^3
Ambient Temperature：23.3℃; Liquid Temperature：22.1℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3708; ConvF(7.43, 7.43, 7.43) @ 2510 MHz; Calibrated: 2023/10/30
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn546; Calibrated: 2023/09/14
- Phantom: SAM Right ; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

-Area Scan (91x91x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.838 W/kg

-Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 8.535 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 1.35 W/kg
SAR(1 g) = 0.569 W/kg; SAR(10 g) = 0.247 W/kg
Smallest distance from peaks to all points 3 dB below = 6.7 mm
Ratio of SAR at M2 to SAR at M1 = 43.4%
Maximum value of SAR (measured) = 0.901 W/kg



0 dB = 0.901 W/kg

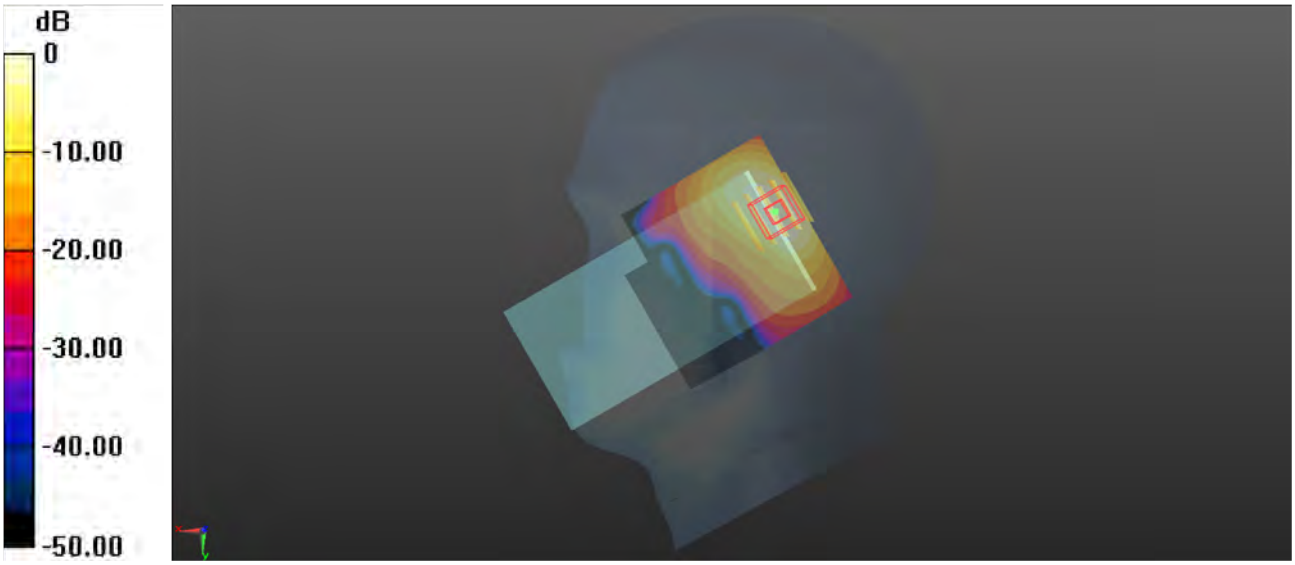
P17 NR N25_QPSK20M SCS15K_Right Tilted_Ch376500_50RB_OS0_Ant3

Communication System: NR; Frequency: 1882.5 MHz;Duty Cycle: 1:1
Medium: HSL1900_0506 Medium parameters used: f = 1882.5 MHz; σ = 1.381 S/m; ε_r = 38.632; ρ = 1000 kg/m^3
Ambient Temperature：23.5℃; Liquid Temperature：22.5℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3708; ConvF(8.41, 8.41, 8.41) @ 1882.5 MHz; Calibrated: 2023/10/30
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn546; Calibrated: 2023/09/14
- Phantom: SAM Right ; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

-Area Scan (71x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.22 W/kg

-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 19.31 V/m; Power Drift = 0.14 dB
Peak SAR (extrapolated) = 1.56 W/kg
SAR(1 g) = 0.728 W/kg; SAR(10 g) = 0.355 W/kg
Smallest distance from peaks to all points 3 dB below = 9.3 mm
Ratio of SAR at M2 to SAR at M1 = 54.9%
Maximum value of SAR (measured) = 1.24 W/kg



0 dB = 1.24 W/kg

Test Laboratory: ritt 7 Layers SAR/HAC Testing Lab Date: 2024/05/11

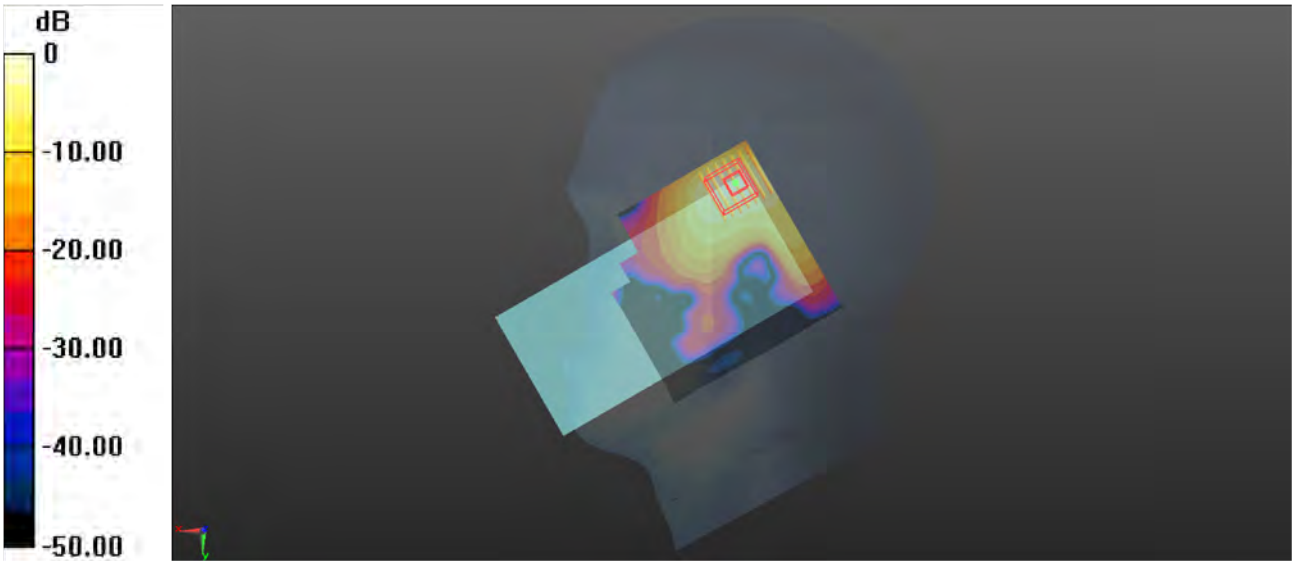
P18 NR N38_QPSK40M SCS30K_Right Cheek_Ch519000_1RB_OS1_Ant3

Communication System: NR; Frequency: 2595 MHz;Duty Cycle: 1:1
Medium: HSL2600_0511 Medium parameters used: f = 2595 MHz; σ = 1.886 S/m; ε_r = 39.411; ρ = 1000 kg/m^3
Ambient Temperature：23.5℃; Liquid Temperature：22.5℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3708; ConvF(7.43, 7.43, 7.43) @ 2595 MHz; Calibrated: 2023/10/30
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn546; Calibrated: 2023/09/14
- Phantom: SAM Right ; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

-Area Scan (91x91x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.989 W/kg

-Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 8.616 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 1.71 W/kg
SAR(1 g) = 0.734 W/kg; SAR(10 g) = 0.315 W/kg
Smallest distance from peaks to all points 3 dB below = 6.7 mm
Ratio of SAR at M2 to SAR at M1 = 44.5%
Maximum value of SAR (measured) = 1.21 W/kg



0 dB = 1.21 W/kg

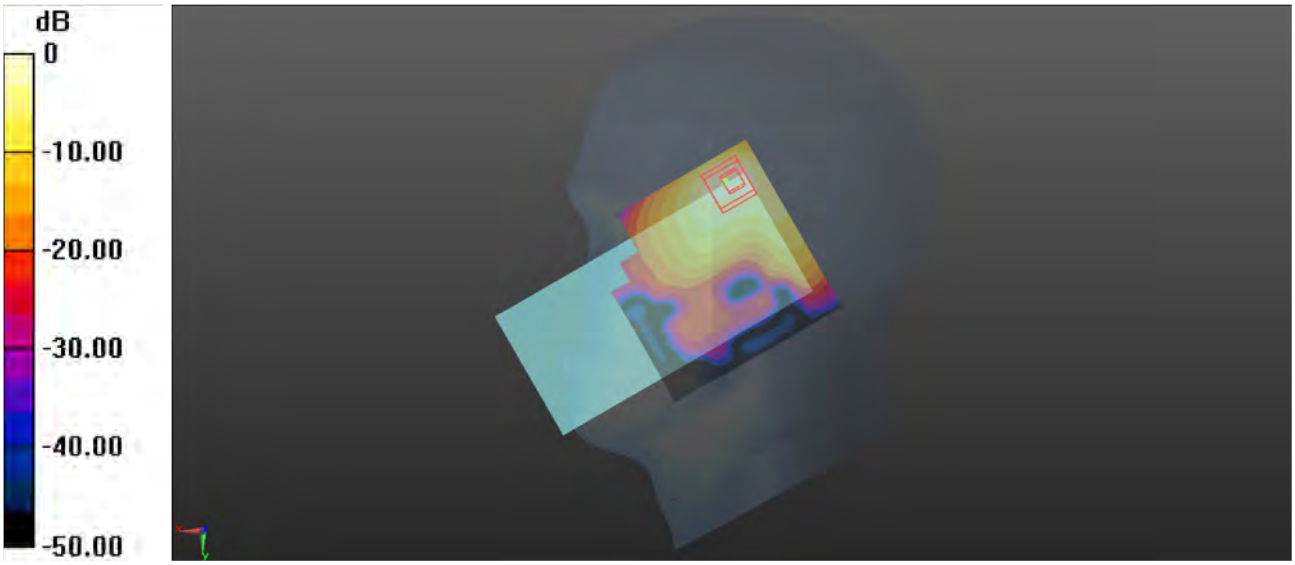
P19 NR N41_QPSK100M SCS30K_Right Cheek_Ch509202_1RB_OS1_Ant3

Communication System: NR; Frequency: 2546.01 MHz;Duty Cycle: 1:1
Medium: HSL2600_0508 Medium parameters used: f = 2546.01 MHz; σ = 1.844 S/m; ε_r = 39.46; ρ = 1000 kg/m^3
Ambient Temperature：23.7℃; Liquid Temperature：22.5℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3708; ConvF(7.43, 7.43, 7.43) @ 2546.01 MHz; Calibrated: 2023/10/30
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn546; Calibrated: 2023/09/14
- Phantom: SAM Right ; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

-Area Scan (91x91x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.802 W/kg

-Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 9.109 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 1.29 W/kg
SAR(1 g) = 0.571 W/kg; SAR(10 g) = 0.250 W/kg
Smallest distance from peaks to all points 3 dB below = 7.2 mm
Ratio of SAR at M2 to SAR at M1 = 43.4%
Maximum value of SAR (measured) = 0.894 W/kg



0 dB = 0.894 W/kg

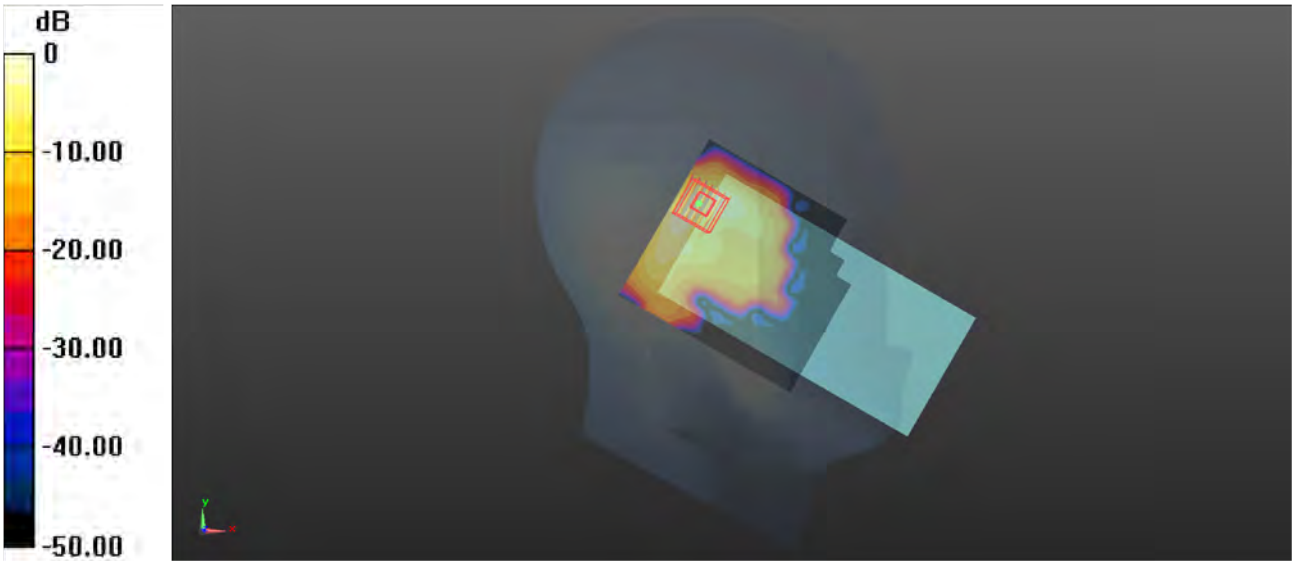
P20 NR N48_QPSK40M SCS30K_Left Cheek_Ch641666_1RB_OS1_Ant6

Communication System: NR; Frequency: 3624.99 MHz;Duty Cycle: 1:1
Medium: HSL3700_0514 Medium parameters used: f = 3624.99 MHz; σ = 2.938 S/m; ε_r = 39.487; ρ = 1000 kg/m^3
Ambient Temperature：23.5℃; Liquid Temperature：22.6℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3708; ConvF(6.54, 6.54, 6.54) @ 3624.99 MHz; Calibrated: 2023/10/30
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn546; Calibrated: 2023/09/14
- Phantom: SAM Right ; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

-Area Scan (101x111x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 1.04 W/kg

-Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 6.545 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 1.76 W/kg
SAR(1 g) = 0.534 W/kg; SAR(10 g) = 0.217 W/kg
Smallest distance from peaks to all points 3 dB below = 5.7 mm
Ratio of SAR at M2 to SAR at M1 = 64.6%
Maximum value of SAR (measured) = 1.08 W/kg



0 dB = 1.08 W/kg

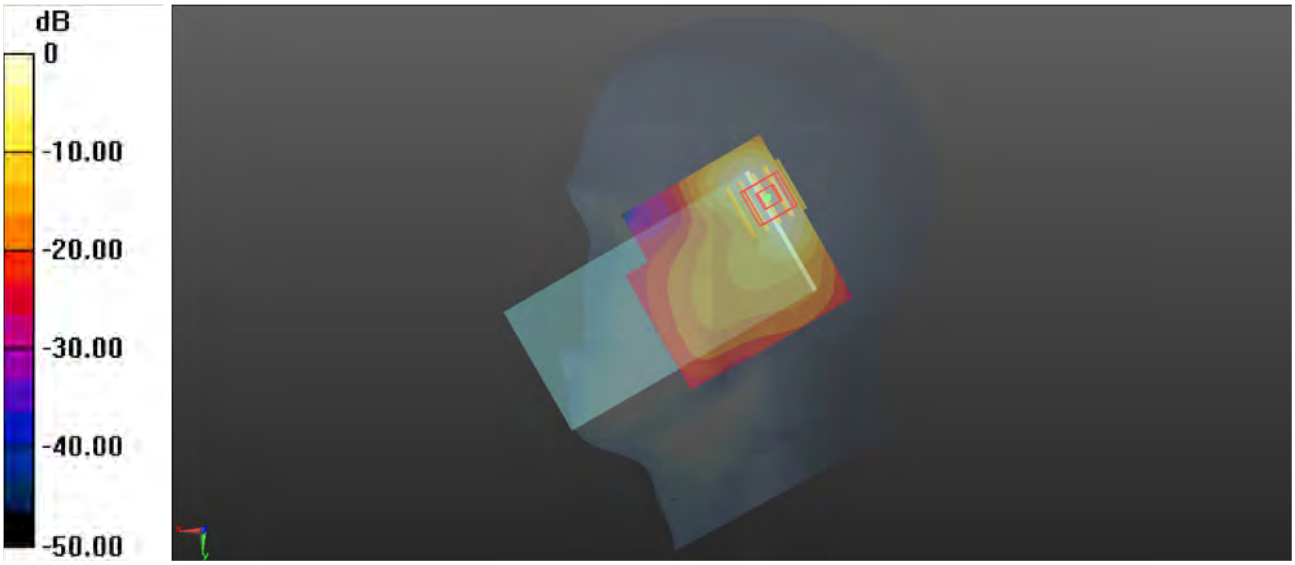
P21 NR N66_QPSK20M SCS15K_Right Tilted_Ch354000_1RB_OS1_Ant3

Communication System: NR; Frequency: 1770 MHz;Duty Cycle: 1:1
Medium: HSL1750_0503 Medium parameters used: f = 1770 MHz; σ = 1.374 S/m; ε_r = 40.375; ρ = 1000 kg/m^3
Ambient Temperature：23.7℃; Liquid Temperature：22.6℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3708; ConvF(8.38, 8.38, 8.38) @ 1770 MHz; Calibrated: 2023/10/30
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn546; Calibrated: 2023/09/14
- Phantom: SAM Right ; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

-Area Scan (71x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.40 W/kg

-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 18.96 V/m; Power Drift = -0.18 dB
Peak SAR (extrapolated) = 1.84 W/kg
SAR(1 g) = 0.824 W/kg; SAR(10 g) = 0.437 W/kg
Smallest distance from peaks to all points 3 dB below = 8.6 mm
Ratio of SAR at M2 to SAR at M1 = 50.6%
Maximum value of SAR (measured) = 1.41 W/kg



0 dB = 1.41 W/kg

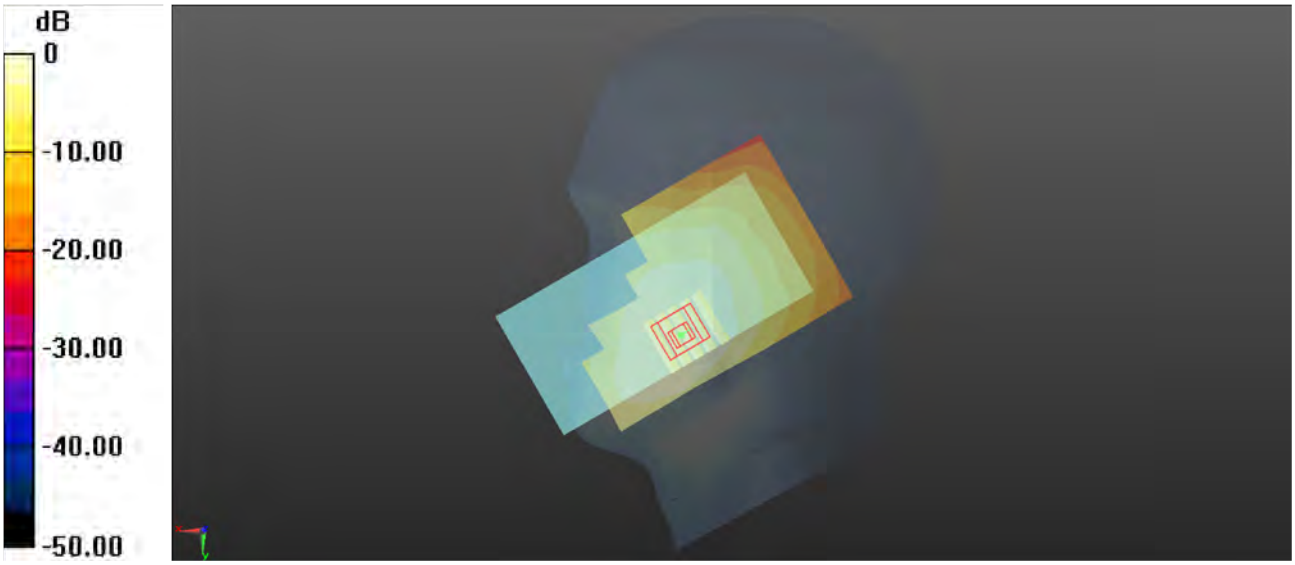
P22 NR N71_QPSK20M SCS15K_Right Cheek_Ch137600_1RB_OS1_Ant0

Communication System: NR; Frequency: 652 MHz;Duty Cycle: 1:1
Medium: HSL750_0429 Medium parameters used: f = 652 MHz; σ = 0.843 S/m; ε_r = 42.808; ρ = 1000 kg/m^3
Ambient Temperature：23.1℃; Liquid Temperature：22.3℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3708; ConvF(9.34, 9.34, 9.34) @ 652 MHz; Calibrated: 2023/10/30
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn546; Calibrated: 2023/09/14
- Phantom: SAM Right ; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

-Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.142 W/kg

-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.809 V/m; Power Drift = 0.08 dB
Peak SAR (extrapolated) = 0.155 W/kg
SAR(1 g) = 0.127 W/kg; SAR(10 g) = 0.100 W/kg
Smallest distance from peaks to all points 3 dB below: Larger than measurement grid
Ratio of SAR at M2 to SAR at M1 = 81.4%
Maximum value of SAR (measured) = 0.140 W/kg



0 dB = 0.140 W/kg

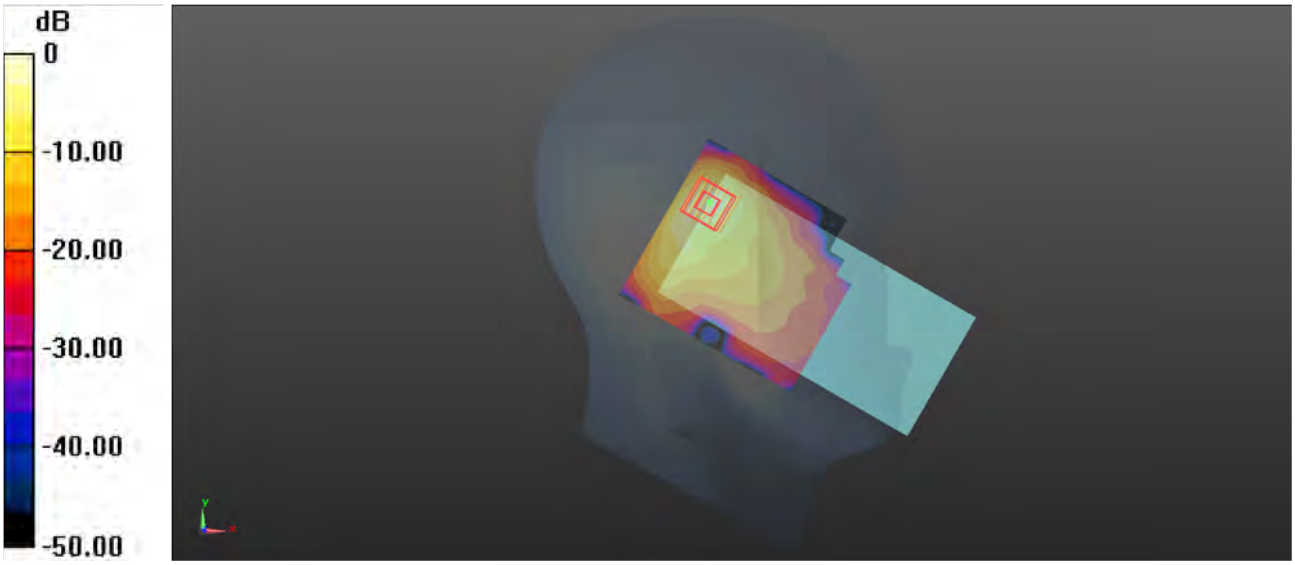
P23 NR N77_QPSK100M SCS30K_Left Cheek_Ch633334_1RB_OS1_Ant6

Communication System: NR; Frequency: 3500.01 MHz;Duty Cycle: 1:1
Medium: HSL3500_0512 Medium parameters used: f = 3500.01 MHz; σ = 2.794 S/m; ε_r = 39.129; ρ = 1000 kg/m^3
Ambient Temperature：23.4℃; Liquid Temperature：22.2℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3708; ConvF(6.81, 6.81, 6.81) @ 3500.01 MHz; Calibrated: 2023/10/30
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn546; Calibrated: 2023/09/14
- Phantom: SAM Right ; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

-Area Scan (101x111x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 1.40 W/kg

-Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 10.90 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 2.56 W/kg
SAR(1 g) = 0.808 W/kg; SAR(10 g) = 0.274 W/kg
Smallest distance from peaks to all points 3 dB below = 5.7 mm
Ratio of SAR at M2 to SAR at M1 = 63.8%
Maximum value of SAR (measured) = 1.56 W/kg



0 dB = 1.56 W/kg

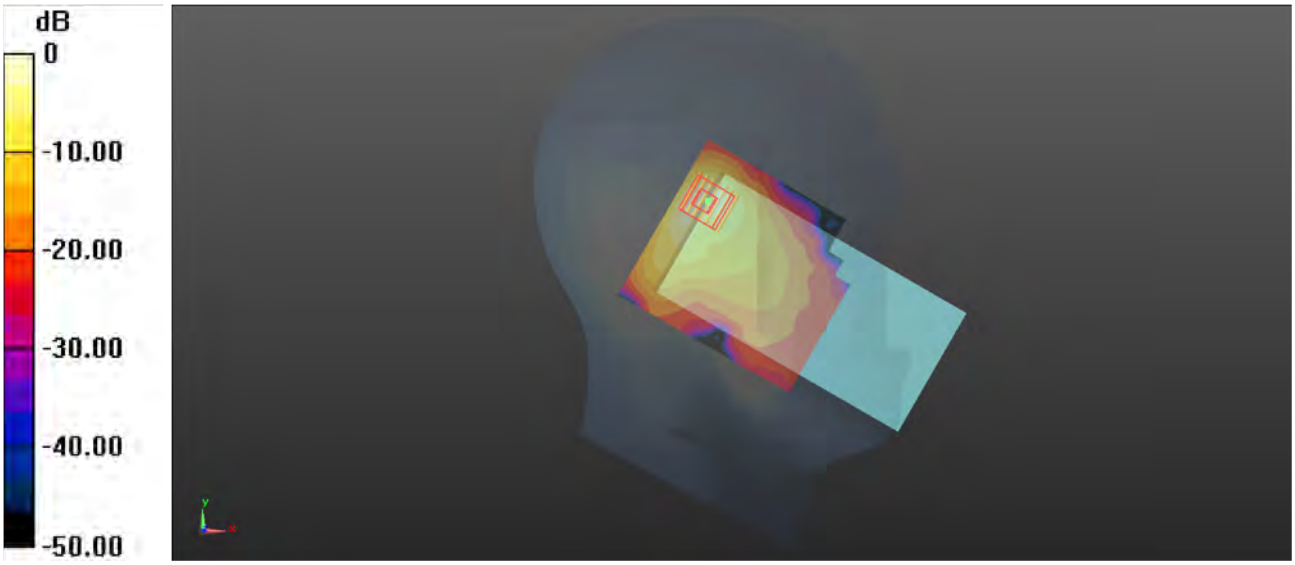
P24 NR N78_QPSK100M SCS30K_Left Tilted_Ch633334_1RB_OS1_Ant6

Communication System: NR; Frequency: 3500.01 MHz;Duty Cycle: 1:1
Medium: HSL3500_0513 Medium parameters used: f = 3500.01 MHz; σ = 2.821 S/m; ε_r = 39.687; ρ = 1000 kg/m^3
Ambient Temperature：23.3℃; Liquid Temperature：22.3℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3708; ConvF(6.81, 6.81, 6.81) @ 3500.01 MHz; Calibrated: 2023/10/30
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn546; Calibrated: 2023/09/14
- Phantom: SAM Right ; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

-Area Scan (101x111x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 2.09 W/kg

-Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 12.63 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 3.28 W/kg
SAR(1 g) = 1.09 W/kg; SAR(10 g) = 0.384 W/kg
Smallest distance from peaks to all points 3 dB below = 6.3 mm
Ratio of SAR at M2 to SAR at M1 = 63.9%
Maximum value of SAR (measured) = 2.02 W/kg



0 dB = 2.02 W/kg

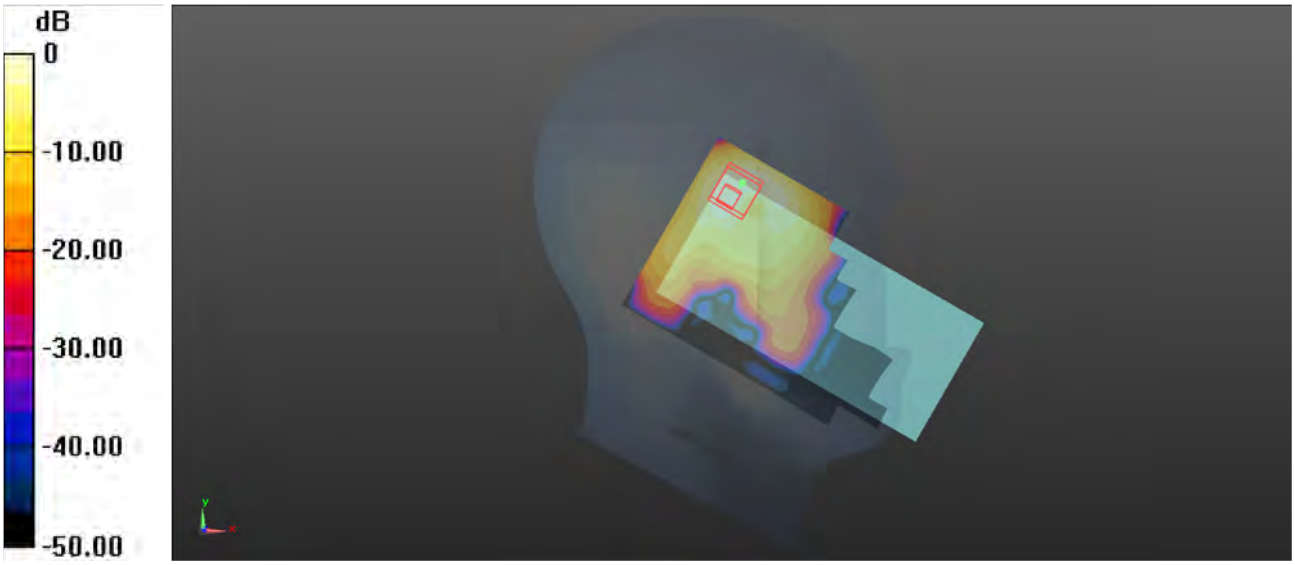
P25 WLAN2.4G_802.11b_Left Cheek_Ch6_Ant9+10

Communication System: 802.11b; Frequency: 2437 MHz;Duty Cycle: 1:1.116
Medium: HSL2450_0514 Medium parameters used: f = 2437 MHz; σ = 1.727 S/m; ε_r = 37.874; ρ = 1000 kg/m^3
Ambient Temperature：23.2℃; Liquid Temperature：22.5℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3708; ConvF(7.58, 7.58, 7.58) @ 2437 MHz; Calibrated: 2023/10/30
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn546; Calibrated: 2023/09/14
- Phantom: SAM Right ; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

-Area Scan (91x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.553 W/kg

-Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 7.480 V/m; Power Drift = 0.17 dB
Peak SAR (extrapolated) = 0.819 W/kg
SAR(1 g) = 0.377 W/kg; SAR(10 g) = 0.182 W/kg
Smallest distance from peaks to all points 3 dB below = 6.7 mm
Ratio of SAR at M2 to SAR at M1 = 42.9%
Maximum value of SAR (measured) = 0.567 W/kg



