

# A Test Lab Techno Corp.

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## SAR EVALUATION REPORT

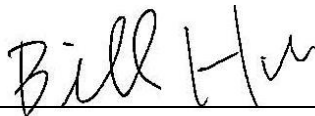


Test Report No.	: 1410FS12-03
Applicant	: DBI Innovations Limited
Product Type	: GSM/WCDMA/LTE Android Smartphone
Trade Name	: Tonino Lamborghini
Model Number	: 88 Tauri
Date of Received	: Sep. 03, 2014
Test Period	: Sep. 04 ~ Sep. 24, 2014
Date of Issued	: Nov. 20, 2014
Test Environment	: Ambient Temperature : $22 \pm 2^{\circ}\text{C}$ Relative Humidity : 40 - 70 %
Standard	: KDB 865664 D01 SAR Measurement 100 MHz to 6 GHz v01r03 KDB 865664 D02 RF Exposure Reporting v01r01 ANSI/IEEE C95.1-1999 IEEE Std. 1528-2013 IEEE Std. 1528a-2005 47 CFR Part §2.1093; KDB 447498 D01 KDB 248227 D01 KDB 648474 D04 KDB 941225 D01 / D02 / D03 / D05 / D06
Max. Reported SAR	: 0.696 W/kg Head SAR 0.900 W/kg Body SAR
Test Lab Location	: Chang-an Lab



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# Contents

1. Summary of Maximum Reported SAR Value .....	4
2. Description of Equipment under Test (EUT) .....	5
3. Introduction.....	7
3.1 SAR Definition .....	7
4. SAR Measurement Setup .....	8
4.1 DASY E-Field Probe System.....	9
4.2 Data Acquisition Electronic (DAE) System .....	12
4.3 Robot.....	12
4.4 Measurement Server .....	12
4.5 Device Holder .....	13
4.6 Phantom - SAM v4.0 .....	13
4.7 Oval Flat Phantom - ELI 4.0 .....	14
4.8 Data Storage and Evaluation.....	14
5. Tissue Simulating Liquids.....	17
5.1 Ingredients.....	18
5.2 Recipes.....	18
5.3 Liquid Depth .....	19
6. SAR Testing with RF Transmitters .....	20
6.1 SAR Testing with GSM/GPRS/EGPRS Transmitters .....	20
6.2 SAR Testing with WCDMA Transmitters .....	20
6.3 SAR Testing with HSDPA Transmitters .....	20
6.4 SAR Testing with LTE-FDD Transmitters .....	22
6.5 LTE Frequency range and channel bandwidth.....	23
6.6 Power reduction .....	25
6.7 SAR Testing with 802.11 Transmitters.....	26
6.8 General Device Setup .....	26
6.9 Conducted Power .....	28
6.10 Antenna location.....	52
6.11 Stand-alone SAR Evaluate.....	57
6.12 Simultaneous Transmitting Evaluate .....	58
6.13 SAR test reduction according to KDB .....	64
7. System Verification and Validation .....	66
7.1 Symmetric Dipoles for System Verification .....	66
7.2 Liquid Parameters .....	67
7.3 Verification Summary .....	70
7.4 Validation Summary .....	72
8. Test Equipment List.....	73
9. Measurement Uncertainty .....	74

10. Measurement Procedure.....	76
10.1 Spatial Peak SAR Evaluation .....	76
10.2 Area & Zoom Scan Procedures .....	77
10.3 Volume Scan Procedures.....	77
10.4 SAR Averaged Methods .....	77
10.5 Power Drift Monitoring.....	77
11. SAR Test Results Summary .....	78
11.1 Head Measurement SAR .....	78
11.2 Body Measurement SAR.....	83
11.3 Hot-spot mode Measurement SAR .....	83
11.4 Extremity Measurement SAR .....	89
11.5 SAR Measurement Variability.....	89
11.6 Std. C95.1-1999 RF Exposure Limit.....	90
12. Conclusion.....	91
13. References .....	91
14. SAR Measurement Guidance .....	92
Appendix A - System Performance Check .....	93
Appendix B - SAR Measurement Data .....	108
Appendix C - Calibration.....	299

## 1. Summary of Maximum Reported SAR Value

Band	Max. Reported Head SAR1g(W/Kg)
GSM/GPRS/EGPRS/DTM 850 (SIM1)	0.432
GSM/GPRS/EGPRS/DTM 850 (SIM2)	0.234
GSM/GPRS/EGPRS/DTM 1900 (SIM1)	0.315
GSM/GPRS/EGPRS/DTM 1900 (SIM2)	0.560
WCDMA Band II	0.437
WCDMA Band V	0.272
LTE Band 2 (QPSK)	0.523
LTE Band 4 (QPSK)	0.696
LTE Band 5 (QPSK)	0.306
2.4G WLAN	0.211
Bluetooth	N/A
Simultaneous Transmission	1.199

Band	Max. Reported Body SAR1g(W/Kg)
GSM/GPRS/EGPRS/DTM 850 (SIM1)	0.576
GSM/GPRS/EGPRS/DTM 850 (SIM2)	0.323
GSM/GPRS/EGPRS/DTM 1900 (SIM1)	0.442
GSM/GPRS/EGPRS/DTM 1900 (SIM2)	0.241
WCDMA Band II	0.517
WCDMA Band V	0.371
LTE Band 2 (QPSK)	0.729
LTE Band 4 (QPSK)	0.900
LTE Band 5 (QPSK)	0.386
2.4G WLAN	0.105
Bluetooth	0.013
Simultaneous Transmission	1.286

Note: The SAR limit (Head & Body: SAR1g 1.6 W/kg) for general population / uncontrolled exposure is specified in ANSI/IEEE C95.1-1991.

## 2. Description of Equipment under Test (EUT)

Applicant	DBI Innovations Limited	
Applicant Address	3905 Two Exchange Square, Suite No.8459, 8 Connaught Place, Hong Kong	
Manufacture	Qisda (Suzhou) Co., Ltd.	
Manufacture Address	169, Zhujiang Road, New District, Suzhou, Jiangsu Province, P.R. China	
Product Type	GSM/WCDMA/LTE Android Smartphone	
Trade Name	Tonino Lamborghini	
Model Number	88 Tauri	
IMEI No.	IMEI1: 356537050191189, IMEI2: 356537050195636	
FCC ID	2ADF9-88TAURI	
RF Function	GSM/GPRS/EGPRS/DTM 850 GSM/GPRS/EGPRS/DTM 1900 WCDMA(RMC 12.2K) / HSDPA / HSUPA / HSPA+ Band II WCDMA(RMC 12.2K) / HSDPA / HSUPA / HSPA+ Band V LTE Band 2 / Band 4 / Band 5 IEEE 802.11b / 802.11g / 802.11n (2.4GHz) 20MHz Bluetooth v3.0 Bluetooth v4.0 LE	
Tx Frequency	Band	Operate Frequency (MHz)
	GSM/GPRS/EGPRS/DTM 850	824.2 - 848.8
	GSM/GPRS/EGPRS/DTM 1900	1850.2 - 1909.8
	WCDMA(RMC 12.2K) / HSDPA / HSUPA / HSPA+ Band II	1852.4 - 1907.6
	WCDMA (RMC 12.2K) / HSDPA / HSUPA / HSPA+ Band V	826.4 - 846.6
	LTE Band 2 (BW 1.4, 3, 5, 10, 15, 20 MHz)	1850.7 - 1909.3
	LTE Band 4 (BW 1.4, 3, 5, 10, 15, 20 MHz)	1710.7 - 1754.3
	LTE Band 5 (BW 1.4, 3, 5, 10 MHz)	824.7 - 848.3
	IEEE 802.11b / 802.11g / 802.11n (2.4GHz) 20MHz	2412 - 2462
	Bluetooth v3.0	2402 - 2480
	Bluetooth v4.0 :LE	2402 - 2480
RF Conducted Power (Avg.)	Band	Power (W / dBm)
	GSM/GPRS/EGPRS/DTM 850	2.099 / 33.22
	GSM/GPRS/EGPRS/DTM 1900	1.245 / 30.95
	WCDMA(RMC 12.2K) / HSDPA / HSUPA / HSPA+ Band II	0.238 / 23.77
	WCDMA (RMC 12.2K) / HSDPA / HSUPA / HSPA+ Band V	0.228 / 23.58
	LTE Band 2	0.215 / 23.32
	LTE Band 4	0.224 / 23.51
	LTE Band 5	0.218 / 23.39
	IEEE 802.11b	0.017 / 12.20
	IEEE 802.11g	0.042 / 16.19
	IEEE 802.11n (2.4GHz) 20MHz	0.028 / 14.52
	Bluetooth v3.0	0.007 / 8.31
	Bluetooth v4.0 LE	0.001 / 0.71

Max. Reported SAR	0.696 W/kg Head SAR 0.900 W/kg Body SAR
Antenna Type	Internal Antenna
Device Category	Portable Device
RF Exposure Environment	General Population / Uncontrolled
Application Type	Certification

This wireless portable device has been shown to be capable of compliance for localized specific absorption rate (SAR) for uncontrolled environment / general population exposure limits specified in Standard C95.1-1999 and had been tested in accordance with the measurement procedures specified in IEEE Std. 1528-2013 and IEEE Std. 1528a-2005.

### 3. Introduction

The A Test Lab Techno Corp. has performed measurements of the maximum potential exposure to the user of **DBI Innovations Limited Trade Name : Tonino Lamborghini Model(s) : 88 Tauri**. The test procedures, as described in American National Standards, Institute C95.1-1999 [ 1 ] were employed and they specify the maximum exposure limit of 1.6mW/g as averaged over any 1 gram of tissue for portable devices being used within 20cm between user and EUT in the uncontrolled environment. A description of the product and operating configuration, detailed summary of the test results, methodology and procedures used in the equipment used are included within this test report.

#### 3.1 SAR Definition

Specific Absorption Rate (SAR) is defined as the time derivative (rate) of the incremental energy (dw) absorbed by (dissipated in) an incremental mass (dm) contained in a volume element (dv) of a given density ( $\rho$ ). It is also defined as the rate of RF energy absorption per unit mass at a point in an absorbing body (see Figure 2).

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

Figure 2. SAR Mathematical Equation

SAR is expressed in units of Watts per kilogram (W/kg)

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

Where :

$\sigma$  = conductivity of the tissue (S/m)

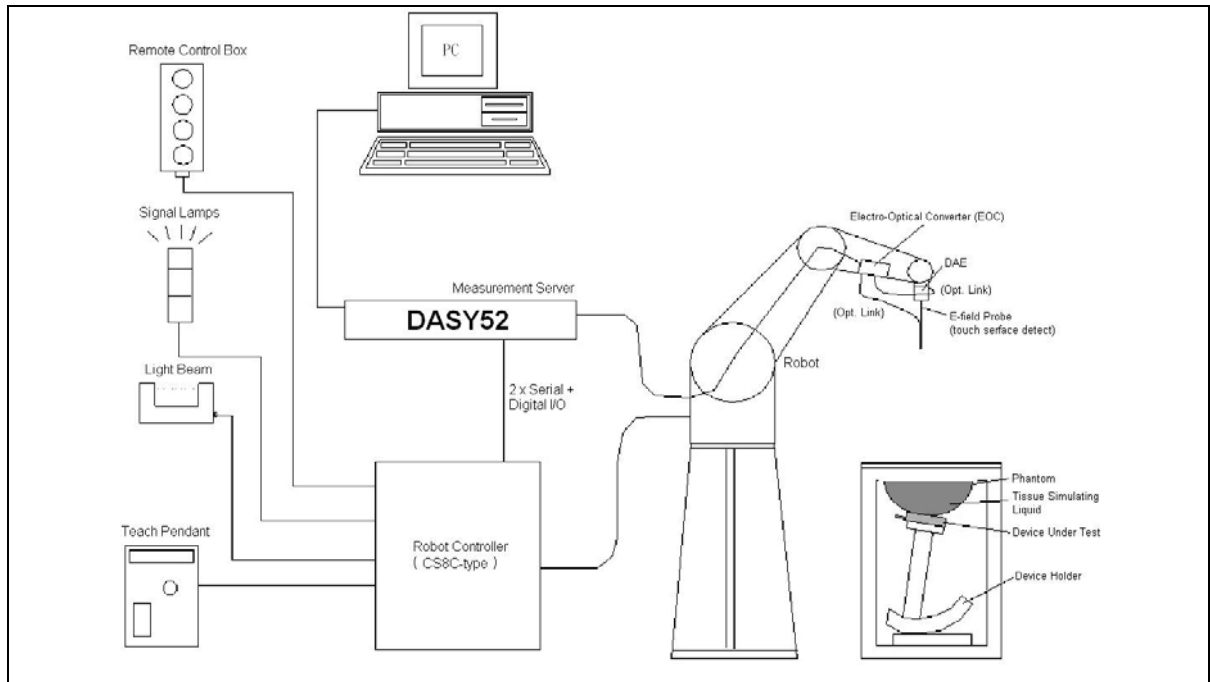
$\rho$  = mass density of the tissue (kg/m<sup>3</sup>)

$E$  = RMS electric field strength (V/m)

\* Note :

The primary factors that control rate of energy absorption were found to be the wavelength of the incident field in relations to the dimensions and geometry of the irradiated organism, the orientation of the organism in relation to the polarity of field vectors, the presence of reflecting surfaces, and whether conductive contact is made by the organism with a ground plane [ 2 ]

## 4. SAR Measurement Setup



The DASY52 system for performing compliance tests consists of the following items:

1. A standard high precision 6-axis robot (Stäubli TX family) with controller, teach pendant and software. An arm extension for accommodating the data acquisition electronics (DAE).
2. A dosimetric probe, i.e., an isotropic E-field probe optimized and calibrated for usage in tissue simulating liquid. The probe is equipped with an optical surface detector system.
3. A data acquisition 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.
4. 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.
5. A probe alignment unit which improves the (absolute) accuracy of the probe positioning.
6. A computer operating Windows 2000 or Windows XP.
7. DASY52 software.
8. Remote controls with teach pendant and additional circuitry for robot safety such as warning lamps, etc.
9. The SAM twin phantom enabling testing left-hand and right-hand usage.
10. The device holder for handheld mobile phones.
11. Tissue simulating liquid mixed according to the given recipes.
12. Validation dipole kits allowing validating the proper functioning of the system.



## 4.1 DASYS E-Field Probe System

The SAR measurements were conducted with the dosimetric probe (manufactured by SPEAG), designed in the classical triangular configuration [3] 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 DASYS 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.

4.1.1 E-Field Probe Specification

Construction	Symmetrical design with triangular core Built-in optical fiber for surface detection System Built-in shielding against static charges PEEK enclosure material (resistant to organic solvents, e.q., glycol)
Calibration	In air from 10 MHz to 6 GHz In brain and muscle simulating tissue at frequencies of 835MHz, 1750MHz, 1900MHz and 2450MHz (accuracy $\pm 8\%$ ) Calibration for other liquids and frequencies upon request
Frequency	$\pm 0.2$ dB (30 MHz to 6 GHz)
Directivity	$\pm 0.3$ dB in brain tissue (rotation around probe axis) $\pm 0.5$ dB in brain tissue (rotation normal probe axis) Dynamic Range 10 $\mu$ W/g to > 100mW/g; Linearity: $\pm 0.2$ dB
Dimensions	Overall length: 337mm Tip length: 9mm Body diameter: 10mm Tip diameter: 2.5mm Distance from probe tip to dipole centers: 1.0mm
Application	General dosimetry up to 6GHz Compliance tests of mobile phones Fast automatic scanning in arbitrary phantoms



Figure 3. E-field Probe



Figure 4. Probe setup on robot

#### 4.1.2 E-Field Probe Calibration process

##### Dosimetric Assessment Procedure

Each E-Probe/Probe Amplifier combination has unique calibration parameters. A TEM cell calibration procedure is conducted to determine the proper amplifier settings to enter in the probe parameters. The amplifier settings are determined for a given frequency by subjecting the probe to a known E-field density (1 mW/cm<sup>2</sup>) using an RF Signal generator, TEM cell, and RF Power Meter.

##### Free Space Assessment

The free space E-field from amplified probe outputs is determined in a test chamber. This calibration can be performed in a TEM cell if the frequency is below 1 GHz and in a waveguide or other methodologies 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 rotated 360 degrees until the three channels show the maximum reading. The power density readings equates to 1 mW/cm<sup>2</sup>.

##### Temperature Assessment

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

$$SAR = C \frac{\Delta T}{\Delta t}$$

Where :

$\Delta t$  = Exposure time (30 seconds),

C = Heat capacity of tissue (head or body),

$\Delta T$  = Temperature increase due to RF exposure.

$$\text{Or } SAR = \frac{|E|^2 \sigma}{\rho}$$

Where :

$\sigma$  = Simulated tissue conductivity,

$\rho$  = Tissue density (kg/m<sup>3</sup>).

## 4.2 Data Acquisition Electronic (DAE) System

### Cell Controller

Processor : Intel Core(TM)2 CPU  
Clock Speed : @ 1.86GHz  
Operating System : Windows XP Professional

### Data Converter

Features : Signal Amplifier, multiplexer, A/D converter, and control logic  
Software : DASY52 v52.8 (7) & SEMCAD X Version 14.6.10 (7164)  
Connecting Lines : Optical downlink for data and status info  
Optical uplink for commands and clock

## 4.3 Robot

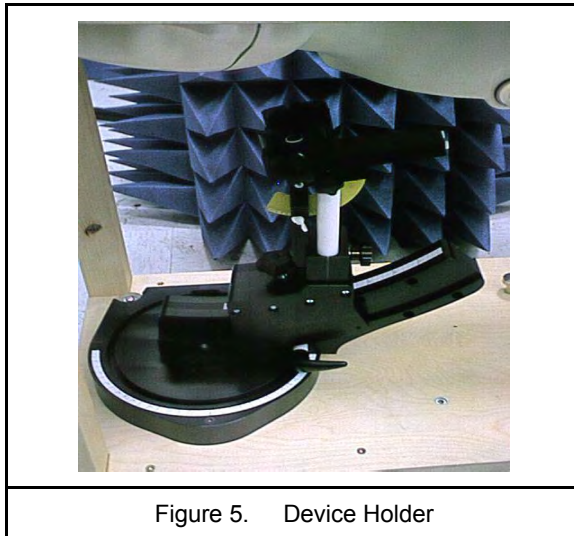
Positioner : Stäubli Unimation Corp. Robot Model: TX90XL  
Repeatability :  $\pm 0.02$  mm  
No. of Axis : 6

## 4.4 Measurement Server

Processor : PC/104 with a 400MHz intel ULV Celeron  
I/O-board : Link to DAE4 (or DAE3)  
16-bit A/D converter for surface detection system  
Digital I/O interface  
Serial link to robot  
Direct emergency stop output for robot

## 4.5 Device Holder

The DASY device holder is constructed of low-loss POM material having the following dielectric parameters: relative permittivity  $\epsilon=3$  and loss tangent  $\delta=0.02$ . 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.



## 4.6 Phantom - SAM v4.0

The shell corresponds to the specifications of the Specific Anthropomorphic Mannequin (SAM) phantom defined in IEEE 1528 and IEC 62209. It enables the dosimetric evaluation of left and right hand phone usage as well as body mounted usage at the flat phantom region. A cover prevents evaporation of the liquid. Reference markings on the phantom allow the complete setup of all predefined phantom positions and measurement grids by manually teaching three points with the robot.

Shell Thickness	$2 \pm 0.2$ mm
Filling Volume	Approx. 25 liters
Dimensions	1000x500 mm (LxW)
Table 1. Specification of SAM v4.0	



Figure 6. SAM Twin Phantom

## 4.7 Oval Flat Phantom - ELI 4.0

The shell corresponds to the specifications of the Specific Anthropomorphic Mannequin (Oval Flat) phantom defined in IEEE 1528-2013, IEEE Std. 1528a-2005, CENELEC 50361 and IEC 62209. It enables the dosimetric evaluation of wireless portable device usage as well as body mounted usage at the flat phantom region. A cover prevents evaporation of the liquid. Reference markings on the phantom allow the complete setup of all predefined phantom positions and measurement grids by manually teaching three points with the robot.

Shell Thickness	$2 \pm 0.2$ mm
Filling Volume	Approx. 30 liters
Dimensions	190×600×400 mm (H×L×W)
Table 2. Specification of ELI 4.0	

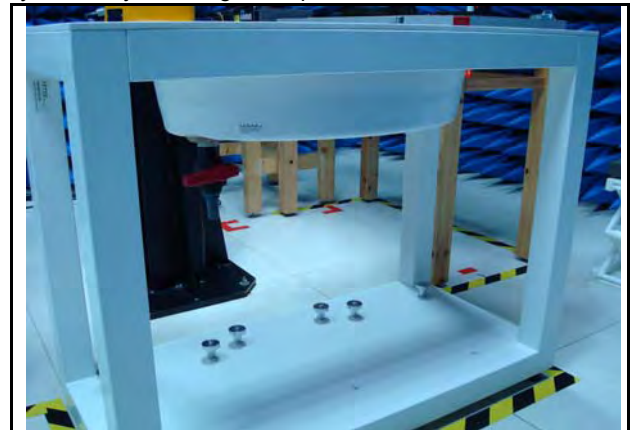


Figure 7. Oval Flat Phantom

## 4.8 Data Storage and Evaluation

### 4.8.1 Data Storage

The DASY software stores the assessed data from the data acquisition electronics as raw data (in microvolt readings from the probe sensors), together with all the necessary software parameters for the data evaluation (probe calibration data, liquid parameters and device frequency and modulation data) in measurement files with the extension DA4 or DA5. The post processing software evaluates the desired unit and format for output each time the data is visualized or exported. This allows verification of the complete software setup even after the measurement and allows correction of erroneous parameter settings. For example, if a measurement has been performed with an incorrect crest factor parameter in the device setup, the parameter can be corrected afterwards and the data can be reevaluated.

#### 4.8.2 Data Evaluation

The DASY 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         $Norm_i, ai0, ai1, ai2$   
                              - Conversion factor     $ConvFi$   
                              - Diode compression point    $dcp_i$   
Device parameters :   - Frequency         $f$   
                              - Crest factor        $cf$   
Media parameters :    - Conductivity        $\sigma$   
                              - Density         $\rho$

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      $V_i$      = compensated signal of channel i (i = x, y, z)  
            $U_i$      = 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 :

$$E\text{-field probes :} \quad E_i = \sqrt{\frac{V_i}{Norm_i \cdot ConvF}}$$

$$H_i = \sqrt{V_i} \cdot \frac{a_{i0} + a_{i1}f + a_{i2}f^2}{f}$$

*H-field probes :*

with  $V_i$  = compensated signal of channel i (i = x, y, z)  
*Normi* = sensor sensitivity of channel i (i = x, y, z)  
 $\mu V/(V/m)^2$  for *E-field Probes*  
*ConvF* = sensitivity enhancement in solution  
 $a_{ij}$  = sensor sensitivity factors for H-field probes  
 $f$  = carrier frequency [GHz]  
 $E_i$  = electric field strength of channel i in V/m  
 $H_i$  = magnetic field strength of channel i in A/m

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.

$$SAR = E_{tot}^2 \cdot \frac{\sigma}{\rho \cdot 1000}$$

with  $SAR$  = local specific absorption rate in mW/g  
 $E_{tot}$  = total field strength in V/m  
 $\sigma$  = conductivity in [mho/m] or [Siemens/m]  
 $\rho$  = equivalent tissue density in g/cm<sup>3</sup>

\* Note : That the density is set to 1, to account for actual head tissue density rather than the density of the tissue simulating liquid.

The power flow density is calculated assuming the excitation field to be a free space field.

$$P_{pwe} = \frac{E_{tot}^2}{3770} \quad \text{or} \quad P_{pwe} = \frac{H_{tot}^2}{37.7}$$

with  $P_{pwe}$  = equivalent power density of a plane wave in mW/cm<sup>2</sup>  
 $E_{tot}$  = total electric field strength in V/m  
 $H_{tot}$  = total magnetic field strength in A/m



## 5. Tissue Simulating Liquids

The mixture is calibrated to obtain proper dielectric constant (permittivity) and conductivity of the tissue.

The dielectric parameters of the liquids were verified prior to the SAR evaluation using an 85070C Dielectric Probe Kit and an E5071B Network Analyzer.

### IEEE SCC-34/SC-2 in 1528 recommended Tissue Dielectric Parameters

The head tissue dielectric parameters recommended by the IEEE SCC-34/SC-2 in 1528 have been incorporated in the following table. These head parameters are derived from planar layer models simulating the highest expected SAR for the dielectric properties and tissue thickness variations in human head. Other head and body tissue parameters that have not been specified in 1528 are derived from the tissue dielectric parameters computed from the 4-Cole-Cole equation and extrapolated according to the head parameter specified in 1528.

Target Frequency	Head		Body	
(MHz)	$\epsilon_r$	$\sigma$ (S/m)	$\epsilon_r$	$\sigma$ (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
( $\epsilon_r$ = relative permittivity, $\sigma$ = conductivity and $\rho$ = 1000 kg/m <sup>3</sup> )				

Table 3. Tissue dielectric parameters for head and body phantoms

## 5.1 Ingredients

The following ingredients are used:

- Water: deionized water (pure H<sub>2</sub>O), resistivity  $\geq 16 \text{ M } \Omega$  -as basis for the liquid
- Sugar: refied white sugar (typically 99.7 % sucrose, available as crystal sugar in food shops)  
-to reduce relative permittivity
- Salt: pure NaCl -to increase conductivity
- Cellulose: Hydroxyethyl-cellulose, medium viscosity (75-125 mPa.s, 2% in water, 20 °C), CAS # 54290 -to increase viscosity and to keep sugar in solution.
- Preservative: Preventol D-7 Bayer AG, D-51368 Leverkusen, CAS # 55965-84-9 -to prevent the spread of bacteria and molds
- DGBE: Diethylenglycol-monobuthyl ether (DGBE), Fluka Chemie GmbH, CAS # 112-34-5 -to reduce relative permittivity

## 5.2 Recipes

The following tables give the recipes for tissue simulating liquids to be used in different frequency bands.

Note: The goal dielectric parameters (at 22 °C) must be achieved within a tolerance of  $\pm 5\%$  for  $\epsilon$  and  $\pm 5\%$  for  $\sigma$ .

Ingredients (% by weight)	Frequency (MHz)											
	750		835		1750		1900		2450		2600	
Tissue Type	Head	Body	Head	Body	Head	Body	Head	Body	Head	Body	Head	Body
Water	39.28	51.30	41.45	52.40	54.50	40.20	54.90	40.40	62.70	73.20	60.30	71.40
Salt (NaCl)	1.47	1.42	1.45	1.50	0.17	0.49	0.18	0.50	0.50	0.10	0.60	0.20
Sugar	58.15	46.18	56.00	45.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HEC	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bactericide	0.10	0.10	0.10	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Triton X-100	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DGBE	0.00	0.00	0.00	0.00	45.33	59.31	44.92	59.10	36.80	26.70	39.10	28.40
Dielectric Constant	41.88	54.60	42.54	56.10	40.10	53.60	39.90	54.00	39.80	52.50	39.80	52.50
Conductivity (S/m)	0.90	0.97	0.91	0.95	1.39	1.49	1.42	1.45	1.88	1.78	1.88	1.78

Salt: 99% Pure Sodium Chloride

Sugar: 98% Pure Sucrose

Water: De-ionized,  $16 \text{ M } \Omega$  resistivity

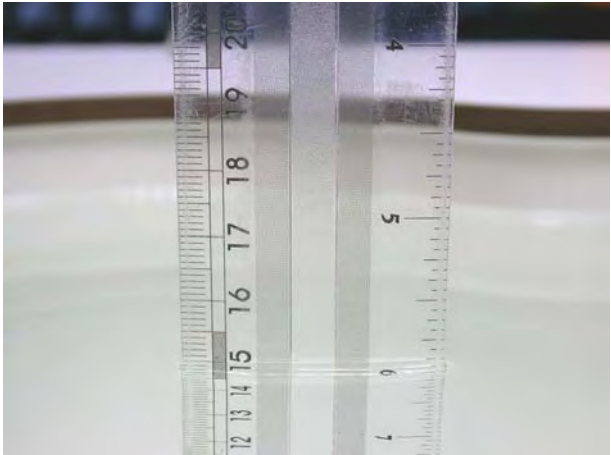

HEC: Hydroxyethyl Cellulose

DGBE: 99% Di(ethylene glycol) butyl ether, [2-(2-butoxyethoxy)ethanol]

Triton X-100 (ultra pure): Polyethylene glycol mono [4-(1,1, 3, 3-tetramethylbutyl)phenyl]ether

5.3 Liquid Depth

According to KDB865664 ,the depth of tissue-equivalent liquid in a phantom must be  $\geq 15.0$  cm with  $\leq \pm 0.5$  cm variation for SAR measurements  $\leq 3$  GHz and  $\geq 10.0$  cm with  $\leq \pm 0.5$  cm variation for measurements  $> 3$  GHz.

	
Figure 8. Head-Position	Figure 9. Body-Position

## 6. SAR Testing with RF Transmitters

### 6.1 SAR Testing with GSM/GPRS/EGPRS Transmitters

Configure the basestation to support GMSK and 8PSK call respectively, and set timeslot transmission for GMSK GSM/GPRS and 8PSK EDGE. Measure and record power outputs for both modulations, that test is applicable.

### 6.2 SAR Testing with WCDMA Transmitters

Configure the basestation to support all WCDMA tests in respect to the 3GPP 34.121. Measure the power at Ch4132, 4183 and 4233 for US cell; Ch9262, 9400 and 9538 for US PCS Band.

- Step 1: set a Test Mode 1 loop back with a 12.2kbps Reference Measurement Channel (RMC).
- Step 2: set and send continuously up power control commands to the device.
- Step 3: measure the power at the device antenna connector using the power meter with average detector and test SAR

### 6.3 SAR Testing with HSDPA Transmitters

#### HSDPA Data Devices setup for SAR Measurement

HSDPA should be configured according to the UE category of a test device. The number of HS-DSCH/HS-PDSCHs, HARQ processes, minimum inter-TTI interval, transport block sizes and RV coding sequence are defined by the H-set. To maintain a consistent test configuration and stable transmission conditions, QPSK is used in the H-set for SAR testing. HS-DPCCH should be configured with a CQI feedback cycle of 4 ms with a CQI repetition factor of 2 to maintain a constant rate of active CQI slots. DPCCH and DPDCH gain factors ( $\beta_c$ ,  $\beta_d$ ), and HS-DPCCH power offset parameters ( $\Delta_{ACK}$ ,  $\Delta_{NACK}$ ,  $\Delta_{CQI}$ ) should be set according to values indicated in the Table below. The CQI value is determined by the UE category, transport block size, number of HS-PDSCHs and modulation used in the H-set.

Setup for Release 5 HSDPA							
Sub-test	$\beta_c$	$\beta_d$	$\beta_d$ (SF)	$\beta_c/\beta_d$	$\beta_{hs}^{(1,2)}$	$CM^{(3)}$ (dB)	$MRP^{(3)}$ (dB)
1	2/15	15/15	64	2/15	4/15	0.0	0.0
2	12/15(4)	15/15(4)	64	12/15(4)	24/15	1.0	0.0
3	15/15	8/15	64	15/8	30/15	1.5	0.5
4	15/15	4/15	64	15/4	30/15	1.5	0.5
<b>Note</b> <ol style="list-style-type: none"> <li><math>\Delta_{ACK}</math>, <math>\Delta_{NACK}</math> and <math>\Delta_{CQI} = 8 \Leftrightarrow A_{hs} = \beta_{hs}/\beta_c = 30/15 \Leftrightarrow \beta_{hs} = 30/15 * \beta_c</math></li> <li>For the HS-DPCCH power mask requirement test in clause 5.2C, 5.7A, and the Error Vector Magnitude (EVM) with HS-DPCCH test in clause 5.13.1A and HSDPA EVM with phase discontinuity in clause 5.13.1AA, <math>\Delta_{ACK}</math> and <math>\Delta_{NACK} = 30/15</math> with <math>\beta_{hs} = 30/15 * \beta_c</math> and <math>\Delta_{CQI} = 24/15</math> with <math>\beta_{hs} = 24/15 * \beta_c</math></li> <li><math>CM = 1</math> for <math>\beta_c/\beta_d = 12/15</math>, <math>\beta_{hs}/\beta_c = 24/15</math>. For all other combinations of DPDCH, DPCCH and HS-DPCCH the MPR is based on the relative CM difference. This is applicable for only UEs that support HSDPA in release 6 and later releases.</li> <li>For subtest 2 the <math>\beta_c/\beta_d</math> ratio of 12/15 for the TFC during the measurement period (TF1, TF0) is achieved by setting the signaled gain factors for the reference TFC (TF1, TF1) to <math>\beta_c = 11/15</math> and <math>\beta_d = 15/15</math>.</li> </ol>							

**HSPA Data Devices setup for SAR Measurement.**

The following procedures are applicable to HSPA (HSUPA/HSDPA) data devices operating under 3GPP Release 6. Body exposure conditions generally apply to these devices, including handsets and data modems operating in various electronic devices. HSUPA operates in conjunction with WCDMA and HSDPA. SAR is initially measured in WCDMA test configurations without HSPA. The default test configuration is to establish a radio link between the DUT and a communication test set to configure a 12.2 kbps RMC (reference measurement channel) in Test Loop Mode 1. SAR for HSPA is selectively measured with HS-DPCCH, EDPCCH and E-DPDCH, all enabled, along with a 12.2 kbps RMC using the highest SAR configuration in WCDMA with 12.2 kbps RMC only. An FRC is configured according to HSDPCCH Sub-test 1 using H-set 1 and QPSK. HSPA is configured according to E-DCH Subtest 5 requirements. SAR for other HSPA sub-test configurations is also confirmed selectively according to output power, exposure conditions and E-DCH UE Category. Maximum output power is verified according to procedures in applicable versions of 3GPP TS 34.121 and SAR must be measured according to these maximum output conditions. The UE Categories for HSDPCCH and HSPA should be clearly identified in the SAR report. The following procedures are applicable only if Maximum Power Reduction (MPR) is implemented according to Cubic Metric (CM) requirements.

When voice transmission and head exposure conditions are applicable to a WCDMA/HSPA data device, head exposure is measured according to the 'Head SAR Measurements' procedures in the 'WCDMA Handsets' section of this document. SAR for body exposure configurations are measured according to the 'Body SAR Measurements' procedures in the 'WCDMA Handsets' section of this document. In addition, body SAR is also measured for HSPA when the maximum average output of each RF channel with HSPA active is at least ¼ dB higher than that measured without HSPA using 12.2 kbps RMC or the maximum SAR for 12.2 kbps RMC is above 75% of the SAR limit. Body SAR for HSPA is measured with E-DCH Sub-test 5, using H-Set 1 and QPSK for FRC and a 12.2 kbps RMC configured in Test Loop Mode 1 with power control algorithm 2, according to the highest body SAR configuration in 12.2 kbps RMC without HSPA. When VOIP is applicable for head exposure, SAR is not required when the maximum output of each RF channel with HSPA is less than ¼ dB higher than that measured using 12.2 kbps RMC; otherwise, the same HSPA configuration used for body measurements should be used to test for head exposure.

Due to inner loop power control requirements in HSPA, a commercial communication test set should be used for the output power and SAR tests. The 12.2 kbps RMC, FRC H-set 1 and E-DCH configurations for HSPA should be configured according to the  $\beta$  values indicated below as well as other applicable procedures described in the 'WCDMA Handset' and 'Release 5 HSDPA Data Devices' sections of this document.

The highest body SAR measured in Antenna Extended & Retracted configurations on a channel in 12.2 kbps RMC. The possible channels are the High, Middle & Low channel. Contact the FCC Laboratory for test and approval requirements if the maximum output power measured in E-DCH Sub-test 2 - 4 is higher than Sub-test 5.

Setup for Release 6 HSPA / Release 7 HSPA+													
Sub-test	$\beta_c$	$\beta_d$	$\beta_d$ (SF)	$\beta_c/\beta_d$	$\beta_{hs}^{(1)}$	$\beta_{ec}$	$\beta_{ed}$	Bed (SF)	Bed (codes)	CM <sup>(2)</sup> (dB)	MPR (dB)	AG <sup>(4)</sup> Index	E-TFCI
1	11/15 <sup>(3)</sup>	15/15 <sup>(3)</sup>	64	11/15 <sup>(3)</sup>	22/15	209/225	1039/225	4	1	1.0	0.0	20	75
2	6/15	15/15	64	6/15	12/15	12/15	94/75	4	1	3.0	2.0	12	67
3	15/15	9/15	64	15/9	30/15	30/15	$\beta_{ed1}$ : 47/15 $\beta_{ed2}$ : 47/15	4	2	2.0	1.0	15	92
4	2/15	15/15	64	2/15	4/15	2/15	56/75	4	1	3.0	2.0	17	71
5	15/15 <sup>(4)</sup>	15/15 <sup>(4)</sup>	64	15/15 <sup>(4)</sup>	30/15	24/15	134/15	4	1	1.0	0.0	21	81
<b>Note</b> <ol style="list-style-type: none"> <li>1. <math>\Delta_{ACK}</math>, <math>\Delta_{NACK}</math> and <math>\Delta_{CQI} = 8 \Leftrightarrow A_{hs} = \beta_{hs}/\beta_c = 30/15 \Leftrightarrow \beta_{hs} = 30/15 * \beta_c</math>.</li> <li>2. CM = 1 for <math>\beta_c/\beta_d = 12/15</math>, <math>\beta_{hs}/\beta_c = 24/15</math>. For all other combinations of DPDCH, DPCCH, HS-DPCCH, E-DPDCH and E-DPCCH the MPR is based on the relative CM difference.</li> <li>3. For subtest 1 the <math>\beta_c/\beta_d</math> ratio of 11/15 for the TFC during the measurement period (TF1, TF0) is achieved by setting the signaled gain factors for the reference TFC (TF1, TF1) to <math>\beta_c = 10/15</math> and <math>\beta_d = 15/15</math>.</li> <li>4. For subtest 5 the <math>\beta_c/\beta_d</math> ratio of 15/15 for the TFC during the measurement period (TF1, TF0) is achieved by setting the signaled gain factors for the reference TFC (TF1, TF1) to <math>\beta_c = 14/15</math> and <math>\beta_d = 15/15</math>.</li> <li>5. Testing UE using E-DPDCH Physical Layer category 1 Sub-test 3 is not required according to TS 25.306 Table 5.1g.</li> <li>6. <math>\beta_{ed}</math> can not be set directly; it is set by Absolute Grant Value.</li> </ol>													

## 6.4 SAR Testing with LTE-FDD Transmitters

All SAR measurements for LTE were performed using the Anritsu MT8820C. A closed loop power control setting allowed the UE to transmit at the maximum output power during the SAR measurements. Configure the basestation to support LTE tests in respect to the 3GPP 36.521-1, and set ch , RB allocation number , RB allocation offset , and send continuously Up power control commands to the device.

MPR was enabled for this device. A-MPR was disabled for all SAR test measurements.

## 6.5 LTE Frequency range and channel bandwidth

Channel bandwidth support:

Band	BW (MHz)					
	1.4	3	5	10	15	20
LTE Band 2	V	V	V	V	V	V
LTE Band 4	V	V	V	V	V	V
LTE Band 5	V	V	V	V		

LTE Band	Bandwidth (MHz)	Test frequency ID	N <sub>UL</sub>	Frequency of Uplink (MHz)
LTE Band 2	1.4	Low Range	18607	1850.7
		Mid Range	18900	1880.0
		High Range	19193	1909.3
	3	Low Range	18615	1851.5
		Mid Range	18900	1880.0
		High Range	19185	1908.5
	5	Low Range	18625	1852.5
		Mid Range	18900	1880.0
		High Range	19175	1907.5
	10	Low Range	18650	1855.0
		Mid Range	18900	1880.0
		High Range	19150	1905.0
	15	Low Range	18675	1857.5
		Mid Range	18900	1880.0
		High Range	19125	1902.5
	20	Low Range	18700	1860.0
		Mid Range	18900	1880.0
		High Range	19100	1900.0

LTE Band	Bandwidth (MHz)	Test frequency ID	N <sub>UL</sub>	Frequency of Uplink (MHz)
LTE Band 4	1.4	Low Range	19957	1710.7
		Mid Range	20175	1732.5
		High Range	20393	1754.3
	3	Low Range	19965	1711.5
		Mid Range	20175	1732.5
		High Range	20385	1753.5
	5	Low Range	19975	1712.5
		Mid Range	20175	1732.5
		High Range	20375	1752.5
	10	Low Range	20000	1715.0
		Mid Range	20175	1732.5
		High Range	20350	1750.0
	15	Low Range	20025	1717.5
		Mid Range	20175	1732.5
		High Range	20325	1747.5
	20	Low Range	20050	1720.0
		Mid Range	20175	1732.5
		High Range	20300	1745.0
LTE Band 5	1.4	Low Range	20407	824.7
		Mid Range	20525	836.5
		High Range	20643	848.3
	3	Low Range	20415	825.5
		Mid Range	20525	836.5
		High Range	20635	847.5
	5	Low Range	20425	826.5
		Mid Range	20525	836.5
		High Range	20625	846.5
	10	Low Range	20450	829.0
		Mid Range	20525	836.5
		High Range	20600	844.0



### 6.5.1 Maximum power reduction (MPR)

Identify the LTE voice/data requirements in each operating mode and exposure condition with respect to head and body test configurations, antenna locations, handset flip-cover or slide positions, antenna diversity conditions etc.

The voice and data transmission:

- ◆ Data only device.

Identify if Maximum Power Reduction (MPR) is optional or mandatory, i.e. built-in by design:

- ◆ Maximum Power Reduction (MPR) is mandatory, i.e. built-in by design.
- ◆ A-MPR (additional MPR) must be disabled
- ◆ A-MPR was disabled during testing.

Maximum Power Reduction (MPR) for Power Class 3							
Channel bandwidth / Transmission bandwidth configuration (RB)							
Modulation	1.4 MHz	3 MHz	5 MHz	10 MHz	15 MHz	20MHz	MPR (dB)
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

## 6.6 Power reduction

No power reduction issue.

## **6.7 SAR Testing with 802.11 Transmitters**

Normal network operating configurations are not suitable for measuring the SAR of 802.11 b/g transmitters. Unpredictable fluctuations in network traffic and antenna diversity conditions can introduce undesirable variations in SAR results. The SAR for these devices should be measured using chipset based test mode software to ensure the results are consistent and reliable.

## **6.8 General Device Setup**

Chipset based test mode software is hardware dependent and generally varies among manufacturers. The device operating parameters established in test mode for SAR measurements must be identical to those programmed in production units, including output power levels, amplifier gain settings and other RF performance tuning parameters. The test frequencies should correspond to actual channel frequencies defined for domestic use. SAR for devices with switched diversity should be measured with only one antenna transmitting at a time during each SAR measurement, according to a fixed modulation and data rate. The same data pattern should be used for all measurements.

### **Frequency Channel Configurations**

802.11 a/b/g and 4.9 GHz operating modes are tested independently according to the service requirements in each frequency band. 802.11 b/g modes are tested on channels 1, 6 and 11. 802.11a is tested for UNII operations on channels 36 and 48 in the 5.15-5.25 GHz band; channels 52 and 64 in the 5.25-5.35 GHz band; channels 104, 116, 124 and 136 in the 5.470-5.725 GHz band; and channels 149 and 161 in the 5.8 GHz band. When 5.8 GHz §15.247 is also available, channels 149, 157 and 165 should be tested instead of the UNII channels. 4.9 GHz is tested on channels 1, 10 and 5 or 6, whichever has the higher output power, for 5 MHz channels; channels 11, 15 and 19 for 10 MHz channels; and channels 21 and 25 for 20 MHz channels. These are referred to as the “default test channels”. 802.11g mode was evaluated only if the output power was 0.25 dB higher than the 802.11b mode.

IEEE 802.11 Test Channels per FCC Requirement							
Mode		GHz	Channel	Turbo Channel	Default Test "Channels"		
					§15.247		UNII
					802.11b	802.11g	
IEEE 802.11 b/g		2412	1 <sup>#</sup>		✓	▽	
		2437	6	6	✓	▽	
		2462	11 <sup>#</sup>		✓	▽	
IEEE 802.11a	UNII	5.18	36				✓
		5.20	40	42 (5.21 GHz)			*
		5.22	44				*
		5.24	48	50 (5.25 GHz)			✓
		5.26	52				✓
		5.28	56	58 (5.29 GHz)			*
		5.30	60				*
		5.32	64				✓
		5.500	100	Unknown			*
		5.520	104				✓
		5.540	108				*
		5.560	112				*
		5.580	116				✓
		5.660	132				*
		5.680	136				✓
		5.700	140				*
	UNII or §15.247	5.745	149		✓		✓
		5.765	153	152 (5.76 GHz)		*	*
		5.785	157		✓		*
		5.805	161	160 (5.80 GHz)		*	✓
	§15.247	5.825	165		✓		

✓ = "default test channels"

\* = possible 802.11a channels with maximum average output > the "default test channels"

▽ = possible 802.11g channels with maximum average output ¼ dB ≥ the "default test channels"

# = when output power is reduced for channel 1 and/or 11 to meet restricted band requirements the

## 6.9 Conducted Power

Band	Modulation	Data Rate	CH	Frequency (MHz)	Average Power (dBm) SIM1	
					Time Average	Burst Average
GSM 850	GMSK	---	Lowest	824.2	24.02	33.05
			Middle	836.6	23.98	33.01
			Highest	848.8	24.19	33.22
GPRS 850 Multi Class :12 Max Up:4 Max Down:4 Sum:5		4Down1Up Duty factor 1/8	Lowest	824.2	23.95	32.98
			Middle	836.6	23.89	32.92
			Highest	848.8	24.12	33.15
		3Down2Up Duty factor 2/8	Lowest	824.2	24.74	30.76
			Middle	836.6	24.93	30.95
			Highest	848.8	24.82	30.84
		2Down3Up Duty factor 3/8	Lowest	824.2	24.67	28.93
			Middle	836.6	24.66	28.92
			Highest	848.8	24.53	28.79
		1Down4Up Duty factor 4/8	Lowest	824.2	24.53	27.54
			Middle	836.6	24.50	27.51
			Highest	848.8	24.47	27.48
EGPRS 850 Multi Class :12 Max Up:4 Max Down:4 Sum:5	8PSK	4Down1Up Duty factor 1/8	Lowest	824.2	18.32	27.35
			Middle	836.6	18.30	27.33
			Highest	848.8	18.21	27.24
		3Down2Up Duty factor 2/8	Lowest	824.2	18.96	24.98
			Middle	836.6	18.95	24.97
			Highest	848.8	18.81	24.83
		2Down3Up Duty factor 3/8	Lowest	824.2	20.35	24.61
			Middle	836.6	20.34	24.60
			Highest	848.8	20.32	24.58
		1Down4Up Duty factor 4/8	Lowest	824.2	21.54	24.55
			Middle	836.6	21.52	24.53
			Highest	848.8	21.42	24.43
DTM 850 (GSM+GPRS) Multi Class :11 Max Up:3 Down:4 Sum:5	GMSK	2Down3Up Duty factor 3/8	Lowest	824.2	24.48	28.74
			Middle	836.6	24.45	28.71
			Highest	848.8	24.30	28.56
DTM 850 (GSM+EGPRS) Multi Class :11 Max Up:3 Down:4 Sum:5	GMSK/8PSK	2Down3Up Duty factor 3/8	Lowest	824.2	20.32	24.58
			Middle	836.6	20.29	24.55
			Highest	848.8	20.25	24.51

Note: 1. Time Average power slot duty cycle factor calculate:

1up: Average burst power+10\*LOG(1/8)

2up: Average burst power+10\*LOG(2/8)

3up: Average burst power+10\*LOG(3/8)

4up: Average burst power+10\*LOG(4/8)

Band	Modulation	Data Rate	CH	Frequency (MHz)	Average Power (dBm) SIM2	
					Time Average	Burst Average
GSM 850	GMSK	---	Lowest	824.2	23.87	32.90
			Middle	836.6	23.83	32.86
			Highest	848.8	24.04	33.07
GPRS 850 Multi Class :12 Max Up:4 Max Down:4 Sum:5		4Down1Up Duty factor 1/8	Lowest	824.2	23.77	32.80
			Middle	836.6	23.71	32.74
			Highest	848.8	23.94	32.97
		3Down2Up Duty factor 2/8	Lowest	824.2	24.56	30.58
			Middle	836.6	24.75	30.77
			Highest	848.8	24.64	30.66
		2Down3Up Duty factor 3/8	Lowest	824.2	24.49	28.75
			Middle	836.6	24.48	28.74
			Highest	848.8	24.35	28.61
		1Down4Up Duty factor 4/8	Lowest	824.2	24.35	27.36
			Middle	836.6	24.32	27.33
			Highest	848.8	24.29	27.30
EGPRS 850 Multi Class :12 Max Up:4 Max Down:4 Sum:5	8PSK	4Down1Up Duty factor 1/8	Lowest	824.2	18.14	27.17
			Middle	836.6	18.12	27.15
			Highest	848.8	18.03	27.06
		3Down2Up Duty factor 2/8	Lowest	824.2	18.78	24.80
			Middle	836.6	18.77	24.79
			Highest	848.8	18.63	24.65
		2Down3Up Duty factor 3/8	Lowest	824.2	20.17	24.43
			Middle	836.6	20.16	24.42
			Highest	848.8	20.14	24.40
		1Down4Up Duty factor 4/8	Lowest	824.2	21.36	24.37
			Middle	836.6	21.34	24.35
			Highest	848.8	21.24	24.25
DTM 850 (GSM+GPRS) Multi Class :11 Max Up:3 Down:4 Sum:5	GMSK	2Down3Up Duty factor 3/8	Lowest	824.2	24.30	28.56
			Middle	836.6	24.27	28.53
			Highest	848.8	24.12	28.38
DTM 850 (GSM+EGPRS) Multi Class :11 Max Up:3 Down:4 Sum:5	GMSK/8PSK	2Down3Up Duty factor 3/8	Lowest	824.2	20.14	24.40
			Middle	836.6	20.11	24.37
			Highest	848.8	20.07	24.33

Note: 1. Time Average power slot duty cycle factor calculate:

1up: Average burst power+10\*LOG(1/8)

2up: Average burst power+10\*LOG(2/8)

3up: Average burst power+10\*LOG(3/8)

4up: Average burst power+10\*LOG(4/8)

Band	Modulation	Data Rate	CH	Frequency (MHz)	Average Power (dBm) SIM1	
					Time Average	Burst Average
GSM 1900	GMSK	---	Lowest	1850.2	21.88	30.91
			Middle	1880.0	21.79	30.82
			Highest	1909.8	21.92	30.95
GPRS 1900 Multi Class :12 Max Up:4 Max Down:4 Sum:5		4Down1Up Duty factor 1/8	Lowest	1850.2	21.84	30.87
			Middle	1880.0	21.66	30.69
			Highest	1909.8	21.78	30.81
		3Down2Up Duty factor 2/8	Lowest	1850.2	22.16	28.18
			Middle	1880.0	22.13	28.15
			Highest	1909.8	22.18	28.20
		2Down3Up Duty factor 3/8	Lowest	1850.2	22.62	26.88
			Middle	1880.0	22.65	26.91
			Highest	1909.8	22.67	26.93
		1Down4Up Duty factor 4/8	Lowest	1850.2	22.39	25.40
			Middle	1880.0	22.33	25.34
			Highest	1909.8	22.38	25.39
EGPRS 1900 Multi Class :12 Max Up:4 Max Down:4 Sum:5	8PSK	4Down1Up Duty factor 1/8	Lowest	1850.2	17.85	26.88
			Middle	1880.0	17.72	26.75
			Highest	1909.8	17.66	26.69
		3Down2Up Duty factor 2/8	Lowest	1850.2	18.26	24.28
			Middle	1880.0	18.20	24.22
			Highest	1909.8	18.16	24.18
		2Down3Up Duty factor 3/8	Lowest	1850.2	19.91	24.17
			Middle	1880.0	19.86	24.12
			Highest	1909.8	19.80	24.06
		1Down4Up Duty factor 4/8	Lowest	1850.2	20.97	23.98
			Middle	1880.0	20.91	23.92
			Highest	1909.8	20.86	23.87
DTM 1900 (GSM+GPRS) Multi Class :11 Max Up:3 Down:4 Sum:5	GMSK	2Down3Up Duty factor 3/8	Lowest	1850.2	22.45	26.71
			Middle	1880.0	22.48	26.74
			Highest	1909.8	22.51	26.77
DTM 1900 (GSM+EGPRS) Multi Class :11 Max Up:3 Down:4 Sum:5	GMSK/8PSK	2Down3Up Duty factor 3/8	Lowest	1850.2	19.78	24.04
			Middle	1880.0	19.73	23.99
			Highest	1909.8	19.67	23.93

Note: 1. Time Average power slot duty cycle factor calculate:

1up: Average burst power+10\*LOG(1/8)

2up: Average burst power+10\*LOG(2/8)

3up: Average burst power+10\*LOG(3/8)

4up: Average burst power+10\*LOG(4/8)

Band	Modulation	Data Rate	CH	Frequency (MHz)	Average Power (dBm) SIM2	
					Time Average	Burst Average
GSM 1900	GMSK	---	Lowest	1850.2	21.73	30.76
			Middle	1880.0	21.64	30.67
			Highest	1909.8	21.77	30.80
GPRS 1900 Multi Class :12 Max Up:4 Max Down:4 Sum:5		4Down1Up Duty factor 1/8	Lowest	1850.2	21.65	30.68
			Middle	1880.0	21.47	30.50
			Highest	1909.8	21.59	30.62
		3Down2Up Duty factor 2/8	Lowest	1850.2	21.97	27.99
			Middle	1880.0	21.94	27.96
			Highest	1909.8	21.99	28.01
		2Down3Up Duty factor 3/8	Lowest	1850.2	22.43	26.69
			Middle	1880.0	22.46	26.72
			Highest	1909.8	22.48	26.74
		1Down4Up Duty factor 4/8	Lowest	1850.2	22.20	25.21
			Middle	1880.0	22.14	25.15
			Highest	1909.8	22.19	25.20
EGPRS 1900 Multi Class :12 Max Up:4 Max Down:4 Sum:5	8PSK	4Down1Up Duty factor 1/8	Lowest	1850.2	17.68	26.71
			Middle	1880.0	17.55	26.58
			Highest	1909.8	17.49	26.52
		3Down2Up Duty factor 2/8	Lowest	1850.2	18.09	24.11
			Middle	1880.0	18.03	24.05
			Highest	1909.8	17.99	24.01
		2Down3Up Duty factor 3/8	Lowest	1850.2	19.74	24.00
			Middle	1880.0	19.69	23.95
			Highest	1909.8	19.63	23.89
		1Down4Up Duty factor 4/8	Lowest	1850.2	20.80	23.81
			Middle	1880.0	20.74	23.75
			Highest	1909.8	20.69	23.70
DTM 1900 (GSM+GPRS) Multi Class :11 Max Up:3 Down:4 Sum:5	GMSK	2Down3Up Duty factor 3/8	Lowest	1850.2	22.28	26.54
			Middle	1880.0	22.31	26.57
			Highest	1909.8	22.34	26.60
DTM 1900 (GSM+EGPRS) Multi Class :11 Max Up:3 Down:4 Sum:5	GMSK/8PSK	2Down3Up Duty factor 3/8	Lowest	1850.2	19.61	23.87
			Middle	1880.0	19.56	23.82
			Highest	1909.8	19.50	23.76

Note: 1. Time Average power slot duty cycle factor calculate:

1up: Average burst power+10\*LOG(1/8)

2up: Average burst power+10\*LOG(2/8)

3up: Average burst power+10\*LOG(3/8)

4up: Average burst power+10\*LOG(4/8)

Band	Modulation	Sub-test	CH	Frequency (MHz)	Burst Average Power (dBm)
WCDMA Band II	RMC12.2K	---	Lowest	1852.4	<b>23.77</b>
			Middle	1880.0	23.55
			Highest	1907.6	23.49
HSDPA Band II	QPSK	1	Lowest	1852.4	22.72
			Middle	1880.0	22.55
			Highest	1907.6	22.49
		2	Lowest	1852.4	22.70
			Middle	1880.0	22.51
			Highest	1907.6	22.46
		3	Lowest	1852.4	22.25
			Middle	1880.0	22.09
			Highest	1907.6	22.01
		4	Lowest	1852.4	22.20
			Middle	1880.0	22.04
			Highest	1907.6	21.99
HSUPA Band II	QPSK	1	Lowest	1852.4	21.97
			Middle	1880.0	21.84
			Highest	1907.6	21.77
		2	Lowest	1852.4	20.01
			Middle	1880.0	19.86
			Highest	1907.6	19.78
		3	Lowest	1852.4	20.98
			Middle	1880.0	20.82
			Highest	1907.6	20.76
		4	Lowest	1852.4	19.96
			Middle	1880.0	19.80
			Highest	1907.6	19.75
		5	Lowest	1852.4	21.95
			Middle	1880.0	21.80
			Highest	1907.6	21.74
HSPA+ Band II	16QAM	1	Lowest	1852.4	21.74
			Middle	1880.0	21.57
			Highest	1907.6	21.49
		2	Lowest	1852.4	19.78
			Middle	1880.0	19.58
			Highest	1907.6	19.51
		3	Lowest	1852.4	20.74
			Middle	1880.0	20.58
			Highest	1907.6	20.52
		4	Lowest	1852.4	19.74
			Middle	1880.0	19.54
			Highest	1907.6	19.47
		5	Lowest	1852.4	21.70
			Middle	1880.0	21.55
			Highest	1907.6	21.46



Band	Modulation	Sub-test	CH	Frequency (MHz)	Burst Average Power (dBm)
WCDMA Band V	RMC12.2K	---	Lowest	826.4	23.54
			Middle	836.6	<b>23.58</b>
			Highest	846.6	23.49
HSDPA Band V	QPSK	1	Lowest	826.4	22.52
			Middle	836.6	22.58
			Highest	846.6	22.42
		2	Lowest	826.4	22.47
			Middle	836.6	22.55
			Highest	846.6	22.38
		3	Lowest	826.4	22.05
			Middle	836.6	22.09
			Highest	846.6	21.94
		4	Lowest	826.4	22.00
			Middle	836.6	22.07
			Highest	846.6	21.89
HSUPA Band V	QPSK	1	Lowest	826.4	21.74
			Middle	836.6	21.81
			Highest	846.6	21.63
		2	Lowest	826.4	19.77
			Middle	836.6	19.83
			Highest	846.6	19.64
		3	Lowest	826.4	20.74
			Middle	836.6	20.79
			Highest	846.6	20.60
		4	Lowest	826.4	19.72
			Middle	836.6	19.80
			Highest	846.6	19.60
		5	Lowest	826.4	21.69
			Middle	836.6	21.77
			Highest	846.6	21.60
HSPA+ Band V	16QAM	1	Lowest	826.4	21.53
			Middle	836.6	21.57
			Highest	846.6	21.38
		2	Lowest	826.4	19.55
			Middle	836.6	19.58
			Highest	846.6	19.41
		3	Lowest	826.4	20.55
			Middle	836.6	20.58
			Highest	846.6	20.39
		4	Lowest	826.4	19.52
			Middle	836.6	19.55
			Highest	846.6	19.34
		5	Lowest	826.4	21.50
			Middle	836.6	21.55
			Highest	846.6	21.34

Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Burst Average Power (dBm)
					Size	Offset	
LTE Band 2	1.4 MHz	QPSK	18607	1850.7	1	0	23.29
					1	3	23.25
					1	5	23.26
					3	0	23.26
					3	2	23.26
					3	3	23.24
					6	0	22.32
			18900	1880.0	1	0	<b>23.32</b>
					1	3	23.27
					1	5	23.28
					3	0	23.26
					3	2	23.29
					3	3	23.27
					6	0	22.33
			19193	1909.3	1	0	23.27
					1	3	23.24
					1	5	23.21
					3	0	23.18
					3	2	23.14
					3	3	23.08
					6	0	22.21
		16QAM	18607	1850.7	1	0	22.28
					1	3	22.25
					1	5	22.23
					3	0	22.21
					3	2	22.18
					3	3	22.15
					6	0	22.13
			18900	1880.0	1	0	22.31
					1	3	22.28
					1	5	22.24
					3	0	22.18
					3	2	22.14
					3	3	22.08
					6	0	22.03
			19193	1909.3	1	0	22.25
					1	3	22.18
					1	5	22.14
					3	0	22.11
					3	2	22.08
					3	3	22.05
					6	0	22.01

Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Burst Average Power (dBm)
					Size	Offset	
LTE Band 2	3MHz	QPSK	18615	1851.5	1	0	23.25
					1	8	23.22
					1	14	23.21
					8	0	22.33
					8	4	22.25
					8	8	22.32
					15	0	22.29
			18900	1880.0	1	0	23.28
					1	8	23.24
					1	14	23.21
					8	0	22.30
					8	4	22.33
					8	8	22.29
					15	0	22.37
			19185	1908.5	1	0	23.21
					1	8	23.18
					1	14	23.16
					8	0	22.22
					8	4	22.15
					8	8	22.21
					15	0	22.20
		16QAM	18615	1851.5	1	0	22.23
					1	8	22.15
					1	14	22.08
					8	0	21.34
					8	4	21.33
					8	8	21.36
					15	0	21.29
			18900	1880.0	1	0	22.27
					1	8	22.24
					1	14	22.21
					8	0	21.33
					8	4	21.40
					8	8	21.36
					15	0	21.31
			19185	1908.5	1	0	22.17
					1	8	22.13
					1	14	22.14
					8	0	21.30
					8	4	21.24
					8	8	21.29
					15	0	21.26

Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Burst Average Power (dBm)
					Size	Offset	
LTE Band 2	5MHz	QPSK	18625	1852.5	1	0	23.25
					1	13	23.23
					1	24	23.19
					12	0	22.29
					12	6	22.27
					12	13	22.28
					25	0	22.29
			18900	1880.0	1	0	23.29
					1	13	23.24
					1	24	23.27
					12	0	22.28
					12	6	22.33
					12	13	22.31
					25	0	22.33
			19175	1907.5	1	0	23.22
					1	13	23.19
					1	24	23.18
					12	0	22.20
					12	6	22.17
					12	13	22.20
					25	0	22.23
		16QAM	18625	1852.5	1	0	22.24
					1	13	22.19
					1	24	22.18
					12	0	21.32
					12	6	21.32
					12	13	21.32
					25	0	21.32
			18900	1880.0	1	0	22.29
					1	13	22.23
					1	24	22.25
					12	0	21.36
					12	6	21.36
					12	13	21.37
					25	0	21.35
			19175	1907.5	1	0	22.17
					1	13	22.13
					1	24	22.11
					12	0	21.31
					12	6	21.28
					12	13	21.28
					25	0	21.26

Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Burst Average Power (dBm)
					Size	Offset	
LTE Band 2	10MHz	QPSK	18650	1855.0	1	0	23.23
					1	25	23.21
					1	49	23.14
					25	0	22.29
					25	13	22.27
					25	25	22.26
					50	0	22.47
			18900	1880.0	1	0	23.27
					1	25	23.24
					1	49	23.25
					25	0	22.30
					25	13	22.31
					25	25	22.34
					50	0	22.41
			19150	1905.0	1	0	23.22
					1	25	23.18
					1	49	23.16
					25	0	22.25
					25	13	22.20
					25	25	22.23
					50	0	22.29
		16QAM	18650	1855.0	1	0	22.23
					1	25	22.21
					1	49	22.15
					25	0	21.35
					25	13	21.34
					25	25	21.33
					50	0	21.35
			18900	1880.0	1	0	22.25
					1	25	22.21
					1	49	22.18
					25	0	21.32
					25	13	21.34
					25	25	21.37
					50	0	21.42
			19150	1905.0	1	0	22.19
					1	25	22.15
					1	49	22.11
					25	0	21.34
					25	13	21.33
					25	25	21.26
					50	0	21.32

Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Burst Average Power (dBm)
					Size	Offset	
LTE Band 2	15MHz	QPSK	18675	1857.5	1	0	23.32
					1	38	23.28
					1	74	23.16
					38	0	23.17
					38	18	23.22
					38	38	23.28
					75	0	22.47
			18900	1880	1	0	23.28
					1	38	23.24
					1	74	23.26
					38	0	22.34
					38	18	22.38
					38	38	22.39
					75	0	22.45
			19125	1902.5	1	0	23.30
					1	38	23.23
					1	74	23.24
					38	0	22.23
					38	18	22.30
					38	38	22.23
					75	0	22.34
		16QAM	18675	1857.5	1	0	22.32
					1	38	22.26
					1	74	22.21
					38	0	21.33
					38	18	21.31
					38	38	21.33
					75	0	21.40
			18900	1880	1	0	22.29
					1	38	22.26
					1	74	22.26
					38	0	21.33
					38	18	21.31
					38	38	21.40
					75	0	21.47
			19125	1902.5	1	0	22.30
					1	38	22.19
					1	74	22.23
					38	0	21.24
					38	18	21.33
					38	38	21.26
					75	0	21.37

Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Burst Average Power (dBm)
					Size	Offset	
LTE Band 2	20MHz	QPSK	18700	1860	1	0	23.27
					1	50	23.18
					1	99	23.16
					50	0	22.51
					50	25	22.47
					50	50	22.46
					100	0	22.48
			18900	1880	1	0	23.29
					1	50	23.24
					1	99	23.26
					50	0	22.52
					50	25	22.45
					50	50	22.49
					100	0	22.41
			19100	1900	1	0	23.26
					1	50	23.25
					1	99	23.24
					50	0	22.49
					50	25	22.30
					50	50	22.31
					100	0	22.34
		16QAM	18700	1860	1	0	22.29
					1	50	22.20
					1	99	22.15
					50	0	21.40
					50	25	21.44
					50	50	21.45
					100	0	21.50
			18900	1880	1	0	22.32
					1	50	22.27
					1	99	22.25
					50	0	21.43
					50	25	21.43
					50	50	21.47
					100	0	21.45
			19100	1900	1	0	22.25
					1	50	22.19
					1	99	22.21
					50	0	21.41
					50	25	21.34
					50	50	21.35
					100	0	21.37

Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Burst Average Power (dBm)
					Size	Offset	
LTE Band 4	1.4MHz	QPSK	19957	1710.7	1	0	23.37
					1	3	23.33
					1	5	23.32
					3	0	23.34
					3	2	23.30
					3	3	23.31
					6	0	22.39
			20175	1732.5	1	0	23.44
					1	3	23.38
					1	5	23.42
					3	0	23.41
					3	2	23.43
					3	3	23.37
					6	0	22.47
			20393	1754.3	1	0	<b>23.51</b>
					1	3	23.48
					1	5	23.43
					3	0	23.44
					3	2	23.45
					3	3	23.47
					6	0	22.51
		16QAM	19957	1710.7	1	0	22.36
					1	3	22.29
					1	5	22.29
					3	0	22.31
					3	2	22.32
					3	3	22.33
					6	0	21.30
			20175	1732.5	1	0	22.41
					1	3	22.38
					1	5	22.35
					3	0	22.31
					3	2	22.27
					3	3	22.25
					6	0	21.34
			20393	1754.3	1	0	22.43
					1	3	22.39
					1	5	22.36
					3	0	22.35
					3	2	22.31
					3	3	22.25
					6	0	21.44



Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Burst Average Power (dBm)
					Size	Offset	
LTE Band 4	3MHz	QPSK	19965	1711.5	1	0	23.36
					1	8	23.30
					1	14	23.30
					8	0	22.34
					8	4	22.33
					8	8	22.38
					15	0	22.39
			20175	1732.5	1	0	23.38
					1	8	23.34
					1	14	23.33
					8	0	22.45
					8	4	22.42
					8	8	22.42
					15	0	22.48
			20385	1753.5	1	0	23.41
					1	8	23.39
					1	14	23.34
					8	0	22.44
					8	4	22.44
					8	8	22.45
					15	0	22.49
		16QAM	19965	1711.5	1	0	22.31
					1	8	22.26
					1	14	22.29
					8	0	21.40
					8	4	21.38
					8	8	21.42
					15	0	21.37
			20175	1732.5	1	0	22.34
					1	8	22.30
					1	14	22.27
					8	0	21.47
					8	4	21.44
					8	8	21.45
					15	0	21.43
			20385	1753.5	1	0	22.37
					1	8	22.34
					1	14	22.32
					8	0	21.49
					8	4	21.51
					8	8	21.52
					15	0	21.45

Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Burst Average Power (dBm)
					Size	Offset	
LTE Band 4	5MHz	QPSK	19975	1712.5	1	0	23.35
					1	13	23.31
					1	24	23.30
					12	0	22.36
					12	6	22.36
					12	13	22.42
					25	0	22.41
			20175	1732.5	1	0	23.43
					1	13	23.36
					1	24	23.39
					12	0	22.46
					12	6	22.43
					12	13	22.43
					25	0	22.41
			20375	1752.5	1	0	23.42
					1	13	23.38
					1	24	23.34
					12	0	22.43
					12	6	22.40
					12	13	22.43
					25	0	22.46
		16QAM	19975	1712.5	1	0	22.35
					1	13	22.32
					1	24	22.26
					12	0	21.43
					12	6	21.43
					12	13	21.42
					25	0	21.43
			20175	1732.5	1	0	22.36
					1	13	22.31
					1	24	22.27
					12	0	21.48
					12	6	21.45
					12	13	21.47
					25	0	21.49
			20375	1752.5	1	0	22.38
					1	13	22.36
					1	24	22.32
					12	0	21.51
					12	6	21.51
					12	13	21.53
					25	0	21.53

Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Burst Average Power (dBm)
					Size	Offset	
LTE Band 4	10MHz	QPSK	20000	1715.0	1	0	23.32
					1	25	23.28
					1	49	23.31
					25	0	22.39
					25	13	22.37
					25	25	22.38
					50	0	22.48
			20175	1732.5	1	0	23.41
					1	25	23.36
					1	49	23.34
					25	0	22.38
					25	13	22.44
					25	25	22.40
					50	0	22.51
			20350	1750.0	1	0	23.43
					1	25	23.37
					1	49	23.36
					25	0	22.37
					25	13	22.45
					25	25	22.40
					50	0	22.53
		16QAM	20000	1715.0	1	0	22.32
					1	25	22.25
					1	49	22.28
					25	0	21.40
					25	13	21.41
					25	25	21.36
					50	0	21.44
			20175	1732.5	1	0	22.37
					1	25	22.33
					1	49	22.31
					25	0	21.45
					25	13	21.41
					25	25	21.46
					50	0	21.50
			20350	1750.0	1	0	22.36
					1	25	22.34
					1	49	22.28
					25	0	21.48
					25	13	21.47
					25	25	21.46
					50	0	21.51

Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Burst Average Power (dBm)
					Size	Offset	
LTE Band 4	15MHz	QPSK	20025	1717.5	1	0	23.37
					1	38	23.32
					1	74	23.31
					38	0	22.47
					38	18	22.40
					38	38	22.45
					75	0	22.46
			20175	1732.5	1	0	23.39
					1	38	23.36
					1	74	23.31
					38	0	22.52
					38	18	22.52
					38	38	22.48
					75	0	22.54
			20325	1747.5	1	0	23.43
					1	38	23.38
					1	74	23.41
					38	0	22.54
					38	18	22.48
					38	38	22.48
					75	0	22.50
		16QAM	20025	1717.5	1	0	22.36
					1	38	22.29
					1	74	22.25
					38	0	21.41
					38	18	21.38
					38	38	21.37
					75	0	21.47
			20175	1732.5	1	0	22.34
					1	38	22.31
					1	74	22.26
					38	0	21.41
					38	18	21.46
					38	38	21.45
					75	0	21.57
			20325	1747.5	1	0	22.43
					1	38	22.32
					1	74	22.33
					38	0	21.52
					38	18	21.44
					38	38	21.42
					75	0	21.52

Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Burst Average Power (dBm)
					Size	Offset	
LTE Band 4	20MHz	QPSK	20050	1720.0	1	0	23.36
					1	50	23.34
					1	99	23.35
					50	0	22.56
					50	25	22.46
					50	50	22.43
					100	0	22.41
			20175	1732.5	1	0	23.38
					1	50	23.36
					1	99	23.33
					50	0	22.56
					50	25	22.54
					50	50	22.54
					100	0	22.58
			20300	1745.0	1	0	23.47
					1	50	23.35
					1	99	23.38
					50	0	22.63
					50	25	22.48
					50	50	22.52
					100	0	22.62
		16QAM	20050	1720.0	1	0	22.32
					1	50	22.26
					1	99	22.27
					50	0	21.49
					50	25	21.47
					50	50	21.47
					100	0	21.50
			20175	1732.5	1	0	22.38
					1	50	22.34
					1	99	22.31
					50	0	21.56
					50	25	21.55
					50	50	21.59
					100	0	21.60
			20300	1745.0	1	0	22.45
					1	50	22.30
					1	99	22.36
					50	0	21.56
					50	25	21.48
					50	50	21.52
					100	0	21.64

Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Burst Average Power (dBm)
					Size	Offset	
LTE Band 5	1.4MHz	QPSK	20407	824.7	1	0	<b>23.39</b>
					1	3	23.36
					1	5	23.25
					3	0	23.37
					3	2	23.38
					3	3	23.32
					6	0	22.39
			20525	836.5	1	0	23.36
					1	3	23.29
					1	5	23.33
					3	0	23.32
					3	2	23.32
					3	3	23.32
					6	0	22.36
			20643	848.3	1	0	23.29
					1	3	23.24
					1	5	23.26
					3	0	23.28
					3	2	23.28
					3	3	23.27
					6	0	22.35
		16QAM	20407	824.7	1	0	22.36
					1	3	22.29
					1	5	22.21
					3	0	22.32
					3	2	22.33
					3	3	22.32
					6	0	21.24
			20525	836.5	1	0	22.33
					1	3	22.29
					1	5	22.28
					3	0	22.30
					3	2	22.27
					3	3	22.30
					6	0	21.23
			20643	848.3	1	0	22.27
					1	3	22.21
					1	5	22.20
					3	0	22.27
					3	2	22.26
					3	3	22.25
					6	0	21.19

Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Burst Average Power (dBm)
					Size	Offset	
LTE Band 5	3MHz	QPSK	20415	825.5	1	0	23.30
					1	8	23.17
					1	14	23.30
					8	0	22.38
					8	4	22.28
					8	8	22.38
					15	0	22.35
			20525	836.5	1	0	23.29
					1	8	23.26
					1	14	23.26
					8	0	22.29
					8	4	22.29
					8	8	22.31
					15	0	22.35
			20635	847.5	1	0	23.25
					1	8	23.20
					1	14	23.25
					8	0	22.30
					8	4	22.28
					8	8	22.27
					15	0	22.33
		16QAM	20415	825.5	1	0	22.31
					1	8	22.26
					1	14	22.17
					8	0	21.32
					8	4	21.29
					8	8	21.35
					15	0	21.35
			20525	836.5	1	0	22.23
					1	8	22.21
					1	14	22.23
					8	0	21.34
					8	4	21.34
					8	8	21.33
					15	0	21.30
			20635	847.5	1	0	22.25
					1	8	22.19
					1	14	22.19
					8	0	21.28
					8	4	21.34
					8	8	21.34
					15	0	21.26

Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB		Burst Average Power (dBm)
					Size	Offset	
LTE Band 5	5MHz	QPSK	20425	826.5	1	0	23.31
					1	13	23.26
					1	24	23.28
					12	0	22.31
					12	6	22.29
					12	13	22.33
					25	0	22.35
			20525	836.5	1	0	23.26
					1	13	23.22
					1	24	23.24
					12	0	22.29
					12	6	22.31
					12	13	22.34
					25	0	22.32
			20625	846.5	1	0	23.23
					1	13	23.21
					1	24	23.18
					12	0	22.29
					12	6	22.25
					12	13	22.28
					25	0	22.26
		16QAM	20425	826.5	1	0	22.24
					1	13	22.23
					1	24	22.24
					12	0	21.35
					12	6	21.34
					12	13	21.32
					25	0	21.34
			20525	836.5	1	0	22.28
					1	13	22.20
					1	24	22.19
					12	0	21.31
					12	6	21.31
					12	13	21.31
					25	0	21.33
			20625	846.5	1	0	22.21
					1	13	22.18
					1	24	22.19
					12	0	21.30
					12	6	21.29
					12	13	21.29
					25	0	21.27



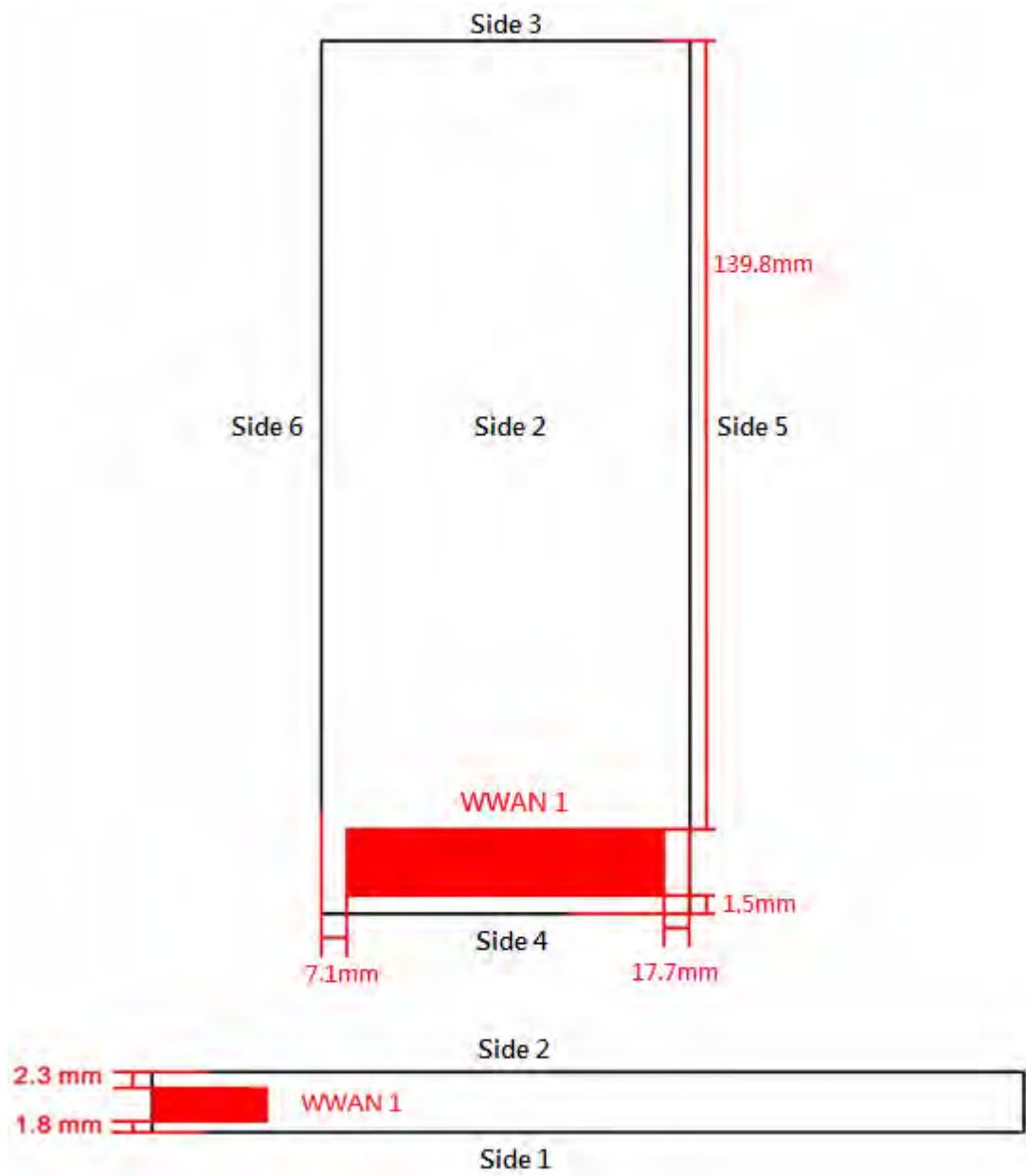
Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Burst Average Power (dBm)
					Size	Offset	
LTE Band 5	10MHz	QPSK	20450	829.0	1	0	23.29
					1	25	23.28
					1	49	23.25
					25	0	22.39
					25	13	22.30
					25	25	22.31
			20525	836.5	50	0	22.38
					1	0	23.23
					1	25	23.22
					1	49	23.22
					25	0	22.37
					25	13	22.27
					25	25	22.26
			20600	844.0	50	0	22.33
					1	0	23.27
					1	25	23.23
					1	49	23.26
					25	0	22.36
					25	13	22.26
					25	25	22.30
			16QAM	20450	50	0	22.35
					1	0	22.26
					1	25	22.21
					1	49	22.25
					25	0	21.30
					25	13	21.28
					25	25	21.33
					50	0	21.36
				20525	1	0	22.25
					1	25	22.18
					1	49	22.21
					25	0	21.31
					25	13	21.29
					25	25	21.30
					50	0	21.34
				20600	1	0	22.22
					1	25	22.21
					1	49	22.18
					25	0	21.33
					25	13	21.30
					25	25	21.27
					50	0	21.36

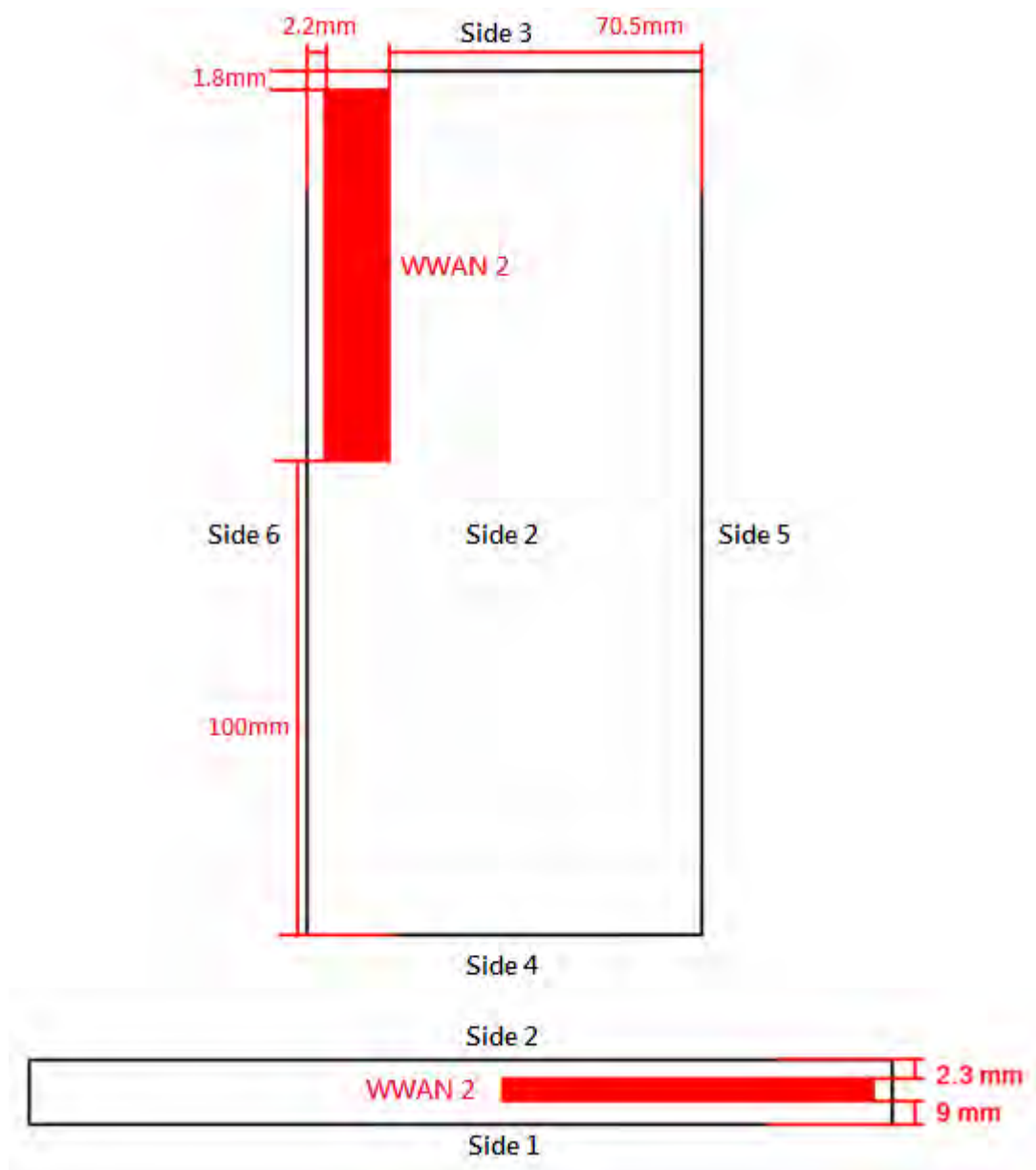
Band	Data Rate	CH	Frequency (MHz)	Average Power (dBm)
IEEE 802.11b	1M	1	2412.0	<b>12.20</b>
		6	2437.0	11.84
		11	2462.0	11.47
	2M	6	2437.0	11.79
	5.5M	6	2437.0	11.80
	11M	6	2437.0	11.61
IEEE 802.11g	6M	1	2412.0	16.17
		6	2437.0	<b>16.19</b>
		11	2462.0	16.10
	9M	6	2437.0	16.14
	12M	6	2437.0	16.08
	18M	6	2437.0	16.11
	24M	6	2437.0	16.01
	36M	6	2437.0	16.17
	48M	6	2437.0	16.07
IEEE 802.11n 20MHz (2.4 GHz)	6.5M	1	2412.0	14.39
		6	2437.0	<b>14.52</b>
		11	2462.0	14.50
	13M	6	2437.0	14.49
	19.5M	6	2437.0	14.51
	26M	6	2437.0	14.37
	39M	6	2437.0	14.46
	52M	6	2437.0	14.45
	58.5M	6	2437.0	14.49
	65M	6	2437.0	14.42

Band	CH	Frequency (MHz)	Packet Type	Average Power (dBm)
Bluetooth v3.0 GFSK	0	2402	DH1	6.94
			DH3	6.93
			DH5	7.02
	39	2441	DH1	8.21
			DH3	8.30
			DH5	<b>8.31</b>
	78	2480	DH1	5.72
			DH3	5.76
			DH5	5.81
Bluetooth v3.0 $\pi/4$ -DQPSK	0	2402	DH1	5.45
			DH3	5.41
			DH5	5.51
	39	2441	DH1	7.26
			DH3	7.30
			DH5	7.31
	78	2480	DH1	4.22
			DH3	4.25
			DH5	4.30
Bluetooth v3.0 8DPSK	0	2402	DH1	5.99
			DH3	6.04
			DH5	6.06
	39	2441	DH1	7.31
			DH3	7.26
			DH5	7.33
	78	2480	DH1	4.21
			DH3	4.22
			DH5	4.31
Bluetooth v4.0 LE	0	2402	---	-0.79
	19	2440	---	<b>0.71</b>
	39	2480	---	-0.86

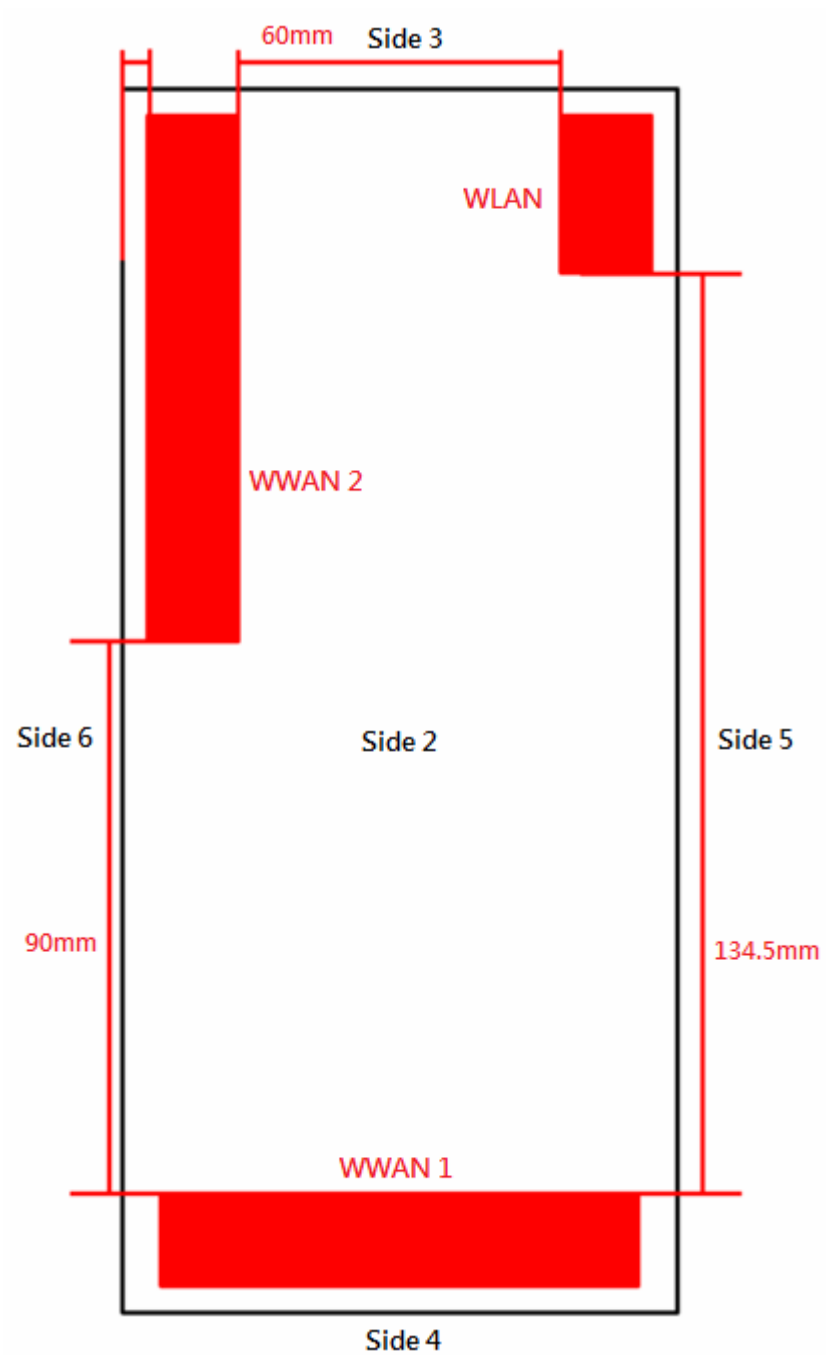
## 6.10 Antenna location

Antenna-User					
Distance of WWAN to edge		Distance of WWAN to edge		Distance of WLAN and Bluetooth to edge	
WWAN Antenna 1 to Side 1	1.8mm	WWAN Antenna2 to Side 1	9mm	WLAN and Bluetooth Antenna to Side 1	7.8mm
WWAN Antenna 1 to Side 2	2.3mm	WWAN Antenna2 to Side 2	2.3mm	WLAN and Bluetooth Antenna to Side 2	2.3mm
WWAN Antenna 1 to Side 3	139.8mm	WWAN Antenna2 to Side 3	1.8mm	WLAN and Bluetooth Antenna to Side 3	3.2mm
WWAN Antenna 1 to Side 4	1.5mm	WWAN Antenna2 to Side 4	100mm	WLAN and Bluetooth Antenna to Side 4	139mm
WWAN Antenna 1 to Side 5	17.7mm	WWAN Antenna2 to Side 5	70.5mm	WLAN and Bluetooth Antenna to Side 5	2.2mm
WWAN Antenna 1 to Side 6	7.1mm	WWAN Antenna2 to Side 6	2.2mm	WLAN and Bluetooth Antenna to Side 6	68.1mm
Antenna-Antenna					
Antenna account			Distance (mm)		
WWAN Antenna1 to WLAN and Bluetooth Antenna			134.5		
WWAN Antenna2 to WLAN and Bluetooth Antenna			60		
WWAN Antenna1 to WWAN Antenna2			90		











## 6.11 Stand-alone SAR Evaluate

Transmitter and antenna implementation as below:

Band	WWAN Antenna 1	WWAN Antenna 2	WLAN and Bluetooth Antenna
WWAN	V	V	X
WLAN	X	X	V
Bluetooth	X	X	V

Stand-alone transmission configurations as below:

Band	RC	RT	LC	LT	Side 1	Side 2	Side 3	Side 4	Side 5	Side 6
GSM 850	v	v	v	v	v	v	v	-	-	-
GPRS 850	v	v	v	v	v	v	v	v	v	v
DTM 850	v	v	v	v	v	v	v	-	-	-
GSM 1900	v	v	v	v	v	v	v	-	-	-
GPRS 1900	v	v	v	v	v	v	v	v	v	v
DTM 1900	v	v	v	v	v	v	v	-	-	-
WCDMA/HSDPA/HSUPA/HSPA+ Band II	v	v	v	v	v	v	-	v	v	v
WCDMA/HSDPA/HSUPA/HSPA+ Band V	v	v	v	v	v	v	-	v	v	v
LTE Band 2	v	v	v	v	v	v	-	v	v	v
LTE Band 4	v	v	v	v	v	v	-	v	v	v
LTE Band 5	v	v	v	v	v	v	-	v	v	v
IEEE 802.11b	v	v	v	v	v	v	v	-	v	-
IEEE 802.11g	v	v	v	v	v	v	v	-	v	-
IEEE 802.11n (20MHz)	v	v	v	v	v	v	v	-	v	-
Bluetooth v3.0	-	-	-	-	v	v	-	-	-	-
Bluetooth v4.0 LE	-	-	-	-	v	v	-	-	-	-

Note: The "-" on behalf of Stand-alone SAR is not required (Refer to KDB447498 D01 4.3.1 for the Standalone SAR test exclusion considerations)

## 6.12 Simultaneous Transmitting Evaluate

Simultaneous transmission configurations as below:

Condition	Side	Frequency Band	
		WWAN	WLAN and Bluetooth
1	RC	V	V
2	RT	V	V
3	LC	V	V
4	LT	V	V
5	1	V	V
6	2	V	V
7	3	V	V
8	4	V	V
9	5	V	V
10	6	V	V

### 6.12.1 Estimated SAR

Estimated SAR for test separation distances  $\leq 50$  mm

Antenna	Side	Band	Channel	Power-Tune up (dBm)	Frequency (GHz)	Distance (mm)	Power (mW)	Estimated SAR <sup>19</sup> (W/Kg)
Bluetooth	RC	Bluetooth v3.0	39	8.5	2.441	5	7	0.292
	RT		39	8.5	2.441	5	7	0.292
	LC		39	8.5	2.441	5	7	0.292
	LT		39	8.5	2.441	5	7	0.292
Bluetooth	RC	Bluetooth v4.0 LE	19	0.8	2.440	5	1	0.042
	RT		19	0.8	2.440	5	1	0.042
	LC		19	0.8	2.440	5	1	0.042
	LT		19	0.8	2.440	5	1	0.042
Bluetooth	Side 3	Bluetooth v3.0	39	8.5	2.441	5	7	0.292
		Bluetooth v4.0 LE	19	0.8	2.440	5	1	0.042
Bluetooth	Side 5	Bluetooth v3.0	39	8.5	2.441	5	7	0.292
		Bluetooth v4.0 LE	19	0.8	2.440	5	1	0.042

**Estimated SAR for test separation distances > 50 mm**

Antenna	Phantom Position	Band	Estimated SAR <sup>1g</sup> (W/Kg)
WWLAN_Antenna 1	Side 3	WCDMA Band II	0.4
		WCDMA Band V	0.4
		LTE Band 2	0.4
		LTE Band 4	0.4
		LTE Band 5	0.4
WLAN	Side 4	IEEE 802.11b	0.4
		IEEE 802.11g	0.4
		IEEE 802.11n (20MHz)	0.4
Bluetooth		Bluetooth v3.0	0.4
		Bluetooth v4.0 LE	0.4
WLAN	Side 6	IEEE 802.11b	0.4
		IEEE 802.11g	0.4
		IEEE 802.11n (20MHz)	0.4
Bluetooth		Bluetooth v3.0	0.4
		Bluetooth v4.0 LE	0.4

### 6.12.2 Sum of 1-g SAR of all simultaneously transmitting

When the sum of 1-g SAR of all simultaneously transmitting antennas in and operating mode and exposure condition combination is within the SAR limit, SAR test exclusion applies to that simultaneous transmission configuration.

