SAR EVALUATION REPORT

For

Shenzhen Jingwah Information Technology Co., Ltd.

4F, Bldg 4, Jinghua Square, No.1 Huafa North Road, Shenzhen, China

FCC ID: RBD-S55L

Report Type:	Product Type:
Revised Report	Smart Phone

Test Engineer:	Terry XiaHou
Report Number:	RSZ151216006-20A Rev
Report Date:	2016-11-10
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Attestation of Test Results			
EUT Information	**Company Name**	Shenzhen Jingwah Information Technology Co., Ltd.	
	EUT Description	Smart Phone	
	FCC ID	RBD-S55L	
	Model Number	Main model: S55L Multiple model: S55	
	Test Date	2016-10-10 to 2016-10-13.	
Frequency	**Max. SAR Level(s) Reported**		**Limit(W/Kg)**
GSM 850	0.247 W/kg 1g Head SAR 0.359 W/kg 1g Body SAR		**1. 6**
PCS 1900	0.361 W/kg 1g Head SAR 0.462 W/kg 1g Body SAR		
WCDMA 850	0.060 W/kg 1g Head SAR 0.133 W/kg 1g Body SAR		
WCDMA 1700	0.306 W/kg 1g Head SAR 0.605 W/kg 1g Body SAR		
WCDMA 1900	0.147 W/kg 1g Head SAR 0.582 W/kg 1g Body SAR		
LTE Band 2	0.199 W/kg 1g Head SAR 0.325 W/kg 1g Body SAR		
LTE Band 4	0.398 W/kg 1g Head SAR 0.500 W/kg 1g Body SAR		
LTE Band 5	0.096 W/kg 1g Head SAR 0.138 W/kg 1g Body SAR		
LTE Band 7	0.087 W/kg 1g Head SAR 0.075 W/kg 1g Body SAR		
LTE Band 17	0.159 W/kg 1g Head SAR 0.237 W/kg 1g Body SAR		
Simultaneous	0.772 W/kg 1g Head SAR 0.792 W/kg 1g Body SAR		
Hotspot	0.792 W/kg 1g Body SAR		
Applicable Standards	**FCC 47 CFR part 2.1093** Radiofrequency radiation exposure evaluation: portable devices		
	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 62209-2:2010 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 941225 D06 Hotspot Mode v02r01.		

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 ANSI/IEEE Standards 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.

Note: For LTE Band 7, please refer to Report RSZ151216006-20B Rev.

TABLE OF CONTENTS

DOCUMENT REVISION HISTORY

Revision Number	Report Number	Description of Revision	Date of Revision
0	RSZ151216006-20A	Original Report	2015-12-24
1	RSZ151216006-20A Rev	Revised Report	2016-11-10

For LTE band 7, please refer to Report RSZ151216006-20B Rev.

EUT DESCRIPTION

This report has been prepared on behalf of Shenzhen Jingwah Information Technology Co., Ltd. and their product, FCC ID: RBD-S55L, Model: S55L or the EUT (Equipment under Test) as referred to in the rest of this report.

**Note: This series products model: S55L and S55, we select model: S55L to test, there is no electrical change has been made to the equipment, please refer to the product similarity letter.*

For LTE Band 7, please refer to Report RSZ151216006-20B Rev.

Technical Specification

Product Type	Portable
Exposure Category:	Population / Uncontrolled
Antenna Type(s):	Internal Antenna
Body-Worn Accessories:	Headset
Face-Head Accessories:	None
Multi-slot Class:	Class12
Operation Mode :	GSM Voice, EGPRS/GPRS Data, WCDMA(Rel99, HSUPA, HSDPA, DC-HSPA， HSPA+),LTE, Wi-Fi and Bluetooth
Frequency Band:	GSM 850 : 824-849 MHz(TX) ; 869-894 MHz(RX) PCS 1900: 1850-1910 MHz(TX) ; 1930-1990 MHz(RX) WCDMA 850: 824-849 MHz(TX) ; 869-894 MHz(RX) WCDMA 1700: 1710-1755MHz(TX); 2110-2155MHz(RX) WCDMA 1900: 1850-1910 MHz(TX) ; 1930-1990 MHz(RX) LTE Band 2: 1850-1910 MHz(TX) ; 1930-1990 MHz(RX) LTE Band 4: 1710-1755 MHz(TX) ; 2110-2155 MHz(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 17: 704-716 MHz(TX) ; 734-746 MHz(RX) Wi-Fi: 2412 MHz-2462 MHz;Bluetooth3.0 : 2402 MHz-2480 MHz BLE:2402 MHz-2480 MHz
Conducted RF Power:	GSM 850 : 33.00 dBm; PCS 1900: 29.59dBm WCDMA 850: 22.77 dBm; WCDMA 1700: 22.88 dBm WCDMA 1900: 22.85 dBm; LTE Band 2: 22.72 dBm LTE Band 4: 23.08 dBm; LTE Band 5: 23.04 dBm LTE Band 7: 22.95 dBm; LTE Band 17: 23.06 dBm Wi-Fi: 9.45 dBm; Bluetooth3.0: 5.34 dBm
Dimensions (L*W*H):	155 mm (L) × 78 mm (W) × 8 mm (H)
Power Source:	3.8 VDC Rechargeable Battery
Normal Operation:	Head and Body-worn

REFERENCE, STANDARDS, AND GUILDELINES

FCC:

The Report and Order requires routine SAR evaluation prior to equipment authorization of portable transmitter devices, including portable telephones. For portable devices, the RF radiation exposure evaluation requirement was provided in part 2.1093. According to KDB447498 D01 "General RF Exposure Guidance", 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.

CE:

The order requires routine SAR evaluation prior to equipment authorization of portable transmitter devices, including portable telephones. For portable devices, the limitation of exposure of the general public to electromagnetic fields was recommended on Council Recommendation 1999/519/EC. According to the Standard IEC62209-1/2, 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 portable devices.

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 of individual who have no knowledge or control of their exposure.

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

FACILITIES

The test site used by Bay Area Compliance Laboratories Corp. (Shenzhen) to collect data is located at 6/F, the 3rd Phase of WanLi Industrial Building, Shi Hua Road, Fu Tian Free Trade Zone, Shenzhen, Guangdong, P.R. of China

DESCRIPTION OF TEST SYSTEM

These measurements were performed with ALSAS 10 Universal Integrated SAR Measurement system from APREL Laboratories.

ALSAS-10U System Description

ALSAS-10-U is fully compliant with the technical and scientific requirements of IEEE 1528, IEC 62209, CENELEC, ARIB, ACA, and the Federal Communications Commission. The system comprises of a six axes articulated robot which utilizes a dedicated controller.
ALSAS-10U uses the latest methodologies. And FDTD modeling to provide a platform which is repeatable with minimum uncertainty.

Applications

Predefined measurement procedures compliant with the guidelines of CENELEC, IEEE, IEC, FCC, etc are utilized during the assessment for the device. Automatic detection for all SAR maxima are embedded within the core architecture for the system, ensuring that peak locations used for centering the zoom scan are within a 1mm resolution and a 0.05mm repeatable position. System operation range currently available up-to 6 GHz in simulated tissue.

Area Scans

Area scans are defined prior to the measurement process being executed with a user defined variable spacing between each measurement point (integral) allowing low uncertainty measurements to be conducted. Scans defined for FCC applications utilize a 10mm2 step integral, with 1mm 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 ALSAS-10U 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/m3 is used to represent the head and body tissue density and not the phantom liquid density, in order to be consistent with the definition of the liquid dielectric properties, i.e. the side length of the 1 g cube is 10mm,with the side length of the 10 g cube 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 5x5x8 (8mmx8mmx5mm) providing a volume of 32mm in the X & Y axis, and 35mm in the Z axis.

ALSAS-10U Interpolation and Extrapolation Uncertainty

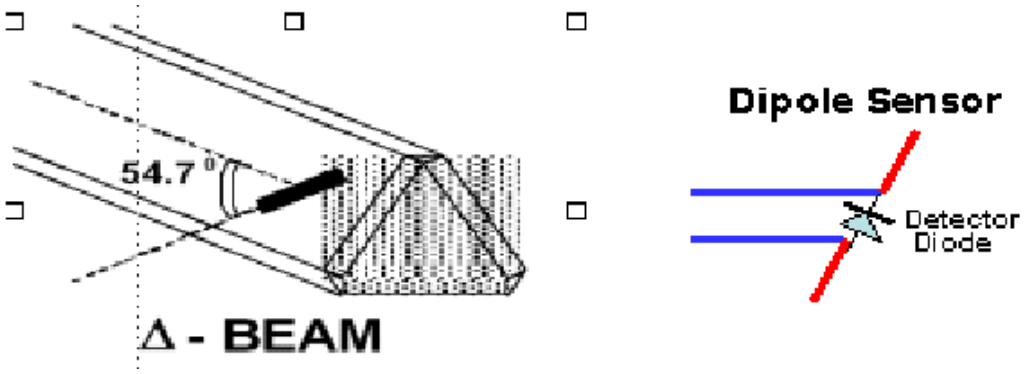
The overall uncertainty for the methodology and algorithms the used during the SAR calculation was evaluated using the data from IEEE 1528 based on the example f3 algorithm:

$$f_3(x,y,z) = A \frac{a^2}{\frac{a^2}{4} + x'^2 + y'^2} \cdot \left(e^{-\frac{2z}{a}} + \frac{a^2}{2(a+2z)^2} \right)$$

Isotropic E-Field Probe

The isotropic E-Field probe has been fully calibrated and assessed for isotropicity, and boundary effect within a controlled environment. Depending on the frequency for which the probe is calibrated the method utilized for calibration will change.

The E-Field probe utilizes a triangular sensor arrangement as detailed in the diagram below:



SAR is assessed with a calibrated probe which moves at a default height of 5mm from the center of the diode, which is mounted to the sensor, to the phantom surface (in the Z Axis). The 5mm offset height has been selected so as to minimize any resultant boundary effect due to the probe being in close proximity to the phantom surface.

The following algorithm is an example of the function used by the system for linearization of the output from the probe when measuring complex modulation schemes.

$$V_i = U_i + U_i^2 \cdot \frac{cf}{dcp_i}$$

Isotropic E-Field Probe Specification

Calibration Method	Frequency Dependent Below 1 GHz Calibration in air performed in a TEM Cell Above 1 GHz Calibration in air performed in waveguide
Sensitivity	0.70 μV/(V/m)^2 to 0.85 μV/(V/m)^2
Dynamic Range	0.0005 W/kg to 100 W/kg
Isotropic Response	Better than 0.1 dB
Diode Compression Point (DCP)	Calibration for Specific Frequency
Probe Tip Diameter	< 2.9 mm
Sensor Offset	1.56 (+/- 0.02 mm)
Probe Length	289 mm
Video Bandwidth	@ 500 Hz: 1 dB @ 1.02 kHz: 3 dB
Boundary Effect	Less than 2.1% for distance greater than 0.58 mm
Spatial Resolution	The spatial resolution uncertainty is less than 1.5% for 4.9mm diameter probe. The spatial resolution uncertainty is less than 1.0% for 2.5mm diameter probe

Boundary Detection Unit and Probe Mounting Device

ALSAS-10U incorporates a boundary detection unit with a sensitivity of 0.05mm for detecting all types of surfaces. The robust design allows for detection during probe tilt (probe normalize) exercises, and utilizes a second stage emergency stop. The signal electronics are fed directly into the robot controller for high accuracy surface detection in lateral and axial detection modes (X, Y, & Z).

The probe is mounted directly onto the Boundary Detection unit for accurate tooling and displacement calculations controlled by the robot kinematics. The probe is connect to an isolated probe interconnect where the output stage of the probe is fed directly into the amplifier stage of the Daq-Paq.

Daq-Paq (Analog to Digital Electronics)

ALSAS-10U incorporates a fully calibrated Daq-Paq (analog to digital conversion system) which has a 4 channel input stage, sent via a 2 stage auto-set amplifier module. The input signal is amplified accordingly so as to offer a dynamic range from 5μV to 800mV. Integration of the fields measured is carried out at board level utilizing a Co-Processor which then sends the measured fields down into the main computational module in digitized form via an RS232 communications port. Probe linearity and duty cycle compensation is carried out within the main Daq-Paq module.

ADC	12 Bit
Amplifier Range	20 mV to 200 mV and 150 mV to 800 mV
Field Integration	Local Co-Processor utilizing proprietary integration algorithms
Number of Input Channels	4 in total 3 dedicated and 1 spare
Communication	Packet data via RS232

Axis Articulated Robot

ALSAS-10U utilizes a six axis articulated robot, which is controlled using a Pentium based real-time movement controller. The movement kinematics engine utilizes proprietary (Thermo CRS) interpolation and extrapolation algorithms, which allow full freedom of movement for each of the six joints within the working envelope. Utilization of joint 6 allows for full probe rotation with a tolerance better than 0.05mm around the central axis.

Robot/Controller Manufacturer	Thermo CRS
Number of Axis	Six independently controlled axis
Positioning Repeatability	0.05 mm
Controller Type	Single phase Pentium based C500C
Robot Reach	710 mm
Communication	RS232 and LAN compatible

ALSAS Universal Workstation

ALSAS Universal workstation allows for repeatability and fast adaptability. It allows users to do calibration, testing and measurements using different types of phantoms with one set up, which significantly speeds up the measurement process.

Universal Device Positioner

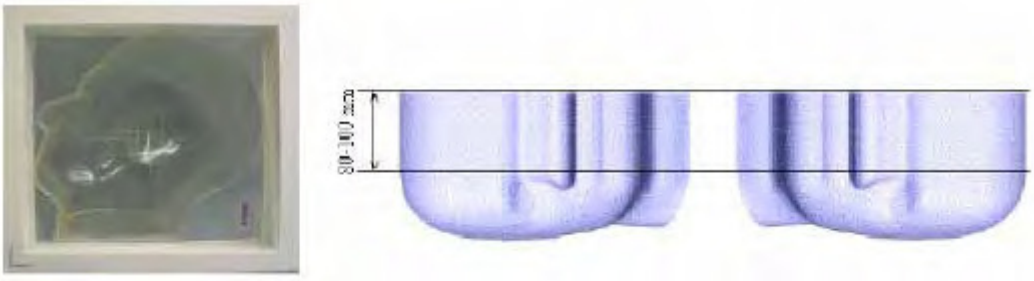
The universal device positioner allows complete freedom of movement of the EUT. Developed to hold a EUT in a free-space scenario any additional loading attributable to the material used in the construction of the positioner has been eliminated. Repeatability has been enhanced through the linear scales which form the design used to indicate positioning for any given test scenario in all major axes. A 15° tilt indicator is included for the of aid cheek to tilt movements for head SAR analysis. Overall uncertainty for measurements have been reduced due to the design of the Universal device positioner, which allows positioning of a device in as near to a free-space scenario as possible, and by providing the means for complete repeatability.

Phantom Types

The ALSAS-10U allows the integration of multiple phantom types. SAM Phantoms fully compliant with IEEE 1528, Universal Phantom, and Universal Flat.

APREL SAM Phantoms

The SAM phantoms developed using the IEEE SAM CAD file. They are fully compliant with the requirements for both IEEE 1528 and FCC Supplement C. Both the left and right SAM phantoms are interchangeable, transparent and include the IEEE 1528 grid with visible NF and MB lines.



APREL Laboratories Universal Phantom

The Universal Phantom is used on the ALSAS-10U as a system validation phantom. The Universal Phantom has been fully validated both experimentally from 800MHz to 6GHz and numerically using XFDTD numerical software.

The shell thickness is 2mm overall, with a 4mm spacer located at the NF/MB intersection providing an overall thickness of 6mm in line with the requirements of IEEE-1528.

The design allows for fast and accurate measurements, of handsets, by allowing the conservative SAR to be evaluated at on frequency for both left and right head experiments in one measurement.

Tissue Dielectric Parameters for Head and Body Phantoms

The head tissue dielectric parameters recommended by the IEEE SCC-34/SC-2 in P1528 have been incorporated in the following table. These head parameters are derived from planar layer models simulating the highest expected SAR for the dielectric properties and tissue thickness variations in a human head. Other head and body tissue parameters that have not been specified in P1528 are derived from the tissue dielectric parameters computed from the 4-Cole-Cole equations described in Reference [12] and extrapolated according to the head parameters specified in P1528.

Ingredients (% by weight)	Frequency (MHz)									
	450		835		915		1900		2450	
Tissue Type	Head	Body	Head	Body	Head	Body	Head	Body	Head	Body
Water	38.56	51.16	41.45	52.4	41.05	56.0	54.9	40.4	62.7	73.2
Salt (Nacl)	3.95	1.49	1.45	1.4	1.35	0.76	0.18	0.5	0.5	0.04
Sugar	56.32	46.78	56.0	45.0	56.5	41.76	0.0	58.0	0.0	0.0
HEC	0.98	0.52	1.0	1.0	1.0	1.21	0.0	1.0	0.0	0.0
Bactericide	0.19	0.05	0.1	0.1	0.1	0.27	0.0	0.1	0.0	0.0
Triton x-100	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	36.8	0.0
DGBE	0.0	0.0	0.0	0.0	0.0	0.0	44.92	0.0	0.0	26.7
Dielectric Constant	43.42	58.0	42.54	56.1	42.0	56.8	39.9	54.0	39.8	52.5
Conductivity (s/m)	0.85	0.83	0.91	0.95	1.0	1.07	1.42	1.45	1.88	1.78

Recommended Tissue Dielectric Parameters for Head and Body

Frequency (MHz)	Head Tissue		Body Tissue	
	εr	σ (S/m)	εr	σ (S/m)
150	52.3	0.76	61.9	0.80
300	45.3	0.87	58.2	0.92
450	43.5	0.87	56.7	0.94
835	41.5	0.90	55.2	0.97
900	41.5	0.97	55.0	1.05
915	41.5	0.98	55.0	1.06
1450	40.5	1.20	54.0	1.30
1610	40.3	1.29	53.8	1.40
1800-2000	40.0	1.40	53.3	1.52
2450	39.2	1.80	52.7	1.95
3000	38.5	2.40	52.0	2.73
5800	35.3	5.27	48.2	6.00

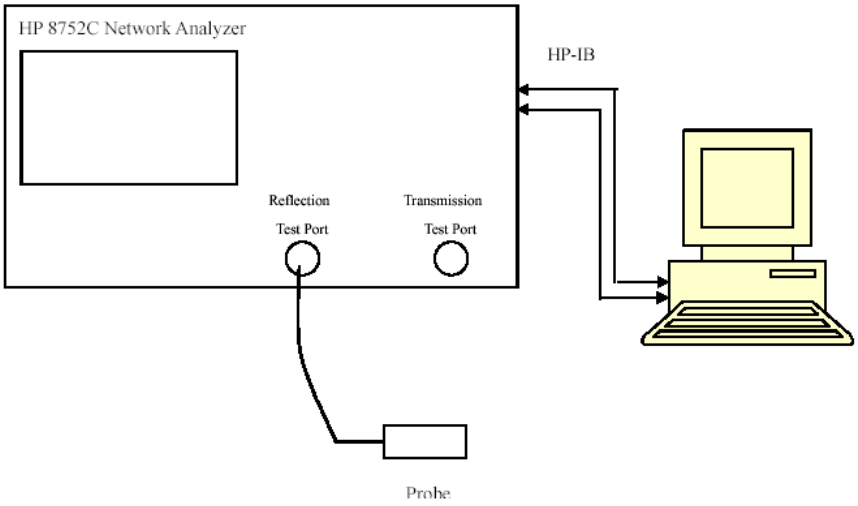
EQUIPMENT LIST AND CALIBRATION

Equipments List & Calibration Information

Equipment	Model	Calibration Date	Calibration Due Date	S/N
CRS F3 robot	ALS-F3	N/A	N/A	RAF0805352
CRS F3 Software	ALS-F3-SW	N/A	N/A	N/A
CRS C500C controller	ALS-C500	N/A	N/A	RCF0805379
Probe mounting device & Boundary Detection Sensor System	ALS-PMDPS-3	N/A	N/A	120-00270
Universal Work Station	ALS-UWS	N/A	N/A	100-00157
Data Acquisition Package	ALS-DAQ-PAQ-3	2015-12-14	2016-12-14	110-00212
Miniature E-Field Probe	ALS-E-020	2015-12-14	2016-12-14	500-00283
Dipole, 750MHz	ALS-D-750-S-2	2013-10-08	2016-10-08	177-00505
Dipole, 835MHz	ALS-D-835-S-2	2014-10-08	2017-10-08	180-00558
Dipole, 1750MHz	ALS-D-1750-S-2	2013-10-08	2016-10-08	198-00304
Dipole, 1900MHz	ALS-D-1900-S-2	2014-10-09	2017-10-09	210-00710
Dipole Spacer	ALS-DS-U	N/A	N/A	250-00907
Device holder/Positioner	ALS-H-E-SET-2	N/A	N/A	170-00510
Left ear SAM phantom	ALS-P-SAM-L	N/A	N/A	130-00311
Right ear SAM phantom	ALS-P-SAM-R	N/A	N/A	140-00359
UniPhantom	ALS-P-UP-1	N/A	N/A	150-00413
Simulated Tissue 750 MHz Head	ALS-TS-750-H	Each Time	N/A	270-01001
Simulated Tissue 750 MHz Body	ALS-TS-750-B	Each Time	N/A	270-02100
Simulated Tissue 835 MHz Head	ALS-TS-835-H	Each Time	N/A	270-01002
Simulated Tissue 835 MHz Body	ALS-TS-835-B	Each Time	N/A	270-02101
Simulated Tissue 1750 MHz Head	ALS-TS-1750-H	Each Time	N/A	295-01103
Simulated Tissue 1750 MHz Body	ALS-TS-1750-B	Each Time	N/A	295-02102
Simulated Tissue 1900 MHz Head	ALS-TS-1900-H	Each Time	N/A	295-01103
Simulated Tissue 1900 MHz Body	ALS-TS-1900-B	Each Time	N/A	295-02102
Directional couple	DC6180A	N/A	N/A	0325849
Power Amplifier	5S1G4	N/A	N/A	71377
Attenuator	3dB	N/A	N/A	5402
Dielectric probe kit	HP85070B	2016-06-13	2017-06-13	US33020324
Network analyzer	8752C	2016-06-03	2017-06-03	3410A02356
Synthesized Sweeper	HP 8341B	2016-06-03	2017-06-03	2624A00116
WIDEBAND RADIO COMMUNICATION TESTER	CMW500	2016-04-19	2017-04-19	114772
UNIVERSAL RADIO COMMUNICATION TESTER	CMU200	2015-11-23	2016-11-23	106891
EMI Test Receiver	ESCI	2016-06-13	2017-06-13	101746

SAR MEASUREMENT SYSTEM VERIFICATION

Liquid Verification



Liquid Verification Setup Block Diagram

Liquid Verification Results

Frequency	Liquid Type	Liquid Parameter		Target Value		Delta (%)		Tolerance (%)
		ε_r	σ (S/m)	ε_r	σ (S/m)	$\Delta\varepsilon_r$	$\Delta\sigma$ (S/m)	
824.2	Head	40.45	0.92	41.5	0.9	-2.54	2.043	±5
	Body	54.19	0.98	55.2	0.97	-1.826	1.284	±5
826.4	Head	40.08	0.92	41.5	0.9	-3.420	2.175	±5
	Body	54.87	0.97	55.2	0.97	-0.590	0.269	±5
829.0	Head	40.76	0.91	41.5	0.9	-1.776	1.220	±5
	Body	54.87	0.97	55.2	0.97	-0.599	-0.086	±5
836.5	Head	41.16	0.89	41.5	0.9	-0.818	-1.042	±5
	Body	55.17	0.99	55.2	0.97	-0.061	2.064	±5
836.6	Head	40.72	0.93	41.5	0.9	-1.868	2.832	±5
	Body	54.70	1.00	55.2	0.97	-0.901	3.588	±5
844.0	Head	40.77	0.88	41.5	0.9	-1.759	-1.726	±5
	Body	55.14	0.99	55.2	0.97	-0.117	2.300	±5
846.6	Head	41.07	0.89	41.5	0.9	-1.025	-0.568	±5
	Body	54.98	0.99	55.2	0.97	-0.404	2.027	±5
848.8	Head	40.29	0.92	41.5	0.9	-2.922	2.468	±5
	Body	55.38	0.98	55.2	0.97	0.333	0.689	±5

**Liquid Verification was performed on 2016-10-10.*

Frequency	Liquid Type	Liquid Parameter		Target Value		Delta (%)		Tolerance (%)
		ε_r	σ (S/m)	ε_r	ε_r	σ (S/m)	ε_r	
829.0	Body	54.63	0.98	55.2	0.97	-1.028	0.855	±5
836.5	Body	54.59	0.97	55.2	0.97	-1.107	-0.513	±5
844.0	Body	54.57	0.97	55.2	0.97	-1.143	0.175	±5
1850.2	Head	39.17	1.43	40	1.4	-2.085	1.981	±5
	Body	53.01	1.54	53.3	1.52	-0.55	1.156	±5
1852.4	Head	39.35	1.42	40	1.4	-1.615	1.111	±5
	Body	52.26	1.52	53.3	1.52	-1.949	-0.164	±5
1880.0	Head	39.12	1.42	40	1.4	-2.189	1.184	±5
	Body	52.72	1.53	53.3	1.52	-1.095	0.978	±5
1900.0	Head	39.03	1.45	40	1.4	-2.42	3.635	±5
	Body	52.36	1.52	53.3	1.52	-1.764	-0.192	±5
1907.6	Head	39.42	1.42	40	1.4	-1.441	1.744	±5
	Body	52.58	1.54	53.3	1.52	-1.357	1.277	±5
1909.8	Head	39.38	1.41	40	1.4	-1.555	0.584	±5
	Body	52.96	1.53	53.3	1.52	-0.634	0.667	±5

**Liquid Verification was performed on 2016-10-11.*

Frequency	Liquid Type	Liquid Parameter		Target Value		Delta (%)		Tolerance (%)
		ε_r	σ (S/m)	ε_r	σ (S/m)	$\Delta\varepsilon_r$	$\Delta\sigma$ (S/m)	
709.0	Head	42.17	0.90	41.95	0.89	0.514	0.968	±5
	Body	54.58	0.94	55.50	0.96	-1.664	-2.037	±5
710.0	Head	42.75	0.88	41.95	0.89	1.906	-1.201	±5
	Body	55.32	0.98	55.5	0.96	-0.331	1.809	±5
711.0	Head	42.04	0.94	41.95	0.89	0.209	5.236	±5
	Body	55.08	0.96	55.50	0.96	-0.753	-0.401	±5
1860.0	Head	39.60	1.40	40.00	1.40	-0.999	0.344	±5
	Body	52.70	1.55	53.3	1.52	-1.12	1.93	±5
1880.0	Head	39.46	1.43	40.00	1.40	-1.343	2.448	±5
	Body	52.92	1.53	53.3	1.52	-0.711	0.687	±5
1900.0	Head	38.49	1.42	40.00	1.40	-3.766	1.697	±5
	Body	52.87	1.54	53.3	1.52	-0.812	1.375	±5

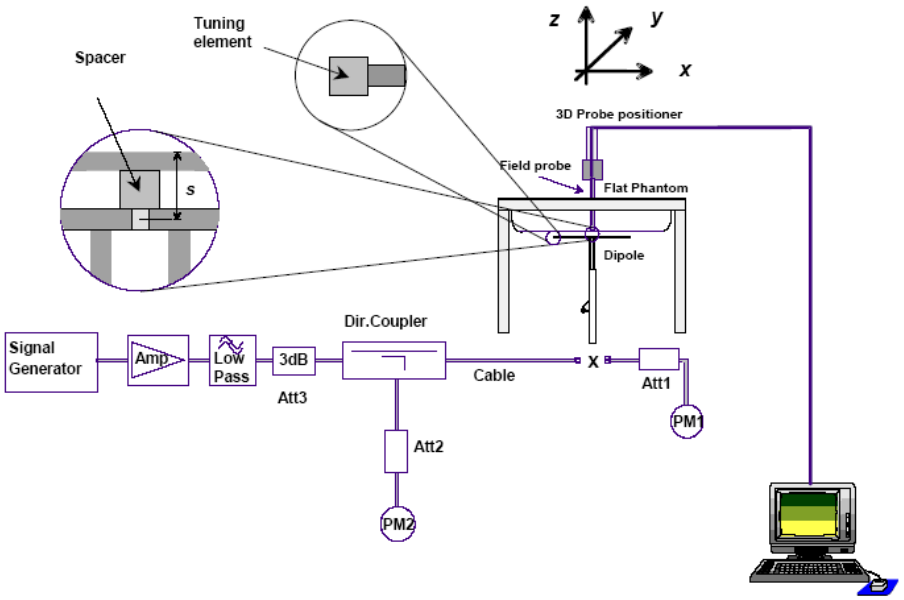
Frequency	Liquid Type	Liquid Parameter		Target Value		Delta (%)		Tolerance (%)
		ε_r	σ (S/m)	ε_r	ε_r	σ (S/m)	ε_r	
1712.4	Head	39.41	1.40	40.08	1.37	-1.672	2.190	±5
	Body	53.45	1.54	53.43	1.49	0.037	3.356	±5
1720.0	Head	39.45	1.37	40.08	1.37	-1.572	0.00	±5
	Body	52.69	1.51	53.43	1.49	-1.385	1.342	±5
1732.5	Head	39.99	1.39	40.08	1.37	-0.225	1.460	±5
	Body	53.03	1.49	53.43	1.49	-0.749	0.00	±5
1732.6	Head	38.36	1.38	40.08	1.37	-4.291	0.730	±5
	Body	52.61	1.50	53.43	1.49	-1.535	0.671	±5
1745.0	Head	39.00	1.42	40.08	1.37	-2.695	3.650	±5
	Body	52.58	1.53	53.43	1.49	-1.591	2.685	±5
1752.6	Head	38.32	1.42	40.08	1.37	-4.391	3.650	±5
	Body	51.84	1.52	53.43	1.49	-2.976	2.013	±5

**Liquid Verification was performed on 2016-10-12 and 2016-10-13.*

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.

System Verification Setup Block Diagram



System Accuracy Check Results:

Date	Frequency Band	Liquid Type	Measured SAR (W/Kg)		Target Value (W/Kg)	Delta (%)	Tolerance (%)
2016-10-10	835	Head	1g	10.148	9.773	3.837	±10
		Body	1g	9.956	9.736	2.260	±10
2016-10-11	835	Body	1g	10.088	9.736	3.615	±10
	1900	Head	1g	40.660	39.481	2.986	±10
		Body	1g	39.872	39.715	0.395	±10
2016-10-12	1900	Head	1g	41.500	39.481	5.114	±10
		Body	1g	41.304	39.715	4.001	±10
	750	Head	1g	8.700	8.500	2.353	±10
		Body	1g	8.812	8.540	3.185	±10
2016-10-13	1750	Head	1g	37.708	37.020	1.858	±10
		Body	1g	37.448	36.650	2.177	±10

*All SAR values are normalized to 1 Watt forward power.

SAR SYSTEM VALIDATION DATA

Test Laboratory: Bay Area Compliance Lab Corp. (Shenzhen)

System Performance Check 750 MHz Head Liquid

Dipole 750 MHz; Type: ALS-D-750-S-2; S/N: 177-00505

Product Data
Device Name : Dipole 750 MHz
Serial No. : 177-00505
Type : Dipole
Model : ALS-D-750-S-2
Frequency Band : 750
Max. Transmit Pwr : 0.25 W
Drift Time : 3 min(s)
Power Drift-Start : 1.958 W/kg
Power Drift-Finish : 1.903 W/kg
Power Drift (%) : -2.809

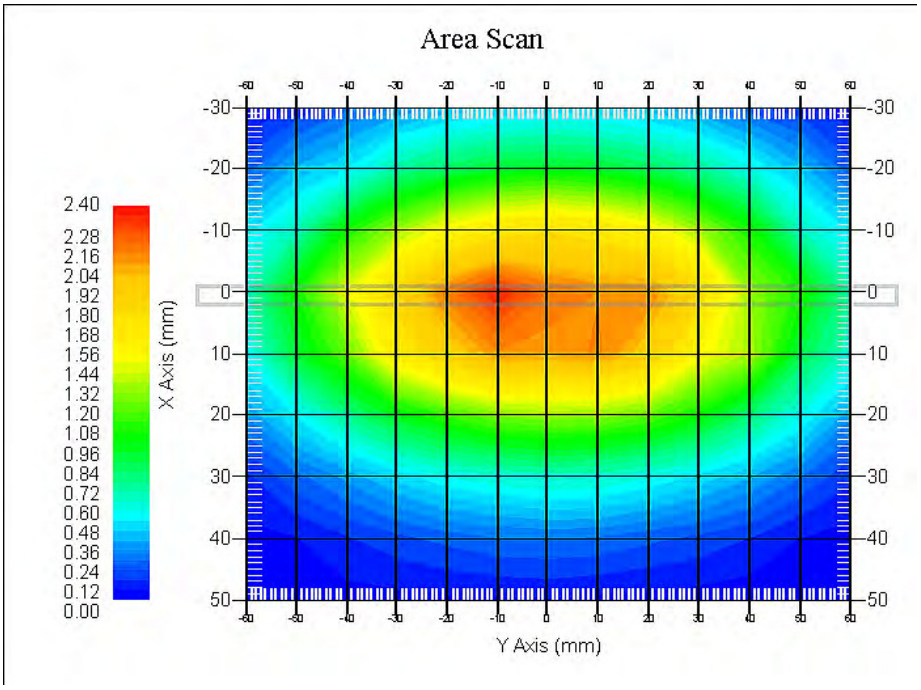
Phantom Data
Name : APREL-Uni
Type : Uni-Phantom
Serial No. : System Default
Location : Center
Description : Default
Phantom Data

Tissue Data
Type : Head
Serial No. : 270-01001
Frequency : 750.0 MHz
Last Calib. Date : 12-Oct-2016
Temperature : 20.00 °C
Ambient Temp. : 21.00 °C
Humidity : 56.00 RH%
Epsilon : 42.35 F/m
Sigma : 0.90 S/m
Density : 1000.00 kg/cu. m

Probe Data
Name : E-Field
Model : E-020
Type : E-Field Triangle
Serial No. : 500-00283
Last Calib. Date : 14-Dec-2015
Frequency Band : 750
Duty Cycle Factor : 1
Conversion Factor : 6.0
Probe Sensitivity : 1.20 1.20 1.20 µV/(V/m)2
Compression Point : 95.00 mV
Offset : 1.56 mm

Measurement Data
Crest Factor : 1
Scan Type : Complete
Tissue Temp. : 21.00 °C
Ambient Temp. : 21.00 °C
Area Scan : 9x13x1 : Measurement x=10mm, y=10mm, z=4mm
Zoom Scan : 7x7x7 : Measurement x=5mm, y=5mm, z=5mm

1 gram SAR value : 2.175 W/kg
10 gram SAR value : 1.367 W/kg
Area Scan Peak SAR : 2.397 W/kg
Zoom Scan Peak SAR : 3.524 W/kg



750 MHz System Validation with Head Tissue

Test Laboratory: Bay Area Compliance Lab Corp. (Shenzhen)

System Performance Check 750 MHz Body Liquid

Dipole 750 MHz; Type: ALS-D-750-S-2; S/N: 177-00505

Product Data
Device Name : Dipole 750 MHz
Serial No. : 177-00505
Type : Dipole
Model : ALS-D-750-S-2
Frequency Band : 750
Max. Transmit Pwr : 0.25 W
Drift Time : 3 min(s)
Power Drift-Start : 2.035 W/kg
Power Drift-Finish : 2.049 W/kg
Power Drift (%) : 0.687

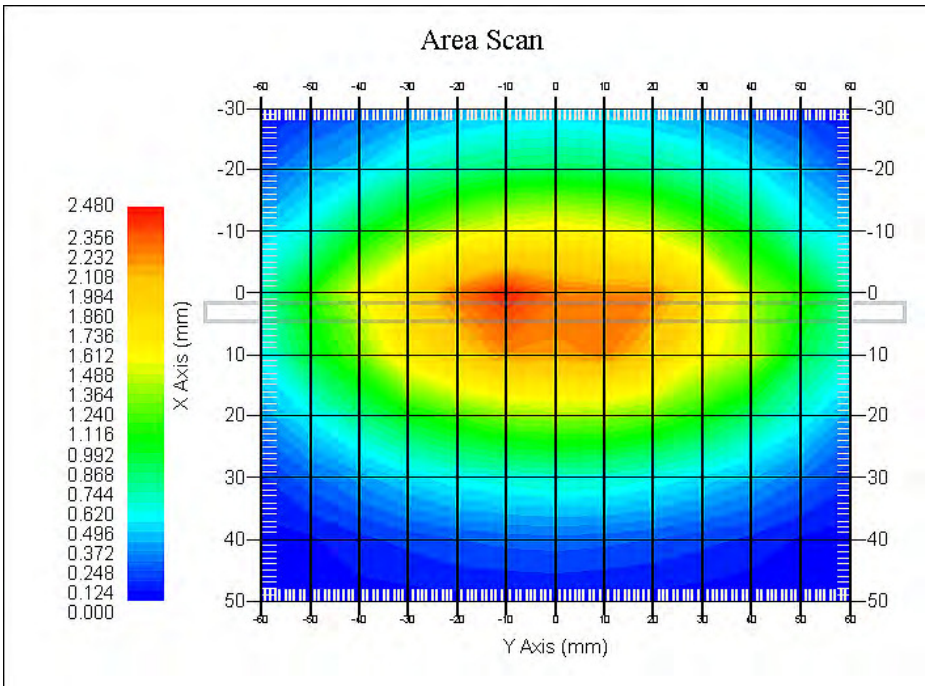
Phantom Data
Name : APREL-Uni
Type : Uni-Phantom
Serial No. : System Default
Location : Center
Description : Default
Phantom Data

Tissue Data
Type : Body
Serial No. : 270-02100
Frequency : 750.0 MHz
Last Calib. Date : 12-Oct-2016
Temperature : 20.00 °C
Ambient Temp. : 21.00 °C
Humidity : 56.00 RH%
Epsilon : 55.17 F/m
Sigma : 0.95 S/m
Density : 1000.00 kg/cu. m

Probe Data
Name : E-Field
Model : E-020
Type : E-Field Triangle
Serial No. : 500-00283
Last Calib. Date : 14-Dec-2015
Frequency Band : 750
Duty Cycle Factor : 1
Conversion Factor : 5.9
Probe Sensitivity : 1.20 1.20 1.20 µV/(V/m)2
Compression Point : 95.00 mV
Offset : 1.56 mm

Measurement Data
Crest Factor : 1
Scan Type : Complete
Tissue Temp. : 21.00 °C
Ambient Temp. : 21.00 °C
Area Scan : 9x13x1 : Measurement x=10mm, y=10mm, z=4mm
Zoom Scan : 7x7x7 : Measurement x=5mm, y=5mm, z=5mm

1 gram SAR value : 2.203 W/kg
10 gram SAR value : 1.274 W/kg
Area Scan Peak SAR : 2.477 W/kg
Zoom Scan Peak SAR : 3.582 W/kg



750 MHz System Validation with Body Tissue

Test Laboratory: Bay Area Compliance Lab Corp. (Shenzhen)

System Performance Check 835 MHz Head Liquid

Dipole 835 MHz; Type: ALS-D-835-S-2; S/N: 180-00558

Product Data
Device Name : Dipole 835 MHz
Serial No. : 180-00558
Type : Dipole
Model : ALS-D-835-S-2
Frequency Band : 835
Max. Transmit Pwr : 0.25 W
Drift Time : 3 min(s)
Power Drift-Start : 2.352W/kg
Power Drift-Finish : 2.302 W/kg
Power Drift (%) : -2.126

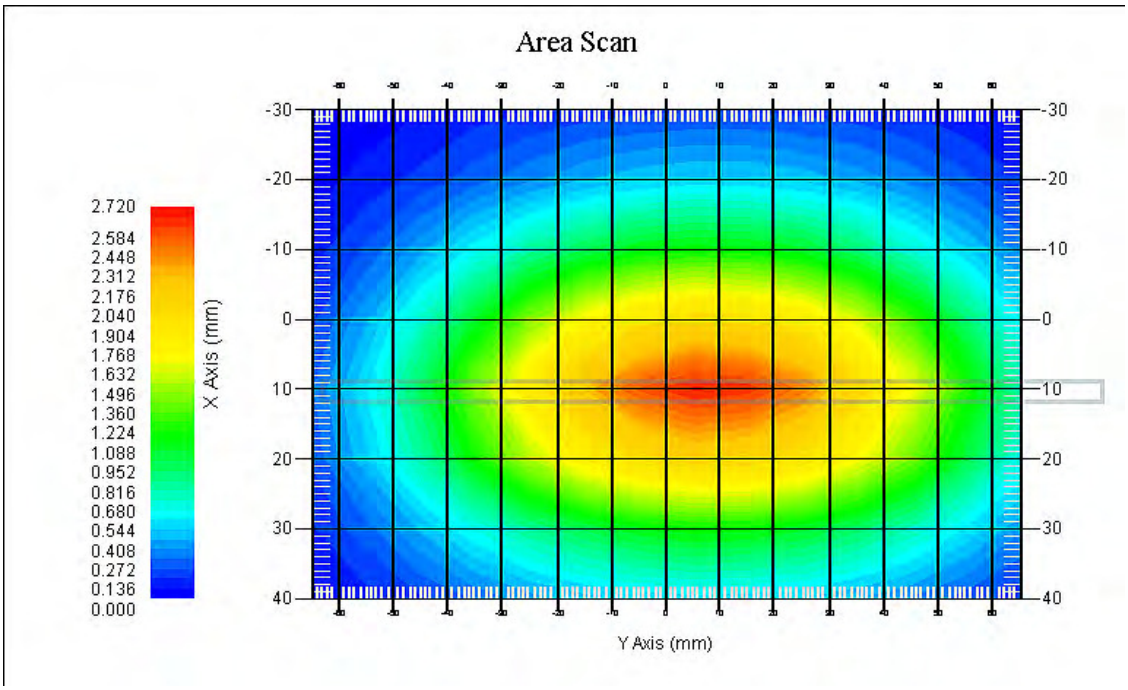
Phantom Data
Name : APREL-Uni
Type : Uni-Phantom
Serial No. : System Default
Location : Center
Description : Default
Phantom Data

Tissue Data
Type : Head
Serial No. : 270-01002
Frequency : 835.0 MHz
Last Calib. Date : 10-Oct-2016
Temperature : 20.00 °C
Ambient Temp. : 21.00 °C
Humidity : 56.00 RH%
Epsilon : 41.12 F/m
Sigma : 0.91 S/m
Density : 1000.00 kg/cu. m

Probe Data
Name : E-Field
Model : E-020
Type : E-Field Triangle
Serial No. : 500-00283
Last Calib. Date : 14-Dec-2015
Frequency Band : 835
Duty Cycle Factor : 1
Conversion Factor : 5.9
Probe Sensitivity : 1.20 1.20 1.20 µV/(V/m)2
Compression Point : 95.00 mV
Offset : 1.56 mm

Measurement Data
Crest Factor : 1
Scan Type : Complete
Tissue Temp. : 21.00 °C
Ambient Temp. : 21.00 °C
Area Scan : 9x13x1 : Measurement x=10mm, y=10mm, z=4mm
Zoom Scan : 7x7x7 : Measurement x=5mm, y=5mm, z=5mm

1 gram SAR value : 2.537 W/kg
10 gram SAR value : 1.506 W/kg
Area Scan Peak SAR : 2.719 W/kg
Zoom Scan Peak SAR : 3.785 W/kg



835 MHz System Validation with Head Tissue

Test Laboratory: Bay Area Compliance Lab Corp. (Shenzhen)

System Performance Check 835 MHz Body Liquid

Dipole 835 MHz; Type: ALS-D-835-S-2; S/N: 180-00558

Product Data
Device Name : Dipole 835 MHz
Serial No. : 180-00558
Type : Dipole
Model : ALS-D-835-S-2
Frequency Band : 835
Max. Transmit Pwr : 0.25 W
Drift Time : 3 min(s)
Power Drift-Start : 2.474 W/kg
Power Drift-Finish : 2.432 W/kg
Power Drift (%) : -1.702

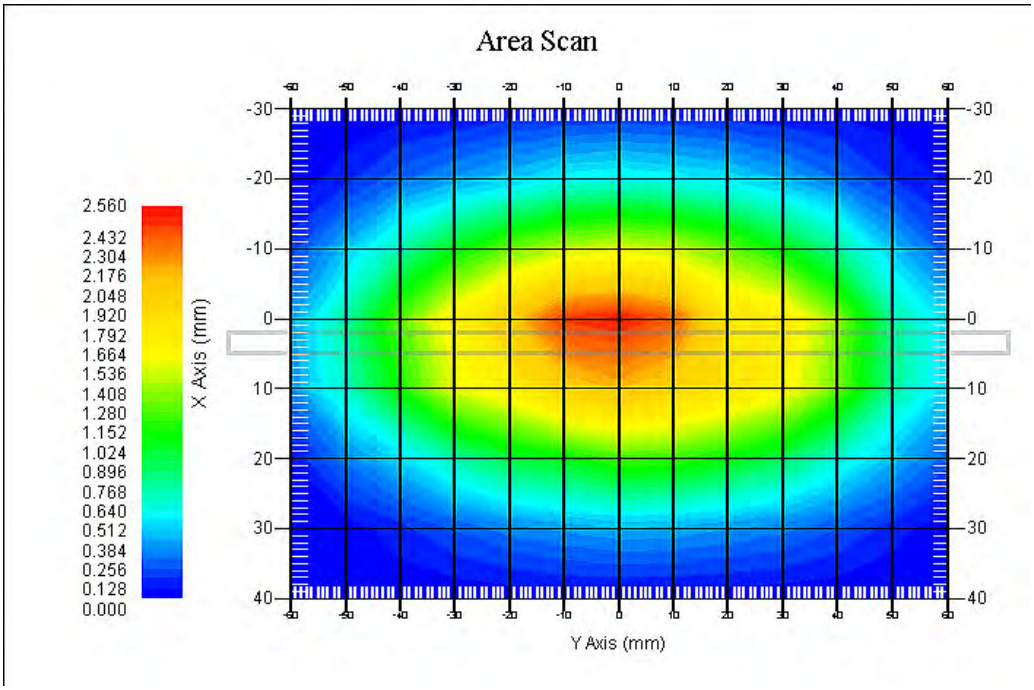
Phantom Data
Name : APREL-Uni
Type : Uni-Phantom
Serial No. : System Default
Location : Center
Description : Default
Phantom Data

Tissue Data
Type : Body
Serial No. : 270-02101
Frequency : 835.0 MHz
Last Calib. Date : 10-Oct-2016
Temperature : 20.00 °C
Ambient Temp. : 21.00 °C
Humidity : 56.00 RH%
Epsilon : 54.86 F/m
Sigma : 0.99 S/m
Density : 1000.00 kg/cu. m

Probe Data
Name : E-Field
Model : E-020
Type : E-Field Triangle
Serial No. : 500-00283
Last Calib. Date : 14-Dec-2015
Frequency Band : 835
Duty Cycle Factor : 1
Conversion Factor : 5.9
Probe Sensitivity : 1.20 1.20 1.20 µV/(V/m)2
Compression Point : 95.00 mV
Offset : 1.56 mm

Measurement Data
Crest Factor : 1
Scan Type : Complete
Tissue Temp. : 21.00 °C
Ambient Temp. : 21.00 °C
Area Scan : 9x13x1 : Measurement x=10mm, y=10mm, z=4mm
Zoom Scan : 7x7x7 : Measurement x=5mm, y=5mm, z=5mm

1 gram SAR value : 2.489 W/kg
10 gram SAR value : 1.493 W/kg
Area Scan Peak SAR : 2.559 W/kg
Zoom Scan Peak SAR : 3.487 W/kg



835 MHz System Validation with Body Tissue

Test Laboratory: Bay Area Compliance Lab Corp. (Shenzhen)

System Performance Check 835 MHz Body Liquid

Dipole 835 MHz; Type: ALS-D-835-S-2; S/N: 180-00558

Product Data
Device Name : Dipole 835 MHz
Serial No. : 180-00558
Type : Dipole
Model : ALS-D-835-S-2
Frequency Band : 835
Max. Transmit Pwr : 0.25 W
Drift Time : 3 min(s)
Power Drift-Start : 2.336 W/kg
Power Drift-Finish : 2.359 W/kg
Power Drift (%) : 0.985

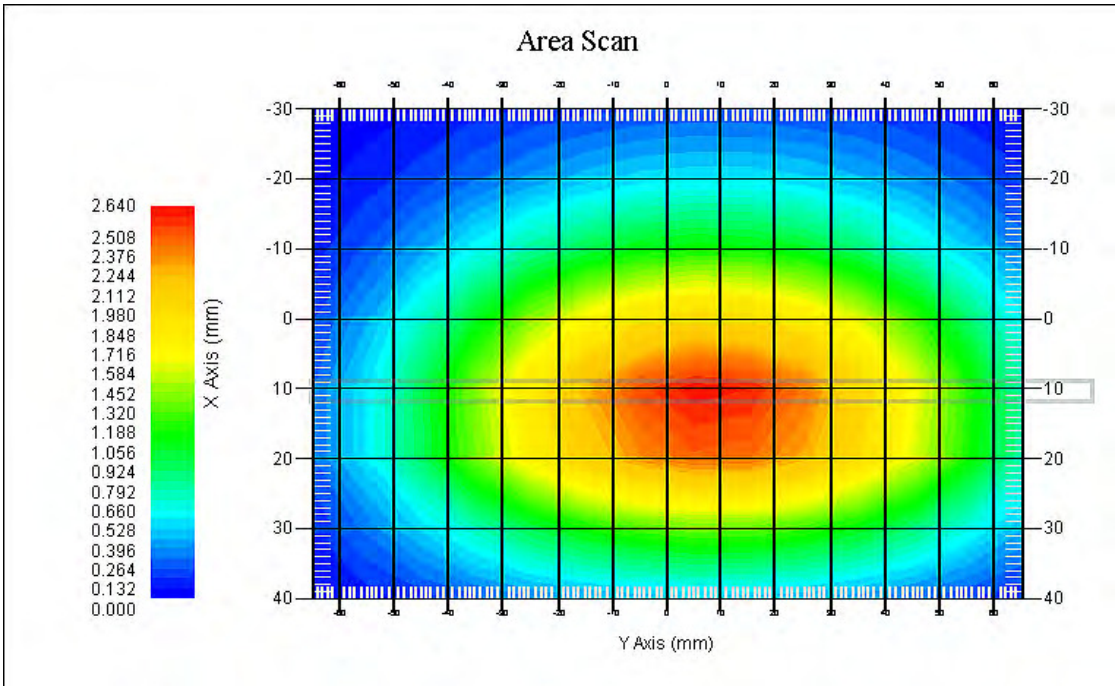
Phantom Data
Name : APREL-Uni
Type : Uni-Phantom
Serial No. : System Default
Location : Center
Description : Default
Phantom Data

Tissue Data
Type : Body
Serial No. : 270-02101
Frequency : 835.0 MHz
Last Calib. Date : 11-Oct-2016
Temperature : 20.00 °C
Ambient Temp. : 21.00 °C
Humidity : 56.00 RH%
Epsilon : 54.61 F/m
Sigma : 0.98 S/m
Density : 1000.00 kg/cu. m

Probe Data
Name : E-Field
Model : E-020
Type : E-Field Triangle
Serial No. : 500-00283
Last Calib. Date : 14-Dec-2015
Frequency Band : 835
Duty Cycle Factor : 1
Conversion Factor : 5.9
Probe Sensitivity : 1.20 1.20 1.20 µV/(V/m)2
Compression Point : 95.00 mV
Offset : 1.56 mm

Measurement Data
Crest Factor : 1
Scan Type : Complete
Tissue Temp. : 21.00 °C
Ambient Temp. : 21.00 °C
Area Scan : 9x13x1 : Measurement x=10mm, y=10mm, z=4mm
Zoom Scan : 7x7x7 : Measurement x=5mm, y=5mm, z=5mm

1 gram SAR value : 2.522 W/kg
10 gram SAR value : 1.509 W/kg
Area Scan Peak SAR : 2.637 W/kg
Zoom Scan Peak SAR : 3.593 W/kg



835 MHz System Validation with Body Tissue

Test Laboratory: Bay Area Compliance Lab Corp. (Shenzhen)

System Performance Check 1750 MHz Head Liquid

Dipole 1750 MHz; Type: ALS-D-1750-S-2; S/N: 198-00304

Product Data
Device Name : Dipole 1750MHz
Serial No. : 198-00304
Type : Dipole
Model : ALS-D-1750-S-2
Frequency Band : 1700
Max. Transmit Pwr : 0.25 W
Drift Time : 3 min(s)
Power Drift-Start : 8.024 W/kg
Power Drift-Finish : 8.129 W/kg
Power Drift (%) : 1.556

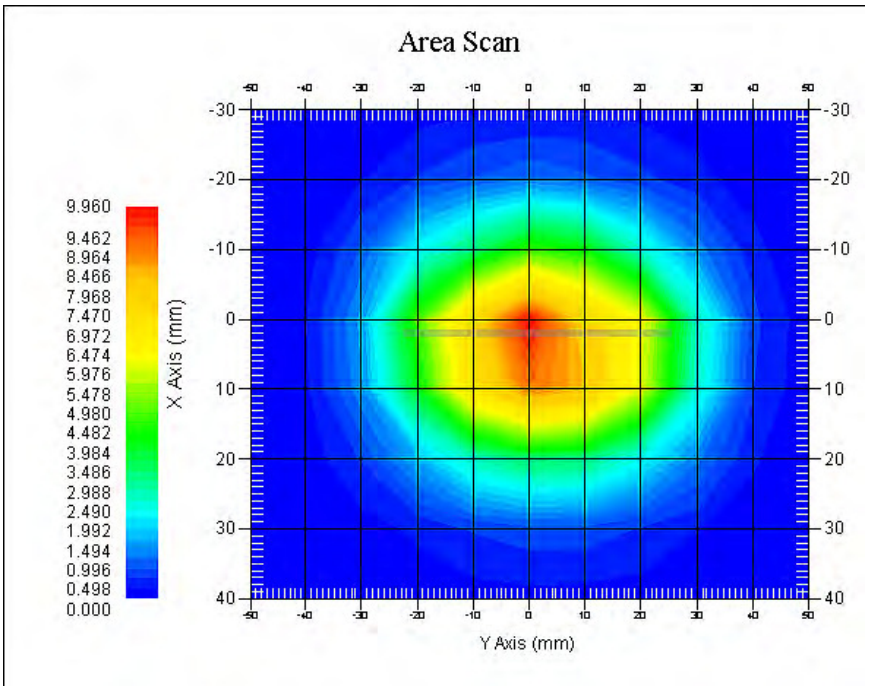
Phantom Data
Name : APREL-Uni
Type : Uni-Phantom
Serial No. : System Default
Location : Center
Description : Default

Tissue Data
Type : Head
Serial No. : 295-01101
Frequency : 1750.00 MHz
Last Calib. Date : 13-Oct-2016
Temperature : 20.00 °C
Ambient Temp. : 21.00 °C
Humidity : 56.00 RH%
Epsilon : 38.74 F/m
Sigma : 1.42 S/m
Density : 1000.00 kg/cu. M

Probe Data
Name : E-Field
Model : E-020
Type : E-Field Triangle
Serial No. : 500-00283
Last Calib. Date : 14-Dec-2015
Frequency Band : 1750
Duty Cycle Factor : 1
Conversion Factor : 5.4
Probe Sensitivity : 1.20 1.20 1.20 µV/(V/m)2
Compression Point : 95.00 mV
Offset : 1.56 mm

Measurement Data
Crest Factor : 1
Scan Type : Complete
Tissue Temp. : 20.00 °C
Ambient Temp. : 20.00 °C
Area Scan : 8x11x1 : Measurement x=10mm, y=10mm, z=4mm
Zoom Scan : 7x7x7 : Measurement x=5mm, y=5mm, z=5mm

