SAR EVALUATION REPORT

For

b mobile HK Limited

Flat 18; 14/F Block 1; Golden Industrial Building; 16-26 Kwai Tak Street;

Kwai Chung; New Territories; Hong Kong, China

FCC ID: ZSW-30-013

Report Type:	Product Type:
Revised Report	Smart Phone

Prepared By:	Terry XiaHou
Report Number:	RSZ150716003-20 Rev
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Reviewed By:	Wilson Chen
Prepared By:	Bay Area Compliance Laboratories Corp. (Shenzhen) 6/F, the 3rd Phase of WanLi Industrial Building, ShiHua Road, FuTian Free Trade Zone Shenzhen, Guangdong, China Tel: +86-755-33320018 Fax: +86-755-33320008 www.baclcorp.com.cn

Attestation of Test Results			
EUT Information	**Company Name**	b mobile HK Limited	
	EUT Description	Mobile Phone	
	FCC ID	ZSW-30-013	
	Model Number	Tested Model:AX1055 Multiple Model: AX1045	
	Test Date	2016-10-18, 2016-10-19, 2016-10-20 and 2016-11-08	
Frequency	**Max. SAR Level(s) Reported**		**Limit(W/Kg)**
GSM 850	0.430 W/kg 1g Head SAR 0.879 W/kg 1g Body SAR		**1. 6**
PCS 1900	0.248 W/kg 1g Head SAR 0.419 W/kg 1g Body SAR		
WCDMA 850	0.116 W/kg 1g Head SAR 0.436 W/kg 1g Body SAR		
WCDMA 1900	0.881 W/kg 1g Head SAR 1.025 W/kg 1g Body SAR		
LTE Band 2	0.602 W/kg 1g Head SAR 0.744 W/kg 1g Body SAR		
LTE Band 4	0.380 W/kg 1g Head SAR 0.618 W/kg 1g Body SAR		
LTE Band 5	0.265 W/kg 1g Head SAR 0.446 W/kg 1g Body SAR		
LTE Band 7	0.283 W/kg 1g Head SAR 0.421 W/kg 1g Body SAR		
Simultaneous	1.281 W/kg 1g Head SAR 1.225 W/kg 1g Body SAR		
Hotspot	1.225 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 v02r03 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.**			

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DOCUMENT REVISION HISTORY

Revision Number	Report Number	Description of Revision	Date of Revision
0	RSZ150716003-20	Original Report	2015-07-27
1	RSZ150716003-20 Rev	Revised Report	2016-11-08

EUT DESCRIPTION

This report has been prepared on behalf of b mobile HK Limited and their product, FCC ID: ZSW-30-013, Model: AX1055 or the EUT (Equipment under Test) as referred to in the rest of this report.

**Note: This series products model: AX1055 and AX1045, we select model: AX1055 to test, there is no electrical change has been made to the equipment, please refer to the product similarity letter.*

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 (R99 (Voice+Data), HSUPA Rel 6,HSDPA Rel 6), 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 1900 : 1850-1910 MHz(TX) ; 1930-1990 MHz(RX) LTE Band 2: 1850-1910MHz(TX) ; 1930-1990MHz(RX) LTE Band 4: 1710-1755MHz(TX) ; 2110-2155MHz(RX) LTE Band 5: 824-849MHz(TX) ; 869-894MHz(RX) LTE Band 7: 2500-2570MHz(TX) ; 2620-2690MHz(RX) Wi-Fi(802.11b/g/n20): 2412MHz-2472MHz Wi-Fi(802.11n40): 2422MHz-2462MHz Bluetooth3.0 : 2402MHz-2480MHz BLE:2402MHz-2480MHz
Conducted RF Power:	GSM 850 : 32.91 dBm PCS 1900: 30.40 dBm WCDMA 850: 22.10 dBm WCDMA 1900: 21.30 dBm LTE Band 2: 22.47 dBm LTE Band 4: 21.55 dBm LTE Band 5: 21.97 dBm LTE Band 7: 22.18 dBm Wi-Fi: 9.78 dBm Bluetooth3.0: -0.67 dBm BLE: -6.84 dBm
Dimensions (L*W*H):	145 mm (L) × 73 mm (W) × 10 mm (H)
Power Source:	3.7 V_{DC} 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 (1g Tissue)

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 (10g Tissue)

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).

General Population/Uncontrolled environments Spatial Peak limit 1.6W/kg (FCC) & 2 W/kg (CE) applied to the EUT.

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

DASY4 SAR Evaluation Procedure

Power Reference Measurement

The Power Reference Measurement and Power Drift Measurement jobs are useful jobs for monitoring the power drift of the device under test in the batch process. Both jobs measure the field at a specified reference position, at a selectable distance from the phantom surface. The reference position can be either the selected section's grid reference point or a user point in this section. The reference job projects the selected point onto the phantom surface, orients the probe perpendicularly to the surface, and approaches the surface using the selected detection method. The Minimum distance of probe sensors to surface determines the closest measurement point to phantom surface. By default, the Minimum distance of probe sensors to surface is 4mm. This distance can be modified by the user, but cannot be smaller than the Distance of sensor calibration points to probe tip as defined in the probe properties (for example, 2.7mm for an ES3DV3 probe type).

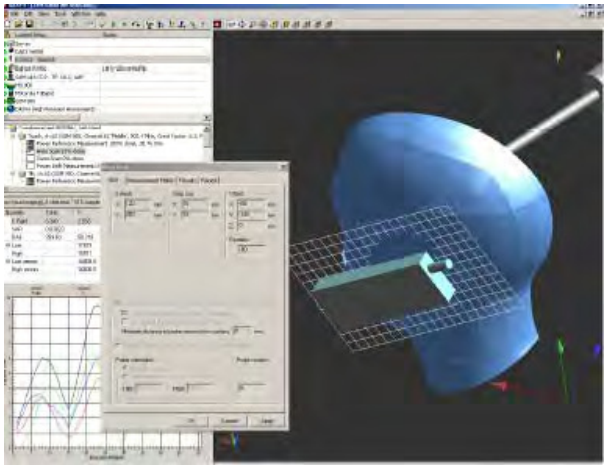
Area Scan

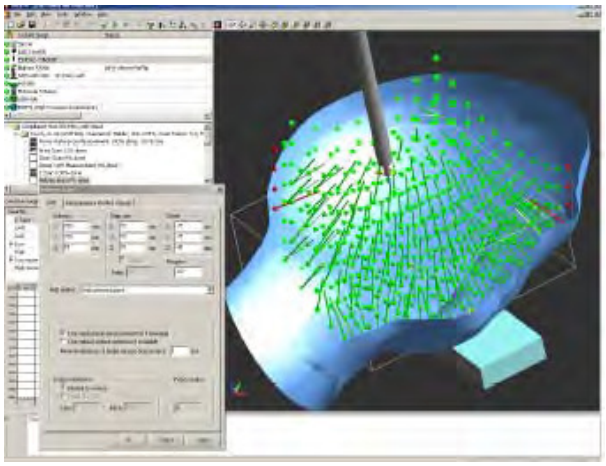
The Area Scan is used as a fast scan in two dimensions to find the area of high field values, before doing a finer measurement around the hot spot. The sophisticated interpolation routines implemented in DASY4 software can find the maximum locations even in relatively coarse grids.

The scanning area is defined by an editable grid. This grid is anchored at the grid reference point of the selected section in the phantom. When the Area Scan's property sheet is brought-up, grid settings can be edited by a user.

When an Area Scan has measured all reachable points, it computes the field maxima found in the scanned area, within a range of the global maximum. The range (in dB) is specified in the standards for compliance testing. For example, a 2 dB range is required in IEEE 1528-2013, IEC 62209-1:2006 and IEC 62209-2:2010 standards, whereby 3 dB is a requirement when compliance is assessed in accordance with the ARIB standard (Japan). If only one Zoom Scan follows the Area Scan, then only the absolute maximum will be taken as reference. For cases where multiple maximums are detected, the number of Zoom Scans has to be increased accordingly.

After measurement is completed, all maxima and their coordinates are listed in the Results property page. The maximum selected in the list is highlighted in the 3-D view. For the secondary maxima returned from an Area Scan, the user can specify a lower limit (peak SAR value), in addition to the Find secondary maxima within x dB condition. Only the primary maximum and any secondary maxima within x dB from the primary maximum and above this limit will be measured.





Zoom Scan

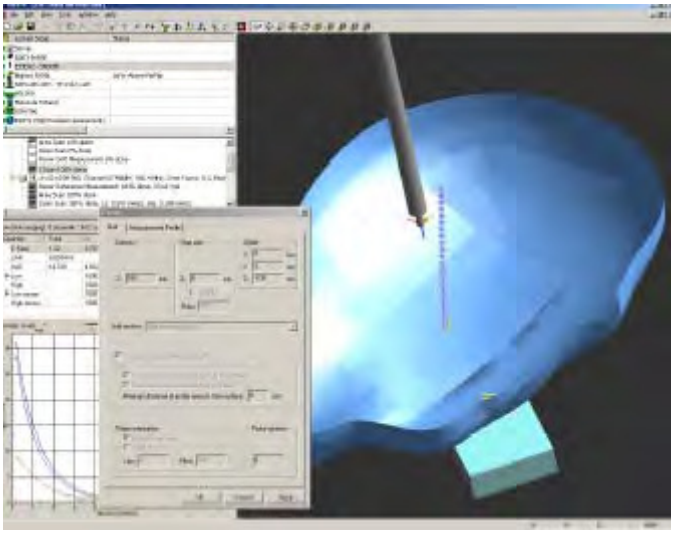
Zoom Scans are used to assess the peak spatial SAR values within a cubic averaging volume containing 1 g and 10 g of simulated tissue. The default Zoom Scan measures 5 x 5 x 7 points within a cube whose base faces are centered around the maxima found in a preceding area scan job within the same procedure. When the measurement is done, the Zoom Scan evaluates the averaged SAR for 1 g and 10 g and displays these values next to the job's label.

Power drift measurement

The Power Drift Measurement job measures the field at the same location as the most recent power reference measurement job within the same procedure, and with the same settings. The Power Drift Measurement gives the field difference in dB from the reading conducted within the last Power Reference Measurement. Several drift measurements are possible for one reference measurement. This allows a user to monitor the power drift of the device under test within a batch process. The measurement procedure is the same as Step 1.

Z-Scan

The Z Scan job measures points along a vertical straight line. The line runs along the Z axis of a one-dimensional grid. A user can anchor the grid to the section reference point, to any defined user point or to the current probe location. As with any other grids, the local Z axis of the anchor location establishes the Z axis of the grid.



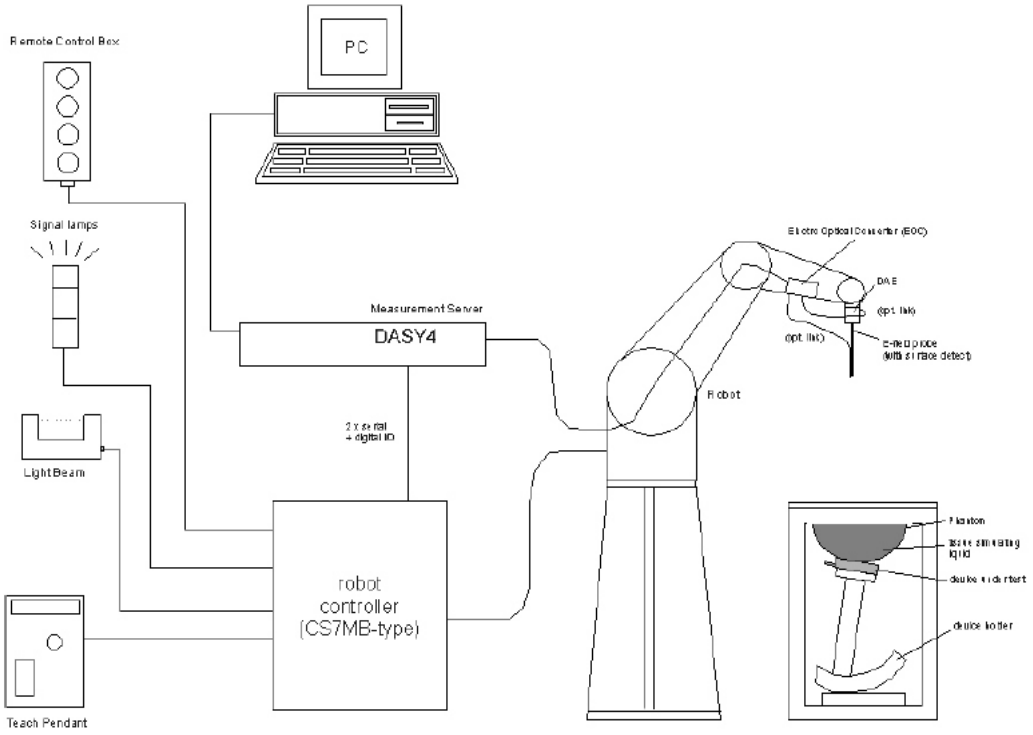
Description of Test System

These measurements were performed with the automated near-field scanning system DASY4 from Schmid & Partner Engineering AG (SPEAG) which is the fourth generation of the system shown in the figure hereinafter:

The system is based on a high precision robot (working range greater than 0.9m), which positions the probes with a positional repeatability of better than ±0.02mm. Special E- and H-field probes have been developed for measurements close to material discontinuity, the sensors of which are directly loaded with a Schottky diode and connected via highly resistive lines to the data acquisition unit.

The SAR measurements were conducted with the dosimetric probe ES3DV3 SN: 3036 (manufactured by SPEAG), designed in the classical triangular configuration and optimized for dosimetric evaluation. The probe has been calibrated according to the procedure with accuracy of better than ±10%. The spherical isotropy was evaluated with the procedure and found to be better than ±0.25dB.

Measurement System Diagram



- A standard high precision 6-axis robot (Stäubli RX family) with controller, teach pendant and software. An arm extension for accommodating the data acquisition electronics (DAE).
- A dosimetric probe, i.e., an isotropic E-field probe optimized and calibrated for usage in tissue simulating liquid. The probe is equipped with an optical surface detector system.
- A data acquisition electronics (DAE) which performs the signal amplification, signal multiplexing, AD-conversion, offset measurements, mechanical surface detection, collision detection, etc. The unit is battery powered with standard or rechargeable batteries. The signal is optically transmitted to the EOC.
- The Electro-optical converter (EOC) performs the conversion between optical and electrical of the signals for the digital communication to the DAE and for the analog signal from the optical surface detection. The EOC is connected to the measurement server.
- The function of the measurement server is to perform the time critical tasks such as signal filtering, control of the robot operation and fast movement interrupts.
- A probe alignment unit which improves the (absolute) accuracy of the probe positioning.
- A computer operating Windows 2000 or Windows XP.
- DASY4 software.
- Remote control with teach pendant and additional circuitry for robot safety such as warning lamps, etc.
- The SAM twin phantom enabling testing left-hand and right-hand usage.
- The device holder for handheld smart phones.
- Tissue simulating liquid mixed according to the given recipes.
- Validation dipole kits allowing system validation.

System Components

- DASY4 Measurement Server
- Data Acquisition Electronics
- Probes
- Light Beam Unit
- Medium
- SAM Twin Phantom
- Device Holder for SAM Twin Phantom
- System Validation Kits
- Robot

DASY4 Measurement Server

The DASY4 measurement server is based on a PC/104 CPU board with a 166MHz low-power Pentium, 32MB chip disk and 64MB RAM. The necessary circuits for communication with either the DAE4 (or DAE3) electronic box as well as the 16-bit AD-converter system for optical detection and digital I/O interface are contained on the DASY4 I/O-board, which is directly connected to the PC/104 bus of the CPU board.

The measurement server performs all real-time data evaluation for field measurements and surface detection, controls robot movements and handles safety operation. The PC-operating system cannot interfere with these time critical processes. All connections are supervised by a watchdog, and disconnection of any of the cables to the measurement server will automatically disarm the robot and disable all program-controlled robot movements. Furthermore, the measurement server is equipped with two expansion slots which are reserved for future applications. Please note that the expansion slots do not have a standardized pin out and therefore only the expansion cards provided by SPEAG can be inserted. Expansion cards from any other supplier could seriously damage the measurement server.

Data Acquisition Electronics

The data acquisition electronics DAE3 consists of a highly sensitive electrometer grade preamplifier with auto-zeroing, a channel and gain-switching multiplexer, a fast 16 bit AD-converter and a command decoder and control logic unit. Transmission to the measurement server is accomplished through an optical downlink for data and status information as well as an optical uplink for commands and the clock.

Probes

The DASY system can support many different probe types.

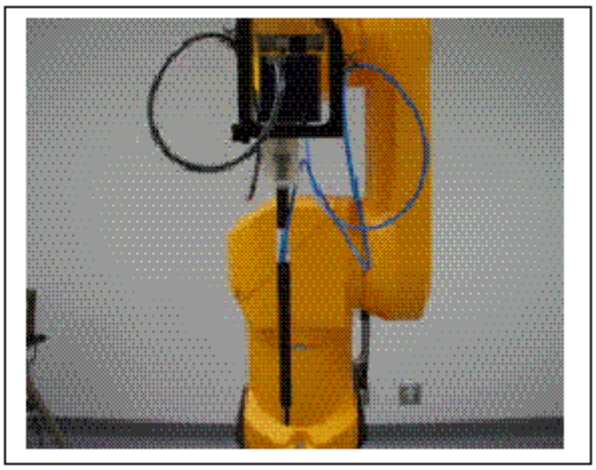
Dosimetric Probes: These probes are specially designed and calibrated for use in liquids with high permittivities. They should not be used in air, since the spherical isotropy in air is poor (±2 dB). The dosimetric probes have special calibrations in various liquids at different frequencies.

Free Space Probes: These are electric and magnetic field probes specially designed for measurements in free space. The z-sensor is aligned to the probe axis and the rotation angle of the x-sensor is specified. This allows the DASY system to automatically align the probe to the measurement grid for field component measurement. The free space probes are generally not calibrated in liquid. (The H-field probes can be used in liquids without any change of parameters.)

Temperature Probes: Small and sensitive temperature probes for general use. They use a completely different parameter set and different evaluation procedures. Temperature rise features allow direct SAR evaluations with these probes.

ES3DV3 Probe Specification

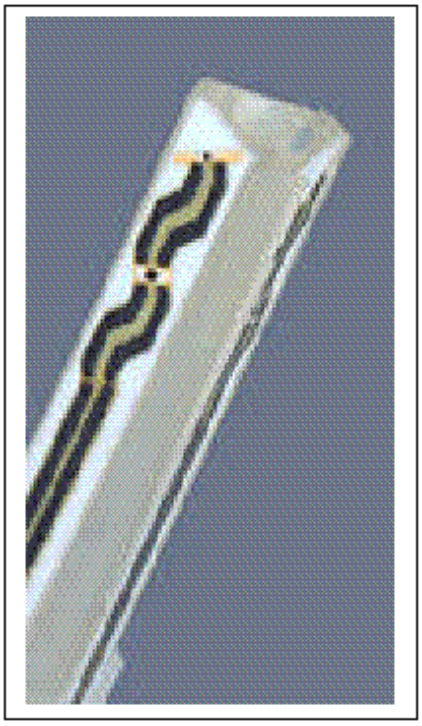
Construction Symmetrical design with triangular core
Built-in optical fiber for surface detection System
Built-in shielding against static charges
Calibration In air from 150 MHz to 3.7 GHz
In brain and muscle simulating tissue at
Frequencies of 450 MHz, 900 MHz and
1.8 GHz (accuracy ± 8%)
Frequency 10 MHz to > 6 GHz; Linearity: ± 0.2 dB
(30 MHz to 3 GHz)
Directivity ± 0.2 dB in brain tissue (rotation around probe axis)
± 0.4 dB in brain tissue (rotation normal probe axis)
Dynamic 5 mW/g to > 100 mW/g;
Range Linearity: ± 0.2 dB
Surface ± 0.2 mm repeatability in air and clear liquids
Detection over diffuse reflecting surfaces.
Dimensions Overall length: 330 mm
Tip length: 16 mm
Body diameter: 12 mm
Tip diameter: 6.8 mm
Distance from probe tip to dipole centers: 2.7 mm
Application General dosimetric up to 3 GHz



Photograph of the probe

EX3DV4 Probe Specification

Construction Symmetrical design with triangular core Built-in optical fiber for surface detection System
Built-in shielding against static charges Calibration In air from 750 MHz to 5.8 GHz In brain and muscle simulating tissue at Frequencies of 750 MHz, 900 MHz, 1750 MHz, 1900 MHz, 2450 MHz, 2600 MHz, 5250 MHz, 5.6 GHz and 5.8 GHz (accuracy ± 8%) Frequency 10 MHz to > 6 GHz; Linearity: ± 0.2 dB
(30 MHz to 3 GHz) Directivity ± 0.2 dB in brain tissue (rotation around probe axis) ± 0.4 dB in brain tissue (rotation normal probe axis) Dynamic 5 mW/g to > 100 mW/g; Range Linearity: ± 0.2 dB Surface ± 0.2 mm repeatability in air and clear liquids Detection over diffuse reflecting surfaces. Dimensions Overall length: 337 mm
Tip length: 20 mm
Body diameter: 12 mm
Tip diameter: 2.5 mm
Distance from probe tip to dipole centers: 1 mm
Application General dosimetric up to 6 GHz



Inside view of E-field Probe

Compliance tests of smart phones Fast automatic scanning in arbitrary phantoms**,** The SAR measurements were conducted with the dosimetric probe designed in the classical triangular configuration and optimized for dosimetric evaluation. The probe is constructed using the thick film technique; with printed resistive lines on ceramic substrates. The probe is equipped with an optical multi-fiber line ending at the front of the probe tip. It is connected to the EOC box on the robot arm and provides an automatic detection of the phantom surface. Half of the fibers are connected to a pulsed infrared transmitter, the other half to a synchronized receiver. As the probe approaches the surface, the reflection from the surface produces a coupling from the transmitting to the receiving fibers. This reflection increases first during the approach, reaches maximum and then decreases. If the probe is flatly touching the surface, the coupling is zero. The distance of the coupling maximum to the surface is independent of the surface reflectivity and largely independent of the surface to probe angle. The DASY3 software reads the reflection during a software approach and looks for the maximum using a 2nd order fitting. The approach is stopped when reaching the maximum.

E-Field Probe Calibration Process

Each probe is calibrated according to a dosimetric assessment procedure described in [6] with accuracy better than +/- 10%. The spherical isotropy was evaluated with the procedure described in [7] and found to be better than +/-0.25dB. The sensitivity parameters (NormX, NormY, NormZ), the diode compression parameter (DCP) and the conversion factor (ConvF) of the probe are tested.

The free space E-field from amplified probe outputs is determined in a test chamber. This is performed in a TEM cell for frequencies bellow 1 GHz, and in a waveguide above 1 GHz for free space. For the free space calibration, the probe is placed in the volumetric center of the cavity and at the proper orientation with the field. The probe is then rotated 360 degrees.

E-field temperature correlation calibration is performed in a flat phantom filled with the appropriate simulated brain tissue. The measured free space E-field in the medium correlates to temperature rise in dielectric medium. For temperature correlation calibration a RF transparent thermistor-based temperature probe is used in conjunction with the E-field probe.

Data Evaluation

The DASY4 post-processing software (SEMCAD) automatically executes the following procedures to calculate the field units from the microvolt readings at the probe connector. The parameters used in the evaluation are stored in the configuration modules of the software:

Probe parameters:	- Sensitivity	Normi, ai0, ai1, ai2
	- Conversion factor	ConvFi
	- Diode compression point	dcpi
Device parameters:	- Frequency	f
	- Crest factor	cf
Media parameters:	- Conductivity	σ
	- Density	ρ

These parameters must be set correctly in the software. They can be found in the component documents or they can be imported into the software from the configuration files issued for the DASY components. In the direct measuring mode of the multimeter option, the parameters of the actual system setup are used. In the scan visualization and export modes, the parameters stored in the corresponding document files are used. The first step of the evaluation is a linearization of the filtered input signal to account for the compression characteristics of the detector diode. The compensation depends on the input signal, the diode type and the DC-transmission factor from the diode to the evaluation electronics. If the exciting field is pulsed, the crest factor of the signal must be known to correctly compensate for peak power. The formula for each channel can be given as:

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

With Vi = compensated signal of channel i (i =x, y, z)
Ui = input signal of channel i (i =x, y, z)
cf = crest factor of exciting field (DASY parameter)
dcp_i = diode compression point (DASY parameter)

From the compensated input signals the primary field data for each channel can be evaluated:

$$\text{E} - \text{fieldprobes}: \qquad E_i = \sqrt{\frac{V_i}{Norm_i \cdot ConvF}}$$

$$\text{H} - \text{fieldprobes}: \qquad H_i = \sqrt{V_i} \cdot \frac{a_{i0} + a_{i1} f + a_{i2} f^2}{f}$$

With Vi = compensated signal of channel i (i =x, y, z)

$Norm_i$ = sensor sensitivity of channel i (i =x, y, z)
$\mu V/ (V/m)^2$ for E-field probes

ConF = sensitivity enhancement in solution

a_{ij} = sensor sensitivity factors for H-field probes

f = carrier frequency [GHz]

Ei = electric field strenggy of channel i in V/m

H_i = diode compression point (DASY parameter)

The RSS value of the field components gives the total field strength (Hermitian magnitude):

$$E_{tot} = \sqrt{E_x^2 + E_y^2 + E_z^2}$$

The primary field data are used to calculate the derived field units.

$$SAR = E_{tot}^2 \cdot \frac{\sigma}{\rho \cdot 1'000}$$

With SAR = local specific absorption rate in mW/g

E_{tot} = total field strength in V/m

σ = conductivity in [mho/meter] or [Siemens/meter]

ρ = equivalent tissue density in g/cm^3

Note that the density is normally set to 1, to account for actual brain density rather than the density of the simulation liquid.

Light Beam Unit

The light beam switch allows automatic “tooling” of the probe. During the process, the actual position of the probe tip with respect to the robot arm is measured, as well as the probe length and the horizontal probe offset. The software then corrects all movements, so that the robot coordinates are valid for the probe tip. The repeatability of this process is better than 0.1 mm. If a position has been taught with an aligned probe, the same position will be reached with another aligned probe within 0.1 mm, even if the other probe has different dimensions. During probe rotations, the probe tip will keep its actual position.

Medium

Parameters

The parameters of the tissue simulating liquid strongly influence the SAR in the liquid. The parameters for the different frequencies are defined in the corresponding compliance standards (e.g., IEC 62209-1:2005, IEC62209-2:2010, IEEE 1528-2013).

IEEE SCC-34/SC-2 P1528 Recommended Tissue Dielectric Parameters

Frequency (MHz)	Head Tissue		Body Tissue	
	εr	Ơ (S/m)	εr	Ơ (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

Parameter measurements

Several measurement systems are available for measuring the dielectric parameters of liquids:

- The open coax test method (e.g., HP85070 dielectric probe kit) is easy to use, but has only moderate acuracy. It is calibrated with open, short, and deionized water and the calibrations a critical process.
- The transmission line method (e.g., model 1500T from DAMASKOS, INC.) measures the transmission and reflection in a liquid filled high precision line. It needs standard two port calibration and is probably more accurate than the open coax method.
- The reflection line method measures the reflection in a liquid filled shorted precision lined.The method is not suitable for these liquids because of its low sensitivity.
- The slotted line method scans the field magnitude and phase along a liquid filled line. The evaluation is straight forward and only needs a simple response calibration. The method is very accurate, but can only be used in high loss liquids and at frequencies above 100 to 200MHz. Cleaning the line can be tedious.

SAM Twin Phantom

The SAM twin phantom is a fiberglass shell phantom with 2mm shell thickness (except the ear region where shell thickness increases to 6mm). It has three measurement areas:

• Left hand
• Right hand
• Flat phantom

The phantom table comes in two sizes: A 100 x 50 x 85 cm (L x W x H) table for use with free standing robots (DASY4 professional system option) or as a second phantom and a 100 x 75 x 85 cm(L x W x H) table with reinforcements for table mounted robots (DASY4 compact system option) . The bottom plate contains three pair of bolts for locking the device holder. The device holder positions are adjusted to the standard measurement positions in the three sections. Only one device holder is necessary if two phantoms are used (e.g., for different liquids) A white cover is provided to tap the phantom during o_-periods to prevent water evaporation and changes in the liquid parameters. Free space scans of devices on the cover are possible. On the phantom top, three reference markers are provided to identify the phantom position with respect to the robot.

The phantom can be used with the following tissue simulating liquids:

- Water-sugar based liquids can be left permanently in the phantom. Always cover the liquid if the system is not used, otherwise the parameters will change due to water evaporation.
- Glycol based liquids should be used with care. As glycol is a softener for most plastics, the liquid should be taken out of the phantom and the phantom should be dried when the system is not used (desirable at least once a week).
- Do not use other organic solvents without previously testing the phantom's compatibility.

Device Holder for SAM Twin Phantom

The SAR in the phantom is approximately inversely proportional to the square of the distance between the source and the liquid surface. For a source in 5mm distance, a positioning uncertainty of ±0.5mm would produce a SAR uncertainty of ±20%. An accurate device positioning is therefore crucial for accurate and repeatable measurements. The positions, in which the devices must be measured, are defined by the standards.

The DASY device holder is designed to cope with different positions given in the standard. It has two scales for the device rotation (with respect to the body axis) and the device inclination (with respect to the line between the ear reference points). The rotation centers for both scales is the ear reference point ERP). Thus the device needs no repositioning when changing the angles.

The DASY device holder has been made out of low-loss POM material having the following dielectric parameters: relative permittivity "=3 and loss tangent _=0.02. The amount of dielectric material has been reduced in the closest vicinity of the device, since measurements have suggested that the influence of the clamp on the test results could thus be lowered.

System Validation Kits

Each DASY system is equipped with one or more system validation kits. These units, together with the predefined measurement procedures within the DASY software, enable the user to conduct the system performance check and system validation. For that purpose a well-defined SAR distribution in the flat section of the SAM twin phantom is produced.
System validation kit includes a dipole, tripod holder to fix it underneath the flat phantom and a corresponding distance holder. Dipoles are available for the variety of frequencies between 300MHz and 6 GHz (dipoles for other frequencies or media and other calibration conditions are available upon request).
The dipoles are highly symmetric and matched at the center frequency for the specified liquid and distance to the flat phantom (or flat section of the SAM-twin phantom). The accurate distance between the liquid surface and the dipole center is achieved with a distance holder that snaps on the dipole.

Robot

The DASY4 system uses the high precision industrial robots RX60L, RX90 and RX90L, as well as the RX60BL and RX90BL types out of the newer series from Stäubli SA (France). The RX robot series offers many features that are important for our application:

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

For the newly delivered DASY4 systems as well as for the older DASY3 systems delivered since 1999, the CS7MB robot controller version from Stäubli is used. Previously delivered systems have either a CS7 or CS7M controller; the differences to the CS7MB are mainly in the hardware, but some procedures in the robot software from Stäubli are also not completely the same. The following descriptions about robot hard- and software correspond to CS7MB controller with software version 13.1 (edit S5). The actual commands, procedures and configurations, also including details in hardware, might differ if an older robot controller is in use. In this case please also refer to the Stäubli manuals for further information.

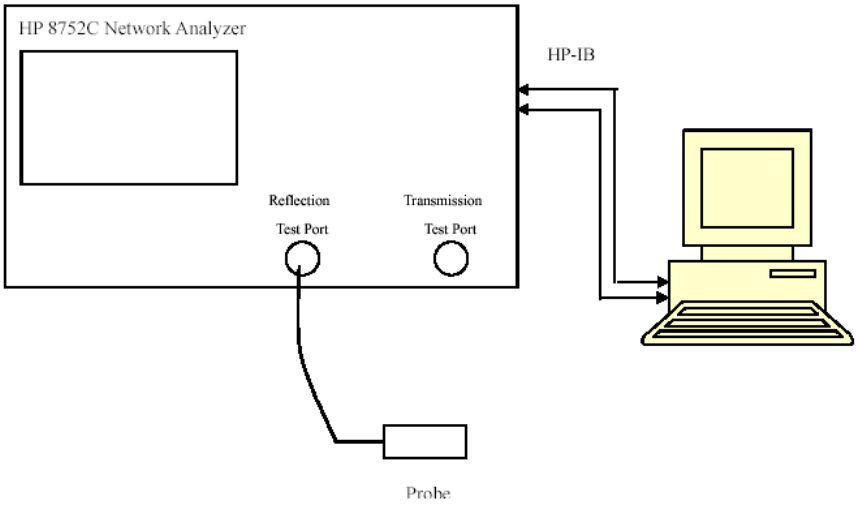
EQUIPMENT LIST AND CALIBRATION

Equipments List & Calibration Information

Equipment	Model	Calibration Date	Calibration Due Date	S/N
Robot	RX60BL	N/A	N/A	F02/5S01A1/A/01
Robot Controller	CS7MBs&p RX60BL	N/A	N/A	F02/5S01A1/C/01
DASY4 Test Software	DASY4, V4.5 Build 19	N/A	N/A	N/A
Data Acquistion Electronics	DAE3	2016-09-16	2017-09-16	456
E-Field Probe	ES3DV3	2016-09-12	2017-09-12	3036
E-Field Probe	EX3DV4	2016-10-04	2017-10-03	7431
Dipole, 835MHz	ALS-D-835-S-2	2014-10-08	2017-10-08	180-00558
Dipole, 1750MHz	ALS-D-1750-S-2	2016-10-04	2019-10-04	198-00304
Dipole,1900MHz	ALS-D-1900-S-2	2014-10-09	2017-10-09	210-00710
Dipole, 2600 MHz	D2600V2	2013/12/09	2016/12/08	1073
Dipole Spacer	ALS-DS-U	N/A	N/A	250-00907
Device holder/Positioner	MD4HHTV5	N/A	N/A	SD 000 H01 KA
SPEAG SAM Twin Phantom	Twin SAM	N/A	N/A	Tp-1218
Simulated Tissue 835 MHz Head	ALS-TS-835-H	Each Time	/	270-01002
Simulated Tissue 835 MHz Body	ALS-TS-835-B	Each Time	/	270-02101
Simulated Tissue 1750 MHz Head	ALS-TS-1750-H	Each Time	/	295-01103
Simulated Tissue 1750 MHz Body	ALS-TS-1750-B	Each Time	/	295-02102
Simulated Tissue 1900 MHz Head	ALS-TS-1900-H	Each Time	/	295-01103
Simulated Tissue 1900 MHz Body	ALS-TS-1900-B	Each Time	/	295-02102
Simulated Tissue 2600 MHz Head	ALS-TS-2600-H	Each Time	/	292-01110
Simulated Tissue 2600 MHz Body	ALS-TS-2600-B	Each Time	/	292-01111
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
UNIVERSAL RADIO COMMUNICATION TESTER	CMU200	2015-11-23	2016-11-23	106891
WIDEBAND RADIO COMMUNICATION TESTER	CMW500	2016-04-19	2017-04-19	114772
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	40.59	0.90	41.5	0.90	-2.193	0.000	±5
	Body	53.34	0.95	55.2	0.97	-3.370	-2.062	±5
826.4	Head	40.39	0.91	41.5	0.90	-2.675	1.111	±5
	Body	53.36	1.00	55.2	0.97	-3.333	3.093	±5
829.0	Head	41.09	0.89	41.5	0.90	-0.988	-1.111	±5
	Body	54.21	0.98	55.2	0.97	-1.793	1.031	±5
836.5	Head	39.95	0.90	41.5	0.90	-3.735	0.000	±5
	Body	53.23	0.99	55.2	0.97	-3.569	2.062	±5
836.6	Head	39.95	0.90	41.5	0.90	-3.735	0.000	±5
	Body	53.23	0.99	55.2	0.97	-3.569	2.062	±5
844.0	Head	39.90	0.90	41.5	0.90	-3.855	0.000	±5
	Body	53.03	1.00	55.2	0.97	-3.931	3.093	±5
846.6	Head	40.06	0.91	41.5	0.90	-3.470	1.111	±5
	Body	53.53	1.00	55.2	0.97	-3.025	3.093	±5
848.8	Head	40.12	0.92	41.5	0.90	-3.325	2.222	±5
	Body	54.16	0.98	55.2	0.97	-1.884	1.031	±5

**Liquid Verification was performed on 2016-10-18 and 2016-10-19.*

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)	
1720.0	Head	40.25	1.36	40.08	1.37	0.424	-0.730	±5
	Body	52.75	1.49	53.43	1.49	-1.273	0.000	±5
1732.5	Head	40.06	1.38	40.08	1.37	-0.050	0.730	±5
	Body	53.44	1.52	53.43	1.49	0.019	2.013	±5
1745.0	Head	39.76	1.39	40.08	1.37	-0.798	1.460	±5
	Body	53.27	1.54	53.43	1.49	-0.299	3.356	±5

**Liquid Verification was performed on 2016-10-18 and 2016-10-19.*

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)	
1850.2	Head	39.17	1.39	40.0	1.40	-2.075	-0.714	±5
	Body	51.38	1.51	53.3	1.52	-3.602	-0.658	±5
1880.0	Head	38.77	1.35	40.0	1.40	-3.075	-3.571	±5
	Body	51.48	1.52	53.3	1.52	-3.415	0.000	±5
1900.0	Head	40.15	1.37	40.0	1.40	0.375	-2.143	±5
	Body	52.00	1.51	53.3	1.52	-2.439	-0.658	±5
1909.8	Head	38.92	1.38	40.0	1.40	-2.700	-1.429	±5
	Body	51.56	1.50	53.3	1.52	-3.265	-1.316	±5

**Liquid Verification was performed on 2016-10-18 and 2016-10-19.*

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)	
1852.4	Head	38.63	1.41	40.0	1.40	-3.425	0.714	±5
	Body	52.36	1.51	53.3	1.52	-1.764	-0.658	±5
1860.0	Head	38.95	1.44	40.0	1.40	-2.625	2.857	±5
	Body	52.61	1.50	53.3	1.52	-1.295	-1.316	±5
1880.0	Head	38.77	1.35	40.0	1.40	-3.075	-3.571	±5
	Body	51.48	1.52	53.3	1.52	-3.415	0.000	±5
1900.0	Head	38.57	1.36	40.0	1.40	-3.575	-2.857	±5
	Body	51.29	1.52	53.3	1.52	-3.771	0.000	±5
1907.6	Head	38.62	1.37	40.0	1.40	-3.450	-2.143	±5
	Body	51.19	1.52	53.3	1.52	-3.959	0.000	±5

**Liquid Verification was performed on 2016-10-20.*

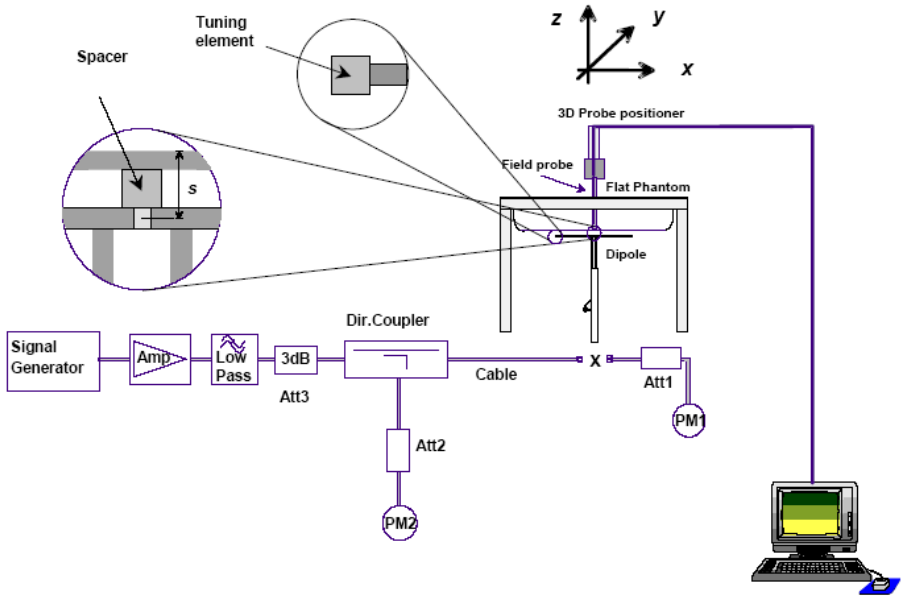
Frequency	Liquid Type	Liquid Parameter		Target Value		Delta (%)		Tolerance (%)
		ε_r	σ (S/m)	ε_r	σ (S/m)	$\Delta\varepsilon_r$	$\Delta\sigma$ (S/m)	
2510	Head	39.72	1.85	39.12	1.87	1.534	-1.070	±5
	Body	53.93	2.02	52.62	2.04	2.490	-0.980	±5
2535	Head	39.71	1.86	39.09	1.89	1.586	-1.587	±5
	Body	53.86	2.04	52.59	2.07	2.415	-1.449	±5
2560	Head	39.89	1.89	39.06	1.92	2.125	-1.563	±5
	Body	53.88	2.05	52.56	2.11	2.511	-2.844	±5

**Liquid Verification was performed on 2016-11-08.*

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 (%)
2016-10-18	835	Head	1g	9.49	9.773	-2.896	±10
	1750	Head	1g	35.1	36.85	-4.749	±10
	1900	Head	1g	39.1	39.481	-0.965	±10
2016-10-19	835	Body	1g	9.62	9.736	-1.191	±10
	1750	Body	1g	35.8	35.78	0.056	±10
	1900	Body	1g	38.5	39.715	-3.059	±10
2016-10-20	1900	Head	1g	40.7	39.481	3.088	±10
		Body	1g	39.6	39.715	-0.290	±10
2016-11-08	2600	Head	1g	56.2	57.4	-2.091	±10
		Body	1g	55.1	55.4	-0.542	±10

Note:
The power inputted to dipole is 0.1Watt; the SAR values are normalized to 1 Watt forward power by multiplying 10 times.

SAR SYSTEM VALIDATION DATA

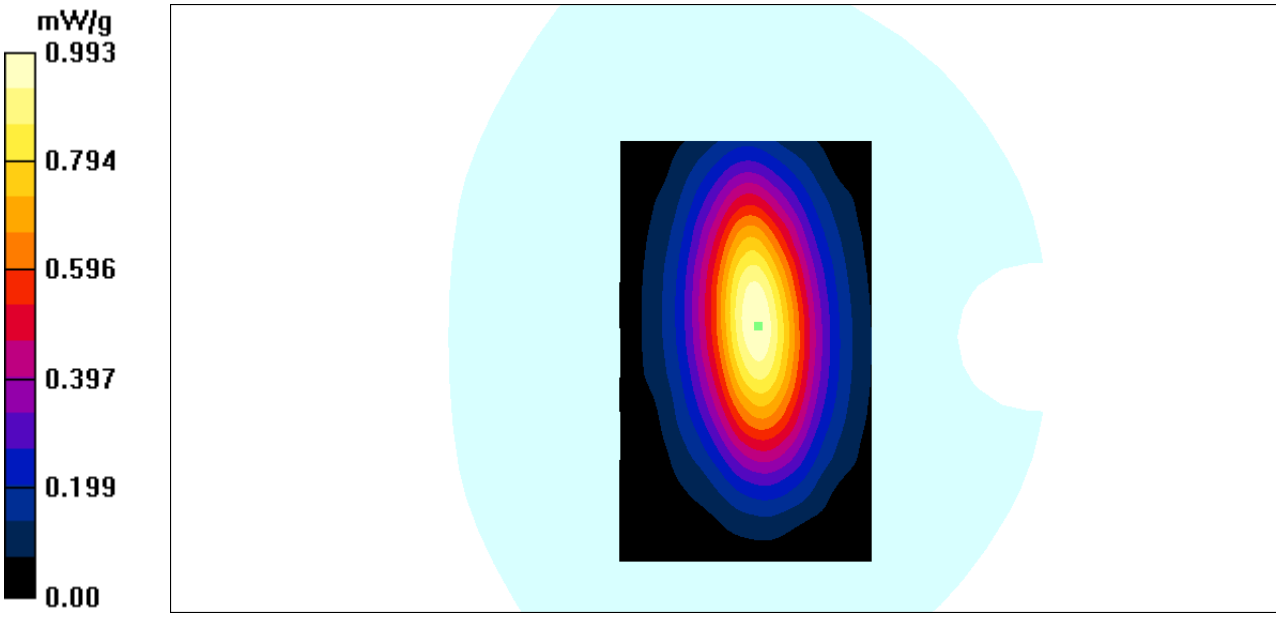
Test Laboratory: Bay Area Compliance Labs Corp.(Shenzhen)
DUT: Dipole 835 MHz; Type: ALS-D-835-S-2; S/N: 180-00558
Program Name: 835 MHz Head

Communication System: CW; Frequency: 835 MHz;Duty Cycle: 1:1
Medium parameters used: f = 835 MHz; σ = 0.90 S/m; ε_r = 39.76; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
- Probe: ES3DV3 - SN3036; ConvF(6.26, 6.26, 6.26); Calibrated: 16/9/2016
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: Dummy DAE – SN456; Calibrated: 12/9/2016
- Phantom: TWIN SAM; Type: QD000P40CA; Serial: TP-1218
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

835 Head system check /Area Scan (91x151x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.993 mW/g

835 Head system check /Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 32.5 V/m; Power Drift = 0.033 dB
Peak SAR (extrapolated) = 1.37 W/kg
SAR(1 g) = 0.949 mW/g; SAR(10 g) = 0.612 mW/g
Maximum value of SAR (measured) = 0.986 mW/g



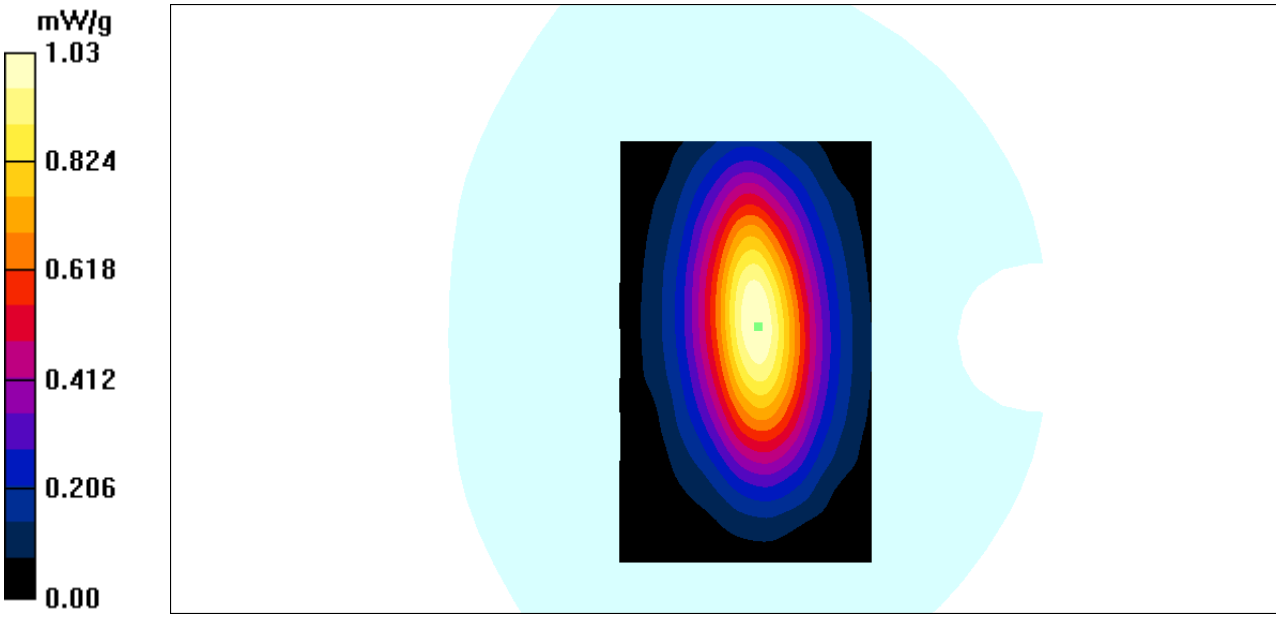
Test Laboratory: Bay Area Compliance Labs Corp.(Shenzhen)
DUT: Dipole 835 MHz; Type: ALS-D-835-S-2; S/N: 180-00558
Program Name: 835 MHz Body

Communication System: CW; Frequency: 835 MHz;Duty Cycle: 1:1
Medium parameters used: f = 835 MHz; σ = 0.99 S/m; ε_r = 53.46; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
- Probe: ES3DV3 - SN3036; ConvF(6.20, 6.20, 6.20); Calibrated: 16/9/2016
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: Dummy DAE – SN456; Calibrated: 12/9/2016
- Phantom: TWIN SAM; Type: QD000P40CA; Serial: TP-1218
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

835 Body system check /Area Scan (91x151x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 1.03 mW/g

835 Body system check /Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 33.7 V/m; Power Drift = 0.034 dB
Peak SAR (extrapolated) = 1.317 W/kg
SAR(1 g) = 0.962 mW/g; SAR(10 g) = 0.614 mW/g
Maximum value of SAR (measured) = 1.01 mW/g



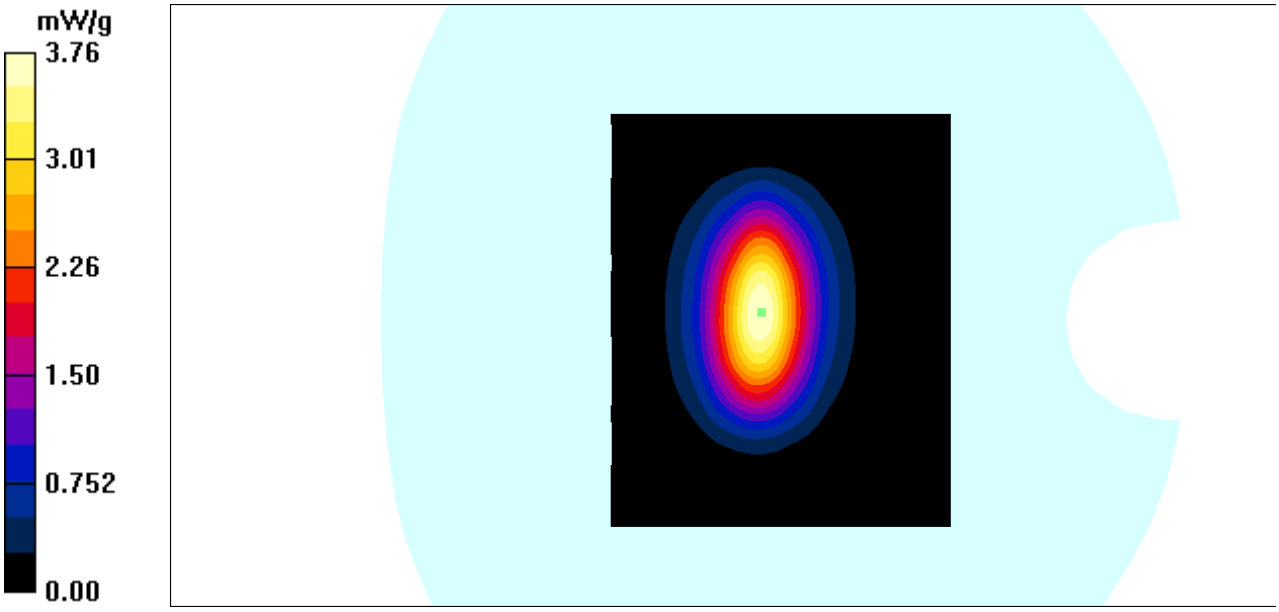
Test Laboratory: Bay Area Compliance Labs Corp.(Shenzhen)
DUT: Dipole 1750 MHz; Type: ALS-D-1750-S-2; S/N: 198-00304
Program Name: 1750MHz Head

Communication System: CW; Frequency: 1750 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1750 MHz; σ = 1.39 S/m; ε_r = 39.61; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
- Probe: ES3DV3 - SN3036; ConvF(5.1, 5.1, 5.1); Calibrated: 16/9/2016
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: Dummy DAE – SN456; Calibrated: 12/9/2016
- Phantom: TWIN SAM; Type: QD000P40CA; Serial: TP-1218
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

1750 head system check/Area Scan (91x121x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 3.76 mW/g

1750 head system check/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 46.7 V/m; Power Drift = -0.102 dB
Peak SAR (extrapolated) = 5.94 W/kg
SAR(1 g) = 3.51 mW/g; SAR(10 g) = 1.81 mW/g
Maximum value of SAR (measured) = 3.83 mW/g



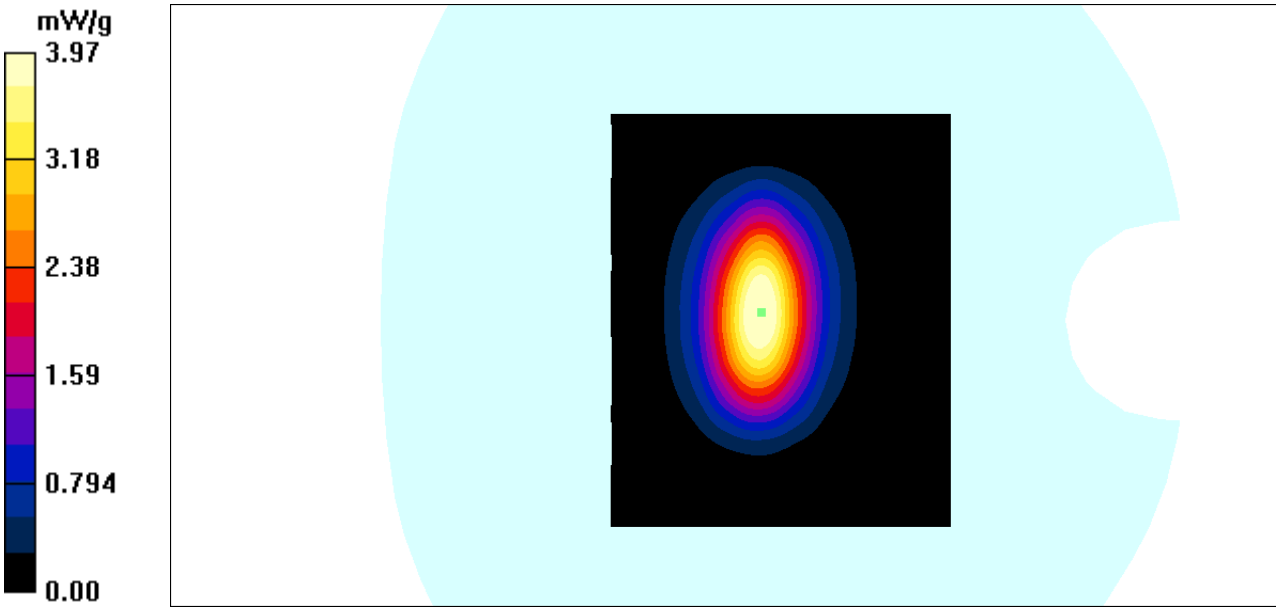
Test Laboratory: Bay Area Compliance Labs Corp.(Shenzhen)
DUT: Dipole 1750 MHz; Type: ALS-D-1750-S-2; S/N: 198-00304
Program Name: 1750MHz Body

Communication System: CW; Frequency: 1750 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1750 MHz; σ = 1.53 S/m; ε_r = 53.36; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
- Probe: ES3DV3 - SN3036; ConvF(4.75, 4.75, 4.75); Calibrated: 16/9/2016
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: Dummy DAE – SN456; Calibrated: 12/9/2016
- Phantom: TWIN SAM; Type: QD000P40CA; Serial: TP-1218
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

1750 Body system check/Area Scan (91x101x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 3.97 mW/g

1750 Body system check/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 49.1 V/m; Power Drift = -0.055 dB
Peak SAR (extrapolated) = 6.03 W/kg
SAR(1 g) = 3.58 mW/g; SAR(10 g) = 1.86 mW/g
Maximum value of SAR (measured) = 3.92 mW/g



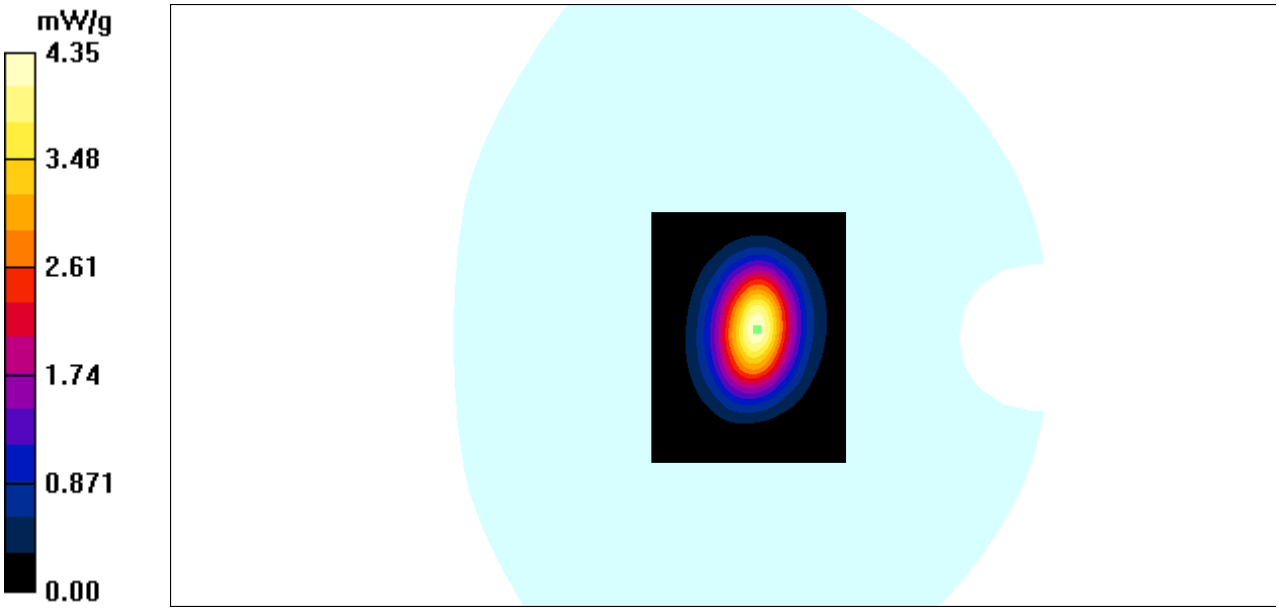
Test Laboratory: Bay Area Compliance Labs Corp.(Shenzhen)
DUT: Dipole 1900 MHz; Type: ALS-D-1900-S-2; S/N: 210-00710
Program Name: 1900MHz Head

Communication System: CW; Frequency: 1900 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1900 MHz; σ = 1.37 S/m; ε_r = 40.15; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
- Probe: ES3DV3 - SN3036; ConvF(5.12, 5.12, 5.12); Calibrated: 16/9/2016
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: Dummy DAE – SN456; Calibrated: 12/9/2016
- Phantom: TWIN SAM; Type: QD000P40CA; Serial: TP-1218
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

1900 head system check/Area Scan (71x91x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 4.35 mW/g

1900 head system check/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 52.3 V/m; Power Drift = 0.075 dB
Peak SAR (extrapolated) = 7.91 W/kg
SAR(1 g) = 3.91 mW/g; SAR(10 g) = 1.98 mW/g
Maximum value of SAR (measured) = 4.29 mW/g



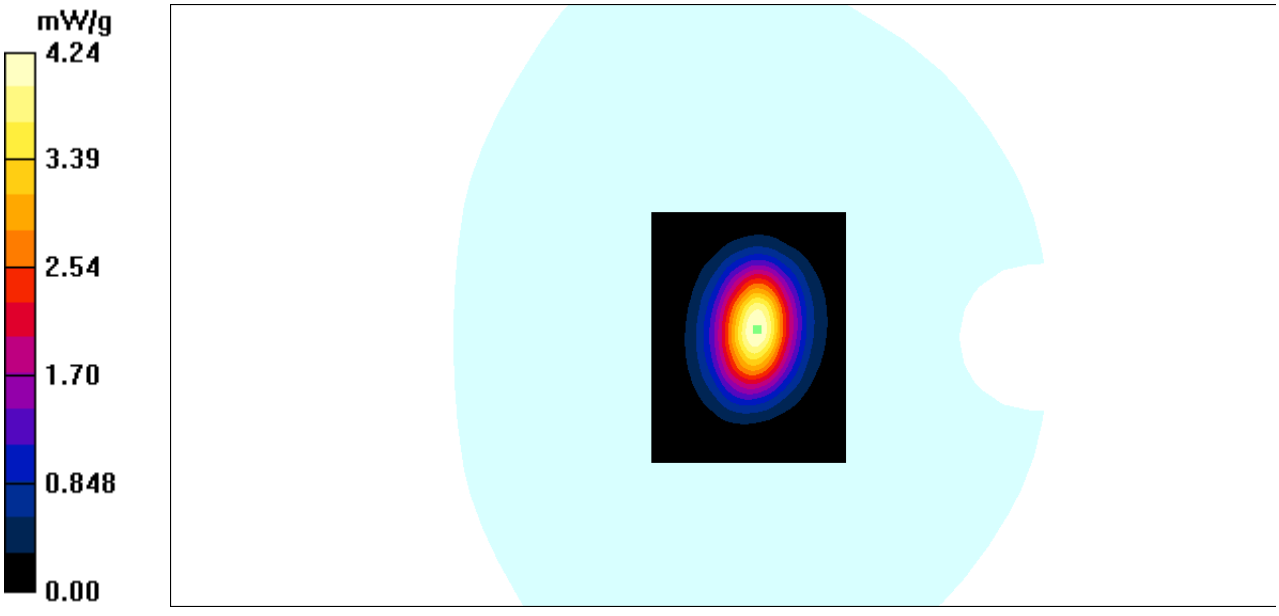
Test Laboratory: Bay Area Compliance Labs Corp.(Shenzhen)
DUT: Dipole 1900 MHz; Type: ALS-D-1900-S-2; S/N: 210-00710
Program Name: 1900MHz Body

Communication System: CW; Frequency: 1900 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1900 MHz; σ = 1.51 S/m; ε_r = 52.00; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
- Probe: ES3DV3 - SN3036; ConvF(4.79, 4.79, 4.79); Calibrated: 16/9/2016
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: Dummy DAE – SN456; Calibrated: 12/9/2016
- Phantom: TWIN SAM; Type: QD000P40CA; Serial: TP-1218
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

1900 Body system check/Area Scan (71x91x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 4.24 mW/g

1900 Body system check/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 50.4 V/m; Power Drift = -0.037 dB
Peak SAR (extrapolated) = 7.95 W/kg
SAR(1 g) = 3.85 mW/g; SAR(10 g) = 1.97 mW/g
Maximum value of SAR (measured) = 4.19 mW/g



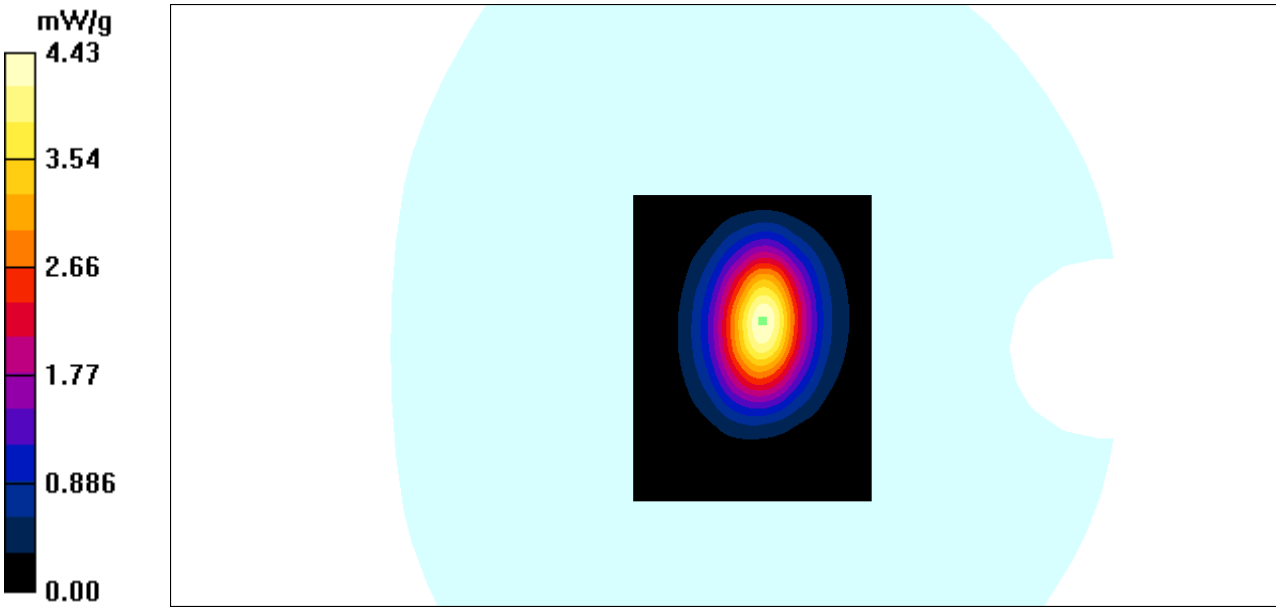
Test Laboratory: Bay Area Compliance Labs Corp.(Shenzhen)
DUT: Dipole 1900 MHz; Type: ALS-D-1900-S-2; S/N: 210-00710
Program Name: 1900MHz Head

Communication System: CW; Frequency: 1900 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1900 MHz; σ = 1.36 S/m; ε_r = 38.57; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
- Probe: ES3DV3 - SN3036; ConvF(5.12, 5.12, 5.12); Calibrated: 16/9/2016
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: Dummy DAE – SN456; Calibrated: 12/9/2016
- Phantom: TWIN SAM; Type: QD000P40CA; Serial: TP-1218
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

1900 head system check/Area Scan (71x91x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 4.69 mW/g

1900 head system check/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 56.9 V/m; Power Drift = 0.047 dB
Peak SAR (extrapolated) = 8.15 W/kg
SAR(1 g) = 4.07 mW/g; SAR(10 g) = 2.05 mW/g
Maximum value of SAR (measured) = 4.43 mW/g



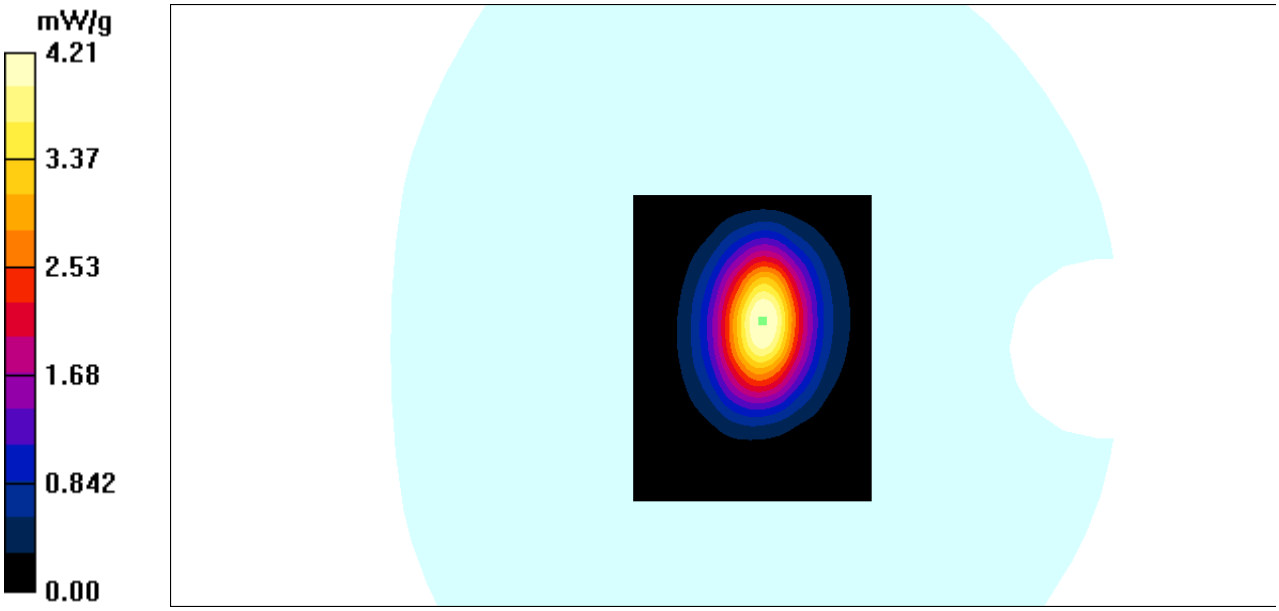
Test Laboratory: Bay Area Compliance Labs Corp.(Shenzhen)
DUT: Dipole 1900 MHz; Type: ALS-D-1900-S-2; S/N: 210-00710
Program Name: 1900MHz Body