Sum of 1-g SAR of summary as below:

Phantom Position		Spacing (mm)	ASSY	WWAN Antenna		WLAN Antenna		Bluetooth Antenna		$\Sigma$ SAR <sup>1g</sup> (W/Kg)	Event
				Band	SAR <sup>1g</sup> (W/Kg)	Band	SAR <sup>1g</sup> (W/Kg)	Band	SAR <sup>1g</sup> (W/Kg)		
Head	RC	0	N/A	GSM 850	0.379	IEEE 802.11g	0.211	Bluetooth	*0.292	0.882	<1.6
		0	N/A	GPRS 850	0.284	IEEE 802.11g	0.211	Bluetooth	*0.292	0.787	<1.6
		0	N/A	DTM 850	0.245	IEEE 802.11g	0.211	Bluetooth	*0.292	0.748	<1.6
		0	N/A	GSM 1900	0.315	IEEE 802.11g	0.211	Bluetooth	*0.292	0.818	<1.6
		0	N/A	GPRS 1900	0.305	IEEE 802.11g	0.211	Bluetooth	*0.292	0.808	<1.6
		0	N/A	DTM 1900	0.253	IEEE 802.11g	0.211	Bluetooth	*0.292	0.756	<1.6
		0	N/A	WCDMA Band II	0.437	IEEE 802.11g	0.211	Bluetooth	*0.292	0.940	<1.6
		0	N/A	WCDMA Band V	0.221	IEEE 802.11g	0.211	Bluetooth	*0.292	0.724	<1.6
		0	N/A	LTE Band 2	0.523	IEEE 802.11g	0.211	Bluetooth	*0.292	1.026	<1.6
		0	N/A	LTE Band 4	0.696	IEEE 802.11g	0.211	Bluetooth	*0.292	1.199	<1.6
Head	RT	0	N/A	LTE Band 5	0.264	IEEE 802.11g	0.211	Bluetooth	*0.292	0.767	<1.6
		0	N/A	GSM 850	0.263	IEEE 802.11g	0.195	Bluetooth	*0.292	0.750	<1.6
		0	N/A	GPRS 850	0.200	IEEE 802.11g	0.195	Bluetooth	*0.292	0.687	<1.6
		0	N/A	DTM 850	0.179	IEEE 802.11g	0.195	Bluetooth	*0.292	0.666	<1.6
		0	N/A	GSM 1900	0.258	IEEE 802.11g	0.195	Bluetooth	*0.292	0.745	<1.6
		0	N/A	GPRS 1900	0.196	IEEE 802.11g	0.195	Bluetooth	*0.292	0.683	<1.6
		0	N/A	DTM 1900	0.213	IEEE 802.11g	0.195	Bluetooth	*0.292	0.700	<1.6
		0	N/A	WCDMA Band II	0.098	IEEE 802.11g	0.195	Bluetooth	*0.292	0.585	<1.6
		0	N/A	WCDMA Band V	0.165	IEEE 802.11g	0.195	Bluetooth	*0.292	0.652	<1.6
		0	N/A	LTE Band 2	0.142	IEEE 802.11g	0.195	Bluetooth	*0.292	0.629	<1.6
		0	N/A	LTE Band 4	0.246	IEEE 802.11g	0.195	Bluetooth	*0.292	0.733	<1.6
		0	N/A	LTE Band 5	0.217	IEEE 802.11g	0.195	Bluetooth	*0.292	0.704	<1.6

Note 1: \*=Estimated SAR

2: \*\*The Estimated SAR 0.4W/Kg for 1g SAR when the WWAN Antenna for Side 3 test separation distances is > 50 mm.

Phantom Position		Spacing (mm)	ASSY	WWAN Antenna		WLAN Antenna		Bluetooth Antenna		$\Sigma$ SAR <sup>1g</sup> (W/Kg)	Event
				Band	SAR <sup>1g</sup> (W/Kg)	Band	SAR <sup>1g</sup> (W/Kg)	Band	SAR <sup>1g</sup> (W/Kg)		
Head	LC	0	N/A	GSM 850	0.432	IEEE 802.11g	0.049	Bluetooth	*0.292	0.773	<1.6
		0	N/A	GPRS 850	0.349	IEEE 802.11g	0.049	Bluetooth	*0.292	0.690	<1.6
		0	N/A	DTM 850	0.261	IEEE 802.11g	0.049	Bluetooth	*0.292	0.602	<1.6
		0	N/A	GSM 1900	0.560	IEEE 802.11g	0.049	Bluetooth	*0.292	0.901	<1.6
		0	N/A	GPRS 1900	0.535	IEEE 802.11g	0.049	Bluetooth	*0.292	0.876	<1.6
		0	N/A	DTM 1900	0.480	IEEE 802.11g	0.049	Bluetooth	*0.292	0.821	<1.6
		0	N/A	WCDMA Band II	0.232	IEEE 802.11g	0.049	Bluetooth	*0.292	0.573	<1.6
		0	N/A	WCDMA Band V	0.272	IEEE 802.11g	0.049	Bluetooth	*0.292	0.613	<1.6
		0	N/A	LTE Band 2	0.257	IEEE 802.11g	0.049	Bluetooth	*0.292	0.598	<1.6
		0	N/A	LTE Band 4	0.426	IEEE 802.11g	0.049	Bluetooth	*0.292	0.767	<1.6
		0	N/A	LTE Band 5	0.306	IEEE 802.11g	0.049	Bluetooth	*0.292	0.647	<1.6
Head	LT	0	N/A	GSM 850	0.250	IEEE 802.11g	0.053	Bluetooth	*0.292	0.595	<1.6
		0	N/A	GPRS 850	0.194	IEEE 802.11g	0.053	Bluetooth	*0.292	0.539	<1.6
		0	N/A	DTM 850	0.153	IEEE 802.11g	0.053	Bluetooth	*0.292	0.498	<1.6
		0	N/A	GSM 1900	0.427	IEEE 802.11g	0.053	Bluetooth	*0.292	0.772	<1.6
		0	N/A	GPRS 1900	0.432	IEEE 802.11g	0.053	Bluetooth	*0.292	0.777	<1.6
		0	N/A	DTM 1900	0.299	IEEE 802.11g	0.053	Bluetooth	*0.292	0.644	<1.6
		0	N/A	WCDMA Band II	0.156	IEEE 802.11g	0.053	Bluetooth	*0.292	0.501	<1.6
		0	N/A	WCDMA Band V	0.151	IEEE 802.11g	0.053	Bluetooth	*0.292	0.496	<1.6
		0	N/A	LTE Band 2	0.199	IEEE 802.11g	0.053	Bluetooth	*0.292	0.544	<1.6
		0	N/A	LTE Band 4	0.265	IEEE 802.11g	0.053	Bluetooth	*0.292	0.610	<1.6
		0	N/A	LTE Band 5	0.178	IEEE 802.11g	0.053	Bluetooth	*0.292	0.523	<1.6

Note 1: \*=Estimated SAR

2: \*\*The Estimated SAR 0.4W/Kg for 1g SAR when the WWAN Antenna for Side 3 test separation distances is > 50 mm.

Phantom Position		Spacing (mm)	ASSY	WWAN Antenna		WLAN Antenna		Bluetooth Antenna		$\Sigma$ SAR <sup>1g</sup> (W/Kg)	Event
				Band	SAR <sup>1g</sup> (W/Kg)	Band	SAR <sup>1g</sup> (W/Kg)	Band	SAR <sup>1g</sup> (W/Kg)		
Flat	Side 1	10	N/A	GSM 850	0.544	IEEE 802.11g	0.059	Bluetooth	0.005	0.608	<1.6
		10	N/A	GPRS 850	0.421	IEEE 802.11g	0.059	Bluetooth	0.005	0.485	<1.6
		10	N/A	DTM 850	0.363	IEEE 802.11g	0.059	Bluetooth	0.005	0.427	<1.6
		10	N/A	GSM 1900	0.368	IEEE 802.11g	0.059	Bluetooth	0.005	0.432	<1.6
		10	N/A	GPRS 1900	0.442	IEEE 802.11g	0.059	Bluetooth	0.005	0.506	<1.6
		10	N/A	DTM 1900	0.351	IEEE 802.11g	0.059	Bluetooth	0.005	0.415	<1.6
		10	N/A	WCDMA Band II	0.517	IEEE 802.11g	0.059	Bluetooth	0.005	0.581	<1.6
		10	N/A	WCDMA Band V	0.288	IEEE 802.11g	0.059	Bluetooth	0.005	0.352	<1.6
		10	N/A	LTE Band 2	0.729	IEEE 802.11g	0.059	Bluetooth	0.005	0.793	<1.6
		10	N/A	LTE Band 4	0.900	IEEE 802.11g	0.059	Bluetooth	0.005	0.964	<1.6
		10	N/A	LTE Band 5	0.364	IEEE 802.11g	0.059	Bluetooth	0.005	0.428	<1.6
Flat	Side 2	10	N/A	GSM 850	0.576	IEEE 802.11g	0.105	Bluetooth	0.013	0.694	<1.6
		10	N/A	GPRS 850	0.404	IEEE 802.11g	0.105	Bluetooth	0.013	0.522	<1.6
		10	N/A	DTM 850	0.341	IEEE 802.11g	0.105	Bluetooth	0.013	0.459	<1.6
		10	N/A	GSM 1900	0.317	IEEE 802.11g	0.105	Bluetooth	0.013	0.435	<1.6
		10	N/A	GPRS 1900	0.332	IEEE 802.11g	0.105	Bluetooth	0.013	0.450	<1.6
		10	N/A	DTM 1900	0.271	IEEE 802.11g	0.105	Bluetooth	0.013	0.389	<1.6
		10	N/A	WCDMA Band II	0.461	IEEE 802.11g	0.105	Bluetooth	0.013	0.579	<1.6
		10	N/A	WCDMA Band V	0.371	IEEE 802.11g	0.105	Bluetooth	0.013	0.489	<1.6
		10	N/A	LTE Band 2	0.511	IEEE 802.11g	0.105	Bluetooth	0.013	0.629	<1.6
		10	N/A	LTE Band 4	0.617	IEEE 802.11g	0.105	Bluetooth	0.013	0.735	<1.6
		10	N/A	LTE Band 5	0.386	IEEE 802.11g	0.105	Bluetooth	0.013	0.504	<1.6

Note 1: \*=Estimated SAR

2: \*\*The Estimated SAR 0.4W/Kg for 1g SAR when the WWAN Antenna for Side 3 test separation distances is > 50 mm.

Phantom Position		Spacing (mm)	ASSY	WWAN Antenna		WLAN Antenna		Bluetooth Antenna		$\Sigma$ SAR <sup>1g</sup> (W/Kg)	Event
				Band	SAR <sup>1g</sup> (W/Kg)	Band	SAR <sup>1g</sup> (W/Kg)	Band	SAR <sup>1g</sup> (W/Kg)		
Flat	Side 3	10	N/A	GPRS 850	0.051	IEEE 802.11g	0.067	Bluetooth	*0.292	0.410	<1.6
		10	N/A	GPRS 1900	0.074	IEEE 802.11g	0.067	Bluetooth	*0.292	0.433	<1.6
		10	N/A	WCDMA Band II	**0.4	IEEE 802.11g	0.067	Bluetooth	*0.292	0.759	<1.6
		10	N/A	WCDMA Band V	**0.4	IEEE 802.11g	0.067	Bluetooth	*0.292	0.759	<1.6
		10	N/A	LTE Band 2	**0.4	IEEE 802.11g	0.067	Bluetooth	*0.292	0.759	<1.6
		10	N/A	LTE Band 4	**0.4	IEEE 802.11g	0.067	Bluetooth	*0.292	0.759	<1.6
		10	N/A	LTE Band 5	**0.4	IEEE 802.11g	0.067	Bluetooth	*0.292	0.759	<1.6
Flat	Side 4	10	N/A	GPRS 850	0.092	IEEE 802.11g	**0.4	Bluetooth	**0.4	0.892	<1.6
		10	N/A	GPRS 1900	0.266	IEEE 802.11g	**0.4	Bluetooth	**0.4	1.066	<1.6
		10	N/A	WCDMA Band II	0.286	IEEE 802.11g	**0.4	Bluetooth	**0.4	1.086	<1.6
		10	N/A	WCDMA Band V	0.072	IEEE 802.11g	**0.4	Bluetooth	**0.4	0.872	<1.6
		10	N/A	LTE Band 2	0.410	IEEE 802.11g	**0.4	Bluetooth	**0.4	1.210	<1.6
		10	N/A	LTE Band 4	0.309	IEEE 802.11g	**0.4	Bluetooth	**0.4	1.109	<1.6
		10	N/A	LTE Band 5	0.076	IEEE 802.11g	**0.4	Bluetooth	**0.4	0.876	<1.6
Flat	Side 5	10	N/A	GPRS 850	0.308	IEEE 802.11g	0.089	Bluetooth	*0.292	0.689	<1.6
		10	N/A	GPRS 1900	0.047	IEEE 802.11g	0.089	Bluetooth	*0.292	0.428	<1.6
		10	N/A	WCDMA Band II	0.076	IEEE 802.11g	0.089	Bluetooth	*0.292	0.457	<1.6
		10	N/A	WCDMA Band V	0.267	IEEE 802.11g	0.089	Bluetooth	*0.292	0.648	<1.6
		10	N/A	LTE Band 2	0.099	IEEE 802.11g	0.089	Bluetooth	*0.292	0.480	<1.6
		10	N/A	LTE Band 4	0.086	IEEE 802.11g	0.089	Bluetooth	*0.292	0.467	<1.6
		10	N/A	LTE Band 5	0.263	IEEE 802.11g	0.089	Bluetooth	*0.292	0.644	<1.6
Flat	Side 6	10	N/A	GPRS 850	0.160	IEEE 802.11g	**0.4	Bluetooth	**0.4	0.960	<1.6
		10	N/A	GPRS 1900	0.311	IEEE 802.11g	**0.4	Bluetooth	**0.4	1.111	<1.6
		10	N/A	WCDMA Band II	0.363	IEEE 802.11g	**0.4	Bluetooth	**0.4	1.163	<1.6
		10	N/A	WCDMA Band V	0.133	IEEE 802.11g	**0.4	Bluetooth	**0.4	0.933	<1.6
		10	N/A	LTE Band 2	0.441	IEEE 802.11g	**0.4	Bluetooth	**0.4	1.241	<1.6
		10	N/A	LTE Band 4	0.486	IEEE 802.11g	**0.4	Bluetooth	**0.4	1.286	<1.6
		10	N/A	LTE Band 5	0.175	IEEE 802.11g	**0.4	Bluetooth	**0.4	0.975	<1.6

Note 1: \*=Estimated SAR

2: \*\*The Estimated SAR 0.4W/Kg for 1g SAR when the WWAN Antenna for Side 3 test separation distances is > 50 mm.

### 6.12.3 SAR to peak location separation ratio (SPLSR)

When the sum of SAR is larger than the limit, SAR test exclusion is determined by the SAR to peak location separation ratio. The ratio is determined by  $(SAR1 + SAR2)^{1.5}/R_i$ , rounded to two decimal digits, and must be  $\leq 0.04$  for all antenna pairs in the configuration to qualify for 1-g SAR test exclusion.

**All of sum of SAR < 1.6 W/Kg, therefore SPLSR is not required.**

## 6.13 SAR test reduction according to KDB

General:

- The test data reported are the worst-case SAR value with the position set in a typical configuration. Test procedures used were according to FCC, Supplement C [June 2001], IEEE1528-2013 and IEEE Std. 1528a-2005.
- All modes of operation were investigated, and worst-case results are reported.
- Tissue parameters and temperatures are listed on the SAR plots.
- Batteries are fully charged for all readings.
- When the Channel's SAR 1g of maximum conducted power is > 0.8 mW/g, low, middle and high channel are supposed to be tested.

KDB 447498:

- The test data reported are the worst-case SAR value with the position set in a typical configuration. Test procedures used were according to IEEE1528-2013 and IEEE Std. 1528a-2005.

KDB 865664:

- Repeated measurement is not required when the original highest measured SAR is < 0.80 W/kg.
- When the original highest measured SAR is  $\geq 0.80$  W/kg, repeat that measurement once.
- Perform a second repeated measurement only if the ratio of largest to smallest SAR for the original and first repeated measurements is > 1.20 or when the original or repeated measurement is  $\geq 1.45$  W/kg.
- Perform a third repeated measurement only if the original, first or second repeated measurement is  $\geq 1.5$  W/kg and the ratio of largest to smallest SAR for the original, first and second repeated measurements is > 1.20.



KDB 941225:

- In order to qualify for the above test reduction, the maximum burst-averaged output power for each mode (GMS/GPRS/EDGE) and the corresponding multi-slot class must be clearly identified in the SAR report for each frequency band. We perform worst case SAR with maximum time-average power on GMS/GPRS/EDGE mode.
- When HSDPA & (HSUPA / HSPA+ uplink with QPSK) power are not more than WCDMA 12.2K RMC 0.25dB and the SAR value of WCDMA BII/BV<1.2 mW/g, therefore HSDPA & HSUPA / HSPA+ Stand-alone SAR is not required.
- When the reported SAR is  $\leq 0.8$  W/kg, testing of the remaining RB offset configurations and required test channels is not required for 1 RB allocation, otherwise, SAR is required for the remaining required test channels and only for the RB offset configuration with the highest output power for that channel.
- 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 in 5.2.1 and 5.2.2 are  $\leq 0.8$  W/kg. Otherwise, SAR is measured for the highest output power channel and if the reported SAR is  $> 1.45$  W/kg, the remaining required test channels must also be tested.
- SAR is required only when the highest maximum output power for the configuration in the higher order modulation is  $> \frac{1}{2}$  dB higher than the same configuration in QPSK or when the reported SAR for the QPSK configuration is  $> 1.45$  W/kg.
- For smaller channel bandwidth SAR when the highest maximum output power of a configuration requiring testing in the smaller channel bandwidth is  $> \frac{1}{2}$  dB higher than the equivalent channel configurations in the largest channel bandwidth configuration or the reported SAR of a configuration for the largest channel bandwidth is  $> 1.45$  W/kg.
- SAR must be measured for all sides and surfaces with a transmitting antenna located within 25 mm from that surface or edge.

KDB 248227:

- If the conducted power of (802.11g and 802.11n) are higher than 802.11b 0.25dB, (802.11g and 802.11n) are supposed to be tested.

## 7. System Verification and Validation

### 7.1 Symmetric Dipoles for System Verification

Construction	Symmetrical dipole with 1/4 balun enables measurement of feed point impedance with NWA matched for use near flat phantoms filled with head simulating solutions Includes distance holder and tripod adaptor Calibration Calibrated SAR value for specified position and input power at the flat phantom in head simulating solutions.
Frequency	835, 1750, 1900 and 2450 MHz
Return Loss	> 20 dB at specified verification position
Power Capability	> 100 W ( $f < 1\text{GHz}$ ); > 40 W ( $f > 1\text{GHz}$ )
Options	Dipoles for other frequencies or solutions and other calibration conditions are available upon request
Dimensions	D835V2: dipole length 161 mm; overall height 340 mm D1750V2: dipole length 75.2 mm; overall height 301.5 mm D1900V2: dipole length 67.7 mm; overall height 300 mm D2450V2: dipole length 51.5 mm; overall height 300 mm

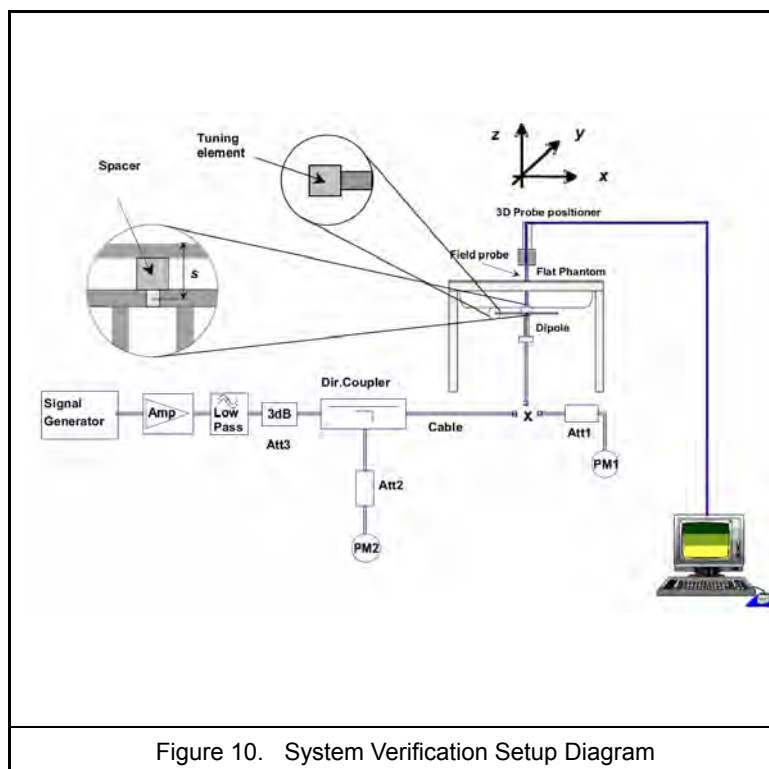


Figure 10. System Verification Setup Diagram



Figure 11. Validation Kit

## 7.2 Liquid Parameters

Liquid Verify								
Ambient Temperature : 22 ± 2 °C ; Relative Humidity : 40 -70%								
Liquid Type	Frequency	Temp (°C)	Parameters	Target Value	Measured Value	Deviation (%)	Limit (%)	Measured Date
835MHz (Head)	820MHz	22.0	$\epsilon_r$	41.57	42.39	1.97%	± 5	2014/09/09
			$\sigma$	0.898	0.865	-3.68%	± 5	
	835MHz	22.0	$\epsilon_r$	41.50	42.40	2.17%	± 5	
			$\sigma$	0.900	0.906	0.67%	± 5	
	850MHz	22.0	$\epsilon_r$	41.50	42.69	2.87%	± 5	
			$\sigma$	0.916	0.939	2.51%	± 5	
835MHz (Head)	820MHz	22.0	$\epsilon_r$	41.57	42.39	1.97%	± 5	2014/09/10
			$\sigma$	0.898	0.865	-3.68%	± 5	
	835MHz	22.0	$\epsilon_r$	41.50	42.40	2.17%	± 5	
			$\sigma$	0.900	0.906	0.67%	± 5	
	850MHz	22.0	$\epsilon_r$	41.50	42.69	2.87%	± 5	
			$\sigma$	0.916	0.939	2.51%	± 5	
835MHz (Head)	820MHz	22.0	$\epsilon_r$	41.57	42.39	1.97%	± 5	2014/09/11
			$\sigma$	0.898	0.865	-3.68%	± 5	
	835MHz	22.0	$\epsilon_r$	41.50	42.40	2.17%	± 5	
			$\sigma$	0.900	0.906	0.67%	± 5	
	850MHz	22.0	$\epsilon_r$	41.50	42.69	2.87%	± 5	
			$\sigma$	0.916	0.939	2.51%	± 5	
1750MHz (Head)	1700MHz	22.0	$\epsilon_r$	40.14	41.24	2.74%	± 5	2014/09/15
			$\sigma$	1.343	1.380	2.76%	± 5	
	1750MHz	22.0	$\epsilon_r$	40.10	41.10	2.49%	± 5	
			$\sigma$	1.370	1.419	3.58%	± 5	
	1760MHz	22.0	$\epsilon_r$	40.06	41.09	2.49%	± 5	
			$\sigma$	1.377	1.427	3.63%	± 5	
1900MHz (Head)	1850MHz	22.0	$\epsilon_r$	40.00	40.82	2.05%	± 5	2014/09/12
			$\sigma$	1.400	1.344	-4.00%	± 5	
	1900MHz	22.0	$\epsilon_r$	40.00	40.70	1.75%	± 5	
			$\sigma$	1.400	1.392	-0.57%	± 5	
	1950MHz	22.0	$\epsilon_r$	40.00	40.59	1.48%	± 5	
			$\sigma$	1.400	1.439	2.79%	± 5	

Table 4. Measured Tissue dielectric parameters for body phantoms -1

Liquid Verify								
Ambient Temperature : 22 ± 2 °C ; Relative Humidity : 40 -70%								
Liquid Type	Frequency	Temp (°C)	Parameters	Target Value	Measured Value	Deviation (%)	Limit (%)	Measured Date
2450MHz (Head)	2400MHz	22.0	$\epsilon_r$	39.29	38.48	-2.06%	± 5	2014/09/19
			$\sigma$	1.756	1.779	1.31%	± 5	
	2450MHz	22.0	$\epsilon_r$	39.20	38.36	-2.14%	± 5	
			$\sigma$	1.800	1.840	2.22%	± 5	
	2500MHz	22.0	$\epsilon_r$	39.13	38.16	-2.48%	± 5	
			$\sigma$	1.853	1.884	1.67%	± 5	
2450MHz (Head)	2400MHz	22.0	$\epsilon_r$	39.29	38.48	-2.06%	± 5	2014/09/22
			$\sigma$	1.756	1.779	1.31%	± 5	
	2450MHz	22.0	$\epsilon_r$	39.20	38.36	-2.14%	± 5	
			$\sigma$	1.800	1.840	2.22%	± 5	
	2500MHz	22.0	$\epsilon_r$	39.13	38.16	-2.48%	± 5	
			$\sigma$	1.853	1.884	1.67%	± 5	
835MHz (Body)	820MHz	22.0	$\epsilon_r$	55.26	55.33	0.13%	± 5	2014/09/04
			$\sigma$	0.969	0.973	0.41%	± 5	
	835MHz	22.0	$\epsilon_r$	55.20	55.29	0.16%	± 5	
			$\sigma$	0.970	0.990	2.06%	± 5	
	850MHz	22.0	$\epsilon_r$	55.15	55.28	0.24%	± 5	
			$\sigma$	0.988	1.011	2.33%	± 5	
835MHz (Body)	820MHz	22.0	$\epsilon_r$	55.26	55.33	0.13%	± 5	2014/09/05
			$\sigma$	0.969	0.973	0.41%	± 5	
	835MHz	22.0	$\epsilon_r$	55.20	55.29	0.16%	± 5	
			$\sigma$	0.970	0.990	2.06%	± 5	
	850MHz	22.0	$\epsilon_r$	55.15	55.28	0.24%	± 5	
			$\sigma$	0.988	1.011	2.33%	± 5	
835MHz (Body)	820MHz	22.0	$\epsilon_r$	55.26	55.33	0.13%	± 5	2014/09/10
			$\sigma$	0.969	0.973	0.41%	± 5	
	835MHz	22.0	$\epsilon_r$	55.20	55.29	0.16%	± 5	
			$\sigma$	0.970	0.990	2.06%	± 5	
	850MHz	22.0	$\epsilon_r$	55.15	55.28	0.24%	± 5	
			$\sigma$	0.988	1.011	2.33%	± 5	

Table 5. Measured Tissue dielectric parameters for body phantoms -2

Liquid Verify								
Ambient Temperature : 22 ± 2 °C ; Relative Humidity : 40 -70%								
Liquid Type	Frequency	Temp (°C)	Parameters	Target Value	Measured Value	Deviation (%)	Limit (%)	Measured Date
835MHz (Body)	820MHz	22.0	$\epsilon_r$	55.26	55.33	0.13%	± 5	2014/09/11
			$\sigma$	0.969	0.973	0.41%	± 5	
	835MHz	22.0	$\epsilon_r$	55.20	55.29	0.16%	± 5	
			$\sigma$	0.970	0.990	2.06%	± 5	
	850MHz	22.0	$\epsilon_r$	55.15	55.28	0.24%	± 5	
			$\sigma$	0.988	1.011	2.33%	± 5	
1750MHz (Body)	1700MHz	22.0	$\epsilon_r$	53.56	54.56	1.87%	± 5	2014/09/14
			$\sigma$	1.457	1.473	1.10%	± 5	
	1750MHz	22.0	$\epsilon_r$	53.40	54.71	2.40%	± 5	
			$\sigma$	1.490	1.517	1.81%	± 5	
	1760MHz	22.0	$\epsilon_r$	53.41	54.73	2.47%	± 5	
			$\sigma$	1.495	1.522	1.81%	± 5	
1900MHz (Body)	1850MHz	22.0	$\epsilon_r$	53.30	52.36	-1.76%	± 5	2014/09/13
			$\sigma$	1.520	1.456	-4.21%	± 5	
	1900MHz	22.0	$\epsilon_r$	53.30	52.46	-1.58%	± 5	
			$\sigma$	1.520	1.475	-2.96%	± 5	
	1950MHz	22.0	$\epsilon_r$	53.30	52.06	-2.33%	± 5	
			$\sigma$	1.520	1.583	4.15%	± 5	
2450MHz (Body)	2400MHz	22.0	$\epsilon_r$	52.77	54.02	2.37%	± 5	2014/09/22
			$\sigma$	1.902	1.881	-1.10%	± 5	
	2450MHz	22.0	$\epsilon_r$	52.70	54.46	3.34%	± 5	
			$\sigma$	1.950	1.980	1.54%	± 5	
	2500MHz	22.0	$\epsilon_r$	52.64	53.61	1.84%	± 5	
			$\sigma$	2.021	2.016	-0.25%	± 5	
2450MHz (Body)	2400MHz	22.0	$\epsilon_r$	52.77	54.02	2.37%	± 5	2014/09/24
			$\sigma$	1.902	1.881	-1.10%	± 5	
	2450MHz	22.0	$\epsilon_r$	52.70	54.46	3.34%	± 5	
			$\sigma$	1.950	1.980	1.54%	± 5	
	2500MHz	22.0	$\epsilon_r$	52.64	53.61	1.84%	± 5	
			$\sigma$	2.021	2.016	-0.25%	± 5	

Table 6. Measured Tissue dielectric parameters for body phantoms -3

### 7.3 Verification Summary

Prior to the assessment, the system validation kit was used to test whether the system was operating within its specifications of  $\pm 7\%$ . The verification was performed at 835, 1750, 1900 and 2450MHz.

Mixture Type	Frequency (MHz)	Power	SAR <sub>1g</sub> (W/Kg)	SAR <sub>10g</sub> (W/Kg)	Drift (dB)	Difference percentage		Probe Model / Serial No.	Dipole Model / Serial No.	1W Target		Date
						1g	10g			SAR <sub>1g</sub> (W/Kg)	SAR <sub>10g</sub> (W/Kg)	
Head	835	250 mW	2.23	1.46	-0.11	-4.20%	-3.20%	EX3DV4 SN:3977	D835V2 SN:4d082	9.31	6.03	Sep. 09, 2014
		Normalize to 1 Watt	8.92	5.84								
Head	835	250 mW	2.33	1.52	-0.17	0.10%	0.80%	EX3DV4 SN:3977	D835V2 SN:4d082	9.31	6.03	Sep. 10, 2014
		Normalize to 1 Watt	9.32	6.08								
Head	835	250 mW	2.36	1.54	-0.03	1.40%	2.20%	EX3DV4 SN:3977	D835V2 SN:4d082	9.31	6.03	Sep. 11, 2014
		Normalize to 1 Watt	9.44	6.16								
Head	1750	250 mW	9.14	4.74	-0.16	-0.40%	-2.80%	EX3DV4 SN:3977	D1750V2 SN:1023	36.70	19.50	Sep. 15, 2014
		Normalize to 1 Watt	36.56	18.96								
Head	1900	250 mW	9.92	5.16	-0.1	-2.30%	-2.60%	EX3DV4 SN:3977	D1900V2 SN:5d111	40.60	21.20	Sep. 12, 2014
		Normalize to 1 Watt	39.68	20.64								
Head	2450	250 mW	13.30	6.12	-0.13	2.30%	0.70%	EX3DV4 SN:3977	D2450V2 SN:712	52.00	24.30	Sep. 19, 2014
		Normalize to 1 Watt	53.20	24.48								
Head	2450	250 mW	12.50	5.82	0	-3.80%	-4.20%	EX3DV4 SN:3977	D2450V2 SN:712	52.00	24.30	Sep. 22, 2014
		Normalize to 1 Watt	50.00	23.28								

Mixture Type	Frequency (MHz)	Power	SAR <sub>1g</sub> (W/Kg)	SAR <sub>10g</sub> (W/Kg)	Drift (dB)	Difference percentage		Probe Model / Serial No.	Dipole Model / Serial No.	1W Target		Date
						1g	10g			SAR <sub>1g</sub> (W/Kg)	SAR <sub>10g</sub> (W/Kg)	
Body	835	250 mW	2.39	1.58	-0.01	0.60%	0.80%	EX3DV4 SN:3977	D835V2 SN:4d082	9.50	6.27	Sep. 04, 2014
		Normalize to 1 Watt	9.56	6.32								
Body	835	250 mW	2.43	1.60	-0.1	2.30%	2.10%	EX3DV4 SN:3977	D835V2 SN:4d082	9.50	6.27	Sep. 05, 2014
		Normalize to 1 Watt	9.72	6.40								
Body	835	250 mW	2.46	1.62	-0.18	3.60%	3.30%	EX3DV4 SN:3977	D835V2 SN:4d082	9.50	6.27	Sep. 10, 2014
		Normalize to 1 Watt	9.84	6.48								
Body	835	250 mW	2.39	1.57	-0.02	0.60%	0.20%	EX3DV4 SN:3977	D835V2 SN:4d082	9.50	6.27	Sep. 11, 2014
		Normalize to 1 Watt	9.56	6.28								
Body	1750	250 mW	9.62	5.05	-0.12	1.50%	-1.00%	EX3DV4 SN:3977	D1750V2 SN:1023	37.90	20.40	Sep. 14, 2014
		Normalize to 1 Watt	38.48	20.20								
Body	1900	250 mW	10.00	5.23	-0.19	-1.00%	-2.70%	EX3DV4 SN:3977	D1900V2 SN:5d111	40.40	21.50	Sep. 13, 2014
		Normalize to 1 Watt	40.00	20.92								
Body	2450	250 mW	12.30	5.81	0.05	-2.20%	-1.10%	EX3DV4 SN:3977	D2450V2 SN:712	50.30	23.50	Sep. 22, 2014
		Normalize to 1 Watt	49.20	23.24								
Body	2450	250 mW	12.20	5.68	-0.01	-3.00%	-3.30%	EX3DV4 SN:3977	D2450V2 SN:712	50.30	23.50	Sep. 24, 2014
		Normalize to 1 Watt	48.80	22.72								

## 7.4 Validation Summary

Per FCC KDB 865664 D02v01, SAR system validation status should be documented to confirm measurement accuracy. The SAR systems (including SAR probes, system components and software versions) used for this device were validated against its performance specifications prior to the SAR measurements. Reference dipoles were used with the required tissue- equivalent media for system validation, according to the procedures outlined in IEEE 1528-2013 and FCC KDB 865664 D01v01r03. Since SAR probe calibrations are frequency dependent, each probe calibration point was validated at a frequency within the valid frequency range of the probe calibration point, using the system that normally operates with the probe for routine SAR measurements and according to the required tissue-equivalent media.

A tabulated summary of the system validation status including the validation date(s), measurement frequencies, SAR probes and tissue dielectric parameters as below.

Probe Type Model / Serial No.	Prob Cal. Point (MHz)	Head / Body	Cond.	Perm.	CW Validation			Mod. Validation			Date
			$\epsilon_r$	$\sigma$	Sensitivity	Probe	Probe	Mod. Type	Duty Factor	PAR	
						Linearity	Isotropy				
EX3DV4 SN:3977	835	Head	42.40	0.906	Pass	Pass	Pass	GMSK	Pass	N/A	Sep. 09, 2014
EX3DV4 SN:3977	835	Head	42.40	0.906	Pass	Pass	Pass	GMSK	Pass	N/A	Sep. 10, 2014
EX3DV4 SN:3977	835	Head	42.40	0.906	Pass	Pass	Pass	GMSK	Pass	N/A	Sep. 11, 2014
EX3DV4 SN:3977	835	Body	55.29	0.990	Pass	Pass	Pass	GMSK	Pass	N/A	Sep. 04, 2014
EX3DV4 SN:3977	835	Body	55.29	0.990	Pass	Pass	Pass	GMSK	Pass	N/A	Sep. 05, 2014
EX3DV4 SN:3977	835	Body	55.29	0.990	Pass	Pass	Pass	GMSK	Pass	N/A	Sep. 10, 2014
EX3DV4 SN:3977	835	Body	55.29	0.990	Pass	Pass	Pass	GMSK	Pass	N/A	Sep. 11, 2014
EX3DV4 SN:3977	1750	Head	41.10	1.419	Pass	Pass	Pass	GMSK	Pass	N/A	Sep. 15, 2014
EX3DV4 SN:3977	1750	Body	54.71	1.517	Pass	Pass	Pass	GMSK	Pass	N/A	Sep. 14, 2014
EX3DV4 SN:3977	1900	Head	40.70	1.392	Pass	Pass	Pass	GMSK	Pass	N/A	Sep. 12, 2014
EX3DV4 SN:3977	1900	Body	52.46	1.475	Pass	Pass	Pass	GMSK	Pass	N/A	Sep. 13, 2014
EX3DV4 SN:3977	2450	Head	38.36	1.840	Pass	Pass	Pass	OFDM	N/A	Pass	Sep. 19, 2014
EX3DV4 SN:3977	2450	Head	38.36	1.840	Pass	Pass	Pass	OFDM	N/A	Pass	Sep. 22, 2014
EX3DV4 SN:3977	2450	Body	54.46	1.980	Pass	Pass	Pass	OFDM	N/A	Pass	Sep. 22, 2014
EX3DV4 SN:3977	2450	Body	54.46	1.980	Pass	Pass	Pass	OFDM	N/A	Pass	Sep. 24, 2014



## 8. Test Equipment List

Manufacturer	Name of Equipment	Type/Model	Serial Number	Calibration	
				Last Cal.	Due Date
SPEAG	835MHz System Validation Kit	D835V2	4d082	Jul. 23, 2014	Jul. 23, 2015
SPEAG	1750MHz System Validation Kit	D1750V2	1023	Jun. 17, 2014	Jun. 17, 2015
SPEAG	1900MHz System Validation Kit	D1900V2	5d111	Jul. 23, 2014	Jul. 23, 2015
SPEAG	2450MHz System Validation Kit	D2450V2	712	Mar. 04, 2014	Mar. 04, 2015
SPEAG	Dosimetric E-Field Probe	EX3DV4	3977	Feb. 17, 2014	Feb. 17, 2015
SPEAG	Data Acquisition Electronics	DAE4	779	Feb. 25, 2014	Feb. 25, 2015
SPEAG	Device Holder	N/A	N/A	NCR	
SPEAG	Measurement Server	SE UMS 011 AA	1025	NCR	
SPEAG	Phantom	SAM V4.0	TP-1150	NCR	
SPEAG	Robot	Staubli TX90XL	F07/564ZA1/C/01	NCR	
SPEAG	Software	DASY52 V52.8 (7)	N/A	NCR	
SPEAG	Software	SEMCAD X V14.6.10 (7164)	N/A	NCR	
Agilent	Dielectric Probe Kit	85070C	US99360094	NCR	
Agilent	ENA Series Network Analyzer	E5071B	MY42404655	Apr. 10, 2014	Apr. 10, 2015
R&S	Power Sensor	NRP-Z22	100179	May 20, 2014	May 20, 2015
Agilent	MXF-G-B RF Vector Signal Generator	N5182B	MY53050382	May 30, 2014	May 30, 2015
Agilent	Dual Directional Coupler	778D	50334	NCR	
Mini-Circuits	Power Amplifier	ZHL-42W-SMA	D111103#5	NCR	
Mini-Circuits	Power Amplifier	ZVE-8G-SMA	D042005 671800514	NCR	
Aisi	Attenuator	IEAT 3dB	N/A	NCR	

Table 7. Test Equipment List

## **9. *Measurement Uncertainty***

Measurement uncertainties in SAR measurements are difficult to quantify due to several variables including biological, physiological, and environmental. However, we estimate the measurement uncertainties in SAR to be less than  $\pm 19.62\%$  [ 8 ]. The frequency range of the measurement uncertainty is 750 ~ 5800MHz  $\pm 10.1\%$

According to Std. C95.3 [ 9 ], the overall uncertainties are difficult to assess and will vary with the type of meter and usage situation. However, accuracy's of  $\pm 1$  to 3 dB can be expected in practice, with greater uncertainties in near-field situations and at higher frequencies (shorter wavelengths), or areas where large reflecting objects are present. Under optimum measurement conditions, SAR measurement uncertainties of at least  $\pm 2$ dB can be expected.

Item	Uncertainty Component	Uncertainty Value	Prob. Dist	Div.	$c_i$ (1g)	$c_i$ (10g)	Std. Unc. (1-g)	Std. Unc. (10-g)	$V_i$ or $V_{eff}$
Measurement System									
u1	Probe Calibration ( $k=1$ )	$\pm 5.05\%$	Normal	1	1	1	$\pm 5.05\%$	$\pm 5.05\%$	$\infty$
u2	Probe Isotropy	$\pm 7.6\%$	Rectangular	$\sqrt{3}$	0.7	0.7	$\pm 3.1\%$	$\pm 3.1\%$	$\infty$
u3	Boundary Effect	$\pm 1.0\%$	Rectangular	$\sqrt{3}$	1	1	$\pm 0.6\%$	$\pm 0.6\%$	$\infty$
u4	Linearity	$\pm 4.7\%$	Rectangular	$\sqrt{3}$	1	1	$\pm 2.7\%$	$\pm 2.7\%$	$\infty$
u5	System Detection Limit	$\pm 1.0\%$	Rectangular	$\sqrt{3}$	1	1	$\pm 0.58\%$	$\pm 0.58\%$	$\infty$
u6	Readout Electronics	$\pm 0.3\%$	Normal	1	1	1	$\pm 0.3\%$	$\pm 0.3\%$	$\infty$
u7	Response Time	$\pm 0.8\%$	Rectangular	$\sqrt{3}$	1	1	$\pm 0.5\%$	$\pm 0.5\%$	$\infty$
u8	Integration Time	$\pm 2.6\%$	Rectangular	$\sqrt{3}$	1	1	$\pm 1.5\%$	$\pm 1.5\%$	$\infty$
u9	RF Ambient Conditions	$\pm 0\%$	Rectangular	$\sqrt{3}$	1	1	$\pm 0\%$	$\pm 0\%$	$\infty$
u10	RF Ambient Reflections	$\pm 0\%$	Rectangular	$\sqrt{3}$	1	1	$\pm 0\%$	$\pm 0\%$	$\infty$
u11	Probe Positioner Mechanical Tolerance	$\pm 0.4\%$	Rectangular	$\sqrt{3}$	1	1	$\pm 0.2\%$	$\pm 0.2\%$	$\infty$
u12	Probe Positioning with respect to Phantom Shell	$\pm 2.9\%$	Rectangular	$\sqrt{3}$	1	1	$\pm 1.7\%$	$\pm 1.7\%$	$\infty$
u13	Extrapolation, interpolation and integration Algorithms for Max. SAR Evaluation	$\pm 1.0\%$	Rectangular	$\sqrt{3}$	1	1	$\pm 0.6\%$	$\pm 0.6\%$	$\infty$
Test sample Related									
u14	Test sample Positioning	$\pm 3.6\%$	Normal	1	1	1	$\pm 3.6\%$	$\pm 3.6\%$	89
u15	Device Holder Uncertainty	$\pm 3.5\%$	Normal	1	1	1	$\pm 3.5\%$	$\pm 3.5\%$	5
u16	Output Power Variation - SAR drift measurement	$\pm 5.0\%$	Rectangular	$\sqrt{3}$	1	1	$\pm 2.9\%$	$\pm 2.9\%$	$\infty$
Phantom and Tissue Parameters									
u17	Phantom Uncertainty ( shape and thickness tolerances)	$\pm 4.0\%$	Rectangular	$\sqrt{3}$	1	1	$\pm 2.3\%$	$\pm 2.3\%$	$\infty$
u18	Liquid Conductivity - deviation from target values	$\pm 5.0\%$	Rectangular	$\sqrt{3}$	0.64	0.43	$\pm 1.8\%$	$\pm 1.2\%$	$\infty$
u19	Liquid Conductivity - measurement uncertainty	$\pm 1.93\%$	Normal	1	0.64	0.43	$\pm 1.24\%$	$\pm 0.83\%$	69
u20	Liquid Permittivity - deviation from target values	$\pm 5.0\%$	Rectangular	$\sqrt{3}$	0.6	0.49	$\pm 1.7\%$	$\pm 1.4\%$	$\infty$
u21	Liquid Permittivity - measurement uncertainty	$\pm 1.4\%$	Normal	1	0.6	0.49	$\pm 0.84\%$	$\pm 1.69\%$	69
Combined standard uncertainty			RSS				$\pm 9.81\%$	$\pm 9.62\%$	313
Expanded uncertainty (95% CONFIDENCE LEVEL )			$k=2$				$\pm 19.62\%$	$\pm 19.24\%$	

Table 8. Uncertainty Budget of DASY

## **10. Measurement Procedure**

The measurement procedures are as follows:

1. For WLAN function, engineering testing software installed on Notebook can provide continuous transmitting signal.
2. Measure output power through RF cable and power meter
3. Set scan area, grid size and other setting on the DASY software
4. Find out the largest SAR result on these testing positions of each band
5. Measure SAR results for other channels in worst SAR testing position if the SAR of highest power channel is larger than 0.8 W/kg

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

1. Power reference measurement
2. Area scan
3. Zoom scan
4. Power drift measurement

### **10.1 Spatial Peak SAR Evaluation**

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

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

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

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

## 10.2 Area & Zoom Scan Procedures

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

Grid Type	Frequency		Step size (mm)			X*Y*Z (Point)	Cube size			Step size		
			X	Y	Z		X	Y	Z	X	Y	Z
uniform grid	$\leq 3\text{GHz}$	$\leq 2\text{GHz}$	$\leq 8$	$\leq 8$	$\leq 5$	5*5*7	32	32	30	8	8	5
		2G - 3G	$\leq 5$	$\leq 5$	$\leq 5$	7*7*7	30	30	30	5	5	5
	3 - 6GHz	3 - 4GHz	$\leq 5$	$\leq 5$	$\leq 4$	7*7*8	30	30	28	5	5	4
		4 - 5GHz	$\leq 4$	$\leq 4$	$\leq 3$	8*8*10	28	28	27	4	4	3
		5 - 6GHz	$\leq 4$	$\leq 4$	$\leq 2$	8*8*12	28	28	22	4	4	2

(Our measure settings are refer KDB Publication 865664 D01v01)

## 10.3 Volume Scan Procedures

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

## 10.4 SAR Averaged Methods

In DASY, the interpolation and extrapolation are both based on the modified Quadratic Shepard's method. The interpolation scheme combines a least-square fitted function method and a weighted average method which are the two basic types of computational interpolation and approximation. Extrapolation routines are used to obtain SAR values between the lowest measurement points and the inner phantom surface. The extrapolation distance is determined by the surface detection distance and the probe sensor offset. The uncertainty increases with the extrapolation distance. To keep the uncertainty within 1% for the 1 g and 10 g cubes, the extrapolation distance should not be larger than 5 mm.

## 10.5 Power Drift Monitoring

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

## 11. SAR Test Results Summary

### 11.1 Head Measurement SAR

Index	Position	Band	Ch.	Data Rate or Sub-Test	SIM	Spacing (mm)	SAR <sub>1g</sub> (W/Kg)	Power Drift	Burst Avg Power	Max tune-up	Reported SAR <sub>1g</sub> (W/Kg)
#8	RC	GSM 850	251	1D1U	1	0	0.355	0.03	33.22	33.5	0.379
#9	RT		251	1D1U	1	0	0.247	-0.07	33.22	33.5	0.263
#10	LC		251	1D1U	1	0	0.405	0.03	33.22	33.5	0.432
#11	LT		251	1D1U	1	0	0.234	-0.11	33.22	33.5	0.250
#12	RC	GPRS 850	190	3D2U	1	0	0.281	0.02	30.95	31.0	0.284
#13	RT		190	3D2U	1	0	0.198	0.04	30.95	31.0	0.200
#14	LC		190	3D2U	1	0	0.345	0.19	30.95	31.0	0.349
#15	LT		190	3D2U	1	0	0.192	0.01	30.95	31.0	0.194
#28	RC	DTM 850	128	2D3U	1	0	0.231	-0.15	28.74	29.0	0.245
#29	RT		128	2D3U	1	0	0.169	-0.09	28.74	29.0	0.179
#30	LC		128	2D3U	1	0	0.246	0.02	28.74	29.0	0.261
#31	LT		128	2D3U	1	0	0.144	-0.07	28.74	29.0	0.153
#71	RC	GSM 1900	810	1D1U	1	0	0.311	0.11	30.95	31.0	0.315
#72	RT		810	1D1U	1	0	0.091	0.03	30.95	31.0	0.092
#73	LC		810	1D1U	1	0	0.150	0.14	30.95	31.0	0.152
#74	LT		810	1D1U	1	0	0.123	0.09	30.95	31.0	0.124
#75	RC	GPRS 1900	810	2D3U	1	0	0.300	-0.07	26.93	27.0	0.305
#76	RT		810	2D3U	1	0	0.081	-0.02	26.93	27.0	0.082
#77	LC		810	2D3U	1	0	0.146	-0.03	26.93	27.0	0.148
#78	LT		810	2D3U	1	0	0.118	-0.06	26.93	27.0	0.120
#79	RC	DTM 1900	810	2D3U	1	0	0.240	-0.04	26.77	27.0	0.253
#80	RT		810	2D3U	1	0	0.076	0.06	26.77	27.0	0.080
#81	LC		810	2D3U	1	0	0.114	0.02	26.77	27.0	0.120
#82	LT		810	2D3U	1	0	0.104	0.10	26.77	27.0	0.110

- Note: 1. According KDB 447498 D01 V05r02 section 4.1.4, the "Reported" explanation as below:  
 "When SAR or MPE is measured at or scaled to the maximum tune-up tolerance limit, the results are referred to as reported."
2. If the Channel's SAR<sub>1g</sub> of maximum conducted power is > 0.8 mW/g, low, middle and high channel are supposed to be tested.
3. SIM 1 is only usable with WWan antenna 1 and SIM interface 2 with WWAN antenna 2.

Index.	Position	Band	Ch.	Data Rate or Sub-Test	SIM	Spacing (mm)	SAR <sub>1g</sub> (W/Kg)	Power Drift	Burst Avg Power	Max tune-up	Reported SAR <sub>1g</sub> (W/Kg)
#59	RC	GSM 850	251	1D1U	2	0	0.153	0.13	33.07	33.5	0.169
#60	RT		251	1D1U	2	0	0.104	0.04	33.07	33.5	0.115
#61	LC		251	1D1U	2	0	0.212	-0.04	33.07	33.5	0.234
#62	LT		251	1D1U	2	0	0.173	-0.01	33.07	33.5	0.191
#63	RC	GPRS 850	190	3D2U	2	0	0.117	0.02	30.77	31.0	0.123
#64	RT		190	3D2U	2	0	0.091	0.06	30.77	31.0	0.096
#65	LC		190	3D2U	2	0	0.160	-0.19	30.77	31.0	0.169
#66	LT		190	3D2U	2	0	0.137	0.08	30.77	31.0	0.144
#67	RC	DTM 850	128	2D3U	2	0	0.084	0.10	28.56	29.0	0.093
#68	RT		128	2D3U	2	0	0.070	0.06	28.56	29.0	0.077
#69	LC		128	2D3U	2	0	0.112	0.12	28.56	29.0	0.124
#70	LT		128	2D3U	2	0	0.090	0.12	28.56	29.0	0.100
#95	RC	GSM 1900	810	1D1U	2	0	0.258	0.01	30.80	31.0	0.270
#96	RT		810	1D1U	2	0	0.246	-0.01	30.80	31.0	0.258
#97	LC		810	1D1U	2	0	0.535	0.13	30.80	31.0	0.560
#98	LT		810	1D1U	2	0	0.408	0.01	30.80	31.0	0.427
#99	RC	GPRS 1900	810	2D3U	2	0	0.201	0.03	26.74	27.0	0.213
#100	RT		810	2D3U	2	0	0.185	-0.07	26.74	27.0	0.196
#101	LC		810	2D3U	2	0	0.504	0.04	26.74	27.0	0.535
#102	LT		810	2D3U	2	0	0.407	-0.01	26.74	27.0	0.432
#103	RC	DTM 1900	810	2D3U	2	0	0.180	0.19	26.60	27.0	0.197
#104	RT		810	2D3U	2	0	0.194	0.04	26.60	27.0	0.213
#105	LC		810	2D3U	2	0	0.438	0.10	26.60	27.0	0.480
#106	LT		810	2D3U	2	0	0.273	-0.01	26.60	27.0	0.299

- Note: 1. According KDB 447498 D01 V05r02 section 4.1.4, the "Reported" explanation as below:  
 "When SAR or MPE is measured at or scaled to the maximum tune-up tolerance limit, the results are referred to as reported."
2. If the Channel's SAR 1g of maximum conducted power is > 0.8 mW/g, low, middle and high channel are supposed to be tested.
3. SIM 1 is only usable with WWan antenna 1 and SIM interface 2 with WWAN antenna 2.

Index.	Position	Band	Ch.	Data Rate or Sub-Test	SIM	Spacing (mm)	SAR <sub>1g</sub> (W/Kg)	Power Drift	Burst Avg Power	Max tune-up	Reported SAR <sub>1g</sub> (W/Kg)
#91	RC	WCDMA Band II	9262	RMC12.2K	---	0	0.414	0.06	23.77	24.0	0.437
#92	RT		9262	RMC12.2K	---	0	0.093	0.17	23.77	24.0	0.098
#93	LC		9262	RMC12.2K	---	0	0.220	-0.19	23.77	24.0	0.232
#94	LT		9262	RMC12.2K	---	0	0.148	0.11	23.77	24.0	0.156
#16	RC	WCDMA Band V	4183	RMC12.2K	---	0	0.201	-0.06	23.58	24.0	0.221
#17	RT		4183	RMC12.2K	---	0	0.150	0.08	23.58	24.0	0.165
#18	LC		4183	RMC12.2K	---	0	0.247	-0.17	23.58	24.0	0.272
#19	LT		4183	RMC12.2K	---	0	0.137	-0.07	23.58	24.0	0.151

- Note: 1. According KDB 447498 D01 V05r02 section 4.1.4, the "Reported" explanation as below:  
 "When SAR or MPE is measured at or scaled to the maximum tune-up tolerance limit, the results are referred to as reported."
2. If the Channel's SAR<sub>1g</sub> of maximum conducted power is > 0.8 mW/g, low, middle and high channel are supposed to be tested.
  3. HSDPA & HSUPA power are not more than WCDMA 0.25dB and the SAR value of WCDMA <1.2 mW/g therefore HSDPA & HSUPA Stand-alone SAR is not required.
  4. SIM 1 is only usable with WWan antenna 1 and SIM interface 2 with WWAN antenna 2.



Index.	Position	Band	Ch.	BW (MHz)	Modulation	RB		Side to Phantom	Spacing (mm)	SAR <sub>1g</sub> (W/Kg)	Power Drift	Burst Avg Power	Max tune-up	Reported SAR <sub>1g</sub>
						Size	Offset							
#83	RC	LTE Band 2	18900	20	QPSK	1	0	1	0	0.498	0.08	23.29	23.5	0.523
#87	RC		18900	20	QPSK	50	0	1	0	0.387	0.12	22.52	23.5	0.485
#84	RT		18900	20	QPSK	1	0	1	0	0.135	0.04	23.29	23.5	0.142
#88	RT		18900	20	QPSK	50	0	1	0	0.107	0.04	22.52	23.5	0.134
#85	LC		18900	20	QPSK	1	0	1	0	0.245	0.17	23.29	23.5	0.257
#89	LC		18900	20	QPSK	50	0	1	0	0.164	0.18	22.52	23.5	0.206
#86	LT		18900	20	QPSK	1	0	1	0	0.190	-0.13	23.29	23.5	0.199
#90	LT		18900	20	QPSK	50	0	1	0	0.151	0.04	22.52	23.5	0.189
#158	RC	LTE Band 4	20300	20	QPSK	1	0	1	0	0.691	0.12	23.47	23.5	0.696
#162	RC		20300	20	QPSK	50	0	1	0	0.554	0.01	22.63	23.5	0.677
#159	RT		20300	20	QPSK	1	0	1	0	0.244	0.04	23.47	23.5	0.246
#163	RT		20300	20	QPSK	50	0	1	0	0.189	0.01	22.63	23.5	0.231
#160	LC		20300	20	QPSK	1	0	1	0	0.423	-0.06	23.47	23.5	0.426
#164	LC		20300	20	QPSK	50	0	1	0	0.337	0.06	22.63	23.5	0.412
#161	LT		20300	20	QPSK	1	0	1	0	0.263	0.07	23.47	23.5	0.265
#165	LT		20300	20	QPSK	50	0	1	0	0.211	-0.06	22.63	23.5	0.258
#20	RC	LTE Band 5	20450	10	QPSK	1	0	1	0	0.252	0.12	23.29	23.5	0.264
#24	RC		20450	10	QPSK	25	0	1	0	0.192	0.10	22.34	23.5	0.251
#21	RT		20450	10	QPSK	1	0	1	0	0.207	-0.17	23.29	23.5	0.217
#25	RT		20450	10	QPSK	25	0	1	0	0.143	0.12	22.34	23.5	0.187
#22	LC		20450	10	QPSK	1	0	1	0	0.292	0.19	23.29	23.5	0.306
#26	LC		20450	10	QPSK	25	0	1	0	0.221	0.14	22.34	23.5	0.289
#23	LT		20450	10	QPSK	1	0	1	0	0.170	-0.11	23.29	23.5	0.178
#27	LT		20450	10	QPSK	25	0	1	0	0.132	0.02	22.34	23.5	0.172

- Note: 1. According KDB 447498 D01 V05r02 section 4.1.4, the "Reported" explanation as below:  
 "When SAR or MPE is measured at or scaled to the maximum tune-up tolerance limit, the results are referred to as reported."
2. If the Channel's SAR<sub>1g</sub> of maximum conducted power is > 0.8 mW/g, low, middle and high channel are supposed to be tested.
3. SIM 1 is only usable with WWan antenna 1 and SIM interface 2 with WWAN antenna 2.

Index.	Position	Band	Ch.	Data Rate or Sub-Test	Side to Phantom	Spacing (mm)	SAR <sub>1g</sub> (W/Kg)	Power Drift	Burst Avg Power	Max tune-up	Reported SAR <sub>1g</sub> (W/Kg)
#166	RC	IEEE 802.11b	1	1M	---	0	0.066	0.04	12.20	12.5	0.071
#167	RT		1	1M	---	0	0.057	-0.15	12.20	12.5	0.061
#168	LC		1	1M	---	0	0.015	-0.08	12.20	12.5	0.016
#169	LT		1	1M	---	0	0.015	0.18	12.20	12.5	0.016
#170	RC	IEEE 802.11g	6	6M	---	0	0.196	-0.17	16.19	16.5	0.211
#171	RT		6	6M	---	0	0.182	-0.03	16.19	16.5	0.195
#172	LC		6	6M	---	0	0.046	-0.12	16.19	16.5	0.049
#173	LT		6	6M	---	0	0.049	-0.11	16.19	16.5	0.053
#174	RC	IEEE 802.11n (20MHz)	6	6.5M	---	0	0.170	0.01	14.52	15.0	0.190
#175	RT		6	6.5M	---	0	0.141	-0.02	14.52	15.0	0.157
#176	LC		6	6.5M	---	0	0.025	0.05	14.52	15.0	0.028
#177	LT		6	6.5M	---	0	0.035	-0.08	14.52	15.0	0.039

- Note: 1. According KDB 447498 D01 V05r02 section 4.1.4, the “Reported” explanation as below:  
“When SAR or MPE is measured at or scaled to the maximum tune-up tolerance limit, the results are referred to as reported.”
2. If the Channel's SAR<sub>1g</sub> of maximum conducted power is > 0.8 mW/g, low, middle and high channel are supposed to be tested.
3. SIM 1 is only usable with WWan antenna 1 and SIM interface 2 with WWAN antenna 2.

## 11.2 Body Measurement SAR

Evaluated body SAR is not available.

## 11.3 Hot-spot mode Measurement SAR

Index.	Position	Band	Ch.	Data Rate or Sub-Test	Side to Phantom	Spacing (mm)	SIM	Accessory	SAR <sub>1g</sub> (W/Kg)	Power Drift	Burst Avg Power	Max tune-up	Reported SAR <sub>1g</sub> (W/Kg)
#1	Flat	GSM 850	251	1D1U	1	10	1	Headset	0.510	-0.05	33.22	33.5	0.544
#2	Flat		251	1D1U	2	10	1	Headset	0.540	-0.03	33.22	33.5	0.576
#3	Flat	GPRS 850	190	3D2U	1	10	1	---	0.416	-0.01	30.95	31.0	0.421
#4	Flat		190	3D2U	2	10	1	---	0.399	-0.03	30.95	31.0	0.404
#5	Flat		190	3D2U	4	10	1	---	0.091	-0.13	30.95	31.0	0.092
#6	Flat		190	3D2U	5	10	1	---	0.304	-0.10	30.95	31.0	0.308
#7	Flat		190	3D2U	6	10	1	---	0.156	-0.04	30.95	31.0	0.158
#32	Flat	DTM 850	128	2D3U	1	10	1	Headset	0.342	0.07	28.74	29.0	0.363
#33	Flat		128	2D3U	2	10	1	Headset	0.321	-0.03	28.74	29.0	0.341
#116	Flat	GSM 1900	810	1D1U	1	10	1	Headset	0.364	0.00	30.95	31.0	0.368
#117	Flat		810	1D1U	2	10	1	Headset	0.313	0.08	30.95	31.0	0.317
#118	Flat	GPRS 1900	810	2D3U	1	10	1	---	0.435	-0.18	26.93	27.0	0.442
#119	Flat		810	2D3U	2	10	1	---	0.327	-0.09	26.93	27.0	0.332
#120	Flat		810	2D3U	4	10	1	---	0.262	-0.11	26.93	27.0	0.266
#121	Flat		810	2D3U	5	10	1	---	0.046	-0.11	26.93	27.0	0.047
#122	Flat		810	2D3U	6	10	1	---	0.306	-0.13	26.93	27.0	0.311
#123	Flat	DTM 1900	810	2D3U	1	10	1	Headset	0.333	0.02	26.77	27.0	0.351
#124	Flat		810	2D3U	2	10	1	Headset	0.257	-0.08	26.77	27.0	0.271

- Note: 1. According KDB 447498 D01 V05r02 section 4.1.4, the "Reported" explanation as below:  
 "When SAR or MPE is measured at or scaled to the maximum tune-up tolerance limit, the results are referred to as reported."
2. If the Channel's SAR<sub>1g</sub> of maximum conducted power is > 0.8 mW/g, low, middle and high channel are supposed to be tested.
3. For hot-spot mode, the WWAN antenna1 location to edge >2.5 cm therefore test Side 3 are not required.
4. SIM 1 is only usable with WWan antenna 1 and SIM interface 2 with WWAN antenna 2.

Index.	Position	Band	Ch.	Data Rate or Sub-Test	Side to Phantom	Spacing (mm)	SIM	Accessory	SAR <sub>1g</sub> (W/Kg)	Power Drift	Burst Avg Power	Max tune-up	Reported SAR <sub>1g</sub> (W/Kg)
#50	Flat	GSM 850	251	1D1U	1	10	2	Headset	0.067	0.18	33.07	33.5	0.074
#51	Flat		251	1D1U	2	10	2	Headset	0.282	-0.18	33.07	33.5	0.311
#52	Flat	GPRS 850	190	3D2U	1	10	2	---	0.068	-0.02	30.77	31.0	0.072
#53	Flat		190	3D2U	2	10	2	---	0.306	0.11	30.77	31.0	0.323
#54	Flat		190	3D2U	3	10	2	---	0.048	0.01	30.77	31.0	0.051
#56	Flat		190	3D2U	6	10	2	---	0.152	-0.06	30.77	31.0	0.160
#57	Flat	DTM 850	128	2D3U	1	10	2	Headset	0.049	0.01	28.56	29.0	0.054
#58	Flat		128	2D3U	2	10	2	Headset	0.209	-0.02	28.56	29.0	0.231
#107	Flat	GSM 1900	810	1D1U	1	10	2	Headset	0.100	0.17	30.80	31.0	0.105
#108	Flat		810	1D1U	2	10	2	Headset	0.222	0.12	30.80	31.0	0.232
#109	Flat	GPRS 1900	810	2D3U	1	10	2	---	0.089	0.19	26.74	27.0	0.094
#110	Flat		810	2D3U	2	10	2	---	0.227	-0.06	26.74	27.0	0.241
#111	Flat		810	2D3U	3	10	2	---	0.070	-0.04	26.74	27.0	0.074
#113	Flat		810	2D3U	6	10	2	---	0.201	-0.13	26.74	27.0	0.213
#114	Flat	DTM 1900	810	2D3U	1	10	2	Headset	0.077	0.17	26.60	27.0	0.084
#115	Flat		810	2D3U	2	10	2	Headset	0.163	-0.03	26.60	27.0	0.179

Note: 1. According KDB 447498 D01 V05r02 section 4.1.4, the "Reported" explanation as below:

- "When SAR or MPE is measured at or scaled to the maximum tune-up tolerance limit, the results are referred to as reported."
- If the Channel's SAR<sub>1g</sub> of maximum conducted power is > 0.8 mW/g, low, middle and high channel are supposed to be tested.
- For hot-spot mode the WWAN antenna2 location to edge >2.5 cm therefore test Side 4 and Side5 are not required.
- SIM 1 is only usable with WWan antenna 1 and SIM interface 2 with WWAN antenna 2.

Index.	Position	Band	Ch.	Data Rate or Sub-Test	Side to Phantom	Spacing (mm)	Accessory	SAR <sub>1g</sub> (W/Kg)	Power Drift	Burst Avg Power	Max tune-up	Reported SAR <sub>1g</sub> (W/Kg)
#125	Flat	WCDMA Band II	9262	RMC12.2K	1	10	---	0.490	-0.18	23.77	24.0	0.517
#130	Flat		9262	RMC12.2K	1	10	Headset	0.469	-0.04	23.77	24.0	0.495
#126	Flat		9262	RMC12.2K	2	10	---	0.437	-0.06	23.77	24.0	0.461
#127	Flat		9262	RMC12.2K	4	10	---	0.271	-0.01	23.77	24.0	0.286
#128	Flat		9262	RMC12.2K	5	10	---	0.072	0.04	23.77	24.0	0.076
#129	Flat		9262	RMC12.2K	6	10	---	0.344	0.04	23.77	24.0	0.363
#34	Flat	WCDMA Band V	4183	RMC12.2K	1	10	---	0.261	0.05	23.58	24.0	0.288
#39	Flat		4183	RMC12.2K	2	10	Headset	0.337	-0.03	23.58	24.0	0.371
#35	Flat		4183	RMC12.2K	2	10	---	0.325	-0.01	23.58	24.0	0.358
#36	Flat		4183	RMC12.2K	4	10	---	0.065	-0.03	23.58	24.0	0.072
#37	Flat		4183	RMC12.2K	5	10	---	0.242	-0.10	23.58	24.0	0.267
#38	Flat		4183	RMC12.2K	6	10	---	0.121	-0.08	23.58	24.0	0.133

- Note: 1. According KDB 447498 D01 V05r02 section 4.1.4, the "Reported" explanation as below:  
 "When SAR or MPE is measured at or scaled to the maximum tune-up tolerance limit, the results are referred to as reported."
2. If the Channel's SAR 1g of maximum conducted power is > 0.8 mW/g, low, middle and high channel are supposed to be tested.
3. HSDPA & HSUPA power are not more than WCDMA 0.25dB and the SAR value of WCDMA <1.2 mW/g, therefore HSDPA & HSUPA Stand-alone SAR is not required.

Index.	Position	Band	Ch.	BW (MHz)	RB Size	RB Offset	Side to Phantom	Spacing (mm)	Accessory	SAR <sub>1g</sub> (W/Kg)	Power Drift	Burst Avg Power	Max tune-up	Reported SAR <sub>1g</sub> (W/Kg)
#131	Flat	LTE Band 2 (QPSK)	18900	20	1	0	1	10	---	0.657	-0.03	23.29	23.5	0.690
#132	Flat		18900	20	1	0	2	10	---	0.487	0.10	23.29	23.5	0.511
#133	Flat		18900	20	1	0	4	10	---	0.391	0.14	23.29	23.5	0.410
#134	Flat		18900	20	1	0	5	10	---	0.094	-0.15	23.29	23.5	0.099
#135	Flat		18900	20	1	0	6	10	---	0.420	-0.19	23.29	23.5	0.441
#136	Flat		18900	20	50	0	1	10	---	0.582	0.07	22.52	23.5	0.729
#137	Flat		18900	20	50	0	2	10	---	0.392	-0.11	22.52	23.5	0.491
#138	Flat		18900	20	50	0	4	10	---	0.315	-0.13	22.52	23.5	0.395
#139	Flat		18900	20	50	0	5	10	---	0.077	-0.19	22.52	23.5	0.096
#140	Flat		18900	20	50	0	6	10	---	0.348	-0.11	22.52	23.5	0.436
#151	Flat	LTE Band 4 (QPSK)	20050	20	1	0	1	10	---	0.829	-0.05	23.36	23.5	0.856
#156	Flat		20050	20	50	0	1	10	---	0.570	-0.10	22.56	23.5	0.708
#152	Flat		20175	20	1	0	1	10	---	0.845	0.00	23.38	23.5	0.869
#153	Flat		20175	20	1	0	1	10	Headset	0.875	-0.07	23.38	23.5	0.900
#157	Flat		20175	20	50	0	1	10	---	0.590	0.01	22.56	23.5	0.733
#141	Flat		20300	20	1	0	1	10	---	0.818	0.19	23.47	23.5	0.824
#142	Flat		20300	20	1	0	2	10	---	0.564	-0.16	23.47	23.5	0.568
#143	Flat		20300	20	1	0	4	10	---	0.307	-0.18	23.47	23.5	0.309
#144	Flat		20300	20	1	0	5	10	---	0.082	0.02	23.47	23.5	0.083
#145	Flat		20300	20	1	0	6	10	---	0.483	-0.06	23.47	23.5	0.486
#146	Flat		20300	20	50	0	1	10	---	0.681	-0.09	22.63	23.5	0.832
#147	Flat		20300	20	50	0	2	10	---	0.505	0.01	22.63	23.5	0.617
#148	Flat		20300	20	50	0	4	10	---	0.251	-0.11	22.63	23.5	0.307
#149	Flat		20300	20	50	0	5	10	---	0.070	-0.05	22.63	23.5	0.086
#150	Flat		20300	20	50	0	6	10	---	0.392	-0.12	22.63	23.5	0.479
#155	Flat		20300	20	100	0	1	10	---	0.597	-0.08	22.62	23.5	0.731

- Note: 1. According KDB 447498 D01 V05r02 section 4.1.4, the "Reported" explanation as below:  
 "When SAR or MPE is measured at or scaled to the maximum tune-up tolerance limit, the results are referred to as reported."
2. If the Channel's SAR<sub>1g</sub> of maximum conducted power is > 0.8 mW/g, low, middle and high channel are supposed to be tested.
3. If the Channel's Reported SAR<sub>1g</sub> of LTE Band is > 0.8 W/Kg, 100% RB of the channel are supposed to be tested.
4. For LTE body SAR, we perform worst case of LTE body SAR with accessories to do test.

Index.	Position	Band	Ch.	BW (MHz)	RB Size	RB Offset	Side to Phantom	Spacing (mm)	Accessory	SAR <sub>1g</sub> (W/Kg)	Power Drift	Burst Avg Power	Max tune-up	Reported SAR <sub>1g</sub> <sup>1</sup> (W/Kg)
#40	Flat	LTE Band 5 (QPSK)	20450	10	1	0	1	10	---	0.347	-0.04	23.29	23.5	0.364
#41	Flat		20450	10	1	0	2	10	---	0.368	0.14	23.29	23.5	0.386
#42	Flat		20450	10	1	0	4	10	---	0.072	-0.18	23.29	23.5	0.076
#43	Flat		20450	10	1	0	5	10	---	0.251	-0.04	23.29	23.5	0.263
#44	Flat		20450	10	1	0	6	10	---	0.167	-0.05	23.29	23.5	0.175
#45	Flat		20450	10	25	0	1	10	---	0.250	0.09	22.34	23.5	0.327
#46	Flat		20450	10	25	0	2	10	---	0.232	0.16	22.34	23.5	0.303
#47	Flat		20450	10	25	0	4	10	---	0.055	-0.15	22.34	23.5	0.072
#48	Flat		20450	10	25	0	5	10	---	0.184	-0.10	22.34	23.5	0.240
#49	Flat		20450	10	25	0	6	10	---	0.121	-0.10	22.34	23.5	0.158

- Note: 1. According KDB 447498 D01 V05r02 section 4.1.4, the "Reported" explanation as below:  
 "When SAR or MPE is measured at or scaled to the maximum tune-up tolerance limit, the results are referred to as reported."
2. If the Channel's SAR<sub>1g</sub> of maximum conducted power is > 0.8 mW/g, low, middle and high channel are supposed to be tested.
  3. If the Channel's Reported SAR<sub>1g</sub> of LTE Band is > 0.8 W/Kg, 100% RB of the channel are supposed to be tested.
  4. For LTE body SAR, we perform worst case of LTE body SAR with accessories to do test.

Index.	Position	Band	Ch.	Data Rate or Sub-Test	Side to Phantom	Spacing (mm)	Accessory	SAR <sub>1g</sub> (W/Kg)	Power Drift	Burst Avg Power	Max tune-up	Reported SAR <sub>1g</sub> (W/Kg)
#178	Flat	IEEE 802.11b	1	1M	1	10	---	0.016	0.00	12.20	12.5	0.017
#179	Flat		1	1M	2	10	---	0.027	-0.13	12.20	12.5	0.029
#180	Flat		1	1M	3	10	---	0.017	0.17	12.20	12.5	0.018
#181	Flat		1	1M	5	10	---	0.021	0.00	12.20	12.5	0.023
#182	Flat	IEEE 802.11g	6	6M	1	10	---	0.055	0.00	16.19	16.5	0.059
#183	Flat		6	6M	2	10	---	0.098	-0.15	16.19	16.5	0.105
#184	Flat		6	6M	3	10	---	0.062	0.11	16.19	16.5	0.067
#185	Flat		6	6M	5	10	---	0.083	-0.08	16.19	16.5	0.089
#186	Flat	IEEE 802.11n (20Hz)	6	6.5M	1	10	---	0.036	0.00	14.52	15.0	0.040
#187	Flat		6	6.5M	2	10	---	0.072	0.08	14.52	15.0	0.080
#188	Flat		6	6.5M	3	10	---	0.041	0.14	14.52	15.0	0.046
#189	Flat		6	6.5M	5	10	---	0.056	0.01	14.52	15.0	0.063
#190	Flat	Bluetooth v3.0	39	1M	1	10	---	0.004	0.00	8.31	8.5	0.005
#191	Flat		39	1M	2	10	---	0.012	-0.09	8.31	8.5	0.013
#192	Flat	Bluetooth v4.0 LE	19	---	1	10	---	0.003	0.09	0.71	0.8	0.003
#193	Flat		19	---	2	10	---	0.007	0.00	0.71	0.8	0.008

Note: 1. According KDB 447498 D01 V05r02 section 4.1.4, the "Reported" explanation as below:

- "When SAR or MPE is measured at or scaled to the maximum tune-up tolerance limit, the results are referred to as reported."
- If the Channel's SAR<sub>1g</sub> of maximum conducted power is > 0.8 mW/g, low, middle and high channel are supposed to be tested.
- For hot-spot mode, the WLAN antenna location to edge >2.5 cm therefore test Side 4 and Side 6 are not required.



## 11.4 Extremity Measurement SAR

Evaluated extremity SAR is not available.

## 11.5 SAR Measurement Variability

Detailed evaluations please refer KDB 865664 on "SAR test reduction according to KDB" section.

Index.	Position	Band	Ch.	BW (MHz)	RB Size	RB Offset	Number of times	Side to Phantom	Spacing (mm)	ASSY.	SAR <sub>1g</sub> (W/Kg)	Power Drift	Burst Avg Power	Max tune-up	Reported SAR <sub>1g</sub> (W/Kg)	Repeated measurement Ratio
#154	Flat	LTE Band 4 (QPSK)	20175	20	1	0	1	1	10	Headset	0.806	0.03	23.38	23.5	0.830	1.05<1.2

- Note: 1. According KDB 447498 D01 V05r02 section 4.1.4, the "Reported" explanation as below:  
"When SAR or MPE is measured at or scaled to the maximum tune-up tolerance limit, the results are referred to as reported."
2. The original highest measured Reported SAR<sub>1g</sub> is  $\geq 0.8$  W/kg, repeat that measurement once.
3. For LTE body SAR, we perform worst case of LTE body SAR with accessories to do test.

## 11.6 Std. C95.1-1999 RF Exposure Limit

Human Exposure	Population Uncontrolled Exposure ( W/kg ) or (mW/g)	Occupational Controlled Exposure ( W/kg ) or (mW/g)
Spatial Peak SAR* (head)	1.60	8.00
Spatial Peak SAR** (Whole Body)	0.08	0.40
Spatial Peak SAR*** (Partial-Body)	1.60	8.00
Spatial Peak SAR**** (Hands / Feet / Ankle / Wrist )	4.00	20.00

Table 9. Safety Limits for Partial Body Exposure

### Notes :

- \* The Spatial Peak value of the SAR averaged over any 1 gram of tissue.  
( defined as a tissue volume in the shape of a cube ) and over the appropriate averaging time.
- \*\* The Spatial Average value of the SAR averaged over the whole – body.
- \*\*\* The Spatial Average value of the SAR averaged over the partial – body.
- \*\*\*\* The Spatial Peak value of the SAR averaged over any 10 grams of tissue.  
( defined as a tissue volume in the shape of a cube ) and over the appropriate averaging time.

**Population / Uncontrolled Environments** : are defined as locations where there is the exposure of individuals 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 persons who are aware of the potential for exposure, (i.e. as a result of employment or occupation).

## 12. Conclusion

The SAR test values found for the portable mobile phone **DBI Innovations Limited Trade Name : Tonino Lamborghini Model(s) : 88 Tauri** is below the maximum recommended level of 1.6 W/kg (mW/g).