1 gram SAR value : 9.427 W/kg
10 gram SAR value : 4.528 W/kg
Area Scan Peak SAR : 9.955 W/kg
Zoom Scan Peak SAR : 14.366 W/kg



1750 MHz System Validation with Head Tissue

Test Laboratory: Bay Area Compliance Lab Corp. (Shenzhen)

System Performance Check 1750 MHz Body Liquid

Dipole 1750 MHz; Type: ALS-D-1750-S-2; S/N: 198-00304

Product Data
Device Name : Dipole 1750MHz
Serial No. : 198-00304
Type : Dipole
Model : ALS-D-1750-S-2
Frequency Band : 1700
Max. Transmit Pwr : 0.25W
Drift Time : 3 min(s)
Power Drift-Start : 8.965 W/kg
Power Drift-Finish : 8.902 W/kg
Power Drift (%) : -0.703

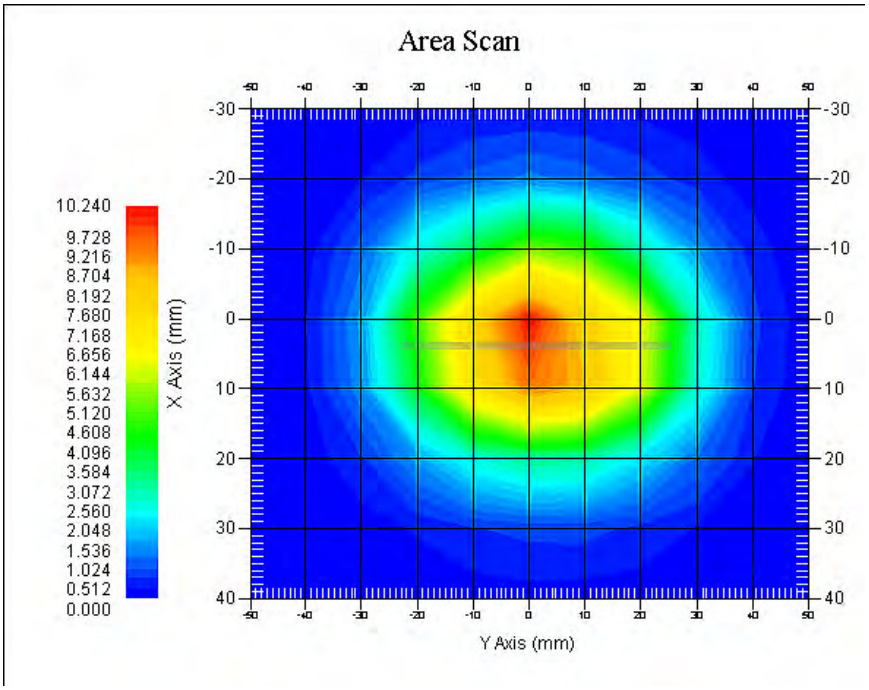
Phantom Data
Name : APREL-Uni
Type : Uni-Phantom
Serial No. : System Default
Location : Center
Description : Default

Tissue Data
Type : Body
Serial No. : 295-02105
Frequency : 1750.00 MHz
Last Calib. Date : 13-Oct-2016
Temperature : 20.00 °C
Ambient Temp. : 21.00 °C
Humidity : 56.00 RH%
Epsilon : 51.94 F/m
Sigma : 1.53 S/m
Density : 1000.00 kg/cu. m

Probe Data
Name : E-Field
Model : E-020
Type : E-Field Triangle
Serial No. : 500-00283
Last Calib. Date : 14-Dec-2015
Frequency Band : 1750
Duty Cycle Factor : 1
Conversion Factor : 5.3
Probe Sensitivity : 1.20 1.20 1.20 µV/(V/m)2
Compression Point : 95.00 mV
Offset : 1.56 mm

Measurement Data
Crest Factor : 1
Scan Type : Complete
Tissue Temp. : 20.00 °C
Ambient Temp. : 21.00 °C
Area Scan : 8x11x1 : Measurement x=10mm, y=10mm, z=4mm
Zoom Scan : 7x7x7 : Measurement x=5mm, y=5mm, z=5mm

1 gram SAR value : 9.362 W/kg
10 gram SAR value : 4.635 W/kg
Area Scan Peak SAR : 10.239 W/kg
Zoom Scan Peak SAR : 14.773 W/kg



1750 MHz System Validation with Body Tissue

Test Laboratory: Bay Area Compliance Lab Corp. (Shenzhen)

System Performance Check 1900 MHz Head Liquid

Dipole 1900 MHz; Type: ALS-D-1900-S-2; S/N: 210-00710

Product Data
Device Name : Dipole 1900MHz
Serial No. : 210-00710
Type : Dipole
Model : ALS-D-1900-S-2
Frequency Band : 1900
Max. Transmit Pwr : 0.25W
Drift Time : 3 min(s)
Power Drift-Start : 9.635W/kg
Power Drift-Finish : 9.503 W/kg
Power Drift (%) : -1.370

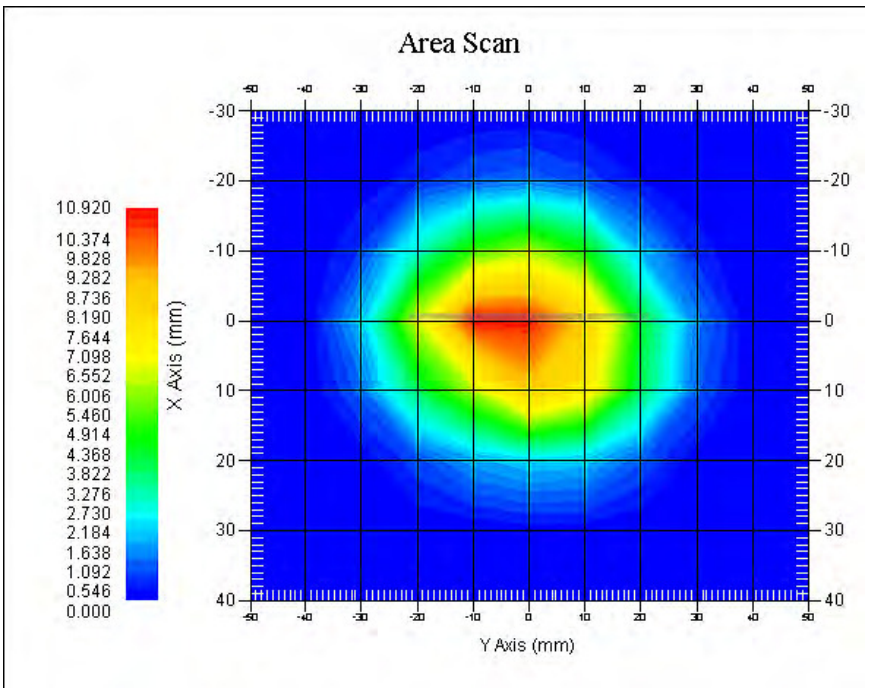
Phantom Data
Name : APREL-Uni
Type : Uni-Phantom
Serial No. : System Default
Location : Center
Description : Default

Tissue Data
Type : Head
Serial No. : 295-01103
Frequency : 1900.00 MHz
Last Calib. Date : 11-Oct-2016
Temperature : 20.00 °C
Ambient Temp. : 21.00 °C
Humidity : 56.00 RH%
Epsilon : 39.03 F/m
Sigma : 1.45 S/m
Density : 1000.00 kg/cu. M

Probe Data
Name : E-Field
Model : E-020
Type : E-Field Triangle
Serial No. : 500-00283
Last Calib. Date : 14-Dec-2015
Frequency Band : 1900
Duty Cycle Factor : 1
Conversion Factor : 4.8
Probe Sensitivity : 1.20 1.20 1.20 µV/(V/m)2
Compression Point : 95.00 mV
Offset : 1.56 mm

Measurement Data
Crest Factor : 1
Scan Type : Complete
Tissue Temp. : 20.00 °C
Ambient Temp. : 20.00 °C
Area Scan : 8x11x1 : Measurement x=10mm, y=10mm, z=4mm
Zoom Scan : 7x7x7 : Measurement x=5mm, y=5mm, z=5mm

1 gram SAR value : 10.165 W/kg
10 gram SAR value : 5.118 W/kg
Area Scan Peak SAR : 10.917 W/kg
Zoom Scan Peak SAR : 15.325 W/kg



1900 MHz System Validation with Head Tissue

Test Laboratory: Bay Area Compliance Lab Corp. (Shenzhen)

System Performance Check 1900 MHz Body Liquid

Dipole 1900 MHz; Type: ALS-D-1900-S-2; S/N: 210-00710

Product Data
Device Name : Dipole 1900MHz
Serial No. : 210-00710
Type : Dipole
Model : ALS-D-1900-S-2
Frequency Band : 1900
Max. Transmit Pwr : 0.25 W
Drift Time : 3 min(s)
Power Drift-Start : 9.967 W/kg
Power Drift-Finish : 9.802 W/kg
Power Drift (%) : -1.655

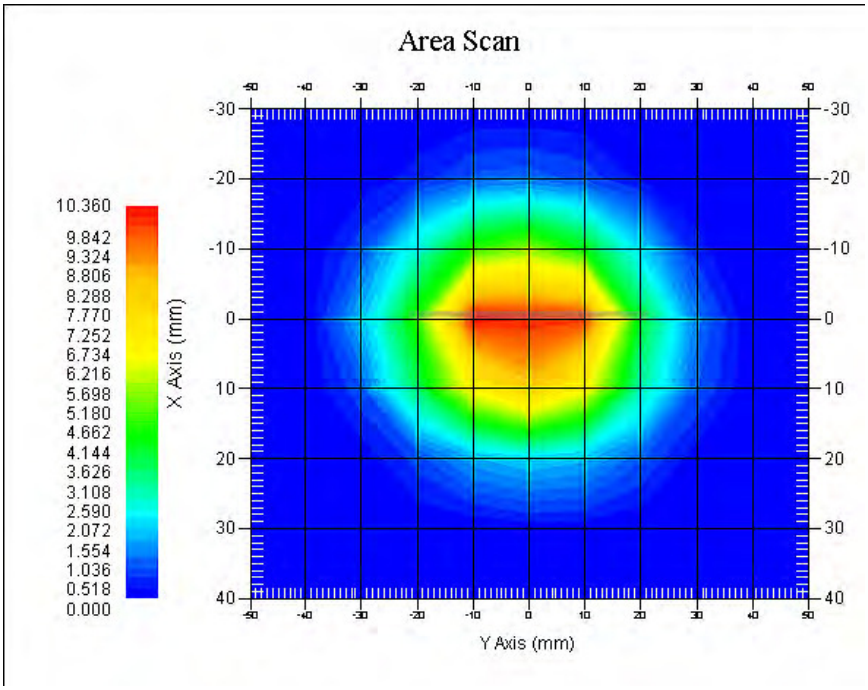
Phantom Data
Name : APREL-Uni
Type : Uni-Phantom
Serial No. : System Default
Location : Center
Description : Default

Tissue Data
Type : Body
Serial No. : 295-02102
Frequency : 1900.00 MHz
Last Calib. Date : 11-Oct-2016
Temperature : 20.00 °C
Ambient Temp. : 21.00 °C
Humidity : 56.00 RH%
Epsilon : 52.36 F/m
Sigma : 1.52 S/m
Density : 1000.00 kg/cu. m

Probe Data
Name : E-Field
Model : E-020
Type : E-Field Triangle
Serial No. : 500-00283
Last Calib. Date : 14-Dec-2015
Frequency Band : 1900
Duty Cycle Factor : 1
Conversion Factor : 4.8
Probe Sensitivity : 1.20 1.20 1.20 µV/(V/m)2
Compression Point : 95.00 mV
Offset : 1.56 mm

Measurement Data
Crest Factor : 1
Scan Type : Complete
Tissue Temp. : 20.00 °C
Ambient Temp. : 21.00 °C
Area Scan : 8x11x1 : Measurement x=10mm, y=10mm, z=4mm
Zoom Scan : 7x7x7 : Measurement x=5mm, y=5mm, z=5mm

1 gram SAR value : 9.968 W/kg
10 gram SAR value : 5.123 W/kg
Area Scan Peak SAR : 10.359 W/kg
Zoom Scan Peak SAR : 16.298 W/kg



1900 MHz System Validation with Body Tissue

Test Laboratory: Bay Area Compliance Lab Corp. (Shenzhen)

System Performance Check 1900 MHz Head Liquid

Dipole 1900 MHz; Type: ALS-D-1900-S-2; S/N: 210-00710

Product Data
Device Name : Dipole 1900MHz
Serial No. : 210-00710
Type : Dipole
Model : ALS-D-1900-S-2
Frequency Band : 1900
Max. Transmit Pwr : 0.25W
Drift Time : 3 min(s)
Power Drift-Start : 9.362W/kg
Power Drift-Finish : 9.588 W/kg
Power Drift (%) : 2.415

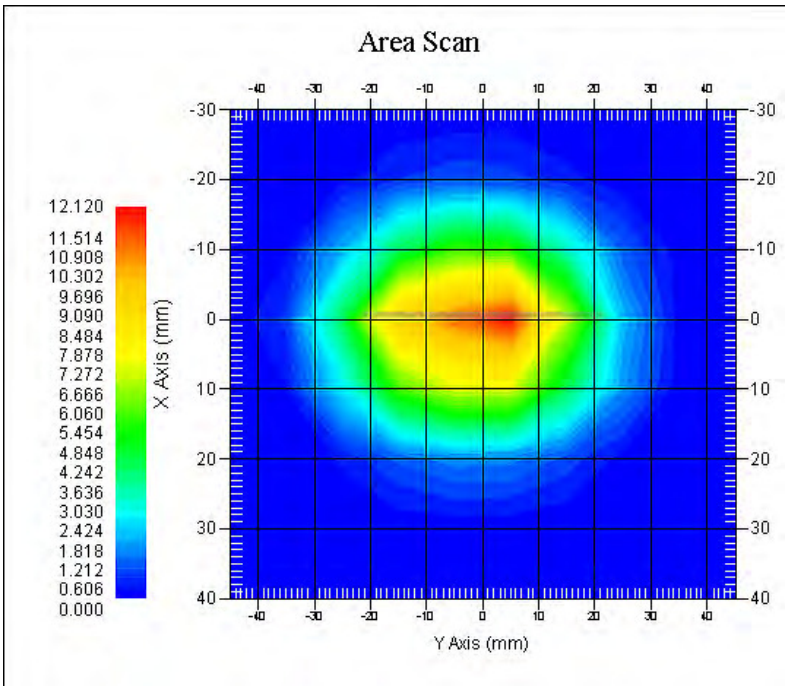
Phantom Data
Name : APREL-Uni
Type : Uni-Phantom
Serial No. : System Default
Location : Center
Description : Default

Tissue Data
Type : Head
Serial No. : 295-01103
Frequency : 1900.00 MHz
Last Calib. Date : 12-Oct-2016
Temperature : 20.00 °C
Ambient Temp. : 21.00 °C
Humidity : 56.00 RH%
Epsilon : 38.49 F/m
Sigma : 1.42 S/m
Density : 1000.00 kg/cu. M

Probe Data
Name : E-Field
Model : E-020
Type : E-Field Triangle
Serial No. : 500-00283
Last Calib. Date : 14-Dec-2015
Frequency Band : 1900
Duty Cycle Factor : 1
Conversion Factor : 4.8
Probe Sensitivity : 1.20 1.20 1.20 µV/(V/m)2
Compression Point : 95.00 mV
Offset : 1.56 mm

Measurement Data
Crest Factor : 1
Scan Type : Complete
Tissue Temp. : 20.00 °C
Ambient Temp. : 20.00 °C
Area Scan : 8x11x1 : Measurement x=10mm, y=10mm, z=4mm
Zoom Scan : 7x7x7 : Measurement x=5mm, y=5mm, z=5mm

1 gram SAR value : 10.375 W/kg
10 gram SAR value : 5.268 W/kg
Area Scan Peak SAR : 12.119 W/kg
Zoom Scan Peak SAR : 17.036 W/kg



1900 MHz System Validation with Head Tissue

Test Laboratory: Bay Area Compliance Lab Corp. (Shenzhen)

System Performance Check 1900 MHz Body Liquid

Dipole 1900 MHz; Type: ALS-D-1900-S-2; S/N: 210-00710

Product Data
Device Name : Dipole 1900MHz
Serial No. : 210-00710
Type : Dipole
Model : ALS-D-1900-S-2
Frequency Band : 1900
Max. Transmit Pwr : 0.25 W
Drift Time : 3 min(s)
Power Drift-Start : 9.992 W/kg
Power Drift-Finish : 9.603 W/kg
Power Drift (%) : -3.903

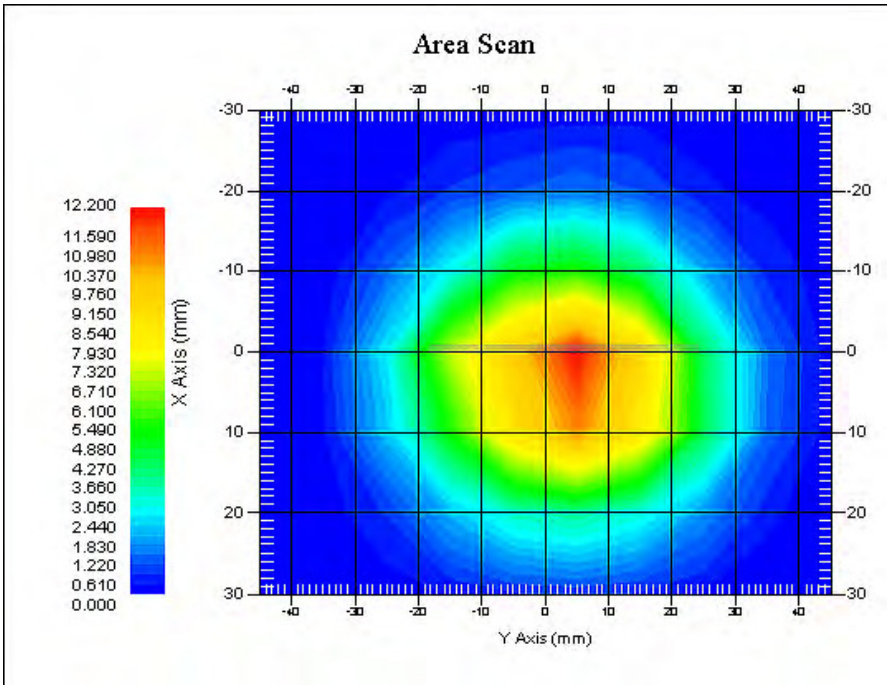
Phantom Data
Name : APREL-Uni
Type : Uni-Phantom
Serial No. : System Default
Location : Center
Description : Default

Tissue Data
Type : Body
Serial No. : 295-02102
Frequency : 1900.00 MHz
Last Calib. Date : 12-Oct-2016
Temperature : 20.00 °C
Ambient Temp. : 21.00 °C
Humidity : 56.00 RH%
Epsilon : 52.87 F/m
Sigma : 1.54 S/m
Density : 1000.00 kg/cu. m

Probe Data
Name : E-Field
Model : E-020
Type : E-Field Triangle
Serial No. : 500-00283
Last Calib. Date : 14-Dec-2015
Frequency Band : 1900
Duty Cycle Factor : 1
Conversion Factor : 4.8
Probe Sensitivity : 1.20 1.20 1.20 µV/(V/m)2
Compression Point : 95.00 mV
Offset : 1.56 mm

Measurement Data
Crest Factor : 1
Scan Type : Complete
Tissue Temp. : 20.00 °C
Ambient Temp. : 21.00 °C
Area Scan : 8x11x1 : Measurement x=10mm, y=10mm, z=4mm
Zoom Scan : 7x7x7 : Measurement x=5mm, y=5mm, z=5mm

1 gram SAR value : 10.326 W/kg
10 gram SAR value : 5.277 W/kg
Area Scan Peak SAR : 12.197 W/kg
Zoom Scan Peak SAR : 16.795 W/kg



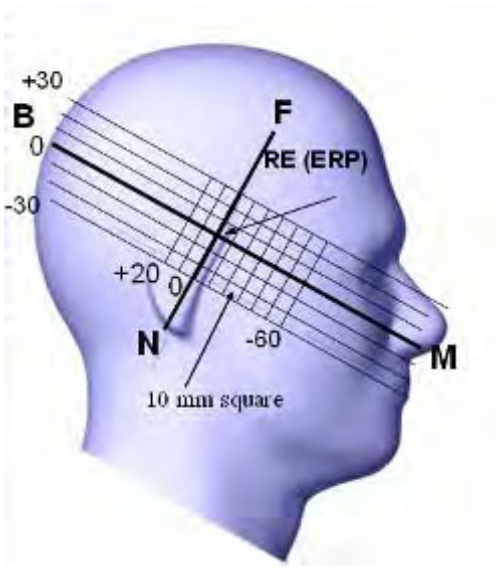
1900 MHz System Validation with Body Tissue

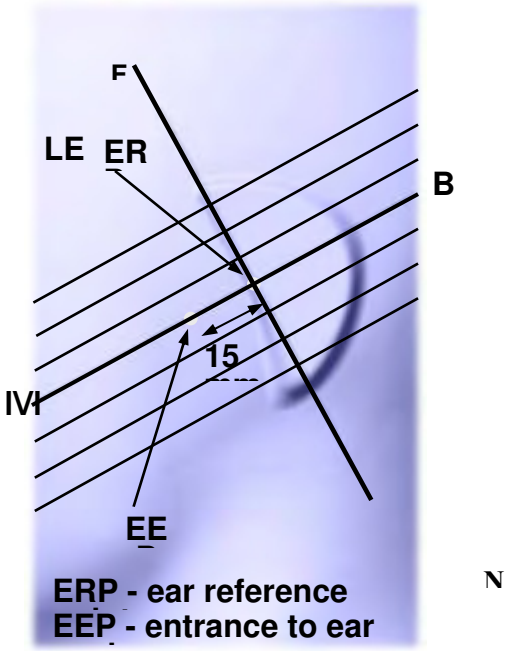
EUT TEST STRATEGY AND METHODOLOGY

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

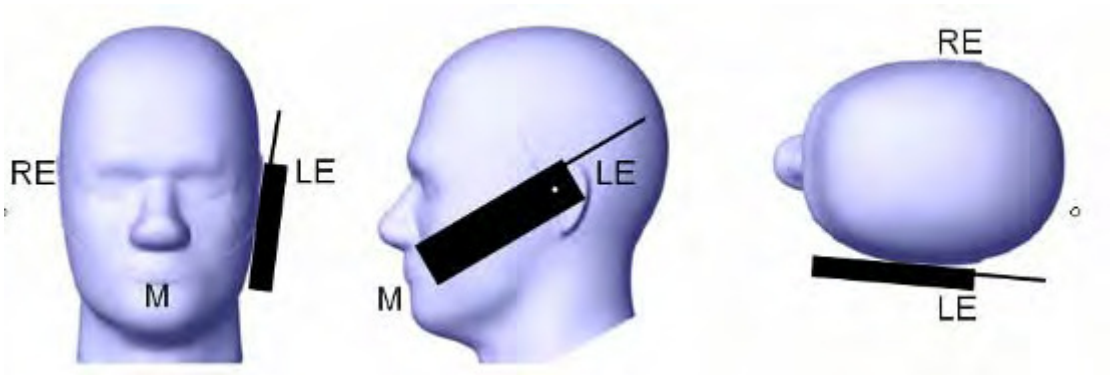
The device is brought toward the mouth of the head phantom by pivoting against the "ear reference point" or along the "N-F" line for the SCC-34/SC-2 head phantom.

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

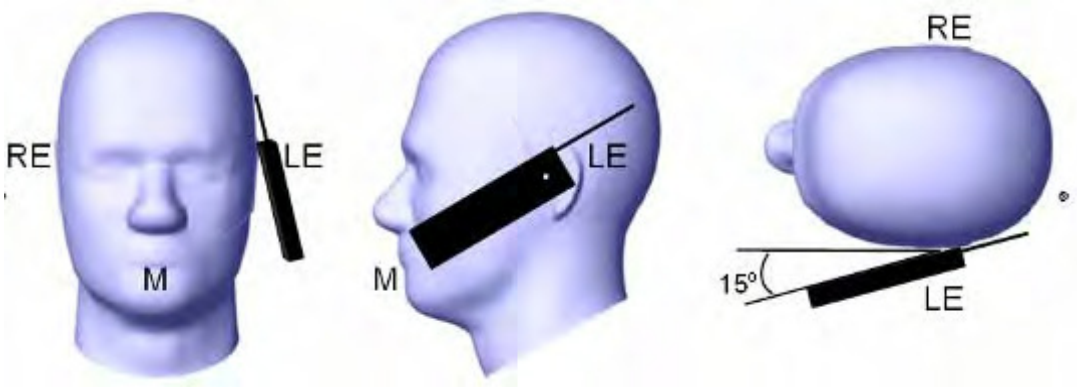
With the handset aligned in the "Cheek/Touch Position":

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 isby 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 15° 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.

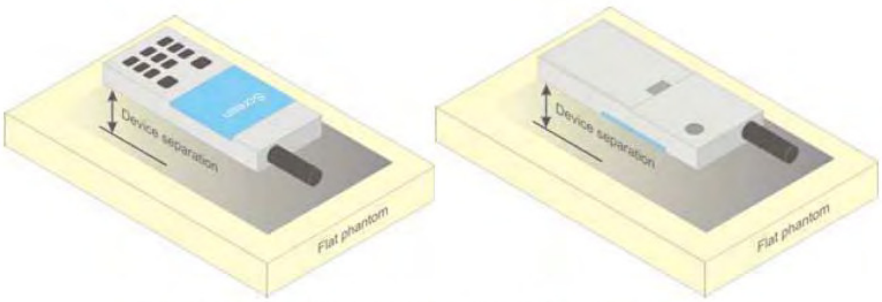


Figure 5 – Test positions for body-worn devices

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 EUT and the horizontal grid spacing was 10 mm x 10 mm. 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 35 mm x 35 mm x 35 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.

Test methodology

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 941225 D06 Hotspot Mode v02r01.

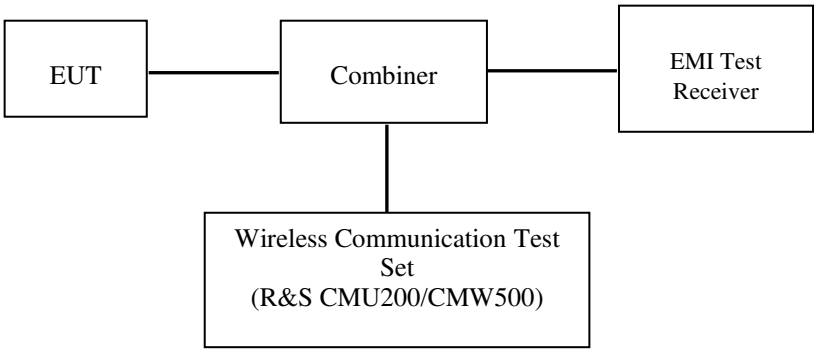
CONDUCTED OUTPUT POWER MEASUREMENT

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 CMU200 & CMW500 for all Radio configurations.

GSM

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 + only
MS Signal
> 33 dBm for GSM 850
> 30 dBm for PCS 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
TCH > choose desired test channel
Hopping >Off
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

GPRS

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
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)
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+

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

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 (boost)
1	1	0	30/15	30/15	β_{ed}1: 30/15 β_{ed}2: 30/15	β_{ed}3: 24/15 β_{ed}4: 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.

DC-HSDPA

The following tests were conducted according to the test requirements in Table Table C.8.1.12 of 3GPP TS 34.121-1

Table C.8.1.12: Fixed Reference Channel H-Set 12

Parameter	Unit	Value
Nominal Avg. Inf. Bit Rate	kbps	60
Inter-TTI Distance	TTI's	1
Number of HARQ Processes	Proces ses	6
Information Bit Payload (N_{INF})	Bits	120
Number Code Blocks	Blocks	1
Binary Channel Bits Per TTI	Bits	960
Total Available SML's in UE	SML's	19200
Number of SML's per HARQ Proc.	SML's	3200
Coding Rate		0.15
Number of Physical Channel Codes	Codes	1
Modulation		QPSK
Note 1: The RMC is intended to be used for DC-HSDPA mode and both cells shall transmit with identical parameters as listed in the table. Note 2: Maximum number of transmission is limited to 1, i.e., retransmission is not allowed. The redundancy and constellation version 0 shall be used.		

LTE

For UE Power Class 1 and 3, the allowed Maximum Power Reduction (MPR) for the maximum output power in Table 6.2.2-1due to higher order modulation and transmit bandwidth configuration (resource blocks) is specified in Table 6.2.3-1.

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 6.2.3.

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	-	-	-	-	-

Maximum Output Power among production units

Max Target Power for Production Unit (dBm)				
Mode/Band		Channel		
		Low	Middle	High
GSM 850		33.0	33.0	33.0
GPRS 1 TX Slot		33.0	33.0	33.0
GPRS 2 TX Slot		31.7	31.7	31.7
GPRS 3 TX Slot		30.0	30.0	30.0
GPRS 4 TX Slot		28.9	28.9	28.9
EDGE 1 TX Slot		26.8	26.8	26.8
EDGE 2 TX Slot		24.9	24.9	24.9
EDGE 3 TX Slot		22.9	22.9	22.9
EDGE 4 TX Slot		21.5	21.5	21.5
PCS 1900		29.8	29.8	29.8
GPRS 1 TX Slot		29.1	29.1	29.1
GPRS 2 TX Slot		28.0	28.0	28.0
GPRS 3 TX Slot		26.2	26.2	26.2
GPRS 4 TX Slot		24.4	24.4	24.4
EDGE 1 TX Slot		25.7	25.7	25.7
EDGE 2 TX Slot		23.9	23.9	23.9
EDGE 3 TX Slot		22.6	22.6	22.6
EDGE 4 TX Slot		20.6	20.6	20.6
WCDMA 850	22.8	22.8	22.8	22.70
	21.8	21.8	21.8	21.80
	21.7	21.7	21.7	21.70
	21.7	21.7	21.7	21.70
	21.6	21.6	21.6	21.60
WCDMA 1700	22.9	22.9	22.9	22.90
	22.2	22.2	22.2	22.20
	22.1	22.1	22.1	22.10
	22.1	22.1	22.1	22.10
	22.0	22.0	22.0	22.00
WCDMA 1900	22.9	22.9	22.9	22.80
	22.0	22.0	22.0	22.00
	22.1	22.1	22.1	22.10
	22.0	22.0	22.0	22.00
	22.0	22.0	22.0	22.00
LTE Band 2		22.8	22.8	22.8
LTE Band 4		23.1	23.1	23.1
LTE Band 5		23.1	23.1	23.1
LTE Band 7		23.0	23.0	23.0
LTE Band 17		23.1	23.1	23.1
Wi-Fi		9.5	9.5	9.5
Bluetooth		5.4	5.4	5.4

Test Results:

GSM:

Band	Channel No.	Frequency (MHz)	Conducted Output Power (dBm)
GSM 850	128	824.2	32.93
	190	836.6	**33.00**
	251	848.8	32.84
PCS 1900	512	1850.2	29.40
	661	1880.0	29.47
	810	1909.8	**29.59**

GPRS:

Band	Channel No.	Frequency (MHz)	RF Output Power (dBm)			
			1 slot	2 slot	3 slots	4 slots
GSM 850	128	824.2	32.39	31.61	29.99	28.73
	190	836.6	32.71	31.39	30.02	28.70
	251	848.8	32.72	31.29	29.60	**28.86**
PCS 1900	512	1850.2	29.08	27.43	26.15	24.35
	661	1880.0	28.86	27.76	25.84	24.29
	810	1909.8	29.04	27.50	26.01	24.39

EGPRS:

Band	Channel No.	Frequency (MHz)	RF Output Power (dBm)			
			1 slot	2 slot	3 slots	4 slots
GSM 850	128	824.2	26.06	24.77	22.50	21.24
	190	836.6	26.74	24.08	22.85	21.43
	251	848.8	26.33	24.88	22.66	21.31
PCS 1900	512	1850.2	25.50	23.58	22.00	20.46
	661	1880.0	25.55	23.79	22.41	20.43
	810	1909.8	25.74	23.81	22.54	20.51

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 slot	3 slots	4 slots
GSM 850	128	824.2	23.39	25.61	25.74	25.73
	190	836.6	23.71	25.39	25.77	25.70
	251	848.8	23.72	25.29	25.35	25.86
PCS 1900	512	1850.2	20.08	21.43	21.90	21.35
	661	1880.0	19.86	21.76	21.59	21.29
	810	1909.8	20.04	21.50	21.76	21.39

The time based average power for EGPRS

Band	Channel No.	Frequency (MHz)	Time based average Power (dBm)			
			1 slot	2 slot	3 slots	4 slots
GSM 850	128	824.2	17.06	18.77	18.25	18.24
	190	836.6	17.74	18.08	18.60	18.43
	251	848.8	17.33	18.88	18.41	18.31
PCS 1900	512	1850.2	16.50	17.58	17.75	17.46
	661	1880.0	16.55	17.79	18.16	17.43
	810	1909.8	16.74	17.81	18.29	17.51

Note:
1. Rohde & Schwarz Radio Communication Tester (CMU200) was used for the measurement of GSM peak and average output power for active timeslots.
2. For GSM voice, 1 timeslot has been activated with power level 5 (850 MHz band) and 0 (1900 MHz band).
3. For GPRS, 1, 2, 3 and 4 timeslots has been activated separately with power level 3(850 MHz band) and 3(1900 MHz band).
4. For EGPRS, 1, 2, 3 and 4 timeslots has been activated separately with power level 6(850 MHz band) and 5(1900 MHz band).

WCDMA 850

Test Condition	Test Mode	3GPP Sub Test	Averaged Mean Power (dBm)		
			Low Frequency	Mid Frequency	High Frequency
Normal	RMC12.2k		22.45	22.48	**22.77**
	HSDPA	1	21.59	21.68	21.45
		2	21.53	21.69	21.44
		3	21.42	21.72	21.56
		4	21.41	21.47	21.35
	HSUPA	1	21.67	21.88	21.76
		2	21.44	21.85	21.64
		3	21.38	21.62	21.61
		4	21.39	21.70	21.43
		5	21.39	21.56	21.55
	DC-HSDPA	1	21.53	21.56	21.55
		2	21.49	21.48	21.56
		3	21.16	21.52	21.36
		4	21.34	21.30	21.43
	HSPA+ (16QAM)	1	21.74	21.35	21.69

WCDMA 1700

Test Condition	Test Mode	3GPP Sub Test	Averaged Mean Power (dBm)		
			Low Frequency	Mid Frequency	High Frequency
Normal	RMC12.2k		22.70	**22.88**	22.29
	HSDPA	1	22.19	22.00	21.84
		2	22.17	21.90	21.64
		3	21.96	21.77	21.85
		4	21.85	21.67	21.76
	HSUPA	1	22.20	22.02	21.76
		2	21.92	22.07	21.64
		3	21.92	21.91	21.74
		4	21.71	21.72	21.70
		5	21.87	21.77	21.54
	DC-HSDPA	1	22.12	21.85	21.57
		2	21.93	22.00	21.51
		3	21.99	21.79	21.54
		4	21.83	21.70	21.46
	HSPA+ (16QAM)	1	22.00	21.87	21.74

WCDMA 1900

Test Condition	Test Mode	3GPP Sub Test	Averaged Mean Power (dBm)		
			Low Frequency	Mid Frequency	High Frequency
Normal	RMC12.2k		22.77	**22.85**	22.80
	HSDPA	1	21.87	21.97	21.87
		2	21.86	21.78	22.01
		3	21.88	21.70	21.97
		4	21.84	21.66	21.77
	HSUPA	1	22.01	22.27	22.06
		2	22.04	21.95	22.20
		3	22.07	21.83	21.90
		4	21.81	22.03	21.79
		5	21.84	21.90	21.89
	DC-HSDPA	1	22.05	21.74	21.95
		2	21.87	21.73	22.08
		3	21.87	21.66	22.01
		4	21.68	21.69	21.85
	HSPA+ (16QAM)	1	21.95	21.80	21.86

Note:

1. 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.
2. KDB 941225 D01-Body SAR is not required for HSDPA/HSUPA/DC-HSDPA/HSPA+ when the maximum average output of each RF channel is less than ¼ dB higher than measured 12.2kbps RMC or the maximum SAR for 12.2kbps RMC is < 75% of SAR limit.

LTE Band 2:

BW	Modulation	Resource Block Size& Resource Block Offset	Target MPR	Meas MPR	Ave Tx Power (dBm)		
					Low Channel	Mid Channel	High Channel
1.4M	QPSK	RB Size=1, RB Offset=0	0	0	22.77	22.66	22.54
		RB Size=1, RB Offset=2	0	0	22.74	22.71	22.44
		RB Size=1, RB Offset=5	0	0	22.81	22.63	22.44
		RB Size=3, RB Offset=0	1	1	22.17	22.68	22.71
		RB Size=3, RB Offset=1	1	1	22.34	22.53	22.36
		RB Size=3, RB Offset=2	1	1	22.18	22.61	22.37
		RB Size=6, RB Offset=0	1	1	22.15	22.23	22.05
	16QAM	RB Size=1, RB Offset=0	1	1	22.07	22.33	22.22
		RB Size=1, RB Offset=2	1	1	22.19	21.99	22.01
		RB Size=1, RB Offset=5	1	1	22.14	22.05	22.09
		RB Size=3, RB Offset=0	2	2	21.65	21.69	21.48
		RB Size=3, RB Offset=1	2	2	21.42	21.62	21.94
		RB Size=3, RB Offset=2	2	2	21.52	21.69	21.73
		RB Size=6, RB Offset=0	2	2	21.27	21.10	21.16
3M	QPSK	RB Size=1, RB Offset=0	0	0	22.46	22.37	22.54
		RB Size=1, RB Offset=7	0	0	22.47	22.48	22.31
		RB Size=1, RB Offset=14	0	0	22.41	22.50	22.15
		RB Size=8, RB Offset=0	1	1	21.98	22.08	22.06
		RB Size=8, RB Offset=4	1	1	22.13	22.02	22.00
		RB Size=8, RB Offset=7	1	1	21.91	21.76	21.66
		RB Size=15, RB Offset=0	1	1	20.97	20.97	21.00
	16QAM	RB Size=1, RB Offset=0	1	1	21.76	21.85	21.79
		RB Size=1, RB Offset=7	1	1	21.60	21.76	21.63
		RB Size=1, RB Offset=14	1	1	21.66	21.92	21.91
		RB Size=8, RB Offset=0	2	2	21.75	21.34	21.52
		RB Size=8, RB Offset=4	2	2	22.08	21.23	21.44
		RB Size=8, RB Offset=7	2	2	21.70	21.44	21.47
		RB Size=15, RB Offset=0	2	2	21.06	21.03	20.70
5M	QPSK	RB Size=1, RB Offset=0	0	0	22.88	22.24	22.46
		RB Size=1, RB Offset=12	0	0	22.68	22.53	22.04
		RB Size=1, RB Offset=24	0	0	22.60	22.35	22.11
		RB Size=12, RB Offset=0	1	1	21.62	21.64	21.70
		RB Size=12, RB Offset=6	1	1	22.02	21.48	21.78
		RB Size=12, RB Offset=11	1	1	21.51	21.37	21.63
		RB Size=25, RB Offset=0	1	1	20.90	20.88	20.88
	16QAM	RB Size=1, RB Offset=0	1	1	21.74	21.39	21.77
		RB Size=1, RB Offset=12	1	1	21.87	21.36	21.85
		RB Size=1, RB Offset=24	1	1	21.32	21.05	21.90
		RB Size=12, RB Offset=0	2	2	21.60	21.43	21.26
		RB Size=12, RB Offset=6	2	2	21.55	21.59	21.02
		RB Size=12, RB Offset=11	2	2	21.45	20.93	21.11
		RB Size=25, RB Offset=0	2	2	20.70	20.77	20.60

LTE Band 2:

BW	Modulation	Resource Block Size& Resource Block Offset	Target MPR	Meas MPR	Ave Tx Power (dBm)		
					Low Channel	Mid Channel	High Channel
10M	QPSK	RB Size=1, RB Offset=0	0	0	22.54	22.48	22.07
		RB Size=1, RB Offset=24	0	0	22.80	22.64	22.63
		RB Size=1, RB Offset=49	0	0	22.35	22.02	22.20
		RB Size=25, RB Offset=0	1	1	21.94	21.54	21.45
		RB Size=25, RB Offset=12	1	1	22.04	21.65	21.73
		RB Size=25, RB Offset=24	1	1	21.84	21.43	21.84
		RB Size=50, RB Offset=0	1	1	21.26	21.31	21.27
	16QAM	RB Size=1, RB Offset=0	1	1	22.38	22.13	22.16
		RB Size=1, RB Offset=24	1	1	22.08	22.09	22.01
		RB Size=1, RB Offset=49	1	1	22.06	22.11	22.23
		RB Size=25, RB Offset=0	2	2	21.59	21.34	21.06
		RB Size=25, RB Offset=12	2	2	21.47	21.51	21.12
		RB Size=25, RB Offset=24	2	2	21.47	21.43	21.09
		RB Size=50, RB Offset=0	2	2	20.50	20.39	20.27
15M	QPSK	RB Size=1, RB Offset=0	0	0	22.31	22.39	22.33
		RB Size=1, RB Offset=37	0	0	22.23	22.29	22.46
		RB Size=1, RB Offset=74	0	0	22.05	22.35	22.45
		RB Size=36, RB Offset=0	1	1	21.84	21.77	21.72
		RB Size=36, RB Offset=18	1	1	21.68	22.06	21.70
		RB Size=36, RB Offset=37	1	1	21.58	22.02	22.11
		RB Size=75, RB Offset=0	1	1	21.62	20.79	21.00
	16QAM	RB Size=1, RB Offset=0	1	1	22.23	21.67	21.94
		RB Size=1, RB Offset=37	1	1	22.15	21.40	21.47
		RB Size=1, RB Offset=74	1	1	22.10	21.47	21.81
		RB Size=36, RB Offset=0	2	2	21.38	20.34	20.88
		RB Size=36, RB Offset=18	2	2	21.49	20.92	21.07
		RB Size=36, RB Offset=37	2	2	21.35	20.76	21.05
		RB Size=75, RB Offset=0	2	2	20.58	20.22	20.05
20M	QPSK	RB Size=1, RB Offset=0	0	0	22.27	21.72	22.14
		RB Size=1, RB Offset=49	0	0	22.25	22.08	22.34
		RB Size=1, RB Offset=99	0	0	22.39	22.15	**22.72**
		RB Size=50, RB Offset=0	1	1	21.78	21.31	21.80
		RB Size=50, RB Offset=24	1	1	21.40	21.50	21.93
		RB Size=50, RB Offset=49	1	1	**22.66**	21.65	21.59
		RB Size=100, RB Offset=0	1	1	21.46	20.71	20.90
	16QAM	RB Size=1, RB Offset=0	1	1	21.92	21.91	22.05
		RB Size=1, RB Offset=49	1	1	22.23	21.60	21.78
		RB Size=1, RB Offset=99	1	1	21.86	21.59	21.90
		RB Size=50, RB Offset=0	2	2	21.49	20.81	21.07
		RB Size=50, RB Offset=24	2	2	21.18	21.18	21.21
		RB Size=50, RB Offset=49	2	2	21.11	20.95	20.83
		RB Size=100, RB Offset=0	2	2	20.26	20.50	20.55

LTE Band 4:

BW	Modulation	Resource Block Size& Resource Block Offset	Target MPR	Meas MPR	Ave Tx Power (dBm)		
					Low Channel	Mid Channel	High Channel
1.4M	QPSK	RB Size=1, RB Offset=0	0	0	22.45	22.55	22.46
		RB Size=1, RB Offset=2	0	0	22.48	22.57	22.34
		RB Size=1, RB Offset=5	0	0	22.40	22.54	22.39
		RB Size=3, RB Offset=0	1	1	22.20	22.58	21.80
		RB Size=3, RB Offset=1	1	1	21.94	22.40	21.84
		RB Size=3, RB Offset=2	1	1	21.77	22.32	21.77
		RB Size=6, RB Offset=0	1	1	21.16	21.30	20.93
	16QAM	RB Size=1, RB Offset=0	1	1	22.07	22.28	21.82
		RB Size=1, RB Offset=2	1	1	22.26	21.57	21.65
		RB Size=1, RB Offset=5	1	1	22.11	22.27	21.69
		RB Size=3, RB Offset=0	2	2	21.68	22.34	21.12
		RB Size=3, RB Offset=1	2	2	21.41	22.39	21.46
		RB Size=3, RB Offset=2	2	2	21.43	22.20	21.53
		RB Size=6, RB Offset=0	2	2	20.85	20.49	20.83
3M	QPSK	RB Size=1, RB Offset=0	0	0	22.11	21.85	22.37
		RB Size=1, RB Offset=7	0	0	22.12	22.31	21.95
		RB Size=1, RB Offset=14	0	0	22.03	22.24	21.82
		RB Size=8, RB Offset=0	1	1	21.86	21.66	21.74
		RB Size=8, RB Offset=4	1	1	21.59	21.90	21.76
		RB Size=8, RB Offset=7	1	1	21.72	21.70	21.53
		RB Size=15, RB Offset=0	1	1	20.78	20.80	20.95
	16QAM	RB Size=1, RB Offset=0	1	1	22.08	21.78	21.68
		RB Size=1, RB Offset=7	1	1	22.08	21.59	21.67
		RB Size=1, RB Offset=14	1	1	22.16	21.56	21.72
		RB Size=8, RB Offset=0	2	2	21.51	21.23	21.18
		RB Size=8, RB Offset=4	2	2	21.68	21.10	21.35
		RB Size=8, RB Offset=7	2	2	21.39	21.21	21.31
		RB Size=15, RB Offset=0	2	2	20.71	20.71	20.64
5M	QPSK	RB Size=1, RB Offset=0	0	0	22.66	21.81	22.44
		RB Size=1, RB Offset=12	0	0	22.52	21.84	21.83
		RB Size=1, RB Offset=24	0	0	22.21	19.95	22.16
		RB Size=12, RB Offset=0	1	1	21.36	21.33	21.43
		RB Size=12, RB Offset=6	1	1	21.60	21.18	21.57
		RB Size=12, RB Offset=11	1	1	21.26	21.06	21.29
		RB Size=25, RB Offset=0	1	1	20.74	20.76	20.57
	16QAM	RB Size=1, RB Offset=0	1	1	21.38	21.08	21.47
		RB Size=1, RB Offset=12	1	1	21.49	21.12	21.47
		RB Size=1, RB Offset=24	1	1	20.97	20.88	21.75
		RB Size=12, RB Offset=0	2	2	21.20	21.10	20.91
		RB Size=12, RB Offset=6	2	2	21.26	21.12	20.96
		RB Size=12, RB Offset=11	2	2	21.03	20.80	20.77
		RB Size=25, RB Offset=0	2	2	20.32	20.53	20.44

LTE Band 4:

BW	Modulation	Resource Block Size& Resource Block Offset	Target MPR	Meas MPR	Ave Tx Power (dBm)		
					Low Channel	Mid Channel	High Channel
10M	QPSK	RB Size=1, RB Offset=0	0	0	22.18	22.00	21.90
		RB Size=1, RB Offset=24	0	0	22.61	21.75	21.91
		RB Size=1, RB Offset=49	0	0	21.93	21.92	22.01
		RB Size=25, RB Offset=0	1	1	21.58	21.16	21.22
		RB Size=25, RB Offset=12	1	1	21.67	21.42	21.41
		RB Size=25, RB Offset=24	1	1	21.62	21.27	21.60
		RB Size=50, RB Offset=0	1	1	21.20	20.75	20.81
	16QAM	RB Size=1, RB Offset=0	1	1	22.07	21.67	21.57
		RB Size=1, RB Offset=24	1	1	21.89	21.56	21.69
		RB Size=1, RB Offset=49	1	1	20.76	21.31	21.41
		RB Size=25, RB Offset=0	2	2	21.37	21.07	20.81
		RB Size=25, RB Offset=12	2	2	21.18	21.29	20.85
		RB Size=25, RB Offset=24	2	2	20.45	20.45	20.85
		RB Size=50, RB Offset=0	2	2	20.37	20.13	20.06
15M	QPSK	RB Size=1, RB Offset=0	0	0	22.10	22.09	22.14
		RB Size=1, RB Offset=37	0	0	21.87	22.06	22.22
		RB Size=1, RB Offset=74	0	0	22.03	21.94	22.43
		RB Size=36, RB Offset=0	1	1	21.56	21.45	21.76
		RB Size=36, RB Offset=18	1	1	21.60	21.60	21.60
		RB Size=36, RB Offset=37	1	1	21.21	21.82	21.86
		RB Size=75, RB Offset=0	1	1	21.42	20.41	20.53
	16QAM	RB Size=1, RB Offset=0	1	1	21.99	21.28	21.60
		RB Size=1, RB Offset=37	1	1	21.78	21.21	21.34
		RB Size=1, RB Offset=74	1	1	21.89	21.23	21.60
		RB Size=36, RB Offset=0	2	2	21.19	20.29	20.75
		RB Size=36, RB Offset=18	2	2	21.39	20.64	20.87
		RB Size=36, RB Offset=37	2	2	21.21	20.41	20.78
		RB Size=75, RB Offset=0	2	2	20.52	20.02	19.72
20M	QPSK	RB Size=1, RB Offset=0	0	0	21.90	21.62	21.84
		RB Size=1, RB Offset=49	0	0	22.23	21.79	22.07
		RB Size=1, RB Offset=99	0	0	22.09	22.09	**23.08**
		RB Size=50, RB Offset=0	1	1	21.33	21.05	21.81
		RB Size=50, RB Offset=24	1	1	21.23	21.09	21.87
		RB Size=50, RB Offset=49	1	1	**22.32**	21.43	21.57
		RB Size=100, RB Offset=0	1	1	21.36	20.47	20.71
	16QAM	RB Size=1, RB Offset=0	1	1	21.56	21.40	21.75
		RB Size=1, RB Offset=49	1	1	21.87	21.38	21.64
		RB Size=1, RB Offset=99	1	1	21.71	21.48	21.84
		RB Size=50, RB Offset=0	2	2	20.98	20.71	20.81
		RB Size=50, RB Offset=24	2	2	20.92	20.75	20.99
		RB Size=50, RB Offset=49	2	2	20.81	20.77	20.61
		RB Size=100, RB Offset=0	2	2	20.15	20.12	20.16

LTE Band 5:

BW	Modulation	Resource Block Size& Resource Block Offset	Target MPR	Meas MPR	Ave Tx Power (dBm)		
					Low Channel	Mid Channel	High Channel
1.4M	QPSK	RB Size=1, RB Offset=0	0	0	23.26	22.97	23.02
		RB Size=1, RB Offset=2	0	0	23.15	23.12	22.95
		RB Size=1, RB Offset=5	0	0	22.93	23.16	22.82
		RB Size=3, RB Offset=0	1	1	22.41	22.05	22.47
		RB Size=3, RB Offset=1	1	1	22.29	22.37	21.95
		RB Size=3, RB Offset=2	1	1	22.10	22.36	22.09
		RB Size=6, RB Offset=0	1	1	21.64	21.90	21.68
	16QAM	RB Size=1, RB Offset=0	1	1	22.46	22.57	22.37
		RB Size=1, RB Offset=2	1	1	22.41	22.45	22.08
		RB Size=1, RB Offset=5	1	1	22.09	22.56	22.03
		RB Size=3, RB Offset=0	2	2	21.63	21.37	21.30
		RB Size=3, RB Offset=1	2	2	21.30	21.34	21.26
		RB Size=3, RB Offset=2	2	2	21.29	21.60	21.26
		RB Size=6, RB Offset=0	2	2	21.67	20.64	20.61
3M	QPSK	RB Size=1, RB Offset=0	0	0	22.96	22.99	22.54
		RB Size=1, RB Offset=7	0	0	22.78	22.87	22.53
		RB Size=1, RB Offset=14	0	0	22.62	23.11	22.86
		RB Size=8, RB Offset=0	1	1	22.88	22.36	21.92
		RB Size=8, RB Offset=4	1	1	22.63	22.39	22.23
		RB Size=8, RB Offset=7	1	1	22.49	22.38	21.90
		RB Size=15, RB Offset=0	1	1	21.96	21.98	21.56
	16QAM	RB Size=1, RB Offset=0	1	1	22.29	22.12	22.19
		RB Size=1, RB Offset=7	1	1	22.06	22.55	22.39
		RB Size=1, RB Offset=14	1	1	22.35	22.60	22.13
		RB Size=8, RB Offset=0	2	2	21.25	21.52	20.92
		RB Size=8, RB Offset=4	2	2	21.58	21.23	20.98
		RB Size=8, RB Offset=7	2	2	21.48	21.43	21.10
		RB Size=15, RB Offset=0	2	2	20.68	20.79	20.41
5M	QPSK	RB Size=1, RB Offset=0	0	0	23.04	22.83	22.72
		RB Size=1, RB Offset=12	0	0	23.07	22.83	22.59
		RB Size=1, RB Offset=24	0	0	22.88	22.81	22.84
		RB Size=12, RB Offset=0	1	1	22.35	22.55	22.00
		RB Size=12, RB Offset=6	1	1	22.56	22.26	22.07
		RB Size=12, RB Offset=11	1	1	22.20	22.20	21.98
		RB Size=25, RB Offset=0	1	1	21.76	21.69	21.30
	16QAM	RB Size=1, RB Offset=0	1	1	22.36	22.40	22.11
		RB Size=1, RB Offset=12	1	1	22.63	22.17	22.06
		RB Size=1, RB Offset=24	1	1	22.56	22.87	21.87
		RB Size=12, RB Offset=0	2	2	21.56	21.45	21.15
		RB Size=12, RB Offset=6	2	2	21.04	21.50	21.03
		RB Size=12, RB Offset=11	2	2	21.39	21.68	20.92
		RB Size=25, RB Offset=0	2	2	20.78	21.07	20.61

LTE Band 5:

BW	Modulation	Resource Block Size& Resource Block Offset	Target MPR	Meas MPR	Ave Tx Power (dBm)		
					Low Channel	Mid Channel	High Channel
10M	QPSK	RB Size=1, RB Offset=0	0	0	22.88	22.57	22.10
		RB Size=1, RB Offset=24	0	0	22.83	**23.04**	22.39
		RB Size=1, RB Offset=49	0	0	22.85	22.67	22.09
		RB Size=25, RB Offset=0	1	1	22.18	**22.53**	21.70
		RB Size=25, RB Offset=12	1	1	22.30	22.48	21.71
		RB Size=25, RB Offset=24	1	1	22.04	22.43	21.94
		RB Size=50, RB Offset=0	1	1	21.61	21.71	21.13
	16QAM	RB Size=1, RB Offset=0	1	1	22.60	22.28	22.10
		RB Size=1, RB Offset=24	1	1	22.30	21.99	21.80
		RB Size=1, RB Offset=49	1	1	22.36	22.22	22.10
		RB Size=25, RB Offset=0	2	2	21.61	21.77	21.19
		RB Size=25, RB Offset=12	2	2	21.61	21.85	21.28
		RB Size=25, RB Offset=24	2	2	21.66	21.91	21.41
		RB Size=50, RB Offset=0	2	2	20.35	20.99	20.71

LTE Band 7:

BW	Modulation	Resource Block Size& Resource Block Offset	Target MPR	Meas MPR	Ave Tx Power (dBm)		
					Low Channel	Mid Channel	High Channel
5M	QPSK	RB Size=1, RB Offset=0	0	0	22.64	22.54	22.51
		RB Size=1, RB Offset=12	0	0	22.77	22.45	22.41
		RB Size=1, RB Offset=24	0	0	22.62	22.65	22.57
		RB Size=12, RB Offset=0	1	1	21.95	22.22	21.66
		RB Size=12, RB Offset=6	1	1	22.26	22.08	21.99
		RB Size=12, RB Offset=11	1	1	22.01	22.16	21.81
		RB Size=25, RB Offset=0	1	1	21.29	21.40	21.29
	16QAM	RB Size=1, RB Offset=0	1	1	21.95	22.08	21.89
		RB Size=1, RB Offset=12	1	1	22.25	21.94	21.97
		RB Size=1, RB Offset=24	1	1	21.94	22.44	21.90
		RB Size=12, RB Offset=0	2	2	21.26	21.24	20.64
		RB Size=12, RB Offset=6	2	2	20.64	21.35	20.76
		RB Size=12, RB Offset=11	2	2	20.84	21.51	20.73
		RB Size=25, RB Offset=0	2	2	20.40	20.83	20.56

BW	Modulation	Resource Block Size& Resource Block Offset	Target MPR	Meas MPR	Ave Tx Power (dBm)		
					Low Channel	Mid Channel	High Channel
10M	QPSK	RB Size=1, RB Offset=0	0	0	22.58	22.44	21.94
		RB Size=1, RB Offset=24	0	0	22.42	22.79	21.93
		RB Size=1, RB Offset=49	0	0	22.40	22.38	21.63
		RB Size=25, RB Offset=0	1	1	21.80	22.13	21.40
		RB Size=25, RB Offset=12	1	1	22.06	22.38	21.45
		RB Size=25, RB Offset=24	1	1	21.90	22.34	21.53
		RB Size=50, RB Offset=0	1	1	21.24	21.56	21.01
	16QAM	RB Size=1, RB Offset=0	1	1	22.34	21.97	21.97
		RB Size=1, RB Offset=24	1	1	21.85	21.90	21.52
		RB Size=1, RB Offset=49	1	1	21.82	22.07	21.72
		RB Size=25, RB Offset=0	2	2	21.23	21.70	21.05
		RB Size=25, RB Offset=12	2	2	21.32	21.60	21.05
		RB Size=25, RB Offset=24	2	2	21.37	21.60	21.39
		RB Size=50, RB Offset=0	2	2	20.03	20.66	20.28
15M	QPSK	RB Size=1, RB Offset=0	0	0	22.77	22.96	22.03
		RB Size=1, RB Offset=37	0	0	22.96	23.16	22.30
		RB Size=1, RB Offset=74	0	0	22.75	22.95	22.41
		RB Size=36, RB Offset=0	1	1	21.97	22.15	21.26
		RB Size=36, RB Offset=18	1	1	22.07	22.10	20.92
		RB Size=36, RB Offset=37	1	1	22.13	22.08	21.30
		RB Size=75, RB Offset=0	1	1	21.61	21.42	20.76
	16QAM	RB Size=1, RB Offset=0	1	1	21.93	21.94	22.02
		RB Size=1, RB Offset=37	1	1	22.24	22.04	21.81
		RB Size=1, RB Offset=74	1	1	21.79	21.90	21.33
		RB Size=36, RB Offset=0	2	2	21.00	21.30	21.13
		RB Size=36, RB Offset=18	2	2	20.85	21.33	21.08
		RB Size=36, RB Offset=37	2	2	20.79	21.40	20.96
		RB Size=75, RB Offset=0	2	2	19.96	20.69	20.24
20M	QPSK	RB Size=1, RB Offset=0	0	0	22.53	**22.95**	22.02
		RB Size=1, RB Offset=49	0	0	22.40	22.80	22.10
		RB Size=1, RB Offset=99	0	0	22.75	22.76	22.21
		RB Size=50, RB Offset=0	1	1	**22.35**	22.14	21.38
		RB Size=50, RB Offset=24	1	1	22.07	21.87	21.54
		RB Size=50, RB Offset=49	1	1	22.02	21.46	21.70
		RB Size=100, RB Offset=0	1	1	21.48	20.73	20.66
	16QAM	RB Size=1, RB Offset=0	1	1	22.16	21.61	21.56
		RB Size=1, RB Offset=49	1	1	22.00	22.05	21.57
		RB Size=1, RB Offset=99	1	1	21.68	21.81	21.82
		RB Size=50, RB Offset=0	2	2	21.01	21.09	20.65
		RB Size=50, RB Offset=24	2	2	21.04	21.05	20.54
		RB Size=50, RB Offset=49	2	2	21.06	21.16	20.97
		RB Size=100, RB Offset=0	2	2	20.47	20.88	20.12

LTE Band 17:

BW	Modulation	Resource Block Size& Resource Block Offset	Target MPR	Meas MPR	Ave Tx Power (dBm)		
					Low Channel	Mid Channel	High Channel
5M	QPSK	RB Size=1, RB Offset=0	0	0	23.13	22.69	22.84
		RB Size=1, RB Offset=12	0	0	22.97	22.70	22.67
		RB Size=1, RB Offset=24	0	0	22.81	22.53	22.78
		RB Size=12, RB Offset=0	1	1	22.44	22.32	21.89
		RB Size=12, RB Offset=6	1	1	22.63	22.38	22.22
		RB Size=12, RB Offset=11	1	1	22.41	22.09	22.14
		RB Size=25, RB Offset=0	1	1	21.74	21.48	21.49
	16QAM	RB Size=1, RB Offset=0	1	1	22.30	22.16	22.01
		RB Size=1, RB Offset=12	1	1	22.50	22.17	22.34
		RB Size=1, RB Offset=24	1	1	22.34	22.50	22.12
		RB Size=12, RB Offset=0	2	2	21.48	21.23	20.96
		RB Size=12, RB Offset=6	2	2	21.06	21.49	21.19
		RB Size=12, RB Offset=11	2	2	21.41	21.49	21.12
		RB Size=25, RB Offset=0	2	2	20.79	20.94	20.79
10M	QPSK	RB Size=1, RB Offset=0	0	0	22.78	22.43	22.19
		RB Size=1, RB Offset=24	0	0	22.94	**23.06**	22.49
		RB Size=1, RB Offset=49	0	0	22.84	22.76	22.24
		RB Size=25, RB Offset=0	1	1	22.16	**22.40**	21.72
		RB Size=25, RB Offset=12	1	1	22.24	22.37	21.95
		RB Size=25, RB Offset=24	1	1	22.28	22.28	21.82
		RB Size=50, RB Offset=0	1	1	21.65	21.47	21.25
	16QAM	RB Size=1, RB Offset=0	1	1	22.62	22.21	22.19
		RB Size=1, RB Offset=24	1	1	22.31	21.92	22.01
		RB Size=1, RB Offset=49	1	1	22.25	22.20	22.10
		RB Size=25, RB Offset=0	2	2	21.57	21.83	21.53
		RB Size=25, RB Offset=12	2	2	21.66	21.75	21.41
		RB Size=25, RB Offset=24	2	2	21.73	21.82	21.73
		RB Size=50, RB Offset=0	2	2	20.30	20.85	20.76

Note:

1. SAR for LTE band exposure configurations is measured according to the procedures of KDB 941225 D05 SAR for LTE Devices v02.
2. 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.
3. KDB941225D05v02- SAR for higher order modulation is required only when the highest maximum output power for the configuration in the higher order modulation is > ½ dB higher than the same configuration in QPSK or when the reported SAR for the QPSK configuration is > 1.45 W/kg

Bluetooth:

Mode	Frequency (MHz)	Conducted Output Power (dBm)
BDR(GFSK)	2402	0.29
	2410	4.12
	2441	3.36
	2450	5.34
	2480	4.70
EDR(4-DQPSK)	2402	-0.81
	2410	3.06
	2441	3.16
	2448	4.43
	2480	3.61
EDR-8DPSK	2402	-0.24
	2410	3.41
	2441	3.39
	2450	4.80
	2480	3.78
BT4.0	2402	-3.19
	2440	-2.42
	2480	-1.97

Wi-Fi :

Band	Channel No.	Frequency (MHz)	Conducted Output Power(dBm)
802.11b	1	2412	9.38
	6	2437	9.38
	11	2462	9.42
802.11g	1	2412	9.32
	6	2437	9.54
	11	2462	9.32
802.11n HT20	1	2412	9.35
	6	2437	9.41
	11	2462	9.35
802.11n HT40	1	2422	9.47
	4	2437	**9.45**
	7	2452	9.47

Note:

1. The output power was tested under data rate 1Mbps for 802.11b, 6Mbps for 802.11g, 6.5Mbps for 802.11n HT20, 13.5Mbps for 802.11n HT40.