0 dB = 0.567 W/kg

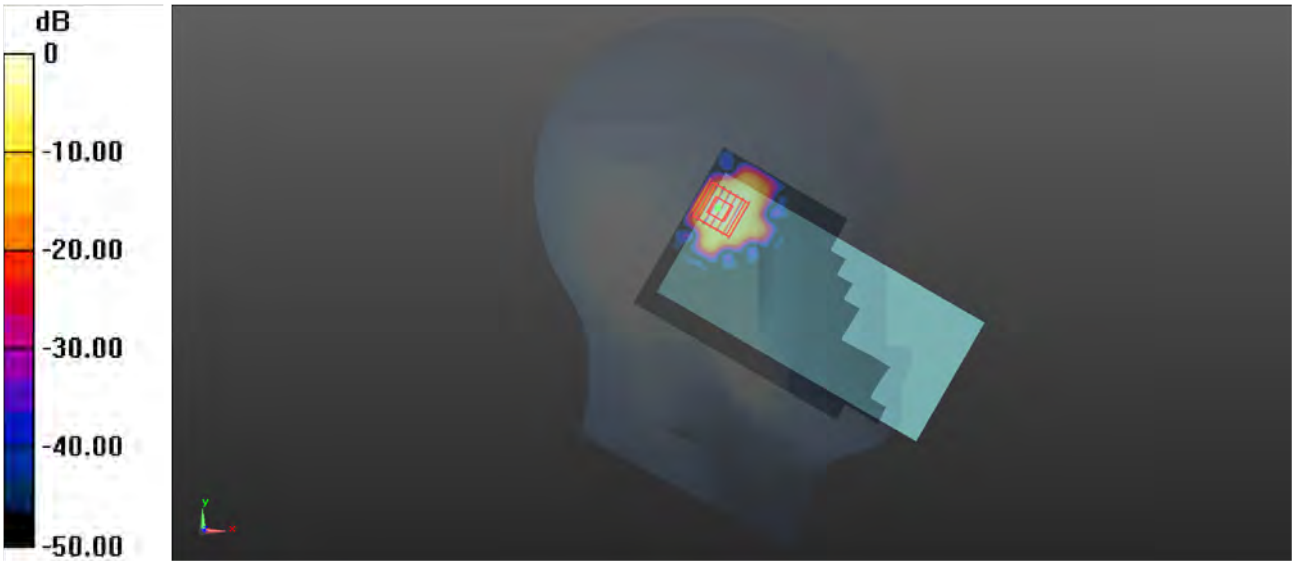
P26 WLAN5G_802.11a_Left Cheek_Ch48_Ant8+11

Communication System: 802.11a; Frequency: 5240 MHz;Duty Cycle: 1:1.123
Medium: HSL5G_0515 Medium parameters used: f = 5240 MHz; σ = 4.612 S/m; ε_r = 36.233; ρ = 1000 kg/m^3
Ambient Temperature：23.6℃; Liquid Temperature：22.8℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3708; ConvF(5.69, 5.69, 5.69) @ 5240 MHz; Calibrated: 2023/10/30
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn546; Calibrated: 2023/09/14
- Phantom: SAM Right ; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

-Area Scan (101x181x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 1.16 W/kg

-Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 3.169 V/m; Power Drift = -0.14 dB
Peak SAR (extrapolated) = 1.43 W/kg
SAR(1 g) = 0.361 W/kg; SAR(10 g) = 0.094 W/kg
Smallest distance from peaks to all points 3 dB below = 5.8 mm
Ratio of SAR at M2 to SAR at M1 = 53.9%
Maximum value of SAR (measured) = 0.827 W/kg



0 dB = 0.827 W/kg

Test Laboratory: ritt 7 Layers SAR/HAC Testing Lab Date: 2024/05/15

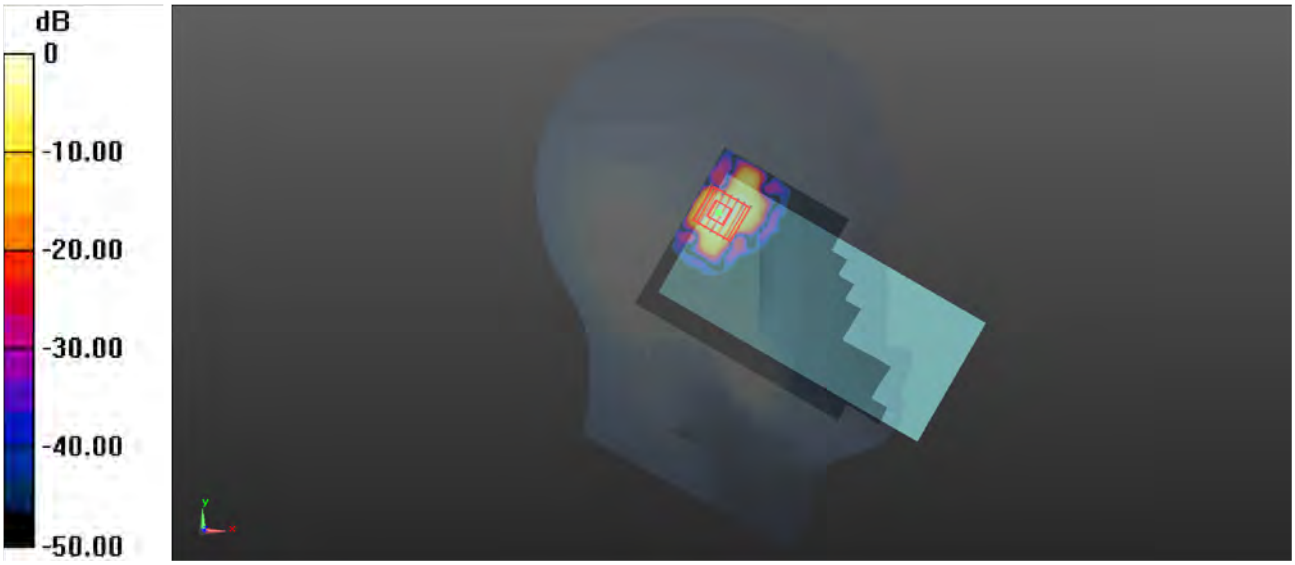
P27 WLAN5G_802.11a_Left Cheek_Ch64_Ant8+11

Communication System: 802.11a; Frequency: 5320 MHz;Duty Cycle: 1:1.123
Medium: HSL5G_0515 Medium parameters used: f = 5320 MHz; σ = 4.66 S/m; ε_r = 35.987; ρ = 1000 kg/m^3
Ambient Temperature：23.6℃; Liquid Temperature：22.8℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3708; ConvF(5.57, 5.57, 5.57) @ 5320 MHz; Calibrated: 2023/10/30
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn546; Calibrated: 2023/09/14
- Phantom: SAM Right ; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

-Area Scan (101x181x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.319 W/kg

-Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 3.109 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 0.715 W/kg
SAR(1 g) = 0.176 W/kg; SAR(10 g) = 0.046 W/kg
Smallest distance from peaks to all points 3 dB below = 5.8 mm
Ratio of SAR at M2 to SAR at M1 = 53.7%
Maximum value of SAR (measured) = 0.398 W/kg



0 dB = 0.398 W/kg

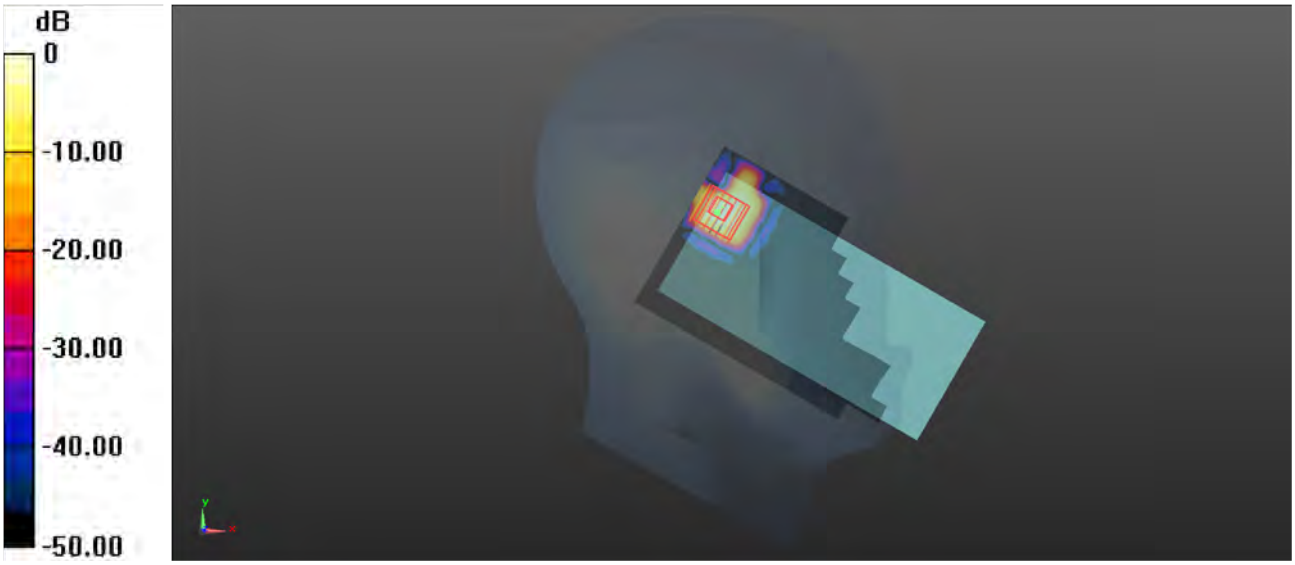
P28 WLAN5G_802.11a_Left Cheek_Ch100_Ant8+11

Communication System: 802.11a; Frequency: 5500 MHz;Duty Cycle: 1:1.123
Medium: HSL5G_0515 Medium parameters used: f = 5500 MHz; σ = 4.885 S/m; ε_r = 35.76; ρ = 1000 kg/m^3
Ambient Temperature：23.6℃; Liquid Temperature：22.8℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3708; ConvF(5.21, 5.21, 5.21) @ 5500 MHz; Calibrated: 2023/10/30
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn546; Calibrated: 2023/09/14
- Phantom: SAM Right ; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

-Area Scan (101x181x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 1.21 W/kg

-Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 2.821 V/m; Power Drift = -0.07 dB
Peak SAR (extrapolated) = 1.36 W/kg
SAR(1 g) = 0.347 W/kg; SAR(10 g) = 0.090 W/kg
Smallest distance from peaks to all points 3 dB below = 6.3 mm
Ratio of SAR at M2 to SAR at M1 = 54.4%
Maximum value of SAR (measured) = 0.761 W/kg



0 dB = 0.761 W/kg

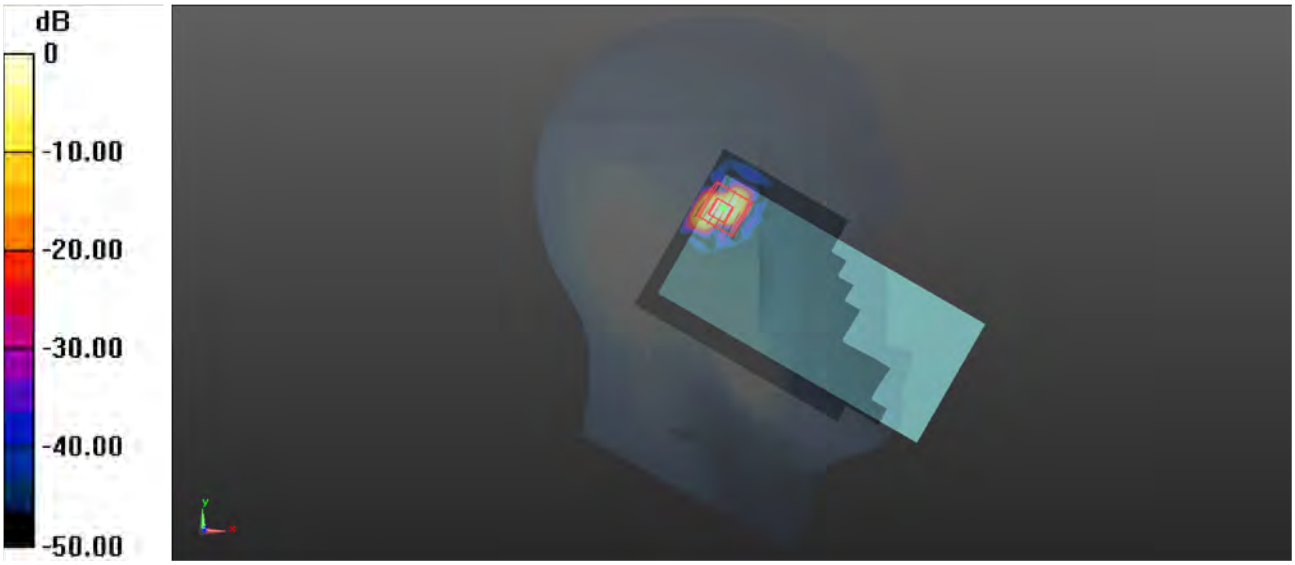
P29 WLAN5G_802.11ax-HE40_Left Cheek_Ch151_Ant8+11

Communication System: 802.11ax-HE40; Frequency: 5755 MHz;Duty Cycle: 1:1.117
Medium: HSL5G_0515 Medium parameters used: f = 5755 MHz; σ = 5.131 S/m; ε_r = 35.361; ρ = 1000 kg/m^3
Ambient Temperature：23.6℃; Liquid Temperature：22.8℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3708; ConvF(5.21, 5.21, 5.21) @ 5755 MHz; Calibrated: 2023/10/30
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn546; Calibrated: 2023/09/14
- Phantom: SAM Right ; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

-Area Scan (101x181x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.355 W/kg

-Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 0.9090 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 0.407 W/kg
SAR(1 g) = 0.092 W/kg; SAR(10 g) = 0.021 W/kg
Smallest distance from peaks to all points 3 dB below = 5.4 mm
Ratio of SAR at M2 to SAR at M1 = 47.8%
Maximum value of SAR (measured) = 0.211 W/kg



0 dB = 0.211 W/kg

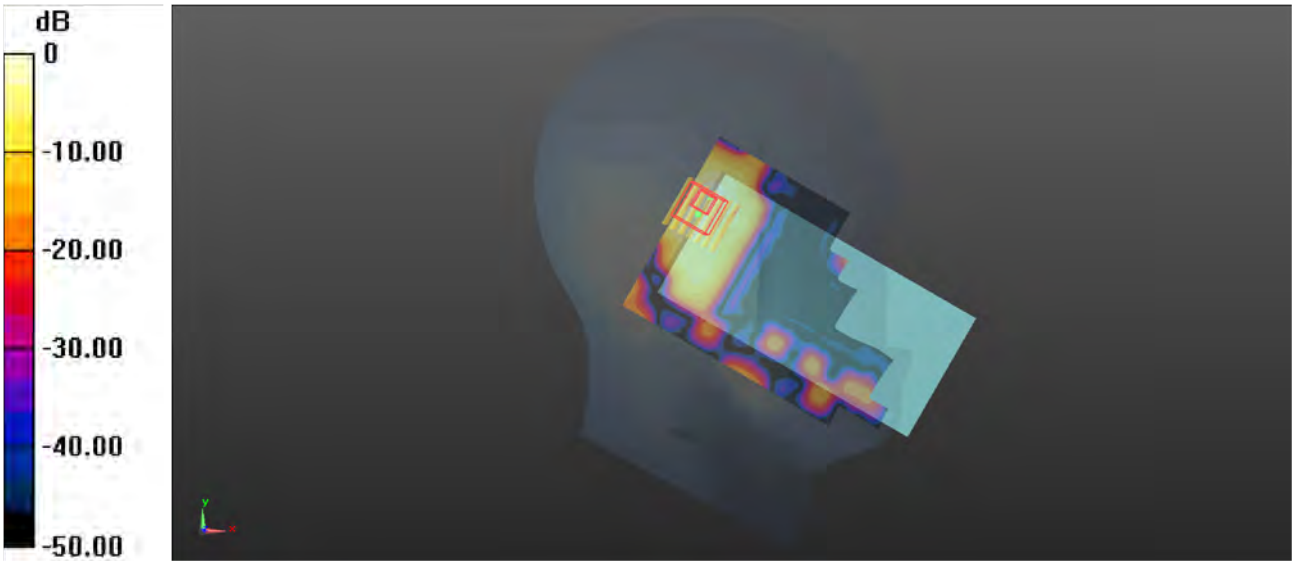
P30 BT_GFSK_Left Tilted_Ch0_Ant10

Communication System: BT; Frequency: 2402 MHz;Duty Cycle: 1:1.299
Medium: HSL2450_0514 Medium parameters used: f = 2402 MHz; σ = 1.703 S/m; ε_r = 37.919; ρ = 1000 kg/m^3
Ambient Temperature：23.2℃; Liquid Temperature：22.5℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3708; ConvF(7.58, 7.58, 7.58) @ 2402 MHz; Calibrated: 2023/10/30
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn546; Calibrated: 2023/09/14
- Phantom: SAM Right ; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

-Area Scan (91x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.0980 W/kg

-Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 4.271 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 0.109 W/kg
SAR(1 g) = 0.061 W/kg; SAR(10 g) = 0.030 W/kg
Smallest distance from peaks to all points 3 dB below: Larger than measurement grid
Ratio of SAR at M2 to SAR at M1 = 40.7%
Maximum value of SAR (measured) = 0.0952 W/kg



0 dB = 0.0952 W/kg

Test Laboratory: ritt 7 Layers SAR/HAC Testing Lab Date: 2024/04/30

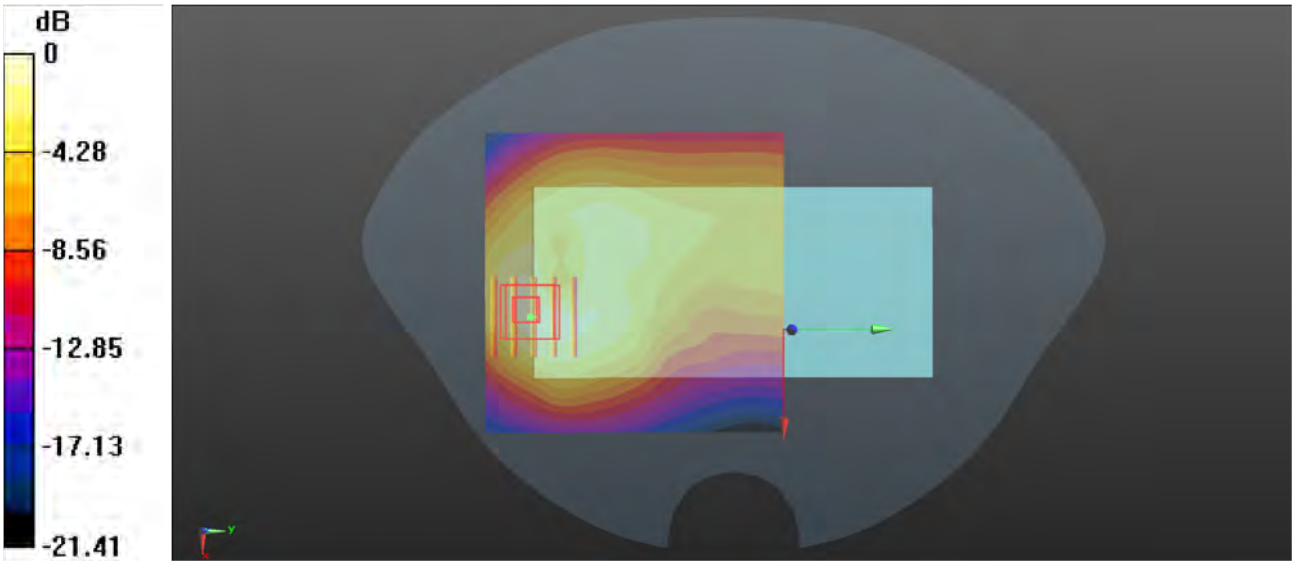
P31 GSM850_GPRS 2Tx Slot_Rear Face_1cm_Ch189_Ant0

Communication System: GPRS 2Tx Slot; Frequency: 836.4 MHz;Duty Cycle: 1:4.15
Medium: HSL835_0430 Medium parameters used: f = 836.4 MHz; σ = 0.911 S/m; ε_r = 42.392; ρ = 1000 kg/m^3
Ambient Temperature：23.4℃; Liquid Temperature：22.7℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3708; ConvF(9.23, 9.23, 9.23) @ 836.4 MHz; Calibrated: 2023/10/30
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn546; Calibrated: 2023/09/14
- Phantom: SAM Right ; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

-Area Scan (81x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.468 W/kg

-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.10 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 0.723 W/kg
SAR(1 g) = 0.434 W/kg; SAR(10 g) = 0.255 W/kg
Smallest distance from peaks to all points 3 dB below = 13.6 mm
Ratio of SAR at M2 to SAR at M1 = 60.7%
Maximum value of SAR (measured) = 0.527 W/kg



0 dB = 0.527 W/kg

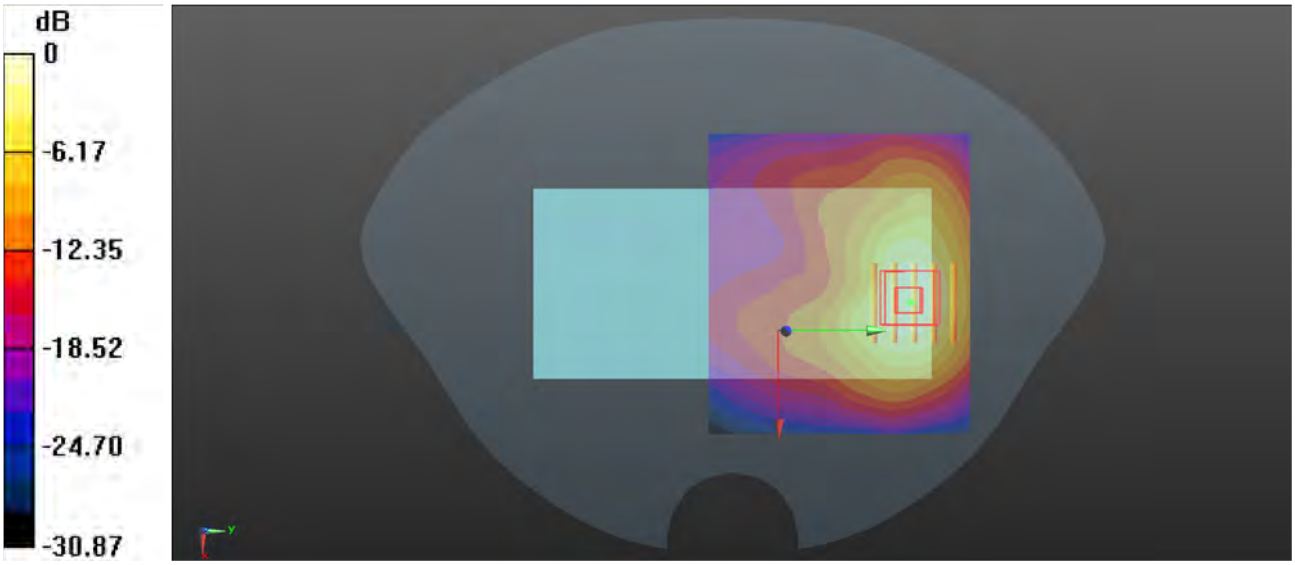
P32 GSM1900_GPRS 2Tx Slot_Rear Face_1cm_Ch661_Ant3

Communication System: GPRS 2Tx Slot; Frequency: 1880 MHz;Duty Cycle: 1:4.15
Medium: HSL1900_0504 Medium parameters used: f = 1880 MHz; σ = 1.401 S/m; ε_r = 40.03; ρ = 1000 kg/m^3
Ambient Temperature：23.4℃; Liquid Temperature：22.4℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3708; ConvF(8.41, 8.41, 8.41) @ 1880 MHz; Calibrated: 2023/10/30
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn546; Calibrated: 2023/09/14
- Phantom: SAM Right ; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

-Area Scan (81x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.681 W/kg

-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.633 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 0.979 W/kg
SAR(1 g) = 0.374 W/kg; SAR(10 g) = 0.194 W/kg
Smallest distance from peaks to all points 3 dB below = 12.2 mm
Ratio of SAR at M2 to SAR at M1 = 61.1%
Maximum value of SAR (measured) = 0.709 W/kg



0 dB = 0.709 W/kg

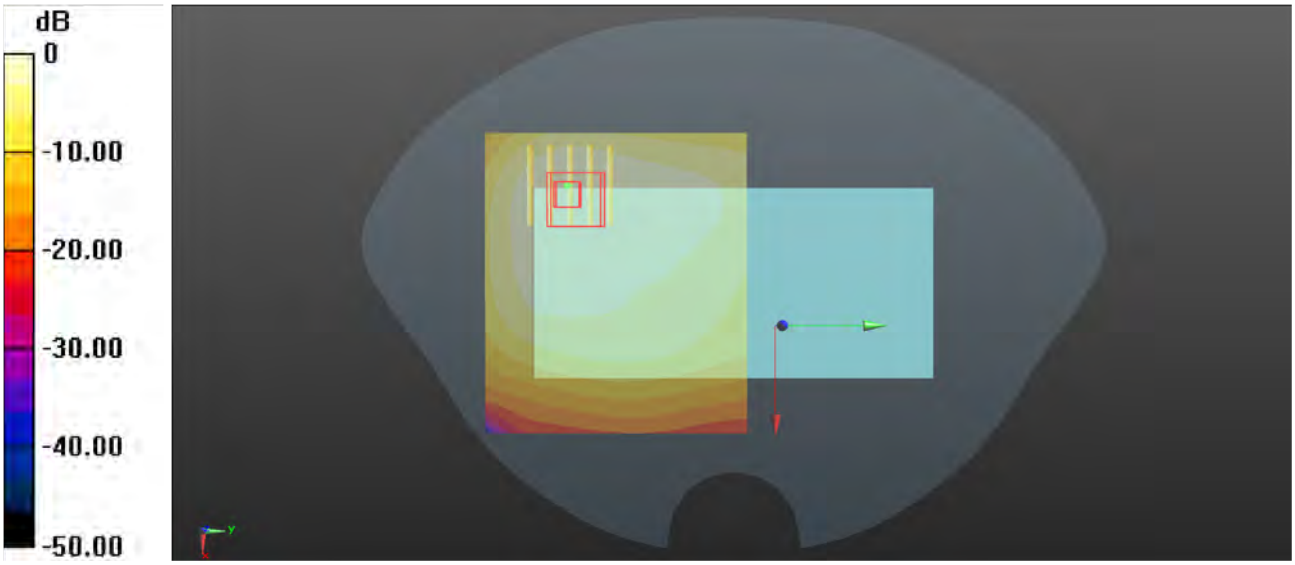
P33 WCDMA II_RMC12.2K_Front Face_1cm_Ch9400_Ant1

Communication System: WCDMA; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium: HSL1900_0504 Medium parameters used: f = 1880 MHz; σ = 1.401 S/m; ε_r = 40.03; ρ = 1000 kg/m^3
Ambient Temperature：23.4℃; Liquid Temperature：22.4℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3708; ConvF(8.41, 8.41, 8.41) @ 1880 MHz; Calibrated: 2023/10/30
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn546; Calibrated: 2023/09/14
- Phantom: SAM Right ; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

-Area Scan (81x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.447 W/kg

-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.516 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 0.567 W/kg
SAR(1 g) = 0.388 W/kg; SAR(10 g) = 0.208 W/kg
Smallest distance from peaks to all points 3 dB below = 17.9 mm
Ratio of SAR at M2 to SAR at M1 = 58.9%
Maximum value of SAR (measured) = 0.431 W/kg



0 dB = 0.431 W/kg

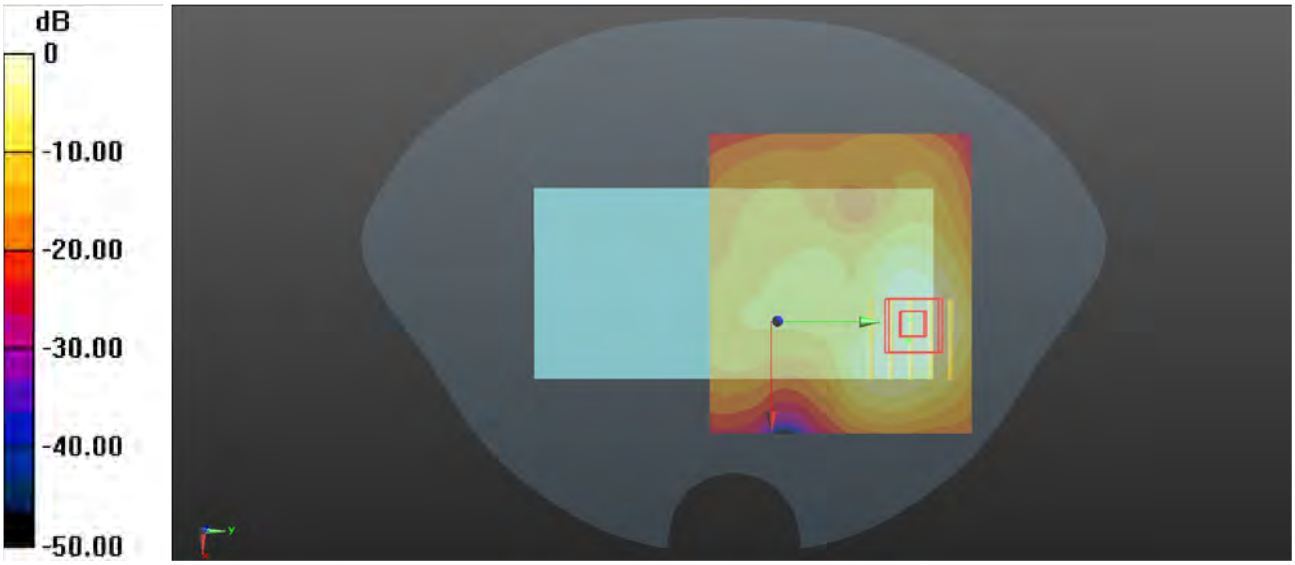
P34 WCDMA IV_RMC12.2K_Rear Face_1cm_Ch1513_Ant3

Communication System: WCDMA; Frequency: 1752.6 MHz;Duty Cycle: 1:1
Medium: HSL1750_0501 Medium parameters used: f = 1753 MHz; σ = 1.307 S/m; ε_r = 41.271; ρ = 1000 kg/m^3
Ambient Temperature：23.5℃; Liquid Temperature：22.6℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3708; ConvF(8.38, 8.38, 8.38) @ 1752.6 MHz; Calibrated: 2023/10/30
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn546; Calibrated: 2023/09/14
- Phantom: SAM Right ; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

-Area Scan (81x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.597 W/kg

-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 5.593 V/m; Power Drift = 0.14 dB
Peak SAR (extrapolated) = 0.844 W/kg
SAR(1 g) = 0.493 W/kg; SAR(10 g) = 0.251 W/kg
Smallest distance from peaks to all points 3 dB below = 11.2 mm
Ratio of SAR at M2 to SAR at M1 = 59.7%
Maximum value of SAR (measured) = 0.603 W/kg



0 dB = 0.603 W/kg

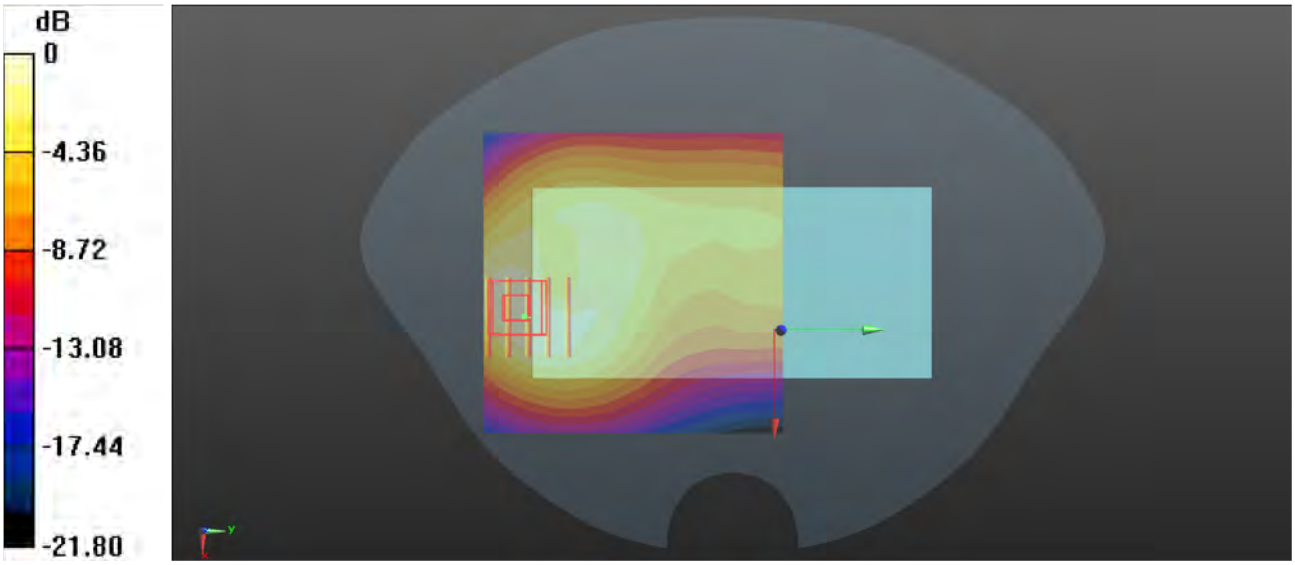
P35 WCDMA V_RMC12.2K_Rear Face_1cm_Ch4182_Ant0