## 13. References

- [1] Std. C95.1-1999, "American National Standard safety levels with respect to human exposure to radio frequency electromagnetic fields, 300KHz to 100GHz", New York.
- [2] NCRP, National Council on Radiation Protection and Measurements, "Biological Effects and Exposure Criteria for Radio frequency Electromagnetic Fields", NCRP report NO. 86, 1986.
- [3] T. Schmid, O. Egger, and N. Kuster, "Automatic E-field scanning system for dosimetric assessments", IEEE Transactions on Microwave Theory and Techniques, vol. 44, pp, 105-113, Jan. 1996.
- [4] K. Pokovi<sup>c</sup>, T. Schmid, and N. Kuster, "Robust setup for precise calibration of E-field probes in tissue simulating liquids at mobile communications frequency", in ICECOM'97, Dubrovnik, October 15-17, 1997, pp.120-124.
- [5] K. Pokovi<sup>c</sup>, T. Schmid, and N. Kuster, "E-field probe with improved isotropy in brain simulating liquids", in Proceedings of the ELMAR, Zadar, Croatia, 23-25 June, 1996, pp.172-175.
- [6] N. Kuster, and Q. Balzano, "Energy absorption mechanism by biological bodies in the near field of dipole antennas above 300MHz", IEEE Transaction on Vehicular Technology, vol. 41, no. 1, Feb. 1992, pp. 17-23.
- [7] Robert J. Renka, "Multivariate Interpolation Of Large Sets Of Scattered Data", University of North Texas ACM Transactions on Mathematical Software, vol. 14, no. 2, June 1988 , pp. 139-148.
- [8] N. Kuster, R. Kastle, T. Schmid, Dosimetric evaluation of mobile communications equipment with known precision, IEEE Transaction on Communications, vol. E80-B, no. 5, May 1997, pp. 645-652.
- [9] Std. C95.3-1991, "IEEE Recommended Practice for the Measurement of Potentially Hazardous Electromagnetic Fields – RF and Microwave, New York: IEEE, Aug. 1992.
- [10] CENELEC CLC/SC111B, European Prestandard (prENV 50166-2), Human Exposure to Electromagnetic Fields High-frequency: 10KHz-300GHz, Jan. 1995.
- [11] IEEE Std 1528™-2013 - IEEE Recommended Practice for Determining the Peak Spatial-Average Specific Absorption Rate (SAR) in the Human Head From Wireless Communications Devices: Measurement Techniques
- [12] IEEE Std 1528a™-2005 (Amendment to IEEE Std 1528™-2013), IEEE Recommended Practice for Determining the Peak Spatial-Average Specific Absorption Rate (SAR) in the Human Head from Wireless Communications Devices: Measurement Techniques

## **14. SAR Measurement Guidance**

- [1] KDB 865664 D01 SAR measurement 100 MHz to 6 GHz v01r03
- [2] KDB 865664 D02 RF Exposure Reporting v01r01
- [3] KDB 447498 D01 General RF Exposure Guidance v05r02
- [4] KDB 248227 D01 SAR meas for 802 11 a b g v01r02.
- [5] KDB 648474 D04 Handset SAR v01r02
- [6] KDB 941225 D01 SAR test for 3G devices v02
- [7] KDB 941225 D02 Guidance PBA for 3GPP R6 HSPA v02r01
- [8] KDB 941225 D03 SAR Test Reduction GSM GPRS EDGE vo1
- [9] KDB 941225 D05 SAR for LTE Devices v02r01
- [10] KDB 941225 D06 Hotspot Mode SAR v01r01

## Appendix A - System Performance Check

Test Laboratory: A Test Lab Techno Corp.

Date: 2014/9/4 Time: PM 03:47:57

### System Performance Check at 835MHz\_20140904\_Body

**DUT: Dipole 835 MHz; Type: D835V2; Serial: D835V2 - SN:4d082**

Communication System: UID 0, CW (0); Frequency: 835 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 835 \text{ MHz}$ ;  $\sigma = 0.99 \text{ S/m}$ ;  $\epsilon_r = 55.294$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977; ConvF(9.74, 9.74, 9.74); Calibrated: 2014/2/17;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2014/2/25
- Phantom: SAM with CRP; Type: SAM; Serial: TP-1150 and higher
- Measurement SW: DASYS52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

### System Performance Check at 835MHz/Area Scan (61x121x1):

Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 3.21 W/kg

### System Performance Check at 835MHz/Zoom Scan (7x7x7)/Cube 0:

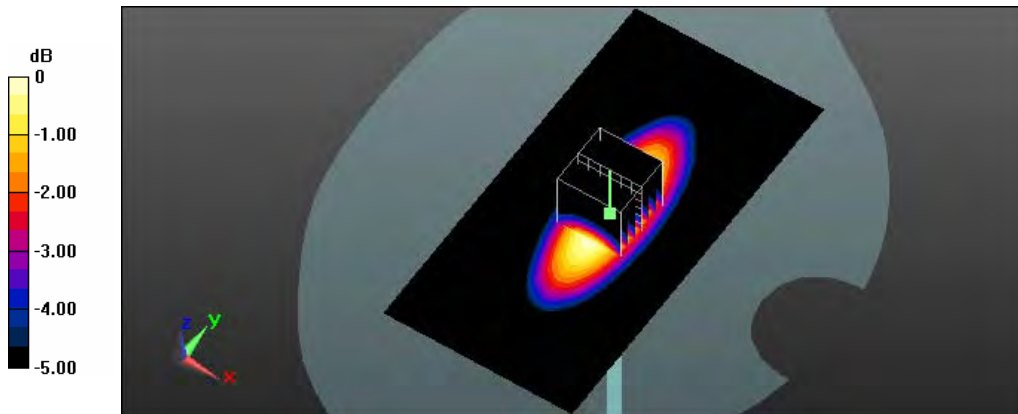
Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 57.049 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 3.53 W/kg

**SAR(1 g) = 2.39 W/kg; SAR(10 g) = 1.58 W/kg**

Maximum value of SAR (measured) = 3.03 W/kg



0 dB = 3.03 W/kg = 4.81 dBW/kg

Test Laboratory: A Test Lab Techno Corp.

Date: 2014/9/5 Time: PM 04:25:28

#### System Performance Check at 835MHz\_20140905\_Body

**DUT: Dipole 835 MHz; Type: D835V2; Serial: D835V2 - SN:4d082**

Communication System: UID 0, CW (0); Frequency: 835 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 835 \text{ MHz}$ ;  $\sigma = 0.99 \text{ S/m}$ ;  $\epsilon_r = 55.294$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977; ConvF(9.74, 9.74, 9.74); Calibrated: 2014/2/17;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2014/2/25
- Phantom: SAM with CRP; Type: SAM; Serial: TP-1150 and higher
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

#### System Performance Check at 835MHz/Area Scan (61x121x1):

Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 3.03 W/kg

#### System Performance Check at 835MHz/Zoom Scan (7x7x7)/Cube 0:

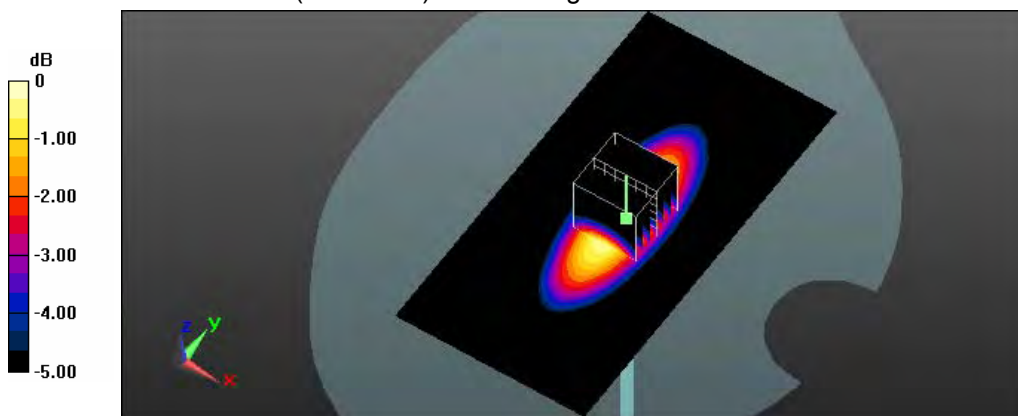
Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 55.544 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 3.58 W/kg

**SAR(1 g) = 2.43 W/kg; SAR(10 g) = 1.6 W/kg**

Maximum value of SAR (measured) = 3.07 W/kg



0 dB = 3.07 W/kg = 4.87 dBW/kg

Test Laboratory: A Test Lab Techno Corp.

Date: 2014/9/9 Time: AM 09:28:50

**System Performance Check at 835MHz\_20140909\_Head**

**DUT: Dipole 835 MHz; Type: D835V2; Serial: D835V2 - SN:4d082**

Communication System: UID 0, CW (0); Frequency: 835 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 835 \text{ MHz}$ ;  $\sigma = 0.906 \text{ S/m}$ ;  $\epsilon_r = 42.4$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977; ConvF(9.62, 9.62, 9.62); Calibrated: 2014/2/17;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2014/2/25
- Phantom: SAM with CRP; Type: SAM; Serial: TP-1150 and higher
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**System Performance Check at 835MHz/Area Scan (61x121x1):**

Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 2.82 W/kg

**System Performance Check at 835MHz/Zoom Scan (7x7x7)/Cube 0:**

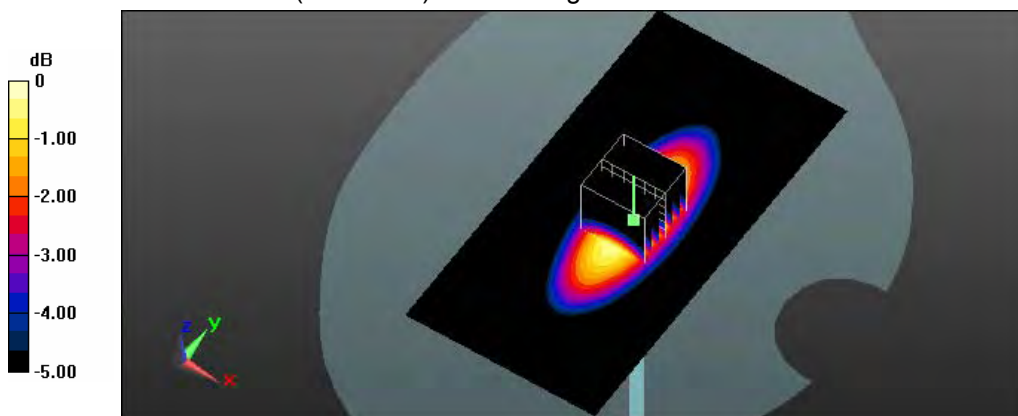
Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 55.683 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 3.36 W/kg

**SAR(1 g) = 2.23 W/kg; SAR(10 g) = 1.46 W/kg**

Maximum value of SAR (measured) = 2.84 W/kg



0 dB = 2.84 W/kg = 4.53 dBW/kg

Test Laboratory: A Test Lab Techno Corp.

Date: 2014/9/10 Time: AM 09:28:31

#### System Performance Check at 835MHz\_20140910\_Head

**DUT: Dipole 835 MHz; Type: D835V2; Serial: D835V2 - SN:4d082**

Communication System: UID 0, CW (0); Frequency: 835 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 835 \text{ MHz}$ ;  $\sigma = 0.906 \text{ S/m}$ ;  $\epsilon_r = 42.4$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977; ConvF(9.62, 9.62, 9.62); Calibrated: 2014/2/17;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2014/2/25
- Phantom: SAM with CRP; Type: SAM; Serial: TP-1150 and higher
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

#### System Performance Check at 835MHz/Area Scan (61x121x1):

Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 3.01 W/kg

#### System Performance Check at 835MHz/Zoom Scan (7x7x7)/Cube 0:

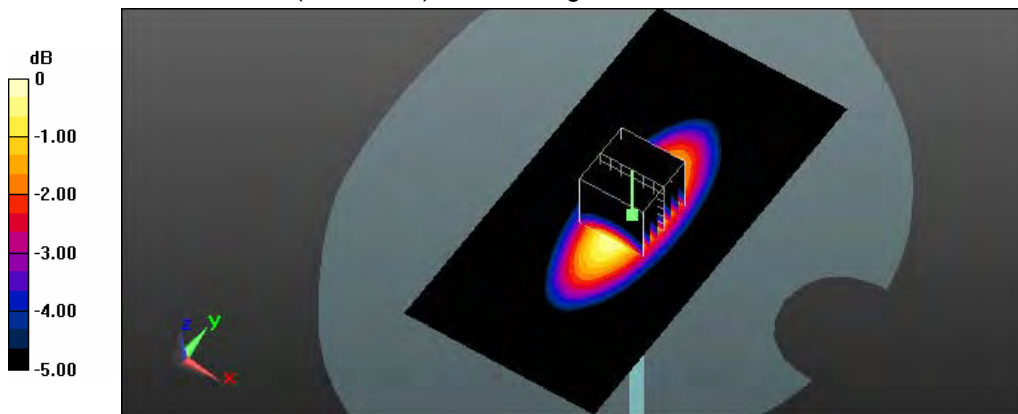
Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 58.438 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 3.52 W/kg

**SAR(1 g) = 2.33 W/kg; SAR(10 g) = 1.52 W/kg**

Maximum value of SAR (measured) = 2.97 W/kg



0 dB = 2.97 W/kg = 4.73 dBW/kg



Test Laboratory: A Test Lab Techno Corp.

Date: 2014/9/10 Time: PM 04:10:29

**System Performance Check at 835MHz\_20140910\_Body**

**DUT: Dipole 835 MHz; Type: D835V2; Serial: D835V2 - SN:4d082**

Communication System: UID 0, CW (0); Frequency: 835 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 835 \text{ MHz}$ ;  $\sigma = 0.99 \text{ S/m}$ ;  $\epsilon_r = 55.294$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977; ConvF(9.74, 9.74, 9.74); Calibrated: 2014/2/17;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2014/2/25
- Phantom: SAM with CRP; Type: SAM; Serial: TP-1150 and higher
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**System Performance Check at 835MHz/Area Scan (61x121x1):**

Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 3.11 W/kg

**System Performance Check at 835MHz/Zoom Scan (7x7x7)/Cube 0:**

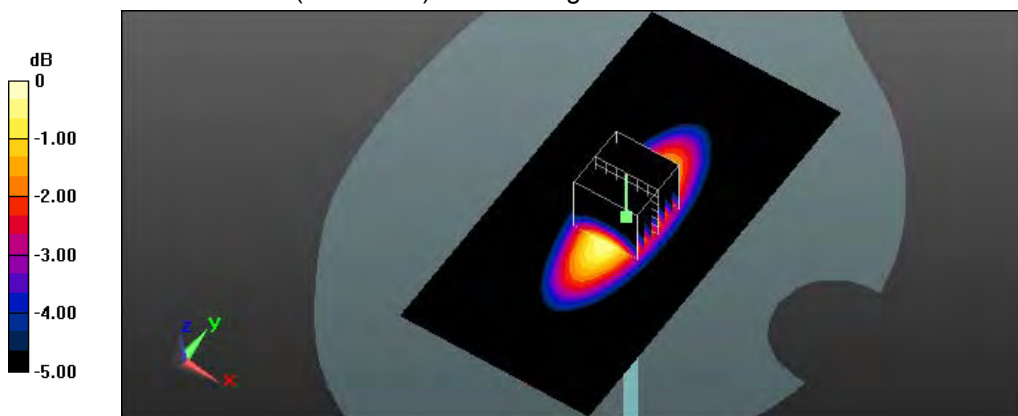
Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 57.185 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 3.63 W/kg

**SAR(1 g) = 2.46 W/kg; SAR(10 g) = 1.62 W/kg**

Maximum value of SAR (measured) = 3.10 W/kg



0 dB = 3.10 W/kg = 4.91 dBW/kg

Test Laboratory: A Test Lab Techno Corp.

Date: 2014/9/11 Time: PM 03:45:25

**System Performance Check at 835MHz\_20140911\_Body**

**DUT: Dipole 835 MHz; Type: D835V2; Serial: D835V2 - SN:4d082**

Communication System: UID 0, CW (0); Frequency: 835 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 835 \text{ MHz}$ ;  $\sigma = 0.99 \text{ S/m}$ ;  $\epsilon_r = 55.294$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977; ConvF(9.74, 9.74, 9.74); Calibrated: 2014/2/17;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2014/2/25
- Phantom: SAM with CRP; Type: SAM; Serial: TP-1150 and higher
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**System Performance Check at 835MHz/Area Scan (61x121x1):**

Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 3.08 W/kg

**System Performance Check at 835MHz/Zoom Scan (7x7x7)/Cube 0:**

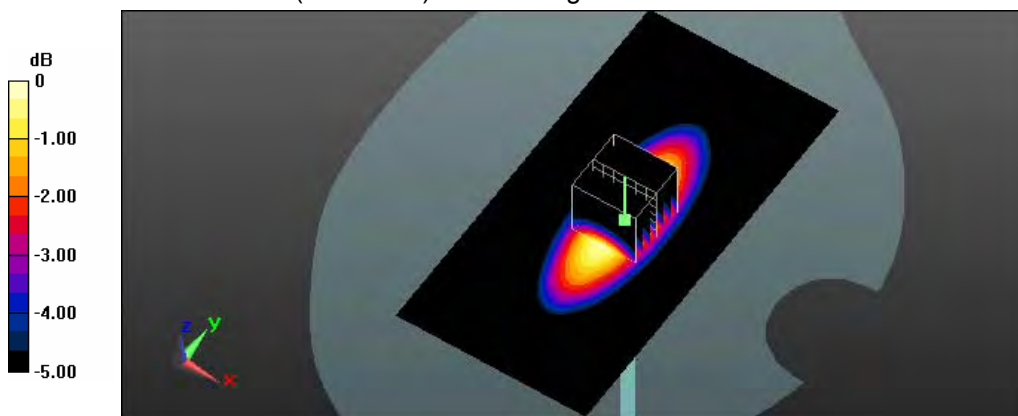
Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 56.190 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 3.52 W/kg

**SAR(1 g) = 2.39 W/kg; SAR(10 g) = 1.57 W/kg**

Maximum value of SAR (measured) = 3.02 W/kg



0 dB = 3.02 W/kg = 4.80 dBW/kg

Test Laboratory: A Test Lab Techno Corp.

Date: 2014/9/11Time: PM 08:10:37

#### System Performance Check at 835MHz\_20140911\_Head

**DUT: Dipole 835 MHz;Type: D835V2;Serial: D835V2 - SN:4d082**

Communication System: UID 0, CW (0);Frequency: 835 MHz;Duty Cycle: 1:1

Medium parameters used:  $f = 835 \text{ MHz}$ ;  $\sigma = 0.906 \text{ S/m}$ ;  $\epsilon_r = 42.4$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977;ConvF(9.62, 9.62, 9.62); Calibrated: 2014/2/17;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779;Calibrated: 2014/2/25
- Phantom: SAM with CRP;Type: SAM;Serial: TP-1150 and higher
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

#### System Performance Check at 835MHz/Area Scan (61x121x1):

Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 3.04 W/kg

#### System Performance Check at 835MHz/Zoom Scan (7x7x7)/Cube 0:

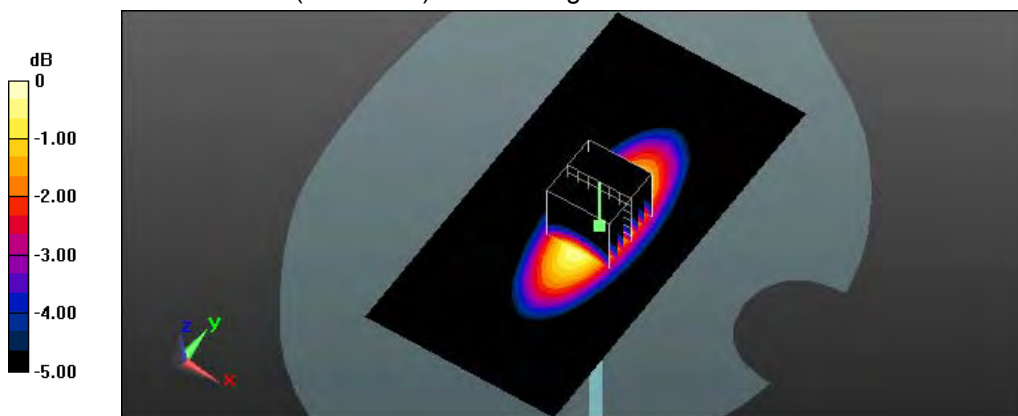
Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 55.028 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 3.59 W/kg

**SAR(1 g) = 2.36 W/kg; SAR(10 g) = 1.54 W/kg**

Maximum value of SAR (measured) = 3.02 W/kg



0 dB = 3.02 W/kg = 4.80 dBW/kg

Test Laboratory: A Test Lab Techno Corp.

Date: 2014/9/14 Time: PM 03:34:55

**System Performance Check at 1750MHz\_20140914\_Body**

**DUT: Dipole 1750 MHz; Type: D1750V2; Serial: D1750V2 - SN:1023**

Communication System: UID 0, CW (0); Frequency: 1750 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 1750 \text{ MHz}$ ;  $\sigma = 1.517 \text{ S/m}$ ;  $\epsilon_r = 54.706$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977; ConvF(7.69, 7.69, 7.69); Calibrated: 2014/2/17;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2014/2/25
- Phantom: SAM with CRP; Type: SAM; Serial: TP-1150 and higher
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**System Performance Check at 1750MHz/Area Scan (61x61x1):**

Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 13.5 W/kg

**System Performance Check at 1750MHz/Zoom Scan (7x7x7)/Cube 0:**

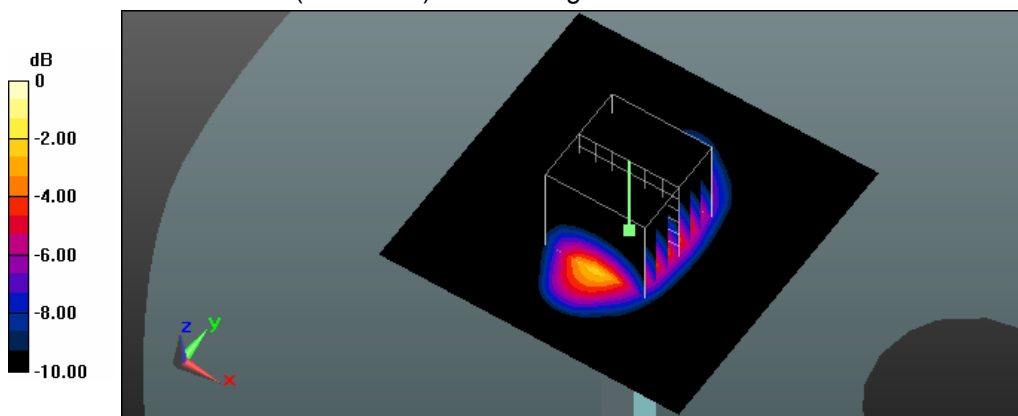
Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 92.366 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 17.1 W/kg

**SAR(1 g) = 9.62 W/kg; SAR(10 g) = 5.05 W/kg**

Maximum value of SAR (measured) = 13.7 W/kg



0 dB = 13.7 W/kg = 11.37 dBW/kg

Test Laboratory: A Test Lab Techno Corp.

Date: 2014/9/15 Time: PM 02:01:55

#### System Performance Check at 1750MHz\_20140915\_Head

**DUT: Dipole D1750V2\_SN1023; Type: D1750V2; Serial: D1750V2 - SN:1023**

Communication System: UID 0, CW (0); Frequency: 1750 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 1750 \text{ MHz}$ ;  $\sigma = 1.419 \text{ S/m}$ ;  $\epsilon_r = 41.101$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977; ConvF(8.14, 8.14, 8.14); Calibrated: 2014/2/17;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2014/2/25
- Phantom: SAM with CRP; Type: SAM; Serial: TP-1150 and higher
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

#### System Performance Check at 1750MHz/Area Scan (61x61x1):

Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 13.1 W/kg

#### System Performance Check at 1750MHz/Zoom Scan (7x7x7)/Cube 0:

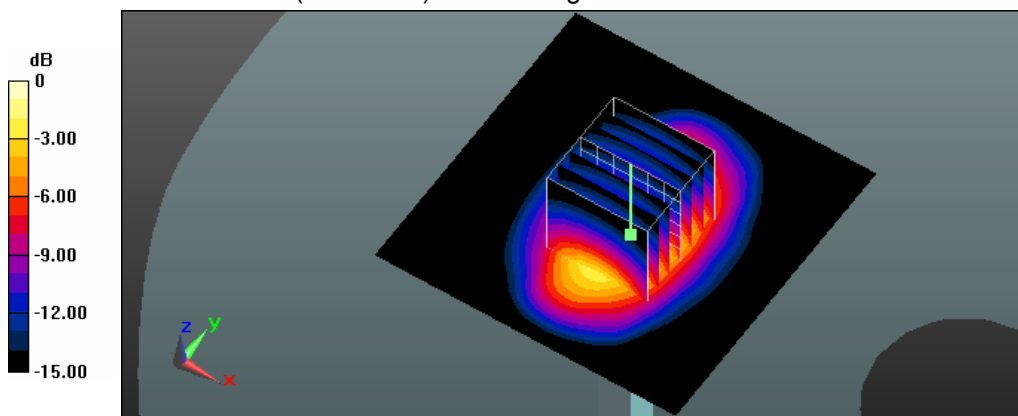
Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 91.633 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 17.0 W/kg

**SAR(1 g) = 9.14 W/kg; SAR(10 g) = 4.74 W/kg**

Maximum value of SAR (measured) = 13.1 W/kg



0 dB = 13.1 W/kg = 11.17 dBW/kg

Test Laboratory: A Test Lab Techno Corp.

Date: 2014/9/12 Time: AM 10:59:05

**System Performance Check at 1900MHz\_20140912\_Head**

**DUT: Dipole D1900V2\_SN5d111; Type: D1900V2; Serial: D1900V2 - SN:5d111**

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

Medium parameters used:  $f = 1900 \text{ MHz}$ ;  $\sigma = 1.392 \text{ S/m}$ ;  $\epsilon_r = 40.7$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977; ConvF(7.97, 7.97, 7.97); Calibrated: 2014/2/17;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2014/2/25
- Phantom: SAM with CRP; Type: SAM; Serial: TP-1150 and higher
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**System Performance Check at 1900MHz/Area Scan (61x61x1):**

Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 14.3 W/kg

**System Performance Check at 1900MHz/Zoom Scan (7x7x7)/Cube 0:**

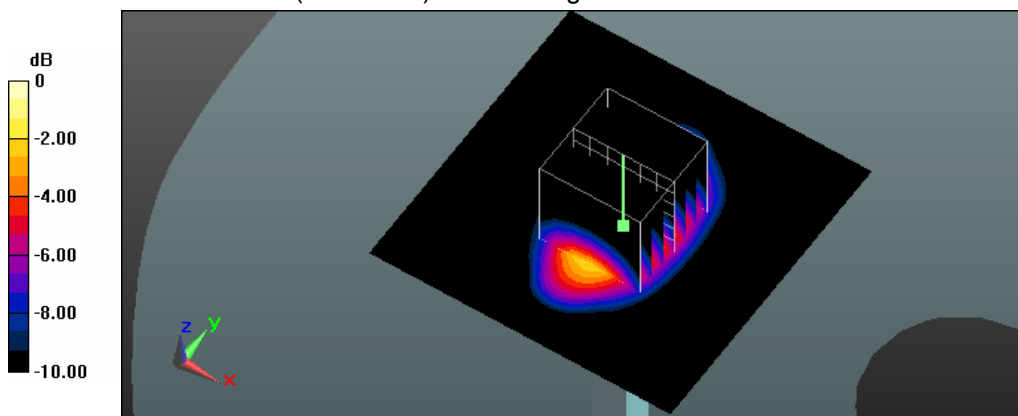
Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 100.3 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 18.2 W/kg

**SAR(1 g) = 9.92 W/kg; SAR(10 g) = 5.16 W/kg**

Maximum value of SAR (measured) = 14.3 W/kg



0 dB = 14.3 W/kg = 11.55 dBW/kg

Test Laboratory: A Test Lab Techno Corp.

Date: 2014/9/13 Time: PM 06:02:20

**System Performance Check at 1900MHz\_20140913\_Body**

**DUT: Dipole D1900V2\_SN5d111; Type: D1900V2; Serial: D1900V2 - SN:5d111**

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

Medium parameters used:  $f = 1900 \text{ MHz}$ ;  $\sigma = 1.475 \text{ S/m}$ ;  $\epsilon_r = 52.463$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977; ConvF(7.37, 7.37, 7.37); Calibrated: 2014/2/17;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2014/2/25
- Phantom: SAM with CRP; Type: SAM; Serial: TP-1150 and higher
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**System Performance Check at 1900MHz/Area Scan (61x61x1):**

Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 14.0 W/kg

**System Performance Check at 1900MHz/Zoom Scan (7x7x7)/Cube 0:**

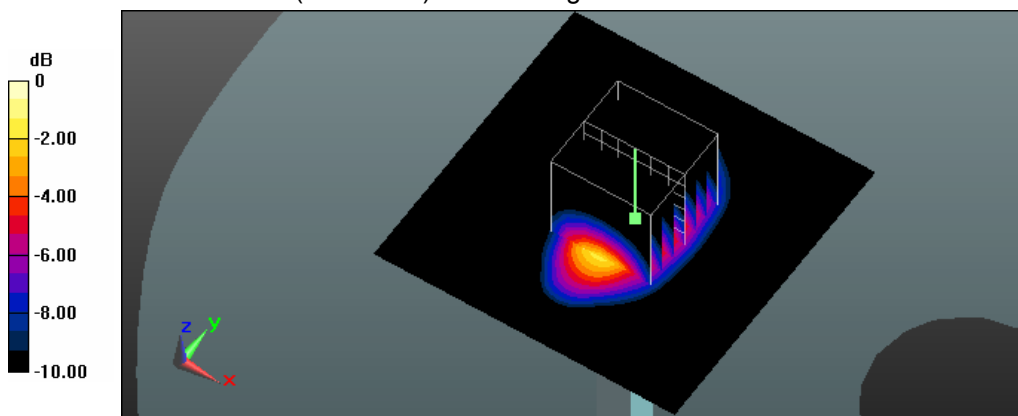
Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 97.019 V/m; Power Drift = -0.19 dB

Peak SAR (extrapolated) = 18.1 W/kg

**SAR(1 g) = 10 W/kg; SAR(10 g) = 5.23 W/kg**

Maximum value of SAR (measured) = 14.4 W/kg



0 dB = 14.4 W/kg = 11.58 dBW/kg

Test Laboratory: A Test Lab Techno Corp.

Date: 2014/9/19 Time: PM 11:40:19

**System Performance Check at 2450MHz\_20140919\_Head**

**DUT: Dipole 2450 MHz; Type: D2450V2; Serial: D2450V2 - SN:712**

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

Medium parameters used:  $f = 2450 \text{ MHz}$ ;  $\sigma = 1.84 \text{ S/m}$ ;  $\epsilon_r = 38.359$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977; ConvF(7.24, 7.24, 7.24); Calibrated: 2014/2/17;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2014/2/25
- Phantom: SAM with CRP; Type: SAM; Serial: TP-1150 and higher
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**System Performance Check at 2450MHz/Area Scan (61x61x1):**

Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 20.7 W/kg

**System Performance Check at 2450MHz/Zoom Scan (7x7x7)/Cube 0:**

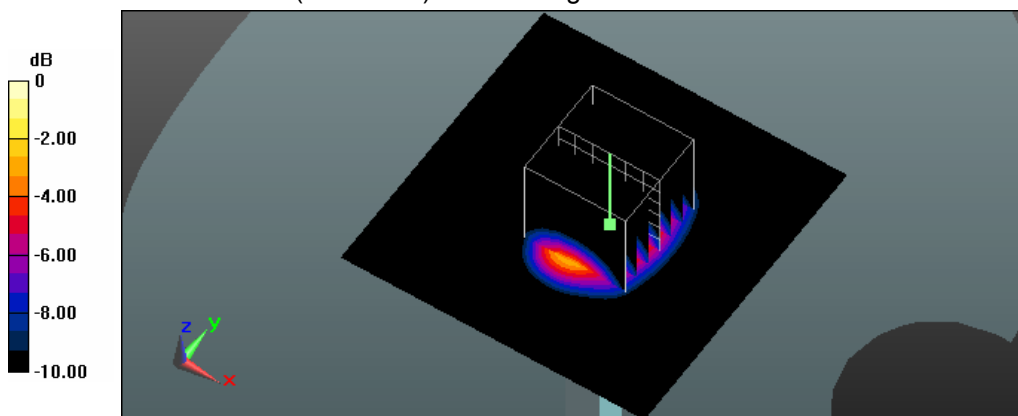
Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 103.4 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 27.4 W/kg

**SAR(1 g) = 13.3 W/kg; SAR(10 g) = 6.12 W/kg**

Maximum value of SAR (measured) = 20.4 W/kg



0 dB = 20.4 W/kg = 13.10 dBW/kg



Test Laboratory: A Test Lab Techno Corp.

Date: 2014/9/22 Time: AM 10:18:08

**System Performance Check at 2450MHz\_20140922\_Head**

**DUT: Dipole 2450 MHz; Type: D2450V2; Serial: D2450V2 - SN:712**

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

Medium parameters used:  $f = 2450 \text{ MHz}$ ;  $\sigma = 1.84 \text{ S/m}$ ;  $\epsilon_r = 38.359$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977; ConvF(7.24, 7.24, 7.24); Calibrated: 2014/2/17;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2014/2/25
- Phantom: SAM with CRP; Type: SAM; Serial: TP-1150 and higher
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**System Performance Check at 2450MHz/Area Scan (61x61x1):**

Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 18.9 W/kg

**System Performance Check at 2450MHz/Zoom Scan (7x7x7)/Cube 0:**

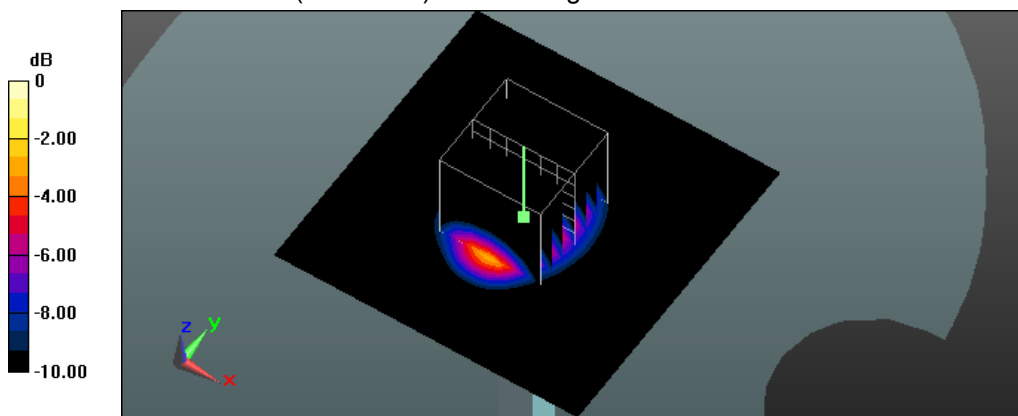
Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 103.4 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 24.9 W/kg

**SAR(1 g) = 12.5 W/kg; SAR(10 g) = 5.82 W/kg**

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



0 dB = 18.8 W/kg = 12.74 dBW/kg

Test Laboratory: A Test Lab Techno Corp.

Date: 2014/9/22 Time: PM 09:23:59

**System Performance Check at 2450MHz\_20140922\_Body**

**DUT: Dipole 2450 MHz; Type: D2450V2; Serial: D2450V2 - SN:712**

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

Medium parameters used:  $f = 2450 \text{ MHz}$ ;  $\sigma = 1.98 \text{ S/m}$ ;  $\epsilon_r = 54.458$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977; ConvF(6.97, 6.97, 6.97); Calibrated: 2014/2/17;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2014/2/25
- Phantom: SAM with CRP; Type: SAM; Serial: TP-1150 and higher
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**System Performance Check at 2450MHz/Area Scan (61x61x1):**

Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

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

**System Performance Check at 2450MHz/Zoom Scan (7x7x7)/Cube 0:**

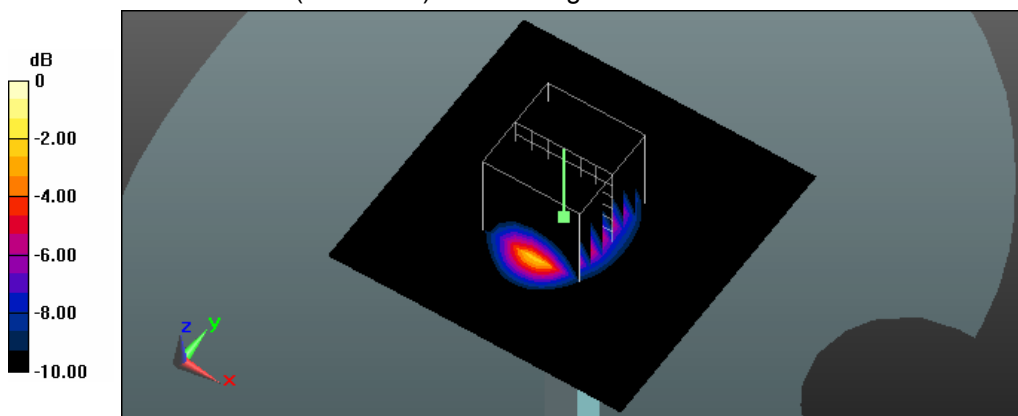
Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 101.2 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 24.4 W/kg

**SAR(1 g) = 12.3 W/kg; SAR(10 g) = 5.81 W/kg**

Maximum value of SAR (measured) = 18.5 W/kg



0 dB = 18.5 W/kg = 12.67 dBW/kg

Test Laboratory: A Test Lab Techno Corp.

Date: 2014/9/24 Time: AM 10:18:18

**System Performance Check at 2450MHz\_20140924\_Body**

**DUT: Dipole 2450 MHz; Type: D2450V2; Serial: D2450V2 - SN:712**

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

Medium parameters used:  $f = 2450 \text{ MHz}$ ;  $\sigma = 1.98 \text{ S/m}$ ;  $\epsilon_r = 54.458$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977; ConvF(6.97, 6.97, 6.97); Calibrated: 2014/2/17;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2014/2/25
- Phantom: SAM with CRP; Type: SAM; Serial: TP-1150 and higher
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**System Performance Check at 2450MHz/Area Scan (61x61x1):**

Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

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

**System Performance Check at 2450MHz/Zoom Scan (7x7x7)/Cube 0:**

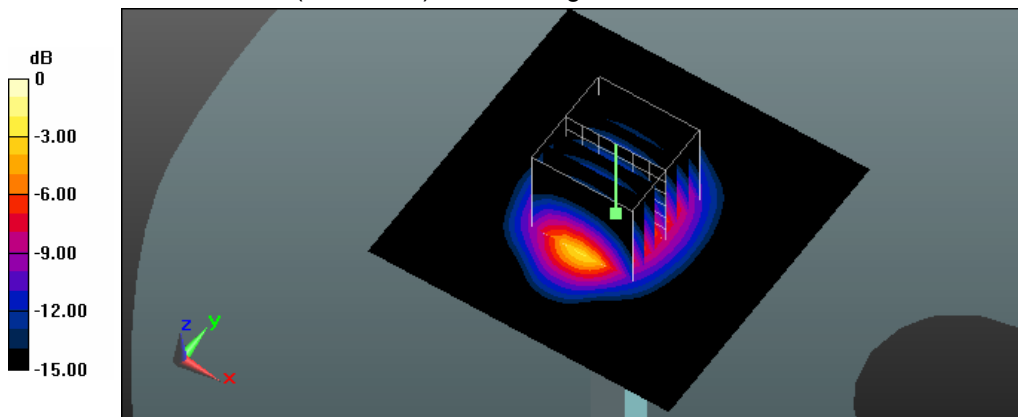
Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 97.353 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 25.0 W/kg

**SAR(1 g) = 12.2 W/kg; SAR(10 g) = 5.68 W/kg**

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



0 dB = 18.6 W/kg = 12.70 dBW/kg

## Appendix B - SAR Measurement Data

Test Laboratory: A Test Lab Techno Corp.

Date: 2014/9/9 Time: AM 10:14:34

**8\_RC\_GSM 850 CH251\_SIM1**

**DUT: 88 Tauri; Type: GSM/WCDMA/LTE Android Smartphone; Serial: 356537050191189**

Communication System: UID 0, GSM850 (0); Frequency: 848.8 MHz; Duty Cycle: 1:8

Medium parameters used:  $f = 849 \text{ MHz}$ ;  $\sigma = 0.937 \text{ S/m}$ ;  $\epsilon_r = 42.676$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977; ConvF(9.62, 9.62, 9.62); Calibrated: 2014/2/17;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2014/2/25
- Phantom: SAM with CRP; Type: SAM; Serial: TP-1150 and higher
- Measurement SW: DASYS2, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

### Right Cheek/Area Scan (81x141x1):

Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.371 W/kg

### Right Cheek/Zoom Scan (5x5x7)/Cube 0:

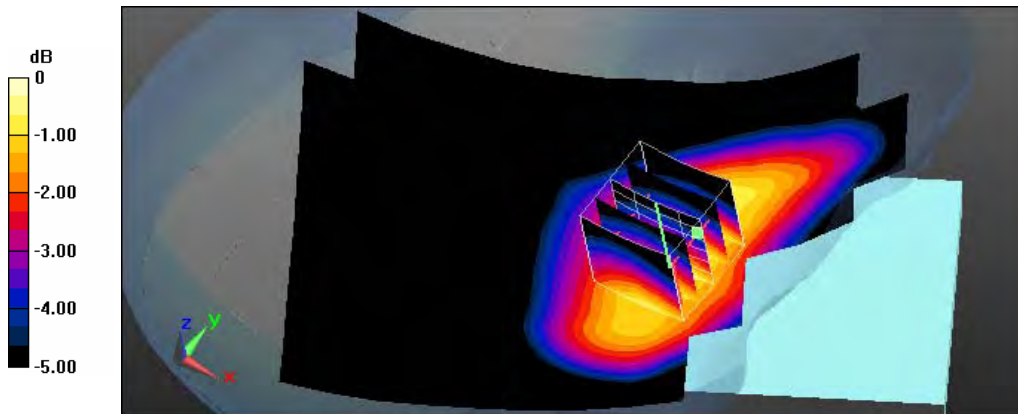
Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 7.261 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.449 W/kg

**SAR(1 g) = 0.355 W/kg; SAR(10 g) = 0.277 W/kg**

Maximum value of SAR (measured) = 0.411 W/kg



0 dB = 0.411 W/kg = -3.86 dBW/kg

Test Laboratory: A Test Lab Techno Corp.

Date: 2014/9/9 Time: AM 10:59:29

**9\_RT\_GSM 850 CH251\_SIM1**

**DUT: 88 Tauri; Type: GSM/WCDMA/LTE Android Smartphone; Serial: 356537050191189**

Communication System: UID 0, GSM850 (0); Frequency: 848.8 MHz; Duty Cycle: 1:8

Medium parameters used:  $f = 849 \text{ MHz}$ ;  $\sigma = 0.937 \text{ S/m}$ ;  $\epsilon_r = 42.676$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977; ConvF(9.62, 9.62, 9.62); Calibrated: 2014/2/17;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2014/2/25
- Phantom: SAM with CRP; Type: SAM; Serial: TP-1150 and higher
- Measurement SW: DASYS2, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Right Tilted/Area Scan (81x141x1):**

Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.299 W/kg

**Right Tilted/Zoom Scan (5x5x7)/Cube 0:**

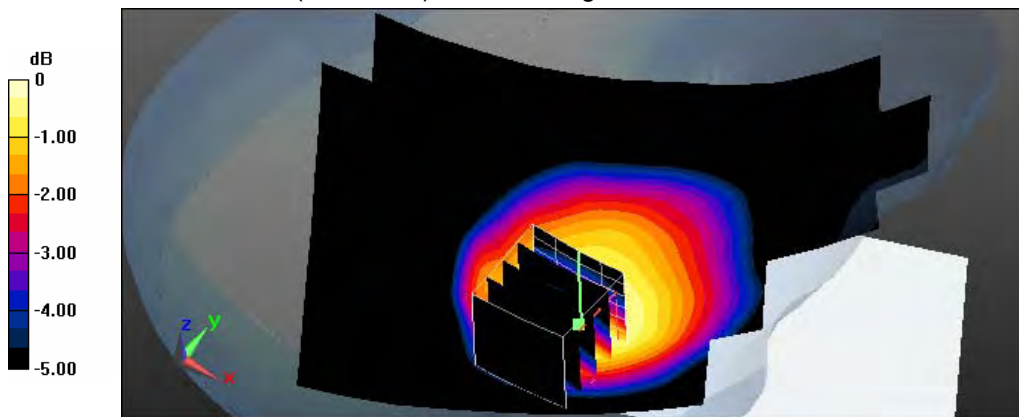
Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 12.919 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 0.318 W/kg

**SAR(1 g) = 0.247 W/kg; SAR(10 g) = 0.161 W/kg**

Maximum value of SAR (measured) = 0.293 W/kg



0 dB = 0.293 W/kg = -5.33 dBW/kg

Test Laboratory: A Test Lab Techno Corp.

Date: 2014/9/9 Time: AM 11:24:35

#### 10\_LC\_GSM 850 CH251\_SIM1

**DUT: 88 Tauri; Type: GSM/WCDMA/LTE Android Smartphone; Serial: 356537050191189**

Communication System: UID 0, GSM850 (0); Frequency: 848.8 MHz; Duty Cycle: 1:8

Medium parameters used:  $f = 849 \text{ MHz}$ ;  $\sigma = 0.937 \text{ S/m}$ ;  $\epsilon_r = 42.676$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977; ConvF(9.62, 9.62, 9.62); Calibrated: 2014/2/17;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2014/2/25
- Phantom: SAM with CRP; Type: SAM; Serial: TP-1150 and higher
- Measurement SW: DASYS2, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

#### Left Cheek/Area Scan (81x141x1):

Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.532 W/kg

#### Left Cheek/Zoom Scan (5x5x7)/Cube 0:

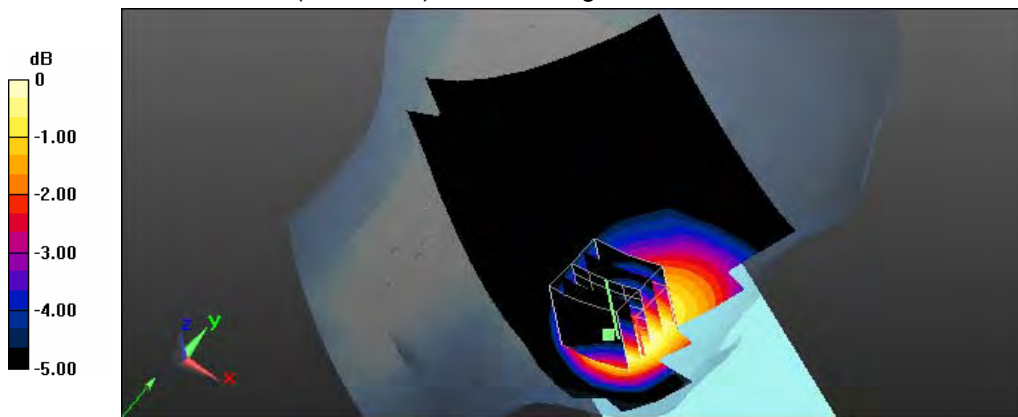
Measurement grid:  $dx=8 \text{ mm}$ ,  $dy=8 \text{ mm}$ ,  $dz=5 \text{ mm}$

Reference Value = 8.407 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.507 W/kg

**SAR(1 g) = 0.405 W/kg; SAR(10 g) = 0.313 W/kg**

Maximum value of SAR (measured) = 0.452 W/kg



0 dB = 0.452 W/kg = -3.45 dBW/kg

Test Laboratory: A Test Lab Techno Corp.

Date: 2014/9/9 Time: AM 11:53:35

**11\_LT\_GSM 850 CH251\_SIM1**

**DUT: 88 Tauri; Type: GSM/WCDMA/LTE Android Smartphone; Serial: 356537050191189**

Communication System: UID 0, GSM850 (0); Frequency: 848.8 MHz; Duty Cycle: 1:8

Medium parameters used:  $f = 849 \text{ MHz}$ ;  $\sigma = 0.937 \text{ S/m}$ ;  $\epsilon_r = 42.676$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977; ConvF(9.62, 9.62, 9.62); Calibrated: 2014/2/17;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2014/2/25
- Phantom: SAM with CRP; Type: SAM; Serial: TP-1150 and higher
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Left Tilted/Area Scan (81x141x1):**

Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.264 W/kg

**Left Tilted/Zoom Scan (5x5x7)/Cube 0:**

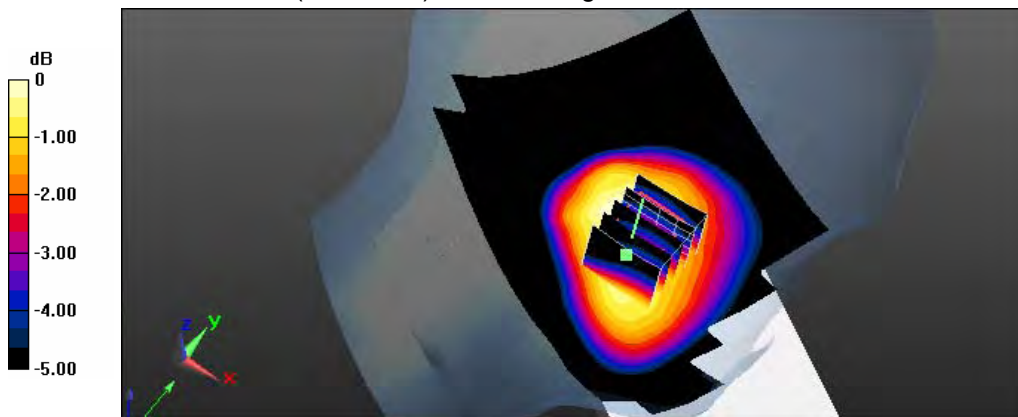
Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 14.666 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 0.289 W/kg

**SAR(1 g) = 0.234 W/kg; SAR(10 g) = 0.182 W/kg**

Maximum value of SAR (measured) = 0.265 W/kg



0 dB = 0.265 W/kg = -5.77 dBW/kg



Test Laboratory: A Test Lab Techno Corp.

Date: 2014/9/9 Time: PM 01:50:25

**12\_RC\_GPRS 850 CH190\_3D2U\_SIM1**

**DUT: 88 Tauri; Type: GSM/WCDMA/LTE Android Smartphone; Serial: 356537050191189**

Communication System: UID 0, GPRS 850 (3Down, 2Up) (0); Frequency: 836.6 MHz; Duty Cycle: 1:4

Medium parameters used:  $f = 837 \text{ MHz}$ ;  $\sigma = 0.911 \text{ S/m}$ ;  $\epsilon_r = 42.448$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977; ConvF(9.62, 9.62, 9.62); Calibrated: 2014/2/17;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2014/2/25
- Phantom: SAM with CRP; Type: SAM; Serial: TP-1150 and higher
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Right Cheek/Area Scan (81x141x1):**

Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.325 W/kg

**Right Cheek/Zoom Scan (5x5x7)/Cube 0:**

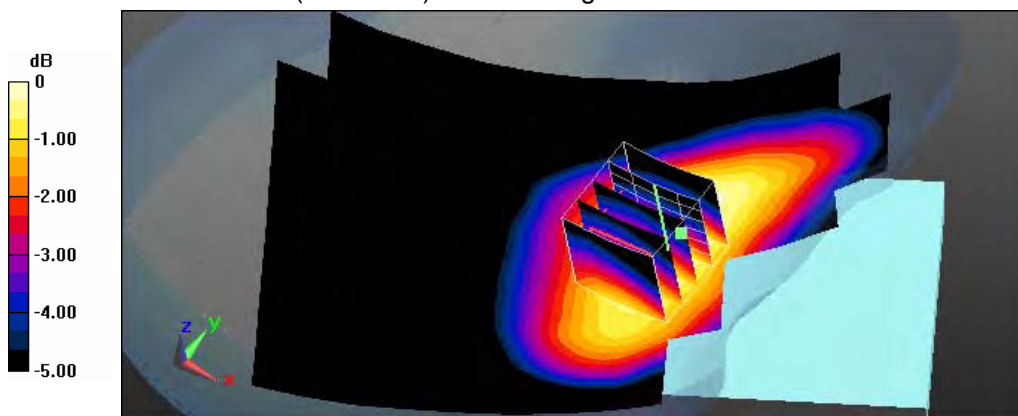
Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 6.732 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.353 W/kg

**SAR(1 g) = 0.281 W/kg; SAR(10 g) = 0.218 W/kg**

Maximum value of SAR (measured) = 0.320 W/kg



0 dB = 0.320 W/kg = -4.95 dBW/kg



Test Laboratory: A Test Lab Techno Corp.

Date: 2014/9/9 Time: PM 02:10:27

**13\_RT\_GPRS 850 CH190\_3D2U\_SIM1**

**DUT: 88 Tauri; Type: GSM/WCDMA/LTE Android Smartphone; Serial: 356537050191189**

Communication System: UID 0, GPRS 850 (3Down, 2Up) (0); Frequency: 836.6 MHz; Duty Cycle: 1:4

Medium parameters used:  $f = 837 \text{ MHz}$ ;  $\sigma = 0.911 \text{ S/m}$ ;  $\epsilon_r = 42.448$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977; ConvF(9.62, 9.62, 9.62); Calibrated: 2014/2/17;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2014/2/25
- Phantom: SAM with CRP; Type: SAM; Serial: TP-1150 and higher
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Right Tilted/Area Scan (81x141x1):**

Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.228 W/kg

**Right Tilted/Zoom Scan (5x5x7)/Cube 0:**

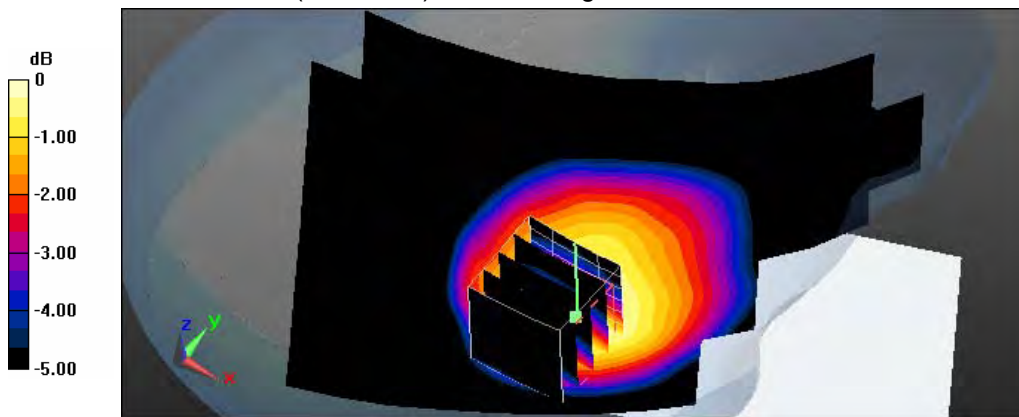
Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 11.460 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.250 W/kg

**SAR(1 g) = 0.198 W/kg; SAR(10 g) = 0.133 W/kg**

Maximum value of SAR (measured) = 0.230 W/kg



0 dB = 0.230 W/kg = -6.38 dBW/kg

Test Laboratory: A Test Lab Techno Corp.

Date: 2014/9/9 Time: PM 01:06:59

**14\_LC\_GPRS 850 CH190\_3D2U\_SIM1**

**DUT: 88 Tauri; Type: GSM/WCDMA/LTE Android Smartphone; Serial: 356537050191189**

Communication System: UID 0, GPRS 850 (3Down, 2Up) (0); Frequency: 836.6 MHz; Duty Cycle: 1:4

Medium parameters used:  $f = 837 \text{ MHz}$ ;  $\sigma = 0.911 \text{ S/m}$ ;  $\epsilon_r = 42.448$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977; ConvF(9.62, 9.62, 9.62); Calibrated: 2014/2/17;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2014/2/25
- Phantom: SAM with CRP; Type: SAM; Serial: TP-1150 and higher
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Left Cheek/Area Scan (81x141x1):**

Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.428 W/kg

**Left Cheek/Zoom Scan (5x5x7)/Cube 0:**

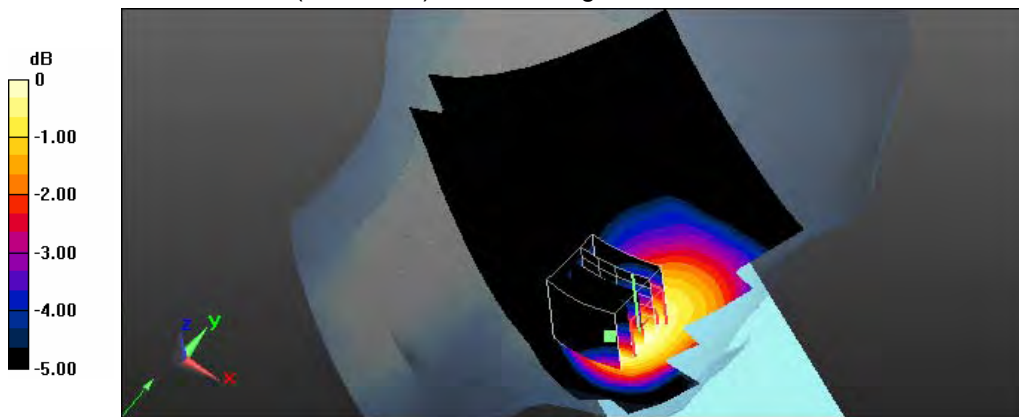
Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 7.988 V/m; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 0.440 W/kg

**SAR(1 g) = 0.345 W/kg; SAR(10 g) = 0.255 W/kg**

Maximum value of SAR (measured) = 0.384 W/kg



0 dB = 0.384 W/kg = -4.16 dBW/kg

Test Laboratory: A Test Lab Techno Corp.

Date: 2014/9/9 Time: PM 01:27:59

**15\_LT\_GPRS 850 CH190\_3D2U\_SIM1**

**DUT: 88 Tauri; Type: GSM/WCDMA/LTE Android Smartphone; Serial: 356537050191189**

Communication System: UID 0, GPRS 850 (3Down, 2Up) (0); Frequency: 836.6 MHz; Duty Cycle: 1:4

Medium parameters used:  $f = 837 \text{ MHz}$ ;  $\sigma = 0.911 \text{ S/m}$ ;  $\epsilon_r = 42.448$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977; ConvF(9.62, 9.62, 9.62); Calibrated: 2014/2/17;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2014/2/25
- Phantom: SAM with CRP; Type: SAM; Serial: TP-1150 and higher
- Measurement SW: DASYS52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Left Tilted/Area Scan (81x141x1):**

Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.213 W/kg

**Left Tilted/Zoom Scan (5x5x7)/Cube 0:**

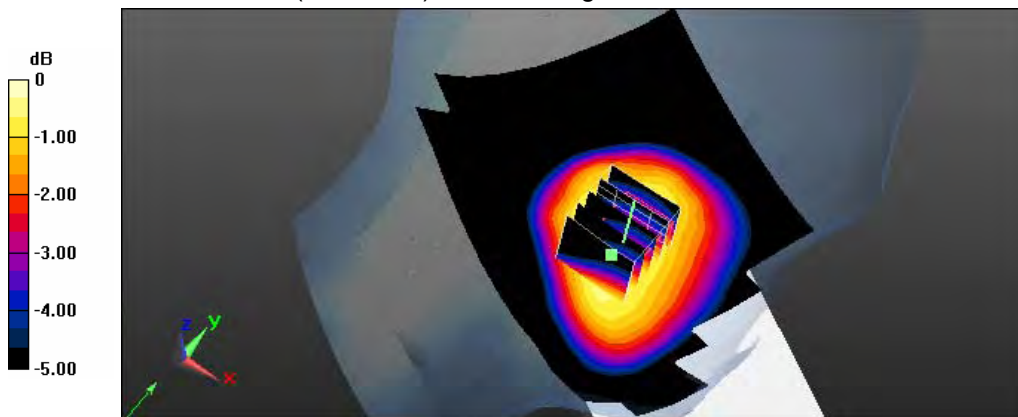
Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 12.794 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.235 W/kg

**SAR(1 g) = 0.192 W/kg; SAR(10 g) = 0.151 W/kg**

Maximum value of SAR (measured) = 0.216 W/kg



0 dB = 0.216 W/kg = -6.66 dBW/kg

Test Laboratory: A Test Lab Techno Corp.

Date: 2014/9/10 Time: PM 02:04:24

**28\_RC\_DTM 850 CH128\_2D3U\_SIM1**

**DUT: 88 Tauri; Type: GSM/WCDMA/LTE Android Smartphone; Serial: 356537050191189**

Communication System: UID 0, DTM 850 (2Down, 3Up) (0); Frequency: 824.2 MHz; Duty Cycle: 1:2.8

Medium parameters used (interpolated):  $f = 824.2$  MHz;  $\sigma = 0.876$  S/m;  $\epsilon_r = 42.357$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977; ConvF(9.62, 9.62, 9.62); Calibrated: 2014/2/17;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2014/2/25
- Phantom: SAM with CRP; Type: SAM; Serial: TP-1150 and higher
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Right Cheek/Area Scan (81x141x1):**

Interpolated grid:  $dx=1.500$  mm,  $dy=1.500$  mm

Maximum value of SAR (interpolated) = 0.270 W/kg

**Right Cheek/Zoom Scan (5x5x7)/Cube 0:**

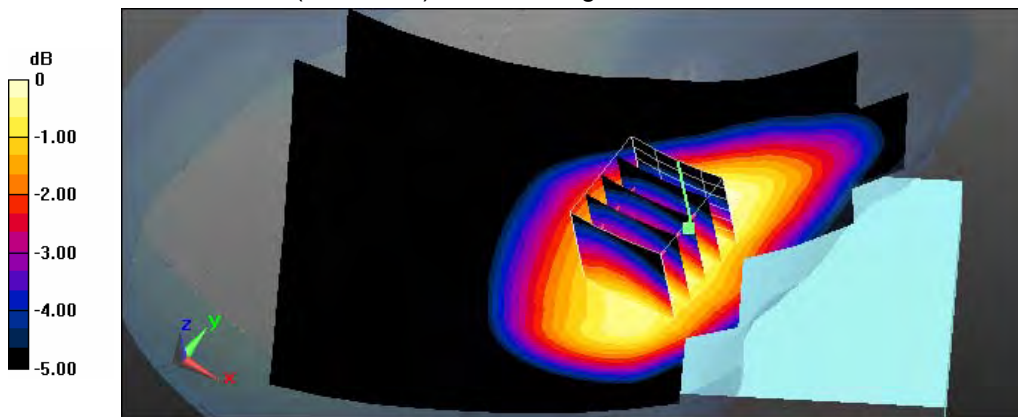
Measurement grid:  $dx=8$  mm,  $dy=8$  mm,  $dz=5$  mm

Reference Value = 7.869 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 0.286 W/kg

**SAR(1 g) = 0.231 W/kg; SAR(10 g) = 0.185 W/kg**

Maximum value of SAR (measured) = 0.262 W/kg



0 dB = 0.262 W/kg = -5.82 dBW/kg

Test Laboratory: A Test Lab Techno Corp.

Date: 2014/9/10 Time: PM 02:24:43

**29\_RT\_DTM 850 CH128\_2D3U\_SIM1**

**DUT: 88 Tauri; Type: GSM/WCDMA/LTE Android Smartphone; Serial: 356537050191189**

Communication System: UID 0, DTM 850 (2Down, 3Up) (0); Frequency: 824.2 MHz; Duty Cycle: 1:2.8

Medium parameters used (interpolated):  $f = 824.2$  MHz;  $\sigma = 0.876$  S/m;  $\epsilon_r = 42.357$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977; ConvF(9.62, 9.62, 9.62); Calibrated: 2014/2/17;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2014/2/25
- Phantom: SAM with CRP; Type: SAM; Serial: TP-1150 and higher
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Right Tilted/Area Scan (81x141x1):**

Interpolated grid:  $dx=1.500$  mm,  $dy=1.500$  mm

Maximum value of SAR (interpolated) = 0.194 W/kg

**Right Tilted/Zoom Scan (5x5x7)/Cube 0:**

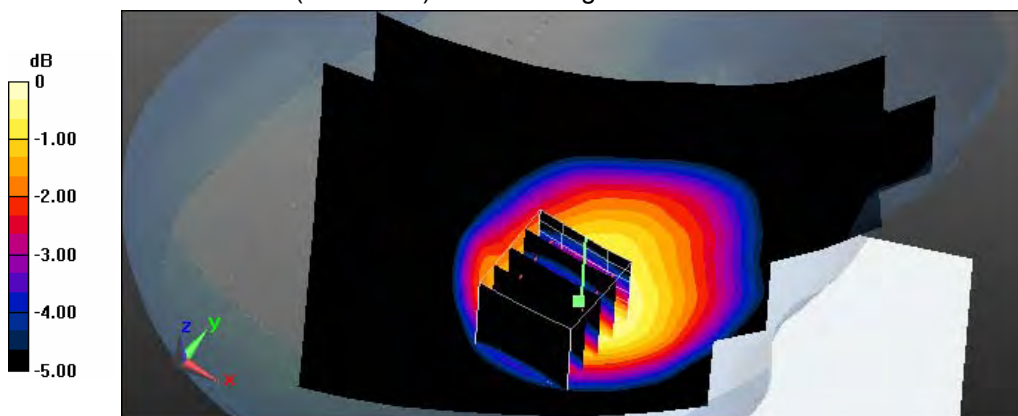
Measurement grid:  $dx=8$  mm,  $dy=8$  mm,  $dz=5$  mm

Reference Value = 11.302 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 0.209 W/kg

**SAR(1 g) = 0.169 W/kg; SAR(10 g) = 0.120 W/kg**

Maximum value of SAR (measured) = 0.192 W/kg



0 dB = 0.192 W/kg = -7.17 dBW/kg

Test Laboratory: A Test Lab Techno Corp.

Date: 2014/9/10 Time: PM 02:48:56

**30\_LC\_DTM 850 CH128\_2D3U\_SIM1**

**DUT: 88 Tauri; Type: GSM/WCDMA/LTE Android Smartphone; Serial: 356537050191189**

Communication System: UID 0, DTM 850 (2Down, 3Up) (0); Frequency: 824.2 MHz; Duty Cycle: 1:2.8

Medium parameters used (interpolated):  $f = 824.2$  MHz;  $\sigma = 0.876$  S/m;  $\epsilon_r = 42.357$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977; ConvF(9.62, 9.62, 9.62); Calibrated: 2014/2/17;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2014/2/25
- Phantom: SAM with CRP; Type: SAM; Serial: TP-1150 and higher
- Measurement SW: DASYS52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Left Cheek/Area Scan (81x141x1):**

Interpolated grid:  $dx=1.500$  mm,  $dy=1.500$  mm

Maximum value of SAR (interpolated) = 0.286 W/kg

**Left Cheek/Zoom Scan (5x5x7)/Cube 0:**

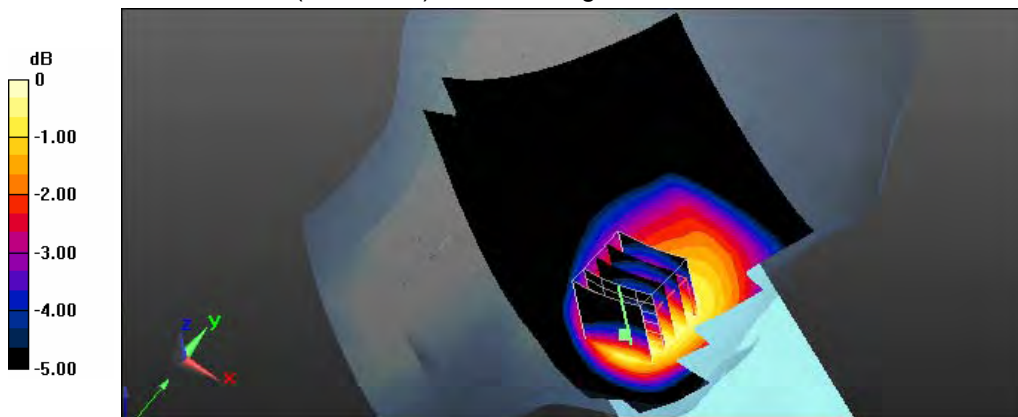
Measurement grid:  $dx=8$  mm,  $dy=8$  mm,  $dz=5$  mm

Reference Value = 7.701 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.304 W/kg

**SAR(1 g) = 0.246 W/kg; SAR(10 g) = 0.197 W/kg**

Maximum value of SAR (measured) = 0.273 W/kg



0 dB = 0.273 W/kg = -5.64 dBW/kg



Test Laboratory: A Test Lab Techno Corp.

Date: 2014/9/10 Time: PM 03:10:44

**31\_LT\_DTM 850 CH128\_2D3U\_SIM1**

**DUT: 88 Tauri; Type: GSM/WCDMA/LTE Android Smartphone; Serial: 356537050191189**

Communication System: UID 0, DTM 850 (2Down, 3Up) (0); Frequency: 824.2 MHz; Duty Cycle: 1:2.8

Medium parameters used (interpolated):  $f = 824.2$  MHz;  $\sigma = 0.876$  S/m;  $\epsilon_r = 42.357$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977; ConvF(9.62, 9.62, 9.62); Calibrated: 2014/2/17;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2014/2/25
- Phantom: SAM with CRP; Type: SAM; Serial: TP-1150 and higher
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Left Tilted/Area Scan (81x141x1):**

Interpolated grid:  $dx=1.500$  mm,  $dy=1.500$  mm

Maximum value of SAR (interpolated) = 0.160 W/kg

**Left Tilted/Zoom Scan (5x5x7)/Cube 0:**

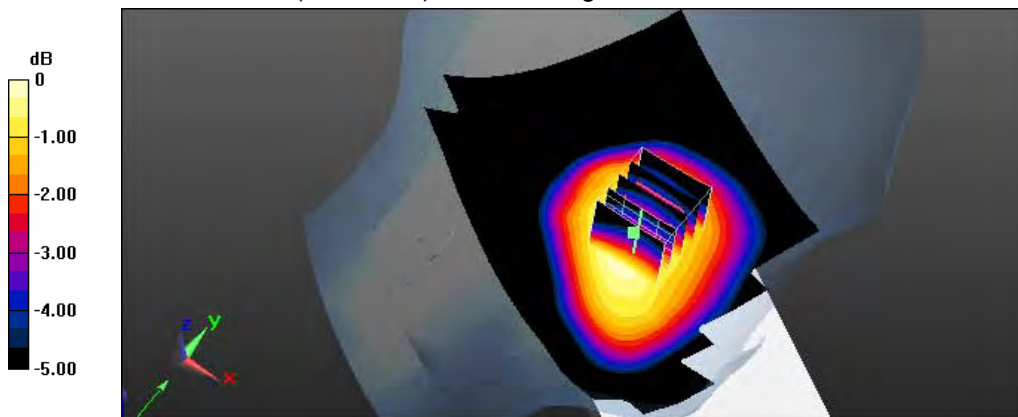
Measurement grid:  $dx=8$  mm,  $dy=8$  mm,  $dz=5$  mm

Reference Value = 10.933 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 0.175 W/kg

**SAR(1 g) = 0.144 W/kg; SAR(10 g) = 0.115 W/kg**

Maximum value of SAR (measured) = 0.162 W/kg



0 dB = 0.162 W/kg = -7.90 dBW/kg

Test Laboratory: A Test Lab Techno Corp.

Date: 2014/9/12 Time: AM 11:27:41

#### 71\_RC\_PCS CH810\_SIM1

**DUT: 88 Tauri; Type: GSM/WCDMA/LTE Android Smartphone; Serial: 356537050191189**

Communication System: UID 0, PCS (0); Frequency: 1909.8 MHz; Duty Cycle: 1:8

Medium parameters used:  $f = 1910$  MHz;  $\sigma = 1.402$  S/m;  $\epsilon_r = 40.66$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977; ConvF(7.97, 7.97, 7.97); Calibrated: 2014/2/17;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2014/2/25
- Phantom: SAM with CRP; Type: SAM; Serial: TP-1150 and higher
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

#### Right Cheek/Area Scan (81x141x1):

Interpolated grid:  $dx=1.500$  mm,  $dy=1.500$  mm

Maximum value of SAR (interpolated) = 0.393 W/kg

#### Right Cheek/Zoom Scan (5x5x7)/Cube 0:

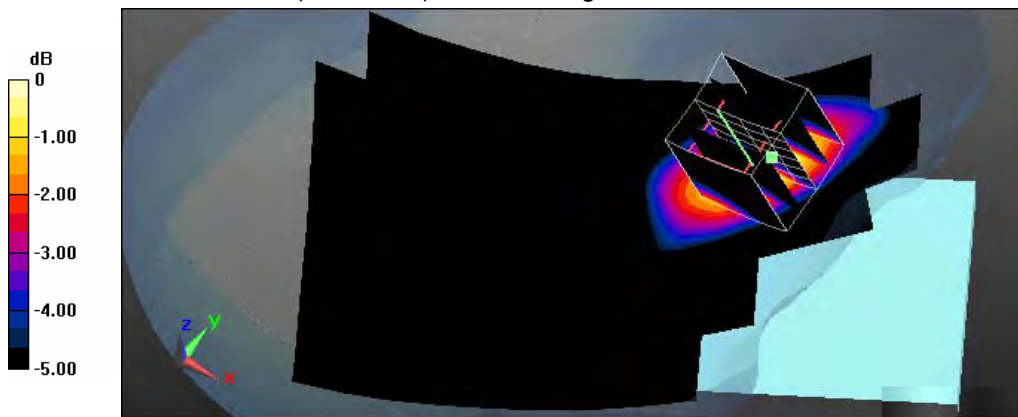
Measurement grid:  $dx=8$  mm,  $dy=8$  mm,  $dz=5$  mm

Reference Value = 5.852 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 0.483 W/kg

**SAR(1 g) = 0.311 W/kg; SAR(10 g) = 0.193 W/kg**

Maximum value of SAR (measured) = 0.404 W/kg



0 dB = 0.404 W/kg = -3.94 dBW/kg



Test Laboratory: A Test Lab Techno Corp.

Date: 2014/9/12 Time: AM 11:48:52

## 72\_RT\_PCS CH810\_SIM1

**DUT: 88 Tauri; Type: GSM/WCDMA/LTE Android Smartphone; Serial: 356537050191189**

Communication System: UID 0, PCS (0); Frequency: 1909.8 MHz; Duty Cycle: 1:8

Medium parameters used:  $f = 1910 \text{ MHz}$ ;  $\sigma = 1.402 \text{ S/m}$ ;  $\epsilon_r = 40.66$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977; ConvF(7.97, 7.97, 7.97); Calibrated: 2014/2/17;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2014/2/25
- Phantom: SAM with CRP; Type: SAM; Serial: TP-1150 and higher
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

### Right Tilted/Area Scan (81x141x1):

Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.122 W/kg

### Right Tilted/Zoom Scan (5x5x7)/Cube 0:

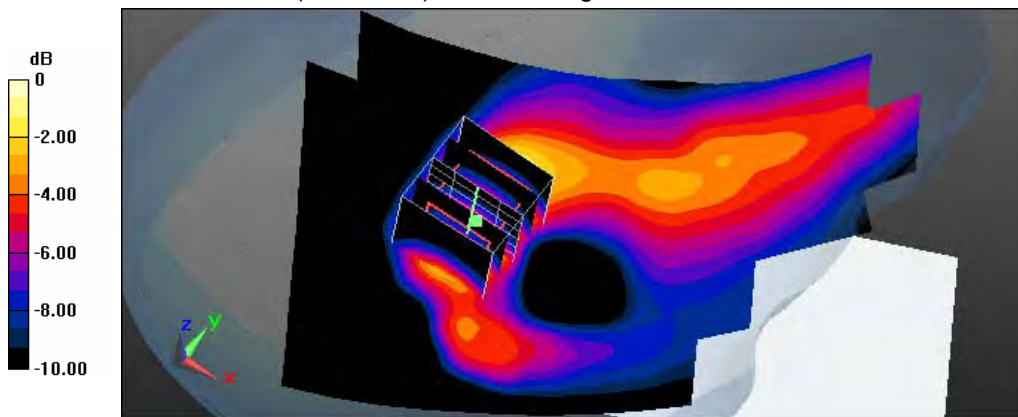
Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 8.836 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.143 W/kg

**SAR(1 g) = 0.091 W/kg; SAR(10 g) = 0.052 W/kg**

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



0 dB = 0.118 W/kg = -9.28 dBW/kg

Test Laboratory: A Test Lab Techno Corp.

Date: 2014/9/12 Time: PM 01:05:58

### 73\_LC\_PCS CH810\_SIM1

**DUT: 88 Tauri; Type: GSM/WCDMA/LTE Android Smartphone; Serial: 356537050191189**

Communication System: UID 0, PCS (0); Frequency: 1909.8 MHz; Duty Cycle: 1:8

Medium parameters used:  $f = 1910 \text{ MHz}$ ;  $\sigma = 1.402 \text{ S/m}$ ;  $\epsilon_r = 40.66$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977; ConvF(7.97, 7.97, 7.97); Calibrated: 2014/2/17;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2014/2/25
- Phantom: SAM with CRP; Type: SAM; Serial: TP-1150 and higher
- Measurement SW: DASYS2, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

#### Left Cheek/Area Scan (81x141x1):

Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.167 W/kg

#### Left Cheek/Zoom Scan (5x5x7)/Cube 0:

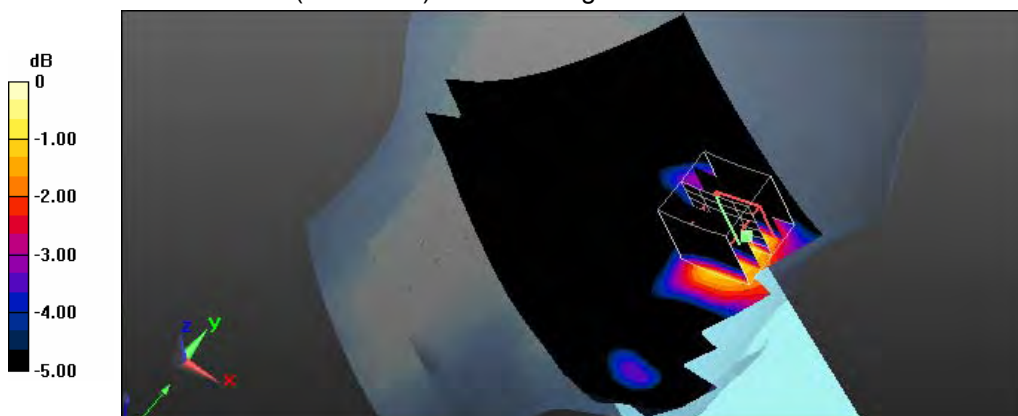
Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 4.929 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 0.238 W/kg

**SAR(1 g) = 0.150 W/kg; SAR(10 g) = 0.092 W/kg**

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



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

Test Laboratory: A Test Lab Techno Corp.

Date: 2014/9/12 Time: PM 01:28:50

#### 74\_LT\_PCS CH810\_SIM1

**DUT: 88 Tauri; Type: GSM/WCDMA/LTE Android Smartphone; Serial: 356537050191189**

Communication System: UID 0, PCS (0); Frequency: 1909.8 MHz; Duty Cycle: 1:8

Medium parameters used:  $f = 1910$  MHz;  $\sigma = 1.402$  S/m;  $\epsilon_r = 40.66$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977; ConvF(7.97, 7.97, 7.97); Calibrated: 2014/2/17;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2014/2/25
- Phantom: SAM with CRP; Type: SAM; Serial: TP-1150 and higher
- Measurement SW: DASYS2, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

#### Left Tilted/Area Scan (81x141x1):

Interpolated grid:  $dx=1.500$  mm,  $dy=1.500$  mm

Maximum value of SAR (interpolated) = 0.168 W/kg

#### Left Tilted/Zoom Scan (5x5x7)/Cube 0:

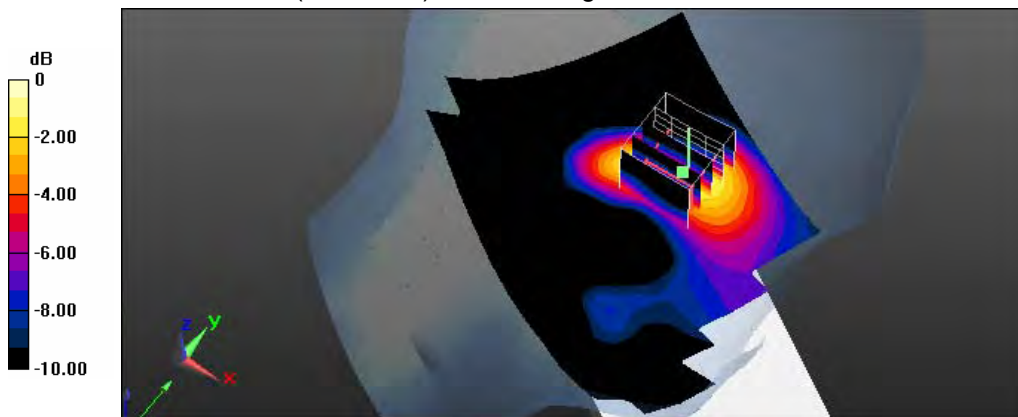
Measurement grid:  $dx=8$  mm,  $dy=8$  mm,  $dz=5$  mm

Reference Value = 7.199 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.209 W/kg

**SAR(1 g) = 0.123 W/kg; SAR(10 g) = 0.069 W/kg**

Maximum value of SAR (measured) = 0.158 W/kg



0 dB = 0.158 W/kg = -8.01 dBW/kg

Test Laboratory: A Test Lab Techno Corp.

Date: 2014/9/12 Time: PM 09:52:04

**75\_RC\_GPRS\_PCS\_CH810\_2D3U\_SIM1**

**DUT: 88 Tauri; Type: GSM/WCDMA/LTE Android Smartphone; Serial: 356537050191189**

Communication System: UID 0, GPRS PCS (2Down,3Up) (0); Frequency: 1909.8 MHz; Duty Cycle: 1:2.67

Medium parameters used:  $f = 1910$  MHz;  $\sigma = 1.402$  S/m;  $\epsilon_r = 40.66$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977; ConvF(7.97, 7.97, 7.97); Calibrated: 2014/2/17;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2014/2/25
- Phantom: SAM with CRP; Type: SAM; Serial: TP-1150 and higher
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Right Cheek/Area Scan (81x141x1):**

Interpolated grid:  $dx=1.500$  mm,  $dy=1.500$  mm

Maximum value of SAR (interpolated) = 0.386 W/kg

**Right Cheek/Zoom Scan (5x5x7)/Cube 0:**

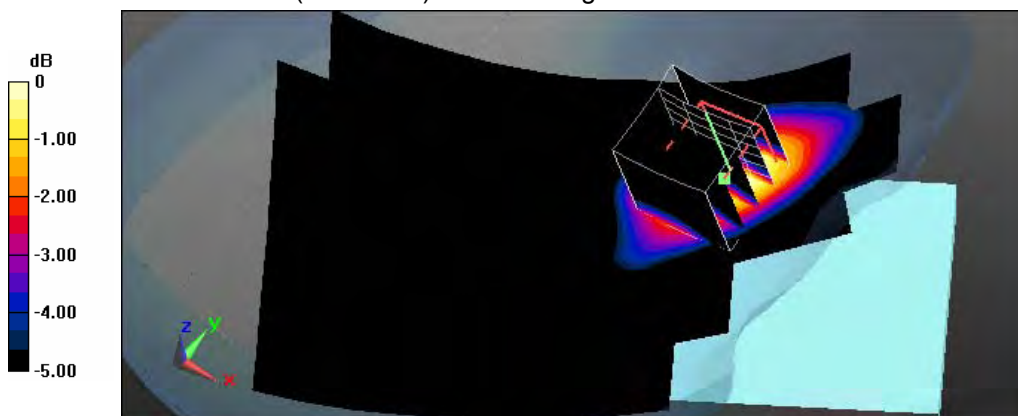
Measurement grid:  $dx=8$  mm,  $dy=8$  mm,  $dz=5$  mm

Reference Value = 6.578 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 0.471 W/kg

**SAR(1 g) = 0.300 W/kg; SAR(10 g) = 0.186 W/kg**

Maximum value of SAR (measured) = 0.390 W/kg



0 dB = 0.390 W/kg = -4.09 dBW/kg

Test Laboratory: A Test Lab Techno Corp.

Date: 2014/9/12 Time: PM 10:12:09

**76\_RT\_GPRS\_PCS\_CH810\_2D3U\_SIM1**

**DUT: 88 Tauri; Type: GSM/WCDMA/LTE Android Smartphone; Serial: 356537050191189**

Communication System: UID 0, GPRS PCS (2Down,3Up) (0); Frequency: 1909.8 MHz; Duty Cycle: 1:2.67

Medium parameters used:  $f = 1910 \text{ MHz}$ ;  $\sigma = 1.402 \text{ S/m}$ ;  $\epsilon_r = 40.66$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977; ConvF(7.97, 7.97, 7.97); Calibrated: 2014/2/17;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2014/2/25
- Phantom: SAM with CRP; Type: SAM; Serial: TP-1150 and higher
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Right Tilted/Area Scan (81x141x1):**

Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.105 W/kg

**Right Tilted/Zoom Scan (5x5x7)/Cube 0:**

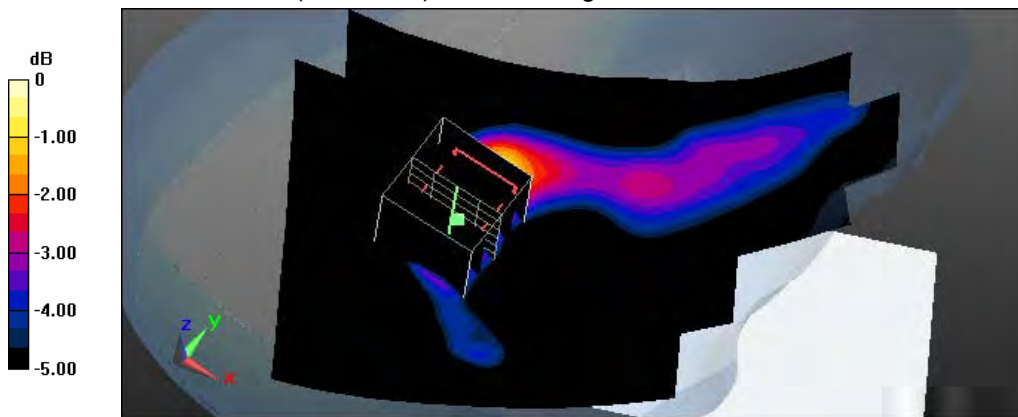
Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 8.453 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.127 W/kg

**SAR(1 g) = 0.081 W/kg; SAR(10 g) = 0.047 W/kg**

Maximum value of SAR (measured) = 0.105 W/kg



0 dB = 0.105 W/kg = -9.79 dBW/kg

Test Laboratory: A Test Lab Techno Corp.

Date: 2014/9/12 Time: PM 02:11:26

**77\_LC\_GPRS PCS CH810\_2D3U\_SIM1**

**DUT: 88 Tauri; Type: GSM/WCDMA/LTE Android Smartphone; Serial: 356537050191189**

Communication System: UID 0, GPRS PCS (2Down,3Up) (0); Frequency: 1909.8 MHz; Duty Cycle: 1:2.67

Medium parameters used:  $f = 1910 \text{ MHz}$ ;  $\sigma = 1.402 \text{ S/m}$ ;  $\epsilon_r = 40.66$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

Measurement Standard: DASYS5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977; ConvF(7.97, 7.97, 7.97); Calibrated: 2014/2/17;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2014/2/25
- Phantom: SAM with CRP; Type: SAM; Serial: TP-1150 and higher
- Measurement SW: DASYS52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Left Cheek/Area Scan (81x141x1):**

Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.168 W/kg

**Left Cheek/Zoom Scan (5x5x7)/Cube 0:**

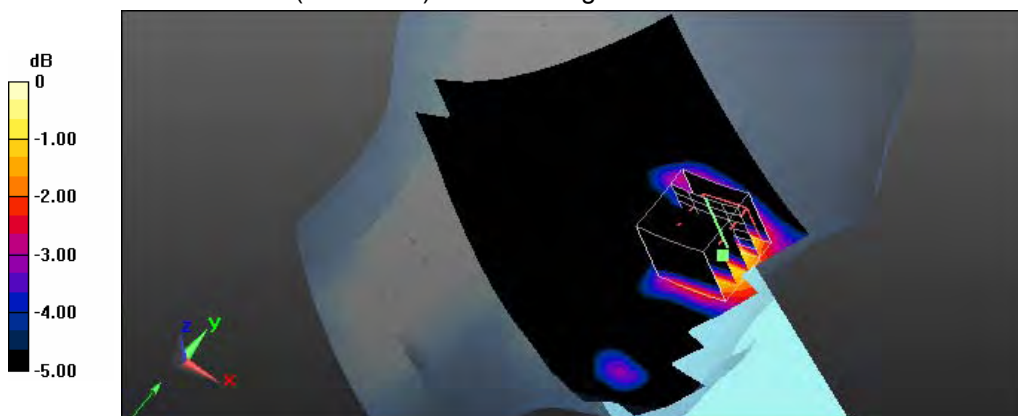
Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 4.791 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.228 W/kg

**SAR(1 g) = 0.146 W/kg; SAR(10 g) = 0.091 W/kg**

Maximum value of SAR (measured) = 0.191 W/kg



0 dB = 0.191 W/kg = -7.19 dBW/kg



Test Laboratory: A Test Lab Techno Corp.