SAR MEASUREMENT RESULTS

This page summarizes the results of the performed dosimetric evaluation.

SAR Test Data

Environmental Conditions

Temperature:	22-24 ℃
Relative Humidity:	50-55 %
ATM Pressure:	995-1002 mbar

Testing was performed by Lance Li, Hans Zhao, River Rao and Starry Zhang from 2016-10-10 to 2016-10-13

GSM 850:

EUT Position	Frequency (MHz)	Test Mode	Power Drift (%)	Max. Meas. Power (dBm)	Max. Rated Power (dBm)	1g SAR (W/Kg)			
						Scaled Factor	Meas. SAR	Scaled SAR	Plot
Left Head Cheek	824.2	GSM	-3.571	32.93	33.0	1.016	0.194	0.197	1#
	836.6	GSM	4.477	33.00	33.0	1.000	0.247	**0.247**	**2#**
	848.8	GSM	2.778	32.84	33.0	1.038	0.159	0.165	3#
Left Head Tilt	824.2	GSM	/	/	/	/	/	/	/
	836.6	GSM	3.279	33.00	33.0	1.000	0.136	0.136	4#
	848.8	GSM	/	/	/	/	/	/	/
Right Head Cheek	824.2	GSM	/	/	/	/	/	/	/
	836.6	GSM	-2.439	33.00	33.0	1.000	0.197	0.197	5#
	848.8	GSM	/	/	/	/	/	/	/
Right Head Tilt	824.2	GSM	/	/	/	/	/	/	/
	836.6	GSM	-0.776	33.00	33.0	1.000	0.127	0.127	6#
	848.8	GSM	/	/	/	/	/	/	/

Note:

1. When the 1-g SAR is ≤ 0.8W/Kg, testing for other channels are optional.
2. The EUT transmit and receive through the same GSM antenna while testing SAR.
3. 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.

PCS Band:

EUT Position	Frequency (MHz)	Test Mode	Power Drift (%)	Max. Meas. Power (dBm)	Max. Rated Power (dBm)	1g SAR (W/Kg)			
						Scaled Factor	Meas. SAR	Scaled SAR	Plot
Left Head Cheek	1850.2	GSM	-2.648	29.40	29.80	1.096	0.312	0.342	7#
	1880	GSM	-1.657	29.47	29.80	1.079	0.335	**0.361**	**8#**
	1909.8	GSM	-2.347	29.59	29.80	1.050	0.294	0.309	9#
Left Head Tilt	1850.2	GSM	/	/	/	/	/	/	/
	1880	GSM	-3.617	29.47	29.80	1.079	0.181	0.195	10#
	1909.8	GSM	/	/	/	/	/	/	/
Right Head Cheek	1850.2	GSM	/	/	/	/	/	/	/
	1880	GSM	-2.748	29.47	29.80	1.079	0.271	0.292	11#
	1909.8	GSM	/	/	/	/	/	/	/
Right Head Tilt	1850.2	GSM	/	/	/	/	/	/	/
	1880	GSM	-1.795	29.47	29.80	1.079	0.178	0.192	12#
	1909.8	GSM							/

Note:

1. When the 1-g SAR is ≤ 0.8W/Kg, testing for other channels are optional.
2. The EUT transmit and receive through the same GSM antenna while testing SAR.
3. 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.

WCDMA 850 Band:

EUT Position	Frequency (MHz)	Test Mode	Power Drift (%)	Max. Meas. Power (dBm)	Max. Rated Power (dBm)	1g SAR (W/Kg)			
						Scaled Factor	Meas. SAR	Scaled SAR	Plot
Left Head Cheek	826.4	RMC	1.614	22.45	22.8	1.084	0.055	**0.060**	**13#**
	836.6	RMC	-0.698	22.48	22.8	1.076	0.052	0.056	14#
	846.6	RMC	-3.348	22.77	22.8	1.007	0.048	0.048	15#
Left Head Tilt	826.4	RMC	/	/	/	/	/	/	/
	836.6	RMC	-0.231	22.48	22.8	1.076	0.031	0.033	16#
	846.6	RMC	/	/	/	/	/	/	/
Right Head Cheek	826.4	RMC	/	/	/	/	/	/	/
	836.6	RMC	-2.944	22.48	22.8	1.076	0.048	0.052	17#
	846.6	RMC	/	/	/	/	/	/	/
Right Head Tilt	826.4	RMC	/	/	/	/	/	/	/
	836.6	RMC	4.287	22.48	22.8	1.076	0.040	0.043	18#
	846.6	RMC	/	/	/	/	/	/	/

WCDMA 1700 Band:

EUT Position	Frequency (MHz)	Test Mode	Power Drift (%)	Max. Meas. Power (dBm)	Max. Rated Power (dBm)	1g SAR (W/Kg)			
						Scaled Factor	Meas. SAR	Scaled SAR	Plot
Left Head Cheek	1712.4	RMC	/	/	/	/	/	/	/
	1732.6	RMC	3.119	22.88	22.90	1.005	0.298	0.299	19#
	1752.6	RMC	/	/	/	/	/	/	/
Left Head Tilt	1712.4	RMC	/	/	/	/	/	/	/
	1732.6	RMC	-4.258	22.88	22.90	1.005	0.151	0.152	20#
	1752.6	RMC	/	/	/	/	/	/	/
Right Head Cheek	1712.4	RMC	-4.136	22.70	22.90	1.047	0.287	0.300	21#
	1732.6	RMC	-1.654	22.88	22.90	1.005	0.304	**0.306**	**22#**
	1752.6	RMC	-2.214	22.29	22.90	1.151	0.226	0.260	23#
Right Head Tilt	1712.4	RMC	/	/	/	/	/	/	/
	1732.6	RMC	-4.495	22.88	22.90	1.005	0.148	0.149	24#
	1752.6	RMC	/	/	/	/	/	/	/

WCDMA 1900 Band:

EUT Position	Frequency (MHz)	Test Mode	Power Drift (%)	Max. Meas. Power (dBm)	Max. Rated Power (dBm)	1g SAR (W/Kg)			
						Scaled Factor	Meas. SAR	Scaled SAR	Plot
Left Head Cheek	1852.4	RMC	/	/	/	/	/	/	/
	1880	RMC	2.639	22.85	22.90	1.012	0.106	0.107	25#
	1907.6	RMC	/	/	/	/	/	/	/
Left Head Tilt	1852.4	RMC	/	/	/	/	/	/	/
	1880	RMC	-3.947	22.85	22.90	1.012	0.065	0.066	26#
	1907.6	RMC	/	/	/	/	/	/	/
Right Head Cheek	1852.4	RMC	-2.116	22.77	22.90	1.030	0.115	0.118	27#
	1880	RMC	-0.944	22.85	22.90	1.012	0.145	**0.147**	**28#**
	1907.6	RMC	-4.197	22.80	22.90	1.023	0.096	0.098	29#
Right Head Tilt	1852.4	RMC	/	/	/	/	/	/	/
	1880	RMC	-3.486	22.85	22.90	1.012	0.058	0.059	30#
	1907.6	RMC	/	/	/	/	/	/	/

Note:

1. When the 1-g SAR is≤ 0.8W/Kg, testing for other channels are optional.
2. 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.
3. KDB 941225 D01-Body SAR is not required for HSDPA/HSUPA/DC-HSPA/HSPA+ when the maximum average output of each RF channel is less than ¼ dB higher than measured 12.2kbps RMC or the maximum SAR for 12.2kbps RMC is < 75% of SAR limit.

LTE Band 2:

EUT Position	Frequency (MHz)	Bandwith（MHz）	Test Mode	Power Drift (%)	Max. Meas. Power (dBm)	Max. Rated Power (dBm)	1g SAR (W/Kg)			
							Scaled Factor	Meas. SAR	Scaled SAR	Plot
Left Head Cheek	1860	20	1RB, Offset=99	/	/	/	/	/	/	/
	1880	20	1RB, Offset=99	/	/	/	/	/	/	/
	1900	20	1RB, Offset=99	-4.795	22.72	22.80	1.019	0.195	**0.199**	**31#**
	1860	20	50%RB,	-2.446	22.66	22.80	1.033	0.168	0.174	32#
Left Head Tilt	1860	20	1RB, Offset=99	/	/	/	/	/	/	/
	1880	20	1RB, Offset=99	/	/	/	/	/	/	/
	1900	20	1RB, Offset=99	-3.476	22.72	22.80	1.019	0.089	0.091	33#
	1860	20	50%RB,	-2.663	22.66	22.80	1.033	0.077	0.080	34#
Right Head Cheek	1860	20	1RB, Offset=99	/	/	/	/	/	/	/
	1880	20	1RB, Offset=99	/	/	/	/	/	/	/
	1900	20	1RB, Offset=99	-1.196	22.72	22.80	1.019	0.155	0.158	35#
	1860	20	50%RB,	-3.332	22.66	22.80	1.033	0.147	0.152	36#
Right Head Tilt	1860	20	1RB, Offset=99	/	/	/	/	/	/	/
	1880	20	1RB, Offset=99	/	/	/	/	/	/	/
	1900	20	1RB, Offset=99	-4.068	22.72	22.80	1.019	0.102	0.104	37#
	1860	20	50%RB,	-3.674	22.66	22.80	1.033	0.092	0.095	38#

LTE Band 4:

EUT Position	Frequency (MHz)	Bandwith（MHz）	Test Mode	Power Drift (%)	Max. Meas. Power (dBm)	Max. Rated Power (dBm)	1g SAR (W/Kg)			
							Scaled Factor	Meas. SAR	Scaled SAR	Plot
Left Head Cheek	1720	20	1RB, Offset=99	/	/	/	/	/	/	/
	1732.5	20	1RB, Offset=99	/	/	/	/	/	/	/
	1745	20	1RB, Offset=99	-4.262	23.08	23.10	1.005	0.396	**0.398**	**39#**
	1720	20	50%RB, Offset=49	-2.367	22.32	22.50	1.042	0.352	0.367	40#
Left Head Tilt	1720	20	1RB, Offset=99	/	/	/	/	/	/	/
	1732.5	20	1RB, Offset=99	/	/	/	/	/	/	/
	1745	20	1RB, Offset=99	-2.697	23.08	23.10	1.005	0.204	0.205	41#
	1720	20	50%RB, Offset=49	-3.186	22.32	22.50	1.042	0.185	0.193	42#
Right Head Cheek	1720	20	1RB, Offset=99	/	/	/	/	/	/	/
	1732.5	20	1RB, Offset=99	/	/	/	/	/	/	/
	1745	20	1RB, Offset=99	-2.226	23.08	23.10	1.005	0.344	0.346	43#
	1720	20	50%RB,	-2.778	22.32	22.50	1.042	0.298	0.311	44#
Right Head Tilt	1720	20	1RB, Offset=99	/	/	/	/	/	/	/
	1732.5	20	1RB, Offset=99	/	/	/	/	/	/	/
	1745	20	1RB, Offset=99	-3.765	23.08	23.10	1.005	0.169	0.170	45#
	1720	20	50%RB, Offset=49	-0.859	22.32	22.50	1.042	0.148	0.154	46#

LTE Band 5:

EUT Position	Frequency (MHz)	Bandwith（MHz）	Test Mode	Power Drift (%)	Max. Meas. Power (dBm)	Max. Rated Power (dBm)	1g SAR (W/Kg)			
							Scaled Factor	Meas. SAR	Scaled SAR	Plot
Left Head Cheek	829	10	1RB, Offset=24	/	/	/	/	/	/	/
	836.5	10	1RB, Offset=24	-2.641	23.04	23.10	1.014	0.095	**0.096**	**47#**
	844	10	1RB, Offset=24	/	/	/	/	/	/	/
	836.5	10	50%RB, Offset=12	-1.528	22.53	22.60	1.016	0.074	0.075	48#
Left Head Tilt	829	10	1RB, Offset=24	/	/	/	/	/	/	/
	836.5	10	1RB, Offset=24	-1.948	23.04	23.10	1.014	0.046	0.047	49#
	844	10	1RB, Offset=24	/	/	/	/	/	/	/
	836.5	10	50%RB, Offset=12	-2.889	22.53	22.60	1.016	0.044	0.045	50#
Right Head Cheek	829	10	1RB, Offset=24	/	/	/	/	/	/	/
	836.5	10	1RB, Offset=24	-3.336	23.04	23.10	1.014	0.068	0.069	51#
	844	10	1RB, Offset=24	/	/	/	/	/	/	/
	836.5	10	50%RB, Offset=12	-0.887	22.53	22.60	1.016	0.070	0.071	52#
Right Head Tilt	829	10	1RB, Offset=24	/	/	/	/	/	/	/
	836.5	10	1RB, Offset=24	-0.639	23.04	23.10	1.014	0.043	0.044	53#
	844	10	1RB, Offset=24	/	/	/	/	/	/	/
	836.5	10	50%RB, Offset=12	-3.987	22.53	22.60	1.016	0.050	0.051	54#

LTE Band 17:

EUT Position	Frequency (MHz)	Bandwith（MHz）	Test Mode	Power Drift (%)	Max. Meas. Power (dBm)	Max. Rated Power (dBm)	1g SAR (W/Kg)			
							Scaled Factor	Meas. SAR	Scaled SAR	Plot
Left Head Cheek	709	10	1RB, Offset=24	/	/	/	/	/	/	/
	710	10	1RB, Offset=24	-1.818	23.06	23.1	1.009	0.158	**0.159**	**55#**
	711	10	1RB, Offset=24	/	/	/	/	/	/	/
	710	10	50%RB, Offset=24	-3.226	22.40	22.5	1.023	0.129	0.132	56#
Left Head Tilt	709	10	1RB, Offset=24	/	/	/	/	/	/	/
	710	10	1RB, Offset=24	2.778	23.06	23.1	1.009	0.086	0.087	57#
	711	10	1RB, Offset=24	/	/	/	/	/	/	/
	710	10	50%RB, Offset=24	4.082	22.40	22.5	1.023	0.082	0.084	58#
Right Head Cheek	709	10	1RB, Offset=24	/	/	/	/	/	/	/
	710	10	1RB, Offset=24	-0.899	23.06	23.1	1.009	0.143	0.144	59#
	711	10	1RB, Offset=24	/	/	/	/	/	/	/
	710	10	50%RB, Offset=24	2.439	22.40	22.5	1.023	0.127	0.130	60#
Right Head Tilt	709	10	1RB, Offset=24	/	/	/	/	/	/	/
	710	10	1RB, Offset=24	2.298	23.06	23.1	1.009	0.080	0.081	61#
	711	10	1RB, Offset=24	/	/	/	/	/	/	/
	710	10	50%RB, Offset=24	-3.985	22.40	22.5	1.023	0.088	0.090	62#

Note:

1. When the 1-g SAR is ≤ 0.8W/Kg, 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 > ½ 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 (20M) 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. Worst case SAR for 50% RB allocation is selected to be tested.

Mobile Hot-Spot Test Result

The DUT is capable of functioning as a Wi-Fi to Cellular Mobile hotspot. Additional SAR testing was performed according to KDB 941225 D06. Testing was performed with a separation of 1cm between the DUT and the flat phantom. The DUT was positioned for SAR tests with the front and back surfaces facing the phantom, and also with the edges facing the phantom in which the transmitting antenna is <2.5 cm from the edge. Each transmit band was utilized for SAR testing. The tested mode has been selected within each band that exhibits the highest time average output power.

Hot spot-GPRS (Frequency Band: 850)

EUT Position	Frequency (MHz)	Test Mode	Power Drift (%)	Max. Meas. Power (dBm)	Max. Rated Power (dBm)	1g SAR (W/Kg)			
						Scaled Factor	Meas. SAR	Scaled SAR	Plot
Body-Back-Headset (10mm)	824.2	GSM	/	/	/	/	/	/	/
	836.6	GSM	-3.998	33.00	33.0	1.000	0.169	0.169	63#
	848.8	GSM	/	/	/	/	/	/	/
Body-Back (10mm)	824.2	GPRS	2.974	28.73	28.9	1.040	0.298	0.310	64#
	836.6	GPRS	-3.873	28.70	28.9	1.047	0.343	**0.359**	**65#**
	848.8	GPRS	3.614	28.86	28.9	1.009	0.274	0.276	66#
Body-Left (10mm)	824.2	GPRS	/	/	/	/	/	/	/
	836.6	GPRS	-2.825	28.70	28.9	1.047	0.219	0.229	67#
	848.8	GPRS	/	/	/	/	/	/	/
Body-Right (10mm)	824.2	GPRS	/	/	/	/	/	/	/
	836.6	GPRS	-2.817	28.70	28.9	1.047	0.145	0.152	68#
	848.8	GPRS	/	/	/	/	/	/	/
Body-Bottom (10mm)	824.2	GPRS	/	/	/	/	/	/	/
	836.6	GPRS	3.608	28.70	28.9	1.047	0.317	0.332	69#
	848.8	GPRS	/	/	/	/	/	/	/

Note:

1 .When the 1-g SAR is ≤ 0.8W/Kg, testing for other channels are optional.
2. The Multi-slot Classes of EUT is Class12 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.
3. The EUT transmit and receive through the same GSM antenna while testing SAR.

Hot spot-GPRS (Frequency Band: 1900)

EUT Position	Frequency (MHz)	Test Mode	Power Drift (%)	Max. Meas. Power (dBm)	Max. Rated Power (dBm)	1g SAR (W/Kg)			
						Scaled Factor	Meas. SAR	Scaled SAR	Plot
Body-Back-Headset (10mm)	1850.2	GSM	/	/	/	/	/	/	/
	1880.0	GSM	2.294	29.47	29.80	1.079	0.245	0.264	70#
	1909.8	GSM	/	/	/	/	/	/	/
Body-Back (10mm)	1850.2	GPRS	-3.086	26.15	26.2	1.012	0.457	**0.462**	**71#**
	1880.0	GPRS	2.685	25.84	26.2	1.086	0.412	0.447	72#
	1909.8	GPRS	4.808	26.01	26.2	1.045	0.268	0.280	73#
Body-Left (10mm)	1850.2	GPRS	/	/	/	/	/	/	/
	1880.0	GPRS	-2.299	25.84	26.2	1.086	0.295	0.320	74#
	1909.8	GPRS	/	/	/	/	/	/	/
Body-Right (10mm)	1850.2	GPRS	/	/	/	/	/	/	/
	1880.0	GPRS	4.348	25.84	26.2	1.086	0.117	0.127	75#
	1909.8	GPRS	/	/	/	/	/	/	/
Body-Bottom (10mm)	1850.2	GPRS	/	/	/	/	/	/	/
	1880.0	GPRS	-2.527	25.84	26.2	1.086	0.352	0.382	76#
	1909.8	GPRS	/	/	/	/	/	/	/

Note:

1 .When the 1-g SAR is ≤ 0.8W/Kg, testing for other channels are optional.

2. The EUT is a Capability Class B mobile phone which can be attached to both GPRS and GSM services.

3. The Multi-slot Classes of EUT is Class12 which has maximum 4 Downlink slots and 4 Uplink slots, the maximum active slots is 5, when perform the multiple slots scan, 2DL+3UL is the worst case.

Hot Spot-WCDMA 850 Band

EUT Position	Frequency (MHz)	Test Mode	Power Drift (%)	Max. Meas. Power (dBm)	Max. Rated Power (dBm)	1g SAR (W/Kg)			
						Scaled Factor	Meas. SAR	Scaled SAR	Plot
Body-Back (10mm)	826.4	RMC	1.176	22.45	22.8	1.084	0.104	0.113	77#
	836.6	RMC	-2.632	22.48	22.8	1.076	0.124	**0.133**	**78#**
	846.6	RMC	-4.395	22.77	22.8	1.007	0.084	0.085	79#
Body-Left (10mm)	826.4	RMC	/	/	/	/	/	/	/
	836.6	RMC	1.961	22.48	22.8	1.076	0.072	0.077	80#
	846.6	RMC	/	/	/	/	/	/	/
Body-Right (10mm)	826.4	RMC	/	/	/	/	/	/	/
	836.6	RMC	-0.635	22.48	22.8	1.076	0.031	0.033	81#
	846.6	RMC	/	/	/	/	/	/	/
Body-Bottom (10mm)	826.4	RMC	/	/	/	/	/	/	/
	836.6	RMC	4.878	22.48	22.8	1.076	0.066	0.071	82#
	846.6	RMC	/	/	/	/	/	/	/

Hot Spot-WCDMA 1700 Band

EUT Position	Frequency (MHz)	Test Mode	Power Drift (%)	Max. Meas. Power (dBm)	Max. Rated Power (dBm)	1g SAR (W/Kg)			
						Scaled Factor	Meas. SAR	Scaled SAR	Plot
Body-Back (10mm)	1712.4	RMC	1.840	22.70	22.90	1.047	0.577	0.604	83#
	1732.6	RMC	2.168	22.88	22.90	1.005	0.556	0.559	84#
	1752.6	RMC	-2.736	22.29	22.90	1.151	0.526	**0.605**	**85#**
Body-Left (10mm)	1712.4	RMC	/	/	/	/	/	/	/
	1732.6	RMC	-4.443	22.88	22.90	1.005	0.302	0.304	86#
	1752.6	RMC	/	/	/	/	/	/	/
Body-Right (10mm)	1712.4	RMC	/	/	/	/	/	/	/
	1732.6	RMC	2.182	22.88	22.90	1.005	0.326	0.328	87#
	1752.6	RMC	/	/	/	/	/	/	/
Body-Bottom (10mm)	1712.4	RMC	/	/	/	/	/	/	/
	1732.6	RMC	-1.712	22.88	22.90	1.005	0.329	0.331	88#
	1752.6	RMC	/	/	/	/	/	/	/

Hot Spot-WCDMA 1900 Band

EUT Position	Frequency (MHz)	Test Mode	Power Drift (%)	Max. Meas. Power (dBm)	Max. Rated Power (dBm)	1g SAR (W/Kg)			
						Scaled Factor	Meas. SAR	Scaled SAR	Plot
Body-Back (10mm)	1852.4	RMC	-2.655	22.77	22.90	1.030	0.539	0.555	89#
	1880.0	RMC	2.273	22.85	22.90	1.012	0.575	**0.582**	**90#**
	1907.6	RMC	-3.158	22.80	22.90	1.023	0.412	0.421	91#
Body-Left (10mm)	1852.4	RMC	/	/	/	/	/	/	/
	1880.0	RMC	-1.984	22.85	22.90	1.012	0.375	0.380	92#
	1907.6	RMC	/	/	/	/	/	/	/
Body-Right (10mm)	1852.4	RMC	/	/	/	/	/	/	/
	1880.0	RMC	-2.586	22.85	22.90	1.012	0.239	0.242	93#
	1907.6	RMC	/	/	/	/	/	/	/
Body-Bottom (10mm)	1852.4	RMC	/	/	/	/	/	/	/
	1880.0	RMC	3.692	22.85	22.90	1.012	0.402	0.407	94#
	1907.6	RMC	/	/	/	/	/	/	/

Note:
1. When the 1-g SAR is ≤0.8W/Kg, testing for other channels are optional.
2. The default test configuration is to measure SA R with an established radio link between the EUT and a communication test set using a 12.2 kbps RMC (refere nce measurement Channel) Configured in Test Loop Model.

Hot Spot-LTE Band 2

EUT Position	Frequency (MHz)	Bandwith（MHz）	Test Mode	Power Drift (%)	Max. Meas. Power (dBm)	Max. Rated Power (dBm)	1g SAR (W/Kg)			
							Scaled Factor	Meas. SAR	Scaled SAR	Plot
Body-Back (10mm)	1860	20	1RB, Offset=99	/	/	/	/	/	/	/
	1880	20	1RB, Offset=99	/	/	/	/	/	/	/
	1900	20	1RB, Offset=99	-4.183	22.72	22.80	1.019	0.319	**0.325**	**95#**
	1860	20	50%RB, Offset=49	-2.609	22.66	22.80	1.033	0.287	0.296	96#
Body-Left (10mm)	1860	20	1RB, Offset=99	/	/	/	/	/	/	/
	1880	20	1RB, Offset=99	/	/	/	/	/	/	/
	1900	20	1RB, Offset=99	2.128	22.72	22.80	1.019	0.256	0.261	97#
	1860	20	50%RB, Offset=49	2.857	22.66	22.80	1.033	0.227	0.234	98#
Body-Right (10mm)	1860	20	1RB, Offset=99	/	/	/	/	/	/	/
	1880	20	1RB, Offset=99	/	/	/	/	/	/	/
	1900	20	1RB, Offset=99	-1.267	22.72	22.80	1.019	0.224	0.228	99#
	1860	20	50%RB, Offset=49	3.681	22.66	22.80	1.033	0.213	0.220	100#
Body-Bottom (10mm)	1860	20	1RB, Offset=99	/	/	/	/	/	/	/
	1880	20	1RB, Offset=99	/	/	/	/	/	/	/
	1900	20	1RB, Offset=99	2.092	22.72	22.80	1.019	0.308	0.314	101#
	1860	20	50%RB, Offset=49	-4.294	22.66	22.80	1.033	0.295	0.305	102#

Hot Spot-LTE Band 4

EUT Position	Frequency (MHz)	Bandwith（MHz）	Test Mode	Power Drift (%)	Max. Meas. Power (dBm)	Max. Rated Power (dBm)	1g SAR (W/Kg)			
							Scaled Factor	Meas. SAR	Scaled SAR	Plot
Body-Back (10mm)	1720	20	1RB, Offset=99	/	/	/	/	/	/	/
	1732.5	20	1RB, Offset=99	/	/	/	/	/	/	/
	1745	20	1RB, Offset=99	-1.797	23.08	23.10	1.005	0.498	**0.500**	**103#**
	1720	20	50%RB, Offset=49	3.788	22.32	22.50	1.042	0.476	0.496	104#
Body-Left (10mm)	1720	20	1RB, Offset=99	/	/	/	/	/	/	/
	1732.5	20	1RB, Offset=99	/	/	/	/	/	/	/
	1745	20	1RB, Offset=99	-2.643	23.08	23.10	1.005	0.298	0.299	105#
	1720	20	50%RB, Offset=49	-4.745	22.32	22.50	1.042	0.285	0.297	106#
Body-Right (10mm)	1720	20	1RB, Offset=99	/	/	/	/	/	/	/
	1732.5	20	1RB, Offset=99	/	/	/	/	/	/	/
	1745	20	1RB, Offset=99	3.902	23.08	23.10	1.005	0.260	0.261	107#
	1720	20	50%RB, Offset=49	4.082	22.32	22.50	1.042	0.272	0.283	108#
Body-Bottom (10mm)	1720	20	1RB, Offset=99	/	/	/	/	/	/	/
	1732.5	20	1RB, Offset=99	/	/	/	/	/	/	/
	1745	20	1RB, Offset=99	-1.798	23.08	23.10	1.005	0.327	0.329	109#
	1720	20	50%RB, Offset=49	-2.756	22.32	22.50	1.042	0.308	0.321	110#

Hot Spot-LTE Band 5

EUT Position	Frequency (MHz)	Bandwith（MHz）	Test Mode	Power Drift (%)	Max. Meas. Power (dBm)	Max. Rated Power (dBm)	1g SAR (W/Kg)			
							Scaled Factor	Meas. SAR	Scaled SAR	Plot
Body-Back (10mm)	829	10	1RB, Offset=24	/	/	/	/	/	/	/
	836.5	10	1RB, Offset=24	-2.127	23.04	23.10	1.014	0.136	**0.138**	**111#**
	844	10	1RB, Offset=24	/	/	/	/	/	/	/
	836.5	10	50%RB, Offset=12	-4.902	22.53	22.60	1.016	0.119	0.121	112#
Body-Left (10mm)	829	10	1RB, Offset=24	/	/	/	/	/	/	/
	836.5	10	1RB, Offset=24	-1.516	23.04	23.10	1.014	0.102	0.103	113#
	844	10	1RB, Offset=24	/	/	/	/	/	/	/
	836.5	10	50%RB, Offset=12	-4.001	22.53	22.60	1.016	0.097	0.099	114#
Body-Right (10mm)	829	10	1RB, Offset=24	/	/	/	/	/	/	/
	836.5	10	1RB, Offset=24	-0.654	23.04	23.10	1.014	0.061	0.062	115#
	844	10	1RB, Offset=24	/	/	/	/	/	/	/
	836.5	10	50%RB, Offset=12	2.502	22.53	22.60	1.016	0.068	0.069	116#
Body-Bottom (10mm)	829	10	1RB, Offset=24	/	/	/	/	/	/	/
	836.5	10	1RB, Offset=24	3.947	23.04	23.10	1.014	0.091	0.092	117#
	844	10	1RB, Offset=24	/	/	/	/	/	/	/
	836.5	10	50%RB, Offset=12	1.695	22.53	22.60	1.016	0.087	0.088	118#

Hot Spot-LTE Band 17

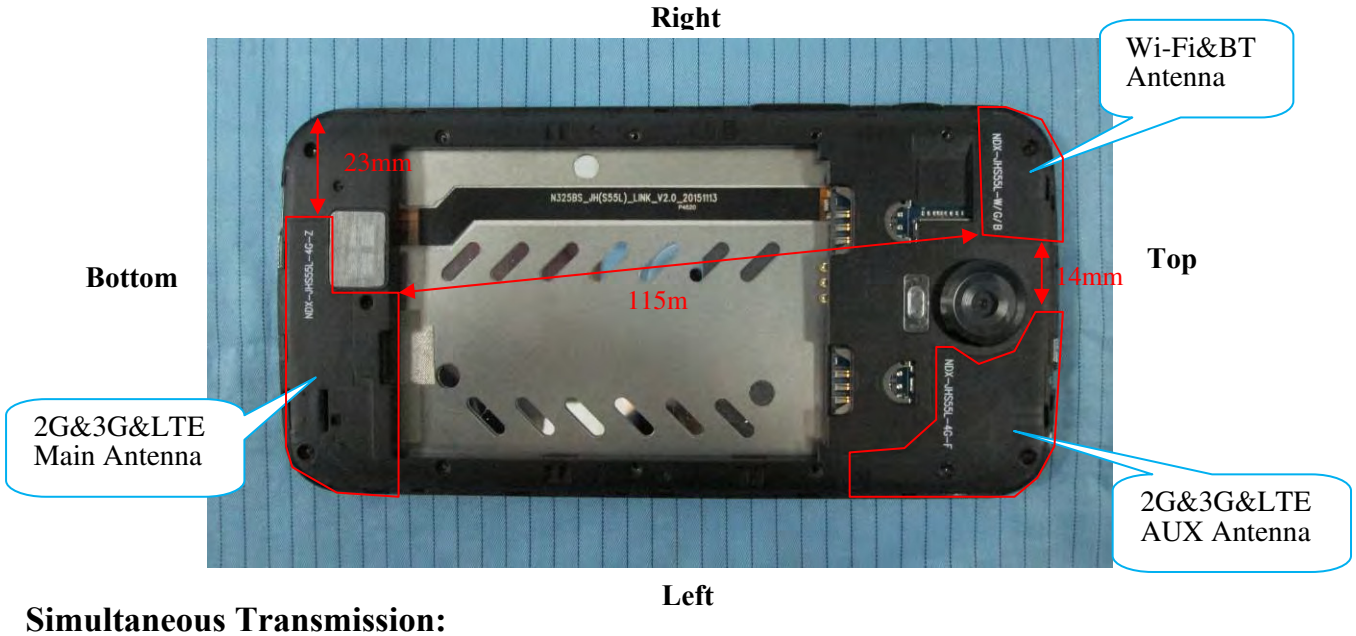
EUT Position	Frequency (MHz)	Bandwith（MHz）	Test Mode	Power Drift (%)	Max. Meas. Power (dBm)	Max. Rated Power (dBm)	1g SAR (W/Kg)			
							Scaled Factor	Meas. SAR	Scaled SAR	Plot
Body-Back (10mm)	709	10	1RB, Offset=24	/	/	/	/	/	/	/
	710	10	1RB, Offset=24	-2.299	23.06	23.1	1.009	0.235	**0.237**	**119#**
	711	10	1RB, Offset=24	/	/	/	/	/	/	/
	710	10	50%RB, Offset=24	-3.590	22.40	22.5	1.023	0.219	0.224	120#
Body-Left (10mm)	709	10	1RB, Offset=24	/	/	/	/	/	/	/
	710	10	1RB, Offset=24	-3.788	23.06	23.1	1.009	0.162	0.163	121#
	711	10	1RB, Offset=24	/	/	/	/	/	/	/
	710	10	50%RB, Offset=24	2.609	22.40	22.5	1.023	0.146	0.149	122#
Body-Right (10mm)	709	10	1RB, Offset=24	/	/	/	/	/	/	/
	710	10	1RB, Offset=24	-1.219	23.06	23.1	1.009	0.108	0.109	123#
	711	10	1RB, Offset=24	/	/	/	/	/	/	/
	710	10	50%RB, Offset=24	4.615	22.40	22.5	1.023	0.097	0.099	124#
Body-Bottom (10mm)	709	10	1RB, Offset=24	/	/	/	/	/	/	/
	710	10	1RB, Offset=24	4.444	23.06	23.1	1.009	0.113	0.114	125#
	711	10	1RB, Offset=24	/	/	/	/	/	/	/
	710	10	50%RB, Offset=24	2.597	22.40	22.5	1.023	0.095	0.097	126#

Note:

1. When the 1-g SAR is ≤ 0.8W/Kg, 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 > ½ 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 (20M) 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. Worst case SAR for 50% RB allocation is selected to be tested.

SAR SIMULTANEOUS TRANSMISSION DESCRIPTION

BT& Wi-Fi and LTE&GSM&3G Antennas Location:



Simultaneous Transmission:

Description of Simultaneous Transmit Capabilities			Antennas Distance (mm)
Transmitter Combination	Simultaneous?	Hotspot?	
GSM + WCDMA	×	×	0
GSM + LTE	×	×	0
GSM + Bluetooth	√	×	115
GSM + Wi-Fi	√	√	115
WCDMA + LTE	×	×	0
WCDMA + Bluetooth	√	×	115
WCDMA + Wi-Fi	√	√	115
LTE+ Bluetooth	√	×	115
LTE+ Wi-Fi	√	√	115

Standalone SAR test exclusion considerations

Mode	Position	Max tune-up power		Distance (mm)	Calculated value	Threshold (1-g)	SAR Test Exclusion
		(dBm)	(mW)				
Wi-Fi	Head	9.50	8.913	0	2.8	3.0	Yes
Bluetooth		5.40	3.467	0	1.1		
Wi-Fi	Body	9.50	8.913	10	1.4		
Bluetooth		5.40	3.467	10	0.6		

The 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at *test separation distances* ≤ 50 mm 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.

Standalone SAR estimation:

Mode	Distance (mm)	Max tune-up power		Estimated $_{1-g}$ (W/kg)
		(dBm)	(mW)	
BT Head	0	5.40	3.467	0.146
BT Body	10	5.40	3.467	0.073
Wi-Fi Head	0	9.50	8.913	0.374
Wi-Fi Body	10	9.50	8.913	0.187

When standalone SAR test exclusion applies to an antenna that transmits simultaneously with other antennas, the standalone SAR must be estimated according to following to determine simultaneous transmission SAR test exclusion:

[(*max. power of channel, including* ***tune-up tolerance****, mW*)/(*min. test separation distance,mm*)]·[√f(GHz)/*x*] W/kg for *test separation distances* ≤ 50 mm;

where $x = 7.5$ for 1-g SAR.

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

Simultaneous SAR test exclusion considerations:

GSM with BT:

Mode	Position	Reported SAR (W/kg)		ΣSAR
		GSM	BT	< 1.6W/kg
GSM 850	Left Head Cheek	0.247	0.146	0.393
	Left Head Tilt	0.136	0.146	0.282
	Right Head Cheek	0.197	0.146	0.343
	Right Head Tilt	0.127	0.146	0.273
	Body–Headset-Back	0.169	0.073	0.242
PCS 1900	Left Head Cheek	0.361	0.146	0.507
	Left Head Tilt	0.195	0.146	0.341
	Right Head Cheek	0.292	0.146	0.438
	Right Head Tilt	0.192	0.146	0.338
	Body–Headset-Back	0.264	0.073	0.337

WCDMA with BT:

Mode	Position	Reported SAR (W/kg)		ΣSAR
		WCDMA	BT	< 1.6W/kg
WCDMA 850	Left Head Cheek	0.060	0.146	0.206
	Left Head Tilt	0.033	0.146	0.179
	Right Head Cheek	0.052	0.146	0.198
	Right Head Tilt	0.043	0.146	0.189
WCDMA 1700	Left Head Cheek	0.299	0.146	0.445
	Left Head Tilt	0.152	0.146	0.298
	Right Head Cheek	0.306	0.146	0.452
	Right Head Tilt	0.149	0.146	0.295
WCDMA 1900	Left Head Cheek	0.107	0.146	0.253
	Left Head Tilt	0.066	0.146	0.212
	Right Head Cheek	0.147	0.146	0.293
	Right Head Tilt	0.059	0.146	0.205

LTE with BT:

Mode	Position	Reported SAR (W/kg)		ΣSAR
		LTE	BT	< 1.6W/kg
LTE Band 2	Left Head Cheek	0.199	0.146	0.345
	Left Head Tilt	0.091	0.146	0.237
	Right Head Cheek	0.158	0.146	0.304
	Right Head Tilt	0.104	0.146	0.250
LTE Band 4	Left Head Cheek	0.398	0.146	0.544
	Left Head Tilt	0.205	0.146	0.351
	Right Head Cheek	0.346	0.146	0.492
	Right Head Tilt	0.170	0.146	0.316
LTE Band 5	Left Head Cheek	0.096	0.146	0.242
	Left Head Tilt	0.047	0.146	0.193
	Right Head Cheek	0.071	0.146	0.217
	Right Head Tilt	0.051	0.146	0.197
LTE Band 7	Left Head Cheek	0.064	0.146	0.210
	Left Head Tilt	0.031	0.146	0.177
	Right Head Cheek	0.087	0.146	0.233
	Right Head Tilt	0.029	0.146	0.175
LTE Band 17	Left Head Cheek	0.159	0.146	0.305
	Left Head Tilt	0.087	0.146	0.233
	Right Head Cheek	0.144	0.146	0.290
	Right Head Tilt	0.090	0.146	0.236

GSM with Wi-Fi:

Mode	Position	Reported SAR (W/kg)		ΣSAR
		GSM	Wi-Fi	< 1.6W/kg
GSM 850	Left Head Cheek	0.247	0.374	0.621
	Left Head Tilt	0.136	0.374	0.510
	Right Head Cheek	0.197	0.374	0.571
	Right Head Tilt	0.127	0.374	0.501
	Body–Headset-Back	0.169	0.187	0.356
PCS 1900	Left Head Cheek	0.361	0.374	0.735
	Left Head Tilt	0.195	0.374	0.569
	Right Head Cheek	0.292	0.374	0.666
	Right Head Tilt	0.192	0.374	0.566
	Body–Headset-Back	0.264	0.187	0.451

WCDMA with Wi-Fi:

Mode	Position	Reported SAR (W/kg)		ΣSAR
		WCDMA	Wi-Fi	< 1.6W/kg
WCDMA 850	Left Head Cheek	0.060	0.374	0.434
	Left Head Tilt	0.033	0.374	0.407
	Right Head Cheek	0.052	0.374	0.426
	Right Head Tilt	0.043	0.374	0.417
WCDMA 1700	Left Head Cheek	0.299	0.374	0.673
	Left Head Tilt	0.152	0.374	0.526
	Right Head Cheek	0.306	0.374	0.680
	Right Head Tilt	0.149	0.374	0.523
WCDMA 1900	Left Head Cheek	0.107	0.374	0.481
	Left Head Tilt	0.066	0.374	0.440
	Right Head Cheek	0.147	0.374	0.521
	Right Head Tilt	0.059	0.374	0.433

LTE with Wi-Fi:

Mode	Position	Reported SAR (W/kg)		ΣSAR
		LTE	Wi-Fi	< 1.6W/kg
LTE Band 2	Left Head Cheek	0.199	0.374	0.573
	Left Head Tilt	0.091	0.374	0.465
	Right Head Cheek	0.158	0.374	0.532
	Right Head Tilt	0.104	0.374	0.478
LTE Band 4	Left Head Cheek	0.398	0.374	**0.772**
	Left Head Tilt	0.205	0.374	0.579
	Right Head Cheek	0.346	0.374	0.720
	Right Head Tilt	0.170	0.374	0.544
LTE Band 5	Left Head Cheek	0.096	0.374	0.470
	Left Head Tilt	0.047	0.374	0.421
	Right Head Cheek	0.071	0.374	0.445
	Right Head Tilt	0.051	0.374	0.425
LTE Band 5	Left Head Cheek	0.064	0.374	0.438
	Left Head Tilt	0.031	0.374	0.405
	Right Head Cheek	0.087	0.374	0.461
	Right Head Tilt	0.029	0.374	0.403
LTE Band 17	Left Head Cheek	0.159	0.374	0.533
	Left Head Tilt	0.087	0.374	0.461
	Right Head Cheek	0.144	0.374	0.518
	Right Head Tilt	0.090	0.374	0.464

Evaluations for Simultaneous SAR, BT+GSM/3G/4G					
Test Position	Body-Back (1.0cm)	Body-Left (1.0cm)	Body-Right (1.0cm)	Body-Bottom (1.0cm)	Body-Top (1.0cm)
Mode	Stand Alone 1-g SAR (W/Kg)				
GPRS 850	0.359	0.229	0.152	0.332	/
GPRS 1900	0.462	0.320	0.127	0.382	/
WCDMA 850	0.133	0.077	0.033	0.071	/
WCDMA 1700	0.605	0.304	0.328	0.331	/
WCDMA 1900	0.582	0.38	0.242	0.407	/
LTE Band 2	0.325	0.261	0.228	0.314	/
LTE Band 4	0.500	0.299	0.283	0.329	/
LTE Band 5	0.138	0.103	0.069	0.092	/
LTE Band 7	0.075	0.064	0.046	0.052	/
LTE Band 17	0.237	0.163	0.109	0.114	/
BT	0.073	0.073	0.073	0.073	0.073
	∑ 1-g SAR(W/Kg)				
GPRS 850 + BT	0.432	0.302	0.225	0.405	/
GPRS 1900 + BT	0.535	0.393	0.200	0.455	/
WCDMA 850 + BT	0.206	0.150	0.106	0.144	/
WCDMA 1700 + BT	0.678	0.377	0.401	0.404	/
WCDMA 1900+ BT	0.655	0.453	0.315	0.480	/
LTE Band 2+ BT	0.398	0.334	0.301	0.387	/
LTE Band 4+ BT	0.573	0.372	0.356	0.402	/
LTE Band 5+ BT	0.211	0.176	0.142	0.165	/
LTE Band 7+ BT	0.148	0.137	0.119	0.125	
LTE Band 17+ BT	0.310	0.236	0.182	0.187	/

Evaluations for Simultaneous SAR, Mobile Hot Spot Positions					
Test Position	Body-Back (1.0cm)	Body-Left (1.0cm)	Body-Right (1.0cm)	Body-Bottom (1.0cm)	Body-Top (1.0cm)
Mode	Stand Alone 1-g SAR (W/Kg)				
GPRS 850	0.359	0.229	0.152	0.332	/
GPRS 1900	0.462	0.320	0.127	0.382	/
WCDMA 850	0.133	0.077	0.033	0.071	/
WCDMA 1700	0.605	0.304	0.328	0.331	/
WCDMA 1900	0.582	0.38	0.242	0.407	/
LTE Band 2	0.325	0.261	0.228	0.314	/
LTE Band 4	0.500	0.299	0.283	0.329	/
LTE Band 5	0.138	0.103	0.069	0.092	/
LTE Band 7	0.075	0.064	0.046	0.052	/
LTE Band 17	0.237	0.163	0.109	0.114	
Wi-Fi	0.187	0.187	0.187	0.187	0.187
	∑ 1-g SAR(W/Kg)				
GPRS 850 + Wi-Fi	0.546	0.416	0.339	0.519	/
GPRS 1900 + Wi-Fi	0.649	0.507	0.314	0.569	/
WCDMA 850 + Wi-Fi	0.320	0.264	0.220	0.258	/
WCDMA 1700+ Wi-Fi	**0.792**	0.491	0.515	0.518	/
WCDMA 1900+ Wi-Fi	0.769	0.567	0.429	0.594	/
LTE Band 2+ Wi-Fi	0.512	0.448	0.415	0.501	/
LTE Band 4+ Wi-Fi	0.687	0.486	0.470	0.516	/
LTE Band 5+ Wi-Fi	0.325	0.290	0.256	0.279	/
LTE Band 7+ Wi-Fi	0.262	0.251	0.233	0.239	
LTE Band 17+ Wi-Fi	0.424	0.350	0.296	0.301	

Note:

If the sum of the 1g SAR measured for the simultaneously transmitting antennas is less than the SAR limit, SAR measurement for simultaneous transmission is not required.

