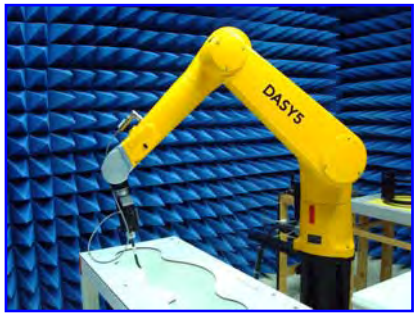
A Test Lab Techno Corp.

Changan Lab：No. 140 -1, Changan Street, Bade City, Taoyuan County, Taiwan R.O.C.
Tel：+886--271-0188 / Fax：+886-3-271-0190

SAR EVALUATION REPORT

Test Report No.	：	**0808FS11**
Applicant	：	**ACCTON Technology Corporation**
FCC ID	：	**HEDSMC2536WAG2**
Product Type	：	**EliteConnect™ Dual Band Wireless Cardbus Adapter**
Trade Mark	：	**SMC**
Model Number	：	**SMC2536W-AG2**
Dates of Test	：	**May. 29 ~ Aug. 19, 2008**
Test Environment	：	**Ambient Temperature： 22 ± 2 ° C**
		Relative Humidity：40 - 70 %
Test Specification	：	**Standard C95.1-1999**
		IEEE Std. 1528-2003
		2.1093;FCC/OET Bulletin 65 Supplement C [July 2001]
		SAR Measurement Requirements For 3-6GHz:FCC
Max. SAR	：	**1.190 W/kg Body SAR**
Test Lab	：	**Chang-An Lab**



1. The test operations have to be performed with cautious behavior, the test results are as attached.
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.
3. The measurement report has to be written approval of A Test Lab Techno Corp. It may only be reproduced or published in full.

Country Huang **20080826**
Measurement Center Manager

Sam Chuang **20080826**
Testing Engineer

Contents

Appendix

1. Description of Equipment Under Test (EUT)

Applicant：

ACCTON Technology Corporation
NO.1 Creation Rd. III, Science-based Industrial Park, Hsinchu 3077, Taiwan, R.O.C

Manufacturer	:	TP-LINK TECHNOLOGIES CO., LTD.
Manufacturer Address	:	Building 7, Second Part, Honghualing Industrial Zone, Xili town, Nanshan District, Shenzhen, China
FCC ID	:	HEDSMC2536WAG2
Model Name	:	EliteConnect™ Dual Band Wireless Cardbus Adapter
Trade Mark	:	SMC
Model Number	:	SMC2536W-AG2
Test Device	:	Production Unit
Tx Frequency	:	5180 - 5825 MHz (802.11a) 2412 - 2462 MHz (802.11b / g)
Max. RF Conducted Power	:	0.194 W (22.87 dBm) 802.11a Peak 0.070W (18.48 dBm) 802.11b Peak 0.120 W (20.80 dBm) 802.11g Peak
Max. SAR Measurement	:	1.190 W/kg Body SAR
HW Version	:	N/A
SW Version	:	N/A
Antenna Type	:	Internal Type
Antenna Gain	:	Antenna B : 4.09 dBi Antenna A : 3.257 dBi
Device Category	:	Portable
RF Exposure Environment	:	General Population / Uncontrolled
Power Option	:	PCMCIA Interface
Application Type	:	Certification

This wireless portable device has been shown to be capable of compliance for localized specific absorption rate (SAR) for uncontrolled environment / general population exposure limits specified in Standard C95.1-1999 and had been tested in accordance with the measurement procedures specified in IEEE Std. 1528-2003.

	
Front view	**Back view**
Figure 1. EUT Photo	

2. Introduction

The A Test Lab Techno Corp. has performed measurements of the maximum potential exposure to the user of **ACCTON Technology Corporation Trade Mark：SMC Model(s)：SMC2536W-AG2**. 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.

3. 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/m^3)

E = RMS electric field strength (V/m)

＊**Note**：

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

4. SAR Measurement Setup

These measurements were performed with the automated near-field scanning system DASY5 from Schmid & Partner Engineering AG (SPEAG). The system is based on a high precision robot (working range greater than 0.9m) which positions the probes with a positional repeatability of better than ±0.02mm. Special E- and H-field probes have been developed for measurements close to material discontinuity, the sensors of which are directly loaded with a Schottky diode and connected via highly resistive lines (length = 300mm) to the data acquisition unit.

A cell controller system contains the power supply, robot controller, teach pendant (Joystick), and remote control, is used to drive the robot motors. The Measurement Server is based on a PC/104 CPU board with a 400MHz intel ULV Celeron, 128MB chipdisk and 128MB RAM. The necessary circuits for communication with either the DAE4 (or DAE3) electronic box as well as the 16-bit AD-converter system for optical detection and digital I/O interface are contained on the DASY5 I/O-board, which is directly connected to the PC/104 bus of the CPU board. The PC consists of the Intel Core(TM)2 CPU @1.86GHz computer with Windows XP system and SAR Measurement Software DASY5, Post Processor SEMCAD, monitor, mouse, and keyboard. The Staubli Robot is connected to the cell controller to allow software manipulation of the robot. A data acquisition electronic (DAE) circuit performs the signal amplification, signal multiplexing, AD-conversion, offset measurements, mechanical surface detection, collision detection…etc. is connected to the Electro-optical converter (EOC). The EOC performs the conversion from the optical into digital electric signal of the DAE and transfers data to the Measurement Server.

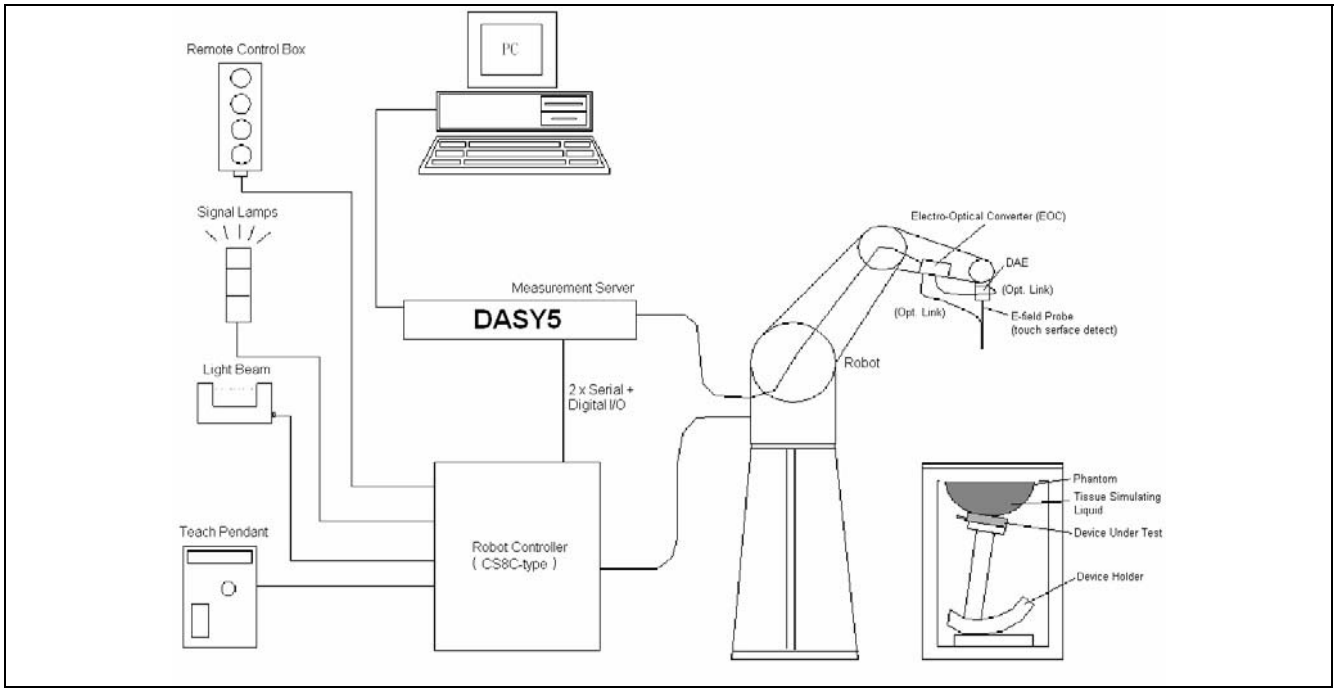


Figure 3. SAR Lab Test Measurement Setup

The DAE4 (or DAE3) consists of a highly sensitive electrometer-grade preamplifier with auto-zeroing, a channel and gain-switching multiplexer, a fast 16 bit AD-converter and a command decoder and control logic unit. Transmission to the PC-card is accomplished through an optical downlink for data and status information and an optical uplink for commands and clock lines. The mechanical probe mounting device includes two different sensor systems for frontal and sidewise probe contacts. They are also used for mechanical surface detection and probe collision detection. The robot uses its own controller with a built in VME-bus computer. The system is described in detail in〔3〕.

5. System Components

5.1 DASY5 E-Field Probe System

The SAR measurements were conducted with the dosimetric probe (manufactured by SPEAG), designed in the classical triangular configuration〔3〕and optimized for dosimetric evaluation. The probes 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.

5.1.1 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 450MHz, 900MHz, 1800MHz, 2000MHz, 1950MHz, 2300MHz, 2450MHz, 2600MHz, 3500MHz, 5200MHz, 5500MHz and 5800MHz (accuracy ±8%) Calibration for other liquids and frequencies upon request
Frequency	10 MHz to > 6 GHz; Linearity: ±0.2 dB (30 MHz to 3 GHz)
Directivity	±0.3 dB in brain tissue (rotation around probe axis) ±0.5 dB in brain tissue (rotation normal probe axis)
Dynamic Range	10 μW/g to > 100mW/g; Linearity: ±0.2dB
Surface Detection	±0.2 mm repeatability in air and clear liquids over diffuse reflecting surface
Dimensions	Overall length: 330mm Tip length: 20mm Body diameter: 12mm Tip diameter: 2.5mm Distance from probe tip to dipole centers: 1.0mm
Application	General dosimetry up to 6GHz Compliance tests of mobile phones Fast automatic scanning in arbitrary phantoms

Figure 4.
E-field Probe

Figure 5.
Probe setup on robot

5.1.2 E-Field Probe Calibration

Each probe is calibrated according to a dosimetric assessment procedure described in〔4〕with accuracy better than ±10%. The spherical isotropy was evaluated with the procedure described in〔5〕and found to be better than ±0.25dB. The sensitivity parameters (NormX, NormY, and NormZ), the diode compression parameter (DCP) and the conversion factor (ConvF) of the probe are tested.

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

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

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

Where：

Δt = Exposure time (30 seconds),

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

ΔT = Temperature increase due to RF exposure.

Or

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

Where：

σ = Simulated tissue conductivity,

ρ = Tissue density (kg/m^3).

5.2 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 119) & SEMCAD X Version 13.2 Build 87
Connecting Lines：	Optical downlink for data and status info
	Optical uplink for commands and clock

5.3 Robot

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

5.4 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

5.5 Device Holder for Transmitters

In combination with the SAM Twin Phantom V4.0, the Mounting Device (POM) enables the rotation of the mounted transmitter in spherical coordinates whereby the rotation points is the ear opening. The devices can be easily, accurately, and repeat ably positioned according to the IEEE SCC34-SC2 and CENELEC specifications. The device holder can be locked at different phantom locations (left head, right head, and flat phantom).

∗**Note**：A simulating human hand is not used due to the complex anatomical and geometrical structure of the hand that may produced infinite number of configurations〔6〕. To produce the worst-case condition (the hand absorbs antenna output power), the hand is omitted during the tests.

Larger DUT cannot be tested using this device holder. Instead a support of bigger polystyrene cubes and thin polystyrene plates is used to position the DUT in all relevant positions to find and measure spots with maximum SAR values. Therefore those devices are normally only tested at the flat part of the SAM.

Figure 6. Device Holder

5.6 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.

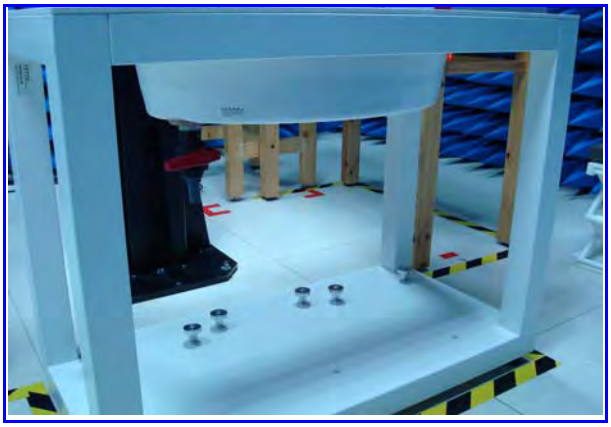


Figure 7. Oval Flat Phantom

Shell Thickness	2 ±0.2 mm
Filling Volume	Approx. 30 liters
Dimensions	190×600×400 mm (H×L×W)

Table 1. Specification of ELI 4.0

5.7 Data Storage and Evaluation

5.7.1 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.

5.7.2 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-field probes：

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

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

$Norm_i$ = sensor sensitivity of channel i (i = x, y, z)

μV/(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

6. Test Equipment List

Manufacturer	Name of Equipment	Type/Model	Serial Number	Calibration	
				Last Cal.	Due Date
SPEAG	Dosimetric E-Filed Probe	EX3DV3	3519	Mar. 21, 2008	Mar. 21, 2009
SPEAG	Dosimetric E-Filed Probe	EX3DV4	3552	Mar. 21, 2008	Mar. 21, 2009
SPEAG	Dosimetric E-Filed Probe	ES3DV3	3150	Jan. 09, 2008	Jan. 09, 2009
SPEAG	2450MHz System Validation Kit	D2450V2	712	Jan. 30, 2008	Jan. 30, 2009
SPEAG	5GHz System Validation Kit	D5GHzV2	1021	May. 11, 2008	May. 11, 2009
SPEAG	Data Acquisition Electronics	DAE4	779	Nov. 30, 2007	Nov. 30, 2008
SPEAG	Device Holder	N/A	N/A	NCR	NCR
SPEAG	Phantom ELI 4.0	QD OVA 001 B	1003	NCR	NCR
SPEAG	Robot	Staubli TX90XL	F07/564ZA1/C/01	NCR	NCR
SPEAG	Software	DASY5 V5.0 Build 119	N/A	NCR	NCR
SPEAG	Software	SEMCAD V13.2 Build 87	N/A	NCR	NCR
SPEAG	Measurement Server	SE UMS 011 AA	1025	NCR	NCR
Agilent	ENA Series Network Analyzer	E5071B	MY42402996	Oct. 23, 2007	Oct. 23, 2008
Agilent	Dielectric Probe Kit	85070C	US99360094	NCR	NCR
R&S	Power Sensor	NRP-Z22	100179	Apr. 23, 2008	Apr. 23, 2009
Agilent	Signal Generator	8648C	3847A05201	Jul. 03, 2007	Jul. 03, 2008
Agilent	Signal Generator	E8257D	MY44320425	Jul. 03, 2008	Jul. 03, 2009
Agilent	Dual Directional Coupler	778D	50334	NCR	NCR
Mini-Circuits	Power Amplifier	ZHL-42W-SMA	D111103#5	NCR	NCR
Mini-Circuits	Power Amplifier	ZVE-8G-SMA	D042005 671800514	NCR	NCR

Table 2. Test Equipment List

7. 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 8720ES Network Analyzer.

INGREDIENT	FREQUENCY
	MSL2.4G (Body)
Water	68.64%
DGBE	31.37%

INGREDIENT	FREQUENCY
	MSL5G (Body)
Water	78%
Mineral Oil	11%
Emulsifiers	9%
Additives and Salt	2%

Table 3. Recipes for Head & Body Tissue Simulating Liquids

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
2300	-	-	52.9	1.80
2450	39.2	1.80	52.7	1.95
2600	-	-	52.5	2.16
3000	38.5	2.40	52.0	2.73
5200	36.0	4.66	49.0	5.30
5800	35.3	5.27	48.2	6.00
(ε_r = relative permittivity, σ = conductivity and ρ = 1000 kg/m^3)				

Table 4. Tissue dielectric parameters for head and body phantoms

7.1 Liquid Confirmation

7.1.1 Parameters

Liquid Verify								
Ambient Temperature： 22 ± 2℃；Relative Humidity：40 -70%								
Liquid Type	Frequency	Temp (°C)	Parameters	Target Value	Measured Value	Deviation (%)	Limit (%)	Measured Date
2450MHz Body	2450MHz	22.0	εr	52.7	52.4	-0.57	±5	May. 29, 2008
			σ	1.95	1.96	0.51	±5	
2450MHz Body	2450MHz	22.0	εr	52.7	52.4	-0.57	±5	Aug. 18, 2008
			σ	1.95	1.96	0.51	±5	
5200MHz Body	5200MHz	22.0	εr	49.0	49.0	0.00	±5	May. 30, 2008
			σ	5.30	5.30	0.00	±5	
5200MHz Body	5200MHz	22.0	εr	49.0	49.0	0.00	±5	Jun. 05, 2008
			σ	5.30	5.30	0.00	±5	
5200MHz Body	5200MHz	22.0	εr	49.0	49.0	0.00	±5	Jul. 23, 2008
			σ	5.30	5.30	0.00	±5	
5200MHz Body	5200MHz	22.0	εr	49.0	49.0	0.00	±5	Aug. 13, 2008
			σ	5.30	5.3	0.00	±5	
5200MHz Body	5200MHz	22.0	εr	49.0	49.0	0.00	±5	Aug. 15, 2008
			σ	5.30	5.3	0.00	±5	
5800MHz Body	5800MHz	22.0	εr	48.2	47.8	-0.83	±5	May. 30, 2008
			σ	6.00	5.80	-3.33	±5	
5800MHz Body	5800MHz	22.0	εr	48.2	47.8	-0.83	±5	Jul. 23, 2008
			σ	6.00	5.80	-3.33	±5	
5800MHz Body	5800MHz	22.0	εr	48.2	47.8	-0.83	±5	Aug. 13, 2008
			σ	6.00	5.80	-3.33	±5	
5800MHz Body	5800MHz	22.0	εr	48.2	47.8	-0.83	±5	Aug. 15, 2008
			σ	6.00	5.80	-3.33	±5	

Table 5. Measured Tissue dielectric parameters for head and body phantoms

7.1.2 Liquid Depth

The liquid level was during measurement 15cm ±0.5cm.

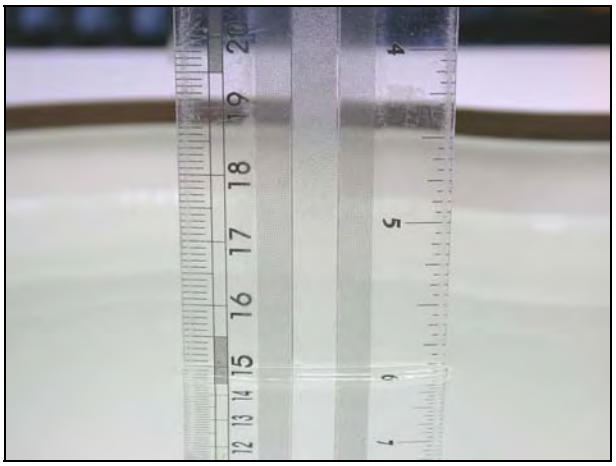


Figure 8. Head-Tissue-Simulating-Liquid

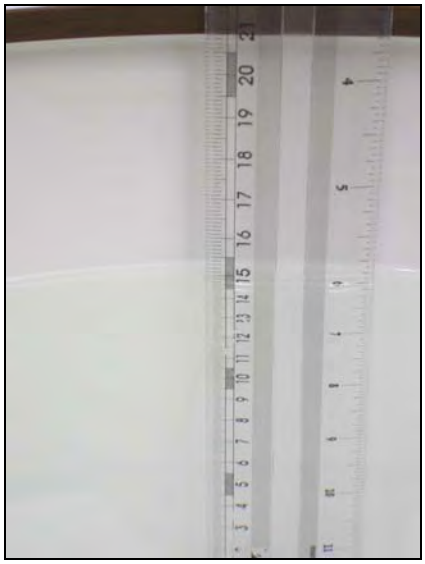


Figure 9. Body-Tissue-Simulating-Liquid

8. Measurement Process

8.1 Device and Test Conditions

The Test Device was provided by **ACCTON Technology Corporation** for this evaluation. The spatial peak SAR values were assessed for the lowest, middle and highest channels defined by 802.11a (Low = 5180 MHz , Middle = 5320MHz , High = 5825MHz) systems and 802.11b/g (Low ch1 = 2412 MHz , Middle ch6 = 2437MHz , High ch11 = 2462MHz) systems . The antenna(s), battery and accessories shall be those specified by the manufacturer. The battery shall be fully charged before each measurement and there shall be no external connections.

Usage			Operates with a built-in test mode by client		
Simulating human Head/Body			Body		
EUT Battery			NA		
	Band	**Rate**	**Frequency (MHz)**	**Before SAR Test (dBm)**	**After SAR Test (dBm)**
Conducted power	802.11 a	6 M	5180	21.05	21.04
			5240	21.24	21.23
			5260	21.31	21.30
			5320	21.47	21.46
			5745	**22.87**	21.86
			5785	22.43	21.42
			5825	22.79	22.78
		54 M	5180	20.96	20.95
			5240	21.21	21.20
			5260	21.30	21.29
			5320	21.31	21.30
			5745	22.76	22.75
			5785	22.44	22.43
			5825	22.76	22.75
	802.11 b	1 M	2412	18.25	18.15
			2437	18.43	18.33
			2462	**18.48**	18.38
		11 M	2412	18.12	18.02
			2437	18.39	18.29
			2462	18.23	18.13
	802.11 g	6 M	2412	20.66	20.56
			2437	**20.80**	20.70
			2462	20.64	20.54
		54 M	2412	20.63	20.53
			2437	20.35	20.25
			2462	20.43	20.33

8.2 System Performance Check

8.2.1 Symmetric Dipoles for System Validation

Construction	Symmetrical dipole with l/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	450, 900, 1800, 2000, 2450, 5200MHz, 5800MHz
Return Loss	> 20 dB at specified validation position
Power Capability	> 100 W (f < 1GHz); > 40 W (f > 1GHz)
Options	Dipoles for other frequencies or solutions and other calibration conditions are available upon request
Dimensions	D450V2：dipole length 270 mm; overall height 330 mm D900V2：dipole length 149 mm; overall height 330 mm D1800V2：dipole length 72 mm; overall height 300 mm D2000V2：dipole length 65 mm; overall height 300 mm D2450V2：dipole length 51.5 mm; overall height 300 mm D5GHzV2：dipole length 20.6 mm; overall height 450 mm

Figure 10. Validation Kit

8.2.2 Validation

Prior to the assessment, the system validation kit was used to test whether the system was operating within its specifications of ± 7%. The validation was performed at 2450MHz, 5200MHz and 5800MHz.

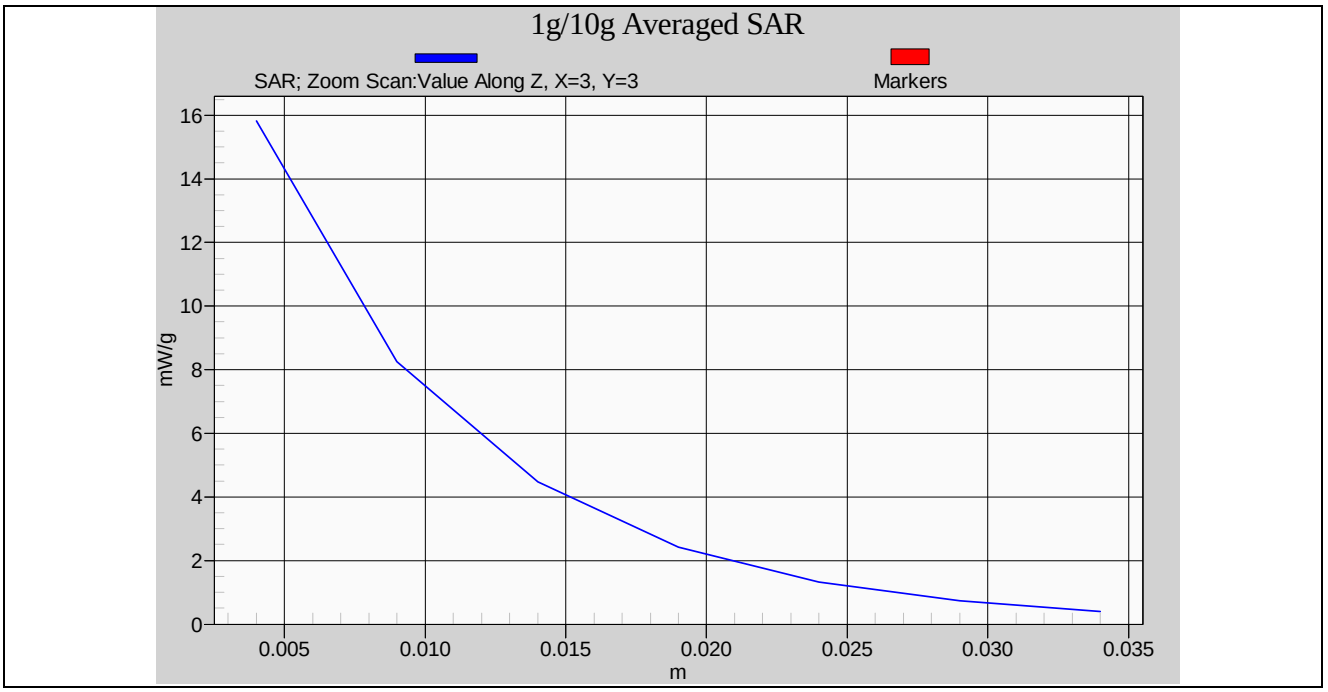
Validation kit		Mixture Type	SAR_{1g} [mW/g]		SAR_{10g} [mW/g]		Date of Calibration
D2450V2-SN712		Body	53.6		24.8		Jan. 30, 2008
D5GHzV2-SN1021 (5200MHz)		Body	80.4		22.5		Jan. 30, 2008
D5GHzV2-SN1021 (5800MHz)		Body	78.2		21.8		Mar. 11, 2008
Frequency (MHz)	**Power**	**SAR_{1g} (mW/g)**	**SAR_{10g} (mW/g)**	**Drift (dB)**	**Difference percentage**		**Date**
					1g	**10g**	
2450 (Body)	250mW	13.7	6.42	**-0.0036**	**2.2 %**	**3.5 %**	**May. 29, 2008**
	Normalize to 1 Watt	**54.8**	**25.68**				
2450 (Body)	250mW	13	6.23	**-0.0047**	**-3.0 %**	**0.5 %**	**Aug. 18, 2008**
	Normalize to 1 Watt	**52**	**24.92**				
5200 (Body)	100mW	8.24	2.27	**-0.075**	**2.5 %**	**0.9 %**	**May. 30, 2008**
	Normalize to 1 Watt	**82.4**	**22.7**				
5200 (Body)	100mW	8.25	2.28	**-0.121**	**2.6 %**	**1.3 %**	**Jun. 05, 2008**
	Normalize to 1 Watt	**82.5**	**22.8**				
5200 (Body)	100mW	8.22	2.26	**-0.044**	**2.2 %**	**0.4 %**	**Jul. 23, 2008**
	Normalize to 1 Watt	**82.2**	**22.6**				
5200 (Body)	100mW	8.07	2.27	**-0.025**	**0.4 %**	**0.9 %**	**Aug. 13, 2008**
	Normalize to 1 Watt	**80.7**	**22.7**				
5200 (Body)	100mW	8.17	2.29	**-0.059**	**1.6 %**	**1.8 %**	**Aug. 15, 2008**
	Normalize to 1 Watt	**81.7**	**22.9**				

Validation kit	Mixture Type	SAR_{1g} [mW/g]	SAR_{10g} [mW/g]	Date of Calibration
D2450V2-SN712	Body	53.6	24.8	Jan. 30, 2008
D5GHzV2-SN1021 (5200MHz)	Body	80.4	22.5	Jan. 30, 2008
D5GHzV2-SN1021 (5800MHz)	Body	78.2	21.8	Mar. 11, 2008

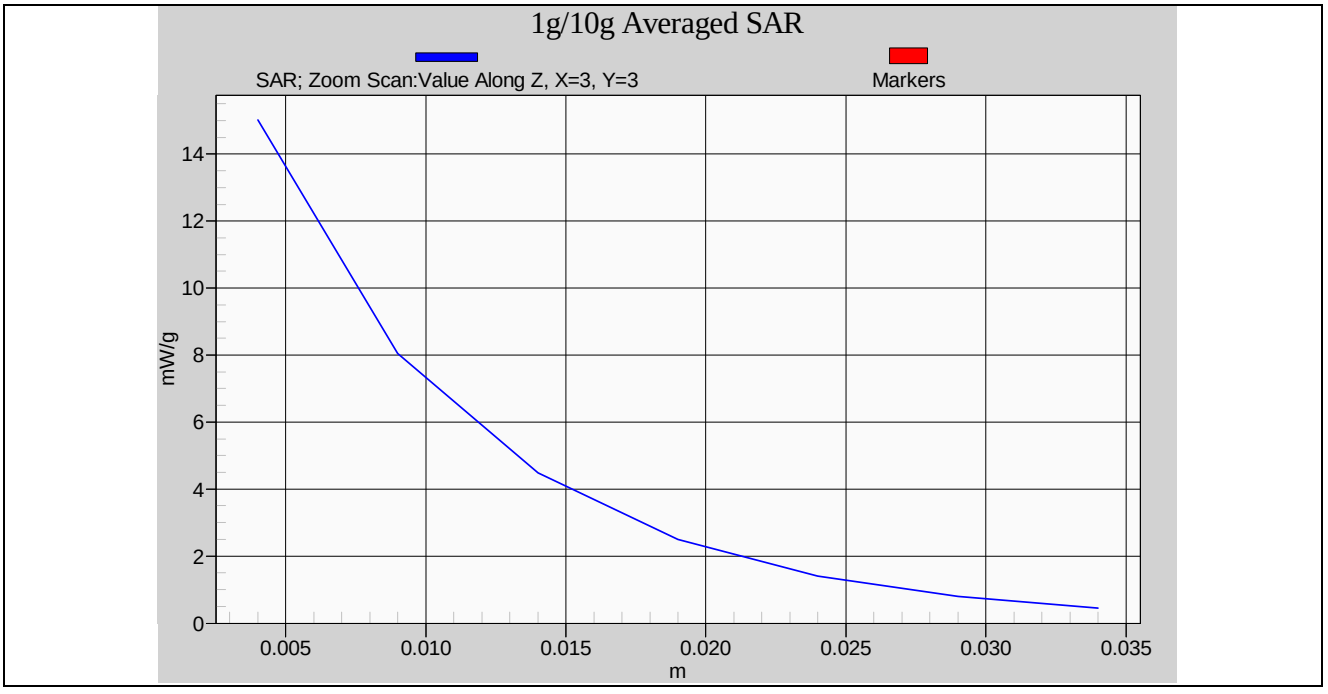
Frequency (MHz)	Power	SAR_{1g} (mW/g)	SAR_{10g} (mW/g)	Drift (dB)	Difference percentage		Date
					1g	10g	
5800 (Body)	100mW	8.14	2.23	**-0.004**	**4.1 %**	**2.3 %**	**May. 30, 2008**
	Normalize to 1 Watt	**81.4**	**22.3**				
5800 (Body)	100mW	8.11	2.21	**-0.027**	**3.7 %**	**1.4 %**	**Jul. 23, 2008**
	Normalize to 1 Watt	**81.1**	**22.1**				
5800 (Body)	100mW	8.12	2.25	**-0.032**	**3.8 %**	**3.2 %**	**Aug. 13, 2008**
	Normalize to 1 Watt	**81.2**	**22.5**				
5800 (Body)	100mW	7.63	2.13	**-0.056**	**-2.4 %**	**-2.3 %**	**Aug. 15, 2008**
	Normalize to 1 Watt	**76.3**	**21.3**				

Detail results see Appendix A.

Z-axis Plot of System Performance Check

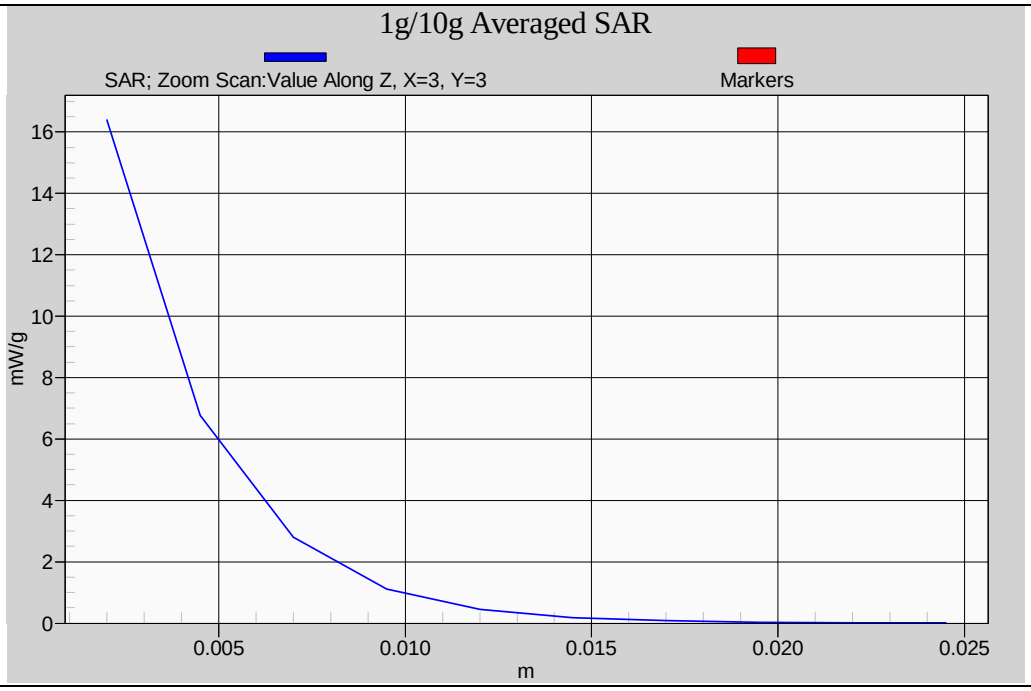


Body-Tissue-Simulating-Liquid 2.4GHz (2008.05.29)

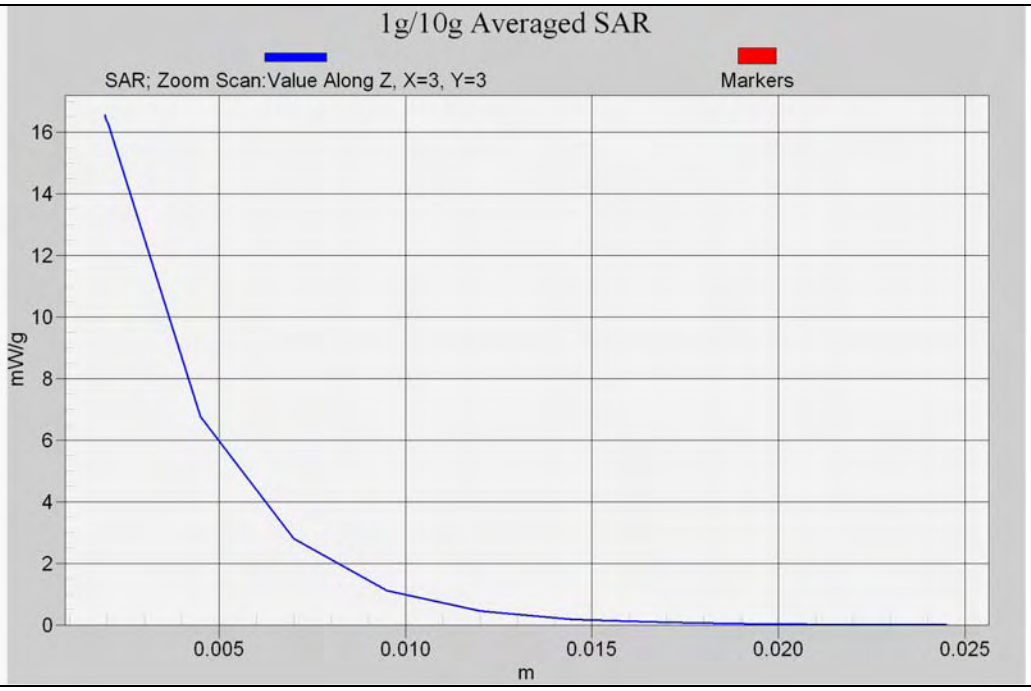


Body-Tissue-Simulating-Liquid 2.4GHz (2008.08.18)