Date: 2014/9/12 Time: PM 01:48:54

**78\_LT\_GPRS PCS CH810\_2D3U\_SIM1**

**DUT: 88 Tauri; Type: GSM/WCDMA/LTE Android Smartphone; Serial: 356537050191189**

Communication System: UID 0, GPRS PCS (2Down,3Up) (0); Frequency: 1909.8 MHz; Duty Cycle: 1:2.67

Medium parameters used:  $f = 1910 \text{ MHz}$ ;  $\sigma = 1.402 \text{ S/m}$ ;  $\epsilon_r = 40.66$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977; ConvF(7.97, 7.97, 7.97); Calibrated: 2014/2/17;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2014/2/25
- Phantom: SAM with CRP; Type: SAM; Serial: TP-1150 and higher
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Left Tilted/Area Scan (81x141x1):**

Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.162 W/kg

**Left Tilted/Zoom Scan (5x5x7)/Cube 0:**

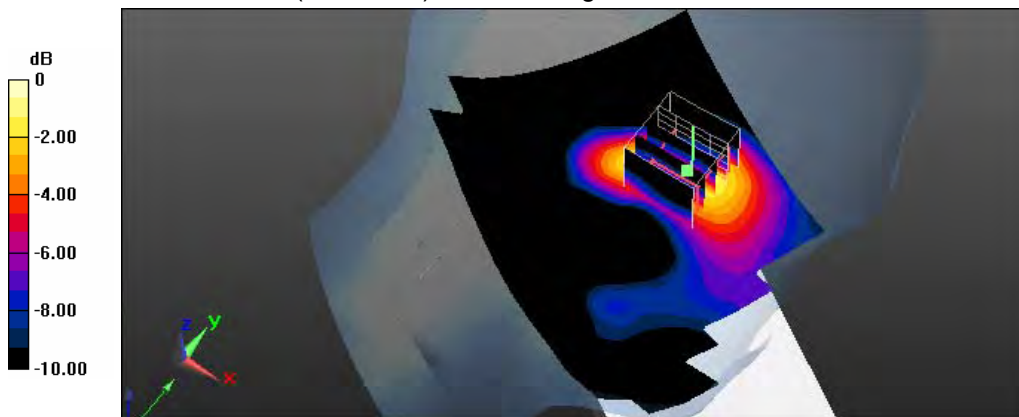
Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 7.290 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.200 W/kg

**SAR(1 g) = 0.118 W/kg; SAR(10 g) = 0.066 W/kg**

Maximum value of SAR (measured) = 0.152 W/kg



0 dB = 0.152 W/kg = -8.18 dBW/kg

Test Laboratory: A Test Lab Techno Corp.

Date: 2014/9/12 Time: PM 10:47:48

**79\_RC\_DTM PCS CH810\_2D3U\_SIM1**

**DUT: 88 Tauri; Type: GSM/WCDMA/LTE Android Smartphone; Serial: 356537050191189**

Communication System: UID 0, DTM PCS (2Down,3Up) (0); Frequency: 1909.8 MHz; Duty Cycle: 1:2.8

Medium parameters used:  $f = 1910$  MHz;  $\sigma = 1.402$  S/m;  $\epsilon_r = 40.66$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977; ConvF(7.97, 7.97, 7.97); Calibrated: 2014/2/17;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2014/2/25
- Phantom: SAM with CRP; Type: SAM; Serial: TP-1150 and higher
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Right Cheek/Area Scan (81x141x1):**

Interpolated grid:  $dx=1.500$  mm,  $dy=1.500$  mm

Maximum value of SAR (interpolated) = 0.307 W/kg

**Right Cheek/Zoom Scan (5x5x7)/Cube 0:**

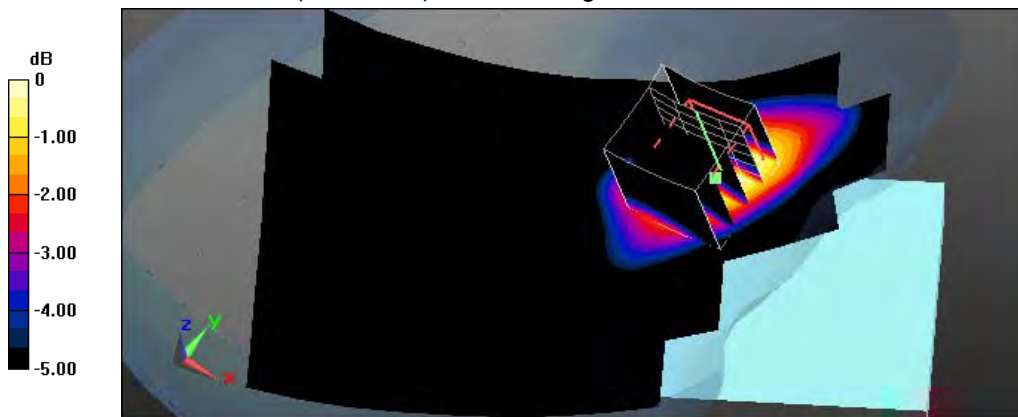
Measurement grid:  $dx=8$  mm,  $dy=8$  mm,  $dz=5$  mm

Reference Value = 6.737 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.373 W/kg

**SAR(1 g) = 0.240 W/kg; SAR(10 g) = 0.152 W/kg**

Maximum value of SAR (measured) = 0.310 W/kg



0 dB = 0.310 W/kg = -5.09 dBW/kg



Test Laboratory: A Test Lab Techno Corp.

Date: 2014/9/12 Time: PM 11:07:54

**80\_RT\_DTM PCS CH810\_2D3U\_SIM1**

**DUT: 88 Tauri; Type: GSM/WCDMA/LTE Android Smartphone; Serial: 356537050191189**

Communication System: UID 0, DTM PCS (2Down,3Up) (0); Frequency: 1909.8 MHz; Duty Cycle: 1:2.8

Medium parameters used:  $f = 1910 \text{ MHz}$ ;  $\sigma = 1.402 \text{ S/m}$ ;  $\epsilon_r = 40.66$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977; ConvF(7.97, 7.97, 7.97); Calibrated: 2014/2/17;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2014/2/25
- Phantom: SAM with CRP; Type: SAM; Serial: TP-1150 and higher
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Right Tilted/Area Scan (81x141x1):**

Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.0997 W/kg

**Right Tilted/Zoom Scan (5x5x7)/Cube 0:**

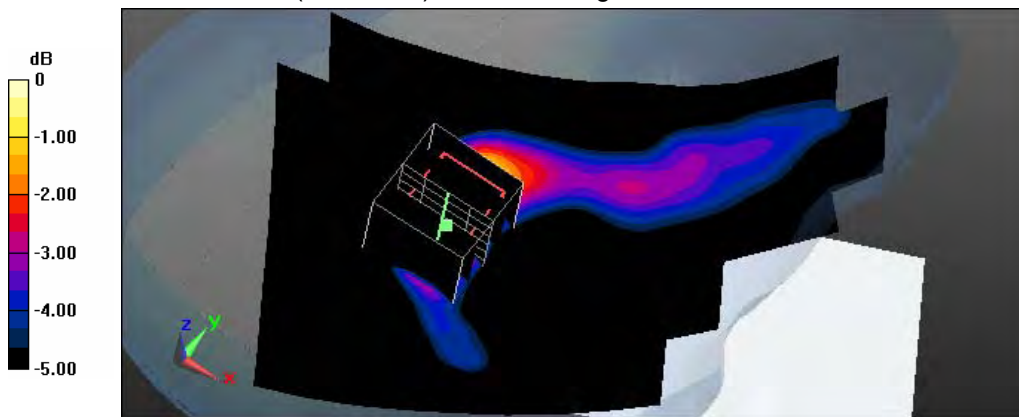
Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 8.283 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.120 W/kg

**SAR(1 g) = 0.076 W/kg; SAR(10 g) = 0.044 W/kg**

Maximum value of SAR (measured) = 0.0991 W/kg



0 dB = 0.0991 W/kg = -10.04 dBW/kg

Test Laboratory: A Test Lab Techno Corp.

Date: 2014/9/12 Time: PM 11:40:31

**81\_LC\_DTM PCS CH810\_2D3U\_SIM1**

**DUT: 88 Tauri; Type: GSM/WCDMA/LTE Android Smartphone; Serial: 356537050191189**

Communication System: UID 0, DTM PCS (2Down,3Up) (0); Frequency: 1909.8 MHz; Duty Cycle: 1:2.8

Medium parameters used:  $f = 1910 \text{ MHz}$ ;  $\sigma = 1.402 \text{ S/m}$ ;  $\epsilon_r = 40.66$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977; ConvF(7.97, 7.97, 7.97); Calibrated: 2014/2/17;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2014/2/25
- Phantom: SAM with CRP; Type: SAM; Serial: TP-1150 and higher
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Left Cheek/Area Scan (81x141x1):**

Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.144 W/kg

**Left Cheek/Zoom Scan (5x5x7)/Cube 0:**

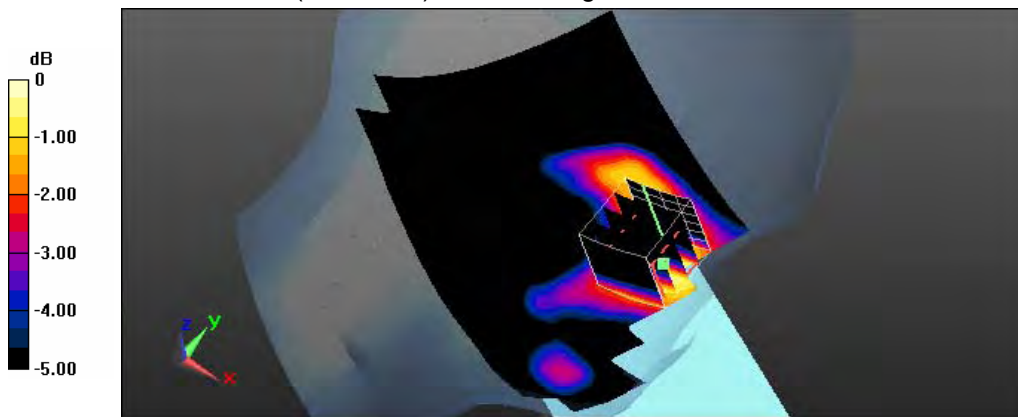
Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 5.872 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.181 W/kg

**SAR(1 g) = 0.114 W/kg; SAR(10 g) = 0.076 W/kg**

Maximum value of SAR (measured) = 0.151 W/kg



0 dB = 0.151 W/kg = -8.21 dBW/kg

Test Laboratory: A Test Lab Techno Corp.

Date: 2014/9/13 Time: AM 12:01:22

**82\_LT\_DTM PCS CH810\_2D3U\_SIM1**

**DUT: 88 Tauri; Type: GSM/WCDMA/LTE Android Smartphone; Serial: 356537050191189**

Communication System: UID 0, DTM PCS (2Down,3Up) (0); Frequency: 1909.8 MHz; Duty Cycle: 1:2.8

Medium parameters used:  $f = 1910$  MHz;  $\sigma = 1.402$  S/m;  $\epsilon_r = 40.66$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977; ConvF(7.97, 7.97, 7.97); Calibrated: 2014/2/17;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2014/2/25
- Phantom: SAM with CRP; Type: SAM; Serial: TP-1150 and higher
- Measurement SW: DASYS52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Left Tilted/Area Scan (81x141x1):**

Interpolated grid:  $dx=1.500$  mm,  $dy=1.500$  mm

Maximum value of SAR (interpolated) = 0.139 W/kg

**Left Tilted/Zoom Scan (5x5x7)/Cube 0:**

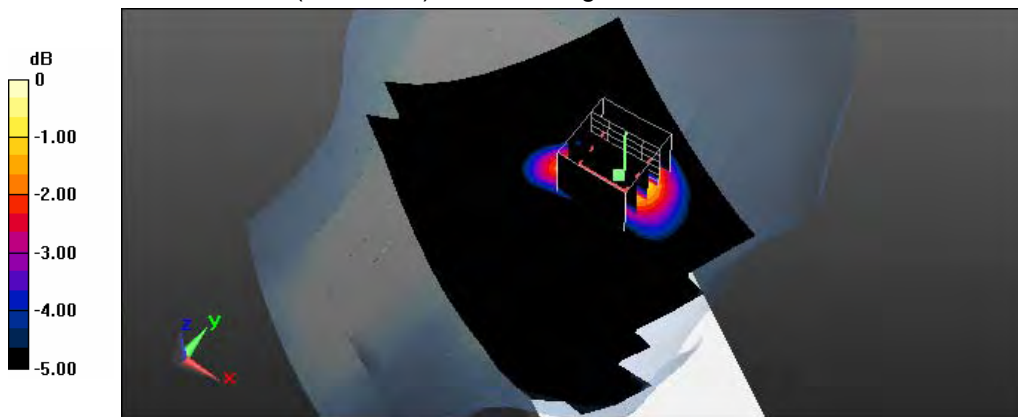
Measurement grid:  $dx=8$  mm,  $dy=8$  mm,  $dz=5$  mm

Reference Value = 7.044 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 0.171 W/kg

**SAR(1 g) = 0.104 W/kg; SAR(10 g) = 0.060 W/kg**

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



0 dB = 0.132 W/kg = -8.79 dBW/kg

Test Laboratory: A Test Lab Techno Corp.

Date: 2014/9/11Time: PM 09:25:37

#### 59\_RC\_GSM 850 CH251\_SIM2

**DUT: 88 Tauri;Type: GSM/WCDMA/LTE Android Smartphone;Serial: 356537050195636**

Communication System: UID 0, GSM850 (0);Frequency: 848.8 MHz;Duty Cycle: 1:8

Medium parameters used:  $f = 849$  MHz;  $\sigma = 0.937$  S/m;  $\epsilon_r = 42.676$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977;ConvF(9.62, 9.62, 9.62); Calibrated: 2014/2/17;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779;Calibrated: 2014/2/25
- Phantom: SAM with CRP;Type: SAM;Serial: TP-1150 and higher
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

#### Right Cheek/Area Scan (81x141x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.185 W/kg

#### Right Cheek/Zoom Scan (5x5x7)/Cube 0:

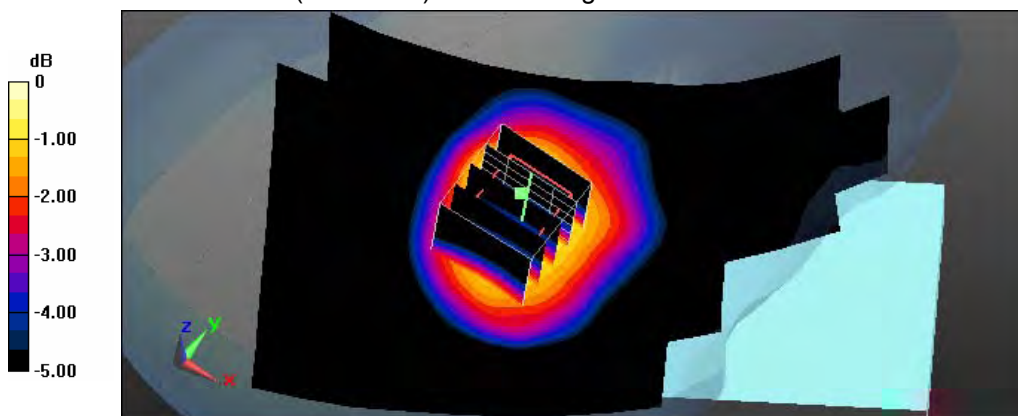
Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.164 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 0.222 W/kg

**SAR(1 g) = 0.153 W/kg; SAR(10 g) = 0.108 W/kg**

Maximum value of SAR (measured) = 0.187 W/kg



0 dB = 0.187 W/kg = -7.28 dBW/kg

Test Laboratory: A Test Lab Techno Corp.

Date: 2014/9/11 Time: PM 09:57:13

**60\_RT\_GSM 850 CH251\_SIM2**

**DUT: 88 Tauri; Type: GSM/WCDMA/LTE Android Smartphone; Serial: 356537050195636**

Communication System: UID 0, GSM850 (0); Frequency: 848.8 MHz; Duty Cycle: 1:8

Medium parameters used:  $f = 849 \text{ MHz}$ ;  $\sigma = 0.937 \text{ S/m}$ ;  $\epsilon_r = 42.676$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977; ConvF(9.62, 9.62, 9.62); Calibrated: 2014/2/17;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2014/2/25
- Phantom: SAM with CRP; Type: SAM; Serial: TP-1150 and higher
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Right Tilted/Area Scan (81x141x1):**

Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.128 W/kg

**Right Tilted/Zoom Scan (5x5x7)/Cube 0:**

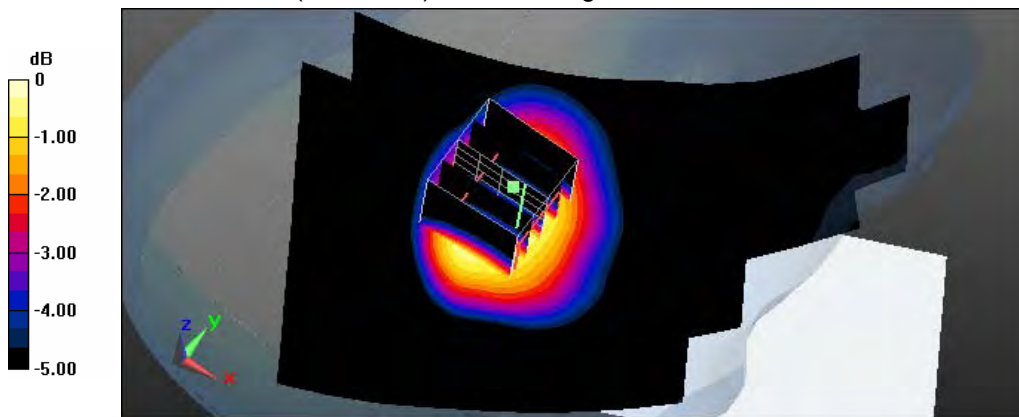
Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 11.031 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.146 W/kg

**SAR(1 g) = 0.104 W/kg; SAR(10 g) = 0.073 W/kg**

Maximum value of SAR (measured) = 0.126 W/kg



0 dB = 0.126 W/kg = -9.00 dBW/kg

Test Laboratory: A Test Lab Techno Corp.

Date: 2014/9/11Time: PM 10:36:27

**61\_LC\_GSM 850 CH251\_SIM2**

**DUT: 88 Tauri;Type: GSM/WCDMA/LTE Android Smartphone;Serial: 356537050195636**

Communication System: UID 0, GSM850 (0);Frequency: 848.8 MHz;Duty Cycle: 1:8

Medium parameters used:  $f = 849$  MHz;  $\sigma = 0.937$  S/m;  $\epsilon_r = 42.676$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977;ConvF(9.62, 9.62, 9.62); Calibrated: 2014/2/17;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779;Calibrated: 2014/2/25
- Phantom: SAM with CRP;Type: SAM;Serial: TP-1150 and higher
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

**Left Cheek/Area Scan (81x141x1):**

Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.273 W/kg

**Left Cheek/Zoom Scan (5x5x7)/Cube 0:**

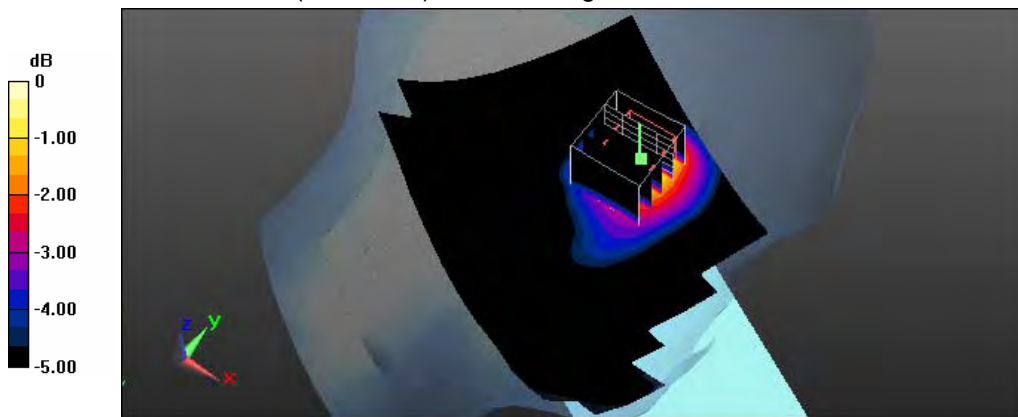
Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.022 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.352 W/kg

**SAR(1 g) = 0.212 W/kg; SAR(10 g) = 0.129 W/kg**

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



0 dB = 0.282 W/kg = -5.50 dBW/kg

Test Laboratory: A Test Lab Techno Corp.

Date: 2014/9/11 Time: PM 10:57:58

**62\_LT\_GSM 850 CH251\_SIM2**

**DUT: 88 Tauri; Type: GSM/WCDMA/LTE Android Smartphone; Serial: 356537050195636**

Communication System: UID 0, GSM850 (0); Frequency: 848.8 MHz; Duty Cycle: 1:8

Medium parameters used:  $f = 849 \text{ MHz}$ ;  $\sigma = 0.937 \text{ S/m}$ ;  $\epsilon_r = 42.676$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977; ConvF(9.62, 9.62, 9.62); Calibrated: 2014/2/17;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2014/2/25
- Phantom: SAM with CRP; Type: SAM; Serial: TP-1150 and higher
- Measurement SW: DASYS2, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Left Tilted/Area Scan (81x141x1):**

Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.230 W/kg

**Left Tilted/Zoom Scan (5x5x7)/Cube 0:**

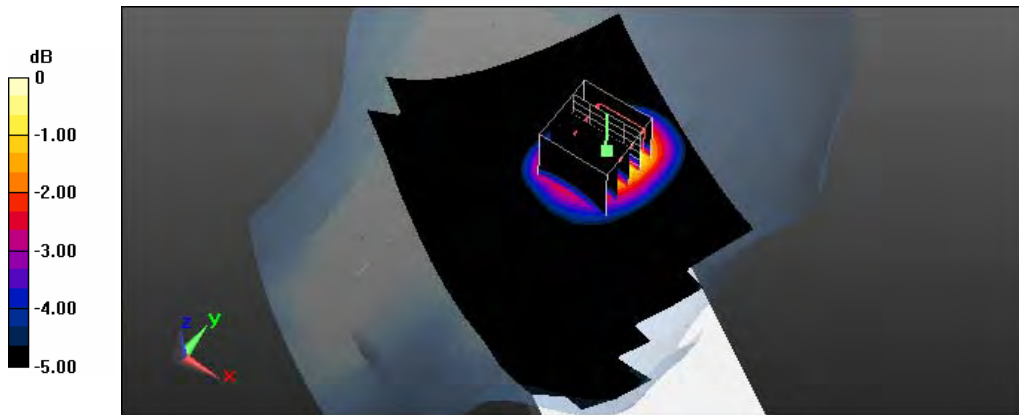
Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 11.093 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.286 W/kg

**SAR(1 g) = 0.173 W/kg; SAR(10 g) = 0.107 W/kg**

Maximum value of SAR (measured) = 0.221 W/kg



0 dB = 0.221 W/kg = -6.56 dBW/kg



Test Laboratory: A Test Lab Techno Corp.

Date: 2014/9/12 Time: AM 12:06:50

**63\_RC\_GPRS 850 CH190\_3D2U\_SIM2**

**DUT: 88 Tauri; Type: GSM/WCDMA/LTE Android Smartphone; Serial: 356537050195636**

Communication System: UID 0, GPRS 850 (3Down, 2Up) (0); Frequency: 836.6 MHz; Duty Cycle: 1:4

Medium parameters used:  $f = 837 \text{ MHz}$ ;  $\sigma = 0.911 \text{ S/m}$ ;  $\epsilon_r = 42.448$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977; ConvF(9.62, 9.62, 9.62); Calibrated: 2014/2/17;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2014/2/25
- Phantom: SAM with CRP; Type: SAM; Serial: TP-1150 and higher
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Right Cheek/Area Scan (81x141x1):**

Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.134 W/kg

**Right Cheek/Zoom Scan (5x5x7)/Cube 0:**

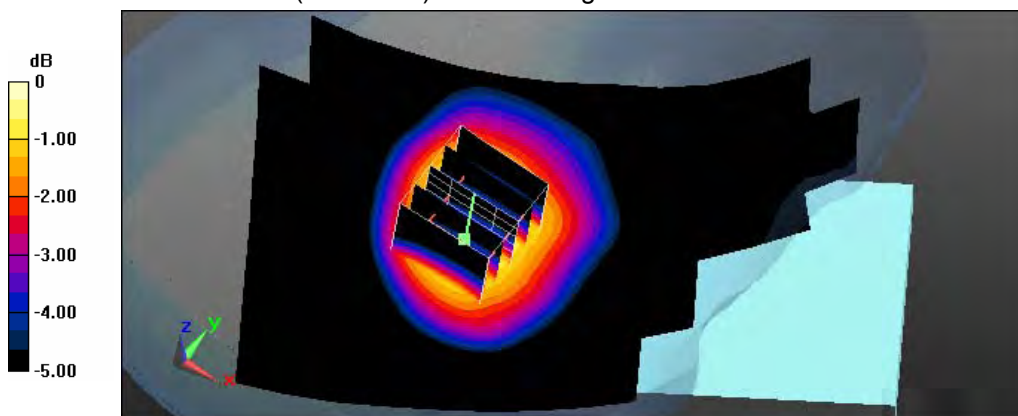
Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 10.703 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.157 W/kg

**SAR(1 g) = 0.117 W/kg; SAR(10 g) = 0.085 W/kg**

Maximum value of SAR (measured) = 0.139 W/kg



0 dB = 0.139 W/kg = -8.57 dBW/kg



Test Laboratory: A Test Lab Techno Corp.

Date: 2014/9/12 Time: AM 12:31:49

**64\_RT\_GPRS 850 CH190\_3D2U\_SIM2**

**DUT: 88 Tauri; Type: GSM/WCDMA/LTE Android Smartphone; Serial: 356537050195636**

Communication System: UID 0, GPRS 850 (3Down, 2Up) (0); Frequency: 836.6 MHz; Duty Cycle: 1:4

Medium parameters used:  $f = 837 \text{ MHz}$ ;  $\sigma = 0.911 \text{ S/m}$ ;  $\epsilon_r = 42.448$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977; ConvF(9.62, 9.62, 9.62); Calibrated: 2014/2/17;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2014/2/25
- Phantom: SAM with CRP; Type: SAM; Serial: TP-1150 and higher
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Right Tilted/Area Scan (81x141x1):**

Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

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

**Right Tilted/Zoom Scan (5x5x7)/Cube 0:**

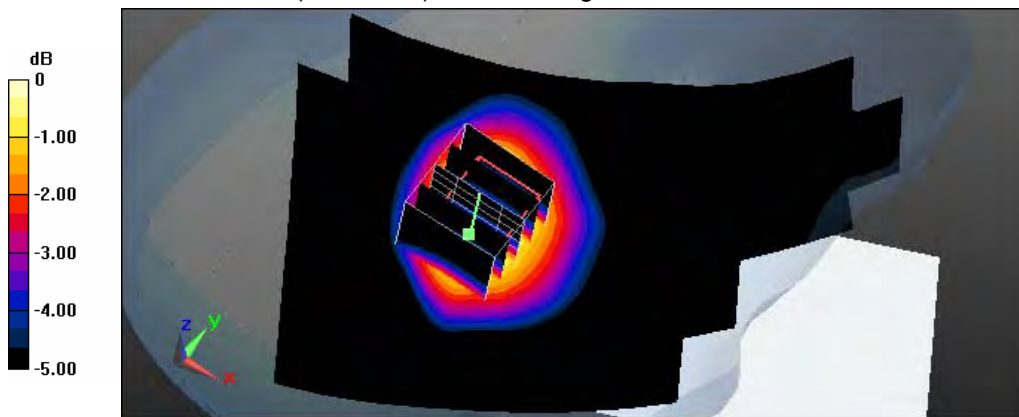
Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 10.794 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.126 W/kg

**SAR(1 g) = 0.091 W/kg; SAR(10 g) = 0.064 W/kg**

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



0 dB = 0.110 W/kg = -9.59 dBW/kg

Test Laboratory: A Test Lab Techno Corp.

Date: 2014/9/12 Time: AM 12:54:36

**65\_LC\_GPRS 850 CH190\_3D2U\_SIM2**

**DUT: 88 Tauri; Type: GSM/WCDMA/LTE Android Smartphone; Serial: 356537050195636**

Communication System: UID 0, GPRS 850 (3Down, 2Up) (0); Frequency: 836.6 MHz; Duty Cycle: 1:4

Medium parameters used:  $f = 837 \text{ MHz}$ ;  $\sigma = 0.911 \text{ S/m}$ ;  $\epsilon_r = 42.448$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977; ConvF(9.62, 9.62, 9.62); Calibrated: 2014/2/17;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2014/2/25
- Phantom: SAM with CRP; Type: SAM; Serial: TP-1150 and higher
- Measurement SW: DASYS2, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Left Cheek/Area Scan (81x141x1):**

Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.204 W/kg

**Left Cheek/Zoom Scan (5x5x7)/Cube 0:**

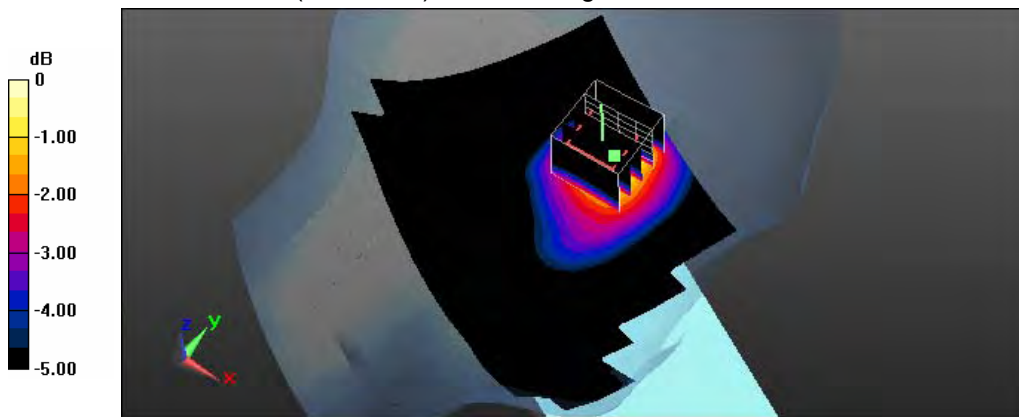
Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 9.277 V/m; Power Drift = -0.19 dB

Peak SAR (extrapolated) = 0.269 W/kg

**SAR(1 g) = 0.160 W/kg; SAR(10 g) = 0.098 W/kg**

Maximum value of SAR (measured) = 0.203 W/kg



0 dB = 0.203 W/kg = -6.93 dBW/kg

Test Laboratory: A Test Lab Techno Corp.

Date: 2014/9/12 Time: AM 01:17:22

**66\_LT\_GPRS 850 CH190\_3D2U\_SIM2**

**DUT: 88 Tauri; Type: GSM/WCDMA/LTE Android Smartphone; Serial: 356537050195636**

Communication System: UID 0, GPRS 850 (3Down, 2Up) (0); Frequency: 836.6 MHz; Duty Cycle: 1:4

Medium parameters used:  $f = 837 \text{ MHz}$ ;  $\sigma = 0.911 \text{ S/m}$ ;  $\epsilon_r = 42.448$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977; ConvF(9.62, 9.62, 9.62); Calibrated: 2014/2/17;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2014/2/25
- Phantom: SAM with CRP; Type: SAM; Serial: TP-1150 and higher
- Measurement SW: DASYS2, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Left Tilted/Area Scan (81x141x1):**

Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.181 W/kg

**Left Tilted/Zoom Scan (5x5x7)/Cube 0:**

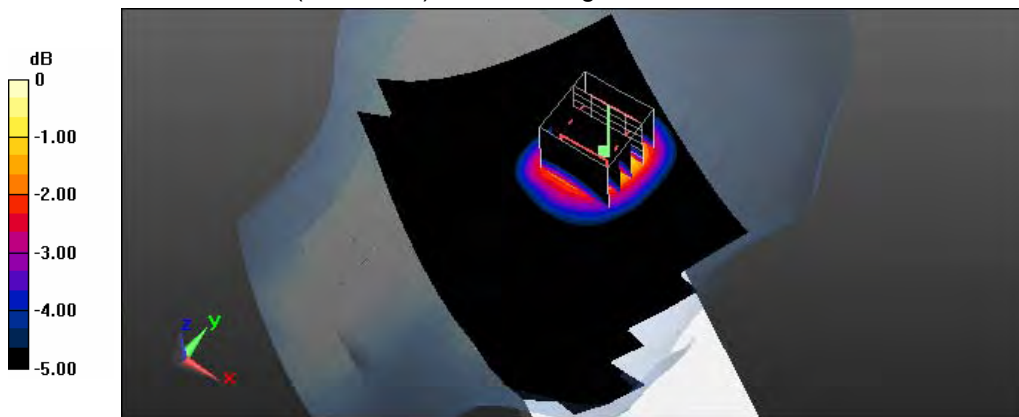
Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 9.824 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.223 W/kg

**SAR(1 g) = 0.137 W/kg; SAR(10 g) = 0.086 W/kg**

Maximum value of SAR (measured) = 0.182 W/kg



0 dB = 0.182 W/kg = -7.40 dBW/kg

Test Laboratory: A Test Lab Techno Corp.

Date: 2014/9/12 Time: AM 01:41:47

**67\_RC\_DTM 850 CH128\_2D3U\_SIM2**

**DUT: 88 Tauri; Type: GSM/WCDMA/LTE Android Smartphone; Serial: 356537050195636**

Communication System: UID 0, DTM 850 (2Down, 3Up) (0); Frequency: 824.2 MHz; Duty Cycle: 1:2.8

Medium parameters used (interpolated):  $f = 824.2$  MHz;  $\sigma = 0.876$  S/m;  $\epsilon_r = 42.357$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977; ConvF(9.62, 9.62, 9.62); Calibrated: 2014/2/17;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2014/2/25
- Phantom: SAM with CRP; Type: SAM; Serial: TP-1150 and higher
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Right Cheek/Area Scan (81x141x1):**

Interpolated grid:  $dx=1.500$  mm,  $dy=1.500$  mm

Maximum value of SAR (interpolated) = 0.0989 W/kg

**Right Cheek/Zoom Scan (5x5x7)/Cube 0:**

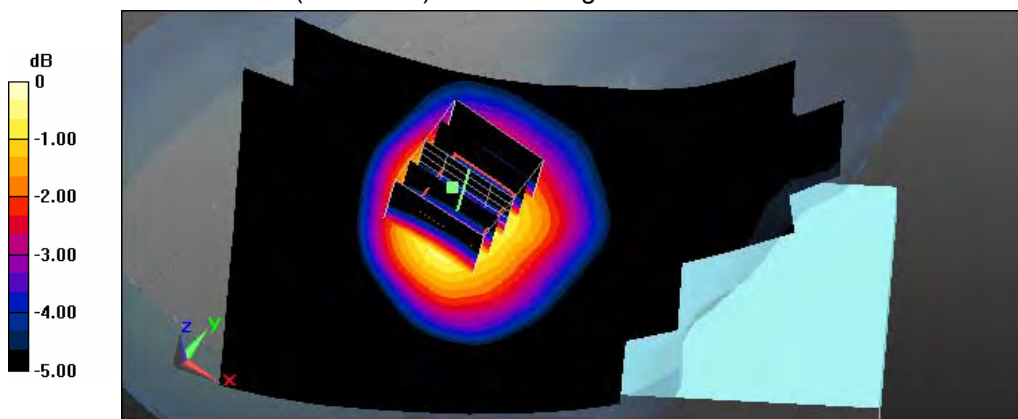
Measurement grid:  $dx=8$  mm,  $dy=8$  mm,  $dz=5$  mm

Reference Value = 9.087 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 0.115 W/kg

**SAR(1 g) = 0.084 W/kg; SAR(10 g) = 0.060 W/kg**

Maximum value of SAR (measured) = 0.101 W/kg



0 dB = 0.101 W/kg = -9.96 dBW/kg

Test Laboratory: A Test Lab Techno Corp.

Date: 2014/9/12 Time: AM 02:10:18

**68\_RT\_DTM 850 CH128\_2D3U\_SIM2**

**DUT: 88 Tauri; Type: GSM/WCDMA/LTE Android Smartphone; Serial: 356537050195636**

Communication System: UID 0, DTM 850 (2Down, 3Up) (0); Frequency: 824.2 MHz; Duty Cycle: 1:2.8

Medium parameters used (interpolated):  $f = 824.2$  MHz;  $\sigma = 0.876$  S/m;  $\epsilon_r = 42.357$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977; ConvF(9.62, 9.62, 9.62); Calibrated: 2014/2/17;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2014/2/25
- Phantom: SAM with CRP; Type: SAM; Serial: TP-1150 and higher
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Right Tilted/Area Scan (81x141x1):**

Interpolated grid:  $dx=1.500$  mm,  $dy=1.500$  mm

Maximum value of SAR (interpolated) = 0.0839 W/kg

**Right Tilted/Zoom Scan (5x5x7)/Cube 0:**

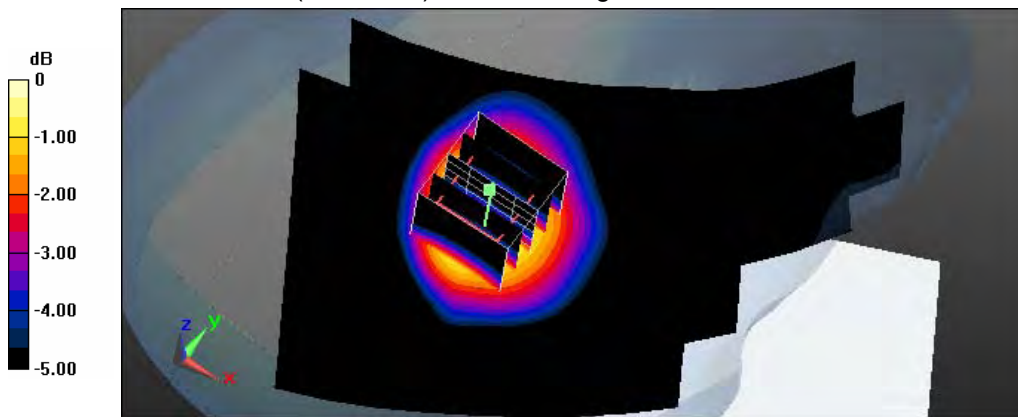
Measurement grid:  $dx=8$  mm,  $dy=8$  mm,  $dz=5$  mm

Reference Value = 9.235 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.0970 W/kg

**SAR(1 g) = 0.070 W/kg; SAR(10 g) = 0.049 W/kg**

Maximum value of SAR (measured) = 0.0831 W/kg



0 dB = 0.0831 W/kg = -10.80 dBW/kg

Test Laboratory: A Test Lab Techno Corp.

Date: 2014/9/12 Time: AM 09:15:59

**69\_LC\_DTM 850 CH128\_2D3U\_SIM2**

**DUT: 88 Tauri; Type: GSM/WCDMA/LTE Android Smartphone; Serial: 356537050195636**

Communication System: UID 0, DTM 850 (2Down, 3Up) (0); Frequency: 824.2 MHz; Duty Cycle: 1:2.8

Medium parameters used (interpolated):  $f = 824.2$  MHz;  $\sigma = 0.876$  S/m;  $\epsilon_r = 42.357$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977; ConvF(9.62, 9.62, 9.62); Calibrated: 2014/2/17;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2014/2/25
- Phantom: SAM with CRP; Type: SAM; Serial: TP-1150 and higher
- Measurement SW: DASYS52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Left Cheek/Area Scan (81x141x1):**

Interpolated grid:  $dx=1.500$  mm,  $dy=1.500$  mm

Maximum value of SAR (interpolated) = 0.143 W/kg

**Left Cheek/Zoom Scan (5x5x7)/Cube 0:**

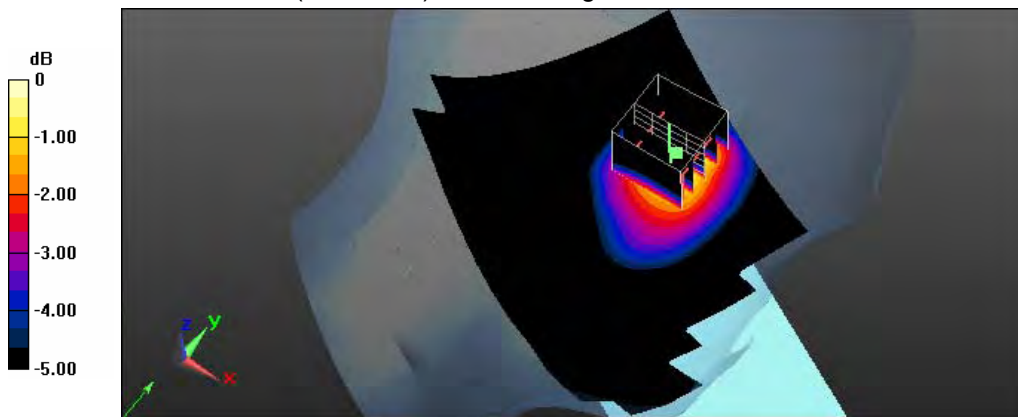
Measurement grid:  $dx=8$  mm,  $dy=8$  mm,  $dz=5$  mm

Reference Value = 7.396 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 0.185 W/kg

**SAR(1 g) = 0.112 W/kg; SAR(10 g) = 0.070 W/kg**

Maximum value of SAR (measured) = 0.145 W/kg



0 dB = 0.145 W/kg = -8.39 dBW/kg

Test Laboratory: A Test Lab Techno Corp.

Date: 2014/9/12 Time: AM 09:36:43

**70\_LT\_DTM 850 CH128\_2D3U\_SIM2**

**DUT: 88 Tauri; Type: GSM/WCDMA/LTE Android Smartphone; Serial: 356537050195636**

Communication System: UID 0, DTM 850 (2Down, 3Up) (0); Frequency: 824.2 MHz; Duty Cycle: 1:2.8

Medium parameters used (interpolated):  $f = 824.2$  MHz;  $\sigma = 0.876$  S/m;  $\epsilon_r = 42.357$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977; ConvF(9.62, 9.62, 9.62); Calibrated: 2014/2/17;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2014/2/25
- Phantom: SAM with CRP; Type: SAM; Serial: TP-1150 and higher
- Measurement SW: DASYS2, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Left Tilted/Area Scan (81x141x1):**

Interpolated grid:  $dx=1.500$  mm,  $dy=1.500$  mm

Maximum value of SAR (interpolated) = 0.121 W/kg

**Left Tilted/Zoom Scan (5x5x7)/Cube 0:**

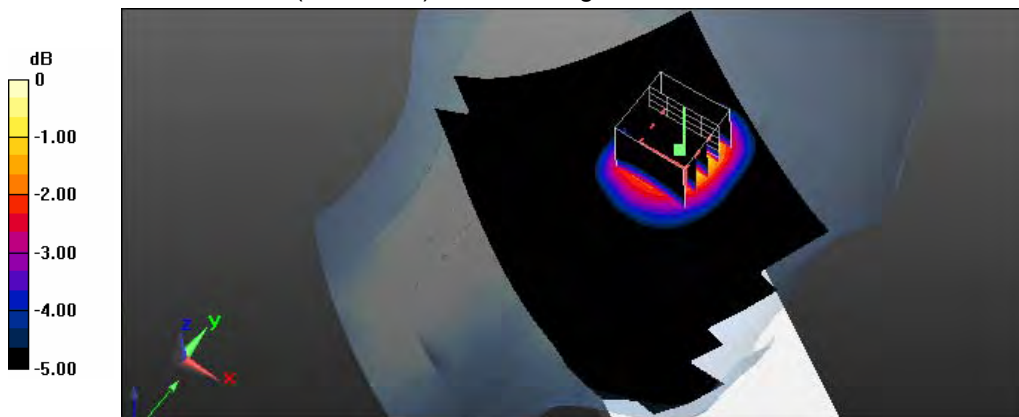
Measurement grid:  $dx=8$  mm,  $dy=8$  mm,  $dz=5$  mm

Reference Value = 8.187 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 0.147 W/kg

**SAR(1 g) = 0.090 W/kg; SAR(10 g) = 0.057 W/kg**

Maximum value of SAR (measured) = 0.119 W/kg



0 dB = 0.119 W/kg = -9.24 dBW/kg



Test Laboratory: A Test Lab Techno Corp.

Date: 2014/9/13 Time: AM 02:14:50

### 95\_RC\_PCS CH810\_SIM2

**DUT: 88 Tauri; Type: GSM/WCDMA/LTE Android Smartphone; Serial: 356537050195636**

Communication System: UID 0, PCS (0); Frequency: 1909.8 MHz; Duty Cycle: 1:8

Medium parameters used:  $f = 1910 \text{ MHz}$ ;  $\sigma = 1.402 \text{ S/m}$ ;  $\epsilon_r = 40.66$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977; ConvF(7.97, 7.97, 7.97); Calibrated: 2014/2/17;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2014/2/25
- Phantom: SAM with CRP; Type: SAM; Serial: TP-1150 and higher
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

### Right Cheek/Area Scan (81x141x1):

Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.370 W/kg

### Right Cheek/Zoom Scan (5x5x7)/Cube 0:

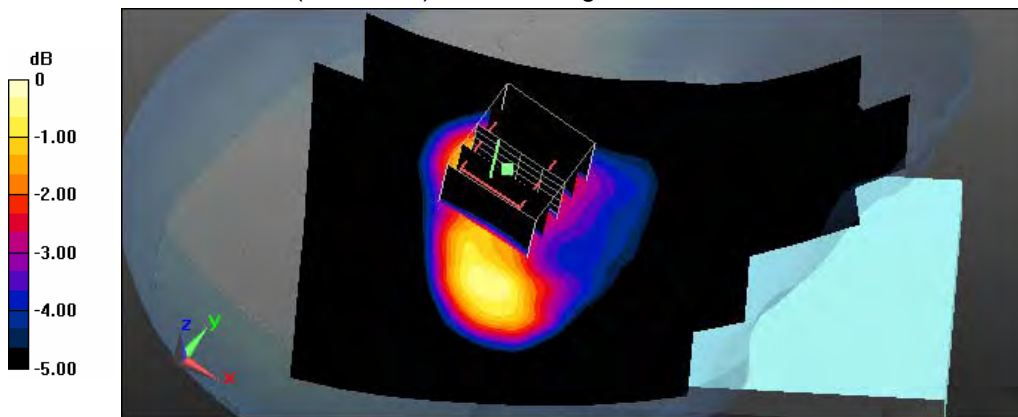
Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 13.901 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.434 W/kg

**SAR(1 g) = 0.258 W/kg; SAR(10 g) = 0.145 W/kg**

Maximum value of SAR (measured) = 0.336 W/kg



0 dB = 0.336 W/kg = -4.74 dBW/kg



Test Laboratory: A Test Lab Techno Corp.

Date: 2014/9/13 Time: AM 02:35:31

**96\_RT\_PCS CH810\_SIM2**

**DUT: 88 Tauri; Type: GSM/WCDMA/LTE Android Smartphone; Serial: 356537050195636**

Communication System: UID 0, PCS (0); Frequency: 1909.8 MHz; Duty Cycle: 1:8

Medium parameters used:  $f = 1910 \text{ MHz}$ ;  $\sigma = 1.402 \text{ S/m}$ ;  $\epsilon_r = 40.66$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977; ConvF(7.97, 7.97, 7.97); Calibrated: 2014/2/17;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2014/2/25
- Phantom: SAM with CRP; Type: SAM; Serial: TP-1150 and higher
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Right Tilted/Area Scan (81x141x1):**

Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.333 W/kg

**Right Tilted/Zoom Scan (5x5x7)/Cube 0:**

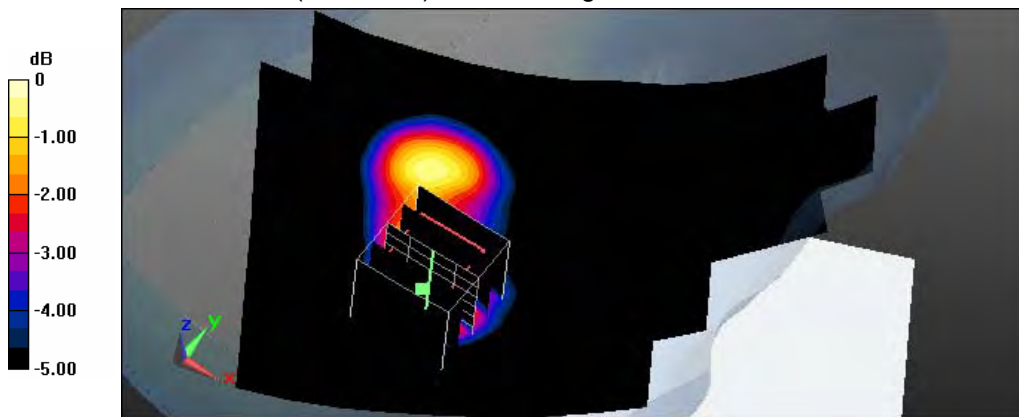
Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 13.277 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.391 W/kg

**SAR(1 g) = 0.246 W/kg; SAR(10 g) = 0.144 W/kg**

Maximum value of SAR (measured) = 0.319 W/kg



0 dB = 0.319 W/kg = -4.96 dBW/kg

Test Laboratory: A Test Lab Techno Corp.

Date: 2014/9/13 Time: AM 09:07:17

#### 97\_LC\_PCS CH810\_SIM2

**DUT: 88 Tauri; Type: GSM/WCDMA/LTE Android Smartphone; Serial: 356537050195636**

Communication System: UID 0, PCS (0); Frequency: 1909.8 MHz; Duty Cycle: 1:8

Medium parameters used:  $f = 1910$  MHz;  $\sigma = 1.402$  S/m;  $\epsilon_r = 40.66$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977; ConvF(7.97, 7.97, 7.97); Calibrated: 2014/2/17;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2014/2/25
- Phantom: SAM with CRP; Type: SAM; Serial: TP-1150 and higher
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

#### Left Cheek/Area Scan (81x141x1):

Interpolated grid:  $dx=1.500$  mm,  $dy=1.500$  mm

Maximum value of SAR (interpolated) = 0.616 W/kg

#### Left Cheek/Zoom Scan (5x5x7)/Cube 0:

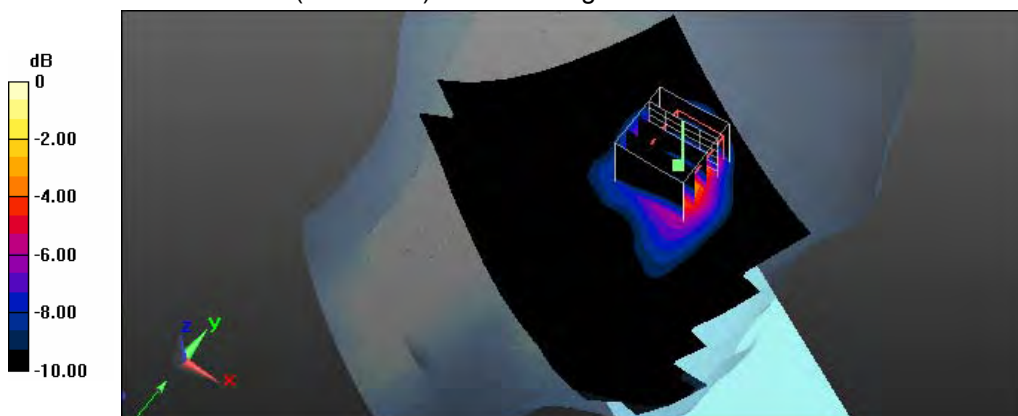
Measurement grid:  $dx=8$  mm,  $dy=8$  mm,  $dz=5$  mm

Reference Value = 8.795 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 0.985 W/kg

**SAR(1 g) = 0.535 W/kg; SAR(10 g) = 0.259 W/kg**

Maximum value of SAR (measured) = 0.787 W/kg



0 dB = 0.787 W/kg = -1.04 dBW/kg

Test Laboratory: A Test Lab Techno Corp.

Date: 2014/9/13 Time: AM 09:27:11

**98\_LT\_PCS CH810\_SIM2**

**DUT: 88 Tauri; Type: GSM/WCDMA/LTE Android Smartphone; Serial: 356537050195636**

Communication System: UID 0, PCS (0); Frequency: 1909.8 MHz; Duty Cycle: 1:8

Medium parameters used:  $f = 1910 \text{ MHz}$ ;  $\sigma = 1.402 \text{ S/m}$ ;  $\epsilon_r = 40.66$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977; ConvF(7.97, 7.97, 7.97); Calibrated: 2014/2/17;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2014/2/25
- Phantom: SAM with CRP; Type: SAM; Serial: TP-1150 and higher
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Left Tilted/Area Scan (81x141x1):**

Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.497 W/kg

**Left Tilted/Zoom Scan (5x5x7)/Cube 0:**

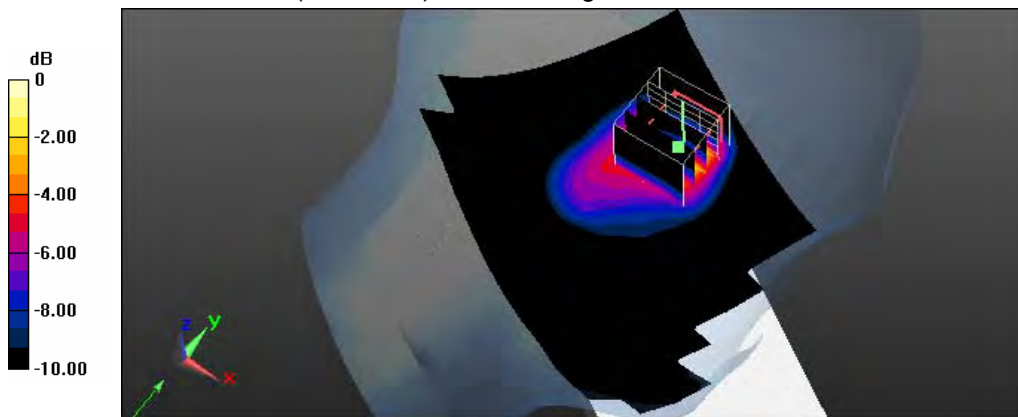
Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 10.815 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.721 W/kg

**SAR(1 g) = 0.408 W/kg; SAR(10 g) = 0.208 W/kg**

Maximum value of SAR (measured) = 0.578 W/kg



0 dB = 0.578 W/kg = -2.38 dBW/kg

Test Laboratory: A Test Lab Techno Corp.

Date: 2014/9/13 Time: AM 12:30:32

**99\_RC\_GPRS\_PCS\_CH810\_2D3U\_SIM2**

**DUT: 88 Tauri; Type: GSM/WCDMA/LTE Android Smartphone; Serial: 356537050195636**

Communication System: UID 0, GPRS PCS (2Down,3Up) (0); Frequency: 1909.8 MHz; Duty Cycle: 1:2.67

Medium parameters used:  $f = 1910$  MHz;  $\sigma = 1.402$  S/m;  $\epsilon_r = 40.66$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977; ConvF(7.97, 7.97, 7.97); Calibrated: 2014/2/17;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2014/2/25
- Phantom: SAM with CRP; Type: SAM; Serial: TP-1150 and higher
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Right Cheek/Area Scan (81x141x1):**

Interpolated grid:  $dx=1.500$  mm,  $dy=1.500$  mm

Maximum value of SAR (interpolated) = 0.284 W/kg

**Right Cheek/Zoom Scan (5x5x7)/Cube 0:**

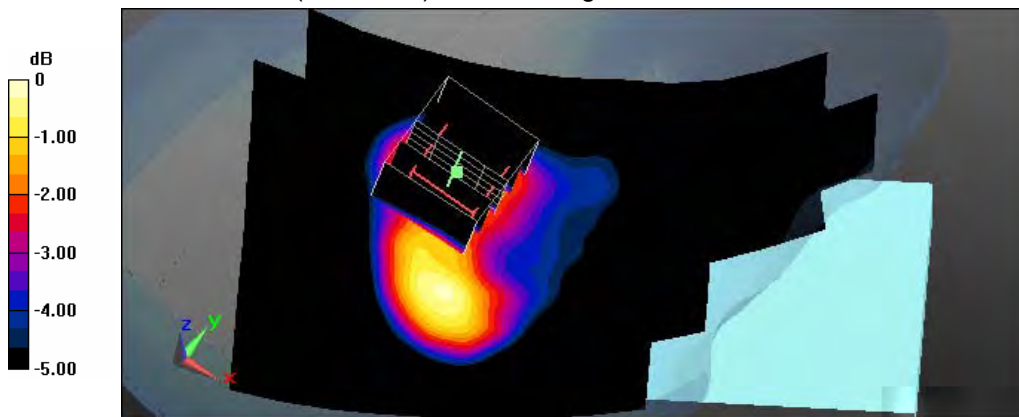
Measurement grid:  $dx=8$  mm,  $dy=8$  mm,  $dz=5$  mm

Reference Value = 12.504 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.334 W/kg

**SAR(1 g) = 0.201 W/kg; SAR(10 g) = 0.114 W/kg**

Maximum value of SAR (measured) = 0.258 W/kg



0 dB = 0.258 W/kg = -5.88 dBW/kg

Test Laboratory: A Test Lab Techno Corp.

Date: 2014/9/13 Time: AM 12:50:35

**100\_RT\_GPRS PCS CH810\_2D3U\_SIM2**

**DUT: 88 Tauri; Type: GSM/WCDMA/LTE Android Smartphone; Serial: 356537050195636**

Communication System: UID 0, GPRS PCS (2Down,3Up) (0); Frequency: 1909.8 MHz; Duty Cycle: 1:2.67

Medium parameters used:  $f = 1910$  MHz;  $\sigma = 1.402$  S/m;  $\epsilon_r = 40.66$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977; ConvF(7.97, 7.97, 7.97); Calibrated: 2014/2/17;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2014/2/25
- Phantom: SAM with CRP; Type: SAM; Serial: TP-1150 and higher
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Right Tilted/Area Scan (81x141x1):**

Interpolated grid:  $dx=1.500$  mm,  $dy=1.500$  mm

Maximum value of SAR (interpolated) = 0.241 W/kg

**Right Tilted/Zoom Scan (5x5x7)/Cube 0:**

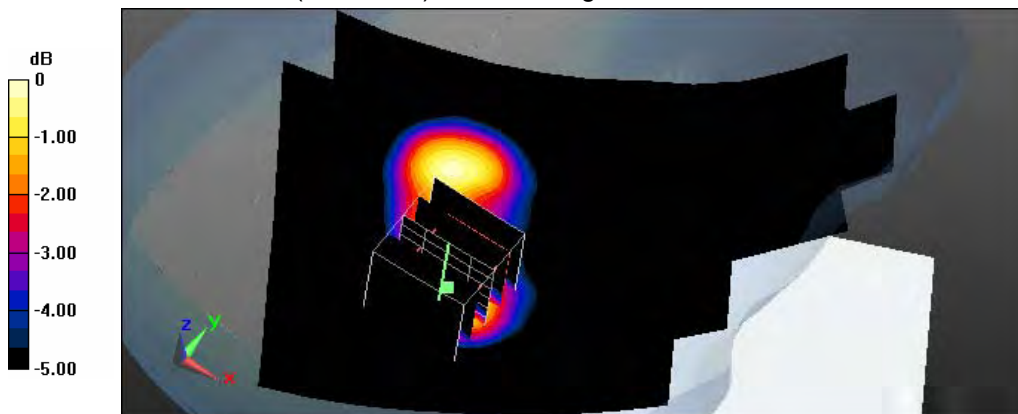
Measurement grid:  $dx=8$  mm,  $dy=8$  mm,  $dz=5$  mm

Reference Value = 11.764 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 0.290 W/kg

**SAR(1 g) = 0.185 W/kg; SAR(10 g) = 0.108 W/kg**

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



0 dB = 0.238 W/kg = -6.23 dBW/kg

Test Laboratory: A Test Lab Techno Corp.

Date: 2014/9/13 Time: AM 01:18:26

**101\_LC\_GPRS PCS CH810\_2D3U\_SIM2**

**DUT: 88 Tauri; Type: GSM/WCDMA/LTE Android Smartphone; Serial: 356537050195636**

Communication System: UID 0, GPRS PCS (2Down,3Up) (0); Frequency: 1909.8 MHz; Duty Cycle: 1:2.67

Medium parameters used:  $f = 1910$  MHz;  $\sigma = 1.402$  S/m;  $\epsilon_r = 40.66$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977; ConvF(7.97, 7.97, 7.97); Calibrated: 2014/2/17;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2014/2/25
- Phantom: SAM with CRP; Type: SAM; Serial: TP-1150 and higher
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Left Cheek/Area Scan (81x141x1):**

Interpolated grid:  $dx=1.500$  mm,  $dy=1.500$  mm

Maximum value of SAR (interpolated) = 0.603 W/kg

**Left Cheek/Zoom Scan (5x5x7)/Cube 0:**

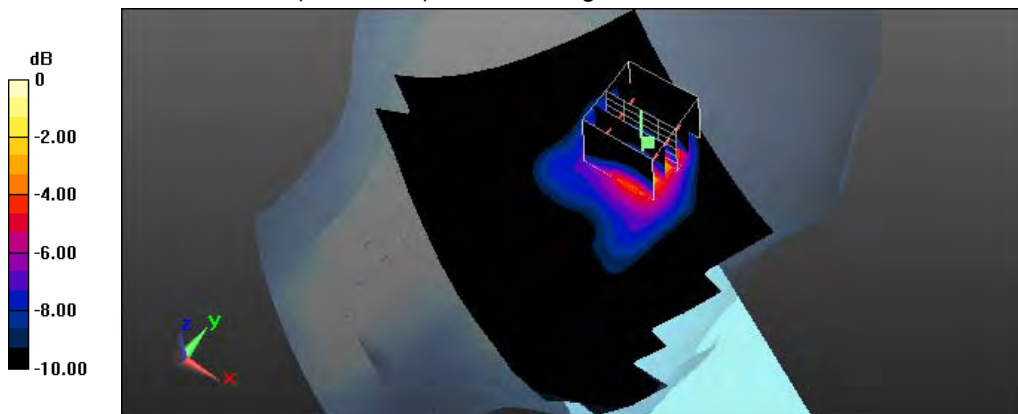
Measurement grid:  $dx=8$  mm,  $dy=8$  mm,  $dz=5$  mm

Reference Value = 10.064 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.949 W/kg

**SAR(1 g) = 0.504 W/kg; SAR(10 g) = 0.245 W/kg**

Maximum value of SAR (measured) = 0.763 W/kg



0 dB = 0.763 W/kg = -1.17 dBW/kg

Test Laboratory: A Test Lab Techno Corp.

Date: 2014/9/13Time: AM 01:46:21

**102\_LT\_GPRS PCS CH810\_2D3U\_SIM2**

**DUT: 88 Tauri;Type: GSM/WCDMA/LTE Android Smartphone;Serial: 356537050195636**

Communication System: UID 0, GPRS PCS (2Down,3Up) (0);Frequency: 1909.8 MHz;Duty Cycle: 1:2.67

Medium parameters used:  $f = 1910 \text{ MHz}$ ;  $\sigma = 1.402 \text{ S/m}$ ;  $\epsilon_r = 40.66$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977;ConvF(7.97, 7.97, 7.97); Calibrated: 2014/2/17;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779;Calibrated: 2014/2/25
- Phantom: SAM with CRP;Type: SAM;Serial: TP-1150 and higher
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

**Left Tilted/Area Scan (81x141x1):**

Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

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

**Left Tilted/Zoom Scan (5x5x7)/Cube 0:**

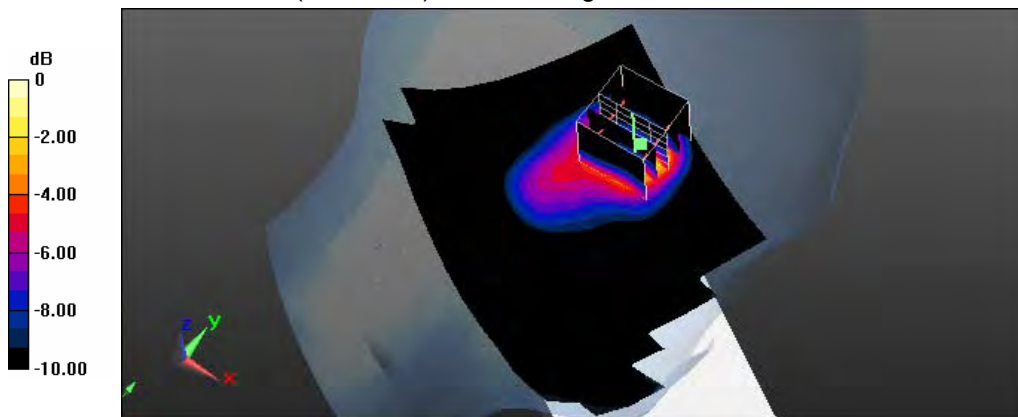
Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 11.269 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.708 W/kg

**SAR(1 g) = 0.407 W/kg; SAR(10 g) = 0.208 W/kg**

Maximum value of SAR (measured) = 0.572 W/kg



0 dB = 0.572 W/kg = -2.43 dBW/kg



Test Laboratory: A Test Lab Techno Corp.

Date: 2014/9/13 Time: AM 10:31:20

**103\_RC\_DTM PCS CH810\_2D3U\_SIM2**

**DUT: 88 Tauri; Type: GSM/WCDMA/LTE Android Smartphone; Serial: 356537050195636**

Communication System: UID 0, DTM PCS (2Down,3Up) (0); Frequency: 1909.8 MHz; Duty Cycle: 1:2.8

Medium parameters used:  $f = 1910$  MHz;  $\sigma = 1.402$  S/m;  $\epsilon_r = 40.66$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977; ConvF(7.97, 7.97, 7.97); Calibrated: 2014/2/17;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2014/2/25
- Phantom: SAM with CRP; Type: SAM; Serial: TP-1150 and higher
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Right Cheek/Area Scan (81x141x1):**

Interpolated grid:  $dx=1.500$  mm,  $dy=1.500$  mm

Maximum value of SAR (interpolated) = 0.253 W/kg

**Right Cheek/Zoom Scan (5x5x7)/Cube 0:**

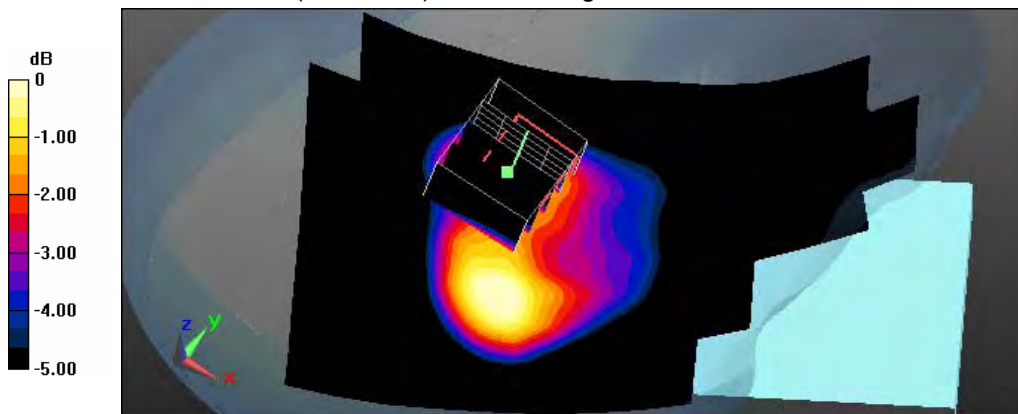
Measurement grid:  $dx=8$  mm,  $dy=8$  mm,  $dz=5$  mm

Reference Value = 11.462 V/m; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 0.305 W/kg

**SAR(1 g) = 0.180 W/kg; SAR(10 g) = 0.102 W/kg**

Maximum value of SAR (measured) = 0.241 W/kg



0 dB = 0.241 W/kg = -6.18 dBW/kg



Test Laboratory: A Test Lab Techno Corp.

Date: 2014/9/13 Time: AM 10:51:04

**104\_RT\_DTM PCS CH810\_2D3U\_SIM2**

**DUT: 88 Tauri; Type: GSM/WCDMA/LTE Android Smartphone; Serial: 356537050195636**

Communication System: UID 0, DTM PCS (2Down,3Up) (0); Frequency: 1909.8 MHz; Duty Cycle: 1:2.8

Medium parameters used:  $f = 1910$  MHz;  $\sigma = 1.402$  S/m;  $\epsilon_r = 40.66$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977; ConvF(7.97, 7.97, 7.97); Calibrated: 2014/2/17;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2014/2/25
- Phantom: SAM with CRP; Type: SAM; Serial: TP-1150 and higher
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Right Tilted/Area Scan (81x141x1):**

Interpolated grid:  $dx=1.500$  mm,  $dy=1.500$  mm

Maximum value of SAR (interpolated) = 0.251 W/kg

**Right Tilted/Zoom Scan (5x5x7)/Cube 0:**

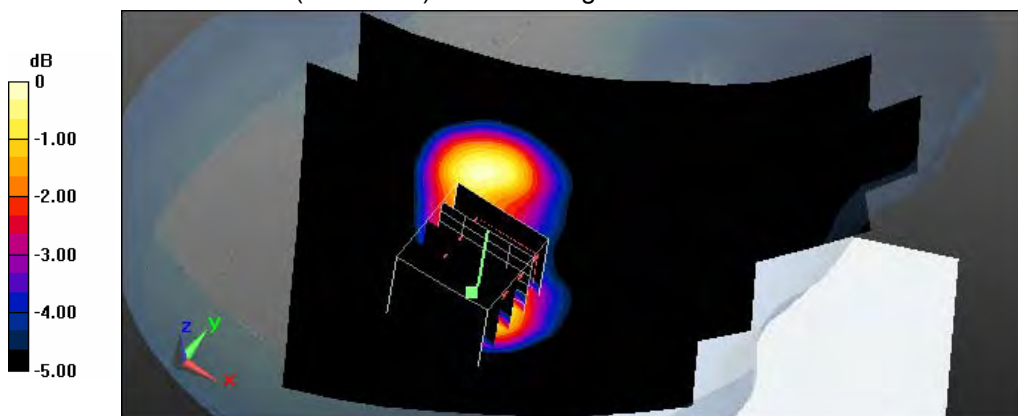
Measurement grid:  $dx=8$  mm,  $dy=8$  mm,  $dz=5$  mm

Reference Value = 11.782 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.309 W/kg

**SAR(1 g) = 0.194 W/kg; SAR(10 g) = 0.113 W/kg**

Maximum value of SAR (measured) = 0.244 W/kg



0 dB = 0.244 W/kg = -6.13 dBW/kg

Test Laboratory: A Test Lab Techno Corp.

Date: 2014/9/13 Time: AM 10:08:56

**105\_LC\_DTM PCS CH810\_2D3U\_SIM2**

**DUT: 88 Tauri; Type: GSM/WCDMA/LTE Android Smartphone; Serial: 356537050195636**

Communication System: UID 0, DTM PCS (2Down,3Up) (0); Frequency: 1909.8 MHz; Duty Cycle: 1:2.8

Medium parameters used:  $f = 1910$  MHz;  $\sigma = 1.402$  S/m;  $\epsilon_r = 40.66$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977; ConvF(7.97, 7.97, 7.97); Calibrated: 2014/2/17;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2014/2/25
- Phantom: SAM with CRP; Type: SAM; Serial: TP-1150 and higher
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Left Cheek/Area Scan (81x141x1):**

Interpolated grid:  $dx=1.500$  mm,  $dy=1.500$  mm

Maximum value of SAR (interpolated) = 0.518 W/kg

**Left Cheek/Zoom Scan (5x5x7)/Cube 0:**

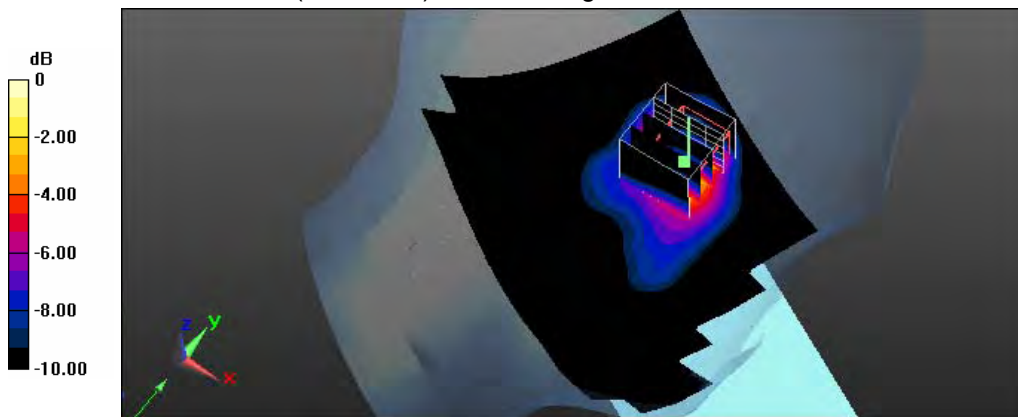
Measurement grid:  $dx=8$  mm,  $dy=8$  mm,  $dz=5$  mm

Reference Value = 8.520 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 0.794 W/kg

**SAR(1 g) = 0.438 W/kg; SAR(10 g) = 0.218 W/kg**

Maximum value of SAR (measured) = 0.634 W/kg



0 dB = 0.634 W/kg = -1.98 dBW/kg

Test Laboratory: A Test Lab Techno Corp.

Date: 2014/9/13 Time: AM 09:48:32

**106\_LT\_DTM PCS CH810\_2D3U\_SIM2**

**DUT: 88 Tauri; Type: GSM/WCDMA/LTE Android Smartphone; Serial: 356537050195636**

Communication System: UID 0, DTM PCS (2Down,3Up) (0); Frequency: 1909.8 MHz; Duty Cycle: 1:2.8

Medium parameters used:  $f = 1910$  MHz;  $\sigma = 1.402$  S/m;  $\epsilon_r = 40.66$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977; ConvF(7.97, 7.97, 7.97); Calibrated: 2014/2/17;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2014/2/25
- Phantom: SAM with CRP; Type: SAM; Serial: TP-1150 and higher
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Left Tilted/Area Scan (81x141x1):**

Interpolated grid:  $dx=1.500$  mm,  $dy=1.500$  mm

Maximum value of SAR (interpolated) = 0.336 W/kg

**Left Tilted/Zoom Scan (5x5x7)/Cube 0:**

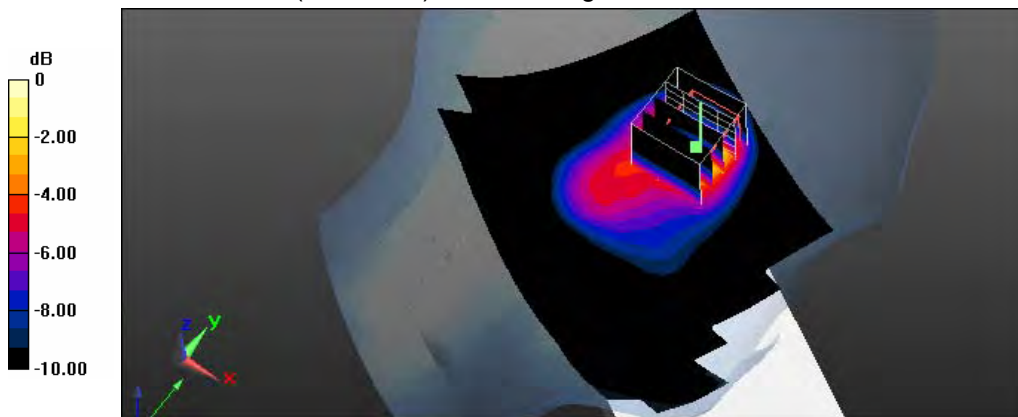
Measurement grid:  $dx=8$  mm,  $dy=8$  mm,  $dz=5$  mm

Reference Value = 9.797 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.470 W/kg

**SAR(1 g) = 0.273 W/kg; SAR(10 g) = 0.143 W/kg**

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



0 dB = 0.381 W/kg = -4.19 dBW/kg

Test Laboratory: A Test Lab Techno Corp.

Date: 2014/9/12 Time: PM 05:58:17

**91\_RC\_WCDMA BandII CH9262**

**DUT: 88 Tauri; Type: GSM/WCDMA/LTE Android Smartphone; Serial: 356537050191189**

Communication System: UID 0, WCDMA Band II (0); Frequency: 1852.4 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 1852.4$  MHz;  $\sigma = 1.346$  S/m;  $\epsilon_r = 40.815$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977; ConvF(7.97, 7.97, 7.97); Calibrated: 2014/2/17;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2014/2/25
- Phantom: SAM with CRP; Type: SAM; Serial: TP-1150 and higher
- Measurement SW: DASYS52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Right Cheek/Area Scan (81x141x1):**

Interpolated grid:  $dx=1.500$  mm,  $dy=1.500$  mm

Maximum value of SAR (interpolated) = 0.523 W/kg

**Right Cheek/Zoom Scan (5x5x7)/Cube 0:**

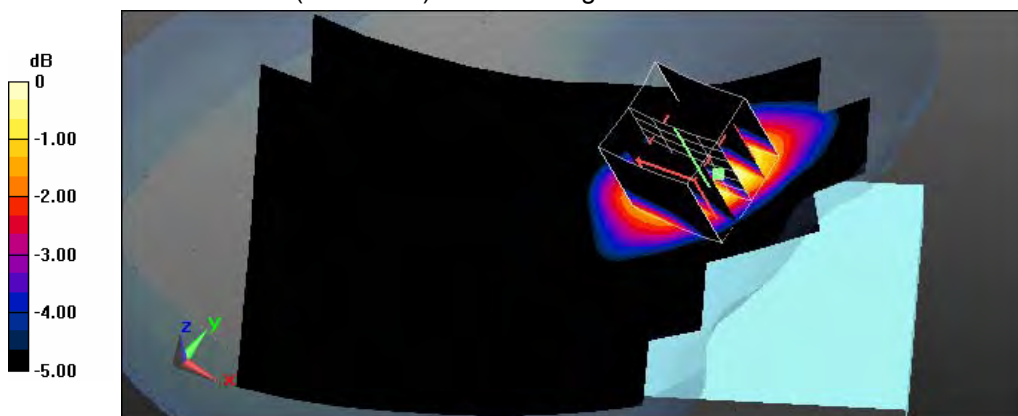
Measurement grid:  $dx=8$  mm,  $dy=8$  mm,  $dz=5$  mm

Reference Value = 6.782 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.641 W/kg

**SAR(1 g) = 0.414 W/kg; SAR(10 g) = 0.260 W/kg**

Maximum value of SAR (measured) = 0.517 W/kg



0 dB = 0.517 W/kg = -2.87 dBW/kg

Test Laboratory: A Test Lab Techno Corp.

Date: 2014/9/12 Time: PM 05:38:23

**92\_RT\_WCDMA BandII CH9262**

**DUT: 88 Tauri; Type: GSM/WCDMA/LTE Android Smartphone; Serial: 356537050191189**

Communication System: UID 0, WCDMA Band II (0); Frequency: 1852.4 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 1852.4$  MHz;  $\sigma = 1.346$  S/m;  $\epsilon_r = 40.815$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977; ConvF(7.97, 7.97, 7.97); Calibrated: 2014/2/17;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2014/2/25
- Phantom: SAM with CRP; Type: SAM; Serial: TP-1150 and higher
- Measurement SW: DASYS52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Right Tilted/Area Scan (81x141x1):**

Interpolated grid:  $dx=1.500$  mm,  $dy=1.500$  mm

Maximum value of SAR (interpolated) = 0.120 W/kg

**Right Tilted/Zoom Scan (5x5x7)/Cube 0:**

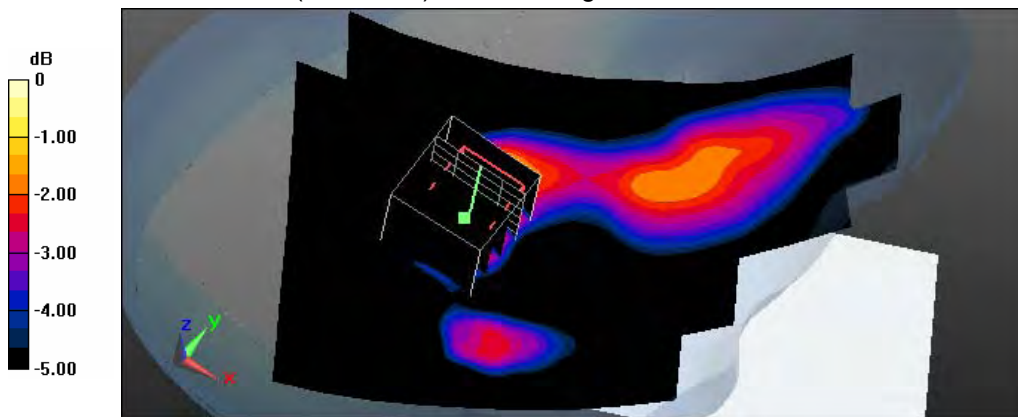
Measurement grid:  $dx=8$  mm,  $dy=8$  mm,  $dz=5$  mm

Reference Value = 8.813 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 0.143 W/kg

**SAR(1 g) = 0.093 W/kg; SAR(10 g) = 0.055 W/kg**

Maximum value of SAR (measured) = 0.121 W/kg



0 dB = 0.121 W/kg = -9.17 dBW/kg

Test Laboratory: A Test Lab Techno Corp.

Date: 2014/9/12 Time: PM 08:53:36

**93\_LC\_WCDMA BandII CH9262**

**DUT: 88 Tauri; Type: GSM/WCDMA/LTE Android Smartphone; Serial: 356537050191189**

Communication System: UID 0, WCDMA Band II (0); Frequency: 1852.4 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 1852.4 \text{ MHz}$ ;  $\sigma = 1.346 \text{ S/m}$ ;  $\epsilon_r = 40.815$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977; ConvF(7.97, 7.97, 7.97); Calibrated: 2014/2/17;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2014/2/25
- Phantom: SAM with CRP; Type: SAM; Serial: TP-1150 and higher
- Measurement SW: DASYS52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Left Cheek/Area Scan (81x141x1):**

Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.230 W/kg

**Left Cheek/Zoom Scan (5x5x7)/Cube 0:**

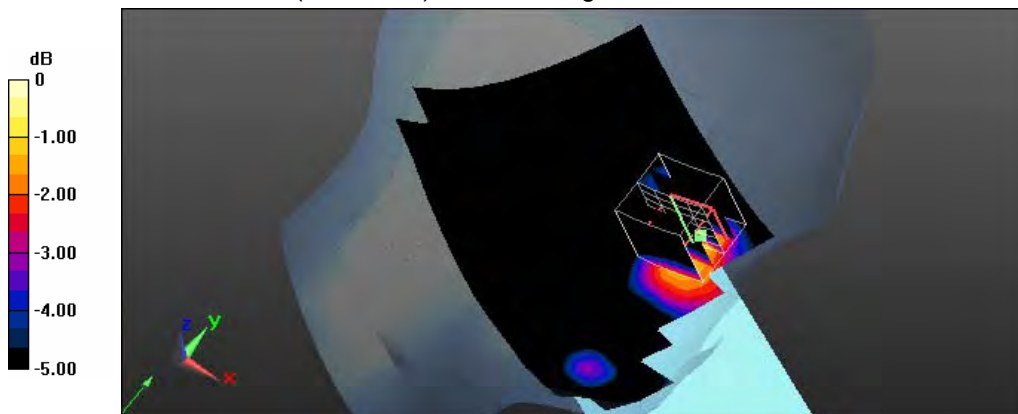
Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 5.332 V/m; Power Drift = -0.19 dB

Peak SAR (extrapolated) = 0.360 W/kg

**SAR(1 g) = 0.220 W/kg; SAR(10 g) = 0.130 W/kg**

Maximum value of SAR (measured) = 0.302 W/kg



0 dB = 0.302 W/kg = -5.20 dBW/kg

Test Laboratory: A Test Lab Techno Corp.

Date: 2014/9/12 Time: PM 09:14:25

**94\_LT\_WCDMA BandII CH9262**

**DUT: 88 Tauri; Type: GSM/WCDMA/LTE Android Smartphone; Serial: 356537050191189**

Communication System: UID 0, WCDMA Band II (0); Frequency: 1852.4 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 1852.4 \text{ MHz}$ ;  $\sigma = 1.346 \text{ S/m}$ ;  $\epsilon_r = 40.815$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977; ConvF(7.97, 7.97, 7.97); Calibrated: 2014/2/17;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2014/2/25
- Phantom: SAM with CRP; Type: SAM; Serial: TP-1150 and higher
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Left Tilted/Area Scan (81x141x1):**

Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.198 W/kg

**Left Tilted/Zoom Scan (5x5x7)/Cube 0:**

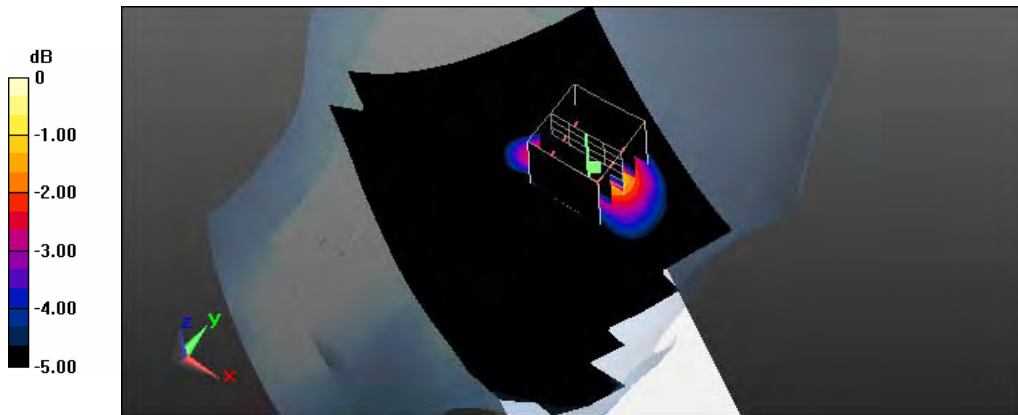
Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 7.612 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 0.247 W/kg

**SAR(1 g) = 0.148 W/kg; SAR(10 g) = 0.085 W/kg**

Maximum value of SAR (measured) = 0.195 W/kg



0 dB = 0.195 W/kg = -7.10 dBW/kg



Test Laboratory: A Test Lab Techno Corp.

