SAR EVALUATION REPORT

For

Shanghai Sunmi Technology Co.,Ltd.

Room 505, KIC Plaza, No.388 Song Hu Road, Yang Pu District, Shanghai, China

FCC ID:2AH25T5810

Report Type:	**Product Type:**
Original Report	Smart POS system

Report Producer : **Bard Liu**

Report Number : **RKSA200924004-20**

Report Date : **2020.12.15**

Reviewed By: **Oscar Ye**

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Attestation of Test Results				
EUT Information	EUT Description	Smart POS system		
	Model Name	T5810		
	Serial Number	354721086919621		
	Test Date	2020/9/26~2020/10/03 / 2020/11/25~2020/12/02		
MODE		Max. SAR Level(s) Reported(W/kg)		Limit(W/kg)
Head Mode	GSM 850	1g Head SAR	0.46	1.6
	PCS 1900	1g Head SAR	0.22	
	WCDMA Band 2	1g Head SAR	0.31	
	WCDMA Band 5	1g Head SAR	0.47	
	LTE FDD Band 2	1g Head SAR	0.25	
	LTE FDD Band 4	1g Head SAR	0.36	
	LTE FDD Band 5	1g Head SAR	0.45	
	LTE FDD Band 7	1g Head SAR	0.58	
	LTE FDD Band 12	1g Head SAR	0.16	
	LTE FDD Band 17	1g Head SAR	0.16	
	LTE FDD Band 25	1g Head SAR	0.25	
	LTE FDD Band 26	1g Head SAR	0.44	
	LTE FDD Band 66	1g Head SAR	0.36	
	LTE TDD Band 38	1g Head SAR	0.25	
	LTE TDD Band 41	1g Head SAR	0.25	
	2.4GHz WLAN	1g Head SAR	0.40	
	5.2GHz WLAN	1g Head SAR	1.02	
	5.8GHz WLAN	1g Head SAR	0.94	
	Bluetooth	1g Head SAR	0.13	
	Simultaneous	1g Head SAR	1.59	

MODE		Max. SAR Level(s) Reported(W/kg)		Limit(W/kg)
Body Supported Mode	GSM 850	1g Body SAR	0.47	1.6
	PCS 1900	1g Body SAR	0.62	
	WCDMA Band 2	1g Body SAR	0.49	
	WCDMA Band 5	1g Body SAR	0.31	
	LTE FDD Band 2	1g Body SAR	0.47	
	LTE FDD Band 4	1g Body SAR	0.78	
	LTE FDD Band 5	1g Body SAR	0.28	
	LTE FDD Band 7	1g Body SAR	0.47	
	LTE FDD Band 12	1g Body SAR	0.16	
	LTE FDD Band 17	1g Body SAR	0.16	
	LTE FDD Band 25	1g Body SAR	0.50	
	LTE FDD Band 26	1g Body SAR	0.24	
	LTE FDD Band 66	1g Body SAR	0.70	
	LTE TDD Band 38	1g Body SAR	0.21	
	LTE TDD Band 41	1g Body SAR	0.21	
	2.4GHz WLAN	1g Body SAR	0.40	
	5.2GHz WLAN	1g Body SAR	0.81	
	5.8GHz WLAN	1g Body SAR	0.81	
	Bluetooth	1g Body SAR	0.05	
	Simultaneous	1g Body SAR	1.59	

MODE		Max. SAR Level(s) Reported(W/kg)		Limit(W/kg)
Handheld Mode	GSM 850	10g Extremity SAR	1.05	4.0
	PCS 1900	10g Extremity SAR	1.29	
	WCDMA Band 2	10g Extremity SAR	1.39	
	WCDMA Band 5	10g Extremity SAR	0.71	
	LTE FDD Band 2	10g Extremity SAR	1.14	
	LTE FDD Band 4	10g Extremity SAR	1.51	
	LTE FDD Band 5	10g Extremity SAR	0.66	
	LTE FDD Band 7	10g Extremity SAR	1.93	
	LTE FDD Band 12	10g Extremity SAR	0.29	
	LTE FDD Band 17	10g Extremity SAR	0.29	
	LTE FDD Band 25	10g Extremity SAR	1.17	
	LTE FDD Band 26	10g Extremity SAR	0.58	
	LTE FDD Band 66	10g Extremity SAR	1.33	
	LTE TDD Band 38	10g Extremity SAR	0.80	
	LTE TDD Band 41	10g Extremity SAR	0.79	
	2.4GHz WLAN	10g Extremity SAR	1.07	
	5.2GHz WLAN	10g Extremity SAR	1.67	
	5.8GHz WLAN	10g Extremity SAR	0.72	
	Bluetooth	10g Extremity SAR	0.11	
	Simultaneous	10g Extremity SAR	3.17	

Applicable Standards	**FCC 47 CFR part 2.1093** Radiofrequency radiation exposure evaluation: portable devices
	RF Exposure Procedures: TCB Workshop April 2019
	IEEE1528:2013 IEEE Recommended Practice for Determining the Peak Spatial-Average Specific Absorption Rate (SAR) in the Human Head from Wireless Communications Devices: Measurement Techniques
	IEC 62209-1:2016 Measurement procedure for the assessment of specific absorption rate of human exposure to radio frequency fields from hand-held and body-mounted wireless communication devices – Part 1: Devices used next to the ear (Frequency range of 300 MHz to 6 GHz
	IEC 62209-2:2010 Human exposure to radio frequency fields from hand-held and body-mounted wireless communication devices-Human models, instrumentation, and procedures-Part 2: Procedure to determine the specific absorption rate (SAR) for wireless communication devices used in close proximity to the human body (frequency range of 30 MHz to 6 GHz)
	KDB procedures KDB 447498 D01 General RF Exposure Guidance v06 KDB 648474 D04 Handset SAR v01r03 KDB 865664 D01 SAR Measurement 100 MHz to 6 GHz v01r04 KDB 865664 D02 RF Exposure Reporting v01r02 KDB 941225 D01 3G SAR Procedures v03r01 KDB 941225 D05 SAR for LTE Devices v02r05 KDB 248227 D01 802 11 Wi-Fi SAR v02r02
Note: This wireless device has been shown to be capable of compliance for localized specific absorption rate (SAR) for General Population/Uncontrolled Exposure limits specified in **FCC 47 CFR part 2.1093** and has been tested in accordance with the measurement procedures specified in IEEE 1528-2013 and RF exposure KDB procedures. **The results and statements contained in this report pertain only to the device(s) evaluated.**	

Revision History

Revision	Report Number	Issue Date	Description	Author/ Revised by
1.0	RKSA200924004-20	2020.12.15	Original Report	Bard Liu

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EUT DESCRIPTION

This report has been prepared on behalf of **Shanghai Sunmi Technology Co.,Ltd.**and their product **Smart POS system**, Model: **T5810**or the EUT (Equipment under Test) as referred to in the rest of this report.

All measurement and test data in this report was gathered from production sample serial number:*354721086919621** *(Assigned by BACL, Kunshan).The EUT supplied by the applicant was received on* ***2020-09-24****.*

Technical Specification

Product Type	Smart POS system
Exposure Category:	Population / Uncontrolled
Antenna Type(s):	FPC Antenna for GSM and WCDMA and LTE PCBAntenna for WLAN
Body-Worn Accessories:	None
Face-Head Accessories:	None
Operation Mode :	GSM Voice, GPRS Data, EGPRS Data, WCDMA(R99 (Voice+Data), HSDPA/HSUPA) FDD-LTE/ TDD-LTE,WLAN,Bluetooth
Frequency Band:	GSM850 :824-849 MHz(TX) ; 869-894 MHz(RX) PCS 1900: 1850-1910 MHz(TX); 1930-1990 MHz(RX) WCDMA Band 2: 1850-1910MHz(TX); 1930-1990 MHz(RX) WCDMA Band 5: 824-849 MHz(TX) ; 869-894 MHz(RX) LTE Band 2: 1850-1910 MHz(TX), 1930-1990MHz(RX) LTE Band 4: 1710-1755 MHz(TX), 2110-2155MHz(RX) LTE Band 5: 824-849 MHz(TX) ; 869-894 MHz(RX) LTE Band 7: 2500-2570 MHz(TX) ; 2620-2690 MHz(RX) LTE Band 12: 699-716 MHz(TX), 729-746 MHz(RX) LTE Band 17: 704-716 MHz(TX), 734-746 MHz(RX) LTE Band 25: 1850-1915 MHz(TX), 1930-1995 MHz(RX) LTE Band 26: 814-849 MHz(TX), 859-894 MHz(RX) LTE Band 66: 1710-1780 MHz(TX), 2110-2200 MHz(RX) LTE Band 38: 2570-2620 MHz(TX), 2570-2620 MHz(RX) LTE Band 41: 2555-2655 MHz(TX), 2555-2655 MHz(RX) WLAN (2.4G): 2412 -2462 MHz WLAN (5.2G): 5180 -5240 MHz WLAN (5.8G): 5745 -5825 MHz Bluetooth/BLE: 2402 MHz-2480 MHz

Conducted RF Power:	GSM 850 : 33.58dBm PCS 1900: 30.46dBm WCDMA Band 2: 22.51dBm WCDMA Band 5: 22.39dBm LTE FDD Band 2: 22.83dBm LTE FDD Band 4: 22.77dBm LTE FDD Band 5: 22.68dBm LTE FDD Band 7: 22.60dBm LTE FDD Band 12: 22.65dBm LTE FDD Band 17: 22.49dBm LTE FDD Band 25: 22.39 dBm LTE FDD Band 26: 22.23 dBm LTE FDD Band 66: 22.68 dBm LTE TDD Band 38: 22.22dBm LTE TDD Band 41: 22.53dBm WLAN (2.4G): 19.18dBm WLAN (5.2G): 14.32dBm WLAN (5.8G): 12.04dBm Bluetooth(BDR/EDR); 10.49dBm BLE (1Mbps):3.51dBm BLE (2Mbps):3.43dBm
Dimensions (L*W*H):	14.7 cm (H) x 7.5 cm (W) x 1.5 cm (D)
Power Source:	DC 3.8V from battery and DC 5V from external power supply
Normal Operation:	Head and Body-worn and Handheld Mode

REFERENCE, STANDARDS, AND GUIDELINES

FCC:

The Report and Order requires routine SAR evaluation prior to equipment authorization of portable transmitter devices, including portable telephones. For consumer products, the applicable limit is 1.6 mW/g as recommended by the ANSI/IEEE standard C95.1-1992 [6] for an uncontrolled environment (Paragraph 65). According to the Supplement C of OET Bulletin 65 “Evaluating Compliance with FCC Guide-lines for Human Exposure to Radio frequency Electromagnetic Fields", released on Jun 29, 2001 by the FCC, the device should be evaluated at maximum output power (radiated from the antenna) under “worst-case” conditions for normal or intended use, incorporating normal antenna operating positions, device peak performance frequencies and positions for maximum RF energy coupling.

This report describes the methodology and results of experiments performed on wireless data terminal. The objective was to determine if there is RF radiation and if radiation is found, what is the extent of radiation with respect to safety limits. SAR (Specific Absorption Rate) is the measure of RF exposure determined by the amount of RF energy absorbed by human body (or its parts) – to determine how the RF energy couples to the body or head which is a primary health concern for body worn devices. The limit below which the exposure to RF is considered safe by regulatory bodies in North America is 1.6 mW/g average over 1 gram of tissue mass.

CE:

The order requires routine SAR evaluation prior to equipment authorization of portable transmitter devices, including portable telephones. For consumer products, the applicable limit is 2 mW/g as recommended by EN62209-1 for an uncontrolled environment. According to the Standard, the device should be evaluated at maximum output power (radiated from the antenna) under “worst-case” conditions for normal or intended use, incorporating normal antenna operating positions, device peak performance frequencies and positions for maximum RF energy coupling.

This report describes the methodology and results of experiments performed on wireless data terminal. The objective was to determine if there is RF radiation and if radiation is found, what is the extent of radiation with respect to safety limits. SAR (Specific Absorption Rate) is the measure of RF exposure determined by the amount of RF energy absorbed by human body (or its parts) – to determine how the RF energy couples to the body or head which is a primary health concern for body worn devices. The limit below which the exposure to RF is considered safe by regulatory bodies in Europe is 2 mW/g average over 10 gram of tissue mass.

The test configurations were laid out on a specially designed test fixture to ensure the reproducibility of measurements. Each configuration was scanned for SAR. Analysis of each scan was carried out to characterize the above effects in the device.

SAR Limits

FCC Limit

EXPOSURE LIMITS	SAR (W/kg)	
	(General Population / Uncontrolled Exposure Environment)	(Occupational / Controlled Exposure Environment)
Spatial Average (averaged over the whole body)	0.08	0.4
Spatial Peak (averaged over any 1 g of tissue)	1.60	8.0
Spatial Peak (hands/wrists/feet/ankles averaged over 10 g)	4.0	20.0

CE Limit

EXPOSURE LIMITS	SAR (W/kg)	
	(General Population / Uncontrolled Exposure Environment)	(Occupational / Controlled Exposure Environment)
Spatial Average (averaged over the whole body)	0.08	0.4
Spatial Peak (averaged over any 10 g of tissue)	2.0	10
Spatial Peak (hands/wrists/feet/ankles averaged over 10 g)	4.0	20.0

Population/Uncontrolled Environments are defined as locations where there is the exposure ofindividual who have no knowledge or control of their exposure.

Occupational/Controlled Environments are defined as locations where there is exposure that maybe incurred by people who are aware of the potential for exposure (i.e. as a result of employmentor occupation).

General Population/Uncontrolled environments Spatial Peak limit 1.6 W/kg (FCC/ISEDC) applied to theEUT for body-worn and 4.0 W/kg (FCC/ISEDC) applied to the handheld configurations.

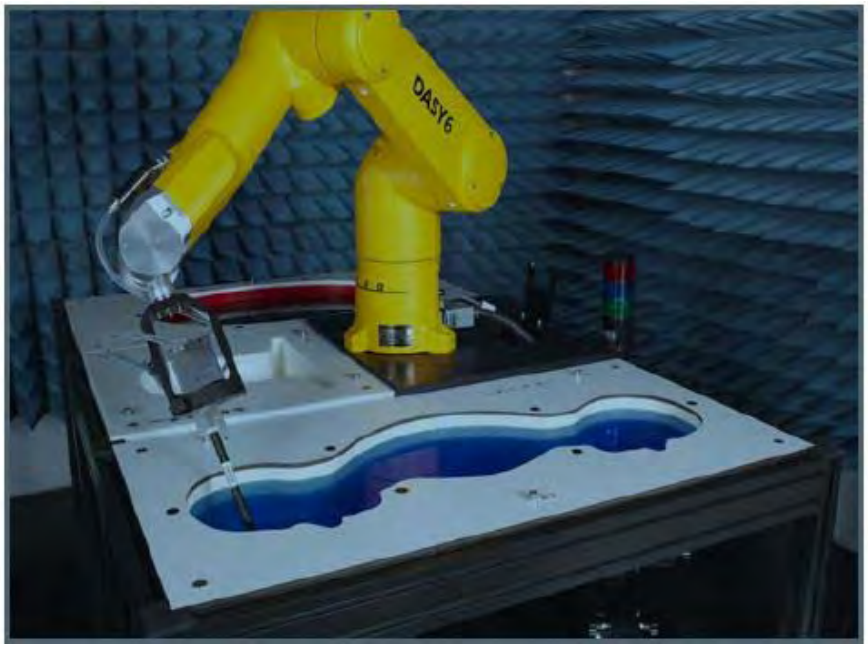
FACILITIES

The test site used by Bay Area Compliance Laboratories Corp. (Kunshan) to collect test data is located on theNo.248 Chenghu Road, Kunshan, Jiangsu province, China.

Bay Area Compliance Laboratories Corp. (Kunshan) Lab is accredited to ISO/IEC 17025 by A2LA (Lab code:4323.01) and the FCC designation No. CN1185 under the FCC KDB 974614 D01 and CAB identifierCN0004 under the ISED requirement. The facility also complies with the radiated and AC line conducted testsite criteria set forth in ANSI C63.4-2014.

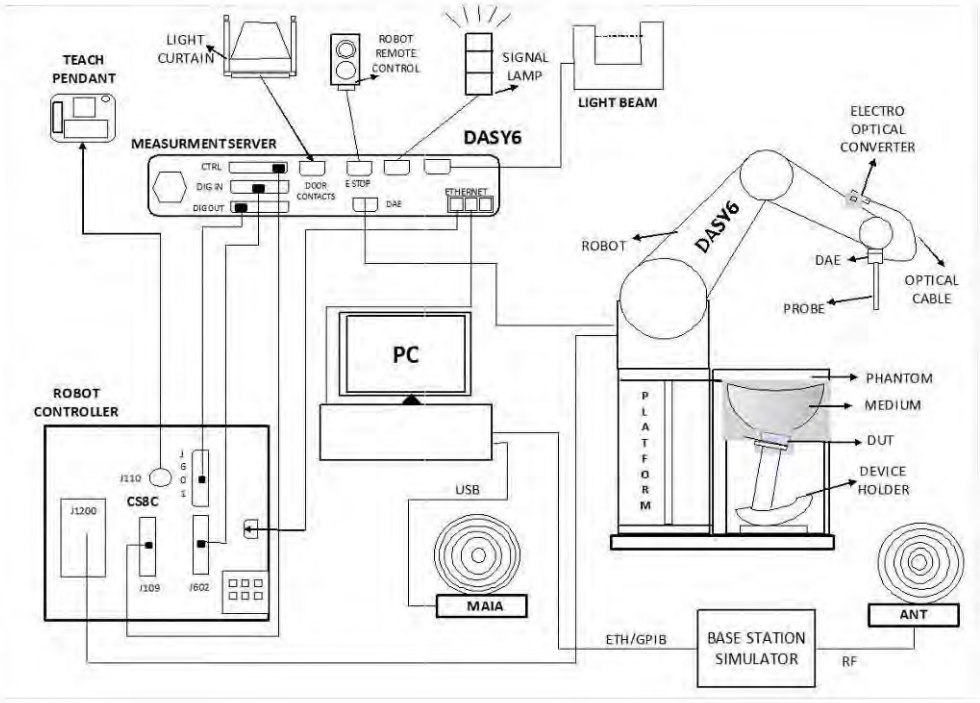
DESCRIPTION OF TEST SYSTEM

These measurements were performed with the automated near-field scanning system DASY6 from Schmid& Partner Engineering AG (SPEAG) which is the Fifth generation of the system shown in the figure hereinafter:



DASY6 System Description

The DASY6 system for performing compliance tests consists of the following items:



- A standard high precision 6-axis robot (Staubli TX=RX family) with controller, teach pendant and software. An arm extension for accommodating the data acquisition electronics (DAE).
- An isotropic field probe optimized and calibrated for the targeted measurement.
- A data acquisition electronics (DAE) which performs the signal application, signal multiplexing, AD-conversion, offset measurements, mechanical surface detection, collision detection, etc. The unit is battery powered with standard or rechargeable batteries. The signal is optically transmitted to the EOC.
- The Electro-optical converter (EOC) performs the conversion from optical to electrical signals for the digital communication to the DAE. To use optical surface detection, a special version of the EOC is required. The EOC signal is transmitted to the measurement server.
- The function of the measurement server is to perform the time critical tasks such as signal filtering, control of the robot operation and fast movement interrupts.
- The Light Beam used is for probe alignment. This improves the (absolute) accuracy of the probe positioning.
- A computer running Win7 professional operating system and the DASY52 software.
- Remote control and teach pendant as well as additional circuitry for robot safety such as warning lamps, etc.
- The phantom, the device holder and other accessories according to the targeted measurement.

DASY6 Measurement Server

The DASY6 measurement server is based on a PC/104 CPU board with a 400 MHz Intel ULV Celeron, 128 MB chip-disk and 128 MB RAM. The necessary circuits for communication with the DAE4 (or DAE3) electronics box, as well as the 16-bit AD converter system for optical detection and digital I/O interface are contained on the DASY6 I/O board, which is directly connected to the PC/104 bus of the CPU board.

The measurement server performs all real-time data evaluations of field measurements and surface detection, controls robot movements, and handles safety operations. The PC operating system cannot interfere with these time-critical processes. All connections are supervised by a watchdog, and disconnection of any of the cables to the measurement server will automatically disarm the robot and disable all program- controlled robot movements. Furthermore, the measurement server is equipped with an expansion port, which is reserved for future applications. Please note that this expansion port does not have a standardized pinout, and therefore only devices provided by SPEAG can be connected. Connection of devices from any other supplier could seriously damage the measurement server.

Data Acquisition Electronics

The data acquisition electronics (DAE4) consist of a highly sensitive electrometer-grade preamplifier with auto-zeroing, a channel and gain-switching multiplexer, a fast 16 bit AD-converter and a command decoder with a control logic unit. Transmission to the measurement server is accomplished through an optical downlink for data and status information, as well as an optical uplink for commands and the clock.

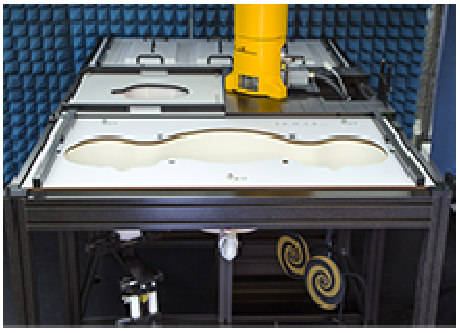
The mechanical probe mounting device includes two different sensor systems for frontal and sideways probe contacts. They are used for mechanical surface detection and probe collision detection.

The input impedance of both the DAE4 as well as of the DAE3 box is 200MOhm; the inputs are symmetrical and floating. Common mode rejection is above 80 dB.

EX3DV4 E-Field Probes

Frequency	10 MHz to > 6 GHz Linearity: ± 0.2 dB (30 MHz to 6 GHz)
Directivity	± 0.3 dB in TSL (rotation around probe axis) ± 0.5 dB in TSL (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
Application	High precision dosimetric measurements in any exposure scenario (e.g., very strong gradient fields); the only probe that enables compliance testing for frequencies up to 6 GHz with precision of better 30%.
Compatibility	DASY3, DASY4, DASY52 SAR and higher, EASY4/MRI

SAM Twin Phantom



The SAM Twin Phantom (shown in front of DASY6) is a fiberglass shell phantom with shell thickness 2 mm, except in the ear region where the thickness is increased to 6 mm. The phantom has three measurement areas: 1) Left Head, 2) Right Head, and 3) Flat Section. For larger devices, the use of the ELI-Phantom (shown behind DASY6) is required. For devices such as glasses with a wireless link, the Face Down Phantom is the most suitable (between the SAM Twin and ELI phantoms).

When the phantom is mounted inside allocated slot of the DASY6 platform, phantom reference points can be taught directly in the DASY5 V5.2 software. When the DASY6 platform is used to mount the

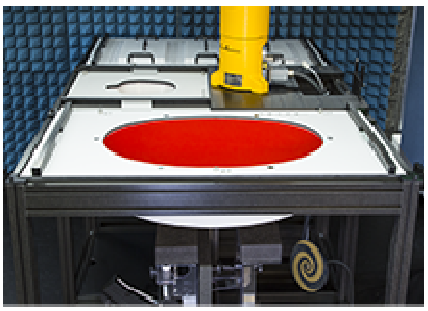
Phantom, some of the phantom teaching points cannot be reached by the robot in DASY5 V5.2. A special tool called P1a-P2aX-Former is provided to transform two of the three points, P1 and P2, to reachable locations. To use these new teaching points, a revised phantom configuration file is required. In addition to our standard broadband liquids, the phantom can be used with the following tissue simulating liquids:

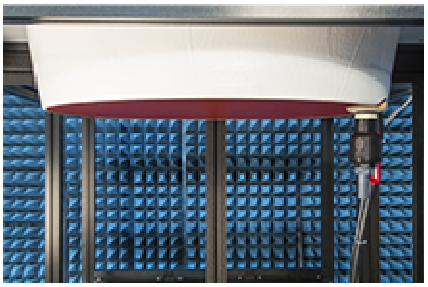
Sugar-water-based liquids can be left permanently in the phantom. Always cover the liquid when the system is not in use to prevent changes in liquid parameters due to water evaporation. DGBE-based liquids should be used with care. As DGBE is a softener for most plastics, the liquid should be taken out of the phantom, and the phantom should be dried when the system is not in use (desirable at least once a week).

Do not use other organic solvents without previously testing the solvent resistivity of the phantom.

Approximately 25 liters of liquid is required to fill the SAM Twin phantom.

ELI Phantom





The ELI phantom is intended for compliance testing of handheld and body-mounted wireless devices in the frequency range of 30MHz to 6 GHz. ELI is fully compatible with the latest draft of the standard IEC 62209-2 and the use of all known tissue simulating liquids. ELI has been optimized for performance and can be integrated into a SPEAG standard phantom table. A cover is provided to prevent evaporation of water and changes in liquid parameters. 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 can be used with the following tissue simulating liquids:

- Sugar-water-based liquids can be left permanently in the phantom. Always cover the liquid when the system is not in use to prevent changes in liquid parameters due to water evaporation.
- DGBE-based liquids should be used with care. As DGBE is a softener for most plastics, the liquid should be taken out of the phantom, and the phantom should be dried when the system is not in use (desirable at least once a week).
- Do not use other organic solvents without previously testing the solvent resistivity of the phantom.

Approximately 25 liters of liquid is required to _fill the ELI phantom

Robots

The DASY6 system uses the high-precision industrial robots TX60L, TX90XL, and RX160L from St aubli
SA (France). The TX robot family - the successor of the well-known RX robot family - continues to
offer the features important for DASY6 applications:

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

The robots are controlled by the Staubli CS8c robot controllers. All information regarding the use and
maintenance of the robot arm and the robot controller is provided

Area Scans

Area scans are defined prior to the measurementprocess being executed with a user definedvariable spacing between each measurementpoint (integral) allowing low uncertaintymeasurements to be conducted. Scans defined for FCC applications utilize a 15mm2 step integral, with 1.5mm interpolation used to locate the peak SAR area used for zoom scan assessments.

Where the system identifies multiple SAR peaks (which are within 25% of peak value) the system will provide the user with the option of assessing each peak location individually for zoom scan averaging.

Zoom Scan (Cube Scan Averaging)

The averaging zoom scan volume utilized in the DASY6 software is in the shape of a cube and the side dimension of a 1 g or 10 g mass is dependent on the density of the liquid representing the simulated tissue. A density of 1000 kg/m^3 is used to represent the head and body tissue density and not the phantomliquid density, in order to be consistent with the definition of the liquid dielectric properties, i.e. the side length of the 1g cube is 10mm, with the side length of the 10g cube is 21.5mm.

When the cube intersects with the surface of the phantom, it is oriented so that 3 vertices touch the surface of the shell or the center of a face is tangent to the surface. The face of the cube closest to the surface is modified in order to conform to the tangent surface.

The zoom scan integer steps can be user defined so as to reduce uncertainty, but normal practice for typical test applications (including FCC) utilize a physical step of 7 x7 x 7 (5mmx5mmx5mm) providing a volume of 30 mm in the X & Y & Z axis.

Recommended Tissue Dielectric Parameters for Head and Body

Tissue Dielectric Parameters for Head and Body Phantoms

The head tissue dielectric parameters recommended by the EN 62209-1:2016

Recommended Tissue Dielectric Parameters for Head liquid

Table A.3 – Dielectric properties of the head tissue-equivalent liquid

Frequency MHz	Relative permittivity ε_r	Conductivity (σ) S/m
300	45,3	0,87
450	43,5	0,87
750	*41,9*	*0,89*
835	41,5	0,90
900	41,5	0,97
1 450	40,5	1,20
1 500	*40,4*	*1,23*
1 640	*40,2*	*1,31*
1 750	*40,1*	*1,37*
1 800	40,0	1,40
1 900	40,0	1,40
2 000	40,0	1,40
2 100	*39,8*	*1,49*
2 300	*39,5*	*1,67*
2 450	39,2	1,80
2 600	*39,0*	*1,96*
3 000	38,5	2,40
3 500	*37,9*	*2,91*
4 000	*37,4*	*3,43*
4 500	*36,8*	*3,94*
5 000	*36,2*	*4,45*
5 200	*36,0*	*4,66*
5 400	*35,8*	*4,86*
5 600	*35,5*	*5,07*
5 800	*35,3*	*5,27*
6 000	*35,1*	*5,48*

NOTE For convenience, permittivity and conductivity values at those frequencies which are not part of the original data provided by Drossos et al. [33] or the extension to 5 800 MHz are provided (i.e. the values shown *in italics*). These values were linearly interpolated between the values in this table that are immediately above and below those values, except the values at 6 000 MHz that were linearly extrapolated from the values at 3 000 MHz and 5 800 MHz.

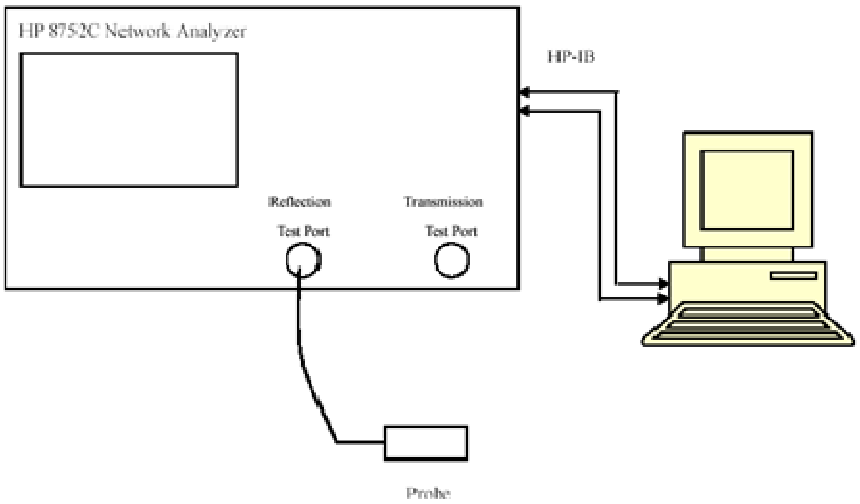
EQUIPMENT LIST AND CALIBRATION

Equipment's List & Calibration Information

Equipment	Model	S/N	Calibration Date	Calibration Due Date
Robot	TX90	5N26A1	N.C.R	N.C.R
DASY5 Test Software	DASY5.2	N/A	N.C.R	N.C.R
DASY6 Measurement Server	DASY 6.0	1588	N/A	N/A
Data Acquisition Electronics	DAE4	527	2020/7/9	2021/7/8
E-Field Probe	EX3DV4	7557	2019/10/4	2020/10/3
E-Field Probe	EX3DV4	7557	2020/11/5	2021/11/4
Dipole, 750 MHz	D750V3	1079	2018/10/26	2021/10/25
Dipole, 900 MHz	D900V2	1d184	2018/5/30	2021/5/29
Dipole, 1800 MHz	D1800V2	2d207	2018/5/28	2021/5/27
Dipole,1900MHz	D1900V2	5d207	2018/5/28	2021/5/27
Dipole,2450MHz	D2450V2	969	2018/5/30	2021/5/29
Dipole,2600MHz	D2600V2	1162	2019/10/2	2022/10/1
Dipole,5GHz	D5GHzV2	1225	2018/5/25	2021/5/24
Twin-SAM	Twin-SAM V8.0	1368	N/A	N/A
Simulated Tissue 835 MHz Head	TS-835-H	/	Each Time	/
Simulated Tissue1750 MHz Head	TS-1750-H	/	Each Time	/
Simulated Tissue 1900 MHz Head	TS-1900-H	/	Each Time	/
Simulated Tissue 2450 MHz Head	TS-2450-H	/	Each Time	/
Simulated Tissue 2600 MHz Head	TS-2600-H	/	Each Time	/
Simulated Tissue 5 GHz Head	TS-5G-H	/	Each Time	/
Wideband Radio Communication	CMW500	149170	2020/5/15	2021/5/15
Mounting Device	N/A	SD 000 H01 KA	N/A	N/A
Network Analyzer	8753D	3140A05361	2020/3/20	2021/3/20
Dielectric probe kit	85070B	50207	/	/
Spectrum Analyzer	FSV40	101435	2020/1/7	2021/1/5
Signal Generator	SMB100A	110700	2020/1/9	2021/1/7
Power Meter	E4418B	GB43312279	2020/1/3	2021/1/2
Power Sensor	E9301A	MY41497400	2020/1/3	2021/1/2
Power Amplifier	ZVE-8G+	365701647	2020/1/8	2021/1/6
Power Amplifier	ZHL-42W+	329401642	2020/1/8	2021/1/6
Directional Coupler	488Z	810	N.C.R	N.C.R
Attenuator	20dB, 100W	1453	N.C.R	N.C.R

SAR MEASUREMENT SYSTEM VERIFICATION

Liquid Verification



Liquid Verification Setup Block Diagram

Liquid Verification Results

Frequency (MHz)	Liquid Type	Liquid Parameter		Target Value		Delta (%)		Tolerance (%)
		Ơ (S/m)	ε_r	Ơ (S/m)	ε_r	Ơ (S/m)	ε_r	
750	Head	0.900	42.866	0.89	41.90	1.12	2.31	±5
707.5	Head	0.884	42.975	0.89	42.13	-0.67	2.08	±5
710	Head	0.886	42.972	0.89	42.11	-0.45	2.07	±5

**Liquid Verification above was performed on 2020-09-29.*

Frequency (MHz)	Liquid Type	Liquid Parameter		Target Value		Delta (%)		Tolerance (%)
		Ơ (S/m)	ε_r	Ơ (S/m)	ε_r	Ơ (S/m)	ε_r	
750	Head	0.885	43.013	0.89	41.90	-0.56	0.885	±5
707.5	Head	0.871	43.138	0.89	42.13	-2.13	2.47	±5
710	Head	0.872	43.142	0.89	42.11	-2.02	2.48	±5

**Liquid Verification above was performed on 2020-11-28.*

Frequency (MHz)	Liquid Type	Liquid Parameter		Target Value		Delta (%)		Tolerance (%)
		σ (S/m)	ε_r	σ (S/m)	ε_r	σ (S/m)	ε_r	
900	Head	0.958	39.707	0.97	41.50	-1.24	-4.32	±5
831.5	Head	0.894	40.584	0.90	41.52	-0.67	-2.21	±5
836.4	Head	0.899	40.516	0.90	41.50	-0.11	-2.37	±5
836.5	Head	0.899	40.515	0.90	41.50	-0.11	-2.37	±5
836.6	Head	0.899	40.507	0.90	41.50	-0.11	-2.39	±5

**Liquid Verification above was performed on 2020-09-27.*

Frequency (MHz)	LiquidType	Liquid Parameter		Target Value		Delta (%)		Tolerance (%)
		σ (S/m)	ε_r	σ (S/m)	ε_r	σ (S/m)	ε_r	
900	Head	0.937	43.310	0.97	41.50	-3.40	4.36	±5
831.5	Head	0.913	43.459	0.90	41.52	1.44	4.72	±5
836.4	Head	0.915	43.436	0.90	41.50	1.67	4.67	±5
836.5	Head	0.915	43.434	0.90	41.50	1.67	4.66	±5
836.6	Head	0.915	43.424	0.90	41.50	1.67	4.64	±5

**Liquid Verification above was performed on 2020-11-26.*

Frequency (MHz)	Liquid Type	Liquid Parameter		Target Value		Delta (%)		Tolerance (%)
		σ (S/m)	ε_r	σ (S/m)	ε_r	σ (S/m)	ε_r	
1800	Head	1.398	39.884	1.40	40.00	-0.14	-0.29	±5
1732.5	Head	1.352	40.007	1.36	40.13	-0.59	-0.23	±5
1745	Head	1.359	39.959	1.37	40.11	-0.80	-0.35	±5

**Liquid Verification above was performed on 2020-09-30.*

Frequency (MHz)	Liquid Type	Liquid Parameter		Target Value		Delta (%)		Tolerance (%)
		σ (S/m)	ε_r	σ (S/m)	ε_r	σ (S/m)	ε_r	
1800	Head	1.371	40.777	1.40	40.00	-2.07	1.94	±5
1732.5	Head	1.329	40.786	1.36	40.13	-2.28	1.71	±5
1745	Head	1.336	40.787	1.37	40.11	-2.48	1.71	±5

**Liquid Verification above was performed on 2020-11-29.*

Frequency (MHz)	Liquid Type	Liquid Parameter		Target Value		Delta (%)		Tolerance (%)
		Ơ (S/m)	ε_r	Ơ (S/m)	ε_r	Ơ (S/m)	ε_r	
1900	Head	1.401	38.811	1.40	40.00	0.07	-2.97	±5
1880	Head	1.389	38.842	1.40	40.00	-0.79	-2.90	±5

**Liquid Verification above was performed on 2020-09-26.*

Frequency (MHz)	Liquid Type	Liquid Parameter		Target Value		Delta (%)		Tolerance (%)
		Ơ (S/m)	ε_r	Ơ (S/m)	ε_r	Ơ (S/m)	ε_r	
1900	Head	1.376	38.180	1.40	40.00	-1.71	-4.55	±5
1880	Head	1.365	38.183	1.40	40.00	-2.50	-4.54	±5

**Liquid Verification above was performed on 2020-11-25.*

Frequency (MHz)	Liquid Type	Liquid Parameter		Target Value		Delta (%)		Tolerance (%)
		Ơ (S/m)	ε_r	Ơ (S/m)	ε_r	Ơ (S/m)	ε_r	
2450	Head	1.771	39.710	1.80	39.20	-1.61	1.30	±5
2402	Head	1.717	39.886	1.76	39.29	-2.44	1.49	±5
2437	Head	1.757	39.754	1.79	39.22	-1.84	1.41	±5

**Liquid Verification above was performed on 2020-10-01.*

Frequency (MHz)	Liquid Type	Liquid Parameter		Target Value		Delta (%)		Tolerance (%)
		Ơ (S/m)	ε_r	Ơ (S/m)	ε_r	Ơ (S/m)	ε_r	
2450	Head	1.818	40.810	1.80	39.20	1.00	4.11	±5
2402	Head	1.780	40.869	1.76	39.29	1.14	3.99	±5
2437	Head	1.806	40.813	1.79	39.22	0.89	4.11	±5

**Liquid Verification above was performed on 2020-11-30.*

Frequency (MHz)	Liquid Type	Liquid Parameter		Target Value		Delta (%)		Tolerance (%)
		σ (S/m)	ε_r	σ (S/m)	ε_r	σ (S/m)	ε_r	
2600	Head	1.949	39.201	1.96	39.00	-0.56	0.52	±5
2535	Head	1.87	39.416	1.89	39.09	-1.06	0.81	±5
2595	Head	1.943	39.213	1.95	39.01	-0.36	0.55	±5
2605	Head	1.955	39.184	1.97	38.99	-0.76	0.47	±5

**Liquid Verification above was performed on 2020-09-28.*

Frequency (MHz)	Liquid Type	Liquid Parameter		Target Value		Delta (%)		Tolerance (%)
		σ (S/m)	ε_r	σ (S/m)	ε_r	σ (S/m)	ε_r	
2600	Head	1.937	40.571	1.96	39.00	-1.17	4.03	±5
2535	Head	1.885	40.684	1.89	39.09	-0.26	4.05	±5
2595	Head	1.934	40.579	1.95	39.01	-0.82	4.05	±5
2605	Head	1.941	40.563	1.97	38.99	-1.47	4.01	±5

**Liquid Verification above was performed on 2020-11-27.*

Frequency (MHz)	Liquid Type	Liquid Parameter		Target Value		Delta (%)		Tolerance (%)
		σ (S/m)	ε_r	σ (S/m)	ε_r	σ (S/m)	ε_r	
5200	Head	4.616	37.309	4.66	36.00	-0.94	3.64	±5
5180	Head	4.597	37.344	4.64	36.02	-0.93	3.73	±5
5240	Head	4..666	37.268	4.70	35.96	-0.72	3.52	±5

**Liquid Verification above was performed on 2020-10-02.*

Frequency (MHz)	Liquid Type	Liquid Parameter		Target Value		Delta (%)		Tolerance (%)
		σ (S/m)	ε_r	σ (S/m)	ε_r	σ (S/m)	ε_r	
5200	Head	4.732	36.423	4.66	36.00	1.55	1.18	±5
5180	Head	4.711	36.464	4.64	36.02	1.53	1.29	±5
5240	Head	4.788	36.335	4.70	35.96	1.87	0.93	±5

**Liquid Verification above was performed on 2020-12-01*

Frequency (MHz)	Liquid Type	Liquid Parameter		Target Value		Delta (%)		Tolerance (%)
		σ (S/m)	ε_r	σ (S/m)	ε_r	σ (S/m)	ε_r	
5800	Head	5.24	36.496	5.27	35.30	-0.57	3.39	±5
5745	Head	5.18	36.529	5.22	35.36	-0.77	3.19	±5
5785	Head	5.227	36.518	5.26	35.32	-0.63	3.45	±5
5825	Head	5.259	36.46	5.30	35.28	-0.77	3.29	±5

**Liquid Verification above was performed on 2020-10-03.*

Frequency (MHz)	Liquid Type	Liquid Parameter		Target Value		Delta (%)		Tolerance (%)
		σ (S/m)	ε_r	σ (S/m)	ε_r	σ (S/m)	ε_r	
5800	Head	5.492	35.174	5.27	35.30	4.21	-0.36	±5
5745	Head	5.424	35.265	5.22	35.36	3.91	-0.38	±5
5785	Head	5.477	35.206	5.26	35.32	4.13	-0.27	±5
5825	Head	5.343	34.116	5.30	35.28	0.81	-3.35	±5

**Liquid Verification above was performed on 2020-12-02*

System Accuracy Verification

Prior to the assessment, the system validation kit was used to test whether the system was operating within its specifications of ±10%. The validation results are tabulated below. And also the corresponding SAR plot is attached as well in the SAR plots files.

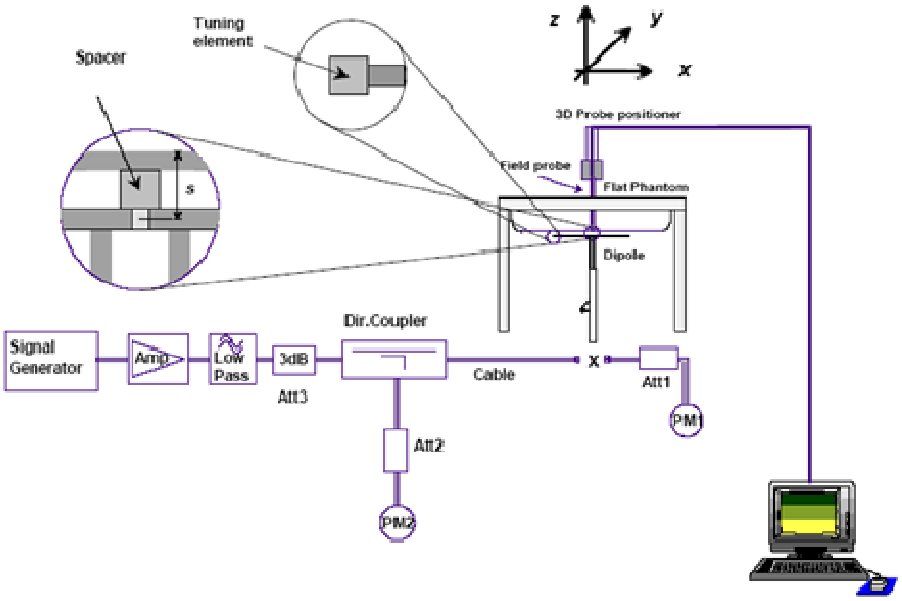
The spacing distances in the **System Verification Setup Block Diagram** is given by the following:

a) s = 15 mm ± 0,2 mm for 300 MHz ≤ f ≤ 1 000 MHz;

b) s = 10 mm ± 0,2 mm for 1 000 MHz < f ≤ 3 000 MHz;

c) s = 10 mm ± 0,2 mm for 3 000 MHz < f ≤ 6 000 MHz.

System Verification Setup Block Diagram



System Accuracy Check Results

Date	Frequency Band	Liquid Type	Input Power (mW)	Measured SAR(W/kg)		Normalized to 1g&10g SAR (W/kg)	Target Value (W/kg)	Delta (%)	Tolerance (%)
2020/09/29	750	Head	250	1g	2.00	8.00	8.46	-5.44	±10
				10g	1.33	5.32	5.55	-4.14	±10
2020/11/28	750	Head	250	1g	1.97	7.88	8.46	-6.86	±10
				10g	1.31	5.24	5.55	-5.59	±10
2020/09/27	900	Head	250	1g	2.59	10.36	10.60	-2.26	±10
				10g	1.66	6.64	6.78	-2.06	±10
2020/11/26	900	Head	250	1g	2.53	10.36	10.60	-4.53	±10
				10g	1.62	6.64	6.78	-4.42	±10
2020/09/30	1800	Head	250	1g	9.87	39.48	39.50	-0.05	±10
				10g	5.14	20.56	20.60	-0.19	±10
2020/11/29	1800	Head	250	1g	9.68	39.48	39.50	-1.97	±10
				10g	5.04	20.56	20.60	-2.14	±10
2020/09/26	1900	Head	250	1g	10.60	42.40	40.40	4.95	±10
				10g	5.38	21.52	21.30	1.03	±10
2020/11/25	1900	Head	250	1g	10.40	42.40	40.40	2.97	±10
				10g	5.29	21.52	21.30	-0.66	±10
2020/10/01	2450	Head	250	1g	12.60	50.40	52.60	-4.18	±10
				10g	5.73	22.92	24.70	-7.21	±10
2020/11/30	2450	Head	250	1g	12.90	50.40	52.60	-1.90	±10
				10g	5.88	22.92	24.70	-4.78	±10
2020/09/28	2600	Head	250	1g	14.10	56.40	55.40	1.81	±10
				10g	6.43	25.72	24.90	3.29	±10
2020/11/27	2600	Head	250	1g	14.00	56.40	55.40	1.08	±10
				10g	6.39	25.72	24.90	2.65	±10
2020/10/02	5200	Head	100	1g	7.84	78.40	77.10	1.69	±10
				10g	2.17	21.70	22.20	-2.25	±10
2020/12/01	5200	Head	100	1g	8.04	78.40	77.10	4.28	±10
				10g	2.22	21.70	22.20	0.00	±10
2020/10/03	5800	Head	100	1g	7.89	78.90	80.50	-1.99	±10
				10g	2.17	21.70	23.00	-5.65	±10
2020/12/02	5800	Head	100	1g	8.27	78.90	80.50	2.73	±10
				10g	2.27	21.70	23.00	-1.30	±10

Note: The power inputted to dipole is 0.25Watt and 0.1Watt; the SAR values are normalized to 1 Watt forward power by multiplying 4 times.

SAR SYSTEM VALIDATION DATA

System Performance 750 MHz Head_2020/09/29

DUT: Dipole 750 MHz; Type: D750V3; Serial: 1079

Communication System: UID 0, CW ; Frequency: 750 MHz; Duty Cycle: 1:1

Medium parameters used: f = 750 MHz; σ = 0.9 S/m; εr = 42.866; ρ = 1000 kg/m^3

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7557; ConvF(10.41, 10.41, 10.41) @ 750 MHz; Calibrated: 10/4/2019
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn527; Calibrated: 7/9/2020
- Phantom: Twin-SAM V8.0 (20deg probe tilt)-Right; Type: QD 000 P40 CB; Serial: 1368
- Measurement SW: DASY52, Version 52.10 (2);

Head 750MHz Pin=250mW/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 2.66 W/kg

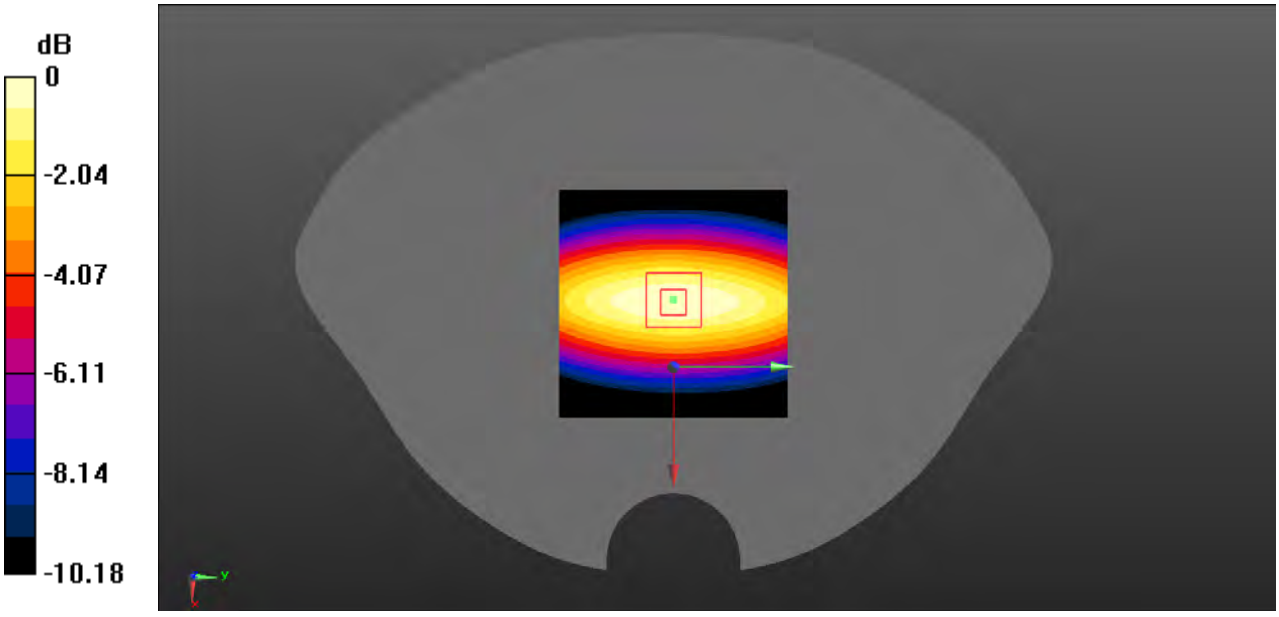
Head 750MHzPin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 56.86 V/m; Power Drift = -0.00 dB

Peak SAR (extrapolated) = 3.07 W/kg

SAR(1 g) = 2 W/kg; SAR(10 g) = 1.33 W/kg

Maximum value of SAR (measured) = 2.67 W/kg



0 dB = 2.67 W/kg = 4.27 dBW/kg

System Performance 750 MHz Head_2020/11/28

DUT: Dipole 750 MHz; Type: D750V3; Serial: 1079

Communication System: UID 0, CW ; Frequency: 750 MHz; Duty Cycle: 1:1

Medium parameters used: f = 750 MHz; σ = 0.885 S/m; εr = 43.013; ρ = 1000 kg/m^3

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7557; ConvF(10.39, 10.39, 10.39) @ 750 MHz; Calibrated: 11/5/2020
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn527; Calibrated: 7/9/2020
- Phantom: Twin-SAM V8.0 (20deg probe tilt)-Right; Type: QD 000 P40 CB; Serial: 1368
- Measurement SW: DASY52, Version 52.10 (2);

Head 750MHz Pin=250mW/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 2.62 W/kg

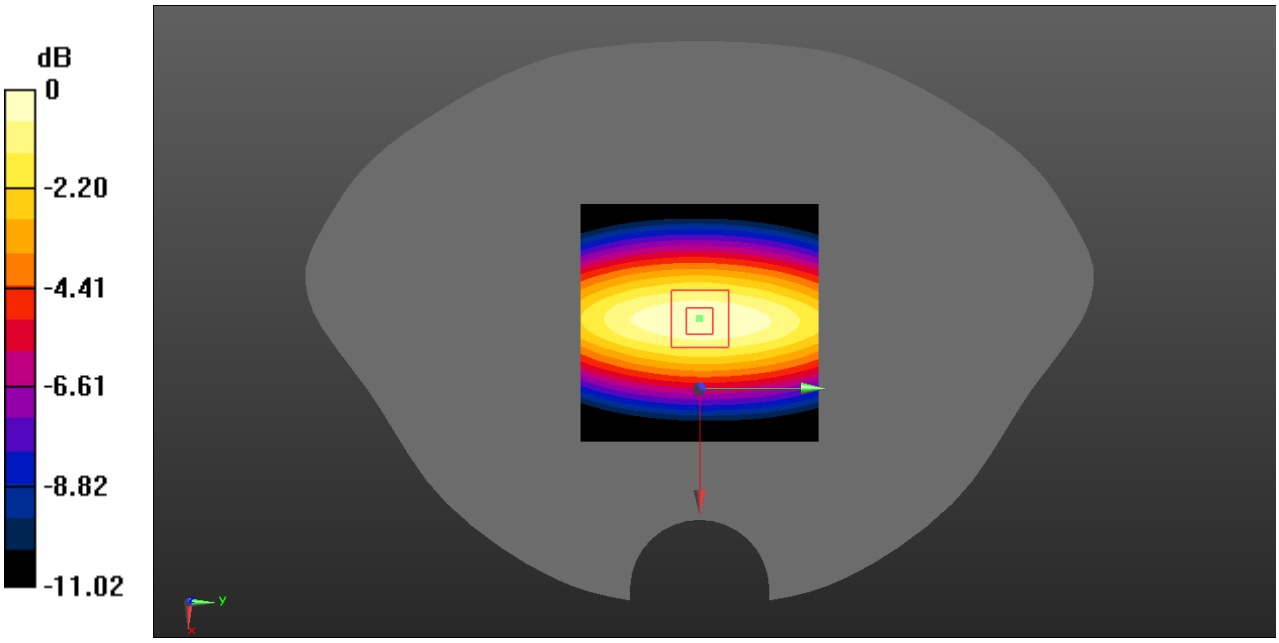
Head 750MHzPin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 56.98 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 3.02 W/kg

SAR(1 g) = 1.97 W/kg; SAR(10 g) = 1.31 W/kg

Maximum value of SAR (measured) = 2.63 W/kg



0 dB = 2.63 W/kg = 4.20 dBW/kg

System Performance 900 MHz Head_2020/09/27

DUT: Dipole 900 MHz; Type: D900V2; Serial: 1d184

Communication System: UID 0, CW ; Frequency: 900 MHz; Duty Cycle: 1:1

Medium parameters used: f = 900 MHz; σ = 0.958 S/m; εr = 39.707; ρ = 1000 kg/m^3

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7557; ConvF(10.1, 10.1, 10.1) @ 900 MHz; Calibrated: 10/4/2019
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn527; Calibrated: 7/9/2020
- Phantom: Twin-SAM V8.0 (20deg probe tilt)-Right; Type: QD 000 P40 CB; Serial: 1368
- Measurement SW: DASY52, Version 52.10 (2);

Head 900MHz Pin=250mW/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 3.59 W/kg

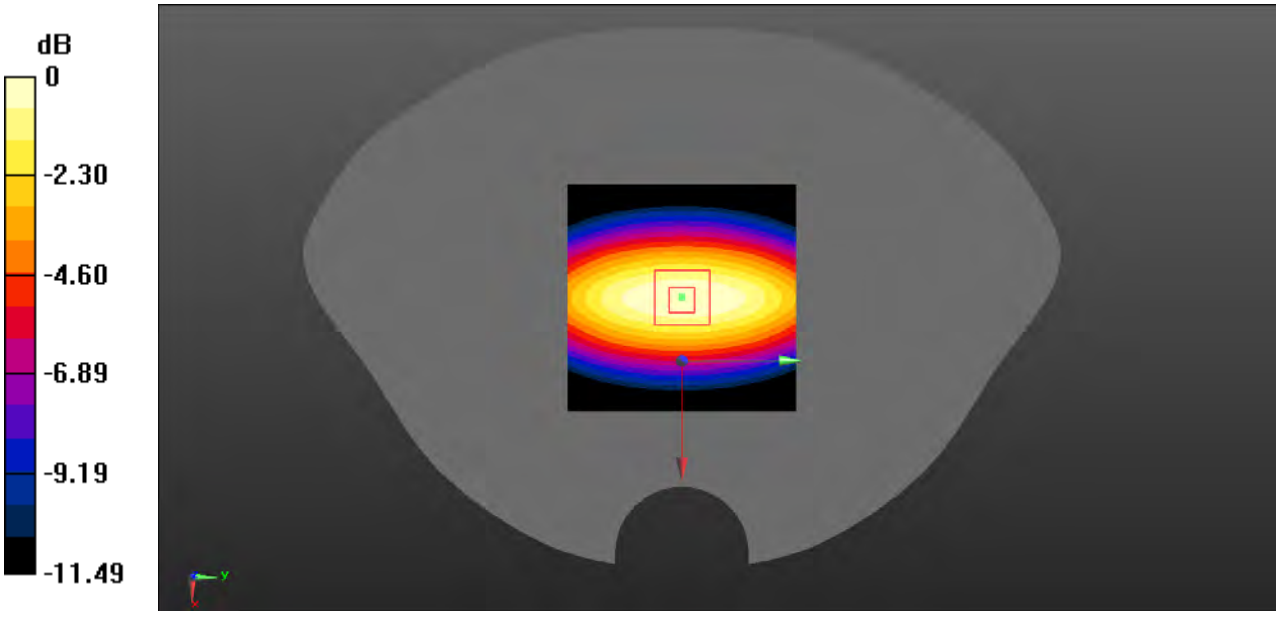
Head 900MHzPin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 63.31 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 4.15 W/kg

SAR(1 g) = 2.59 W/kg; SAR(10 g) = 1.66 W/kg

Maximum value of SAR (measured) = 3.56 W/kg



0 dB = 3.56 W/kg = 5.51 dBW/kg

System Performance 900 MHz Head_2020/11/26

DUT: Dipole 900 MHz; Type: D900V2; Serial: 1d184

Communication System: UID 0, CW ; Frequency: 900 MHz; Duty Cycle: 1:1

Medium parameters used: f = 900 MHz; σ = 0.937 S/m; εr = 43.31; ρ = 1000 kg/m^3

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7557; ConvF(10.05, 10.05, 10.05) @ 900 MHz; Calibrated: 11/5/2020
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn527; Calibrated: 7/9/2020
- Phantom: Twin-SAM V8.0 (20deg probe tilt)-Right; Type: QD 000 P40 CB; Serial: 1368
- Measurement SW: DASY52, Version 52.10 (2);

Head 900MHz Pin=250mW/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 3.51 W/kg

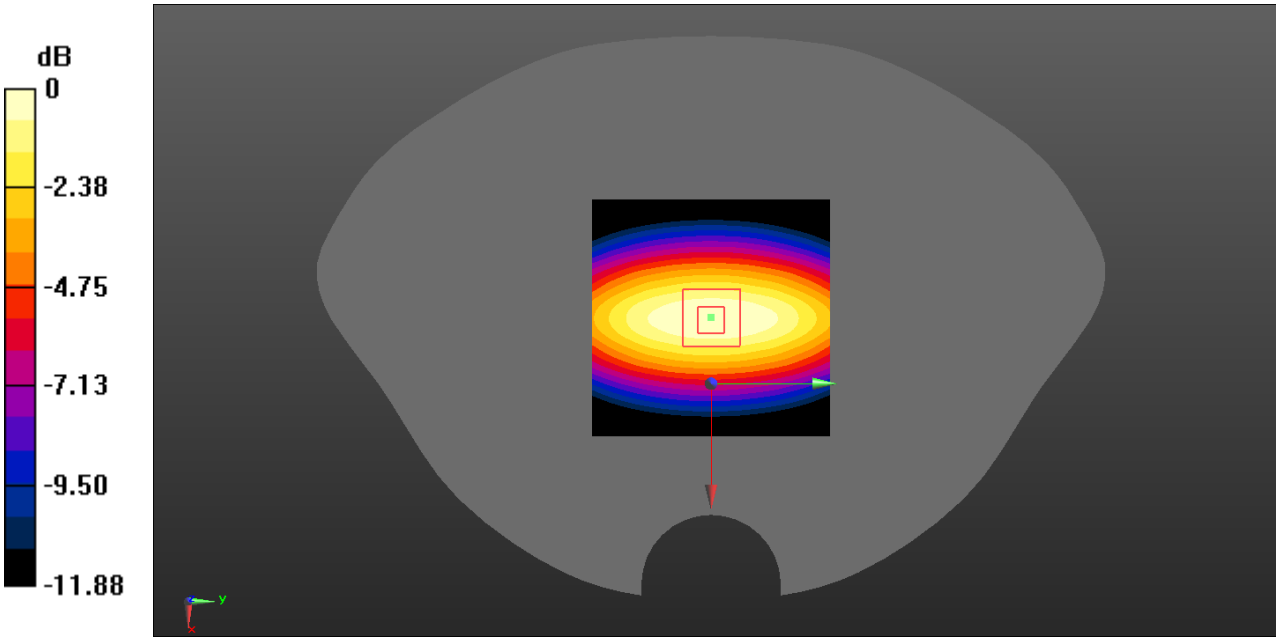
Head 900MHzPin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 63.92 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 4.06 W/kg

SAR(1 g) = 2.53 W/kg; SAR(10 g) = 1.62 W/kg

Maximum value of SAR (measured) = 3.49 W/kg



0 dB = 3.49 W/kg = 5.43 dBW/kg

System Performance 1800 MHz Head_2020/09/30

DUT: Dipole 1800 MHz; Type: D1800V2; Serial: 2d207

Communication System: UID 0, CW ; Frequency: 1800 MHz; Duty Cycle: 1:1

Medium parameters used: f = 1800 MHz; σ = 1.398 S/m; εr = 39.884; ρ = 1000 kg/m^3