Communication System: WCDMA; Frequency: 836.4 MHz;Duty Cycle: 1:1
Medium: HSL835_0430 Medium parameters used: f = 836.4 MHz; σ = 0.911 S/m; ε_r = 42.392; ρ = 1000 kg/m^3
Ambient Temperature：23.4℃; Liquid Temperature：22.7℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3708; ConvF(9.23, 9.23, 9.23) @ 836.4 MHz; Calibrated: 2023/10/30
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn546; Calibrated: 2023/09/14
- Phantom: SAM Right ; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

-Area Scan (81x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.596 W/kg

-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 13.74 V/m; Power Drift = 0.12 dB
Peak SAR (extrapolated) = 0.805 W/kg
SAR(1 g) = 0.483 W/kg; SAR(10 g) = 0.283 W/kg
Smallest distance from peaks to all points 3 dB below = 12.9 mm
Ratio of SAR at M2 to SAR at M1 = 60.3%
Maximum value of SAR (measured) = 0.572 W/kg



0 dB = 0.572 W/kg

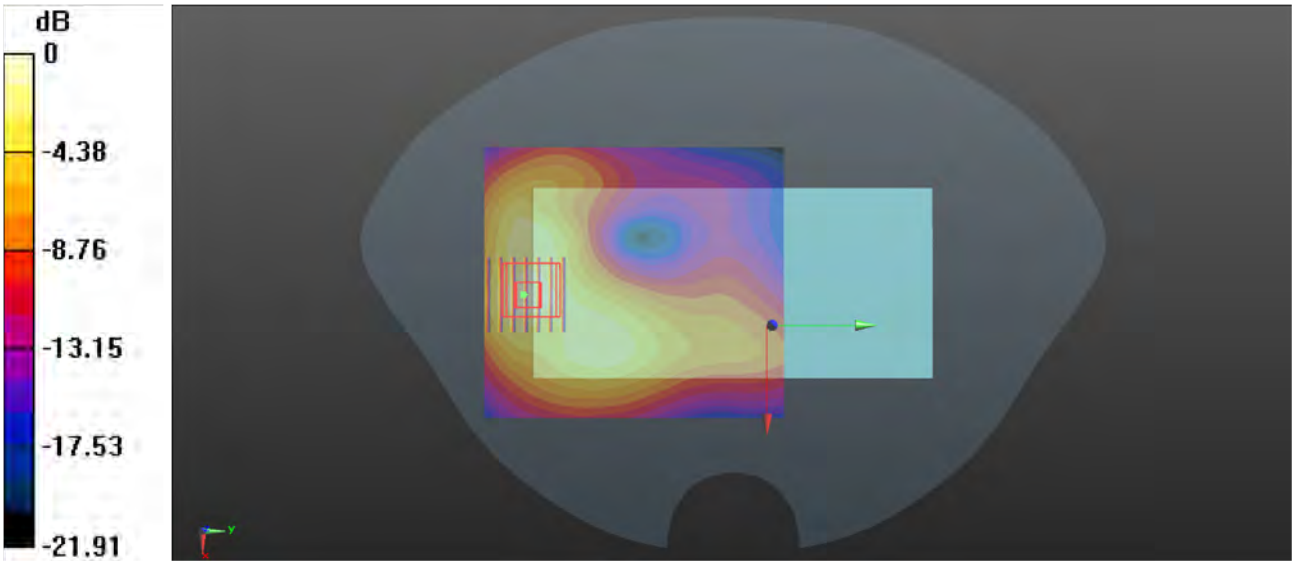
P36 LTE 7_QPSK20M_Rear Face_1cm_Ch21100_1RB_OS0_Ant0

Communication System: LTE_FDD; Frequency: 2535 MHz;Duty Cycle: 1:1
Medium: HSL2600_0507 Medium parameters used: f = 2535 MHz; σ = 1.908 S/m; ε_r = 39.038; ρ = 1000 kg/m^3
Ambient Temperature：23.2℃; Liquid Temperature：22.4℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3708; ConvF(7.43, 7.43, 7.43) @ 2535 MHz; Calibrated: 2023/10/30
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn546; Calibrated: 2023/09/14
- Phantom: SAM Right ; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

-Area Scan (91x101x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.588 W/kg

-Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 5.821 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 0.910 W/kg
SAR(1 g) = 0.387 W/kg; SAR(10 g) = 0.198 W/kg
Smallest distance from peaks to all points 3 dB below = 13 mm
Ratio of SAR at M2 to SAR at M1 = 53.1%
Maximum value of SAR (measured) = 0.599 W/kg



0 dB = 0.599 W/kg

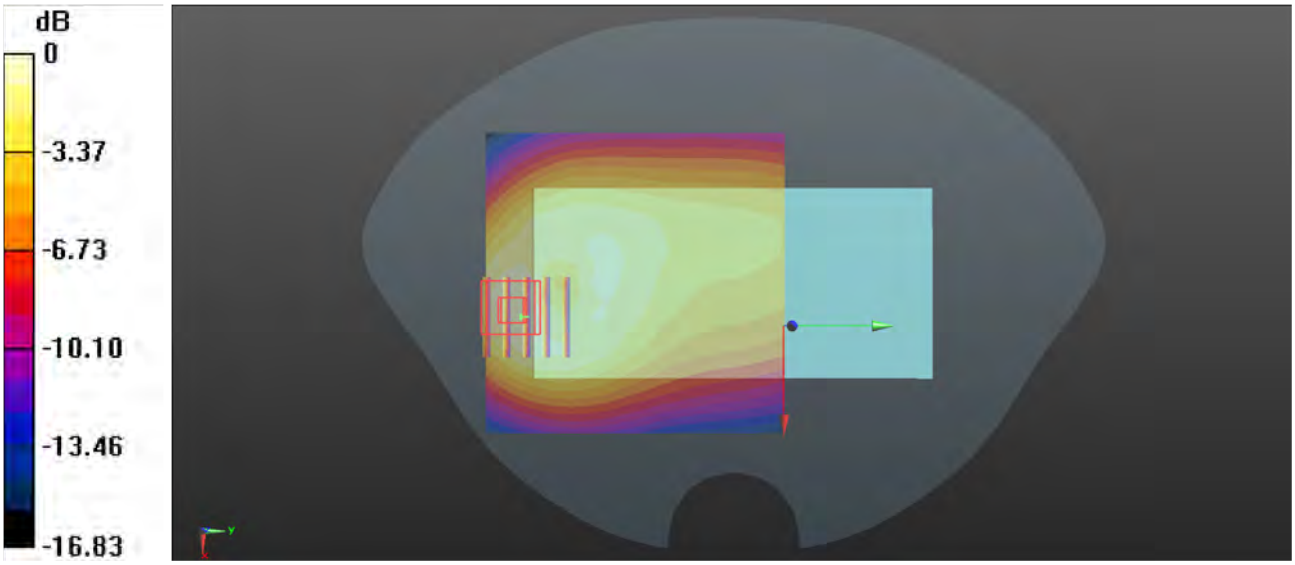
P37 LTE 12_QPSK10M_Rear Face_1cm_Ch23060_1RB_OS24_Ant0

Communication System: LTE_FDD; Frequency: 704 MHz;Duty Cycle: 1:1
Medium: HSL750_0428 Medium parameters used: f = 704 MHz; σ = 0.855 S/m; ε_r = 42.581; ρ = 1000 kg/m^3
Ambient Temperature：23.2℃; Liquid Temperature：22.3℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3708; ConvF(9.34, 9.34, 9.34) @ 704 MHz; Calibrated: 2023/10/30
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn546; Calibrated: 2023/09/14
- Phantom: SAM Right ; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

-Area Scan (81x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.275 W/kg

-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.08 V/m; Power Drift = 0.08 dB
Peak SAR (extrapolated) = 0.419 W/kg
SAR(1 g) = 0.244 W/kg; SAR(10 g) = 0.140 W/kg
Smallest distance from peaks to all points 3 dB below = 11.6 mm
Ratio of SAR at M2 to SAR at M1 = 56.1%
Maximum value of SAR (measured) = 0.272 W/kg



0 dB = 0.272 W/kg

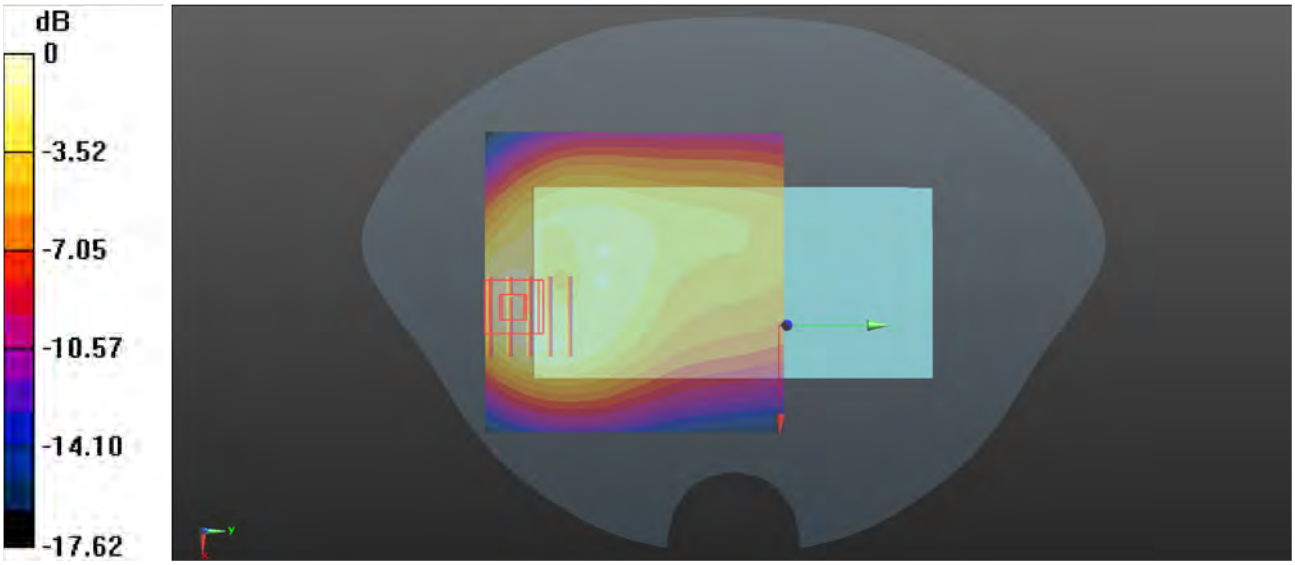
P38 LTE 13_QPSK10M_Rear Face_1cm_Ch23230_25RB_OS12_Ant0

Communication System: LTE_FDD; Frequency: 782 MHz;Duty Cycle: 1:1
Medium: HSL750_0428 Medium parameters used: f = 782 MHz; σ = 0.878 S/m; ε_r = 42.354; ρ = 1000 kg/m^3
Ambient Temperature：23.2℃; Liquid Temperature：22.3℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3708; ConvF(9.34, 9.34, 9.34) @ 782 MHz; Calibrated: 2023/10/30
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn546; Calibrated: 2023/09/14
- Phantom: SAM Right ; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

-Area Scan (81x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.377 W/kg

-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.64 V/m; Power Drift = 0.09 dB
Peak SAR (extrapolated) = 0.529 W/kg
SAR(1 g) = 0.322 W/kg; SAR(10 g) = 0.188 W/kg
Smallest distance from peaks to all points 3 dB below = 12.2 mm
Ratio of SAR at M2 to SAR at M1 = 62.4%
Maximum value of SAR (measured) = 0.362 W/kg



0 dB = 0.362 W/kg

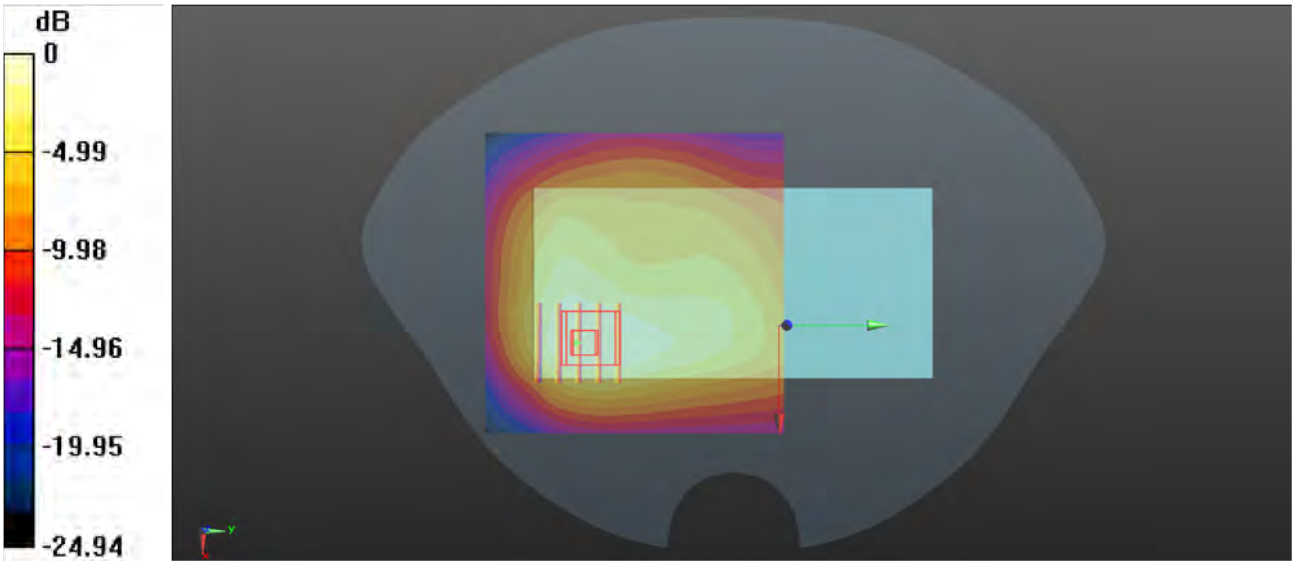
P39 LTE 25_QPSK20M_Rear Face_1cm_Ch26340_1RB_OS99_Ant1

Communication System: LTE_FDD; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium: HSL1900_0505 Medium parameters used: f = 1880 MHz; σ = 1.429 S/m; ε_r = 39.992; ρ = 1000 kg/m^3
Ambient Temperature：23.2℃; Liquid Temperature：22.1℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3708; ConvF(8.41, 8.41, 8.41) @ 1880 MHz; Calibrated: 2023/10/30
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn546; Calibrated: 2023/09/14
- Phantom: SAM Right ; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

-Area Scan (81x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.468 W/kg

-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.30 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 0.629 W/kg
SAR(1 g) = 0.351 W/kg; SAR(10 g) = 0.204 W/kg
Smallest distance from peaks to all points 3 dB below = 16 mm
Ratio of SAR at M2 to SAR at M1 = 53.3%
Maximum value of SAR (measured) = 0.425 W/kg



0 dB = 0.425 W/kg

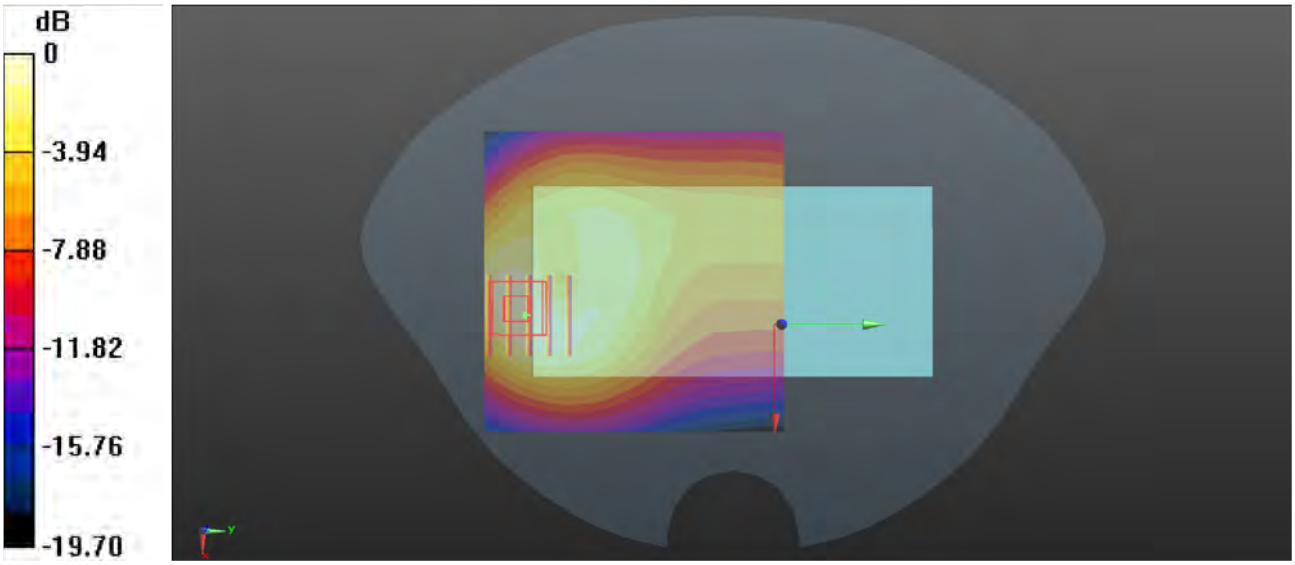
P40 LTE 26_QPSK15M_Rear Face_1cm_Ch26865_36RB_OS0_Ant0

Communication System: LTE_FDD; Frequency: 831.5 MHz;Duty Cycle: 1:1
Medium: HSL835_0430 Medium parameters used: f = 831.5 MHz; σ = 0.91 S/m; ε_r = 42.409; ρ = 1000 kg/m^3
Ambient Temperature：23.4℃; Liquid Temperature：22.7℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3708; ConvF(9.23, 9.23, 9.23) @ 831.5 MHz; Calibrated: 2023/10/30
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn546; Calibrated: 2023/09/14
- Phantom: SAM Right ; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

-Area Scan (81x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.417 W/kg

-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.76 V/m; Power Drift = 0.19 dB
Peak SAR (extrapolated) = 0.562 W/kg
SAR(1 g) = 0.337 W/kg; SAR(10 g) = 0.198 W/kg
Smallest distance from peaks to all points 3 dB below = 12.9 mm
Ratio of SAR at M2 to SAR at M1 = 60.4%
Maximum value of SAR (measured) = 0.397 W/kg



0 dB = 0.397 W/kg

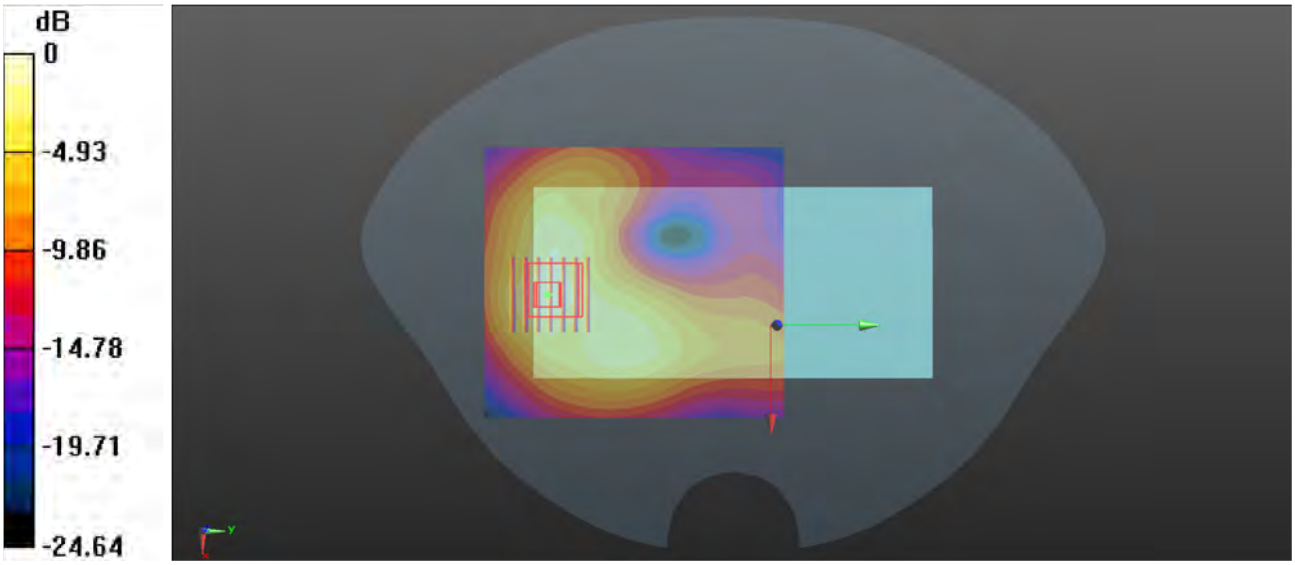
P41 LTE 38_QPSK20M_Rear Face_1cm_Ch37850_1RB_OS0_Ant0

Communication System: LTE_TDD; Frequency: 2580 MHz;Duty Cycle: 1:1.59
Medium: HSL2600_0501 Medium parameters used: f = 2580 MHz; σ = 1.92 S/m; ε_r = 37.815; ρ = 1000 kg/m^3
Ambient Temperature：23.5℃; Liquid Temperature：22.5℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3708; ConvF(7.43, 7.43, 7.43) @ 2580 MHz; Calibrated: 2023/10/30
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn546; Calibrated: 2023/09/14
- Phantom: SAM Right ; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

-Area Scan (91x101x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.474 W/kg

-Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 4.478 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 0.705 W/kg
SAR(1 g) = 0.361 W/kg; SAR(10 g) = 0.182 W/kg
Smallest distance from peaks to all points 3 dB below = 12.4 mm
Ratio of SAR at M2 to SAR at M1 = 53.3%
Maximum value of SAR (measured) = 0.465 W/kg



0 dB = 0.465 W/kg

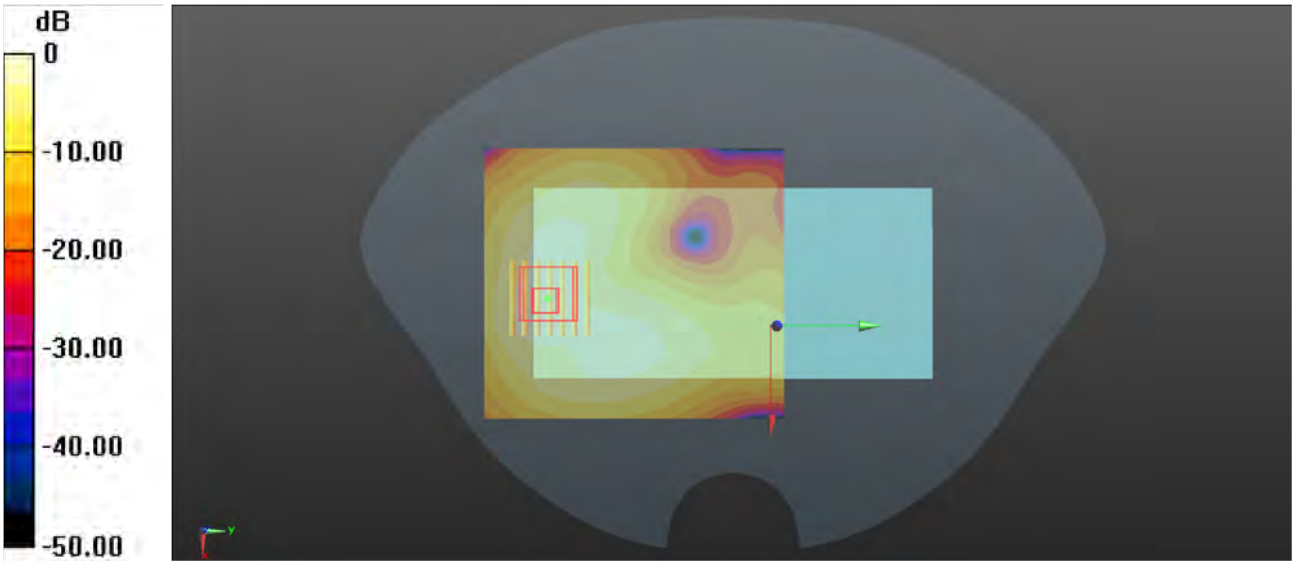
P42 LTE 41_QPSK20M_Rear Face_1cm_Ch41490_1RB_OS0_Ant0

Communication System: LTE_TDD; Frequency: 2680 MHz;Duty Cycle: 1:1.59
Medium: HSL2600_0509 Medium parameters used: f = 2680 MHz; σ = 1.946 S/m; ε_r = 39.218; ρ = 1000 kg/m^3
Ambient Temperature：23.5℃; Liquid Temperature：22.2℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3708; ConvF(7.43, 7.43, 7.43) @ 2680 MHz; Calibrated: 2023/10/30
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn546; Calibrated: 2023/09/14
- Phantom: SAM Right ; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

-Area Scan (91x101x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.435 W/kg

-Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 3.022 V/m; Power Drift = -0.09 dB
Peak SAR (extrapolated) = 0.533 W/kg
SAR(1 g) = 0.311 W/kg; SAR(10 g) = 0.158 W/kg
Smallest distance from peaks to all points 3 dB below = 10.8 mm
Ratio of SAR at M2 to SAR at M1 = 51.6%
Maximum value of SAR (measured) = 0.435 W/kg



0 dB = 0.435 W/kg

Test Laboratory: ritt 7 Layers SAR/HAC Testing Lab Date: 2024/05/02

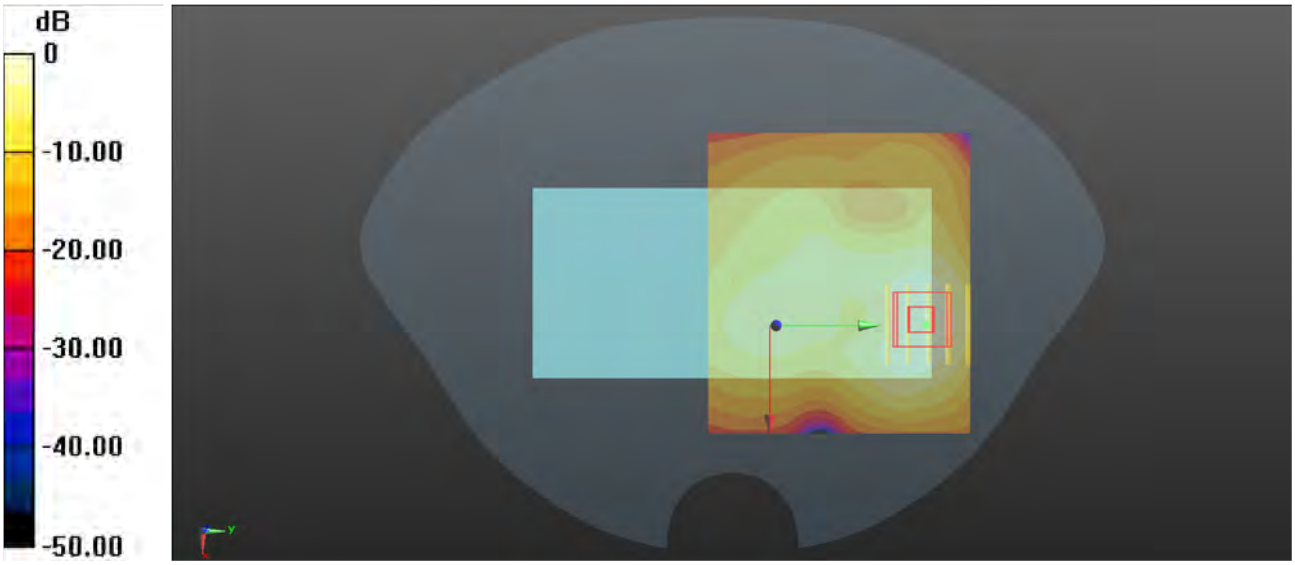
P43 LTE 66_QPSK20M_Rear Face_1cm_Ch132322_1RB_OS99_Ant3

Communication System: LTE_FDD; Frequency: 1745 MHz;Duty Cycle: 1:1
Medium: HSL1750_0502 Medium parameters used: f = 1745 MHz; σ = 1.345 S/m; ε_r = 39.484; ρ = 1000 kg/m^3
Ambient Temperature：23.3℃; Liquid Temperature：22.5℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3708; ConvF(8.38, 8.38, 8.38) @ 1745 MHz; Calibrated: 2023/10/30
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn546; Calibrated: 2023/09/14
- Phantom: SAM Right ; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

-Area Scan (81x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.468 W/kg

-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.017 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 0.528 W/kg
SAR(1 g) = 0.393 W/kg; SAR(10 g) = 0.201 W/kg
Smallest distance from peaks to all points 3 dB below = 11.2 mm
Ratio of SAR at M2 to SAR at M1 = 59.9%
Maximum value of SAR (measured) = 0.475 W/kg



0 dB = 0.475 W/kg

Test Laboratory: ritt 7 Layers SAR/HAC Testing Lab Date: 2024/04/29

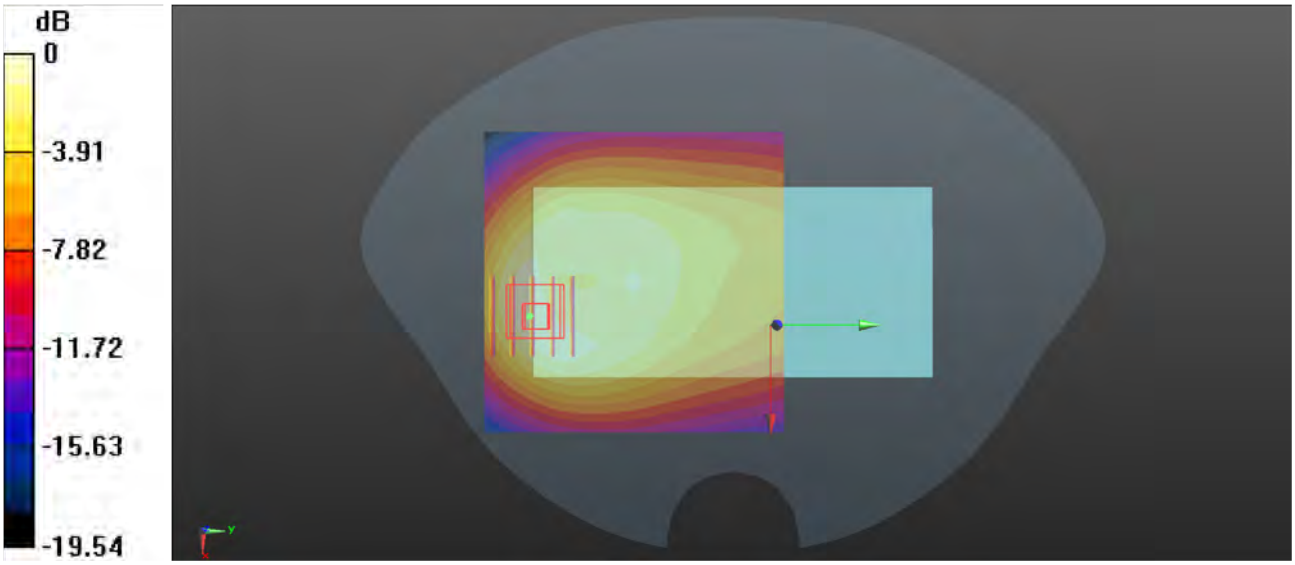
P44 LTE 71_QPSK20M_Rear Face_1cm_Ch133322_50RB_OS0_Ant0