Date: 2014/9/9 Time: PM 02:57:28

**16\_RC\_WCDMA BandV CH4183**

**DUT: 88 Tauri; Type: GSM/WCDMA/LTE Android Smartphone; Serial: 356537050191189**

Communication System: UID 0, WCDMA Band V (0); Frequency: 836.6 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 837 \text{ MHz}$ ;  $\sigma = 0.911 \text{ S/m}$ ;  $\epsilon_r = 42.448$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977; ConvF(9.62, 9.62, 9.62); Calibrated: 2014/2/17;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2014/2/25
- Phantom: SAM with CRP; Type: SAM; Serial: TP-1150 and higher
- Measurement SW: DASYS2, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Right Cheek/Area Scan (81x141x1):**

Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.224 W/kg

**Right Cheek/Zoom Scan (5x5x7)/Cube 0:**

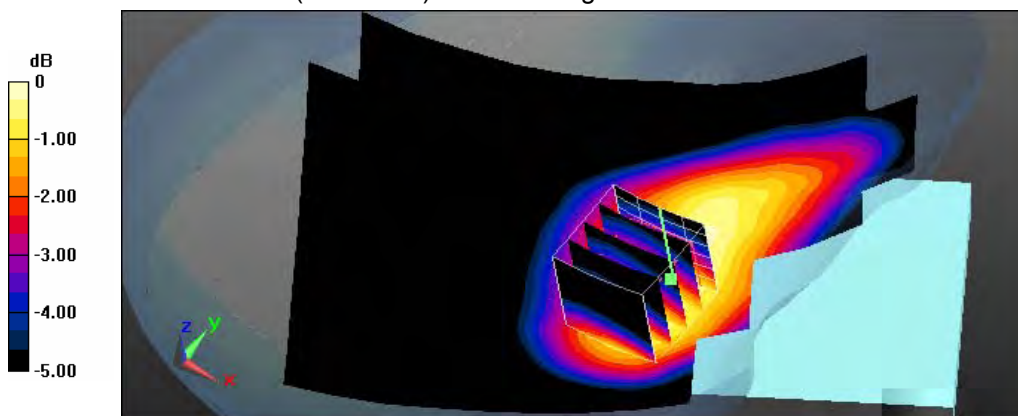
Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 5.726 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.255 W/kg

**SAR(1 g) = 0.201 W/kg; SAR(10 g) = 0.156 W/kg**

Maximum value of SAR (measured) = 0.233 W/kg



0 dB = 0.233 W/kg = -6.33 dBW/kg



Test Laboratory: A Test Lab Techno Corp.

Date: 2014/9/9 Time: PM 03:19:24

**17\_RT\_WCDMA BandV CH4183**

**DUT: 88 Tauri; Type: GSM/WCDMA/LTE Android Smartphone; Serial: 356537050191189**

Communication System: UID 0, WCDMA Band V (0); Frequency: 836.6 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 837 \text{ MHz}$ ;  $\sigma = 0.911 \text{ S/m}$ ;  $\epsilon_r = 42.448$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977; ConvF(9.62, 9.62, 9.62); Calibrated: 2014/2/17;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2014/2/25
- Phantom: SAM with CRP; Type: SAM; Serial: TP-1150 and higher
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Right Tilted/Area Scan (81x141x1):**

Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

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

**Right Tilted/Zoom Scan (5x5x7)/Cube 0:**

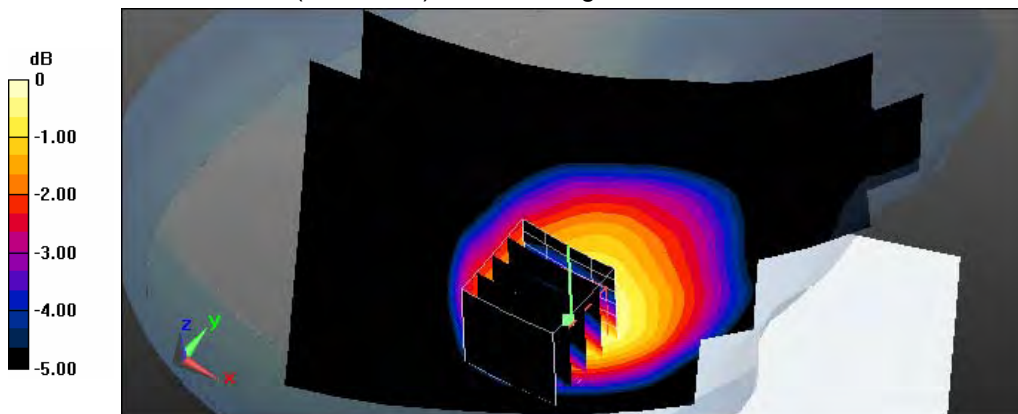
Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 9.778 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.193 W/kg

**SAR(1 g) = 0.150 W/kg; SAR(10 g) = 0.098 W/kg**

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



0 dB = 0.178 W/kg = -7.50 dBW/kg

Test Laboratory: A Test Lab Techno Corp.

Date: 2014/9/9 Time: PM 03:41:51

**18\_LC\_WCDMA BandV CH4183**

**DUT: 88 Tauri; Type: GSM/WCDMA/LTE Android Smartphone; Serial: 356537050191189**

Communication System: UID 0, WCDMA Band V (0); Frequency: 836.6 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 837 \text{ MHz}$ ;  $\sigma = 0.911 \text{ S/m}$ ;  $\epsilon_r = 42.448$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977; ConvF(9.62, 9.62, 9.62); Calibrated: 2014/2/17;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2014/2/25
- Phantom: SAM with CRP; Type: SAM; Serial: TP-1150 and higher
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Left Cheek/Area Scan (81x141x1):**

Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.311 W/kg

**Left Cheek/Zoom Scan (5x5x7)/Cube 0:**

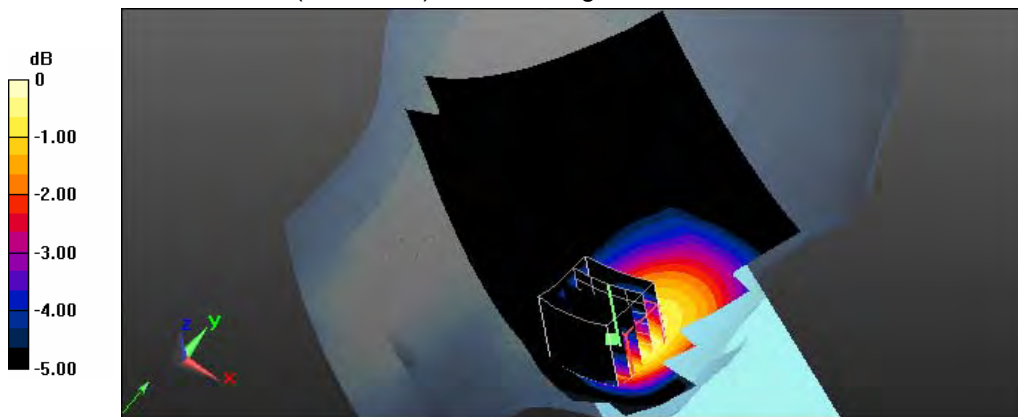
Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 6.604 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 0.329 W/kg

**SAR(1 g) = 0.247 W/kg; SAR(10 g) = 0.169 W/kg**

Maximum value of SAR (measured) = 0.283 W/kg



0 dB = 0.283 W/kg = -5.48 dBW/kg

Test Laboratory: A Test Lab Techno Corp.

Date: 2014/9/9 Time: PM 04:10:31

**19\_LT\_WCDMA BandV CH4183**

**DUT: 88 Tauri; Type: GSM/WCDMA/LTE Android Smartphone; Serial: 356537050191189**

Communication System: UID 0, WCDMA Band V (0); Frequency: 836.6 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 837 \text{ MHz}$ ;  $\sigma = 0.911 \text{ S/m}$ ;  $\epsilon_r = 42.448$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

Measurement Standard: DASYS5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977; ConvF(9.62, 9.62, 9.62); Calibrated: 2014/2/17;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2014/2/25
- Phantom: SAM with CRP; Type: SAM; Serial: TP-1150 and higher
- Measurement SW: DASYS52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Left Tilted/Area Scan (81x141x1):**

Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.158 W/kg

**Left Tilted/Zoom Scan (5x5x7)/Cube 0:**

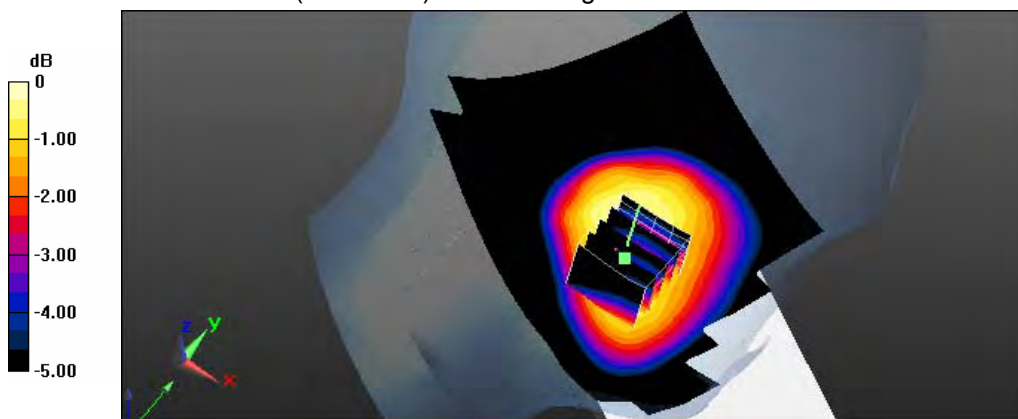
Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 10.952 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 0.173 W/kg

**SAR(1 g) = 0.137 W/kg; SAR(10 g) = 0.104 W/kg**

Maximum value of SAR (measured) = 0.158 W/kg



0 dB = 0.158 W/kg = -8.01 dBW/kg

Test Laboratory: A Test Lab Techno Corp.

Date: 2014/9/12 Time: PM 04:28:26

**83\_RC\_LTE Band2 BW 20M CH18900 QPSK with 1RB Size 0RB Offset**

**DUT: 88 Tauri; Type: GSM/WCDMA/LTE Android Smartphone; Serial: 356537050191189**

Communication System: UID 0, Generic LTE (0); Frequency: 1880 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.371$  S/m;  $\epsilon_r = 40.783$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977; ConvF(7.97, 7.97, 7.97); Calibrated: 2014/2/17;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2014/2/25
- Phantom: SAM with CRP; Type: SAM; Serial: TP-1150 and higher
- Measurement SW: DASYS2, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Right Cheek/Area Scan (81x141x1):**

Interpolated grid:  $dx=1.500$  mm,  $dy=1.500$  mm

Maximum value of SAR (interpolated) = 0.638 W/kg

**Right Cheek/Zoom Scan (5x5x7)/Cube 0:**

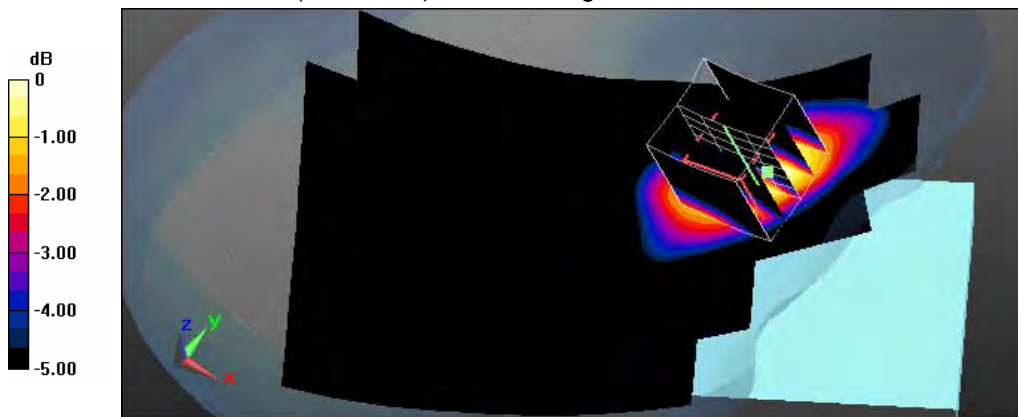
Measurement grid:  $dx=8$  mm,  $dy=8$  mm,  $dz=5$  mm

Reference Value = 7.841 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.771 W/kg

**SAR(1 g) = 0.498 W/kg; SAR(10 g) = 0.313 W/kg**

Maximum value of SAR (measured) = 0.629 W/kg



0 dB = 0.629 W/kg = -2.01 dBW/kg

Test Laboratory: A Test Lab Techno Corp.

Date: 2014/9/12Time: PM 03:59:08

**87\_RC\_LTE Band2 BW 20M CH18900 QPSK with 50RB Size 0RB Offset**

**DUT: 88 Tauri;Type: GSM/WCDMA/LTE Android Smartphone;Serial: 356537050191189**

Communication System: UID 0, Generic LTE (0);Frequency: 1880 MHz;Duty Cycle: 1:1

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.371$  S/m;  $\epsilon_r = 40.783$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977;ConvF(7.97, 7.97, 7.97); Calibrated: 2014/2/17;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779;Calibrated: 2014/2/25
- Phantom: SAM with CRP;Type: SAM;Serial: TP-1150 and higher
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

**Right Cheek/Area Scan (81x141x1):**

Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.497 W/kg

**Right Cheek/Zoom Scan (5x5x7)/Cube 0:**

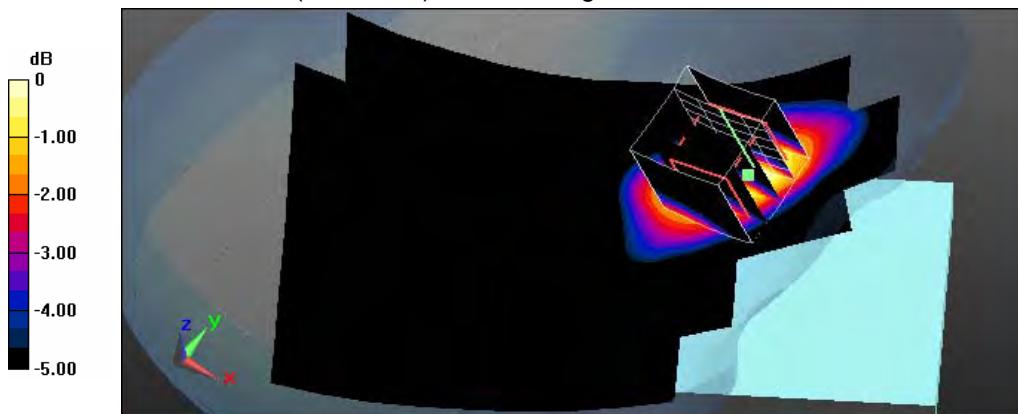
Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.942 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 0.603 W/kg

**SAR(1 g) = 0.387 W/kg; SAR(10 g) = 0.242 W/kg**

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



0 dB = 0.488 W/kg = -3.12 dBW/kg

Test Laboratory: A Test Lab Techno Corp.

Date: 2014/9/12 Time: PM 04:53:44

**84\_RT\_LTE Band2 BW 20M CH18900 QPSK with 1RB Size 0RB Offset**

**DUT: 88 Tauri; Type: GSM/WCDMA/LTE Android Smartphone; Serial: 356537050191189**

Communication System: UID 0, Generic LTE (0); Frequency: 1880 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 1880 \text{ MHz}$ ;  $\sigma = 1.371 \text{ S/m}$ ;  $\epsilon_r = 40.783$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977; ConvF(7.97, 7.97, 7.97); Calibrated: 2014/2/17;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2014/2/25
- Phantom: SAM with CRP; Type: SAM; Serial: TP-1150 and higher
- Measurement SW: DASYS52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Right Tilted/Area Scan (81x141x1):**

Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.176 W/kg

**Right Tilted/Zoom Scan (5x5x7)/Cube 0:**

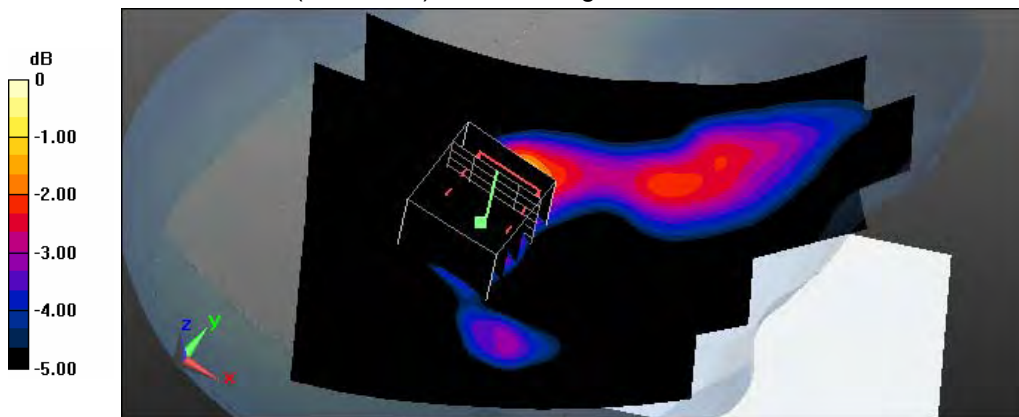
Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 10.978 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.209 W/kg

**SAR(1 g) = 0.135 W/kg; SAR(10 g) = 0.080 W/kg**

Maximum value of SAR (measured) = 0.174 W/kg



0 dB = 0.174 W/kg = -7.59 dBW/kg



Test Laboratory: A Test Lab Techno Corp.

Date: 2014/9/12 Time: PM 05:13:12

**88\_RT\_LTE Band2 BW 20M CH18900 QPSK with 50RB Size 0RB Offset**

**DUT: 88 Tauri; Type: GSM/WCDMA/LTE Android Smartphone; Serial: 356537050191189**

Communication System: UID 0, Generic LTE (0); Frequency: 1880 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 1880 \text{ MHz}$ ;  $\sigma = 1.371 \text{ S/m}$ ;  $\epsilon_r = 40.783$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977; ConvF(7.97, 7.97, 7.97); Calibrated: 2014/2/17;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2014/2/25
- Phantom: SAM with CRP; Type: SAM; Serial: TP-1150 and higher
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Right Tilted/Area Scan (81x141x1):**

Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.143 W/kg

**Right Tilted/Zoom Scan (5x5x7)/Cube 0:**

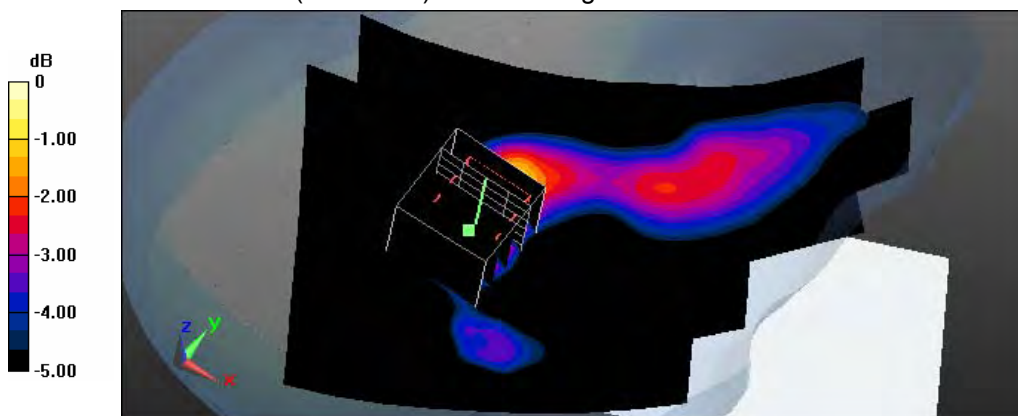
Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 9.778 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.166 W/kg

**SAR(1 g) = 0.107 W/kg; SAR(10 g) = 0.062 W/kg**

Maximum value of SAR (measured) = 0.140 W/kg



0 dB = 0.140 W/kg = -8.54 dBW/kg

Test Laboratory: A Test Lab Techno Corp.

Date: 2014/9/12 Time: PM 02:34:58

**85\_LC\_LTE Band2 BW 20M CH18900 QPSK with 1RB Size 0RB Offset**

**DUT: 88 Tauri; Type: GSM/WCDMA/LTE Android Smartphone; Serial: 356537050191189**

Communication System: UID 0, Generic LTE (0); Frequency: 1880 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 1880 \text{ MHz}$ ;  $\sigma = 1.371 \text{ S/m}$ ;  $\epsilon_r = 40.783$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977; ConvF(7.97, 7.97, 7.97); Calibrated: 2014/2/17;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2014/2/25
- Phantom: SAM with CRP; Type: SAM; Serial: TP-1150 and higher
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Left Cheek/Area Scan (81x141x1):**

Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.268 W/kg

**Left Cheek/Zoom Scan (5x5x7)/Cube 0:**

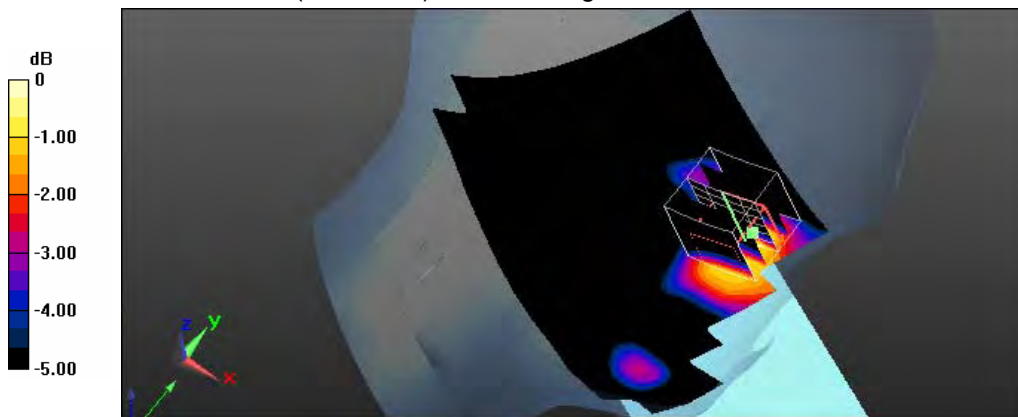
Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 6.119 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 0.386 W/kg

**SAR(1 g) = 0.245 W/kg; SAR(10 g) = 0.152 W/kg**

Maximum value of SAR (measured) = 0.321 W/kg



0 dB = 0.321 W/kg = -4.93 dBW/kg



Test Laboratory: A Test Lab Techno Corp.

Date: 2014/9/12 Time: PM 03:35:31

**89\_LC\_LTE Band2 BW 20M CH18900 QPSK with 50RB Size 0RB Offset**

**DUT: 88 Tauri; Type: GSM/WCDMA/LTE Android Smartphone; Serial: 356537050191189**

Communication System: UID 0, Generic LTE (0); Frequency: 1880 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 1880 \text{ MHz}$ ;  $\sigma = 1.371 \text{ S/m}$ ;  $\epsilon_r = 40.783$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977; ConvF(7.97, 7.97, 7.97); Calibrated: 2014/2/17;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2014/2/25
- Phantom: SAM with CRP; Type: SAM; Serial: TP-1150 and higher
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Left Cheek/Area Scan (81x141x1):**

Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

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

**Left Cheek/Zoom Scan (5x5x7)/Cube 0:**

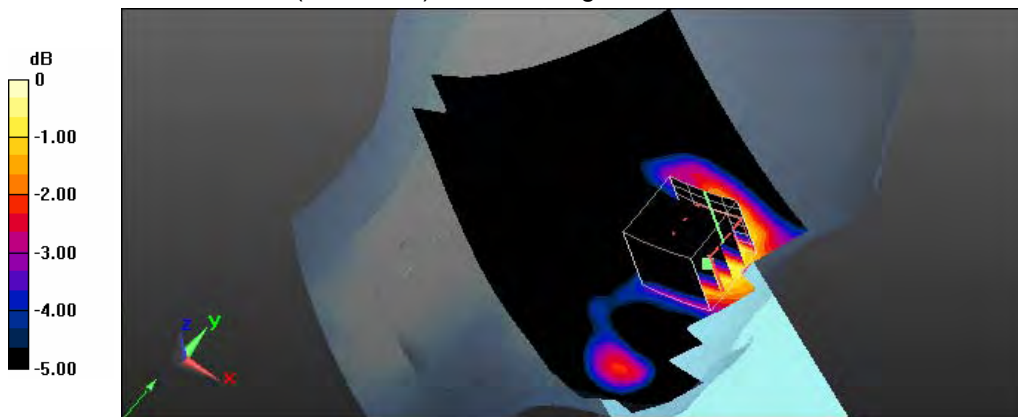
Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 5.285 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 0.259 W/kg

**SAR(1 g) = 0.164 W/kg; SAR(10 g) = 0.109 W/kg**

Maximum value of SAR (measured) = 0.222 W/kg



0 dB = 0.222 W/kg = -6.54 dBW/kg

Test Laboratory: A Test Lab Techno Corp.

Date: 2014/9/12 Time: PM 02:55:35

**86\_LT\_LTE Band2 BW 20M CH18900 QPSK with 1RB Size 0RB Offset**

**DUT: 88 Tauri; Type: GSM/WCDMA/LTE Android Smartphone; Serial: 356537050191189**

Communication System: UID 0, Generic LTE (0); Frequency: 1880 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 1880 \text{ MHz}$ ;  $\sigma = 1.371 \text{ S/m}$ ;  $\epsilon_r = 40.783$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977; ConvF(7.97, 7.97, 7.97); Calibrated: 2014/2/17;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2014/2/25
- Phantom: SAM with CRP; Type: SAM; Serial: TP-1150 and higher
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Left Tilted/Area Scan (81x141x1):**

Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.253 W/kg

**Left Tilted/Zoom Scan (5x5x7)/Cube 0:**

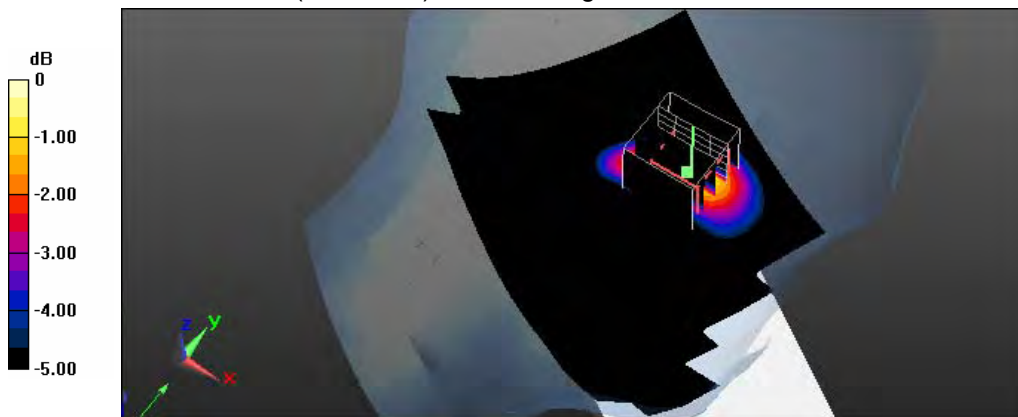
Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 8.817 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 0.318 W/kg

**SAR(1 g) = 0.190 W/kg; SAR(10 g) = 0.109 W/kg**

Maximum value of SAR (measured) = 0.239 W/kg



0 dB = 0.239 W/kg = -6.22 dBW/kg

Test Laboratory: A Test Lab Techno Corp.

Date: 2014/9/12 Time: PM 03:14:56

**90\_LT\_LTE Band2 BW 20M CH18900 QPSK with 50RB Size 0RB Offset**

**DUT: 88 Tauri; Type: GSM/WCDMA/LTE Android Smartphone; Serial: 356537050191189**

Communication System: UID 0, Generic LTE (0); Frequency: 1880 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 1880 \text{ MHz}$ ;  $\sigma = 1.371 \text{ S/m}$ ;  $\epsilon_r = 40.783$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977; ConvF(7.97, 7.97, 7.97); Calibrated: 2014/2/17;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2014/2/25
- Phantom: SAM with CRP; Type: SAM; Serial: TP-1150 and higher
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Left Tilted/Area Scan (81x141x1):**

Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

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

**Left Tilted/Zoom Scan (5x5x7)/Cube 0:**

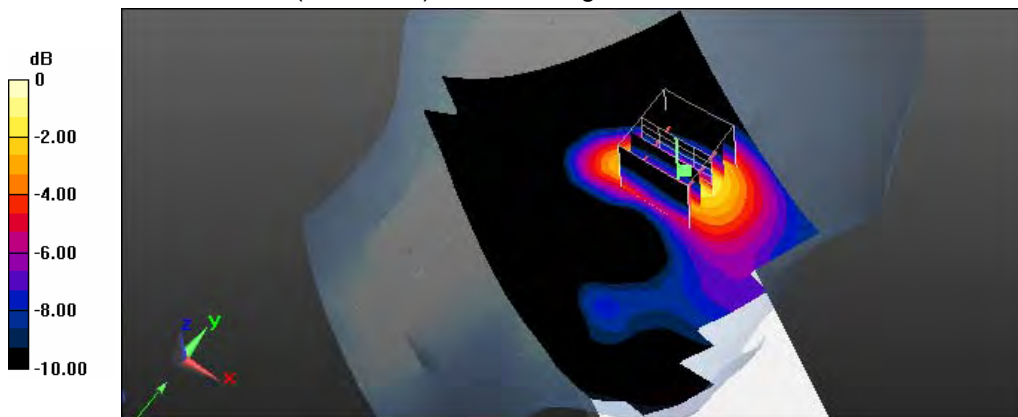
Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 7.669 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.251 W/kg

**SAR(1 g) = 0.151 W/kg; SAR(10 g) = 0.086 W/kg**

Maximum value of SAR (measured) = 0.197 W/kg



0 dB = 0.197 W/kg = -7.06 dBW/kg

Test Laboratory: A Test Lab Techno Corp.

Date: 2014/9/15 Time: PM 02:30:21

**158\_RC\_LTE Band4 BW 20M CH20300 QPSK with 1RB Size 0RB Offset**

**DUT: 88 Tauri; Type: GSM/WCDMA/LTE Android Smartphone; Serial: 356537050191189**

Communication System: UID 0, Generic LTE (0); Frequency: 1745 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 1745 \text{ MHz}$ ;  $\sigma = 1.415 \text{ S/m}$ ;  $\epsilon_r = 41.11$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977; ConvF(8.14, 8.14, 8.14); Calibrated: 2014/2/17;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2014/2/25
- Phantom: SAM with CRP; Type: SAM; Serial: TP-1150 and higher
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Right Cheek/Area Scan (81x141x1):**

Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.824 W/kg

**Right Cheek/Zoom Scan (5x5x7)/Cube 0:**

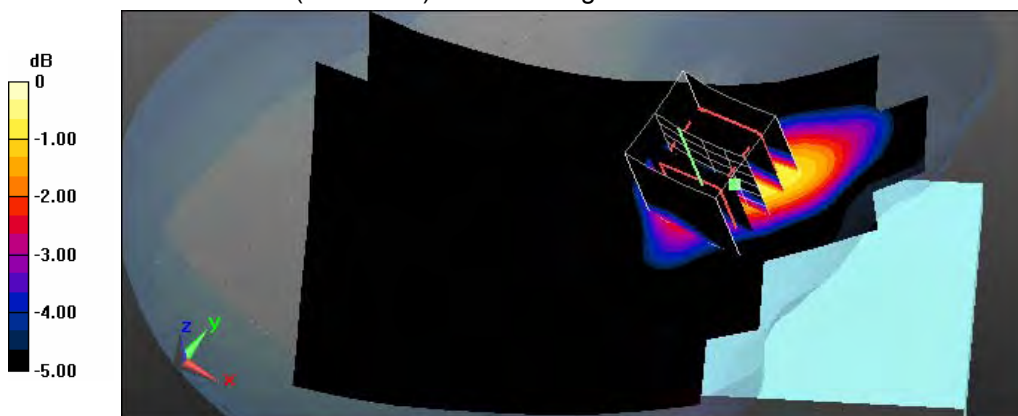
Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 10.480 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 1.08 W/kg

**SAR(1 g) = 0.691 W/kg; SAR(10 g) = 0.425 W/kg**

Maximum value of SAR (measured) = 0.874 W/kg



0 dB = 0.874 W/kg = -0.58 dBW/kg

Test Laboratory: A Test Lab Techno Corp.

Date: 2014/9/15 Time: PM 02:50:30

**162\_RC\_LTE Band4 BW 20M CH20300 QPSK with 50RB Size 0RB Offset**

**DUT: 88 Tauri; Type: GSM/WCDMA/LTE Android Smartphone; Serial: 356537050191189**

Communication System: UID 0, Generic LTE (0); Frequency: 1745 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 1745 \text{ MHz}$ ;  $\sigma = 1.415 \text{ S/m}$ ;  $\epsilon_r = 41.11$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977; ConvF(8.14, 8.14, 8.14); Calibrated: 2014/2/17;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2014/2/25
- Phantom: SAM with CRP; Type: SAM; Serial: TP-1150 and higher
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Right Cheek/Area Scan (81x141x1):**

Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.632 W/kg

**Right Cheek/Zoom Scan (5x5x7)/Cube 0:**

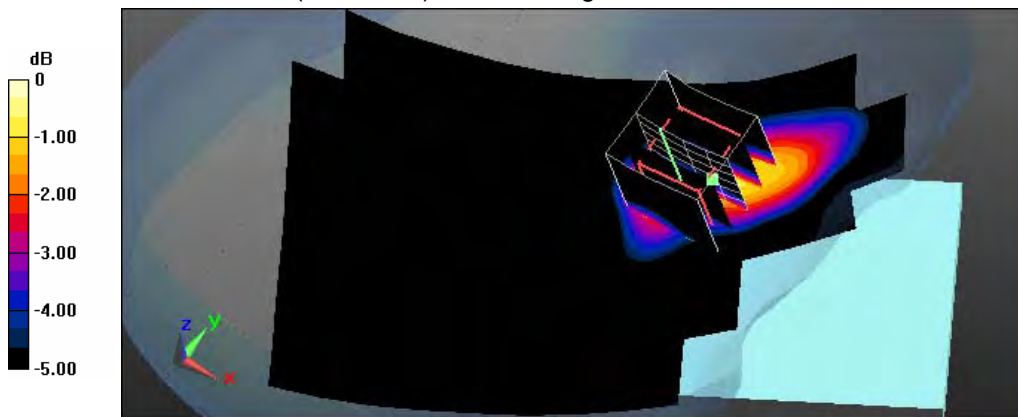
Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 9.557 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.885 W/kg

**SAR(1 g) = 0.554 W/kg; SAR(10 g) = 0.333 W/kg**

Maximum value of SAR (measured) = 0.724 W/kg



0 dB = 0.724 W/kg = -1.40 dBW/kg

Test Laboratory: A Test Lab Techno Corp.

Date: 2014/9/15 Time: PM 03:30:52

**159\_RT\_LTE Band4 BW 20M CH20300 QPSK with 1RB Size 0RB Offset**

**DUT: 88 Tauri; Type: GSM/WCDMA/LTE Android Smartphone; Serial: 356537050191189**

Communication System: UID 0, Generic LTE (0); Frequency: 1745 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 1745 \text{ MHz}$ ;  $\sigma = 1.415 \text{ S/m}$ ;  $\epsilon_r = 41.11$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977; ConvF(8.14, 8.14, 8.14); Calibrated: 2014/2/17;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2014/2/25
- Phantom: SAM with CRP; Type: SAM; Serial: TP-1150 and higher
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Right Tilted/Area Scan (81x141x1):**

Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

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

**Right Tilted/Zoom Scan (5x5x7)/Cube 0:**

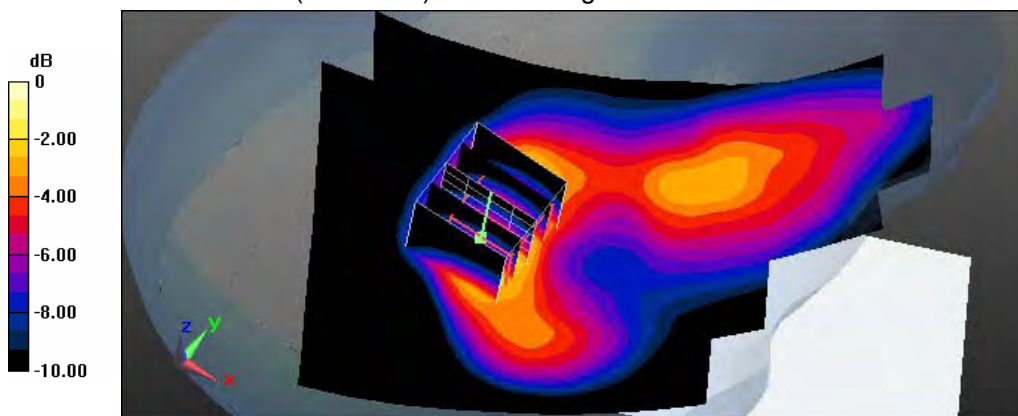
Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 14.691 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.375 W/kg

**SAR(1 g) = 0.244 W/kg; SAR(10 g) = 0.144 W/kg**

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



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



Test Laboratory: A Test Lab Techno Corp.

Date: 2014/9/15 Time: PM 03:10:52

**163\_RT\_LTE Band4 BW 20M CH20300 QPSK with 50RB Size 0RB Offset**

**DUT: 88 Tauri; Type: GSM/WCDMA/LTE Android Smartphone; Serial: 356537050191189**

Communication System: UID 0, Generic LTE (0); Frequency: 1745 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 1745 \text{ MHz}$ ;  $\sigma = 1.415 \text{ S/m}$ ;  $\epsilon_r = 41.11$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977; ConvF(8.14, 8.14, 8.14); Calibrated: 2014/2/17;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2014/2/25
- Phantom: SAM with CRP; Type: SAM; Serial: TP-1150 and higher
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Right Tilted/Area Scan (81x141x1):**

Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.243 W/kg

**Right Tilted/Zoom Scan (5x5x7)/Cube 0:**

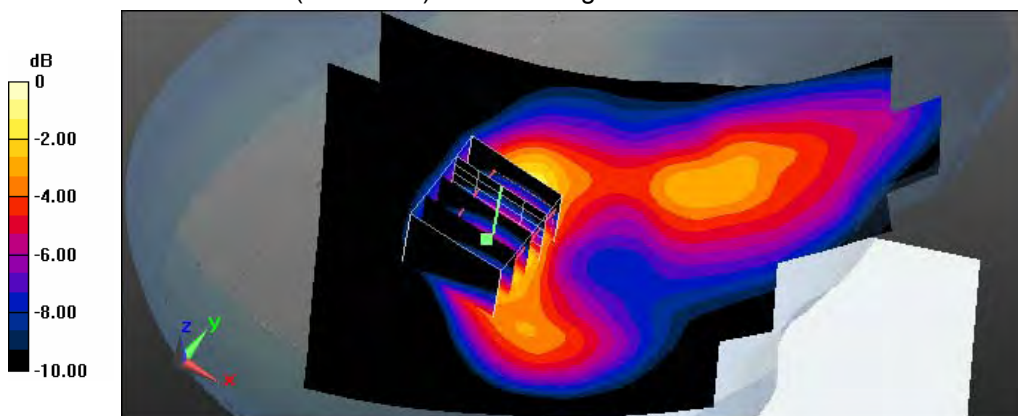
Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 12.984 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.293 W/kg

**SAR(1 g) = 0.189 W/kg; SAR(10 g) = 0.110 W/kg**

Maximum value of SAR (measured) = 0.242 W/kg



0 dB = 0.242 W/kg = -6.16 dBW/kg

Test Laboratory: A Test Lab Techno Corp.

Date: 2014/9/15 Time: PM 03:54:06

**160\_LC\_LTE Band4 BW 20M CH20300 QPSK with 1RB Size 0RB Offset**

**DUT: 88 Tauri; Type: GSM/WCDMA/LTE Android Smartphone; Serial: 356537050191189**

Communication System: UID 0, Generic LTE (0); Frequency: 1745 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 1745 \text{ MHz}$ ;  $\sigma = 1.415 \text{ S/m}$ ;  $\epsilon_r = 41.11$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977; ConvF(8.14, 8.14, 8.14); Calibrated: 2014/2/17;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2014/2/25
- Phantom: SAM with CRP; Type: SAM; Serial: TP-1150 and higher
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Left Cheek/Area Scan (81x141x1):**

Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.508 W/kg

**Left Cheek/Zoom Scan (5x5x7)/Cube 0:**

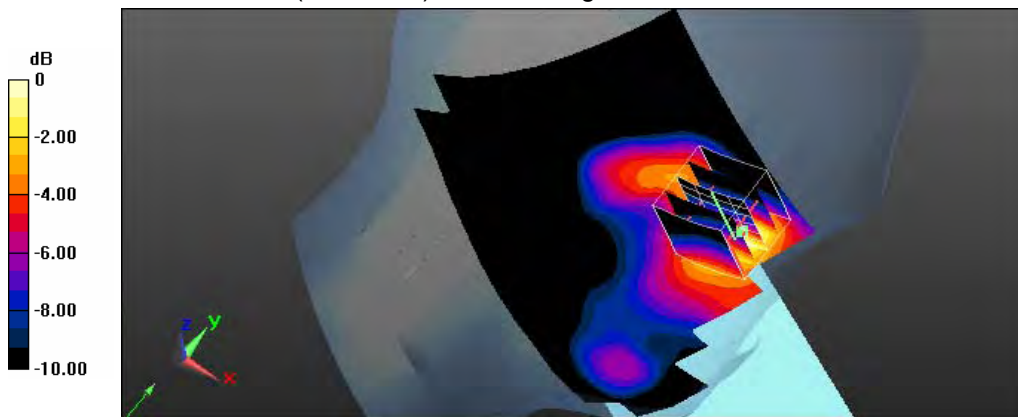
Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 8.983 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.713 W/kg

**SAR(1 g) = 0.423 W/kg; SAR(10 g) = 0.247 W/kg**

Maximum value of SAR (measured) = 0.566 W/kg



0 dB = 0.566 W/kg = -2.47 dBW/kg



Test Laboratory: A Test Lab Techno Corp.

Date: 2014/9/15 Time: PM 04:24:37

**164\_LC\_LTE Band4 BW 20M CH20300 QPSK with 50RB Size 0RB Offset**

**DUT: 88 Tauri; Type: GSM/WCDMA/LTE Android Smartphone; Serial: 356537050191189**

Communication System: UID 0, Generic LTE (0); Frequency: 1745 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 1745 \text{ MHz}$ ;  $\sigma = 1.415 \text{ S/m}$ ;  $\epsilon_r = 41.11$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977; ConvF(8.14, 8.14, 8.14); Calibrated: 2014/2/17;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2014/2/25
- Phantom: SAM with CRP; Type: SAM; Serial: TP-1150 and higher
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Left Cheek/Area Scan (81x141x1):**

Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.397 W/kg

**Left Cheek/Zoom Scan (5x5x7)/Cube 0:**

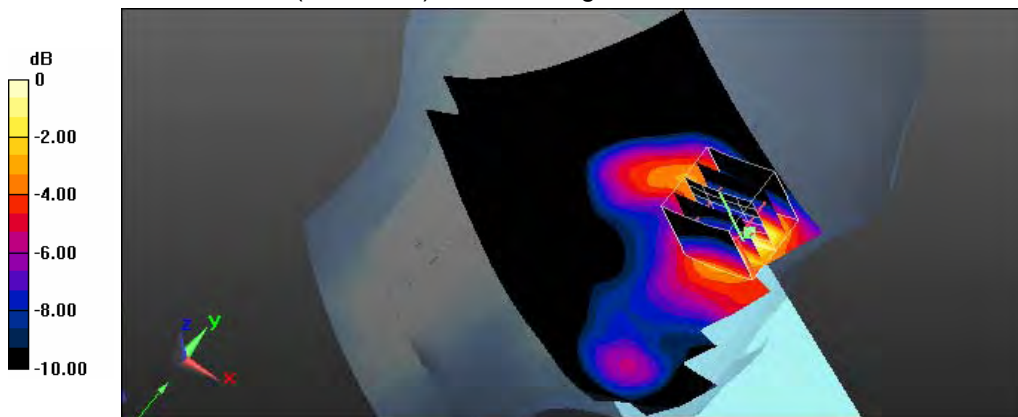
Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 7.652 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.568 W/kg

**SAR(1 g) = 0.337 W/kg; SAR(10 g) = 0.195 W/kg**

Maximum value of SAR (measured) = 0.451 W/kg



0 dB = 0.451 W/kg = -3.46 dBW/kg

Test Laboratory: A Test Lab Techno Corp.

Date: 2014/9/15 Time: PM 05:15:01

**161\_LT\_LTE Band4 BW 20M CH20300 QPSK with 1RB Size 0RB Offset**

**DUT: 88 Tauri; Type: GSM/WCDMA/LTE Android Smartphone; Serial: 356537050191189**

Communication System: UID 0, Generic LTE (0); Frequency: 1745 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 1745 \text{ MHz}$ ;  $\sigma = 1.415 \text{ S/m}$ ;  $\epsilon_r = 41.11$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977; ConvF(8.14, 8.14, 8.14); Calibrated: 2014/2/17;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2014/2/25
- Phantom: SAM with CRP; Type: SAM; Serial: TP-1150 and higher
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Left Tilted/Area Scan (81x141x1):**

Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.363 W/kg

**Left Tilted/Zoom Scan (5x5x7)/Cube 0:**

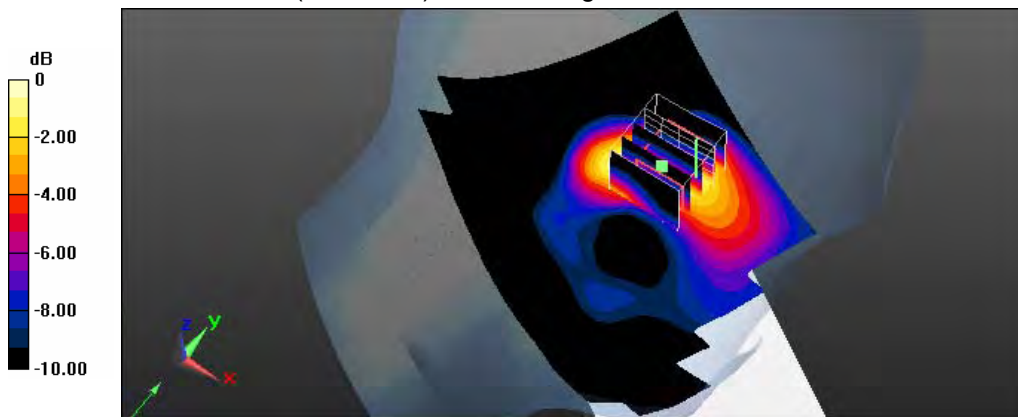
Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 11.140 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.435 W/kg

**SAR(1 g) = 0.263 W/kg; SAR(10 g) = 0.154 W/kg**

Maximum value of SAR (measured) = 0.334 W/kg



0 dB = 0.334 W/kg = -4.76 dBW/kg

Test Laboratory: A Test Lab Techno Corp.

Date: 2014/9/15 Time: PM 04:44:33

**165\_LT\_LTE Band4 BW 20M CH20300 QPSK with 50RB Size 0RB Offset**

**DUT: 88 Tauri; Type: GSM/WCDMA/LTE Android Smartphone; Serial: 356537050191189**

Communication System: UID 0, Generic LTE (0); Frequency: 1745 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 1745 \text{ MHz}$ ;  $\sigma = 1.415 \text{ S/m}$ ;  $\epsilon_r = 41.11$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977; ConvF(8.14, 8.14, 8.14); Calibrated: 2014/2/17;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2014/2/25
- Phantom: SAM with CRP; Type: SAM; Serial: TP-1150 and higher
- Measurement SW: DASYS2, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Left Tilted/Area Scan (81x141x1):**

Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.293 W/kg

**Left Tilted/Zoom Scan (5x5x7)/Cube 0:**

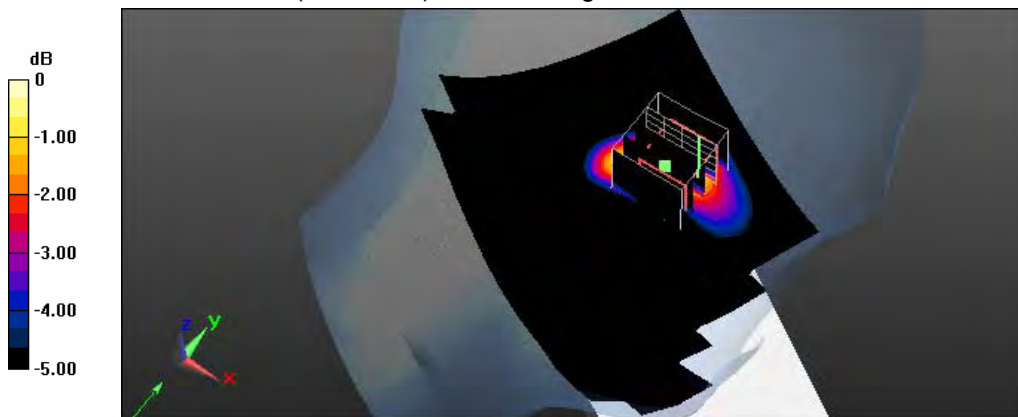
Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 9.949 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.348 W/kg

**SAR(1 g) = 0.211 W/kg; SAR(10 g) = 0.122 W/kg**

Maximum value of SAR (measured) = 0.270 W/kg



0 dB = 0.270 W/kg = -5.69 dBW/kg

Test Laboratory: A Test Lab Techno Corp.

Date: 2014/9/10 Time: AM 02:07:17

**20\_RC\_LTE Band5 BW 10M CH20450 QPSK with 1RB Size 0RB Offset**

**DUT: 88 Tauri; Type: GSM/WCDMA/LTE Android Smartphone; Serial: 356537050191189**

Communication System: UID 0, Generic LTE (0); Frequency: 829 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 829 \text{ MHz}$ ;  $\sigma = 0.888 \text{ S/m}$ ;  $\epsilon_r = 42.355$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977; ConvF(9.62, 9.62, 9.62); Calibrated: 2014/2/17;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2014/2/25
- Phantom: SAM with CRP; Type: SAM; Serial: TP-1150 and higher
- Measurement SW: DASYS2, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Right Cheek/Area Scan (81x141x1):**

Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.278 W/kg

**Right Cheek/Zoom Scan (5x5x7)/Cube 0:**

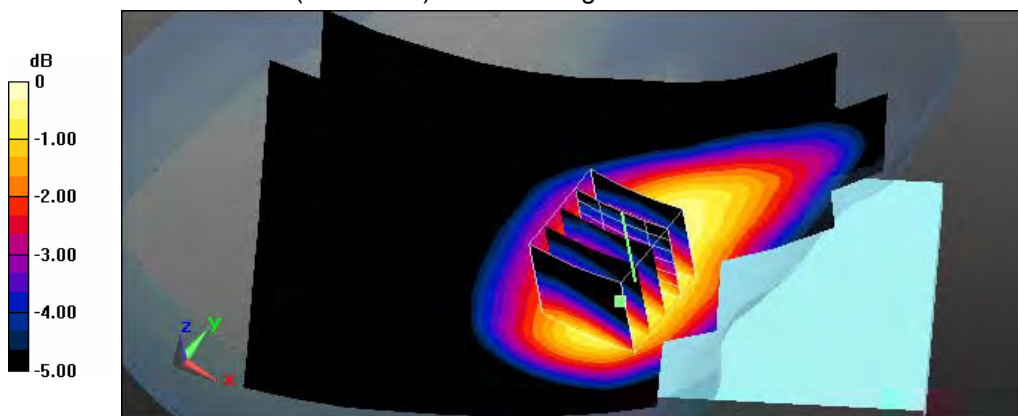
Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 6.938 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 0.312 W/kg

**SAR(1 g) = 0.252 W/kg; SAR(10 g) = 0.200 W/kg**

Maximum value of SAR (measured) = 0.287 W/kg



0 dB = 0.287 W/kg = -5.42 dBW/kg

Test Laboratory: A Test Lab Techno Corp.

Date: 2014/9/10 Time: AM 01:41:22

**24\_RC\_LTE Band5 BW 10M CH20450 QPSK with 25RB Size 0RB Offset**

**DUT: 88 Tauri; Type: GSM/WCDMA/LTE Android Smartphone; Serial: 356537050191189**

Communication System: UID 0, Generic LTE (0); Frequency: 829 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 829 \text{ MHz}$ ;  $\sigma = 0.888 \text{ S/m}$ ;  $\epsilon_r = 42.355$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977; ConvF(9.62, 9.62, 9.62); Calibrated: 2014/2/17;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2014/2/25
- Phantom: SAM with CRP; Type: SAM; Serial: TP-1150 and higher
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Right Cheek/Area Scan (81x141x1):**

Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.215 W/kg

**Right Cheek/Zoom Scan (5x5x7)/Cube 0:**

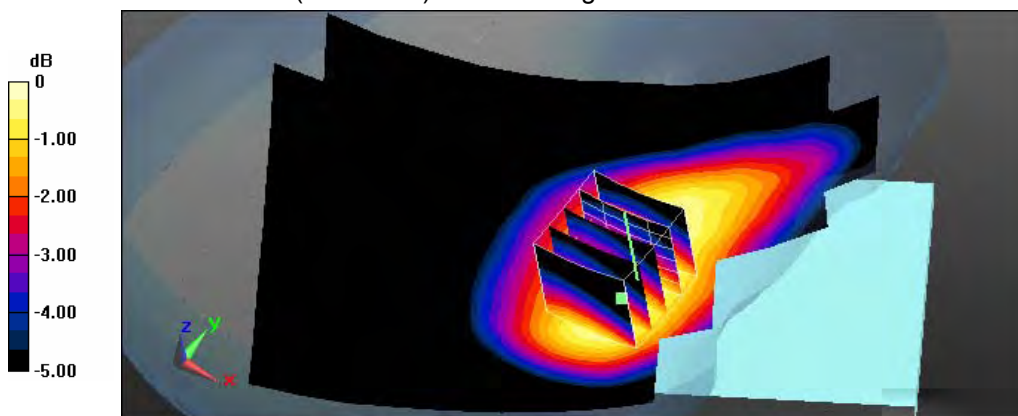
Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 5.928 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 0.238 W/kg

**SAR(1 g) = 0.192 W/kg; SAR(10 g) = 0.153 W/kg**

Maximum value of SAR (measured) = 0.217 W/kg



0 dB = 0.217 W/kg = -6.64 dBW/kg

Test Laboratory: A Test Lab Techno Corp.

Date: 2014/9/10 Time: AM 01:41:22

**24\_RC\_LTE Band5 BW 10M CH20450 QPSK with 25RB Size 0RB Offset**

**DUT: 88 Tauri; Type: GSM/WCDMA/LTE Android Smartphone; Serial: 356537050191189**

Communication System: UID 0, Generic LTE (0); Frequency: 829 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 829 \text{ MHz}$ ;  $\sigma = 0.888 \text{ S/m}$ ;  $\epsilon_r = 42.355$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977; ConvF(9.62, 9.62, 9.62); Calibrated: 2014/2/17;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2014/2/25
- Phantom: SAM with CRP; Type: SAM; Serial: TP-1150 and higher
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Right Cheek/Area Scan (81x141x1):**

Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.215 W/kg

**Right Cheek/Zoom Scan (5x5x7)/Cube 0:**

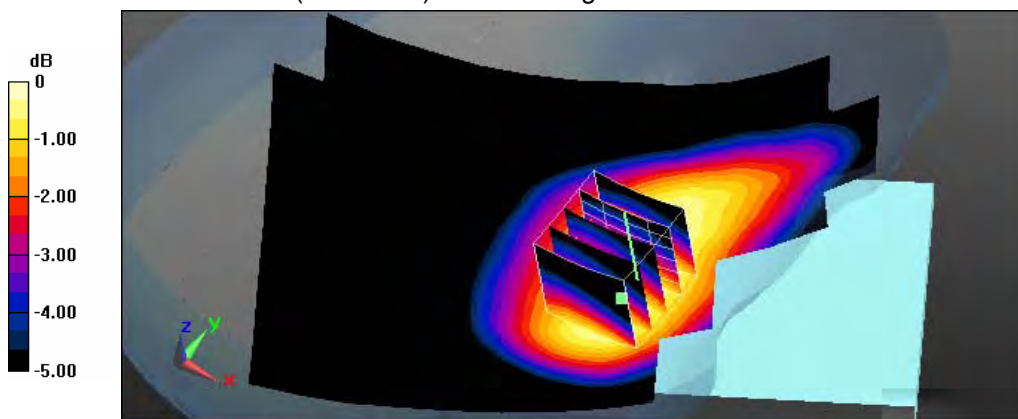
Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 5.928 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 0.238 W/kg

**SAR(1 g) = 0.192 W/kg; SAR(10 g) = 0.153 W/kg**

Maximum value of SAR (measured) = 0.217 W/kg





Test Laboratory: A Test Lab Techno Corp.

Date: 2014/9/10 Time: AM 10:08:08

**25\_RT\_LTE Band5 BW 10M CH20450 QPSK with 25RB Size 0RB Offset**

**DUT: 88 Tauri; Type: GSM/WCDMA/LTE Android Smartphone; Serial: 356537050191189**

Communication System: UID 0, Generic LTE (0); Frequency: 829 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 829 \text{ MHz}$ ;  $\sigma = 0.888 \text{ S/m}$ ;  $\epsilon_r = 42.355$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977; ConvF(9.62, 9.62, 9.62); Calibrated: 2014/2/17;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2014/2/25
- Phantom: SAM with CRP; Type: SAM; Serial: TP-1150 and higher
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Right Tilted/Area Scan (81x141x1):**

Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.161 W/kg

**Right Tilted/Zoom Scan (5x5x7)/Cube 0:**

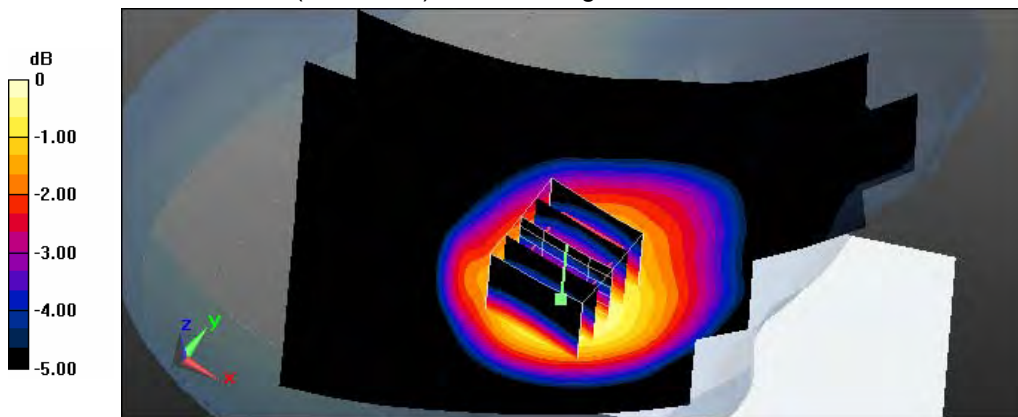
Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 10.000 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 0.176 W/kg

**SAR(1 g) = 0.143 W/kg; SAR(10 g) = 0.112 W/kg**

Maximum value of SAR (measured) = 0.162 W/kg



0 dB = 0.162 W/kg = -7.90 dBW/kg

Test Laboratory: A Test Lab Techno Corp.

Date: 2014/9/9 Time: PM 04:42:17

**22\_LC\_LTE Band5 BW 10M CH20450 QPSK with 1RB Size 0RB Offset**

**DUT: 88 Tauri; Type: GSM/WCDMA/LTE Android Smartphone; Serial: 356537050191189**

Communication System: UID 0, Generic LTE (0); Frequency: 829 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 829 \text{ MHz}$ ;  $\sigma = 0.888 \text{ S/m}$ ;  $\epsilon_r = 42.355$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977; ConvF(9.62, 9.62, 9.62); Calibrated: 2014/2/17;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2014/2/25
- Phantom: SAM with CRP; Type: SAM; Serial: TP-1150 and higher
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Left Cheek/Area Scan (81x141x1):**

Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.356 W/kg

**Left Cheek/Zoom Scan (5x5x7)/Cube 0:**

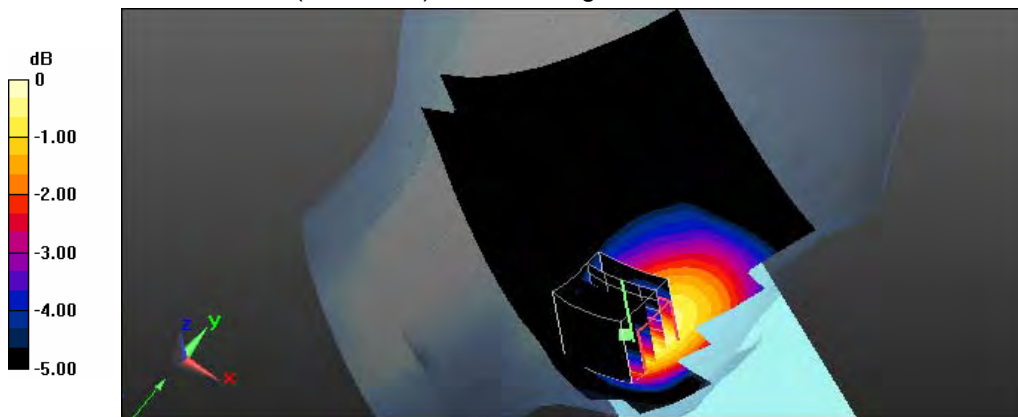
Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 7.280 V/m; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 0.386 W/kg

**SAR(1 g) = 0.292 W/kg; SAR(10 g) = 0.196 W/kg**

Maximum value of SAR (measured) = 0.334 W/kg



0 dB = 0.334 W/kg = -4.76 dBW/kg



Test Laboratory: A Test Lab Techno Corp.

Date: 2014/9/9 Time: PM 05:51:37

**26\_LC\_LTE Band5 BW 10M CH20450 QPSK with 25RB Size 0RB Offset**

**DUT: 88 Tauri; Type: GSM/WCDMA/LTE Android Smartphone; Serial: 356537050191189**

Communication System: UID 0, Generic LTE (0); Frequency: 829 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 829 \text{ MHz}$ ;  $\sigma = 0.888 \text{ S/m}$ ;  $\epsilon_r = 42.355$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977; ConvF(9.62, 9.62, 9.62); Calibrated: 2014/2/17;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2014/2/25
- Phantom: SAM with CRP; Type: SAM; Serial: TP-1150 and higher
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Left Cheek/Area Scan (81x141x1):**

Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.283 W/kg

**Left Cheek/Zoom Scan (5x5x7)/Cube 0:**

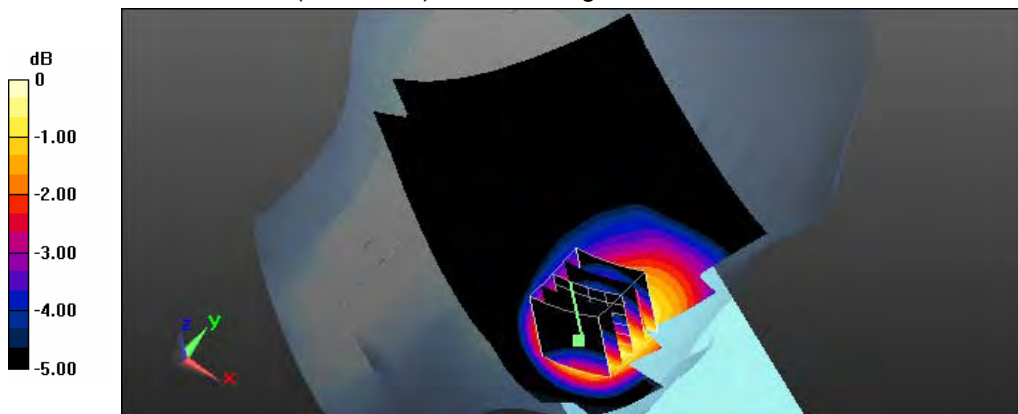
Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 6.261 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 0.280 W/kg

**SAR(1 g) = 0.221 W/kg; SAR(10 g) = 0.170 W/kg**

Maximum value of SAR (measured) = 0.246 W/kg



0 dB = 0.246 W/kg = -6.09 dBW/kg

Test Laboratory: A Test Lab Techno Corp.

Date: 2014/9/9 Time: PM 05:04:45

**23\_LT\_LTE Band5 BW 10M CH20450 QPSK with 1RB Size 0RB Offset**

**DUT: 88 Tauri; Type: GSM/WCDMA/LTE Android Smartphone; Serial: 356537050191189**

Communication System: UID 0, Generic LTE (0); Frequency: 829 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 829 \text{ MHz}$ ;  $\sigma = 0.888 \text{ S/m}$ ;  $\epsilon_r = 42.355$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977; ConvF(9.62, 9.62, 9.62); Calibrated: 2014/2/17;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2014/2/25
- Phantom: SAM with CRP; Type: SAM; Serial: TP-1150 and higher
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Left Tilted/Area Scan (81x141x1):**

Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.197 W/kg

**Left Tilted/Zoom Scan (5x5x7)/Cube 0:**

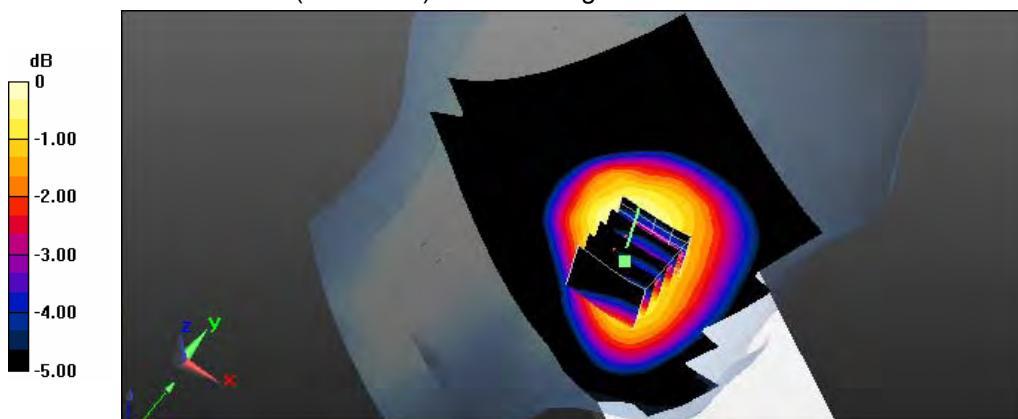
Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 12.167 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 0.212 W/kg

**SAR(1 g) = 0.170 W/kg; SAR(10 g) = 0.129 W/kg**

Maximum value of SAR (measured) = 0.195 W/kg



0 dB = 0.195 W/kg = -7.10 dBW/kg

Test Laboratory: A Test Lab Techno Corp.

Date: 2014/9/9 Time: PM 05:26:17

**27\_LT\_LTE Band5 BW 10M CH20450 QPSK with 25RB Size 0RB Offset**

**DUT: 88 Tauri; Type: GSM/WCDMA/LTE Android Smartphone; Serial: 356537050191189**

Communication System: UID 0, Generic LTE (0); Frequency: 829 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 829 \text{ MHz}$ ;  $\sigma = 0.888 \text{ S/m}$ ;  $\epsilon_r = 42.355$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977; ConvF(9.62, 9.62, 9.62); Calibrated: 2014/2/17;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2014/2/25
- Phantom: SAM with CRP; Type: SAM; Serial: TP-1150 and higher
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Left Tilted/Area Scan (81x141x1):**

Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

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

**Left Tilted/Zoom Scan (5x5x7)/Cube 0:**

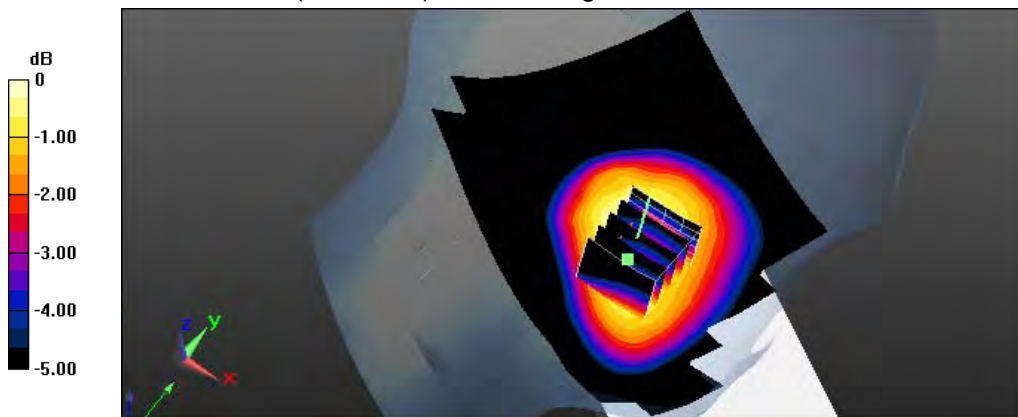
Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 10.411 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.164 W/kg

**SAR(1 g) = 0.132 W/kg; SAR(10 g) = 0.101 W/kg**

Maximum value of SAR (measured) = 0.149 W/kg



0 dB = 0.149 W/kg = -8.27 dBW/kg

Test Laboratory: A Test Lab Techno Corp.

Date: 2014/9/20 Time: AM 12:34:51

**166\_RC\_802.11b CH1\_1M**

**DUT: 88 Tauri; Type: GSM/WCDMA/LTE Android Smartphone; Serial: 356537050191189**

Communication System: UID 0, IEEE 802.11b (0); Frequency: 2412 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 2412$  MHz;  $\sigma = 1.792$  S/m;  $\epsilon_r = 38.418$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977; ConvF(7.24, 7.24, 7.24); Calibrated: 2014/2/17;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2014/2/25
- Phantom: SAM with CRP; Type: SAM; Serial: TP-1150 and higher
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Right Cheek/Area Scan (121x211x1):**

Interpolated grid:  $dx=1.000$  mm,  $dy=1.000$  mm

Maximum value of SAR (interpolated) = 0.129 W/kg

**Right Cheek/Zoom Scan (7x7x7)/Cube 0:**

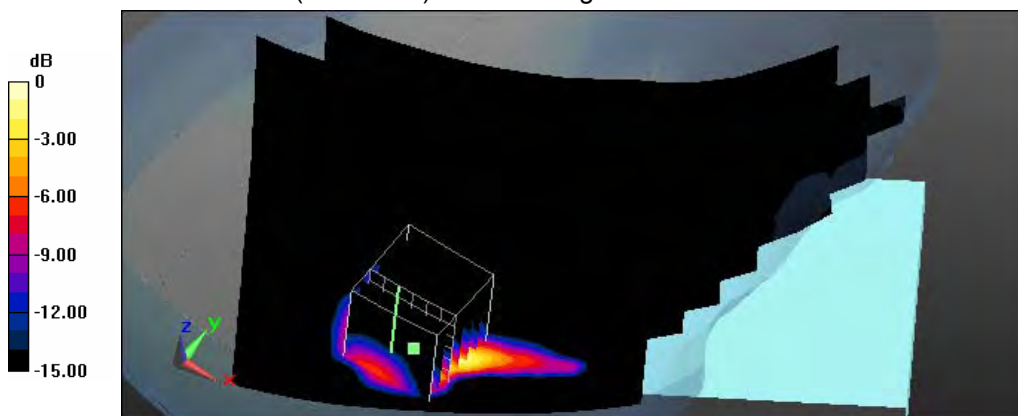
Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 2.951 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.168 W/kg

**SAR(1 g) = 0.066 W/kg; SAR(10 g) = 0.028 W/kg**

Maximum value of SAR (measured) = 0.112 W/kg



0 dB = 0.112 W/kg = -9.51 dBW/kg

Test Laboratory: A Test Lab Techno Corp.

Date: 2014/9/20 Time: AM 01:15:48

**167\_RT\_802.11b CH1\_1M**

**DUT: 88 Tauri; Type: GSM/WCDMA/LTE Android Smartphone; Serial: 356537050191189**

Communication System: UID 0, IEEE 802.11b (0); Frequency: 2412 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 2412 \text{ MHz}$ ;  $\sigma = 1.792 \text{ S/m}$ ;  $\epsilon_r = 38.418$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977; ConvF(7.24, 7.24, 7.24); Calibrated: 2014/2/17;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2014/2/25
- Phantom: SAM with CRP; Type: SAM; Serial: TP-1150 and higher
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Right Tilted/Area Scan (121x211x1):**

Interpolated grid:  $dx=1.000 \text{ mm}$ ,  $dy=1.000 \text{ mm}$

Maximum value of SAR (interpolated) = 0.114 W/kg

**Right Tilted/Zoom Scan (7x7x7)/Cube 0:**

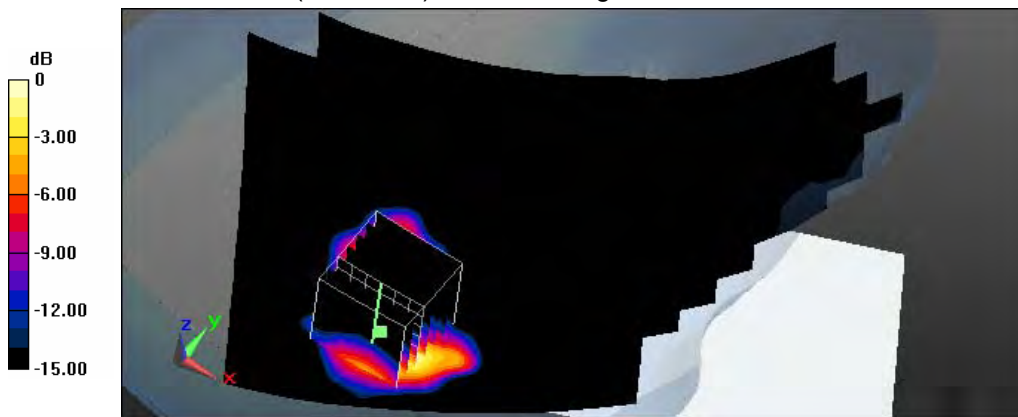
Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 3.328 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 0.134 W/kg

**SAR(1 g) = 0.057 W/kg; SAR(10 g) = 0.024 W/kg**

Maximum value of SAR (measured) = 0.0910 W/kg



0 dB = 0.0910 W/kg = -10.41 dBW/kg

Test Laboratory: A Test Lab Techno Corp.

Date: 2014/9/22 Time: AM 11:03:13

**168\_LC\_802.11b CH1\_1M**

**DUT: 88 Tauri; Type: GSM/WCDMA/LTE Android Smartphone; Serial: 356537050191189**

Communication System: UID 0, IEEE 802.11b (0); Frequency: 2412 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 2412 \text{ MHz}$ ;  $\sigma = 1.792 \text{ S/m}$ ;  $\epsilon_r = 38.418$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977; ConvF(7.24, 7.24, 7.24); Calibrated: 2014/2/17;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2014/2/25
- Phantom: SAM with CRP; Type: SAM; Serial: TP-1150 and higher
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Left Cheek/Area Scan (121x211x1):**

Interpolated grid:  $dx=1.000 \text{ mm}$ ,  $dy=1.000 \text{ mm}$

Maximum value of SAR (interpolated) = 0.0257 W/kg

**Left Cheek/Zoom Scan (7x7x7)/Cube 0:**

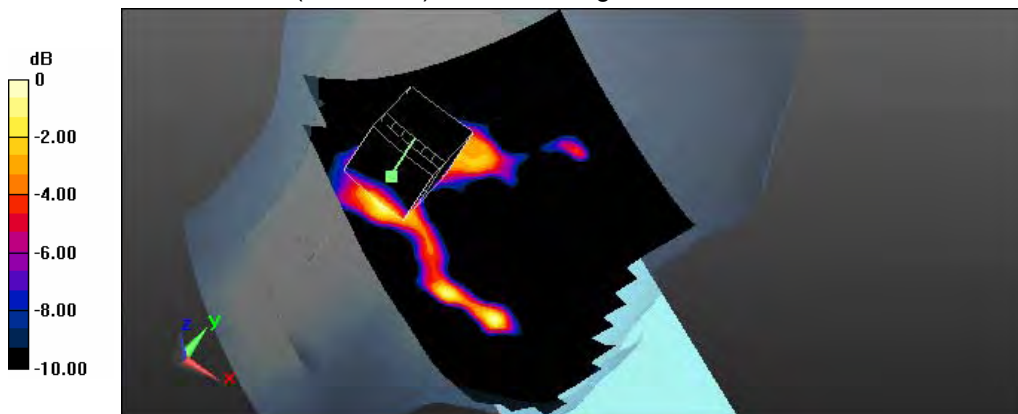
Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 2.097 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.0630 W/kg

**SAR(1 g) = 0.015 W/kg; SAR(10 g) = 0.0059 W/kg**

Maximum value of SAR (measured) = 0.0213 W/kg



0 dB = 0.0213 W/kg = -16.72 dBW/kg

Test Laboratory: A Test Lab Techno Corp.

Date: 2014/9/22 Time: AM 11:45:18

**169\_LT\_802.11b CH1\_1M**

**DUT: 88 Tauri; Type: GSM/WCDMA/LTE Android Smartphone; Serial: 356537050191189**

Communication System: UID 0, IEEE 802.11b (0); Frequency: 2412 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 2412$  MHz;  $\sigma = 1.792$  S/m;  $\epsilon_r = 38.418$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977; ConvF(7.24, 7.24, 7.24); Calibrated: 2014/2/17;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2014/2/25
- Phantom: SAM with CRP; Type: SAM; Serial: TP-1150 and higher
- Measurement SW: DASYS2, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Left Tilted/Area Scan (121x211x1):**

Interpolated grid:  $dx=1.000$  mm,  $dy=1.000$  mm

Maximum value of SAR (interpolated) = 0.0256 W/kg

**Left Tilted/Zoom Scan (7x7x7)/Cube 0:**

Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 2.400 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 0.0300 W/kg

**SAR(1 g) = 0.015 W/kg; SAR(10 g) = 0.00639 W/kg**

Maximum value of SAR (measured) = 0.0227 W/kg



0 dB = 0.0227 W/kg = -16.44 dBW/kg



Test Laboratory: A Test Lab Techno Corp.

Date: 2014/9/22Time: PM 02:27:41

**170\_RC\_802.11g CH6\_6M**

**DUT: 88 Tauri;Type: GSM/WCDMA/LTE Android Smartphone;Serial: 356537050191189**

Communication System: UID 0, IEEE 802.11g (0);Frequency: 2437 MHz;Duty Cycle: 1:1

Medium parameters used:  $f = 2437 \text{ MHz}$ ;  $\sigma = 1.823 \text{ S/m}$ ;  $\epsilon_r = 38.37$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977;ConvF(7.24, 7.24, 7.24); Calibrated: 2014/2/17;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779;Calibrated: 2014/2/25
- Phantom: SAM with CRP;Type: SAM;Serial: TP-1150 and higher
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

**Right Cheek/Area Scan (131x211x1):**

Interpolated grid:  $dx=1.000 \text{ mm}$ ,  $dy=1.000 \text{ mm}$

Maximum value of SAR (interpolated) = 0.299 W/kg

**Right Cheek/Zoom Scan (7x7x7)/Cube 0:**

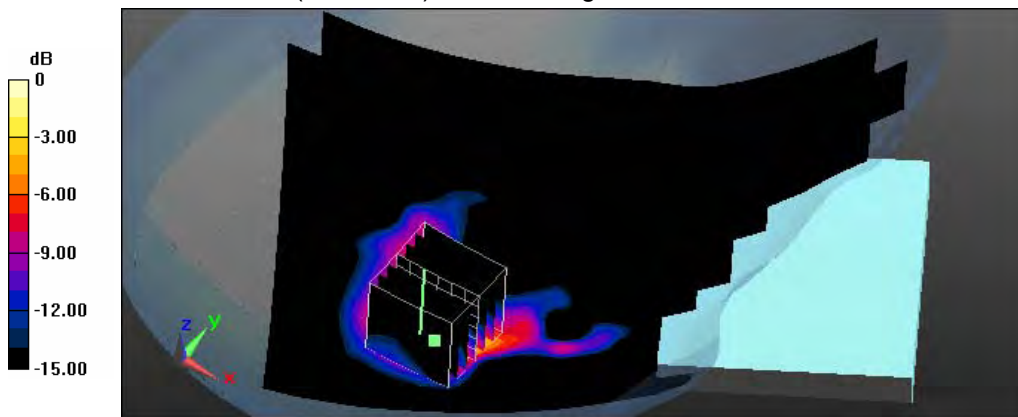
Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 3.903 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 0.493 W/kg

**SAR(1 g) = 0.196 W/kg; SAR(10 g) = 0.077 W/kg**

Maximum value of SAR (measured) = 0.329 W/kg



0 dB = 0.329 W/kg = -4.83 dBW/kg



Test Laboratory: A Test Lab Techno Corp.

Date: 2014/9/22 Time: PM 03:11:23

**171\_RT\_802.11g CH6\_6M**

**DUT: 88 Tauri; Type: GSM/WCDMA/LTE Android Smartphone; Serial: 356537050191189**

Communication System: UID 0, IEEE 802.11g (0); Frequency: 2437 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 2437 \text{ MHz}$ ;  $\sigma = 1.823 \text{ S/m}$ ;  $\epsilon_r = 38.37$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977; ConvF(7.24, 7.24, 7.24); Calibrated: 2014/2/17;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2014/2/25
- Phantom: SAM with CRP; Type: SAM; Serial: TP-1150 and higher
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Right Tilted/Area Scan (131x211x1):**

Interpolated grid:  $dx=1.000 \text{ mm}$ ,  $dy=1.000 \text{ mm}$

Maximum value of SAR (interpolated) = 0.273 W/kg

**Right Tilted/Zoom Scan (7x7x7)/Cube 0:**

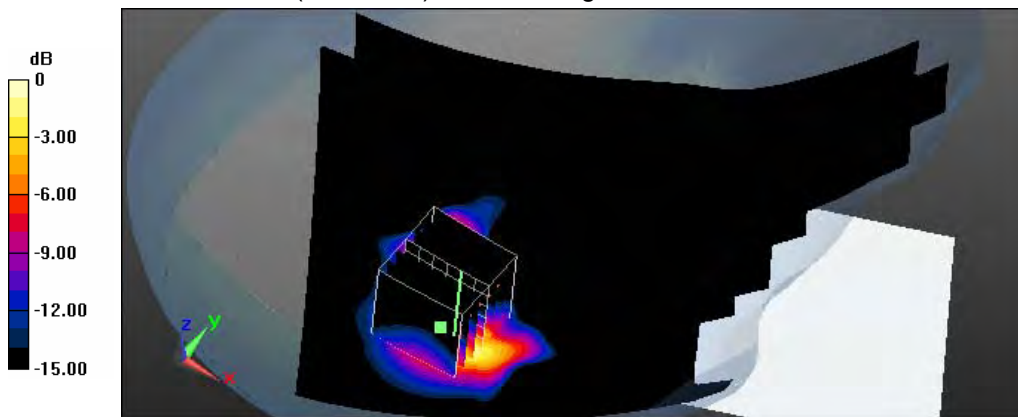
Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 4.297 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.446 W/kg

**SAR(1 g) = 0.182 W/kg; SAR(10 g) = 0.072 W/kg**

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



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

Test Laboratory: A Test Lab Techno Corp.

Date: 2014/9/22 Time: PM 04:08:25

**172\_LC\_802.11g CH6\_6M**

**DUT: 88 Tauri; Type: GSM/WCDMA/LTE Android Smartphone; Serial: 356537050191189**

Communication System: UID 0, IEEE 802.11g (0); Frequency: 2437 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 2437 \text{ MHz}$ ;  $\sigma = 1.823 \text{ S/m}$ ;  $\epsilon_r = 38.37$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977; ConvF(7.24, 7.24, 7.24); Calibrated: 2014/2/17;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2014/2/25
- Phantom: SAM with CRP; Type: SAM; Serial: TP-1150 and higher
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Left Cheek/Area Scan (121x211x1):**

Interpolated grid:  $dx=1.000 \text{ mm}$ ,  $dy=1.000 \text{ mm}$

Maximum value of SAR (interpolated) = 0.0766 W/kg

**Left Cheek/Zoom Scan (7x7x7)/Cube 0:**

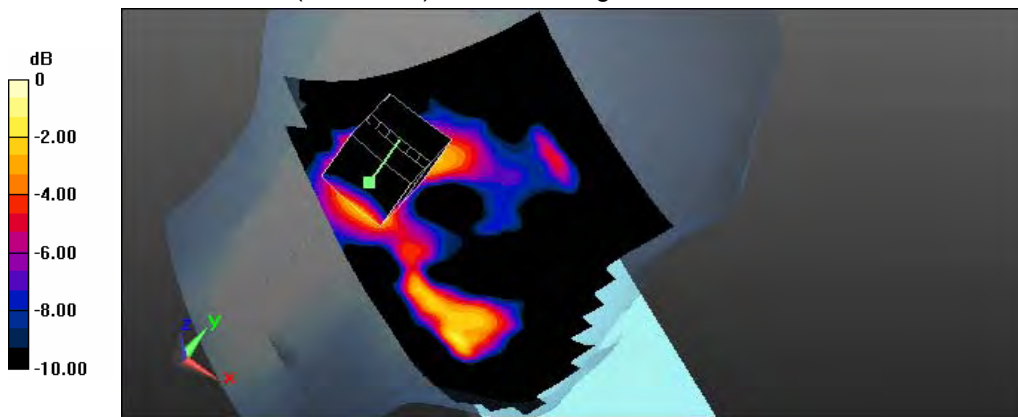
Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 3.216 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 0.0930 W/kg

**SAR(1 g) = 0.046 W/kg; SAR(10 g) = 0.021 W/kg**

Maximum value of SAR (measured) = 0.0681 W/kg



0 dB = 0.0681 W/kg = -11.67 dBW/kg

Test Laboratory: A Test Lab Techno Corp.

Date: 2014/9/22Time: PM 04:50:01

**173\_LT\_802.11g CH6\_6M**

**DUT: 88 Tauri;Type: GSM/WCDMA/LTE Android Smartphone;Serial: 356537050191189**

Communication System: UID 0, IEEE 802.11g (0);Frequency: 2437 MHz;Duty Cycle: 1:1

Medium parameters used:  $f = 2437 \text{ MHz}$ ;  $\sigma = 1.823 \text{ S/m}$ ;  $\epsilon_r = 38.37$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977;ConvF(7.24, 7.24, 7.24); Calibrated: 2014/2/17;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779;Calibrated: 2014/2/25
- Phantom: SAM with CRP;Type: SAM;Serial: TP-1150 and higher
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

**Left Tilted/Area Scan (121x211x1):**

Interpolated grid:  $dx=1.000 \text{ mm}$ ,  $dy=1.000 \text{ mm}$

Maximum value of SAR (interpolated) = 0.0779 W/kg

**Left Tilted/Zoom Scan (7x7x7)/Cube 0:**

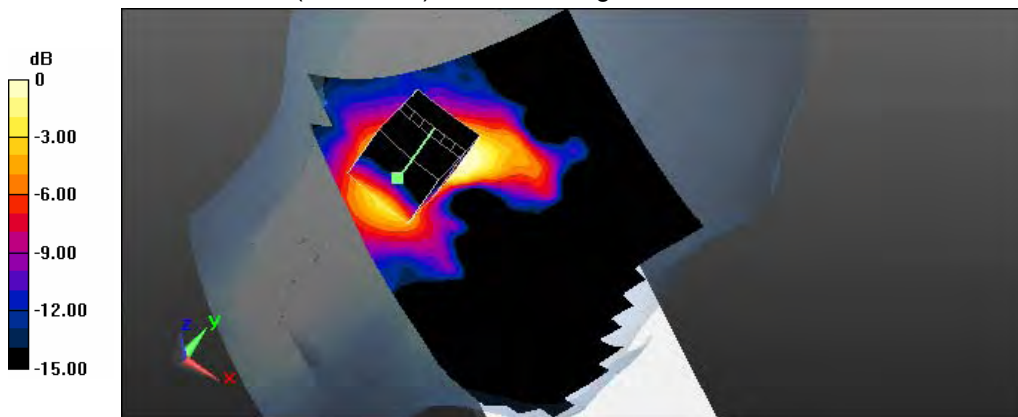
Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 4.191 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 0.0970 W/kg

**SAR(1 g) = 0.049 W/kg; SAR(10 g) = 0.024 W/kg**

Maximum value of SAR (measured) = 0.0739 W/kg



0 dB = 0.0739 W/kg = -11.31 dBW/kg

Test Laboratory: A Test Lab Techno Corp.

