



A Test Lab Techno Corp.

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SAR EVALUATION REPORT



Test Report No.	:	1204FS12-02
Applicant	:	LXE Inc
Product Type	:	Gobi2000 PCI Express Mini Card
Trade Name	:	LXE
Model Number	:	Gobi2000
Dates of Test	:	Mar. 23 ~ Apr. 05, 2012
Date of Issued	:	Apr. 20, 2012
Test Environment	:	Ambient Temperature : $22 \pm 2^{\circ}\text{C}$ Relative Humidity : 40 - 70 %
Standard	:	ANSI/IEEE C95.1-1999 IEEE Std. 1528-2003 47 CFR Part §2.1093; FCC/OET Bulletin 65 Supplement C [July 2001] RSS-102 Issue 4, March 2010 IEC62209-2 2010
Max. SAR	:	1.550 W/kg Body SAR
Test Lab Location	:	Chang-an Lab



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2. The test results are under chamber environment of A Test Lab Techno Corp. A Test Lab Techno Corp. does not assume responsibility for any conclusions and generalizations drawn from the test results with regard to other specimens or samples.
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1. Description of Equipment under Test (EUT)

Applicant	LXE Inc		
Applicant Address	125 Technology Parkway, Norcross, Georgia, United States 30092-9200		
Manufacture	Sierra Wireless Inc.		
Manufacture Address	13811 Wireless Way Richmond, BC, V6V 3A4 Canada		
Product Type	Gobi2000 PCI Express Mini Card		
Trade Name	LXE		
Model Number	Gobi2000		
FCC ID	KDZLXE-FX1WW		
IC	1995B-FX1WW		
Host Used	Marathon, FX1		
RF Function	GSM/GPRS/EGPRS 850 (Device Class B, Multi-slot Class 10) GSM/GPRS/EGPRS 1900 (Device Class B, Multi-slot Class 10) WCDMA(RMC 12.2K) / HSDPA / HSUPA Band II WCDMA(RMC 12.2K) / HSDPA / HSUPA Band V CDMA / 1xRTT / 1xEVDO Rev.0 / 1xEVDO Rev.A Cellular Band CDMA / 1xRTT / 1xEVDO Rev.0 / 1xEVDO Rev.A PCS Band		
Tx Frequency	Band		Operate Frequency (MHz)
	GSM/GPRS/EGPRS 850		824.2 - 848.8
	GSM/GPRS/EGPRS 1900		1850.2 - 1909.8
	WCDMA (RMC 12.2K) / HSDPA / HSUPA	Band II	1852.4 - 1907.6
		Band V	826.4 - 846.4
	CDMA / 1xRTT / 1xEVDO Rev.0 / 1xEVDO Rev.A	Cellular Band	824.0 - 849.0
		PCS Band	1850.0 - 1910.0
RF Conducted Power (Avg.)	Band		Power (W / dBm)
	GSM/GPRS/EGPRS 850		1.995 / 33.00
	GSM/GPRS/EGPRS 1900		0.871 / 29.40
	WCDMA (RMC 12.2K) / HSDPA / HSUPA	Band II	0.282 / 24.50
		Band V	0.282 / 24.50
	CDMA / 1xRTT / 1xEVDO Rev.0 / 1xEVDO Rev.A	Cellular Band	0.261 / 24.17
		PCS Band	0.248 / 23.94
Max. SAR Measurement	1.550 W/kg Body SAR		
Antenna Type	2G / 3G: PIFA Type		
Device Category	Mobile Device		
RF Exposure Environment	General Population / Uncontrolled		
Battery Option	Hip Pad Battery / Thick Battery		
Accessory	Hand Strap / Shoulder Strap / Barcode Scanner / Magnetic Stripe		
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 / RSS-102 Issue 4 (March 2010) and had been tested in accordance with the measurement procedures specified in IEEE Std. 1528-2003.

2. Introduction

The A Test Lab Techno Corp. has performed measurements of the maximum potential exposure to the user of **LXE Inc Trade Name : LXE Model(s) : Gobi2000**. The test procedures, as described in American National Standards, Institute C95.1-1999[1], FCC/OET Bulletin 65 Supplement C [July 2001] 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.

2.1 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 (ρ). It is also defined as the rate of RF energy absorption per unit mass at a point in an absorbing body (see Figure 2).

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

Figure 2. SAR Mathematical Equation

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

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

Where :

σ = conductivity of the tissue (S/m)

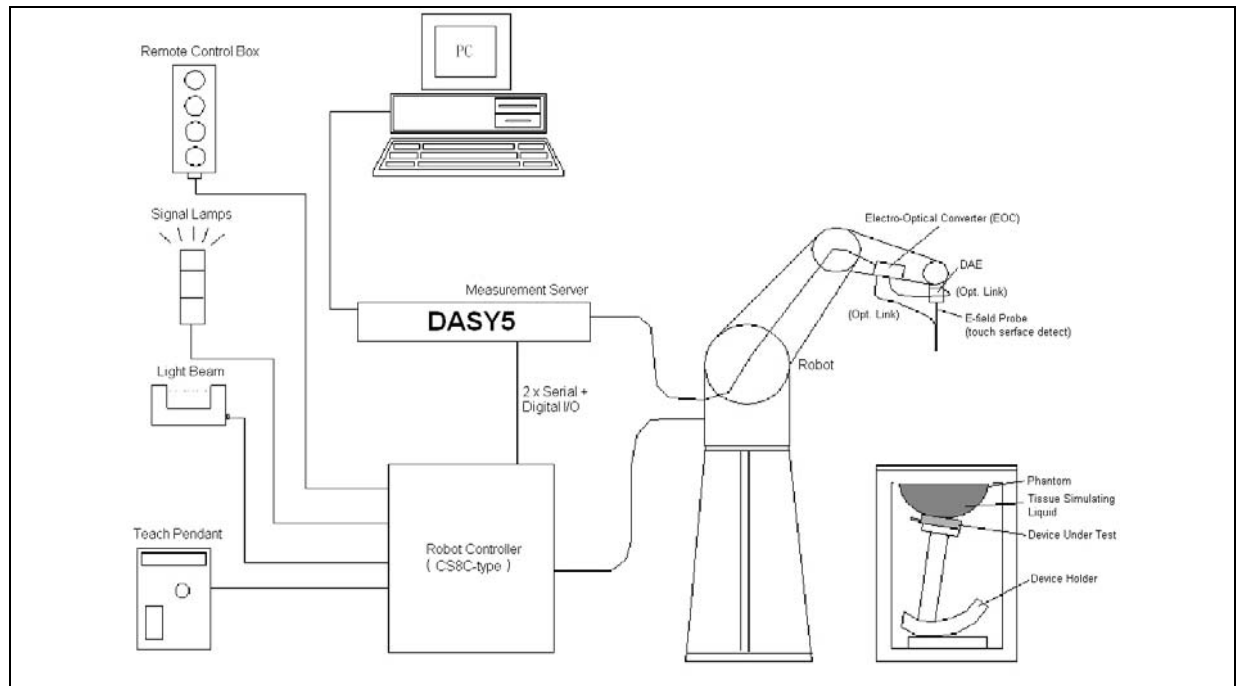
ρ = mass density of the tissue (kg/m³)

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]

3. SAR Measurement Setup



The DASY5 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. DASY5 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.



3.1 DASY5 E-Field Probe System

The SAR measurements were conducted with the dosimetric probe EX3DV3 (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 DASY5 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.

3.1.1 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 835 and 1900MHz (accuracy $\pm 8\%$) Calibration for other liquids and frequencies upon request
Frequency	± 0.2 dB (30 MHz to 4 GHz) for EX3DV3
Directivity	± 0.3 dB in brain tissue (rotation around probe axis) ± 0.5 dB in brain tissue (rotation normal probe axis)
Dynamic Range	10 μ W/g to > 100mW/g; Linearity: ± 0.2 dB
Dimensions	Overall length: 337mm Tip length: 20mm Body diameter: 12mm Tip diameter: 3.9mm for EX3DV3 Distance from probe tip to dipole centers: 2.0mm for EX3DV3
Application	General dosimetry up to 6GHz Compliance tests of mobile phones Fast automatic scanning in arbitrary phantoms

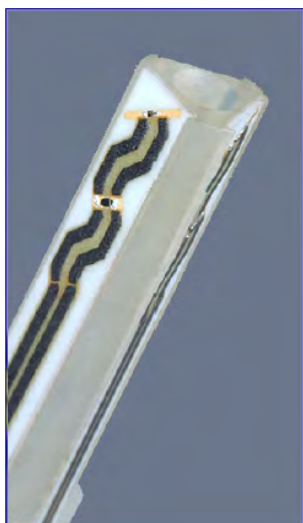


Figure 3. E-field Probe



Figure 4. Probe setup on robot



3.1.2 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/cm²) 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/cm².

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 :

Δt = Exposure time (30 seconds),

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

ΔT = Temperature increase due to RF exposure.

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

Where :

σ = Simulated tissue conductivity,

ρ = Tissue density (kg/m³).



3.2 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 : DASY5 v5.0 (Build 125) & SEMCAD X Version 13.4 Build 125
Connecting Lines : Optical downlink for data and status info
Optical uplink for commands and clock

3.3 Robot

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

3.4 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

3.5 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.

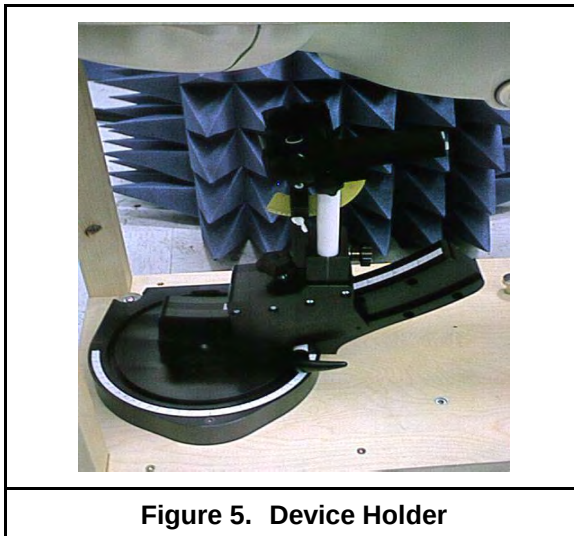


Figure 5. Device Holder

3.6 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 ± 0.2 mm
Filling Volume	Approx. 25 liters
Dimensions	1000x500 mm (LxW)
Table 1. Specification of SAM v4.0	



Figure 6. SAM Twin Phantom

3.7 Oval Flat Phantom - ELI 4.0

The shell corresponds to the specifications of the Specific Anthropomorphic Mannequin (Oval Flat) phantom defined in IEEE 1528-2003, 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	

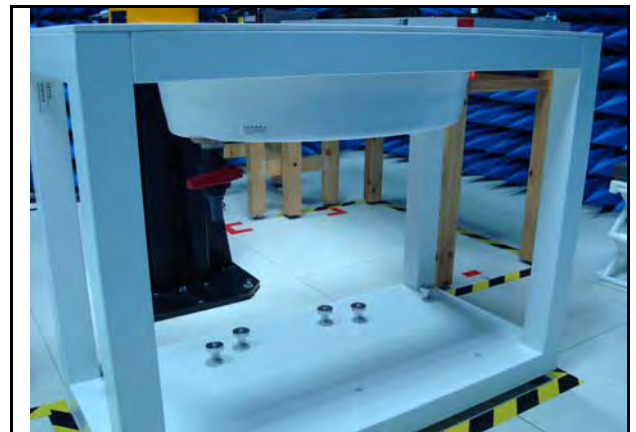


Figure 7. Oval Flat Phantom

3.8 Data Storage and Evaluation

3.8.1 Data Storage

The DASY5 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 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.

3.8.2 Data Evaluation

The DASY5 post processing software (SEMCAD) automatically executes the following procedures to calculate the field units from the microvolt readings at the probe connector. The parameters used in the evaluation are stored in the configuration modules of the software :

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

These parameters must be set correctly in the software. They can be found in the component documents or they can be imported into the software from the configuration files issued for the DASY components. In the direct measuring mode of the multimeter option, the parameters of the actual system setup are used. In the scan visualization and export modes, the parameters stored in the corresponding document files are used.

The first step of the evaluation is a linearization of the filtered input signal to account for the compression characteristics of the detector diode. The compensation depends on the input signal, the diode type and the DC-transmission factor from the diode to the evaluation electronics. If the exciting field is pulsed, the crest factor of the signal must be known to correctly compensate for peak power. The formula for each channel can be given as :

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

with 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-field probes :

$$E_i = \sqrt{\frac{V_i}{Norm_i \cdot ConvF}}$$

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

H-field probes :

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

$Norm_i$ = 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

Hi = 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

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

ρ = equivalent tissue density in g/cm^3

***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^2

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

H_{tot} = total magnetic field strength in A/m

4. 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)	ϵ_r	σ (S/m)	ϵ_r	σ (S/m)
150	52.3	0.76	61.9	0.80
300	45.3	0.87	58.2	0.92
450	43.5	0.87	56.7	0.94
835	41.5	0.90	55.2	0.97
900	41.5	0.97	55.0	1.05
915	41.5	0.98	55.0	1.06
1450	40.5	1.20	54.0	1.30
1610	40.3	1.29	53.8	1.40
1800 - 2000	40.0	1.40	53.3	1.52
2450	39.2	1.80	52.7	1.95
3000	38.5	2.40	52.0	2.73
5800	35.3	5.27	48.2	6.00
(ϵ_r = relative permittivity, σ = conductivity and ρ = 1000 kg/m ³)				

Table 3. Tissue dielectric parameters for head and body phantoms

4.1 Ingredients

The following ingredients are used:

- Water: deionized water (pure H₂O), resistivity $\geq 16 \text{ M } \Omega$ -as basis for the liquid
- Sugar: refined 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-monobutyl ether (DGBE), Fluka Chemie GmbH, CAS # 112-34-5 -to reduce relative permittivity

4.2 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 ϵ and $\pm 5\%$ for σ .

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

Salt: 99+% Pure Sodium Chloride Sugar: 98+% Pure Sucrose

Water: De-ionized, 16 M Ω ⁺ 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

4.3 Liquid Confirmation

4.3.1 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 Body	820MHz	22.0	ϵ_r	55.20	54.69	-0.92%	± 5	03/23/2012
			σ	0.97	0.954	-1.65%	± 5	
	835MHz	22.0	ϵ_r	55.20	54.54	-1.20%	± 5	
			σ	0.97	0.970	0.00%	± 5	
	850MHz	22.0	ϵ_r	55.20	54.37	-1.50%	± 5	
			σ	0.97	0.987	1.75%	± 5	
835MHz Body	820MHz	22.0	ϵ_r	55.20	54.69	-0.92%	± 5	03/24/2012
			σ	0.97	0.954	-1.65%	± 5	
	835MHz	22.0	ϵ_r	55.20	54.54	-1.20%	± 5	
			σ	0.97	0.970	0.00%	± 5	
	850MHz	22.0	ϵ_r	55.20	54.37	-1.50%	± 5	
			σ	0.97	0.987	1.75%	± 5	
835MHz Body	820MHz	22.0	ϵ_r	55.20	54.69	-0.92%	± 5	03/25/2012
			σ	0.97	0.954	-1.65%	± 5	
	835MHz	22.0	ϵ_r	55.20	54.54	-1.20%	± 5	
			σ	0.97	0.970	0.00%	± 5	
	850MHz	22.0	ϵ_r	55.20	54.37	-1.50%	± 5	
			σ	0.97	0.987	1.75%	± 5	
835MHz Body	820MHz	22.0	ϵ_r	55.20	54.69	-0.92%	± 5	03/26/2012
			σ	0.97	0.954	-1.65%	± 5	
	835MHz	22.0	ϵ_r	55.20	54.54	-1.20%	± 5	
			σ	0.97	0.970	0.00%	± 5	
	850MHz	22.0	ϵ_r	55.20	54.37	-1.50%	± 5	
			σ	0.97	0.987	1.75%	± 5	
835MHz Body	820MHz	22.0	ϵ_r	55.20	54.69	-0.92%	± 5	03/27/2012
			σ	0.97	0.954	-1.65%	± 5	
	835MHz	22.0	ϵ_r	55.20	54.54	-1.20%	± 5	
			σ	0.97	0.970	0.00%	± 5	
	850MHz	22.0	ϵ_r	55.20	54.37	-1.50%	± 5	
			σ	0.97	0.987	1.75%	± 5	

Table 4. Measured Tissue dielectric parameters for body phantoms

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	ϵ_r	55.20	54.69	-0.92%	± 5	03/28/2012
			σ	0.97	0.954	-1.65%	± 5	
	835MHz	22.0	ϵ_r	55.20	54.54	-1.20%	± 5	
			σ	0.97	0.970	0.00%	± 5	
	850MHz	22.0	ϵ_r	55.20	54.37	-1.50%	± 5	
			σ	0.97	0.987	1.75%	± 5	
835MHz Body	820MHz	22.0	ϵ_r	55.20	54.69	-0.92%	± 5	03/29/2012
			σ	0.97	0.954	-1.65%	± 5	
	835MHz	22.0	ϵ_r	55.20	54.54	-1.20%	± 5	
			σ	0.97	0.970	0.00%	± 5	
	850MHz	22.0	ϵ_r	55.20	54.37	-1.50%	± 5	
			σ	0.97	0.987	1.75%	± 5	
835MHz Body	820MHz	22.0	ϵ_r	55.20	54.69	-0.92%	± 5	03/30/2012
			σ	0.97	0.954	-1.65%	± 5	
	835MHz	22.0	ϵ_r	55.20	54.54	-1.20%	± 5	
			σ	0.97	0.970	0.00%	± 5	
	850MHz	22.0	ϵ_r	55.20	54.37	-1.50%	± 5	
			σ	0.97	0.987	1.75%	± 5	
835MHz Body	820MHz	22.0	ϵ_r	55.20	53.85	-2.45%	± 5	04/03/2012
			σ	0.97	0.969	-0.10%	± 5	
	835MHz	22.0	ϵ_r	55.20	53.72	-2.68%	± 5	
			σ	0.97	0.985	1.55%	± 5	
	850MHz	22.0	ϵ_r	55.20	53.58	-2.93%	± 5	
			σ	0.97	1.001	3.20%	± 5	
835MHz Body	820MHz	22.0	ϵ_r	55.20	53.85	-2.45%	± 5	04/05/2012
			σ	0.97	0.969	-0.10%	± 5	
	835MHz	22.0	ϵ_r	55.20	53.72	-2.68%	± 5	
			σ	0.97	0.985	1.55%	± 5	
	850MHz	22.0	ϵ_r	55.20	53.58	-2.93%	± 5	
			σ	0.97	1.001	3.20%	± 5	

Table 5. Measured Tissue dielectric parameters for body phantoms

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
1900MHz Body	1850MHz	22.0	ϵ_r	53.30	51.46	-3.45%	± 5	03/30/2012
			σ	1.52	1.446	-4.87%	± 5	
	1900MHz	22.0	ϵ_r	53.30	51.32	-3.71%	± 5	
			σ	1.52	1.498	-1.45%	± 5	
	1930MHz	22.0	ϵ_r	53.30	51.22	-3.90%	± 5	
			σ	1.52	1.531	0.72%	± 5	
1900MHz Body	1850MHz	22.0	ϵ_r	53.30	51.46	-3.45%	± 5	03/31/2012
			σ	1.52	1.446	-4.87%	± 5	
	1900MHz	22.0	ϵ_r	53.30	51.32	-3.71%	± 5	
			σ	1.52	1.498	-1.45%	± 5	
	1930MHz	22.0	ϵ_r	53.30	51.22	-3.90%	± 5	
			σ	1.52	1.531	0.72%	± 5	
1900MHz Body	1850MHz	22.0	ϵ_r	53.30	51.46	-3.45%	± 5	04/01/2012
			σ	1.52	1.446	-4.87%	± 5	
	1900MHz	22.0	ϵ_r	53.30	51.32	-3.71%	± 5	
			σ	1.52	1.498	-1.45%	± 5	
	1930MHz	22.0	ϵ_r	53.30	51.22	-3.90%	± 5	
			σ	1.52	1.531	0.72%	± 5	
1900MHz Body	1850MHz	22.0	ϵ_r	53.30	51.46	-3.45%	± 5	04/02/2012
			σ	1.52	1.446	-4.87%	± 5	
	1900MHz	22.0	ϵ_r	53.30	51.32	-3.71%	± 5	
			σ	1.52	1.498	-1.45%	± 5	
	1930MHz	22.0	ϵ_r	53.30	51.22	-3.90%	± 5	
			σ	1.52	1.531	0.72%	± 5	
1900MHz Body	1850MHz	22.0	ϵ_r	53.30	51.46	-3.45%	± 5	04/03/2012
			σ	1.52	1.446	-4.87%	± 5	
	1900MHz	22.0	ϵ_r	53.30	51.32	-3.71%	± 5	
			σ	1.52	1.498	-1.45%	± 5	
	1930MHz	22.0	ϵ_r	53.30	51.22	-3.90%	± 5	
			σ	1.52	1.531	0.72%	± 5	

Table 6. Measured Tissue dielectric parameters for body phantoms

Liquid parameter for measured frequency							
Body	Frequency	Measured Value		Target Value		Deviation (%)	
		σ	ϵr	σ	ϵr	σ	ϵr
GPRS 850	824.20 MHz	0.958	54.6	0.969143	55.242857	-1.149764	-1.163693
	836.60 MHz	0.972	54.5	0.972462	55.193846	-0.047461	-1.257108
	848.80 MHz	0.986	54.4	0.987231	55.156923	-0.124669	-1.372308
CDMA Cellular	824.70 MHz	0.959	54.6	0.969221	55.238961	-1.054536	-1.156722
	836.52 MHz	0.972	54.5	0.972462	55.193846	-0.047461	-1.257108
	848.31 MHz	0.985	54.4	0.986000	55.160000	-0.101420	-1.377810
WCDMA Band V	826.40 MHz	0.961	54.6	0.969299	55.235065	-0.856155	-1.149750
	836.60 MHz	0.972	54.5	0.972462	55.193846	-0.047461	-1.257108
	846.60 MHz	0.984	54.4	0.984769	55.163077	-0.078113	-1.383311
GPRS 1900	1880.00 MHz	1.480	51.4	1.520000	53.300000	-2.631579	-3.564728
WCDMA Band II	1880.00 MHz	1.480	51.4	1.520000	53.300000	-2.631579	-3.564728
CDMA PCS	1880.00 MHz	1.480	51.4	1.520000	53.300000	-2.631579	-3.564728
	1851.25 MHz	1.450	51.5	1.520000	53.300000	-4.605263	-3.377111

4.3.2 Liquid Depth

The liquid level was during measurement 15cm $\pm$ 0.5cm.

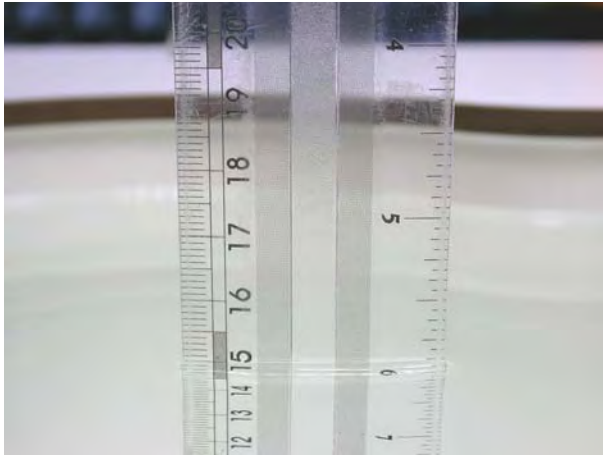


Figure 8. Head-Tissue-Simulating-Liquid



Figure 9. Body-Tissue-Simulating-Liquid

5. SAR Testing with RF Transmitters

5.1 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(β_c , β_d), and HS-DPCCH power offset parameters (Δ_{ACK} , Δ_{NACK} , Δ_{CQI}) should be set according to values indicated in the Table below.³² The CQI value is determined by the UE category, transport block size, number of HS-PDSCHs and modulation used in the H-set.³³

Sub-test	β_c	β_d	β_d (SF)	β_c/β_d	$\beta_{hs}^{(1,2)}$	CM (dB) ⁽³⁾	MRP (dB) ⁽³⁾
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

Note

1. Δ_{ACK} , Δ_{NACK} and $\Delta_{CQI} = 8 \Leftrightarrow A_{hs} = \beta_{hs}/\beta_c = 30/15 \Leftrightarrow \beta_{hs} = 30/15 * \beta_c$
2. 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, Δ_{ACK} and $\Delta_{NACK} = 30/15$ with $\beta_{hs} = 30/15 * \beta_c$ and $\Delta_{CQI} = 24/15$ with $\beta_{hs} = 24/15 * \beta_c$
3. CM = 1 for $\beta_c/\beta_d = 12/15$, $\beta_{hs}/\beta_c = 24/15$. 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.
4. For subtest 2 the β_c/β_d ratio of 12/15 for the TFC during the measurement period (TF1, TF0) is achieved by setting the signaled gain factors for the reference TFC (TF1, TF1) to $\beta_c = 11/15$ and $\beta_d = 15/15$.

Table 7. Setup for Release 5 HSDPA

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, EDPCCCH 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 $\frac{1}{4}$ 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 $\frac{1}{4}$ 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 β 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.

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

Note 1: ΔACK , $\Delta NACK$ and $\Delta CQI = 8 \Leftrightarrow A_{hs} = \beta_{hs}/\beta_c = 30/15 \Leftrightarrow \beta_{hs} = 30/15 * \beta_c$.

Note 2: CM = 1 for $\beta_c/\beta_d = 12/15$, $\beta_{hs}/\beta_c = 24/15$. For all other combinations of DPDCH, DPCCH, HS- DPCCH, E-DPDCH and E-DPCCH the MPR is based on the relative CM difference.

Note 3: For subtest 1 the β_c/β_d ratio of 11/15 for the TFC during the measurement period (TF1, TF0) is achieved by setting the signaled gain factors for the reference TFC (TF1, TF1) to $\beta_c = 10/15$ and $\beta_d = 15/15$.

Note 4: For subtest 5 the β_c/β_d ratio of 15/15 for the TFC during the measurement period (TF1, TF0) is achieved by setting the signaled gain factors for the reference TFC (TF1, TF1) to $\beta_c = 14/15$ and $\beta_d = 15/15$.

Note 5: Testing UE using E-DPDCH Physical Layer category 1 Sub-test 3 is not required according to TS 25.306 Table 5.1g.

Note 6: β_{ed} can not be set directly; it is set by Absolute Grant Value.

Table 8. Setup for Release 6 HSPA / Release 7 HSPA+

5.2 SAR Testing with CDMA2000 Transmitters

The following procedures were performed according to FCC “SAR Measurement Procedures for 3G Devices” v02, October 2007.

5.2.1 Output Power Verification

See 3GPP2 C.S0011/TIA-98-E as recommended by “SAR Measurement Procedures for 3G Devices” v02, October 2007. Maximum output power is verified on the High, Middle and Low channels according to procedures in section 4.4.5.2 of 3GPP2 C.S0011/TIA-98-E. SO55 tests were measured with power control bits in the “All Up” condition.

1. If the mobile station (MS) supports Reverse TCH RC 1 and Forward TCH RC 1, set up a call using Fundamental Channel Test Mode 1 (RC=1/1) with 9600 bps data rate only.
2. Under RC1, C.S0011 Table 4.4.5.2-1, Table 6. parameters were applied.
3. If the MS supports the RC 3 Reverse FCH, RC3 Reverse SCH0 and demodulation of RC 3,4, or 5, set up a call using Supplemental Channel Test Mode 3 (RC 3/3) with 9600 bps Fundamental Channel and 9600 bps SCH0 data rate.
4. Under RC3, C.S0011 Table 4.4.5.2-2, Table 7 was applied.
5. FCHs were configured at full rate for maximum SAR with “All Up” power control bits.

Table 9. Parameters for Max. Power for RC1		
Parameter	Units	Value
I_{or}	dBm/1.23MHz	-104
$\frac{Pilot E_c}{I_{or}}$	dB	-7
$\frac{Traffic E_c}{I_{or}}$	dB	-7.4

Table 10. Parameters for Max. Power for RC3		
Parameter	Units	Value
I_{or}	dBm/1.23MHz	-86
$\frac{Pilot E_c}{I_{or}}$	dB	-7
$\frac{Traffic E_c}{I_{or}}$	dB	-7.4



5.2.2 Body SAR Measurements

SAR for body exposure configurations is measured in RC3 with the DUT configured to transmit at full rate on FCH with all other code channels disabled using TDSO / SO32. SAR for multiple code channels (FCH + SCHn) is not required when the maximum average output of each RF channel is less than $\frac{1}{4}$ dB higher than that measured with FCH only. Otherwise, SAR is measured on the maximum output channel (FCH + SCHn) with FCH at full rate and SCH0 enabled at 9600 bps using the exposure configuration that results in the highest SAR for that channel with FCH only. When multiple code channels are enabled, the DUT output may shift by more than 0.5 dB and lead to higher SAR drifts and SCH dropouts. Body SAR was measured using TDSO / SO32 with power control bits in the “All Up” Body SAR in RC1 is not required when the maximum average output of each channel is less than $\frac{1}{4}$ dB higher than that measured in RC3. Otherwise, SAR is measured on the maximum output channel in RC1; with Loopback Service Option SO55, at full rate, using the body exposure configuration that results in the highest SAR for that channel in RC3.

5.2.3 1xEVDO

SAR is measured using FTAP/RTAP and FETAP/RETAP respectively for Rev. 0 and Rev. A devices. The AT is tested with a Reverse Data Channel rate of 153.6 kbps in Subtype 0/1 Physical Layer configurations; and a Reverse Data Channel payload size of 4096 bits and Termination Target of 16 slots in Subtype 2 Physical Layer configurations. Both FTAP and FETAP are configured with a Forward Traffic Channel data rate corresponding to the 2-slot version of 307.2 kbps with the ACK Channel transmitting in all slots. AT power control should be in “All Bits Up” conditions for TAP/ETAP.

5.3 Conducted Power

Band	Modulation	Mode	CH	Frequency (MHz)	RF Conducted Output Power (dBm)	
					Time Average	Average burst
GSM 850	GMSK	1Down1Up Duty factor 1/8	Lowest	824.2	23.77	32.80
			Middle	836.6	23.97	33.00
			Highest	848.8	23.67	32.70
GPRS 850 Multi Class :10 Max Up:2 Max Down:4 Sum:5		4Down1Up Duty factor 1/8	Lowest	824.2	23.77	32.80
			Middle	836.6	23.97	33.00
			Highest	848.8	23.67	32.70
		3Down2Up Duty factor 2/8	Lowest	824.2	26.58	32.60
			Middle	836.6	26.68	32.70
			Highest	848.8	26.38	32.40
EGPRS 850 Multi Class :10 Max Up:2 Max Down:4 Sum:5	8PSK	4Down1Up Duty factor 1/8	Lowest	824.2	18.17	27.20
			Middle	836.6	18.17	27.20
			Highest	848.8	17.97	27.00
		3Down2Up Duty factor 2/8	Lowest	824.2	21.08	27.10
			Middle	836.6	21.18	27.20
			Highest	848.8	20.98	27.00
GSM 1900	GMSK	1Down1Up Duty factor 1/8	Lowest	1850.2	20.17	29.20
			Middle	1880.0	20.27	29.30
			Highest	1909.8	20.07	29.10
GPRS 1900 Multi Class :10 Max Up:2 Max Down:4 Sum:5		4Down1Up Duty factor 1/8	Lowest	1850.2	20.27	29.30
			Middle	1880.0	20.37	29.40
			Highest	1909.8	20.17	29.20
		3Down2Up Duty factor 2/8	Lowest	1850.2	23.18	29.20
			Middle	1880.0	23.28	29.30
			Highest	1909.8	23.08	29.10
EGPRS 1900 Multi Class :10 Max Up:2 Max Down:4 Sum:5	8PSK	4Down1Up Duty factor 1/8	Lowest	1850.2	16.17	25.20
			Middle	1880.0	16.27	25.30
			Highest	1909.8	16.07	25.10
		3Down2Up Duty factor 2/8	Lowest	1850.2	19.08	25.10
			Middle	1880.0	19.28	25.30
			Highest	1909.8	19.08	25.10

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)	RF Conducted Output Power (dBm)
					Average
WCDMA Band II	RMC12.2K	---	Lowest	1852.4	24.37
			Middle	1880.0	24.50
			Highest	1907.6	24.18
HSDPA Band II	QPSK	1	Lowest	1852.4	24.24
			Middle	1880.0	24.13
			Highest	1907.6	23.79
		2	Lowest	1852.4	24.18
			Middle	1880.0	24.08
			Highest	1907.6	23.76
		3	Lowest	1852.4	23.69
			Middle	1880.0	23.58
			Highest	1907.6	23.22
		4	Lowest	1852.4	23.68
			Middle	1880.0	23.57
			Highest	1907.6	23.24
HSUPA Band II		1	Lowest	1852.4	23.34
			Middle	1880.0	23.64
			Highest	1907.6	23.54
		2	Lowest	1852.4	21.27
			Middle	1880.0	21.58
			Highest	1907.6	21.49
		3	Lowest	1852.4	22.33
			Middle	1880.0	22.62
			Highest	1907.6	22.50
		4	Lowest	1852.4	21.30
			Middle	1880.0	21.59
			Highest	1907.6	21.49
		5	Lowest	1852.4	23.28
			Middle	1880.0	23.59
			Highest	1907.6	23.46

Band	Modulation	Sub-test	CH	Frequency (MHz)	RF Conducted Output Power (dBm)
					Average
WCDMA Band V	RMC12.2K	---	Lowest	826.4	24.29
			Middle	836.6	24.50
			Highest	846.6	24.45
HSDPA Band V	QPSK	1	Lowest	826.4	24.08
			Middle	836.6	23.98
			Highest	846.6	24.01
		2	Lowest	826.4	24.04
			Middle	836.6	23.94
			Highest	846.6	23.96
		3	Lowest	826.4	23.55
			Middle	836.6	23.45
			Highest	846.6	23.49
		4	Lowest	826.4	23.52
			Middle	836.6	23.41
			Highest	846.6	23.45
HSUPA Band V		1	Lowest	826.4	23.30
			Middle	836.6	23.16
			Highest	846.6	22.66
		2	Lowest	826.4	21.24
			Middle	836.6	21.10
			Highest	846.6	20.61
		3	Lowest	826.4	22.28
			Middle	836.6	22.13
			Highest	846.6	21.63
		4	Lowest	826.4	21.27
			Middle	836.6	21.12
			Highest	846.6	20.61
		5	Lowest	826.4	23.24
			Middle	836.6	23.10
			Highest	846.6	22.59

Band	RC/TAP (REV)	CH	Frequency (MHz)	RF Conducted Output Power (dBm)
				Average
CDMA Cellular Band	RC1/SO55	Lowest	824.70	23.95
		Middle	836.52	24.00
		Highest	848.31	23.84
	RC3/SO55	Lowest	824.70	23.96
		Middle	836.52	24.15
		Highest	848.31	23.84

Band	RC/TAP (REV)	CH	Frequency (MHz)	RF Conducted Output Power (dBm)
				Average
1xRTT Cellular Band	RC3/SO32	Lowest	824.70	23.99
		Middle	836.52	24.17
		Highest	848.31	23.79

Band	RTAP (kbps)	CH	Frequency (MHz)	RF Conducted Output Power (dBm)
				Average
1xEVDO Rev.0 Cellular Band	153.6	Lowest	824.70	23.99
		Middle	836.52	24.03
		Highest	848.31	23.73

Band	RETAP Payload size	CH	Frequency (MHz)	RF Conducted Output Power (dBm)
				Average
1xEVDO Rev.A Cellular Band	4096 Bits	Lowest	824.70	23.31
		Middle	836.52	23.41
		Highest	848.31	23.22

Band	RC/TAP (REV)	CH	Frequency (MHz)	RF Conducted Output Power (dBm)
				Average
CDMA PCS Band	RC1/SO55	Lowest	1851.25	23.54
		Middle	1880.00	23.64
		Highest	1908.75	23.12
	RC3/SO55	Lowest	1851.25	23.79
		Middle	1880.00	23.91
		Highest	1908.75	23.42

Band	RC/TAP (REV)	CH	Frequency (MHz)	RF Conducted Output Power (dBm)
				Average
1xRTT PCS Band	RC3/SO32	Lowest	1851.25	23.65
		Middle	1880.00	23.94
		Highest	1908.75	23.31

Band	RTAP (kbps)	CH	Frequency (MHz)	RF Conducted Output Power (dBm)
				Average
1xEVDO Rev.0 PCS Band	153.6	Lowest	1851.25	23.64
		Middle	1880.00	23.62
		Highest	1908.75	23.61

Band	RETAP Payload size	CH	Frequency (MHz)	RF Conducted Output Power (dBm)
				Average
1xEVDO Rev.A PCS Band	4096 Bits	Lowest	1851.25	22.63
		Middle	1880.00	22.73
		Highest	1908.75	22.23

5.4 Simultaneous Transmitting Evaluate

RF Conducted Power		
Band	dBm	W
GSM/GPRS/EGPRS 850	26.68	0.47
GSM/GPRS/EGPRS 1900	23.28	0.21
WCDMA/HSDPA/HSUPA Band II	24.50	0.28
WCDMA/HSDPA/HSUPA Band V	24.50	0.28
CDMA/1xRTT/1xEvdo RA /1xEvdo R0 Cellular	24.17	0.26
CDMA/1xRTT/1xEvdo RA /1xEvdo R0 PCS	23.94	0.25
Wi-Fi 802.11a	13.54	0.02
Wi-Fi 802.11b	12.26	0.02
Wi-Fi 802.11g	8.15	0.01
Wi-Fi 802.11n_2.4GHz	7.75	0.01
Wi-Fi 802.11n_5GHz	13.46	0.02
BT 2.0	2.89	0.002

Antenna Distance	
Antenna Account	Distance (cm)
BT to WLAN	14.667
BT to WWAN (License)	1.600
WLAN to WWAN (License)	6.650

BT and WWAN and WLAN simultaneously SAR Description

(1) Antenna Distance

- 1a.BT & WWAN 1.600 cm
- 1b.BT & WLAN 14.667 cm
- 1c. WWAN & WLAN 6.650 cm

(2) WWAN/BT –with antenna separation distance 1.6cm <2.5 cm – BT power is < Pref ,WWAN SAR >1.2 mW/g. The sum of SAR 1g is $1.55+0.0000113=1.5500113 < \text{SAR limit: } 1.6\text{mW/g}$.

Therefore, the Simultaneous SAR is not required.

(3) WLAN/BT –with antenna separation distance 14.667cm >5 cm – BT power is < 2*Pref. BT and WLAN SAR <1.2 mW/g. Therefore, the Simultaneous SAR is not required.

(4) WLAN/WWAN –with antenna separation distance 6.65cm >5 cm– WLAN power is > 2*Pref.

The max sum of SAR 1g is $1.55+0.13=1.68 > \text{SAR limit: } 1.6\text{mW/g}$

then SPLSR(SAR to peak location separation ratios) is $1.68 / 13.8 = 0.122 < 0.3$

Therefore, the Simultaneous SAR is not required.

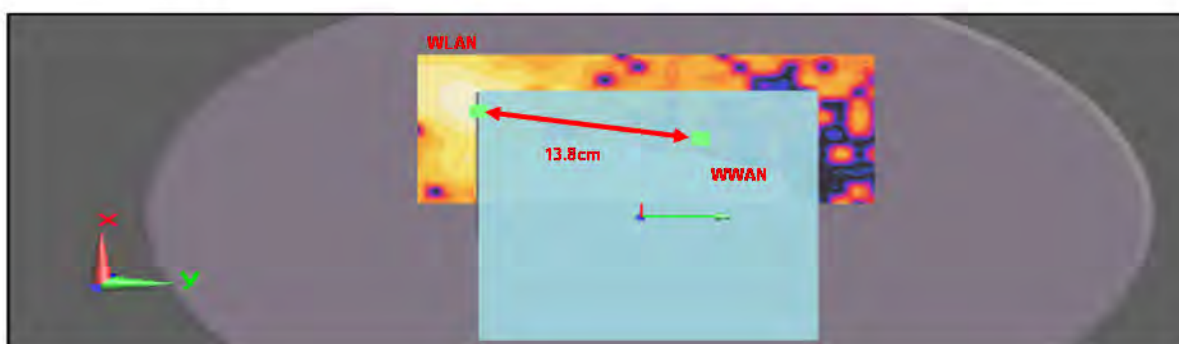
Distance of peak to peak location separation as below:

WWAN: Flat_GPRS 850 CH128_3D2U_Back Surface 0mm_Thick Battery_Hand Strap			
Value of SAR	X_2	Y_2	Z_2
Max.	m	m	m
1.81	0.0575	0.0315	-0.182
WLAN: Flat_802.11a CH116_6M_Back surface to phantom 0mm_Hip Pad Battery_Shoulder strap			
Value of SAR	X_1	Y_1	Z_1
Max.	m	m	m
0.219	0.089	-0.103	-0.18

Distance calculation
DASY stores the individual coordinates of each measurement point, whereby the center coordinate ($x=0$, $y=0$) is always the Grid Reference Point as set in the Phantom properties within DASY setup pane. As long as the same phantom section is used the distance between two hot spots can be calculated with the Pythagoras' theorem. E.g. Antenna 1 has X_1, Y_1, Z_1 and Antenna 2 has X_2, Y_2, Z_2 as the hot spot coordinates. The closest distance between them is $d = \sqrt{(X_1 - X_2)^2 + (Y_1 - Y_2)^2 + (Z_1 - Z_2)^2}$

Distance	Calculation
0.138 m	$d = \sqrt{(0.089 - 0.0575)^2 + (-0.103 - 0.0315)^2 + (-0.18 - (-0.182))^2}$
13.8 cm	

Distance of WLAN to WWAN for peak



(5) WWAN/WLAN/BT Stand-alone SAR is required due to routine evaluation requirements.

(6) Highest Simultaneous SAR Evaluation:

Body SAR : $\Sigma \text{ SAR} = \text{GPRS 850} + \text{Wifi 802.11a} = 1.68 \text{ mW/g} > \text{SAR limit: } 1.6 \text{ mW/g}$

then SPLSR(SAR to peak location separation ratios) is $1.68 / 13.8 = 0.122 < 0.3$

Therefore, the Simultaneous SAR is not required.

- i. SAR data of WWAN/BT please refer to report No.: 1204FS12, WLAN to report No.: 1204FS11-01.
- ii. WWAN will be enabled only if only Thick or Hip Pad battery is used.

Note:

1. Simultaneous Transmitting Summary, please find the table 7 as below.
2. Simultaneous Transmission Summation of SAR, please find the table 8 as below.
 - 2.1 The device for orientation can't rotated, only used for Edge bottom, Back surface and Front surface.
 - 2.2 The device for "Barcode and Magnetic Stripe" mode selected worst of all test items.

Table 11. Simultaneous Transmitting Summary

Simultaneous Transmitting	802.11a	802.11b	802.11g	802.11n	Bluetooth
GSM/GPRS/EGPRS 850	V	V	V	V	V
GSM/GPRS/EGPRS 1900	V	V	V	V	V
WCDMA /HSDPA/HSUPA Band V	V	V	V	V	V
WCDMA /HSDPA/HSUPA Band II	V	V	V	V	V
CDMA/1xRTT/1xEvdo Cellular	V	V	V	V	V
CDMA/1xRTT/1xEvdo PCS	V	V	V	V	V
Bluetooth	V	V	V	V	

Table 12.

Front Surface					
The sum of the 1-g SAR					
Simult Tx	Configuration	GPRS 850 SAR mW/g	WLAN SAR mW/g	Σ SAR mW/g	Σ SAR
Body SAR	Flat	0.223	0.271	0.494	<1.6
Simult Tx	Configuration	WCDMA Band V SAR mW/g	WLAN SAR mW/g	Σ SAR mW/g	Σ SAR
Body SAR	Flat	0.150	0.271	0.421	<1.6
Simult Tx	Configuration	CDMA Cellular SAR mW/g	WLAN SAR mW/g	Σ SAR mW/g	Σ SAR
Body SAR	Flat	0.132	0.271	0.403	<1.6
Simult Tx	Configuration	GPRS PCS SAR mW/g	WLAN SAR mW/g	Σ SAR mW/g	Σ SAR
Body SAR	Flat	0.132	0.271	0.403	<1.6
Simult Tx	Configuration	WCDMA Band II SAR mW/g	WLAN SAR mW/g	Σ SAR mW/g	Σ SAR
Body SAR	Flat	0.229	0.271	0.500	<1.6
Simult Tx	Configuration	CDMA PCS SAR mW/g	WLAN SAR mW/g	Σ SAR mW/g	Σ SAR
Body SAR	Flat	0.477	0.271	0.748	<1.6

Back Surface					
The sum of the 1-g SAR					
Simult Tx	Configuration	GPRS 850 SAR mW/g	WLAN SAR mW/g	Σ SAR mW/g	Σ SAR
Body SAR	Flat	1.550	0.130	1.680	>1.6
Simult Tx	Configuration	WCDMA Band V SAR mW/g	WLAN SAR mW/g	Σ SAR mW/g	Σ SAR
Body SAR	Flat	1.180	0.130	1.310	<1.6
Simult Tx	Configuration	CDMA Cellular SAR mW/g	WLAN SAR mW/g	Σ SAR mW/g	Σ SAR
Body SAR	Flat	1.050	0.130	1.180	<1.6
Simult Tx	Configuration	GPRS PCS SAR mW/g	WLAN SAR mW/g	Σ SAR mW/g	Σ SAR
Body SAR	Flat	0.416	0.130	0.546	<1.6
Simult Tx	Configuration	WCDMA Band II SAR mW/g	WLAN SAR mW/g	Σ SAR mW/g	Σ SAR
Body SAR	Flat	0.680	0.130	0.810	<1.6
Simult Tx	Configuration	CDMA PCS SAR mW/g	WLAN SAR mW/g	Σ SAR mW/g	Σ SAR
Body SAR	Flat	0.665	0.130	0.795	<1.6

Note: The WLAN worst SAR value is with Thick / Hip Pad only.

6. System Performance Check

6.1 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 and 1900 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 D1900V2: dipole length 67.7 mm; overall height 300 mm

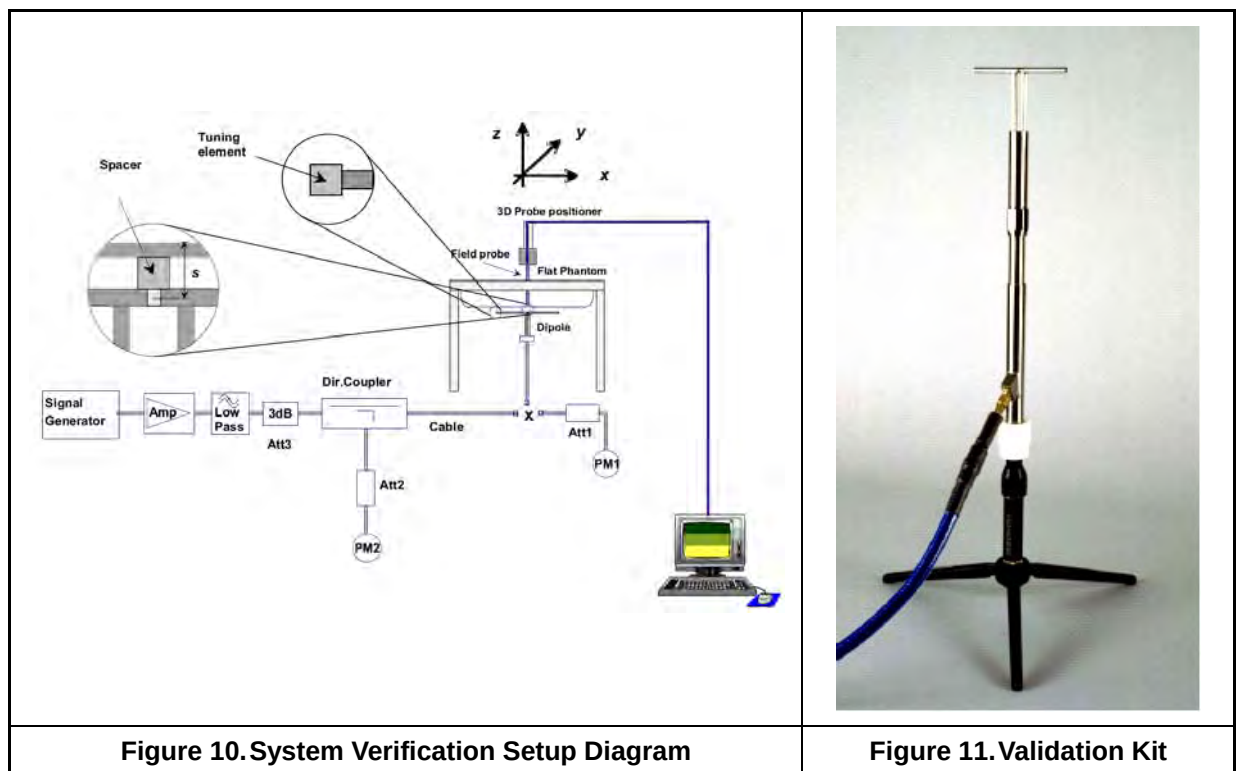


Figure 10. System Verification Setup Diagram

Figure 11. Validation Kit



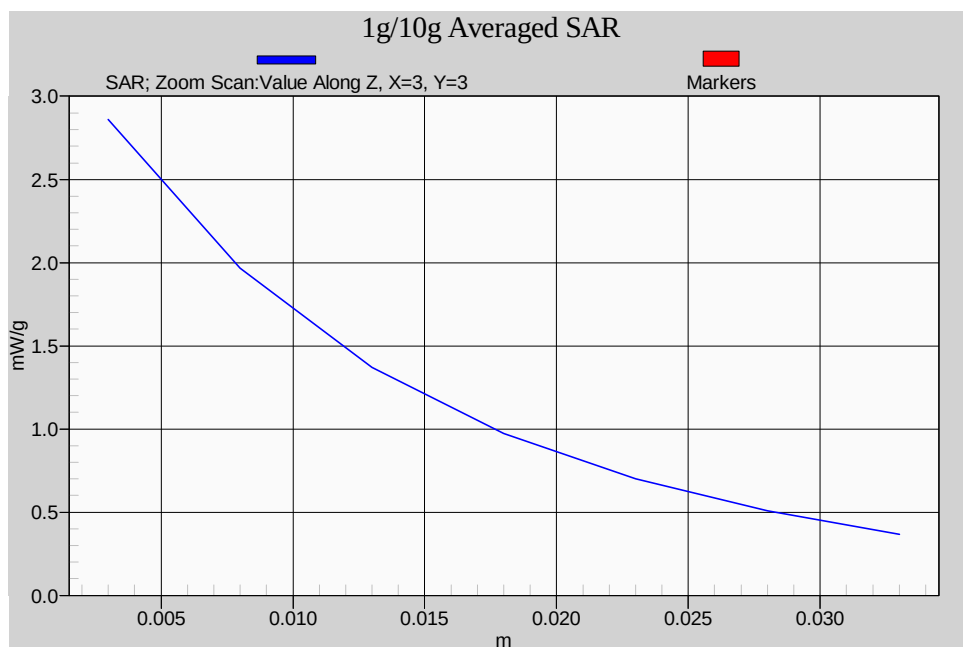
6.2 Verification

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 and 1900MHz.

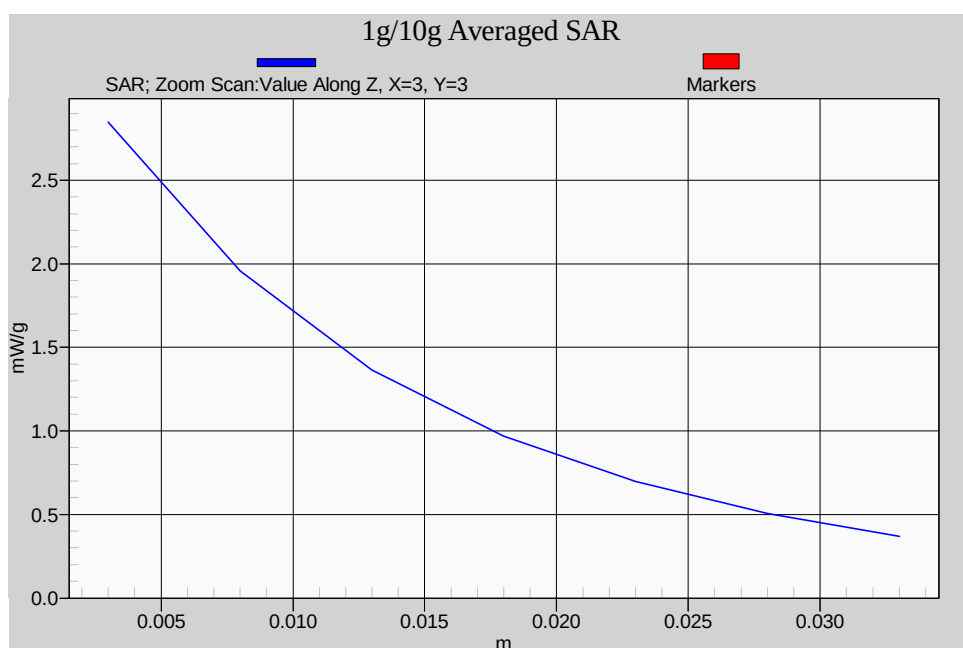
Validation kit		Mixture Type	SAR _{1g} [mW/g]		SAR _{10g} [mW/g]		Date of Calibration
D835V2-SN4d082		Body	9.43		6.22		07/19/2011
Frequency (MHz)	Power (dBm)	SAR _{1g} (mW/g)	SAR _{10g} (mW/g)	Drift (dB)	Difference percentage		Date
					1g	10g	
835 (Body)	250mW	2.46	1.63	0.03700	4.3 %	4.8 %	03/23/2012
	Normalize to 1 Watt	9.84	6.52				
835 (Body)	250mW	2.45	1.63	0.01200	3.9 %	4.8 %	03/24/2012
	Normalize to 1 Watt	9.80	6.52				
835 (Body)	250mW	2.40	1.59	0.00331	1.8 %	2.3 %	03/25/2012
	Normalize to 1 Watt	9.60	6.36				
835 (Body)	250mW	2.39	1.59	0.00389	1.4 %	2.3 %	03/26/2012
	Normalize to 1 Watt	9.56	6.36				
835 (Body)	250mW	2.38	1.57	0.01600	1.0 %	1.0 %	03/27/2012
	Normalize to 1 Watt	9.52	6.28				
835 (Body)	250mW	2.27	1.50	0.00549	-3.7 %	-3.5 %	03/28/2012
	Normalize to 1 Watt	9.08	6.00				
835 (Body)	250mW	2.36	1.56	-0.01400	0.1 %	0.3 %	03/29/2012
	Normalize to 1 Watt	9.44	6.24				
835 (Body)	250mW	2.46	1.63	0.01300	4.3 %	4.8 %	03/30/2012
	Normalize to 1 Watt	9.84	6.52				
835 (Body)	250mW	2.34	1.54	0.03100	-0.7 %	-1.0 %	04/03/2012
	Normalize to 1 Watt	9.36	6.16				
835 (Body)	250mW	2.33	1.54	-0.14600	-1.2 %	-1.0 %	04/05/2012
	Normalize to 1 Watt	9.32	6.16				

Validation kit		Mixture Type	SAR _{1g} [mW/g]		SAR _{10g} [mW/g]		Date of Calibration
D1900V2-SN5d111		Body	40.9		21.5		07/22/2011
Frequency (MHz)	Power (dBm)	SAR _{1g} (mW/g)	SAR _{10g} (mW/g)	Drift (dB)	Difference percentage		Date
					1g	10g	
1900 (Body)	250mW	10.40	5.38	0.03700	1.7 %	0.1 %	03/30/2012
	Normalize to 1 Watt	41.60	21.52				
1900 (Body)	250mW	10.00	5.18	-0.07800	-2.2 %	-3.6 %	03/31/2012
	Normalize to 1 Watt	40.00	20.72				
1900 (Body)	250mW	10.10	5.24	0.05000	-1.2 %	-2.5 %	04/01/2012
	Normalize to 1 Watt	40.40	20.96				
1900 (Body)	250mW	10.00	5.15	0.02300	-2.2 %	-4.2 %	04/02/2012
	Normalize to 1 Watt	40.00	20.60				
1900 (Body)	250mW	10.20	5.35	0.03400	-0.2 %	-0.5 %	04/03/2012
	Normalize to 1 Watt	40.80	21.40				

Z-axis Plot of System Performance Check

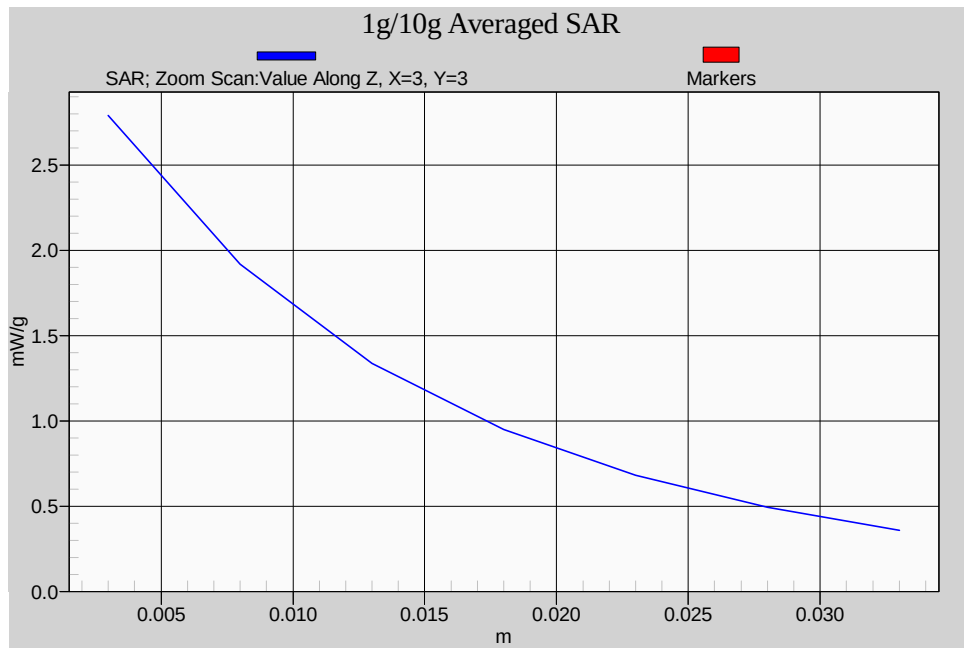


Body-Tissue-Simulating-Liquid 835MHz (03/23/2012)

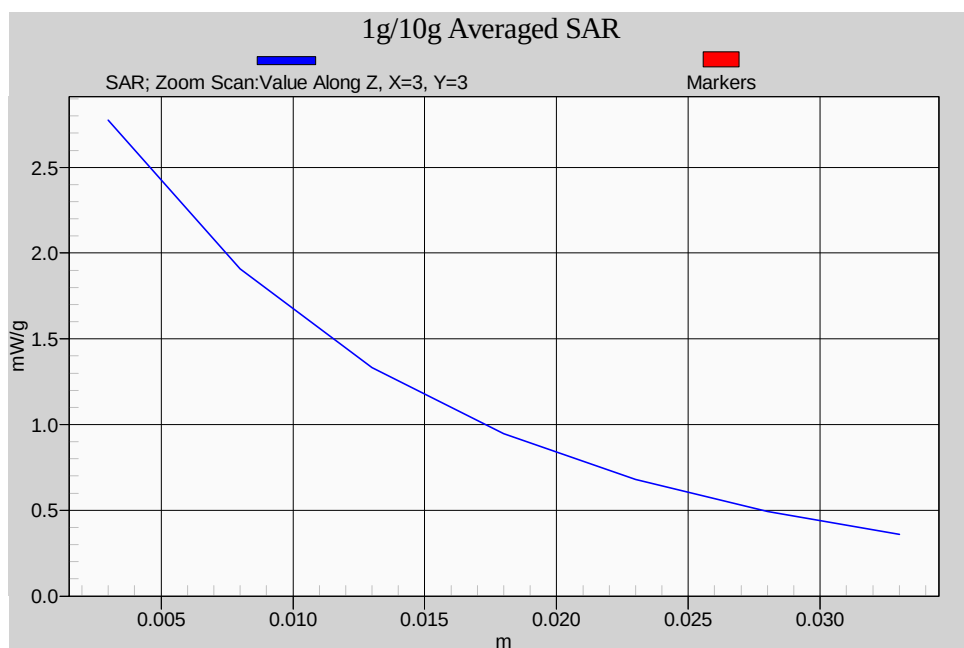


Body-Tissue-Simulating-Liquid 835MHz (03/24/2012)

Z-axis Plot of System Performance Check

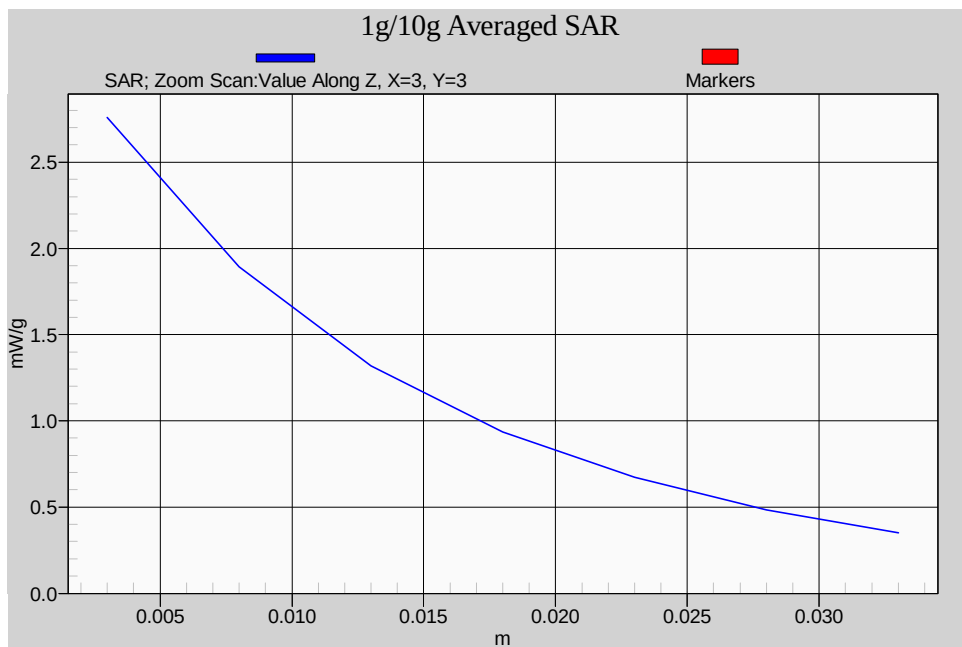


Body-Tissue-Simulating-Liquid 835MHz (03/25/2012)

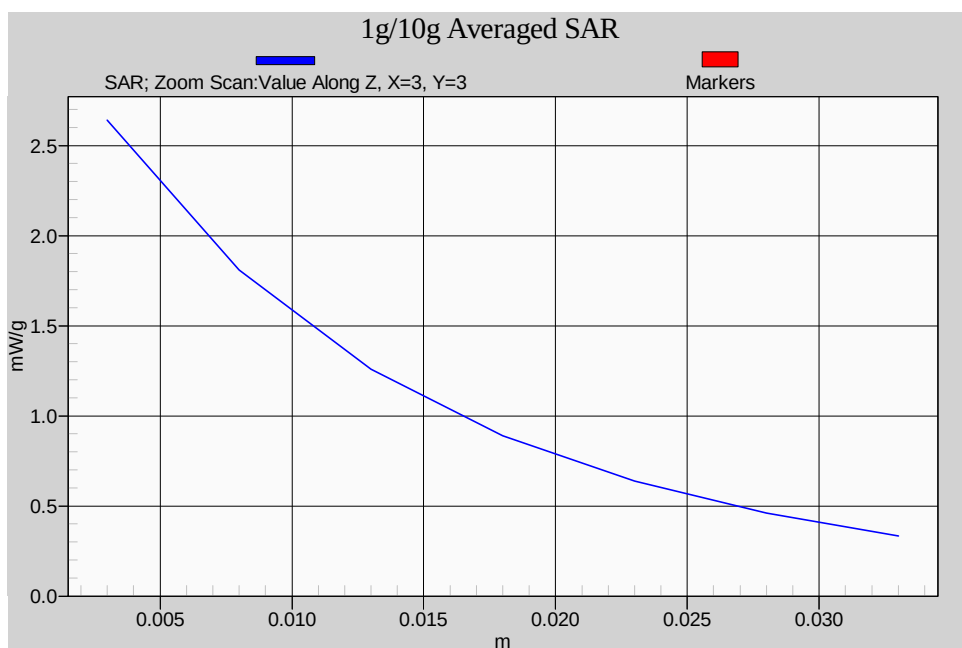


Body-Tissue-Simulating-Liquid 835MHz (03/26/2012)

Z-axis Plot of System Performance Check

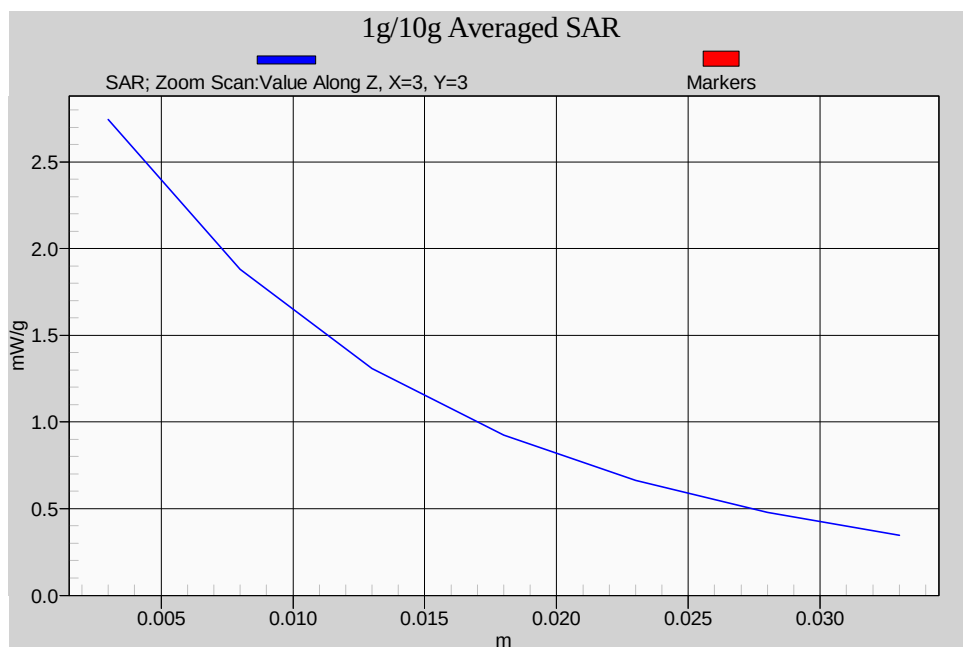


Body-Tissue-Simulating-Liquid 835MHz (03/27/2012)

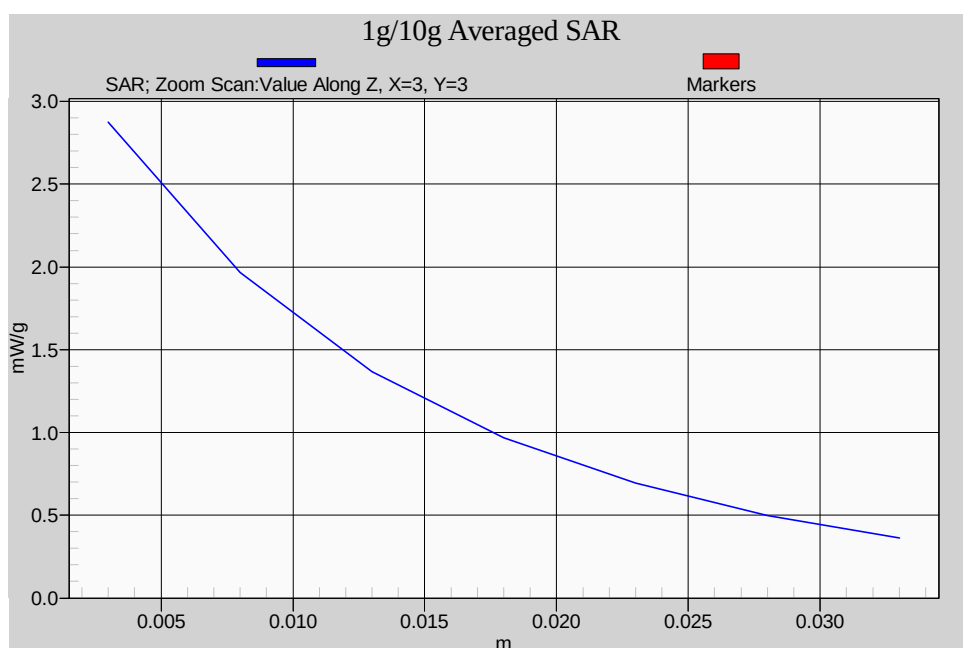


Body-Tissue-Simulating-Liquid 835MHz (03/28/2012)

Z-axis Plot of System Performance Check

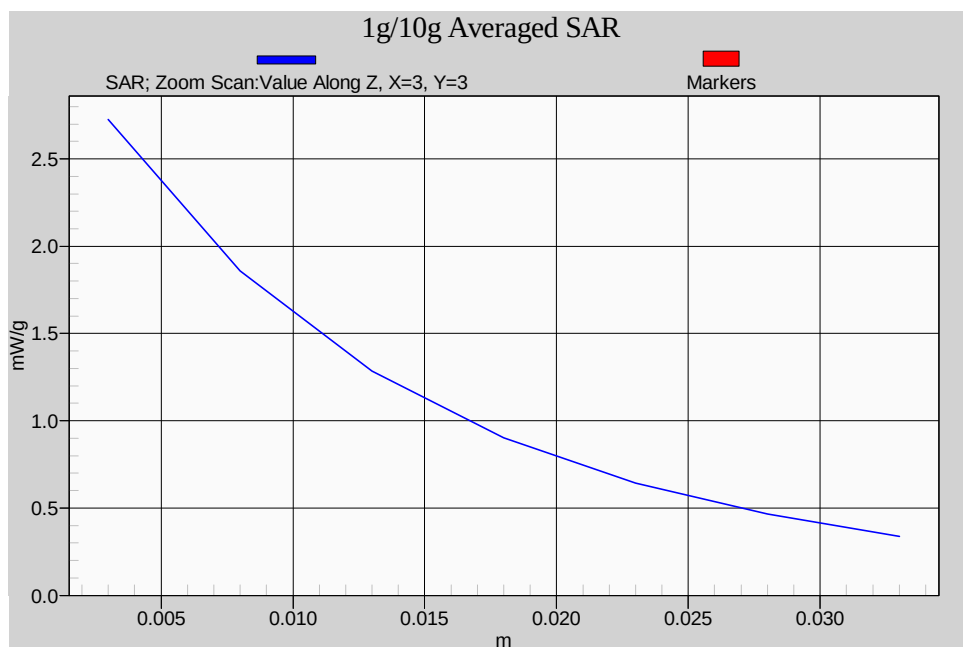


Body-Tissue-Simulating-Liquid 835MHz (03/29/2012)

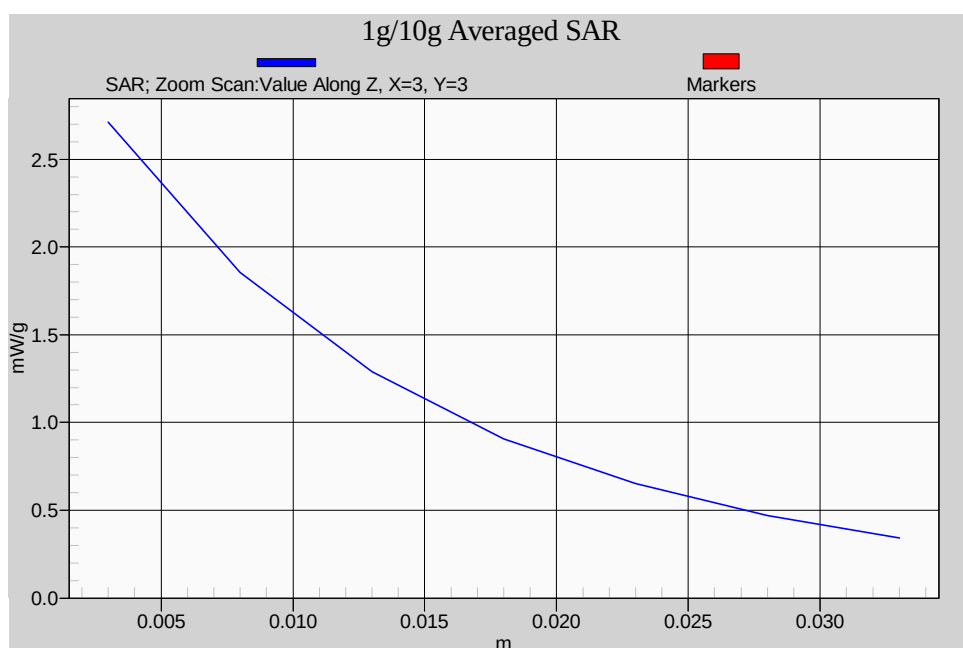


Body-Tissue-Simulating-Liquid 835MHz (03/30/2012)

Z-axis Plot of System Performance Check



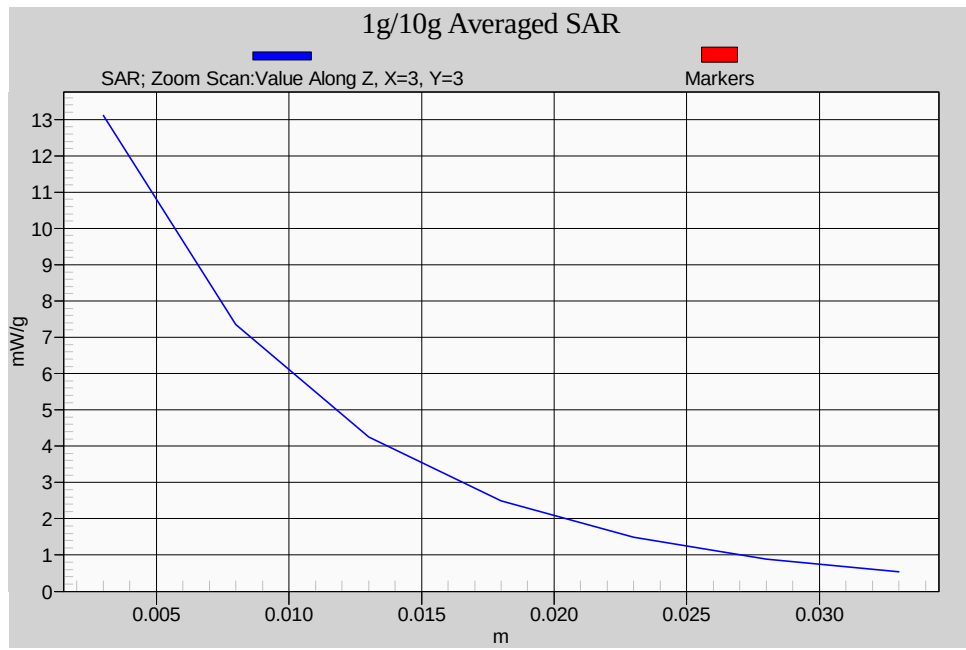
Body-Tissue-Simulating-Liquid 835MHz (04/03/2012)



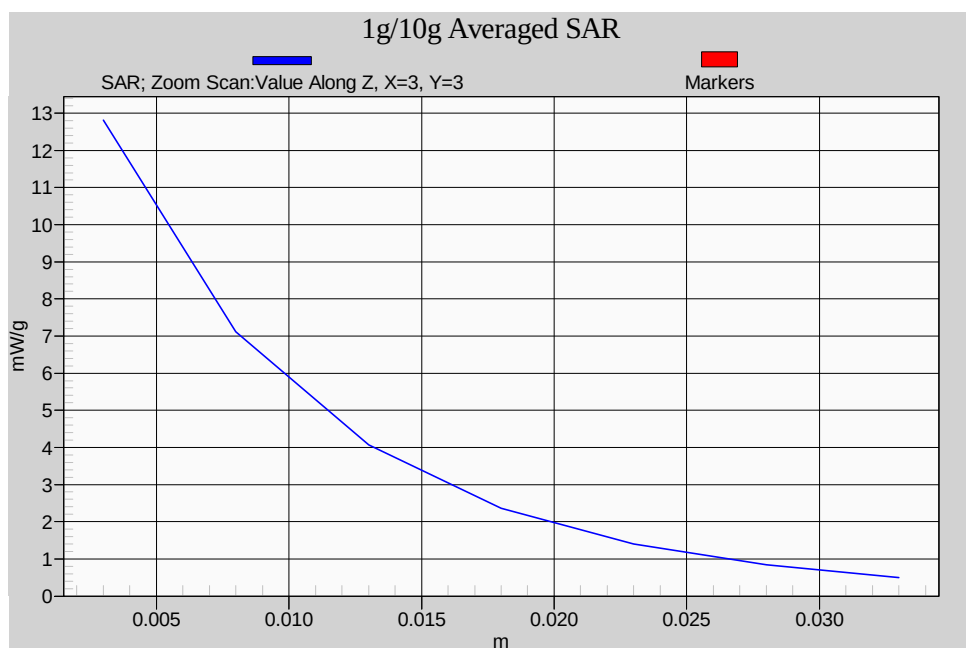
Body-Tissue-Simulating-Liquid 835MHz (04/05/2012)



Z-axis Plot of System Performance Check

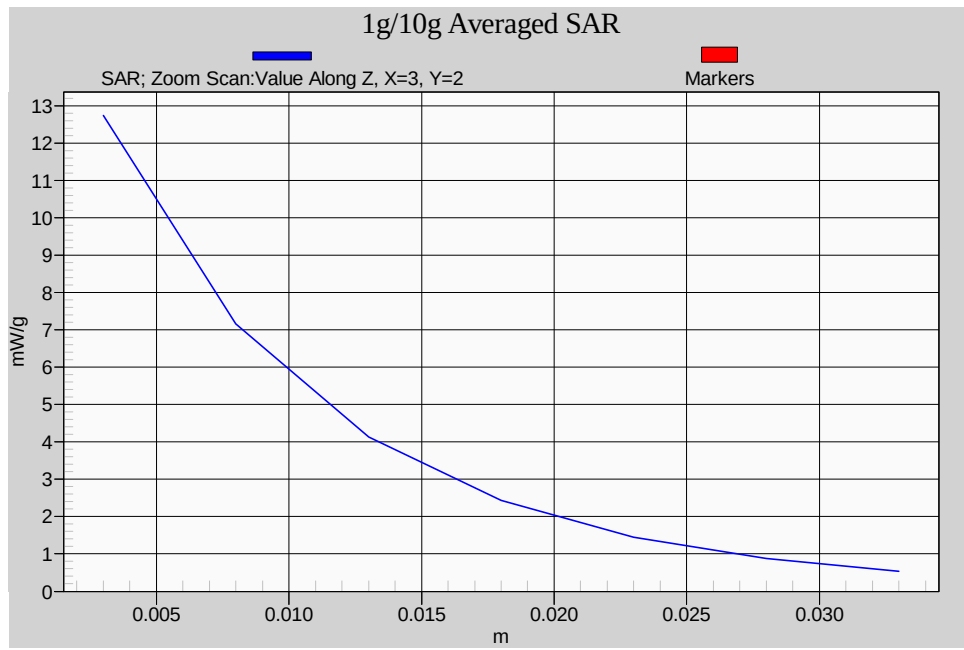


Body-Tissue-Simulating-Liquid 1900MHz (03/30/2012)

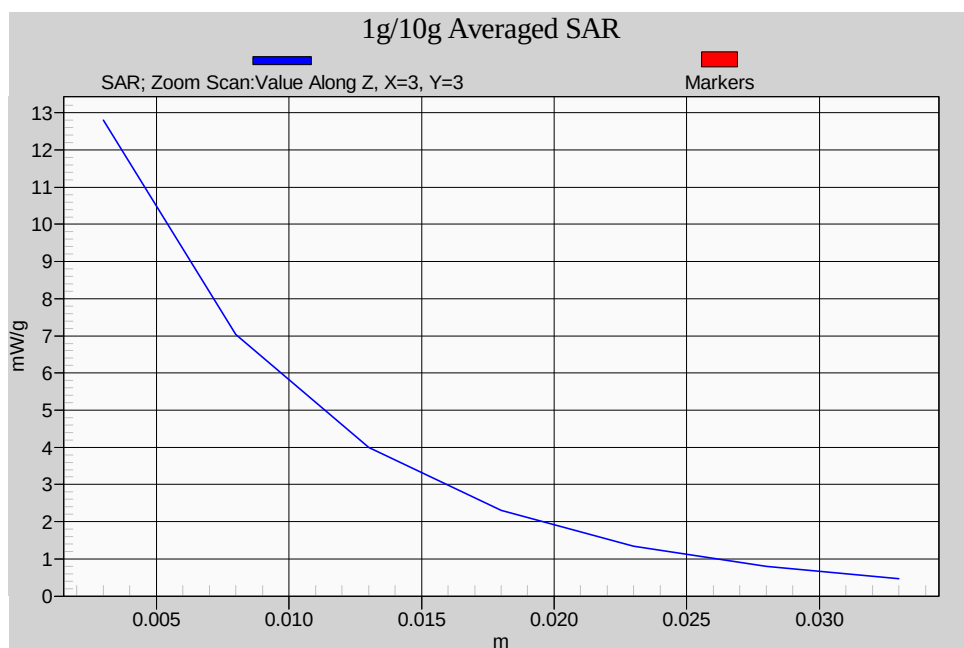


Body-Tissue-Simulating-Liquid 1900MHz (03/31/2012)

Z-axis Plot of System Performance Check

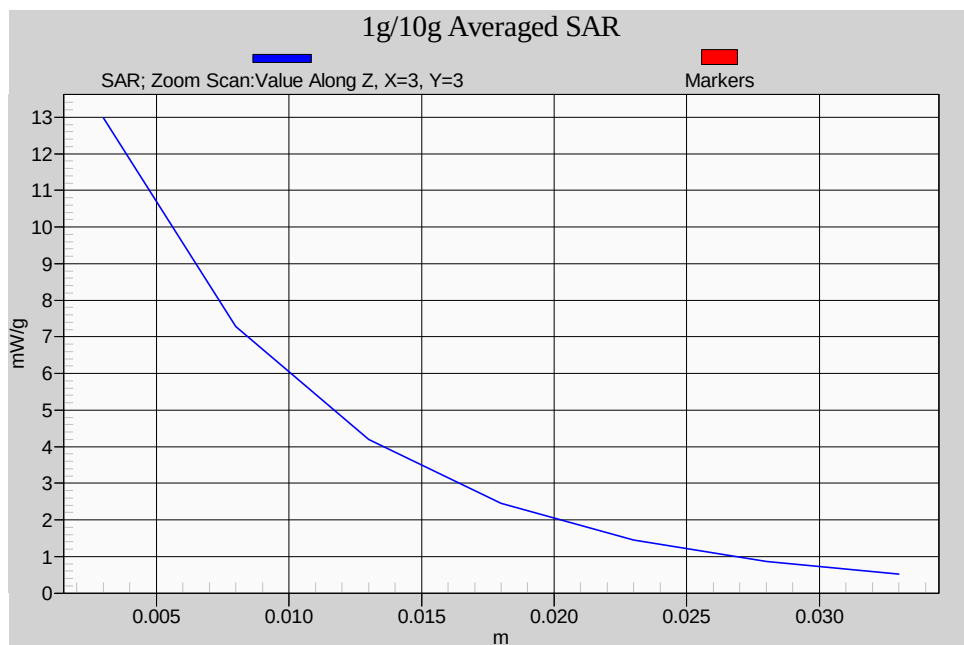


Body-Tissue-Simulating-Liquid 1900MHz (04/01/2012)



Body-Tissue-Simulating-Liquid 1900MHz (04/02/2012)

Z-axis Plot of System Performance Check



Body-Tissue-Simulating-Liquid 1900MHz (04/03/2012)



7. Test Equipment List

Manufacturer	Name of Equipment	Type/Model	Serial Number	Calibration	
				Last Cal.	Due Date
SPEAG	Dosimetric E-Field Probe	EX3DV3	3519	02/21/2012	02/21/2013
SPEAG	835MHz System Validation Kit	D835V2	4d082	07/19/2011	07/19/2012
SPEAG	1900MHz System Validation Kit	D1900V2	5d111	07/22/2011	07/22/2012
SPEAG	Data Acquisition Electronics	DAE4	779	01/23/2012	01/23/2013
SPEAG	Measurement Server	SE UMS 011 AA	1025	NCR	
SPEAG	Device Holder	N/A	N/A	NCR	
SPEAG	Phantom	ELI 4.0	1036	NCR	
SPEAG	Robot	Staubli TX90XL	F07/564ZA1/C/01	NCR	
SPEAG	Software	DASY5 V5.0 Build 125	N/A	NCR	
SPEAG	Software	SEMCAD V13.4 Build 125	N/A	NCR	
Agilent	Dielectric Probe Kit	85070C	US99360094	NCR	
Agilent	ENA Series Network Analyzer	E5071B	MY42404655	04/05/2012	04/05/2014
R&S	Power Sensor	NRP-Z22	100179	05/27/2011	05/27/2012
Agilent	MXG Vector Signal Generator	N5182A	MY47420962	05/24/2011	05/24/2013
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 13. Test Equipment List



8. **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 ± 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 ± 2 dB can be expected.