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7557; ConvF (8.67, 8.67, 8.67) @ 1800 MHz; Calibrated: 10/4/2019
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn527; Calibrated: 7/9/2020
- Phantom: Twin-SAM V8.0 (20deg probe tilt)-Right; Type: QD 000 P40 CB; Serial: 1368
- Measurement SW: DASY52, Version 52.10 (2);

Head 1800MHz Pin=250mW/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 15.7 W/kg

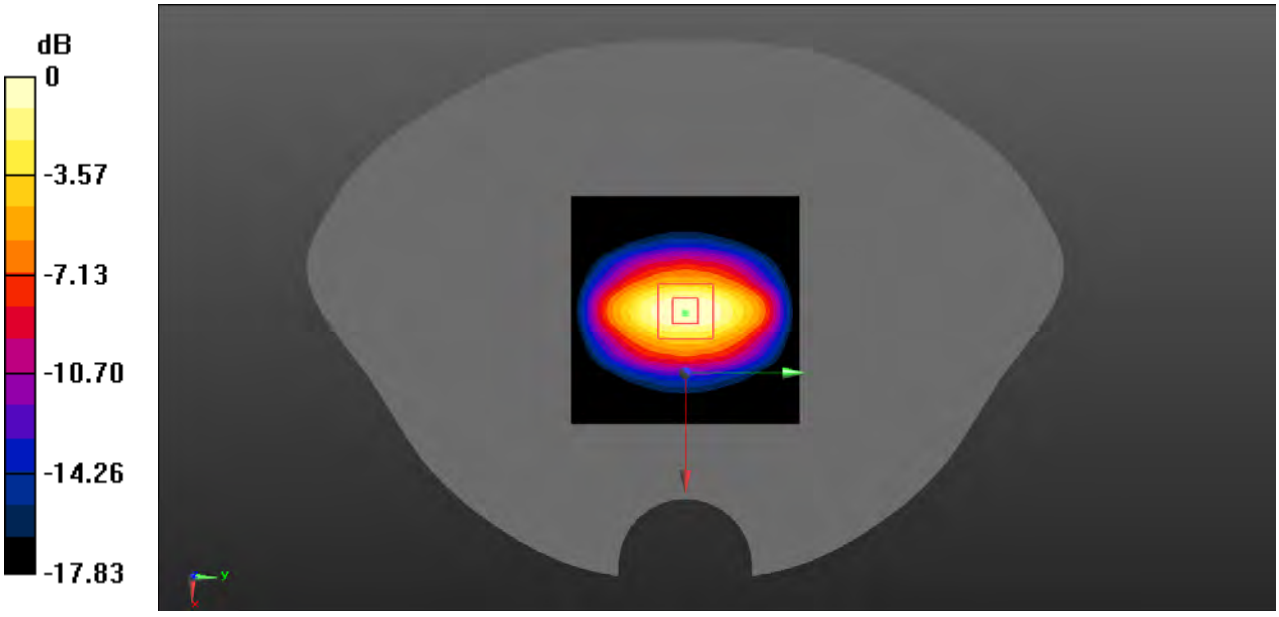
Head 1800MHzPin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 109.6 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 18.7 W/kg

SAR(1 g) = 9.87 W/kg; SAR(10 g) = 5.14 W/kg

Maximum value of SAR (measured) = 15.6 W/kg



0 dB = 15.6 W/kg = 11.93 dBW/kg

System Performance 1800 MHz Head_2020/11/29

DUT: Dipole 1800 MHz; Type: D1800V2; Serial: 2d207

Communication System: UID 0, CW ; Frequency: 1800 MHz; Duty Cycle: 1:1

Medium parameters used: f = 1800 MHz; σ = 1.371 S/m; εr = 40.777; ρ = 1000 kg/m^3

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7557; ConvF (8.48, 8.48, 8.48) @ 1800 MHz; Calibrated: 11/5/2020
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn527; Calibrated: 7/9/2020
- Phantom: Twin-SAM V8.0 (20deg probe tilt)-Right; Type: QD 000 P40 CB; Serial: 1368
- Measurement SW: DASY52, Version 52.10 (2);

Head 1800MHz Pin=250mW/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 15.4 W/kg

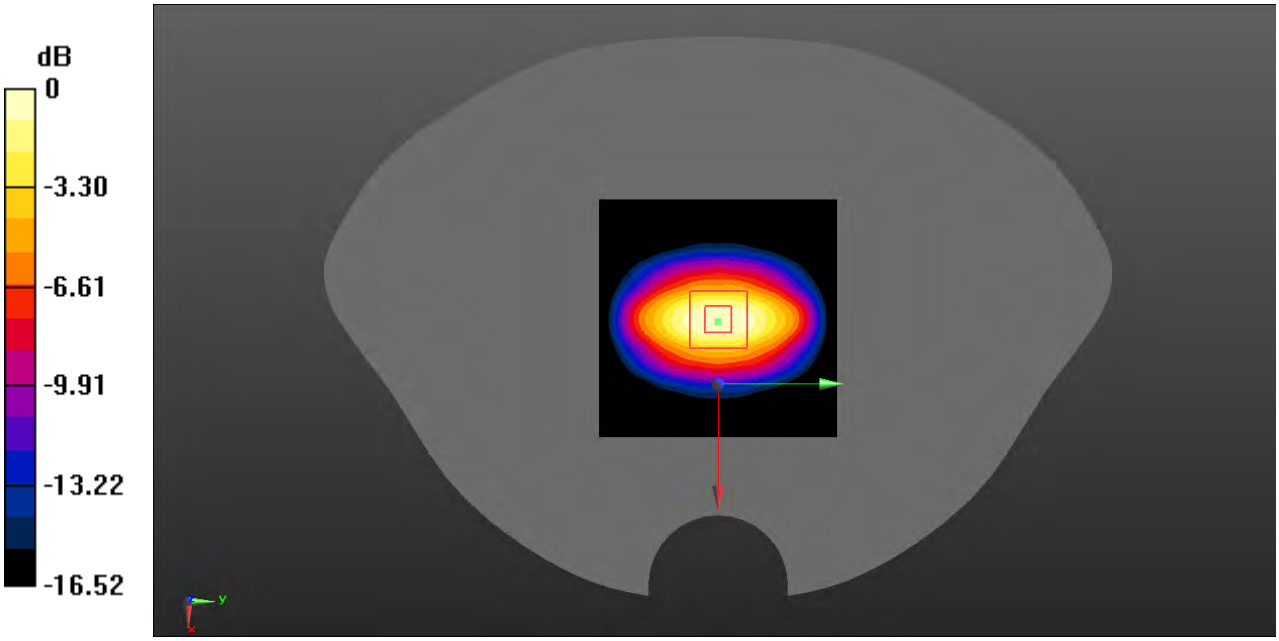
Head 1800MHzPin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 108.1 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 18.4 W/kg

SAR(1 g) = 9.68 W/kg; SAR(10 g) = 5.04 W/kg

Maximum value of SAR (measured) = 15.3 W/kg



0 dB = 15.3 W/kg = 11.85 dBW/kg

System Performance 1900 MHz Head_2020/09/26

DUT: Dipole 1900 MHz; Type: D1900V2; Serial: 5d207

Communication System: UID 0, CW ; Frequency: 1900 MHz; Duty Cycle: 1:1

Medium parameters used: f = 1900 MHz; σ = 1.401 S/m; εr = 38.811; ρ = 1000 kg/m^3

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7557; ConvF (8.36, 8.36, 8.36) @ 1900 MHz; Calibrated: 10/4/2019
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn527; Calibrated: 7/9/2020
- Phantom: Twin-SAM V8.0 (20deg probe tilt)-Right; Type: QD 000 P40 CB; Serial: 1368
- Measurement SW: DASY52, Version 52.10 (2);

Head 1900MHz Pin=250mW/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 17.1 W/kg

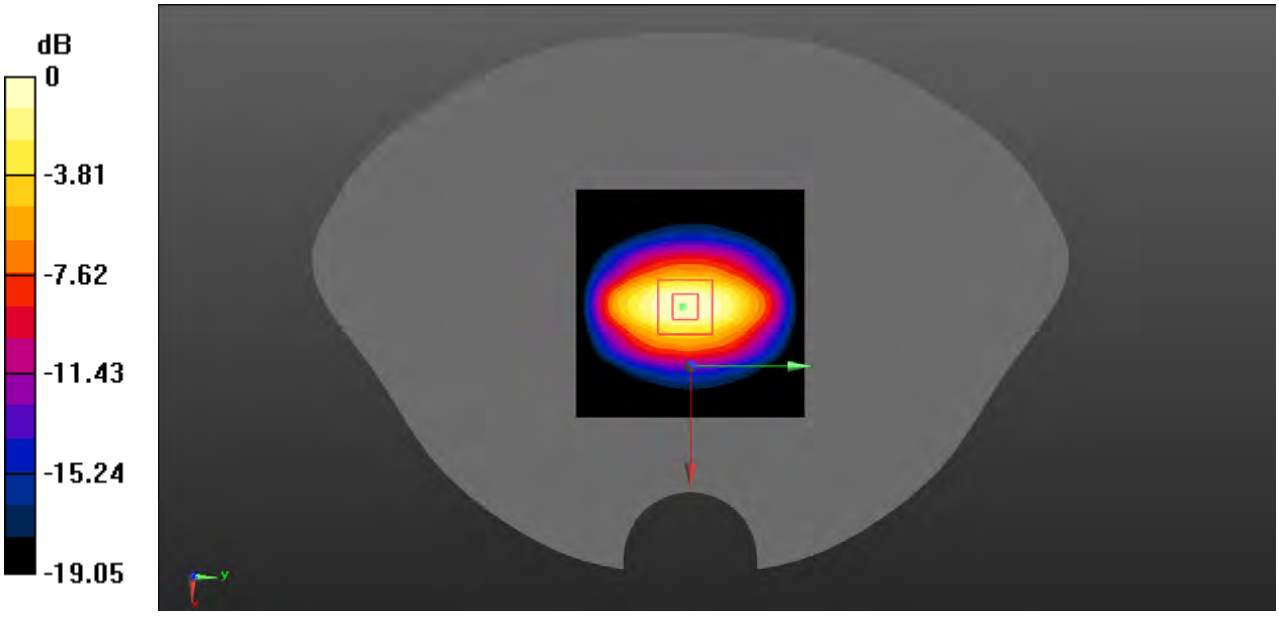
Head 1900MHzPin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 113.6 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 20.7 W/kg

SAR(1 g) = 10.6 W/kg; SAR(10 g) = 5.38 W/kg

Maximum value of SAR (measured) = 17.0 W/kg



0 dB = 17.0 W/kg = 12.30 dBW/kg

System Performance 1900 MHz Head_2020/11/25

DUT: Dipole 1900 MHz; Type: D1900V2; Serial: 5d207

Communication System: UID 0, CW ; Frequency: 1900 MHz; Duty Cycle: 1:1

Medium parameters used: f = 1900 MHz; σ = 1.376 S/m; εr = 38.18; ρ = 1000 kg/m^3

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7557; ConvF (8.12, 8.12, 8.12) @ 1900 MHz; Calibrated: 11/5/2020
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn527; Calibrated: 7/9/2020
- Phantom: Twin-SAM V8.0 (20deg probe tilt)-Right; Type: QD 000 P40 CB; Serial: 1368
- Measurement SW: DASY52, Version 52.10 (2);

Head 1900MHz Pin=250mW/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 16.8 W/kg

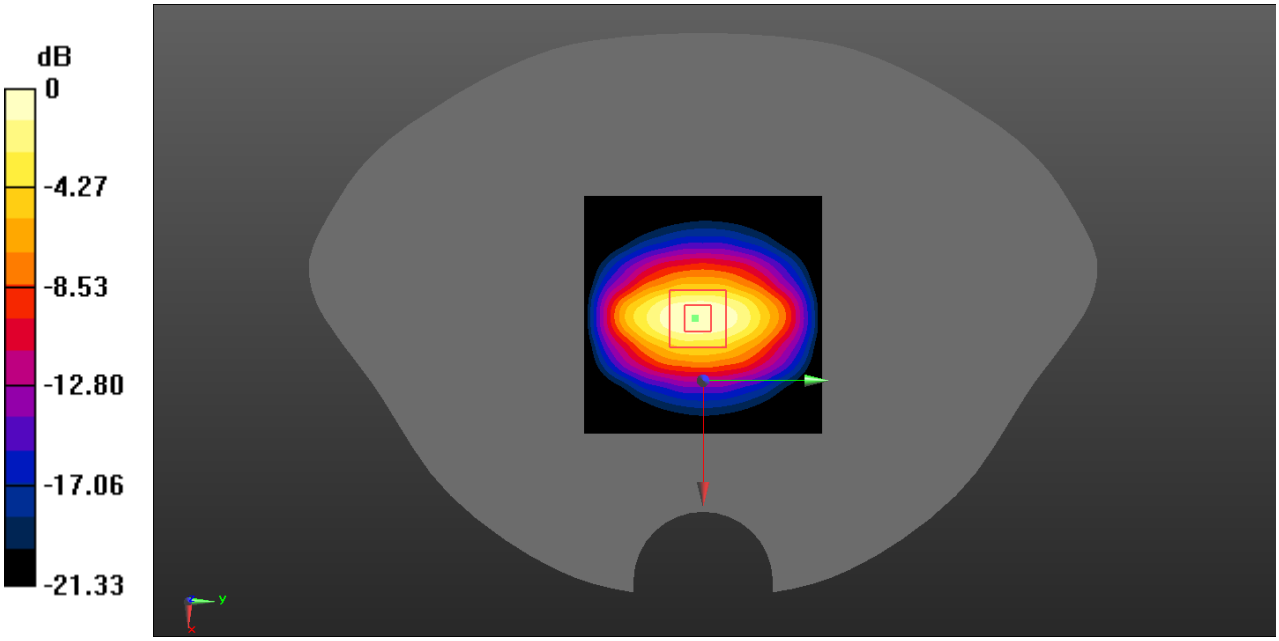
Head 1900MHzPin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 111.2 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 20.3 W/kg

SAR(1 g) = 10.4 W/kg; SAR(10 g) = 5.29 W/kg

Maximum value of SAR (measured) = 16.7 W/kg



0 dB = 16.7 W/kg = 12.23 dBW/kg

System Performance 2450 MHz Head_2020/10/01

DUT: Dipole 2450 MHz; Type: D2450V2; Serial: 969

Communication System: UID 0, CW ; Frequency: 2450 MHz; Duty Cycle: 1:1

Medium parameters used: f = 2450 MHz; σ = 1.771 S/m; εr = 39.71; ρ = 1000 kg/m^3

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7557; ConvF (7.41, 7.41, 7.41) @ 2450 MHz; Calibrated: 10/4/2019
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn527; Calibrated: 7/9/2020
- Phantom: Twin-SAM V8.0 (20deg probe tilt)-Right; Type: QD 000 P40 CB; Serial: 1368
- Measurement SW: DASY52, Version 52.10 (2);

Head 2450MHz Pin=250mW/Area Scan (61x61x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 16.7 W/kg

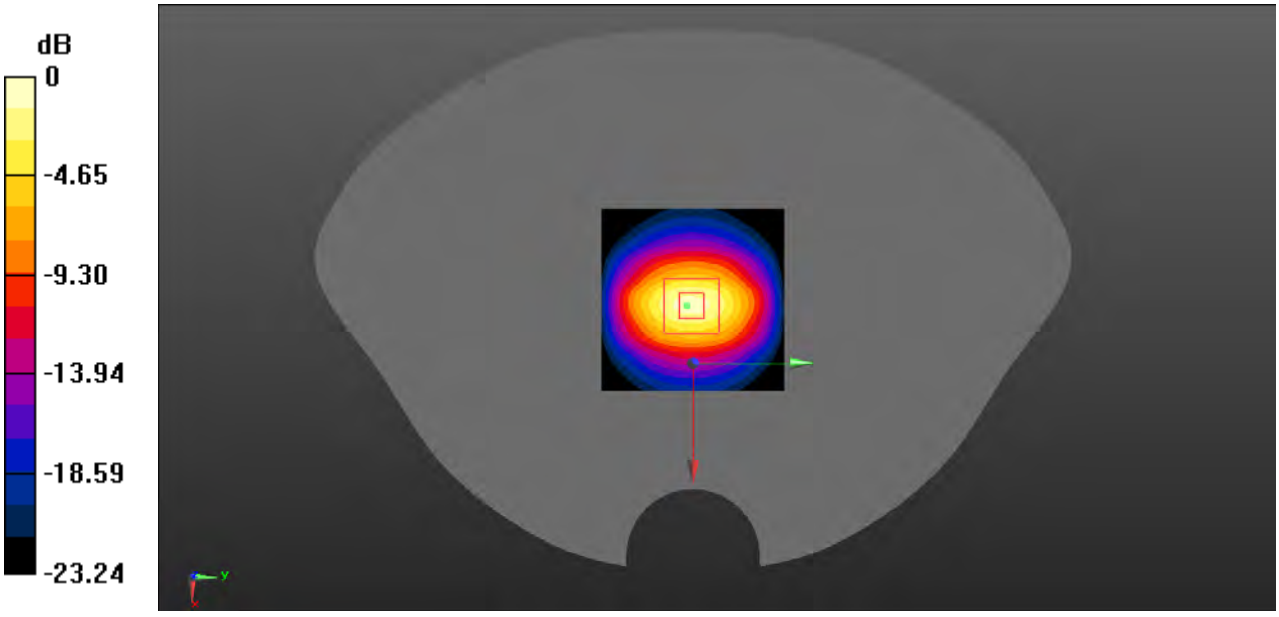
Head 2450MHzPin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 95.55 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 27.5 W/kg

SAR(1 g) = 12.6 W/kg; SAR(10 g) = 5.73 W/kg

Maximum value of SAR (measured) = 21.7 W/kg



0 dB = 21.7 W/kg = 13.36 dBW/kg

System Performance 2450 MHz Head_2020/11/30

DUT: Dipole 2450 MHz; Type: D2450V2; Serial: 969

Communication System: UID 0, CW ; Frequency: 2450 MHz; Duty Cycle: 1:1

Medium parameters used: f = 2450 MHz; σ = 1.818 S/m; εr = 40.81; ρ = 1000 kg/m^3

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7557; ConvF (7.23, 7.23, 7.23) @ 2450 MHz; Calibrated: 11/5/2020
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn527; Calibrated: 7/9/2020
- Phantom: Twin-SAM V8.0 (20deg probe tilt)-Right; Type: QD 000 P40 CB; Serial: 1368
- Measurement SW: DASY52, Version 52.10 (2);

Head 2450MHz Pin=250mW/Area Scan (61x61x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 17.2 W/kg

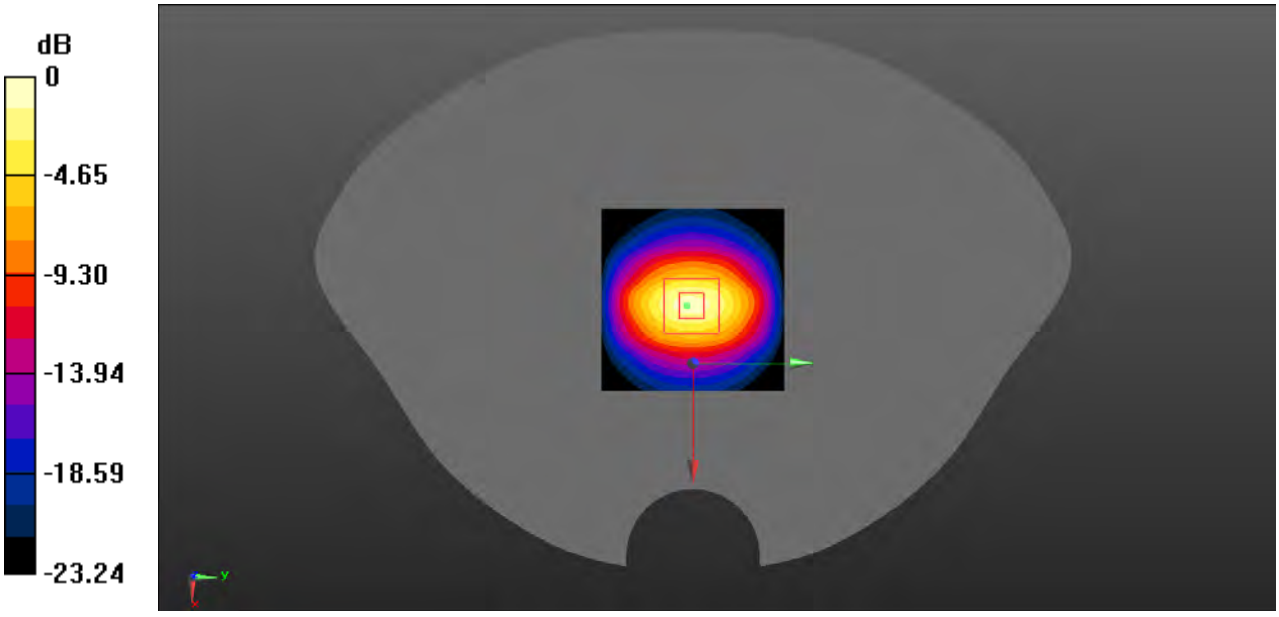
Head 2450MHzPin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 98.73 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 28.2 W/kg

SAR(1 g) = 12.9 W/kg; SAR(10 g) = 5.88 W/kg

Maximum value of SAR (measured) = 22.2 W/kg



0 dB = 22.2 W/kg = 13.46 dBW/kg

System Performance 2600 MHz Head_2020/09/28

DUT: Dipole 2600 MHz; Type: D2600V2; Serial: 1162

Communication System: UID 0, CW ; Frequency: 2600 MHz; Duty Cycle: 1:1

Medium parameters used: f = 2600 MHz; σ = 1.949 S/m; εr = 39.201; ρ = 1000 kg/m^3

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7557; ConvF (7.21, 7.21, 7.21) @ 2600 MHz; Calibrated: 10/4/2019
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn527; Calibrated: 7/9/2020
- Phantom: Twin-SAM V8.0 (20deg probe tilt)-Right; Type: QD 000 P40 CB; Serial: 1368
- Measurement SW: DASY52, Version 52.10 (2);

Head 2600MHz Pin=250mW/Area Scan (61x61x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 18.8 W/kg

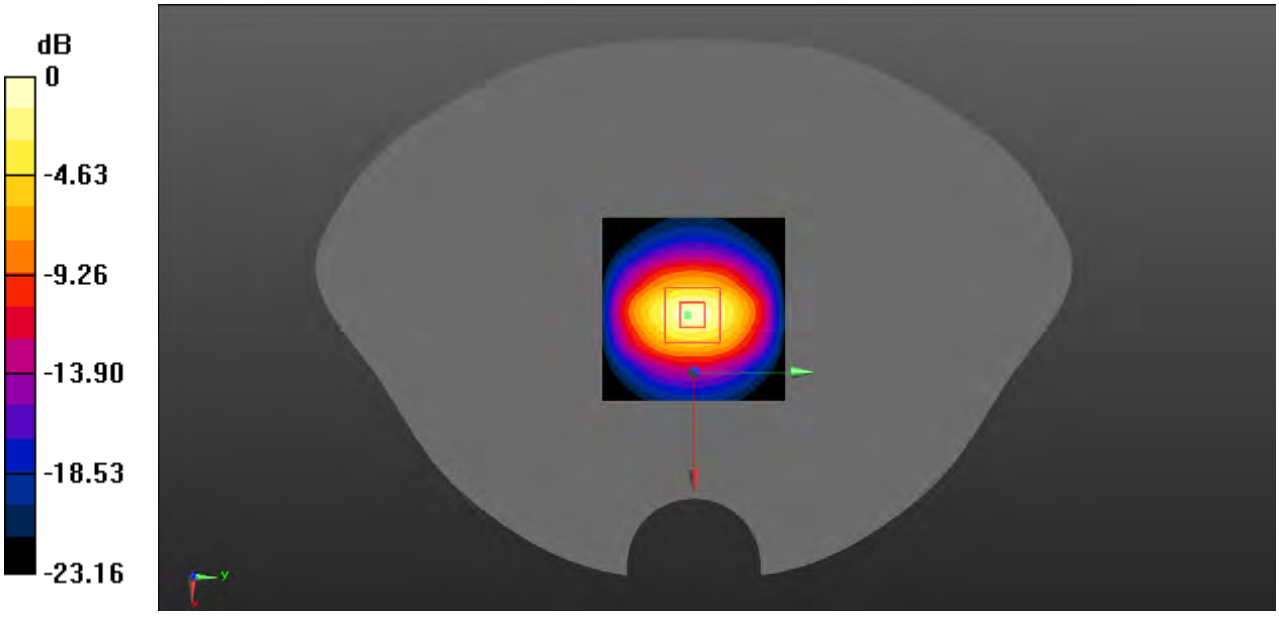
Head 2600MHzPin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 96.84 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 30.2 W/kg

SAR(1 g) = 14.1 W/kg; SAR(10 g) = 6.43 W/kg

Maximum value of SAR (measured) = 24.0 W/kg



0 dB = 24.0 W/kg = 13.80 dBW/kg

System Performance 2600 MHz Head_2020/11/27

DUT: Dipole 2600 MHz; Type: D2600V2; Serial: 1162

Communication System: UID 0, CW ; Frequency: 2600 MHz; Duty Cycle: 1:1

Medium parameters used: f = 2600 MHz; σ = 1.937 S/m; εr = 40.571; ρ = 1000 kg/m^3

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7557; ConvF (7.13, 7.13, 7.13) @ 2600 MHz; Calibrated: 11/5/2020
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn527; Calibrated: 7/9/2020
- Phantom: Twin-SAM V8.0 (20deg probe tilt)-Right; Type: QD 000 P40 CB; Serial: 1368
- Measurement SW: DASY52, Version 52.10 (2);

Head 2600MHz Pin=250mW/Area Scan (61x61x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 18.7 W/kg

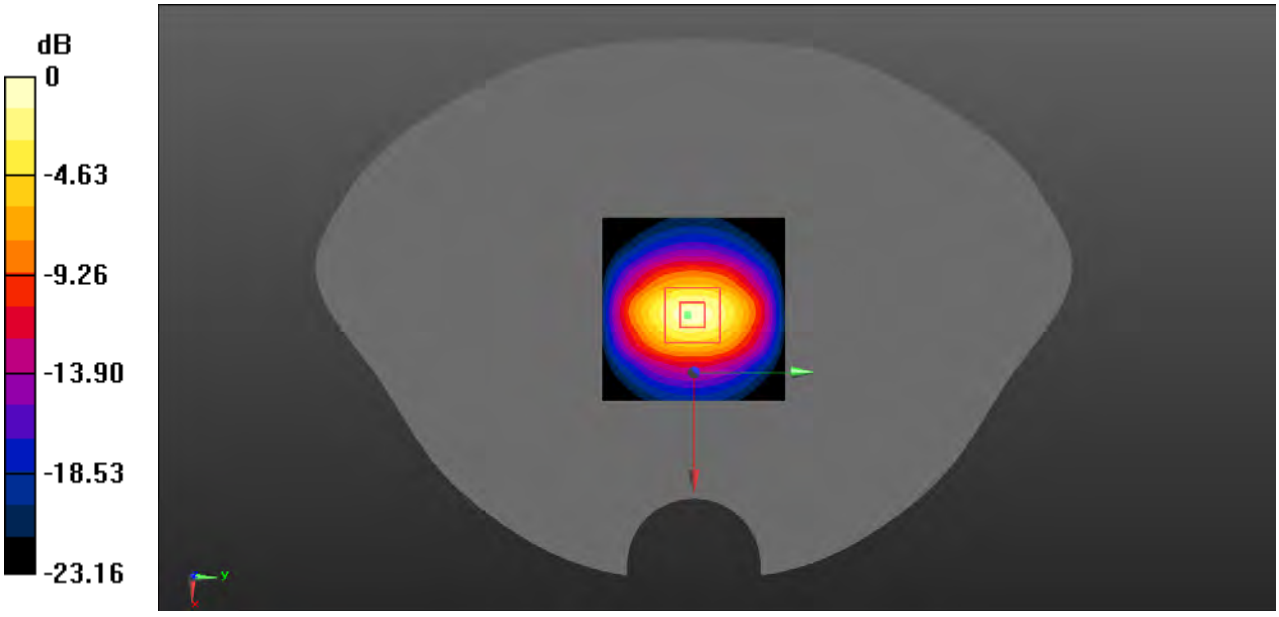
Head 2600MHzPin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 94.21 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 30.0 W/kg

SAR(1 g) = 14 W/kg; SAR(10 g) = 6.39 W/kg

Maximum value of SAR (measured) = 23.9 W/kg



0 dB = 23.9 W/kg = 13.78 dBW/kg

System Performance 5200 MHz Head_2020/10/02

DUT: Dipole 5200 MHz; Type: D5GHzV2; Serial: 1225

Communication System: UID 0, CW ; Frequency: 5200 MHz; Duty Cycle: 1:1

Medium parameters used: f = 5200 MHz; σ = 4.616 S/m; εr = 37.309; ρ = 1000 kg/m^3

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7557; ConvF (5.38, 5.38, 5.38) @ 5200 MHz; Calibrated: 10/4/2019
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn527; Calibrated: 7/9/2020
- Phantom: Twin-SAM V8.0 (20deg probe tilt)-Right; Type: QD 000 P40 CB; Serial: 1368
- Measurement SW: DASY52, Version 52.10 (2);

Head 5200MHz Pin=100mW/Area Scan (71x71x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 18.6 W/kg

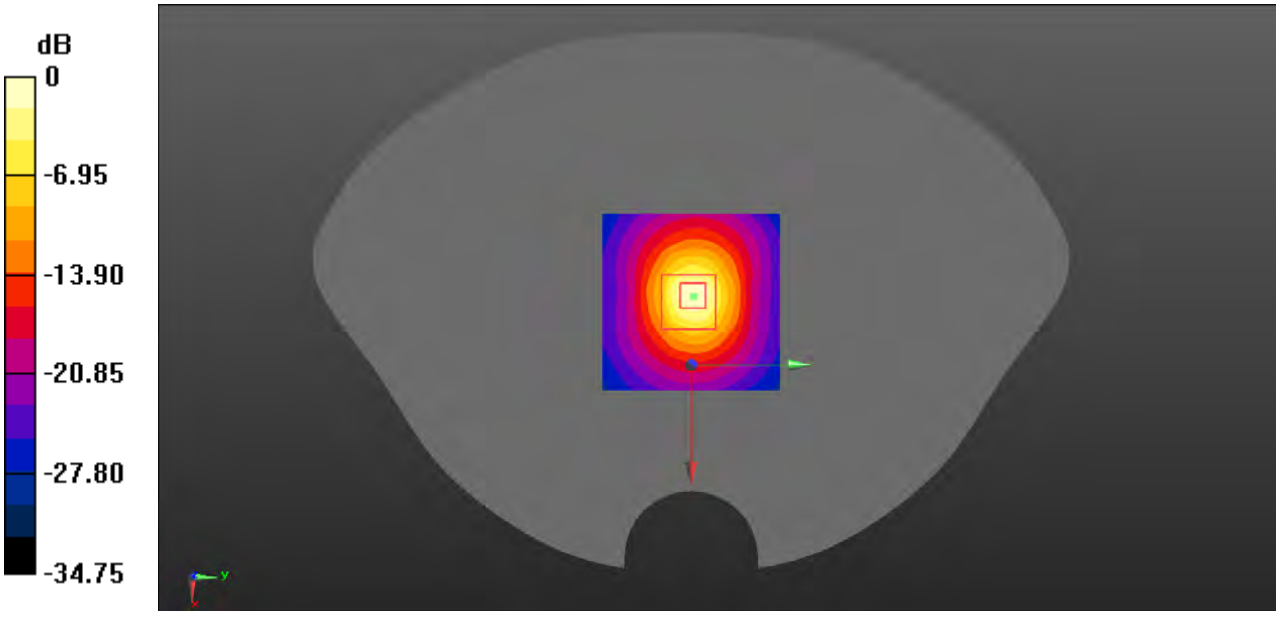
Head 5200MHzPin=100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 69.86 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 32.6 W/kg

SAR(1 g) = 7.84 W/kg; SAR(10 g) = 2.17 W/kg

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



0 dB = 19.5 W/kg = 12.90 dBW/kg

System Performance 5200 MHz Head_2020/12/01

DUT: Dipole 5200 MHz; Type: D5GHzV2; Serial: 1225

Communication System: UID 0, CW ; Frequency: 5200 MHz; Duty Cycle: 1:1

Medium parameters used: f = 5200 MHz; σ = 4.732 S/m; εr = 36.423; ρ = 1000 kg/m^3

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7557; ConvF (5.38, 5.38, 5.38) @ 5200 MHz; Calibrated: 11/5/2020
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn527; Calibrated: 7/9/2020
- Phantom: Twin-SAM V8.0 (20deg probe tilt)-Right; Type: QD 000 P40 CB; Serial: 1368
- Measurement SW: DASY52, Version 52.10 (2);

Head 5200MHz Pin=100mW/Area Scan (71x71x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 19.1 W/kg

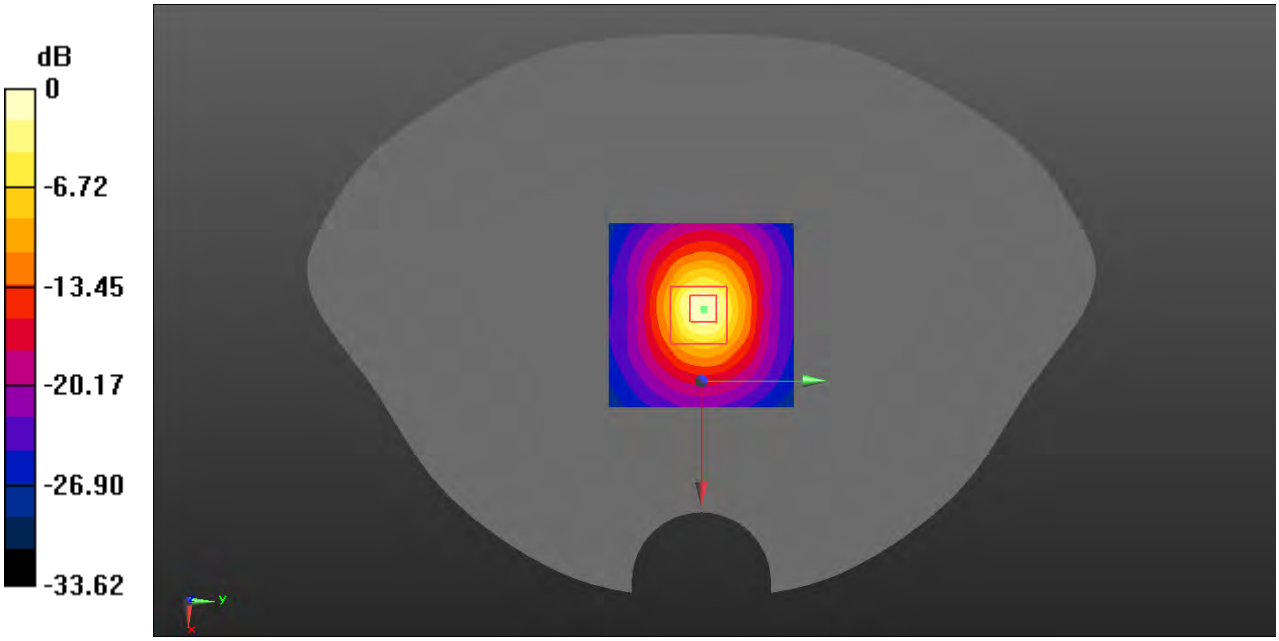
Head 5200MHzPin=100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 72.13 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 33.4 W/kg

SAR(1 g) = 8.04 W/kg; SAR(10 g) = 2.22 W/kg

Maximum value of SAR (measured) = 20.0 W/kg



0 dB = 20.0 W/kg = 13.01 dBW/kg

System Performance 5800 MHz Head_2020/10/03

DUT: Dipole 5800 MHz; Type: D5GHzV2; Serial: 1225

Communication System: UID 0, CW ; Frequency: 5800 MHz; Duty Cycle: 1:1

Medium parameters used: f = 5800 MHz; σ = 5.24 S/m; εr = 36.496; ρ = 1000 kg/m^3

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7557; ConvF (4.7, 4.7, 4.7) @ 5800 MHz; Calibrated: 10/4/2019
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn527; Calibrated: 7/9/2020
- Phantom: Twin-SAM V8.0 (20deg probe tilt)-Right; Type: QD 000 P40 CB; Serial: 1368
- Measurement SW: DASY52, Version 52.10 (2);

Head 5800MHz Pin=100mW/Area Scan (71x71x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 20.5 W/kg

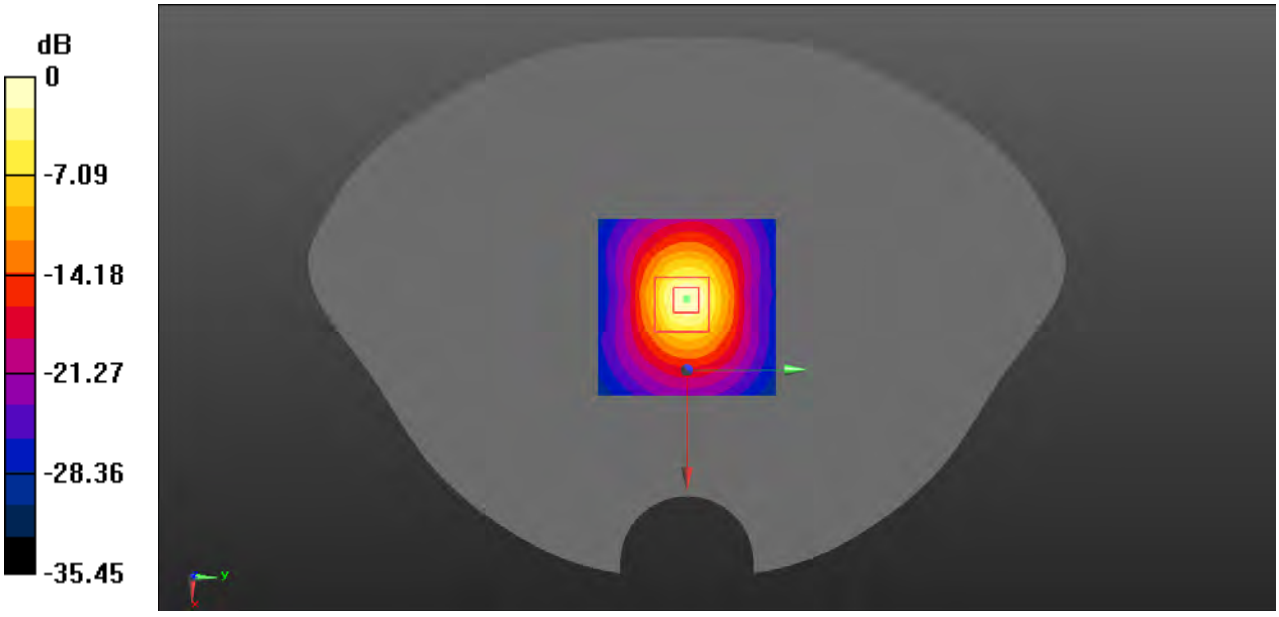
Head 5800MHzPin=100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 65.92 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 37.0 W/kg

SAR(1 g) = 7.89 W/kg; SAR(10 g) = 2.17 W/kg

Maximum value of SAR (measured) = 20.2 W/kg



0 dB = 20.2 W/kg = 13.05 dBW/kg

System Performance 5800 MHz Head_2020/12/02

DUT: Dipole 5800 MHz; Type: D5GHzV2; Serial: 1225

Communication System: UID 0, CW ; Frequency: 5800 MHz; Duty Cycle: 1:1

Medium parameters used: f = 5800 MHz; σ = 5.492 S/m; εr = 35.174; ρ = 1000 kg/m^3

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7557; ConvF (4.73, 4.73, 4.73) @ 5800 MHz; Calibrated: 11/5/2020
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn527; Calibrated: 7/9/2020
- Phantom: Twin-SAM V8.0 (20deg probe tilt)-Right; Type: QD 000 P40 CB; Serial: 1368
- Measurement SW: DASY52, Version 52.10 (2);

Head 5800MHz Pin=100mW/Area Scan (71x71x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 21.5 W/kg

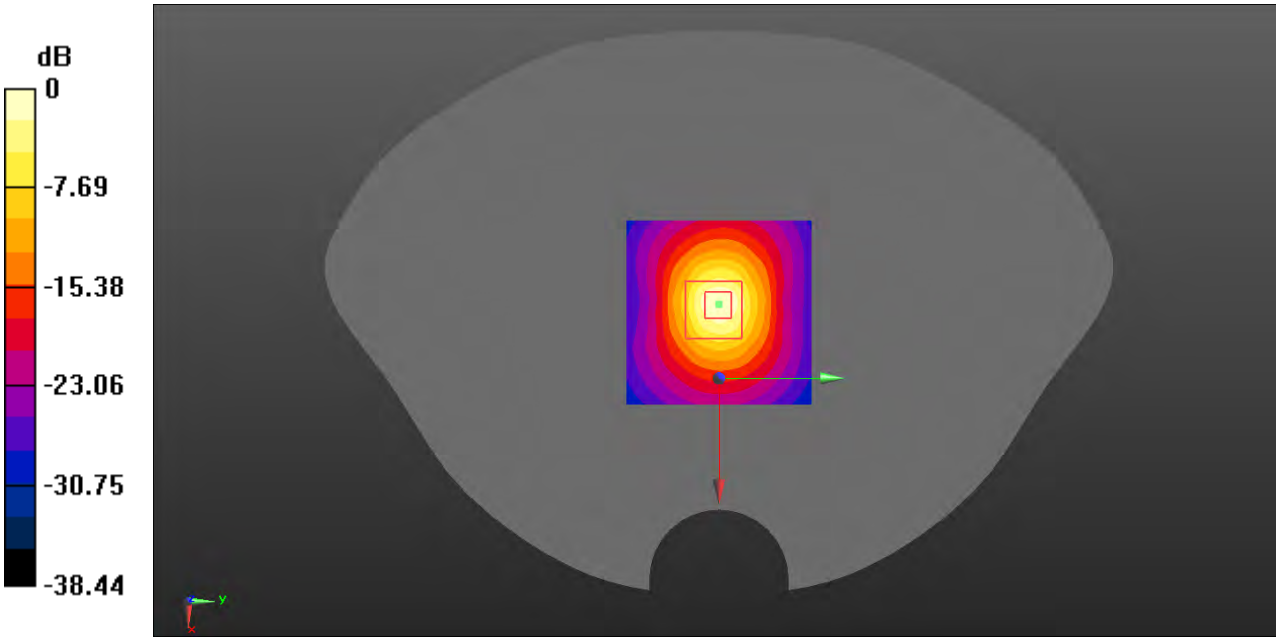
Head 5800MHzPin=100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 68.11 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 38.8 W/kg

SAR(1 g) = 8.27 W/kg; SAR(10 g) = 2.27 W/kg

Maximum value of SAR (measured) = 21.2 W/kg



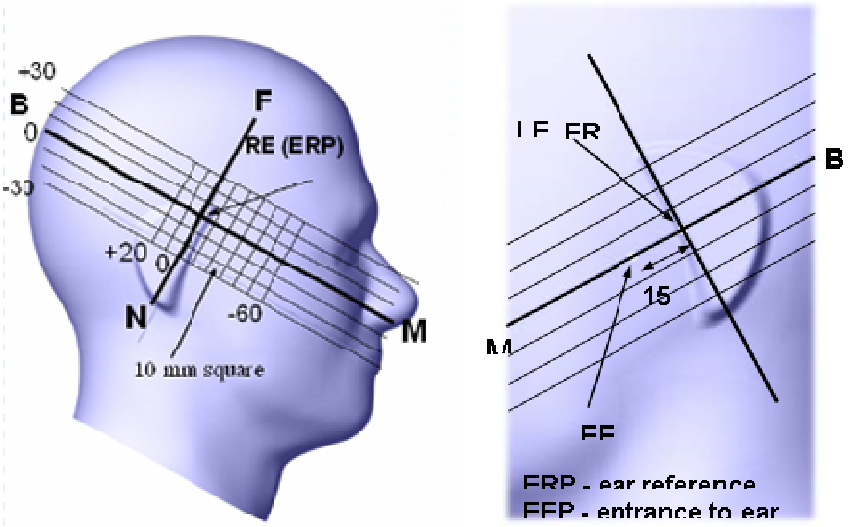
0 dB = 21.2 W/kg = 13.26 dBW/kg

EUT TEST STRATEGY AND METHODOLOGY

Test Positions for Device Operating Next to a Person's Ear

This category includes most wireless handsets with fixed, retractable or internal antennas located toward the top half of the device, with or without a foldout, sliding or similar keypad cover. The handset should have its earpiece located within the upper ¼ of the device, either along the centerline or off-centered, as perceived by its users. This type of handset should be positioned in a normal operating position with the "test device reference point" located along the "vertical centerline" on the front of the device aligned to the "ear reference point". The "test device reference point" should be located at the same level as the center of the earpiece region. The "vertical centerline" should bisect the front surface of the handset at its top and bottom edges. A "ear reference point" is located on the outer surface of the head phantom on each ear spacer. It is located 1.5 cm above the center of the ear canal entrance in the "phantom reference plane" defined by the three lines joining the center of each "ear reference point" (left and right) and the tip of the mouth.

A handset should be initially positioned with the earpiece region pressed against the ear spacer of a head phantom. For the SCC-34/SC-2 head phantom, the device should be positioned parallel to the "N-F" line defined along the base of the ear spacer that contains the "ear reference point". For interim head phantoms, the device should be positioned parallel to the cheek for maximum RF energy coupling. The "test device reference point" is aligned to the "ear reference point" on the head phantom and the "vertical centerline" is aligned to the "phantom reference plane". This is called the "initial ear position". While maintaining these three alignments, the body of the handset is gradually adjusted to each of the following positions for evaluating SAR:



Cheek/Touch Position

The device is brought toward the mouth of the head phantom by pivoting against the "ear reference point" or along the "N-F" line for the SCC-34/SC-2 head phantom.

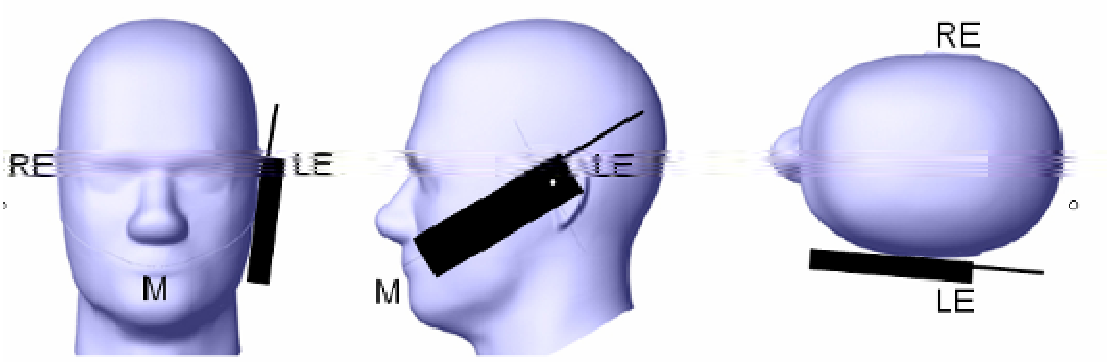
This test position is established:

When any point on the display, keypad or mouthpiece portions of the handset is in contact with the phantom.

(or) When any portion of a foldout, sliding or similar keypad cover opened to its intended self-adjusting normal use position is in contact with the cheek or mouth of the phantom.

For existing head phantoms – when the handset loses contact with the phantom at the pivoting point, rotation should continue until the device touches the cheek of the phantom or breaks its last contact from the ear spacer.

Cheek /Touch Position



Ear/Tilt Position

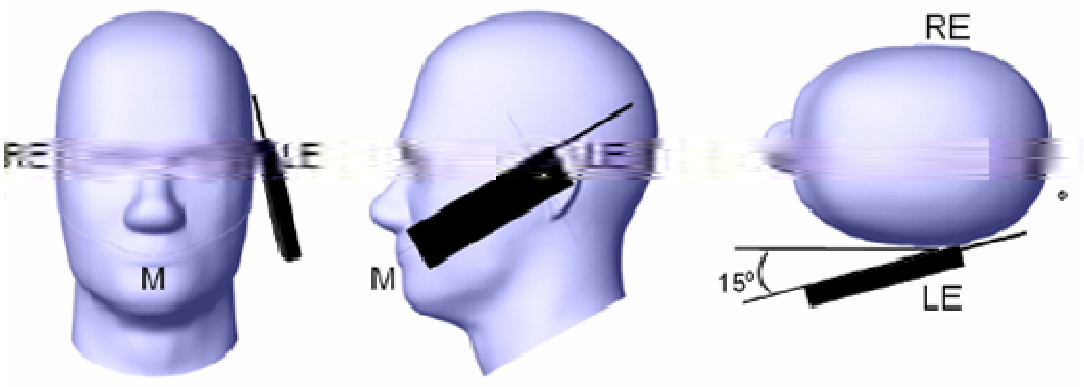
With the handset aligned in the “Cheek/Touch Position”:

1) If the earpiece of the handset is not in full contact with the phantom’s ear spacer (in the “Cheek/Touch position”) and the peak SAR location for the “Cheek/Touch” position is located at the ear spacer region or corresponds to the earpiece region of the handset, the device should be returned to the “initial ear position” by rotating it away from the mouth until the earpiece is in full contact with the ear spacer.

2) (otherwise) The handset should be moved (translated) away from the cheek perpendicular to the line passes through both “ear reference points” (note: one of these ear reference points may not physically exist on a split head model) for approximate 2-3 cm. While it is in this position, the device handset is tilted away from the mouth with respect to the “test device reference point” until the inside angle between the vertical centerline on the front surface of the phone and the horizontal line passing through the ear reference point is by 15 80°. After the tilt, it is then moved (translated) back toward the head perpendicular to the line passes through both “ear reference points” until the device touches the phantom or the ear spacer. If the antenna touches the head first, the positioning process should be repeated with a tilt angle less than 15° so that the device and its antenna would touch the phantom simultaneously. This test position may require a device holder or positioner to achieve the translation and tilting with acceptable positioning repeatability.

If a device is also designed to transmit with its keypad cover closed for operating in the head position, such positions should also be considered in the SAR evaluation. The device should be tested on the left and right side of the head phantom in the “Cheek/Touch” and “Ear/Tilt” positions. When applicable, each configuration should be tested with the antenna in its fully extended and fully retracted positions. These test configurations should be tested at the high, middle and low frequency channels of each operating mode; for example, AMPS, CDMA, and TDMA. If the SAR measured at the middle channel for each test configuration (left, right, Cheek/Touch, Tilt/Ear, extended and retracted) is at least 2.0 dB lower than the SAR limit, testing at the high and low channels is optional for such test configuration(s). If the transmission band of the test device is less than 10 MHz, testing at the high and low frequency channels is optional.

Ear /Tilt 15o Position



Test positions for body-worn and other configurations

Body-worn operating configurations should be tested with the belt-clips and holsters attached to the device and positioned against a flat phantom in normal use configurations. Devices with a headset output should be tested with a headset connected to the device. When multiple accessories that do not contain metallic components are supplied with the device, the device may be tested with only the accessory that dictates the closest spacing to the body. When multiple accessories that contain metallic components are supplied with the device, the device must be tested with each accessory that contains a unique metallic component. If multiple accessories share an identical metallic component (e.g., the same metallic belt-clip used with different holsters with no other metallic components), only the accessory that dictates the closest spacing to the body must be tested.

Body-worn accessories may not always be supplied or available as options for some devices that are intended to be authorized for body-worn use. A separation distance of 1.5 cm between the back of the device and a flat phantom is recommended for testing body-worn SAR compliance under such circumstances. Other separation distances may be used, but they should not exceed 2.5 cm. In these cases, the device may use body-worn accessories that provide a separation distance greater than that tested for the device provided however that the accessory contains no metallic components.

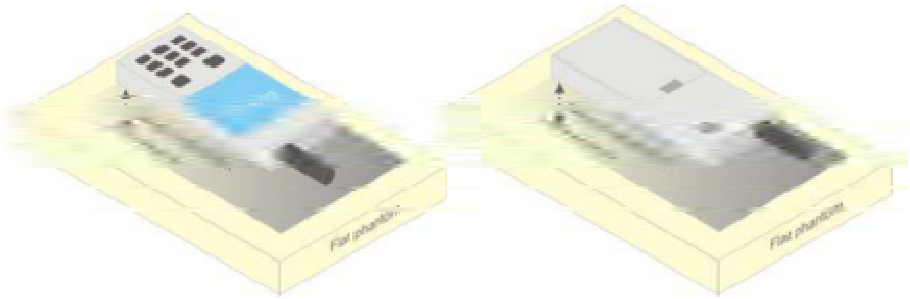


Figure 5 – Test positions for body-worn devices

Test Distance for SAR Evaluation

For this case the EUT(Equipment Under Test) is set 10mm away from the phantom, the test distance is 10mm.

SAR Evaluation Procedure

The evaluation was performed with the following procedure:

Step 1: Measurement of the SAR value at a fixed location above the ear point or central position was used as a reference value for assessing the power drop. The SAR at this point is measured at the start of the test and then again at the end of the testing.

Step 2: The SAR distribution at the exposed side of the head was measured at a distance of 4 mm from the inner surface of the shell. The area covered the entire dimension of the head or radiating structures of the EUT, the horizontal grid spacing was 15 mm x 15 mm, and the SAR distribution was determined by integrated grid of 1.5mm x 1.5mm. Based on these data, the area of the maximum absorption was determined by spline interpolation. The first Area Scan covers the entire dimension of the EUT to ensure that the hotspot was correctly identified.

Step 3: Around this point, a volume of 30 mm x 30 mm x 30 mm was assessed by measuring 7x 7 x 7 points. On the basis of this data set, the spatial peak SAR value was evaluated under the following procedure:

1) The data at the surface were extrapolated, since the center of the dipoles is 1.2 mm away from the tip of the probe and the distance between the surface and the lowest measuring point is 1.3 mm. The extrapolation was based on a least square algorithm. A polynomial of the fourth order was calculated through the points in z-axes. This polynomial was then used to evaluate the points between the surface and the probe tip.

2) The maximum interpolated value was searched with a straightforward algorithm. Around this maximum the SAR values averaged over the spatial volumes (1 g or 10 g) were computed by the 3D-Spline interpolation algorithm. The 3D-Spline is composed of three one dimensional splines with the “Not a knot"-condition (in x, y and z-directions). The volume was integrated with the trapezoidal-algorithm. One thousand points (10 x 10 x 10) were interpolated to calculate the averages.

All neighboring volumes were evaluated until no neighboring volume with a higher average value was found.

Step 4: Re-measurement of the SAR value at the same location as in Step 1. If the value changed by more than 5%, the evaluation was repeated.

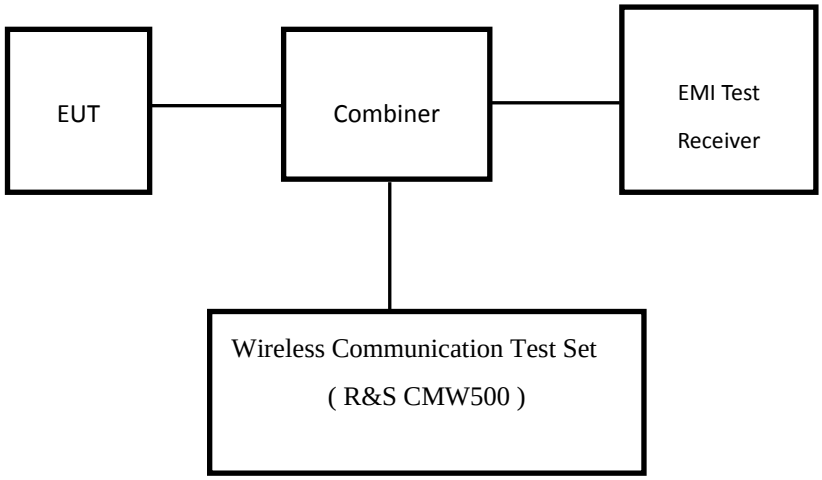
CONDUCTED OUTPUT POWER MEASUREMENT

Provision Applicable

The measured peak output power should be greater and within 5% than EMI measurement.

Test Procedure

The RF output of the transmitter was connected to the input of the EMI Test Receiver through sufficient attenuation.



GSM&WCDMA&LTE

Radio Configuration

The power measurement was configured by the Wireless Communication Test Set.

GSM/GPRS/EGPRS

Function: Menu select > GSM Mobile Station > GSM 850/1900
Press Connection control to choose the different menus
Press RESET > choose all the reset all settings
Connection Press Signal Off to turn off the signal and change settings
Network Support > GSM + GPRS or GSM + EGSM
Main Service > Packet Data
Service selection > Test Mode A – Auto Slot Config. off
MS Signal Press Slot Config Bottom on the right twice to select and change the number of time slots and power setting
> Slot configuration > Uplink/Gamma
> 33 dBm for GPRS 850
> 30 dBm for GPRS 1900
> 27 dBm for EGPRS 850
> 26 dBm for EGPRS 1900
BS Signal Enter the same channel number for TCH channel (test channel) and BCCH channel
Frequency Offset > + 0 Hz
Mode > BCCH and TCH
BCCH Level > -85 dBm (May need to adjust if link is not stabe)
BCCH Channel > choose desire test channel [Enter the same channel number for TCH channel (test channel) and BCCH channel]

Channel Type > Off
P0 > 4 dB
Slot Config>Unchanged (if already set under MS signal)
TCH > choose desired test channel
Hopping > Off

Main Timeslot > 3
Network Coding Scheme > CS4 (GPRS) and MCS5 (EGPRS)
Bit Stream >2E9-1 PSR Bit Stream
AF/RF Enter appropriate offsets for Ext. Att. Output and Ext. Att. Input
Connection Press Signal on to turn on the signal and change settings

WCDMA Release 99

The following tests were conducted according to the test requirements outlines in section 5.2 of the 3GPP TS34.121-1 specification. The EUT has a nominal maximum output power of 24dBm (+1.7/-3.7).

WCDMA General Settings	Loopback Mode	Test Mode 1
	Rel99 RMC	12.2kbps RMC
	Power Control Algorithm	Algorithm2
	βc / βd	8/15

HSDPA

The following tests were conducted according to the test requirements outlines in section 5.2 of the 3GPP TS34.121-1 specification.

	Mode	**HSDPA**	**HSDPA**	**HSDPA**	**HSDPA**
	Subset	**1**	**2**	**3**	**4**
WCDMA General Settings	Loopback Mode	Test Mode 1			
	Rel99 RMC	12.2kbps RMC			
	HSDPA FRC	H-Set1			
	Power Control Algorithm	Algorithm2			
	βc	2/15	12/15	15/15	15/15
	βd	15/15	15/15	8/15	4/15
	βd (SF)	64			
	βc/βd	2/15	12/15	15/8	15/4
	βhs	4/15	24/15	30/15	30/15
	MPR(dB)	0	0	0.5	0.5
HSDPA Specific Settings	DACK	8			
	DNAK	8			
	DCQI	8			
	Ack-Nack repetition factor	3			
	CQI Feedback	4ms			
	CQI Repetition Factor	2			
	Ahs=βhs/ βc	30/15			

HSUPA

The following tests were conducted according to the test requirements outlines in section 5.2 of the 3GPP TS34.121-1 specification.