Communication System: CW; Frequency: 1900 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1900 MHz; σ = 1.52 S/m; ε_r = 51.29; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
- Probe: ES3DV3 - SN3036; ConvF (4.79, 4.79, 4.79); Calibrated: 16/9/2016
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: Dummy DAE – SN456; Calibrated: 12/9/2016
- Phantom: TWIN SAM; Type: QD000P40CA; Serial: TP-1218
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

1900 Body system check/Area Scan (71x91x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 4.39 mW/g

1900 Body system check/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 52.7 V/m; Power Drift = -0.104 dB
Peak SAR (extrapolated) = 8.21 W/kg
SAR(1 g) = 3.96 mW/g; SAR(10 g) = 2.01 mW/g
Maximum value of SAR (measured) = 4.21 mW/g



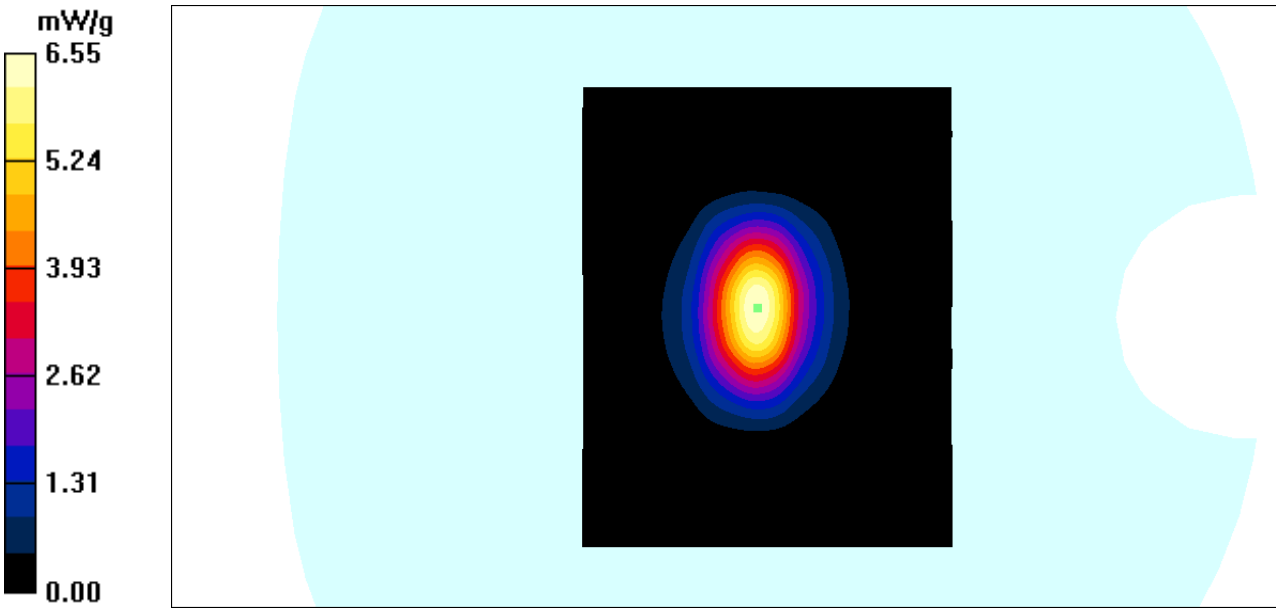
Test Laboratory: Bay Area Compliance Labs Corp.(Shenzhen)
DUT: Dipole 2600 MHz; Type: D2600V2; S/N: 1073
Program Name: 2600MHz Head

Communication System: CW; Frequency: 2600 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2600 MHz; σ = 1.82 S/m; ε_r = 40.16; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
- Probe: EX3DV4 - SN7431; ConvF(7.44, 7.44, 7.44); Calibrated: 04/10/2016
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: Dummy DAE – SN456; Calibrated: 12/9/2016
- Phantom: TWIN SAM; Type: QD000P40CA; Serial: TP-1218
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

2600 head system check/Area Scan (81x101x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 6.55 mW/g

2600 head system check/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 57.4 V/m; Power Drift = 0.072 dB
Peak SAR (extrapolated) = 11.7 W/kg
SAR(1 g) = 5.62 mW/g; SAR(10 g) = 2.61 mW/g
Maximum value of SAR (measured) = 6.52 mW/g



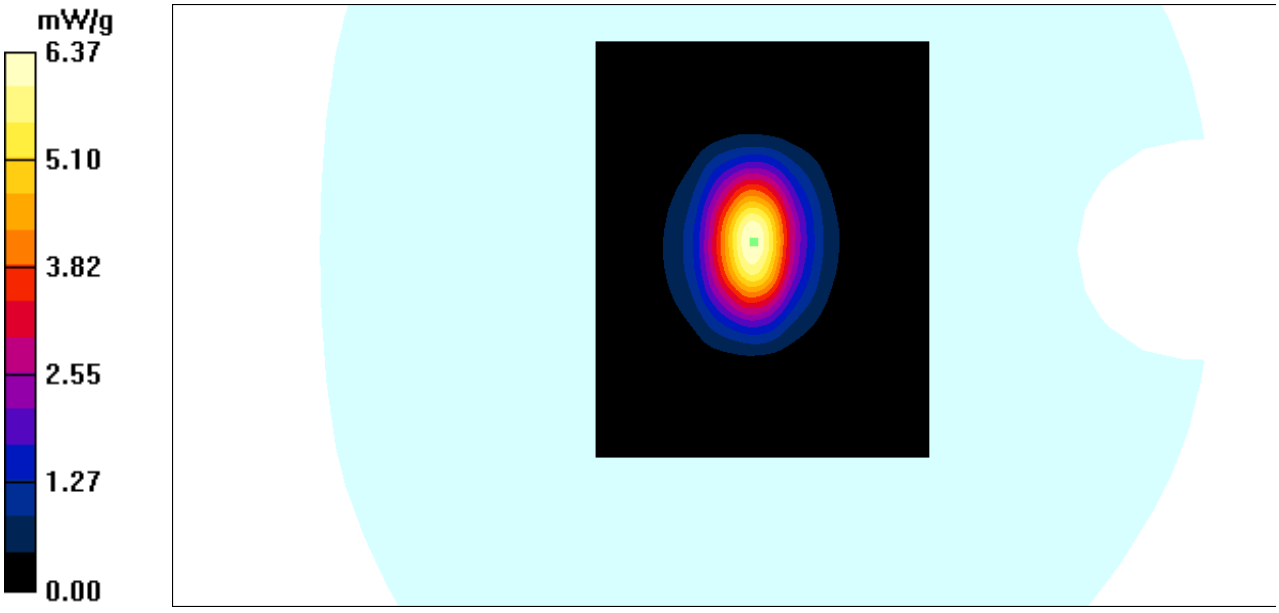
Test Laboratory: Bay Area Compliance Labs Corp.(Shenzhen)
DUT: Dipole 2600 MHz; Type: D2600V2; S/N: 1073
Program Name: 2600MHz Body

Communication System: CW; Frequency: 2600 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2600 MHz; σ = 1.98 S/m; ε_r = 54.22; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
- Probe: EX3DV4 - SN7431; ConvF(7.47, 7.47, 7.47); Calibrated: 04/10/2016
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: Dummy DAE – SN456; Calibrated: 12/9/2016
- Phantom: TWIN SAM; Type: QD000P40CA; Serial: TP-1218
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

2600 Body system check/Area Scan (81x101x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 6.37 mW/g

2600 Body system check/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 56.9 V/m; Power Drift = -0.154 dB
Peak SAR (extrapolated) = 11.1 W/kg
SAR(1 g) = 5.51 mW/g; SAR(10 g) = 2.57 mW/g
Maximum value of SAR (measured) = 6.23 mW/g

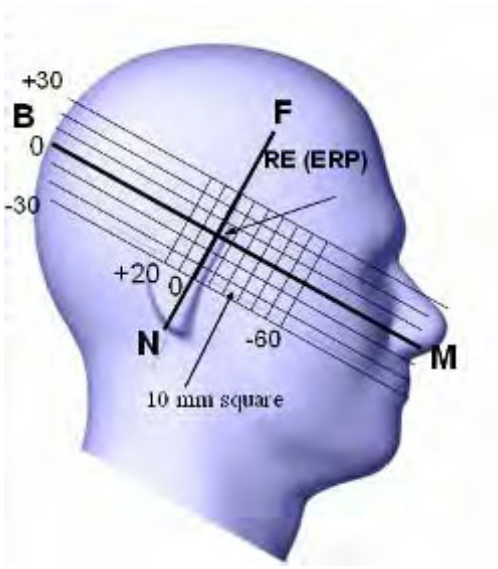


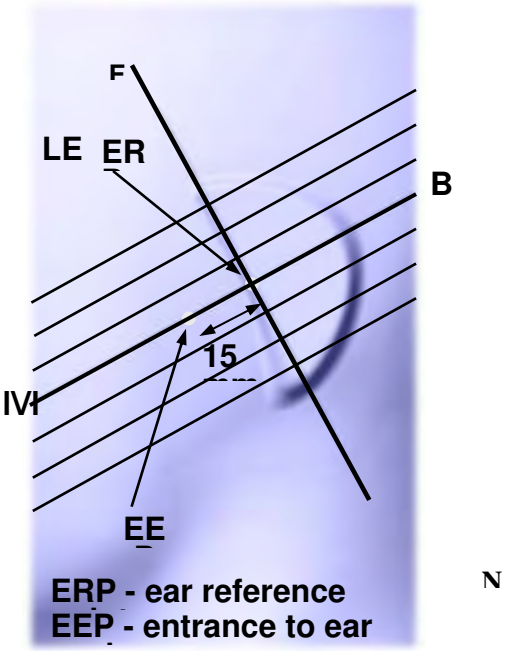
EUT TEST STRATEGY AND METHODOLOGY

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

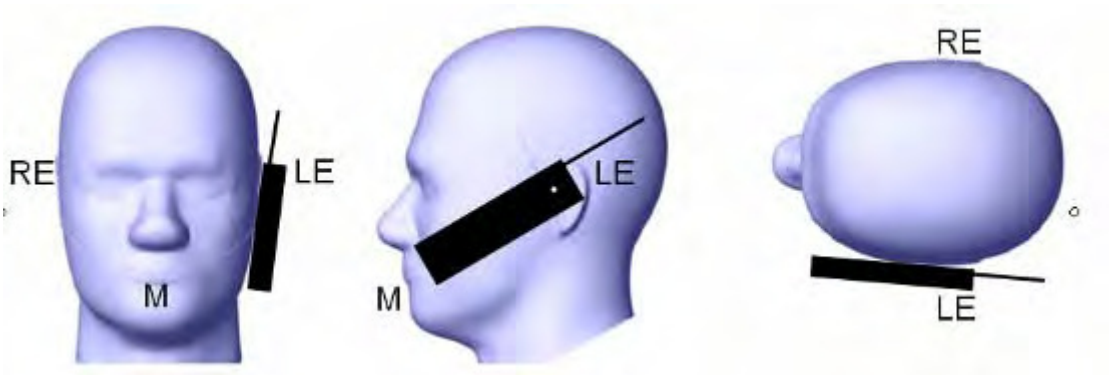
The device is brought toward the mouth of the head phantom by pivoting against the "ear reference point" or along the "N-F" line for the SCC-34/SC-2 head phantom.

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

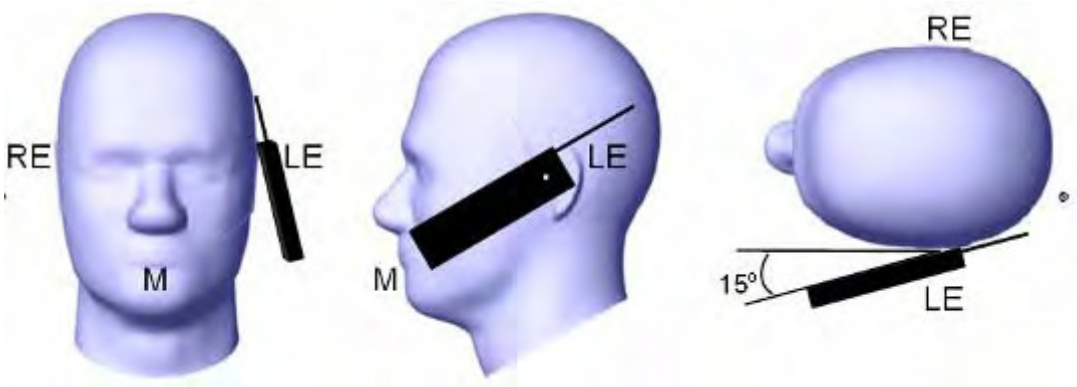
With the handset aligned in the "Cheek/Touch Position":

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, Tile/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.

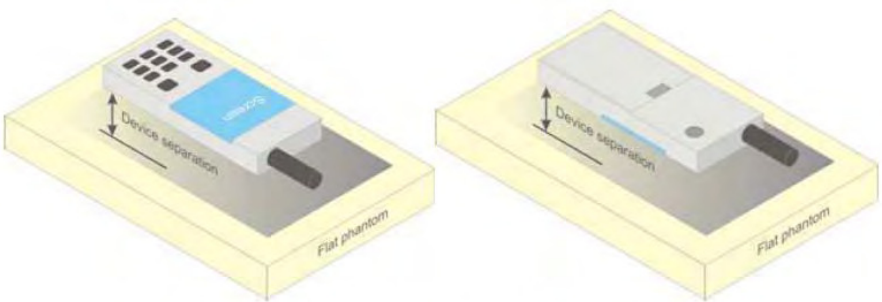


Figure 5 – Test positions for body-worn devices

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

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

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

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

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

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 v02r03
KDB 941225 D06 Hotspot Mode v02r01

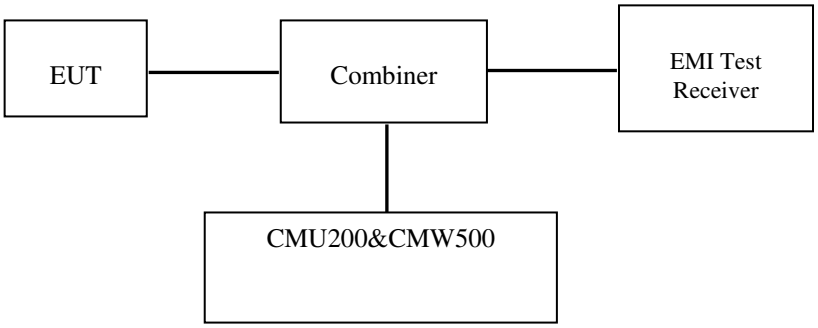
CONDUCTED OUTPUT POWER MEASUREMENT

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&3G&LTE

Radio Configuration

The power measurement was configured by the Wireless Communication Test Set CMU200 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.

EGPRS

Function: Menu select > GSM Mobile Station > GSM 850/1900
Press Connection control to choose the different menus
Press RESET > choose all the reset all settings
Connection:Press Signal Off to turn off the signal and change settings
Network Support > GSM + EGPRS
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
> 27 dBm for EGPRS 850
> 25 dBm for EGPRS 1900
BS Signal: Enter the same channel number for TCH channel (test channel) and BCCH channel
Frequency Offset >+ 0 Hz
Mode >BCCH and TCH
BCCH Level >-85 dBm (May need to adjust if link is not stabe)
BCCH Channel > choose desire test channel [Enter the same channel number for TCH channel (test channel) and BCCH channel]

Channel Type > Off
P0 > 4 dB
Slot Config > Unchanged (if already set under MS signal)
TCH > choose desired test channel
Hopping >Off
Main Timeslot >3
Network:Coding Scheme >MCS5 (EGPRS)
Bit Stream >2E9-1 PSR Bit Stream
AF/RF: Enter appropriate offsets for Ext. Att. Output and Ext. Att. Input
Connection: Press Signal on to turn on the signal and change settings

WCDMA Release 99

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

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

HSDPA

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

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

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.

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	

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	-	-	-	-	-

Wi-Fi

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

Channel	Frequency (MHz)	Channel	Frequency (MHz)
1	2412	8	2447
2	2417	9	2452
3	2422	10	2457
4	2427	11	2462
5	2432	12	2467
6	2437	13	2472
7	2442	/	/

For 802.11b, 802.11g, 802.11n-HT20 mode, EUT was tested with Channel 1, 7 and 13.

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

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

EUT was tested with Channel 1, 5 and 9.

Maximum Output Power among production units

Max Target Power for Production Unit (dBm)				
Mode/Band		Channel		
		Low	Middle	High
GSM 850		33.00	33.00	33.00
GPRS850 1 slot		33.20	33.20	33.20
GPRS850 2 slots		32.40	32.40	32.40
GPRS850 3 slots		30.50	30.50	30.50
GPRS850 4 slots		29.50	29.50	29.50
EGPRS850 1 slot		27.20	27.20	27.20
EGPRS850 2 slots		25.80	25.80	25.80
EGPRS850 3 slots		23.90	23.90	23.90
EGPRS850 4 slots		22.70	22.70	22.70
PCS 1900		30.50	30.50	30.50
GPRS1900 1 slot		30.30	30.30	30.30
GPRS1900 2 slots		29.50	29.50	29.50
GPRS1900 3 slots		27.90	27.90	27.90
GPRS1900 4 slots		26.70	26.70	26.70
EGPRS1900 1 slot		26.00	26.00	26.00
EGPRS1900 2 slots		24.90	24.90	24.90
EGPRS1900 3 slots		22.70	22.70	22.70
EGPRS1900 4 slots		21.50	21.50	21.50
WCDMA850	RMC	22.20	22.20	22.20
	HSDPA	21.00	21.00	21.00
	HSUPA	20.80	20.80	20.80
WCDMA1900	RMC	21.40	21.40	21.40
	HSDPA	20.90	20.90	20.90
	HSUPA	20.80	20.80	20.80
LTE Band 2		22.60	22.60	22.60
LTE Band 4		21.80	21.80	21.80
LTE Band 5		22.20	22.20	22.20
LTE Band 7		22.20	22.20	22.20
Wi-Fi		9.80	9.80	9.80
Bluetooth		0.00	0.00	0.00

Test Results:

GSM:

Band	Frequency (MHz)	Conducted Output Power (dBm)
GSM 850	824.2	**32.91**
	836.6	32.84
	848.8	32.90
PCS 1900	1850.2	30.31
	1880.0	30.19
	1909.8	**30.40**

GPRS:

Band	Channel No.	Frequency (MHz)	RF Output Power (dBm)			
			1 slot	2 slots	3 slots	4 slots
GSM 850	128	824.2	33.13	32.28	30.22	29.15
	190	836.6	33.16	32.16	30.40	29.14
	251	848.8	32.87	32.32	30.12	29.41
PCS 1900	512	1850.2	30.16	29.35	27.64	26.47
	661	1880	30.18	29.49	27.54	26.59
	810	1909.8	30.24	29.44	27.67	26.52

EGPRS:

Band	Channel No.	Frequency (MHz)	RF Output Power (dBm)			
			1 slot	2 slots	3 slots	4 slots
GSM 850	128	824.2	27.10	25.67	23.82	22.66
	190	836.6	26.84	25.76	23.42	22.55
	251	848.8	26.86	25.39	23.30	22.57
PCS 1900	512	1850.2	25.63	24.73	22.54	21.46
	661	1880	25.73	24.32	22.27	21.34
	810	1909.8	25.91	24.89	22.61	21.29

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	24.13	26.28	25.97	26.15
	190	836.6	24.16	26.16	26.15	26.14
	251	848.8	23.87	26.32	25.87	**26.41**
PCS 1900	512	1850.2	21.16	23.35	23.39	23.47
	661	1880	21.18	23.49	23.29	**23.59**
	810	1909.8	21.24	23.44	23.42	23.52

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	18.10	19.67	19.57	19.66
	190	836.6	17.84	**19.76**	19.17	19.55
	251	848.8	17.86	19.39	19.05	19.57
PCS 1900	512	1850.2	16.63	18.73	18.29	18.46
	661	1880	16.73	18.32	18.02	18.34
	810	1909.8	16.91	**18.89**	18.36	18.29

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).

Results (12.2kbps RMC)

WCDMA 850:

Test Condition	Test Mode	3GPP Sub Test	Averaged Mean Power (dBm)		
			Low Frequency	Mid Frequency	High Frequency
Normal	RMC12.2k		21.99	**22.10**	21.85
	Rel 6 HSDPA	1	20.86	20.57	20.94
		2	20.74	20.52	20.96
		3	20.81	20.72	20.77
		4	20.79	20.71	20.58
	Rel 6 HSUPA	1	20.48	20.64	20.72
		2	20.73	20.62	20.69
		3	20.74	20.61	20.59
		4	20.58	20.64	20.74
		5	20.72	20.75	20.71

WCDMA 1900:

Test Condition	Test Mode	3GPP Sub Test	Averaged Mean Power (dBm)		
			Low Frequency	Mid Frequency	High Frequency
Normal	RMC12.2k		21.21	21.13	**21.30**
	Rel 6 HSDPA	1	20.68	20.57	20.42
		2	20.69	20.58	20.62
		3	20.61	20.59	20.48
		4	20.80	20.39	20.43
	Rel 6 HSUPA	1	20.46	20.65	20.41
		2	20.78	20.69	20.42
		3	20.65	20.58	20.70
		4	20.47	20.59	20.41
		5	20.76	20.53	20.48

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 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
					1850.7MHz	1880MHz	1909.3MHz
1.4M	QPSK	RB Size=1, RB Offset=0	0	0	22.07	22.16	22.30
		RB Size=1, RB Offset=2	0	0	22.19	22.17	22.33
		RB Size=1, RB Offset=5	0	0	22.15	22.39	22.07
		RB Size=3, RB Offset=0	1	1	22.03	22.00	22.07
		RB Size=3, RB Offset=1	1	1	22.17	22.09	22.03
		RB Size=3, RB Offset=2	1	1	22.13	22.04	22.23
		RB Size=6, RB Offset=0	1	1	21.71	21.92	21.82
	16QAM	RB Size=1, RB Offset=0	1	1	21.75	21.80	21.87
		RB Size=1, RB Offset=2	1	1	22.23	22.20	22.24
		RB Size=1, RB Offset=5	1	1	22.03	22.05	22.00
		RB Size=3, RB Offset=0	2	2	22.15	22.22	22.22
		RB Size=3, RB Offset=1	2	2	21.93	22.04	22.08
		RB Size=3, RB Offset=2	2	2	22.26	22.20	22.21
		RB Size=6, RB Offset=0	2	2	22.07	22.09	22.13
BW	**Modulation**	**Resource Block Size& Resource Block Offset**	**Target MPR**	**Meas MPR**	**Ave Tx Power (dBm)**		
					Low Channel	**Mid Channel**	**High Channel**
					1851.5MHz	1880MHz	1908.5MHz
3M	QPSK	RB Size=1, RB Offset=0	0	0	22.08	21.89	21.79
		RB Size=1, RB Offset=7	0	0	21.55	21.46	21.60
		RB Size=1, RB Offset=14	0	0	22.08	22.25	22.15
		RB Size=8, RB Offset=0	1	1	21.91	21.99	22.05
		RB Size=8, RB Offset=4	1	1	21.46	21.45	21.55
		RB Size=8, RB Offset=7	1	1	21.87	21.84	22.04
		RB Size=15, RB Offset=0	1	1	21.67	21.80	21.83
	16QAM	RB Size=1, RB Offset=0	1	1	21.85	21.87	22.02
		RB Size=1, RB Offset=7	1	1	22.50	21.78	21.77
		RB Size=1, RB Offset=14	1	1	21.81	21.82	21.84
		RB Size=8, RB Offset=0	2	2	21.77	21.90	21.86
		RB Size=8, RB Offset=4	2	2	22.13	22.13	22.19
		RB Size=8, RB Offset=7	2	2	22.05	22.09	22.15
		RB Size=15, RB Offset=0	2	2	21.76	21.83	21.99

BW	Modulation	Resource Block Size& Resource Block Offset	Target MPR	Meas MPR	Ave Tx Power (dBm)		
					Low Channel	Mid Channel	High Channel
					1852.5MHz	1880MHz	1907.5MHz
5M	QPSK	RB Size=1, RB Offset=0	0	0	22.24	22.29	22.29
		RB Size=1, RB Offset=12	0	0	22.22	22.24	22.34
		RB Size=1, RB Offset=24	0	0	21.84	21.89	21.86
		RB Size=12, RB Offset=0	1	1	21.78	21.86	21.94
		RB Size=12, RB Offset=6	1	1	21.88	21.83	21.79
		RB Size=12, RB Offset=11	1	1	21.70	21.86	21.74
		RB Size=25, RB Offset=0	1	1	21.79	21.91	21.89
	16QAM	RB Size=1, RB Offset=0	1	1	21.81	21.82	21.96
		RB Size=1, RB Offset=12	1	1	21.72	21.95	21.97
		RB Size=1, RB Offset=24	1	1	21.85	21.83	21.93
		RB Size=12, RB Offset=0	2	2	20.80	21.03	20.96
		RB Size=12, RB Offset=6	2	2	20.69	20.76	20.78
		RB Size=12, RB Offset=11	2	2	21.87	21.88	21.86
		RB Size=25, RB Offset=0	2	2	21.65	21.68	21.74
BW	Modulation	Resource Block Size& Resource Block Offset	Target MPR	Meas MPR	Ave Tx Power (dBm)		
					Low Channel	Mid Channel	High Channel
					1855MHz	1880MHz	1905MHz
10M	QPSK	RB Size=1, RB Offset=0	0	0	22.14	22.07	22.19
		RB Size=1, RB Offset=24	0	0	22.14	22.17	22.16
		RB Size=1, RB Offset=49	0	0	22.21	22.32	22.17
		RB Size=25, RB Offset=0	1	1	22.05	22.16	22.15
		RB Size=25, RB Offset=12	1	1	22.08	22.25	22.21
		RB Size=25, RB Offset=24	1	1	21.96	21.92	21.83
		RB Size=50, RB Offset=0	1	1	22.07	22.07	22.15
	16QAM	RB Size=1, RB Offset=0	1	1	22.24	22.23	22.40
		RB Size=1, RB Offset=24	1	1	22.15	22.23	22.30
		RB Size=1, RB Offset=49	1	1	21.86	21.91	22.02
		RB Size=25, RB Offset=0	2	2	21.70	21.85	21.76
		RB Size=25, RB Offset=12	2	2	21.79	21.82	21.93
		RB Size=25, RB Offset=24	2	2	21.76	21.96	21.79
		RB Size=50, RB Offset=0	2	2	21.92	21.98	21.96

BW	Modulation	Resource Block Size& Resource Block Offset	Target MPR	Meas MPR	Ave Tx Power (dBm)		
					Low Channel	Mid Channel	High Channel
					1857.5MHz	1880MHz	1902.5MHz
15M	QPSK	RB Size=1, RB Offset=0	0	0	22.12	21.81	21.92
		RB Size=1, RB Offset=37	0	0	21.69	21.74	21.77
		RB Size=1, RB Offset=74	0	0	21.78	21.93	21.91
		RB Size=36, RB Offset=0	1	1	22.09	22.08	22.29
		RB Size=36, RB Offset=18	1	1	22.02	21.97	21.96
		RB Size=36, RB Offset=37	1	1	21.78	21.84	21.92
		RB Size=75, RB Offset=0	1	1	22.11	22.30	22.35
	16QAM	RB Size=1, RB Offset=0	1	1	21.91	21.90	21.92
		RB Size=1, RB Offset=37	1	1	21.84	21.79	21.96
		RB Size=1, RB Offset=74	1	1	22.04	22.05	22.10
		RB Size=36, RB Offset=0	2	2	22.14	22.07	22.23
		RB Size=36, RB Offset=18	2	2	22.22	22.19	22.17
		RB Size=36, RB Offset=37	2	2	22.37	22.12	22.21
		RB Size=75, RB Offset=0	2	2	22.08	22.06	22.18
BW	Modulation	Resource Block Size& Resource Block Offset	Target MPR	Meas MPR	Ave Tx Power (dBm)		
					Low Channel	Mid Channel	High Channel
					1860MHz	1880MHz	1900MHz
20M	QPSK	RB Size=1, RB Offset=0	0	0	22.36	22.35	**22.47**
		RB Size=1, RB Offset=49	0	0	21.73	21.75	21.95
		RB Size=1, RB Offset=99	0	0	22.09	21.83	21.99
		RB Size=50, RB Offset=0	1	1	21.59	21.56	21.71
		RB Size=50, RB Offset=24	1	1	22.05	22.19	**22.06**
		RB Size=50, RB Offset=49	1	1	21.84	21.96	22.06
		RB Size=100, RB Offset=0	1	1	21.48	21.46	21.51
	16QAM	RB Size=1, RB Offset=0	1	1	21.84	21.89	21.94
		RB Size=1, RB Offset=49	1	1	21.74	21.73	21.91
		RB Size=1, RB Offset=99	1	1	21.87	21.85	21.83
		RB Size=50, RB Offset=0	2	2	21.96	22.22	21.84
		RB Size=50, RB Offset=24	2	2	21.82	21.75	21.91
		RB Size=50, RB Offset=49	2	2	21.78	21.89	22.00
		RB Size=100, RB Offset=0	2	2	21.00	20.89	21.09

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
					1710.7MHz	1732.5MHz	1754.3MHz
1.4M	QPSK	RB Size=1, RB Offset=0	0	0	21.38	21.49	21.35
		RB Size=1, RB Offset=2	0	0	21.49	21.43	21.35
		RB Size=1, RB Offset=5	0	0	21.45	21.59	21.40
		RB Size=3, RB Offset=0	1	1	21.16	21.18	21.33
		RB Size=3, RB Offset=1	1	1	21.45	21.36	21.20
		RB Size=3, RB Offset=2	1	1	21.26	21.31	21.30
		RB Size=6, RB Offset=0	1	1	20.88	21.04	21.07
	16QAM	RB Size=1, RB Offset=0	1	1	20.87	20.95	21.13
		RB Size=1, RB Offset=2	1	1	21.44	21.38	21.49
		RB Size=1, RB Offset=5	1	1	21.15	21.20	21.26
		RB Size=3, RB Offset=0	2	2	21.49	21.41	21.40
		RB Size=3, RB Offset=1	2	2	21.03	21.28	21.21
		RB Size=3, RB Offset=2	2	2	21.50	21.33	21.38
		RB Size=6, RB Offset=0	2	2	21.23	21.18	21.37
BW	**Modulation**	**Resource Block Size& Resource Block Offset**	**Target MPR**	**Meas MPR**	**Ave Tx Power (dBm)**		
					Low Channel	**Mid Channel**	**High Channel**
					1711.5MHz	1732.5MHz	1753.5MHz
3M	QPSK	RB Size=1, RB Offset=0	0	0	21.28	20.98	21.10
		RB Size=1, RB Offset=7	0	0	20.57	20.71	20.71
		RB Size=1, RB Offset=14	0	0	21.29	21.45	21.39
		RB Size=8, RB Offset=0	1	1	21.05	21.12	21.12
		RB Size=8, RB Offset=4	1	1	20.64	20.65	20.72
		RB Size=8, RB Offset=7	1	1	21.08	21.07	21.10
		RB Size=15, RB Offset=0	1	1	20.82	20.98	21.10
	16QAM	RB Size=1, RB Offset=0	1	1	20.94	21.08	21.22
		RB Size=1, RB Offset=7	1	1	21.71	21.01	20.96
		RB Size=1, RB Offset=14	1	1	21.09	20.99	21.18
		RB Size=8, RB Offset=0	2	2	21.07	21.15	21.17
		RB Size=8, RB Offset=4	2	2	21.29	21.29	21.40
		RB Size=8, RB Offset=7	2	2	21.15	21.25	21.32
		RB Size=15, RB Offset=0	2	2	20.96	20.97	21.07

BW	Modulation	Resource Block Size& Resource Block Offset	Target MPR	Meas MPR	Ave Tx Power (dBm)		
					Low Channel	Mid Channel	High Channel
					1712.5MHz	1732.5MHz	1752.5MHz
5M	QPSK	RB Size=1, RB Offset=0	0	0	21.32	21.44	21.54
		RB Size=1, RB Offset=12	0	0	21.40	21.39	21.47
		RB Size=1, RB Offset=24	0	0	20.98	20.96	21.01
		RB Size=12, RB Offset=0	1	1	20.91	20.92	21.09
		RB Size=12, RB Offset=6	1	1	20.91	21.05	20.95
		RB Size=12, RB Offset=11	1	1	20.84	20.94	20.88
		RB Size=25, RB Offset=0	1	1	21.01	21.10	21.01
	16QAM	RB Size=1, RB Offset=0	1	1	21.05	21.12	21.18
		RB Size=1, RB Offset=12	1	1	20.85	20.98	21.19
		RB Size=1, RB Offset=24	1	1	21.05	21.03	20.94
		RB Size=12, RB Offset=0	2	2	20.04	20.12	20.30
		RB Size=12, RB Offset=6	2	2	19.75	20.01	20.06
		RB Size=12, RB Offset=11	2	2	21.05	21.06	21.13
		RB Size=25, RB Offset=0	2	2	20.90	20.84	20.85

BW	Modulation	Resource Block Size& Resource Block Offset	Target MPR	Meas MPR	Ave Tx Power (dBm)		
					Low Channel	Mid Channel	High Channel
					1715MHz	1732.5MHz	1750MHz
10M	QPSK	RB Size=1, RB Offset=0	0	0	21.16	21.25	21.46
		RB Size=1, RB Offset=24	0	0	21.28	21.28	21.29
		RB Size=1, RB Offset=49	0	0	21.48	21.40	21.39
		RB Size=25, RB Offset=0	1	1	21.35	21.45	21.41
		RB Size=25, RB Offset=12	1	1	21.37	21.30	21.47
		RB Size=25, RB Offset=24	1	1	21.08	20.97	21.18
		RB Size=50, RB Offset=0	1	1	21.20	21.24	21.20
	16QAM	RB Size=1, RB Offset=0	1	1	21.38	21.49	21.46
		RB Size=1, RB Offset=24	1	1	21.33	21.48	21.50
		RB Size=1, RB Offset=49	1	1	21.17	21.08	21.18
		RB Size=25, RB Offset=0	2	2	21.00	20.92	21.03
		RB Size=25, RB Offset=12	2	2	20.91	20.95	21.18
		RB Size=25, RB Offset=24	2	2	21.04	21.07	21.11
		RB Size=50, RB Offset=0	2	2	21.06	21.13	21.21

BW	Modulation	Resource Block Size& Resource Block Offset	Target MPR	Meas MPR	Ave Tx Power (dBm)		
					Low Channel	Mid Channel	High Channel
					1717.5MHz	1732.5MHz	1747.5MHz
15M	QPSK	RB Size=1, RB Offset=0	0	0	21.27	21.03	21.02
		RB Size=1, RB Offset=37	0	0	21.01	20.87	21.03
		RB Size=1, RB Offset=74	0	0	20.93	21.03	21.12
		RB Size=36, RB Offset=0	1	1	21.30	21.26	21.47
		RB Size=36, RB Offset=18	1	1	21.17	21.14	21.16
		RB Size=36, RB Offset=37	1	1	20.88	20.98	20.92
		RB Size=75, RB Offset=0	1	1	21.39	21.48	21.38
	16QAM	RB Size=1, RB Offset=0	1	1	21.10	21.07	21.16
		RB Size=1, RB Offset=37	1	1	21.03	20.99	21.16
		RB Size=1, RB Offset=74	1	1	21.18	21.33	21.39
		RB Size=36, RB Offset=0	2	2	21.18	21.37	21.37
		RB Size=36, RB Offset=18	2	2	21.22	21.30	21.40
		RB Size=36, RB Offset=37	2	2	21.68	21.31	21.41
		RB Size=75, RB Offset=0	2	2	21.12	21.25	21.24

BW	Modulation	Resource Block Size& Resource Block Offset	Target MPR	Meas MPR	Ave Tx Power (dBm)		
					Low Channel	Mid Channel	High Channel
					1720MHz	1732.5MHz	1745MHz
20M	QPSK	RB Size=1, RB Offset=0	0	0	21.44	21.54	**21.55**
		RB Size=1, RB Offset=49	0	0	20.99	20.99	21.05
		RB Size=1, RB Offset=99	0	0	21.35	21.03	21.05
		RB Size=50, RB Offset=0	1	1	20.68	20.79	20.80
		RB Size=50, RB Offset=24	1	1	21.07	21.07	**21.24**
		RB Size=50, RB Offset=49	1	1	21.04	21.08	21.22
		RB Size=100, RB Offset=0	1	1	20.55	20.63	20.65
	16QAM	RB Size=1, RB Offset=0	1	1	20.98	21.10	21.16
		RB Size=1, RB Offset=49	1	1	20.84	20.93	21.02
		RB Size=1, RB Offset=99	1	1	20.95	21.05	21.10
		RB Size=50, RB Offset=0	2	2	21.11	21.32	21.01
		RB Size=50, RB Offset=24	2	2	20.90	21.03	20.97
		RB Size=50, RB Offset=49	2	2	20.95	21.09	21.11
		RB Size=100, RB Offset=0	2	2	20.06	20.17	20.23

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
					824.7 MHz	836.5 MHz	848.3 MHz
1.4M	QPSK	RB Size=1, RB Offset=0	0	0	21.83	21.89	21.89
		RB Size=1, RB Offset=2	0	0	21.91	21.89	21.91
		RB Size=1, RB Offset=5	0	0	21.91	22.07	21.81
		RB Size=3, RB Offset=0	1	1	21.71	21.75	21.84
		RB Size=3, RB Offset=1	1	1	21.89	21.78	21.75
		RB Size=3, RB Offset=2	1	1	21.72	21.76	21.84
		RB Size=6, RB Offset=0	1	1	21.43	21.50	21.63
	16QAM	RB Size=1, RB Offset=0	1	1	21.49	21.46	21.56
		RB Size=1, RB Offset=2	1	1	21.94	21.90	21.89
		RB Size=1, RB Offset=5	1	1	21.66	21.78	21.82
		RB Size=3, RB Offset=0	2	2	21.87	21.99	21.96
		RB Size=3, RB Offset=1	2	2	21.60	21.70	21.77
		RB Size=3, RB Offset=2	2	2	21.92	21.85	21.93
		RB Size=6, RB Offset=0	2	2	21.67	21.77	21.85
BW	**Modulation**	**Resource Block Size& Resource Block Offset**	**Target MPR**	**Meas MPR**	**Ave Tx Power (dBm)**		
					Low Channel	**Mid Channel**	**High Channel**
					825.5 MHz	836.5 MHz	847.5 MHz
3M	QPSK	RB Size=1, RB Offset=0	0	0	21.74	21.50	21.54
		RB Size=1, RB Offset=7	0	0	21.18	21.22	21.29
		RB Size=1, RB Offset=14	0	0	21.76	21.90	21.85
		RB Size=8, RB Offset=0	1	1	21.58	21.66	21.73
		RB Size=8, RB Offset=4	1	1	21.12	21.21	21.22
		RB Size=8, RB Offset=7	1	1	21.53	21.62	21.59
		RB Size=15, RB Offset=0	1	1	21.38	21.52	21.61
	16QAM	RB Size=1, RB Offset=0	1	1	21.50	21.59	21.67
		RB Size=1, RB Offset=7	1	1	22.15	21.53	21.50
		RB Size=1, RB Offset=14	1	1	21.53	21.53	21.58
		RB Size=8, RB Offset=0	2	2	21.55	21.62	21.62
		RB Size=8, RB Offset=4	2	2	21.84	21.89	21.89
		RB Size=8, RB Offset=7	2	2	21.66	21.74	21.79
		RB Size=15, RB Offset=0	2	2	21.53	21.54	21.63

BW	Modulation	Resource Block Size& Resource Block Offset	Target MPR	Meas MPR	Ave Tx Power (dBm)		
					Low Channel	Mid Channel	High Channel
					826.5 MHz	836.5 MHz	846.5 MHz
5M	QPSK	RB Size=1, RB Offset=0	0	0	21.87	21.97	22.05
		RB Size=1, RB Offset=12	0	0	21.81	21.90	21.93
		RB Size=1, RB Offset=24	0	0	21.52	21.51	21.63
		RB Size=12, RB Offset=0	1	1	21.41	21.56	21.57
		RB Size=12, RB Offset=6	1	1	21.47	21.53	21.50
		RB Size=12, RB Offset=11	1	1	21.38	21.44	21.46
		RB Size=25, RB Offset=0	1	1	21.51	21.54	21.65
	16QAM	RB Size=1, RB Offset=0	1	1	21.49	21.55	21.60
		RB Size=1, RB Offset=12	1	1	21.44	21.53	21.66
		RB Size=1, RB Offset=24	1	1	21.46	21.54	21.56
		RB Size=12, RB Offset=0	2	2	20.54	20.66	20.70
		RB Size=12, RB Offset=6	2	2	20.37	20.42	20.48
		RB Size=12, RB Offset=11	2	2	21.49	21.56	21.59
		RB Size=25, RB Offset=0	2	2	21.38	21.35	21.44

BW	Modulation	Resource Block Size& Resource Block Offset	Target MPR	Meas MPR	Ave Tx Power (dBm)		
					Low Channel	Mid Channel	High Channel
					829 MHz	836.5 MHz	844 MHz
10M	QPSK	RB Size=1, RB Offset=0	0	0	21.71	21.85	**21.97**
		RB Size=1, RB Offset=24	0	0	21.80	21.78	21.81
		RB Size=1, RB Offset=49	0	0	21.88	21.97	21.85
		RB Size=25, RB Offset=0	1	1	21.79	21.74	**21.89**
		RB Size=25, RB Offset=12	1	1	21.75	21.86	21.80
		RB Size=25, RB Offset=24	1	1	21.54	21.55	21.65
		RB Size=50, RB Offset=0	1	1	21.77	21.81	21.80
	16QAM	RB Size=1, RB Offset=0	1	1	21.91	22.02	22.02
		RB Size=1, RB Offset=24	1	1	21.83	21.94	21.89
		RB Size=1, RB Offset=49	1	1	21.65	21.64	21.75
		RB Size=25, RB Offset=0	2	2	21.41	21.52	21.49
		RB Size=25, RB Offset=12	2	2	21.52	21.48	21.61
		RB Size=25, RB Offset=24	2	2	21.45	21.54	21.53
		RB Size=50, RB Offset=0	2	2	21.52	21.57	21.68

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
					2502.5MHz	2535MHz	2567.5MHz
5M	QPSK	RB Size=1, RB Offset=0	0	0	21.31	21.40	21.42
		RB Size=1, RB Offset=12	0	0	21.34	21.43	21.46
		RB Size=1, RB Offset=24	0	0	21.74	21.76	21.77
		RB Size=12, RB Offset=0	1	1	21.69	21.65	21.75
		RB Size=12, RB Offset=6	1	1	21.81	21.85	21.87
		RB Size=12, RB Offset=11	1	1	21.83	21.87	21.89
		RB Size=25, RB Offset=0	1	1	21.76	21.69	21.72
	16QAM	RB Size=1, RB Offset=0	1	1	21.74	21.72	21.79
		RB Size=1, RB Offset=12	1	1	20.91	20.95	20.97
		RB Size=1, RB Offset=24	1	1	20.64	20.74	20.70
		RB Size=12, RB Offset=0	2	2	21.74	21.83	21.84
		RB Size=12, RB Offset=6	2	2	21.87	22.04	22.01
		RB Size=12, RB Offset=11	2	2	21.84	21.81	21.88
		RB Size=25, RB Offset=0	2	2	21.79	21.80	21.89
BW	Modulation	Resource Block Size& Resource Block Offset	Target MPR	Meas MPR	Ave Tx Power (dBm)		
					Low Channel	Mid Channel	High Channel
					2505MHz	2535MHz	2565MHz
10M	QPSK	RB Size=1, RB Offset=0	0	0	21.46	21.45	21.52
		RB Size=1, RB Offset=24	0	0	21.80	21.85	21.92
		RB Size=1, RB Offset=49	0	0	21.47	21.49	21.56
		RB Size=25, RB Offset=0	1	1	21.48	21.53	21.60
		RB Size=25, RB Offset=12	1	1	21.54	21.65	21.63
		RB Size=25, RB Offset=24	1	1	21.37	21.41	21.47
		RB Size=50, RB Offset=0	1	1	21.37	21.42	21.47
	16QAM	RB Size=1, RB Offset=0	1	1	21.82	21.82	21.86
		RB Size=1, RB Offset=24	1	1	21.72	21.75	21.83
		RB Size=1, RB Offset=49	1	1	21.88	21.88	21.96
		RB Size=25, RB Offset=0	2	2	21.73	21.86	21.86
		RB Size=25, RB Offset=12	2	2	21.79	21.85	21.84
		RB Size=25, RB Offset=24	2	2	21.75	21.89	21.98
		RB Size=50, RB Offset=0	2	2	20.88	20.93	21.05

BW	Modulation	Resource Block Size& Resource Block Offset	Target MPR	Meas MPR	Ave Tx Power (dBm)		
					Low Channel	Mid Channel	High Channel
					2507.5MHz	2535MHz	2562.5MHz
15M	QPSK	RB Size=1, RB Offset=0	0	0	22.03	21.99	22.05
		RB Size=1, RB Offset=37	0	0	21.86	21.85	21.92
		RB Size=1, RB Offset=74	0	0	21.98	21.75	21.93
		RB Size=36, RB Offset=0	1	1	21.80	21.89	21.81
		RB Size=36, RB Offset=18	1	1	21.86	21.91	22.07
		RB Size=36, RB Offset=37	1	1	21.83	21.94	21.97
		RB Size=75, RB Offset=0	1	1	22.03	22.04	21.89
	16QAM	RB Size=1, RB Offset=0	1	1	21.52	21.53	21.61
		RB Size=1, RB Offset=37	1	1	21.68	21.70	21.72
		RB Size=1, RB Offset=74	1	1	21.37	21.44	21.47
		RB Size=36, RB Offset=0	2	2	21.37	21.47	21.63
		RB Size=36, RB Offset=18	2	2	21.80	21.79	21.84
		RB Size=36, RB Offset=37	2	2	21.55	21.62	21.66
		RB Size=75, RB Offset=0	2	2	21.45	21.62	21.56
BW	Modulation	Resource Block Size& Resource Block Offset	Target MPR	Meas MPR	Ave Tx Power (dBm)		
					Low Channel	Mid Channel	High Channel
					2510MHz	2535MHz	2560MHz
20M	QPSK	RB Size=1, RB Offset=0	0	0	22.12	22.12	**22.18**
		RB Size=1, RB Offset=49	0	0	21.84	21.95	21.95
		RB Size=1, RB Offset=99	0	0	21.51	21.48	21.59
		RB Size=50, RB Offset=0	1	1	21.48	21.52	21.56
		RB Size=50, RB Offset=24	1	1	21.53	21.55	**21.61**
		RB Size=50, RB Offset=49	1	1	21.33	21.43	21.49
		RB Size=100, RB Offset=0	1	1	21.40	21.37	21.47
	16QAM	RB Size=1, RB Offset=0	1	1	21.82	21.84	21.93
		RB Size=1, RB Offset=49	1	1	21.73	21.82	21.86
		RB Size=1, RB Offset=99	1	1	21.81	21.82	21.88
		RB Size=50, RB Offset=0	2	2	21.80	21.92	21.90
		RB Size=50, RB Offset=24	2	2	21.73	21.83	21.83
		RB Size=50, RB Offset=49	2	2	21.78	21.83	21.89
		RB Size=100, RB Offset=0	2	2	20.89	21.00	21.08

Bluetooth

Mode	Channel No.	Channel frequency (MHz)	Conducted Output Power	
			(dBm)	(mW)
BDR(GFSK)	0	2402	**-0.67**	0.857
	39	2441	-3.85	0.412
	78	2480	-0.90	0.813
EDR(4-DQPSK)	0	2402	-1.30	0.741
	39	2441	-4.46	0.358
	78	2480	-1.78	0.664
EDR-8DPSK	0	2402	-1.17	0.764
	39	2441	-4.29	0.372
	78	2480	-1.65	0.684
BLE	0	2402	-6.84	0.207
	20	2440	-9.42	0.114
	39	2480	-8.24	0.150

Wi-Fi

Mode	Channel No.	Channel frequency (MHz)	Conducted Output Power	
			(dBm)	(mW)
802.11b	1	2412	9.62	9.162
	7	2442	9.57	9.057
	13	2472	9.72	9.376
802.11g	1	2412	9.67	9.268
	7	2442	9.62	9.162
	13	2472	**9.78**	9.638
802.11n HT20	1	2412	9.49	8.892
	7	2442	9.70	9.333
	13	2472	9.74	9.419
802.11n HT40	1	2422	8.37	6.871
	5	2442	8.52	7.112
	9	2462	8.55	7.161

SAR MEASUREMENT RESULTS

This page summarizes the results of the performed dosimetric evaluation.

SAR Test Data

Environmental Conditions

Temperature:	22-24 ℃
Relative Humidity:	45-57 %
ATM Pressure:	1001-1002 mbar

Testing was performed by River Rao, Sandy Zhang, Has zhao and Lance Li on 2016-10-18, 2016-10-19, 2016-10-20 and 2016-11-08

GSM 850:

EUT Position	Frequency (MHz)	Test Mode	Power Drift (dB)	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	0.054	32.91	33.00	1.021	0.350	0.357	1#
	836.6	GSM	0.110	32.84	33.00	1.038	0.414	**0.430**	**2#**
	848.8	GSM	-0.01	32.90	33.00	1.023	0.409	0.418	3#
Left Head Tilt	824.2	GSM	/	/	/	/	/	/	/
	836.6	GSM	0.040	32.84	33.00	1.038	0.152	0.158	4#
	848.8	GSM	/	/	/	/	/	/	/
Right Head Cheek	824.2	GSM	/	/	/	/	/	/	/
	836.6	GSM	-0.077	32.84	33.00	1.038	0.363	0.377	5#
	848.8	GSM	/	/	/	/	/	/	/
Right Head Tilt	824.2	GSM	/	/	/	/	/	/	/
	836.6	GSM	-0.035	32.84	33.00	1.038	0.136	0.141	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.

PCS Band:

EUT Position	Frequency (MHz)	Test Mode	Power Drift (dB)	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	0.199	30.31	30.50	1.045	0.191	0.200	7#
	1880.0	GSM	-0.079	30.19	30.50	1.074	0.231	**0.248**	8#
	1909.8	GSM	0.025	30.40	30.50	1.023	0.216	0.221	9#
Left Head Tilt	1850.2	GSM	/	/	/	/	/	/	/
	1880.0	GSM	-0.058	30.19	30.50	1.074	0.082	0.088	10#
	1909.8	GSM	/	/	/	/	/	/	/
Right Head Cheek	1850.2	GSM	/	/	/	/	/	/	/
	1880.0	GSM	-0.031	30.19	30.50	1.074	0.177	0.190	11#
	1909.8	GSM	/	/	/	/	/	/	/
Right Head Tilt	1850.2	GSM	/	/	/	/	/	/	/
	1880.0	GSM	-0.118	30.19	30.50	1.074	0.066	0.071	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.

WCDMA 850

EUT Position	Frequency (MHz)	Test Mode	Power Drift (dB)	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	/	/	/	/	/	/	/
	836.6	RMC	0.072	22.10	22.20	1.023	0.113	**0.116**	13#
	846.6	RMC	/	/	/	/	/	/	/
Left Head Tilt	826.4	RMC	/	/	/	/	/	/	/
	836.6	RMC	0.021	22.10	22.20	1.023	0.061	0.062	14#
	846.6	RMC	/	/	/	/	/	/	/
Right Head Cheek	826.4	RMC	/	/	/	/	/	/	/
	836.6	RMC	0.096	22.10	22.20	1.023	0.091	0.093	15#
	846.6	RMC	/	/	/	/	/	/	/
Right Head Tilt	826.4	RMC	/	/	/	/	/	/	/
	836.6	RMC	-0.029	22.10	22.20	1.023	0.040	0.041	16#
	846.6	RMC	/	/	/	/	/	/	/

WCDMA 1900

EUT Position	Frequency (MHz)	Test Mode	Power Drift (dB)	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	0.166	21.21	21.40	1.045	0.657	0.686	17#
	1880.0	RMC	-0.062	21.13	21.40	1.064	0.731	0.778	18#
	1907.6	RMC	-0.018	21.30	21.40	1.023	0.822	0.841	19#
Left Head Tilt	1852.4	RMC	/	/	/	/	/	/	/
	1880.0	RMC	/	/	/	/	/	/	/
	1907.6	RMC	-0.203	21.30	21.40	1.023	0.385	0.394	20#
Right Head Cheek	1852.4	RMC	-0.00	21.21	21.40	1.045	0.843	**0.881**	21#
	1880.0	RMC	0.080	21.13	21.40	1.064	0.762	0.811	22#
	1907.6	RMC	0.132	21.30	21.40	1.023	0.692	0.708	23#
Right Head Tilt	1852.4	RMC	/	/	/	/	/	/	/
	1880.0	RMC	/	/	/	/	/	/	/
	1907.6	RMC	0.085	21.30	21.40	1.023	0.482	0.493	24#

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.

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=0	/	/	/	/	/	/	/
	1880	20	1RB, Offset=0	/	/	/	/	/	/	/
	1900	20	1RB, Offset=0	0.114	22.47	22.60	1.030	0.398	0.410	25#
	1900	20	50%RB, Offset=0	0.032	22.06	22.60	1.132	0.338	0.383	26#
Left Head Tilt	1860	20	1RB, Offset=0	/	/	/	/	/	/	/
	1880	20	1RB, Offset=0	/	/	/	/	/	/	/
	1900	20	1RB, Offset=0	0.086	22.47	22.60	1.030	0.233	0.240	27#
	1900	20	50%RB, Offset=0	-0.057	22.06	22.60	1.132	0.073	0.083	28#
Right Head Cheek	1860	20	1RB, Offset=0	/	/	/	/	/	/	/
	1880	20	1RB, Offset=0	/	/	/	/	/	/	/
	1900	20	1RB, Offset=0	0.077	22.47	22.60	1.030	0.584	**0.602**	**29#**
	1900	20	50%RB, Offset=0	0.062	22.06	22.60	1.132	0.459	0.520	30#
Right Head Tilt	1860	20	1RB, Offset=0	/	/	/	/	/	/	/
	1880	20	1RB, Offset=0	/	/	/	/	/	/	/
	1900	20	1RB, Offset=0	-0.190	22.47	22.60	1.030	0.303	0.312	31#
	1900	20	50%RB, Offset=0	0.053	22.06	22.60	1.132	0.138	0.156	32#

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=0	/	/	/	/	/	/	/
	1732.5	20	1RB, Offset=0	/	/	/	/	/	/	/
	1745	20	1RB, Offset=0	0.039	21.55	21.60	1.012	0.375	**0.380**	**33#**
	1745	20	50%RB, Offset=0	-0.043	21.24	21.60	1.086	0.301	0.327	34#
Left Head Tilt	1720	20	1RB, Offset=0	/	/	/	/	/	/	/
	1732.5	20	1RB, Offset=0	/	/	/	/	/	/	/
	1745	20	1RB, Offset=0	0.055	21.55	21.60	1.012	0.145	0.147	35#
	1745	20	50%RB, Offset=0	-0.044	21.24	21.60	1.086	0.128	0.139	36#
Right Head Cheek	1720	20	1RB, Offset=0	/	/	/	/	/	/	/
	1732.5	20	1RB, Offset=0	/	/	/	/	/	/	/
	1745	20	1RB, Offset=0	-0.195	21.55	21.60	1.012	0.315	0.319	37#
	1745	20	50%RB, Offset=0	0.019	21.24	21.60	1.086	0.319	0.346	38#
Right Head Tilt	1720	20	1RB, Offset=0	/	/	/	/	/	/	/
	1732.5	20	1RB, Offset=0	/	/	/	/	/	/	/
	1745	20	1RB, Offset=0	0.041	21.55	21.60	1.012	0.126	0.128	39#
	1745	20	50%RB, Offset=0	0.053	21.24	21.60	1.086	0.131	0.142	40#

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=0	/	/	/	/	/	/	/
	836.5	10	1RB, Offset=0	/	/	/	/	/	/	/
	844	10	1RB, Offset=0	-0.138	21.97	22.20	1.054	0.243	0.256	41#
	836.5	10	50%RB, Offset=0	0.101	21.94	22.20	1.062	0.237	0.252	42#
Left Head Tilt	829	10	1RB, Offset=0	/	/	/	/	/	/	/
	836.5	10	1RB, Offset=0	/	/	/	/	/	/	/
	844	10	1RB, Offset=0	-0.062	21.97	22.20	1.054	0.104	0.110	43#
	836.5	10	50%RB, Offset=0	0.017	21.94	22.20	1.062	0.097	0.103	44#
Right Head Cheek	829	10	1RB, Offset=0	/	/	/	/	/	/	/
	836.5	10	1RB, Offset=0	/	/	/	/	/	/	/
	844	10	1RB, Offset=0	0.183	21.97	22.20	1.054	0.251	**0.265**	**45#**
	836.5	10	50%RB, Offset=0	-0.025	21.94	22.20	1.062	0.193	0.205	46#
Right Head Tilt	829	10	1RB, Offset=0	/	/	/	/	/	/	/
	836.5	10	1RB, Offset=0	/	/	/	/	/	/	/
	844	10	1RB, Offset=0	-0.015	21.97	22.20	1.054	0.107	0.113	47#
	836.5	10	50%RB, Offset=0	0.01	21.94	22.20	1.062	0.110	0.117	48#

LTE Band 7:

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	2510	20	1RB, Offset=0	/	/	/	/	/	/	/
	2535	20	1RB, Offset=0	/	/	/	/	/	/	/
	2560	20	1RB, Offset=0	0.063	22.18	22.2	1.005	0.282	**0.283**	**49#**
	2560	20	50%RB, Offset=0	-0.033	21.61	22.2	1.146	0.211	0.242	50#
Left Head Tilt	2510	20	1RB, Offset=0	/	/	/	/	/	/	/
	2535	20	1RB, Offset=0	/	/	/	/	/	/	/
	2560	20	1RB, Offset=0	0.079	22.18	22.2	1.005	0.141	0.142	51#
	2560	20	50%RB, Offset=0	0.059	21.61	22.2	1.146	0.102	0.117	52#
Right Head Cheek	2510	20	1RB, Offset=0	/	/	/	/	/	/	/
	2535	20	1RB, Offset=0	/	/	/	/	/	/	/
	2560	20	1RB, Offset=0	-0.073	22.18	22.2	1.005	0.264	0.265	53#
	2560	20	50%RB, Offset=0	-0.058	21.61	22.2	1.146	0.214	0.245	54#
Right Head Tilt	2510	20	1RB, Offset=0	/	/	/	/	/	/	/
	2535	20	1RB, Offset=0	/	/	/	/	/	/	/
	2560	20	1RB, Offset=0	0.032	22.18	22.2	1.005	0.116	0.117	55#
	2560	20	50%RB, Offset=0	-0.061	21.61	22.2	1.146	0.068	0.078	56#

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 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: 835)

EUT Position	Frequency (MHz)	Test Mode	Power Drift (dB)	Max. Meas. Power (dBm)	Max. Rated Power (dBm)	1g SAR (W/Kg)			
						Scaled Factor	Meas. SAR	Scaled SAR	Plot
Body-Headset-Back (10mm)	824.2	GSM	/	/	/	/	/	/	/
	836.6	GSM	-0.026	32.84	33.00	1.038	0.456	0.473	57#
	848.8	GSM	/	/	/	/	/	/	/
Body-Back (10mm)	824.2	GPRS	-0.025	29.15	29.50	1.084	0.749	0.812	58#
	836.6	GPRS	-0.133	29.14	29.50	1.086	0.809	**0.879**	59#
	848.8	GPRS	-0.064	29.41	29.50	1.021	0.805	0.822	60#
Body-Left (10mm)	824.2	GPRS	/	/	/	/	/	/	/
	836.6	GPRS	/	/	/	/	/	/	/
	848.8	GPRS	0.051	29.41	29.50	1.021	0.318	0.325	61#
Body-Right (10mm)	824.2	GPRS	/	/	/	/	/	/	/
	836.6	GPRS	/	/	/	/	/	/	/
	848.8	GPRS	-0.046	29.41	29.50	1.021	0.283	0.289	62#
Body-Bottom (10mm)	824.2	GPRS	/	/	/	/	/	/	/
	836.6	GPRS	/	/	/	/	/	/	/
	848.8	GPRS	-0.050	29.41	29.50	1.021	0.272	0.278	63#

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 (dB)	Max. Meas. Power (dBm)	Max. Rated Power (dBm)	1g SAR (W/Kg)			
						Scaled Factor	Meas. SAR	Scaled SAR	Plot
Body-Headset-Back (10mm)	1850.2	GSM	/	/	/	/	/	/	/
	1880.0	GSM	0.01	30.19	30.50	1.074	0.310	0.333	64#
	1909.8	GSM	/	/	/	/	/	/	/
Body-Back (10mm)	1850.2	GPRS	/	/	/	/	/	/	/
	1880.0	GPRS	-0.019	26.52	26.70	1.042	0.402	**0.419**	65#
	1909.8	GPRS	/	/	/	/	/	/	/
Body-Left (10mm)	1850.2	GPRS	/	/	/	/	/	/	/
	1880.0	GPRS	-0.00	26.52	26.70	1.042	0.151	0.157	66#
	1909.8	GPRS	/	/	/	/	/	/	/
Body-Right (10mm)	1850.2	GPRS	/	/	/	/	/	/	/
	1880.0	GPRS	-0.075	26.52	26.70	1.042	0.164	0.171	67#
	1909.8	GPRS	/	/	/	/	/	/	/
Body-Bottom (10mm)	1850.2	GPRS	/	/	/	/	/	/	/
	1880.0	GPRS	-0.192	26.52	26.70	1.042	0.249	0.260	68#
	1909.8	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-WCDMA 850

EUT Position	Frequency (MHz)	Test Mode	Power Drift (dB)	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	/	/	/	/	/	/	/
	836.6	RMC	-0.031	22.10	22.20	1.023	0.426	**0.436**	69#
	846.6	RMC	/	/	/	/	/	/	/
Body-Left (10mm)	826.4	RMC	/	/	/	/	/	/	/
	836.6	RMC	-0.177	22.10	22.20	1.023	0.168	0.172	70#
	846.6	RMC	/	/	/	/	/	/	/
Body-Right (10mm)	826.4	RMC	/	/	/	/	/	/	/
	836.6	RMC	0.076	22.10	22.20	1.023	0.221	0.226	71#
	846.6	RMC	/	/	/	/	/	/	/
Body-Bottom (10mm)	826.4	RMC	/	/	/	/	/	/	/
	836.6	RMC	0.087	22.10	22.20	1.023	0.167	0.171	72#
	846.6	RMC	/	/	/	/	/	/	/

Hot Spot-WCDMA 1900

EUT Position	Frequency (MHz)	Test Mode	Power Drift (dB)	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	0.042	21.21	21.40	1.045	0.861	0.900	73#
	1880.0	RMC	0.212	21.13	21.40	1.064	0.963	**1.025**	74#
	1907.6	RMC	-0.090	21.30	21.40	1.023	0.801	0.820	75#
Body-Left (10mm)	1852.4	RMC	/	/	/	/	/	/	/
	1880.0	RMC	/	/	/	/	/	/	/
	1907.6	RMC	0.142	21.30	21.40	1.023	0.126	0.129	76#
Body-Right (10mm)	1852.4	RMC	/	/	/	/	/	/	/
	1880.0	RMC	/	/	/	/	/	/	/
	1907.6	RMC	-0.055	21.30	21.40	1.023	0.185	0.189	77#
Body-Bottom (10mm)	1852.4	RMC	/	/	/	/	/	/	/
	1880.0	RMC	/	/	/	/	/	/	/
	1907.6	RMC	0.077	21.30	21.40	1.023	0.350	0.358	78#

Note:

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

4. 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.