According to CENELEC [10], typical worst-case uncertainty of field measurements is ± 5 dB. For well-defined modulation characteristics the uncertainty can be reduced to ± 3 dB.

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

Table 14. Uncertainty Budget of DASY

Table 15.

9. **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

9.1 **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



9.2 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 7x7x9 points with step size 5, 5 and 3 mm for 300 MHz to 3 GHz, and 7x7x9 points with step size 5, 5 and 3 mm for 3 GHz to 6 GHz. The Zoom Scan is performed around the highest E-field value to determine the averaged SAR-distribution over 10 g.

9.3 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 (step-size is 4, 4 and 2.5 mm). When all volume scan were completed, the software, SEMCAD postprocessor can combine and subsequently superpose these measurement data to calculating the multiband SAR.

9.4 SAR Averaged Methods

In DASYS, 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.

9.5 Power Drift Monitoring

All SAR testing is under the DUT install full charged battery and transmit maximum output power. In DASYS 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.

10. SAR Test Results Summary

10.1 Body SAR

Measurement Results									
Band	Frequency		Power (dBm)	Phantom Position	Spacing (mm)	Accessory	SAR _{1g} [mW/g]	Power Drift (dB)	Remark
	CH	MHz							
GPRS 850 3Down2Up	190	836.6	32.70	Flat	0	Hip pad Battery	0.207	0.11800	Front Surface to Phantom
	190	836.6	32.70	Flat	0	Hip pad Battery+ Hand Strap	0.204	0.06500	Front Surface to Phantom
	190	836.6	32.70	Flat	0	Hip pad Battery+ Shoulder strap	0.223	0.19500	Front Surface to Phantom
	190	836.6	32.70	Flat	0	Thick Battery	0.185	0.06200	Front Surface to Phantom
	190	836.6	32.70	Flat	0	Thick Battery+ Hand Strap	0.180	0.06700	Front Surface to Phantom
	190	836.6	32.70	Flat	0	Thick Battery+ Shoulder strap	0.173	-0.04000	Front Surface to Phantom
	128	824.2	32.60	Flat	0	Hip pad Battery	1.240	-0.05800	Back Surface to Phantom
	190	836.6	32.70	Flat	0	Hip pad Battery	1.190	-0.03800	Back Surface to Phantom
	251	848.8	32.40	Flat	0	Hip pad Battery	1.120	-0.11200	Back Surface to Phantom
	190	836.6	32.70	Flat	0	Hip pad Battery+ Hand Strap	0.786	-0.07200	Back Surface to Phantom
	190	836.6	32.70	Flat	0	Hip pad Battery+ Shoulder strap	0.726	-0.03500	Back Surface to Phantom
	128	824.2	32.60	Flat	0	Thick Battery	1.380	-0.05900	Back Surface to Phantom
	190	836.6	32.70	Flat	0	Thick Battery	1.450	-0.03400	Back Surface to Phantom
	251	848.8	32.40	Flat	0	Thick Battery	1.530	-0.00464	Back Surface to Phantom
	128	824.2	32.60	Flat	0	Thick Battery+ Hand Strap	1.550	0.07100	Back Surface to Phantom
	190	836.6	32.70	Flat	0	Thick Battery+ Hand Strap	1.470	-0.01200	Back Surface to Phantom
	251	848.8	32.40	Flat	0	Thick Battery+ Hand Strap	1.430	-0.05200	Back Surface to Phantom
Std. C95.1-1999 - Safety Limit Spatial Peak Uncontrolled Exposure/General Population						1.6 W/kg (mW/g) Averaged over 1 gram			

Measurement Results									
Band	Frequency		Power (dBm)	Phantom Position	Spacing (mm)	Accessory	SAR _{1g} [mW/g]	Power Drift (dB)	Remark
	CH	MHz							
GPRS 850 3Down2Up	128	824.2	32.60	Flat	0	Thick Battery+ Shoulder strap	1.510	-0.15500	Back Surface to Phantom
	190	836.6	32.70	Flat	0	Thick Battery+ Shoulder strap	1.450	0.00982	Back Surface to Phantom
	251	848.8	32.40	Flat	0	Thick Battery+ Shoulder strap	1.410	-0.01900	Back Surface to Phantom
	128	824.2	32.60	Flat	0	Thick Battery+ Hand Strap +Barcode and Magnetic	1.540	-0.04200	Back Surface to Phantom
	190	836.6	32.70	Flat	0	Thick Battery+ Hand Strap +Barcode and Magnetic	1.290	-0.12800	Back Surface to Phantom
	251	848.8	32.40	Flat	0	Thick Battery+ Hand Strap +Barcode and Magnetic	1.240	-0.07400	Back Surface to Phantom
Std. C95.1-1999 - Safety Limit Spatial Peak Uncontrolled Exposure/General Population						1.6 W/kg (mW/g) Averaged over 1 gram			

Measurement Results									
Band	Frequency		Power (dBm)	Phantom Position	Spacing (mm)	Accessory	SAR _{1g} [mW/g]	Power Drift (dB)	Remark
	CH	MHz							
GPRS 1900 3Down2Up	661	1880.0	29.30	Flat	0	Hip pad Battery	0.115	0.18900	Front Surface to Phantom
	661	1880.0	29.30	Flat	0	Hip pad Battery+ Hand Strap	0.118	-0.06000	Front Surface to Phantom
	661	1880.0	29.30	Flat	0	Hip pad Battery+ Shoulder strap	0.132	0.12600	Front Surface to Phantom
	661	1880.0	29.30	Flat	0	Thick Battery	0.129	0.12600	Front Surface to Phantom
	661	1880.0	29.30	Flat	0	Thick Battery+ Hand Strap	0.124	-0.11800	Front Surface to Phantom
	661	1880.0	29.30	Flat	0	Thick Battery+ Shoulder strap	0.117	-0.06600	Front Surface to Phantom
	661	1880.0	29.30	Flat	0	Hip pad Battery	0.402	-0.19000	Back Surface to Phantom
	661	1880.0	29.30	Flat	0	Hip pad Battery+ Hand Strap	0.416	-0.00258	Back Surface to Phantom
	661	1880.0	29.30	Flat	0	Hip pad Battery+ Shoulder strap	0.409	0.06800	Back Surface to Phantom
	661	1880.0	29.30	Flat	0	Thick Battery	0.403	0.18600	Back Surface to Phantom
	661	1880.0	29.30	Flat	0	Thick Battery+ Hand Strap	0.412	0.00333	Back Surface to Phantom
	661	1880.0	29.30	Flat	0	Thick Battery+ Shoulder strap	0.411	0.16300	Back Surface to Phantom
Std. C95.1-1999 - Safety Limit Spatial Peak Uncontrolled Exposure/General Population						1.6 W/kg (mW/g) Averaged over 1 gram			

Measurement Results									
Band	Frequency		Power (dBm)	Phantom Position	Spacing (mm)	Accessory	SAR _{1g} [mW/g]	Power Drift (dB)	Remark
	CH	MHz							
WCDMA Band II	9400	1880.0	24.50	Flat	0	Hip pad Battery	0.213	-0.14500	Front Surface to Phantom
	9400	1880.0	24.50	Flat	0	Hip pad Battery+ Hand Strap	0.224	0.05400	Front Surface to Phantom
	9400	1880.0	24.50	Flat	0	Hip pad Battery+ Shoulder strap	0.229	0.16000	Front Surface to Phantom
	9400	1880.0	24.50	Flat	0	Thick Battery	0.202	0.13100	Front Surface to Phantom
	9400	1880.0	24.50	Flat	0	Thick Battery+ Hand Strap	0.206	0.04400	Front Surface to Phantom
	9400	1880.0	24.50	Flat	0	Thick Battery+ Shoulder strap	0.208	0.12200	Front Surface to Phantom
	9400	1880.0	24.50	Flat	0	Hip pad Battery	0.636	0.09900	Back Surface to Phantom
	9400	1880.0	24.50	Flat	0	Hip pad Battery+ Hand Strap	0.644	0.10300	Back Surface to Phantom
	9400	1880.0	24.50	Flat	0	Hip pad Battery+ Shoulder strap	0.621	-0.10800	Back Surface to Phantom
	9400	1880.0	24.50	Flat	0	Thick Battery	0.653	-0.05800	Back Surface to Phantom
	9400	1880.0	24.50	Flat	0	Thick Battery+ Hand Strap	0.678	-0.01100	Back Surface to Phantom
	9400	1880.0	24.50	Flat	0	Thick Battery+ Shoulder strap	0.680	0.02800	Back Surface to Phantom
WCDMA Band V	4183	836.6	24.50	Flat	0	Hip pad Battery	0.143	0.10000	Front Surface to Phantom
	4183	836.6	24.50	Flat	0	Hip pad Battery+ Hand Strap	0.141	0.02900	Front Surface to Phantom
	4183	836.6	24.50	Flat	0	Hip pad Battery+ Shoulder strap	0.148	-0.00397	Front Surface to Phantom
	4183	836.6	24.50	Flat	0	Thick Battery	0.135	-0.11500	Front Surface to Phantom
	4183	836.6	24.50	Flat	0	Thick Battery+ Hand Strap	0.138	0.02200	Front Surface to Phantom
Std. C95.1-1999 - Safety Limit Spatial Peak Uncontrolled Exposure/General Population						1.6 W/kg (mW/g) Averaged over 1 gram			

Measurement Results									
Band	Frequency		Power (dBm)	Phantom Position	Spacing (mm)	Accessory	SAR _{1g} [mW/g]	Power Drift (dB)	Remark
	CH	MHz							
WCDMA Band V	4183	836.6	24.50	Flat	0	Thick Battery+ Shoulder strap	0.150	-0.07600	Front Surface to Phantom
	4132	826.4	24.29	Flat	0	Hip pad Battery	0.983	-0.10300	Back Surface to Phantom
	4183	836.6	24.50	Flat	0	Hip pad Battery	0.877	0.02800	Back Surface to Phantom
	4233	846.6	24.45	Flat	0	Hip pad Battery	0.803	-0.08800	Back Surface to Phantom
	4132	826.4	24.29	Flat	0	Hip pad Battery+ Hand Strap	0.928	-0.07500	Back Surface to Phantom
	4183	836.6	24.50	Flat	0	Hip pad Battery+ Hand Strap	0.901	-0.04100	Back Surface to Phantom
	4233	846.6	24.45	Flat	0	Hip pad Battery+ Hand Strap	0.799	-0.15900	Back Surface to Phantom
	4183	836.6	24.50	Flat	0	Hip pad Battery+ Shoulder strap	0.758	0.03600	Back Surface to Phantom
	4132	826.4	24.29	Flat	0	Thick Battery	1.140	-0.05400	Back Surface to Phantom
	4183	836.6	24.50	Flat	0	Thick Battery	1.090	-0.01700	Back Surface to Phantom
	4233	846.6	24.45	Flat	0	Thick Battery	1.010	-0.03300	Back Surface to Phantom
	4132	826.4	24.29	Flat	0	Thick Battery+ Hand Strap	1.180	0.01800	Back Surface to Phantom
	4183	836.6	24.50	Flat	0	Thick Battery+ Hand Strap	1.110	-0.11300	Back Surface to Phantom
	4233	846.6	24.45	Flat	0	Thick Battery+ Hand Strap	1.000	-0.03200	Back Surface to Phantom
	4132	826.4	24.29	Flat	0	Thick Battery+ Shoulder strap	1.170	-0.02800	Back Surface to Phantom
	4183	836.6	24.50	Flat	0	Thick Battery+ Shoulder strap	1.060	-0.03000	Back Surface to Phantom
	4233	846.6	24.45	Flat	0	Thick Battery+ Shoulder strap	1.010	-0.06200	Back Surface to Phantom
Std. C95.1-1999 - Safety Limit Spatial Peak Uncontrolled Exposure/General Population						1.6 W/kg (mW/g) Averaged over 1 gram			

Measurement Results									
Band	Frequency		Power (dBm)	Phantom Position	Spacing (mm)	Accessory	SAR _{1g} [mW/g]	Power Drift (dB)	Remark
	CH	MHz							
CDMA Cellular RC3/SO55	384	836.52	24.15	Flat	0	Hip pad Battery	0.147	-0.17000	Front Surface to Phantom
	384	836.52	24.15	Flat	0	Hip pad Battery+ Hand Strap	0.154	-0.15000	Front Surface to Phantom
	384	836.52	24.15	Flat	0	Hip pad Battery+ Shoulder strap	0.153	0.10300	Front Surface to Phantom
	384	836.52	24.15	Flat	0	Thick Battery	0.142	-0.02100	Front Surface to Phantom
	384	836.52	24.15	Flat	0	Thick Battery+ Hand Strap	0.119	0.16400	Front Surface to Phantom
	384	836.52	24.15	Flat	0	Thick Battery+ Shoulder strap	0.126	0.10300	Front Surface to Phantom
	1013	824.70	23.96	Flat	0	Hip pad Battery	0.824	-0.14300	Back Surface to Phantom
	384	836.52	24.15	Flat	0	Hip pad Battery	0.806	0.12000	Back Surface to Phantom
	777	848.31	23.84	Flat	0	Hip pad Battery	0.740	-0.03900	Back Surface to Phantom
	384	836.52	24.15	Flat	0	Hip pad Battery+ Hand Strap	0.725	-0.05600	Back Surface to Phantom
	384	836.52	24.15	Flat	0	Hip pad Battery+ Shoulder strap	0.660	-0.16900	Back Surface to Phantom
	1013	824.70	23.96	Flat	0	Thick Battery	1.000	-0.08000	Back Surface to Phantom
	384	836.52	24.15	Flat	0	Thick Battery	0.914	0.05400	Back Surface to Phantom
	777	848.31	23.84	Flat	0	Thick Battery	1.050	0.13400	Back Surface to Phantom
	1013	824.70	23.96	Flat	0	Thick Battery+ Hand Strap	1.030	-0.00063	Back Surface to Phantom
	384	836.52	24.15	Flat	0	Thick Battery+ Hand Strap	0.901	-0.00802	Back Surface to Phantom
	777	848.31	23.84	Flat	0	Thick Battery+ Hand Strap	0.946	0.00490	Back Surface to Phantom
Std. C95.1-1999 - Safety Limit Spatial Peak Uncontrolled Exposure/General Population						1.6 W/kg (mW/g) Averaged over 1 gram			

Measurement Results									
Band	Frequency		Power (dBm)	Phantom Position	Spacing (mm)	Accessory	SAR _{1g} [mW/g]	Power Drift (dB)	Remark
	CH	MHz							
CDMA Cellular RC3/SO55	1013	824.70	23.96	Flat	0	Thick Battery+ Shoulder strap	1.050	-0.10600	Back Surface to Phantom
	384	836.52	24.15	Flat	0	Thick Battery+ Shoulder strap	1.000	-0.00705	Back Surface to Phantom
	777	848.31	23.84	Flat	0	Thick Battery+ Shoulder strap	0.974	-0.10600	Back Surface to Phantom
1xRTT Cellular RC3/SO32	384	836.52	24.17	Flat	0	Hip pad Battery	0.105	-0.15400	Front Surface to Phantom
	384	836.52	24.17	Flat	0	Hip pad Battery+ Hand Strap	0.108	0.18200	Front Surface to Phantom
	384	836.52	24.17	Flat	0	Hip pad Battery+ Shoulder strap	0.111	0.04000	Front Surface to Phantom
	384	836.52	24.17	Flat	0	Thick Battery	0.113	-0.04800	Front Surface to Phantom
	384	836.52	24.17	Flat	0	Thick Battery+ Hand Strap	0.113	0.17200	Front Surface to Phantom
	384	836.52	24.17	Flat	0	Thick Battery+ Shoulder strap	0.126	-0.17000	Front Surface to Phantom
	384	836.52	24.17	Flat	0	Hip pad Battery	0.673	-0.05600	Back Surface to Phantom
	384	836.52	24.17	Flat	0	Hip pad Battery+ Hand Strap	0.694	-0.08100	Back Surface to Phantom
	384	836.52	24.17	Flat	0	Hip pad Battery+ Shoulder strap	0.594	-0.10200	Back Surface to Phantom
	1013	824.70	23.99	Flat	0	Thick Battery	0.968	-0.02000	Back Surface to Phantom
	384	836.52	24.17	Flat	0	Thick Battery	0.857	0.09200	Back Surface to Phantom
	777	848.31	23.79	Flat	0	Thick Battery	0.837	0.16200	Back Surface to Phantom
	1013	824.70	23.99	Flat	0	Thick Battery+ Hand Strap	0.955	-0.03800	Back Surface to Phantom
	384	836.52	24.17	Flat	0	Thick Battery+ Hand Strap	0.894	-0.03200	Back Surface to Phantom
Std. C95.1-1999 - Safety Limit Spatial Peak Uncontrolled Exposure/General Population						1.6 W/kg (mW/g) Averaged over 1 gram			

Measurement Results									
Band	Frequency		Power (dBm)	Phantom Position	Spacing (mm)	Accessory	SAR _{1g} [mW/g]	Power Drift (dB)	Remark
	CH	MHz							
1xRTT Cellular RC3/SO32	777	848.31	23.79	Flat	0	Thick Battery+ Hand Strap	0.872	-0.11100	Back Surface to Phantom
	1013	824.70	23.99	Flat	0	Thick Battery+ Shoulder strap	0.991	0.01200	Back Surface to Phantom
	384	836.52	24.17	Flat	0	Thick Battery+ Shoulder strap	0.919	-0.05400	Back Surface to Phantom
	777	848.31	23.79	Flat	0	Thick Battery+ Shoulder strap	0.908	0.06500	Back Surface to Phantom
1xEVDO Rev.0 Cellular RTAP 153.6K	384	836.52	24.03	Flat	0	Hip pad Battery	0.113	-0.01500	Front Surface to Phantom
	384	836.52	24.03	Flat	0	Hip pad Battery+ Hand Strap	0.118	0.19500	Front Surface to Phantom
	384	836.52	24.03	Flat	0	Hip pad Battery+ Shoulder strap	0.116	0.16500	Front Surface to Phantom
	384	836.52	24.03	Flat	0	Thick Battery	0.114	-0.04900	Front Surface to Phantom
	384	836.52	24.03	Flat	0	Thick Battery+ Hand Strap	0.119	0.10800	Front Surface to Phantom
	384	836.52	24.03	Flat	0	Thick Battery+ Shoulder strap	0.134	-0.13700	Front Surface to Phantom
	384	836.52	24.03	Flat	0	Hip pad Battery	0.751	-0.13700	Back Surface to Phantom
	384	836.52	24.03	Flat	0	Hip pad Battery+ Hand Strap	0.745	-0.14500	Back Surface to Phantom
	384	836.52	24.03	Flat	0	Hip pad Battery+ Shoulder strap	0.615	-0.03700	Back Surface to Phantom
	1013	824.70	23.99	Flat	0	Thick Battery	0.935	0.03800	Back Surface to Phantom
	384	836.52	24.03	Flat	0	Thick Battery	0.844	-0.01100	Back Surface to Phantom
	777	848.31	23.73	Flat	0	Thick Battery	0.802	-0.00350	Back Surface to Phantom
	1013	824.70	23.99	Flat	0	Thick Battery+ Hand Strap	0.869	-0.09400	Back Surface to Phantom
Std. C95.1-1999 - Safety Limit Spatial Peak Uncontrolled Exposure/General Population						1.6 W/kg (mW/g) Averaged over 1 gram			

Measurement Results									
Band	Frequency		Power (dBm)	Phantom Position	Spacing (mm)	Accessory	SAR _{1g} [mW/g]	Power Drift (dB)	Remark
	CH	MHz							
1xEVDO Rev.0 Cellular RTAP 153.6K	384	836.52	24.03	Flat	0	Thick Battery+ Hand Strap	0.827	-0.03700	Back Surface to Phantom
	777	848.31	23.73	Flat	0	Thick Battery+ Hand Strap	0.799	-0.03800	Back Surface to Phantom
	1013	824.70	23.99	Flat	0	Thick Battery+ Shoulder strap	0.896	-0.10700	Back Surface to Phantom
	384	836.52	24.03	Flat	0	Thick Battery+ Shoulder strap	0.863	-0.13900	Back Surface to Phantom
	777	848.31	23.73	Flat	0	Thick Battery+ Shoulder strap	0.833	0.02600	Back Surface to Phantom
1xEVDO Rev.A Cellular RETAP Payload size 4096 bits	384	836.52	23.41	Flat	0	Hip pad Battery	0.104	0.11900	Front Surface to Phantom
	384	836.52	23.41	Flat	0	Hip pad Battery+ Hand Strap	0.106	-0.03000	Front Surface to Phantom
	384	836.52	23.41	Flat	0	Hip pad Battery+ Shoulder strap	0.105	0.18800	Front Surface to Phantom
	384	836.52	23.41	Flat	0	Thick Battery	0.101	0.18700	Front Surface to Phantom
	384	836.52	23.41	Flat	0	Thick Battery+ Hand Strap	0.112	-0.05500	Front Surface to Phantom
	384	836.52	23.41	Flat	0	Thick Battery+ Shoulder strap	0.096	-0.17100	Front Surface to Phantom
	384	836.52	23.41	Flat	0	Hip pad Battery	0.601	-0.18300	Back Surface to Phantom
	384	836.52	23.41	Flat	0	Hip pad Battery+ Hand Strap	0.588	0.04500	Back Surface to Phantom
	384	836.52	23.41	Flat	0	Hip pad Battery+ Shoulder strap	0.619	0.06900	Back Surface to Phantom
	1013	824.70	23.31	Flat	0	Thick Battery	0.857	0.08400	Back Surface to Phantom
	384	836.52	23.41	Flat	0	Thick Battery	0.842	-0.03600	Back Surface to Phantom
	777	848.31	23.22	Flat	0	Thick Battery	0.829	-0.10500	Back Surface to Phantom
Std. C95.1-1999 - Safety Limit Spatial Peak Uncontrolled Exposure/General Population						1.6 W/kg (mW/g) Averaged over 1 gram			

Measurement Results									
Band	Frequency		Power (dBm)	Phantom Position	Spacing (mm)	Accessory	SAR _{1g} [mW/g]	Power Drift (dB)	Remark
	CH	MHz							
1xEVDO Rev.A Cellular RETAP Payload size 4096 bits	1013	824.70	23.31	Flat	0	Thick Battery+ Hand Strap	0.862	-0.05700	Back Surface to Phantom
	384	836.52	23.41	Flat	0	Thick Battery+ Hand Strap	0.817	-0.07800	Back Surface to Phantom
	777	848.31	23.22	Flat	0	Thick Battery+ Hand Strap	0.811	-0.07500	Back Surface to Phantom
	1013	824.70	23.31	Flat	0	Thick Battery+ Shoulder strap	0.886	-0.16800	Back Surface to Phantom
	384	836.52	23.41	Flat	0	Thick Battery+ Shoulder strap	0.802	0.01300	Back Surface to Phantom
	777	848.31	23.22	Flat	0	Thick Battery+ Shoulder strap	0.735	0.03000	Back Surface to Phantom
CDMA PCS	600	1880.00	23.91	Flat	0	Hip pad Battery	0.200	0.11400	Front Surface to Phantom
	600	1880.00	23.91	Flat	0	Hip pad Battery+ Hand Strap	0.168	0.00608	Front Surface to Phantom
	600	1880.00	23.91	Flat	0	Hip pad Battery+ Shoulder strap	0.158	0.11000	Front Surface to Phantom
	600	1880.00	23.91	Flat	0	Thick Battery	0.204	0.08600	Front Surface to Phantom
	600	1880.00	23.91	Flat	0	Thick Battery+ Hand Strap	0.172	0.04400	Front Surface to Phantom
	600	1880.00	23.91	Flat	0	Thick Battery+ Shoulder strap	0.186	0.14700	Front Surface to Phantom
	600	1880.00	23.91	Flat	0	Hip pad Battery	0.617	-0.11700	Back Surface to Phantom
	600	1880.00	23.91	Flat	0	Hip pad Battery+ Hand Strap	0.524	0.12500	Back Surface to Phantom
	600	1880.00	23.91	Flat	0	Hip pad Battery+ Shoulder strap	0.579	-0.06600	Back Surface to Phantom
	600	1880.00	23.91	Flat	0	Thick Battery	0.596	-0.07000	Back Surface to Phantom
	600	1880.00	23.91	Flat	0	Thick Battery+ Hand Strap	0.560	0.04800	Back Surface to Phantom
	Std. C95.1-1999 - Safety Limit Spatial Peak Uncontrolled Exposure/General Population					1.6 W/kg (mW/g) Averaged over 1 gram			

Measurement Results									
Band	Frequency		Power (dBm)	Phantom Position	Spacing (mm)	Accessory	SAR _{1g} [mW/g]	Power Drift (dB)	Remark
	CH	MHz							
CDMA PCS	600	1880.00	23.91	Flat	0	Thick Battery+ Shoulder strap	0.571	-0.03700	Back Surface to Phantom
1xRTT PCS RC3/SO32	600	1880.00	23.94	Flat	0	Hip pad Battery	0.177	0.00876	Front Surface to Phantom
	600	1880.00	23.94	Flat	0	Hip pad Battery+ Hand Strap	0.175	0.15200	Front Surface to Phantom
	600	1880.00	23.94	Flat	0	Hip pad Battery+ Shoulder strap	0.156	-0.12800	Front Surface to Phantom
	600	1880.00	23.94	Flat	0	Thick Battery	0.185	-0.09300	Front Surface to Phantom
	600	1880.00	23.94	Flat	0	Thick Battery+ Hand Strap	0.182	0.10900	Front Surface to Phantom
	600	1880.00	23.94	Flat	0	Thick Battery+ Shoulder strap	0.187	0.19200	Front Surface to Phantom
	600	1880.00	23.94	Flat	0	Hip pad Battery	0.665	0.05200	Back Surface to Phantom
	600	1880.00	23.94	Flat	0	Hip pad Battery+ Hand Strap	0.646	-0.02000	Back Surface to Phantom
	600	1880.00	23.94	Flat	0	Hip pad Battery+ Shoulder strap	0.617	0.14700	Back Surface to Phantom
	600	1880.00	23.94	Flat	0	Thick Battery	0.529	-0.01100	Back Surface to Phantom
	600	1880.00	23.94	Flat	0	Thick Battery+ Hand Strap	0.556	-0.00823	Back Surface to Phantom
	600	1880.00	23.94	Flat	0	Thick Battery+ Shoulder strap	0.536	-0.03400	Back Surface to Phantom
Std. C95.1-1999 - Safety Limit Spatial Peak Uncontrolled Exposure/General Population						1.6 W/kg (mW/g) Averaged over 1 gram			

Measurement Results									
Band	Frequency		Power (dBm)	Phantom Position	Spacing (mm)	Accessory	SAR _{1g} [mW/g]	Power Drift (dB)	Remark
	CH	MHz							
1xEVDO Rev.0 PCS RTAP 153.6K	25	1851.25	23.64	Flat	0	Hip pad Battery	0.098	0.02600	Front Surface to Phantom
	25	1851.25	23.64	Flat	0	Hip pad Battery+ Hand Strap	0.104	0.01500	Front Surface to Phantom
	25	1851.25	23.64	Flat	0	Hip pad Battery+ Shoulder strap	0.103	0.16900	Front Surface to Phantom
	25	1851.25	23.64	Flat	0	Thick Battery	0.101	-0.09500	Front Surface to Phantom
	25	1851.25	23.64	Flat	0	Thick Battery+ Hand Strap	0.104	0.06000	Front Surface to Phantom
	25	1851.25	23.64	Flat	0	Thick Battery+ Shoulder strap	0.105	0.11300	Front Surface to Phantom
	25	1851.25	23.64	Flat	0	Hip pad Battery	0.424	0.05200	Back Surface to Phantom
	25	1851.25	23.64	Flat	0	Hip pad Battery+ Hand Strap	0.394	-0.02300	Back Surface to Phantom
	25	1851.25	23.64	Flat	0	Hip pad Battery+ Shoulder strap	0.448	-0.04700	Back Surface to Phantom
	25	1851.25	23.64	Flat	0	Thick Battery	0.390	0.04400	Back Surface to Phantom
	25	1851.25	23.64	Flat	0	Thick Battery+ Hand Strap	0.413	-0.03200	Back Surface to Phantom
	25	1851.25	23.64	Flat	0	Thick Battery+ Shoulder strap	0.431	-0.03600	Back Surface to Phantom
Std. C95.1-1999 - Safety Limit Spatial Peak Uncontrolled Exposure/General Population						1.6 W/kg (mW/g) Averaged over 1 gram			

Measurement Results									
Band	Frequency		Power (dBm)	Phantom Position	Spacing (mm)	Accessory	SAR _{1g} [mW/g]	Power Drift (dB)	Remark
	CH	MHz							
1xEVDO Rev.A PCS RETAP Payload size 4096 bits	600	1880.00	22.73	Flat	0	Hip pad Battery	0.148	0.17100	Front Surface to Phantom
	600	1880.00	22.73	Flat	0	Hip pad Battery+ Hand Strap	0.477	-0.11100	Front Surface to Phantom
	600	1880.00	22.73	Flat	0	Hip pad Battery+ Shoulder strap	0.153	0.17400	Front Surface to Phantom
	600	1880.00	22.73	Flat	0	Thick Battery	0.165	0.00155	Front Surface to Phantom
	600	1880.00	22.73	Flat	0	Thick Battery+ Hand Strap	0.153	0.02200	Front Surface to Phantom
	600	1880.00	22.73	Flat	0	Thick Battery+ Shoulder strap	0.166	0.16600	Front Surface to Phantom
	600	1880.00	22.73	Flat	0	Hip pad Battery	0.471	-0.18600	Back Surface to Phantom
	600	1880.00	22.73	Flat	0	Hip pad Battery+ Hand Strap	0.466	-0.12600	Back Surface to Phantom
	600	1880.00	22.73	Flat	0	Hip pad Battery+ Shoulder strap	0.485	-0.07900	Back Surface to Phantom
	600	1880.00	22.73	Flat	0	Thick Battery	0.481	-0.16800	Back Surface to Phantom
	600	1880.00	22.73	Flat	0	Thick Battery+ Hand Strap	0.512	-0.02300	Back Surface to Phantom
	600	1880.00	22.73	Flat	0	Thick Battery+ Shoulder strap	0.495	0.10600	Back Surface to Phantom
Std. C95.1-1999 - Safety Limit Spatial Peak Uncontrolled Exposure/General Population						1.6 W/kg (mW/g) Averaged over 1 gram			

Notes:

1. 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/OET Bulletin 65, Supplement C [June 2001], IEEE1528-2003 and RSS-102.
2. All modes of operation were investigated, and worst-case results are reported.
3. Tissue parameters and temperatures are listed on the SAR plots.
4. Batteries are fully charged for all readings.
5. 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.
6. The orientation can't rotated, only used for edge bottom.
7. HSDPA & HSUPA power are not more than WCDMA 0.25dB and the SAR value of WCDMA <1.2 mW/g, therefore HSDPA & HSUPA&(HSPA+ QPSK) Stand-alone SAR is not required.
8. Barcode and Magnetic Stripe find worst case of all test result to check effect.

f	Measured Value		Target Value		$\Delta \epsilon(\%)$		$\Delta \sigma(\%)$		For 1g		ΔSAR 1-g(%)	Original SAR	Correction SAR
	Permittivity	conductivity	Permittivity	conductivity	Permittivity	conductivity	$c\epsilon$	$c\sigma$				Worst Case	Worst Case
824.20	54.6	0.958	55.2428571	0.9691429	-1.164	-1.150	-0.21925	0.7541238	-0.612	---	---	---	---
836.60	54.5	0.972	55.1938462	0.9724615	-1.257	-0.047	-0.21942	0.7529613	0.240	1.47	1.474	1.47	1.474
848.80	54.4	0.986	55.1569231	0.9872308	-1.372	-0.125	-0.21958	0.751799	0.208	1.43	1.433	1.43	1.433
824.70	54.6	0.959	55.238961	0.9692208	-1.157	-1.055	-0.21926	0.7540773	-0.542	---	---	---	---
836.52	54.5	0.972	55.1938462	0.9724615	-1.257	-0.047	-0.21942	0.7529689	0.240	1	1.002	1	1.002
848.31	54.4	0.985	55.16	0.986	-1.378	-0.101	-0.21957	0.751846	0.226	1.05	1.052	1.05	1.052
826.40	54.6	0.961	55.2350649	0.9692987	-1.150	-0.856	-0.21928	0.753919	-0.393	---	---	---	---
836.60	54.5	0.972	55.1938462	0.9724615	-1.257	-0.047	-0.21942	0.7529613	0.240	1.11	1.113	1.11	1.113
846.60	54.4	0.984	55.1630769	0.9847692	-1.383	-0.078	-0.21955	0.7520099	0.245	1.01	1.012	1.01	1.012
1880.00	51.4	1.48	53.3	1.52	-3.565	-2.632	-0.22614	0.5979728	-0.767	---	---	---	---
1880.00	51.4	1.48	53.3	1.52	-3.565	-2.632	-0.22614	0.5979728	-0.767	---	---	---	---
1880.00	51.4	1.48	53.3	1.52	-3.565	-2.632	-0.22614	0.5979728	-0.767	---	---	---	---
1851.25	51.5	1.45	53.3	1.52	-3.377	-4.605	-0.22612	0.6034635	-2.015	---	---	---	---

SAR Correction Formula	
SAR 1-g	$c_{\epsilon} = -7,854 \times 10^{-4} f^3 + 9,402 \times 10^{-3} f^2 - 2,742 \times 10^{-2} f - 0,202 \ 6$ $c_{\sigma} = 9,804 \times 10^{-3} f^3 - 8,661 \times 10^{-2} f^2 + 2,981 \times 10^{-2} f + 0,782 \ 9$
SAR 10-g	$c_{\epsilon} = 3,456 \times 10^{-3} f^3 - 3,531 \times 10^{-2} f^2 + 7,675 \times 10^{-2} f - 0,186 \ 6$ $c_{\sigma} = 4,479 \times 10^{-3} f^3 - 1,586 \times 10^{-2} f^2 - 0,197 \ 2 f + 0,771 \ 7$

10.2 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 16. 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).



11. Conclusion

The SAR test values found for the portable mobile phone **LXE Inc Trade Name : LXE Model(s) : Gobi2000** is below the maximum recommended level of 1.6 W/kg (mW/g).

12. 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. Poković, 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.
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- [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.
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- [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] RSS-102, Issue 4 (March 2010), Radio Standards Specification 102.
- [12] KDB248227 D01 SAR meas for 802 11 a b g v01r02.
- [13] KDB 648474 D01 SAR Handsets Multi Xmitter and Ant v01r05
- [14] KDB 941225 D01 SAR Test for 3G Devices 3G-SAR
- [15] KDB 941225 D03 SAR Test Reduction GSM GPRS EDGE
- [16] KDB 941225 D04 SAR for GSM E GPRS Dual Xfer Mode v01
- [17] KDB 941225 D06 Hot Spot SAR v01



Appendix A - System Performance Check

Test Laboratory: A Test Lab Techno Corp.
Date/Time: 3/23/2012 7:09:46 AM

System Performance Check at 835MHz_20120323_Body

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

Communication System: CW; Frequency: 835 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 835 \text{ MHz}$; $\sigma = 0.97 \text{ mho/m}$; $\epsilon_r = 54.5$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

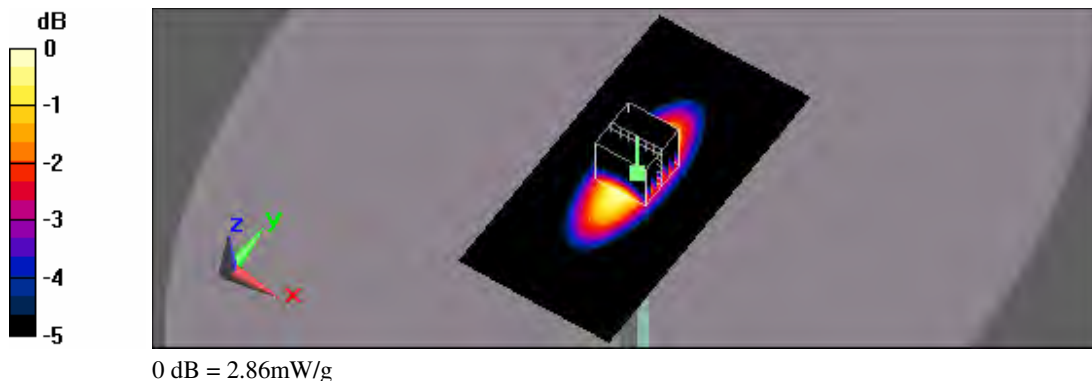
- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV3 - SN3519; ConvF(10.36, 10.36, 10.36); Calibrated: 2/21/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 1/23/2012
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

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

Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Maximum value of SAR (interpolated) = 2.87 mW/g

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 = 54.6 V/m; Power Drift = 0.037 dB
Peak SAR (extrapolated) = 3.59 W/kg
SAR(1 g) = 2.46 mW/g; SAR(10 g) = 1.63 mW/g
Maximum value of SAR (measured) = 2.86 mW/g



Test Laboratory: A Test Lab Techno Corp.
Date/Time: 3/24/2012 9:54:24 AM

System Performance Check at 835MHz_20120324_Body

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

Communication System: CW; Frequency: 835 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 835 \text{ MHz}$; $\sigma = 0.97 \text{ mho/m}$; $\epsilon_r = 54.5$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section
Measurement Standard: DASYS (IEEE/IEC)

DASY5 Configuration:

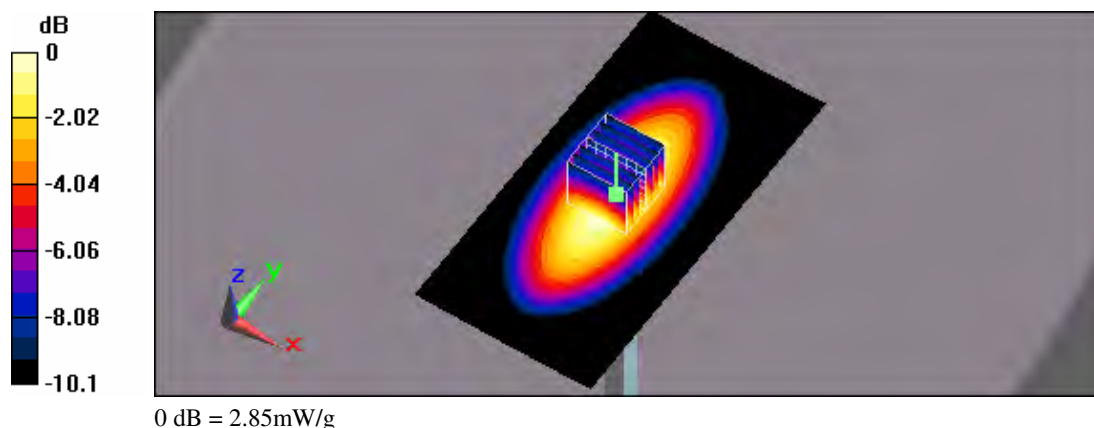
- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV3 - SN3519; ConvF(10.36, 10.36, 10.36); Calibrated: 2/21/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 1/23/2012
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASYS, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

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

Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Maximum value of SAR (interpolated) = 2.84 mW/g

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 = 54.4 V/m; Power Drift = 0.012 dB
Peak SAR (extrapolated) = 3.57 W/kg
SAR(1 g) = 2.45 mW/g; SAR(10 g) = 1.63 mW/g
Maximum value of SAR (measured) = 2.85 mW/g



Test Laboratory: A Test Lab Techno Corp.
Date/Time: 3/25/2012 9:49:50 AM

System Performance Check at 835MHz_20120325_Body

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

Communication System: CW; Frequency: 835 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 835 \text{ MHz}$; $\sigma = 0.97 \text{ mho/m}$; $\epsilon_r = 54.5$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section
Measurement Standard: DASYS (IEEE/IEC)

DASY5 Configuration:

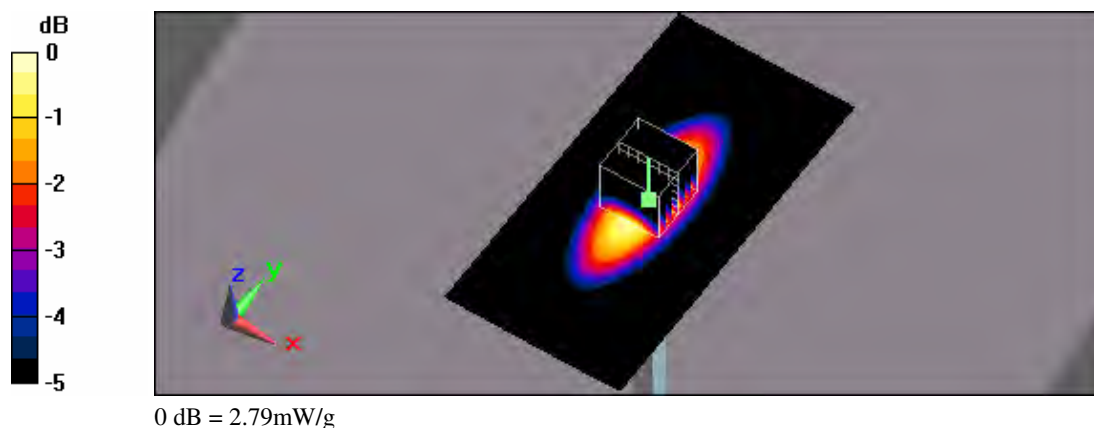
- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV3 - SN3519; ConvF(10.36, 10.36, 10.36); Calibrated: 2/21/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 1/23/2012
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASYS, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

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

Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Maximum value of SAR (interpolated) = 2.78 mW/g

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 = 54 V/m; Power Drift = 0.00331 dB
Peak SAR (extrapolated) = 3.5 W/kg
SAR(1 g) = 2.4 mW/g; SAR(10 g) = 1.59 mW/g
Maximum value of SAR (measured) = 2.79 mW/g



Test Laboratory: A Test Lab Techno Corp.
Date/Time: 3/26/2012 9:56:22 AM

System Performance Check at 835MHz_20120326_Body

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

Communication System: CW; Frequency: 835 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 835 \text{ MHz}$; $\sigma = 0.97 \text{ mho/m}$; $\epsilon_r = 54.5$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section
Measurement Standard: DASYS (IEEE/IEC)

DASY5 Configuration:

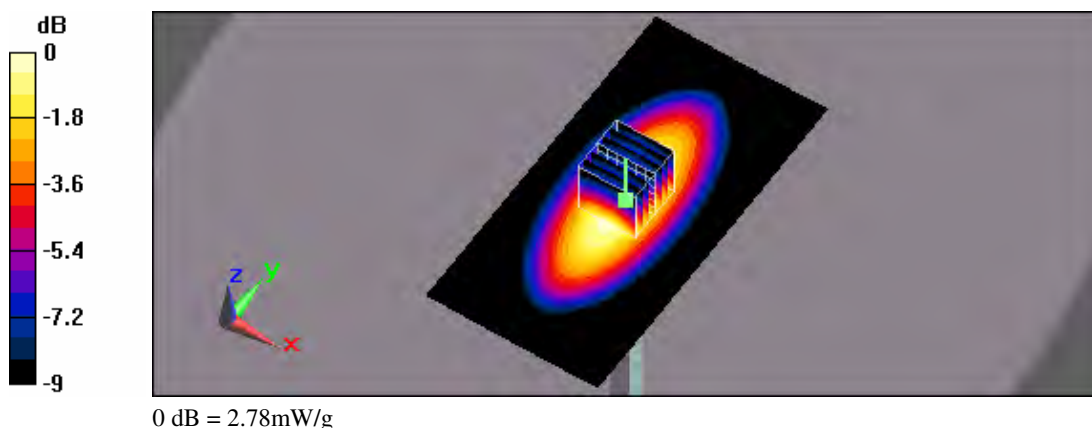
- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV3 - SN3519; ConvF(10.36, 10.36, 10.36); Calibrated: 2/21/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 1/23/2012
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASYS, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

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

Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Maximum value of SAR (interpolated) = 2.79 mW/g

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 = 54 V/m; Power Drift = 0.00389 dB
Peak SAR (extrapolated) = 3.48 W/kg
SAR(1 g) = 2.39 mW/g; SAR(10 g) = 1.59 mW/g
Maximum value of SAR (measured) = 2.78 mW/g



Test Laboratory: A Test Lab Techno Corp.
Date/Time: 3/27/2012 2:47:20 PM

System Performance Check at 835MHz_20120327_Body

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

Communication System: CW; Frequency: 835 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 835 \text{ MHz}$; $\sigma = 0.97 \text{ mho/m}$; $\epsilon_r = 54.5$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section
Measurement Standard: DASYS (IEEE/IEC)

DASY5 Configuration:

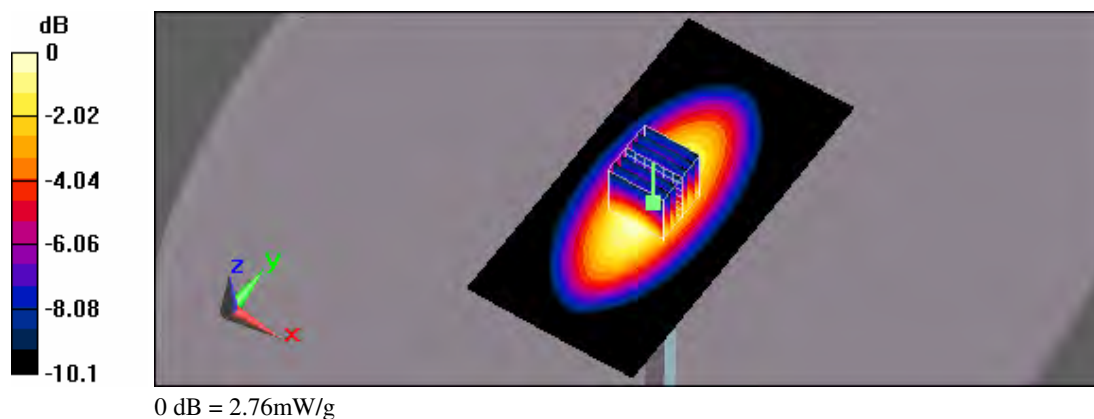
- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV3 - SN3519; ConvF(10.36, 10.36, 10.36); Calibrated: 2/21/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 1/23/2012
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASYS, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

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

Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Maximum value of SAR (interpolated) = 2.79 mW/g

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 = 54 V/m; Power Drift = 0.016 dB
Peak SAR (extrapolated) = 3.47 W/kg
SAR(1 g) = 2.38 mW/g; SAR(10 g) = 1.57 mW/g
Maximum value of SAR (measured) = 2.76 mW/g



Test Laboratory: A Test Lab Techno Corp.
Date/Time: 3/28/2012 2:04:16 PM

System Performance Check at 835MHz_20120328_Body

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

Communication System: CW; Frequency: 835 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 835 \text{ MHz}$; $\sigma = 0.97 \text{ mho/m}$; $\epsilon_r = 54.5$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section
Measurement Standard: DASYS (IEEE/IEC)

DASY5 Configuration:

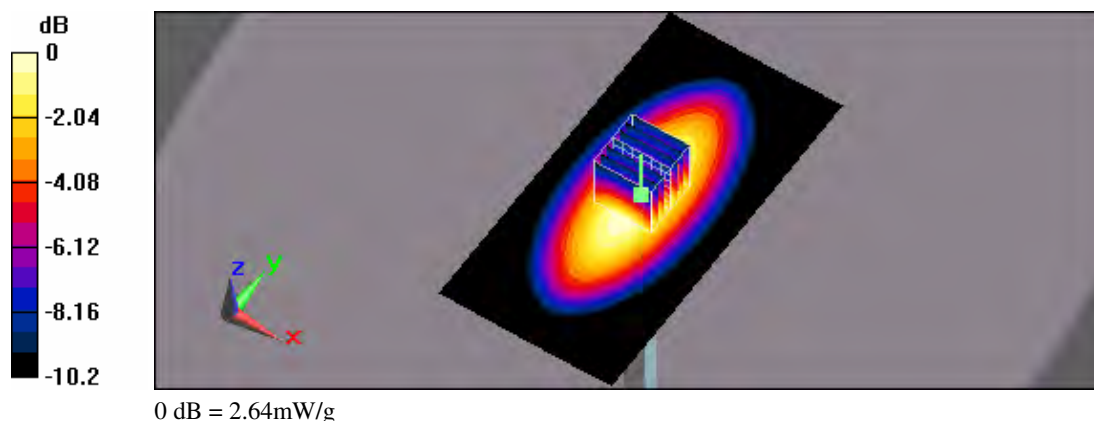
- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV3 - SN3519; ConvF(10.36, 10.36, 10.36); Calibrated: 2/21/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 1/23/2012
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

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

Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Maximum value of SAR (interpolated) = 2.72 mW/g

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 = 54 V/m; Power Drift = 0.00549 dB
Peak SAR (extrapolated) = 3.32 W/kg
SAR(1 g) = 2.27 mW/g; SAR(10 g) = 1.5 mW/g
Maximum value of SAR (measured) = 2.64 mW/g



Test Laboratory: A Test Lab Techno Corp.
Date/Time: 3/29/2012 1:51:37 PM

System Performance Check at 835MHz_20120329_Body

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

Communication System: CW; Frequency: 835 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 835 \text{ MHz}$; $\sigma = 0.97 \text{ mho/m}$; $\epsilon_r = 54.5$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section
Measurement Standard: DASYS (IEEE/IEC)

DASY5 Configuration:

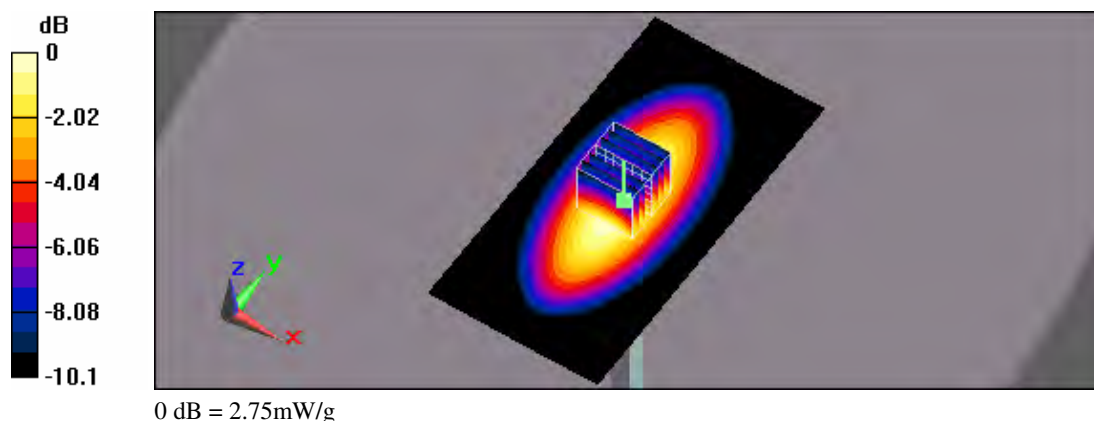
- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV3 - SN3519; ConvF(10.36, 10.36, 10.36); Calibrated: 2/21/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 1/23/2012
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASYS, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

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

Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Maximum value of SAR (interpolated) = 2.76 mW/g

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 = 54 V/m; Power Drift = -0.014 dB
Peak SAR (extrapolated) = 3.45 W/kg
SAR(1 g) = 2.36 mW/g; SAR(10 g) = 1.56 mW/g
Maximum value of SAR (measured) = 2.75 mW/g



Test Laboratory: A Test Lab Techno Corp.
Date/Time: 3/30/2012 1:26:17 PM

System Performance Check at 835MHz_20120330_Body

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

Communication System: CW; Frequency: 835 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 835 \text{ MHz}$; $\sigma = 0.97 \text{ mho/m}$; $\epsilon_r = 54.5$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

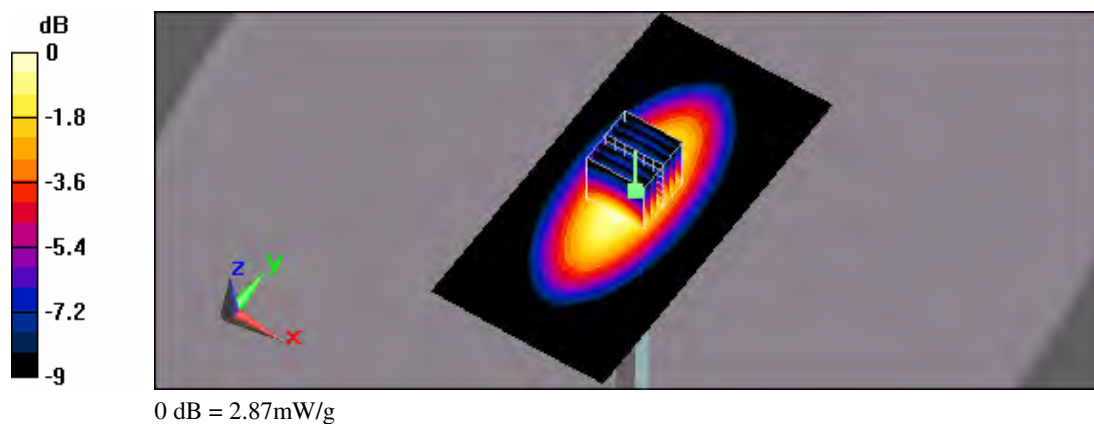
- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV3 - SN3519; ConvF(10.36, 10.36, 10.36); Calibrated: 2/21/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 1/23/2012
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

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

Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Maximum value of SAR (interpolated) = 2.84 mW/g

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 = 54 V/m; Power Drift = 0.013 dB
Peak SAR (extrapolated) = 3.61 W/kg
SAR(1 g) = 2.46 mW/g; SAR(10 g) = 1.63 mW/g
Maximum value of SAR (measured) = 2.87 mW/g



Test Laboratory: A Test Lab Techno Corp.
Date/Time: 4/3/2012 10:02:47 PM

System Performance Check at 835MHz_20120403_Body

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

Communication System: CW; Frequency: 835 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 835 \text{ MHz}$; $\sigma = 0.985 \text{ mho/m}$; $\epsilon_r = 53.7$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section
Measurement Standard: DASYS (IEEE/IEC)

DASY5 Configuration:

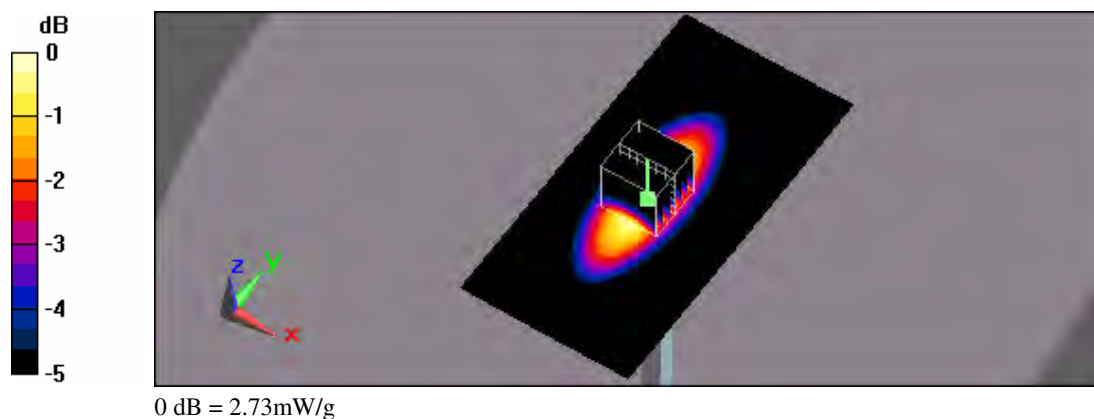
- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV3 - SN3519; ConvF(10.36, 10.36, 10.36); Calibrated: 2/21/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 1/23/2012
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASYS, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

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

Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Maximum value of SAR (interpolated) = 2.72 mW/g

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 = 52.3 V/m; Power Drift = 0.031 dB
Peak SAR (extrapolated) = 3.44 W/kg
SAR(1 g) = 2.34 mW/g; SAR(10 g) = 1.54 mW/g
Maximum value of SAR (measured) = 2.73 mW/g



Test Laboratory: A Test Lab Techno Corp.
Date/Time: 4/5/2012 2:47:17 AM

System Performance Check at 835MHz_20120405_Body

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

Communication System: CW; Frequency: 835 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 835 \text{ MHz}$; $\sigma = 0.985 \text{ mho/m}$; $\epsilon_r = 53.7$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section
Measurement Standard: DASYS (IEEE/IEC)

DASY5 Configuration:

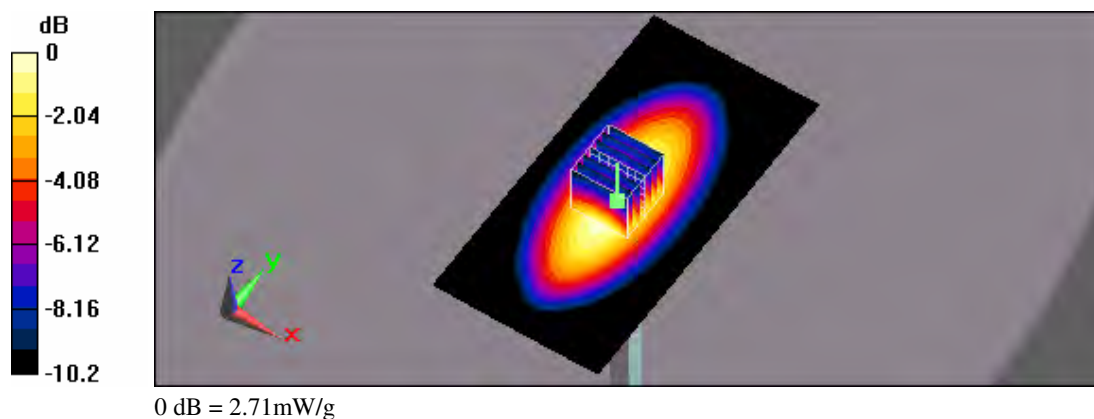
- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV3 - SN3519; ConvF(10.36, 10.36, 10.36); Calibrated: 2/21/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 1/23/2012
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASYS, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

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

Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Maximum value of SAR (interpolated) = 2.73 mW/g

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 = 53.4 V/m; Power Drift = -0.146 dB
Peak SAR (extrapolated) = 3.41 W/kg
SAR(1 g) = 2.33 mW/g; SAR(10 g) = 1.54 mW/g
Maximum value of SAR (measured) = 2.71 mW/g





Test Laboratory: A Test Lab Techno Corp.
Date/Time: 3/30/2012 6:26:45 PM

System Performance Check at 1900MHz_20120330_Body

DUT: Dipole D1900V2_SN5d111; Type: D1900V2; Serial: D1900V2 - SN:5d111

Communication System: CW; Frequency: 1900 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 1900$ MHz; $\sigma = 1.5$ mho/m; $\epsilon_r = 51.3$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASYS (IEEE/IEC)

DASY5 Configuration:

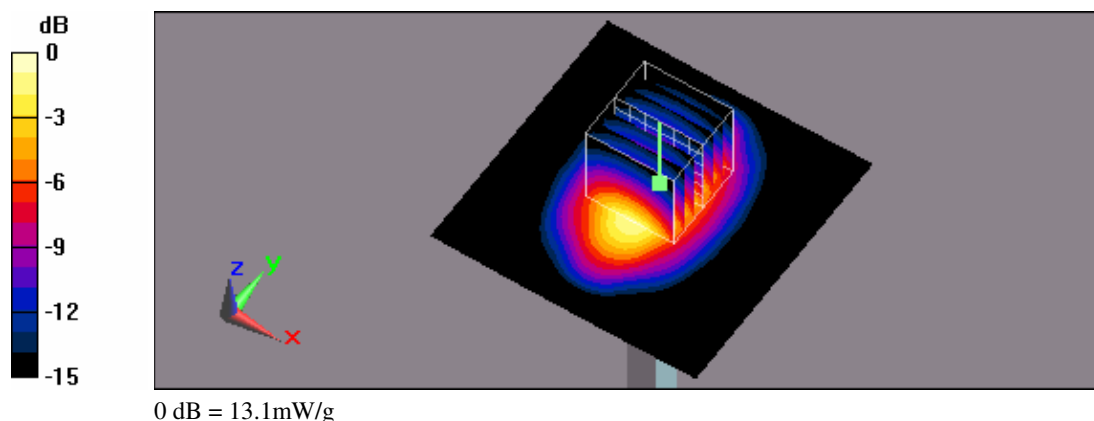
- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV3 - SN3519; ConvF(9.04, 9.04, 9.04); Calibrated: 2/21/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 1/23/2012
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASYS, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

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

Measurement grid: $dx=15$ mm, $dy=15$ mm
Maximum value of SAR (interpolated) = 13.4 mW/g

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

Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm
Reference Value = 93 V/m; Power Drift = 0.037 dB
Peak SAR (extrapolated) = 19 W/kg
SAR(1 g) = 10.4 mW/g; SAR(10 g) = 5.38 mW/g
Maximum value of SAR (measured) = 13.1 mW/g



Test Laboratory: A Test Lab Techno Corp.
Date/Time: 3/31/2012 6:20:19 PM

System Performance Check at 1900MHz_20120331_Body

DUT: Dipole D1900V2_SN5d111; Type: D1900V2; Serial: D1900V2 - SN:5d111

Communication System: CW; Frequency: 1900 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 1900 \text{ MHz}$; $\sigma = 1.5 \text{ mho/m}$; $\epsilon_r = 51.3$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section
Measurement Standard: DASYS (IEEE/IEC)

DASY5 Configuration:

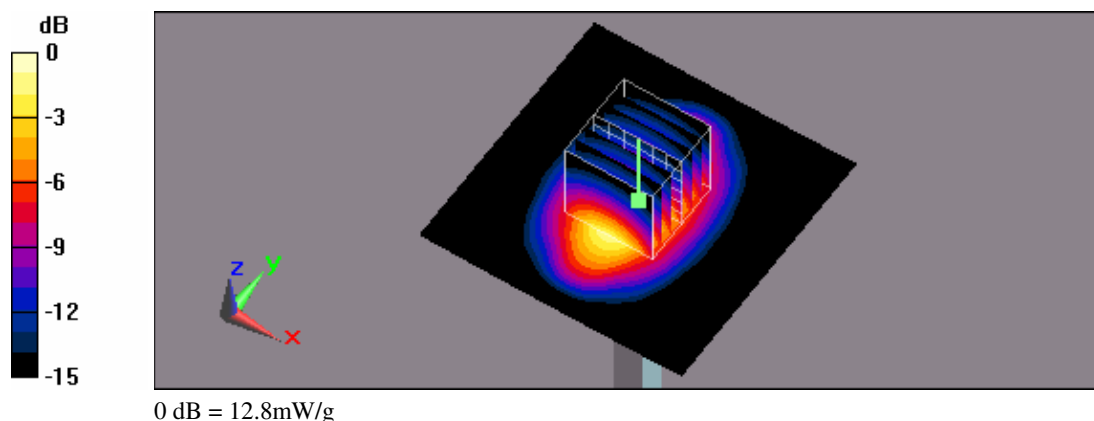
- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV3 - SN3519; ConvF(9.04, 9.04, 9.04); Calibrated: 2/21/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 1/23/2012
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

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

Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Maximum value of SAR (interpolated) = 12.9 mW/g

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 = 93.6 V/m; Power Drift = -0.078 dB
Peak SAR (extrapolated) = 18.4 W/kg
SAR(1 g) = 10 mW/g; SAR(10 g) = 5.18 mW/g
Maximum value of SAR (measured) = 12.8 mW/g





Test Laboratory: A Test Lab Techno Corp.
Date/Time: 4/1/2012 4:23:30 PM

System Performance Check at 1900MHz_20120401_Body

DUT: Dipole D1900V2_SN5d111; Type: D1900V2; Serial: D1900V2 - SN:5d111

Communication System: CW; Frequency: 1900 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 1900$ MHz; $\sigma = 1.5$ mho/m; $\epsilon_r = 51.3$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASYS (IEEE/IEC)

DASY5 Configuration:

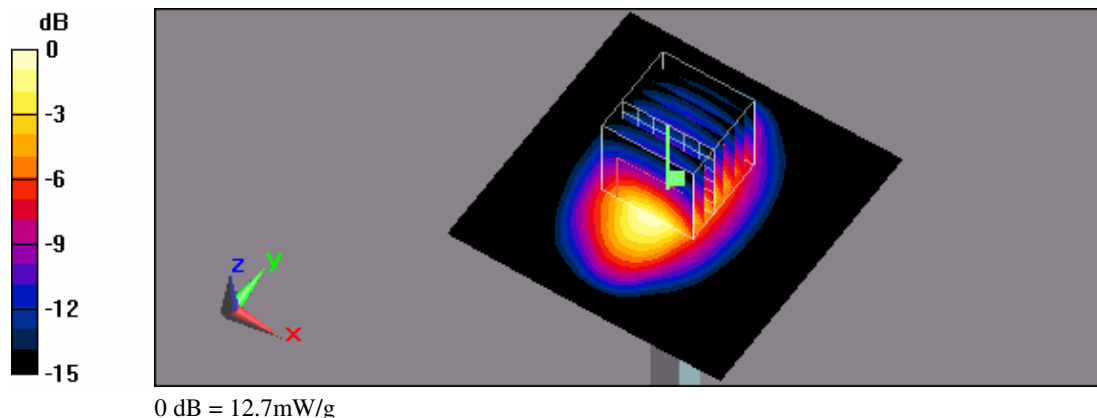
- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV3 - SN3519; ConvF(9.04, 9.04, 9.04); Calibrated: 2/21/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 1/23/2012
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

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

Measurement grid: $dx=15$ mm, $dy=15$ mm
Maximum value of SAR (interpolated) = 14 mW/g

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

Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm
Reference Value = 93 V/m; Power Drift = 0.050 dB
Peak SAR (extrapolated) = 18.3 W/kg
SAR(1 g) = 10.1 mW/g; SAR(10 g) = 5.24 mW/g
Maximum value of SAR (measured) = 12.7 mW/g



Test Laboratory: A Test Lab Techno Corp.
Date/Time: 4/2/2012 10:57:10 AM

System Performance Check at 1900MHz_20120402_Body

DUT: Dipole D1900V2_SN5d111; Type: D1900V2; Serial: D1900V2 - SN:5d111

Communication System: CW; Frequency: 1900 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 1900 \text{ MHz}$; $\sigma = 1.5 \text{ mho/m}$; $\epsilon_r = 51.3$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section
Measurement Standard: DASYS (IEEE/IEC)

DASY5 Configuration:

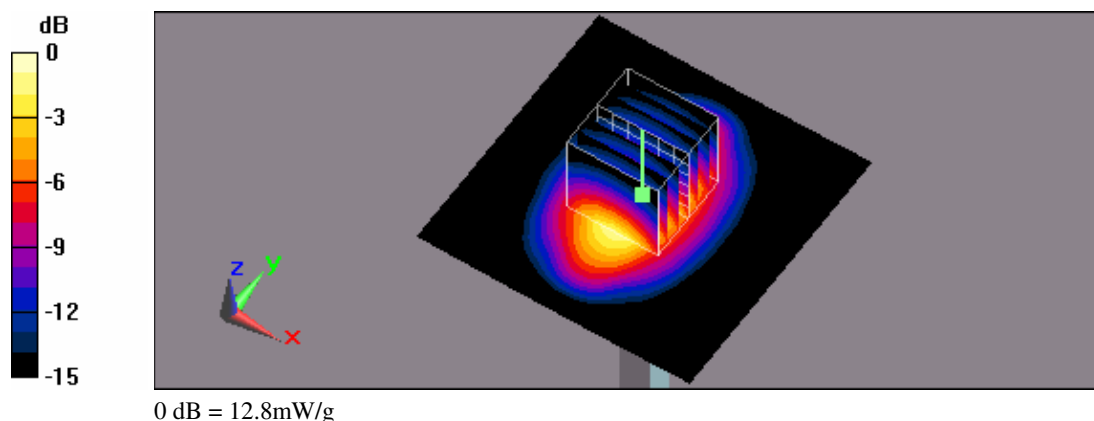
- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV3 - SN3519; ConvF(9.04, 9.04, 9.04); Calibrated: 2/21/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 1/23/2012
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

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

Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Maximum value of SAR (interpolated) = 12.9 mW/g

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 = 93 V/m; Power Drift = 0.023 dB
Peak SAR (extrapolated) = 18.5 W/kg
SAR(1 g) = 10 mW/g; SAR(10 g) = 5.15 mW/g
Maximum value of SAR (measured) = 12.8 mW/g



Test Laboratory: A Test Lab Techno Corp.
Date/Time: 4/3/2012 10:39:09 AM

System Performance Check at 1900MHz_20120403_Body

DUT: Dipole D1900V2_SN5d111; Type: D1900V2; Serial: D1900V2 - SN:5d111

Communication System: CW; Frequency: 1900 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 1900 \text{ MHz}$; $\sigma = 1.5 \text{ mho/m}$; $\epsilon_r = 51.3$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section
Measurement Standard: DASYS (IEEE/IEC)

DASY5 Configuration:

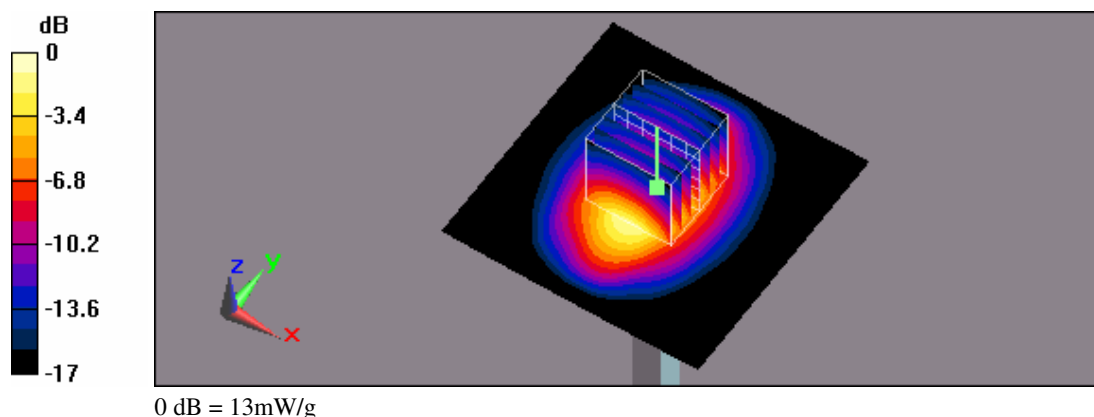
- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV3 - SN3519; ConvF(9.04, 9.04, 9.04); Calibrated: 2/21/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 1/23/2012
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