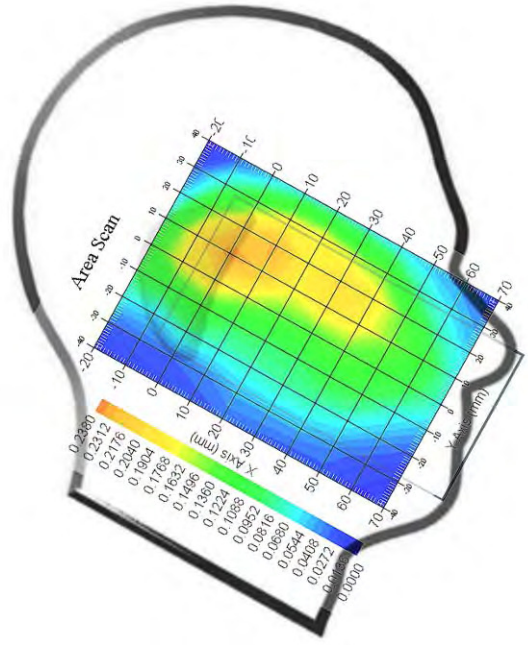
SAR Plots

Test Laboratory: Bay Area Compliance Lab Corp. (Shenzhen)

Left Head Cheek (824.2 MHz Low Channel)

Measurement Data	
Test mode	: GSM
Crest Factor	: 8
Scan Type	: Complete
Area Scan	: 11x8x1: Measurement x=10mm, y=10mm, z=4mm
Zoom Scan	: 7x7x7: Measurement x=5mm, y=5mm, z=5mm
Power Drift-Start	: 0.056 W/kg
Power Drift-Finish	: 0.054 W/kg
Power Drift (%)	: -3.571
Tissue Data	
Type	: Head
Frequency	: 824.2 MHz
Epsilon	: 40.45 F/m
Sigma	: 0.92 S/m
Density	: 1000.00 kg/cu. m
Probe Data	
Serial No.	: 500-00283
Frequency Band	: 835
Duty Cycle Factor	: 8
Conversion Factor	: 5.9
Probe Sensitivity	: 1.20 1.20 1.20 µV/(V/m)2
Compression Point	: 95.00 mV
Offset	: 1.56 mm
1 gram SAR value	: 0.194 W/kg
10 gram SAR value	: 0.139 W/kg
Area Scan Peak SAR	: 0.238 W/kg
Zoom Scan Peak SAR	: 0.329 W/kg

Plot 1#



Test Laboratory: Bay Area Compliance Lab Corp. (Shenzhen)

Left Head Cheek (836.6 MHz Middle Channel)

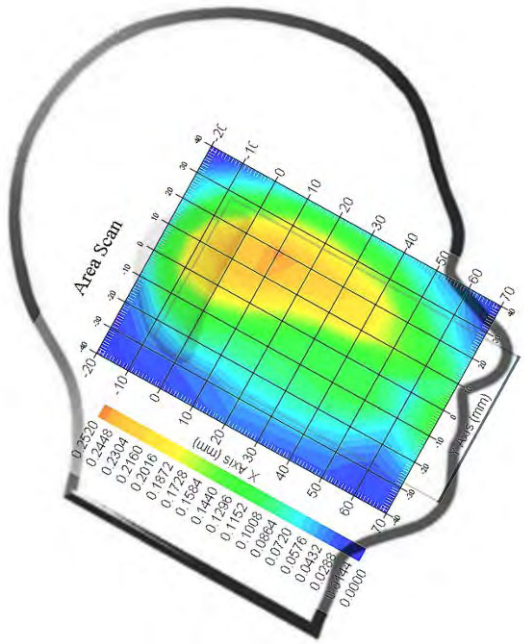
Measurement Data
Test mode : GSM
Crest Factor : 8
Scan Type : Complete
Area Scan : 11x8x1: Measurement x=10mm, y=10mm, z=4mm
Zoom Scan : 7x7x7: Measurement x=5mm, y=5mm, z=5mm
Power Drift-Start : 0.067 W/kg
Power Drift-Finish : 0.072 W/kg
Power Drift (%) : 4.477

Tissue Data
Type : Head
Frequency : 836.6 MHz
Epsilon : 40.72 F/m
Sigma : 0.93 S/m
Density : 1000.00 kg/cu. m

Probe Data
Serial No. : 500-00283
Frequency Band : 835
Duty Cycle Factor : 8
Conversion Factor : 5.9
Probe Sensitivity : 1.20 1.20 1.20 µV/(V/m)2
Compression Point : 95.00 mV
Offset : 1.56 mm

1 gram SAR value : 0.247 W/kg
10 gram SAR value : 0.160 W/kg
Area Scan Peak SAR : 0.252 W/kg
Zoom Scan Peak SAR : 0.379 W/kg

Plot 2#



Test Laboratory: Bay Area Compliance Lab Corp. (Shenzhen)

Left Head Cheek (848.8 MHz High Channel)

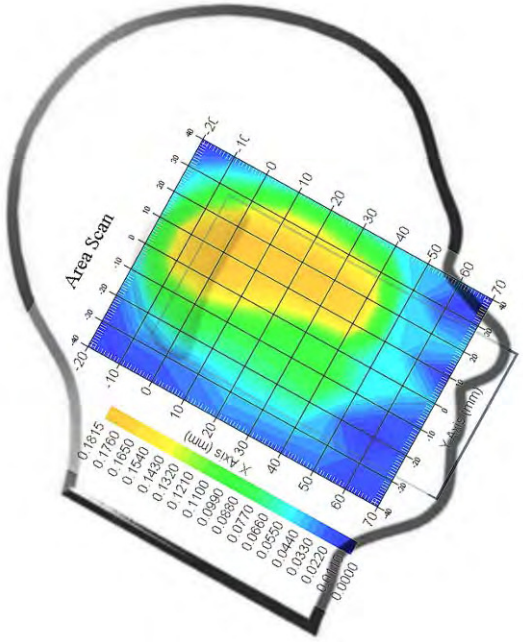
Measurement Data
Test mode : GSM
Crest Factor : 8
Scan Type : Complete
Area Scan : 11x8x1: Measurement x=10mm, y=10mm, z=4mm
Zoom Scan : 7x7x7: Measurement x=5mm, y=5mm, z=5mm
Power Drift-Start : 0.036 W/kg
Power Drift-Finish : 0.037 W/kg
Power Drift (%) : 2.778

Tissue Data
Type : Head
Frequency : 848.8 MHz
Epsilon : 40.29 F/m
Sigma : 0.92 S/m
Density : 1000.00 kg/cu. m

Probe Data
Serial No. : 500-00283
Frequency Band : 835
Duty Cycle Factor : 8
Conversion Factor : 5.9
Probe Sensitivity : 1.20 1.20 1.20 µV/(V/m)2
Compression Point : 95.00 mV
Offset : 1.56 mm

1 gram SAR value : 0.159 W/kg
10 gram SAR value : 0.098 W/kg
Area Scan Peak SAR : 0.181 W/kg
Zoom Scan Peak SAR : 0.276 W/kg

Plot 3#



Test Laboratory: Bay Area Compliance Lab Corp. (Shenzhen)

Left Head Tilt 15^0 (836.6 MHz Middle Channel)

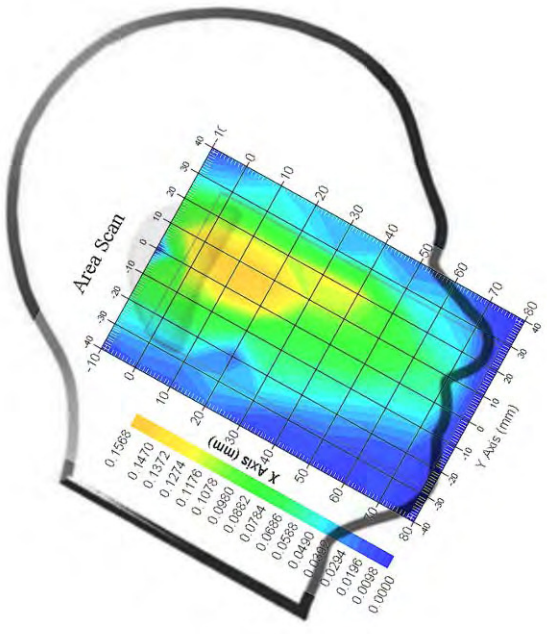
Measurement Data
Test mode : GSM
Crest Factor : 8
Scan Type : Complete
Area Scan : 11x8x1: Measurement x=10mm, y=10mm, z=4mm
Zoom Scan : 7x7x7: Measurement x=5mm, y=5mm, z=5mm
Power Drift-Start : 0.061 W/kg
Power Drift-Finish : 0.063 W/kg
Power Drift (%) : 3.279

Tissue Data
Type : Head
Frequency : 836.6 MHz
Epsilon : 40.72 F/m
Sigma : 0.93 S/m
Density : 1000.00 kg/cu. m

Probe Data
Serial No. : 500-00283
Frequency Band : 835
Duty Cycle Factor : 8
Conversion Factor : 5.9
Probe Sensitivity : 1.20 1.20 1.20 µV/(V/m)2
Compression Point : 95.00 mV
Offset : 1.56 mm

1 gram SAR value : 0.136 W/kg
10 gram SAR value : 0.074 W/kg
Area Scan Peak SAR : 0.156 W/kg
Zoom Scan Peak SAR : 0.227 W/kg

Plot 4#



Test Laboratory: Bay Area Compliance Lab Corp. (Shenzhen)

Right Head Cheek (836.6 MHz Middle Channel)

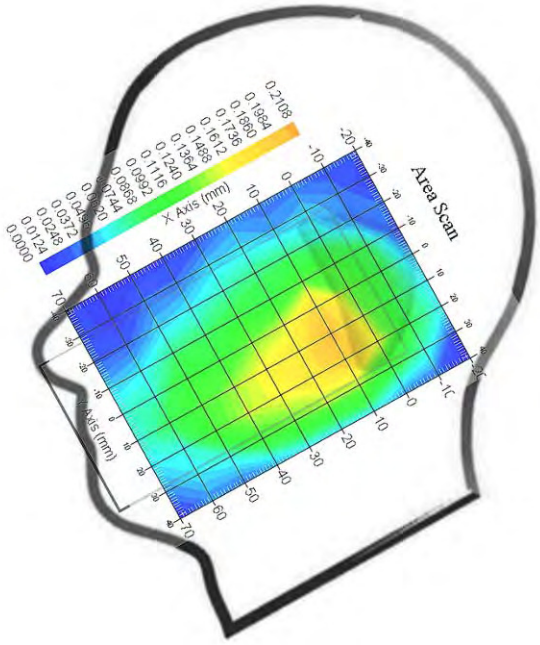
Measurement Data
Test mode : GSM
Crest Factor : 8
Scan Type : Complete
Area Scan : 11x8x1: Measurement x=10mm, y=10mm, z=4mm
Zoom Scan : 7x7x7: Measurement x=5mm, y=5mm, z=5mm
Power Drift-Start : 0.082 W/kg
Power Drift-Finish : 0.080 W/kg
Power Drift (%) : -2.439

Tissue Data
Type : Head
Frequency : 836.6 MHz
Epsilon : 40.72 F/m
Sigma : 0.93 S/m
Density : 1000.00 kg/cu. m

Probe Data
Serial No. : 500-00283
Frequency Band : 835
Duty Cycle Factor : 8
Conversion Factor : 5.9
Probe Sensitivity : 1.20 1.20 1.20 µV/(V/m)2
Compression Point : 95.00 mV
Offset : 1.56 mm

1 gram SAR value : 0.197 W/kg
10 gram SAR value : 0.122 W/kg
Area Scan Peak SAR : 0.210 W/kg
Zoom Scan Peak SAR : 0.369 W/kg

Plot 5#



Test Laboratory: Bay Area Compliance Lab Corp. (Shenzhen)

Right Head Tilt 15^0 (836.6 MHz Middle Channel)

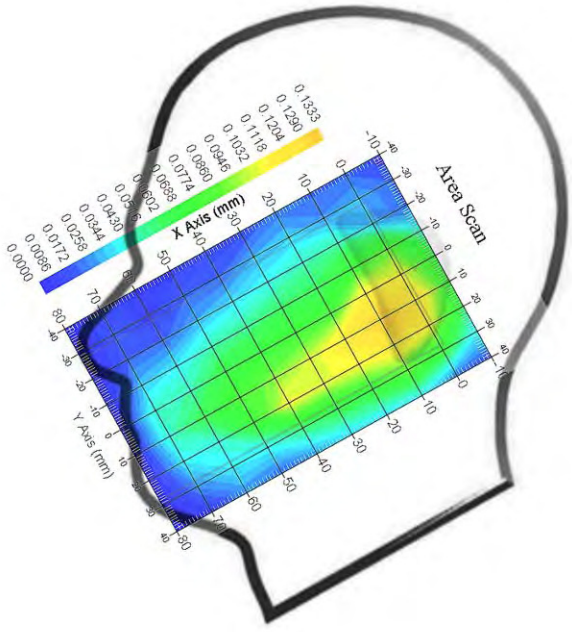
Measurement Data
Test mode : GSM
Crest Factor : 8
Scan Type : Complete
Area Scan : 11x8x1: Measurement x=10mm, y=10mm, z=4mm
Zoom Scan : 7x7x7: Measurement x=5mm, y=5mm, z=5mm
Power Drift-Start : 0.017 W/kg
Power Drift-Finish : 0.017 W/kg
Power Drift (%) : -0.776

Tissue Data
Type : Head
Frequency : 836.6 MHz
Epsilon : 40.72 F/m
Sigma : 0.93 S/m
Density : 1000.00 kg/cu. m

Probe Data
Serial No. : 500-00283
Frequency Band : 835
Duty Cycle Factor : 8
Conversion Factor : 5.9
Probe Sensitivity : 1.20 1.20 1.20 µV/(V/m)2
Compression Point : 95.00 mV
Offset : 1.56 mm

1 gram SAR value : 0.127 W/kg
10 gram SAR value : 0.074 W/kg
Area Scan Peak SAR : 0.133 W/kg
Zoom Scan Peak SAR : 0.198 W/kg

Plot 6#



Test Laboratory: Bay Area Compliance Lab Corp. (Shenzhen)

Left Head Cheek(1850.2 MHz Low Channel)

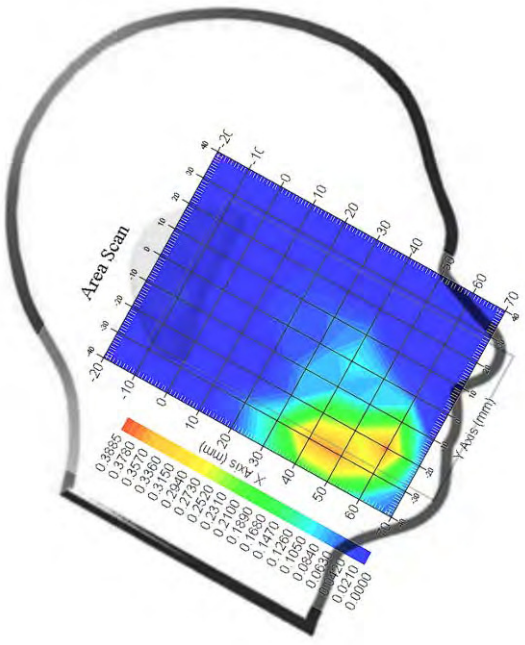
Measurement Data
Test mode : GSM
Crest Factor : 8
Scan Type : Complete
Area Scan : 11x8x1 : Measurement x=10mm, y=10mm, z=4mm
Zoom Scan : 7x7x7 : Measurement x=5mm, y=5mm, z=5mm
Power Drift-Start : 0.003 W/kg
Power Drift-Finish : 0.003 W/kg
Power Drift (%) : -2.648

Tissue Data
Type : Head
Frequency : 1850.2 MHz
Epsilon : 39.17 F/m
Sigma : 1.43 S/m
Density : 1000.00 kg/cu. M

Probe Data
Serial No. : 500-00283
Frequency Band : 1900
Duty Cycle Factor : 8
Conversion Factor : 4.8
Probe Sensitivity : 1.20 1.20 1.20 µV/(V/m)2
Compression Point : 95.00 mV
Offset : 1.56 mm

1 gram SAR value : 0.312 W/kg
10 gram SAR value : 0.144 W/kg
Area Scan Peak SAR : 0.388 W/kg
Zoom Scan Peak SAR : 0.563 W/kg

Plot 7#



Test Laboratory: Bay Area Compliance Lab Corp. (Shenzhen)

Left Head Cheek(1880.0 MHz Middle Channel)

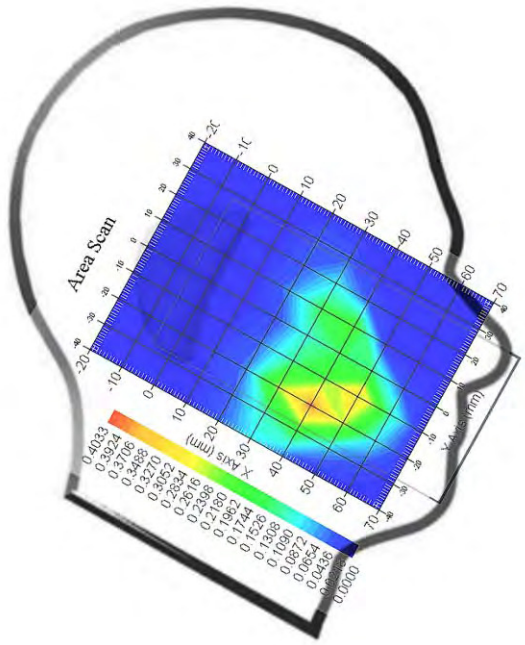
Measurement Data
Test mode : GSM
Crest Factor : 8
Scan Type : Complete
Area Scan : 11x8x1 : Measurement x=10mm, y=10mm, z=4mm
Zoom Scan : 7x7x7 : Measurement x=5mm, y=5mm, z=5mm
Power Drift-Start : 0.016 W/kg
Power Drift-Finish : 0.016 W/kg
Power Drift (%) : -1.657

Tissue Data
Type : Head
Frequency : 1880.0 MHz
Epsilon : 39.12 F/m
Sigma : 1.42 S/m
Density : 1000.00 kg/cu. M

Probe Data
Serial No. : 500-00283
Frequency Band : 1900
Duty Cycle Factor : 8
Conversion Factor : 4.8
Probe Sensitivity : 1.20 1.20 1.20 µV/(V/m)2
Compression Point : 95.00 mV
Offset : 1.56 mm

1 gram SAR value : 0.335 W/kg
10 gram SAR value : 0.156 W/kg
Area Scan Peak SAR : 0.403 W/kg
Zoom Scan Peak SAR : 0.621 W/kg

Plot 8#



Test Laboratory: Bay Area Compliance Lab Corp. (Shenzhen)

Left Head Cheek(1909.8 MHz High Channel)

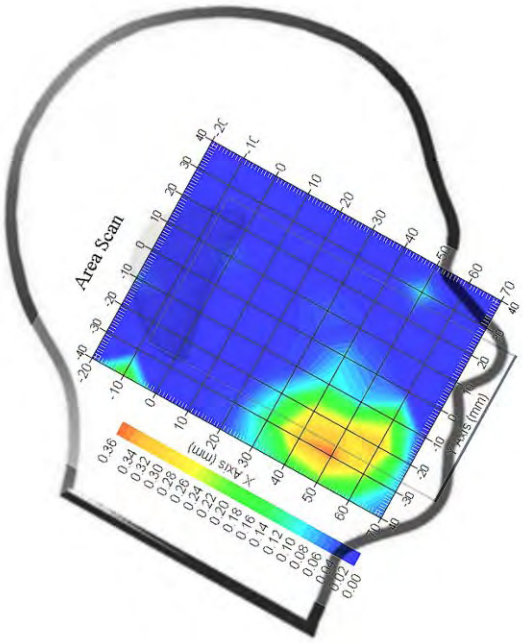
Measurement Data
Test mode : GSM
Crest Factor : 8
Scan Type : Complete
Area Scan : 11x8x1 : Measurement x=10mm, y=10mm, z=4mm
Zoom Scan : 7x7x7 : Measurement x=5mm, y=5mm, z=5mm
Power Drift-Start : 0.022 W/kg
Power Drift-Finish : 0.022 W/kg
Power Drift (%) : -2.347

Tissue Data
Type : Head
Frequency : 1909.8 MHz
Epsilon : 39.38 F/m
Sigma : 1.41 S/m
Density : 1000.00 kg/cu. M

Probe Data
Serial No. : 500-00283
Frequency Band : 1900
Duty Cycle Factor : 8
Conversion Factor : 4.8
Probe Sensitivity : 1.20 1.20 1.20 µV/(V/m)2
Compression Point : 95.00 mV
Offset : 1.56 mm

1 gram SAR value : 0.294 W/kg
10 gram SAR value : 0.129 W/kg
Area Scan Peak SAR : 0.357 W/kg
Zoom Scan Peak SAR : 0.524 W/kg

Plot 9#



Test Laboratory: Bay Area Compliance Lab Corp. (Shenzhen)

Left Head Tilt 15^0(1880.0 MHz Middle Channel)

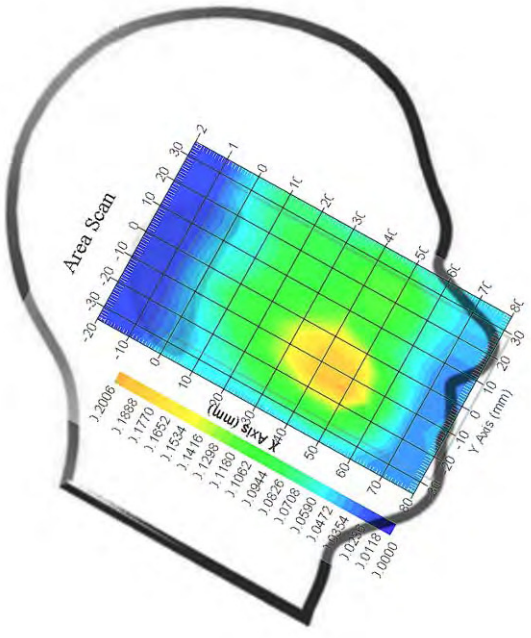
Measurement Data
Test mode : GSM
Crest Factor : 8
Scan Type : Complete
Area Scan : 11x8x1 : Measurement x=10mm, y=10mm, z=4mm
Zoom Scan : 7x7x7 : Measurement x=5mm, y=5mm, z=5mm
Power Drift-Start : 0.001 W/kg
Power Drift-Finish : 0.001 W/kg
Power Drift (%) : -3.617

Tissue Data
Type : Head
Frequency : 1880.0 MHz
Epsilon : 39.12 F/m
Sigma : 1.42 S/m
Density : 1000.00 kg/cu. M

Probe Data
Serial No. : 500-00283
Frequency Band : 1900
Duty Cycle Factor : 8
Conversion Factor : 4.8
Probe Sensitivity : 1.20 1.20 1.20 µV/(V/m)2
Compression Point : 95.00 mV
Offset : 1.56 mm

1 gram SAR value : 0.181 W/kg
10 gram SAR value : 0.114 W/kg
Area Scan Peak SAR : 0.200 W/kg
Zoom Scan Peak SAR : 0.309 W/kg

Plot 10#



Test Laboratory: Bay Area Compliance Lab Corp. (Shenzhen)

Right Head Cheek(1880.0 MHz Middle Channel)

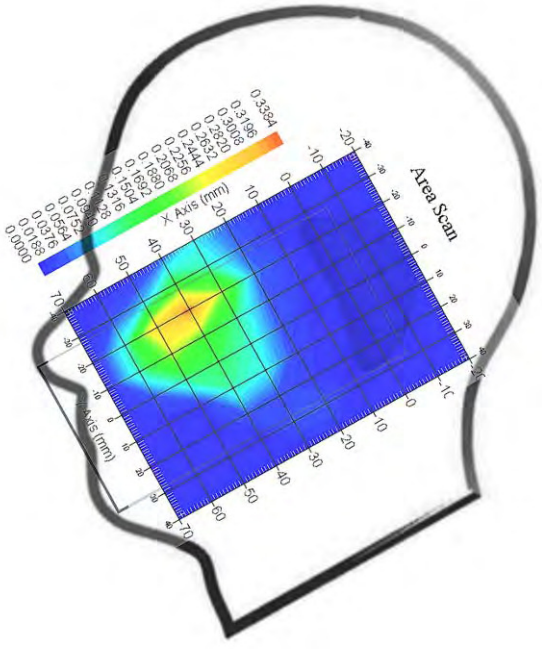
Measurement Data
Test mode : GSM
Crest Factor : 8
Scan Type : Complete
Area Scan : 11x8x1 : Measurement x=10mm, y=10mm, z=4mm
Zoom Scan : 7x7x7 : Measurement x=5mm, y=5mm, z=5mm
Power Drift-Start : 0.003 W/kg
Power Drift-Finish : 0.003 W/kg
Power Drift (%) : -2.748

Tissue Data
Type : Head
Frequency : 1880.0 MHz
Epsilon : 39.12 F/m
Sigma : 1.42 S/m
Density : 1000.00 kg/cu. M

Probe Data
Serial No. : 500-00283
Frequency Band : 1900
Duty Cycle Factor : 8
Conversion Factor : 4.8
Probe Sensitivity : 1.20 1.20 1.20 µV/(V/m)2
Compression Point : 95.00 mV
Offset : 1.56 mm

1 gram SAR value : 0.271 W/kg
10 gram SAR value : 0.122 W/kg
Area Scan Peak SAR : 0.338 W/kg
Zoom Scan Peak SAR : 0.511 W/kg

Plot 11#



Test Laboratory: Bay Area Compliance Lab Corp. (Shenzhen)

Right Head Tilt 15^0(1880.0 MHz Middle Channel)

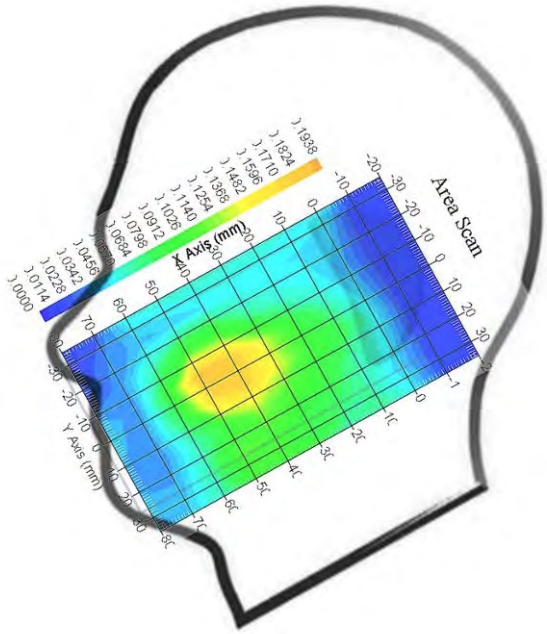
Measurement Data
Test mode : GSM
Crest Factor : 8
Scan Type : Complete
Area Scan : 11x8x1 : Measurement x=10mm, y=10mm, z=4mm
Zoom Scan : 7x7x7 : Measurement x=5mm, y=5mm, z=5mm
Power Drift-Start : 0.006 W/kg
Power Drift-Finish : 0.006 W/kg
Power Drift (%) : -1.795

Tissue Data
Type : Head
Frequency : 1880.0 MHz
Epsilon : 39.12 F/m
Sigma : 1.42 S/m
Density : 1000.00 kg/cu. M

Probe Data
Serial No. : 500-00283
Frequency Band : 1900
Duty Cycle Factor : 8
Conversion Factor : 4.8
Probe Sensitivity : 1.20 1.20 1.20 µV/(V/m)2
Compression Point : 95.00 mV
Offset : 1.56 mm

1 gram SAR value : 0.178 W/kg
10 gram SAR value : 0.113 W/kg
Area Scan Peak SAR : 0.193 W/kg
Zoom Scan Peak SAR : 0.286 W/kg

Plot 12#



Test Laboratory: Bay Area Compliance Lab Corp. (Shenzhen)

WCDMA850; Left Head Cheek (826.4 MHz Low Channel)

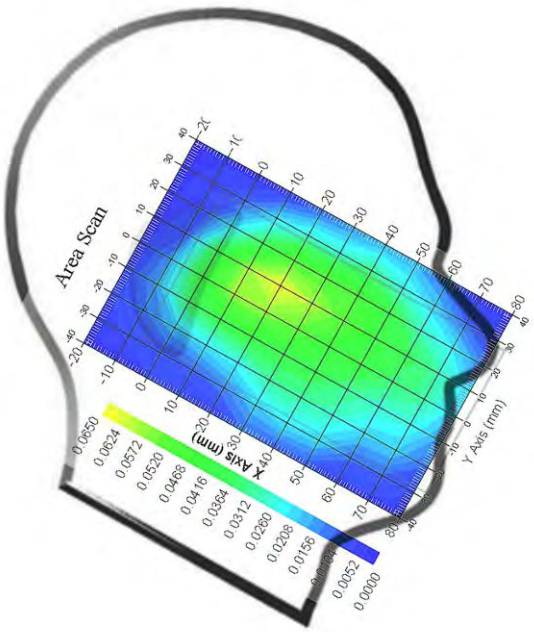
Measurement Data
Test mode : RMC
Crest Factor : 1
Scan Type : Complete
Area Scan : 11x8x1: Measurement x=10mm, y=10mm, z=4mm
Zoom Scan : 7x7x7: Measurement x=5mm, y=5mm, z=5mm
Power Drift-Start : 0.018 W/kg
Power Drift-Finish : 0.018 W/kg
Power Drift (%) : 1.614

Tissue Data
Type : Head
Frequency : 826.4 MHz
Epsilon : 40.08 F/m
Sigma : 0.92 S/m
Density : 1000.00 kg/cu. m

Probe Data
Serial No. : 500-00283
Frequency Band : 835
Duty Cycle Factor : 1
Conversion Factor : 5.9
Probe Sensitivity : 1.20 1.20 1.20 µV/(V/m)2
Compression Point : 95.00 mV
Offset : 1.56 mm

1 gram SAR value : 0.055 W/kg
10 gram SAR value : 0.037 W/kg
Area Scan Peak SAR : 0.065 W/kg
Zoom Scan Peak SAR : 0.096 W/kg

Plot 13#



Test Laboratory: Bay Area Compliance Lab Corp. (Shenzhen)

WCDMA850; Left Head Cheek (836.6 MHz Middle Channel)

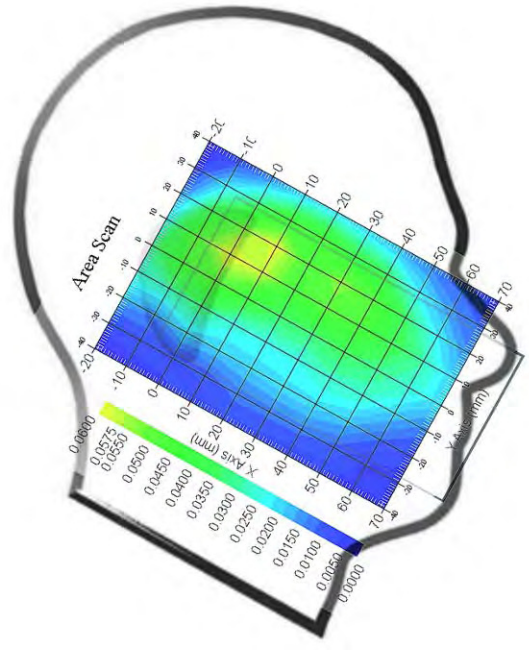
Measurement Data
Test mode : RMC
Crest Factor : 1
Scan Type : Complete
Area Scan : 11x8x1: Measurement x=10mm, y=10mm, z=4mm
Zoom Scan : 7x7x7: Measurement x=5mm, y=5mm, z=5mm
Power Drift-Start : 0.026 W/kg
Power Drift-Finish : 0.026 W/kg
Power Drift (%) : -0.698

Tissue Data
Type : Head
Frequency : 836.6 MHz
Epsilon : 40.72 F/m
Sigma : 0.93 S/m
Density : 1000.00 kg/cu. m

Probe Data
Serial No. : 500-00283
Frequency Band : 835
Duty Cycle Factor : 1
Conversion Factor : 5.9
Probe Sensitivity : 1.20 1.20 1.20 µV/(V/m)2
Compression Point : 95.00 mV
Offset : 1.56 mm

1 gram SAR value : 0.052 W/kg
10 gram SAR value : 0.035 W/kg
Area Scan Peak SAR : 0.060 W/kg
Zoom Scan Peak SAR : 0.087 W/kg

Plot 14#



Test Laboratory: Bay Area Compliance Lab Corp. (Shenzhen)

WCDMA850; Left Head Cheek (846.6 MHz High Channel)

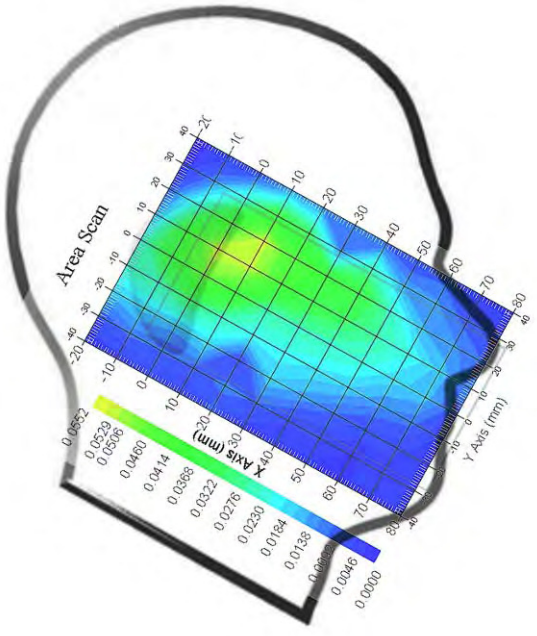
Measurement Data
Test mode : RMC
Crest Factor : 1
Scan Type : Complete
Area Scan : 11x8x1: Measurement x=10mm, y=10mm, z=4mm
Zoom Scan : 7x7x7: Measurement x=5mm, y=5mm, z=5mm
Power Drift-Start : 0.005 W/kg
Power Drift-Finish : 0.005 W/kg
Power Drift (%) : -3.348

Tissue Data
Type : Head
Frequency : 846.6 MHz
Epsilon : 41.07 F/m
Sigma : 0.89 S/m
Density : 1000.00 kg/cu. m

Probe Data
Serial No. : 500-00283
Frequency Band : 835
Duty Cycle Factor : 1
Conversion Factor : 5.9
Probe Sensitivity : 1.20 1.20 1.20 µV/(V/m)2
Compression Point : 95.00 mV
Offset : 1.56 mm

1 gram SAR value : 0.048 W/kg
10 gram SAR value : 0.030 W/kg
Area Scan Peak SAR : 0.055 W/kg
Zoom Scan Peak SAR : 0.084 W/kg

Plot 15#



Test Laboratory: Bay Area Compliance Lab Corp. (Shenzhen)

WCDMA850; Left Head Tilt 15^0 (836.6 MHz Middle Channel)

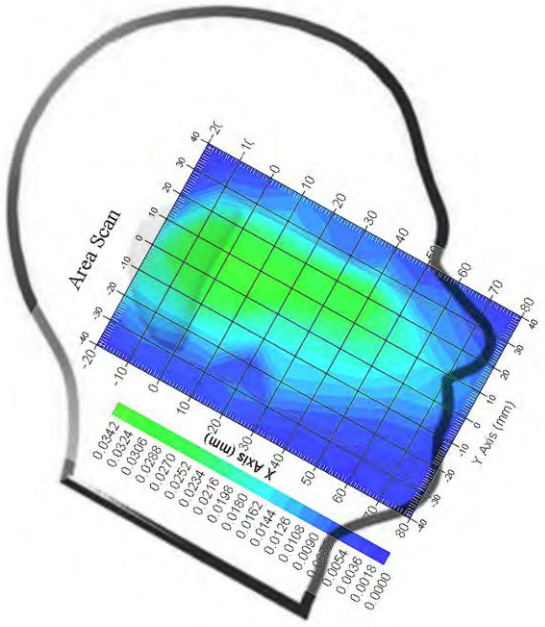
Measurement Data
Test mode : RMC
Crest Factor : 1
Scan Type : Complete
Area Scan : 11x8x1: Measurement x=10mm, y=10mm, z=4mm
Zoom Scan : 7x7x7: Measurement x=5mm, y=5mm, z=5mm
Power Drift-Start : 0.029 W/kg
Power Drift-Finish : 0.029 W/kg
Power Drift (%) : 3.348

Tissue Data
Type : Head
Frequency : 836.6 MHz
Epsilon : 40.72 F/m
Sigma : 0.93 S/m
Density : 1000.00 kg/cu. m

Probe Data
Serial No. : 500-00283
Frequency Band : 835
Duty Cycle Factor : 1
Conversion Factor : 5.9
Probe Sensitivity : 1.20 1.20 1.20 µV/(V/m)2
Compression Point : 95.00 mV
Offset : 1.56 mm

1 gram SAR value : 0.031 W/kg
10 gram SAR value : 0.018 W/kg
Area Scan Peak SAR : 0.034 W/kg
Zoom Scan Peak SAR : 0.051 W/kg

Plot 16#



Test Laboratory: Bay Area Compliance Lab Corp. (Shenzhen)

WCDMA850; Right Head Cheek (836.6 MHz Middle Channel)

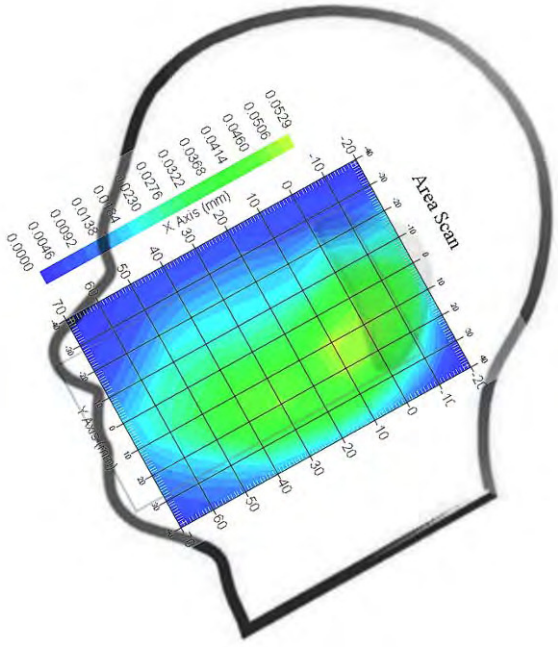
Measurement Data
Test mode : RMC
Crest Factor : 1
Scan Type : Complete
Area Scan : 11x8x1: Measurement x=10mm, y=10mm, z=4mm
Zoom Scan : 7x7x7: Measurement x=5mm, y=5mm, z=5mm
Power Drift-Start : 0.016 W/kg
Power Drift-Finish : 0.016 W/kg
Power Drift (%) : -2.944

Tissue Data
Type : Head
Frequency : 836.6 MHz
Epsilon : 40.72 F/m
Sigma : 0.93 S/m
Density : 1000.00 kg/cu. m

Probe Data
Serial No. : 500-00283
Frequency Band : 835
Duty Cycle Factor : 1
Conversion Factor : 5.9
Probe Sensitivity : 1.20 1.20 1.20 µV/(V/m)2
Compression Point : 95.00 mV
Offset : 1.56 mm

1 gram SAR value : 0.048 W/kg
10 gram SAR value : 0.030 W/kg
Area Scan Peak SAR : 0.052 W/kg
Zoom Scan Peak SAR : 0.085 W/kg

Plot 17#



Test Laboratory: Bay Area Compliance Lab Corp. (Shenzhen)

WCDMA850; Right Head Tilt 15^0 (836.6 MHz Middle Channel)

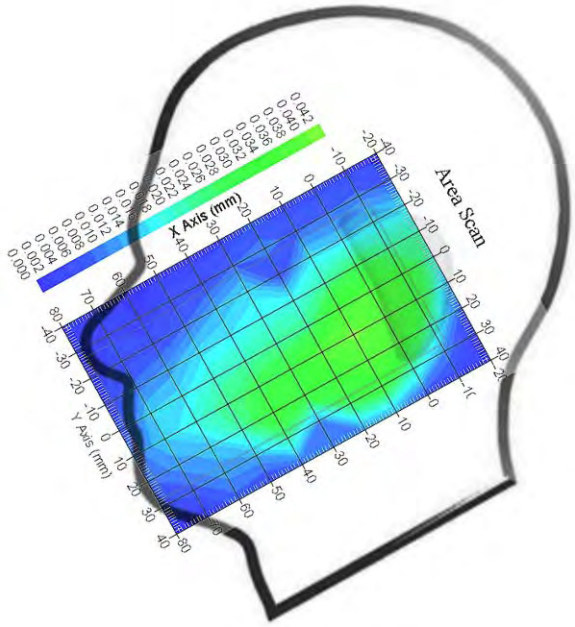
Measurement Data
Test mode : RMC
Crest Factor : 1
Scan Type : Complete
Area Scan : 11x8x1: Measurement x=10mm, y=10mm, z=4mm
Zoom Scan : 7x7x7: Measurement x=5mm, y=5mm, z=5mm
Power Drift-Start : 0.007 W/kg
Power Drift-Finish : 0.007 W/kg
Power Drift (%) : 4.287

Tissue Data
Type : Head
Frequency : 836.6 MHz
Epsilon : 40.72 F/m
Sigma : 0.93 S/m
Density : 1000.00 kg/cu. m

Probe Data
Serial No. : 500-00283
Frequency Band : 835
Duty Cycle Factor : 1
Conversion Factor : 5.9
Probe Sensitivity : 1.20 1.20 1.20 µV/(V/m)2
Compression Point : 95.00 mV
Offset : 1.56 mm

1 gram SAR value : 0.040 W/kg
10 gram SAR value : 0.024 W/kg
Area Scan Peak SAR : 0.041 W/kg
Zoom Scan Peak SAR : 0.070 W/kg

Plot 18#



Test Laboratory: Bay Area Compliance Lab Corp. (Shenzhen)

WCDMA 1700; Left Head Cheek (1732.6 MHz Middle Channel)

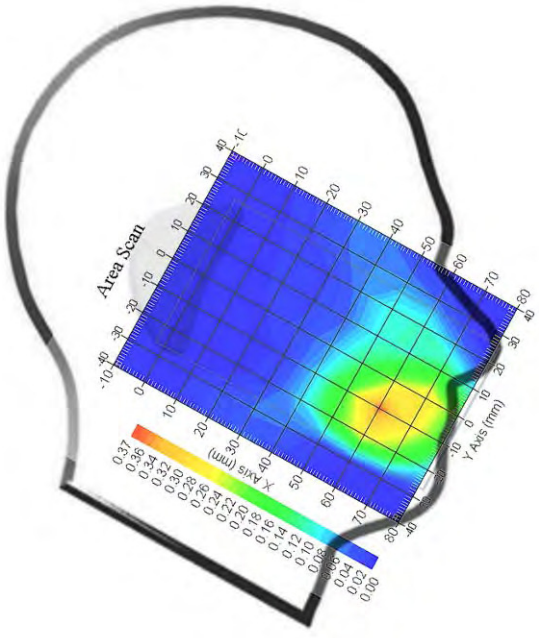
Measurement Data
Test mode : RMC
Crest Factor : 1
Scan Type : Complete
Area Scan : 11x8x1: Measurement x=10mm, y=10mm, z=4mm
Zoom Scan : 7x7x7: Measurement x=5mm, y=5mm, z=5mm
Power Drift-Start : 0.011 W/kg
Power Drift-Finish : 0.011 W/kg
Power Drift (%) : 3.119

Tissue Data
Type : Head
Frequency : 1732.6 MHz
Epsilon : 38.36 F/m
Sigma : 1.38 S/m
Density : 1000.00 kg/cu. m

Probe Data
Serial No. : 500-00283
Frequency Band : 1750
Duty Cycle Factor : 1
Conversion Factor : 5.4
Probe Sensitivity : 1.20 1.20 1.20 µV/(V/m)2
Compression Point : 95.00 mV
Offset : 1.56 mm

1 gram SAR value : 0.298 W/kg
10 gram SAR value : 0.125 W/kg
Area Scan Peak SAR : 0.367 W/kg
Zoom Scan Peak SAR : 0.519 W/kg

Plot 19#



Test Laboratory: Bay Area Compliance Lab Corp. (Shenzhen)

WCDMA 1700; Left Head Tilt 15^0 (1732.6 MHz Middle Channel)

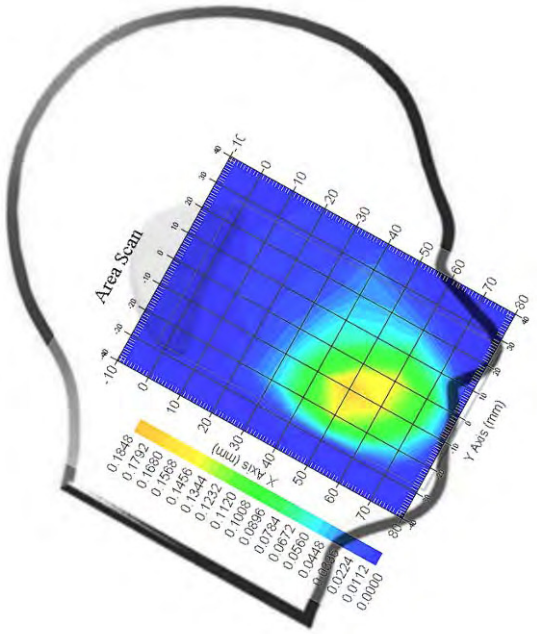
Measurement Data
Test mode : RMC
Crest Factor : 1
Scan Type : Complete
Area Scan : 11x8x1: Measurement x=10mm, y=10mm, z=4mm
Zoom Scan : 7x7x7: Measurement x=5mm, y=5mm, z=5mm
Power Drift-Start : 0.027 W/kg
Power Drift-Finish : 0.027 W/kg
Power Drift (%) : -4.258

Tissue Data
Type : Head
Frequency : 1732.6 MHz
Epsilon : 38.36 F/m
Sigma : 1.38 S/m
Density : 1000.00 kg/cu. m

Probe Data
Serial No. : 500-00283
Frequency Band : 1750
Duty Cycle Factor : 1
Conversion Factor : 5.4
Probe Sensitivity : 1.20 1.20 1.20 µV/(V/m)2
Compression Point : 95.00 mV
Offset : 1.56 mm

1 gram SAR value : 0.151 W/kg
10 gram SAR value : 0.072 W/kg
Area Scan Peak SAR : 0.185 W/kg
Zoom Scan Peak SAR : 0.294 W/kg

Plot 20#



Test Laboratory: Bay Area Compliance Lab Corp. (Shenzhen)

WCDMA 1700; Right Head Cheek (1712.4 MHz Low Channel)

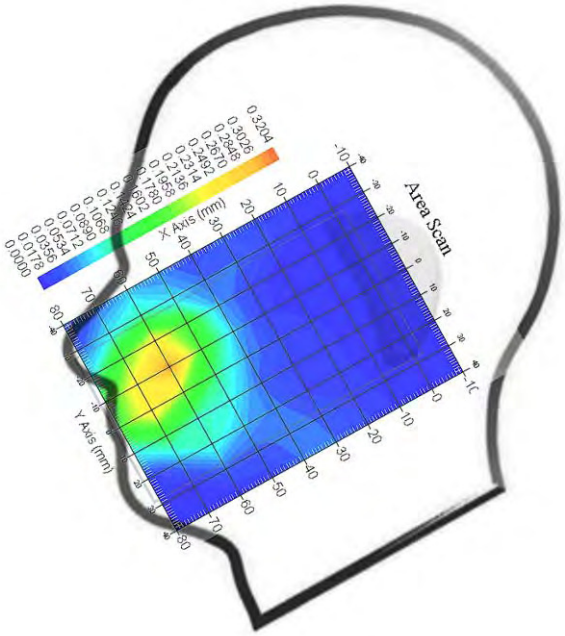
Measurement Data
Test mode : RMC
Crest Factor : 1
Scan Type : Complete
Area Scan : 11x8x1: Measurement x=10mm, y=10mm, z=4mm
Zoom Scan : 7x7x7: Measurement x=5mm, y=5mm, z=5mm
Power Drift-Start : 0.016 W/kg
Power Drift-Finish : 0.016 W/kg
Power Drift (%) : -4.136

Tissue Data
Type : Head
Frequency : 1712.4 MHz
Epsilon : 39.41 F/m
Sigma : 1.40 S/m
Density : 1000.00 kg/cu. m

Probe Data
Serial No. : 500-00283
Frequency Band : 1750
Duty Cycle Factor : 1
Conversion Factor : 5.4
Probe Sensitivity : 1.20 1.20 1.20 µV/(V/m)2
Compression Point : 95.00 mV
Offset : 1.56 mm

1 gram SAR value : 0.287 W/kg
10 gram SAR value : 0.116 W/kg
Area Scan Peak SAR : 0.320 W/kg
Zoom Scan Peak SAR : 0.519 W/kg

Plot 21#



Test Laboratory: Bay Area Compliance Lab Corp. (Shenzhen)

WCDMA 1700; Right Head Cheek (1732.6 MHz Middle Channel)

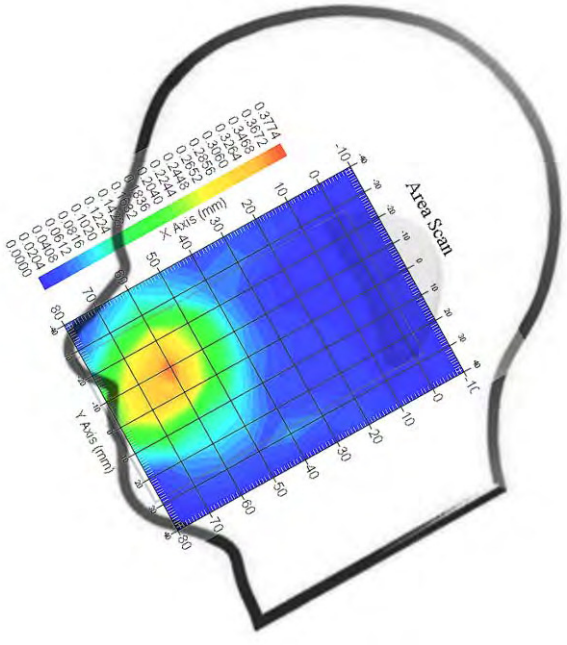
Measurement Data
Test mode : RMC
Crest Factor : 1
Scan Type : Complete
Area Scan : 11x8x1: Measurement x=10mm, y=10mm, z=4mm
Zoom Scan : 7x7x7: Measurement x=5mm, y=5mm, z=5mm
Power Drift-Start : 0.011 W/kg
Power Drift-Finish : 0.011 W/kg
Power Drift (%) : -1.654

Tissue Data
Type : Head
Frequency : 1732.6 MHz
Epsilon : 38.36 F/m
Sigma : 1.38 S/m
Density : 1000.00 kg/cu. m

Probe Data
Serial No. : 500-00283
Frequency Band : 1750
Duty Cycle Factor : 1
Conversion Factor : 5.4
Probe Sensitivity : 1.20 1.20 1.20 µV/(V/m)2
Compression Point : 95.00 mV
Offset : 1.56 mm

1 gram SAR value : 0.304 W/kg
10 gram SAR value : 0.121 W/kg
Area Scan Peak SAR : 0.377 W/kg
Zoom Scan Peak SAR : 0.582 W/kg

Plot 22#



Test Laboratory: Bay Area Compliance Lab Corp. (Shenzhen)

WCDMA 1700; Right Head Cheek (1752.6 MHz High Channel)

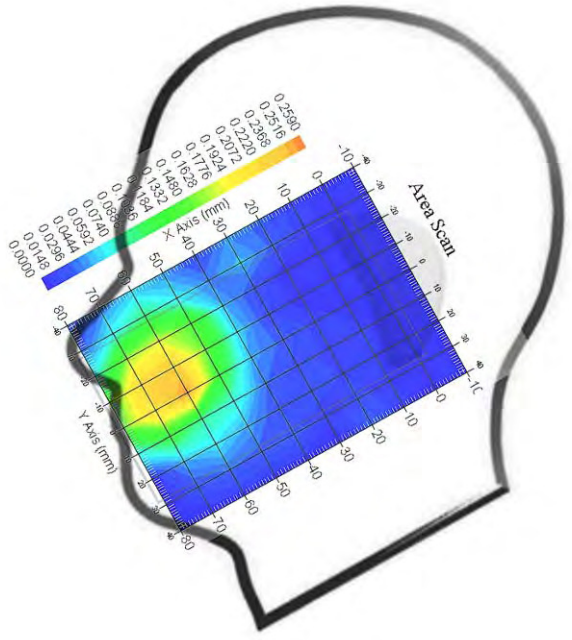
Measurement Data
Test mode : RMC
Crest Factor : 1
Scan Type : Complete
Area Scan : 11x8x1: Measurement x=10mm, y=10mm, z=4mm
Zoom Scan : 7x7x7: Measurement x=5mm, y=5mm, z=5mm
Power Drift-Start : 0.002 W/kg
Power Drift-Finish : 0.002 W/kg
Power Drift (%) : -2.214

Tissue Data
Type : Head
Frequency : 1752.6 MHz
Epsilon : 38.32 F/m
Sigma : 1.42 S/m
Density : 1000.00 kg/cu. m

Probe Data
Serial No. : 500-00283
Frequency Band : 1750
Duty Cycle Factor : 1
Conversion Factor : 5.4
Probe Sensitivity : 1.20 1.20 1.20 µV/(V/m)2
Compression Point : 95.00 mV
Offset : 1.56 mm

1 gram SAR value : 0.226 W/kg
10 gram SAR value : 0.105 W/kg
Area Scan Peak SAR : 0.259 W/kg
Zoom Scan Peak SAR : 0.371 W/kg

Plot 23#



Test Laboratory: Bay Area Compliance Lab Corp. (Shenzhen)

WCDMA 1700; Right Head Tilt 15^0 (1732.6 MHz Middle Channel)

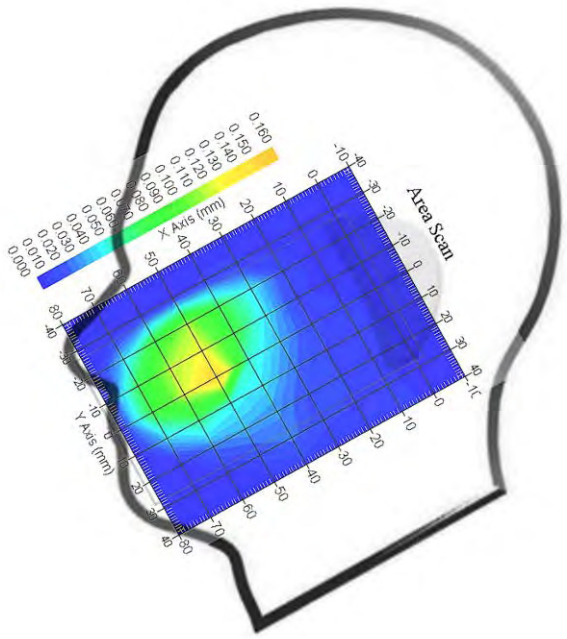
Measurement Data
Test mode : RMC
Crest Factor : 1
Scan Type : Complete
Area Scan : 11x8x1: Measurement x=10mm, y=10mm, z=4mm
Zoom Scan : 7x7x7: Measurement x=5mm, y=5mm, z=5mm
Power Drift-Start : 0.023 W/kg
Power Drift-Finish : 0.022 W/kg
Power Drift (%) : -4.495

Tissue Data
Type : Head
Frequency : 1732.6 MHz
Epsilon : 38.36 F/m
Sigma : 1.38 S/m
Density : 1000.00 kg/cu. m

Probe Data
Serial No. : 500-00283
Frequency Band : 1750
Duty Cycle Factor : 1
Conversion Factor : 5.4
Probe Sensitivity : 1.20 1.20 1.20 µV/(V/m)2
Compression Point : 95.00 mV
Offset : 1.56 mm

1 gram SAR value : 0.148 W/kg
10 gram SAR value : 0.059 W/kg
Area Scan Peak SAR : 0.155 W/kg
Zoom Scan Peak SAR : 0.237 W/kg

Plot 24#



Test Laboratory: Bay Area Compliance Lab Corp. (Shenzhen)

WCDMA 1900; Left Head Cheek (1880.0 MHz Middle Channel)

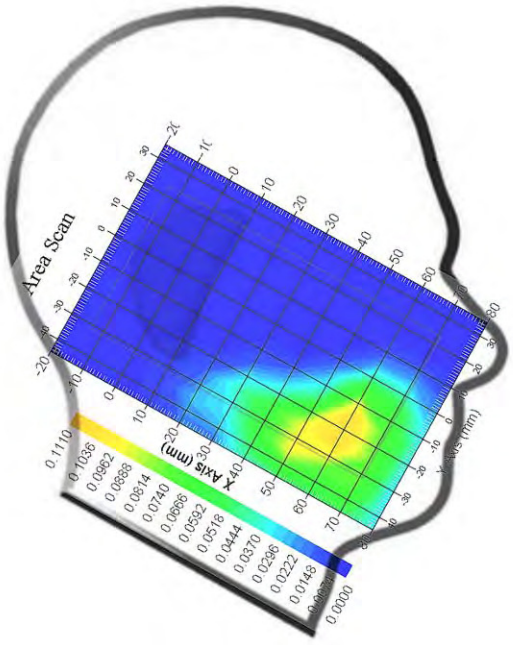
Measurement Data
Test mode : RMC
Crest Factor : 1
Scan Type : Complete
Area Scan : 11x9x1: Measurement x=10mm, y=10mm, z=4mm
Zoom Scan : 7x7x7: Measurement x=5mm, y=5mm, z=5mm
Power Drift-Start : 0.002 W/kg
Power Drift-Finish : 0.002 W/kg
Power Drift (%) : 2.639

Tissue Data
Type : Head
Frequency : 1880.0 MHz
Epsilon : 39.12 F/m
Sigma : 1.42 S/m
Density : 1000.00 kg/cu. m

Probe Data
Serial No. : 500-00283
Frequency Band : 1900
Duty Cycle Factor : 1
Conversion Factor : 4.8
Probe Sensitivity : 1.20 1.20 1.20 µV/(V/m)2
Compression Point : 95.00 mV
Offset : 1.56 mm

1 gram SAR value : 0.106 W/kg
10 gram SAR value : 0.019 W/kg
Area Scan Peak SAR : 0.111 W/kg
Zoom Scan Peak SAR : 0.167 W/kg

Plot 25#



Test Laboratory: Bay Area Compliance Lab Corp. (Shenzhen)