Hot Spot-LTE Band 2

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)	1860	1RB, Offset=0	/	/	/	/	/	/	/
	1880	1RB, Offset=0	/	/	/	/	/	/	/
	1900	1RB, Offset=0	-0.070	22.47	22.60	1.030	0.722	**0.744**	**79#**
	1900	50%RB, Offset=0	0.011	22.06	22.6	1.132	0.639	0.723	80#
Body-Left (10mm)	1860	1RB, Offset=0	/	/	/	/	/	/	/
	1880	1RB, Offset=0	/	/	/	/	/	/	/
	1900	1RB, Offset=0	-0.206	22.47	22.60	1.030	0.227	0.234	81#
	1900	50%RB, Offset=0	-0.063	22.06	22.6	1.132	0.138	0.156	82#
Body-Right (10mm)	1860	1RB, Offset=0	/	/	/	/	/	/	/
	1880	1RB, Offset=0	/	/	/	/	/	/	/
	1900	1RB, Offset=0	-0.050	22.47	22.60	1.030	0.271	0.279	83#
	1900	50%RB, Offset=0	-0.135	22.06	22.6	1.132	0.219	0.248	84#
Body-Bottom (10mm)	1860	1RB, Offset=0	/	/	/	/	/	/	/
	1880	1RB, Offset=0	/	/	/	/	/	/	/
	1900	1RB, Offset=0	-0.139	22.47	22.60	1.030	0.406	0.418	85#
	1900	50%RB, Offset=0	0.01	22.06	22.6	1.132	0.323	0.366	86#

Hot Spot-LTE Band 4

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)	1720	1RB, Offset=0	/	/	/	/	/	/	/
	1732.5	1RB, Offset=0	/	/	/	/	/	/	/
	1745	1RB, Offset=0	-0.071	21.55	21.60	1.012	0.611	**0.618**	**87#**
	1745	50%RB, Offset=0	-0.042	21.24	21.60	1.086	0.561	0.609	88#
Body-Left (10mm)	1720	1RB, Offset=0	/	/	/	/	/	/	/
	1732.5	1RB, Offset=0	/	/	/	/	/	/	/
	1745	1RB, Offset=0	-0.061	21.55	21.60	1.012	0.149	0.151	89#
	1745	50%RB, Offset=0	0.154	21.24	21.60	1.086	0.091	0.099	90#
Body-Right (10mm)	1720	1RB, Offset=0	/	/	/	/	/	/	/
	1732.5	1RB, Offset=0	/	/	/	/	/	/	/
	1745	1RB, Offset=0	0.00	21.55	21.60	1.012	0.190	0.192	91#
	1745	50%RB, Offset=0	0.018	21.24	21.60	1.086	0.160	0.174	92#
Body-Bottom (10mm)	1720	1RB, Offset=0	/	/	/	/	/	/	/
	1732.5	1RB, Offset=0	/	/	/	/	/	/	/
	1745	1RB, Offset=0	-0.027	21.55	21.60	1.012	0.326	0.330	93#
	1745	50%RB, Offset=0	0.122	20.80	21.60	1.202	0.276	0.332	94#

Hot Spot-LTE Band 5

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)	829	1RB, Offset=0	/	/	/	/	/	/	/
	836.5	1RB, Offset=0	/	/	/	/	/	/	/
	844	1RB, Offset=0	0.00	21.97	22.20	1.054	0.423	**0.446**	95#
	836.5	50%RB, Offset=0	-0.027	21.94	22.20	1.062	0.324	0.344	96#
Body-Left (10mm)	829	1RB, Offset=0	/	/	/	/	/	/	/
	836.5	1RB, Offset=0	/	/	/	/	/	/	/
	844	1RB, Offset=0	-0.087	21.97	22.20	1.054	0.122	0.129	97#
	836.5	50%RB, Offset=0	-0.112	21.94	22.20	1.062	0.103	0.109	98#
Body-Right (10mm)	829	1RB, Offset=0	/	/	/	/	/	/	/
	836.5	1RB, Offset=0	/	/	/	/	/	/	/
	844	1RB, Offset=0	-0.094	21.97	22.20	1.054	0.135	0.142	99#
	836.5	50%RB, Offset=0	0.047	21.94	22.20	1.062	0.129	0.137	100#
Body-Bottom (10mm)	829	1RB, Offset=0	/	/	/	/	/	/	/
	836.5	1RB, Offset=0	/	/	/	/	/	/	/
	844	1RB, Offset=0	0.038	21.97	22.20	1.054	0.117	0.123	101#
	836.5	50%RB, Offset=0	0.00	21.94	22.20	1.062	0.069	0.073	102#

Hot Spot-LTE Band 7

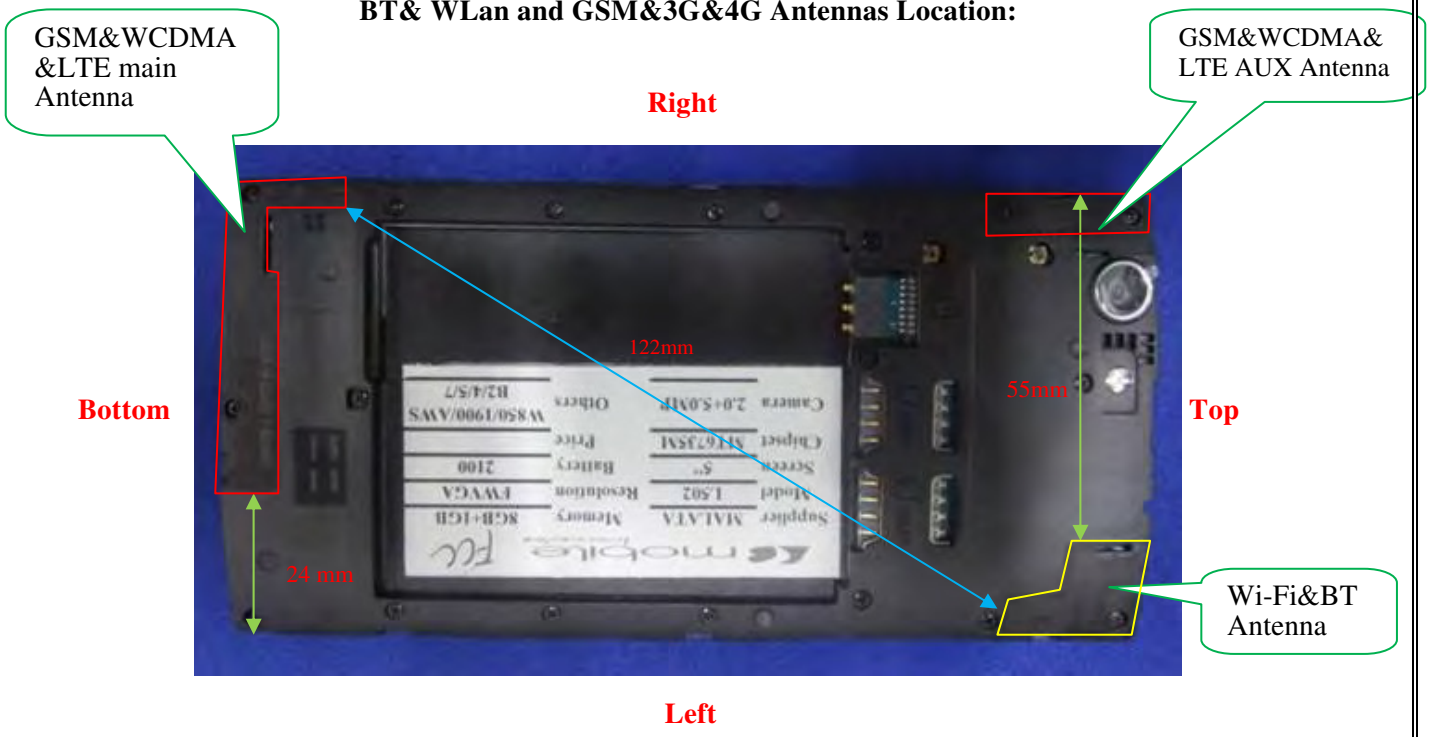
EUT Position	Frequency (MHz)	Test Mode	Power Drift (%)	Max. Meas. Power (dBm)	Max. Rated Power (dBm)	1g SAR (W/Kg)			
						Scaled Factor	Meas. SAR	Scaled SAR	Plot
Body-Back (10mm)	2510	1RB, Offset=0	/	/	/	/	/	/	/
	2535	1RB, Offset=0	/	/	/	/	/	/	/
	2560	1RB, Offset=0	0.139	22.18	22.2	1.005	0.419	**0.421**	**103#**
	2560	50%RB, Offset=0	0.093	21.61	22.2	1.146	0.329	0.377	104#
Body-Left (10mm)	2510	1RB, Offset=0	/	/	/	/	/	/	/
	2535	1RB, Offset=0	/	/	/	/	/	/	/
	2560	1RB, Offset=0	-0.088	22.18	22.2	1.005	0.104	0.105	105#
	2560	50%RB, Offset=0	0.011	21.61	22.2	1.146	0.091	0.104	106#
Body-Right (10mm)	2510	1RB, Offset=0	/	/	/	/	/	/	/
	2535	1RB, Offset=0	/	/	/	/	/	/	/
	2560	1RB, Offset=0	0.016	22.18	22.2	1.005	0.273	0.274	107#
	2560	50%RB, Offset=0	0.057	21.61	22.2	1.146	0.104	0.119	108#
Body-Bottom (10mm)	2510	1RB, Offset=0	/	/	/	/	/	/	/
	2535	1RB, Offset=0	/	/	/	/	/	/	/
	2560	1RB, Offset=0	-0.016	22.18	22.2	1.005	0.361	0.363	109#
	2560	50%RB, Offset=0	-0.077	21.61	22.2	1.146	0.341	0.391	110#

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& WLan and GSM&3G&4G Antennas Location:



Simultaneous Transmission:

Description of Simultaneous Transmit Capabilities			Antennas Distance (mm)
Transmitter Combination	Simultaneous?	Hotspot?	
GSM + WCDMA	×	×	0
GSM+LTE	×	×	0
GSM + Bluetooth	√	×	122
GSM + Wi-Fi	√	√	122
WCDMA+LTE	×	×	0
WCDMA+Bluetooth	√	×	122
WCDMA + Wi-Fi	√	√	122
LTE + Bluetooth	√	×	122
LTE + Wi-Fi	√	√	122

Note:
Hotspot mode SAR is only required for the edges within 25mm from the transmitting antenna located.

Standalone SAR test exclusion considerations

Mode	Frequency (GHz)	Test Position	Max tune up power		Distance (mm)	Calculated value	Threshold (1-g)	SAR Test Exclusion
			(dBm)	(mW)				
Bluetooth	2.480	Head	0	1.00	0	0.3	3.0	Yes
Bluetooth	2.480	Body	0	1.00	10	0.2	3.0	Yes
Wi-Fi	2.472	Head	9.80	9.55	0	3.0	3.0	Yes
Wi-Fi	2.472	Body	9.80	9.55	10	1.5	3.0	Yes

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	Frequency (GHz)	Distance (mm)	Max tune up power		Estimated $_{1\text{-g}}$ (W/kg)
			(dBm)	(mW)	
Bluetooth Head	2.480	0	0	1.00	0.042
Bluetooth Body	2.480	10	0	1.00	0.021
Wi-Fi Head	2.472	0	9.80	9.55	0.400
Wi-Fi Body	2.472	10	9.80	9.55	0.200

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
GSM850	Left Head Cheek	0.430	0.042	0.472
	Left Head Tilt	0.158	0.042	0.200
	Right Head Cheek	0.377	0.042	0.419
	Right Head Tilt	0.141	0.042	0.183
	Body–Headset-Back	0.473	0.021	0.494
PCS1900	Left Head Cheek	0.248	0.042	0.290
	Left Head Tilt	0.088	0.042	0.130
	Right Head Cheek	0.190	0.042	0.232
	Right Head Tilt	0.071	0.042	0.113
	Body–Headset-Back	0.333	0.021	0.354

WCDMA with BT:

Mode	Position	Reported SAR (W/kg)		ΣSAR
		WCDMA	BT	< 1.6W/kg
WCDMA 850	Left Head Cheek	0.116	0.042	0.158
	Left Head Tilt	0.062	0.042	0.104
	Right Head Cheek	0.093	0.042	0.135
	Right Head Tilt	0.041	0.042	0.083
WCDMA 1900	Left Head Cheek	0.841	0.042	0.883
	Left Head Tilt	0.394	0.042	0.436
	Right Head Cheek	0.881	0.042	0.923
	Right Head Tilt	0.493	0.042	0.535

LTE with BT:

Mode	Position	Reported SAR (W/kg)		ΣSAR
		LTE	BT	< 1.6W/kg
LTE Band 2	Left Head Cheek	0.410	0.042	0.452
	Left Head Tilt	0.240	0.042	0.282
	Right Head Cheek	0.602	0.042	0.644
	Right Head Tilt	0.312	0.042	0.354
LTE Band 4	Left Head Cheek	0.380	0.042	0.422
	Left Head Tilt	0.147	0.042	0.189
	Right Head Cheek	0.346	0.042	0.388
	Right Head Tilt	0.142	0.042	0.184
LTE Band 5	Left Head Cheek	0.256	0.042	0.298
	Left Head Tilt	0.110	0.042	0.152
	Right Head Cheek	0.265	0.042	0.307
	Right Head Tilt	0.117	0.042	0.159
LTE Band 7	Left Head Cheek	0.283	0.042	0.325
	Left Head Tilt	0.142	0.042	0.184
	Right Head Cheek	0.265	0.042	0.307
	Right Head Tilt	0.117	0.042	0.159

GSM with Wi-Fi:

Mode	Position	Reported SAR (W/kg)		ΣSAR
		GSM	Wi-Fi	< 1.6W/kg
GSM850	Left Head Cheek	0.430	0.400	0.830
	Left Head Tilt	0.158	0.400	0.558
	Right Head Cheek	0.377	0.400	0.777
	Right Head Tilt	0.141	0.400	0.541
	Body–Headset-Back	0.473	0.200	0.673
PCS1900	Left Head Cheek	0.248	0.400	0.648
	Left Head Tilt	0.088	0.400	0.488
	Right Head Cheek	0.190	0.400	0.590
	Right Head Tilt	0.071	0.400	0.471
	Body–Headset-Back	0.333	0.200	0.533

WCDMA with Wi-Fi:

Mode	Position	Reported SAR (W/kg)		ΣSAR
		WCDMA	Wi-Fi	< 1.6W/kg
WCDMA 850	Left Head Cheek	0.116	0.400	0.516
	Left Head Tilt	0.062	0.400	0.462
	Right Head Cheek	0.093	0.400	0.493
	Right Head Tilt	0.041	0.400	0.441
WCDMA 1900	Left Head Cheek	0.841	0.400	1.241
	Left Head Tilt	0.394	0.400	0.794
	Right Head Cheek	0.881	0.400	**1.281**
	Right Head Tilt	0.493	0.400	0.893

LTE with Wi-Fi:

Mode	Position	Reported SAR (W/kg)		ΣSAR
		LTE	Wi-Fi	< 1.6W/kg
LTE Band 2	Left Head Cheek	0.410	0.400	0.810
	Left Head Tilt	0.240	0.400	0.640
	Right Head Cheek	0.602	0.400	1.002
	Right Head Tilt	0.312	0.400	0.712
LTE Band 4	Left Head Cheek	0.380	0.400	0.780
	Left Head Tilt	0.147	0.400	0.547
	Right Head Cheek	0.346	0.400	0.746
	Right Head Tilt	0.142	0.400	0.542
LTE Band 5	Left Head Cheek	0.256	0.400	0.656
	Left Head Tilt	0.110	0.400	0.510
	Right Head Cheek	0.265	0.400	0.665
	Right Head Tilt	0.117	0.400	0.517
LTE Band 7	Left Head Cheek	0.283	0.400	0.683
	Left Head Tilt	0.142	0.400	0.542
	Right Head Cheek	0.265	0.400	0.665
	Right Head Tilt	0.117	0.400	0.517

Evaluations for Simultaneous SAR, BT+GSM/3G					
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	0.879	0.325	0.289	0.278	/
GPRS 1900	0.419	0.157	0.171	0.260	/
WCDMA 850	0.436	0.172	0.226	0.171	/
WCDMA 1900	1.025	0.129	0.189	0.358	/
LTE Band 2	0.744	0.234	0.279	0.418	/
LTE Band 4	0.618	0.151	0.192	0.332	/
LTE Band 5	0.446	0.129	0.142	0.123	/
LTE Band 7	0.421	0.105	0.274	0.391	/
BT	0.021	0.021	0.021	0.021	0.021
	∑ 1-g SAR(W/Kg)				
GPRS850 + BT	0.900	0.346	0.310	0.299	/
GPRS1900 + BT	0.440	0.178	0.192	0.281	/
WCDMA 850 + BT	0.457	0.193	0.247	0.192	/
WCDMA 1900 + BT	1.046	0.150	0.210	0.379	/
LTE Band 2 + BT	0.765	0.255	0.300	0.439	/
LTE Band 4 + BT	0.639	0.172	0.213	0.353	/
LTE Band 5 + BT	0.467	0.150	0.163	0.144	/
LTE Band 7 + BT	0.442	0.126	0.295	0.412	/

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	0.879	0.325	0.289	0.278	/
GPRS 1900	0.419	0.157	0.171	0.260	/
WCDMA 850	0.436	0.172	0.226	0.171	/
WCDMA 1900	1.025	0.129	0.189	0.358	/
LTE Band 2	0.744	0.234	0.279	0.418	/
LTE Band 4	0.618	0.151	0.192	0.332	/
LTE Band 5	0.446	0.129	0.142	0.123	/
LTE Band 7	0.421	0.105	0.274	0.391	
Wi-Fi	0.200	0.200	0.200	0.200	0.200
	∑ 1-g SAR(W/Kg)				
GPRS850 + Wi-Fi	1.079	0.525	0.489	0.478	/
GPRS1900 + Wi-Fi	0.619	0.357	0.371	0.460	/
WCDMA 850 + Wi-Fi	0.636	0.372	0.426	0.371	/
WCDMA 1900 + Wi-Fi	**1.225**	0.329	0.389	0.558	/
LTE Band 2 + Wi-Fi	0.944	0.434	0.479	0.618	/
LTE Band 4 + Wi-Fi	0.818	0.351	0.392	0.532	/
LTE Band 5 + Wi-Fi	0.646	0.329	0.342	0.323	/
LTE Band 7 + Wi-Fi	0.621	0.305	0.474	0.591	

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 Labs Corp.(Shenzhen)

Test Plot 1#: GSM 850 Left Cheek Low Channel

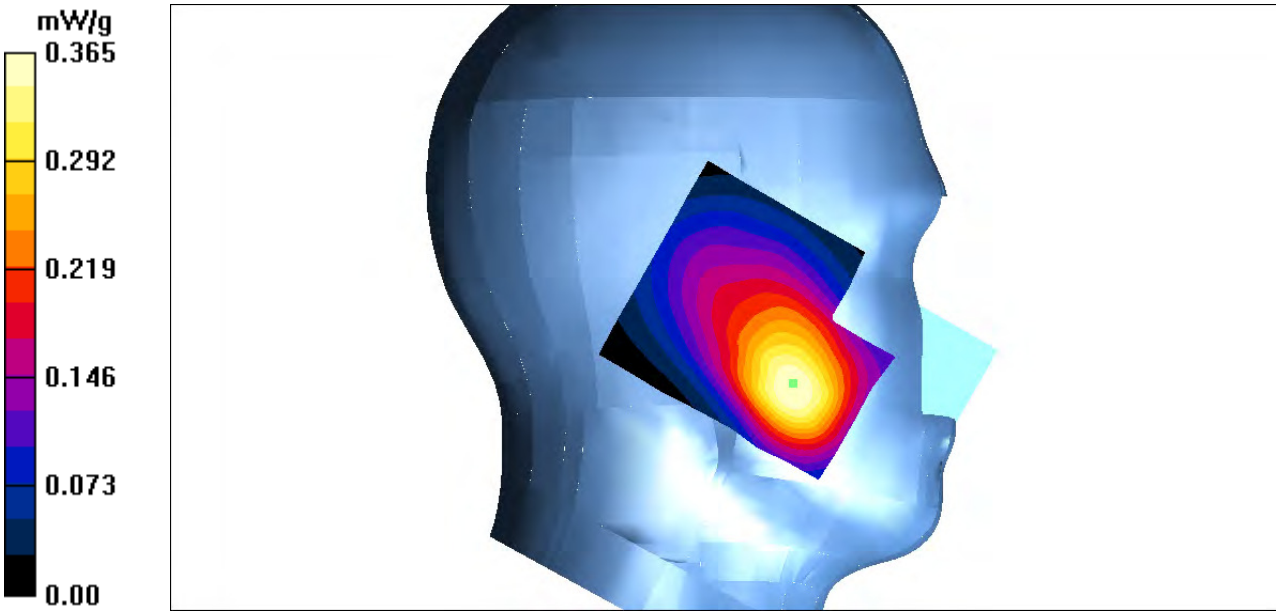
DUT: Mobile Phone ; Model: AX1055

Communication System: 2G Band; Frequency: 824.2 MHz;Duty Cycle: 1:8
Medium parameters used: f = 824.2 MHz; σ = 0.90 S/m; εr = 40.59; ρ = 1000 kg/m^3
Phantom section: Left Section

DASY4 Configuration:
- Probe: ES3DV3 - SN3036; ConvF(6.26, 6.26, 6.26); Calibrated: 16/9/2016
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: Dummy DAE - SN:456; Calibrated: 12/9/2016
- Phantom: TWIN SAM; Type: QD000P40CA; Serial: TP-1218
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

GSM 850-left-cheek-low /Area Scan (91x121x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.365 mW/g

GSM 850-left-cheek-low /Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 8.80 V/m; Power Drift = 0.054 dB
Peak SAR (extrapolated) = 0.459 W/kg
SAR(1 g) = 0.350 mW/g; SAR(10 g) = 0.252mW/g
Maximum value of SAR (measured) = 0.371 mW/g



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

Test Plot 2#:GSM 850 Left Cheek Middle Channel

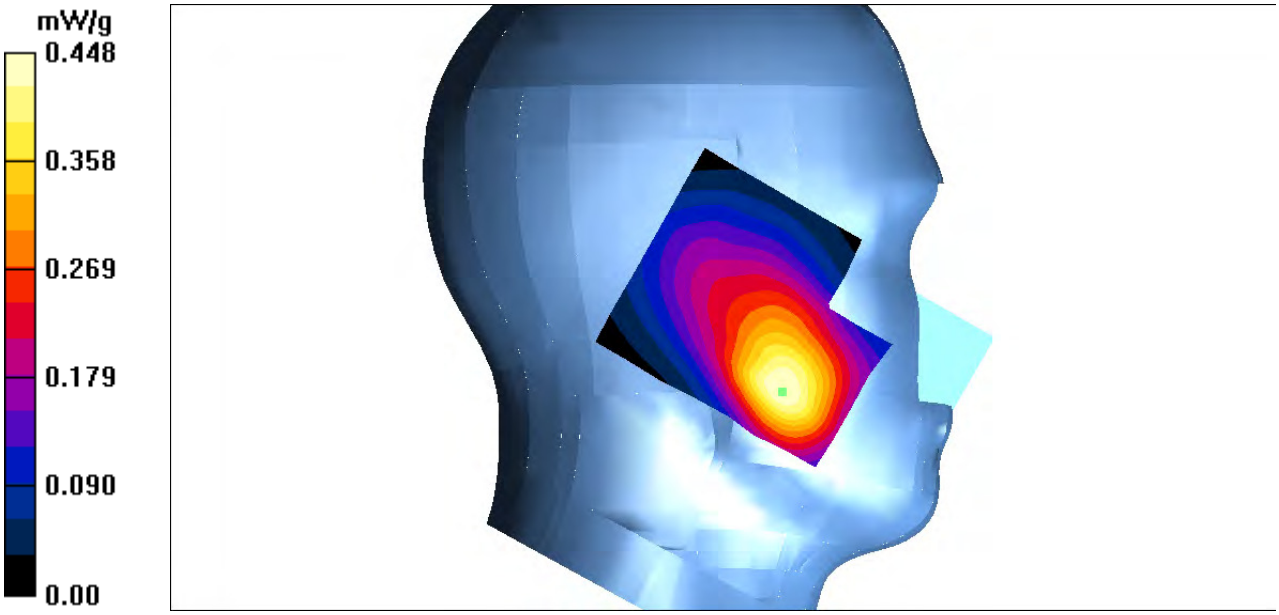
DUT: Mobile Phone ; Model: AX1055

Communication System: 2G Band; Frequency: 836.6 MHz;Duty Cycle: 1:8
Medium parameters used: f = 836.6 MHz; σ = 0.90 S/m; εr = 39.95; ρ = 1000 kg/m^3
Phantom section: Left Section

DASY4 Configuration:
- Probe: ES3DV3 - SN3036; ConvF(6.26, 6.26, 6.26); Calibrated: 16/9/2016
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: Dummy DAE - SN:456; Calibrated: 12/9/2016
- Phantom: TWIN SAM; Type: QD000P40CA; Serial: TP-1218
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

GSM 850-left-cheek-mid /Area Scan (91x121x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.448 mW/g

GSM 850-left-cheek-mid /Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 10.4 V/m; Power Drift = 0.110 dB
Peak SAR (extrapolated) = 0.535 W/kg
SAR(1 g) = 0.414 mW/g; SAR(10 g) = 0.303 mW/g
Maximum value of SAR (measured) = 0.429 mW/g



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

Test Plot 3#:GSM 850 Left Cheek High Channel

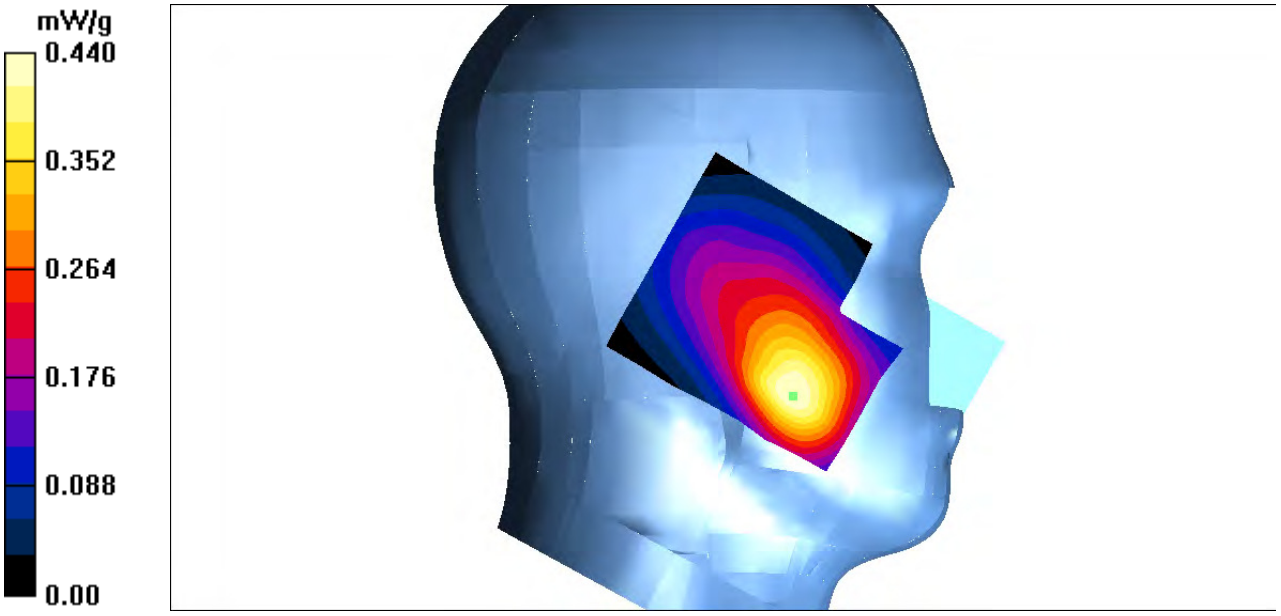
DUT: Mobile Phone ; Model: AX1055

Communication System: 2G Band; Frequency: 848.8 MHz;Duty Cycle: 1:8
Medium parameters used: f = 848.8 MHz; σ = 0.92 S/m; εr = 40.12; ρ = 1000 kg/m^3
Phantom section: Left Section

DASY4 Configuration:
- Probe: ES3DV3 - SN3036; ConvF(6.26, 6.26, 6.26); Calibrated: 16/9/2016
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: Dummy DAE - SN:456; Calibrated: 12/9/2016
- Phantom: TWIN SAM; Type: QD000P40CA; Serial: TP-1218
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

GSM 850-left-cheek-high /Area Scan (91x121x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.440 mW/g

GSM 850-left-cheek-high /Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 10.4 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 0.531 W/kg
SAR(1 g) = 0.409 mW/g; SAR(10 g) = 0.298 mW/g
Maximum value of SAR (measured) = 0.426 mW/g



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

Test Plot 4#:GSM 850 Left Tilt Middle Channel

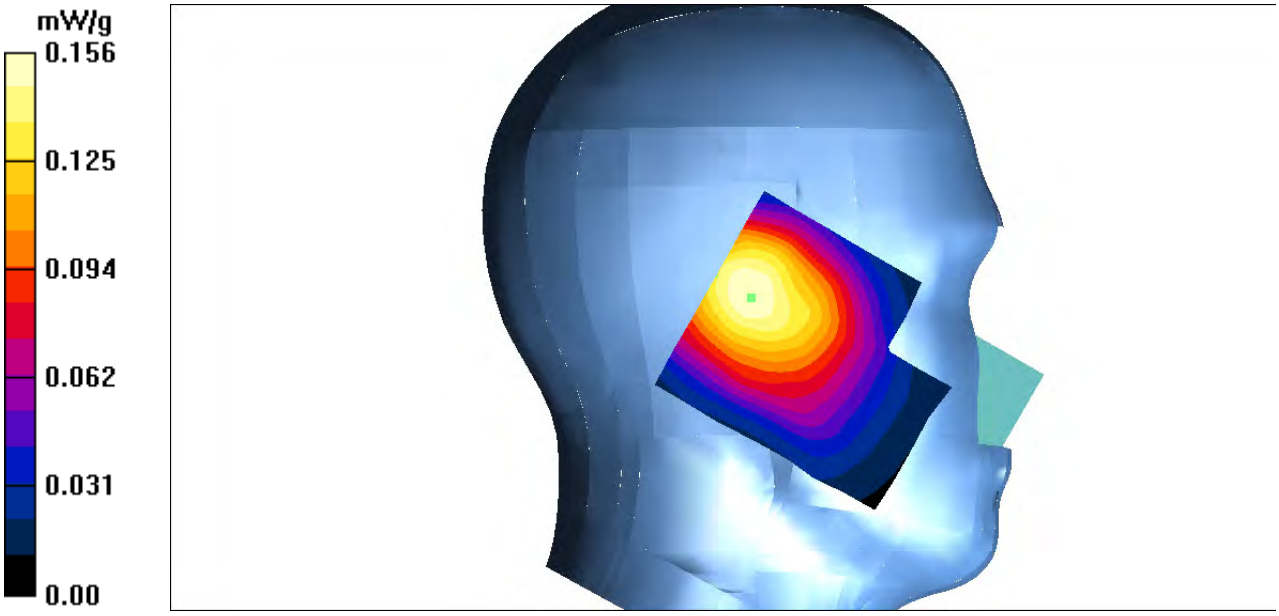
DUT: Mobile Phone ; Model: AX1055

Communication System: 2G Band; Frequency: 836.6 MHz;Duty Cycle: 1:8
Medium parameters used: f = 836.6 MHz; σ = 0.90 S/m; εr = 39.95; ρ = 1000 kg/m^3
Phantom section: Left Section

DASY4 Configuration:
- Probe: ES3DV3 - SN3036; ConvF(6.26, 6.26, 6.26); Calibrated: 16/9/2016
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: Dummy DAE - SN:456; Calibrated: 12/9/2016
- Phantom: TWIN SAM; Type: QD000P40CA; Serial: TP-1218
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

GSM 850-left-tilt-mid /Area Scan (91x121x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.156 mW/g

GSM 850-left-tilt-mid /Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 11.8 V/m; Power Drift = 0.040 dB
Peak SAR (extrapolated) = 0.179 W/kg
SAR(1 g) = 0.152 mW/g; SAR(10 g) = 0.122 mW/g
Maximum value of SAR (measured) = 0.156 mW/g



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

Test Plot 5#:GSM 850 Right Cheek Middle Channel

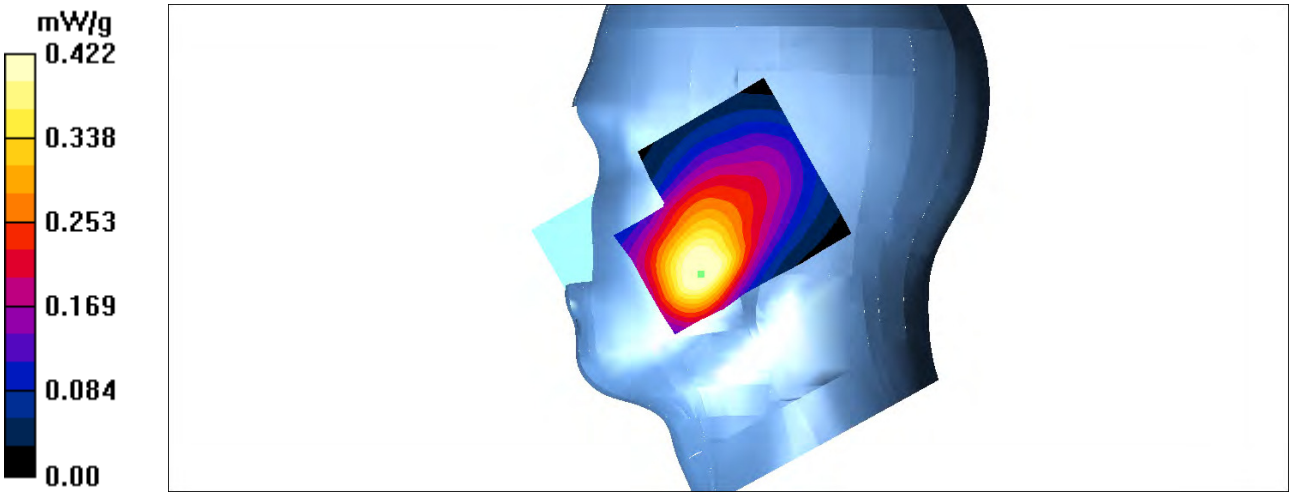
DUT: Mobile Phone ; Model: AX1055

Communication System: 2G Band; Frequency: 836.6 MHz;Duty Cycle: 1:8
Medium parameters used: f = 836.6 MHz; σ = 0.90 S/m; εr = 39.95; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY4 Configuration:
- Probe: ES3DV3 - SN3036; ConvF(6.26, 6.26, 6.26); Calibrated: 16/9/2016
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: Dummy DAE - SN:456; Calibrated: 12/9/2016
- Phantom: TWIN SAM; Type: QD000P40CA; Serial: TP-1218
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

GSM 850-right-cheek-mid /Area Scan (91x121x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.422 mW/g

GSM 850-right-cheek-mid /Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 11.8 V/m; Power Drift = -0.077 dB
Peak SAR (extrapolated) = 0.544 W/kg
SAR(1 g) = 0.363 mW/g; SAR(10 g) = 0.253 mW/g
Maximum value of SAR (measured) = 0.413 mW/g



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

Test Plot 6#:GSM 850 Right Tilt Middle Channel

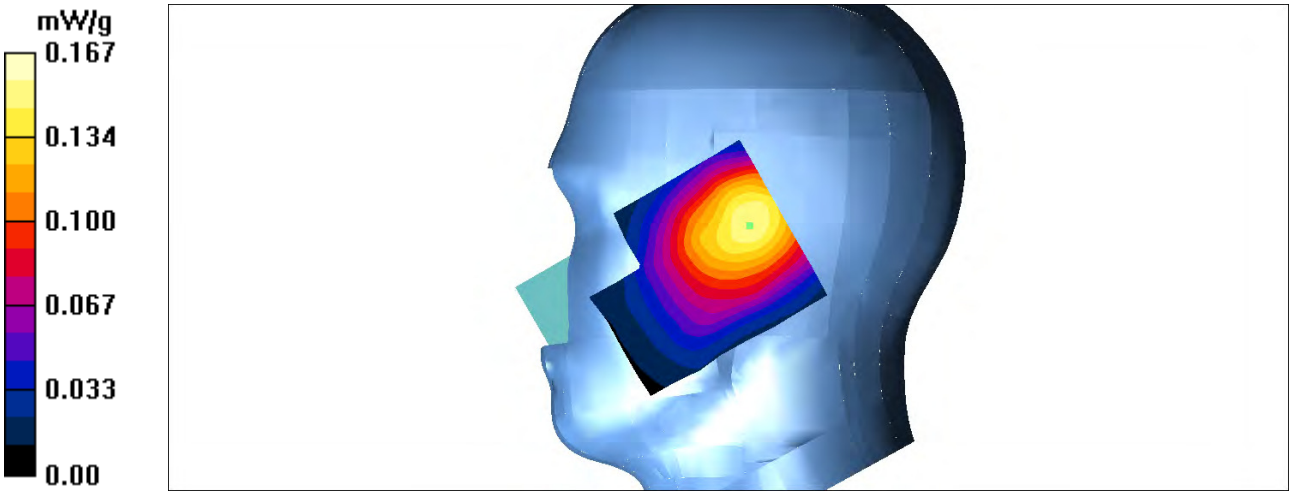
DUT: Mobile Phone ; Model: AX1055

Communication System: 2G Band; Frequency: 836.6 MHz;Duty Cycle: 1:8
Medium parameters used: f = 836.6 MHz; σ = 0.90 S/m; εr = 39.95; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY4 Configuration:
- Probe: ES3DV3 - SN3036; ConvF(6.26, 6.26, 6.26); Calibrated: 16/9/2016
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: Dummy DAE - SN:456; Calibrated: 12/9/2016
- Phantom: TWIN SAM; Type: QD000P40CA; Serial: TP-1218
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

GSM 850-right-tilt-mid /Area Scan (91x121x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.167 mW/g

GSM 850-right-tilt-mid /Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 9.88 V/m; Power Drift = -0.035 dB
Peak SAR (extrapolated) = 0.218 W/kg
SAR(1 g) = 0.136 mW/g; SAR(10 g) = 0.087 mW/g
Maximum value of SAR (measured) = 0.158 mW/g



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

Test Plot 7#:PCS 1900 Left Cheek Low Channel

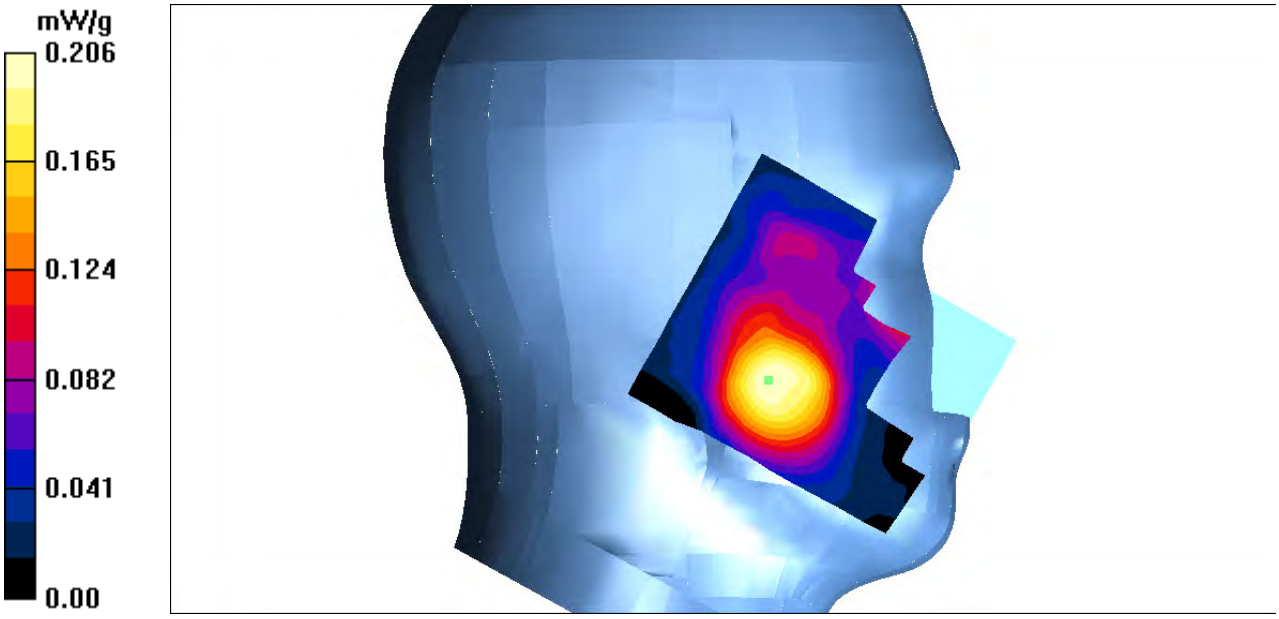
DUT: Mobile Phone ; Model: AX1055

Communication System: 2G Band; Frequency: 1850.2 MHz;Duty Cycle: 1:8
Medium parameters used: f = 1850.2 MHz; σ = 1.39 S/m; εr = 39.17; ρ = 1000 kg/m^3
Phantom section: Left Section

DASY4 Configuration:
- Probe: ES3DV3 - SN3036; ConvF(5.12, 5.12, 5.12); Calibrated: 16/9/2016
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: Dummy DAE - SN:456; Calibrated: 12/9/2016
- Phantom: TWIN SAM; Type: QD000P40CA; Serial: TP-1218
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

PCS 1900-left-cheek-low /Area Scan (101x121x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.206 mW/g

PCS 1900-left-cheek-low /Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 3.76 V/m; Power Drift = 0.199 dB
Peak SAR (extrapolated) = 0.303 W/kg
SAR(1 g) = 0.191 mW/g; SAR(10 g) = 0.120 mW/g
Maximum value of SAR (measured) = 0.206 mW/g



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

Test Plot 8#:PCS 1900 Left Cheek Middle Channel

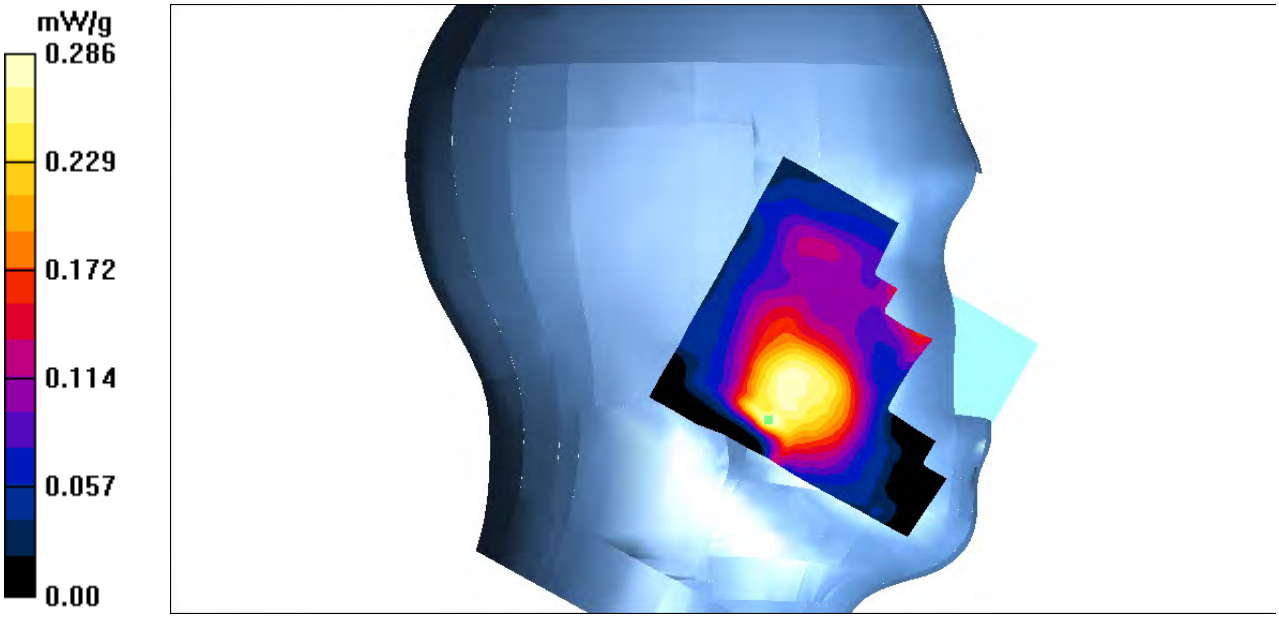
DUT: Mobile Phone ; Model: AX1055

Communication System: 2G Band; Frequency: 1880.0 MHz;Duty Cycle: 1:8
Medium parameters used: f = 1880.0 MHz; σ = 1.35 S/m; εr = 38.77; ρ = 1000 kg/m^3
Phantom section: Left Section

DASY4 Configuration:
- Probe: ES3DV3 - SN3036; ConvF(5.12, 5.12, 5.12); Calibrated: 16/9/2016
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: Dummy DAE - SN:456; Calibrated: 12/9/2016
- Phantom: TWIN SAM; Type: QD000P40CA; Serial: TP-1218
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

PCS 1900-left-cheek-mid /Area Scan (101x121x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.286 mW/g

PCS 1900-left-cheek-mid /Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 4.56 V/m; Power Drift = -0.079 dB
Peak SAR (extrapolated) = 0.423 W/kg
SAR(1 g) = 0.231 mW/g; SAR(10 g) = 0.170 mW/g
Maximum value of SAR (measured) = 0.267 mW/g



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

Test Plot 9#:PCS 1900 Left Cheek High Channel

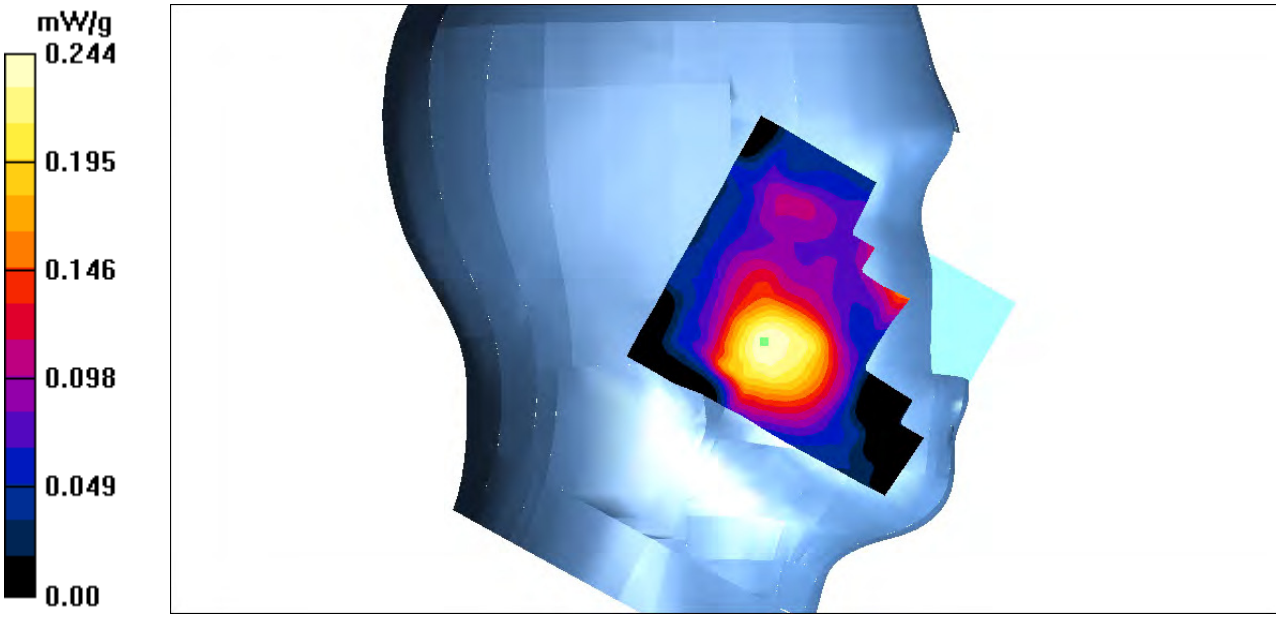
DUT: Mobile Phone ; Model: AX1055

Communication System: 2G Band; Frequency: 1909.8 MHz;Duty Cycle: 1:8
Medium parameters used: f = 1909.8 MHz; σ = 1.38 S/m; εr = 38.92; ρ = 1000 kg/m^3
Phantom section: Left Section

DASY4 Configuration:
- Probe: ES3DV3 - SN3036; ConvF(5.12, 5.12, 5.12); Calibrated: 16/9/2016
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: Dummy DAE - SN:456; Calibrated: 12/9/2016
- Phantom: TWIN SAM; Type: QD000P40CA; Serial: TP-1218
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

PCS 1900-left-cheek-high /Area Scan (101x121x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.244 mW/g

PCS 1900-left-cheek-high /Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 4.16 V/m; Power Drift = 0.025 dB
Peak SAR (extrapolated) = 0.396 W/kg
SAR(1 g) = 0.216 mW/g; SAR(10 g) = 0.152 mW/g
Maximum value of SAR (measured) = 0.241 mW/g



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

Test Plot 10#:PCS 1900 Left Tilt Middle Channel

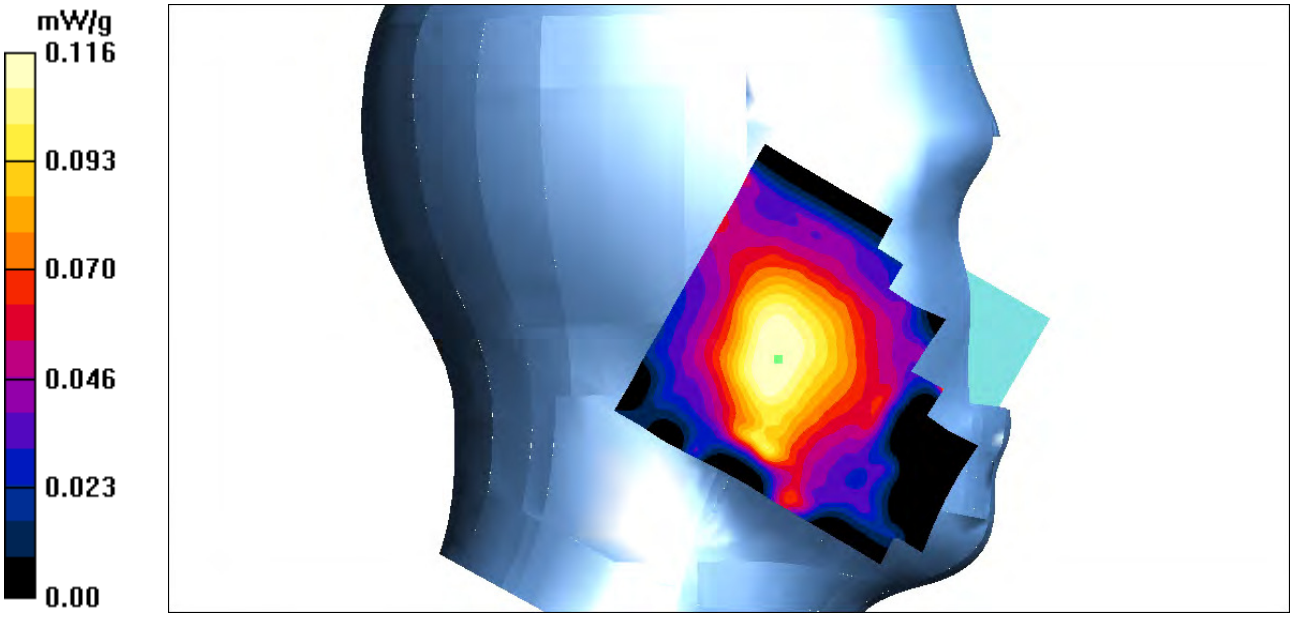
DUT: Mobile Phone ; Model: AX1055

Communication System: 2G Band; Frequency: 1880.0 MHz;Duty Cycle: 1:8
Medium parameters used: f = 1880.0 MHz; σ = 1.35 S/m; εr = 38.77; ρ = 1000 kg/m^3
Phantom section: Left Section

DASY4 Configuration:
- Probe: ES3DV3 - SN3036; ConvF(5.12, 5.12, 5.12); Calibrated: 16/9/2016
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: Dummy DAE - SN:456; Calibrated: 12/9/2016
- Phantom: TWIN SAM; Type: QD000P40CA; Serial: TP-1218
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

PCS 1900-right-tilt-mid /Area Scan (91x121x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.116 mW/g

PCS 1900-right-tilt-mid /Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 7.82 V/m; Power Drift = -0.058 dB
Peak SAR (extrapolated) = 0.218 W/kg
SAR(1 g) = 0.082 mW/g; SAR(10 g) = 0.046 mW/g
Maximum value of SAR (measured) = 0.115 mW/g



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

Test Plot 11#:PCS 1900 Right Cheek Middle Channel

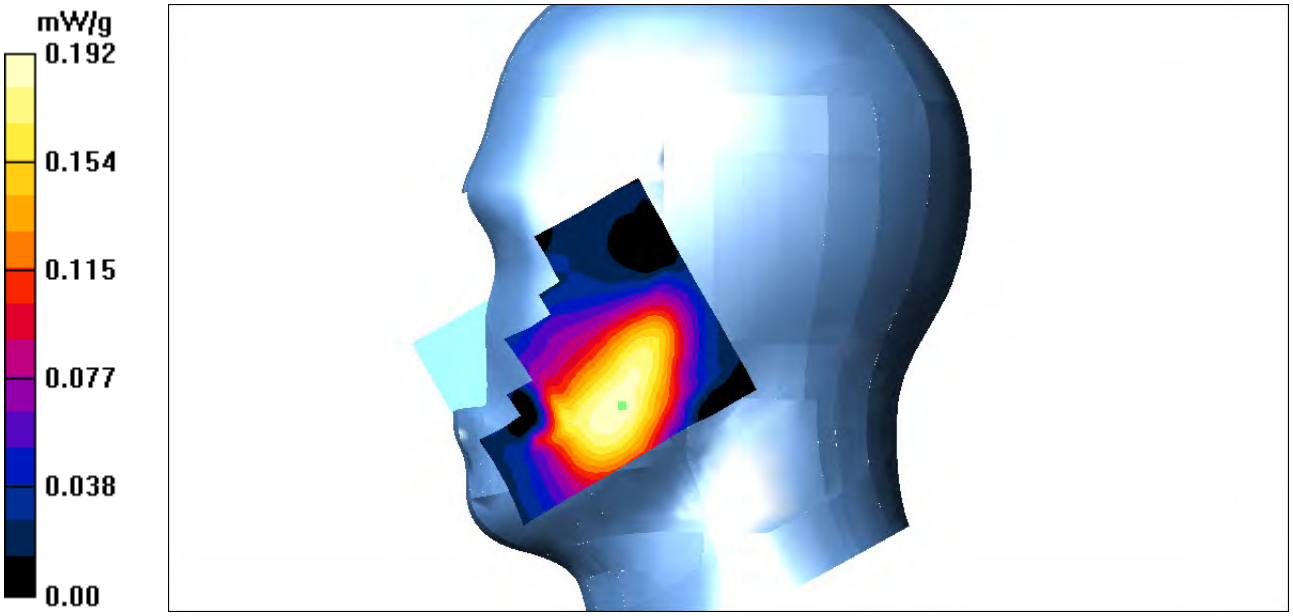
DUT: Mobile Phone ; Model: AX1055

Communication System: 2G Band; Frequency: 1880.0 MHz;Duty Cycle: 1:8
Medium parameters used: f = 1880.0 MHz; σ = 1.35 S/m; εr = 38.77; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY4 Configuration:
- Probe: ES3DV3 - SN3036; ConvF(5.12, 5.12, 5.12); Calibrated: 16/9/2016
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: Dummy DAE - SN:456; Calibrated: 12/9/2016
- Phantom: TWIN SAM; Type: QD000P40CA; Serial: TP-1218
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

PCS 1900-right-cheek-mid /Area Scan (101x121x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.192 mW/g

PCS 1900-right-cheek-mid /Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 3.58 V/m; Power Drift = -0.031 dB
Peak SAR (extrapolated) = 0.276 W/kg
SAR(1 g) = 0.177 mW/g; SAR(10 g) = 0.115 mW/g
Maximum value of SAR (measured) = 0.190 mW/g



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

Test Plot 12#:PCS 1900 Right Tilt Middle Channel

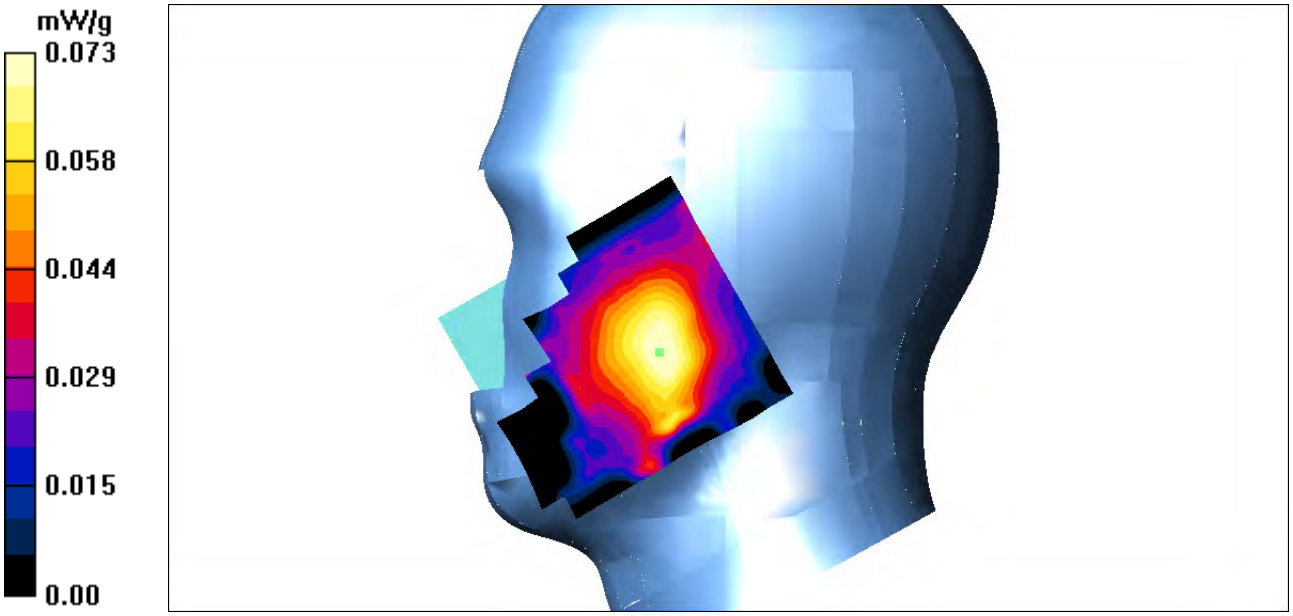
DUT: Mobile Phone ; Model: AX1055

Communication System: 2G Band; Frequency: 1880.0 MHz;Duty Cycle: 1:8
Medium parameters used: f = 1880.0 MHz; σ = 1.35 S/m; εr = 38.77; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY4 Configuration:
- Probe: ES3DV3 - SN3036; ConvF(5.12, 5.12, 5.12); Calibrated: 16/9/2016
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: Dummy DAE - SN:456; Calibrated: 12/9/2016
- Phantom: TWIN SAM; Type: QD000P40CA; Serial: TP-1218
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

PCS 1900-right-tilt-mid /Area Scan (91x121x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.073 mW/g

PCS 1900-right-tilt-mid /Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 6.02 V/m; Power Drift = -0.118 dB
Peak SAR (extrapolated) = 0.198 W/kg
SAR(1 g) = 0.066 mW/g; SAR(10 g) = 0.035 mW/g
Maximum value of SAR (measured) = 0.072 mW/g



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

Test Plot 13#:WCDMA 850 Left Cheek Middle Channel

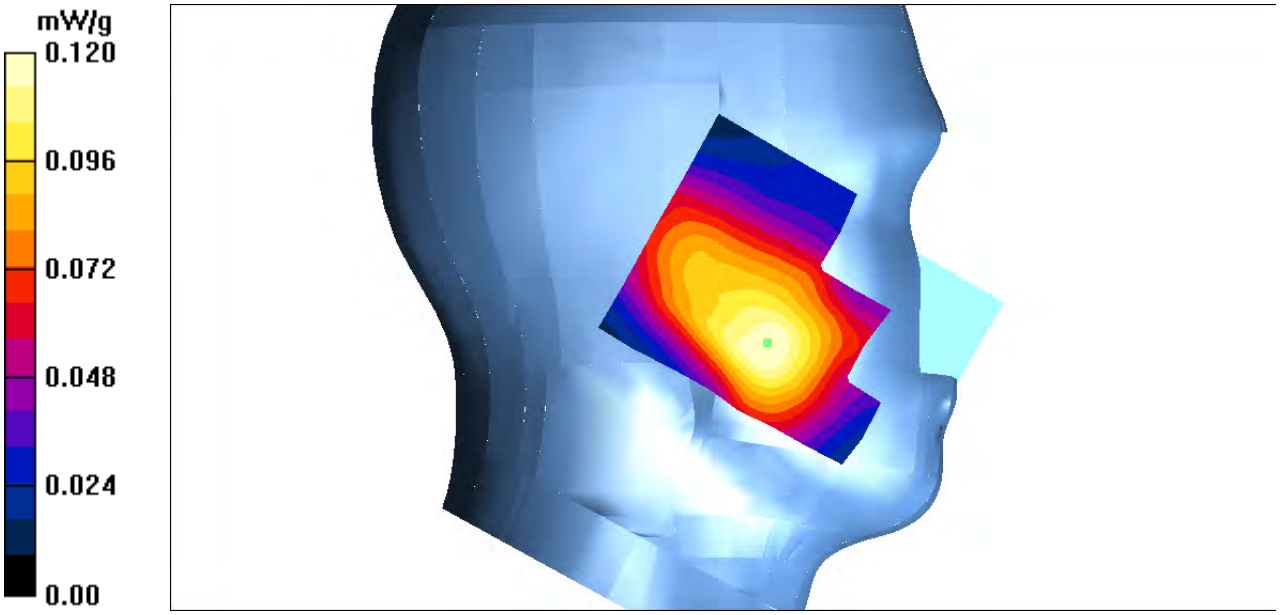
DUT: Mobile Phone ; Model: AX1055

Communication System: 3G Band; Frequency: 836.6 MHz;Duty Cycle: 1:1
Medium parameters used: f = 836.6 MHz; σ = 0.90 S/m; εr = 39.95; ρ = 1000 kg/m^3
Phantom section: Left Section

DASY4 Configuration:
- Probe: ES3DV3 - SN3036; ConvF(6.26, 6.26, 6.26); Calibrated: 16/9/2016
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: Dummy DAE - SN:456; Calibrated: 12/9/2016
- Phantom: TWIN SAM; Type: QD000P40CA; Serial: TP-1218
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

WCDMA 850-left-cheek-mid /Area Scan (91x121x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.120 mW/g

WCDMA 850-left-cheek-mid /Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 6.27 V/m; Power Drift = 0.072 dB
Peak SAR (extrapolated) = 0.153 W/kg
SAR(1 g) = 0.113 mW/g; SAR(10 g) = 0.073 mW/g
Maximum value of SAR (measured) = 0.116 mW/g



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

Test Plot 14#: WCDMA 850 Left Tilt Middle Channel

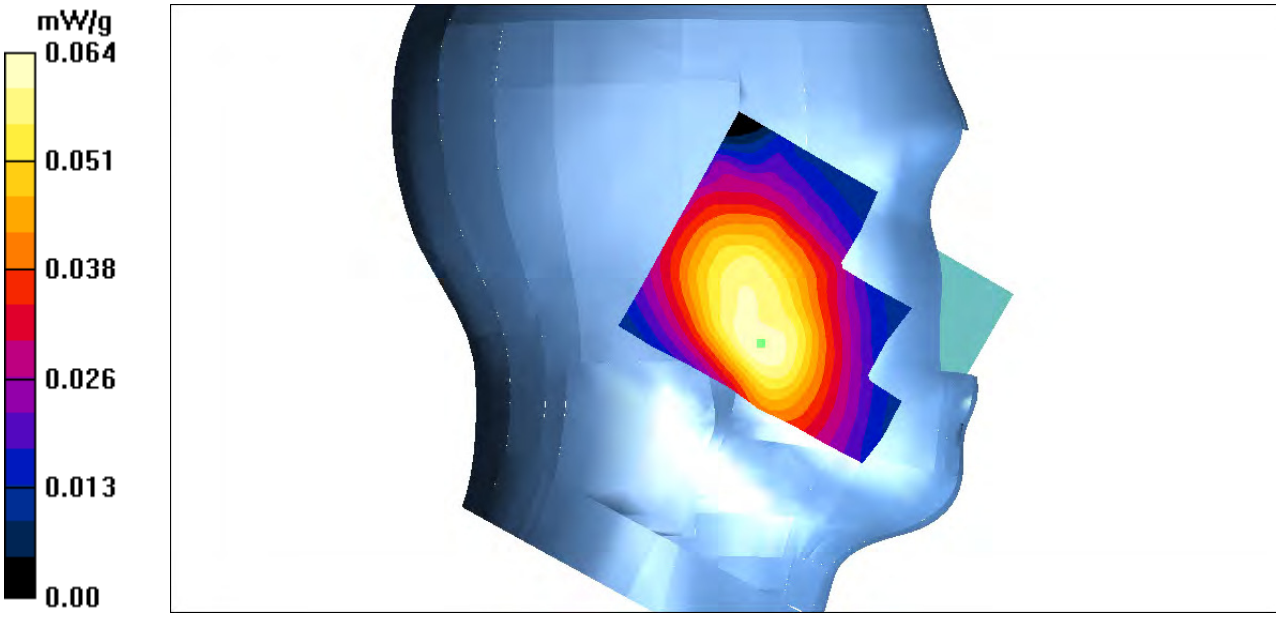
DUT: Mobile Phone; Model: AX1055

Communication System: 3G Band; Frequency: 836.6 MHz;Duty Cycle: 1:1
Medium parameters used: f = 836.6 MHz; σ = 0.90 S/m; εr = 39.95; ρ = 1000 kg/m^3
Phantom section: Left Section

DASY4 Configuration:
- Probe: ES3DV3 - SN3036; ConvF(6.26, 6.26, 6.26); Calibrated: 16/9/2016
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: Dummy DAE - SN:456; Calibrated: 12/9/2016
- Phantom: TWIN SAM; Type: QD000P40CA; Serial: TP-1218
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

WCDMA 850-left-tilt-mid /Area Scan (91x121x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.064 mW/g

WCDMA 850-left-tilt-mid /Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 3.87 V/m; Power Drift = 0.021 dB
Peak SAR (extrapolated) = 0.086 W/kg
SAR(1 g) = 0.061 mW/g; SAR(10 g) = 0.043 mW/g
Maximum value of SAR (measured) = 0.062 mW/g



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

Test Plot 15#:WCDMA 850 Right Cheek Middle Channel

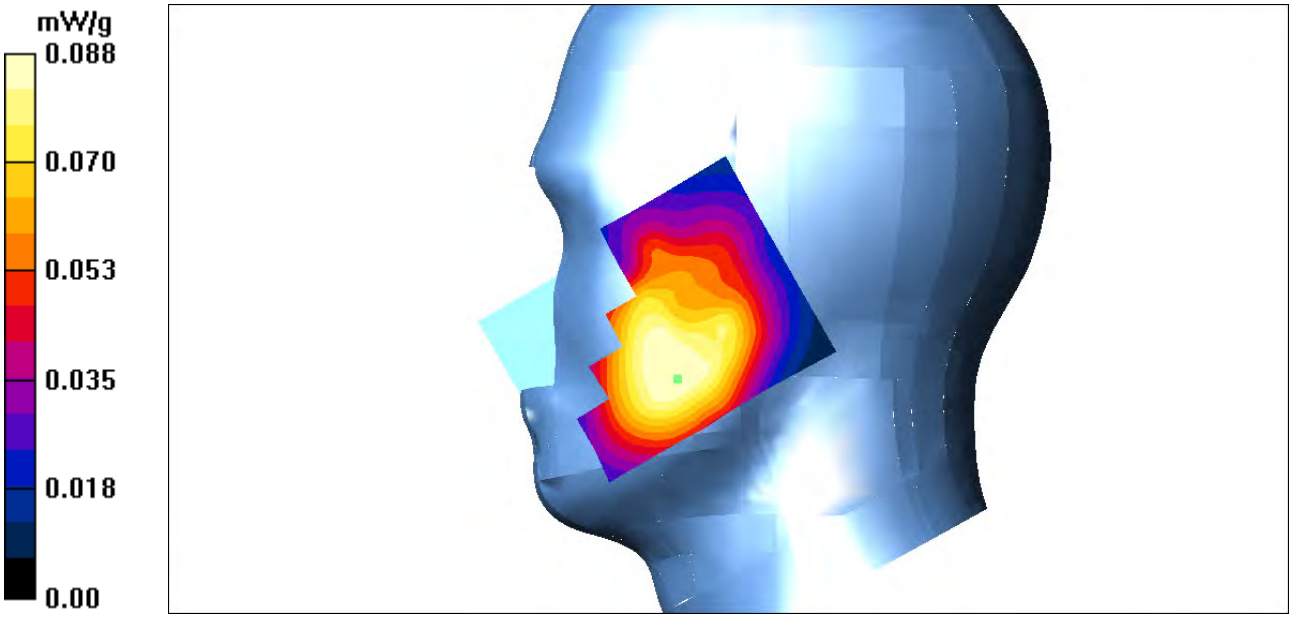
DUT: Mobile Phone ; Model: AX1055

Communication System: 3G Band; Frequency: 836.6 MHz;Duty Cycle: 1:1
Medium parameters used: f = 836.6 MHz; σ = 0.90 S/m; εr = 39.95; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY4 Configuration:
- Probe: ES3DV3 - SN3036; ConvF(6.26, 6.26, 6.26); Calibrated: 16/9/2016
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: Dummy DAE - SN:456; Calibrated: 12/9/2016
- Phantom: TWIN SAM; Type: QD000P40CA; Serial: TP-1218
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