	Mode	HSUPA	HSUPA	HSUPA	HSUPA	HSUPA
	Subset	1	2	3	4	5
WCDMA General Settings	Loopback Mode	Test Mode 1				
	Rel99 RMC	12.2kbps RMC				
	HSDPA FRC	H-Set1				
	HSUPA Test	HSUPA Loopback				
	Power Control Algorithm	Algorithm2				
	βc	11/15	6/15	15/15	2/15	15/15
	βd	15/15	15/15	9/15	15/15	0
	βec	209/225	12/15	30/15	2/15	5/15
	βc/βd	11/15	6/15	15/9	2/15	-
	βhs	22/15	12/15	30/15	4/15	5/15
	CM(dB)	1.0	3.0	2.0	3.0	1.0
	MPR(dB)	0	2	1	2	0
HSDPA Specific Settings	DACK	8				
	DNAK	8				
	DCQI	8				
	Ack-Nack repetition factor	3				
	CQI Feedback	4ms				
	CQI Repetition Factor	2				
	Ahs=βhs/ βc	30/15				
HSUPA Specific Settings	DE-DPCCH	6	8	8	5	7
	DHARQ	0	0	0	0	0
	AG Index	20	12	15	17	21
	ETFCI	75	67	92	71	81
	Associated Max UL Data Rate kbps	242.1	174.9	482.8	205.8	308.9
	Reference E_FCIs	E-TFCI 11 E E-TFCI PO 4 E-TFCI 67 E-TFCI PO 18 E-TFCI 71 E-TFCI PO23 E-TFCI 75 E-TFCI PO26 E-TFCI 81 E-TFCI PO 27		E-TFCI 11 E-TFCI PO4 E-TFCI 92 E-TFCI PO 18	E-TFCI 11 E E-TFCI PO 4 E-TFCI 67 E-TFCI PO 18 E-TFCI 71 E-TFCI PO23 E-TFCI 75 E-TFCI PO26 E-TFCI 81 E-TFCI PO 27	

HSPA+

Sub-test	β_c (Note3)	β_d	β_{HS} (Note1)	β_{ec}	β_{ed} (2xSF2) (Note 4)	β_{ed} (2xSF4) (Note 4)	CM (dB) (Note 2)	MPR (dB) (Note 2)	AG Index (Note 4)	E-TFCI (Note 5)	E-TFCI (bcost)
1	1	0	30/15	30/15	β_{ed}1: 30/15 β_{ed}2: 30/15	β_{ed}3: 24/15 β_{ed}1: 24/15	3.5	2.5	14	105	105

Note 1: Δ_{ACK}, Δ_{NACK} and Δ_{CQI} = 30/15 with β_{hs} = 30/15 * β_c.
Note 2: CM = 3.5 and the MPR is based on the relative CM difference, MPR = MAX(CM 1,0).
Note 3: DPDCH is not configured, therefore the β_c is set to 1 and β_d = 0 by default.
Note 4: β_{ed} can not be set directly; it is set by Absolute Grant Value.
Note 5: All the sub-tests require the UE to transmit 2SF2+2SF4 16QAM EDCH and they apply for UE using E-DPDCH category 7. E-DCH TTI is set to 2ms TTI and E-DCH table index = 2. To support these E-DCH configurations DPDCH is not allocated. The UE is signalled to use the extrapolation algorithm.

The following tests were conducted according to the test requirements in Table C.11.1.4 of 3GPP TS 34.121-1

LTE

For UE Power Class 1 and 3, the allowed Maximum Power Reduction (MPR) for the maximum output power in Table6.2.2-1due to higher order modulation and transmit bandwidth configuration (resource blocks) is specified in Table6.2.3-1.

Table 6.2.3-1: Maximum Power Reduction (MPR) for Power Class 1 and 3

Modulation	Channel bandwidth / Transmission bandwidth (N_{RB})						MPR (dB)
	1.4 MHz	3.0 MHz	5 MHz	10 MHz	15 MHz	20 MHz	
QPSK	> 5	> 4	> 8	> 12	> 16	> 18	≤ 1
16 QAM	≤ 5	≤ 4	≤ 8	≤ 12	≤ 16	≤ 18	≤ 1
16 QAM	> 5	> 4	> 8	> 12	> 16	> 18	≤ 2

For UE Power Class 1 and 3 the specific requirements and identified subclauses are specified in Table 6.2.4-1 along with the allowed A-MPR values that may be used to meet these requirements. The allowed A-MPR values specified below in Table 6.2.4.-1 to 6.2.4-15 are in addition to the allowed MPR requirements specified in subclause

Table 6.2.4-1: Additional Maximum Power Reduction (A-MPR)

Network Signalling value	Requirements (subclause)	E-UTRA Band	Channel bandwidth (MHz)	Resources Blocks (N_{RB})	A-MPR (dB)
NS_01	6.6.2.1.1	Table 5.5-1	1.4, 3, 5, 10, 15, 20	Table 5.6-1	N/A
NS_03	6.6.2.2.1	2, 4,10, 23, 25, 35, 36	3	>5	≤ 1
			5	>6	≤ 1
			10	>6	≤ 1
			15	>8	≤ 1
			20	>10	≤ 1
NS_04	6.6.2.2.2	41	5	>6	≤ 1
			10, 15, 20	Table 6.2.4-4	
NS_05	6.6.3.3.1	1	10,15,20	≥ 50	≤ 1
NS_06	6.6.2.2.3	12, 13, 14, 17	1.4, 3, 5, 10	Table 5.6-1	N/A
NS_07	6.6.2.2.3 6.6.3.3.2	13	10	Table 6.2.4-2	
NS_08	6.6.3.3.3	19	10, 15	> 44	≤ 3
NS_09	6.6.3.3.4	21	10, 15	> 40	≤ 1
				> 55	≤ 2
NS_10		20	15, 20	Table 6.2.4-3	
NS_11	6.6.2.2.1	23	1.4, 3, 5, 10, 15, 20	Table 6.2.4-5	
NS_12	6.6.3.3.5	26	1.4, 3, 5	Table 6.2.4-6	
NS_13	6.6.3.3.6	26	5	Table 6.2.4-7	
NS_14	6.6.3.3.7	26	10, 15	Table 6.2.4-8	
NS_15	6.6.3.3.8	26	1.4, 3, 5, 10, 15	Table 6.2.4-9 Table 6.2.4-10	
NS_16	6.6.3.3.9	27	3, 5, 10	Table 6.2.4-11, Table 6.2.4-12, Table 6.2.4-13	
NS_17	6.6.3.3.10	28	5, 10	Table 5.6-1	N/A
NS_18	6.6.3.3.11	28	5	≥ 2	≤ 1
			10, 15, 20	≥ 1	≤ 4
NS_19	6.6.3.3.12	44	10, 15, 20	Table 6.2.4-14	
NS_20	6.2.2 6.6.2.2.1 6.6.3.2	23	5, 10, 15, 20	Table 6.2.4-15	
...					
NS_32	-	-	-	-	-

Wi-Fi

For 802.11b, 802.11g and 802.11n-HT20 mode, 11 channels are provided to testing:

Channel	Frequency (MHz)	Channel	Frequency (MHz)
1	2412	8	2447
2	2417	9	2452
3	2422	10	2457
4	2427	11	2462
5	2432	/	/
6	2437	/	/
7	2442	/	/

For 802.11b, 802.11g, 802.11n-HT20 mode, EUT was tested with Channel 1, 6 and 11

For 802.11n-HT40 mode, 7 channels are provided to testing:

Channel	Frequency (MHz)	Channel	Frequency (MHz)
1	2422	6	2447
2	2427	7	2452
3	2432	/	/
4	2437	/	/
5	2442	/	/

Maximum Target Output Power

Max Target Power(dBm)			
Mode/Band	Channel		
	Low	Middle	High
GSM850	33.8	33.4	33.7
GPRS 4 TX Slot	27.7	27.7	27.5
PCS1900	30.4	30.6	30.7
GPRS 4 TX Slot	24.9	24.9	24.4
WCDMA Band 2	22.7	22.4	22.6
WCDMA Band 5	22.6	22.6	22.4
LTE FDD Band 2	21.7	23.0	22.0
LTE FDD Band 4	21.7	20.8	22.7
LTE FDD Band 5	21.6	22.9	21.6
LTE FDD Band 7	22.7	22.8	22.0
LTE FDD Band 12	22.0	22.9	22.4
LTE FDD Band 17	22.2	22.7	22.5
LTE FDD Band 25	21.9	22.6	21.9
LTE FDD Band 26	21.3	22.4	21.7
LTE FDD Band 66	22.7	22.9	22.7
LTE TDD Band 38	22.0	22.4	22.0
LTE TDD Band 41	22.4	22.7	22.1
WLAN(2.4G)	19.3	19.4	19.2
WLAN(5.2G)	13.6	14.5	13.3
WLAN(5.8G)	11.2	12.3	10.3
Bluetooth BDR/EDR	10.7	10.1	10.4
BLE(1Mbps)	4	4	3
BLE(2Mbps)	4	4	3

Test Results:

GSM

Band	Channel No.	Frequency (MHz)	Conducted Output Power(dBm)
GSM850	128	824.2	**33.56**
	190	836.6	33.21
	251	848.8	33.48
PCS1900	512	1850.2	30.17
	661	1880	30.42
	810	1909.8	30.51

GPRS

Mode	Channel No.	Frequency (MHz)	RF Output Power (dBm)			
			1 slot	2 slots	3 slots	4 slots
GSM850	128	824.2	**33.56**	32.51	31.58	30.48
	190	836.6	33.22	32.09	31.32	30.52
	251	848.8	33.49	32.25	31.53	30.25
PCS1900	512	1850.2	30.16	29.17	28.12	27.66
	661	1880	30.39	29.43	28.56	27.65
	810	1909.8	30.48	29.01	28.43	27.23

EGPRS

Mode	Channel No.	Frequency (MHz)	RF Output Power (dBm)			
			1 slot	2 slots	3 slots	4 slots
GSM850	128	824.2	**28.49**	27.83	26.92	25.25
	190	836.6	28.26	27.04	26.23	25.51
	251	848.8	28.23	27.71	26.18	25.54
PCS1900	512	1850.2	26.05	25.09	24.73	23.01
	661	1880	26.23	25.42	24.48	23.36
	810	1909.8	26.14	25.89	24.28	23.55

For SAR, the time based average power is relevant, the difference in between depends on the duty cycle of the TDMA signal.

Number of Time slot	1	2	3	4
Duty Cycle	1:8	1:4	1:2.66	1:2
Time based Ave. power compared to slotted Ave. power	-9 dB	-6 dB	-4.25 dB	-3 dB
Crest Factor	8	4	2.66	2

The time based average power for GPRS

Band	Channel No.	Frequency (MHz)	Time based average Power (dBm)			
			1 slot	2 slots	3 slots	4 slots
GSM850	128	824.2	24.56	26.51	27.33	27.48
	190	836.6	24.22	26.09	27.07	**27.52**
	251	848.8	24.49	26.25	27.28	27.25
PCS1900	512	1850.2	21.16	23.17	23.87	**24.66**
	661	1880	21.39	23.43	24.31	24.65
	810	1909.8	21.48	23.01	24.18	24.23

The time based average power for EGPRS

Band	Channel No.	Frequency (MHz)	Time based average Power (dBm)			
			1 slot	2 slots	3 slots	4 slots
GSM850	128	824.2	19.49	21.83	**22.67**	22.25
	190	836.6	19.26	21.04	21.98	22.51
	251	848.8	19.23	21.71	21.93	22.54
PCS1900	512	1850.2	17.05	19.09	20.48	20.01
	661	1880	17.23	19.42	20.23	20.36
	810	1909.8	17.14	19.89	20.03	**20.55**

Note:

1. For GPRS, 1 and 2 timeslots has been activated separately with power control level 3(900 MHz band) and 3(1800 MHz band).
2. For EGPRS, 1 and 2 timeslots has been activated separately with power control level 6(900 MHz band) and 5(1800 MHz band).

WCDMA Band 2

Mode	Test Condition	Test Mode	3GPP Sub Test	Average Output Power (dBm)		
				Low Frequency	Middle Frequency	High Frequency
WCDMA (Band II)	Normal	RMC12.2Kbps	1	**22.51**	22.17	22.41
		HSDPA	1	22.32	22.08	22.05
			2	22.16	22.11	22.19
			3	22.22	22.13	22.22
			4	22.34	22.05	22.06
		HSUPA	1	22.30	22.02	22.07
			2	22.38	22.04	22.14
			3	22.20	22.02	22.17
			4	22.22	22.17	22.12
			5	22.18	22.01	22.10
		HSPA+	1	22.15	21.91	22.18

WCDMA Band 5

Mode	Test Condition	Test Mode	3GPP Sub Test	Average Output Power (dBm)		
				Low Frequency	Middle Frequency	High Frequency
WCDMA (Band V)	Normal	RMC12.2Kbps	1	22.36	**22.39**	22.22
		HSDPA	1	22.03	21.93	22.16
			2	22.09	21.96	22.27
			3	22.02	22.03	22.18
			4	21.96	22.04	22.01
		HSUPA	1	22.03	22.12	22.25
			2	22.06	21.98	22.13
			3	22.09	22.08	22.23
			4	22.14	22.01	22.22
			5	22.15	22.13	22.17
		HSPA+	1	22.07	22.12	22.13

Note:

The default test configuration is to measure SAR with an established radio link between the EUT and a communication test set using a 12.2 kbps RMC (reference measurement Channel) Configured in Test Loop Model 1.

LTE :

LTE FDD Band 2

Test Bandwidth	Test Modulation	Resource Block & RB offset	Low Channel (dBm)	Middle Channel (dBm)	High Channel (dBm)
1.4M	QPSK	1#0	21.62	21.61	21.82
		1#3	21.65	21.66	21.75
		1#5	21.66	21.61	21.7
		3#0	21.76	21.67	21.71
		3#1	21.71	21.72	21.67
		3#3	21.67	21.77	21.69
		6#0	21.73	21.74	21.79
	16-QAM	1#0	21.78	21.7	21.8
		1#3	21.79	21.66	21.73
		1#5	21.71	21.73	21.77
		3#0	21.76	21.79	21.84
		3#1	21.72	21.69	21.92
		3#3	21.63	21.67	21.93
		6#0	21.53	21.65	21.92
3M	QPSK	1#0	21.49	21.57	22.02
		1#7	21.47	21.52	22.11
		1#14	21.46	21.67	22.22
		8#0	21.32	21.68	22.14
		8#4	21.32	21.77	22.15
		8#7	21.39	21.72	22.15
		15#0	21.38	21.78	22.21
	16-QAM	1#0	21.34	21.76	22.21
		1#7	21.27	21.81	22.27
		1#14	21.26	21.71	22.22
		8#0	21.23	21.79	22.21
		8#4	21.28	21.78	22.32
		8#7	21.29	21.83	22.21
		15#0	21.35	21.88	22.18

5M	QPSK	1#0	21.27	21.96	22.11
		1#12	21.12	21.98	22.03
		1#24	21.17	22.04	22.03
		12#0	21.13	22.03	21.96
		12#6	21.22	21.96	21.88
		12#11	21.31	21.93	21.92
		25#0	21.29	21.97	22.02
	16-QAM	1#0	21.27	21.99	22.01
		1#12	21.19	22.11	22.06
		1#24	21.16	22.02	21.96
		12#0	21.17	22.12	21.89
		12#6	21.13	22.02	21.77
		12#11	21.19	22.04	21.76
		25#0	21.21	21.98	21.78
10M	QPSK	1#0	21.15	22.12	21.77
		1#24	21.18	22.07	21.77
		1#49	21.16	22.14	21.68
		25#0	21.12	22.17	21.62
		25#12	21.15	22.19	21.68
		25#24	21.19	22.17	21.62
		50#0	21.23	22.17	21.71
	16-QAM	1#0	21.18	22.19	21.73
		1#24	21.14	22.31	21.71
		1#49	21.17	22.38	21.82
		25#0	21.04	22.47	21.78
		25#12	20.99	22.42	21.68
		25#24	21.08	22.35	21.68
		50#0	21.06	22.42	21.73

15M	QPSK	1#0	21.11	22.31	21.72
		1#24	21.15	22.32	21.72
		1#49	21.26	22.32	21.73
		25#0	21.26	22.42	21.72
		25#12	21.33	22.37	21.65
		25#24	21.36	22.47	21.69
		50#0	21.47	22.48	21.58
	16-QAM	1#0	21.54	22.41	21.63
		1#24	21.62	22.54	21.66
		1#49	21.58	22.51	21.72
		25#0	21.54	22.49	21.68
		25#12	21.58	22.56	21.66
		25#24	21.51	22.52	21.79
		50#0	21.47	22.64	21.79
20M	QPSK	1#0	21.51	**22.83**	21.76
		1#24	21.51	22.59	21.75
		1#49	21.39	22.62	21.71
		25#0	21.33	22.63	21.68
		25#12	21.37	22.61	21.78
		25#24	21.45	22.62	21.73
		50#0	21.49	22.67	21.72
	16-QAM	1#0	21.64	22.76	21.73
		1#24	21.65	22.61	21.71
		1#49	21.63	22.74	21.85
		25#0	21.54	22.73	21.86
		25#12	21.52	22.79	21.97
		25#24	21.52	22.69	22.04
		50#0	21.39	22.71	21.96

LTE FDD Band 4

Test Bandwidth	Test Modulation	Resource Block & RB offset	Low Channel (dBm)	Middle Channel (dBm)	High Channel (dBm)
1.4M	QPSK	1#0	21.59	21.67	21.83
		1#3	21.95	21.77	22.05
		1#5	21.82	21.79	21.98
		3#0	21.79	21.86	22.08
		3#1	21.76	21.91	22.12
		3#3	21.78	21.98	22.07
		6#0	21.82	21.94	22.19
	16-QAM	1#0	21.74	21.91	22.21
		1#3	21.69	21.93	22.21
		1#5	21.74	21.86	22.17
		3#0	21.78	21.81	22.18
		3#1	21.65	21.83	22.12
		3#3	21.56	21.71	22.05
		6#0	21.59	21.61	22.13
3M	QPSK	1#0	21.57	21.48	22.08
		1#7	21.64	21.44	22.09
		1#14	21.59	21.39	22.14
		8#0	21.68	21.39	22.12
		8#4	21.72	21.33	22.21
		8#7	21.73	21.23	22.27
		15#0	21.68	21.16	22.39
	16-QAM	1#0	21.77	21.16	22.42
		1#7	21.71	21.14	22.37
		1#14	21.72	21.13	22.43
		8#0	21.85	21.12	22.41
		8#4	21.88	21.19	22.48
		8#7	21.87	21.09	22.46
		15#0	21.92	21.13	22.51

5M	QPSK	1#0	21.92	21.15	22.41
		1#12	21.87	21.13	22.31
		1#24	21.89	21.11	22.39
		12#0	21.99	21.08	22.52
		12#6	21.93	20.97	22.53
		12#11	21.84	21.01	22.41
		25#0	21.89	21.01	22.48
	16-QAM	1#0	21.82	21.01	22.39
		1#12	21.81	21.05	22.39
		1#24	21.91	20.93	22.39
		12#0	21.89	20.88	22.34
		12#6	21.89	20.85	22.41
		12#11	21.89	20.92	22.46
		25#0	21.92	20.94	22.45
10M	QPSK	1#0	21.89	21.03	22.49
		1#24	21.88	20.95	22.39
		1#49	21.93	21.01	22.29
		25#0	22.04	20.94	22.31
		25#12	21.99	20.82	22.29
		25#24	21.91	20.87	22.28
		50#0	21.95	20.95	22.23
	16-QAM	1#0	21.93	20.88	22.32
		1#24	21.93	20.76	22.39
		1#49	21.91	20.78	22.34
		25#0	22.03	20.79	22.42
		25#12	22.04	20.89	22.49
		25#24	21.98	21.03	22.43
		50#0	21.95	20.93	22.54

15M	QPSK	1#0	21.92	20.88	22.61
		1#24	21.94	20.83	22.61
		1#49	21.88	20.79	22.73
		25#0	21.72	20.71	22.74
		25#12	21.71	20.69	22.67
		25#24	21.68	20.67	22.64
		50#0	21.62	20.66	22.61
	16-QAM	1#0	21.67	20.68	22.64
		1#24	21.64	20.73	22.79
		1#49	21.55	20.73	22.66
		25#0	21.55	20.76	22.66
		25#12	21.58	20.65	22.65
		25#24	21.49	20.56	22.56
		50#0	21.41	20.61	22.49
20M	QPSK	1#0	21.46	20.61	22.52
		1#24	21.43	20.63	22.53
		1#49	21.41	20.53	22.57
		25#0	21.45	20.51	22.68
		25#12	21.42	20.54	22.69
		25#24	21.44	20.61	22.71
		50#0	21.45	20.59	22.72
	16-QAM	1#0	21.46	20.57	22.59
		1#24	21.47	20.61	22.67
		1#49	21.57	20.62	22.70
		25#0	21.64	20.48	22.75
		25#12	21.58	20.47	22.75
		25#24	21.48	20.45	**22.77**
		50#0	21.46	20.38	22.71

LTE FDD Band 5

Test Bandwidth	Test Modulation	Resource Block & RB offset	Low Channel (dBm)	Middle Channel (dBm)	High Channel (dBm)
1.4M	QPSK	1#0	21.96	21.89	21.66
		1#3	21.97	21.98	21.32
		1#5	21.87	21.87	21.31
		3#0	21.93	21.93	21.36
		3#1	21.87	22.03	21.44
		3#3	21.78	22.07	21.44
		6#0	21.73	22.04	21.43
	16-QAM	1#0	21.7	22.04	21.35
		1#3	21.71	22.04	21.26
		1#5	21.72	22.08	21.32
		3#0	21.77	21.98	21.24
		3#1	21.65	21.94	21.24
		3#3	21.69	22.01	21.22
		6#0	21.62	22.11	21.19
3M	QPSK	1#0	21.72	22.02	21.12
		1#7	21.62	22.05	21.18
		1#14	21.63	22.05	21.17
		8#0	21.73	21.99	21.18
		8#4	21.66	22.09	21.23
		8#7	21.69	21.96	21.23
		15#0	21.69	21.93	21.29
	16-QAM	1#0	21.68	22.03	21.26
		1#7	21.69	22.04	21.24
		1#14	21.66	22.04	21.17
		8#0	21.57	22.13	21.16
		8#4	21.55	22.09	21.03
		8#7	21.47	22.14	21.12
		15#0	21.49	22.16	21.09

5M	QPSK	1#0	21.46	22.21	21.07
		1#12	21.45	22.24	21.16
		1#24	21.49	22.18	21.13
		12#0	21.42	22.29	21.06
		12#6	21.39	22.32	21.08
		12#11	21.33	22.32	21.18
		25#0	21.28	22.36	21.25
	16-QAM	1#0	21.32	22.33	21.19
		1#12	21.23	22.33	21.15
		1#24	21.28	22.32	21.23
		12#0	21.29	22.24	21.24
		12#6	21.31	22.24	21.22
		12#11	21.32	22.15	21.28
		25#0	21.37	22.14	21.3
10M	QPSK	1#0	21.42	**22.68**	21.36
		1#24	21.36	22.43	21.32
		1#49	21.32	22.42	21.4
		25#0	21.22	22.51	21.41
		25#12	21.21	22.42	21.41
		25#24	21.15	22.41	21.38
		50#0	21.22	22.41	21.43
	16-QAM	1#0	21.26	22.47	21.45
		1#24	21.31	22.52	21.43
		1#49	21.29	22.61	21.3
		25#0	21.24	22.26	21.35
		25#12	21.27	22.63	21.33
		25#24	21.28	22.66	21.23
		50#0	21.29	22.67	21.14

LTE FDD Band 7

Test Bandwidth	Test Modulation	Resource Block & RB offset	Low Channel (dBm)	Middle Channel (dBm)	High Channel (dBm)
5M	QPSK	1#0	21.77	21.72	21.87
		1#3	21.89	21.74	21.92
		1#5	22.03	21.68	21.86
		3#0	22.02	21.57	21.89
		3#1	22.06	21.55	21.82
		3#3	22.01	21.58	21.86
		6#0	22.04	21.62	21.84
	16-QAM	1#0	22.12	21.61	21.82
		1#3	22.09	21.66	21.74
		1#5	22.11	21.66	21.77
		3#0	22.05	21.66	21.79
		3#1	22.02	21.74	21.72
		3#3	22.07	21.75	21.72
		6#0	22.13	21.84	21.73
10M	QPSK	1#0	22.05	21.93	21.82
		1#7	22.19	21.87	21.8
		1#14	22.17	21.85	21.76
		8#0	22.19	21.82	21.78
		8#4	22.17	21.84	21.73
		8#7	22.16	21.93	21.77
		15#0	22.19	22.04	21.68
	16-QAM	1#0	22.06	22.09	21.62
		1#7	22.13	22.03	21.55
		1#14	22.11	22.12	21.63
		8#0	22.12	22.09	21.57
		8#4	22.12	22.07	21.62
		8#7	22.13	22.12	21.63
		15#0	22.19	22.18	21.57

15M	QPSK	1#0	22.23	22.12	21.55
		1#12	22.31	22.21	21.68
		1#24	22.27	22.14	21.83
		12#0	22.29	22.15	21.85
		12#6	22.39	22.22	21.83
		12#11	22.45	22.26	21.79
		25#0	22.44	22.18	21.8
	16-QAM	1#0	22.39	22.19	21.93
		1#12	22.31	22.23	21.79
		1#24	22.42	22.24	21.82
		12#0	22.47	22.23	21.76
		12#6	22.47	22.23	21.75
		12#11	22.53	22.3	21.81
		25#0	22.35	22.29	21.79
20M	QPSK	1#0	22.53	**22.6**	21.78
		1#24	22.59	22.34	21.76
		1#49	22.57	22.43	21.71
		25#0	22.56	22.43	21.74
		25#12	22.52	22.34	21.74
		25#24	22.59	22.37	21.79
		50#0	22.56	22.41	21.72
	16-QAM	1#0	22.52	22.32	21.76
		1#24	22.54	22.36	21.68
		1#49	22.47	22.39	21.6
		25#0	22.48	22.37	21.62
		25#12	22.45	22.27	21.52
		25#24	22.49	22.27	21.55
		50#0	22.49	22.2	21.56

LTE FDD Band 12

Test Bandwidth	Test Modulation	Resource Block & RB offset	Low Channel (dBm)	Middle Channel (dBm)	High Channel (dBm)
1.4M	QPSK	1#0	21.88	22.05	21.79
		1#3	21.96	22.02	21.79
		1#5	21.95	22.06	21.78
		3#0	21.99	22.05	21.8
		3#1	22.02	21.97	21.78
		3#3	22.02	22.06	21.75
		6#0	21.93	22.12	21.72
	16-QAM	1#0	21.82	22.09	21.78
		1#3	21.85	22.02	21.84
		1#5	21.92	21.97	21.81
		3#0	21.79	21.92	21.76
		3#1	21.75	21.88	21.78
		3#3	21.84	21.96	21.72
		6#0	21.93	22.03	21.78
3M	QPSK	1#0	21.97	22.09	21.74
		1#7	21.93	22.1	21.79
		1#14	21.97	22.13	21.78
		8#0	21.87	22.01	21.88
		8#4	21.93	21.96	21.96
		8#7	21.99	22.06	22.04
		15#0	21.91	22.09	22.06
	16-QAM	1#0	22.03	22.08	22.11
		1#7	22.11	22.18	22.09
		1#14	22.04	22.08	22.05
		8#0	22.01	22.02	22.01
		8#4	22.01	22.07	22.06
		8#7	22.03	22.11	22.13
		15#0	22.03	22.02	22.16

5M	QPSK	1#0	22.05	22.12	22.14
		1#12	22.04	22.11	22.18
		1#24	21.95	22.19	22.16
		12#0	21.97	22.21	22.21
		12#6	22.01	22.16	22.21
		12#11	21.98	22.19	22.24
		25#0	21.99	22.21	22.28
	16-QAM	1#0	21.88	22.29	22.32
		1#12	21.88	22.28	22.22
		1#24	21.78	22.39	22.13
		12#0	21.78	22.44	22.14
		12#6	21.78	22.49	22.21
		12#11	21.79	22.48	22.21
		25#0	21.74	22.54	22.24
10M	QPSK	1#0	21.76	**22.65**	22.15
		1#24	21.72	22.48	22.18
		1#49	21.63	22.41	22.23
		25#0	21.74	22.47	22.33
		25#12	21.72	22.57	22.34
		25#24	21.64	22.55	22.33
		50#0	21.56	22.51	22.27
	16-QAM	1#0	21.52	22.49	22.29
		1#24	21.45	22.46	22.26
		1#49	21.48	22.61	22.33
		25#0	21.52	22.59	22.36
		25#12	21.43	22.54	22.34
		25#24	21.32	22.55	22.27
		50#0	21.28	22.53	22.29

LTE FDD Band 17

Test Bandwidth	Test Modulation	Resource Block & RB offset	Low Channel (dBm)	Middle Channel (dBm)	High Channel (dBm)
5M	QPSK	1#0	21.77	21.83	21.76
		1#12	21.82	21.83	21.82
		1#24	21.78	21.76	21.8
		12#0	21.75	21.87	21.87
		12#6	21.85	21.79	21.86
		12#11	21.84	21.84	21.96
		25#0	21.82	21.82	21.87
	16-QAM	1#0	21.87	21.86	21.96
		1#12	21.86	21.94	21.85
		1#24	21.92	21.9	21.95
		12#0	21.76	21.9	22.02
		12#6	21.79	21.96	22.03
		12#11	21.8	21.99	22.15
		25#0	21.89	22.04	22.27
10M	QPSK	1#0	21.97	22.49	22.25
		1#24	22.02	21.86	22.28
		1#49	22.09	21.91	22.28
		25#0	22.14	21.92	22.32
		25#12	22.19	21.95	22.41
		25#24	22.26	21.93	22.02
		50#0	22.32	21.87	22.43
	16-QAM	1#0	22.36	22.01	22.46
		1#24	22.44	22.01	**22.51**
		1#49	22.44	22.02	22.41
		25#0	22.39	22.12	22.42
		25#12	22.28	21.99	22.38
		25#24	22.31	22.06	22.39
		50#0	22.23	22.03	22.43

LTE FDD Band 25

Test Bandwidth	Test Modulation	Resource Block & RB offset	Low Channel (dBm)	Middle Channel (dBm)	High Channel (dBm)
1.4M	QPSK	1#0	21.65	21.74	21.76
		1#3	21.51	21.72	21.88
		1#5	21.47	21.69	21.99
		3#0	21.5	21.64	22.01
		3#1	21.52	21.66	22.02
		3#3	21.56	21.72	22.15
		6#0	21.53	21.72	22.08
	16-QAM	1#0	21.54	21.71	22.14
		1#3	21.63	21.78	22.08
		1#5	21.68	21.74	22.09
		3#0	21.68	21.65	22.05
		3#1	21.77	21.62	22.03
		3#3	21.84	21.61	22.08
		6#0	21.92	21.65	22.08
3M	QPSK	1#0	22.02	21.64	22.09
		1#7	22.11	21.67	22.07
		1#14	22.17	21.67	22.06
		8#0	22.25	21.66	22.12
		8#4	22.19	21.59	22.09
		8#7	22.06	21.72	22.17
		15#0	22.04	21.68	22.11
	16-QAM	1#0	22.05	21.69	22.12
		1#7	22.04	21.76	22.21
		1#14	21.96	21.72	22.13
		8#0	21.82	21.78	22.14
		8#4	21.81	21.84	22.15
		8#7	21.77	21.79	22.12
		15#0	21.87	21.65	22.09

5M	QPSK	1#0	21.93	21.58	22.16
		1#12	21.89	21.54	22.08
		1#24	21.88	21.59	22.14
		12#0	21.94	21.62	22.25
		12#6	21.86	21.64	22.29
		12#11	21.72	21.64	22.36
		25#0	21.75	21.58	22.27
	16-QAM	1#0	21.79	21.58	22.26
		1#12	21.71	21.58	22.27
		1#24	21.78	21.53	22.37
		12#0	21.69	21.59	22.32
		12#6	21.65	21.64	21.39
		12#11	21.66	21.73	22.28
		25#0	21.71	21.75	22.32
10M	QPSK	1#0	21.71	21.79	22.23
		1#24	21.81	21.86	22.13
		1#49	21.84	21.97	22.14
		25#0	21.84	21.89	22.18
		25#12	21.82	21.89	22.21
		25#24	21.91	21.83	22.16
		50#0	21.97	21.94	22.02
	16-QAM	1#0	22.09	21.91	21.93
		1#24	22.03	21.88	21.85
		1#49	22.12	21.91	21.91
		25#0	22.09	21.87	21.77
		25#12	22.09	21.88	21.82
		25#24	22.05	21.77	21.67
		50#0	21.97	21.81	21.69

15M	QPSK	1#0	21.91	21.73	21.73
		1#24	21.81	21.79	21.78
		1#49	21.91	21.77	21.71
		25#0	21.92	21.68	21.68
		25#12	21.78	21.59	21.81
		25#24	21.81	21.51	21.88
		50#0	21.76	21.46	21.91
	16-QAM	1#0	21.79	21.38	21.98
		1#24	21.73	21.49	22.01
		1#49	21.82	21.46	21.98
		25#0	21.79	21.52	21.99
		25#12	21.83	21.46	21.95
		25#24	21.83	21.49	21.83
		50#0	21.83	21.39	21.77
20M	QPSK	1#0	21.74	**22.39**	21.68
		1#24	21.63	21.47	21.71
		1#49	21.67	21.47	21.67
		25#0	21.75	21.41	21.82
		25#12	21.76	21.37	21.82
		25#24	21.87	21.37	21.74
		50#0	21.99	21.36	21.66
	16-QAM	1#0	21.99	21.29	21.63
		1#24	22.01	21.25	21.54
		1#49	22.06	21.21	21.59
		25#0	22.03	21.11	21.53
		25#12	22.13	21.08	21.61
		25#24	22.06	21.11	21.64
		50#0	22.12	20.99	21.63

LTE FDD Band 26

Test Bandwidth	Test Modulation	Resource Block & RB offset	Low Channel (dBm)	Middle Channel (dBm)	High Channel (dBm)
1.4M	QPSK	1#0	21.62	21.72	21.81
		1#3	21.69	21.73	21.73
		1#5	21.61	21.69	21.8
		3#0	21.62	21.82	21.87
		3#1	21.61	21.72	21.89
		3#3	21.59	21.71	21.89
		6#0	21.54	21.64	21.94
	16-QAM	1#0	21.57	21.68	22.01
		1#3	21.68	21.66	21.92
		1#5	21.54	21.68	21.82
		3#0	21.45	21.71	21.79
		3#1	21.48	21.72	21.78
		3#3	21.43	21.77	21.84
		6#0	21.43	21.89	21.77
3M	QPSK	1#0	21.43	21.97	21.67
		1#7	21.41	22.01	21.57
		1#14	21.46	22.02	21.56
		8#0	21.46	22.03	21.43
		8#4	21.32	22.01	21.48
		8#7	21.37	22.13	21.45
		15#0	21.37	22.17	21.55
	16-QAM	1#0	21.28	22.16	21.53
		1#7	21.27	21.98	21.63
		1#14	21.24	22.12	21.62
		8#0	21.23	22.11	21.56
		8#4	21.29	22.06	21.62
		8#7	21.35	22.06	21.69
		15#0	21.42	21.99	21.73

5M	QPSK	1#0	21.36	22.05	21.79
		1#12	21.34	22.01	21.84
		1#24	21.42	21.99	21.79
		12#0	21.46	22.05	21.72
		12#6	21.34	21.94	21.78
		12#11	21.31	21.95	21.9
		25#0	21.38	21.92	21.95
	16-QAM	1#0	21.46	21.93	21.99
		1#12	21.58	22.02	21.91
		1#24	21.52	21.98	21.96
		12#0	21.62	22.06	21.94
		12#6	21.63	22.03	21.88
		12#11	21.51	21.95	21.83
		25#0	21.38	22.07	21.77
10M	QPSK	1#0	21.42	22.01	21.72
		1#24	21.33	22.04	21.73
		1#49	21.28	22.02	21.62
		25#0	21.31	21.99	21.58
		25#12	21.33	22.09	21.58
		25#24	21.31	22.06	21.64
		50#0	21.22	22.06	21.58
	16-QAM	1#0	21.12	22.04	21.63
		1#24	21.08	22.13	21.51
		1#49	21.01	22.09	21.41
		25#0	21.03	21.96	21.47
		25#12	21.09	21.95	21.43
		25#24	21.04	21.92	21.44
		50#0	21.01	21.93	21.46

15M	QPSK	1#0	21.07	**22.23**	21.49
		1#24	20.93	22.09	21.56
		1#49	21.09	21.98	21.49
		25#0	21.06	21.95	21.46
		25#12	21.06	21.91	21.45
		25#24	21.01	21.97	21.46
		50#0	21.05	21.94	21.45
	16-QAM	1#0	21.13	21.99	21.43
		1#24	21.12	21.98	21.41
		1#49	21.04	22.01	21.41
		25#0	20.99	21.99	21.42
		25#12	20.92	21.93	21.52
		25#24	20.77	21.91	21.52
		50#0	20.85	21.87	21.45

LTE FDD Band 66

Test Bandwidth	Test Modulation	Resource Block & RB offset	Low Channel (dBm)	Middle Channel (dBm)	High Channel (dBm)
1.4M	QPSK	1#0	21.92	21.84	21.78
		1#3	21.94	21.9	21.78
		1#5	21.85	22.11	21.81
		3#0	21.81	22.09	21.82
		3#1	21.82	22.07	21.87
		3#3	21.84	22.12	21.81
		6#0	21.91	22.01	21.73
	16-QAM	1#0	21.95	22.02	21.78
		1#3	22.05	22.05	21.76
		1#5	22.07	22.01	21.74
		3#0	21.99	22.03	21.74
		3#1	22.03	22.02	21.82
		3#3	22.01	22.11	21.77
		6#0	22.13	22.16	21.84
3M	QPSK	1#0	22.13	22.05	21.86
		1#7	22.11	22.06	21.88
		1#14	22.22	22.01	21.93
		8#0	22.31	22.03	22.03
		8#4	22.28	21.89	21.99
		8#7	22.33	21.83	21.95
		15#0	22.35	21.72	21.92
	16-QAM	1#0	22.45	21.81	22.01
		1#7	22.38	21.84	22.01
		1#14	22.26	21.85	22.03
		8#0	22.12	21.91	22.07
		8#4	22.13	21.94	22.14
		8#7	22.08	21.99	22.14
		15#0	22.02	22.14	22.17

5M	QPSK	1#0	22.05	22.06	22.15
		1#12	21.96	22.07	22.12
		1#24	21.92	22.02	22.12
		12#0	21.84	21.97	22.13
		12#6	21.81	22.06	22.26
		12#11	21.82	22.11	22.29
		25#0	21.87	22.06	22.23
	16-QAM	1#0	22.01	22.04	22.33
		1#12	22.07	22.03	22.32
		1#24	21.95	21.99	22.33
		12#0	21.93	22.07	22.24
		12#6	21.97	22.14	22.3
		12#11	21.92	22.22	22.36
		25#0	21.88	22.17	22.41
10M	QPSK	1#0	21.92	22.16	22.37
		1#24	21.87	22.12	22.32
		1#49	21.83	22.21	22.34
		25#0	21.86	22.29	22.37
		25#12	21.88	22.41	22.38
		25#24	21.95	22.37	22.36
		50#0	21.95	22.41	22.28
	16-QAM	1#0	21.99	22.51	22.36
		1#24	21.92	22.41	22.37
		1#49	22.05	22.53	22.34
		25#0	22.05	22.67	22.32
		25#12	22.06	22.34	22.33
		25#24	22.08	22.58	22.37
		50#0	22.19	22.52	22.42

15M	QPSK	1#0	22.18	22.55	22.4
		1#24	22.13	22.55	22.38
		1#49	22.19	22.48	22.31
		25#0	22.2	22.43	22.34
		25#12	22.33	22.42	22.31
		25#24	22.34	22.39	22.33
		50#0	22.33	22.42	22.33
	16-QAM	1#0	22.31	22.32	22.32
		1#24	22.32	22.43	22.29
		1#49	22.31	22.39	22.34
		25#0	22.38	22.41	22.33
		25#12	22.41	22.39	22.34
		25#24	22.43	22.34	22.38
		50#0	22.42	22.31	22.48
20M	QPSK	1#0	22.48	**22.68**	22.54
		1#24	22.44	22.25	22.47
		1#49	22.42	22.16	22.44
		25#0	22.32	22.23	22.41
		25#12	22.33	22.17	22.42
		25#24	22.33	22.19	22.41
		50#0	22.48	22.09	22.45
	16-QAM	1#0	22.47	21.99	22.43
		1#24	22.46	21.91	22.48
		1#49	22.58	21.96	22.51
		25#0	22.52	21.98	22.47
		25#12	22.44	21.96	22.51
		25#24	22.52	21.92	22.47
		50#0	22.48	21.89	22.53

LTE TDD Band 38

Test Bandwidth	Test Modulation	Resource Block & RB offset	Low Channel (dBm)	Middle Channel (dBm)	High Channel (dBm)
5M	QPSK	1#0	21.67	21.62	21.87
		1#3	21.69	21.52	21.77
		1#5	21.67	21.48	21.79
		3#0	21.63	21.51	21.87
		3#1	21.6	21.55	21.86
		3#3	21.64	21.48	21.84
		6#0	21.59	21.32	21.77
	16-QAM	1#0	21.58	21.28	21.73
		1#3	21.72	21.29	21.73
		1#5	21.67	21.25	21.82
		3#0	21.62	21.33	21.87
		3#1	21.66	21.34	21.98
		3#3	21.69	21.35	21.97
		6#0	21.74	21.41	21.86
10M	QPSK	1#0	21.76	21.49	21.88
		1#7	21.68	21.53	21.8
		1#14	21.66	21.58	21.76
		8#0	21.71	21.62	21.76
		8#4	21.69	21.61	21.79
		8#7	21.58	21.73	21.81
		15#0	21.59	21.65	21.86
	16-QAM	1#0	21.51	21.72	21.91
		1#7	21.47	21.66	21.88
		1#14	21.41	21.73	21.87
		8#0	21.48	21.74	21.76
		8#4	21.36	21.83	21.79
		8#7	21.38	21.84	21.82
		15#0	21.38	21.87	21.71

15M	QPSK	1#0	21.26	21.89	21.75
		1#12	21.31	21.94	21.69
		1#24	21.31	21.91	21.83
		12#0	21.27	21.92	21.82
		12#6	21.39	21.97	21.8
		12#11	21.47	21.98	21.78
		25#0	21.51	22.09	21.74
	16-QAM	1#0	21.54	22.15	21.86
		1#12	21.65	22.05	21.84
		1#24	21.71	22.14	21.84
		12#0	21.71	22.15	21.75
		12#6	21.75	22.17	21.71
		12#11	21.78	22.18	21.79
		25#0	21.79	22.13	21.89
20M	QPSK	1#0	21.78	**22.22**	21.84
		1#24	21.87	22.15	21.73
		1#49	21.84	22.21	21.74
		25#0	21.78	22.11	21.79
		25#12	21.67	22.18	21.82
		25#24	21.61	22.17	21.92
		50#0	21.56	22.14	21.86
	16-QAM	1#0	21.51	22.02	21.84
		1#24	21.61	21.99	21.77
		1#49	21.62	22.09	21.73
		25#0	21.55	22.05	21.61
		25#12	21.53	22.14	21.62
		25#24	21.51	22.12	21.65
		50#0	21.51	22.14	21.61

LTE TDD Band 41

Test Bandwidth	Test Modulation	Resource Block & RB offset	Low Channel (dBm)	Middle Channel (dBm)	High Channel (dBm)
5M	QPSK	1#0	21.62	21.77	21.95
		1#3	21.62	21.88	21.83
		1#5	21.58	21.78	21.85
		3#0	21.52	21.69	21.85
		3#1	21.63	21.76	21.85
		3#3	21.72	21.82	21.86
		6#0	21.66	21.92	21.83
	16-QAM	1#0	21.82	21.97	21.71
		1#3	21.85	21.95	21.72
		1#5	21.71	21.9	21.65
		3#0	21.74	21.8	21.67
		3#1	21.71	21.82	21.77
		3#3	21.72	21.93	21.81
		6#0	21.67	21.92	21.86
10M	QPSK	1#0	21.78	21.82	21.92
		1#7	21.79	21.86	21.81
		1#14	21.88	21.77	21.84
		8#0	21.77	21.77	21.81
		8#4	21.79	21.66	21.84
		8#7	21.86	21.72	21.93
		15#0	21.86	21.71	21.93
	16-QAM	1#0	21.76	21.74	21.86
		1#7	21.71	21.79	21.85
		1#14	21.67	21.75	21.83
		8#0	21.69	21.69	21.83
		8#4	21.73	21.82	21.84
		8#7	21.78	21.76	21.83
		15#0	21.83	21.79	21.78

15M	QPSK	1#0	21.92	21.8	21.76
		1#12	22.01	21.79	21.69
		1#24	22.13	21.89	21.81
		12#0	22.08	21.9	21.86
		12#6	22.17	22.03	21.86
		12#11	22.18	21.96	21.79
		25#0	22.34	21.85	21.82
	16-QAM	1#0	22.29	21.96	21.84
		1#12	22.33	21.94	21.93
		1#24	22.26	21.86	21.87
		12#0	22.34	21.92	21.77
		12#6	22.31	21.87	21.83
		12#11	22.26	21.81	21.89
		25#0	22.22	21.73	21.94
20M	QPSK	1#0	22.17	**22.53**	21.91
		1#24	22.19	21.64	21.88
		1#49	22.23	21.72	21.98
		25#0	22.25	21.72	21.89
		25#12	22.22	21.68	21.88
		25#24	22.31	21.72	21.85
		50#0	22.32	21.72	21.92
	16-QAM	1#0	22.32	21.74	21.81
		1#24	22.33	21.73	21.74
		1#49	22.41	21.71	21.71
		25#0	22.52	21.62	21.79
		25#12	21.67	21.72	21.84
		25#24	22.46	21.69	21.76
		50#0	22.52	21.73	21.66

Note:

The CMW500 Wideband Radio Communication tester is used for LTE output power measurements and SAR testing. Closed loop power control is used to keep the radio transmitters the max output power during the test.

WLAN 2.4GHz:

Mode	Channel frequency (MHz)	Data Rate	RF Output Power (dBm)
802.11b	2412	1Mbps	19.11
	2437		**19.18**
	2462		18.96
802.11g	2412	6Mbps	18.85
	2437		18.74
	2462		18.54
802.11n-HT20	2412	MCS0	16.86
	2437		16.81
	2462		16.61
802.11n-HT40	2422	MCS0	15.08
	2437		15.02
	2452		14.91

WLAN 5.2GHz:

Mode	Channel frequency (MHz)	Data Rate	RF Output Power (dBm)
802.11a	5180	6Mbps	13.41
	5200		**14.32**
	5240		13.09
802.11ac-VHT20	5180	MCS0	10.10
	5200		9.50
	5240		9.73
802.11ac-VHT40	5190	MCS0	10.10
	5230		9.09
802.11n-HT20	5180	MCS0	10.03
	5200		9.71
	5240		9.48
802.11n-HT40	5190	MCS0	9.80
	5230		9.13

WLAN 5.8GHz:

Mode	Channel frequency (MHz)	Data Rate	RF Output Power (dBm)
802.11a	5745	6Mbps	11.02
	5785		**12.04**
	5825		10.07
802.11ac-VHT20	5745	MCS0	11.93
	5785		10.72
	5825		10.01
802.11ac-VHT40	5755	MCS0	11.65
	5795		10.51
802.11n-HT20	5745	MCS0	11.81
	5785		10.86
	5825		9.96
802.11n-HT40	5755	MCS0	11.51
	5795		10.74

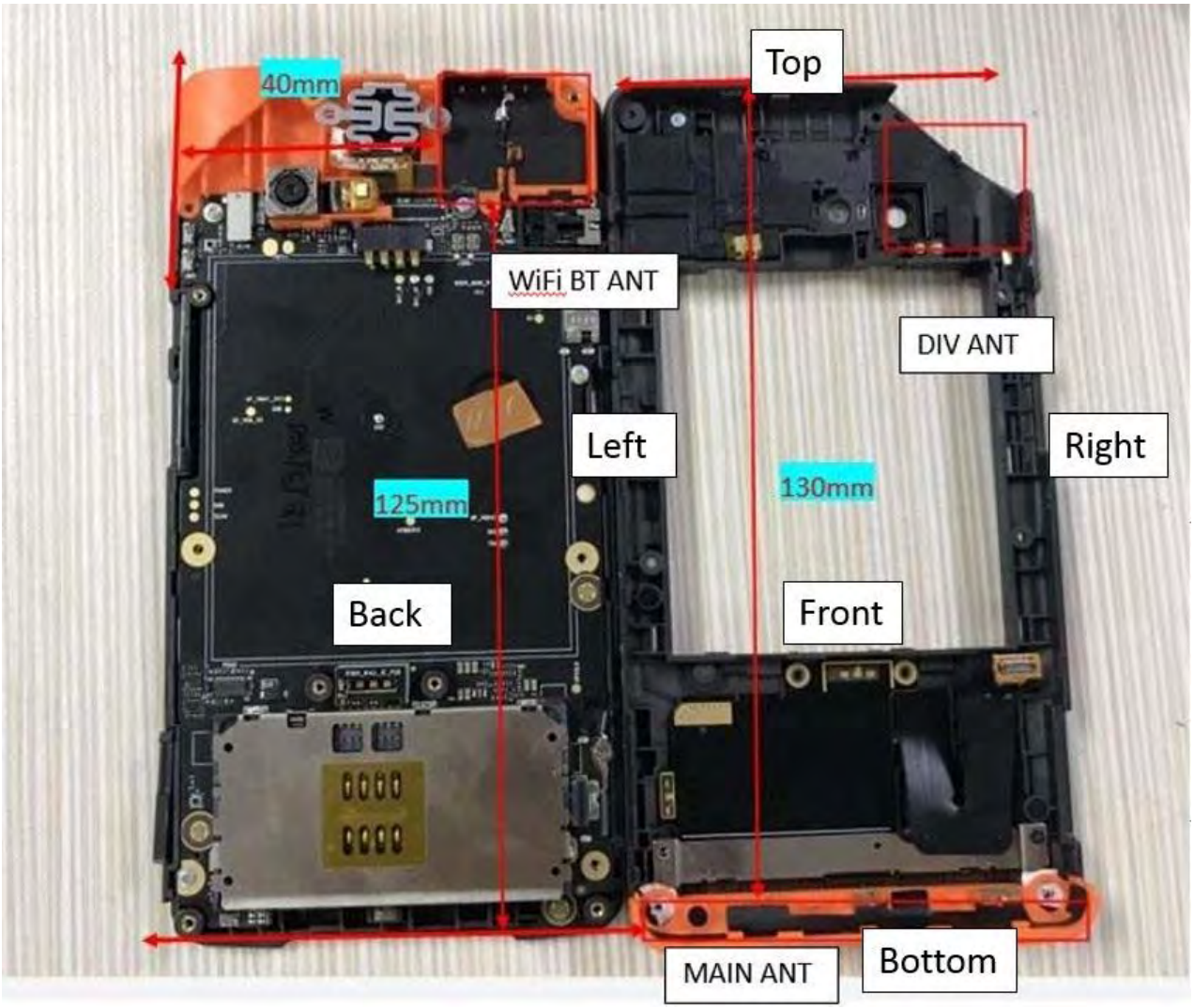
Note: *The output power was tested under data rate 1Mbps for 802.11b, 6Mbps for 802.11g, MCS0 for 802.11n HT20 , MCS0 for 802.11n HT40.*

Bluetooth:

Mode	Channel frequency (MHz)	RF Output Power (dBm)
BDR (GFSK)	2402	**10.49**
	2441	9.87
	2480	10.15
EDR (π/4-DQPSK)	2402	9.82
	2441	9.14
	2480	9.43
EDR (8DPSK)	2402	9.93
	2441	9.14
	2480	9.41
BLE (1Mbps) Mode	2402	3.49
	2440	3.51
	2480	2.93
BLE (2Mbps) Mode	2402	3.31
	2440	3.43
	2480	2.91

STANDALONE SAR TEST EXCLUSION CONSIDERATIONS

Antennas Location:



Antenna Distance To Edge

Antenna Distance To Edge(mm)					
Antenna	**Back**	**Left**	**Right**	**Top**	**Bottom**
WWAN	<5	<5	<5	130	<5
WLAN & BT	<5	<5	40	<5	125

SAR test exclusion for the EUT edge considerations detail:

Mode	Frequency (MHz)	Pavg (dBm)	Pavg (mW)	Test exclusion Threshold (mm)
GSM 850	836.6	27.7	589	126
PCS 1900	1880	24.9	309	71
WCDMA Band 2	1880	22.4	174	57
WCDMA Band 5	836.4	22.6	182	54
LTE FDD Band 2	1880	23.0	200	60
LTE FDD Band 4	1732.5	23.0	200	59
LTE FDD Band 5	836.5	22.9	195	56
LTE FDD Band 7	2535	22.8	191	60
LTE FDD Band 12	707.5	22.9	195	56
LTE FDD Band 17	710	22.7	186	55
LTE FDD Band 25	1880	22.6	182	58
LTE FDD Band 26	831.5	22.4	174	53
LTE FDD Band 66	1745	22.9	195	59
LTE TDD Band 38	2595	22.4	174	59
LTE TDD Band 41	2605	22.7	186	60
Wi-Fi 2.4G	2437	19.4	87	46
Wi-Fi 5.2G	5200	14.5	28	23
Wi-Fi 5.8G	5785	12.3	17	14
Bluetooth BDR	2402	10.7	12	6

Note:

Required：The distance is less than **Test Exclusion Distance**, testing is required.

Exclusion*：SAR test exclusion evaluation has been done above.

Exclusion：The distance is larger than **Test Exclusion Distance**, testing is not required.

SAR test exclusion for the EUT edge considerations detial:

Distance<50mm(To Edges)

The 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distance ≤ 50mm are determined by:

[(max. power of channel, including tune-up tolerance, mW)/(min. test separation distance, mm)]

[√f(GHz)] ≤ 3.0 for 1-g SAR and ≤7.5 for 10-g extremity SAR, where

1. f(GHz) is the RF channel transmit frequency in GHz.

2. Power and distance are rounded to the nearest mW and mm before calculation.

3. The result is rounded to one decimal place for comparison.

4. When the minimum test separation distance is < 5 mm, a distance of 5 mm is applied to determine SAR test Exclusion.

5.The Time based average Power is used for calculation.

Distance>50mm(To Edges)

At 100 MHz to 6 GHz and for *test separation distance* >50mm, the SAR test exclusion threshold is determined according to the following:

a) [(Power allowed at numeric threshold for 50mm in step 1) + (test separation distance - 50mm)·(f(MHz)/150)]mW, at 100 MHz to 1500 MHz

a) [(Power allowed at numeric threshold for 50mm in step 1) + (test separation distance - 50mm)·10]mW, at > 1500 MHz and ≤ 6GHz.

Standalone SAR test exclusion for the EUT edge considerations Result

Mode	Left	Right	Back	Top	Bottom
GSM 850	Required	Required	Required	Exclusion	Required
PCS 1900	Required	Required	Required	Exclusion	Required
WCDMA Band 2	Required	Required	Required	Exclusion	Required
WCDMA Band 5	Required	Required	Required	Exclusion	Required
LTE FDD Band 2	Required	Required	Required	Exclusion	Required
LTE FDD Band 4	Required	Required	Required	Exclusion	Required
LTE FDD Band 5	Required	Required	Required	Exclusion	Required
LTE FDD Band 7	Required	Required	Required	Exclusion	Required
LTE FDD Band 12	Required	Required	Required	Exclusion	Required
LTE FDD Band 17	Required	Required	Required	Exclusion	Required
LTE FDD Band 25	Required	Required	Required	Exclusion	Required
LTE FDD Band 26	Required	Required	Required	Exclusion	Required
LTE FDD Band 66	Required	Required	Required	Exclusion	Required
LTE TDD Band 38	Required	Required	Required	Exclusion	Required
LTE TDD Band 41	Required	Required	Required	Exclusion	Required
Wi-Fi (2.4G Band)	Required	Required	Required	Required	Exclusion
Wi-Fi (5.2G Band)	Required	Required	Required	Required	Exclusion
Wi-Fi (5.8G Band)	Required	Required	Required	Required	Exclusion
Bluetooth	Required	Required	Required	Required	Exclusion

Note:

1. The edges left/right/top/bottom belong to handheld mode.
2. In normal operation mode, the edge front will not be touched by the users directly, so SAR test is not consideration.

SAR MEASUREMENT RESULTS

This page summarizes the results of the performed diametric evaluation.

SAR Test Data

Environmental Conditions

Temperature:	22.2-23.3℃
Relative Humidity:	67%
Test Date:	2020/11/26

The testing was performed by Bard Liu.

GSM:

Band	Mode	Freq. (MHz) Position	Test Mode	Max. Meas. Power (dBm)	Max. Rated Power (dBm)	Scaled Factor	Meas.	Scaled SAR	Limit	Plot
GSM 850	Head Left Cheek	824.2	GSM	/	/	/	/	/	/	/
GSM 850	Head Left Cheek	836.6	GSM	33.23	33.40	1.040	**0.442**	**0.460**	1.6	1#
GSM 850	Head Left Cheek	848.8	GSM	/	/	/	/	/	/	/
GSM 850	Head Left Tilt	824.2	GSM	/	/	/	/	/	/	/
GSM 850	Head Left Tilt	836.6	GSM	33.23	33.40	1.040	0.178	0.185	1.6	/
GSM 850	Head Left Tilt	848.8	GSM	/	/	/	/	/	/	/
GSM 850	Head Right Cheek	824.2	GSM	/	/	/	/	/	/	/
GSM 850	Head Right Cheek	836.6	GSM	33.23	33.40	1.040	0.410	0.426	1.6	/
GSM 850	Head Right Cheek	848.8	GSM	/	/	/	/	/	/	/
GSM 850	Head Right Tilt	824.2	GSM	/	/	/	/	/	/	/
GSM 850	Head Right Tilt	836.6	GSM	33.23	33.40	1.040	0.195	0.203	1.6	/
GSM 850	Head Right Tilt	848.8	GSM	/	/	/	/	/	/	/

SAR Test Data

Environmental Conditions

Temperature:	22.1-23.4℃
Relative Humidity:	68%
Test Date:	2020/9/27

The testing was performed by Bard Liu.

Band	Mode	Freq. (MHz) Position	Test Mode	Max. Meas. Power (dBm)	Max. Rated Power (dBm)	Scaled Factor	Meas.	Scaled SAR	Limit	Plot
GSM 850	Body Back(10mm)	824.2	GPRS	/	/	/	/	/	/	/
GSM 850	Body Back(10mm)	836.6	GPRS	27.53	27.70	1.040	**0.449**	**0.467**	1.6	2#
GSM 850	Body Back(10mm)	848.8	GPRS	/	/	/	/	/	/	/
GSM 850	Handheld Back(0mm)	824.2	GPRS	/	/	/	/	/	/	/
GSM 850	Handheld Back(0mm)	836.6	GPRS	27.53	27.70	1.040	**1.010**	**1.050**	4.0	3#
GSM 850	Handheld Back(0mm)	848.8	GPRS	/	/	/	/	/	/	/
GSM 850	Handheld Left(0mm)	824.2	GPRS	/	/	/	/	/	/	/
GSM 850	Handheld Left(0mm)	836.6	GPRS	27.53	27.70	1.040	0.326	0.339	4.0	/
GSM 850	Handheld Left(0mm)	848.8	GPRS	/	/	/	/	/	/	/
GSM 850	Handheld Right(0mm)	824.2	GPRS	/	/	/	/	/	/	/
GSM 850	Handheld Right(0mm)	836.6	GPRS	27.53	27.70	1.040	0.338	0.351	4.0	/
GSM 850	Handheld Right(0mm)	848.8	GPRS	/	/	/	/	/	/	/
GSM 850	Handheld Bottom(0mm)	824.2	GPRS	/	/	/	/	/	/	/
GSM 850	Handheld Bottom(0mm)	836.6	GPRS	27.53	27.70	1.040	0.647	0.673	4.0	/
GSM 850	Handheld Bottom(0mm)	848.8	GPRS	/	/	/	/	/	/	/

SAR Test Data

Environmental Conditions

Temperature:	22.1-23.4℃
Relative Humidity:	68%
Test Date:	2020/11/25

The testing was performed by Bard Liu.

Band	Mode	Freq. (MHz) Position	Test Mode	Max. Meas. Power (dBm)	Max. Rated Power (dBm)	Scaled Factor	Meas.	Scaled SAR	Limit	Plot
PCS 1900	Head Left Cheek	1850.2	PCS 1900	/	/	/	/	/	/	/
PCS 1900	Head Left Cheek	1880	PCS 1900	30.39	30.60	1.050	0.093	0.098	1.6	/
PCS 1900	Head Left Cheek	1909.8	PCS 1900	/	/	/	/	/	/	/
PCS 1900	Head Left Tilt	1850.2	PCS 1900	/	/	/	/	/	/	/
PCS 1900	Head Left Tilt	1880	PCS 1900	30.39	30.60	1.050	0.094	0.099	1.6	/
PCS 1900	Head Left Tilt	1909.8	PCS 1900	/	/	/	/	/	/	/
PCS 1900	Head Right Cheek	1850.2	PCS 1900	/	/	/	/	/	/	/
PCS 1900	Head Right Cheek	1880	PCS 1900	30.39	30.60	1.050	**0.208**	**0.218**	1.6	4#
PCS 1900	Head Right Cheek	1909.8	PCS 1900	/	/	/	/	/	/	/
PCS 1900	Head Right Tilt	1850.2	PCS 1900	/	/	/	/	/	/	/
PCS 1900	Head Right Tilt	1880	PCS 1900	30.39	30.60	1.050	0.084	0.088	1.6	/
PCS 1900	Head Right Tilt	1909.8	PCS 1900	/	/	/	/	/	/	/

SAR Test Data

Environmental Conditions

Temperature:	22.1-23.2℃
Relative Humidity:	65%
Test Date:	2020/09/26

The testing was performed by Bard Liu.