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

Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Maximum value of SAR (interpolated) = 13 mW/g

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 = 93.1 V/m; Power Drift = 0.034 dB
Peak SAR (extrapolated) = 18.6 W/kg
SAR(1 g) = 10.2 mW/g; SAR(10 g) = 5.35 mW/g
Maximum value of SAR (measured) = 13 mW/g



Appendix B - SAR Measurement Data

Test Laboratory: A Test Lab Techno Corp.
Date/Time: 3/24/2012 4:00:56 PM

Flat_GPRS 850 CH190_3D2U_Front Surface 0mm_Hip pad Battery

DUT: Gobi2000; Type: Gobi2000 PCI Express Mini Card; FCC ID: KDZLXE-FX1WW

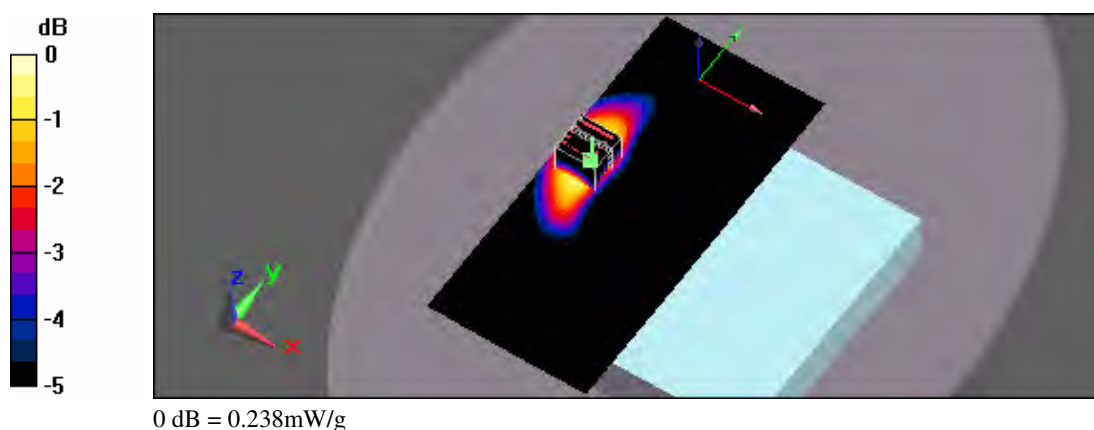
Communication System: GPRS 850 (3Down, 2Up); Frequency: 836.6 MHz; Duty Cycle: 1:4
Medium parameters used: $f = 837$ MHz; $\sigma = 0.972$ mho/m; $\epsilon_r = 54.5$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV3 - SN3519; ConvF(10.36, 10.36, 10.36); Calibrated: 2/21/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 1/23/2012
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Flat/Area Scan (81x181x1): Measurement grid: $dx=15$ mm, $dy=15$ mm
Maximum value of SAR (interpolated) = 0.241 mW/g

Flat/Zoom Scan (7x7x9)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=3$ mm
Reference Value = 1.72 V/m; Power Drift = 0.118 dB
Peak SAR (extrapolated) = 0.302 W/kg
SAR(1 g) = 0.207 mW/g; SAR(10 g) = 0.140 mW/g
Maximum value of SAR (measured) = 0.238 mW/g



Test Laboratory: A Test Lab Techno Corp.
Date/Time: 3/24/2012 3:13:00 PM

Flat_GPRS 850 CH190_3D2U_Front Surface 0mm_Hip pad Battery_Hand Strap

DUT: Gobi2000; Type: Gobi2000 PCI Express Mini Card; FCC ID: KDZLXE-FX1WW

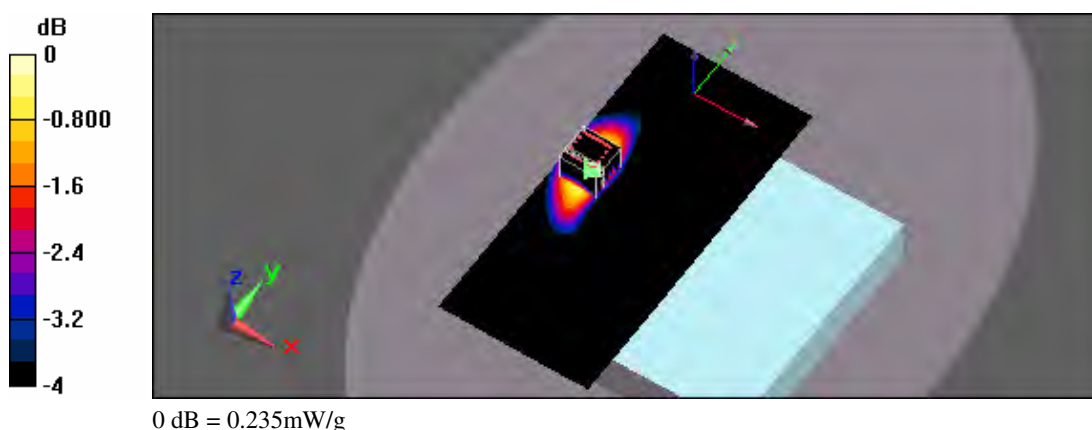
Communication System: GPRS 850 (3Down, 2Up); Frequency: 836.6 MHz; Duty Cycle: 1:4
Medium parameters used: $f = 837$ MHz; $\sigma = 0.972$ mho/m; $\epsilon_r = 54.5$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV3 - SN3519; ConvF(10.36, 10.36, 10.36); Calibrated: 2/21/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 1/23/2012
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Flat/Area Scan (81x181x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.242 mW/g

Flat/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 2.04 V/m; Power Drift = 0.065 dB
Peak SAR (extrapolated) = 0.292 W/kg
SAR(1 g) = 0.204 mW/g; SAR(10 g) = 0.140 mW/g
Maximum value of SAR (measured) = 0.235 mW/g



Test Laboratory: A Test Lab Techno Corp.
Date/Time: 3/24/2012 1:44:29 PM

Flat_GPRS 850 CH190_3D2U_Front Surface 0mm_Hip pad Battery_Shoulder strap

DUT: Gobi2000; Type: Gobi2000 PCI Express Mini Card; FCC ID: KDZLXE-FX1WW

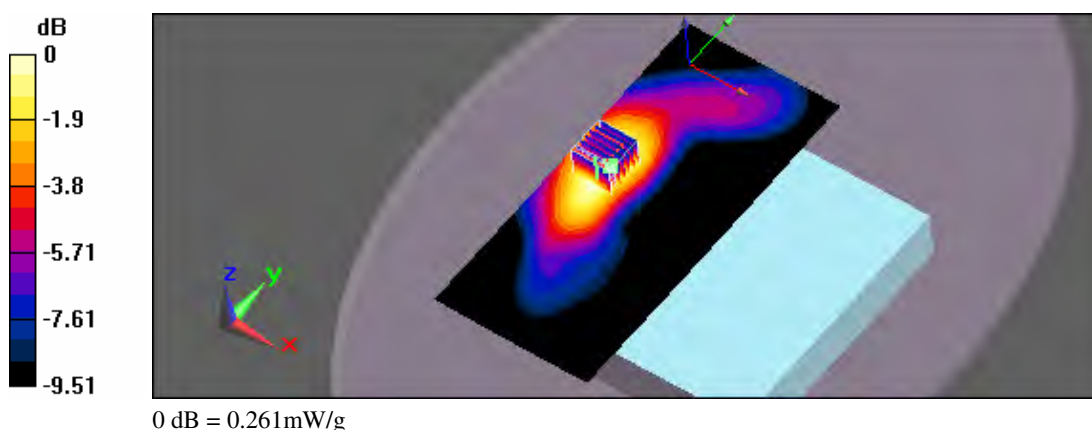
Communication System: GPRS 850 (3Down, 2Up); Frequency: 836.6 MHz; Duty Cycle: 1:4
Medium parameters used: $f = 837$ MHz; $\sigma = 0.972$ mho/m; $\epsilon_r = 54.5$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV3 - SN3519; ConvF(10.36, 10.36, 10.36); Calibrated: 2/21/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 1/23/2012
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Flat/Area Scan (81x181x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.268 mW/g

Flat/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 3.37 V/m; Power Drift = 0.195 dB
Peak SAR (extrapolated) = 0.338 W/kg
SAR(1 g) = 0.223 mW/g; SAR(10 g) = 0.152 mW/g
Maximum value of SAR (measured) = 0.261 mW/g



Test Laboratory: A Test Lab Techno Corp.
Date/Time: 3/23/2012 6:52:56 PM

Flat_GPRS 850 CH190_3D2U_Front Surface 0mm_Thick Battery

DUT: Gobi2000; Type: Gobi2000 PCI Express Mini Card; FCC ID: KDZLXE-FX1WW

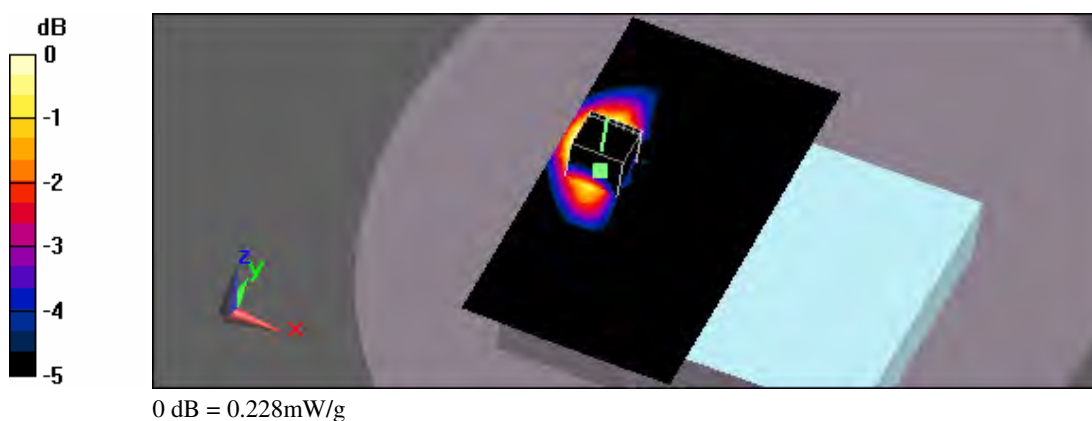
Communication System: GPRS 850 (3Down, 2Up); Frequency: 836.6 MHz; Duty Cycle: 1:4
Medium parameters used: $f = 837$ MHz; $\sigma = 0.972$ mho/m; $\epsilon_r = 54.5$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV3 - SN3519; ConvF(10.36, 10.36, 10.36); Calibrated: 2/21/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 1/23/2012
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Flat/Area Scan (81x181x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.256 mW/g

Flat/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 1.89 V/m; Power Drift = 0.062 dB
Peak SAR (extrapolated) = 0.292 W/kg
SAR(1 g) = 0.185 mW/g; SAR(10 g) = 0.125 mW/g
Maximum value of SAR (measured) = 0.228 mW/g



Test Laboratory: A Test Lab Techno Corp.
Date/Time: 3/29/2012 7:37:16 AM

Flat_GPRS 850 CH190_3D2U_Front Surface 0mm_Thick Battery_Hand Strap

DUT: Gobi2000; Type: Gobi2000 PCI Express Mini Card; FCC ID: KDZLXE-FX1WW

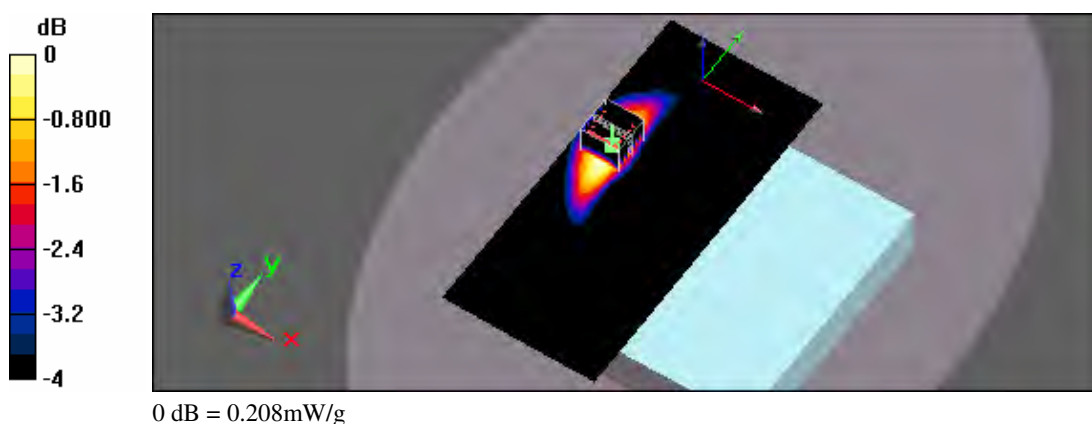
Communication System: GPRS 850 (3Down, 2Up); Frequency: 836.6 MHz; Duty Cycle: 1:4
Medium parameters used: $f = 837$ MHz; $\sigma = 0.972$ mho/m; $\epsilon_r = 54.5$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV3 - SN3519; ConvF(10.36, 10.36, 10.36); Calibrated: 2/21/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 1/23/2012
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Flat/Area Scan (81x181x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.220 mW/g

Flat/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 2.68 V/m; Power Drift = 0.067 dB
Peak SAR (extrapolated) = 0.258 W/kg
SAR(1 g) = 0.180 mW/g; SAR(10 g) = 0.123 mW/g
Maximum value of SAR (measured) = 0.208 mW/g



Test Laboratory: A Test Lab Techno Corp.
Date/Time: 3/29/2012 8:24:42 AM

Flat_GPRS 850 CH190_3D2U_Front Surface 0mm_Thick Battery_Shoulder strap

DUT: Gobi2000; Type: Gobi2000 PCI Express Mini Card; FCC ID: KDZLXE-FX1WW

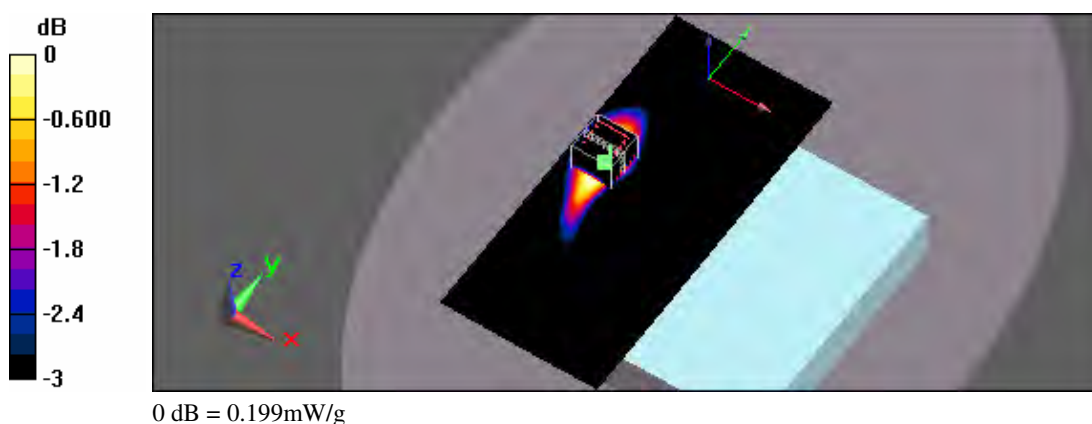
Communication System: GPRS 850 (3Down, 2Up); Frequency: 836.6 MHz; Duty Cycle: 1:4
Medium parameters used: $f = 837$ MHz; $\sigma = 0.972$ mho/m; $\epsilon_r = 54.5$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV3 - SN3519; ConvF(10.36, 10.36, 10.36); Calibrated: 2/21/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 1/23/2012
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Flat/Area Scan (81x181x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.219 mW/g

Flat/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 1.88 V/m; Power Drift = -0.040 dB
Peak SAR (extrapolated) = 0.258 W/kg
SAR(1 g) = 0.173 mW/g; SAR(10 g) = 0.116 mW/g
Maximum value of SAR (measured) = 0.199 mW/g



Test Laboratory: A Test Lab Techno Corp.
Date/Time: 3/23/2012 7:49:44 PM

Flat_GPRS 850 CH128_3D2U_Back Surface 0mm_Hip pad Battery

DUT: Gobi2000; Type: Gobi2000 PCI Express Mini Card; FCC ID: KDZLXE-FX1WW

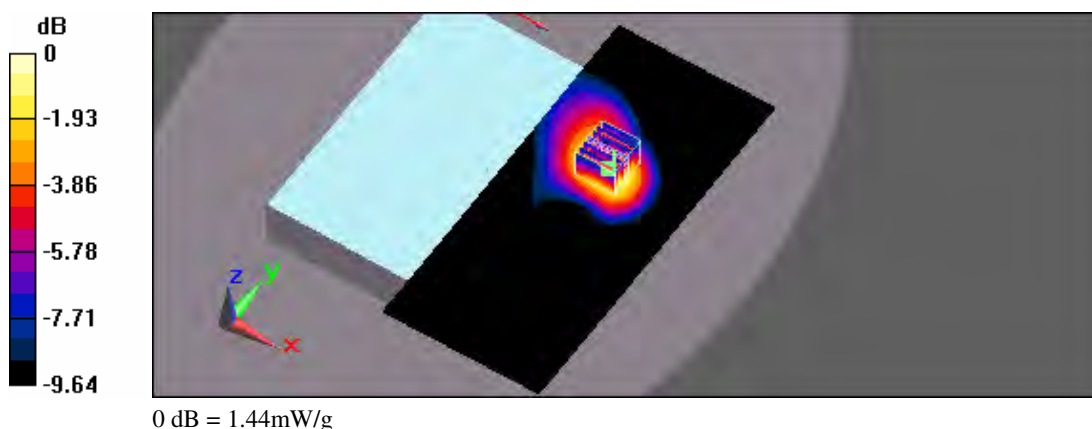
Communication System: GPRS 850 (3Down, 2Up); Frequency: 824.2 MHz; Duty Cycle: 1:4
Medium parameters used (interpolated): $f = 824.2$ MHz; $\sigma = 0.958$ mho/m; $\epsilon_r = 54.6$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV3 - SN3519; ConvF(10.36, 10.36, 10.36); Calibrated: 2/21/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 1/23/2012
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Flat/Area Scan (81x181x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.53 mW/g

Flat/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 6.5 V/m; Power Drift = -0.058 dB
Peak SAR (extrapolated) = 1.76 W/kg
SAR(1 g) = 1.24 mW/g; SAR(10 g) = 0.813 mW/g
Maximum value of SAR (measured) = 1.44 mW/g



Test Laboratory: A Test Lab Techno Corp.
Date/Time: 3/23/2012 8:27:59 PM

Flat_GPRS 850 CH190_3D2U_Back Surface 0mm_Hip pad Battery

DUT: Gobi2000; Type: Gobi2000 PCI Express Mini Card; FCC ID: KDZLXE-FX1WW

Communication System: GPRS 850 (3Down, 2Up); Frequency: 836.6 MHz; Duty Cycle: 1:4
Medium parameters used: $f = 837$ MHz; $\sigma = 0.972$ mho/m; $\epsilon_r = 54.5$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV3 - SN3519; ConvF(10.36, 10.36, 10.36); Calibrated: 2/21/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 1/23/2012
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Flat/Area Scan (81x181x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.4 mW/g

Flat/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 5.93 V/m; Power Drift = -0.038 dB
Peak SAR (extrapolated) = 1.71 W/kg
SAR(1 g) = 1.19 mW/g; SAR(10 g) = 0.781 mW/g
Maximum value of SAR (measured) = 1.39 mW/g



Test Laboratory: A Test Lab Techno Corp.
Date/Time: 3/23/2012 9:28:35 PM

Flat_GPRS 850 CH251_3D2U_Back Surface 0mm_Hip pad Battery

DUT: Gobi2000; Type: Gobi2000 PCI Express Mini Card; FCC ID: KDZLXE-FX1WW

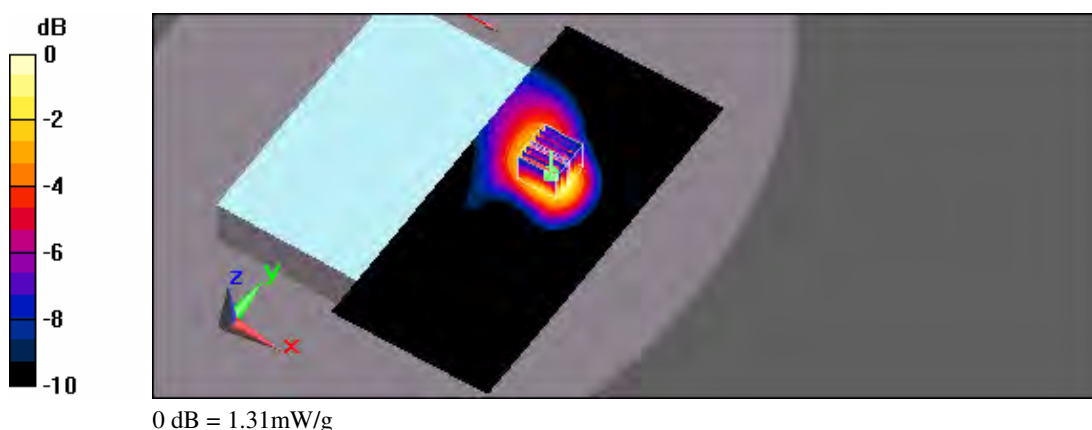
Communication System: GPRS 850 (3Down, 2Up); Frequency: 848.8 MHz; Duty Cycle: 1:4
Medium parameters used: $f = 849 \text{ MHz}$; $\sigma = 0.986 \text{ mho/m}$; $\epsilon_r = 54.4$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV3 - SN3519; ConvF(10.36, 10.36, 10.36); Calibrated: 2/21/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 1/23/2012
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Flat/Area Scan (81x181x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Maximum value of SAR (interpolated) = 1.38 mW/g

Flat/Zoom Scan (7x7x9)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=3\text{mm}$
Reference Value = 6.44 V/m; Power Drift = -0.112 dB
Peak SAR (extrapolated) = 1.6 W/kg
SAR(1 g) = 1.12 mW/g; SAR(10 g) = 0.739 mW/g
Maximum value of SAR (measured) = 1.31 mW/g



Test Laboratory: A Test Lab Techno Corp.
Date/Time: 3/29/2012 9:52:14 AM

Flat_GPRS 850 CH190_3D2U_Back Surface 0mm_Hip pad Battery_Hand Strap

DUT: Gobi2000; Type: Gobi2000 PCI Express Mini Card; FCC ID: KDZLXE-FX1WW

Communication System: GPRS 850 (3Down, 2Up); Frequency: 836.6 MHz; Duty Cycle: 1:4
Medium parameters used: $f = 837$ MHz; $\sigma = 0.972$ mho/m; $\epsilon_r = 54.5$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV3 - SN3519; ConvF(10.36, 10.36, 10.36); Calibrated: 2/21/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 1/23/2012
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Flat/Area Scan (81x181x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.928 mW/g

Flat/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 11.2 V/m; Power Drift = -0.072 dB
Peak SAR (extrapolated) = 1.12 W/kg
SAR(1 g) = 0.786 mW/g; SAR(10 g) = 0.518 mW/g
Maximum value of SAR (measured) = 0.911 mW/g



Test Laboratory: A Test Lab Techno Corp.
Date/Time: 3/29/2012 9:12:20 AM

Flat_GPRS 850 CH190_3D2U_Back Surface 0mm_Hip pad Battery_Shoulder strap

DUT: Gobi2000; Type: Gobi2000 PCI Express Mini Card; FCC ID: KDZLXE-FX1WW

Communication System: GPRS 850 (3Down, 2Up); Frequency: 836.6 MHz; Duty Cycle: 1:4
Medium parameters used: $f = 837$ MHz; $\sigma = 0.972$ mho/m; $\epsilon_r = 54.5$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV3 - SN3519; ConvF(10.36, 10.36, 10.36); Calibrated: 2/21/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 1/23/2012
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Flat/Area Scan (81x181x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.862 mW/g

Flat/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 10.8 V/m; Power Drift = -0.035 dB
Peak SAR (extrapolated) = 1.06 W/kg
SAR(1 g) = 0.726 mW/g; SAR(10 g) = 0.474 mW/g
Maximum value of SAR (measured) = 0.856 mW/g



Test Laboratory: A Test Lab Techno Corp.
Date/Time: 3/23/2012 3:06:29 PM

Flat_GPRS 850 CH128_3D2U_Back Surface 0mm_Thick Battery

DUT: Gobi2000; Type: Gobi2000 PCI Express Mini Card; FCC ID: KDZLXE-FX1WW

Communication System: GPRS 850 (3Down, 2Up); Frequency: 824.2 MHz; Duty Cycle: 1:4
Medium parameters used (interpolated): $f = 824.2$ MHz; $\sigma = 0.958$ mho/m; $\epsilon_r = 54.6$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV3 - SN3519; ConvF(10.36, 10.36, 10.36); Calibrated: 2/21/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 1/23/2012
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Flat/Area Scan (81x181x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.64 mW/g

Flat/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 7.6 V/m; Power Drift = -0.059 dB
Peak SAR (extrapolated) = 1.99 W/kg
SAR(1 g) = 1.38 mW/g; SAR(10 g) = 0.910 mW/g
Maximum value of SAR (measured) = 1.58 mW/g



Test Laboratory: A Test Lab Techno Corp.
Date/Time: 3/23/2012 4:13:22 PM

Flat_GPRS 850 CH190_3D2U_Back Surface 0mm_Thick Battery

DUT: Gobi2000; Type: Gobi2000 PCI Express Mini Card; FCC ID: KDZLXE-FX1WW

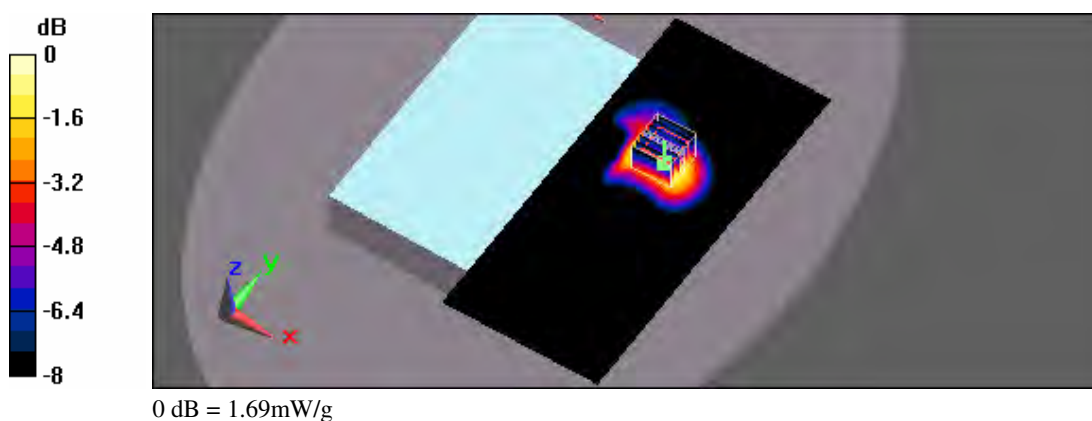
Communication System: GPRS 850 (3Down, 2Up); Frequency: 836.6 MHz; Duty Cycle: 1:4
Medium parameters used: $f = 837$ MHz; $\sigma = 0.972$ mho/m; $\epsilon_r = 54.5$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV3 - SN3519; ConvF(10.36, 10.36, 10.36); Calibrated: 2/21/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 1/23/2012
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Flat/Area Scan (81x181x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.51 mW/g

Flat/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 6.56 V/m; Power Drift = -0.034 dB
Peak SAR (extrapolated) = 2.13 W/kg
SAR(1 g) = 1.45 mW/g; SAR(10 g) = 0.946 mW/g
Maximum value of SAR (measured) = 1.69 mW/g



Test Laboratory: A Test Lab Techno Corp.
Date/Time: 3/23/2012 5:22:28 PM

Flat_GPRS 850 CH251_3D2U_Back Surface 0mm_Thick Battery

DUT: Gobi2000; Type: Gobi2000 PCI Express Mini Card; FCC ID: KDZLXE-FX1WW

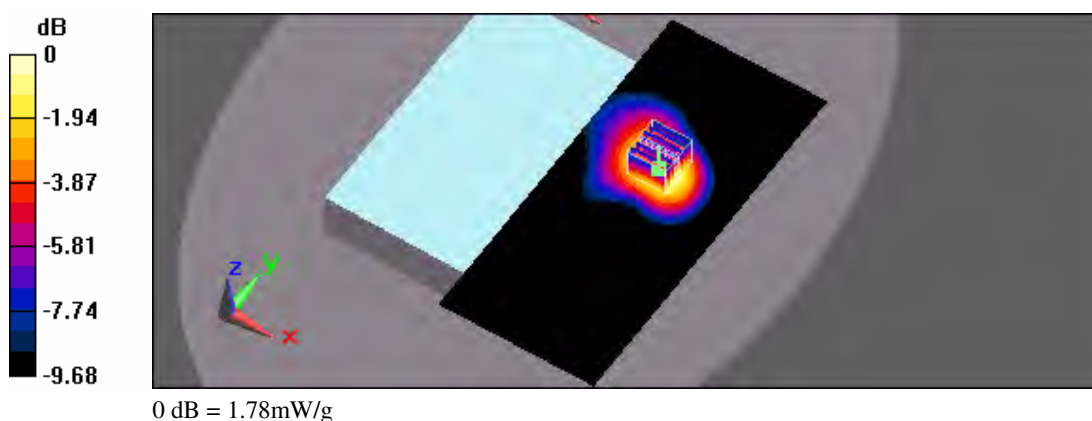
Communication System: GPRS 850 (3Down, 2Up); Frequency: 848.8 MHz; Duty Cycle: 1:4
Medium parameters used: $f = 849$ MHz; $\sigma = 0.986$ mho/m; $\epsilon_r = 54.4$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV3 - SN3519; ConvF(10.36, 10.36, 10.36); Calibrated: 2/21/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 1/23/2012
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Flat/Area Scan (81x181x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.73 mW/g

Flat/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 7.6 V/m; Power Drift = -0.00464 dB
Peak SAR (extrapolated) = 2.17 W/kg
SAR(1 g) = 1.53 mW/g; SAR(10 g) = 1 mW/g
Maximum value of SAR (measured) = 1.78 mW/g



Test Laboratory: A Test Lab Techno Corp.
Date/Time: 3/24/2012 12:54:18 AM

Flat_GPRS 850 CH128_3D2U_Back Surface 0mm_Thick Battery_Hand Strap

DUT: Gobi2000; Type: Gobi2000 PCI Express Mini Card; FCC ID: KDZLXE-FX1WW

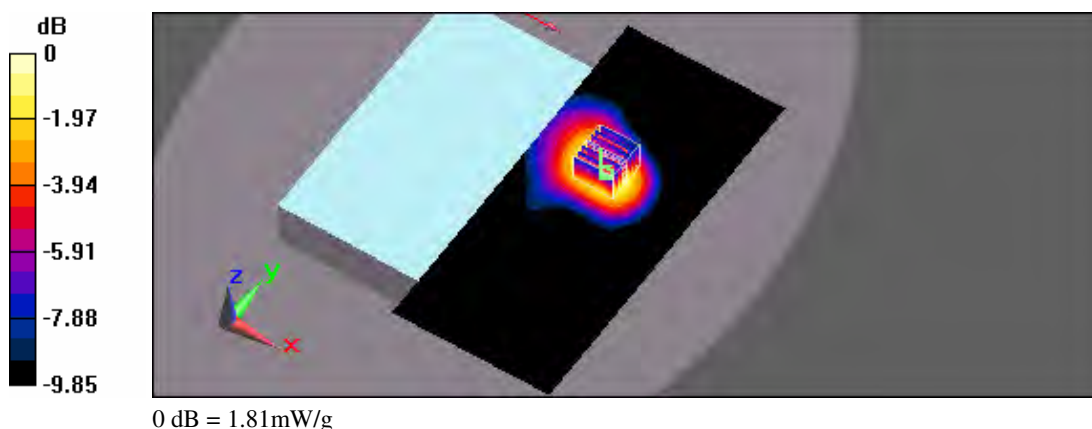
Communication System: GPRS 850 (3Down, 2Up); Frequency: 824.2 MHz; Duty Cycle: 1:4
Medium parameters used (interpolated): $f = 824.2$ MHz; $\sigma = 0.958$ mho/m; $\epsilon_r = 54.6$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

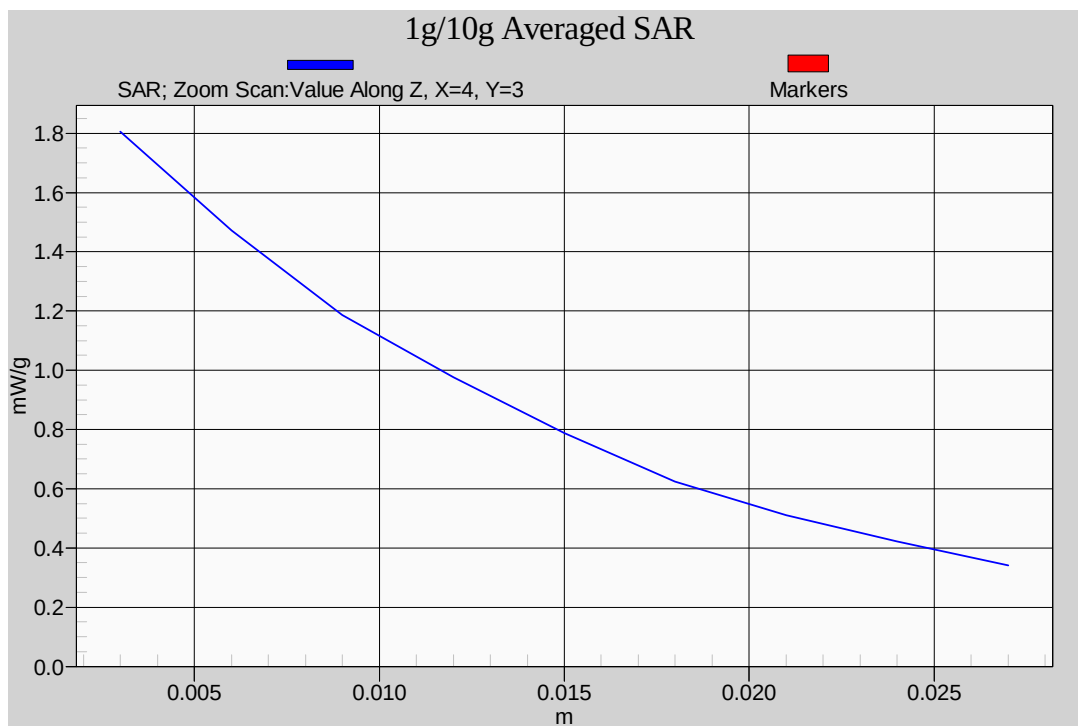
DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV3 - SN3519; ConvF(10.36, 10.36, 10.36); Calibrated: 2/21/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 1/23/2012
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Flat/Area Scan (81x181x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.81 mW/g

Flat/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 10.3 V/m; Power Drift = 0.071 dB
Peak SAR (extrapolated) = 2.16 W/kg
SAR(1 g) = 1.55 mW/g; SAR(10 g) = 1.03 mW/g
Maximum value of SAR (measured) = 1.81 mW/g





Test Laboratory: A Test Lab Techno Corp.
Date/Time: 3/24/2012 1:40:58 AM

Flat_GPRS 850 CH190_3D2U_Back Surface 0mm_Thick Battery_Hand Strap

DUT: Gobi2000; Type: Gobi2000 PCI Express Mini Card; FCC ID: KDZLXE-FX1WW

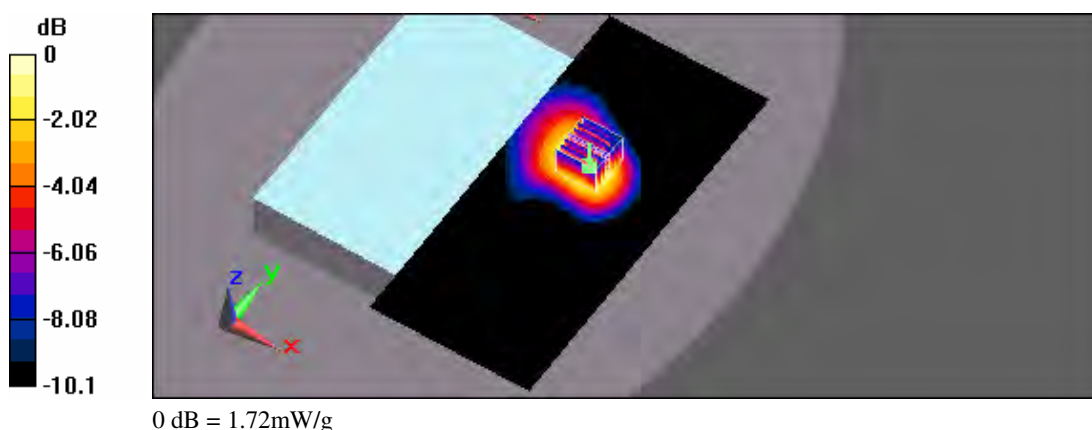
Communication System: GPRS 850 (3Down, 2Up); Frequency: 836.6 MHz; Duty Cycle: 1:4
Medium parameters used: $f = 837$ MHz; $\sigma = 0.972$ mho/m; $\epsilon_r = 54.5$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV3 - SN3519; ConvF(10.36, 10.36, 10.36); Calibrated: 2/21/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 1/23/2012
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Flat/Area Scan (81x181x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.73 mW/g

Flat/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 9.32 V/m; Power Drift = -0.012 dB
Peak SAR (extrapolated) = 2.17 W/kg
SAR(1 g) = 1.47 mW/g; SAR(10 g) = 0.971 mW/g
Maximum value of SAR (measured) = 1.72 mW/g



Test Laboratory: A Test Lab Techno Corp.
Date/Time: 3/24/2012 2:18:55 AM

Flat_GPRS 850 CH251_3D2U_Back Surface 0mm_Thick Battery_Hand Strap

DUT: Gobi2000; Type: Gobi2000 PCI Express Mini Card; FCC ID: KDZLXE-FX1WW

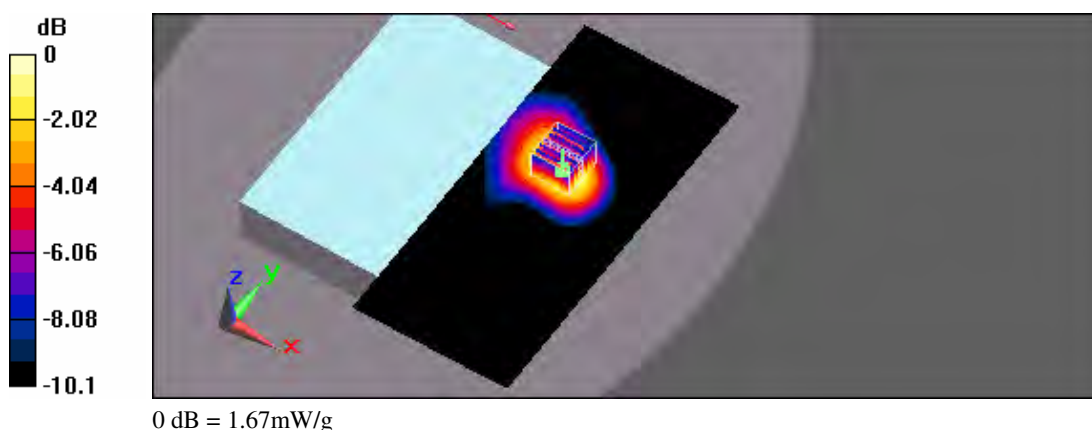
Communication System: GPRS 850 (3Down, 2Up); Frequency: 848.8 MHz; Duty Cycle: 1:4
Medium parameters used: $f = 849$ MHz; $\sigma = 0.986$ mho/m; $\epsilon_r = 54.4$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV3 - SN3519; ConvF(10.36, 10.36, 10.36); Calibrated: 2/21/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 1/23/2012
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Flat/Area Scan (81x181x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.68 mW/g

Flat/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 8.65 V/m; Power Drift = -0.052 dB
Peak SAR (extrapolated) = 2.09 W/kg
SAR(1 g) = 1.43 mW/g; SAR(10 g) = 0.936 mW/g
Maximum value of SAR (measured) = 1.67 mW/g



Test Laboratory: A Test Lab Techno Corp.
Date/Time: 3/26/2012 7:48:37 AM

Flat_GPRS 850 CH128_3D2U_Back Surface 0mm_Thick Battery_Shoulder strap

DUT: Gobi2000; Type: Gobi2000 PCI Express Mini Card; FCC ID: KDZLXE-FX1WW

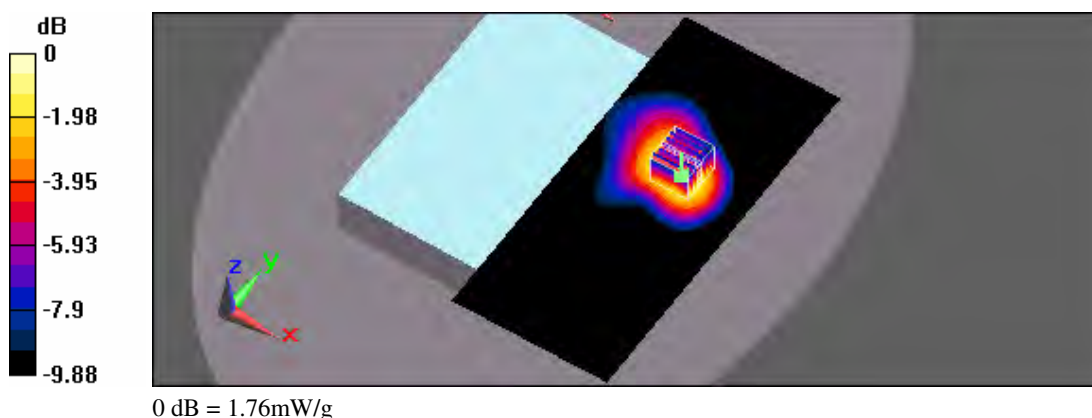
Communication System: GPRS 850 (3Down, 2Up); Frequency: 824.2 MHz; Duty Cycle: 1:4
Medium parameters used (interpolated): $f = 824.2$ MHz; $\sigma = 0.958$ mho/m; $\epsilon_r = 54.6$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV3 - SN3519; ConvF(10.36, 10.36, 10.36); Calibrated: 2/21/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 1/23/2012
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Flat/Area Scan (81x181x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.76 mW/g

Flat/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 7.16 V/m; Power Drift = -0.155 dB
Peak SAR (extrapolated) = 2.15 W/kg
SAR(1 g) = 1.51 mW/g; SAR(10 g) = 1 mW/g
Maximum value of SAR (measured) = 1.76 mW/g



Test Laboratory: A Test Lab Techno Corp.
Date/Time: 3/24/2012 11:27:33 AM

Flat_GPRS 850 CH190_3D2U_Back Surface 0mm_Thick Battery_Shoulder strap

DUT: Gobi2000; Type: Gobi2000 PCI Express Mini Card; FCC ID: KDZLXE-FX1WW

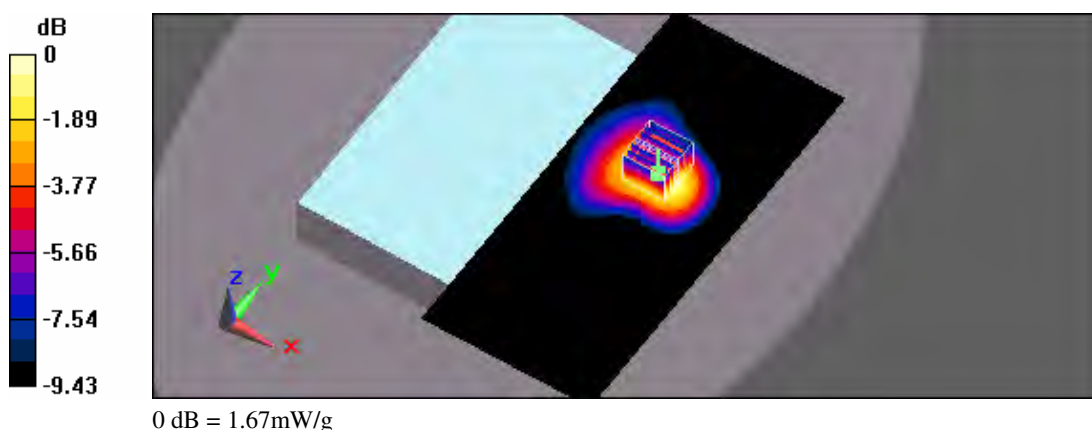
Communication System: GPRS 850 (3Down, 2Up); Frequency: 836.6 MHz; Duty Cycle: 1:4
Medium parameters used: $f = 837$ MHz; $\sigma = 0.972$ mho/m; $\epsilon_r = 54.5$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV3 - SN3519; ConvF(10.36, 10.36, 10.36); Calibrated: 2/21/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 1/23/2012
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Flat/Area Scan (81x181x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.65 mW/g

Flat/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 10.4 V/m; Power Drift = 0.00982 dB
Peak SAR (extrapolated) = 2.04 W/kg
SAR(1 g) = 1.45 mW/g; SAR(10 g) = 0.973 mW/g
Maximum value of SAR (measured) = 1.67 mW/g



Test Laboratory: A Test Lab Techno Corp.
Date/Time: 3/24/2012 12:32:57 PM

Flat_GPRS 850 CH251_3D2U_Back Surface 0mm_Thick Battery_Shoulder strap

DUT: Gobi2000; Type: Gobi2000 PCI Express Mini Card; FCC ID: KDZLXE-FX1WW

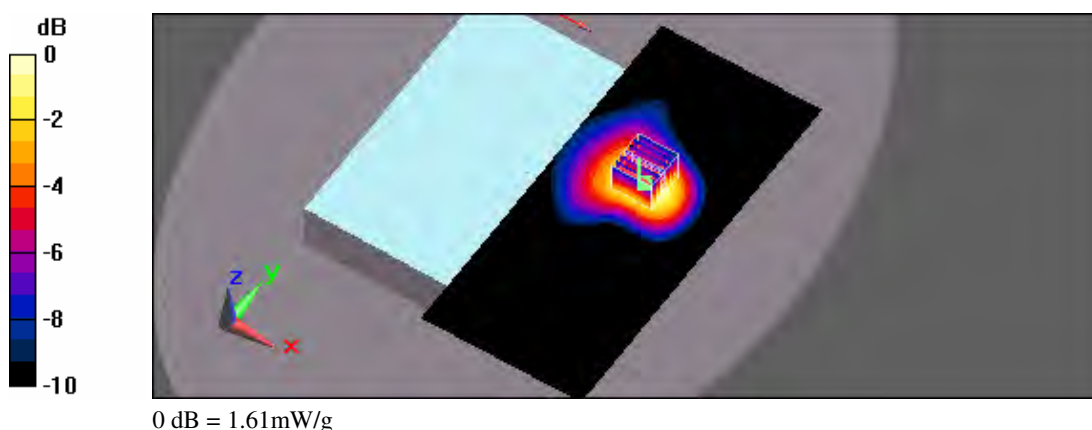
Communication System: GPRS 850 (3Down, 2Up); Frequency: 848.8 MHz; Duty Cycle: 1:4
Medium parameters used: $f = 849$ MHz; $\sigma = 0.986$ mho/m; $\epsilon_r = 54.4$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV3 - SN3519; ConvF(10.36, 10.36, 10.36); Calibrated: 2/21/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 1/23/2012
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Flat/Area Scan (81x181x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.62 mW/g

Flat/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 10.2 V/m; Power Drift = -0.019 dB
Peak SAR (extrapolated) = 1.99 W/kg
SAR(1 g) = 1.41 mW/g; SAR(10 g) = 0.932 mW/g
Maximum value of SAR (measured) = 1.61 mW/g



Test Laboratory: A Test Lab Techno Corp.
Date/Time: 4/3/2012 11:22:36 PM

Flat_GPRS 850 CH128_3D2U_Back Surface 0mm_Thick Battery_Hand Strap_Barcode and Magnetic Stripe

DUT: Gobi2000; Type: Gobi2000 PCI Express Mini Card; FCC ID: KDZLXE-FX1WW

Communication System: GPRS 850 (3Down, 2Up); Frequency: 824.2 MHz; Duty Cycle: 1:4
Medium parameters used (interpolated): $f = 824.2$ MHz; $\sigma = 0.973$ mho/m; $\epsilon_r = 53.8$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV3 - SN3519; ConvF(10.36, 10.36, 10.36); Calibrated: 2/21/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 1/23/2012
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Flat/Area Scan (81x181x1): Measurement grid: $dx=15$ mm, $dy=15$ mm
Maximum value of SAR (interpolated) = 1.81 mW/g

Flat/Zoom Scan (7x7x9)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=3$ mm
Reference Value = 8.5 V/m; Power Drift = -0.042 dB
Peak SAR (extrapolated) = 2.21 W/kg
SAR(1 g) = 1.54 mW/g; SAR(10 g) = 1.02 mW/g
Maximum value of SAR (measured) = 1.77 mW/g



Test Laboratory: A Test Lab Techno Corp.
Date/Time: 4/5/2012 4:13:48 AM

Flat_GPRS 850 CH190_3D2U_Back Surface 0mm_Thick Battery_Hand Strap_Barcode and Magnetic Stripe

DUT: Gobi2000; Type: Gobi2000 PCI Express Mini Card; FCC ID: KDZLXE-FX1WW

Communication System: GPRS 850 (3Down, 2Up); Frequency: 836.6 MHz; Duty Cycle: 1:4
Medium parameters used: $f = 837$ MHz; $\sigma = 0.987$ mho/m; $\epsilon_r = 53.7$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV3 - SN3519; ConvF(10.36, 10.36, 10.36); Calibrated: 2/21/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 1/23/2012
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Flat/Area Scan (81x181x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.52 mW/g

Flat/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 7.84 V/m; Power Drift = -0.128 dB
Peak SAR (extrapolated) = 1.88 W/kg
SAR(1 g) = 1.29 mW/g; SAR(10 g) = 0.852 mW/g
Maximum value of SAR (measured) = 1.52 mW/g



Test Laboratory: A Test Lab Techno Corp.
Date/Time: 4/5/2012 4:52:39 AM

Flat_GPRS 850 CH251_3D2U_Back Surface 0mm_Thick Battery_Hand Strap_Barcode and Magnetic Stripe

DUT: Gobi2000; Type: Gobi2000 PCI Express Mini Card; FCC ID: KDZLXE-FX1WW

Communication System: GPRS 850 (3Down, 2Up); Frequency: 848.8 MHz; Duty Cycle: 1:4
Medium parameters used: $f = 849$ MHz; $\sigma = 1$ mho/m; $\epsilon_r = 53.6$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV3 - SN3519; ConvF(10.36, 10.36, 10.36); Calibrated: 2/21/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 1/23/2012
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Flat/Area Scan (81x181x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.48 mW/g

Flat/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 7.4 V/m; Power Drift = -0.074 dB
Peak SAR (extrapolated) = 1.77 W/kg
SAR(1 g) = 1.24 mW/g; SAR(10 g) = 0.815 mW/g
Maximum value of SAR (measured) = 1.44 mW/g



Test Laboratory: A Test Lab Techno Corp.
Date/Time: 3/31/2012 6:50:27 PM

Flat_GPRS PCS CH661_3D2U_Front Surface 0mm_Hip pad Battery

DUT: Gobi2000; Type: Gobi2000 PCI Express Mini Card; FCC ID: KDZLXE-FX1WW

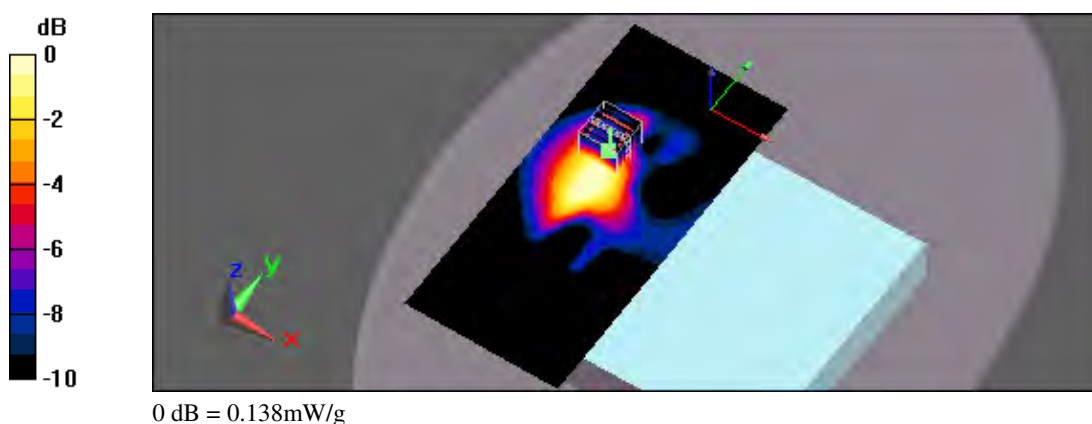
Communication System: GPRS PCS (3Down,2Up); Frequency: 1880 MHz;Duty Cycle: 1:4
Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.48 \text{ mho/m}$; $\epsilon_r = 51.4$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV3 - SN3519; ConvF(9.04, 9.04, 9.04); Calibrated: 2/21/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 1/23/2012
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 125;SEMCAD X Version 13.4 Build 125

Flat/Area Scan (81x181x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Maximum value of SAR (interpolated) = 0.147 mW/g

Flat/Zoom Scan (7x7x9)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=3\text{mm}$
Reference Value = 2.74 V/m; Power Drift = 0.189 dB
Peak SAR (extrapolated) = 0.181 W/kg
SAR(1 g) = 0.115 mW/g; SAR(10 g) = 0.067 mW/g
Maximum value of SAR (measured) = 0.138 mW/g



Test Laboratory: A Test Lab Techno Corp.
Date/Time: 3/31/2012 3:23:17 PM

Flat_GPRS PCS CH661_3D2U_Front Surface 0mm_Hip pad Battery_Hand Strap

DUT: Gobi2000; Type: Gobi2000 PCI Express Mini Card; FCC ID: KDZLXE-FX1WW

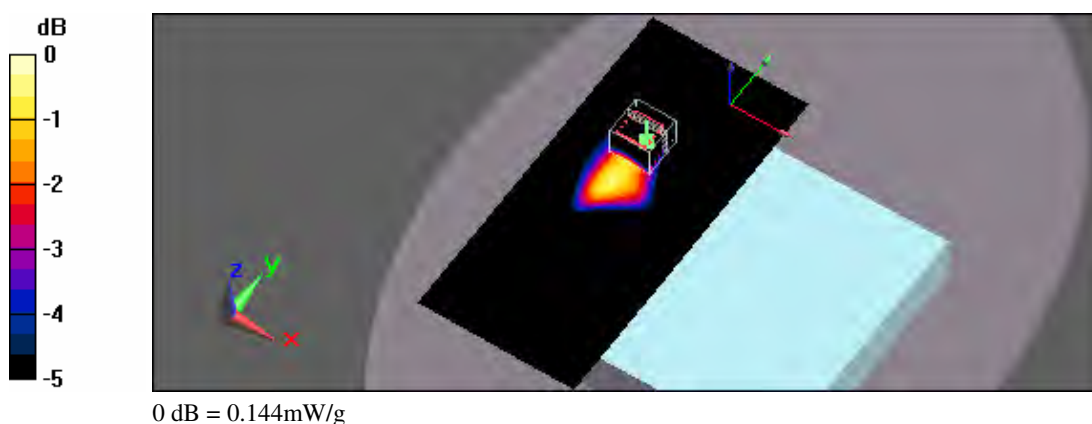
Communication System: GPRS PCS (3Down,2Up); Frequency: 1880 MHz;Duty Cycle: 1:4
Medium parameters used: $f = 1880$ MHz; $\sigma = 1.48$ mho/m; $\epsilon_r = 51.4$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV3 - SN3519; ConvF(9.04, 9.04, 9.04); Calibrated: 2/21/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 1/23/2012
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 125;SEMCAD X Version 13.4 Build 125

Flat/Area Scan (81x181x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.130 mW/g

Flat/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 3.09 V/m; Power Drift = -0.060 dB
Peak SAR (extrapolated) = 0.190 W/kg
SAR(1 g) = 0.118 mW/g; SAR(10 g) = 0.068 mW/g
Maximum value of SAR (measured) = 0.144 mW/g



Test Laboratory: A Test Lab Techno Corp.
Date/Time: 3/31/2012 8:21:40 PM

Flat_GPRS PCS CH661_3D2U_Front Surface 0mm_Hip pad Battery_Shoulder strap

DUT: Gobi2000; Type: Gobi2000 PCI Express Mini Card; FCC ID: KDZLXE-FX1WW

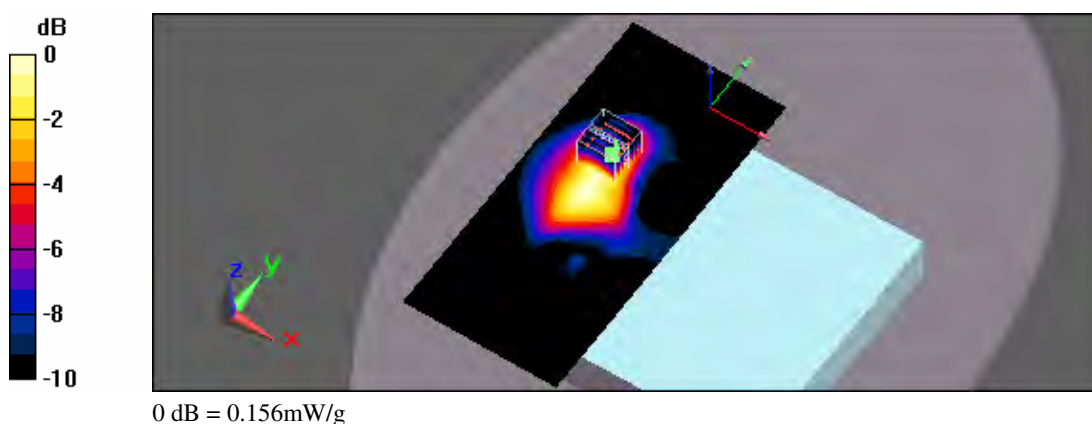
Communication System: GPRS PCS (3Down,2Up); Frequency: 1880 MHz;Duty Cycle: 1:4
Medium parameters used: $f = 1880$ MHz; $\sigma = 1.48$ mho/m; $\epsilon_r = 51.4$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV3 - SN3519; ConvF(9.04, 9.04, 9.04); Calibrated: 2/21/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 1/23/2012
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 125;SEMCAD X Version 13.4 Build 125

Flat/Area Scan (81x181x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.147 mW/g

Flat/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 3.16 V/m; Power Drift = 0.126 dB
Peak SAR (extrapolated) = 0.208 W/kg
SAR(1 g) = 0.132 mW/g; SAR(10 g) = 0.077 mW/g
Maximum value of SAR (measured) = 0.156 mW/g



Test Laboratory: A Test Lab Techno Corp.
Date/Time: 3/31/2012 11:41:24 AM

Flat_GPRS PCS CH661_3D2U_Front Surface 0mm_Thick Battery

DUT: Gobi2000; Type: Gobi2000 PCI Express Mini Card; FCC ID: KDZLXE-FX1WW

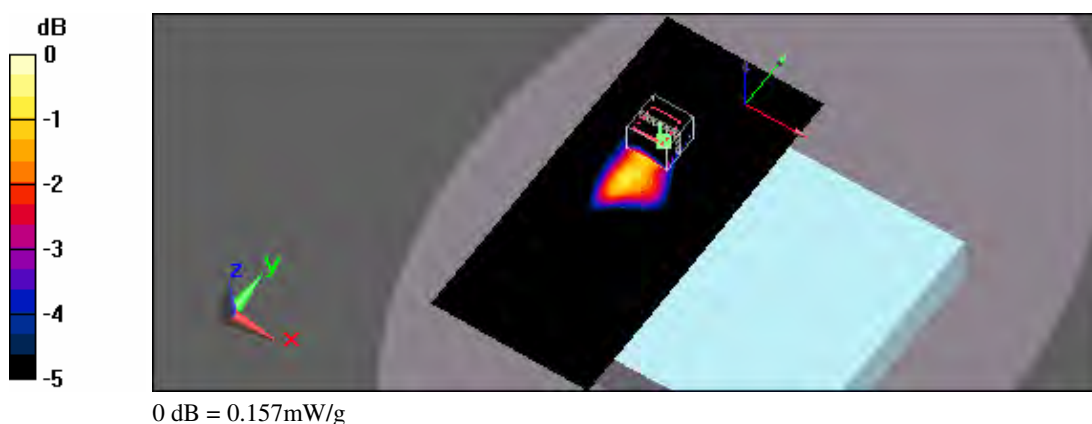
Communication System: GPRS PCS (3Down,2Up); Frequency: 1880 MHz;Duty Cycle: 1:4
Medium parameters used: $f = 1880$ MHz; $\sigma = 1.48$ mho/m; $\epsilon_r = 51.4$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV3 - SN3519; ConvF(9.04, 9.04, 9.04); Calibrated: 2/21/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 1/23/2012
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 125;SEMCAD X Version 13.4 Build 125

Flat/Area Scan (81x181x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.147 mW/g

Flat/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 2.99 V/m; Power Drift = 0.126 dB
Peak SAR (extrapolated) = 0.210 W/kg
SAR(1 g) = 0.129 mW/g; SAR(10 g) = 0.074 mW/g
Maximum value of SAR (measured) = 0.157 mW/g



Test Laboratory: A Test Lab Techno Corp.
Date/Time: 3/31/2012 2:13:34 PM

Flat_GPRS PCS CH661_3D2U_Front Surface 0mm_Thick Battery_Hand Strap

DUT: Gobi2000; Type: Gobi2000 PCI Express Mini Card; FCC ID: KDZLXE-FX1WW

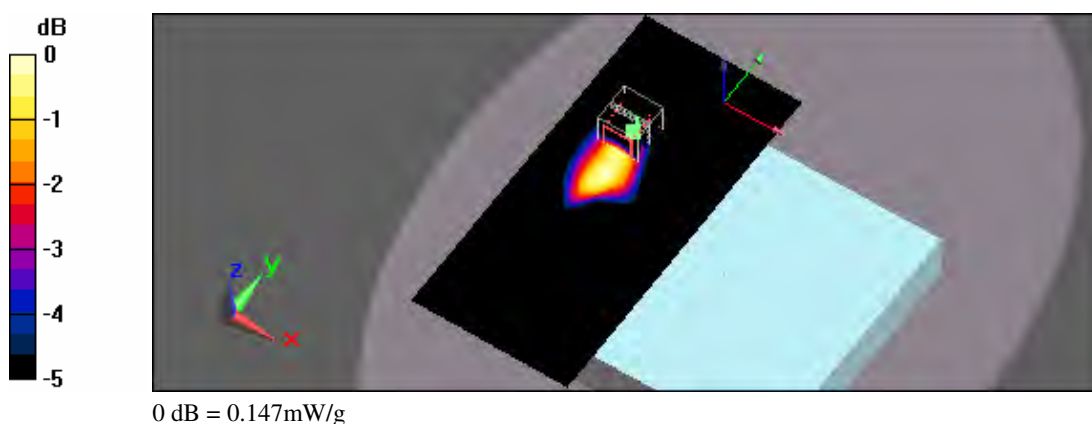
Communication System: GPRS PCS (3Down,2Up); Frequency: 1880 MHz;Duty Cycle: 1:4
Medium parameters used: $f = 1880$ MHz; $\sigma = 1.48$ mho/m; $\epsilon_r = 51.4$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV3 - SN3519; ConvF(9.04, 9.04, 9.04); Calibrated: 2/21/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 1/23/2012
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 125;SEMCAD X Version 13.4 Build 125

Flat/Area Scan (81x181x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.156 mW/g

Flat/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 2.82 V/m; Power Drift = -0.118 dB
Peak SAR (extrapolated) = 0.198 W/kg
SAR(1 g) = 0.124 mW/g; SAR(10 g) = 0.073 mW/g
Maximum value of SAR (measured) = 0.147 mW/g



Test Laboratory: A Test Lab Techno Corp.
Date/Time: 3/31/2012 10:59:11 AM

Flat_GPRS PCS CH661_3D2U_Front Surface 0mm_Thick Battery_Shoulder strap

DUT: Gobi2000; Type: Gobi2000 PCI Express Mini Card; FCC ID: KDZLXE-FX1WW

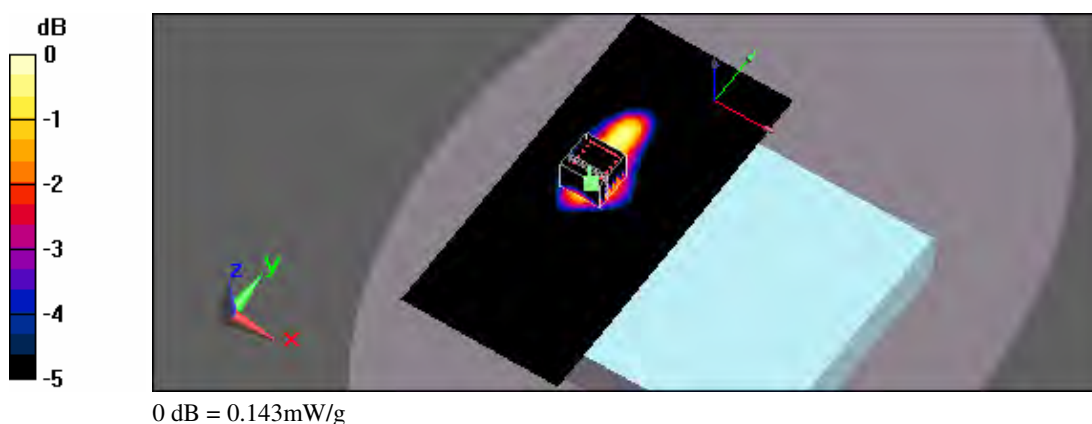
Communication System: GPRS PCS (3Down,2Up); Frequency: 1880 MHz;Duty Cycle: 1:4
Medium parameters used: $f = 1880$ MHz; $\sigma = 1.48$ mho/m; $\epsilon_r = 51.4$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV3 - SN3519; ConvF(9.04, 9.04, 9.04); Calibrated: 2/21/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 1/23/2012
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 125;SEMCAD X Version 13.4 Build 125

Flat/Area Scan (81x181x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.137 mW/g

Flat/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 3.02 V/m; Power Drift = -0.066 dB
Peak SAR (extrapolated) = 0.201 W/kg
SAR(1 g) = 0.117 mW/g; SAR(10 g) = 0.069 mW/g
Maximum value of SAR (measured) = 0.143 mW/g



Test Laboratory: A Test Lab Techno Corp.
Date/Time: 3/31/2012 4:58:39 PM

Flat_GPRS PCS CH661_3D2U_Back Surface 0mm_Hip pad Battery

DUT: Gobi2000; Type: Gobi2000 PCI Express Mini Card; FCC ID: KDZLXE-FX1WW

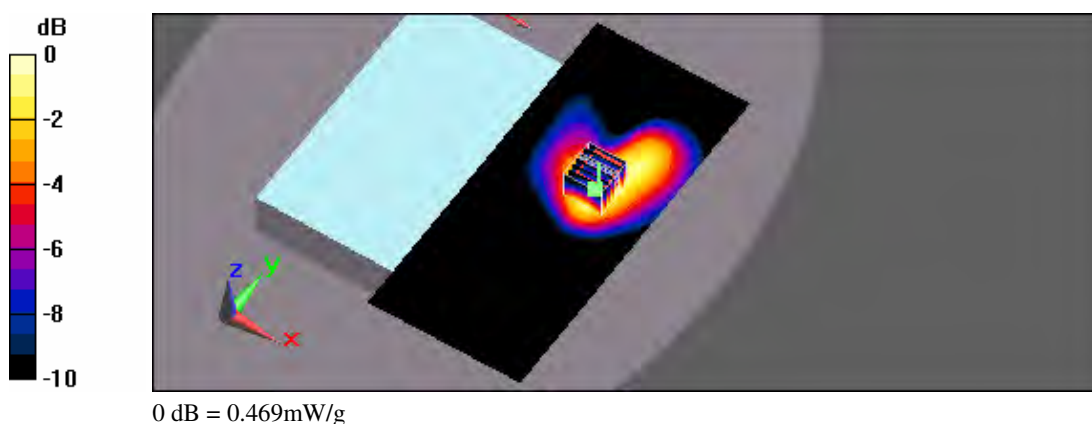
Communication System: GPRS PCS (3Down,2Up); Frequency: 1880 MHz;Duty Cycle: 1:4
Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.48 \text{ mho/m}$; $\epsilon_r = 51.4$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV3 - SN3519; ConvF(9.04, 9.04, 9.04); Calibrated: 2/21/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 1/23/2012
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 125;SEMCAD X Version 13.4 Build 125

Flat/Area Scan (81x181x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Maximum value of SAR (interpolated) = 0.493 mW/g

Flat/Zoom Scan (7x7x9)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=3\text{mm}$
Reference Value = 2.5 V/m; Power Drift = -0.190 dB
Peak SAR (extrapolated) = 0.623 W/kg
SAR(1 g) = 0.402 mW/g; SAR(10 g) = 0.249 mW/g
Maximum value of SAR (measured) = 0.469 mW/g



Test Laboratory: A Test Lab Techno Corp.
Date/Time: 3/31/2012 4:13:26 PM

Flat_GPRS PCS CH661_3D2U_Back Surface 0mm_Hip pad Battery_Hand Strap

DUT: Gobi2000; Type: Gobi2000 PCI Express Mini Card; FCC ID: KDZLXE-FX1WW

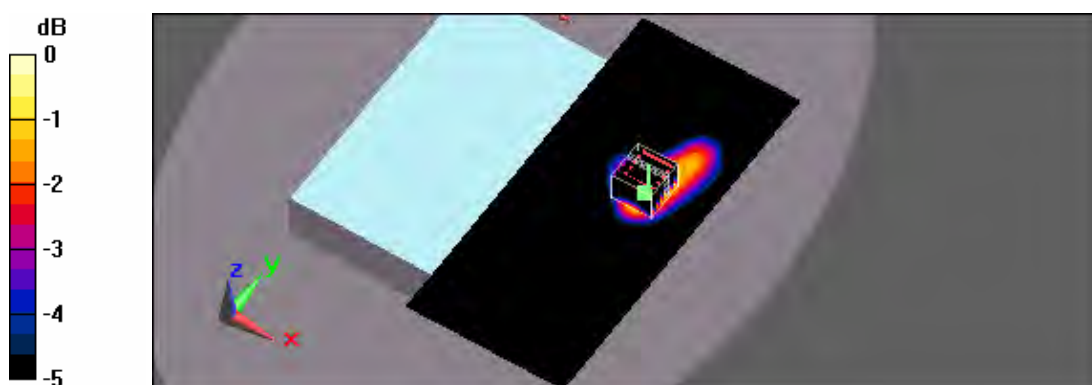
Communication System: GPRS PCS (3Down,2Up); Frequency: 1880 MHz;Duty Cycle: 1:4
Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.48 \text{ mho/m}$; $\epsilon_r = 51.4$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV3 - SN3519; ConvF(9.04, 9.04, 9.04); Calibrated: 2/21/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 1/23/2012
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 125;SEMCAD X Version 13.4 Build 125

Flat/Area Scan (81x181x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Maximum value of SAR (interpolated) = 0.498 mW/g

Flat/Zoom Scan (7x7x9)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=3\text{mm}$
Reference Value = 2.54 V/m; Power Drift = -0.00258 dB
Peak SAR (extrapolated) = 0.650 W/kg
SAR(1 g) = 0.416 mW/g; SAR(10 g) = 0.255 mW/g
Maximum value of SAR (measured) = 0.494 mW/g



0 dB = 0.494mW/g

Test Laboratory: A Test Lab Techno Corp.
Date/Time: 3/31/2012 7:37:08 PM

Flat_GPRS PCS CH661_3D2U_Back Surface 0mm_Hip pad Battery_Shoulder strap

DUT: Gobi2000; Type: Gobi2000 PCI Express Mini Card; FCC ID: KDZLXE-FX1WW

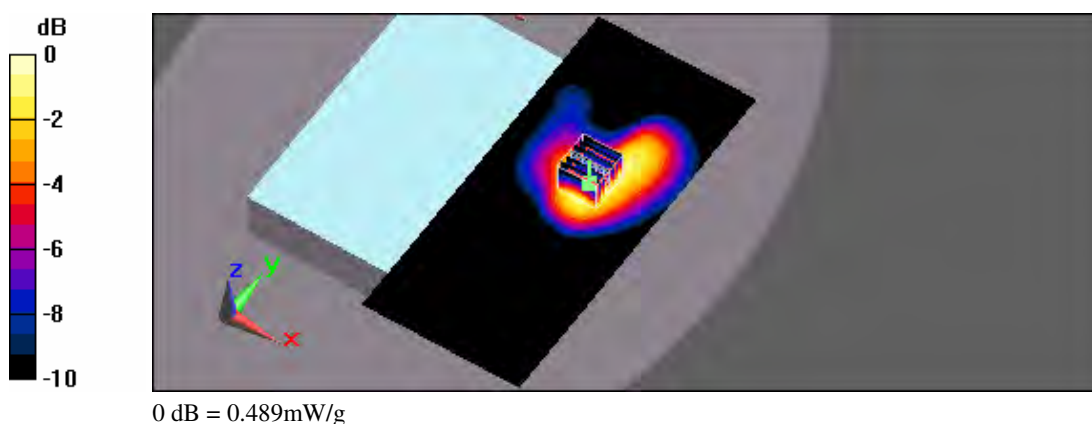
Communication System: GPRS PCS (3Down,2Up); Frequency: 1880 MHz;Duty Cycle: 1:4
Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.48 \text{ mho/m}$; $\epsilon_r = 51.4$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV3 - SN3519; ConvF(9.04, 9.04, 9.04); Calibrated: 2/21/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 1/23/2012
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 125;SEMCAD X Version 13.4 Build 125

Flat/Area Scan (81x181x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Maximum value of SAR (interpolated) = 0.496 mW/g

Flat/Zoom Scan (7x7x9)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=3\text{mm}$
Reference Value = 3.01 V/m; Power Drift = 0.068 dB
Peak SAR (extrapolated) = 0.632 W/kg
SAR(1 g) = 0.409 mW/g; SAR(10 g) = 0.253 mW/g
Maximum value of SAR (measured) = 0.489 mW/g



Test Laboratory: A Test Lab Techno Corp.
Date/Time: 3/31/2012 12:44:26 PM

Flat_GPRS PCS CH661_3D2U_Back Surface 0mm_Thick Battery

DUT: Gobi2000; Type: Gobi2000 PCI Express Mini Card; FCC ID: KDZLXE-FX1WW

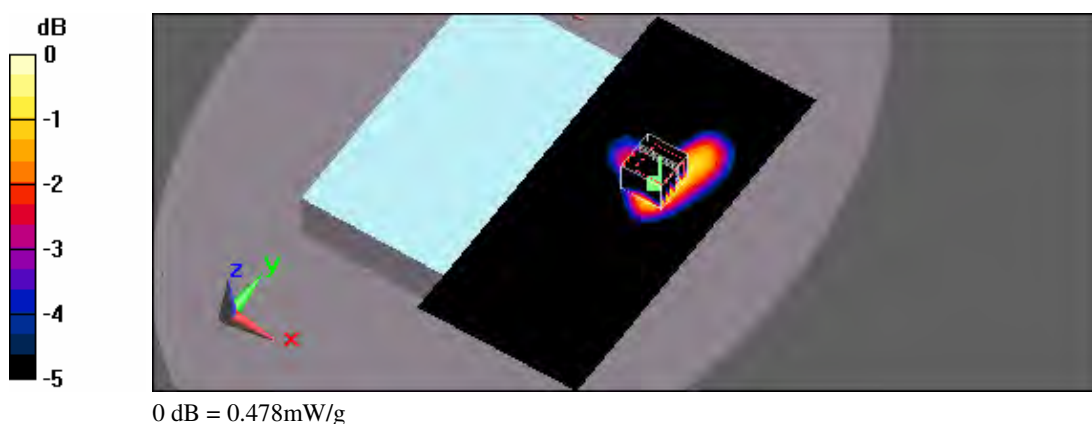
Communication System: GPRS PCS (3Down,2Up); Frequency: 1880 MHz;Duty Cycle: 1:4
Medium parameters used: $f = 1880$ MHz; $\sigma = 1.48$ mho/m; $\epsilon_r = 51.4$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV3 - SN3519; ConvF(9.04, 9.04, 9.04); Calibrated: 2/21/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 1/23/2012
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 125;SEMCAD X Version 13.4 Build 125

Flat/Area Scan (81x181x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.478 mW/g

Flat/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 2.99 V/m; Power Drift = 0.186 dB
Peak SAR (extrapolated) = 0.626 W/kg
SAR(1 g) = 0.403 mW/g; SAR(10 g) = 0.250 mW/g
Maximum value of SAR (measured) = 0.478 mW/g