WCDMA 850-right-cheek-mid /Area Scan (91x121x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.088 mW/g

WCDMA 850-right-cheek-mid /Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 2.54 V/m; Power Drift = 0.096 dB
Peak SAR (extrapolated) = 0.124 W/kg
SAR(1 g) = 0.091 mW/g; SAR(10 g) = 0.062 mW/g
Maximum value of SAR (measured) = 0.095 mW/g



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

Test Plot 16#:WCDMA 850 Right Tilt Middle Channel

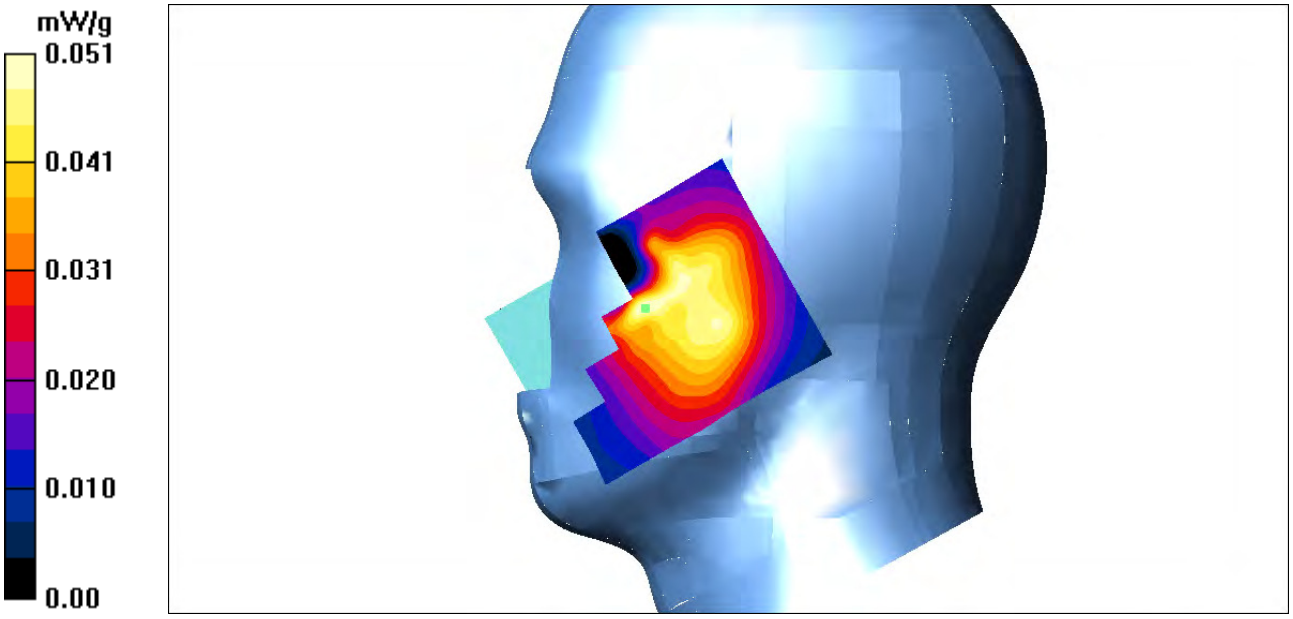
DUT: Mobile Phone ; Model: AX1055

Communication System: 3G Band; Frequency: 836.6 MHz;Duty Cycle: 1:1
Medium parameters used: f = 836.6 MHz; σ = 0.90 S/m; εr = 39.95; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY4 Configuration:
- Probe: ES3DV3 - SN3036; ConvF(6.26, 6.26, 6.26); Calibrated: 16/9/2016
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: Dummy DAE - SN:456; Calibrated: 12/9/2016
- Phantom: TWIN SAM; Type: QD000P40CA; Serial: TP-1218
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

WCDMA 850-right-tilt-mid /Area Scan (91x121x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.051 mW/g

WCDMA 850-right-tilt-mid /Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 2.71 V/m; Power Drift = -0.029 dB
Peak SAR (extrapolated) = 0.072 W/kg
SAR(1 g) = 0.040 mW/g; SAR(10 g) = 0.029 mW/g
Maximum value of SAR (measured) = 0.046 mW/g



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

Test Plot 17#:WCDMA 1900 Left Cheek Low Channel

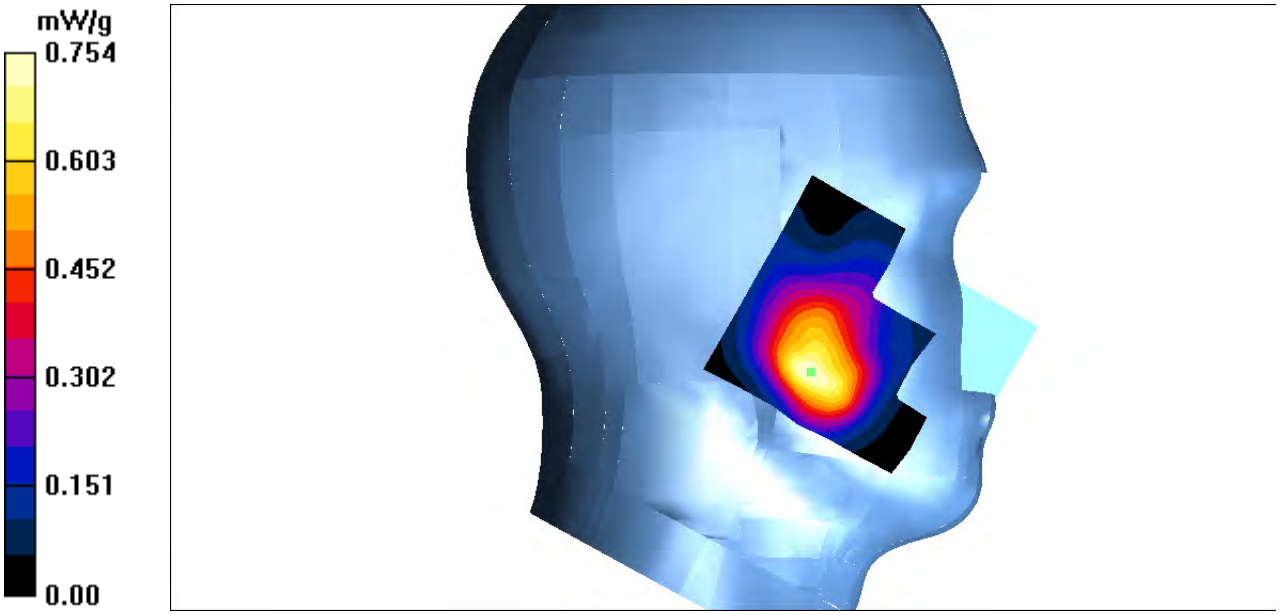
DUT: Mobile Phone ; Model: AX1055

Communication System: 3G Band; Frequency: 1852.4 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1852.4 MHz; σ = 1.41 S/m; εr = 38.63; ρ = 1000 kg/m^3
Phantom section: Left Section

DASY4 Configuration:
- Probe: ES3DV3 - SN3036; ConvF(5.12, 5.12, 5.12); Calibrated: 16/9/2016
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: Dummy DAE - SN:456; Calibrated: 12/9/2016
- Phantom: TWIN SAM; Type: QD000P40CA; Serial: TP-1218
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

WCDMA 1900-left-cheek-low /Area Scan (91x121x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.754 mW/g

WCDMA 1900-left-cheek-low /Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 8.85 V/m; Power Drift = 0.166 dB
Peak SAR (extrapolated) = 1.14 W/kg
SAR(1 g) = 0.657 mW/g; SAR(10 g) = 0.382 mW/g
Maximum value of SAR (measured) = 0.708 mW/g



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

Test Plot 18#:WCDMA 1900 Left Cheek Middle Channel

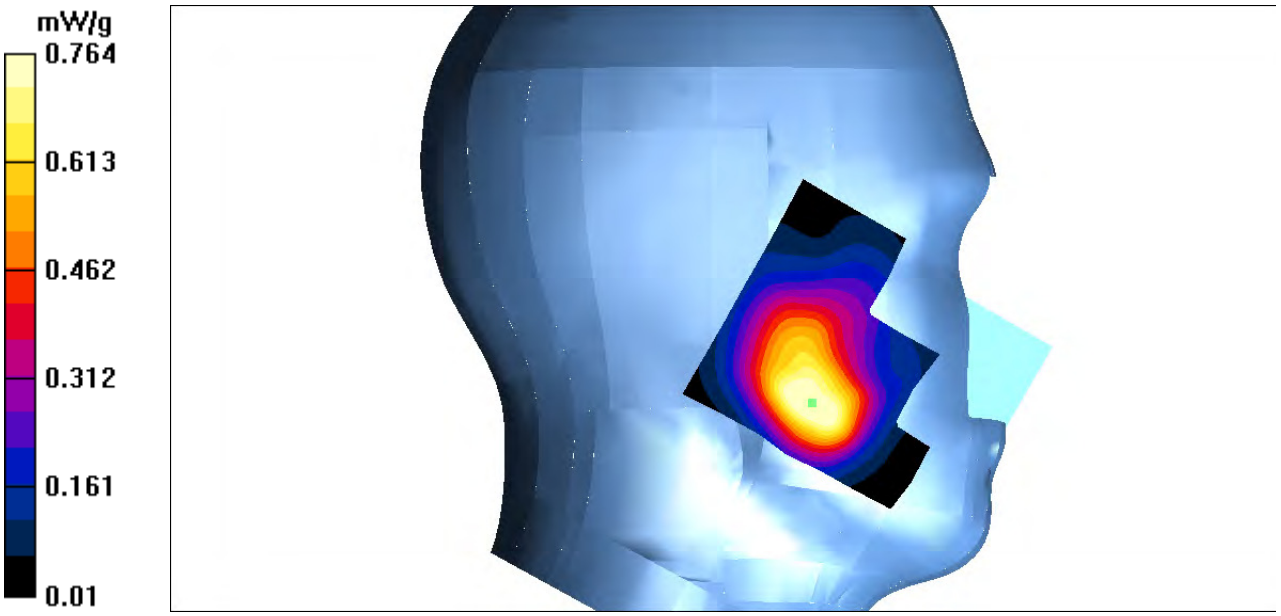
DUT: Mobile Phone ; Model: AX1055

Communication System: 3G Band; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1880 MHz; σ = 1.35 S/m; εr = 38.77; ρ = 1000 kg/m^3
Phantom section: Left Section

DASY4 Configuration:
- Probe: ES3DV3 - SN3036; ConvF(5.12, 5.12, 5.12); Calibrated: 16/9/2016
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: Dummy DAE - SN:456; Calibrated: 12/9/2016
- Phantom: TWIN SAM; Type: QD000P40CA; Serial: TP-1218
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

WCDMA 1900-left-cheek-mid /Area Scan (91x121x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.829 mW/g

WCDMA 1900-left-cheek-mid /Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 9.03 V/m; Power Drift = -0.062 dB
Peak SAR (extrapolated) = 1.43 W/kg
SAR(1 g) = 0.731 mW/g; SAR(10 g) = 0.406 mW/g
Maximum value of SAR (measured) = 0.764 mW/g



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

Test Plot 19#:WCDMA 1900 Left Cheek High Channel

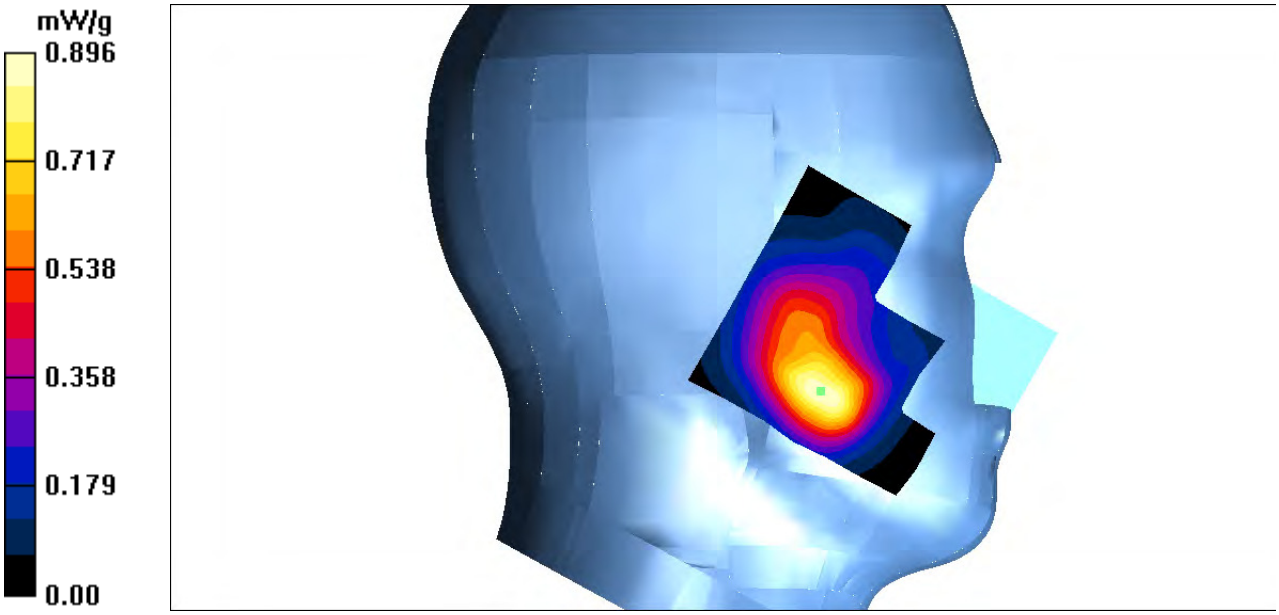
DUT: Mobile Phone ; Model: AX1055

Communication System: 3G Band; Frequency: 1907.6 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1907.6 MHz; σ = 1.37 S/m; εr = 38.62; ρ = 1000 kg/m^3
Phantom section: Left Section

DASY4 Configuration:
- Probe: ES3DV3 - SN3036; ConvF(5.12, 5.12, 5.12); Calibrated: 16/9/2016
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: Dummy DAE - SN:456; Calibrated: 12/9/2016
- Phantom: TWIN SAM; Type: QD000P40CA; Serial: TP-1218
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

WCDMA 1900-left-cheek-high /Area Scan (91x121x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.896 mW/g

WCDMA 1900-left-cheek-high /Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 8.49 V/m; Power Drift = -0.018 dB
Peak SAR (extrapolated) = 1.67 W/kg
SAR(1 g) = 0.822 mW/g; SAR(10 g) = 0.435 mW/g
Maximum value of SAR (measured) = 0.857 mW/g



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

Test Plot 20#:WCDMA 1900 Left Tilt High Channel

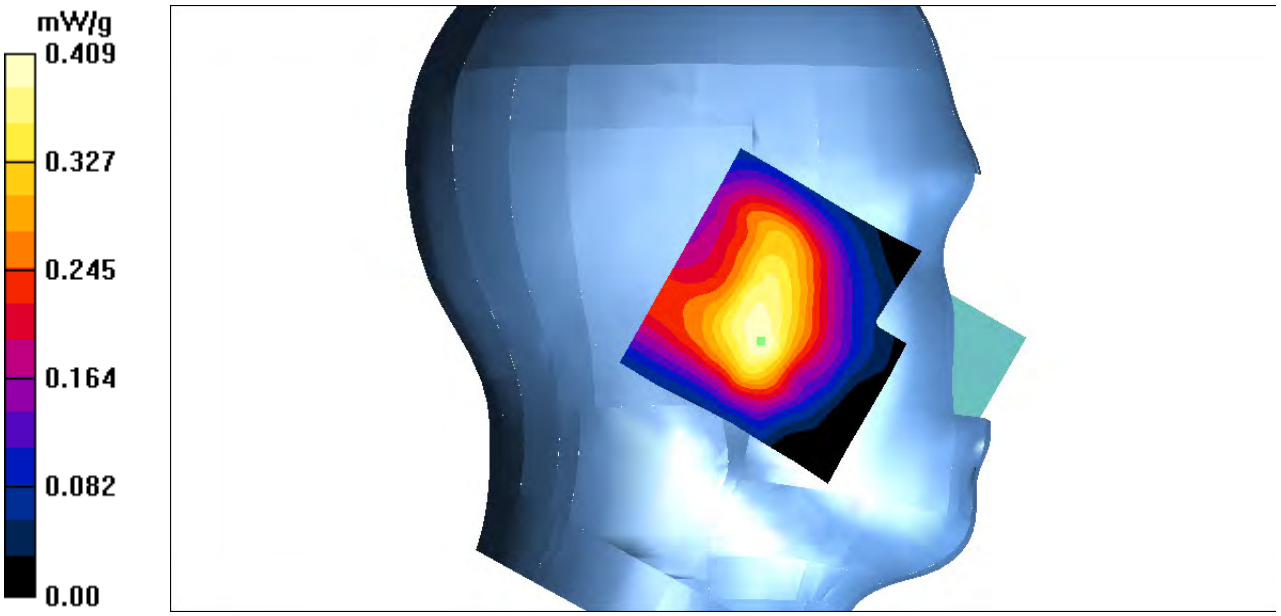
DUT: Mobile Phone ; Model: AX1055

Communication System: 3G Band; Frequency: 1907.6 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1907.6 MHz; σ = 1.37 S/m; εr = 38.62; ρ = 1000 kg/m^3
Phantom section: Left Section

DASY4 Configuration:
- Probe: ES3DV3 - SN3036; ConvF(5.12, 5.12, 5.12); Calibrated: 16/9/2016
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: Dummy DAE - SN:456; Calibrated: 12/9/2016
- Phantom: TWIN SAM; Type: QD000P40CA; Serial: TP-1218
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

WCDMA 1900-left-tilt-high /Area Scan (91x121x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.409 mW/g

WCDMA 1900-left-tilt-high /Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 11.9 V/m; Power Drift = -0.203 dB
Peak SAR (extrapolated) = 0.736 W/kg
SAR(1 g) = 0.385 mW/g; SAR(10 g) = 0.220 mW/g
Maximum value of SAR (measured) = 0.403 mW/g



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

Test Plot 21#:WCDMA 1900 Right Cheek Low Channel

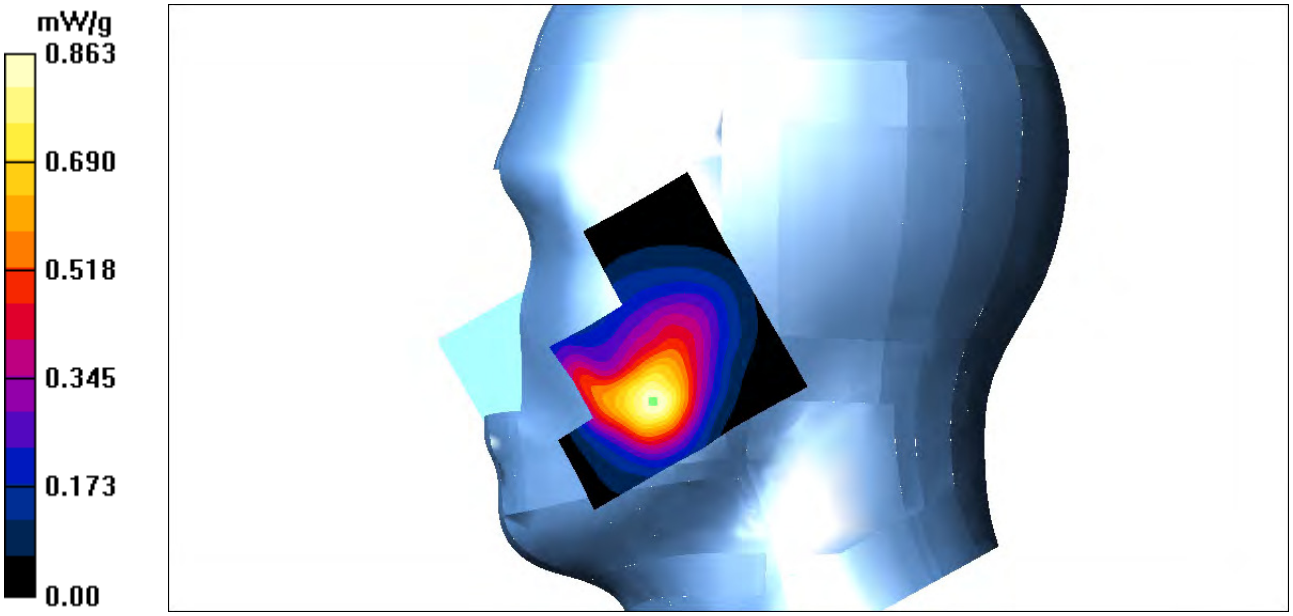
DUT: Mobile Phone ; Model: AX1055

Communication System: 3G Band; Frequency: 1852.4 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1852.4 MHz; σ = 1.37 S/m; εr = 38.62; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY4 Configuration:
- Probe: ES3DV3 - SN3036; ConvF(5.12, 5.12, 5.12); Calibrated: 16/9/2016
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: Dummy DAE - SN:456; Calibrated: 12/9/2016
- Phantom: TWIN SAM; Type: QD000P40CA; Serial: TP-1218
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

WCDMA 1900-right-cheek-low /Area Scan (91x121x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.863 mW/g

WCDMA 1900-right-cheek-low /Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 4.53 V/m; Power Drift = -0.00 dB
Peak SAR (extrapolated) = 1.74 W/kg
SAR(1 g) = 0.843 mW/g; SAR(10 g) = 0.413 mW/g
Maximum value of SAR (measured) = 0.928 mW/g



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

Test Plot 22#:WCDMA 1900 Right Cheek Middle Channel

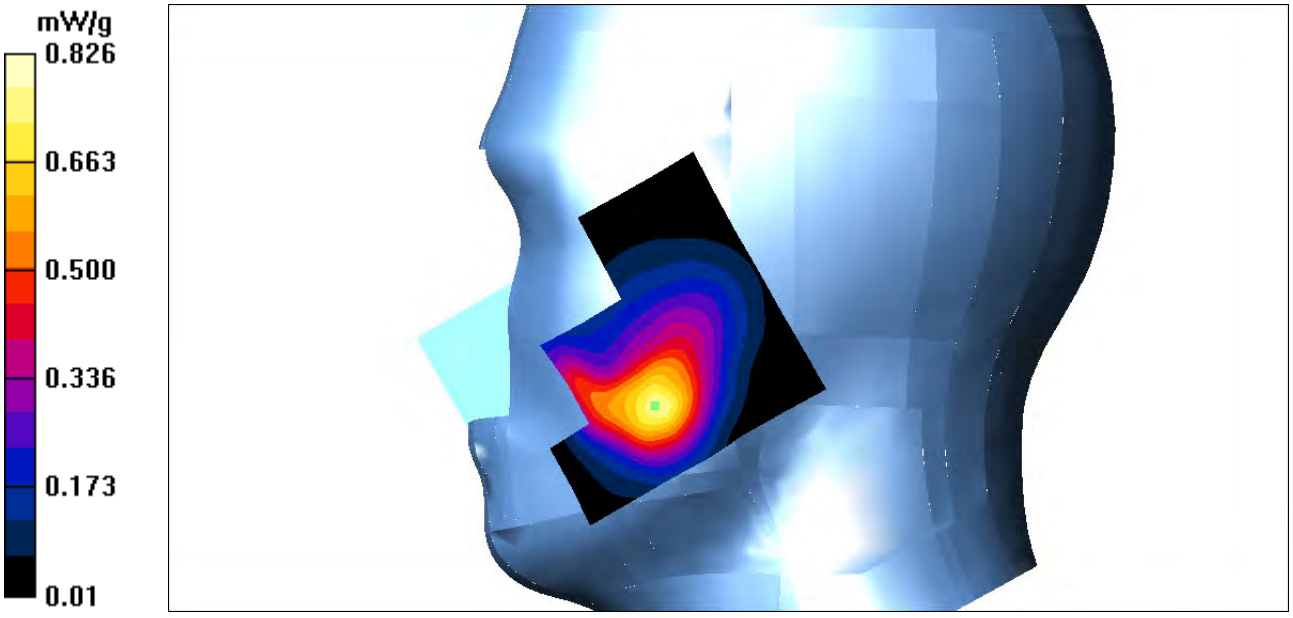
DUT: Mobile Phone ; Model: AX1055

Communication System: 3G Band; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1880 MHz; σ = 1.37 S/m; εr = 38.62; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY4 Configuration:
- Probe: ES3DV3 - SN3036; ConvF(5.12, 5.12, 5.12); Calibrated: 16/9/2016
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: Dummy DAE - SN:456; Calibrated: 12/9/2016
- Phantom: TWIN SAM; Type: QD000P40CA; Serial: TP-1218
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

WCDMA 1900-right-cheek-mid /Area Scan (91x121x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.762 mW/g

WCDMA 1900-right-cheek-mid /Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 4.03 V/m; Power Drift = 0.080 dB
Peak SAR (extrapolated) = 1.58 W/kg
SAR(1 g) = 0.762 mW/g; SAR(10 g) = 0.371 mW/g
Maximum value of SAR (measured) = 0.826 mW/g



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

Test Plot 23#:WCDMA 1900 Right Cheek High Channel

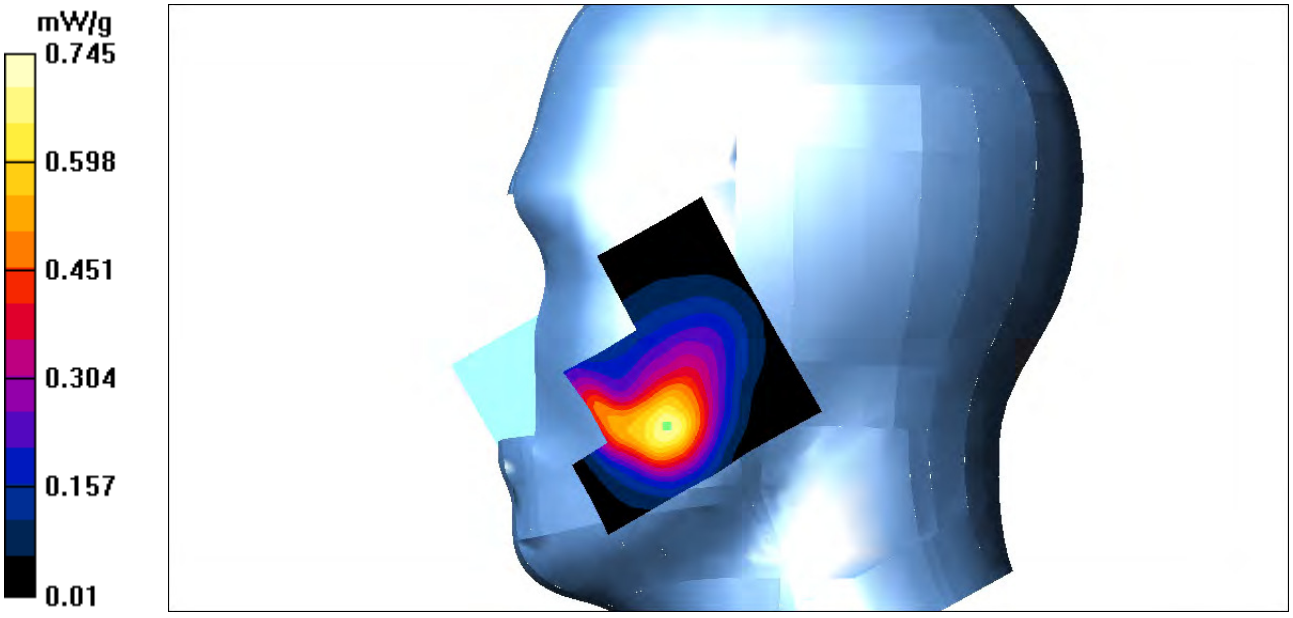
DUT: Mobile Phone ; Model: AX1055

Communication System: 3G Band; Frequency: 1907.6 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1907.6 MHz; σ = 1.37 S/m; εr = 38.62; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY4 Configuration:
- Probe: ES3DV3 - SN3036; ConvF(5.12, 5.12, 5.12); Calibrated: 16/9/2016
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: Dummy DAE - SN:456; Calibrated: 12/9/2016
- Phantom: TWIN SAM; Type: QD000P40CA; Serial: TP-1218
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

WCDMA 1900-right-cheek-high /Area Scan (91x121x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.703 mW/g

WCDMA 1900-right-cheek-high /Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 3.68 V/m; Power Drift = 0.132 dB
Peak SAR (extrapolated) = 1.44 W/kg
SAR(1 g) = 0.692 mW/g; SAR(10 g) = 0.338 mW/g
Maximum value of SAR (measured) = 0.745 mW/g



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

Test Plot 24#:WCDMA 1900 Right Tilt High Channel

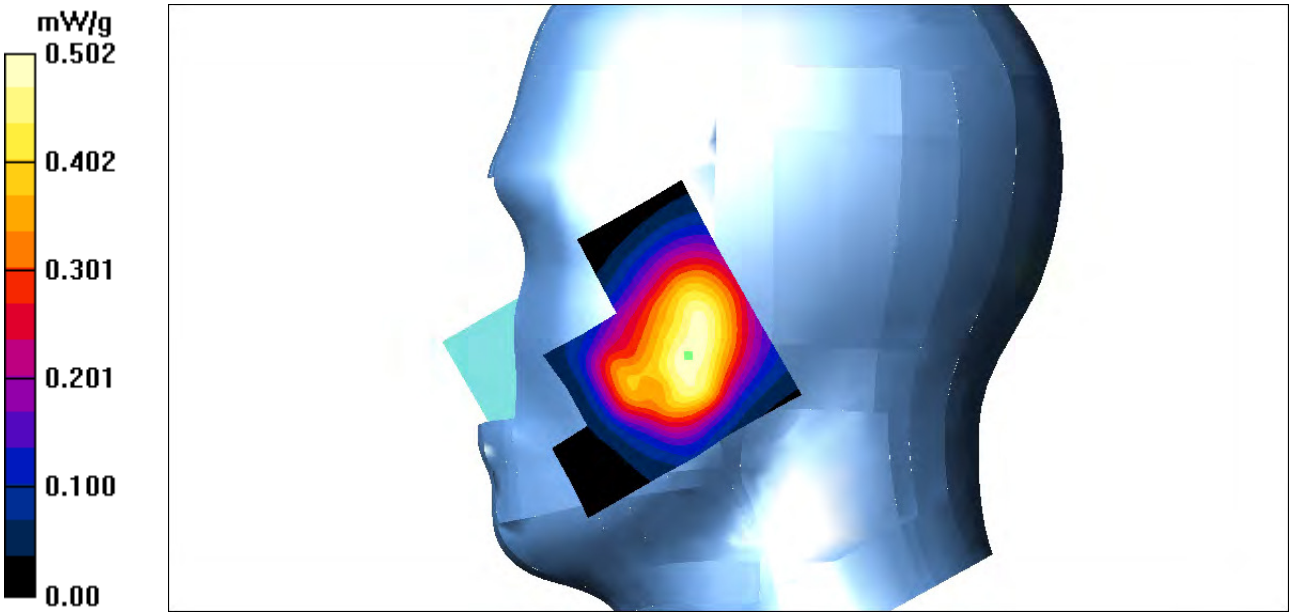
DUT: Mobile Phone ; Model: AX1055

Communication System: 3G Band; Frequency: 1907.6 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1907.6 MHz; σ = 1.37 S/m; εr = 38.62; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY4 Configuration:
- Probe: ES3DV3 - SN3036; ConvF(5.12, 5.12, 5.12); Calibrated: 16/9/2016
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: Dummy DAE - SN:456; Calibrated: 12/9/2016
- Phantom: TWIN SAM; Type: QD000P40CA; Serial: TP-1218
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

WCDMA 1900-right-tilt-high /Area Scan (91x121x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.502 mW/g

WCDMA 1900-right-tilt-high /Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 7.95 V/m; Power Drift = 0.085 dB
Peak SAR (extrapolated) = 0.890 W/kg
SAR(1 g) = 0.482 mW/g; SAR(10 g) = 0.266 mW/g
Maximum value of SAR (measured) = 0.509 mW/g



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

Test Plot 25#:LTE Band 2 Left Cheek High Channel

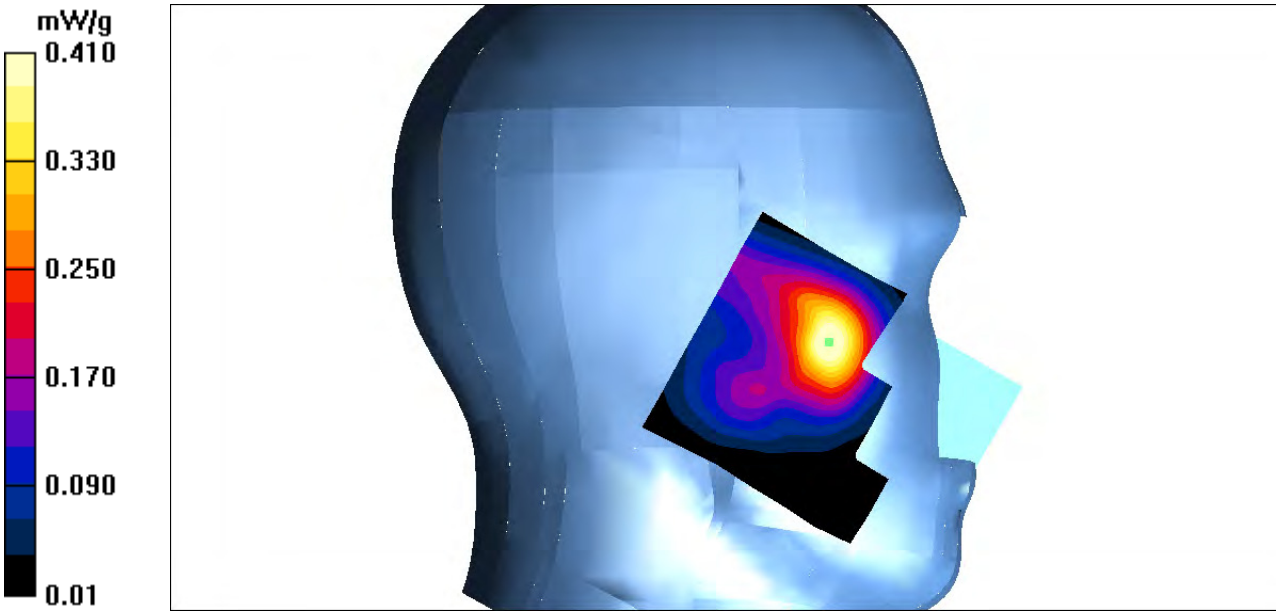
DUT: Mobile Phone ; Model: AX1055

Communication System: LTE 4G Band; Frequency: 1900 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1900 MHz; σ = 1.37 S/m; εr = 40.15; ρ = 1000 kg/m^3
Phantom section: Left Section

DASY4 Configuration:
- Probe: ES3DV3 - SN3036; ConvF(5.12, 5.12, 5.12); Calibrated: 16/9/2016
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: Dummy DAE - SN:456; Calibrated: 12/9/2016
- Phantom: TWIN SAM; Type: QD000P40CA; Serial: TP-1218
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

LTE Band 2-left-cheek-high-1RB /Area Scan (91x121x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.428 mW/g

LTE Band 2-left-cheek-high-1RB /Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 3.83 V/m; Power Drift = 0.114 dB
Peak SAR (extrapolated) = 0.747 W/kg
SAR(1 g) = 0.398 mW/g; SAR(10 g) = 0.209 mW/g
Maximum value of SAR (measured) = 0.410 mW/g



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

Test Plot 26#:LTE Band 2 Left Cheek High Channel

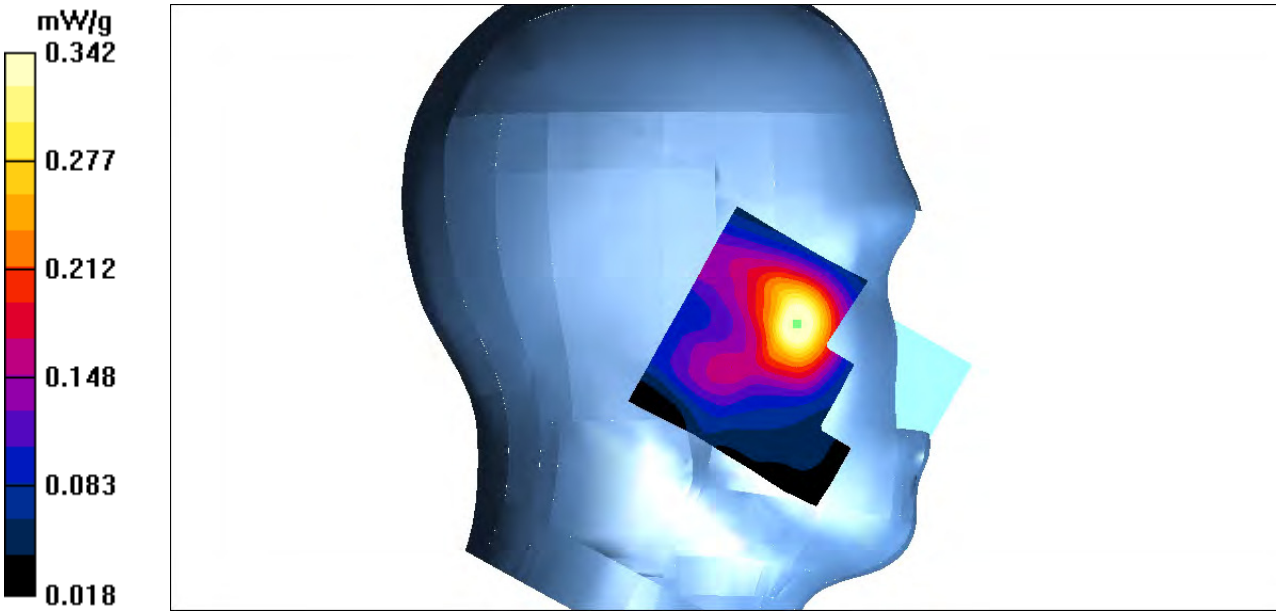
DUT: Mobile Phone ; Model: AX1055

Communication System: LTE 4G Band; Frequency: 1900 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1900 MHz; σ = 1.37 S/m; εr = 40.15; ρ = 1000 kg/m^3
Phantom section: Left Section

DASY4 Configuration:
- Probe: ES3DV3 - SN3036; ConvF(5.12, 5.12, 5.12); Calibrated: 16/9/2016
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: Dummy DAE - SN:456; Calibrated: 12/9/2016
- Phantom: TWIN SAM; Type: QD000P40CA; Serial: TP-1218
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

LTE Band 2-left-cheek-high-50%RB /Area Scan (91x121x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.365 mW/g

LTE Band 2-left-cheek-high-50%RB /Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 3.66 V/m; Power Drift = 0.032 dB
Peak SAR (extrapolated) = 0.629 W/kg
SAR(1 g) = 0.338 mW/g; SAR(10 g) = 0.186 mW/g
Maximum value of SAR (measured) = 0.342 mW/g



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

Test Plot 27#:LTE Band 2 Left Tilt High Channel

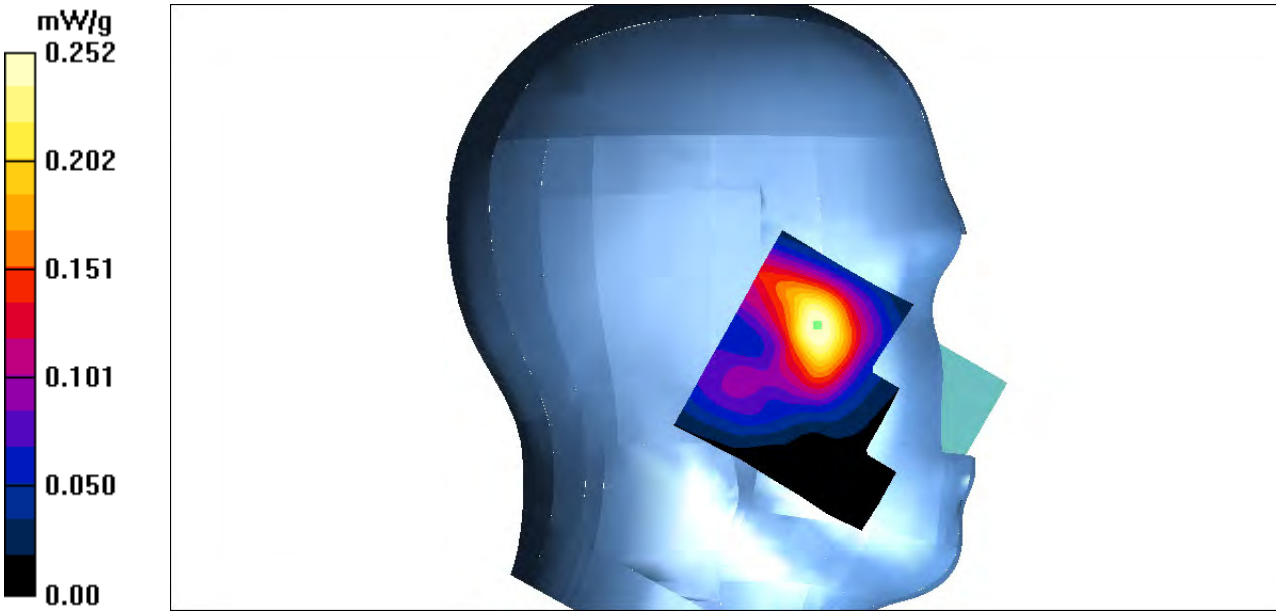
DUT: Mobile Phone ; Model: AX1055

Communication System: LTE 4G Band; Frequency: 1900 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1900 MHz; σ = 1.37 S/m; εr = 40.15; ρ = 1000 kg/m^3
Phantom section: Left Section

DASY4 Configuration:
- Probe: ES3DV3 - SN3036; ConvF(5.12, 5.12, 5.12); Calibrated: 16/9/2016
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: Dummy DAE - SN:456; Calibrated: 12/9/2016
- Phantom: TWIN SAM; Type: QD000P40CA; Serial: TP-1218
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

LTE Band 2-left-tilt-high-1RB /Area Scan (91x121x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.252 mW/g

LTE Band 2-left-tilt-high-1RB /Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 5.21 V/m; Power Drift = 0.086 dB
Peak SAR (extrapolated) = 0.423 W/kg
SAR(1 g) = 0.233 mW/g; SAR(10 g) = 0.127 mW/g
Maximum value of SAR (measured) = 0.246 mW/g



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

Test Plot 28#:LTE Band 2 Left Tilt High Channel

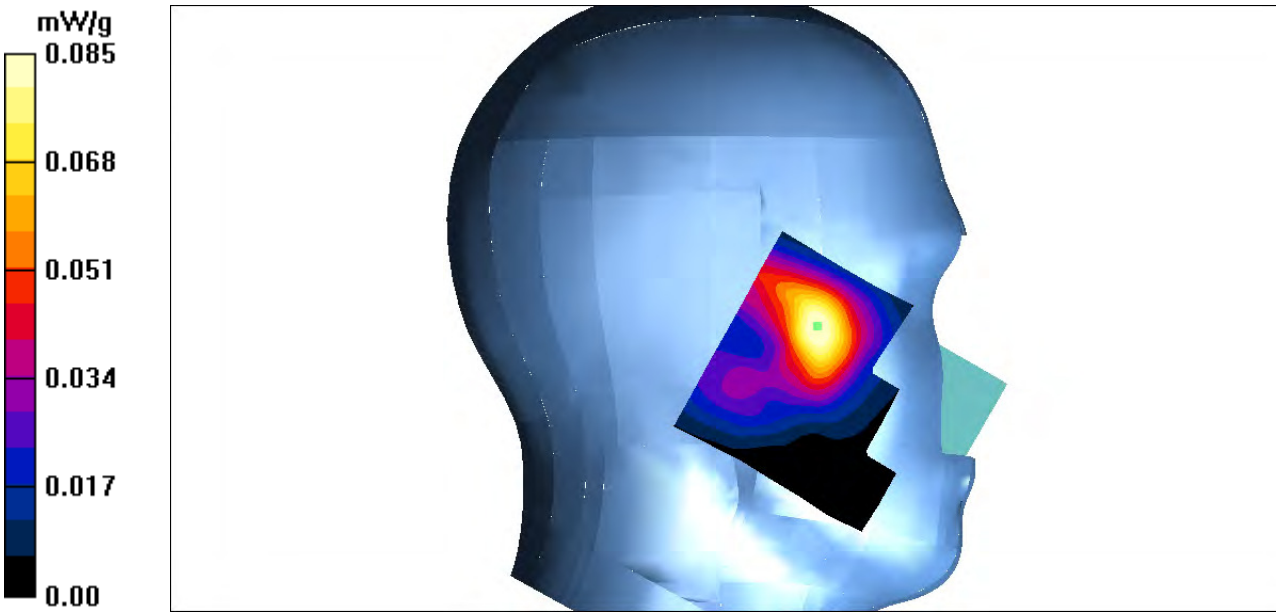
DUT: Mobile Phone ; Model: AX1055

Communication System: LTE 4G Band; Frequency: 1900 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1900 MHz; σ = 1.37 S/m; εr = 40.15; ρ = 1000 kg/m^3
Phantom section: Left Section

DASY4 Configuration:
- Probe: ES3DV3 - SN3036; ConvF(5.12, 5.12, 5.12); Calibrated: 16/9/2016
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: Dummy DAE - SN:456; Calibrated: 12/9/2016
- Phantom: TWIN SAM; Type: QD000P40CA; Serial: TP-1218
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

LTE Band 2-left-tilt-high-50%RB /Area Scan (91x121x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.083 mW/g

LTE Band 2-left-tilt-high-50%RB /Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 3.83 V/m; Power Drift = -0.057 dB
Peak SAR (extrapolated) = 0.113 W/kg
SAR(1 g) = 0.073 mW/g; SAR(10 g) = 0.043 mW/g
Maximum value of SAR (measured) = 0.085 mW/g



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

Test Plot 29#:LTE Band 2 Right Cheek High Channel

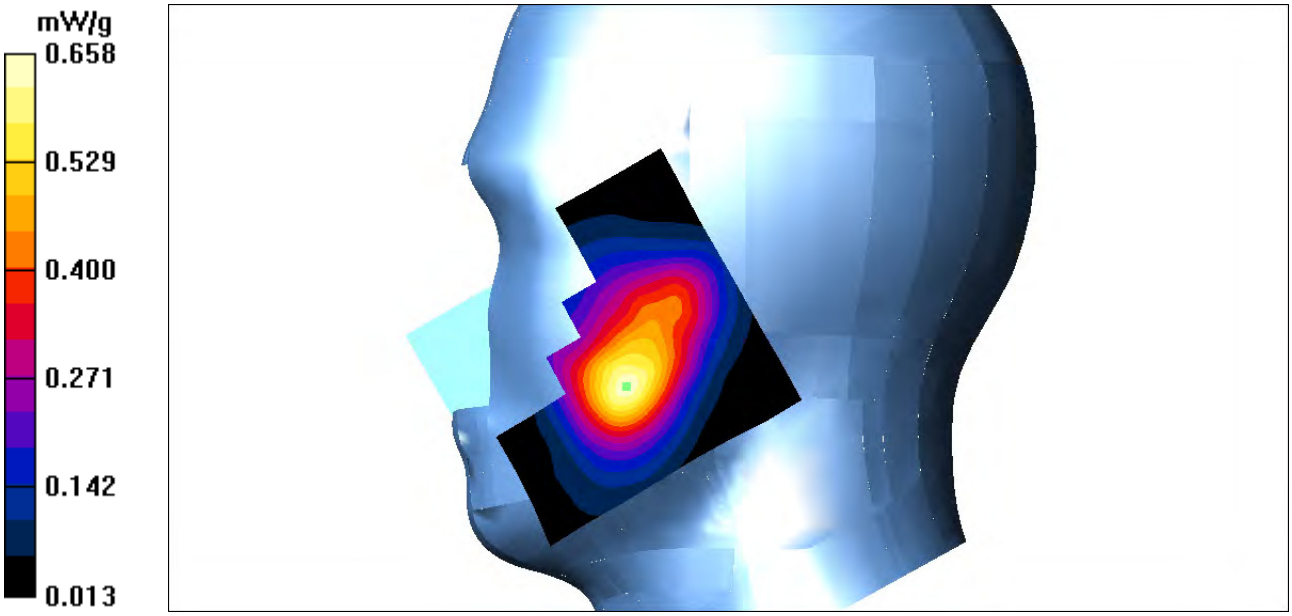
DUT: Mobile Phone ; Model: AX1055

Communication System: LTE 4G Band; Frequency: 1900 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1900 MHz; σ = 1.37 S/m; εr = 40.15; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY4 Configuration:
- Probe: ES3DV3 - SN3036; ConvF(5.12, 5.12, 5.12); Calibrated: 16/9/2016
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: Dummy DAE - SN:456; Calibrated: 12/9/2016
- Phantom: TWIN SAM; Type: QD000P40CA; Serial: TP-1218
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

LTE Band 2-right-cheek-high-1RB /Area Scan (91x121x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.643 mW/g

LTE Band 2-right-cheek-high-1RB /Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 6.36 V/m; Power Drift = 0.077 dB
Peak SAR (extrapolated) =1.03 W/kg
SAR(1 g) = 0.584 mW/g; SAR(10 g) = 0.333 mW/g
Maximum value of SAR (measured) = 0.658 mW/g



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

Test Plot 30#:LTE Band 2 Right Cheek High Channel

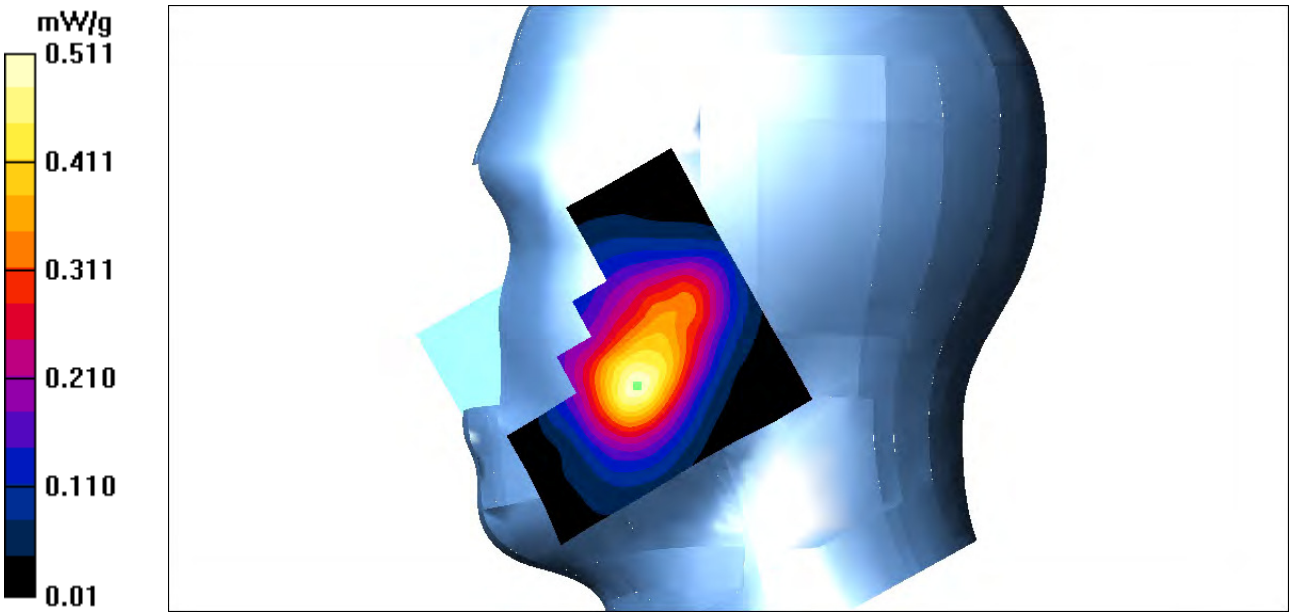
DUT: Mobile Phone ; Model: AX1055

Communication System: LTE 4G Band; Frequency: 1900 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1900 MHz; σ = 1.37 S/m; εr = 40.15; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY4 Configuration:
- Probe: ES3DV3 - SN3036; ConvF(5.12, 5.12, 5.12); Calibrated: 16/9/2016
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: Dummy DAE - SN:456; Calibrated: 12/9/2016
- Phantom: TWIN SAM; Type: QD000P40CA; Serial: TP-1218
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

LTE Band 2-right-cheek-high-50%RB /Area Scan (91x121x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.505 mW/g

LTE Band 2-right-cheek-high-50%RB /Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 5.60 V/m; Power Drift = 0.062 dB
Peak SAR (extrapolated) = 0.803 W/kg
SAR(1 g) = 0.459 mW/g; SAR(10 g) = 0.262 mW/g
Maximum value of SAR (measured) = 0.511 mW/g



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

Test Plot 31#:LTE Band 2 Right Tilt High Channel

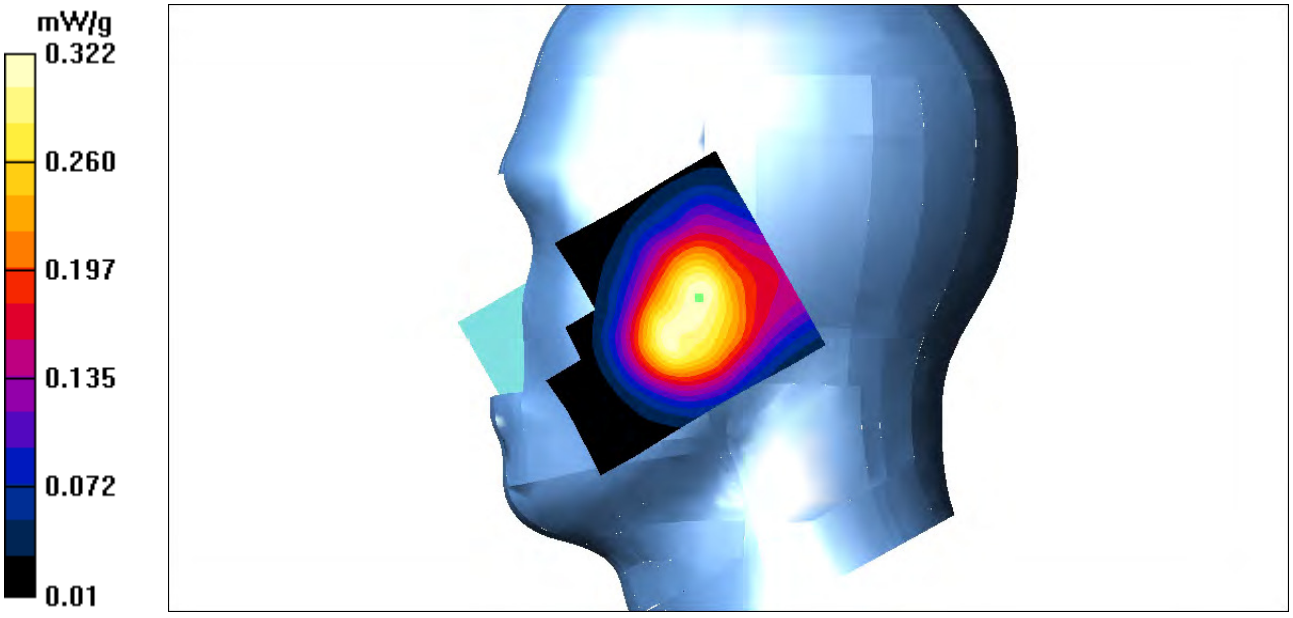
DUT: Mobile Phone ; Model: AX1055

Communication System: LTE 4G Band; Frequency: 1900 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1900 MHz; σ = 1.37 S/m; εr = 40.15; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY4 Configuration:
- Probe: ES3DV3 - SN3036; ConvF(5.12, 5.12, 5.12); Calibrated: 16/9/2016
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: Dummy DAE - SN:456; Calibrated: 12/9/2016
- Phantom: TWIN SAM; Type: QD000P40CA; Serial: TP-1218
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

LTE Band 2-right-tilt-high-1RB /Area Scan (91x121x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.321 mW/g

LTE Band 2-right-tilt-high-1RB /Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 3.61 V/m; Power Drift = -0.190 dB
Peak SAR (extrapolated) = 0.543 W/kg
SAR(1 g) = 0.303 mW/g; SAR(10 g) = 0.177 mW/g
Maximum value of SAR (measured) = 0.322 mW/g



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

Test Plot 32#:LTE Band 2 Right Tilt High Channel

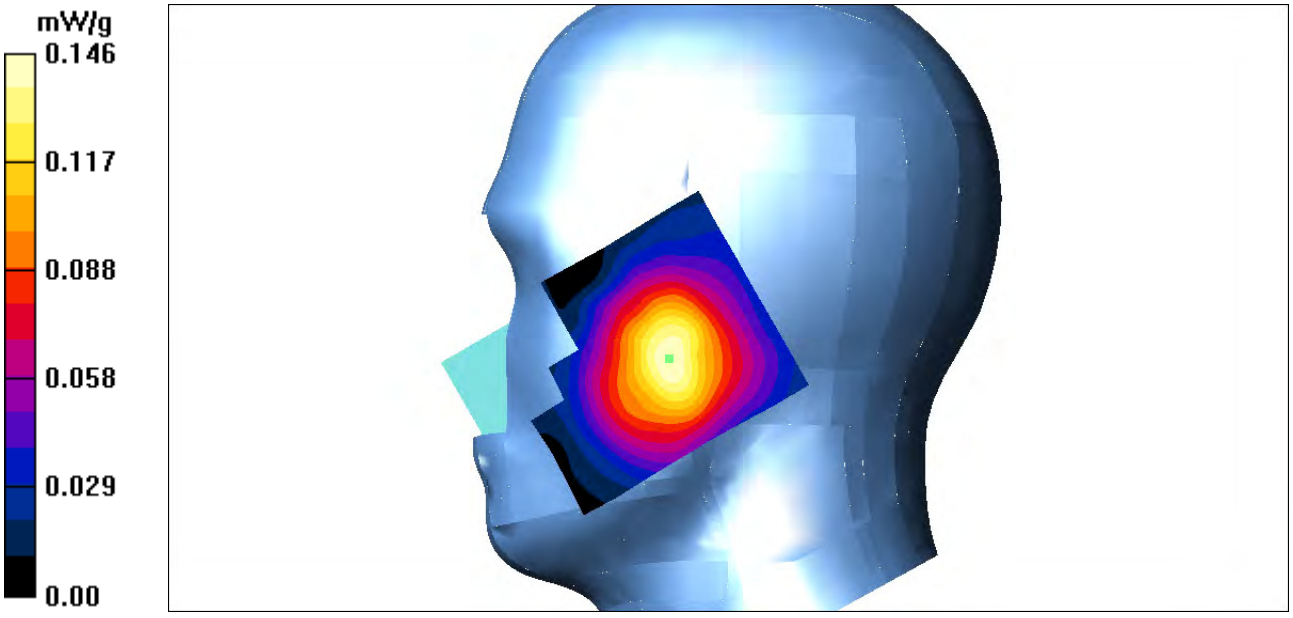
DUT: Mobile Phone ; Model: AX1055

Communication System: LTE 4G Band; Frequency: 1900 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1900 MHz; σ = 1.37 S/m; εr = 40.15; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY4 Configuration:
- Probe: ES3DV3 - SN3036; ConvF(5.12, 5.12, 5.12); Calibrated: 16/9/2016
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: Dummy DAE - SN:456; Calibrated: 12/9/2016
- Phantom: TWIN SAM; Type: QD000P40CA; Serial: TP-1218
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

LTE Band 2-right-tilt-high-50%RB /Area Scan (91x121x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.144 mW/g

LTE Band 2-right-tilt-high-50%RB /Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 4.91 V/m; Power Drift = 0.053 dB
Peak SAR (extrapolated) = 0.242 W/kg
SAR(1 g) = 0.138 mW/g; SAR(10 g) = 0.084 mW/g
Maximum value of SAR (measured) = 0.146 mW/g



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

Test Plot 33#:LTE Band 4 Left Cheek High Channel

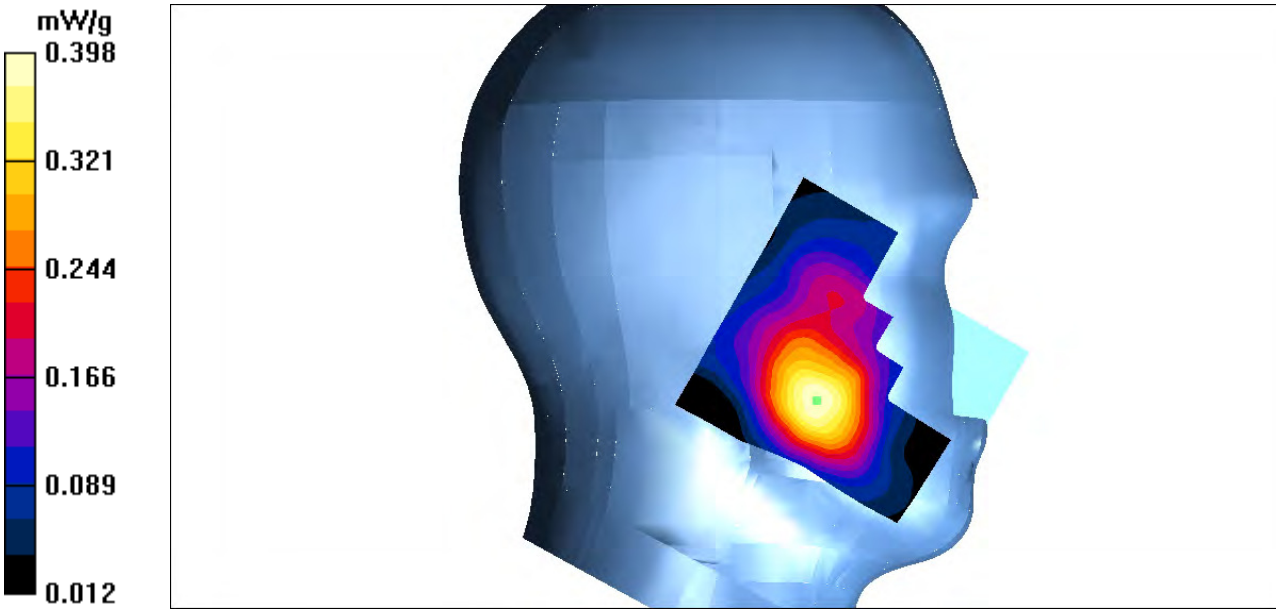
DUT: Mobile Phone ; Model: AX1055

Communication System: LTE 4G Band; Frequency: 1745 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1745 MHz; σ = 1.39 S/m; εr = 39.76; ρ = 1000 kg/m^3
Phantom section: Left Section

DASY4 Configuration:
- Probe: ES3DV3 - SN3036; ConvF(5.34, 5.34, 5.34); Calibrated: 16/9/2016
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: Dummy DAE - SN:456; Calibrated: 12/9/2016
- Phantom: TWIN SAM; Type: QD000P40CA; Serial: TP-1218
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

LTE Band 4-left-cheek-high-1RB /Area Scan (91x121x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.397 mW/g

LTE Band 4-left-cheek-high-1RB /Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 6.01 V/m; Power Drift = 0.039 dB
Peak SAR (extrapolated) = 0.572 W/kg
SAR(1 g) = 0.375 mW/g; SAR(10 g) = 0.235 mW/g
Maximum value of SAR (measured) = 0.398 mW/g



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

Test Plot 34#:LTE Band 4 Left Cheek High Channel

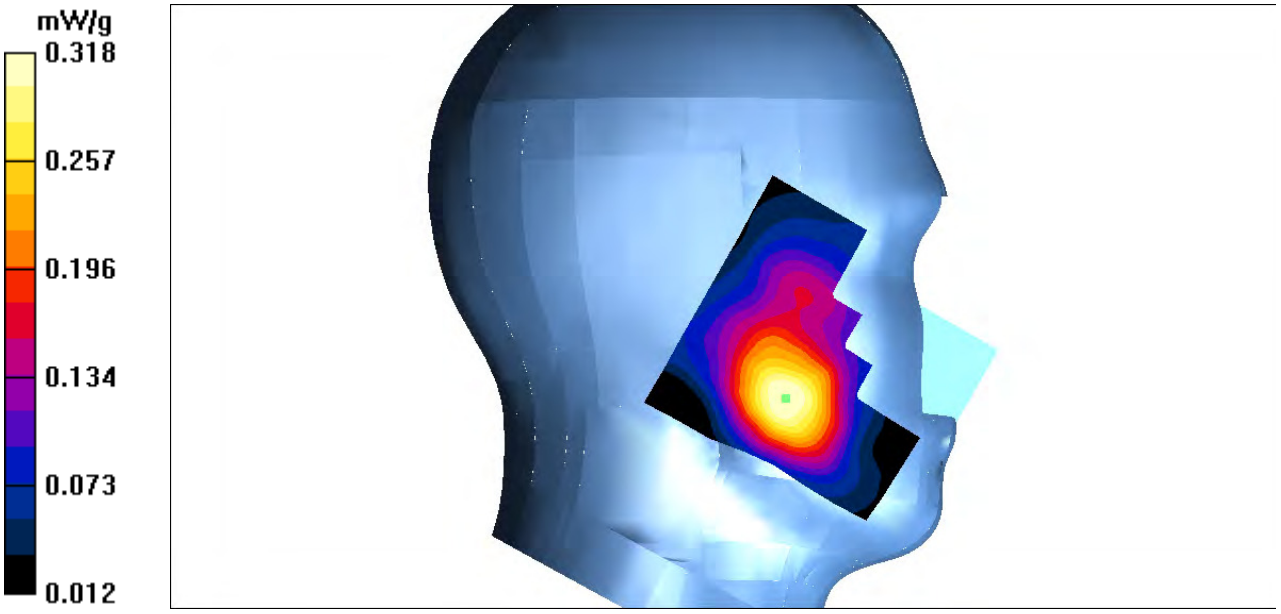
DUT: Mobile Phone ; Model: AX1055

Communication System: LTE 4G Band; Frequency: 1745 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1745 MHz; σ = 1.39 S/m; εr = 39.76; ρ = 1000 kg/m^3
Phantom section: Left Section

DASY4 Configuration:
- Probe: ES3DV3 - SN3036; ConvF(5.34, 5.34, 5.34); Calibrated: 16/9/2016
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: Dummy DAE - SN:456; Calibrated: 12/9/2016
- Phantom: TWIN SAM; Type: QD000P40CA; Serial: TP-1218
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

LTE Band 4-left-cheek-high-50%RB /Area Scan (91x121x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.326 mW/g