Band	Mode	Freq. (MHz) Position	Test Mode	Max. Meas. Power (dBm)	Max. Rated Power (dBm)	Scaled Factor	Meas.	Scaled SAR	Limit	Plot
PCS 1900	Body Back(10mm)	1850.2	GPRS	/	/	/	/	/	/	/
PCS 1900	Body Back(10mm)	1880	GPRS	24.65	24.90	1.059	**0.587**	**0.622**	1.6	5#
PCS 1900	Body Back(10mm)	1909.8	GPRS	/	/	/	/	/	/	/
PCS 1900	Handheld Back(0mm)	1850.2	GPRS	/	/	/	/	/	/	/
PCS 1900	Handheld Back(0mm)	1880	GPRS	24.65	24.90	1.059	**1.220**	**1.292**	4.0	6#
PCS 1900	Handheld Back(0mm)	1909.8	GPRS	/	/	/	/	/	/	/
PCS 1900	Handheld Left(0mm)	1850.2	GPRS	/	/	/	/	/	/	/
PCS 1900	Handheld Left(0mm)	1880	GPRS	24.65	24.90	1.059	0.092	0.098	4.0	/
PCS 1900	Handheld Left(0mm)	1909.8	GPRS	/	/	/	/	/	/	/
PCS 1900	Handheld Right(0mm)	1850.2	GPRS	/	/	/	/	/	/	/
PCS 1900	Handheld Right(0mm)	1880	GPRS	24.65	24.90	1.059	1.050	1.112	4.0	/
PCS 1900	Handheld Right(0mm)	1909.8	GPRS	/	/	/	/	/	/	/
PCS 1900	Handheld Bottom(0mm)	1850.2	GPRS	/	/	/	/	/	/	/
PCS 1900	Handheld Bottom(0mm)	1880	GPRS	24.65	24.90	1.059	0.628	0.665	4.0	/
PCS 1900	Handheld Bottom(0mm)	1909.8	GPRS	/	/	/	/	/	/	/

Note:

1. When the SAR Value is less than half of the limit, testing for other channels are optional.
2. When SAR or MPE is not measured at the maximum power level allowed for production units, the results must be scaled to the maximum tune-up tolerance limit according to the power applied to the individual channels tested to determine compliance.
3. When the maximum output power variation across the required test channels is > 0.5 dB, instead of the middle channel, the highest output power channel must be used.
4. The Multi-slot Classes of EUT is Class 12 which has maximum 4 Downlink slots and 4 Uplink slots, the maximum active slots is 5, when perform the multiple slots scan, 1DL+4UL is the worst case.

SAR Test Data

Environmental Conditions

Temperature:	22.1-23.4℃
Relative Humidity:	68%
Test Date:	2020/11/25

The testing was performed by Bard Liu.

WCDMA:

Band	Mode	Freq. (MHz) Position	Test Mode	Max. Meas. Power (dBm)	Max. Rated Power (dBm)	Scaled Factor	Meas.	Scaled SAR	Limit	Plot
WCDMA Band 2	Head Left Cheek	1852.4	RMC	/	/	/	/	/	/	/
WCDMA Band 2	Head Left Cheek	1880	RMC	22.19	22.40	1.050	0.137	0.144	1.6	/
WCDMA Band 2	Head Left Cheek	1907.6	RMC	/	/	/	/	/	/	/
WCDMA Band 2	Head Left Tilt	1852.4	RMC	/	/	/	/	/	/	/
WCDMA Band 2	Head Left Tilt	1880	RMC	22.19	22.40	1.050	0.083	0.087	1.6	/
WCDMA Band 2	Head Left Tilt	1907.6	RMC	/	/	/	/	/	/	/
WCDMA Band 2	Head Right Cheek	1852.4	RMC	/	/	/	/	/	/	/
WCDMA Band 2	Head Right Cheek	1880	RMC	22.19	22.40	1.050	**0.294**	**0.309**	1.6	7#
WCDMA Band 2	Head Right Cheek	1907.6	RMC	/	/	/	/	/	/	/
WCDMA Band 2	Head Right Tilt	1852.4	RMC	/	/	/	/	/	/	/
WCDMA Band 2	Head Right Tilt	1880	RMC	22.19	22.40	1.050	0.066	0.069	1.6	/
WCDMA Band 2	Head Right Tilt	1907.6	RMC	/	/	/	/	/	/	/

SAR Test Data

Environmental Conditions

Temperature:	22.1-23.2℃
Relative Humidity:	65%
Test Date:	2020/09/26

The testing was performed by Bard Liu.

Band	Mode	Freq. (MHz) Position	Test Mode	Max. Meas. Power (dBm)	Max. Rated Power (dBm)	Scaled Factor	Meas.	Scaled SAR	Limit	Plot
WCDMA Band 2	Body Back(10mm)	1852.4	RMC	/	/	/	/	/	/	/
WCDMA Band 2	Body Back(10mm)	1880	RMC	22.19	22.40	1.050	**0.466**	**0.489**	1.6	8#
WCDMA Band 2	Body Back(10mm)	1907.6	RMC	/	/	/	/	/	/	/
WCDMA Band 2	Handheld Back(0mm)	1852.4	RMC	/	/	/	/	/	/	/
WCDMA Band 2	Handheld Back(0mm)	1880	RMC	22.19	22.40	1.050	**1.320**	**1.385**	4.0	9#
WCDMA Band 2	Handheld Back(0mm)	1907.6	RMC	/	/	/	/	/	/	/
WCDMA Band 2	Handheld Left(0mm)	1852.4	RMC	/	/	/	/	/	/	/
WCDMA Band 2	Handheld Left(0mm)	1880	RMC	22.19	22.40	1.050	0.095	0.099	4.0	/
WCDMA Band 2	Handheld Left(0mm)	1907.6	RMC	/	/	/	/	/	/	/
WCDMA Band 2	Handheld Right(0mm)	1852.4	RMC	/	/	/	/	/	/	/
WCDMA Band 2	Handheld Right(0mm)	1880	RMC	22.19	22.40	1.050	1.100	1.154	4.0	/
WCDMA Band 2	Handheld Right(0mm)	1907.6	RMC	/	/	/	/	/	/	/
WCDMA Band 2	Handheld Bottom(0mm)	1852.4	RMC	/	/	/	/	/	/	/
WCDMA Band 2	Handheld Bottom(0mm)	1880	RMC	22.19	22.40	1.050	0.712	0.747	4.0	/
WCDMA Band 2	Handheld Bottom(0mm)	1907.6	RMC	/	/	/	/	/	/	/

SAR Test Data

Environmental Conditions

Temperature:	22.2-23.3℃
Relative Humidity:	67%
Test Date:	2020/11/26

The testing was performed by Bard Liu.

Band	Mode	Freq. (MHz) Position	Test Mode	Max. Meas. Power (dBm)	Max. Rated Power (dBm)	Scaled Factor	Meas.	Scaled SAR	Limit	Plot
WCDMA Band 5	Head Left Cheek	826.4	RMC	/	/	/	/	/	/	/
WCDMA Band 5	Head Left Cheek	836.4	RMC	22.39	22.60	1.050	0.424	0.445	1.6	/
WCDMA Band 5	Head Left Cheek	846.6	RMC	/	/	/	/	/	/	/
WCDMA Band 5	Head Left Tilt	826.4	RMC	/	/	/	/	/	/	/
WCDMA Band 5	Head Left Tilt	836.4	RMC	22.39	22.60	1.050	0.189	0.198	1.6	/
WCDMA Band 5	Head Left Tilt	846.6	RMC	/	/	/	/	/	/	/
WCDMA Band 5	Head Right Cheek	826.4	RMC	/	/	/	/	/	/	/
WCDMA Band 5	Head Right Cheek	836.4	RMC	22.39	22.60	1.050	**0.446**	**0.468**	1.6	10#
WCDMA Band 5	Head Right Cheek	846.6	RMC	/	/	/	/	/	/	/
WCDMA Band 5	Head Right Tilt	826.4	RMC	/	/	/	/	/	/	/
WCDMA Band 5	Head Right Tilt	836.4	RMC	22.39	22.60	1.050	0.223	0.234	1.6	/
WCDMA Band 5	Head Right Tilt	846.6	RMC	/	/	/	/	/	/	/

SAR Test Data

Environmental Conditions

Temperature:	22.1-23.4℃
Relative Humidity:	68%
Test Date:	2020/09/27

The testing was performed by Bard Liu.

Band	Mode	Freq. (MHz) Position	Test Mode	Max. Meas. Power (dBm)	Max. Rated Power (dBm)	Scaled Factor	Meas.	Scaled SAR	Limit	Plot
WCDMA Band 5	Body Back(10mm)	826.4	RMC	/	/	/	/	/	/	/
WCDMA Band 5	Body Back(10mm)	836.4	RMC	22.39	22.60	1.050	**0.292**	**0.306**	1.6	11#
WCDMA Band 5	Body Back(10mm)	846.6	RMC	/	/	/	/	/	/	/
WCDMA Band 5	Handheld Back(0mm)	826.4	RMC	/	/	/	/	/	/	/
WCDMA Band 5	Handheld Back(0mm)	836.4	RMC	22.39	22.60	1.050	**0.680**	**0.714**	4.0	12#
WCDMA Band 5	Handheld Back(0mm)	846.6	RMC	/	/	/	/	/	/	/
WCDMA Band 5	Handheld Left(0mm)	826.4	RMC	/	/	/	/	/	/	/
WCDMA Band 5	Handheld Left(0mm)	836.4	RMC	22.39	22.60	1.050	0.208	0.218	4.0	/
WCDMA Band 5	Handheld Left(0mm)	846.6	RMC	/	/	/	/	/	/	/
WCDMA Band 5	Handheld Right(0mm)	826.4	RMC	/	/	/	/	/	/	/
WCDMA Band 5	Handheld Right(0mm)	836.4	RMC	22.39	22.60	1.050	0.204	0.214	4.0	/
WCDMA Band 5	Handheld Right(0mm)	846.6	RMC	/	/	/	/	/	/	/
WCDMA Band 5	Handheld Bottom(0mm)	826.4	RMC	/	/	/	/	/	/	/
WCDMA Band 5	Handheld Bottom(0mm)	836.4	RMC	22.39	22.60	1.050	0.412	0.432	4.0	/
WCDMA Band 5	Handheld Bottom(0mm)	846.6	RMC	/	/	/	/	/	/	/

Note:

1. When the SAR Value is less than half of the limit, testing for other channels are optional.
2. The EUT transmit and receive through the same antenna while testing SAR.
3. The default test configuration is to measure SAR with an established radio link between the EUT and a communication test set using a 12.2 kbps RMC (reference measurement Channel) Configured in Test Loop Model.
4. KDB 941225 D01-Body SAR is not required for HSDPA/HSUPA /HSPA+ when the maximum average output of each RF channel is less than ? dB higher than measured 12.2kbps RMC or the maximum SAR for

12.2kbps RMC is < 75% of SAR limit.

5. When SAR or MPE is not measured at the maximum power level allowed for production units, the results must be scaled to the maximum tune-up tolerance limit according to the power applied to the individual channels tested to determine compliance.

SAR Test Data

Environmental Conditions

Temperature:	22.1-23.4℃
Relative Humidity:	68%
Test Date:	2020/11/25

The testing was performed by Bard Liu.

LTE:

Band	Mode	Freq. (MHz) Position	Test Mode	Bandwidth (MHz)	Max. Meas. Power (dBm)	Max. Rated Power (dBm)	Scaled Factor	Meas.	Scaled SAR	Limit	Plot
LTE FDD Band 2	Head Left Cheek	1860	1RB	20	/	/	/	/	/	/	/
LTE FDD Band 2	Head Left Cheek	1880	1RB	20	22.83	23.00	1.040	0.100	0.103	1.6	/
LTE FDD Band 2	Head Left Cheek	1900	1RB	20	/	/	/	/	/	/	/
LTE FDD Band 2	Head Left Cheek	1880	50%RB	20	22.67	22.90	1.054	0.089	0.094	1.6	/
LTE FDD Band 2	Head Left Tilt	1860	1RB	20	/	/	/	/	/	/	/
LTE FDD Band 2	Head Left Tilt	1880	1RB	20	22.83	23.00	1.040	0.086	0.090	1.6	/
LTE FDD Band 2	Head Left Tilt	1900	1RB	20	/	/	/	/	/	/	/
LTE FDD Band 2	Head Left Tilt	1880	50%RB	20	22.67	22.90	1.054	0.076	0.080	1.6	/
LTE FDD Band 2	Head Right Cheek	1860	1RB	20	/	/	/	/	/	/	/
LTE FDD Band 2	Head Right Cheek	1880	1RB	20	22.83	23.00	1.040	**0.242**	**0.252**	1.6	13#
LTE FDD Band 2	Head Right Cheek	1900	1RB	20	/	/	/	/	/	/	/
LTE FDD Band 2	Head Right Cheek	1880	50%RB	20	22.67	22.90	1.054	0.226	0.238	1.6	/
LTE FDD Band 2	Head Right Tilt	1860	1RB	20	/	/	/	/	/	/	/
LTE FDD Band 2	Head Right Tilt	1880	1RB	20	22.83	23.00	1.040	0.073	0.076	1.6	/
LTE FDD Band 2	Head Right Tilt	1900	1RB	20	/	/	/	/	/	/	/
LTE FDD Band 2	Head Right Tilt	1880	50%RB	20	22.67	22.90	1.054	0.060	0.064	1.6	/

SAR Test Data

Environmental Conditions

Temperature:	22.1-23.2℃
Relative Humidity:	65%
Test Date:	2020/09/26

The testing was performed by Bard Liu.

Band	Mode	Freq. (MHz) Position	Test Mode	Bandwidth (MHz)	Max. Meas. Power (dBm)	Max. Rated Power (dBm)	Scaled Factor	Meas.	Scaled SAR	Limit	Plot
LTE FDD Band 2	Body Back(10mm)	1860	1RB	20	/	/	/	/	/	/	/
LTE FDD Band 2	Body Back(10mm)	1880	1RB	20	22.83	23.00	1.040	**0.452**	**0.470**	1.6	14#
LTE FDD Band 2	Body Back(10mm)	1900	1RB	20	/	/	/	/	/	/	/
LTE FDD Band 2	Body Back(10mm)	1880	50%RB	20	22.67	22.90	1.054	0.399	0.421	1.6	/
LTE FDD Band 2	Handheld Back(0mm)	1860	1RB	20	/	/	/	/	/	/	/
LTE FDD Band 2	Handheld Back(0mm)	1880	1RB	20	22.83	23.00	1.040	**1.100**	**1.144**	4.0	15#
LTE FDD Band 2	Handheld Back(0mm)	1900	1RB	20	/	/	/	/	/	/	/
LTE FDD Band 2	Handheld Back(0mm)	1880	50%RB	20	22.67	22.90	1.054	0.979	1.032	4.0	/
LTE FDD Band 2	Handheld Left(0mm)	1860	1RB	20	/	/	/	/	/	/	/
LTE FDD Band 2	Handheld Left(0mm)	1880	1RB	20	22.83	23.00	1.040	0.077	0.080	4.0	/
LTE FDD Band 2	Handheld Left(0mm)	1900	1RB	20	/	/	/	/	/	/	/
LTE FDD Band 2	Handheld Left(0mm)	1880	50%RB	20	22.67	22.90	1.054	0.068	0.072	4.0	/
LTE FDD Band 2	Handheld Right(0mm)	1860	1RB	20	/	/	/	/	/	/	/
LTE FDD Band 2	Handheld Right(0mm)	1880	1RB	20	22.83	23.00	1.040	0.945	0.983	4.0	/
LTE FDD Band 2	Handheld Right(0mm)	1900	1RB	20	/	/	/	/	/	/	/
LTE FDD Band 2	Handheld Right(0mm)	1880	50%RB	20	22.67	22.90	1.054	0.834	0.879	4.0	/
LTE FDD Band 2	Handheld Bottom(0mm)	1860	1RB	20	/	/	/	/	/	/	/
LTE FDD Band 2	Handheld Bottom(0mm)	1880	1RB	20	22.83	23.00	1.040	0.582	0.605	4.0	/
LTE FDD Band 2	Handheld Bottom(0mm)	1900	1RB	20	/	/	/	/	/	/	/
LTE FDD Band 2	Handheld Bottom(0mm)	1880	50%RB	20	22.67	22.90	1.054	0.516	0.544	4.0	/

SAR Test Data

Environmental Conditions

Temperature:	22.1-23.4℃
Relative Humidity:	68%
Test Date:	2020/11/29

The testing was performed by Bard Liu.

Band	Mode	Freq. (MHz) Position	Test Mode	Bandwidth (MHz)	Max. Meas. Power (dBm)	Max. Rated Power (dBm)	Scaled Factor	Meas.	Scaled SAR	Limit	Plot
LTE FDD Band 4	Head Left Cheek	1720	1RB	20	/	/	/	/	/	/	/
LTE FDD Band 4	Head Left Cheek	1732.5	1RB	20	20.60	20.80	1.047	0.125	0.131	1.6	/
LTE FDD Band 4	Head Left Cheek	1745	1RB	20	/	/	/	/	/	/	/
LTE FDD Band 4	Head Left Cheek	1732.5	50%RB	20	20.56	20.80	1.057	0.105	0.111	1.6	/
LTE FDD Band 4	Head Left Tilt	1720	1RB	20	/	/	/	/	/	/	/
LTE FDD Band 4	Head Left Tilt	1732.5	1RB	20	20.60	20.80	1.047	0.107	0.112	1.6	/
LTE FDD Band 4	Head Left Tilt	1745	1RB	20	/	/	/	/	/	/	/
LTE FDD Band 4	Head Left Tilt	1732.5	50%RB	20	20.56	20.80	1.057	0.095	0.100	1.6	/
LTE FDD Band 4	Head Right Cheek	1720	1RB	20	/	/	/	/	/	/	/
LTE FDD Band 4	Head Right Cheek	1732.5	1RB	20	20.60	20.80	1.047	**0.340**	**0.356**	1.6	16#
LTE FDD Band 4	Head Right Cheek	1745	1RB	20	/	/	/	/	/	/	/
LTE FDD Band 4	Head Right Cheek	1732.5	50%RB	20	20.56	20.80	1.057	0.315	0.333	1.6	/
LTE FDD Band 4	Head Right Tilt	1720	1RB	20	/	/	/	/	/	/	/
LTE FDD Band 4	Head Right Tilt	1732.5	1RB	20	20.60	20.80	1.047	0.114	0.119	1.6	/
LTE FDD Band 4	Head Right Tilt	1745	1RB	20	/	/	/	/	/	/	/
LTE FDD Band 4	Head Right Tilt	1732.5	50%RB	20	20.56	20.80	1.057	0.101	0.107	1.6	/

SAR Test Data

Environmental Conditions

Temperature:	22.1-23.4℃
Relative Humidity:	68%
Test Date:	2020/09/30

The testing was performed by Bard Liu.

Band	Mode	Freq. (MHz) Position	Test Mode	Bandwidth (MHz)	Max. Meas. Power (dBm)	Max. Rated Power (dBm)	Scaled Factor	Meas.	Scaled SAR	Limit	Plot
LTE FDD Band 4	Body Back(10mm)	1720	1RB	20	/	/	/	/	/	/	/
LTE FDD Band 4	Body Back(10mm)	1732.5	1RB	20	20.60	20.80	1.047	**0.743**	**0.778**	1.6	17#
LTE FDD Band 4	Body Back(10mm)	1745	1RB	20	/	/	/	/	/	/	/
LTE FDD Band 4	Body Back(10mm)	1732.5	50%RB	20	20.56	20.80	1.057	0.609	0.644	1.6	/
LTE FDD Band 4	Handheld Back(0mm)	1720	1RB	20	/	/	/	/	/	/	/
LTE FDD Band 4	Handheld Back(0mm)	1732.5	1RB	20	20.60	20.80	1.047	**1.440**	**1.508**	4.0	18#
LTE FDD Band 4	Handheld Back(0mm)	1745	1RB	20	/	/	/	/	/	/	/
LTE FDD Band 4	Handheld Back(0mm)	1732.5	50%RB	20	20.56	20.80	1.057	1.180	1.247	4.0	/
LTE FDD Band 4	Handheld Left(0mm)	1720	1RB	20	/	/	/	/	/	/	/
LTE FDD Band 4	Handheld Left(0mm)	1732.5	1RB	20	20.60	20.80	1.047	0.094	0.098	4.0	/
LTE FDD Band 4	Handheld Left(0mm)	1745	1RB	20	/	/	/	/	/	/	/
LTE FDD Band 4	Handheld Left(0mm)	1732.5	50%RB	20	20.56	20.80	1.057	0.076	0.080	4.0	/
LTE FDD Band 4	Handheld Right(0mm)	1720	1RB	20	/	/	/	/	/	/	/
LTE FDD Band 4	Handheld Right(0mm)	1732.5	1RB	20	20.60	20.80	1.047	1.330	1.393	4.0	/
LTE FDD Band 4	Handheld Right(0mm)	1745	1RB	20	/	/	/	/	/	/	/
LTE FDD Band 4	Handheld Right(0mm)	1732.5	50%RB	20	20.56	20.80	1.057	1.080	1.141	4.0	/
LTE FDD Band 4	Handheld Bottom(0mm)	1720	1RB	20	/	/	/	/	/	/	/
LTE FDD Band 4	Handheld Bottom(0mm)	1732.5	1RB	20	20.60	20.80	1.047	0.259	0.271	4.0	/
LTE FDD Band 4	Handheld Bottom(0mm)	1745	1RB	20	/	/	/	/	/	/	/
LTE FDD Band 4	Handheld Bottom(0mm)	1732.5	50%RB	20	20.56	20.80	1.057	0.212	0.224	4.0	/

SAR Test Data

Environmental Conditions

Temperature:	22.2-23.3℃
Relative Humidity:	67%
Test Date:	2020/11/26

The testing was performed by Bard Liu.

Band	Mode	Freq. (MHz) Position	Test Mode	Bandwidth (MHz)	Max. Meas. Power (dBm)	Max. Rated Power (dBm)	Scaled Factor	Meas.	Scaled SAR	Limit	Plot
LTE FDD Band 5	Head Left Cheek	829	1RB	10	/	/	/	/	/	/	/
LTE FDD Band 5	Head Left Cheek	836.5	1RB	10	22.68	22.90	1.052	0.369	0.388	1.6	/
LTE FDD Band 5	Head Left Cheek	844	1RB	10	/	/	/	/	/	/	/
LTE FDD Band 5	Head Left Cheek	836.5	50%RB	10	22.41	22.60	1.045	0.368	0.384	1.6	/
LTE FDD Band 5	Head Left Tilt	829	1RB	10	/	/	/	/	/	/	/
LTE FDD Band 5	Head Left Tilt	836.5	1RB	10	22.68	22.90	1.052	0.158	0.166	1.6	/
LTE FDD Band 5	Head Left Tilt	844	1RB	10	/	/	/	/	/	/	/
LTE FDD Band 5	Head Left Tilt	836.5	50%RB	10	22.41	22.60	1.045	0.138	0.144	1.6	/
LTE FDD Band 5	Head Right Cheek	829	1RB	10	/	/	/	/	/	/	/
LTE FDD Band 5	Head Right Cheek	836.5	1RB	10	22.68	22.90	1.052	**0.423**	**0.445**	1.6	19#
LTE FDD Band 5	Head Right Cheek	844	1RB	10	/	/	/	/	/	/	/
LTE FDD Band 5	Head Right Cheek	836.5	50%RB	10	22.41	22.60	1.045	0.401	0.419	1.6	/
LTE FDD Band 5	Head Right Tilt	829	1RB	10	/	/	/	/	/	/	/
LTE FDD Band 5	Head Right Tilt	836.5	1RB	10	22.68	22.90	1.052	0.183	0.193	1.6	/
LTE FDD Band 5	Head Right Tilt	844	1RB	10	/	/	/	/	/	/	/
LTE FDD Band 5	Head Right Tilt	836.5	50%RB	10	22.41	22.60	1.045	0.156	0.163	1.6	/

SAR Test Data

Environmental Conditions

Temperature:	22.1-23.4℃
Relative Humidity:	68%
Test Date:	2020/09/27

The testing was performed by Bard Liu.

Band	Mode	Freq. (MHz) Position	Test Mode	Bandwidth (MHz)	Max. Meas. Power (dBm)	Max. Rated Power (dBm)	Scaled Factor	Meas.	Scaled SAR	Limit	Plot
LTE FDD Band 5	Body Back(10mm)	829	1RB	10	/	/	/	/	/	/	/
LTE FDD Band 5	Body Back(10mm)	836.5	1RB	10	22.68	22.90	1.052	**0.267**	**0.281**	1.6	20#
LTE FDD Band 5	Body Back(10mm)	844	1RB	10	/	/	/	/	/	/	/
LTE FDD Band 5	Body Back(10mm)	836.5	50%RB	10	22.41	22.60	1.045	0.222	0.232	1.6	/
LTE FDD Band 5	Handheld Back(0mm)	829	1RB	10	/	/	/	/	/	/	/
LTE FDD Band 5	Handheld Back(0mm)	836.5	1RB	10	22.68	22.90	1.052	**0.626**	**0.659**	4.0	21#
LTE FDD Band 5	Handheld Back(0mm)	844	1RB	10	/	/	/	/	/	/	/
LTE FDD Band 5	Handheld Back(0mm)	836.5	50%RB	10	22.41	22.60	1.045	0.521	0.544	4.0	/
LTE FDD Band 5	Handheld Left(0mm)	829	1RB	10	/	/	/	/	/	/	/
LTE FDD Band 5	Handheld Left(0mm)	836.5	1RB	10	22.68	22.90	1.052	0.218	0.229	4.0	/
LTE FDD Band 5	Handheld Left(0mm)	844	1RB	10	/	/	/	/	/	/	/
LTE FDD Band 5	Handheld Left(0mm)	836.5	50%RB	10	22.41	22.60	1.045	0.156	0.163	4.0	/
LTE FDD Band 5	Handheld Right(0mm)	829	1RB	10	/	/	/	/	/	/	/
LTE FDD Band 5	Handheld Right(0mm)	836.5	1RB	10	22.68	22.90	1.052	0.192	0.202	4.0	/
LTE FDD Band 5	Handheld Right(0mm)	844	1RB	10	/	/	/	/	/	/	/
LTE FDD Band 5	Handheld Right(0mm)	836.5	50%RB	10	22.41	22.60	1.045	0.159	0.166	4.0	/
LTE FDD Band 5	Handheld Bottom(0mm)	829	1RB	10	/	/	/	/	/	/	/
LTE FDD Band 5	Handheld Bottom(0mm)	836.5	1RB	10	22.68	22.90	1.052	0.354	0.372	4.0	/
LTE FDD Band 5	Handheld Bottom(0mm)	844	1RB	10	/	/	/	/	/	/	/
LTE FDD Band 5	Handheld Bottom(0mm)	836.5	50%RB	10	22.41	22.60	1.045	0.259	0.271	4.0	/

SAR Test Data

Environmental Conditions

Temperature:	22.2-23.1℃
Relative Humidity:	61%
Test Date:	2020/11/27

The testing was performed by Bard Liu.

Band	Mode	Freq. (MHz) Position	Test Mode	Bandwidth (MHz)	Max. Meas. Power (dBm)	Max. Rated Power (dBm)	Scaled Factor	Meas.	Scaled SAR	Limit	Plot
LTE FDD Band 7	Head Left Cheek	2510	1RB	20	/	/	/	/	/	/	/
LTE FDD Band 7	Head Left Cheek	2535	1RB	20	22.60	22.80	1.047	0.363	0.380	1.6	/
LTE FDD Band 7	Head Left Cheek	2560	1RB	20	/	/	/	/	/	/	/
LTE FDD Band 7	Head Left Cheek	2535	50%RB	20	22.41	22.60	1.045	0.322	0.336	1.6	/
LTE FDD Band 7	Head Left Tilt	2510	1RB	20	/	/	/	/	/	/	/
LTE FDD Band 7	Head Left Tilt	2535	1RB	20	22.60	22.80	1.047	0.211	0.221	1.6	/
LTE FDD Band 7	Head Left Tilt	2560	1RB	20	/	/	/	/	/	/	/
LTE FDD Band 7	Head Left Tilt	2535	50%RB	20	22.41	22.60	1.045	0.165	0.172	1.6	/
LTE FDD Band 7	Head Right Cheek	2510	1RB	20	/	/	/	/	/	/	/
LTE FDD Band 7	Head Right Cheek	2535	1RB	20	22.60	22.80	1.047	**0.549**	**0.575**	1.6	22#
LTE FDD Band 7	Head Right Cheek	2560	1RB	20	/	/	/	/	/	/	/
LTE FDD Band 7	Head Right Cheek	2535	50%RB	20	22.41	22.60	1.045	0.485	0.507	1.6	/
LTE FDD Band 7	Head Right Tilt	2510	1RB	20	/	/	/	/	/	/	/
LTE FDD Band 7	Head Right Tilt	2535	1RB	20	22.60	22.80	1.047	0.147	0.154	1.6	/
LTE FDD Band 7	Head Right Tilt	2560	1RB	20	/	/	/	/	/	/	/
LTE FDD Band 7	Head Right Tilt	2535	50%RB	20	22.41	22.60	1.045	0.102	0.107	1.6	/

SAR Test Data

Environmental Conditions

Temperature:	22.2-23.1℃
Relative Humidity:	61%
Test Date:	2020/09/28

The testing was performed by Bard Liu.

Band	Mode	Freq. (MHz) Position	Test Mode	Bandwidth (MHz)	Max. Meas. Power (dBm)	Max. Rated Power (dBm)	Scaled Factor	Meas.	Scaled SAR	Limit	Plot
LTE FDD Band 7	Body Back(10mm)	2510	1RB	20	/	/	/	/	/	/	/
LTE FDD Band 7	Body Back(10mm)	2535	1RB	20	22.60	22.80	1.047	**0.451**	**0.472**	1.6	23#
LTE FDD Band 7	Body Back(10mm)	2560	1RB	20	/	/	/	/	/	/	/
LTE FDD Band 7	Body Back(10mm)	2535	50%RB	20	22.41	22.60	1.045	0.361	0.377	1.6	/
LTE FDD Band 7	Handheld Back(0mm)	2510	1RB	20	/	/	/	/	/	/	/
LTE FDD Band 7	Handheld Back(0mm)	2535	1RB	20	22.60	22.80	1.047	1.110	1.162	4.0	/
LTE FDD Band 7	Handheld Back(0mm)	2560	1RB	20	/	/	/	/	/	/	/
LTE FDD Band 7	Handheld Back(0mm)	2535	50%RB	20	22.41	22.60	1.045	0.906	0.947	4.0	/
LTE FDD Band 7	Handheld Left(0mm)	2510	1RB	20	/	/	/	/	/	/	/
LTE FDD Band 7	Handheld Left(0mm)	2535	1RB	20	22.60	22.80	1.047	0.098	0.103	4.0	/
LTE FDD Band 7	Handheld Left(0mm)	2560	1RB	20	/	/	/	/	/	/	/
LTE FDD Band 7	Handheld Left(0mm)	2535	50%RB	20	22.41	22.60	1.045	0.082	0.086	4.0	/
LTE FDD Band 7	Handheld Right(0mm)	2510	1RB	20	/	/	/	/	/	/	/
LTE FDD Band 7	Handheld Right(0mm)	2535	1RB	20	22.60	22.80	1.047	**1.840**	**1.927**	4.0	24#
LTE FDD Band 7	Handheld Right(0mm)	2560	1RB	20	/	/	/	/	/	/	/
LTE FDD Band 7	Handheld Right(0mm)	2535	50%RB	20	22.41	22.60	1.045	1.540	1.609	4.0	/
LTE FDD Band 7	Handheld Bottom(0mm)	2510	1RB	20	/	/	/	/	/	/	/
LTE FDD Band 7	Handheld Bottom(0mm)	2535	1RB	20	22.60	22.80	1.047	1.070	1.120	4.0	/
LTE FDD Band 7	Handheld Bottom(0mm)	2560	1RB	20	/	/	/	/	/	/	/
LTE FDD Band 7	Handheld Bottom(0mm)	2535	50%RB	20	22.41	22.60	1.045	0.898	0.938	4.0	/

SAR Test Data

Environmental Conditions

Temperature:	22.1-23.2℃
Relative Humidity:	59%
Test Date:	2020/11/28

The testing was performed by Bard Liu.

Band	Mode	Freq. (MHz) Position	Test Mode	Bandwidth (MHz)	Max. Meas. Power (dBm)	Max. Rated Power (dBm)	Scaled Factor	Meas.	Scaled SAR	Limit	Plot
LTE FDD Band 12	Head Left Cheek	704	1RB	10	/	/	/	/	/	/	/
LTE FDD Band 12	Head Left Cheek	707.5	1RB	10	22.65	22.90	1.059	0.145	0.154	1.6	/
LTE FDD Band 12	Head Left Cheek	711	1RB	10	/	/	/	/	/	/	/
LTE FDD Band 12	Head Left Cheek	707.5	50%RB	10	22.51	22.70	1.045	0.118	0.123	1.6	/
LTE FDD Band 12	Head Left Tilt	704	1RB	10	/	/	/	/	/	/	/
LTE FDD Band 12	Head Left Tilt	707.5	1RB	10	22.65	22.90	1.059	0.076	0.081	1.6	/
LTE FDD Band 12	Head Left Tilt	711	1RB	10	/	/	/	/	/	/	/
LTE FDD Band 12	Head Left Tilt	707.5	50%RB	10	22.51	22.70	1.045	0.058	0.061	1.6	/
LTE FDD Band 12	Head Right Cheek	704	1RB	10	/	/	/	/	/	/	/
LTE FDD Band 12	Head Right Cheek	707.5	1RB	10	22.65	22.90	1.059	**0.153**	**0.162**	1.6	25#
LTE FDD Band 12	Head Right Cheek	711	1RB	10	/	/	/	/	/	/	/
LTE FDD Band 12	Head Right Cheek	707.5	50%RB	10	22.51	22.70	1.045	0.123	0.129	1.6	/
LTE FDD Band 12	Head Right Tilt	704	1RB	10	/	/	/	/	/	/	/
LTE FDD Band 12	Head Right Tilt	707.5	1RB	10	22.65	22.90	1.059	0.075	0.080	1.6	/
LTE FDD Band 12	Head Right Tilt	711	1RB	10	/	/	/	/	/	/	/
LTE FDD Band 12	Head Right Tilt	707.5	50%RB	10	22.51	22.70	1.045	0.062	0.065	1.6	/

SAR Test Data

Environmental Conditions

Temperature:	22.2-23.0℃
Relative Humidity:	63%
Test Date:	2020/09/29

The testing was performed by Bard Liu.

Band	Mode	Freq. (MHz) Position	Test Mode	Bandwidth (MHz)	Max. Meas. Power (dBm)	Max. Rated Power (dBm)	Scaled Factor	Meas.	Scaled SAR	Limit	Plot
LTE FDD Band 12	Body Back(10mm)	704	1RB	10	/	/	/	/	/	/	/
LTE FDD Band 12	Body Back(10mm)	707.5	1RB	10	22.65	22.90	1.059	**0.153**	**0.162**	1.6	26#
LTE FDD Band 12	Body Back(10mm)	711	1RB	10	/	/	/	/	/	/	/
LTE FDD Band 12	Body Back(10mm)	707.5	50%RB	10	22.51	22.70	1.045	0.120	0.125	1.6	/
LTE FDD Band 12	Handheld Back(0mm)	704	1RB	10	/	/	/	/	/	/	/
LTE FDD Band 12	Handheld Back(0mm)	707.5	1RB	10	22.65	22.90	1.059	**0.276**	**0.292**	4.0	27#
LTE FDD Band 12	Handheld Back(0mm)	711	1RB	10	/	/	/	/	/	/	/
LTE FDD Band 12	Handheld Back(0mm)	707.5	50%RB	10	22.51	22.70	1.045	0.221	0.231	4.0	/
LTE FDD Band 12	Handheld Left(0mm)	704	1RB	10	/	/	/	/	/	/	/
LTE FDD Band 12	Handheld Left(0mm)	707.5	1RB	10	22.65	22.90	1.059	0.113	0.120	4.0	/
LTE FDD Band 12	Handheld Left(0mm)	711	1RB	10	/	/	/	/	/	/	/
LTE FDD Band 12	Handheld Left(0mm)	707.5	50%RB	10	22.51	22.70	1.045	0.089	0.093	4.0	/
LTE FDD Band 12	Handheld Right(0mm)	704	1RB	10	/	/	/	/	/	/	/
LTE FDD Band 12	Handheld Right(0mm)	707.5	1RB	10	22.65	22.90	1.059	0.187	0.198	4.0	/
LTE FDD Band 12	Handheld Right(0mm)	711	1RB	10	/	/	/	/	/	/	/
LTE FDD Band 12	Handheld Right(0mm)	707.5	50%RB	10	22.51	22.70	1.045	0.146	0.153	4.0	/
LTE FDD Band 12	Handheld Bottom(0mm)	704	1RB	10	/	/	/	/	/	/	/
LTE FDD Band 12	Handheld Bottom(0mm)	707.5	1RB	10	22.65	22.90	1.059	0.159	0.168	4.0	/
LTE FDD Band 12	Handheld Bottom(0mm)	711	1RB	10	/	/	/	/	/	/	/
LTE FDD Band 12	Handheld Bottom(0mm)	707.5	50%RB	10	22.51	22.70	1.045	0.131	0.137	4.0	/

SAR Test Data

Environmental Conditions

Temperature:	22.1-23.2℃
Relative Humidity:	59%
Test Date:	2020/11/28

The testing was performed by Bard Liu.

Band	Mode	Freq. (MHz) Position	Test Mode	Bandwidth (MHz)	Max. Meas. Power (dBm)	Max. Rated Power (dBm)	Scaled Factor	Meas.	Scaled SAR	Limit	Plot
LTE FDD Band 17	Head Left Cheek	709	1RB	10	/	/	/	/	/	/	/
LTE FDD Band 17	Head Left Cheek	710	1RB	10	22.49	22.70	1.050	0.146	0.153	1.6	/
LTE FDD Band 17	Head Left Cheek	711	1RB	10	/	/	/	/	/	/	/
LTE FDD Band 17	Head Left Cheek	710	50%RB	10	21.87	22.10	1.054	0.122	0.129	1.6	/
LTE FDD Band 17	Head Left Tilt	709	1RB	10	/	/	/	/	/	/	/
LTE FDD Band 17	Head Left Tilt	710	1RB	10	22.49	22.70	1.050	0.075	0.079	1.6	/
LTE FDD Band 17	Head Left Tilt	711	1RB	10	/	/	/	/	/	/	/
LTE FDD Band 17	Head Left Tilt	710	50%RB	10	21.87	22.10	1.054	0.065	0.069	1.6	/
LTE FDD Band 17	Head Right Cheek	709	1RB	10	/	/	/	/	/	/	/
LTE FDD Band 17	Head Right Cheek	710	1RB	10	22.49	22.70	1.050	**0.153**	**0.161**	1.6	28#
LTE FDD Band 17	Head Right Cheek	711	1RB	10	/	/	/	/	/	/	/
LTE FDD Band 17	Head Right Cheek	710	50%RB	10	21.87	22.10	1.054	0.138	0.146	1.6	/
LTE FDD Band 17	Head Right Tilt	709	1RB	10	/	/	/	/	/	/	/
LTE FDD Band 17	Head Right Tilt	710	1RB	10	22.49	22.70	1.050	0.076	0.079	1.6	/
LTE FDD Band 17	Head Right Tilt	711	1RB	10	/	/	/	/	/	/	/
LTE FDD Band 17	Head Right Tilt	710	50%RB	10	21.87	22.10	1.054	0.064	0.068	1.6	/

SAR Test Data

Environmental Conditions

Temperature:	22.2-23.0℃
Relative Humidity:	63%
Test Date:	2020/09/29

The testing was performed by Bard Liu.

Band	Mode	Freq. (MHz) Position	Test Mode	Bandwidth (MHz)	Max. Meas. Power (dBm)	Max. Rated Power (dBm)	Scaled Factor	Meas.	Scaled SAR	Limit	Plot
LTE FDD Band 17	Body Back(10mm)	709	1RB	10	/	/	/	/	/	/	/
LTE FDD Band 17	Body Back(10mm)	710	1RB	10	22.49	22.70	1.050	**0.153**	**0.161**	1.6	29#
LTE FDD Band 17	Body Back(10mm)	711	1RB	10	/	/	/	/	/	/	/
LTE FDD Band 17	Body Back(10mm)	710	50%RB	10	21.87	22.10	1.054	0.131	0.138	1.6	/
LTE FDD Band 17	Handheld Back(0mm)	709	1RB	10	/	/	/	/	/	/	/
LTE FDD Band 17	Handheld Back(0mm)	710	1RB	10	22.49	22.70	1.050	**0.277**	**0.291**	4.0	30#
LTE FDD Band 17	Handheld Back(0mm)	711	1RB	10	/	/	/	/	/	/	/
LTE FDD Band 17	Handheld Back(0mm)	710	50%RB	10	21.87	22.10	1.054	0.242	0.255	4.0	/
LTE FDD Band 17	Handheld Left(0mm)	709	1RB	10	/	/	/	/	/	/	/
LTE FDD Band 17	Handheld Left(0mm)	710	1RB	10	22.49	22.70	1.050	0.113	0.119	4.0	/
LTE FDD Band 17	Handheld Left(0mm)	711	1RB	10	/	/	/	/	/	/	/
LTE FDD Band 17	Handheld Left(0mm)	710	50%RB	10	21.87	22.10	1.054	0.097	0.103	4.0	/
LTE FDD Band 17	Handheld Right(0mm)	709	1RB	10	/	/	/	/	/	/	/
LTE FDD Band 17	Handheld Right(0mm)	710	1RB	10	22.49	22.70	1.050	0.179	0.188	4.0	/
LTE FDD Band 17	Handheld Right(0mm)	711	1RB	10	/	/	/	/	/	/	/
LTE FDD Band 17	Handheld Right(0mm)	710	50%RB	10	21.87	22.10	1.054	0.152	0.160	4.0	/
LTE FDD Band 17	Handheld Bottom(0mm)	709	1RB	10	/	/	/	/	/	/	/
LTE FDD Band 17	Handheld Bottom(0mm)	710	1RB	10	22.49	22.70	1.050	0.177	0.186	4.0	/
LTE FDD Band 17	Handheld Bottom(0mm)	711	1RB	10	/	/	/	/	/	/	/
LTE FDD Band 17	Handheld Bottom(0mm)	710	50%RB	10	21.87	22.10	1.054	0.149	0.157	4.0	/

SAR Test Data

Environmental Conditions

Temperature:	22.1-23.4℃
Relative Humidity:	68%
Test Date:	2020/11/25

The testing was performed by Bard Liu.

Band	Mode	Freq. (MHz) Position	Test Mode	Bandwidth (MHz)	Max. Meas. Power (dBm)	Max. Rated Power (dBm)	Scaled Factor	Meas.	Scaled SAR	Limit	Plot
LTE FDD Band 25	Head Left Cheek	1860	1RB	20	/	/	/	/	/	/	/
LTE FDD Band 25	Head Left Cheek	1880	1RB	20	22.39	22.60	1.050	0.100	0.104	1.6	/
LTE FDD Band 25	Head Left Cheek	1905	1RB	20	/	/	/	/	/	/	/
LTE FDD Band 25	Head Left Cheek	1880	50%RB	20	21.36	21.60	1.057	0.075	0.079	1.6	/
LTE FDD Band 25	Head Left Tilt	1860	1RB	20	/	/	/	/	/	/	/
LTE FDD Band 25	Head Left Tilt	1880	1RB	20	22.39	22.60	1.050	0.083	0.087	1.6	/
LTE FDD Band 25	Head Left Tilt	1905	1RB	20	/	/	/	/	/	/	/
LTE FDD Band 25	Head Left Tilt	1880	50%RB	20	21.36	21.60	1.057	0.064	0.068	1.6	/
LTE FDD Band 25	Head Right Cheek	1860	1RB	20	/	/	/	/	/	/	/
LTE FDD Band 25	Head Right Cheek	1880	1RB	20	22.39	22.60	1.050	**0.242**	**0.254**	1.6	31#
LTE FDD Band 25	Head Right Cheek	1905	1RB	20	/	/	/	/	/	/	/
LTE FDD Band 25	Head Right Cheek	1880	50%RB	20	21.36	21.60	1.057	0.213	0.225	1.6	/
LTE FDD Band 25	Head Right Tilt	1860	1RB	20	/	/	/	/	/	/	/
LTE FDD Band 25	Head Right Tilt	1880	1RB	20	22.39	22.60	1.050	0.071	0.075	1.6	/
LTE FDD Band 25	Head Right Tilt	1905	1RB	20	/	/	/	/	/	/	/
LTE FDD Band 25	Head Right Tilt	1880	50%RB	20	21.36	21.60	1.057	0.054	0.057	1.6	/

SAR Test Data

Environmental Conditions

Temperature:	22.1-23.2℃
Relative Humidity:	65%
Test Date:	2020/09/26

The testing was performed by Bard Liu.

Band	Mode	Freq. (MHz) Position	Test Mode	Bandwidth (MHz)	Max. Meas. Power (dBm)	Max. Rated Power (dBm)	Scaled Factor	Meas.	Scaled SAR	Limit	Plot
LTE FDD Band 25	Body Back(10mm)	1860	1RB	20	/	/	/	/	/	/	/
LTE FDD Band 25	Body Back(10mm)	1880	1RB	20	22.39	22.60	1.050	**0.478**	**0.502**	1.6	32#
LTE FDD Band 25	Body Back(10mm)	1905	1RB	20	/	/	/	/	/	/	/
LTE FDD Band 25	Body Back(10mm)	1880	50%RB	20	21.36	21.60	1.057	0.421	0.445	1.6	/
LTE FDD Band 25	Handheld Back(0mm)	1860	1RB	20	/	/	/	/	/	/	/
LTE FDD Band 25	Handheld Back(0mm)	1880	1RB	20	22.39	22.60	1.050	**1.110**	**1.165**	4.0	33#
LTE FDD Band 25	Handheld Back(0mm)	1905	1RB	20	/	/	/	/	/	/	/
LTE FDD Band 25	Handheld Back(0mm)	1880	50%RB	20	21.36	21.60	1.057	0.988	1.044	4.0	/
LTE FDD Band 25	Handheld Left(0mm)	1860	1RB	20	/	/	/	/	/	/	/
LTE FDD Band 25	Handheld Left(0mm)	1880	1RB	20	22.39	22.60	1.050	0.072	0.075	4.0	/
LTE FDD Band 25	Handheld Left(0mm)	1905	1RB	20	/	/	/	/	/	/	/
LTE FDD Band 25	Handheld Left(0mm)	1880	50%RB	20	21.36	21.60	1.057	0.063	0.067	4.0	/
LTE FDD Band 25	Handheld Right(0mm)	1860	1RB	20	/	/	/	/	/	/	/
LTE FDD Band 25	Handheld Right(0mm)	1880	1RB	20	22.39	22.60	1.050	0.942	0.989	4.0	/
LTE FDD Band 25	Handheld Right(0mm)	1905	1RB	20	/	/	/	/	/	/	/
LTE FDD Band 25	Handheld Right(0mm)	1880	50%RB	20	21.36	21.60	1.057	0.827	0.874	4.0	/
LTE FDD Band 25	Handheld Bottom(0mm)	1860	1RB	20	/	/	/	/	/	/	/
LTE FDD Band 25	Handheld Bottom(0mm)	1880	1RB	20	22.39	22.60	1.050	0.578	0.607	4.0	/
LTE FDD Band 25	Handheld Bottom(0mm)	1905	1RB	20	/	/	/	/	/	/	/
LTE FDD Band 25	Handheld Bottom(0mm)	1880	50%RB	20	21.36	21.60	1.057	0.510	0.539	4.0	/

SAR Test Data

Environmental Conditions

Temperature:	22.2-23.3℃
Relative Humidity:	67%
Test Date:	2020/11/26

The testing was performed by Bard Liu.

Band	Mode	Freq. (MHz) Position	Test Mode	Bandwidth (MHz)	Max. Meas. Power (dBm)	Max. Rated Power (dBm)	Scaled Factor	Meas.	Scaled SAR	Limit	Plot
LTE FDD Band 26	Head Left Cheek	821.5	1RB	15	/	/	/	/	/	/	/
LTE FDD Band 26	Head Left Cheek	831.5	1RB	15	22.23	22.40	1.040	0.366	0.381	1.6	/
LTE FDD Band 26	Head Left Cheek	841.5	1RB	15	/	/	/	/	/	/	/
LTE FDD Band 26	Head Left Cheek	831.5	50%RB	15	21.94	22.10	1.038	0.325	0.337	1.6	/
LTE FDD Band 26	Head Left Tilt	821.5	1RB	15	/	/	/	/	/	/	/
LTE FDD Band 26	Head Left Tilt	831.5	1RB	15	22.23	22.40	1.040	0.157	0.163	1.6	/
LTE FDD Band 26	Head Left Tilt	841.5	1RB	15	/	/	/	/	/	/	/
LTE FDD Band 26	Head Left Tilt	831.5	50%RB	15	21.94	22.10	1.038	0.125	0.130	1.6	/
LTE FDD Band 26	Head Right Cheek	821.5	1RB	15	/	/	/	/	/	/	/
LTE FDD Band 26	Head Right Cheek	831.5	1RB	15	22.23	22.40	1.040	**0.421**	**0.438**	1.6	34#
LTE FDD Band 26	Head Right Cheek	841.5	1RB	15	/	/	/	/	/	/	/
LTE FDD Band 26	Head Right Cheek	831.5	50%RB	15	21.94	22.10	1.038	0.375	0.389	1.6	/
LTE FDD Band 26	Head Right Tilt	821.5	1RB	15	/	/	/	/	/	/	/
LTE FDD Band 26	Head Right Tilt	831.5	1RB	15	22.23	22.40	1.040	0.182	0.189	1.6	/
LTE FDD Band 26	Head Right Tilt	841.5	1RB	15	/	/	/	/	/	/	/
LTE FDD Band 26	Head Right Tilt	831.5	50%RB	15	21.94	22.10	1.038	0.144	0.149	1.6	/

SAR Test Data

Environmental Conditions

Temperature:	22.1-23.4℃
Relative Humidity:	68%
Test Date:	2020/09/27

The testing was performed by Bard Liu.

Band	Mode	Freq. (MHz) Position	Test Mode	Bandwidth (MHz)	Max. Meas. Power (dBm)	Max. Rated Power (dBm)	Scaled Factor	Meas.	Scaled SAR	Limit	Plot
LTE FDD Band 26	Body Back(10mm)	821.5	1RB	15	/	/	/	/	/	/	/
LTE FDD Band 26	Body Back(10mm)	831.5	1RB	15	22.23	22.40	1.040	**0.235**	**0.244**	1.6	35#
LTE FDD Band 26	Body Back(10mm)	841.5	1RB	15	/	/	/	/	/	/	/
LTE FDD Band 26	Body Back(10mm)	831.5	50%RB	15	21.94	22.10	1.038	0.198	0.205	1.6	/
LTE FDD Band 26	Handheld Back(0mm)	821.5	1RB	15	/	/	/	/	/	/	/
LTE FDD Band 26	Handheld Back(0mm)	831.5	1RB	15	22.23	22.40	1.040	**0.562**	**0.584**	4.0	36#
LTE FDD Band 26	Handheld Back(0mm)	841.5	1RB	15	/	/	/	/	/	/	/
LTE FDD Band 26	Handheld Back(0mm)	831.5	50%RB	15	21.94	22.10	1.038	0.484	0.502	4.0	/
LTE FDD Band 26	Handheld Left(0mm)	821.5	1RB	15	/	/	/	/	/	/	/
LTE FDD Band 26	Handheld Left(0mm)	831.5	1RB	15	22.23	22.40	1.040	0.176	0.183	4.0	/
LTE FDD Band 26	Handheld Left(0mm)	841.5	1RB	15	/	/	/	/	/	/	/
LTE FDD Band 26	Handheld Left(0mm)	831.5	50%RB	15	21.94	22.10	1.038	0.147	0.153	4.0	/
LTE FDD Band 26	Handheld Right(0mm)	821.5	1RB	15	/	/	/	/	/	/	/
LTE FDD Band 26	Handheld Right(0mm)	831.5	1RB	15	22.23	22.40	1.040	0.181	0.188	4.0	/
LTE FDD Band 26	Handheld Right(0mm)	841.5	1RB	15	/	/	/	/	/	/	/
LTE FDD Band 26	Handheld Right(0mm)	831.5	50%RB	15	21.94	22.10	1.038	0.149	0.155	4.0	/
LTE FDD Band 26	Handheld Bottom(0mm)	821.5	1RB	15	/	/	/	/	/	/	/
LTE FDD Band 26	Handheld Bottom(0mm)	831.5	1RB	15	22.23	22.40	1.040	0.317	0.330	4.0	/
LTE FDD Band 26	Handheld Bottom(0mm)	841.5	1RB	15	/	/	/	/	/	/	/
LTE FDD Band 26	Handheld Bottom(0mm)	831.5	50%RB	15	21.94	22.10	1.038	0.280	0.291	4.0	/

SAR Test Data

Environmental Conditions

Temperature:	22.1-23.4℃
Relative Humidity:	68%
Test Date:	2020/11/29

The testing was performed by Bard Liu.

Band	Mode	Freq. (MHz) Position	Test Mode	Bandwidth (MHz)	Max. Meas. Power (dBm)	Max. Rated Power (dBm)	Scaled Factor	Meas.	Scaled SAR	Limit	Plot
LTE FDD Band 66	Head Left Cheek	1710	1RB	20	/	/	/	/	/	/	/
LTE FDD Band 66	Head Left Cheek	1745	1RB	20	22.68	22.90	1.052	0.126	0.133	1.6	/
LTE FDD Band 66	Head Left Cheek	1780	1RB	20	/	/	/	/	/	/	/
LTE FDD Band 66	Head Left Cheek	1745	50%RB	20	22.09	22.30	1.050	0.101	0.106	1.6	/
LTE FDD Band 66	Head Left Tilt	1710	1RB	20	/	/	/	/	/	/	/
LTE FDD Band 66	Head Left Tilt	1745	1RB	20	22.68	22.90	1.052	0.108	0.114	1.6	/
LTE FDD Band 66	Head Left Tilt	1780	1RB	20	/	/	/	/	/	/	/
LTE FDD Band 66	Head Left Tilt	1745	50%RB	20	22.09	22.30	1.050	0.083	0.087	1.6	/
LTE FDD Band 66	Head Right Cheek	1710	1RB	20	/	/	/	/	/	/	/
LTE FDD Band 66	Head Right Cheek	1745	1RB	20	22.68	22.90	1.052	**0.343**	**0.361**	1.6	37#
LTE FDD Band 66	Head Right Cheek	1780	1RB	20	/	/	/	/	/	/	/
LTE FDD Band 66	Head Right Cheek	1745	50%RB	20	22.09	22.30	1.050	0.318	0.334	1.6	/
LTE FDD Band 66	Head Right Tilt	1710	1RB	20	/	/	/	/	/	/	/
LTE FDD Band 66	Head Right Tilt	1745	1RB	20	22.68	22.90	1.052	0.115	0.121	1.6	/
LTE FDD Band 66	Head Right Tilt	1780	1RB	20	/	/	/	/	/	/	/
LTE FDD Band 66	Head Right Tilt	1745	50%RB	20	22.09	22.30	1.050	0.088	0.093	1.6	/

SAR Test Data

Environmental Conditions

Temperature:	22.1-23.2℃
Relative Humidity:	65%
Test Date:	2020/09/26

The testing was performed by Bard Liu.

Band	Mode	Freq. (MHz) Position	Test Mode	Bandwidth (MHz)	Max. Meas. Power (dBm)	Max. Rated Power (dBm)	Scaled Factor	Meas.	Scaled SAR	Limit	Plot
LTE FDD Band 66	Body Back(10mm)	1710	1RB	20	/	/	/	/	/	/	/
LTE FDD Band 66	Body Back(10mm)	1745	1RB	20	22.68	22.90	1.052	**0.663**	**0.697**	1.6	38#
LTE FDD Band 66	Body Back(10mm)	1780	1RB	20	/	/	/	/	/	/	/
LTE FDD Band 66	Body Back(10mm)	1745	50%RB	20	22.09	22.30	1.050	0.541	0.568	1.6	/
LTE FDD Band 66	Handheld Back(0mm)	1710	1RB	20	/	/	/	/	/	/	/
LTE FDD Band 66	Handheld Back(0mm)	1745	1RB	20	22.68	22.90	1.052	**1.260**	**1.325**	4.0	39#
LTE FDD Band 66	Handheld Back(0mm)	1780	1RB	20	/	/	/	/	/	/	/
LTE FDD Band 66	Handheld Back(0mm)	1745	50%RB	20	22.09	22.30	1.050	1.050	1.102	4.0	/
LTE FDD Band 66	Handheld Left(0mm)	1710	1RB	20	/	/	/	/	/	/	/
LTE FDD Band 66	Handheld Left(0mm)	1745	1RB	20	22.68	22.90	1.052	0.093	0.098	4.0	/
LTE FDD Band 66	Handheld Left(0mm)	1780	1RB	20	/	/	/	/	/	/	/
LTE FDD Band 66	Handheld Left(0mm)	1745	50%RB	20	22.09	22.30	1.050	0.074	0.078	4.0	/
LTE FDD Band 66	Handheld Right(0mm)	1710	1RB	20	/	/	/	/	/	/	/
LTE FDD Band 66	Handheld Right(0mm)	1745	1RB	20	22.68	22.90	1.052	1.180	1.241	4.0	/
LTE FDD Band 66	Handheld Right(0mm)	1780	1RB	20	/	/	/	/	/	/	/
LTE FDD Band 66	Handheld Right(0mm)	1745	50%RB	20	22.09	22.30	1.050	0.992	1.041	4.0	/
LTE FDD Band 66	Handheld Bottom(0mm)	1710	1RB	20	/	/	/	/	/	/	/
LTE FDD Band 66	Handheld Bottom(0mm)	1745	1RB	20	22.68	22.90	1.052	0.508	0.534	4.0	/
LTE FDD Band 66	Handheld Bottom(0mm)	1780	1RB	20	/	/	/	/	/	/	/
LTE FDD Band 66	Handheld Bottom(0mm)	1745	50%RB	20	22.09	22.30	1.050	0.421	0.442	4.0	/

SAR Test Data

Environmental Conditions

Temperature:	22.2-23.1℃
Relative Humidity:	61%
Test Date:	2020/11/27

The testing was performed by Bard Liu.

Band	Mode	Freq. (MHz) Position	Test Mode	Bandwidth (MHz)	Max. Meas. Power (dBm)	Max. Rated Power (dBm)	Scaled Factor	Meas.	Scaled SAR	Limit	Plot
LTE TDD Band 38	Head Left Cheek	2580	1RB	20	/	/	/	/	/	/	/
LTE TDD Band 38	Head Left Cheek	2595	1RB	20	22.22	22.40	1.042	0.150	0.156	1.6	/
LTE TDD Band 38	Head Left Cheek	2610	1RB	20	/	/	/	/	/	/	/
LTE TDD Band 38	Head Left Cheek	2595	50%RB	20	22.14	22.30	1.038	0.115	0.119	1.6	/
LTE TDD Band 38	Head Left Tilt	2580	1RB	20	/	/	/	/	/	/	/
LTE TDD Band 38	Head Left Tilt	2595	1RB	20	22.22	22.40	1.042	0.097	0.101	1.6	/
LTE TDD Band 38	Head Left Tilt	2610	1RB	20	/	/	/	/	/	/	/
LTE TDD Band 38	Head Left Tilt	2595	50%RB	20	22.14	22.30	1.038	0.075	0.078	1.6	/
LTE TDD Band 38	Head Right Cheek	2580	1RB	20	/	/	/	/	/	/	/
LTE TDD Band 38	Head Right Cheek	2595	1RB	20	22.22	22.40	1.042	**0.237**	**0.247**	1.6	40#
LTE TDD Band 38	Head Right Cheek	2610	1RB	20	/	/	/	/	/	/	/
LTE TDD Band 38	Head Right Cheek	2595	50%RB	20	22.14	22.30	1.038	0.201	0.209	1.6	/
LTE TDD Band 38	Head Right Tilt	2580	1RB	20	/	/	/	/	/	/	/
LTE TDD Band 38	Head Right Tilt	2595	1RB	20	22.22	22.40	1.042	0.054	0.056	1.6	/
LTE TDD Band 38	Head Right Tilt	2610	1RB	20	/	/	/	/	/	/	/
LTE TDD Band 38	Head Right Tilt	2595	50%RB	20	22.14	22.30	1.038	0.042	0.044	1.6	/

SAR Test Data

Environmental Conditions

Temperature:	22.2-23.1℃
Relative Humidity:	61%
Test Date:	2020/09/28

The testing was performed by Bard Liu.