Communication System: LTE_FDD; Frequency: 683 MHz;Duty Cycle: 1:1
Medium: HSL750_0429 Medium parameters used: f = 683 MHz; σ = 0.852 S/m; ε_r = 42.72; ρ = 1000 kg/m^3
Ambient Temperature：23.1℃; Liquid Temperature：22.3℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3708; ConvF(9.34, 9.34, 9.34) @ 683 MHz; Calibrated: 2023/10/30
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn546; Calibrated: 2023/09/14
- Phantom: SAM Right ; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

-Area Scan (81x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.324 W/kg

-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.43 V/m; Power Drift = 0.10 dB
Peak SAR (extrapolated) = 0.499 W/kg
SAR(1 g) = 0.288 W/kg; SAR(10 g) = 0.166 W/kg
Smallest distance from peaks to all points 3 dB below = 12.2 mm
Ratio of SAR at M2 to SAR at M1 = 59.3%
Maximum value of SAR (measured) = 0.332 W/kg



0 dB = 0.332 W/kg

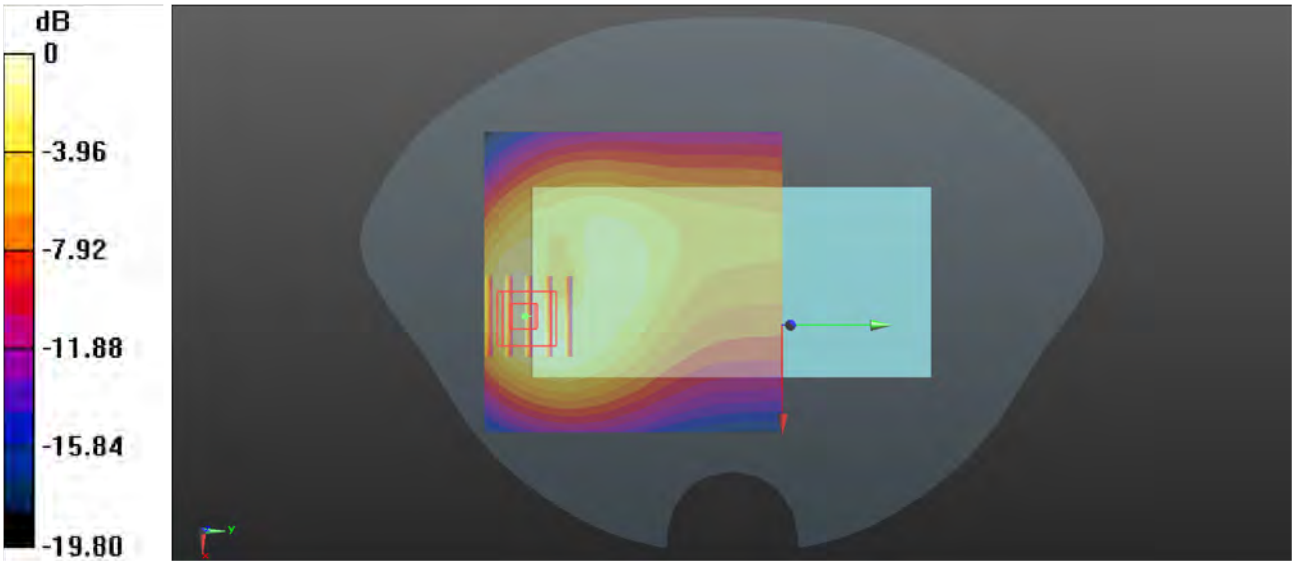
P45 NR N5_QPSK20M SCS15K_Rear Face_1cm_Ch167300_1RB_OS1_Ant0

Communication System: NR; Frequency: 836.5 MHz;Duty Cycle: 1:1
Medium: HSL835_0430 Medium parameters used: f = 836.5 MHz; σ = 0.911 S/m; ε_r = 42.392; ρ = 1000 kg/m^3
Ambient Temperature：23.4℃; Liquid Temperature：22.7℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3708; ConvF(9.23, 9.23, 9.23) @ 836.5 MHz; Calibrated: 2023/10/30
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn546; Calibrated: 2023/09/14
- Phantom: SAM Right ; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

-Area Scan (81x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.596 W/kg

-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 13.09 V/m; Power Drift = 0.09 dB
Peak SAR (extrapolated) = 0.794 W/kg
SAR(1 g) = 0.471 W/kg; SAR(10 g) = 0.276 W/kg
Smallest distance from peaks to all points 3 dB below = 13.6 mm
Ratio of SAR at M2 to SAR at M1 = 60.1%
Maximum value of SAR (measured) = 0.582 W/kg



0 dB = 0.582 W/kg

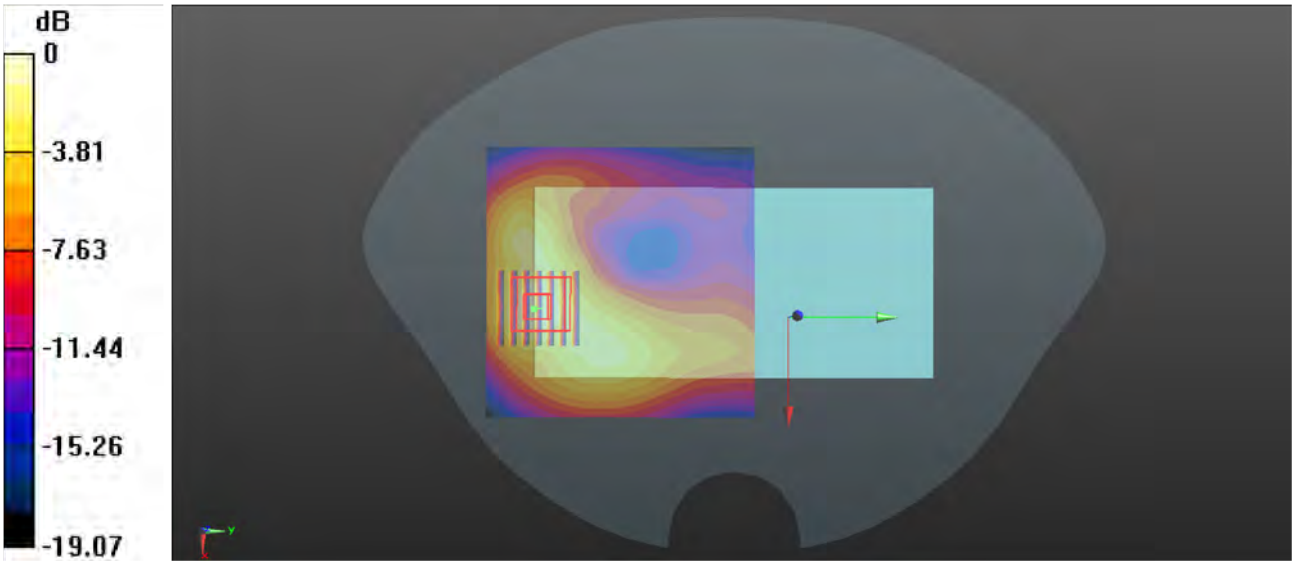
P46 NR N7_QPSK20M SCS15K_Rear Face_1cm_Ch502000_50RB_OS0_Ant0

Communication System: NR; Frequency: 2510 MHz;Duty Cycle: 1:1
Medium: HSL2600_0510 Medium parameters used: f = 2510 MHz; σ = 1.869 S/m; ε_r = 39.453; ρ = 1000 kg/m^3
Ambient Temperature：23.3℃; Liquid Temperature：22.1℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3708; ConvF(7.43, 7.43, 7.43) @ 2510 MHz; Calibrated: 2023/10/30
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn546; Calibrated: 2023/09/14
- Phantom: SAM Right ; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483))

-Area Scan (91x91x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.616 W/kg

-Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 5.982 V/m; Power Drift = -0.15 dB
Peak SAR (extrapolated) = 0.885 W/kg
SAR(1 g) = 0.415 W/kg; SAR(10 g) = 0.204 W/kg
Smallest distance from peaks to all points 3 dB below = 13.2 mm
Ratio of SAR at M2 to SAR at M1 = 54.5%
Maximum value of SAR (measured) = 0.689 W/kg



0 dB = 0.689 W/kg

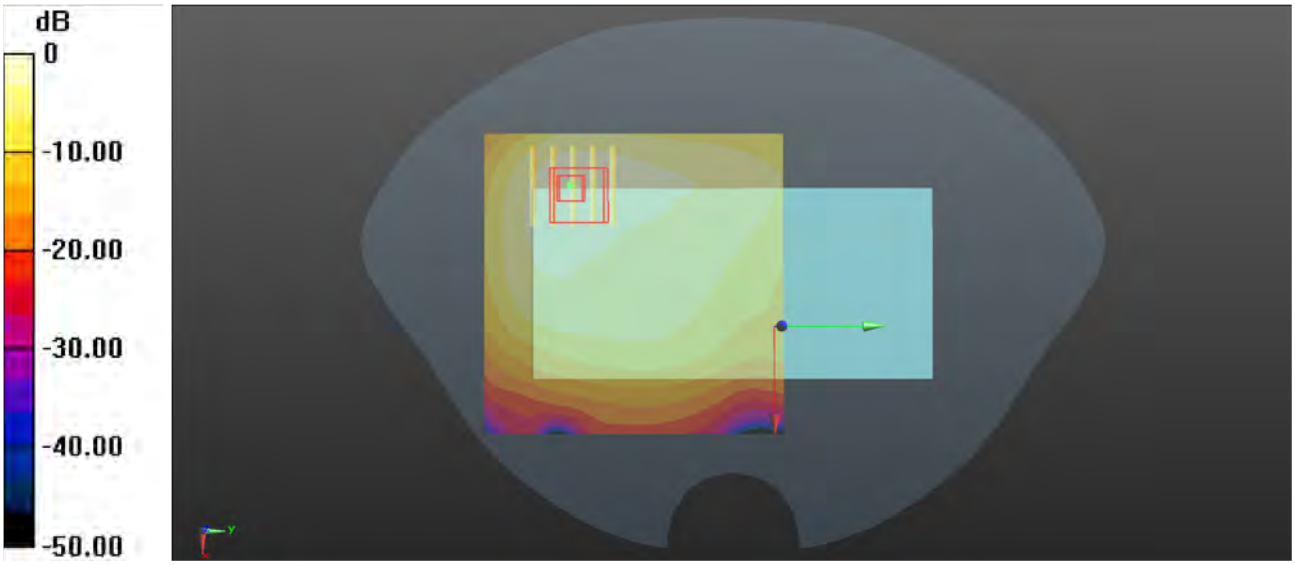
P47 NR N25_QPSK20M SCS15K_Front Face_1cm_Ch376500_1RB_OS1_Ant1

Communication System: NR; Frequency: 1882.5 MHz;Duty Cycle: 1:1
Medium: HSL1900_0506 Medium parameters used: f = 1882.5 MHz; σ = 1.381 S/m; ε_r = 38.632; ρ = 1000 kg/m^3
Ambient Temperature：23.5℃; Liquid Temperature：22.5℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3708; ConvF(8.41, 8.41, 8.41) @ 1882.5 MHz; Calibrated: 2023/10/30
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn546; Calibrated: 2023/09/14
- Phantom: SAM Right ; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

-Area Scan (81x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.469 W/kg

-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.177 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 0.651 W/kg
SAR(1 g) = 0.422 W/kg; SAR(10 g) = 0.251 W/kg
Smallest distance from peaks to all points 3 dB below = 14.8 mm
Ratio of SAR at M2 to SAR at M1 = 58.2%
Maximum value of SAR (measured) = 0.511 W/kg



0 dB = 0.511 W/kg

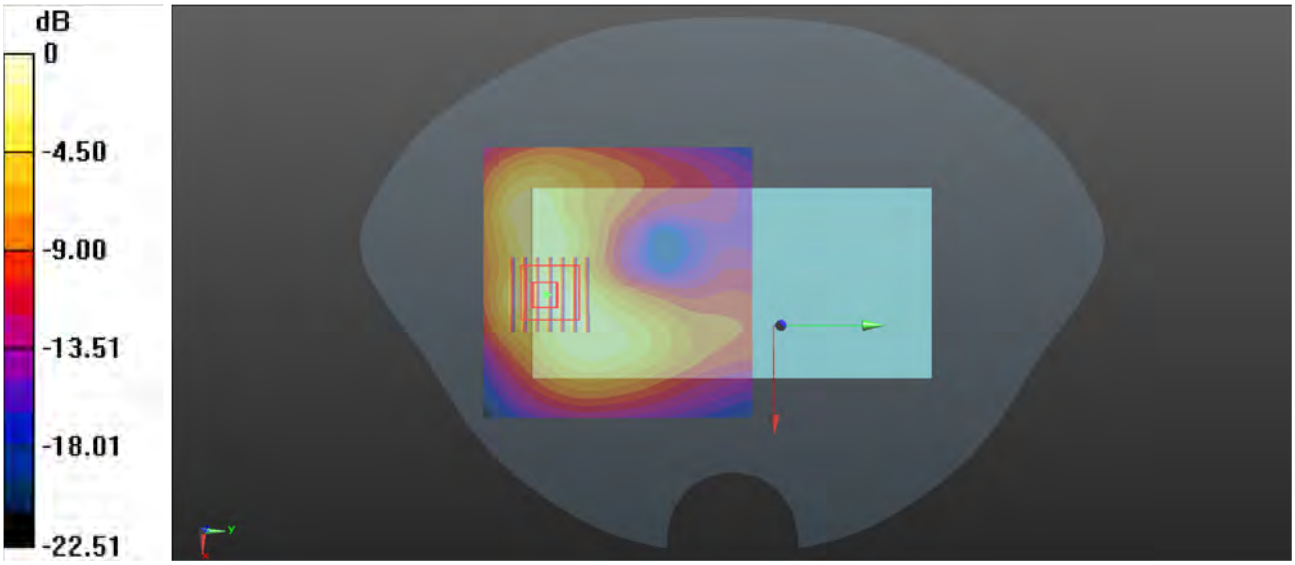
P48 NR N38_QPSK40M SCS30K_Rear Face_1cm_Ch519000_1RB_OS1_Ant0

Communication System: NR; Frequency: 2595 MHz;Duty Cycle: 1:1
Medium: HSL2600_0511 Medium parameters used: f = 2595 MHz; σ = 1.886 S/m; ε_r = 39.411; ρ = 1000 kg/m^3
Ambient Temperature：23.5℃; Liquid Temperature：22.5℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3708; ConvF(7.43, 7.43, 7.43) @ 2595 MHz; Calibrated: 2023/10/30
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn546; Calibrated: 2023/09/14
- Phantom: SAM Right ; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

-Area Scan (91x91x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.458 W/kg

-Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 5.313 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 0.655 W/kg
SAR(1 g) = 0.353 W/kg; SAR(10 g) = 0.188 W/kg
Smallest distance from peaks to all points 3 dB below = 11.7 mm
Ratio of SAR at M2 to SAR at M1 = 52.7%
Maximum value of SAR (measured) = 0.447 W/kg



0 dB = 0.447 W/kg

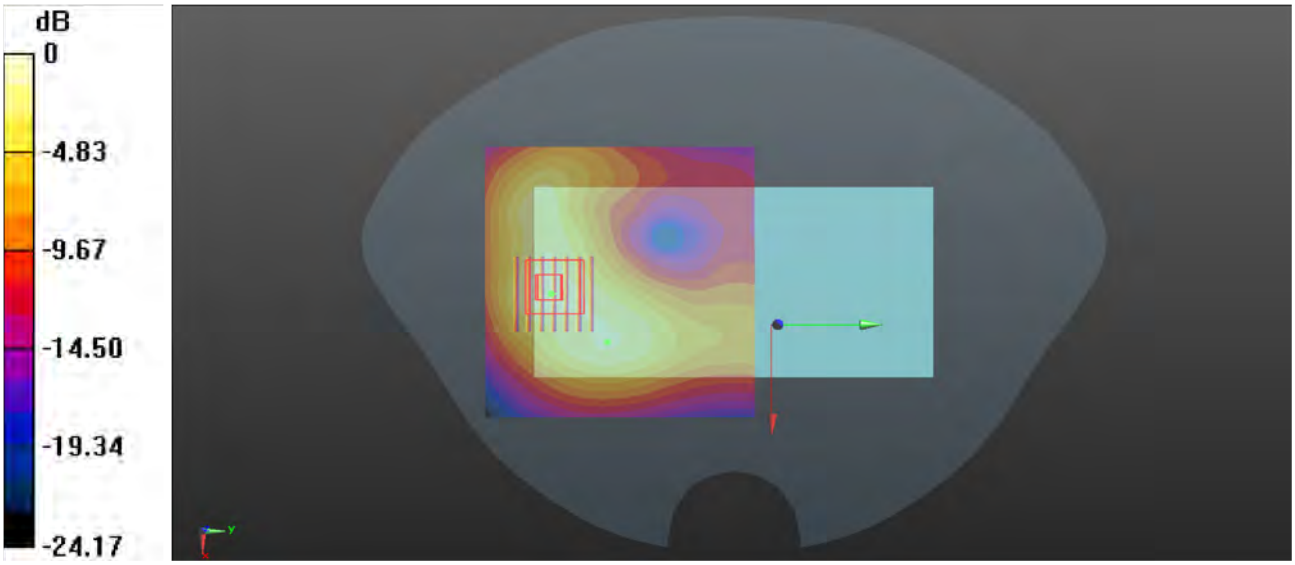
P49 NR N41_QPSK100M SCS30K_Rear Face_1cm_Ch509202_1RB_OS1_Ant0

Communication System: NR; Frequency: 2546.01 MHz;Duty Cycle: 1:1
Medium: HSL2600_0509 Medium parameters used: f = 2546.01 MHz; σ = 1.853 S/m; ε_r = 39.704; ρ = 1000 kg/m^3
Ambient Temperature：23.5℃; Liquid Temperature：22.2℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3708; ConvF(7.43, 7.43, 7.43) @ 2546.01 MHz; Calibrated: 2023/10/30
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn546; Calibrated: 2023/09/14
- Phantom: SAM Right ; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

-Area Scan (91x91x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.634 W/kg

-Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 6.547 V/m; Power Drift = -0.17 dB
Peak SAR (extrapolated) = 0.754 W/kg
SAR(1 g) = 0.450 W/kg; SAR(10 g) = 0.231 W/kg
Smallest distance from peaks to all points 3 dB below = 12 mm
Ratio of SAR at M2 to SAR at M1 = 52.9%
Maximum value of SAR (measured) = 0.622 W/kg



0 dB = 0.622 W/kg

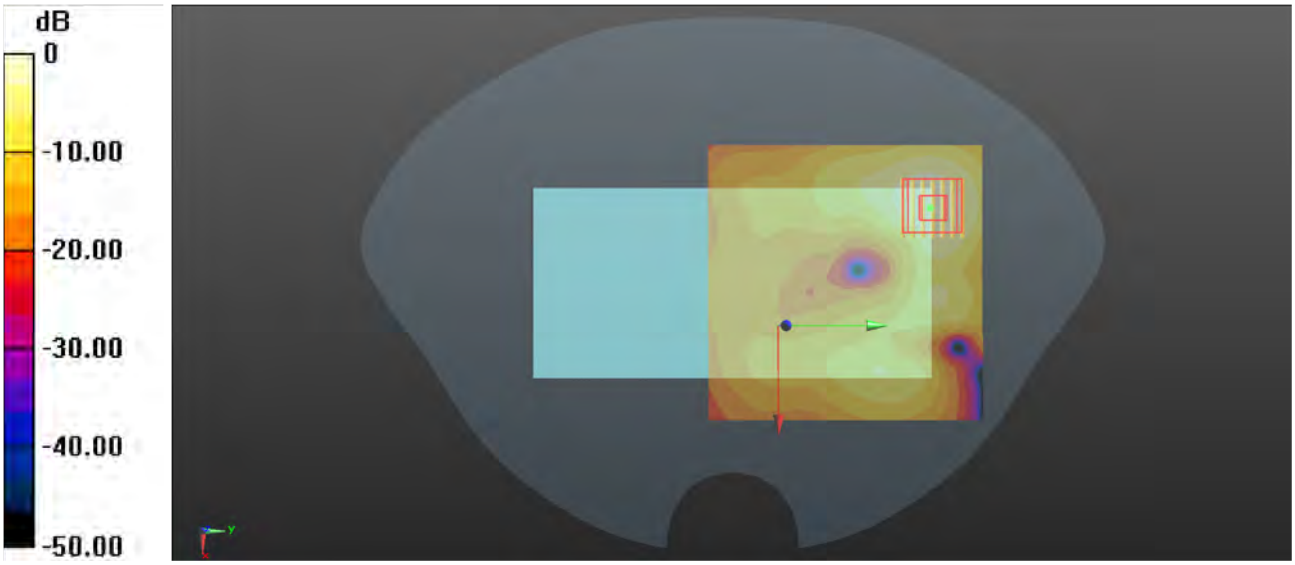
P50 NR N48_QPSK40M SCS30K_Rear Face_1cm_Ch641666_50RB_OS28_Ant6

Communication System: NR; Frequency: 3624.99 MHz;Duty Cycle: 1:1
Medium: HSL3700_0514 Medium parameters used: f = 3624.99 MHz; σ = 2.938 S/m; ε_r = 39.487; ρ = 1000 kg/m^3
Ambient Temperature：23.5℃; Liquid Temperature：22.6℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3708; ConvF(6.54, 6.54, 6.54) @ 3624.99 MHz; Calibrated: 2023/10/30
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn546; Calibrated: 2023/09/14
- Phantom: SAM Right ; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

-Area Scan (111x111x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.94 W/kg

-Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 3.552 V/m; Power Drift = 0.11 dB
Peak SAR (extrapolated) = 1.14 W/kg
SAR(1 g) = 0.501 W/kg; SAR(10 g) = 0.199 W/kg
Smallest distance from peaks to all points 3 dB below = 10 mm
Ratio of SAR at M2 to SAR at M1 = 70%
Maximum value of SAR (measured) = 0.88 W/kg



0 dB = 0.88 W/kg

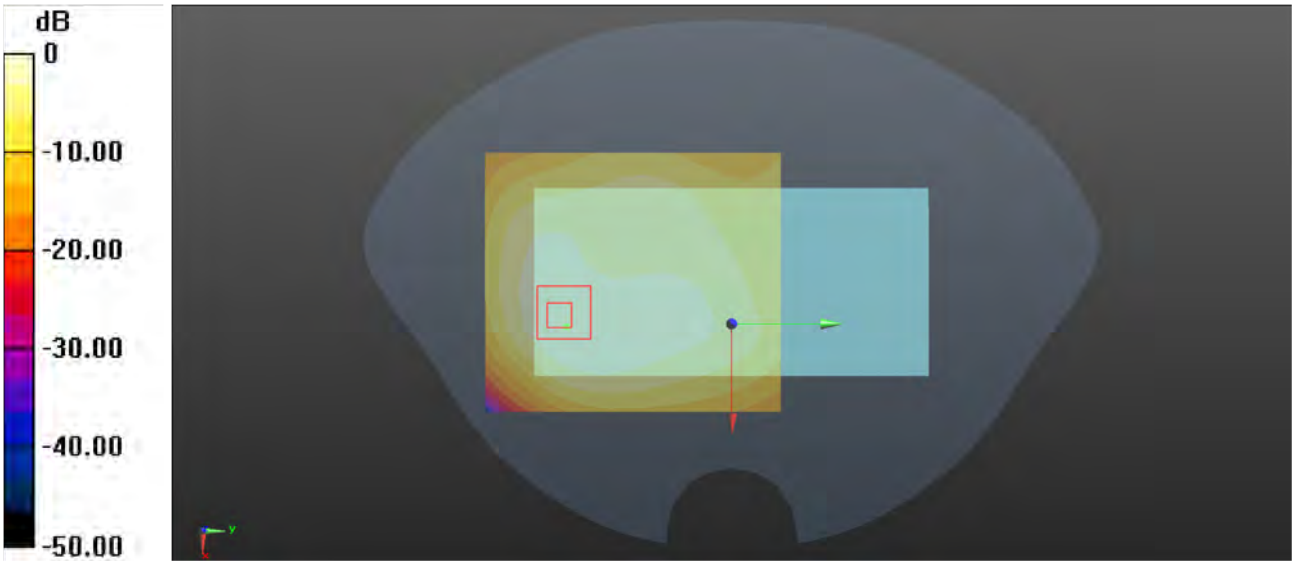
P51 NR N66_QPSK20M SCS15K_Rear Face_1cm_Ch344000_1RB_OS1_Ant1

Communication System: NR; Frequency: 1720 MHz;Duty Cycle: 1:1
Medium: HSL1750_0503 Medium parameters used: f = 1720 MHz; σ = 1.348 S/m; ε_r = 40.465; ρ = 1000 kg/m^3
Ambient Temperature：23.7℃; Liquid Temperature：22.6℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3708; ConvF(8.38, 8.38, 8.38) @ 1720 MHz; Calibrated: 2023/10/30
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn546; Calibrated: 2023/09/14
- Phantom: SAM Right ; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

-Area Scan (71x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.600 W/kg

-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 11.03 V/m; Power Drift = -0.09 dB
Peak SAR (extrapolated) = 0.846 W/kg
SAR(1 g) = 0.521 W/kg; SAR(10 g) = 0.317 W/kg
Smallest distance from peaks to all points 3 dB below = 13.6 mm
Ratio of SAR at M2 to SAR at M1 = 53%
Maximum value of SAR (measured) = 0.557 W/kg



0 dB = 0.557 W/kg

Test Laboratory: ritt 7 Layers SAR/HAC Testing Lab Date: 2024/04/29

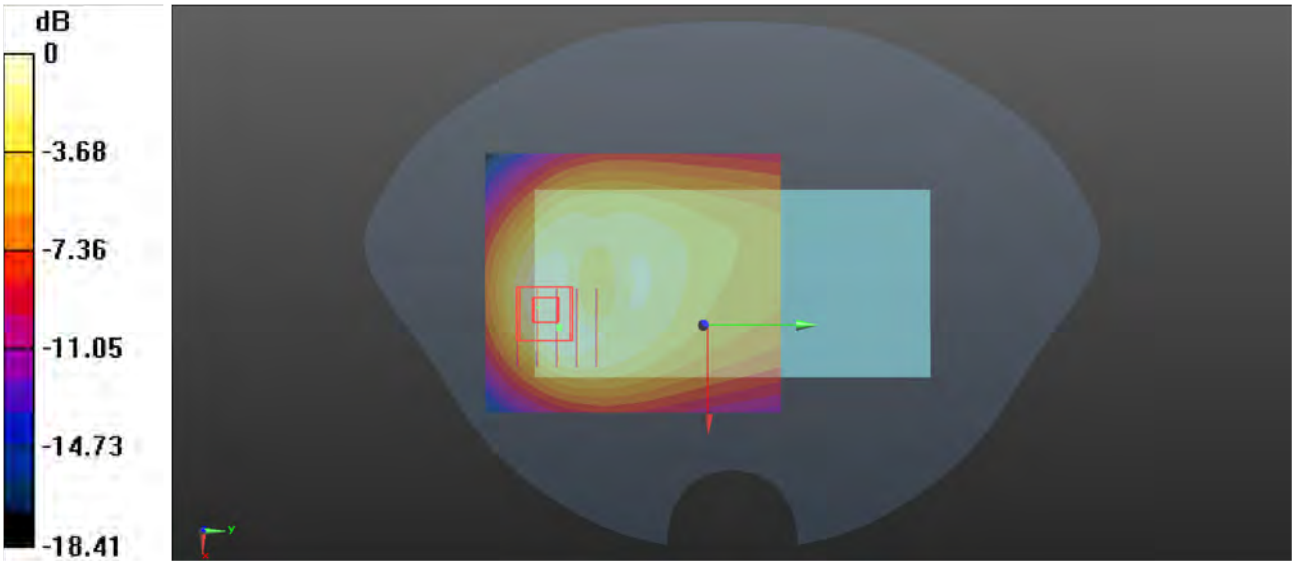
P52 NR N71_QPSK20M SCS15K_Rear Face_1cm_Ch137600_1RB_OS1_Ant0

Communication System: NR; Frequency: 688 MHz;Duty Cycle: 1:1
Medium: HSL750_0429 Medium parameters used: f = 688 MHz; σ = 0.854 S/m; ε_r = 42.706; ρ = 1000 kg/m^3
Ambient Temperature：23.1℃; Liquid Temperature：22.3℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3708; ConvF(9.34, 9.34, 9.34) @ 688 MHz; Calibrated: 2023/10/30
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn546; Calibrated: 2023/09/14
- Phantom: SAM Right ; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

-Area Scan (71x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.471 W/kg

-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 15.11 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 0.699 W/kg
SAR(1 g) = 0.404 W/kg; SAR(10 g) = 0.229 W/kg
Smallest distance from peaks to all points 3 dB below = 11.3 mm
Ratio of SAR at M2 to SAR at M1 = 59.5%
Maximum value of SAR (measured) = 0.464 W/kg



0 dB = 0.464 W/kg

Test Laboratory: ritt 7 Layers SAR/HAC Testing Lab Date: 2024/05/12

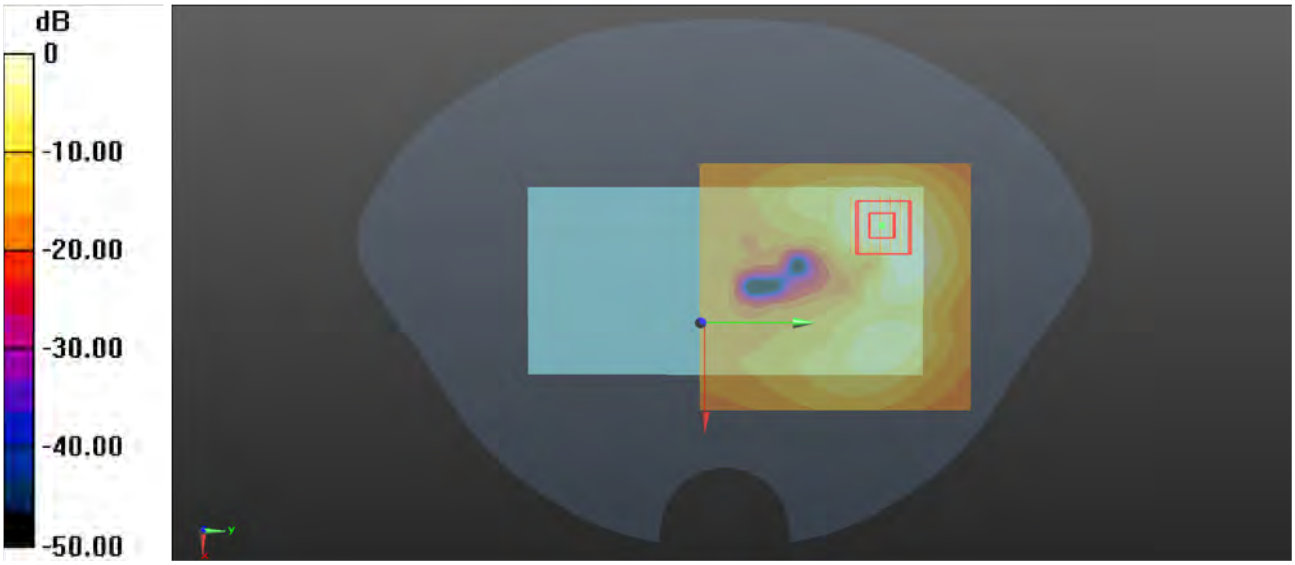
P53 NR N77_QPSK100M SCS30K_Rear Face_1cm_Ch656000_1RB_OS1_Ant6

Communication System: NR; Frequency: 3840 MHz;Duty Cycle: 1:1
Medium: HSL3900_0512 Medium parameters used: f = 3840 MHz; σ = 3.151 S/m; ε_r = 39.13; ρ = 1000 kg/m^3
Ambient Temperature：23.3℃; Liquid Temperature：22.2℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3708; ConvF(6.3, 6.3, 6.3) @ 3840 MHz; Calibrated: 2023/10/30
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn546; Calibrated: 2023/09/14
- Phantom: SAM Right ; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

-Area Scan (101x111x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.994 W/kg

-Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 3.591 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 1.33 W/kg
SAR(1 g) = 0.566 W/kg; SAR(10 g) = 0.231 W/kg
Smallest distance from peaks to all points 3 dB below = 8 mm
Ratio of SAR at M2 to SAR at M1 = 71.9%
Maximum value of SAR (measured) = 0.943 W/kg



0 dB = 0.943 W/kg

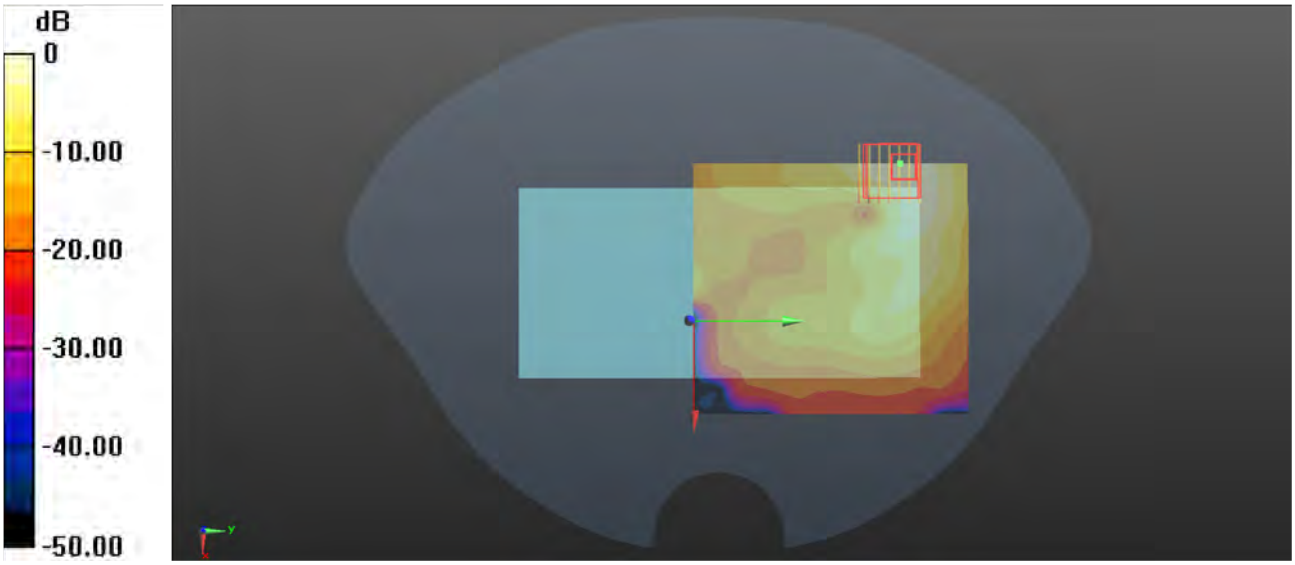
P54 NR N78_QPSK100M SCS30K_Rear Face_1cm_Ch633334_135RB_OS69_Ant6

Communication System: NR; Frequency: 3500.01 MHz;Duty Cycle: 1:1
Medium: HSL3500_0513 Medium parameters used: f = 3500.01 MHz; σ = 2.821 S/m; ε_r = 39.687; ρ = 1000 kg/m^3
Ambient Temperature：23.3℃; Liquid Temperature：22.3℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3708; ConvF(6.81, 6.81, 6.81) @ 3500.01 MHz; Calibrated: 2023/10/30
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn546; Calibrated: 2023/09/14
- Phantom: SAM Right ; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

-Area Scan (101x111x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 1.21 W/kg

-Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 2.405 V/m; Power Drift = 0.09 dB
Peak SAR (extrapolated) = 1.56 W/kg
SAR(1 g) = 0.599 W/kg; SAR(10 g) = 0.261 W/kg
Smallest distance from peaks to all points 3 dB below = 9.3 mm
Ratio of SAR at M2 to SAR at M1 = 70.8%
Maximum value of SAR (measured) = 1.10 W/kg



0 dB = 1.10 W/kg

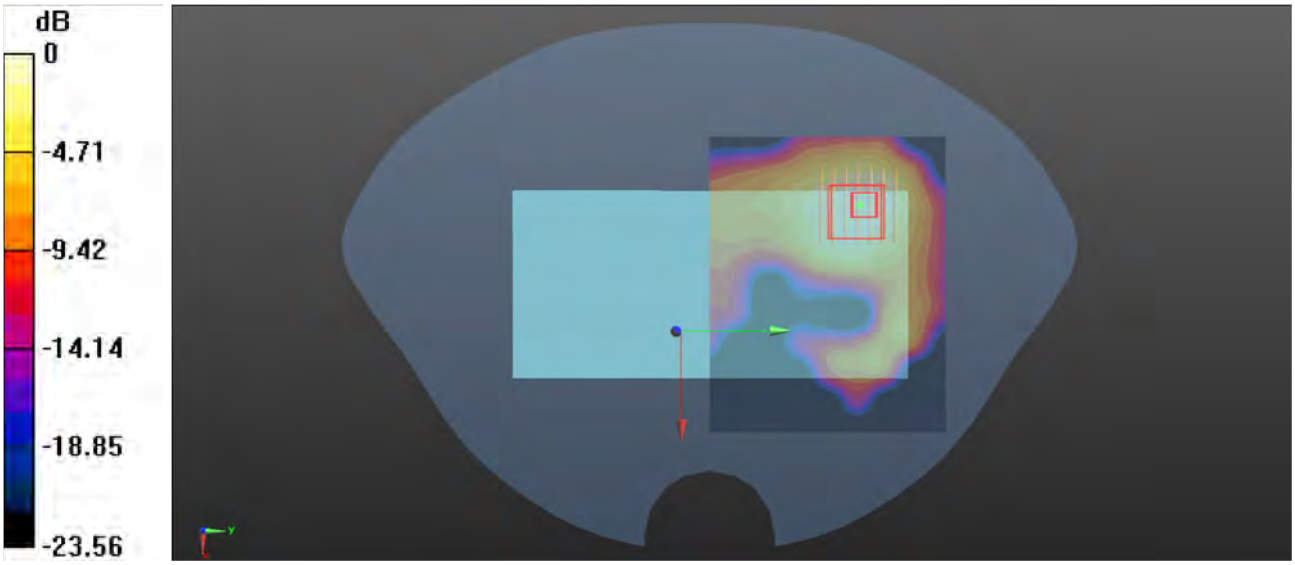
P55 WLAN2.4G_802.11b_Rear Face_1cm_Ch6_Ant9+10

Communication System: 802.11b; Frequency: 2437 MHz;Duty Cycle: 1:1.116
Medium: HSL2450_0514 Medium parameters used: f = 2437 MHz; σ = 1.727 S/m; ε_r = 37.874; ρ = 1000 kg/m^3
Ambient Temperature：23.2℃; Liquid Temperature：22.5℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3708; ConvF(7.58, 7.58, 7.58) @ 2437 MHz; Calibrated: 2023/10/30
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn546; Calibrated: 2023/09/14
- Phantom: SAM Right ; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

-Area Scan (101x81x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.215 W/kg

-Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 3.595 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 0.272 W/kg
SAR(1 g) = 0.149 W/kg; SAR(10 g) = 0.081 W/kg
Smallest distance from peaks to all points 3 dB below = 12.4 mm
Ratio of SAR at M2 to SAR at M1 = 51.5%
Maximum value of SAR (measured) = 0.214 W/kg



0 dB = 0.214 W/kg

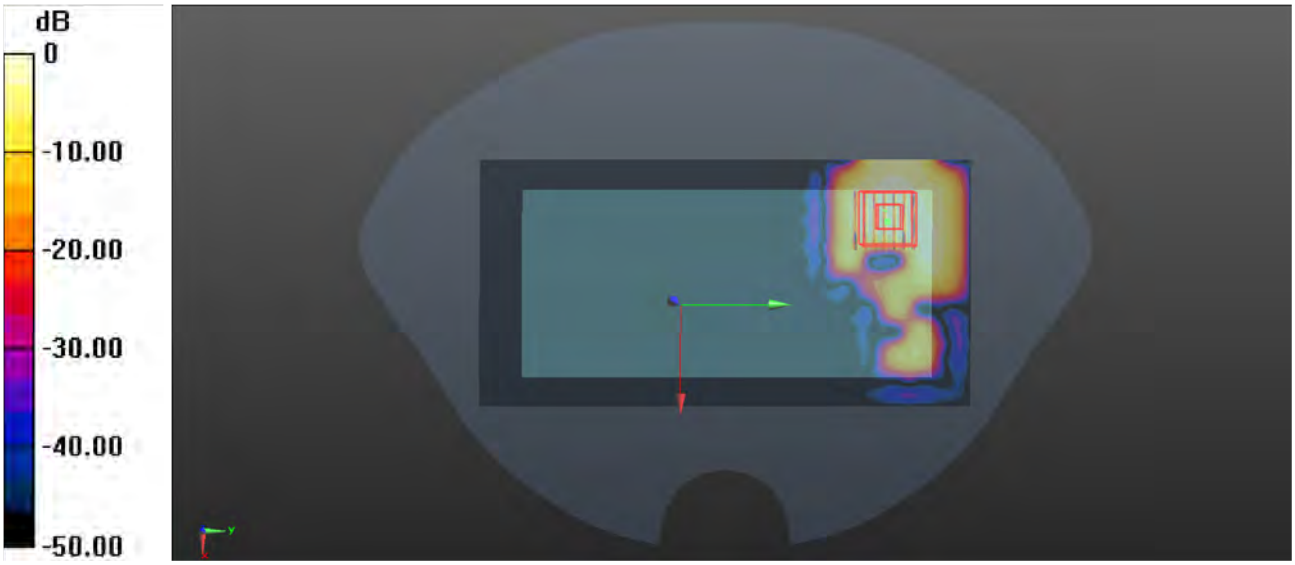
P56 WLAN5G_802.11a_Rear Face_1cm_Ch48_Ant8+11

Communication System: 802.11a; Frequency: 5240 MHz;Duty Cycle: 1:1.123
Medium: HSL5G_0515 Medium parameters used: f = 5240 MHz; σ = 4.612 S/m; ε_r = 36.233; ρ = 1000 kg/m^3
Ambient Temperature：23.6℃; Liquid Temperature：22.8℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3708; ConvF(5.69, 5.69, 5.69) @ 5240 MHz; Calibrated: 2023/10/30
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn546; Calibrated: 2023/09/14
- Phantom: SAM Right ; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

-Area Scan (101x201x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.186 W/kg

-Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 0 V/m; Power Drift = 0.00 dB
Peak SAR (extrapolated) = 0.256 W/kg
SAR(1 g) = 0.069 W/kg; SAR(10 g) = 0.024 W/kg
Smallest distance from peaks to all points 3 dB below = 9.3 mm
Ratio of SAR at M2 to SAR at M1 = 53.4%
Maximum value of SAR (measured) = 0.136 W/kg



0 dB = 0.136 W/kg

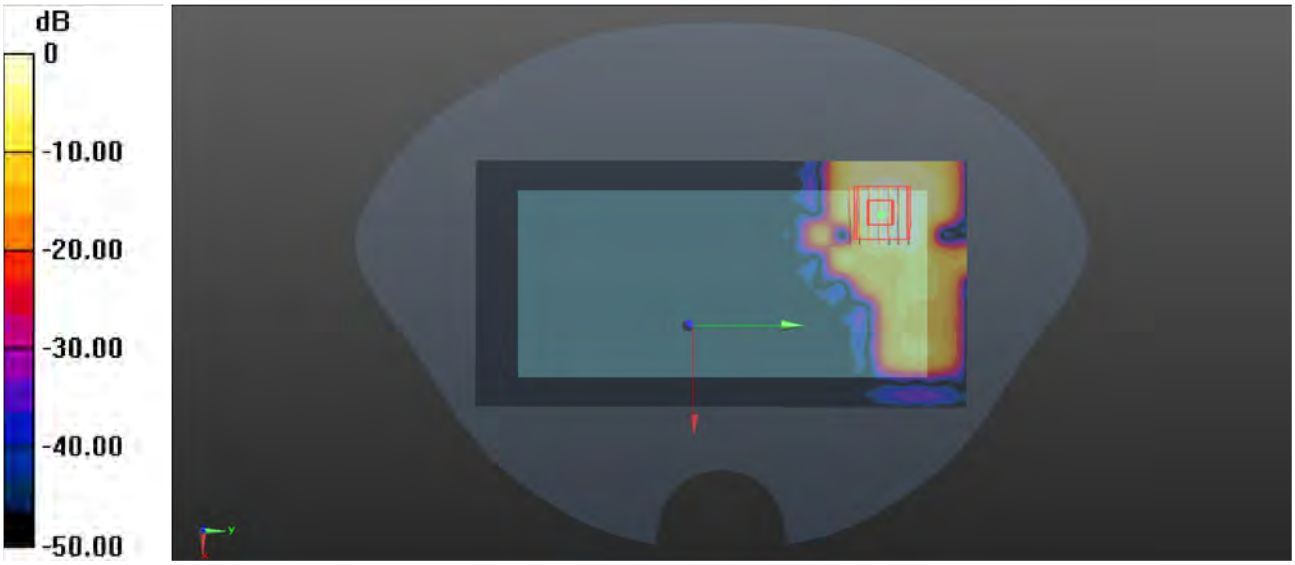
P57 WLAN5G_802.11a_Rear Face_1cm_Ch64_Ant8+11

Communication System: 802.11a; Frequency: 5320 MHz;Duty Cycle: 1:1.123
Medium: HSL5G_0515 Medium parameters used: f = 5320 MHz; σ = 4.66 S/m; ε_r = 35.987; ρ = 1000 kg/m^3
Ambient Temperature：23.6℃; Liquid Temperature：22.8℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3708; ConvF(5.57, 5.57, 5.57) @ 5320 MHz; Calibrated: 2023/10/30
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn546; Calibrated: 2023/09/14
- Phantom: SAM Right ; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

-Area Scan (101x201x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.175 W/kg

-Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 0.3890 V/m; Power Drift = -0.09 dB
Peak SAR (extrapolated) = 0.286 W/kg
SAR(1 g) = 0.081 W/kg; SAR(10 g) = 0.027 W/kg
Smallest distance from peaks to all points 3 dB below = 9.9 mm
Ratio of SAR at M2 to SAR at M1 = 52.3%
Maximum value of SAR (measured) = 0.158 W/kg



0 dB = 0.158 W/kg

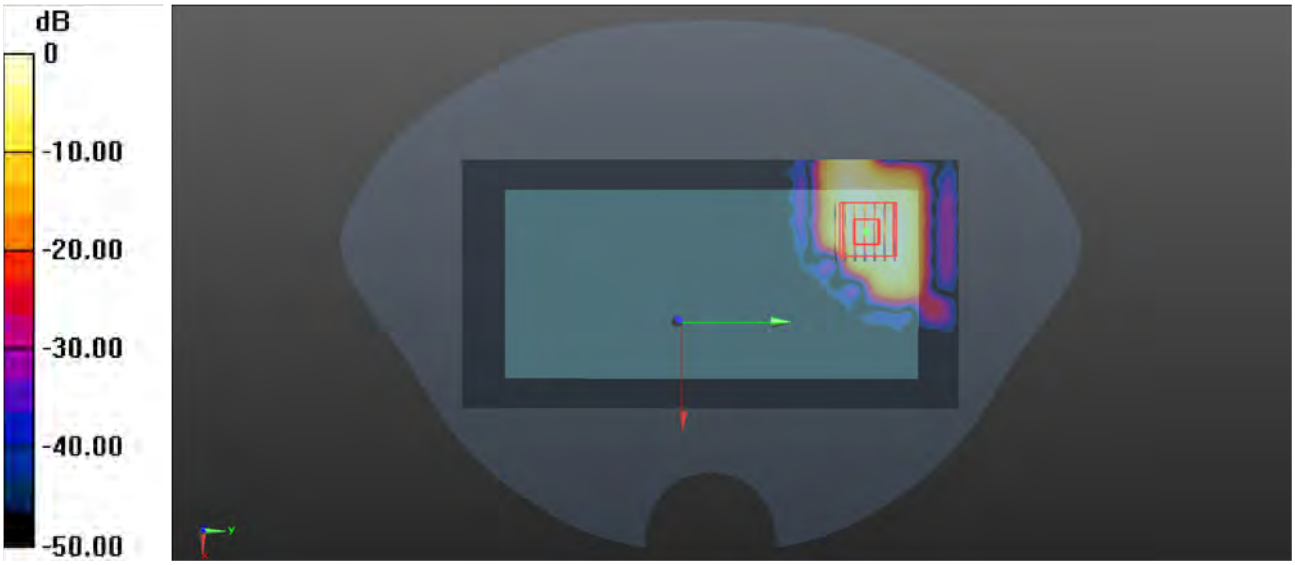
P58 WLAN5G_802.11a_Rear Face_1cm_Ch100_Ant8+11

Communication System: 802.11a; Frequency: 5500 MHz;Duty Cycle: 1:1.123
Medium: HSL5G_0515 Medium parameters used: f = 5500 MHz; σ = 4.885 S/m; ε_r = 35.76; ρ = 1000 kg/m^3
Ambient Temperature：23.6℃; Liquid Temperature：22.8℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3708; ConvF(5.21, 5.21, 5.21) @ 5500 MHz; Calibrated: 2023/10/30
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn546; Calibrated: 2023/09/14
- Phantom: SAM Right ; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

-Area Scan (101x201x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.201 W/kg

-Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 0 V/m; Power Drift = 0.00 dB
Peak SAR (extrapolated) = 0.315 W/kg
SAR(1 g) = 0.082 W/kg; SAR(10 g) = 0.026 W/kg
Smallest distance from peaks to all points 3 dB below = 8.6 mm
Ratio of SAR at M2 to SAR at M1 = 51.7%
Maximum value of SAR (measured) = 0.174 W/kg



0 dB = 0.174 W/kg

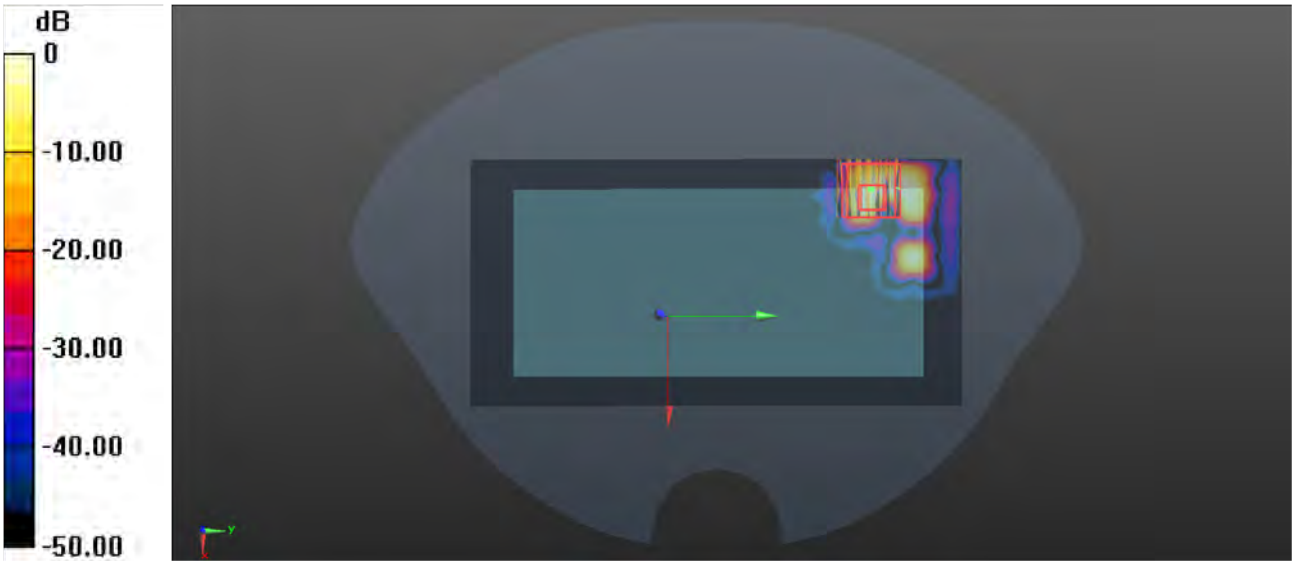
P59 WLAN5G_802.1ax-HE40_Rear Face_1cm_Ch151_Ant8+11

Communication System: 802.11ax-HE40; Frequency: 5755 MHz;Duty Cycle: 1:1.117
Medium: HSL5G_0515 Medium parameters used: f = 5755 MHz; σ = 5.131 S/m; ε_r = 35.361; ρ = 1000 kg/m^3
Ambient Temperature：23.6℃; Liquid Temperature：22.8℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3708; ConvF(5.21, 5.21, 5.21) @ 5755 MHz; Calibrated: 2023/10/30
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn546; Calibrated: 2023/09/14
- Phantom: SAM Right ; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

-Area Scan (101x201x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.0732 W/kg

-Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 0.8100 V/m; Power Drift = -0.09 dB
Peak SAR (extrapolated) = 0.404 W/kg
SAR(1 g) = 0.032 W/kg; SAR(10 g) = 0.008 W/kg
Smallest distance from peaks to all points 3 dB below: Larger than measurement grid
Ratio of SAR at M2 to SAR at M1 = 38.1%
Maximum value of SAR (measured) = 0.0568 W/kg



0 dB = 0.0568 W/kg

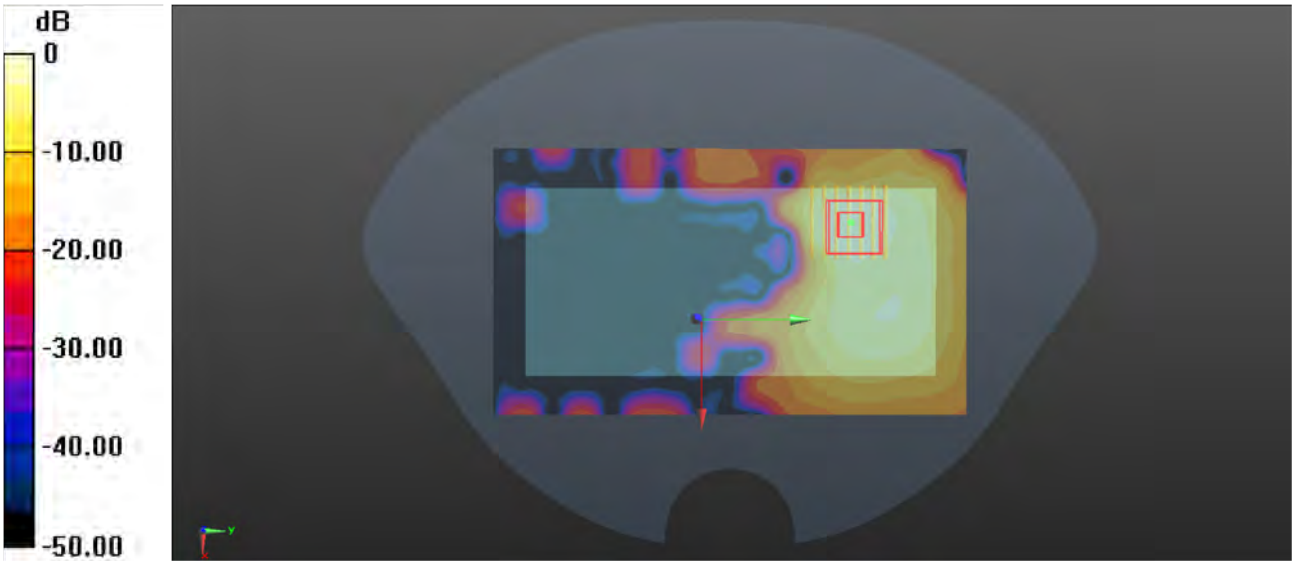
P60 BT_GFSK_Rear Face_1cm_Ch0_Ant10

Communication System: BT; Frequency: 2402 MHz;Duty Cycle: 1:1.299
Medium: HSL2450_0515 Medium parameters used: f = 2402 MHz; σ = 1.703 S/m; ε_r = 37.919; ρ = 1000 kg/m^3
Ambient Temperature：23.2℃; Liquid Temperature：22.5℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3708; ConvF(7.58, 7.58, 7.58) @ 2402 MHz; Calibrated: 2023/10/30
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn546; Calibrated: 2023/09/14
- Phantom: SAM Right ; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

-Area Scan (91x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.0926 W/kg

-Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 0.4050 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 0.104 W/kg
SAR(1 g) = 0.061 W/kg; SAR(10 g) = 0.003 W/kg
Smallest distance from peaks to all points 3 dB below: Larger than measurement grid
Ratio of SAR at M2 to SAR at M1 = 57.5%
Maximum value of SAR (measured) = 0.0808 W/kg



0 dB = 0.0808 W/kg

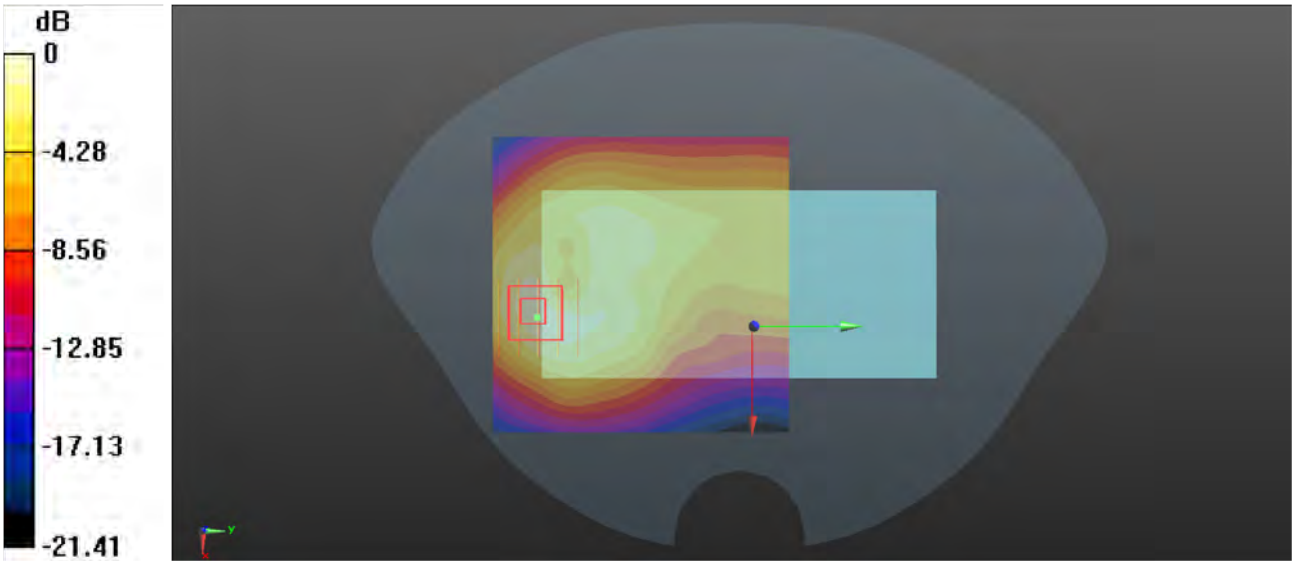
P61 GSM850_GPRS 2Tx Slot_Rear Face_1cm_Ch189_Ant0

Communication System: GPRS 2Tx Slot; Frequency: 836.4 MHz;Duty Cycle: 1:4.15
Medium: HSL835_0430 Medium parameters used: f = 836.4 MHz; σ = 0.911 S/m; ε_r = 42.392; ρ = 1000 kg/m^3
Ambient Temperature：23.4℃; Liquid Temperature：22.7℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3708; ConvF(9.23, 9.23, 9.23) @ 836.4 MHz; Calibrated: 2023/10/30
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn546; Calibrated: 2023/09/14
- Phantom: SAM Right ; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

-Area Scan (81x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.468 W/kg

-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.10 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 0.723 W/kg
SAR(1 g) = 0.435 W/kg; SAR(10 g) = 0.255 W/kg
Smallest distance from peaks to all points 3 dB below = 13.6 mm
Ratio of SAR at M2 to SAR at M1 = 60.7%
Maximum value of SAR (measured) = 0.527 W/kg



0 dB = 0.527 W/kg

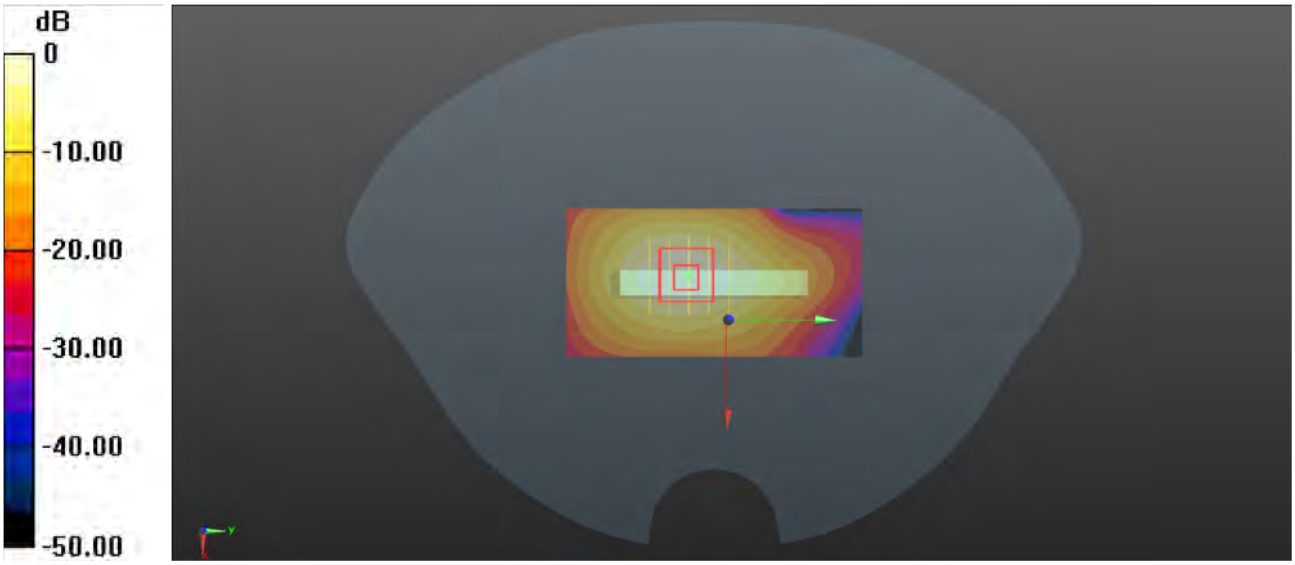
P62 GSM1900_GPRS 2Tx Slot_Top Side_1cm_Ch810_Ant3

Communication System: GPRS 2Tx Slot; Frequency: 1909.8 MHz;Duty Cycle: 1:4.15
Medium: HSL1900_0504 Medium parameters used: f = 1910 MHz; σ = 1.421 S/m; ε_r = 40.01; ρ = 1000 kg/m^3
Ambient Temperature：23.4℃; Liquid Temperature：22.4℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3708; ConvF(8.41, 8.41, 8.41) @ 1909.8 MHz; Calibrated: 2023/10/30
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn546; Calibrated: 2023/09/14
- Phantom: SAM Right ; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

-Area Scan (41x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.953 W/kg

-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 22.08 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 1.32 W/kg
SAR(1 g) = 0.849 W/kg; SAR(10 g) = 0.428 W/kg
Smallest distance from peaks to all points 3 dB below = 10.7 mm
Ratio of SAR at M2 to SAR at M1 = 59.1%
Maximum value of SAR (measured) = 0.947 W/kg