Z-axis Plot of System Performance Check

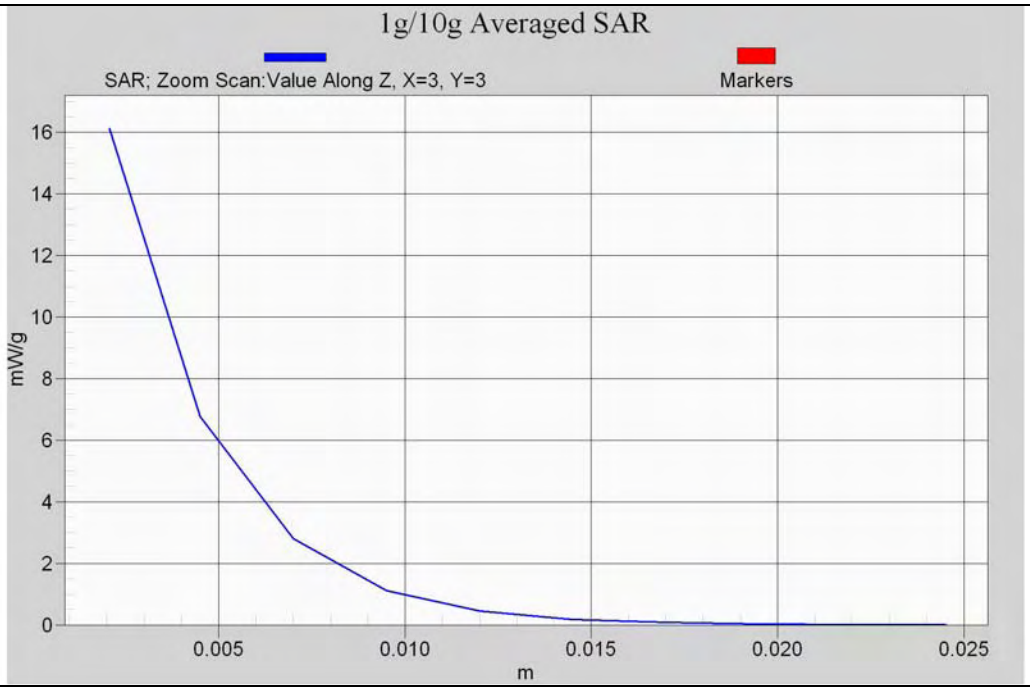


Body-Tissue-Simulating-Liquid 5.2GHz (2008.05.30)

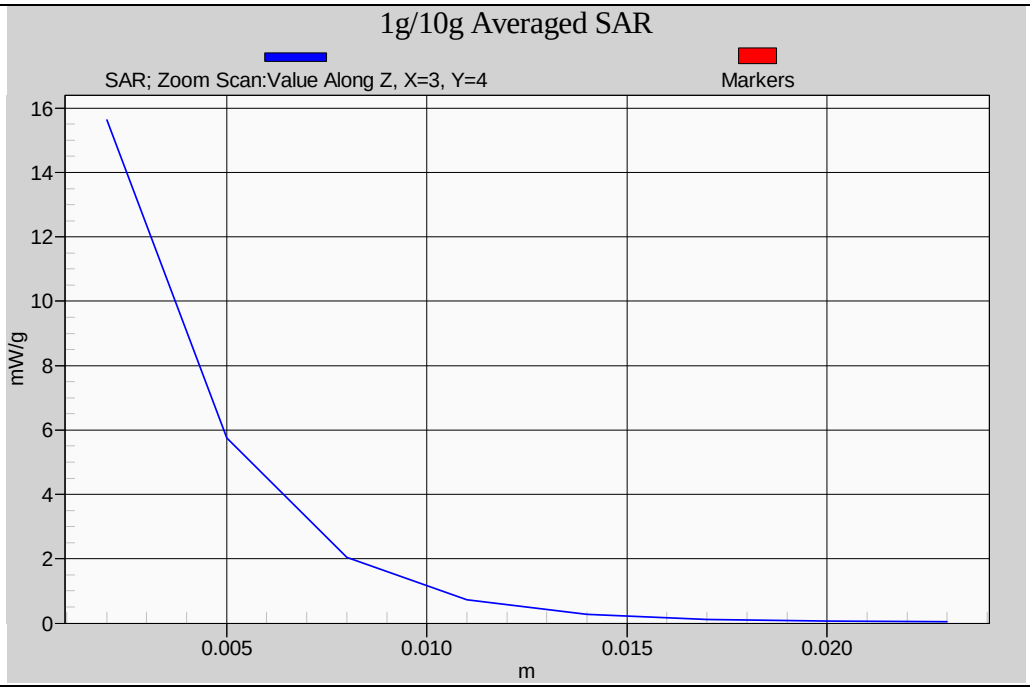


Body-Tissue-Simulating-Liquid 5.2GHz (2008.06.05)

Z-axis Plot of System Performance Check

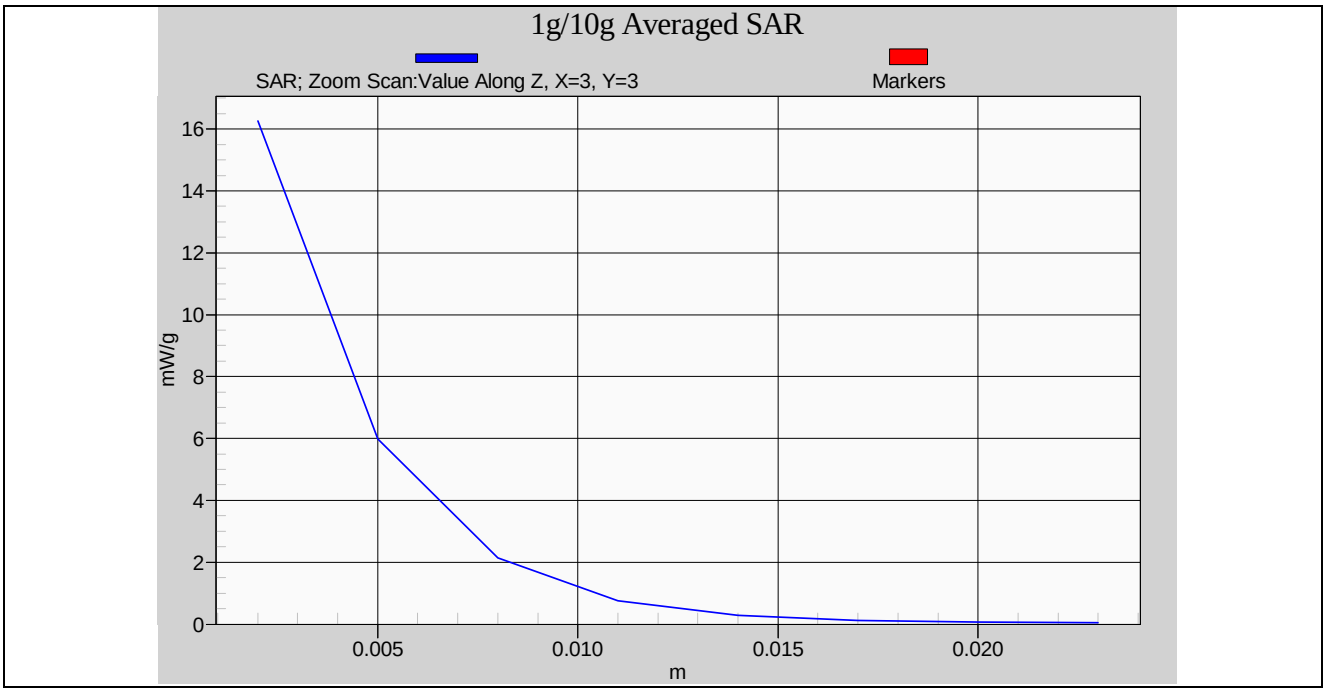


Body-Tissue-Simulating-Liquid 5.2GHz (2008.07.23)

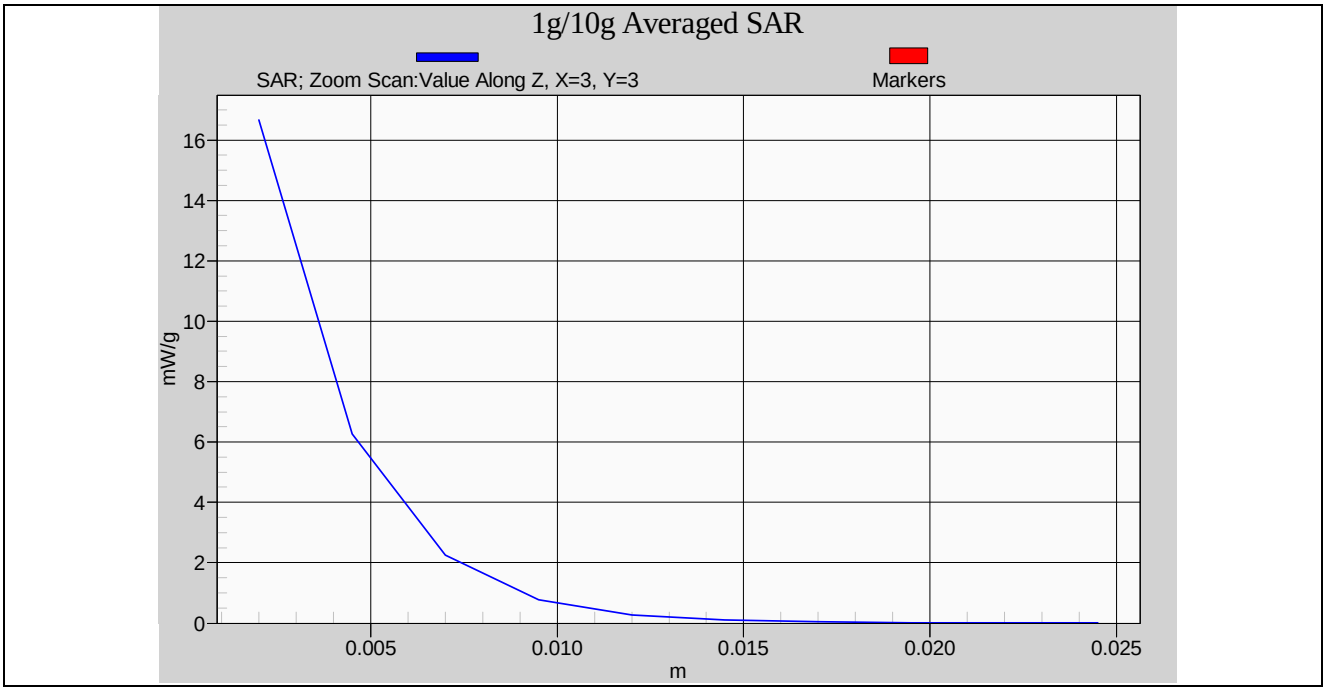


Body-Tissue-Simulating-Liquid 5.2GHz (2008.08.13)

Z-axis Plot of System Performance Check

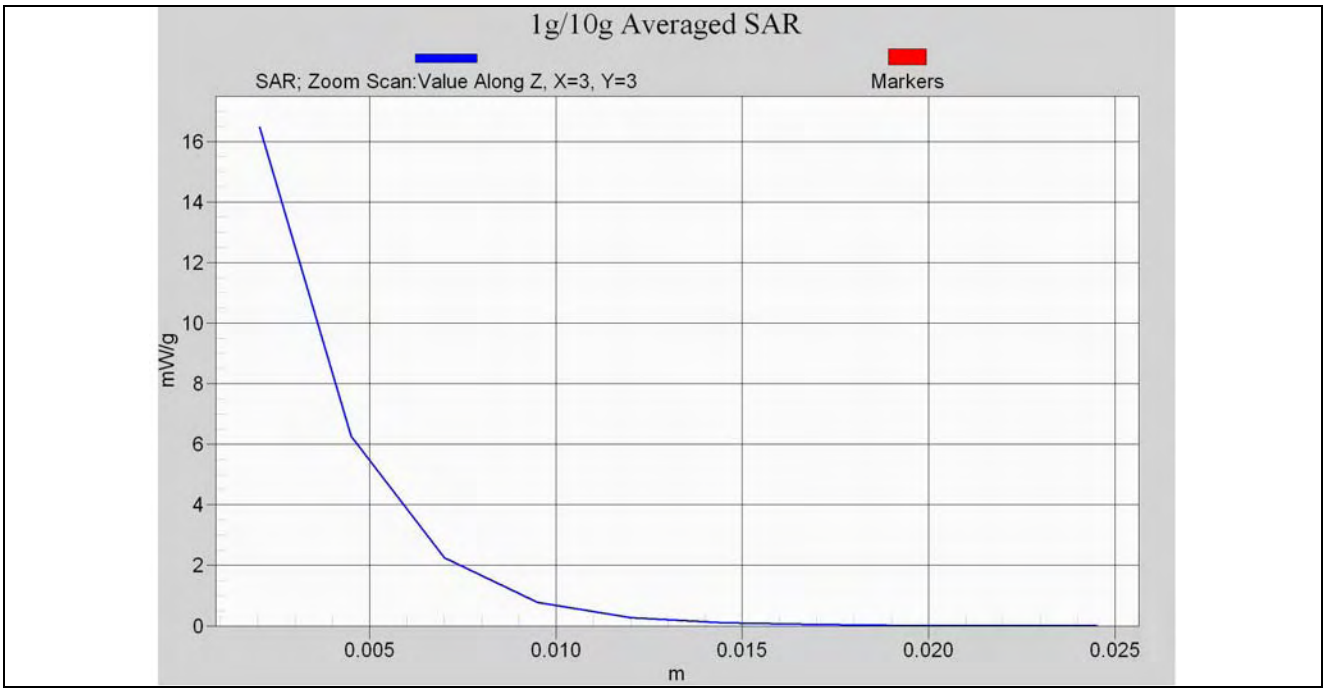


Body-Tissue-Simulating-Liquid 5.2GHz (2008.08.15)

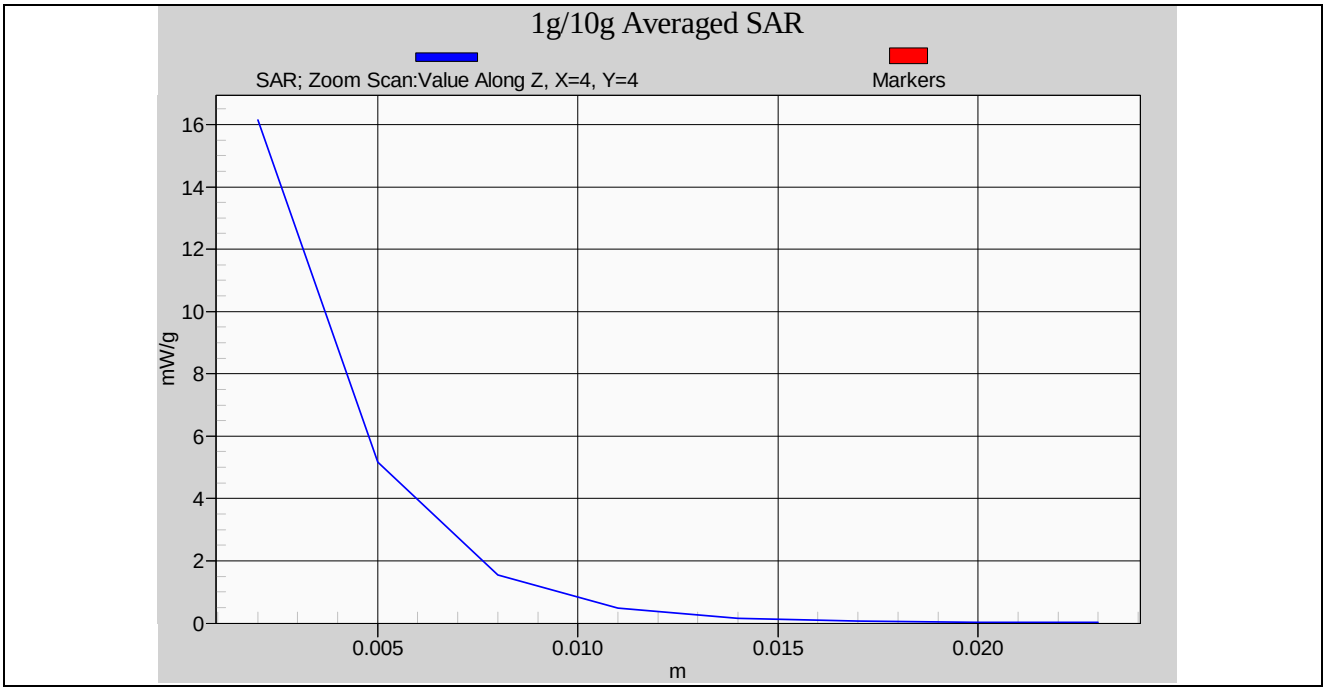


Body-Tissue-Simulating-Liquid 5.8GHz (2008.05.30)

Z-axis Plot of System Performance Check

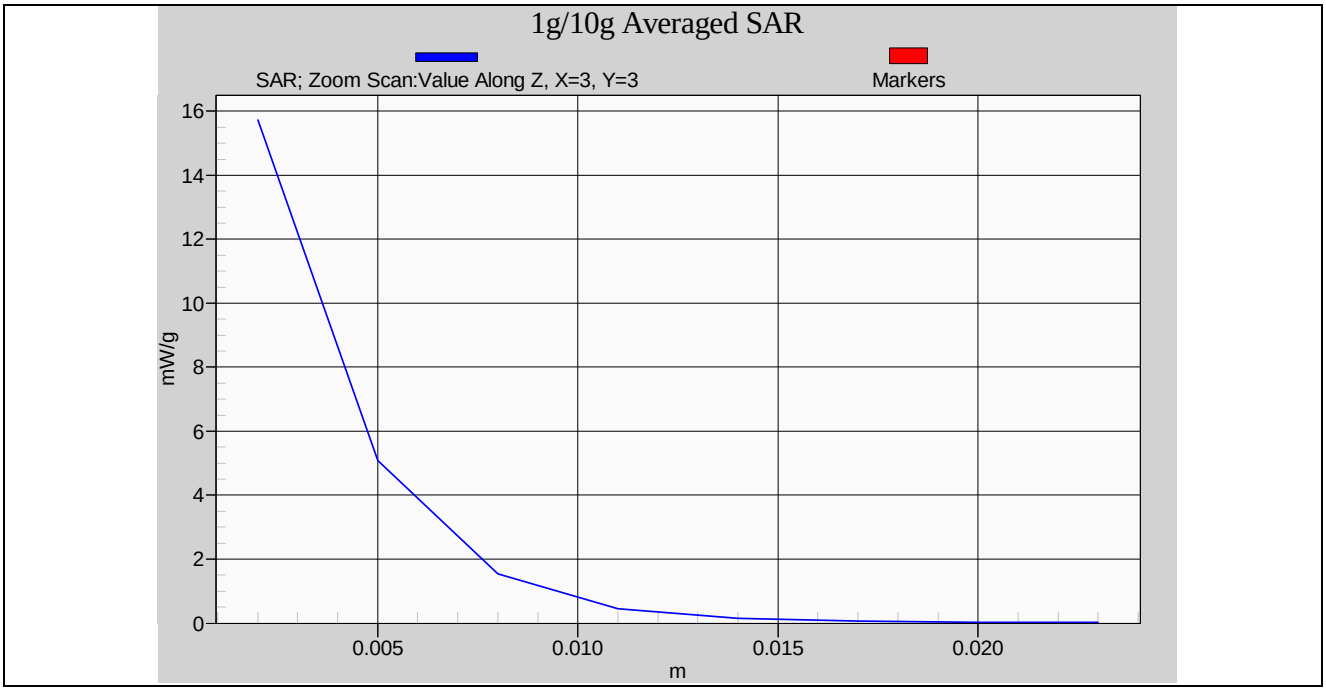


Body-Tissue-Simulating-Liquid 5.8GHz (2008.07.23)



Body-Tissue-Simulating-Liquid 5.8GHz (2008.08.13)

Z-axis Plot of System Performance Check



Body-Tissue-Simulating-Liquid 5.8GHz (2008.08.15)

8.3 Dosimetric Assessment Setup

8.3.1 Body-Worn Test Position

Body-Worn Configuration

Body-worn operating configurations should be tested with the belt-clips and holsters attached to the device and positioned against a flat phantom in normal use configurations. Devices with a headset output should be tested with a headset connected to the device.

Body-worn accessories may not always be supplied or available as options for some devices that are intended to be authorized for body-worn use. A separation distance of 1.5 cm between the back of the device and a flat phantom is recommended for testing body-worn SAR compliance under such circumstances.
For this test：

☐ The EUT is placed into the holster/belt clip and the holster is positioned against the surface of the phantom in a normal operating position.

■ Since this EUT doesn't supply any body-worn accessory to the end user, a distance of 2 mm was tested to confirm the necessary "minimum SAR separation distance".
(＊Note：This distance includes the 2 mm phantom shell thickness.)

8.3.2 Measurement Procedures

The evaluation was performed with the following procedures：

Surface Check： A surface check job gathers data used with optical surface detection. It determines the distance from the phantom surface where the reflection from the optical detector has its peak. Any following measurement jobs using optical surface detection will then rely on this value. The surface check performs its search a specified number of times, so that the repeatability can be verified. The probe tip distance is 1.3mm to phantom inner surface during scans.

Reference： The reference job measures the field at a specified reference position, at 4 mm from the selected section's grid reference point.

Area Scan： The area scan is used as a fast scan in two dimensions to find the area of high field values, before doing a finer measurement around the hot spot. The sophisticated interpolation routines can find the maximum locations even in relatively coarse grids. When an area scan has measured all reachable points, it computes the field maxima found in the scanned area, within a range of the global maximum. Any following zoom scan within the same procedure will then perform fine scans around these maxima. The area covered the entire dimension of the EUT and the horizontal grid spacing was 15 mm × 15 mm.

Zoom Scan： Zoom scans are used to assess the highest averaged SAR for cubic averaging volumes with 1 g and 10 g of simulated tissue. The zoom scan measures 5 x 5 x 7 points in a 32 x 32 x 30 mm cube whose base faces are centered around the maxima returned from a preceding area scan within the same procedure.

Drift： The drift job measures the field at the same location as the most recent reference job within the same procedure, with the same settings. The drift measurement gives the field difference in dB from the last reference measurement. Several drift measurements are possible for each reference measurement. This allows monitoring of the power drift of the device in the batch process. If the value changed by more than 5%, the evaluation was repeated.

8.4 Spatial Peak SAR Evaluation

The DASY5 software includes all numerical procedures necessary to evaluate the spatial peak SAR values. Based on the Draft: SCC-34, SC-2, WG-2 - Computational Dosimetry, IEEE P1529/D0.0 (Draft Recommended Practice for Determining the Spatial-Peak Specific Absorption Rate (SAR) Associated with the Use of Wireless Handsets - Computational Techniques), a new algorithm has been implemented. The spatial-peak SAR can be computed over any required mass.

The base for the evaluation is a "cube" measurement in a volume of (32x32x30)mm^3 (5x5x7 points). 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. If the 10g cube or both cubes are not entirely inside the measured volumes, the system issues a warning regarding the evaluated spatial peak values within the Postprocessing engine (SEMCAD). This means that if the measured volume is shifted, higher values might be possible. To get the correct values you can use a finer measurement grid for the area scan. In complicated field distributions, a large grid spacing for the area scan might miss some details and give an incorrectly interpolated peak location.
The entire evaluation of the spatial peak values is performed within the Postprocessing 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 three stages:

Interpolation and Extrapolation

The probe is calibrated at the center of the dipole sensors which is located 1 to 2.7mm away from the probe tip. During measurements, the probe stops shortly above the phantom surface, depending on the probe and the surface detecting system. Both distances are included as parameters in the probe configuration file. The software always knows exactly how far away the measured point is from the surface. As the probe cannot directly measure at the surface, the values between the deepest measured point and the surface must be extrapolated.

In DASY5, the choice of the coordinate system defining the location of the measurement points has no influence on the uncertainty of the interpolation, Maxima Search and SAR extrapolation routines. The interpolation, Maxima Search and extrapolation routines are all based on the modified Quadratic Shepard's method [7].

9. ***Measurement Uncertainty***

Measurement uncertainties in SAR measurements are difficult to quantify due to several variables including biological, physiological, and environmental. However, we estimate the measurement uncertainties in SAR to be less than ± 21.5 %〔8〕.

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 ±2dB 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.

Uncertainty Component	Uncertainty Value	Probability Distribution	Divisor	c_i (1g)	c_i (10g)	Standard Uncertainty ±1% (1-g)	Standard Uncertainty ±1% (10-g)	v_i or V_{eff}
Measurement System								
Probe Calibration (*k*=1)	4.8	Normal	1	1	1	4.8	4.8	∞
Axial Isotropy	4.7	Rectangular	$\sqrt{3}$	$\sqrt{0.5}$	$\sqrt{0.5}$	1.9	1.9	∞
Hemispherical Isotropy	9.6	Rectangular	$\sqrt{3}$	$\sqrt{0.5}$	$\sqrt{0.5}$	3.9	3.9	∞
Boundary Effect	0.8	Rectangular	$\sqrt{3}$	1	1	0.5	0.5	∞
Linearity	4.7	Rectangular	$\sqrt{3}$	1	1	2.7	2.7	∞
System Detection Limit	1.0	Rectangular	$\sqrt{3}$	1	1	0.6	0.6	∞
Readout Electronics	1.0	Normal	1	1	1	1.0	1.0	∞
Response Time	1.0	Rectangular	$\sqrt{3}$	1	1	0.6	0.6	∞
Integration Time	1.9	Rectangular	$\sqrt{3}$	1	1	1.1	1.1	∞
RF Ambient Conditions	3.0	Rectangular	$\sqrt{3}$	1	1	1.7	1.7	∞
Probe Positioner Mechanical Tolerance	1.4	Rectangular	$\sqrt{3}$	1	1	0.8	0.8	∞
Probe Positioning with respect to Phantom Shell	2.9	Rectangular	$\sqrt{3}$	1	1	1.7	1.7	∞
Extrapolation, interpolation and integration Algorithms for Max. SAR Evaluation	4.5	Rectangular	$\sqrt{3}$	1	1	2.6	2.6	∞
Test sample Related								
Test sample Positioning	2.9	Normal	1	1	1	2.9	2.9	145
Device Holder Uncertainty	3.6	Normal	1	1	1	3.6	3.6	5
Output Power Variation – SAR drift measurement	5.0	Rectangular	$\sqrt{3}$	1	1	2.9	2.9	∞
Phantom and Tissue Parameters								
Phantom Uncertainty (shape and thickness tolerances)	4.0	Rectangular	$\sqrt{3}$	1	1	2.3	2.3	∞
Liquid Conductivity – deviation from target values	5.0	Rectangular	$\sqrt{3}$	0.64	0.43	1.8	1.2	∞
Liquid Conductivity – measurement uncertainty	5.0	Normal	1	0.64	0.43	3.2	2.2	∞
Liquid Permittivity - deviation from target values	5.0	Rectangular	$\sqrt{3}$	0.6	0.49	1.7	1.4	∞
Liquid Permittivity - measurement uncertainty	5.0	Normal	1	0.6	0.49	3.0	2.5	∞
Combined standard uncertainty		RSS				11.2	10.7	388
Expanded uncertainty (95% CONFIDENCE LEVEL)		*k*=2				22.4	21.5	

Table 6. Uncertainty Budget of DASY

10. SAR Test Results Summary

The test used Notebooks, listed in table.

Trademark	Model
DELL	PP04X

10.1 Antenna B

10.1.1 802.11a Body SAR _ EUT Tip to phantom, close Body 0 mm separation

Ambient：			
Temperature (℃)：	22 ± 2	Relative HUMIDITY (%)：	40 - 70
Liquid：			
Mixture Type：	MSL5200/5800	Liquid Temperature (℃) ：	22.0
		Depth of liquid (cm)：	15
Measurement：			
Crest Factor：	1	Probe S/N：	3519/3552

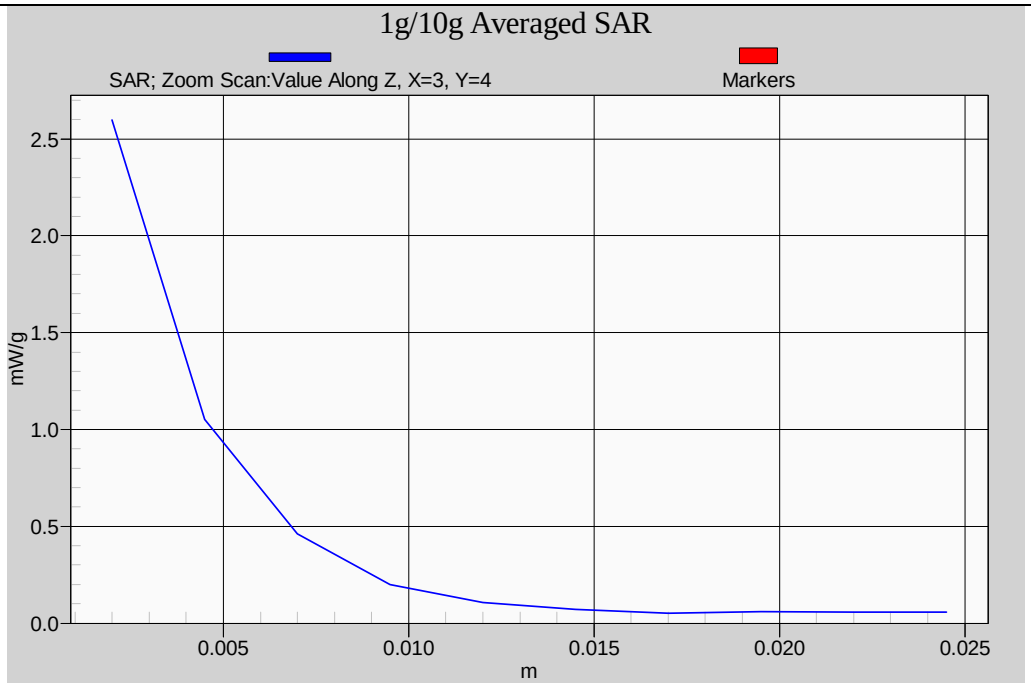
Frequency (MHz)	Data Rate	Power (dBm)	Phantom Position	SAR_{1g} [mW/g]	Power Drift (dB)	Amb. Temp.	Remark
5180	6 M	21.05	Flat	1.080	-0.077	22.0	-
5240	6 M	21.24	Flat	0.975	0.025	22.0	-
5260	6 M	21.31	Flat	1.010	-0.005	22.0	-
5320	6 M	21.47	Flat	1.180	0.053	22.0	-
5745	6 M	22.87	Flat	1.100	-0.017	22.0	-
5785	6 M	22.43	Flat	0.616	-0.011	22.0	-
5825	6 M	22.79	Flat	1.190	0.146	22.0	-
5825	6 M	22.79	Flat	0.795	-	22.0	5mm
5825	6 M	22.79	Flat	0.552	-	22.0	10mm
5180	54 M	20.96	Flat	0.892	-0.023	22.0	-
5240	54 M	21.21	Flat	0.763	0.017	22.0	-
5260	54 M	21.30	Flat	0.686	-0.009	22.0	-
5320	54 M	21.31	Flat	0.855	-0.026	22.0	-
5745	54 M	22.76	Flat	1.130	-0.115	22.0	-
5785	54 M	22.44	Flat	0.521	-0.018	22.0	-
5825	54 M	22.76	Flat	1.130	0.052	22.0	-
Std. C95.1-1999 - Safety Limit Spatial Peak Uncontrolled Exposure/General Population				1.6 W/kg (mW/g) Averaged over 1 gram			

Detail results see Appendix B.

Note:

1. The probe tip is positioned at the peak SAR location determined at a distance of one half the probe tip diameter from the phantom surface. With the probe fixed at this location, the device is moved away from the phantom in 5 mm increments from the initial touching or minimum separation position. A single point SAR is measured for each of these device positions until the SAR is less than 50% of that measured at the initial position.
2. Remark “5mm or 10mm “are EUT to phantom 5 mm or 10 mm increments.

Z-axis Plot of SAR Measurement



SAR Measurement (Flat Section) _ 5825MHz (Rate 6M)

10.1.2 802.11a Body SAR _ EUT Bottom to phantom (5mm), NB close Body 0 mm separation

Ambient：

Temperature (℃)：	22 ± 2	Relative HUMIDITY (%)：	40 - 70

Liquid：

Mixture Type：	MSL5200/5800	Liquid Temperature (℃) ：	22.0
		Depth of liquid (cm)：	15

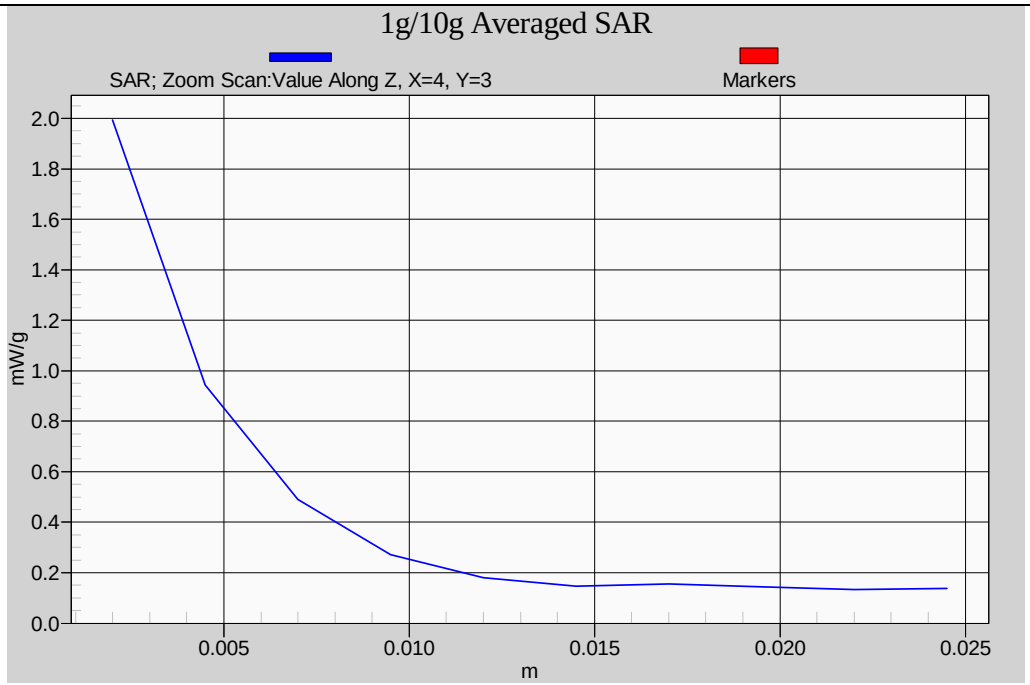
Measurement：

Crest Factor：	1	Probe S/N：	3519/3552

Frequency (MHz)	Data Rate	Power (dBm)	Phantom Position	SAR_{1g} [mW/g]	Power Drift (dB)	Amb. Temp.	Remark
5180	6 M	22.01	Flat	0.961	-0.060	22.0	-
5240	6 M	21.24	Flat	1.140	0.120	22.0	-
5260	6 M	21.31	Flat	0.878	0.098	22.0	-
5320	6 M	22.61	Flat	0.923	0.133	22.0	-
5745	6 M	22.87	Flat	0.906	0.071	22.0	-
5785	6 M	22.43	Flat	0.999	0.011	22.0	-
5825	6 M	22.79	Flat	0.889	0.183	22.0	-
5180	54 M	22.15	Flat	0.476	0.025	5180	-
5240	54 M	21.21	Flat	0.492	0.140	22.0	-
5260	54 M	21.30	Flat	0.466	-0.016	22.0	-
5320	54 M	22.75	Flat	1.040	0.096	22.0	-
5745	54 M	22.76	Flat	0.517	0.039	22.0	-
5785	54 M	22.44	Flat	0.416	0.159	22.0	-
5825	54 M	22.76	Flat	0.470	-0.015	22.0	-
Std. C95.1-1999 - Safety Limit Spatial Peak Uncontrolled Exposure/General Population				1.6 W/kg (mW/g) Averaged over 1 gram			

Detail results see Appendix B.

Z-axis Plot of SAR Measurement



SAR Measurement (Flat Section) _ 5240MHz (Rate 6M)

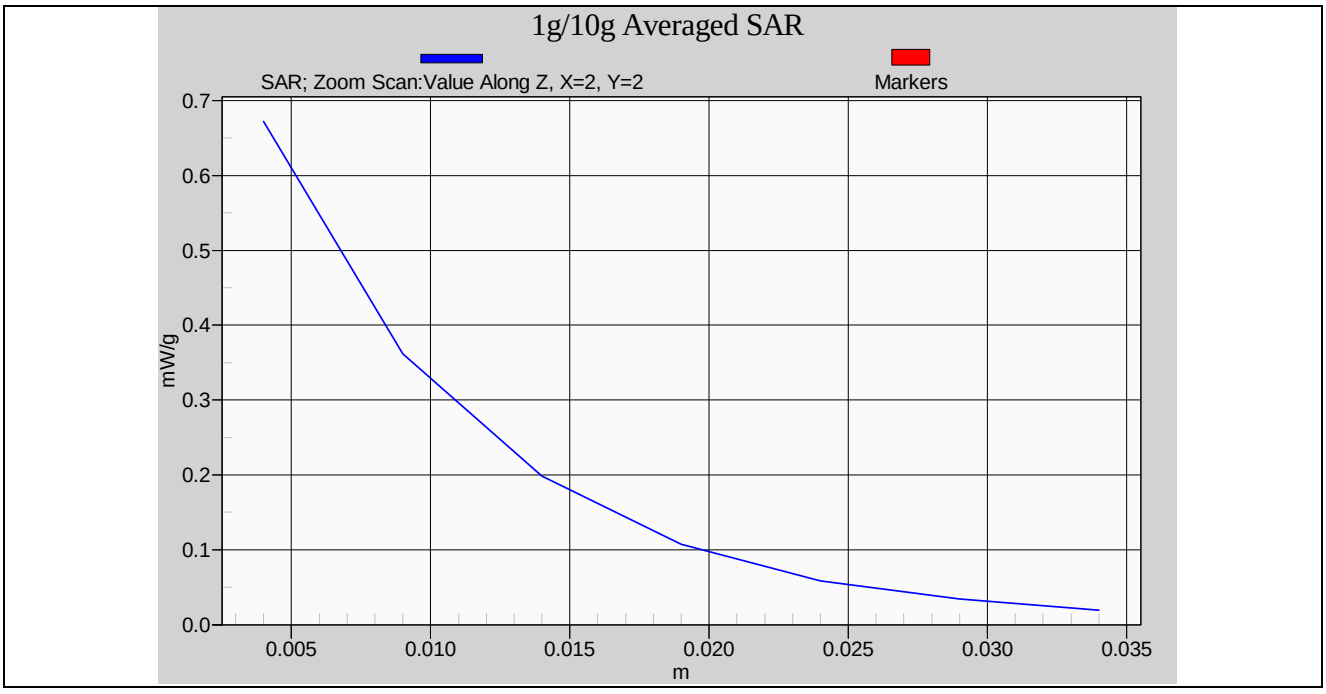
10.1.3 802.11b Body SAR _ EUT Tip to phantom, close Body 0 mm separation

Ambient：			
Temperature (℃)：	22 ± 2	Relative HUMIDITY (%)：	40 - 70
Liquid：			
Mixture Type：	MSL2450	Liquid Temperature (℃) ：	22.0
		Depth of liquid (cm)：	15
Measurement：			
Crest Factor：	1	Probe S/N：	3150

Frequency (MHz)	Data Rate	Power (dBm)	Phantom Position	SAR_{1g} [mW/g]	Power Drift (dB)	Amb. Temp.	Remark
2412	1 M	18.25	Flat	0.497	0.135	22.0	-
2437	1 M	18.43	Flat	0.393	0.045	22.0	-
2462	1 M	18.48	Flat	0.340	0.074	22.0	-
2412	11 M	18.12	Flat	0.599	-0.091	22.0	-
2437	11 M	18.39	Flat	0.543	0.068	22.0	-
2462	11 M	18.23	Flat	0.467	0.070	22.0	-
Std. C95.1-1999 - Safety Limit Spatial Peak Uncontrolled Exposure/General Population				1.6 W/kg (mW/g) Averaged over 1 gram			

Detail results see Appendix B.