WCDMA 1900; Left Head Tilt 15^0 (1880.0 MHz Middle Channel)

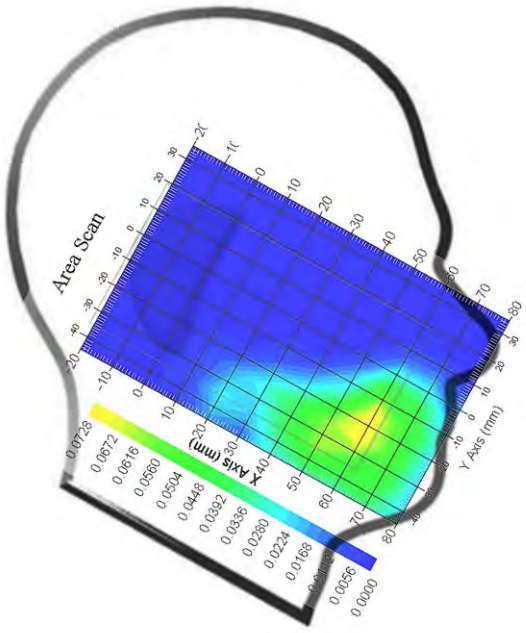
Measurement Data
Test mode : RMC
Crest Factor : 1
Scan Type : Complete
Area Scan : 11x9x1: Measurement x=10mm, y=10mm, z=4mm
Zoom Scan : 7x7x7: Measurement x=5mm, y=5mm, z=5mm
Power Drift-Start : 0.012 W/kg
Power Drift-Finish : 0.012 W/kg
Power Drift (%) : -3.947

Tissue Data
Type : Head
Frequency : 1880.0 MHz
Epsilon : 39.12 F/m
Sigma : 1.42 S/m
Density : 1000.00 kg/cu. m

Probe Data
Serial No. : 500-00283
Frequency Band : 1900
Duty Cycle Factor : 1
Conversion Factor : 4.8
Probe Sensitivity : 1.20 1.20 1.20 µV/(V/m)2
Compression Point : 95.00 mV
Offset : 1.56 mm

1 gram SAR value : 0.065 W/kg
10 gram SAR value : 0.031 W/kg
Area Scan Peak SAR : 0.072 W/kg
Zoom Scan Peak SAR : 0.129 W/kg

Plot 26#

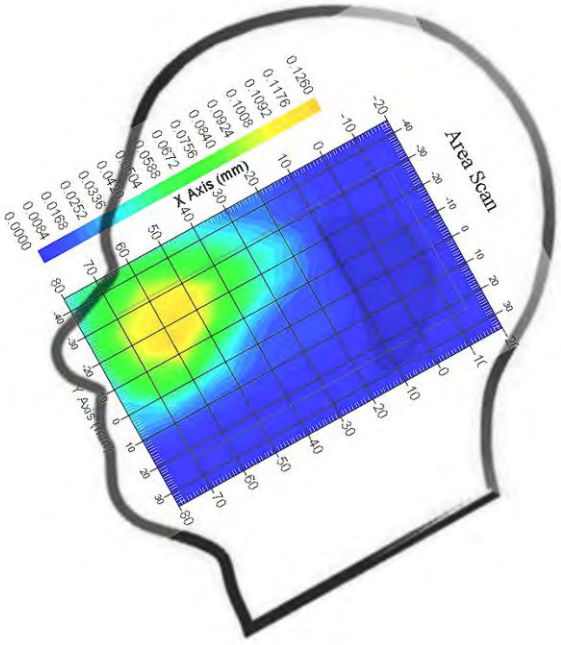


Test Laboratory: Bay Area Compliance Lab Corp. (Shenzhen)

WCDMA 1900; Right Head Cheek (1850.2 MHz Low Channel)

Measurement Data	
Test mode	: RMC
Crest Factor	: 1
Scan Type	: Complete
Area Scan	: 11x9x1: Measurement x=10mm, y=10mm, z=4mm
Zoom Scan	: 7x7x7: Measurement x=5mm, y=5mm, z=5mm
Power Drift-Start	: 0.015 W/kg
Power Drift-Finish	: 0.015 W/kg
Power Drift (%)	: -2.116
Tissue Data	
Type	: Head
Frequency	: 1850.2 MHz
Epsilon	: 39.17 F/m
Sigma	: 1.43 S/m
Density	: 1000.00 kg/cu. m
Probe Data	
Serial No.	: 500-00283
Frequency Band	: 1900
Duty Cycle Factor	: 1
Conversion Factor	: 4.8
Probe Sensitivity	: 1.20 1.20 1.20 µV/(V/m)2
Compression Point	: 95.00 mV
Offset	: 1.56 mm
1 gram SAR value	: 0.115 W/kg
10 gram SAR value	: 0.052 W/kg
Area Scan Peak SAR	: 0.126 W/kg
Zoom Scan Peak SAR	: 0.179 W/kg

Plot 27#

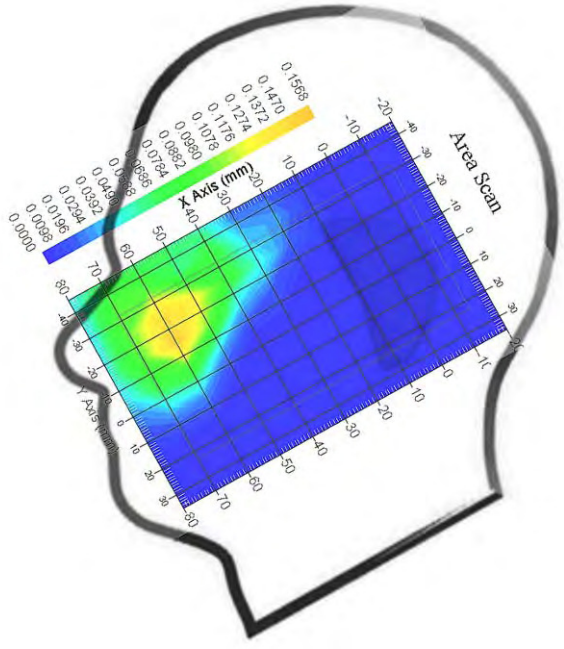


Test Laboratory: Bay Area Compliance Lab Corp. (Shenzhen)

WCDMA 1900; Right Head Cheek (1880.0 MHz Middle Channel)

Measurement Data	
Test mode	: RMC
Crest Factor	: 1
Scan Type	: Complete
Area Scan	: 11x9x1: Measurement x=10mm, y=10mm, z=4mm
Zoom Scan	: 7x7x7: Measurement x=5mm, y=5mm, z=5mm
Power Drift-Start	: 0.003 W/kg
Power Drift-Finish	: 0.003 W/kg
Power Drift (%)	: -0.944
Tissue Data	
Type	: Head
Frequency	: 1880.0 MHz
Epsilon	: 39.12 F/m
Sigma	: 1.42 S/m
Density	: 1000.00 kg/cu. m
Probe Data	
Serial No.	: 500-00283
Frequency Band	: 1900
Duty Cycle Factor	: 1
Conversion Factor	: 4.8
Probe Sensitivity	: 1.20 1.20 1.20 µV/(V/m)2
Compression Point	: 95.00 mV
Offset	: 1.56 mm
1 gram SAR value	: 0.145 W/kg
10 gram SAR value	: 0.062 W/kg
Area Scan Peak SAR	: 0.156 W/kg
Zoom Scan Peak SAR	: 0.240 W/kg

Plot 28#



Test Laboratory: Bay Area Compliance Lab Corp. (Shenzhen)

WCDMA 1900; Right Head Cheek (1907.6 MHz High Channel)

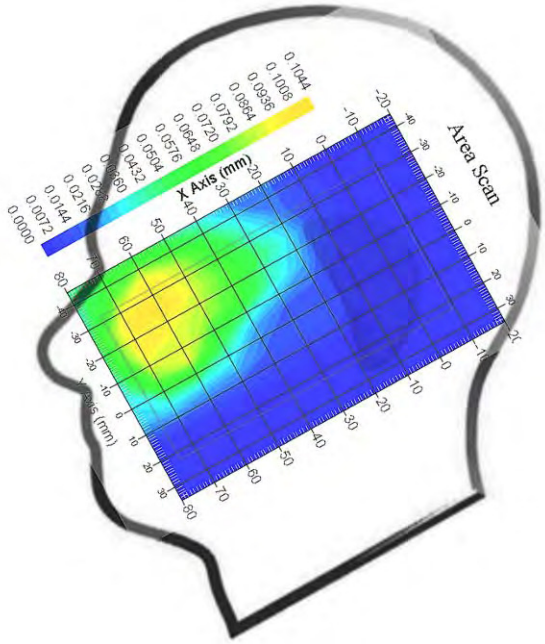
Measurement Data
Test mode : RMC
Crest Factor : 1
Scan Type : Complete
Area Scan : 11x9x1: Measurement x=10mm, y=10mm, z=4mm
Zoom Scan : 7x7x7: Measurement x=5mm, y=5mm, z=5mm
Power Drift-Start : 0.009 W/kg
Power Drift-Finish : 0.009 W/kg
Power Drift (%) : -4.197

Tissue Data
Type : Head
Frequency : 1907.6 MHz
Epsilon : 39.42 F/m
Sigma : 1.42 S/m
Density : 1000.00 kg/cu. m

Probe Data
Serial No. : 500-00283
Frequency Band : 1900
Duty Cycle Factor : 1
Conversion Factor : 4.8
Probe Sensitivity : 1.20 1.20 1.20 µV/(V/m)2
Compression Point : 95.00 mV
Offset : 1.56 mm

1 gram SAR value : 0.096 W/kg
10 gram SAR value : 0.042 W/kg
Area Scan Peak SAR : 0.104 W/kg
Zoom Scan Peak SAR : 0.168 W/kg

Plot 29#



Test Laboratory: Bay Area Compliance Lab Corp. (Shenzhen)

WCDMA 1900; Right Head Tilt 15^0 (1880.0 MHz Middle Channel)

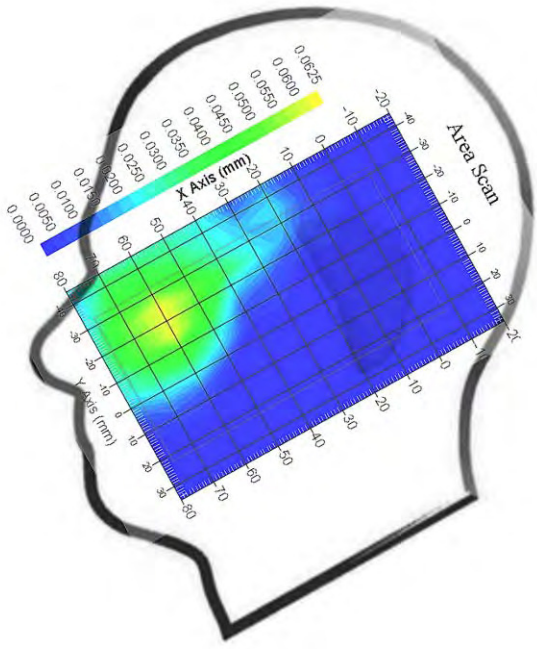
Measurement Data
Test mode : RMC
Crest Factor : 1
Scan Type : Complete
Area Scan : 11x9x1: Measurement x=10mm, y=10mm, z=4mm
Zoom Scan : 7x7x7: Measurement x=5mm, y=5mm, z=5mm
Power Drift-Start : 0.013 W/kg
Power Drift-Finish : 0.013 W/kg
Power Drift (%) : -3.486

Tissue Data
Type : Head
Frequency : 1880.0 MHz
Epsilon : 39.12 F/m
Sigma : 1.42 S/m
Density : 1000.00 kg/cu. m

Probe Data
Serial No. : 500-00283
Frequency Band : 1900
Duty Cycle Factor : 1
Conversion Factor : 4.8
Probe Sensitivity : 1.20 1.20 1.20 µV/(V/m)2
Compression Point : 95.00 mV
Offset : 1.56 mm

1 gram SAR value : 0.058 W/kg
10 gram SAR value : 0.026 W/kg
Area Scan Peak SAR : 0.062 W/kg
Zoom Scan Peak SAR : 0.093 W/kg

Plot 30#

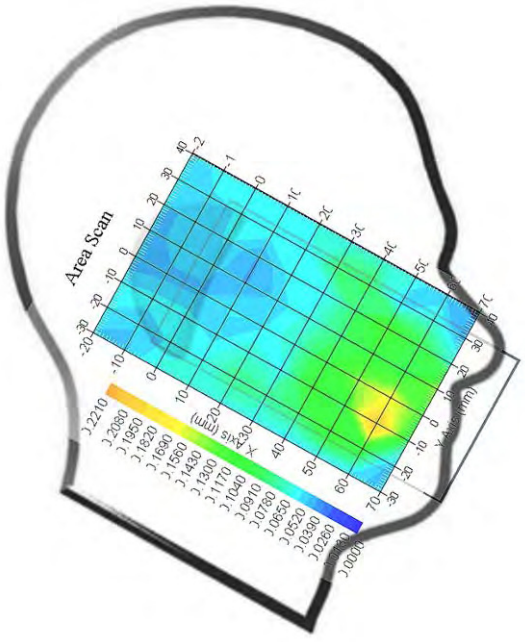


Test Laboratory: Bay Area Compliance Lab Corp. (Shenzhen)

LTE FDD Band2; Left-Head-Cheek (1900 MHz High Channel);

Measurement Data	
Test mode	: RB1
Crest Factor	: 1
Scan Type：	: Complete
Area Scan	: 8x11x1 : Measurement x=10mm, y=10mm, z=4mm
Zoom Scan	: 7x7x7 : Measurement x=5mm, y=5mm, z=5mm
Power Drift-Start	: 0.002 W/kg
Power Drift-Finish	: 0.002 W/kg
Power Drift (%)	: -4.795
Tissue Data	
Type	: Head
Frequency	: 1900 MHz
Epsilon	: 38.49 F/m
Sigma	: 1.42 S/m
Density	: 1000.00 kg/cu. m
Probe Data	
Serial No.	: 500-00283
Frequency Band	: 1900
Duty Cycle Factor	: 1
Conversion Factor	: 4.8
Probe Sensitivity	: 1.20 1.20 1.20 μV/(V/m)2
Compression Point	: 95.00 mV
Offset	: 1.56 mm
1 gram SAR value	: 0.195 W/kg
10 gram SAR value	: 0.116 W/kg
Area Scan Peak SAR	: 0.221 W/kg
Zoom Scan Peak SAR	: 0.369 W/kg

Plot 31#

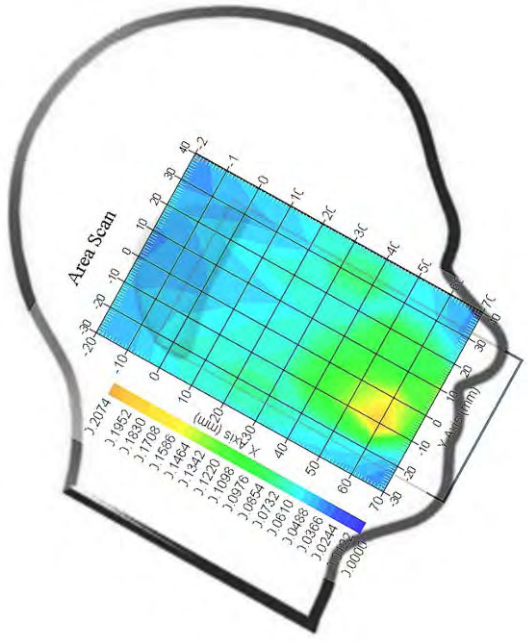


Test Laboratory: Bay Area Compliance Lab Corp. (Shenzhen)

LTE FDD Band2; Left-Head-Cheek (1860 MHz Low Channel);

Measurement Data	
Test mode	: 50%RB
Crest Factor	: 1
Scan Type：	: Complete
Area Scan	: 8x11x1 : Measurement x=10mm, y=10mm, z=4mm
Zoom Scan	: 7x7x7 : Measurement x=5mm, y=5mm, z=5mm
Power Drift-Start	: 0.014 W/kg
Power Drift-Finish	: 0.014 W/kg
Power Drift (%)	: -2.446
Tissue Data	
Type	: Head
Frequency	: 1860 MHz
Epsilon	: 39.60 F/m
Sigma	: 1.40 S/m
Density	: 1000.00 kg/cu. m
Probe Data	
Serial No.	: 500-00283
Frequency Band	: 1900
Duty Cycle Factor	: 1
Conversion Factor	: 4.8
Probe Sensitivity	: 1.20 1.20 1.20 μV/(V/m)2
Compression Point	: 95.00 mV
Offset	: 1.56 mm
1 gram SAR value	: 0.168 W/kg
10 gram SAR value	: 0.104 W/kg
Area Scan Peak SAR	: 0.207 W/kg
Zoom Scan Peak SAR	: 0.311 W/kg

Plot 32#



Test Laboratory: Bay Area Compliance Lab Corp. (Shenzhen)

LTE FDD Band2; Left-Head-Tilt 15^0 (1900 MHz High Channel);

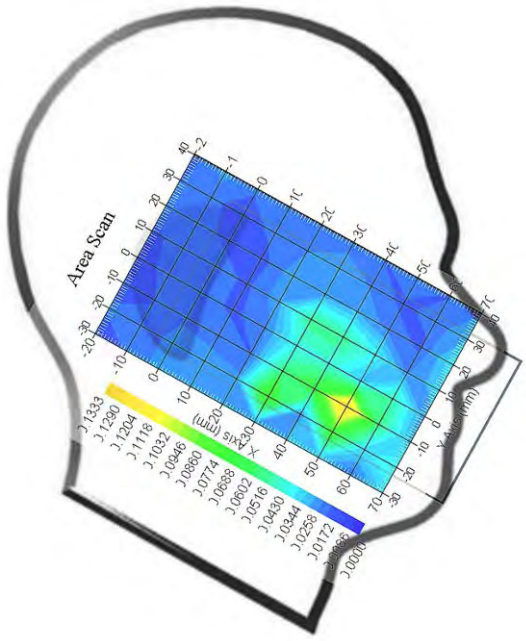
Measurement Data
Test mode : RB1
Crest Factor : 1
Scan Type： : Complete
Area Scan : 8x11x1 : Measurement x=10mm, y=10mm, z=4mm
Zoom Scan : 7x7x7 : Measurement x=5mm, y=5mm, z=5mm
Power Drift-Start : 0.001 W/kg
Power Drift-Finish : 0.001 W/kg
Power Drift (%) : -3.476

Tissue Data
Type : Head
Frequency : 1900 MHz
Epsilon : 38.49 F/m
Sigma : 1.42 S/m
Density : 1000.00 kg/cu. m

Probe Data
Serial No. : 500-00283
Frequency Band : 1900
Duty Cycle Factor : 1
Conversion Factor : 4.8
Probe Sensitivity : 1.20 1.20 1.20 μV/(V/m)2
Compression Point : 95.00 mV
Offset : 1.56 mm

1 gram SAR value : 0.089 W/kg
10 gram SAR value : 0.038 W/kg
Area Scan Peak SAR : 0.133 W/kg
Zoom Scan Peak SAR : 0.227 W/kg

Plot 33#



Test Laboratory: Bay Area Compliance Lab Corp. (Shenzhen)

LTE FDD Band2; Left-Head-Tilt 15^0 (1860 MHz Low Channel);

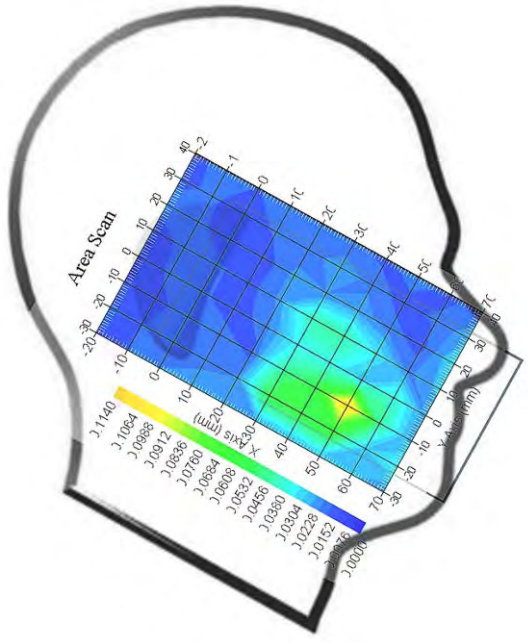
Measurement Data
Test mode : 50%RB
Crest Factor : 1
Scan Type： : Complete
Area Scan : 8x11x1 : Measurement x=10mm, y=10mm, z=4mm
Zoom Scan : 7x7x7 : Measurement x=5mm, y=5mm, z=5mm
Power Drift-Start : 0.004 W/kg
Power Drift-Finish : 0.004 W/kg
Power Drift (%) : -2.663

Tissue Data
Type : Head
Frequency : 1860 MHz
Epsilon : 39.60 F/m
Sigma : 1.40 S/m
Density : 1000.00 kg/cu. m

Probe Data
Serial No. : 500-00283
Frequency Band : 1900
Duty Cycle Factor : 1
Conversion Factor : 4.8
Probe Sensitivity : 1.20 1.20 1.20 μV/(V/m)2
Compression Point : 95.00 mV
Offset : 1.56 mm

1 gram SAR value : 0.077 W/kg
10 gram SAR value : 0.032 W/kg
Area Scan Peak SAR : 0.114 W/kg
Zoom Scan Peak SAR : 0.163 W/kg

Plot 34#

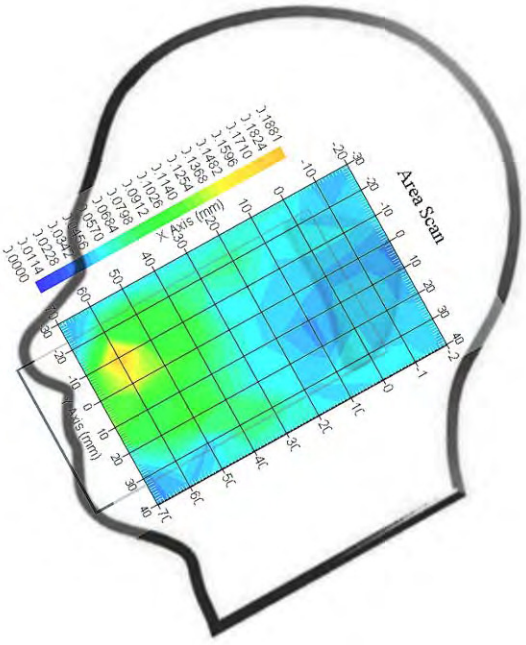


Test Laboratory: Bay Area Compliance Lab Corp. (Shenzhen)

LTE FDD Band2; Right-Head-Cheek (1900 MHz High Channel);

Measurement Data	
Test mode	: RB1
Crest Factor	: 1
Scan Type：	: Complete
Area Scan	: 8x11x1 : Measurement x=10mm, y=10mm, z=4mm
Zoom Scan	: 7x7x7 : Measurement x=5mm, y=5mm, z=5mm
Power Drift-Start	: 0.029 W/kg
Power Drift-Finish	: 0.029 W/kg
Power Drift (%)	: -1.196
Tissue Data	
Type	: Head
Frequency	: 1900 MHz
Epsilon	: 38.49 F/m
Sigma	: 1.42 S/m
Density	: 1000.00 kg/cu. m
Probe Data	
Serial No.	: 500-00283
Frequency Band	: 1900
Duty Cycle Factor	: 1
Conversion Factor	: 4.8
Probe Sensitivity	: 1.20 1.20 1.20 μV/(V/m)2
Compression Point	: 95.00 mV
Offset	: 1.56 mm
1 gram SAR value	: 0.155 W/kg
10 gram SAR value	: 0.095 W/kg
Area Scan Peak SAR	: 0.188 W/kg
Zoom Scan Peak SAR	: 0.275 W/kg

Plot 35#



Test Laboratory: Bay Area Compliance Lab Corp. (Shenzhen)

LTE FDD Band2; Right -Head-Cheek (1860 MHz Low Channel);

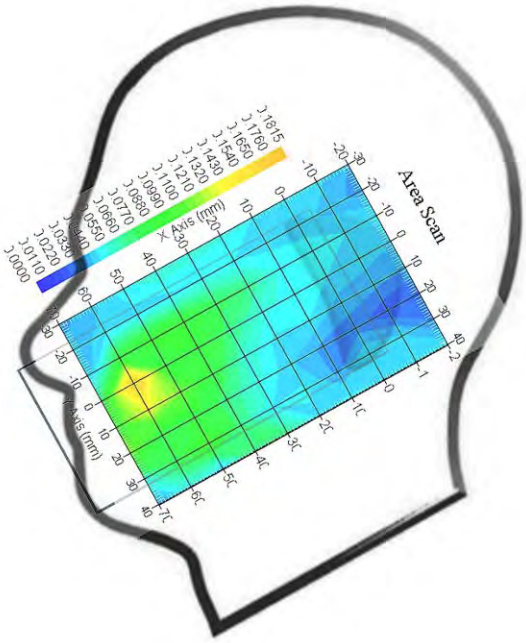
Measurement Data
Test mode : 50%RB
Crest Factor : 1
Scan Type： : Complete
Area Scan : 8x11x1 : Measurement x=10mm, y=10mm, z=4mm
Zoom Scan : 7x7x7 : Measurement x=5mm, y=5mm, z=5mm
Power Drift-Start : 0.017 W/kg
Power Drift-Finish : 0.017 W/kg
Power Drift (%) : -3.332

Tissue Data
Type : Head
Frequency : 1860 MHz
Epsilon : 39.60 F/m
Sigma : 1.40 S/m
Density : 1000.00 kg/cu. m

Probe Data
Serial No. : 500-00283
Frequency Band : 1900
Duty Cycle Factor : 1
Conversion Factor : 4.8
Probe Sensitivity : 1.20 1.20 1.20 μV/(V/m)2
Compression Point : 95.00 mV
Offset : 1.56 mm

1 gram SAR value : 0.147 W/kg
10 gram SAR value : 0.089 W/kg
Area Scan Peak SAR : 0.181 W/kg
Zoom Scan Peak SAR : 0.284 W/kg

Plot 36#



Test Laboratory: Bay Area Compliance Lab Corp. (Shenzhen)

LTE FDD Band 2; Right-Head-Tilt 15^0 (1900 MHz High Channel);

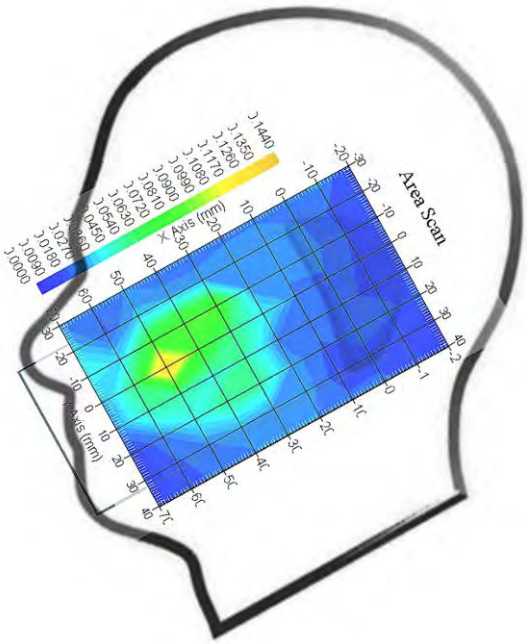
Measurement Data
Test mode : RB1
Crest Factor : 1
Scan Type： : Complete
Area Scan : 8x11x1 : Measurement x=10mm, y=10mm, z=4mm
Zoom Scan : 7x7x7 : Measurement x=5mm, y=5mm, z=5mm
Power Drift-Start : 0.003 W/kg
Power Drift-Finish : 0.003 W/kg
Power Drift (%) : -4.068

Tissue Data
Type : Head
Frequency : 1900 MHz
Epsilon : 38.49 F/m
Sigma : 1.42 S/m
Density : 1000.00 kg/cu. m

Probe Data
Serial No. : 500-00283
Frequency Band : 1900
Duty Cycle Factor : 1
Conversion Factor : 4.8
Probe Sensitivity : 1.20 1.20 1.20 μV/(V/m)2
Compression Point : 95.00 mV
Offset : 1.56 mm

1 gram SAR value : 0.102 W/kg
10 gram SAR value : 0.043 W/kg
Area Scan Peak SAR : 0.141 W/kg
Zoom Scan Peak SAR : 0.196 W/kg

Plot 37#



Test Laboratory: Bay Area Compliance Lab Corp. (Shenzhen)

LTE FDD Band2; Right-Head-Tilt 15^0 (1860 MHz Low Channel);

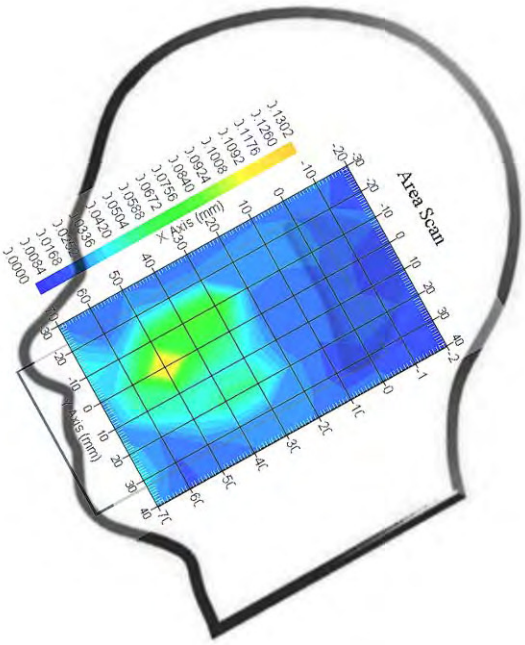
Measurement Data
Test mode : 50%RB
Crest Factor : 1
Scan Type： : Complete
Area Scan : 8x11x1 : Measurement x=10mm, y=10mm, z=4mm
Zoom Scan : 7x7x7 : Measurement x=5mm, y=5mm, z=5mm
Power Drift-Start : 0.008 W/kg
Power Drift-Finish : 0.008 W/kg
Power Drift (%) : -3.674

Tissue Data
Type : Head
Frequency : 1860 MHz
Epsilon : 39.60 F/m
Sigma : 1.40 S/m
Density : 1000.00 kg/cu. m

Probe Data
Serial No. : 500-00283
Frequency Band : 1900
Duty Cycle Factor : 1
Conversion Factor : 4.8
Probe Sensitivity : 1.20 1.20 1.20 μV/(V/m)2
Compression Point : 95.00 mV
Offset : 1.56 mm

1 gram SAR value : 0.092 W/kg
10 gram SAR value : 0.043 W/kg
Area Scan Peak SAR : 0.130 W/kg
Zoom Scan Peak SAR : 0.194 W/kg

Plot 38#

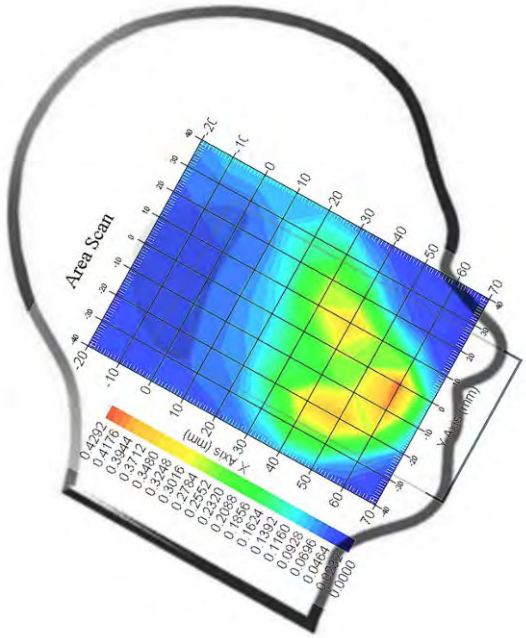


Test Laboratory: Bay Area Compliance Lab Corp. (Shenzhen)

LTE FDD Band 4; Left-Head-Cheek (1745 MHz High Channel);

Measurement Data	
Test mode	: RB1
Crest Factor	: 1
Scan Type：	: Complete
Area Scan	: 8x11x1 : Measurement x=10mm, y=10mm, z=4mm
Zoom Scan	: 7x7x7 : Measurement x=5mm, y=5mm, z=5mm
Power Drift-Start	: 0.005 W/kg
Power Drift-Finish	: 0.005 W/kg
Power Drift (%)	: -4.262
Tissue Data	
Type	: Head
Frequency	: 1745 MHz
Epsilon	: 39.00 F/m
Sigma	: 1.42 S/m
Density	: 1000.00 kg/cu. m
Probe Data	
Serial No.	: 500-00283
Frequency Band	: 1750
Duty Cycle Factor	: 1
Conversion Factor	: 5.4
Probe Sensitivity	: 1.20 1.20 1.20 μV/(V/m)2
Compression Point	: 95.00 mV
Offset	: 1.56 mm
1 gram SAR value	: 0.396 W/kg
10 gram SAR value	: 0.195 W/kg
Area Scan Peak SAR	: 0.429 W/kg
Zoom Scan Peak SAR	: 0.643 W/kg

Plot 39#

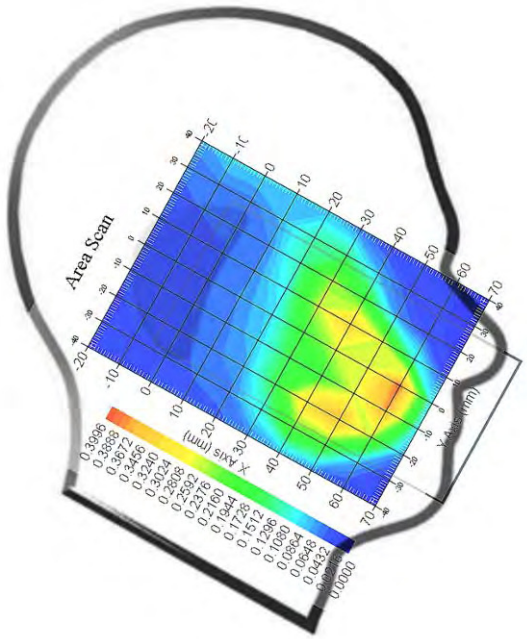


Test Laboratory: Bay Area Compliance Lab Corp. (Shenzhen)

LTE FDD Band 4; Left-Head-Cheek (1720 MHz Low Channel);

Measurement Data	
Test mode	: 50%RB
Crest Factor	: 1
Scan Type：	: Complete
Area Scan	: 8x11x1 : Measurement x=10mm, y=10mm, z=4mm
Zoom Scan	: 7x7x7 : Measurement x=5mm, y=5mm, z=5mm
Power Drift-Start	: 0.015 W/kg
Power Drift-Finish	: 0.015 W/kg
Power Drift (%)	: -2.367
Tissue Data	
Type	: Head
Frequency	: 1720 MHz
Epsilon	: 39.45 F/m
Sigma	: 1.37 S/m
Density	: 1000.00 kg/cu. m
Probe Data	
Serial No.	: 500-00283
Frequency Band	: 1750
Duty Cycle Factor	: 1
Conversion Factor	: 5.4
Probe Sensitivity	: 1.20 1.20 1.20 μV/(V/m)2
Compression Point	: 95.00 mV
Offset	: 1.56 mm
1 gram SAR value	: 0.352 W/kg
10 gram SAR value	: 0.188 W/kg
Area Scan Peak SAR	: 0.399 W/kg
Zoom Scan Peak SAR	: 0.582 W/kg

Plot 40#



Test Laboratory: Bay Area Compliance Lab Corp. (Shenzhen)

LTE FDD Band 4; Left-Head-Tilt 15^0 (1745 MHz High Channel);

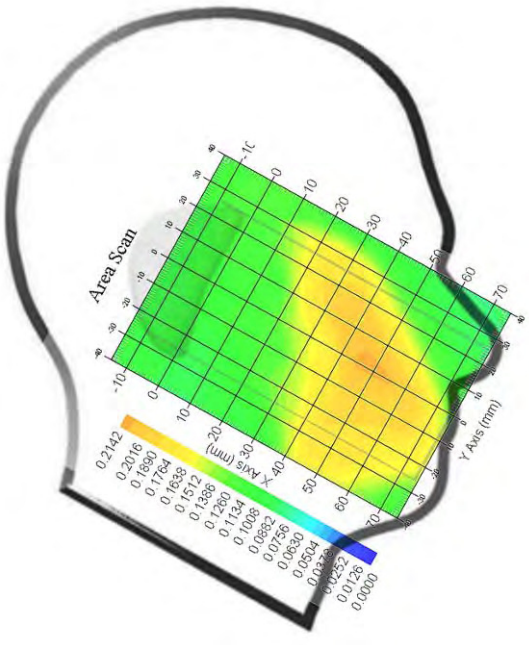
Measurement Data
Test mode : RB1
Crest Factor : 1
Scan Type： : Complete
Area Scan : 8x11x1 : Measurement x=10mm, y=10mm, z=4mm
Zoom Scan : 7x7x7 : Measurement x=5mm, y=5mm, z=5mm
Power Drift-Start : 0.013 W/kg
Power Drift-Finish : 0.013 W/kg
Power Drift (%) : -2.697

Tissue Data
Type : Head
Frequency : 1745 MHz
Epsilon : 39.00 F/m
Sigma : 1.42 S/m
Density : 1000.00 kg/cu. m

Probe Data
Serial No. : 500-00283
Frequency Band : 1750
Duty Cycle Factor : 1
Conversion Factor : 5.4
Probe Sensitivity : 1.20 1.20 1.20 μV/(V/m)2
Compression Point : 95.00 mV
Offset : 1.56 mm

1 gram SAR value : 0.204 W/kg
10 gram SAR value : 0.139 W/kg
Area Scan Peak SAR : 0.214 W/kg
Zoom Scan Peak SAR : 0.325 W/kg

Plot 41#



Test Laboratory: Bay Area Compliance Lab Corp. (Shenzhen)

LTE FDD Band 4; Left-Head-Tilt 15^0 (1720 MHz Low Channel);

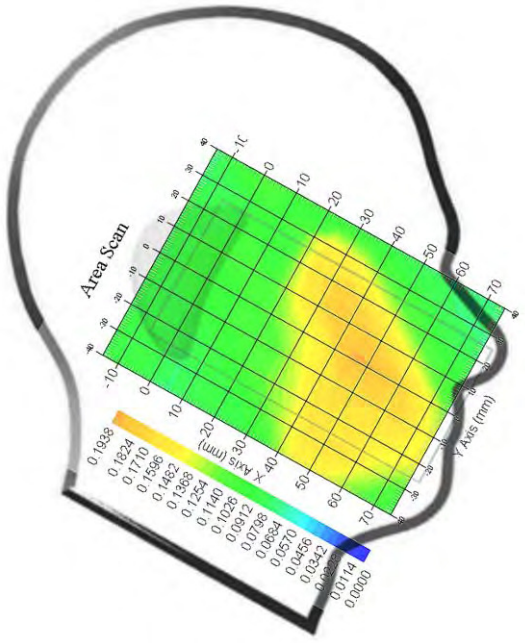
Measurement Data
Test mode : 50%RB
Crest Factor : 1
Scan Type： : Complete
Area Scan : 8x11x1 : Measurement x=10mm, y=10mm, z=4mm
Zoom Scan : 7x7x7 : Measurement x=5mm, y=5mm, z=5mm
Power Drift-Start : 0.008 W/kg
Power Drift-Finish : 0.008 W/kg
Power Drift (%) : -3.186

Tissue Data
Type : Head
Frequency : 1720 MHz
Epsilon : 39.45 F/m
Sigma : 1.37 S/m
Density : 1000.00 kg/cu. m

Probe Data
Serial No. : 500-00283
Frequency Band : 1750
Duty Cycle Factor : 1
Conversion Factor : 5.4
Probe Sensitivity : 1.20 1.20 1.20 μV/(V/m)2
Compression Point : 95.00 mV
Offset : 1.56 mm

1 gram SAR value : 0.185 W/kg
10 gram SAR value : 0.126 W/kg
Area Scan Peak SAR : 0.193 W/kg
Zoom Scan Peak SAR : 0.288 W/kg

Plot 42#

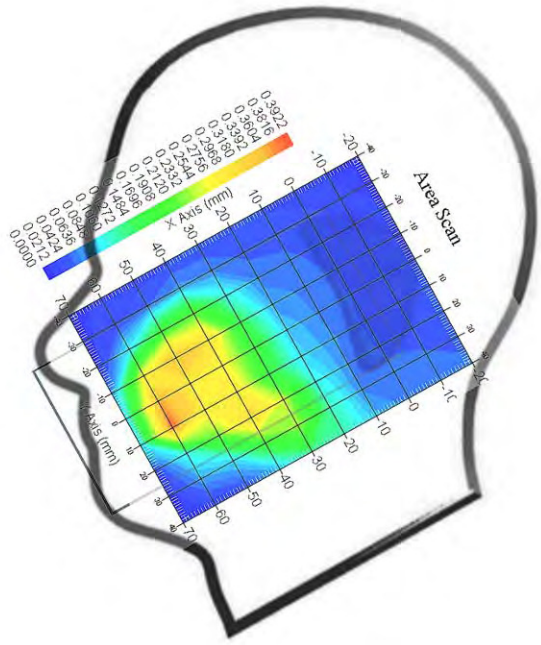


Test Laboratory: Bay Area Compliance Lab Corp. (Shenzhen)

LTE FDD Band 4; Right-Head-Cheek (1745 MHz High Channel);

Measurement Data	
Test mode	: RB1
Crest Factor	: 1
Scan Type：	: Complete
Area Scan	: 8x11x1 : Measurement x=10mm, y=10mm, z=4mm
Zoom Scan	: 7x7x7 : Measurement x=5mm, y=5mm, z=5mm
Power Drift-Start	: 0.002 W/kg
Power Drift-Finish	: 0.002 W/kg
Power Drift (%)	: -2.226
Tissue Data	
Type	: Head
Frequency	: 1745 MHz
Epsilon	: 39.00 F/m
Sigma	: 1.42 S/m
Density	: 1000.00 kg/cu. m
Probe Data	
Serial No.	: 500-00283
Frequency Band	: 1750
Duty Cycle Factor	: 1
Conversion Factor	: 5.4
Probe Sensitivity	: 1.20 1.20 1.20 μV/(V/m)2
Compression Point	: 95.00 mV
Offset	: 1.56 mm
1 gram SAR value	: 0.344 W/kg
10 gram SAR value	: 0.169 W/kg
Area Scan Peak SAR	: 0.392 W/kg
Zoom Scan Peak SAR	: 0.540 W/kg

Plot 43#

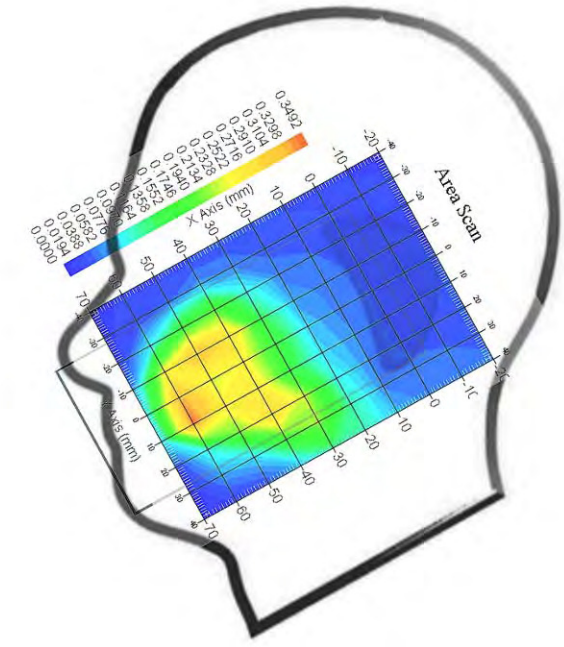


Test Laboratory: Bay Area Compliance Lab Corp. (Shenzhen)

LTE FDD Band 4; Right-Head-Cheek (1720 MHz Low Channel);

Measurement Data	
Test mode	: 50%RB
Crest Factor	: 1
Scan Type：	: Complete
Area Scan	: 8x11x1 : Measurement x=10mm, y=10mm, z=4mm
Zoom Scan	: 7x7x7 : Measurement x=5mm, y=5mm, z=5mm
Power Drift-Start	: 0.011 W/kg
Power Drift-Finish	: 0.011 W/kg
Power Drift (%)	: -2.778
Tissue Data	
Type	: Head
Frequency	: 1720 MHz
Epsilon	: 39.45 F/m
Sigma	: 1.37 S/m
Density	: 1000.00 kg/cu. m
Probe Data	
Serial No.	: 500-00283
Frequency Band	: 1750
Duty Cycle Factor	: 1
Conversion Factor	: 5.4
Probe Sensitivity	: 1.20 1.20 1.20 μV/(V/m)2
Compression Point	: 95.00 mV
Offset	: 1.56 mm
1 gram SAR value	: 0.298 W/kg
10 gram SAR value	: 0.152 W/kg
Area Scan Peak SAR	: 0.349 W/kg
Zoom Scan Peak SAR	: 0.495 W/kg

Plot 44#



Test Laboratory: Bay Area Compliance Lab Corp. (Shenzhen)

LTE FDD Band 4; Right-Head-Tilt 15^0 (1745 MHz High Channel);

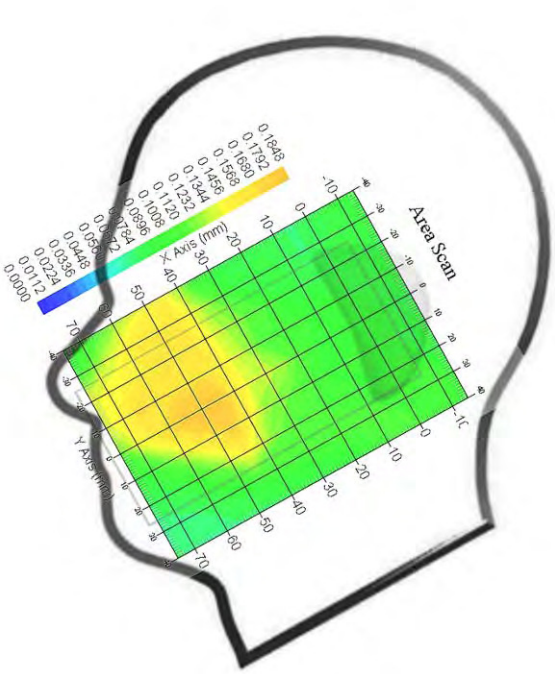
Measurement Data
Test mode : RB1
Crest Factor : 1
Scan Type： : Complete
Area Scan : 8x11x1 : Measurement x=10mm, y=10mm, z=4mm
Zoom Scan : 7x7x7 : Measurement x=5mm, y=5mm, z=5mm
Power Drift-Start : 0.019 W/kg
Power Drift-Finish : 0.019 W/kg
Power Drift (%) : -3.765

Tissue Data
Type : Head
Frequency : 1745 MHz
Epsilon : 39.00 F/m
Sigma : 1.42 S/m
Density : 1000.00 kg/cu. m

Probe Data
Serial No. : 500-00283
Frequency Band : 1750
Duty Cycle Factor : 1
Conversion Factor : 5.4
Probe Sensitivity : 1.20 1.20 1.20 μV/(V/m)2
Compression Point : 95.00 mV
Offset : 1.56 mm

1 gram SAR value : 0.169 W/kg
10 gram SAR value : 0.115 W/kg
Area Scan Peak SAR : 0.184 W/kg
Zoom Scan Peak SAR : 0.270 W/kg

Plot 45#



Test Laboratory: Bay Area Compliance Lab Corp. (Shenzhen)

LTE FDD Band 4; Right-Head-Tilt 15^0 (1720 MHz Low Channel);

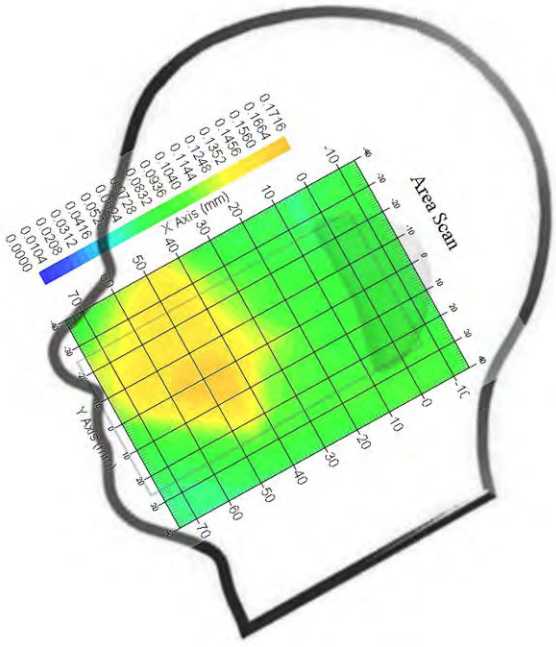
Measurement Data
Test mode : 50%RB
Crest Factor : 1
Scan Type： : Complete
Area Scan : 8x11x1 : Measurement x=10mm, y=10mm, z=4mm
Zoom Scan : 7x7x7 : Measurement x=5mm, y=5mm, z=5mm
Power Drift-Start : 0.004 W/kg
Power Drift-Finish : 0.004 W/kg
Power Drift (%) : -0.859

Tissue Data
Type : Head
Frequency : 1720 MHz
Epsilon : 39.45 F/m
Sigma : 1.37 S/m
Density : 1000.00 kg/cu. m

Probe Data
Serial No. : 500-00283
Frequency Band : 1750
Duty Cycle Factor : 1
Conversion Factor : 5.4
Probe Sensitivity : 1.20 1.20 1.20 μV/(V/m)2
Compression Point : 95.00 mV
Offset : 1.56 mm

1 gram SAR value : 0.148 W/kg
10 gram SAR value : 0.104 W/kg
Area Scan Peak SAR : 0.171 W/kg
Zoom Scan Peak SAR : 0.229 W/kg

Plot 46#

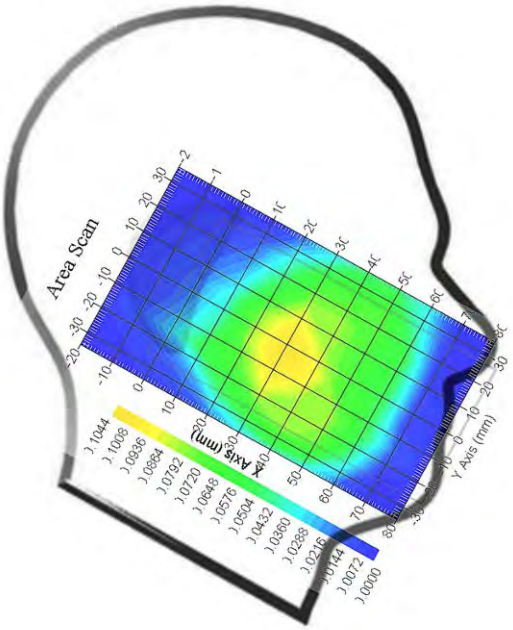


Test Laboratory: Bay Area Compliance Lab Corp. (Shenzhen)

LTE FDD Band 5; Left-Head-Cheek (836.5 MHz Middle Channel);

Measurement Data	
Test mode	: RB1
Crest Factor	: 1
Scan Type：	: Complete
Area Scan	: 8x11x1 : Measurement x=10mm, y=10mm, z=4mm
Zoom Scan	: 7x7x7 : Measurement x=5mm, y=5mm, z=5mm
Power Drift-Start	: 0.006 W/kg
Power Drift-Finish	: 0.006 W/kg
Power Drift (%)	: -2.641
Tissue Data	
Type	: Head
Frequency	: 836.5 MHz
Epsilon	: 41.16 F/m
Sigma	: 0.89 S/m
Density	: 1000.00 kg/cu. m
Probe Data	
Serial No.	: 500-00283
Frequency Band	: 835
Duty Cycle Factor	: 1
Conversion Factor	: 5.9
Probe Sensitivity	: 1.20 1.20 1.20 μV/(V/m)2
Compression Point	: 95.00 mV
Offset	: 1.56 mm
1 gram SAR value	: 0.095 W/kg
10 gram SAR value	: 0.050 W/kg
Area Scan Peak SAR	: 0.104 W/kg
Zoom Scan Peak SAR	: 0.173 W/kg

Plot 47#

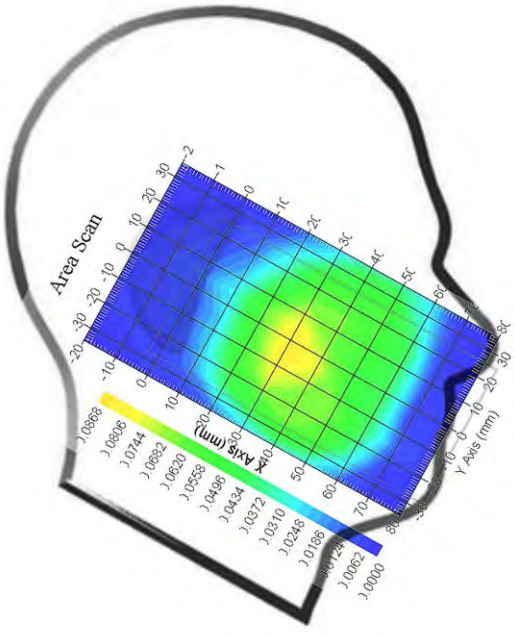


Test Laboratory: Bay Area Compliance Lab Corp. (Shenzhen)

LTE FDD Band 5; Left-Head-Cheek (836.5 MHz Middle Channel);

Measurement Data	
Test mode	: 50%RB
Crest Factor	: 1
Scan Type：	: Complete
Area Scan	: 8x11x1 : Measurement x=10mm, y=10mm, z=4mm
Zoom Scan	: 7x7x7 : Measurement x=5mm, y=5mm, z=5mm
Power Drift-Start	: 0.002 W/kg
Power Drift-Finish	: 0.002 W/kg
Power Drift (%)	: -1.528
Tissue Data	
Type	: Head
Frequency	: 836.5 MHz
Epsilon	: 41.16 F/m
Sigma	: 0.89 S/m
Density	: 1000.00 kg/cu. m
Probe Data	
Serial No.	: 500-00283
Frequency Band	: 835
Duty Cycle Factor	: 1
Conversion Factor	: 5.9
Probe Sensitivity	: 1.20 1.20 1.20 μV/(V/m)2
Compression Point	: 95.00 mV
Offset	: 1.56 mm
1 gram SAR value	: 0.074 W/kg
10 gram SAR value	: 0.038 W/kg
Area Scan Peak SAR	: 0.086 W/kg
Zoom Scan Peak SAR	: 0.129 W/kg

Plot 48#



Test Laboratory: Bay Area Compliance Lab Corp. (Shenzhen)

LTE FDD Band 5; Left-Head-Tilt 15^0 (836.5 MHz Middle Channel);

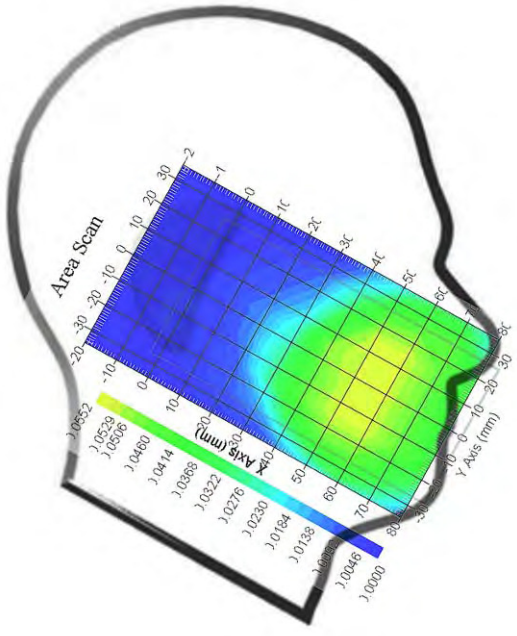
Measurement Data
Test mode : RB1
Crest Factor : 1
Scan Type： : Complete
Area Scan : 8x11x1 : Measurement x=10mm, y=10mm, z=4mm
Zoom Scan : 7x7x7 : Measurement x=5mm, y=5mm, z=5mm
Power Drift-Start : 0.001 W/kg
Power Drift-Finish : 0.001 W/kg
Power Drift (%) : -1.948