Test Laboratory: A Test Lab Techno Corp.
Date/Time: 3/31/2012 1:29:51 PM

Flat_GPRS PCS CH661_3D2U_Back Surface 0mm_Thick Battery_Hand Strap

DUT: Gobi2000; Type: Gobi2000 PCI Express Mini Card; FCC ID: KDZLXE-FX1WW

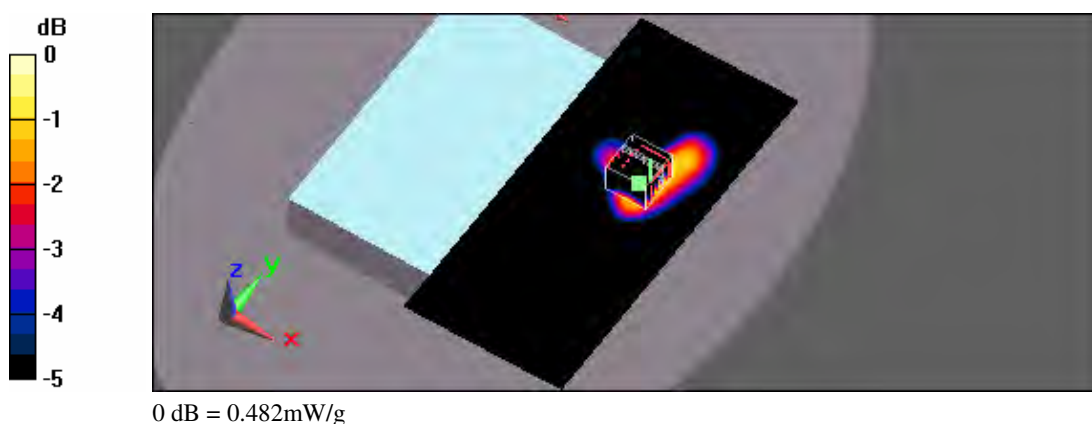
Communication System: GPRS PCS (3Down,2Up); Frequency: 1880 MHz;Duty Cycle: 1:4
Medium parameters used: $f = 1880$ MHz; $\sigma = 1.48$ mho/m; $\epsilon_r = 51.4$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV3 - SN3519; ConvF(9.04, 9.04, 9.04); Calibrated: 2/21/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 1/23/2012
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 125;SEMCAD X Version 13.4 Build 125

Flat/Area Scan (81x181x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.467 mW/g

Flat/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 3.43 V/m; Power Drift = 0.00333 dB
Peak SAR (extrapolated) = 0.635 W/kg
SAR(1 g) = 0.412 mW/g; SAR(10 g) = 0.254 mW/g
Maximum value of SAR (measured) = 0.482 mW/g



Test Laboratory: A Test Lab Techno Corp.
Date/Time: 3/31/2012 10:13:53 AM

Flat_GPRS PCS CH661_3D2U_Back Surface 0mm_Thick Battery_Shoulder strap

DUT: Gobi2000; Type: Gobi2000 PCI Express Mini Card; FCC ID: KDZLXE-FX1WW

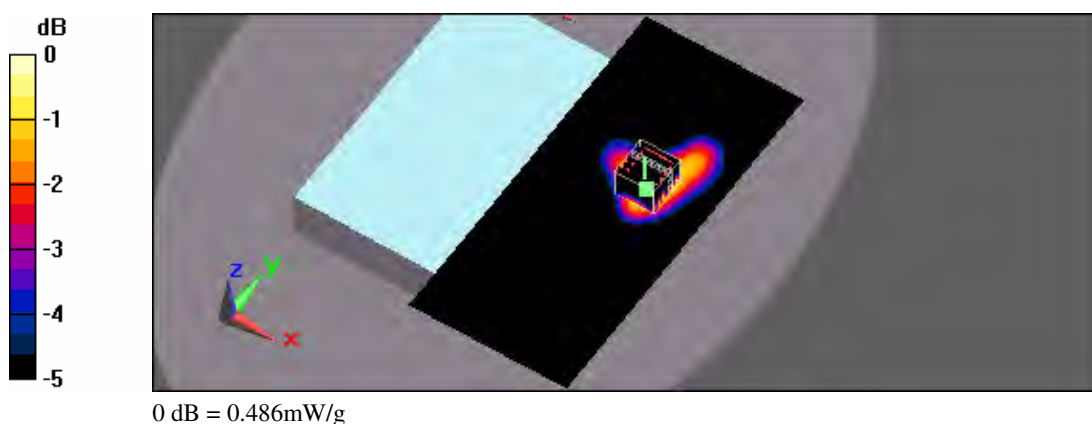
Communication System: GPRS PCS (3Down,2Up); Frequency: 1880 MHz;Duty Cycle: 1:4
Medium parameters used: $f = 1880$ MHz; $\sigma = 1.48$ mho/m; $\epsilon_r = 51.4$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV3 - SN3519; ConvF(9.04, 9.04, 9.04); Calibrated: 2/21/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 1/23/2012
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 125;SEMCAD X Version 13.4 Build 125

Flat/Area Scan (81x181x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.480 mW/g

Flat/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 3.08 V/m; Power Drift = 0.163 dB
Peak SAR (extrapolated) = 0.646 W/kg
SAR(1 g) = 0.411 mW/g; SAR(10 g) = 0.254 mW/g
Maximum value of SAR (measured) = 0.486 mW/g



Test Laboratory: A Test Lab Techno Corp.
Date/Time: 3/31/2012 12:36:16 AM

Flat_WCDMA Band II CH9400_Front Surface 0mm_Hip pad Battery

DUT: Gobi2000; Type: Gobi2000 PCI Express Mini Card; FCC ID: KDZLXE-FX1WW

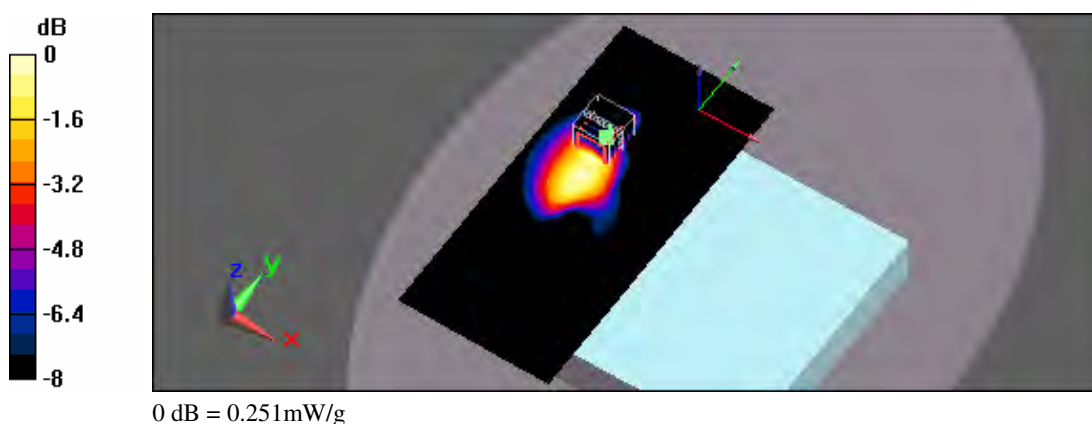
Communication System: WCDMA Band II; Frequency: 1880 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 1880$ MHz; $\sigma = 1.48$ mho/m; $\epsilon_r = 51.4$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV3 - SN3519; ConvF(9.04, 9.04, 9.04); Calibrated: 2/21/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 1/23/2012
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Flat/Area Scan (81x181x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.280 mW/g

Flat/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 3.31 V/m; Power Drift = -0.145 dB
Peak SAR (extrapolated) = 0.336 W/kg
SAR(1 g) = 0.213 mW/g; SAR(10 g) = 0.125 mW/g
Maximum value of SAR (measured) = 0.251 mW/g



Test Laboratory: A Test Lab Techno Corp.
Date/Time: 3/31/2012 5:29:50 AM

Flat_WCDMA Band II CH9400_Front Surface 0mm_Hip pad Battery_Hand Strap

DUT: Gobi2000; Type: Gobi2000 PCI Express Mini Card; FCC ID: KDZLXE-FX1WW

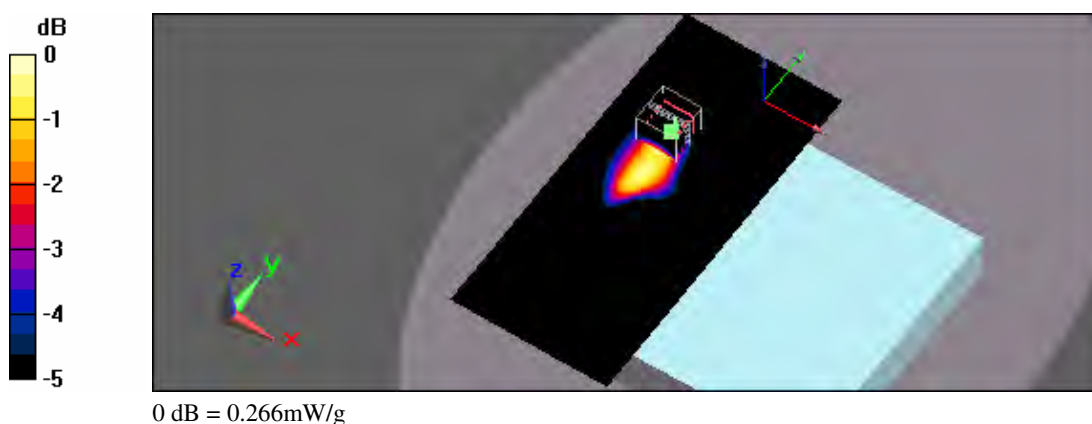
Communication System: WCDMA Band II; Frequency: 1880 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.48 \text{ mho/m}$; $\epsilon_r = 51.4$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV3 - SN3519; ConvF(9.04, 9.04, 9.04); Calibrated: 2/21/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 1/23/2012
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Flat/Area Scan (81x181x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Maximum value of SAR (interpolated) = 0.277 mW/g

Flat/Zoom Scan (7x7x9)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=3\text{mm}$
Reference Value = 3.47 V/m; Power Drift = 0.054 dB
Peak SAR (extrapolated) = 0.357 W/kg
SAR(1 g) = 0.224 mW/g; SAR(10 g) = 0.130 mW/g
Maximum value of SAR (measured) = 0.266 mW/g



Test Laboratory: A Test Lab Techno Corp.
Date/Time: 3/31/2012 4:07:28 AM

Flat_WCDMA Band II CH9400_Front Surface 0mm_Hip pad Battery_Shoulder strap

DUT: Gobi2000; Type: Gobi2000 PCI Express Mini Card; FCC ID: KDZLXE-FX1WW

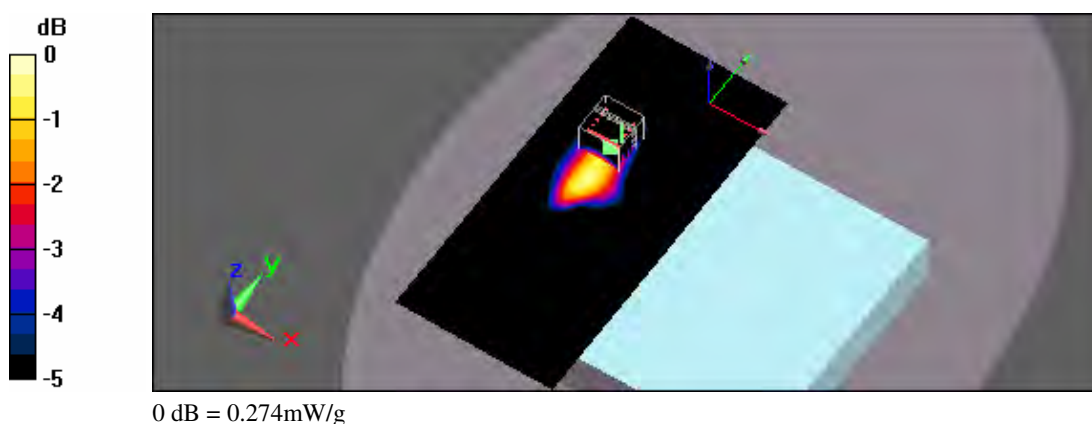
Communication System: WCDMA Band II; Frequency: 1880 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 1880$ MHz; $\sigma = 1.48$ mho/m; $\epsilon_r = 51.4$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV3 - SN3519; ConvF(9.04, 9.04, 9.04); Calibrated: 2/21/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 1/23/2012
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Flat/Area Scan (81x181x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.261 mW/g

Flat/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 3.65 V/m; Power Drift = 0.160 dB
Peak SAR (extrapolated) = 0.364 W/kg
SAR(1 g) = 0.229 mW/g; SAR(10 g) = 0.133 mW/g
Maximum value of SAR (measured) = 0.274 mW/g



Test Laboratory: A Test Lab Techno Corp.
Date/Time: 3/31/2012 1:38:32 AM

Flat_WCDMA Band II CH9400_Front Surface 0mm_Thick Battery

DUT: Gobi2000; Type: Gobi2000 PCI Express Mini Card; FCC ID: KDZLXE-FX1WW

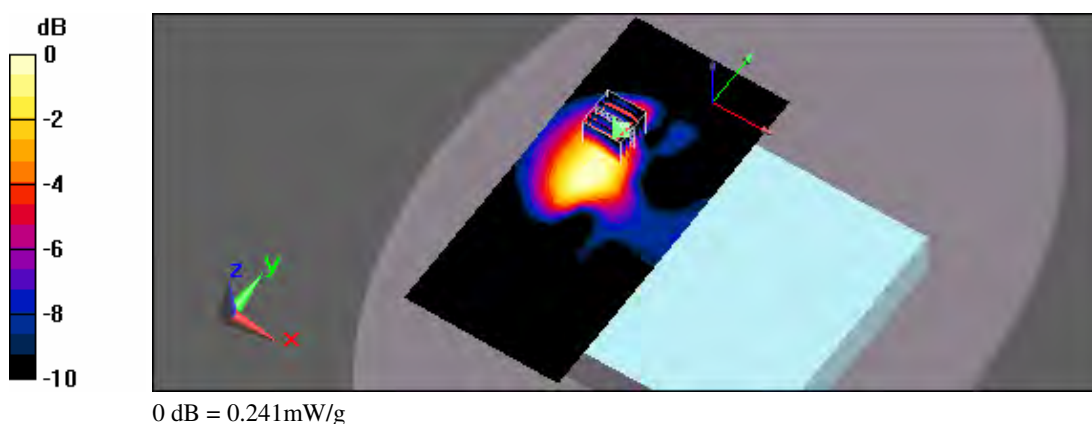
Communication System: WCDMA Band II; Frequency: 1880 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 1880$ MHz; $\sigma = 1.48$ mho/m; $\epsilon_r = 51.4$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV3 - SN3519; ConvF(9.04, 9.04, 9.04); Calibrated: 2/21/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 1/23/2012
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Flat/Area Scan (81x181x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.259 mW/g

Flat/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 3.33 V/m; Power Drift = 0.131 dB
Peak SAR (extrapolated) = 0.318 W/kg
SAR(1 g) = 0.202 mW/g; SAR(10 g) = 0.119 mW/g
Maximum value of SAR (measured) = 0.241 mW/g



Test Laboratory: A Test Lab Techno Corp.
Date/Time: 3/31/2012 7:32:50 AM

Flat_WCDMA Band II CH9400_Front Surface 0mm_Thick Battery_Hand Strap

DUT: Gobi2000; Type: Gobi2000 PCI Express Mini Card; FCC ID: KDZLXE-FX1WW

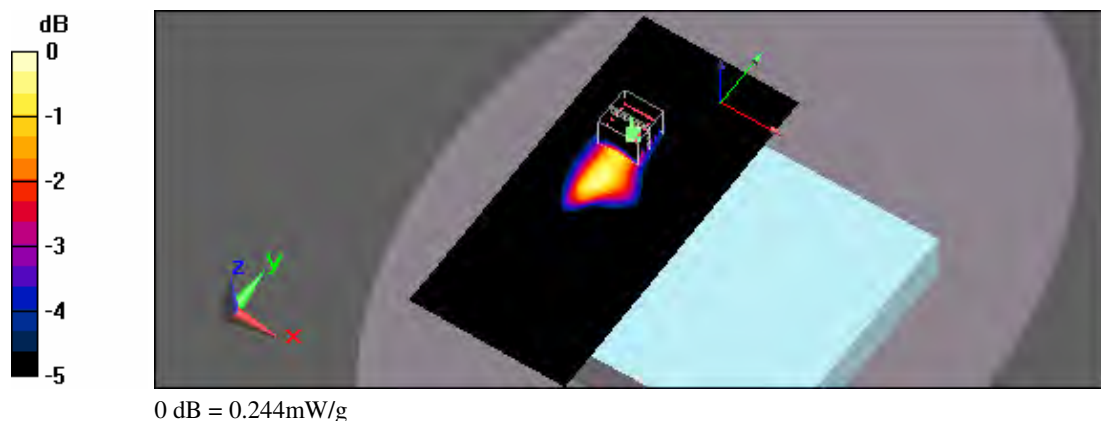
Communication System: WCDMA Band II; Frequency: 1880 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 1880$ MHz; $\sigma = 1.48$ mho/m; $\epsilon_r = 51.4$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV3 - SN3519; ConvF(9.04, 9.04, 9.04); Calibrated: 2/21/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 1/23/2012
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Flat/Area Scan (81x181x1): Measurement grid: $dx=15$ mm, $dy=15$ mm
Maximum value of SAR (interpolated) = 0.232 mW/g

Flat/Zoom Scan (7x7x9)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=3$ mm
Reference Value = 3.89 V/m; Power Drift = 0.044 dB
Peak SAR (extrapolated) = 0.328 W/kg
SAR(1 g) = 0.206 mW/g; SAR(10 g) = 0.119 mW/g
Maximum value of SAR (measured) = 0.244 mW/g



Test Laboratory: A Test Lab Techno Corp.
Date/Time: 3/31/2012 8:15:12 AM

Flat_WCDMA Band II CH9400_Front Surface 0mm_Thick Battery_Shoulder strap

DUT: Gobi2000; Type: Gobi2000 PCI Express Mini Card; FCC ID: KDZLXE-FX1WW

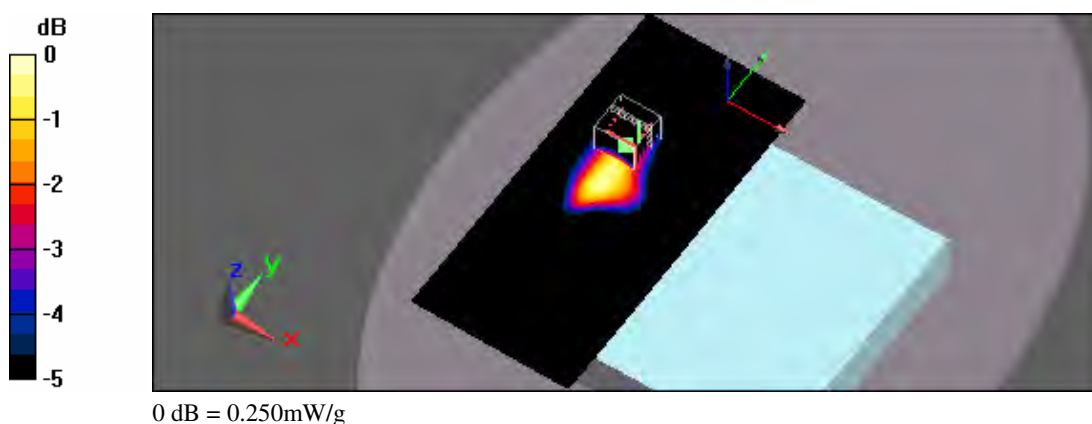
Communication System: WCDMA Band II; Frequency: 1880 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 1880$ MHz; $\sigma = 1.48$ mho/m; $\epsilon_r = 51.4$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV3 - SN3519; ConvF(9.04, 9.04, 9.04); Calibrated: 2/21/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 1/23/2012
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Flat/Area Scan (81x181x1): Measurement grid: $dx=15$ mm, $dy=15$ mm
Maximum value of SAR (interpolated) = 0.241 mW/g

Flat/Zoom Scan (7x7x9)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=3$ mm
Reference Value = 3.95 V/m; Power Drift = 0.122 dB
Peak SAR (extrapolated) = 0.332 W/kg
SAR(1 g) = 0.208 mW/g; SAR(10 g) = 0.120 mW/g
Maximum value of SAR (measured) = 0.250 mW/g



Test Laboratory: A Test Lab Techno Corp.
Date/Time: 3/30/2012 7:07:03 PM

Flat_WCDMA Band II CH9400_Back Surface 0mm_Hip pad Battery

DUT: Gobi2000; Type: Gobi2000 PCI Express Mini Card; FCC ID: KDZLXE-FX1WW

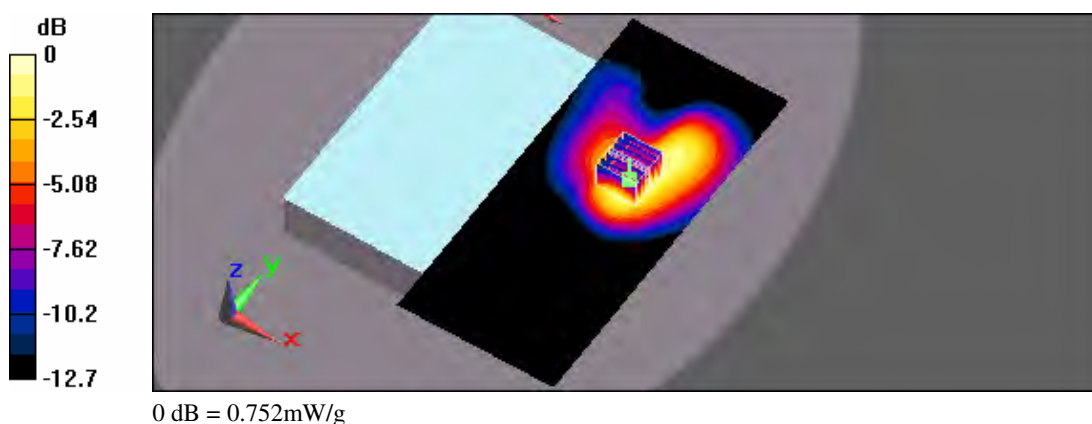
Communication System: WCDMA Band II; Frequency: 1880 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 1880$ MHz; $\sigma = 1.48$ mho/m; $\epsilon_r = 51.4$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV3 - SN3519; ConvF(9.04, 9.04, 9.04); Calibrated: 2/21/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 1/23/2012
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Flat/Area Scan (81x181x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.748 mW/g

Flat/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 3.14 V/m; Power Drift = 0.099 dB
Peak SAR (extrapolated) = 0.980 W/kg
SAR(1 g) = 0.636 mW/g; SAR(10 g) = 0.394 mW/g
Maximum value of SAR (measured) = 0.752 mW/g



Test Laboratory: A Test Lab Techno Corp.
Date/Time: 3/31/2012 2:41:41 AM

Flat_WCDMA Band II CH9400_Back Surface 0mm_Hip pad Battery_Hand Strap

DUT: Gobi2000; Type: Gobi2000 PCI Express Mini Card; FCC ID: KDZLXE-FX1WW

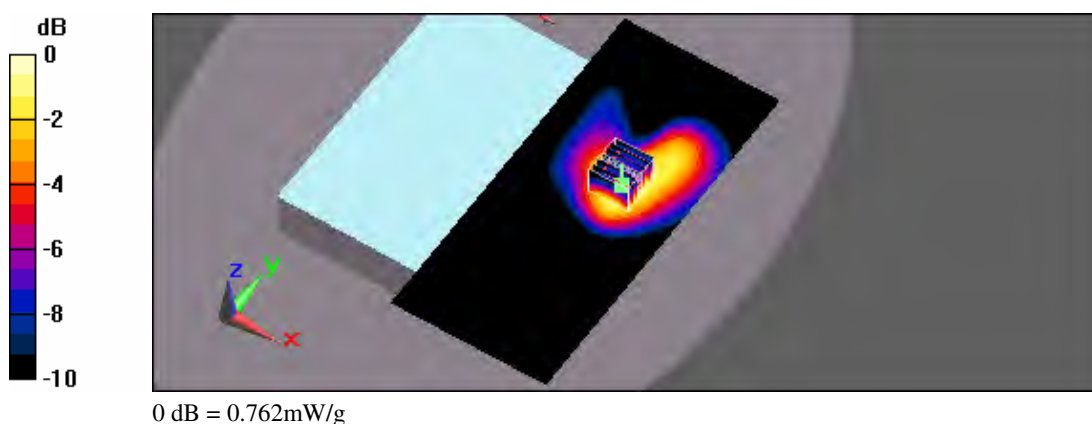
Communication System: WCDMA Band II; Frequency: 1880 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.48 \text{ mho/m}$; $\epsilon_r = 51.4$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV3 - SN3519; ConvF(9.04, 9.04, 9.04); Calibrated: 2/21/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 1/23/2012
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Flat/Area Scan (81x181x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Maximum value of SAR (interpolated) = 0.773 mW/g

Flat/Zoom Scan (7x7x9)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=3\text{mm}$
Reference Value = 3.39 V/m; Power Drift = 0.103 dB
Peak SAR (extrapolated) = 0.990 W/kg
SAR(1 g) = 0.644 mW/g; SAR(10 g) = 0.399 mW/g
Maximum value of SAR (measured) = 0.762 mW/g



Test Laboratory: A Test Lab Techno Corp.
Date/Time: 3/31/2012 3:26:36 AM

Flat_WCDMA Band II CH9400_Back Surface 0mm_Hip pad Battery_Shoulder strap

DUT: Gobi2000; Type: Gobi2000 PCI Express Mini Card; FCC ID: KDZLXE-FX1WW

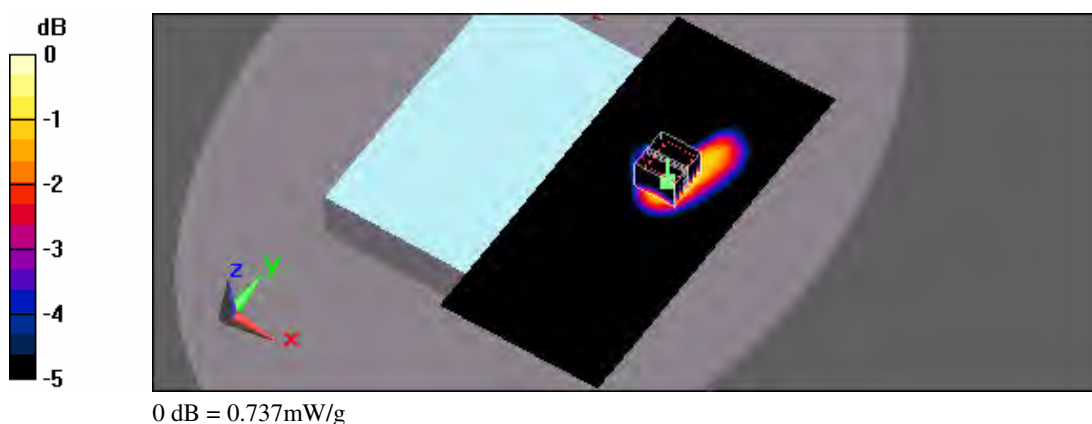
Communication System: WCDMA Band II; Frequency: 1880 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.48 \text{ mho/m}$; $\epsilon_r = 51.4$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV3 - SN3519; ConvF(9.04, 9.04, 9.04); Calibrated: 2/21/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 1/23/2012
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Flat/Area Scan (81x181x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Maximum value of SAR (interpolated) = 0.747 mW/g

Flat/Zoom Scan (7x7x9)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=3\text{mm}$
Reference Value = 3.75 V/m; Power Drift = -0.108 dB
Peak SAR (extrapolated) = 0.960 W/kg
SAR(1 g) = 0.621 mW/g; SAR(10 g) = 0.384 mW/g
Maximum value of SAR (measured) = 0.737 mW/g



Test Laboratory: A Test Lab Techno Corp.
Date/Time: 3/30/2012 8:41:16 PM

Flat_WCDMA Band II CH9400_Back Surface 0mm_Thick Battery

DUT: Gobi2000; Type: Gobi2000 PCI Express Mini Card; FCC ID: KDZLXE-FX1WW

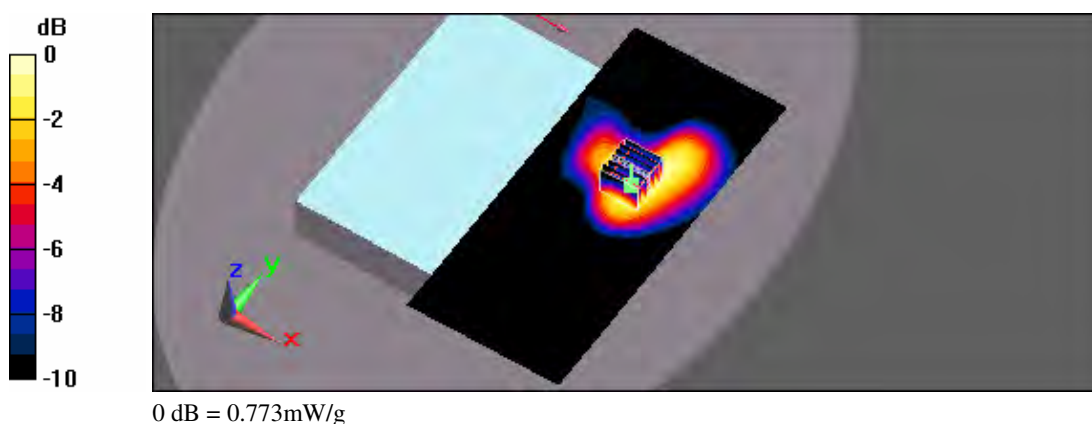
Communication System: WCDMA Band II; Frequency: 1880 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 1880$ MHz; $\sigma = 1.48$ mho/m; $\epsilon_r = 51.4$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV3 - SN3519; ConvF(9.04, 9.04, 9.04); Calibrated: 2/21/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 1/23/2012
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Flat/Area Scan (81x181x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.773 mW/g

Flat/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 4.4 V/m; Power Drift = -0.058 dB
Peak SAR (extrapolated) = 1.01 W/kg
SAR(1 g) = 0.653 mW/g; SAR(10 g) = 0.405 mW/g
Maximum value of SAR (measured) = 0.773 mW/g



Test Laboratory: A Test Lab Techno Corp.
Date/Time: 3/31/2012 6:32:19 AM

Flat_WCDMA Band II CH9400_Back Surface 0mm_Thick Battery_Hand Strap

DUT: Gobi2000; Type: Gobi2000 PCI Express Mini Card; FCC ID: KDZLXE-FX1WW

Communication System: WCDMA Band II; Frequency: 1880 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 1880$ MHz; $\sigma = 1.48$ mho/m; $\epsilon_r = 51.4$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

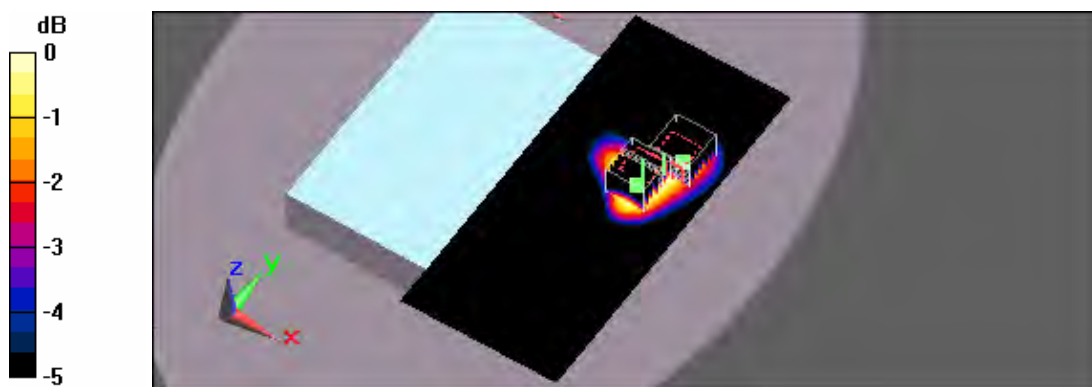
DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV3 - SN3519; ConvF(9.04, 9.04, 9.04); Calibrated: 2/21/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 1/23/2012
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Flat/Area Scan (81x181x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.808 mW/g

Flat/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 3.65 V/m; Power Drift = -0.011 dB
Peak SAR (extrapolated) = 1.06 W/kg
SAR(1 g) = 0.678 mW/g; SAR(10 g) = 0.418 mW/g
Maximum value of SAR (measured) = 0.803 mW/g

Flat/Zoom Scan (7x7x9)/Cube 1: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 3.65 V/m; Power Drift = -0.011 dB
Peak SAR (extrapolated) = 0.879 W/kg
SAR(1 g) = 0.556 mW/g; SAR(10 g) = 0.342 mW/g
Maximum value of SAR (measured) = 0.672 mW/g



0 dB = 0.672mW/g

Test Laboratory: A Test Lab Techno Corp.
Date/Time: 3/31/2012 9:14:40 AM

Flat_WCDMA Band II CH9400_Back Surface 0mm_Thick Battery_Shoulder strap

DUT: Gobi2000; Type: Gobi2000 PCI Express Mini Card; FCC ID: KDZLXE-FX1WW

Communication System: WCDMA Band II; Frequency: 1880 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 1880$ MHz; $\sigma = 1.48$ mho/m; $\epsilon_r = 51.4$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

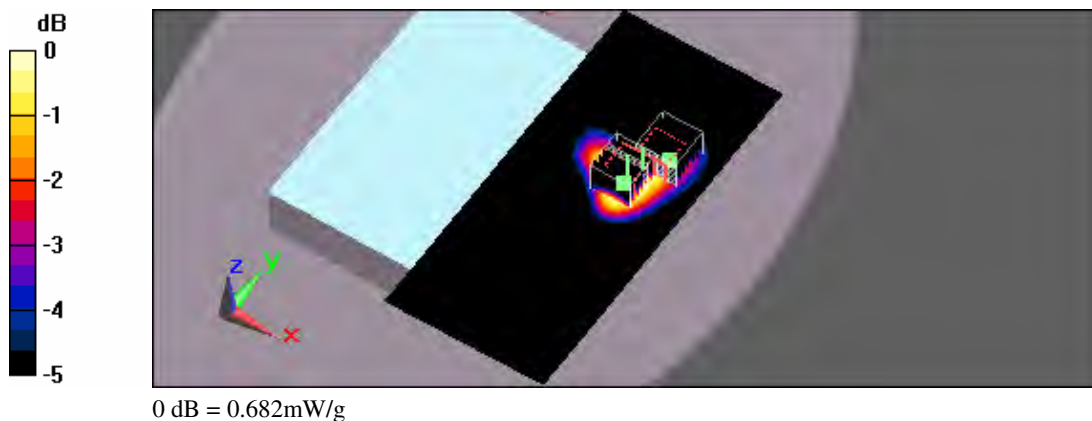
DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV3 - SN3519; ConvF(9.04, 9.04, 9.04); Calibrated: 2/21/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 1/23/2012
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Flat/Area Scan (81x181x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.814 mW/g

Flat/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 3.98 V/m; Power Drift = 0.028 dB
Peak SAR (extrapolated) = 1.05 W/kg
SAR(1 g) = 0.680 mW/g; SAR(10 g) = 0.419 mW/g
Maximum value of SAR (measured) = 0.803 mW/g

Flat/Zoom Scan (7x7x9)/Cube 1: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 3.98 V/m; Power Drift = 0.028 dB
Peak SAR (extrapolated) = 0.896 W/kg
SAR(1 g) = 0.536 mW/g; SAR(10 g) = 0.323 mW/g
Maximum value of SAR (measured) = 0.682 mW/g



Test Laboratory: A Test Lab Techno Corp.
Date/Time: 3/27/2012 6:52:46 PM

Flat_WCDMA Band V CH4183_Front Surface 0mm_Hip pad Battery

DUT: Gobi2000; Type: Gobi2000 PCI Express Mini Card; FCC ID: KDZLXE-FX1WW

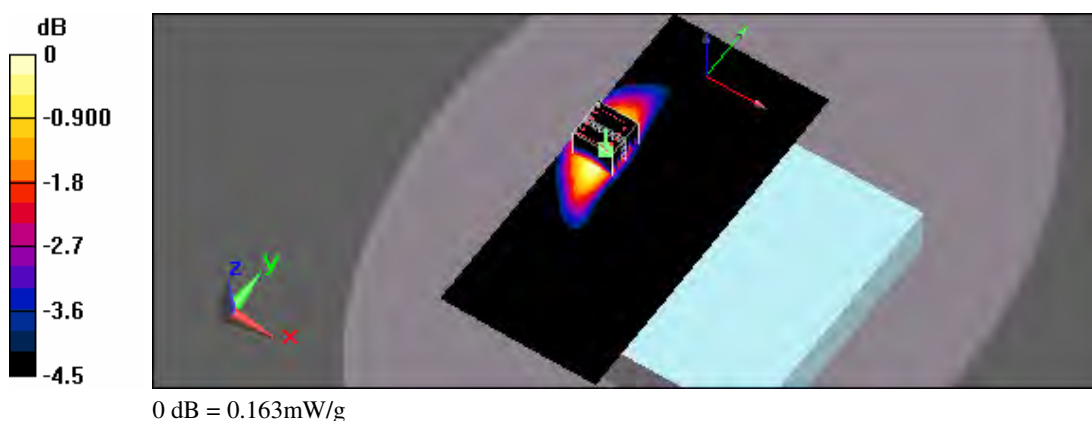
Communication System: WCDMA Band V; Frequency: 836.6 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 837$ MHz; $\sigma = 0.972$ mho/m; $\epsilon_r = 54.5$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV3 - SN3519; ConvF(10.36, 10.36, 10.36); Calibrated: 2/21/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 1/23/2012
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Flat/Area Scan (81x181x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.172 mW/g

Flat/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 2.71 V/m; Power Drift = 0.100 dB
Peak SAR (extrapolated) = 0.204 W/kg
SAR(1 g) = 0.143 mW/g; SAR(10 g) = 0.098 mW/g
Maximum value of SAR (measured) = 0.163 mW/g



Test Laboratory: A Test Lab Techno Corp.
Date/Time: 3/27/2012 8:23:14 PM

Flat_WCDMA Band V CH4183_Front Surface 0mm_Hip pad Battery_Hand Strap

DUT: Gobi2000; Type: Gobi2000 PCI Express Mini Card; FCC ID: KDZLXE-FX1WW

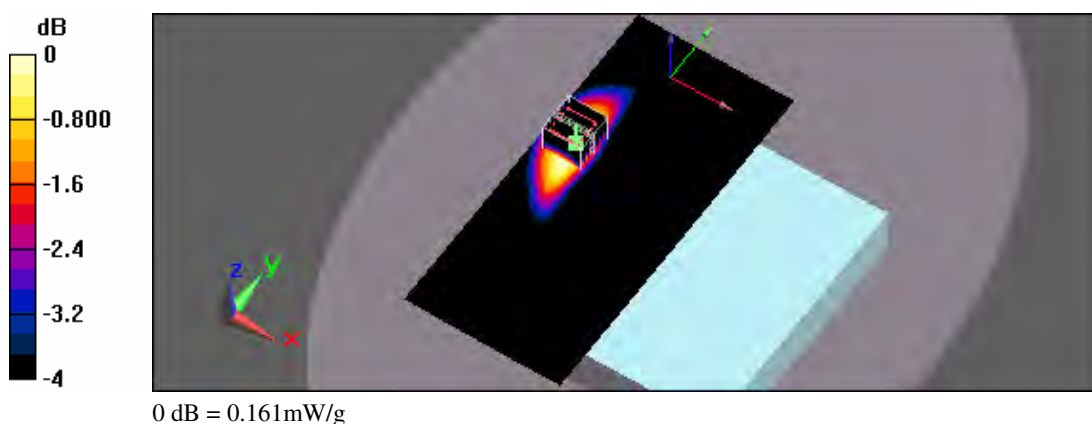
Communication System: WCDMA Band V; Frequency: 836.6 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 837$ MHz; $\sigma = 0.972$ mho/m; $\epsilon_r = 54.5$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV3 - SN3519; ConvF(10.36, 10.36, 10.36); Calibrated: 2/21/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 1/23/2012
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Flat/Area Scan (81x181x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.170 mW/g

Flat/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 2.59 V/m; Power Drift = 0.029 dB
Peak SAR (extrapolated) = 0.202 W/kg
SAR(1 g) = 0.141 mW/g; SAR(10 g) = 0.096 mW/g
Maximum value of SAR (measured) = 0.161 mW/g



Test Laboratory: A Test Lab Techno Corp.
Date/Time: 3/27/2012 7:35:59 PM

Flat_WCDMA Band V CH4183_Front Surface 0mm_Hip pad Battery_Shoulder strap

DUT: Gobi2000; Type: Gobi2000 PCI Express Mini Card; FCC ID: KDZLXE-FX1WW

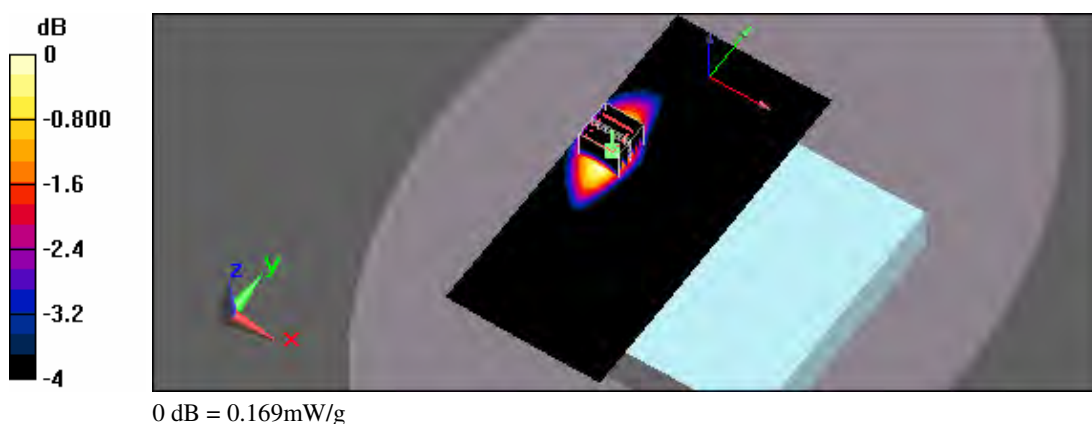
Communication System: WCDMA Band V; Frequency: 836.6 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 837$ MHz; $\sigma = 0.972$ mho/m; $\epsilon_r = 54.5$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV3 - SN3519; ConvF(10.36, 10.36, 10.36); Calibrated: 2/21/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 1/23/2012
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Flat/Area Scan (81x181x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.173 mW/g

Flat/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 2.42 V/m; Power Drift = -0.00397 dB
Peak SAR (extrapolated) = 0.214 W/kg
SAR(1 g) = 0.148 mW/g; SAR(10 g) = 0.101 mW/g
Maximum value of SAR (measured) = 0.169 mW/g



Test Laboratory: A Test Lab Techno Corp.
Date/Time: 3/28/2012 7:54:58 AM

Flat_WCDMA Band V CH4183_Front Surface 0mm_Thick Battery

DUT: Gobi2000; Type: Gobi2000 PCI Express Mini Card; FCC ID: KDZLXE-FX1WW

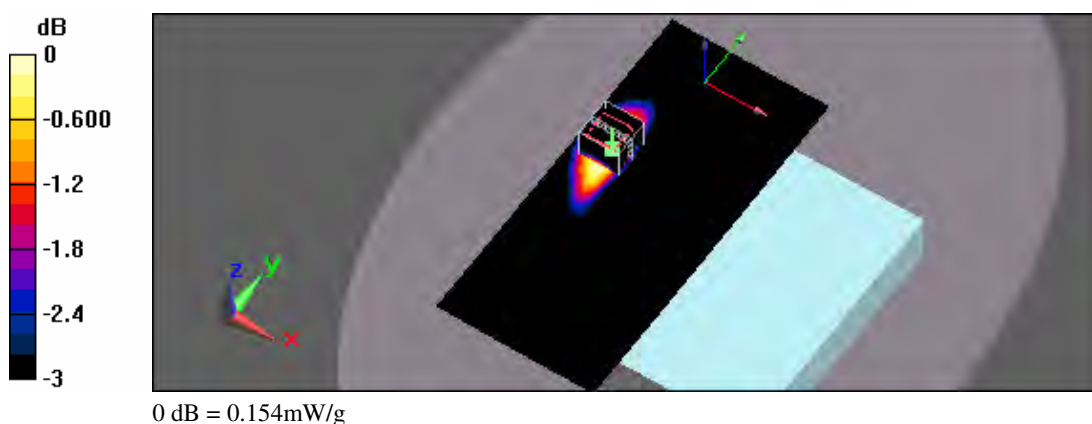
Communication System: WCDMA Band V; Frequency: 836.6 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 837$ MHz; $\sigma = 0.972$ mho/m; $\epsilon_r = 54.5$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV3 - SN3519; ConvF(10.36, 10.36, 10.36); Calibrated: 2/21/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 1/23/2012
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Flat/Area Scan (81x181x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.164 mW/g

Flat/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 2.48 V/m; Power Drift = -0.115 dB
Peak SAR (extrapolated) = 0.192 W/kg
SAR(1 g) = 0.135 mW/g; SAR(10 g) = 0.092 mW/g
Maximum value of SAR (measured) = 0.154 mW/g



Test Laboratory: A Test Lab Techno Corp.
Date/Time: 3/29/2012 6:31:19 AM

Flat_WCDMA Band V CH4183_Front Surface 0mm_Thick Battery_Hand Strap

DUT: Gobi2000; Type: Gobi2000 PCI Express Mini Card; FCC ID: KDZLXE-FX1WW

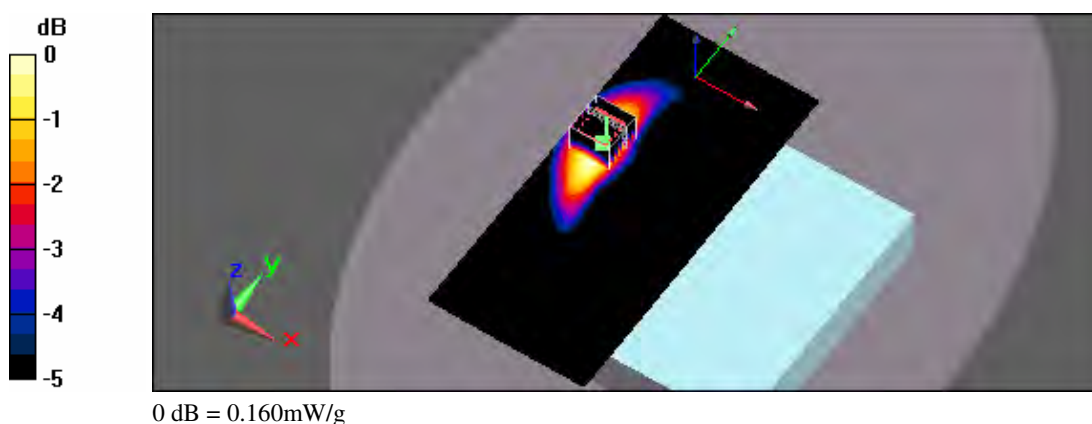
Communication System: WCDMA Band V; Frequency: 836.6 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 837 \text{ MHz}$; $\sigma = 0.972 \text{ mho/m}$; $\epsilon_r = 54.5$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV3 - SN3519; ConvF(10.36, 10.36, 10.36); Calibrated: 2/21/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 1/23/2012
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Flat/Area Scan (81x181x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Maximum value of SAR (interpolated) = 0.166 mW/g

Flat/Zoom Scan (7x7x9)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=3\text{mm}$
Reference Value = 2.37 V/m; Power Drift = 0.022 dB
Peak SAR (extrapolated) = 0.199 W/kg
SAR(1 g) = 0.138 mW/g; SAR(10 g) = 0.094 mW/g
Maximum value of SAR (measured) = 0.160 mW/g



Test Laboratory: A Test Lab Techno Corp.
Date/Time: 3/29/2012 2:58:49 AM

Flat_WCDMA Band V CH4183_Front Surface 0mm_Thick Battery_Shoulder strap

DUT: Gobi2000; Type: Gobi2000 PCI Express Mini Card; FCC ID: KDZLXE-FX1WW

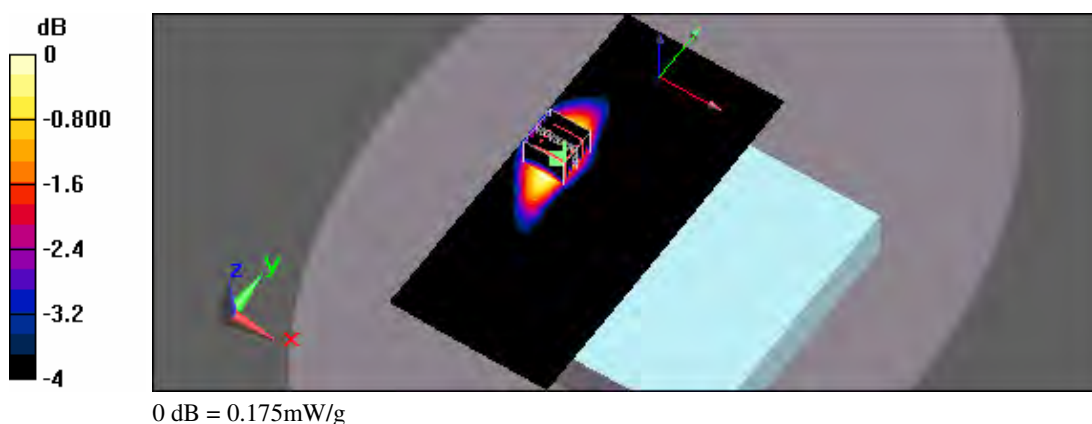
Communication System: WCDMA Band V; Frequency: 836.6 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 837$ MHz; $\sigma = 0.972$ mho/m; $\epsilon_r = 54.5$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV3 - SN3519; ConvF(10.36, 10.36, 10.36); Calibrated: 2/21/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 1/23/2012
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Flat/Area Scan (81x181x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.178 mW/g

Flat/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 2.83 V/m; Power Drift = -0.076 dB
Peak SAR (extrapolated) = 0.223 W/kg
SAR(1 g) = 0.150 mW/g; SAR(10 g) = 0.101 mW/g
Maximum value of SAR (measured) = 0.175 mW/g



Test Laboratory: A Test Lab Techno Corp.
Date/Time: 3/27/2012 4:35:53 PM

Flat_WCDMA Band V CH4132_Back Surface 0mm_Hip pad Battery

DUT: Gobi2000; Type: Gobi2000 PCI Express Mini Card; FCC ID: KDZLXE-FX1WW

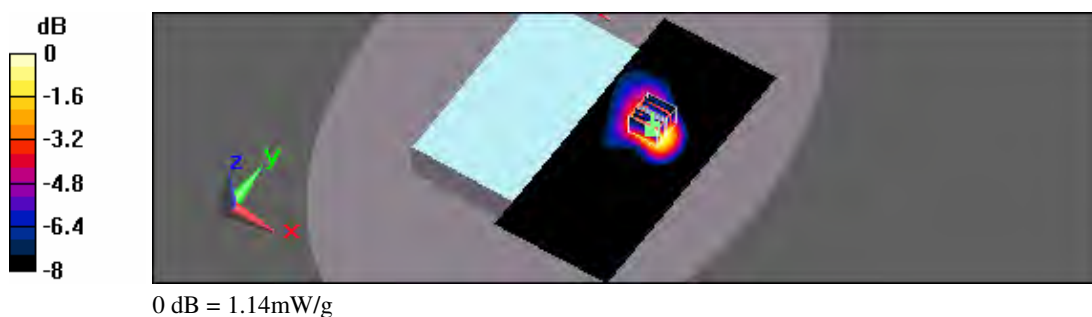
Communication System: WCDMA Band V; Frequency: 826.4 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 826.4$ MHz; $\sigma = 0.961$ mho/m; $\epsilon_r = 54.6$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV3 - SN3519; ConvF(10.36, 10.36, 10.36); Calibrated: 2/21/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 1/23/2012
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Flat/Area Scan (81x181x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.15 mW/g

Flat/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 5.82 V/m; Power Drift = -0.103 dB
Peak SAR (extrapolated) = 1.41 W/kg
SAR(1 g) = 0.983 mW/g; SAR(10 g) = 0.638 mW/g
Maximum value of SAR (measured) = 1.14 mW/g



Test Laboratory: A Test Lab Techno Corp.
Date/Time: 3/27/2012 3:23:14 PM

Flat_WCDMA Band V CH4183_Back Surface 0mm_Hip pad Battery

DUT: Gobi2000; Type: Gobi2000 PCI Express Mini Card; FCC ID: KDZLXE-FX1WW

Communication System: WCDMA Band V; Frequency: 836.6 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 837 \text{ MHz}$; $\sigma = 0.972 \text{ mho/m}$; $\epsilon_r = 54.5$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV3 - SN3519; ConvF(10.36, 10.36, 10.36); Calibrated: 2/21/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 1/23/2012
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Flat/Area Scan (81x181x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Maximum value of SAR (interpolated) = 1.03 mW/g

Flat/Zoom Scan (7x7x9)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=3\text{mm}$
Reference Value = 5.75 V/m; Power Drift = 0.028 dB
Peak SAR (extrapolated) = 1.25 W/kg
SAR(1 g) = 0.877 mW/g; SAR(10 g) = 0.568 mW/g
Maximum value of SAR (measured) = 1.02 mW/g



Test Laboratory: A Test Lab Techno Corp.
Date/Time: 3/27/2012 5:12:58 PM

Flat_WCDMA Band V CH4233_Back Surface 0mm_Hip pad Battery

DUT: Gobi2000; Type: Gobi2000 PCI Express Mini Card; FCC ID: KDZLXE-FX1WW

Communication System: WCDMA Band V; Frequency: 846.6 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 847$ MHz; $\sigma = 0.984$ mho/m; $\epsilon_r = 54.4$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV3 - SN3519; ConvF(10.36, 10.36, 10.36); Calibrated: 2/21/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 1/23/2012
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Flat/Area Scan (81x181x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.942 mW/g

Flat/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 5.53 V/m; Power Drift = -0.088 dB
Peak SAR (extrapolated) = 1.14 W/kg
SAR(1 g) = 0.803 mW/g; SAR(10 g) = 0.519 mW/g
Maximum value of SAR (measured) = 0.935 mW/g



Test Laboratory: A Test Lab Techno Corp.
Date/Time: 3/29/2012 5:11:45 AM

Flat_WCDMA Band V CH4132_Back Surface 0mm_Hip pad Battery_Hand Strap

DUT: Gobi2000; Type: Gobi2000 PCI Express Mini Card; FCC ID: KDZLXE-FX1WW

Communication System: WCDMA Band V; Frequency: 826.4 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 826.4$ MHz; $\sigma = 0.961$ mho/m; $\epsilon_r = 54.6$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV3 - SN3519; ConvF(10.36, 10.36, 10.36); Calibrated: 2/21/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 1/23/2012
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Flat/Area Scan (81x181x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.1 mW/g

Flat/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 5.84 V/m; Power Drift = -0.075 dB
Peak SAR (extrapolated) = 1.34 W/kg
SAR(1 g) = 0.928 mW/g; SAR(10 g) = 0.603 mW/g
Maximum value of SAR (measured) = 1.08 mW/g



Test Laboratory: A Test Lab Techno Corp.
Date/Time: 3/29/2012 4:28:42 AM

Flat_WCDMA Band V CH4183_Back Surface 0mm_Hip pad Battery_Hand Strap

DUT: Gobi2000; Type: Gobi2000 PCI Express Mini Card; FCC ID: KDZLXE-FX1WW

Communication System: WCDMA Band V; Frequency: 836.6 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 837 \text{ MHz}$; $\sigma = 0.972 \text{ mho/m}$; $\epsilon_r = 54.5$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV3 - SN3519; ConvF(10.36, 10.36, 10.36); Calibrated: 2/21/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 1/23/2012
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Flat/Area Scan (81x181x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Maximum value of SAR (interpolated) = 1.07 mW/g

Flat/Zoom Scan (7x7x9)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=3\text{mm}$
Reference Value = 5.76 V/m; Power Drift = -0.041 dB
Peak SAR (extrapolated) = 1.3 W/kg
SAR(1 g) = 0.901 mW/g; SAR(10 g) = 0.584 mW/g
Maximum value of SAR (measured) = 1.05 mW/g



Test Laboratory: A Test Lab Techno Corp.
Date/Time: 3/29/2012 5:47:18 AM

Flat_WCDMA Band V CH4233_Back Surface 0mm_Hip pad Battery_Hand Strap

DUT: Gobi2000; Type: Gobi2000 PCI Express Mini Card; FCC ID: KDZLXE-FX1WW

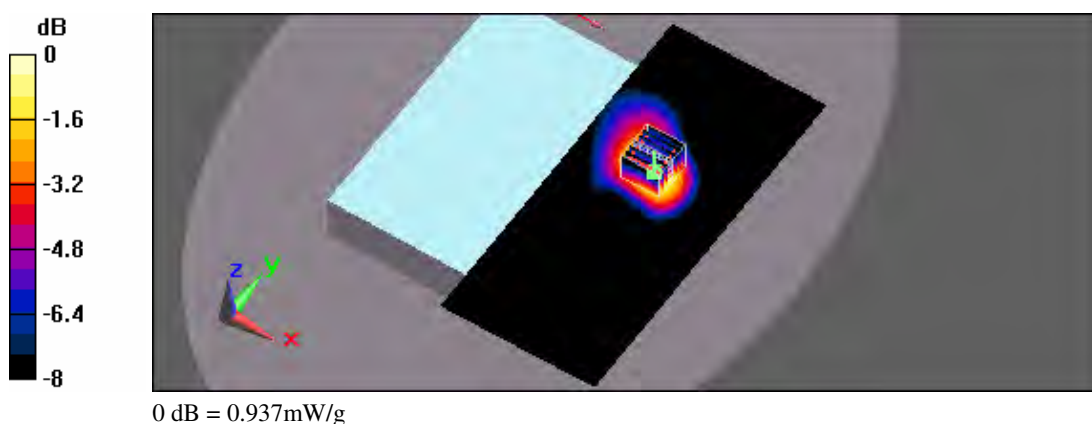
Communication System: WCDMA Band V; Frequency: 846.6 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 847$ MHz; $\sigma = 0.984$ mho/m; $\epsilon_r = 54.4$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV3 - SN3519; ConvF(10.36, 10.36, 10.36); Calibrated: 2/21/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 1/23/2012
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Flat/Area Scan (81x181x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.948 mW/g

Flat/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 6 V/m; Power Drift = -0.159 dB
Peak SAR (extrapolated) = 1.15 W/kg
SAR(1 g) = 0.799 mW/g; SAR(10 g) = 0.519 mW/g
Maximum value of SAR (measured) = 0.937 mW/g



Test Laboratory: A Test Lab Techno Corp.
Date/Time: 3/29/2012 3:43:02 AM

Flat_WCDMA Band V CH4183_Back Surface 0mm_Hip pad Battery_Shoulder strap

DUT: Gobi2000; Type: Gobi2000 PCI Express Mini Card; FCC ID: KDZLXE-FX1WW

Communication System: WCDMA Band V; Frequency: 836.6 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 837$ MHz; $\sigma = 0.972$ mho/m; $\epsilon_r = 54.5$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV3 - SN3519; ConvF(10.36, 10.36, 10.36); Calibrated: 2/21/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 1/23/2012
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Flat/Area Scan (81x181x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.901 mW/g

Flat/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 8.73 V/m; Power Drift = 0.036 dB
Peak SAR (extrapolated) = 1.09 W/kg
SAR(1 g) = 0.758 mW/g; SAR(10 g) = 0.491 mW/g
Maximum value of SAR (measured) = 0.886 mW/g



Test Laboratory: A Test Lab Techno Corp.
Date/Time: 3/28/2012 4:27:45 AM

Flat_WCDMA Band V CH4132_Back Surface 0mm_Thick Battery

DUT: Gobi2000; Type: Gobi2000 PCI Express Mini Card; FCC ID: KDZLXE-FX1WW

Communication System: WCDMA Band V; Frequency: 826.4 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 826.4$ MHz; $\sigma = 0.961$ mho/m; $\epsilon_r = 54.6$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV3 - SN3519; ConvF(10.36, 10.36, 10.36); Calibrated: 2/21/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 1/23/2012
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Flat/Area Scan (81x181x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.36 mW/g

Flat/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 7.23 V/m; Power Drift = -0.054 dB
Peak SAR (extrapolated) = 1.61 W/kg
SAR(1 g) = 1.14 mW/g; SAR(10 g) = 0.756 mW/g
Maximum value of SAR (measured) = 1.33 mW/g



Test Laboratory: A Test Lab Techno Corp.
Date/Time: 3/28/2012 12:16:43 AM

Flat_WCDMA Band V CH4183_Back Surface 0mm_Thick Battery

DUT: Gobi2000; Type: Gobi2000 PCI Express Mini Card; FCC ID: KDZLXE-FX1WW

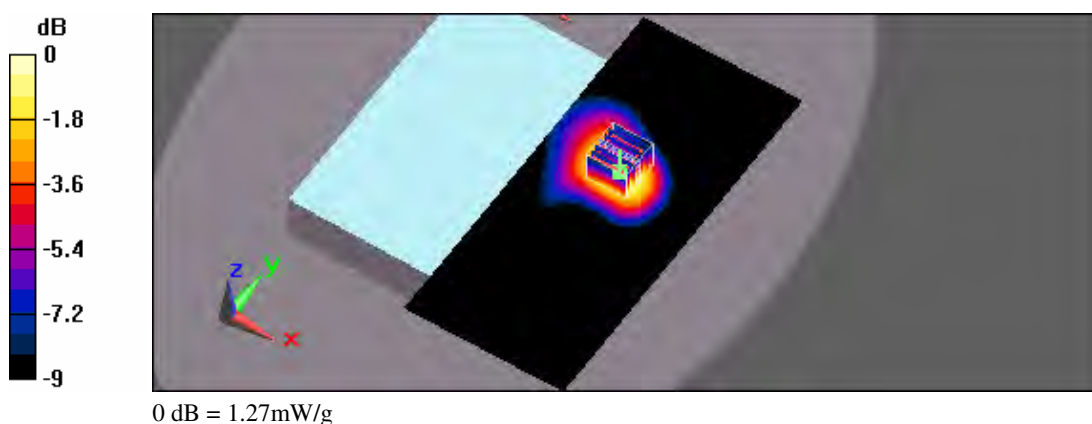
Communication System: WCDMA Band V; Frequency: 836.6 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 837$ MHz; $\sigma = 0.972$ mho/m; $\epsilon_r = 54.5$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV3 - SN3519; ConvF(10.36, 10.36, 10.36); Calibrated: 2/21/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 1/23/2012
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Flat/Area Scan (81x181x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.28 mW/g

Flat/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 7.91 V/m; Power Drift = -0.017 dB
Peak SAR (extrapolated) = 1.55 W/kg
SAR(1 g) = 1.09 mW/g; SAR(10 g) = 0.715 mW/g
Maximum value of SAR (measured) = 1.27 mW/g



Test Laboratory: A Test Lab Techno Corp.
Date/Time: 3/27/2012 11:35:51 PM

Flat_WCDMA Band V CH4233_Back Surface 0mm_Thick Battery

DUT: Gobi2000; Type: Gobi2000 PCI Express Mini Card; FCC ID: KDZLXE-FX1WW

Communication System: WCDMA Band V; Frequency: 846.6 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 847$ MHz; $\sigma = 0.984$ mho/m; $\epsilon_r = 54.4$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV3 - SN3519; ConvF(10.36, 10.36, 10.36); Calibrated: 2/21/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 1/23/2012
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Flat/Area Scan (81x181x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.19 mW/g

Flat/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 8.01 V/m; Power Drift = -0.033 dB
Peak SAR (extrapolated) = 1.43 W/kg
SAR(1 g) = 1.01 mW/g; SAR(10 g) = 0.659 mW/g
Maximum value of SAR (measured) = 1.17 mW/g



Test Laboratory: A Test Lab Techno Corp.
Date/Time: 3/27/2012 10:09:36 PM

Flat_WCDMA Band V CH4132_Back Surface 0mm_Thick Battery_Hand Strap

DUT: Gobi2000; Type: Gobi2000 PCI Express Mini Card; FCC ID: KDZLXE-FX1WW

Communication System: WCDMA Band V; Frequency: 826.4 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 826.4$ MHz; $\sigma = 0.961$ mho/m; $\epsilon_r = 54.6$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV3 - SN3519; ConvF(10.36, 10.36, 10.36); Calibrated: 2/21/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 1/23/2012
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Flat/Area Scan (81x181x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.38 mW/g

Flat/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 7.3 V/m; Power Drift = 0.018 dB
Peak SAR (extrapolated) = 1.66 W/kg
SAR(1 g) = 1.18 mW/g; SAR(10 g) = 0.780 mW/g
Maximum value of SAR (measured) = 1.36 mW/g



Test Laboratory: A Test Lab Techno Corp.
Date/Time: 3/27/2012 9:09:51 PM

Flat_WCDMA Band V CH4183_Back Surface 0mm_Thick Battery_Hand Strap

DUT: Gobi2000; Type: Gobi2000 PCI Express Mini Card; FCC ID: KDZLXE-FX1WW

Communication System: WCDMA Band V; Frequency: 836.6 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 837 \text{ MHz}$; $\sigma = 0.972 \text{ mho/m}$; $\epsilon_r = 54.5$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV3 - SN3519; ConvF(10.36, 10.36, 10.36); Calibrated: 2/21/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 1/23/2012
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Flat/Area Scan (81x181x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Maximum value of SAR (interpolated) = 1.31 mW/g

Flat/Zoom Scan (7x7x9)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=3\text{mm}$
Reference Value = 7.14 V/m; Power Drift = -0.113 dB
Peak SAR (extrapolated) = 1.58 W/kg
SAR(1 g) = 1.11 mW/g; SAR(10 g) = 0.731 mW/g
Maximum value of SAR (measured) = 1.29 mW/g



Test Laboratory: A Test Lab Techno Corp.
Date/Time: 3/27/2012 10:54:29 PM

Flat_WCDMA Band V CH4233_Back Surface 0mm_Thick Battery_Hand Strap

DUT: Gobi2000; Type: Gobi2000 PCI Express Mini Card; FCC ID: KDZLXE-FX1WW

Communication System: WCDMA Band V; Frequency: 846.6 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 847$ MHz; $\sigma = 0.984$ mho/m; $\epsilon_r = 54.4$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV3 - SN3519; ConvF(10.36, 10.36, 10.36); Calibrated: 2/21/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 1/23/2012
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Flat/Area Scan (81x181x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.18 mW/g

Flat/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 8.13 V/m; Power Drift = -0.032 dB
Peak SAR (extrapolated) = 1.42 W/kg
SAR(1 g) = 1 mW/g; SAR(10 g) = 0.656 mW/g
Maximum value of SAR (measured) = 1.16 mW/g



Test Laboratory: A Test Lab Techno Corp.
Date/Time: 3/28/2012 5:11:14 AM

Flat_WCDMA Band V CH4132_Back Surface 0mm_Thick Battery_Shoulder strap

DUT: Gobi2000; Type: Gobi2000 PCI Express Mini Card; FCC ID: KDZLXE-FX1WW

Communication System: WCDMA Band V; Frequency: 826.4 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 826.4$ MHz; $\sigma = 0.961$ mho/m; $\epsilon_r = 54.6$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV3 - SN3519; ConvF(10.36, 10.36, 10.36); Calibrated: 2/21/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 1/23/2012
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Flat/Area Scan (81x181x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.35 mW/g

Flat/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 10.1 V/m; Power Drift = -0.028 dB
Peak SAR (extrapolated) = 1.65 W/kg
SAR(1 g) = 1.17 mW/g; SAR(10 g) = 0.768 mW/g
Maximum value of SAR (measured) = 1.36 mW/g



Test Laboratory: A Test Lab Techno Corp.
Date/Time: 3/28/2012 5:48:06 AM

Flat_WCDMA Band V CH4183_Back Surface 0mm_Thick Battery_Shoulder strap

DUT: Gobi2000; Type: Gobi2000 PCI Express Mini Card; FCC ID: KDZLXE-FX1WW

Communication System: WCDMA Band V; Frequency: 836.6 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 837$ MHz; $\sigma = 0.972$ mho/m; $\epsilon_r = 54.5$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV3 - SN3519; ConvF(10.36, 10.36, 10.36); Calibrated: 2/21/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 1/23/2012
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Flat/Area Scan (81x181x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.26 mW/g

Flat/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 10.3 V/m; Power Drift = -0.030 dB
Peak SAR (extrapolated) = 1.51 W/kg
SAR(1 g) = 1.06 mW/g; SAR(10 g) = 0.696 mW/g
Maximum value of SAR (measured) = 1.23 mW/g



Test Laboratory: A Test Lab Techno Corp.
Date/Time: 3/28/2012 6:24:28 AM

Flat_WCDMA Band V CH4233_Back Surface 0mm_Thick Battery_Shoulder strap

DUT: Gobi2000; Type: Gobi2000 PCI Express Mini Card; FCC ID: KDZLXE-FX1WW

Communication System: WCDMA Band V; Frequency: 846.6 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 847$ MHz; $\sigma = 0.984$ mho/m; $\epsilon_r = 54.4$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV3 - SN3519; ConvF(10.36, 10.36, 10.36); Calibrated: 2/21/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 1/23/2012
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Flat/Area Scan (81x181x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.19 mW/g

Flat/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 10.2 V/m; Power Drift = -0.062 dB
Peak SAR (extrapolated) = 1.43 W/kg
SAR(1 g) = 1.01 mW/g; SAR(10 g) = 0.663 mW/g
Maximum value of SAR (measured) = 1.17 mW/g



Test Laboratory: A Test Lab Techno Corp.
Date/Time: 3/26/2012 9:26:47 PM

Flat_CDMA Cell CH384_RC3 SO55_Front Surface 0mm_Hip pad Battery

DUT: Gobi2000; Type: Gobi2000 PCI Express Mini Card; FCC ID: KDZLXE-FX1WW

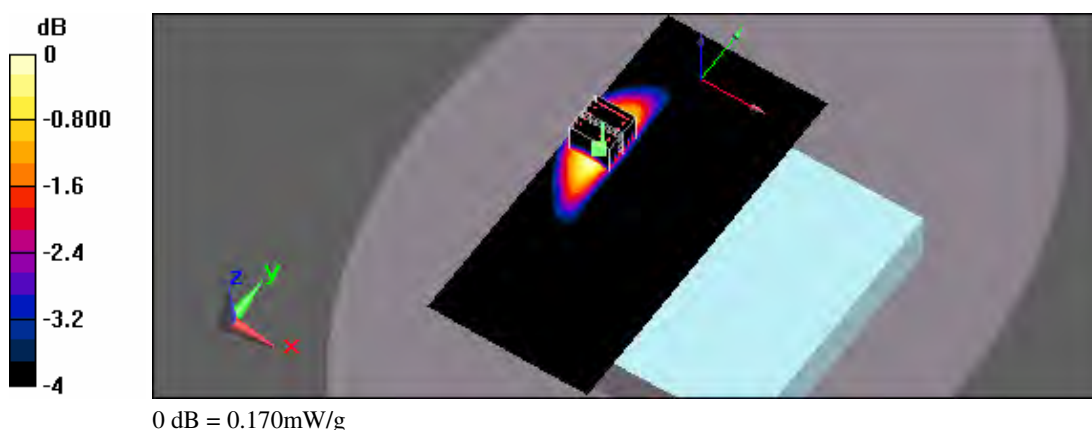
Communication System: CDMA Cellular ; Frequency: 836.52 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 837$ MHz; $\sigma = 0.972$ mho/m; $\epsilon_r = 54.5$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV3 - SN3519; ConvF(10.36, 10.36, 10.36); Calibrated: 2/21/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 1/23/2012
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Flat/Area Scan (81x181x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.171 mW/g

Flat/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 2.31 V/m; Power Drift = -0.170 dB
Peak SAR (extrapolated) = 0.210 W/kg
SAR(1 g) = 0.147 mW/g; SAR(10 g) = 0.101 mW/g
Maximum value of SAR (measured) = 0.170 mW/g



Test Laboratory: A Test Lab Techno Corp.
Date/Time: 3/27/2012 1:49:47 AM

Flat_CDMA Cell CH384_RC3 SO55_Front Surface 0mm_Hip pad Battery_Hand Strap

DUT: Gobi2000; Type: Gobi2000 PCI Express Mini Card; FCC ID: KDZLXE-FX1WW

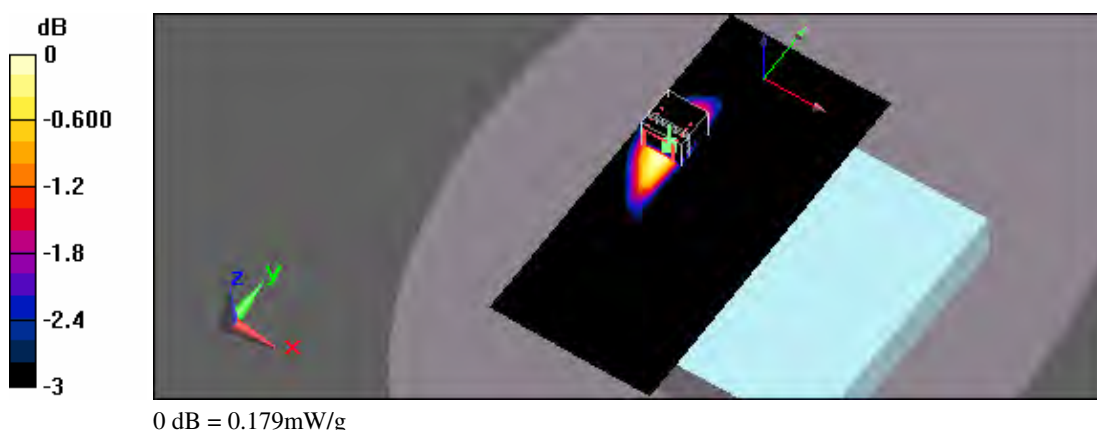
Communication System: CDMA Cellular ; Frequency: 836.52 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 837$ MHz; $\sigma = 0.972$ mho/m; $\epsilon_r = 54.5$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV3 - SN3519; ConvF(10.36, 10.36, 10.36); Calibrated: 2/21/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 1/23/2012
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Flat/Area Scan (81x181x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.182 mW/g

Flat/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 2.27 V/m; Power Drift = -0.150 dB
Peak SAR (extrapolated) = 0.223 W/kg
SAR(1 g) = 0.154 mW/g; SAR(10 g) = 0.105 mW/g
Maximum value of SAR (measured) = 0.179 mW/g



Test Laboratory: A Test Lab Techno Corp.
Date/Time: 3/27/2012 2:35:15 AM

Flat_CDMA Cell CH384_RC3 SO55_Front Surface 0mm_Hip pad Battery_Shoulder strap

DUT: Gobi2000; Type: Gobi2000 PCI Express Mini Card; FCC ID: KDZLXE-FX1WW

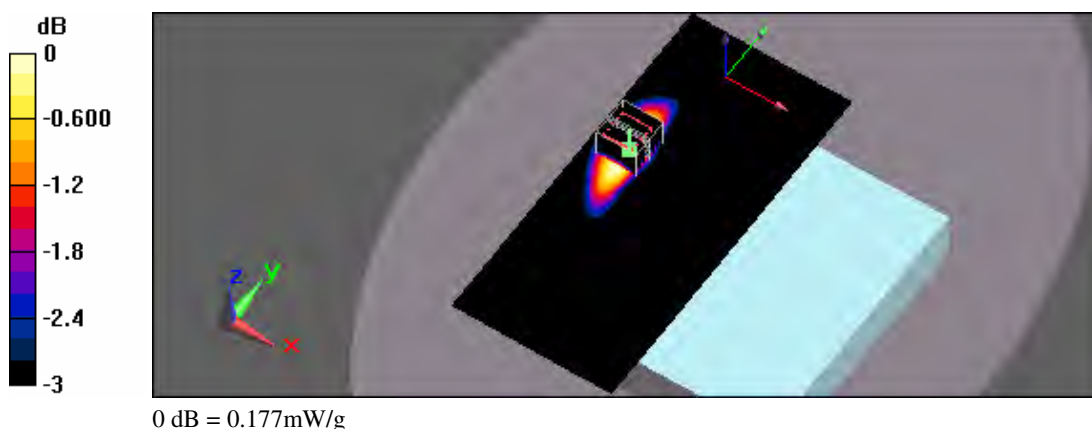
Communication System: CDMA Cellular ; Frequency: 836.52 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 837$ MHz; $\sigma = 0.972$ mho/m; $\epsilon_r = 54.5$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV3 - SN3519; ConvF(10.36, 10.36, 10.36); Calibrated: 2/21/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 1/23/2012
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Flat/Area Scan (81x181x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.187 mW/g

Flat/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 2.01 V/m; Power Drift = 0.103 dB
Peak SAR (extrapolated) = 0.228 W/kg
SAR(1 g) = 0.153 mW/g; SAR(10 g) = 0.103 mW/g
Maximum value of SAR (measured) = 0.177 mW/g



Test Laboratory: A Test Lab Techno Corp.
Date/Time: 3/26/2012 8:40:31 PM

Flat_CDMA Cell CH384_RC3 SO55_Front Surface 0mm_Thick Battery

DUT: Gobi2000; Type: Gobi2000 PCI Express Mini Card; FCC ID: KDZLXE-FX1WW

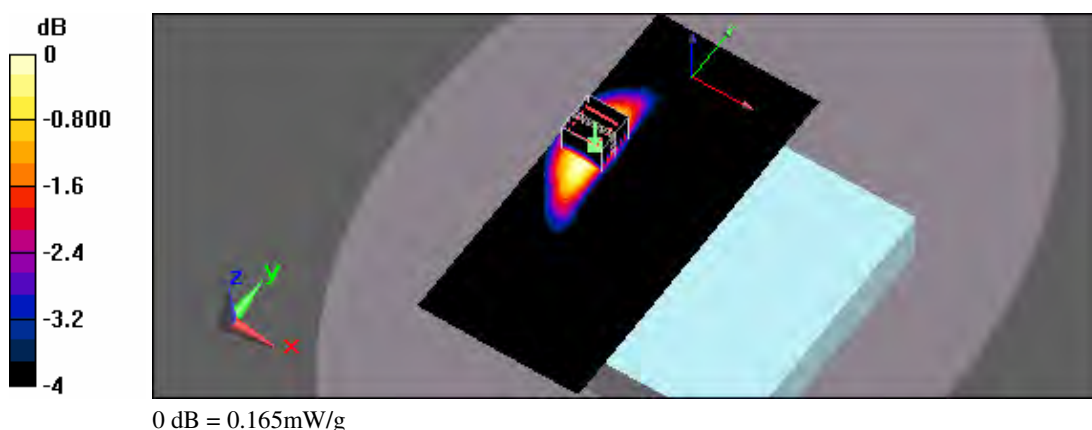
Communication System: CDMA Cellular ; Frequency: 836.52 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 837$ MHz; $\sigma = 0.972$ mho/m; $\epsilon_r = 54.5$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV3 - SN3519; ConvF(10.36, 10.36, 10.36); Calibrated: 2/21/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 1/23/2012
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Flat/Area Scan (81x181x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.173 mW/g