Date: 2014/9/22 Time: PM 05:42:34

**174\_RC\_802.11n HT20 CH6\_6.5M**

**DUT: 88 Tauri; Type: GSM/WCDMA/LTE Android Smartphone; Serial: 356537050191189**

Communication System: UID 0, IEEE 802.11n(2.4GHz) (0); Frequency: 2437 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 2437 \text{ MHz}$ ;  $\sigma = 1.823 \text{ S/m}$ ;  $\epsilon_r = 38.37$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977; ConvF(7.24, 7.24, 7.24); Calibrated: 2014/2/17;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2014/2/25
- Phantom: SAM with CRP; Type: SAM; Serial: TP-1150 and higher
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Right Cheek/Area Scan (131x211x1):**

Interpolated grid:  $dx=1.000 \text{ mm}$ ,  $dy=1.000 \text{ mm}$

Maximum value of SAR (interpolated) = 0.240 W/kg

**Right Cheek/Zoom Scan (7x7x7)/Cube 0:**

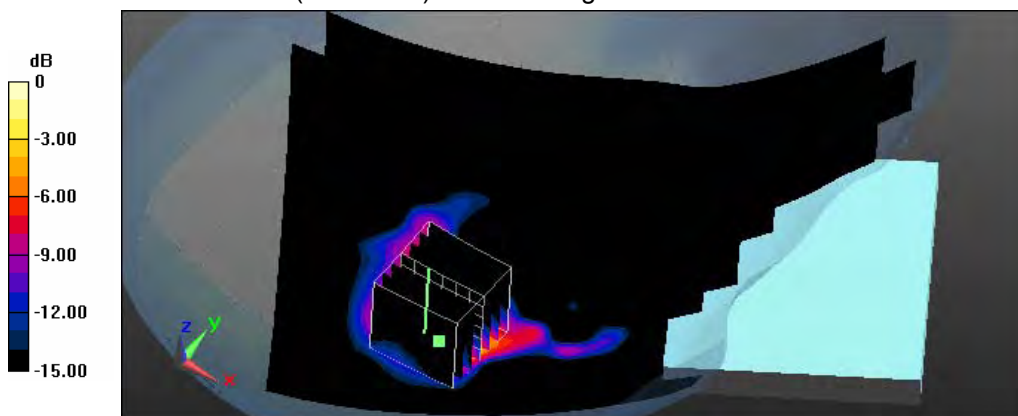
Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 3.762 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.452 W/kg

**SAR(1 g) = 0.170 W/kg; SAR(10 g) = 0.066 W/kg**

Maximum value of SAR (measured) = 0.286 W/kg



0 dB = 0.286 W/kg = -5.44 dBW/kg

Test Laboratory: A Test Lab Techno Corp.

Date: 2014/9/22Time: PM 06:30:01

**175\_RT\_802.11n HT20 CH6\_6.5M**

**DUT: 88 Tauri;Type: GSM/WCDMA/LTE Android Smartphone;Serial: 356537050191189**

Communication System: UID 0, IEEE 802.11n(2.4GHz) (0);Frequency: 2437 MHz;Duty Cycle: 1:1

Medium parameters used:  $f = 2437$  MHz;  $\sigma = 1.823$  S/m;  $\epsilon_r = 38.37$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977;ConvF(7.24, 7.24, 7.24); Calibrated: 2014/2/17;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779;Calibrated: 2014/2/25
- Phantom: SAM with CRP;Type: SAM;Serial: TP-1150 and higher
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

**Right Tilted/Area Scan (131x211x1):**

Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.217 W/kg

**Right Tilted/Zoom Scan (7x7x7)/Cube 0:**

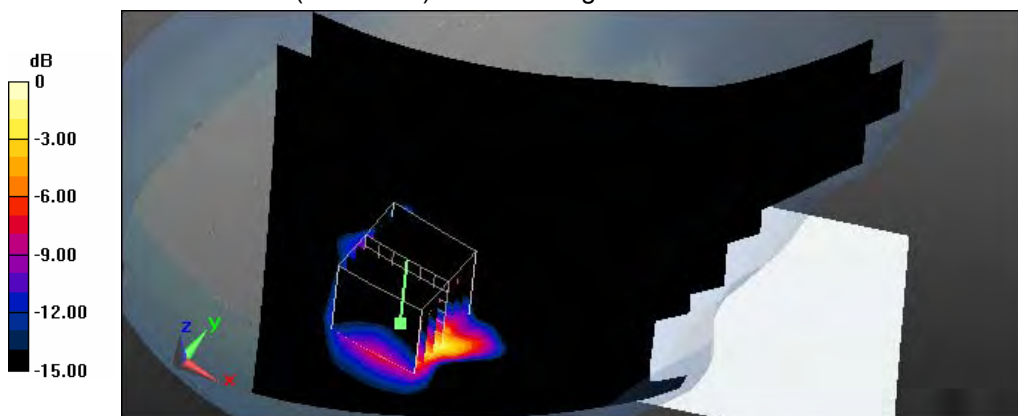
Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 3.953 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.352 W/kg

**SAR(1 g) = 0.141 W/kg; SAR(10 g) = 0.056 W/kg**

Maximum value of SAR (measured) = 0.239 W/kg



0 dB = 0.239 W/kg = -6.22 dBW/kg

Test Laboratory: A Test Lab Techno Corp.

Date: 2014/9/22 Time: PM 07:17:45

**176\_LC\_802.11n HT20 CH6\_6.5M**

**DUT: 88 Tauri; Type: GSM/WCDMA/LTE Android Smartphone; Serial: 356537050191189**

Communication System: UID 0, IEEE 802.11n(2.4GHz) (0); Frequency: 2437 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 2437 \text{ MHz}$ ;  $\sigma = 1.823 \text{ S/m}$ ;  $\epsilon_r = 38.37$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977; ConvF(7.24, 7.24, 7.24); Calibrated: 2014/2/17;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2014/2/25
- Phantom: SAM with CRP; Type: SAM; Serial: TP-1150 and higher
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Left Cheek/Area Scan (131x211x1):**

Interpolated grid:  $dx=1.000 \text{ mm}$ ,  $dy=1.000 \text{ mm}$

Maximum value of SAR (interpolated) = 0.0609 W/kg

**Left Cheek/Zoom Scan (7x7x7)/Cube 0:**

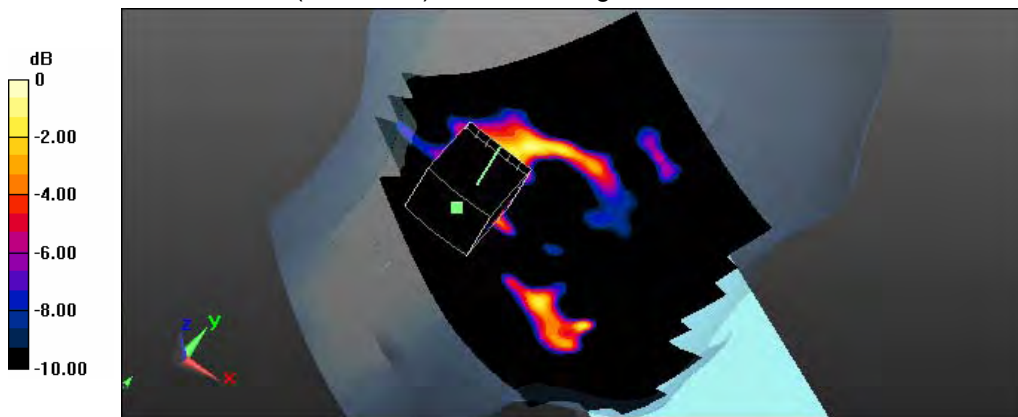
Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 2.537 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.0820 W/kg

**SAR(1 g) = 0.025 W/kg; SAR(10 g) = 0.00768 W/kg**

Maximum value of SAR (measured) = 0.0495 W/kg



0 dB = 0.0495 W/kg = -13.05 dBW/kg

Test Laboratory: A Test Lab Techno Corp.

Date: 2014/9/22Time: PM 07:59:52

**177\_LT\_802.11n HT20 CH6\_6.5M**

**DUT: 88 Tauri;Type: GSM/WCDMA/LTE Android Smartphone;Serial: 356537050191189**

Communication System: UID 0, IEEE 802.11n(2.4GHz) (0);Frequency: 2437 MHz;Duty Cycle: 1:1

Medium parameters used:  $f = 2437$  MHz;  $\sigma = 1.823$  S/m;  $\epsilon_r = 38.37$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977;ConvF(7.24, 7.24, 7.24); Calibrated: 2014/2/17;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779;Calibrated: 2014/2/25
- Phantom: SAM with CRP;Type: SAM;Serial: TP-1150 and higher
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

**Left Tilted/Area Scan (131x211x1):**

Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.0644 W/kg

**Left Tilted/Zoom Scan (7x7x7)/Cube 0:**

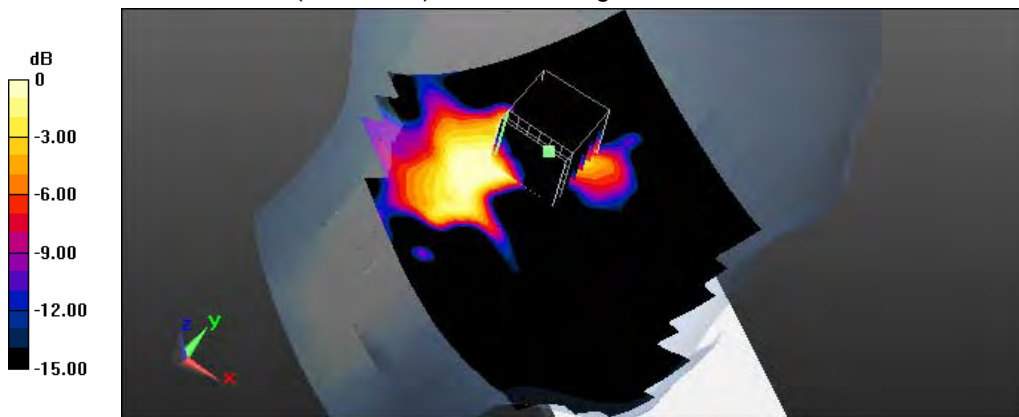
Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 3.241 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.0670 W/kg

**SAR(1 g) = 0.035 W/kg; SAR(10 g) = 0.016 W/kg**

Maximum value of SAR (measured) = 0.0507 W/kg



0 dB = 0.0507 W/kg = -12.95 dBW/kg



Test Laboratory: A Test Lab Techno Corp.

Date: 2014/9/4 Time: PM 04:20:10

**1\_Flat\_GSM 850 CH251\_headset\_side1 surface to phantom 10mm\_SIM1**

**DUT: 88 Tauri; Type: GSM/WCDMA/LTE Android Smartphone; Serial: 356537050191189**

Communication System: UID 0, GSM850 (0); Frequency: 848.8 MHz; Duty Cycle: 1:8

Medium parameters used:  $f = 849 \text{ MHz}$ ;  $\sigma = 1.009 \text{ S/m}$ ;  $\epsilon_r = 55.288$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977; ConvF(9.74, 9.74, 9.74); Calibrated: 2014/2/17;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2014/2/25
- Phantom: SAM with CRP; Type: SAM; Serial: TP-1150 and higher
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Flat/Area Scan (81x131x1):**

Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.652 W/kg

**Flat/Zoom Scan (5x5x7)/Cube 0:**

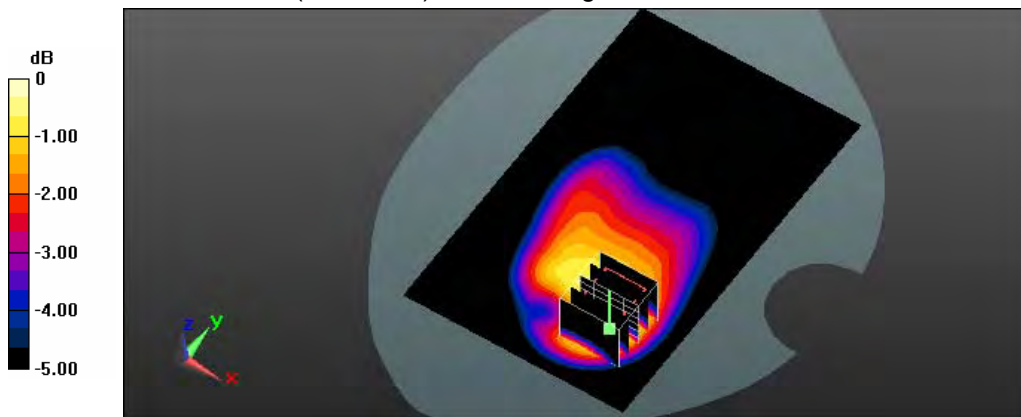
Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 18.448 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.758 W/kg

**SAR(1 g) = 0.510 W/kg; SAR(10 g) = 0.342 W/kg**

Maximum value of SAR (measured) = 0.640 W/kg



0 dB = 0.640 W/kg = -1.94 dBW/kg



Test Laboratory: A Test Lab Techno Corp.

Date: 2014/9/4 Time: PM 04:44:29

## 2\_Flat\_GSM 850 CH251\_headset\_side2 surface to phantom 10mm\_SIM1

**DUT: 88 Tauri; Type: GSM/WCDMA/LTE Android Smartphone; Serial: 356537050191189**

Communication System: UID 0, GSM850 (0); Frequency: 848.8 MHz; Duty Cycle: 1:8

Medium parameters used:  $f = 849 \text{ MHz}$ ;  $\sigma = 1.009 \text{ S/m}$ ;  $\epsilon_r = 55.288$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977; ConvF(9.74, 9.74, 9.74); Calibrated: 2014/2/17;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2014/2/25
- Phantom: SAM with CRP; Type: SAM; Serial: TP-1150 and higher
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

### Flat/Area Scan (81x131x1):

Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.684 W/kg

### Flat/Zoom Scan (5x5x7)/Cube 0:

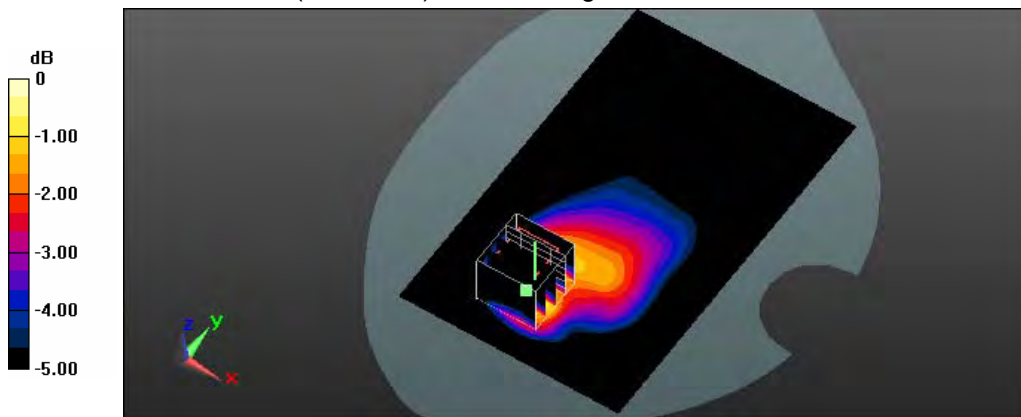
Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 16.871 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.781 W/kg

**SAR(1 g) = 0.540 W/kg; SAR(10 g) = 0.349 W/kg**

Maximum value of SAR (measured) = 0.669 W/kg



0 dB = 0.669 W/kg = -1.75 dBW/kg

Test Laboratory: A Test Lab Techno Corp.

Date: 2014/9/4 Time: PM 05:34:07

### 3\_Flat\_GPRS 850 CH190\_3D2U\_side1 surface to phantom 10mm\_SIM1

**DUT: 88 Tauri; Type: GSM/WCDMA/LTE Android Smartphone; Serial: 356537050191189**

Communication System: UID 0, GPRS 850 (3Down, 2Up) (0); Frequency: 836.6 MHz; Duty Cycle: 1:4

Medium parameters used:  $f = 837 \text{ MHz}$ ;  $\sigma = 0.992 \text{ S/m}$ ;  $\epsilon_r = 55.305$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977; ConvF(9.74, 9.74, 9.74); Calibrated: 2014/2/17;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2014/2/25
- Phantom: SAM with CRP; Type: SAM; Serial: TP-1150 and higher
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

#### Flat/Area Scan (81x131x1):

Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

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

#### Flat/Zoom Scan (5x5x7)/Cube 0:

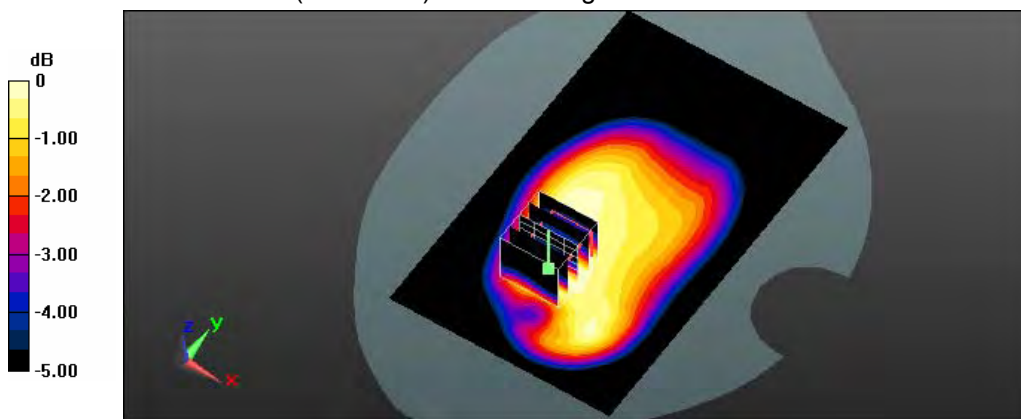
Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 21.002 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.535 W/kg

**SAR(1 g) = 0.416 W/kg; SAR(10 g) = 0.313 W/kg**

Maximum value of SAR (measured) = 0.479 W/kg



0 dB = 0.479 W/kg = -3.20 dBW/kg

Test Laboratory: A Test Lab Techno Corp.

Date: 2014/9/4 Time: PM 05:10:50

#### 4\_Flat\_GPRS 850 CH190\_3D2U\_side2 surface to phantom 10mm\_SIM1

**DUT: 88 Tauri; Type: GSM/WCDMA/LTE Android Smartphone; Serial: 356537050191189**

Communication System: UID 0, GPRS 850 (3Down, 2Up) (0); Frequency: 836.6 MHz; Duty Cycle: 1:4

Medium parameters used:  $f = 837 \text{ MHz}$ ;  $\sigma = 0.992 \text{ S/m}$ ;  $\epsilon_r = 55.305$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977; ConvF(9.74, 9.74, 9.74); Calibrated: 2014/2/17;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2014/2/25
- Phantom: SAM with CRP; Type: SAM; Serial: TP-1150 and higher
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

#### Flat/Area Scan (81x131x1):

Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.531 W/kg

#### Flat/Zoom Scan (5x5x7)/Cube 0:

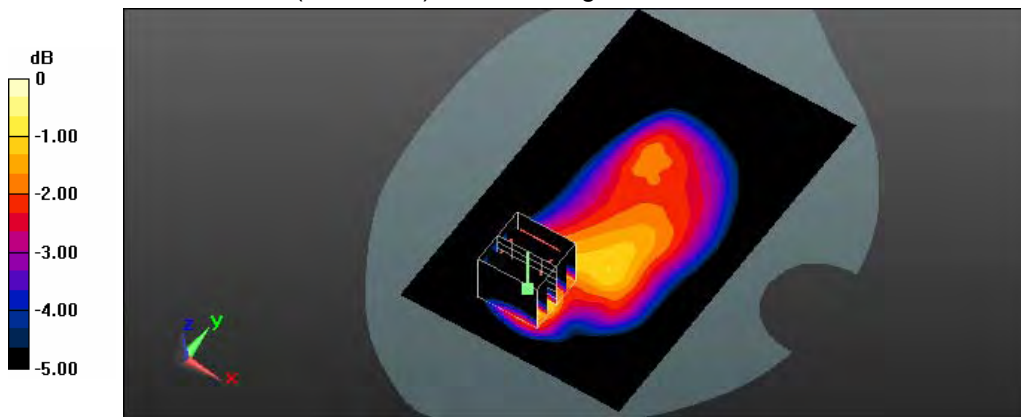
Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 18.498 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.607 W/kg

**SAR(1 g) = 0.399 W/kg; SAR(10 g) = 0.257 W/kg**

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



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

Test Laboratory: A Test Lab Techno Corp.

Date: 2014/9/5 Time: PM 05:11:22

**5\_Flat\_GPRS 850 CH190\_3D2U\_side4 surface to phantom 10mm\_SIM1**

**DUT: 88 Tauri; Type: GSM/WCDMA/LTE Android Smartphone; Serial: 356537050191189**

Communication System: UID 0, GPRS 850 (3Down, 2Up) (0); Frequency: 836.6 MHz; Duty Cycle: 1:4

Medium parameters used:  $f = 837 \text{ MHz}$ ;  $\sigma = 0.992 \text{ S/m}$ ;  $\epsilon_r = 55.305$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977; ConvF(9.74, 9.74, 9.74); Calibrated: 2014/2/17;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2014/2/25
- Phantom: SAM with CRP; Type: SAM; Serial: TP-1150 and higher
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Flat/Area Scan (61x81x1):**

Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.111 W/kg

**Flat/Zoom Scan (5x5x7)/Cube 0:**

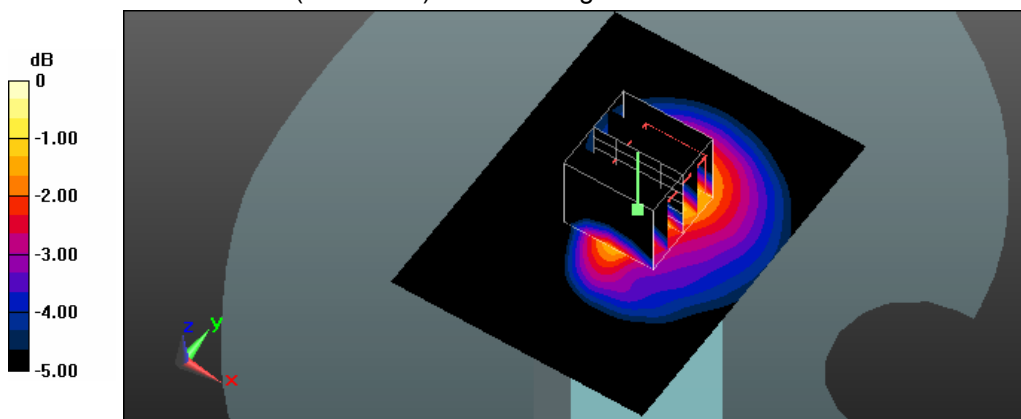
Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 10.629 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 0.135 W/kg

**SAR(1 g) = 0.091 W/kg; SAR(10 g) = 0.060 W/kg**

Maximum value of SAR (measured) = 0.114 W/kg



0 dB = 0.114 W/kg = -9.43 dBW/kg

Test Laboratory: A Test Lab Techno Corp.

Date: 2014/9/5 Time: PM 05:29:35

**6\_Flat\_GPRS 850 CH190\_3D2U\_side5 surface to phantom 10mm\_SIM1**

**DUT: 88 Tauri; Type: GSM/WCDMA/LTE Android Smartphone; Serial: 356537050191189**

Communication System: UID 0, GPRS 850 (3Down, 2Up) (0); Frequency: 836.6 MHz; Duty Cycle: 1:4

Medium parameters used:  $f = 837 \text{ MHz}$ ;  $\sigma = 0.992 \text{ S/m}$ ;  $\epsilon_r = 55.305$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977; ConvF(9.74, 9.74, 9.74); Calibrated: 2014/2/17;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2014/2/25
- Phantom: SAM with CRP; Type: SAM; Serial: TP-1150 and higher
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Flat/Area Scan (61x131x1):**

Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.371 W/kg

**Flat/Zoom Scan (5x5x7)/Cube 0:**

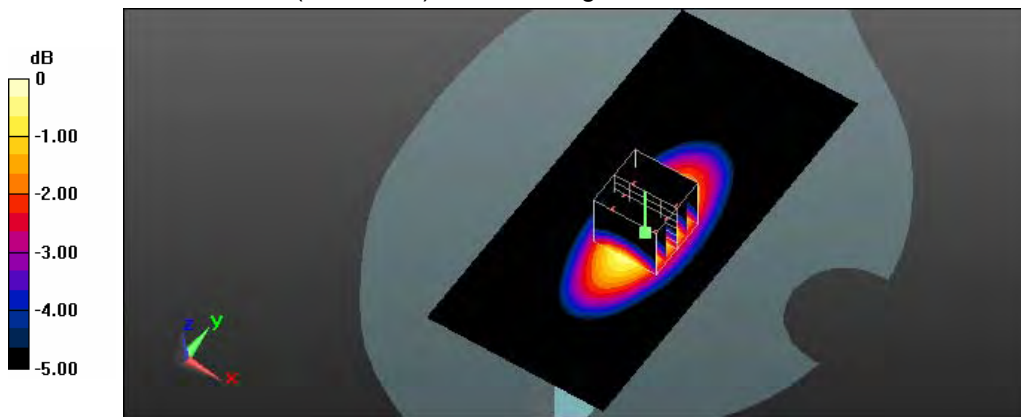
Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 18.316 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 0.433 W/kg

**SAR(1 g) = 0.304 W/kg; SAR(10 g) = 0.209 W/kg**

Maximum value of SAR (measured) = 0.376 W/kg



0 dB = 0.376 W/kg = -4.25 dBW/kg

Test Laboratory: A Test Lab Techno Corp.

Date: 2014/9/5 Time: PM 05:51:17

**7\_Flat\_GPRS 850 CH190\_3D2U\_side6 surface to phantom 10mm\_SIM1**

**DUT: 88 Tauri; Type: GSM/WCDMA/LTE Android Smartphone; Serial: 356537050191189**

Communication System: UID 0, GPRS 850 (3Down, 2Up) (0); Frequency: 836.6 MHz; Duty Cycle: 1:4

Medium parameters used:  $f = 837 \text{ MHz}$ ;  $\sigma = 0.992 \text{ S/m}$ ;  $\epsilon_r = 55.305$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977; ConvF(9.74, 9.74, 9.74); Calibrated: 2014/2/17;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2014/2/25
- Phantom: SAM with CRP; Type: SAM; Serial: TP-1150 and higher
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Flat/Area Scan (61x131x1):**

Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.192 W/kg

**Flat/Zoom Scan (5x5x7)/Cube 0:**

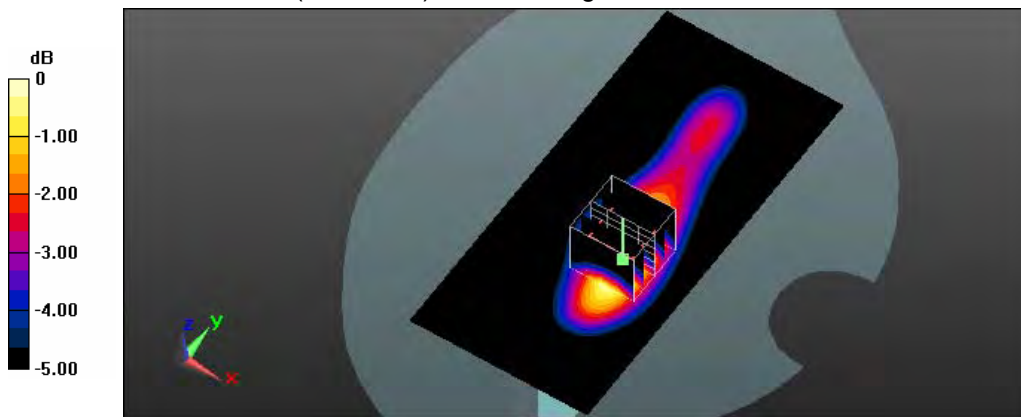
Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 11.916 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.224 W/kg

**SAR(1 g) = 0.156 W/kg; SAR(10 g) = 0.106 W/kg**

Maximum value of SAR (measured) = 0.194 W/kg



0 dB = 0.194 W/kg = -7.12 dBW/kg

Test Laboratory: A Test Lab Techno Corp.

Date: 2014/9/5 Time: PM 05:51:17

**7\_Flat\_GPRS 850 CH190\_3D2U\_side6 surface to phantom 10mm\_SIM1**

**DUT: 88 Tauri; Type: GSM/WCDMA/LTE Android Smartphone; Serial: 356537050191189**

Communication System: UID 0, GPRS 850 (3Down, 2Up) (0); Frequency: 836.6 MHz; Duty Cycle: 1:4

Medium parameters used:  $f = 837 \text{ MHz}$ ;  $\sigma = 0.992 \text{ S/m}$ ;  $\epsilon_r = 55.305$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977; ConvF(9.74, 9.74, 9.74); Calibrated: 2014/2/17;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2014/2/25
- Phantom: SAM with CRP; Type: SAM; Serial: TP-1150 and higher
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Flat/Area Scan (61x131x1):**

Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.192 W/kg

**Flat/Zoom Scan (5x5x7)/Cube 0:**

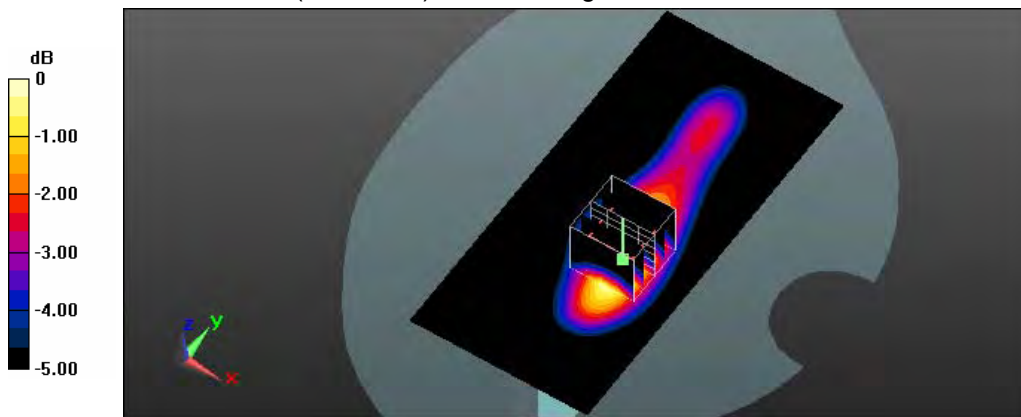
Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 11.916 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.224 W/kg

**SAR(1 g) = 0.156 W/kg; SAR(10 g) = 0.106 W/kg**

Maximum value of SAR (measured) = 0.194 W/kg



0 dB = 0.194 W/kg = -7.12 dBW/kg



Test Laboratory: A Test Lab Techno Corp.

Date: 2014/9/10 Time: PM 05:07:29

**33\_Flat\_DTM 850 CH128\_2D3U\_headset\_side2 surface to phantom 10mm\_SIM1**

**DUT: 88 Tauri; Type: GSM/WCDMA/LTE Android Smartphone; Serial: 356537050191189**

Communication System: UID 0, DTM 850 (2Down, 3Up) (0); Frequency: 824.2 MHz; Duty Cycle: 1:2.8

Medium parameters used (interpolated):  $f = 824.2$  MHz;  $\sigma = 0.978$  S/m;  $\epsilon_r = 55.317$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977; ConvF(9.74, 9.74, 9.74); Calibrated: 2014/2/17;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2014/2/25
- Phantom: SAM with CRP; Type: SAM; Serial: TP-1150 and higher
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Flat/Area Scan (81x131x1):**

Interpolated grid:  $dx=1.500$  mm,  $dy=1.500$  mm

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

**Flat/Zoom Scan (5x5x7)/Cube 0:**

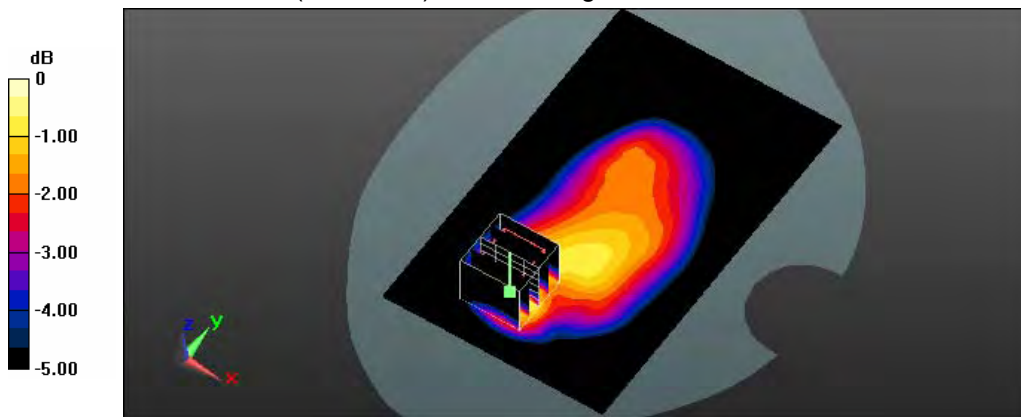
Measurement grid:  $dx=8$  mm,  $dy=8$  mm,  $dz=5$  mm

Reference Value = 17.032 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.483 W/kg

**SAR(1 g) = 0.321 W/kg; SAR(10 g) = 0.210 W/kg**

Maximum value of SAR (measured) = 0.403 W/kg



0 dB = 0.403 W/kg = -3.95 dBW/kg



Test Laboratory: A Test Lab Techno Corp.

Date: 2014/9/13 Time: PM 11:52:38

**116\_Flat\_PCS CH810\_headset\_side1 surface to phantom 10mm\_SIM1**

**DUT: 88 Tauri; Type: GSM/WCDMA/LTE Android Smartphone; Serial: 356537050191189**

Communication System: UID 0, PCS (0); Frequency: 1909.8 MHz; Duty Cycle: 1:8

Medium parameters used:  $f = 1910 \text{ MHz}$ ;  $\sigma = 1.496 \text{ S/m}$ ;  $\epsilon_r = 52.287$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977; ConvF(7.37, 7.37, 7.37); Calibrated: 2014/2/17;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2014/2/25
- Phantom: SAM with CRP; Type: SAM; Serial: TP-1150 and higher
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Flat/Area Scan (81x131x1):**

Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.494 W/kg

**Flat/Zoom Scan (5x5x7)/Cube 0:**

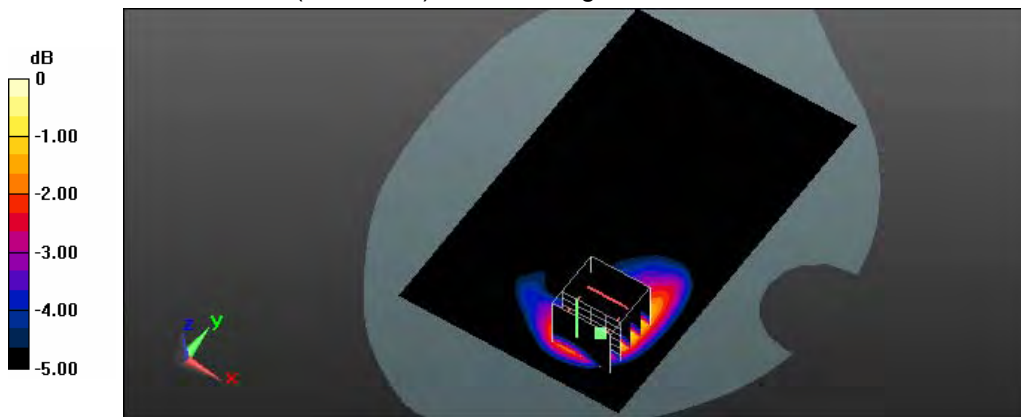
Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 7.237 V/m; Power Drift = -0.00 dB

Peak SAR (extrapolated) = 0.617 W/kg

**SAR(1 g) = 0.364 W/kg; SAR(10 g) = 0.210 W/kg**

Maximum value of SAR (measured) = 0.496 W/kg



0 dB = 0.496 W/kg = -3.05 dBW/kg

Test Laboratory: A Test Lab Techno Corp.

Date: 2014/9/14 Time: AM 01:03:33

**117\_Flat\_PCS CH810\_headset\_side2 surface to phantom 10mm\_SIM1**

**DUT: 88 Tauri; Type: GSM/WCDMA/LTE Android Smartphone; Serial: 356537050191189**

Communication System: UID 0, PCS (0); Frequency: 1909.8 MHz; Duty Cycle: 1:8

Medium parameters used:  $f = 1910 \text{ MHz}$ ;  $\sigma = 1.496 \text{ S/m}$ ;  $\epsilon_r = 52.287$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977; ConvF(7.37, 7.37, 7.37); Calibrated: 2014/2/17;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2014/2/25
- Phantom: SAM with CRP; Type: SAM; Serial: TP-1150 and higher
- Measurement SW: DASYS2, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Flat/Area Scan (81x131x1):**

Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.424 W/kg

**Flat/Zoom Scan (5x5x7)/Cube 0:**

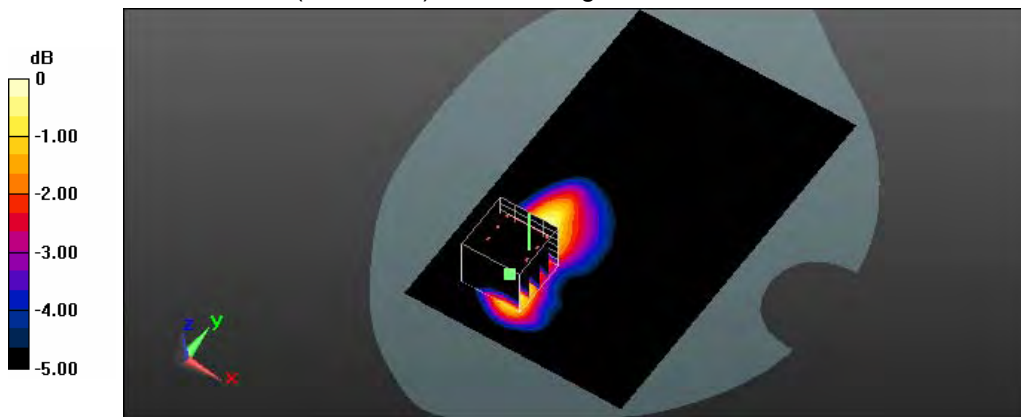
Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 8.462 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.502 W/kg

**SAR(1 g) = 0.313 W/kg; SAR(10 g) = 0.184 W/kg**

Maximum value of SAR (measured) = 0.408 W/kg



0 dB = 0.408 W/kg = -3.89 dBW/kg

Test Laboratory: A Test Lab Techno Corp.

Date: 2014/9/13 Time: PM 10:43:25

**118\_Flat\_GPRS PCS CH810\_2D3U\_side1 surface to phantom 10mm\_SIM1**

**DUT: 88 Tauri; Type: GSM/WCDMA/LTE Android Smartphone; Serial: 356537050191189**

Communication System: UID 0, GPRS PCS (2Down,3Up) (0); Frequency: 1909.8 MHz; Duty Cycle: 1:2.67

Medium parameters used:  $f = 1910 \text{ MHz}$ ;  $\sigma = 1.496 \text{ S/m}$ ;  $\epsilon_r = 52.287$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASYS5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977; ConvF(7.37, 7.37, 7.37); Calibrated: 2014/2/17;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2014/2/25
- Phantom: SAM with CRP; Type: SAM; Serial: TP-1150 and higher
- Measurement SW: DASYS52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Flat/Area Scan (81x131x1):**

Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.611 W/kg

**Flat/Zoom Scan (5x5x7)/Cube 0:**

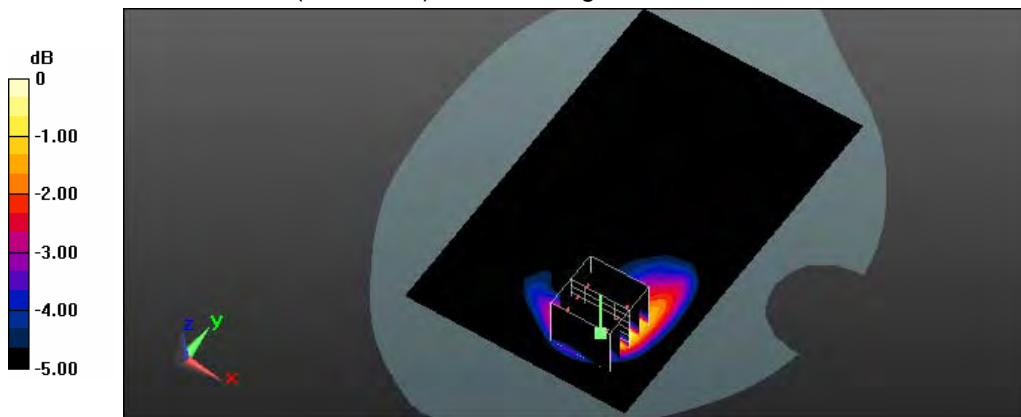
Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 8.097 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 0.730 W/kg

**SAR(1 g) = 0.435 W/kg; SAR(10 g) = 0.246 W/kg**

Maximum value of SAR (measured) = 0.568 W/kg



0 dB = 0.568 W/kg = -2.46 dBW/kg

Test Laboratory: A Test Lab Techno Corp.

Date: 2014/9/13 Time: PM 11:08:51

**119\_Flat\_GPRS PCS CH810\_2D3U\_side2 surface to phantom 10mm\_SIM1**

**DUT: 88 Tauri; Type: GSM/WCDMA/LTE Android Smartphone; Serial: 356537050191189**

Communication System: UID 0, GPRS PCS (2Down,3Up) (0); Frequency: 1909.8 MHz; Duty Cycle: 1:2.67

Medium parameters used:  $f = 1910 \text{ MHz}$ ;  $\sigma = 1.496 \text{ S/m}$ ;  $\epsilon_r = 52.287$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977; ConvF(7.37, 7.37, 7.37); Calibrated: 2014/2/17;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2014/2/25
- Phantom: SAM with CRP; Type: SAM; Serial: TP-1150 and higher
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Flat/Area Scan (81x131x1):**

Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.458 W/kg

**Flat/Zoom Scan (5x5x7)/Cube 0:**

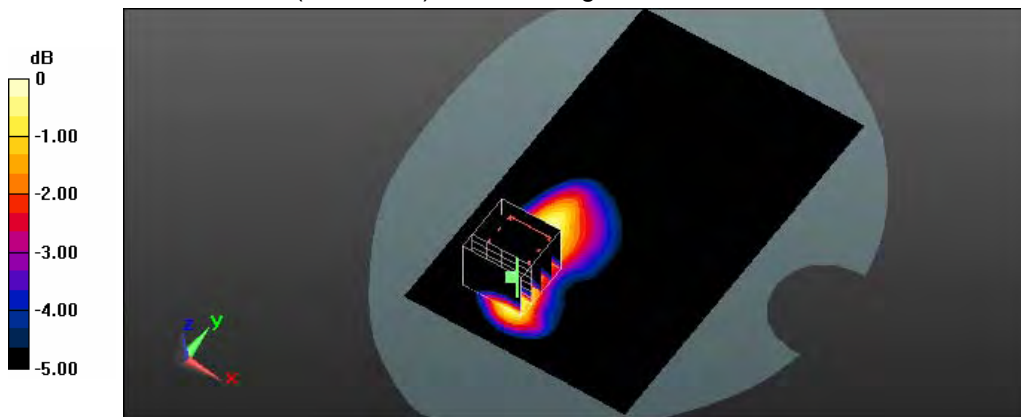
Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 8.697 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 0.535 W/kg

**SAR(1 g) = 0.327 W/kg; SAR(10 g) = 0.194 W/kg**

Maximum value of SAR (measured) = 0.426 W/kg



0 dB = 0.426 W/kg = -3.71 dBW/kg

Test Laboratory: A Test Lab Techno Corp.

Date: 2014/9/13 Time: PM 11:33:34

**120\_Flat\_GPRS PCS CH810\_2D3U\_side4 surface to phantom 10mm\_SIM1**

**DUT: 88 Tauri; Type: GSM/WCDMA/LTE Android Smartphone; Serial: 356537050191189**

Communication System: UID 0, GPRS PCS (2Down,3Up) (0); Frequency: 1909.8 MHz; Duty Cycle: 1:2.67

Medium parameters used:  $f = 1910 \text{ MHz}$ ;  $\sigma = 1.496 \text{ S/m}$ ;  $\epsilon_r = 52.287$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977; ConvF(7.37, 7.37, 7.37); Calibrated: 2014/2/17;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2014/2/25
- Phantom: SAM with CRP; Type: SAM; Serial: TP-1150 and higher
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Flat/Area Scan (61x81x1):**

Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.349 W/kg

**Flat/Zoom Scan (5x5x7)/Cube 0:**

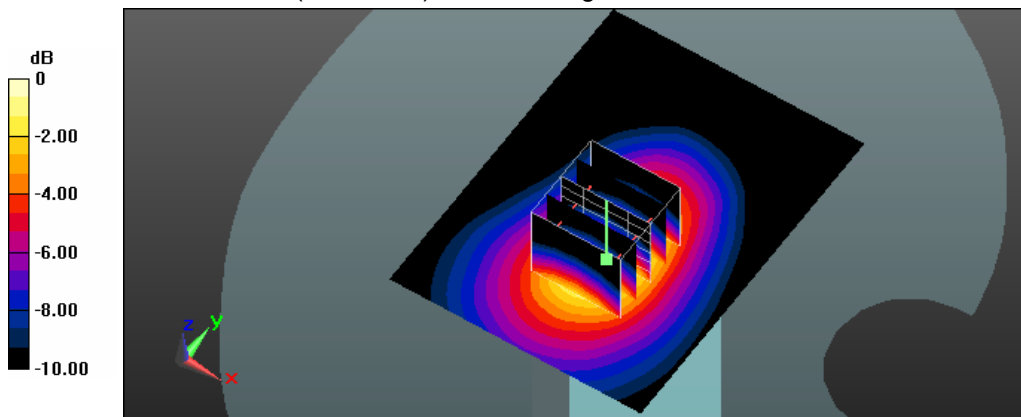
Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 12.180 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 0.431 W/kg

**SAR(1 g) = 0.262 W/kg; SAR(10 g) = 0.151 W/kg**

Maximum value of SAR (measured) = 0.354 W/kg



0 dB = 0.354 W/kg = -4.51 dBW/kg

Test Laboratory: A Test Lab Techno Corp.

Date: 2014/9/13 Time: PM 10:16:58

**121\_Flat\_GPRS PCS CH810\_2D3U\_side5 surface to phantom 10mm\_SIM1**

**DUT: 88 Tauri; Type: GSM/WCDMA/LTE Android Smartphone; Serial: 356537050191189**

Communication System: UID 0, GPRS PCS (2Down,3Up) (0); Frequency: 1909.8 MHz; Duty Cycle: 1:2.67

Medium parameters used:  $f = 1910 \text{ MHz}$ ;  $\sigma = 1.496 \text{ S/m}$ ;  $\epsilon_r = 52.287$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977; ConvF(7.37, 7.37, 7.37); Calibrated: 2014/2/17;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2014/2/25
- Phantom: SAM with CRP; Type: SAM; Serial: TP-1150 and higher
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Flat/Area Scan (61x131x1):**

Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.0607 W/kg

**Flat/Zoom Scan (5x5x7)/Cube 0:**

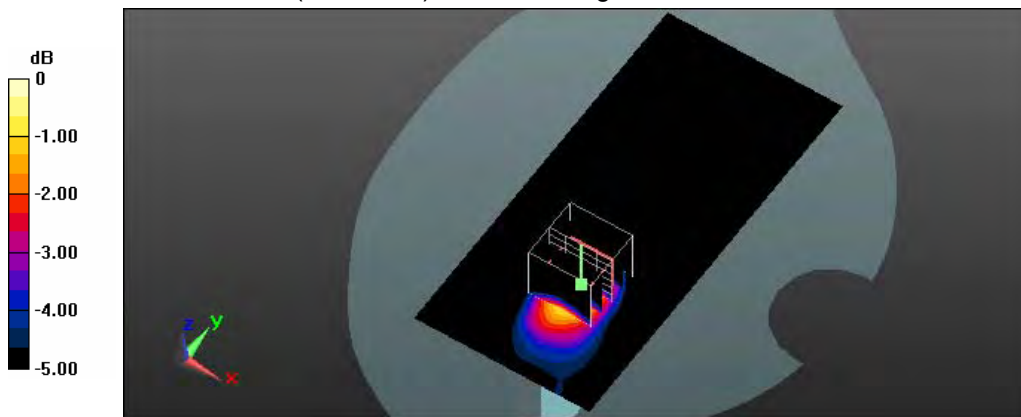
Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 2.558 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 0.0760 W/kg

**SAR(1 g) = 0.046 W/kg; SAR(10 g) = 0.026 W/kg**

Maximum value of SAR (measured) = 0.0612 W/kg



0 dB = 0.0612 W/kg = -12.13 dBW/kg

Test Laboratory: A Test Lab Techno Corp.

Date: 2014/9/13 Time: PM 09:56:28

**122\_Flat\_GPRS PCS CH810\_2D3U\_side6 surface to phantom 10mm\_SIM1**

**DUT: 88 Tauri; Type: GSM/WCDMA/LTE Android Smartphone; Serial: 356537050191189**

Communication System: UID 0, GPRS PCS (2Down,3Up) (0); Frequency: 1909.8 MHz; Duty Cycle: 1:2.67

Medium parameters used:  $f = 1910 \text{ MHz}$ ;  $\sigma = 1.496 \text{ S/m}$ ;  $\epsilon_r = 52.287$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977; ConvF(7.37, 7.37, 7.37); Calibrated: 2014/2/17;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2014/2/25
- Phantom: SAM with CRP; Type: SAM; Serial: TP-1150 and higher
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Flat/Area Scan (61x131x1):**

Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.410 W/kg

**Flat/Zoom Scan (5x5x7)/Cube 0:**

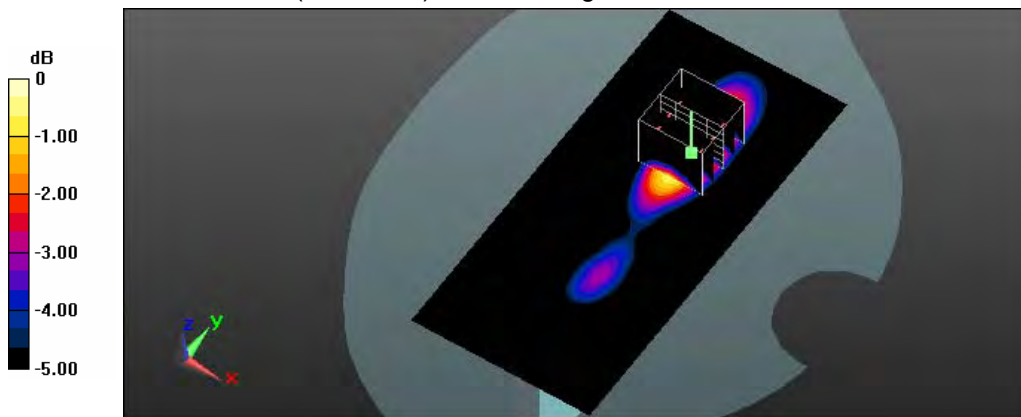
Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 10.348 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 0.500 W/kg

**SAR(1 g) = 0.306 W/kg; SAR(10 g) = 0.178 W/kg**

Maximum value of SAR (measured) = 0.410 W/kg



0 dB = 0.410 W/kg = -3.87 dBW/kg



Test Laboratory: A Test Lab Techno Corp.

Date: 2014/9/14 Time: AM 12:14:48

**123\_Flat\_DTM PCS CH810\_2D3U\_headset\_side1 surface to phantom 10mm\_SIM1**

**DUT: 88 Tauri; Type: GSM/WCDMA/LTE Android Smartphone; Serial: 356537050191189**

Communication System: UID 0, DTM PCS (2Down,3Up) (0); Frequency: 1909.8 MHz; Duty Cycle: 1:2.8

Medium parameters used:  $f = 1910 \text{ MHz}$ ;  $\sigma = 1.496 \text{ S/m}$ ;  $\epsilon_r = 52.287$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977; ConvF(7.37, 7.37, 7.37); Calibrated: 2014/2/17;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2014/2/25
- Phantom: SAM with CRP; Type: SAM; Serial: TP-1150 and higher
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

#### **Flat/Area Scan (81x131x1):**

Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.441 W/kg

#### **Flat/Zoom Scan (5x5x7)/Cube 0:**

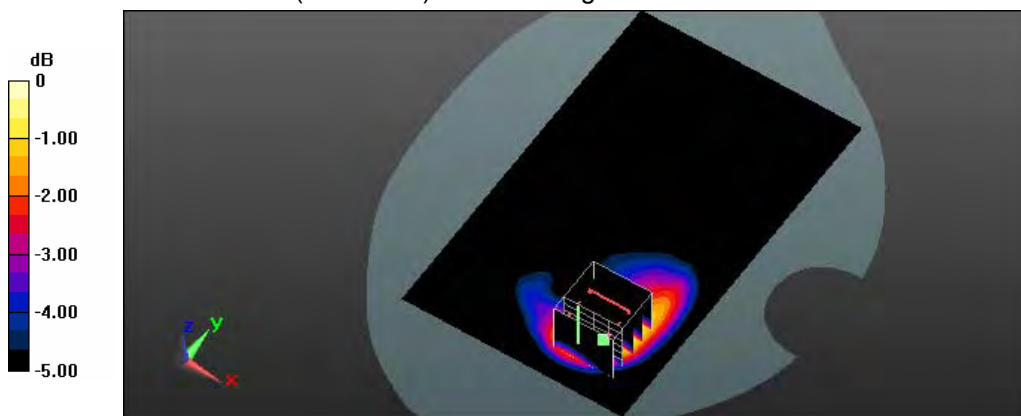
Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 7.162 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.553 W/kg

**SAR(1 g) = 0.333 W/kg; SAR(10 g) = 0.194 W/kg**

Maximum value of SAR (measured) = 0.447 W/kg



0 dB = 0.447 W/kg = -3.50 dBW/kg



Test Laboratory: A Test Lab Techno Corp.

Date: 2014/9/14 Time: AM 12:38:03

**124\_Flat\_DTM PCS CH810\_2D3U\_headset\_side2 surface to phantom 10mm\_SIM1**

**DUT: 88 Tauri; Type: GSM/WCDMA/LTE Android Smartphone; Serial: 356537050191189**

Communication System: UID 0, DTM PCS (2Down,3Up) (0); Frequency: 1909.8 MHz; Duty Cycle: 1:2.8

Medium parameters used:  $f = 1910 \text{ MHz}$ ;  $\sigma = 1.496 \text{ S/m}$ ;  $\epsilon_r = 52.287$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977; ConvF(7.37, 7.37, 7.37); Calibrated: 2014/2/17;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2014/2/25
- Phantom: SAM with CRP; Type: SAM; Serial: TP-1150 and higher
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Flat/Area Scan (81x131x1):**

Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.352 W/kg

**Flat/Zoom Scan (5x5x7)/Cube 0:**

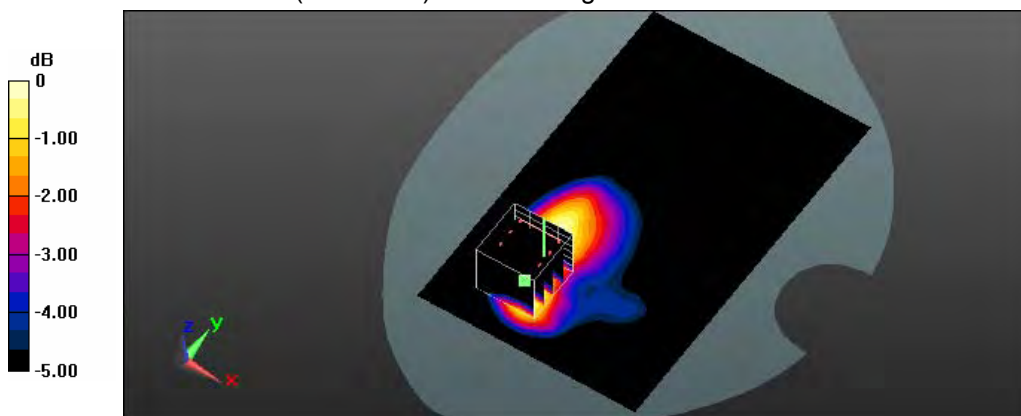
Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 8.462 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.414 W/kg

**SAR(1 g) = 0.257 W/kg; SAR(10 g) = 0.154 W/kg**

Maximum value of SAR (measured) = 0.332 W/kg



0 dB = 0.332 W/kg = -4.79 dBW/kg

Test Laboratory: A Test Lab Techno Corp.

Date: 2014/9/11 Time: PM 02:28:30

**50\_Flat\_GSM 850 CH251\_headset\_side1 surface to phantom 10mm\_SIM2**

**DUT: 88 Tauri; Type: GSM/WCDMA/LTE Android Smartphone; Serial: 356537050191189**

Communication System: UID 0, GSM850 (0); Frequency: 848.8 MHz; Duty Cycle: 1:8

Medium parameters used:  $f = 849 \text{ MHz}$ ;  $\sigma = 1.009 \text{ S/m}$ ;  $\epsilon_r = 55.288$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977; ConvF(9.74, 9.74, 9.74); Calibrated: 2014/2/17;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2014/2/25
- Phantom: SAM with CRP; Type: SAM; Serial: TP-1150 and higher
- Measurement SW: DASYS2, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Flat/Area Scan (81x131x1):**

Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.0824 W/kg

**Flat/Zoom Scan (5x5x7)/Cube 0:**

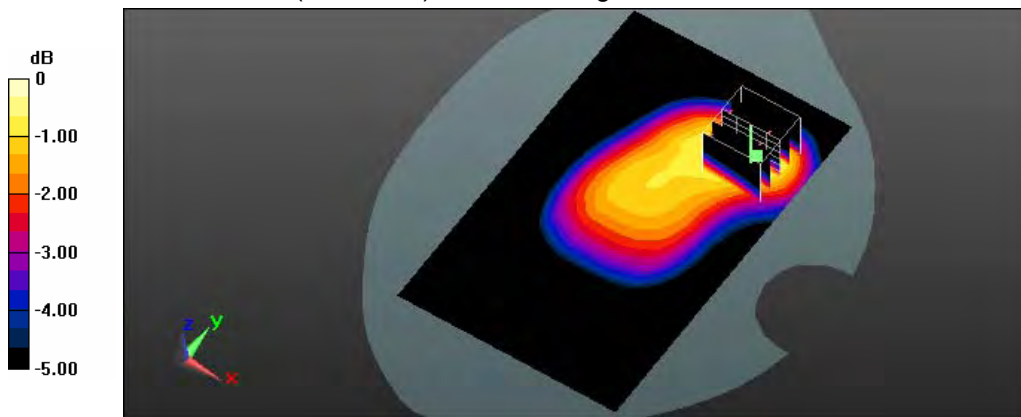
Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 7.784 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 0.0980 W/kg

**SAR(1 g) = 0.067 W/kg; SAR(10 g) = 0.047 W/kg**

Maximum value of SAR (measured) = 0.0825 W/kg



0 dB = 0.0825 W/kg = -10.84 dBW/kg

Test Laboratory: A Test Lab Techno Corp.

Date: 2014/9/11 Time: PM 03:01:57

**51\_Flat\_GSM 850 CH251\_headset\_side2 surface to phantom 10mm\_SIM2**

**DUT: 88 Tauri; Type: GSM/WCDMA/LTE Android Smartphone; Serial: 356537050191189**

Communication System: UID 0, GSM850 (0); Frequency: 848.8 MHz; Duty Cycle: 1:8

Medium parameters used:  $f = 849 \text{ MHz}$ ;  $\sigma = 1.009 \text{ S/m}$ ;  $\epsilon_r = 55.288$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977; ConvF(9.74, 9.74, 9.74); Calibrated: 2014/2/17;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2014/2/25
- Phantom: SAM with CRP; Type: SAM; Serial: TP-1150 and higher
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Flat/Area Scan (81x131x1):**

Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.378 W/kg

**Flat/Zoom Scan (5x5x7)/Cube 0:**

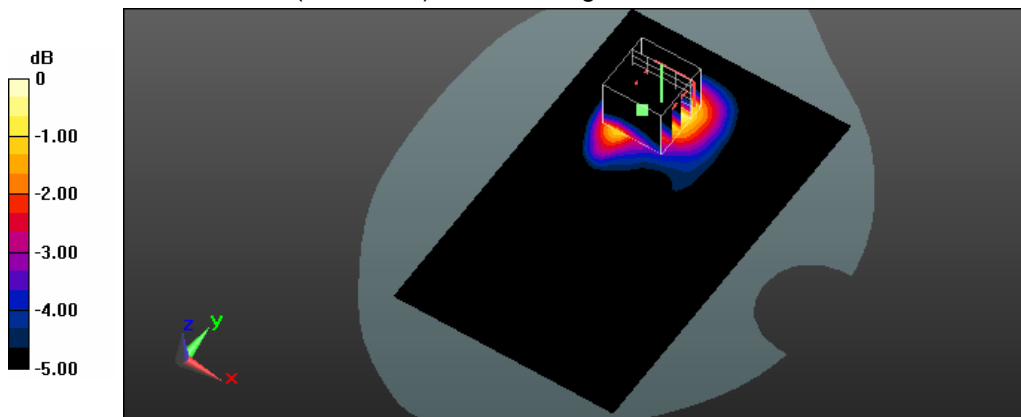
Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 10.359 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 0.429 W/kg

**SAR(1 g) = 0.282 W/kg; SAR(10 g) = 0.186 W/kg**

Maximum value of SAR (measured) = 0.353 W/kg



0 dB = 0.353 W/kg = -4.52 dBW/kg

Test Laboratory: A Test Lab Techno Corp.

Date: 2014/9/11 Time: PM 04:17:16

**52\_Flat\_GPRS 850 CH190\_3D2U\_side1 surface to phantom 10mm\_SIM2**

**DUT: 88 Tauri; Type: GSM/WCDMA/LTE Android Smartphone; Serial: 356537050191189**

Communication System: UID 0, GPRS 850 (3Down, 2Up) (0); Frequency: 836.6 MHz; Duty Cycle: 1:4

Medium parameters used:  $f = 837 \text{ MHz}$ ;  $\sigma = 0.992 \text{ S/m}$ ;  $\epsilon_r = 55.305$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977; ConvF(9.74, 9.74, 9.74); Calibrated: 2014/2/17;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2014/2/25
- Phantom: SAM with CRP; Type: SAM; Serial: TP-1150 and higher
- Measurement SW: DASYS52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Flat/Area Scan (81x131x1):**

Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.0844 W/kg

**Flat/Zoom Scan (5x5x7)/Cube 0:**

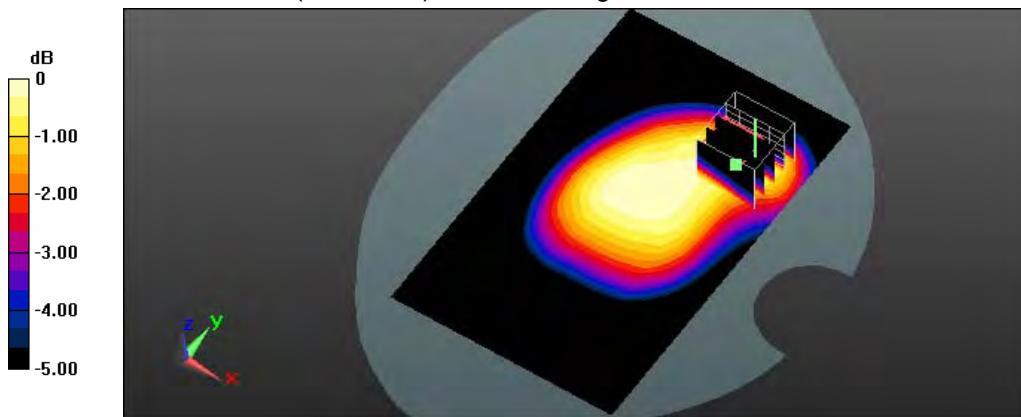
Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 9.254 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.100 W/kg

**SAR(1 g) = 0.068 W/kg; SAR(10 g) = 0.048 W/kg**

Maximum value of SAR (measured) = 0.0839 W/kg



0 dB = 0.0839 W/kg = -10.76 dBW/kg

Test Laboratory: A Test Lab Techno Corp.

Date: 2014/9/11 Time: PM 04:46:03

**53\_Flat\_GPRS 850 CH190\_3D2U\_side2 surface to phantom 10mm\_SIM2**

**DUT: 88 Tauri; Type: GSM/WCDMA/LTE Android Smartphone; Serial: 356537050191189**

Communication System: UID 0, GPRS 850 (3Down, 2Up) (0); Frequency: 836.6 MHz; Duty Cycle: 1:4

Medium parameters used:  $f = 837 \text{ MHz}$ ;  $\sigma = 0.992 \text{ S/m}$ ;  $\epsilon_r = 55.305$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASYS5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977; ConvF(9.74, 9.74, 9.74); Calibrated: 2014/2/17;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2014/2/25
- Phantom: SAM with CRP; Type: SAM; Serial: TP-1150 and higher
- Measurement SW: DASYS52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Flat/Area Scan (81x131x1):**

Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.439 W/kg

**Flat/Zoom Scan (5x5x7)/Cube 0:**

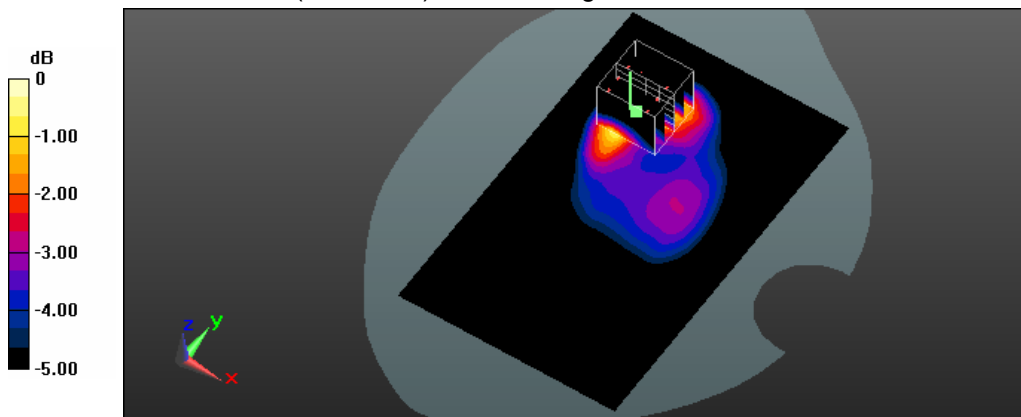
Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 13.572 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 0.484 W/kg

**SAR(1 g) = 0.306 W/kg; SAR(10 g) = 0.198 W/kg**

Maximum value of SAR (measured) = 0.401 W/kg



0 dB = 0.401 W/kg = -3.97 dBW/kg

Test Laboratory: A Test Lab Techno Corp.

Date: 2014/9/11 Time: PM 05:19:34

**54\_Flat\_GPRS 850 CH190\_3D2U\_side3 surface to phantom 10mm\_SIM2**

**DUT: 88 Tauri; Type: GSM/WCDMA/LTE Android Smartphone; Serial: 356537050191189**

Communication System: UID 0, GPRS 850 (3Down, 2Up) (0); Frequency: 836.6 MHz; Duty Cycle: 1:4

Medium parameters used:  $f = 837 \text{ MHz}$ ;  $\sigma = 0.992 \text{ S/m}$ ;  $\epsilon_r = 55.305$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977; ConvF(9.74, 9.74, 9.74); Calibrated: 2014/2/17;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2014/2/25
- Phantom: SAM with CRP; Type: SAM; Serial: TP-1150 and higher
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Flat/Area Scan (61x81x1):**

Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.0577 W/kg

**Flat/Zoom Scan (5x5x7)/Cube 0:**

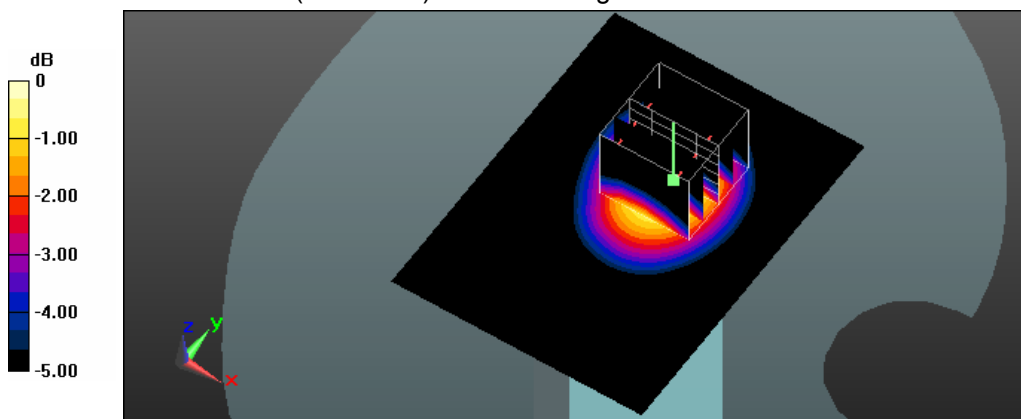
Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 6.677 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.0670 W/kg

**SAR(1 g) = 0.048 W/kg; SAR(10 g) = 0.032 W/kg**

Maximum value of SAR (measured) = 0.0578 W/kg



0 dB = 0.0578 W/kg = -12.38 dBW/kg

Test Laboratory: A Test Lab Techno Corp.

Date: 2014/9/11Time: PM 06:01:48

**56\_Flat\_GPRS 850 CH190\_3D2U\_side6 surface to phantom 10mm\_SIM2**

**DUT: 88 Tauri;Type: GSM/WCDMA/LTE Android Smartphone;Serial: 356537050191189**

Communication System: UID 0, GPRS 850 (3Down, 2Up) (0);Frequency: 836.6 MHz;Duty Cycle: 1:4

Medium parameters used:  $f = 837 \text{ MHz}$ ;  $\sigma = 0.992 \text{ S/m}$ ;  $\epsilon_r = 55.305$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977;ConvF(9.74, 9.74, 9.74); Calibrated: 2014/2/17;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779;Calibrated: 2014/2/25
- Phantom: SAM with CRP;Type: SAM;Serial: TP-1150 and higher
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

**Flat/Area Scan (61x131x1):**

Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

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

**Flat/Zoom Scan (5x5x7)/Cube 0:**

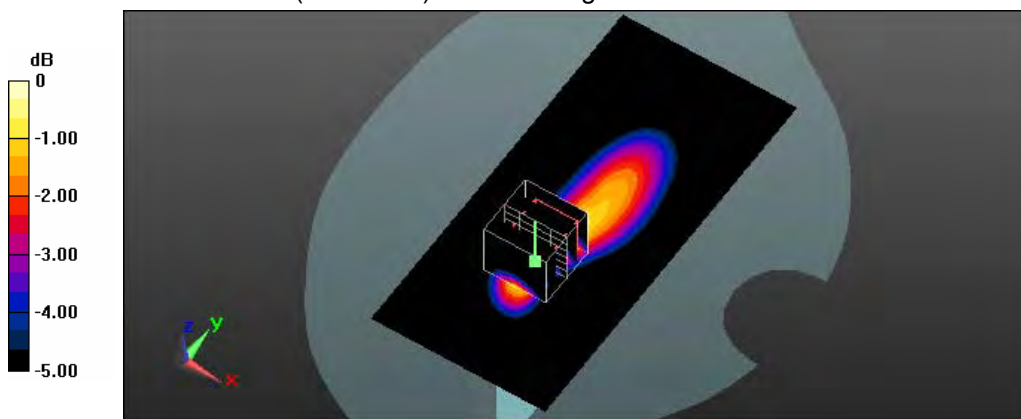
Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 12.425 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.237 W/kg

**SAR(1 g) = 0.152 W/kg; SAR(10 g) = 0.094 W/kg**

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



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



Test Laboratory: A Test Lab Techno Corp.

Date: 2014/9/11 Time: PM 06:33:47

**57\_Flat\_DTM 850 CH128\_2D3U\_headset\_side1 surface to phantom 10mm\_SIM2**

**DUT: 88 Tauri; Type: GSM/WCDMA/LTE Android Smartphone; Serial: 356537050191189**

Communication System: UID 0, DTM 850 (2Down, 3Up) (0); Frequency: 824.2 MHz; Duty Cycle: 1:2.8

Medium parameters used (interpolated):  $f = 824.2$  MHz;  $\sigma = 0.978$  S/m;  $\epsilon_r = 55.317$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977; ConvF(9.74, 9.74, 9.74); Calibrated: 2014/2/17;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2014/2/25
- Phantom: SAM with CRP; Type: SAM; Serial: TP-1150 and higher
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Flat/Area Scan (81x131x1):**

Interpolated grid:  $dx=1.500$  mm,  $dy=1.500$  mm

Maximum value of SAR (interpolated) = 0.0611 W/kg

**Flat/Zoom Scan (5x5x7)/Cube 0:**

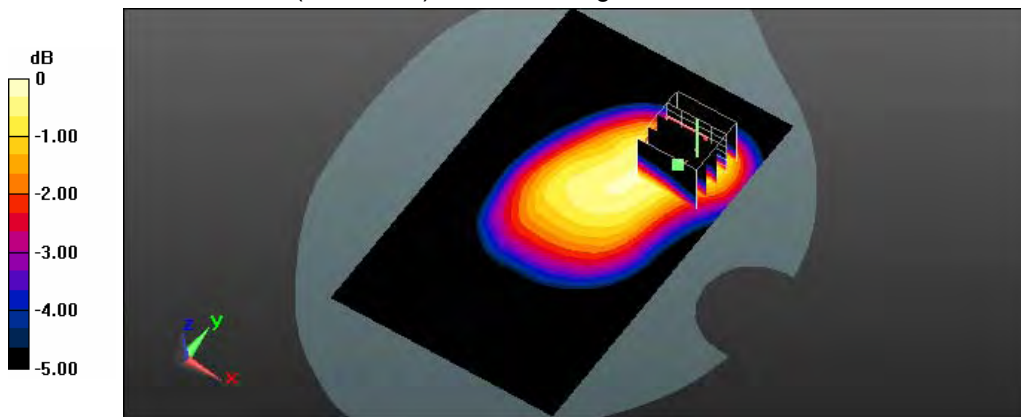
Measurement grid:  $dx=8$  mm,  $dy=8$  mm,  $dz=5$  mm

Reference Value = 7.242 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.0700 W/kg

**SAR(1 g) = 0.049 W/kg; SAR(10 g) = 0.035 W/kg**

Maximum value of SAR (measured) = 0.0597 W/kg



0 dB = 0.0597 W/kg = -12.24 dBW/kg



Test Laboratory: A Test Lab Techno Corp.

Date: 2014/9/11 Time: PM 06:56:42

**58\_Flat\_DTM 850 CH128\_2D3U\_headset\_side2 surface to phantom 10mm\_SIM2**

**DUT: 88 Tauri; Type: GSM/WCDMA/LTE Android Smartphone; Serial: 356537050191189**

Communication System: UID 0, DTM 850 (2Down, 3Up) (0); Frequency: 824.2 MHz; Duty Cycle: 1:2.8

Medium parameters used (interpolated):  $f = 824.2$  MHz;  $\sigma = 0.978$  S/m;  $\epsilon_r = 55.317$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977; ConvF(9.74, 9.74, 9.74); Calibrated: 2014/2/17;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2014/2/25
- Phantom: SAM with CRP; Type: SAM; Serial: TP-1150 and higher
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Flat/Area Scan (81x131x1):**

Interpolated grid:  $dx=1.500$  mm,  $dy=1.500$  mm

Maximum value of SAR (interpolated) = 0.285 W/kg

**Flat/Zoom Scan (5x5x7)/Cube 0:**

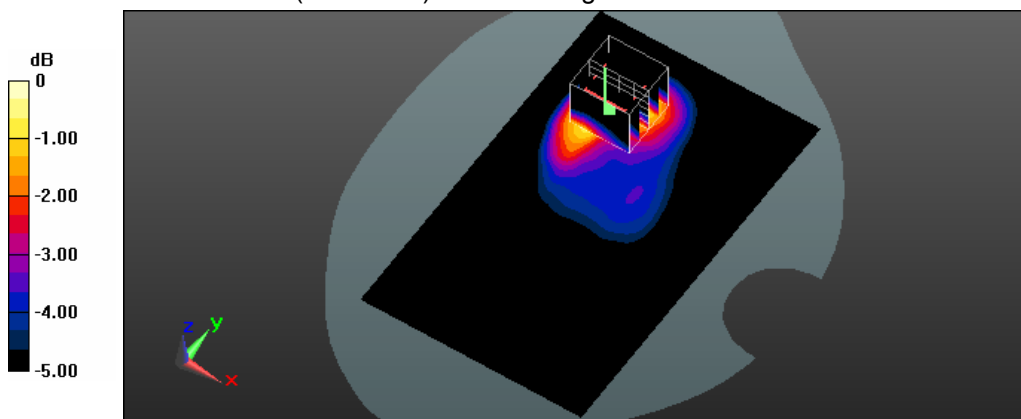
Measurement grid:  $dx=8$  mm,  $dy=8$  mm,  $dz=5$  mm

Reference Value = 10.671 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.325 W/kg

**SAR(1 g) = 0.209 W/kg; SAR(10 g) = 0.137 W/kg**

Maximum value of SAR (measured) = 0.268 W/kg



0 dB = 0.268 W/kg = -5.72 dBW/kg

Test Laboratory: A Test Lab Techno Corp.

Date: 2014/9/13 Time: PM 06:28:30

**107\_Flat\_PCS CH810\_headset\_side1 surface to phantom 10mm\_SIM2**

**DUT: 88 Tauri; Type: GSM/WCDMA/LTE Android Smartphone; Serial: 356537050191189**

Communication System: UID 0, PCS (0); Frequency: 1909.8 MHz; Duty Cycle: 1:8

Medium parameters used:  $f = 1910$  MHz;  $\sigma = 1.496$  S/m;  $\epsilon_r = 52.287$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977; ConvF(7.37, 7.37, 7.37); Calibrated: 2014/2/17;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2014/2/25
- Phantom: SAM with CRP; Type: SAM; Serial: TP-1150 and higher
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Flat/Area Scan (81x131x1):**

Interpolated grid:  $dx=1.500$  mm,  $dy=1.500$  mm

Maximum value of SAR (interpolated) = 0.125 W/kg

**Flat/Zoom Scan (5x5x7)/Cube 0:**

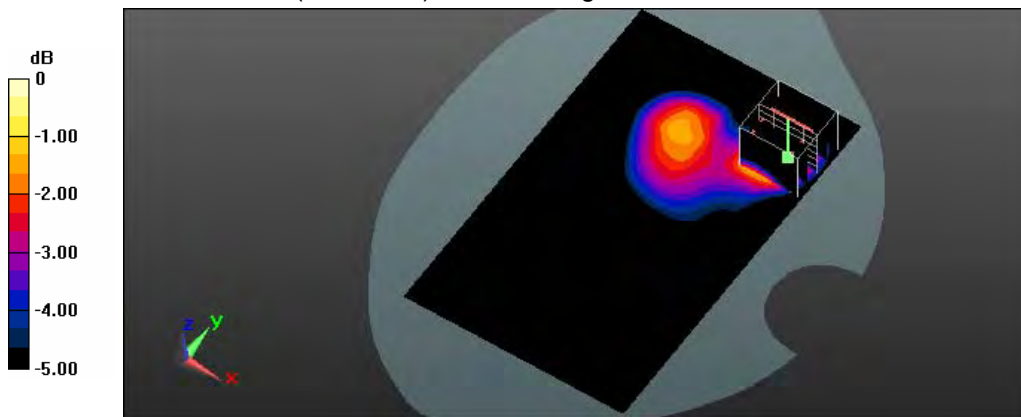
Measurement grid:  $dx=8$  mm,  $dy=8$  mm,  $dz=5$  mm

Reference Value = 5.084 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 0.163 W/kg

**SAR(1 g) = 0.100 W/kg; SAR(10 g) = 0.056 W/kg**

Maximum value of SAR (measured) = 0.133 W/kg



0 dB = 0.133 W/kg = -8.76 dBW/kg

Test Laboratory: A Test Lab Techno Corp.

Date: 2014/9/13 Time: PM 07:16:50

**108\_Flat\_PCS CH810\_headset\_side2 surface to phantom 10mm\_SIM2**

**DUT: 88 Tauri; Type: GSM/WCDMA/LTE Android Smartphone; Serial: 356537050191189**

Communication System: UID 0, PCS (0); Frequency: 1909.8 MHz; Duty Cycle: 1:8

Medium parameters used:  $f = 1910 \text{ MHz}$ ;  $\sigma = 1.496 \text{ S/m}$ ;  $\epsilon_r = 52.287$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977; ConvF(7.37, 7.37, 7.37); Calibrated: 2014/2/17;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2014/2/25
- Phantom: SAM with CRP; Type: SAM; Serial: TP-1150 and higher
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Flat/Area Scan (81x131x1):**

Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.313 W/kg

**Flat/Zoom Scan (5x5x7)/Cube 0:**

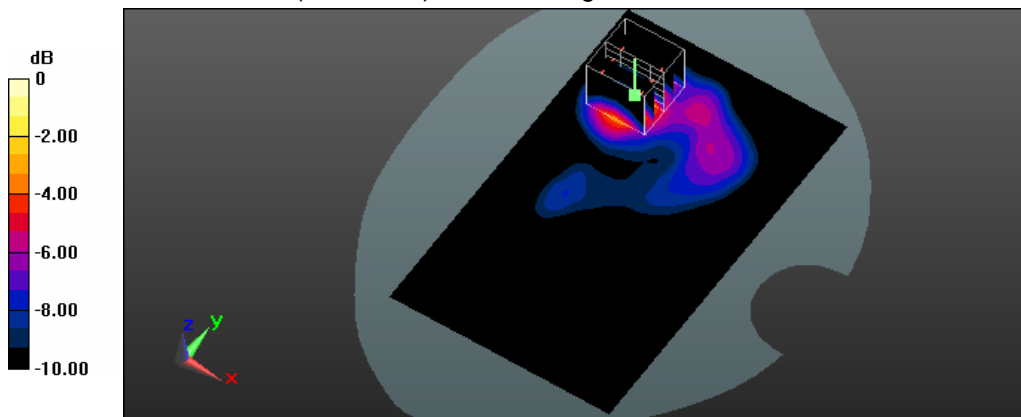
Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 5.020 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 0.404 W/kg

**SAR(1 g) = 0.222 W/kg; SAR(10 g) = 0.113 W/kg**

Maximum value of SAR (measured) = 0.320 W/kg



0 dB = 0.320 W/kg = -4.95 dBW/kg

Test Laboratory: A Test Lab Techno Corp.

Date: 2014/9/13 Time: PM 08:29:29

**109\_Flat\_GPRS PCS CH810\_2D3U\_side1 surface to phantom 10mm\_SIM2**

**DUT: 88 Tauri; Type: GSM/WCDMA/LTE Android Smartphone; Serial: 356537050191189**

Communication System: UID 0, GPRS PCS (2Down,3Up) (0); Frequency: 1909.8 MHz; Duty Cycle: 1:2.67

Medium parameters used:  $f = 1910$  MHz;  $\sigma = 1.496$  S/m;  $\epsilon_r = 52.287$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977; ConvF(7.37, 7.37, 7.37); Calibrated: 2014/2/17;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2014/2/25
- Phantom: SAM with CRP; Type: SAM; Serial: TP-1150 and higher
- Measurement SW: DASYS2, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Flat/Area Scan (81x131x1):**

Interpolated grid:  $dx=1.500$  mm,  $dy=1.500$  mm

Maximum value of SAR (interpolated) = 0.111 W/kg

**Flat/Zoom Scan (5x5x7)/Cube 0:**

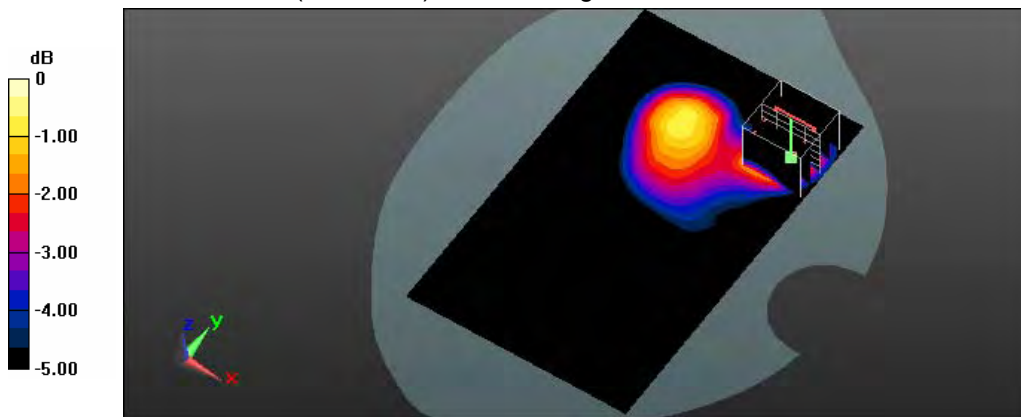
Measurement grid:  $dx=8$  mm,  $dy=8$  mm,  $dz=5$  mm

Reference Value = 4.903 V/m; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 0.146 W/kg

**SAR(1 g) = 0.089 W/kg; SAR(10 g) = 0.050 W/kg**

Maximum value of SAR (measured) = 0.119 W/kg



0 dB = 0.119 W/kg = -9.24 dBW/kg

Test Laboratory: A Test Lab Techno Corp.

Date: 2014/9/13 Time: PM 08:06:04

**110\_Flat\_GPRS PCS CH810\_2D3U\_side2 surface to phantom 10mm\_SIM2**

**DUT: 88 Tauri; Type: GSM/WCDMA/LTE Android Smartphone; Serial: 356537050191189**

Communication System: UID 0, GPRS PCS (2Down,3Up) (0); Frequency: 1909.8 MHz; Duty Cycle: 1:2.67

Medium parameters used:  $f = 1910 \text{ MHz}$ ;  $\sigma = 1.496 \text{ S/m}$ ;  $\epsilon_r = 52.287$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977; ConvF(7.37, 7.37, 7.37); Calibrated: 2014/2/17;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2014/2/25
- Phantom: SAM with CRP; Type: SAM; Serial: TP-1150 and higher
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Flat/Area Scan (81x131x1):**

Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

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

**Flat/Zoom Scan (5x5x7)/Cube 0:**

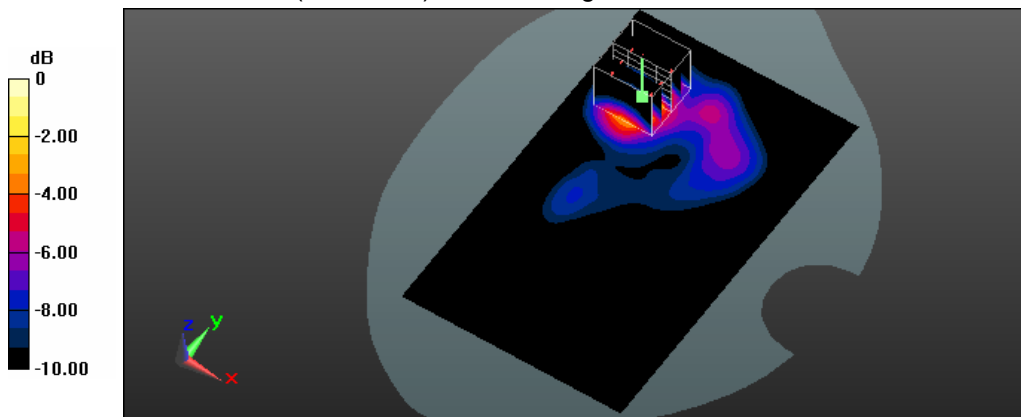
Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 5.044 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.406 W/kg

**SAR(1 g) = 0.227 W/kg; SAR(10 g) = 0.116 W/kg**

Maximum value of SAR (measured) = 0.322 W/kg



0 dB = 0.322 W/kg = -4.92 dBW/kg

Test Laboratory: A Test Lab Techno Corp.