0 dB = 0.947 W/kg

Test Laboratory: ritt 7 Layers SAR/HAC Testing Lab Date: 2024/05/04

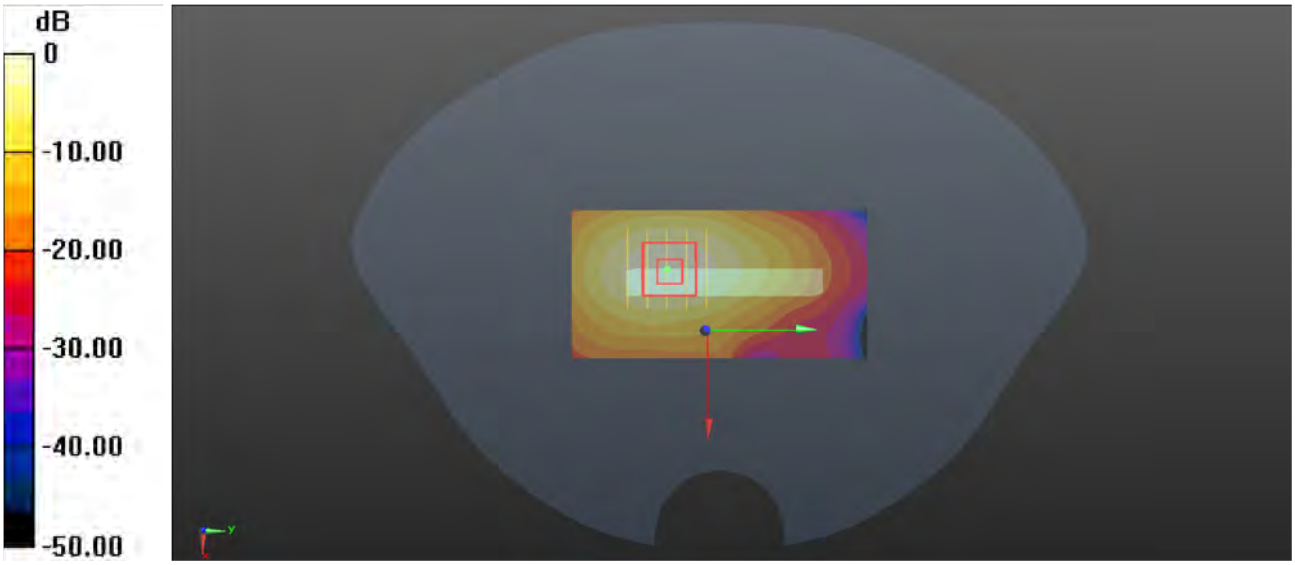
P63 WCDMA II_RMC12.2K_Top Side_1cm_Ch9262_Ant3

Communication System: WCDMA; Frequency: 1852.4 MHz;Duty Cycle: 1:1
Medium: HSL1900_0504 Medium parameters used: f = 1852.4 MHz; σ = 1.382 S/m; ε_r = 40.081; ρ = 1000 kg/m^3
Ambient Temperature：23.4℃; Liquid Temperature：22.4℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3708; ConvF(8.41, 8.41, 8.41) @ 1852.4 MHz; Calibrated: 2023/10/30
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn546; Calibrated: 2023/09/14
- Phantom: SAM Right ; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

-Area Scan (41x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.725 W/kg

-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 13.84 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 1.02 W/kg
SAR(1 g) = 0.654 W/kg; SAR(10 g) = 0.326 W/kg
Smallest distance from peaks to all points 3 dB below = 11.2 mm
Ratio of SAR at M2 to SAR at M1 = 59%
Maximum value of SAR (measured) = 0.704 W/kg



0 dB = 0.704 W/kg

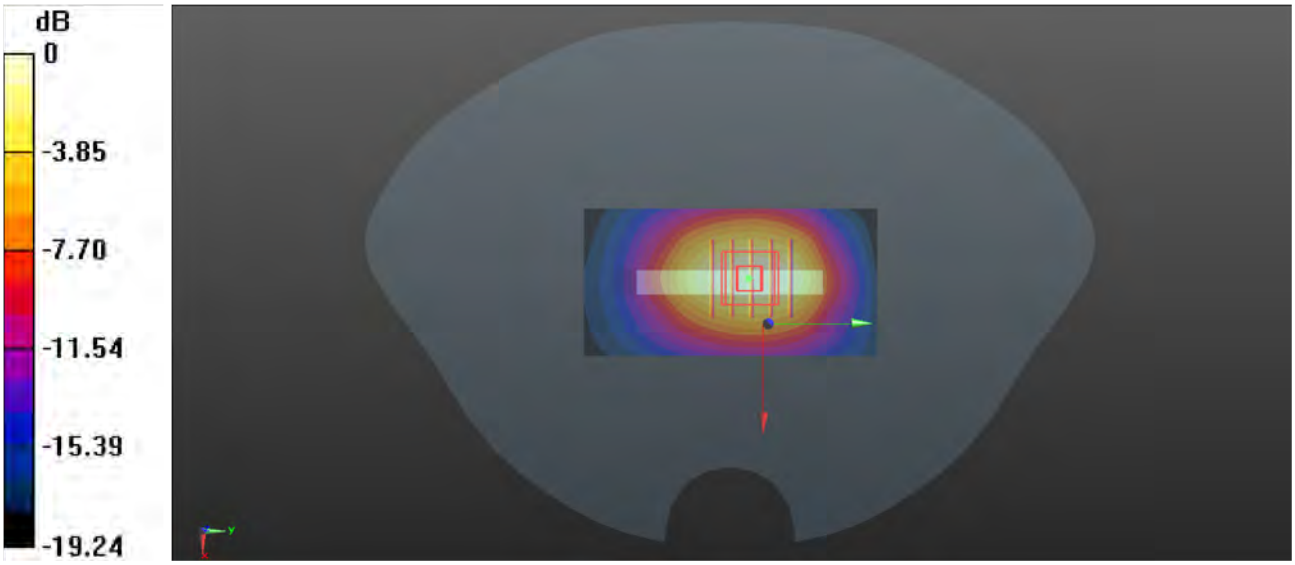
P64 WCDMA IV_RMC12.2K_Bottom Side_1cm_Ch1312_Ant1

Communication System: WCDMA; Frequency: 1712.4 MHz;Duty Cycle: 1:1
Medium: HSL1750_0501 Medium parameters used: f = 1712.4 MHz; σ = 1.289 S/m; ε_r = 41.326; ρ = 1000 kg/m^3
Ambient Temperature：23.5℃; Liquid Temperature：22.6℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3708; ConvF(8.38, 8.38, 8.38) @ 1712.4 MHz; Calibrated: 2023/10/30
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn546; Calibrated: 2023/09/14
- Phantom: SAM Right ; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

-Area Scan (41x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.857 W/kg

-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 24.50 V/m; Power Drift = 0.11 dB
Peak SAR (extrapolated) = 1.08 W/kg
SAR(1 g) = 0.682 W/kg; SAR(10 g) = 0.400 W/kg
Smallest distance from peaks to all points 3 dB below = 12.9 mm
Ratio of SAR at M2 to SAR at M1 = 63.3%
Maximum value of SAR (measured) = 0.823 W/kg



0 dB = 0.823 W/kg

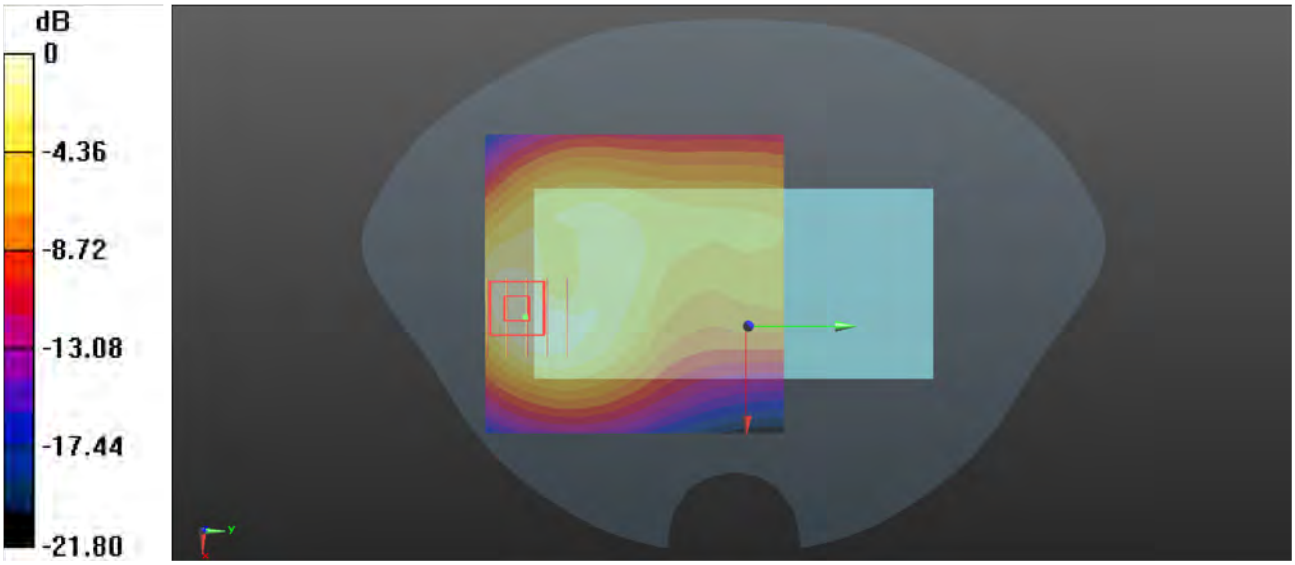
P65 WCDMA V_RMC12.2K_Rear Face_1cm_Ch4182_Ant0

Communication System: WCDMA; Frequency: 836.4 MHz;Duty Cycle: 1:1
Medium: HSL835_0430 Medium parameters used: f = 836.4 MHz; σ = 0.911 S/m; ε_r = 42.392; ρ = 1000 kg/m^3
Ambient Temperature：23.4℃; Liquid Temperature：22.7℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3708; ConvF(9.23, 9.23, 9.23) @ 836.4 MHz; Calibrated: 2023/10/30
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn546; Calibrated: 2023/09/14
- Phantom: SAM Right ; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

-Area Scan (81x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.596 W/kg

-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 13.74 V/m; Power Drift = 0.12 dB
Peak SAR (extrapolated) = 0.805 W/kg
SAR(1 g) = 0.483 W/kg; SAR(10 g) = 0.283 W/kg
Smallest distance from peaks to all points 3 dB below = 12.9 mm
Ratio of SAR at M2 to SAR at M1 = 60.3%
Maximum value of SAR (measured) = 0.572 W/kg



0 dB = 0.572 W/kg

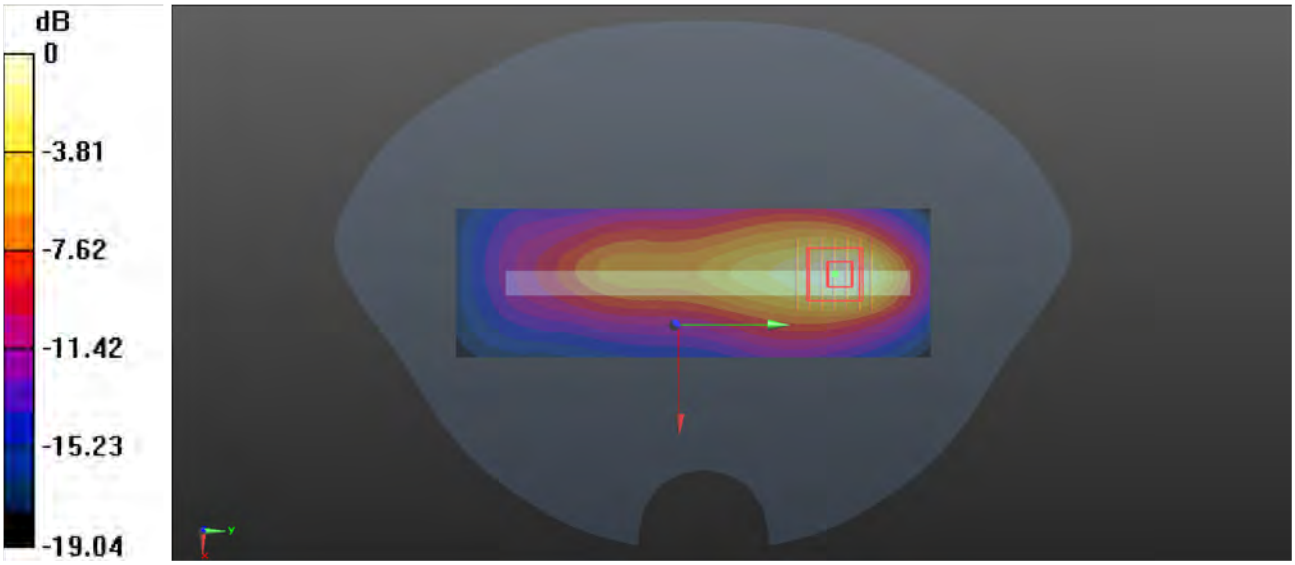
P66 LTE 7_QPSK20M_Left Side_1cm_Ch20850_1RB_OS0_Ant3

Communication System: LTE_FDD; Frequency: 2510 MHz;Duty Cycle: 1:1
Medium: HSL2600_0507 Medium parameters used: f = 2510 MHz; σ = 1.886 S/m; ε_r = 39.092; ρ = 1000 kg/m^3
Ambient Temperature：23.2℃; Liquid Temperature：22.4℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3708; ConvF(7.43, 7.43, 7.43) @ 2510 MHz; Calibrated: 2023/10/30
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn546; Calibrated: 2023/09/14
- Phantom: SAM Right ; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

-Area Scan (51x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 1.22 W/kg

-Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 13.91 V/m; Power Drift = 0.18 dB
Peak SAR (extrapolated) = 1.87 W/kg
SAR(1 g) = 0.928 W/kg; SAR(10 g) = 0.457 W/kg
Smallest distance from peaks to all points 3 dB below = 10.8 mm
Ratio of SAR at M2 to SAR at M1 = 51.3%
Maximum value of SAR (measured) = 1.21 W/kg



0 dB = 1.21 W/kg

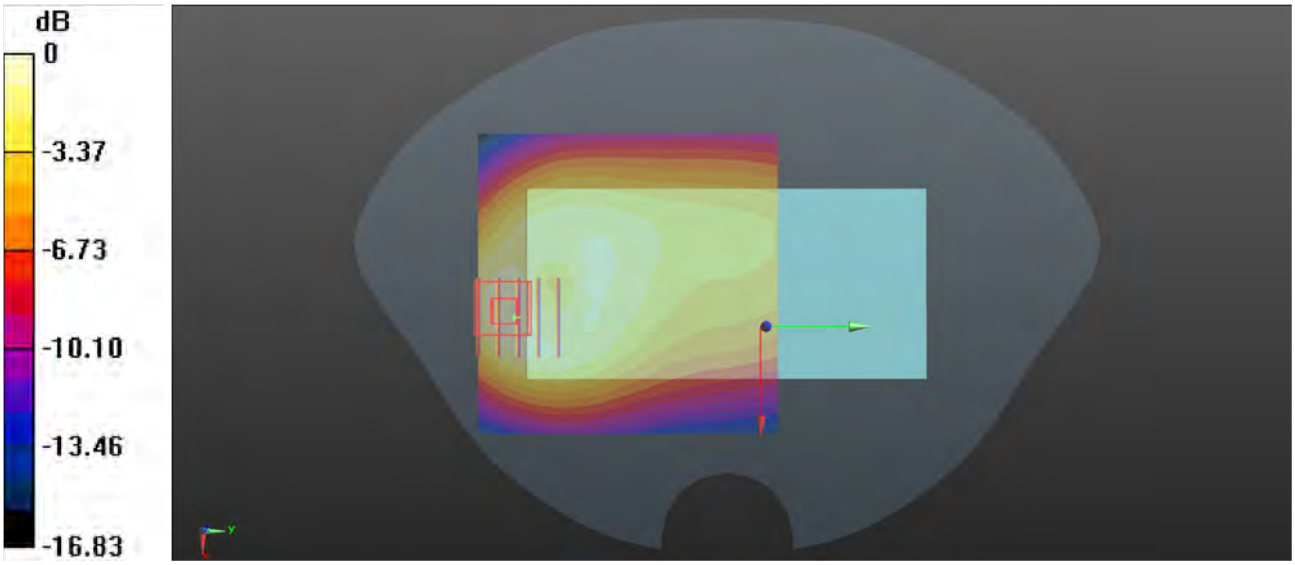
P67 LTE 12_QPSK10M_Rear Face_1cm_Ch23060_1RB_OS24_Ant0

Communication System: LTE_FDD; Frequency: 704 MHz;Duty Cycle: 1:1
Medium: HSL750_0428 Medium parameters used: f = 704 MHz; σ = 0.855 S/m; ε_r = 42.581; ρ = 1000 kg/m^3
Ambient Temperature：23.2℃; Liquid Temperature：22.3℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3708; ConvF(9.34, 9.34, 9.34) @ 704 MHz; Calibrated: 2023/10/30
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn546; Calibrated: 2023/09/14
- Phantom: SAM Right ; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

-Area Scan (81x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.275 W/kg

-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.08 V/m; Power Drift = 0.08 dB
Peak SAR (extrapolated) = 0.419 W/kg
SAR(1 g) = 0.244 W/kg; SAR(10 g) = 0.140 W/kg
Smallest distance from peaks to all points 3 dB below = 11.6 mm
Ratio of SAR at M2 to SAR at M1 = 56.1%
Maximum value of SAR (measured) = 0.272 W/kg



0 dB = 0.272 W/kg

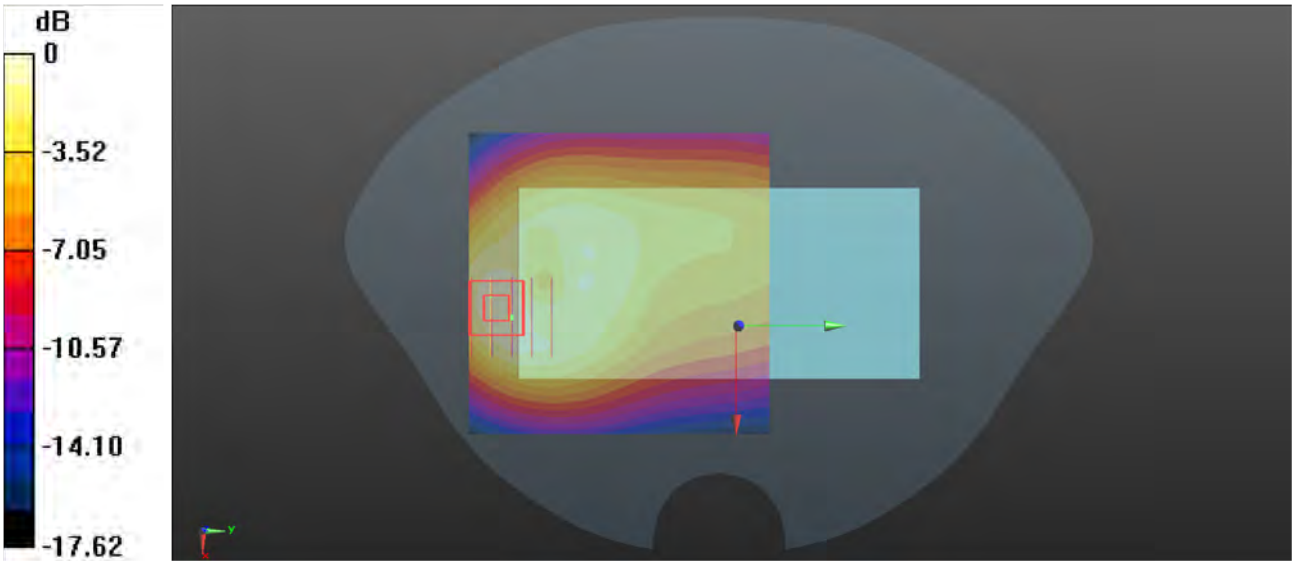
P68 LTE 13_QPSK10M_Rear Face_1cm_Ch23230_25RB_OS12_Ant0

Communication System: LTE_FDD; Frequency: 782 MHz;Duty Cycle: 1:1
Medium: HSL750_0428 Medium parameters used: f = 782 MHz; σ = 0.878 S/m; ε_r = 42.354; ρ = 1000 kg/m^3
Ambient Temperature：23.2℃; Liquid Temperature：22.3℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3708; ConvF(9.34, 9.34, 9.34) @ 782 MHz; Calibrated: 2023/10/30
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn546; Calibrated: 2023/09/14
- Phantom: SAM Right ; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

-Area Scan (81x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.377 W/kg

-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.64 V/m; Power Drift = 0.09 dB
Peak SAR (extrapolated) = 0.529 W/kg
SAR(1 g) = 0.322 W/kg; SAR(10 g) = 0.188 W/kg
Smallest distance from peaks to all points 3 dB below = 12.2 mm
Ratio of SAR at M2 to SAR at M1 = 62.4%
Maximum value of SAR (measured) = 0.362 W/kg



0 dB = 0.362 W/kg

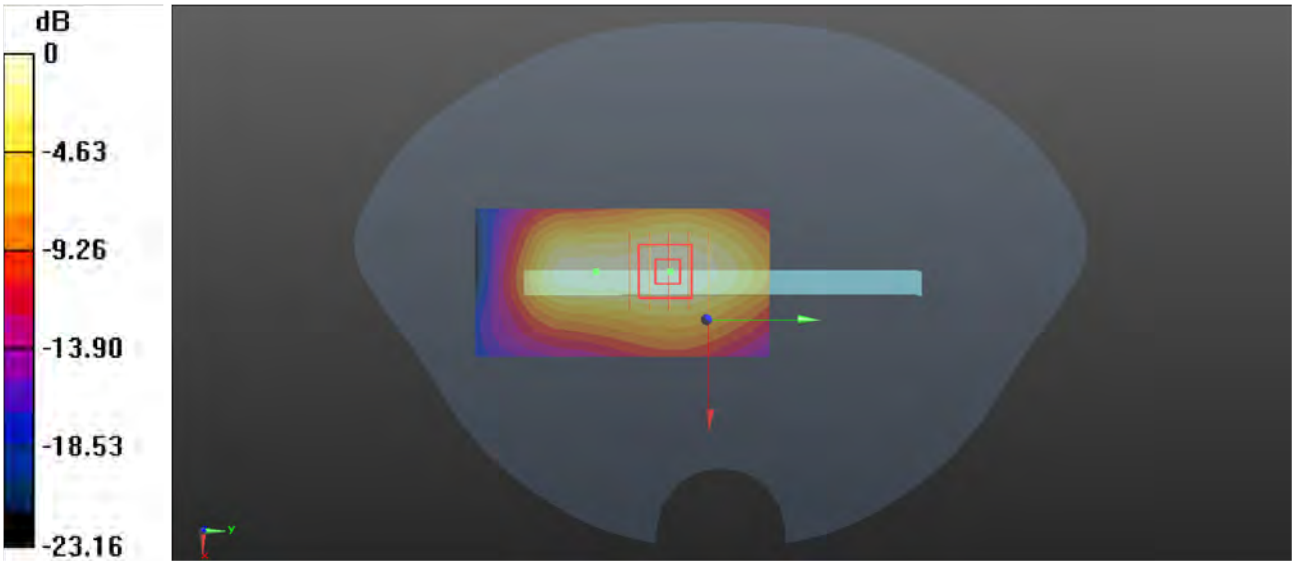
P69 LTE 25_QPSK20M_Left Side_1cm_Ch26340_1RB_OS99_Ant1

Communication System: LTE_FDD; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium: HSL1900_0505 Medium parameters used: f = 1880 MHz; σ = 1.429 S/m; ε_r = 39.992; ρ = 1000 kg/m^3
Ambient Temperature：23.2℃; Liquid Temperature：22.1℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3708; ConvF(8.41, 8.41, 8.41) @ 1880 MHz; Calibrated: 2023/10/30
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn546; Calibrated: 2023/09/14
- Phantom: SAM Right ; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

-Area Scan (41x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.742 W/kg

-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 18.46 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 0.990 W/kg
SAR(1 g) = 0.602 W/kg; SAR(10 g) = 0.361 W/kg
Smallest distance from peaks to all points 3 dB below = 14.8 mm
Ratio of SAR at M2 to SAR at M1 = 63.7%
Maximum value of SAR (measured) = 0.753 W/kg



0 dB = 0.753 W/kg

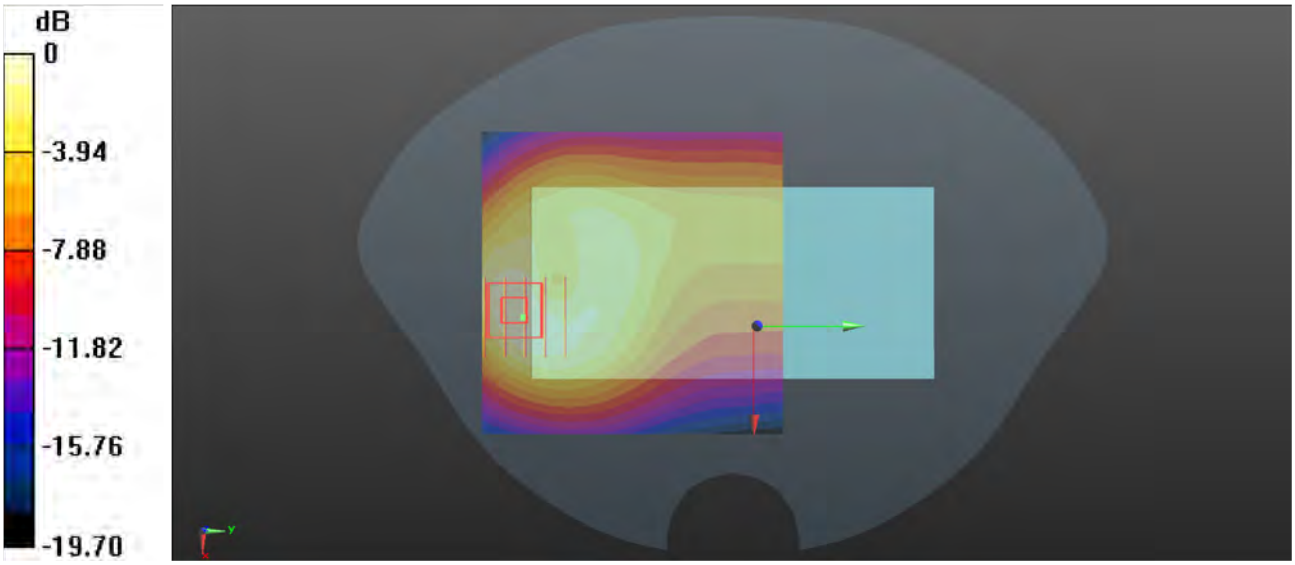
P70 LTE 26_QPSK15M_Rear Face_1cm_Ch26865_36RB_OS0_Ant0

Communication System: LTE_FDD; Frequency: 831.5 MHz;Duty Cycle: 1:1
Medium: HSL835_0430 Medium parameters used: f = 831.5 MHz; σ = 0.91 S/m; ε_r = 42.409; ρ = 1000 kg/m^3
Ambient Temperature：23.4℃; Liquid Temperature：22.7℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3708; ConvF(9.23, 9.23, 9.23) @ 831.5 MHz; Calibrated: 2023/10/30
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn546; Calibrated: 2023/09/14
- Phantom: SAM Right ; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

-Area Scan (81x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.417 W/kg

-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.76 V/m; Power Drift = 0.19 dB
Peak SAR (extrapolated) = 0.562 W/kg
SAR(1 g) = 0.337 W/kg; SAR(10 g) = 0.198 W/kg
Smallest distance from peaks to all points 3 dB below = 12.9 mm
Ratio of SAR at M2 to SAR at M1 = 60.4%
Maximum value of SAR (measured) = 0.397 W/kg



0 dB = 0.397 W/kg

Test Laboratory: ritt 7 Layers SAR/HAC Testing Lab Date: 2024/05/01

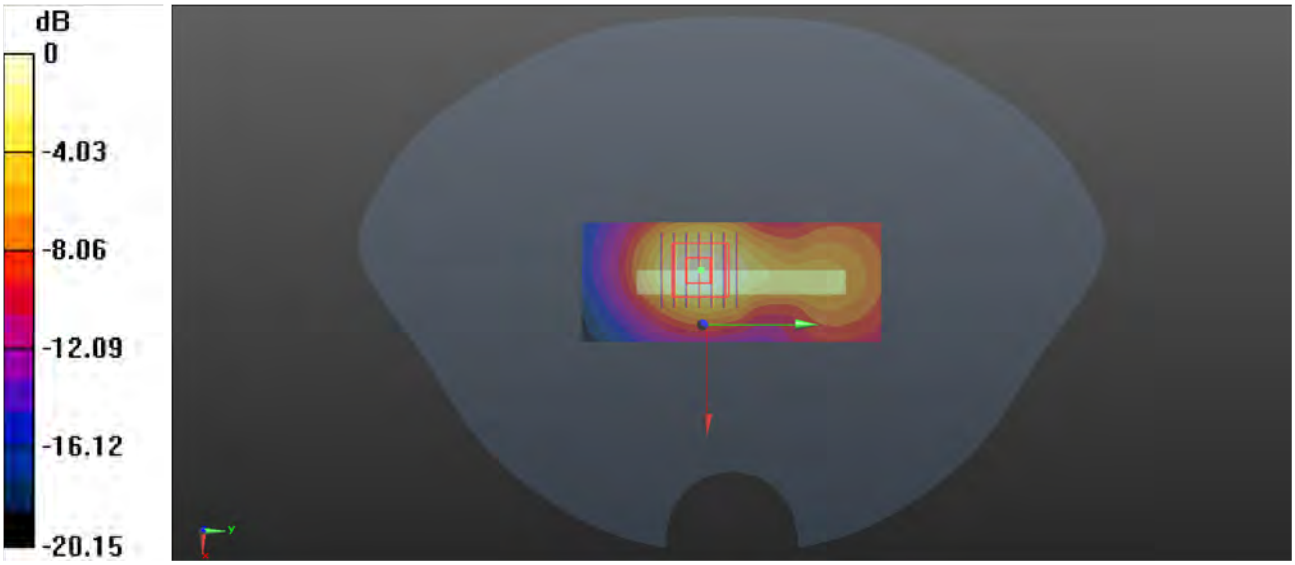
P71 LTE 38_QPSK20M_Bottom Side_1cm_Ch37850_1RB_OS0_Ant0

Communication System: LTE_TDD; Frequency: 2580 MHz;Duty Cycle: 1:1.59
Medium: HSL2600_0501 Medium parameters used: f = 2580 MHz; σ = 1.92 S/m; ε_r = 37.815; ρ = 1000 kg/m^3
Ambient Temperature：23.5℃; Liquid Temperature：22.5℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3708; ConvF(7.43, 7.43, 7.43) @ 2580 MHz; Calibrated: 2023/10/30
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn546; Calibrated: 2023/09/14
- Phantom: SAM Right ; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

-Area Scan (41x101x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.815 W/kg

-Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 17.12 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 0.948 W/kg
SAR(1 g) = 0.509 W/kg; SAR(10 g) = 0.258 W/kg
Smallest distance from peaks to all points 3 dB below = 12 mm
Ratio of SAR at M2 to SAR at M1 = 53.6%
Maximum value of SAR (measured) = 0.786 W/kg



0 dB = 0.786 W/kg

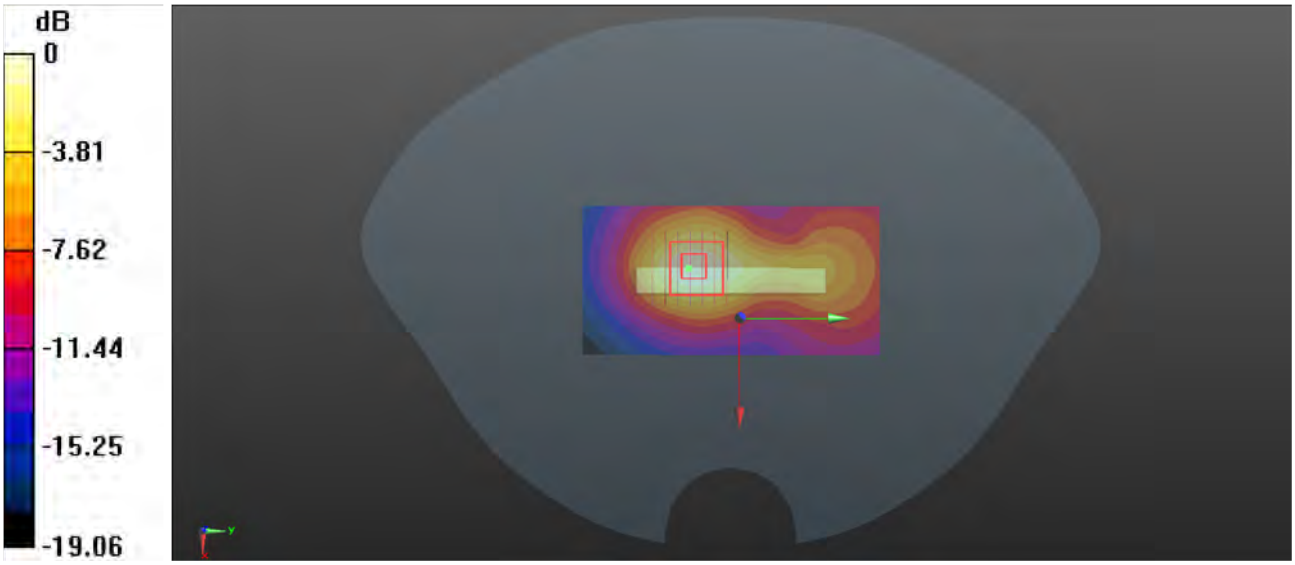
P72 LTE 41_QPSK20M_Bottom Side_1cm_Ch41490_1RB_OS0_Ant0