Band	Mode	Freq. (MHz) Position	Test Mode	Bandwidth (MHz)	Max. Meas. Power (dBm)	Max. Rated Power (dBm)	Scaled Factor	Meas.	Scaled SAR	Limit	Plot
LTE TDD Band 38	Body Back(10mm)	2580	1RB	20	/	/	/	/	/	/	/
LTE TDD Band 38	Body Back(10mm)	2595	1RB	20	22.22	22.40	1.042	**0.197**	**0.205**	1.6	41#
LTE TDD Band 38	Body Back(10mm)	2610	1RB	20	/	/	/	/	/	/	/
LTE TDD Band 38	Body Back(10mm)	2595	50%RB	20	22.14	22.30	1.038	0.164	0.170	1.6	/
LTE TDD Band 38	Handheld Back(0mm)	2580	1RB	20	/	/	/	/	/	/	/
LTE TDD Band 38	Handheld Back(0mm)	2595	1RB	20	22.22	22.40	1.042	0.498	0.519	4.0	/
LTE TDD Band 38	Handheld Back(0mm)	2610	1RB	20	/	/	/	/	/	/	/
LTE TDD Band 38	Handheld Back(0mm)	2595	50%RB	20	22.14	22.30	1.038	0.418	0.434	4.0	/
LTE TDD Band 38	Handheld Left(0mm)	2580	1RB	20	/	/	/	/	/	/	/
LTE TDD Band 38	Handheld Left(0mm)	2595	1RB	20	22.22	22.40	1.042	0.063	0.065	4.0	/
LTE TDD Band 38	Handheld Left(0mm)	2610	1RB	20	/	/	/	/	/	/	/
LTE TDD Band 38	Handheld Left(0mm)	2595	50%RB	20	22.14	22.30	1.038	0.052	0.054	4.0	/
LTE TDD Band 38	Handheld Right(0mm)	2580	1RB	20	/	/	/	/	/	/	/
LTE TDD Band 38	Handheld Right(0mm)	2595	1RB	20	22.22	22.40	1.042	**0.771**	**0.804**	4.0	42#
LTE TDD Band 38	Handheld Right(0mm)	2610	1RB	20	/	/	/	/	/	/	/
LTE TDD Band 38	Handheld Right(0mm)	2595	50%RB	20	22.14	22.30	1.038	0.655	0.680	4.0	/
LTE TDD Band 38	Handheld Bottom(0mm)	2580	1RB	20	/	/	/	/	/	/	/
LTE TDD Band 38	Handheld Bottom(0mm)	2595	1RB	20	22.22	22.40	1.042	0.650	0.678	4.0	/
LTE TDD Band 38	Handheld Bottom(0mm)	2610	1RB	20	/	/	/	/	/	/	/
LTE TDD Band 38	Handheld Bottom(0mm)	2595	50%RB	20	22.14	22.30	1.038	0.562	0.583	4.0	/

SAR Test Data

Environmental Conditions

Temperature:	22.2-23.1℃
Relative Humidity:	61%
Test Date:	2020/11/27

The testing was performed by Bard Liu.

Band	Mode	Freq. (MHz) Position	Test Mode	Bandwidth (MHz)	Max. Meas. Power (dBm)	Max. Rated Power (dBm)	Scaled Factor	Meas.	Scaled SAR	Limit	Plot
LTE TDD Band 41	Head Left Cheek	2565	1RB	20	/	/	/	/	/	/	/
LTE TDD Band 41	Head Left Cheek	2605	1RB	20	22.53	22.70	1.040	0.151	0.157	1.6	/
LTE TDD Band 41	Head Left Cheek	2645	1RB	20	/	/	/	/	/	/	/
LTE TDD Band 41	Head Left Cheek	2605	50%RB	20	21.70	21.90	1.047	0.118	0.124	1.6	/
LTE TDD Band 41	Head Left Tilt	2565	1RB	20	/	/	/	/	/	/	/
LTE TDD Band 41	Head Left Tilt	2605	1RB	20	22.53	22.70	1.040	0.098	0.101	1.6	/
LTE TDD Band 41	Head Left Tilt	2645	1RB	20	/	/	/	/	/	/	/
LTE TDD Band 41	Head Left Tilt	2605	50%RB	20	21.70	21.90	1.047	0.072	0.075	1.6	/
LTE TDD Band 41	Head Right Cheek	2565	1RB	20	/	/	/	/	/	/	/
LTE TDD Band 41	Head Right Cheek	2605	1RB	20	22.53	22.70	1.040	**0.239**	**0.249**	1.6	43#
LTE TDD Band 41	Head Right Cheek	2645	1RB	20	/	/	/	/	/	/	/
LTE TDD Band 41	Head Right Cheek	2605	50%RB	20	21.70	21.90	1.047	0.211	0.221	1.6	/
LTE TDD Band 41	Head Right Tilt	2565	1RB	20	/	/	/	/	/	/	/
LTE TDD Band 41	Head Right Tilt	2605	1RB	20	22.53	22.70	1.040	0.054	0.056	1.6	/
LTE TDD Band 41	Head Right Tilt	2645	1RB	20	/	/	/	/	/	/	/
LTE TDD Band 41	Head Right Tilt	2605	50%RB	20	21.70	21.90	1.047	0.036	0.038	1.6	/

SAR Test Data

Environmental Conditions

Temperature:	22.2-23.1℃
Relative Humidity:	61%
Test Date:	2020/09/28

The testing was performed by Bard Liu.

Band	Mode	Freq. (MHz) Position	Test Mode	Bandwidth (MHz)	Max. Meas. Power (dBm)	Max. Rated Power (dBm)	Scaled Factor	Meas.	Scaled SAR	Limit	Plot
LTE TDD Band 41	Body Back(10mm)	2565	1RB	20	/	/	/	/	/	/	/
LTE TDD Band 41	Body Back(10mm)	2605	1RB	20	22.53	22.70	1.040	**0.197**	**0.205**	1.6	44#
LTE TDD Band 41	Body Back(10mm)	2645	1RB	20	/	/	/	/	/	/	/
LTE TDD Band 41	Body Back(10mm)	2605	50%RB	20	21.70	21.90	1.047	0.168	0.176	1.6	/
LTE TDD Band 41	Handheld Back(0mm)	2565	1RB	20	/	/	/	/	/	/	/
LTE TDD Band 41	Handheld Back(0mm)	2605	1RB	20	22.53	22.70	1.040	0.500	0.520	4.0	/
LTE TDD Band 41	Handheld Back(0mm)	2645	1RB	20	/	/	/	/	/	/	/
LTE TDD Band 41	Handheld Back(0mm)	2605	50%RB	20	21.70	21.90	1.047	0.430	0.450	4.0	/
LTE TDD Band 41	Handheld Left(0mm)	2565	1RB	20	/	/	/	/	/	/	/
LTE TDD Band 41	Handheld Left(0mm)	2605	1RB	20	22.53	22.70	1.040	0.066	0.068	4.0	/
LTE TDD Band 41	Handheld Left(0mm)	2645	1RB	20	/	/	/	/	/	/	/
LTE TDD Band 41	Handheld Left(0mm)	2605	50%RB	20	21.70	21.90	1.047	0.056	0.059	4.0	/
LTE TDD Band 41	Handheld Right(0mm)	2565	1RB	20	/	/	/	/	/	/	/
LTE TDD Band 41	Handheld Right(0mm)	2605	1RB	20	22.53	22.70	1.040	**0.764**	**0.794**	4.0	45#
LTE TDD Band 41	Handheld Right(0mm)	2645	1RB	20	/	/	/	/	/	/	/
LTE TDD Band 41	Handheld Right(0mm)	2605	50%RB	20	21.70	21.90	1.047	0.653	0.684	4.0	/
LTE TDD Band 41	Handheld Bottom(0mm)	2565	1RB	20	/	/	/	/	/	/	/
LTE TDD Band 41	Handheld Bottom(0mm)	2605	1RB	20	22.53	22.70	1.040	0.698	0.726	4.0	/
LTE TDD Band 41	Handheld Bottom(0mm)	2645	1RB	20	/	/	/	/	/	/	/
LTE TDD Band 41	Handheld Bottom(0mm)	2605	50%RB	20	21.70	21.90	1.047	0.613	0.642	4.0	/

Note:

1. When the SAR Value is less than half of the limit, testing for other channels are optional.
2. SAR for LTE band exposure configurations is measured according to the procedures of KDB 941225 D05 SAR for LTE Devices v02.
3. KDB941225D05-SAR for higher order modulation is required only when the highest maximum output power for the configuration in the higher order modulation is > 0.5 dB higher than the same configuration in QPSK or when the reported SAR for the QPSK configuration is > 1.45 W/kg
4. KDB941225D05-For QPSK with 100% RB allocation, when the reported SAR measured for the Highest output power channel is <1.45 W/kg, tests for the remaining required test channels are optional.
5.KDB941225D05- For 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.
6. KDB941225D05- 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 among RB offset the upper edge, middle and lower edge of each required test channel.
7. KDB941225D05- other channel bandwidths SAR test is required when the highest maximum output power of a configuration requiring testing in the smaller channel bandwidth is > 0.5 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.
8. Worst case SAR for 50% RB allocation is selected to be tested.

SAR Test Data

Environmental Conditions

Temperature:	22.2-23.1℃
Relative Humidity:	61%
Test Date:	2020/11/30

The testing was performed by Bard Liu.

Band	Mode	Freq. (MHz) Position	Test Mode	Max. Meas. Power (dBm)	Max. Rated Power (dBm)	Scaled Factor	Meas.	Scaled SAR	Limit	Plot
WLAN2.4G	Head Left Cheek	2412	802.11b 1Mbps	/	/	/	/	/	/	/
WLAN2.4G	Head Left Cheek	2437	802.11b 1Mbps	19.18	19.40	1.052	0.219	0.230	1.6	/
WLAN2.4G	Head Left Cheek	2462	802.11b 1Mbps	/	/	/	/	/	/	/
WLAN2.4G	Head Left Tilt	2412	802.11b 1Mbps	/	/	/	/	/	/	/
WLAN2.4G	Head Left Tilt	2437	802.11b 1Mbps	19.18	19.40	1.052	0.102	0.107	1.6	/
WLAN2.4G	Head Left Tilt	2462	802.11b 1Mbps	/	/	/	/	/	/	/
WLAN2.4G	Head Right Cheek	2412	802.11b 1Mbps	/	/	/	/	/	/	/
WLAN2.4G	Head Right Cheek	2437	802.11b 1Mbps	19.18	19.40	1.052	**0.381**	**0.401**	1.6	46#
WLAN2.4G	Head Right Cheek	2462	802.11b 1Mbps	/	/	/	/	/	/	/
WLAN2.4G	Head Right Tilt	2412	802.11b 1Mbps	/	/	/	/	/	/	/
WLAN2.4G	Head Right Tilt	2437	802.11b 1Mbps	19.18	19.40	1.052	0.124	0.130	1.6	/
WLAN2.4G	Head Right Tilt	2462	802.11b 1Mbps	/	/	/	/	/	/	/

SAR Test Data

Environmental Conditions

Temperature:	22.1-23.1℃
Relative Humidity:	62%
Test Date:	2020/10/01

The testing was performed by Bard Liu.

Band	Mode	Freq. (MHz) Position	Test Mode	Max. Meas. Power (dBm)	Max. Rated Power (dBm)	Scaled Factor	Meas.	Scaled SAR	Limit	Plot
WLAN2.4G	Body Back(10mm)	2412	802.11b 1Mbps	/	/	/	/	/	/	/
WLAN2.4G	Body Back(10mm)	2437	802.11b 1Mbps	19.18	19.40	1.052	**0.385**	**0.405**	1.6	47#
WLAN2.4G	Body Back(10mm)	2462	802.11b 1Mbps	/	/	/	/	/	/	/
WLAN2.4G	Handheld Back(0mm)	2412	802.11b 1Mbps	/	/	/	/	/	/	/
WLAN2.4G	Handheld Back(0mm)	2437	802.11b 1Mbps	19.18	19.40	1.052	**1.020**	**1.073**	4.0	48#
WLAN2.4G	Handheld Back(0mm)	2462	802.11b 1Mbps	/	/	/	/	/	/	/
WLAN2.4G	Handheld Left(0mm)	2412	802.11b 1Mbps	/	/	/	/	/	/	/
WLAN2.4G	Handheld Left(0mm)	2437	802.11b 1Mbps	19.18	19.40	1.052	0.237	0.249	4.0	/
WLAN2.4G	Handheld Left(0mm)	2462	802.11b 1Mbps	/	/	/	/	/	/	/
WLAN2.4G	Handheld Right(0mm)	2412	802.11b 1Mbps	/	/	/	/	/	/	/
WLAN2.4G	Handheld Right(0mm)	2437	802.11b 1Mbps	19.18	19.40	1.052	0.043	0.045	4.0	/
WLAN2.4G	Handheld Right(0mm)	2462	802.11b 1Mbps	/	/	/	/	/	/	/
WLAN2.4G	Handheld Top(0mm)	2412	802.11b 1Mbps	/	/	/	/	/	/	/
WLAN2.4G	Handheld Top(0mm)	2437	802.11b 1Mbps	19.18	19.40	1.052	0.286	0.301	4.0	/
WLAN2.4G	Handheld Top(0mm)	2462	802.11b 1Mbps	/	/	/	/	/	/	/

Note:

1. When the SAR Value is less than half of the limit, testing for other channels are optional.

2.When SAR or MPE is not measured at the maximum power level allowed for production units, the results must be scaled to the maximum tune-up tolerance limit according to the power applied to the individual channels tested to determine compliance.

3.KDB 248227 D01-SAR measurement is not required for 2.4 GHz OFDM(801.11g/n) when the highest reported SAR for DSSS(802.11b) is ≤ 1.2 W/kg, and the output power for DSSS is not less than that for OFDM.

SAR Test Data

Environmental Conditions

Temperature:	22.2-23.3℃
Relative Humidity:	62%
Test Date:	2020/12/01

The testing was performed by Bard Liu.

WLAN 5.2G:

Band	Mode	Freq. (MHz) Position	Test Mode	Max. Meas. Power (dBm)	Max. Rated Power (dBm)	Scaled Factor	Meas.	Scaled SAR	Limit	Plot
WLAN5G	Head Left Cheek	5180	802.11a 6Mbps	/	/	/	/	/	/	/
WLAN5G	Head Left Cheek	5200	802.11a 6Mbps	14.32	14.50	1.042	0.475	0.495	1.6	/
WLAN5G	Head Left Cheek	5240	802.11a 6Mbps	/	/	/	/	/	/	/
WLAN5G	Head Left Tilt	5180	802.11a 6Mbps	/	/	/	/	/	/	/
WLAN5G	Head Left Tilt	5200	802.11a 6Mbps	14.32	14.50	1.042	0.511	0.533	1.6	/
WLAN5G	Head Left Tilt	5240	802.11a 6Mbps	/	/	/	/	/	/	/
WLAN5G	Head Right Cheek	5180	802.11a 6Mbps	13.41	13.60	1.045	0.965	1.008	1.6	/
WLAN5G	Head Right Cheek	5200	802.11a 6Mbps	14.32	14.50	1.042	**0.975**	1.016	1.6	49#
WLAN5G	Head Right Cheek	5240	802.11a 6Mbps	13.09	13.30	1.050	0.920	0.966	1.6	/
WLAN5G	Head Right Tilt	5180	802.11a 6Mbps	13.41	13.60	1.045	0.844	0.882	1.6	/
WLAN5G	Head Right Tilt	5200	802.11a 6Mbps	14.32	14.50	1.042	0.861	0.897	1.6	/
WLAN5G	Head Right Tilt	5240	802.11a 6Mbps	13.09	13.30	1.050	0.792	0.831	1.6	/

SAR Test Data

Environmental Conditions

Temperature:	22.2-23.2℃
Relative Humidity:	63%
Test Date:	2020/10/02

The testing was performed by Bard Liu.

Band	Mode	Freq. (MHz) Position	Test Mode	Max. Meas. Power (dBm)	Max. Rated Power (dBm)	Scaled Factor	Meas.	Scaled SAR	Limit	Plot
WLAN5G	Body Back(10mm)	5180	802.11a 6Mbps	13.41	13.60	1.045	0.762	0.796	1.6	/
WLAN5G	Body Back(10mm)	5200	802.11a 6Mbps	14.32	14.50	1.042	0.773	0.806	1.6	/
WLAN5G	Body Back(10mm)	5240	802.11a 6Mbps	13.09	13.30	1.050	**0.775**	0.812	1.6	50#
WLAN5G	Handheld Back(0mm)	5180	802.11a 6Mbps	/	/	/	/	/	/	/
WLAN5G	Handheld Back(0mm)	5200	802.11a 6Mbps	14.32	14.50	1.042	**1.600**	**1.668**	4.0	51#
WLAN5G	Handheld Back(0mm)	5240	802.11a 6Mbps	/	/	/	/	/	/	/
WLAN5G	Handheld Left(0mm)	5180	802.11a 6Mbps	/	/	/	/	/	/	/
WLAN5G	Handheld Left(0mm)	5200	802.11a 6Mbps	14.32	14.50	1.042	0.162	0.169	4.0	/
WLAN5G	Handheld Left(0mm)	5240	802.11a 6Mbps	/	/	/	/	/	/	/
WLAN5G	Handheld Right(0mm)	5180	802.11a 6Mbps	/	/	/	/	/	/	/
WLAN5G	Handheld Right(0mm)	5200	802.11a 6Mbps	14.32	14.50	1.042	0.011	0.012	4.0	/
WLAN5G	Handheld Right(0mm)	5240	802.11a 6Mbps	/	/	/	/	/	/	/
WLAN5G	Handheld Top(0mm)	5180	802.11a 6Mbps	/	/	/	/	/	/	/
WLAN5G	Handheld Top(0mm)	5200	802.11a 6Mbps	14.32	14.50	1.042	1.400	1.459	4.0	/
WLAN5G	Handheld Top(0mm)	5240	802.11a 6Mbps	/	/	/	/	/	/	/

SAR Test Data

Environmental Conditions

Temperature:	22.1-23.2℃
Relative Humidity:	61%
Test Date:	2020/12/02

The testing was performed by Bard Liu.

WLAN 5.8G:

Band	Mode	Freq. (MHz) Position	Test Mode	Max. Meas. Power (dBm)	Max. Rated Power (dBm)	Scaled Factor	Meas.	Scaled SAR	Limit	Plot
WLAN5G	Head Left Cheek	5745	802.11a 6Mbps	/	/	/	/	/	/	/
WLAN5G	Head Left Cheek	5785	802.11a 6Mbps	12.04	12.3	1.062	0.641	0.681	1.6	/
WLAN5G	Head Left Cheek	5825	802.11a 6Mbps	/	/	/	/	/	/	/
WLAN5G	Head Left Tilt	5745	802.11a 6Mbps	/	/	/	/	/	/	/
WLAN5G	Head Left Tilt	5785	802.11a 6Mbps	12.04	12.3	1.062	0.657	0.698	1.6	/
WLAN5G	Head Left Tilt	5825	802.11a 6Mbps	/	/	/	/	/	/	/
WLAN5G	Head Right Cheek	5745	802.11a 6Mbps	11.02	11.2	1.042	0.780	0.813	1.6	/
WLAN5G	Head Right Cheek	5785	802.11a 6Mbps	12.04	12.3	1.062	0.821	0.872	1.6	/
WLAN5G	Head Right Cheek	5825	802.11a 6Mbps	10.07	10.3	1.054	0.632	0.666	1.6	/
WLAN5G	Head Right Tilt	5745	802.11a 6Mbps	11.02	11.2	1.042	0.851	0.887	1.6	/
WLAN5G	Head Right Tilt	5785	802.11a 6Mbps	12.04	12.3	1.062	**0.882**	**0.936**	1.6	52#
WLAN5G	Head Right Tilt	5825	802.11a 6Mbps	10.07	10.3	1.054	0.630	0.664	1.6	/

SAR Test Data

Environmental Conditions

Temperature:	22.1-23.3℃
Relative Humidity:	63%
Test Date:	2020/10/03

The testing was performed by Bard Liu.

Band	Mode	Freq. (MHz) Position	Test Mode	Max. Meas. Power (dBm)	Max. Rated Power (dBm)	Scaled Factor	Meas.	Scaled SAR	Limit	Plot
WLAN5G	Body Back(10mm)	5745	802.11a 6Mbps	11.02	11.2	1.042	**0.772**	0.805	1.6	53#
WLAN5G	Body Back(10mm)	5785	802.11a 6Mbps	12.04	12.3	1.062	0.763	0.810	1.6	/
WLAN5G	Body Back(10mm)	5825	802.11a 6Mbps	10.07	10.3	1.054	0.628	0.662	1.6	/
WLAN5G	Handheld Back(0mm)	5745	802.11a 6Mbps	/	/	/	/	/	/	/
WLAN5G	Handheld Back(0mm)	5785	802.11a 6Mbps	12.04	12.3	1.062	**0.681**	**0.723**	4.0	54#
WLAN5G	Handheld Back(0mm)	5825	802.11a 6Mbps	/	/	/	/	/	/	/
WLAN5G	Handheld Left(0mm)	5745	802.11a 6Mbps	/	/	/	/	/	/	/
WLAN5G	Handheld Left(0mm)	5785	802.11a 6Mbps	12.04	12.3	1.062	0.108	0.115	4.0	/
WLAN5G	Handheld Left(0mm)	5825	802.11a 6Mbps	/	/	/	/	/	/	/
WLAN5G	Handheld Right(0mm)	5745	802.11a 6Mbps	/	/	/	/	/	/	/
WLAN5G	Handheld Right(0mm)	5785	802.11a 6Mbps	12.04	12.3	1.062	0.003	0.003	4.0	/
WLAN5G	Handheld Right(0mm)	5825	802.11a 6Mbps	/	/	/	/	/	/	/
WLAN5G	Handheld Top(0mm)	5745	802.11a 6Mbps	/	/	/	/	/	/	/
WLAN5G	Handheld Top(0mm)	5785	802.11a 6Mbps	12.04	12.3	1.062	0.441	0.468	4.0	/
WLAN5G	Handheld Top(0mm)	5825	802.11a 6Mbps	/	/	/	/	/	/	/

SAR Test Data

Environmental Conditions

Temperature:	22.2-23.1℃
Relative Humidity:	61%
Test Date:	2020/11/30

The testing was performed by Bard Liu.

Band	Mode	Freq. (MHz) Position	Test Mode	Max. Meas. Power (dBm)	Max. Rated Power (dBm)	Scaled Factor	Meas.	Scaled SAR	Limit	Plot
BT BDR	Head Left Cheek	2402	GFSK	10.49	10.70	1.050	0.054	0.057	1.6	/
BT BDR	Head Left Cheek	2441	GFSK	/	/	/	/	/	/	/
BT BDR	Head Left Cheek	2480	GFSK	/	/	/	/	/	/	/
BT BDR	Head Left Tilt	2402	GFSK	10.49	10.70	1.050	0.018	0.019	1.6	/
BT BDR	Head Left Tilt	2441	GFSK	/	/	/	/	/	/	/
BT BDR	Head Left Tilt	2480	GFSK	/	/	/	/	/	/	/
BT BDR	Head Right Cheek	2402	GFSK	10.49	10.70	1.050	**0.128**	**0.134**	1.6	55#
BT BDR	Head Right Cheek	2441	GFSK	/	/	/	/	/	/	/
BT BDR	Head Right Cheek	2480	GFSK	/	/	/	/	/	/	/
BT BDR	Head Right Tilt	2402	GFSK	10.49	10.70	1.050	0.060	0.063	1.6	/
BT BDR	Head Right Tilt	2441	GFSK	/	/	/	/	/	/	/
BT BDR	Head Right Tilt	2480	GFSK	/	/	/	/	/	/	/

SAR Test Data

Environmental Conditions

Temperature:	22.1-23.1℃
Relative Humidity:	62%
Test Date:	2020/10/01

The testing was performed by Bard Liu.

Band	Mode	Freq. (MHz) Position	Test Mode	Max. Meas. Power (dBm)	Max. Rated Power (dBm)	Scaled Factor	Meas.	Scaled SAR	Limit	Plot
BT BDR	Body Back(10mm)	2402	GFSK	10.49	10.70	1.050	**0.046**	**0.048**	1.6	56#
BT BDR	Body Back(10mm)	2441	GFSK	/	/	/	/	/	/	/
BT BDR	Body Back(10mm)	2480	GFSK	/	/	/	/	/	/	/
BT BDR	Handheld Back(0mm)	2402	GFSK	10.49	10.70	1.050	**0.104**	**0.109**	4.0	57#
BT BDR	Handheld Back(0mm)	2441	GFSK	/	/	/	/	/	/	/
BT BDR	Handheld Back(0mm)	2480	GFSK	/	/	/	/	/	/	/
BT BDR	Handheld Left(0mm)	2402	GFSK	10.49	10.70	1.050	0.062	0.065	4.0	/
BT BDR	Handheld Left(0mm)	2441	GFSK	/	/	/	/	/	/	/
BT BDR	Handheld Left(0mm)	2480	GFSK	/	/	/	/	/	/	/
BT BDR	Handheld Right(0mm)	2402	GFSK	10.49	10.70	1.050	0.008	0.008	4.0	/
BT BDR	Handheld Right(0mm)	2441	GFSK	/	/	/	/	/	/	/
BT BDR	Handheld Right(0mm)	2480	GFSK	/	/	/	/	/	/	/
BT BDR	Handheld Top(0mm)	2402	GFSK	10.49	10.70	1.050	0.024	0.025	4.0	/
BT BDR	Handheld Top(0mm)	2441	GFSK	/	/	/	/	/	/	/
BT BDR	Handheld Top(0mm)	2480	GFSK	/	/	/	/	/	/	/

SAR SIMULTANEOUS TRANSMISSION DESCRIPTION

Simultaneous Transmission:

Description of Simultaneous Transmit Capabilities		
Transmitter Combination	**Simultaneous?**	**Hotspot?**
WWAN(WCDMA/LTE) + WLAN 2.4G	√	×
WWAN(WCDMA/LTE) + WLAN 5G	√	×
WWAN(WCDMA/LTE) + Bluetooth	√	×

Simultaneous Transmission Consideration Detail

Transmitter Combination	Position	Max SAR(W/kg)		∑SAR<1.6W/kg
		SAR1(WWAN)	SAR2(WLAN)	
WWAN+ WLAN 2.4G	Head Left Cheek	0.460	0.230	0.69
	Head Left Tilt	0.221	0.107	0.328
	Head Right Cheek	0.575	0.401	0.976
	Head Right Tilt	0.234	0.130	0.364

Transmitter Combination	Position	Max SAR(W/kg)		∑SAR<1.6W/kg
		SAR1(WWAN)	SAR2(WLAN)	
WWAN+ WLAN 5G	Head Left Cheek	0.460	0.681	1.141
	Head Left Tilt	0.221	0.698	0.919
	Head Right Cheek	0.575	1.016	1.591
	Head Right Tilt	0.234	0.936	1.170

Transmitter Combination	Position	Max SAR(W/kg)		∑SAR<1.6W/kg
		SAR1(WWAN)	SAR2(WLAN)	
WWAN+ Bluetooth	Head Left Cheek	0.460	0.057	0.517
	Head Left Tilt	0.221	0.019	0.240
	Head Right Cheek	0.575	0.134	0.709
	Head Right Tilt	0.234	0.063	0.296

Transmitter Combination	Position	Max SAR(W/kg)		∑SAR<1.6W/kg
		SAR1(WWAN)	SAR2(WLAN)	
WWAN+ WLAN 2.4G	Body Back	0.778	0.405	1.183

Transmitter Combination	Position	Max SAR(W/kg)		∑SAR<1.6W/kg
		SAR1(WWAN)	SAR2(WLAN)	
WWAN+ WLAN 5G	Body Back	0.778	0.812	1.59

Transmitter Combination	Position	Max SAR(W/kg)		∑SAR<1.6W/kg
		SAR1(WWAN)	SAR2(WLAN)	
WWAN+ Bluetooth	Body Back	0.778	0.048	0.826

Transmitter Combination	Position	Max SAR(W/kg)		∑SAR<4.0W/kg
		SAR1(WWAN)	SAR2(WLAN)	
WWAN+ WLAN 2.4G	Handheld Back	1.508	1.073	2.581
	Handheld Left	0.339	0.249	0.588
	Handheld Right	1.927	0.045	1.972
	Handheld Top	N/A	0.301	N/A
	Handheld Bottom	1.120	N/A	N/A

Transmitter Combination	Position	Max SAR(W/kg)		∑SAR<4.0W/kg
		SAR1(WWAN)	SAR2(WLAN)	
WWAN+ WLAN 5G	Handheld Back	1.508	1.668	3.176
	Handheld Left	0.339	0.169	0.508
	Handheld Right	1.927	0.012	1.939
	Handheld Top	N/A	1.459	N/A
	Handheld Bottom	1.120	N/A	N/A

Transmitter Combination	Position	Max SAR(W/kg)		∑SAR<4.0W/kg
		SAR1(WWAN)	SAR2(WLAN)	
WWAN+ Bluetooth	Handheld Back	1.508	0.109	1.617
	Handheld Left	0.339	0.065	0.404
	Handheld Right	1.927	0.008	1.935
	Handheld Top	N/A	0.025	N/A
	Handheld Bottom	1.120	N/A	N/A

Conclusion:

Sum of SAR: **ΣSAR ≤1.6 W/kg** for 1g Head &Body SAR, **ΣSAR ≤4.0 W/kg** for 10g Extremity SAR, thereforesimultaneous transmission SAR with Volume Scans is **not required**.

APPENDIX A MEASUREMENT UNCERTAINTY

The uncertainty budget has been determined for the measurement system and is given in the following Table.

Measurement uncertainty evaluation for IEEE1528-2013 SAR test

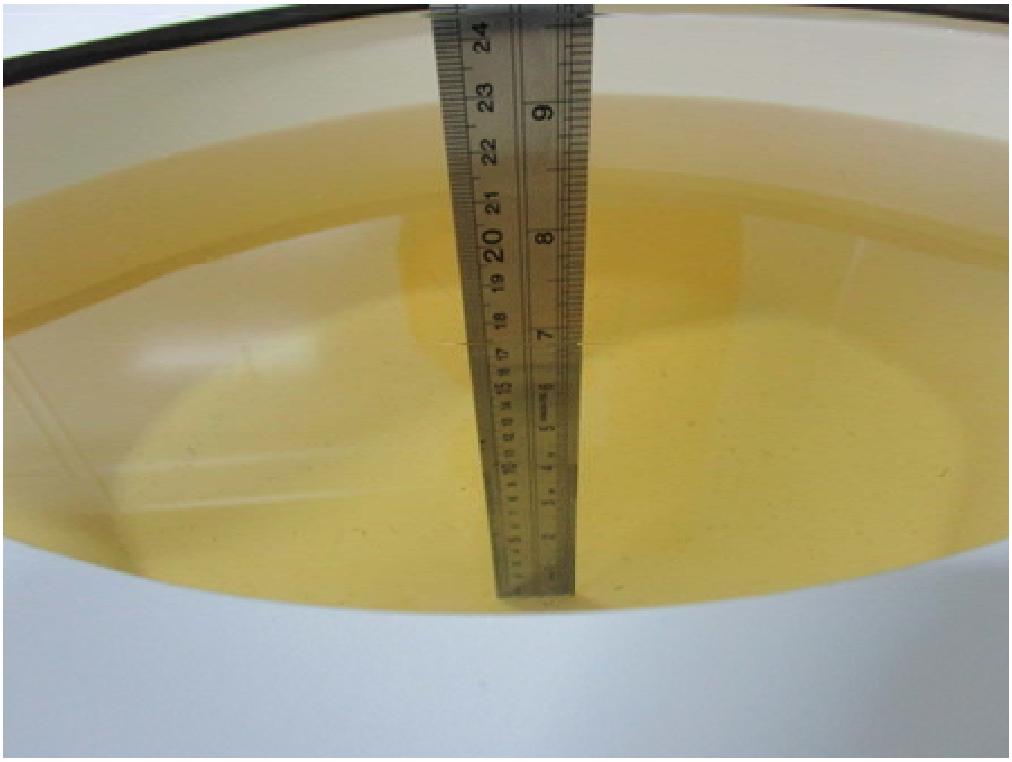
Source of uncertainty	Tolerance/ uncertainty ± %	Probability distribution	Divisor	ci (1 g)	ci (10 g)	Standard uncertainty ± %, (1 g)	Standard uncertainty ± %, (10 g)
Measurement system							
Probe calibration	6.55	N	1	1	1	6.6	6.6
Axial Isotropy	4.7	R	√3	1	1	2.7	2.7
Hemispherical Isotropy	9.6	R	√3	0	0	0.0	0.0
Boundary effect	1.0	R	√3	1	1	0.6	0.6
Linearity	4.7	R	√3	1	1	2.7	2.7
Detection limits	1.0	R	√3	1	1	0.6	0.6
Readout electronics	0.3	N	1	1	1	0.3	0.3
Response time	0.0	R	√3	1	1	0.0	0.0
Integration time	0.0	R	√3	1	1	0.0	0.0
RF ambientconditions – noise	1.0	R	√3	1	1	0.6	0.6
RF ambient conditions–reflections	1.0	R	√3	1	1	0.6	0.6
Probe positioner mech. Restrictions	0.8	R	√3	1	1	0.5	0.5
Probe positioning with respect to phantom shell	6.7	R	√3	1	1	3.9	3.9
Post-processing	2.0	R	√3	1	1	1.2	1.2
Test sample related							
Test sample positioning	2.8	N	1	1	1	2.8	2.8
Device holder uncertainty	6.3	N	1	1	1	6.3	6.3
Drift of output power	5.0	R	√3	1	1	2.9	2.9
Phantom and set-up							
Phantom uncertainty (shape and thickness tolerances)	4.0	R	√3	1	1	2.3	2.3
Liquid conductivity target)	5.0	R	√3	0.64	0.43	1.8	1.2
Liquid conductivity meas.)	2.5	N	1	0.64	0.43	1.6	1.1
Liquid permittivity target)	5.0	R	√3	0.6	0.49	1.7	1.4
Liquid permittivity meas.)	2.5	N	1	0.6	0.49	1.5	1.2
Combined standard uncertainty		RSS				12.2	12.0
Expanded uncertainty 95 % confidence interval)						24.3	23.9

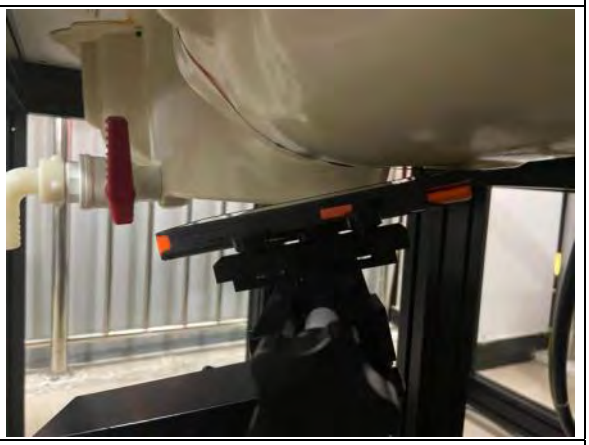
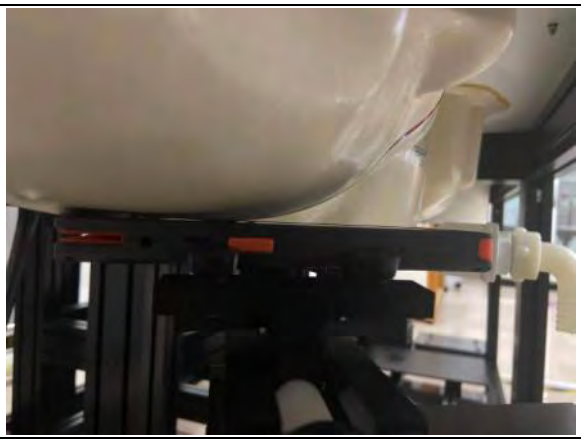
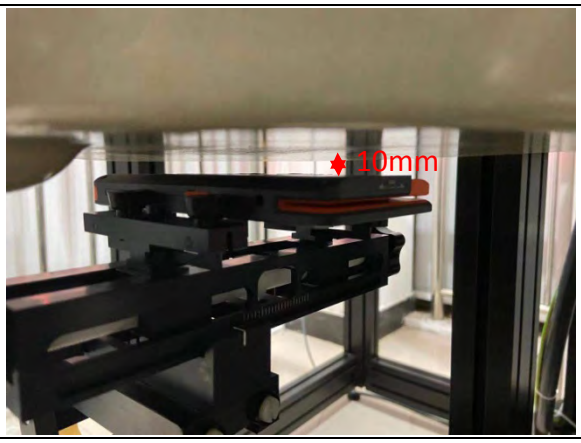
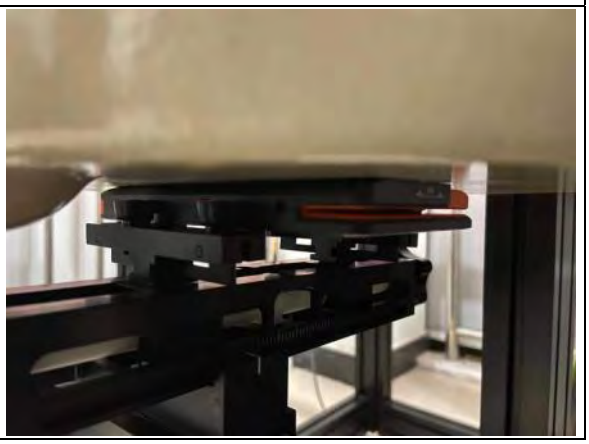
Measurement uncertainty evaluation for IEC62209-2 SAR test

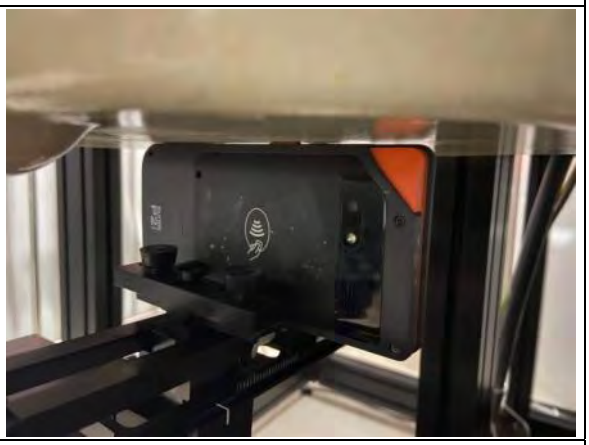
Source of uncertainty	Tolerance/ uncertainty ± %	Probability distribution	Divisor	ci (1 g)	ci (10 g)	Standard uncertainty ± %, (1 g)	Standard uncertainty ± %, (10 g)
Measurement system							
Probe calibration	6.55	N	1	1	1	6.6	6.6
Axial Isotropy	4.7	R	√3	1	1	2.7	2.7
Hemispherical Isotropy	9.6	R	√3	0	0	0.0	0.0
Linearity	4.7	R	√3	1	1	2.7	2.7
Modulation Response	0.0	R	√3	1	1	0.0	0.0
Detection limits	1.0	R	√3	1	1	0.6	0.6
Boundary effect	1.0	R	√3	1	1	0.6	0.6
Readout electronics	0.3	N	1	1	1	0.3	0.3
Response time	0.0	R	√3	1	1	0.0	0.0
Integration time	0.0	R	√3	1	1	0.0	0.0
RF ambient conditions – noise	1.0	R	√3	1	1	0.6	0.6
RF ambient conditions–reflections	1.0	R	√3	1	1	0.6	0.6
Probe positioner mech. Restrictions	0.8	R	√3	1	1	0.5	0.5
Probe positioning with respect to phantom shell	6.7	R	√3	1	1	3.9	3.9
Test sample related							
Device holder Uncertainty	6.3	N	1	1	1	6.3	6.3
Test sample positioning	2.8	N	1	1	1	2.8	2.8
Power scaling	4.5	R	√3	1	1	2.6	2.6
Drift of output power	5.0	R	√3	1	1	2.9	2.9
Phantom and set-up							
Phantom uncertainty (shape and thickness tolerances)	4.0	R	√3	1	1	2.3	2.3
Algorithm for correcting SAR for deviations in permittivity and conductivity	1.9	N	1	1	0.84	1.1	0.9
Liquid conductivity (meas.)	2.5	N	1	0.64	0.43	1.6	1.1
Liquid permittivity (meas.)	2.5	N	1	0.6	0.49	1.5	1.2
Temp. unc. - Conductivity	1.7	R	√3	0.78	0.71	0.8	0.7
Temp. unc. - Permittivity	0.3	R	√3	0.23	0.26	0.0	0.0
Combined standard uncertainty		RSS				12.2	12.1
Expanded uncertainty 95 % confidence interval)						24.5	24.2

APPENDIX B EUT TEST POSITION PHOTOS

Liquid depth ≥ 15cm



Head Left Cheek	Head Left Tilt
	
Head Right Cheek	**Head Right Tilt**
	
Body Back(10mm)	**Handheld Back (0mm)**
	

Handheld Left(0mm)	Handheld Right(0mm)
	
Handheld Top(0mm)	**Handheld Bottom(0mm)**
	

EUT-Front View	EUT-Back View
	

APPENDIX C SAR PLOTS OF SAR MEASUREMENT

Test Plot 1#

DUT: T5810; Serial: 354721086919621

Communication System: UID 0, GSM850; Frequency: 836.6 MHz;Duty Cycle: 1:8

Medium parameters used: f = 837 MHz; σ = 0.915 S/m; εr = 43.424; ρ = 1000 kg/m^3

Phantom section: Left Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7557; ConvF(10.05, 10.05, 10.05) @ 836.6 MHz; Calibrated: 11/5/2020
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn527; Calibrated: 7/9/2020
- Phantom: Twin-SAM V8.0 (20deg probe tilt)-Right; Type: QD 000 P40 CB; Serial: 1368
- Measurement SW: DASY52, Version 52.10 (2);

Head Left Cheek/GSM 850 Mid/Area Scan (61x111x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.550 W/kg

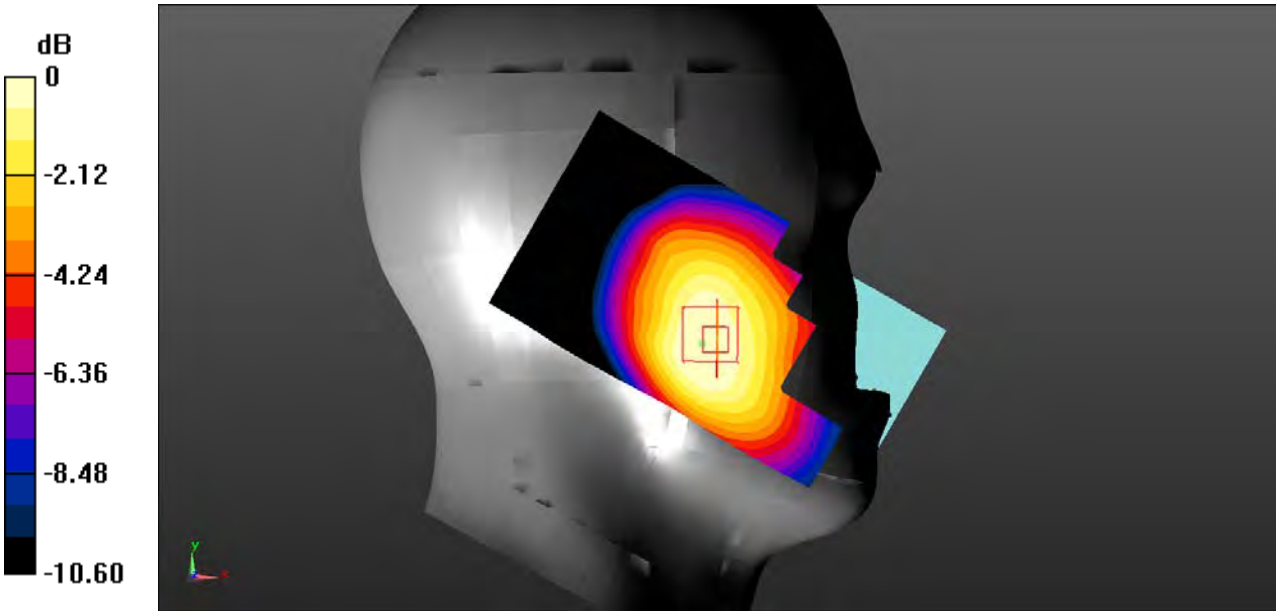
Head Left Cheek/GSM 850 Mid/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 24.51 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.586 W/kg

SAR(1 g) = 0.442 W/kg; SAR(10 g) = 0.327 W/kg

Maximum value of SAR (measured) = 0.526 W/kg



0 dB = 0.526 W/kg = -2.79 dBW/kg

Test Plot 2#

DUT: T5810; Serial: 354721086919621

Communication System: UID 0, Generic GPRS-4 slots; Frequency: 836.6 MHz;Duty Cycle: 1:2

Medium parameters used: f = 837 MHz; σ = 0.899 S/m; εr = 40.507; ρ = 1000 kg/m^3

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7557; ConvF(10.1, 10.1, 10.1) @ 836.6 MHz; Calibrated: 10/4/2019
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn527; Calibrated: 7/9/2020
- Phantom: Twin-SAM V8.0 (20deg probe tilt)-Right; Type: QD 000 P40 CB; Serial: 1368
- Measurement SW: DASY52, Version 52.10 (2);

Body Back/GSM 850 Mid/Area Scan (61x111x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.637 W/kg

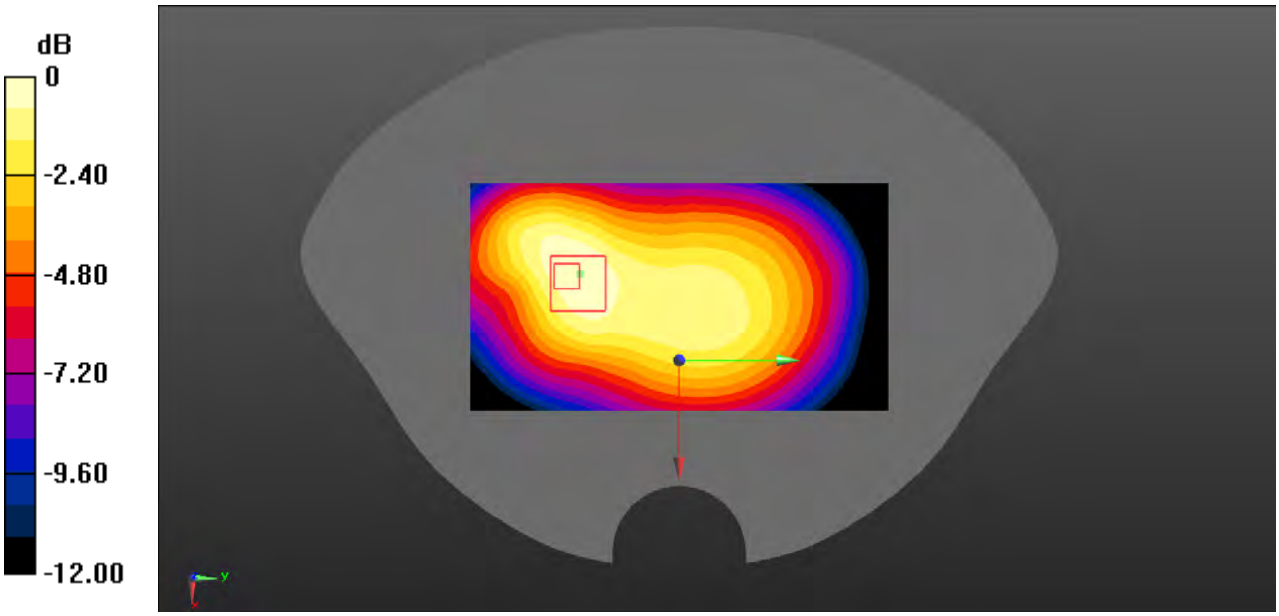
Body Back/GSM 850 Mid/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 22.97 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.708 W/kg

SAR(1 g) = 0.449 W/kg; SAR(10 g) = 0.297 W/kg

Maximum value of SAR (measured) = 0.620 W/kg



0 dB = 0.620 W/kg = -2.08 dBW/kg

Test Plot 3#

DUT: T5810; Serial: 354721086919621

Communication System: UID 0, Generic GPRS-4slots ; Frequency: 836.6 MHz;Duty Cycle: 1:2Medium parameters used: f = 837 MHz; σ = 0.899 S/m; εr = 40.507; ρ = 1000 kg/m^3

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7557; ConvF(10.1, 10.1, 10.1) @ 836.6 MHz; Calibrated: 10/4/2019
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn527; Calibrated: 7/9/2020
- Phantom: Twin-SAM V8.0 (20deg probe tilt)-Right; Type: QD 000 P40 CB; Serial: 1368
- Measurement SW: DASY52, Version 52.10 (2);

Handheld Back/GSM 850 Mid/Area Scan (61x111x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 2.42 W/kg

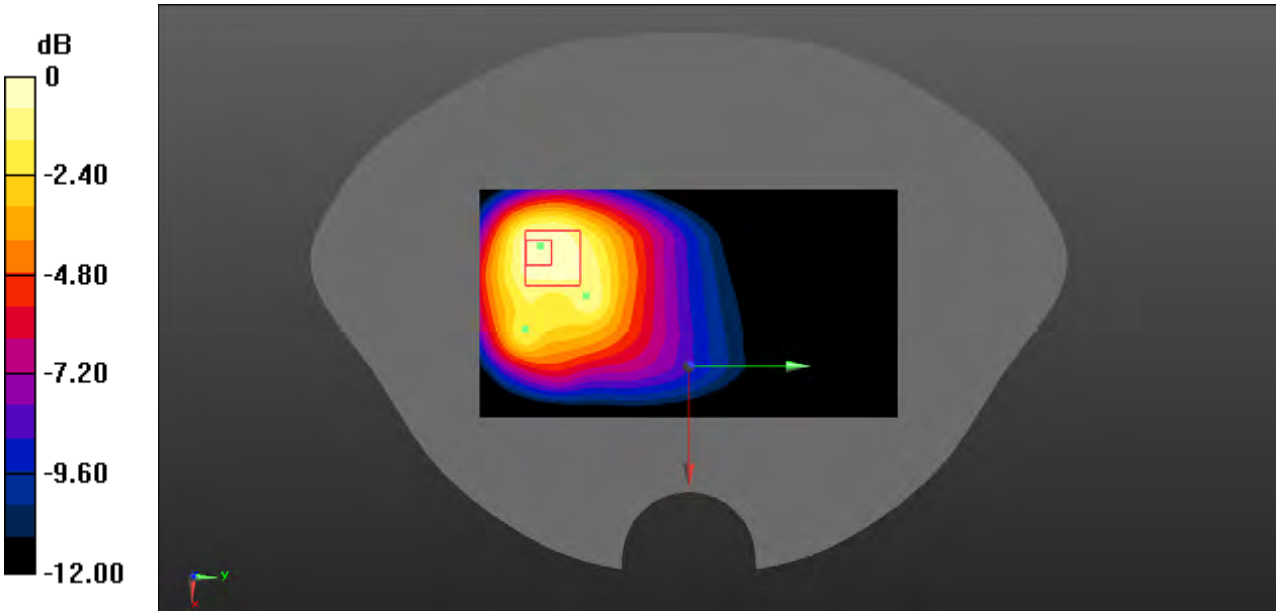
Handheld Back/GSM 850 Mid/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 44.97 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 3.15 W/kg

SAR(1 g) = 1.64 W/kg; SAR(10 g) = 1.01 W/kg

Maximum value of SAR (measured) = 2.40 W/kg



0 dB = 2.40 W/kg = 3.80 dBW/kg

Test Plot 4#

DUT: T5810; Serial: 354721086919621

Communication System: UID 0, PCS1900; Frequency: 1880 MHz;Duty Cycle: 1:8

Medium parameters used: f = 1880 MHz; σ = 1.365 S/m; εr = 38.183; ρ = 1000 kg/m^3

Phantom section: Right Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7557; ConvF(8.12, 8.12, 8.12) @ 1880 MHz; Calibrated: 11/5/2020
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn527; Calibrated: 7/9/2020
- Phantom: Twin-SAM V8.0 (20deg probe tilt)-Right; Type: QD 000 P40 CB; Serial: 1368
- Measurement SW: DASY52, Version 52.10 (2);

Head Right Cheek/PCS 1900 Mid/Area Scan (61x111x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.259 W/kg

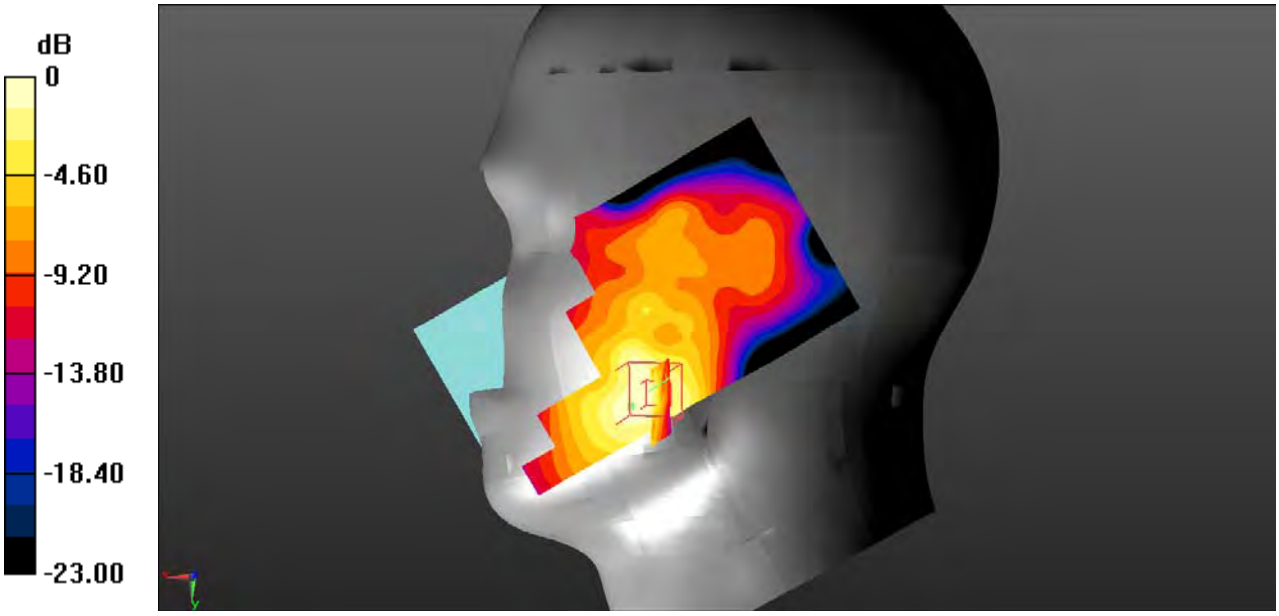
Head Right Cheek/PCS 1900 Mid/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.768 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.423 W/kg

SAR(1 g) = 0.208 W/kg; SAR(10 g) = 0.102 W/kg

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



0 dB = 0.308 W/kg = -5.11 dBW/kg

Test Plot 5#

DUT: T5810; Serial: 354721086919621

Communication System: UID 0, Generic GPRS-4 slots; Frequency: 1880 MHz;Duty Cycle: 1:2

Medium parameters used: f = 1880 MHz; σ = 1.389 S/m; εr = 38.842; ρ = 1000 kg/m^3

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7557; ConvF(8.36, 8.36, 8.36) @ 1880 MHz; Calibrated: 10/4/2019
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn527; Calibrated: 7/9/2020
- Phantom: Twin-SAM V8.0 (20deg probe tilt)-Right; Type: QD 000 P40 CB; Serial: 1368
- Measurement SW: DASY52, Version 52.10 (2);

Body Back/PCS 1900 Mid/Area Scan (61x111x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.916 W/kg

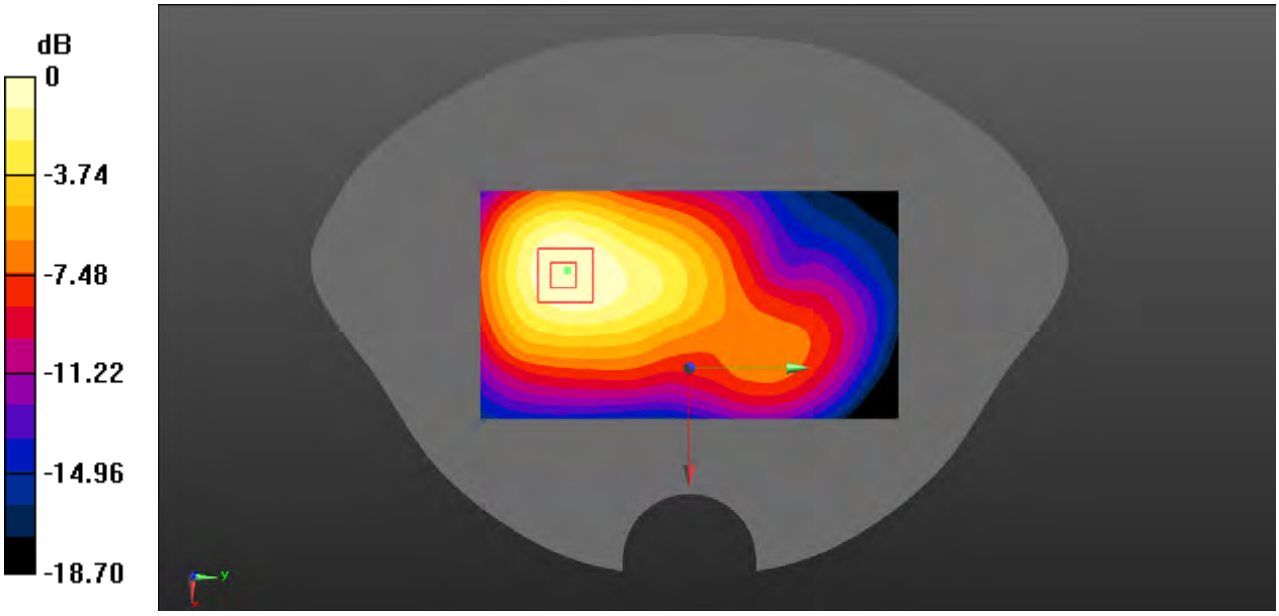
Body Back/PCS 1900 Mid/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 25.50 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 1.03 W/kg

SAR(1 g) = 0.587 W/kg; SAR(10 g) = 0.341 W/kg

Maximum value of SAR (measured) = 0.845 W/kg



0 dB = 0.845 W/kg = -0.73 dBW/kg

Test Plot 6#

DUT: T5810; Serial: 354721086919621

Communication System: UID 0, Generic GPRS-4 slots; Frequency: 1880 MHz;Duty Cycle: 1:2

Medium parameters used: f = 1880 MHz; σ = 1.389 S/m; εr = 38.842; ρ = 1000 kg/m^3

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7557; ConvF(8.36, 8.36, 8.36) @ 1880 MHz; Calibrated: 10/4/2019
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn527; Calibrated: 7/9/2020
- Phantom: Twin-SAM V8.0 (20deg probe tilt)-Right; Type: QD 000 P40 CB; Serial: 1368
- Measurement SW: DASY52, Version 52.10 (2);

Handheld Back/PCS 1900 Mid/Area Scan (61x111x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 3.74 W/kg

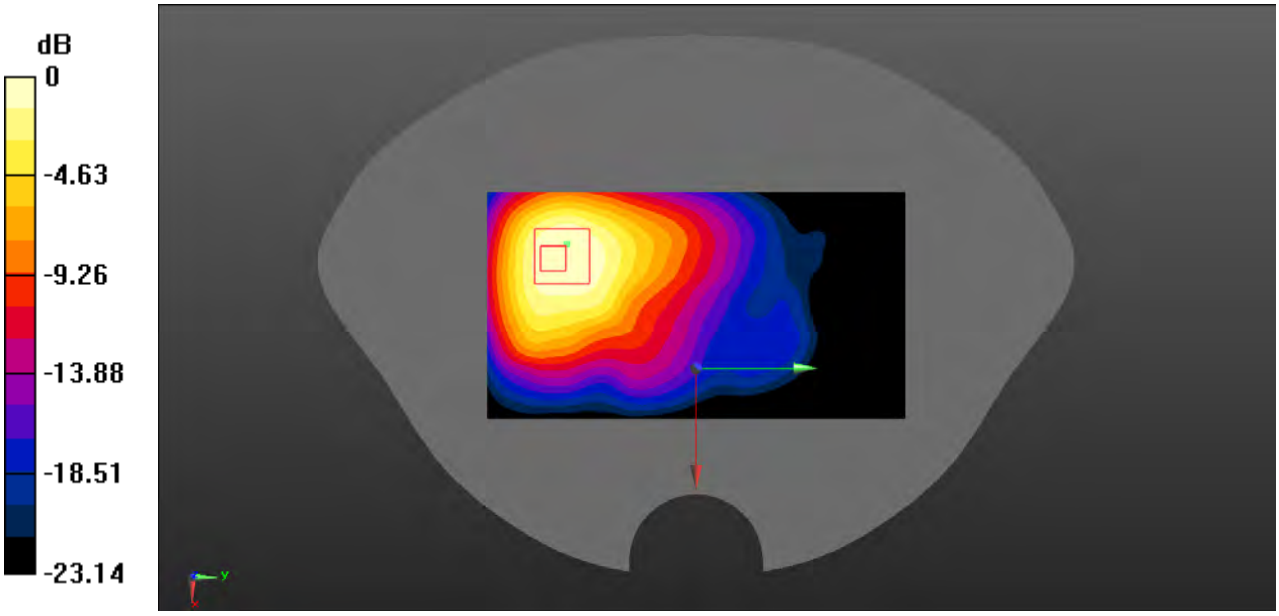
Handheld Back/PCS 1900 Mid/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 46.72 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 4.39 W/kg