Z-axis Plot of SAR Measurement



SAR Measurement (Flat Section) _ 2412MHz (Rate 11M)

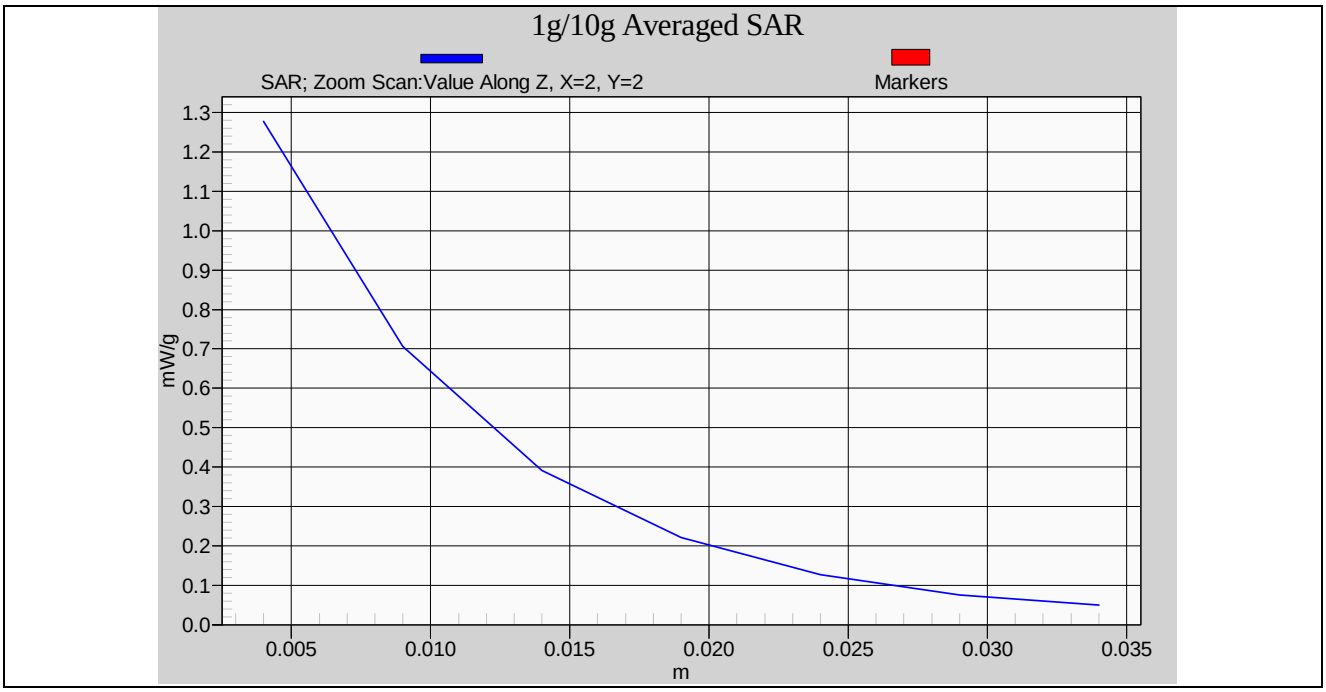
10.1.4 802.11b Body SAR _ EUT Bottom to phantom (5mm), NB close Body 0 mm separation

Ambient：			
Temperature (℃)：	22 ± 2	Relative HUMIDITY (%)：	40 - 70
Liquid：			
Mixture Type：	MSL2450	Liquid Temperature (℃) ：	22.0
		Depth of liquid (cm)：	15
Measurement：			
Crest Factor：	1	Probe S/N：	3150

Frequency (MHz)	Data Rate	Power (dBm)	Phantom Position	SAR_{1g} [mW/g]	Power Drift (dB)	Amb. Temp.	Remark
2412	1 M	18.25	Flat	1.040	0.171	22.0	-
2437	1 M	18.43	Flat	0.981	-0.006	22.0	-
2462	1 M	18.48	Flat	0.800	0.096	22.0	-
2412	11 M	18.12	Flat	1.160	-0.105	22.0	-
2437	11 M	18.39	Flat	0.873	-0.029	22.0	-
2462	11 M	18.23	Flat	0.708	-0.063	22.0	-
Std. C95.1-1999 - Safety Limit Spatial Peak Uncontrolled Exposure/General Population				1.6 W/kg (mW/g) Averaged over 1 gram			

Detail results see Appendix B.

Z-axis Plot of SAR Measurement



SAR Measurement (Flat Section) _ 2412MHz (Rate 11M)

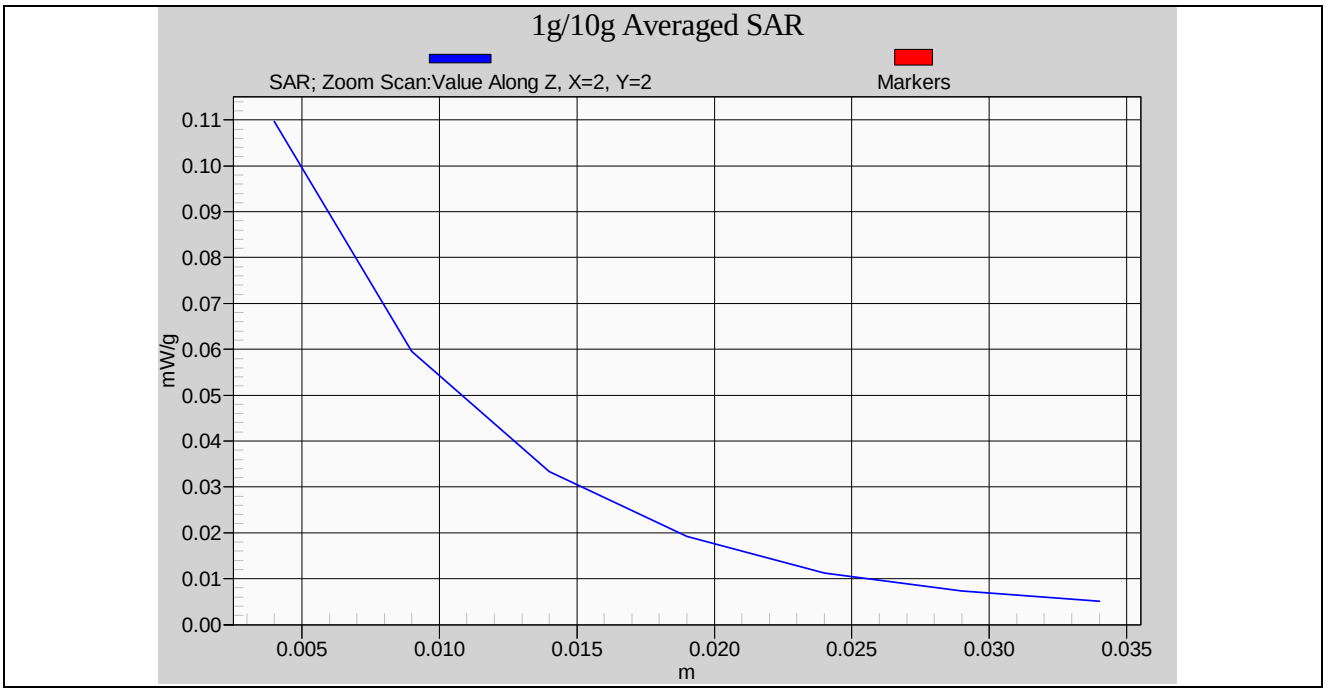
10.1.5 802.11g Body SAR _ EUT Tip to phantom, close Body 0 mm separation

Ambient：			
Temperature (℃)：	22 ± 2	Relative HUMIDITY (%)：	40 - 70
Liquid：			
Mixture Type：	MSL2450	Liquid Temperature (℃) ：	22.0
		Depth of liquid (cm)：	15
Measurement：			
Crest Factor：	1	Probe S/N：	3150

Frequency (MHz)	Data Rate	Power (dBm)	Phantom Position	SAR_{1g} [mW/g]	Power Drift (dB)	Amb. Temp.	Remark
2412	6 M	20.66	Flat	0.096	0.191	22.0	-
2437	6 M	20.80	Flat	0.090	0.059	22.0	-
2462	6 M	20.64	Flat	0.081	-0.174	22.0	-
2412	54 M	20.63	Flat	0.093	0.105	22.0	-
2437	54 M	20.35	Flat	0.083	0.084	22.0	-
2462	54 M	20.43	Flat	0.075	0.142	22.0	-
Std. C95.1-1999 - Safety Limit Spatial Peak Uncontrolled Exposure/General Population				1.6 W/kg (mW/g) Averaged over 1 gram			

Detail results see Appendix B.

Z-axis Plot of SAR Measurement



SAR Measurement (Flat Section) _ 2412MHz (Rate 6M)

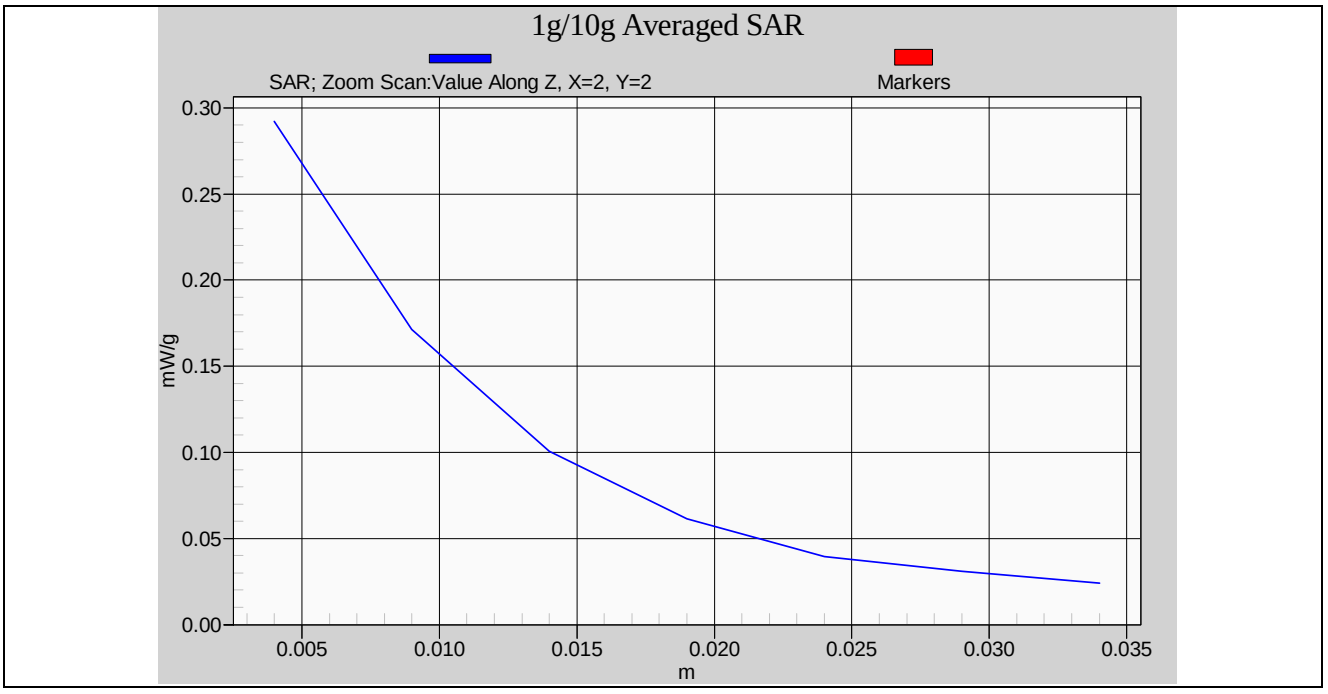
10.1.6 802.11g Body SAR _ EUT Bottom to phantom (5mm), NB close Body 0 mm separation

Ambient：			
Temperature (℃)：	22 ± 2	Relative HUMIDITY (%)：	40 - 70
Liquid：			
Mixture Type：	MSL2450	Liquid Temperature (℃) ：	22.0
		Depth of liquid (cm)：	15
Measurement：			
Crest Factor：	1	Probe S/N：	3150

Frequency (MHz)	Data Rate	Power (dBm)	Phantom Position	SAR_{1g} [mW/g]	Power Drift (dB)	Amb. Temp.	Remark
2412	6 M	20.66	Flat	0.232	-0.121	22.0	-
2437	6 M	20.80	Flat	0.240	-0.034	22.0	-
2462	6 M	20.64	Flat	0.220	-0.146	22.0	-
2412	54 M	20.63	Flat	0.253	-0.050	22.0	-
2437	54 M	20.35	Flat	0.222	-0.110	22.0	-
2462	54 M	20.43	Flat	0.224	-0.090	22.0	-
Std. C95.1-1999 - Safety Limit Spatial Peak Uncontrolled Exposure/General Population				1.6 W/kg (mW/g) Averaged over 1 gram			

Detail results see Appendix B.

Z-axis Plot of SAR Measurement



SAR Measurement (Flat Section) _ 2412MHz (Rate 54M)

10.2 Antenna A

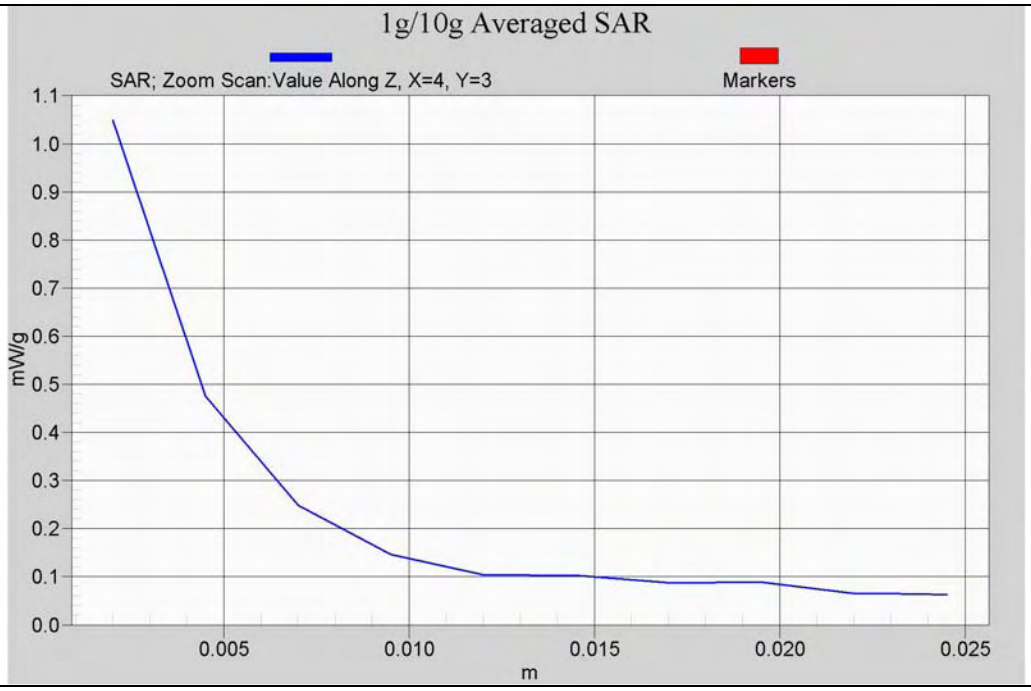
10.2.1 802.11a Body SAR _ EUT Tip to phantom, close Body 0 mm separation

Ambient：			
Temperature (℃)：	22 ± 2	Relative HUMIDITY (%)：	40 - 70
Liquid：			
Mixture Type：	MSL5200/5800	Liquid Temperature (℃) ：	22.0
		Depth of liquid (cm)：	15
Measurement：			
Crest Factor：	1	Probe S/N：	3519/3552

Frequency (MHz)	Data Rate	Power (dBm)	Phantom Position	SAR_{1g} [mW/g]	Power Drift (dB)	Amb. Temp.	Remark
5180	6 M	21.05	Flat	1.120	0.077	22.0	-
5240	6 M	21.24	Flat	0.952	-0.001	22.0	-
5260	6 M	21.31	Flat	1.030	0.065	22.0	-
5320	6 M	21.47	Flat	1.170	-0.026	22.0	-
5745	6 M	22.87	Flat	0.928	-0.099	22.0	-
5785	6 M	22.43	Flat	0.911	-0.022	22.0	-
5825	6 M	22.79	Flat	1.000	0.053	22.0	-
5180	54 M	20.96	Flat	0.558	-0.068	22.0	-
5240	54 M	21.21	Flat	0.474	0.113	22.0	-
5260	54 M	21.30	Flat	0.466	-0.037	22.0	-
5320	54 M	21.31	Flat	0.595	-0.041	22.0	-
5745	54 M	22.76	Flat	0.415	-0.040	22.0	-
5785	54 M	22.44	Flat	0.323	-0.020	22.0	-
5825	54 M	22.76	Flat	0.266	0.096	22.0	-
Std. C95.1-1999 - Safety Limit Spatial Peak Uncontrolled Exposure/General Population				1.6 W/kg (mW/g) Averaged over 1 gram			

Detail results see Appendix B.

Z-axis Plot of SAR Measurement



SAR Measurement (Flat Section) _ 5320MHz (Rate 6M)

10.2.2 802.11a Body SAR _ EUT Bottom to phantom (5mm), NB close Body 0 mm separation

Ambient：

Temperature (℃)：	22 ± 2	Relative HUMIDITY (%)：	40 - 70

Liquid：

Mixture Type：	MSL5200/5800	Liquid Temperature (℃) ：	22.0
		Depth of liquid (cm)：	15

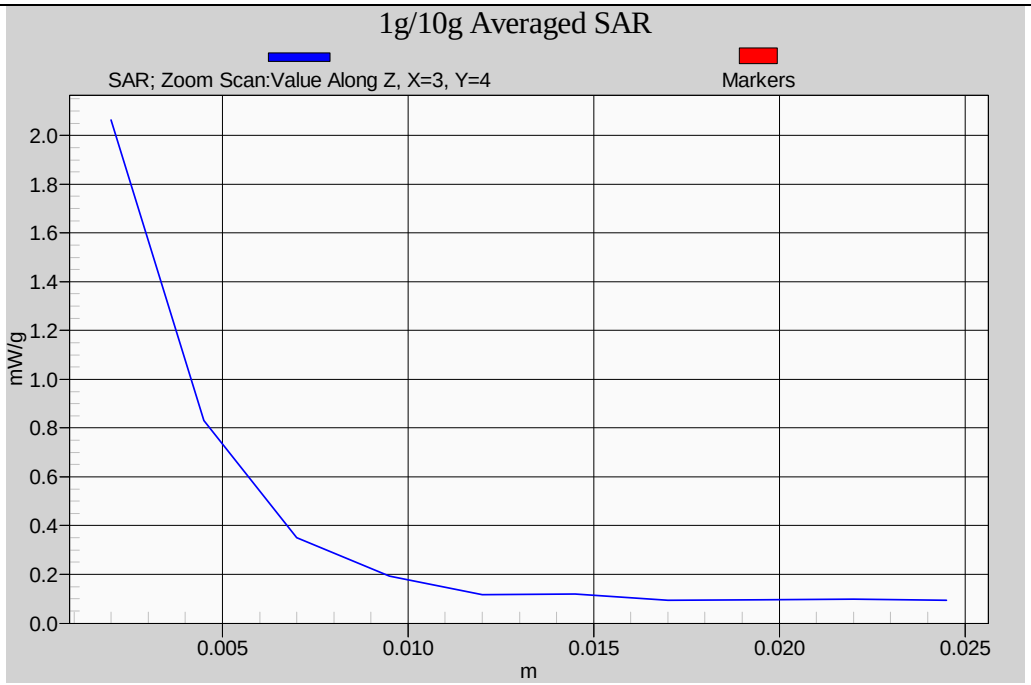
Measurement：

Crest Factor：	1	Probe S/N：	3519/3552

Frequency (MHz)	Data Rate	Power (dBm)	Phantom Position	SAR_{1g} [mW/g]	Power Drift (dB)	Amb. Temp.	Remark
5180	6 M	22.01	Flat	1.050	0.023	22.0	-
5240	6 M	21.24	Flat	0.941	0.006	22.0	-
5260	6 M	21.31	Flat	0.998	-0.016	22.0	-
5320	6 M	22.61	Flat	1.060	0.040	22.0	-
5745	6 M	22.87	Flat	1.010	-0.071	22.0	-
5785	6 M	22.43	Flat	0.833	-0.052	22.0	-
5825	6 M	22.79	Flat	1.070	0.041	22.0	-
5180	54 M	22.15	Flat	0.422	0.109	5180	-
5240	54 M	21.21	Flat	0.424	0.048	22.0	-
5260	54 M	21.30	Flat	0.398	0.119	22.0	-
5320	54 M	22.75	Flat	0.444	-0.155	22.0	-
5745	54 M	22.76	Flat	0.429	0.042	22.0	-
5785	54 M	22.44	Flat	0.408	-0.031	22.0	-
5825	54 M	22.76	Flat	0.313	-0.018	22.0	-
Std. C95.1-1999 - Safety Limit Spatial Peak Uncontrolled Exposure/General Population				1.6 W/kg (mW/g) Averaged over 1 gram			

Detail results see Appendix B.

Z-axis Plot of SAR Measurement



SAR Measurement (Flat Section) _ 5825MHz (Rate 6M)

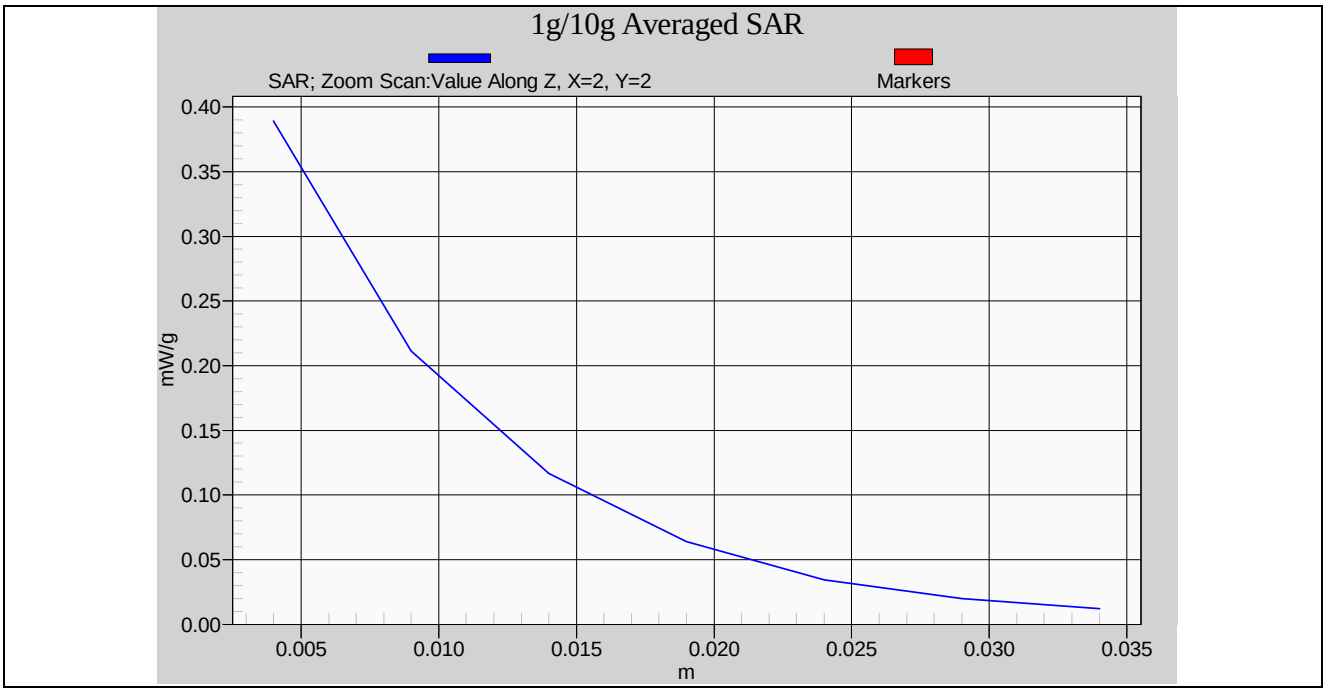
10.2.3 802.11b Body SAR _ EUT Tip to phantom, close Body 0 mm separation

Ambient：			
Temperature (℃)：	22 ± 2	Relative HUMIDITY (%)：	40 - 70
Liquid：			
Mixture Type：	MSL2450	Liquid Temperature (℃) ：	22.0
		Depth of liquid (cm)：	15
Measurement：			
Crest Factor：	1	Probe S/N：	3150

Frequency (MHz)	Data Rate	Power (dBm)	Phantom Position	SAR_{1g} [mW/g]	Power Drift (dB)	Amb. Temp.	Remark
2412	1 M	18.25	Flat	0.335	0.005	22.0	-
2412	11 M	18.12	Flat	0.331	0.021	22.0	-
Std. C95.1-1999 - Safety Limit Spatial Peak Uncontrolled Exposure/General Population				1.6 W/kg (mW/g) Averaged over 1 gram			

Detail results see Appendix B.

Z-axis Plot of SAR Measurement



SAR Measurement (Flat Section) _ 2412MHz (Rate 1M)

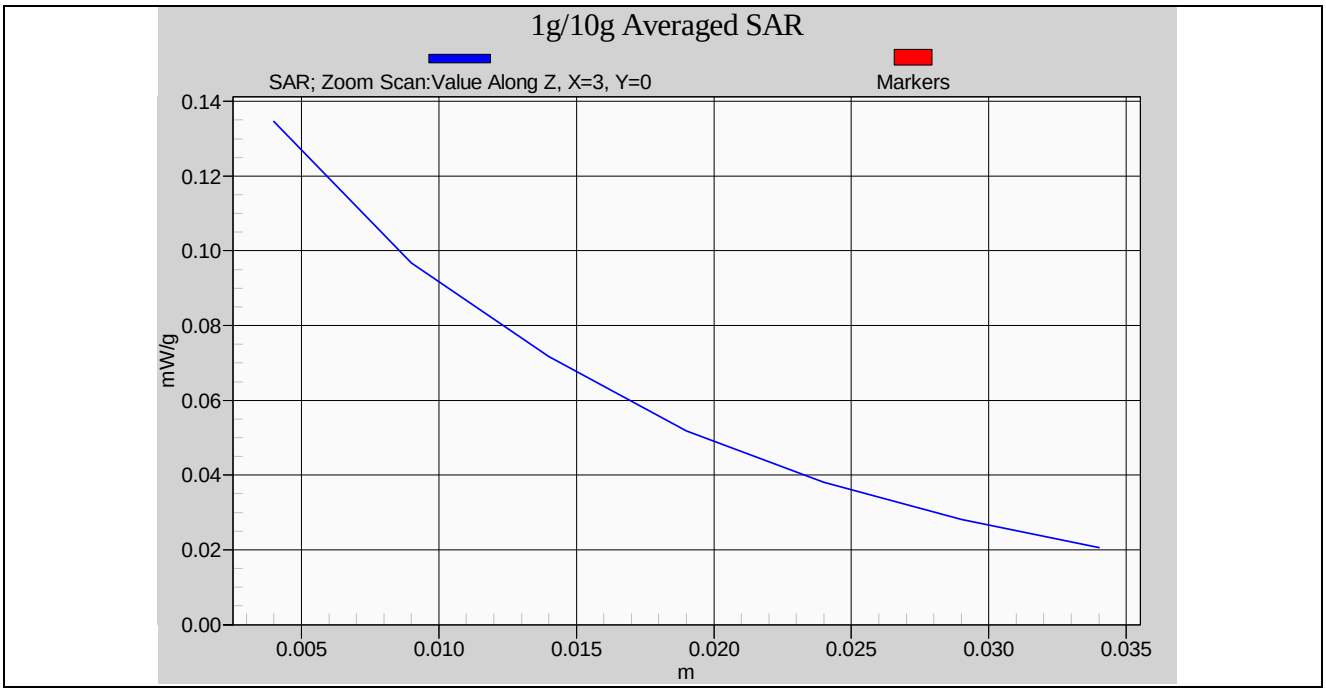
10.2.4 802.11b Body SAR _ EUT Bottom to phantom (5mm), NB close Body 0 mm separation

Ambient：			
Temperature (℃)：	22 ± 2	Relative HUMIDITY (%)：	40 - 70
Liquid：			
Mixture Type：	MSL2450	Liquid Temperature (℃) ：	22.0
		Depth of liquid (cm)：	15
Measurement：			
Crest Factor：	1	Probe S/N：	3150

Frequency (MHz)	Data Rate	Power (dBm)	Phantom Position	SAR_{1g} [mW/g]	Power Drift (dB)	Amb. Temp.	Remark
2412	1 M	18.25	Flat	0.794	-0.056	22.0	-
2437	1 M	18.43	Flat	0.741	-0.067	22.0	-
2462	1 M	18.48	Flat	0.600	-0.070	22.0	-
2412	11 M	18.12	Flat	0.778	-0.076	22.0	-
2437	11 M	18.39	Flat	0.750	-0.096	22.0	-
2462	11 M	18.23	Flat	0.610	-0.058	22.0	-
Std. C95.1-1999 - Safety Limit Spatial Peak Uncontrolled Exposure/General Population				1.6 W/kg (mW/g) Averaged over 1 gram			

Detail results see Appendix B.

Z-axis Plot of SAR Measurement



SAR Measurement (Flat Section) _ 2412MHz (Rate 11M)

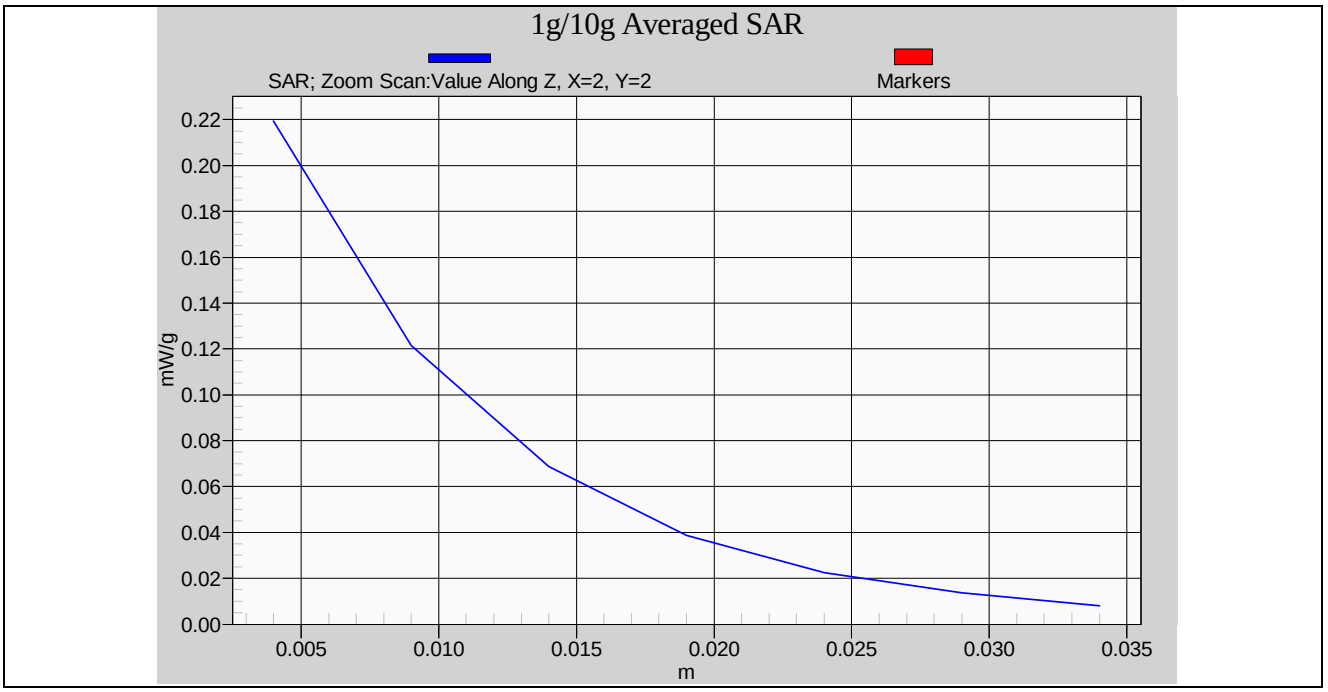
10.2.5 802.11g Body SAR _ EUT Tip to phantom, close Body 0 mm separation

Ambient：			
Temperature (℃)：	22 ± 2	Relative HUMIDITY (%)：	40 - 70
Liquid：			
Mixture Type：	MSL2450	Liquid Temperature (℃) ：	22.0
		Depth of liquid (cm)：	15
Measurement：			
Crest Factor：	1	Probe S/N：	3150

Frequency (MHz)	Data Rate	Power (dBm)	Phantom Position	SAR_{1g} [mW/g]	Power Drift (dB)	Amb. Temp.	Remark
2412	6 M	20.66	Flat	0.193	0.036	22.0	-
2412	54 M	20.63	Flat	0.097	0.079	22.0	-
Std. C95.1-1999 - Safety Limit Spatial Peak Uncontrolled Exposure/General Population				1.6 W/kg (mW/g) Averaged over 1 gram			

Detail results see Appendix B.

Z-axis Plot of SAR Measurement



SAR Measurement (Flat Section) _ 2412MHz (Rate 6M)

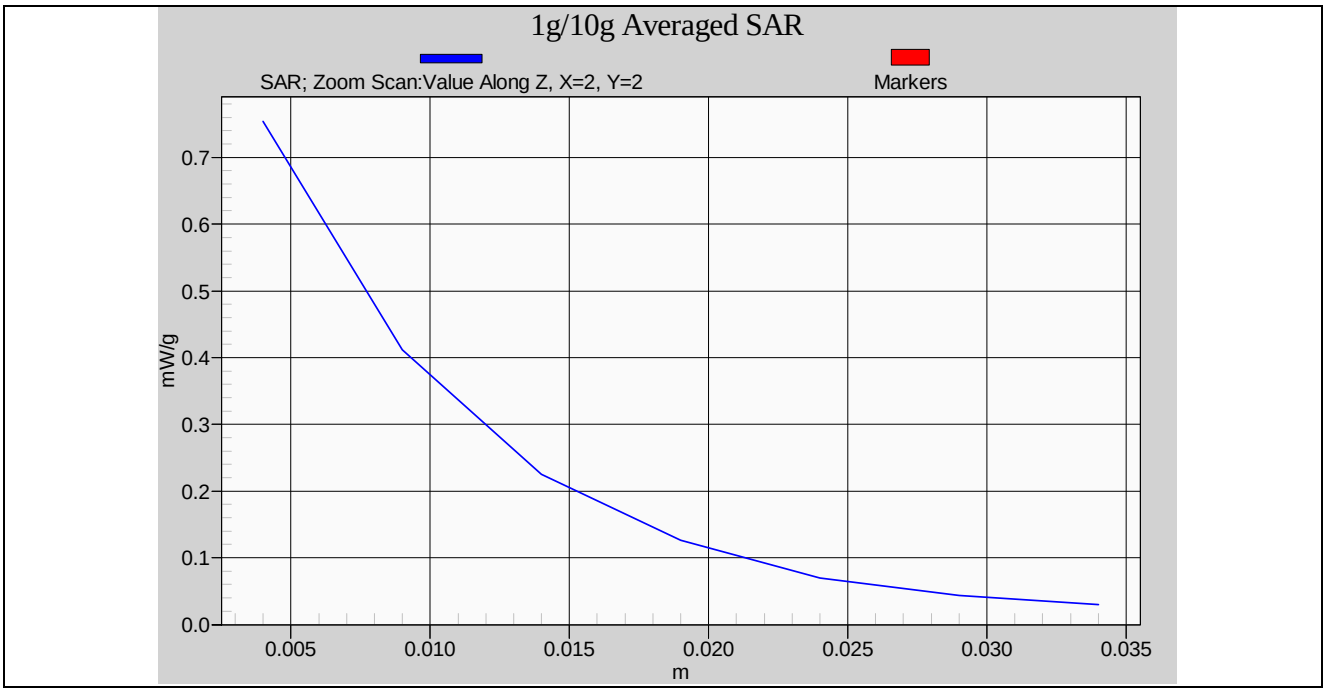
10.2.6 802.11g Body SAR _ EUT Bottom to phantom (5mm), NB close Body 0 mm separation

Ambient：			
Temperature (℃)：	22 ± 2	Relative HUMIDITY (%)：	40 - 70
Liquid：			
Mixture Type：	MSL2450	Liquid Temperature (℃) ：	22.0
		Depth of liquid (cm)：	15
Measurement：			
Crest Factor：	1	Probe S/N：	3150

Frequency (MHz)	Data Rate	Power (dBm)	Phantom Position	SAR_{1g} [mW/g]	Power Drift (dB)	Amb. Temp.	Remark
2412	6 M	20.66	Flat	0.647	-0.118	22.0	-
2437	6 M	20.80	Flat	0.592	-0.086	22.0	-
2462	6 M	20.64	Flat	0.544	-0.061	22.0	-
2412	54 M	20.63	Flat	0.340	-0.095	22.0	-
2437	54 M	20.35	Flat	0.298	-0.011	22.0	-
2462	54 M	20.43	Flat	0.278	-0.011	22.0	-
Std. C95.1-1999 - Safety Limit Spatial Peak Uncontrolled Exposure/General Population				1.6 W/kg (mW/g) Averaged over 1 gram			

Detail results see Appendix B.