Tissue Data
Type : Head
Frequency : 836.5 MHz
Epsilon : 41.16 F/m
Sigma : 0.89 S/m
Density : 1000.00 kg/cu. m

Probe Data
Serial No. : 500-00283
Frequency Band : 835
Duty Cycle Factor : 1
Conversion Factor : 5.9
Probe Sensitivity : 1.20 1.20 1.20 μV/(V/m)2
Compression Point : 95.00 mV
Offset : 1.56 mm

1 gram SAR value : 0.046 W/kg
10 gram SAR value : 0.028 W/kg
Area Scan Peak SAR : 0.055 W/kg
Zoom Scan Peak SAR : 0.079 W/kg

Plot 49#



Test Laboratory: Bay Area Compliance Lab Corp. (Shenzhen)

LTE FDD Band 5; Left-Head-Tilt 15^0 (836.5 MHz Middle Channel);

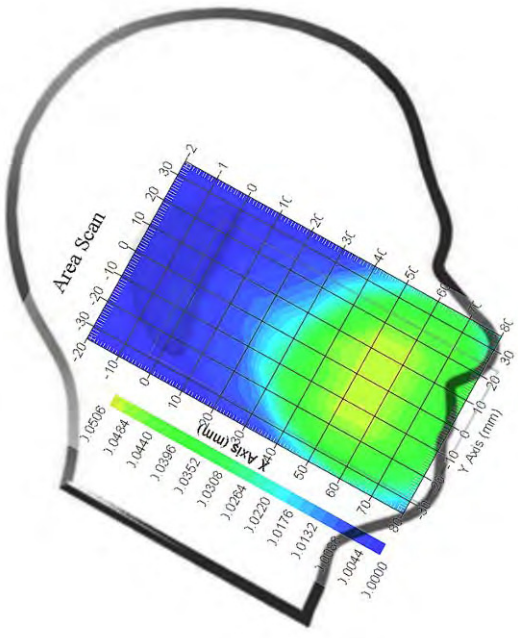
Measurement Data
Test mode : 50%RB
Crest Factor : 1
Scan Type： : Complete
Area Scan : 8x11x1 : Measurement x=10mm, y=10mm, z=4mm
Zoom Scan : 7x7x7 : Measurement x=5mm, y=5mm, z=5mm
Power Drift-Start : 0.003 W/kg
Power Drift-Finish : 0.003 W/kg
Power Drift (%) : -2.889

Tissue Data
Type : Head
Frequency : 836.5 MHz
Epsilon : 41.16 F/m
Sigma : 0.89 S/m
Density : 1000.00 kg/cu. m

Probe Data
Serial No. : 500-00283
Frequency Band : 835
Duty Cycle Factor : 1
Conversion Factor : 5.9
Probe Sensitivity : 1.20 1.20 1.20 μV/(V/m)2
Compression Point : 95.00 mV
Offset : 1.56 mm

1 gram SAR value : 0.044 W/kg
10 gram SAR value : 0.026 W/kg
Area Scan Peak SAR : 0.050 W/kg
Zoom Scan Peak SAR : 0.077 W/kg

Plot 50#



Test Laboratory: Bay Area Compliance Lab Corp. (Shenzhen)

LTE FDD Band 5; Right-Head-Cheek (836.5 MHz Middle Channel);

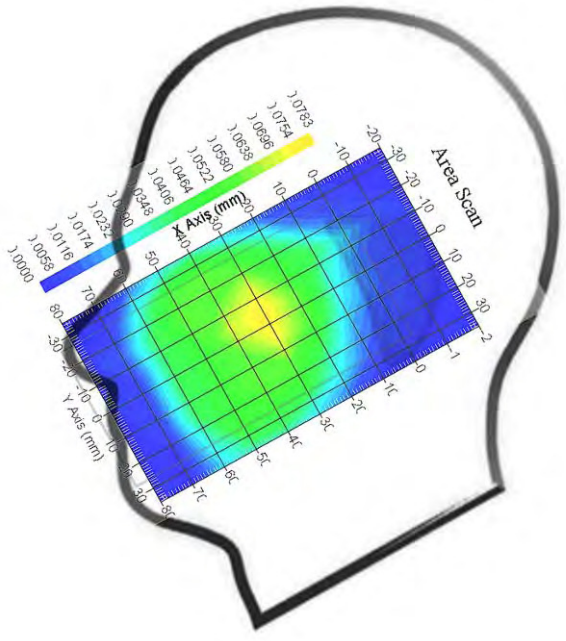
Measurement Data
Test mode : RB1
Crest Factor : 1
Scan Type： : Complete
Area Scan : 8x11x1 : Measurement x=10mm, y=10mm, z=4mm
Zoom Scan : 7x7x7 : Measurement x=5mm, y=5mm, z=5mm
Power Drift-Start : 0.022 W/kg
Power Drift-Finish : 0.022 W/kg
Power Drift (%) : -3.336

Tissue Data
Type : Head
Frequency : 836.5 MHz
Epsilon : 41.16 F/m
Sigma : 0.89 S/m
Density : 1000.00 kg/cu. m

Probe Data
Serial No. : 500-00283
Frequency Band : 835
Duty Cycle Factor : 1
Conversion Factor : 5.9
Probe Sensitivity : 1.20 1.20 1.20 µV/(V/m)2
Compression Point : 95.00 mV
Offset : 1.56 mm

1 gram SAR value : 0.068 W/kg
10 gram SAR value : 0.036 W/kg
Area Scan Peak SAR : 0.078 W/kg
Zoom Scan Peak SAR : 0.109 W/kg

Plot 51#



Test Laboratory: Bay Area Compliance Lab Corp. (Shenzhen)

LTE FDD Band 5; Right-Head-Cheek (836.5 MHz Middle Channel);

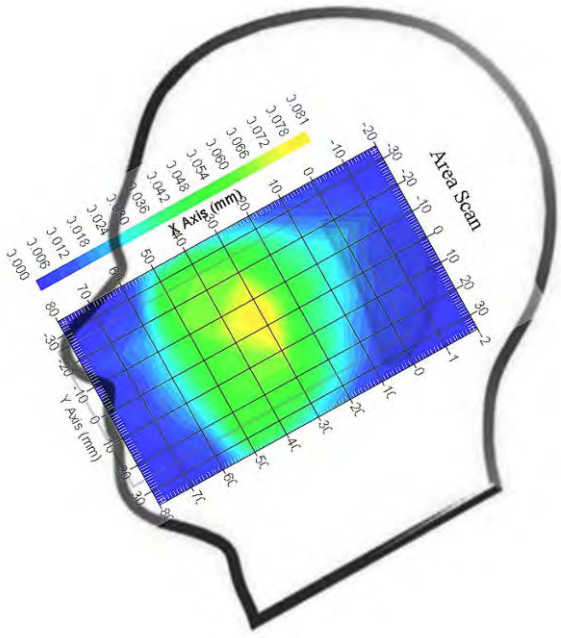
Measurement Data
Test mode : 50%RB
Crest Factor : 1
Scan Type： : Complete
Area Scan : 8x11x1 : Measurement x=10mm, y=10mm, z=4mm
Zoom Scan : 7x7x7 : Measurement x=5mm, y=5mm, z=5mm
Power Drift-Start : 0.006 W/kg
Power Drift-Finish : 0.006 W/kg
Power Drift (%) : -0.887

Tissue Data
Type : Head
Frequency : 836.5 MHz
Epsilon : 41.16 F/m
Sigma : 0.89 S/m
Density : 1000.00 kg/cu. m

Probe Data
Serial No. : 500-00283
Frequency Band : 835
Duty Cycle Factor : 1
Conversion Factor : 5.9
Probe Sensitivity : 1.20 1.20 1.20 μV/(V/m)2
Compression Point : 95.00 mV
Offset : 1.56 mm

1 gram SAR value : 0.070 W/kg
10 gram SAR value : 0.037 W/kg
Area Scan Peak SAR : 0.079 W/kg
Zoom Scan Peak SAR : 0.126 W/kg

Plot 52#



Test Laboratory: Bay Area Compliance Lab Corp. (Shenzhen)

LTE FDD Band 5; Right-Head-Tilt 15^0 (836.5 MHz Middle Channel);

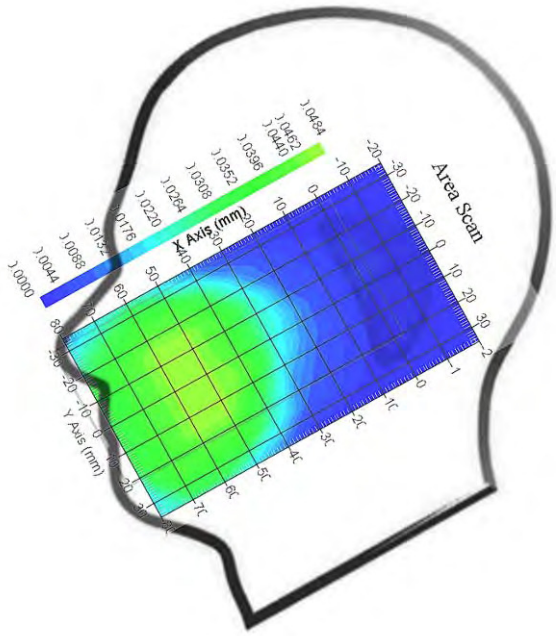
Measurement Data
Test mode : RB1
Crest Factor : 1
Scan Type： : Complete
Area Scan : 8x11x1 : Measurement x=10mm, y=10mm, z=4mm
Zoom Scan : 7x7x7 : Measurement x=5mm, y=5mm, z=5mm
Power Drift-Start : 0.001 W/kg
Power Drift-Finish : 0.001 W/kg
Power Drift (%) : -0.639

Tissue Data
Type : Head
Frequency : 836.5 MHz
Epsilon : 41.16 F/m
Sigma : 0.89 S/m
Density : 1000.00 kg/cu. m

Probe Data
Serial No. : 500-00283
Frequency Band : 835
Duty Cycle Factor : 1
Conversion Factor : 5.9
Probe Sensitivity : 1.20 1.20 1.20 μV/(V/m)2
Compression Point : 95.00 mV
Offset : 1.56 mm

1 gram SAR value : 0.043 W/kg
10 gram SAR value : 0.025 W/kg
Area Scan Peak SAR : 0.048 W/kg
Zoom Scan Peak SAR : 0.071 W/kg

Plot 53#



Test Laboratory: Bay Area Compliance Lab Corp. (Shenzhen)

LTE FDD Band 5; Right-Head-Tilt 15^0 (836.5 MHz Middle Channel);

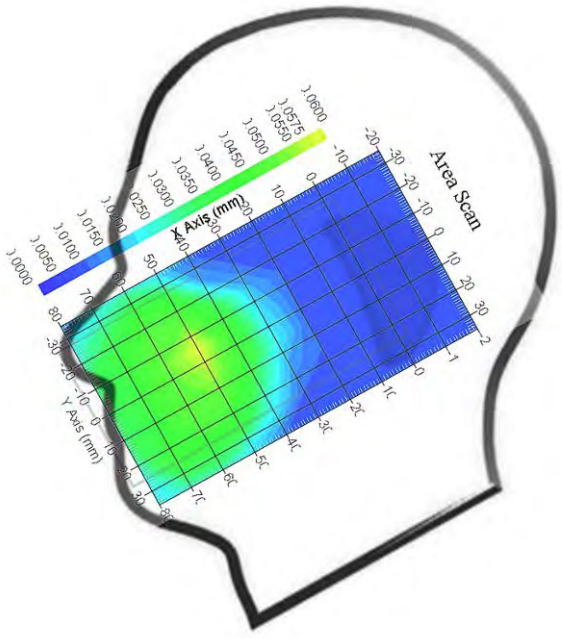
Measurement Data
Test mode : 50%RB
Crest Factor : 1
Scan Type： : Complete
Area Scan : 8x11x1 : Measurement x=10mm, y=10mm, z=4mm
Zoom Scan : 7x7x7 : Measurement x=5mm, y=5mm, z=5mm
Power Drift-Start : 0.002 W/kg
Power Drift-Finish : 0.002 W/kg
Power Drift (%) : -3.987

Tissue Data
Type : Head
Frequency : 836.5 MHz
Epsilon : 41.16 F/m
Sigma : 0.89 S/m
Density : 1000.00 kg/cu. m

Probe Data
Serial No. : 500-00283
Frequency Band : 835
Duty Cycle Factor : 1
Conversion Factor : 5.9
Probe Sensitivity : 1.20 1.20 1.20 µV/(V/m)2
Compression Point : 95.00 mV
Offset : 1.56 mm

1 gram SAR value : 0.050 W/kg
10 gram SAR value : 0.029 W/kg
Area Scan Peak SAR : 0.059 W/kg
Zoom Scan Peak SAR : 0.083 W/kg

Plot 54#

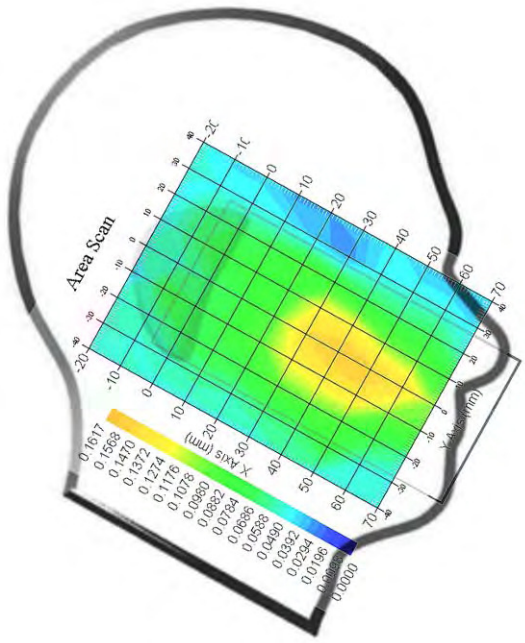


Test Laboratory: Bay Area Compliance Lab Corp. (Shenzhen)

LTE FDD Band17; Left-Head-Cheek (710 MHz Middle Channel);

Measurement Data	
Test mode	: RB1
Crest Factor	: 1
Scan Type：	: Complete
Area Scan	: 8x11x1 : Measurement x=10mm, y=10mm, z=4mm
Zoom Scan	: 7x7x7 : Measurement x=5mm, y=5mm, z=5mm
Power Drift-Start	: 0.055 W/kg
Power Drift-Finish	: 0.054 W/kg
Power Drift (%)	: -1.818
Tissue Data	
Type	: Head
Frequency	: 710 MHz
Epsilon	: 42.75 F/m
Sigma	: 0.90 S/m
Density	: 1000.00 kg/cu. m
Probe Data	
Serial No.	: 500-00283
Frequency Band	: 750
Duty Cycle Factor	: 1
Conversion Factor	: 6.0
Probe Sensitivity	: 1.20 1.20 1.20 µV/(V/m)2
Compression Point	: 95.00 mV
Offset	: 1.56 mm
1 gram SAR value	: 0.158 W/kg
10 gram SAR value	: 0.079 W/kg
Area Scan Peak SAR	: 0.161 W/kg
Zoom Scan Peak SAR	: 0.256 W/kg

Plot 55#

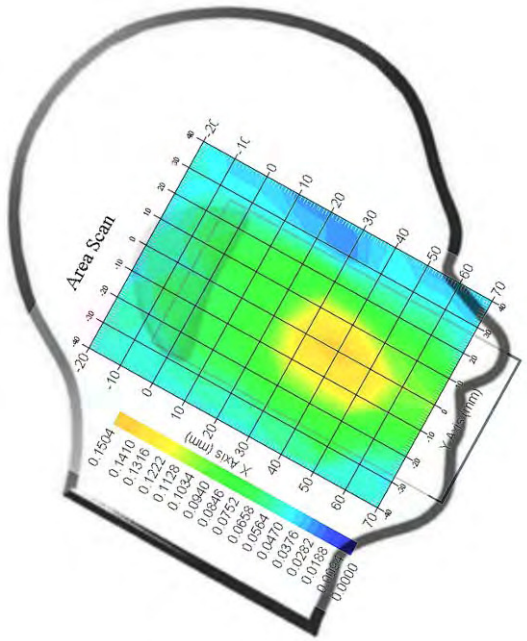


Test Laboratory: Bay Area Compliance Lab Corp. (Shenzhen)

LTE FDD Band 17; Left-Head-Cheek (710 MHz Middle Channel);

Measurement Data	
Test mode	: 50%RB
Crest Factor	: 1
Scan Type：	: Complete
Area Scan	: 8x11x1 : Measurement x=10mm, y=10mm, z=4mm
Zoom Scan	: 7x7x7 : Measurement x=5mm, y=5mm, z=5mm
Power Drift-Start	: 0.062 W/kg
Power Drift-Finish	: 0.060 W/kg
Power Drift (%)	: -3.226
Tissue Data	
Type	: Head
Frequency	: 710 MHz
Epsilon	: 42.75 F/m
Sigma	: 0.90 S/m
Density	: 1000.00 kg/cu. m
Probe Data	
Serial No.	: 500-00283
Frequency Band	: 750
Duty Cycle Factor	: 1
Conversion Factor	: 6.0
Probe Sensitivity	: 1.20 1.20 1.20 μV/(V/m)2
Compression Point	: 95.00 mV
Offset	: 1.56 mm
1 gram SAR value	: 0.129 W/kg
10 gram SAR value	: 0.071 W/kg
Area Scan Peak SAR	: 0.150 W/kg
Zoom Scan Peak SAR	: 0.231 W/kg

Plot 56#



Test Laboratory: Bay Area Compliance Lab Corp. (Shenzhen)

LTE FDD Band17; Left-Head-Tilt 15^0 (710 MHz Middle Channel);

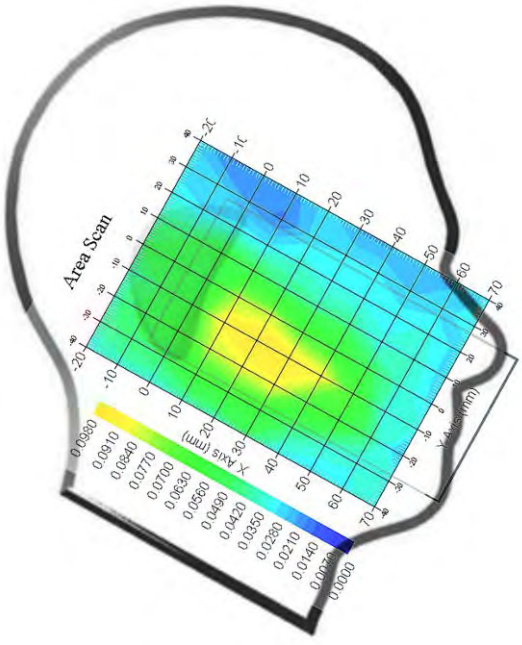
Measurement Data
Test mode : RB1
Crest Factor : 1
Scan Type： : Complete
Area Scan : 8x11x1 : Measurement x=10mm, y=10mm, z=4mm
Zoom Scan : 7x7x7 : Measurement x=5mm, y=5mm, z=5mm
Power Drift-Start : 0.036 W/kg
Power Drift-Finish : 0.037 W/kg
Power Drift (%) : 2.778

Tissue Data
Type : Head
Frequency : 710 MHz
Epsilon : 42.75 F/m
Sigma : 0.90 S/m
Density : 1000.00 kg/cu. m

Probe Data
Serial No. : 500-00283
Frequency Band : 750
Duty Cycle Factor : 1
Conversion Factor : 6.0
Probe Sensitivity : 1.20 1.20 1.20 μV/(V/m)2
Compression Point : 95.00 mV
Offset : 1.56 mm

1 gram SAR value : 0.086 W/kg
10 gram SAR value : 0.047 W/kg
Area Scan Peak SAR : 0.098 W/kg
Zoom Scan Peak SAR : 0.155 W/kg

Plot 57#



Test Laboratory: Bay Area Compliance Lab Corp. (Shenzhen)

LTE FDD Band 17; Left-Head-Tilt 15^0 (710 MHz Middle Channel);

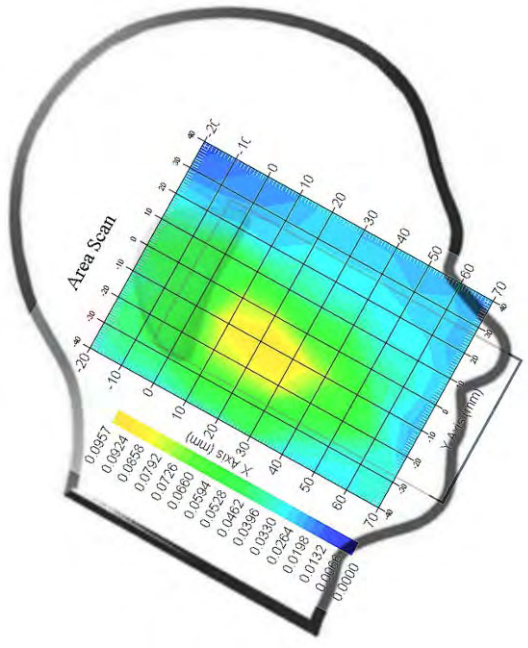
Measurement Data
Test mode : 50%RB
Crest Factor : 1
Scan Type： : Complete
Area Scan : 8x11x1 : Measurement x=10mm, y=10mm, z=4mm
Zoom Scan : 7x7x7 : Measurement x=5mm, y=5mm, z=5mm
Power Drift-Start : 0.049 W/kg
Power Drift-Finish : 0.051 W/kg
Power Drift (%) : 4.082

Tissue Data
Type : Head
Frequency : 710 MHz
Epsilon : 42.75 F/m
Sigma : 0.90 S/m
Density : 1000.00 kg/cu. m

Probe Data
Serial No. : 500-00283
Frequency Band : 750
Duty Cycle Factor : 1
Conversion Factor : 6.0
Probe Sensitivity : 1.20 1.20 1.20 μV/(V/m)2
Compression Point : 95.00 mV
Offset : 1.56 mm

1 gram SAR value : 0.082 W/kg
10 gram SAR value : 0.045 W/kg
Area Scan Peak SAR : 0.095 W/kg
Zoom Scan Peak SAR : 0.161 W/kg

Plot 58#

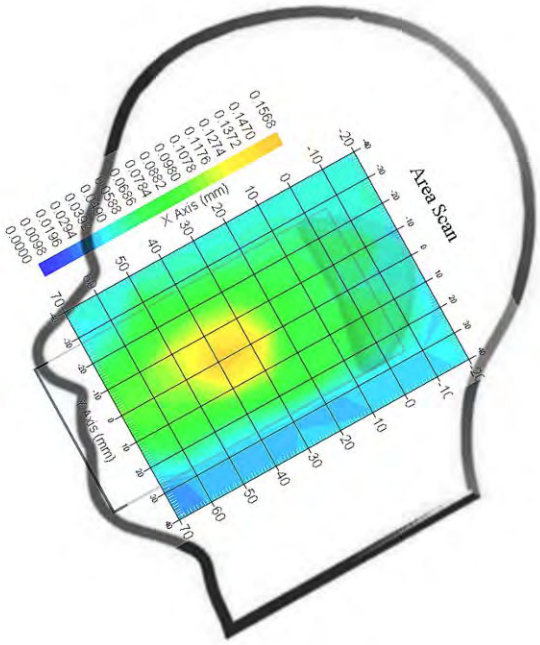


Test Laboratory: Bay Area Compliance Lab Corp. (Shenzhen)

LTE FDD Band17; Right-Head-Cheek (710 MHz Middle Channel);

Measurement Data	
Test mode	: RB1
Crest Factor	: 1
Scan Type：	: Complete
Area Scan	: 8x11x1 : Measurement x=10mm, y=10mm, z=4mm
Zoom Scan	: 7x7x7 : Measurement x=5mm, y=5mm, z=5mm
Power Drift-Start	: 0.015 W/kg
Power Drift-Finish	: 0.015 W/kg
Power Drift (%)	: -0.899
Tissue Data	
Type	: Head
Frequency	: 710 MHz
Epsilon	: 42.75 F/m
Sigma	: 0.90 S/m
Density	: 1000.00 kg/cu. m
Probe Data	
Serial No.	: 500-00283
Frequency Band	: 750
Duty Cycle Factor	: 1
Conversion Factor	: 6.0
Probe Sensitivity	: 1.20 1.20 1.20 µV/(V/m)2
Compression Point	: 95.00 mV
Offset	: 1.56 mm
1 gram SAR value	: 0.143 W/kg
10 gram SAR value	: 0.087 W/kg
Area Scan Peak SAR	: 0.156 W/kg
Zoom Scan Peak SAR	: 0.274 W/kg

Plot 59#

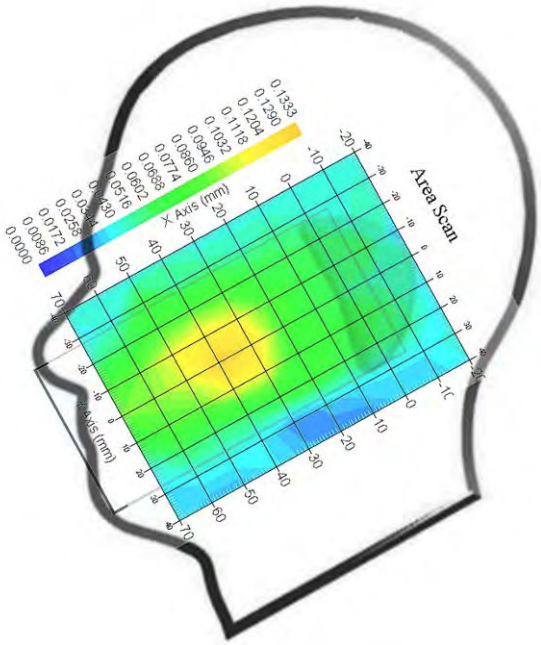


Test Laboratory: Bay Area Compliance Lab Corp. (Shenzhen)

LTE FDD Band 17; Right-Head-Cheek (710 MHz Middle Channel);

Measurement Data	
Test mode	: 50%RB
Crest Factor	: 1
Scan Type：	: Complete
Area Scan	: 8x11x1 : Measurement x=10mm, y=10mm, z=4mm
Zoom Scan	: 7x7x7 : Measurement x=5mm, y=5mm, z=5mm
Power Drift-Start	: 0.041 W/kg
Power Drift-Finish	: 0.042 W/kg
Power Drift (%)	: 2.439
Tissue Data	
Type	: Head
Frequency	: 710 MHz
Epsilon	: 42.75 F/m
Sigma	: 0.90 S/m
Density	: 1000.00 kg/cu. m
Probe Data	
Serial No.	: 500-00283
Frequency Band	: 750
Duty Cycle Factor	: 1
Conversion Factor	: 6.0
Probe Sensitivity	: 1.20 1.20 1.20 μV/(V/m)2
Compression Point	: 95.00 mV
Offset	: 1.56 mm
1 gram SAR value	: 0.127 W/kg
10 gram SAR value	: 0.081 W/kg
Area Scan Peak SAR	: 0.133 W/kg
Zoom Scan Peak SAR	: 0.198 W/kg

Plot 60#



Test Laboratory: Bay Area Compliance Lab Corp. (Shenzhen)

LTE FDD Band17; Right-Head-Tilt 15^0 (710 MHz Middle Channel);

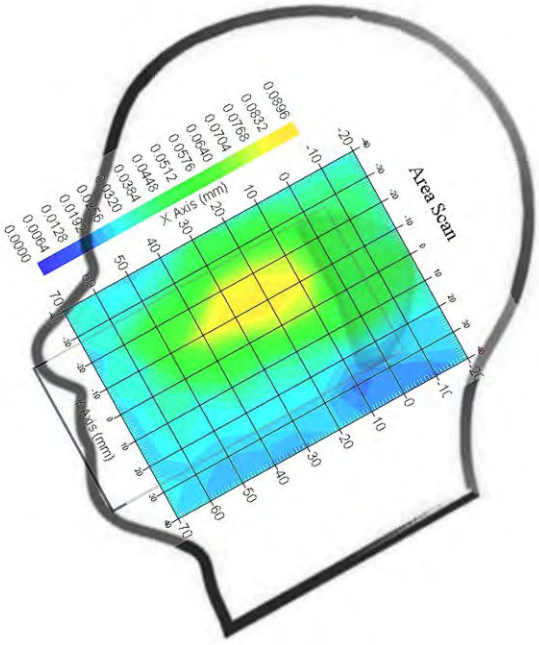
Measurement Data
Test mode : RB1
Crest Factor : 1
Scan Type： : Complete
Area Scan : 8x11x1 : Measurement x=10mm, y=10mm, z=4mm
Zoom Scan : 7x7x7 : Measurement x=5mm, y=5mm, z=5mm
Power Drift-Start : 0.011 W/kg
Power Drift-Finish : 0.011 W/kg
Power Drift (%) : 2.298

Tissue Data
Type : Head
Frequency : 710 MHz
Epsilon : 42.75 F/m
Sigma : 0.90 S/m
Density : 1000.00 kg/cu. m

Probe Data
Serial No. : 500-00283
Frequency Band : 750
Duty Cycle Factor : 1
Conversion Factor : 6.0
Probe Sensitivity : 1.20 1.20 1.20 μV/(V/m)2
Compression Point : 95.00 mV
Offset : 1.56 mm

1 gram SAR value : 0.080 W/kg
10 gram SAR value : 0.046 W/kg
Area Scan Peak SAR : 0.089 W/kg
Zoom Scan Peak SAR : 0.134 W/kg

Plot 61#

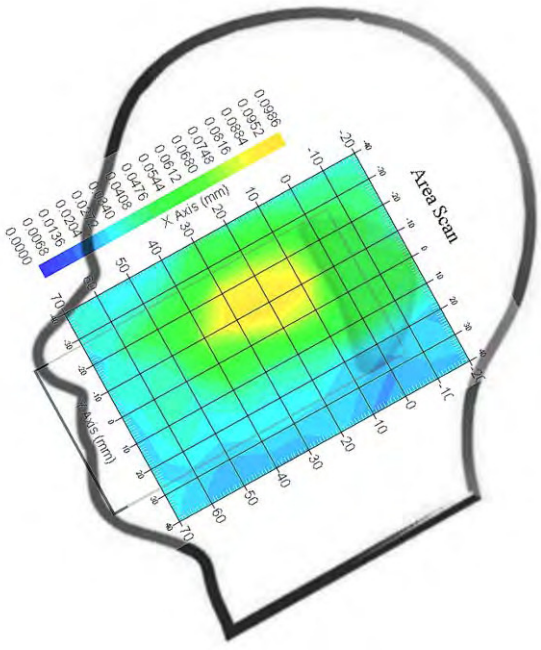


Test Laboratory: Bay Area Compliance Lab Corp. (Shenzhen)

LTE FDD Band 17; Right-Head-Tilt 15^0 (710 MHz Middle Channel);

Measurement Data	
Test mode	: 50%RB
Crest Factor	: 1
Scan Type：	: Complete
Area Scan	: 8x11x1 : Measurement x=10mm, y=10mm, z=4mm
Zoom Scan	: 7x7x7 : Measurement x=5mm, y=5mm, z=5mm
Power Drift-Start	: 0.019 W/kg
Power Drift-Finish	: 0.019 W/kg
Power Drift (%)	: -3.985
Tissue Data	
Type	: Head
Frequency	: 710 MHz
Epsilon	: 42.75 F/m
Sigma	: 0.90 S/m
Density	: 1000.00 kg/cu. m
Probe Data	
Serial No.	: 500-00283
Frequency Band	: 750
Duty Cycle Factor	: 1
Conversion Factor	: 6.0
Probe Sensitivity	: 1.20 1.20 1.20 μV/(V/m)2
Compression Point	: 95.00 mV
Offset	: 1.56 mm
1 gram SAR value	: 0.088 W/kg
10 gram SAR value	: 0.053 W/kg
Area Scan Peak SAR	: 0.097 W/kg
Zoom Scan Peak SAR	: 0.161 W/kg

Plot 62#



Test Laboratory: Bay Area Compliance Lab Corp. (Shenzhen)

Body-worn-Back (836.6 MHz Middle Channel)

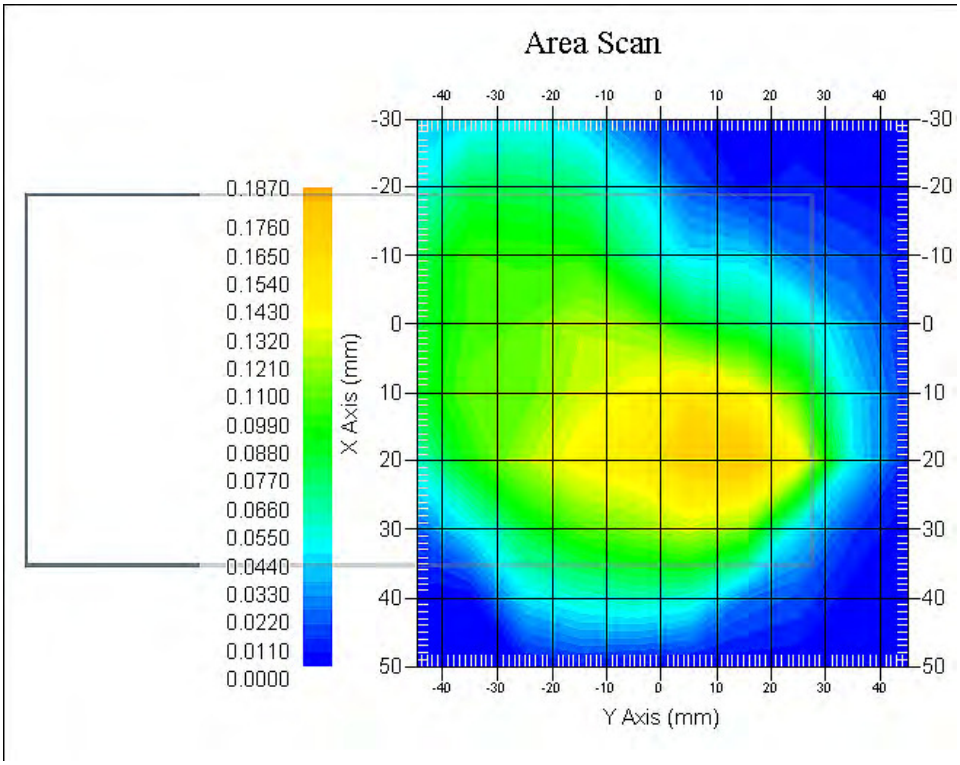
Measurement Data
Test mode : GSM
Crest Factor : 8
Scan Type： : Complete
Area Scan : 8x11x1 : Measurement x=10mm, y=10mm, z=4mm
Zoom Scan : 7x7x7 : Measurement x=5mm, y=5mm, z=5mm
Power Drift-Start : 0.175 W/kg
Power Drift-Finish : 0.168 W/kg
Power Drift (%) : -3.998

Tissue Data
Type : Body
Frequency : 836.6 MHz
Epsilon : 54.70 F/m
Sigma : 1.00 S/m
Density : 1000.00 kg/cu. m

Probe Data
Serial No. : 500-00283
Frequency Band : 835
Duty Cycle Factor : 8
Conversion Factor : 5.9
Probe Sensitivity : 1.20 1.20 1.20 µV/(V/m)2
Compression Point : 95.00 mV
Offset : 1.56 mm

1 gram SAR value : 0.169 W/kg
10 gram SAR value : 0.108 W/kg
Area Scan Peak SAR : 0.187 W/kg
Zoom Scan Peak SAR : 0.279 W/kg

Plot 63#



Test Laboratory: Bay Area Compliance Lab Corp. (Shenzhen)

Body-worn-Back (824.2 MHz Low Channel)

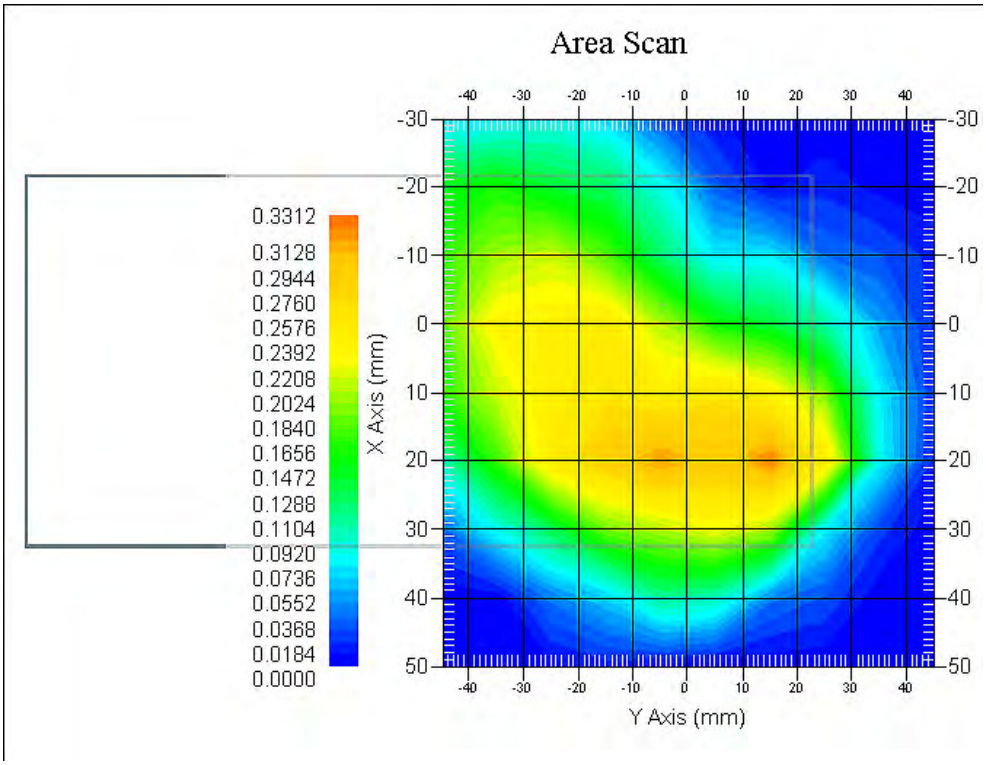
Measurement Data
Test mode : GPRS
Crest Factor : 2
Scan Type： : Complete
Area Scan : 8x11x1 : Measurement x=10mm, y=10mm, z=4mm
Zoom Scan : 7x7x7 : Measurement x=5mm, y=5mm, z=5mm
Power Drift-Start : 0.269 W/kg
Power Drift-Finish : 0.277 W/kg
Power Drift (%) : 2.974

Tissue Data
Type : Body
Frequency : 836.6 MHz
Epsilon : 54.19 F/m
Sigma : 0.98 S/m
Density : 1000.00 kg/cu. m

Probe Data
Serial No. : 500-00283
Frequency Band : 835
Duty Cycle Factor : 2
Conversion Factor : 5.9
Probe Sensitivity : 1.20 1.20 1.20 μV/(V/m)2
Compression Point : 95.00 mV
Offset : 1.56 mm

1 gram SAR value : 0.298 W/kg
10 gram SAR value : 0.184 W/kg
Area Scan Peak SAR : 0.331 W/kg
Zoom Scan Peak SAR : 0.520 W/kg

Plot 64#



Test Laboratory: Bay Area Compliance Lab Corp. (Shenzhen)

Body-worn-Back (836.6 MHz Middle Channel)

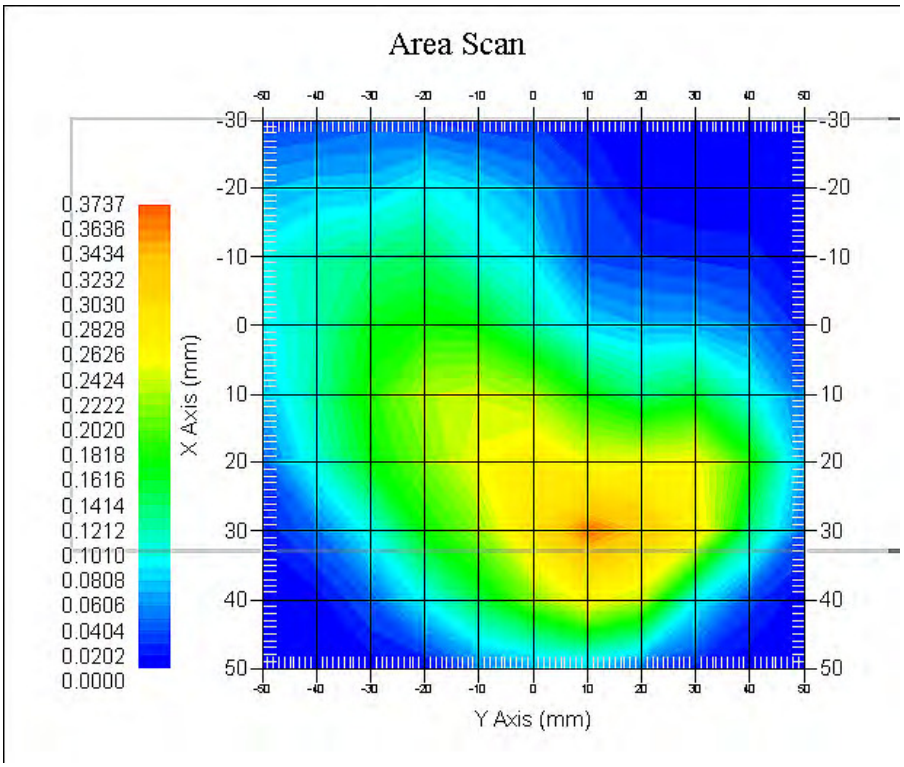
Measurement Data
Test mode : GPRS
Crest Factor : 2
Scan Type： : Complete
Area Scan : 8x11x1 : Measurement x=10mm, y=10mm, z=4mm
Zoom Scan : 7x7x7 : Measurement x=5mm, y=5mm, z=5mm
Power Drift-Start : 0.284 W/kg
Power Drift-Finish : 0.273 W/kg
Power Drift (%) : -3.873

Tissue Data
Type : Body
Frequency : 836.6 MHz
Epsilon : 54.70 F/m
Sigma : 1.00 S/m
Density : 1000.00 kg/cu. m

Probe Data
Serial No. : 500-00283
Frequency Band : 835
Duty Cycle Factor : 2
Conversion Factor : 5.9
Probe Sensitivity : 1.20 1.20 1.20 μV/(V/m)2
Compression Point : 95.00 mV
Offset : 1.56 mm

1 gram SAR value : 0.343 W/kg
10 gram SAR value : 0.175 W/kg
Area Scan Peak SAR : 0.373 W/kg
Zoom Scan Peak SAR : 0.586 W/kg

Plot 65#



Test Laboratory: Bay Area Compliance Lab Corp. (Shenzhen)

Body-worn-Back (848.8 MHz High Channel)

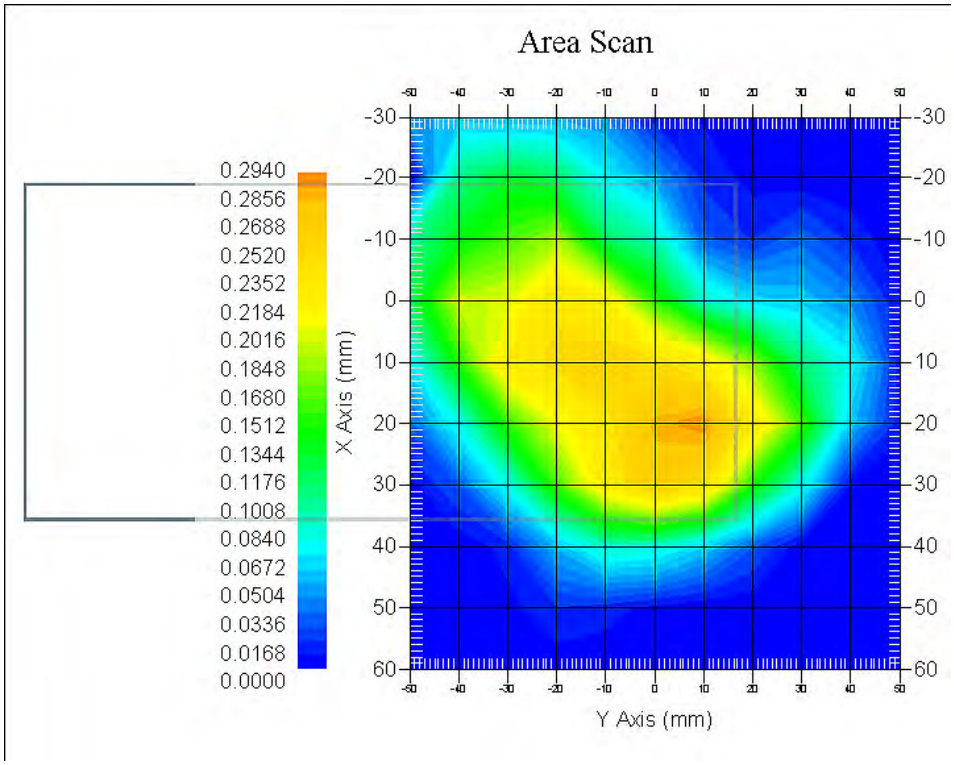
Measurement Data
Test mode : GPRS
Crest Factor : 2
Scan Type： : Complete
Area Scan : 8x11x1 : Measurement x=10mm, y=10mm, z=4mm
Zoom Scan : 7x7x7 : Measurement x=5mm, y=5mm, z=5mm
Power Drift-Start : 0.249 W/kg
Power Drift-Finish : 0.258 W/kg
Power Drift (%) : 3.614

Tissue Data
Type : Body
Frequency : 836.6 MHz
Epsilon : 54.70 F/m
Sigma : 1.00 S/m
Density : 1000.00 kg/cu. m

Probe Data
Serial No. : 500-00283
Frequency Band : 835
Duty Cycle Factor : 2
Conversion Factor : 5.9
Probe Sensitivity : 1.20 1.20 1.20 μV/(V/m)2
Compression Point : 95.00 mV
Offset : 1.56 mm

1 gram SAR value : 0.274 W/kg
10 gram SAR value : 0.159 W/kg
Area Scan Peak SAR : 0.294 W/kg
Zoom Scan Peak SAR : 0.453 W/kg

Plot 66#



Test Laboratory: Bay Area Compliance Lab Corp. (Shenzhen)

Body-worn-Left (836.6 MHz Middle Channel)

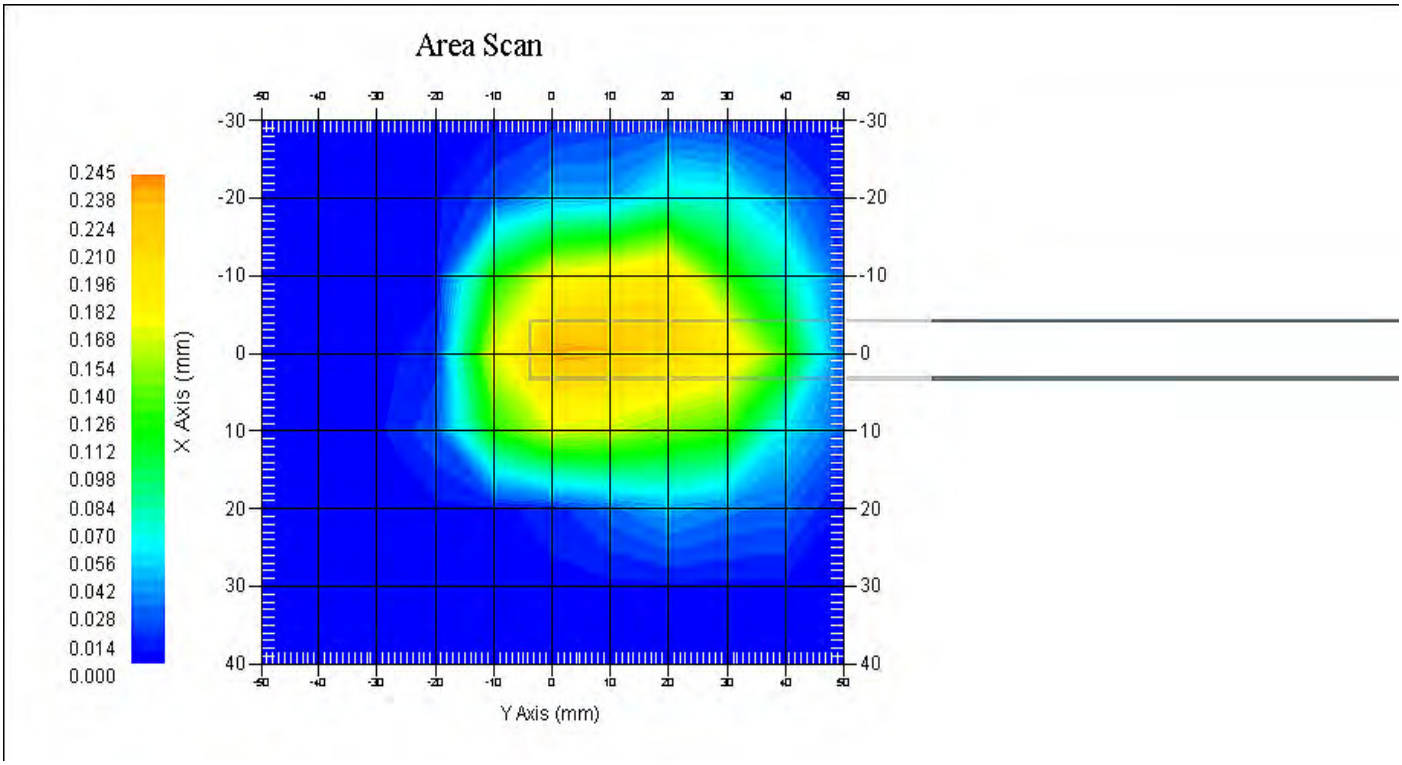
Measurement Data
Test mode : GPRS
Crest Factor : 2
Scan Type： : Complete
Area Scan : 8x11x1 : Measurement x=10mm, y=10mm, z=4mm
Zoom Scan : 7x7x7 : Measurement x=5mm, y=5mm, z=5mm
Power Drift-Start : 0.177 W/kg
Power Drift-Finish : 0.172 W/kg
Power Drift (%) : -2.825

Tissue Data
Type : Body
Frequency : 836.6 MHz
Epsilon : 54.70 F/m
Sigma : 1.00 S/m
Density : 1000.00 kg/cu. m

Probe Data
Serial No. : 500-00283
Frequency Band : 835
Duty Cycle Factor : 2
Conversion Factor : 5.9
Probe Sensitivity : 1.20 1.20 1.20 μV/(V/m)2
Compression Point : 95.00 mV
Offset : 1.56 mm

1 gram SAR value : 0.219 W/kg
10 gram SAR value : 0.116 W/kg
Area Scan Peak SAR : 0.241 W/kg
Zoom Scan Peak SAR : 0.342 W/kg

Plot 67#



Test Laboratory: Bay Area Compliance Lab Corp. (Shenzhen)

Body-worn-Right (836.6 MHz Middle Channel)

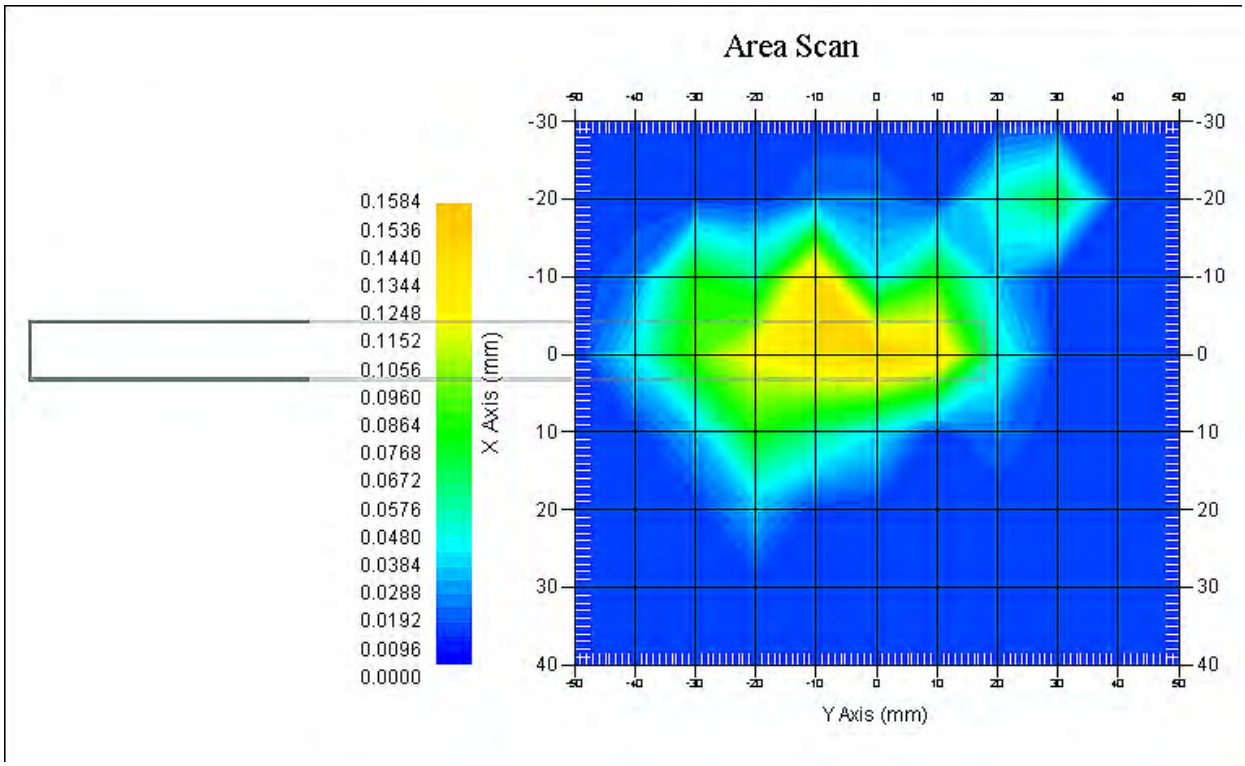
Measurement Data
Test mode : GPRS
Crest Factor : 2
Scan Type： : Complete
Area Scan : 8x11x1 : Measurement x=10mm, y=10mm, z=4mm
Zoom Scan : 7x7x7 : Measurement x=5mm, y=5mm, z=5mm
Power Drift-Start : 0.142 W/kg
Power Drift-Finish : 0.138 W/kg
Power Drift (%) : -2.817

Tissue Data
Type : Body
Frequency : 836.6 MHz
Epsilon : 54.70 F/m
Sigma : 1.00 S/m
Density : 1000.00 kg/cu. m

Probe Data
Serial No. : 500-00283
Frequency Band : 835
Duty Cycle Factor : 2
Conversion Factor : 5.9
Probe Sensitivity : 1.20 1.20 1.20 μV/(V/m)2
Compression Point : 95.00 mV
Offset : 1.56 mm

1 gram SAR value : 0.145 W/kg
10 gram SAR value : 0.063 W/kg
Area Scan Peak SAR : 0.158 W/kg
Zoom Scan Peak SAR : 0.277 W/kg

Plot 68#



Test Laboratory: Bay Area Compliance Lab Corp. (Shenzhen)

Body-worn-Bottom (836.6 MHz Middle Channel)