SAR(1 g) = 2.23 W/kg; SAR(10 g) = 1.22 W/kg

Maximum value of SAR (measured) = 3.35 W/kg



0 dB = 3.35 W/kg = 5.25 dBW/kg

Test Plot 7#

DUT: T5810; Serial: 354721086919621

Communication System: UID 0, WCDMA ; Frequency: 1880MHz;Duty Cycle: 1:1

Medium parameters used: f = 1880 MHz; σ = 1.365 S/m; εr = 38.183; ρ = 1000 kg/m^3

Phantom section: Right Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7557; ConvF(8.12, 8.12, 8.12) @ 1880 MHz; Calibrated: 11/5/2020
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn527; Calibrated: 7/9/2020
- Phantom: Twin-SAM V8.0 (20deg probe tilt)-Right; Type: QD 000 P40 CB; Serial: 1368
- Measurement SW: DASY52, Version 52.10 (2);

Head Right Cheek/WCDMA Band 2 Mid/Area Scan (61x111x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.455 W/kg

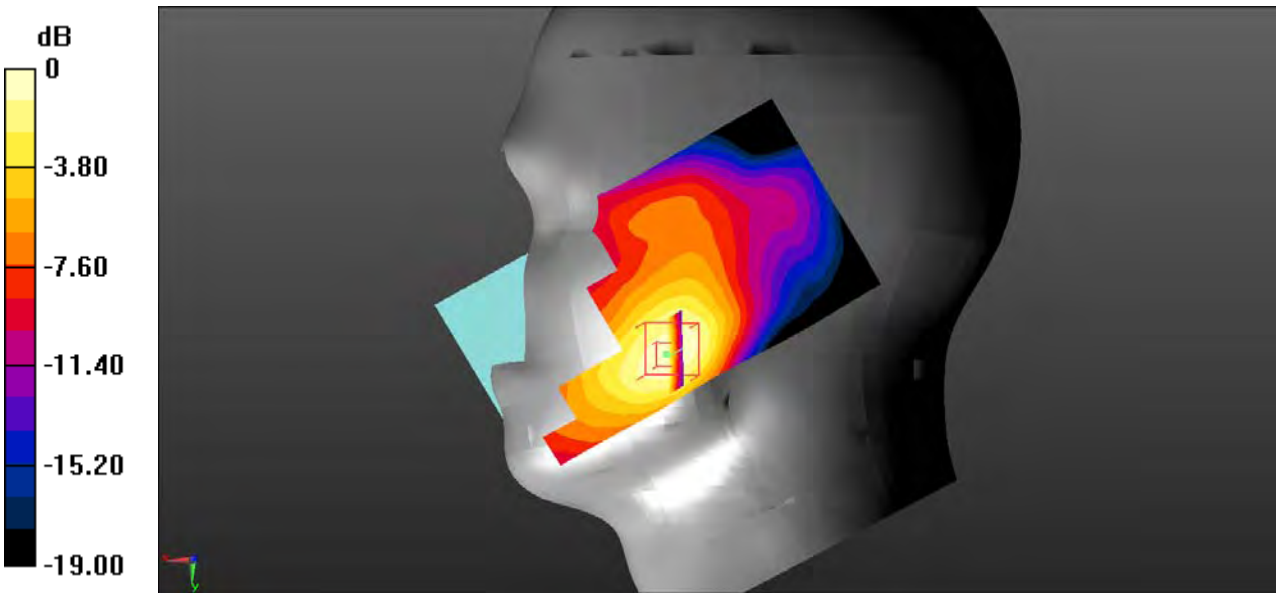
Head Right Cheek/WCDMA Band 2 Mid/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.27 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.515 W/kg

SAR(1 g) = 0.294 W/kg; SAR(10 g) = 0.171 W/kg

Maximum value of SAR (measured) = 0.438 W/kg



0 dB = 0.438 W/kg = -3.59 dBW/kg

Test Plot 8#

DUT: T5810; Serial: 354721086919621

Communication System: UID 0, WCDMA ; Frequency: 1880MHz;Duty Cycle: 1:1

Medium parameters used: f = 1880 MHz; σ = 1.389 S/m; εr = 38.842; ρ = 1000 kg/m^3

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7557; ConvF(8.36, 8.36, 8.36) @ 1880 MHz; Calibrated: 10/4/2019
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn527; Calibrated: 7/9/2020
- Phantom: Twin-SAM V8.0 (20deg probe tilt)-Right; Type: QD 000 P40 CB; Serial: 1368
- Measurement SW: DASY52, Version 52.10 (2);

Body Back/WCDMA Band 2 Mid/Area Scan (61x111x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.693 W/kg

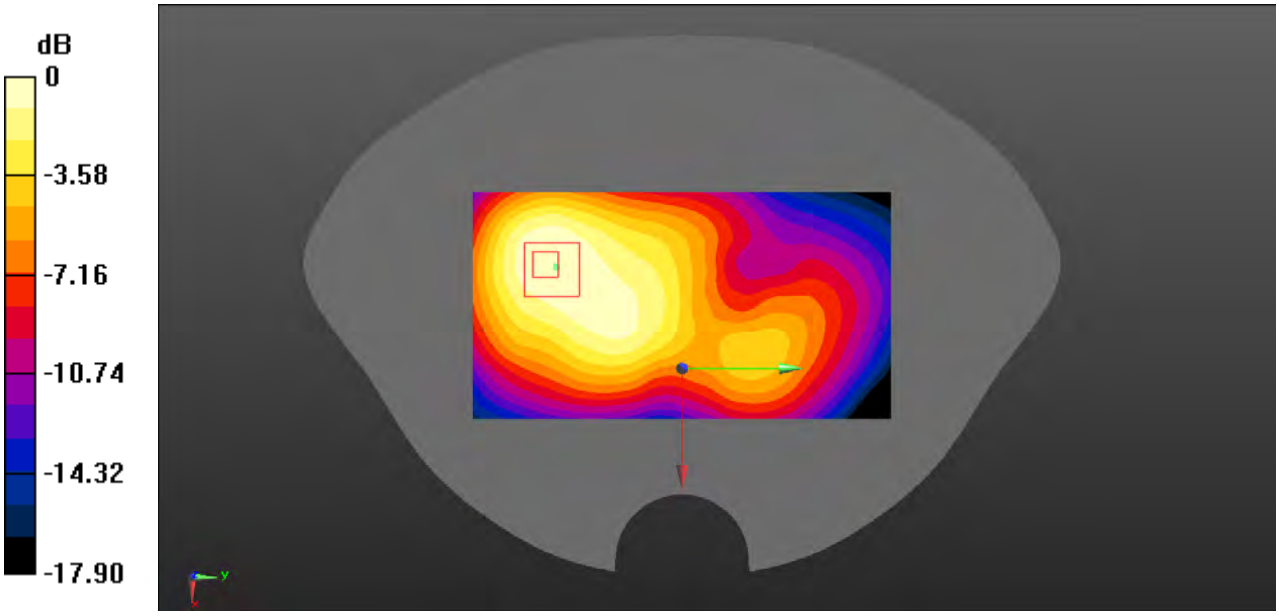
Body Back/WCDMA Band 2 Mid/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 22.61 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.818 W/kg

SAR(1 g) = 0.466 W/kg; SAR(10 g) = 0.277 W/kg

Maximum value of SAR (measured) = 0.676 W/kg



0 dB = 0.676 W/kg = -1.70 dBW/kg

Test Plot 9#

DUT: T5810; Serial: 354721086919621

Communication System: UID 0, WCDMA ; Frequency: 1880MHz;Duty Cycle: 1:1

Medium parameters used: f = 1880 MHz; σ = 1.389 S/m; εr = 38.842; ρ = 1000 kg/m^3

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7557; ConvF(8.36, 8.36, 8.36) @ 1880 MHz; Calibrated: 10/4/2019
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn527; Calibrated: 7/9/2020
- Phantom: Twin-SAM V8.0 (20deg probe tilt)-Right; Type: QD 000 P40 CB; Serial: 1368
- Measurement SW: DASY52, Version 52.10 (2);

Handheld Back/WCDMA Band 2 Mid/Area Scan (61x111x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 4.17 W/kg

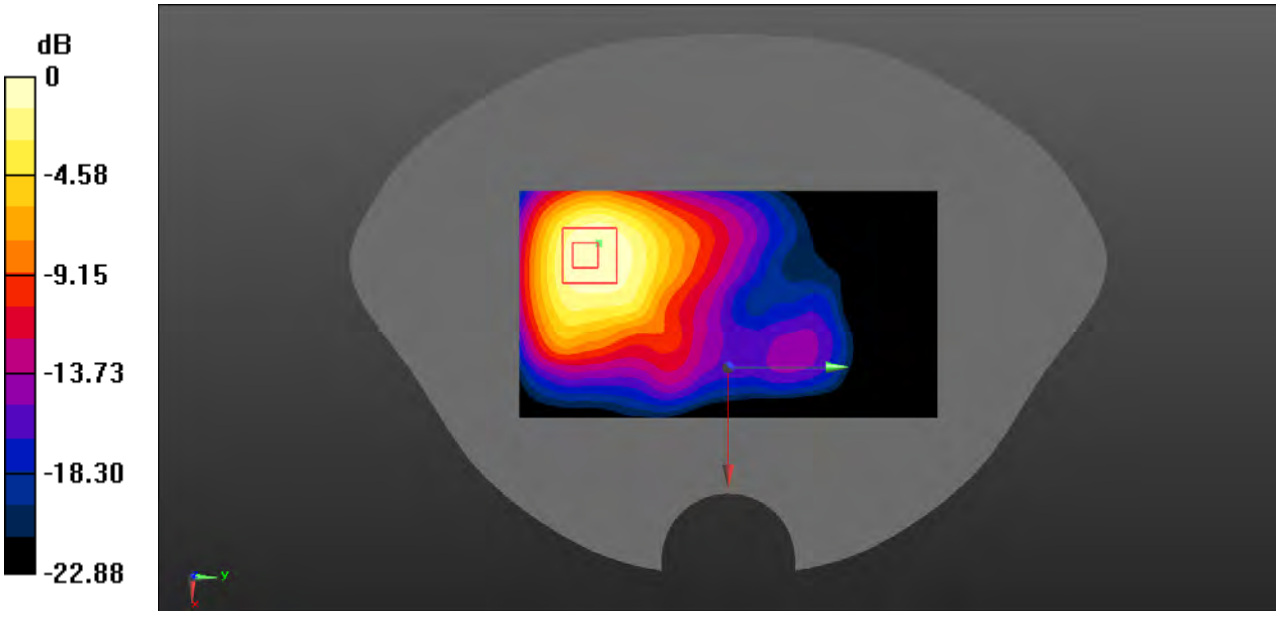
Handheld Back/WCDMA Band 2 Mid/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 48.71 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 4.86 W/kg

SAR(1 g) = 2.46 W/kg; SAR(10 g) = 1.32 W/kg

Maximum value of SAR (measured) = 3.71 W/kg



0 dB = 3.71 W/kg = 5.69 dBW/kg

Test Plot 10#

DUT: T5810; Serial: 354721086919621

Communication System: UID 0, WCDMA ; Frequency: 836.4 MHz;Duty Cycle: 1:1

Medium parameters used: f = 836.4 MHz; σ = 0.915 S/m; εr = 43.436; ρ = 1000 kg/m^3

Phantom section: Right Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7557; ConvF(10.05, 10.05, 10.05) @ 836.4 MHz; Calibrated: 11/5/2020
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn527; Calibrated: 7/9/2020
- Phantom: Twin-SAM V8.0 (20deg probe tilt)-Right; Type: QD 000 P40 CB; Serial: 1368
- Measurement SW: DASY52, Version 52.10 (2);

Head Right Cheek/WCDMA Band 5 Mid/Area Scan (61x111x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.519 W/kg

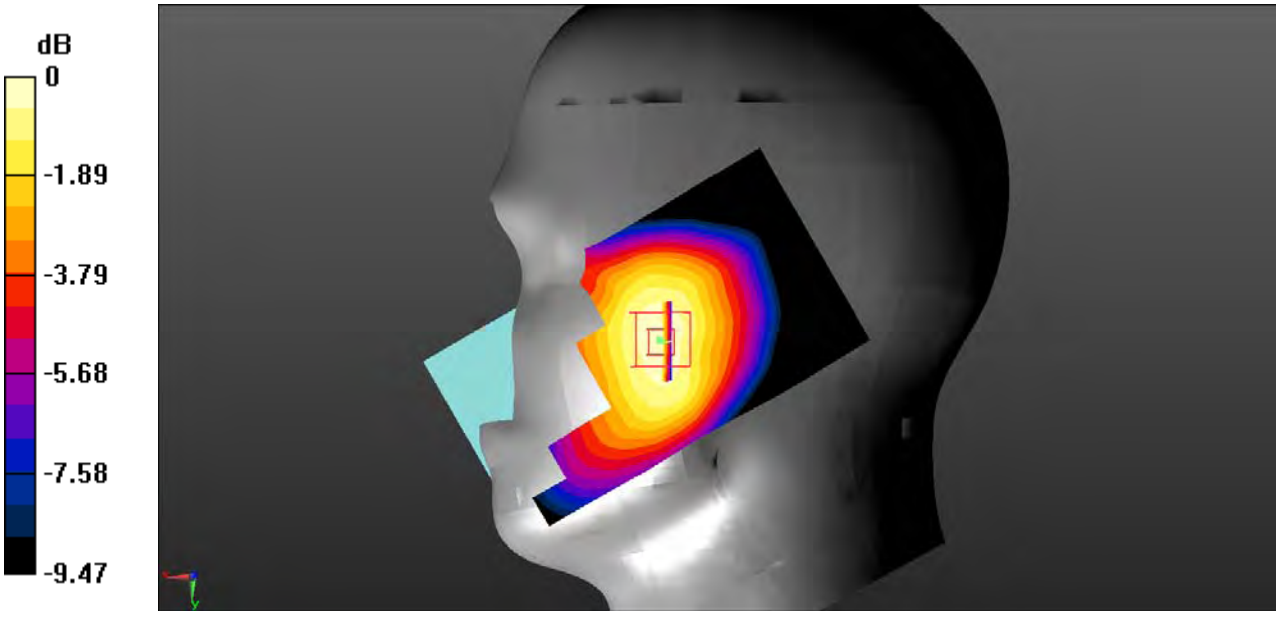
Head Right Cheek/WCDMA Band 5 Mid/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 23.78 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 0.590 W/kg

SAR(1 g) = 0.446 W/kg; SAR(10 g) = 0.331 W/kg

Maximum value of SAR (measured) = 0.535 W/kg



0 dB = 0.535 W/kg = -2.72 dBW/kg

Test Plot 11#

DUT: T5810; Serial: 354721086919621

Communication System: UID 0, WCDMA ; Frequency: 836.4 MHz;Duty Cycle: 1:1

Medium parameters used: f = 836.4 MHz; σ = 0.899 S/m; εr = 40.516; ρ = 1000 kg/m^3

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7557; ConvF(10.1, 10.1, 10.1) @ 836.4 MHz; Calibrated: 10/4/2019
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn527; Calibrated: 7/9/2020
- Phantom: Twin-SAM V8.0 (20deg probe tilt)-Right; Type: QD 000 P40 CB; Serial: 1368
- Measurement SW: DASY52, Version 52.10 (2);

Body Back/WCDMA Band 5 Mid/Area Scan (61x111x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.407 W/kg

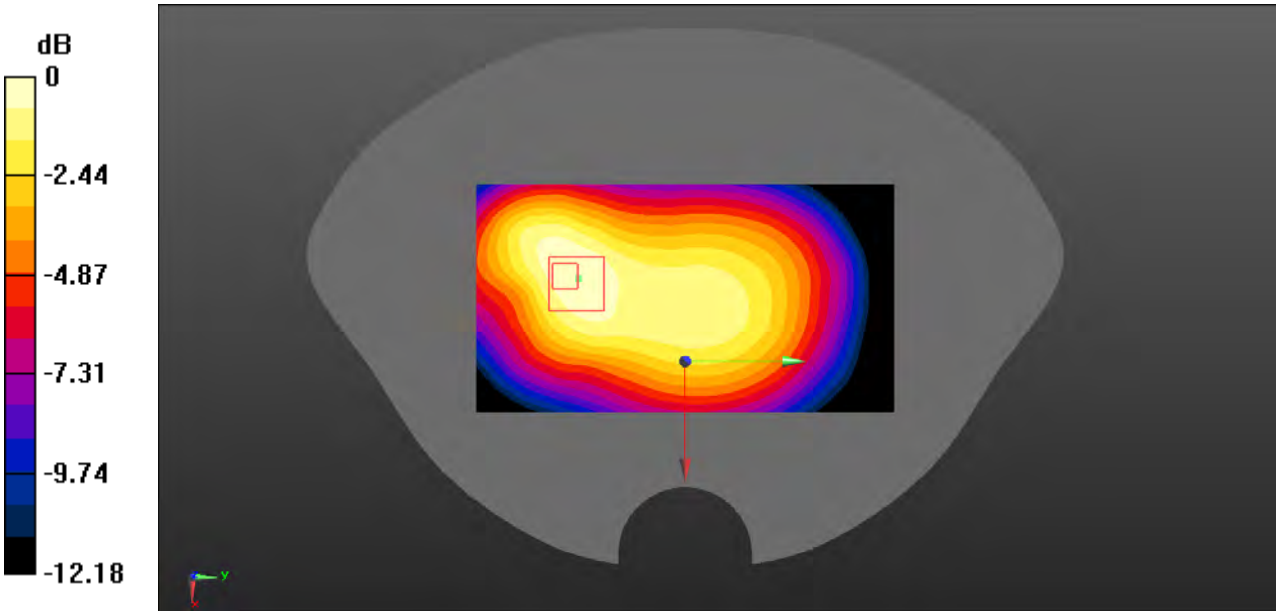
Body Back/WCDMA Band 5 Mid/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 21.90 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.466 W/kg

SAR(1 g) = 0.292 W/kg; SAR(10 g) = 0.192 W/kg

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



0 dB = 0.405 W/kg = -3.93 dBW/kg

Test Plot 12#

DUT: T5810; Serial: 354721086919621

Communication System: UID 0, WCDMA ; Frequency: 836.4 MHz;Duty Cycle: 1:1

Medium parameters used: f = 836.4 MHz; σ = 0.899 S/m; εr = 40.516; ρ = 1000 kg/m^3

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7557; ConvF(10.1, 10.1, 10.1) @ 836.4 MHz; Calibrated: 10/4/2019
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn527; Calibrated: 7/9/2020
- Phantom: Twin-SAM V8.0 (20deg probe tilt)-Right; Type: QD 000 P40 CB; Serial: 1368
- Measurement SW: DASY52, Version 52.10 (2);

Handheld Back/WCDMA Band 5 Mid/Area Scan (61x111x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.71 W/kg

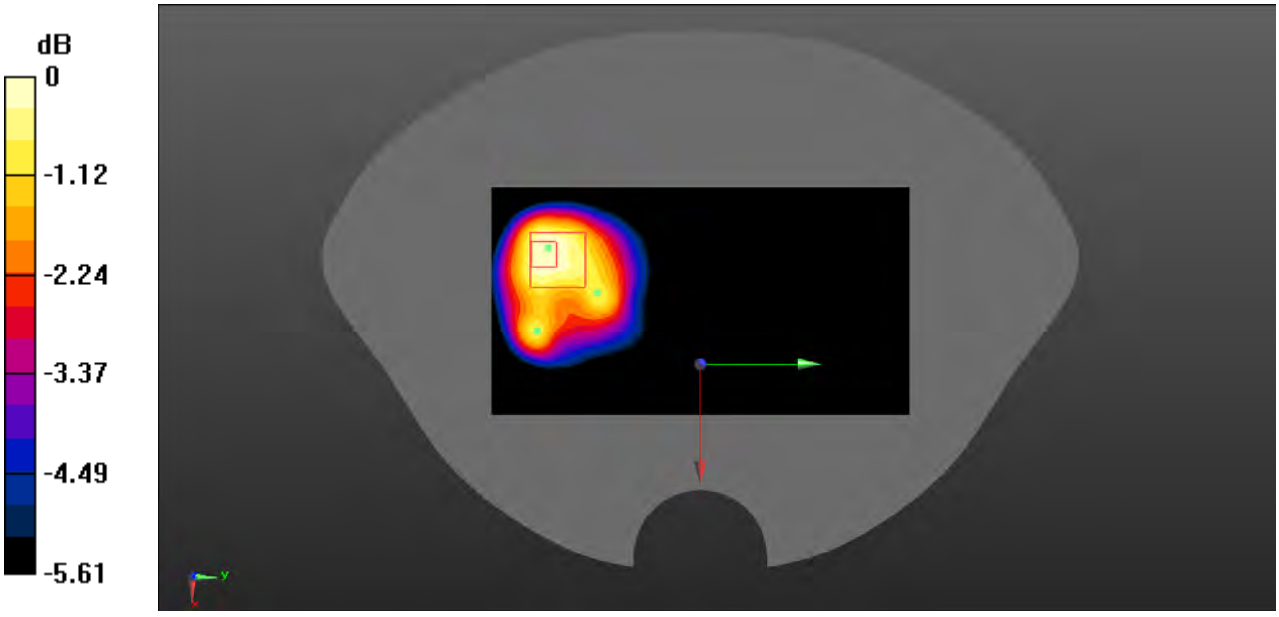
Handheld Back/WCDMA Band 5 Mid/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 39.10 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 2.17 W/kg

SAR(1 g) = 1.11 W/kg; SAR(10 g) = 0.680 W/kg

Maximum value of SAR (measured) = 1.67 W/kg



0 dB = 1.67 W/kg = 2.23 dBW/kg

Test Plot 13#

DUT: T5810; Serial: 354721086919621

Communication System: UID 0, Generic FDD-LTE ; Frequency: 1880 MHz;Duty Cycle: 1:1

Medium parameters used: f = 1880 MHz; σ = 1.365 S/m; εr = 38.183; ρ = 1000 kg/m^3

Phantom section: Right Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7557; ConvF(8.12, 8.12, 8.12) @ 1880 MHz; Calibrated: 11/5/2020
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn527; Calibrated: 7/9/2020
- Phantom: Twin-SAM V8.0 (20deg probe tilt)-Right; Type: QD 000 P40 CB; Serial: 1368
- Measurement SW: DASY52, Version 52.10 (2);

Head Right Cheek/LTE Band 2 1RB Mid/Area Scan (61x111x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.381 W/kg

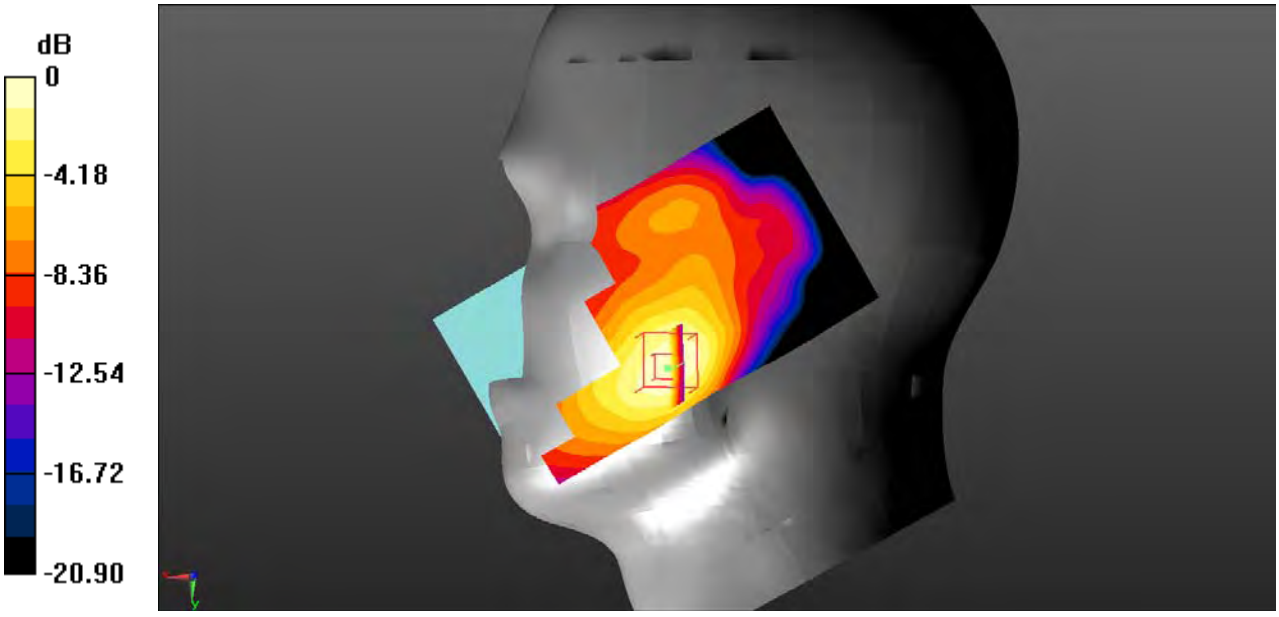
Head Right Cheek/LTE Band 2 1RB Mid/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.38 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.434 W/kg

SAR(1 g) = 0.242 W/kg; SAR(10 g) = 0.139 W/kg

Maximum value of SAR (measured) = 0.365 W/kg



0 dB = 0.365 W/kg = -4.38 dBW/kg

Test Plot 14#

DUT: T5810; Serial: 354721086919621

Communication System: UID 0, Generic FDD-LTE ; Frequency: 1880 MHz;Duty Cycle: 1:1

Medium parameters used: f = 1880 MHz; σ = 1.389 S/m; εr = 38.842; ρ = 1000 kg/m^3

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7557; ConvF(8.36, 8.36, 8.36) @ 1880 MHz; Calibrated: 10/4/2019
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn527; Calibrated: 7/9/2020
- Phantom: Twin-SAM V8.0 (20deg probe tilt)-Right; Type: QD 000 P40 CB; Serial: 1368
- Measurement SW: DASY52, Version 52.10 (2);

Body Back/LTE Band 2 1RB Mid/Area Scan (61x111x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.689 W/kg

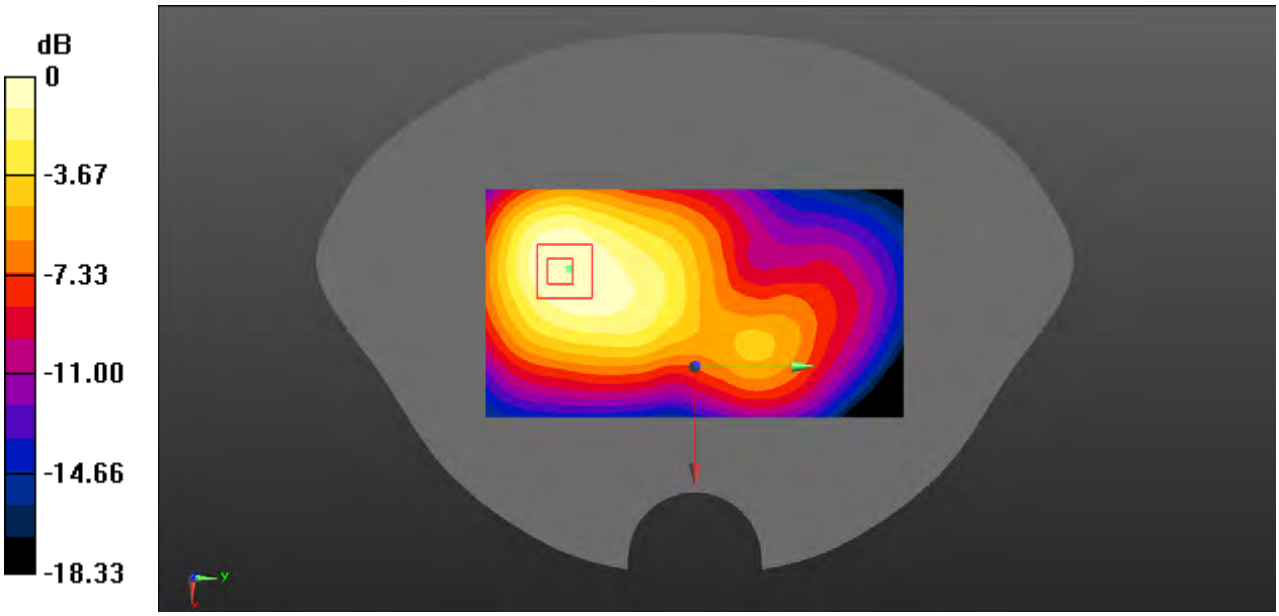
Body Back/LTE Band 2 1RB Mid/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 22.70 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.803 W/kg

SAR(1 g) = 0.452 W/kg; SAR(10 g) = 0.266 W/kg

Maximum value of SAR (measured) = 0.663 W/kg



0 dB = 0.663 W/kg = -1.78 dBW/kg

Test Plot 15#

DUT: T5810; Serial: 354721086919621

Communication System: UID 0, Generic FDD-LTE ; Frequency: 1880 MHz;Duty Cycle: 1:1

Medium parameters used: f = 1880 MHz; σ = 1.389 S/m; εr = 38.842; ρ = 1000 kg/m^3

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7557; ConvF(8.36, 8.36, 8.36) @ 1880 MHz; Calibrated: 10/4/2019
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn527; Calibrated: 7/9/2020
- Phantom: Twin-SAM V8.0 (20deg probe tilt)-Right; Type: QD 000 P40 CB; Serial: 1368
- Measurement SW: DASY52, Version 52.10 (2);

Handheld Back/LTE Band 2 1RB Mid/Area Scan (61x111x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 3.26 W/kg

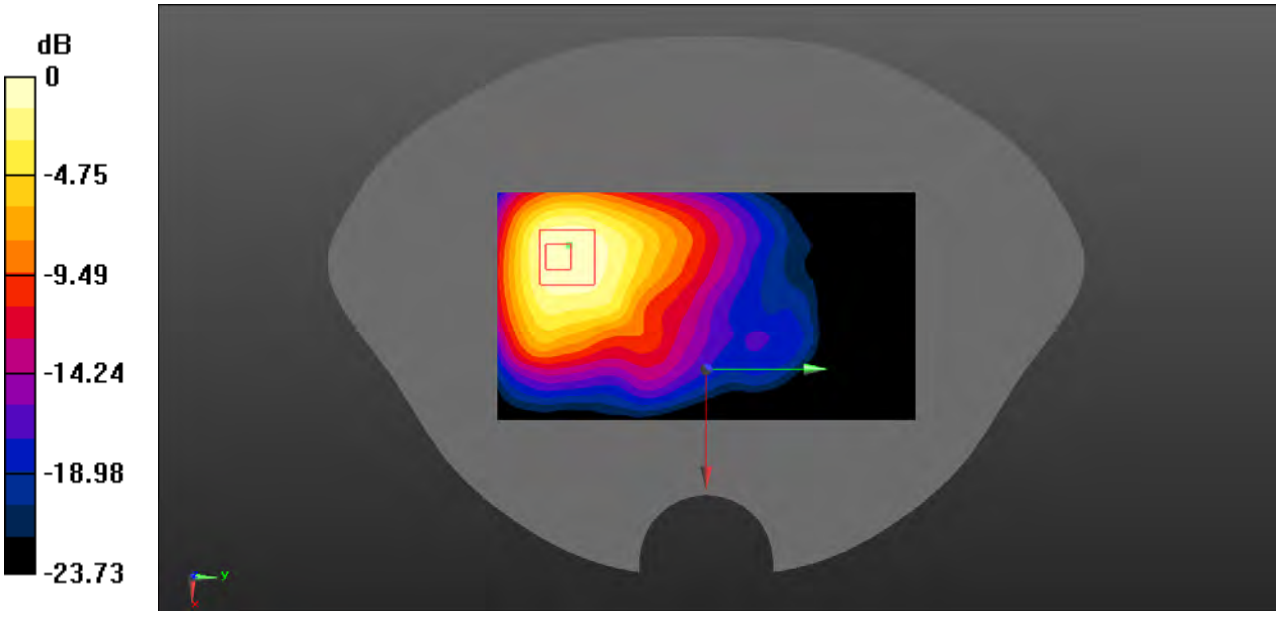
Handheld Back/LTE Band 2 1RB Mid/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 45.11 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 4.04 W/kg

SAR(1 g) = 2.02 W/kg; SAR(10 g) = 1.1 W/kg

Maximum value of SAR (measured) = 3.09 W/kg



0 dB = 3.09 W/kg = 4.90 dBW/kg

Test Plot 16#

DUT: T5810; Serial: 354721086919621

Communication System: UID 0, Generic FDD-LTE ; Frequency: 1732.5 MHz;Duty Cycle: 1:1

Medium parameters used: f = 1732.5 MHz; σ = 1.329 S/m; εr = 40.786; ρ = 1000 kg/m^3

Phantom section: Right Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7557; ConvF (8.48, 8.48, 8.48) @ 1732.5 MHz; Calibrated: 11/5/2020
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn527; Calibrated: 7/9/2020
- Phantom: Twin-SAM V8.0 (20deg probe tilt)-Right; Type: QD 000 P40 CB; Serial: 1368
- Measurement SW: DASY52, Version 52.10 (2);

Head Right Cheek/LTE Band 4 1RB Mid/Area Scan (61x111x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.488W/kg

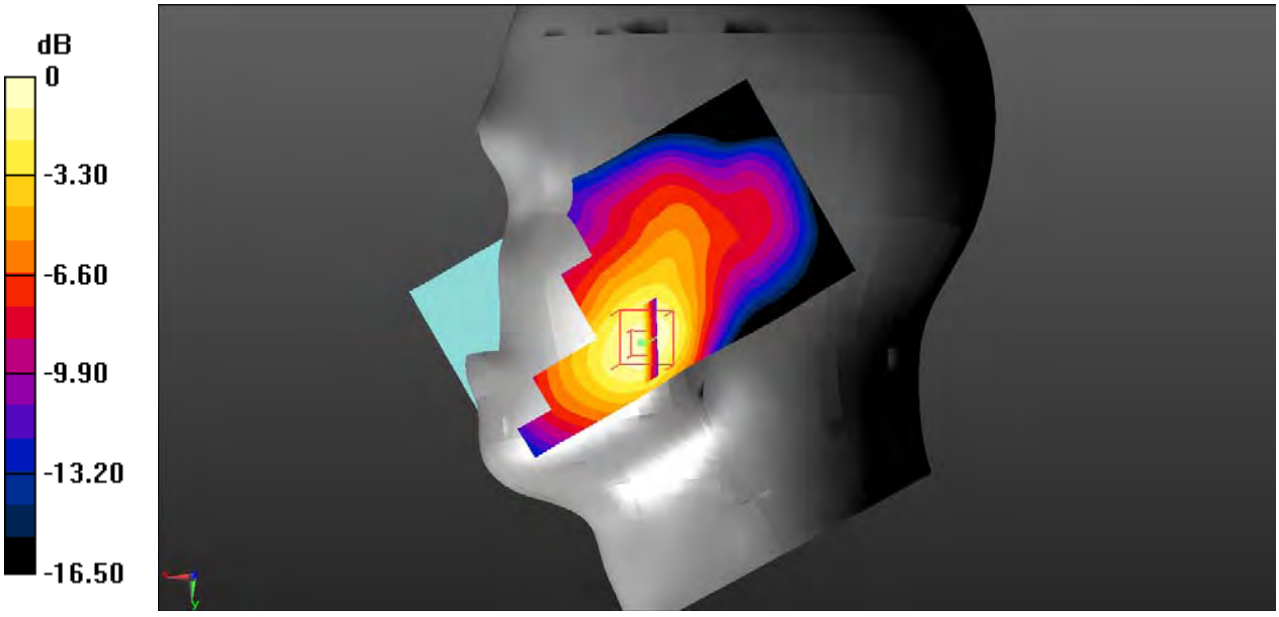
Head Right Cheek/LTE Band 4 1RB Mid/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 16.85 V/m; Power Drift = -0.00 dB

Peak SAR (extrapolated) = 0.560 W/kg

SAR(1 g) = 0.340 W/kg; SAR(10 g) = 0.208 W/kg

Maximum value of SAR (measured) = 0.486W/kg



0 dB = 0.486 W/kg = -3.13 dBW/kg

Test Plot 17#

DUT: T5810; Serial: 354721086919621

Communication System: UID 0, Generic FDD-LTE ; Frequency: 1732.5 MHz;Duty Cycle: 1:1

Medium parameters used: f = 1732.5 MHz; σ = 1.352 S/m; εr = 40.007; ρ = 1000 kg/m^3

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7557; ConvF (8.67, 8.67, 8.67) @ 1732.5 MHz; Calibrated: 10/4/2019
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn527; Calibrated: 7/9/2020
- Phantom: Twin-SAM V8.0 (20deg probe tilt)-Right; Type: QD 000 P40 CB; Serial: 1368
- Measurement SW: DASY52, Version 52.10 (2);

Body Back/LTE Band 4 1RB Mid/Area Scan (61x111x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.17 W/kg

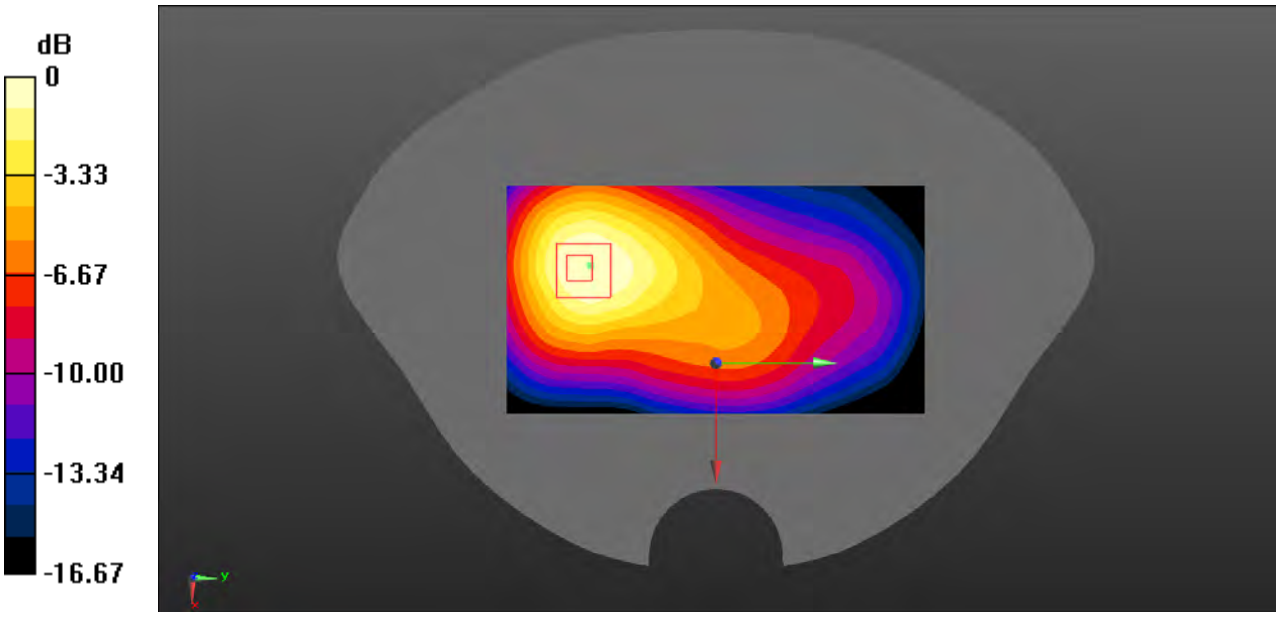
Body Back/LTE Band 4 1RB Mid/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 28.72 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 1.27 W/kg

SAR(1 g) = 0.743 W/kg; SAR(10 g) = 0.442 W/kg

Maximum value of SAR (measured) = 1.07 W/kg



0 dB = 1.07 W/kg = 0.29 dBW/kg

Test Plot 18#

DUT: T5810; Serial: 354721086919621

Communication System: UID 0, Generic FDD-LTE ; Frequency: 1732.5 MHz;Duty Cycle: 1:1

Medium parameters used: f = 1732.5 MHz; σ = 1.352 S/m; εr = 40.007; ρ = 1000 kg/m^3

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7557; ConvF (8.67, 8.67, 8.67) @ 1732.5 MHz; Calibrated: 10/4/2019
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn527; Calibrated: 7/9/2020
- Phantom: Twin-SAM V8.0 (20deg probe tilt)-Right; Type: QD 000 P40 CB; Serial: 1368
- Measurement SW: DASY52, Version 52.10 (2);

Handheld Back/LTE Band 4 1RB Mid/Area Scan (61x111x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 3.83 W/kg

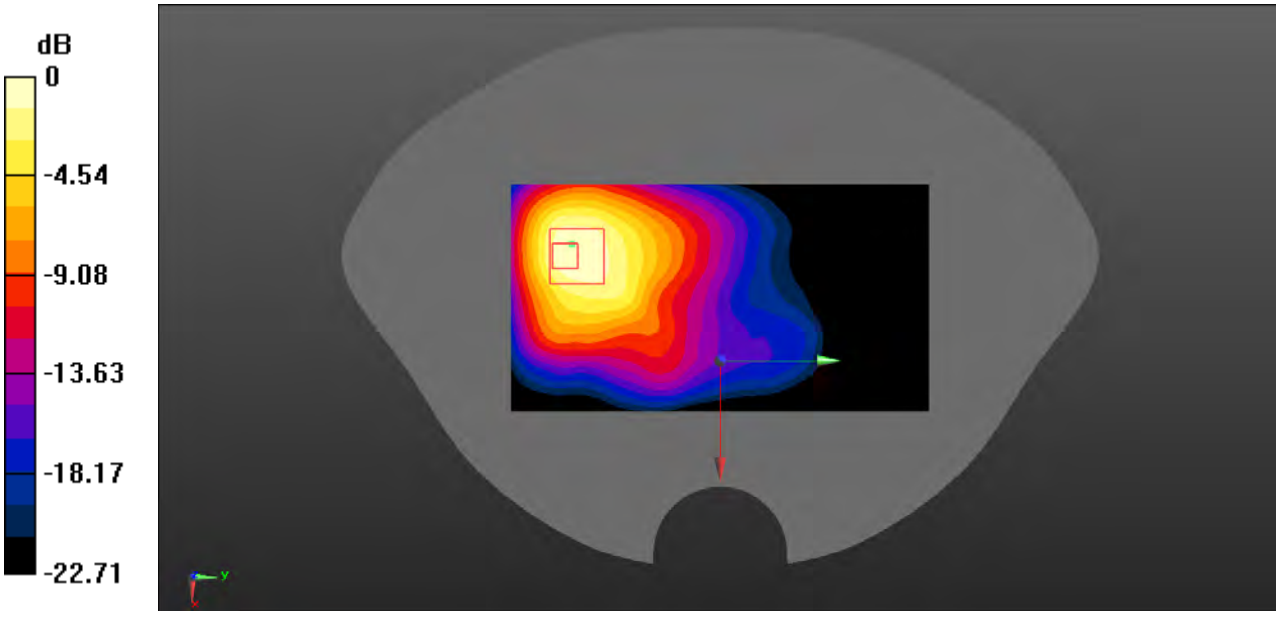
Handheld Back/LTE Band 4 1RB Mid/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 49.09 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 5.47 W/kg

SAR(1 g) = 2.65 W/kg; SAR(10 g) = 1.44 W/kg

Maximum value of SAR (measured) = 3.99 W/kg



0 dB = 3.99 W/kg = 6.01 dBW/kg

Test Plot 19#

DUT: T5810; Serial: 354721086919621

Communication System: UID 0, Generic FDD-LTE ; Frequency: 836.5 MHz;Duty Cycle: 1:1

Medium parameters used: f = 836.5 MHz; σ = 0.915 S/m; εr = 43.434; ρ = 1000 kg/m^3

Phantom section: Right Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7557; ConvF(10.05, 10.05, 10.05) @ 836.5 MHz; Calibrated: 11/5/2020
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn527; Calibrated: 7/9/2020
- Phantom: Twin-SAM V8.0 (20deg probe tilt)-Right; Type: QD 000 P40 CB; Serial: 1368
- Measurement SW: DASY52, Version 52.10 (2);

Head Right Cheek/LTE Band 5 1RB Mid/Area Scan (61x111x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.484 W/kg

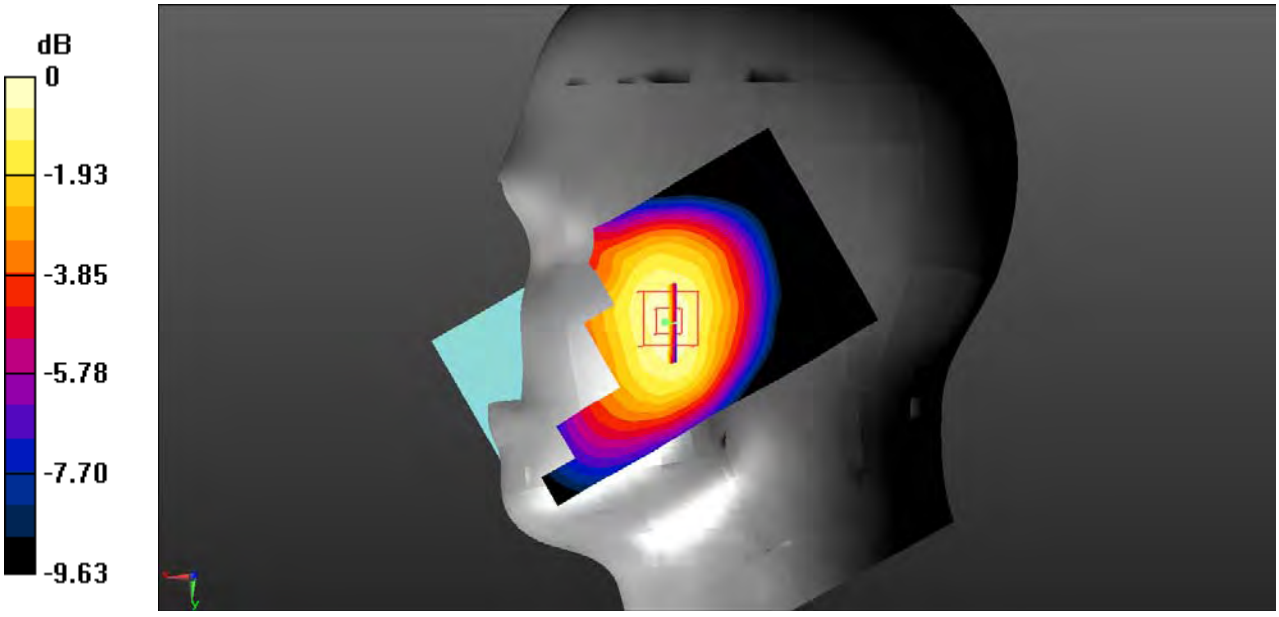
Head Right Cheek/LTE Band 5 1RB Mid/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 22.51 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.559 W/kg

SAR(1 g) = 0.423 W/kg; SAR(10 g) = 0.314 W/kg

Maximum value of SAR (measured) = 0.510 W/kg



0 dB = 0.510 W/kg = -2.92 dBW/kg

Test Plot 20#

DUT: T5810; Serial: 354721086919621

Communication System: UID 0, Generic FDD-LTE ; Frequency: 836.5 MHz;Duty Cycle: 1:1

Medium parameters used: f = 836.5 MHz; σ = 0.899 S/m; εr = 40.515; ρ = 1000 kg/m^3

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7557; ConvF(10.1, 10.1, 10.1) @ 836.5 MHz; Calibrated: 10/4/2019
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn527; Calibrated: 7/9/2020
- Phantom: Twin-SAM V8.0 (20deg probe tilt)-Right; Type: QD 000 P40 CB; Serial: 1368
- Measurement SW: DASY52, Version 52.10 (2);

Body Back/LTE Band 5 1RB Mid/Area Scan (61x111x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.387 W/kg

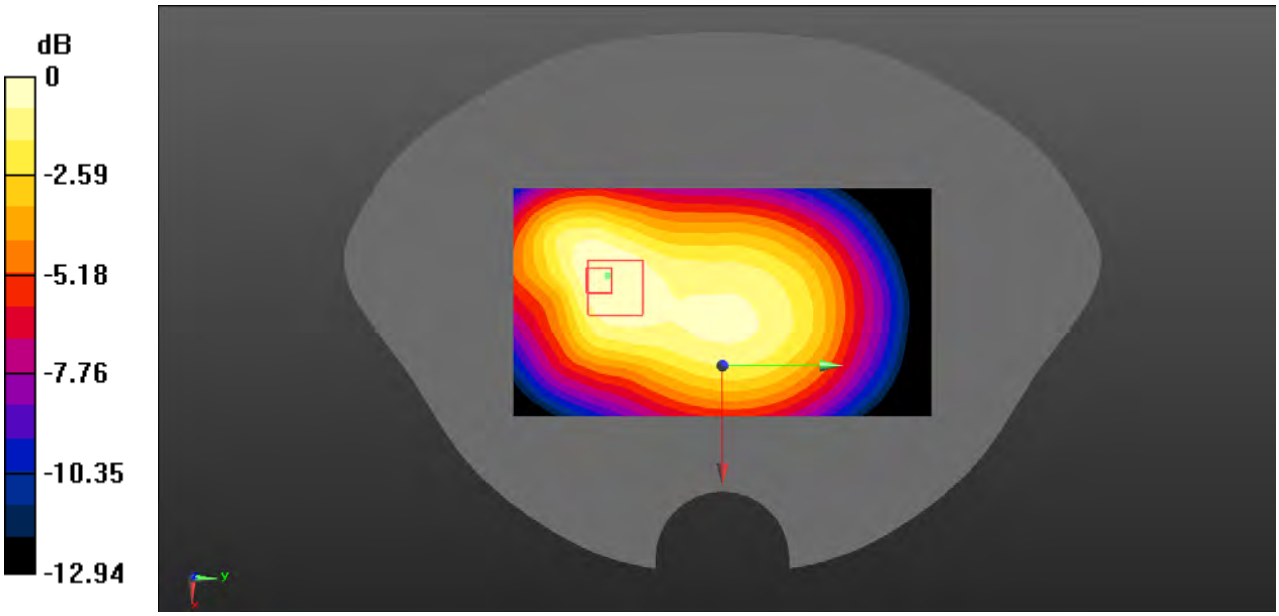
Body Back/LTE Band 5 1RB Mid/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 18.26 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 0.437 W/kg

SAR(1 g) = 0.267 W/kg; SAR(10 g) = 0.178 W/kg

Maximum value of SAR (measured) = 0.373 W/kg



0 dB = 0.373 W/kg = -4.28 dBW/kg

Test Plot 21#

DUT: T5810; Serial: 354721086919621

Communication System: UID 0, Generic FDD-LTE ; Frequency: 836.5 MHz;Duty Cycle: 1:1

Medium parameters used: f = 836.5 MHz; σ = 0.899 S/m; εr = 40.515; ρ = 1000 kg/m^3

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7557; ConvF(10.1, 10.1, 10.1) @ 836.5 MHz; Calibrated: 10/4/2019
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn527; Calibrated: 7/9/2020
- Phantom: Twin-SAM V8.0 (20deg probe tilt)-Right; Type: QD 000 P40 CB; Serial: 1368
- Measurement SW: DASY52, Version 52.10 (2);

Handheld Back/LTE Band 5 1RB Mid/Area Scan (61x111x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.58 W/kg

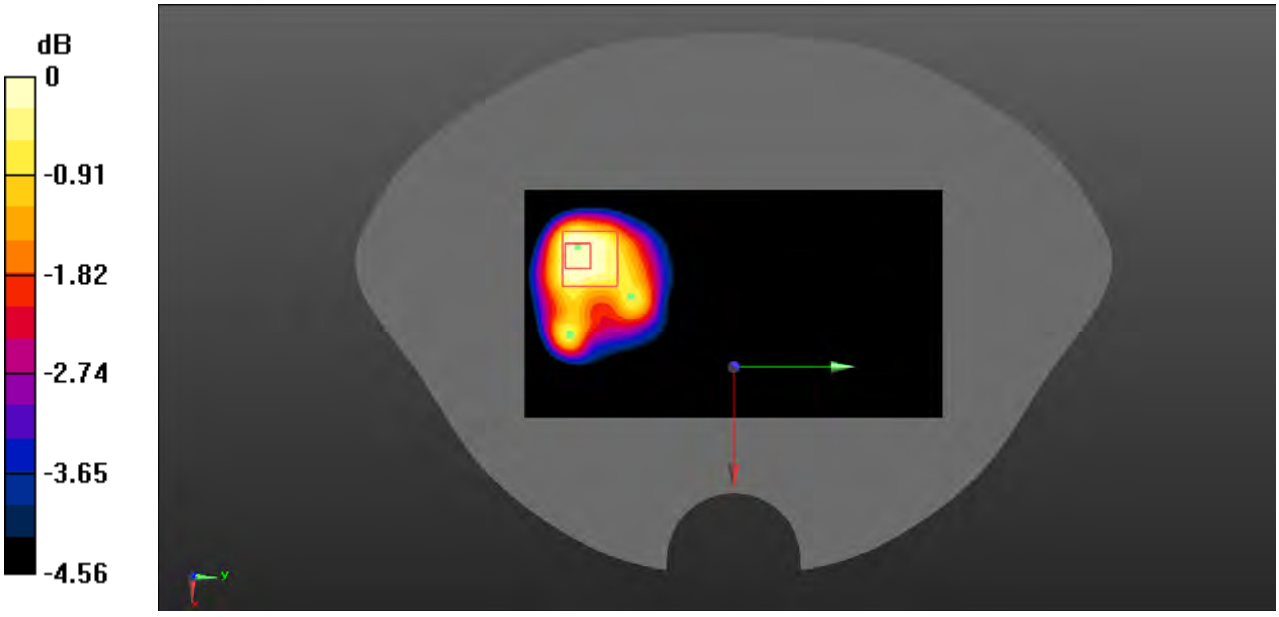
Handheld Back/LTE Band 5 1RB Mid/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 37.05 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 1.97 W/kg

SAR(1 g) = 1.02 W/kg; SAR(10 g) = 0.626 W/kg

Maximum value of SAR (measured) = 1.46 W/kg



0 dB = 1.46 W/kg = 1.64 dBW/kg

Test Plot 22#

DUT: T5810; Serial: 354721086919621

Communication System: UID 0, Generic FDD-LTE ; Frequency: 2535 MHz;Duty Cycle: 1:1

Medium parameters used: f = 2535 MHz; σ = 1.885 S/m; εr = 40.684; ρ = 1000 kg/m^3

Phantom section: Right Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7557; ConvF (7.13, 7.13, 7.13) @ 2535 MHz; Calibrated: 11/5/2020
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn527; Calibrated: 7/9/2020
- Phantom: Twin-SAM V8.0 (20deg probe tilt)-Right; Type: QD 000 P40 CB; Serial: 1368
- Measurement SW: DASY52, Version 52.10 (2);

Head Right Cheek/LTE Band 7 1RB Mid/Area Scan (71x131x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.802 W/kg

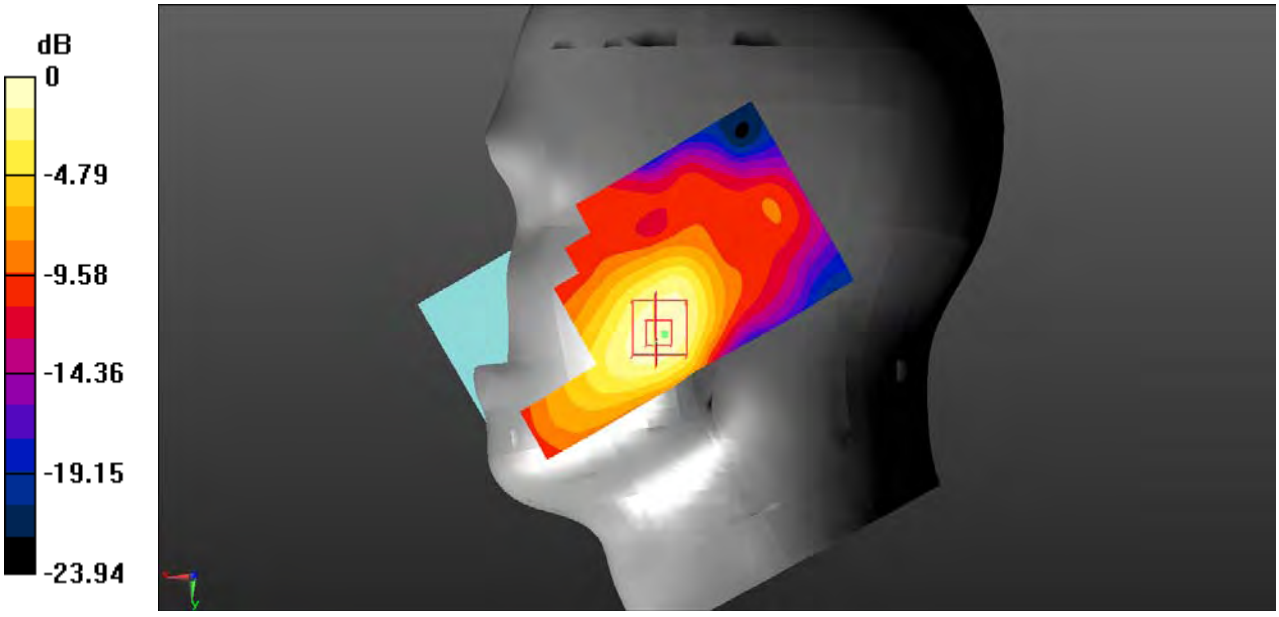
Head Right Cheek/LTE Band 7 1RB Mid/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 19.85 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 1.01 W/kg

SAR(1 g) = 0.549 W/kg; SAR(10 g) = 0.291 W/kg

Maximum value of SAR (measured) = 0.818 W/kg



0 dB = 0.818 W/kg = -0.87 dBW/kg

Test Plot 23#

DUT: T5810; Serial: 354721086919621

Communication System: UID 0, Generic FDD-LTE ; Frequency: 2535 MHz;Duty Cycle: 1:1

Medium parameters used: f = 2535 MHz; σ = 1.87 S/m; εr = 39.416; ρ = 1000 kg/m^3

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7557; ConvF (7.21, 7.21, 7.21) @ 2535 MHz; Calibrated: 10/4/2019
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn527; Calibrated: 7/9/2020
- Phantom: Twin-SAM V8.0 (20deg probe tilt)-Right; Type: QD 000 P40 CB; Serial: 1368
- Measurement SW: DASY52, Version 52.10 (2);

Body Back/LTE Band 7 1RB Mid/Area Scan (71x131x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.739 W/kg

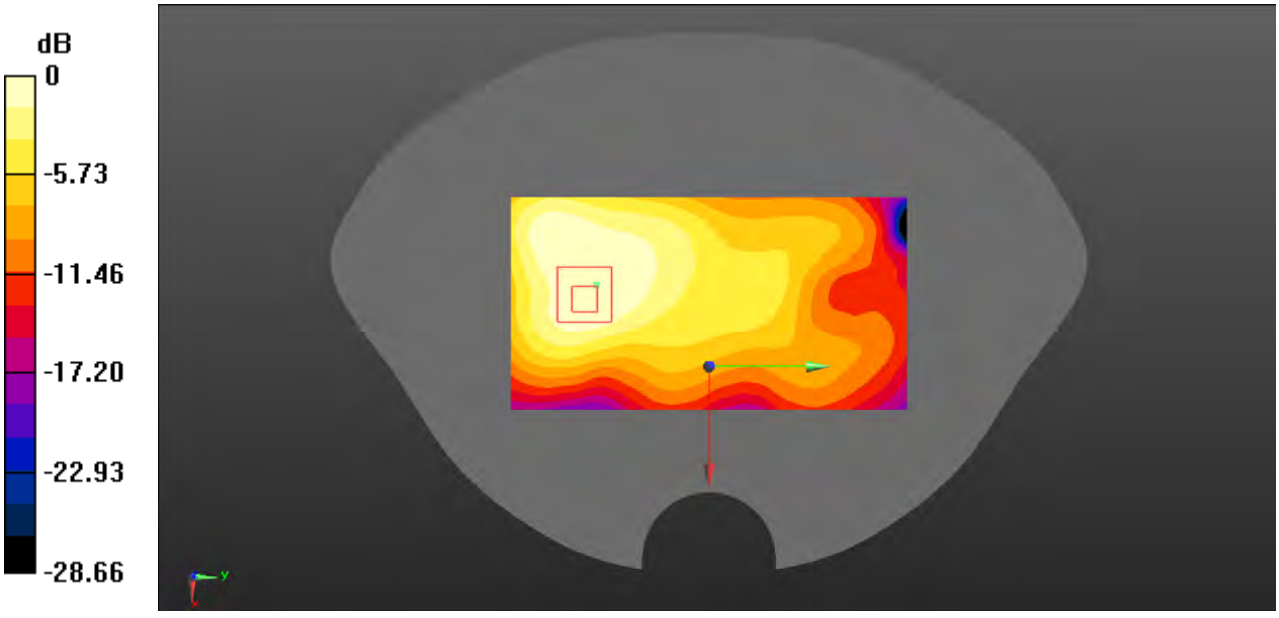
Body Back/LTE Band 7 1RB Mid/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 19.33 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 0.836 W/kg