Z-axis Plot of SAR Measurement



SAR Measurement (Flat Section) _ 2412MHz (Rate 6M)

10.3 Test Setup Photo

10.3.1 EUT Tip to phantom, close Body 0 mm separation

Figure 11. Body SAR Test Setup (Flat Section)

10.3.2 EUT Bottom to phantom (5mm), NB close Body 0mm separation

Figure 12. Body SAR Test Setup (Flat Section)

10.4 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 7. 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 **ACCTON Technology Corporation Trade Mark：SMC Model (s): SMC2536W-AG2** 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. Pokovi ć, T. Schmid, and N. Kuster, "*Robust setup for precise calibration of E-field probes in tissue simulating liquids at mobile communications frequency*", in ICECOM'97, Dubrovnik, October 15-17, 1997, pp.120-124.

[5] K. Pokovi ć, T. Schmid, and N. Kuster, "*E-field probe with improved isotropy in brain simulating liquids*", in Proceedings of the ELMAR, Zadar, Croatia, 23-25 June, 1996, pp.172-175.

[6] N. Kuster, and Q. Balzano, "*Energy absorption mechanism by biological bodies in the near field of dipole antennas above 300MHz"*, IEEE Transaction on Vehicular Technology, vol. 41, no. 1, Feb. 1992, pp. 17-23.

[7] Robert J. Renka, "*Multivariate Interpolation Of Large Sets Of Scattered Data*", University of North Texas ACM Transactions on Mathematical Software, vol. 14, no. 2, June 1988 , pp. 139-148.

[8] N. Kuster, R. Kastle, T. Schmid, *Dosimetric evaluation of mobile communications equipment with known precision*, IEEE Transaction on Communications, vol. E80-B, no. 5, May 1997, pp. 645-652.

[9] Std. C95.3-1991, "*IEEE Recommended Practice for the Measurement of Potentially Hazardous Electromagnetic Fields - RF and Microwave,* New York: IEEE", Aug. 1992.

[10] CENELEC CLC/SC111B, European Prestandard (prENV 50166-2), *Human Exposure to Electromagnetic Fields High-frequency*: 10KHz-300GHz, Jan. 1995.

Appendix A - System Performance Check

See following Attached Pages for System Performance Check.

Test Laboratory: A TEST LAB TECHNO CORP.

Date/Time: 5/29/2008 10:23:46 AM

System Performance Check at 2450MHz_20080529_Body

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

Communication System: CW; Frequency: 2450 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2450 MHz; σ = 1.96 mho/m; ε_r = 52.4; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

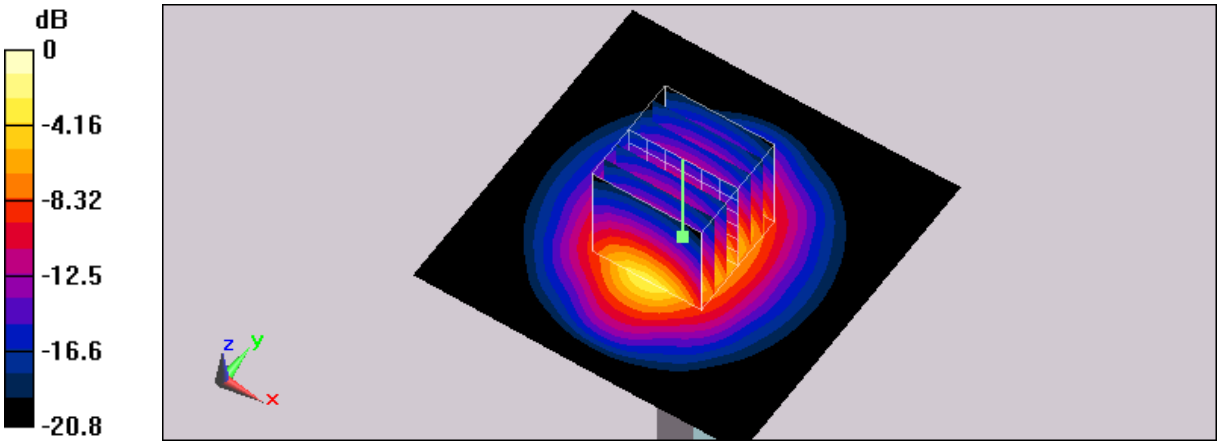
- Probe: ES3DV3 - SN3150; ConvF(4.19, 4.19, 4.19); Calibrated: 1/9/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 11/30/2007
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 119; SEMCAD X Version 13.2 Build 87

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

Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 15.7 mW/g

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

Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 91.5 V/m; Power Drift = -0.0036 dB
Peak SAR (extrapolated) = 27.4 W/kg
SAR(1 g) = 13.7 mW/g; SAR(10 g) = 6.42 mW/g
Maximum value of SAR (measured) = 15.8 mW/g



0 dB = 15.8mW/g

Test Laboratory: A Test Lab Techno Corp.

Date/Time: 8/18/2008 6:12:40 PM

System Performance Check at 2450MHz_20080818_Body

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

Communication System: CW; Frequency: 2450 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2450 MHz; σ = 1.96 mho/m; ε_r = 52.4; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

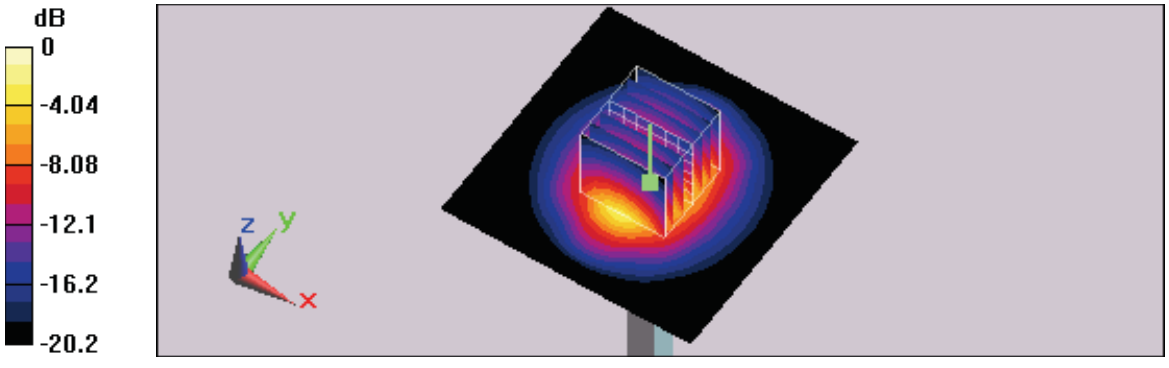
- Probe: ES3DV3 - SN3150; ConvF(4.19, 4.19, 4.19); Calibrated: 1/9/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 11/30/2007
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 119; SEMCAD X Version 13.2 Build 87

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

Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 16.1 mW/g

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

Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 92.3 V/m; Power Drift = -0.00474 dB
Peak SAR (extrapolated) = 25.5 W/kg
SAR(1 g) = 13 mW/g; SAR(10 g) = 6.23 mW/g
Maximum value of SAR (measured) = 15 mW/g



0 dB = 15mW/g

Test Laboratory: A TEST LAB TECHNO CORP.

Date/Time: 5/30/2008 3:03:21 PM

System Performance Check at 5200MHz_20080530_Body

DUT: Dipole 5200 MHz - SN:1021; Type: D5GHzV2; Serial: D5GHzV2 - SN:1021

Communication System: CW; Frequency: 5200 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5200 MHz; σ = 5.3 mho/m; ε_r = 49; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

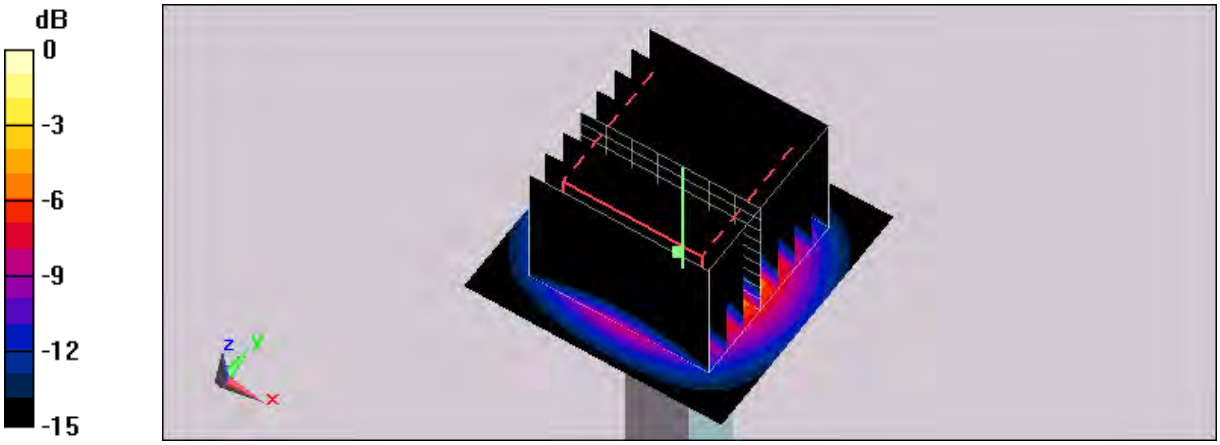
- Probe: EX3DV3 - SN3519; ConvF(4.65, 4.65, 4.65); Calibrated: 3/21/2008
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 11/30/2007
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 119; SEMCAD X Version 13.2 Build 87

System Performance Check at 5200MHz/Area Scan (41x41x1):

Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 18 mW/g

System Performance Check at 5200MHz/Zoom Scan (8x8x10)/Cube 0:

Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 62 V/m; Power Drift = -0.075 dB
Peak SAR (extrapolated) = 34.1 W/kg
SAR(1 g) = 8.24 mW/g; SAR(10 g) = 2.27 mW/g
Maximum value of SAR (measured) = 16.4 mW/g



0 dB = 16.4mW/g

Test Laboratory: A TEST LAB TECHNO CORP.

Date/Time: 6/5/2008 9:15:21 PM

System Performance Check at 5200MHz_20080605_Body

DUT: Dipole 5200 MHz - SN:1021; Type: D5GHzV2; Serial: D5GHzV2 - SN:1021

Communication System: CW; Frequency: 5200 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5200 MHz; σ = 5.3 mho/m; ε_r = 49; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

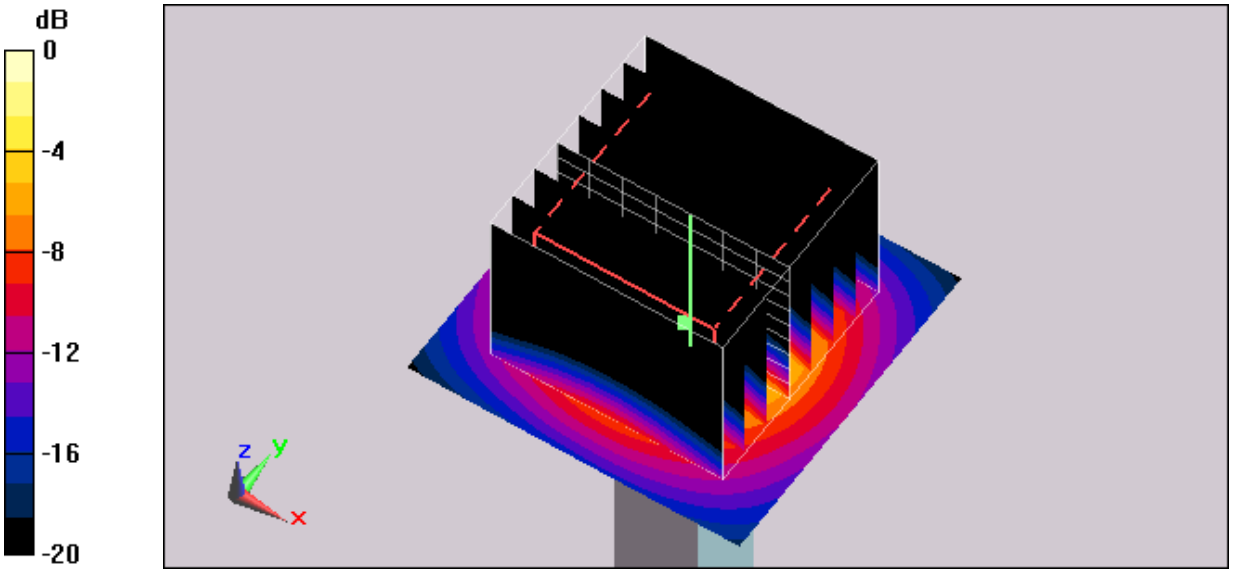
- Probe: EX3DV4 - SN3552 add; ConvF(4.17, 4.17, 4.17); Calibrated: 3/21/2008
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 11/30/2007
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 119; SEMCAD X Version 13.2 Build 87

System Performance Check at 5200MHz/Area Scan (41x41x1):

Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 18.1 mW/g

System Performance Check at 5200MHz/Zoom Scan (8x8x10)/Cube 0:

Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 63 V/m; Power Drift = -0.121 dB
Peak SAR (extrapolated) = 33.9 W/kg
SAR(1 g) = 8.25 mW/g; SAR(10 g) = 2.28 mW/g
Maximum value of SAR (measured) = 16.5 mW/g



0 dB = 16.5mW/g

Test Laboratory: A TEST LAB TECHNO CORP.

Date/Time: 7/23/2008 5:18:26 PMDate/Time: 7/23/2008 5:30:55 PM

System Performance Check at 5200MHz_20080723_Body

DUT: Dipole 5200 MHz - SN:1021; Type: D5GHzV2; Serial: D5GHzV2 - SN:1021

Communication System: CW; Frequency: 5200 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5200 MHz; σ = 5.3 mho/m; ε_r = 49; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

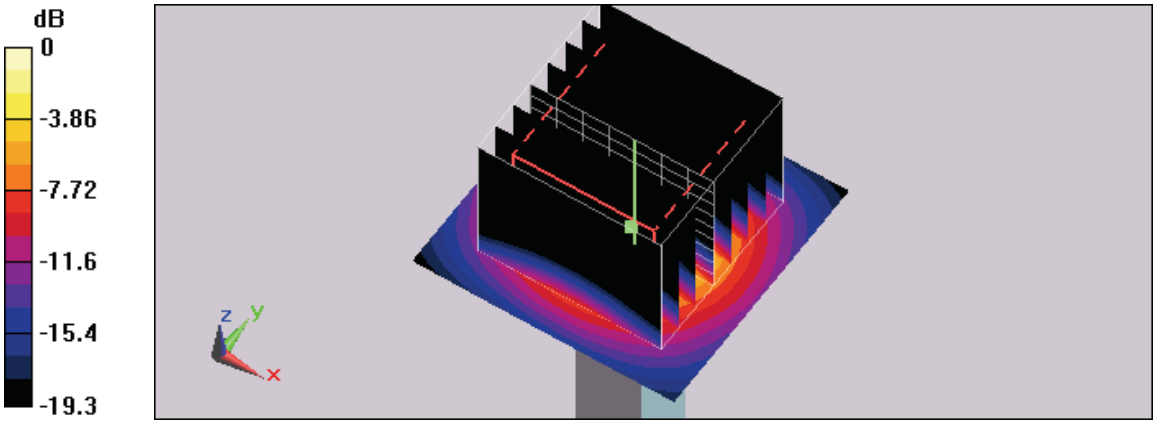
- Probe: EX3DV4 - SN3552 add; ConvF(4.53, 4.53, 4.53); Calibrated: 3/21/2008
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 11/30/2007
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 119; SEMCAD X Version 13.2 Build 87

System Performance Check at 5200MHz/Area Scan (41x41x1):

Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 17.9 mW/g

System Performance Check at 5200MHz/Zoom Scan (8x8x10)/Cube 0:

Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 60 V/m; Power Drift = -0.044 dB
Peak SAR (extrapolated) = 34.3 W/kg
SAR(1 g) = 8.22 mW/g; SAR(10 g) = 2.26 mW/g
Maximum value of SAR (measured) = 16.1 mW/g



0 dB = 16.1mW/g

Test Laboratory: A Test Lab Techno Corp.

Date/Time: 8/13/2008 3:51:17 PM

System Performance Check at 5200MHz_20080813_Body

DUT: Dipole 5800 MHz - SN:1021; Type: D5GHzV2; Serial: 1021

Communication System: CW; Frequency: 5200 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5200 MHz; σ = 5.3 mho/m; ε_r = 49; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

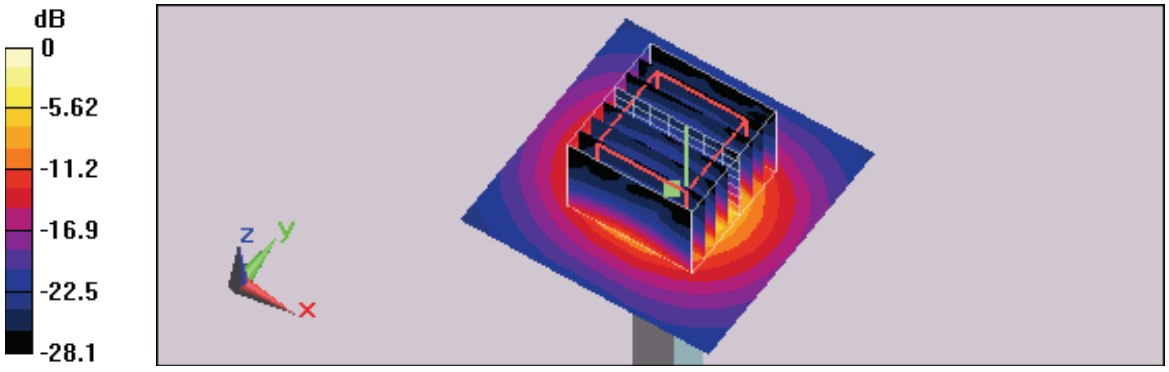
- Probe: EX3DV4 - SN3552 add; ConvF(4.53, 4.53, 4.53); Calibrated: 3/21/2008
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 11/30/2007
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 119; SEMCAD X Version 13.2 Build 87

System Performance Check at 5200MHz/Area Scan (61x61x1):

Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 17.3 mW/g

System Performance Check at 5200MHz/Zoom Scan (8x8x8)/Cube 0:

Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm
Reference Value = 49.1 V/m; Power Drift = -0.025 dB
Peak SAR (extrapolated) = 34.7 W/kg
SAR(1 g) = 8.07 mW/g; SAR(10 g) = 2.27 mW/g
Maximum value of SAR (measured) = 15.6 mW/g



0 dB = 15.6mW/g

Test Laboratory: A Test Lab Techno Corp.

Date/Time: 8/15/2008 12:21:03 PM

System Performance Check at 5200MHz_20080815_Body

DUT: Dipole 5800 MHz - SN:1021; Type: D5GHzV2; Serial: 1021

Communication System: CW; Frequency: 5200 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5200 MHz; σ = 5.3 mho/m; ε_r = 49; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

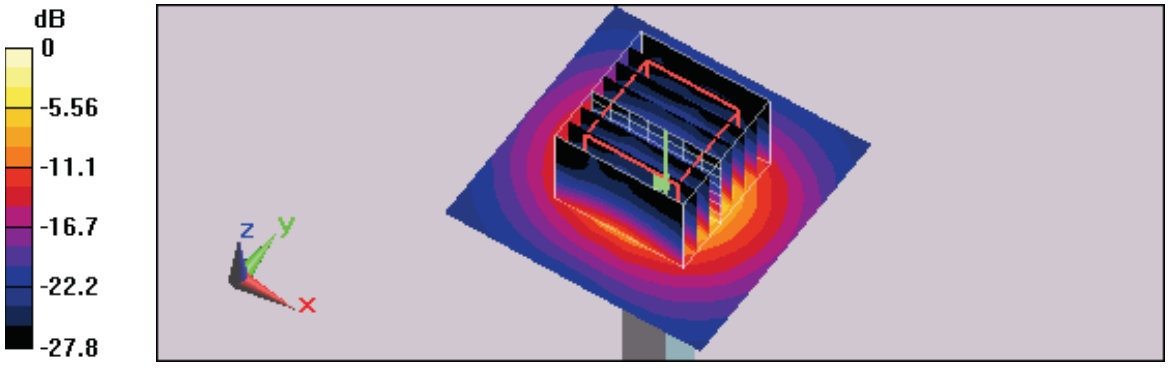
- Probe: EX3DV4 - SN3552 add; ConvF(4.53, 4.53, 4.53); Calibrated: 3/21/2008
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 11/30/2007
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 119; SEMCAD X Version 13.2 Build 87

System Performance Check at 5200MHz/Area Scan (61x61x1):

Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 17.2 mW/g

System Performance Check at 5200MHz/Zoom Scan (8x8x8)/Cube 0:

Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm
Reference Value = 49.2 V/m; Power Drift = -0.059 dB
Peak SAR (extrapolated) = 33.2 W/kg
SAR(1 g) = 8.17 mW/g; SAR(10 g) = 2.29 mW/g
Maximum value of SAR (measured) = 16.3 mW/g



0 dB = 16.3mW/g

Test Laboratory: A TEST LAB TECHNO CORP.

Date/Time: 5/30/2008 3:40:10 PM

System Performance Check at 5800MHz_20080530_Body

DUT: Dipole 5800 MHz - SN:1021; Type: D5GHzV2; Serial: D5GHzV2 - SN:1021

Communication System: CW; Frequency: 5800 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5800 MHz; σ = 5.8 mho/m; ε_r = 47.8; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

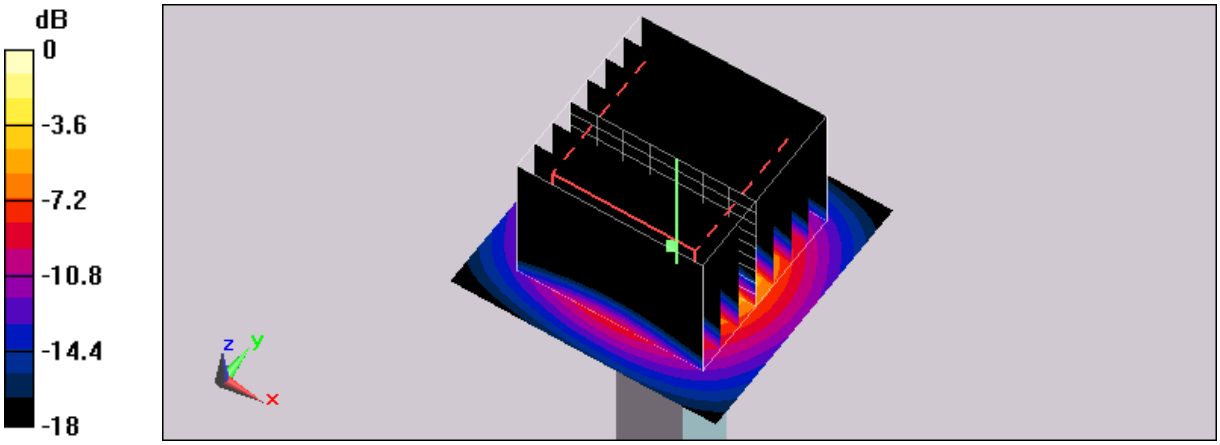
- Probe: EX3DV3 - SN3519; ConvF(3.88, 3.88, 3.88); Calibrated: 3/21/2008
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 11/30/2007
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 119; SEMCAD X Version 13.2 Build 87

System Performance Check at 5800MHz/Area Scan (41x41x1):

Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 18 mW/g

System Performance Check at 5800MHz/Zoom Scan (8x8x10)/Cube 0:

Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 60.6 V/m; Power Drift = -0.00367 dB
Peak SAR (extrapolated) = 37.3 W/kg
SAR(1 g) = 8.14 mW/g; SAR(10 g) = 2.23 mW/g
Maximum value of SAR (measured) = 16.7 mW/g



0 dB = 16.7mW/g

Test Laboratory: A TEST LAB TECHNO CORP.

Date/Time: 7/23/2008 5:40:16 PMDate/Time: 7/23/2008 6:05:14 PM

System Performance Check at 5800MHz_20080723_Body

DUT: Dipole 5800 MHz - SN:1021; Type: D5GHzV2; Serial: D5GHzV2 - SN:1021

Communication System: CW; Frequency: 5800 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5800 MHz; σ = 5.8 mho/m; ε_r = 47.8; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

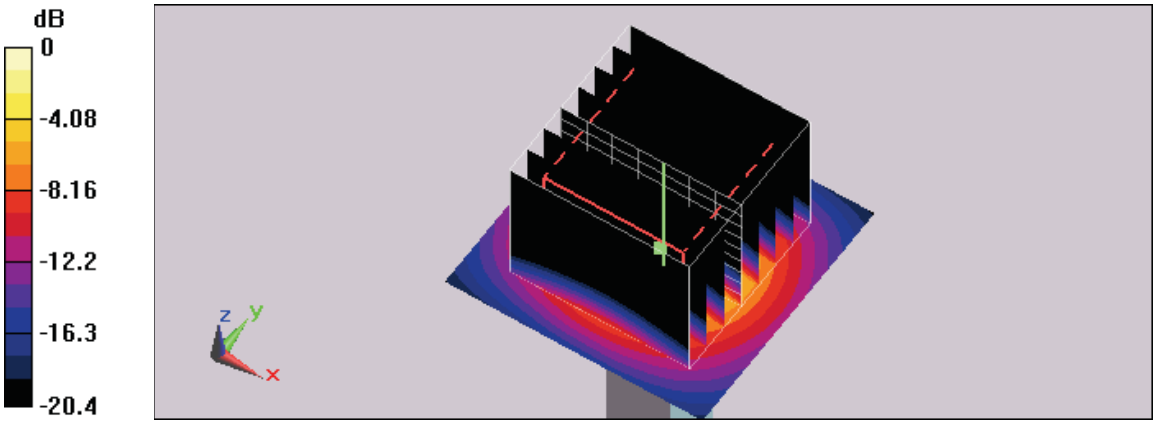
- Probe: EX3DV3 - SN3519; ConvF(3.88, 3.88, 3.88); Calibrated: 3/21/2008
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 11/30/2007
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 119; SEMCAD X Version 13.2 Build 87

System Performance Check at 5800MHz/Area Scan (41x41x1):

Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 18 mW/g

System Performance Check at 5800MHz/Zoom Scan (8x8x10)/Cube 0:

Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 61.1 V/m; Power Drift = -0.027 dB
Peak SAR (extrapolated) = 39.1 W/kg
SAR(1 g) = 8.11 mW/g; SAR(10 g) = 2.21 mW/g
Maximum value of SAR (measured) = 16.5 mW/g



0 dB = 16.5mW/g

Test Laboratory: A Test Lab Techno Corp.

Date/Time: 8/13/2008 5:47:28 PM

System Performance Check at 5800MHz_20080813_Body

DUT: Dipole 5800 MHz - SN:1021; Type: D5GHzV2; Serial: 1021

Communication System: CW; Frequency: 5800 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5800 MHz; σ = 5.8 mho/m; ε_r = 47.8; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

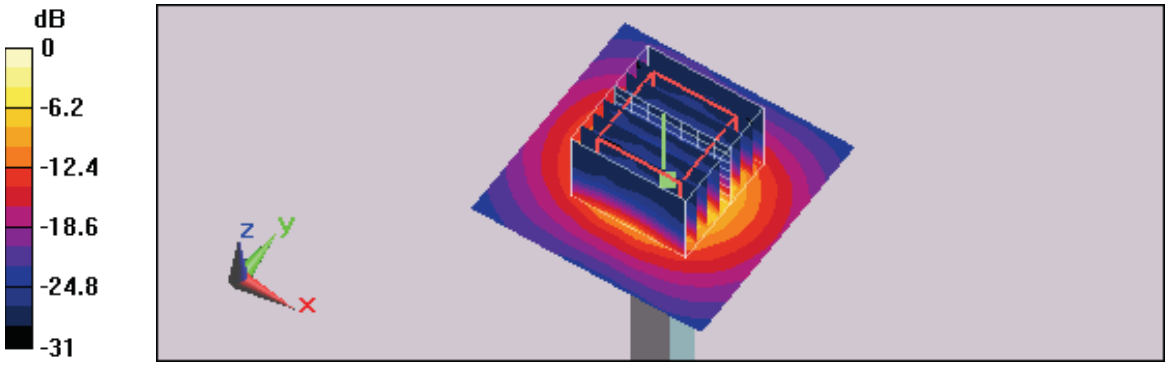
- Probe: EX3DV3 - SN3519; ConvF(3.88, 3.88, 3.88); Calibrated: 3/21/2008
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 11/30/2007
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 119; SEMCAD X Version 13.2 Build 87

System Performance Check at 5800MHz/Area Scan (61x61x1):

Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 17.7 mW/g

System Performance Check at 5800MHz/Zoom Scan (8x8x8)/Cube 0:

Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm
Reference Value = 45.8 V/m; Power Drift = -0.032 dB
Peak SAR (extrapolated) = 36.7 W/kg
SAR(1 g) = 8.12 mW/g; SAR(10 g) = 2.25 mW/g
Maximum value of SAR (measured) = 16.1 mW/g



0 dB = 16.1mW/g

Test Laboratory: A Test Lab Techno Corp.

Date/Time: 8/15/2008 11:47:52 AM

System Performance Check at 5800MHz_20080815_Body

DUT: Dipole 5800 MHz - SN:1021; Type: D5GHzV2; Serial: 1021

Communication System: CW; Frequency: 5800 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5800 MHz; σ = 5.8 mho/m; ε_r = 47.8; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

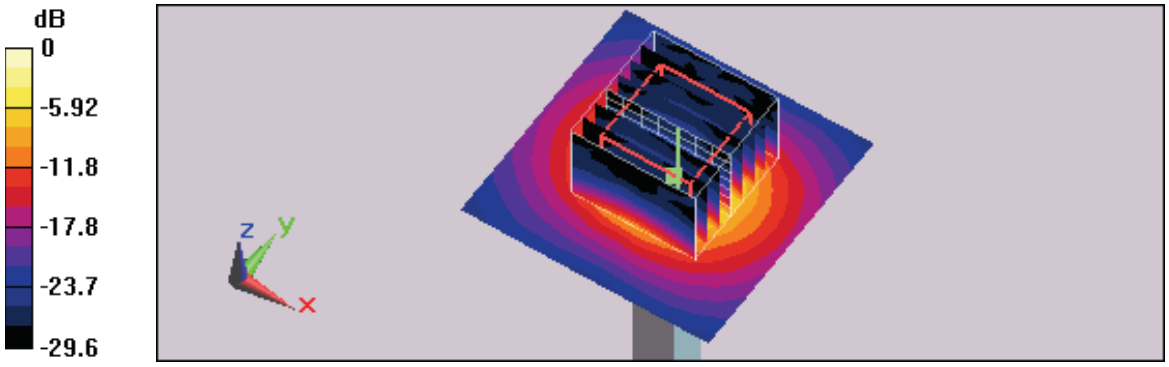
- Probe: EX3DV3 - SN3519; ConvF(3.88, 3.88, 3.88); Calibrated: 3/21/2008
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 11/30/2007
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 119; SEMCAD X Version 13.2 Build 87

System Performance Check at 5800MHz/Area Scan (61x61x1):

Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 16.8 mW/g

System Performance Check at 5800MHz/Zoom Scan (8x8x8)/Cube 0:

Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm
Reference Value = 45.7 V/m; Power Drift = -0.056 dB
Peak SAR (extrapolated) = 36.5 W/kg
SAR(1 g) = 7.63 mW/g; SAR(10 g) = 2.13 mW/g
Maximum value of SAR (measured) = 15.7 mW/g



0 dB = 15.7mW/g

Appendix B - SAR Measurement Data

See following Attached Pages for SAR Measurement Data.

Test Laboratory: A TEST LAB TECHNO CORP.

Date/Time: 5/30/2008 4:03:20 PM

Flat_802.11a Freq 5180MHz_Open Angle 90_Tip Close Body_6M

DUT: SMC2536W-AG2_Ant. B; Type: PCMCIA CARD; FCC ID: HEDSMC2536WAG2

Communication System: IEEE 802.11a; Frequency: 5180 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 5180 MHz; σ = 5.25 mho/m; ε_r = 48.6; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

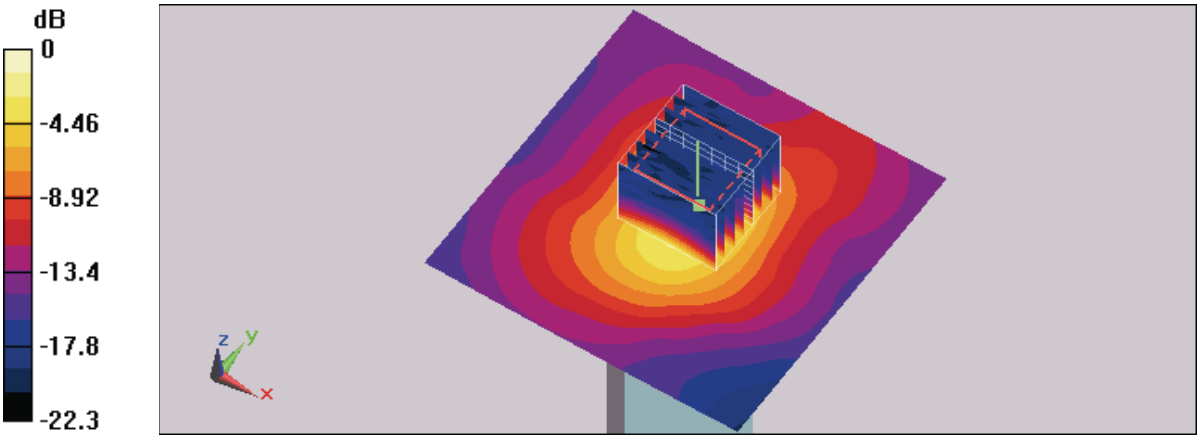
- Probe: EX3DV3 - SN3519; ConvF(4.65, 4.65, 4.65); Calibrated: 3/21/2008
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 11/30/2007
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 119; SEMCAD X Version 13.2 Build 87

Flat/Area Scan (91x91x1):

Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 1.91 mW/g

Flat/Zoom Scan (8x8x10)/Cube 0:

Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 19.7 V/m; Power Drift = -0.077 dB
Peak SAR (extrapolated) = 4.49 W/kg
SAR(1 g) = 1.08 mW/g; SAR(10 g) = 0.387 mW/g
Maximum value of SAR (measured) = 2.04 mW/g



0 dB = 2.04mW/g

Test Laboratory: A TEST LAB TECHNO CORP.

Date/Time: 5/30/2008 6:44:23 PM

Flat_802.11a Freq 5240MHz_Open Angle 90_Tip Close Body_6M

DUT: SMC2536W-AG2_Ant. B; Type: PCMCIA CARD; FCC ID: HEDSMC2536WAG2

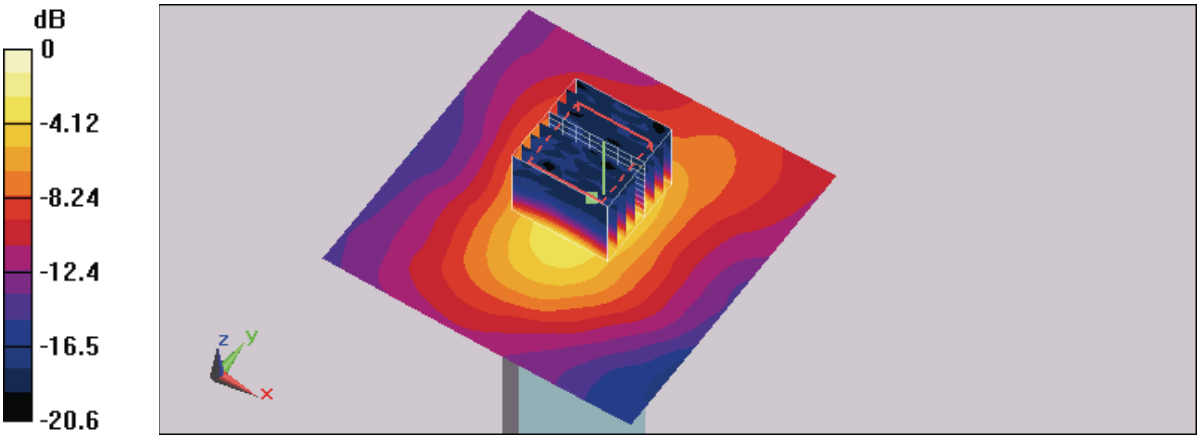
Communication System: IEEE 802.11a; Frequency: 5240 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 5240 MHz; σ = 5.41 mho/m; ε_r = 50; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Probe: EX3DV3 - SN3519; ConvF(4.65, 4.65, 4.65); Calibrated: 3/21/2008
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 11/30/2007
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 119; SEMCAD X Version 13.2 Build 87

Flat/Area Scan (91x91x1):
Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 1.74 mW/g

Flat/Zoom Scan (8x8x10)/Cube 0:
Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 17.8 V/m; Power Drift = 0.025 dB
Peak SAR (extrapolated) = 3.98 W/kg
SAR(1 g) = 0.975 mW/g; SAR(10 g) = 0.361 mW/g
Maximum value of SAR (measured) = 1.81 mW/g



0 dB = 1.81mW/g

Test Laboratory: A Test Lab Techno Corp.