Communication System: LTE_TDD; Frequency: 2680 MHz;Duty Cycle: 1:1.59
Medium: HSL2600_0508 Medium parameters used: f = 2680 MHz; σ = 1.946 S/m; ε_r = 39.218; ρ = 1000 kg/m^3
Ambient Temperature：23.7℃; Liquid Temperature：22.5℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3708; ConvF(7.43, 7.43, 7.43) @ 2680 MHz; Calibrated: 2023/10/30
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn546; Calibrated: 2023/09/14
- Phantom: SAM Right ; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

-Area Scan (51x101x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.653 W/kg

-Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 14.68 V/m; Power Drift = -0.07 dB
Peak SAR (extrapolated) = 0.801 W/kg
SAR(1 g) = 0.396 W/kg; SAR(10 g) = 0.220 W/kg
Smallest distance from peaks to all points 3 dB below = 11.7 mm
Ratio of SAR at M2 to SAR at M1 = 53.3%
Maximum value of SAR (measured) = 0.661 W/kg



0 dB = 0.661 W/kg

Test Laboratory: ritt 7 Layers SAR/HAC Testing Lab Date: 2024/05/02

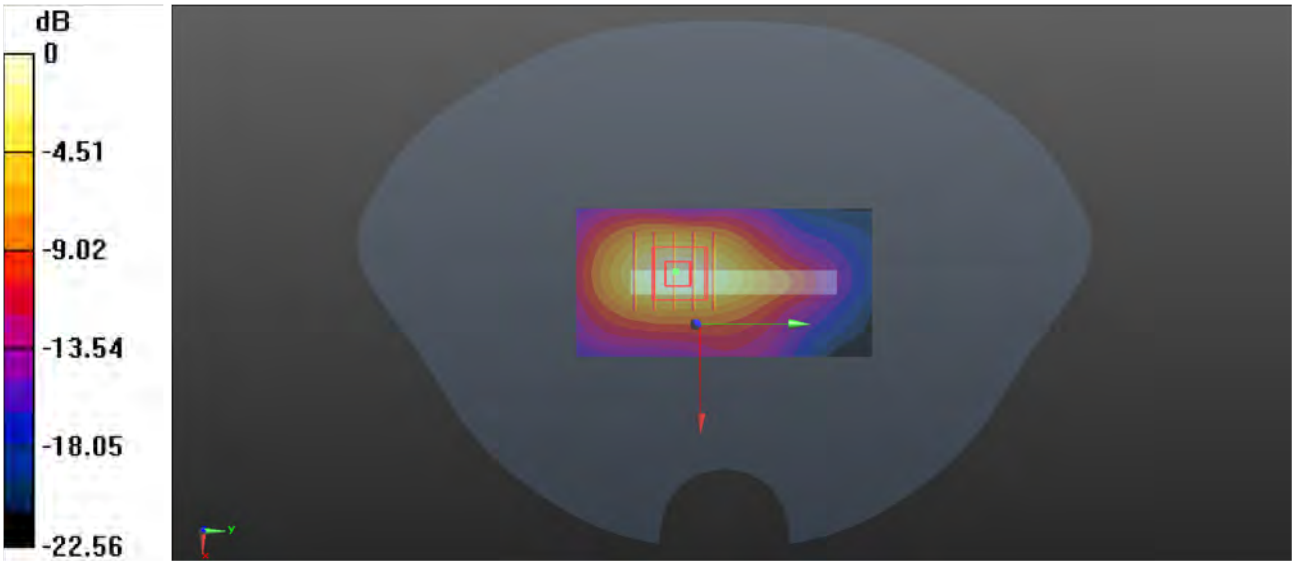
P73 LTE 66_QPSK20M_Top Side_1cm_Ch132322_1RB_OS99_Ant3

Communication System: LTE_FDD; Frequency: 1745 MHz;Duty Cycle: 1:1
Medium: HSL1750_0502 Medium parameters used: f = 1745 MHz; σ = 1.345 S/m; ε_r = 39.484; ρ = 1000 kg/m^3
Ambient Temperature：23.3℃; Liquid Temperature：22.5℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3708; ConvF(8.38, 8.38, 8.38) @ 1745 MHz; Calibrated: 2023/10/30
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn546; Calibrated: 2023/09/14
- Phantom: SAM Right ; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

-Area Scan (41x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.760 W/kg

-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 17.93 V/m; Power Drift = -0.15 dB
Peak SAR (extrapolated) = 1.01 W/kg
SAR(1 g) = 0.575 W/kg; SAR(10 g) = 0.311 W/kg
Smallest distance from peaks to all points 3 dB below = 10.7 mm
Ratio of SAR at M2 to SAR at M1 = 59.7%
Maximum value of SAR (measured) = 0.728 W/kg



0 dB = 0.728 W/kg

Test Laboratory: ritt 7 Layers SAR/HAC Testing Lab Date: 2024/04/29

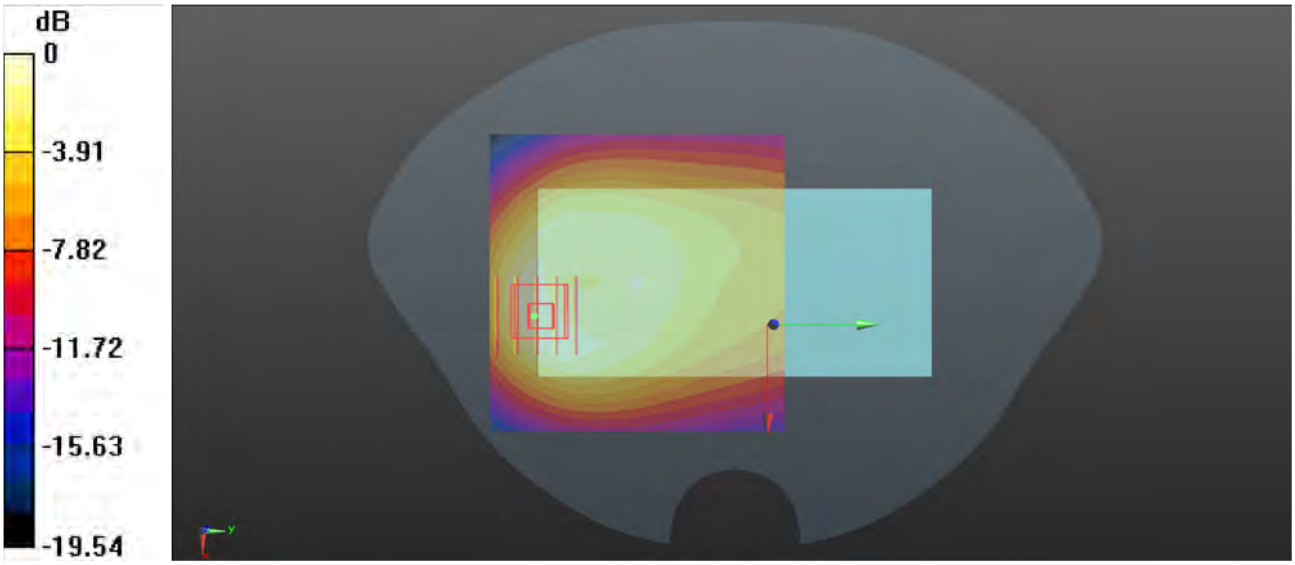
P74 LTE 71_QPSK20M_Rear Face_1cm_Ch133322_50RB_OS0_Ant0

Communication System: LTE_FDD; Frequency: 683 MHz;Duty Cycle: 1:1
Medium: HSL750_0429 Medium parameters used: f = 683 MHz; σ = 0.852 S/m; ε_r = 42.72; ρ = 1000 kg/m^3
Ambient Temperature：23.1℃; Liquid Temperature：22.3℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3708; ConvF(9.34, 9.34, 9.34) @ 683 MHz; Calibrated: 2023/10/30
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn546; Calibrated: 2023/09/14
- Phantom: SAM Right ; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

-Area Scan (81x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.324 W/kg

-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.43 V/m; Power Drift = 0.10 dB
Peak SAR (extrapolated) = 0.499 W/kg
SAR(1 g) = 0.288 W/kg; SAR(10 g) = 0.166 W/kg
Smallest distance from peaks to all points 3 dB below = 12.2 mm
Ratio of SAR at M2 to SAR at M1 = 59.3%
Maximum value of SAR (measured) = 0.332 W/kg



0 dB = 0.332 W/kg

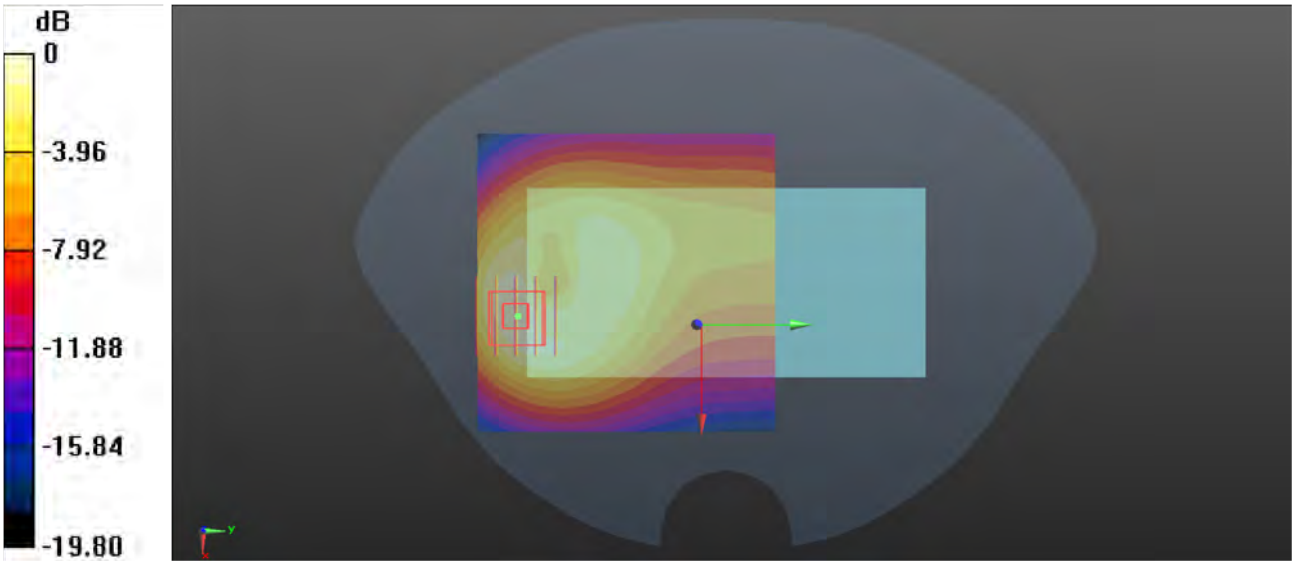
P75 NR N5_QPSK20M SCS15K_Rear Face_1cm_Ch167300_1RB_OS1_Ant0

Communication System: NR; Frequency: 836.5 MHz;Duty Cycle: 1:1
Medium: HSL835_0430 Medium parameters used: f = 836.5 MHz; σ = 0.911 S/m; ε_r = 42.392; ρ = 1000 kg/m^3
Ambient Temperature：23.4℃; Liquid Temperature：22.7℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3708; ConvF(9.23, 9.23, 9.23) @ 836.5 MHz; Calibrated: 2023/10/30
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn546; Calibrated: 2023/09/14
- Phantom: SAM Right ; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

-Area Scan (81x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.596 W/kg

-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 13.09 V/m; Power Drift = 0.12 dB
Peak SAR (extrapolated) = 0.794 W/kg
SAR(1 g) = 0.471 W/kg; SAR(10 g) = 0.276 W/kg
Smallest distance from peaks to all points 3 dB below = 13.6 mm
Ratio of SAR at M2 to SAR at M1 = 60.1%
Maximum value of SAR (measured) = 0.582 W/kg



0 dB = 0.582 W/kg

Test Laboratory: ritt 7 Layers SAR/HAC Testing Lab Date: 2024/05/10

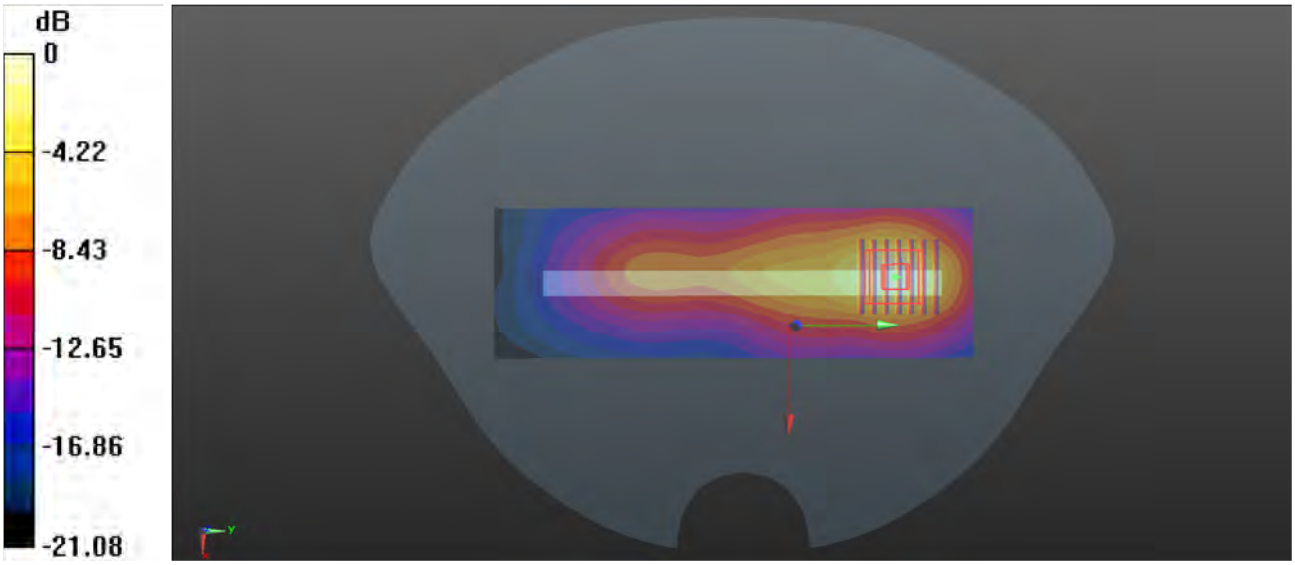
P76 NR N7_QPSK20M SCS15K_Left Side_1cm_Ch512000_50RB_OS28_Ant3

Communication System: NR; Frequency: 2560 MHz;Duty Cycle: 1:1
Medium: HSL2600_0510 Medium parameters used: f = 2560 MHz; σ = 1.909 S/m; ε_r = 39.388; ρ = 1000 kg/m^3
Ambient Temperature：23.3℃; Liquid Temperature：22.1℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3708; ConvF(7.43, 7.43, 7.43) @ 2560 MHz; Calibrated: 2023/10/30
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn546; Calibrated: 2023/09/14
- Phantom: SAM Right ; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

-Area Scan (51x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 1.23 W/kg

-Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 11.77 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 1.87 W/kg
SAR(1 g) = 0.924 W/kg; SAR(10 g) = 0.439 W/kg
Smallest distance from peaks to all points 3 dB below = 10.4 mm
Ratio of SAR at M2 to SAR at M1 = 50.6%
Maximum value of SAR (measured) = 1.21 W/kg



0 dB = 1.21 W/kg

Test Laboratory: ritt 7 Layers SAR/HAC Testing Lab Date: 2024/05/06

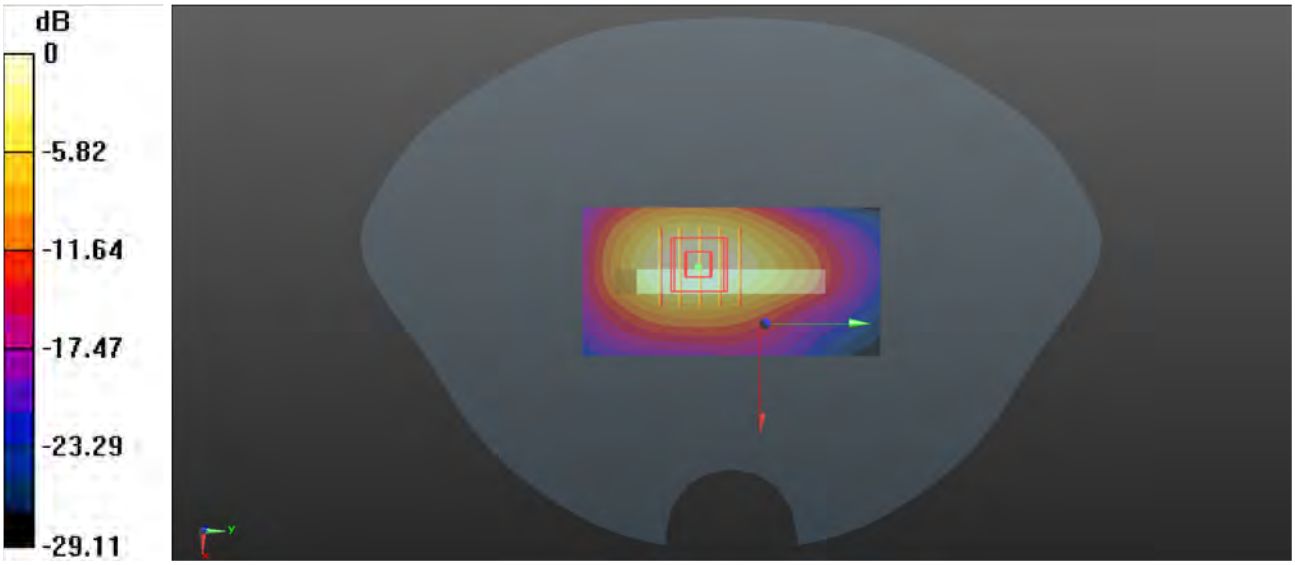
P77 NR N25_QPSK20M SCS15K_Top Side_1cm_Ch381000_1RB_OS1_Ant3

Communication System: NR; Frequency: 1905 MHz;Duty Cycle: 1:1
Medium: HSL1900_0506 Medium parameters used: f = 1905 MHz; σ = 1.395 S/m; ε_r = 38.639; ρ = 1000 kg/m^3
Ambient Temperature：23.5℃; Liquid Temperature：22.5℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3708; ConvF(8.41, 8.41, 8.41) @ 1905 MHz; Calibrated: 2023/10/30
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn546; Calibrated: 2023/09/14
- Phantom: SAM Right ; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

-Area Scan (41x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.03 W/kg

-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 19.22 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 1.11 W/kg
SAR(1 g) = 0.635 W/kg; SAR(10 g) = 0.346 W/kg
Smallest distance from peaks to all points 3 dB below = 11.2 mm
Ratio of SAR at M2 to SAR at M1 = 60.7%
Maximum value of SAR (measured) = 0.896 W/kg



0 dB = 0.896 W/kg

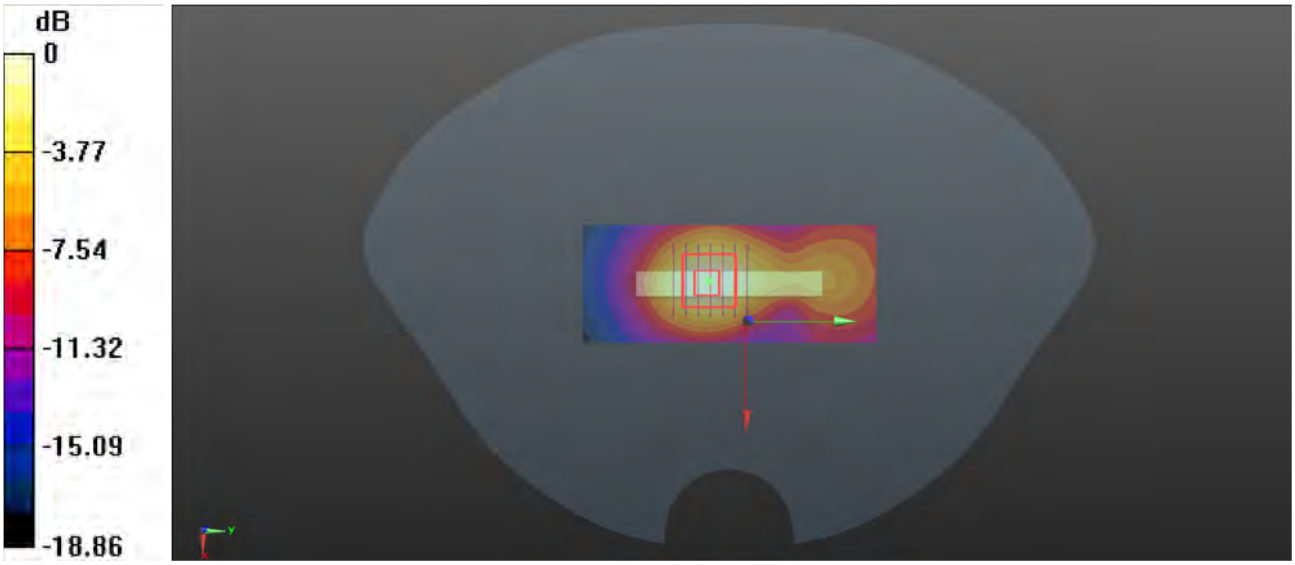
P78 NR N38_QPSK40M SCS30K_Bottom Side_1cm_Ch520000_1RB_OS1_Ant0

Communication System: NR; Frequency: 2590 MHz;Duty Cycle: 1:1
Medium: HSL2600_0511 Medium parameters used: f = 2590 MHz; σ = 1.882 S/m; ε_r = 39.416; ρ = 1000 kg/m^3
Ambient Temperature：23.5℃; Liquid Temperature：22.5℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3708; ConvF(7.43, 7.43, 7.43) @ 2590 MHz; Calibrated: 2023/10/30
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn546; Calibrated: 2023/09/14
- Phantom: SAM Right ; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

-Area Scan (41x101x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 1.11 W/kg

-Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 21.63 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 1.35 W/kg
SAR(1 g) = 0.744 W/kg; SAR(10 g) = 0.378W/kg
Smallest distance from peaks to all points 3 dB below = 11.2 mm
Ratio of SAR at M2 to SAR at M1 = 54.2%
Maximum value of SAR (measured) = 1.04 W/kg



0 dB = 1.04 W/kg

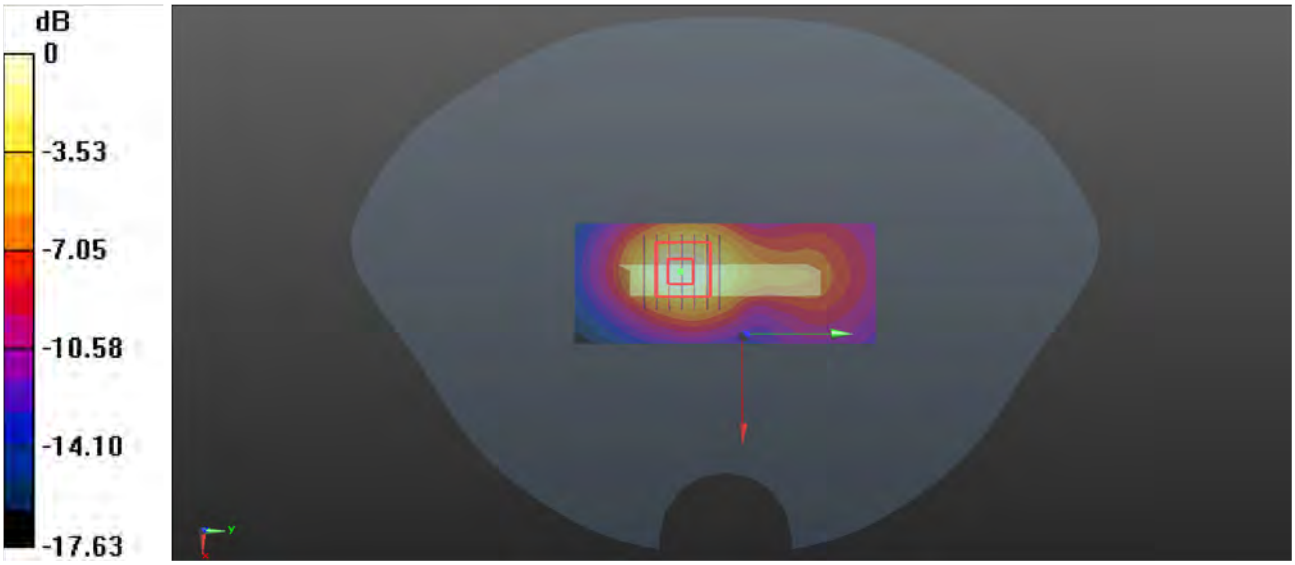
P79 NR N41_QPSK100M SCS30K_Bottom Side_1cm_Ch509202_1RB_OS1_Ant0

Communication System: NR; Frequency: 2546.01 MHz;Duty Cycle: 1:1
Medium: HSL2600_0509 Medium parameters used: f = 2546.01 MHz; σ = 1.853 S/m; ε_r = 39.704; ρ = 1000 kg/m^3
Ambient Temperature：23.5℃; Liquid Temperature：22.2℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3708; ConvF(7.43, 7.43, 7.43) @ 2546.01 MHz; Calibrated: 2023/10/30
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn546; Calibrated: 2023/09/14
- Phantom: SAM Right ; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

-Area Scan (41x101x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 1.18 W/kg

-Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 18.17 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 1.47 W/kg
SAR(1 g) = 0.803 W/kg; SAR(10 g) = 0.408 W/kg
Smallest distance from peaks to all points 3 dB below = 11.4 mm
Ratio of SAR at M2 to SAR at M1 = 54%
Maximum value of SAR (measured) = 1.14 W/kg



0 dB = 1.14 W/kg

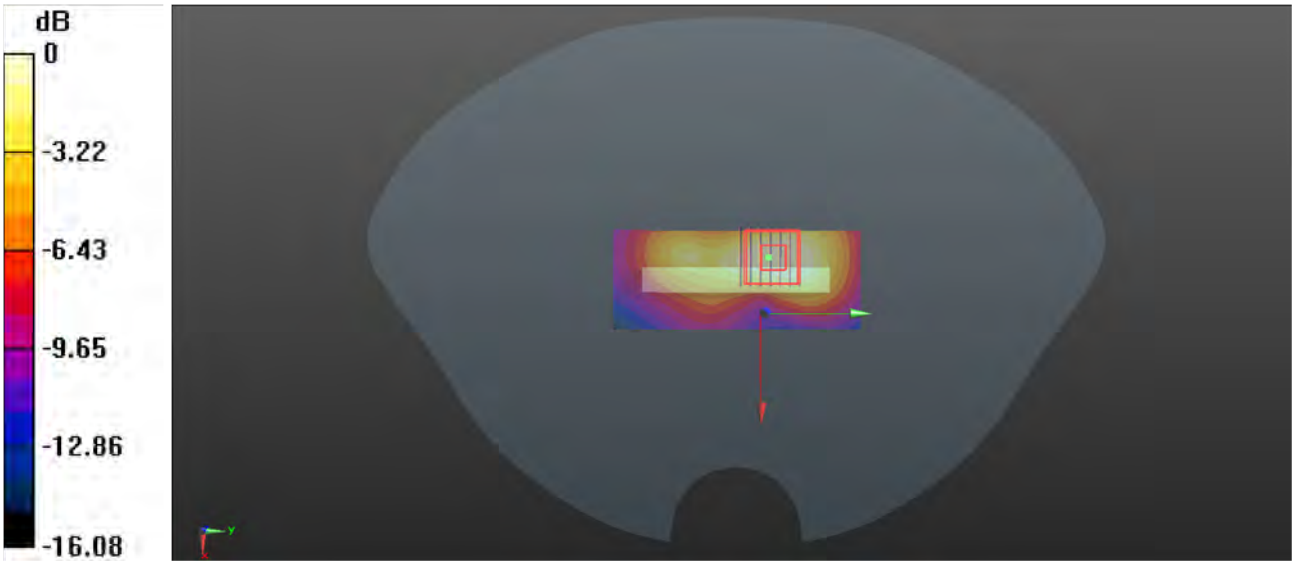
P80 NR N48_QPSK40M SCS30K_Top Side_1cm_Ch641666_100RB_OS0_Ant6

Communication System: NR; Frequency: 3624.99 MHz;Duty Cycle: 1:1
Medium: HSL3700_0514 Medium parameters used: f = 3624.99 MHz; σ = 2.938 S/m; ε_r = 39.487; ρ = 1000 kg/m^3
Ambient Temperature：23.5℃; Liquid Temperature：22.6℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3708; ConvF(6.81, 6.81, 6.81) @ 3624.99 MHz; Calibrated: 2023/10/30
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn546; Calibrated: 2023/09/14
- Phantom: SAM Right ; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

-Area Scan (41x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 1.27 W/kg

-Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 14.07 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 1.50 W/kg
SAR(1 g) = 0.663 W/kg; SAR(10 g) = 0.291 W/kg
Smallest distance from peaks to all points 3 dB below = 8.8 mm
Ratio of SAR at M2 to SAR at M1 = 70.8%
Maximum value of SAR (measured) = 1.06 W/kg



0 dB = 1.06 W/kg

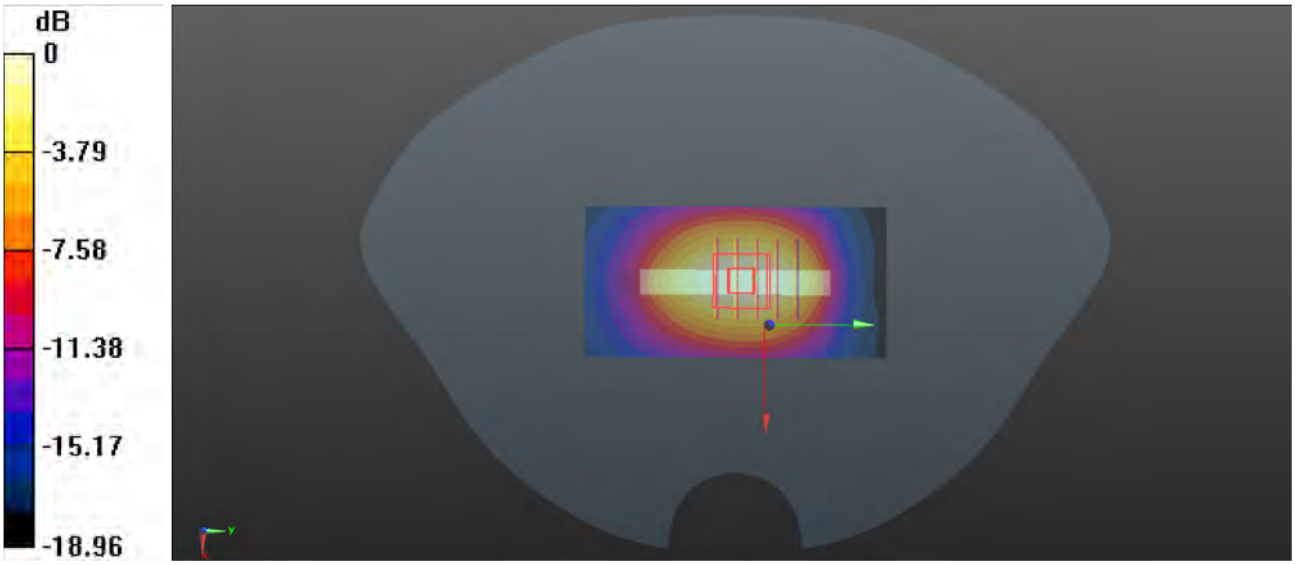
P81 NR N66_QPSK20M SCS15K_Bottom Side_1cm_Ch344000_1RB_OS1_Ant1