SAR(1 g) = 0.451 W/kg; SAR(10 g) = 0.244 W/kg

Maximum value of SAR (measured) = 0.685 W/kg



0 dB = 0.685 W/kg = -1.64 dBW/kg

Test Plot 24#

DUT: T5810; Serial: 354721086919621

Communication System: UID 0, Generic FDD-LTE ; Frequency: 2535 MHz;Duty Cycle: 1:1

Medium parameters used: f = 2535 MHz; σ = 1.87 S/m; εr = 39.416; ρ = 1000 kg/m^3

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7557; ConvF (7.21, 7.21, 7.21) @ 2535 MHz; Calibrated: 10/4/2019
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn527; Calibrated: 7/9/2020
- Phantom: Twin-SAM V8.0 (20deg probe tilt)-Right; Type: QD 000 P40 CB; Serial: 1368
- Measurement SW: DASY52, Version 52.10 (2);

Handheld Right/LTE Band 7 1RB Mid/Area Scan (41x131x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

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

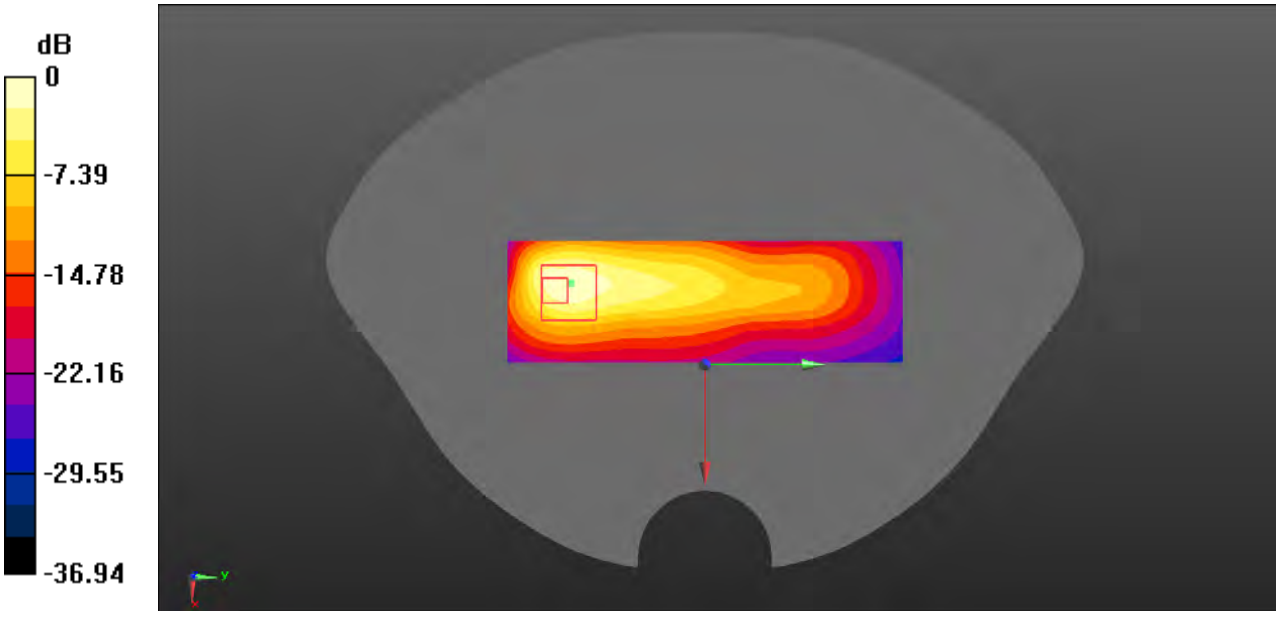
Handheld Right/LTE Band 7 1RB Mid/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 61.80 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 15.6 W/kg

SAR(1 g) = 4.58 W/kg; SAR(10 g) = 1.84 W/kg

Maximum value of SAR (measured) = 8.94 W/kg



0 dB = 8.94 W/kg = 9.51 dBW/kg

Test Plot 25#

DUT: T5810; Serial: 354721086919621

Communication System: UID 0, Generic FDD-LTE ; Frequency: 707.5 MHz;Duty Cycle: 1:1

Medium parameters used: f = 707.5 MHz; σ = 0.871 S/m; εr = 43.138; ρ = 1000 kg/m^3

Phantom section: Right Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7557; ConvF(10.39, 10.39, 10.39) @ 707.5 MHz; Calibrated: 11/5/2020
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn527; Calibrated: 7/9/2020
- Phantom: Twin-SAM V8.0 (20deg probe tilt)-Right; Type: QD 000 P40 CB; Serial: 1368
- Measurement SW: DASY52, Version 52.10 (2);

Head Right Cheek/LTE Band 12 1RB Mid/Area Scan (61x111x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.177 W/kg

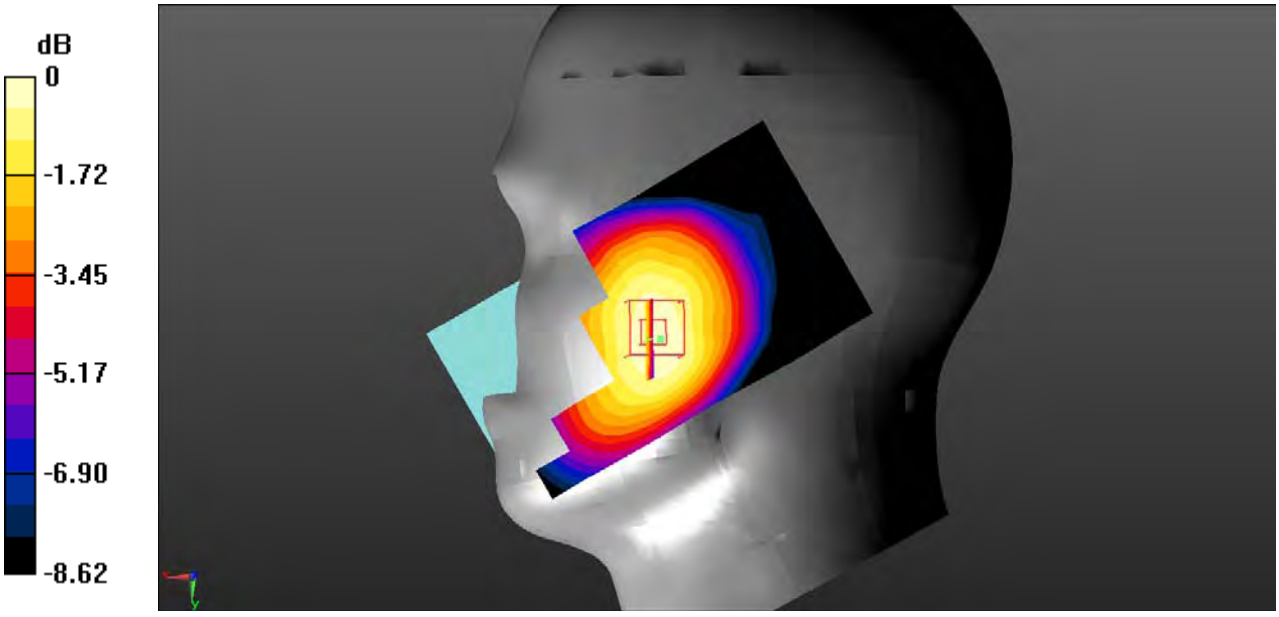
Head Right Cheek/LTE Band 12 1RB Mid/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.71 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.195 W/kg

SAR(1 g) = 0.153 W/kg; SAR(10 g) = 0.119 W/kg

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



0 dB = 0.179 W/kg = -7.47 dBW/kg

Test Plot 26#

DUT: T5810; Serial: 354721086919621

Communication System: UID 0, Generic FDD-LTE ; Frequency: 707.5 MHz;Duty Cycle: 1:1

Medium parameters used: f = 707.5 MHz; σ = 0.884 S/m; εr = 42.975; ρ = 1000 kg/m^3

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7557; ConvF(10.41, 10.41, 10.41) @ 707.5 MHz; Calibrated: 10/4/2019
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn527; Calibrated: 7/9/2020
- Phantom: Twin-SAM V8.0 (20deg probe tilt)-Right; Type: QD 000 P40 CB; Serial: 1368
- Measurement SW: DASY52, Version 52.10 (2);

Body Back/LTE Band 12 1RB Mid/Area Scan (61x111x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.223 W/kg

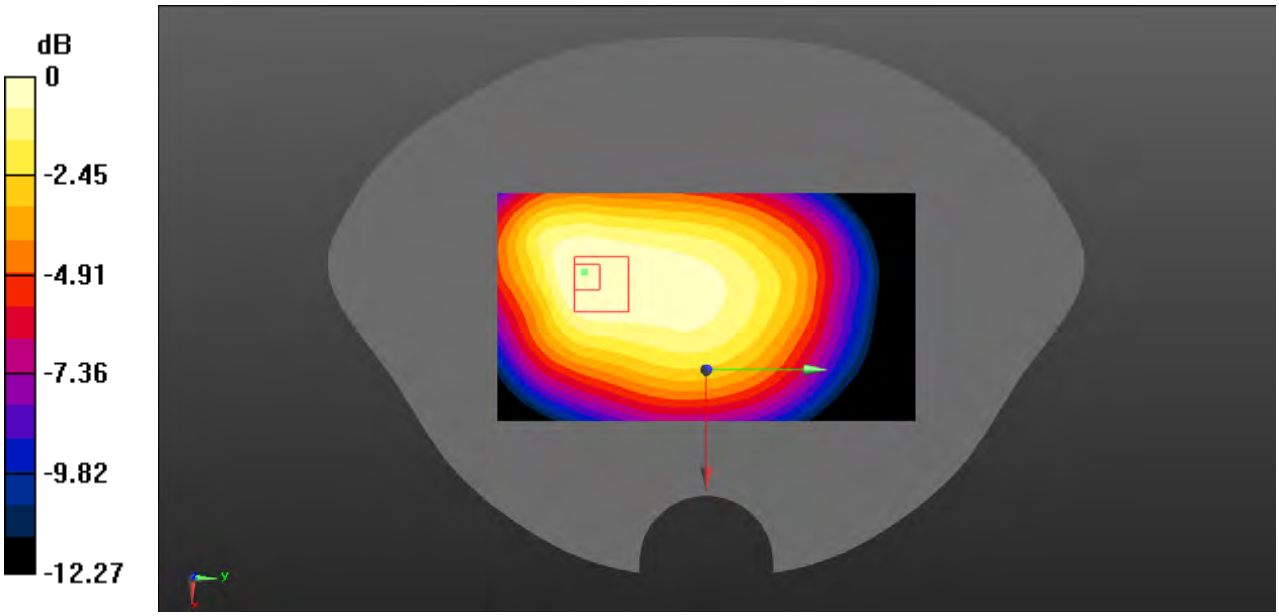
Body Back/LTE Band 12 1RB Mid/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.95 V/m; Power Drift = -0.19 dB

Peak SAR (extrapolated) = 0.232 W/kg

SAR(1 g) = 0.153 W/kg; SAR(10 g) = 0.112 W/kg

Maximum value of SAR (measured) = 0.200 W/kg



0 dB = 0.200 W/kg = -6.99 dBW/kg

Test Plot 27#

DUT: T5810; Serial: 354721086919621

Communication System: UID 0, Generic FDD-LTE ; Frequency: 707.5 MHz;Duty Cycle: 1:1

Medium parameters used: f = 707.5 MHz; σ = 0.884 S/m; εr = 42.975; ρ = 1000 kg/m^3

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7557; ConvF(10.41, 10.41, 10.41) @ 707.5 MHz; Calibrated: 10/4/2019
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn527; Calibrated: 7/9/2020
- Phantom: Twin-SAM V8.0 (20deg probe tilt)-Right; Type: QD 000 P40 CB; Serial: 1368
- Measurement SW: DASY52, Version 52.10 (2);

Handheld Back/LTE Band 12 1RB Mid/Area Scan (61x111x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

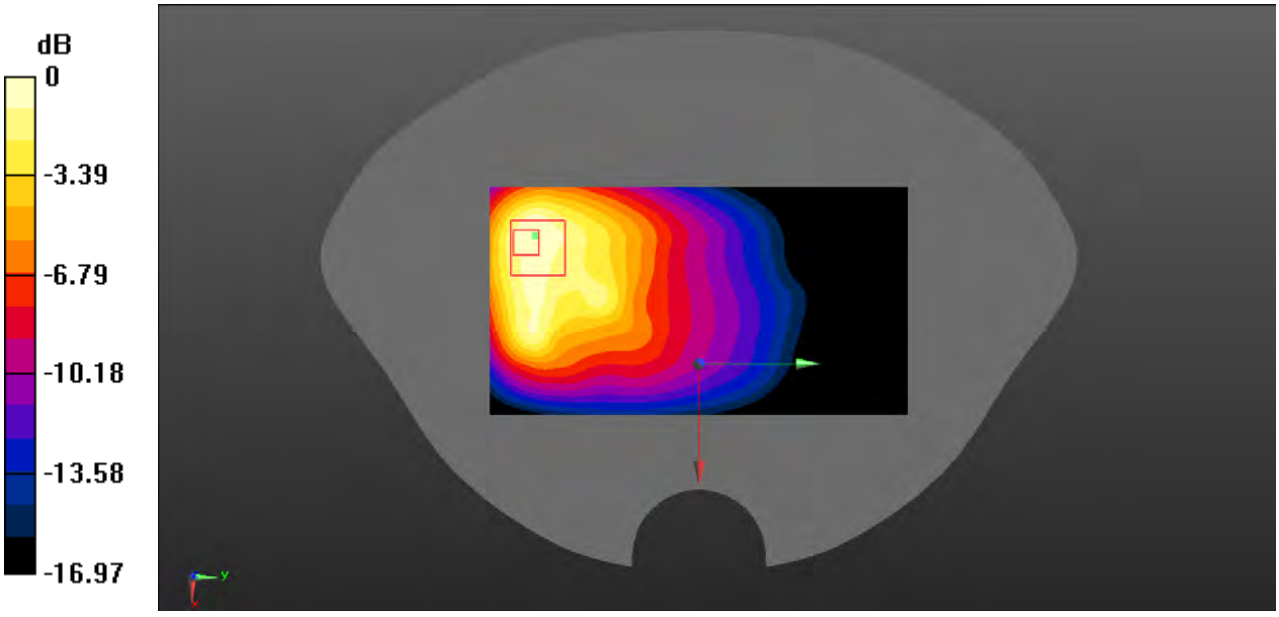
Handheld Back/LTE Band 12 1RB Mid/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 23.50 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 1.01 W/kg

SAR(1 g) = 0.465 W/kg; SAR(10 g) = 0.276 W/kg

Maximum value of SAR (measured) = 0.754 W/kg



0 dB = 0.754 W/kg = -1.23 dBW/kg

Test Plot 28#

DUT: T5810; Serial: 354721086919621

Communication System: UID 0, Generic FDD-LTE ; Frequency: 710 MHz;Duty Cycle: 1:1

Medium parameters used: f = 710 MHz; σ = 0.872 S/m; εr = 43.142; ρ = 1000 kg/m^3

Phantom section: Right Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7557; ConvF(10.39, 10.39, 10.39) @ 707.5 MHz; Calibrated: 11/5/2020
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn527; Calibrated: 7/9/2020
- Phantom: Twin-SAM V8.0 (20deg probe tilt)-Right; Type: QD 000 P40 CB; Serial: 1368
- Measurement SW: DASY52, Version 52.10 (2);

Head Right Cheek/LTE Band 17 1RB Mid/Area Scan (61x111x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.178 W/kg

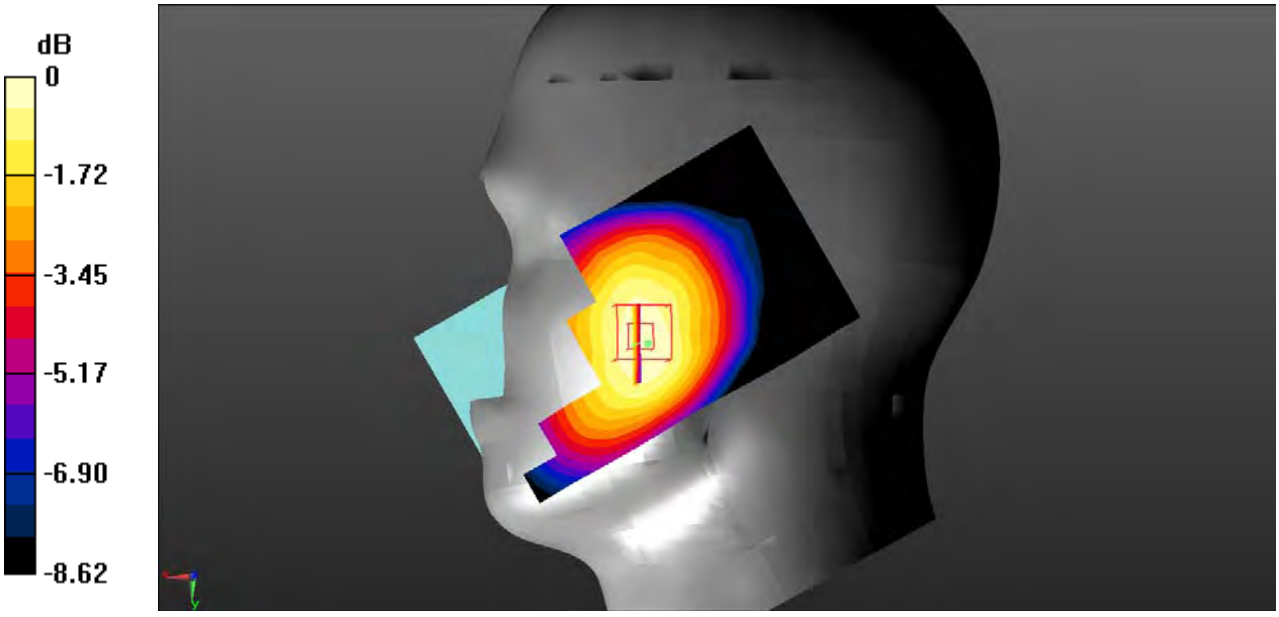
Head Right Cheek/LTE Band 17 1RB Mid/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.71 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.196 W/kg

SAR(1 g) = 0.153 W/kg; SAR(10 g) = 0.121 W/kg

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



0 dB = 0.180 W/kg = -7.45 dBW/kg

Test Plot 29#

DUT: T5810; Serial: 354721086919621

Communication System: UID 0, Generic FDD-LTE ; Frequency: 710 MHz;Duty Cycle: 1:1

Medium parameters used: f = 710 MHz; σ = 0.886 S/m; εr = 42.972; ρ = 1000 kg/m^3

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7557; ConvF(10.41, 10.41, 10.41) @ 710 MHz; Calibrated: 10/4/2019
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn527; Calibrated: 7/9/2020
- Phantom: Twin-SAM V8.0 (20deg probe tilt)-Right; Type: QD 000 P40 CB; Serial: 1368
- Measurement SW: DASY52, Version 52.10 (2);

Body Back/LTE Band 17 1RB Mid/Area Scan (61x111x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.212 W/kg

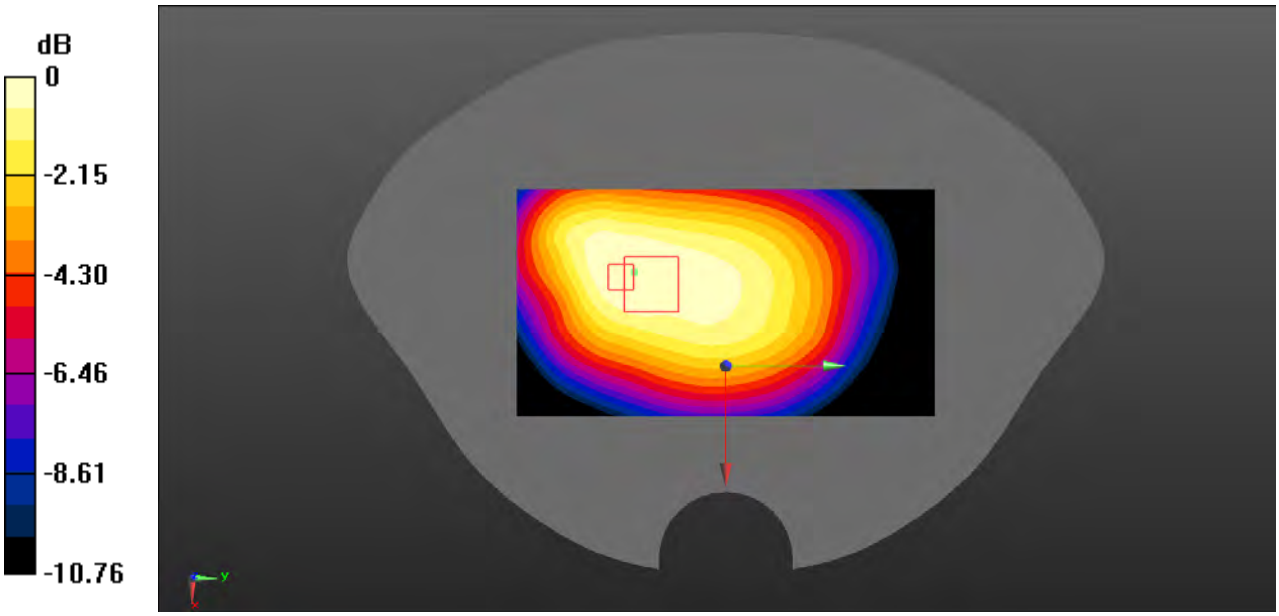
Body Back/LTE Band 17 1RB Mid/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.71 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 0.226 W/kg

SAR(1 g) = 0.153 W/kg; SAR(10 g) = 0.113 W/kg

Maximum value of SAR (measured) = 0.196 W/kg



0 dB = 0.196 W/kg = -7.08 dBW/kg

Test Plot 30#

DUT: T5810; Serial: 354721086919621

Communication System: UID 0, Generic FDD-LTE ; Frequency: 710 MHz;Duty Cycle: 1:1

Medium parameters used: f = 710 MHz; σ = 0.886 S/m; εr = 42.972; ρ = 1000 kg/m^3

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7557; ConvF(10.41, 10.41, 10.41) @ 710 MHz; Calibrated: 10/4/2019
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn527; Calibrated: 7/9/2020
- Phantom: Twin-SAM V8.0 (20deg probe tilt)-Right; Type: QD 000 P40 CB; Serial: 1368
- Measurement SW: DASY52, Version 52.10 (2);

Handheld Back/LTE Band 17 1RB Mid/Area Scan (61x111x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.879 W/kg

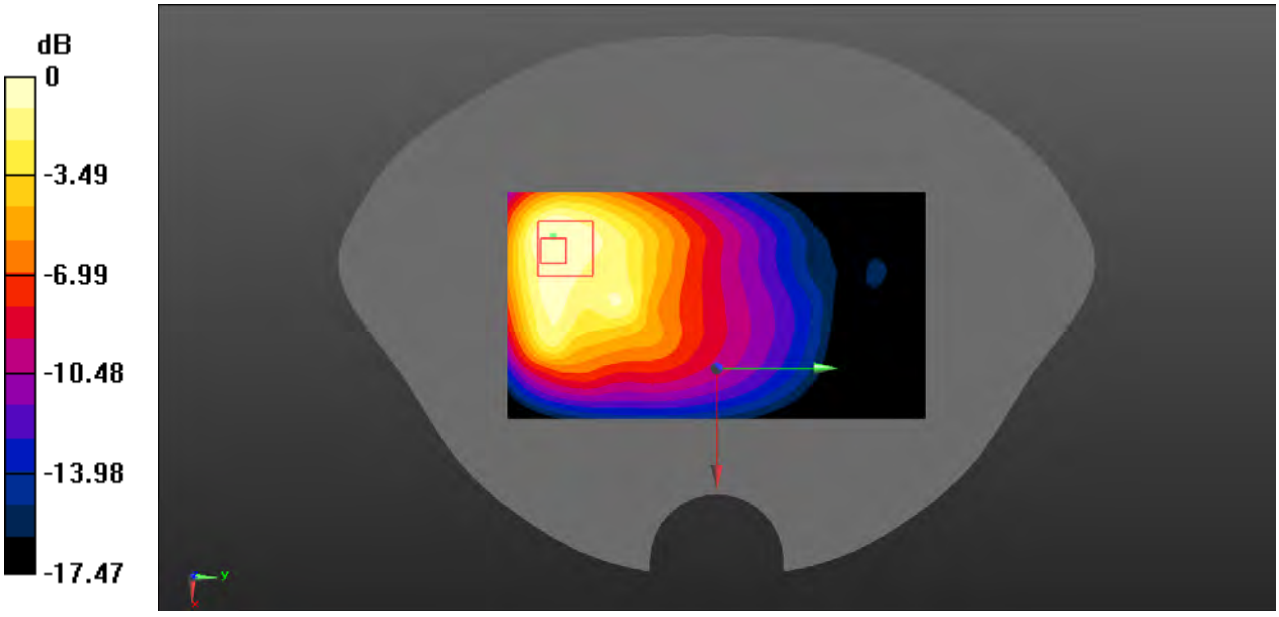
Handheld Back/LTE Band 17 1RB Mid/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 23.72 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.962 W/kg

SAR(1 g) = 0.471 W/kg; SAR(10 g) = 0.277 W/kg

Maximum value of SAR (measured) = 0.685 W/kg



0 dB = 0.685 W/kg = -1.64 dBW/kg

Test Plot 31#

DUT: T5810; Serial: 354721086919621

Communication System: UID 0, Generic FDD-LTE ; Frequency: 1880 MHz;Duty Cycle: 1:1

Medium parameters used: f = 1880 MHz; σ = 1.365 S/m; εr = 38.183; ρ = 1000 kg/m^3

Phantom section: Right Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7557; ConvF(8.12, 8.12, 8.12) @ 1880 MHz; Calibrated: 11/5/2020
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn527; Calibrated: 7/9/2020
- Phantom: Twin-SAM V8.0 (20deg probe tilt)-Right; Type: QD 000 P40 CB; Serial: 1368
- Measurement SW: DASY52, Version 52.10 (2);

Head Right Cheek/LTE Band 25 1RB Mid/Area Scan (61x111x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.381 W/kg

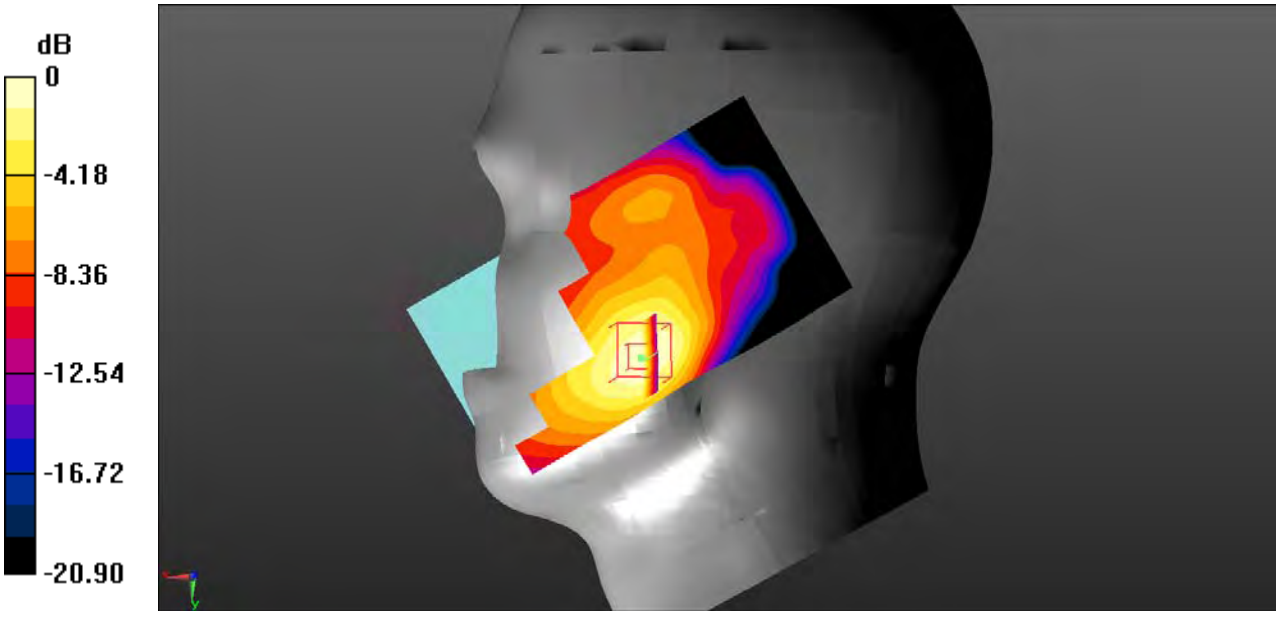
Head Right Cheek/LTE Band 25 1RB Mid/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.38 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.434 W/kg

SAR(1 g) = 0.242 W/kg; SAR(10 g) = 0.139 W/kg

Maximum value of SAR (measured) = 0.365 W/kg



0 dB = 0.365 W/kg = -4.38 dBW/kg

Test Plot 32#

DUT: T5810; Serial: 354721086919621

Communication System: UID 0, Generic FDD-LTE ; Frequency: 1880 MHz;Duty Cycle: 1:1

Medium parameters used: f = 1880 MHz; σ = 1.389 S/m; εr = 38.842; ρ = 1000 kg/m^3

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7557; ConvF(8.36, 8.36, 8.36) @ 1880 MHz; Calibrated: 10/4/2019
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn527; Calibrated: 7/9/2020
- Phantom: Twin-SAM V8.0 (20deg probe tilt)-Right; Type: QD 000 P40 CB; Serial: 1368
- Measurement SW: DASY52, Version 52.10 (2);

Body Back/LTE Band 25 1RB Mid/Area Scan (61x111x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.726 W/kg

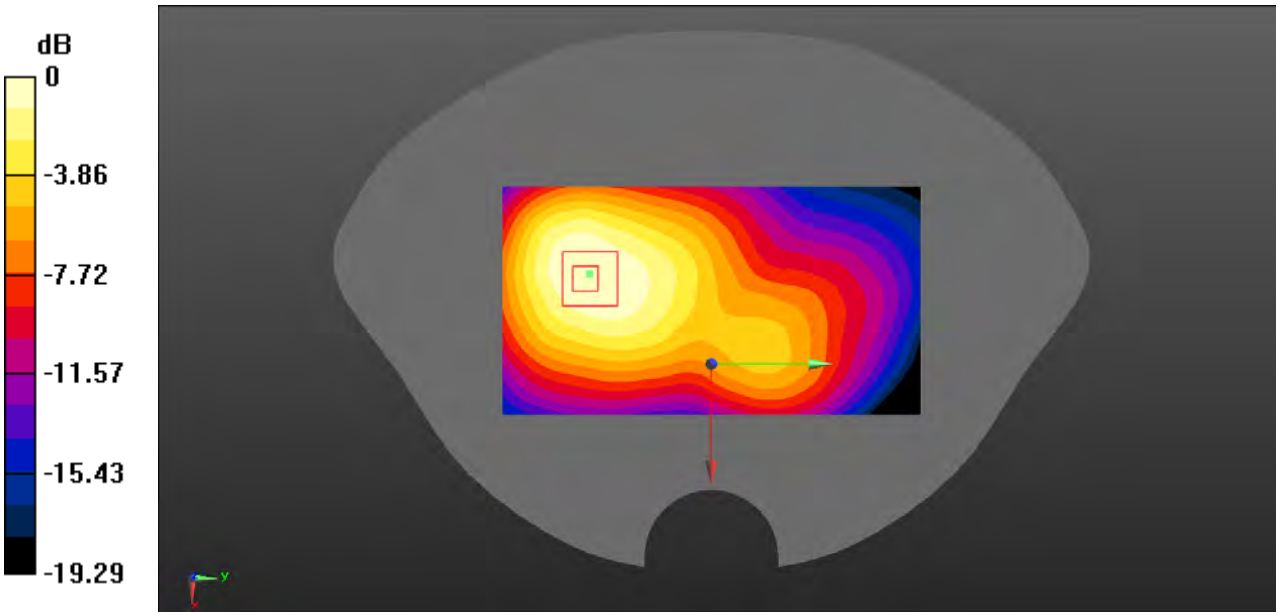
Body Back/LTE Band 25 1RB Mid/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 23.32 V/m; Power Drift = -0.00 dB

Peak SAR (extrapolated) = 0.853 W/kg

SAR(1 g) = 0.478 W/kg; SAR(10 g) = 0.280 W/kg

Maximum value of SAR (measured) = 0.703 W/kg



0 dB = 0.703 W/kg = -1.53 dBW/kg

Test Plot 33#

DUT: T5810; Serial: 354721086919621

Communication System: UID 0, Generic FDD-LTE ; Frequency: 1880 MHz;Duty Cycle: 1:1

Medium parameters used: f = 1880 MHz; σ = 1.389 S/m; εr = 38.842; ρ = 1000 kg/m^3

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7557; ConvF(8.36, 8.36, 8.36) @ 1880 MHz; Calibrated: 10/4/2019
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn527; Calibrated: 7/9/2020
- Phantom: Twin-SAM V8.0 (20deg probe tilt)-Right; Type: QD 000 P40 CB; Serial: 1368
- Measurement SW: DASY52, Version 52.10 (2);

Handheld Back/LTE Band 25 1RB Mid/Area Scan (61x111x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 3.17 W/kg

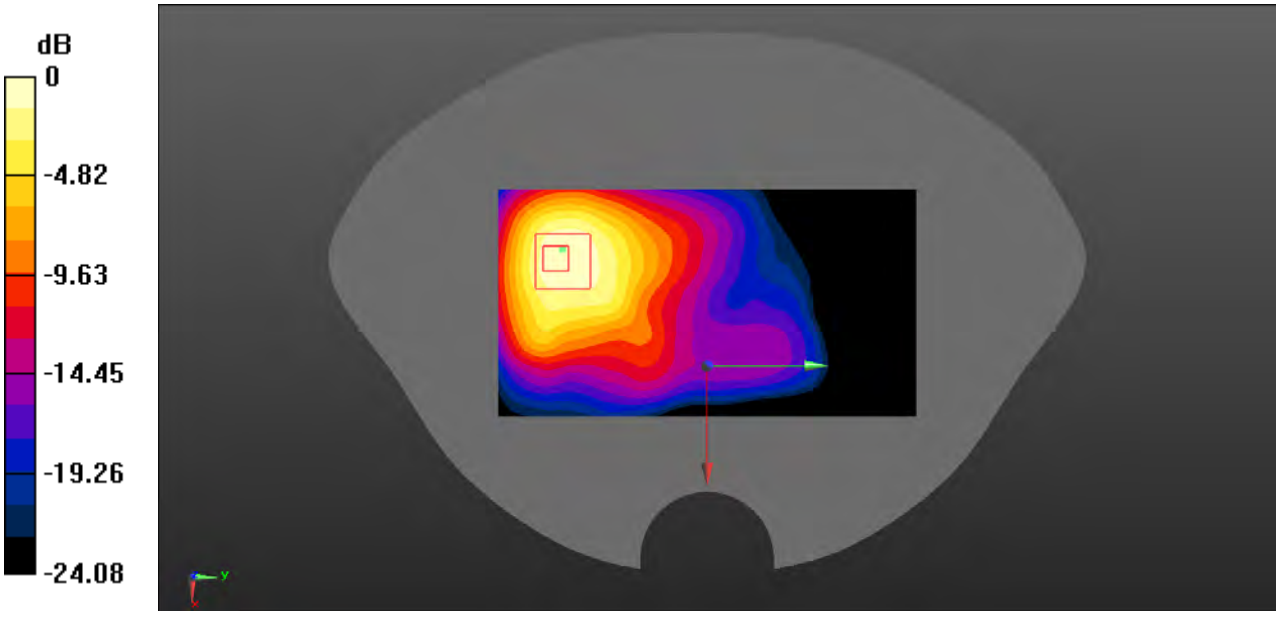
Handheld Back/LTE Band 25 1RB Mid/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 44.45 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 4.53 W/kg

SAR(1 g) = 2.09 W/kg; SAR(10 g) = 1.11 W/kg

Maximum value of SAR (measured) = 3.33 W/kg



0 dB = 3.33 W/kg = 5.22 dBW/kg

Test Plot 34#

DUT: T5810; Serial: 354721086919621

Communication System: UID 0, Generic FDD-LTE ; Frequency: 831.5 MHz;Duty Cycle: 1:1

Medium parameters used: f = 831.5 MHz; σ = 0.913 S/m; εr = 43.459; ρ = 1000 kg/m^3

Phantom section: Right Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7557; ConvF(10.05, 10.05, 10.05) @ 1880 MHz; Calibrated: 11/5/2020
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn527; Calibrated: 7/9/2020
- Phantom: Twin-SAM V8.0 (20deg probe tilt)-Right; Type: QD 000 P40 CB; Serial: 1368
- Measurement SW: DASY52, Version 52.10 (2);

Head Right Cheek/LTE Band 26 1RB Mid/Area Scan (61x111x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.481 W/kg

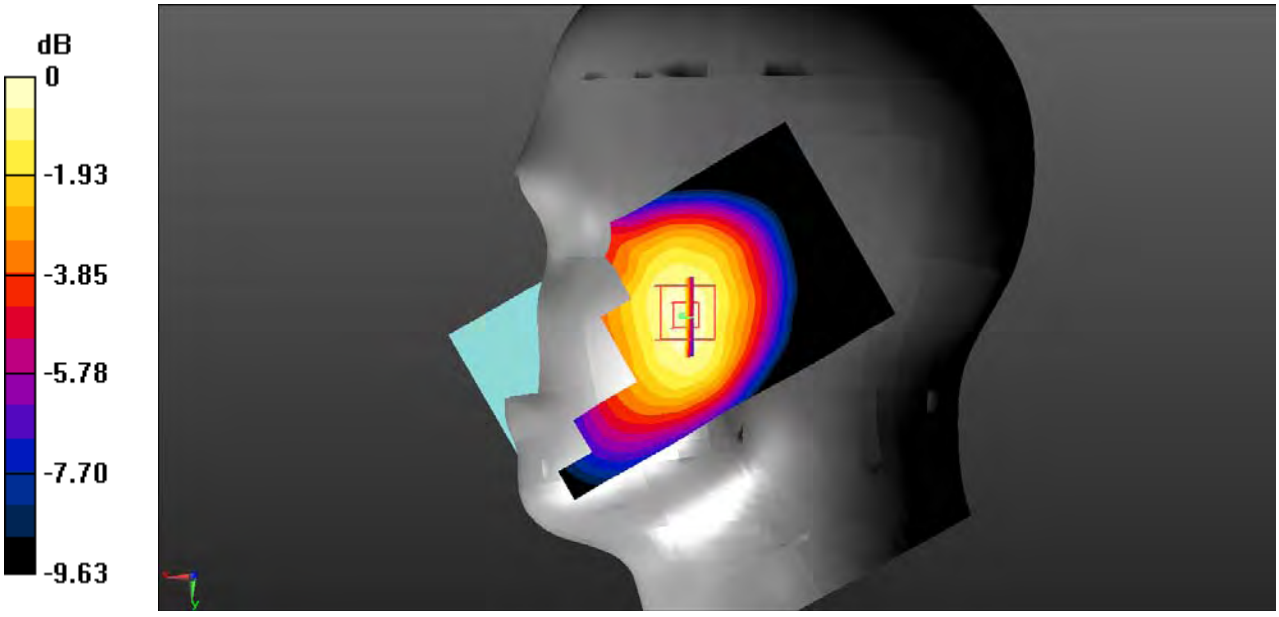
Head Right Cheek/LTE Band 26 1RB Mid/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 22.49 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.555 W/kg

SAR(1 g) = 0.421 W/kg; SAR(10 g) = 0.313 W/kg

Maximum value of SAR (measured) = 0.506 W/kg



0 dB = 0.506 W/kg = -2.96 dBW/kg

Test Plot 35#

DUT: T5810; Serial: 354721086919621

Communication System: UID 0, Generic FDD-LTE ; Frequency: 831.5 MHz;Duty Cycle: 1:1

Medium parameters used: f = 831.5 MHz; σ = 0.894 S/m; εr = 40.584; ρ = 1000 kg/m^3

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7557; ConvF(10.1, 10.1, 10.1) @ 831.5 MHz; Calibrated: 10/4/2019
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn527; Calibrated: 7/9/2020
- Phantom: Twin-SAM V8.0 (20deg probe tilt)-Right; Type: QD 000 P40 CB; Serial: 1368
- Measurement SW: DASY52, Version 52.10 (2);

Body Back/LTE Band 26 1RB Mid/Area Scan (61x111x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.353 W/kg

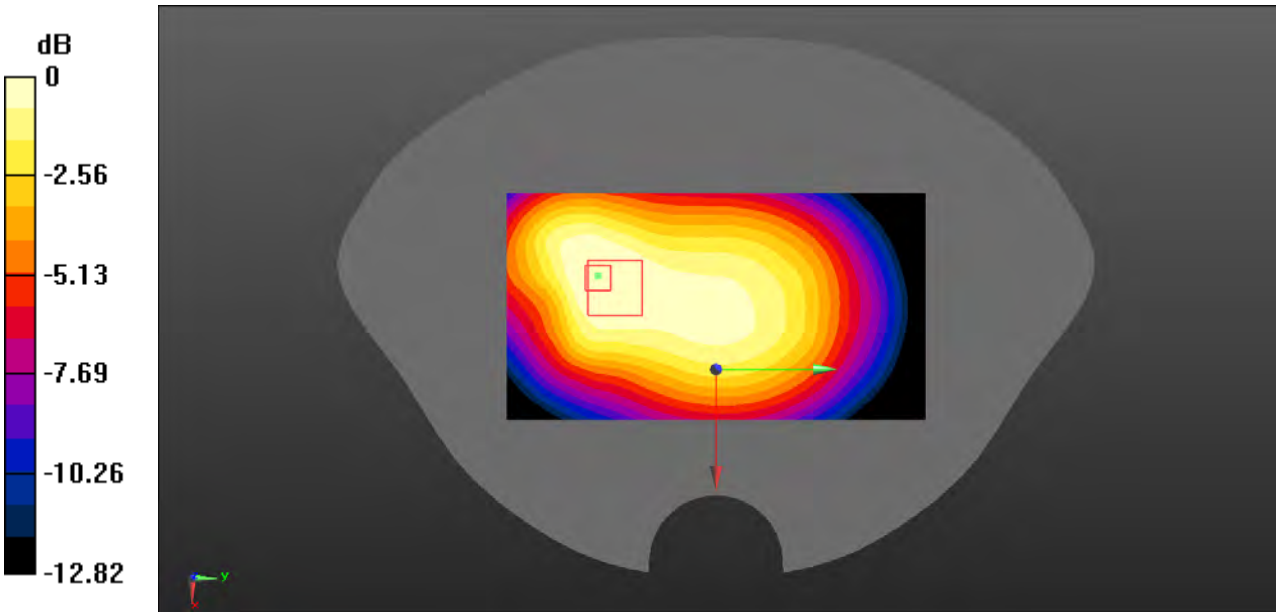
Body Back/LTE Band 26 1RB Mid/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 17.42 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.363 W/kg

SAR(1 g) = 0.235 W/kg; SAR(10 g) = 0.160 W/kg

Maximum value of SAR (measured) = 0.311 W/kg



0 dB = 0.311 W/kg = -5.07 dBW/kg

Test Plot 36#

DUT: T5810; Serial: 354721086919621

Communication System: UID 0, Generic FDD-LTE ; Frequency: 831.5 MHz;Duty Cycle: 1:1

Medium parameters used: f = 831.5 MHz; σ = 0.894 S/m; εr = 40.584; ρ = 1000 kg/m^3

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7557; ConvF(10.1, 10.1, 10.1) @ 831.5 MHz; Calibrated: 10/4/2019
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn527; Calibrated: 7/9/2020
- Phantom: Twin-SAM V8.0 (20deg probe tilt)-Right; Type: QD 000 P40 CB; Serial: 1368
- Measurement SW: DASY52, Version 52.10 (2);

Handheld Back/LTE Band 26 1RB Mid/Area Scan (61x111x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.969 W/kg

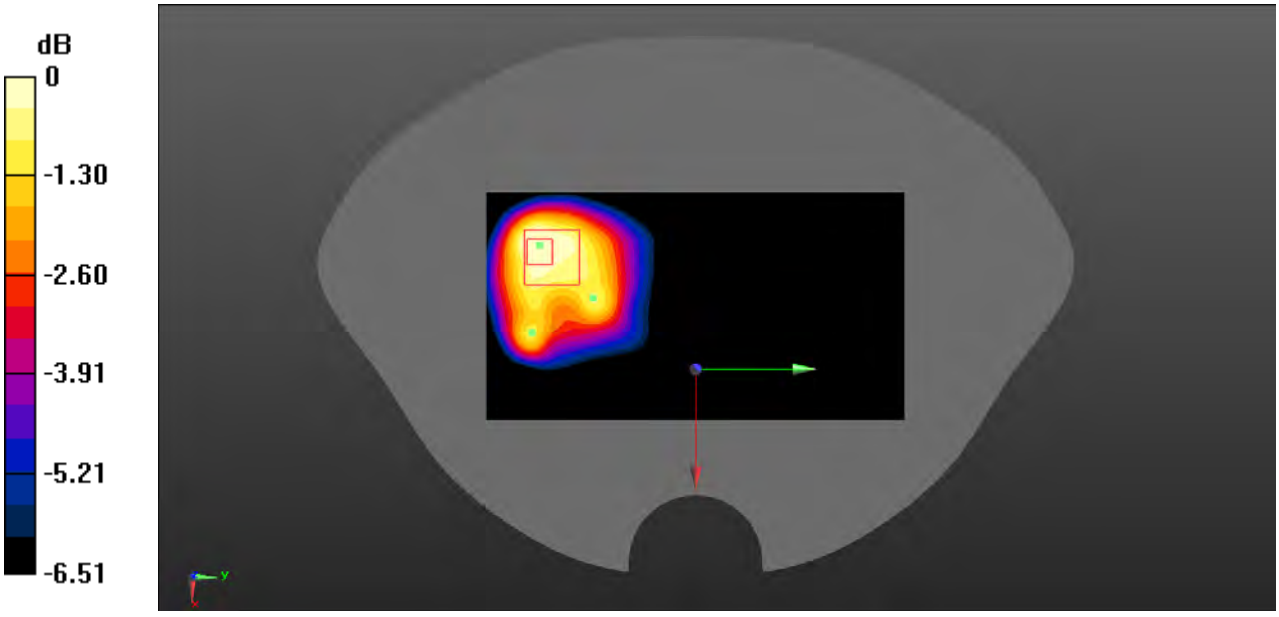
Handheld Back/LTE Band 26 1RB Mid/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 34.16 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 1.77 W/kg

SAR(1 g) = 0.909 W/kg; SAR(10 g) = 0.562 W/kg

Maximum value of SAR (measured) = 1.33 W/kg



0 dB = 1.33 W/kg = 1.24 dBW/kg

Test Plot 37#

DUT: T5810; Serial: 354721086919621

Communication System: UID 0, Generic FDD-LTE ; Frequency: 1745 MHz;Duty Cycle: 1:1

Medium parameters used: f = 1745 MHz; σ = 1.336 S/m; εr = 40.787; ρ = 1000 kg/m^3

Phantom section: Right Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7557; ConvF (8.48, 8.48, 8.48) @ 1745 MHz; Calibrated: 11/5/2020
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn527; Calibrated: 7/9/2020
- Phantom: Twin-SAM V8.0 (20deg probe tilt)-Right; Type: QD 000 P40 CB; Serial: 1368
- Measurement SW: DASY52, Version 52.10 (2);

Head Right Cheek/LTE Band 66 1RB Mid/Area Scan (61x111x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.493W/kg

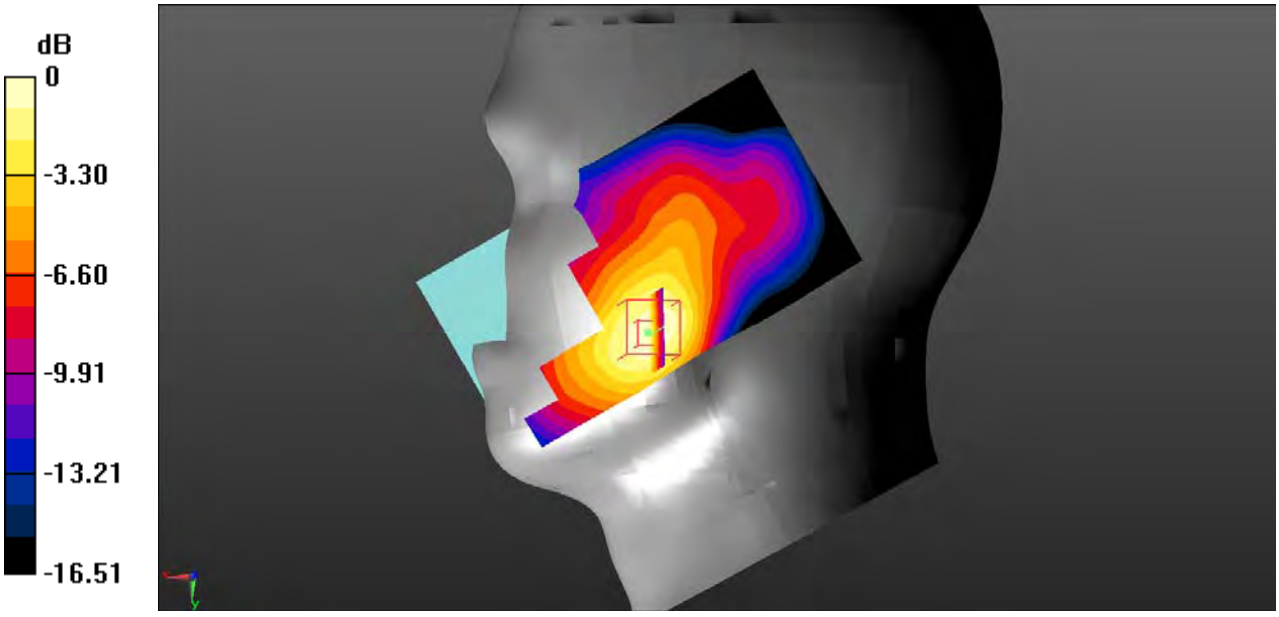
Head Right Cheek/LTE Band 66 1RB Mid/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 16.90 V/m; Power Drift = -0.00 dB

Peak SAR (extrapolated) = 0.567 W/kg

SAR(1 g) = 0.343 W/kg; SAR(10 g) = 0.210 W/kg

Maximum value of SAR (measured) = 0.491 W/kg



0 dB = 0.491 W/kg = -3.09 dBW/kg

Test Plot 38#

DUT: T5810; Serial: 354721086919621

Communication System: UID 0, Generic FDD-LTE ; Frequency: 1745 MHz;Duty Cycle: 1:1

Medium parameters used: f = 1745 MHz; σ = 1.359 S/m; εr = 39.959; ρ = 1000 kg/m^3

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7557; ConvF (8.67, 8.67, 8.67) @ 1745 MHz; Calibrated: 10/4/2019
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn527; Calibrated: 7/9/2020
- Phantom: Twin-SAM V8.0 (20deg probe tilt)-Right; Type: QD 000 P40 CB; Serial: 1368
- Measurement SW: DASY52, Version 52.10 (2);

Body Back/LTE Band 66 1RB Mid/Area Scan (61x111x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.00 W/kg

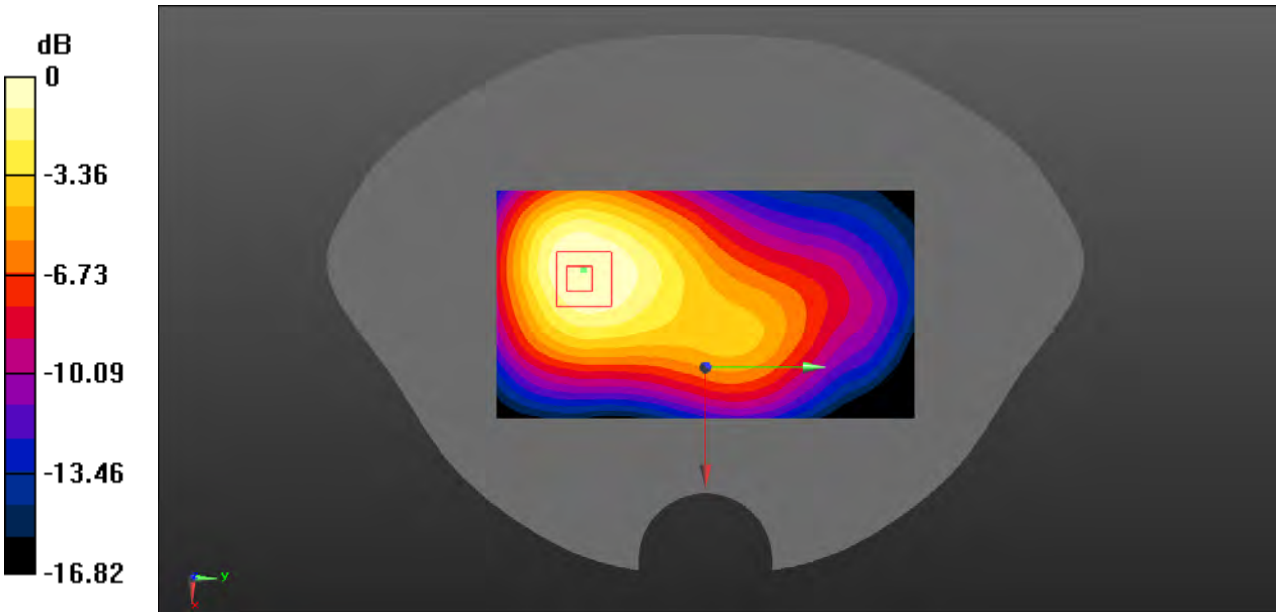
Body Back/LTE Band 66 1RB Mid/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 27.50 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 1.09 W/kg

SAR(1 g) = 0.663 W/kg; SAR(10 g) = 0.404 W/kg

Maximum value of SAR (measured) = 0.905 W/kg



0 dB = 0.905 W/kg = -0.43 dBW/kg

Test Plot 39#

DUT: T5810; Serial: 354721086919621

Communication System: UID 0, Generic FDD-LTE ; Frequency: 1745 MHz;Duty Cycle: 1:1

Medium parameters used: f = 1745 MHz; σ = 1.359 S/m; εr = 39.959; ρ = 1000 kg/m^3

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7557; ConvF (8.67, 8.67, 8.67) @ 1745 MHz; Calibrated: 10/4/2019
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn527; Calibrated: 7/9/2020
- Phantom: Twin-SAM V8.0 (20deg probe tilt)-Right; Type: QD 000 P40 CB; Serial: 1368
- Measurement SW: DASY52, Version 52.10 (2);

Handheld Back/LTE Band 66 1RB Mid/Area Scan (61x111x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 3.55 W/kg

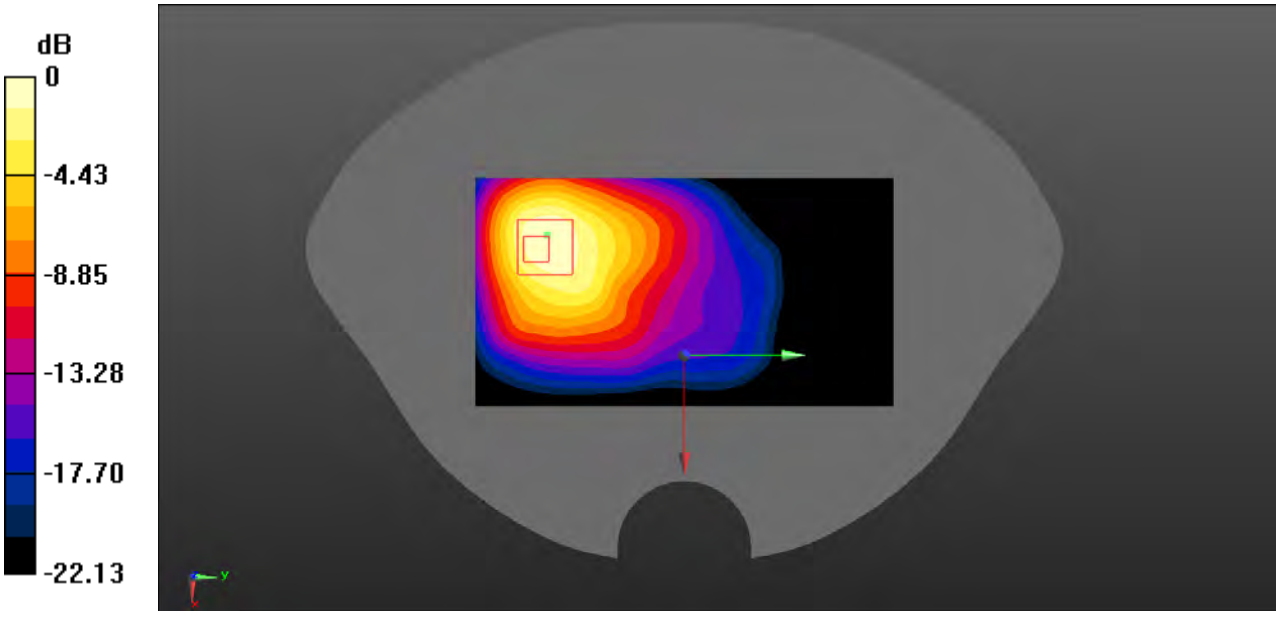
Handheld Back/LTE Band 66 1RB Mid/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 48.29 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 4.70 W/kg

SAR(1 g) = 2.33 W/kg; SAR(10 g) = 1.26 W/kg

Maximum value of SAR (measured) = 3.61 W/kg



0 dB = 3.61 W/kg = 5.58 dBW/kg

Test Plot 40#

DUT: T5810; Serial: 354721086919621

Communication System: UID 0, Generic TDD-LTE ; Frequency: 2595 MHz;Duty Cycle: 1:1.58

Medium parameters used: f = 2595 MHz; σ = 1.934 S/m; εr = 40.579; ρ = 1000 kg/m^3

Phantom section: Right Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7557; ConvF (7.13, 7.13, 7.13) @ 2595 MHz; Calibrated: 11/5/2020
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn527; Calibrated: 7/9/2020
- Phantom: Twin-SAM V8.0 (20deg probe tilt)-Right; Type: QD 000 P40 CB; Serial: 1368
- Measurement SW: DASY52, Version 52.10 (2);

Head Right Cheek/LTE Band 38 1RB Mid/Area Scan (71x131x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.367 W/kg

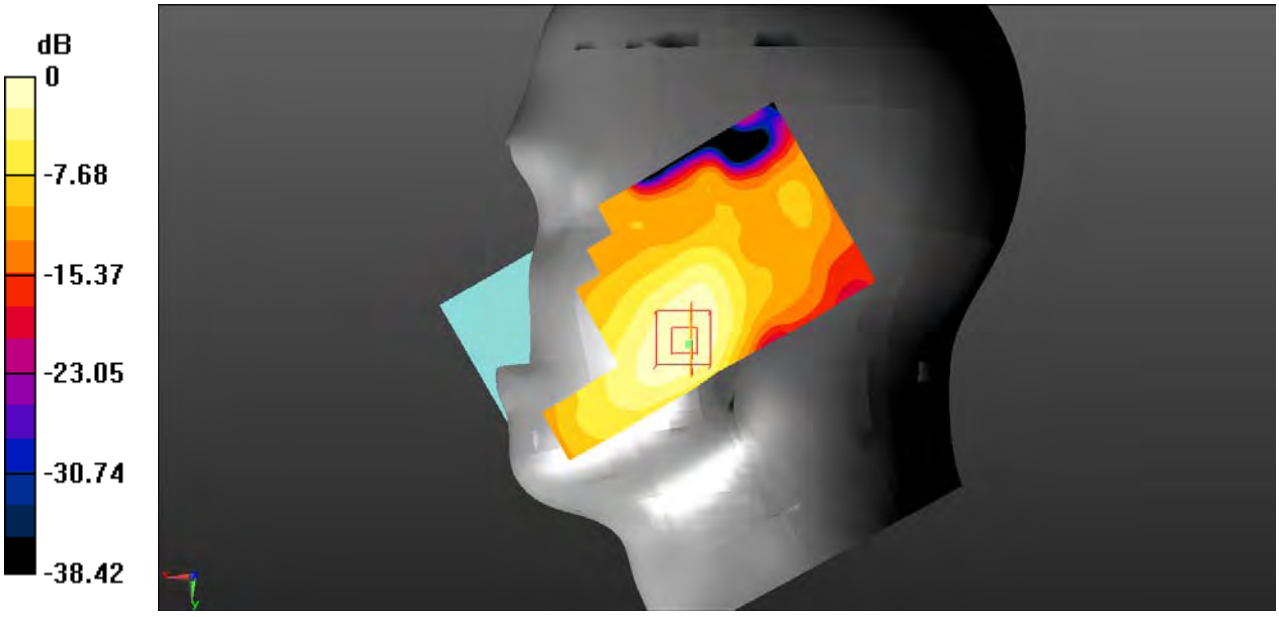
Head Right Cheek/LTE Band 38 1RB Mid/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 12.32 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 0.461 W/kg