Date/Time: 7/23/2008 10:27:49 PMDate/Time: 7/23/2008 10:36:44 PM

Flat_802.11a Freq 5260MHz_Open Angle 90_Tip Close Body_6M

DUT: SMC2536W-AG2_Ant. B; Type: PCMCIA CARD; FCC ID: HEDSMC2536WAG2

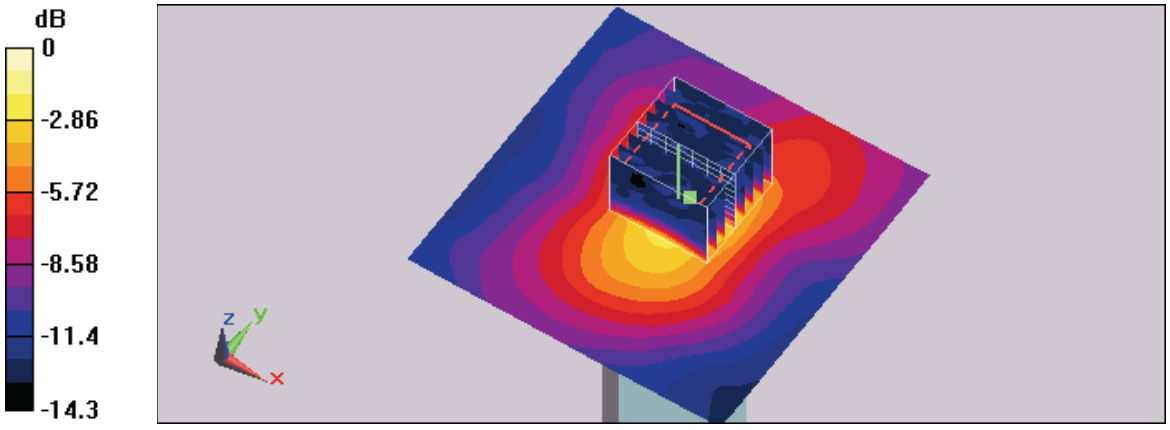
Communication System: IEEE 802.11a; Frequency: 5260 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 5260 MHz; σ = 5.46 mho/m; ε_r = 50.5; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Probe: EX3DV4 - SN3552 add; ConvF(4.17, 4.17, 4.17); Calibrated: 3/21/2008
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 11/30/2007
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 119; SEMCAD X Version 13.2 Build 87

Flat/Area Scan (91x91x1):
Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 1.79 mW/g

Flat/Zoom Scan (8x8x10)/Cube 0:
Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 17.5 V/m; Power Drift = -0.0054 dB
Peak SAR (extrapolated) = 4.21 W/kg
SAR(1 g) = 1.01 mW/g; SAR(10 g) = 0.421 mW/g
Maximum value of SAR (measured) = 1.8 mW/g



0 dB = 1.8mW/g

Test Laboratory: A Test Lab Techno Corp.

Date/Time: 7/23/2008 9:55:13 PMDate/Time: 7/23/2008 10:04:06 PM

Flat_802.11a Freq 5320MHz_Open Angle 90_Tip Close Body_6M

DUT: SMC2536W-AG2_Ant. B; Type: PCMCIA CARD; FCC ID: HEDSMC2536WAG2

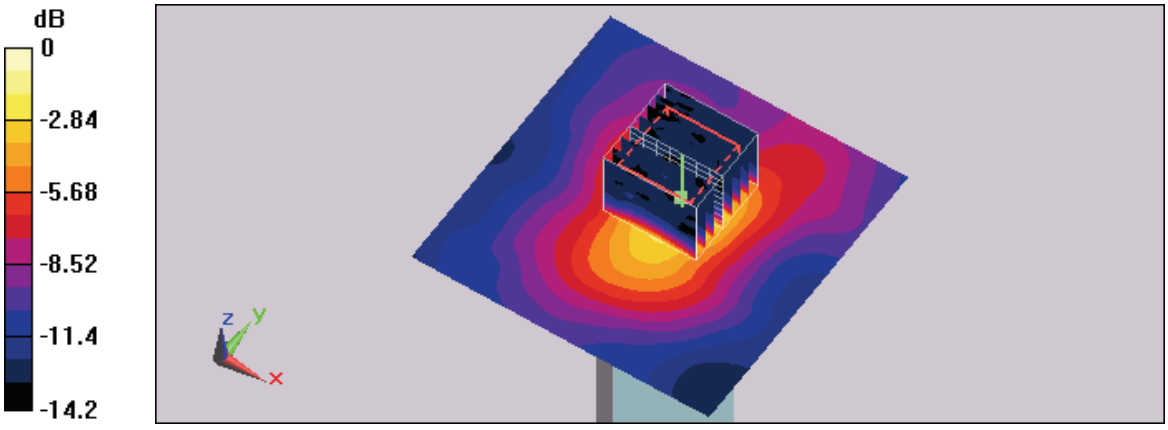
Communication System: IEEE 802.11a; Frequency: 5320 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5320 MHz; σ = 5.55 mho/m; ε_r = 51.4; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Probe: EX3DV4 - SN3552 add; ConvF(4.17, 4.17, 4.17); Calibrated: 3/21/2008
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 11/30/2007
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 119; SEMCAD X Version 13.2 Build 87

Flat/Area Scan (91x91x1):
Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 2.17 mW/g

Flat/Zoom Scan (8x8x10)/Cube 0:
Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 18.6 V/m; Power Drift = 0.053 dB
Peak SAR (extrapolated) = 4.86 W/kg
SAR(1 g) = 1.18 mW/g; SAR(10 g) = 0.487 mW/g
Maximum value of SAR (measured) = 2.18 mW/g



0 dB = 2.18mW/g

Test Laboratory: A TEST LAB TECHNO CORP.

Date/Time: 5/30/2008 11:46:04 PM

Flat_802.11a Freq 5745MHz_Open Angle 90_Tip Close Body_6M

DUT: SMC2536W-AG2_Ant. B; Type: PCMCIA CARD; FCC ID: HEDSMC2536WAG2

Communication System: IEEE 802.11a; Frequency: 5745 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 5745 MHz; σ = 5.81 mho/m; ε_r = 47.6; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

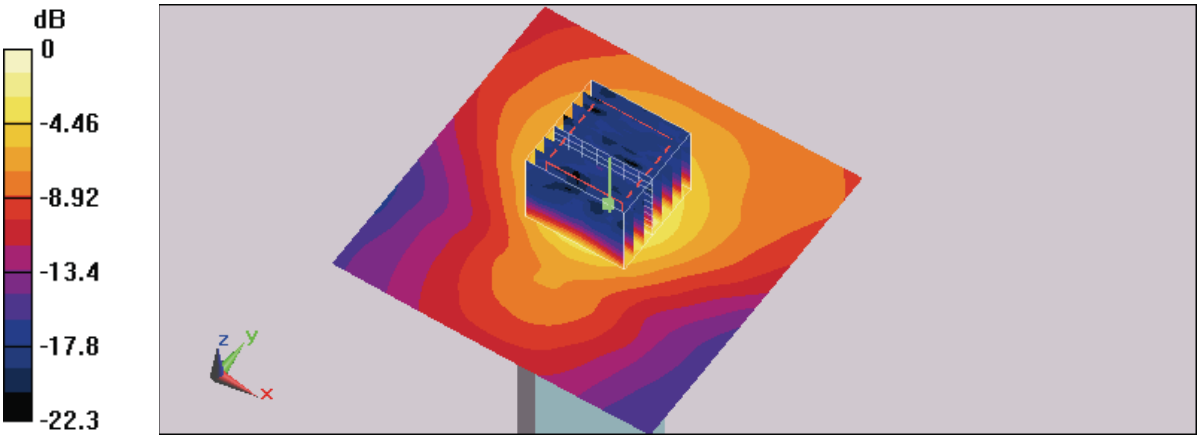
- Probe: EX3DV3 - SN3519; ConvF(3.88, 3.88, 3.88); Calibrated: 3/21/2008
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 11/30/2007
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 119; SEMCAD X Version 13.2 Build 87

Flat/Area Scan (91x91x1):

Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 2.07 mW/g

Flat/Zoom Scan (8x8x10)/Cube 0:

Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 19.7 V/m; Power Drift = -0.017 dB
Peak SAR (extrapolated) = 4.79 W/kg
SAR(1 g) = 1.1 mW/g; SAR(10 g) = 0.417 mW/g
Maximum value of SAR (measured) = 2.11 mW/g



0 dB = 2.11mW/g

Test Laboratory: A Test Lab Techno Corp.

Date/Time: 7/24/2008 12:07:03 AMDate/Time: 7/24/2008 12:16:22 AM

Flat_802.11a Freq 5785MHz_Open Angle 90_Tip Close Body_6M

DUT: SMC2536W-AG2_Ant. B; Type: PCMCIA CARD; FCC ID: HEDSMC2536WAG2

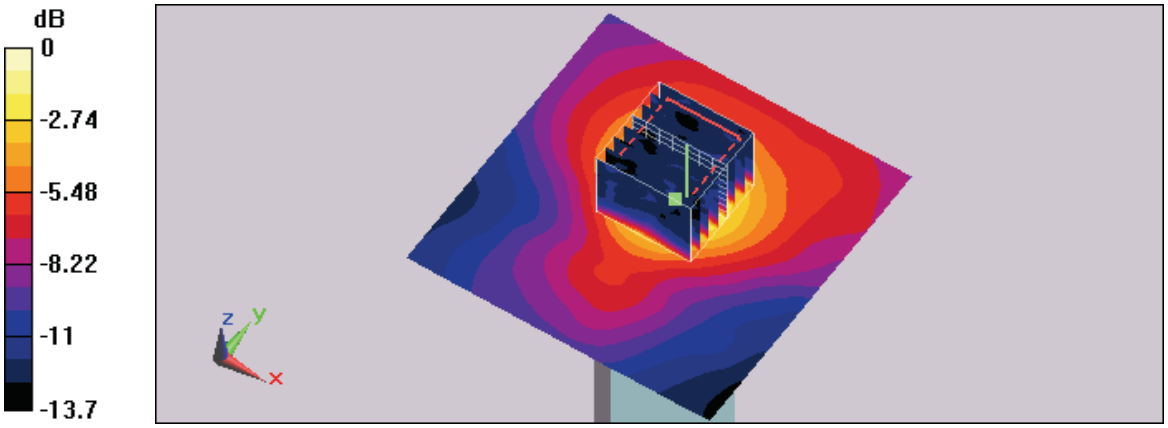
Communication System: IEEE 802.11a; Frequency: 5785 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 5785 MHz; σ = 5.8 mho/m; ε_r = 47.8; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Probe: EX3DV3 - SN3519; ConvF(3.88, 3.88, 3.88); Calibrated: 3/21/2008
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 11/30/2007
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 119; SEMCAD X Version 13.2 Build 87

Flat/Area Scan (91x91x1):
Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 1.12 mW/g

Flat/Zoom Scan (8x8x10)/Cube 0:
Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 13.8 V/m; Power Drift = -0.011 dB
Peak SAR (extrapolated) = 2.58 W/kg
SAR(1 g) = 0.616 mW/g; SAR(10 g) = 0.273 mW/g
Maximum value of SAR (measured) = 1.11 mW/g



0 dB = 1.11mW/g

Test Laboratory: A TEST LAB TECHNO CORP.

Date/Time: 5/31/2008 12:30:13 AM

Flat_802.11a Freq 5825MHz_Open Angle 90_Tip Close Body_6M

DUT: SMC2536W-AG2_Ant. B; Type: PCMCIA CARD; FCC ID: HEDSMC2536WAG2

Communication System: IEEE 802.11a; Frequency: 5825 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 5825 MHz; σ = 5.84 mho/m; ε_r = 47.9; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

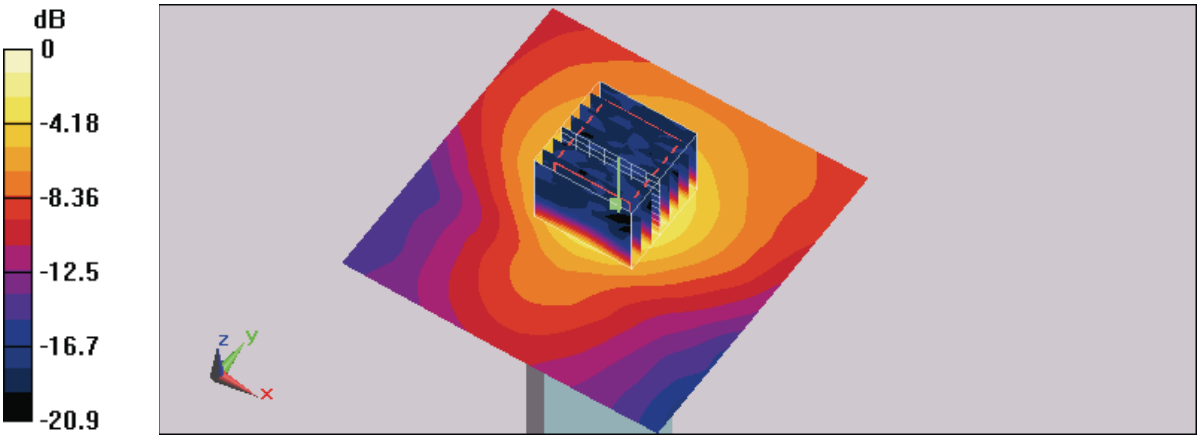
- Probe: EX3DV3 - SN3519; ConvF(3.88, 3.88, 3.88); Calibrated: 3/21/2008
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 11/30/2007
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 119; SEMCAD X Version 13.2 Build 87

Flat/Area Scan (91x91x1):

Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 2.23 mW/g

Flat/Zoom Scan (8x8x10)/Cube 0:

Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 20.5 V/m; Power Drift = 0.146 dB
Peak SAR (extrapolated) = 5.25 W/kg
SAR(1 g) = 1.19 mW/g; SAR(10 g) = 0.458 mW/g
Maximum value of SAR (measured) = 2.26 mW/g



0 dB = 2.26mW/g

Test Laboratory: A TEST LAB TECHNO CORP.

Date/Time: 5/31/2008 3:36:01 AM

Flat_802.11a Freq 5180MHz_Open Angle 90_Tip Close Body_54M

DUT: SMC2536W-AG2_Ant. B; Type: PCMCIA CARD; FCC ID: HEDSMC2536WAG2

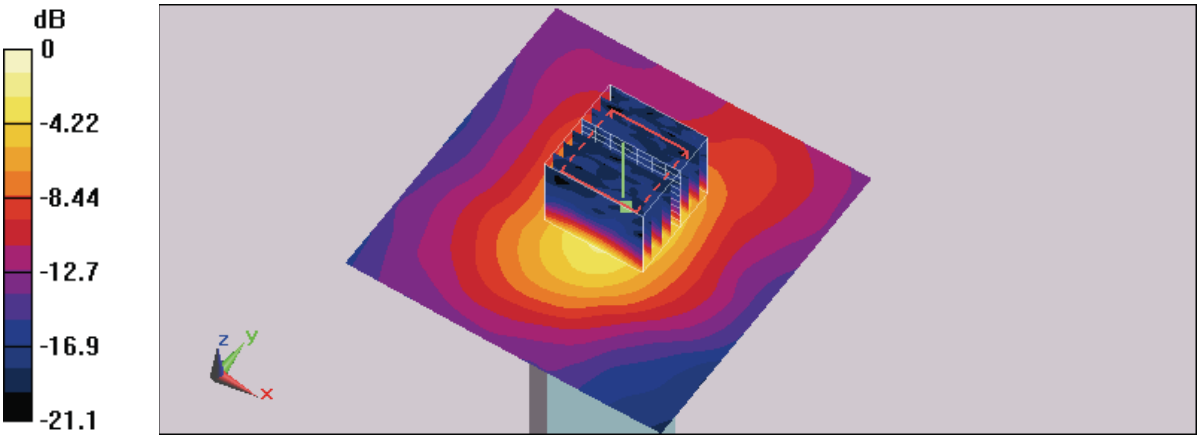
Communication System: IEEE 802.11a; Frequency: 5180 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 5180 MHz; σ = 5.25 mho/m; ε_r = 48.6; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Probe: EX3DV3 - SN3519; ConvF(4.65, 4.65, 4.65); Calibrated: 3/21/2008
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 11/30/2007
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 119; SEMCAD X Version 13.2 Build 87

Flat/Area Scan (91x91x1):
Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 1.68 mW/g

Flat/Zoom Scan (8x8x10)/Cube 0:
Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 18 V/m; Power Drift = -0.023 dB
Peak SAR (extrapolated) = 3.74 W/kg
SAR(1 g) = 0.892 mW/g; SAR(10 g) = 0.324 mW/g
Maximum value of SAR (measured) = 1.68 mW/g



0 dB = 1.68mW/g

Test Laboratory: A TEST LAB TECHNO CORP.

Date/Time: 5/31/2008 5:40:23 AM

Flat_802.11a Freq 5240MHz_Open Angle 90_Tip Close Body_54M

DUT: SMC2536W-AG2_Ant. B; Type: PCMCIA CARD; FCC ID: HEDSMC2536WAG2

Communication System: IEEE 802.11a; Frequency: 5240 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 5240 MHz; σ = 5.41 mho/m; ε_r = 50; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

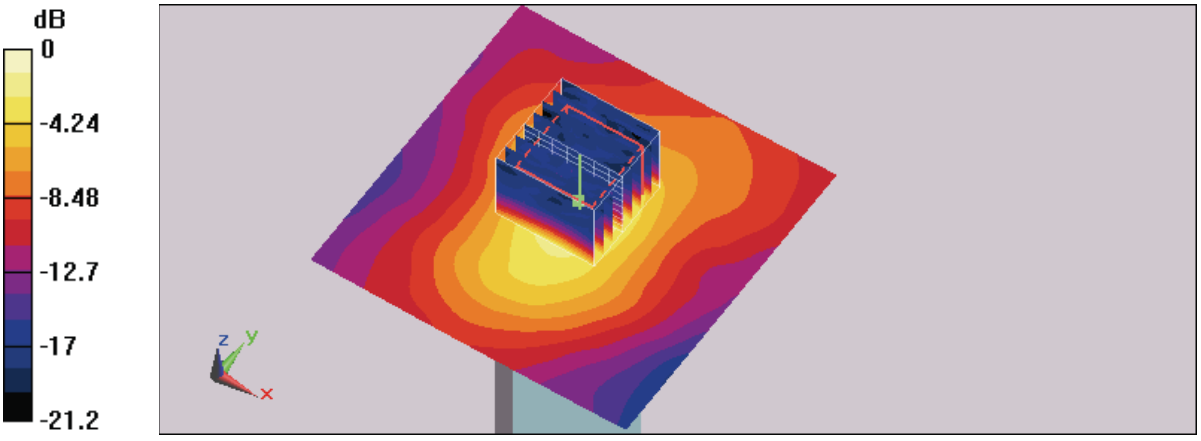
- Probe: EX3DV3 - SN3519; ConvF(4.65, 4.65, 4.65); Calibrated: 3/21/2008
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 11/30/2007
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 119; SEMCAD X Version 13.2 Build 87

Flat/Area Scan (91x91x1):

Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 1.45 mW/g

Flat/Zoom Scan (8x8x10)/Cube 0:

Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 17.1 V/m; Power Drift = 0.017 dB
Peak SAR (extrapolated) = 3.09 W/kg
SAR(1 g) = 0.763 mW/g; SAR(10 g) = 0.291 mW/g
Maximum value of SAR (measured) = 1.43 mW/g



0 dB = 1.43mW/g

Test Laboratory: A Test Lab Techno Corp.

Date/Time: 7/23/2008 8:24:53 PMDate/Time: 7/23/2008 8:33:49 PM

Flat_802.11a Freq 5260MHz_Open Angle 90_Tip Close Body_54M

DUT: SMC2536W-AG2_Ant. B; Type: PCMCIA CARD; FCC ID: HEDSMC2536WAG2

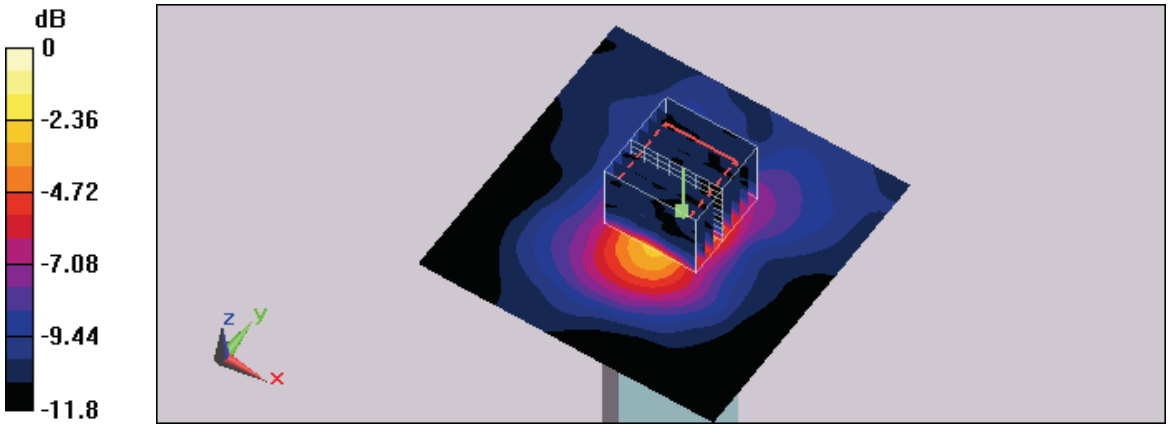
Communication System: IEEE 802.11a; Frequency: 5260 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 5260 MHz; σ = 5.46 mho/m; ε_r = 50.5; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Probe: EX3DV4 - SN3552 add; ConvF(4.17, 4.17, 4.17); Calibrated: 3/21/2008
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 11/30/2007
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 119; SEMCAD X Version 13.2 Build 87

Flat/Area Scan (91x91x1):
Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 1.26 mW/g

Flat/Zoom Scan (8x8x10)/Cube 0:
Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 15.4 V/m; Power Drift = -0.00862 dB
Peak SAR (extrapolated) = 3.08 W/kg
SAR(1 g) = 0.686 mW/g; SAR(10 g) = 0.285 mW/g
Maximum value of SAR (measured) = 1.27 mW/g



0 dB = 1.27mW/g

Test Laboratory: A Test Lab Techno Corp.

Date/Time: 7/23/2008 8:55:02 PMDate/Time: 7/23/2008 9:03:59 PM

Flat_802.11a Freq 5320MHz_Open Angle 90_Tip Close Body_54M

DUT: SMC2536W-AG2_Ant. B; Type: PCMCIA CARD; FCC ID: HDSMC2536WAG2

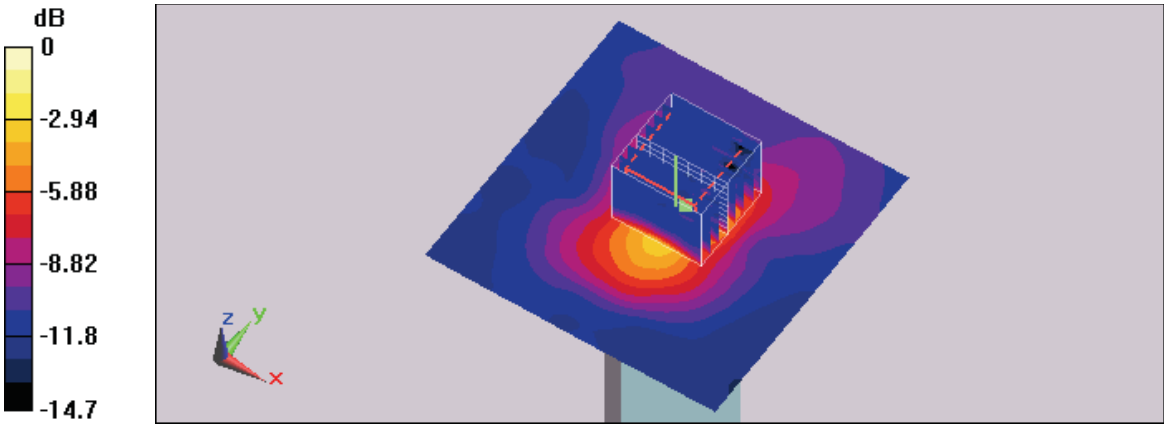
Communication System: IEEE 802.11a; Frequency: 5320 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5320 MHz; σ = 5.55 mho/m; ε_r = 51.4; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Probe: EX3DV4 - SN3552 add; ConvF(4.17, 4.17, 4.17); Calibrated: 3/21/2008
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 11/30/2007
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 119; SEMCAD X Version 13.2 Build 87

Flat/Area Scan (91x91x1):
Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 1.55 mW/g

Flat/Zoom Scan (8x8x10)/Cube 0:
Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 16.6 V/m; Power Drift = -0.026 dB
Peak SAR (extrapolated) = 3.94 W/kg
SAR(1 g) = 0.855 mW/g; SAR(10 g) = 0.344 mW/g
Maximum value of SAR (measured) = 1.6 mW/g



0 dB = 1.6mW/g

Test Laboratory: A TEST LAB TECHNO CORP.

Date/Time: 5/31/2008 9:11:05 AM

Flat_802.11a Freq 5745MHz_Open Angle 90_Tip Close Body_54M

DUT: SMC2536W-AG2_Ant. B; Type: PCMCIA CARD; FCC ID: HEDSMC2536WAG2

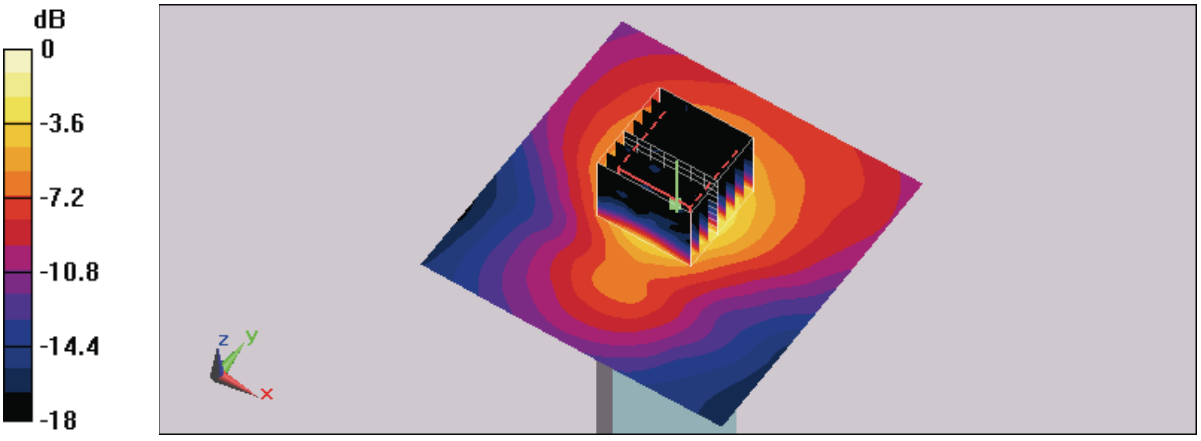
Communication System: IEEE 802.11a; Frequency: 5745 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 5745 MHz; σ = 5.81 mho/m; ε_r = 47.6; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Probe: EX3DV3 - SN3519; ConvF(3.88, 3.88, 3.88); Calibrated: 3/21/2008
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 11/30/2007
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 119; SEMCAD X Version 13.2 Build 87

Flat/Area Scan (91x91x1):
Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 2.16 mW/g

Flat/Zoom Scan (8x8x10)/Cube 0:
Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 20.4 V/m; Power Drift = -0.115 dB
Peak SAR (extrapolated) = 4.99 W/kg
SAR(1 g) = 1.13 mW/g; SAR(10 g) = 0.438 mW/g
Maximum value of SAR (measured) = 2.18 mW/g



0 dB = 2.18mW/g

Test Laboratory: A Test Lab Techno Corp.

Date/Time: 7/23/2008 11:03:10 PMDate/Time: 7/23/2008 11:12:26 PM

Flat_802.11a Freq 5785MHz_Open Angle 90_Tip Close Body_54M

DUT: SMC2536W-AG2_Ant. B; Type: PCMCIA CARD; FCC ID: HEDSMC2536WAG2

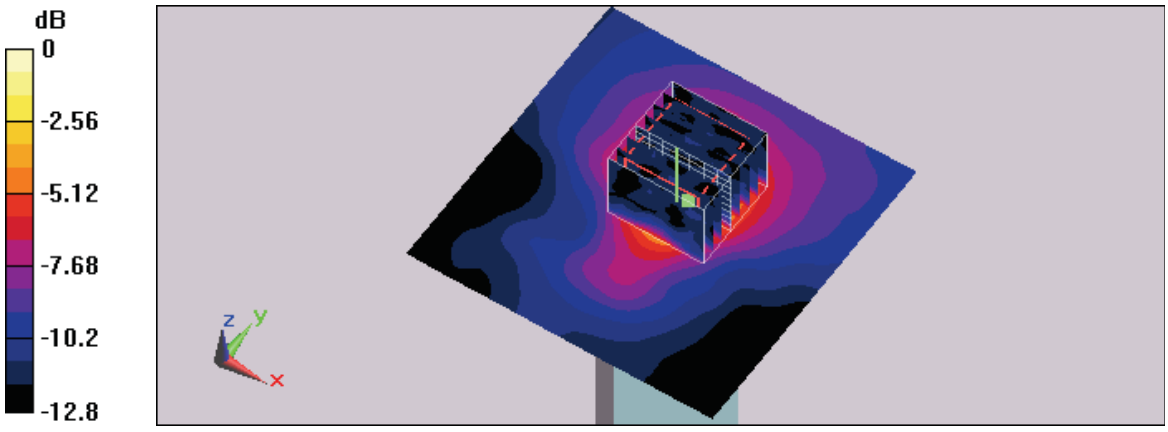
Communication System: IEEE 802.11a; Frequency: 5785 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 5785 MHz; σ = 5.8 mho/m; ε_r = 47.8; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Probe: EX3DV3 - SN3519; ConvF(3.88, 3.88, 3.88); Calibrated: 3/21/2008
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 11/30/2007
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 119; SEMCAD X Version 13.2 Build 87

Flat/Area Scan (91x91x1):
Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.953 mW/g

Flat/Zoom Scan (8x8x10)/Cube 0:
Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 12.4 V/m; Power Drift = -0.018 dB
Peak SAR (extrapolated) = 2.62 W/kg
SAR(1 g) = 0.521 mW/g; SAR(10 g) = 0.215 mW/g
Maximum value of SAR (measured) = 1.03 mW/g



0 dB = 1.03mW/g

Test Laboratory: A TEST LAB TECHNO CORP.

Date/Time: 5/31/2008 10:51:49 AM

Flat_802.11a Freq 5825MHz_Open Angle 90_Tip Close Body_54M

DUT: SMC2536W-AG2_Ant. B; Type: PCMCIA CARD; FCC ID: HEDSMC2536WAG2

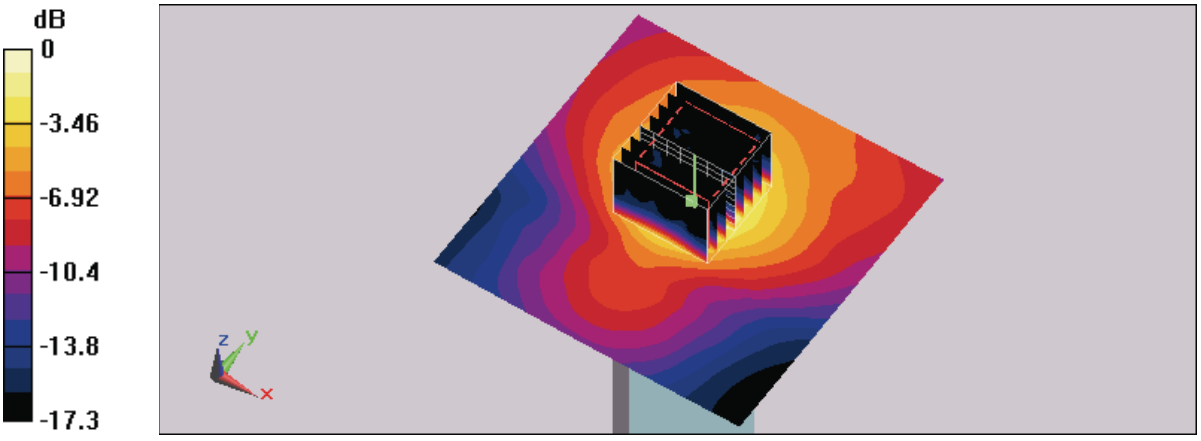
Communication System: IEEE 802.11a; Frequency: 5825 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 5825 MHz; σ = 5.84 mho/m; ε_r = 47.9; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Probe: EX3DV3 - SN3519; ConvF(3.88, 3.88, 3.88); Calibrated: 3/21/2008
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 11/30/2007
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 119; SEMCAD X Version 13.2 Build 87

Flat/Area Scan (91x91x1):
Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 2.17 mW/g

Flat/Zoom Scan (8x8x10)/Cube 0:
Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 20.1 V/m; Power Drift = 0.052 dB
Peak SAR (extrapolated) = 5.02 W/kg
SAR(1 g) = 1.13 mW/g; SAR(10 g) = 0.449 mW/g
Maximum value of SAR (measured) = 2.16 mW/g



0 dB = 2.16mW/g

Test Laboratory: A TEST LAB TECHNO CORP.

Date/Time: 5/30/2008 4:59:14 PM

Flat_802.11a Freq 5180MHz_Open Angle 90_Bottom Close Body_6M

DUT: SMC2536W-AG2_Ant. B; Type: PCMCIA CARD; FCC ID: HEDSMC2536WAG2

Communication System: IEEE 802.11a; Frequency: 5180 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 5180 MHz; σ = 5.25 mho/m; ε_r = 48.6; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

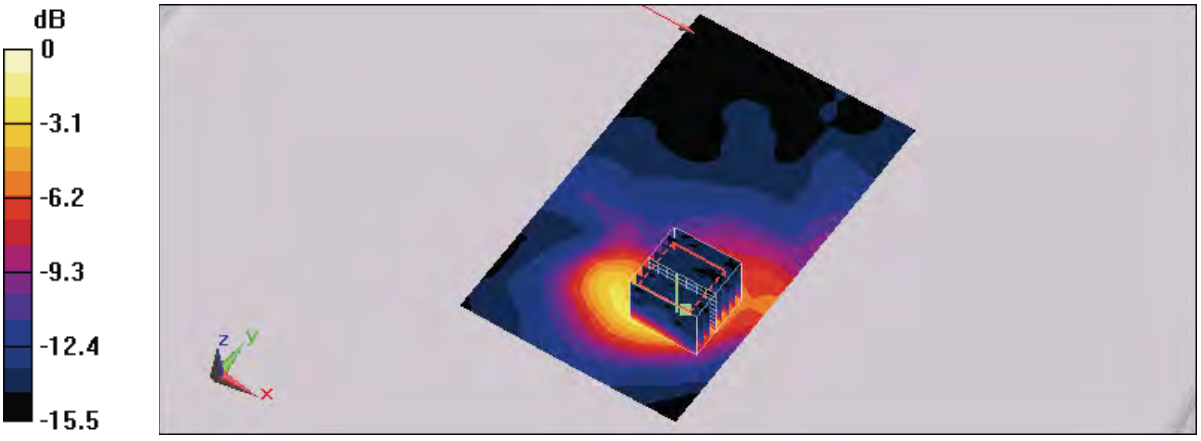
- Probe: EX3DV3 - SN3519; ConvF(4.65, 4.65, 4.65); Calibrated: 3/21/2008
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 11/30/2007
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 119; SEMCAD X Version 13.2 Build 87

Flat/Area Scan (91x151x1):

Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 1.79 mW/g

Flat/Zoom Scan (8x8x10)/Cube 0:

Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 14.7 V/m; Power Drift = -0.060 dB
Peak SAR (extrapolated) = 4.04 W/kg
SAR(1 g) = 0.961 mW/g; SAR(10 g) = 0.364 mW/g
Maximum value of SAR (measured) = 1.78 mW/g



0 dB = 1.78mW/g

Test Laboratory: A Test Lab Techno Corp.

Date/Time: 8/13/2008 11:50:26 PM

Flat_802.11a Freq 5240MHz_Open Angle 90_Bottom Close Body_6M

DUT: SMC2536W-AG2_Ant. B; Type: PCMCIA CARD; FCC ID: HEDSMC2536WAG2

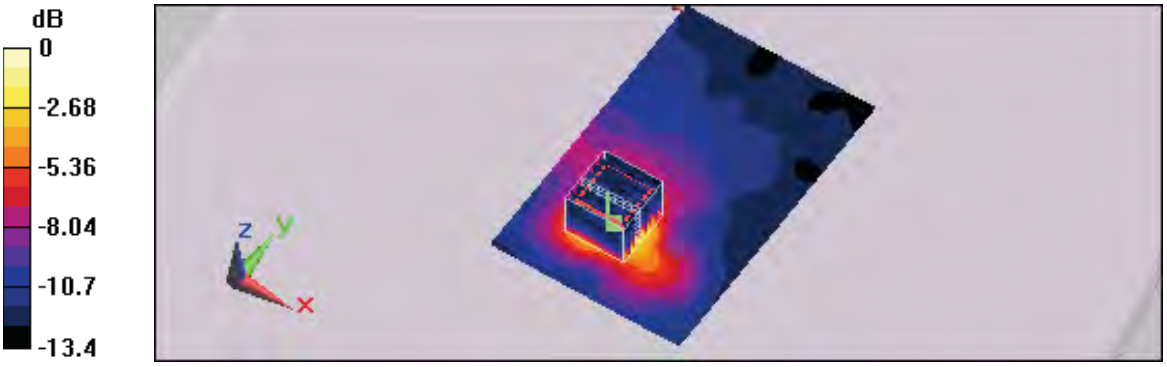
Communication System: IEEE 802.11a; Frequency: 5240 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 5240 MHz; σ = 5.41 mho/m; ε_r = 50; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Probe: EX3DV4 - SN3552 add; ConvF(4.53, 4.53, 4.53); Calibrated: 3/21/2008
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 11/30/2007
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 119; SEMCAD X Version 13.2 Build 87

Flat/Area Scan (91x141x1):
Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 2.17 mW/g

Flat/Zoom Scan (8x8x10)/Cube 0:
Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 15.5 V/m; Power Drift = 0.120 dB
Peak SAR (extrapolated) = 3.99 W/kg
SAR(1 g) = 1.14 mW/g; SAR(10 g) = 0.507 mW/g
Maximum value of SAR (measured) = 1.99 mW/g



0 dB = 1.99mW/g

Test Laboratory: A Test Lab Techno Corp.