LTE Band 4-left-cheek-high-50%RB /Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 5.29 V/m; Power Drift = -0.043 dB
Peak SAR (extrapolated) = 0.241 W/kg
SAR(1 g) = 0.301 mW/g; SAR(10 g) = 0.189 mW/g
Maximum value of SAR (measured) = 0.318 mW/g



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

Test Plot 35#:LTE Band 4 Left Tilt High Channel

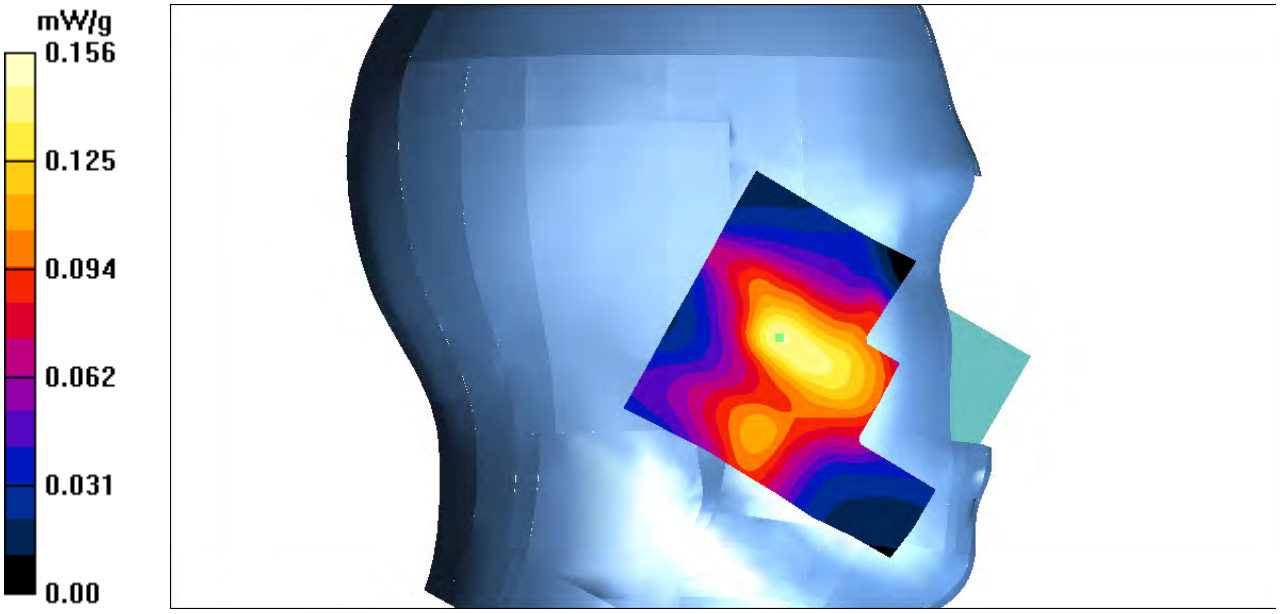
DUT: Mobile Phone ; Model: AX1055

Communication System: LTE 4G Band; Frequency: 1745 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1745 MHz; σ = 1.39 S/m; εr = 39.76; ρ = 1000 kg/m^3
Phantom section: Left Section

DASY4 Configuration:
- Probe: ES3DV3 - SN3036; ConvF(5.34, 5.34, 5.34); Calibrated: 16/9/2016
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: Dummy DAE - SN:456; Calibrated: 12/9/2016
- Phantom: TWIN SAM; Type: QD000P40CA; Serial: TP-1218
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

LTE Band 4-left-tilt-high-1RB /Area Scan (91x121x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.148 mW/g

LTE Band 4-left-tilt-high-1RB /Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 4.43 V/m; Power Drift = 0.055 dB
Peak SAR (extrapolated) = 0.244 W/kg
SAR(1 g) = 0.145 mW/g; SAR(10 g) = 0.084 mW/g
Maximum value of SAR (measured) = 0.156 mW/g



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

Test Plot 36#:LTE Band 4 Left Tilt High Channel

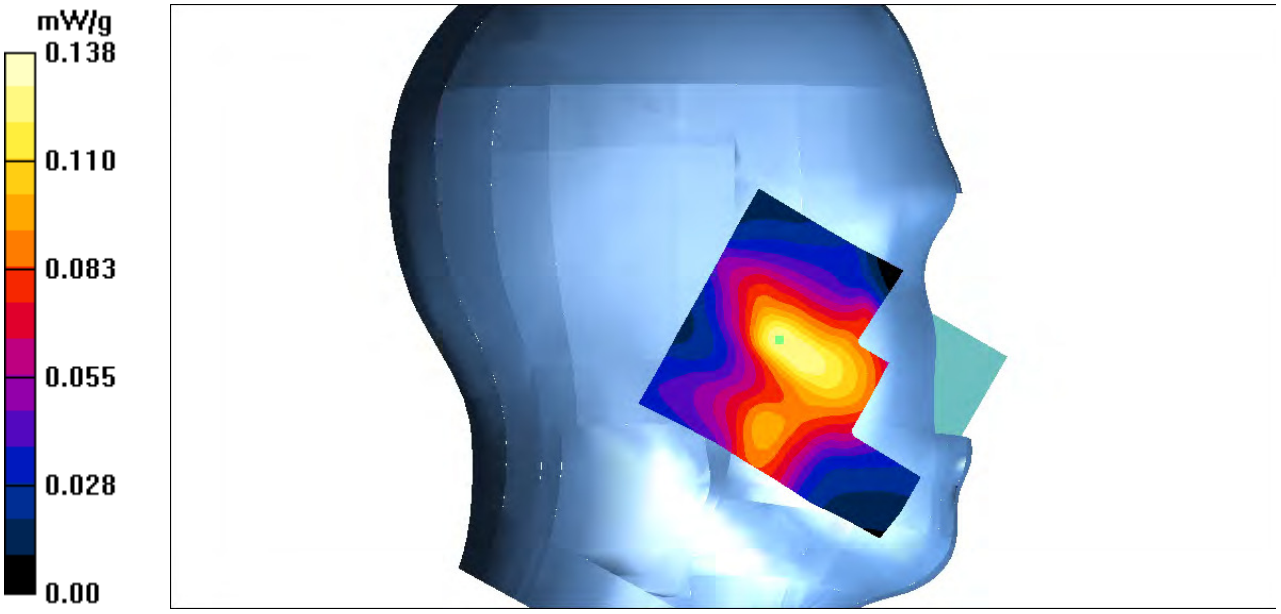
DUT: Mobile Phone ; Model: AX1055

Communication System: LTE 4G Band; Frequency: 1745 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1745 MHz; σ = 1.39 S/m; εr = 39.76; ρ = 1000 kg/m^3
Phantom section: Left Section

DASY4 Configuration:
- Probe: ES3DV3 - SN3036; ConvF(5.34, 5.34, 5.34); Calibrated: 16/9/2016
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: Dummy DAE - SN:456; Calibrated: 12/9/2016
- Phantom: TWIN SAM; Type: QD000P40CA; Serial: TP-1218
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

LTE Band 4-left-tilt-high-50%RB /Area Scan (91x121x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.129 mW/g

LTE Band 4-left-tilt-high-50%RB /Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 5.02 V/m; Power Drift = -0.044 dB
Peak SAR (extrapolated) = 0.230 W/kg
SAR(1 g) = 0.128 mW/g; SAR(10 g) = 0.074 mW/g
Maximum value of SAR (measured) = 0.138 mW/g



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

Test Plot 37#:LTE Band 4 Right Cheek High Channel

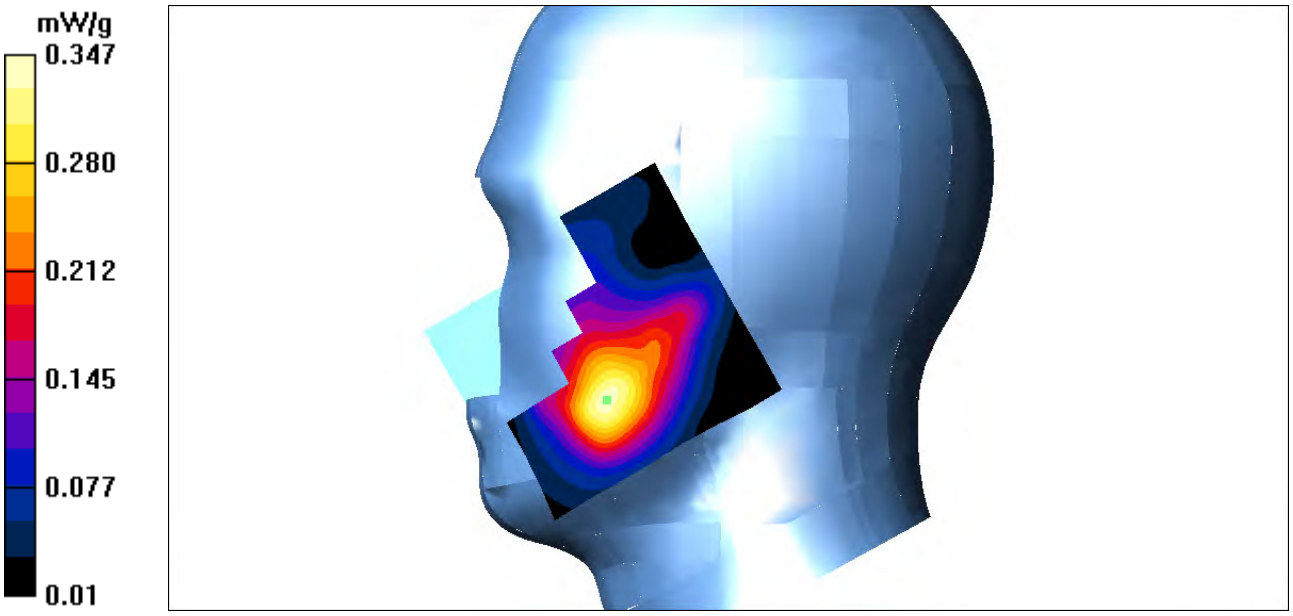
DUT: Mobile Phone ; Model: AX1055

Communication System: LTE 4G Band; Frequency: 1745 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1745 MHz; σ = 1.39 S/m; εr = 39.76; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY4 Configuration:
- Probe: ES3DV3 - SN3036; ConvF(5.34, 5.34, 5.34); Calibrated: 16/9/2016
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: Dummy DAE - SN:456; Calibrated: 12/9/2016
- Phantom: TWIN SAM; Type: QD000P40CA; Serial: TP-1218
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

LTE Band 4-right-cheek-high-1RB /Area Scan (91x121x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.335 mW/g

LTE Band 4-right-cheek-high-1RB /Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 4.78 V/m; Power Drift = -0.195 dB
Peak SAR (extrapolated) = 0.534 W/kg
SAR(1 g) = 0.315 mW/g; SAR(10 g) = 0.185 mW/g
Maximum value of SAR (measured) = 0.347 mW/g



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

Test Plot 38#:LTE Band 4 Right Cheek High Channel

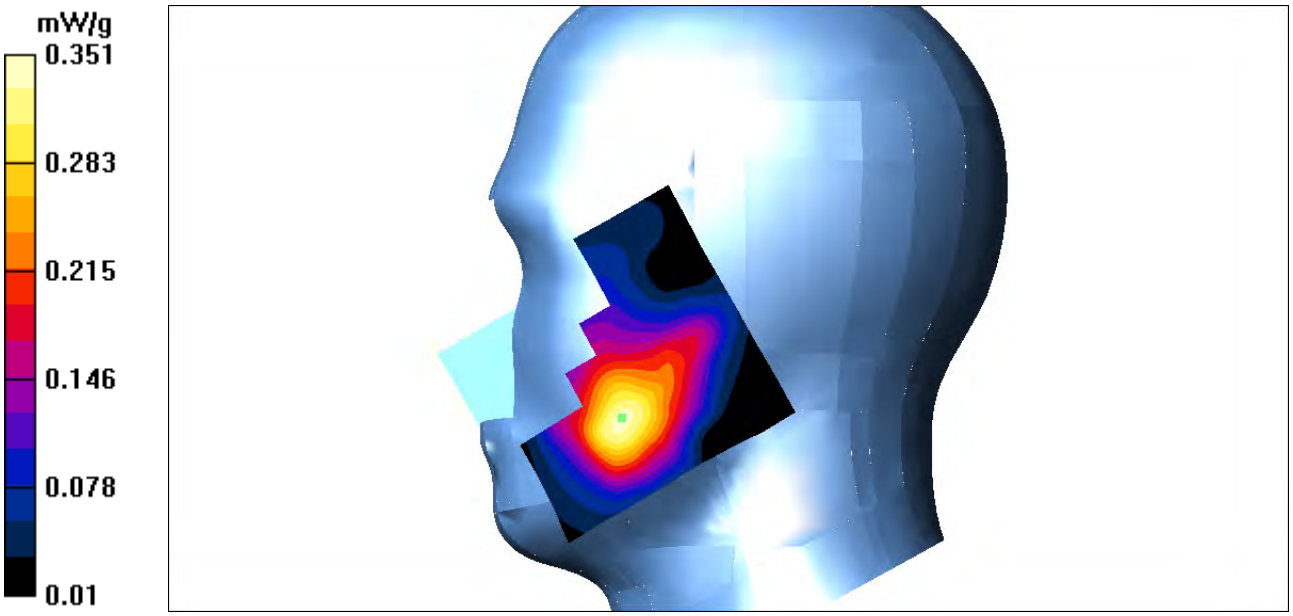
DUT: Mobile Phone ; Model: AX1055

Communication System: LTE 4G Band; Frequency: 1745 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1745 MHz; σ = 1.39 S/m; εr = 39.76; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY4 Configuration:
- Probe: ES3DV3 - SN3036; ConvF(5.34, 5.34, 5.34); Calibrated: 16/9/2016
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: Dummy DAE - SN:456; Calibrated: 12/9/2016
- Phantom: TWIN SAM; Type: QD000P40CA; Serial: TP-1218
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

LTE Band 4-right-cheek-high-50%RB /Area Scan (91x121x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.339 mW/g

LTE Band 4-right-cheek-high-50%RB /Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 4.64 V/m; Power Drift = 0.019 dB
Peak SAR (extrapolated) = 0.537 W/kg
SAR(1 g) = 0.319 mW/g; SAR(10 g) = 0.188 mW/g
Maximum value of SAR (measured) = 0.351 mW/g



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

Test Plot 39#:LTE Band 4 Right Tilt High Channel

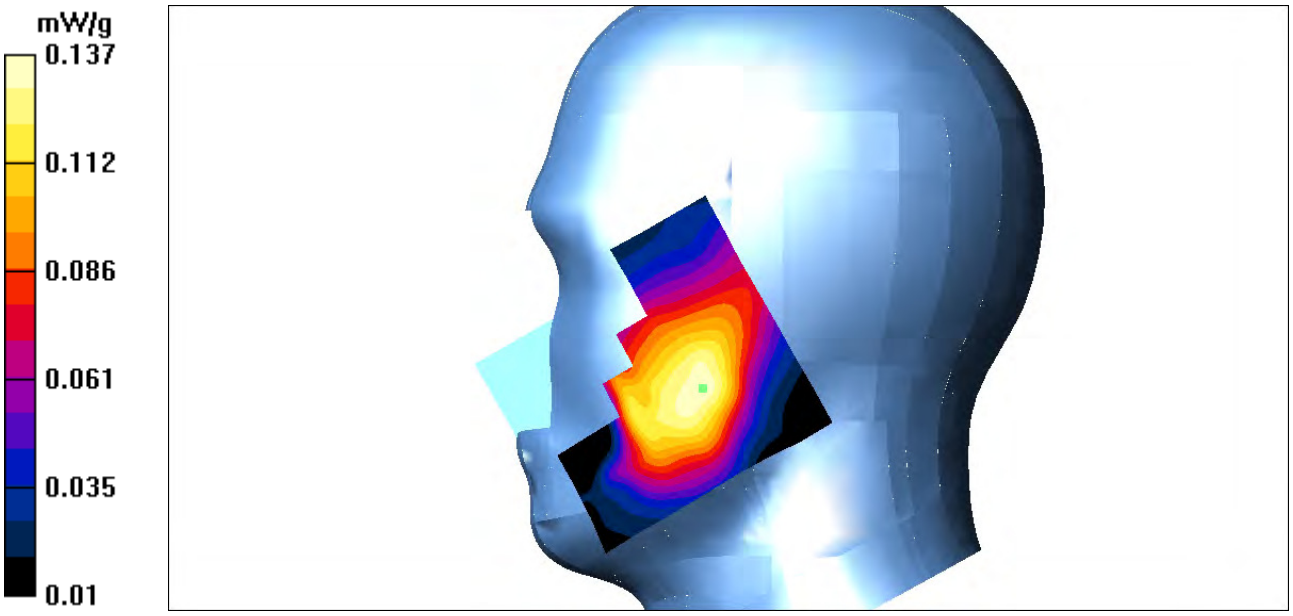
DUT: Mobile Phone ; Model: AX1055

Communication System: LTE 4G Band; Frequency: 1745 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1745 MHz; σ = 1.39 S/m; εr = 39.76; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY4 Configuration:
- Probe: ES3DV3 - SN3036; ConvF(5.34, 5.34, 5.34); Calibrated: 16/9/2016
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: Dummy DAE - SN:456; Calibrated: 12/9/2016
- Phantom: TWIN SAM; Type: QD000P40CA; Serial: TP-1218
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

LTE Band 4-right-tilt-high-1RB /Area Scan (91x121x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.134 mW/g

LTE Band 4-right-tilt-high-1RB /Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 8.40 V/m; Power Drift = 0.041 dB
Peak SAR (extrapolated) = 0.192 W/kg
SAR(1 g) = 0.126 mW/g; SAR(10 g) = 0.083 mW/g
Maximum value of SAR (measured) = 0.137 mW/g



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

Test Plot 40#:LTE Band 4 Right Tilt High Channel

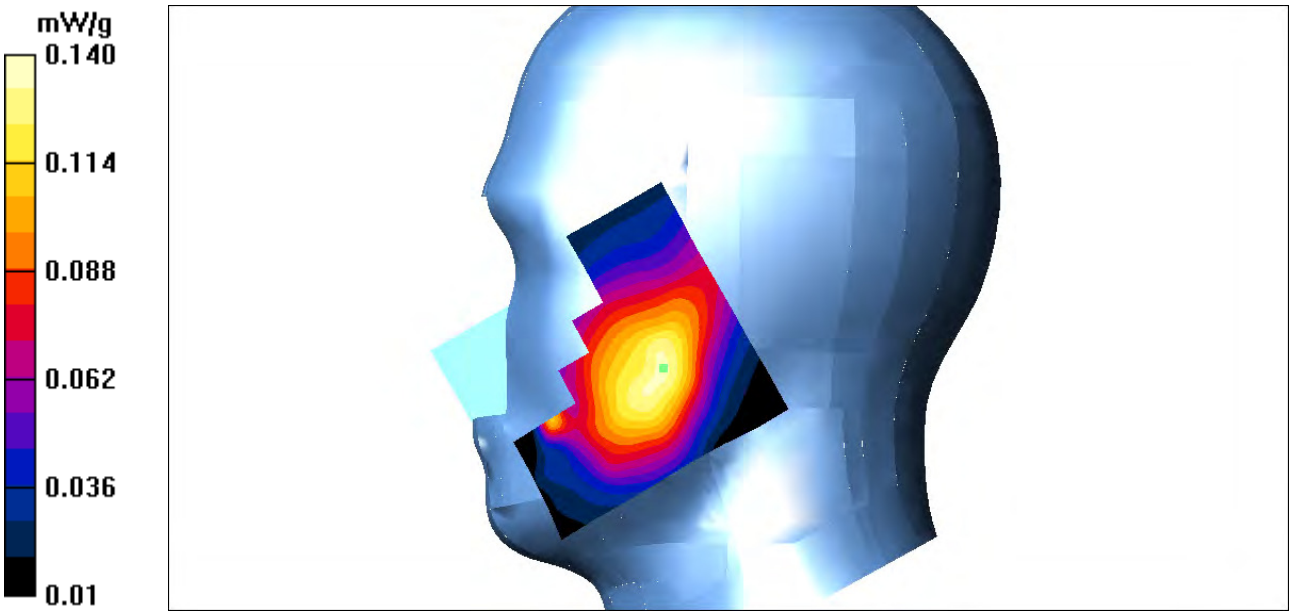
DUT: Mobile Phone ; Model: AX1055

Communication System: LTE 4G Band; Frequency: 1745 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1745 MHz; σ = 1.39 S/m; εr = 39.76; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY4 Configuration:
- Probe: ES3DV3 - SN3036; ConvF(5.34, 5.34, 5.34); Calibrated: 16/9/2016
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: Dummy DAE - SN:456; Calibrated: 12/9/2016
- Phantom: TWIN SAM; Type: QD000P40CA; Serial: TP-1218
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

LTE Band 4-right-tilt-high-50%RB /Area Scan (91x121x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.134 mW/g

LTE Band 4-right-tilt-high-50%RB /Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 8.01 V/m; Power Drift = 0.053 dB
Peak SAR (extrapolated) = 0.210 W/kg
SAR(1 g) = 0.131 mW/g; SAR(10 g) = 0.084 mW/g
Maximum value of SAR (measured) = 0.140 mW/g



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

Test Plot 41#:LTE Band 5 Left Cheek High Channel

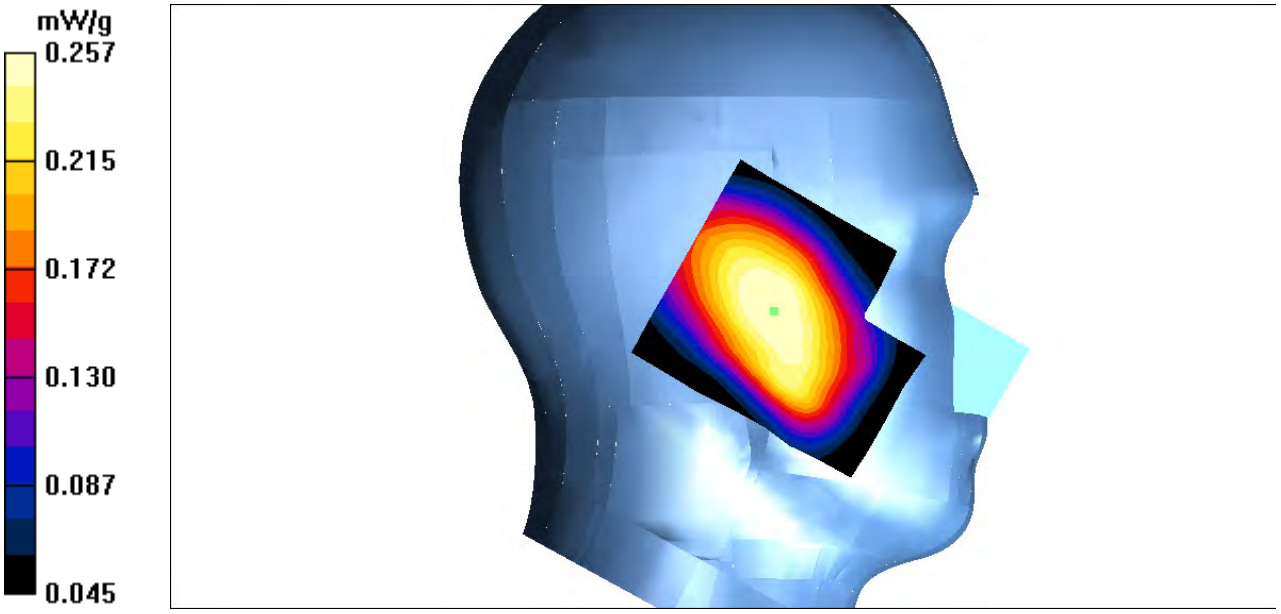
DUT: Mobile Phone ; Model: AX1055

Communication System: LTE 4G Band; Frequency: 844 MHz;Duty Cycle: 1:1
Medium parameters used: f = 844 MHz; σ = 0.90 S/m; εr = 39.90; ρ = 1000 kg/m^3
Phantom section: Left Section

DASY4 Configuration:
- Probe: ES3DV3 - SN3036; ConvF(6.26, 6.26, 6.26); Calibrated: 16/9/2016
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: Dummy DAE - SN:456; Calibrated: 12/9/2016
- Phantom: TWIN SAM; Type: QD000P40CA; Serial: TP-1218
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

LTE Band 5-left-cheek-high-1RB /Area Scan (91x121x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.267 mW/g

LTE Band 5-left-cheek-high-1RB /Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 13.4 V/m; Power Drift = -0.138 dB
Peak SAR (extrapolated) = 0.353 W/kg
SAR(1 g) = 0.243 mW/g; SAR(10 g) = 0.175 mW/g
Maximum value of SAR (measured) = 0.257 mW/g



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

Test Plot 42#:LTE Band 5 Left Cheek Middle Channel

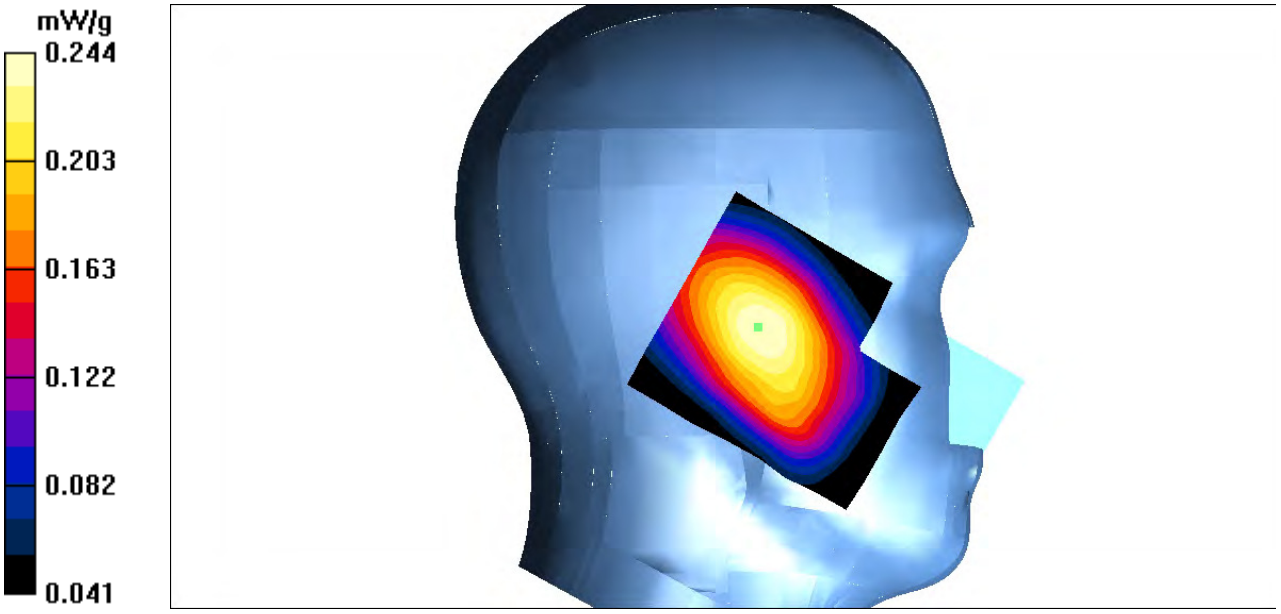
DUT: Mobile Phone ; Model: AX1055

Communication System: LTE 4G Band; Frequency: 836.5 MHz;Duty Cycle: 1:1
Medium parameters used: f = 836.5 MHz; σ = 0.90 S/m; εr = 39.95; ρ = 1000 kg/m^3
Phantom section: Left Section

DASY4 Configuration:
- Probe: ES3DV3 - SN3036; ConvF(6.26, 6.26, 6.26); Calibrated: 16/9/2016
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: Dummy DAE - SN:456; Calibrated: 12/9/2016
- Phantom: TWIN SAM; Type: QD000P40CA; Serial: TP-1218
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

LTE Band 5-left-cheek-mid-50%RB /Area Scan (91x121x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.244 mW/g

LTE Band 5-left-cheek-mid-50%RB /Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 12.9 V/m; Power Drift = 0.101 dB
Peak SAR (extrapolated) = 0.304 W/kg
SAR(1 g) = 0.237 mW/g; SAR(10 g) = 0.162 mW/g
Maximum value of SAR (measured) = 0.244 mW/g



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

Test Plot 43#:LTE Band 5 Left Tilt High Channel

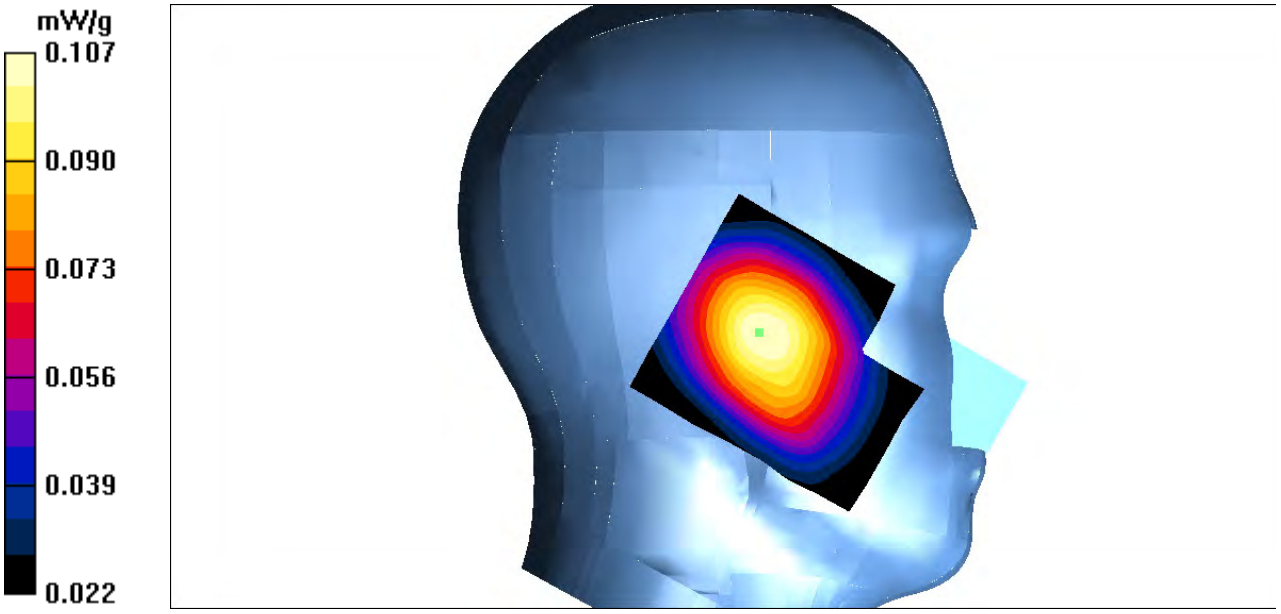
DUT: Mobile Phone ; Model: AX1055

Communication System: LTE 4G Band; Frequency: 844 MHz;Duty Cycle: 1:1
Medium parameters used: f = 844 MHz; σ = 0.90 S/m; εr = 39.90; ρ = 1000 kg/m^3
Phantom section: Left Section

DASY4 Configuration:
- Probe: ES3DV3 - SN3036; ConvF(6.26, 6.26, 6.26); Calibrated: 16/9/2016
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: Dummy DAE - SN:456; Calibrated: 12/9/2016
- Phantom: TWIN SAM; Type: QD000P40CA; Serial: TP-1218
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

LTE Band 5-left-tilt-high-1RB /Area Scan (91x121x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.108 mW/g

LTE Band 5-left-tilt-high-1RB /Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 7.67 V/m; Power Drift = -0.062 dB
Peak SAR (extrapolated) = 0.143 W/kg
SAR(1 g) = 0.104 mW/g; SAR(10 g) = 0.066 mW/g
Maximum value of SAR (measured) = 0.107 mW/g



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

Test Plot 44#:LTE Band 5 Left Tilt Middle Channel

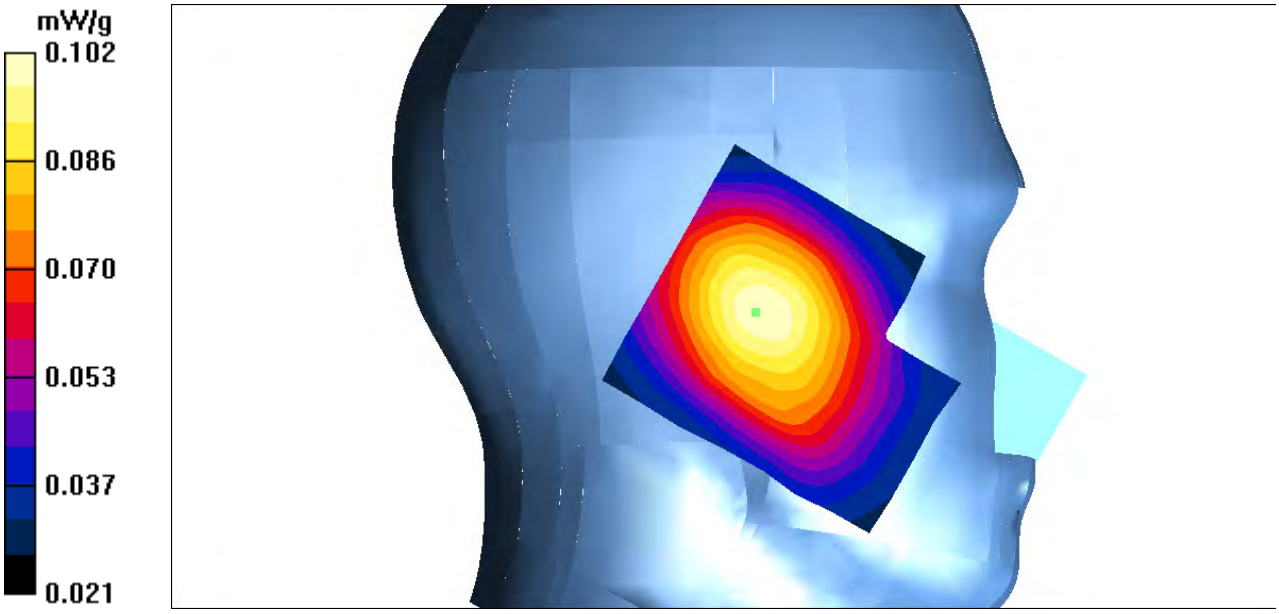
DUT: Mobile Phone ; Model: AX1055

Communication System: LTE 4G Band; Frequency: 836.5 MHz;Duty Cycle: 1:1
Medium parameters used: f = 836.5 MHz; σ = 0.90 S/m; εr = 39.95; ρ = 1000 kg/m^3
Phantom section: Left Section

DASY4 Configuration:
- Probe: ES3DV3 - SN3036; ConvF(6.26, 6.26, 6.26); Calibrated: 16/9/2016
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: Dummy DAE - SN:456; Calibrated: 12/9/2016
- Phantom: TWIN SAM; Type: QD000P40CA; Serial: TP-1218
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

LTE Band 5-left-tilt-mid-50%RB /Area Scan (91x121x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.098 mW/g

LTE Band 5-left-tilt-mid-50%RB /Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 10.3 V/m; Power Drift = 0.017 dB
Peak SAR (extrapolated) = 0.151 W/kg
SAR(1 g) = 0.097 mW/g; SAR(10 g) = 0.068 mW/g
Maximum value of SAR (measured) = 0.102 mW/g



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

Test Plot 45#:LTE Band 5 Right Cheek High Channel

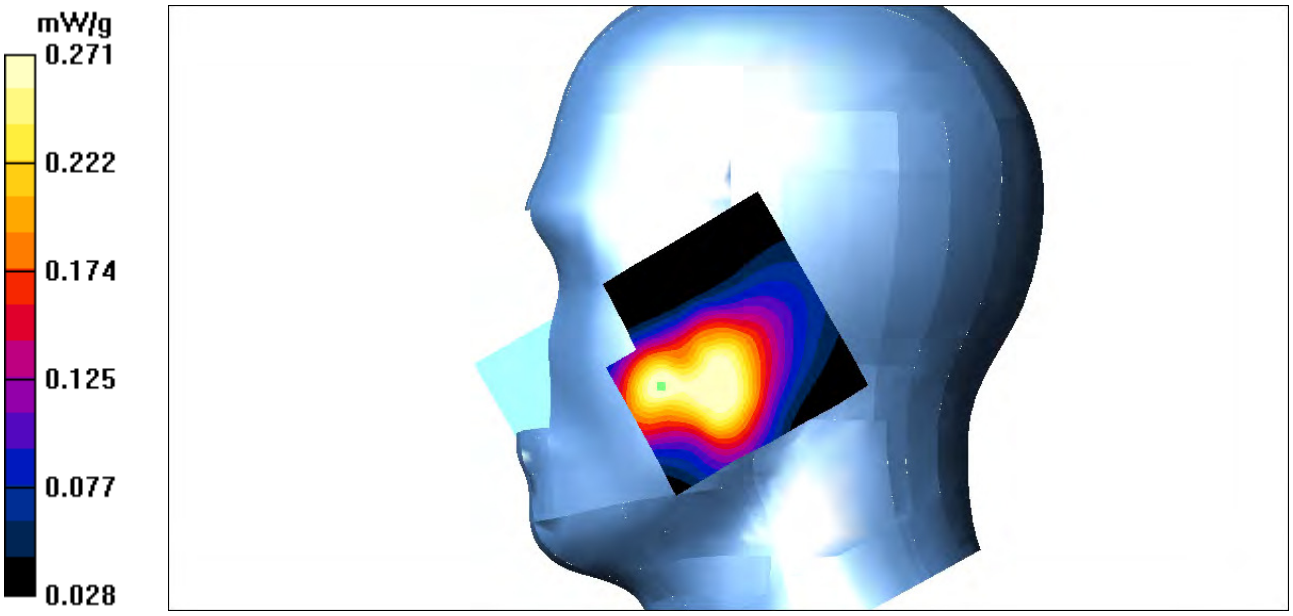
DUT: Mobile Phone ; Model: AX1055

Communication System: LTE 4G Band; Frequency: 844 MHz;Duty Cycle: 1:1
Medium parameters used: f = 844 MHz; σ = 0.90 S/m; εr = 39.90; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY4 Configuration:
- Probe: ES3DV3 - SN3036; ConvF(6.26, 6.26, 6.26); Calibrated: 16/9/2016
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: Dummy DAE - SN:456; Calibrated: 12/9/2016
- Phantom: TWIN SAM; Type: QD000P40CA; Serial: TP-1218
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

LTE Band 5-right-cheek-high-1RB /Area Scan (91x121x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.286 mW/g

LTE Band 5-right-cheek-high-1RB /Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 8.03 V/m; Power Drift = 0.183 dB
Peak SAR (extrapolated) = 0.372 W/kg
SAR(1 g) = 0.251 mW/g; SAR(10 g) = 0.153 mW/g
Maximum value of SAR (measured) = 0.271 mW/g



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

Test Plot 46#:LTE Band 5 Right Cheek Middle Channel

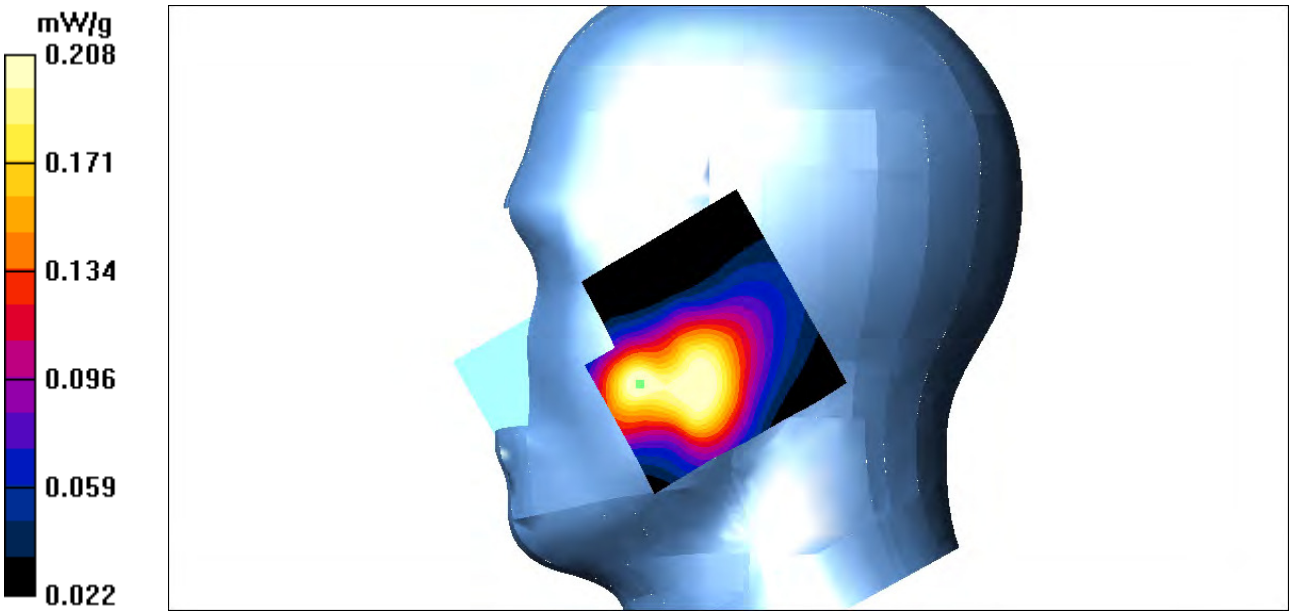
DUT: Mobile Phone ; Model: AX1055

Communication System: LTE 4G Band; Frequency: 836.5 MHz;Duty Cycle: 1:1
Medium parameters used: f = 836.5 MHz; σ = 0.90 S/m; εr = 39.95; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY4 Configuration:
- Probe: ES3DV3 - SN3036; ConvF(6.26, 6.26, 6.26); Calibrated: 16/9/2016
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: Dummy DAE - SN:456; Calibrated: 12/9/2016
- Phantom: TWIN SAM; Type: QD000P40CA; Serial: TP-1218
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

LTE Band 5-right-cheek-mid-50%RB /Area Scan (91x121x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.219 mW/g

LTE Band 5-right-cheek-mid-50%RB /Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 7.10 V/m; Power Drift = -0.025 dB
Peak SAR (extrapolated) = 0.286 W/kg
SAR(1 g) = 0.193 mW/g; SAR(10 g) = 0.125 mW/g
Maximum value of SAR (measured) = 0.208 mW/g



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

Test Plot 47#:LTE Band 5 Right Tilt High Channel

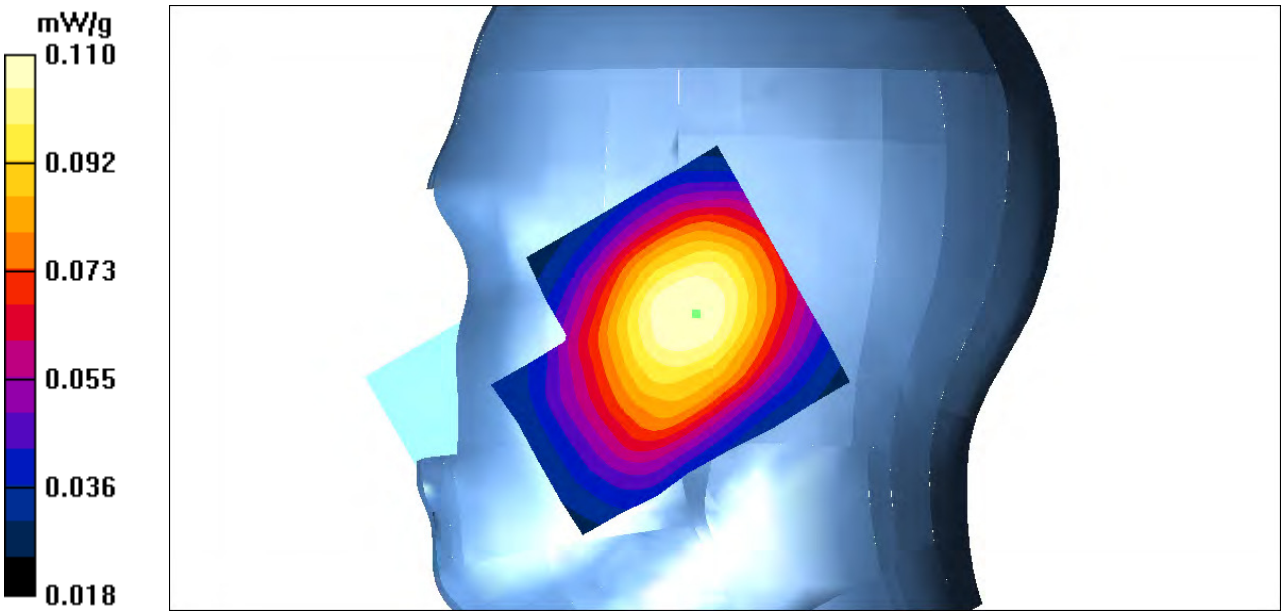
DUT: Mobile Phone ; Model: AX1055

Communication System: LTE 4G Band; Frequency: 844 MHz;Duty Cycle: 1:1
Medium parameters used: f = 844 MHz; σ = 0.90 S/m; εr = 39.90; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY4 Configuration:
- Probe: ES3DV3 - SN3036; ConvF(6.26, 6.26, 6.26); Calibrated: 16/9/2016
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: Dummy DAE - SN:456; Calibrated: 12/9/2016
- Phantom: TWIN SAM; Type: QD000P40CA; Serial: TP-1218
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

LTE Band 5-right-tilt-high-1RB /Area Scan (91x121x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.115 mW/g

LTE Band 5-right-tilt-high-1RB /Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 11.0 V/m; Power Drift = -0.015 dB
Peak SAR (extrapolated) = 0.144 W/kg
SAR(1 g) = 0.107 mW/g; SAR(10 g) = 0.076 mW/g
Maximum value of SAR (measured) = 0.110 mW/g



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

Test Plot 48#:LTE Band 5 Right Tilt Middle Channel

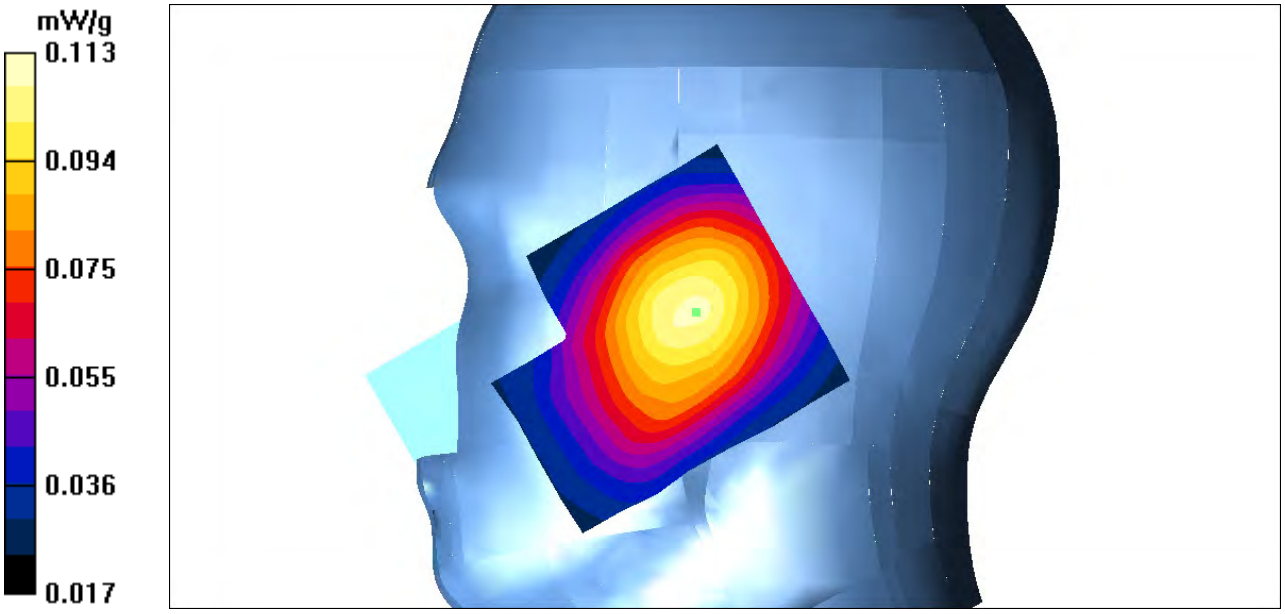
DUT: Mobile Phone ; Model: AX1055

Communication System: LTE 4G Band; Frequency: 836.5 MHz;Duty Cycle: 1:1
Medium parameters used: f = 836.5 MHz; σ = 0.90 S/m; εr = 39.95; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY4 Configuration:
- Probe: ES3DV3 - SN3036; ConvF(6.26, 6.26, 6.26); Calibrated: 16/9/2016
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: Dummy DAE - SN:456; Calibrated: 12/9/2016
- Phantom: TWIN SAM; Type: QD000P40CA; Serial: TP-1218
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

LTE Band 5-right-tilt-mid-50%RB /Area Scan (91x121x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.118 mW/g

LTE Band 5-right-tilt-mid-50%RB /Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 11.1 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 0.152 W/kg
SAR(1 g) = 0.110 mW/g; SAR(10 g) = 0.079 mW/g
Maximum value of SAR (measured) = 0.113 mW/g



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

Test Plot 49#: LTE Band 7 Left Cheek High Channel

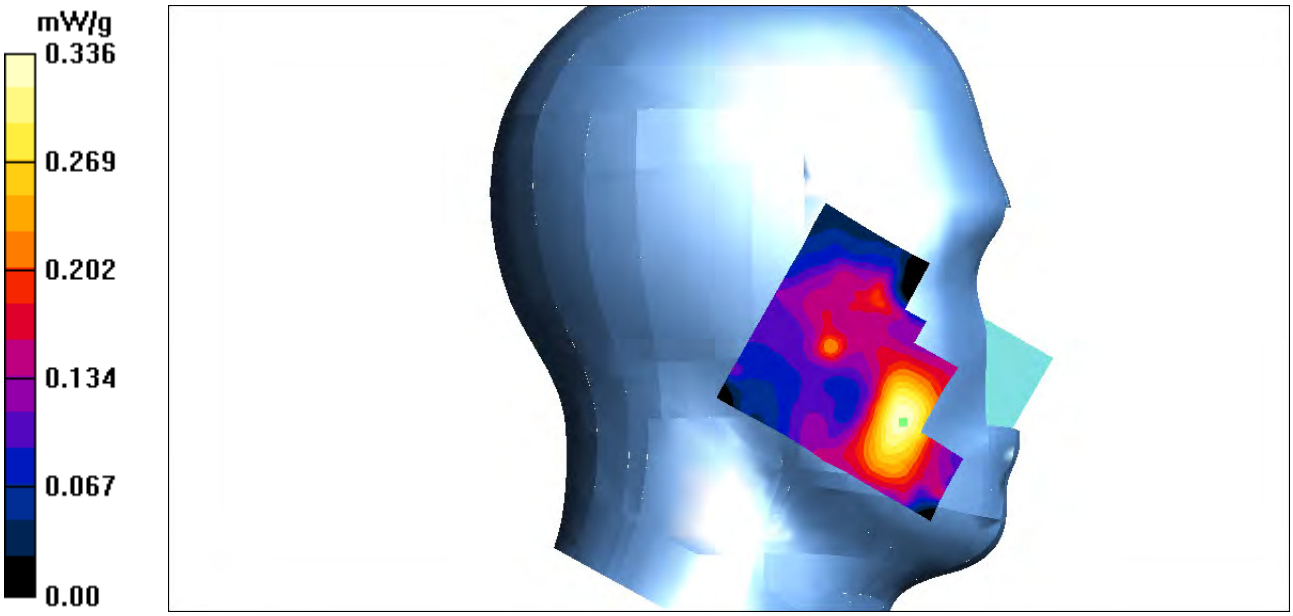
DUT: Mobile Phone ; Type: AX1055

Communication System: LTE 4G Band; Frequency: 2560 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2560 MHz; σ = 1.89 S/m; εr = 39.89; ρ = 1000 kg/m^3
Phantom section: Left Section

DASY4 Configuration:
- Probe: EX3DV4 - SN7431; ConvF(7.44, 7.44, 7.44); Calibrated: 04/10/2016
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: Dummy DAE - SN:456; Calibrated: 12/9/2016
- Phantom: TWIN SAM; Type: QD000P40CA; Serial: TP-1218
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

LTE Band 7-left-cheek-high-1RB /Area Scan (91x111x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.336 mW/g

LTE Band 7-left-cheek-high-1RB /Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 3.76V/m; Power Drift = 0.063 dB
Peak SAR (extrapolated) = 0.654 W/kg
SAR(1 g) = 0.282 mW/g; SAR(10 g) = 0.136 mW/g
Maximum value of SAR (measured) = 0.330 mW/g



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

Test Plot 50#: LTE Band 7 Left Cheek High Channel

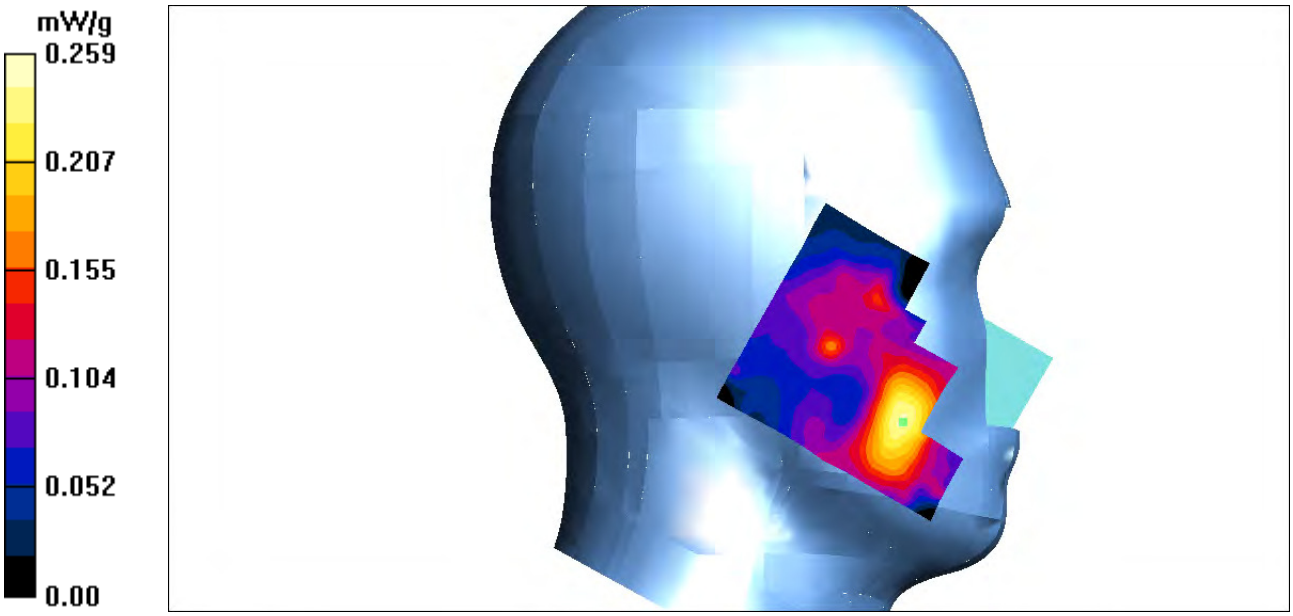
DUT: Mobile Phone ; Type: AX1055

Communication System: LTE 4G Band; Frequency: 2560 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2560 MHz; σ = 1.89 S/m; εr = 39.89; ρ = 1000 kg/m^3
Phantom section: Left Section

DASY4 Configuration:
- Probe: EX3DV4 - SN7431; ConvF(7.44, 7.44, 7.44); Calibrated: 04/10/2016
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: Dummy DAE - SN:456; Calibrated: 12/9/2016
- Phantom: TWIN SAM; Type: QD000P40CA; Serial: TP-1218
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

LTE Band 7-left-cheek-high-50%RB /Area Scan (91x111x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.259 mW/g

LTE Band 7-left-cheek-high-50%RB /Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 2.86V/m; Power Drift = -0.033 dB
Peak SAR (extrapolated) = 0.514 W/kg
SAR(1 g) = 0.211 mW/g; SAR(10 g) = 0.114 mW/g
Maximum value of SAR (measured) = 0.266 mW/g



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

Test Plot 51#: LTE Band 7 Left Tilt High Channel

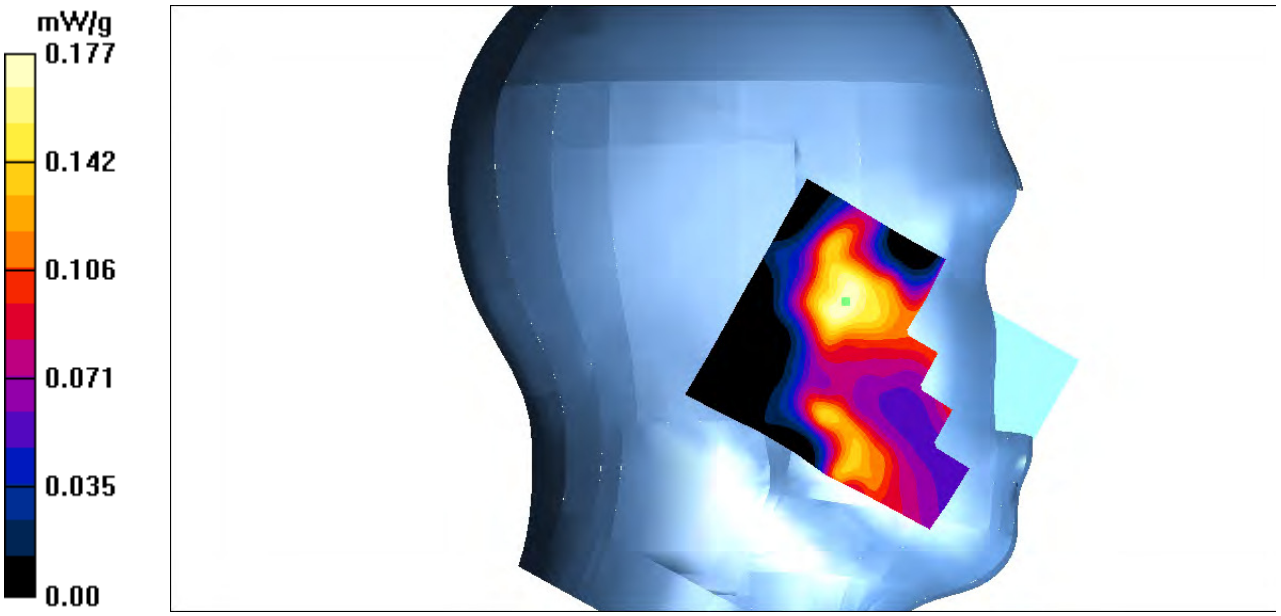
DUT: Mobile Phone ; Type: AX1055

Communication System: LTE 4G Band; Frequency: 2560 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2560 MHz; σ = 1.89 S/m; εr = 39.89; ρ = 1000 kg/m^3
Phantom section: Left Section

DASY4 Configuration:
- Probe: EX3DV4 - SN7431; ConvF(7.44, 7.44, 7.44); Calibrated: 04/10/2016
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: Dummy DAE - SN:456; Calibrated: 12/9/2016
- Phantom: TWIN SAM; Type: QD000P40CA; Serial: TP-1218
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

LTE Band 7-left-tilt-high-1RB /Area Scan (91x111x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.177 mW/g

LTE Band 7-left-tilt-high-1RB /Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 6.22 V/m; Power Drift = 0.079 dB
Peak SAR (extrapolated) = 0.307 W/kg
SAR(1 g) = 0.141 mW/g; SAR(10 g) = 0.076 mW/g
Maximum value of SAR (measured) = 0.171 mW/g



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

Test Plot 52#: LTE Band 7 Left Tilt High Channel

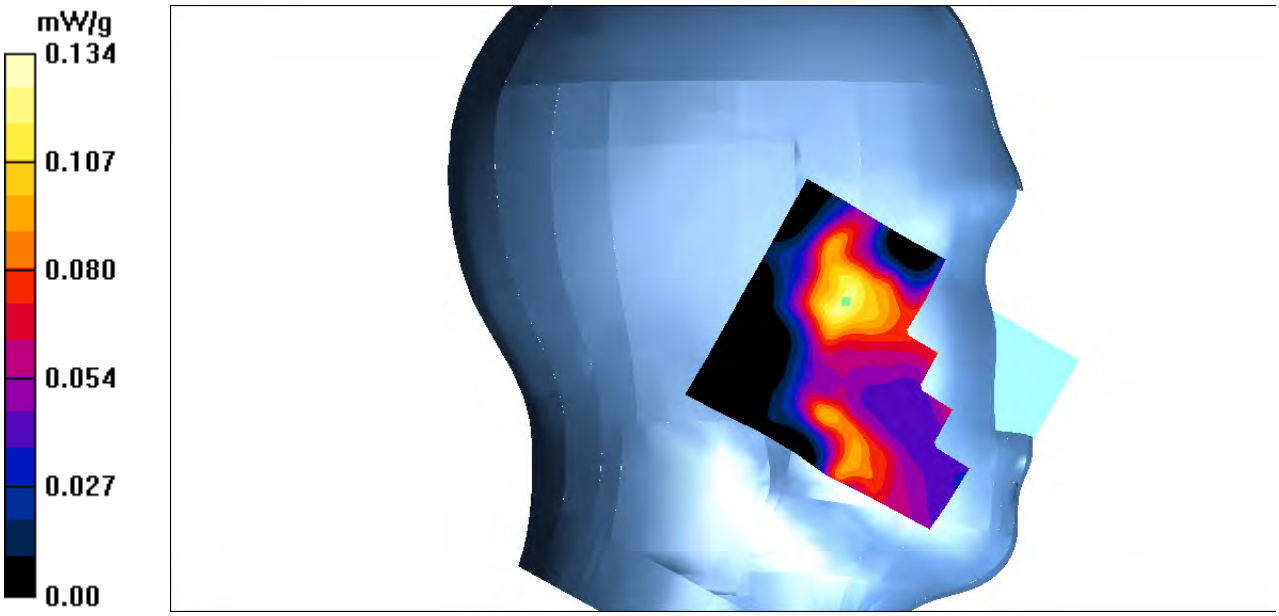
DUT: Mobile Phone ; Type: AX1055

Communication System: LTE 4G Band; Frequency: 2560 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2560 MHz; σ = 1.89 S/m; εr = 39.89; ρ = 1000 kg/m^3
Phantom section: Left Section

DASY4 Configuration:
- Probe: EX3DV4 - SN7431; ConvF(7.44, 7.44, 7.44); Calibrated: 04/10/2016
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: Dummy DAE - SN:456; Calibrated: 12/9/2016
- Phantom: TWIN SAM; Type: QD000P40CA; Serial: TP-1218
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

LTE Band 7-left-tilt-high-50%RB /Area Scan (91x111x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.134 mW/g

LTE Band 7-left-tilt-high-50%RB /Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 4.66 V/m; Power Drift = 0.059 dB
Peak SAR (extrapolated) = 0.229 W/kg
SAR(1 g) = 0.102 mW/g; SAR(10 g) = 0.057 mW/g
Maximum value of SAR (measured) = 0.135 mW/g



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

Test Plot 53#: LTE Band 7 Right Cheek High Channel

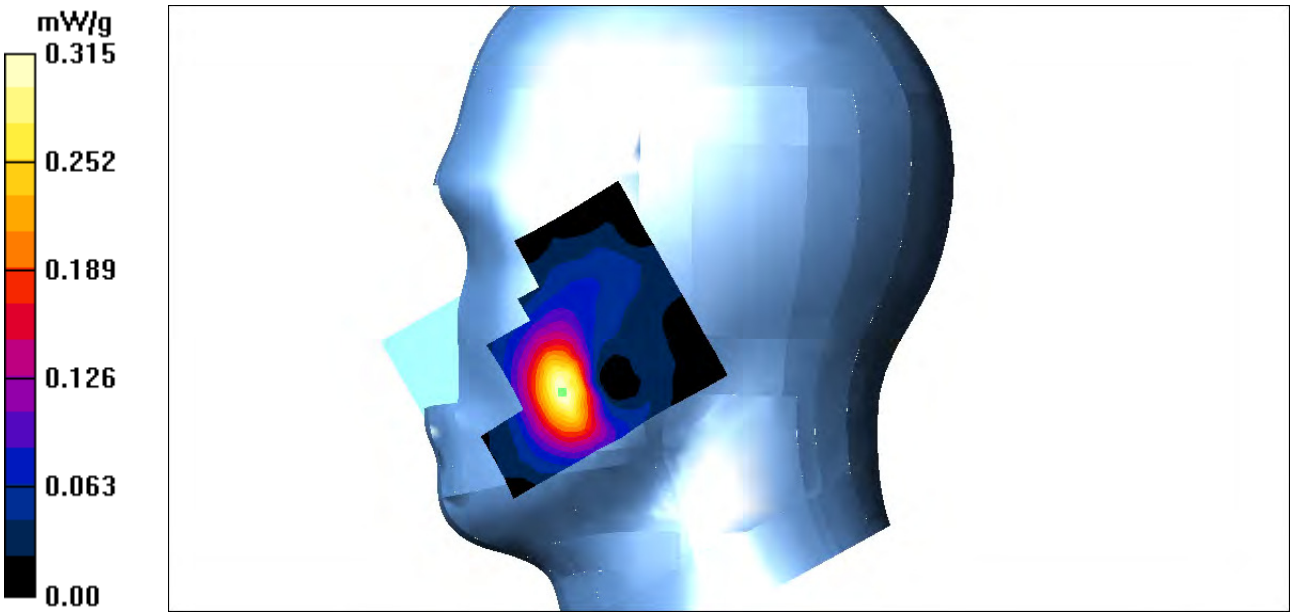
DUT: Mobile Phone ; Type: AX1055

Communication System: LTE 4G Band; Frequency: 2560 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2560 MHz; σ = 1.89 S/m; εr = 39.89; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY4 Configuration:
- Probe: EX3DV4 - SN7431; ConvF(7.44, 7.44, 7.44); Calibrated: 04/10/2016
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: Dummy DAE - SN:456; Calibrated: 12/9/2016
- Phantom: TWIN SAM; Type: QD000P40CA; Serial: TP-1218
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

LTE Band 7-right-cheek-high-1RB /Area Scan (91x111x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.315 mW/g

LTE Band 7-right-cheek-high-1RB /Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 3.26 V/m; Power Drift = -0.073 dB
Peak SAR (extrapolated) = 0.583 W/kg
SAR(1 g) = 0.264 mW/g; SAR(10 g) = 0.157 mW/g
Maximum value of SAR (measured) = 0.312 mW/g