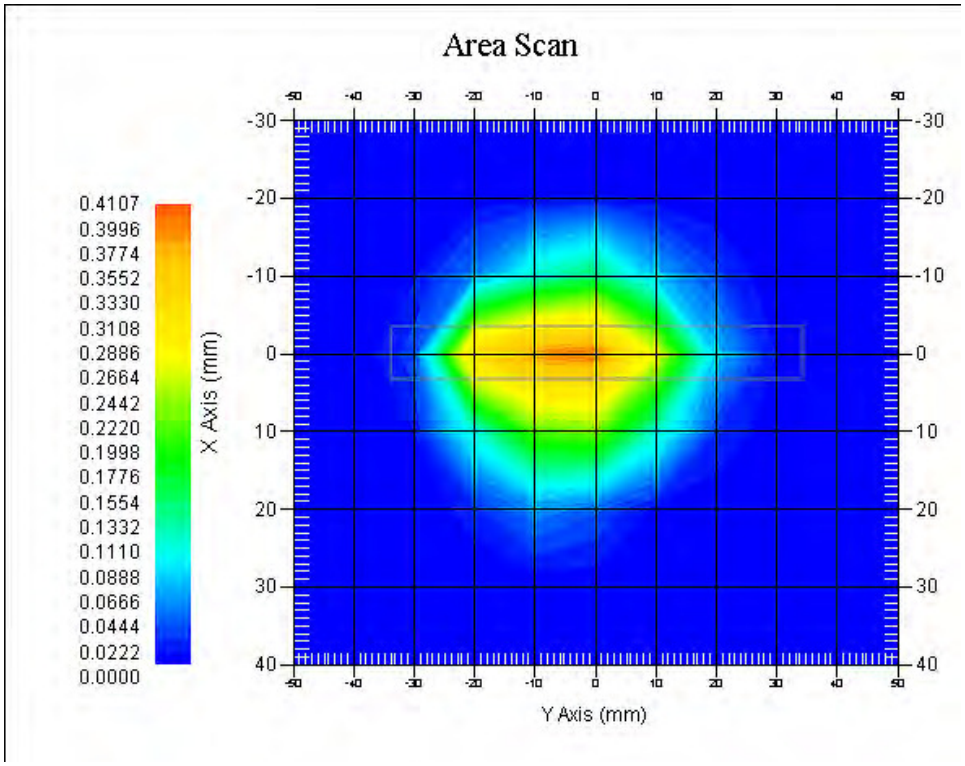
Measurement Data
Test mode : GPRS
Crest Factor : 2
Scan Type： : Complete
Area Scan : 8x11x1 : Measurement x=10mm, y=10mm, z=4mm
Zoom Scan : 7x7x7 : Measurement x=5mm, y=5mm, z=5mm
Power Drift-Start : 0.194 W/kg
Power Drift-Finish : 0.201 W/kg
Power Drift (%) : 3.608

Tissue Data
Type : Body
Frequency : 836.6 MHz
Epsilon : 54.70 F/m
Sigma : 1.00 S/m
Density : 1000.00 kg/cu. m

Probe Data
Serial No. : 500-00283
Frequency Band : 835
Duty Cycle Factor : 2
Conversion Factor : 5.9
Probe Sensitivity : 1.20 1.20 1.20 μV/(V/m)2
Compression Point : 95.00 mV
Offset : 1.56 mm

1 gram SAR value : 0.317 W/kg
10 gram SAR value : 0.139 W/kg
Area Scan Peak SAR : 0.410 W/kg
Zoom Scan Peak SAR : 0.628 W/kg

Plot 69#



Test Laboratory: Bay Area Compliance Lab Corp. (Shenzhen)

Body-worn-Back (1880 MHz Middle Channel)

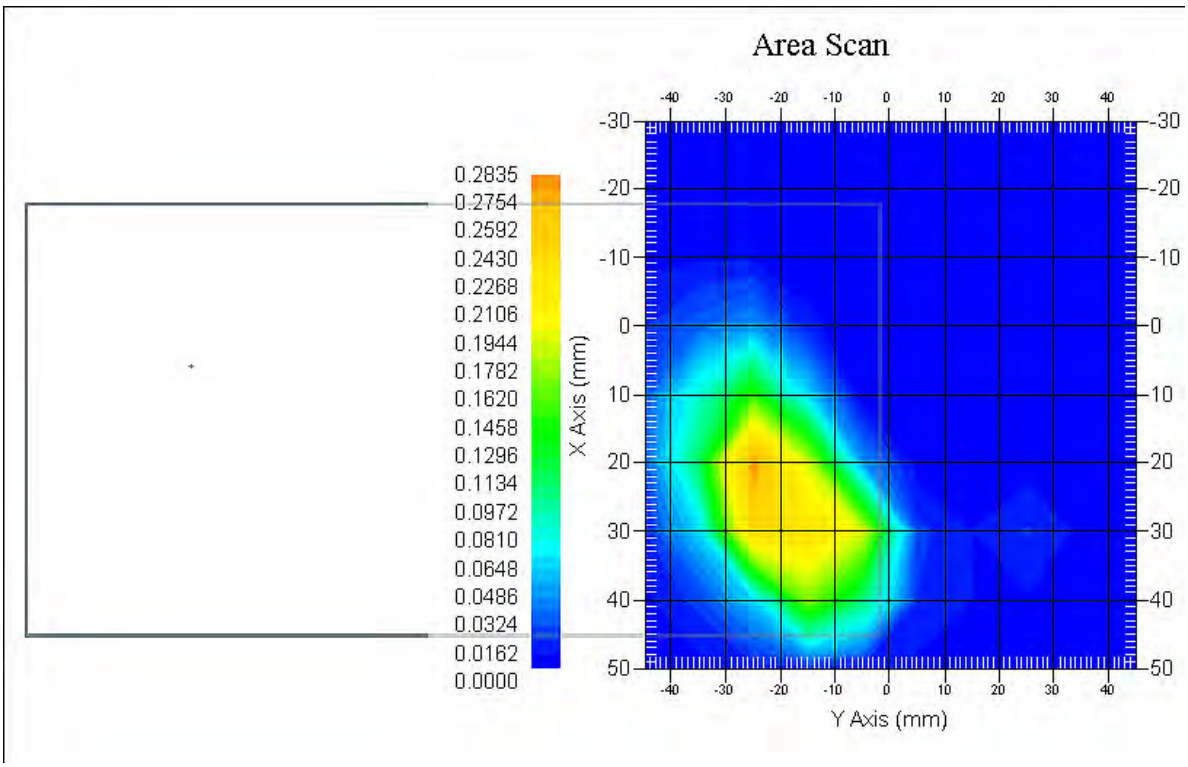
Measurement Data
Test mode : GSM
Crest Factor : 8
Scan Type : Complete
Area Scan : 8x11x1 : Measurement x=10mm, y=10mm, z=4mm
Zoom Scan : 7x7x7 : Measurement x=5mm, y=5mm, z=5mm
Power Drift-Start : 0.218 W/kg
Power Drift-Finish : 0.223 W/kg
Power Drift (%) : 2.294

Tissue Data
Type : Body
Frequency : 1880 MHz
Epsilon : 52.72 F/m
Sigma : 1.53 S/m
Density : 1000.00 kg/cu. m

Probe Data
Serial No. : 500-00283
Frequency Band : 1900
Duty Cycle Factor : 8
Conversion Factor : 4.8
Probe Sensitivity : 1.20 1.20 1.20 µV/(V/m)2
Compression Point : 95.00 mV
Offset : 1.56 mm

1 gram SAR value : 0.245 W/kg
10 gram SAR value : 0.100 W/kg
Area Scan Peak SAR : 0.283 W/kg
Zoom Scan Peak SAR : 0.425 W/kg

Plot 70#



Test Laboratory: Bay Area Compliance Lab Corp. (Shenzhen)

Body-worn-Back (1850.2 MHz Low Channel)

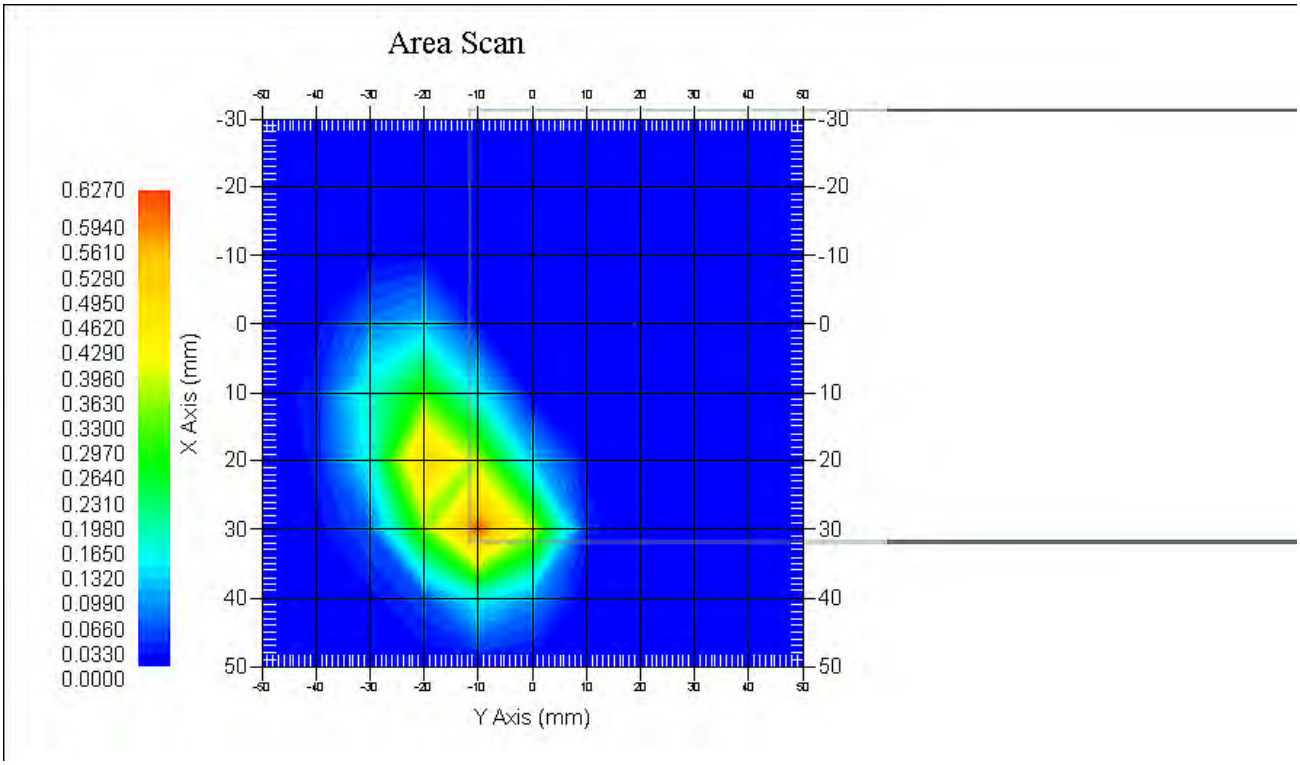
Measurement Data
Test mode : GPRS
Crest Factor : 2.67
Scan Type : Complete
Area Scan : 8x11x1 : Measurement x=10mm, y=10mm, z=4mm
Zoom Scan : 7x7x7 : Measurement x=5mm, y=5mm, z=5mm
Power Drift-Start : 0.324 W/kg
Power Drift-Finish : 0.314 W/kg
Power Drift (%) : -3.086

Tissue Data
Type : Body
Frequency : 1850.2 MHz
Epsilon : 53.01 F/m
Sigma : 1.54 S/m
Density : 1000.00 kg/cu. m

Probe Data
Serial No. : 500-00283
Frequency Band : 1900
Duty Cycle Factor : 2.67
Conversion Factor : 4.8
Probe Sensitivity : 1.20 1.20 1.20 µV/(V/m)2
Compression Point : 95.00 mV
Offset : 1.56 mm

1 gram SAR value : 0.457 W/kg
10 gram SAR value : 0.168 W/kg
Area Scan Peak SAR : 0.627 W/kg
Zoom Scan Peak SAR : 0.984 W/kg

Plot 71#



Test Laboratory: Bay Area Compliance Lab Corp. (Shenzhen)

Body-worn-Back (1880 MHz Middle Channel)

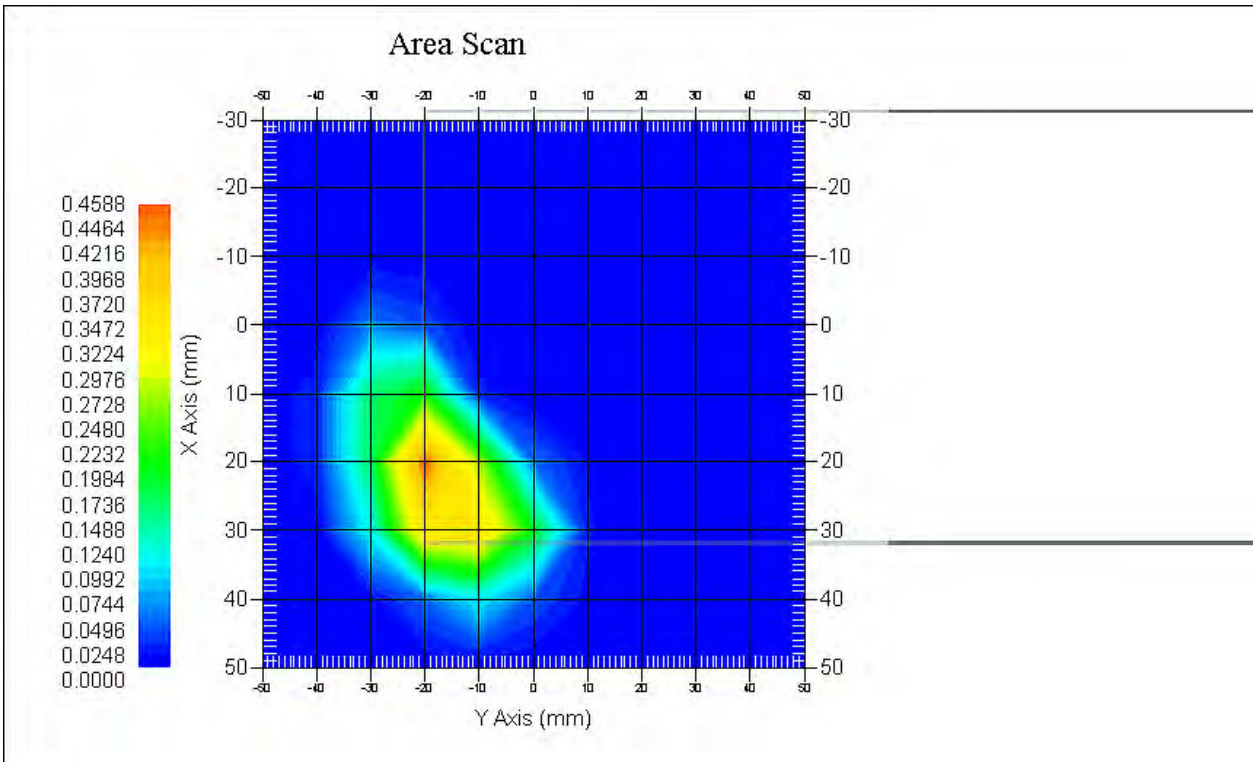
Measurement Data
Test mode : GPRS
Crest Factor : 2.67
Scan Type : Complete
Area Scan : 8x11x1 : Measurement x=10mm, y=10mm, z=4mm
Zoom Scan : 7x7x7 : Measurement x=5mm, y=5mm, z=5mm
Power Drift-Start : 0.298 W/kg
Power Drift-Finish : 0.306 W/kg
Power Drift (%) : 2.685

Tissue Data
Type : Body
Frequency : 1880 MHz
Epsilon : 52.72 F/m
Sigma : 1.53 S/m
Density : 1000.00 kg/cu. m

Probe Data
Serial No. : 500-00283
Frequency Band : 1900
Duty Cycle Factor : 2.67
Conversion Factor : 4.8
Probe Sensitivity : 1.20 1.20 1.20 µV/(V/m)2
Compression Point : 95.00 mV
Offset : 1.56 mm

1 gram SAR value : 0.412 W/kg
10 gram SAR value : 0.158 W/kg
Area Scan Peak SAR : 0.458 W/kg
Zoom Scan Peak SAR : 0.690 W/kg

Plot 72#



Test Laboratory: Bay Area Compliance Lab Corp. (Shenzhen)

Body-worn-Back (1909.8 MHz High Channel)

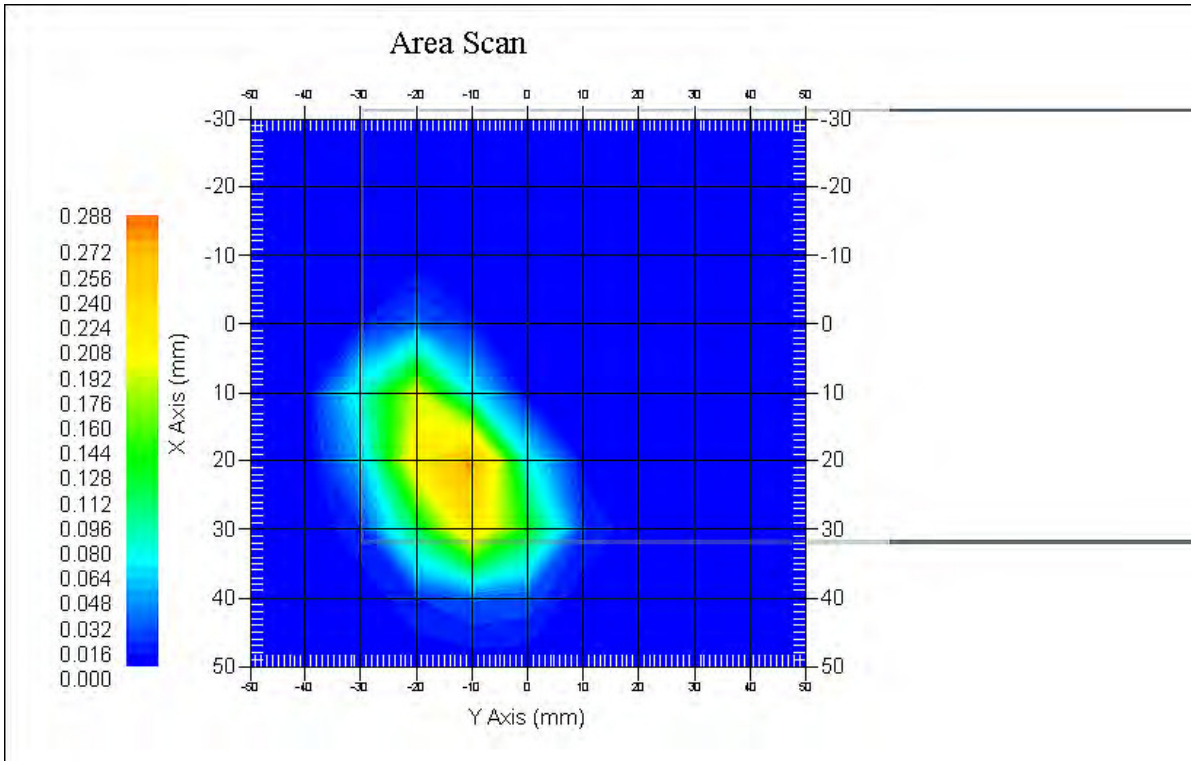
Measurement Data
Test mode : GPRS
Crest Factor : 2.67
Scan Type : Complete
Area Scan : 8x11x1 : Measurement x=10mm, y=10mm, z=4mm
Zoom Scan : 7x7x7 : Measurement x=5mm, y=5mm, z=5mm
Power Drift-Start : 0.312 W/kg
Power Drift-Finish : 0.327 W/kg
Power Drift (%) : 4.808

Tissue Data
Type : Body
Frequency : 1909.8 MHz
Epsilon : 52.96 F/m
Sigma : 1.53 S/m
Density : 1000.00 kg/cu. m

Probe Data
Serial No. : 500-00283
Frequency Band : 1900
Duty Cycle Factor : 2.67
Conversion Factor : 4.8
Probe Sensitivity : 1.20 1.20 1.20 µV/(V/m)2
Compression Point : 95.00 mV
Offset : 1.56 mm

1 gram SAR value : 0.268 W/kg
10 gram SAR value : 0.102 W/kg
Area Scan Peak SAR : 0.287 W/kg
Zoom Scan Peak SAR : 0.429 W/kg

Plot 73#



Test Laboratory: Bay Area Compliance Lab Corp. (Shenzhen)

Body-worn-Left (1880 MHz Middle Channel)

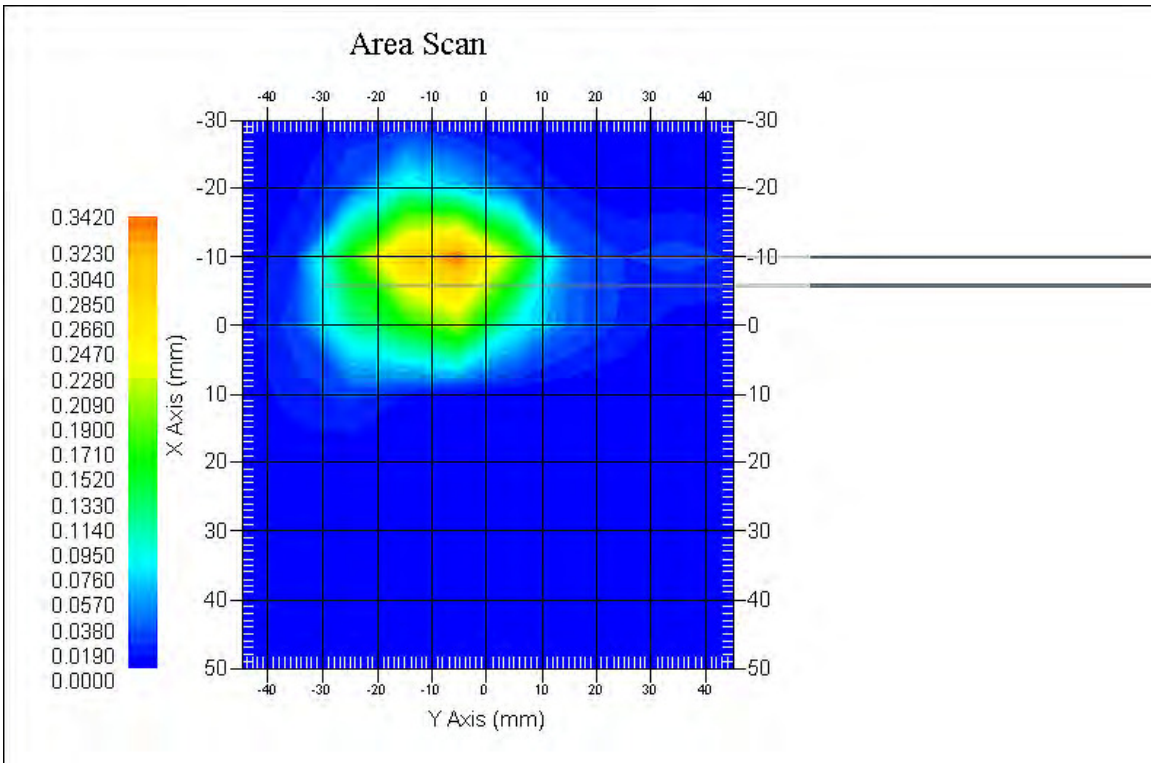
Measurement Data
Test mode : GPRS
Crest Factor : 2.67
Scan Type : Complete
Area Scan : 8x11x1 : Measurement x=10mm, y=10mm, z=4mm
Zoom Scan : 7x7x7 : Measurement x=5mm, y=5mm, z=5mm
Power Drift-Start : 0.174 W/kg
Power Drift-Finish : 0.170 W/kg
Power Drift (%) : -2.299

Tissue Data
Type : Body
Frequency : 1880 MHz
Epsilon : 52.72 F/m
Sigma : 1.53 S/m
Density : 1000.00 kg/cu. m

Probe Data
Serial No. : 500-00283
Frequency Band : 1900
Duty Cycle Factor : 2.67
Conversion Factor : 4.8
Probe Sensitivity : 1.20 1.20 1.20 µV/(V/m)2
Compression Point : 95.00 mV
Offset : 1.56 mm

1 gram SAR value : 0.295 W/kg
10 gram SAR value : 0.113 W/kg
Area Scan Peak SAR : 0.342 W/kg
Zoom Scan Peak SAR : 0.500 W/kg

Plot 74#



Test Laboratory: Bay Area Compliance Lab Corp. (Shenzhen)

Body-worn-Right (1880 MHz Middle Channel)

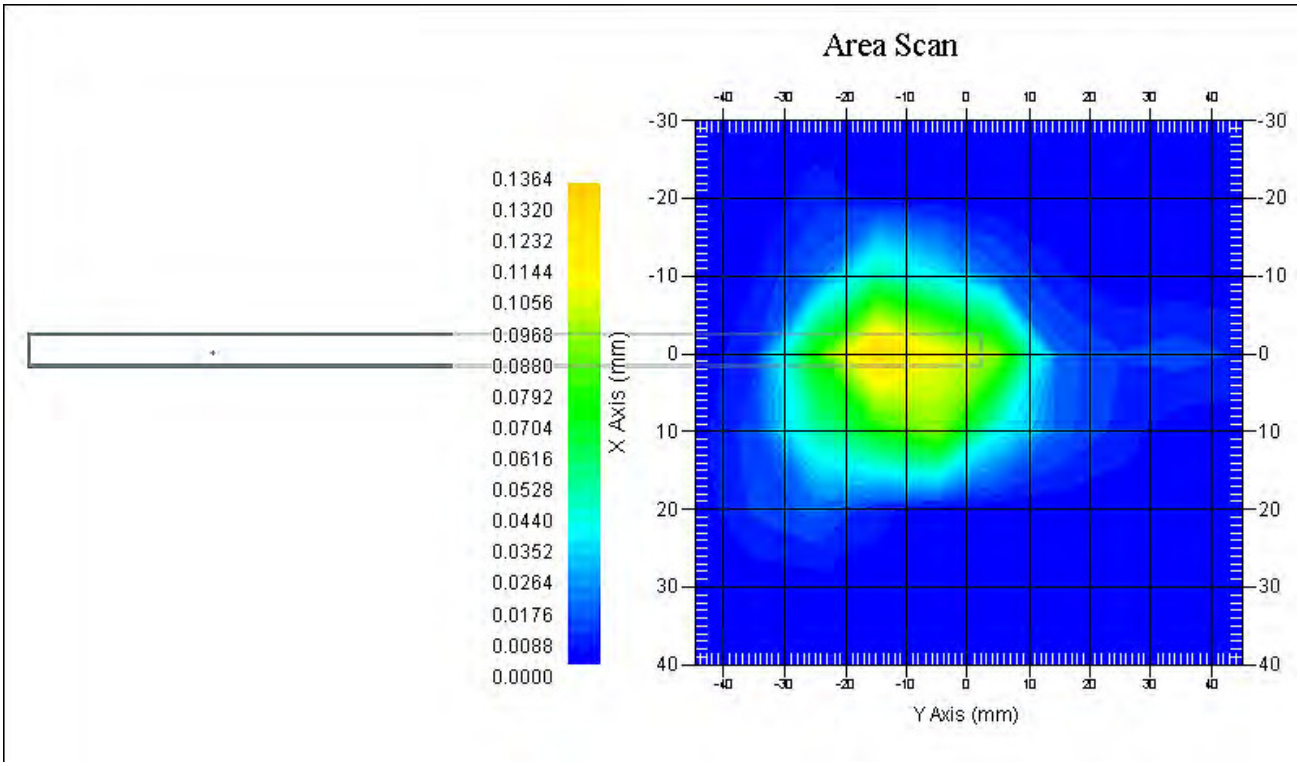
Measurement Data
Test mode : GPRS
Crest Factor : 2.67
Scan Type : Complete
Area Scan : 8x11x1 : Measurement x=10mm, y=10mm, z=4mm
Zoom Scan : 7x7x7 : Measurement x=5mm, y=5mm, z=5mm
Power Drift-Start : 0.115 W/kg
Power Drift-Finish : 0.120 W/kg
Power Drift (%) : 4.348

Tissue Data
Type : Body
Frequency : 1880 MHz
Epsilon : 52.72 F/m
Sigma : 1.53 S/m
Density : 1000.00 kg/cu. m

Probe Data
Serial No. : 500-00283
Frequency Band : 1900
Duty Cycle Factor : 2.67
Conversion Factor : 4.8
Probe Sensitivity : 1.20 1.20 1.20 µV/(V/m)2
Compression Point : 95.00 mV
Offset : 1.56 mm

1 gram SAR value : 0.117 W/kg
10 gram SAR value : 0.051 W/kg
Area Scan Peak SAR : 0.136 W/kg
Zoom Scan Peak SAR : 0.194 W/kg

Plot 75#



Test Laboratory: Bay Area Compliance Lab Corp. (Shenzhen)

Body-worn-Bottom (1880 MHz Middle Channel)

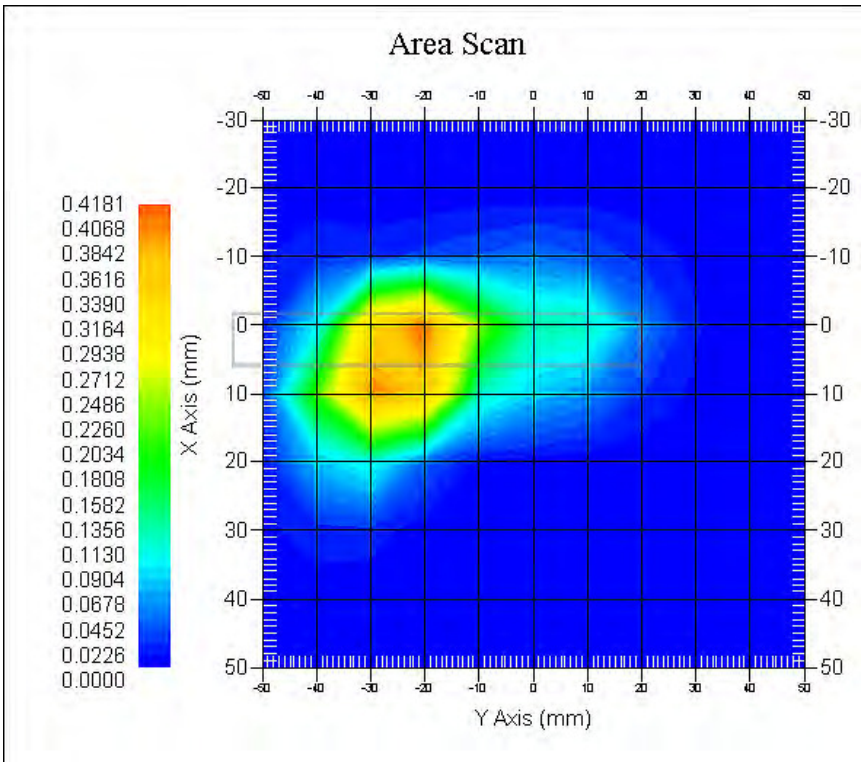
Measurement Data
Test mode : GPRS
Crest Factor : 2.67
Scan Type : Complete
Area Scan : 8x11x1 : Measurement x=10mm, y=10mm, z=4mm
Zoom Scan : 7x7x7 : Measurement x=5mm, y=5mm, z=5mm
Power Drift-Start : 0.277 W/kg
Power Drift-Finish : 0.270 W/kg
Power Drift (%) : -2.527

Tissue Data
Type : Body
Frequency : 1880 MHz
Epsilon : 52.72 F/m
Sigma : 1.53 S/m
Density : 1000.00 kg/cu. m

Probe Data
Serial No. : 500-00283
Frequency Band : 1900
Duty Cycle Factor : 2.67
Conversion Factor : 4.8
Probe Sensitivity : 1.20 1.20 1.20 µV/(V/m)2
Compression Point : 95.00 mV
Offset : 1.56 mm

1 gram SAR value : 0.352 W/kg
10 gram SAR value : 0.140 W/kg
Area Scan Peak SAR : 0.418 W/kg
Zoom Scan Peak SAR : 0.639 W/kg

Plot 76#



Test Laboratory: Bay Area Compliance Lab Corp. (Shenzhen)

WCDMA850; Body-Worn-Back (826.4 MHz Low Channel)

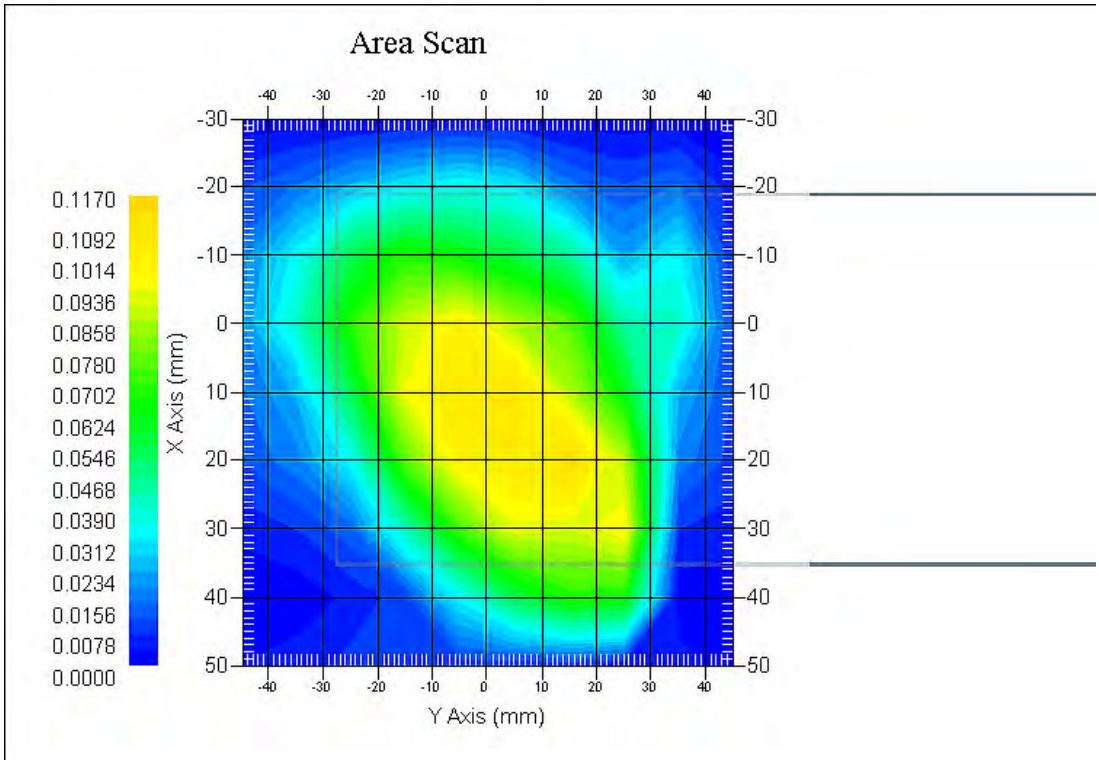
Measurement Data
Test mode : RMC
Crest Factor : 1
Scan Type : Complete
Area Scan : 11x8x1: Measurement x=10mm, y=10mm, z=4mm
Zoom Scan : 7x7x7: Measurement x=5mm, y=5mm, z=5mm
Power Drift-Start : 0.085 W/kg
Power Drift-Finish : 0.086 W/kg
Power Drift (%) : 1.176

Tissue Data
Type : Body
Frequency : 826.4 MHz
Epsilon : 54.87 F/m
Sigma : 0.97 S/m
Density : 1000.00 kg/cu. m

Probe Data
Serial No. : 500-00283
Frequency Band : 835
Duty Cycle Factor : 1
Conversion Factor : 5.9
Probe Sensitivity : 1.20 1.20 1.20 µV/(V/m)2
Compression Point : 95.00 mV
Offset : 1.56 mm

1 gram SAR value : 0.104 W/kg
10 gram SAR value : 0.055 W/kg
Area Scan Peak SAR : 0.117 W/kg
Zoom Scan Peak SAR : 0.169 W/kg

Plot 77#



Test Laboratory: Bay Area Compliance Lab Corp. (Shenzhen)

WCDMA850; Body-Worn-Back (836.6 MHz Middle Channel)

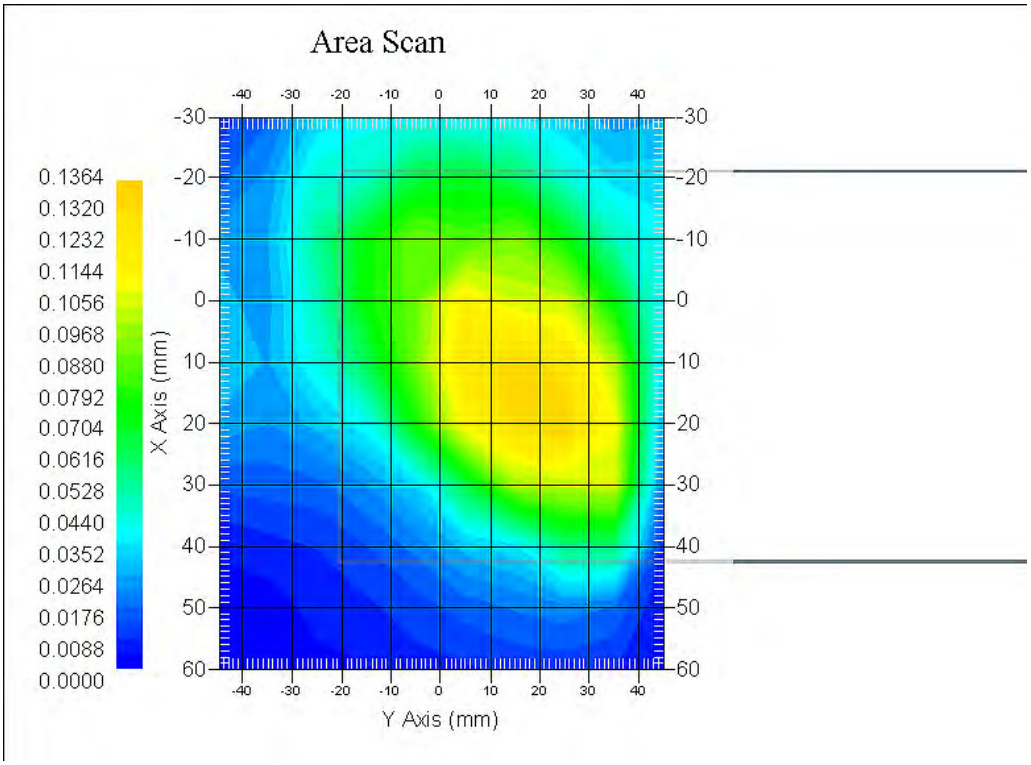
Measurement Data
Test mode : RMC
Crest Factor : 1
Scan Type : Complete
Area Scan : 11x8x1: Measurement x=10mm, y=10mm, z=4mm
Zoom Scan : 7x7x7: Measurement x=5mm, y=5mm, z=5mm
Power Drift-Start : 0.076 W/kg
Power Drift-Finish : 0.074 W/kg
Power Drift (%) : -2.632

Tissue Data
Type : Body
Frequency : 836.6 MHz
Epsilon : 54.70 F/m
Sigma : 1.00 S/m
Density : 1000.00 kg/cu. m

Probe Data
Serial No. : 500-00283
Frequency Band : 835
Duty Cycle Factor : 1
Conversion Factor : 5.9
Probe Sensitivity : 1.20 1.20 1.20 µV/(V/m)2
Compression Point : 95.00 mV
Offset : 1.56 mm

1 gram SAR value : 0.124 W/kg
10 gram SAR value : 0.065 W/kg
Area Scan Peak SAR : 0.136W/kg
Zoom Scan Peak SAR : 0.202 W/kg

Plot 78#



Test Laboratory: Bay Area Compliance Lab Corp. (Shenzhen)

WCDMA850; Body-Worn-Back (846.6 MHz High Channel)

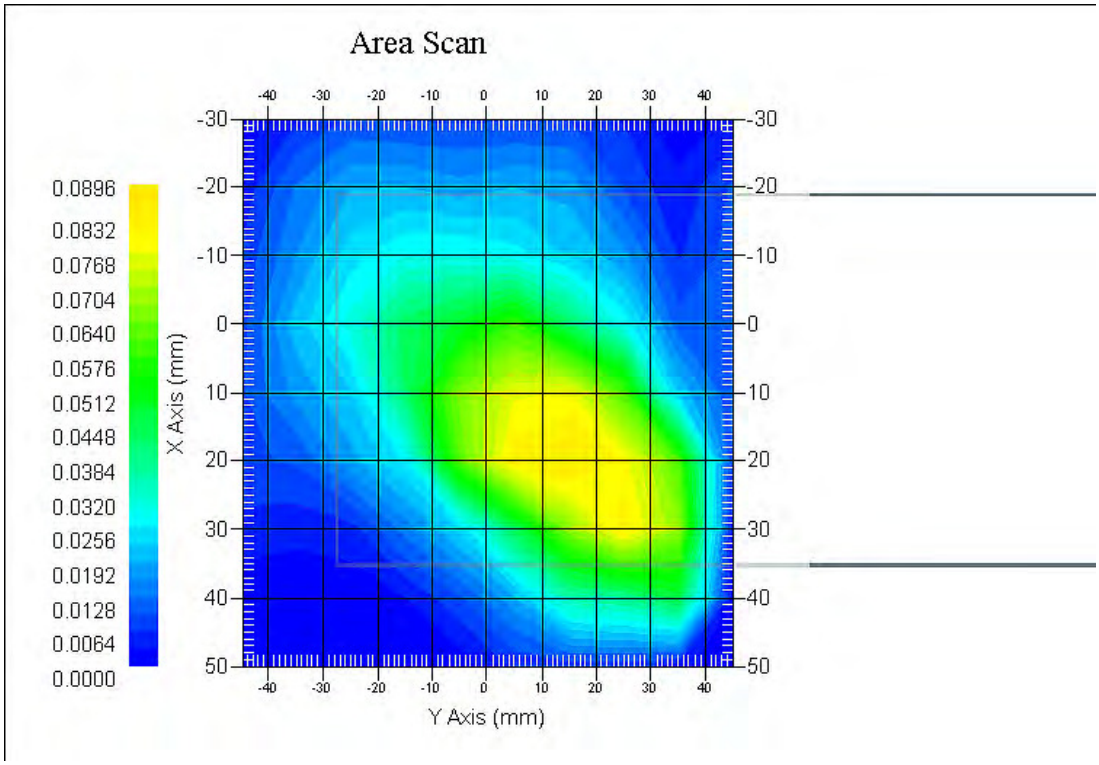
Measurement Data
Test mode : RMC
Crest Factor : 1
Scan Type : Complete
Area Scan : 11x8x1: Measurement x=10mm, y=10mm, z=4mm
Zoom Scan : 7x7x7: Measurement x=5mm, y=5mm, z=5mm
Power Drift-Start : 0.091 W/kg
Power Drift-Finish : 0.087 W/kg
Power Drift (%) : -4.395

Tissue Data
Type : Body
Frequency : 846.6 MHz
Epsilon : 54.98 F/m
Sigma : 0.99 S/m
Density : 1000.00 kg/cu. m

Probe Data
Serial No. : 500-00283
Frequency Band : 835
Duty Cycle Factor : 1
Conversion Factor : 5.9
Probe Sensitivity : 1.20 1.20 1.20 µV/(V/m)2
Compression Point : 95.00 mV
Offset : 1.56 mm

1 gram SAR value : 0.084 W/kg
10 gram SAR value : 0.041 W/kg
Area Scan Peak SAR : 0.089 W/kg
Zoom Scan Peak SAR : 0.139 W/kg

Plot 79#



Test Laboratory: Bay Area Compliance Lab Corp. (Shenzhen)

WCDMA850; Body-Worn-Left (836.6 MHz Middle Channel)

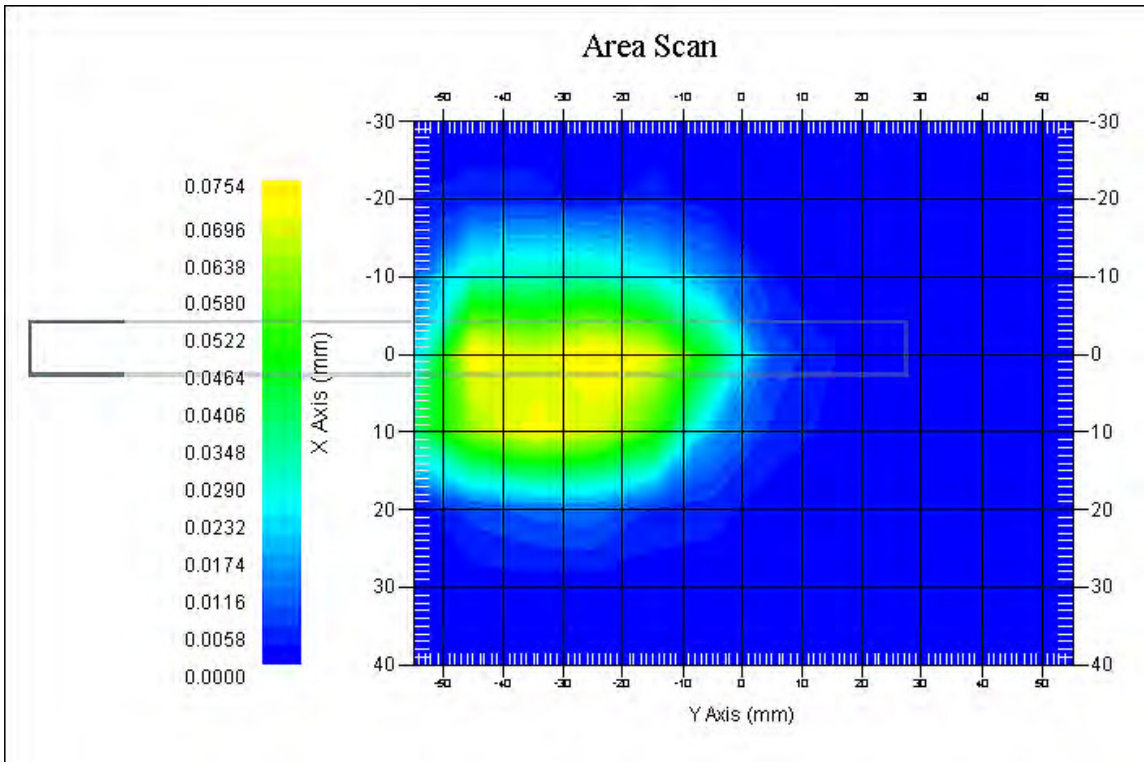
Measurement Data
Test mode : RMC
Crest Factor : 1
Scan Type : Complete
Area Scan : 11x8x1: Measurement x=10mm, y=10mm, z=4mm
Zoom Scan : 7x7x7: Measurement x=5mm, y=5mm, z=5mm
Power Drift-Start : 0.051 W/kg
Power Drift-Finish : 0.052 W/kg
Power Drift (%) : 1.961

Tissue Data
Type : Body
Frequency : 836.6 MHz
Epsilon : 54.70 F/m
Sigma : 1.00 S/m
Density : 1000.00 kg/cu. m

Probe Data
Serial No. : 500-00283
Frequency Band : 835
Duty Cycle Factor : 1
Conversion Factor : 5.9
Probe Sensitivity : 1.20 1.20 1.20 µV/(V/m)2
Compression Point : 95.00 mV
Offset : 1.56 mm

1 gram SAR value : 0.072 W/kg
10 gram SAR value : 0.032 W/kg
Area Scan Peak SAR : 0.075 W/kg
Zoom Scan Peak SAR : 0.113 W/kg

Plot 80#



Test Laboratory: Bay Area Compliance Lab Corp. (Shenzhen)

WCDMA850; Body-Worn-Right (836.6 MHz Middle Channel)

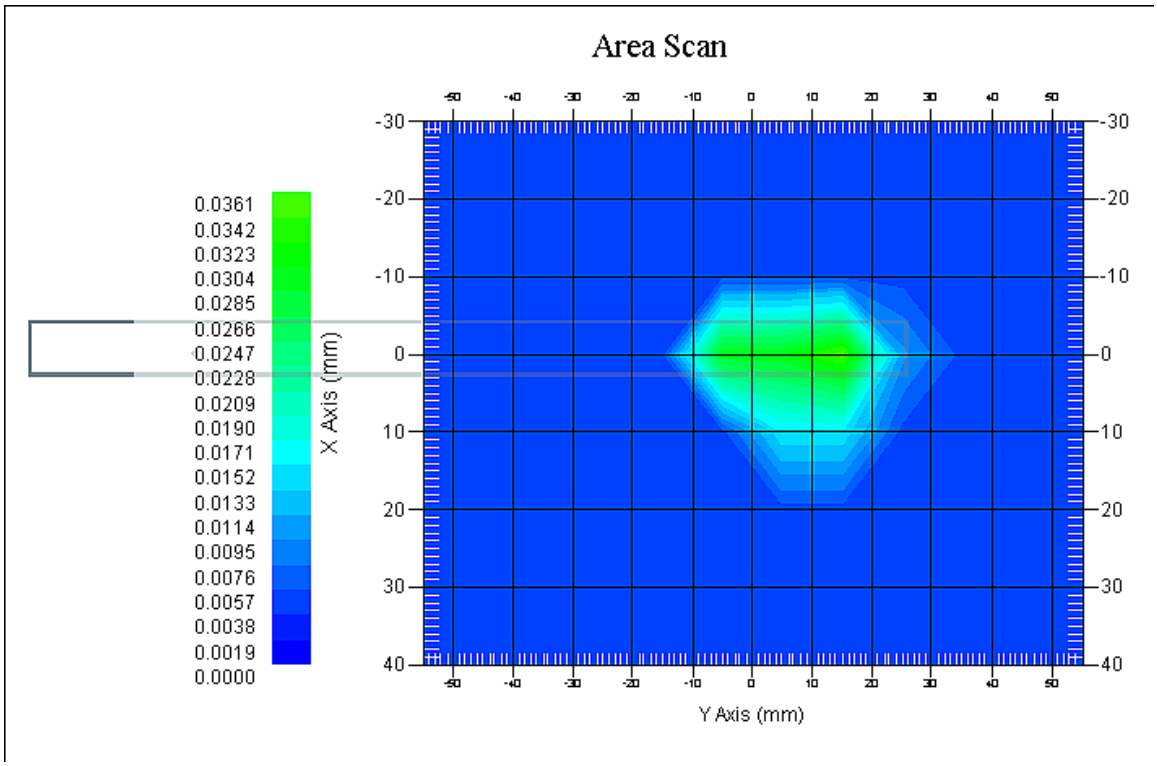
Measurement Data
Test mode : RMC
Crest Factor : 1
Scan Type : Complete
Area Scan : 11x8x1: Measurement x=10mm, y=10mm, z=4mm
Zoom Scan : 7x7x7: Measurement x=5mm, y=5mm, z=5mm
Power Drift-Start : 0.021 W/kg
Power Drift-Finish : 0.021 W/kg
Power Drift (%) : -0.635

Tissue Data
Type : Body
Frequency : 836.6 MHz
Epsilon : 54.70 F/m
Sigma : 1.00 S/m
Density : 1000.00 kg/cu. m

Probe Data
Serial No. : 500-00283
Frequency Band : 835
Duty Cycle Factor : 1
Conversion Factor : 5.9
Probe Sensitivity : 1.20 1.20 1.20 µV/(V/m)2
Compression Point : 95.00 mV
Offset : 1.56 mm

1 gram SAR value : 0.031 W/kg
10 gram SAR value : 0.014 W/kg
Area Scan Peak SAR : 0.036 W/kg
Zoom Scan Peak SAR : 0.060 W/kg

Plot 81#



Test Laboratory: Bay Area Compliance Lab Corp. (Shenzhen)

WCDMA850; Body-Worn-Bottom (836.6 MHz Middle Channel)

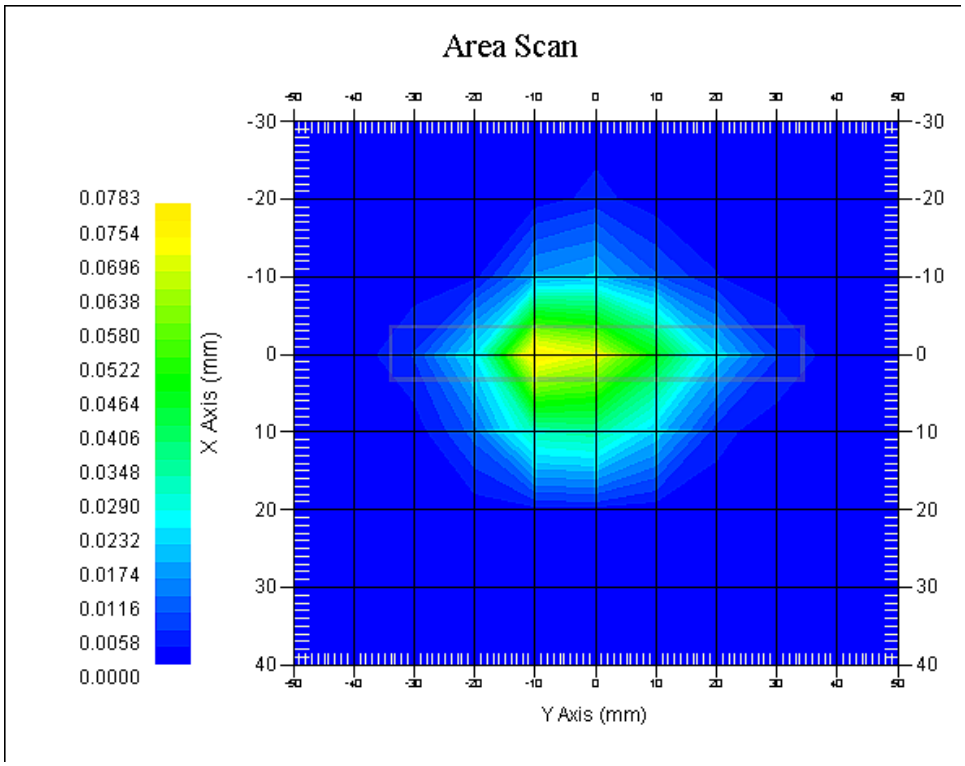
Measurement Data
Test mode : RMC
Crest Factor : 1
Scan Type : Complete
Area Scan : 11x8x1: Measurement x=10mm, y=10mm, z=4mm
Zoom Scan : 7x7x7: Measurement x=5mm, y=5mm, z=5mm
Power Drift-Start : 0.041 W/kg
Power Drift-Finish : 0.043 W/kg
Power Drift (%) : 4.878

Tissue Data
Type : Body
Frequency : 836.6 MHz
Epsilon : 54.70 F/m
Sigma : 1.00 S/m
Density : 1000.00 kg/cu. m

Probe Data
Serial No. : 500-00283
Frequency Band : 835
Duty Cycle Factor : 1
Conversion Factor : 5.9
Probe Sensitivity : 1.20 1.20 1.20 µV/(V/m)2
Compression Point : 95.00 mV
Offset : 1.56 mm

1 gram SAR value : 0.066 W/kg
10 gram SAR value : 0.031 W/kg
Area Scan Peak SAR : 0.078 W/kg
Zoom Scan Peak SAR : 0.142 W/kg

Plot 82#



Test Laboratory: Bay Area Compliance Lab Corp. (Shenzhen)

WCDMA1700; Body-Worn-Back (1712.4 MHz Low Channel)