Flat/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 2.52 V/m; Power Drift = -0.021 dB
Peak SAR (extrapolated) = 0.205 W/kg
SAR(1 g) = 0.142 mW/g; SAR(10 g) = 0.097 mW/g
Maximum value of SAR (measured) = 0.165 mW/g



Test Laboratory: A Test Lab Techno Corp.
Date/Time: 3/28/2012 11:43:40 PM

Flat_CDMA Cell CH384_RC3 SO55_Front Surface 0mm_Thick Battery_Hand Strap

DUT: Gobi2000; Type: Gobi2000 PCI Express Mini Card; FCC ID: KDZLXE-FX1WW

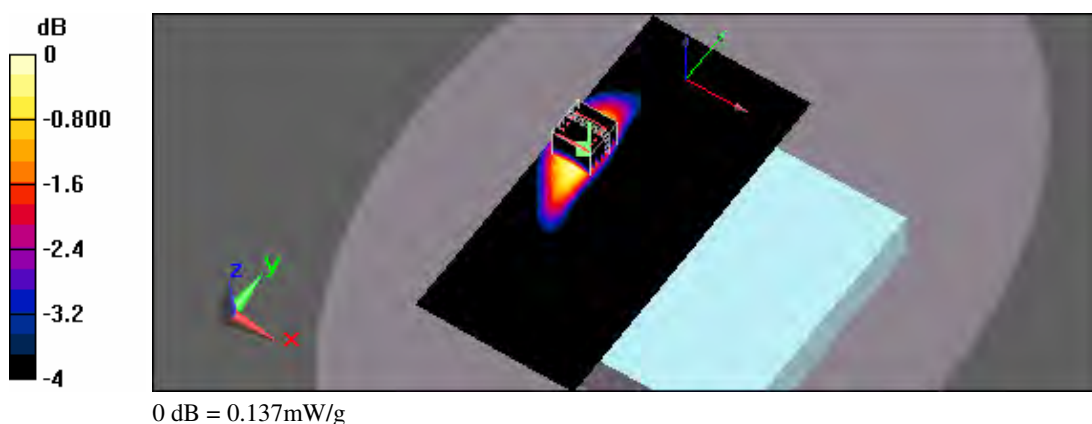
Communication System: CDMA Cellular ; Frequency: 836.52 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 837$ MHz; $\sigma = 0.972$ mho/m; $\epsilon_r = 54.5$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV3 - SN3519; ConvF(10.36, 10.36, 10.36); Calibrated: 2/21/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 1/23/2012
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Flat/Area Scan (81x181x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.139 mW/g

Flat/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 2.36 V/m; Power Drift = 0.164 dB
Peak SAR (extrapolated) = 0.177 W/kg
SAR(1 g) = 0.119 mW/g; SAR(10 g) = 0.081 mW/g
Maximum value of SAR (measured) = 0.137 mW/g



Test Laboratory: A Test Lab Techno Corp.
Date/Time: 3/29/2012 2:10:27 AM

Flat_CDMA Cell CH384_RC3 SO55_Front Surface 0mm_Thick Battery_Shoulder strap

DUT: Gobi2000; Type: Gobi2000 PCI Express Mini Card; FCC ID: KDZLXE-FX1WW

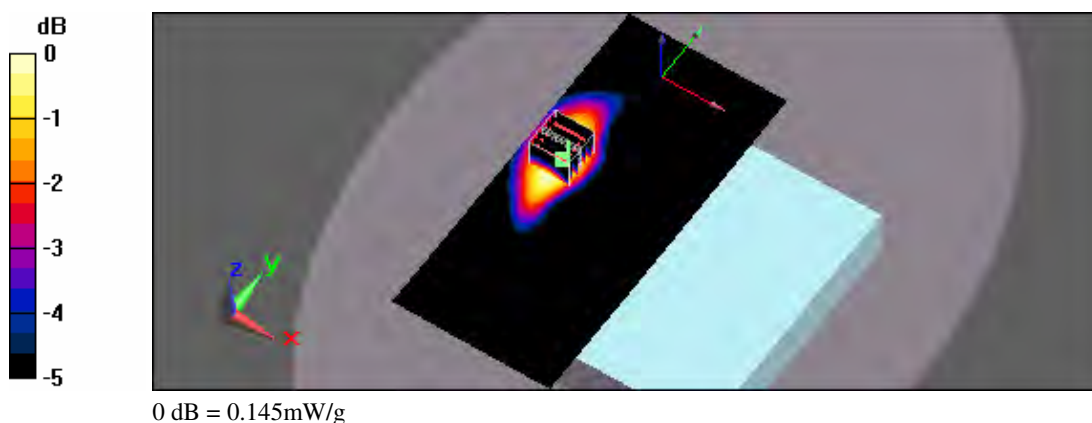
Communication System: CDMA Cellular ; Frequency: 836.52 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 837$ MHz; $\sigma = 0.972$ mho/m; $\epsilon_r = 54.5$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV3 - SN3519; ConvF(10.36, 10.36, 10.36); Calibrated: 2/21/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 1/23/2012
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Flat/Area Scan (81x181x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.153 mW/g

Flat/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 1.93 V/m; Power Drift = 0.103 dB
Peak SAR (extrapolated) = 0.193 W/kg
SAR(1 g) = 0.126 mW/g; SAR(10 g) = 0.085 mW/g
Maximum value of SAR (measured) = 0.145 mW/g



Test Laboratory: A Test Lab Techno Corp.
Date/Time: 3/26/2012 12:35:57 PM

Flat_CDMA Cell CH1013_RC3 SO55_Back Surface 0mm_Hip pad Battery

DUT: Gobi2000; Type: Gobi2000 PCI Express Mini Card; FCC ID: KDZLXE-FX1WW

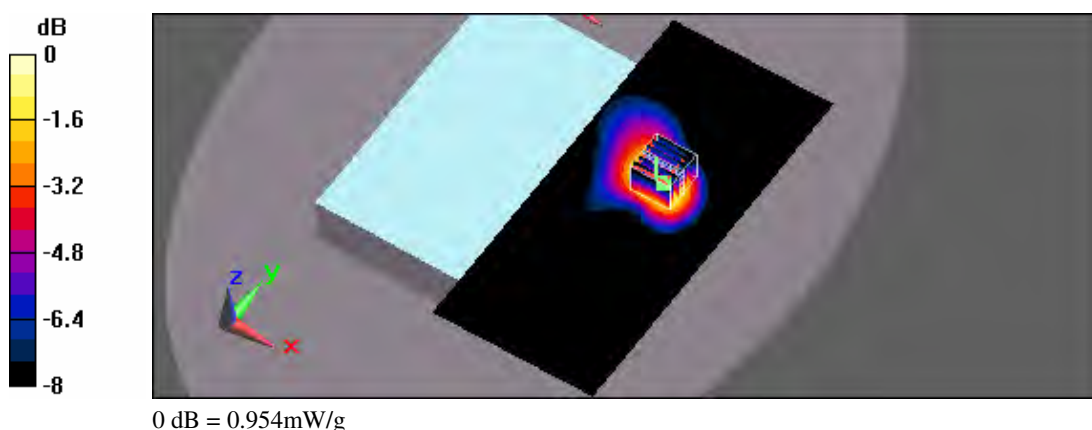
Communication System: CDMA Cellular ; Frequency: 824.7 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 825$ MHz; $\sigma = 0.959$ mho/m; $\epsilon_r = 54.6$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV3 - SN3519; ConvF(10.36, 10.36, 10.36); Calibrated: 2/21/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 1/23/2012
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Flat/Area Scan (81x181x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.944 mW/g

Flat/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 5.29 V/m; Power Drift = -0.143 dB
Peak SAR (extrapolated) = 1.16 W/kg
SAR(1 g) = 0.824 mW/g; SAR(10 g) = 0.540 mW/g
Maximum value of SAR (measured) = 0.954 mW/g



Test Laboratory: A Test Lab Techno Corp.
Date/Time: 3/26/2012 10:51:57 AM

Flat_CDMA Cell CH384_RC3 SO55_Back Surface 0mm_Hip pad Battery

DUT: Gobi2000; Type: Gobi2000 PCI Express Mini Card; FCC ID: KDZLXE-FX1WW

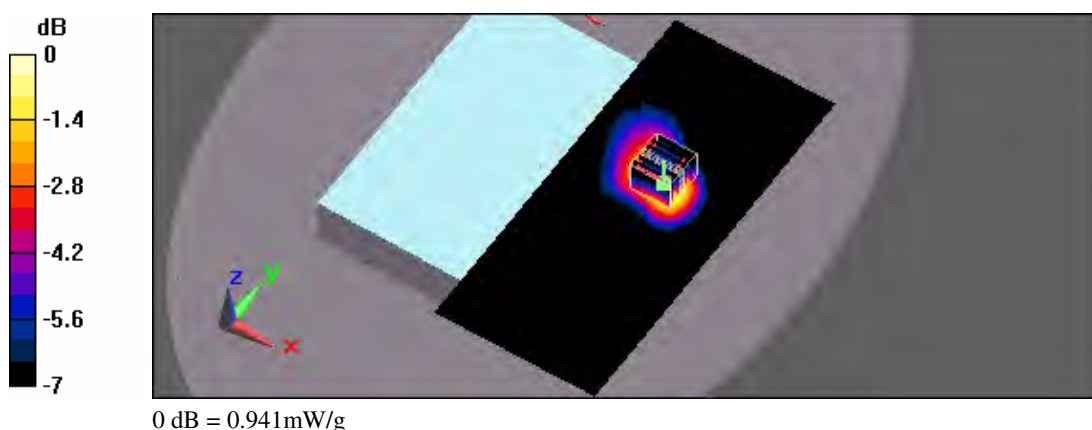
Communication System: CDMA Cellular ; Frequency: 836.52 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 837$ MHz; $\sigma = 0.972$ mho/m; $\epsilon_r = 54.5$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV3 - SN3519; ConvF(10.36, 10.36, 10.36); Calibrated: 2/21/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 1/23/2012
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Flat/Area Scan (81x181x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1 mW/g

Flat/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 5.19 V/m; Power Drift = 0.120 dB
Peak SAR (extrapolated) = 1.18 W/kg
SAR(1 g) = 0.806 mW/g; SAR(10 g) = 0.526 mW/g
Maximum value of SAR (measured) = 0.941 mW/g



Test Laboratory: A Test Lab Techno Corp.
Date/Time: 3/26/2012 1:17:06 PM

Flat_CDMA Cell CH777_RC3 SO55_Back Surface 0mm_Hip pad Battery

DUT: Gobi2000; Type: Gobi2000 PCI Express Mini Card; FCC ID: KDZLXE-FX1WW

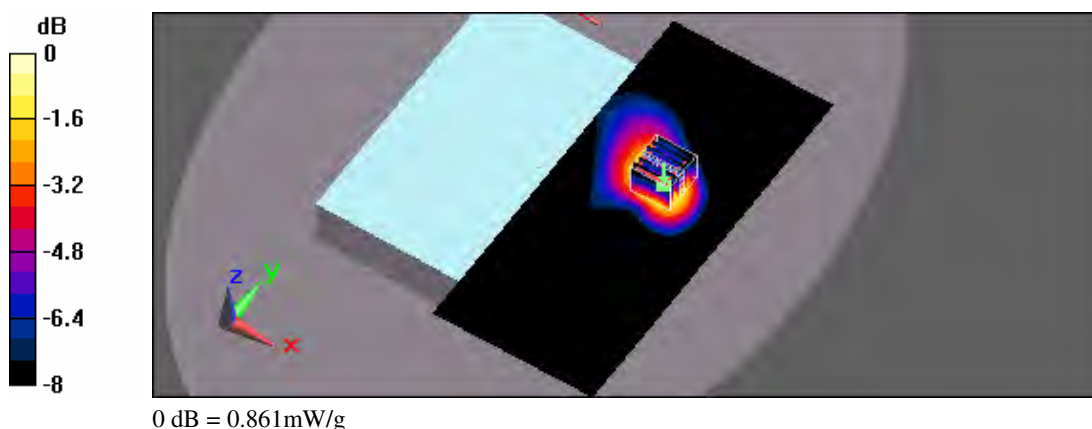
Communication System: CDMA Cellular ; Frequency: 848.31 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 848.31$ MHz; $\sigma = 0.985$ mho/m; $\epsilon_r = 54.4$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV3 - SN3519; ConvF(10.36, 10.36, 10.36); Calibrated: 2/21/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 1/23/2012
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Flat/Area Scan (81x181x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.864 mW/g

Flat/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 5.46 V/m; Power Drift = -0.039 dB
Peak SAR (extrapolated) = 1.06 W/kg
SAR(1 g) = 0.740 mW/g; SAR(10 g) = 0.481 mW/g
Maximum value of SAR (measured) = 0.861 mW/g



Test Laboratory: A Test Lab Techno Corp.
Date/Time: 3/29/2012 12:44:21 AM

Flat_CDMA Cell CH384_RC3 SO55_Back Surface 0mm_Hip pad Battery_Hand Strap

DUT: Gobi2000; Type: Gobi2000 PCI Express Mini Card; FCC ID: KDZLXE-FX1WW

Communication System: CDMA Cellular ; Frequency: 836.52 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 837$ MHz; $\sigma = 0.972$ mho/m; $\epsilon_r = 54.5$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV3 - SN3519; ConvF(10.36, 10.36, 10.36); Calibrated: 2/21/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 1/23/2012
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Flat/Area Scan (81x181x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.864 mW/g

Flat/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 5.08 V/m; Power Drift = -0.056 dB
Peak SAR (extrapolated) = 1.05 W/kg
SAR(1 g) = 0.725 mW/g; SAR(10 g) = 0.472 mW/g
Maximum value of SAR (measured) = 0.842 mW/g



Test Laboratory: A Test Lab Techno Corp.
Date/Time: 3/29/2012 1:27:38 AM

Flat_CDMA Cell CH384_RC3 SO55_Back Surface 0mm_Hip pad Battery_Shoulder strap

DUT: Gobi2000; Type: Gobi2000 PCI Express Mini Card; FCC ID: KDZLXE-FX1WW

Communication System: CDMA Cellular ; Frequency: 836.52 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 837$ MHz; $\sigma = 0.972$ mho/m; $\epsilon_r = 54.5$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV3 - SN3519; ConvF(10.36, 10.36, 10.36); Calibrated: 2/21/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 1/23/2012
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Flat/Area Scan (81x181x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.795 mW/g

Flat/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 7.48 V/m; Power Drift = -0.169 dB
Peak SAR (extrapolated) = 0.929 W/kg
SAR(1 g) = 0.660 mW/g; SAR(10 g) = 0.430 mW/g
Maximum value of SAR (measured) = 0.772 mW/g



Test Laboratory: A Test Lab Techno Corp.
Date/Time: 3/26/2012 3:03:25 PM

Flat_CDMA Cell CH1013_RC3 SO55_Back Surface 0mm_Thick Battery

DUT: Gobi2000; Type: Gobi2000 PCI Express Mini Card; FCC ID: KDZLXE-FX1WW

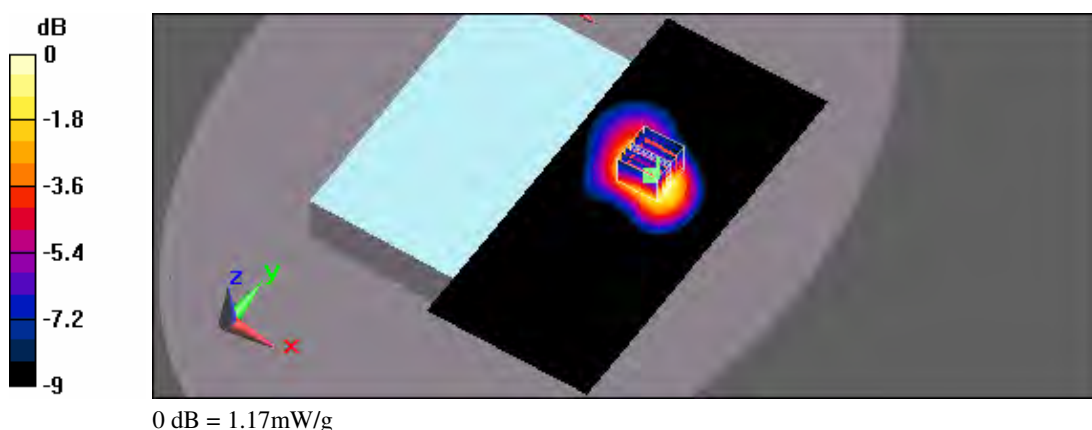
Communication System: CDMA Cellular ; Frequency: 824.7 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 825 \text{ MHz}$; $\sigma = 0.959 \text{ mho/m}$; $\epsilon_r = 54.6$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV3 - SN3519; ConvF(10.36, 10.36, 10.36); Calibrated: 2/21/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 1/23/2012
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Flat/Area Scan (81x181x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Maximum value of SAR (interpolated) = 1.17 mW/g

Flat/Zoom Scan (7x7x9)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=3\text{mm}$
Reference Value = 4.94 V/m; Power Drift = -0.080 dB
Peak SAR (extrapolated) = 1.46 W/kg
SAR(1 g) = 1 mW/g; SAR(10 g) = 0.655 mW/g
Maximum value of SAR (measured) = 1.17 mW/g



Test Laboratory: A Test Lab Techno Corp.
Date/Time: 3/26/2012 2:18:43 PM

Flat_CDMA Cell CH384_RC3 SO55_Back Surface 0mm_Thick Battery

DUT: Gobi2000; Type: Gobi2000 PCI Express Mini Card; FCC ID: KDZLXE-FX1WW

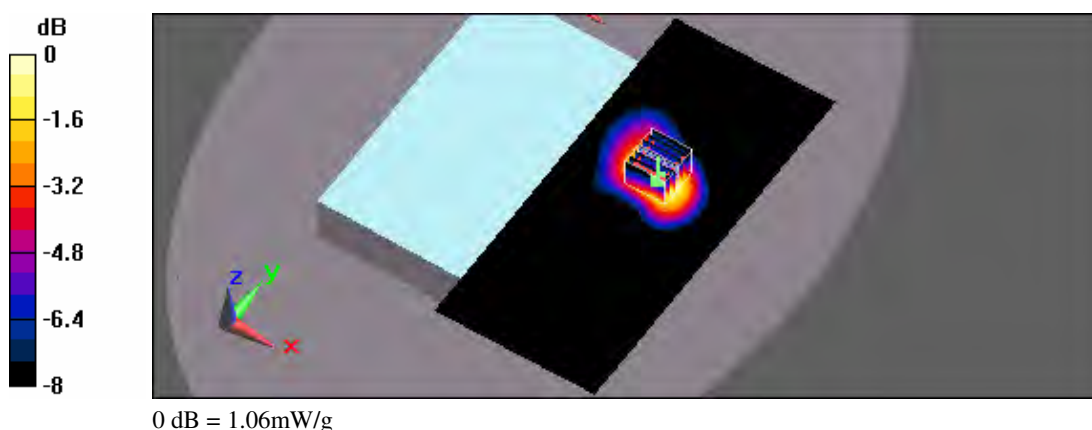
Communication System: CDMA Cellular ; Frequency: 836.52 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 837$ MHz; $\sigma = 0.972$ mho/m; $\epsilon_r = 54.5$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV3 - SN3519; ConvF(10.36, 10.36, 10.36); Calibrated: 2/21/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 1/23/2012
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Flat/Area Scan (81x181x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.07 mW/g

Flat/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 4.99 V/m; Power Drift = 0.054 dB
Peak SAR (extrapolated) = 1.33 W/kg
SAR(1 g) = 0.914 mW/g; SAR(10 g) = 0.592 mW/g
Maximum value of SAR (measured) = 1.06 mW/g



Test Laboratory: A Test Lab Techno Corp.
Date/Time: 3/26/2012 7:55:11 PM

Flat_CDMA Cell CH777_RC3 SO55_Back Surface 0mm_Thick Battery

DUT: Gobi2000; Type: Gobi2000 PCI Express Mini Card; FCC ID: KDZLXE-FX1WW

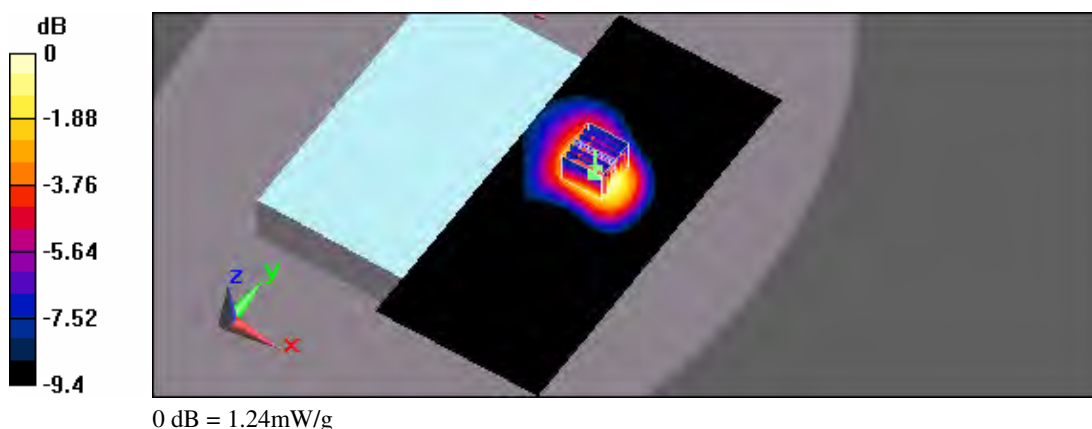
Communication System: CDMA Cellular ; Frequency: 848.31 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 848.31$ MHz; $\sigma = 0.985$ mho/m; $\epsilon_r = 54.4$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV3 - SN3519; ConvF(10.36, 10.36, 10.36); Calibrated: 2/21/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 1/23/2012
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Flat/Area Scan (81x181x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.17 mW/g

Flat/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 6.9 V/m; Power Drift = 0.134 dB
Peak SAR (extrapolated) = 1.51 W/kg
SAR(1 g) = 1.05 mW/g; SAR(10 g) = 0.690 mW/g
Maximum value of SAR (measured) = 1.24 mW/g



Test Laboratory: A Test Lab Techno Corp.
Date/Time: 3/27/2012 7:49:18 AM

Flat_CDMA Cell CH1013_RC3 SO55_Back Surface 0mm_Thick Battery_Hand Strap

DUT: Gobi2000; Type: Gobi2000 PCI Express Mini Card; FCC ID: KDZLXE-FX1WW

Communication System: CDMA Cellular ; Frequency: 824.7 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 825 \text{ MHz}$; $\sigma = 0.959 \text{ mho/m}$; $\epsilon_r = 54.6$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV3 - SN3519; ConvF(10.36, 10.36, 10.36); Calibrated: 2/21/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 1/23/2012
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Flat/Area Scan (81x181x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Maximum value of SAR (interpolated) = 1.26 mW/g

Flat/Zoom Scan (7x7x9)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=3\text{mm}$
Reference Value = 5.65 V/m; Power Drift = -0.00063 dB
Peak SAR (extrapolated) = 1.56 W/kg
SAR(1 g) = 1.03 mW/g; SAR(10 g) = 0.668 mW/g
Maximum value of SAR (measured) = 1.22 mW/g



Test Laboratory: A Test Lab Techno Corp.
Date/Time: 3/27/2012 5:40:32 AM

Flat_CDMA Cell CH384_RC3 SO55_Back Surface 0mm_Thick Battery_Hand Strap

DUT: Gobi2000; Type: Gobi2000 PCI Express Mini Card; FCC ID: KDZLXE-FX1WW

Communication System: CDMA Cellular ; Frequency: 836.52 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 837$ MHz; $\sigma = 0.972$ mho/m; $\epsilon_r = 54.5$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
Probe: EX3DV3 - SN3519; ConvF(10.36, 10.36, 10.36); Calibrated: 2/21/2012
Sensor-Surface: 3mm (Mechanical Surface Detection)
Electronics: DAE4 Sn779; Calibrated: 1/23/2012
Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Flat/Area Scan (81x181x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.11 mW/g

Flat/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 5.88 V/m; Power Drift = -0.00802 dB
Peak SAR (extrapolated) = 1.27 W/kg
SAR(1 g) = 0.901 mW/g; SAR(10 g) = 0.592 mW/g
Maximum value of SAR (measured) = 1.08 mW/g



Test Laboratory: A Test Lab Techno Corp.
Date/Time: 3/27/2012 6:18:28 AM

Flat_CDMA Cell CH777_RC3 SO55_Back Surface 0mm_Thick Battery_Hand Strap

DUT: Gobi2000; Type: Gobi2000 PCI Express Mini Card; FCC ID: KDZLXE-FX1WW

Communication System: CDMA Cellular ; Frequency: 848.31 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 848.31$ MHz; $\sigma = 0.985$ mho/m; $\epsilon_r = 54.4$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV3 - SN3519; ConvF(10.36, 10.36, 10.36); Calibrated: 2/21/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 1/23/2012
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Flat/Area Scan (81x181x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.11 mW/g

Flat/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 6.57 V/m; Power Drift = 0.0049 dB
Peak SAR (extrapolated) = 1.4 W/kg
SAR(1 g) = 0.946 mW/g; SAR(10 g) = 0.626 mW/g
Maximum value of SAR (measured) = 1.1 mW/g



Test Laboratory: A Test Lab Techno Corp.
Date/Time: 3/27/2012 12:58:37 AM

Flat_CDMA Cell CH1013_RC3 SO55_Back Surface 0mm_Thick Battery_Shoulder strap

DUT: Gobi2000; Type: Gobi2000 PCI Express Mini Card; FCC ID: KDZLXE-FX1WW

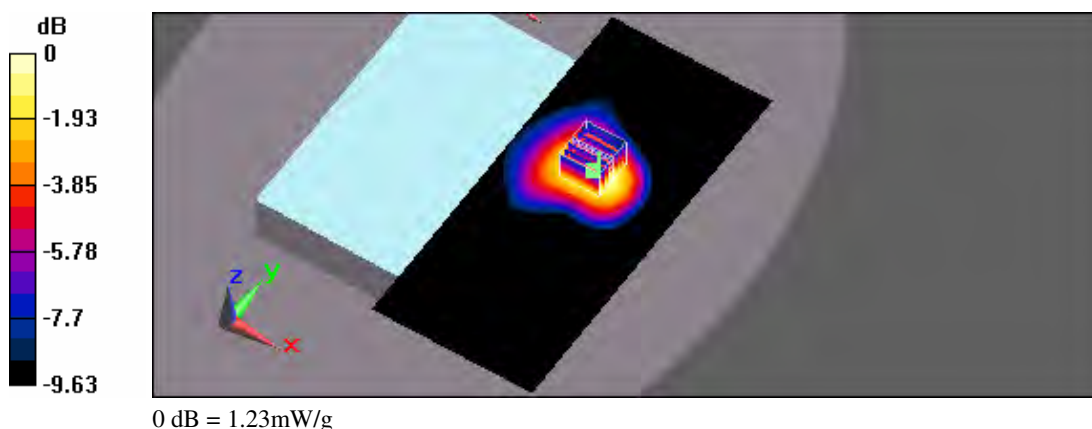
Communication System: CDMA Cellular ; Frequency: 824.7 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 825$ MHz; $\sigma = 0.959$ mho/m; $\epsilon_r = 54.6$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV3 - SN3519; ConvF(10.36, 10.36, 10.36); Calibrated: 2/21/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 1/23/2012
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Flat/Area Scan (81x181x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.21 mW/g

Flat/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 9.1 V/m; Power Drift = -0.106 dB
Peak SAR (extrapolated) = 1.5 W/kg
SAR(1 g) = 1.05 mW/g; SAR(10 g) = 0.693 mW/g
Maximum value of SAR (measured) = 1.23 mW/g



Test Laboratory: A Test Lab Techno Corp.
Date/Time: 3/26/2012 11:29:50 PM

Flat_CDMA Cell CH384_RC3 SO55_Back Surface 0mm_Thick Battery_Shoulder strap

DUT: Gobi2000; Type: Gobi2000 PCI Express Mini Card; FCC ID: KDZLXE-FX1WW

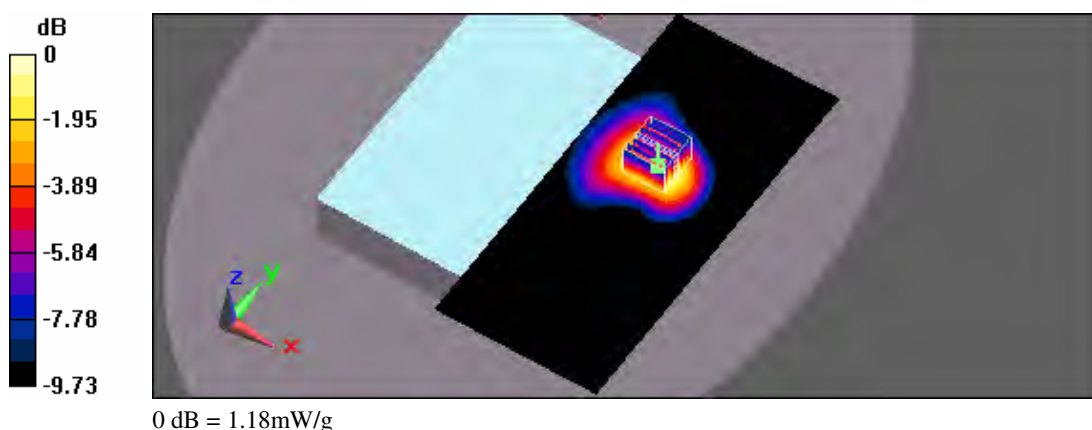
Communication System: CDMA Cellular ; Frequency: 836.52 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 837$ MHz; $\sigma = 0.972$ mho/m; $\epsilon_r = 54.5$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV3 - SN3519; ConvF(10.36, 10.36, 10.36); Calibrated: 2/21/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 1/23/2012
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Flat/Area Scan (81x181x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.16 mW/g

Flat/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 8.63 V/m; Power Drift = -0.00705 dB
Peak SAR (extrapolated) = 1.45 W/kg
SAR(1 g) = 1 mW/g; SAR(10 g) = 0.654 mW/g
Maximum value of SAR (measured) = 1.18 mW/g



Test Laboratory: A Test Lab Techno Corp.
Date/Time: 3/27/2012 12:13:44 AM

Flat_CDMA Cell CH777_RC3 SO55_Back Surface 0mm_Thick Battery_Shoulder strap

DUT: Gobi2000; Type: Gobi2000 PCI Express Mini Card; FCC ID: KDZLXE-FX1WW

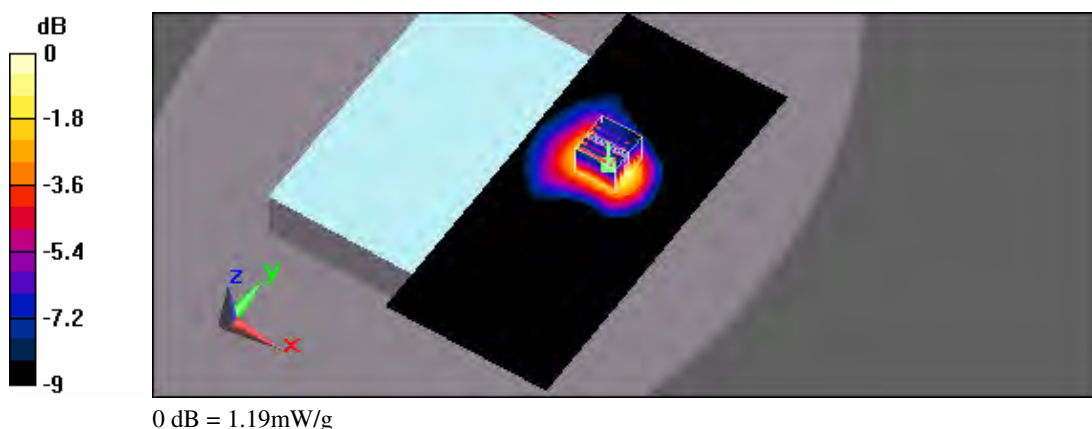
Communication System: CDMA Cellular ; Frequency: 848.31 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 848.31$ MHz; $\sigma = 0.985$ mho/m; $\epsilon_r = 54.4$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV3 - SN3519; ConvF(10.36, 10.36, 10.36); Calibrated: 2/21/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 1/23/2012
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Flat/Area Scan (81x181x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.11 mW/g

Flat/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 8.66 V/m; Power Drift = -0.106 dB
Peak SAR (extrapolated) = 1.4 W/kg
SAR(1 g) = 0.974 mW/g; SAR(10 g) = 0.643 mW/g
Maximum value of SAR (measured) = 1.19 mW/g



Test Laboratory: A Test Lab Techno Corp.
Date/Time: 3/28/2012 12:26:11 PM

Flat_1xRTT Cell CH384_RC3 SO32_Front Surface 0mm_Hip pad Battery

DUT: Gobi2000; Type: Gobi2000 PCI Express Mini Card; FCC ID: KDZLXE-FX1WW

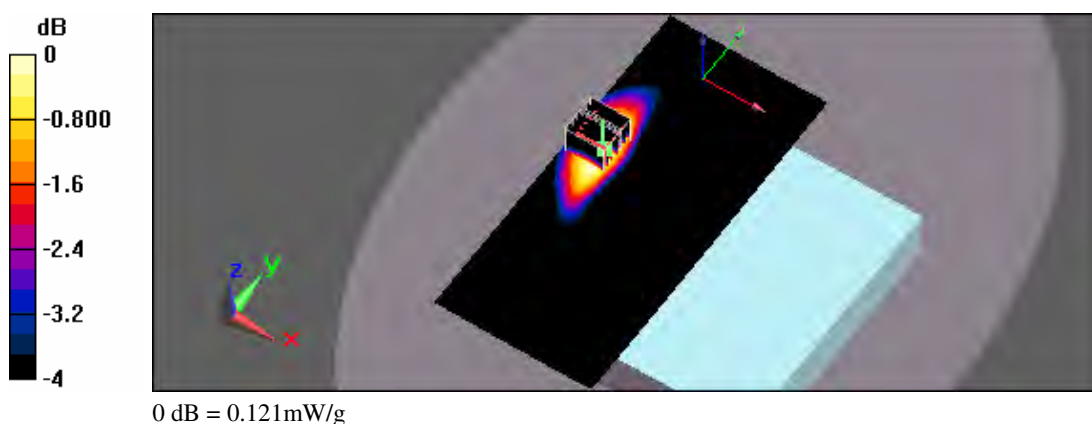
Communication System: CDMA 1xRTT Cellular; Frequency: 836.52 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 837$ MHz; $\sigma = 0.972$ mho/m; $\epsilon_r = 54.5$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV3 - SN3519; ConvF(10.36, 10.36, 10.36); Calibrated: 2/21/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 1/23/2012
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Flat/Area Scan (81x181x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.126 mW/g

Flat/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 2.21 V/m; Power Drift = -0.154 dB
Peak SAR (extrapolated) = 0.144 W/kg
SAR(1 g) = 0.105 mW/g; SAR(10 g) = 0.072 mW/g
Maximum value of SAR (measured) = 0.121 mW/g



Test Laboratory: A Test Lab Techno Corp.
Date/Time: 3/28/2012 2:42:49 PM

Flat_1xRTT Cell CH384_RC3 SO32_Front Surface 0mm_Hip pad Battery_Hand Strap

DUT: Gobi2000; Type: Gobi2000 PCI Express Mini Card; FCC ID: KDZLXE-FX1WW

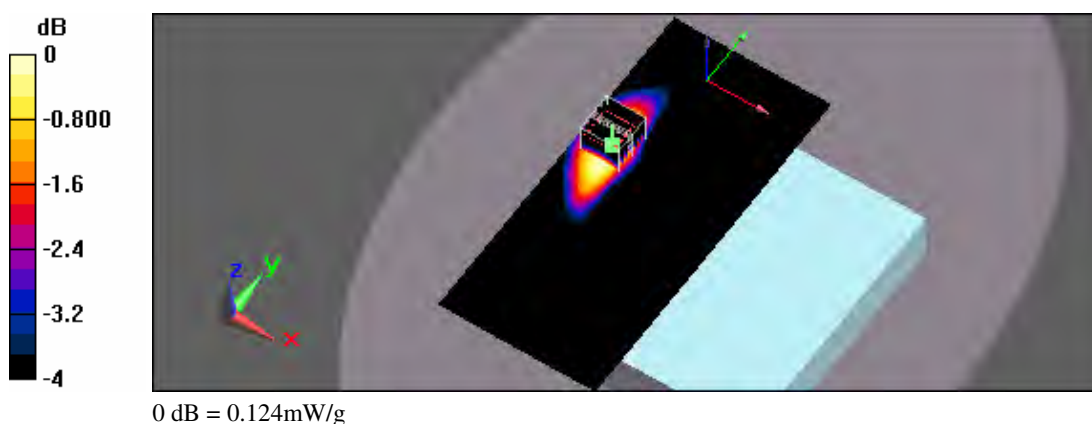
Communication System: CDMA 1xRTT Cellular; Frequency: 836.52 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 837$ MHz; $\sigma = 0.972$ mho/m; $\epsilon_r = 54.5$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV3 - SN3519; ConvF(10.36, 10.36, 10.36); Calibrated: 2/21/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 1/23/2012
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Flat/Area Scan (81x181x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.129 mW/g

Flat/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 2.04 V/m; Power Drift = 0.182 dB
Peak SAR (extrapolated) = 0.161 W/kg
SAR(1 g) = 0.108 mW/g; SAR(10 g) = 0.074 mW/g
Maximum value of SAR (measured) = 0.124 mW/g



Test Laboratory: A Test Lab Techno Corp.
Date/Time: 3/28/2012 3:18:57 PM

Flat_1xRTT Cell CH384_RC3 SO32_Front Surface 0mm_Hip pad Battery_Shoulder strap

DUT: Gobi2000; Type: Gobi2000 PCI Express Mini Card; FCC ID: KDZLXE-FX1WW

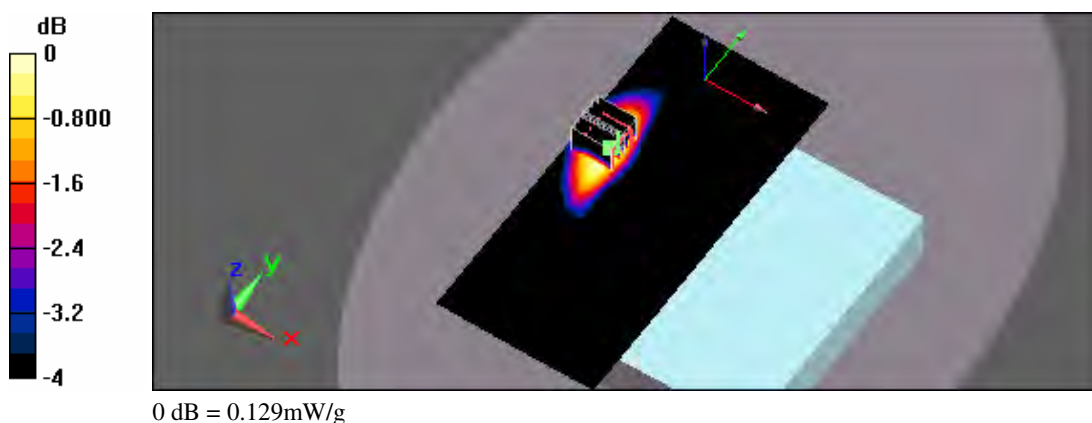
Communication System: CDMA 1xRTT Cellular; Frequency: 836.52 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 837$ MHz; $\sigma = 0.972$ mho/m; $\epsilon_r = 54.5$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV3 - SN3519; ConvF(10.36, 10.36, 10.36); Calibrated: 2/21/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 1/23/2012
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Flat/Area Scan (81x181x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.130 mW/g

Flat/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 2.16 V/m; Power Drift = 0.040 dB
Peak SAR (extrapolated) = 0.166 W/kg
SAR(1 g) = 0.111 mW/g; SAR(10 g) = 0.076 mW/g
Maximum value of SAR (measured) = 0.129 mW/g



Test Laboratory: A Test Lab Techno Corp.
Date/Time: 3/28/2012 1:10:44 PM

Flat_1xRTT Cell CH384_RC3 SO32_Front Surface 0mm_Thick Battery

DUT: Gobi2000; Type: Gobi2000 PCI Express Mini Card; FCC ID: KDZLXE-FX1WW

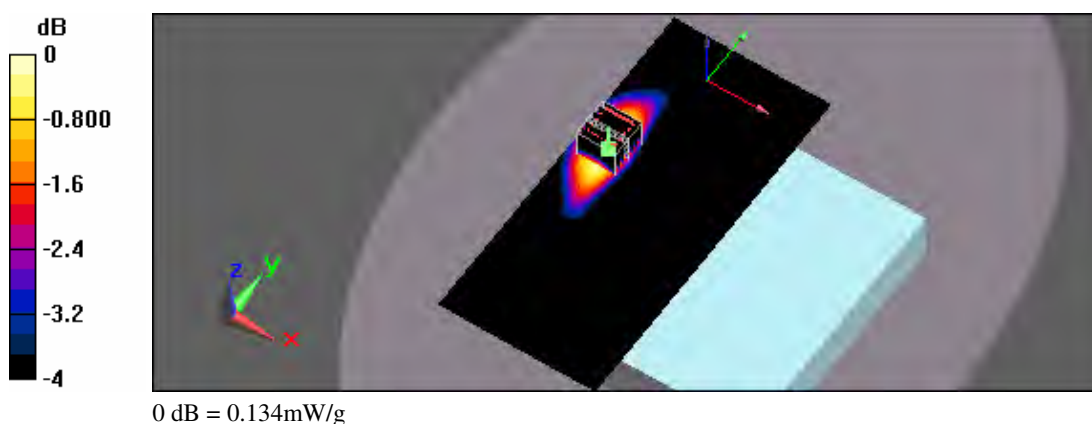
Communication System: CDMA 1xRTT Cellular; Frequency: 836.52 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 837$ MHz; $\sigma = 0.972$ mho/m; $\epsilon_r = 54.5$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV3 - SN3519; ConvF(10.36, 10.36, 10.36); Calibrated: 2/21/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 1/23/2012
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Flat/Area Scan (81x181x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.135 mW/g

Flat/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 2.18 V/m; Power Drift = -0.048 dB
Peak SAR (extrapolated) = 0.170 W/kg
SAR(1 g) = 0.113 mW/g; SAR(10 g) = 0.077 mW/g
Maximum value of SAR (measured) = 0.134 mW/g



Test Laboratory: A Test Lab Techno Corp.
Date/Time: 3/28/2012 11:01:16 PM

Flat_1xRTT Cell CH384_RC3 SO32_Front Surface 0mm_Thick Battery_Hand Strap

DUT: Gobi2000; Type: Gobi2000 PCI Express Mini Card; FCC ID: KDZLXE-FX1WW

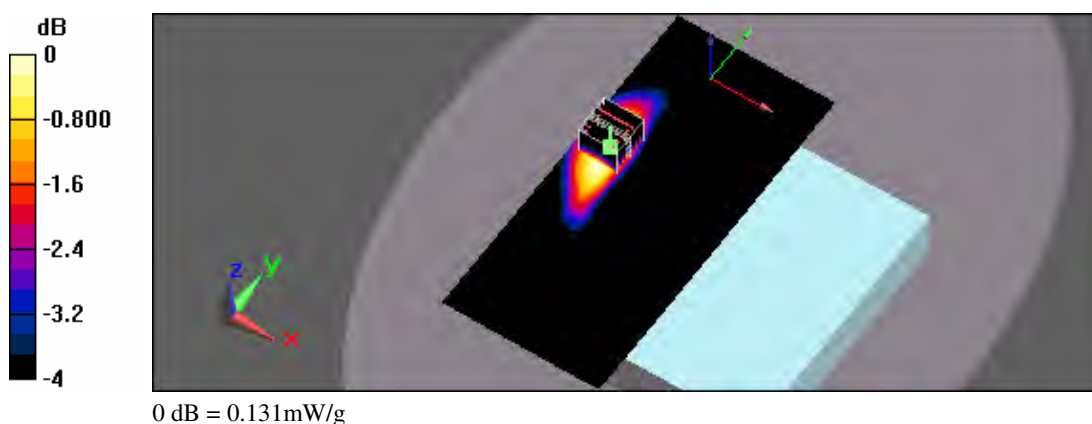
Communication System: CDMA 1xRTT Cellular; Frequency: 836.52 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 837$ MHz; $\sigma = 0.972$ mho/m; $\epsilon_r = 54.5$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV3 - SN3519; ConvF(10.36, 10.36, 10.36); Calibrated: 2/21/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 1/23/2012
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Flat/Area Scan (81x181x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.136 mW/g

Flat/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 2.33 V/m; Power Drift = 0.172 dB
Peak SAR (extrapolated) = 0.161 W/kg
SAR(1 g) = 0.113 mW/g; SAR(10 g) = 0.079 mW/g
Maximum value of SAR (measured) = 0.131 mW/g



Test Laboratory: A Test Lab Techno Corp.
Date/Time: 3/28/2012 10:20:39 PM

Flat_1xRTT Cell CH384_RC3 SO32_Front Surface 0mm_Thick Battery_Shoulder strap

DUT: Gobi2000; Type: Gobi2000 PCI Express Mini Card; FCC ID: KDZLXE-FX1WW

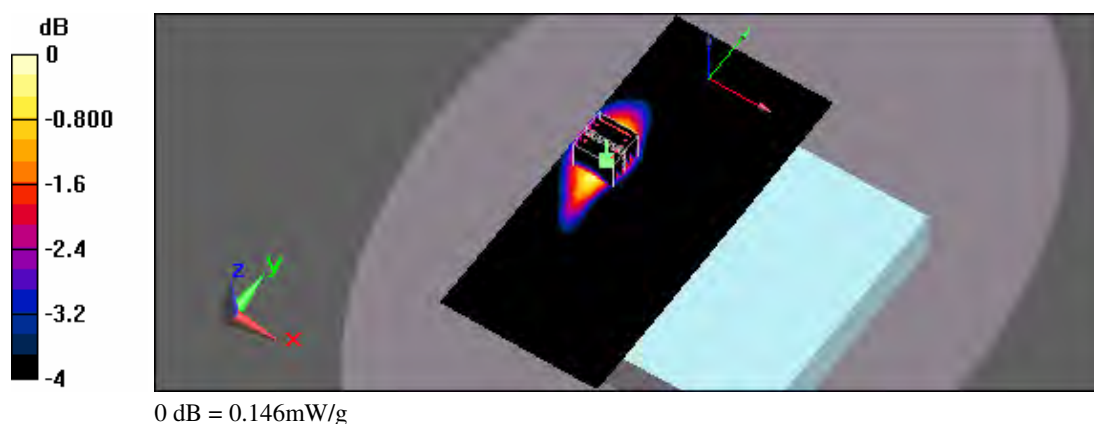
Communication System: CDMA 1xRTT Cellular; Frequency: 836.52 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 837$ MHz; $\sigma = 0.972$ mho/m; $\epsilon_r = 54.5$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV3 - SN3519; ConvF(10.36, 10.36, 10.36); Calibrated: 2/21/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 1/23/2012
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Flat/Area Scan (81x181x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.152 mW/g

Flat/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 1.55 V/m; Power Drift = -0.170 dB
Peak SAR (extrapolated) = 0.189 W/kg
SAR(1 g) = 0.126 mW/g; SAR(10 g) = 0.085 mW/g
Maximum value of SAR (measured) = 0.146 mW/g



Test Laboratory: A Test Lab Techno Corp.
Date/Time: 3/28/2012 9:04:23 AM

Flat_1xRTT Cell CH384_RC3 SO32_Back Surface 0mm_Hip pad Battery

DUT: Gobi2000; Type: Gobi2000 PCI Express Mini Card; FCC ID: KDZLXE-FX1WW

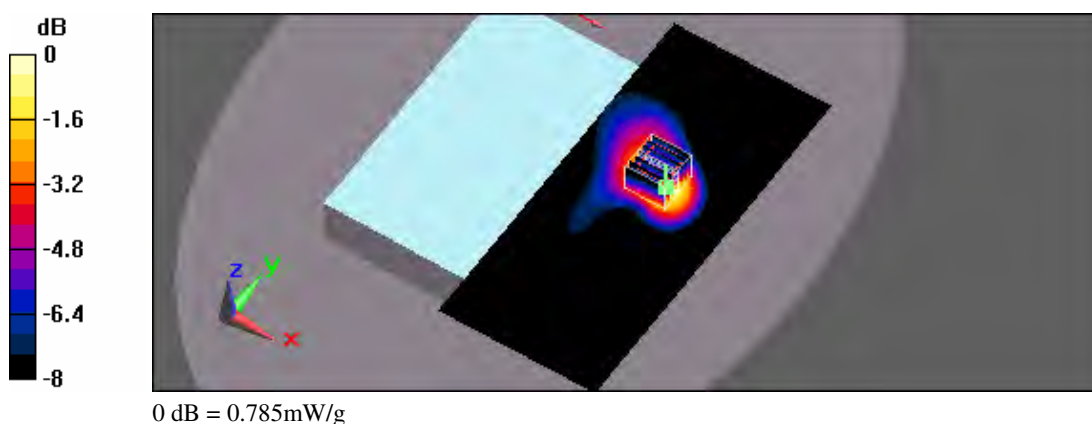
Communication System: CDMA 1xRTT Cellular; Frequency: 836.52 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 837$ MHz; $\sigma = 0.972$ mho/m; $\epsilon_r = 54.5$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV3 - SN3519; ConvF(10.36, 10.36, 10.36); Calibrated: 2/21/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 1/23/2012
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Flat/Area Scan (81x181x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.763 mW/g

Flat/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 5.43 V/m; Power Drift = -0.056 dB
Peak SAR (extrapolated) = 0.981 W/kg
SAR(1 g) = 0.673 mW/g; SAR(10 g) = 0.434 mW/g
Maximum value of SAR (measured) = 0.785 mW/g



Test Laboratory: A Test Lab Techno Corp.
Date/Time: 3/28/2012 5:10:34 PM

Flat_1xRTT Cell CH384_RC3 SO32_Back Surface 0mm_Hip pad Battery_Hand Strap

DUT: Gobi2000; Type: Gobi2000 PCI Express Mini Card; FCC ID: KDZLXE-FX1WW

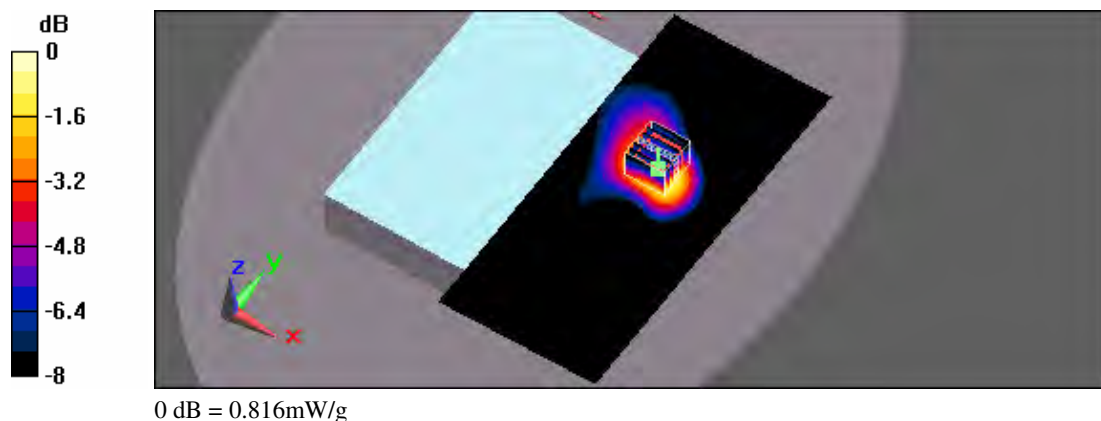
Communication System: CDMA 1xRTT Cellular; Frequency: 836.52 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 837$ MHz; $\sigma = 0.972$ mho/m; $\epsilon_r = 54.5$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASYS (IEEE/IEC)

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV3 - SN3519; ConvF(10.36, 10.36, 10.36); Calibrated: 2/21/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 1/23/2012
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Flat/Area Scan (81x181x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.828 mW/g

Flat/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 5.53 V/m; Power Drift = -0.081 dB
Peak SAR (extrapolated) = 1.01 W/kg
SAR(1 g) = 0.694 mW/g; SAR(10 g) = 0.452 mW/g
Maximum value of SAR (measured) = 0.816 mW/g



Test Laboratory: A Test Lab Techno Corp.
Date/Time: 3/28/2012 4:08:03 PM

Flat_1xRTT Cell CH384_RC3 SO32_Back Surface 0mm_Hip pad Battery_Shoulder strap

DUT: Gobi2000; Type: Gobi2000 PCI Express Mini Card; FCC ID: KDZLXE-FX1WW

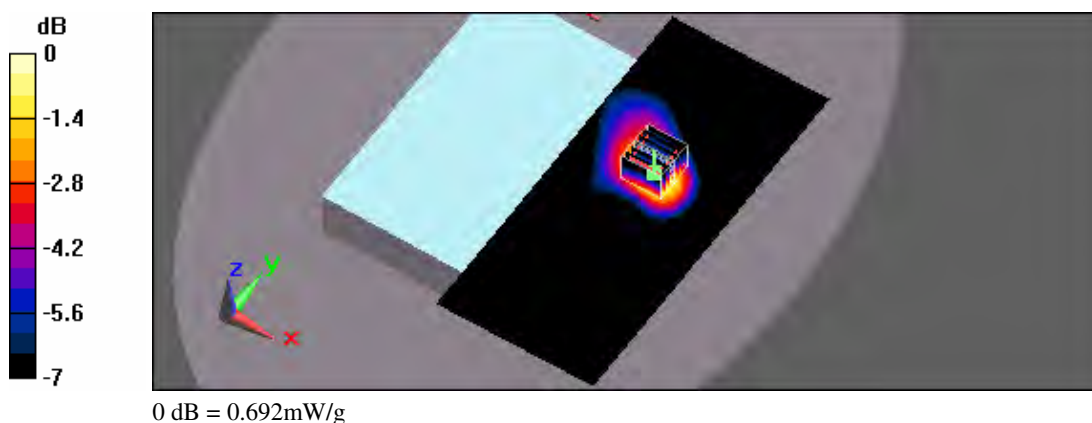
Communication System: CDMA 1xRTT Cellular; Frequency: 836.52 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 837$ MHz; $\sigma = 0.972$ mho/m; $\epsilon_r = 54.5$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV3 - SN3519; ConvF(10.36, 10.36, 10.36); Calibrated: 2/21/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 1/23/2012
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Flat/Area Scan (81x181x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.724 mW/g

Flat/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 5.33 V/m; Power Drift = -0.102 dB
Peak SAR (extrapolated) = 0.831 W/kg
SAR(1 g) = 0.594 mW/g; SAR(10 g) = 0.389 mW/g
Maximum value of SAR (measured) = 0.692 mW/g



Test Laboratory: A Test Lab Techno Corp.
Date/Time: 3/28/2012 10:52:04 AM

Flat_1xRTT Cell CH1013_RC3 SO32_Back Surface 0mm_Thick Battery

DUT: Gobi2000; Type: Gobi2000 PCI Express Mini Card; FCC ID: KDZLXE-FX1WW

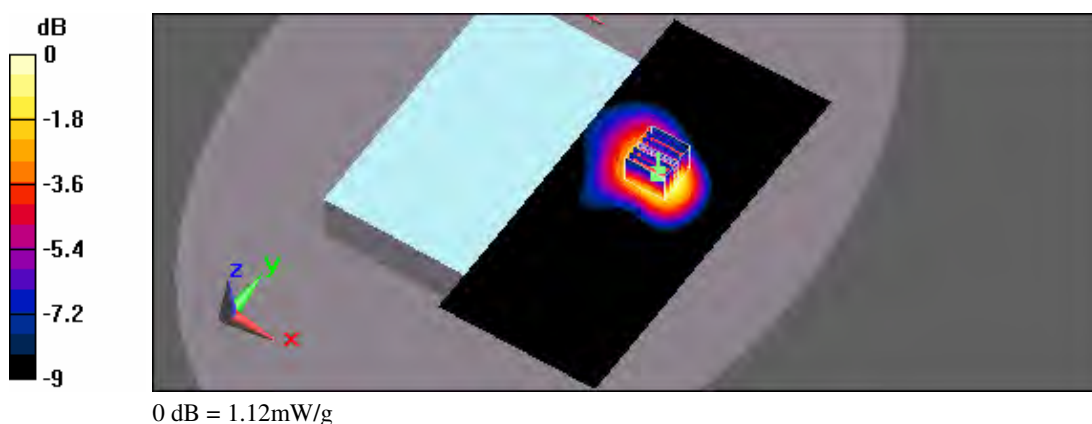
Communication System: CDMA 1xRTT Cellular; Frequency: 824.7 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 825$ MHz; $\sigma = 0.959$ mho/m; $\epsilon_r = 54.6$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV3 - SN3519; ConvF(10.36, 10.36, 10.36); Calibrated: 2/21/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 1/23/2012
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Flat/Area Scan (81x181x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.14 mW/g

Flat/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 6.91 V/m; Power Drift = -0.020 dB
Peak SAR (extrapolated) = 1.35 W/kg
SAR(1 g) = 0.968 mW/g; SAR(10 g) = 0.639 mW/g
Maximum value of SAR (measured) = 1.12 mW/g



Test Laboratory: A Test Lab Techno Corp.
Date/Time: 3/28/2012 10:09:02 AM

Flat_1xRTT Cell CH384_RC3 SO32_Back Surface 0mm_Thick Battery

DUT: Gobi2000; Type: Gobi2000 PCI Express Mini Card; FCC ID: KDZLXE-FX1WW

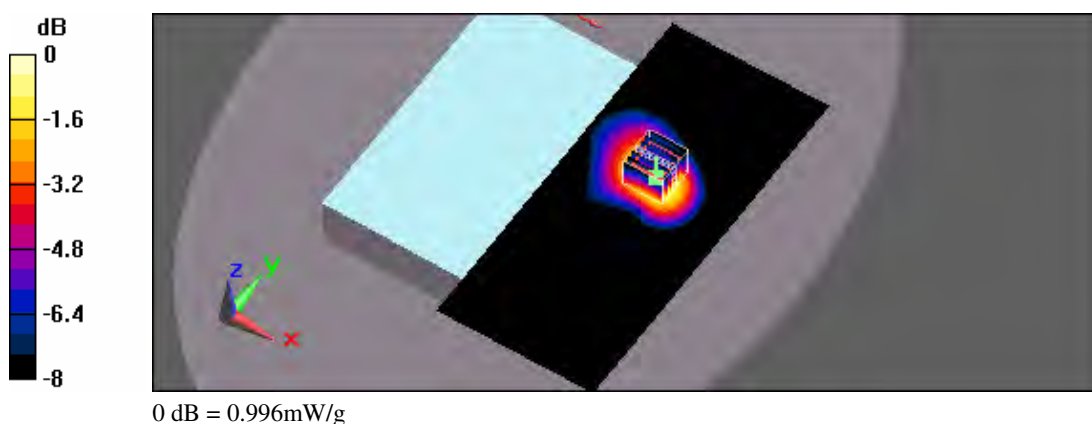
Communication System: CDMA 1xRTT Cellular; Frequency: 836.52 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 837$ MHz; $\sigma = 0.972$ mho/m; $\epsilon_r = 54.5$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV3 - SN3519; ConvF(10.36, 10.36, 10.36); Calibrated: 2/21/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 1/23/2012
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Flat/Area Scan (81x181x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.991 mW/g

Flat/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 6.39 V/m; Power Drift = 0.092 dB
Peak SAR (extrapolated) = 1.24 W/kg
SAR(1 g) = 0.857 mW/g; SAR(10 g) = 0.565 mW/g
Maximum value of SAR (measured) = 0.996 mW/g



Test Laboratory: A Test Lab Techno Corp.
Date/Time: 3/28/2012 11:37:17 AM

Flat_1xRTT Cell CH777_RC3 SO32_Back Surface 0mm_Thick Battery

DUT: Gobi2000; Type: Gobi2000 PCI Express Mini Card; FCC ID: KDZLXE-FX1WW

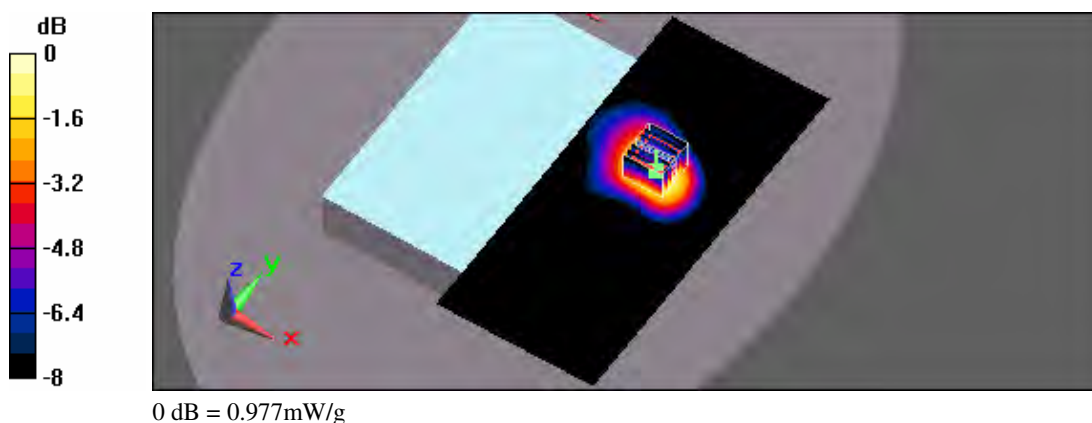
Communication System: CDMA 1xRTT Cellular; Frequency: 848.31 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 848.31$ MHz; $\sigma = 0.985$ mho/m; $\epsilon_r = 54.4$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV3 - SN3519; ConvF(10.36, 10.36, 10.36); Calibrated: 2/21/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 1/23/2012
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Flat/Area Scan (81x181x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.990 mW/g

Flat/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 6.74 V/m; Power Drift = 0.162 dB
Peak SAR (extrapolated) = 1.16 W/kg
SAR(1 g) = 0.837 mW/g; SAR(10 g) = 0.553 mW/g
Maximum value of SAR (measured) = 0.977 mW/g



Test Laboratory: A Test Lab Techno Corp.
Date/Time: 3/28/2012 6:49:05 PM

Flat_1xRTT Cell CH1013_RC3 SO32_Back Surface 0mm_Thick Battery_Hand Strap

DUT: Gobi2000; Type: Gobi2000 PCI Express Mini Card; FCC ID: KDZLXE-FX1WW

Communication System: CDMA 1xRTT Cellular; Frequency: 824.7 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 825 \text{ MHz}$; $\sigma = 0.959 \text{ mho/m}$; $\epsilon_r = 54.6$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV3 - SN3519; ConvF(10.36, 10.36, 10.36); Calibrated: 2/21/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 1/23/2012
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Flat/Area Scan (81x181x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Maximum value of SAR (interpolated) = 1.13 mW/g

Flat/Zoom Scan (7x7x9)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=3\text{mm}$
Reference Value = 6.56 V/m; Power Drift = -0.038 dB
Peak SAR (extrapolated) = 1.34 W/kg
SAR(1 g) = 0.955 mW/g; SAR(10 g) = 0.633 mW/g
Maximum value of SAR (measured) = 1.1 mW/g



Test Laboratory: A Test Lab Techno Corp.
Date/Time: 3/28/2012 5:59:14 PM

Flat_1xRTT Cell CH384_RC3 SO32_Back Surface 0mm_Thick Battery_Hand Strap

DUT: Gobi2000; Type: Gobi2000 PCI Express Mini Card; FCC ID: KDZLXE-FX1WW

Communication System: CDMA 1xRTT Cellular; Frequency: 836.52 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 837$ MHz; $\sigma = 0.972$ mho/m; $\epsilon_r = 54.5$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV3 - SN3519; ConvF(10.36, 10.36, 10.36); Calibrated: 2/21/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 1/23/2012
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Flat/Area Scan (81x181x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.03 mW/g

Flat/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 6.21 V/m; Power Drift = -0.032 dB
Peak SAR (extrapolated) = 1.25 W/kg
SAR(1 g) = 0.894 mW/g; SAR(10 g) = 0.589 mW/g
Maximum value of SAR (measured) = 1.03 mW/g



Test Laboratory: A Test Lab Techno Corp.
Date/Time: 3/28/2012 7:26:15 PM

Flat_1xRTT Cell CH777_RC3 SO32_Back Surface 0mm_Thick Battery_Hand Strap

DUT: Gobi2000; Type: Gobi2000 PCI Express Mini Card; FCC ID: KDZLXE-FX1WW

Communication System: CDMA 1xRTT Cellular; Frequency: 848.31 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 848.31$ MHz; $\sigma = 0.985$ mho/m; $\epsilon_r = 54.4$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV3 - SN3519; ConvF(10.36, 10.36, 10.36); Calibrated: 2/21/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 1/23/2012
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Flat/Area Scan (81x181x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.07 mW/g

Flat/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 6.74 V/m; Power Drift = -0.111 dB
Peak SAR (extrapolated) = 1.23 W/kg
SAR(1 g) = 0.872 mW/g; SAR(10 g) = 0.574 mW/g
Maximum value of SAR (measured) = 1.01 mW/g



Test Laboratory: A Test Lab Techno Corp.
Date/Time: 3/28/2012 8:42:17 PM

Flat_1xRTT Cell CH1013_RC3 SO32_Back Surface 0mm_Thick Battery_Shoulder strap

DUT: Gobi2000; Type: Gobi2000 PCI Express Mini Card; FCC ID: KDZLXE-FX1WW

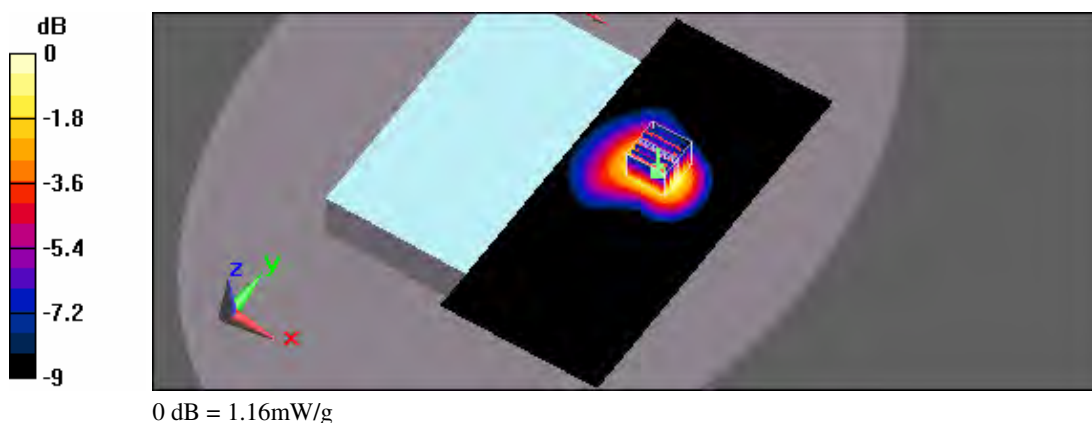
Communication System: CDMA 1xRTT Cellular; Frequency: 824.7 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 825 \text{ MHz}$; $\sigma = 0.959 \text{ mho/m}$; $\epsilon_r = 54.6$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV3 - SN3519; ConvF(10.36, 10.36, 10.36); Calibrated: 2/21/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 1/23/2012
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Flat/Area Scan (81x181x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Maximum value of SAR (interpolated) = 1.18 mW/g

Flat/Zoom Scan (7x7x9)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=3\text{mm}$
Reference Value = 9.78 V/m; Power Drift = 0.012 dB
Peak SAR (extrapolated) = 1.42 W/kg
SAR(1 g) = 0.991 mW/g; SAR(10 g) = 0.652 mW/g
Maximum value of SAR (measured) = 1.16 mW/g



Test Laboratory: A Test Lab Techno Corp.
Date/Time: 3/28/2012 8:07:05 PM

Flat_1xRTT Cell CH384_RC3 SO32_Back Surface 0mm_Thick Battery_Shoulder strap

DUT: Gobi2000; Type: Gobi2000 PCI Express Mini Card; FCC ID: KDZLXE-FX1WW

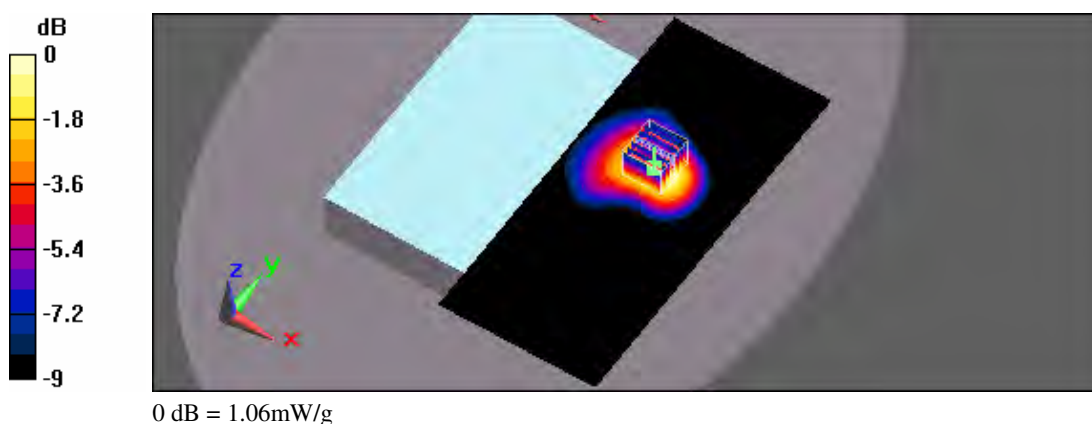
Communication System: CDMA 1xRTT Cellular; Frequency: 836.52 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 837$ MHz; $\sigma = 0.972$ mho/m; $\epsilon_r = 54.5$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV3 - SN3519; ConvF(10.36, 10.36, 10.36); Calibrated: 2/21/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 1/23/2012
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Flat/Area Scan (81x181x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.1 mW/g

Flat/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 9.45 V/m; Power Drift = -0.054 dB
Peak SAR (extrapolated) = 1.32 W/kg
SAR(1 g) = 0.919 mW/g; SAR(10 g) = 0.606 mW/g
Maximum value of SAR (measured) = 1.06 mW/g



Test Laboratory: A Test Lab Techno Corp.
Date/Time: 3/28/2012 9:33:12 PM

Flat_1xRTT Cell CH777_RC3 SO32_Back Surface 0mm_Thick Battery_Shoulder strap

DUT: Gobi2000; Type: Gobi2000 PCI Express Mini Card; FCC ID: KDZLXE-FX1WW

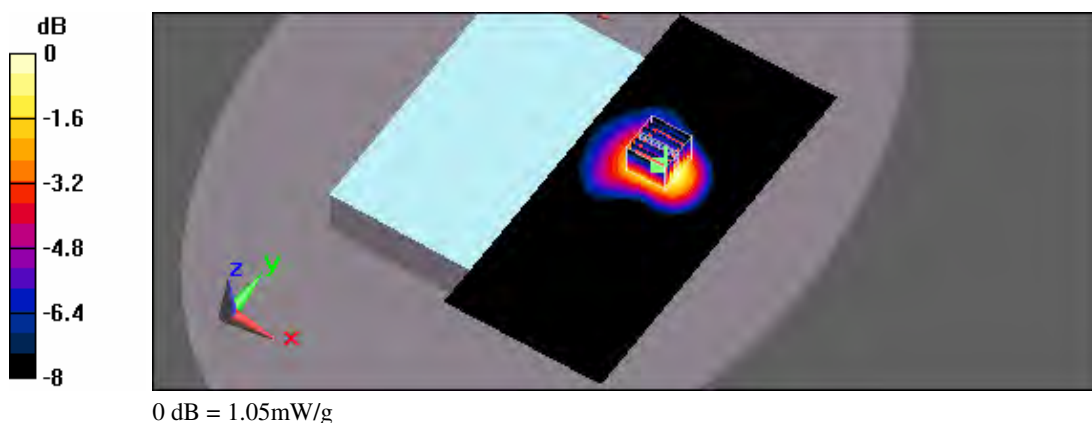
Communication System: CDMA 1xRTT Cellular; Frequency: 848.31 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 848.31$ MHz; $\sigma = 0.985$ mho/m; $\epsilon_r = 54.4$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV3 - SN3519; ConvF(10.36, 10.36, 10.36); Calibrated: 2/21/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 1/23/2012
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Flat/Area Scan (81x181x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.08 mW/g

Flat/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 9.13 V/m; Power Drift = 0.065 dB
Peak SAR (extrapolated) = 1.29 W/kg
SAR(1 g) = 0.908 mW/g; SAR(10 g) = 0.602 mW/g
Maximum value of SAR (measured) = 1.05 mW/g



Test Laboratory: A Test Lab Techno Corp.
Date/Time: 3/29/2012 10:48:18 PM

Flat_1xEVDO R0 Cell CH384_RTAP 153.6K_Front Surface 0mm_Hip pad Battery

DUT: Gobi2000; Type: Gobi2000 PCI Express Mini Card; FCC ID: KDZLXE-FX1WW

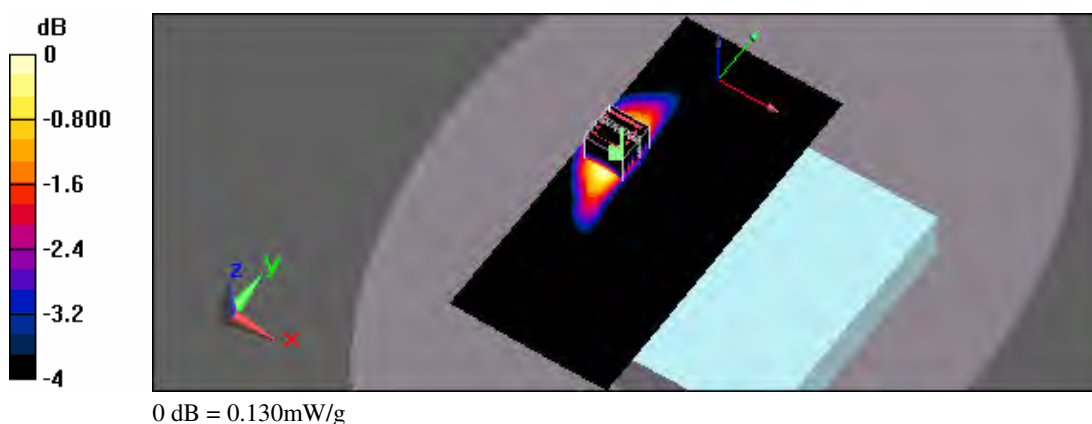
Communication System: 1xEVDO Cellular; Frequency: 836.52 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 837$ MHz; $\sigma = 0.972$ mho/m; $\epsilon_r = 54.5$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV3 - SN3519; ConvF(10.36, 10.36, 10.36); Calibrated: 2/21/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 1/23/2012
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Flat/Area Scan (81x181x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.137 mW/g

Flat/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 2.17 V/m; Power Drift = -0.015 dB
Peak SAR (extrapolated) = 0.163 W/kg
SAR(1 g) = 0.113 mW/g; SAR(10 g) = 0.078 mW/g
Maximum value of SAR (measured) = 0.130 mW/g



Test Laboratory: A Test Lab Techno Corp.
Date/Time: 3/29/2012 7:54:58 PM

Flat_1xEVDO R0 Cell CH384_RTAP 153.6K_Front Surface 0mm_Hip pad Battery_Hand Strap

DUT: Gobi2000; Type: Gobi2000 PCI Express Mini Card; FCC ID: KDZLXE-FX1WW

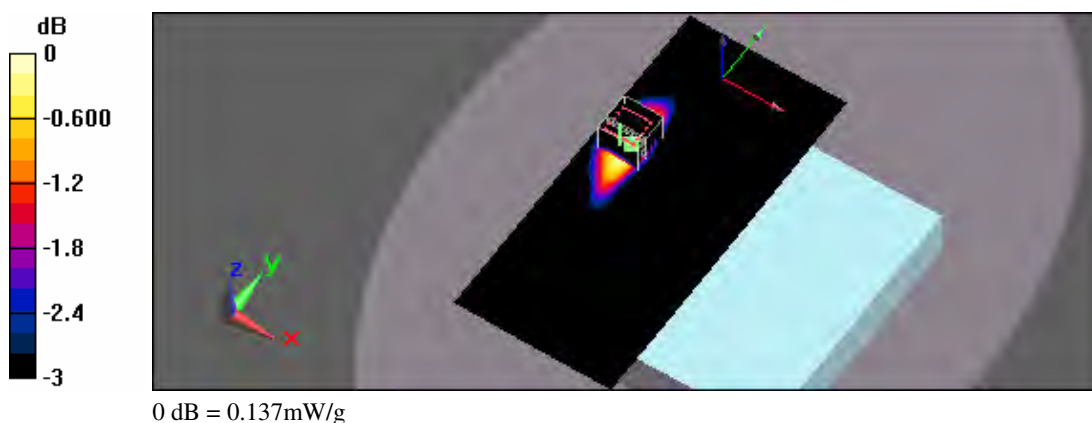
Communication System: 1xEVDO Cellular; Frequency: 836.52 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 837$ MHz; $\sigma = 0.972$ mho/m; $\epsilon_r = 54.5$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV3 - SN3519; ConvF(10.36, 10.36, 10.36); Calibrated: 2/21/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 1/23/2012
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Flat/Area Scan (81x181x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.145 mW/g