Date: 2014/9/13 Time: PM 08:53:11

**111\_Flat\_GPRS PCS CH810\_2D3U\_side3 surface to phantom 10mm\_SIM2**

**DUT: 88 Tauri; Type: GSM/WCDMA/LTE Android Smartphone; Serial: 356537050191189**

Communication System: UID 0, GPRS PCS (2Down,3Up) (0); Frequency: 1909.8 MHz; Duty Cycle: 1:2.67

Medium parameters used:  $f = 1910 \text{ MHz}$ ;  $\sigma = 1.496 \text{ S/m}$ ;  $\epsilon_r = 52.287$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977; ConvF(7.37, 7.37, 7.37); Calibrated: 2014/2/17;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2014/2/25
- Phantom: SAM with CRP; Type: SAM; Serial: TP-1150 and higher
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Flat/Area Scan (61x81x1):**

Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.0936 W/kg

**Flat/Zoom Scan (5x5x7)/Cube 0:**

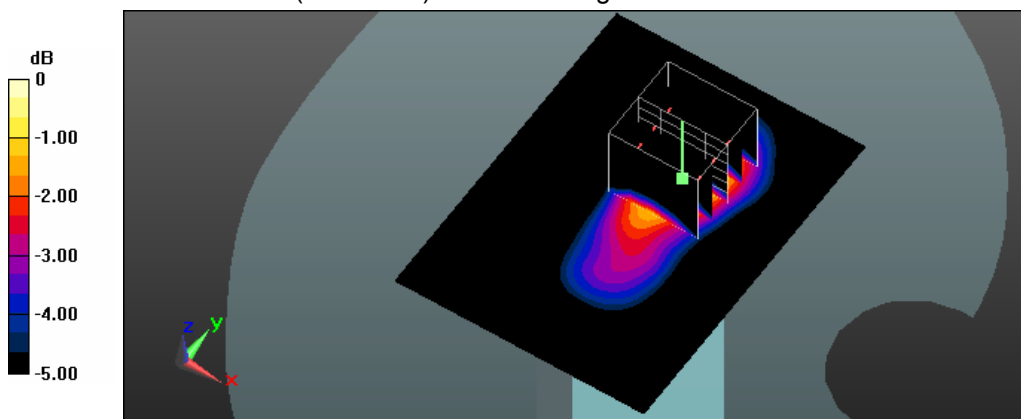
Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 6.563 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.116 W/kg

**SAR(1 g) = 0.070 W/kg; SAR(10 g) = 0.040 W/kg**

Maximum value of SAR (measured) = 0.0941 W/kg



0 dB = 0.0941 W/kg = -10.26 dBW/kg

Test Laboratory: A Test Lab Techno Corp.

Date: 2014/9/13 Time: PM 09:31:30

**113\_Flat\_GPRS PCS CH810\_2D3U\_side6 surface to phantom 10mm\_SIM2**

**DUT: 88 Tauri; Type: GSM/WCDMA/LTE Android Smartphone; Serial: 356537050191189**

Communication System: UID 0, GPRS PCS (2Down,3Up) (0); Frequency: 1909.8 MHz; Duty Cycle: 1:2.67

Medium parameters used:  $f = 1910 \text{ MHz}$ ;  $\sigma = 1.496 \text{ S/m}$ ;  $\epsilon_r = 52.287$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977; ConvF(7.37, 7.37, 7.37); Calibrated: 2014/2/17;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2014/2/25
- Phantom: SAM with CRP; Type: SAM; Serial: TP-1150 and higher
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Flat/Area Scan (61x131x1):**

Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.296 W/kg

**Flat/Zoom Scan (5x5x7)/Cube 0:**

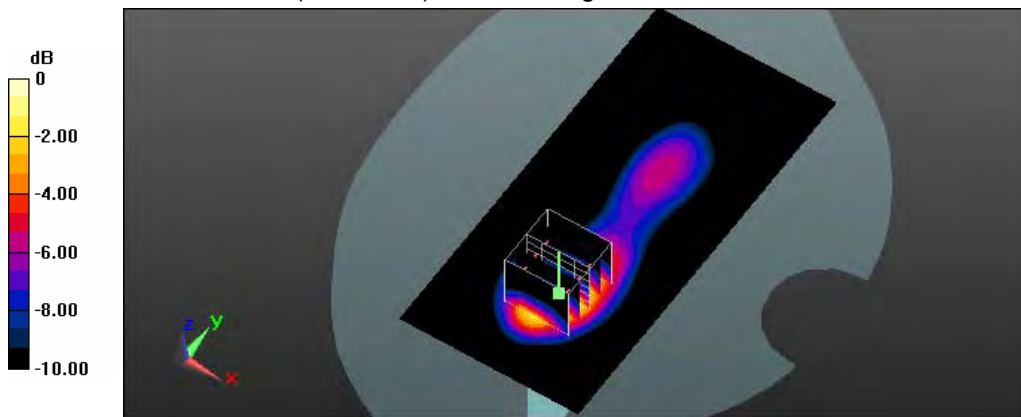
Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 5.889 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 0.349 W/kg

**SAR(1 g) = 0.201 W/kg; SAR(10 g) = 0.110 W/kg**

Maximum value of SAR (measured) = 0.273 W/kg



0 dB = 0.273 W/kg = -5.64 dBW/kg

Test Laboratory: A Test Lab Techno Corp.

Date: 2014/9/13 Time: PM 06:50:32

**114\_Flat\_DTM PCS CH810\_2D3U\_headset\_side1 surface to phantom 10mm\_SIM2**

**DUT: 88 Tauri; Type: GSM/WCDMA/LTE Android Smartphone; Serial: 356537050191189**

Communication System: UID 0, DTM PCS (2Down,3Up) (0); Frequency: 1909.8 MHz; Duty Cycle: 1:2.8

Medium parameters used:  $f = 1910$  MHz;  $\sigma = 1.496$  S/m;  $\epsilon_r = 52.287$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977; ConvF(7.37, 7.37, 7.37); Calibrated: 2014/2/17;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2014/2/25
- Phantom: SAM with CRP; Type: SAM; Serial: TP-1150 and higher
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Flat/Area Scan (81x131x1):**

Interpolated grid:  $dx=1.500$  mm,  $dy=1.500$  mm

Maximum value of SAR (interpolated) = 0.0983 W/kg

**Flat/Zoom Scan (5x5x7)/Cube 0:**

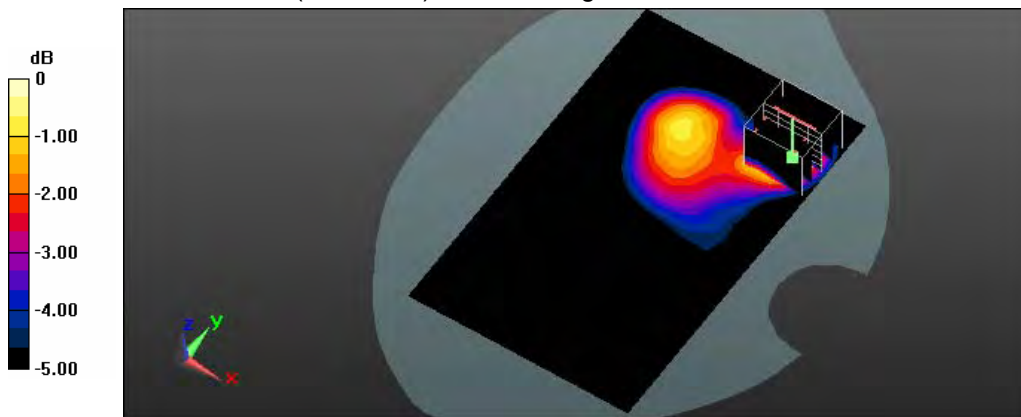
Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 4.846 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 0.125 W/kg

**SAR(1 g) = 0.077 W/kg; SAR(10 g) = 0.044 W/kg**

Maximum value of SAR (measured) = 0.101 W/kg



0 dB = 0.101 W/kg = -9.96 dBW/kg



Test Laboratory: A Test Lab Techno Corp.

Date: 2014/9/13 Time: PM 07:43:01

**115\_Flat\_DTM PCS CH810\_2D3U\_headset\_side2 surface to phantom 10mm\_SIM2**

**DUT: 88 Tauri; Type: GSM/WCDMA/LTE Android Smartphone; Serial: 356537050191189**

Communication System: UID 0, DTM PCS (2Down,3Up) (0); Frequency: 1909.8 MHz; Duty Cycle: 1:2.8

Medium parameters used:  $f = 1910 \text{ MHz}$ ;  $\sigma = 1.496 \text{ S/m}$ ;  $\epsilon_r = 52.287$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977; ConvF(7.37, 7.37, 7.37); Calibrated: 2014/2/17;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2014/2/25
- Phantom: SAM with CRP; Type: SAM; Serial: TP-1150 and higher
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Flat/Area Scan (81x131x1):**

Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.228 W/kg

**Flat/Zoom Scan (5x5x7)/Cube 0:**

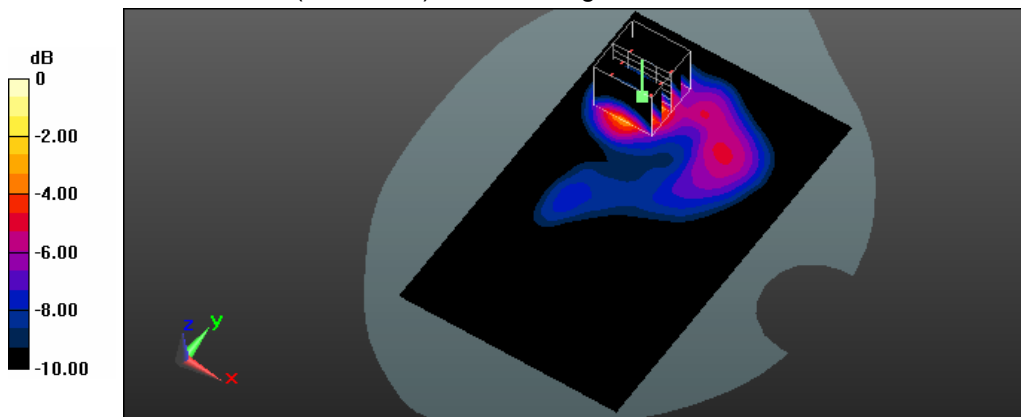
Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 4.642 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.290 W/kg

**SAR(1 g) = 0.163 W/kg; SAR(10 g) = 0.084 W/kg**

Maximum value of SAR (measured) = 0.230 W/kg



0 dB = 0.230 W/kg = -6.38 dBW/kg

Test Laboratory: A Test Lab Techno Corp.

Date: 2014/9/14 Time: AM 01:30:58

**125\_Flat\_WCDMA BandII CH9262\_side1 surface to phantom 10mm**

**DUT: 88 Tauri; Type: GSM/WCDMA/LTE Android Smartphone; Serial: 356537050191189**

Communication System: UID 0, WCDMA Band II (0); Frequency: 1852.4 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 1852.4 \text{ MHz}$ ;  $\sigma = 1.458 \text{ S/m}$ ;  $\epsilon_r = 52.394$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977; ConvF(7.37, 7.37, 7.37); Calibrated: 2014/2/17;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2014/2/25
- Phantom: SAM with CRP; Type: SAM; Serial: TP-1150 and higher
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Flat/Area Scan (81x131x1):**

Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

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

**Flat/Zoom Scan (5x5x7)/Cube 0:**

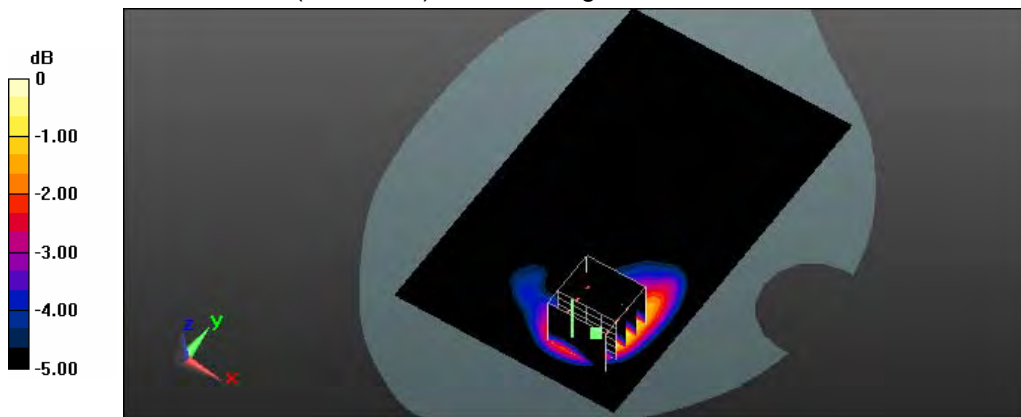
Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 7.948 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 0.824 W/kg

**SAR(1 g) = 0.490 W/kg; SAR(10 g) = 0.287 W/kg**

Maximum value of SAR (measured) = 0.657 W/kg



0 dB = 0.657 W/kg = -1.82 dBW/kg

Test Laboratory: A Test Lab Techno Corp.

Date: 2014/9/14 Time: AM 09:53:02

**130\_Flat\_WCDMA BandII CH9262\_headset\_side1 surface to phantom 10mm**

**DUT: 88 Tauri; Type: GSM/WCDMA/LTE Android Smartphone; Serial: 356537050191189**

Communication System: UID 0, WCDMA Band II (0); Frequency: 1852.4 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 1852.4 \text{ MHz}$ ;  $\sigma = 1.458 \text{ S/m}$ ;  $\epsilon_r = 52.394$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977; ConvF(7.37, 7.37, 7.37); Calibrated: 2014/2/17;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2014/2/25
- Phantom: SAM with CRP; Type: SAM; Serial: TP-1150 and higher
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Flat/Area Scan (81x131x1):**

Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.644 W/kg

**Flat/Zoom Scan (5x5x7)/Cube 0:**

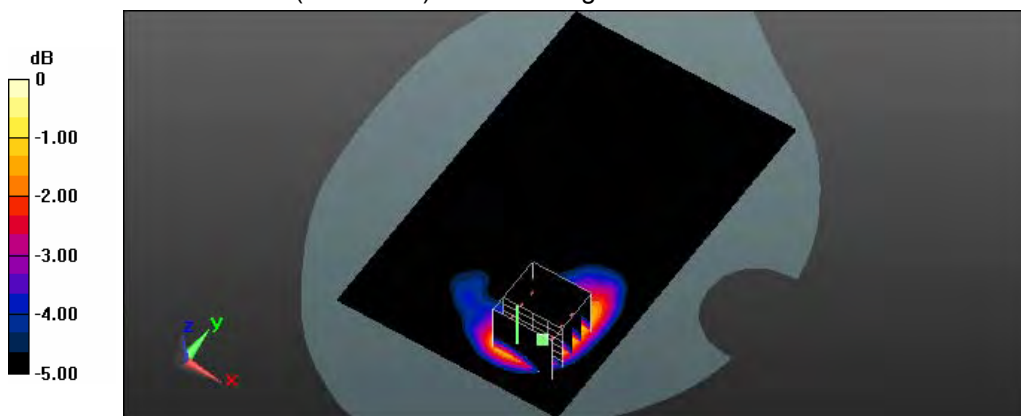
Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 7.308 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.783 W/kg

**SAR(1 g) = 0.469 W/kg; SAR(10 g) = 0.278 W/kg**

Maximum value of SAR (measured) = 0.631 W/kg



0 dB = 0.631 W/kg = -2.00 dBW/kg

Test Laboratory: A Test Lab Techno Corp.

Date: 2014/9/14 Time: AM 02:12:46

**126\_Flat\_WCDMA BandII CH9262\_side2 surface to phantom 10mm**

**DUT: 88 Tauri; Type: GSM/WCDMA/LTE Android Smartphone; Serial: 356537050191189**

Communication System: UID 0, WCDMA Band II (0); Frequency: 1852.4 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 1852.4 \text{ MHz}$ ;  $\sigma = 1.458 \text{ S/m}$ ;  $\epsilon_r = 52.394$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977; ConvF(7.37, 7.37, 7.37); Calibrated: 2014/2/17;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2014/2/25
- Phantom: SAM with CRP; Type: SAM; Serial: TP-1150 and higher
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Flat/Area Scan (81x131x1):**

Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.580 W/kg

**Flat/Zoom Scan (5x5x7)/Cube 0:**

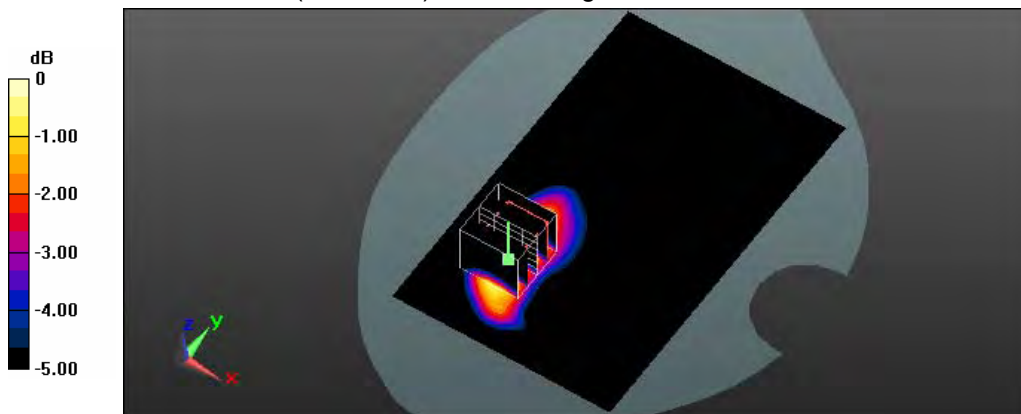
Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 8.521 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.702 W/kg

**SAR(1 g) = 0.437 W/kg; SAR(10 g) = 0.263 W/kg**

Maximum value of SAR (measured) = 0.575 W/kg



0 dB = 0.575 W/kg = -2.40 dBW/kg

Test Laboratory: A Test Lab Techno Corp.

Date: 2014/9/14 Time: AM 02:48:46

**127\_Flat\_WCDMA BandII CH9262\_side4 surface to phantom 10mm**

**DUT: 88 Tauri; Type: GSM/WCDMA/LTE Android Smartphone; Serial: 356537050191189**

Communication System: UID 0, WCDMA Band II (0); Frequency: 1852.4 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 1852.4$  MHz;  $\sigma = 1.458$  S/m;  $\epsilon_r = 52.394$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977; ConvF(7.37, 7.37, 7.37); Calibrated: 2014/2/17;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2014/2/25
- Phantom: SAM with CRP; Type: SAM; Serial: TP-1150 and higher
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Flat/Area Scan (61x81x1):**

Interpolated grid:  $dx=1.500$  mm,  $dy=1.500$  mm

Maximum value of SAR (interpolated) = 0.360 W/kg

**Flat/Zoom Scan (5x5x7)/Cube 0:**

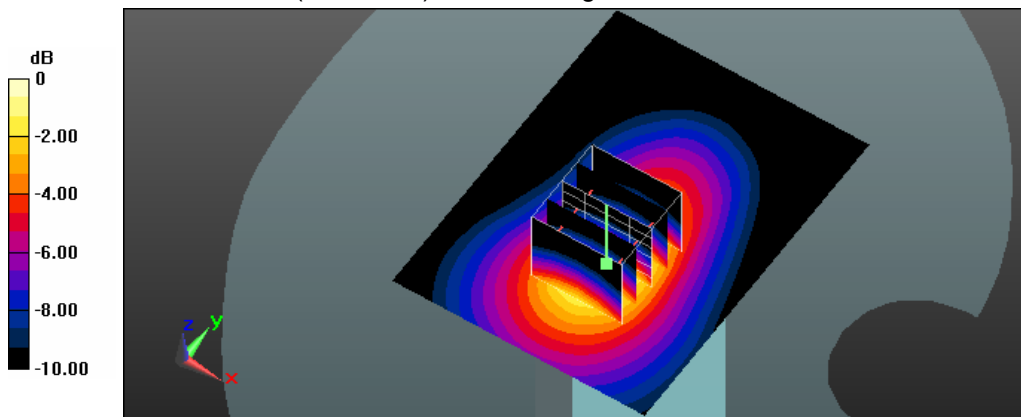
Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 11.917 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.440 W/kg

**SAR(1 g) = 0.271 W/kg; SAR(10 g) = 0.158 W/kg**

Maximum value of SAR (measured) = 0.364 W/kg



0 dB = 0.364 W/kg = -4.39 dBW/kg

Test Laboratory: A Test Lab Techno Corp.

Date: 2014/9/14 Time: AM 03:10:03

**128\_Flat\_WCDMA BandII CH9262\_side5 surface to phantom 10mm**

**DUT: 88 Tauri; Type: GSM/WCDMA/LTE Android Smartphone; Serial: 356537050191189**

Communication System: UID 0, WCDMA Band II (0); Frequency: 1852.4 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 1852.4 \text{ MHz}$ ;  $\sigma = 1.458 \text{ S/m}$ ;  $\epsilon_r = 52.394$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977; ConvF(7.37, 7.37, 7.37); Calibrated: 2014/2/17;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2014/2/25
- Phantom: SAM with CRP; Type: SAM; Serial: TP-1150 and higher
- Measurement SW: DASYS2, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Flat/Area Scan (61x131x1):**

Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.0947 W/kg

**Flat/Zoom Scan (5x5x7)/Cube 0:**

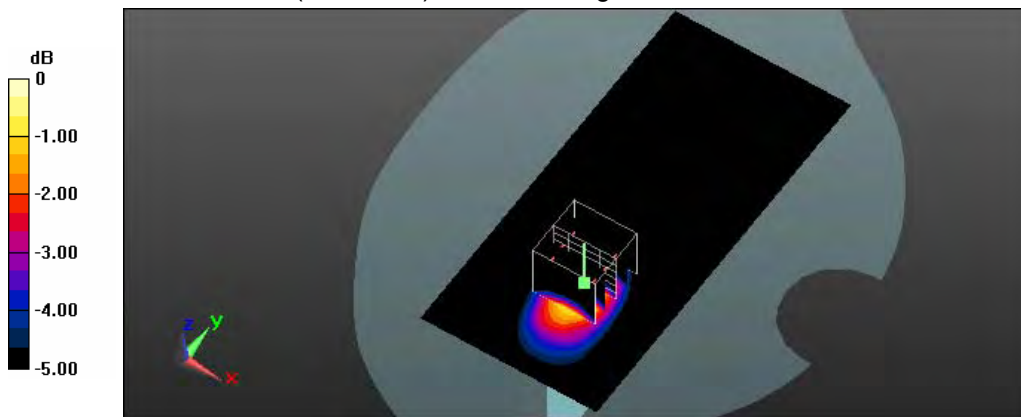
Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 3.510 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.115 W/kg

**SAR(1 g) = 0.072 W/kg; SAR(10 g) = 0.043 W/kg**

Maximum value of SAR (measured) = 0.0950 W/kg



0 dB = 0.0950 W/kg = -10.22 dBW/kg

Test Laboratory: A Test Lab Techno Corp.

Date: 2014/9/14 Time: AM 09:22:31

**129\_Flat\_WCDMA BandII CH9262\_side6 surface to phantom 10mm**

**DUT: 88 Tauri; Type: GSM/WCDMA/LTE Android Smartphone; Serial: 356537050191189**

Communication System: UID 0, WCDMA Band II (0); Frequency: 1852.4 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 1852.4 \text{ MHz}$ ;  $\sigma = 1.458 \text{ S/m}$ ;  $\epsilon_r = 52.394$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977; ConvF(7.37, 7.37, 7.37); Calibrated: 2014/2/17;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2014/2/25
- Phantom: SAM with CRP; Type: SAM; Serial: TP-1150 and higher
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Flat/Area Scan (61x131x1):**

Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.493 W/kg

**Flat/Zoom Scan (5x5x7)/Cube 0:**

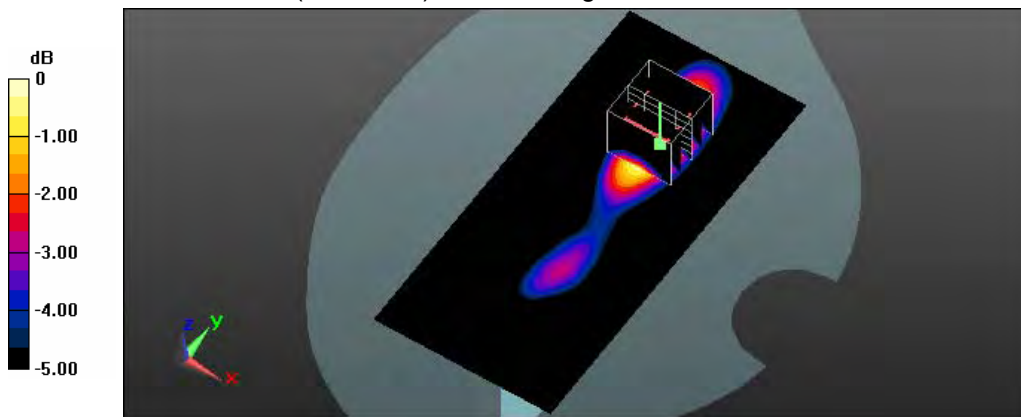
Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 10.440 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.551 W/kg

**SAR(1 g) = 0.344 W/kg; SAR(10 g) = 0.203 W/kg**

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



0 dB = 0.455 W/kg = -3.42 dBW/kg



Test Laboratory: A Test Lab Techno Corp.

Date: 2014/9/10 Time: PM 05:36:58

**34\_Flat\_WCDMA BandV CH4183\_side1 surface to phantom 10mm**

**DUT: 88 Tauri; Type: GSM/WCDMA/LTE Android Smartphone; Serial: 356537050191189**

Communication System: UID 0, WCDMA Band V (0); Frequency: 836.6 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 837 \text{ MHz}$ ;  $\sigma = 0.992 \text{ S/m}$ ;  $\epsilon_r = 55.305$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977; ConvF(9.74, 9.74, 9.74); Calibrated: 2014/2/17;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2014/2/25
- Phantom: SAM with CRP; Type: SAM; Serial: TP-1150 and higher
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Flat/Area Scan (81x131x1):**

Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.342 W/kg

**Flat/Zoom Scan (5x5x7)/Cube 0:**

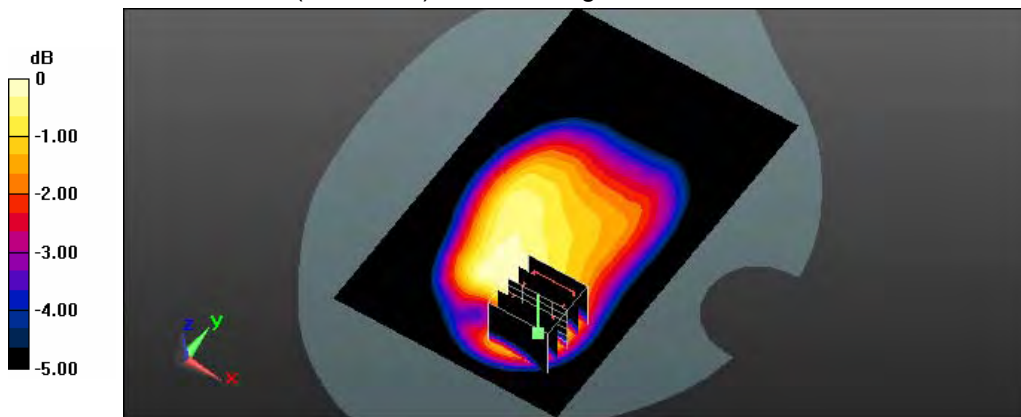
Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 16.578 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.405 W/kg

**SAR(1 g) = 0.261 W/kg; SAR(10 g) = 0.171 W/kg**

Maximum value of SAR (measured) = 0.335 W/kg



0 dB = 0.335 W/kg = -4.75 dBW/kg



Test Laboratory: A Test Lab Techno Corp.

Date: 2014/9/10 Time: PM 11:55:36

**39\_Flat\_WCDMA BandV CH4183\_headset\_side2 surface to phantom 10mm**

**DUT: 88 Tauri; Type: GSM/WCDMA/LTE Android Smartphone; Serial: 356537050191189**

Communication System: UID 0, WCDMA Band V (0); Frequency: 836.6 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 837 \text{ MHz}$ ;  $\sigma = 0.992 \text{ S/m}$ ;  $\epsilon_r = 55.305$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977; ConvF(9.74, 9.74, 9.74); Calibrated: 2014/2/17;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2014/2/25
- Phantom: SAM with CRP; Type: SAM; Serial: TP-1150 and higher
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Flat/Area Scan (81x131x1):**

Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.452 W/kg

**Flat/Zoom Scan (5x5x7)/Cube 0:**

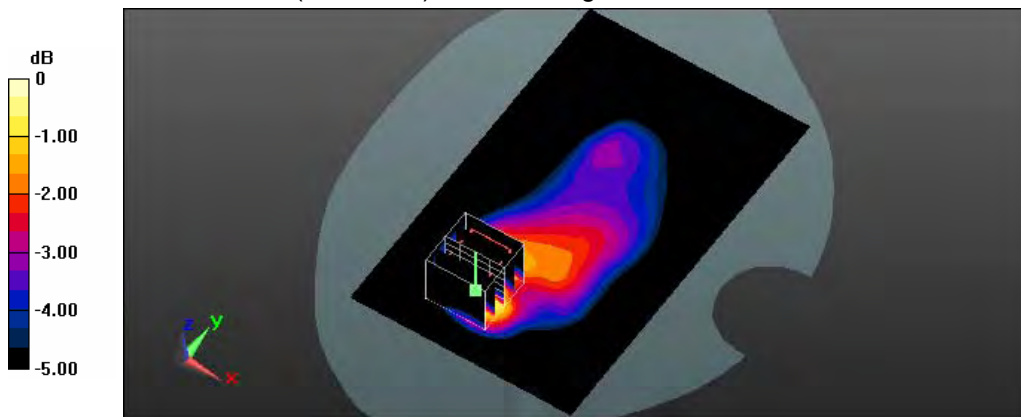
Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 14.538 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.511 W/kg

**SAR(1 g) = 0.337 W/kg; SAR(10 g) = 0.217 W/kg**

Maximum value of SAR (measured) = 0.425 W/kg



0 dB = 0.425 W/kg = -3.72 dBW/kg

Test Laboratory: A Test Lab Techno Corp.

Date: 2014/9/10 Time: PM 10:20:01

**35\_Flat\_WCDMA BandV CH4183\_side2 surface to phantom 10mm**

**DUT: 88 Tauri; Type: GSM/WCDMA/LTE Android Smartphone; Serial: 356537050191189**

Communication System: UID 0, WCDMA Band V (0); Frequency: 836.6 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 837 \text{ MHz}$ ;  $\sigma = 0.992 \text{ S/m}$ ;  $\epsilon_r = 55.305$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977; ConvF(9.74, 9.74, 9.74); Calibrated: 2014/2/17;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2014/2/25
- Phantom: SAM with CRP; Type: SAM; Serial: TP-1150 and higher
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Flat/Area Scan (81x131x1):**

Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.434 W/kg

**Flat/Zoom Scan (5x5x7)/Cube 0:**

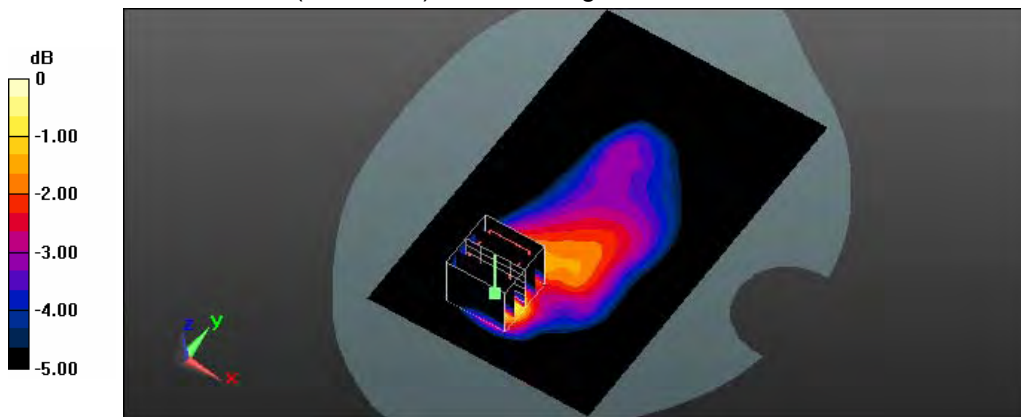
Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 15.027 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.497 W/kg

**SAR(1 g) = 0.325 W/kg; SAR(10 g) = 0.208 W/kg**

Maximum value of SAR (measured) = 0.413 W/kg



0 dB = 0.413 W/kg = -3.84 dBW/kg

Test Laboratory: A Test Lab Techno Corp.

Date: 2014/9/10 Time: PM 10:45:44

**36\_Flat\_WCDMA BandV CH4183\_side4 surface to phantom 10mm**

**DUT: 88 Tauri; Type: GSM/WCDMA/LTE Android Smartphone; Serial: 356537050191189**

Communication System: UID 0, WCDMA Band V (0); Frequency: 836.6 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 837 \text{ MHz}$ ;  $\sigma = 0.992 \text{ S/m}$ ;  $\epsilon_r = 55.305$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977; ConvF(9.74, 9.74, 9.74); Calibrated: 2014/2/17;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2014/2/25
- Phantom: SAM with CRP; Type: SAM; Serial: TP-1150 and higher
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Flat/Area Scan (61x81x1):**

Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.0780 W/kg

**Flat/Zoom Scan (5x5x7)/Cube 0:**

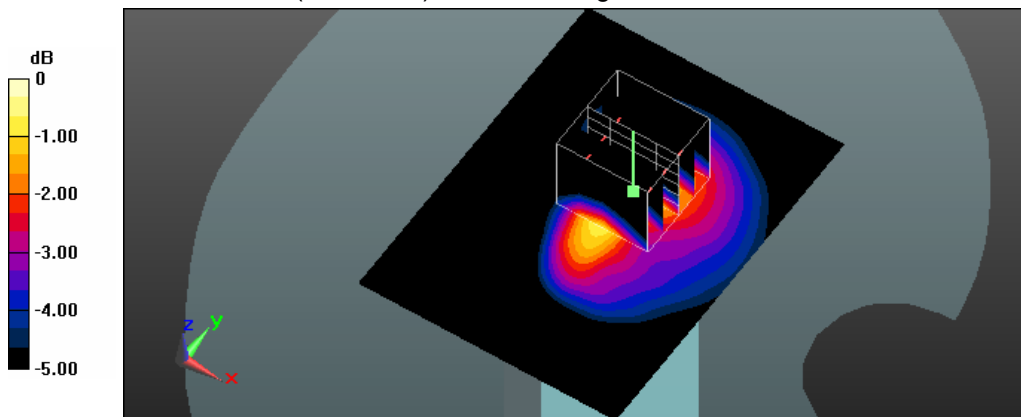
Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 8.717 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.0970 W/kg

**SAR(1 g) = 0.065 W/kg; SAR(10 g) = 0.042 W/kg**

Maximum value of SAR (measured) = 0.0832 W/kg



0 dB = 0.0832 W/kg = -10.80 dBW/kg

Test Laboratory: A Test Lab Techno Corp.

Date: 2014/9/10 Time: PM 11:03:31

**37\_Flat\_WCDMA BandV CH4183\_side5 surface to phantom 10mm**

**DUT: 88 Tauri; Type: GSM/WCDMA/LTE Android Smartphone; Serial: 356537050191189**

Communication System: UID 0, WCDMA Band V (0); Frequency: 836.6 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 837 \text{ MHz}$ ;  $\sigma = 0.992 \text{ S/m}$ ;  $\epsilon_r = 55.305$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977; ConvF(9.74, 9.74, 9.74); Calibrated: 2014/2/17;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2014/2/25
- Phantom: SAM with CRP; Type: SAM; Serial: TP-1150 and higher
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Flat/Area Scan (61x131x1):**

Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.294 W/kg

**Flat/Zoom Scan (5x5x7)/Cube 0:**

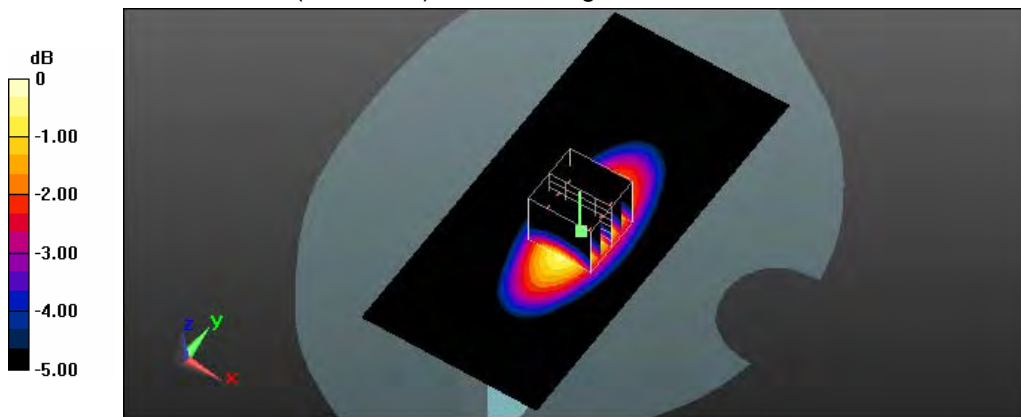
Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 16.066 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 0.350 W/kg

**SAR(1 g) = 0.242 W/kg; SAR(10 g) = 0.164 W/kg**

Maximum value of SAR (measured) = 0.302 W/kg



0 dB = 0.302 W/kg = -5.20 dBW/kg

Test Laboratory: A Test Lab Techno Corp.

Date: 2014/9/10 Time: PM 11:25:07

**38\_Flat\_WCDMA BandV CH4183\_side6 surface to phantom 10mm**

**DUT: 88 Tauri; Type: GSM/WCDMA/LTE Android Smartphone; Serial: 356537050191189**

Communication System: UID 0, WCDMA Band V (0); Frequency: 836.6 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 837 \text{ MHz}$ ;  $\sigma = 0.992 \text{ S/m}$ ;  $\epsilon_r = 55.305$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977; ConvF(9.74, 9.74, 9.74); Calibrated: 2014/2/17;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2014/2/25
- Phantom: SAM with CRP; Type: SAM; Serial: TP-1150 and higher
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Flat/Area Scan (61x131x1):**

Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.147 W/kg

**Flat/Zoom Scan (5x5x7)/Cube 0:**

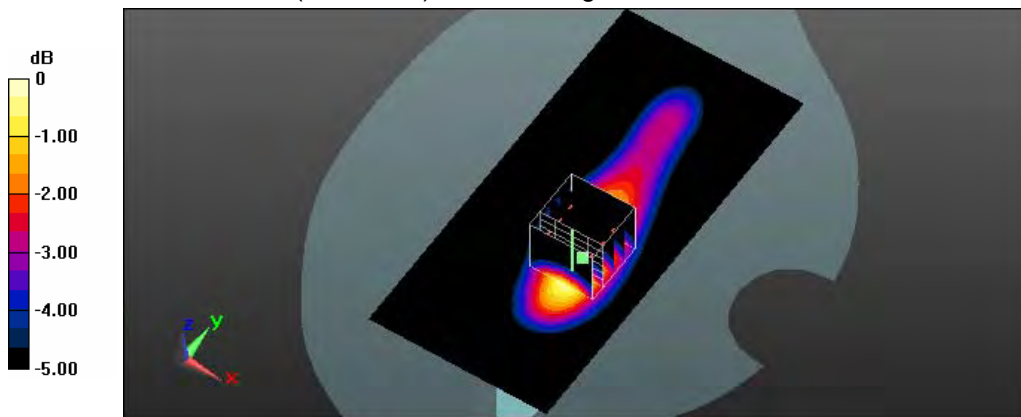
Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 10.596 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.173 W/kg

**SAR(1 g) = 0.121 W/kg; SAR(10 g) = 0.082 W/kg**

Maximum value of SAR (measured) = 0.149 W/kg



0 dB = 0.149 W/kg = -8.27 dBW/kg

Test Laboratory: A Test Lab Techno Corp.

Date: 2014/9/14 Time: AM 10:31:14

**131\_Flat\_LTE Band2 BW 20M CH18900 QPSK with 1RB Size 0RB Offset\_side1 surface to phantom 10mm**

**DUT: 88 Tauri; Type: GSM/WCDMA/LTE Android Smartphone; Serial: 356537050191189**

Communication System: UID 0, Generic LTE (0); Frequency: 1880 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 1880 \text{ MHz}$ ;  $\sigma = 1.458 \text{ S/m}$ ;  $\epsilon_r = 52.636$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977; ConvF(7.37, 7.37, 7.37); Calibrated: 2014/2/17;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2014/2/25
- Phantom: SAM with CRP; Type: SAM; Serial: TP-1150 and higher
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Flat/Area Scan (81x131x1):**

Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.899 W/kg

**Flat/Zoom Scan (5x5x7)/Cube 0:**

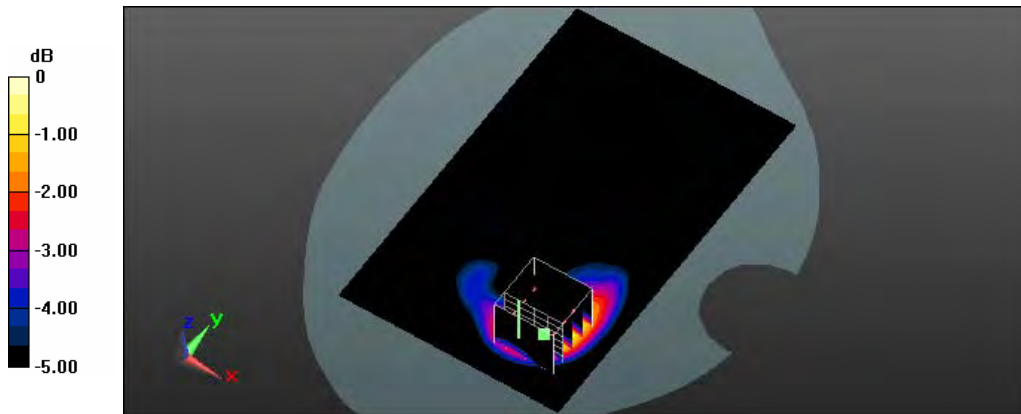
Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 9.630 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 1.10 W/kg

**SAR(1 g) = 0.657 W/kg; SAR(10 g) = 0.381 W/kg**

Maximum value of SAR (measured) = 0.860 W/kg



0 dB = 0.860 W/kg = -0.66 dBW/kg

Test Laboratory: A Test Lab Techno Corp.

Date: 2014/9/14 Time: AM 11:08:42

**132\_Flat\_LTE Band2 BW 20M CH18900 QPSK with 1RB Size 0RB Offset\_side2 surface to phantom 10mm**

**DUT: 88 Tauri; Type: GSM/WCDMA/LTE Android Smartphone; Serial: 356537050191189**

Communication System: UID 0, Generic LTE (0); Frequency: 1880 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 1880 \text{ MHz}$ ;  $\sigma = 1.458 \text{ S/m}$ ;  $\epsilon_r = 52.636$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977; ConvF(7.37, 7.37, 7.37); Calibrated: 2014/2/17;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2014/2/25
- Phantom: SAM with CRP; Type: SAM; Serial: TP-1150 and higher
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Flat/Area Scan (81x131x1):**

Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

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

**Flat/Zoom Scan (5x5x7)/Cube 0:**

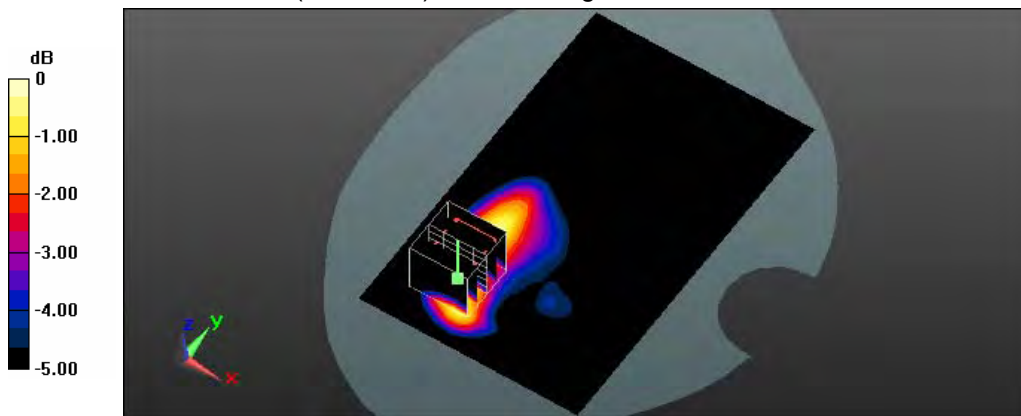
Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 9.916 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 0.795 W/kg

**SAR(1 g) = 0.487 W/kg; SAR(10 g) = 0.294 W/kg**

Maximum value of SAR (measured) = 0.639 W/kg



0 dB = 0.639 W/kg = -1.94 dBW/kg



Test Laboratory: A Test Lab Techno Corp.

Date: 2014/9/14 Time: AM 11:38:24

**133\_Flat\_LTE Band2 BW 20M CH18900 QPSK with 1RB Size 0RB Offset\_side4 surface to phantom 10mm**

**DUT: 88 Tauri; Type: GSM/WCDMA/LTE Android Smartphone; Serial: 356537050191189**

Communication System: UID 0, Generic LTE (0); Frequency: 1880 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 1880 \text{ MHz}$ ;  $\sigma = 1.458 \text{ S/m}$ ;  $\epsilon_r = 52.636$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977; ConvF(7.37, 7.37, 7.37); Calibrated: 2014/2/17;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2014/2/25
- Phantom: SAM with CRP; Type: SAM; Serial: TP-1150 and higher
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Flat/Area Scan (61x81x1):**

Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.525 W/kg

**Flat/Zoom Scan (5x5x7)/Cube 0:**

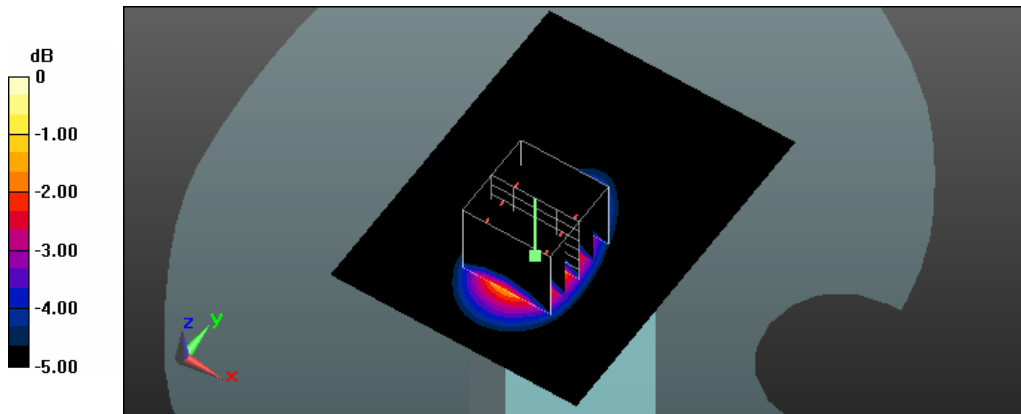
Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 14.541 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 0.636 W/kg

**SAR(1 g) = 0.391 W/kg; SAR(10 g) = 0.226 W/kg**

Maximum value of SAR (measured) = 0.524 W/kg



0 dB = 0.524 W/kg = -2.81 dBW/kg



Test Laboratory: A Test Lab Techno Corp.

Date: 2014/9/14 Time: AM 11:58:34

**134\_Flat\_LTE Band2 BW 20M CH18900 QPSK with 1RB Size 0RB Offset\_side5 surface to phantom 10mm**

**DUT: 88 Tauri; Type: GSM/WCDMA/LTE Android Smartphone; Serial: 356537050191189**

Communication System: UID 0, Generic LTE (0); Frequency: 1880 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 1880 \text{ MHz}$ ;  $\sigma = 1.458 \text{ S/m}$ ;  $\epsilon_r = 52.636$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977; ConvF(7.37, 7.37, 7.37); Calibrated: 2014/2/17;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2014/2/25
- Phantom: SAM with CRP; Type: SAM; Serial: TP-1150 and higher
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Flat/Area Scan (61x131x1):**

Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.123 W/kg

**Flat/Zoom Scan (5x5x7)/Cube 0:**

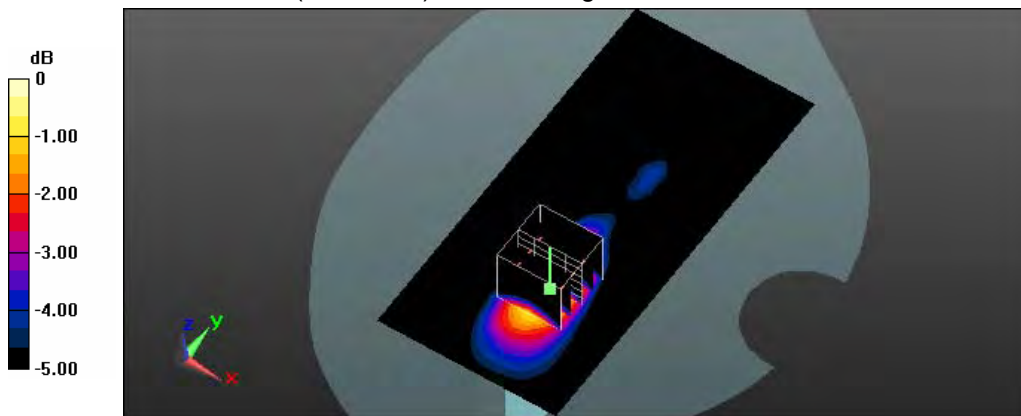
Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 5.333 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 0.153 W/kg

**SAR(1 g) = 0.094 W/kg; SAR(10 g) = 0.056 W/kg**

Maximum value of SAR (measured) = 0.125 W/kg



0 dB = 0.125 W/kg = -9.03 dBW/kg

Test Laboratory: A Test Lab Techno Corp.

Date: 2014/9/14 Time: PM 01:17:00

**135\_Flat\_LTE Band2 BW 20M CH18900 QPSK with 1RB Size 0RB Offset\_side6 surface to phantom 10mm**

**DUT: 88 Tauri; Type: GSM/WCDMA/LTE Android Smartphone; Serial: 356537050191189**

Communication System: UID 0, Generic LTE (0); Frequency: 1880 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 1880 \text{ MHz}$ ;  $\sigma = 1.458 \text{ S/m}$ ;  $\epsilon_r = 52.636$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977; ConvF(7.37, 7.37, 7.37); Calibrated: 2014/2/17;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2014/2/25
- Phantom: SAM with CRP; Type: SAM; Serial: TP-1150 and higher
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Flat/Area Scan (61x131x1):**

Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.570 W/kg

**Flat/Zoom Scan (5x5x7)/Cube 0:**

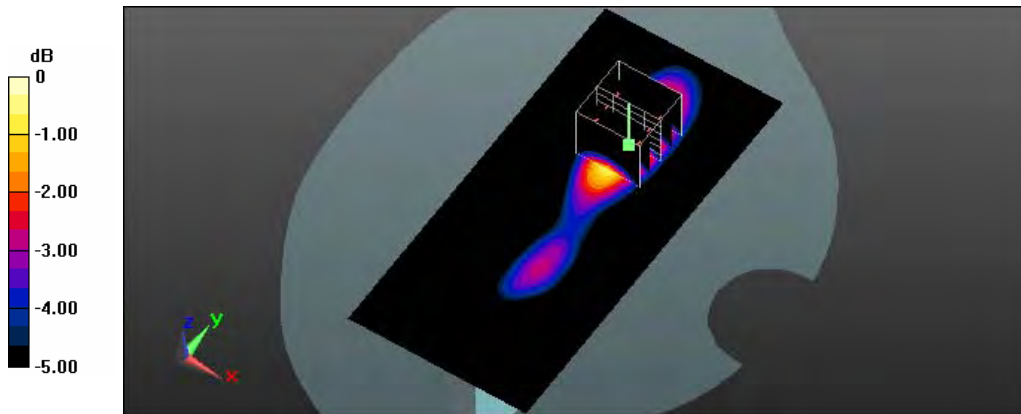
Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 12.684 V/m; Power Drift = -0.19 dB

Peak SAR (extrapolated) = 0.670 W/kg

**SAR(1 g) = 0.420 W/kg; SAR(10 g) = 0.248 W/kg**

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



0 dB = 0.555 W/kg = -2.56 dBW/kg

Test Laboratory: A Test Lab Techno Corp.

Date: 2014/9/14 Time: PM 02:11:11

**136\_Flat\_LTE Band2 BW 20M CH18900 QPSK with 50RB Size 0RB Offset\_side1 surface to phantom 10mm**

**DUT: 88 Tauri; Type: GSM/WCDMA/LTE Android Smartphone; Serial: 356537050191189**

Communication System: UID 0, Generic LTE (0); Frequency: 1880 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 1880 \text{ MHz}$ ;  $\sigma = 1.458 \text{ S/m}$ ;  $\epsilon_r = 52.636$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977; ConvF(7.37, 7.37, 7.37); Calibrated: 2014/2/17;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2014/2/25
- Phantom: SAM with CRP; Type: SAM; Serial: TP-1150 and higher
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Flat/Area Scan (81x131x1):**

Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.836 W/kg

**Flat/Zoom Scan (5x5x7)/Cube 0:**

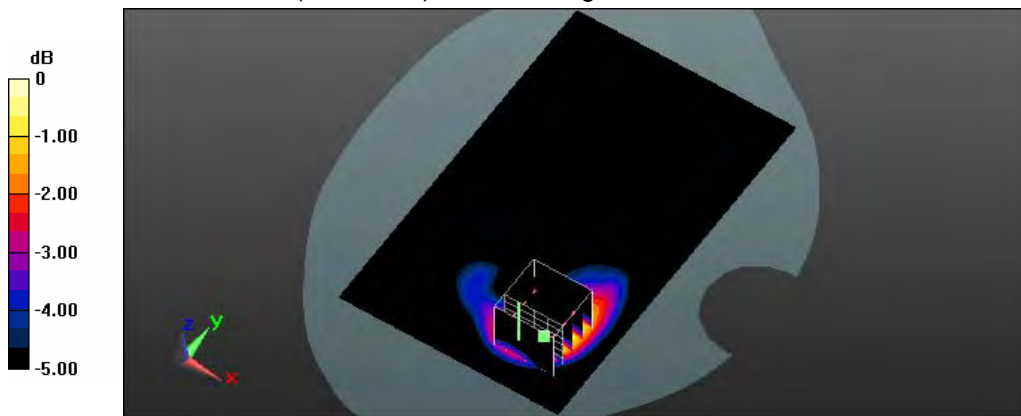
Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 12.103 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.984 W/kg

**SAR(1 g) = 0.582 W/kg; SAR(10 g) = 0.333 W/kg**

Maximum value of SAR (measured) = 0.781 W/kg



0 dB = 0.781 W/kg = -1.07 dBW/kg

Test Laboratory: A Test Lab Techno Corp.

Date: 2014/9/14 Time: PM 03:01:48

**137\_Flat\_LTE Band2 BW 20M CH18900 QPSK with 50RB Size 0RB Offset\_side2 surface to phantom 10mm**

**DUT: 88 Tauri; Type: GSM/WCDMA/LTE Android Smartphone; Serial: 356537050191189**

Communication System: UID 0, Generic LTE (0); Frequency: 1880 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 1880 \text{ MHz}$ ;  $\sigma = 1.458 \text{ S/m}$ ;  $\epsilon_r = 52.636$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977; ConvF(7.37, 7.37, 7.37); Calibrated: 2014/2/17;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2014/2/25
- Phantom: SAM with CRP; Type: SAM; Serial: TP-1150 and higher
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Flat/Area Scan (81x131x1):**

Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.537 W/kg

**Flat/Zoom Scan (5x5x7)/Cube 0:**

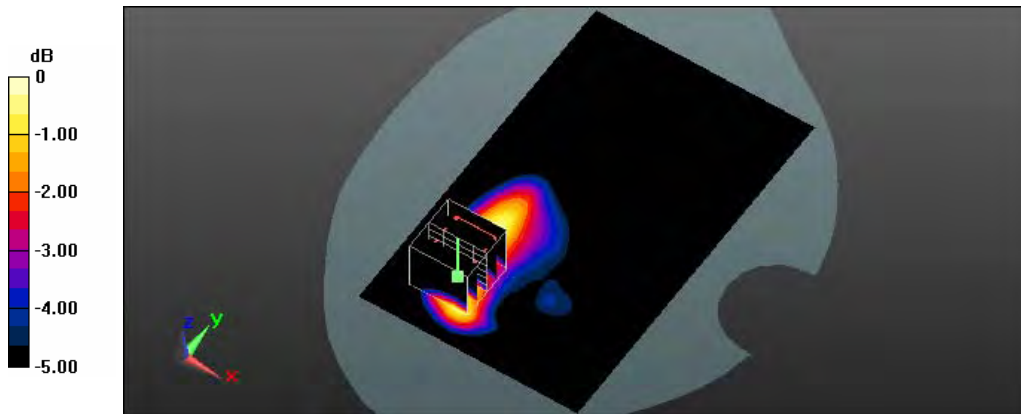
Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 9.976 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 0.638 W/kg

**SAR(1 g) = 0.392 W/kg; SAR(10 g) = 0.234 W/kg**

Maximum value of SAR (measured) = 0.514 W/kg



0 dB = 0.514 W/kg = -2.89 dBW/kg

Test Laboratory: A Test Lab Techno Corp.

Date: 2014/9/14 Time: PM 01:52:58

**138\_Flat\_LTE Band2 BW 20M CH18900 QPSK with 50RB Size 0RB Offset\_side4 surface to phantom 10mm**

**DUT: 88 Tauri; Type: GSM/WCDMA/LTE Android Smartphone; Serial: 356537050191189**

Communication System: UID 0, Generic LTE (0); Frequency: 1880 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 1880 \text{ MHz}$ ;  $\sigma = 1.458 \text{ S/m}$ ;  $\epsilon_r = 52.636$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977; ConvF(7.37, 7.37, 7.37); Calibrated: 2014/2/17;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2014/2/25
- Phantom: SAM with CRP; Type: SAM; Serial: TP-1150 and higher
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Flat/Area Scan (61x81x1):**

Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.417 W/kg

**Flat/Zoom Scan (5x5x7)/Cube 0:**

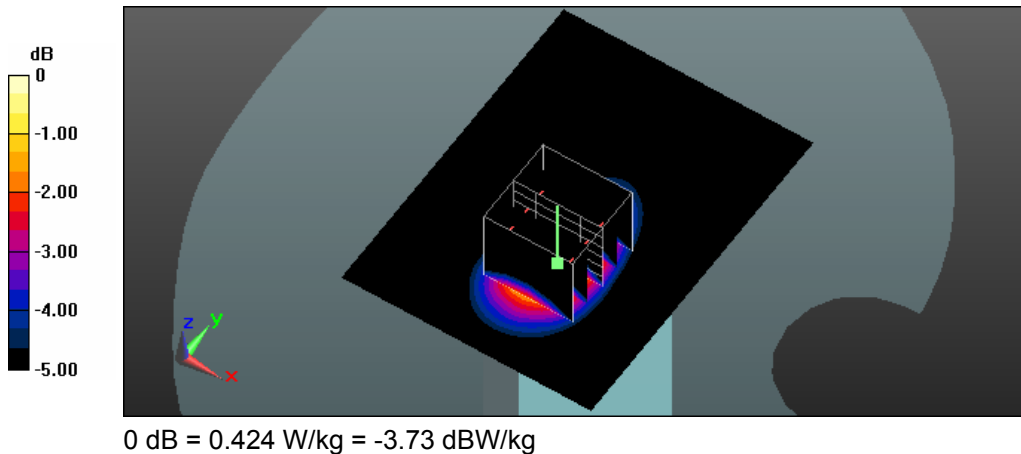
Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 12.501 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 0.516 W/kg

**SAR(1 g) = 0.315 W/kg; SAR(10 g) = 0.181 W/kg**

Maximum value of SAR (measured) = 0.424 W/kg



Test Laboratory: A Test Lab Techno Corp.

Date: 2014/9/14 Time: PM 12:17:34

**139\_Flat\_LTE Band2 BW 20M CH18900 QPSK with 50RB Size 0RB Offset\_side5 surface to phantom 10mm**

**DUT: 88 Tauri; Type: GSM/WCDMA/LTE Android Smartphone; Serial: 356537050191189**

Communication System: UID 0, Generic LTE (0); Frequency: 1880 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 1880 \text{ MHz}$ ;  $\sigma = 1.458 \text{ S/m}$ ;  $\epsilon_r = 52.636$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977; ConvF(7.37, 7.37, 7.37); Calibrated: 2014/2/17;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2014/2/25
- Phantom: SAM with CRP; Type: SAM; Serial: TP-1150 and higher
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Flat/Area Scan (61x131x1):**

Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.0988 W/kg

**Flat/Zoom Scan (5x5x7)/Cube 0:**

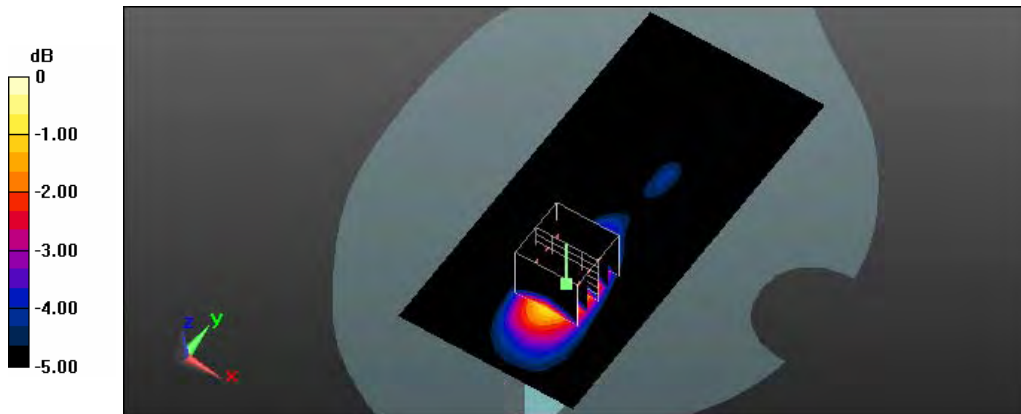
Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 4.795 V/m; Power Drift = -0.19 dB

Peak SAR (extrapolated) = 0.125 W/kg

**SAR(1 g) = 0.077 W/kg; SAR(10 g) = 0.045 W/kg**

Maximum value of SAR (measured) = 0.103 W/kg



0 dB = 0.103 W/kg = -9.87 dBW/kg

Test Laboratory: A Test Lab Techno Corp.

Date: 2014/9/14 Time: PM 12:41:24

**140\_Flat\_LTE Band2 BW 20M CH18900 QPSK with 50RB Size 0RB Offset\_side6 surface to phantom 10mm**

**DUT: 88 Tauri; Type: GSM/WCDMA/LTE Android Smartphone; Serial: 356537050191189**

Communication System: UID 0, Generic LTE (0); Frequency: 1880 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 1880 \text{ MHz}$ ;  $\sigma = 1.458 \text{ S/m}$ ;  $\epsilon_r = 52.636$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977; ConvF(7.37, 7.37, 7.37); Calibrated: 2014/2/17;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2014/2/25
- Phantom: SAM with CRP; Type: SAM; Serial: TP-1150 and higher
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Flat/Area Scan (61x131x1):**

Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.465 W/kg

**Flat/Zoom Scan (5x5x7)/Cube 0:**

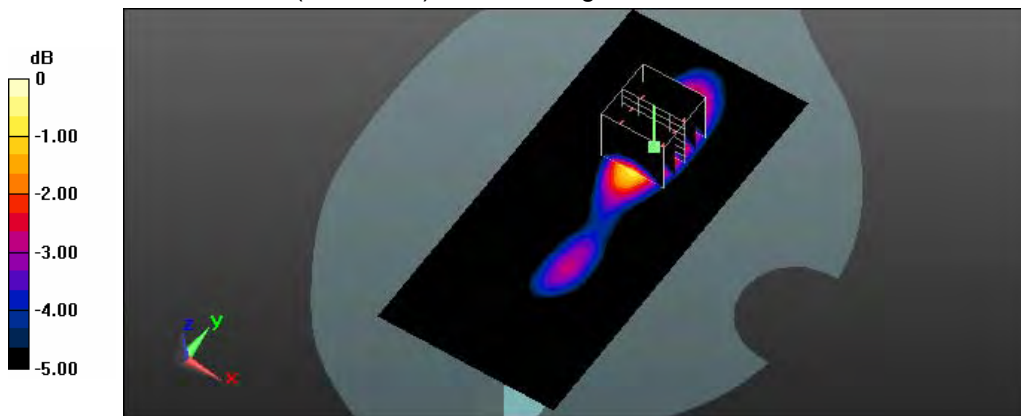
Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 11.224 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 0.561 W/kg

**SAR(1 g) = 0.348 W/kg; SAR(10 g) = 0.204 W/kg**

Maximum value of SAR (measured) = 0.463 W/kg



0 dB = 0.463 W/kg = -3.34 dBW/kg



Test Laboratory: A Test Lab Techno Corp.

Date: 2014/9/14 Time: PM 05:34:27

**151\_Flat\_LTE Band4 BW 20M CH20050 QPSK with 1RB Size 0RB Offset\_side1 surface to phantom 10mm**

**DUT: 88 Tauri; Type: GSM/WCDMA/LTE Android Smartphone; Serial: 356537050191189**

Communication System: UID 0, Generic LTE (0); Frequency: 1720 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 1720 \text{ MHz}$ ;  $\sigma = 1.494 \text{ S/m}$ ;  $\epsilon_r = 54.545$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977; ConvF(7.69, 7.69, 7.69); Calibrated: 2014/2/17;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2014/2/25
- Phantom: SAM with CRP; Type: SAM; Serial: TP-1150 and higher
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Flat/Area Scan (81x131x1):**

Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 1.24 W/kg

**Flat/Zoom Scan (5x5x7)/Cube 0:**

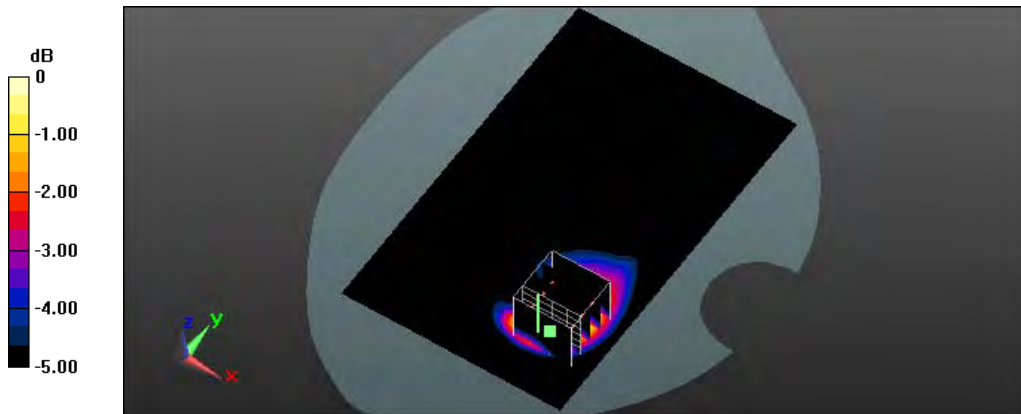
Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 10.280 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 1.41 W/kg

**SAR(1 g) = 0.829 W/kg; SAR(10 g) = 0.486 W/kg**

Maximum value of SAR (measured) = 1.14 W/kg



0 dB = 1.14 W/kg = 0.57 dBW/kg



Test Laboratory: A Test Lab Techno Corp.

Date: 2014/9/14 Time: PM 09:42:13

**156\_Flat\_LTE Band4 BW 20M CH20050 QPSK with 50RB Size 0RB Offset\_side1 surface to phantom 10mm**

**DUT: 88 Tauri; Type: GSM/WCDMA/LTE Android Smartphone; Serial: 356537050191189**

Communication System: UID 0, Generic LTE (0); Frequency: 1720 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 1720 \text{ MHz}$ ;  $\sigma = 1.494 \text{ S/m}$ ;  $\epsilon_r = 54.545$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977; ConvF(7.69, 7.69, 7.69); Calibrated: 2014/2/17;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2014/2/25
- Phantom: SAM with CRP; Type: SAM; Serial: TP-1150 and higher
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Flat/Area Scan (81x131x1):**

Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.836 W/kg

**Flat/Zoom Scan (5x5x7)/Cube 0:**

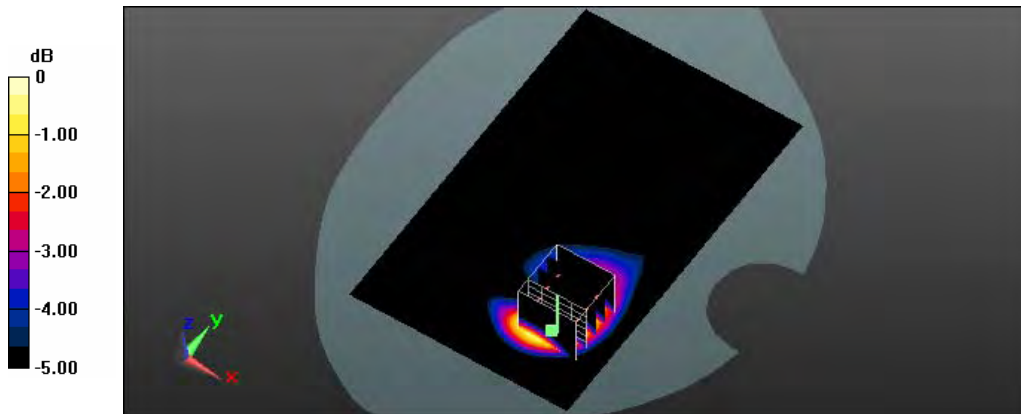
Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 8.871 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 0.931 W/kg

**SAR(1 g) = 0.570 W/kg; SAR(10 g) = 0.342 W/kg**

Maximum value of SAR (measured) = 0.752 W/kg



0 dB = 0.752 W/kg = -1.24 dBW/kg

Test Laboratory: A Test Lab Techno Corp.

Date: 2014/9/14 Time: PM 05:58:37

**152\_Flat\_LTE Band4 BW 20M CH20175 QPSK with 1RB Size 0RB Offset\_side1 surface to phantom 10mm**

**DUT: 88 Tauri; Type: GSM/WCDMA/LTE Android Smartphone; Serial: 356537050191189**

Communication System: UID 0, Generic LTE (0); Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 1732.5$  MHz;  $\sigma = 1.506$  S/m;  $\epsilon_r = 54.605$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977; ConvF(7.69, 7.69, 7.69); Calibrated: 2014/2/17;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2014/2/25
- Phantom: SAM with CRP; Type: SAM; Serial: TP-1150 and higher
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Flat/Area Scan (81x131x1):**

Interpolated grid:  $dx=1.500$  mm,  $dy=1.500$  mm

Maximum value of SAR (interpolated) = 1.22 W/kg

**Flat/Zoom Scan (5x5x7)/Cube 0:**

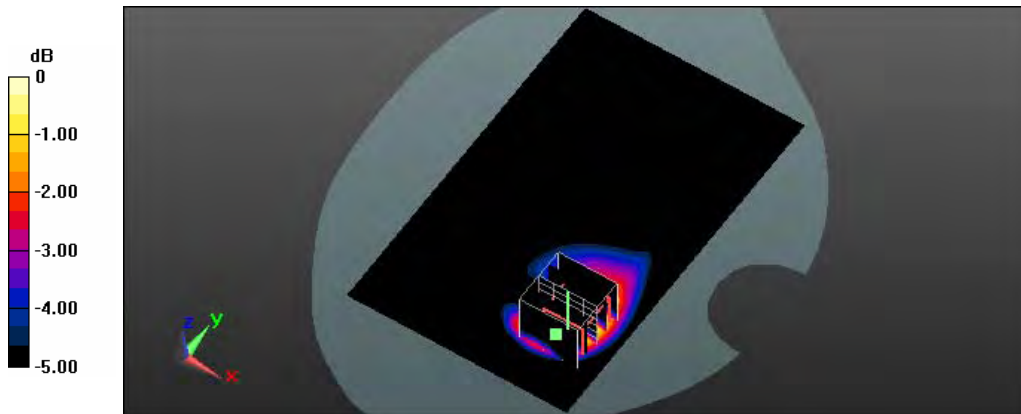
Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 10.866 V/m; Power Drift = -0.00 dB

Peak SAR (extrapolated) = 1.39 W/kg

**SAR(1 g) = 0.845 W/kg; SAR(10 g) = 0.502 W/kg**

Maximum value of SAR (measured) = 1.11 W/kg



0 dB = 1.11 W/kg = 0.45 dBW/kg

Test Laboratory: A Test Lab Techno Corp.

Date: 2014/9/14 Time: PM 06:22:20

**153\_Flat\_LTE Band4 BW 20M CH20175 QPSK with 1RB Size 0RB Offset\_headset\_side1 surface to phantom 10mm**

**DUT: 88 Tauri; Type: GSM/WCDMA/LTE Android Smartphone; Serial: 356537050191189**

Communication System: UID 0, Generic LTE (0); Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 1732.5 \text{ MHz}$ ;  $\sigma = 1.506 \text{ S/m}$ ;  $\epsilon_r = 54.605$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977; ConvF(7.69, 7.69, 7.69); Calibrated: 2014/2/17;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2014/2/25
- Phantom: SAM with CRP; Type: SAM; Serial: TP-1150 and higher
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Flat/Area Scan (81x131x1):**

Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 1.23 W/kg

**Flat/Zoom Scan (5x5x7)/Cube 0:**

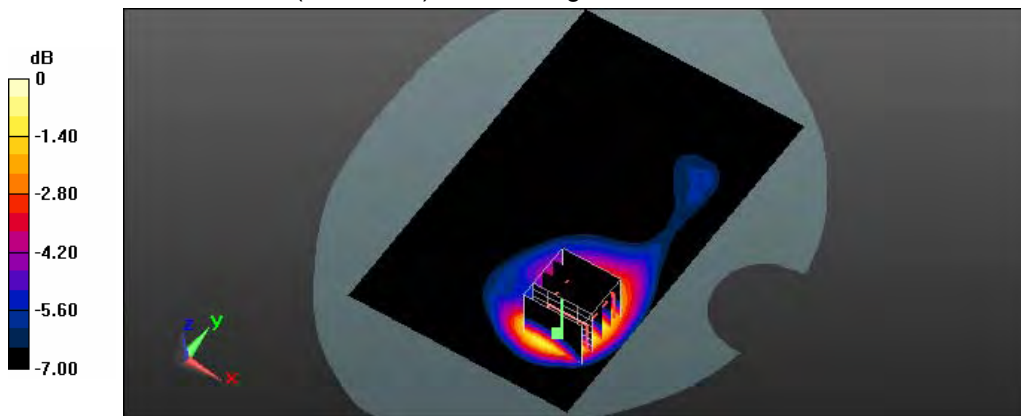
Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 10.253 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 1.41 W/kg

**SAR(1 g) = 0.875 W/kg; SAR(10 g) = 0.526 W/kg**

Maximum value of SAR (measured) = 1.12 W/kg



0 dB = 1.12 W/kg = 0.49 dBW/kg

Test Laboratory: A Test Lab Techno Corp.

Date: 2014/9/14 Time: PM 10:03:54

**157\_Flat\_LTE Band4 BW 20M CH20175 QPSK with 50RB Size 0RB Offset\_side1 surface to phantom 10mm**

**DUT: 88 Tauri; Type: GSM/WCDMA/LTE Android Smartphone; Serial: 356537050191189**

Communication System: UID 0, Generic LTE (0); Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 1732.5$  MHz;  $\sigma = 1.506$  S/m;  $\epsilon_r = 54.605$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977; ConvF(7.69, 7.69, 7.69); Calibrated: 2014/2/17;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2014/2/25
- Phantom: SAM with CRP; Type: SAM; Serial: TP-1150 and higher
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

#### **Flat/Area Scan (81x131x1):**

Interpolated grid:  $dx=1.500$  mm,  $dy=1.500$  mm

Maximum value of SAR (interpolated) = 0.826 W/kg

#### **Flat/Zoom Scan (5x5x7)/Cube 0:**

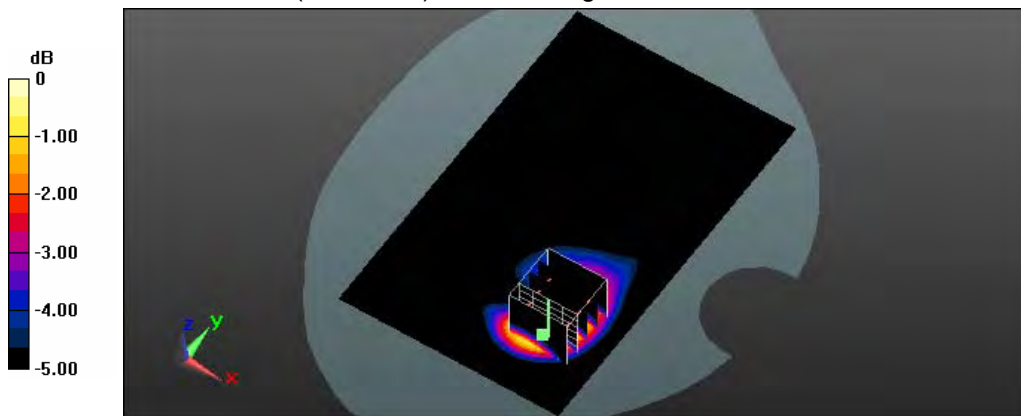
Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 9.206 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.960 W/kg

**SAR(1 g) = 0.590 W/kg; SAR(10 g) = 0.352 W/kg**

Maximum value of SAR (measured) = 0.771 W/kg



0 dB = 0.771 W/kg = -1.13 dBW/kg

Test Laboratory: A Test Lab Techno Corp.

Date: 2014/9/14 Time: PM 10:03:54

**157\_Flat\_LTE Band4 BW 20M CH20175 QPSK with 50RB Size 0RB Offset\_side1 surface to phantom 10mm**

**DUT: 88 Tauri; Type: GSM/WCDMA/LTE Android Smartphone; Serial: 356537050191189**

Communication System: UID 0, Generic LTE (0); Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 1732.5$  MHz;  $\sigma = 1.506$  S/m;  $\epsilon_r = 54.605$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977; ConvF(7.69, 7.69, 7.69); Calibrated: 2014/2/17;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2014/2/25
- Phantom: SAM with CRP; Type: SAM; Serial: TP-1150 and higher
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

#### **Flat/Area Scan (81x131x1):**

Interpolated grid:  $dx=1.500$  mm,  $dy=1.500$  mm

Maximum value of SAR (interpolated) = 0.826 W/kg

#### **Flat/Zoom Scan (5x5x7)/Cube 0:**

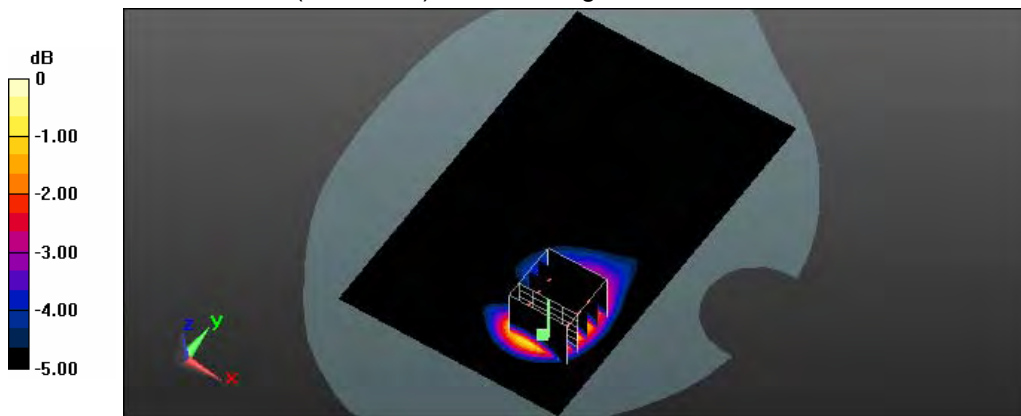
Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 9.206 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.960 W/kg

**SAR(1 g) = 0.590 W/kg; SAR(10 g) = 0.352 W/kg**

Maximum value of SAR (measured) = 0.771 W/kg



0 dB = 0.771 W/kg = -1.13 dBW/kg

Test Laboratory: A Test Lab Techno Corp.

Date: 2014/9/14 Time: PM 10:03:54

**157\_Flat\_LTE Band4 BW 20M CH20175 QPSK with 50RB Size 0RB Offset\_side1 surface to phantom 10mm**

**DUT: 88 Tauri; Type: GSM/WCDMA/LTE Android Smartphone; Serial: 356537050191189**

Communication System: UID 0, Generic LTE (0); Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 1732.5$  MHz;  $\sigma = 1.506$  S/m;  $\epsilon_r = 54.605$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977; ConvF(7.69, 7.69, 7.69); Calibrated: 2014/2/17;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2014/2/25
- Phantom: SAM with CRP; Type: SAM; Serial: TP-1150 and higher
- Measurement SW: DASYS2, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

#### **Flat/Area Scan (81x131x1):**

Interpolated grid:  $dx=1.500$  mm,  $dy=1.500$  mm

Maximum value of SAR (interpolated) = 0.826 W/kg

#### **Flat/Zoom Scan (5x5x7)/Cube 0:**

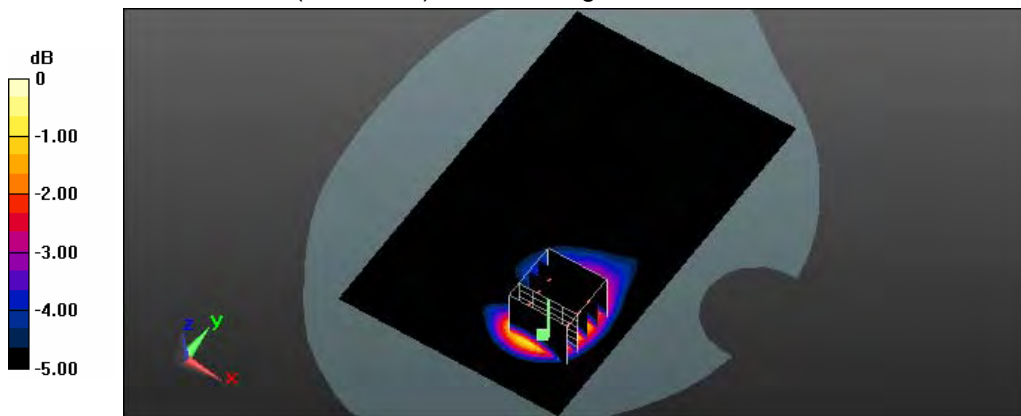
Measurement grid:  $dx=8$  mm,  $dy=8$  mm,  $dz=5$  mm

Reference Value = 9.206 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.960 W/kg

**SAR(1 g) = 0.590 W/kg; SAR(10 g) = 0.352 W/kg**

Maximum value of SAR (measured) = 0.771 W/kg



0 dB = 0.771 W/kg = -1.13 dBW/kg

Test Laboratory: A Test Lab Techno Corp.

Date: 2014/9/15 Time: AM 09:57:10

**143\_Flat\_LTE Band4 BW 20M CH20300 QPSK with 1RB Size 0RB Offset\_side4 surface to phantom 10mm**

**DUT: 88 Tauri; Type: GSM/WCDMA/LTE Android Smartphone; Serial: 356537050191189**

Communication System: UID 0, Generic LTE (0); Frequency: 1745 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 1745 \text{ MHz}$ ;  $\sigma = 1.514 \text{ S/m}$ ;  $\epsilon_r = 54.682$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977; ConvF(7.69, 7.69, 7.69); Calibrated: 2014/2/17;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2014/2/25
- Phantom: SAM with CRP; Type: SAM; Serial: TP-1150 and higher
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Flat/Area Scan (61x81x1):**

Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.410 W/kg

**Flat/Zoom Scan (5x5x7)/Cube 0:**

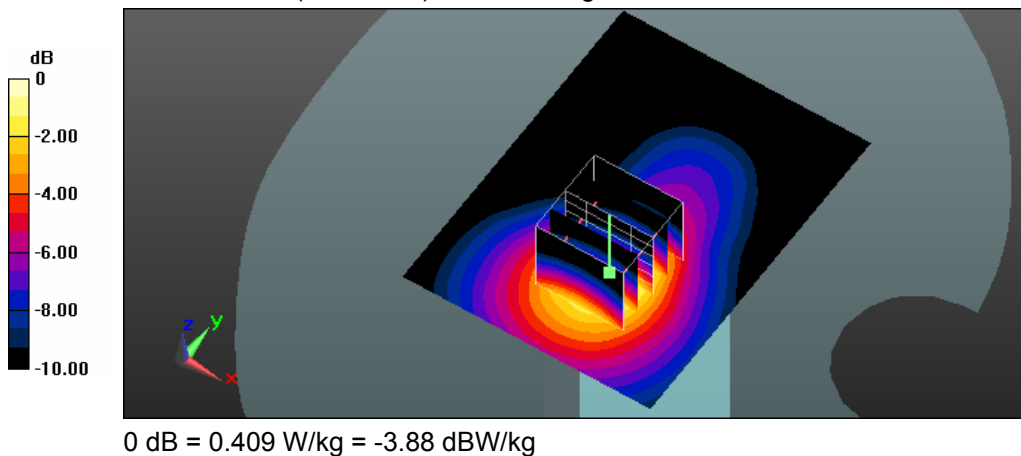
Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 8.992 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 0.494 W/kg

**SAR(1 g) = 0.307 W/kg; SAR(10 g) = 0.180 W/kg**

Maximum value of SAR (measured) = 0.409 W/kg





Test Laboratory: A Test Lab Techno Corp.

Date: 2014/9/15 Time: AM 10:34:01

**144\_Flat\_LTE Band4 BW 20M CH20300 QPSK with 1RB Size 0RB Offset\_side5 surface to phantom 10mm**

**DUT: 88 Tauri; Type: GSM/WCDMA/LTE Android Smartphone; Serial: 356537050191189**

Communication System: UID 0, Generic LTE (0); Frequency: 1745 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 1745 \text{ MHz}$ ;  $\sigma = 1.514 \text{ S/m}$ ;  $\epsilon_r = 54.682$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977; ConvF(7.69, 7.69, 7.69); Calibrated: 2014/2/17;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2014/2/25
- Phantom: SAM with CRP; Type: SAM; Serial: TP-1150 and higher
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Flat/Area Scan (61x131x1):**

Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.100 W/kg

**Flat/Zoom Scan (5x5x7)/Cube 0:**

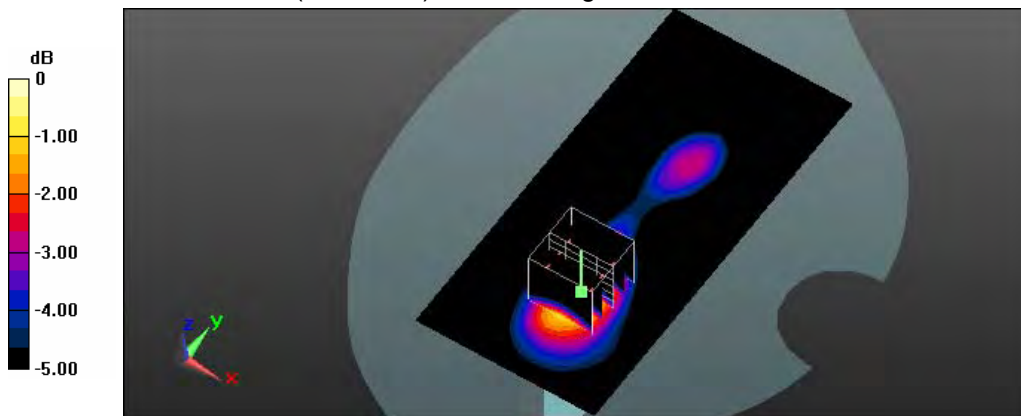
Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 5.047 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.128 W/kg

**SAR(1 g) = 0.082 W/kg; SAR(10 g) = 0.050 W/kg**

Maximum value of SAR (measured) = 0.107 W/kg



0 dB = 0.107 W/kg = -9.71 dBW/kg



Test Laboratory: A Test Lab Techno Corp.