Date/Time: 8/14/2008 1:44:23 AM

Flat_802.11a Freq 5260MHz_Open Angle 90_Bottom Close Body_6M

DUT: SMC2536W-AG2_Ant. B; Type: PCMCIA CARD; FCC ID: HEDSMC2536WAG2

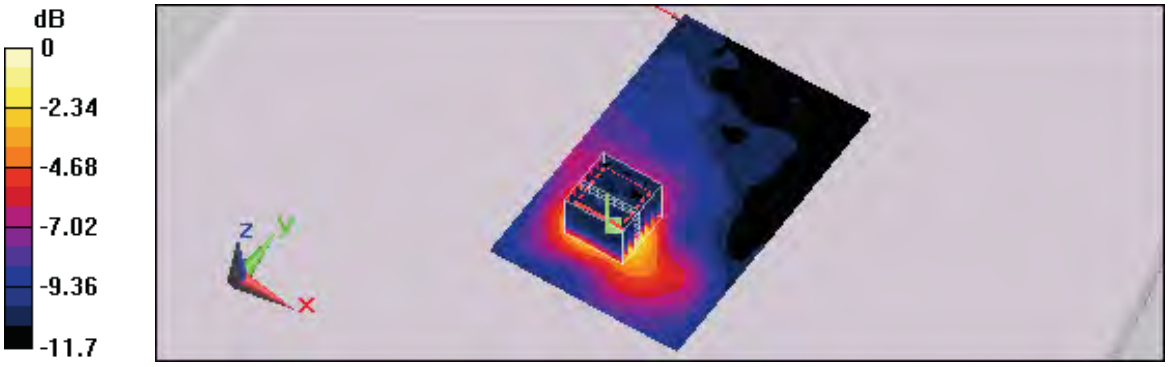
Communication System: IEEE 802.11a; Frequency: 5260 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 5260 MHz; σ = 5.46 mho/m; ε_r = 50.5; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Probe: EX3DV4 - SN3552 add; ConvF(4.17, 4.17, 4.17); Calibrated: 3/21/2008
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 11/30/2007
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 119; SEMCAD X Version 13.2 Build 87

Flat/Area Scan (91x141x1):
Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 1.5 mW/g

Flat/Zoom Scan (8x8x10)/Cube 0:
Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 13.3 V/m; Power Drift = 0.098 dB
Peak SAR (extrapolated) = 3.02 W/kg
SAR(1 g) = 0.878 mW/g; SAR(10 g) = 0.417 mW/g
Maximum value of SAR (measured) = 1.5 mW/g



0 dB = 1.5mW/g

Test Laboratory: A TEST LAB TECHNO CORP.

Date/Time: 6/6/2008 1:51:28 AM

Flat_802.11a Freq 5320MHz_Open Angle 90_Bottom Close Body_6M

DUT: SMC2536W-AG2_Ant. B; Type: PCMCIA CARD; FCC ID: HEDSMC2536WAG2

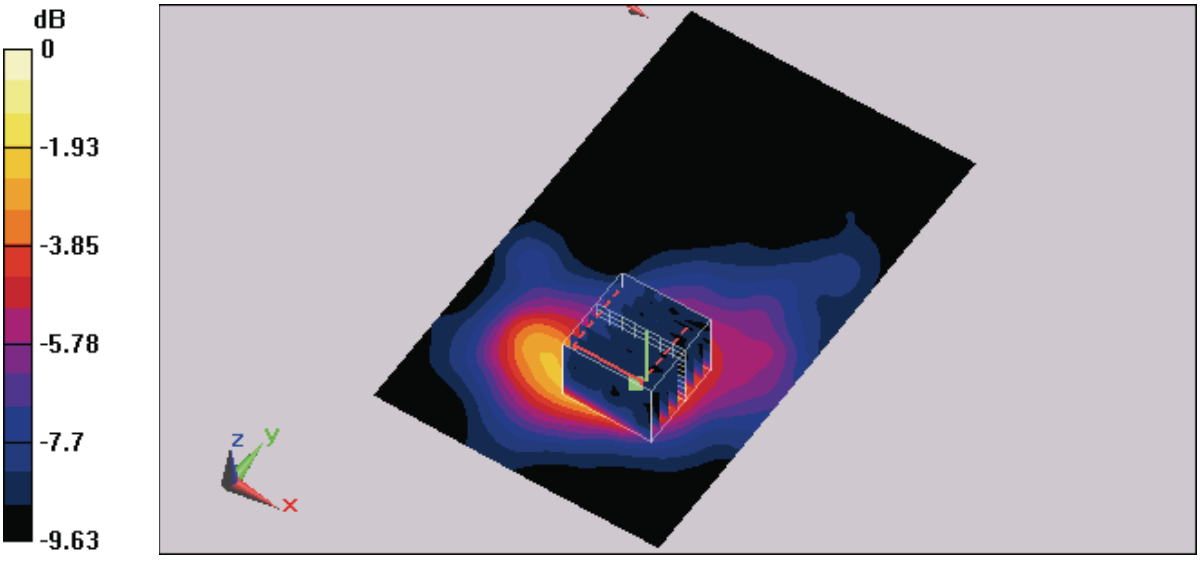
Communication System: IEEE 802.11a; Frequency: 5320 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5320 MHz; σ = 5.55 mho/m; ε_r = 51.4; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Probe: EX3DV4 - SN3552 add; ConvF(4.17, 4.17, 4.17); Calibrated: 3/21/2008
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 11/30/2007
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 119; SEMCAD X Version 13.2 Build 87

Flat/Area Scan (91x151x1):
Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 1.55 mW/g

Flat/Zoom Scan (8x8x10)/Cube 0:
Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 17 V/m; Power Drift = 0.133 dB
Peak SAR (extrapolated) = 3.66 W/kg
SAR(1 g) = 0.923 mW/g; SAR(10 g) = 0.453 mW/g
Maximum value of SAR (measured) = 1.56 mW/g



0 dB = 1.56mW/g

Test Laboratory: A Test Lab Techno Corp.

Date/Time: 8/13/2008 8:23:40 PM

Flat_802.11a Freq 5745MHz_Open Angle 90_Bottom Close Body_6M

DUT: SMC2536W-AG2_Ant. B; Type: PCMCIA CARD; FCC ID: HEDSMC2536WAG2

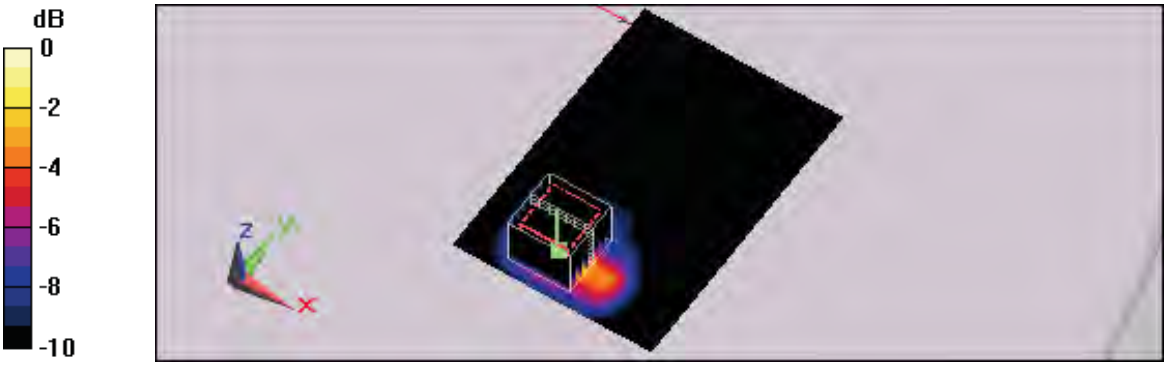
Communication System: IEEE 802.11a; Frequency: 5745 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 5745 MHz; σ = 5.81 mho/m; ε_r = 47.6; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Probe: EX3DV3 - SN3519; ConvF(3.88, 3.88, 3.88); Calibrated: 3/21/2008
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 11/30/2007
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 119; SEMCAD X Version 13.2 Build 87

Flat/Area Scan (91x131x1):
Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 1.94 mW/g

Flat/Zoom Scan (8x8x10)/Cube 0:
Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 14.5 V/m; Power Drift = 0.071 dB
Peak SAR (extrapolated) = 3.78 W/kg
SAR(1 g) = 0.906 mW/g; SAR(10 g) = 0.376 mW/g
Maximum value of SAR (measured) = 1.65 mW/g



0 dB = 1.65mW/g

Test Laboratory: A Test Lab Techno Corp.

Date/Time: 8/13/2008 9:42:58 PM

Flat_802.11a Freq 5785MHz_Open Angle 90_Bottom Close Body_6M

DUT: SMC2536W-AG2_Ant. B; Type: PCMCIA CARD; FCC ID: HEDSMC2536WAG2

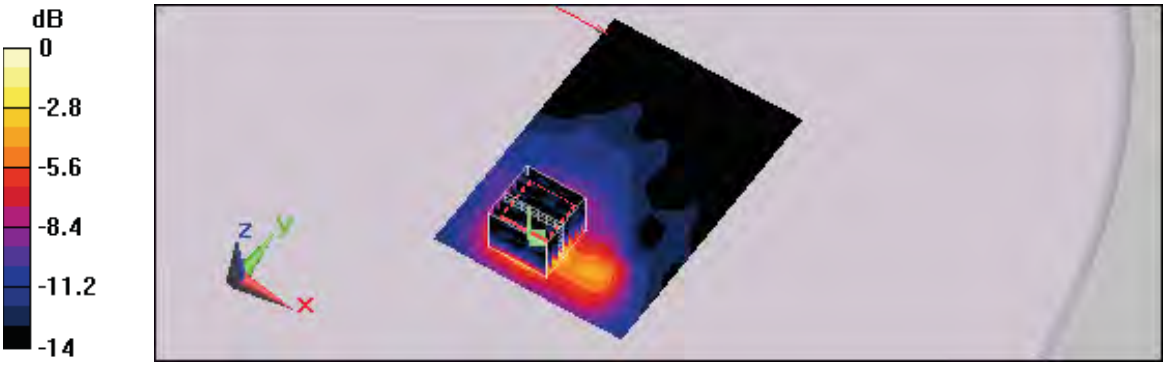
Communication System: IEEE 802.11a; Frequency: 5785 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 5785 MHz; σ = 5.8 mho/m; ε_r = 47.8; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Probe: EX3DV3 - SN3519; ConvF(3.88, 3.88, 3.88); Calibrated: 3/21/2008
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 11/30/2007
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 119; SEMCAD X Version 13.2 Build 87

Flat/Area Scan (91x131x1):
Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 1.45 mW/g

Flat/Zoom Scan (8x8x10)/Cube 0:
Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 12.8 V/m; Power Drift = 0.011 dB
Peak SAR (extrapolated) = 4.27 W/kg
SAR(1 g) = 0.999 mW/g; SAR(10 g) = 0.421 mW/g
Maximum value of SAR (measured) = 1.81 mW/g



0 dB = 1.81mW/g

Test Laboratory: A Test Lab Techno Corp.

Date/Time: 8/13/2008 10:43:44 PM

Flat_802.11a Freq 5825MHz_Open Angle 90_Bottom Close Body_6M

DUT: SMC2536W-AG2_Ant. B; Type: PCMCIA CARD; FCC ID: HEDSMC2536WAG2

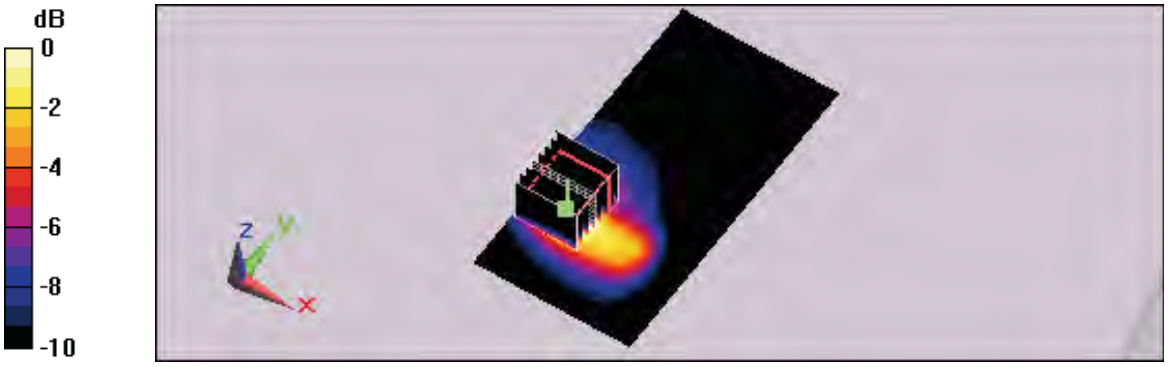
Communication System: IEEE 802.11a; Frequency: 5825 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 5825 MHz; σ = 5.84 mho/m; ε_r = 47.9; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Probe: EX3DV3 - SN3519; ConvF(3.88, 3.88, 3.88); Calibrated: 3/21/2008
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 11/30/2007
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 119; SEMCAD X Version 13.2 Build 87

Flat/Area Scan (71x141x1):
Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 2.38 mW/g

Flat/Zoom Scan (8x8x10)/Cube 0:
Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 12.9 V/m; Power Drift = 0.183 dB
Peak SAR (extrapolated) = 3.63 W/kg
SAR(1 g) = 0.889 mW/g; SAR(10 g) = 0.392 mW/g
Maximum value of SAR (measured) = 1.64 mW/g



0 dB = 1.64mW/g

Test Laboratory: A TEST LAB TECHNO CORP.

Date/Time: 5/31/2008 4:16:27 AM

Flat_802.11a Freq 5180MHz_Open Angle 90_Bottom Close Body_54M

DUT: SMC2536W-AG2_Ant. B; Type: PCMCIA CARD; FCC ID: HEDSMC2536WAG2

Communication System: IEEE 802.11a; Frequency: 5180 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 5180 MHz; σ = 5.25 mho/m; ε_r = 48.6; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

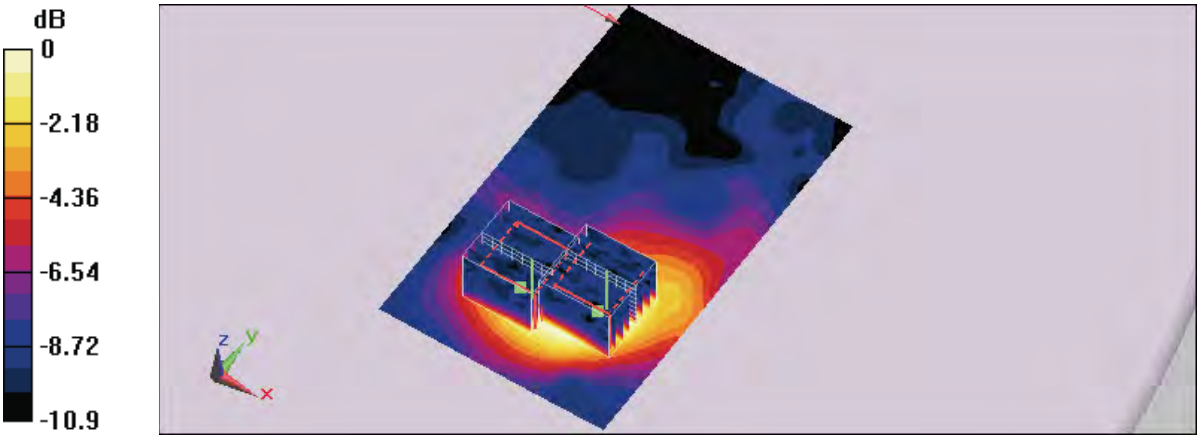
DASY5 Configuration:

- Probe: EX3DV3 - SN3519; ConvF(4.65, 4.65, 4.65); Calibrated: 3/21/2008
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 11/30/2007
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 119; SEMCAD X Version 13.2 Build 87

Flat/Area Scan (91x151x1):
Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.902 mW/g

Flat/Zoom Scan (8x8x10)/Cube 0:
Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 10.8 V/m; Power Drift = 0.025 dB
Peak SAR (extrapolated) = 1.81 W/kg
SAR(1 g) = 0.476 mW/g; SAR(10 g) = 0.214 mW/g
Maximum value of SAR (measured) = 0.852 mW/g

Flat/Zoom Scan (8x8x10)/Cube 1:
Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 10.8 V/m; Power Drift = 0.025 dB
Peak SAR (extrapolated) = 1.43 W/kg
SAR(1 g) = 0.334 mW/g; SAR(10 g) = 0.171 mW/g
Maximum value of SAR (measured) = 0.548 mW/g



0 dB = 0.548mW/g

Test Laboratory: A Test Lab Techno Corp.

Date/Time: 8/14/2008 2:26:02 AM

Flat_802.11a Freq 5240MHz_Open Angle 90_Bottom Close Body_54M

DUT: SMC2536W-AG2_Ant. B; Type: PCMCIA CARD; FCC ID: HEDSMC2536WAG2

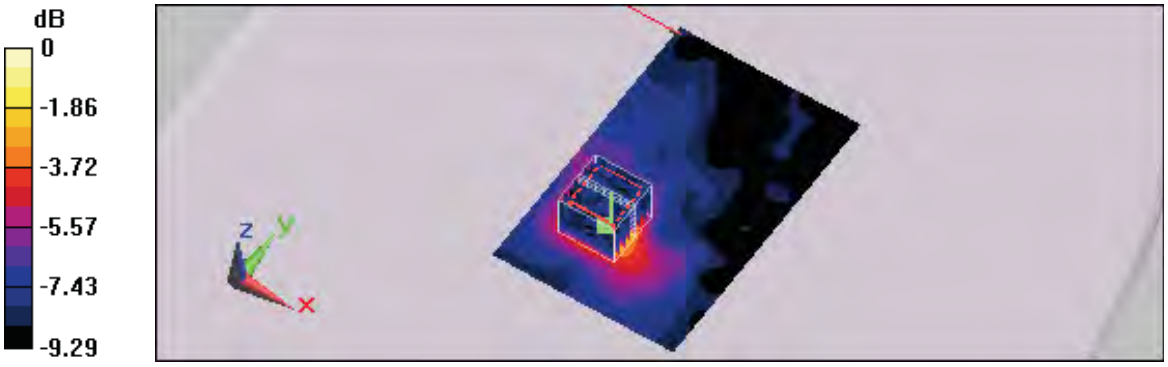
Communication System: IEEE 802.11a; Frequency: 5240 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 5240 MHz; σ = 5.41 mho/m; ε_r = 50; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Probe: EX3DV4 - SN3552 add; ConvF(4.53, 4.53, 4.53); Calibrated: 3/21/2008
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 11/30/2007
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 119; SEMCAD X Version 13.2 Build 87

Flat/Area Scan (91x141x1):
Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.725 mW/g

Flat/Zoom Scan (8x8x10)/Cube 0:
Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 8.39 V/m; Power Drift = 0.140 dB
Peak SAR (extrapolated) = 1.64 W/kg
SAR(1 g) = 0.492 mW/g; SAR(10 g) = 0.262 mW/g
Maximum value of SAR (measured) = 0.808 mW/g



0 dB = 0.808mW/g

Test Laboratory: A Test Lab Techno Corp.

Date/Time: 8/14/2008 3:08:29 AM

Flat_802.11a Freq 5260MHz_Open Angle 90_Bottom Close Body_54M

DUT: SMC2536W-AG2_Ant. B; Type: PCMCIA CARD; FCC ID: HEDSMC2536WAG2

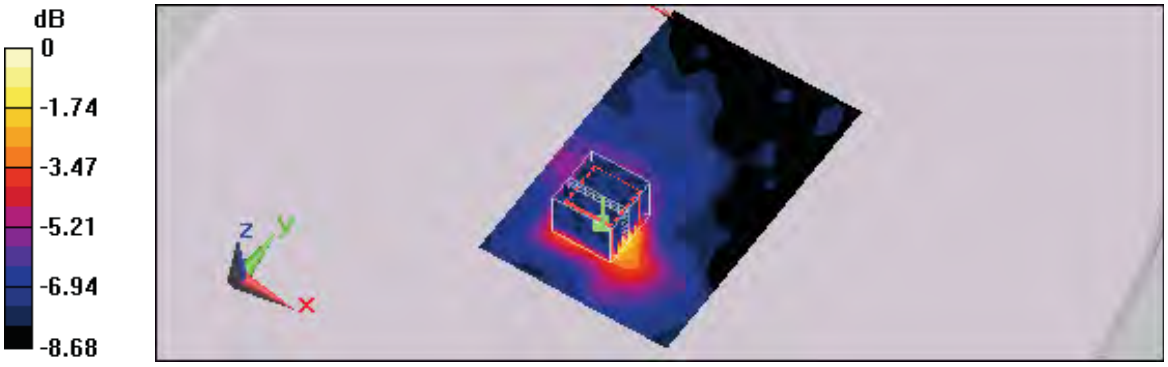
Communication System: IEEE 802.11a; Frequency: 5260 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 5260 MHz; σ = 5.46 mho/m; ε_r = 50.5; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Probe: EX3DV4 - SN3552 add; ConvF(4.17, 4.17, 4.17); Calibrated: 3/21/2008
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 11/30/2007
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 119; SEMCAD X Version 13.2 Build 87

Flat/Area Scan (91x141x1):
Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.746 mW/g

Flat/Zoom Scan (8x8x10)/Cube 0:
Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 10.1 V/m; Power Drift = -0.016 dB
Peak SAR (extrapolated) = 1.64 W/kg
SAR(1 g) = 0.466 mW/g; SAR(10 g) = 0.255 mW/g
Maximum value of SAR (measured) = 0.748 mW/g



0 dB = 0.748mW/g

Test Laboratory: A TEST LAB TECHNO CORP.

Date/Time: 6/6/2008 1:07:12 AM

Flat_802.11a Freq 5320MHz_Open Angle 90_Bottom Close Body_54M

DUT: SMC2536W-AG2_Ant. B; Type: PCMCIA CARD; FCC ID: HEDSMC2536WAG2

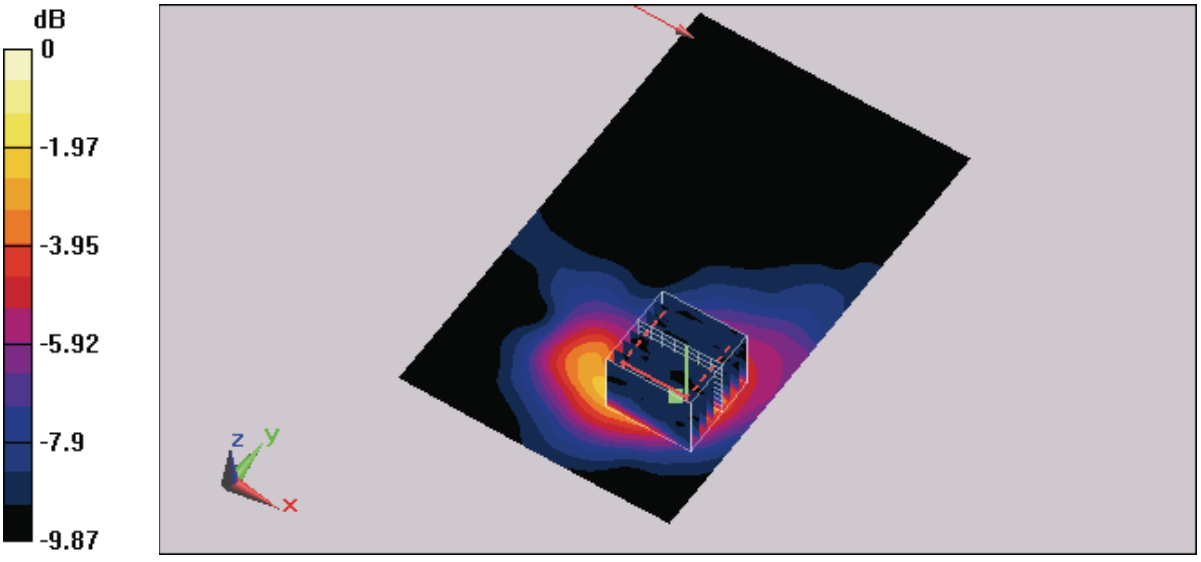
Communication System: IEEE 802.11a; Frequency: 5320 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5320 MHz; σ = 5.55 mho/m; ε_r = 51.4; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Probe: EX3DV4 - SN3552 add; ConvF(4.17, 4.17, 4.17); Calibrated: 3/21/2008
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 11/30/2007
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 119; SEMCAD X Version 13.2 Build 87

Flat/Area Scan (91x151x1):
Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 1.8 mW/g

Flat/Zoom Scan (8x8x10)/Cube 0:
Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 17.1 V/m; Power Drift = 0.096 dB
Peak SAR (extrapolated) = 4.05 W/kg
SAR(1 g) = 1.04 mW/g; SAR(10 g) = 0.489 mW/g
Maximum value of SAR (measured) = 1.79 mW/g



0 dB = 1.79mW/g

Test Laboratory: A Test Lab Techno Corp.

Date/Time: 8/14/2008 4:14:56 AM

Flat_802.11a Freq 5745MHz_Open Angle 90_Bottom Close Body_54M

DUT: SMC2536W-AG2_Ant. B; Type: PCMCIA CARD; FCC ID: HEDSMC2536WAG2

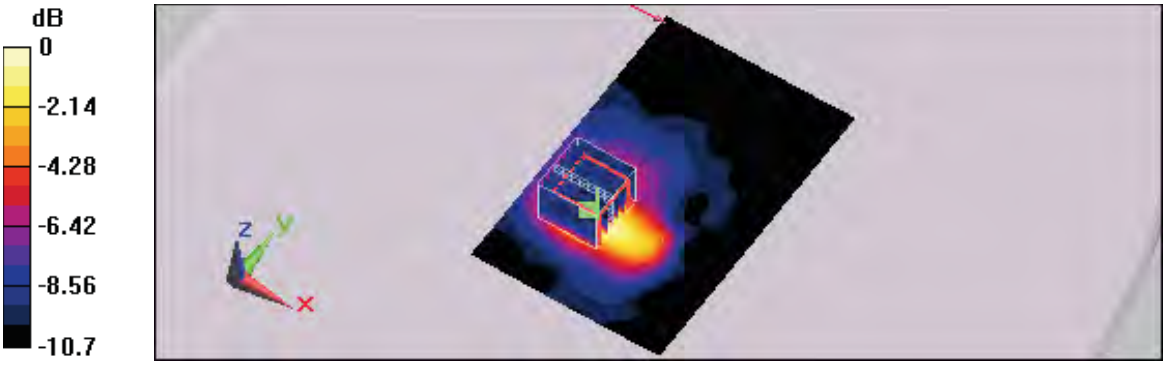
Communication System: IEEE 802.11a; Frequency: 5745 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 5745 MHz; σ = 5.81 mho/m; ε_r = 47.6; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Probe: EX3DV3 - SN3519; ConvF(3.88, 3.88, 3.88); Calibrated: 3/21/2008
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 11/30/2007
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 119; SEMCAD X Version 13.2 Build 87

Flat/Area Scan (91x141x1):
Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 1.31 mW/g

Flat/Zoom Scan (8x8x10)/Cube 0:
Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 7.88 V/m; Power Drift = 0.039 dB
Peak SAR (extrapolated) = 1.88 W/kg
SAR(1 g) = 0.517 mW/g; SAR(10 g) = 0.256 mW/g
Maximum value of SAR (measured) = 0.880 mW/g



0 dB = 0.880mW/g

Test Laboratory: A Test Lab Techno Corp.

Date/Time: 8/14/2008 5:55:48 AM

Flat_802.11a Freq 5785MHz_Open Angle 90_Bottom Close Body_54M

DUT:SMC2536W-AG2_Ant. B; Type: PCMCIA CARD; FCC ID: HDSMC2536WAG2

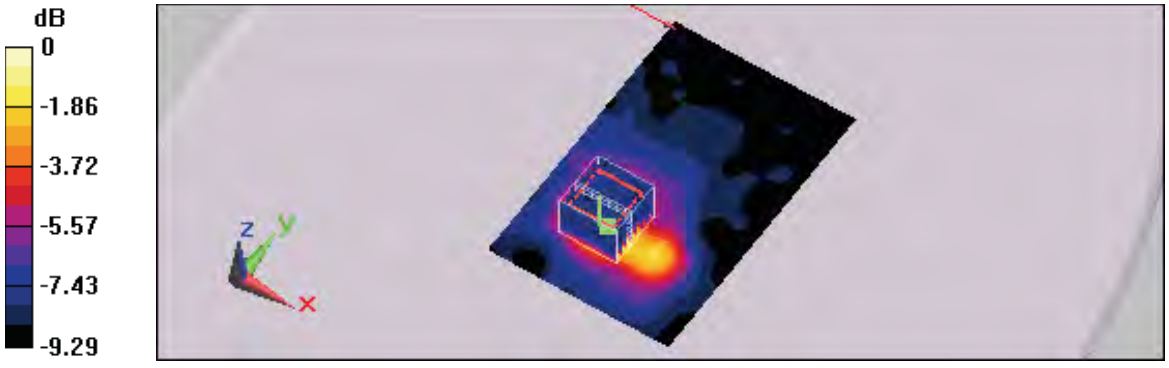
Communication System: IEEE 802.11a; Frequency: 5785 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 5785 MHz; σ = 5.8 mho/m; ε_r = 47.8; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Probe: EX3DV3 - SN3519; ConvF(3.88, 3.88, 3.88); Calibrated: 3/21/2008
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 11/30/2007
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 119; SEMCAD X Version 13.2 Build 87

Flat/Area Scan (91x141x1):
Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.976 mW/g

Flat/Zoom Scan (8x8x10)/Cube 0:
Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 10 V/m; Power Drift = 0.159 dB
Peak SAR (extrapolated) = 1.58 W/kg
SAR(1 g) = 0.416 mW/g; SAR(10 g) = 0.224 mW/g
Maximum value of SAR (measured) = 0.680 mW/g



0 dB = 0.680mW/g

Test Laboratory: A Test Lab Techno Corp.

Date/Time: 8/14/2008 5:14:18 AM

Flat_802.11a Freq 5825MHz_Open Angle 90_Bottom Close Body_54M

DUT: SMC2536W-AG2_Ant. B; Type: PCMCIA CARD; FCC ID: HEDSMC2536WAG2

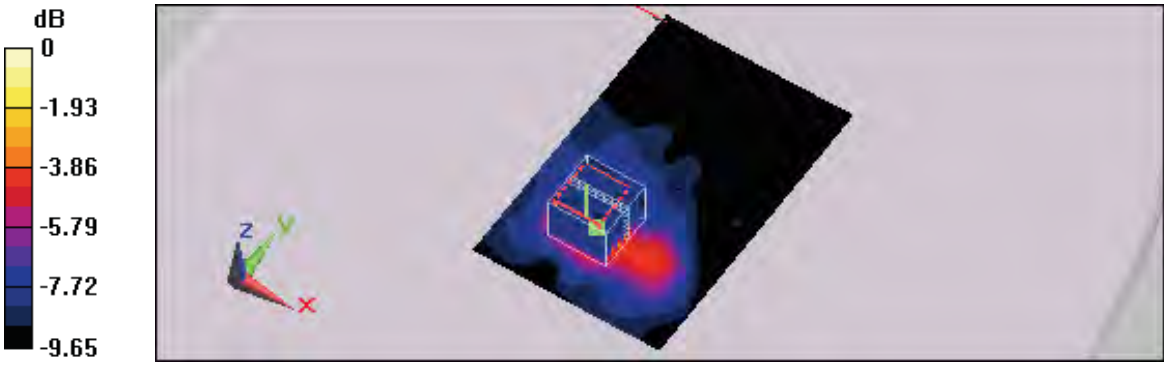
Communication System: IEEE 802.11a; Frequency: 5825 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 5825 MHz; σ = 5.84 mho/m; ε_r = 47.9; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Probe: EX3DV3 - SN3519; ConvF(3.88, 3.88, 3.88); Calibrated: 3/21/2008
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 11/30/2007
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 119; SEMCAD X Version 13.2 Build 87

Flat/Area Scan (91x141x1):
Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.604 mW/g

Flat/Zoom Scan (8x8x10)/Cube 0:
Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 8.92 V/m; Power Drift = -0.015 dB
Peak SAR (extrapolated) = 2.16 W/kg
SAR(1 g) = 0.470 mW/g; SAR(10 g) = 0.244 mW/g
Maximum value of SAR (measured) = 0.769 mW/g



0 dB = 0.769mW/g

Test Laboratory: A TEST LAB TECHNO CORP.

Date/Time: 5/29/2008 11:21:38 AM

Flat_802.11b CH1_Open Angle 90_Tip Close Body_1M

DUT: SMC2536W-AG2_Ant. B; Type: PCMCIA CARD; FCC ID: HEDSMC2536WAG2

Communication System: IEEE 802.11b; Frequency: 2412 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2412 MHz; σ = 1.92 mho/m; ε_r = 52.6; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

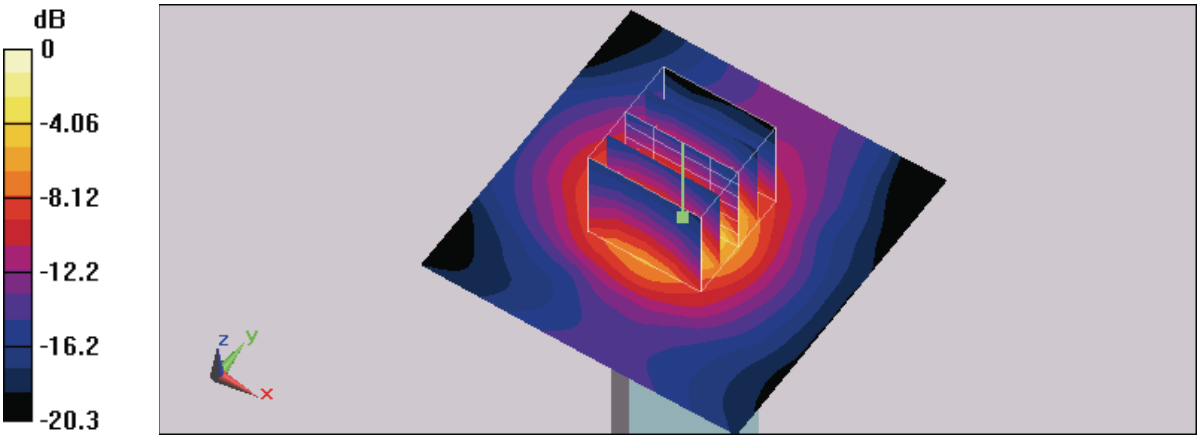
- Probe: ES3DV3 - SN3150; ConvF(4.19, 4.19, 4.19); Calibrated: 1/9/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 11/30/2007
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 119; SEMCAD X Version 13.2 Build 87

Flat/Area Scan (61x61x1):

Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.545 mW/g

Flat/Zoom Scan (5x5x7)/Cube 0:

Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 17.2 V/m; Power Drift = 0.135 dB
Peak SAR (extrapolated) = 1.01 W/kg
SAR(1 g) = 0.497 mW/g; SAR(10 g) = 0.223 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: 5/29/2008 11:47:01 AM

Flat_802.11b CH6_Open Angle 90_Tip Close Body_1M

DUT: SMC2536W-AG2_Ant. B; Type: PCMCIA CARD; FCC ID: HEDSMC2536WAG2

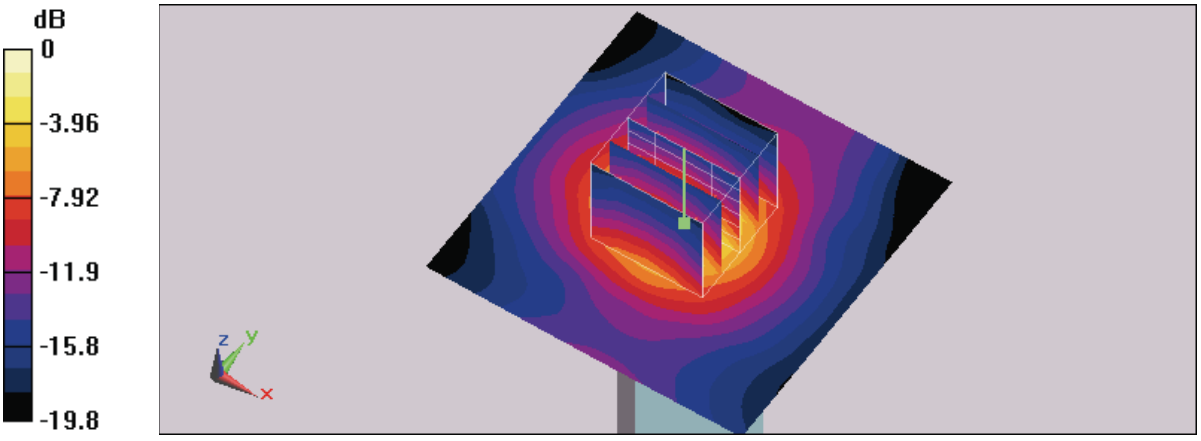
Communication System: IEEE 802.11b; Frequency: 2437 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2437 MHz; σ = 1.95 mho/m; ε_r = 52.4; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Probe: ES3DV3 - SN3150; ConvF(4.19, 4.19, 4.19); Calibrated: 1/9/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 11/30/2007
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 119; SEMCAD X Version 13.2 Build 87

Flat/Area Scan (61x61x1):
Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.429 mW/g

Flat/Zoom Scan (5x5x7)/Cube 0:
Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 15 V/m; Power Drift = 0.045 dB
Peak SAR (extrapolated) = 0.809 W/kg
SAR(1 g) = 0.393 mW/g; SAR(10 g) = 0.178 mW/g
Maximum value of SAR (measured) = 0.439 mW/g



0 dB = 0.439mW/g

Test Laboratory: A TEST LAB TECHNO CORP.