Flat/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 1.85 V/m; Power Drift = 0.195 dB
Peak SAR (extrapolated) = 0.169 W/kg
SAR(1 g) = 0.118 mW/g; SAR(10 g) = 0.080 mW/g
Maximum value of SAR (measured) = 0.137 mW/g



Test Laboratory: A Test Lab Techno Corp.
Date/Time: 3/29/2012 10:06:04 PM

Flat_1xEVDO R0 Cell CH384_RTAP 153.6K_Front Surface 0mm_Hip pad Battery_Shoulder strap

DUT: Gobi2000; Type: Gobi2000 PCI Express Mini Card; FCC ID: KDZLXE-FX1WW

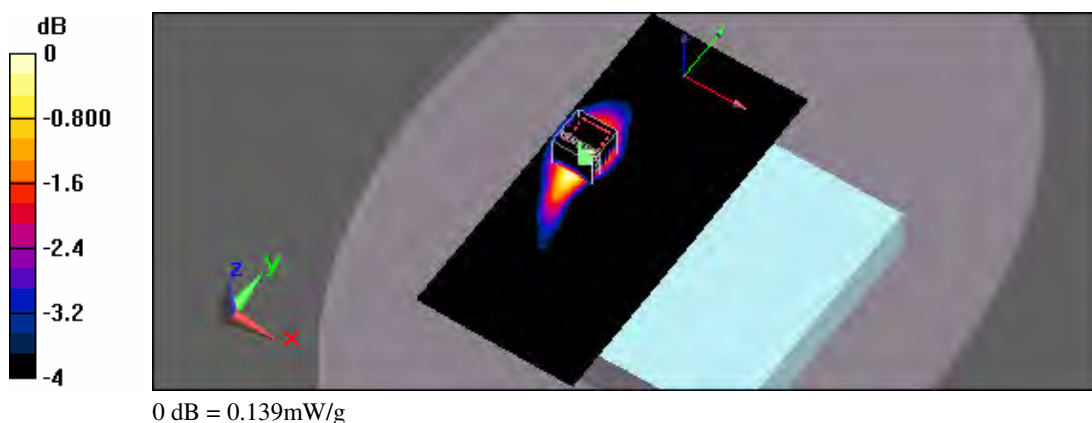
Communication System: 1xEVDO Cellular; Frequency: 836.52 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 837$ MHz; $\sigma = 0.972$ mho/m; $\epsilon_r = 54.5$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV3 - SN3519; ConvF(10.36, 10.36, 10.36); Calibrated: 2/21/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 1/23/2012
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Flat/Area Scan (81x181x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.148 mW/g

Flat/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 1.41 V/m; Power Drift = 0.165 dB
Peak SAR (extrapolated) = 0.181 W/kg
SAR(1 g) = 0.116 mW/g; SAR(10 g) = 0.077 mW/g
Maximum value of SAR (measured) = 0.139 mW/g



Test Laboratory: A Test Lab Techno Corp.
Date/Time: 3/30/2012 12:11:05 AM

Flat_1xEVDO R0 Cell CH384_RTAP 153.6K_Front Surface 0mm_Thick Battery

DUT: Gobi2000; Type: Gobi2000 PCI Express Mini Card; FCC ID: KDZLXE-FX1WW

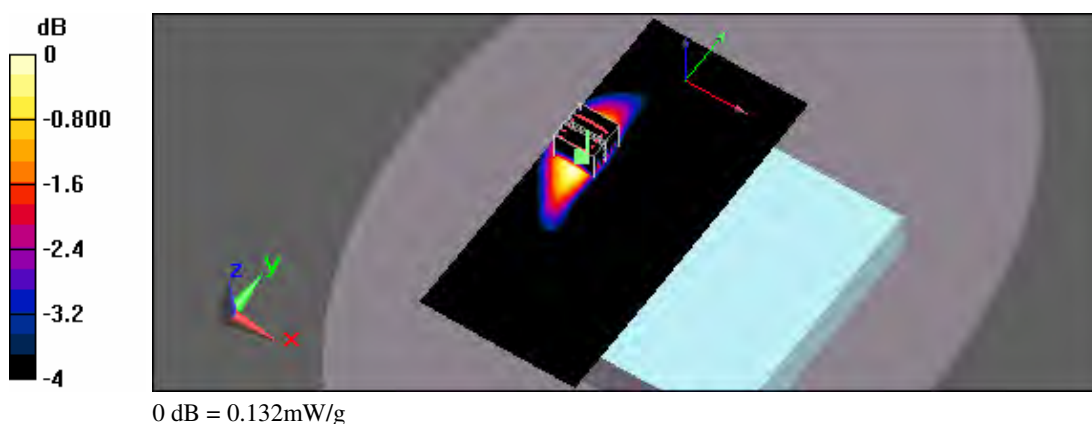
Communication System: 1xEVDO Cellular; Frequency: 836.52 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 837$ MHz; $\sigma = 0.972$ mho/m; $\epsilon_r = 54.5$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV3 - SN3519; ConvF(10.36, 10.36, 10.36); Calibrated: 2/21/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 1/23/2012
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Flat/Area Scan (81x181x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.135 mW/g

Flat/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 2.06 V/m; Power Drift = -0.049 dB
Peak SAR (extrapolated) = 0.168 W/kg
SAR(1 g) = 0.114 mW/g; SAR(10 g) = 0.078 mW/g
Maximum value of SAR (measured) = 0.132 mW/g



Test Laboratory: A Test Lab Techno Corp.
Date/Time: 3/29/2012 7:13:26 PM

Flat_1xEVDO R0 Cell CH384_RTAP 153.6K_Front Surface 0mm_Thick Battery_Hand Strap

DUT: Gobi2000; Type: Gobi2000 PCI Express Mini Card; FCC ID: KDZLXE-FX1WW

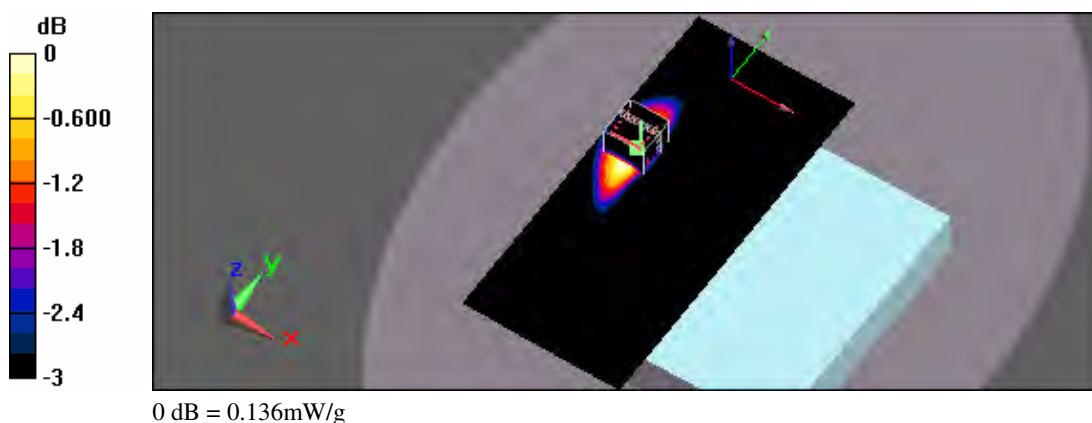
Communication System: 1xEVDO Cellular; Frequency: 836.52 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 837$ MHz; $\sigma = 0.972$ mho/m; $\epsilon_r = 54.5$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV3 - SN3519; ConvF(10.36, 10.36, 10.36); Calibrated: 2/21/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 1/23/2012
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Flat/Area Scan (81x181x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.143 mW/g

Flat/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 1.92 V/m; Power Drift = 0.108 dB
Peak SAR (extrapolated) = 0.174 W/kg
SAR(1 g) = 0.119 mW/g; SAR(10 g) = 0.081 mW/g
Maximum value of SAR (measured) = 0.136 mW/g



Test Laboratory: A Test Lab Techno Corp.
Date/Time: 3/29/2012 6:28:21 PM

Flat_1xEVDO R0 Cell CH384_RTAP 153.6K_Front Surface 0mm_Thick Battery_Shoulder strap

DUT: Gobi2000; Type: Gobi2000 PCI Express Mini Card; FCC ID: KDZLXE-FX1WW

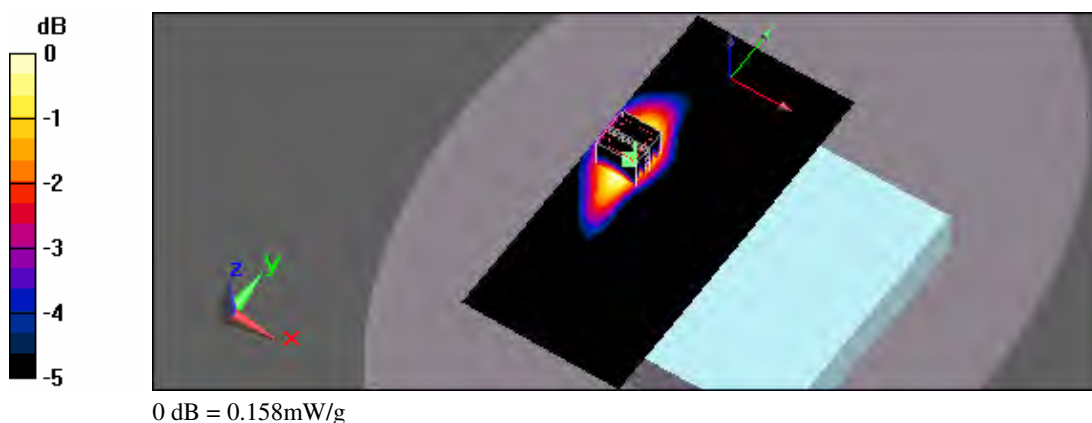
Communication System: 1xEVDO Cellular; Frequency: 836.52 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 837$ MHz; $\sigma = 0.972$ mho/m; $\epsilon_r = 54.5$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV3 - SN3519; ConvF(10.36, 10.36, 10.36); Calibrated: 2/21/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 1/23/2012
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Flat/Area Scan (81x181x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.165 mW/g

Flat/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 2.4 V/m; Power Drift = -0.137 dB
Peak SAR (extrapolated) = 0.208 W/kg
SAR(1 g) = 0.134 mW/g; SAR(10 g) = 0.090 mW/g
Maximum value of SAR (measured) = 0.158 mW/g



Test Laboratory: A Test Lab Techno Corp.
Date/Time: 3/29/2012 11:29:34 PM

Flat_1xEVDO R0 Cell CH384_RTAP 153.6K_Back Surface 0mm_Hip pad Battery

DUT: Gobi2000; Type: Gobi2000 PCI Express Mini Card; FCC ID: KDZLXE-FX1WW

Communication System: 1xEVDO Cellular; Frequency: 836.52 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 837$ MHz; $\sigma = 0.972$ mho/m; $\epsilon_r = 54.5$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV3 - SN3519; ConvF(10.36, 10.36, 10.36); Calibrated: 2/21/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 1/23/2012
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Flat/Area Scan (81x181x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.883 mW/g

Flat/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 5.13 V/m; Power Drift = -0.137 dB
Peak SAR (extrapolated) = 1.06 W/kg
SAR(1 g) = 0.751 mW/g; SAR(10 g) = 0.487 mW/g
Maximum value of SAR (measured) = 0.872 mW/g



0 dB = 0.872mW/g

Test Laboratory: A Test Lab Techno Corp.
Date/Time: 3/29/2012 8:34:53 PM

Flat_1xEVDO R0 Cell CH384_RTAP 153.6K_Back Surface 0mm_Hip pad Battery_Hand Strap

DUT: Gobi2000; Type: Gobi2000 PCI Express Mini Card; FCC ID: KDZLXE-FX1WW

Communication System: 1xEVDO Cellular; Frequency: 836.52 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 837$ MHz; $\sigma = 0.972$ mho/m; $\epsilon_r = 54.5$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV3 - SN3519; ConvF(10.36, 10.36, 10.36); Calibrated: 2/21/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 1/23/2012
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Flat/Area Scan (81x181x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.866 mW/g

Flat/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 4.64 V/m; Power Drift = -0.145 dB
Peak SAR (extrapolated) = 1.09 W/kg
SAR(1 g) = 0.745 mW/g; SAR(10 g) = 0.484 mW/g
Maximum value of SAR (measured) = 0.867 mW/g



Test Laboratory: A Test Lab Techno Corp.
Date/Time: 3/29/2012 9:22:51 PM

Flat_1xEVDO R0 Cell CH384_RTAP 153.6K_Back Surface 0mm_Hip pad Battery_Shoulder strap

DUT: Gobi2000; Type: Gobi2000 PCI Express Mini Card; FCC ID: KDZLXE-FX1WW

Communication System: 1xEVDO Cellular; Frequency: 836.52 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 837$ MHz; $\sigma = 0.972$ mho/m; $\epsilon_r = 54.5$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV3 - SN3519; ConvF(10.36, 10.36, 10.36); Calibrated: 2/21/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 1/23/2012
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Flat/Area Scan (81x181x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.709 mW/g

Flat/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 8.07 V/m; Power Drift = -0.037 dB
Peak SAR (extrapolated) = 0.914 W/kg
SAR(1 g) = 0.615 mW/g; SAR(10 g) = 0.398 mW/g
Maximum value of SAR (measured) = 0.720 mW/g



Test Laboratory: A Test Lab Techno Corp.
Date/Time: 3/29/2012 12:27:33 PM

Flat_1xEVDO R0 Cell CH1013_RTAP 153.6K_Back Surface 0mm_Thick Battery

DUT: Gobi2000; Type: Gobi2000 PCI Express Mini Card; FCC ID: KDZLXE-FX1WW

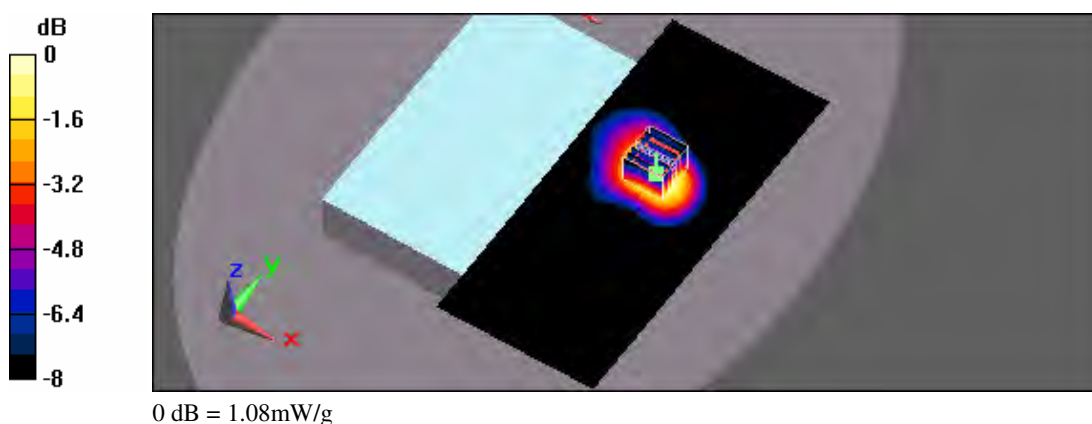
Communication System: 1xEVDO Cellular; Frequency: 824.7 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 825 \text{ MHz}$; $\sigma = 0.959 \text{ mho/m}$; $\epsilon_r = 54.6$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV3 - SN3519; ConvF(10.36, 10.36, 10.36); Calibrated: 2/21/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 1/23/2012
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Flat/Area Scan (81x181x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Maximum value of SAR (interpolated) = 1.1 mW/g

Flat/Zoom Scan (7x7x9)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=3\text{mm}$
Reference Value = 6.72 V/m; Power Drift = 0.038 dB
Peak SAR (extrapolated) = 1.34 W/kg
SAR(1 g) = 0.935 mW/g; SAR(10 g) = 0.618 mW/g
Maximum value of SAR (measured) = 1.08 mW/g



Test Laboratory: A Test Lab Techno Corp.
Date/Time: 3/29/2012 11:51:37 AM

Flat_1xEVDO R0 Cell CH384_RTAP 153.6K_Back Surface 0mm_Thick Battery

DUT: Gobi2000; Type: Gobi2000 PCI Express Mini Card; FCC ID: KDZLXE-FX1WW

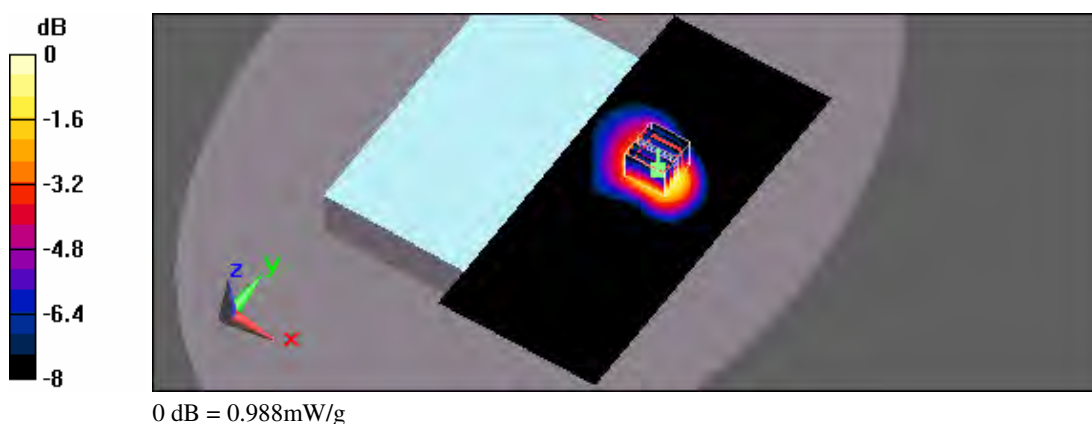
Communication System: 1xEVDO Cellular; Frequency: 836.52 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 837$ MHz; $\sigma = 0.972$ mho/m; $\epsilon_r = 54.5$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV3 - SN3519; ConvF(10.36, 10.36, 10.36); Calibrated: 2/21/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 1/23/2012
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Flat/Area Scan (81x181x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.964 mW/g

Flat/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 6.29 V/m; Power Drift = -0.011 dB
Peak SAR (extrapolated) = 1.22 W/kg
SAR(1 g) = 0.844 mW/g; SAR(10 g) = 0.555 mW/g
Maximum value of SAR (measured) = 0.988 mW/g



Test Laboratory: A Test Lab Techno Corp.
Date/Time: 3/29/2012 1:03:27 PM

Flat_1xEVDO R0 Cell CH777_RTAP 153.6K_Back Surface 0mm_Thick Battery

DUT: Gobi2000; Type: Gobi2000 PCI Express Mini Card; FCC ID: KDZLXE-FX1WW

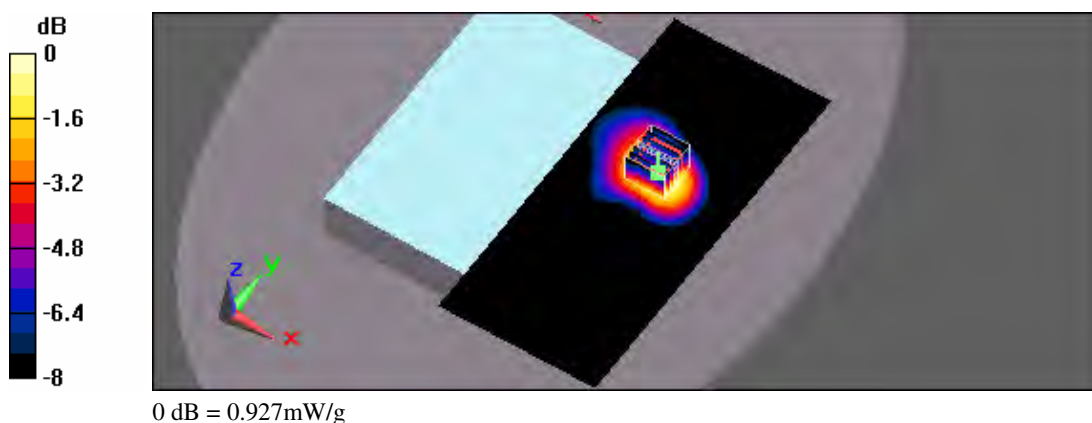
Communication System: 1xEVDO Cellular; Frequency: 848.31 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 848.31$ MHz; $\sigma = 0.985$ mho/m; $\epsilon_r = 54.4$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV3 - SN3519; ConvF(10.36, 10.36, 10.36); Calibrated: 2/21/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 1/23/2012
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Flat/Area Scan (81x181x1): Measurement grid: $dx=15$ mm, $dy=15$ mm
Maximum value of SAR (interpolated) = 0.958 mW/g

Flat/Zoom Scan (7x7x9)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=3$ mm
Reference Value = 6.31 V/m; Power Drift = -0.0035 dB
Peak SAR (extrapolated) = 1.13 W/kg
SAR(1 g) = 0.802 mW/g; SAR(10 g) = 0.528 mW/g
Maximum value of SAR (measured) = 0.927 mW/g



Test Laboratory: A Test Lab Techno Corp.
Date/Time: 3/29/2012 3:04:57 PM

Flat_1xEVDO R0 Cell CH1013_RTAP 153.6K_Back Surface 0mm_Thick Battery_Hand Strap

DUT: Gobi2000; Type: Gobi2000 PCI Express Mini Card; FCC ID: KDZLXE-FX1WW

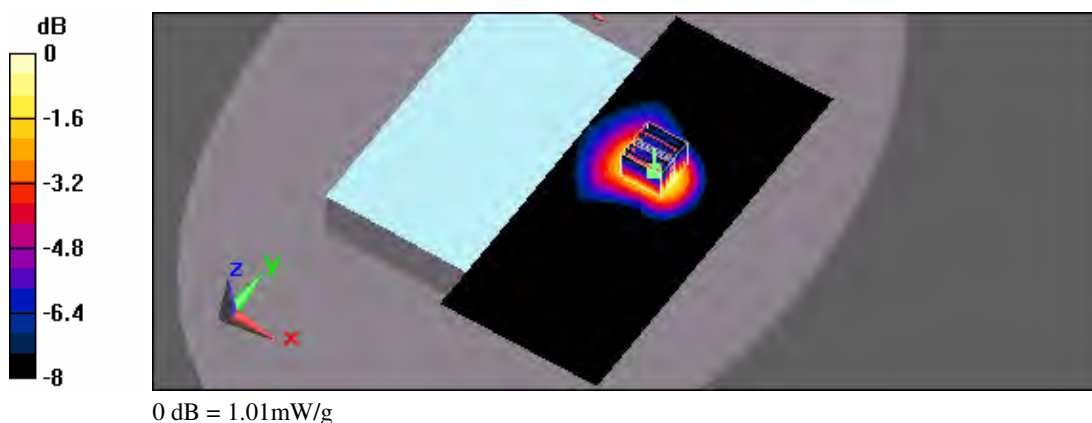
Communication System: 1xEVDO Cellular; Frequency: 824.7 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 825 \text{ MHz}$; $\sigma = 0.959 \text{ mho/m}$; $\epsilon_r = 54.6$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV3 - SN3519; ConvF(10.36, 10.36, 10.36); Calibrated: 2/21/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 1/23/2012
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Flat/Area Scan (81x181x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Maximum value of SAR (interpolated) = 1.05 mW/g

Flat/Zoom Scan (7x7x9)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=3\text{mm}$
Reference Value = 9.8 V/m; Power Drift = -0.094 dB
Peak SAR (extrapolated) = 1.24 W/kg
SAR(1 g) = 0.869 mW/g; SAR(10 g) = 0.573 mW/g
Maximum value of SAR (measured) = 1.01 mW/g



Test Laboratory: A Test Lab Techno Corp.
Date/Time: 3/29/2012 2:27:30 PM

Flat_1xEVDO R0 Cell CH384_RTAP 153.6K_Back Surface 0mm_Thick Battery_Hand Strap

DUT: Gobi2000; Type: Gobi2000 PCI Express Mini Card; FCC ID: KDZLXE-FX1WW

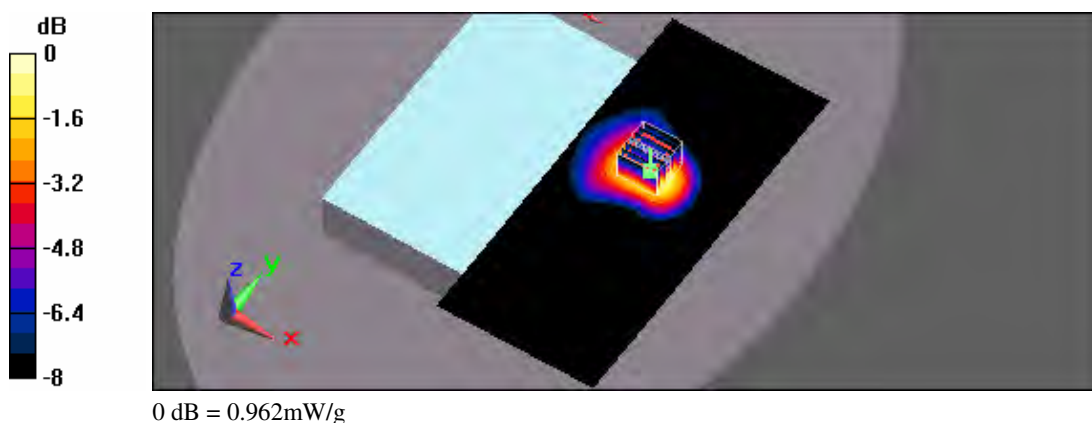
Communication System: 1xEVDO Cellular; Frequency: 836.52 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 837$ MHz; $\sigma = 0.972$ mho/m; $\epsilon_r = 54.5$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV3 - SN3519; ConvF(10.36, 10.36, 10.36); Calibrated: 2/21/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 1/23/2012
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Flat/Area Scan (81x181x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.967 mW/g

Flat/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 9.22 V/m; Power Drift = -0.037 dB
Peak SAR (extrapolated) = 1.17 W/kg
SAR(1 g) = 0.827 mW/g; SAR(10 g) = 0.547 mW/g
Maximum value of SAR (measured) = 0.962 mW/g



Test Laboratory: A Test Lab Techno Corp.
Date/Time: 3/29/2012 3:40:54 PM

Flat_1xEVDO R0 Cell CH777_RTAP 153.6K_Back Surface 0mm_Thick Battery_Hand Strap

DUT: Gobi2000; Type: Gobi2000 PCI Express Mini Card; FCC ID: KDZLXE-FX1WW

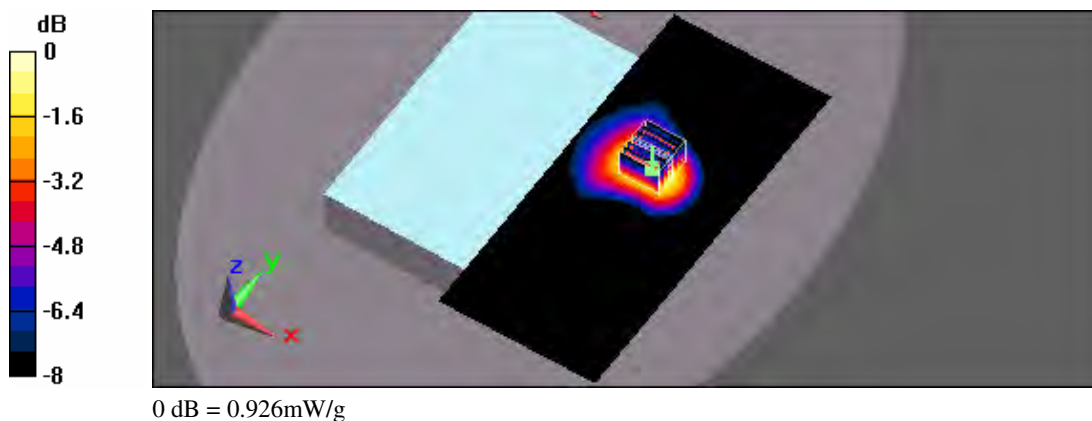
Communication System: 1xEVDO Cellular; Frequency: 848.31 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 848.31$ MHz; $\sigma = 0.985$ mho/m; $\epsilon_r = 54.4$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV3 - SN3519; ConvF(10.36, 10.36, 10.36); Calibrated: 2/21/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 1/23/2012
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Flat/Area Scan (81x181x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.950 mW/g

Flat/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 9.28 V/m; Power Drift = -0.038 dB
Peak SAR (extrapolated) = 1.13 W/kg
SAR(1 g) = 0.799 mW/g; SAR(10 g) = 0.527 mW/g
Maximum value of SAR (measured) = 0.926 mW/g



Test Laboratory: A Test Lab Techno Corp.
Date/Time: 3/29/2012 5:05:38 PM

Flat_1xEVDO R0 Cell CH1013_RTAP 153.6K_Back Surface 0mm_Thick Battery_Shoulder strap

DUT: Gobi2000; Type: Gobi2000 PCI Express Mini Card; FCC ID: KDZLXE-FX1WW

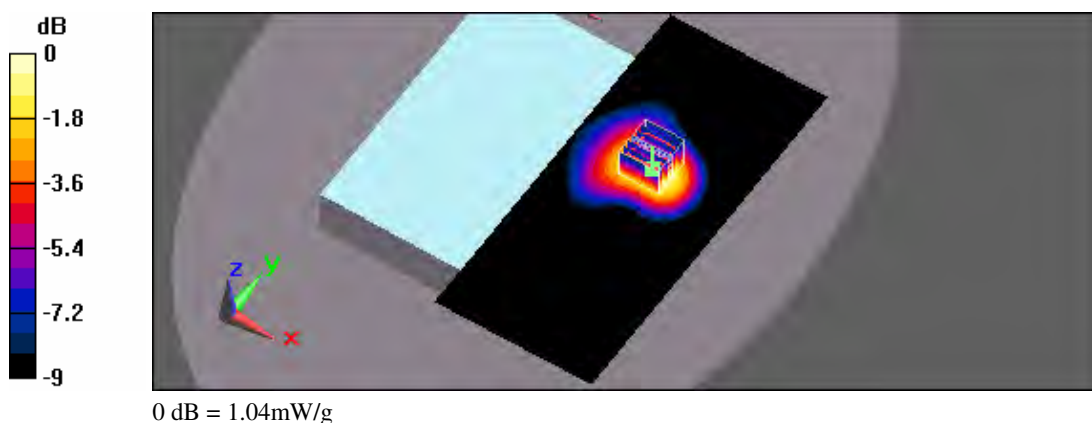
Communication System: 1xEVDO Cellular; Frequency: 824.7 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 825$ MHz; $\sigma = 0.959$ mho/m; $\epsilon_r = 54.6$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV3 - SN3519; ConvF(10.36, 10.36, 10.36); Calibrated: 2/21/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 1/23/2012
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Flat/Area Scan (81x181x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.08 mW/g

Flat/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 9.2 V/m; Power Drift = -0.107 dB
Peak SAR (extrapolated) = 1.27 W/kg
SAR(1 g) = 0.896 mW/g; SAR(10 g) = 0.593 mW/g
Maximum value of SAR (measured) = 1.04 mW/g



Test Laboratory: A Test Lab Techno Corp.
Date/Time: 3/29/2012 4:27:31 PM

Flat_1xEVDO R0 Cell CH384_RTAP 153.6K_Back Surface 0mm_Thick Battery_Shoulder strap

DUT: Gobi2000; Type: Gobi2000 PCI Express Mini Card; FCC ID: KDZLXE-FX1WW

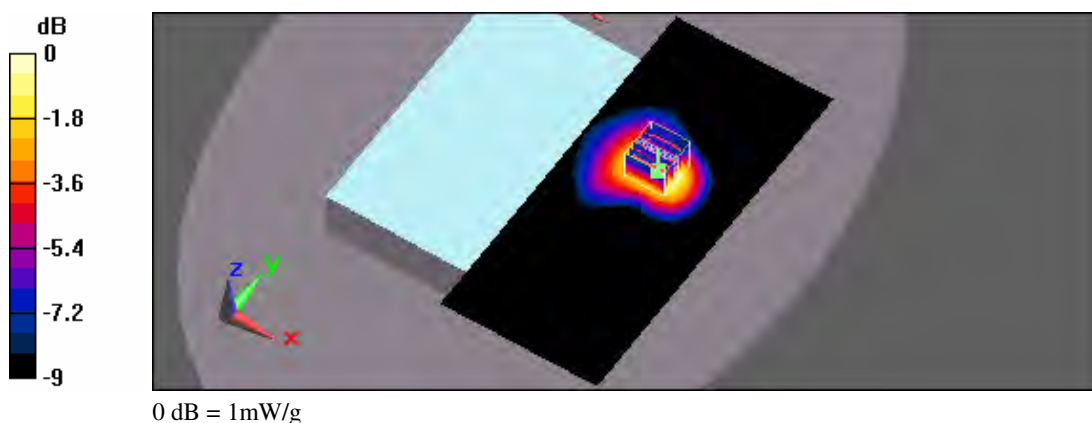
Communication System: 1xEVDO Cellular; Frequency: 836.52 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 837$ MHz; $\sigma = 0.972$ mho/m; $\epsilon_r = 54.5$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV3 - SN3519; ConvF(10.36, 10.36, 10.36); Calibrated: 2/21/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 1/23/2012
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Flat/Area Scan (81x181x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.991 mW/g

Flat/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 9.15 V/m; Power Drift = -0.139 dB
Peak SAR (extrapolated) = 1.22 W/kg
SAR(1 g) = 0.863 mW/g; SAR(10 g) = 0.570 mW/g
Maximum value of SAR (measured) = 1 mW/g



Test Laboratory: A Test Lab Techno Corp.
Date/Time: 3/29/2012 5:46:24 PM

Flat_1xEVDO R0 Cell CH777_RTAP 153.6K_Back Surface 0mm_Thick Battery_Shoulder strap

DUT: Gobi2000; Type: Gobi2000 PCI Express Mini Card; FCC ID: KDZLXE-FX1WW

Communication System: 1xEVDO Cellular; Frequency: 848.31 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 848.31$ MHz; $\sigma = 0.985$ mho/m; $\epsilon_r = 54.4$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV3 - SN3519; ConvF(10.36, 10.36, 10.36); Calibrated: 2/21/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 1/23/2012
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Flat/Area Scan (81x181x1): Measurement grid: $dx=15$ mm, $dy=15$ mm
Maximum value of SAR (interpolated) = 0.966 mW/g

Flat/Zoom Scan (7x7x9)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=3$ mm
Reference Value = 9.63 V/m; Power Drift = 0.026 dB
Peak SAR (extrapolated) = 1.2 W/kg
SAR(1 g) = 0.833 mW/g; SAR(10 g) = 0.546 mW/g
Maximum value of SAR (measured) = 0.980 mW/g



Test Laboratory: A Test Lab Techno Corp.
Date/Time: 3/30/2012 12:39:30 PM

Flat_1xEVDO RA Cell CH384_RETAP Payload size 4096 bits_Front Surface 0mm_Hip pad Battery

DUT: Gobi2000; Type: Gobi2000 PCI Express Mini Card; FCC ID: KDZLXE-FX1WW

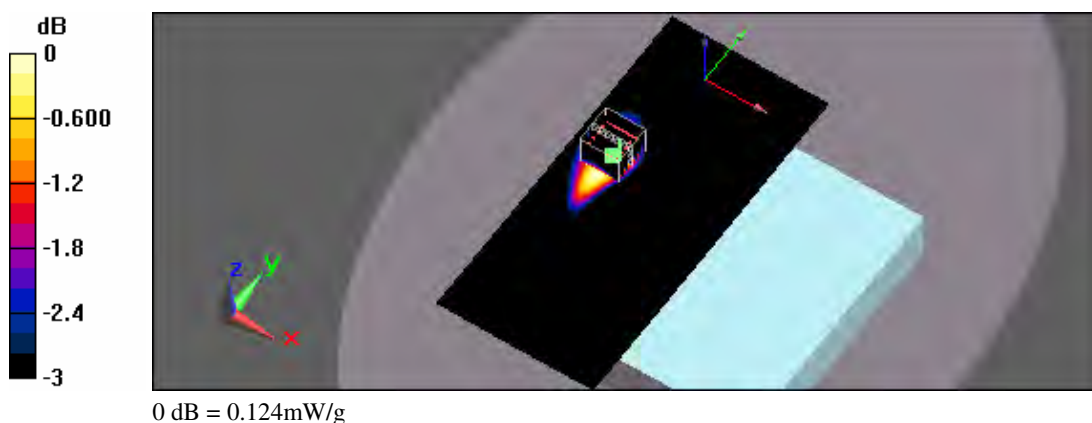
Communication System: 1xEVDO Cellular; Frequency: 836.52 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 837$ MHz; $\sigma = 0.972$ mho/m; $\epsilon_r = 54.5$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV3 - SN3519; ConvF(10.36, 10.36, 10.36); Calibrated: 2/21/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 1/23/2012
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Flat/Area Scan (81x181x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.126 mW/g

Flat/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 1.59 V/m; Power Drift = 0.119 dB
Peak SAR (extrapolated) = 0.164 W/kg
SAR(1 g) = 0.104 mW/g; SAR(10 g) = 0.069 mW/g
Maximum value of SAR (measured) = 0.124 mW/g



Test Laboratory: A Test Lab Techno Corp.
Date/Time: 3/30/2012 12:02:28 PM

Flat_1xEVDO RA Cell CH384_RETAP Payload size 4096 bits_Front Surface 0mm_Hip pad Battery_Hand Strap

DUT: Gobi2000; Type: Gobi2000 PCI Express Mini Card; FCC ID: KDZLXE-FX1WW

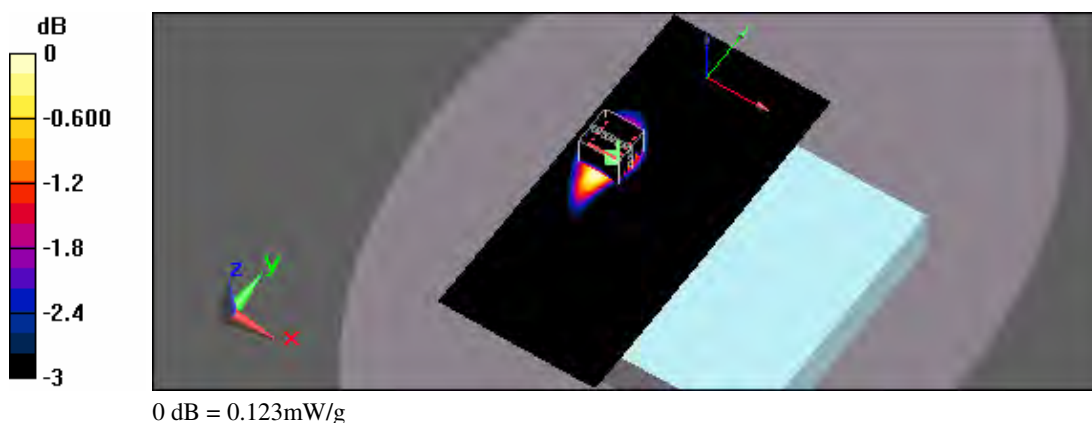
Communication System: 1xEVDO Cellular; Frequency: 836.52 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 837$ MHz; $\sigma = 0.972$ mho/m; $\epsilon_r = 54.5$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV3 - SN3519; ConvF(10.36, 10.36, 10.36); Calibrated: 2/21/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 1/23/2012
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Flat/Area Scan (81x181x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.128 mW/g

Flat/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 1.4 V/m; Power Drift = -0.030 dB
Peak SAR (extrapolated) = 0.165 W/kg
SAR(1 g) = 0.106 mW/g; SAR(10 g) = 0.070 mW/g
Maximum value of SAR (measured) = 0.123 mW/g



Test Laboratory: A Test Lab Techno Corp.
Date/Time: 3/30/2012 11:21:12 AM

Flat_1xEVDO RA Cell CH384_RETAP Payload size 4096 bits_Front Surface 0mm_Hip pad Battery_Shoulder strap

DUT: Gobi2000; Type: Gobi2000 PCI Express Mini Card; FCC ID: KDZLXE-FX1WW

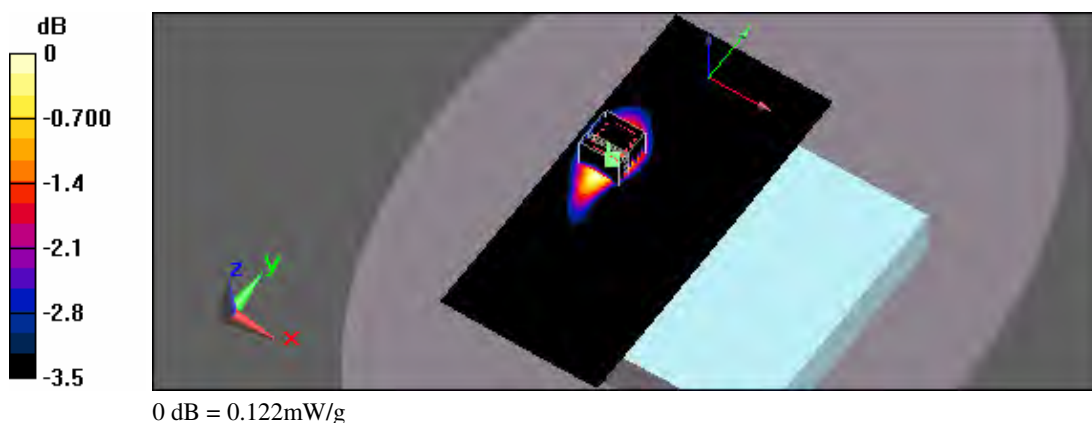
Communication System: 1xEVDO Cellular; Frequency: 836.52 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 837$ MHz; $\sigma = 0.972$ mho/m; $\epsilon_r = 54.5$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV3 - SN3519; ConvF(10.36, 10.36, 10.36); Calibrated: 2/21/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 1/23/2012
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Flat/Area Scan (81x181x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.126 mW/g

Flat/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 1.53 V/m; Power Drift = 0.188 dB
Peak SAR (extrapolated) = 0.168 W/kg
SAR(1 g) = 0.105 mW/g; SAR(10 g) = 0.069 mW/g
Maximum value of SAR (measured) = 0.122 mW/g



Test Laboratory: A Test Lab Techno Corp.
Date/Time: 3/30/2012 1:52:19 AM

Flat_1xEVDO RA Cell CH384_RETAP Payload size 4096 bits_Front Surface 0mm_Thick Battery

DUT: Gobi2000; Type: Gobi2000 PCI Express Mini Card; FCC ID: KDZLXE-FX1WW

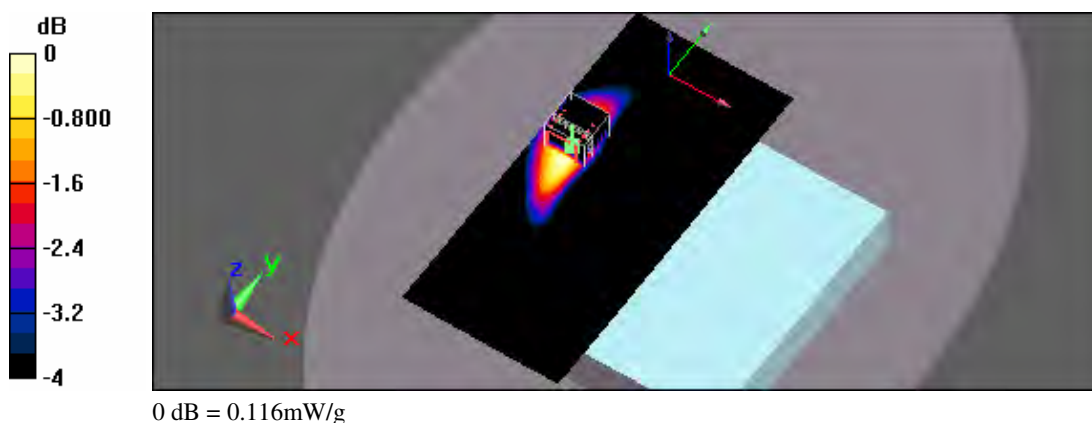
Communication System: 1xEVDO Cellular; Frequency: 836.52 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 837$ MHz; $\sigma = 0.972$ mho/m; $\epsilon_r = 54.5$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV3 - SN3519; ConvF(10.36, 10.36, 10.36); Calibrated: 2/21/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 1/23/2012
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Flat/Area Scan (81x181x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.119 mW/g

Flat/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 1.92 V/m; Power Drift = 0.187 dB
Peak SAR (extrapolated) = 0.150 W/kg
SAR(1 g) = 0.101 mW/g; SAR(10 g) = 0.069 mW/g
Maximum value of SAR (measured) = 0.116 mW/g



Test Laboratory: A Test Lab Techno Corp.
Date/Time: 3/30/2012 10:35:55 AM

Flat_1xEVDO RA Cell CH384_RETAP Payload size 4096 bits_Front Surface 0mm_Thick Battery_Hand Strap

DUT: Gobi2000; Type: Gobi2000 PCI Express Mini Card; FCC ID: KDZLXE-FX1WW

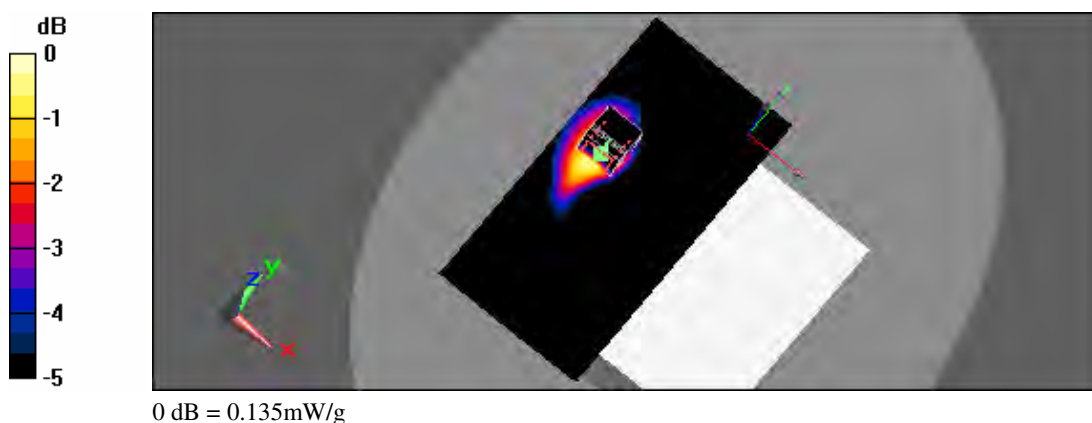
Communication System: 1xEVDO Cellular; Frequency: 836.52 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 837$ MHz; $\sigma = 0.972$ mho/m; $\epsilon_r = 54.5$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV3 - SN3519; ConvF(10.36, 10.36, 10.36); Calibrated: 2/21/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 1/23/2012
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Flat/Area Scan (81x181x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.132 mW/g

Flat/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 1.84 V/m; Power Drift = -0.055 dB
Peak SAR (extrapolated) = 0.173 W/kg
SAR(1 g) = 0.112 mW/g; SAR(10 g) = 0.073 mW/g
Maximum value of SAR (measured) = 0.135 mW/g



Test Laboratory: A Test Lab Techno Corp.
Date/Time: 3/30/2012 4:38:14 AM

Flat_1xEVDO RA Cell CH384_RETAP Payload size 4096 bits_Front Surface 0mm_Thick Battery_Shoulder strap

DUT: Gobi2000; Type: Gobi2000 PCI Express Mini Card; FCC ID: KDZLXE-FX1WW

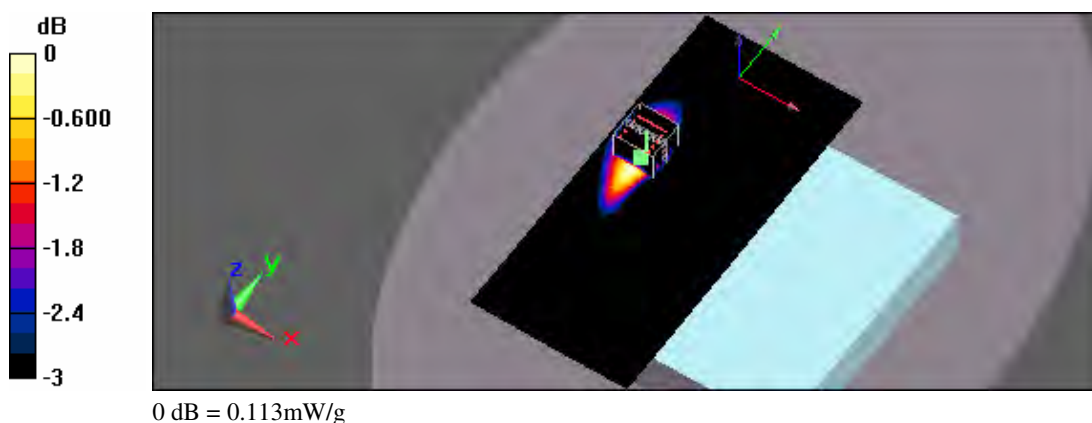
Communication System: 1xEVDO Cellular; Frequency: 836.52 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 837$ MHz; $\sigma = 0.972$ mho/m; $\epsilon_r = 54.5$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV3 - SN3519; ConvF(10.36, 10.36, 10.36); Calibrated: 2/21/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 1/23/2012
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Flat/Area Scan (81x181x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.120 mW/g

Flat/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 1.18 V/m; Power Drift = -0.171 dB
Peak SAR (extrapolated) = 0.148 W/kg
SAR(1 g) = 0.096 mW/g; SAR(10 g) = 0.064 mW/g
Maximum value of SAR (measured) = 0.113 mW/g



Test Laboratory: A Test Lab Techno Corp.
Date/Time: 3/30/2012 3:33:33 PM

Flat_1xEVDO RA Cell CH384_RETAP Payload size 4096 bits_Back Surface 0mm_Hip pa Battery

DUT: Gobi2000; Type: Gobi2000 PCI Express Mini Card; FCC ID: KDZLXE-FX1WW

Communication System: 1xEVDO Cellular; Frequency: 836.52 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 837$ MHz; $\sigma = 0.972$ mho/m; $\epsilon_r = 54.5$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV3 - SN3519; ConvF(10.36, 10.36, 10.36); Calibrated: 2/21/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 1/23/2012
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Flat/Area Scan (81x181x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.711 mW/g

Flat/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 5.01 V/m; Power Drift = -0.183 dB
Peak SAR (extrapolated) = 0.881 W/kg
SAR(1 g) = 0.601 mW/g; SAR(10 g) = 0.389 mW/g
Maximum value of SAR (measured) = 0.691 mW/g



Test Laboratory: A Test Lab Techno Corp.
Date/Time: 3/30/2012 2:00:06 PM

Flat_1xEVDO RA Cell CH384_RETAP Payload size 4096 bits_Back Surface 0mm_Hip pad Battery_Hand Strap

DUT: Gobi2000; Type: Gobi2000 PCI Express Mini Card; FCC ID: KDZLXE-FX1WW

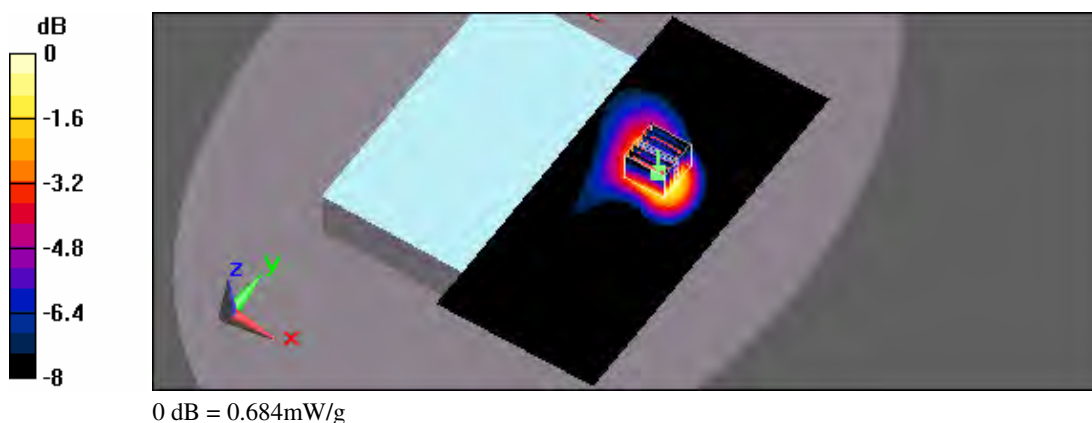
Communication System: 1xEVDO Cellular; Frequency: 836.52 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 837$ MHz; $\sigma = 0.972$ mho/m; $\epsilon_r = 54.5$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV3 - SN3519; ConvF(10.36, 10.36, 10.36); Calibrated: 2/21/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 1/23/2012
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Flat/Area Scan (81x181x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.718 mW/g

Flat/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 6.2 V/m; Power Drift = 0.045 dB
Peak SAR (extrapolated) = 0.847 W/kg
SAR(1 g) = 0.588 mW/g; SAR(10 g) = 0.383 mW/g
Maximum value of SAR (measured) = 0.684 mW/g



Test Laboratory: A Test Lab Techno Corp.
Date/Time: 3/30/2012 2:38:05 PM

Flat_1xEVDO RA Cell CH384_RETAP Payload size 4096 bits_Back Surface 0mm_Hip pad Battery_Shoulder strap

DUT: Gobi2000; Type: Gobi2000 PCI Express Mini Card; FCC ID: KDZLXE-FX1WW

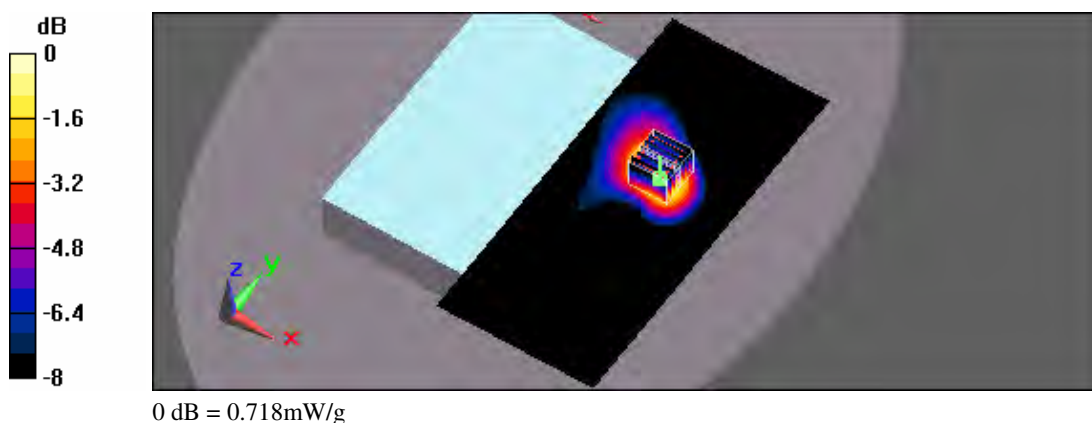
Communication System: 1xEVDO Cellular; Frequency: 836.52 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 837$ MHz; $\sigma = 0.972$ mho/m; $\epsilon_r = 54.5$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV3 - SN3519; ConvF(10.36, 10.36, 10.36); Calibrated: 2/21/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 1/23/2012
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Flat/Area Scan (81x181x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.691 mW/g

Flat/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 4.94 V/m; Power Drift = 0.069 dB
Peak SAR (extrapolated) = 0.899 W/kg
SAR(1 g) = 0.619 mW/g; SAR(10 g) = 0.398 mW/g
Maximum value of SAR (measured) = 0.718 mW/g



Test Laboratory: A Test Lab Techno Corp.
Date/Time: 3/30/2012 3:14:54 AM

Flat_1xEVDO RA Cell CH1013_RETAP Payload size 4096 bits_Back Surface 0mm_Thick Battery

DUT: Gobi2000; Type: Gobi2000 PCI Express Mini Card; FCC ID: KDZLXE-FX1WW

Communication System: 1xEVDO Cellular; Frequency: 824.7 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 825$ MHz; $\sigma = 0.959$ mho/m; $\epsilon_r = 54.6$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV3 - SN3519; ConvF(10.36, 10.36, 10.36); Calibrated: 2/21/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 1/23/2012
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Flat/Area Scan (81x181x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1 mW/g

Flat/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 6.4 V/m; Power Drift = 0.084 dB
Peak SAR (extrapolated) = 1.23 W/kg
SAR(1 g) = 0.857 mW/g; SAR(10 g) = 0.563 mW/g
Maximum value of SAR (measured) = 0.995 mW/g



Test Laboratory: A Test Lab Techno Corp.
Date/Time: 3/30/2012 2:30:20 AM

Flat_1xEVDO RA Cell CH384_RETAP Payload size 4096 bits_Back Surface 0mm_Thick Battery

DUT: Gobi2000; Type: Gobi2000 PCI Express Mini Card; FCC ID: KDZLXE-FX1WW

Communication System: 1xEVDO Cellular; Frequency: 836.52 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 837$ MHz; $\sigma = 0.972$ mho/m; $\epsilon_r = 54.5$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV3 - SN3519; ConvF(10.36, 10.36, 10.36); Calibrated: 2/21/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 1/23/2012
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Flat/Area Scan (81x181x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.956 mW/g

Flat/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 6.62 V/m; Power Drift = -0.036 dB
Peak SAR (extrapolated) = 1.27 W/kg
SAR(1 g) = 0.842 mW/g; SAR(10 g) = 0.551 mW/g
Maximum value of SAR (measured) = 1.01 mW/g



Test Laboratory: A Test Lab Techno Corp.
Date/Time: 3/30/2012 3:54:06 AM

Flat_1xEVDO RA Cell CH777_RETAP Payload size 4096 bits_Back Surface 0mm_Thick Battery

DUT: Gobi2000; Type: Gobi2000 PCI Express Mini Card; FCC ID: KDZLXE-FX1WW

Communication System: 1xEVDO Cellular; Frequency: 848.31 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 848.31$ MHz; $\sigma = 0.985$ mho/m; $\epsilon_r = 54.4$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV3 - SN3519; ConvF(10.36, 10.36, 10.36); Calibrated: 2/21/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 1/23/2012
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Flat/Area Scan (81x181x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.969 mW/g

Flat/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 6.73 V/m; Power Drift = -0.105 dB
Peak SAR (extrapolated) = 1.14 W/kg
SAR(1 g) = 0.829 mW/g; SAR(10 g) = 0.545 mW/g
Maximum value of SAR (measured) = 0.967 mW/g



Test Laboratory: A Test Lab Techno Corp.
Date/Time: 3/30/2012 9:15:17 AM

Flat_1xEVDO RA Cell CH1013_RETAP Payload size 4096 bits_Back Surface 0mm_Thick Battery_Hand Strap

DUT: Gobi2000; Type: Gobi2000 PCI Express Mini Card; FCC ID: KDZLXE-FX1WW

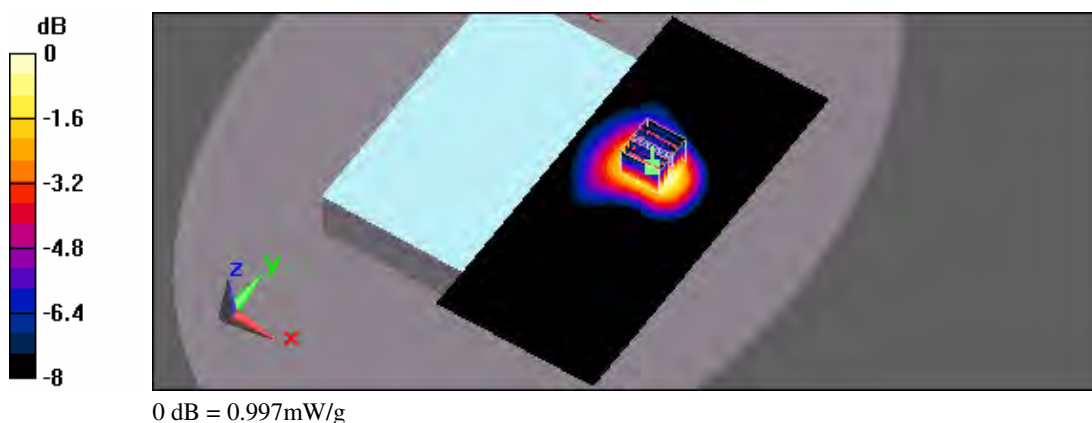
Communication System: 1xEVDO Cellular; Frequency: 824.7 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 825$ MHz; $\sigma = 0.959$ mho/m; $\epsilon_r = 54.6$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV3 - SN3519; ConvF(10.36, 10.36, 10.36); Calibrated: 2/21/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 1/23/2012
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Flat/Area Scan (81x181x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.04 mW/g

Flat/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 8.71 V/m; Power Drift = -0.057 dB
Peak SAR (extrapolated) = 1.25 W/kg
SAR(1 g) = 0.862 mW/g; SAR(10 g) = 0.573 mW/g
Maximum value of SAR (measured) = 0.997 mW/g



Test Laboratory: A Test Lab Techno Corp.
Date/Time: 3/30/2012 6:54:52 AM

Flat_1xEVDO RA Cell CH384_RETAP Payload size 4096 bits_Back Surface 0mm_Thick Battery_Hand Strap

DUT: Gobi2000; Type: Gobi2000 PCI Express Mini Card; FCC ID: KDZLXE-FX1WW

Communication System: 1xEVDO Cellular; Frequency: 836.52 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 837$ MHz; $\sigma = 0.972$ mho/m; $\epsilon_r = 54.5$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV3 - SN3519; ConvF(10.36, 10.36, 10.36); Calibrated: 2/21/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 1/23/2012
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Flat/Area Scan (81x181x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.965 mW/g

Flat/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 6.19 V/m; Power Drift = -0.078 dB
Peak SAR (extrapolated) = 1.17 W/kg
SAR(1 g) = 0.817 mW/g; SAR(10 g) = 0.534 mW/g
Maximum value of SAR (measured) = 0.965 mW/g



Test Laboratory: A Test Lab Techno Corp.
Date/Time: 3/30/2012 6:10:25 AM

Flat_1xEVDO RA Cell CH777_RETAP Payload size 4096 bits_Back Surface 0mm_Thick Battery_Hand Strap

DUT: Gobi2000; Type: Gobi2000 PCI Express Mini Card; FCC ID: KDZLXE-FX1WW

Communication System: 1xEVDO Cellular; Frequency: 848.31 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 848.31$ MHz; $\sigma = 0.985$ mho/m; $\epsilon_r = 54.4$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV3 - SN3519; ConvF(10.36, 10.36, 10.36); Calibrated: 2/21/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 1/23/2012
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Flat/Area Scan (81x181x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.943 mW/g

Flat/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 6.36 V/m; Power Drift = -0.075 dB
Peak SAR (extrapolated) = 1.18 W/kg
SAR(1 g) = 0.811 mW/g; SAR(10 g) = 0.530 mW/g
Maximum value of SAR (measured) = 0.949 mW/g



Test Laboratory: A Test Lab Techno Corp.
Date/Time: 3/30/2012 8:18:39 AM

Flat_1xEVDO RA Cell CH1013_RETAP Payload size 4096 bits_Back Surface 0mm_Thick Battery_Shoulder strap

DUT: Gobi2000; Type: Gobi2000 PCI Express Mini Card; FCC ID: KDZLXE-FX1WW

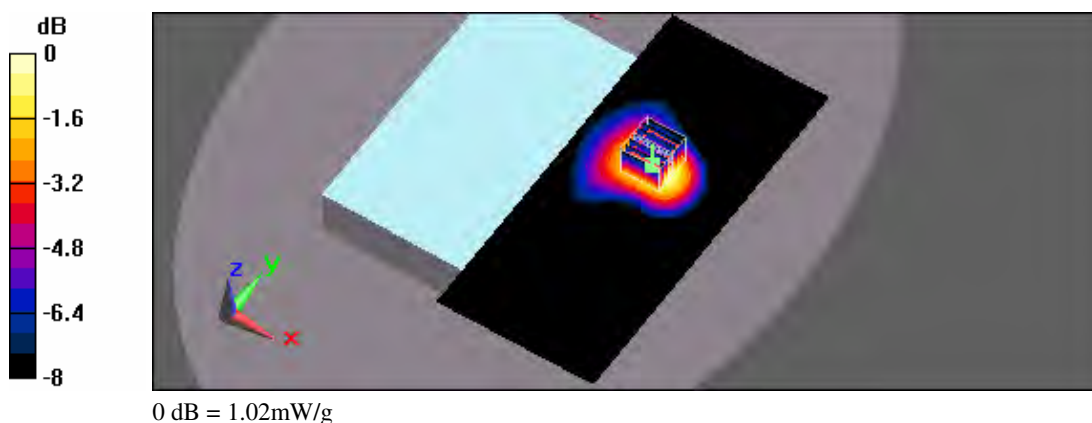
Communication System: 1xEVDO Cellular; Frequency: 824.7 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 825 \text{ MHz}$; $\sigma = 0.959 \text{ mho/m}$; $\epsilon_r = 54.6$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV3 - SN3519; ConvF(10.36, 10.36, 10.36); Calibrated: 2/21/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 1/23/2012
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Flat/Area Scan (81x181x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Maximum value of SAR (interpolated) = 1.03 mW/g

Flat/Zoom Scan (7x7x9)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=3\text{mm}$
Reference Value = 8.81 V/m; Power Drift = -0.168 dB
Peak SAR (extrapolated) = 1.24 W/kg
SAR(1 g) = 0.886 mW/g; SAR(10 g) = 0.589 mW/g
Maximum value of SAR (measured) = 1.02 mW/g



Test Laboratory: A Test Lab Techno Corp.
Date/Time: 3/30/2012 7:34:03 AM

Flat_1xEVDO RA Cell CH384_RETAP Payload size 4096 bits_Back Surface 0mm_Thick Battery_Shoulder strap

DUT: Gobi2000; Type: Gobi2000 PCI Express Mini Card; FCC ID: KDZLXE-FX1WW

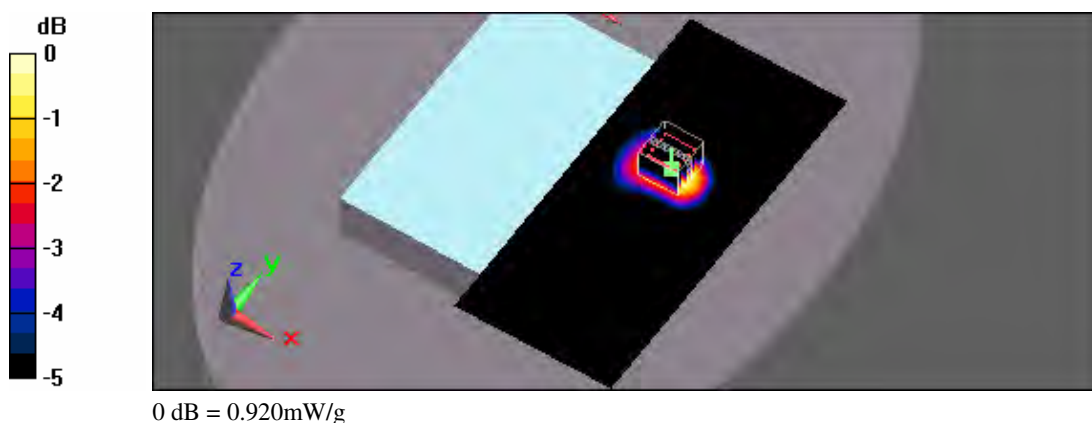
Communication System: 1xEVDO Cellular; Frequency: 836.52 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 837$ MHz; $\sigma = 0.972$ mho/m; $\epsilon_r = 54.5$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV3 - SN3519; ConvF(10.36, 10.36, 10.36); Calibrated: 2/21/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 1/23/2012
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Flat/Area Scan (81x181x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.981 mW/g

Flat/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 8.65 V/m; Power Drift = 0.013 dB
Peak SAR (extrapolated) = 1.18 W/kg
SAR(1 g) = 0.802 mW/g; SAR(10 g) = 0.532 mW/g
Maximum value of SAR (measured) = 0.920 mW/g



Test Laboratory: A Test Lab Techno Corp.
Date/Time: 3/30/2012 5:28:40 AM

Flat_1xEVDO RA Cell CH777_RETAP Payload size 4096 bits_Back Surface 0mm_Thick Battery_Shoulder strap

DUT: Gobi2000; Type: Gobi2000 PCI Express Mini Card; FCC ID: KDZLXE-FX1WW

Communication System: 1xEVDO Cellular; Frequency: 848.31 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 848.31$ MHz; $\sigma = 0.985$ mho/m; $\epsilon_r = 54.4$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV3 - SN3519; ConvF(10.36, 10.36, 10.36); Calibrated: 2/21/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 1/23/2012
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Flat/Area Scan (81x181x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.870 mW/g

Flat/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 10.1 V/m; Power Drift = 0.030 dB
Peak SAR (extrapolated) = 1.06 W/kg
SAR(1 g) = 0.735 mW/g; SAR(10 g) = 0.484 mW/g
Maximum value of SAR (measured) = 0.848 mW/g



Test Laboratory: A Test Lab Techno Corp.
Date/Time: 4/1/2012 1:02:35 AM

Flat_CDMA PCS CH600_RC3 SO55_Front Surface 0mm_Hip pad Battery

DUT: Gobi2000; Type: Gobi2000 PCI Express Mini Card; FCC ID: KDZLXE-FX1WW

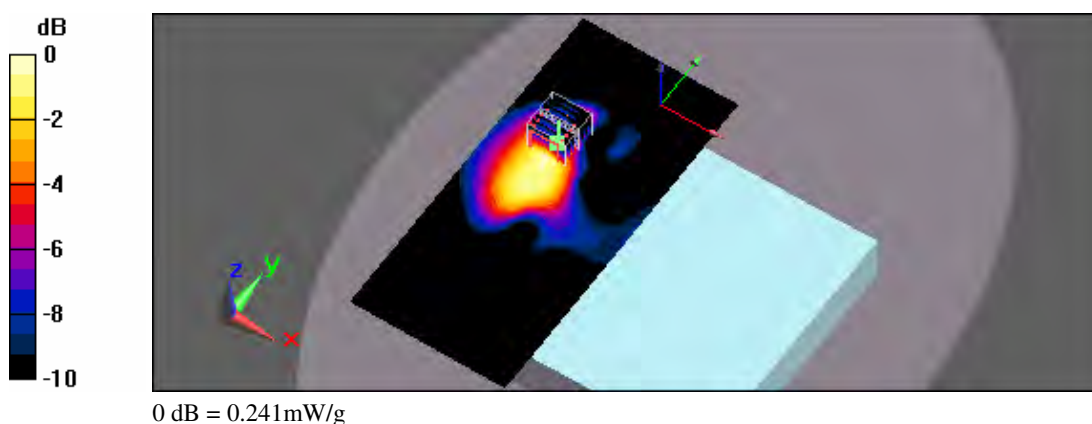
Communication System: CDMA PCS ; Frequency: 1880 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.48 \text{ mho/m}$; $\epsilon_r = 51.4$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV3 - SN3519; ConvF(9.04, 9.04, 9.04); Calibrated: 2/21/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 1/23/2012
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Flat/Area Scan (81x181x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Maximum value of SAR (interpolated) = 0.267 mW/g

Flat/Zoom Scan (7x7x9)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=3\text{mm}$
Reference Value = 3.17 V/m; Power Drift = 0.114 dB
Peak SAR (extrapolated) = 0.329 W/kg
SAR(1 g) = 0.200 mW/g; SAR(10 g) = 0.116 mW/g
Maximum value of SAR (measured) = 0.241 mW/g



Test Laboratory: A Test Lab Techno Corp.
Date/Time: 4/1/2012 3:44:32 AM

Flat_CDMA PCS CH600_RC3 SO55_Front Surface 0mm_Hip pad Battery_Hand Strap

DUT: Gobi2000; Type: Gobi2000 PCI Express Mini Card; FCC ID: KDZLXE-FX1WW

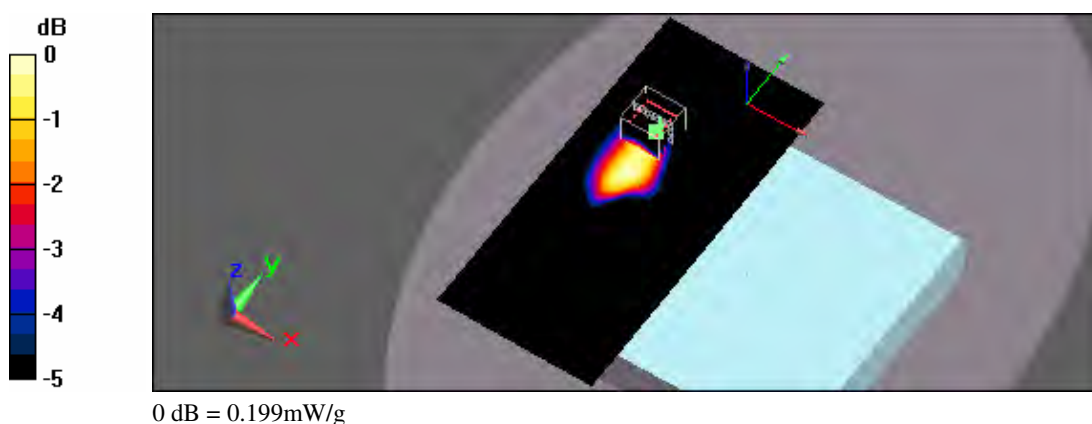
Communication System: CDMA PCS ; Frequency: 1880 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.48 \text{ mho/m}$; $\epsilon_r = 51.4$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV3 - SN3519; ConvF(9.04, 9.04, 9.04); Calibrated: 2/21/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 1/23/2012
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Flat/Area Scan (81x181x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Maximum value of SAR (interpolated) = 0.219 mW/g

Flat/Zoom Scan (7x7x9)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=3\text{mm}$
Reference Value = 3.05 V/m; Power Drift = 0.00608 dB
Peak SAR (extrapolated) = 0.274 W/kg
SAR(1 g) = 0.168 mW/g; SAR(10 g) = 0.098 mW/g
Maximum value of SAR (measured) = 0.199 mW/g



Test Laboratory: A Test Lab Techno Corp.
Date/Time: 4/1/2012 8:10:18 AM

Flat_CDMA PCS CH600_RC3 SO55_Front Surface 0mm_Hip pad Battery_Shoulder strap

DUT: Gobi2000; Type: Gobi2000 PCI Express Mini Card; FCC ID: KDZLXE-FX1WW

Communication System: CDMA PCS ; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.48 \text{ mho/m}$; $\epsilon_r = 51.4$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV3 - SN3519; ConvF(9.04, 9.04, 9.04); Calibrated: 2/21/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 1/23/2012
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 125;SEMCAD X Version 13.4 Build 125

Flat/Area Scan (81x181x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Maximum value of SAR (interpolated) = 0.194 mW/g

Flat/Zoom Scan (7x7x9)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=3\text{mm}$
Reference Value = 3.63 V/m; Power Drift = 0.110 dB
Peak SAR (extrapolated) = 0.254 W/kg
SAR(1 g) = 0.158 mW/g; SAR(10 g) = 0.095 mW/g
Maximum value of SAR (measured) = 0.193 mW/g



Test Laboratory: A Test Lab Techno Corp.
Date/Time: 4/1/2012 1:45:29 AM

Flat_CDMA PCS CH600_RC3 SO55_Front Surface 0mm_Thick Battery

DUT: Gobi2000; Type: Gobi2000 PCI Express Mini Card; FCC ID: KDZLXE-FX1WW

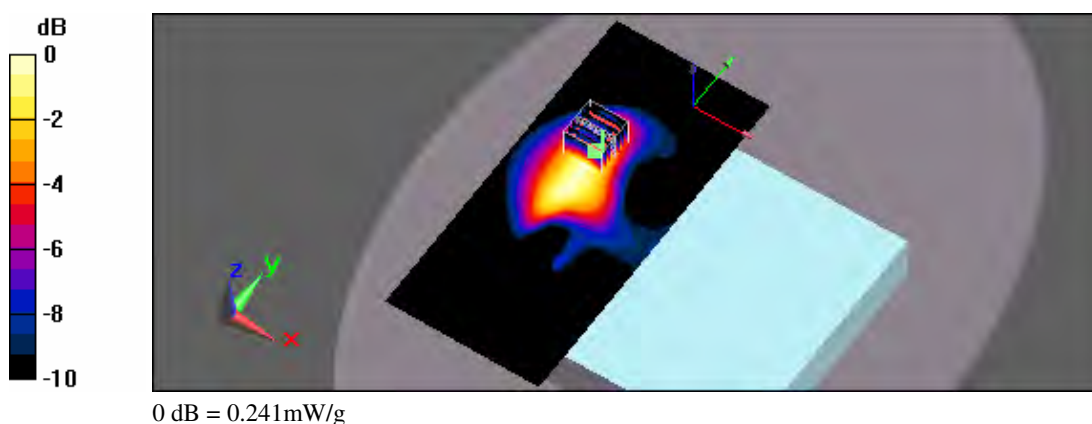
Communication System: CDMA PCS ; Frequency: 1880 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 1880$ MHz; $\sigma = 1.48$ mho/m; $\epsilon_r = 51.4$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV3 - SN3519; ConvF(9.04, 9.04, 9.04); Calibrated: 2/21/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 1/23/2012
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Flat/Area Scan (81x181x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.241 mW/g

Flat/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 3.93 V/m; Power Drift = 0.086 dB
Peak SAR (extrapolated) = 0.333 W/kg
SAR(1 g) = 0.204 mW/g; SAR(10 g) = 0.118 mW/g
Maximum value of SAR (measured) = 0.241 mW/g