Communication System: NR; Frequency: 1720 MHz;Duty Cycle: 1:1
Medium: HSL1750_0503 Medium parameters used: f = 1720 MHz; σ = 1.348 S/m; ε_r = 40.465; ρ = 1000 kg/m^3
Ambient Temperature：23.7℃; Liquid Temperature：22.6℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3708; ConvF(8.38, 8.38, 8.38) @ 1720 MHz; Calibrated: 2023/10/30
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn546; Calibrated: 2023/09/14
- Phantom: SAM Right ; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

-Area Scan (41x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.832 W/kg

-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 25.10 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 0.941 W/kg
SAR(1 g) = 0.565 W/kg; SAR(10 g) = 0.329 W/kg
Smallest distance from peaks to all points 3 dB below = 12.8 mm
Ratio of SAR at M2 to SAR at M1 = 62.5%
Maximum value of SAR (measured) = 0.779 W/kg



0 dB = 0.779 W/kg

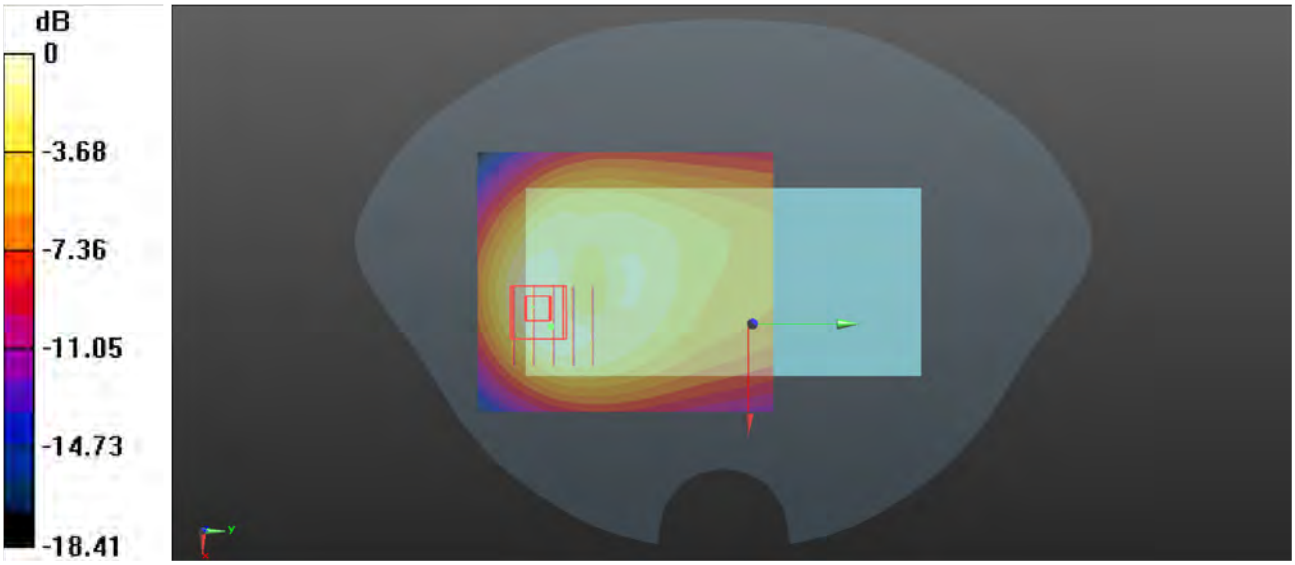
P82 NR N71_QPSK20M SCS15K_Rear Face_1cm_Ch137600_1RB_OS1_Ant0

Communication System: NR; Frequency: 688 MHz;Duty Cycle: 1:1
Medium: HSL750_0429 Medium parameters used: f = 688 MHz; σ = 0.854 S/m; ε_r = 42.706; ρ = 1000 kg/m^3
Ambient Temperature：23.1℃; Liquid Temperature：22.3℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3708; ConvF(9.34, 9.34, 9.34) @ 688 MHz; Calibrated: 2023/10/30
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn546; Calibrated: 2023/09/14
- Phantom: SAM Right ; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

-Area Scan (71x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.471 W/kg

-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 15.11 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 0.699 W/kg
SAR(1 g) = 0.404 W/kg; SAR(10 g) = 0.229 W/kg
Smallest distance from peaks to all points 3 dB below = 11.3 mm
Ratio of SAR at M2 to SAR at M1 = 59.5%
Maximum value of SAR (measured) = 0.464 W/kg



0 dB = 0.464 W/kg

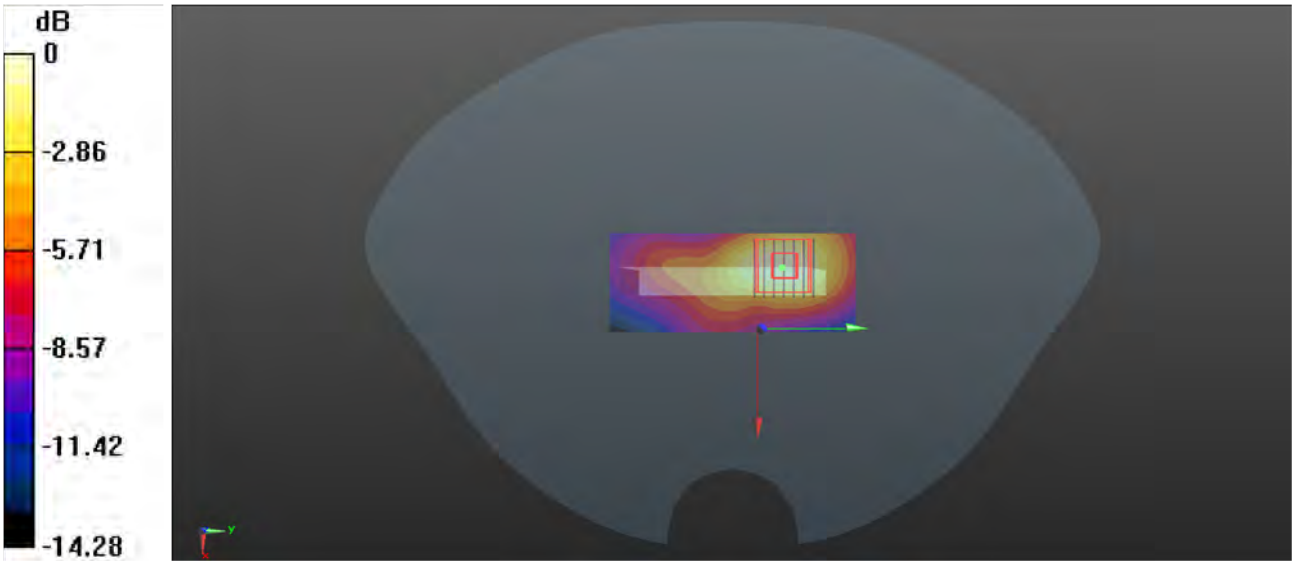
P83 NR N77_QPSK100M SCS30K_Top Side_1cm_Ch633334_1RB_OS1_Ant6

Communication System: NR; Frequency: 3500.01 MHz;Duty Cycle: 1:1
Medium: HSL3500_0512 Medium parameters used: f = 3500.01 MHz; σ = 2.794 S/m; ε_r = 39.129; ρ = 1000 kg/m^3
Ambient Temperature：23.4℃; Liquid Temperature：22.2℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3708; ConvF(6.81, 6.81, 6.81) @ 3500.01 MHz; Calibrated: 2023/10/30
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn546; Calibrated: 2023/09/14
- Phantom: SAM Right ; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

-Area Scan (41x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.962 W/kg

-Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 13.64 V/m; Power Drift = 0.18 dB
Peak SAR (extrapolated) = 1.31 W/kg
SAR(1 g) = 0.614 W/kg; SAR(10 g) = 0.285 W/kg
Smallest distance from peaks to all points 3 dB below = 11.9 mm
Ratio of SAR at M2 to SAR at M1 = 71.7%
Maximum value of SAR (measured) = 0.947 W/kg



0 dB = 0.947 W/kg

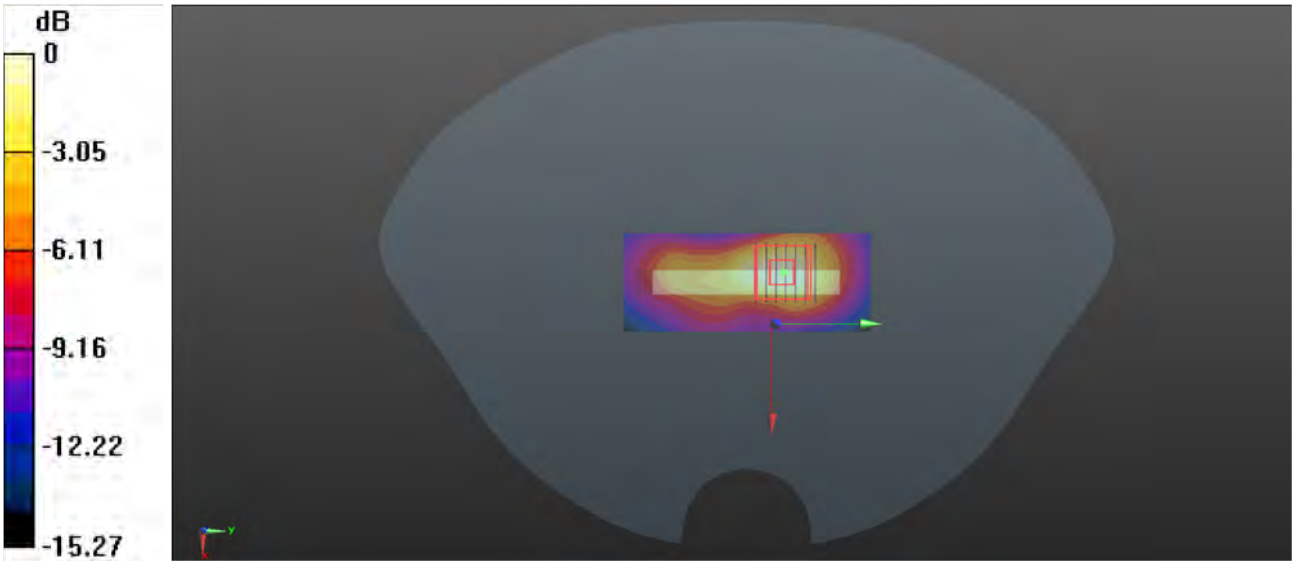
P84 NR N78_QPSK100M SCS30K_Top Side_1cm_Ch633334_1RB_OS1_Ant6

Communication System: NR; Frequency: 3500.01 MHz;Duty Cycle: 1:1
Medium: HSL3500_0513 Medium parameters used: f = 3500.01 MHz; σ = 2.821 S/m; ε_r = 39.687; ρ = 1000 kg/m^3
Ambient Temperature：23.3℃; Liquid Temperature：22.3℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3708; ConvF(6.81, 6.81, 6.81) @ 3500.01 MHz; Calibrated: 2023/10/30
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn546; Calibrated: 2023/09/14
- Phantom: SAM Right ; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

-Area Scan (41x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 1.40 W/kg

-Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 18.60 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 1.91 W/kg
SAR(1 g) = 0.841 W/kg; SAR(10 g) = 0.368 W/kg
Smallest distance from peaks to all points 3 dB below = 9.6 mm
Ratio of SAR at M2 to SAR at M1 = 70.5%
Maximum value of SAR (measured) = 1.35 W/kg



0 dB = 1.35 W/kg

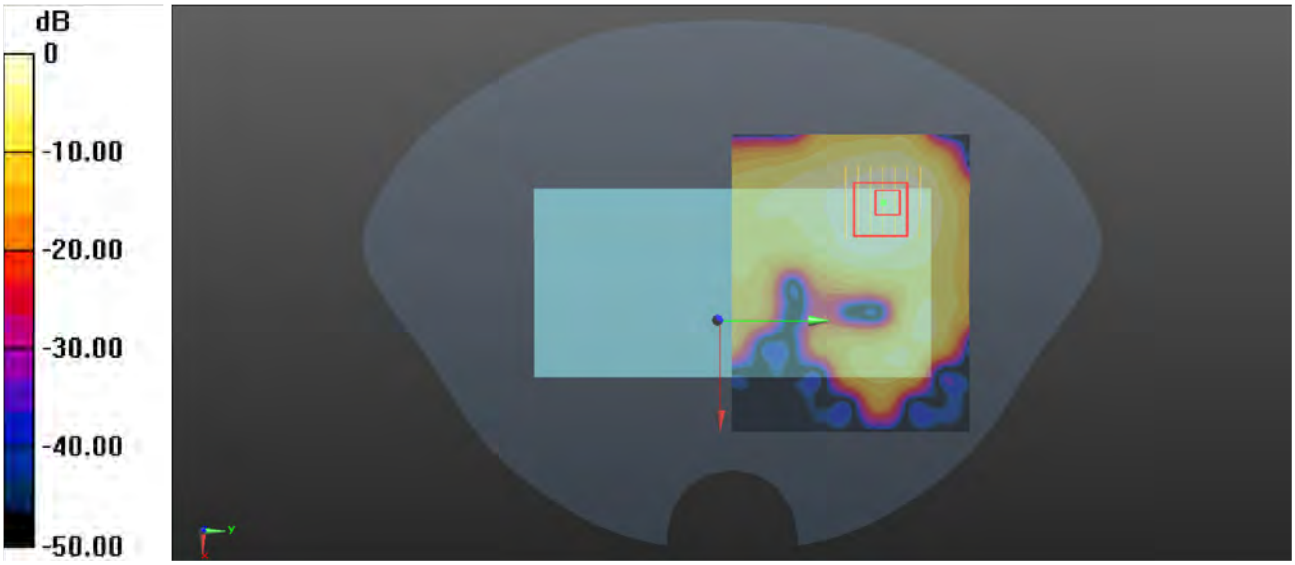
P85 WLAN2.4G_802.11b_Rear Face_1cm_Ch6_Ant9+10

Communication System: 802.11b; Frequency: 2437 MHz;Duty Cycle: 1:1.116
Medium: HSL2450_0514 Medium parameters used: f = 2437 MHz; σ = 1.727 S/m; ε_r = 37.874; ρ = 1000 kg/m^3
Ambient Temperature：23.2℃; Liquid Temperature：22.5℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3708; ConvF(7.58, 7.58, 7.58) @ 2437 MHz; Calibrated: 2023/10/30
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn546; Calibrated: 2023/09/14
- Phantom: SAM Right ; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

-Area Scan (101x81x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.215 W/kg

-Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 3.595 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 0.272 W/kg
SAR(1 g) = 0.149 W/kg; SAR(10 g) = 0.081 W/kg
Smallest distance from peaks to all points 3 dB below = 12.4 mm
Ratio of SAR at M2 to SAR at M1 = 51.5%
Maximum value of SAR (measured) = 0.214 W/kg



0 dB = 0.214 W/kg

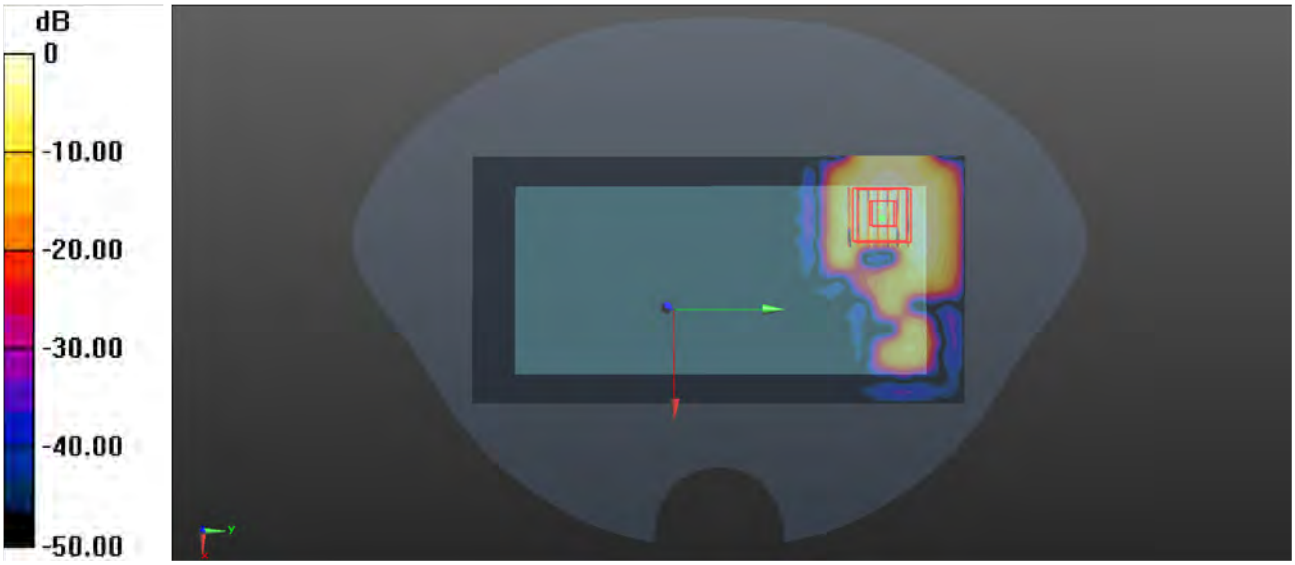
P86 WLAN5G_802.11a_Rear Face_1cm_Ch48_Ant8+11

Communication System: 802.11a; Frequency: 5240 MHz;Duty Cycle: 1:1.123
Medium: HSL5G_0515 Medium parameters used: f = 5240 MHz; σ = 4.612 S/m; ε_r = 36.233; ρ = 1000 kg/m^3
Ambient Temperature：23.6℃; Liquid Temperature：22.8℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3708; ConvF(5.69, 5.69, 5.69) @ 5240 MHz; Calibrated: 2023/10/30
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn546; Calibrated: 2023/09/14
- Phantom: SAM Right ; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

-Area Scan (101x201x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.186 W/kg

-Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 0 V/m; Power Drift = 0.00 dB
Peak SAR (extrapolated) = 0.256 W/kg
SAR(1 g) = 0.069 W/kg; SAR(10 g) = 0.024 W/kg
Smallest distance from peaks to all points 3 dB below = 9.3 mm
Ratio of SAR at M2 to SAR at M1 = 53.4%
Maximum value of SAR (measured) = 0.136 W/kg



0 dB = 0.136 W/kg

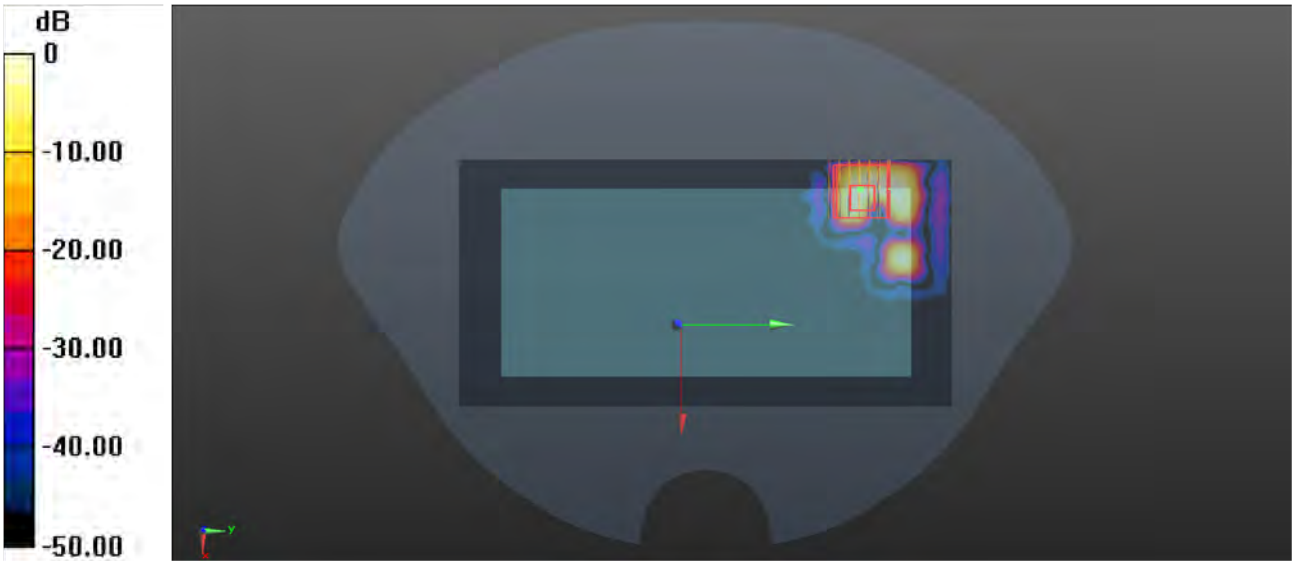
P87 WLAN5G_802.11ax-HE40_Rear Face_1cm_Ch151_Ant8+11

Communication System: 802.11ax-HE40; Frequency: 5755 MHz;Duty Cycle: 1:1.117
Medium: HSL5G_0515 Medium parameters used: f = 5755 MHz; σ = 5.142 S/m; ε_r = 34.227; ρ = 1000 kg/m^3
Ambient Temperature：23.6℃; Liquid Temperature：22.8℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3708; ConvF(5.21, 5.21, 5.21) @ 5755 MHz; Calibrated: 2023/10/30
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn546; Calibrated: 2023/09/14
- Phantom: SAM Right ; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

-Area Scan (101x201x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.0734 W/kg

-Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 0.8100 V/m; Power Drift = -0.09 dB
Peak SAR (extrapolated) = 0.405 W/kg
SAR(1 g) = 0.032 W/kg; SAR(10 g) = 0.008 W/kg
Smallest distance from peaks to all points 3 dB below: Larger than measurement grid
Ratio of SAR at M2 to SAR at M1 = 38.1%
Maximum value of SAR (measured) = 0.0570 W/kg



0 dB = 0.0570 W/kg

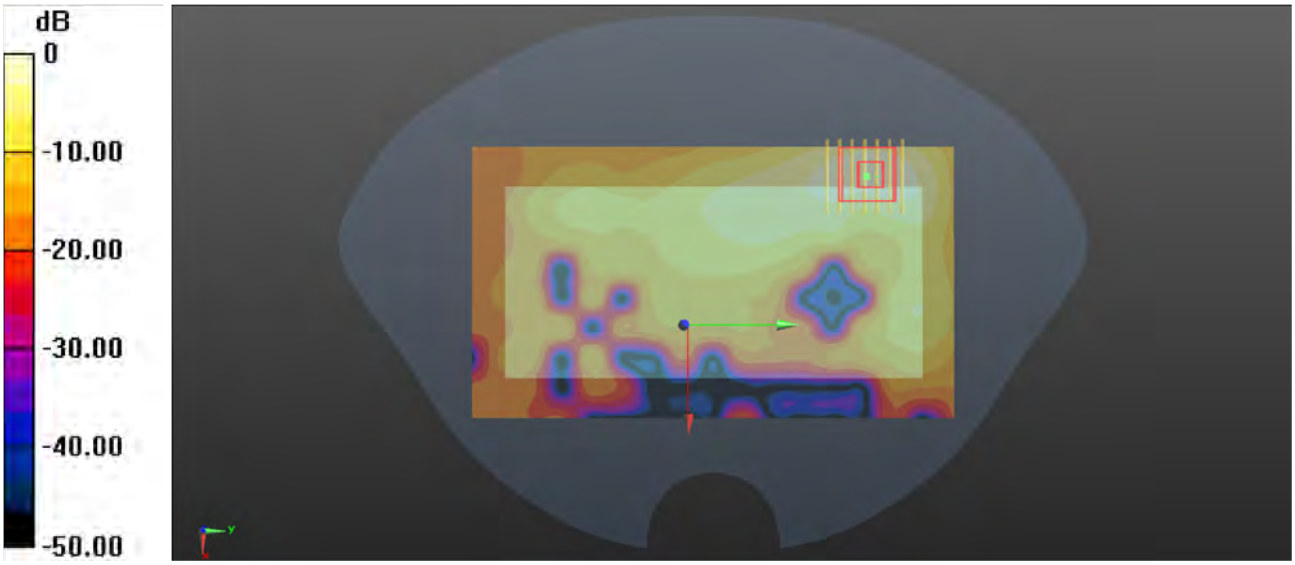
P88 BT_GFSK_Rear Face_1cm_Ch0_Ant10

Communication System: BT; Frequency: 2402 MHz;Duty Cycle: 1:1.299
Medium: HSL2450_0514 Medium parameters used: f = 2402 MHz; σ = 1.834 S/m; ε_r = 39.32; ρ = 1000 kg/m^3
Ambient Temperature：23.2℃; Liquid Temperature：22.5℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3708; ConvF(7.58, 7.58, 7.58) @ 2402 MHz; Calibrated: 2023/10/30
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn546; Calibrated: 2023/09/14
- Phantom: SAM Right ; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

-Area Scan (91x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.0870 W/kg

-Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 2.305 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 0.129 W/kg
SAR(1 g) = 0.061 W/kg; SAR(10 g) = 0.030 W/kg
Smallest distance from peaks to all points 3 dB below: Larger than measurement grid
Ratio of SAR at M2 to SAR at M1 = 47.7%
Maximum value of SAR (measured) = 0.0889 W/kg



0 dB = 0.0889 W/kg

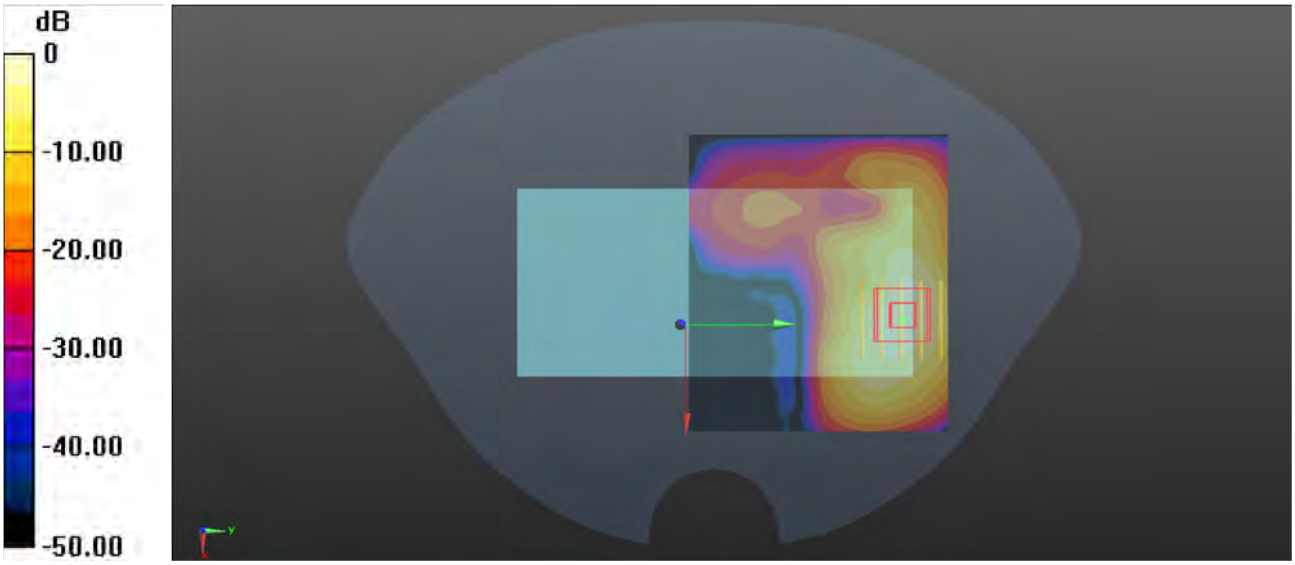
P89 WCDMA II_RMC12.2K_Rear Face_0cm_Ch9400_Ant3

Communication System: WCDMA; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium: HSL1900_0504 Medium parameters used: f = 1880 MHz; σ = 1.401 S/m; ε_r = 40.03; ρ = 1000 kg/m^3
Ambient Temperature：23.4℃; Liquid Temperature：22.4℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3708; ConvF(8.41, 8.41, 8.41) @ 1880 MHz; Calibrated: 2023/10/30
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn546; Calibrated: 2023/09/14
- Phantom: SAM Right ; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

-Area Scan (81x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 2.17 W/kg

-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 0 V/m; Power Drift = 0.09 dB
Peak SAR (extrapolated) = 3.05 W/kg
SAR(1 g) = 2.31 W/kg; SAR(10 g) = 0.966 W/kg
Smallest distance from peaks to all points 3 dB below = 10.1 mm
Ratio of SAR at M2 to SAR at M1 = 53.5%
Maximum value of SAR (measured) = 2.16 W/kg



0 dB = 2.16 W/kg

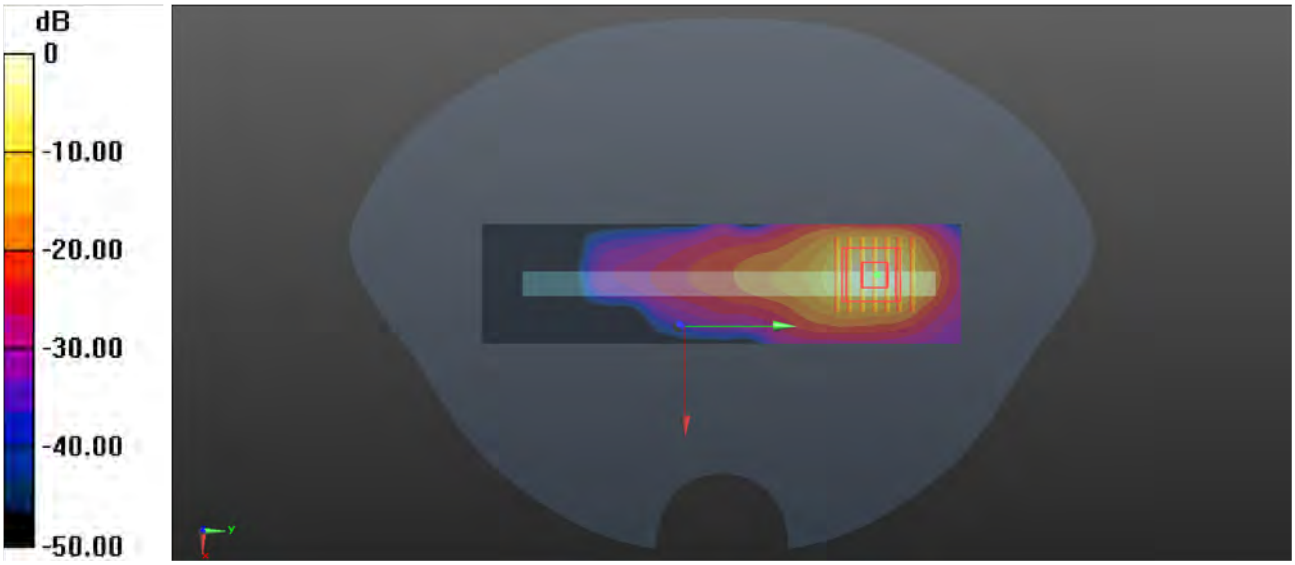
P90 LTE 7_QPSK20M_Left Side_0cm_Ch21350_50RB_OS0_Ant3

Communication System: LTE_FDD; Frequency: 2560 MHz;Duty Cycle: 1:1
Medium: HSL2600_0507 Medium parameters used: f = 2560 MHz; σ = 1.926 S/m; ε_r = 38.981; ρ = 1000 kg/m^3
Ambient Temperature：23.2℃; Liquid Temperature：22.4℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3708; ConvF(7.43, 7.43, 7.43) @ 2560 MHz; Calibrated: 2023/10/30
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn546; Calibrated: 2023/09/14
- Phantom: SAM Right ; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

-Area Scan (41x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 8.16 W/kg

-Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 6.194 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 16.8 W/kg
SAR(1 g) = 5.42 W/kg; SAR(10 g) = 1.86 W/kg
Smallest distance from peaks to all points 3 dB below = 6 mm
Ratio of SAR at M2 to SAR at M1 = 36.5%
Maximum value of SAR (measured) = 8.62 W/kg



0 dB = 8.62 W/kg