Date/Time: 5/29/2008 12:08:30 PM

Flat_802.11b CH11_Open Angle 90_Tip Close Body_1M

DUT: SMC2536W-AG2_Ant. B; Type: PCMCIA CARD; FCC ID: HEDSMC2536WAG2

Communication System: IEEE 802.11b; Frequency: 2462 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2462 MHz; σ = 1.98 mho/m; ε_r = 52.3; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

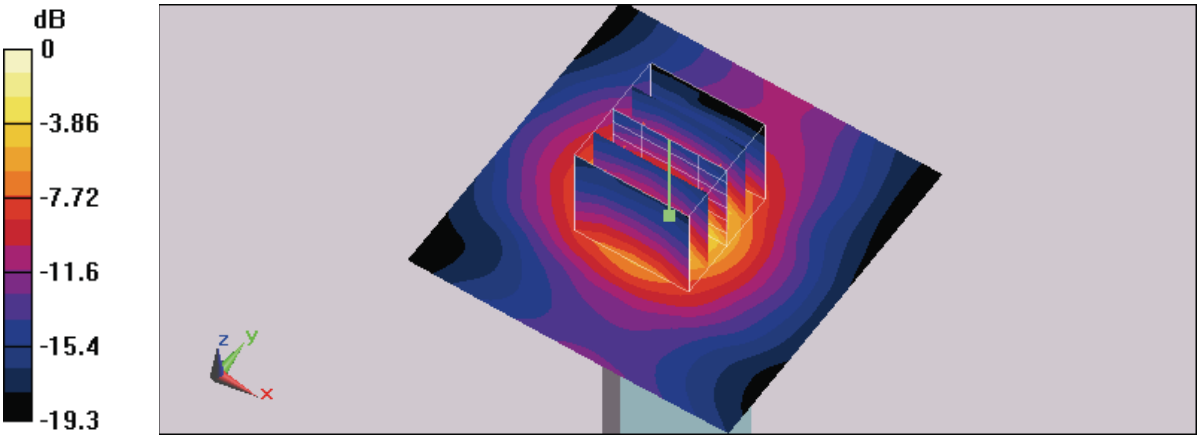
- Probe: ES3DV3 - SN3150; ConvF(4.19, 4.19, 4.19); Calibrated: 1/9/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 11/30/2007
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 119; SEMCAD X Version 13.2 Build 87

Flat/Area Scan (61x61x1):

Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.373 mW/g

Flat/Zoom Scan (5x5x7)/Cube 0:

Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 13.9 V/m; Power Drift = 0.074 dB
Peak SAR (extrapolated) = 0.709 W/kg
SAR(1 g) = 0.340 mW/g; SAR(10 g) = 0.154 mW/g
Maximum value of SAR (measured) = 0.383 mW/g



0 dB = 0.383mW/g

Test Laboratory: A TEST LAB TECHNO CORP.

Date/Time: 5/29/2008 1:24:31 PM

Flat_802.11b CH1_Open Angle 90_Tip Close Body_11M

DUT: SMC2536W-AG2_Ant. B; Type: PCMCIA CARD; FCC ID: HEDSMC2536WAG2

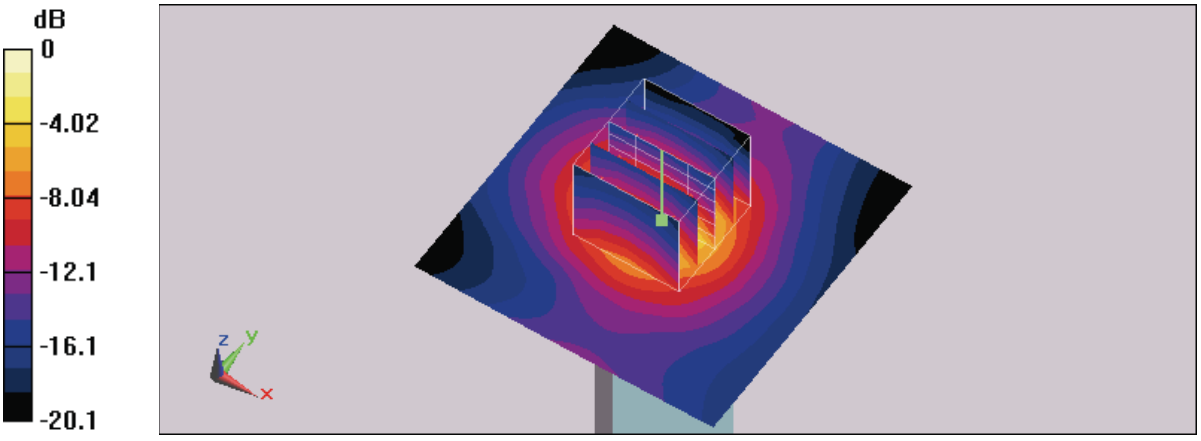
Communication System: IEEE 802.11b; Frequency: 2412 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2412 MHz; σ = 1.92 mho/m; ε_r = 52.6; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Probe: ES3DV3 - SN3150; ConvF(4.19, 4.19, 4.19); Calibrated: 1/9/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 11/30/2007
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 119; SEMCAD X Version 13.2 Build 87

Flat/Area Scan (61x61x1):
Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.639 mW/g

Flat/Zoom Scan (5x5x7)/Cube 0:
Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 18.4 V/m; Power Drift = -0.091 dB
Peak SAR (extrapolated) = 1.27 W/kg
SAR(1 g) = 0.599 mW/g; SAR(10 g) = 0.264 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: 5/29/2008 1:42:40 PM

Flat_802.11b CH6_Open Angle 90_Tip Close Body_11M

DUT: SMC2536W-AG2_Ant. B; Type: PCMCIA CARD; FCC ID: HEDSMC2536WAG2

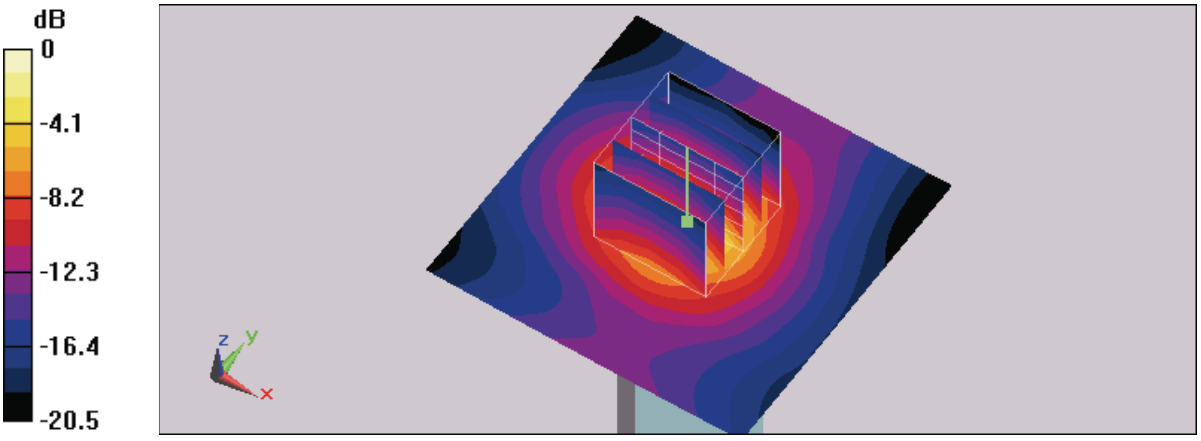
Communication System: IEEE 802.11b; Frequency: 2437 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2437 MHz; σ = 1.95 mho/m; ε_r = 52.4; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Probe: ES3DV3 - SN3150; ConvF(4.19, 4.19, 4.19); Calibrated: 1/9/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 11/30/2007
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 119; SEMCAD X Version 13.2 Build 87

Flat/Area Scan (61x61x1):
Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.577 mW/g

Flat/Zoom Scan (5x5x7)/Cube 0:
Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 17.2 V/m; Power Drift = 0.068 dB
Peak SAR (extrapolated) = 1.16 W/kg
SAR(1 g) = 0.543 mW/g; SAR(10 g) = 0.238 mW/g
Maximum value of SAR (measured) = 0.614 mW/g



0 dB = 0.614mW/g

Test Laboratory: A TEST LAB TECHNO CORP.

Date/Time: 5/29/2008 1:56:24 PM

Flat_802.11b CH11_Open Angle 90_Tip Close Body_11M

DUT: SMC2536W-AG2_Ant. B; Type: PCMCIA CARD; FCC ID: HEDSMC2536WAG2

Communication System: IEEE 802.11b; Frequency: 2462 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2462 MHz; σ = 1.98 mho/m; ε_r = 52.3; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

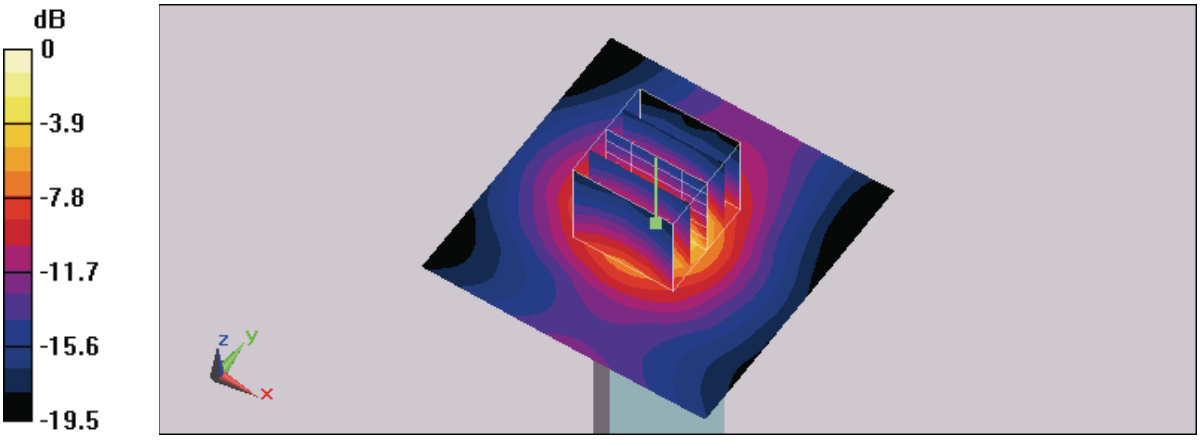
- Probe: ES3DV3 - SN3150; ConvF(4.19, 4.19, 4.19); Calibrated: 1/9/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 11/30/2007
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 119; SEMCAD X Version 13.2 Build 87

Flat/Area Scan (61x61x1):

Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.499 mW/g

Flat/Zoom Scan (5x5x7)/Cube 0:

Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 15.9 V/m; Power Drift = 0.070 dB
Peak SAR (extrapolated) = 1 W/kg
SAR(1 g) = 0.467 mW/g; SAR(10 g) = 0.203 mW/g
Maximum value of SAR (measured) = 0.529 mW/g



0 dB = 0.529mW/g

Test Laboratory: A TEST LAB TECHNO CORP.

Date/Time: 5/29/2008 8:05:41 PM

Flat_802.11b CH1_Open Angle 90_Bottom Close Body_1M

DUT: SMC2536W-AG2_Ant. B; Type: PCMCIA CARD; FCC ID: HEDSMC2536WAG2

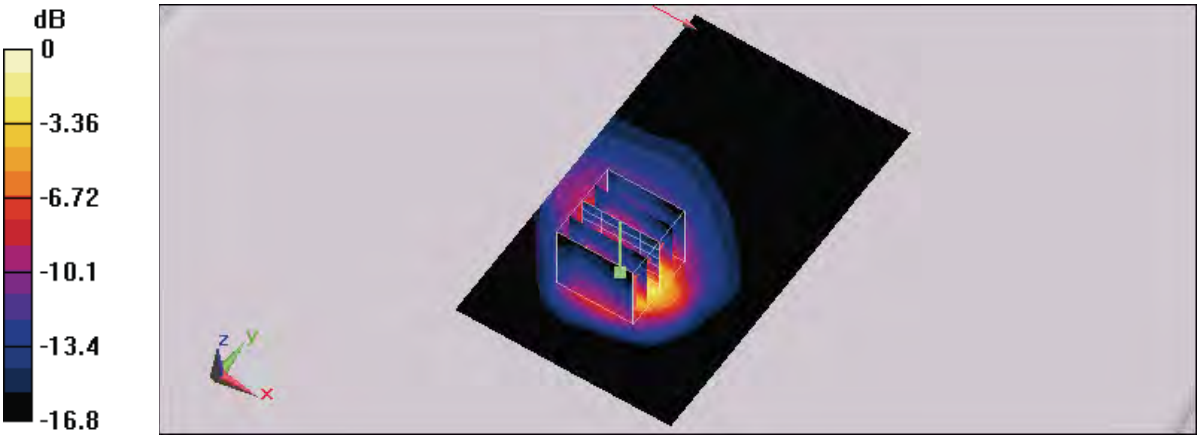
Communication System: IEEE 802.11b; Frequency: 2412 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2412 MHz; σ = 1.92 mho/m; ε_r = 52.6; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Probe: ES3DV3 - SN3150; ConvF(4.19, 4.19, 4.19); Calibrated: 1/9/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 11/30/2007
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 119; SEMCAD X Version 13.2 Build 87

Flat/Area Scan (61x101x1):
Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.1 mW/g

Flat/Zoom Scan (5x5x7)/Cube 0:
Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 21.2 V/m; Power Drift = 0.171 dB
Peak SAR (extrapolated) = 2.23 W/kg
SAR(1 g) = 1.04 mW/g; SAR(10 g) = 0.479 mW/g
Maximum value of SAR (measured) = 1.22 mW/g



0 dB = 1.22mW/g

Test Laboratory: A TEST LAB TECHNO CORP.

Date/Time: 5/29/2008 8:40:52 PM

Flat_802.11b CH6_Open Angle 90_Bottom Close Body_1M

DUT: SMC2536W-AG2_Ant. B; Type: PCMCIA CARD; FCC ID: HEDSMC2536WAG2

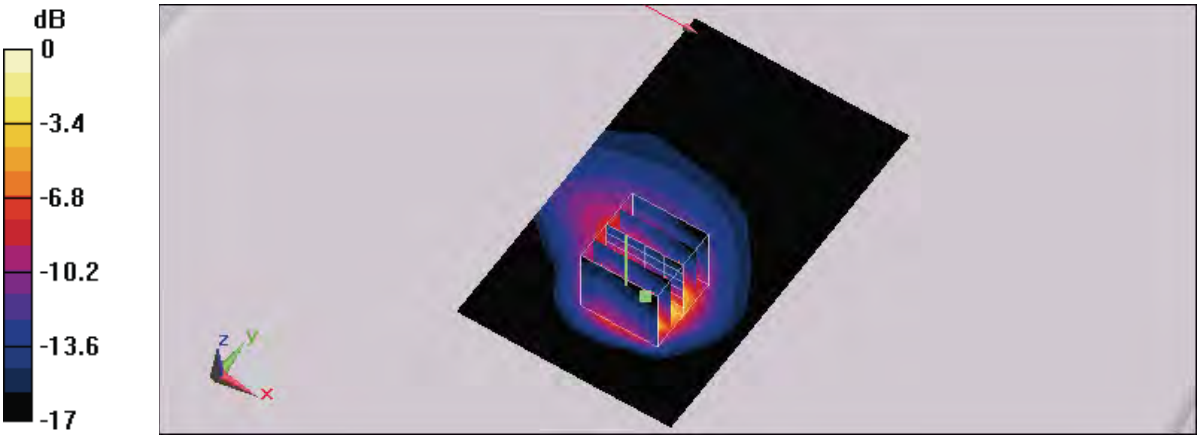
Communication System: IEEE 802.11b; Frequency: 2437 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2437 MHz; σ = 1.95 mho/m; ε_r = 52.4; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Probe: ES3DV3 - SN3150; ConvF(4.19, 4.19, 4.19); Calibrated: 1/9/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 11/30/2007
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 119; SEMCAD X Version 13.2 Build 87

Flat/Area Scan (61x101x1):
Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.39 mW/g

Flat/Zoom Scan (5x5x7)/Cube 0:
Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 24.7 V/m; Power Drift = -0.00552 dB
Peak SAR (extrapolated) = 2.05 W/kg
SAR(1 g) = 0.981 mW/g; SAR(10 g) = 0.458 mW/g
Maximum value of SAR (measured) = 1.15 mW/g



0 dB = 1.15mW/g

Test Laboratory: A TEST LAB TECHNO CORP.

Date/Time: 5/29/2008 9:00:45 PM

Flat_802.11b CH11_Open Angle 90_Bottom Close Body_1M

DUT: SMC2536W-AG2_Ant. B; Type: PCMCIA CARD; FCC ID: HEDSMC2536WAG2

Communication System: IEEE 802.11b; Frequency: 2462 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2462 MHz; σ = 1.98 mho/m; ε_r = 52.3; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

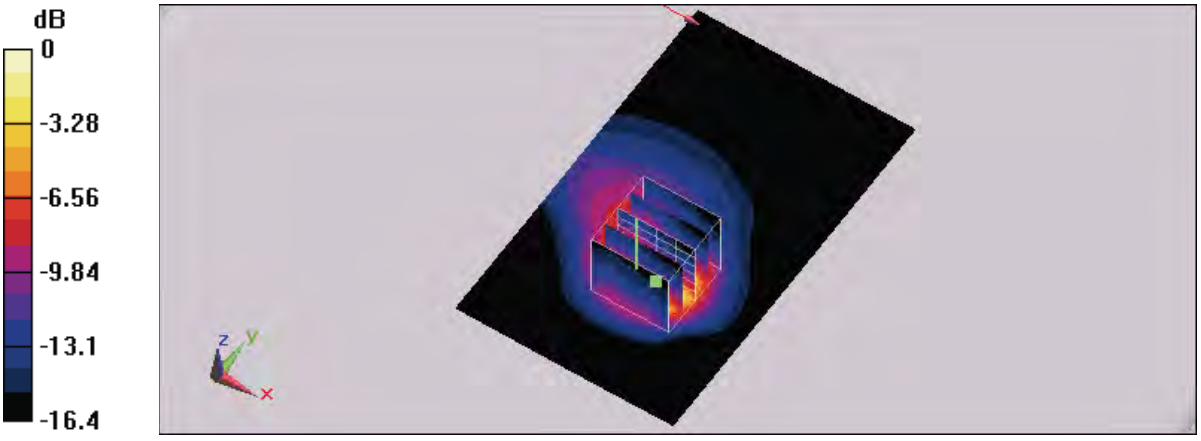
- Probe: ES3DV3 - SN3150; ConvF(4.19, 4.19, 4.19); Calibrated: 1/9/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 11/30/2007
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 119; SEMCAD X Version 13.2 Build 87

Flat/Area Scan (61x101x1):

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

Flat/Zoom Scan (5x5x7)/Cube 0:

Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 17.1 V/m; Power Drift = 0.096 dB
Peak SAR (extrapolated) = 1.66 W/kg
SAR(1 g) = 0.800 mW/g; SAR(10 g) = 0.374 mW/g
Maximum value of SAR (measured) = 0.970 mW/g



0 dB = 0.970mW/g

Test Laboratory: A TEST LAB TECHNO CORP.

Date/Time: 5/29/2008 10:12:35 PM

Flat_802.11b CH1_Open Angle 90_Bottom Close Body_11M

DUT: SMC2536W-AG2_Ant. B; Type: PCMCIA CARD; FCC ID: HEDSMC2536WAG2

Communication System: IEEE 802.11b; Frequency: 2412 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2412 MHz; σ = 1.92 mho/m; ε_r = 52.6; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

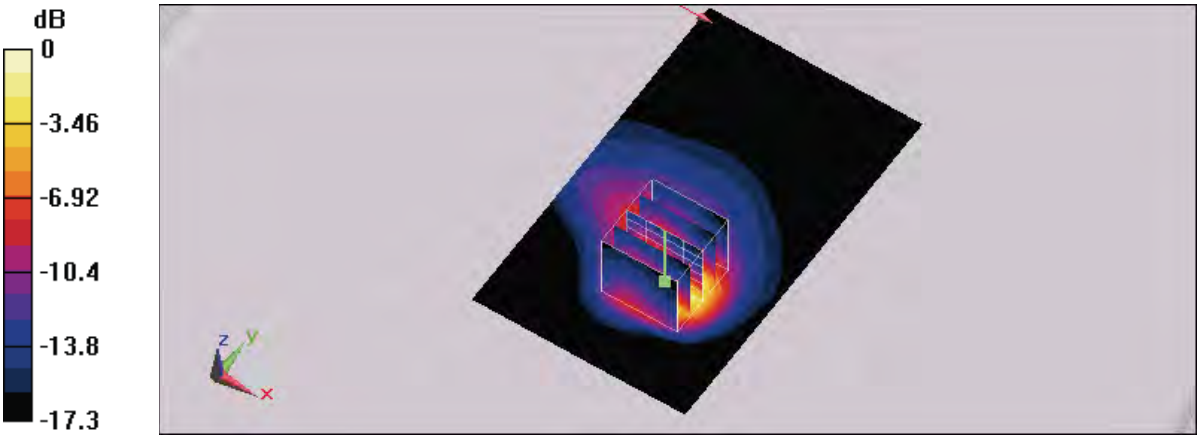
- Probe: ES3DV3 - SN3150; ConvF(4.19, 4.19, 4.19); Calibrated: 1/9/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 11/30/2007
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 119; SEMCAD X Version 13.2 Build 87

Flat/Area Scan (91x151x1):

Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 1.5 mW/g

Flat/Zoom Scan (5x5x7)/Cube 0:

Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 24.5 V/m; Power Drift = -0.105 dB
Peak SAR (extrapolated) = 2.33 W/kg
SAR(1 g) = 1.16 mW/g; SAR(10 g) = 0.535 mW/g
Maximum value of SAR (measured) = 1.28 mW/g



0 dB = 1.28mW/g

Test Laboratory: A TEST LAB TECHNO CORP.

Date/Time: 5/29/2008 9:36:32 PM

Flat_802.11b CH6_Open Angle 90_Bottom Close Body_11M

DUT: SMC2536W-AG2_Ant. B; Type: PCMCIA CARD; FCC ID: HEDSMC2536WAG2

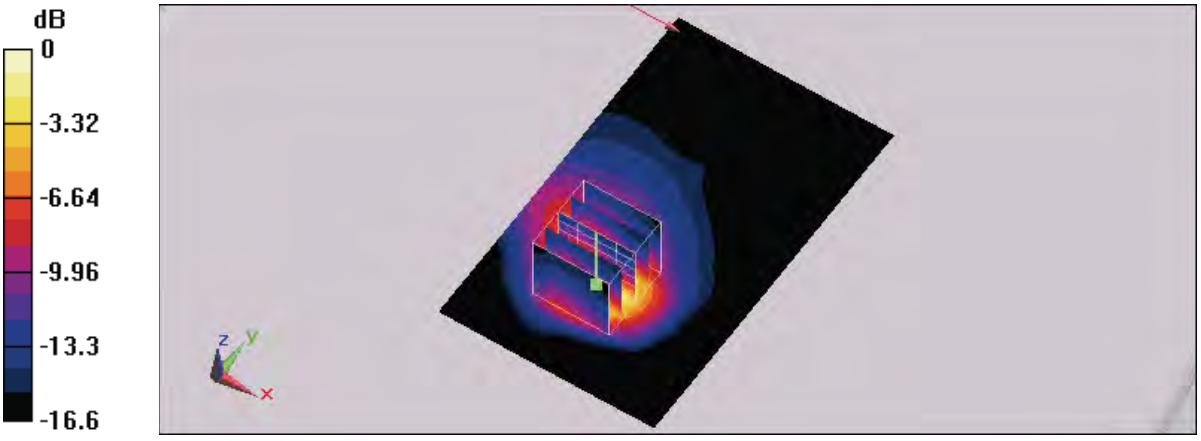
Communication System: IEEE 802.11b; Frequency: 2437 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2437 MHz; σ = 1.95 mho/m; ε_r = 52.4; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Probe: ES3DV3 - SN3150; ConvF(4.19, 4.19, 4.19); Calibrated: 1/9/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 11/30/2007
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 119; SEMCAD X Version 13.2 Build 87

Flat/Area Scan (61x101x1):
Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.1 mW/g

Flat/Zoom Scan (5x5x7)/Cube 0:
Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 19.4 V/m; Power Drift = -0.029 dB
Peak SAR (extrapolated) = 1.75 W/kg
SAR(1 g) = 0.873 mW/g; SAR(10 g) = 0.417 mW/g
Maximum value of SAR (measured) = 0.940 mW/g



0 dB = 0.940mW/g

Test Laboratory: A TEST LAB TECHNO CORP.

Date/Time: 5/29/2008 9:19:01 PM

Flat_802.11b CH11_Open Angle 90_Bottom Close Body_11M

DUT: SMC2536W-AG2_Ant. B; Type: PCMCIA CARD; FCC ID: HEDSMC2536WAG2

Communication System: IEEE 802.11b; Frequency: 2462 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2462 MHz; σ = 1.98 mho/m; ε_r = 52.3; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

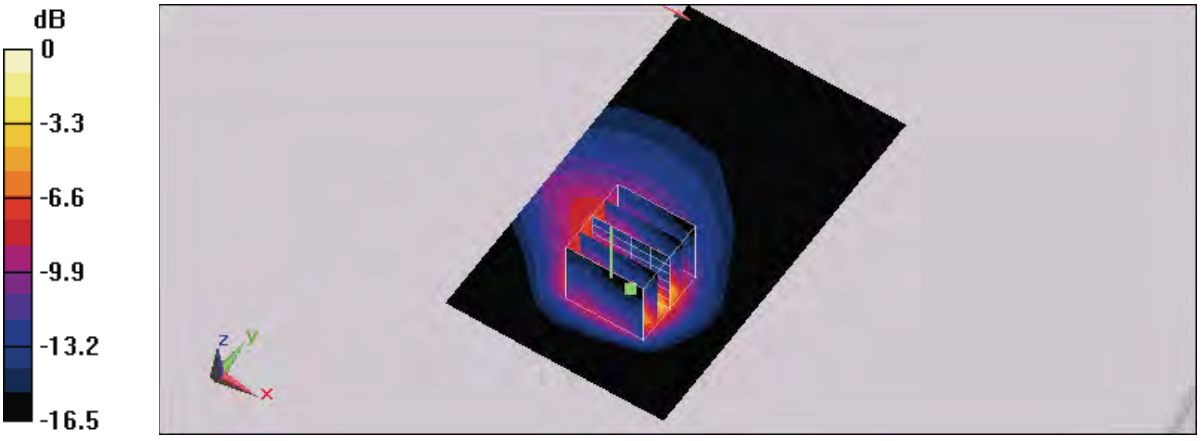
- Probe: ES3DV3 - SN3150; ConvF(4.19, 4.19, 4.19); Calibrated: 1/9/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 11/30/2007
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 119; SEMCAD X Version 13.2 Build 87

Flat/Area Scan (61x101x1):

Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.834 mW/g

Flat/Zoom Scan (5x5x7)/Cube 0:

Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 20.2 V/m; Power Drift = -0.063 dB
Peak SAR (extrapolated) = 1.45 W/kg
SAR(1 g) = 0.708 mW/g; SAR(10 g) = 0.331 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: 5/29/2008 2:23:56 PM

Flat_802.11g CH1_Open Angle 90_Tip Close Body_6M

DUT: SMC2536W-AG2_Ant. B; Type: PCMCIA CARD; FCC ID: HEDSMC2536WAG2

Communication System: IEEE 802.11g; Frequency: 2412 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2412 MHz; σ = 1.92 mho/m; ε_r = 52.6; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

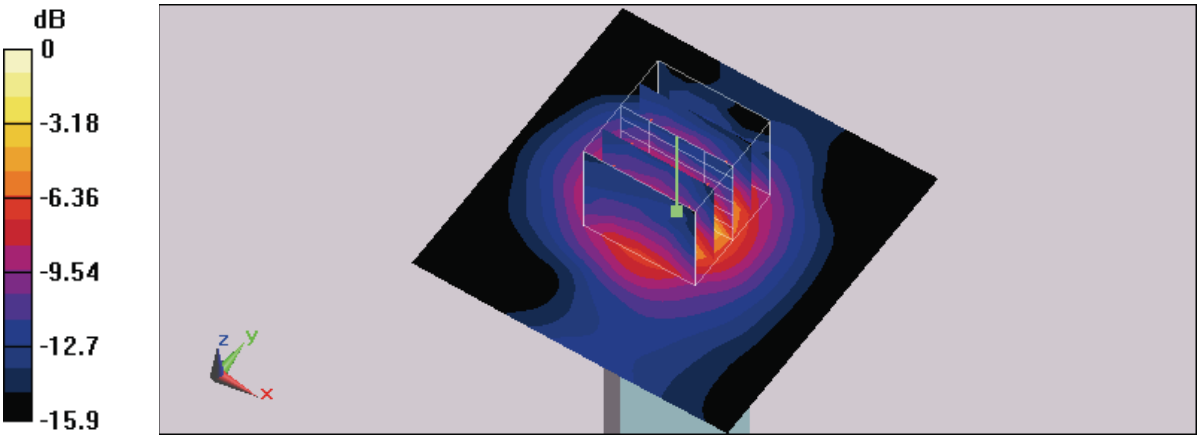
- Probe: ES3DV3 - SN3150; ConvF(4.19, 4.19, 4.19); Calibrated: 1/9/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 11/30/2007
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 119; SEMCAD X Version 13.2 Build 87

Flat/Area Scan (61x61x1):

Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.100 mW/g

Flat/Zoom Scan (5x5x7)/Cube 0:

Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.17 V/m; Power Drift = 0.191 dB
Peak SAR (extrapolated) = 0.209 W/kg
SAR(1 g) = 0.096 mW/g; SAR(10 g) = 0.043 mW/g
Maximum value of SAR (measured) = 0.110 mW/g



0 dB = 0.110mW/g

Test Laboratory: A TEST LAB TECHNO CORP.

Date/Time: 5/29/2008 2:53:05 PM

Flat_802.11g CH6_Open Angle 90_Tip Close Body_6M

DUT: SMC2536W-AG2_Ant. B; Type: PCMCIA CARD; FCC ID: HEDSMC2536WAG2

Communication System: IEEE 802.11g; Frequency: 2437 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2437 MHz; σ = 1.95 mho/m; ε_r = 52.4; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

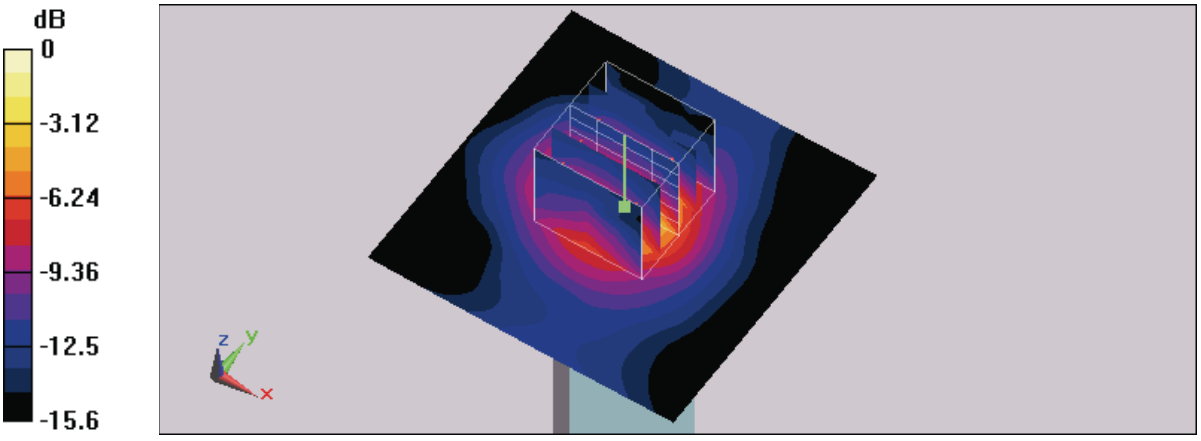
- Probe: ES3DV3 - SN3150; ConvF(4.19, 4.19, 4.19); Calibrated: 1/9/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 11/30/2007
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 119; SEMCAD X Version 13.2 Build 87

Flat/Area Scan (61x61x1):

Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.095 mW/g

Flat/Zoom Scan (5x5x7)/Cube 0:

Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.98 V/m; Power Drift = 0.059 dB
Peak SAR (extrapolated) = 0.194 W/kg
SAR(1 g) = 0.090 mW/g; SAR(10 g) = 0.040 mW/g
Maximum value of SAR (measured) = 0.102 mW/g



0 dB = 0.102mW/g

Test Laboratory: A TEST LAB TECHNO CORP.

Date/Time: 5/29/2008 3:07:31 PM

Flat_802.11g CH11_Open Angle 90_Tip Close Body_6M

DUT: SMC2536W-AG2_Ant. B; Type: PCMCIA CARD; FCC ID: HEDSMC2536WAG2

Communication System: IEEE 802.11g; Frequency: 2462 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2462 MHz; σ = 1.98 mho/m; ε_r = 52.3; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

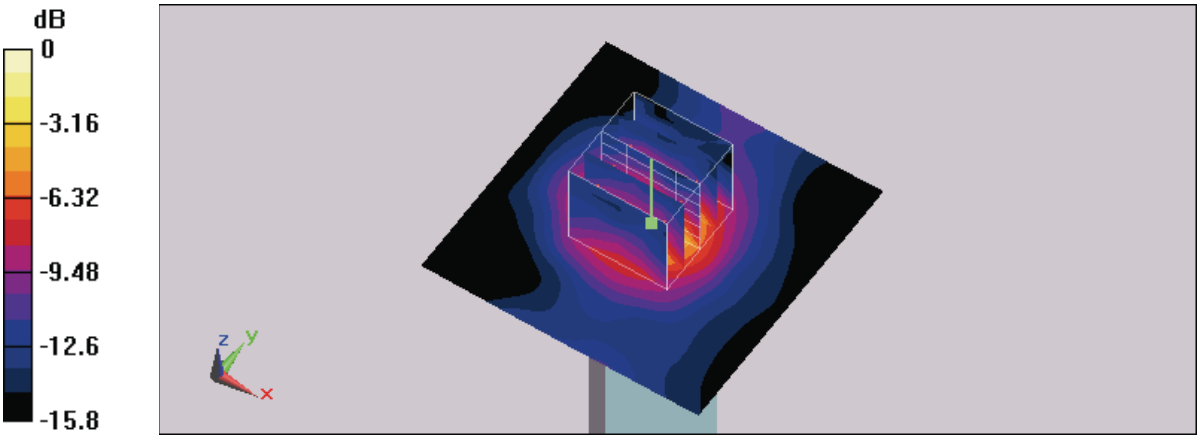
- Probe: ES3DV3 - SN3150; ConvF(4.19, 4.19, 4.19); Calibrated: 1/9/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 11/30/2007
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 119; SEMCAD X Version 13.2 Build 87

Flat/Area Scan (61x61x1):

Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.083 mW/g

Flat/Zoom Scan (5x5x7)/Cube 0:

Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.49 V/m; Power Drift = -0.174 dB
Peak SAR (extrapolated) = 0.183 W/kg
SAR(1 g) = 0.081 mW/g; SAR(10 g) = 0.036 mW/g
Maximum value of SAR (measured) = 0.090 mW/g



0 dB = 0.090mW/g

Test Laboratory: A TEST LAB TECHNO CORP.

Date/Time: 5/29/2008 3:24:08 PM

Flat_802.11g CH1_Open Angle 90_Tip Close Body_54M

DUT: SMC2536W-AG2_Ant. B; Type: PCMCIA CARD; FCC ID: HEDSMC2536WAG2

Communication System: IEEE 802.11g; Frequency: 2412 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2412 MHz; σ = 1.92 mho/m; ε_r = 52.6; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

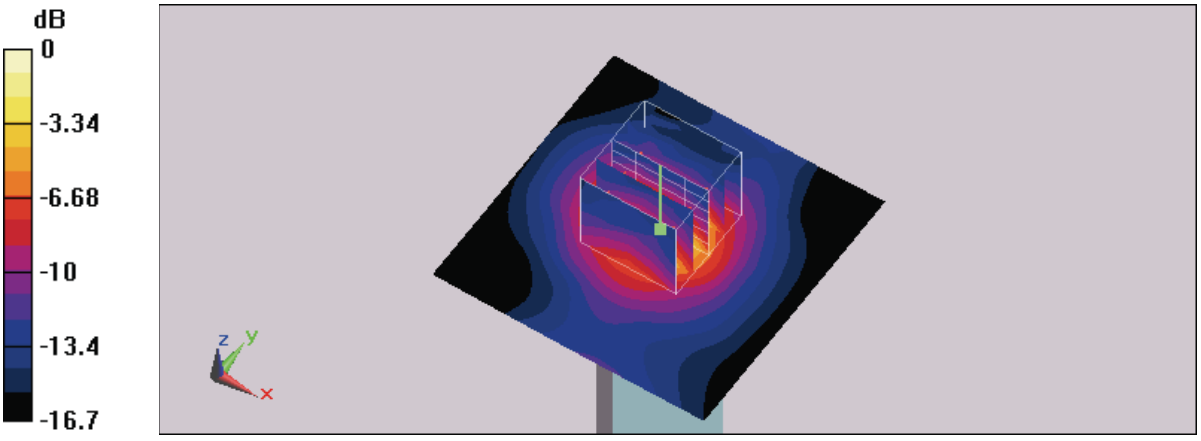
- Probe: ES3DV3 - SN3150; ConvF(4.19, 4.19, 4.19); Calibrated: 1/9/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 11/30/2007
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 119; SEMCAD X Version 13.2 Build 87

Flat/Area Scan (61x61x1):

Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.097 mW/g

Flat/Zoom Scan (5x5x7)/Cube 0:

Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.1 V/m; Power Drift = 0.105 dB
Peak SAR (extrapolated) = 0.200 W/kg
SAR(1 g) = 0.093 mW/g; SAR(10 g) = 0.042 mW/g
Maximum value of SAR (measured) = 0.105 mW/g



0 dB = 0.105mW/g

Test Laboratory: A TEST LAB TECHNO CORP.