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

Test Plot 54#: LTE Band 7 Right Cheek High Channel

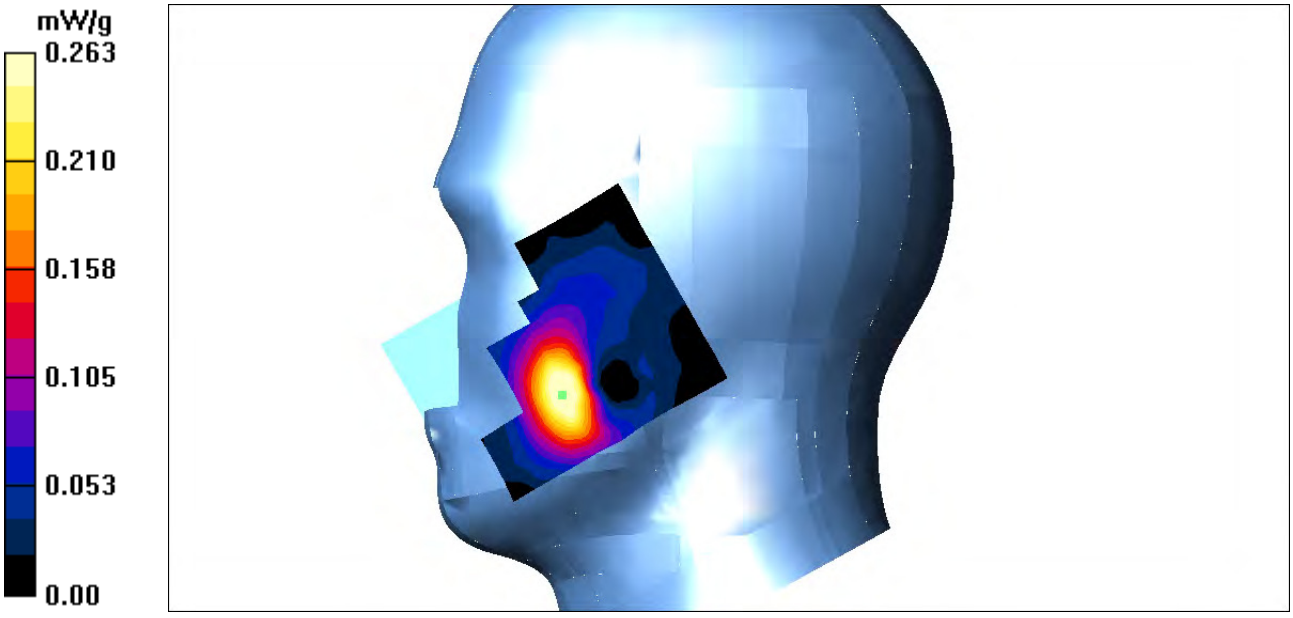
DUT: Mobile Phone ; Type: AX1055

Communication System: LTE 4G Band; Frequency: 2560 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2560 MHz; σ = 1.89 S/m; εr = 39.89; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY4 Configuration:
- Probe: EX3DV4 - SN7431; ConvF(7.44, 7.44, 7.44); Calibrated: 04/10/2016
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: Dummy DAE - SN:456; Calibrated: 12/9/2016
- Phantom: TWIN SAM; Type: QD000P40CA; Serial: TP-1218
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

LTE Band 7-right-cheek-high-50%RB /Area Scan (91x111x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.263 mW/g

LTE Band 7-right-cheek-high-50%RB /Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 3.83 V/m; Power Drift = -0.058 dB
Peak SAR (extrapolated) = 0.508 W/kg
SAR(1 g) = 0.214 mW/g; SAR(10 g) = 0.121 mW/g
Maximum value of SAR (measured) = 0.263 mW/g



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

Test Plot 55#: LTE Band 7 Right Tilt High Channel

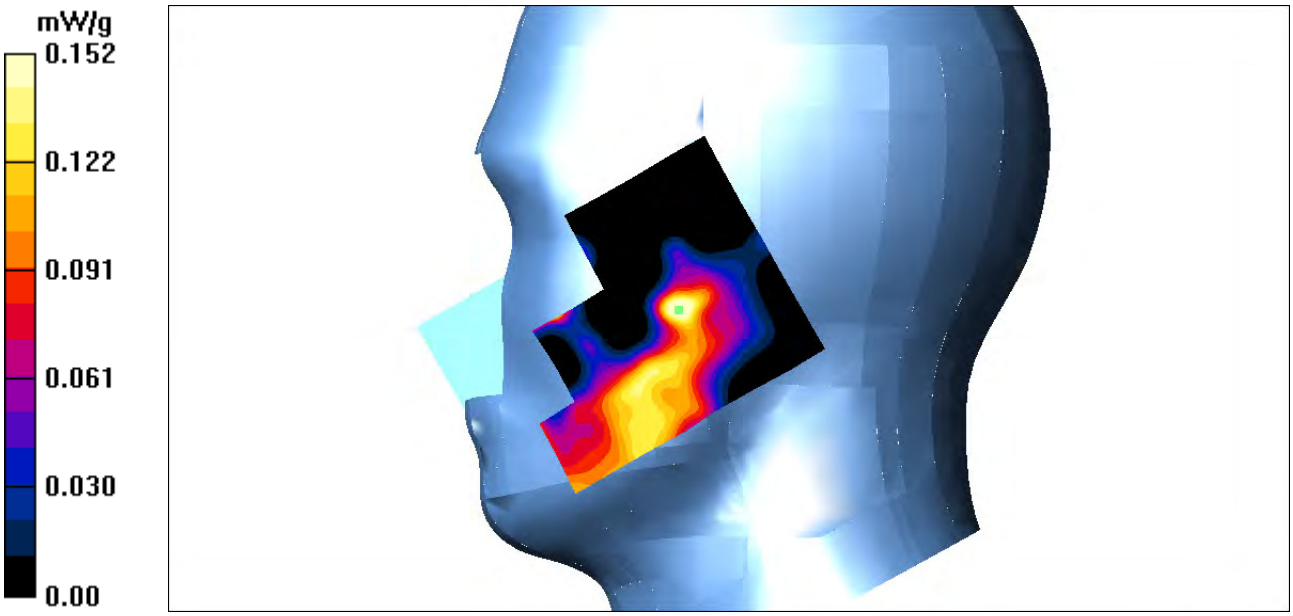
DUT: Mobile Phone ; Type: AX1055

Communication System: LTE 4G Band; Frequency: 2560 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2560 MHz; σ = 1.89 S/m; εr = 39.89; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY4 Configuration:
- Probe: EX3DV4 - SN7431; ConvF(7.44, 7.44, 7.44); Calibrated: 04/10/2016
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: Dummy DAE - SN:456; Calibrated: 12/9/2016
- Phantom: TWIN SAM; Type: QD000P40CA; Serial: TP-1218
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

LTE Band 7-right-tilt-high-1RB /Area Scan (91x111x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.152 mW/g

LTE Band 7-right-tilt-high-1RB /Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 5.39 V/m; Power Drift = 0.032 dB
Peak SAR (extrapolated) = 0.278 W/kg
SAR(1 g) = 0.116 mW/g; SAR(10 g) = 0.051 mW/g
Maximum value of SAR (measured) = 0.159 mW/g



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

Test Plot 56#: LTE Band 7 Right Tilt High Channel

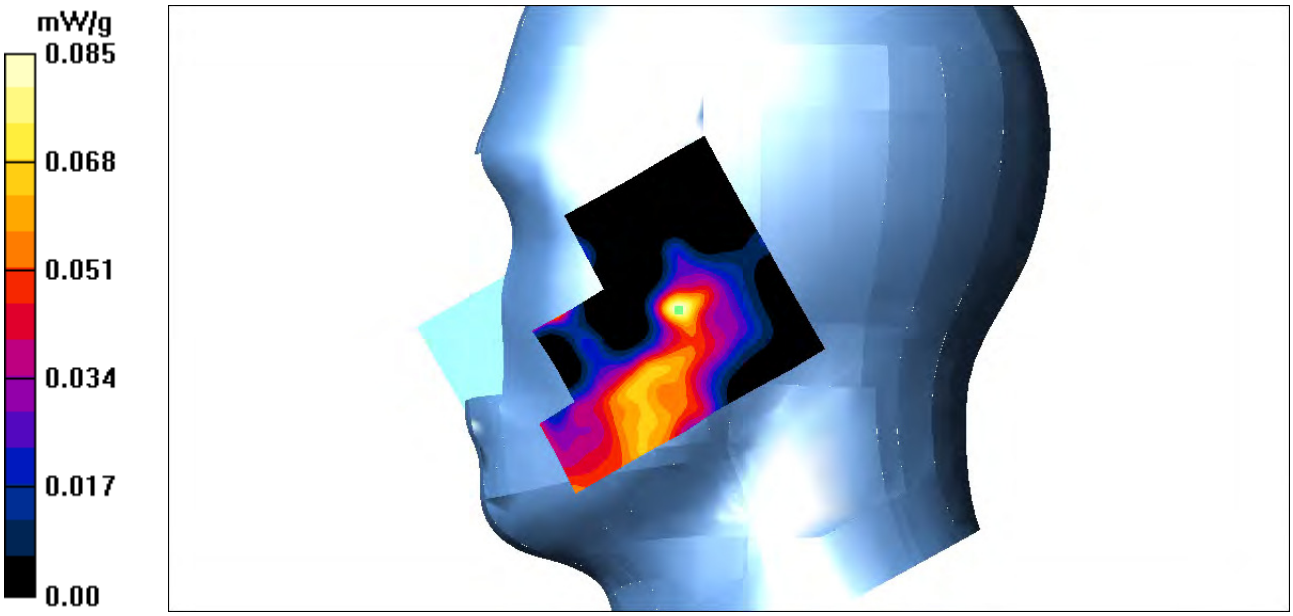
DUT: Mobile Phone ; Type: AX1055

Communication System: LTE 4G Band; Frequency: 2560 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2560 MHz; σ = 1.89 S/m; εr = 39.89; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY4 Configuration:
- Probe: EX3DV4 - SN7431; ConvF(7.44, 7.44, 7.44); Calibrated: 04/10/2016
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: Dummy DAE - SN:456; Calibrated: 12/9/2016
- Phantom: TWIN SAM; Type: QD000P40CA; Serial: TP-1218
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

LTE Band 7-right-tilt-high-50%RB /Area Scan (91x111x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.085 mW/g

LTE Band 7-right-tilt-high-50%RB /Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 4.69 V/m; Power Drift = -0.061 dB
Peak SAR (extrapolated) = 0.152 W/kg
SAR(1 g) = 0.068 mW/g; SAR(10 g) = 0.037 mW/g
Maximum value of SAR (measured) = 0.081 mW/g



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

Test Plot 57#:GSM 850 Body Worn Headset Middle Channel

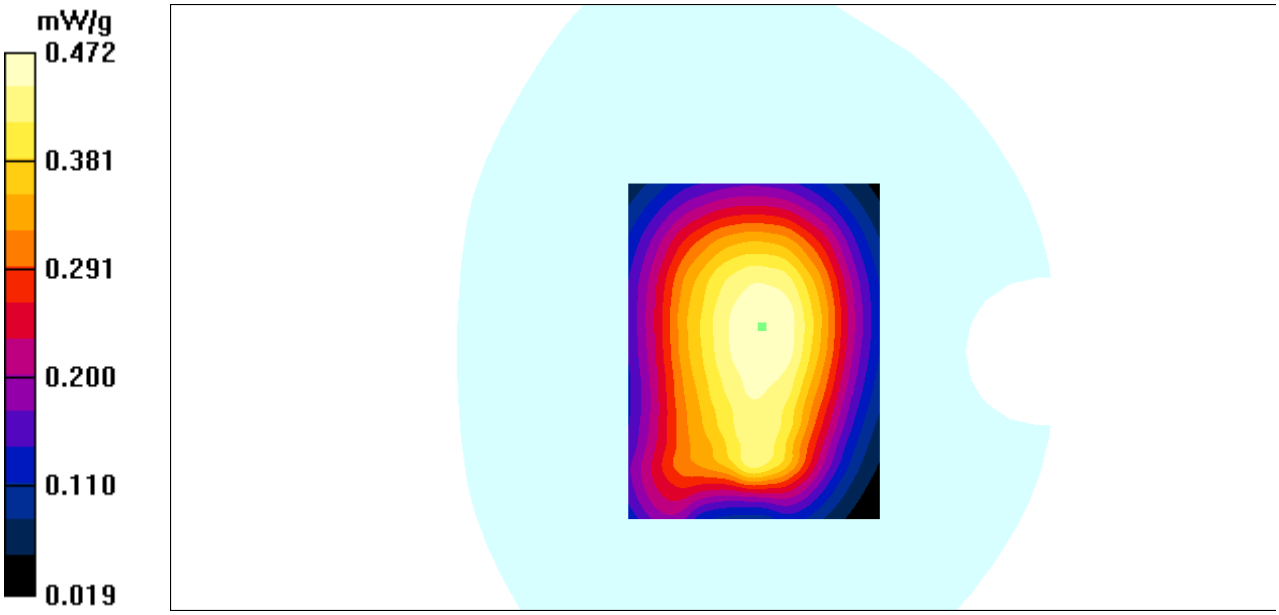
DUT: Mobile Phone ; Model: AX1055

Communication System: 2G Band; Frequency: 836.6 MHz;Duty Cycle: 1:8
Medium parameters used: f = 836.6 MHz; σ = 0.99 S/m; εr = 53.23; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
- Probe: ES3DV3 - SN3036; ConvF(6.20, 6.20, 6.20); Calibrated: 16/9/2016
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: Dummy DAE - SN:456; Calibrated: 12/9/2016
- Phantom: TWIN SAM; Type: QD000P40CA; Serial: TP-1218
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

GSM 850-body-worn-headset-mid/Area Scan (91x121x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.472 mW/g

GSM 850-body-worn-headset-mid /Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 23.0 V/m; Power Drift = -0.026 dB
Peak SAR (extrapolated) = 0.529 W/kg
SAR(1 g) = 0.456 mW/g; SAR(10 g) = 0.368 mW/g
Maximum value of SAR (measured) = 0.475 mW/g



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

Test Plot 58#:GSM 850 Body Worn Back Low Channel

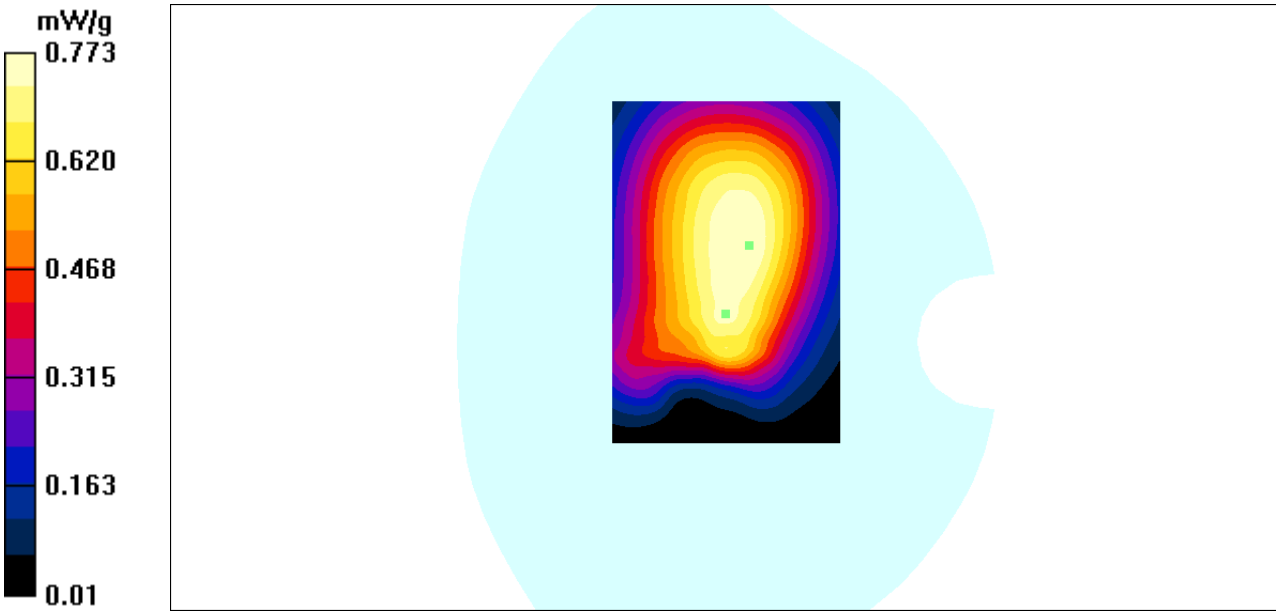
DUT: Mobile Phone ; Model: AX1055

Communication System: 2G-gprs-4slots; Frequency: 824.2 MHz;Duty Cycle: 1:2
Medium parameters used: f = 824.2 MHz; σ = 0.99 S/m; εr = 53.28; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
- Probe: ES3DV3 - SN3036; ConvF(6.20, 6.20, 6.20); Calibrated: 16/9/2016
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: Dummy DAE - SN:456; Calibrated: 12/9/2016
- Phantom: TWIN SAM; Type: QD000P40CA; Serial: TP-1218
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

GSM 850-body-worn-back-low/Area Scan (91x121x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.773 mW/g

GSM 850-body-worn-back-low /Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 27.1 V/m; Power Drift = -0.025 dB
Peak SAR (extrapolated) = 0.899 W/kg
SAR(1 g) = 0.749 mW/g; SAR(10 g) = 0.601 mW/g
Maximum value of SAR (measured) = 0.778 mW/g



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

Test Plot 59#:GSM 850 Body Worn Back Middle Channel

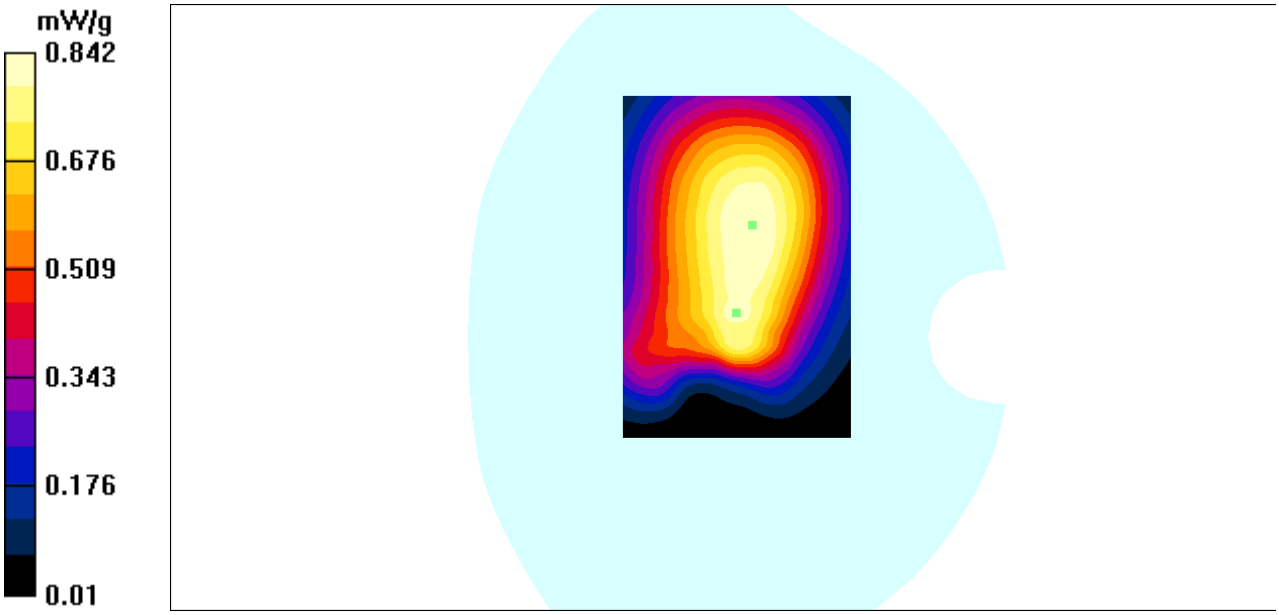
DUT: Mobile Phone ; Model: AX1055

Communication System: 2G-gprs-4slots; Frequency: 836.6 MHz;Duty Cycle: 1:2
Medium parameters used: f = 836.6 MHz; σ = 0.99 S/m; εr = 53.28; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
- Probe: ES3DV3 - SN3036; ConvF(6.20, 6.20, 6.20); Calibrated: 16/9/2016
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: Dummy DAE - SN:456; Calibrated: 12/9/2016
- Phantom: TWIN SAM; Type: QD000P40CA; Serial: TP-1218
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

GSM 850-body-worn-back-mid/Area Scan (91x121x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.842 mW/g

GSM 850-body-worn-back-mid /Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 28.7 V/m; Power Drift = -0.133 dB
Peak SAR (extrapolated) = 0.968 W/kg
SAR(1 g) = 0.809 mW/g; SAR(10 g) = 0.649 mW/g
Maximum value of SAR (measured) = 0.836 mW/g



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

Test Plot 60#:GSM 850 Body Worn Back High Channel

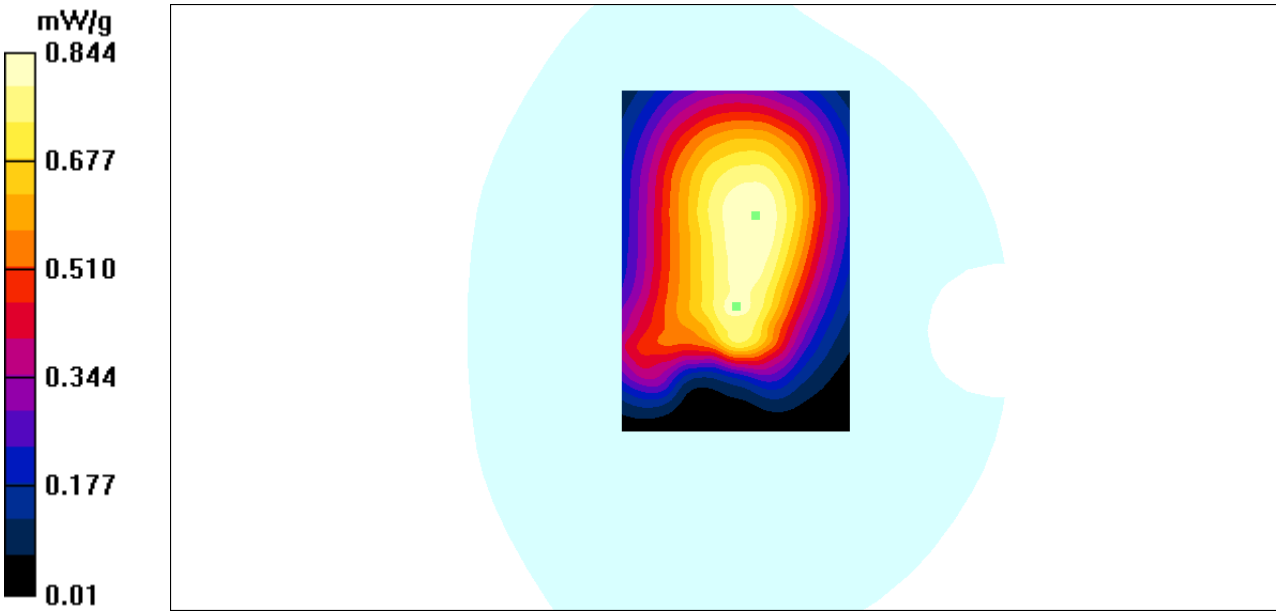
DUT: Mobile Phone ; Model: AX1055

Communication System: 2G-gprs-4slots; Frequency: 848.8 MHz;Duty Cycle: 1:2
Medium parameters used: f = 848.8 MHz; σ = 0.99 S/m; εr = 53.28; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
- Probe: ES3DV3 - SN3036; ConvF(6.20, 6.20, 6.20); Calibrated: 16/9/2016
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: Dummy DAE - SN:456; Calibrated: 12/9/2016
- Phantom: TWIN SAM; Type: QD000P40CA; Serial: TP-1218
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

GSM 850-body-worn-back-high/Area Scan (91x121x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.844 mW/g

GSM 850-body-worn-back-high /Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 28.1 V/m; Power Drift = -0.064 dB
Peak SAR (extrapolated) = 0.972 W/kg
SAR(1 g) = 0.805 mW/g; SAR(10 g) = 0.644 mW/g
Maximum value of SAR (measured) = 0.842 mW/g



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

Test Plot 61#:GSM 850 Body Worn Left High Channel

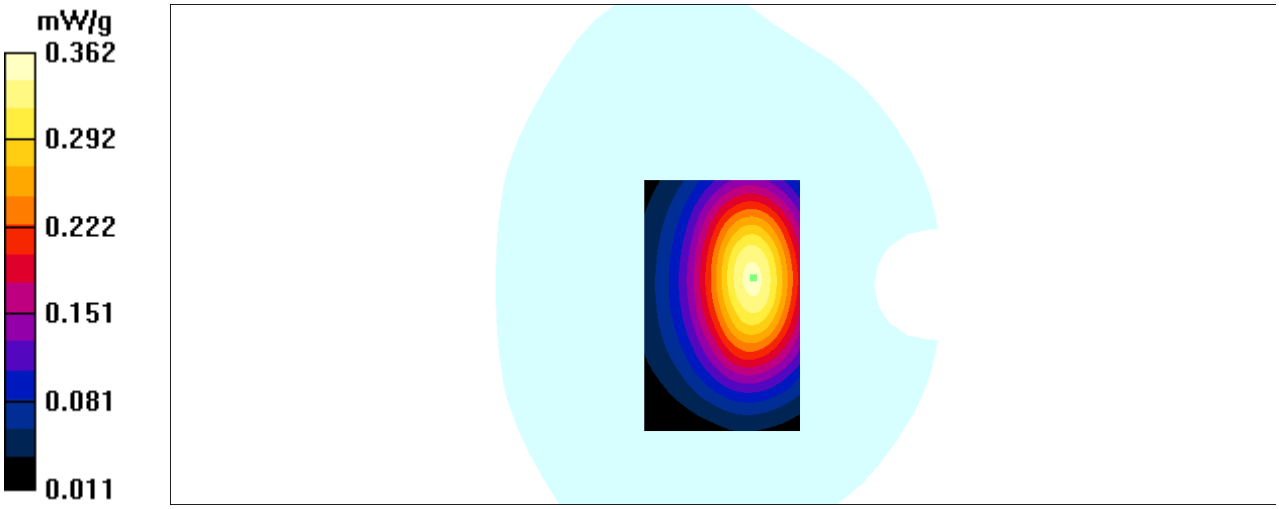
DUT: Mobile Phone ; Model: AX1055

Communication System: 2G-gprs-4slots; Frequency: 848.8 MHz;Duty Cycle: 1:2
Medium parameters used: f = 848.8 MHz; σ = 0.99 S/m; εr = 53.28; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
- Probe: ES3DV3 - SN3036; ConvF(6.20, 6.20, 6.20); Calibrated: 16/9/2016
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: Dummy DAE - SN:456; Calibrated: 12/9/2016
- Phantom: TWIN SAM; Type: QD000P40CA; Serial: TP-1218
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

GSM 850-body-worn-left-high/Area Scan (91x121x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.362 mW/g

GSM 850-body-worn-left-high /Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 15.3 V/m; Power Drift = 0.051 dB
Peak SAR (extrapolated) = 0.433 W/kg
SAR(1 g) = 0.318 mW/g; SAR(10 g) = 0.231 mW/g
Maximum value of SAR (measured) = 0.350 mW/g



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

Test Plot 62#:GSM 850 Body Worn Right High Channel

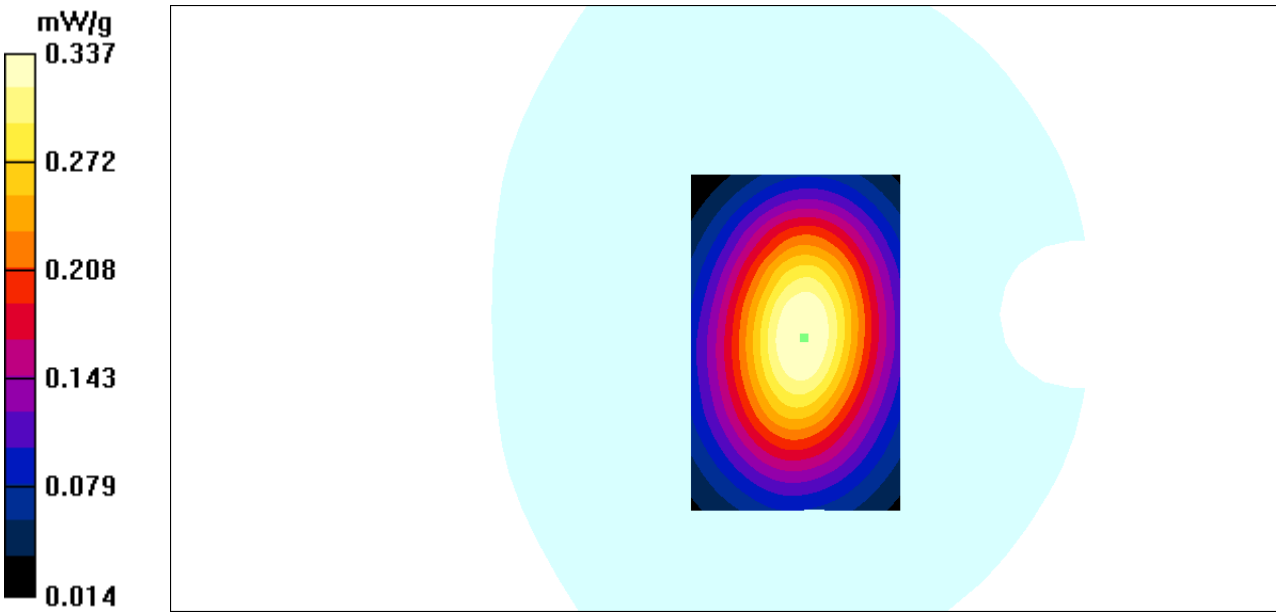
DUT: Mobile Phone ; Model: AX1055

Communication System: 2G-gprs-4slots; Frequency: 848.8 MHz;Duty Cycle: 1:2
Medium parameters used: f = 848.8 MHz; σ = 0.99 S/m; εr = 53.28; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
- Probe: ES3DV3 - SN3036; ConvF(6.20, 6.20, 6.20); Calibrated: 16/9/2016
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: Dummy DAE - SN:456; Calibrated: 12/9/2016
- Phantom: TWIN SAM; Type: QD000P40CA; Serial: TP-1218
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

GSM 850-body-worn-right-high/Area Scan (91x121x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.337 mW/g

GSM 850-body-worn-right-high /Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 18.6 V/m; Power Drift = -0.046 dB
Peak SAR (extrapolated) = 0.421 W/kg
SAR(1 g) = 0.283 mW/g; SAR(10 g) = 0.204 mW/g
Maximum value of SAR (measured) = 0.322 mW/g



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

Test Plot 63#:GSM 850 Body Worn Bottom High Channel

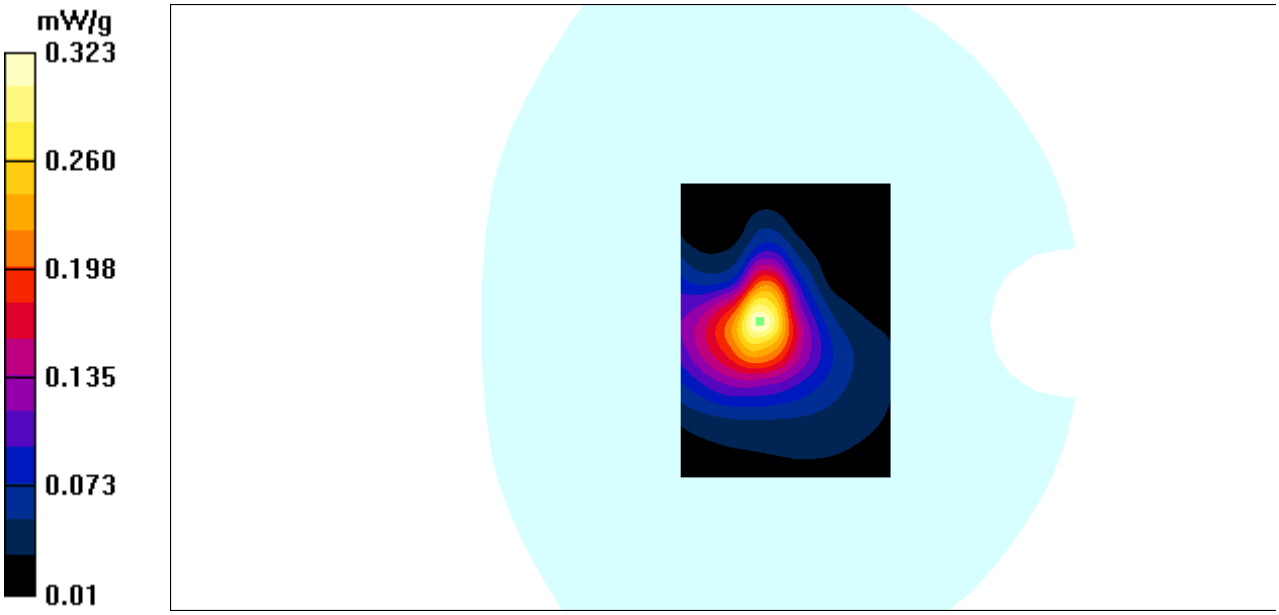
DUT: Mobile Phone ; Model: AX1055

Communication System: 2G-gprs-4slots; Frequency: 848.8 MHz;Duty Cycle: 1:2
Medium parameters used: f = 848.8 MHz; σ = 0.99 S/m; εr = 53.28; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
- Probe: ES3DV3 - SN3036; ConvF(6.20, 6.20, 6.20); Calibrated: 16/9/2016
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: Dummy DAE - SN:456; Calibrated: 12/9/2016
- Phantom: TWIN SAM; Type: QD000P40CA; Serial: TP-1218
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

GSM 850-body-worn-bottom-high/Area Scan (91x121x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.323 mW/g

GSM 850-body-worn-bottom-high /Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 16.8 V/m; Power Drift = -0.050 dB
Peak SAR (extrapolated) = 0.460 W/kg
SAR(1 g) = 0.272 mW/g; SAR(10 g) = 0.161 mW/g
Maximum value of SAR (measured) = 0.308 mW/g



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

Test Plot 64#:PCS 1900 Body Worn Headset Middle Channel

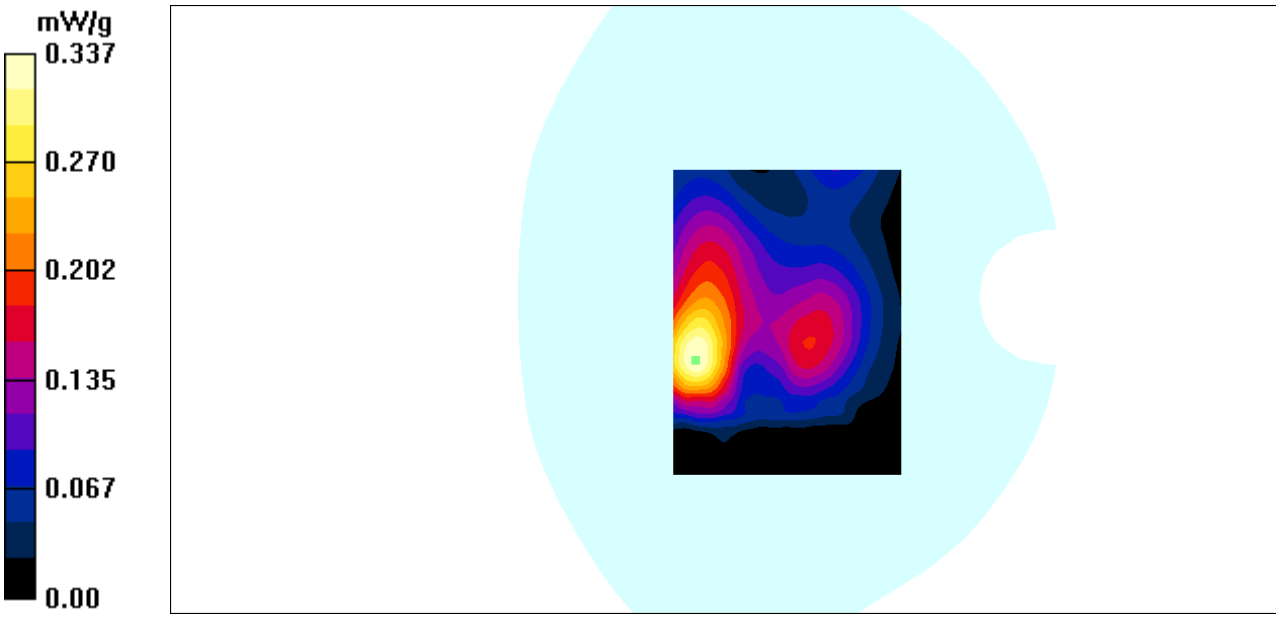
DUT: Mobile Phone ; Model: AX1055

Communication System: 2G Band; Frequency: 1880 MHz;Duty Cycle: 1:8
Medium parameters used: f =1880 MHz; σ = 1.52 S/m; εr = 51.48; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
- Probe: ES3DV3 - SN3036; ConvF(4.79, 4.79, 4.79); Calibrated: 16/9/2016
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: Dummy DAE - SN:456; Calibrated: 12/9/2016
- Phantom: TWIN SAM; Type: QD000P40CA; Serial: TP-1218
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

PCS 1900-body-worn-headset-mid /Area Scan (91x121x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.337 mW/g

PCS 1900-body-worn-headset-mid /Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 9.41 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 0.599 W/kg
SAR(1 g) = 0.310 mW/g; SAR(10 g) = 0.165 mW/g
Maximum value of SAR (measured) = 0.343 mW/g



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

Test Plot 65#:PCS 1900 Body Worn Back Middle Channel

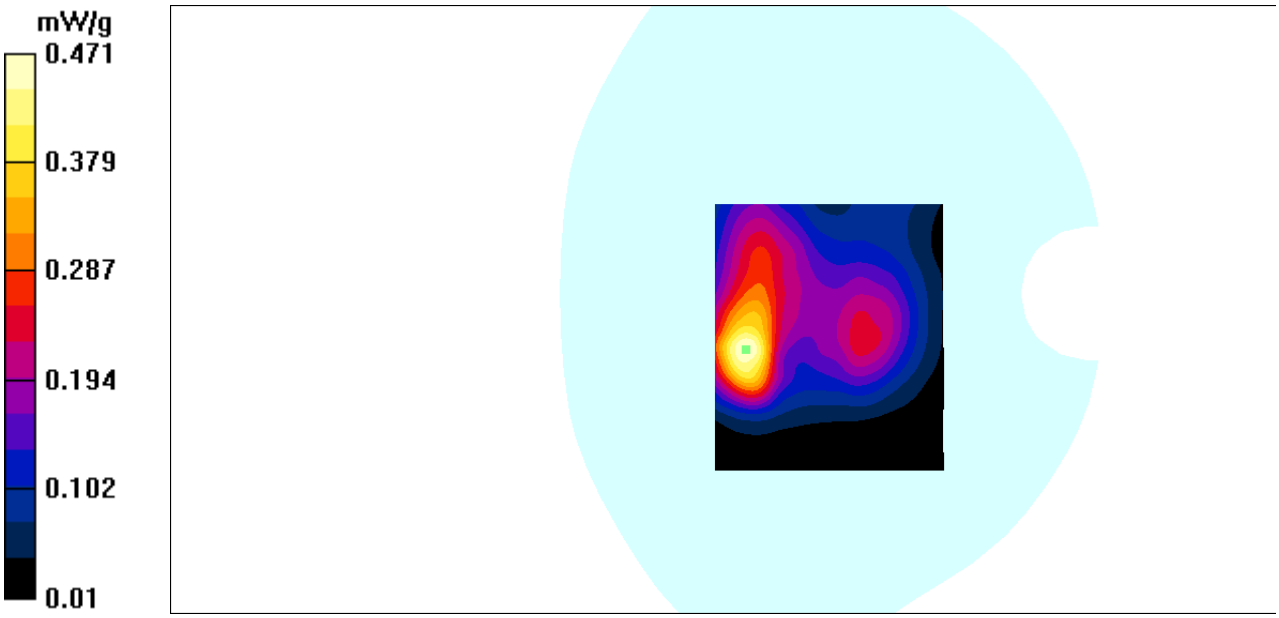
DUT: Mobile Phone ; Model: AX1055

Communication System: 2G-gprs-4slots; Frequency: 1880 MHz;Duty Cycle: 1:2
Medium parameters used: f =1880 MHz; σ = 1.52 S/m; εr = 51.48; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
- Probe: ES3DV3 - SN3036; ConvF(4.79, 4.79, 4.79); Calibrated: 16/9/2016
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: Dummy DAE - SN:456; Calibrated: 12/9/2016
- Phantom: TWIN SAM; Type: QD000P40CA; Serial: TP-1218
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

PCS 1900-body-worn-back-mid /Area Scan (91x121x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.471 mW/g

PCS 1900-body-worn-back-mid /Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 10.6 V/m; Power Drift = -0.019 dB
Peak SAR (extrapolated) = 0.789 W/kg
SAR(1 g) = 0.402 mW/g; SAR(10 g) = 0.209 mW/g
Maximum value of SAR (measured) = 0.429 mW/g



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

Test Plot 66#:PCS 1900 Body Worn Left Middle Channel

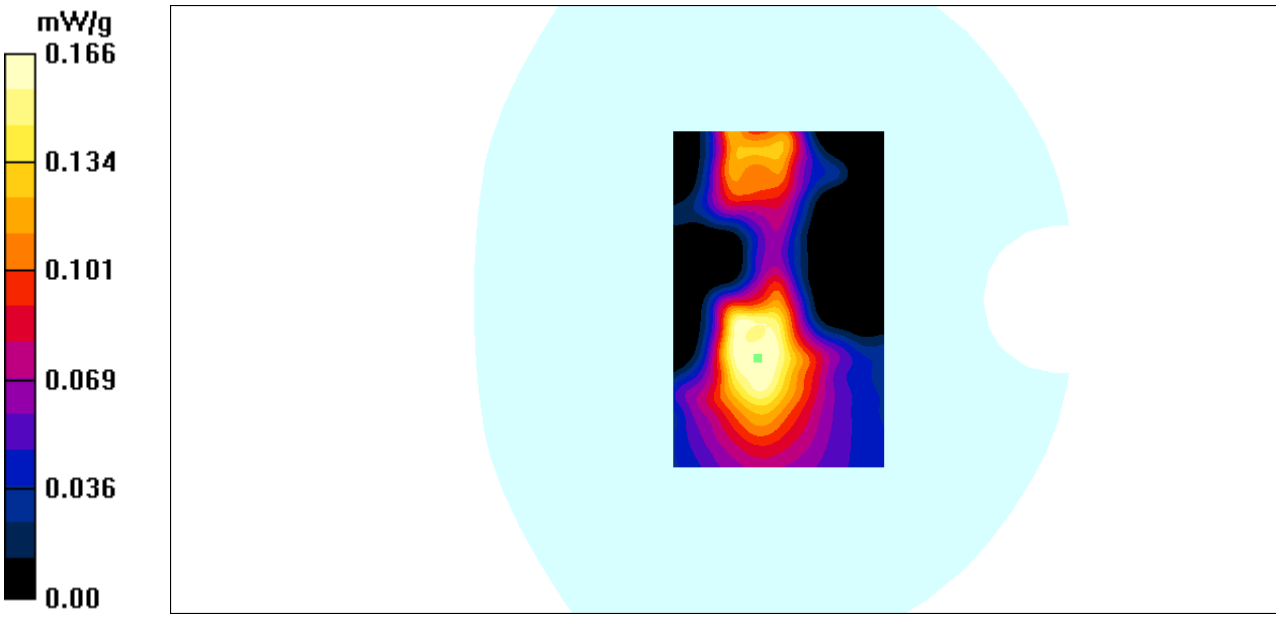
DUT: Mobile Phone ; Model: AX1055

Communication System: 2G-gprs-4slots; Frequency: 1880 MHz;Duty Cycle: 1:2
Medium parameters used: f =1880 MHz; σ = 1.52 S/m; εr = 51.48; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
- Probe: ES3DV3 - SN3036; ConvF(4.79, 4.79, 4.79); Calibrated: 16/9/2016
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: Dummy DAE - SN:456; Calibrated: 12/9/2016
- Phantom: TWIN SAM; Type: QD000P40CA; Serial: TP-1218
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

PCS 1900-body-worn-left-mid /Area Scan (91x121x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.174 mW/g

PCS 1900-body-worn-left-mid /Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 7.66 V/m; Power Drift = -0.00 dB
Peak SAR (extrapolated) = 0.266 W/kg
SAR(1 g) = 0.151 mW/g; SAR(10 g) = 0.077 mW/g
Maximum value of SAR (measured) = 0.166 mW/g



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

Test Plot 67#:PCS 1900 Body Worn Right Middle Channel

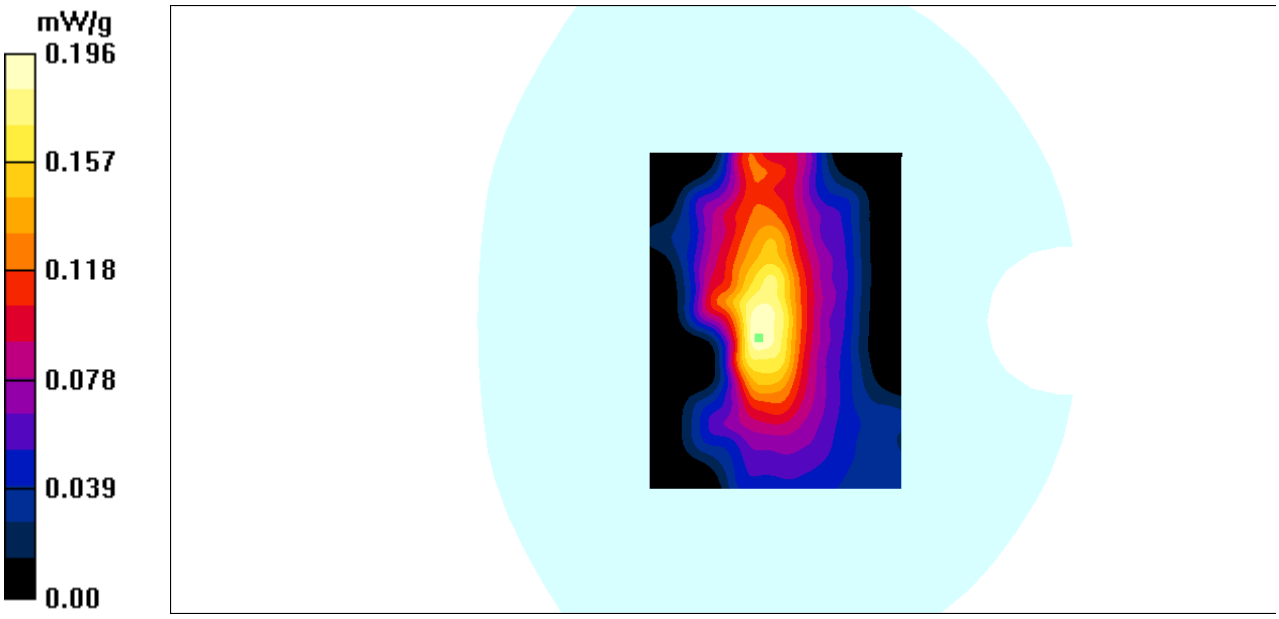
DUT: Mobile Phone ; Model: AX1055

Communication System: 2G-gprs-4slots; Frequency: 1880 MHz;Duty Cycle: 1:2
Medium parameters used: f =1880 MHz; σ = 1.52 S/m; εr = 51.48; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
- Probe: ES3DV3 - SN3036; ConvF(4.79, 4.79, 4.79); Calibrated: 16/9/2016
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: Dummy DAE - SN:456; Calibrated: 12/9/2016
- Phantom: TWIN SAM; Type: QD000P40CA; Serial: TP-1218
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

PCS 1900-body-worn-right-mid /Area Scan (91x121x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.196 mW/g

PCS 1900-body-worn-right-mid /Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 11.2 V/m; Power Drift = -0.075 dB
Peak SAR (extrapolated) = 0.281 W/kg
SAR(1 g) = 0.164 mW/g; SAR(10 g) = 0.085 mW/g
Maximum value of SAR (measured) = 0.182 mW/g



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

Test Plot 68#:PCS 1900 Body Worn Bottom Middle Channel

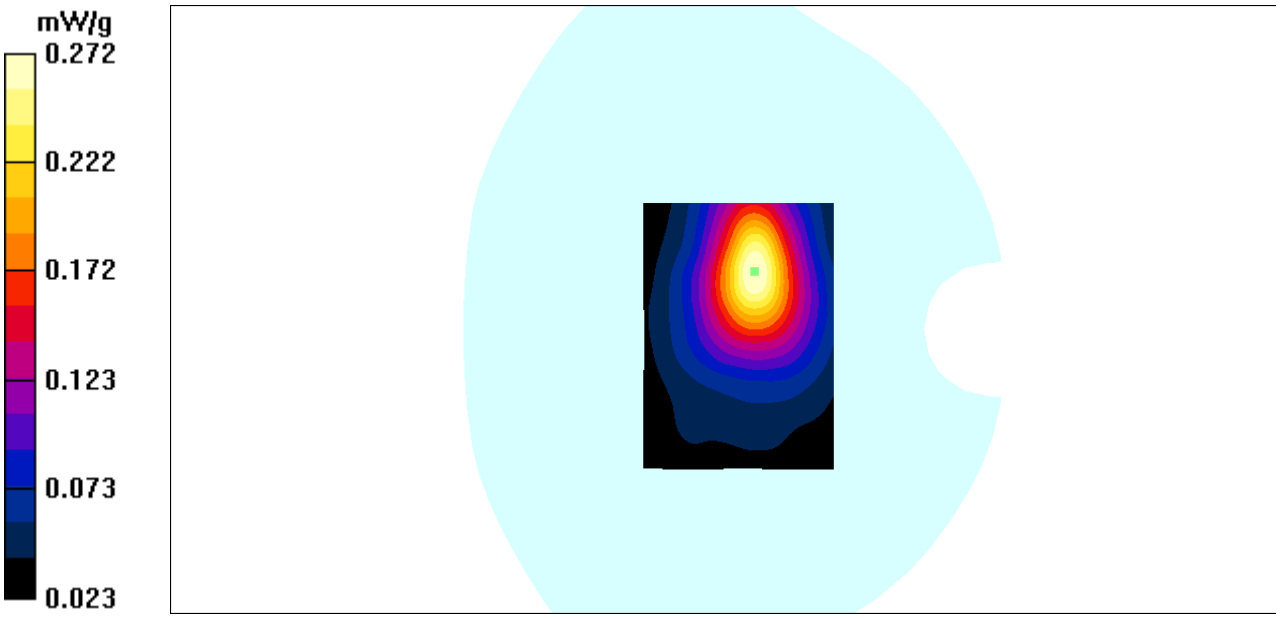
DUT: Mobile Phone ; Model: AX1055

Communication System: 2G-gprs-4slots; Frequency: 1880 MHz;Duty Cycle: 1:2
Medium parameters used: f =1880 MHz; σ = 1.52 S/m; εr = 51.48; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
- Probe: ES3DV3 - SN3036; ConvF(4.79, 4.79, 4.79); Calibrated: 16/9/2016
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: Dummy DAE - SN:456; Calibrated: 12/9/2016
- Phantom: TWIN SAM; Type: QD000P40CA; Serial: TP-1218
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

PCS 1900-body-worn-bottom-mid /Area Scan (91x121x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.272 mW/g

PCS 1900-body-worn-bottom-mid /Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 10.2 V/m; Power Drift = -0.192 dB
Peak SAR (extrapolated) = 0.456 W/kg
SAR(1 g) = 0.249 mW/g; SAR(10 g) = 0.138 mW/g
Maximum value of SAR (measured) = 0.273 mW/g



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

Test Plot 69#: WCDMA 850 Body Worn Back Middle Channel

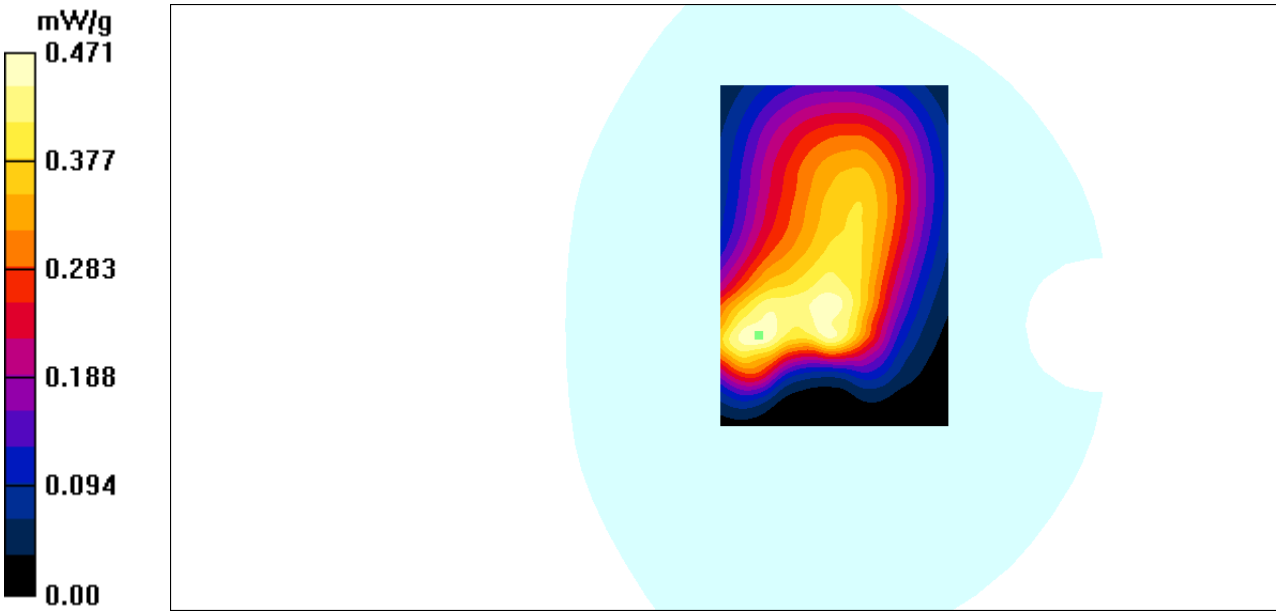
DUT: Mobile Phone ; Model: AX1055

Communication System: 3G Band; Frequency: 836.6 MHz;Duty Cycle: 1:1
Medium parameters used: f = 836.6 MHz; σ = 0.99 S/m; εr = 53.23; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
- Probe: ES3DV3 - SN3036; ConvF(6.20, 6.20, 6.20); Calibrated: 16/9/2016
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: Dummy DAE - SN:456; Calibrated: 12/9/2016
- Phantom: TWIN SAM; Type: QD000P40CA; Serial: TP-1218
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

WCDMA 850-body-worn-back-mid/Area Scan (91x121x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.471 mW/g

WCDMA 850-body-worn-back-mid /Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 22.1 V/m; Power Drift = -0.031 dB
Peak SAR (extrapolated) = 0.737 W/kg
SAR(1 g) = 0.426 mW/g; SAR(10 g) = 0.267 mW/g
Maximum value of SAR (measured) = 0.448 mW/g



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

Test Plot 70#:WCDMA 850 Body Worn Left Middle Channel

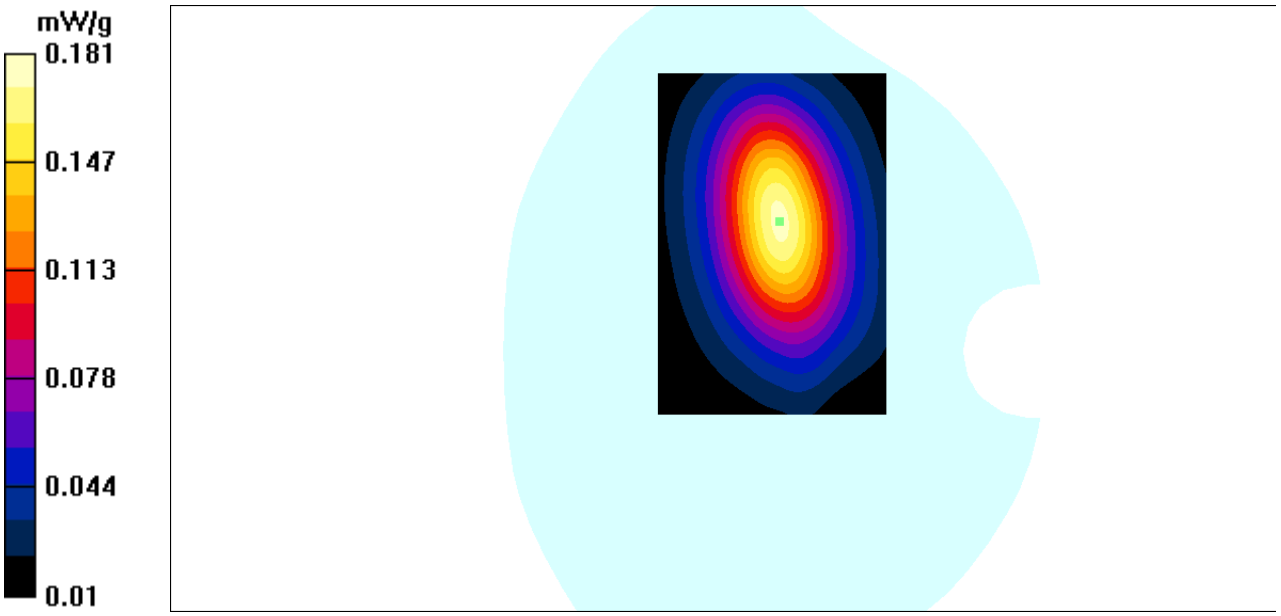
DUT: Mobile Phone ; Model: AX1055

Communication System: 3G Band; Frequency: 836.6 MHz;Duty Cycle: 1:1
Medium parameters used: f = 836.6 MHz; σ = 0.99 S/m; εr = 53.23; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
- Probe: ES3DV3 - SN3036; ConvF(6.20, 6.20, 6.20); Calibrated: 16/9/2016
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: Dummy DAE - SN:456; Calibrated: 12/9/2016
- Phantom: TWIN SAM; Type: QD000P40CA; Serial: TP-1218
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

WCDMA 850-body-worn-left-mid/Area Scan (91x121x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.181 mW/g

WCDMA 850-body-worn-left-mid /Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 11.8 V/m; Power Drift = -0.177 dB
Peak SAR (extrapolated) = 0.261 W/kg
SAR(1 g) = 0.168 mW/g; SAR(10 g) = 0.122 mW/g
Maximum value of SAR (measured) = 0.185 mW/g



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

Test Plot 71#:WCDMA 850 Body Worn Right Middle Channel

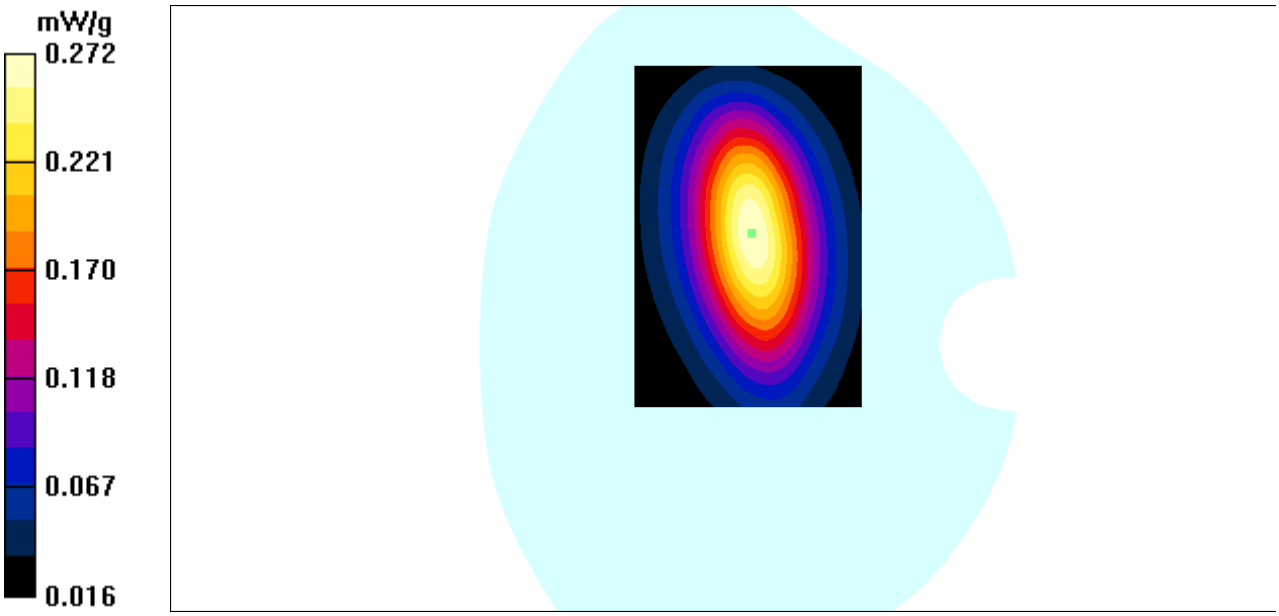
DUT: Mobile Phone ; Model: AX1055

Communication System: 3G Band; Frequency: 836.6 MHz;Duty Cycle: 1:1
Medium parameters used: f = 836.6 MHz; σ = 0.99 S/m; εr = 53.23; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
- Probe: ES3DV3 - SN3036; ConvF(6.20, 6.20, 6.20); Calibrated: 16/9/2016
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: Dummy DAE - SN:456; Calibrated: 12/9/2016
- Phantom: TWIN SAM; Type: QD000P40CA; Serial: TP-1218
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

WCDMA 850-body-worn-right-mid/Area Scan (91x121x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.272 mW/g

WCDMA 850-body-worn-right-mid /Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value =19.1 V/m; Power Drift = 0.076 dB
Peak SAR (extrapolated) = 0.338 W/kg
SAR(1 g) = 0.221 mW/g; SAR(10 g) = 0.171 mW/g
Maximum value of SAR (measured) = 0.246 mW/g



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

Test Plot 72#:WCDMA 850 Body Worn Bottom Middle Channel

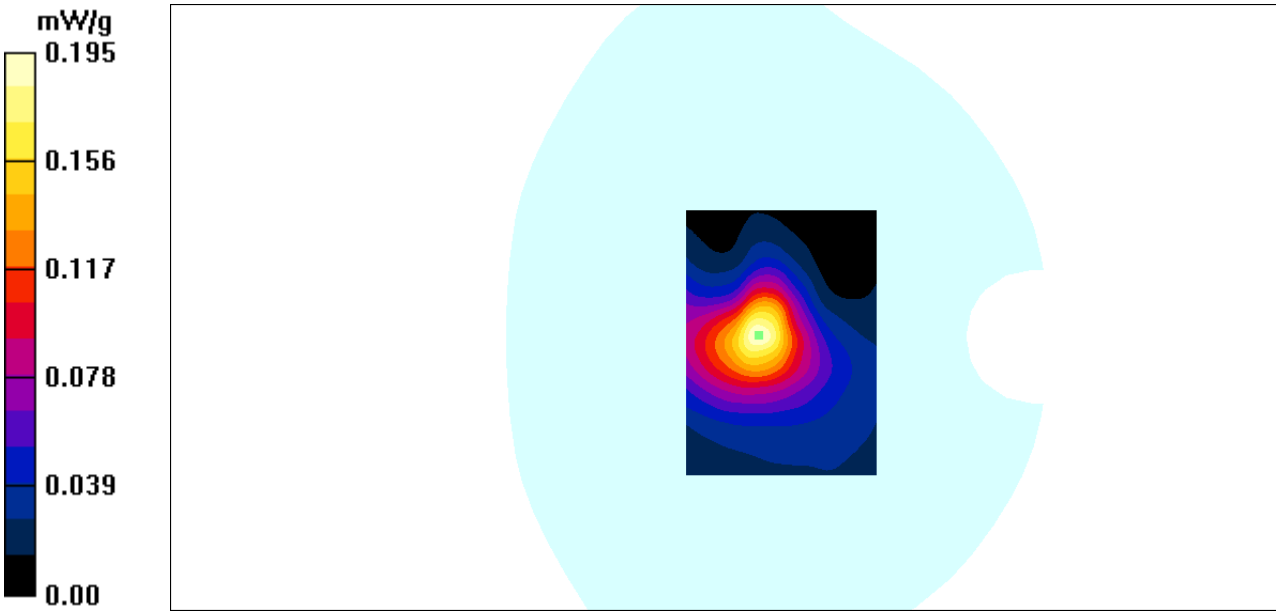
DUT: Mobile Phone ; Model: AX1055

Communication System: 3G Band; Frequency: 836.6 MHz;Duty Cycle: 1:1
Medium parameters used: f = 836.6 MHz; σ = 0.99 S/m; εr = 53.23; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
- Probe: ES3DV3 - SN3036; ConvF(6.20, 6.20, 6.20); Calibrated: 16/9/2016
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: Dummy DAE - SN:456; Calibrated: 12/9/2016
- Phantom: TWIN SAM; Type: QD000P40CA; Serial: TP-1218
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

WCDMA 850-body-worn-bottom-mid/Area Scan (91x121x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.195 mW/g

WCDMA 850-body-worn-bottom-mid /Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 13.5 V/m; Power Drift = 0.087 dB
Peak SAR (extrapolated) = 0.257 W/kg
SAR(1 g) = 0.167 mW/g; SAR(10 g) = 0.105 mW/g
Maximum value of SAR (measured) = 0.182 mW/g



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

Test Plot 73#:WCDMA 1900 Body Worn Back Low Channel

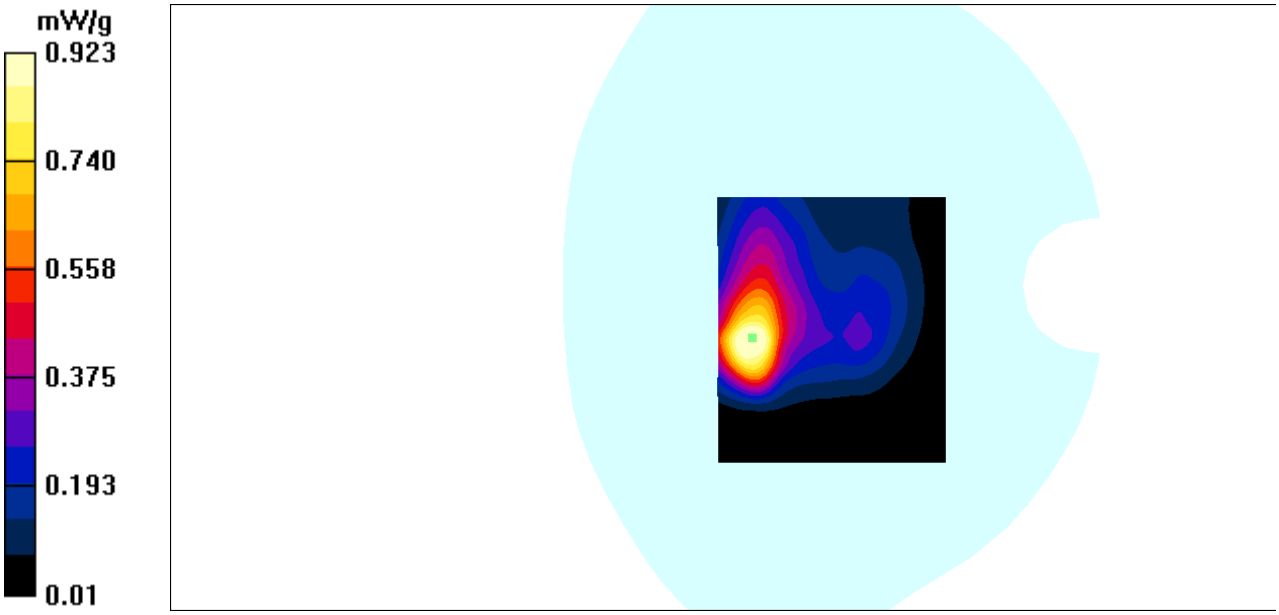
DUT: Mobile Phone ; Model: AX1055

Communication System: 3G Band; Frequency: 1852.4 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1852.4 MHz; σ = 1.51 S/m; εr = 52.36; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
- Probe: ES3DV3 - SN3036; ConvF(4.79, 4.79, 4.79); Calibrated: 16/9/2016
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: Dummy DAE - SN:456; Calibrated: 12/9/2016
- Phantom: TWIN SAM; Type: QD000P40CA; Serial: TP-1218
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