Test Laboratory: A Test Lab Techno Corp.
Date/Time: 4/1/2012 4:48:34 AM

Flat_CDMA PCS CH600_RC3 SO55_Front Surface 0mm_Thick Battery_Hand Strap

DUT: Gobi2000; Type: Gobi2000 PCI Express Mini Card; FCC ID: KDZLXE-FX1WW

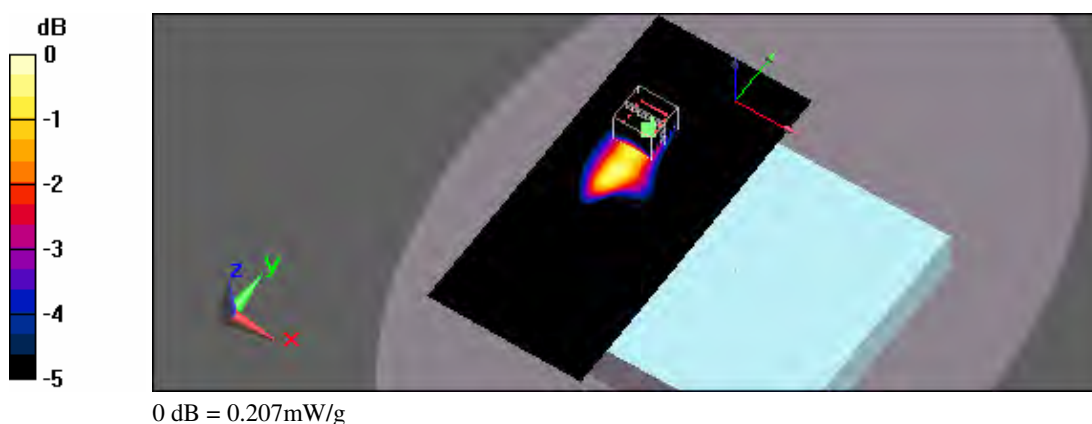
Communication System: CDMA PCS ; Frequency: 1880 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 1880$ MHz; $\sigma = 1.48$ mho/m; $\epsilon_r = 51.4$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV3 - SN3519; ConvF(9.04, 9.04, 9.04); Calibrated: 2/21/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 1/23/2012
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Flat/Area Scan (81x181x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.200 mW/g

Flat/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 3.44 V/m; Power Drift = 0.044 dB
Peak SAR (extrapolated) = 0.281 W/kg
SAR(1 g) = 0.172 mW/g; SAR(10 g) = 0.100 mW/g
Maximum value of SAR (measured) = 0.207 mW/g



Test Laboratory: A Test Lab Techno Corp.
Date/Time: 4/1/2012 8:49:37 AM

Flat_CDMA PCS CH600_RC3 SO55_Front Surface 0mm_Thick Battery_Shoulder strap

DUT: Gobi2000; Type: Gobi2000 PCI Express Mini Card; FCC ID: KDZLXE-FX1WW

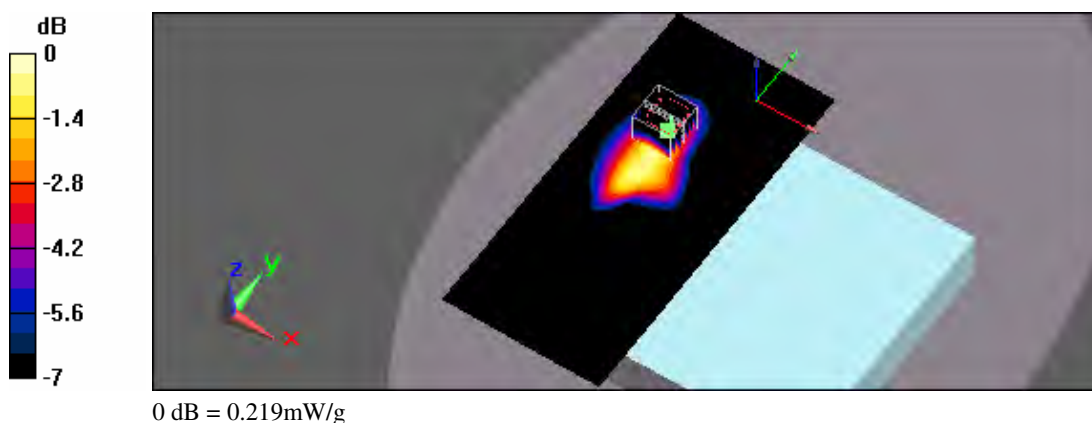
Communication System: CDMA PCS ; Frequency: 1880 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.48 \text{ mho/m}$; $\epsilon_r = 51.4$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV3 - SN3519; ConvF(9.04, 9.04, 9.04); Calibrated: 2/21/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 1/23/2012
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Flat/Area Scan (81x181x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Maximum value of SAR (interpolated) = 0.222 mW/g

Flat/Zoom Scan (7x7x9)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=3\text{mm}$
Reference Value = 3.56 V/m; Power Drift = 0.147 dB
Peak SAR (extrapolated) = 0.293 W/kg
SAR(1 g) = 0.186 mW/g; SAR(10 g) = 0.108 mW/g
Maximum value of SAR (measured) = 0.219 mW/g



Test Laboratory: A Test Lab Techno Corp.
Date/Time: 3/31/2012 10:54:05 PM

Flat_CDMA PCS CH600_RC3 SO55_Back Surface 0mm_Hip pad Battery

DUT: Gobi2000; Type: Gobi2000 PCI Express Mini Card; FCC ID: KDZLXE-FX1WW

Communication System: CDMA PCS ; Frequency: 1880 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 1880$ MHz; $\sigma = 1.48$ mho/m; $\epsilon_r = 51.4$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV3 - SN3519; ConvF(9.04, 9.04, 9.04); Calibrated: 2/21/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 1/23/2012
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Flat/Area Scan (81x181x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.742 mW/g

Flat/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 3.31 V/m; Power Drift = -0.117 dB
Peak SAR (extrapolated) = 0.963 W/kg
SAR(1 g) = 0.617 mW/g; SAR(10 g) = 0.380 mW/g
Maximum value of SAR (measured) = 0.731 mW/g

Flat/Zoom Scan (7x7x9)/Cube 1: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 3.31 V/m; Power Drift = -0.117 dB
Peak SAR (extrapolated) = 0.873 W/kg
SAR(1 g) = 0.507 mW/g; SAR(10 g) = 0.311 mW/g
Maximum value of SAR (measured) = 0.632 mW/g



0 dB = 0.632mW/g

Test Laboratory: A Test Lab Techno Corp.
Date/Time: 4/1/2012 3:03:26 AM

Flat_CDMA PCS CH600_RC3 SO55_Back Surface 0mm_Hip pad Battery_Hand Strap

DUT: Gobi2000; Type: Gobi2000 PCI Express Mini Card; FCC ID: KDZLXE-FX1WW

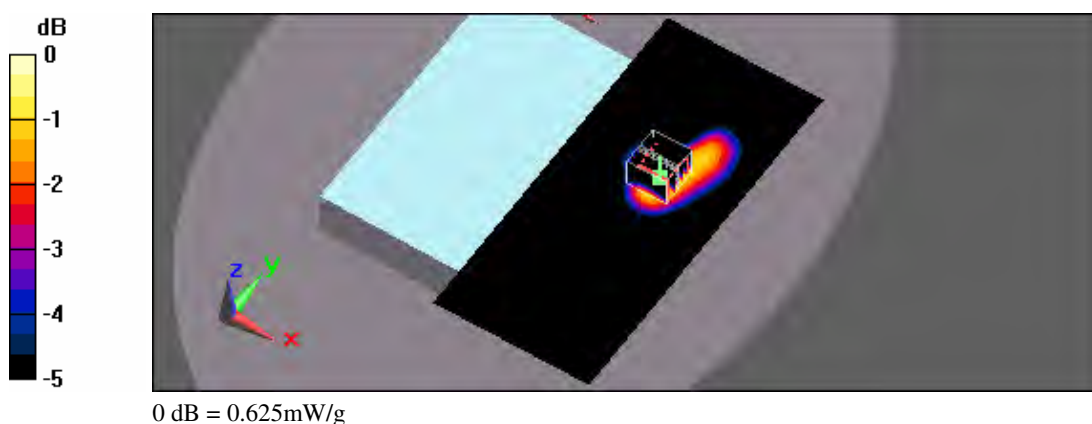
Communication System: CDMA PCS ; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium parameters used: $f = 1880$ MHz; $\sigma = 1.48$ mho/m; $\epsilon_r = 51.4$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV3 - SN3519; ConvF(9.04, 9.04, 9.04); Calibrated: 2/21/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 1/23/2012
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 125;SEMCAD X Version 13.4 Build 125

Flat/Area Scan (81x181x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.638 mW/g

Flat/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 3.15 V/m; Power Drift = 0.125 dB
Peak SAR (extrapolated) = 0.834 W/kg
SAR(1 g) = 0.524 mW/g; SAR(10 g) = 0.323 mW/g
Maximum value of SAR (measured) = 0.625 mW/g



Test Laboratory: A Test Lab Techno Corp.
Date/Time: 4/1/2012 7:10:38 AM

Flat_CDMA PCS CH600_RC3 SO55_Back Surface 0mm_Hip pad Battery_Shoulder strap

DUT: Gobi2000; Type: Gobi2000 PCI Express Mini Card; FCC ID: KDZLXE-FX1WW

Communication System: CDMA PCS ; Frequency: 1880 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 1880$ MHz; $\sigma = 1.48$ mho/m; $\epsilon_r = 51.4$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASYS (IEEE/IEC)

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV3 - SN3519; ConvF(9.04, 9.04, 9.04); Calibrated: 2/21/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 1/23/2012
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASYS, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Flat/Area Scan (81x181x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.702 mW/g

Flat/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 3.21 V/m; Power Drift = -0.066 dB
Peak SAR (extrapolated) = 0.916 W/kg
SAR(1 g) = 0.579 mW/g; SAR(10 g) = 0.360 mW/g
Maximum value of SAR (measured) = 0.680 mW/g

Flat/Zoom Scan (7x7x9)/Cube 1: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 3.21 V/m; Power Drift = -0.066 dB
Peak SAR (extrapolated) = 0.799 W/kg
SAR(1 g) = 0.459 mW/g; SAR(10 g) = 0.278 mW/g
Maximum value of SAR (measured) = 0.576 mW/g



0 dB = 0.576mW/g

Test Laboratory: A Test Lab Techno Corp.
Date/Time: 3/31/2012 11:57:39 PM

Flat_CDMA PCS CH600_RC3 SO55_Back Surface 0mm_Thick Battery

DUT: Gobi2000; Type: Gobi2000 PCI Express Mini Card; FCC ID: KDZLXE-FX1WW

Communication System: CDMA PCS ; Frequency: 1880 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 1880$ MHz; $\sigma = 1.48$ mho/m; $\epsilon_r = 51.4$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

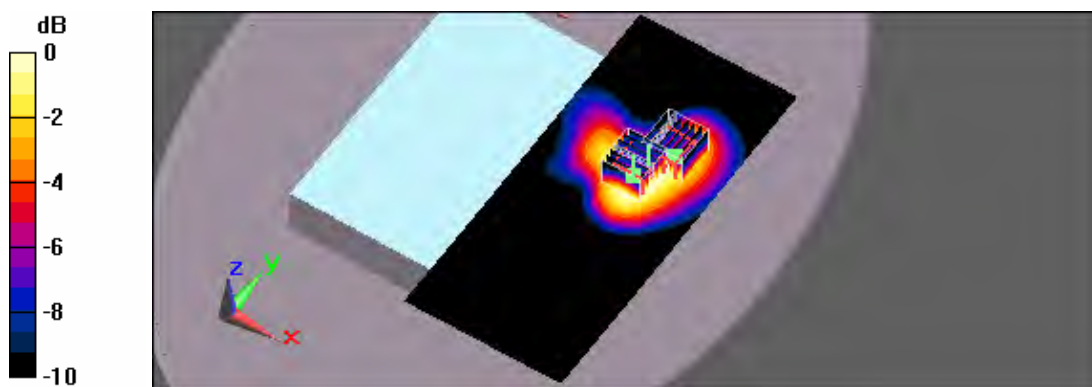
DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV3 - SN3519; ConvF(9.04, 9.04, 9.04); Calibrated: 2/21/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 1/23/2012
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Flat/Area Scan (81x181x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.718 mW/g

Flat/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 4.25 V/m; Power Drift = -0.070 dB
Peak SAR (extrapolated) = 0.961 W/kg
SAR(1 g) = 0.596 mW/g; SAR(10 g) = 0.365 mW/g
Maximum value of SAR (measured) = 0.718 mW/g

Flat/Zoom Scan (7x7x9)/Cube 1: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 4.25 V/m; Power Drift = -0.070 dB
Peak SAR (extrapolated) = 0.790 W/kg
SAR(1 g) = 0.488 mW/g; SAR(10 g) = 0.300 mW/g
Maximum value of SAR (measured) = 0.616 mW/g



0 dB = 0.616mW/g

Test Laboratory: A Test Lab Techno Corp.
Date/Time: 4/1/2012 5:27:56 AM

Flat_CDMA PCS CH600_RC3 SO55_Back Surface 0mm_Thick Battery_Hand Strap

DUT: Gobi2000; Type: Gobi2000 PCI Express Mini Card; FCC ID: KDZLXE-FX1WW

Communication System: CDMA PCS ; Frequency: 1880 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 1880$ MHz; $\sigma = 1.48$ mho/m; $\epsilon_r = 51.4$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV3 - SN3519; ConvF(9.04, 9.04, 9.04); Calibrated: 2/21/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 1/23/2012
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Flat/Area Scan (81x181x1): Measurement grid: $dx=15$ mm, $dy=15$ mm
Maximum value of SAR (interpolated) = 0.657 mW/g

Flat/Zoom Scan (7x7x9)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=3$ mm
Reference Value = 3.57 V/m; Power Drift = 0.048 dB
Peak SAR (extrapolated) = 0.887 W/kg
SAR(1 g) = 0.560 mW/g; SAR(10 g) = 0.348 mW/g
Maximum value of SAR (measured) = 0.664 mW/g

Flat/Zoom Scan (7x7x9)/Cube 1: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=3$ mm
Reference Value = 3.57 V/m; Power Drift = 0.048 dB
Peak SAR (extrapolated) = 0.855 W/kg
SAR(1 g) = 0.483 mW/g; SAR(10 g) = 0.298 mW/g
Maximum value of SAR (measured) = 0.625 mW/g



0 dB = 0.625mW/g

Test Laboratory: A Test Lab Techno Corp.
Date/Time: 4/1/2012 6:28:27 AM

Flat_CDMA PCS CH600_RC3 SO55_Back Surface 0mm_Thick Battery_Shoulder strap

DUT: Gobi2000; Type: Gobi2000 PCI Express Mini Card; FCC ID: KDZLXE-FX1WW

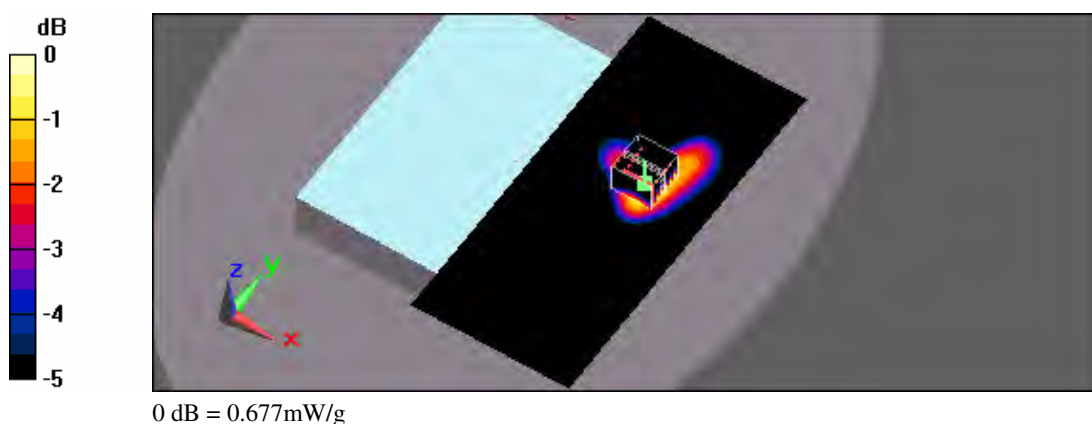
Communication System: CDMA PCS ; Frequency: 1880 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 1880$ MHz; $\sigma = 1.48$ mho/m; $\epsilon_r = 51.4$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV3 - SN3519; ConvF(9.04, 9.04, 9.04); Calibrated: 2/21/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 1/23/2012
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Flat/Area Scan (81x181x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.684 mW/g

Flat/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 4 V/m; Power Drift = -0.037 dB
Peak SAR (extrapolated) = 0.858 W/kg
SAR(1 g) = 0.571 mW/g; SAR(10 g) = 0.353 mW/g
Maximum value of SAR (measured) = 0.677 mW/g



Test Laboratory: A Test Lab Techno Corp.
Date/Time: 4/1/2012 11:46:43 AM

Flat_1xRTT PCS CH600_RC3 SO32_Front Surface 0mm_Hip pad Battery

DUT: Gobi2000; Type: Gobi2000 PCI Express Mini Card; FCC ID: KDZLXE-FX1WW

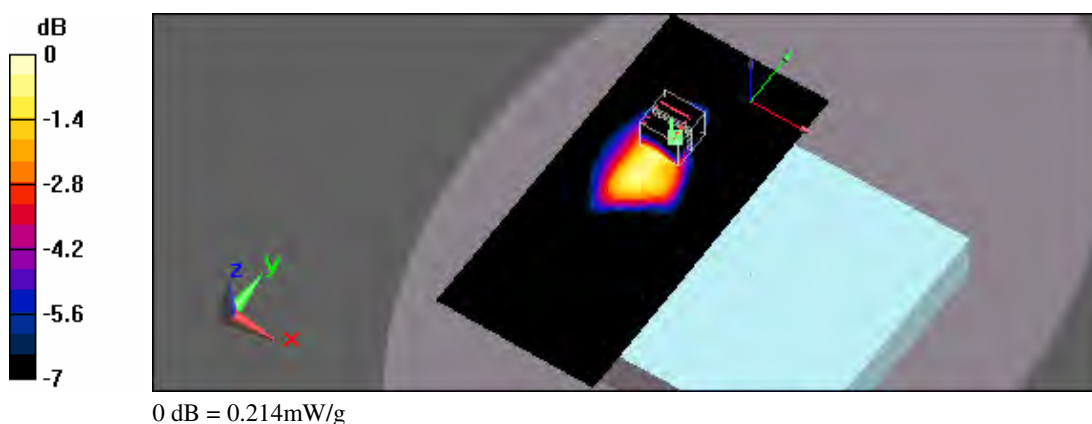
Communication System: CDMA 1xRTT PCS ; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.48 \text{ mho/m}$; $\epsilon_r = 51.4$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV3 - SN3519; ConvF(9.04, 9.04, 9.04); Calibrated: 2/21/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 1/23/2012
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 125;SEMCAD X Version 13.4 Build 125

Flat/Area Scan (81x181x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Maximum value of SAR (interpolated) = 0.218 mW/g

Flat/Zoom Scan (7x7x9)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=3\text{mm}$
Reference Value = 3.76 V/m; Power Drift = 0.00876 dB
Peak SAR (extrapolated) = 0.278 W/kg
SAR(1 g) = 0.177 mW/g; SAR(10 g) = 0.105 mW/g
Maximum value of SAR (measured) = 0.214 mW/g



Test Laboratory: A Test Lab Techno Corp.
Date/Time: 4/1/2012 12:25:57 PM

Flat_1xRTT PCS CH600_RC3 SO32_Front Surface 0mm_Hip pad Battery_Hand Strap

DUT: Gobi2000; Type: Gobi2000 PCI Express Mini Card; FCC ID: KDZLXE-FX1WW

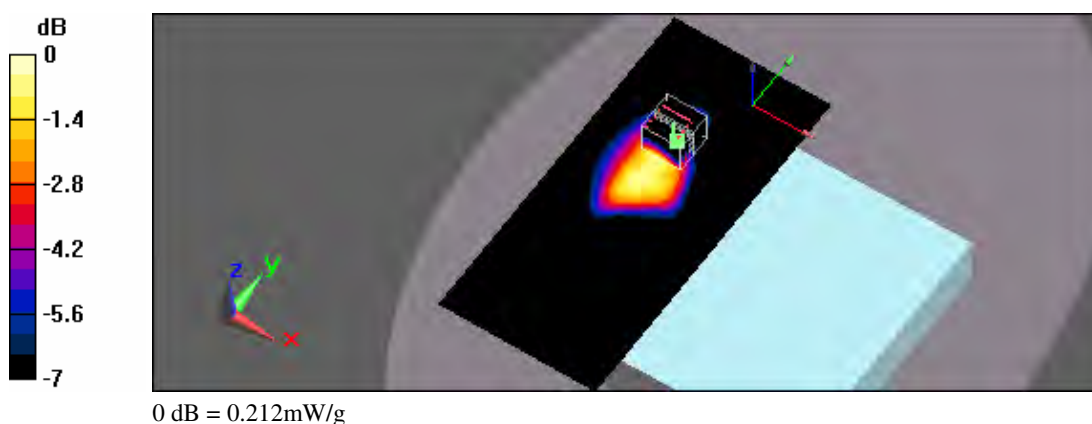
Communication System: CDMA 1xRTT PCS ; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.48 \text{ mho/m}$; $\epsilon_r = 51.4$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV3 - SN3519; ConvF(9.04, 9.04, 9.04); Calibrated: 2/21/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 1/23/2012
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 125;SEMCAD X Version 13.4 Build 125

Flat/Area Scan (81x181x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Maximum value of SAR (interpolated) = 0.214 mW/g

Flat/Zoom Scan (7x7x9)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=3\text{mm}$
Reference Value = 3.75 V/m; Power Drift = 0.152 dB
Peak SAR (extrapolated) = 0.277 W/kg
SAR(1 g) = 0.175 mW/g; SAR(10 g) = 0.104 mW/g
Maximum value of SAR (measured) = 0.212 mW/g



Test Laboratory: A Test Lab Techno Corp.
Date/Time: 4/1/2012 1:02:53 PM

Flat_1xRTT PCS CH600_RC3 SO32_Front Surface 0mm_Hip pad Battery_Shoulder strap

DUT: Gobi2000; Type: Gobi2000 PCI Express Mini Card; FCC ID: KDZLXE-FX1WW

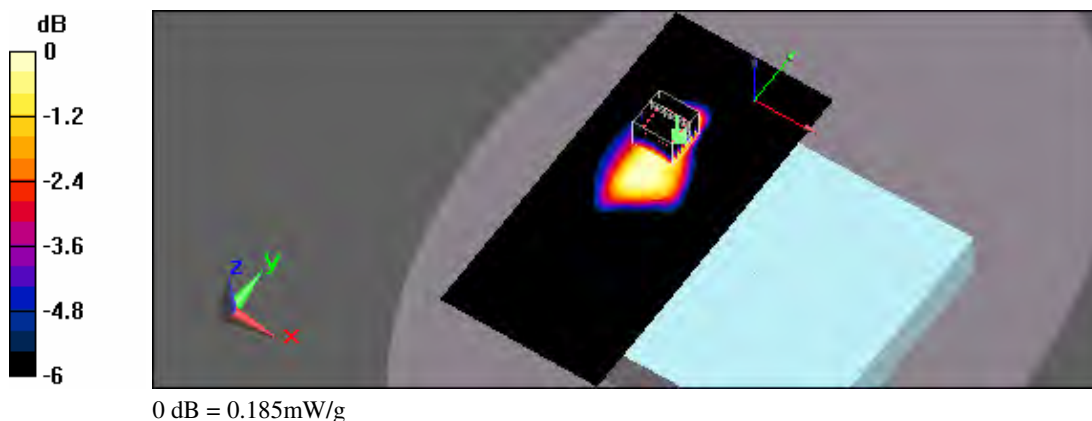
Communication System: CDMA 1xRTT PCS ; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.48 \text{ mho/m}$; $\epsilon_r = 51.4$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV3 - SN3519; ConvF(9.04, 9.04, 9.04); Calibrated: 2/21/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 1/23/2012
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 125;SEMCAD X Version 13.4 Build 125

Flat/Area Scan (81x181x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Maximum value of SAR (interpolated) = 0.221 mW/g

Flat/Zoom Scan (7x7x9)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=3\text{mm}$
Reference Value = 3.83 V/m; Power Drift = -0.128 dB
Peak SAR (extrapolated) = 0.245 W/kg
SAR(1 g) = 0.156 mW/g; SAR(10 g) = 0.095 mW/g
Maximum value of SAR (measured) = 0.185 mW/g



Test Laboratory: A Test Lab Techno Corp.
Date/Time: 4/1/2012 10:43:54 AM

Flat_1xRTT PCS CH600_RC3 SO32_Front Surface 0mm_Thick Battery

DUT: Gobi2000; Type: Gobi2000 PCI Express Mini Card; FCC ID: KDZLXE-FX1WW

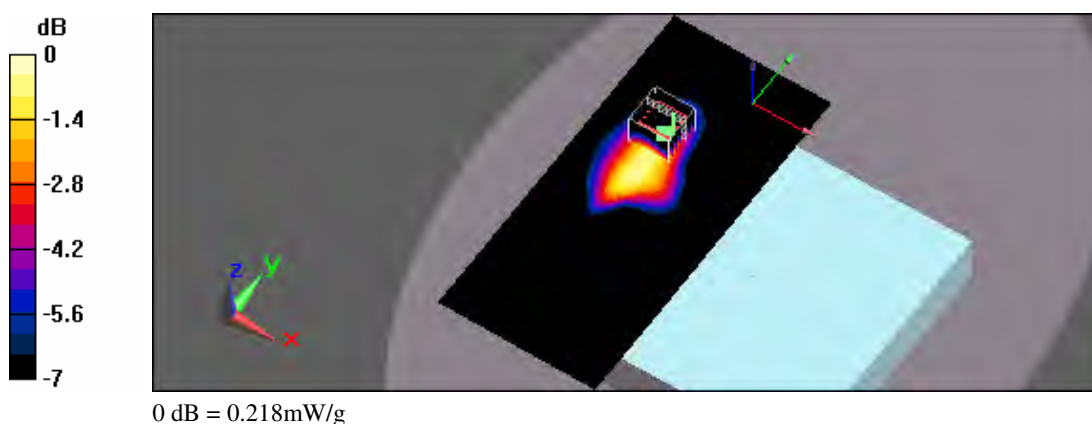
Communication System: CDMA 1xRTT PCS ; Frequency: 1880 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 1880$ MHz; $\sigma = 1.48$ mho/m; $\epsilon_r = 51.4$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV3 - SN3519; ConvF(9.04, 9.04, 9.04); Calibrated: 2/21/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 1/23/2012
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Flat/Area Scan (81x181x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.222 mW/g

Flat/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 3.56 V/m; Power Drift = -0.093 dB
Peak SAR (extrapolated) = 0.288 W/kg
SAR(1 g) = 0.185 mW/g; SAR(10 g) = 0.108 mW/g
Maximum value of SAR (measured) = 0.218 mW/g



Test Laboratory: A Test Lab Techno Corp.
Date/Time: 4/1/2012 10:06:19 AM

Flat_1xRTT PCS CH600_RC3 SO32_Front Surface 0mm_Thick Battery_Hand Strap

DUT: Gobi2000; Type: Gobi2000 PCI Express Mini Card; FCC ID: KDZLXE-FX1WW

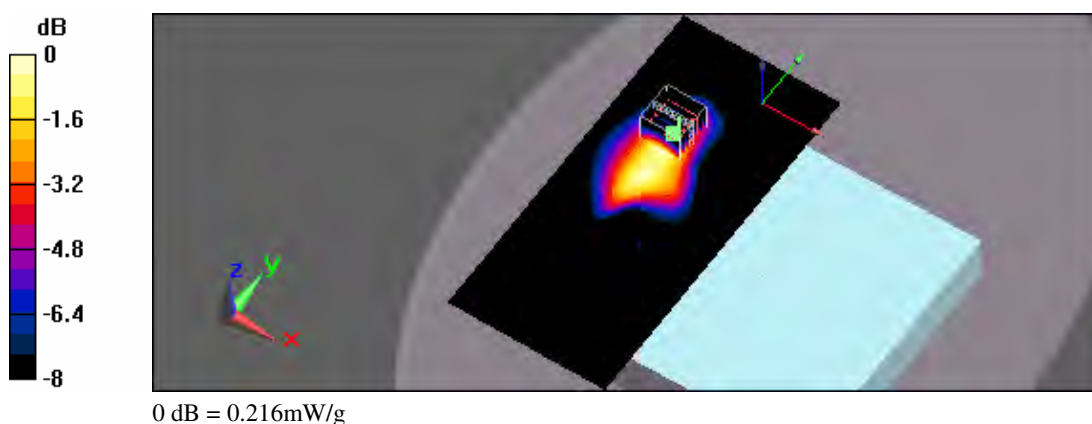
Communication System: CDMA 1xRTT PCS ; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium parameters used: $f = 1880$ MHz; $\sigma = 1.48$ mho/m; $\epsilon_r = 51.4$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV3 - SN3519; ConvF(9.04, 9.04, 9.04); Calibrated: 2/21/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 1/23/2012
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 125;SEMCAD X Version 13.4 Build 125

Flat/Area Scan (81x181x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.219 mW/g

Flat/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 3.51 V/m; Power Drift = 0.109 dB
Peak SAR (extrapolated) = 0.292 W/kg
SAR(1 g) = 0.182 mW/g; SAR(10 g) = 0.107 mW/g
Maximum value of SAR (measured) = 0.216 mW/g



Test Laboratory: A Test Lab Techno Corp.
Date/Time: 4/1/2012 9:29:40 AM

Flat_1xRTT PCS CH600_RC3 SO32_Front Surface 0mm_Thick Battery_Shoulder strap

DUT: Gobi2000; Type: Gobi2000 PCI Express Mini Card; FCC ID: KDZLXE-FX1WW

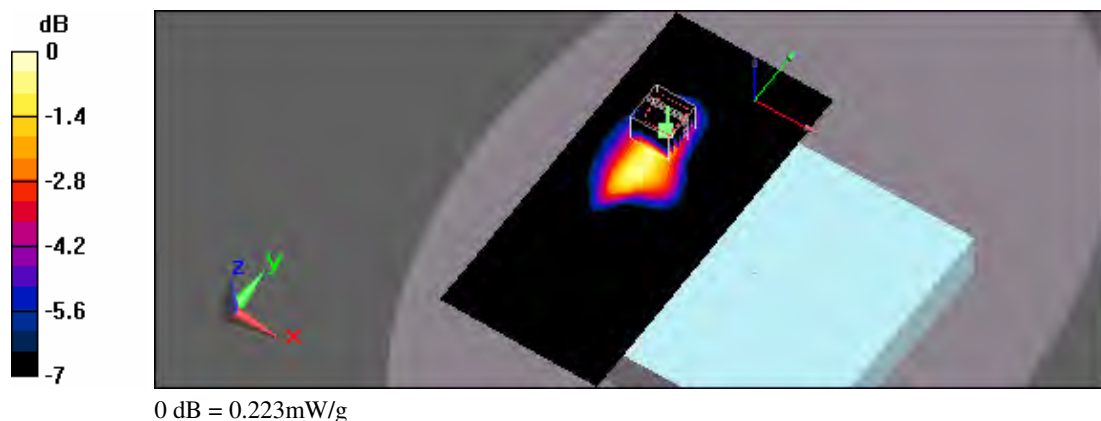
Communication System: CDMA 1xRTT PCS ; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.48 \text{ mho/m}$; $\epsilon_r = 51.4$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV3 - SN3519; ConvF(9.04, 9.04, 9.04); Calibrated: 2/21/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 1/23/2012
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 125;SEMCAD X Version 13.4 Build 125

Flat/Area Scan (81x181x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Maximum value of SAR (interpolated) = 0.219 mW/g

Flat/Zoom Scan (7x7x9)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=3\text{mm}$
Reference Value = 3.56 V/m; Power Drift = 0.192 dB
Peak SAR (extrapolated) = 0.307 W/kg
SAR(1 g) = 0.187 mW/g; SAR(10 g) = 0.109 mW/g
Maximum value of SAR (measured) = 0.223 mW/g



Test Laboratory: A Test Lab Techno Corp.
Date/Time: 4/1/2012 2:29:38 PM

Flat_1xRTT PCS CH600_RC3 SO32_Back Surface 0mm_Hip pad Battery

DUT: Gobi2000; Type: Gobi2000 PCI Express Mini Card; FCC ID: KDZLXE-FX1WW

Communication System: CDMA 1xRTT PCS ; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium parameters used: $f = 1880$ MHz; $\sigma = 1.48$ mho/m; $\epsilon_r = 51.4$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

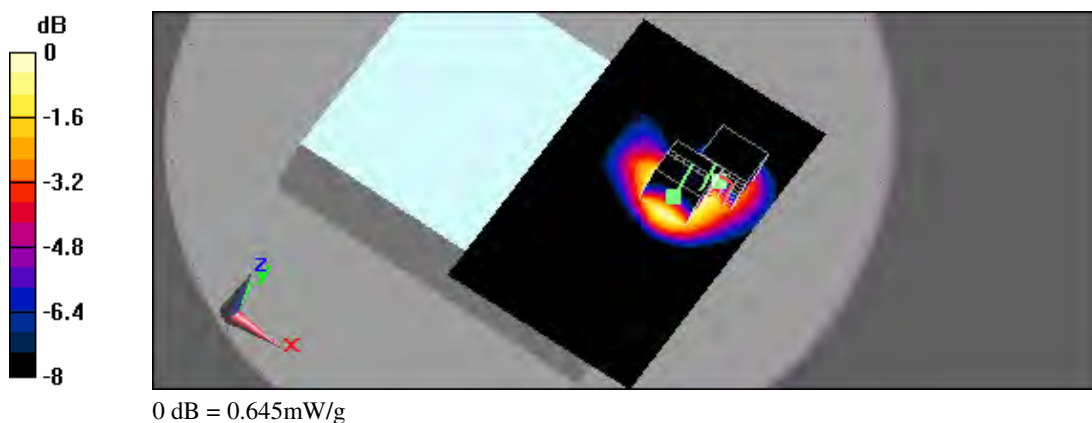
DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV3 - SN3519; ConvF(9.04, 9.04, 9.04); Calibrated: 2/21/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 1/23/2012
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 125;SEMCAD X Version 13.4 Build 125

Flat/Area Scan (81x181x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.807 mW/g

Flat/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 3.42 V/m; Power Drift = 0.052 dB
Peak SAR (extrapolated) = 1.04 W/kg
SAR(1 g) = 0.665 mW/g; SAR(10 g) = 0.412 mW/g
Maximum value of SAR (measured) = 0.798 mW/g

Flat/Zoom Scan (7x7x9)/Cube 1: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 3.42 V/m; Power Drift = 0.052 dB
Peak SAR (extrapolated) = 0.855 W/kg
SAR(1 g) = 0.516 mW/g; SAR(10 g) = 0.315 mW/g
Maximum value of SAR (measured) = 0.645 mW/g



Test Laboratory: A Test Lab Techno Corp.
Date/Time: 4/1/2012 3:23:28 PM

Flat_1xRTT PCS CH600_RC3 SO32_Back Surface 0mm_Hip pad Battery_Hand Strap

DUT: Gobi2000; Type: Gobi2000 PCI Express Mini Card; FCC ID: KDZLXE-FX1WW

Communication System: CDMA 1xRTT PCS ; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium parameters used: $f = 1880$ MHz; $\sigma = 1.48$ mho/m; $\epsilon_r = 51.4$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

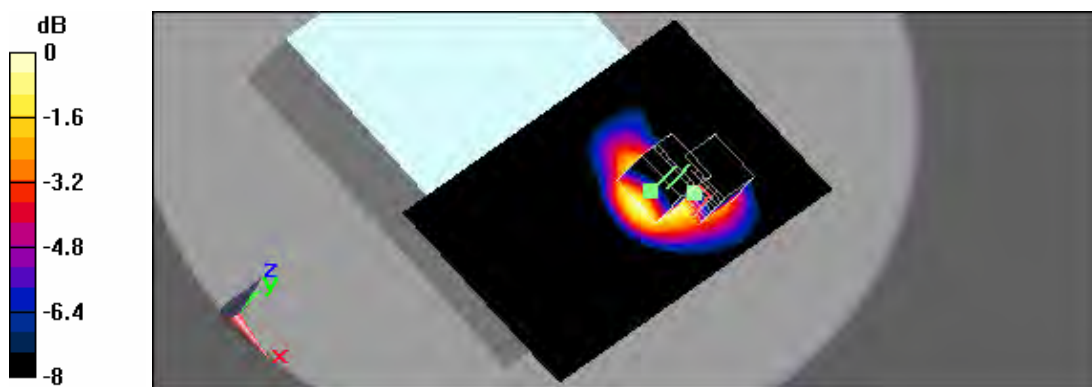
DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV3 - SN3519; ConvF(9.04, 9.04, 9.04); Calibrated: 2/21/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 1/23/2012
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 125;SEMCAD X Version 13.4 Build 125

Flat/Area Scan (81x181x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.789 mW/g

Flat/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 3.82 V/m; Power Drift = -0.020 dB
Peak SAR (extrapolated) = 1.01 W/kg
SAR(1 g) = 0.646 mW/g; SAR(10 g) = 0.400 mW/g
Maximum value of SAR (measured) = 0.767 mW/g

Flat/Zoom Scan (7x7x9)/Cube 1: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 3.82 V/m; Power Drift = -0.020 dB
Peak SAR (extrapolated) = 0.885 W/kg
SAR(1 g) = 0.528 mW/g; SAR(10 g) = 0.321 mW/g
Maximum value of SAR (measured) = 0.674 mW/g



0 dB = 0.674mW/g

Test Laboratory: A Test Lab Techno Corp.
Date/Time: 4/1/2012 4:50:18 PM

Flat_1xRTT PCS CH600_RC3 SO32_Back Surface 0mm_Hip pad Battery_Shoulder strap

DUT: Gobi2000; Type: Gobi2000 PCI Express Mini Card; FCC ID: KDZLXE-FX1WW

Communication System: CDMA 1xRTT PCS ; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium parameters used: $f = 1880$ MHz; $\sigma = 1.48$ mho/m; $\epsilon_r = 51.4$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

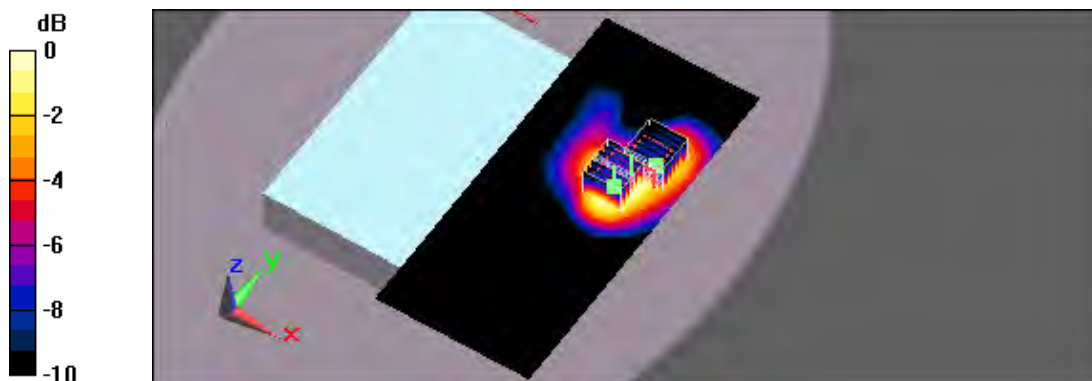
DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV3 - SN3519; ConvF(9.04, 9.04, 9.04); Calibrated: 2/21/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 1/23/2012
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 125;SEMCAD X Version 13.4 Build 125

Flat/Area Scan (81x181x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.744 mW/g

Flat/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 2.92 V/m; Power Drift = 0.147 dB
Peak SAR (extrapolated) = 0.960 W/kg
SAR(1 g) = 0.617 mW/g; SAR(10 g) = 0.380 mW/g
Maximum value of SAR (measured) = 0.727 mW/g

Flat/Zoom Scan (7x7x9)/Cube 1: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 2.92 V/m; Power Drift = 0.147 dB
Peak SAR (extrapolated) = 0.825 W/kg
SAR(1 g) = 0.487 mW/g; SAR(10 g) = 0.296 mW/g
Maximum value of SAR (measured) = 0.628 mW/g



0 dB = 0.628mW/g

Test Laboratory: A Test Lab Techno Corp.
Date/Time: 4/1/2012 5:57:15 PM

Flat_1xRTT PCS CH600_RC3 SO32_Back Surface 0mm_Thick Battery

DUT: Gobi2000; Type: Gobi2000 PCI Express Mini Card; FCC ID: KDZLXE-FX1WW

Communication System: CDMA 1xRTT PCS ; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.48 \text{ mho/m}$; $\epsilon_r = 51.4$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

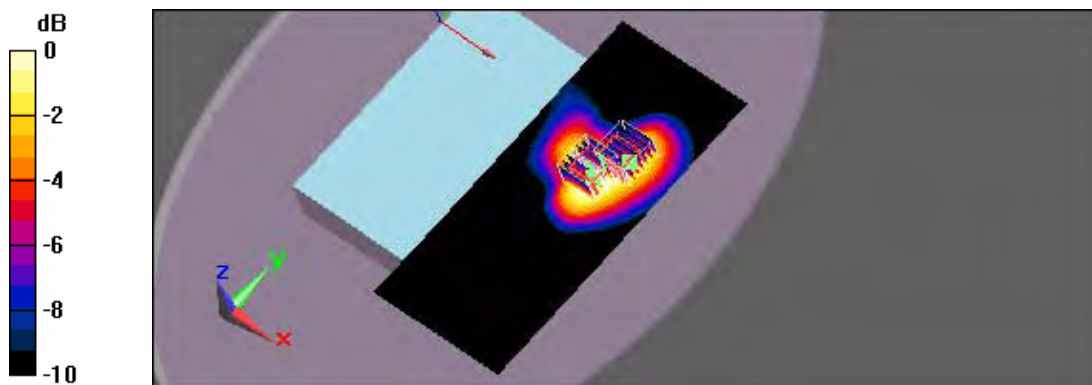
DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV3 - SN3519; ConvF(9.04, 9.04, 9.04); Calibrated: 2/21/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 1/23/2012
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 125;SEMCAD X Version 13.4 Build 125

Flat/Area Scan (81x181x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Maximum value of SAR (interpolated) = 0.651 mW/g

Flat/Zoom Scan (7x7x9)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=3\text{mm}$
Reference Value = 3.41 V/m; Power Drift = -0.011 dB
Peak SAR (extrapolated) = 0.812 W/kg
SAR(1 g) = 0.529 mW/g; SAR(10 g) = 0.328 mW/g
Maximum value of SAR (measured) = 0.627 mW/g

Flat/Zoom Scan (7x7x9)/Cube 1: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=3\text{mm}$
Reference Value = 3.41 V/m; Power Drift = -0.011 dB
Peak SAR (extrapolated) = 0.718 W/kg
SAR(1 g) = 0.447 mW/g; SAR(10 g) = 0.276 mW/g
Maximum value of SAR (measured) = 0.567 mW/g



0 dB = 0.567mW/g

Test Laboratory: A Test Lab Techno Corp.
Date/Time: 4/1/2012 7:09:07 PM

Flat_1xRTT PCS CH600_RC3 SO32_Back Surface 0mm_Thick Battery_Hand Strap

DUT: Gobi2000; Type: Gobi2000 PCI Express Mini Card; FCC ID: KDZLXE-FX1WW

Communication System: CDMA 1xRTT PCS ; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.48 \text{ mho/m}$; $\epsilon_r = 51.4$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

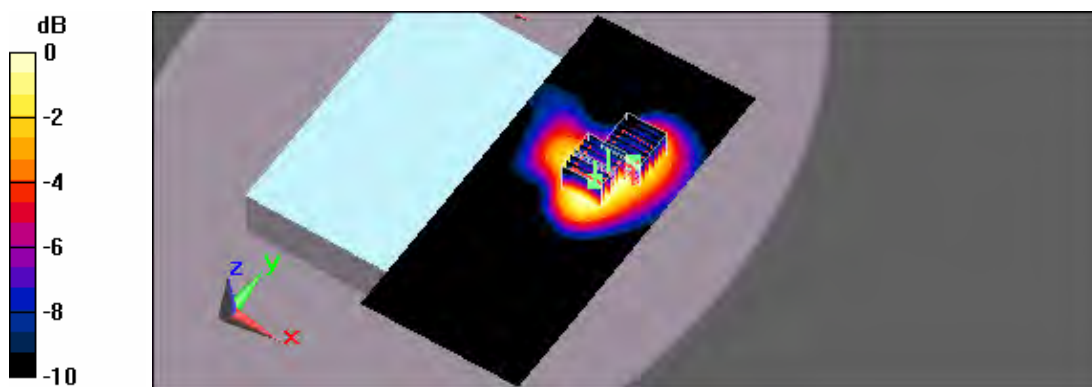
DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV3 - SN3519; ConvF(9.04, 9.04, 9.04); Calibrated: 2/21/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 1/23/2012
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 125;SEMCAD X Version 13.4 Build 125

Flat/Area Scan (81x181x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Maximum value of SAR (interpolated) = 0.665 mW/g

Flat/Zoom Scan (7x7x9)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=3\text{mm}$
Reference Value = 4.09 V/m; Power Drift = -0.00823 dB
Peak SAR (extrapolated) = 0.898 W/kg
SAR(1 g) = 0.556 mW/g; SAR(10 g) = 0.341 mW/g
Maximum value of SAR (measured) = 0.659 mW/g

Flat/Zoom Scan (7x7x9)/Cube 1: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=3\text{mm}$
Reference Value = 4.09 V/m; Power Drift = -0.00823 dB
Peak SAR (extrapolated) = 0.758 W/kg
SAR(1 g) = 0.467 mW/g; SAR(10 g) = 0.287 mW/g
Maximum value of SAR (measured) = 0.570 mW/g



0 dB = 0.570mW/g

Test Laboratory: A Test Lab Techno Corp.
Date/Time: 4/1/2012 8:14:08 PM

Flat_1xRTT PCS CH600_RC3 SO32_Back Surface 0mm_Thick Battery_Shoulder strap

DUT: Gobi2000; Type: Gobi2000 PCI Express Mini Card; FCC ID: KDZLXE-FX1WW

Communication System: CDMA 1xRTT PCS ; Frequency: 1880 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 1880$ MHz; $\sigma = 1.48$ mho/m; $\epsilon_r = 51.4$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

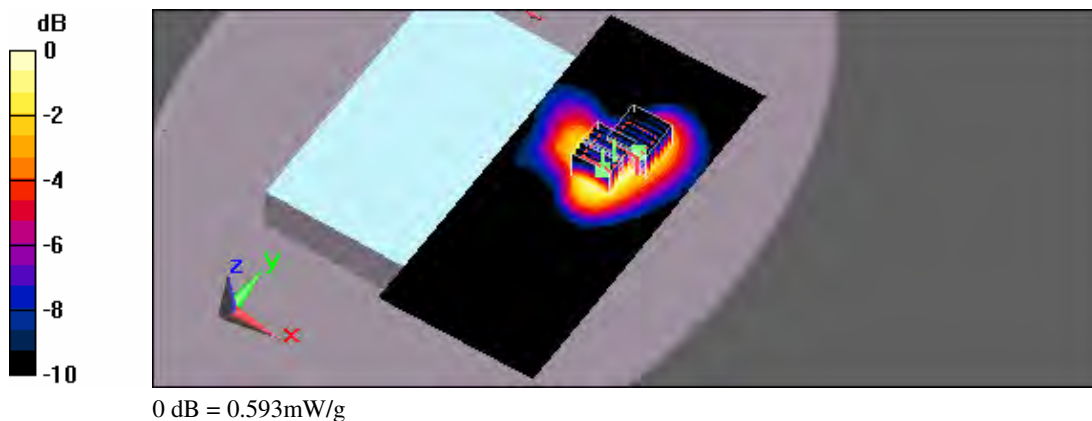
DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV3 - SN3519; ConvF(9.04, 9.04, 9.04); Calibrated: 2/21/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 1/23/2012
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Flat/Area Scan (81x181x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.648 mW/g

Flat/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 4.82 V/m; Power Drift = -0.034 dB
Peak SAR (extrapolated) = 0.853 W/kg
SAR(1 g) = 0.536 mW/g; SAR(10 g) = 0.330 mW/g
Maximum value of SAR (measured) = 0.630 mW/g

Flat/Zoom Scan (7x7x9)/Cube 1: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 4.82 V/m; Power Drift = -0.034 dB
Peak SAR (extrapolated) = 0.764 W/kg
SAR(1 g) = 0.455 mW/g; SAR(10 g) = 0.274 mW/g
Maximum value of SAR (measured) = 0.593 mW/g



Test Laboratory: A Test Lab Techno Corp.
Date/Time: 4/3/2012 2:17:15 PM

Flat_1xEVDO R0 PCS CH25_RTAP 153.6K_Front Surface 0mm_Hip pad Battery

DUT: Gobi2000; Type: Gobi2000 PCI Express Mini Card; FCC ID: KDZLXE-FX1WW

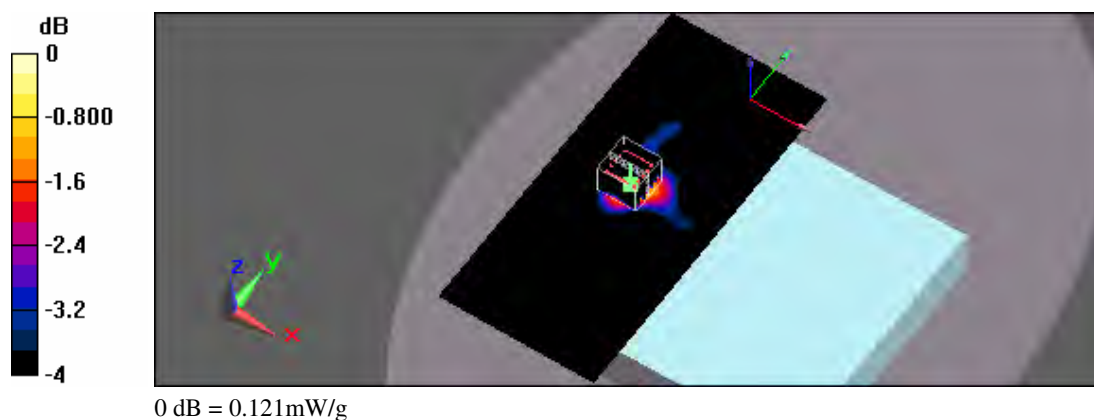
Communication System: 1xEVDO PCS ; Frequency: 1851.25 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 1851.25$ MHz; $\sigma = 1.45$ mho/m; $\epsilon_r = 51.5$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV3 - SN3519; ConvF(9.04, 9.04, 9.04); Calibrated: 2/21/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 1/23/2012
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Flat/Area Scan (81x181x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.109 mW/g

Flat/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 3.99 V/m; Power Drift = 0.026 dB
Peak SAR (extrapolated) = 0.168 W/kg
SAR(1 g) = 0.098 mW/g; SAR(10 g) = 0.056 mW/g
Maximum value of SAR (measured) = 0.121 mW/g



Test Laboratory: A Test Lab Techno Corp.
Date/Time: 4/3/2012 12:05:10 PM

Flat_1xEVDO R0 PCS CH25_RTAP 153.6K_Front Surface 0mm_Hip pad Battery_Hand Strap

DUT: Gobi2000; Type: Gobi2000 PCI Express Mini Card; FCC ID: KDZLXE-FX1WW

Communication System: 1xEVDO PCS ; Frequency: 1851.25 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 1851.25$ MHz; $\sigma = 1.45$ mho/m; $\epsilon_r = 51.5$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV3 - SN3519; ConvF(9.04, 9.04, 9.04); Calibrated: 2/21/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 1/23/2012
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Flat/Area Scan (81x181x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.115 mW/g

Flat/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 4.41 V/m; Power Drift = 0.015 dB
Peak SAR (extrapolated) = 0.181 W/kg
SAR(1 g) = 0.104 mW/g; SAR(10 g) = 0.059 mW/g
Maximum value of SAR (measured) = 0.127 mW/g



Test Laboratory: A Test Lab Techno Corp.
Date/Time: 4/3/2012 12:43:11 PM

Flat_1xEVDO R0 PCS CH25_RTAP 153.6K_Front Surface 0mm_Hip pad Battery_Shoulder strap

DUT: Gobi2000; Type: Gobi2000 PCI Express Mini Card; FCC ID: KDZLXE-FX1WW

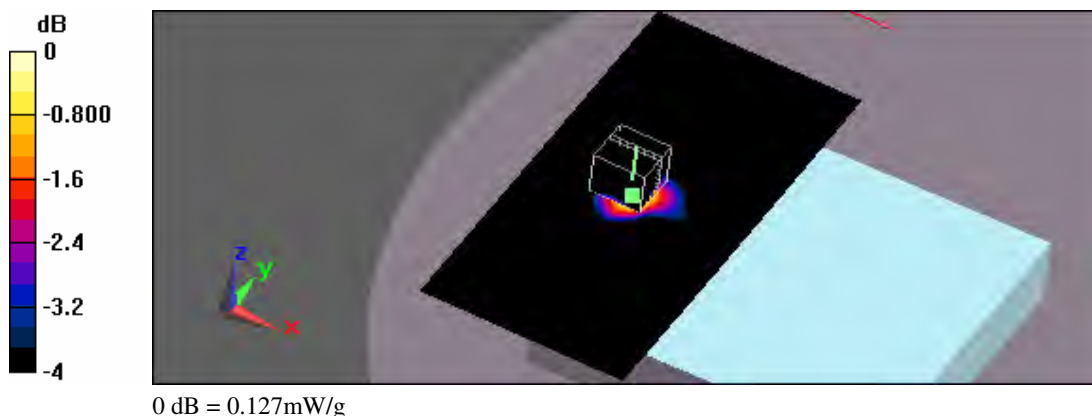
Communication System: 1xEVDO PCS ; Frequency: 1851.25 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 1851.25$ MHz; $\sigma = 1.45$ mho/m; $\epsilon_r = 51.5$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV3 - SN3519; ConvF(9.04, 9.04, 9.04); Calibrated: 2/21/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 1/23/2012
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Flat/Area Scan (81x181x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.114 mW/g

Flat/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 4.07 V/m; Power Drift = 0.169 dB
Peak SAR (extrapolated) = 0.172 W/kg
SAR(1 g) = 0.103 mW/g; SAR(10 g) = 0.059 mW/g
Maximum value of SAR (measured) = 0.127 mW/g



Test Laboratory: A Test Lab Techno Corp.
Date/Time: 4/3/2012 9:13:23 AM

Flat_1xEVDO R0 PCS CH25_RTAP 153.6K_Front Surface 0mm_Thick Battery

DUT: Gobi2000; Type: Gobi2000 PCI Express Mini Card; FCC ID: KDZLXE-FX1WW

Communication System: 1xEVDO PCS ; Frequency: 1851.25 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 1851.25$ MHz; $\sigma = 1.45$ mho/m; $\epsilon_r = 51.5$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV3 - SN3519; ConvF(9.04, 9.04, 9.04); Calibrated: 2/21/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 1/23/2012
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Flat/Area Scan (81x181x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.119 mW/g

Flat/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm

Reference Value = 3.81 V/m; Power Drift = -0.095 dB

Peak SAR (extrapolated) = 0.171 W/kg

SAR(1 g) = 0.101 mW/g; SAR(10 g) = 0.058 mW/g

Maximum value of SAR (measured) = 0.122 mW/g



Test Laboratory: A Test Lab Techno Corp.
Date/Time: 4/3/2012 8:33:35 AM

Flat_1xEVDO R0 PCS CH25_RTAP 153.6K_Front Surface 0mm_Thick Battery_Hand Strap

DUT: Gobi2000; Type: Gobi2000 PCI Express Mini Card; FCC ID: KDZLXE-FX1WW

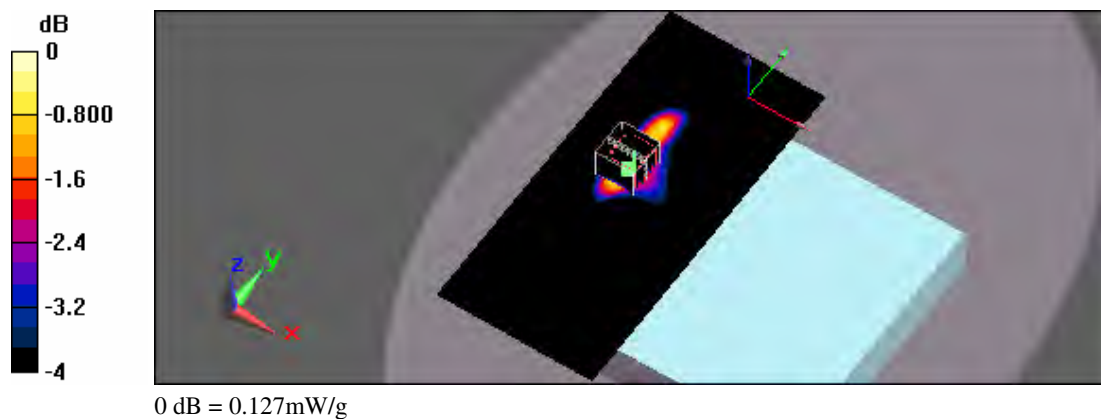
Communication System: 1xEVDO PCS ; Frequency: 1851.25 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 1851.25$ MHz; $\sigma = 1.45$ mho/m; $\epsilon_r = 51.5$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV3 - SN3519; ConvF(9.04, 9.04, 9.04); Calibrated: 2/21/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 1/23/2012
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Flat/Area Scan (81x181x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.125 mW/g

Flat/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 3.62 V/m; Power Drift = 0.060 dB
Peak SAR (extrapolated) = 0.178 W/kg
SAR(1 g) = 0.104 mW/g; SAR(10 g) = 0.059 mW/g
Maximum value of SAR (measured) = 0.127 mW/g



Test Laboratory: A Test Lab Techno Corp.
Date/Time: 4/3/2012 7:38:12 AM

Flat_1xEVDO R0 PCS CH25_RTAP 153.6K_Front Surface 0mm_Thick Battery_Shoulder strap

DUT: Gobi2000; Type: Gobi2000 PCI Express Mini Card; FCC ID: KDZLXE-FX1WW

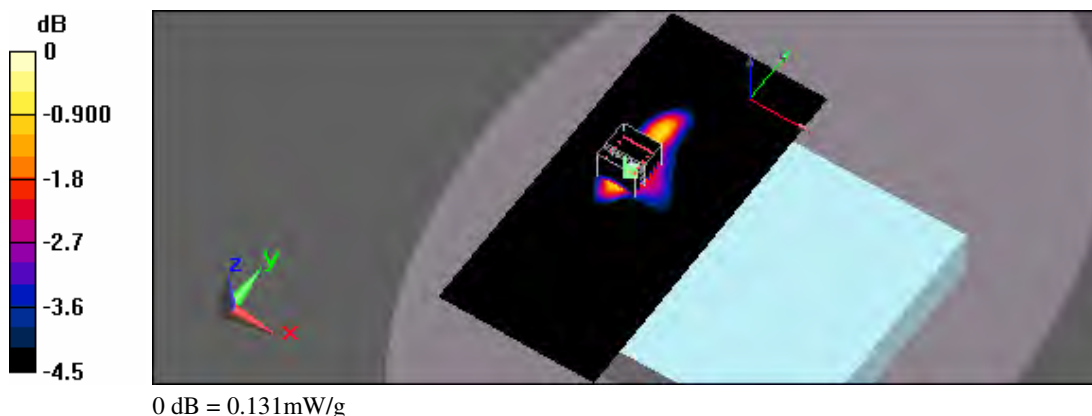
Communication System: 1xEVDO PCS ; Frequency: 1851.25 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 1851.25$ MHz; $\sigma = 1.45$ mho/m; $\epsilon_r = 51.5$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV3 - SN3519; ConvF(9.04, 9.04, 9.04); Calibrated: 2/21/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 1/23/2012
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Flat/Area Scan (81x181x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.125 mW/g

Flat/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 3.75 V/m; Power Drift = 0.113 dB
Peak SAR (extrapolated) = 0.184 W/kg
SAR(1 g) = 0.105 mW/g; SAR(10 g) = 0.060 mW/g
Maximum value of SAR (measured) = 0.131 mW/g



Test Laboratory: A Test Lab Techno Corp.
Date/Time: 4/3/2012 2:56:13 PM

Flat_1xEVDO R0 PCS CH25_RTAP 153.6K_Back Surface 0mm_Hip pad Battery

DUT: Gobi2000; Type: Gobi2000 PCI Express Mini Card; FCC ID: KDZLXE-FX1WW

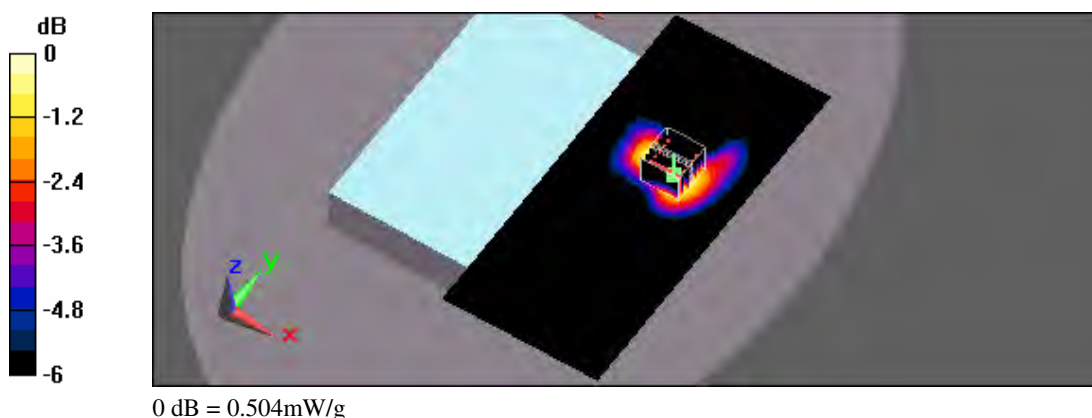
Communication System: 1xEVDO PCS ; Frequency: 1851.25 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 1851.25$ MHz; $\sigma = 1.45$ mho/m; $\epsilon_r = 51.5$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV3 - SN3519; ConvF(9.04, 9.04, 9.04); Calibrated: 2/21/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 1/23/2012
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Flat/Area Scan (81x181x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.522 mW/g

Flat/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 5.34 V/m; Power Drift = 0.052 dB
Peak SAR (extrapolated) = 0.695 W/kg
SAR(1 g) = 0.424 mW/g; SAR(10 g) = 0.254 mW/g
Maximum value of SAR (measured) = 0.504 mW/g



Test Laboratory: A Test Lab Techno Corp.
Date/Time: 4/3/2012 3:35:53 PM

Flat_1xEVDO R0 PCS CH25_RTAP 153.6K_Back Surface 0mm_Hip pad Battery_Hand Strap

DUT: Gobi2000; Type: Gobi2000 PCI Express Mini Card; FCC ID: KDZLXE-FX1WW

Communication System: 1xEVDO PCS ; Frequency: 1851.25 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 1851.25$ MHz; $\sigma = 1.45$ mho/m; $\epsilon_r = 51.5$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV3 - SN3519; ConvF(9.04, 9.04, 9.04); Calibrated: 2/21/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 1/23/2012
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Flat/Area Scan (81x181x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.471 mW/g

Flat/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 4.65 V/m; Power Drift = -0.023 dB
Peak SAR (extrapolated) = 0.631 W/kg
SAR(1 g) = 0.394 mW/g; SAR(10 g) = 0.237 mW/g
Maximum value of SAR (measured) = 0.472 mW/g



Test Laboratory: A Test Lab Techno Corp.
Date/Time: 4/3/2012 6:15:49 AM

Flat_1xEVDO R0 PCS CH25_RTAP 153.6K_Back Surface 0mm_Hip pad Battery_Shoulder strap

DUT: Gobi2000; Type: Gobi2000 PCI Express Mini Card; FCC ID: KDZLXE-FX1WW

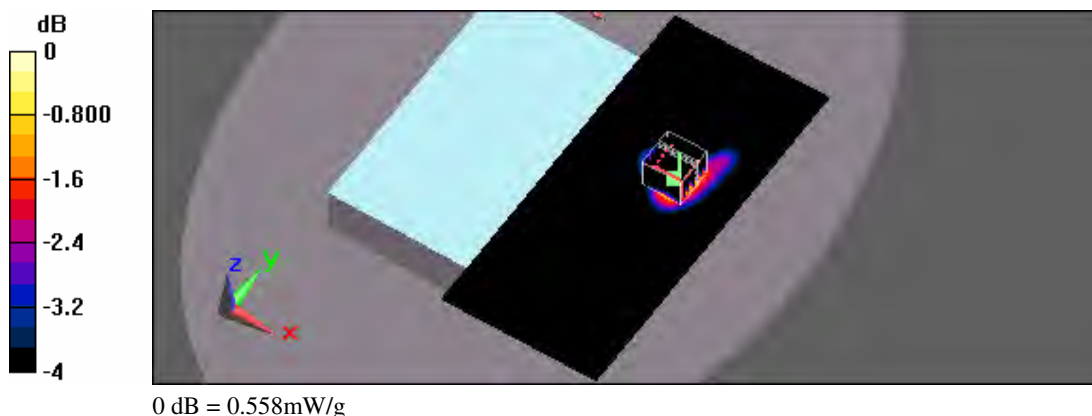
Communication System: 1xEVDO PCS ; Frequency: 1851.25 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 1851.25$ MHz; $\sigma = 1.45$ mho/m; $\epsilon_r = 51.5$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV3 - SN3519; ConvF(9.04, 9.04, 9.04); Calibrated: 2/21/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 1/23/2012
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Flat/Area Scan (81x181x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.543 mW/g

Flat/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 3.88 V/m; Power Drift = -0.047 dB
Peak SAR (extrapolated) = 0.735 W/kg
SAR(1 g) = 0.448 mW/g; SAR(10 g) = 0.274 mW/g
Maximum value of SAR (measured) = 0.558 mW/g



Test Laboratory: A Test Lab Techno Corp.
Date/Time: 4/3/2012 4:12:44 PM

Flat_1xEVDO R0 PCS CH25_RTAP 153.6K_Back Surface 0mm_Thick Battery

DUT: Gobi2000; Type: Gobi2000 PCI Express Mini Card; FCC ID: KDZLXE-FX1WW

Communication System: 1xEVDO PCS ; Frequency: 1851.25 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 1851.25$ MHz; $\sigma = 1.45$ mho/m; $\epsilon_r = 51.5$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV3 - SN3519; ConvF(9.04, 9.04, 9.04); Calibrated: 2/21/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 1/23/2012
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Flat/Area Scan (81x181x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.471 mW/g

Flat/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 4.39 V/m; Power Drift = 0.044 dB
Peak SAR (extrapolated) = 0.619 W/kg
SAR(1 g) = 0.390 mW/g; SAR(10 g) = 0.235 mW/g
Maximum value of SAR (measured) = 0.465 mW/g



Test Laboratory: A Test Lab Techno Corp.
Date/Time: 4/3/2012 4:57:16 PM

Flat_1xEVDO R0 PCS CH25_RTAP 153.6K_Back Surface 0mm_Thick Battery_Hand Strap

DUT: Gobi2000; Type: Gobi2000 PCI Express Mini Card; FCC ID: KDZLXE-FX1WW

Communication System: 1xEVDO PCS ; Frequency: 1851.25 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 1851.25$ MHz; $\sigma = 1.45$ mho/m; $\epsilon_r = 51.5$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV3 - SN3519; ConvF(9.04, 9.04, 9.04); Calibrated: 2/21/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 1/23/2012
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Flat/Area Scan (81x181x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.492 mW/g

Flat/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 5.31 V/m; Power Drift = -0.032 dB
Peak SAR (extrapolated) = 0.651 W/kg
SAR(1 g) = 0.413 mW/g; SAR(10 g) = 0.249 mW/g
Maximum value of SAR (measured) = 0.492 mW/g



Test Laboratory: A Test Lab Techno Corp.
Date/Time: 4/3/2012 6:54:44 AM

Flat_1xEVDO R0 PCS CH25_RTAP 153.6K_Back Surface 0mm_Thick Battery_Shoulder strap

DUT: Gobi2000; Type: Gobi2000 PCI Express Mini Card; FCC ID: KDZLXE-FX1WW

Communication System: 1xEVDO PCS ; Frequency: 1851.25 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 1851.25$ MHz; $\sigma = 1.45$ mho/m; $\epsilon_r = 51.5$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV3 - SN3519; ConvF(9.04, 9.04, 9.04); Calibrated: 2/21/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 1/23/2012
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Flat/Area Scan (81x181x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.500 mW/g

Flat/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 4.32 V/m; Power Drift = -0.036 dB
Peak SAR (extrapolated) = 0.717 W/kg
SAR(1 g) = 0.431 mW/g; SAR(10 g) = 0.260 mW/g
Maximum value of SAR (measured) = 0.527 mW/g



Test Laboratory: A Test Lab Techno Corp.
Date/Time: 4/2/2012 3:32:01 AM

Flat_1xEVDO RA PCS CH600_RETAP Payload size 4096 bits_Front Surface 0mm_Hip pad Battery

DUT: Gobi2000; Type: Gobi2000 PCI Express Mini Card; FCC ID: KDZLXE-FX1WW

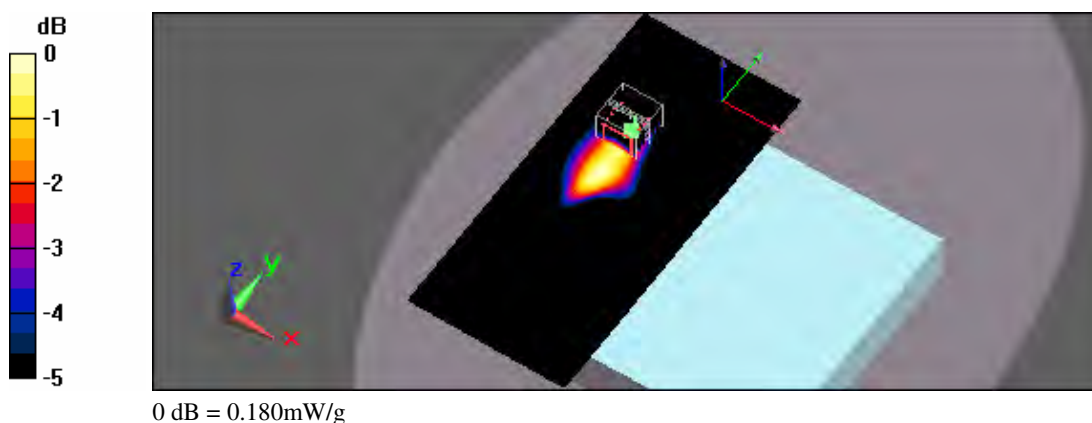
Communication System: 1xEVDO PCS ; Frequency: 1880 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 1880$ MHz; $\sigma = 1.48$ mho/m; $\epsilon_r = 51.4$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV3 - SN3519; ConvF(9.04, 9.04, 9.04); Calibrated: 2/21/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 1/23/2012
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Flat/Area Scan (81x181x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.180 mW/g

Flat/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 3.04 V/m; Power Drift = 0.171 dB
Peak SAR (extrapolated) = 0.233 W/kg
SAR(1 g) = 0.148 mW/g; SAR(10 g) = 0.086 mW/g
Maximum value of SAR (measured) = 0.180 mW/g



Test Laboratory: A Test Lab Techno Corp.
Date/Time: 4/2/2012 4:16:03 AM

Flat_1xEVDO RA PCS CH600_RETAP Payload size 4096 bits_Front Surface 0mm_Hip pad Battery_Hand Strap

DUT: Gobi2000; Type: Gobi2000 PCI Express Mini Card; FCC ID: KDZLXE-FX1WW

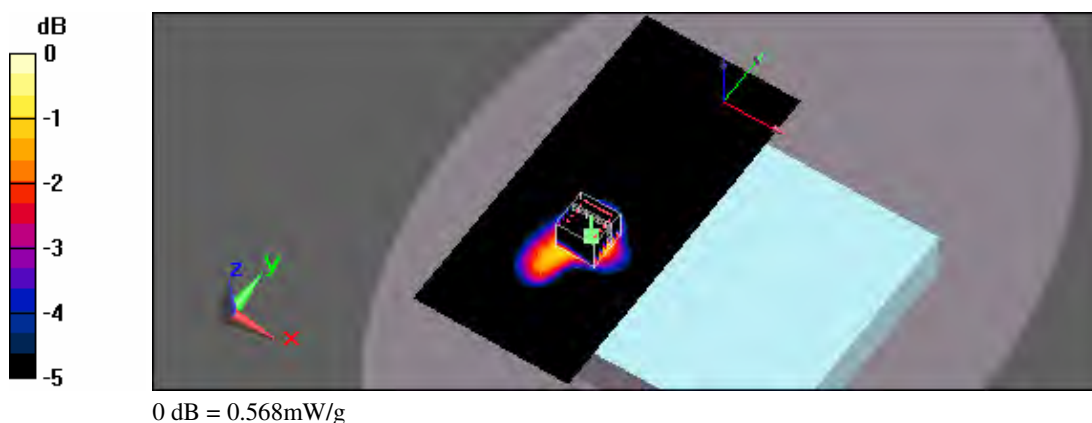
Communication System: 1xEVDO PCS ; Frequency: 1880 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.48 \text{ mho/m}$; $\epsilon_r = 51.4$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV3 - SN3519; ConvF(9.04, 9.04, 9.04); Calibrated: 2/21/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 1/23/2012
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Flat/Area Scan (81x181x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Maximum value of SAR (interpolated) = 0.569 mW/g

Flat/Zoom Scan (7x7x9)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=3\text{mm}$
Reference Value = 2.69 V/m; Power Drift = -0.111 dB
Peak SAR (extrapolated) = 0.740 W/kg
SAR(1 g) = 0.477 mW/g; SAR(10 g) = 0.291 mW/g
Maximum value of SAR (measured) = 0.568 mW/g



Test Laboratory: A Test Lab Techno Corp.
Date/Time: 4/2/2012 8:57:14 AM

Flat_1xEVDO RA PCS CH600_RETAP Payload size 4096 bits_Front Surface 0mm_Hip pad Battery_Shoulder strap

DUT: Gobi2000; Type: Gobi2000 PCI Express Mini Card; FCC ID: KDZLXE-FX1WW

Communication System: 1xEVDO PCS ; Frequency: 1880 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 1880$ MHz; $\sigma = 1.48$ mho/m; $\epsilon_r = 51.4$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV3 - SN3519; ConvF(9.04, 9.04, 9.04); Calibrated: 2/21/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 1/23/2012
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Flat/Area Scan (81x181x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.185 mW/g

Flat/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 3.31 V/m; Power Drift = 0.174 dB
Peak SAR (extrapolated) = 0.275 W/kg
SAR(1 g) = 0.153 mW/g; SAR(10 g) = 0.088 mW/g
Maximum value of SAR (measured) = 0.191 mW/g



Test Laboratory: A Test Lab Techno Corp.
Date/Time: 4/2/2012 2:46:39 AM

Flat_1xEVDO RA PCS CH600_RETAP Payload size 4096 bits_Front Surface 0mm_Thick Battery

DUT: Gobi2000; Type: Gobi2000 PCI Express Mini Card; FCC ID: KDZLXE-FX1WW

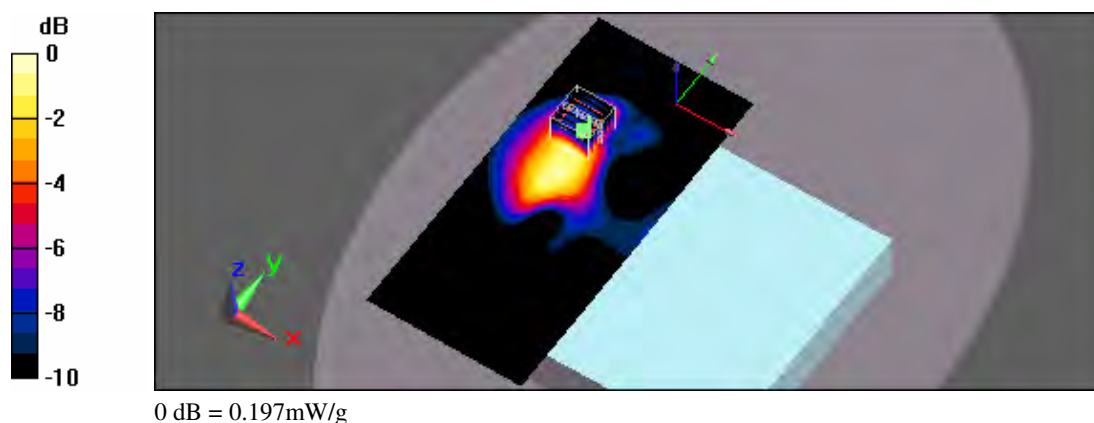
Communication System: 1xEVDO PCS ; Frequency: 1880 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 1880$ MHz; $\sigma = 1.48$ mho/m; $\epsilon_r = 51.4$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV3 - SN3519; ConvF(9.04, 9.04, 9.04); Calibrated: 2/21/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 1/23/2012
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Flat/Area Scan (81x181x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.214 mW/g

Flat/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 2.93 V/m; Power Drift = 0.00155 dB
Peak SAR (extrapolated) = 0.262 W/kg
SAR(1 g) = 0.165 mW/g; SAR(10 g) = 0.096 mW/g
Maximum value of SAR (measured) = 0.197 mW/g



Test Laboratory: A Test Lab Techno Corp.
Date/Time: 4/2/2012 7:53:56 AM

Flat_1xEVDO RA PCS CH600_RETAP Payload size 4096 bits_Front Surface 0mm_Thick Battery_Hand Strap