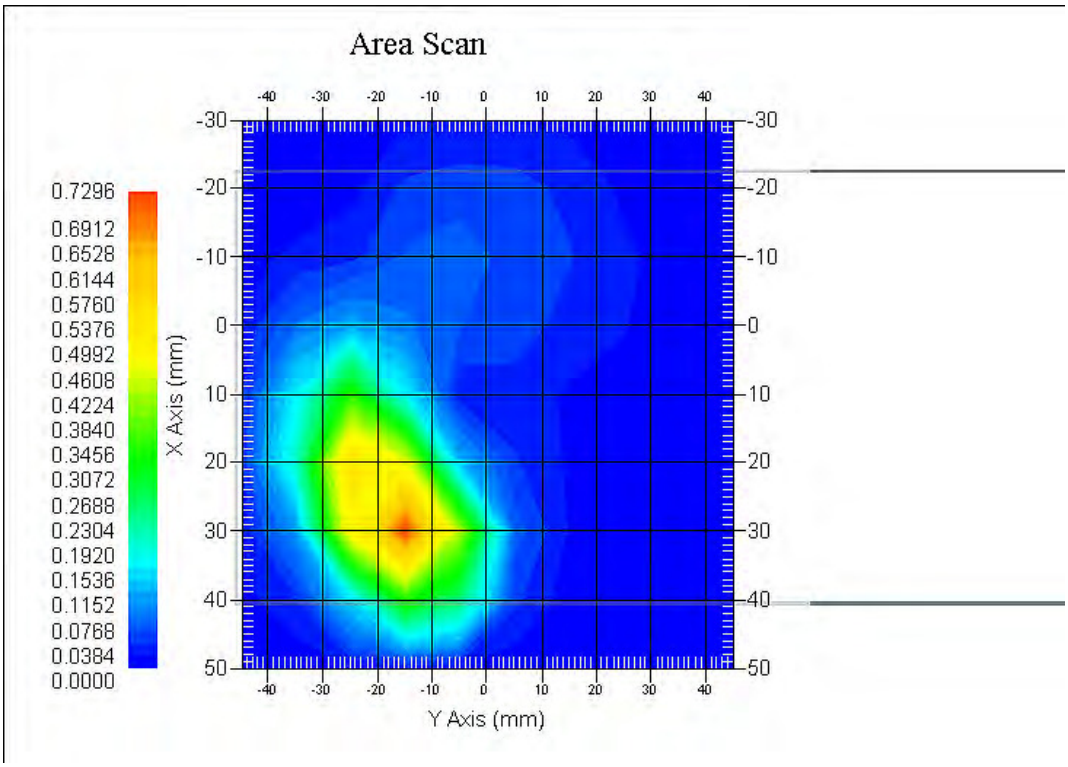
Measurement Data
Test mode : RMC
Crest Factor : 1
Scan Type : Complete
Area Scan : 11x9x1: Measurement x=10mm, y=10mm, z=4mm
Zoom Scan : 7x7x7: Measurement x=5mm, y=5mm, z=5mm
Power Drift-Start : 0.326 W/kg
Power Drift-Finish : 0.332 W/kg
Power Drift (%) : 1.840

Tissue Data
Type : Body
Frequency : 1712.4 MHz
Epsilon : 53.45F/m
Sigma : 1.54 S/m
Density : 1000.00 kg/cu. m

Probe Data
Serial No. : 500-00283
Frequency Band : 1900
Duty Cycle Factor : 1
Conversion Factor : 5.3
Probe Sensitivity : 1.20 1.20 1.20 µV/(V/m)2
Compression Point : 95.00 mV
Offset : 1.56 mm

1 gram SAR value : 0.577 W/kg
10 gram SAR value : 0.249 W/kg
Area Scan Peak SAR : 0.729 W/kg
Zoom Scan Peak SAR : 1.035 W/kg

Plot 83#



Test Laboratory: Bay Area Compliance Lab Corp. (Shenzhen)

WCDMA1700; Body-Worn-Back (1732.6 MHz Middle Channel)

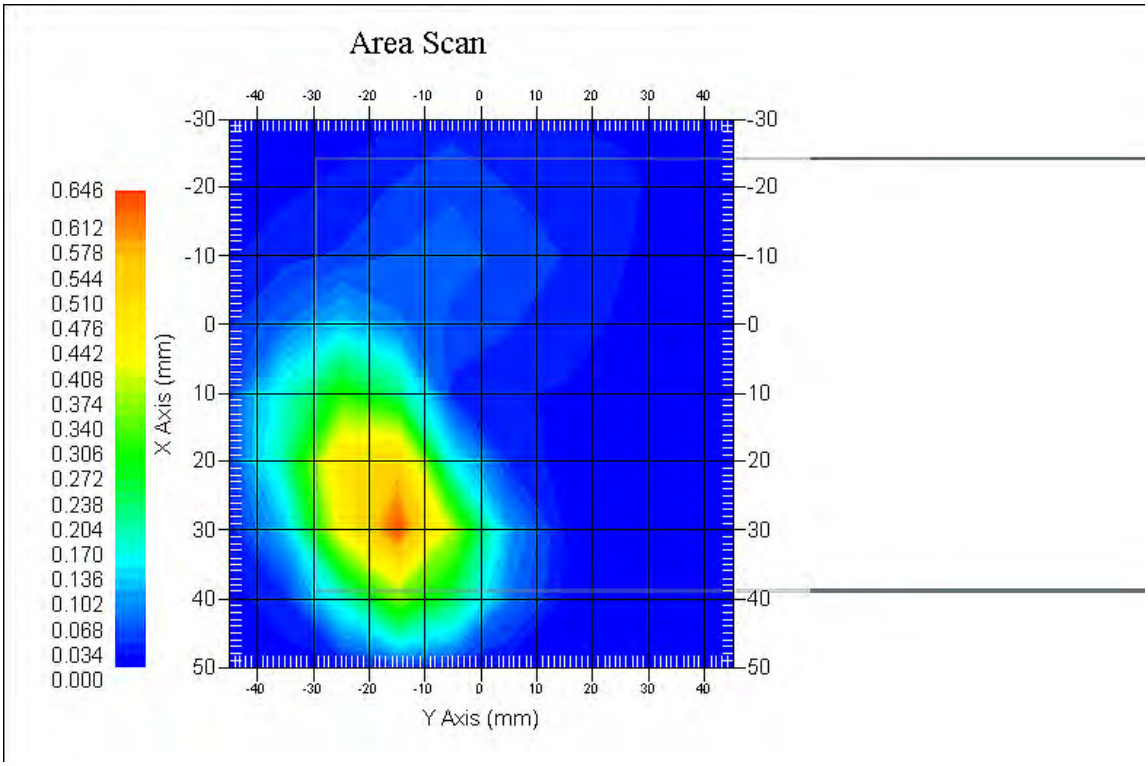
Measurement Data
Test mode : RMC
Crest Factor : 1
Scan Type : Complete
Area Scan : 11x9x1: Measurement x=10mm, y=10mm, z=4mm
Zoom Scan : 7x7x7: Measurement x=5mm, y=5mm, z=5mm
Power Drift-Start : 0.369 W/kg
Power Drift-Finish : 0.377 W/kg
Power Drift (%) : 2.168

Tissue Data
Type : Body
Frequency : 1732.6 MHz
Epsilon : 52.61 F/m
Sigma : 1.50 S/m
Density : 1000.00 kg/cu. m

Probe Data
Serial No. : 500-00283
Frequency Band : 1900
Duty Cycle Factor : 1
Conversion Factor : 5.3
Probe Sensitivity : 1.20 1.20 1.20 µV/(V/m)2
Compression Point : 95.00 mV
Offset : 1.56 mm

1 gram SAR value : 0.556 W/kg
10 gram SAR value : 0.251 W/kg
Area Scan Peak SAR : 0.645 W/kg
Zoom Scan Peak SAR : 0.998 W/kg

Plot 84#



Test Laboratory: Bay Area Compliance Lab Corp. (Shenzhen)

WCDMA1700; Body-Worn-Back (1752.6 MHz High Channel)

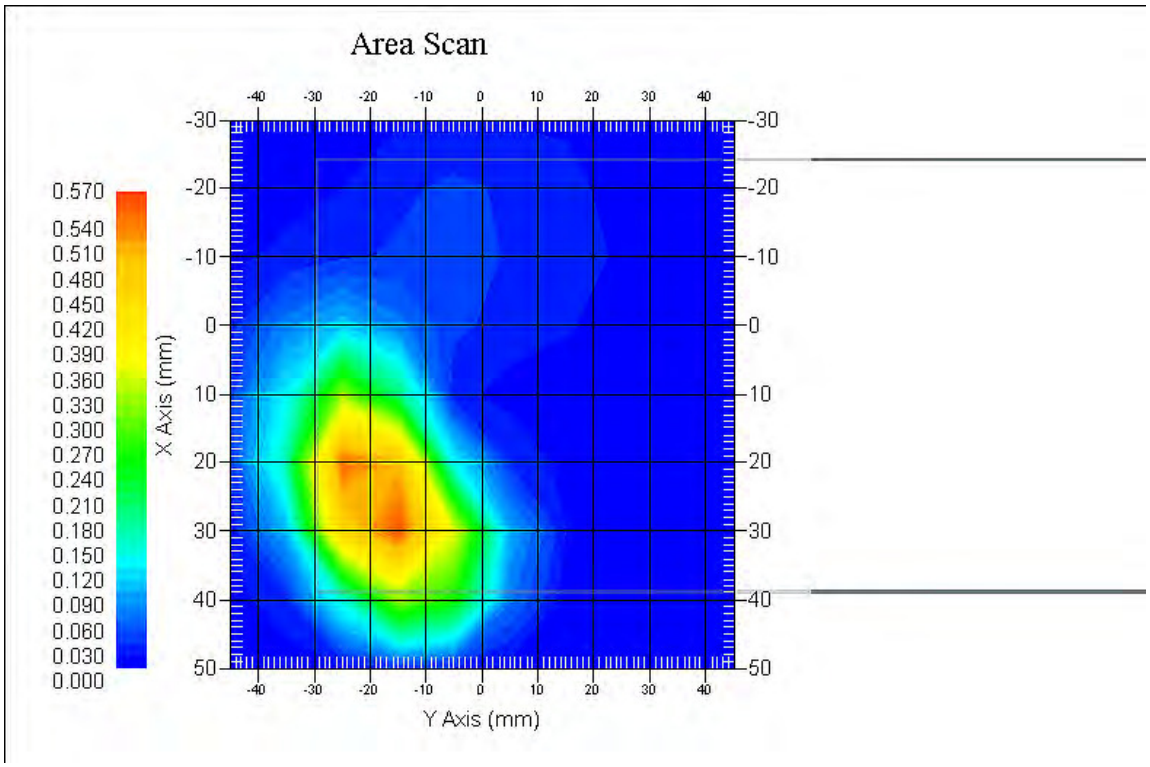
Measurement Data
Test mode : RMC
Crest Factor : 1
Scan Type : Complete
Area Scan : 11x9x1: Measurement x=10mm, y=10mm, z=4mm
Zoom Scan : 7x7x7: Measurement x=5mm, y=5mm, z=5mm
Power Drift-Start : 0.402 W/kg
Power Drift-Finish : 0.391 W/kg
Power Drift (%) : -2.736

Tissue Data
Type : Body
Frequency : 1752.6 MHz
Epsilon : 51.84 F/m
Sigma : 1.52 S/m
Density : 1000.00 kg/cu. m

Probe Data
Serial No. : 500-00283
Frequency Band : 1900
Duty Cycle Factor : 1
Conversion Factor : 5.3
Probe Sensitivity : 1.20 1.20 1.20 µV/(V/m)2
Compression Point : 95.00 mV
Offset : 1.56 mm

1 gram SAR value : 0.526 W/kg
10 gram SAR value : 0.227 W/kg
Area Scan Peak SAR : 0.569 W/kg
Zoom Scan Peak SAR : 0.893 W/kg

Plot 85#



Test Laboratory: Bay Area Compliance Lab Corp. (Shenzhen)

WCDMA1700; Body-Worn-Left (1732.6 MHz Middle Channel)

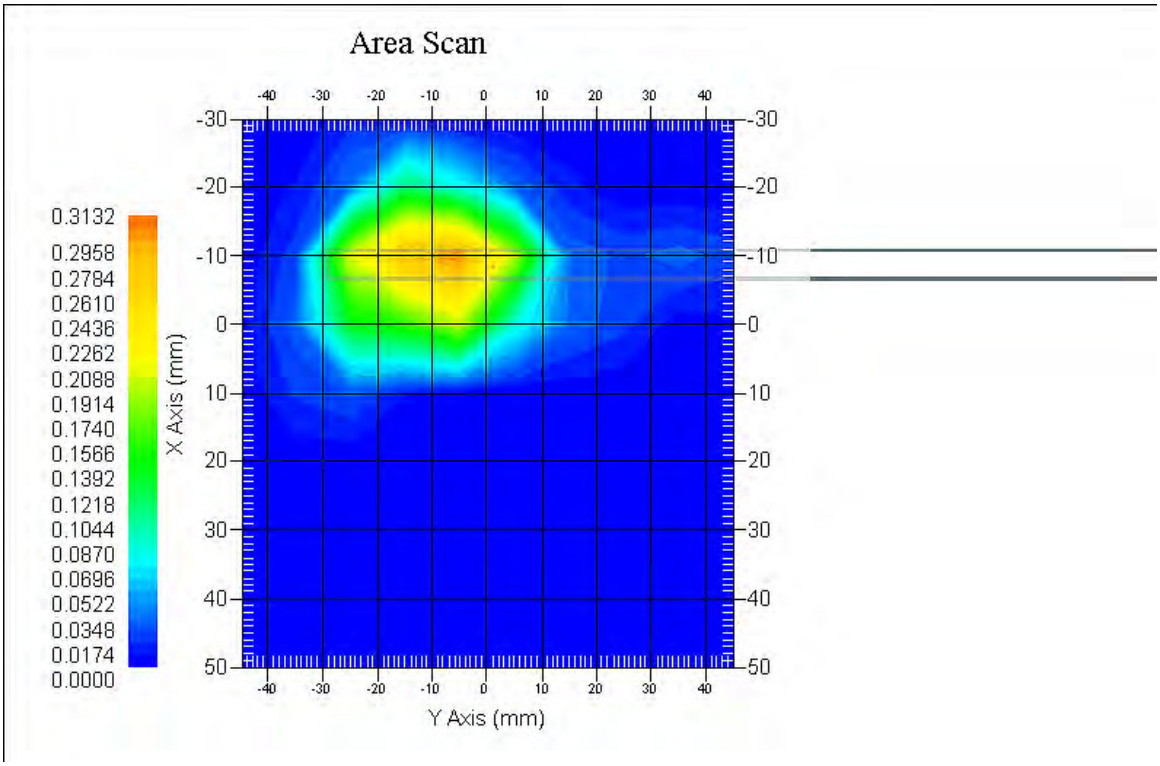
Measurement Data
Test mode : RMC
Crest Factor : 1
Scan Type : Complete
Area Scan : 11x9x1: Measurement x=10mm, y=10mm, z=4mm
Zoom Scan : 7x7x7: Measurement x=5mm, y=5mm, z=5mm
Power Drift-Start : 0.315 W/kg
Power Drift-Finish : 0.301 W/kg
Power Drift (%) : -4.443

Tissue Data
Type : Body
Frequency : 1732.6 MHz
Epsilon : 52.61 F/m
Sigma : 1.50 S/m
Density : 1000.00 kg/cu. m

Probe Data
Serial No. : 500-00283
Frequency Band : 1900
Duty Cycle Factor : 1
Conversion Factor : 5.3
Probe Sensitivity : 1.20 1.20 1.20 µV/(V/m)2
Compression Point : 95.00 mV
Offset : 1.56 mm

1 gram SAR value : 0.302 W/kg
10 gram SAR value : 0.115 W/kg
Area Scan Peak SAR : 0.313 W/kg
Zoom Scan Peak SAR : 0.452 W/kg

Plot 86#



Test Laboratory: Bay Area Compliance Lab Corp. (Shenzhen)

WCDMA1700; Body-Worn-Right (1732.6 MHz Middle Channel)

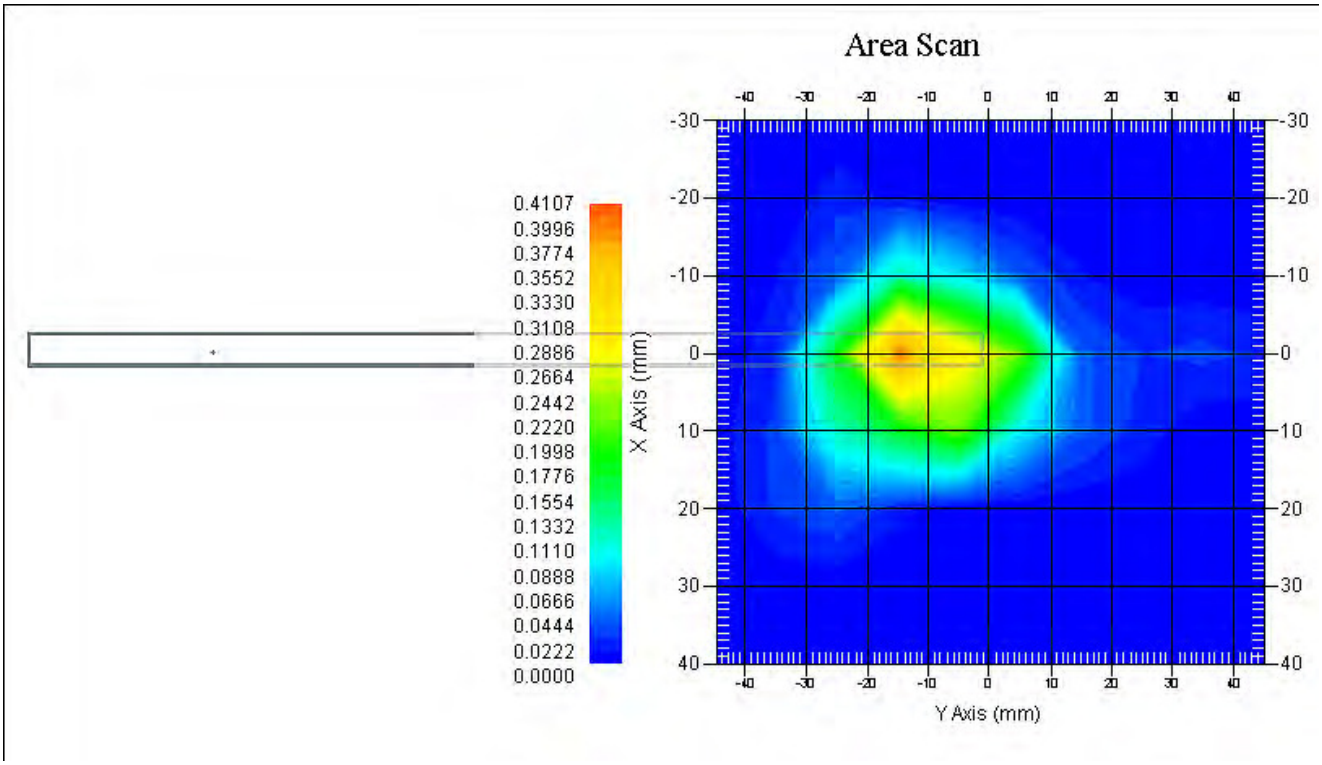
Measurement Data
Test mode : RMC
Crest Factor : 1
Scan Type : Complete
Area Scan : 11x9x1: Measurement x=10mm, y=10mm, z=4mm
Zoom Scan : 7x7x7: Measurement x=5mm, y=5mm, z=5mm
Power Drift-Start : 0.275 W/kg
Power Drift-Finish : 0.281 W/kg
Power Drift (%) : 2.182

Tissue Data
Type : Body
Frequency : 1732.6 MHz
Epsilon : 52.61 F/m
Sigma : 1.50 S/m
Density : 1000.00 kg/cu. m

Probe Data
Serial No. : 500-00283
Frequency Band : 1900
Duty Cycle Factor : 1
Conversion Factor : 5.3
Probe Sensitivity : 1.20 1.20 1.20 µV/(V/m)2
Compression Point : 95.00 mV
Offset : 1.56 mm

1 gram SAR value : 0.326 W/kg
10 gram SAR value : 0.134 W/kg
Area Scan Peak SAR : 0.410 W/kg
Zoom Scan Peak SAR : 0.638 W/kg

Plot 87#



Test Laboratory: Bay Area Compliance Lab Corp. (Shenzhen)

WCDMA1700; Body-Worn-Bottom (1732.6 MHz Middle Channel)

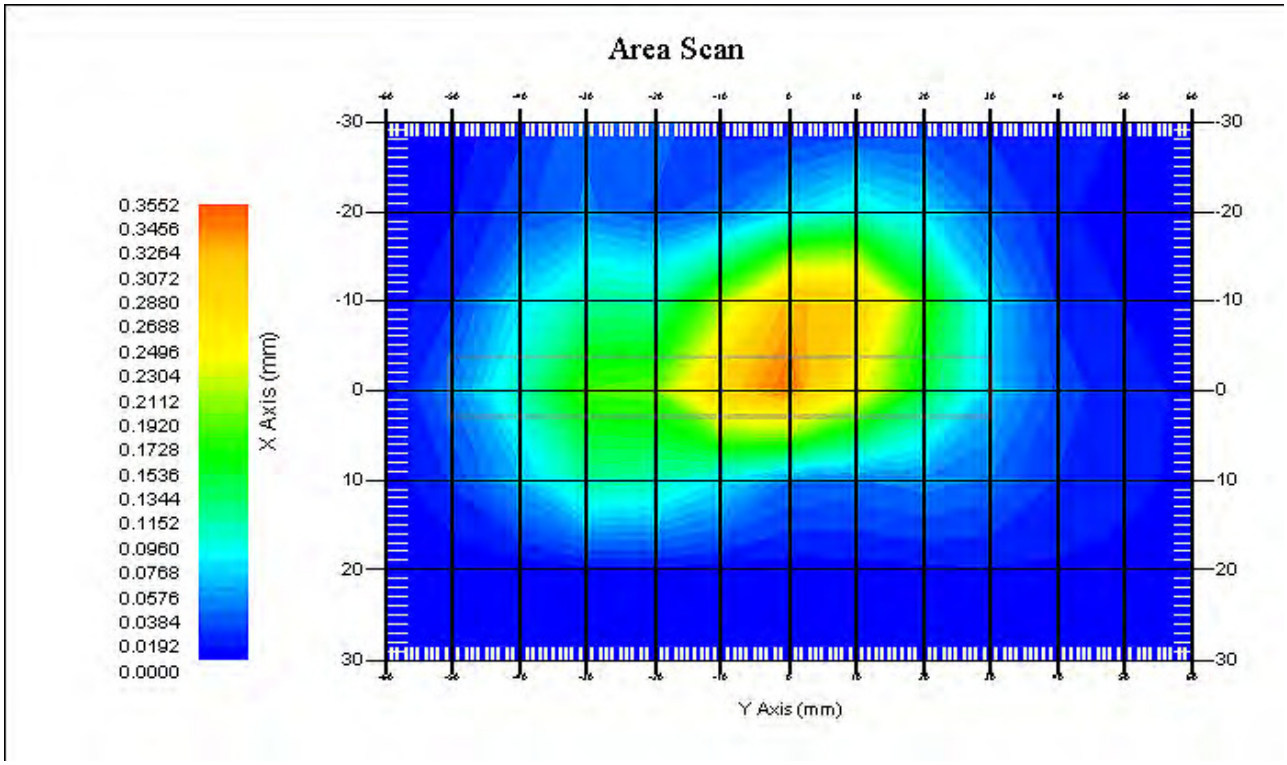
Measurement Data
Test mode : RMC
Crest Factor : 1
Scan Type : Complete
Area Scan : 11x9x1: Measurement x=10mm, y=10mm, z=4mm
Zoom Scan : 7x7x7: Measurement x=5mm, y=5mm, z=5mm
Power Drift-Start : 0.335 W/kg
Power Drift-Finish : 0.329 W/kg
Power Drift (%) : -1.712

Tissue Data
Type : Body
Frequency : 1732.6 MHz
Epsilon : 52.61 F/m
Sigma : 1.50 S/m
Density : 1000.00 kg/cu. m

Probe Data
Serial No. : 500-00283
Frequency Band : 1900
Duty Cycle Factor : 1
Conversion Factor : 5.3
Probe Sensitivity : 1.20 1.20 1.20 µV/(V/m)2
Compression Point : 95.00 mV
Offset : 1.56 mm

1 gram SAR value : 0.329 W/kg
10 gram SAR value : 0.145 W/kg
Area Scan Peak SAR : 0.355 W/kg
Zoom Scan Peak SAR : 0.512 W/kg

Plot 88#



Test Laboratory: Bay Area Compliance Lab Corp. (Shenzhen)

WCDMA1900; Body-Worn-Back (1852.4 MHz Low Channel)

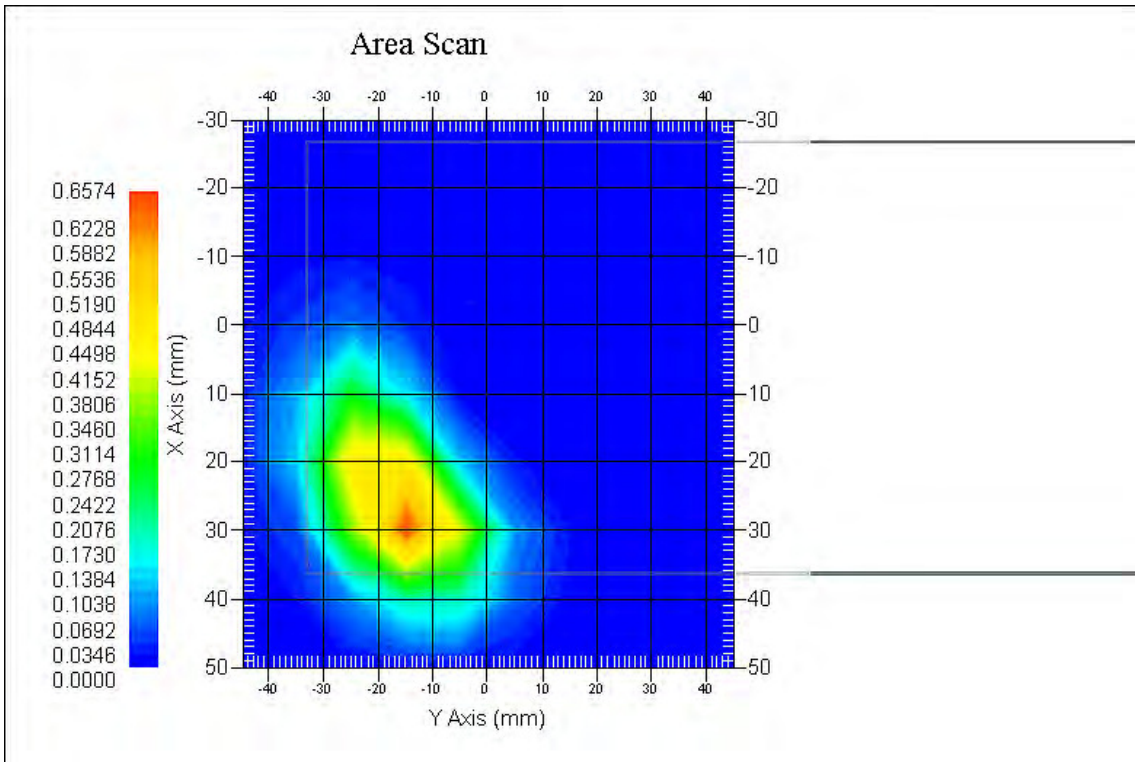
Measurement Data
Test mode : RMC
Crest Factor : 1
Scan Type : Complete
Area Scan : 11x9x1: Measurement x=10mm, y=10mm, z=4mm
Zoom Scan : 7x7x7: Measurement x=5mm, y=5mm, z=5mm
Power Drift-Start : 0.451 W/kg
Power Drift-Finish : 0.439 W/kg
Power Drift (%) : -2.655

Tissue Data
Type : Body
Frequency : 1852.4 MHz
Epsilon : 52.26 F/m
Sigma : 1.52 S/m
Density : 1000.00 kg/cu. m

Probe Data
Serial No. : 500-00283
Frequency Band : 1900
Duty Cycle Factor : 1
Conversion Factor : 4.8
Probe Sensitivity : 1.20 1.20 1.20 µV/(V/m)2
Compression Point : 95.00 mV
Offset : 1.56 mm

1 gram SAR value : 0.539 W/kg
10 gram SAR value : 0.215 W/kg
Area Scan Peak SAR : 0.657 W/kg
Zoom Scan Peak SAR : 0.996 W/kg

Plot 89#



Test Laboratory: Bay Area Compliance Lab Corp. (Shenzhen)

WCDMA1900; Body-Worn-Back (1880 MHz Middle Channel)

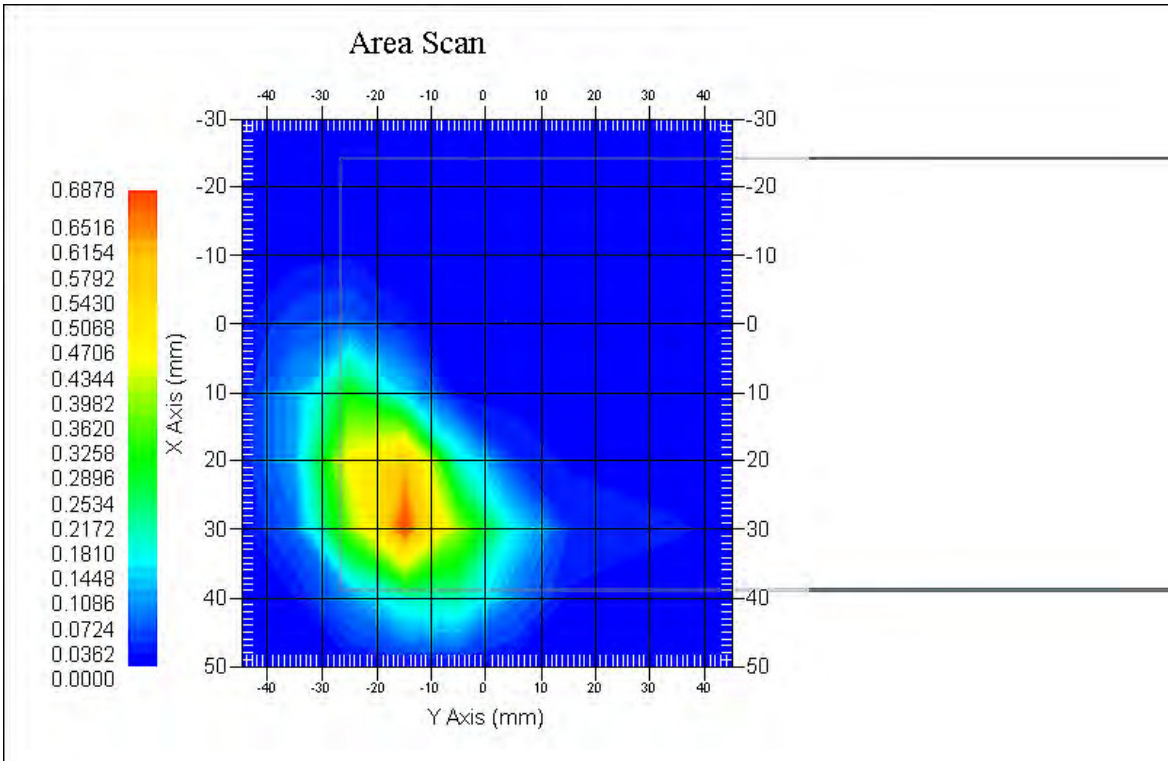
Measurement Data
Test mode : RMC
Crest Factor : 1
Scan Type : Complete
Area Scan : 11x9x1: Measurement x=10mm, y=10mm, z=4mm
Zoom Scan : 7x7x7: Measurement x=5mm, y=5mm, z=5mm
Power Drift-Start : 0.396 W/kg
Power Drift-Finish : 0.405 W/kg
Power Drift (%) : 2.273

Tissue Data
Type : Body
Frequency : 1880.0 MHz
Epsilon : 52.72 F/m
Sigma : 1.53 S/m
Density : 1000.00 kg/cu. m

Probe Data
Serial No. : 500-00283
Frequency Band : 1900
Duty Cycle Factor : 1
Conversion Factor : 4.8
Probe Sensitivity : 1.20 1.20 1.20 µV/(V/m)2
Compression Point : 95.00 mV
Offset : 1.56 mm

1 gram SAR value : 0.575 W/kg
10 gram SAR value : 0.225 W/kg
Area Scan Peak SAR : 0.687 W/kg
Zoom Scan Peak SAR : 1.021 W/kg

Plot 90#



Test Laboratory: Bay Area Compliance Lab Corp. (Shenzhen)

WCDMA1900; Body-Worn-Back (1907.6 MHz High Channel)

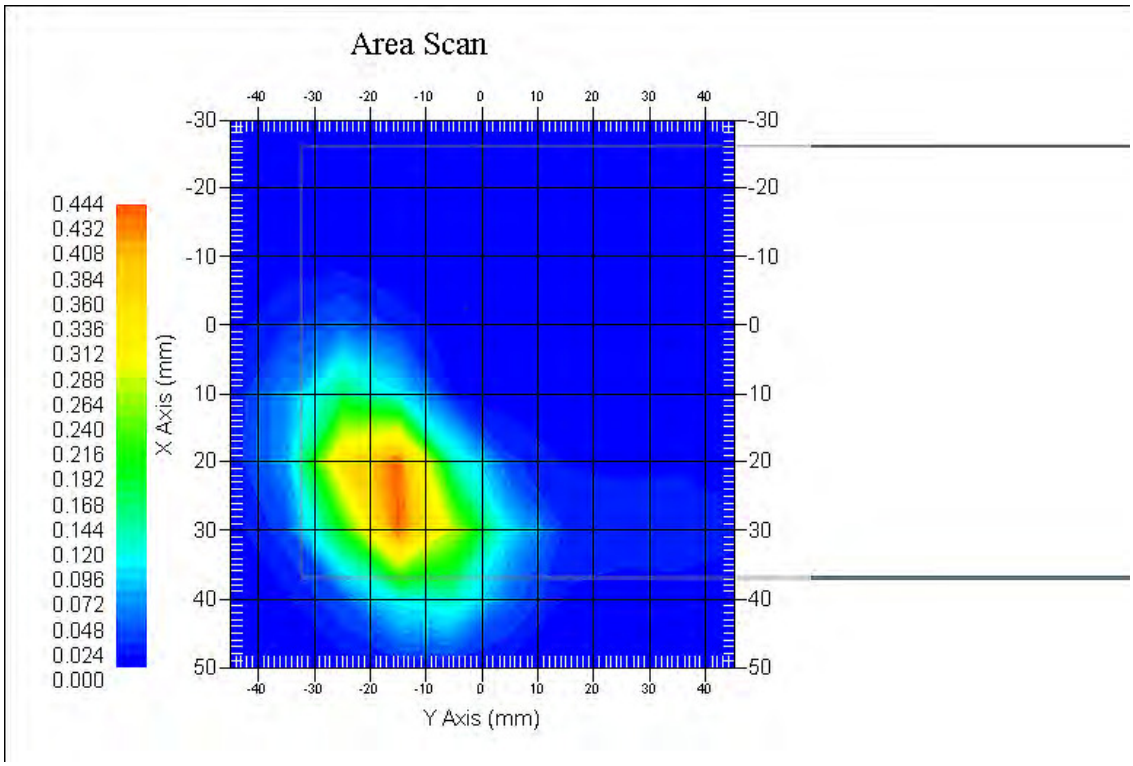
Measurement Data
Test mode : RMC
Crest Factor : 1
Scan Type : Complete
Area Scan : 11x9x1: Measurement x=10mm, y=10mm, z=4mm
Zoom Scan : 7x7x7: Measurement x=5mm, y=5mm, z=5mm
Power Drift-Start : 0.475 W/kg
Power Drift-Finish : 0.460 W/kg
Power Drift (%) : -3.158

Tissue Data
Type : Body
Frequency : 1907.6 MHz
Epsilon : 52.58 F/m
Sigma : 1.54 S/m
Density : 1000.00 kg/cu. m

Probe Data
Serial No. : 500-00283
Frequency Band : 1900
Duty Cycle Factor : 1
Conversion Factor : 4.8
Probe Sensitivity : 1.20 1.20 1.20 µV/(V/m)2
Compression Point : 95.00 mV
Offset : 1.56 mm

1 gram SAR value : 0.412 W/kg
10 gram SAR value : 0.152 W/kg
Area Scan Peak SAR : 0.444 W/kg
Zoom Scan Peak SAR : 0.758 W/kg

Plot 91#



Test Laboratory: Bay Area Compliance Lab Corp. (Shenzhen)

WCDMA1900; Body-Worn-Left (1880 MHz Middle Channel)

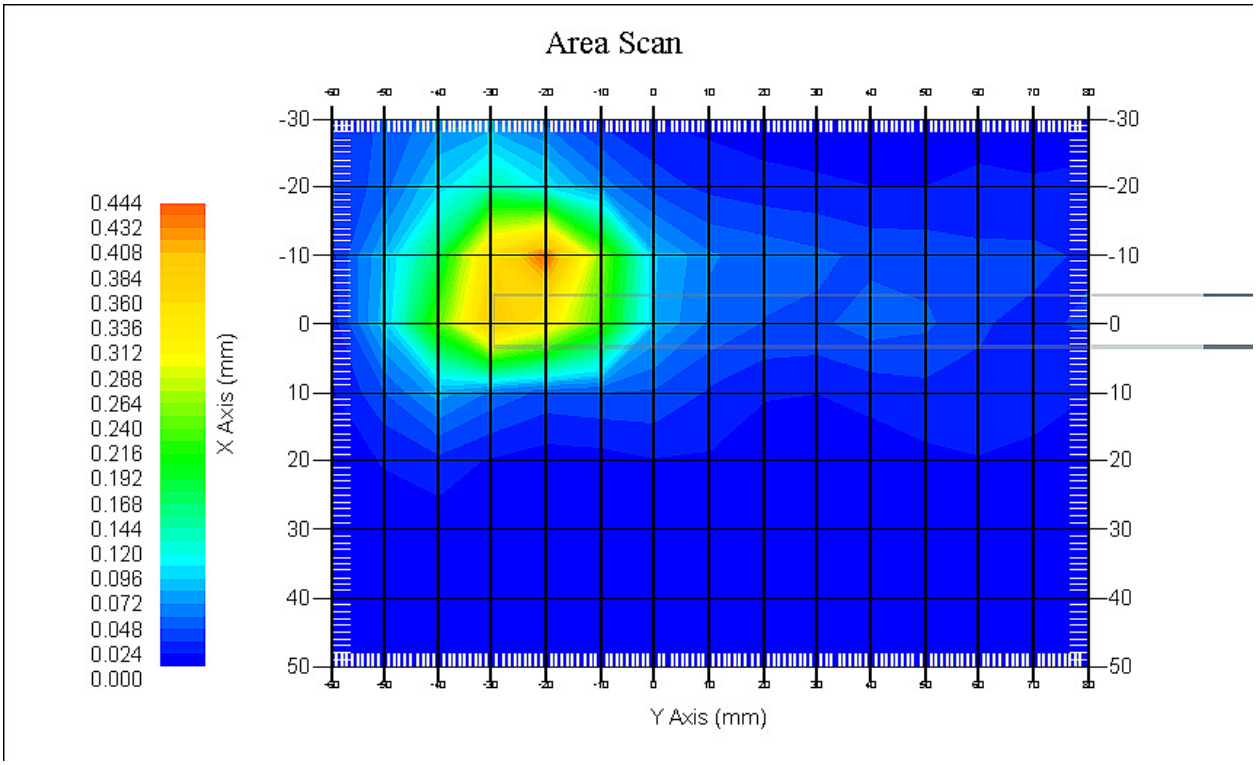
Measurement Data
Test mode : RMC
Crest Factor : 1
Scan Type : Complete
Area Scan : 11x9x1: Measurement x=10mm, y=10mm, z=4mm
Zoom Scan : 7x7x7: Measurement x=5mm, y=5mm, z=5mm
Power Drift-Start : 0.252 W/kg
Power Drift-Finish : 0.247 W/kg
Power Drift (%) : -1.984

Tissue Data
Type : Body
Frequency : 1880.0 MHz
Epsilon : 52.72 F/m
Sigma : 1.53 S/m
Density : 1000.00 kg/cu. m

Probe Data
Serial No. : 500-00283
Frequency Band : 1900
Duty Cycle Factor : 1
Conversion Factor : 4.8
Probe Sensitivity : 1.20 1.20 1.20 µV/(V/m)2
Compression Point : 95.00 mV
Offset : 1.56 mm

1 gram SAR value : 0.375 W/kg
10 gram SAR value : 0.162 W/kg
Area Scan Peak SAR : 0.441 W/kg
Zoom Scan Peak SAR : 0.697 W/kg

Plot 92#



Test Laboratory: Bay Area Compliance Lab Corp. (Shenzhen)

WCDMA1900; Body-Worn-Right (1880 MHz Middle Channel)

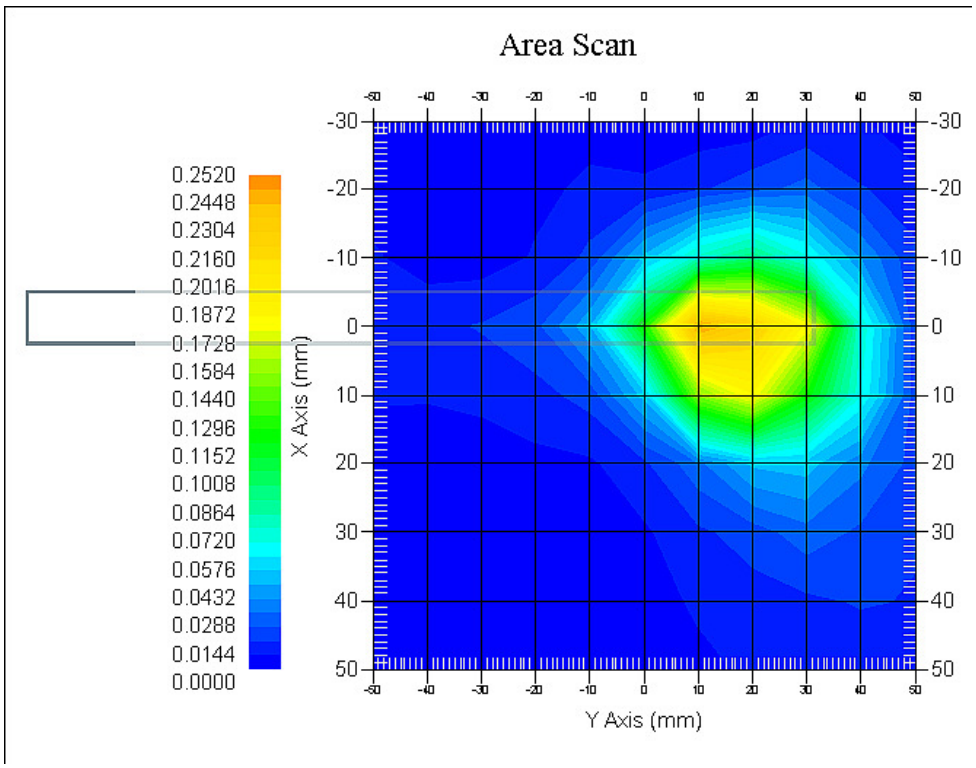
Measurement Data
Test mode : RMC
Crest Factor : 1
Scan Type : Complete
Area Scan : 11x9x1: Measurement x=10mm, y=10mm, z=4mm
Zoom Scan : 7x7x7: Measurement x=5mm, y=5mm, z=5mm
Power Drift-Start : 0.232 W/kg
Power Drift-Finish : 0.226 W/kg
Power Drift (%) : -2.586

Tissue Data
Type : Body
Frequency : 1880.0 MHz
Epsilon : 52.72 F/m
Sigma : 1.53 S/m
Density : 1000.00 kg/cu. m

Probe Data
Serial No. : 500-00283
Frequency Band : 1900
Duty Cycle Factor : 1
Conversion Factor : 4.8
Probe Sensitivity : 1.20 1.20 1.20 µV/(V/m)2
Compression Point : 95.00 mV
Offset : 1.56 mm

1 gram SAR value : 0.239 W/kg
10 gram SAR value : 0.105 W/kg
Area Scan Peak SAR : 0.252 W/kg
Zoom Scan Peak SAR : 0.428 W/kg

Plot 93#



Test Laboratory: Bay Area Compliance Lab Corp. (Shenzhen)

WCDMA1900; Body-Worn-Bottom (1880 MHz Middle Channel)

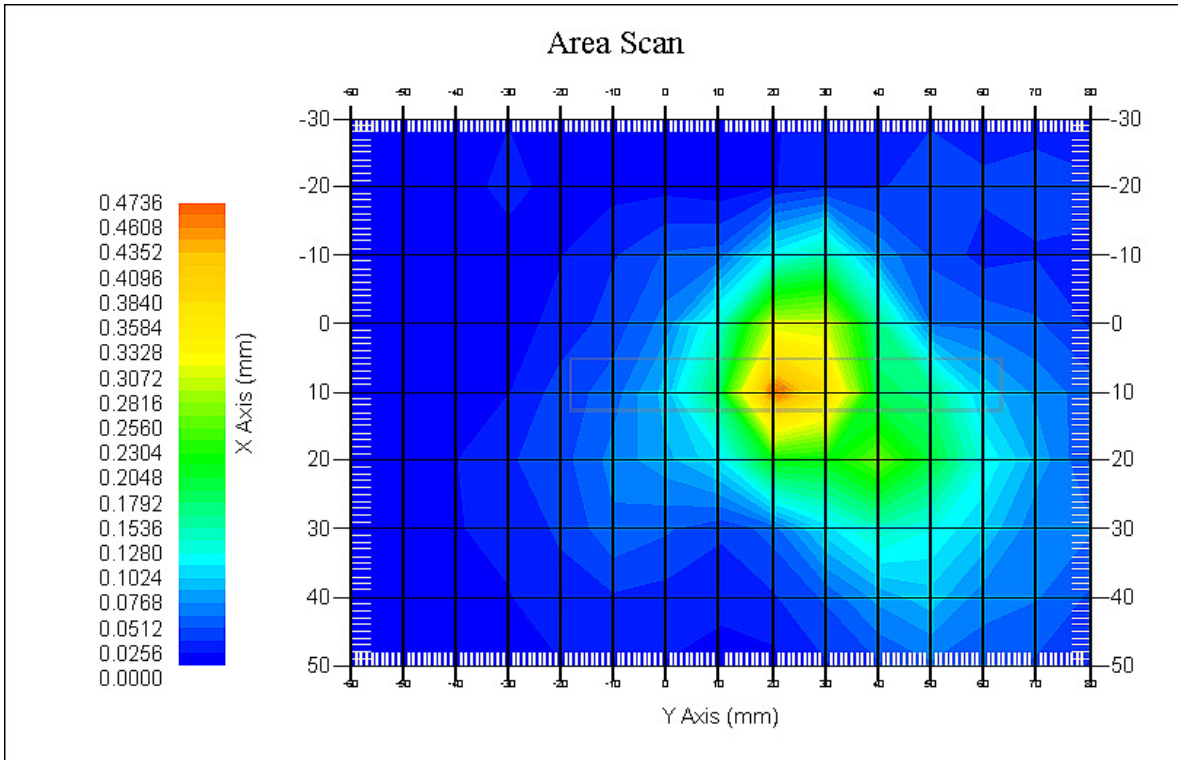
Measurement Data
Test mode : RMC
Crest Factor : 1
Scan Type : Complete
Area Scan : 11x9x1: Measurement x=10mm, y=10mm, z=4mm
Zoom Scan : 7x7x7: Measurement x=5mm, y=5mm, z=5mm
Power Drift-Start : 0.325 W/kg
Power Drift-Finish : 0.337 W/kg
Power Drift (%) : 3.692

Tissue Data
Type : Body
Frequency : 1880.0 MHz
Epsilon : 52.72 F/m
Sigma : 1.53 S/m
Density : 1000.00 kg/cu. m

Probe Data
Serial No. : 500-00283
Frequency Band : 1900
Duty Cycle Factor : 1
Conversion Factor : 4.8
Probe Sensitivity : 1.20 1.20 1.20 µV/(V/m)2
Compression Point : 95.00 mV
Offset : 1.56 mm

1 gram SAR value : 0.402 W/kg
10 gram SAR value : 0.185 W/kg
Area Scan Peak SAR : 0.473 W/kg
Zoom Scan Peak SAR : 0.795 W/kg

Plot 94#



Test Laboratory: Bay Area Compliance Lab Corp. (Shenzhen)

LTE FDD Band 2; Body-Worn-Back (1900 MHz High Channel);

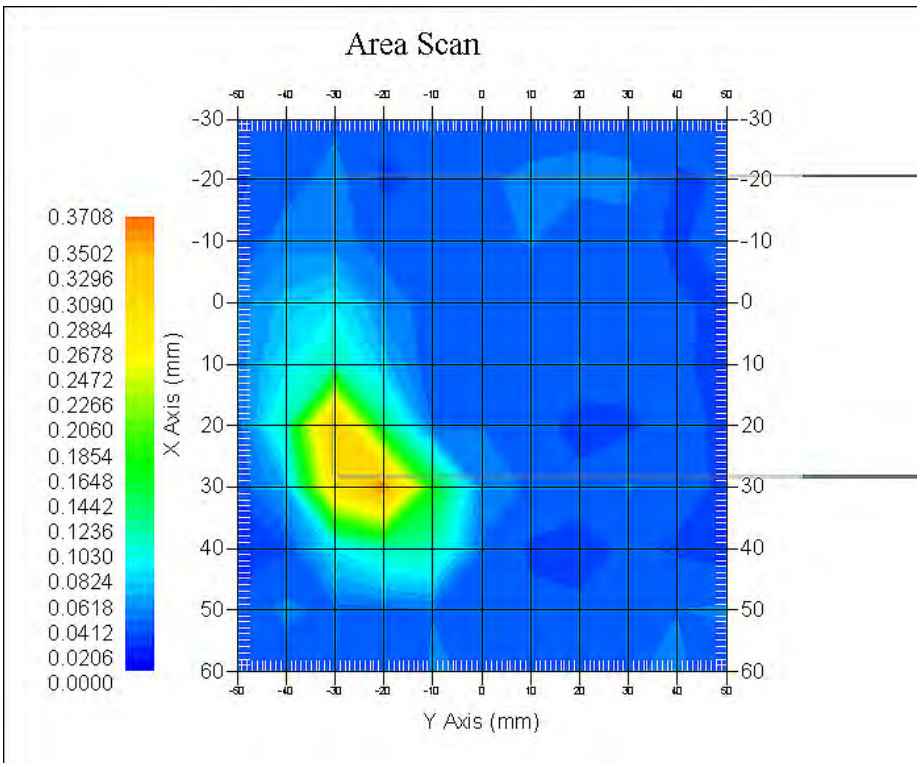
Measurement Data
Test mode : 1RB
Crest Factor : 1
Scan Type： : Complete
Area Scan : 8x11x1 : Measurement x=10mm, y=10mm, z=4mm
Zoom Scan : 7x7x7 : Measurement x=5mm, y=5mm, z=5mm
Power Drift-Start : 0.263 W/kg
Power Drift-Finish : 0.252 W/kg
Power Drift (%) : -4.183

Tissue Data
Type : Body
Frequency : 1900 MHz
Epsilon : 52.87 F/m
Sigma : 1.54 S/m
Density : 1000.00 kg/cu. m

Probe Data
Serial No. : 500-00283
Frequency Band : 1900
Duty Cycle Factor : 1
Conversion Factor : 4.8
Probe Sensitivity : 1.20 1.20 1.20 μV/(V/m)2
Compression Point : 95.00 mV
Offset : 1.56 mm

1 gram SAR value : 0.319 W/kg
10 gram SAR value : 0.128 W/kg
Area Scan Peak SAR : 0.369 W/kg
Zoom Scan Peak SAR : 0.574 W/kg

Plot 95#



Test Laboratory: Bay Area Compliance Lab Corp. (Shenzhen)

LTE FDD Band 2; Body-Worn-Back (1860 MHz Low Channel);

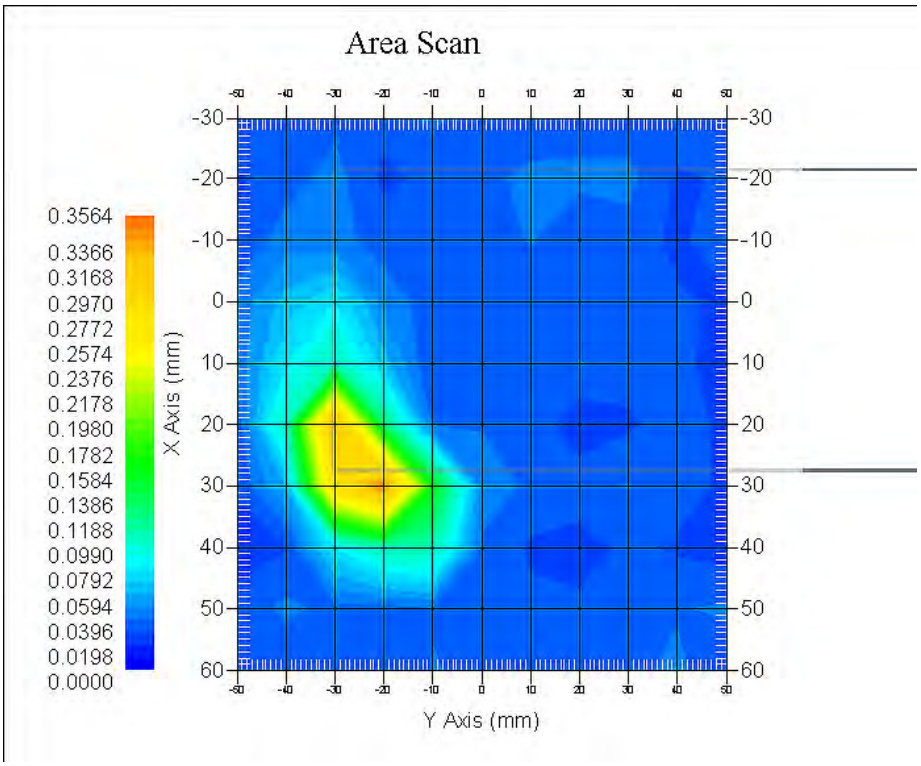
Measurement Data
Test mode : 50%RB
Crest Factor : 1
Scan Type： : Complete
Area Scan : 8x11x1 : Measurement x=10mm, y=10mm, z=4mm
Zoom Scan : 7x7x7 : Measurement x=5mm, y=5mm, z=5mm
Power Drift-Start : 0.230 W/kg
Power Drift-Finish : 0.224 W/kg
Power Drift (%) : -2.609

Tissue Data
Type : Body
Frequency : 1860 MHz
Epsilon : 52.70 F/m
Sigma : 1.55 S/m
Density : 1000.00 kg/cu. m

Probe Data
Serial No. : 500-00283
Frequency Band : 1900
Duty Cycle Factor : 1
Conversion Factor : 4.8
Probe Sensitivity : 1.20 1.20 1.20 μV/(V/m)2
Compression Point : 95.00 mV
Offset : 1.56 mm

1 gram SAR value : 0.287 W/kg
10 gram SAR value : 0.118 W/kg
Area Scan Peak SAR : 0.356 W/kg
Zoom Scan Peak SAR : 0.512 W/kg

Plot 96#



Test Laboratory: Bay Area Compliance Lab Corp. (Shenzhen)

LTE FDD Band 2; Body-Worn-Left (1900 MHz High Channel);

Measurement Data
Test mode : 1RB
Crest Factor : 1
Scan Type： : Complete
Area Scan : 8x11x1 : Measurement x=10mm, y=10mm, z=4mm
Zoom Scan : 7x7x7 : Measurement x=5mm, y=5mm, z=5mm
Power Drift-Start : 0.188 W/kg
Power Drift-Finish : 0.192 W/kg
Power Drift (%) : 2.128

Tissue Data
Type : Body
Frequency : 1900 MHz
Epsilon : 52.87 F/m
Sigma : 1.54 S/m
Density : 1000.00 kg/cu. m

Probe Data
Serial No. : 500-00283
Frequency Band : 1900
Duty Cycle Factor : 1
Conversion Factor : 4.8
Probe Sensitivity : 1.20 1.20 1.20 μV/(V/m)2
Compression Point : 95.00 mV
Offset : 1.56 mm

1 gram SAR value : 0.256 W/kg
10 gram SAR value : 0.101 W/kg
Area Scan Peak SAR : 0.345 W/kg
Zoom Scan Peak SAR : 0.498 W/kg

Plot 97#