WCDMA 1900-body-worn-back-low /Area Scan (91x121x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 1.01 mW/g

WCDMA 1900-body-worn-back-low /Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 11.0 V/m; Power Drift = 0.042 dB
Peak SAR (extrapolated) = 1.85 W/kg
SAR(1 g) = 0.861 mW/g; SAR(10 g) = 0.428 mW/g
Maximum value of SAR (measured) = 0.923 mW/g



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

Test Plot 74#:WCDMA 1900 Body Worn Back Middle Channel

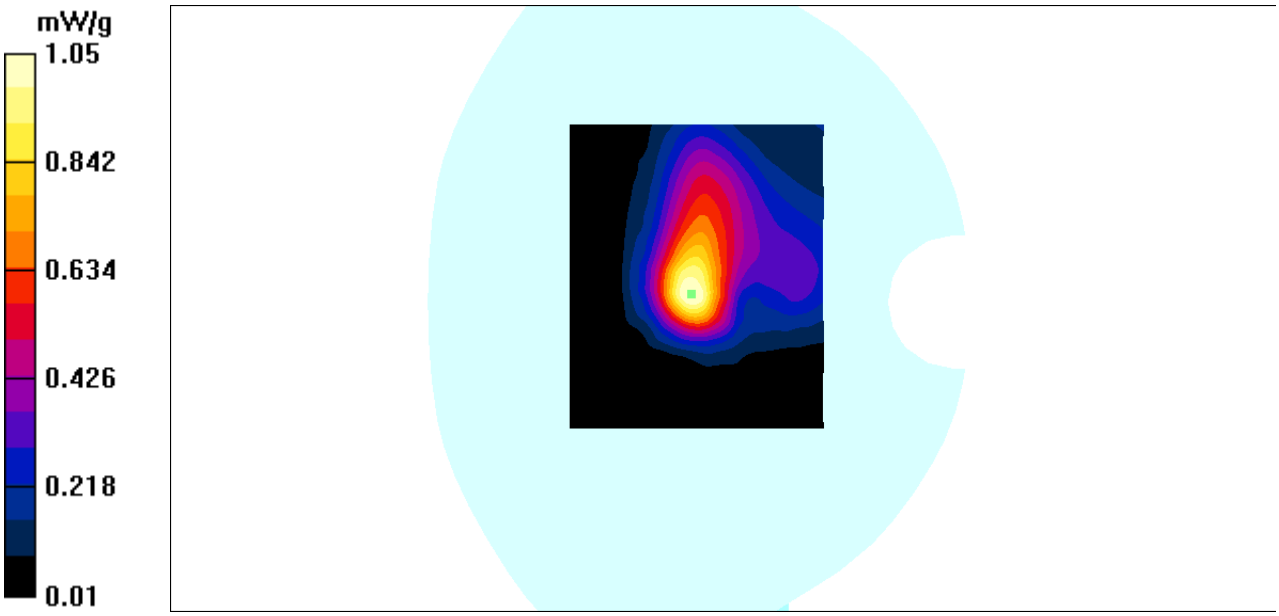
DUT: Mobile Phone ; Model: AX1055

Communication System: 3G Band; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1880 MHz; σ = 1.52 S/m; εr = 51.48; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
- Probe: ES3DV3 - SN3036; ConvF(4.79, 4.79, 4.79); Calibrated: 16/9/2016
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: Dummy DAE - SN:456; Calibrated: 12/9/2016
- Phantom: TWIN SAM; Type: QD000P40CA; Serial: TP-1218
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

WCDMA 1900-body-worn-back-mid /Area Scan (91x121x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 1.08 mW/g

WCDMA 1900-body-worn-back-mid /Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 26.1 V/m; Power Drift = 0.212 dB
Peak SAR (extrapolated) = 2.09 W/kg
SAR(1 g) = 0.963 mW/g; SAR(10 g) = 0.478 mW/g
Maximum value of SAR (measured) = 1.05 mW/g



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

Test Plot 75#:WCDMA 1900 Body Worn Back High Channel

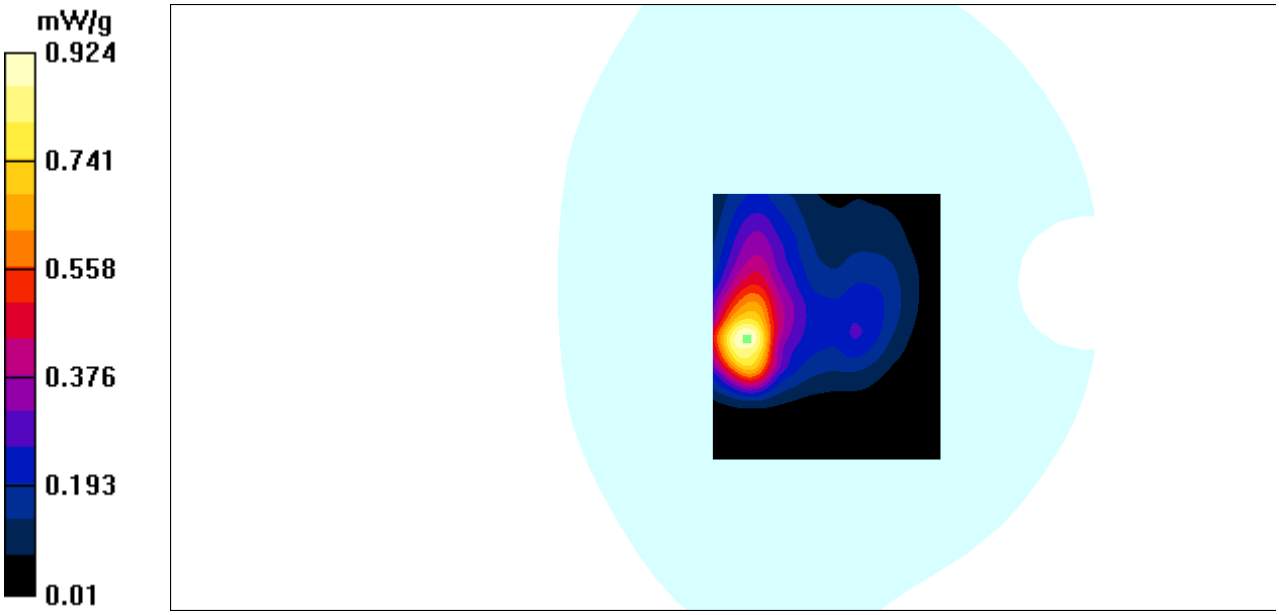
DUT: Mobile Phone ; Model: AX1055

Communication System: 3G Band; Frequency: 1907.6 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1907.6 MHz; σ = 1.52 S/m; εr = 51.19; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
- Probe: ES3DV3 - SN3036; ConvF(4.79, 4.79, 4.79); Calibrated: 16/9/2016
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: Dummy DAE - SN:456; Calibrated: 12/9/2016
- Phantom: TWIN SAM; Type: QD000P40CA; Serial: TP-1218
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

WCDMA 1900-body-worn-back-high/Area Scan (91x121x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.924 mW/g

WCDMA 1900-body-worn-back-high /Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 10.3 V/m; Power Drift = -0.090 dB
Peak SAR (extrapolated) = 1.74 W/kg
SAR(1 g) = 0.801 mW/g; SAR(10 g) = 0.396 mW/g
Maximum value of SAR (measured) = 0.852 mW/g



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

Test Plot 76#:WCDMA 1900 Body Worn Left High Channel

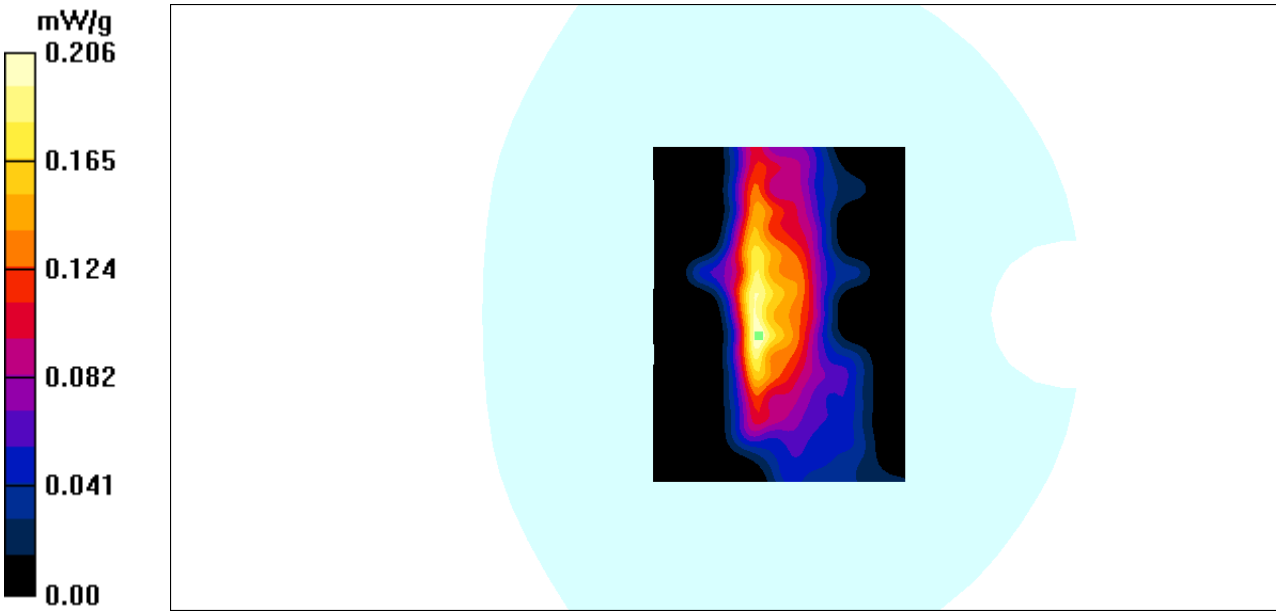
DUT: Mobile Phone ; Model: AX1055

Communication System: 3G Band; Frequency: 1907.6 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1907.6 MHz; σ = 1.52 S/m; εr = 51.19; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
- Probe: ES3DV3 - SN3036; ConvF(4.79, 4.79, 4.79); Calibrated: 16/9/2016
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: Dummy DAE - SN:456; Calibrated: 12/9/2016
- Phantom: TWIN SAM; Type: QD000P40CA; Serial: TP-1218
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

WCDMA 1900-body-worn-left-high/Area Scan (91x121x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.206 mW/g

WCDMA 1900-body-worn-left-high /Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 9.76 V/m; Power Drift = 0.142 dB
Peak SAR (extrapolated) = 0.177 W/kg
SAR(1 g) = 0.126 mW/g; SAR(10 g) = 0.059 mW/g
Maximum value of SAR (measured) = 0.149 mW/g



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

Test Plot 77#:WCDMA 1900 Body Worn Right High Channel

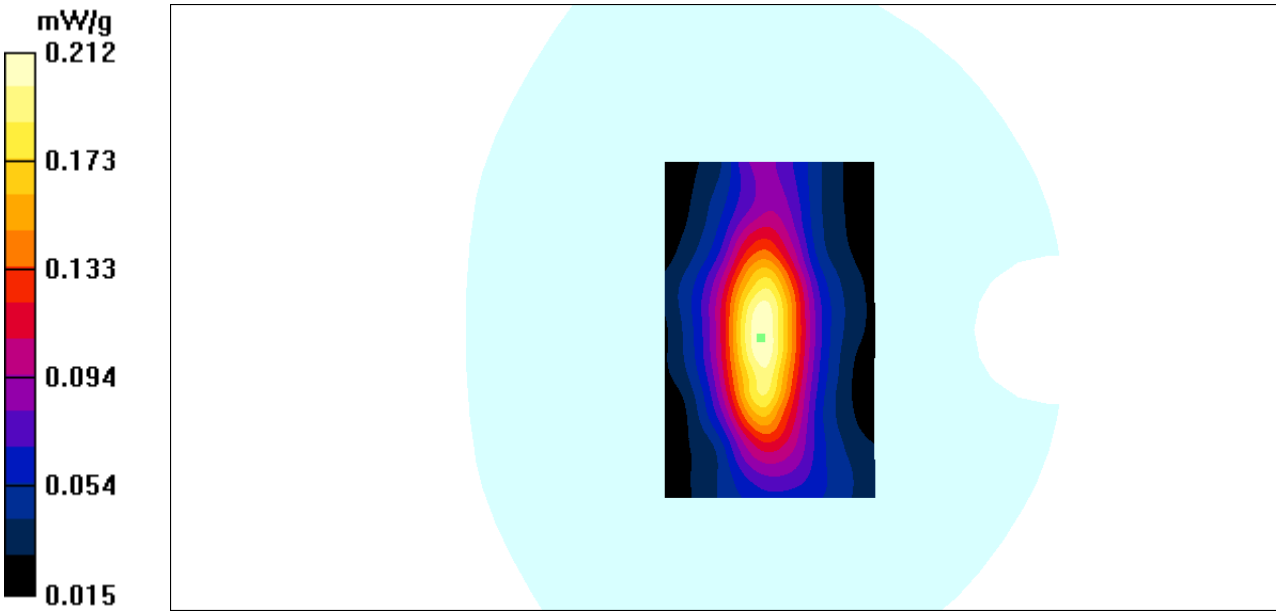
DUT: Mobile Phone ; Model: AX1055

Communication System: 3G Band; Frequency: 1907.6 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1907.6 MHz; σ = 1.52 S/m; εr = 51.19; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
- Probe: ES3DV3 - SN3036; ConvF(4.79, 4.79, 4.79); Calibrated: 16/9/2016
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: Dummy DAE - SN:456; Calibrated: 12/9/2016
- Phantom: TWIN SAM; Type: QD000P40CA; Serial: TP-1218
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

WCDMA 1900-body-worn-right-high/Area Scan (91x121x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.212 mW/g

WCDMA 1900-body-worn-right-high /Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 11.8 V/m; Power Drift = -0.055 dB
Peak SAR (extrapolated) = 0.342 W/kg
SAR(1 g) = 0.185 mW/g; SAR(10 g) = 0.105 mW/g
Maximum value of SAR (measured) = 0.200 mW/g



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

Test Plot 78#:WCDMA 1900 Body Worn Bottom High Channel

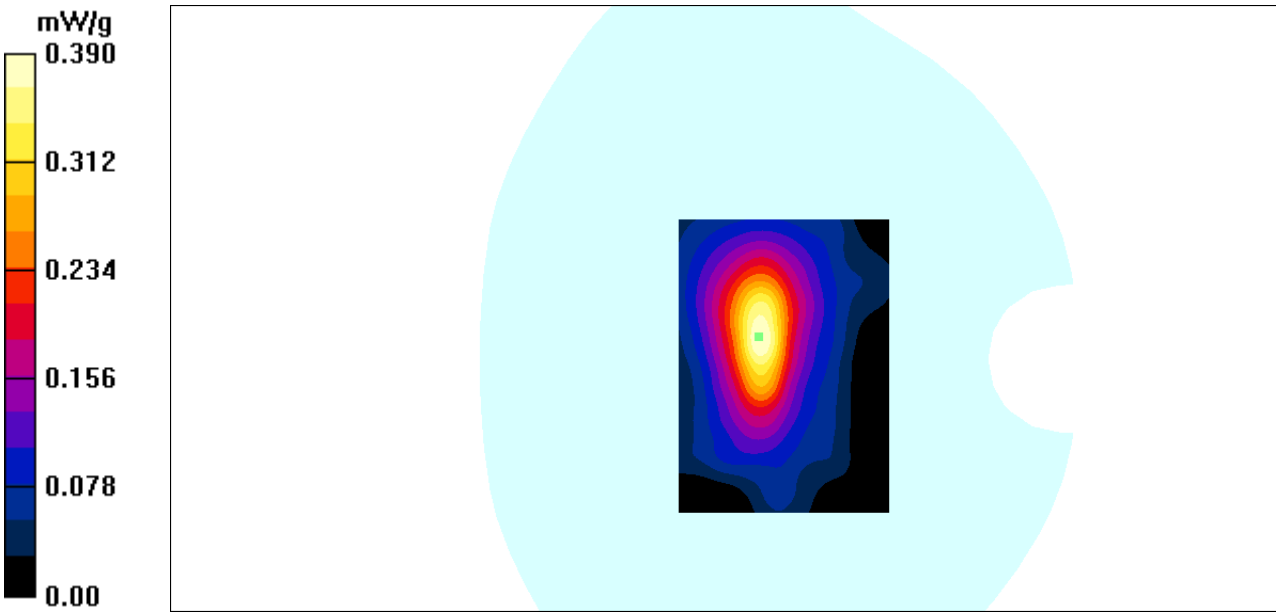
DUT: Mobile Phone ; Model: AX1055

Communication System: 3G Band; Frequency: 1907.6 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1907.6 MHz; σ = 1.52 S/m; εr = 51.19; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
- Probe: ES3DV3 - SN3036; ConvF(4.79, 4.79, 4.79); Calibrated: 16/9/2016
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: Dummy DAE - SN:456; Calibrated: 12/9/2016
- Phantom: TWIN SAM; Type: QD000P40CA; Serial: TP-1218
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

WCDMA 1900-body-worn-bottom-high/Area Scan (91x121x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.390 mW/g

WCDMA 1900-body-worn-bottom-high /Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 14.1 V/m; Power Drift = 0.077 dB
Peak SAR (extrapolated) = 0.680 W/kg
SAR(1 g) = 0.350 mW/g; SAR(10 g) = 0.176 mW/g
Maximum value of SAR (measured) = 0.389 mW/g



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

Test Plot 79#:LTE Band 2 Body Worn Back High Channel

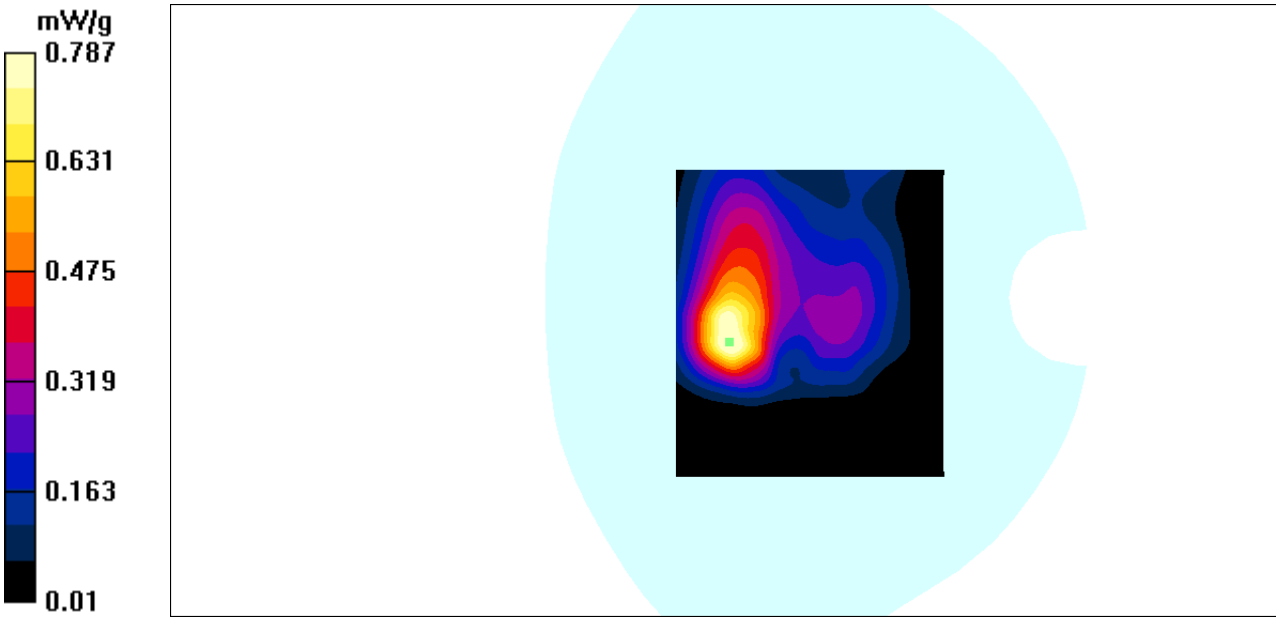
DUT: Mobile Phone ; Model: AX1055

Communication System: LTE 4G Band; Frequency: 1900 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1900 MHz; σ = 1.51 S/m; εr = 52.00; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
- Probe: ES3DV3 - SN3036; ConvF(4.79, 4.79, 4.79); Calibrated: 16/9/2016
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: Dummy DAE - SN:456; Calibrated: 12/9/2016
- Phantom: TWIN SAM; Type: QD000P40CA; Serial: TP-1218
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

LTE Band 2-body-worn-back-high-1RB /Area Scan (91x121x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.831 mW/g

LTE Band 2-body-worn-back-high-1RB /Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 13.6 V/m; Power Drift = -0.070 dB
Peak SAR (extrapolated) =1.55 W/kg
SAR(1 g) = 0.722 mW/g; SAR(10 g) = 0.365 mW/g
Maximum value of SAR (measured) = 0.787 mW/g



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

Test Plot 80#:LTE Band 2 Body Worn Back High Channel

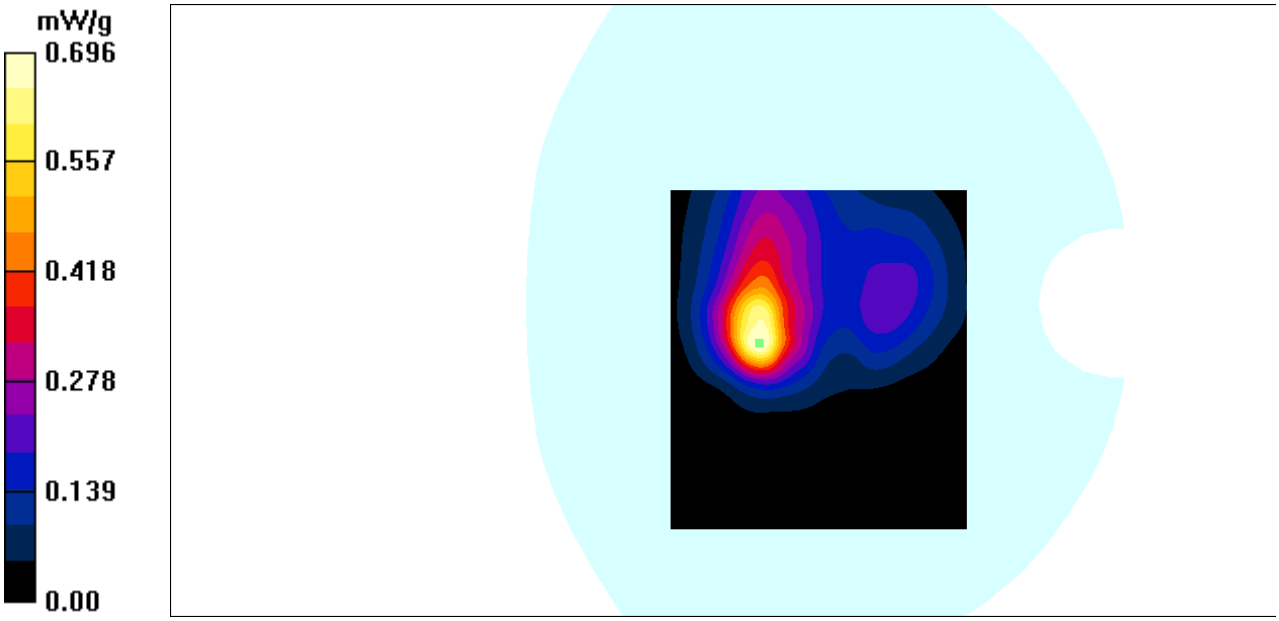
DUT: Mobile Phone ; Model: AX1055

Communication System: LTE 4G Band; Frequency: 1900 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1900 MHz; σ = 1.51 S/m; εr = 52.00; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
- Probe: ES3DV3 - SN3036; ConvF(4.79, 4.79, 4.79); Calibrated: 16/9/2016
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: Dummy DAE - SN:456; Calibrated: 12/9/2016
- Phantom: TWIN SAM; Type: QD000P40CA; Serial: TP-1218
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

LTE Band 2-body-worn-back-high-50%RB /Area Scan (91x121x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.718 mW/g

LTE Band 2-body-worn-back-high-50%RB /Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 10.7 V/m; Power Drift = 0.011 dB
Peak SAR (extrapolated) = 1.46 W/kg
SAR(1 g) = 0.639 mW/g; SAR(10 g) = 0.308 mW/g
Maximum value of SAR (measured) = 0.696 mW/g



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

Test Plot 81#:LTE Band 2 Body Worn Left High Channel

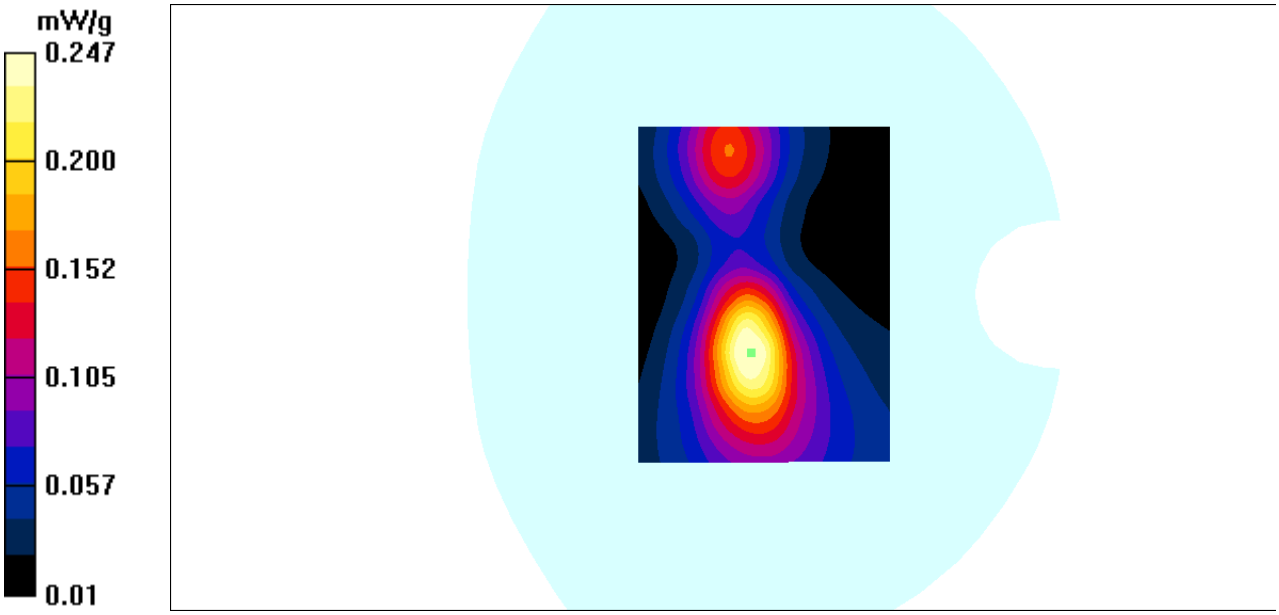
DUT: Mobile Phone ; Model: AX1055

Communication System: LTE 4G Band; Frequency: 1900 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1900 MHz; σ = 1.51 S/m; εr = 52.00; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
- Probe: ES3DV3 - SN3036; ConvF(4.79, 4.79, 4.79); Calibrated: 16/9/2016
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: Dummy DAE - SN:456; Calibrated: 12/9/2016
- Phantom: TWIN SAM; Type: QD000P40CA; Serial: TP-1218
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

LTE Band 2-body-worn-left-high-1RB/Area Scan (91x121x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.257 mW/g

LTE Band 2-body-worn-left-high-1RB /Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 9.74 V/m; Power Drift = -0.206 dB
Peak SAR (extrapolated) = 0.427 W/kg
SAR(1 g) = 0.227 mW/g; SAR(10 g) = 0.122 mW/g
Maximum value of SAR (measured) = 0.247 mW/g



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

Test Plot 82#:LTE Band 2 Body Worn Left High Channel

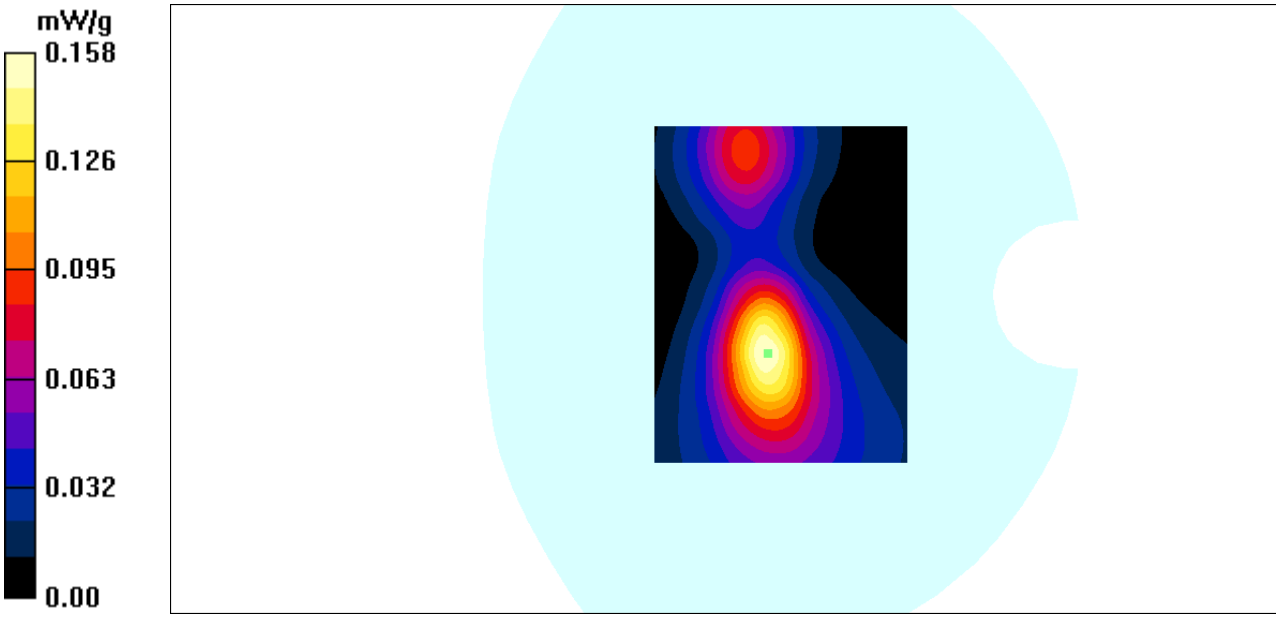
DUT: Mobile Phone ; Model: AX1055

Communication System: LTE 4G Band; Frequency: 1900 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1900 MHz; σ = 1.51 S/m; εr = 52.00; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
- Probe: ES3DV3 - SN3036; ConvF(4.79, 4.79, 4.79); Calibrated: 16/9/2016
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: Dummy DAE - SN:456; Calibrated: 12/9/2016
- Phantom: TWIN SAM; Type: QD000P40CA; Serial: TP-1218
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

LTE Band 2-body-worn-left-high-50%RB/Area Scan (91x121x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.158 mW/g

LTE Band 2-body-worn-left-high-50%RB /Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 7.66 V/m; Power Drift = -0.063 dB
Peak SAR (extrapolated) = 0.315 W/kg
SAR(1 g) = 0.138 mW/g; SAR(10 g) = 0.086 mW/g
Maximum value of SAR (measured) = 0.153 mW/g



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

Test Plot 83#:LTE Band 2 Body Worn Right High Channel

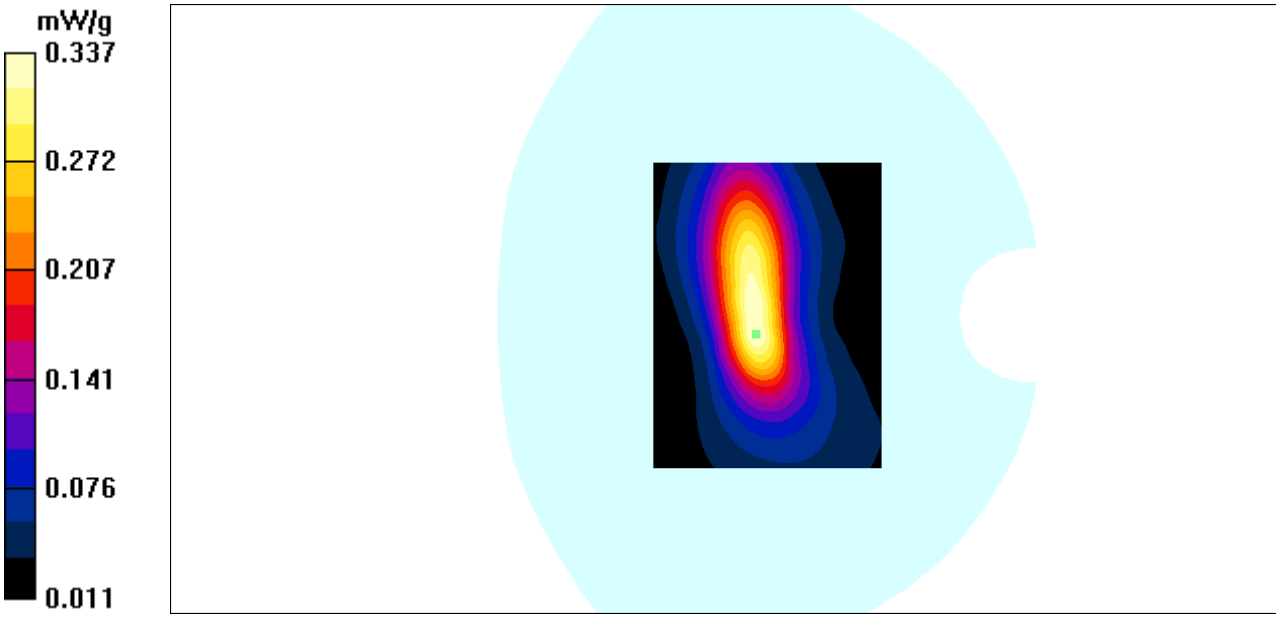
DUT: Mobile Phone ; Model: AX1055

Communication System: LTE 4G Band; Frequency: 1900 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1900 MHz; σ = 1.51 S/m; εr = 52.00; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
- Probe: ES3DV3 - SN3036; ConvF(4.79, 4.79, 4.79); Calibrated: 16/9/2016
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: Dummy DAE - SN:456; Calibrated: 12/9/2016
- Phantom: TWIN SAM; Type: QD000P40CA; Serial: TP-1218
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

LTE Band 2-body-worn-right-high-1RB/Area Scan (91x121x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.337 mW/g

LTE Band 2-body-worn-right-high-1RB /Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 11.1 V/m; Power Drift = -0.050 dB
Peak SAR (extrapolated) = 0.595 W/kg
SAR(1 g) = 0.271 mW/g; SAR(10 g) = 0.148 mW/g
Maximum value of SAR (measured) = 0.326 mW/g



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

Test Plot 84#:LTE Band 2 Body Worn Right High Channel

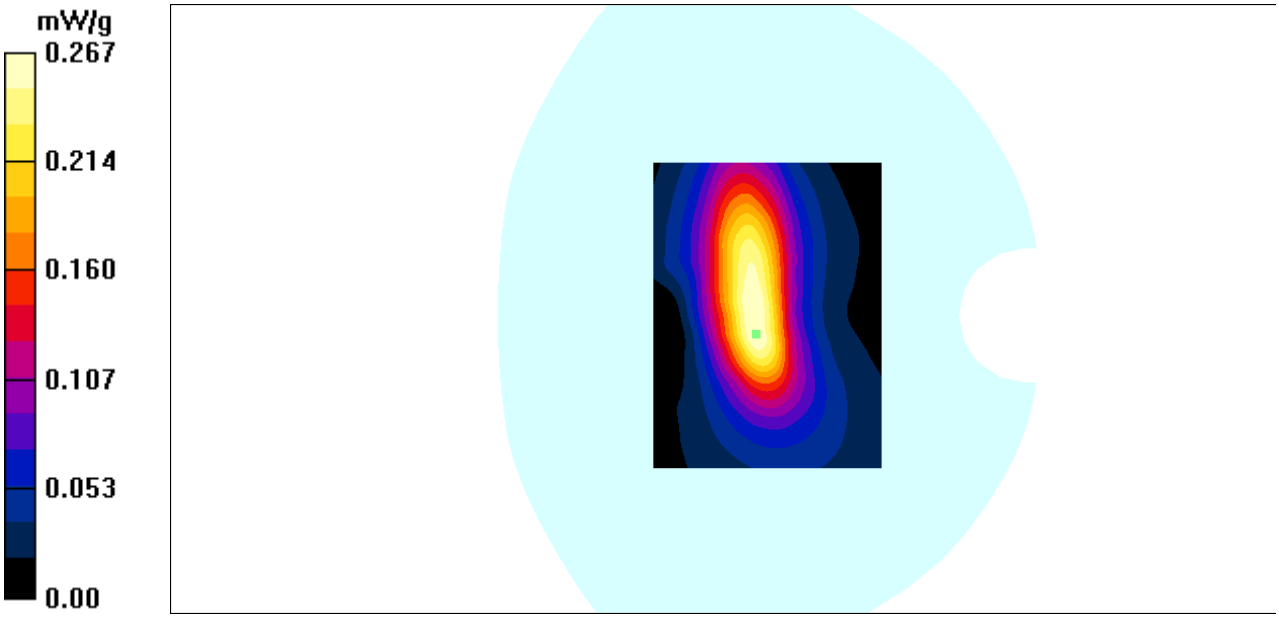
DUT: Mobile Phone ; Model: AX1055

Communication System: LTE 4G Band; Frequency: 1900 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1900 MHz; σ = 1.51 S/m; εr = 52.00; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
- Probe: ES3DV3 - SN3036; ConvF(4.79, 4.79, 4.79); Calibrated: 16/9/2016
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: Dummy DAE - SN:456; Calibrated: 12/9/2016
- Phantom: TWIN SAM; Type: QD000P40CA; Serial: TP-1218
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

LTE Band 2-body-worn-right-high-50%RB/Area Scan (91x121x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.267 mW/g

LTE Band 2-body-worn-right-high-50%RB /Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 9.81 V/m; Power Drift = -0.135 dB
Peak SAR (extrapolated) = 0.595 W/kg
SAR(1 g) = 0.219 mW/g; SAR(10 g) = 0.125 mW/g
Maximum value of SAR (measured) = 0.262 mW/g



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

Test Plot 85#:LTE Band 2 Body Worn Bottom High Channel

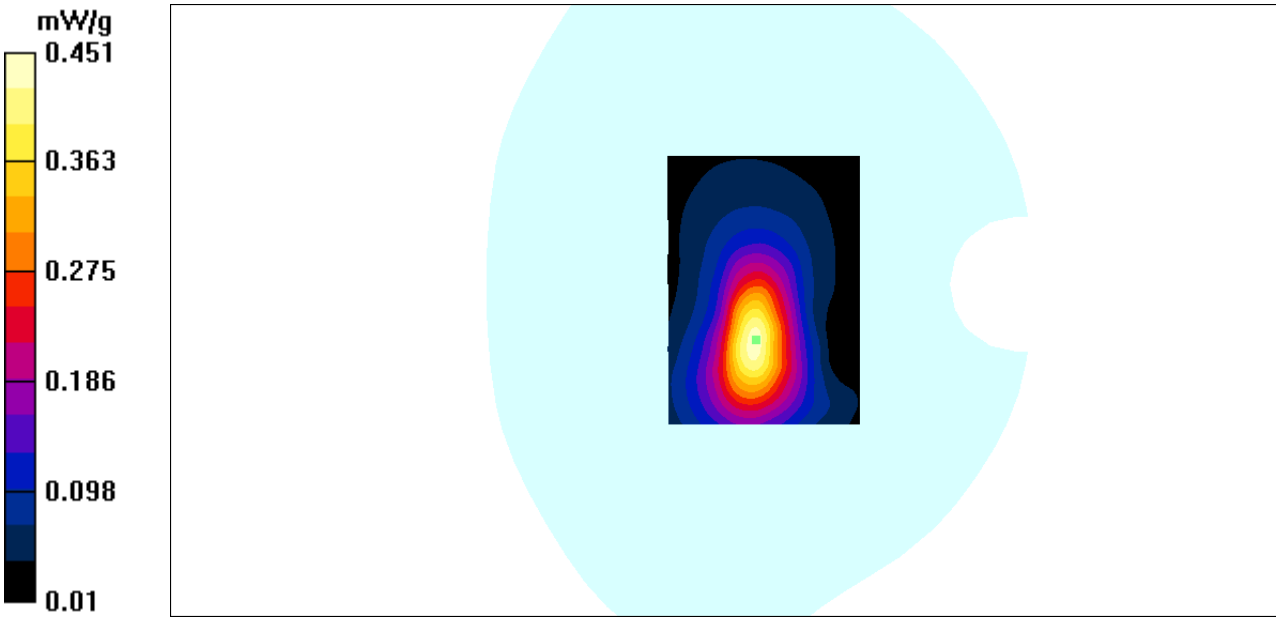
DUT: Mobile Phone ; Model: AX1055

Communication System: LTE 4G Band; Frequency: 1900 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1900 MHz; σ = 1.51 S/m; εr = 52.00; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
- Probe: ES3DV3 - SN3036; ConvF(4.79, 4.79, 4.79); Calibrated: 16/9/2016
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: Dummy DAE - SN:456; Calibrated: 12/9/2016
- Phantom: TWIN SAM; Type: QD000P40CA; Serial: TP-1218
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

LTE Band 2-body-worn-bottom-high-1RB/Area Scan (91x121x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.436 mW/g

LTE Band 2-body-worn-bottom-high-1RB /Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 13.8 V/m; Power Drift = -0.139 dB
Peak SAR (extrapolated) = 0.794 W/kg
SAR(1 g) = 0.406 mW/g; SAR(10 g) = 0.211 mW/g
Maximum value of SAR (measured) = 0.451 mW/g



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

Test Plot 86#:LTE Band 2 Body Worn Bottom High Channel

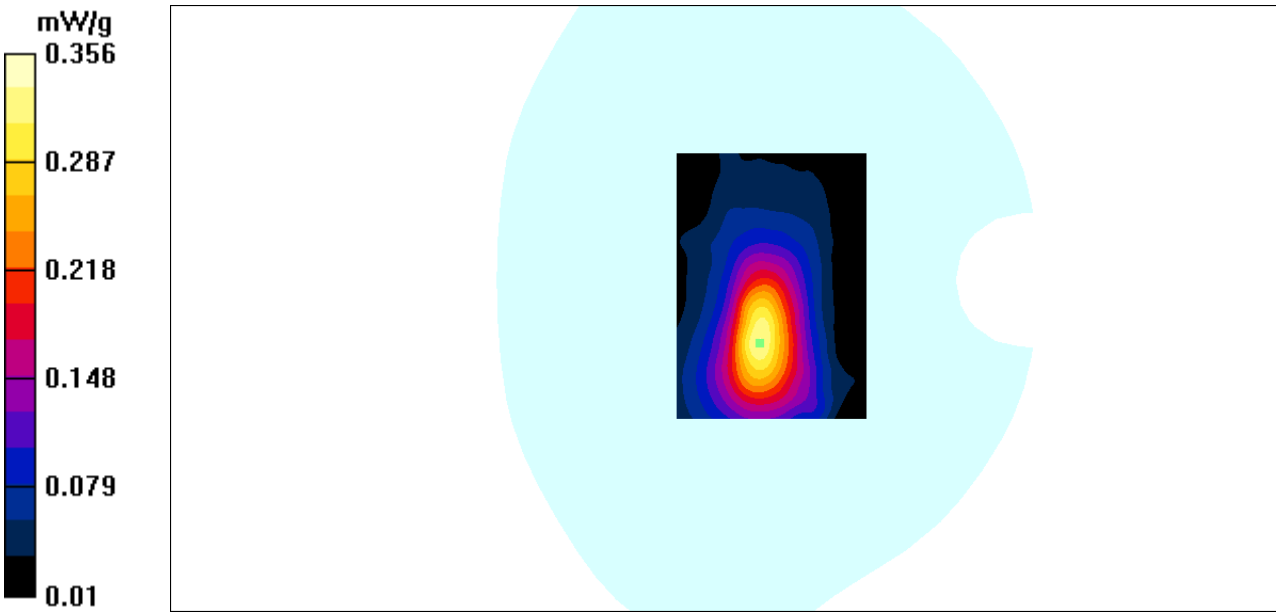
DUT: Mobile Phone ; Model: AX1055

Communication System: LTE 4G Band; Frequency: 1900 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1900 MHz; σ = 1.51 S/m; εr = 52.00; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
- Probe: ES3DV3 - SN3036; ConvF(4.79, 4.79, 4.79); Calibrated: 16/9/2016
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: Dummy DAE - SN:456; Calibrated: 12/9/2016
- Phantom: TWIN SAM; Type: QD000P40CA; Serial: TP-1218
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

LTE Band 2-body-worn-bottom-high-50%RB/Area Scan (91x121x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.334 mW/g

LTE Band 2-body-worn-bottom-high-50%RB /Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 12.1 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 0.634 W/kg
SAR(1 g) = 0.323 mW/g; SAR(10 g) = 0.166 mW/g
Maximum value of SAR (measured) = 0.356 mW/g



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

Test Plot 87#:LTE Band 4 Body Worn Back High Channel

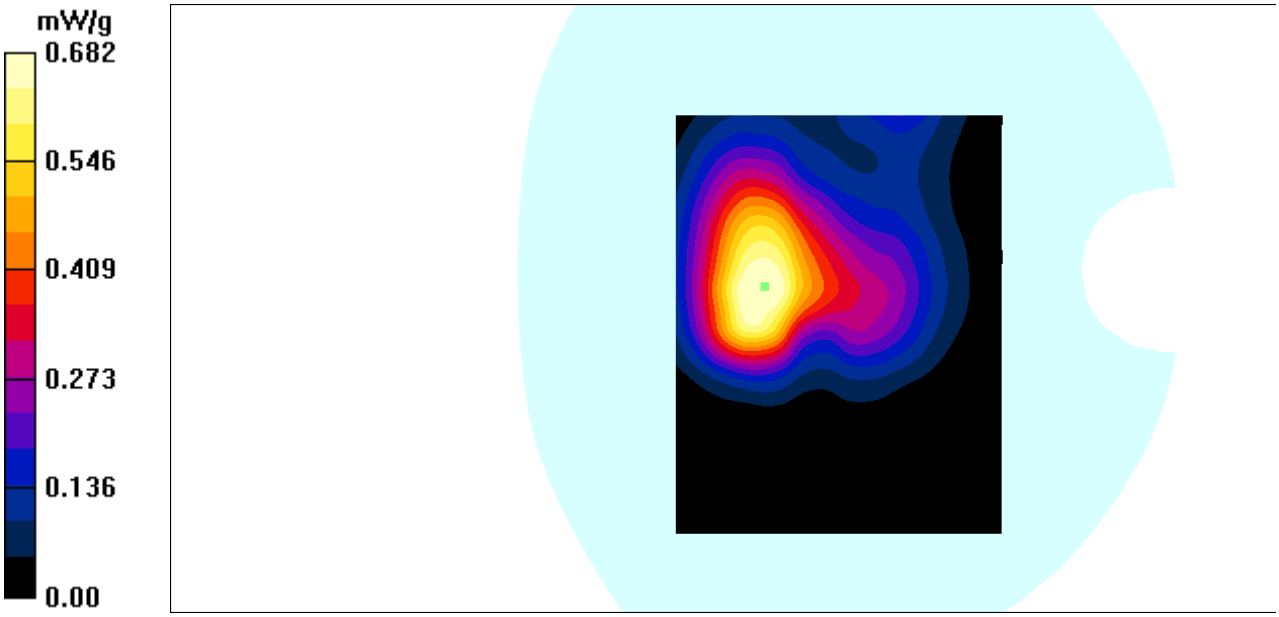
DUT: Mobile Phone ; Model: AX1055

Communication System: LTE 4G Band; Frequency: 1745 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1745 MHz; σ = 1.54 S/m; εr = 53.27; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
- Probe: ES3DV3 - SN3036; ConvF(5.04, 5.04, 5.04); Calibrated: 16/9/2016
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: Dummy DAE - SN:456; Calibrated: 12/9/2016
- Phantom: TWIN SAM; Type: QD000P40CA; Serial: TP-1218
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

LTE Band 4-body-worn-high-1RB /Area Scan (91x121x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.682 mW/g

LTE Band 4-body-worn-high-1RB /Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 15.8 V/m; Power Drift = -0.071 dB
Peak SAR (extrapolated) = 1.12 W/kg
SAR(1 g) = 0.611 mW/g; SAR(10 g) = 0.356 mW/g
Maximum value of SAR (measured) = 0.662 mW/g



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

Test Plot 88#:LTE Band 4 Body Worn Back High Channel

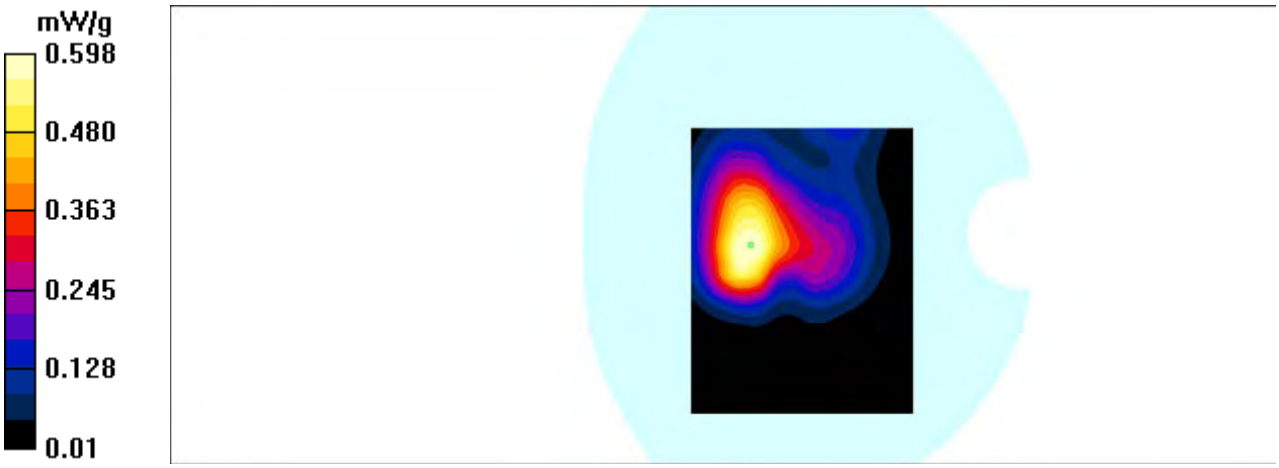
DUT: Mobile Phone ; Model: AX1055

Communication System: LTE 4G Band; Frequency: 1745 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1745 MHz; σ = 1.54 S/m; εr = 53.27; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
- Probe: ES3DV3 - SN3036; ConvF(5.04, 5.04, 5.04); Calibrated: 16/9/2016
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: Dummy DAE - SN:456; Calibrated: 12/9/2016
- Phantom: TWIN SAM; Type: QD000P40CA; Serial: TP-1218
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

LTE Band 4-body-worn-high-50%RB /Area Scan (91x121x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.609 mW/g

LTE Band 4-body-worn-high-50%RB /Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 13.9 V/m; Power Drift = -0.042 dB
Peak SAR (extrapolated) = 1.04 W/kg
SAR(1 g) = 0.561 mW/g; SAR(10 g) = 0.319 mW/g
Maximum value of SAR (measured) = 0.598 mW/g



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

Test Plot 89#:LTE Band 4 Body Worn Left High Channel

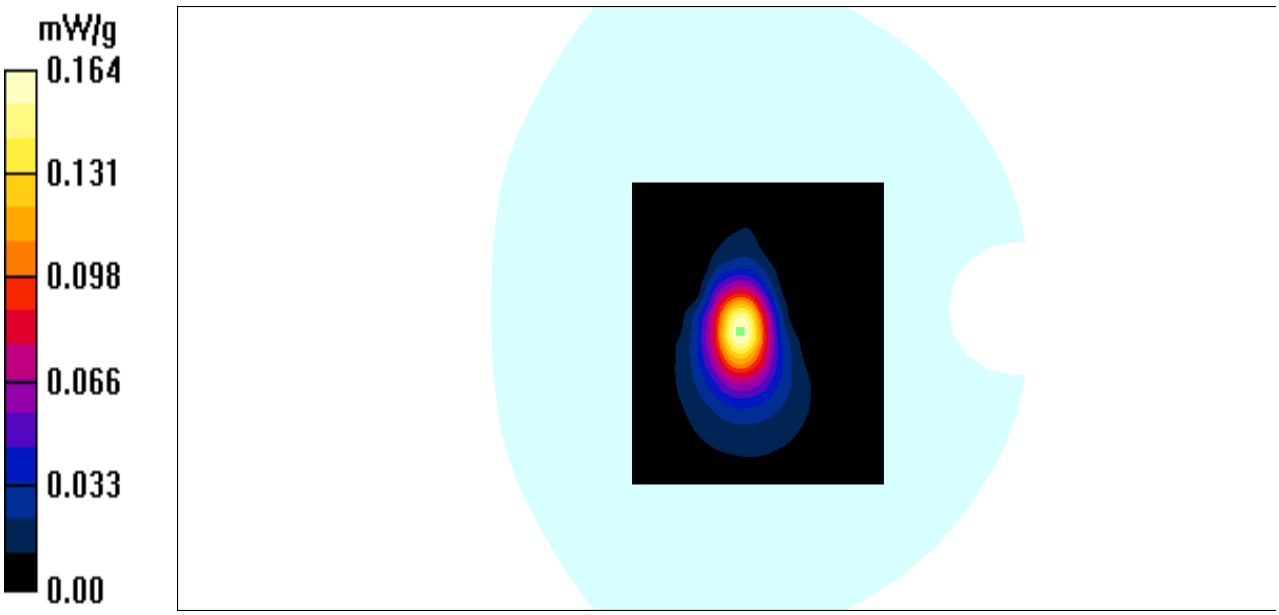
DUT: Mobile Phone ; Model: AX1055

Communication System: LTE 4G Band; Frequency: 1745 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1745 MHz; σ = 1.54 S/m; εr = 53.27; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
- Probe: ES3DV3 - SN3036; ConvF(5.04, 5.04, 5.04); Calibrated: 16/9/2016
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: Dummy DAE - SN:456; Calibrated: 12/9/2016
- Phantom: TWIN SAM; Type: QD000P40CA; Serial: TP-1218
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

LTE Band 4-body-worn-left-high-1RB /Area Scan (91x121x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.163 mW/g

LTE Band 4-body-worn-left-high-1RB /Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 10.2 V/m; Power Drift = -0.061 dB
Peak SAR (extrapolated) = 0.257 W/kg
SAR(1 g) = 0.149 mW/g; SAR(10 g) = 0.083 mW/g
Maximum value of SAR (measured) = 0.164 mW/g



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

Test Plot 90#:LTE Band 4 Body Worn Left High Channel

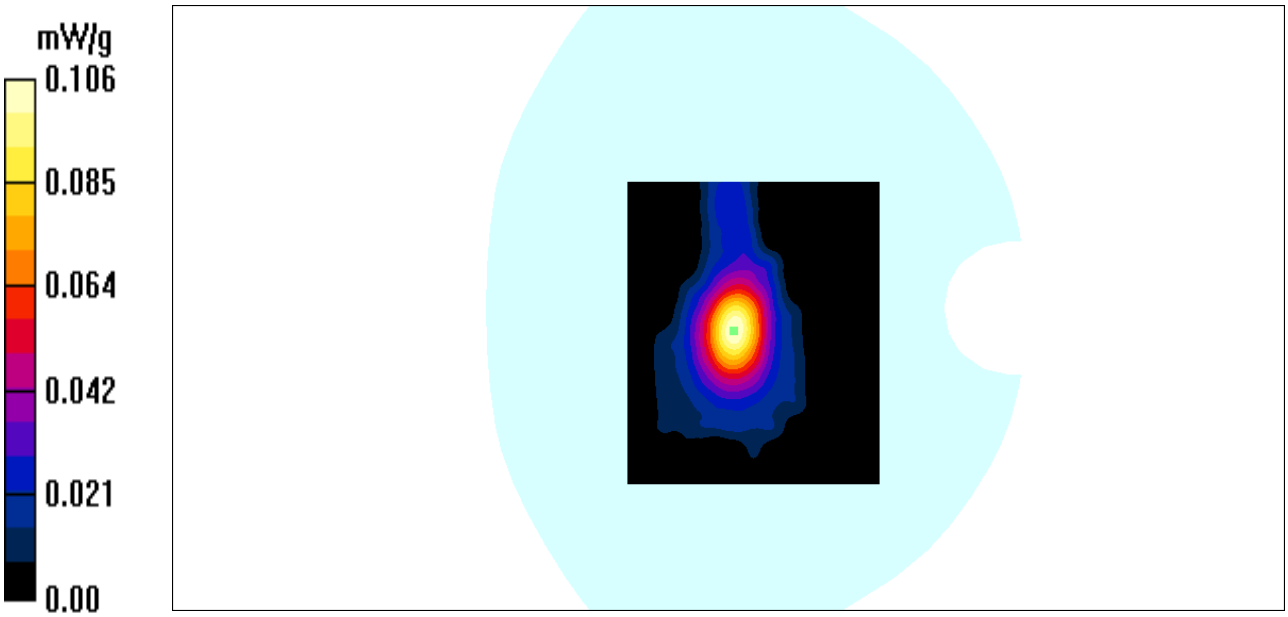
DUT: Mobile Phone ; Model: AX1055

Communication System: LTE 4G Band; Frequency: 1745 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1745 MHz; σ = 1.54 S/m; εr = 53.27; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
- Probe: ES3DV3 - SN3036; ConvF(5.04, 5.04, 5.04); Calibrated: 16/9/2016
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: Dummy DAE - SN:456; Calibrated: 12/9/2016
- Phantom: TWIN SAM; Type: QD000P40CA; Serial: TP-1218
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

LTE Band 4-body-worn-left-high-50%RB /Area Scan (91x121x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.106 mW/g

LTE Band 4-body-worn-left-high-50%RB /Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 7.24 V/m; Power Drift = 0.154 dB
Peak SAR (extrapolated) = 0.274 W/kg
SAR(1 g) = 0.091 mW/g; SAR(10 g) = 0.047 mW/g
Maximum value of SAR (measured) = 0.106 mW/g



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

Test Plot 91#:LTE Band 4 Body Worn Right High Channel

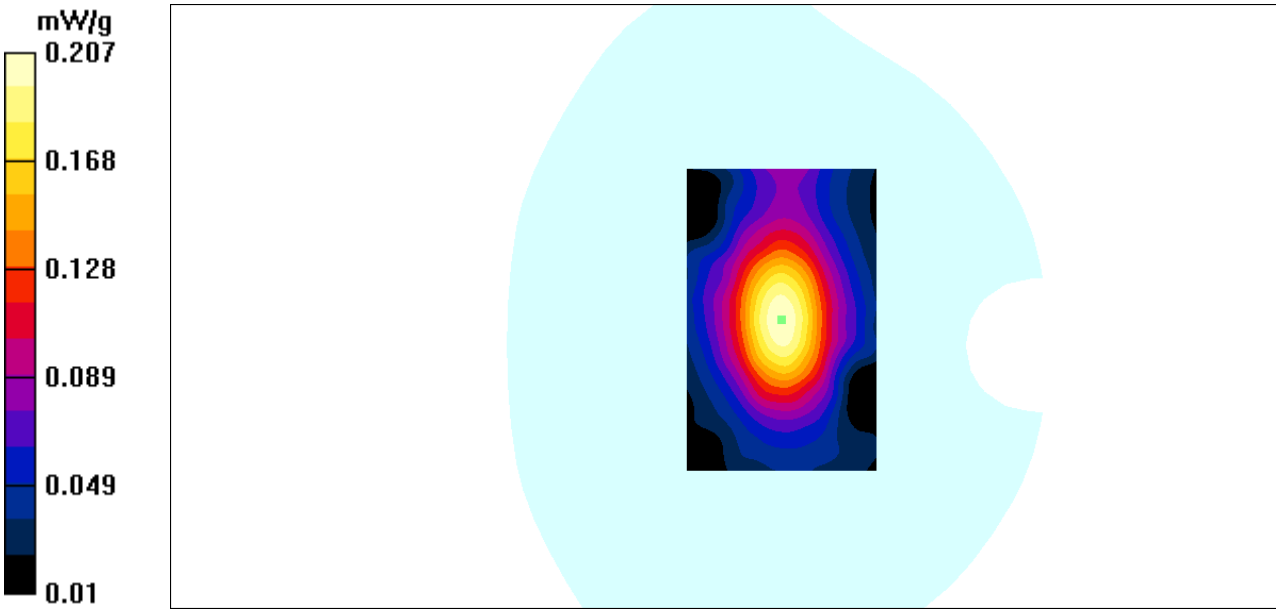
DUT: Mobile Phone ; Model: AX1055

Communication System: LTE 4G Band; Frequency: 1745 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1745 MHz; σ = 1.54 S/m; εr = 53.27; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
- Probe: ES3DV3 - SN3036; ConvF(5.04, 5.04, 5.04); Calibrated: 16/9/2016
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: Dummy DAE - SN:456; Calibrated: 12/9/2016
- Phantom: TWIN SAM; Type: QD000P40CA; Serial: TP-1218
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

LTE Band 4-body-worn-right-high-1RB /Area Scan (91x121x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.206 mW/g

LTE Band 4-body-worn-right-high-1RB /Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 11.5 V/m; Power Drift = 0.00 dB
Peak SAR (extrapolated) = 0.318 W/kg
SAR(1 g) = 0.190 mW/g; SAR(10 g) = 0.108 mW/g
Maximum value of SAR (measured) = 0.207 mW/g



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

Test Plot 92#:LTE Band 4 Body Worn Right High Channel

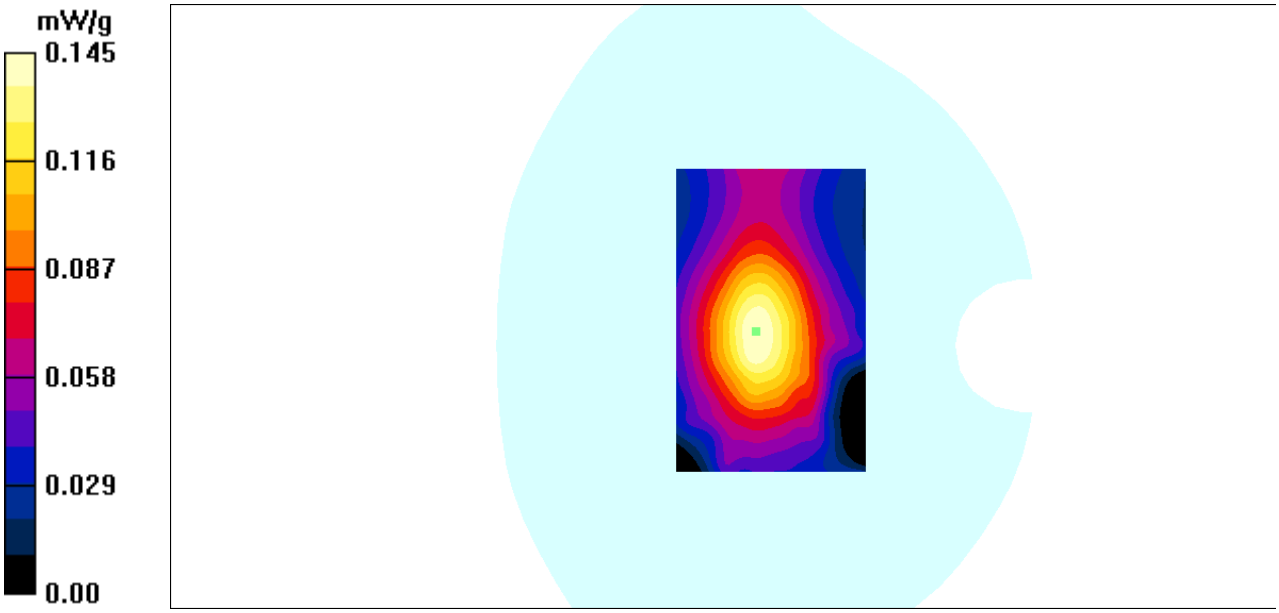
DUT: Mobile Phone ; Model: AX1055

Communication System: LTE 4G Band; Frequency: 1745 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1745 MHz; σ = 1.54 S/m; εr = 53.27; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
- Probe: ES3DV3 - SN3036; ConvF(5.04, 5.04, 5.04); Calibrated: 16/9/2016
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: Dummy DAE - SN:456; Calibrated: 12/9/2016
- Phantom: TWIN SAM; Type: QD000P40CA; Serial: TP-1218
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

LTE Band 4-body-worn-right-high-50%RB /Area Scan (91x121x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.145 mW/g

LTE Band 4-body-worn-right-high-50%RB /Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 9.90 V/m; Power Drift = 0.018 dB
Peak SAR (extrapolated) = 0.447 W/kg
SAR(1 g) = 0.160 mW/g; SAR(10 g) = 0.060 mW/g
Maximum value of SAR (measured) = 0.145 mW/g



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

Test Plot 93#:LTE Band 4 Body Worn Bottom High Channel

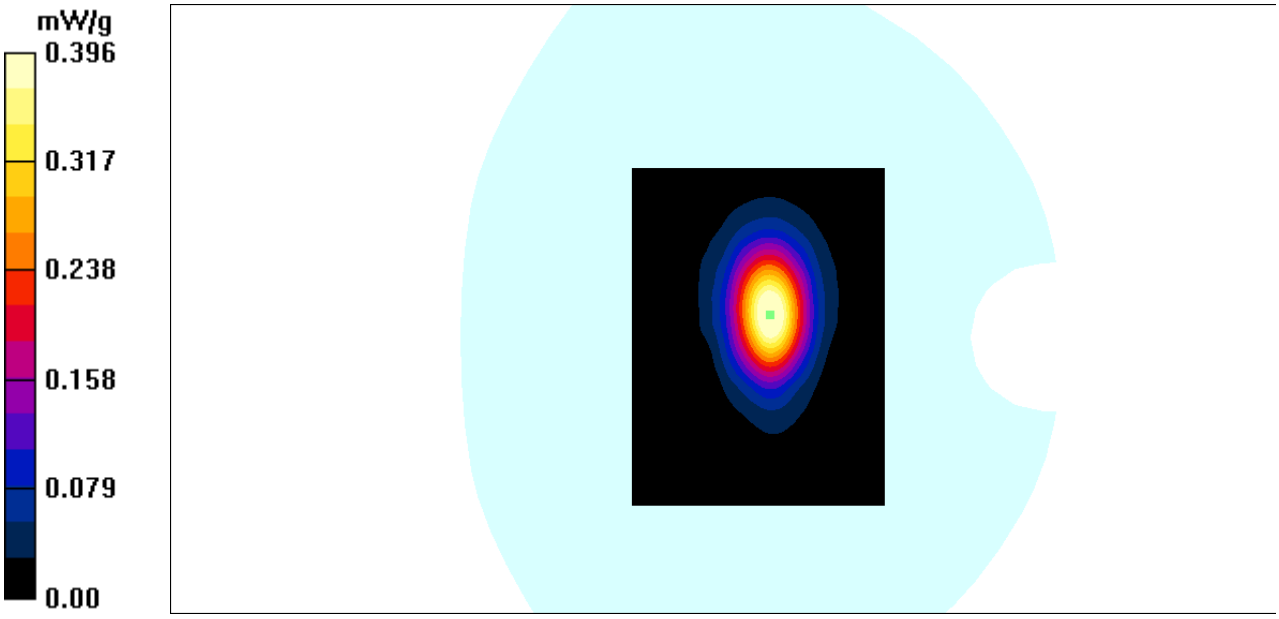
DUT: Mobile Phone ; Model: AX1055

Communication System: LTE 4G Band; Frequency: 1745 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1745 MHz; σ = 1.54 S/m; εr = 53.27; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
- Probe: ES3DV3 - SN3036; ConvF(5.04, 5.04, 5.04); Calibrated: 16/9/2016
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: Dummy DAE - SN:456; Calibrated: 12/9/2016
- Phantom: TWIN SAM; Type: QD000P40CA; Serial: TP-1218
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