SAR(1 g) = 0.237 W/kg; SAR(10 g) = 0.123 W/kg

Maximum value of SAR (measured) = 0.372 W/kg



0 dB = 0.372 W/kg = -4.29 dBW/kg

Test Plot 41#

DUT: T5810; Serial: 354721086919621

Communication System: UID 0, Generic TDD-LTE ; Frequency: 2595 MHz;Duty Cycle: 1:1.58

Medium parameters used: f = 2595 MHz; σ = 1.943 S/m; εr = 39.213; ρ = 1000 kg/m^3

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7557; ConvF (7.21, 7.21, 7.21) @ 2595 MHz; Calibrated: 10/4/2019
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn527; Calibrated: 7/9/2020
- Phantom: Twin-SAM V8.0 (20deg probe tilt)-Right; Type: QD 000 P40 CB; Serial: 1368
- Measurement SW: DASY52, Version 52.10 (2);

Body Back/LTE Band 38 1RB Mid/Area Scan (71x131x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

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

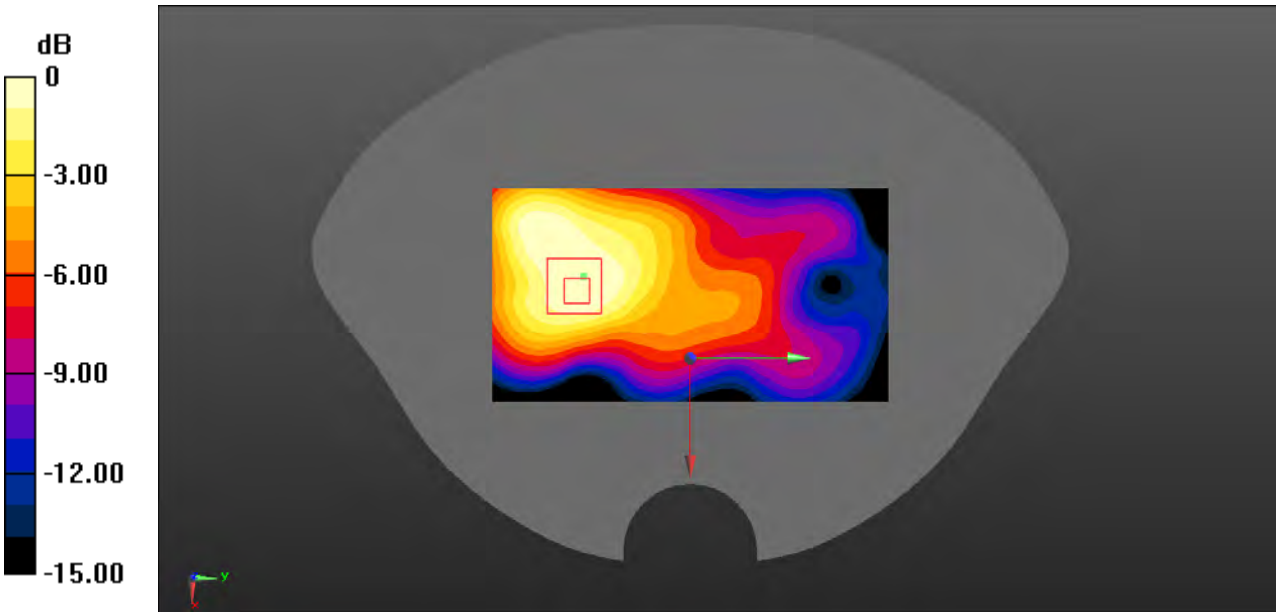
Body Back/LTE Band 38 1RB Mid/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 12.80 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.389 W/kg

SAR(1 g) = 0.197 W/kg; SAR(10 g) = 0.103 W/kg

Maximum value of SAR (measured) = 0.311 W/kg



0 dB = 0.311 W/kg = -5.07 dBW/kg

Test Plot 42#

DUT: T5810; Serial: 354721086919621

Communication System: UID 0, Generic TDD-LTE ; Frequency: 2595 MHz;Duty Cycle: 1:1.58

Medium parameters used: f = 2595 MHz; σ = 1.943 S/m; εr = 39.213; ρ = 1000 kg/m^3

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7557; ConvF (7.21, 7.21, 7.21) @ 2595 MHz; Calibrated: 10/4/2019
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn527; Calibrated: 7/9/2020
- Phantom: Twin-SAM V8.0 (20deg probe tilt)-Right; Type: QD 000 P40 CB; Serial: 1368
- Measurement SW: DASY52, Version 52.10 (2);

Handheld Right/LTE Band 38 1RB Mid/Area Scan (41x131x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 5.58 W/kg

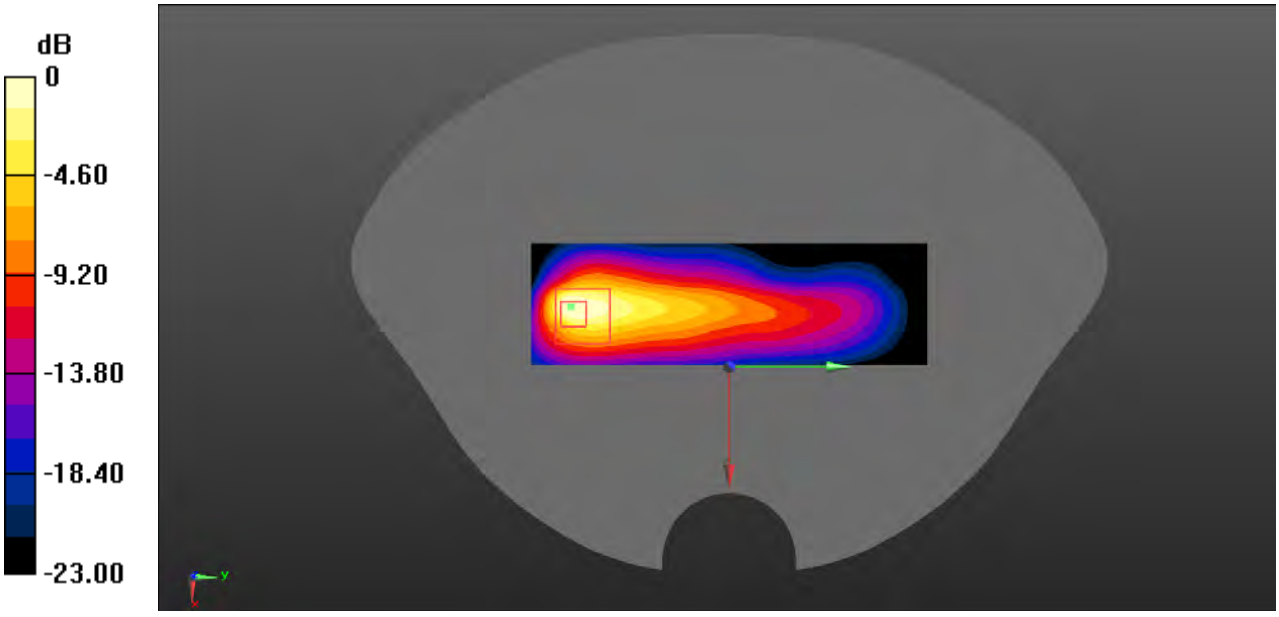
Handheld Right/LTE Band 38 1RB Mid/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 37.72 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 8.92 W/kg

SAR(1 g) = 2.03 W/kg; SAR(10 g) = 0.771 W/kg

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



0 dB = 4.59 W/kg = 6.62 dBW/kg

Test Plot 43#

DUT: T5810; Serial: 354721086919621

Communication System: UID 0, Generic TDD-LTE ; Frequency: 2605 MHz;Duty Cycle: 1:1.58

Medium parameters used: f = 2605 MHz; σ = 1.941 S/m; εr = 40.563; ρ = 1000 kg/m^3

Phantom section: Right Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7557; ConvF (7.13, 7.13, 7.13) @ 2595 MHz; Calibrated: 11/5/2020
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn527; Calibrated: 7/9/2020
- Phantom: Twin-SAM V8.0 (20deg probe tilt)-Right; Type: QD 000 P40 CB; Serial: 1368
- Measurement SW: DASY52, Version 52.10 (2);

Head Right Cheek/LTE Band 41 1RB Mid/Area Scan (71x131x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.371 W/kg

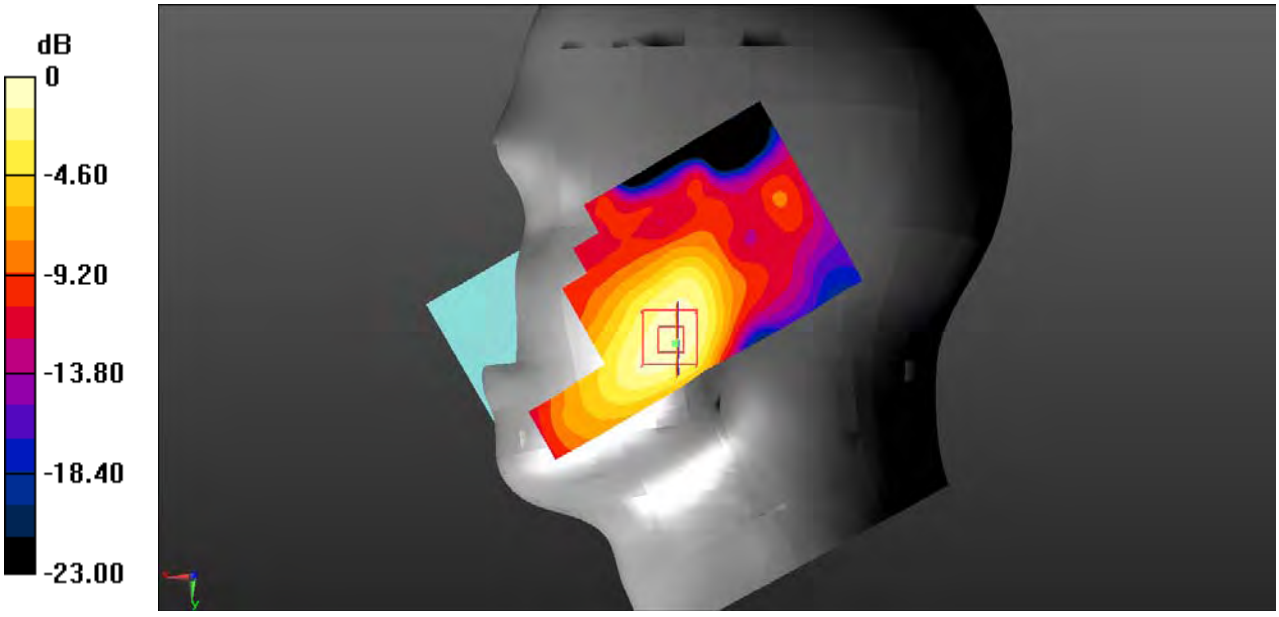
Head Right Cheek/LTE Band 41 1RB Mid /Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 12.34 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 0.465 W/kg

SAR(1 g) = 0.239 W/kg; SAR(10 g) = 0.124 W/kg

Maximum value of SAR (measured) = 0.376 W/kg



0 dB = 0.376 W/kg = -4.25 dBW/kg

Test Plot 44#

DUT: T5810; Serial: 354721086919621

Communication System: UID 0, Generic TDD-LTE ; Frequency: 2605 MHz;Duty Cycle: 1:1.58

Medium parameters used: f = 2605 MHz; σ = 1.955 S/m; εr = 39.184; ρ = 1000 kg/m^3

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7557; ConvF (7.21, 7.21, 7.21) @ 2605 MHz; Calibrated: 10/4/2019
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn527; Calibrated: 7/9/2020
- Phantom: Twin-SAM V8.0 (20deg probe tilt)-Right; Type: QD 000 P40 CB; Serial: 1368
- Measurement SW: DASY52, Version 52.10 (2);

Body Back/LTE Band 41 1RB Mid/Area Scan (71x131x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.364 W/kg

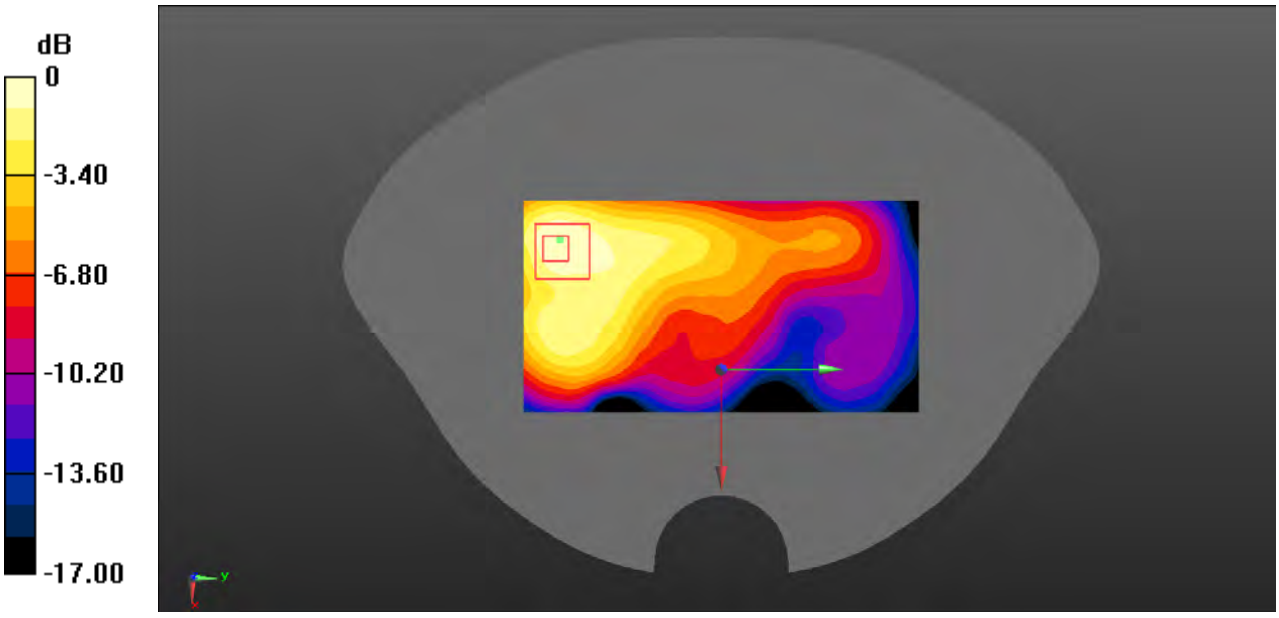
Body Back/LTE Band 41 1RB Mid /Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 11.46 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.452 W/kg

SAR(1 g) = 0.197 W/kg; SAR(10 g) = 0.095 W/kg

Maximum value of SAR (measured) = 0.339 W/kg



0 dB = 0.339 W/kg = -4.70 dBW/kg

Test Plot 45#

DUT: T5810; Serial: 354721086919621

Communication System: UID 0, Generic TDD-LTE ; Frequency: 2605 MHz;Duty Cycle: 1:1.58

Medium parameters used: f = 2605 MHz; σ = 1.955 S/m; εr = 39.184; ρ = 1000 kg/m^3

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7557; ConvF (7.21, 7.21, 7.21) @ 2605 MHz; Calibrated: 10/4/2019
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn527; Calibrated: 7/9/2020
- Phantom: Twin-SAM V8.0 (20deg probe tilt)-Right; Type: QD 000 P40 CB; Serial: 1368
- Measurement SW: DASY52, Version 52.10 (2);

Handheld Right/LTE Band 41 1RB Mid/Area Scan (41x131x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 4.28 W/kg

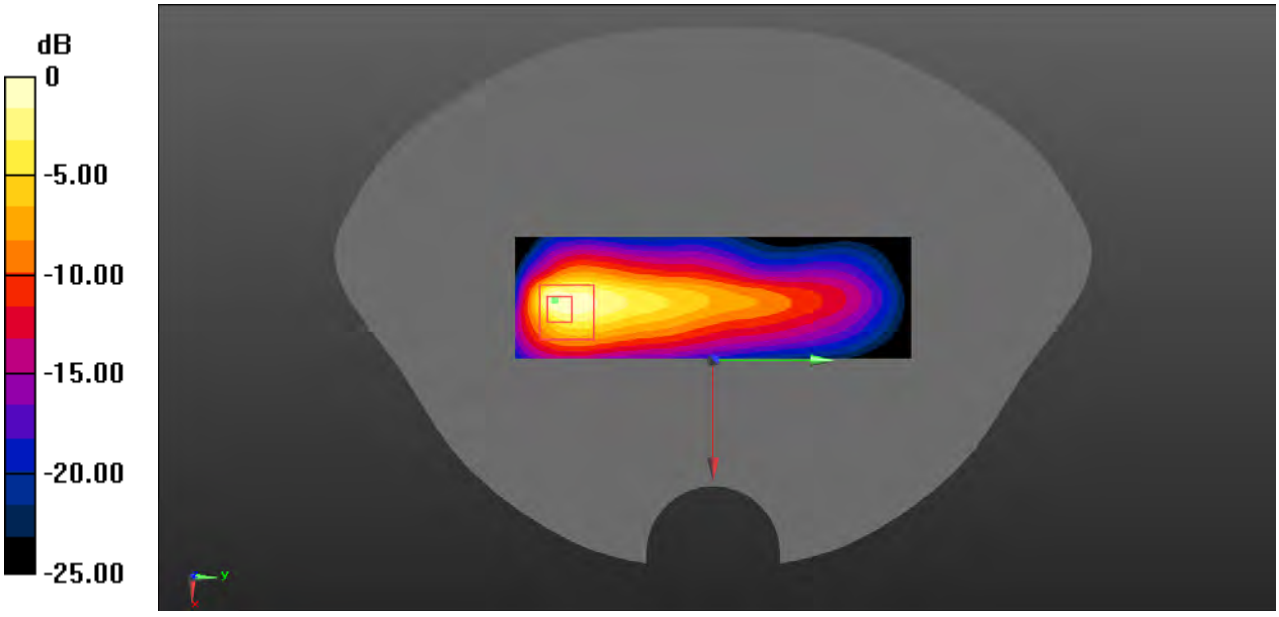
Handheld Right/LTE Band 41 1RB Mid /Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 36.03 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 8.29 W/kg

SAR(1 g) = 2.02 W/kg; SAR(10 g) = 0.764 W/kg

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



0 dB = 4.38 W/kg = 6.41 dBW/kg

Test Plot 46#

DUT: T5810; Serial: 354721086919621

Communication System: UID 0, 802.11b; Frequency: 2437MHz;Duty Cycle: 1:1

Medium parameters used: f = 2437 MHz; σ = 1.806 S/m; εr = 40.813; ρ = 1000 kg/m^3

Phantom section: Right Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7557; ConvF (7.23, 7.23, 7.23) @ 2437 MHz; Calibrated: 11/5/2020
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn527; Calibrated: 7/9/2020
- Phantom: Twin-SAM V8.0 (20deg probe tilt)-Right; Type: QD 000 P40 CB; Serial: 1368
- Measurement SW: DASY52, Version 52.10 (2);

Head Right Cheek/WLAN2.4G 802.11b Mid/Area Scan (71x131x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.605 W/kg

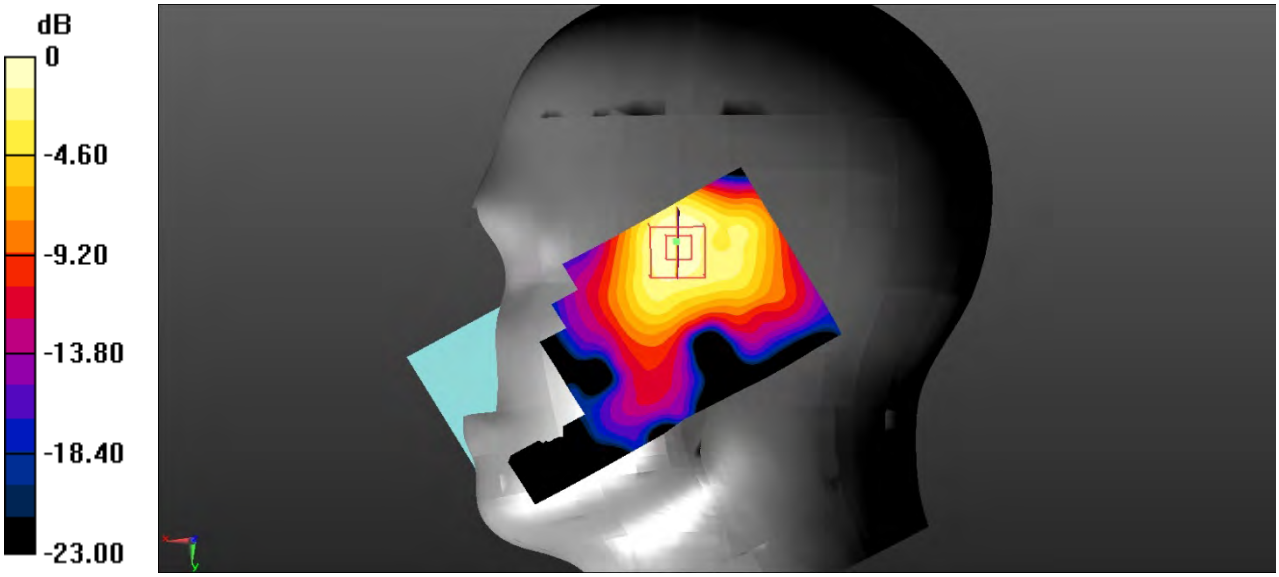
Head Right Cheek/WLAN2.4G 802.11b Mid/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 14.17 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 0.696 W/kg

SAR(1 g) = 0.381 W/kg; SAR(10 g) = 0.201 W/kg

Maximum value of SAR (measured) = 0.557 W/kg



0 dB = 0.557 W/kg = -2.54 dBW/kg

Test Plot 47#

DUT: T5810; Serial: 354721086919621

Communication System: UID 0, 802.11b; Frequency: 2437MHz;Duty Cycle: 1:1

Medium parameters used: f = 2437 MHz; σ = 1.757 S/m; εr = 39.754; ρ = 1000 kg/m^3

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7557; ConvF (7.41, 7.41, 7.41) @ 2437 MHz; Calibrated: 10/4/2019
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn527; Calibrated: 7/9/2020
- Phantom: Twin-SAM V8.0 (20deg probe tilt)-Right; Type: QD 000 P40 CB; Serial: 1368
- Measurement SW: DASY52, Version 52.10 (2);

Body Back/WLAN2.4G 802.11b Mid/Area Scan (71x131x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.609 W/kg

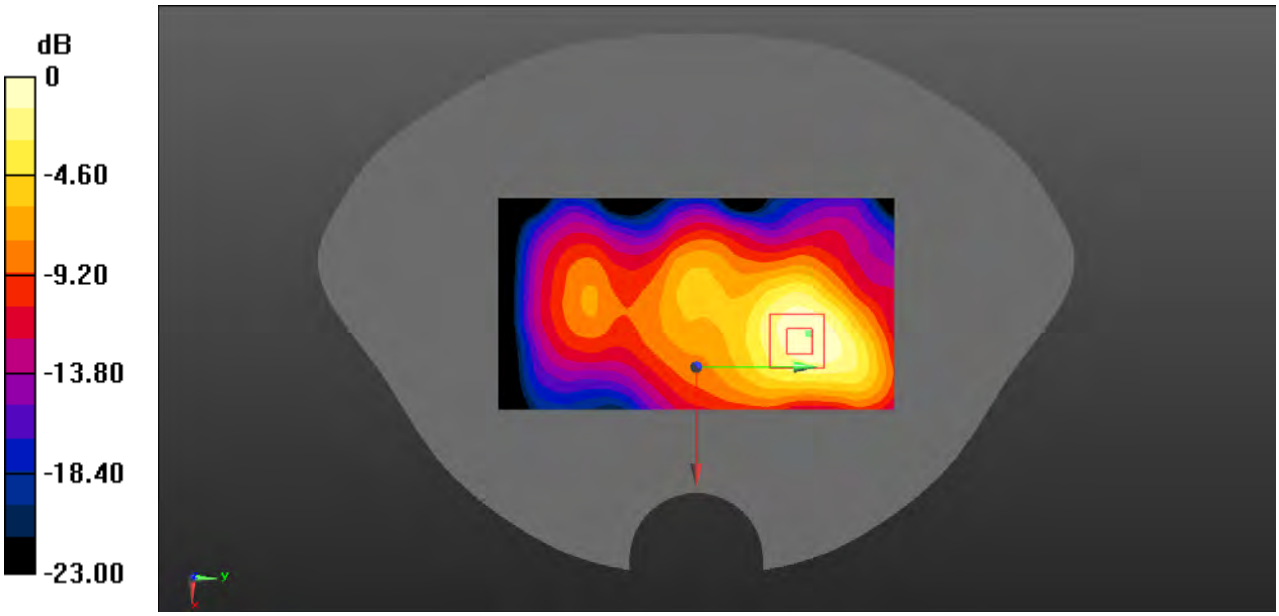
Body Back/WLAN2.4G 802.11b Mid/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 16.11 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.799 W/kg

SAR(1 g) = 0.385 W/kg; SAR(10 g) = 0.197 W/kg

Maximum value of SAR (measured) = 0.624 W/kg



0 dB = 0.624 W/kg = -2.05 dBW/kg

Test Plot 48#

DUT: T5810; Serial: 354721086919621

Communication System: UID 0, 802.11b; Frequency: 2437MHz;Duty Cycle: 1:1

Medium parameters used: f = 2437 MHz; σ = 1.757 S/m; εr = 39.754; ρ = 1000 kg/m^3

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7557; ConvF (7.41, 7.41, 7.41) @ 2437 MHz; Calibrated: 10/4/2019
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn527; Calibrated: 7/9/2020
- Phantom: Twin-SAM V8.0 (20deg probe tilt)-Right; Type: QD 000 P40 CB; Serial: 1368
- Measurement SW: DASY52, Version 52.10 (2);

Handheld Back/WLAN2.4G 802.11b Mid/Area Scan (71x131x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

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

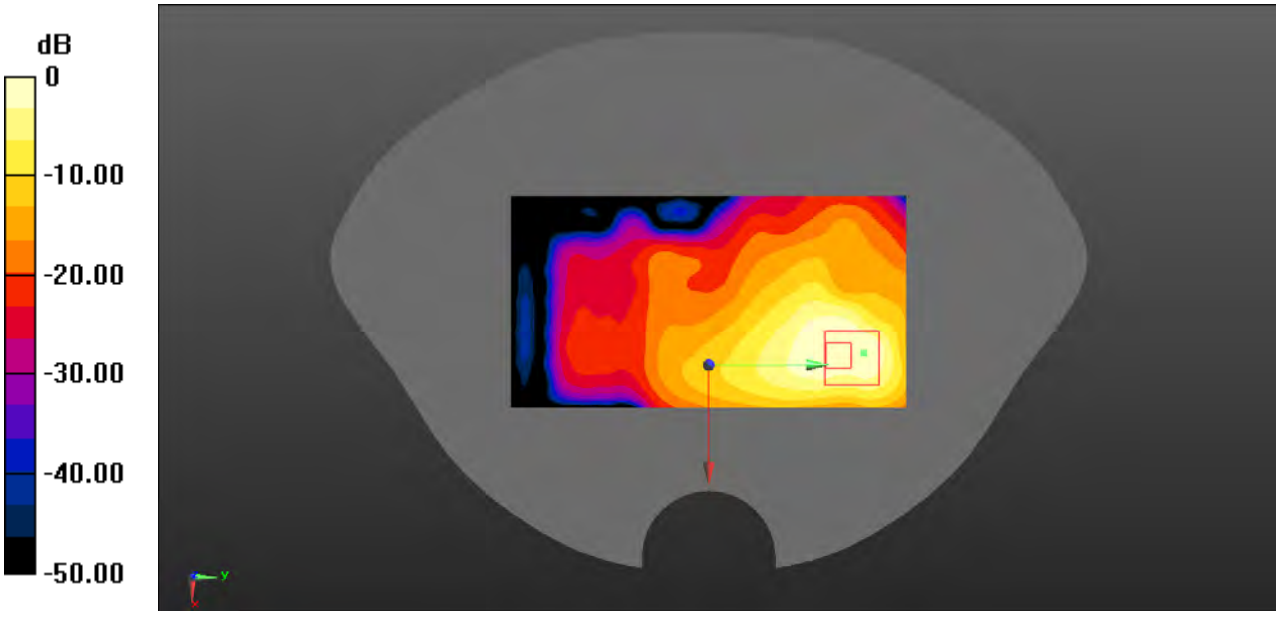
Handheld Back/WLAN2.4G 802.11b Mid/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 39.49 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 5.65 W/kg

SAR(1 g) = 2.52 W/kg; SAR(10 g) = 1.02 W/kg

Maximum value of SAR (measured) = 4.14 W/kg



0 dB = 4.14 W/kg = 6.17 dBW/kg

Test Plot 49#

DUT: T5810; Serial: 354721086919621

Communication System: UID 0, 802.11a; Frequency: 5200 MHz;Duty Cycle: 1:1

Medium parameters used: f = 5200 MHz; σ = 4.732 S/m; εr = 36.423; ρ = 1000 kg/m^3

Phantom section: Right Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7557; ConvF (5.38, 5.38, 5.38) @ 5200 MHz; Calibrated: 11/5/2020
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn527; Calibrated: 7/9/2020
- Phantom: Twin-SAM V8.0 (20deg probe tilt)-Right; Type: QD 000 P40 CB; Serial: 1368
- Measurement SW: DASY52, Version 52.10 (2);

Head Right Cheek/WLAN5G 802.11a Mid/Area Scan (91x161x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 3.24 W/kg

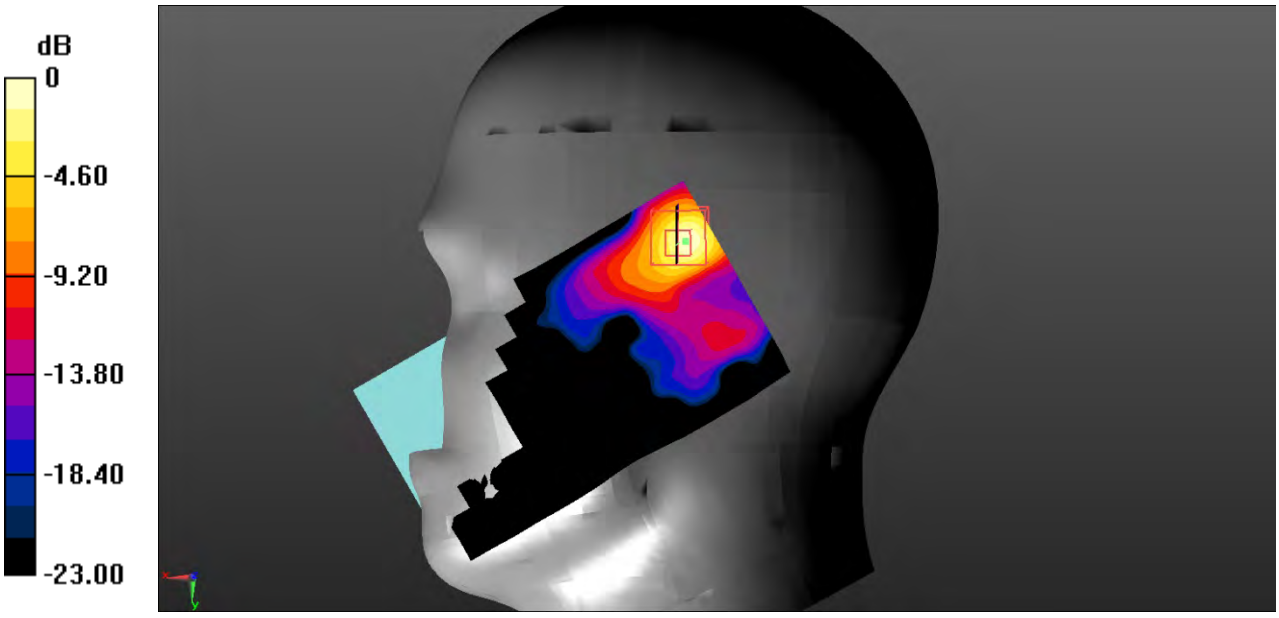
Head Right Cheek/WLAN5G 802.11a Mid/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 13.14 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 5.47 W/kg

SAR(1 g) = 0.975 W/kg; SAR(10 g) = 0.301 W/kg

Maximum value of SAR (measured) = 3.45 W/kg



0 dB = 3.45 W/kg = 5.38 dBW/kg

Test Plot 50#

DUT: T5810; Serial: 354721086919621

Communication System: UID 0, 802.11a; Frequency: 5240 MHz;Duty Cycle: 1:1

Medium parameters used: f = 5240 MHz; σ = 4.666 S/m; εr = 37.268; ρ = 1000 kg/m^3

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7557; ConvF (5.38, 5.38, 5.38) @ 5240 MHz; Calibrated: 10/4/2019
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn527; Calibrated: 7/9/2020
- Phantom: Twin-SAM V8.0 (20deg probe tilt)-Right; Type: QD 000 P40 CB; Serial: 1368
- Measurement SW: DASY52, Version 52.10 (2);

Body Back/WLAN5G 802.11a High/Area Scan (91x161x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 1.87 W/kg

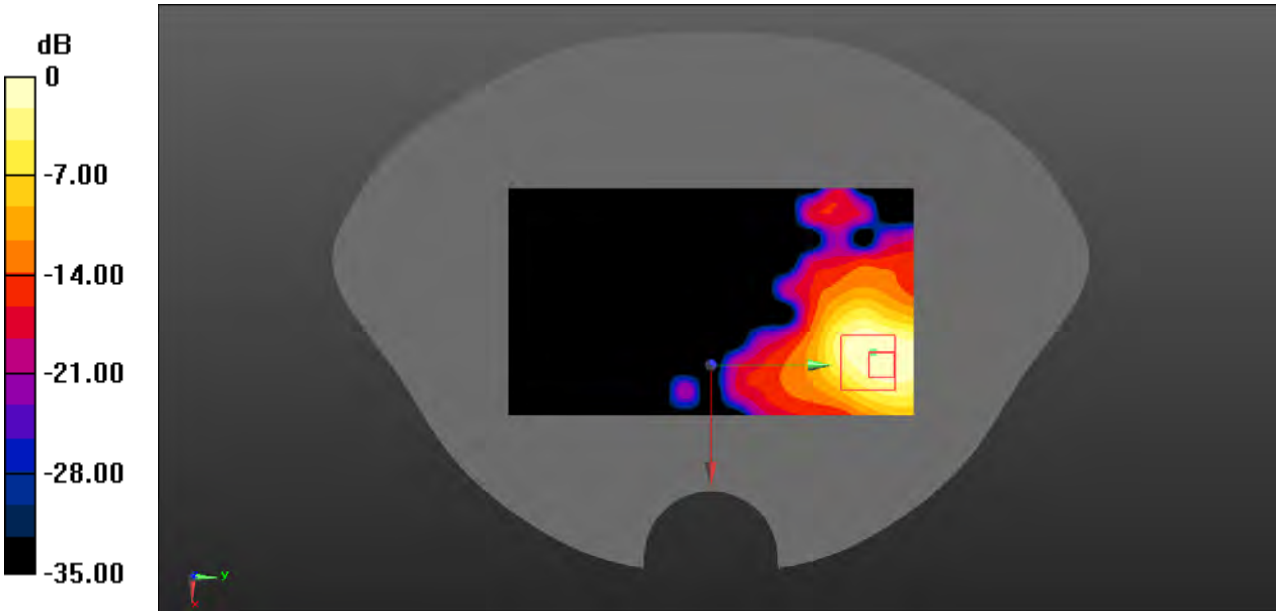
Body Back/WLAN5G 802.11a High/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 17.30 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 2.86 W/kg

SAR(1 g) = 0.775 W/kg; SAR(10 g) = 0.281 W/kg

Maximum value of SAR (measured) = 1.77 W/kg



0 dB = 1.77 W/kg = 2.48 dBW/kg

Test Plot 51#

DUT: T5810; Serial: 354721086919621

Communication System: UID 0, 802.11a; Frequency: 5200 MHz;Duty Cycle: 1:1

Medium parameters used: f = 5200 MHz; σ = 4.616 S/m; εr = 37.309; ρ = 1000 kg/m^3

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7557; ConvF (5.38, 5.38, 5.38) @ 5200 MHz; Calibrated: 10/4/2019
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn527; Calibrated: 7/9/2020
- Phantom: Twin-SAM V8.0 (20deg probe tilt)-Right; Type: QD 000 P40 CB; Serial: 1368
- Measurement SW: DASY52, Version 52.10 (2);

Handheld Back/WLAN5G 802.11a Mid/Area Scan (91x161x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 10.5 W/kg

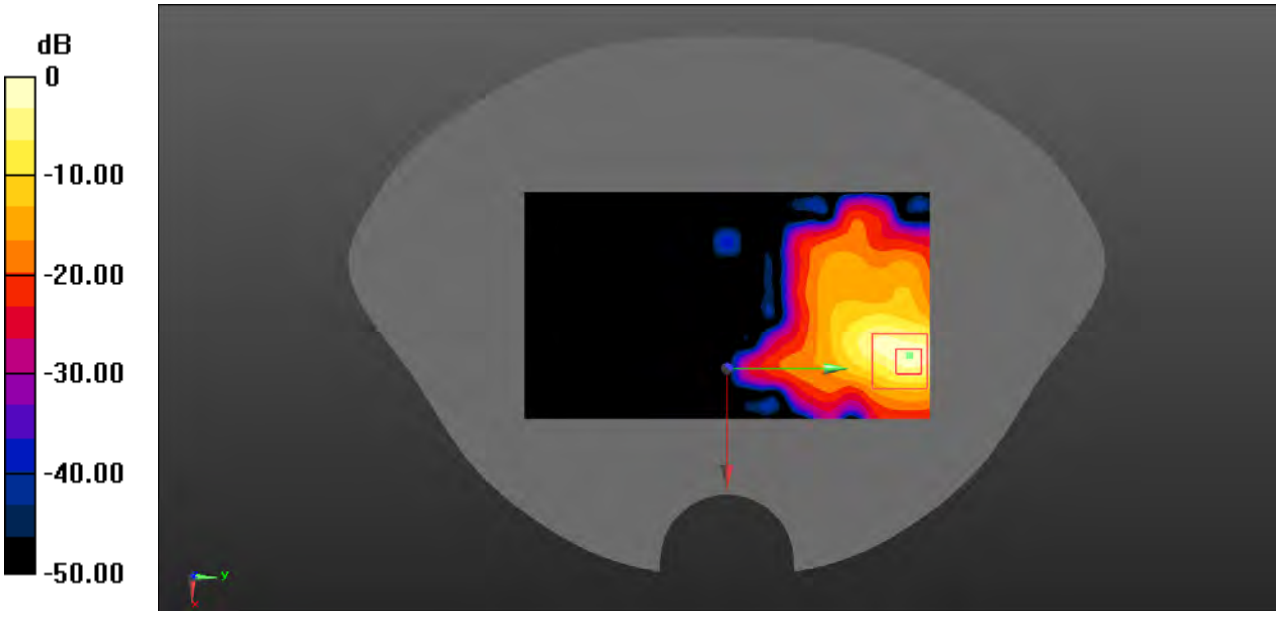
Handheld Back/WLAN5G 802.11a Mid/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 44.00 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 30.8 W/kg

SAR(1 g) = 6.02 W/kg; SAR(10 g) = 1.6 W/kg

Maximum value of SAR (measured) = 15.7 W/kg



0 dB = 15.7 W/kg = 11.96 dBW/kg

Test Plot 52#

DUT: T5810; Serial: 354721086919621

Communication System: UID 0, 802.11a; Frequency: 5785 MHz;Duty Cycle: 1:1

Medium parameters used: f = 5785 MHz; σ = 5.477 S/m; εr = 35.206; ρ = 1000 kg/m^3

Phantom section: Right Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7557; ConvF (4.73, 4.73, 4.73) @ 5785 MHz; Calibrated: 11/5/2020
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn527; Calibrated: 7/9/2020
- Phantom: Twin-SAM V8.0 (20deg probe tilt)-Right; Type: QD 000 P40 CB; Serial: 1368
- Measurement SW: DASY52, Version 52.10 (2);

Head Right Tilted/WLAN5G 802.11a Mid/Area Scan (91x161x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 3.61 W/kg

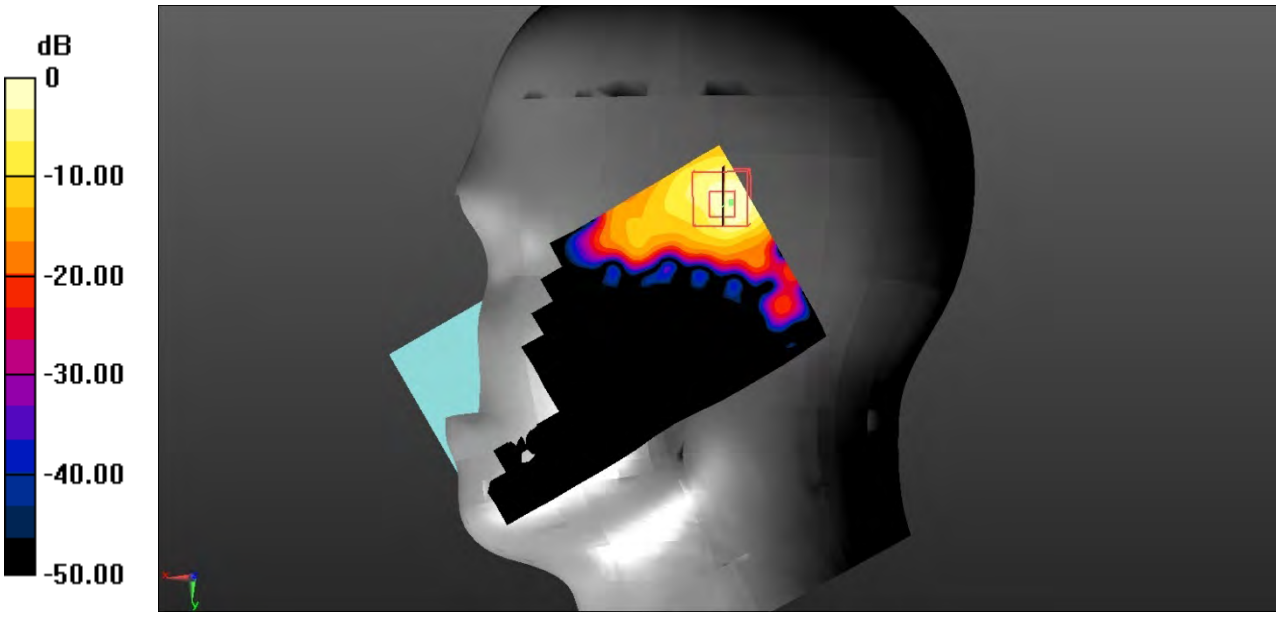
Head Right Tilted/WLAN5G 802.11a Mid/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 11.83 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 5.63 W/kg

SAR(1 g) = 0.882 W/kg; SAR(10 g) = 0.261 W/kg

Maximum value of SAR (measured) = 3.24 W/kg



0 dB = 3.24 W/kg = 5.11 dBW/kg

Test Plot 53#

DUT: T5810; Serial: 354721086919621

Communication System: UID 0, 802.11a; Frequency: 5745 MHz;Duty Cycle: 1:1

Medium parameters used: f = 5745 MHz; σ = 5.18 S/m; εr = 36.529; ρ = 1000 kg/m^3

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7557; ConvF (4.7, 4.7, 4.7) @ 5745 MHz; Calibrated: 10/4/2019
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn527; Calibrated: 7/9/2020
- Phantom: Twin-SAM V8.0 (20deg probe tilt)-Right; Type: QD 000 P40 CB; Serial: 1368
- Measurement SW: DASY52, Version 52.10 (2);

Body Back/WLAN5G 802.11a Low/Area Scan (91x161x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 2.56 W/kg

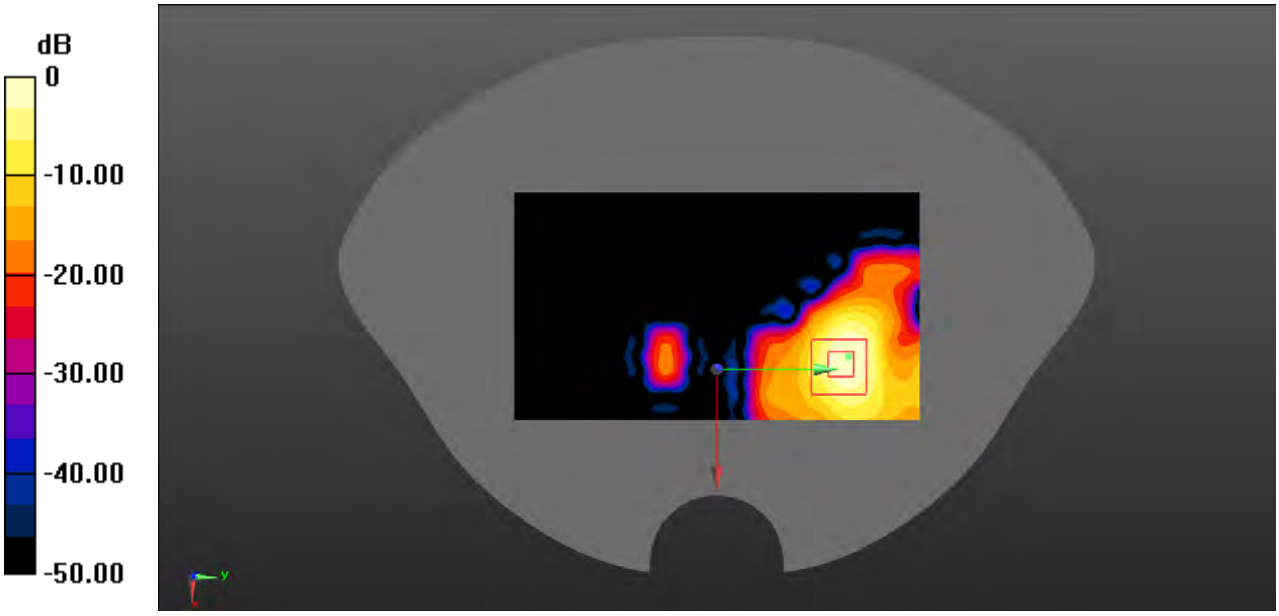
Body Back/WLAN5G 802.11a Low/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 10.86 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 4.03 W/kg

SAR(1 g) = 0.772 W/kg; SAR(10 g) = 0.225 W/kg

Maximum value of SAR (measured) = 2.40 W/kg



0 dB = 2.40 W/kg = 3.80 dBW/kg

Test Plot 54#

DUT: T5810; Serial: 354721086919621

Communication System: UID 0, 802.11a; Frequency: 5785 MHz;Duty Cycle: 1:1

Medium parameters used: f = 5785 MHz; σ = 5.227 S/m; εr = 36.518; ρ = 1000 kg/m^3

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7557; ConvF (4.7, 4.7, 4.7) @ 5785 MHz; Calibrated: 10/4/2019
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn527; Calibrated: 7/9/2020
- Phantom: Twin-SAM V8.0 (20deg probe tilt)-Right; Type: QD 000 P40 CB; Serial: 1368
- Measurement SW: DASY52, Version 52.10 (2);

Handheld Back/WLAN5G 802.11a Mid/Area Scan (91x161x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 11.7 W/kg

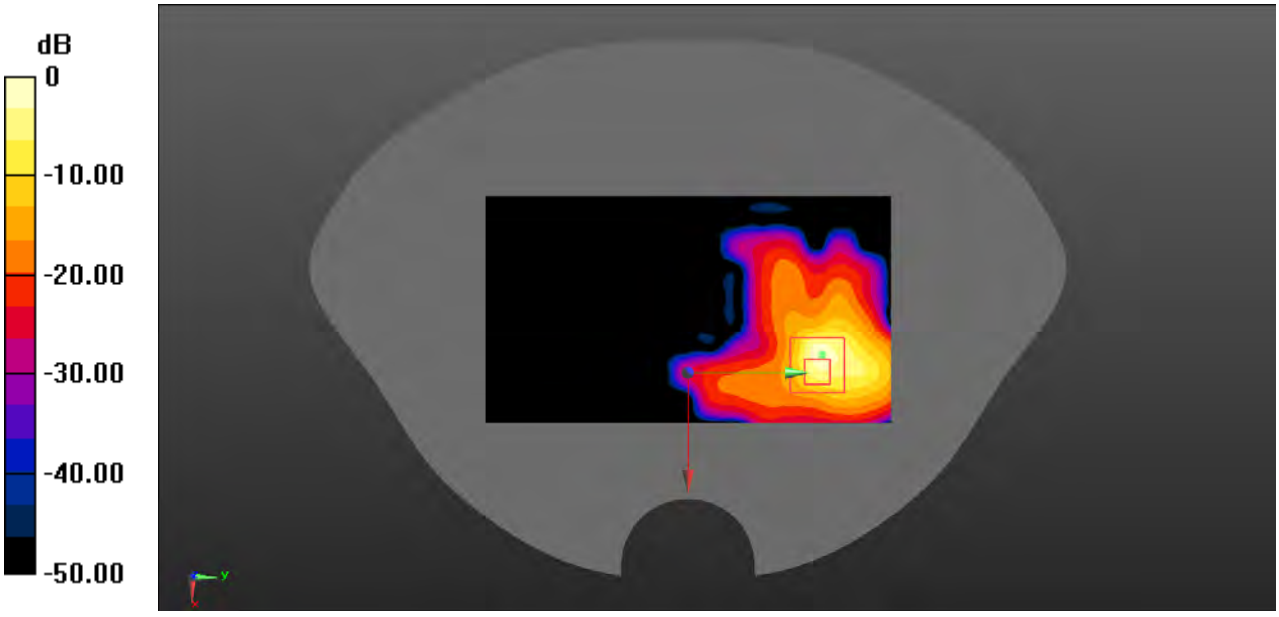
Handheld Back/WLAN5G 802.11a Mid/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 20.22 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 48.7 W/kg

SAR(1 g) = 4.08 W/kg; SAR(10 g) = 0.681 W/kg

Maximum value of SAR (measured) = 14.1 W/kg



0 dB = 14.1 W/kg = 11.49 dBW/kg

Test Plot 55#

DUT: T5810; Serial: 354721086919621

Communication System: UID 0, Bluetooth; Frequency: 2402MHz;Duty Cycle: 1:1

Medium parameters used: f = 2402 MHz; σ = 1.78 S/m; εr = 40.869; ρ = 1000 kg/m^3

Phantom section: Right Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7557; ConvF (7.23, 7.23, 7.23) @ 2402 MHz; Calibrated: 11/5/2020
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn527; Calibrated: 7/9/2020
- Phantom: Twin-SAM V8.0 (20deg probe tilt)-Right; Type: QD 000 P40 CB; Serial: 1368
- Measurement SW: DASY52, Version 52.10 (2);

Head Right Cheek/BDRGFSKLow/Area Scan (71x131x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.197 W/kg

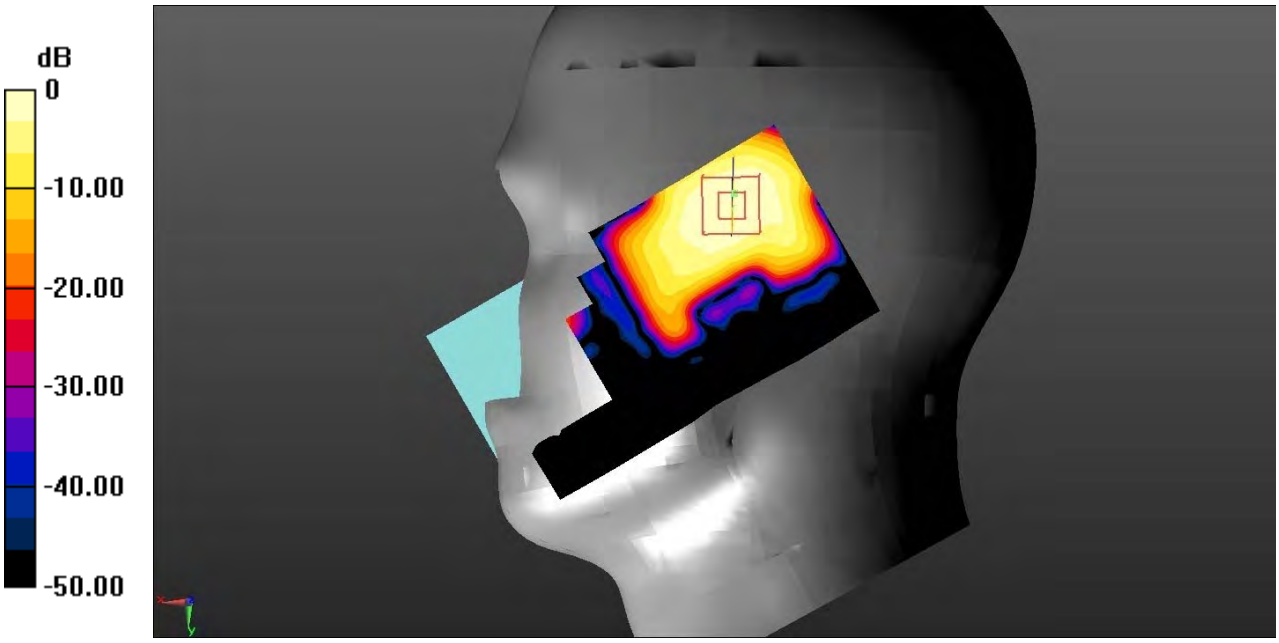
Head Right Cheek/BDR GFSK Low/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 10.15 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 0.238 W/kg

SAR(1 g) = 0.128 W/kg; SAR(10 g) = 0.060 W/kg

Maximum value of SAR (measured) = 0.196 W/kg



0 dB = 0.196 W/kg = -7.08 dBW/kg

Test Plot 56#

DUT: T5810; Serial: 354721086919621

Communication System: UID 0, Bluetooth; Frequency: 2402MHz;Duty Cycle: 1:1

Medium parameters used: f = 2402 MHz; σ = 1.717 S/m; εr = 39.886; ρ = 1000 kg/m^3

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7557; ConvF (7.41, 7.41, 7.41) @ 2402 MHz; Calibrated: 10/4/2019
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn527; Calibrated: 7/9/2020
- Phantom: Twin-SAM V8.0 (20deg probe tilt)-Right; Type: QD 000 P40 CB; Serial: 1368
- Measurement SW: DASY52, Version 52.10 (2);

Body Back/BDR GFSK Low/Area Scan (71x131x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.0846 W/kg

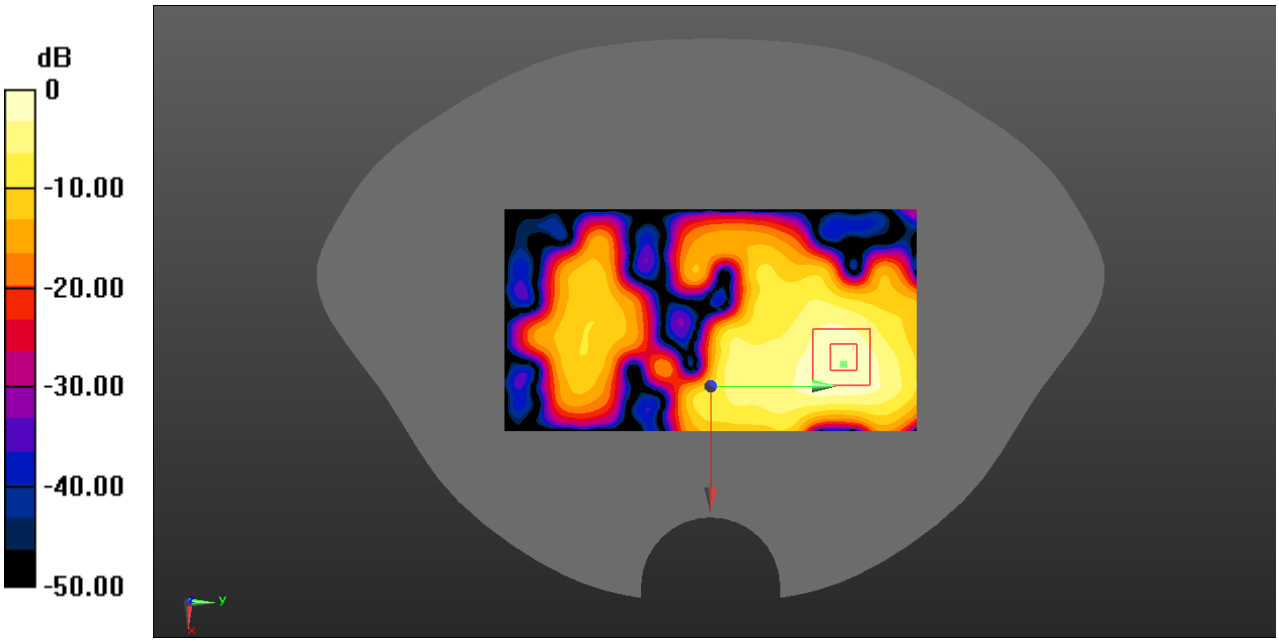
Body Back/BDR GFSK Low/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 7.051 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 0.0980 W/kg

SAR(1 g) = 0.046 W/kg; SAR(10 g) = 0.020 W/kg

Maximum value of SAR (measured) = 0.0769 W/kg



0 dB = 0.0769 W/kg = -11.14 dBW/kg

Test Plot 57#

DUT: T5810; Serial: 354721086919621

Communication System: UID 0, Bluetooth; Frequency: 2402MHz;Duty Cycle: 1:1

Medium parameters used: f = 2402 MHz; σ = 1.717 S/m; εr = 39.886; ρ = 1000 kg/m^3

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7557; ConvF (7.41, 7.41, 7.41) @ 2402 MHz; Calibrated: 10/4/2019
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn527; Calibrated: 7/9/2020
- Phantom: Twin-SAM V8.0 (20deg probe tilt)-Right; Type: QD 000 P40 CB; Serial: 1368
- Measurement SW: DASY52, Version 52.10 (2);

Handheld Back/BDR GFSK Low/Area Scan (71x131x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.407 W/kg

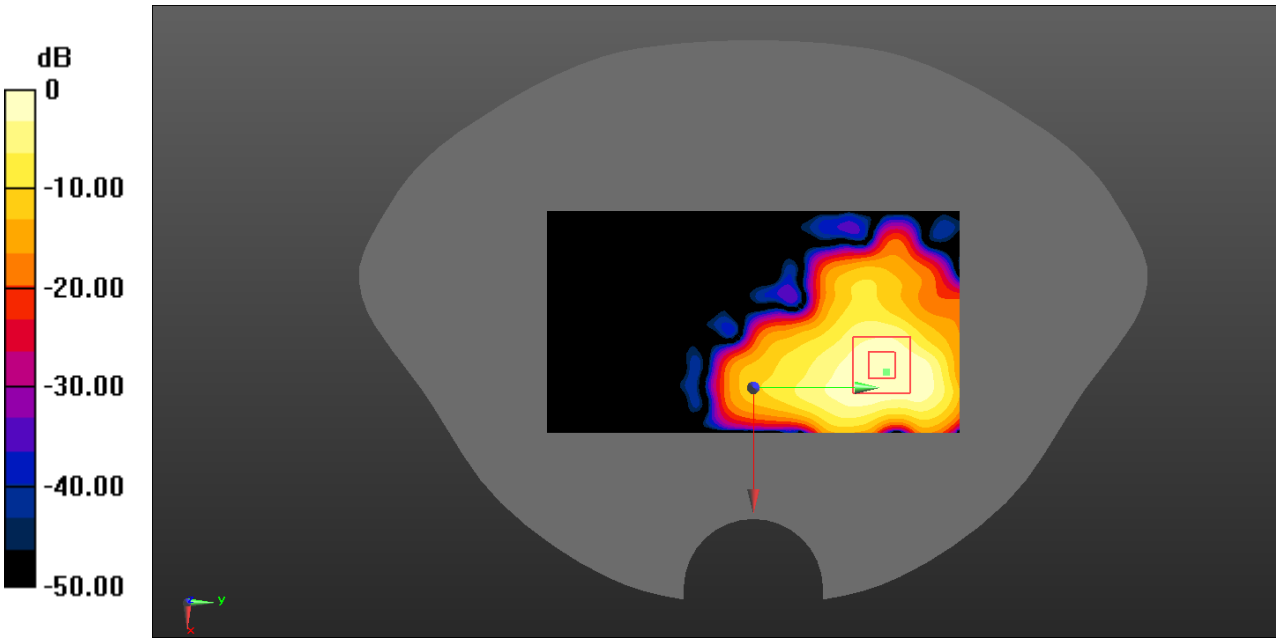
Handheld Back/BDR GFSK Low/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 15.29 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 0.454 W/kg

SAR(1 g) = 0.222 W/kg; SAR(10 g) = 0.104 W/kg

Maximum value of SAR (measured) = 0.362 W/kg



0 dB = 0.362 W/kg = -4.41 dBW/kg

APPENDIX D CALIBRATION CERTIFICATES

Please refer to the file document of RKSA200924004-20

APPENDIX D CALIBRATION CERTIFICATES.

******* END OF REPORT *******