Date: 2014/9/15 Time: AM 10:34:01

**144\_Flat\_LTE Band4 BW 20M CH20300 QPSK with 1RB Size 0RB Offset\_side5 surface to phantom 10mm**

**DUT: 88 Tauri; Type: GSM/WCDMA/LTE Android Smartphone; Serial: 356537050191189**

Communication System: UID 0, Generic LTE (0); Frequency: 1745 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 1745 \text{ MHz}$ ;  $\sigma = 1.514 \text{ S/m}$ ;  $\epsilon_r = 54.682$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977; ConvF(7.69, 7.69, 7.69); Calibrated: 2014/2/17;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2014/2/25
- Phantom: SAM with CRP; Type: SAM; Serial: TP-1150 and higher
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Flat/Area Scan (61x131x1):**

Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.100 W/kg

**Flat/Zoom Scan (5x5x7)/Cube 0:**

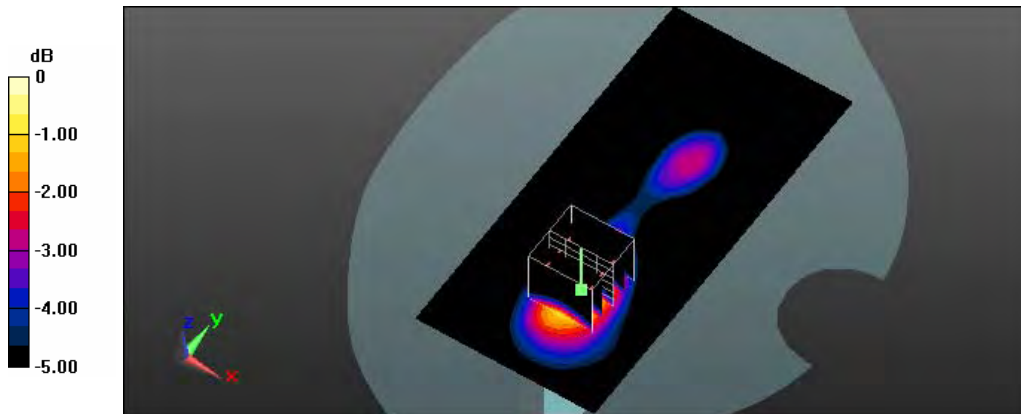
Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 5.047 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.128 W/kg

**SAR(1 g) = 0.082 W/kg; SAR(10 g) = 0.050 W/kg**

Maximum value of SAR (measured) = 0.107 W/kg



0 dB = 0.107 W/kg = -9.71 dBW/kg

Test Laboratory: A Test Lab Techno Corp.

Date: 2014/9/14 Time: PM 05:09:18

**146\_Flat\_LTE Band4 BW 20M CH20300 QPSK with 50RB Size 0RB Offset\_side1 surface to phantom 10mm**

**DUT: 88 Tauri; Type: GSM/WCDMA/LTE Android Smartphone; Serial: 356537050191189**

Communication System: UID 0, Generic LTE (0); Frequency: 1745 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 1745 \text{ MHz}$ ;  $\sigma = 1.514 \text{ S/m}$ ;  $\epsilon_r = 54.682$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977; ConvF(7.69, 7.69, 7.69); Calibrated: 2014/2/17;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2014/2/25
- Phantom: SAM with CRP; Type: SAM; Serial: TP-1150 and higher
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Flat/Area Scan (81x131x1):**

Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

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

**Flat/Zoom Scan (5x5x7)/Cube 0:**

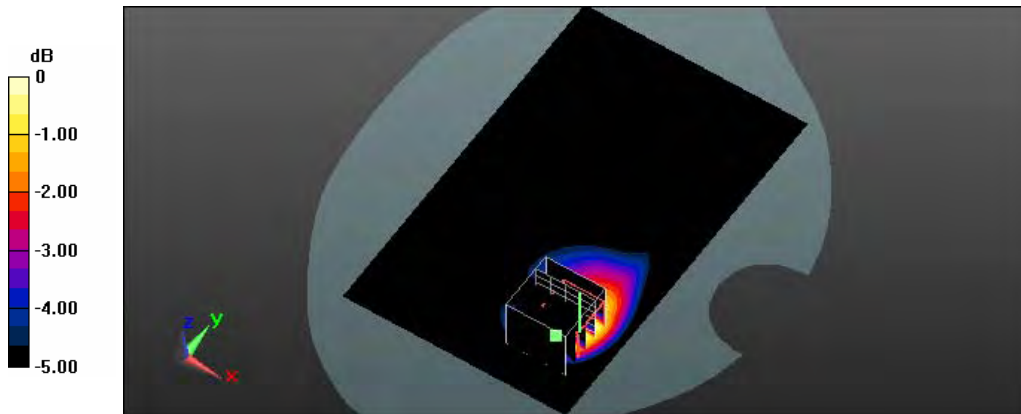
Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 9.909 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 1.13 W/kg

**SAR(1 g) = 0.681 W/kg; SAR(10 g) = 0.400 W/kg**

Maximum value of SAR (measured) = 0.903 W/kg



0 dB = 0.903 W/kg = -0.44 dBW/kg

Test Laboratory: A Test Lab Techno Corp.

Date: 2014/9/15 Time: AM 09:22:23

**147\_Flat\_LTE Band4 BW 20M CH20300 QPSK with 50RB Size 0RB Offset\_side2 surface to phantom 10mm**

**DUT: 88 Tauri; Type: GSM/WCDMA/LTE Android Smartphone; Serial: 356537050191189**

Communication System: UID 0, Generic LTE (0); Frequency: 1745 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 1745 \text{ MHz}$ ;  $\sigma = 1.514 \text{ S/m}$ ;  $\epsilon_r = 54.682$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977; ConvF(7.69, 7.69, 7.69); Calibrated: 2014/2/17;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2014/2/25
- Phantom: SAM with CRP; Type: SAM; Serial: TP-1150 and higher
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Flat/Area Scan (81x131x1):**

Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.657 W/kg

**Flat/Zoom Scan (5x5x7)/Cube 0:**

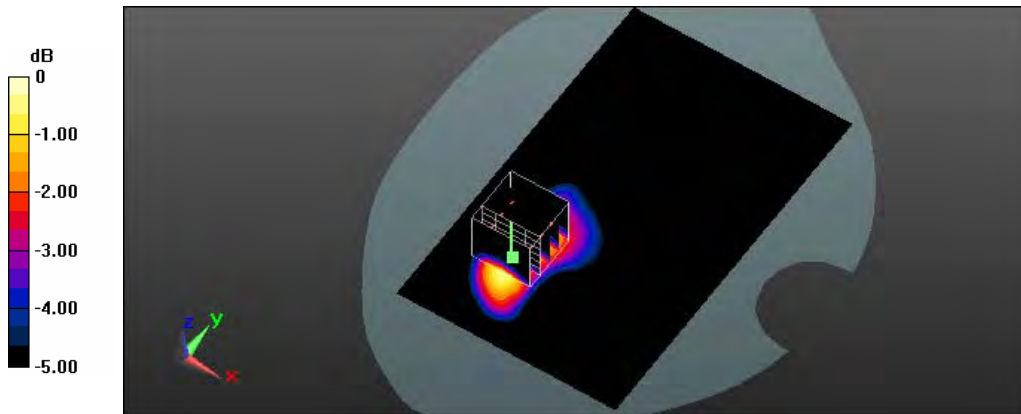
Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 8.896 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.809 W/kg

**SAR(1 g) = 0.505 W/kg; SAR(10 g) = 0.302 W/kg**

Maximum value of SAR (measured) = 0.677 W/kg



0 dB = 0.677 W/kg = -1.69 dBW/kg

Test Laboratory: A Test Lab Techno Corp.

Date: 2014/9/15 Time: AM 10:12:50

**148\_Flat\_LTE Band4 BW 20M CH20300 QPSK with 50RB Size 0RB Offset\_side4 surface to phantom 10mm**

**DUT: 88 Tauri; Type: GSM/WCDMA/LTE Android Smartphone; Serial: 356537050191189**

Communication System: UID 0, Generic LTE (0); Frequency: 1745 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 1745 \text{ MHz}$ ;  $\sigma = 1.514 \text{ S/m}$ ;  $\epsilon_r = 54.682$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977; ConvF(7.69, 7.69, 7.69); Calibrated: 2014/2/17;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2014/2/25
- Phantom: SAM with CRP; Type: SAM; Serial: TP-1150 and higher
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Flat/Area Scan (61x81x1):**

Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.333 W/kg

**Flat/Zoom Scan (5x5x7)/Cube 0:**

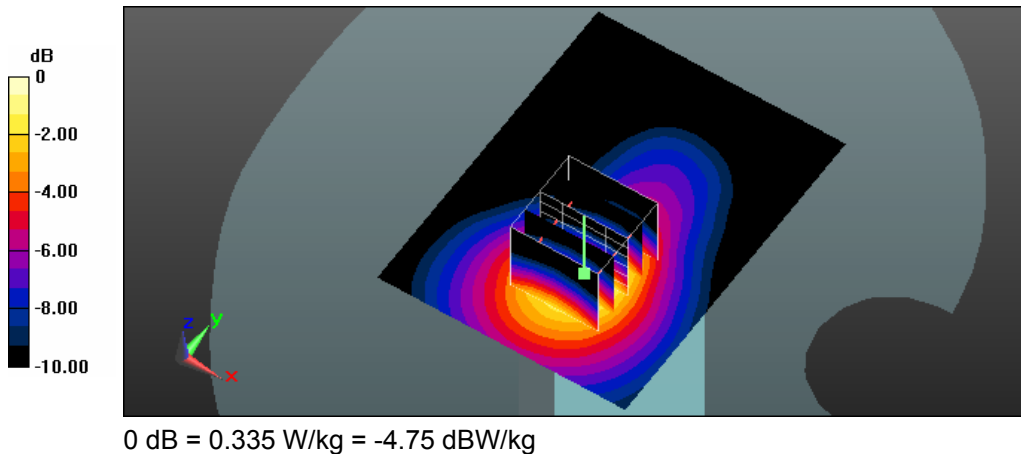
Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 8.220 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 0.405 W/kg

**SAR(1 g) = 0.251 W/kg; SAR(10 g) = 0.147 W/kg**

Maximum value of SAR (measured) = 0.335 W/kg



Test Laboratory: A Test Lab Techno Corp.

Date: 2014/9/15 Time: AM 10:53:17

**149\_Flat\_LTE Band4 BW 20M CH20300 QPSK with 50RB Size 0RB Offset\_side5 surface to phantom 10mm**

**DUT: 88 Tauri; Type: GSM/WCDMA/LTE Android Smartphone; Serial: 356537050191189**

Communication System: UID 0, Generic LTE (0); Frequency: 1745 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 1745 \text{ MHz}$ ;  $\sigma = 1.514 \text{ S/m}$ ;  $\epsilon_r = 54.682$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977; ConvF(7.69, 7.69, 7.69); Calibrated: 2014/2/17;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2014/2/25
- Phantom: SAM with CRP; Type: SAM; Serial: TP-1150 and higher
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Flat/Area Scan (61x131x1):**

Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.0931 W/kg

**Flat/Zoom Scan (5x5x7)/Cube 0:**

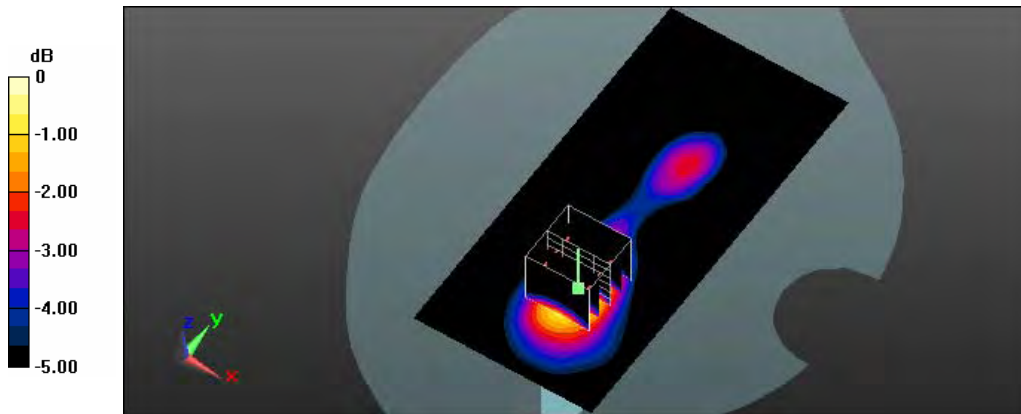
Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 5.081 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.109 W/kg

**SAR(1 g) = 0.070 W/kg; SAR(10 g) = 0.043 W/kg**

Maximum value of SAR (measured) = 0.0921 W/kg



0 dB = 0.0921 W/kg = -10.36 dBW/kg

Test Laboratory: A Test Lab Techno Corp.

Date: 2014/9/15 Time: AM 11:34:56

**150\_Flat\_LTE Band4 BW 20M CH20300 QPSK with 50RB Size 0RB Offset\_side6 surface to phantom 10mm**

**DUT: 88 Tauri; Type: GSM/WCDMA/LTE Android Smartphone; Serial: 356537050191189**

Communication System: UID 0, Generic LTE (0); Frequency: 1745 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 1745 \text{ MHz}$ ;  $\sigma = 1.514 \text{ S/m}$ ;  $\epsilon_r = 54.682$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977; ConvF(7.69, 7.69, 7.69); Calibrated: 2014/2/17;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2014/2/25
- Phantom: SAM with CRP; Type: SAM; Serial: TP-1150 and higher
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

#### **Flat/Area Scan (61x131x1):**

Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

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

#### **Flat/Zoom Scan (5x5x7)/Cube 0:**

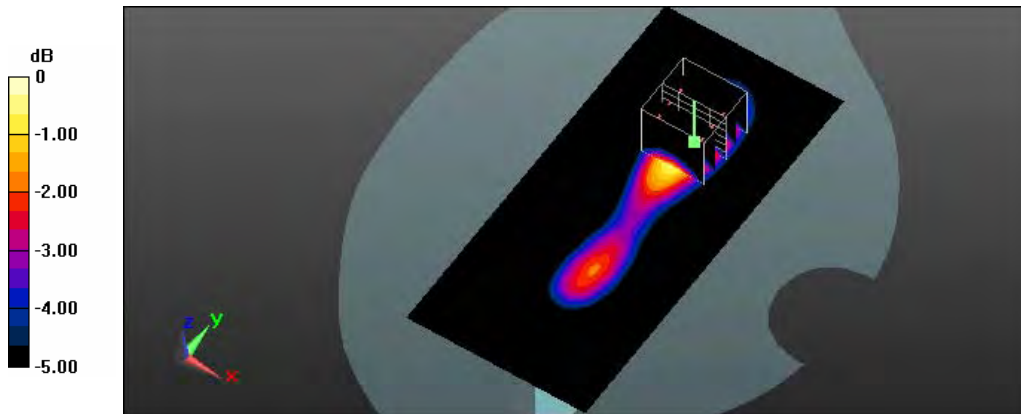
Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 12.802 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 0.621 W/kg

**SAR(1 g) = 0.392 W/kg; SAR(10 g) = 0.233 W/kg**

Maximum value of SAR (measured) = 0.517 W/kg



0 dB = 0.517 W/kg = -2.87 dBW/kg

Test Laboratory: A Test Lab Techno Corp.

Date: 2014/9/14 Time: PM 09:18:03

**155\_Flat\_LTE Band4 BW 20M CH20300 QPSK with 100RB Size 0RB Offset\_side1 surface to phantom 10mm**

**DUT: 88 Tauri; Type: GSM/WCDMA/LTE Android Smartphone; Serial: 356537050191189**

Communication System: UID 0, Generic LTE (0); Frequency: 1745 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 1745 \text{ MHz}$ ;  $\sigma = 1.514 \text{ S/m}$ ;  $\epsilon_r = 54.682$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977; ConvF(7.69, 7.69, 7.69); Calibrated: 2014/2/17;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2014/2/25
- Phantom: SAM with CRP; Type: SAM; Serial: TP-1150 and higher
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Flat/Area Scan (81x131x1):**

Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.851 W/kg

**Flat/Zoom Scan (5x5x7)/Cube 0:**

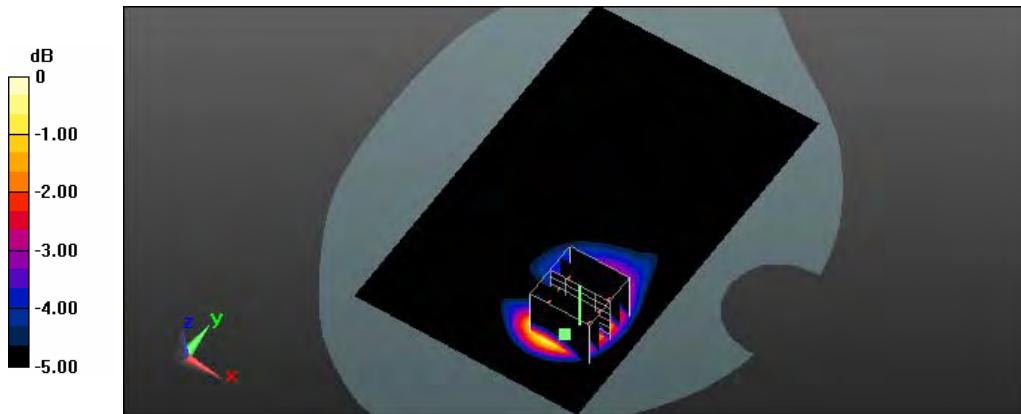
Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 9.617 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.979 W/kg

**SAR(1 g) = 0.597 W/kg; SAR(10 g) = 0.354 W/kg**

Maximum value of SAR (measured) = 0.784 W/kg



0 dB = 0.784 W/kg = -1.06 dBW/kg



Test Laboratory: A Test Lab Techno Corp.

Date: 2014/9/11 Time: AM 09:44:33

**40\_Flat\_LTE Band5 BW 10M CH20450 QPSK with 1RB Size 0RB Offset\_side1 surface to phantom 10mm**

**DUT: 88 Tauri; Type: GSM/WCDMA/LTE Android Smartphone; Serial: 356537050191189**

Communication System: UID 0, Generic LTE (0); Frequency: 829 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 829 \text{ MHz}$ ;  $\sigma = 0.982 \text{ S/m}$ ;  $\epsilon_r = 55.325$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977; ConvF(9.74, 9.74, 9.74); Calibrated: 2014/2/17;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2014/2/25
- Phantom: SAM with CRP; Type: SAM; Serial: TP-1150 and higher
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Flat/Area Scan (81x131x1):**

Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.397 W/kg

**Flat/Zoom Scan (5x5x7)/Cube 0:**

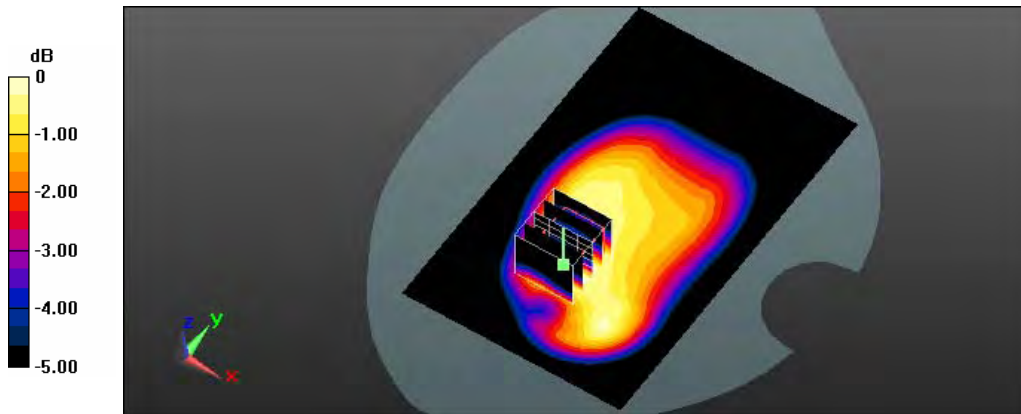
Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 19.153 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.454 W/kg

**SAR(1 g) = 0.347 W/kg; SAR(10 g) = 0.260 W/kg**

Maximum value of SAR (measured) = 0.404 W/kg



0 dB = 0.404 W/kg = -3.94 dBW/kg



Test Laboratory: A Test Lab Techno Corp.

Date: 2014/9/11 Time: AM 10:09:47

**41\_Flat\_LTE Band5 BW 10M CH20450 QPSK with 1RB Size 0RB Offset\_side2 surface to phantom 10mm**

**DUT: 88 Tauri; Type: GSM/WCDMA/LTE Android Smartphone; Serial: 356537050191189**

Communication System: UID 0, Generic LTE (0); Frequency: 829 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 829 \text{ MHz}$ ;  $\sigma = 0.982 \text{ S/m}$ ;  $\epsilon_r = 55.325$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977; ConvF(9.74, 9.74, 9.74); Calibrated: 2014/2/17;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2014/2/25
- Phantom: SAM with CRP; Type: SAM; Serial: TP-1150 and higher
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Flat/Area Scan (81x131x1):**

Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.495 W/kg

**Flat/Zoom Scan (5x5x7)/Cube 0:**

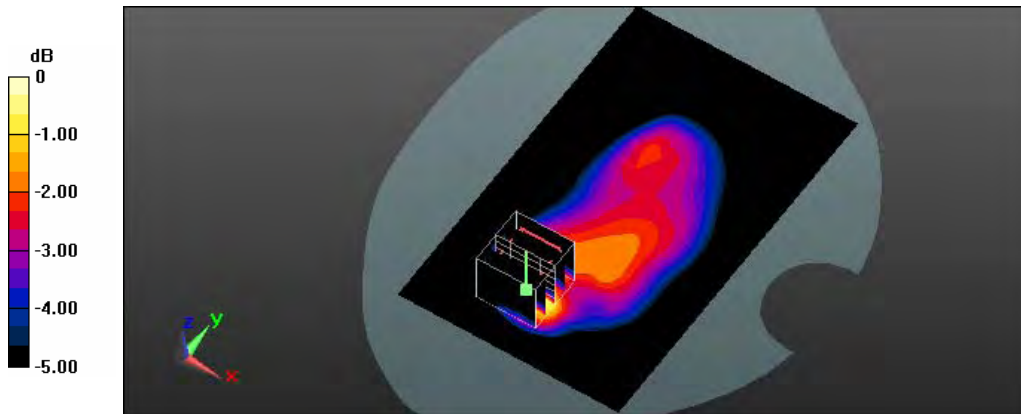
Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 16.646 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 0.567 W/kg

**SAR(1 g) = 0.368 W/kg; SAR(10 g) = 0.234 W/kg**

Maximum value of SAR (measured) = 0.471 W/kg



0 dB = 0.471 W/kg = -3.27 dBW/kg

Test Laboratory: A Test Lab Techno Corp.

Date: 2014/9/11 Time: AM 10:37:12

**42\_Flat\_LTE Band5 BW 10M CH20450 QPSK with 1RB Size 0RB Offset\_side4 surface to phantom 10mm**

**DUT: 88 Tauri; Type: GSM/WCDMA/LTE Android Smartphone; Serial: 356537050191189**

Communication System: UID 0, Generic LTE (0); Frequency: 829 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 829 \text{ MHz}$ ;  $\sigma = 0.982 \text{ S/m}$ ;  $\epsilon_r = 55.325$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977; ConvF(9.74, 9.74, 9.74); Calibrated: 2014/2/17;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2014/2/25
- Phantom: SAM with CRP; Type: SAM; Serial: TP-1150 and higher
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Flat/Area Scan (61x81x1):**

Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.0849 W/kg

**Flat/Zoom Scan (5x5x7)/Cube 0:**

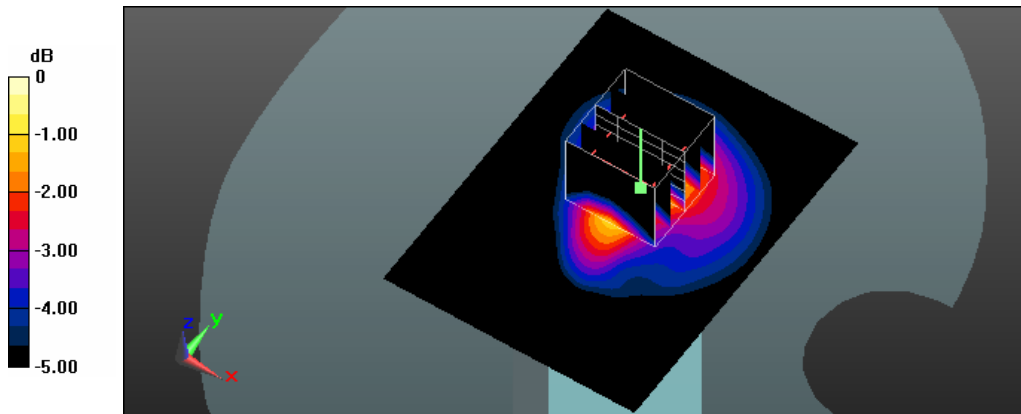
Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 9.116 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 0.104 W/kg

**SAR(1 g) = 0.072 W/kg; SAR(10 g) = 0.047 W/kg**

Maximum value of SAR (measured) = 0.0907 W/kg



0 dB = 0.0907 W/kg = -10.42 dBW/kg

Test Laboratory: A Test Lab Techno Corp.

Date: 2014/9/11 Time: AM 10:37:12

**42\_Flat\_LTE Band5 BW 10M CH20450 QPSK with 1RB Size 0RB Offset\_side4 surface to phantom 10mm**

**DUT: 88 Tauri; Type: GSM/WCDMA/LTE Android Smartphone; Serial: 356537050191189**

Communication System: UID 0, Generic LTE (0); Frequency: 829 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 829 \text{ MHz}$ ;  $\sigma = 0.982 \text{ S/m}$ ;  $\epsilon_r = 55.325$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977; ConvF(9.74, 9.74, 9.74); Calibrated: 2014/2/17;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2014/2/25
- Phantom: SAM with CRP; Type: SAM; Serial: TP-1150 and higher
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Flat/Area Scan (61x81x1):**

Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.0849 W/kg

**Flat/Zoom Scan (5x5x7)/Cube 0:**

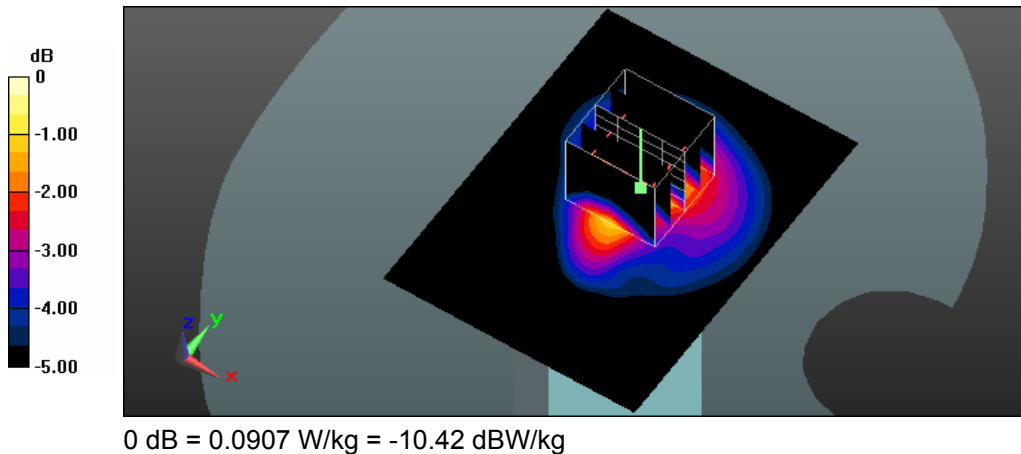
Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 9.116 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 0.104 W/kg

**SAR(1 g) = 0.072 W/kg; SAR(10 g) = 0.047 W/kg**

Maximum value of SAR (measured) = 0.0907 W/kg



Test Laboratory: A Test Lab Techno Corp.

Date: 2014/9/11 Time: AM 11:18:12

**44\_Flat\_LTE Band5 BW 10M CH20450 QPSK with 1RB Size 0RB Offset\_side6 surface to phantom 10mm**

**DUT: 88 Tauri; Type: GSM/WCDMA/LTE Android Smartphone; Serial: 356537050191189**

Communication System: UID 0, Generic LTE (0); Frequency: 829 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 829 \text{ MHz}$ ;  $\sigma = 0.982 \text{ S/m}$ ;  $\epsilon_r = 55.325$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977; ConvF(9.74, 9.74, 9.74); Calibrated: 2014/2/17;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2014/2/25
- Phantom: SAM with CRP; Type: SAM; Serial: TP-1150 and higher
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Flat/Area Scan (61x131x1):**

Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.204 W/kg

**Flat/Zoom Scan (5x5x7)/Cube 0:**

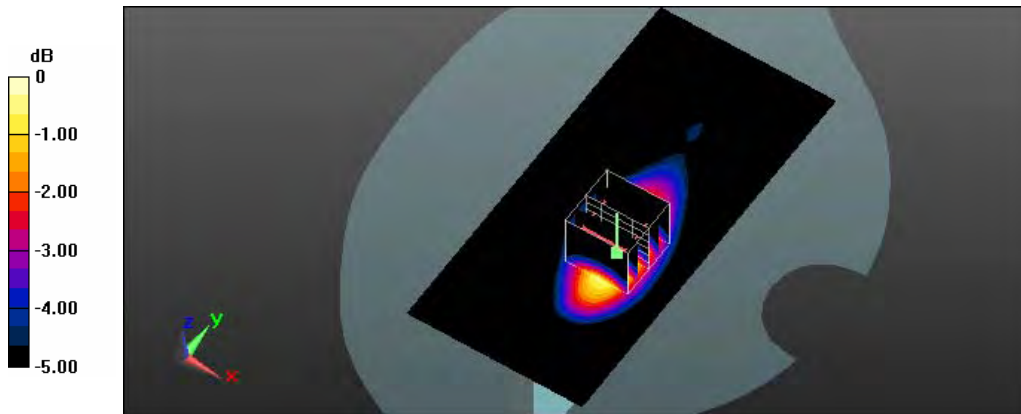
Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 12.066 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.240 W/kg

**SAR(1 g) = 0.167 W/kg; SAR(10 g) = 0.113 W/kg**

Maximum value of SAR (measured) = 0.207 W/kg



Test Laboratory: A Test Lab Techno Corp.

Date: 2014/9/11 Time: PM 01:47:25

**45\_Flat\_LTE Band5 BW 10M CH20450 QPSK with 25RB Size 0RB Offset\_side1 surface to phantom 10mm**

**DUT: 88 Tauri; Type: GSM/WCDMA/LTE Android Smartphone; Serial: 356537050191189**

Communication System: UID 0, Generic LTE (0); Frequency: 829 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 829 \text{ MHz}$ ;  $\sigma = 0.982 \text{ S/m}$ ;  $\epsilon_r = 55.325$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977; ConvF(9.74, 9.74, 9.74); Calibrated: 2014/2/17;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2014/2/25
- Phantom: SAM with CRP; Type: SAM; Serial: TP-1150 and higher
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Flat/Area Scan (81x131x1):**

Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.286 W/kg

**Flat/Zoom Scan (5x5x7)/Cube 0:**

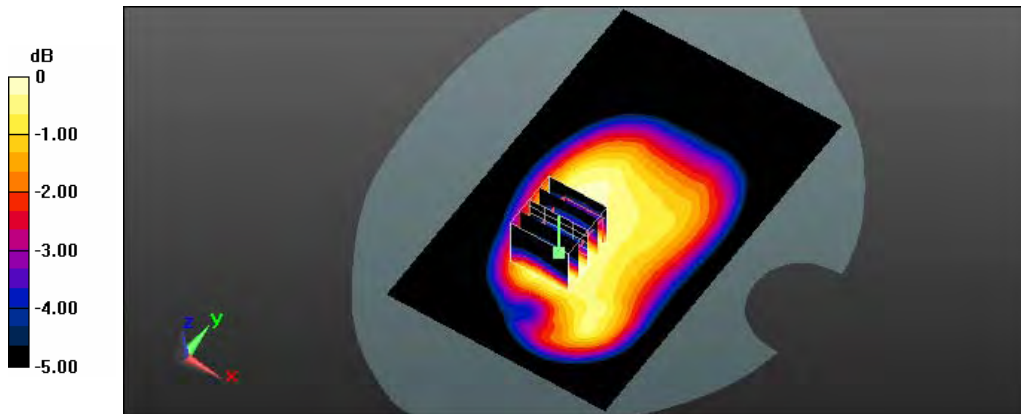
Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 16.621 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.322 W/kg

**SAR(1 g) = 0.250 W/kg; SAR(10 g) = 0.193 W/kg**

Maximum value of SAR (measured) = 0.287 W/kg



0 dB = 0.287 W/kg = -5.42 dBW/kg

Test Laboratory: A Test Lab Techno Corp.

Date: 2014/9/11 Time: PM 01:24:36

**46\_Flat\_LTE Band5 BW 10M CH20450 QPSK with 25RB Size 0RB Offset\_side2 surface to phantom 10mm**

**DUT: 88 Tauri; Type: GSM/WCDMA/LTE Android Smartphone; Serial: 356537050191189**

Communication System: UID 0, Generic LTE (0); Frequency: 829 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 829 \text{ MHz}$ ;  $\sigma = 0.982 \text{ S/m}$ ;  $\epsilon_r = 55.325$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977; ConvF(9.74, 9.74, 9.74); Calibrated: 2014/2/17;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2014/2/25
- Phantom: SAM with CRP; Type: SAM; Serial: TP-1150 and higher
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Flat/Area Scan (81x131x1):**

Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

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

**Flat/Zoom Scan (5x5x7)/Cube 0:**

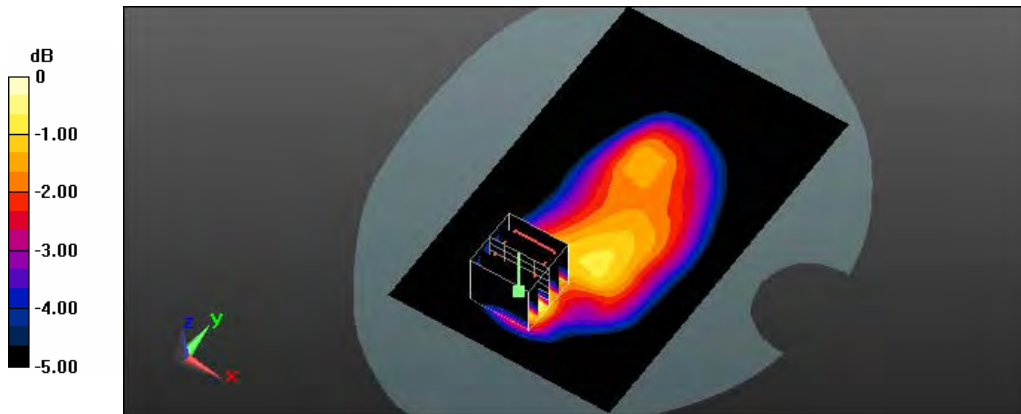
Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 14.083 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 0.351 W/kg

**SAR(1 g) = 0.232 W/kg; SAR(10 g) = 0.150 W/kg**

Maximum value of SAR (measured) = 0.294 W/kg



0 dB = 0.294 W/kg = -5.32 dBW/kg

Test Laboratory: A Test Lab Techno Corp.

Date: 2014/9/11 Time: PM 01:07:02

**47\_Flat\_LTE Band5 BW 10M CH20450 QPSK with 25RB Size 0RB Offset\_side4 surface to phantom 10mm**

**DUT: 88 Tauri; Type: GSM/WCDMA/LTE Android Smartphone; Serial: 356537050191189**

Communication System: UID 0, Generic LTE (0); Frequency: 829 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 829 \text{ MHz}$ ;  $\sigma = 0.982 \text{ S/m}$ ;  $\epsilon_r = 55.325$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977; ConvF(9.74, 9.74, 9.74); Calibrated: 2014/2/17;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2014/2/25
- Phantom: SAM with CRP; Type: SAM; Serial: TP-1150 and higher
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Flat/Area Scan (61x81x1):**

Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.0660 W/kg

**Flat/Zoom Scan (5x5x7)/Cube 0:**

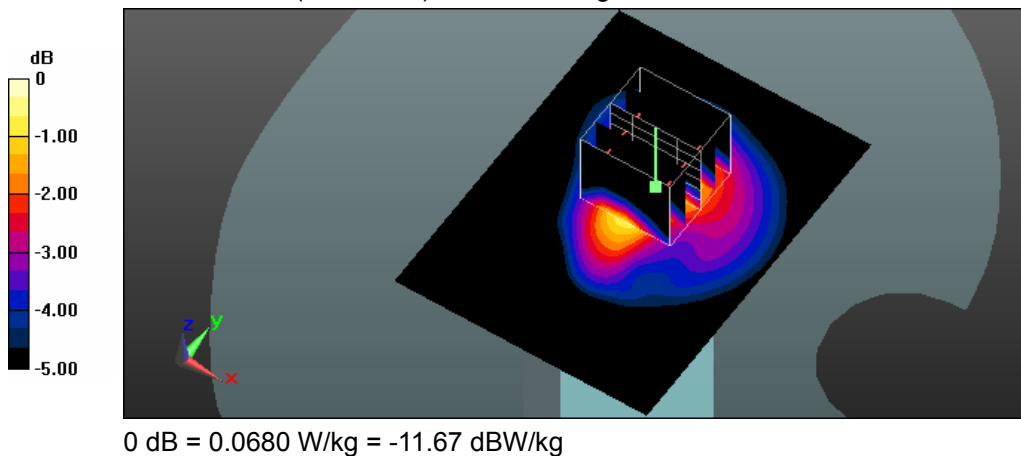
Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 8.172 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 0.0800 W/kg

**SAR(1 g) = 0.055 W/kg; SAR(10 g) = 0.035 W/kg**

Maximum value of SAR (measured) = 0.0680 W/kg





Test Laboratory: A Test Lab Techno Corp.

Date: 2014/9/11 Time: AM 11:56:32

**48\_Flat\_LTE Band5 BW 10M CH20450 QPSK with 25RB Size 0RB Offset\_side5 surface to phantom 10mm**

**DUT: 88 Tauri; Type: GSM/WCDMA/LTE Android Smartphone; Serial: 356537050191189**

Communication System: UID 0, Generic LTE (0); Frequency: 829 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 829 \text{ MHz}$ ;  $\sigma = 0.982 \text{ S/m}$ ;  $\epsilon_r = 55.325$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977; ConvF(9.74, 9.74, 9.74); Calibrated: 2014/2/17;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2014/2/25
- Phantom: SAM with CRP; Type: SAM; Serial: TP-1150 and higher
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Flat/Area Scan (61x131x1):**

Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.225 W/kg

**Flat/Zoom Scan (5x5x7)/Cube 0:**

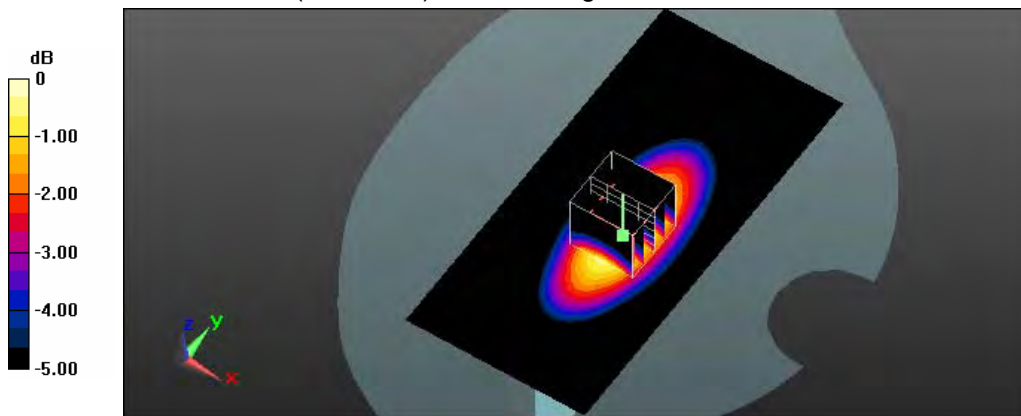
Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 14.442 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 0.264 W/kg

**SAR(1 g) = 0.184 W/kg; SAR(10 g) = 0.126 W/kg**

Maximum value of SAR (measured) = 0.228 W/kg



0 dB = 0.228 W/kg = -6.42 dBW/kg



Test Laboratory: A Test Lab Techno Corp.

Date: 2014/9/11 Time: AM 11:37:05

**49\_Flat\_LTE Band5 BW 10M CH20450 QPSK with 25RB Size 0RB Offset\_side6 surface to phantom 10mm**

**DUT: 88 Tauri; Type: GSM/WCDMA/LTE Android Smartphone; Serial: 356537050191189**

Communication System: UID 0, Generic LTE (0); Frequency: 829 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 829 \text{ MHz}$ ;  $\sigma = 0.982 \text{ S/m}$ ;  $\epsilon_r = 55.325$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977; ConvF(9.74, 9.74, 9.74); Calibrated: 2014/2/17;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2014/2/25
- Phantom: SAM with CRP; Type: SAM; Serial: TP-1150 and higher
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Flat/Area Scan (61x131x1):**

Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.151 W/kg

**Flat/Zoom Scan (5x5x7)/Cube 0:**

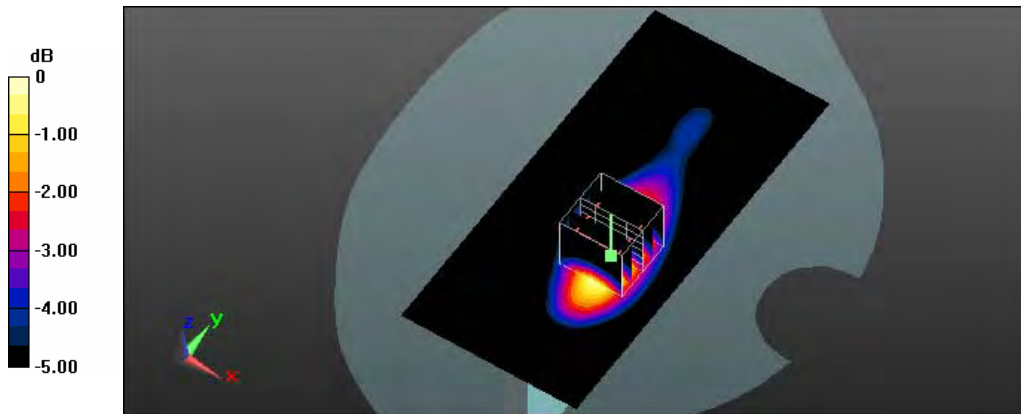
Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 10.326 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 0.176 W/kg

**SAR(1 g) = 0.121 W/kg; SAR(10 g) = 0.082 W/kg**

Maximum value of SAR (measured) = 0.151 W/kg



0 dB = 0.151 W/kg = -8.21 dBW/kg

Test Laboratory: A Test Lab Techno Corp.

Date: 2014/9/14 Time: PM 08:45:34

**154\_Flat\_LTE Band4 BW 20M CH20175 QPSK with 1RB Size 0RB Offset\_Original #153\_headset\_side1 surface to phantom 10mm\_measurement once**

**DUT: 88 Tauri; Type: GSM/WCDMA/LTE Android Smartphone; Serial: 356537050191189**

Communication System: UID 0, Generic LTE (0); Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 1732.5 \text{ MHz}$ ;  $\sigma = 1.506 \text{ S/m}$ ;  $\epsilon_r = 54.605$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977; ConvF(7.69, 7.69, 7.69); Calibrated: 2014/2/17;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2014/2/25
- Phantom: SAM with CRP; Type: SAM; Serial: TP-1150 and higher
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Flat/Area Scan (81x131x1):**

Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 1.09 W/kg

**Flat/Zoom Scan (5x5x7)/Cube 0:**

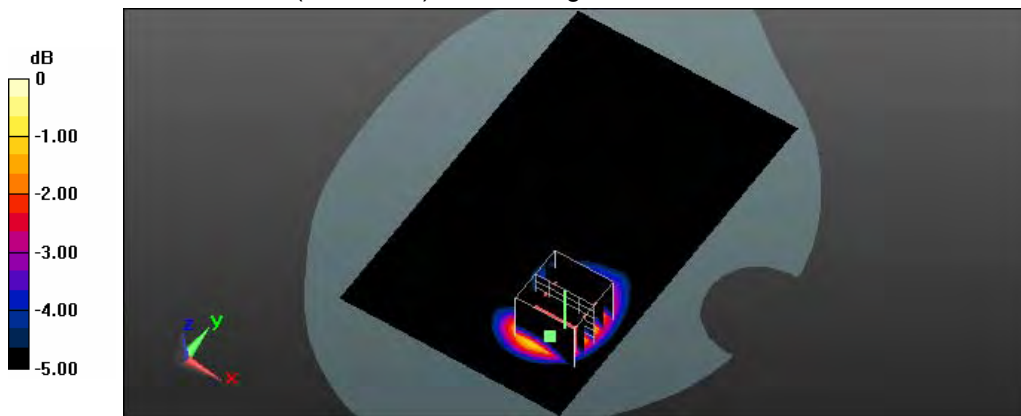
Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 9.945 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 1.28 W/kg

**SAR(1 g) = 0.806 W/kg; SAR(10 g) = 0.486 W/kg**

Maximum value of SAR (measured) = 1.05 W/kg



0 dB = 1.05 W/kg = 0.21 dBW/kg

Test Laboratory: A Test Lab Techno Corp.

Date: 2014/9/23 Time: AM 12:06:55

**178\_Flat\_802.11b CH1\_1M\_side1 surface to phantom 10mm**

**DUT: 88 Tauri; Type: GSM/WCDMA/LTE Android Smartphone; Serial: 356537050191189**

Communication System: UID 0, IEEE 802.11b (0); Frequency: 2412 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 2412 \text{ MHz}$ ;  $\sigma = 1.927 \text{ S/m}$ ;  $\epsilon_r = 53.982$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977; ConvF(6.97, 6.97, 6.97); Calibrated: 2014/2/17;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2014/2/25
- Phantom: SAM with CRP; Type: SAM; Serial: TP-1150 and higher
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Flat/Area Scan (121x191x1):**

Interpolated grid:  $dx=1.000 \text{ mm}$ ,  $dy=1.000 \text{ mm}$

Maximum value of SAR (interpolated) = 0.0285 W/kg

**Flat/Zoom Scan (7x7x7)/Cube 0:**

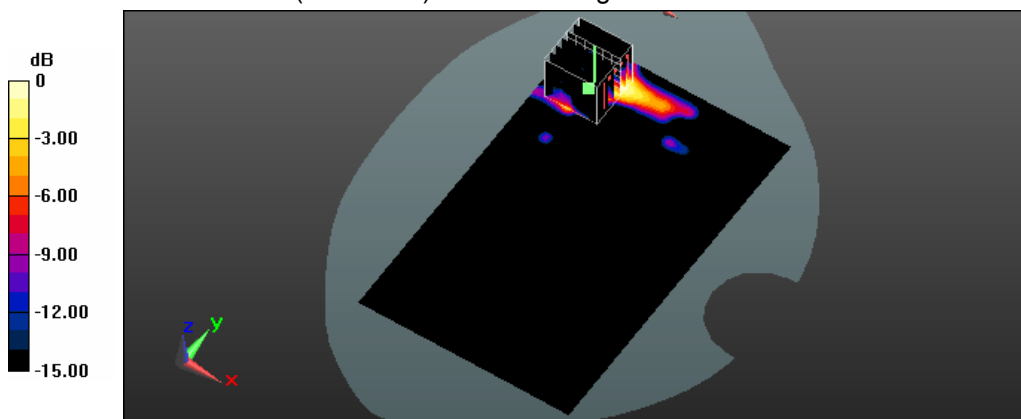
Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 0.272 V/m; Power Drift = -0.00 dB

Peak SAR (extrapolated) = 0.0960 W/kg

**SAR(1 g) = 0.016 W/kg; SAR(10 g) = 0.00616 W/kg**

Maximum value of SAR (measured) = 0.0256 W/kg



0 dB = 0.0256 W/kg = -15.92 dBW/kg

Test Laboratory: A Test Lab Techno Corp.

Date: 2014/9/23 Time: AM 12:50:54

**179\_Flat\_802.11b CH1\_1M\_side2 surface to phantom 10mm**

**DUT: 88 Tauri; Type: GSM/WCDMA/LTE Android Smartphone; Serial: 356537050191189**

Communication System: UID 0, IEEE 802.11b (0); Frequency: 2412 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 2412 \text{ MHz}$ ;  $\sigma = 1.927 \text{ S/m}$ ;  $\epsilon_r = 53.982$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977; ConvF(6.97, 6.97, 6.97); Calibrated: 2014/2/17;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2014/2/25
- Phantom: SAM with CRP; Type: SAM; Serial: TP-1150 and higher
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Flat/Area Scan (121x191x1):**

Interpolated grid:  $dx=1.000 \text{ mm}$ ,  $dy=1.000 \text{ mm}$

Maximum value of SAR (interpolated) = 0.0393 W/kg

**Flat/Zoom Scan (7x7x7)/Cube 0:**

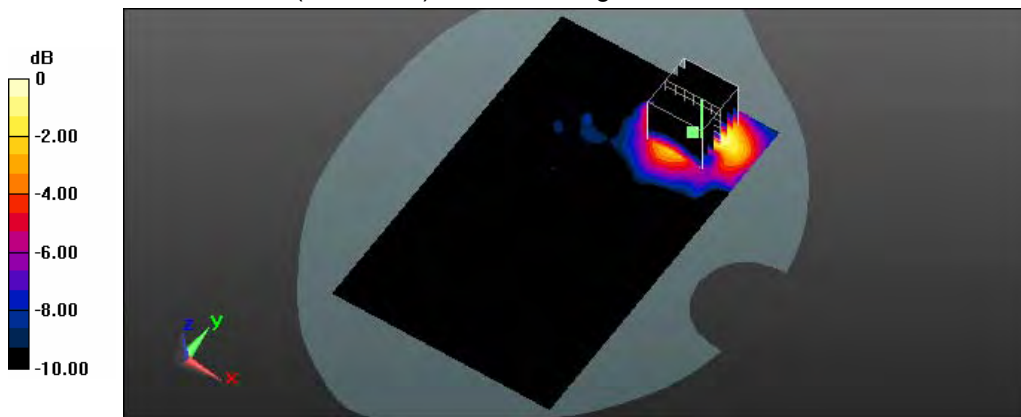
Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 0.968 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 0.0540 W/kg

**SAR(1 g) = 0.027 W/kg; SAR(10 g) = 0.013 W/kg**

Maximum value of SAR (measured) = 0.0392 W/kg



0 dB = 0.0392 W/kg = -14.07 dBW/kg

Test Laboratory: A Test Lab Techno Corp.

Date: 2014/9/23 Time: AM 01:35:04

**180\_Flat\_802.11b CH1\_1M\_side3 surface to phantom 10mm**

**DUT: 88 Tauri; Type: GSM/WCDMA/LTE Android Smartphone; Serial: 356537050191189**

Communication System: UID 0, IEEE 802.11b (0); Frequency: 2412 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 2412 \text{ MHz}$ ;  $\sigma = 1.927 \text{ S/m}$ ;  $\epsilon_r = 53.982$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977; ConvF(6.97, 6.97, 6.97); Calibrated: 2014/2/17;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2014/2/25
- Phantom: SAM with CRP; Type: SAM; Serial: TP-1150 and higher
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Flat/Area Scan (91x121x1):**

Interpolated grid:  $dx=1.000 \text{ mm}$ ,  $dy=1.000 \text{ mm}$

Maximum value of SAR (interpolated) = 0.0229 W/kg

**Flat/Zoom Scan (7x7x7)/Cube 0:**

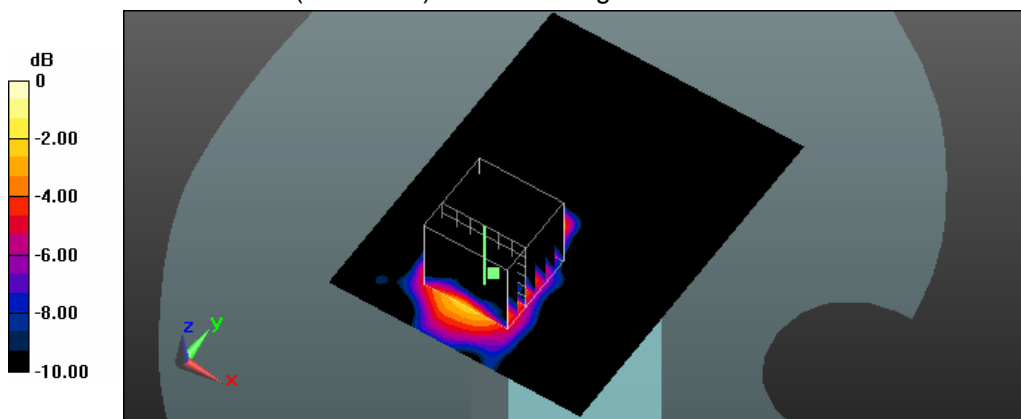
Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 1.452 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 0.0360 W/kg

**SAR(1 g) = 0.017 W/kg; SAR(10 g) = 0.00739 W/kg**

Maximum value of SAR (measured) = 0.0264 W/kg



0 dB = 0.0264 W/kg = -15.78 dBW/kg

Test Laboratory: A Test Lab Techno Corp.

Date: 2014/9/23 Time: AM 02:04:53

**181\_Flat\_802.11b CH1\_1M\_side5 surface to phantom 10mm**

**DUT: 88 Tauri; Type: GSM/WCDMA/LTE Android Smartphone; Serial: 356537050191189**

Communication System: UID 0, IEEE 802.11b (0); Frequency: 2412 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 2412 \text{ MHz}$ ;  $\sigma = 1.927 \text{ S/m}$ ;  $\epsilon_r = 53.982$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977; ConvF(6.97, 6.97, 6.97); Calibrated: 2014/2/17;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2014/2/25
- Phantom: SAM with CRP; Type: SAM; Serial: TP-1150 and higher
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Flat/Area Scan (91x191x1):**

Interpolated grid:  $dx=1.000 \text{ mm}$ ,  $dy=1.000 \text{ mm}$

Maximum value of SAR (interpolated) = 0.0376 W/kg

**Flat/Zoom Scan (7x7x7)/Cube 0:**

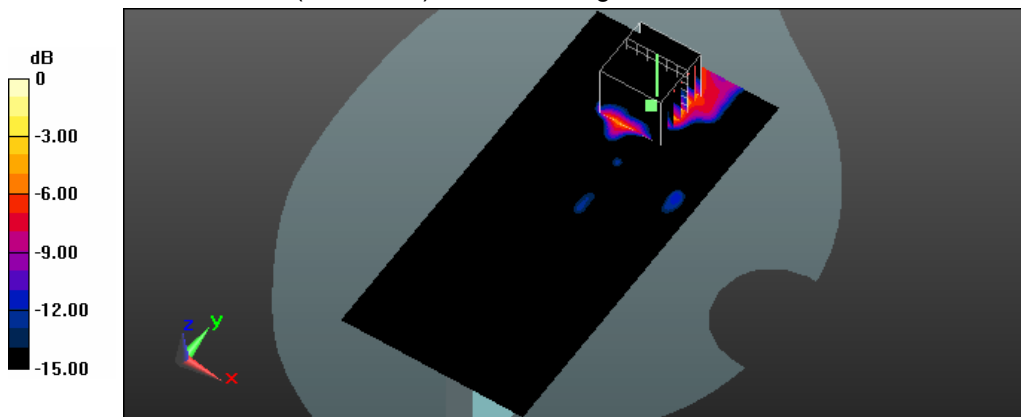
Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 0.817 V/m; Power Drift = -0.00 dB

Peak SAR (extrapolated) = 0.0770 W/kg

**SAR(1 g) = 0.021 W/kg; SAR(10 g) = 0.00799 W/kg**

Maximum value of SAR (measured) = 0.0339 W/kg



0 dB = 0.0339 W/kg = -14.70 dBW/kg

Test Laboratory: A Test Lab Techno Corp.

Date: 2014/9/23 Time: AM 09:49:35

**182\_Flat\_802.11g CH6\_6M\_side1 surface to phantom 10mm**

**DUT: 88 Tauri; Type: GSM/WCDMA/LTE Android Smartphone; Serial: 356537050191189**

Communication System: UID 0, IEEE 802.11g (0); Frequency: 2437 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 2437 \text{ MHz}$ ;  $\sigma = 1.988 \text{ S/m}$ ;  $\epsilon_r = 54.297$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977; ConvF(6.97, 6.97, 6.97); Calibrated: 2014/2/17;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2014/2/25
- Phantom: SAM with CRP; Type: SAM; Serial: TP-1150 and higher
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Flat/Area Scan (121x191x1):**

Interpolated grid:  $dx=1.000 \text{ mm}$ ,  $dy=1.000 \text{ mm}$

Maximum value of SAR (interpolated) = 0.0820 W/kg

**Flat/Zoom Scan (7x7x7)/Cube 0:**

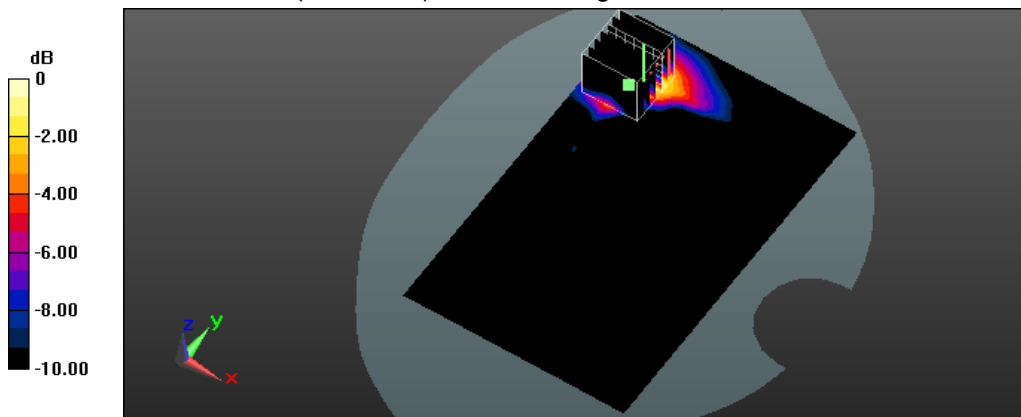
Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 0 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.111 W/kg

**SAR(1 g) = 0.055 W/kg; SAR(10 g) = 0.026 W/kg**

Maximum value of SAR (measured) = 0.0801 W/kg



0 dB = 0.0801 W/kg = -10.96 dBW/kg

Test Laboratory: A Test Lab Techno Corp.

Date: 2014/9/23 Time: AM 11:11:37

**183\_Flat\_802.11g CH6\_6M\_side2 surface to phantom 10mm**

**DUT: 88 Tauri; Type: GSM/WCDMA/LTE Android Smartphone; Serial: 356537050191189**

Communication System: UID 0, IEEE 802.11g (0); Frequency: 2437 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 2437 \text{ MHz}$ ;  $\sigma = 1.988 \text{ S/m}$ ;  $\epsilon_r = 54.297$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977; ConvF(6.97, 6.97, 6.97); Calibrated: 2014/2/17;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2014/2/25
- Phantom: SAM with CRP; Type: SAM; Serial: TP-1150 and higher
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Flat/Area Scan (121x191x1):**

Interpolated grid:  $dx=1.000 \text{ mm}$ ,  $dy=1.000 \text{ mm}$

Maximum value of SAR (interpolated) = 0.136 W/kg

**Flat/Zoom Scan (7x7x7)/Cube 0:**

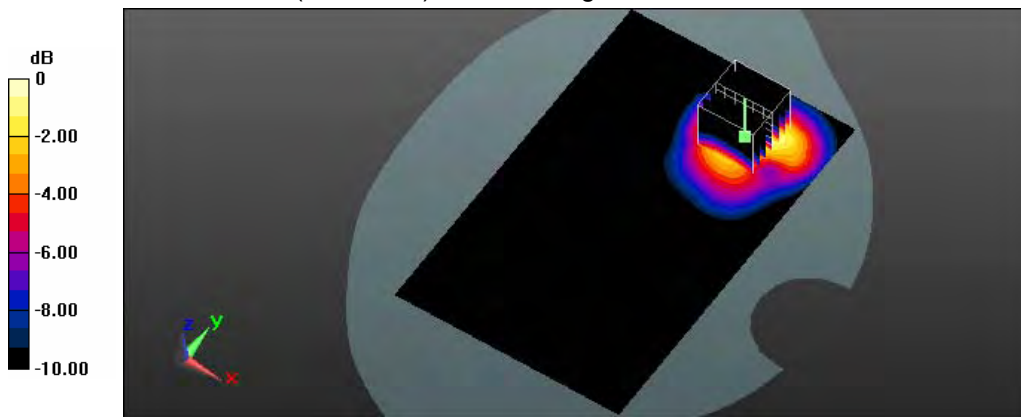
Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 1.930 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 0.186 W/kg

**SAR(1 g) = 0.098 W/kg; SAR(10 g) = 0.051 W/kg**

Maximum value of SAR (measured) = 0.140 W/kg



0 dB = 0.140 W/kg = -8.54 dBW/kg



Test Laboratory: A Test Lab Techno Corp.

Date: 2014/9/23 Time: PM 01:06:46

**184\_Flat\_802.11g\_CH6\_6M\_side3 surface to phantom 10mm**

**DUT: 88 Tauri; Type: GSM/WCDMA/LTE Android Smartphone; Serial: 356537050191189**

Communication System: UID 0, IEEE 802.11g (0); Frequency: 2437 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 2437 \text{ MHz}$ ;  $\sigma = 1.988 \text{ S/m}$ ;  $\epsilon_r = 54.297$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977; ConvF(6.97, 6.97, 6.97); Calibrated: 2014/2/17;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2014/2/25
- Phantom: SAM with CRP; Type: SAM; Serial: TP-1150 and higher
- Measurement SW: DASYS2, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Flat/Area Scan (91x121x1):**

Interpolated grid:  $dx=1.000 \text{ mm}$ ,  $dy=1.000 \text{ mm}$

Maximum value of SAR (interpolated) = 0.0850 W/kg

**Flat/Zoom Scan (7x7x7)/Cube 0:**

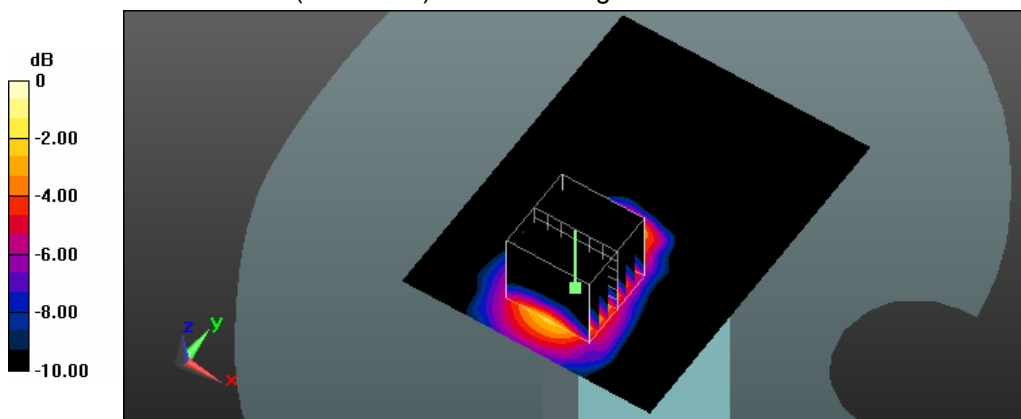
Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 3.342 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 0.118 W/kg

**SAR(1 g) = 0.062 W/kg; SAR(10 g) = 0.031 W/kg**

Maximum value of SAR (measured) = 0.0890 W/kg



0 dB = 0.0890 W/kg = -10.51 dBW/kg

Test Laboratory: A Test Lab Techno Corp.

Date: 2014/9/23 Time: PM 01:41:42

**185\_Flat\_802.11g CH6\_6M\_side5 surface to phantom 10mm**

**DUT: 88 Tauri; Type: GSM/WCDMA/LTE Android Smartphone; Serial: 356537050191189**

Communication System: UID 0, IEEE 802.11g (0); Frequency: 2437 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 2437 \text{ MHz}$ ;  $\sigma = 1.988 \text{ S/m}$ ;  $\epsilon_r = 54.297$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977; ConvF(6.97, 6.97, 6.97); Calibrated: 2014/2/17;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2014/2/25
- Phantom: SAM with CRP; Type: SAM; Serial: TP-1150 and higher
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Flat/Area Scan (91x191x1):**

Interpolated grid:  $dx=1.000 \text{ mm}$ ,  $dy=1.000 \text{ mm}$

Maximum value of SAR (interpolated) = 0.133 W/kg

**Flat/Zoom Scan (7x7x7)/Cube 0:**

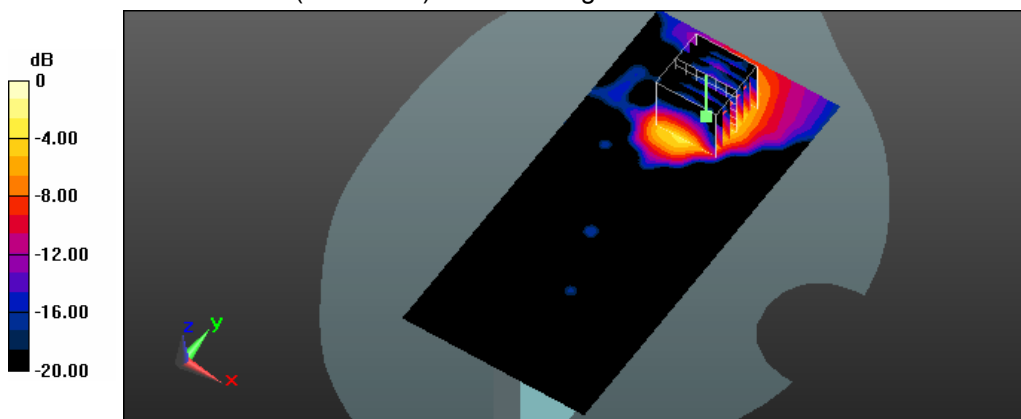
Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 0.773 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.169 W/kg

**SAR(1 g) = 0.083 W/kg; SAR(10 g) = 0.037 W/kg**

Maximum value of SAR (measured) = 0.125 W/kg



0 dB = 0.125 W/kg = -9.03 dBW/kg

Test Laboratory: A Test Lab Techno Corp.

Date: 2014/9/23 Time: PM 03:28:55

**186\_Flat\_802.11n HT20 CH6\_6.5M\_side1 surface to phantom 10mm**

**DUT: 88 Tauri; Type: GSM/WCDMA/LTE Android Smartphone; Serial: 356537050191189**

Communication System: UID 0, IEEE 802.11n(2.4GHz) (0); Frequency: 2437 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 2437 \text{ MHz}$ ;  $\sigma = 1.988 \text{ S/m}$ ;  $\epsilon_r = 54.297$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977; ConvF(6.97, 6.97, 6.97); Calibrated: 2014/2/17;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2014/2/25
- Phantom: SAM with CRP; Type: SAM; Serial: TP-1150 and higher
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Flat/Area Scan (121x191x1):**

Interpolated grid:  $dx=1.000 \text{ mm}$ ,  $dy=1.000 \text{ mm}$

Maximum value of SAR (interpolated) = 0.0585 W/kg

**Flat/Zoom Scan (7x7x7)/Cube 0:**

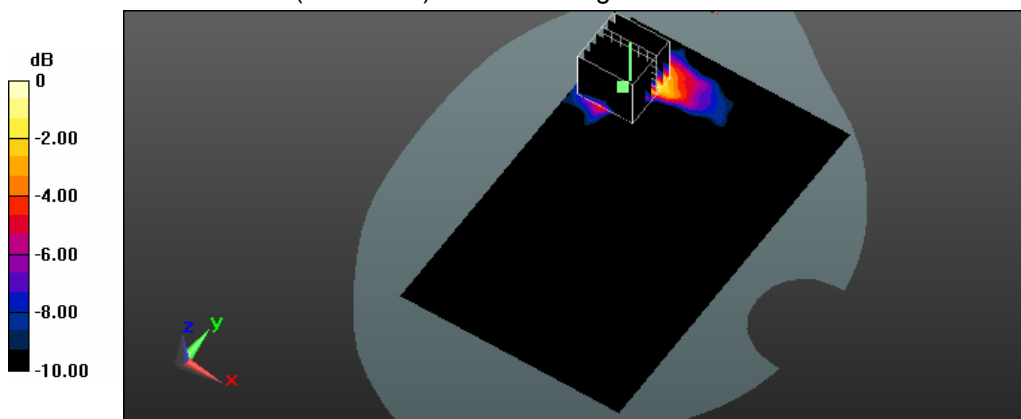
Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 0 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.0770 W/kg

**SAR(1 g) = 0.036 W/kg; SAR(10 g) = 0.016 W/kg**

Maximum value of SAR (measured) = 0.0566 W/kg



0 dB = 0.0566 W/kg = -12.47 dBW/kg

Test Laboratory: A Test Lab Techno Corp.

Date: 2014/9/23 Time: PM 04:18:14

**187\_Flat\_802.11n HT20 CH6\_6.5M\_side2 surface to phantom 10mm**

**DUT: 88 Tauri; Type: GSM/WCDMA/LTE Android Smartphone; Serial: 356537050191189**

Communication System: UID 0, IEEE 802.11n(2.4GHz) (0); Frequency: 2437 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 2437 \text{ MHz}$ ;  $\sigma = 1.988 \text{ S/m}$ ;  $\epsilon_r = 54.297$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977; ConvF(6.97, 6.97, 6.97); Calibrated: 2014/2/17;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2014/2/25
- Phantom: SAM with CRP; Type: SAM; Serial: TP-1150 and higher
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

#### **Flat/Area Scan (121x191x1):**

Interpolated grid:  $dx=1.000 \text{ mm}$ ,  $dy=1.000 \text{ mm}$

Maximum value of SAR (interpolated) = 0.102 W/kg

#### **Flat/Zoom Scan (7x7x7)/Cube 0:**

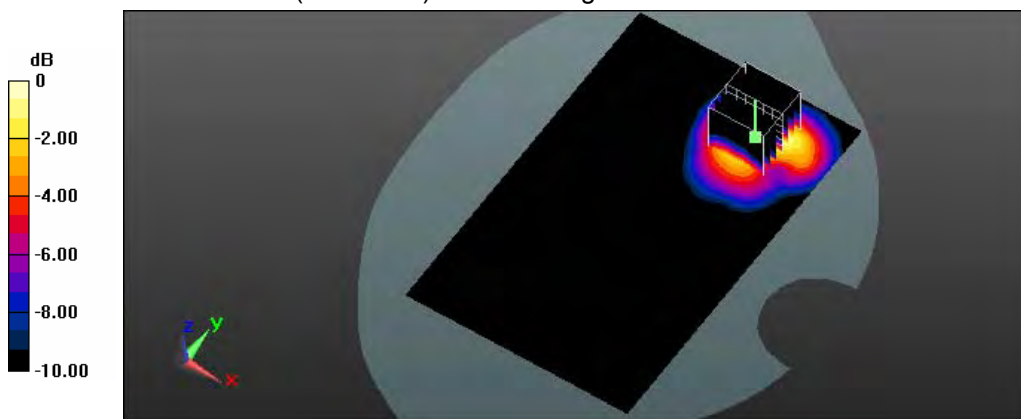
Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 1.676 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.140 W/kg

**SAR(1 g) = 0.072 W/kg; SAR(10 g) = 0.037 W/kg**

Maximum value of SAR (measured) = 0.103 W/kg



0 dB = 0.103 W/kg = -9.87 dBW/kg

Test Laboratory: A Test Lab Techno Corp.

Date: 2014/9/23 Time: PM 05:07:07

**188\_Flat\_802.11n HT20 CH6\_6.5M\_side3 surface to phantom 10mm**

**DUT: 88 Tauri; Type: GSM/WCDMA/LTE Android Smartphone; Serial: 356537050191189**

Communication System: UID 0, IEEE 802.11n(2.4GHz) (0); Frequency: 2437 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 2437$  MHz;  $\sigma = 1.988$  S/m;  $\epsilon_r = 54.297$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977; ConvF(6.97, 6.97, 6.97); Calibrated: 2014/2/17;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2014/2/25
- Phantom: SAM with CRP; Type: SAM; Serial: TP-1150 and higher
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Flat/Area Scan (91x121x1):**

Interpolated grid:  $dx=1.000$  mm,  $dy=1.000$  mm

Maximum value of SAR (interpolated) = 0.0605 W/kg

**Flat/Zoom Scan (7x7x7)/Cube 0:**

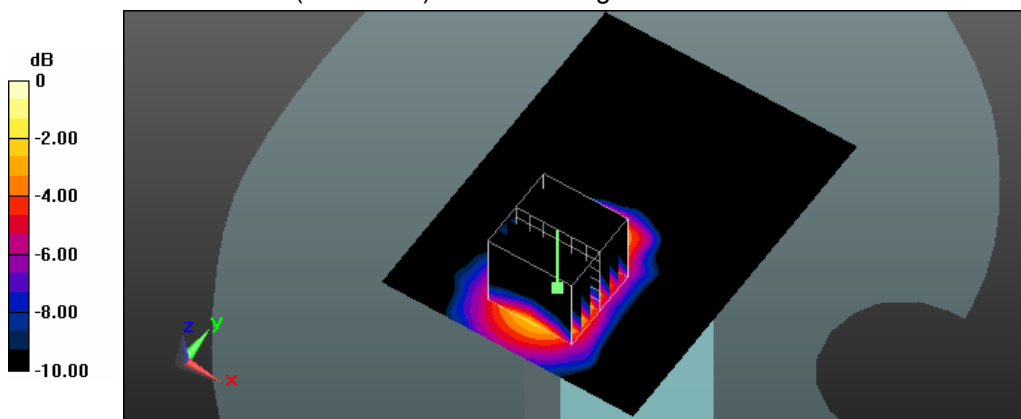
Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 2.904 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 0.0820 W/kg

**SAR(1 g) = 0.041 W/kg; SAR(10 g) = 0.020 W/kg**

Maximum value of SAR (measured) = 0.0596 W/kg



0 dB = 0.0596 W/kg = -12.25 dBW/kg

Test Laboratory: A Test Lab Techno Corp.

Date: 2014/9/23 Time: PM 02:47:56

**189\_Flat\_802.11n HT20 CH6\_6.5M\_side5 surface to phantom 10mm**

**DUT: 88 Tauri; Type: GSM/WCDMA/LTE Android Smartphone; Serial: 356537050191189**

Communication System: UID 0, IEEE 802.11n(2.4GHz) (0); Frequency: 2437 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 2437 \text{ MHz}$ ;  $\sigma = 1.988 \text{ S/m}$ ;  $\epsilon_r = 54.297$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977; ConvF(6.97, 6.97, 6.97); Calibrated: 2014/2/17;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2014/2/25
- Phantom: SAM with CRP; Type: SAM; Serial: TP-1150 and higher
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

#### **Flat/Area Scan (91x191x1):**

Interpolated grid:  $dx=1.000 \text{ mm}$ ,  $dy=1.000 \text{ mm}$

Maximum value of SAR (interpolated) = 0.0886 W/kg

#### **Flat/Zoom Scan (7x7x7)/Cube 0:**

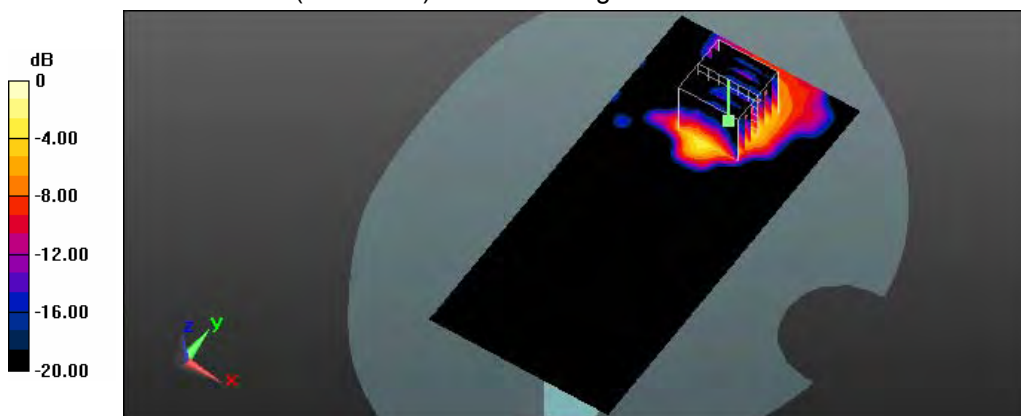
Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 0 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.120 W/kg

**SAR(1 g) = 0.056 W/kg; SAR(10 g) = 0.025 W/kg**

Maximum value of SAR (measured) = 0.0870 W/kg



0 dB = 0.0870 W/kg = -10.60 dBW/kg

Test Laboratory: A Test Lab Techno Corp.

Date: 2014/9/24 Time: AM 10:51:53

**190\_Flat\_BT3.0 CH39\_1M\_DH5\_side1 surface to phantom 10mm**

**DUT: 88 Tauri; Type: GSM/WCDMA/LTE Android Smartphone; Serial: 356537050191189**

Communication System: UID 0, Bluetooth (0); Frequency: 2441 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 2441 \text{ MHz}$ ;  $\sigma = 1.989 \text{ S/m}$ ;  $\epsilon_r = 54.352$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977; ConvF(6.97, 6.97, 6.97); Calibrated: 2014/2/17;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2014/2/25
- Phantom: SAM with CRP; Type: SAM; Serial: TP-1150 and higher
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Flat/Area Scan (121x191x1):**

Interpolated grid:  $dx=1.000 \text{ mm}$ ,  $dy=1.000 \text{ mm}$

Maximum value of SAR (interpolated) = 0.0142 W/kg

**Flat/Zoom Scan (7x7x7)/Cube 0:**

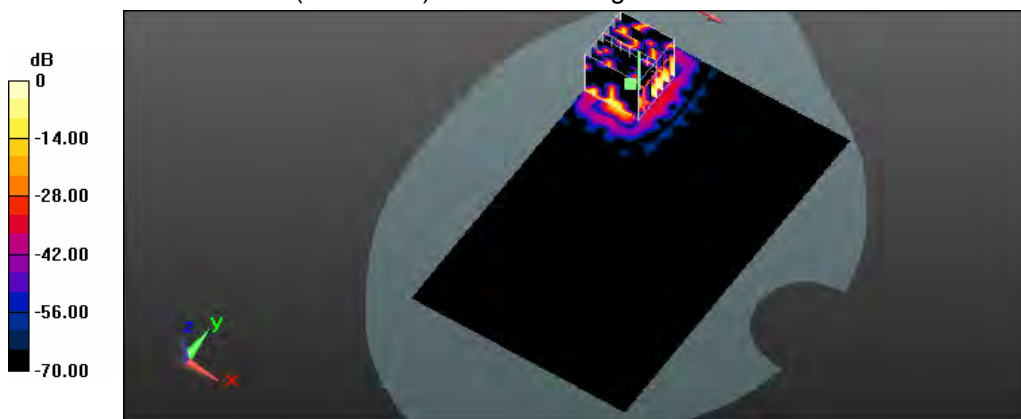
Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 0 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.0190 W/kg

**SAR(1 g) = 0.00431 W/kg; SAR(10 g) = 0.00122 W/kg**

Maximum value of SAR (measured) = 0.00837 W/kg



0 dB = 0.00837 W/kg = -20.77 dBW/kg

Test Laboratory: A Test Lab Techno Corp.

Date: 2014/9/24 Time: AM 11:36:03

**191\_Flat\_BT3.0 CH39\_1M\_DH5\_side2 surface to phantom 10mm**

**DUT: 88 Tauri; Type: GSM/WCDMA/LTE Android Smartphone; Serial: 356537050191189**

Communication System: UID 0, Bluetooth (0); Frequency: 2441 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 2441 \text{ MHz}$ ;  $\sigma = 1.989 \text{ S/m}$ ;  $\epsilon_r = 54.352$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977; ConvF(6.97, 6.97, 6.97); Calibrated: 2014/2/17;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2014/2/25
- Phantom: SAM with CRP; Type: SAM; Serial: TP-1150 and higher
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Flat/Area Scan (121x191x1):**

Interpolated grid:  $dx=1.000 \text{ mm}$ ,  $dy=1.000 \text{ mm}$

Maximum value of SAR (interpolated) = 0.0243 W/kg

**Flat/Zoom Scan (7x7x7)/Cube 0:**

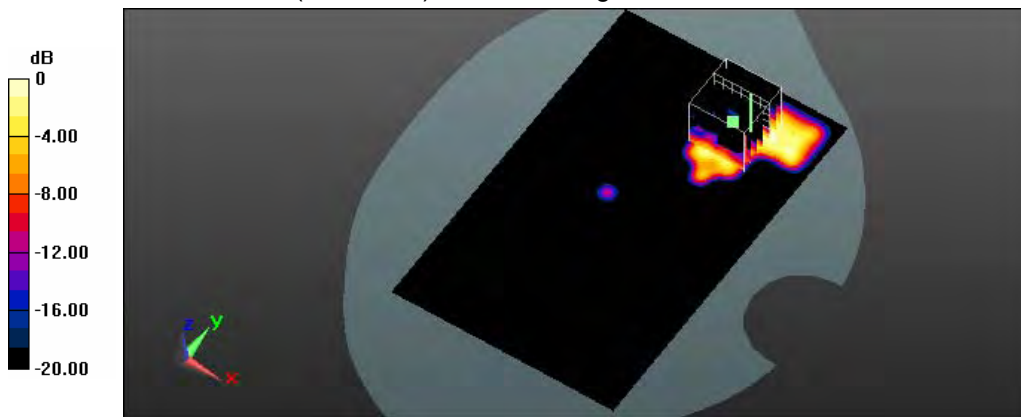
Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 0.152 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 0.0240 W/kg

**SAR(1 g) = 0.012 W/kg; SAR(10 g) = 0.00524 W/kg**

Maximum value of SAR (measured) = 0.0182 W/kg





Test Laboratory: A Test Lab Techno Corp.

Date: 2014/9/24 Time: PM 03:55:32

**192\_Flat\_BT\_LE CH19\_side1 surface to phantom 10mm**

**DUT: 88 Tauri; Type: GSM/WCDMA/LTE Android Smartphone; Serial: 356537050191189**

Communication System: UID 0, Bluetooth 4.0 (0); Frequency: 2440 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 2440 \text{ MHz}$ ;  $\sigma = 1.989 \text{ S/m}$ ;  $\epsilon_r = 54.337$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977; ConvF(6.97, 6.97, 6.97); Calibrated: 2014/2/17;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2014/2/25
- Phantom: SAM with CRP; Type: SAM; Serial: TP-1150 and higher
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Flat/Area Scan (121x191x1):**

Interpolated grid:  $dx=1.000 \text{ mm}$ ,  $dy=1.000 \text{ mm}$

Maximum value of SAR (interpolated) = 0.00705 W/kg

**Flat/Zoom Scan (7x7x7)/Cube 0:**

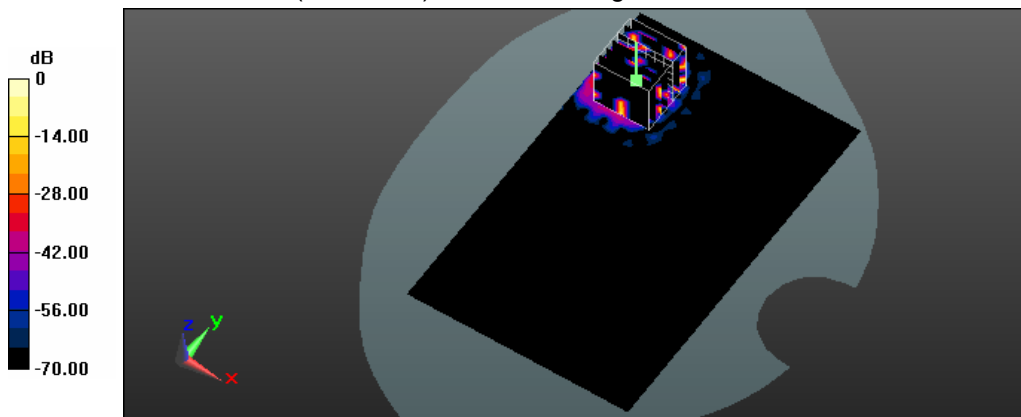
Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 0 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.0170 W/kg

**SAR(1 g) = 0.00256 W/kg; SAR(10 g) = 0.000482 W/kg**

Maximum value of SAR (measured) = 0.00677 W/kg



0 dB = 0.00677 W/kg = -21.69 dBW/kg

Test Laboratory: A Test Lab Techno Corp.

Date: 2014/9/24 Time: PM 04:41:11

**193\_Flat\_BT\_LE CH19\_side2 surface to phantom 10mm**

**DUT: 88 Tauri; Type: GSM/WCDMA/LTE Android Smartphone; Serial: 356537050191189**

Communication System: UID 0, Bluetooth 4.0 (0); Frequency: 2440 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 2440 \text{ MHz}$ ;  $\sigma = 1.989 \text{ S/m}$ ;  $\epsilon_r = 54.337$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977; ConvF(6.97, 6.97, 6.97); Calibrated: 2014/2/17;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2014/2/25
- Phantom: SAM with CRP; Type: SAM; Serial: TP-1150 and higher
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Flat/Area Scan (121x191x1):**

Interpolated grid:  $dx=1.000 \text{ mm}$ ,  $dy=1.000 \text{ mm}$

Maximum value of SAR (interpolated) = 0.0302 W/kg

**Flat/Zoom Scan (7x7x7)/Cube 0:**

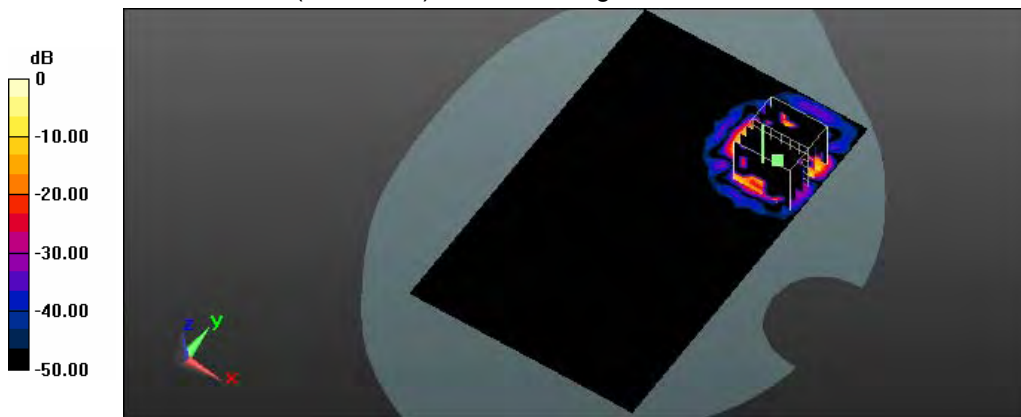
Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 0 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.0290 W/kg

**SAR(1 g) = 0.00749 W/kg; SAR(10 g) = 0.00256 W/kg**

Maximum value of SAR (measured) = 0.0166 W/kg



0 dB = 0.0166 W/kg = -17.80 dBW/kg

## ***Appendix C - Calibration***

All of the instruments Calibration information are listed below.

- Dipole \_ D835V2 SN:4d082 Calibration No.D835V2-4d082\_Jul14
- Dipole \_ D1750V2 SN:1023 Calibration No.D1750V2-1023\_Jun14
- Dipole \_ D1900V2 SN:5d111 Calibration No.D1900V2-5d111\_Jul14
- Dipole \_ D2450V2 SN:712 Calibration No.D2450V2-712\_Mar14
- Probe \_ EX3DV4 SN:3977 Calibration No.EX3-3977\_Feb14
- DAE \_ DAE4 SN:779 Calibration No.DAE4-779\_Feb14