LTE Band 4-body-worn-bottom-high-1RB /Area Scan (91x121x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.396 mW/g

LTE Band 4-body-worn-bottom-high-1RB /Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 9.68 V/m; Power Drift = -0.027 dB
Peak SAR (extrapolated) = 0.716 W/kg
SAR(1 g) = 0.326 mW/g; SAR(10 g) = 0.156 mW/g
Maximum value of SAR (measured) = 0.385 mW/g



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

Test Plot 94#:LTE Band 4 Body Worn Bottom High Channel

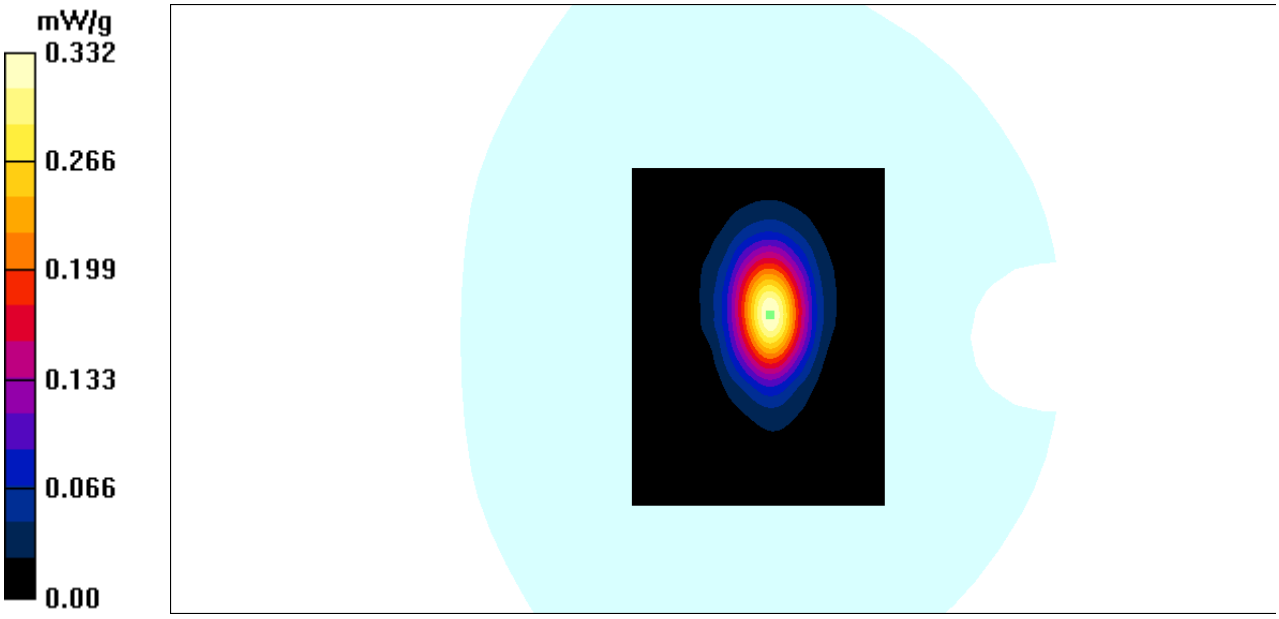
DUT: Mobile Phone ; Model: AX1055

Communication System: LTE 4G Band; Frequency: 1745 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1745 MHz; σ = 1.54 S/m; εr = 53.27; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
- Probe: ES3DV3 - SN3036; ConvF(5.04, 5.04, 5.04); Calibrated: 16/9/2016
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: Dummy DAE - SN:456; Calibrated: 12/9/2016
- Phantom: TWIN SAM; Type: QD000P40CA; Serial: TP-1218
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

LTE Band 4-body-worn-bottom-high-50%RB /Area Scan (91x121x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.332 mW/g

LTE Band 4-body-worn-bottom-high-50%RB /Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 8.19 V/m; Power Drift = 0.122 dB
Peak SAR (extrapolated) = 0.657 W/kg
SAR(1 g) = 0.276 mW/g; SAR(10 g) = 0.141 mW/g
Maximum value of SAR (measured) = 0.337 mW/g



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

Test Plot 95#:LTE Band 5 Body Worn Back High Channel

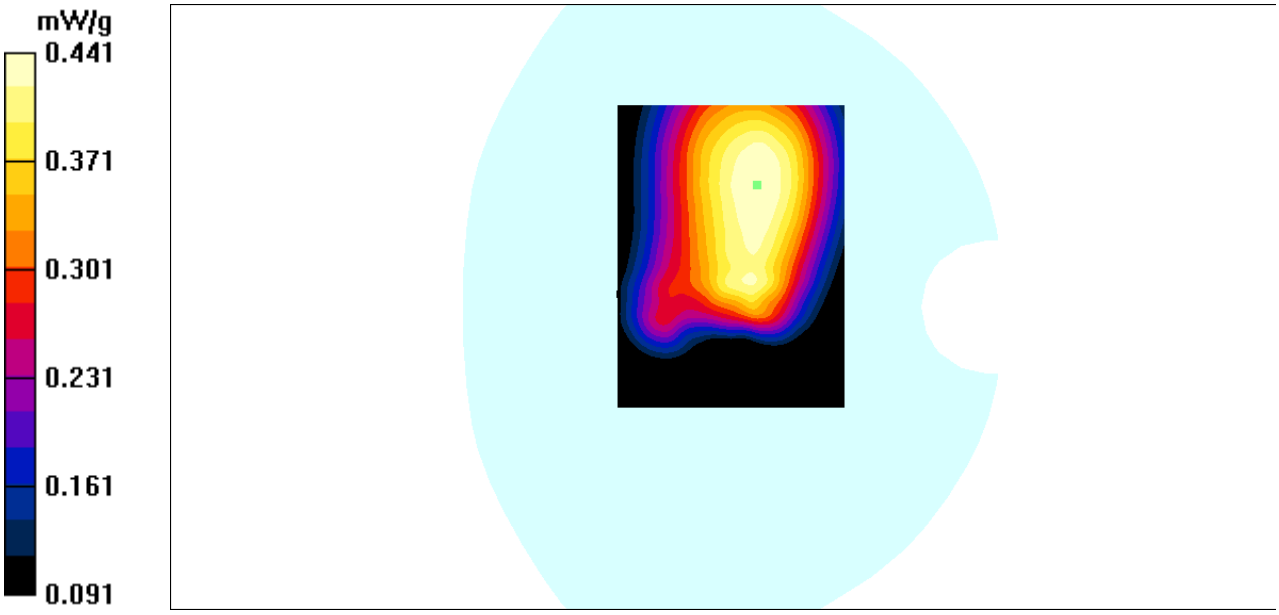
DUT: Mobile Phone ; Model: AX1055

Communication System: LTE 4G Band; Frequency: 844 MHz;Duty Cycle: 1:1
Medium parameters used: f = 844 MHz; σ = 1.00 S/m; εr = 53.03; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
- Probe: ES3DV3 - SN3036; ConvF(6.20, 6.20, 6.20); Calibrated: 16/9/2016
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: Dummy DAE - SN:456; Calibrated: 12/9/2016
- Phantom: TWIN SAM; Type: QD000P40CA; Serial: TP-1218
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

LTE Band 5-body-worn-back-high-1RB /Area Scan (91x121x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.446 mW/g

LTE Band 5-body-worn-back-high-1RB /Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 18.9 V/m; Power Drift = 0.00 dB
Peak SAR (extrapolated) = 0.496 W/kg
SAR(1 g) = 0.423 mW/g; SAR(10 g) = 0.338 mW/g
Maximum value of SAR (measured) = 0.441 mW/g



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

Test Plot 96#:LTE Band 5 Body Worn Back Middle Channel

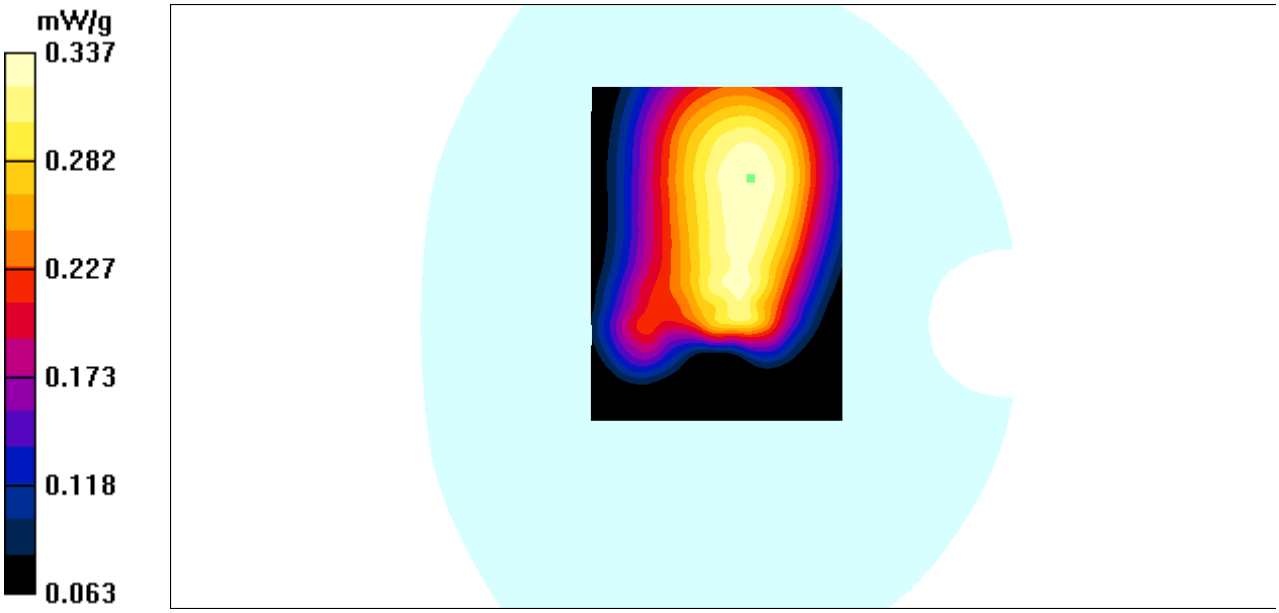
DUT: Mobile Phone ; Model: AX1055

Communication System: LTE 4G Band; Frequency: 836.5 MHz;Duty Cycle: 1:1
Medium parameters used: f = 836.5 MHz; σ = 0.99 S/m; εr = 53.23; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
- Probe: ES3DV3 - SN3036; ConvF(6.20, 6.20, 6.20); Calibrated: 16/9/2016
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: Dummy DAE - SN:456; Calibrated: 12/9/2016
- Phantom: TWIN SAM; Type: QD000P40CA; Serial: TP-1218
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

LTE Band 5-body-worn-back-mid-50%RB /Area Scan (91x121x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.341 mW/g

LTE Band 5-body-worn-back-mid-50%RB /Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 16.5 V/m; Power Drift = -0.027 dB
Peak SAR (extrapolated) = 0.380 W/kg
SAR(1 g) = 0.324 mW/g; SAR(10 g) = 0.258 mW/g
Maximum value of SAR (measured) = 0.337 mW/g



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

Test Plot 97#:LTE Band 5 Body Worn Left High Channel

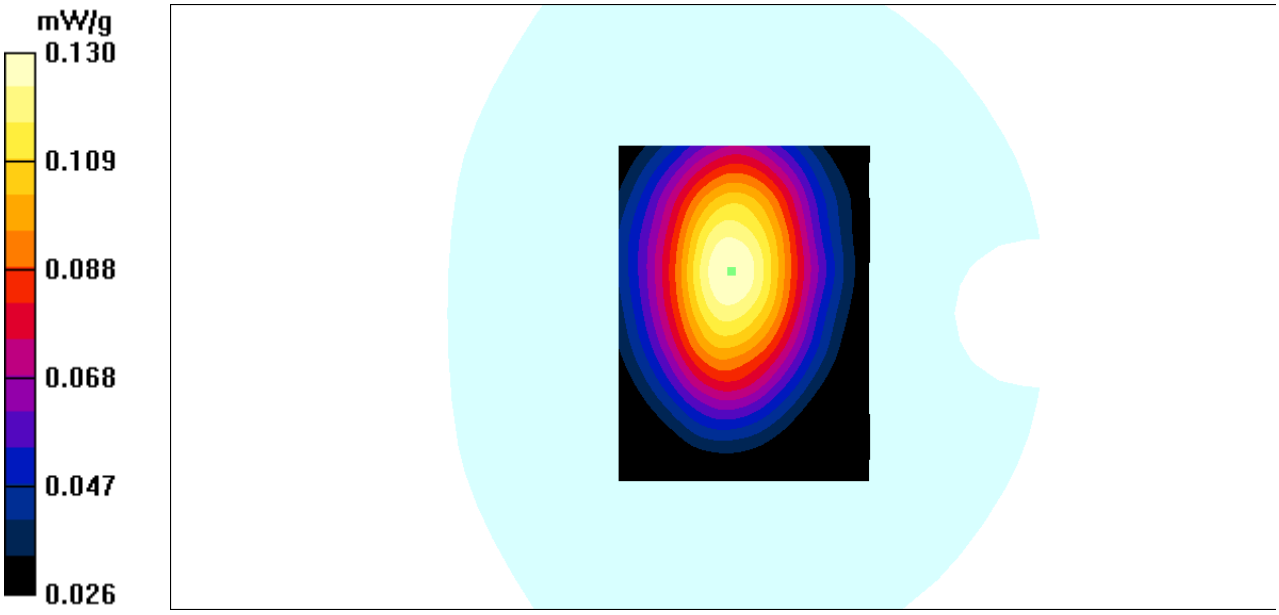
DUT: Mobile Phone ; Model: AX1055

Communication System: LTE 4G Band; Frequency: 844 MHz;Duty Cycle: 1:1
Medium parameters used: f = 844 MHz; σ = 1.00 S/m; εr = 53.03; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
- Probe: ES3DV3 - SN3036; ConvF(6.20, 6.20, 6.20); Calibrated: 16/9/2016
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: Dummy DAE - SN:456; Calibrated: 12/9/2016
- Phantom: TWIN SAM; Type: QD000P40CA; Serial: TP-1218
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

LTE Band 5-body-worn-left-high-1RB /Area Scan (91x121x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.131 mW/g

LTE Band 5-body-worn-left-high-1RB /Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 11.3 V/m; Power Drift = -0.087 dB
Peak SAR (extrapolated) = 0.151 W/kg
SAR(1 g) = 0.122 mW/g; SAR(10 g) = 0.093 mW/g
Maximum value of SAR (measured) = 0.130 mW/g



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

Test Plot 98#:LTE Band 5 Body Worn Left High Channel

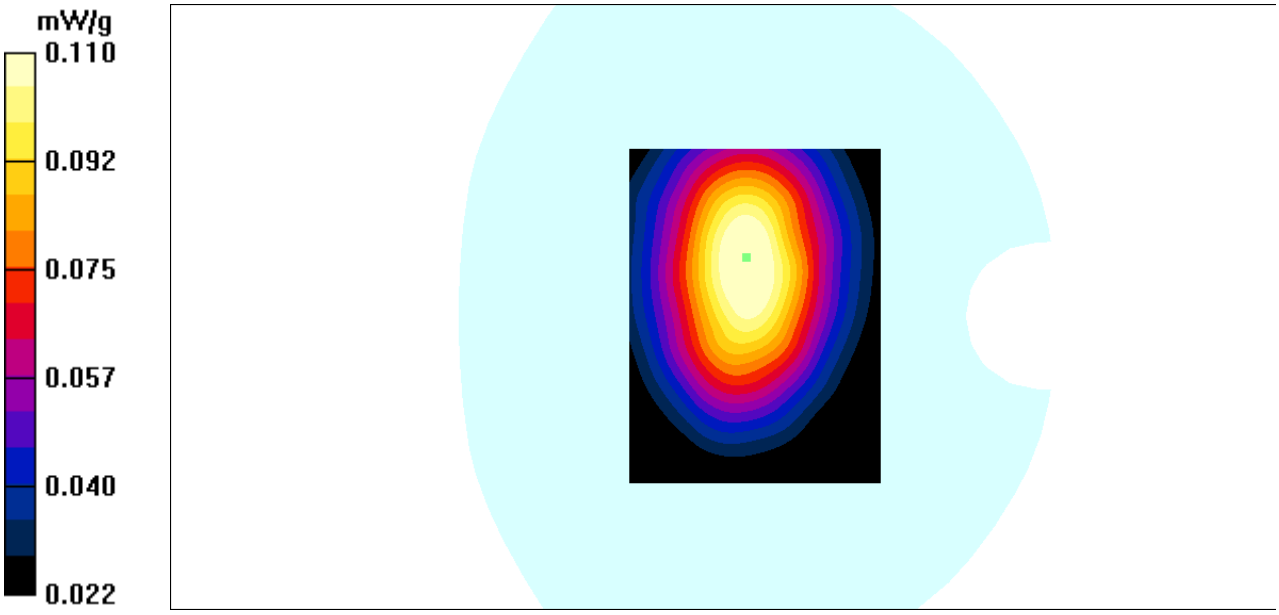
DUT: Mobile Phone ; Model: AX1055

Communication System: LTE 4G Band; Frequency: 836.5 MHz;Duty Cycle: 1:1
Medium parameters used: f = 836.5 MHz; σ = 0.99 S/m; εr = 53.23; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
- Probe: ES3DV3 - SN3036; ConvF(6.20, 6.20, 6.20); Calibrated: 16/9/2016
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: Dummy DAE - SN:456; Calibrated: 12/9/2016
- Phantom: TWIN SAM; Type: QD000P40CA; Serial: TP-1218
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

LTE Band 5-body-worn-left-mid-50%RB /Area Scan (91x121x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.114 mW/g

LTE Band 5-body-worn-left-mid-50%RB /Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 10.5 V/m; Power Drift = -0.112 dB
Peak SAR (extrapolated) = 0.133 W/kg
SAR(1 g) = 0.103 mW/g; SAR(10 g) = 0.078 mW/g
Maximum value of SAR (measured) = 0.110 mW/g



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

Test Plot 99#:LTE Band 5 Body Worn Right High Channel

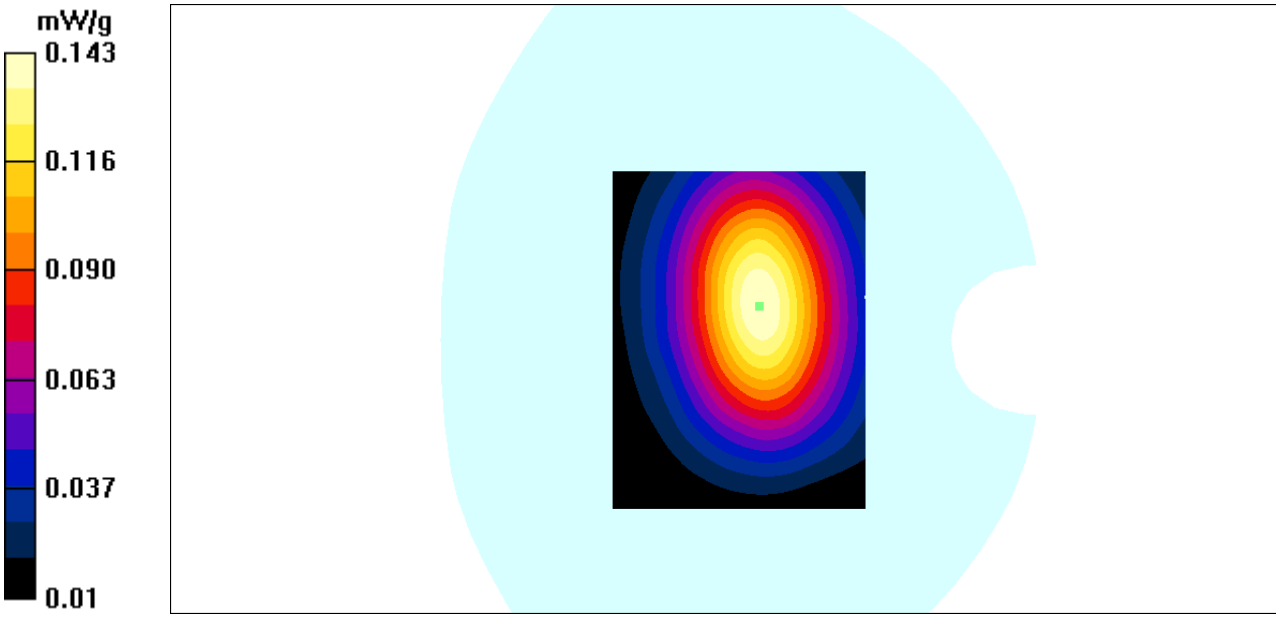
DUT: Mobile Phone ; Model: AX1055

Communication System: LTE 4G Band; Frequency: 844 MHz;Duty Cycle: 1:1
Medium parameters used: f = 844 MHz; σ = 1.00 S/m; εr = 53.03; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
- Probe: ES3DV3 - SN3036; ConvF(6.20, 6.20, 6.20); Calibrated: 16/9/2016
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: Dummy DAE - SN:456; Calibrated: 12/9/2016
- Phantom: TWIN SAM; Type: QD000P40CA; Serial: TP-1218
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

LTE Band 5-body-worn-right-high-1RB /Area Scan (91x121x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.143 mW/g

LTE Band 5-body-worn-right-high-1RB /Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value =11.5 V/m; Power Drift = -0.094 dB
Peak SAR (extrapolated) = 0.171 W/kg
SAR(1 g) = 0.135 mW/g; SAR(10 g) = 0.100 mW/g
Maximum value of SAR (measured) = 0.143 mW/g



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

Test Plot 100#:LTE Band 5 Body Worn Right Middle Channel

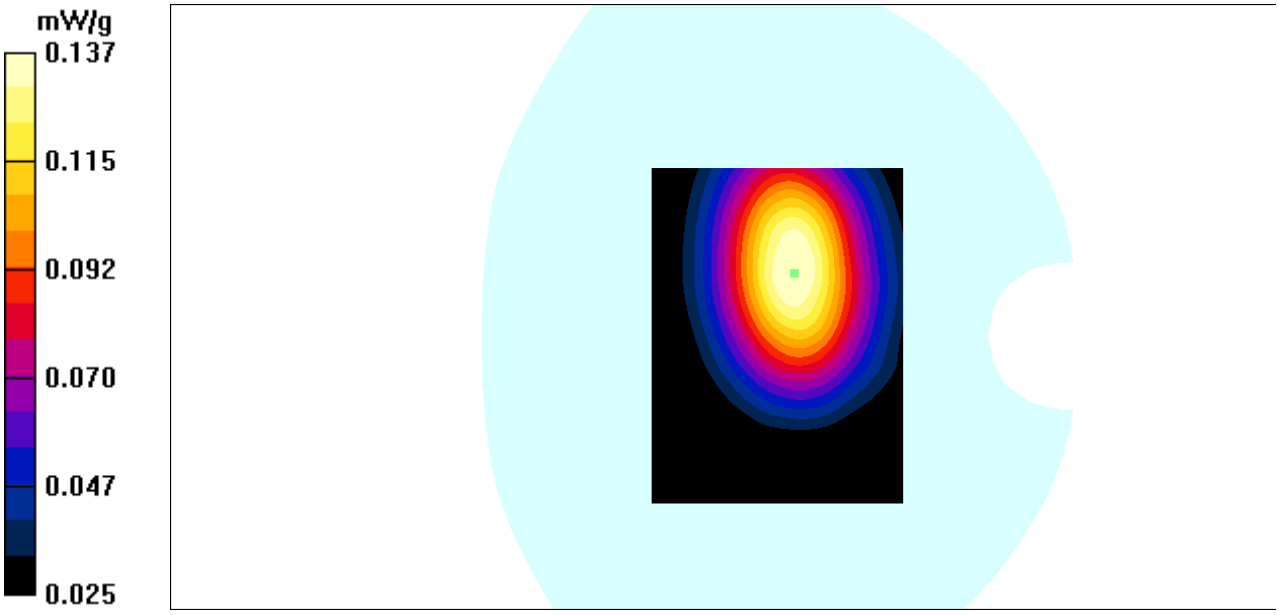
DUT: Mobile Phone ; Model: AX1055

Communication System: LTE 4G Band; Frequency: 836.5 MHz;Duty Cycle: 1:1
Medium parameters used: f = 836.5 MHz; σ = 0.99 S/m; εr = 53.23; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
- Probe: ES3DV3 - SN3036; ConvF(6.20, 6.20, 6.20); Calibrated: 16/9/2016
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: Dummy DAE - SN:456; Calibrated: 12/9/2016
- Phantom: TWIN SAM; Type: QD000P40CA; Serial: TP-1218
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

LTE Band 5-body-worn-right-mid-50%RB /Area Scan (91x121x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.139 mW/g

LTE Band 5-body-worn-right-mid-50%RB /Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value =10.5 V/m; Power Drift = 0.047 dB
Peak SAR (extrapolated) = 0.162 W/kg
SAR(1 g) = 0.129 mW/g; SAR(10 g) = 0.096 mW/g
Maximum value of SAR (measured) = 0.137 mW/g



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

Test Plot 101#:LTE Band 5 Body Worn Bottom High Channel

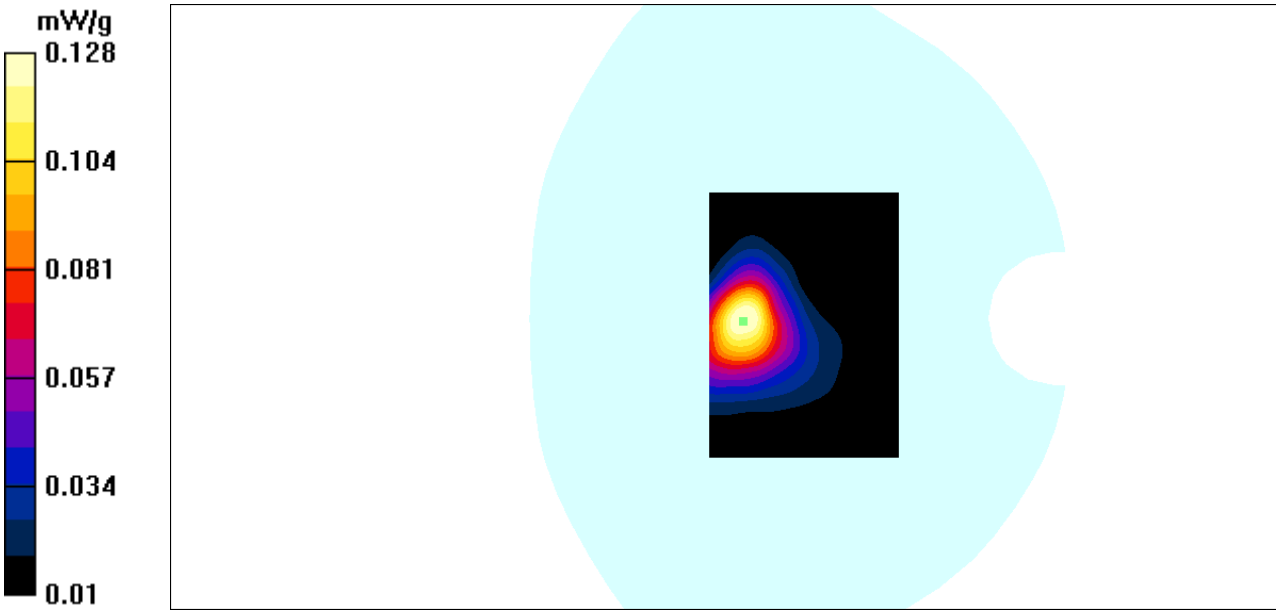
DUT: Mobile Phone ; Model: AX1055

Communication System: LTE 4G Band; Frequency: 844 MHz;Duty Cycle: 1:1
Medium parameters used: f = 844 MHz; σ = 1.00 S/m; εr = 53.03; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
- Probe: ES3DV3 - SN3036; ConvF(6.20, 6.20, 6.20); Calibrated: 16/9/2016
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: Dummy DAE - SN:456; Calibrated: 12/9/2016
- Phantom: TWIN SAM; Type: QD000P40CA; Serial: TP-1218
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

LTE Band 5-body-worn-bottom-high-1RB /Area Scan (91x121x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.135 mW/g

LTE Band 5-body-worn-bottom-high-1RB /Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 6.26 V/m; Power Drift = 0.038 dB
Peak SAR (extrapolated) = 0.200 W/kg
SAR(1 g) = 0.117 mW/g; SAR(10 g) = 0.068 mW/g
Maximum value of SAR (measured) = 0.128 mW/g



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

Test Plot 102#:LTE Band 5 Body Worn Bottom Middle Channel

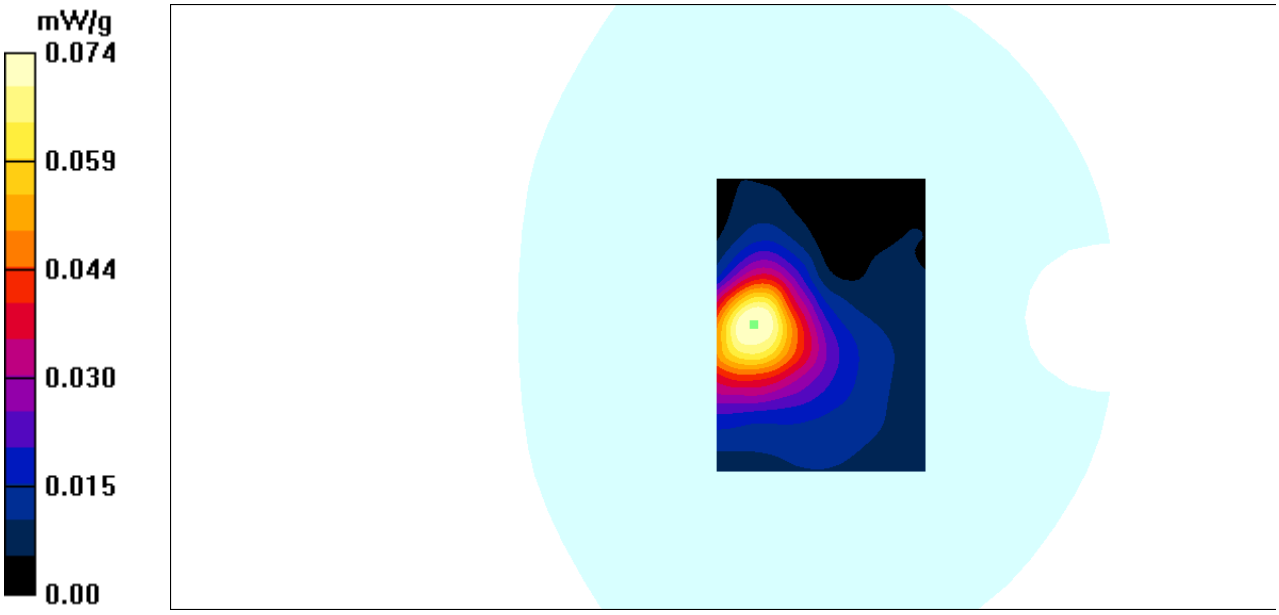
DUT: Mobile Phone ; Model: AX1055

Communication System: LTE 4G Band; Frequency: 836.5 MHz;Duty Cycle: 1:1
Medium parameters used: f = 836.5 MHz; σ = 0.99 S/m; εr = 53.23; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
- Probe: ES3DV3 - SN3036; ConvF(6.20, 6.20, 6.20); Calibrated: 16/9/2016
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: Dummy DAE - SN:456; Calibrated: 12/9/2016
- Phantom: TWIN SAM; Type: QD000P40CA; Serial: TP-1218
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

LTE Band 5-body-worn-bottom-mid-50%RB /Area Scan (91x121x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.078 mW/g

LTE Band 5-body-worn-bottom-mid-50%RB /Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 5.32 V/m; Power Drift = 0.00 dB
Peak SAR (extrapolated) = 0.105 W/kg
SAR(1 g) = 0.069 mW/g; SAR(10 g) = 0.043 mW/g
Maximum value of SAR (measured) = 0.074 mW/g



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

Test Plot 103#: LTE Band 7 Body Worn Back High Channel

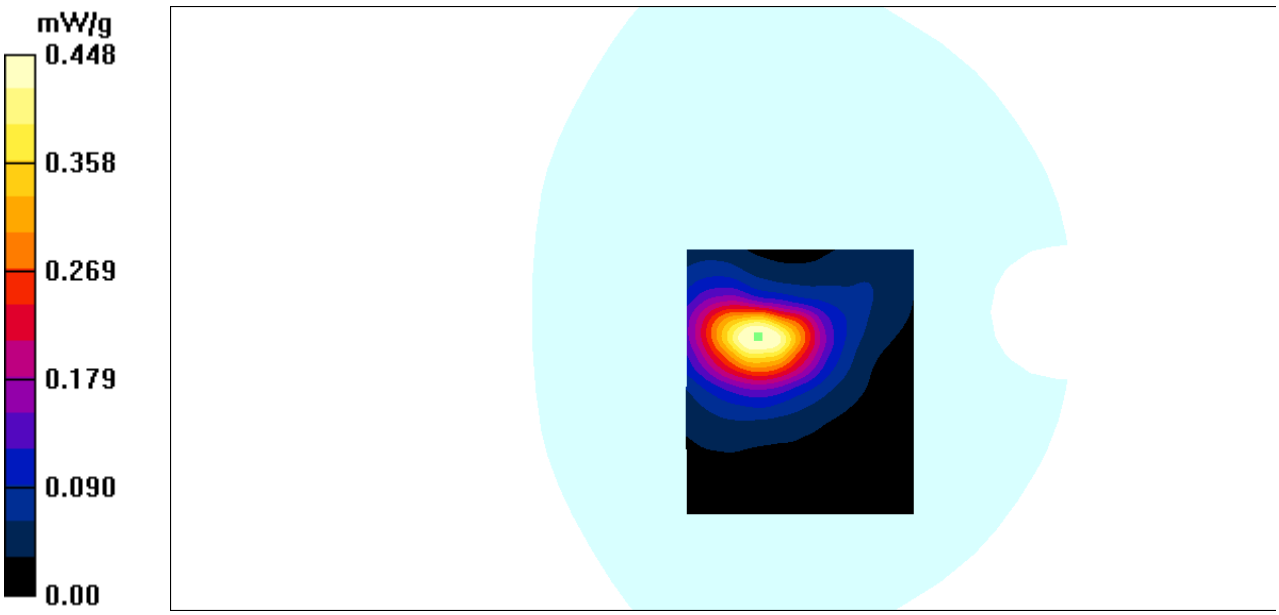
DUT: Mobile Phone ; Type: AX1055

Communication System: LTE 4G Band; Frequency: 2560 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2560 MHz; σ = 2.05 S/m; εr = 53.88; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
- Probe: EX3DV4 - SN7431; ConvF(7.47, 7.47, 7.47); Calibrated: 04/10/2016
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: Dummy DAE - SN:456; Calibrated: 12/9/2016
- Phantom: TWIN SAM; Type: QD000P40CA; Serial: TP-1218
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

LTE Band 7 -body-worn-back-high-1RB /Area Scan (91x111x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.471 mW/g

LTE Band 7 -body-worn-back-high-1RB /Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 9.97 V/m; Power Drift = 0.139 dB
Peak SAR (extrapolated) = 0.996 W/kg
SAR(1 g) = 0.419 mW/g; SAR(10 g) = 0.199 mW/g
Maximum value of SAR (measured) = 0.448 mW/g



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

Test Plot 104#: LTE Band 7 Body Worn Back High Channel

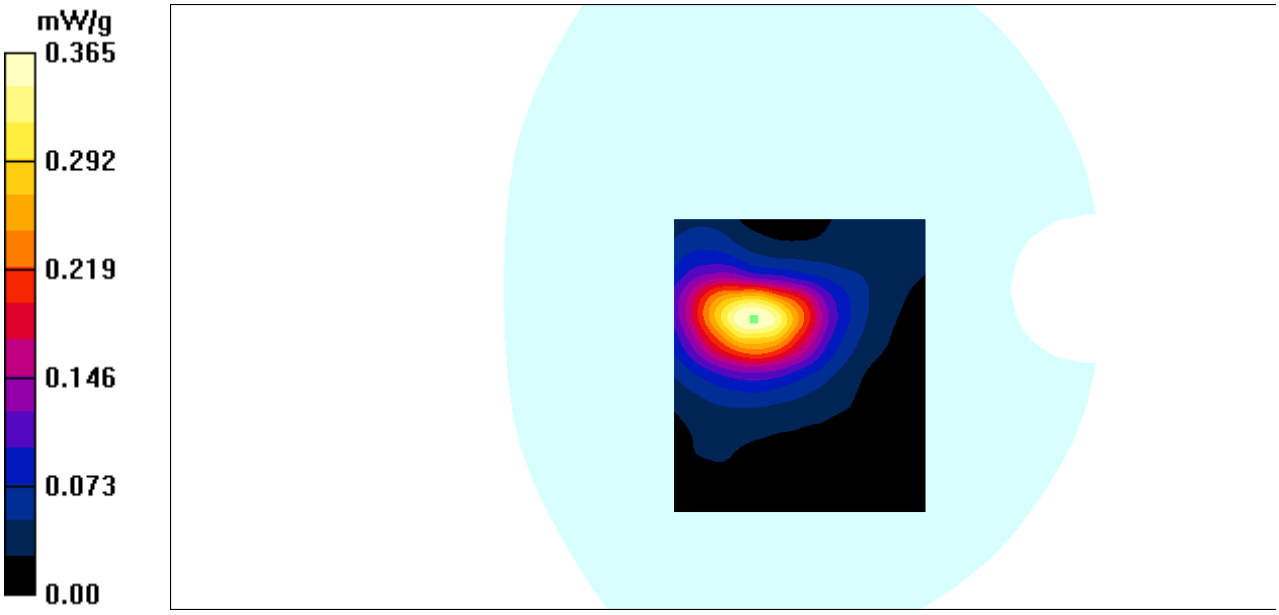
DUT: Mobile Phone; Type: AX1055

Communication System: LTE 4G Band; Frequency: 2560 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2560 MHz; σ = 2.05 S/m; εr = 53.88; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
- Probe: EX3DV4 - SN7431; ConvF(7.47, 7.47, 7.47); Calibrated: 04/10/2016
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: Dummy DAE - SN:456; Calibrated: 12/9/2016
- Phantom: TWIN SAM; Type: QD000P40CA; Serial: TP-1218
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

LTE Band 7 -body-worn-back-high-50%RB /Area Scan (91x111x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.370 mW/g

LTE Band 7 -body-worn-back-high-50%RB /Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 8.84 V/m; Power Drift = 0.093 dB
Peak SAR (extrapolated) = 0.765 W/kg
SAR(1 g) = 0.329 mW/g; SAR(10 g) = 0.156 mW/g
Maximum value of SAR (measured) = 0.365 mW/g



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

Test Plot 105#: LTE Band 7 Body Worn Left High Channel

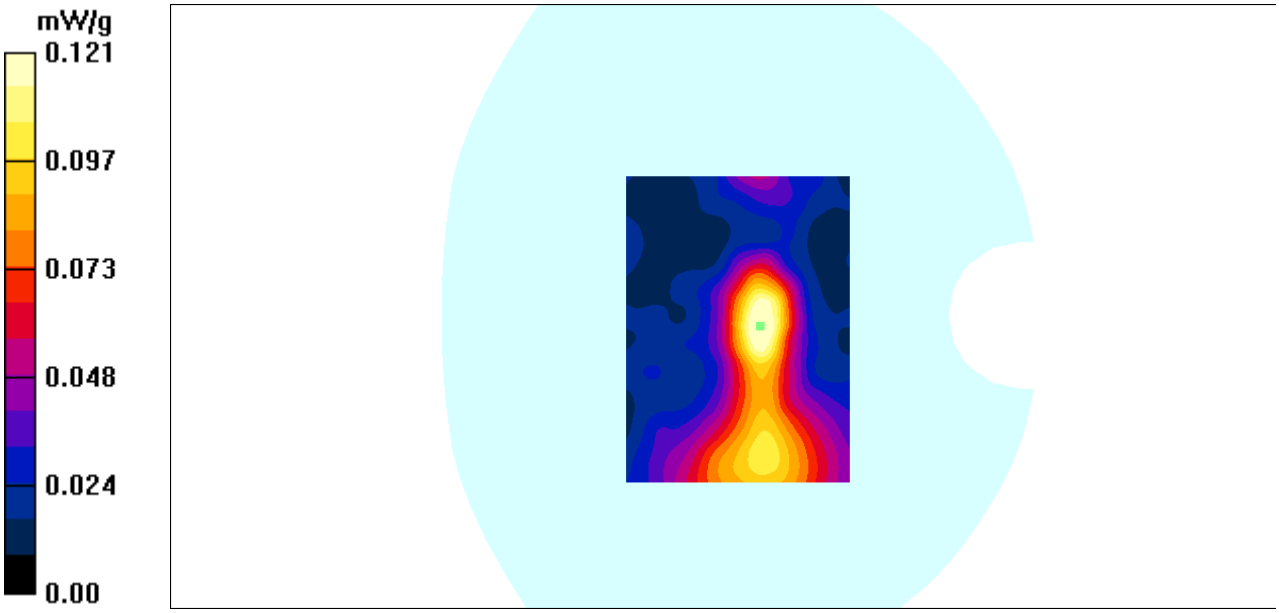
DUT: Mobile Phone ; Type: AX1055

Communication System: LTE 4G Band; Frequency: 2560 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2560 MHz; σ = 2.05 S/m; εr = 53.88; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
- Probe: EX3DV4 - SN7431; ConvF(7.47, 7.47, 7.47); Calibrated: 04/10/2016
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: Dummy DAE - SN:456; Calibrated: 12/9/2016
- Phantom: TWIN SAM; Type: QD000P40CA; Serial: TP-1218
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

LTE Band 7 -body-worn-left-high-1RB /Area Scan (91x111x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.130 mW/g

LTE Band 7 -body-worn-left-high-1RB /Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 6.56 V/m; Power Drift = -0.088 dB
Peak SAR (extrapolated) = 0.300 W/kg
SAR(1 g) = 0.104 mW/g; SAR(10 g) = 0.046 mW/g
Maximum value of SAR (measured) = 0.121 mW/g



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

Test Plot 106#: LTE Band 7 Body Worn Left High Channel

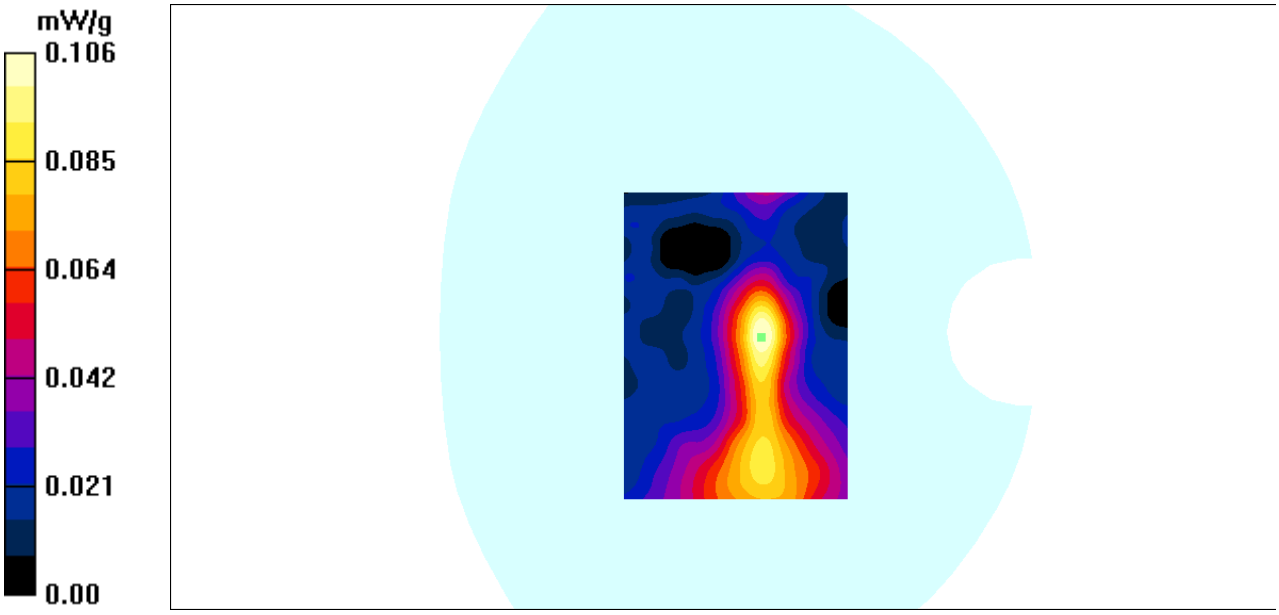
DUT: Mobile Phone ; Type: AX1055

Communication System: LTE 4G Band; Frequency: 2560 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2560 MHz; σ = 2.05 S/m; εr = 53.88; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
- Probe: EX3DV4 - SN7431; ConvF(7.47, 7.47, 7.47); Calibrated: 04/10/2016
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: Dummy DAE - SN:456; Calibrated: 12/9/2016
- Phantom: TWIN SAM; Type: QD000P40CA; Serial: TP-1218
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

LTE Band 7 -body-worn-left-high-50%RB /Area Scan (91x111x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.108 mW/g

LTE Band 7 -body-worn-left-high-50%RB /Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 5.56 V/m; Power Drift = 0.011 dB
Peak SAR (extrapolated) = 0.253 W/kg
SAR(1 g) = 0.091 mW/g; SAR(10 g) = 0.037 mW/g
Maximum value of SAR (measured) = 0.106 mW/g



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

Test Plot 107#: LTE Band 7 Body Worn Right High Channel

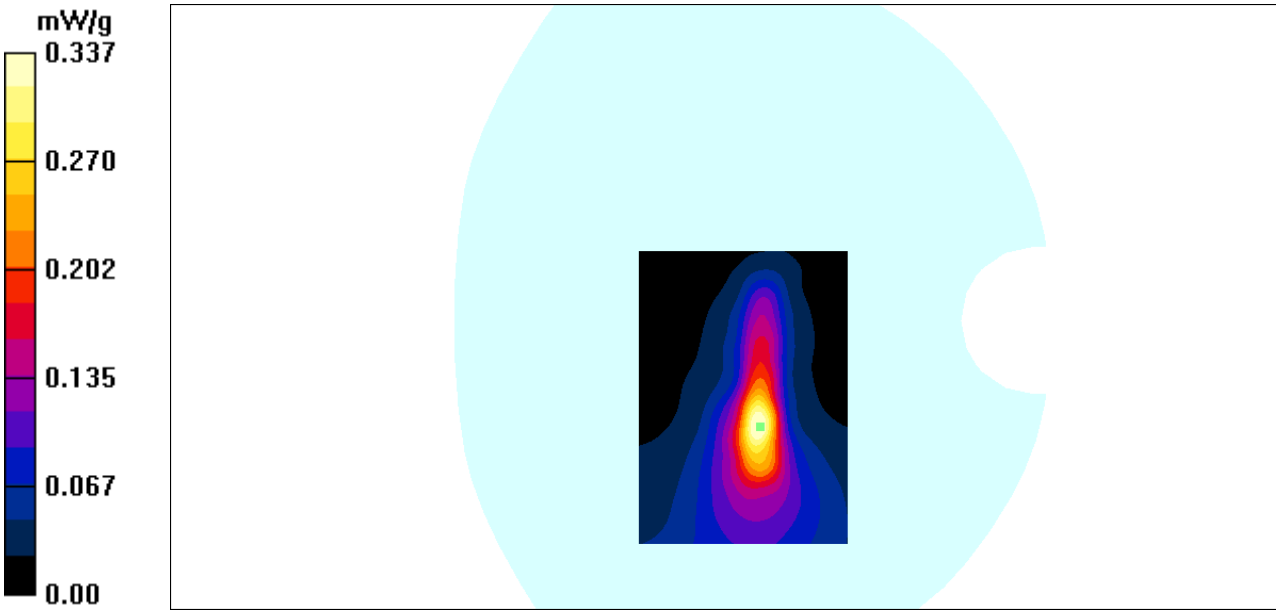
DUT: Mobile Phone ; Type: AX1055

Communication System: LTE 4G Band; Frequency: 2560 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2560 MHz; σ = 2.05 S/m; εr = 53.88; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
- Probe: EX3DV4 - SN7431; ConvF(7.47, 7.47, 7.47); Calibrated: 04/10/2016
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: Dummy DAE - SN:456; Calibrated: 12/9/2016
- Phantom: TWIN SAM; Type: QD000P40CA; Serial: TP-1218
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

LTE Band 7 -body-worn-right-high-1RB /Area Scan (91x111x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.344 mW/g

LTE Band 7 -body-worn-right-high-1RB /Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 7.87 V/m; Power Drift = 0.016 dB
Peak SAR (extrapolated) = 0.593 W/kg
SAR(1 g) = 0.273 mW/g; SAR(10 g) = 0.112 mW/g
Maximum value of SAR (measured) = 0.337 mW/g



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

Test Plot 108#: LTE Band 7 Body Worn Right High Channel

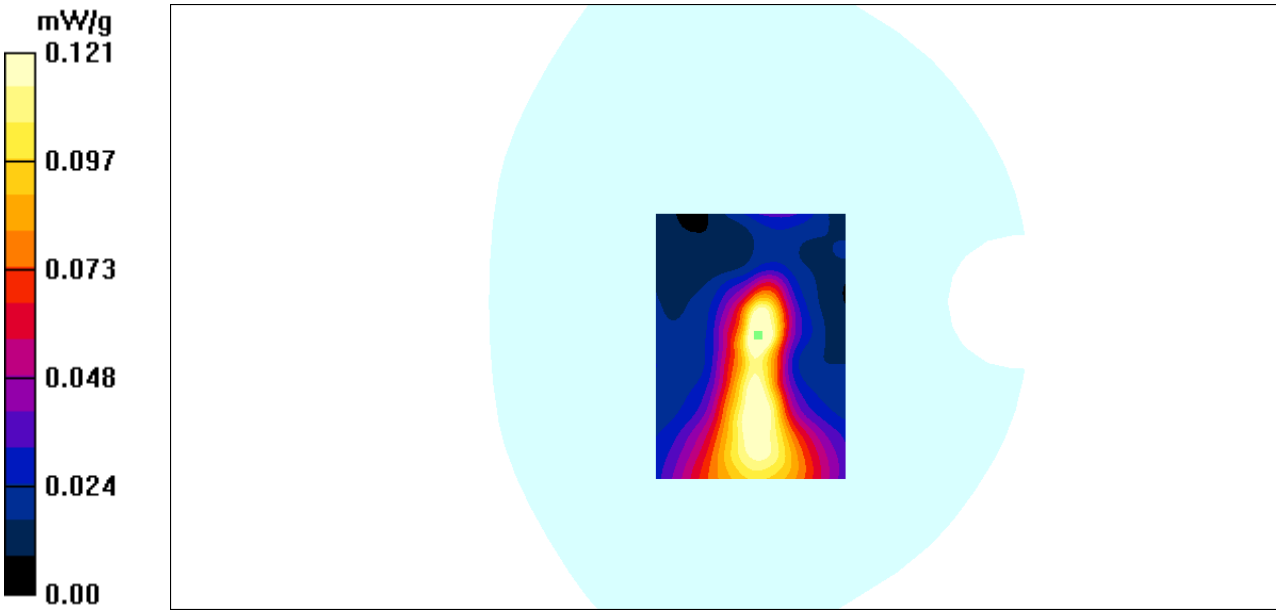
DUT: Mobile Phone ; Type: AX1055

Communication System: LTE 4G Band; Frequency: 2560 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2560 MHz; σ = 2.05 S/m; εr = 53.88; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
- Probe: EX3DV4 - SN7431; ConvF(7.47, 7.47, 7.47); Calibrated: 04/10/2016
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: Dummy DAE - SN:456; Calibrated: 12/9/2016
- Phantom: TWIN SAM; Type: QD000P40CA; Serial: TP-1218
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

LTE Band 7 -body-worn-right-high-50%RB /Area Scan (91x111x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.124 mW/g

LTE Band 7 -body-worn-right-high-50%RB /Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 7.03 V/m; Power Drift = 0.057 dB
Peak SAR (extrapolated) = 0.218 W/kg
SAR(1 g) = 0.104 mW/g; SAR(10 g) = 0.044 mW/g
Maximum value of SAR (measured) = 0.121 mW/g



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

Test Plot 109#: LTE Band 7 Body Worn Bottom High Channel

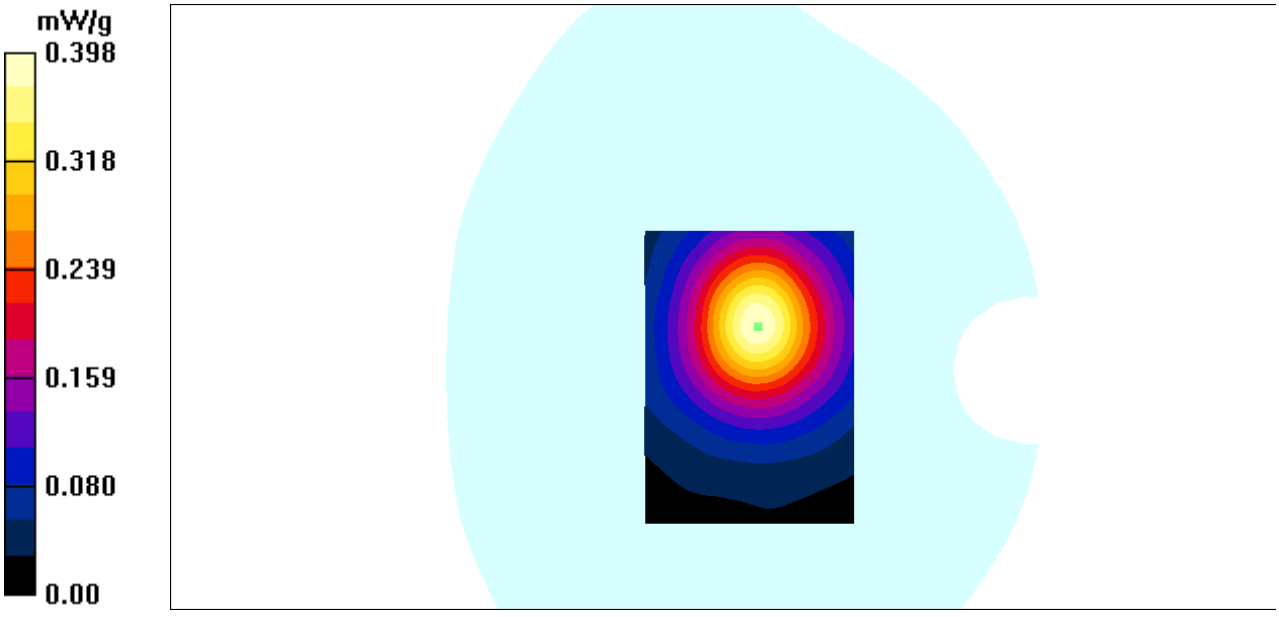
DUT: Mobile Phone ; Type: AX1055

Communication System: LTE 4G Band; Frequency: 2560 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2560 MHz; σ = 2.05 S/m; εr = 53.88; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
- Probe: EX3DV4 - SN7431; ConvF(7.47, 7.47, 7.47); Calibrated: 04/10/2016
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: Dummy DAE - SN:456; Calibrated: 12/9/2016
- Phantom: TWIN SAM; Type: QD000P40CA; Serial: TP-1218
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

LTE Band 7 -body-worn-bottom-high-1RB /Area Scan (91x111x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.396 mW/g

LTE Band 7 -body-worn-bottom-high-1RB /Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 11.9 V/m; Power Drift = -0.016 dB
Peak SAR (extrapolated) = 0.780 W/kg
SAR(1 g) = 0.361 mW/g; SAR(10 g) = 0.180 mW/g
Maximum value of SAR (measured) = 0.398 mW/g



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

Test Plot 110#: LTE Band 7 Body Worn Bottom High Channel

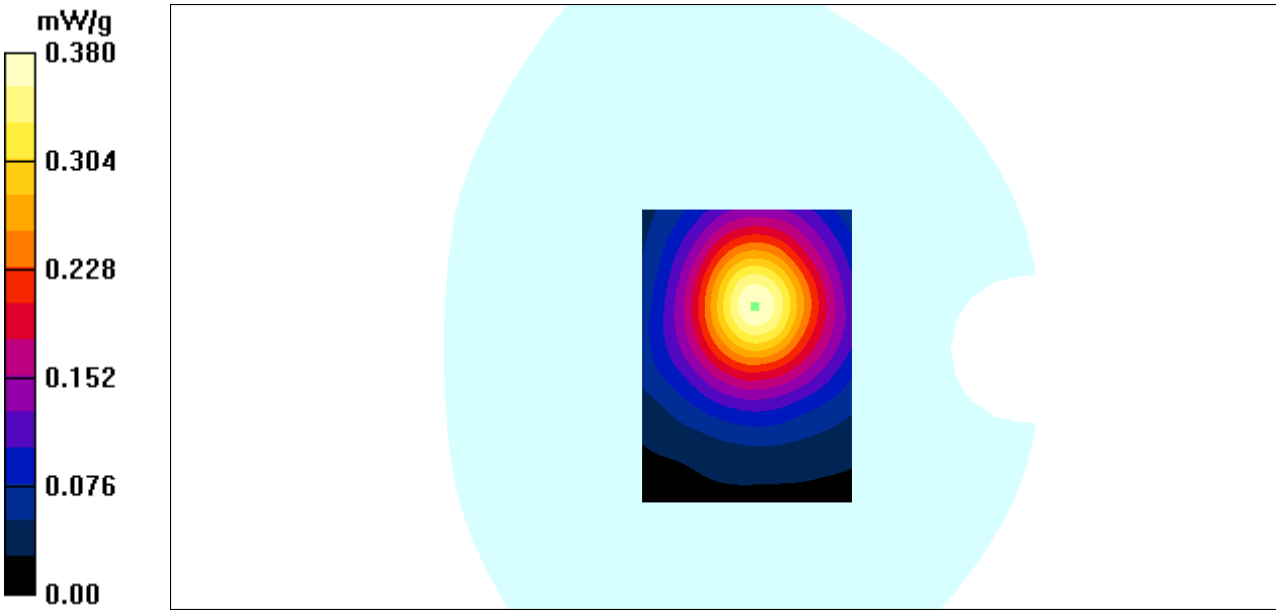
DUT: Mobile Phone ; Type: AX1055

Communication System: LTE 4G Band; Frequency: 2560 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2560 MHz; σ = 2.05 S/m; εr = 53.88; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
- Probe: EX3DV4 - SN7431; ConvF(7.47, 7.47, 7.47); Calibrated: 04/10/2016
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: Dummy DAE - SN:456; Calibrated: 12/9/2016
- Phantom: TWIN SAM; Type: QD000P40CA; Serial: TP-1218
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

LTE Band 7 -body-worn-bottom-high-50%RB /Area Scan (91x111x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.378 mW/g

LTE Band 7 -body-worn-bottom-high-50%RB /Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 11.9 V/m; Power Drift = -0.077 dB
Peak SAR (extrapolated) = 0.713 W/kg
SAR(1 g) = 0.341 mW/g; SAR(10 g) = 0.169 mW/g
Maximum value of SAR (measured) = 0.380 mW/g



APPENDIX A MEASUREMENT UNCERTAINTY

The uncertainty budget has been determined for the DASY4 measurement system and is given in the following Table.

DASY4 Uncertainty Budget According to IEEE 1528								
Error Description	Uncertainty Value	Prob. Dist.	Div.	(c i) 1g	(c i) 10g	Std. Unc. (1g)	Std. Unc. (10g)	(v i) veff
Measurement System								
Probe Calibration	± 6.0 %	N	1	1	1	± 6.0 %	± 6.0 %	∝
Axial Isotropy	± 4.7 %	R	$\sqrt{3}$	0.7	0.7	± 1.9 %	± 1.9 %	∝
Hemispherical Isotropy	± 9.6 %	R	$\sqrt{3}$	0.7	0.7	± 3.9 %	± 3.9 %	∝
Boundary Effects	± 1.0 %	R	$\sqrt{3}$	1	1	± 0.6 %	± 0.6 %	∝
Linearity	± 4.7 %	R	$\sqrt{3}$	1	1	± 2.7 %	± 2.7 %	∝
System Detection Limits	± 1.0 %	R	$\sqrt{3}$	1	1	± 0.6 %	± 0.6 %	∝
Readout Electronics	± 0.3 %	N	1	1	1	± 0.3 %	± 0.3 %	∝
Response Time	± 0.8 %	R	$\sqrt{3}$	1	1	± 0.5 %	± 0.5 %	∝
Integration Time	± 2.6 %	R	$\sqrt{3}$	1	1	± 1.5 %	± 1.5 %	∝
RF Ambient Noise	± 3.0 %	R	$\sqrt{3}$	1	1	± 1.7 %	± 1.7 %	∝
RF Ambient Conditions	± 3.0 %	R	$\sqrt{3}$	1	1	± 1.7 %	± 1.7 %	∝
Probe Positioner	± 0.4 %	R	$\sqrt{3}$	1	1	± 0.2 %	± 0.2 %	∝
Probe Positioning	± 2.9 %	R	$\sqrt{3}$	1	1	± 1.7 %	± 1.7 %	∝
Max. SAR Eval.	± 1.0 %	R	$\sqrt{3}$	1	1	± 0.6 %	± 0.6 %	∝
Test Sample Related								
Device Positioning	± 2.9 %	N	1	1	1	± 2.9 %	± 2.9 %	145
Device Holder	± 3.6 %	N	1	1	1	± 3.6 %	± 2.6 %	5
Power Drift	± 5.0 %	R		1	1	± 2.9 %	± 2.9 %	∝
Phantom and Setup								
Phantom Uncertainty	± 4.0 %	R	$\sqrt{3}$	1	1	± 2.3 %	± 2.3 %	∝
Liquid Conductivity (Target)	± 5.0 %	R	$\sqrt{3}$	0.64	0.43	± 1.8 %	± 1.2 %	∝
Liquid Conductivity (meas.)	± 2.5 %	N	1	0.64	0.43	± 1.6 %	± 1.1 %	∝
Liquid Permittivity (Target)	± 5.0 %	R	$\sqrt{3}$	0.6	0.49	± 1.7 %	± 1.4 %	∝
Liquid Permittivity (Target)	± 2.5 %	N	1	0.6	0.49	± 1.5 %	± 1.0 %	∝
Combined Std. Uncertainty	-	-	-	-	-	± 10.7 %	± 10.4 %	330
Expanded STD Uncertainty	-	-	-	-	-	± 21.4 %	± 20.8 %	-

DASY4 Uncertainty Budget According to IEC 62209-2								
Error Description	Uncertainty Value	Prob. Dist.	Div.	(c i) 1g	(c i) 10g	Std. Unc. (1g)	Std. Unc. (10g)	(v i) veff
Measurement System								
Probe Calibration	± 6.0 %	N	1	1	1	± 6.0 %	± 6.0 %	∝
Axial Isotropy	± 4.7 %	R	$\sqrt{3}$	0.7	0.7	± 1.9 %	± 1.9 %	∝
Boundary Effects	± 1.0 %	R	$\sqrt{3}$	1	1	± 0.6 %	± 0.6 %	∝
Linearity	± 4.7 %	R	$\sqrt{3}$	1	1	± 2.7 %	± 2.7 %	∝
System Detection Limits	± 1.0 %	R	$\sqrt{3}$	1	1	± 0.6 %	± 0.6 %	∝
Readout Electronics	± 0.3 %	N	1	1	1	± 0.3 %	± 0.3 %	∝
Response Time	± 0.8 %	R	$\sqrt{3}$	1	1	± 0.5 %	± 0.5 %	∝
Integration Time	± 2.6 %	R	$\sqrt{3}$	1	1	± 1.5 %	± 1.5 %	∝
RF Ambient Noise	± 3.0 %	R	$\sqrt{3}$	1	1	± 1.7 %	± 1.7 %	∝
RF Ambient Conditions	± 3.0 %	R	$\sqrt{3}$	1	1	± 1.7 %	± 1.7 %	∝
Probe Positioner	± 0.4 %	R	$\sqrt{3}$	1	1	± 0.2 %	± 0.2 %	∝
Probe Positioning	± 2.9 %	R	$\sqrt{3}$	1	1	± 1.7 %	± 1.7 %	∝
Max. SAR Eval.	± 1.0 %	R	$\sqrt{3}$	1	1	± 0.6 %	± 0.6 %	∝
Test Sample Related								
Device Positioning	± 2.9 %	N	1	1	1	± 2.9 %	± 2.9 %	145
Device Holder	± 3.6 %	N	1	1	1	± 3.6 %	± 2.6 %	5
Power Drift	± 5.0 %	R		1	1	± 2.9 %	± 2.9 %	∝
Phantom and Setup								
Phantom Uncertainty	± 4.0 %	R	$\sqrt{3}$	1	1	± 2.3 %	± 2.3 %	∝
Liquid Conductivity (Target)	± 5.0 %	R	$\sqrt{3}$	0.64	0.43	± 1.8 %	± 1.2 %	∝
Liquid Conductivity (meas.)	± 2.5 %	N	1	0.64	0.43	± 1.6 %	± 1.1 %	∝
Liquid Permittivity (Target)	± 5.0 %	R	$\sqrt{3}$	0.6	0.49	± 1.7 %	± 1.4 %	∝
Liquid Permittivity (Target)	± 2.5 %	N	1	0.6	0.49	± 1.5 %	± 1.0 %	∝
Combined Std. Uncertainty	-	-	-	-	-	± 10.7 %	± 10.4 %	330
Expanded STD Uncertainty	-	-	-	-	-	± 21.4 %	± 20.8 %	-

Appendixes

Refer to separated files for the following appendixes.

APPENDIX B PROBE&DIPOLES CALIBRATION CERTIFICATES.
APPENDIX C DIPOLES CALIBRATION CERTIFICATES.
APPENDIX D&E EUT AND TEST POSITION PHOTOS

APPENDIX F INFORMATIVE REFERENCES

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