DUT: Gobi2000; Type: Gobi2000 PCI Express Mini Card; FCC ID: KDZLXE-FX1WW

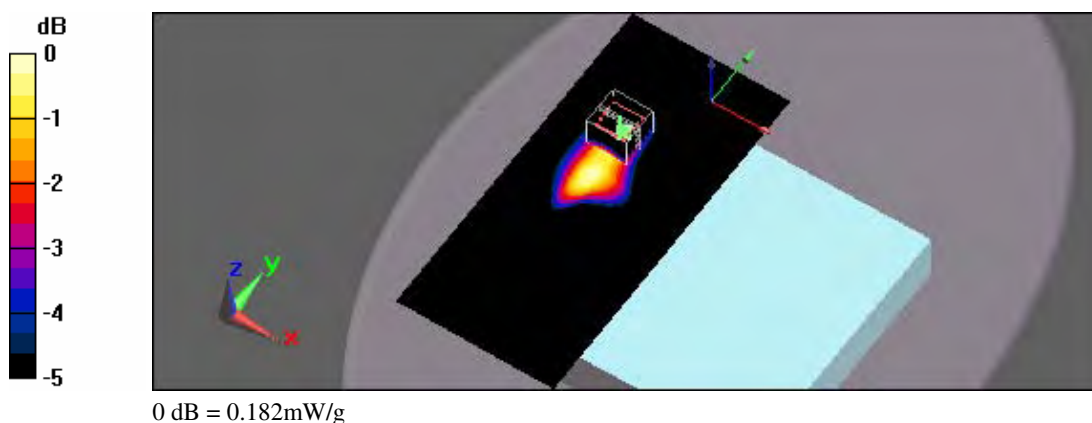
Communication System: 1xEVDO PCS ; Frequency: 1880 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.48 \text{ mho/m}$; $\epsilon_r = 51.4$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV3 - SN3519; ConvF(9.04, 9.04, 9.04); Calibrated: 2/21/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 1/23/2012
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Flat/Area Scan (81x181x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Maximum value of SAR (interpolated) = 0.179 mW/g

Flat/Zoom Scan (7x7x9)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=3\text{mm}$
Reference Value = 3.26 V/m; Power Drift = 0.022 dB
Peak SAR (extrapolated) = 0.247 W/kg
SAR(1 g) = 0.153 mW/g; SAR(10 g) = 0.089 mW/g
Maximum value of SAR (measured) = 0.182 mW/g



Test Laboratory: A Test Lab Techno Corp.
Date/Time: 4/3/2012 4:12:04 AM

Flat_1xEVDO RA PCS CH600_RETAP Payload size 4096 bits_Front Surface 0mm_Thick Battery_Shoulder strap

DUT: Gobi2000; Type: Gobi2000 PCI Express Mini Card; FCC ID: KDZLXE-FX1WW

Communication System: 1xEVDO PCS ; Frequency: 1880 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.48 \text{ mho/m}$; $\epsilon_r = 51.4$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV3 - SN3519; ConvF(9.04, 9.04, 9.04); Calibrated: 2/21/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 1/23/2012
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Flat/Area Scan (81x181x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Maximum value of SAR (interpolated) = 0.188 mW/g

Flat/Zoom Scan (7x7x9)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=3\text{mm}$
Reference Value = 3.4 V/m; Power Drift = 0.166 dB
Peak SAR (extrapolated) = 0.273 W/kg
SAR(1 g) = 0.166 mW/g; SAR(10 g) = 0.095 mW/g
Maximum value of SAR (measured) = 0.198 mW/g



Test Laboratory: A Test Lab Techno Corp.
Date/Time: 4/2/2012 1:16:56 AM

Flat_1xEVDO RA PCS CH600_RETAP Payload size 4096 bits_Back Surface 0mm_Hip pad Battery

DUT: Gobi2000; Type: Gobi2000 PCI Express Mini Card; FCC ID: KDZLXE-FX1WW

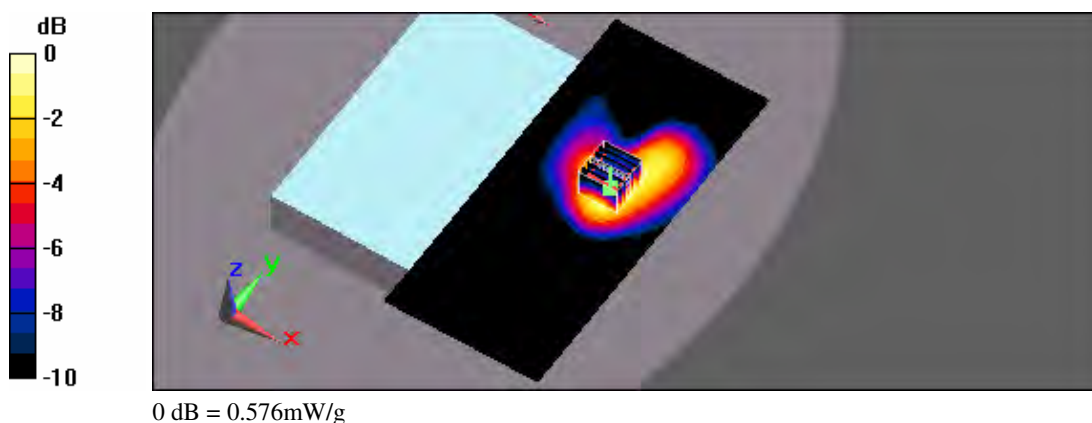
Communication System: 1xEVDO PCS ; Frequency: 1880 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.48 \text{ mho/m}$; $\epsilon_r = 51.4$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV3 - SN3519; ConvF(9.04, 9.04, 9.04); Calibrated: 2/21/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 1/23/2012
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Flat/Area Scan (81x181x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Maximum value of SAR (interpolated) = 0.580 mW/g

Flat/Zoom Scan (7x7x9)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=3\text{mm}$
Reference Value = 2.83 V/m; Power Drift = -0.186 dB
Peak SAR (extrapolated) = 0.746 W/kg
SAR(1 g) = 0.471 mW/g; SAR(10 g) = 0.288 mW/g
Maximum value of SAR (measured) = 0.576 mW/g



Test Laboratory: A Test Lab Techno Corp.
Date/Time: 4/2/2012 6:16:52 AM

Flat_1xEVDO RA PCS CH600_RETAP Payload size 4096 bits_Back Surface 0mm_Hip pad Battery_Hand Strap

DUT: Gobi2000; Type: Gobi2000 PCI Express Mini Card; FCC ID: KDZLXE-FX1WW

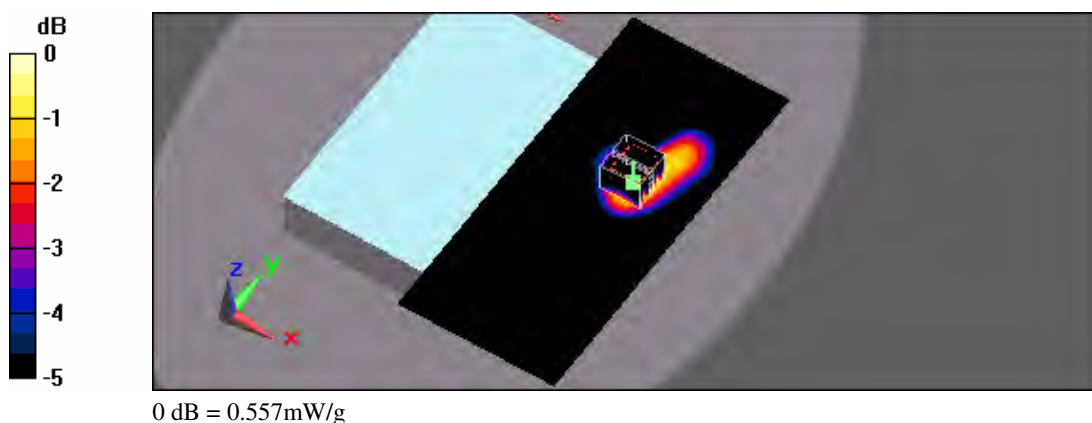
Communication System: 1xEVDO PCS ; Frequency: 1880 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 1880$ MHz; $\sigma = 1.48$ mho/m; $\epsilon_r = 51.4$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV3 - SN3519; ConvF(9.04, 9.04, 9.04); Calibrated: 2/21/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 1/23/2012
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Flat/Area Scan (81x181x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.556 mW/g

Flat/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 2.79 V/m; Power Drift = -0.126 dB
Peak SAR (extrapolated) = 0.736 W/kg
SAR(1 g) = 0.466 mW/g; SAR(10 g) = 0.286 mW/g
Maximum value of SAR (measured) = 0.557 mW/g



Test Laboratory: A Test Lab Techno Corp.
Date/Time: 4/3/2012 5:32:08 AM

Flat_1xEVDO RA PCS CH600_RETAP Payload size 4096 bits_Back Surface 0mm_Hip pad Battery_Shoulder strap

DUT: Gobi2000; Type: Gobi2000 PCI Express Mini Card; FCC ID: KDZLXE-FX1WW

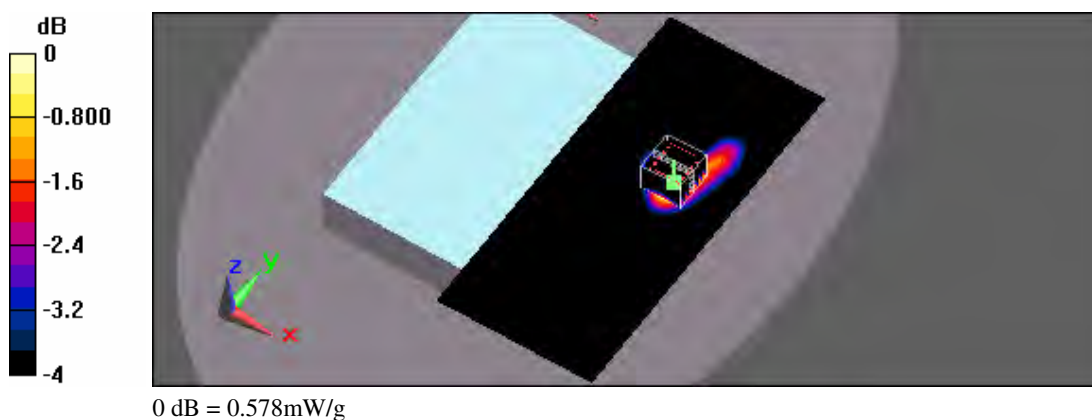
Communication System: 1xEVDO PCS ; Frequency: 1880 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 1880$ MHz; $\sigma = 1.48$ mho/m; $\epsilon_r = 51.4$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV3 - SN3519; ConvF(9.04, 9.04, 9.04); Calibrated: 2/21/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 1/23/2012
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Flat/Area Scan (81x181x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.585 mW/g

Flat/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 3.2 V/m; Power Drift = -0.079 dB
Peak SAR (extrapolated) = 0.749 W/kg
SAR(1 g) = 0.485 mW/g; SAR(10 g) = 0.297 mW/g
Maximum value of SAR (measured) = 0.578 mW/g



Test Laboratory: A Test Lab Techno Corp.
Date/Time: 4/2/2012 2:01:51 AM

Flat_1xEVDO RA PCS CH600_RETAP Payload size 4096 bits_Back Surface 0mm_Thick Battery

DUT: Gobi2000; Type: Gobi2000 PCI Express Mini Card; FCC ID: KDZLXE-FX1WW

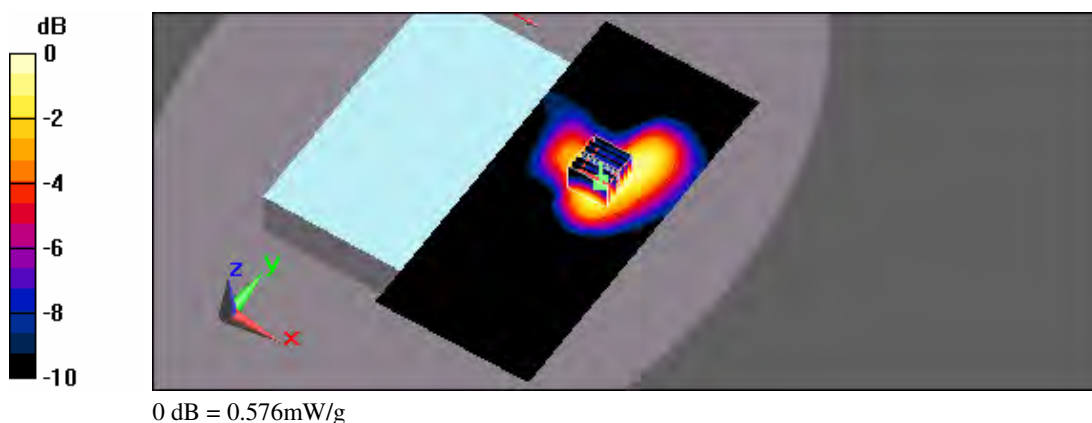
Communication System: 1xEVDO PCS ; Frequency: 1880 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 1880$ MHz; $\sigma = 1.48$ mho/m; $\epsilon_r = 51.4$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV3 - SN3519; ConvF(9.04, 9.04, 9.04); Calibrated: 2/21/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 1/23/2012
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Flat/Area Scan (81x181x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.583 mW/g

Flat/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 3.84 V/m; Power Drift = -0.168 dB
Peak SAR (extrapolated) = 0.767 W/kg
SAR(1 g) = 0.481 mW/g; SAR(10 g) = 0.296 mW/g
Maximum value of SAR (measured) = 0.576 mW/g



Test Laboratory: A Test Lab Techno Corp.
Date/Time: 4/2/2012 7:14:07 AM

Flat_1xEVDO RA PCS CH600_RETAP Payload size 4096 bits_Back Surface 0mm_Thick Battery_Hand Strap

DUT: Gobi2000; Type: Gobi2000 PCI Express Mini Card; FCC ID: KDZLXE-FX1WW

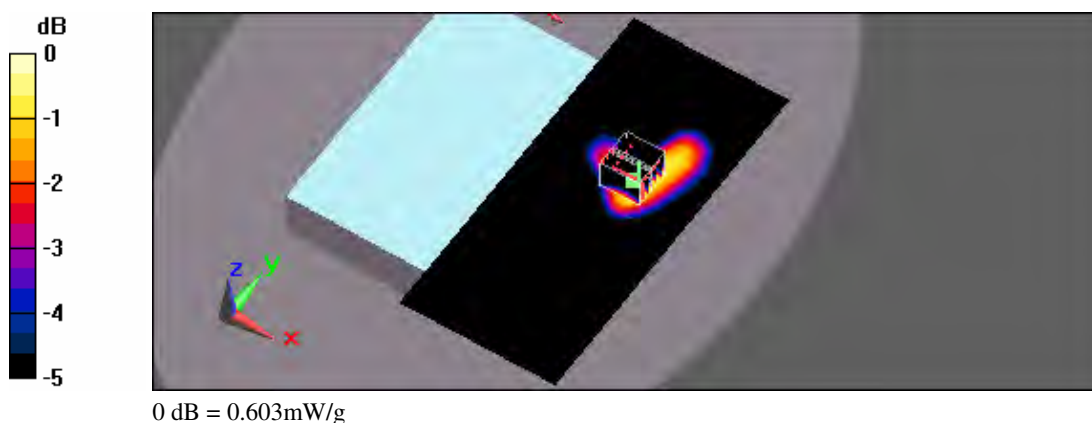
Communication System: 1xEVDO PCS ; Frequency: 1880 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 1880$ MHz; $\sigma = 1.48$ mho/m; $\epsilon_r = 51.4$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV3 - SN3519; ConvF(9.04, 9.04, 9.04); Calibrated: 2/21/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 1/23/2012
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Flat/Area Scan (81x181x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.604 mW/g

Flat/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 3.94 V/m; Power Drift = -0.023 dB
Peak SAR (extrapolated) = 0.799 W/kg
SAR(1 g) = 0.512 mW/g; SAR(10 g) = 0.314 mW/g
Maximum value of SAR (measured) = 0.603 mW/g



Test Laboratory: A Test Lab Techno Corp.
Date/Time: 4/3/2012 4:52:11 AM

Flat_1xEVDO RA PCS CH600_RETAP Payload size 4096 bits_Back Surface 0mm_Thick Battery_Shoulder strap

DUT: Gobi2000; Type: Gobi2000 PCI Express Mini Card; FCC ID: KDZLXE-FX1WW

Communication System: 1xEVDO PCS ; Frequency: 1880 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 1880$ MHz; $\sigma = 1.48$ mho/m; $\epsilon_r = 51.4$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV3 - SN3519; ConvF(9.04, 9.04, 9.04); Calibrated: 2/21/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 1/23/2012
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Flat/Area Scan (81x181x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.594 mW/g

Flat/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 3.83 V/m; Power Drift = 0.106 dB
Peak SAR (extrapolated) = 0.826 W/kg
SAR(1 g) = 0.495 mW/g; SAR(10 g) = 0.300 mW/g
Maximum value of SAR (measured) = 0.592 mW/g





Appendix C - Calibration

All of the instruments Calibration information are listed below.

- Dipole _ D835V2 SN:4d082 Calibration No.D835V2-4d082_Jul11
- Dipole _ D1900V2 SN:5d111 Calibration No.D1900V2-5d111_Jul11
- Probe _ EX3DV3 SN:3519 Calibration No.EX3-3519_Feb12
- DAE _ DAE4 SN:779 Calibration No.DAE4-779_Jan12



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Zeughausstrasse 43, 8004 Zurich, Switzerland



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Multilateral Agreement for the recognition of calibration certificates

Accreditation No.: **SCS 108**

Client **ATL (Auden)**

Certificate No: **D835V2-4d082_Jul11**

CALIBRATION CERTIFICATE

Object **D835V2 - SN: 4d082**

Calibration procedure(s) **QA CAL-05.v8**
Calibration procedure for dipole validation kits above 700 MHz

Calibration date: **July 19, 2011**

This calibration certificate documents the traceability to national standards, which realize the physical units of measurements (SI).
The measurements and the uncertainties with confidence probability are given on the following pages and are part of the certificate.

All calibrations have been conducted in the closed laboratory facility: environment temperature $(22 \pm 3)^{\circ}\text{C}$ and humidity $< 70\%$.

Calibration Equipment used (M&TE critical for calibration)

Primary Standards	ID #	Cal Date (Certificate No.)	Scheduled Calibration
Power meter EPM-442A	GB37480704	06-Oct-10 (No. 217-01266)	Oct-11
Power sensor HP 8481A	US37292783	06-Oct-10 (No. 217-01266)	Oct-11
Reference 20 dB Attenuator	SN: S5086 (20b)	29-Mar-11 (No. 217-01367)	Apr-12
Type-N mismatch combination	SN: 5047.2 / 06327	29-Mar-11 (No. 217-01371)	Apr-12
Reference Probe ES3DV3	SN: 3205	29-Apr-11 (No. ES3-3205_Apr11)	Apr-12
DAE4	SN: 601	04-Jul-11 (No. DAE4-601_Jul11)	Jul-12
Secondary Standards	ID #	Check Date (in house)	Scheduled Check
Power sensor HP 8481A	MY41092317	18-Oct-02 (in house check Oct-09)	In house check: Oct-11
RF generator R&S SMT-06	100005	04-Aug-99 (in house check Oct-09)	In house check: Oct-11
Network Analyzer HP 8753E	US37390585 S4206	18-Oct-01 (in house check Oct-10)	In house check: Oct-11

Calibrated by: **Name** **Function**
Claudio Leubler **Laboratory Technician**

Approved by: **Katja Pokovic** **Technical Manager**

Signature

Issued: July 19, 2011

This calibration certificate shall not be reproduced except in full without written approval of the laboratory.

Certificate No: D835V2-4d082_Jul11

Page 1 of 8

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Accreditation No.: **SCS 108**

Glossary:

TSL	tissue simulating liquid
ConvF	sensitivity in TSL / NORM x,y,z
N/A	not applicable or not measured

Calibration is Performed According to the Following Standards:

- IEEE Std 1528-2003, "IEEE Recommended Practice for Determining the Peak Spatial-Averaged Specific Absorption Rate (SAR) in the Human Head from Wireless Communications Devices: Measurement Techniques", December 2003
- IEC 62209-1, "Procedure to measure the Specific Absorption Rate (SAR) for hand-held devices used in close proximity to the ear (frequency range of 300 MHz to 3 GHz)", February 2005
- Federal Communications Commission Office of Engineering & Technology (FCC OET), "Evaluating Compliance with FCC Guidelines for Human Exposure to Radiofrequency Electromagnetic Fields; Additional Information for Evaluating Compliance of Mobile and Portable Devices with FCC Limits for Human Exposure to Radiofrequency Emissions", Supplement C (Edition 01-01) to Bulletin 65

Additional Documentation:

- DASY4/5 System Handbook

Methods Applied and Interpretation of Parameters:

- Measurement Conditions:** Further details are available from the Validation Report at the end of the certificate. All figures stated in the certificate are valid at the frequency indicated.
- Antenna Parameters with TSL:** The dipole is mounted with the spacer to position its feed point exactly below the center marking of the flat phantom section, with the arms oriented parallel to the body axis.
- Feed Point Impedance and Return Loss:** These parameters are measured with the dipole positioned under the liquid filled phantom. The impedance stated is transformed from the measurement at the SMA connector to the feed point. The Return Loss ensures low reflected power. No uncertainty required.
- Electrical Delay:** One-way delay between the SMA connector and the antenna feed point. No uncertainty required.
- SAR measured:** SAR measured at the stated antenna input power.
- SAR normalized:** SAR as measured, normalized to an input power of 1 W at the antenna connector.
- SAR for nominal TSL parameters:** The measured TSL parameters are used to calculate the nominal SAR result.

Measurement Conditions

DASY system configuration, as far as not given on page 1.

DASY Version	DASY5	V52.6.2
Extrapolation	Advanced Extrapolation	
Phantom	Modular Flat Phantom	
Distance Dipole Center - TSL	15 mm	with Spacer
Zoom Scan Resolution	dx, dy, dz = 5 mm	
Frequency	835 MHz $\pm$ 1 MHz	

Head TSL parameters

The following parameters and calculations were applied.

	Temperature	Permittivity	Conductivity
Nominal Head TSL parameters	22.0 °C	41.5	0.90 mho/m
Measured Head TSL parameters	(22.0 $\pm$ 0.2) °C	41.0 $\pm$ 6 %	0.88 mho/m $\pm$ 6 %
Head TSL temperature change during test	< 0.5 °C	----	----

SAR result with Head TSL

SAR averaged over 1 cm ³ (1 g) of Head TSL	Condition	
SAR measured	250 mW input power	2.28 mW / g
SAR for nominal Head TSL parameters	normalized to 1W	9.25 mW / g $\pm$ 17.0 % (k=2)

SAR averaged over 10 cm ³ (10 g) of Head TSL	condition	
SAR measured	250 mW input power	1.50 mW / g
SAR for nominal Head TSL parameters	normalized to 1W	6.07 mW / g $\pm$ 16.5 % (k=2)

Body TSL parameters

The following parameters and calculations were applied.

	Temperature	Permittivity	Conductivity
Nominal Body TSL parameters	22.0 °C	55.2	0.97 mho/m
Measured Body TSL parameters	(22.0 $\pm$ 0.2) °C	53.8 $\pm$ 6 %	0.98 mho/m $\pm$ 6 %
Body TSL temperature change during test	< 0.5 °C	----	----

SAR result with Body TSL

SAR averaged over 1 cm ³ (1 g) of Body TSL	Condition	
SAR measured	250 mW input power	2.39 mW / g
SAR for nominal Body TSL parameters	normalized to 1W	9.43 mW / g $\pm$ 17.0 % (k=2)

SAR averaged over 10 cm ³ (10 g) of Body TSL	condition	
SAR measured	250 mW input power	1.57 mW / g
SAR for nominal Body TSL parameters	normalized to 1W	6.22 mW / g $\pm$ 16.5 % (k=2)



Appendix

Antenna Parameters with Head TSL

Impedance, transformed to feed point	50.4 Ω - 7.0 j Ω
Return Loss	- 23.1 dB

Antenna Parameters with Body TSL

Impedance, transformed to feed point	46.1 Ω - 8.8 j Ω
Return Loss	- 20.0 dB

General Antenna Parameters and Design

Electrical Delay (one direction)	1.389 ns
----------------------------------	----------

After long term use with 100W radiated power, only a slight warming of the dipole near the feedpoint can be measured.

The dipole is made of standard semirigid coaxial cable. The center conductor of the feeding line is directly connected to the second arm of the dipole. The antenna is therefore short-circuited for DC-signals.

No excessive force must be applied to the dipole arms, because they might bend or the soldered connections near the feedpoint may be damaged.

Additional EUT Data

Manufactured by	SPEAG
Manufactured on	October 17, 2008

DASY5 Validation Report for Head TSL

Date: 18.07.2011

Test Laboratory: SPEAG, Zurich, Switzerland

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

Communication System: CW; Frequency: 835 MHz

Medium parameters used: $f = 835 \text{ MHz}$; $\sigma = 0.88 \text{ mho/m}$; $\epsilon_r = 41$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY52 Configuration:

- Probe: ES3DV3 - SN3205; ConvF(6.07, 6.07, 6.07); Calibrated: 29.04.2011
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn601; Calibrated: 04.07.2011
- Phantom: Flat Phantom 4.9L; Type: QD000P49AA; Serial: 1001
- DASY52 52.6.2(482); SEMCAD X 14.4.5(3634)

Dipole Calibration for Head Tissue/Pin=250 mW, d=15mm/Zoom Scan (7x7x7)/Cube 0:

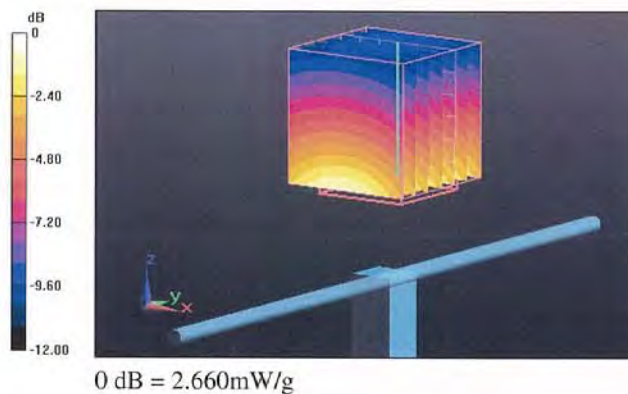
Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 56.745 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 3.357 W/kg

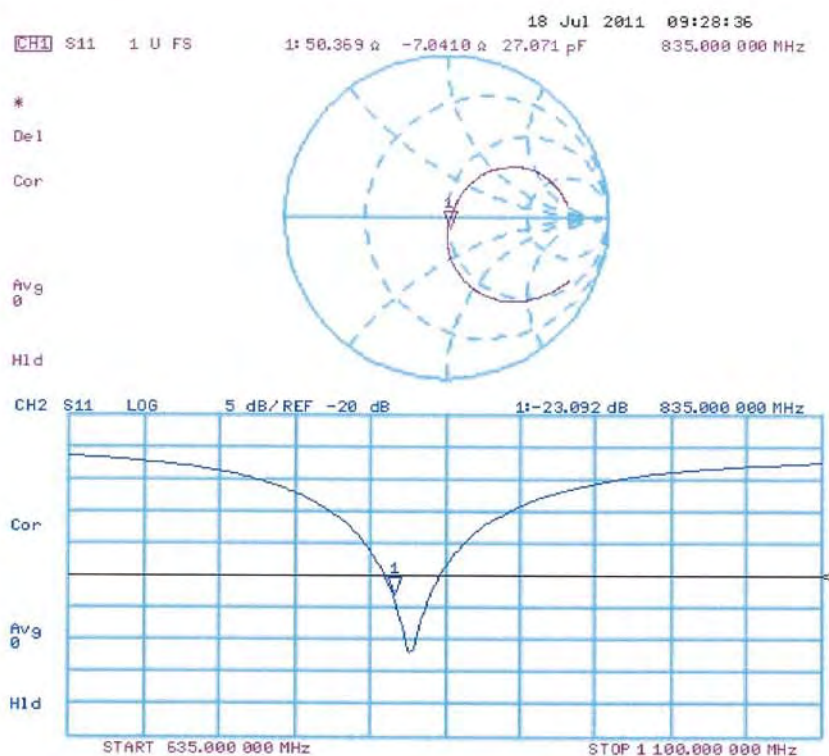
SAR(1 g) = 2.28 mW/g; SAR(10 g) = 1.5 mW/g

Maximum value of SAR (measured) = 2.657 mW/g





Impedance Measurement Plot for Head TSL



DASY5 Validation Report for Body TSL

Date: 19.07.2011

Test Laboratory: SPEAG, Zurich, Switzerland

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

Communication System: CW; Frequency: 835 MHz

Medium parameters used: $f = 835 \text{ MHz}$; $\sigma = 0.98 \text{ mho/m}$; $\epsilon_r = 53.8$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY52 Configuration:

- Probe: ES3DV3 - SN3205; ConvF(6.02, 6.02, 6.02); Calibrated: 29.04.2011
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn601; Calibrated: 04.07.2011
- Phantom: Flat Phantom 4.9L; Type: QD000P49AA; Serial: 1001
- DASY52 52.6.2(482); SEMCAD X 14.4.5(3634)

Dipole Calibration for Body Tissue/Pin=250 mW, d=15mm/Zoom Scan (7x7x7)/Cube 0:

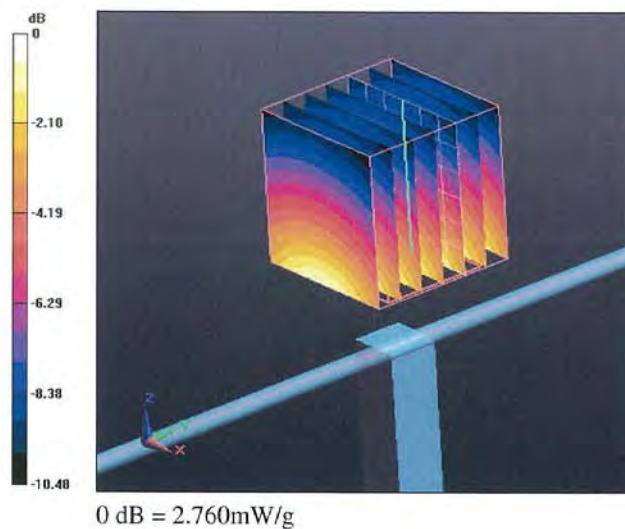
Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 54.883 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 3.464 W/kg

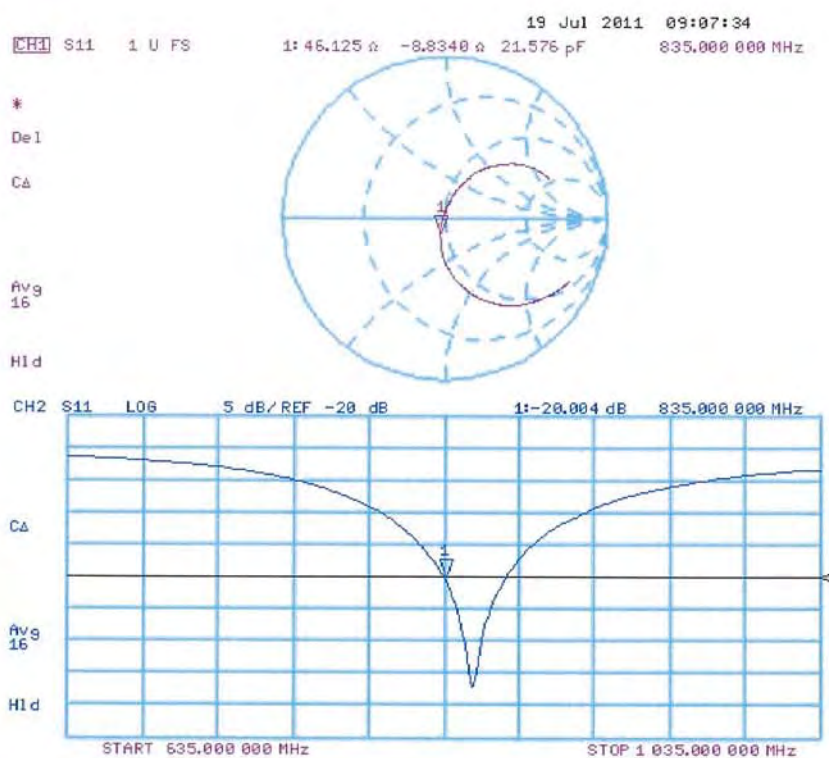
SAR(1 g) = 2.39 mW/g; SAR(10 g) = 1.57 mW/g

Maximum value of SAR (measured) = 2.762 mW/g





Impedance Measurement Plot for Body TSL





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Multilateral Agreement for the recognition of calibration certificates

Accreditation No.: **SCS 108**

Client **ATL (Auden)**

Certificate No: **D1900V2-5d111_Jul11**

CALIBRATION CERTIFICATE

Object **D1900V2 - SN: 5d111**

Calibration procedure(s) **QA CAL-05.v8
Calibration procedure for dipole validation kits above 700 MHz**

Calibration date: **July 22, 2011**

This calibration certificate documents the traceability to national standards, which realize the physical units of measurements (SI).
The measurements and the uncertainties with confidence probability are given on the following pages and are part of the certificate.

All calibrations have been conducted in the closed laboratory facility: environment temperature $(22 \pm 3)^{\circ}\text{C}$ and humidity $< 70\%$.

Calibration Equipment used (M&TE critical for calibration)

Primary Standards	ID #	Cal Date (Certificate No.)	Scheduled Calibration
Power meter EPM-442A	GB37480704	06-Oct-10 (No. 217-01266)	Oct-11
Power sensor HP 8481A	US37292783	06-Oct-10 (No. 217-01266)	Oct-11
Reference 20 dB Attenuator	SN: S5086 (20b)	29-Mar-11 (No. 217-01367)	Apr-12
Type-N mismatch combination	SN: 5047.2 / 06327	29-Mar-11 (No. 217-01371)	Apr-12
Reference Probe ES3DV3	SN: 3205	29-Apr-11 (No. ES3-3205_Apr11)	Apr-12
DAE4	SN: 601	04-Jul-11 (No. DAE4-601_Jul11)	Jul-12
Secondary Standards	ID #	Check Date (in house)	Scheduled Check
Power sensor HP 8481A	MY41092317	18-Oct-02 (in house check Oct-09)	In house check: Oct-11
RF generator R&S SMT-06	100005	04-Aug-99 (in house check Oct-09)	In house check: Oct-11
Network Analyzer HP 8753E	US37390585 S4206	18-Oct-01 (in house check Oct-10)	In house check: Oct-11

	Name	Function	Signature
Calibrated by:	Dimce Iliev	Laboratory Technician	
Approved by:	Katja Pokovic	Technical Manager	

Issued: July 22, 2011

This calibration certificate shall not be reproduced except in full without written approval of the laboratory.

Certificate No: D1900V2-5d111_Jul11

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 Multilateral Agreement for the recognition of calibration certificates

Accreditation No.: **SCS 108**

Glossary:

TSL	tissue simulating liquid
ConvF	sensitivity in TSL / NORM x,y,z
N/A	not applicable or not measured

Calibration is Performed According to the Following Standards:

- IEEE Std 1528-2003, "IEEE Recommended Practice for Determining the Peak Spatial-Averaged Specific Absorption Rate (SAR) in the Human Head from Wireless Communications Devices: Measurement Techniques", December 2003
- IEC 62209-1, "Procedure to measure the Specific Absorption Rate (SAR) for hand-held devices used in close proximity to the ear (frequency range of 300 MHz to 3 GHz)", February 2005
- Federal Communications Commission Office of Engineering & Technology (FCC OET), "Evaluating Compliance with FCC Guidelines for Human Exposure to Radiofrequency Electromagnetic Fields; Additional Information for Evaluating Compliance of Mobile and Portable Devices with FCC Limits for Human Exposure to Radiofrequency Emissions", Supplement C (Edition 01-01) to Bulletin 65

Additional Documentation:

- DASY4/5 System Handbook

Methods Applied and Interpretation of Parameters:

- Measurement Conditions:** Further details are available from the Validation Report at the end of the certificate. All figures stated in the certificate are valid at the frequency indicated.
- Antenna Parameters with TSL:** The dipole is mounted with the spacer to position its feed point exactly below the center marking of the flat phantom section, with the arms oriented parallel to the body axis.
- Feed Point Impedance and Return Loss:** These parameters are measured with the dipole positioned under the liquid filled phantom. The impedance stated is transformed from the measurement at the SMA connector to the feed point. The Return Loss ensures low reflected power. No uncertainty required.
- Electrical Delay:** One-way delay between the SMA connector and the antenna feed point. No uncertainty required.
- SAR measured:** SAR measured at the stated antenna input power.
- SAR normalized:** SAR as measured, normalized to an input power of 1 W at the antenna connector.
- SAR for nominal TSL parameters:** The measured TSL parameters are used to calculate the nominal SAR result.

Measurement Conditions

DASY system configuration, as far as not given on page 1.

DASY Version	DASY5	V52.6.2
Extrapolation	Advanced Extrapolation	
Phantom	Modular Flat Phantom	
Distance Dipole Center - TSL	10 mm	with Spacer
Zoom Scan Resolution	dx, dy, dz = 5 mm	
Frequency	1900 MHz $\pm$ 1 MHz	

Head TSL parameters

The following parameters and calculations were applied.

	Temperature	Permittivity	Conductivity
Nominal Head TSL parameters	22.0 °C	40.0	1.40 mho/m
Measured Head TSL parameters	(22.0 $\pm$ 0.2) °C	39.1 $\pm$ 6 %	1.42 mho/m $\pm$ 6 %
Head TSL temperature change during test	< 0.5 °C	----	----

SAR result with Head TSL

SAR averaged over 1 cm ³ (1 g) of Head TSL	Condition	
SAR measured	250 mW input power	10.1 mW / g
SAR for nominal Head TSL parameters	normalized to 1W	39.9 mW / g $\pm$ 17.0 % (k=2)

SAR averaged over 10 cm ³ (10 g) of Head TSL	condition	
SAR measured	250 mW input power	5.25 mW / g
SAR for nominal Head TSL parameters	normalized to 1W	20.8 mW / g $\pm$ 16.5 % (k=2)

Body TSL parameters

The following parameters and calculations were applied.

	Temperature	Permittivity	Conductivity
Nominal Body TSL parameters	22.0 °C	53.3	1.52 mho/m
Measured Body TSL parameters	(22.0 $\pm$ 0.2) °C	52.3 $\pm$ 6 %	1.53 mho/m $\pm$ 6 %
Body TSL temperature change during test	< 0.5 °C	----	----

SAR result with Body TSL

SAR averaged over 1 cm ³ (1 g) of Body TSL	Condition	
SAR measured	250 mW input power	10.3 mW / g
SAR for nominal Body TSL parameters	normalized to 1W	40.9 mW / g $\pm$ 17.0 % (k=2)

SAR averaged over 10 cm ³ (10 g) of Body TSL	condition	
SAR measured	250 mW input power	5.39 mW / g
SAR for nominal Body TSL parameters	normalized to 1W	21.5 mW / g $\pm$ 16.5 % (k=2)



Appendix

Antenna Parameters with Head TSL

Impedance, transformed to feed point	$51.3 \Omega + 6.7 j\Omega$
Return Loss	- 23.5 dB

Antenna Parameters with Body TSL

Impedance, transformed to feed point	$45.9 \Omega + 6.6 j\Omega$
Return Loss	- 21.8 dB

General Antenna Parameters and Design

Electrical Delay (one direction)	1.201 ns
----------------------------------	----------

After long term use with 100W radiated power, only a slight warming of the dipole near the feedpoint can be measured.

The dipole is made of standard semirigid coaxial cable. The center conductor of the feeding line is directly connected to the second arm of the dipole. The antenna is therefore short-circuited for DC-signals.

No excessive force must be applied to the dipole arms, because they might bend or the soldered connections near the feedpoint may be damaged.

Additional EUT Data

Manufactured by	SPEAG
Manufactured on	March 28, 2008

DASY5 Validation Report for Head TSL

Date: 20.07.2011

Test Laboratory: SPEAG, Zurich, Switzerland

DUT: Dipole 1900 MHz; Type: D1900V2; Serial: D1900V2 - SN: 5d111

Communication System: CW; Frequency: 1900 MHz

Medium parameters used: $f = 1900$ MHz; $\sigma = 1.42$ mho/m; $\epsilon_r = 39.1$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY52 Configuration:

- Probe: ES3DV3 - SN3205; ConvF(5.01, 5.01, 5.01); Calibrated: 29.04.2011
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn601; Calibrated: 04.07.2011
- Phantom: Flat Phantom 5.0 (front); Type: QD000P50AA; Serial: 1001
- DASY52 52.6.2(482); SEMCAD X 14.4.5(3634)

Dipole Calibration for Head Tissue/Pin=250 mW, d=10mm/Zoom Scan (7x7x7)/Cube 0:

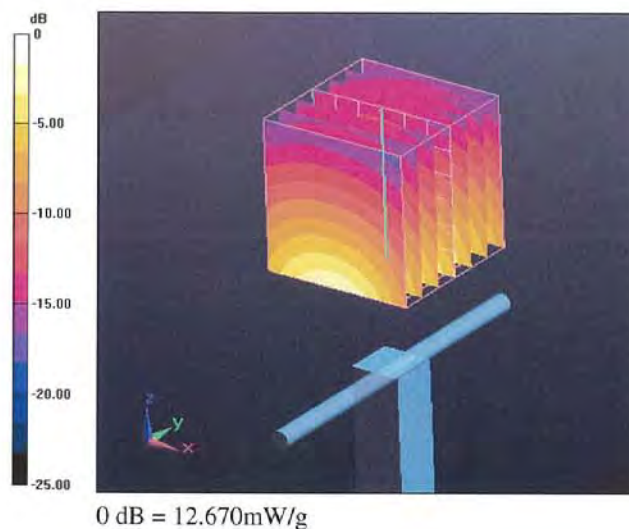
Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 98.068 V/m; Power Drift = 0.03 dB

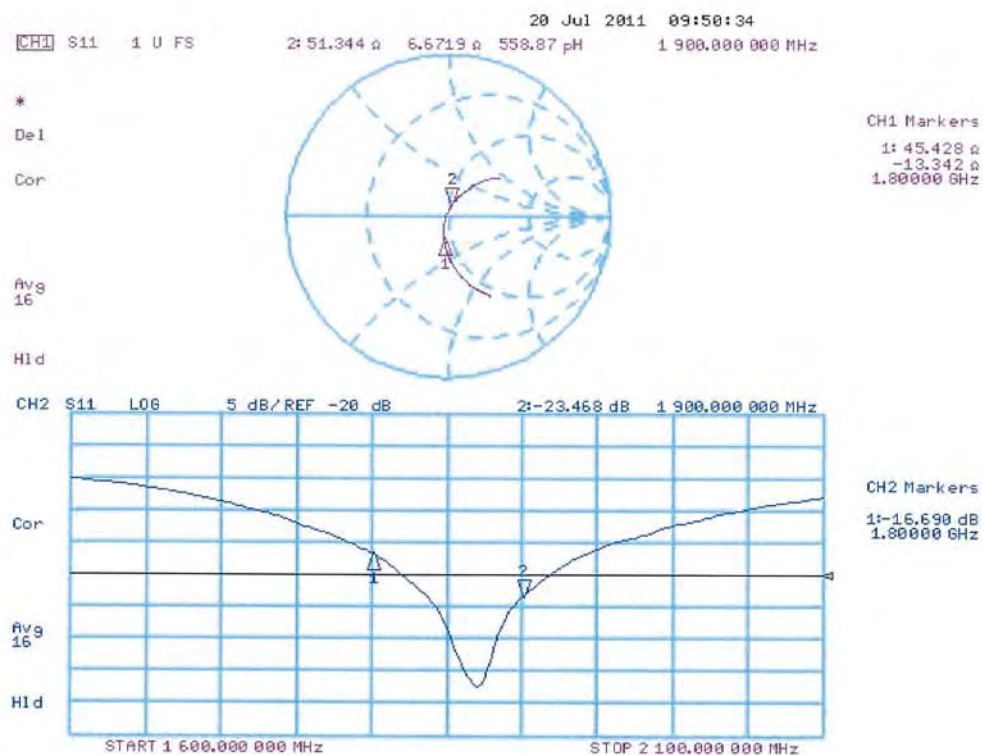
Peak SAR (extrapolated) = 18.391 W/kg

SAR(1 g) = 10.1 mW/g; SAR(10 g) = 5.25 mW/g

Maximum value of SAR (measured) = 12.667 mW/g



Impedance Measurement Plot for Head TSL



DASY5 Validation Report for Body TSL

Date: 22.07.2011

Test Laboratory: SPEAG, Zurich, Switzerland

DUT: Dipole 1900 MHz; Type: D1900V2; Serial: D1900V2 - SN: 5d111

Communication System: CW; Frequency: 1900 MHz

Medium parameters used: $f = 1900$ MHz; $\sigma = 1.53$ mho/m; $\epsilon_r = 52.3$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY52 Configuration:

- Probe: ES3DV3 - SN3205; ConvF(4.62, 4.62, 4.62); Calibrated: 29.04.2011
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn601; Calibrated: 04.07.2011
- Phantom: Flat Phantom 5.0 (back); Type: QD000P50AA; Serial: 1002
- DASY52 52.6.2(482); SEMCAD X 14.4.5(3634)

Dipole Calibration for Body Tissue/Pin=250 mW, d=10mm/Zoom Scan (7x7x7)/Cube 0:

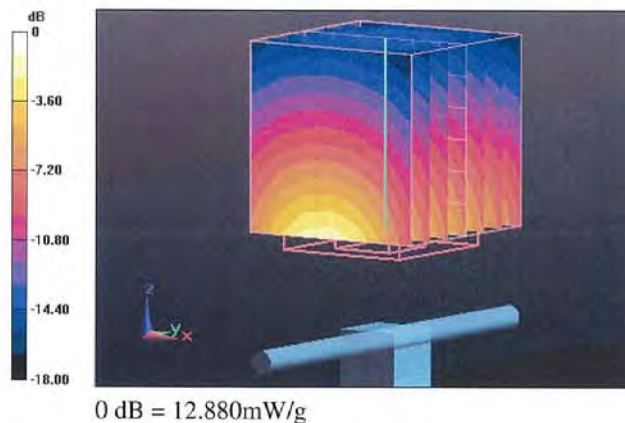
Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 95.720 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 18.122 W/kg

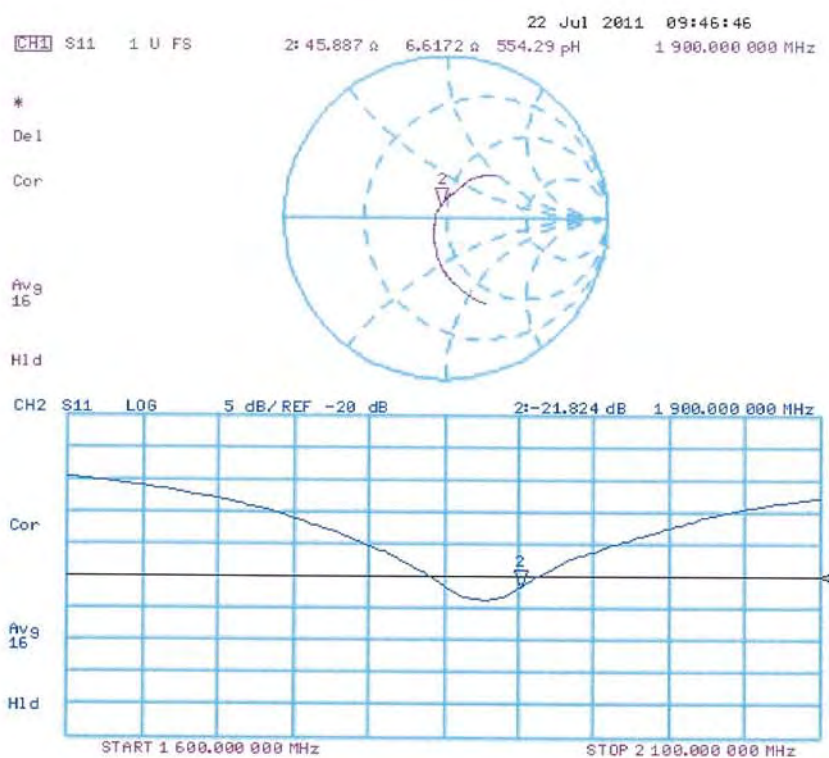
SAR(1 g) = 10.3 mW/g; SAR(10 g) = 5.39 mW/g

Maximum value of SAR (measured) = 12.882 mW/g





Impedance Measurement Plot for Body TSL



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Accreditation No.: **SCS 108**

Client **ATL (Auden)**

Certificate No: **EX3-3519_Feb12**

CALIBRATION CERTIFICATE

Object **EX3DV3 - SN:3519**

Calibration procedure(s) **QA CAL-01.v8, QA CAL-12.v7, QA CAL-14.v3, QA CAL-23.v4,
QA CAL-25.v4
Calibration procedure for dosimetric E-field probes**

Calibration date: **February 21, 2012**

This calibration certificate documents the traceability to national standards, which realize the physical units of measurements (SI).
The measurements and the uncertainties with confidence probability are given on the following pages and are part of the certificate.

All calibrations have been conducted in the closed laboratory facility: environment temperature (22 ± 3)°C and humidity < 70%.

Calibration Equipment used (M&TE critical for calibration)

Primary Standards	ID	Cal Date (Certificate No.)	Scheduled Calibration
Power meter E4419B	GB41293874	31-Mar-11 (No. 217-01372)	Apr-12
Power sensor E4412A	MY41498087	31-Mar-11 (No. 217-01372)	Apr-12
Reference 3 dB Attenuator	SN: S5054 (3c)	29-Mar-11 (No. 217-01369)	Apr-12
Reference 20 dB Attenuator	SN: S5086 (20b)	29-Mar-11 (No. 217-01367)	Apr-12
Reference 30 dB Attenuator	SN: S5129 (30b)	29-Mar-11 (No. 217-01370)	Apr-12
Reference Probe ES3DV2	SN: 3013	29-Dec-11 (No. ES3-3013_Dec11)	Dec-12
DAE4	SN: 654	3-May-11 (No. DAE4-654_May11)	May-12
Secondary Standards	ID	Check Date (in house)	Scheduled Check
RF generator HP 8648C	US3642U01700	4-Aug-99 (in house check Apr-11)	In house check: Apr-13
Network Analyzer HP 8753E	US37390585	18-Oct-01 (in house check Oct-11)	In house check: Oct-12

	Name	Function	Signature
Calibrated by:	Jeton Kastrati	Laboratory Technician	
Approved by:	Katja Pokovic	Technical Manager	
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Certificate No: EX3-3519_Feb12

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Accreditation No.: **SCS 108**

Glossary:

TSL	tissue simulating liquid
NORM _{x,y,z}	sensitivity in free space
ConvF	sensitivity in TSL / NORM _{x,y,z}
DCP	diode compression point
CF	crest factor (1/duty_cycle) of the RF signal
A, B, C	modulation dependent linearization parameters
Polarization φ	φ rotation around probe axis
Polarization ϑ	ϑ rotation around an axis that is in the plane normal to probe axis (at measurement center), i.e., $\vartheta = 0$ is normal to probe axis

Calibration is Performed According to the Following Standards:

- IEEE Std 1528-2003, "IEEE Recommended Practice for Determining the Peak Spatial-Averaged Specific Absorption Rate (SAR) in the Human Head from Wireless Communications Devices: Measurement Techniques", December 2003
- IEC 62209-1, "Procedure to measure the Specific Absorption Rate (SAR) for hand-held devices used in close proximity to the ear (frequency range of 300 MHz to 3 GHz)", February 2005

Methods Applied and Interpretation of Parameters:

- NORM_{x,y,z}**: Assessed for E-field polarization $\vartheta = 0$ ($f \leq 900$ MHz in TEM-cell; $f > 1800$ MHz: R22 waveguide). NORM_{x,y,z} are only intermediate values, i.e., the uncertainties of NORM_{x,y,z} does not affect the E^2 -field uncertainty inside TSL (see below **ConvF**).
- NORM(f)_{x,y,z}** = NORM_{x,y,z} * frequency_response (see Frequency Response Chart). This linearization is implemented in DASY4 software versions later than 4.2. The uncertainty of the frequency response is included in the stated uncertainty of **ConvF**.
- DCP_{x,y,z}**: DCP are numerical linearization parameters assessed based on the data of power sweep with CW signal (no uncertainty required). DCP does not depend on frequency nor media.
- PAR**: PAR is the Peak to Average Ratio that is not calibrated but determined based on the signal characteristics
- A_{x,y,z}; B_{x,y,z}; C_{x,y,z}; VR_{x,y,z}**: A, B, C are numerical linearization parameters assessed based on the data of power sweep for specific modulation signal. The parameters do not depend on frequency nor media. VR is the maximum calibration range expressed in RMS voltage across the diode.
- ConvF and Boundary Effect Parameters**: Assessed in flat phantom using E-field (or Temperature Transfer Standard for $f \leq 800$ MHz) and inside waveguide using analytical field distributions based on power measurements for $f > 800$ MHz. The same setups are used for assessment of the parameters applied for boundary compensation (alpha, depth) of which typical uncertainty values are given. These parameters are used in DASY4 software to improve probe accuracy close to the boundary. The sensitivity in TSL corresponds to NORM_{x,y,z} * ConvF whereby the uncertainty corresponds to that given for ConvF. A frequency dependent ConvF is used in DASY version 4.4 and higher which allows extending the validity from ± 50 MHz to ± 100 MHz.
- Spherical isotropy (3D deviation from isotropy)**: in a field of low gradients realized using a flat phantom exposed by a patch antenna.
- Sensor Offset**: The sensor offset corresponds to the offset of virtual measurement center from the probe tip (on probe axis). No tolerance required.



EX3DV3 – SN:3519

February 21, 2012

Probe EX3DV3

SN:3519

Manufactured: March 8, 2004
Calibrated: February 21, 2012

Calibrated for DASY/EASY Systems
(Note: non-compatible with DASY2 system!)

DASY/EASY - Parameters of Probe: EX3DV3 - SN:3519

Basic Calibration Parameters

	Sensor X	Sensor Y	Sensor Z	Unc (k=2)
Norm ($\mu\text{V}/(\text{V}/\text{m})^2$) ^A	0.81	0.70	0.72	± 10.1 %
DCP (mV) ^B	102.5	100.6	101.7	

Modulation Calibration Parameters

UID	Communication System Name	PAR		A dB	B dB	C dB	VR mV	Unc ^E (k=2)
10000	CW	0.00	X	0.00	0.00	1.00	120.7	±1.9 %
			Y	0.00	0.00	1.00	136.5	
			Z	0.00	0.00	1.00	108.9	

The reported uncertainty of measurement is stated as the standard uncertainty of measurement multiplied by the coverage factor k=2, which for a normal distribution corresponds to a coverage probability of approximately 95%.

^A The uncertainties of NormX,Y,Z do not affect the E²-field uncertainty inside TSL (see Pages 5 and 6).

^B Numerical linearization parameter: uncertainty not required.

^E Uncertainty is determined using the max. deviation from linear response applying rectangular distribution and is expressed for the square of the field value.

DASY/EASY - Parameters of Probe: EX3DV3 - SN:3519

Calibration Parameter Determined in Head Tissue Simulating Media

f (MHz) ^C	Relative Permittivity ^F	Conductivity (S/m) ^F	ConvF X	ConvF Y	ConvF Z	Alpha	Depth (mm)	Unct. (k=2)
450	43.5	0.87	10.74	10.74	10.74	0.10	1.00	± 13.4 %
750	41.9	0.89	10.59	10.59	10.59	0.22	1.15	± 12.0 %
835	41.5	0.90	10.13	10.13	10.13	0.21	1.25	± 12.0 %
900	41.5	0.97	9.99	9.99	9.99	0.31	0.93	± 12.0 %
1750	40.1	1.37	9.40	9.40	9.40	0.64	0.63	± 12.0 %
1810	40.0	1.40	9.17	9.17	9.17	0.52	0.76	± 12.0 %
1900	40.0	1.40	9.04	9.04	9.04	0.35	0.85	± 12.0 %
2000	40.0	1.40	8.93	8.93	8.93	0.46	0.76	± 12.0 %
2450	39.2	1.80	7.82	7.82	7.82	0.36	0.83	± 12.0 %
5200	36.0	4.66	5.06	5.06	5.06	0.35	1.80	± 13.1 %
5300	35.9	4.76	4.82	4.82	4.82	0.38	1.80	± 13.1 %
5500	35.6	4.96	4.67	4.67	4.67	0.40	1.80	± 13.1 %
5600	35.5	5.07	4.36	4.36	4.36	0.45	1.80	± 13.1 %
5800	35.3	5.27	4.31	4.31	4.31	0.42	1.80	± 13.1 %

^C Frequency validity of ± 100 MHz only applies for DASY v4.4 and higher (see Page 2), else it is restricted to ± 50 MHz. The uncertainty is the RSS of the ConvF uncertainty at calibration frequency and the uncertainty for the indicated frequency band.

^F At frequencies below 3 GHz, the validity of tissue parameters (ϵ and σ) can be relaxed to ± 10% if liquid compensation formula is applied to measured SAR values. At frequencies above 3 GHz, the validity of tissue parameters (ϵ and σ) is restricted to ± 5%. The uncertainty is the RSS of the ConvF uncertainty for indicated target tissue parameters.

DASY/EASY - Parameters of Probe: EX3DV3 - SN:3519

Calibration Parameter Determined in Body Tissue Simulating Media

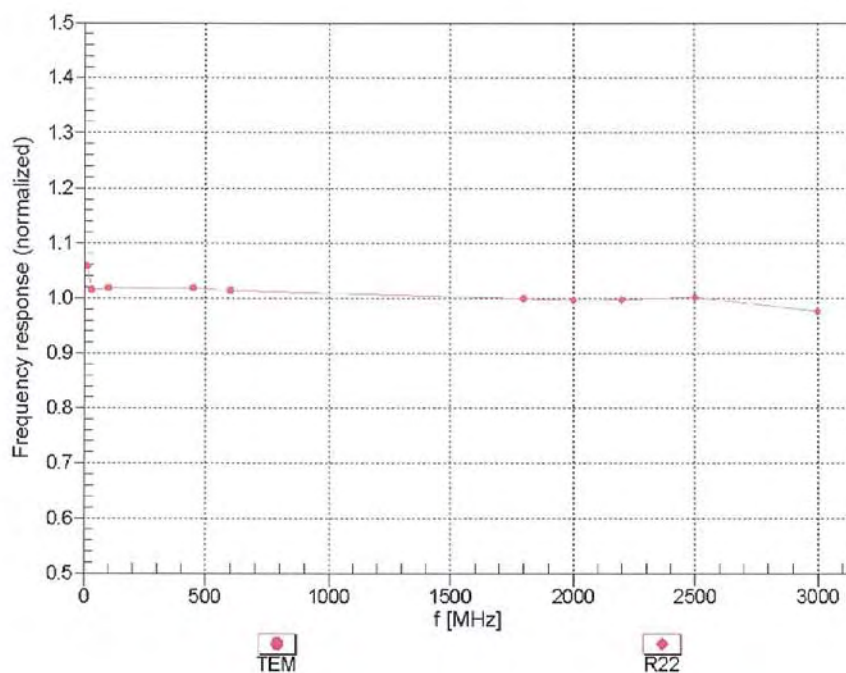
f (MHz) ^C	Relative Permittivity ^F	Conductivity (S/m) ^F	ConvF X	ConvF Y	ConvF Z	Alpha	Depth (mm)	Unct. (k=2)
450	56.7	0.94	11.71	11.71	11.71	0.02	1.00	± 13.4 %
750	55.5	0.96	10.53	10.53	10.53	0.18	1.49	± 12.0 %
835	55.2	0.97	10.36	10.36	10.36	0.23	1.22	± 12.0 %
900	55.0	1.05	10.27	10.27	10.27	0.21	1.34	± 12.0 %
1750	53.4	1.49	9.70	9.70	9.70	0.41	0.92	± 12.0 %
1810	53.3	1.52	9.41	9.41	9.41	0.32	0.96	± 12.0 %
1900	53.3	1.52	9.04	9.04	9.04	0.37	0.91	± 12.0 %
2000	53.3	1.52	9.06	9.06	9.06	0.44	0.80	± 12.0 %
2300	52.9	1.81	8.56	8.56	8.56	0.39	0.84	± 12.0 %
2450	52.7	1.95	8.22	8.22	8.22	0.76	0.54	± 12.0 %
2600	52.5	2.16	7.82	7.82	7.82	0.80	0.50	± 12.0 %
3500	51.3	3.31	7.01	7.01	7.01	0.37	1.18	± 13.1 %
5200	49.0	5.30	4.38	4.38	4.38	0.50	1.90	± 13.1 %
5300	48.9	5.42	4.13	4.13	4.13	0.55	1.90	± 13.1 %
5500	48.6	5.65	3.92	3.92	3.92	0.55	1.90	± 13.1 %
5600	48.5	5.77	3.61	3.61	3.61	0.60	1.90	± 13.1 %
5800	48.2	6.00	3.88	3.88	3.88	0.60	1.90	± 13.1 %

^C Frequency validity of ± 100 MHz only applies for DASY v4.4 and higher (see Page 2), else it is restricted to ± 50 MHz. The uncertainty is the RSS of the ConvF uncertainty at calibration frequency and the uncertainty for the indicated frequency band.

^F At frequencies below 3 GHz, the validity of tissue parameters (ϵ and σ) can be relaxed to ± 10% if liquid compensation formula is applied to measured SAR values. At frequencies above 3 GHz, the validity of tissue parameters (ϵ and σ) is restricted to ± 5%. The uncertainty is the RSS of the ConvF uncertainty for indicated target tissue parameters.

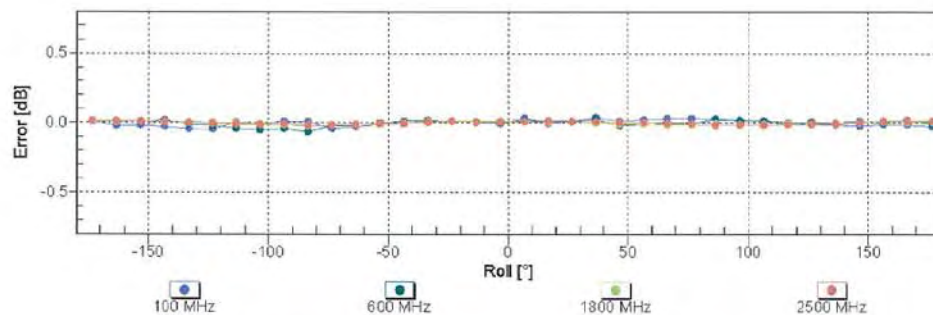
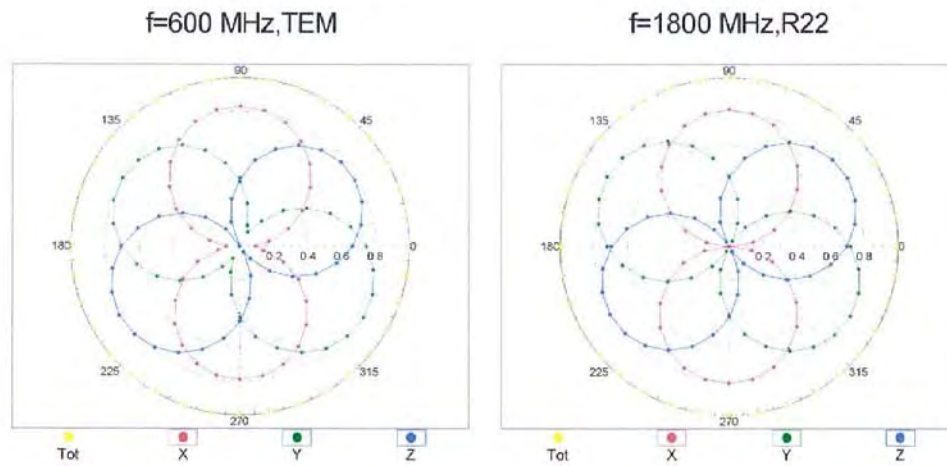
Frequency Response of E-Field

(TEM-Cell:ifi110 EXX, Waveguide: R22)



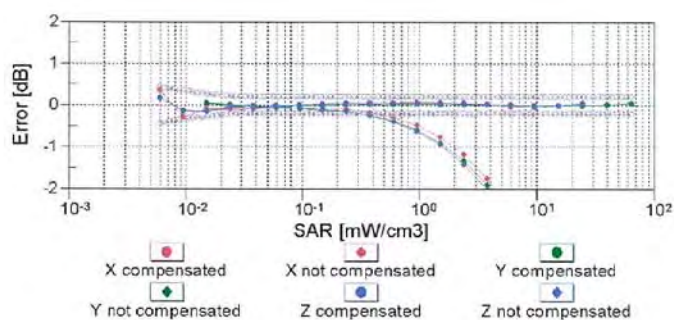
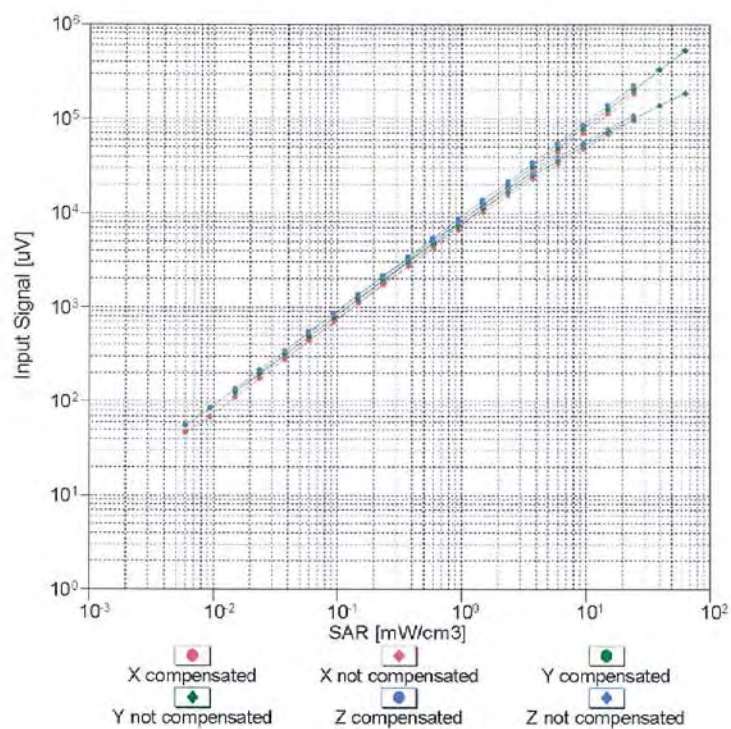
Uncertainty of Frequency Response of E-field: $\pm 6.3\%$ ($k=2$)

Receiving Pattern (ϕ), $\vartheta = 0^\circ$



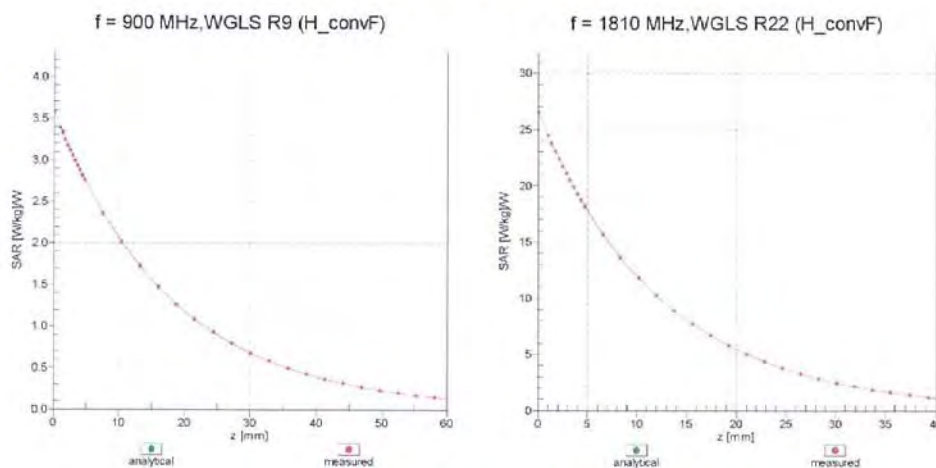
Uncertainty of Axial Isotropy Assessment: $\pm 0.5\%$ ($k=2$)

Dynamic Range $f(\text{SAR}_{\text{head}})$ (TEM cell , $f = 900 \text{ MHz}$)



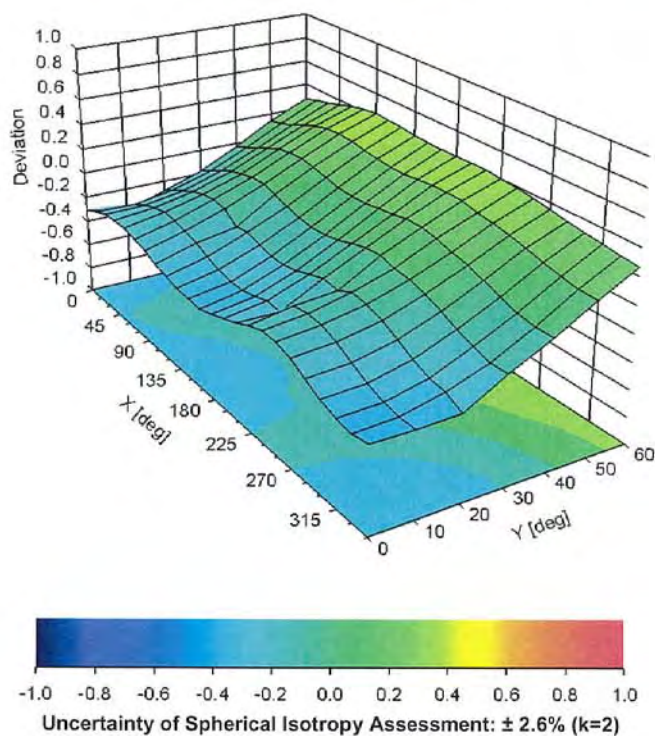
Uncertainty of Linearity Assessment: $\pm 0.6\%$ ($k=2$)

Conversion Factor Assessment



Deviation from Isotropy in Liquid

Error (ϕ , θ), $f = 900 \text{ MHz}$





EX3DV3– SN:3519

February 21, 2012

DASY/EASY - Parameters of Probe: EX3DV3 - SN:3519

Other Probe Parameters

Sensor Arrangement	Triangular
Connector Angle (°)	Not applicable
Mechanical Surface Detection Mode	enabled
Optical Surface Detection Mode	disabled
Probe Overall Length	337 mm
Probe Body Diameter	10 mm
Tip Length	9 mm
Tip Diameter	2.5 mm
Probe Tip to Sensor X Calibration Point	1 mm
Probe Tip to Sensor Y Calibration Point	1 mm
Probe Tip to Sensor Z Calibration Point	1 mm
Recommended Measurement Distance from Surface	2 mm



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Accreditation No.: **SCS 108**

Client **ATL (Auden)**

Certificate No: **DAE4-779_Jan12**

CALIBRATION CERTIFICATE

Object **DAE4 - SD 000 D04 BJ - SN: 779**

Calibration procedure(s) **QA CAL-06.v24**
Calibration procedure for the data acquisition electronics (DAE)

Calibration date: **January 23, 2012**

This calibration certificate documents the traceability to national standards, which realize the physical units of measurements (SI).
The measurements and the uncertainties with confidence probability are given on the following pages and are part of the certificate.

All calibrations have been conducted in the closed laboratory facility: environment temperature $(22 \pm 3)^{\circ}\text{C}$ and humidity $< 70\%$.

Calibration Equipment used (M&TE critical for calibration)

Primary Standards	ID #	Cal Date (Certificate No.)	Scheduled Calibration
Keithley Multimeter Type 2001	SN: 0810278	28-Sep-11 (No:11450)	Sep-12
Secondary Standards	ID #	Check Date (in house)	Scheduled Check
Calibrator Box V2.1	SE UWS 053 AA 1001	05-Jan-12 (in house check)	In house check: Jan-13

Calibrated by: **Name** **Function** **Signature**
Dominique Steffen **Technician**

Approved by: **Fin Bornholt** **R&D Director**

Issued: January 23, 2012

This calibration certificate shall not be reproduced except in full without written approval of the laboratory.

**Calibration Laboratory of
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S Schweizerischer Kalibrierdienst
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Accredited by the Swiss Accreditation Service (SAS)
The Swiss Accreditation Service is one of the signatories to the EA
Multilateral Agreement for the recognition of calibration certificates

Accreditation No.: **SCS 108**

Glossary

DAE data acquisition electronics
Connector angle information used in DASY system to align probe sensor X to the robot coordinate system.

Methods Applied and Interpretation of Parameters

- *DC Voltage Measurement:* Calibration Factor assessed for use in DASY system by comparison with a calibrated instrument traceable to national standards. The figure given corresponds to the full scale range of the voltmeter in the respective range.
- *Connector angle:* The angle of the connector is assessed measuring the angle mechanically by a tool inserted. Uncertainty is not required.
- The following parameters as documented in the Appendix contain technical information as a result from the performance test and require no uncertainty.
 - *DC Voltage Measurement Linearity:* Verification of the Linearity at +10% and -10% of the nominal calibration voltage. Influence of offset voltage is included in this measurement.
 - *Common mode sensitivity:* Influence of a positive or negative common mode voltage on the differential measurement.
 - *Channel separation:* Influence of a voltage on the neighbor channels not subject to an input voltage.
 - *AD Converter Values with inputs shorted:* Values on the internal AD converter corresponding to zero input voltage
 - *Input Offset Measurement:* Output voltage and statistical results over a large number of zero voltage measurements.
 - *Input Offset Current:* Typical value for information; Maximum channel input offset current, not considering the input resistance.
 - *Input resistance:* Typical value for information: DAE input resistance at the connector, during internal auto-zeroing and during measurement.
 - *Low Battery Alarm Voltage:* Typical value for information. Below this voltage, a battery alarm signal is generated.
 - *Power consumption:* Typical value for information. Supply currents in various operating modes.



DC Voltage Measurement

A/D - Converter Resolution nominal

High Range: 1LSB = 6.1 μ V , full range = -100...+300 mV

Low Range: 1LSB = 61 nV , full range = -1.....+3mV

DASY measurement parameters: Auto Zero Time: 3 sec; Measuring time: 3 sec

Calibration Factors	X	Y	Z
High Range	404.578 $\pm$ 0.1% (k=2)	403.737 $\pm$ 0.1% (k=2)	403.961 $\pm$ 0.1% (k=2)
Low Range	3.96952 $\pm$ 0.7% (k=2)	3.97827 $\pm$ 0.7% (k=2)	3.99341 $\pm$ 0.7% (k=2)

Connector Angle

Connector Angle to be used in DASY system	156.5 $^{\circ}$ $\pm$ 1 $^{\circ}$
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Appendix

1. DC Voltage Linearity

High Range	Reading (μV)	Difference (μV)	Error (%)
Channel X + Input	199992.36	-2.42	-0.00
Channel X + Input	20002.90	2.80	0.01
Channel X - Input	-19995.39	5.40	-0.03
Channel Y + Input	199995.92	1.48	0.00
Channel Y + Input	20002.78	2.85	0.01
Channel Y - Input	-19998.45	2.56	-0.01
Channel Z + Input	199992.89	-1.72	-0.00
Channel Z + Input	19998.87	-1.11	-0.01
Channel Z - Input	-20000.07	0.90	-0.00

Low Range	Reading (μV)	Difference (μV)	Error (%)
Channel X + Input	1998.52	-1.94	-0.10
Channel X + Input	200.77	-0.18	-0.09
Channel X - Input	-199.69	-0.83	0.42
Channel Y + Input	1999.48	-0.80	-0.04
Channel Y + Input	200.34	-0.55	-0.27
Channel Y - Input	-198.10	0.97	-0.49
Channel Z + Input	1998.95	-1.37	-0.07
Channel Z + Input	199.48	-1.44	-0.71
Channel Z - Input	-199.41	-0.31	0.16

2. Common mode sensitivity

DASY measurement parameters: Auto Zero Time: 3 sec; Measuring time: 3 sec

	Common mode Input Voltage (mV)	High Range Average Reading (μV)	Low Range Average Reading (μV)
Channel X	200	-4.09	-4.76
	- 200	6.36	4.04
Channel Y	200	14.06	13.41
	- 200	-14.67	-14.92
Channel Z	200	3.23	1.98
	- 200	-5.02	-4.73

3. Channel separation

DASY measurement parameters: Auto Zero Time: 3 sec; Measuring time: 3 sec

	Input Voltage (mV)	Channel X (μV)	Channel Y (μV)	Channel Z (μV)
Channel X	200	-	-1.52	-1.21
Channel Y	200	12.10	-	-1.51
Channel Z	200	0.25	12.60	-

4. AD-Converter Values with inputs shorted

DASY measurement parameters: Auto Zero Time: 3 sec; Measuring time: 3 sec

	High Range (LSB)	Low Range (LSB)
Channel X	15627	16393
Channel Y	15845	15908
Channel Z	16157	16150

5. Input Offset Measurement

DASY measurement parameters: Auto Zero Time: 3 sec; Measuring time: 3 sec

Input 10M Ω

	Average (μ V)	min. Offset (μ V)	max. Offset (μ V)	Std. Deviation (μ V)
Channel X	-1.27	-2.39	-0.17	0.45
Channel Y	0.05	-1.36	2.93	0.64
Channel Z	-1.16	-2.45	-0.25	0.41

6. Input Offset Current

Nominal Input circuitry offset current on all channels: <25fA

7. Input Resistance (Typical values for information)

	Zeroing (kOhm)	Measuring (MOhm)
Channel X	200	200
Channel Y	200	200
Channel Z	200	200

8. Low Battery Alarm Voltage (Typical values for information)

Typical values	Alarm Level (VDC)
Supply (+ Vcc)	+7.9
Supply (- Vcc)	-7.6

9. Power Consumption (Typical values for information)

Typical values	Switched off (mA)	Stand by (mA)	Transmitting (mA)
Supply (+ Vcc)	+0.01	+6	+14
Supply (- Vcc)	-0.01	-8	-9