Date/Time: 5/29/2008 3:45:24 PM

Flat_802.11g CH6_Open Angle 90_Tip Close Body_54M

DUT: SMC2536W-AG2_Ant. B; Type: PCMCIA CARD; FCC ID: HEDSMC2536WAG2

Communication System: IEEE 802.11g; Frequency: 2437 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2437 MHz; σ = 1.95 mho/m; ε_r = 52.4; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

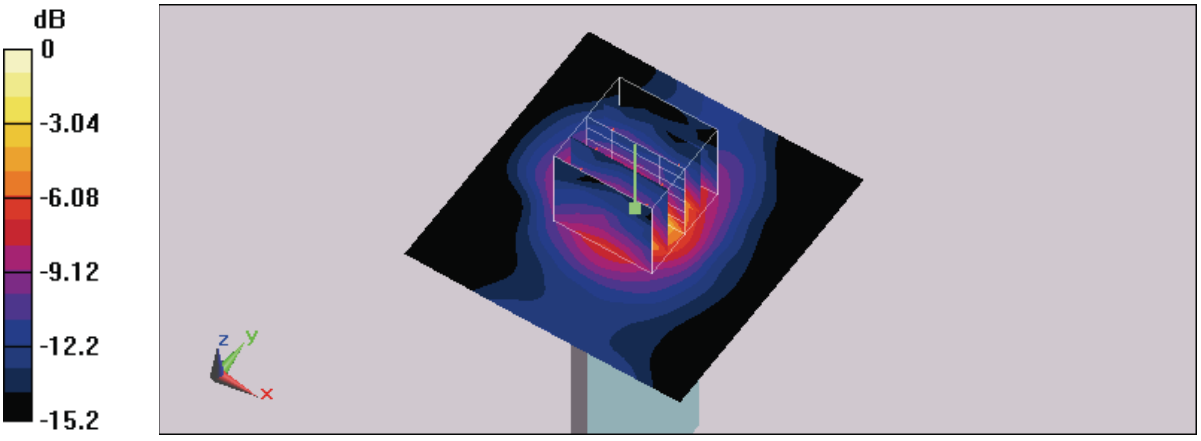
- Probe: ES3DV3 - SN3150; ConvF(4.19, 4.19, 4.19); Calibrated: 1/9/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 11/30/2007
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 119; SEMCAD X Version 13.2 Build 87

Flat/Area Scan (61x61x1):

Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.085 mW/g

Flat/Zoom Scan (5x5x7)/Cube 0:

Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.6 V/m; Power Drift = 0.084 dB
Peak SAR (extrapolated) = 0.177 W/kg
SAR(1 g) = 0.083 mW/g; SAR(10 g) = 0.037 mW/g
Maximum value of SAR (measured) = 0.095 mW/g



0 dB = 0.095mW/g

Test Laboratory: A TEST LAB TECHNO CORP.

Date/Time: 5/29/2008 4:00:16 PM

Flat_802.11g CH11_Open Angle 90_Tip Close Body_54M

DUT: SMC2536W-AG2_Ant. B; Type: PCMCIA CARD; FCC ID: HEDSMC2536WAG2

Communication System: IEEE 802.11g; Frequency: 2462 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2462 MHz; σ = 1.98 mho/m; ε_r = 52.3; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

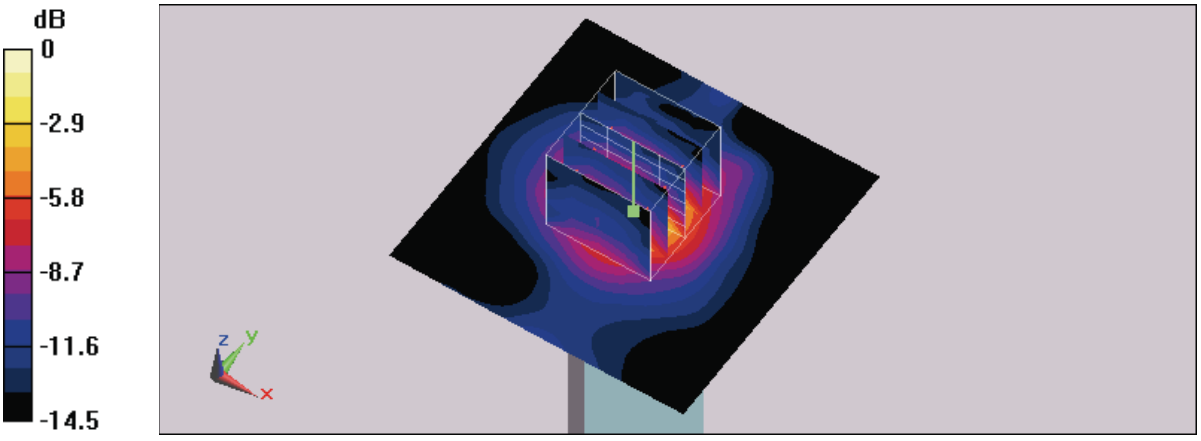
- Probe: ES3DV3 - SN3150; ConvF(4.19, 4.19, 4.19); Calibrated: 1/9/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 11/30/2007
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 119; SEMCAD X Version 13.2 Build 87

Flat/Area Scan (61x61x1):

Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.074 mW/g

Flat/Zoom Scan (5x5x7)/Cube 0:

Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.21 V/m; Power Drift = 0.142 dB
Peak SAR (extrapolated) = 0.160 W/kg
SAR(1 g) = 0.075 mW/g; SAR(10 g) = 0.033 mW/g
Maximum value of SAR (measured) = 0.082 mW/g



0 dB = 0.082mW/g

Test Laboratory: A TEST LAB TECHNO CORP.

Date/Time: 5/29/2008 6:48:28 PM

Flat_802.11g CH1_Open Angle 90_Bottom Close Body_6M

DUT: SMC2536W-AG2_Ant. B; Type: PCMCIA CARD; FCC ID: HEDSMC2536WAG2

Communication System: IEEE 802.11g; Frequency: 2412 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2412 MHz; σ = 1.92 mho/m; ε_r = 52.6; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

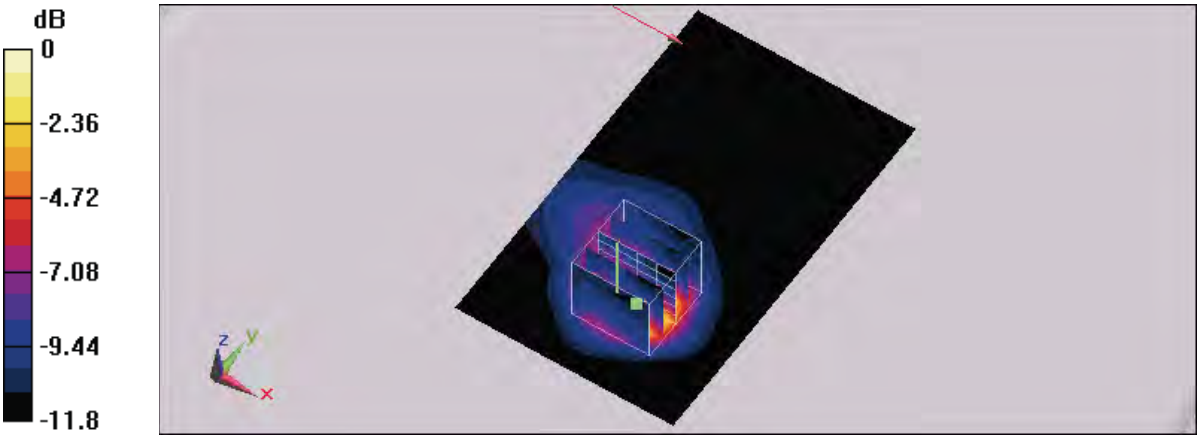
- Probe: ES3DV3 - SN3150; ConvF(4.19, 4.19, 4.19); Calibrated: 1/9/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 11/30/2007
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 119; SEMCAD X Version 13.2 Build 87

Flat/Area Scan (61x101x1):

Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.367 mW/g

Flat/Zoom Scan (5x5x7)/Cube 0:

Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 11 V/m; Power Drift = -0.121 dB
Peak SAR (extrapolated) = 0.460 W/kg
SAR(1 g) = 0.232 mW/g; SAR(10 g) = 0.117 mW/g
Maximum value of SAR (measured) = 0.255 mW/g



0 dB = 0.255mW/g

Test Laboratory: A TEST LAB TECHNO CORP.

Date/Time: 5/29/2008 6:30:25 PM

Flat_802.11g CH6_Open Angle 90_Bottom Close Body_6M

DUT: SMC2536W-AG2_Ant. B; Type: PCMCIA CARD; FCC ID: HEDSMC2536WAG2

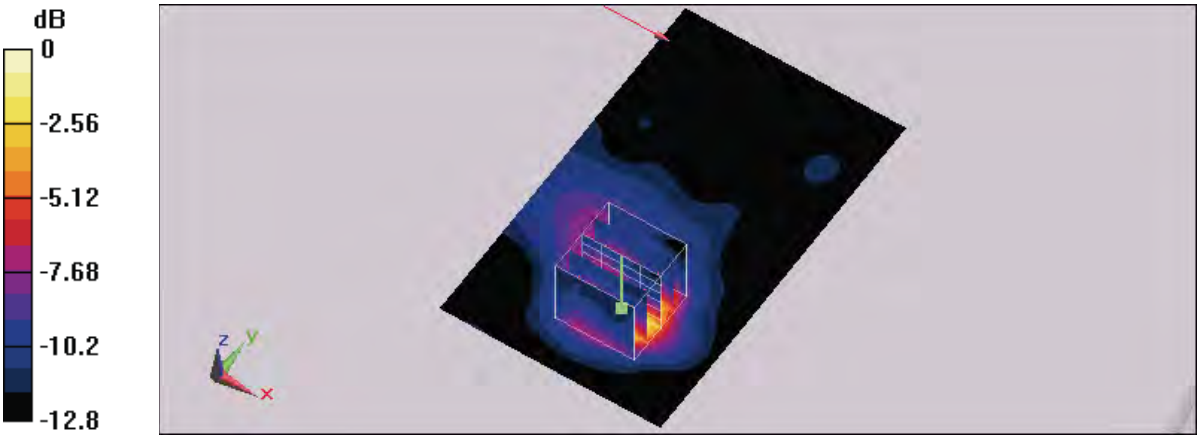
Communication System: IEEE 802.11g; Frequency: 2437 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2437 MHz; σ = 1.95 mho/m; ε_r = 52.4; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Probe: ES3DV3 - SN3150; ConvF(4.19, 4.19, 4.19); Calibrated: 1/9/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 11/30/2007
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 119; SEMCAD X Version 13.2 Build 87

Flat/Area Scan (61x101x1):
Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.361 mW/g

Flat/Zoom Scan (5x5x7)/Cube 0:
Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 11.3 V/m; Power Drift = -0.034 dB
Peak SAR (extrapolated) = 0.498 W/kg
SAR(1 g) = 0.240 mW/g; SAR(10 g) = 0.117 mW/g
Maximum value of SAR (measured) = 0.256 mW/g



0 dB = 0.256mW/g

Test Laboratory: A TEST LAB TECHNO CORP.

Date/Time: 5/29/2008 6:03:09 PM

Flat_802.11g CH11_Open Angle 90_Bottom Close Body_6M

DUT: SMC2536W-AG2_Ant. B; Type: PCMCIA CARD; FCC ID: HEDSMC2536WAG2

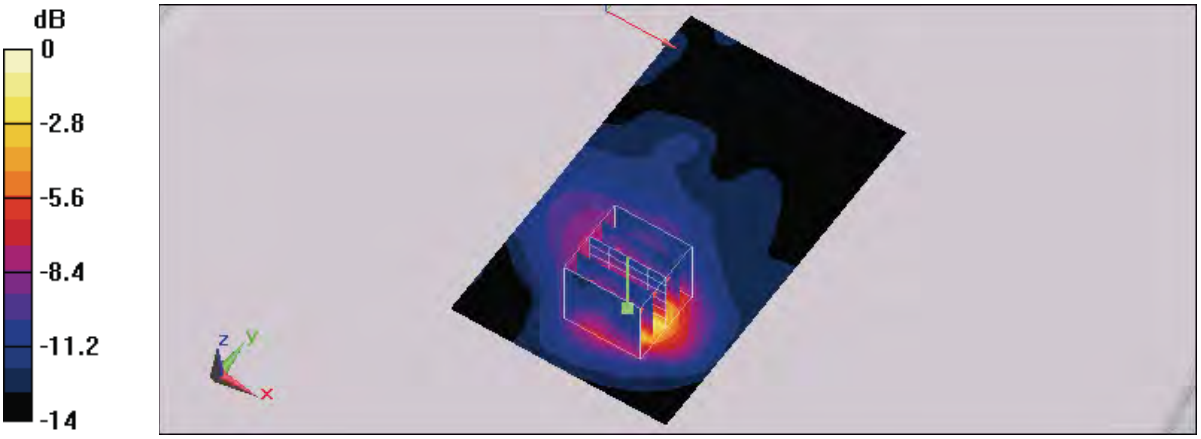
Communication System: IEEE 802.11g; Frequency: 2462 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2462 MHz; σ = 1.98 mho/m; ε_r = 52.3; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Probe: ES3DV3 - SN3150; ConvF(4.19, 4.19, 4.19); Calibrated: 1/9/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 11/30/2007
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 119; SEMCAD X Version 13.2 Build 87

Flat/Area Scan (61x101x1):
Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.282 mW/g

Flat/Zoom Scan (5x5x7)/Cube 0:
Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.3 V/m; Power Drift = -0.146 dB
Peak SAR (extrapolated) = 0.487 W/kg
SAR(1 g) = 0.220 mW/g; SAR(10 g) = 0.104 mW/g
Maximum value of SAR (measured) = 0.259 mW/g



0 dB = 0.259mW/g

Test Laboratory: A TEST LAB TECHNO CORP.

Date/Time: 5/29/2008 7:06:27 PM

Flat_802.11g CH1_Open Angle 90_Bottom Close Body_54M

DUT: SMC2536W-AG2_Ant. B; Type: PCMCIA CARD; FCC ID: HEDSMC2536WAG2

Communication System: IEEE 802.11g; Frequency: 2412 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2412 MHz; σ = 1.92 mho/m; ε_r = 52.6; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

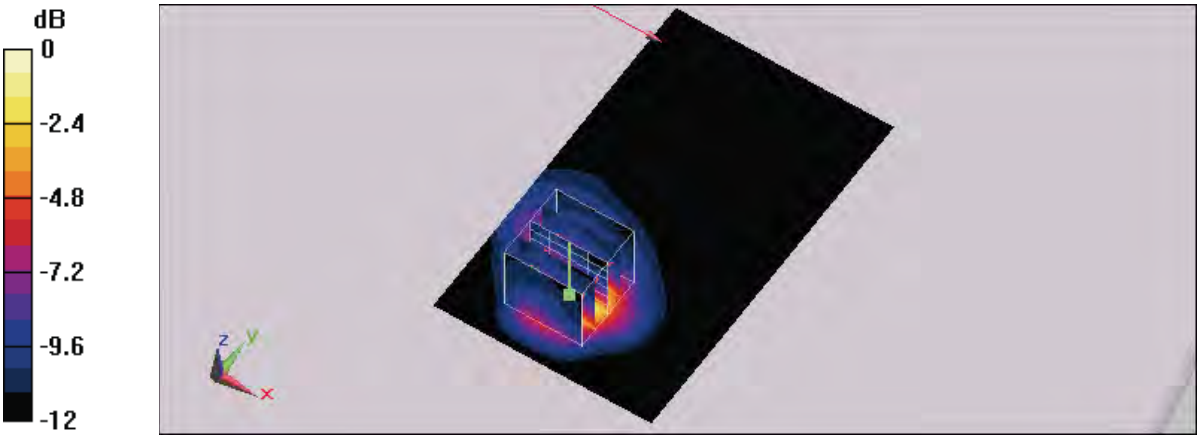
- Probe: ES3DV3 - SN3150; ConvF(4.19, 4.19, 4.19); Calibrated: 1/9/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 11/30/2007
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 119; SEMCAD X Version 13.2 Build 87

Flat/Area Scan (61x101x1):

Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.305 mW/g

Flat/Zoom Scan (5x5x7)/Cube 0:

Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.6 V/m; Power Drift = -0.050 dB
Peak SAR (extrapolated) = 0.508 W/kg
SAR(1 g) = 0.253 mW/g; SAR(10 g) = 0.123 mW/g
Maximum value of SAR (measured) = 0.292 mW/g



0 dB = 0.292mW/g

Test Laboratory: A TEST LAB TECHNO CORP.

Date/Time: 5/29/2008 7:24:37 PM

Flat_802.11g CH6_Open Angle 90_Bottom Close Body_54M

DUT: SMC2536W-AG2_Ant. B; Type: PCMCIA CARD; FCC ID: HEDSMC2536WAG2

Communication System: IEEE 802.11g; Frequency: 2437 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2437 MHz; σ = 1.95 mho/m; ε_r = 52.4; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

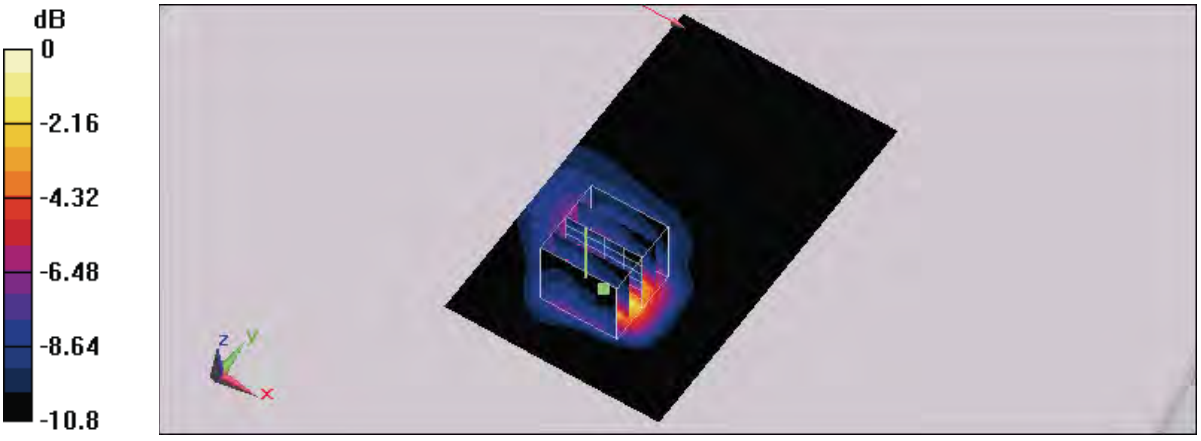
- Probe: ES3DV3 - SN3150; ConvF(4.19, 4.19, 4.19); Calibrated: 1/9/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 11/30/2007
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 119; SEMCAD X Version 13.2 Build 87

Flat/Area Scan (61x101x1):

Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.249 mW/g

Flat/Zoom Scan (5x5x7)/Cube 0:

Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.6 V/m; Power Drift = -0.110 dB
Peak SAR (extrapolated) = 0.462 W/kg
SAR(1 g) = 0.222 mW/g; SAR(10 g) = 0.114 mW/g
Maximum value of SAR (measured) = 0.230 mW/g



0 dB = 0.230mW/g

Test Laboratory: A TEST LAB TECHNO CORP.

Date/Time: 5/29/2008 7:42:00 PM

Flat_802.11g CH11_Open Angle 90_Bottom Close Body_54M

DUT: SMC2536W-AG2_Ant. B; Type: PCMCIA CARD; FCC ID: HEDSMC2536WAG2

Communication System: IEEE 802.11g; Frequency: 2462 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2462 MHz; σ = 1.98 mho/m; ε_r = 52.3; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

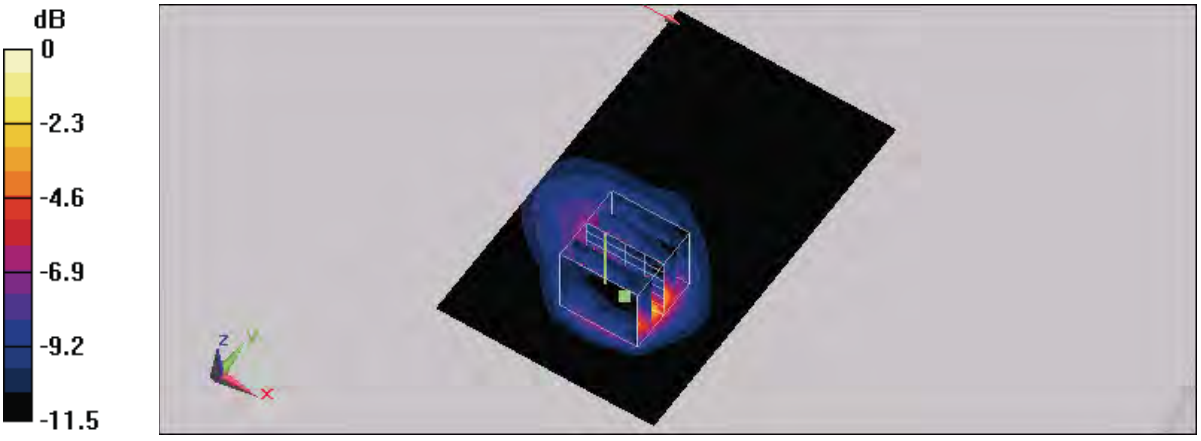
- Probe: ES3DV3 - SN3150; ConvF(4.19, 4.19, 4.19); Calibrated: 1/9/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 11/30/2007
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 119; SEMCAD X Version 13.2 Build 87

Flat/Area Scan (61x101x1):

Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.327 mW/g

Flat/Zoom Scan (5x5x7)/Cube 0:

Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12 V/m; Power Drift = -0.090 dB
Peak SAR (extrapolated) = 0.465 W/kg
SAR(1 g) = 0.224 mW/g; SAR(10 g) = 0.113 mW/g
Maximum value of SAR (measured) = 0.256 mW/g



0 dB = 0.256mW/g

Test Laboratory: A Test Lab Techno Corp.

Date/Time: 8/14/2008 9:13:23 AM

Flat_802.11a Freq 5180MHz_Open Angle 90_Tip Close Body_6M

DUT: SMC2536W-AG2_Ant. A; Type: PCMCIA CARD; FCC ID: HEDSMC2536WAG2

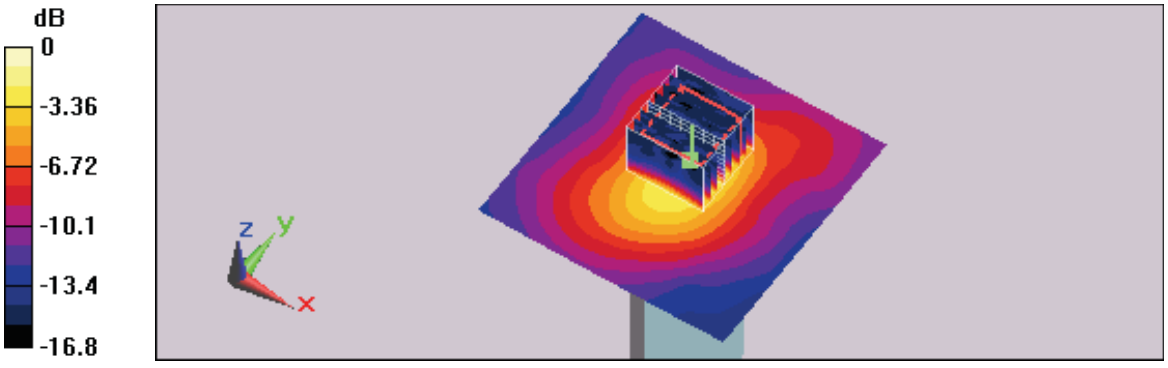
Communication System: IEEE 802.11a; Frequency: 5180 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 5180 MHz; σ = 5.25 mho/m; ε_r = 48.6; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Probe: EX3DV4 - SN3552 add; ConvF(4.53, 4.53, 4.53); Calibrated: 3/21/2008
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 11/30/2007
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 119; SEMCAD X Version 13.2 Build 87

Flat/Area Scan (91x91x1):
Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 2.06 mW/g

Flat/Zoom Scan (8x8x10)/Cube 0:
Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 19.2 V/m; Power Drift = 0.077 dB
Peak SAR (extrapolated) = 4.19 W/kg
SAR(1 g) = 1.12 mW/g; SAR(10 g) = 0.451 mW/g
Maximum value of SAR (measured) = 2.05 mW/g



0 dB = 2.05mW/g

Test Laboratory: A Test Lab Techno Corp.

Date/Time: 8/14/2008 10:57:40 AM

Flat_802.11a Freq 5240MHz_Open Angle 90_Tip Close Body_6M

DUT: SMC2536W-AG2_Ant. A; Type: PCMCIA CARD; FCC ID: HEDSMC2536WAG2

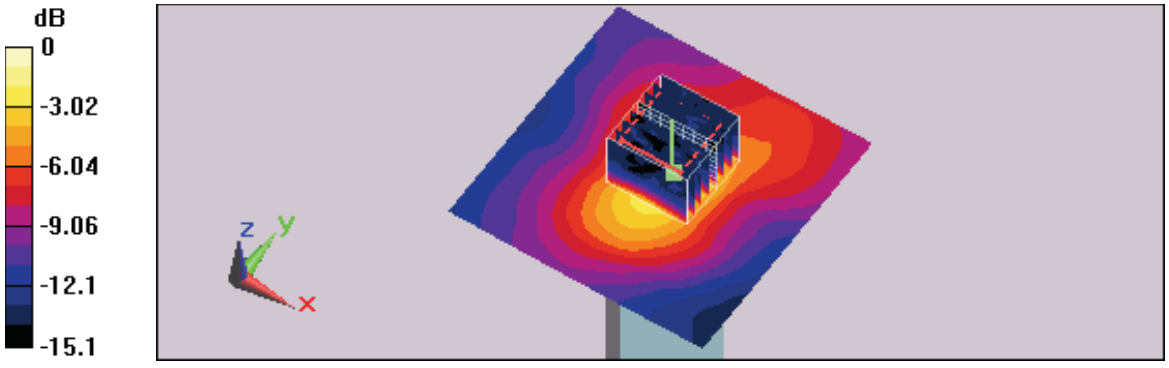
Communication System: IEEE 802.11a; Frequency: 5240 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 5240 MHz; σ = 5.41 mho/m; ε_r = 50; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Probe: EX3DV4 - SN3552 add; ConvF(4.53, 4.53, 4.53); Calibrated: 3/21/2008
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 11/30/2007
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 119; SEMCAD X Version 13.2 Build 87

Flat/Area Scan (91x91x1):
Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 1.68 mW/g

Flat/Zoom Scan (8x8x10)/Cube 0:
Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 18 V/m; Power Drift = -0.000744 dB
Peak SAR (extrapolated) = 3.69 W/kg
SAR(1 g) = 0.952 mW/g; SAR(10 g) = 0.391 mW/g
Maximum value of SAR (measured) = 1.74 mW/g



0 dB = 1.74mW/g

Test Laboratory: A Test Lab Techno Corp.

Date/Time: 8/14/2008 12:13:52 PM

Flat_802.11a Freq 5260MHz_Open Angle 90_Tip Close Body_6M

DUT: SMC2536W-AG2_Ant. A; Type: PCMCIA CARD; FCC ID: HEDSMC2536WAG2

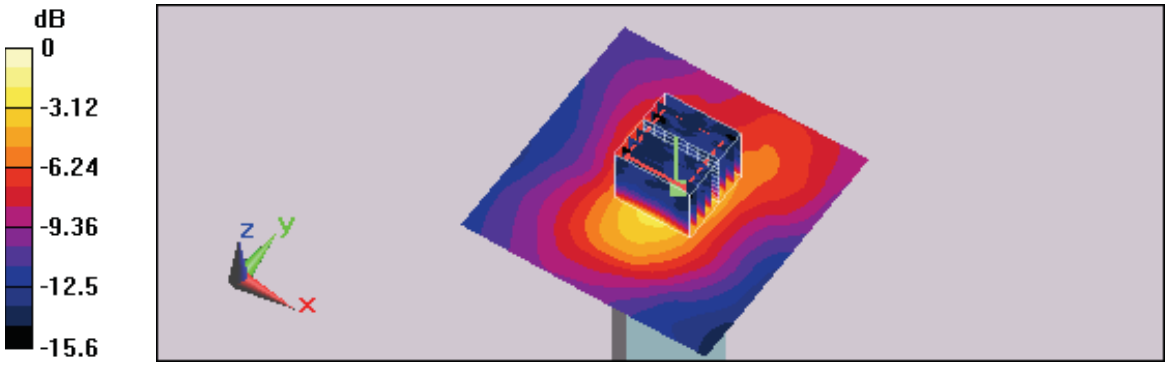
Communication System: IEEE 802.11a; Frequency: 5260 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 5260 MHz; σ = 5.46 mho/m; ε_r = 50.5; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Probe: EX3DV4 - SN3552 add; ConvF(4.17, 4.17, 4.17); Calibrated: 3/21/2008
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 11/30/2007
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 119; SEMCAD X Version 13.2 Build 87

Flat/Area Scan (91x91x1):
Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 1.82 mW/g

Flat/Zoom Scan (8x8x10)/Cube 0:
Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 18.4 V/m; Power Drift = 0.065 dB
Peak SAR (extrapolated) = 3.88 W/kg
SAR(1 g) = 1.03 mW/g; SAR(10 g) = 0.418 mW/g
Maximum value of SAR (measured) = 1.9 mW/g



0 dB = 1.9mW/g

Test Laboratory: A Test Lab Techno Corp.

Date/Time: 8/14/2008 12:50:29 PM

Flat_802.11a Freq 5320MHz_Open Angle 90_Tip Close Body_6M

DUT: SMC2536W-AG2_Ant. A; Type: PCMCIA CARD; FCC ID: HEDSMC2536WAG2

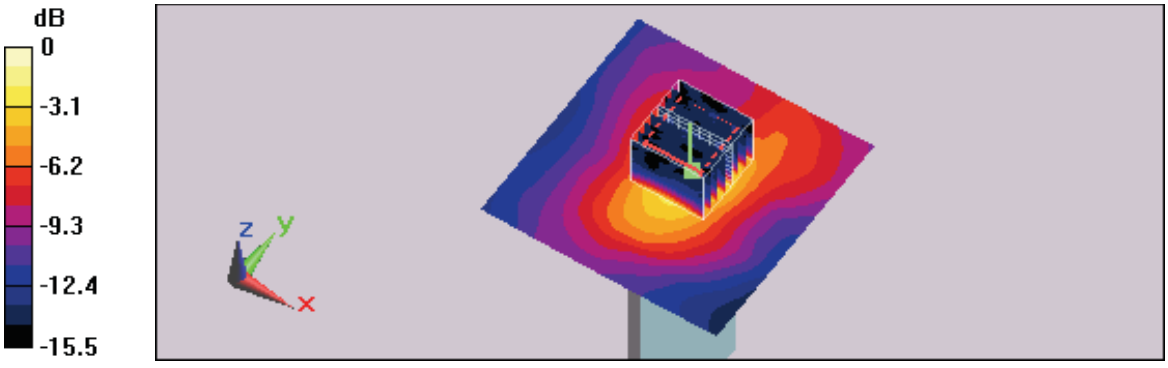
Communication System: IEEE 802.11a; Frequency: 5320 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5320 MHz; σ = 5.55 mho/m; ε_r = 51.4; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Probe: EX3DV4 - SN3552 add; ConvF(4.17, 4.17, 4.17); Calibrated: 3/21/2008
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 11/30/2007
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 119; SEMCAD X Version 13.2 Build 87

Flat/Area Scan (91x91x1):
Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 2.07 mW/g

Flat/Zoom Scan (8x8x10)/Cube 0:
Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 19.6 V/m; Power Drift = -0.026 dB
Peak SAR (extrapolated) = 4.61 W/kg
SAR(1 g) = 1.17 mW/g; SAR(10 g) = 0.470 mW/g
Maximum value of SAR (measured) = 2.13 mW/g



0 dB = 2.13mW/g

Test Laboratory: A Test Lab Techno Corp.

Date/Time: 8/14/2008 1:18:59 PM

Flat_802.11a Freq 5745MHz_Open Angle 90_Tip Close Body_6M

DUT: SMC2536W-AG2_Ant. A; Type: PCMCIA CARD; FCC ID: HEDSMC2536WAG2

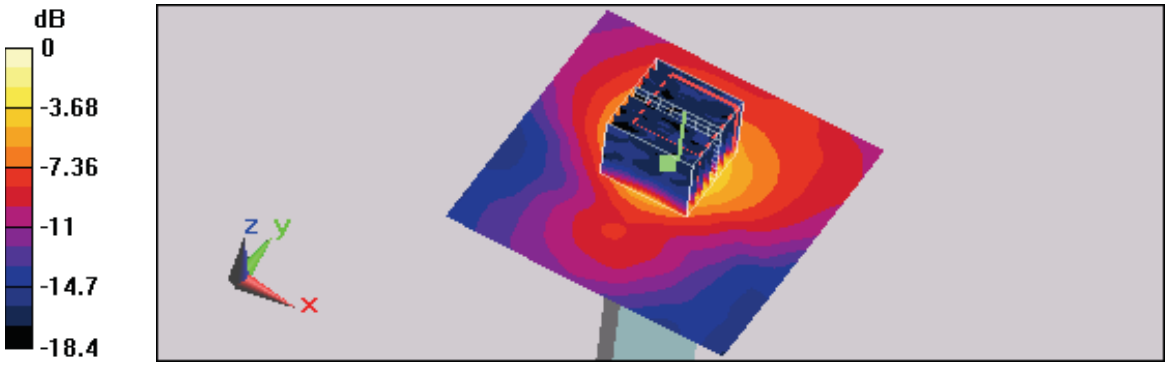
Communication System: IEEE 802.11a; Frequency: 5745 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 5745 MHz; σ = 5.81 mho/m; ε_r = 47.6; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Probe: EX3DV3 - SN3519; ConvF(3.88, 3.88, 3.88); Calibrated: 3/21/2008
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 11/30/2007
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 119; SEMCAD X Version 13.2 Build 87

Flat/Area Scan (91x91x1):
Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 1.32 mW/g

Flat/Zoom Scan (8x8x10)/Cube 0:
Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 15.1 V/m; Power Drift = -0.099 dB
Peak SAR (extrapolated) = 4 W/kg
SAR(1 g) = 0.928 mW/g; SAR(10 g) = 0.359 mW/g
Maximum value of SAR (measured) = 1.81 mW/g



0 dB = 1.81mW/g

Test Laboratory: A Test Lab Techno Corp.

Date/Time: 8/14/2008 4:29:07 PM

Flat_802.11a Freq 5785MHz_Open Angle 90_Tip Close Body_6M

DUT: SMC2536W-AG2_Ant. A; Type: PCMCIA CARD; FCC ID: HEDSMC2536WAG2

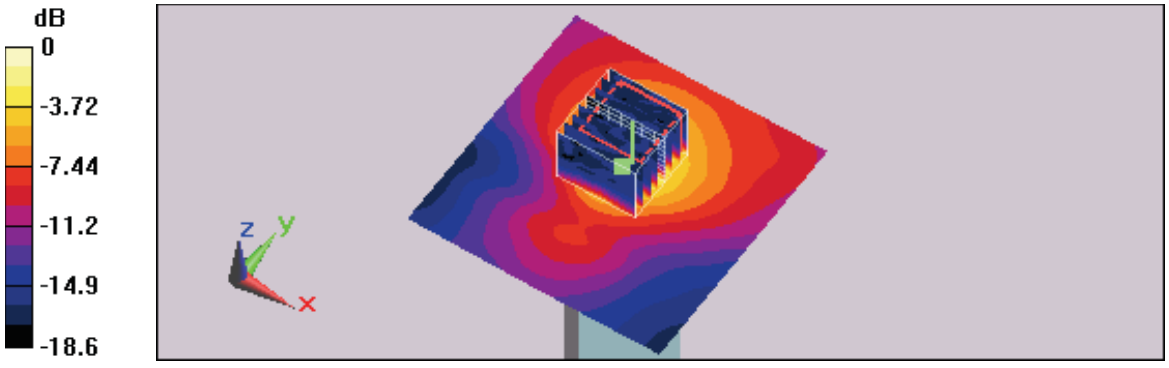
Communication System: IEEE 802.11a; Frequency: 5785 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 5785 MHz; σ = 5.8 mho/m; ε_r = 47.8; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Probe: EX3DV3 - SN3519; ConvF(3.88, 3.88, 3.88); Calibrated: 3/21/2008
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 11/30/2007
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 119; SEMCAD X Version 13.2 Build 87

Flat/Area Scan (91x91x1):
Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 1.38 mW/g

Flat/Zoom Scan (8x8x10)/Cube 0:
Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 14.8 V/m; Power Drift = -0.022 dB
Peak SAR (extrapolated) = 4.02 W/kg
SAR(1 g) = 0.911 mW/g; SAR(10 g) = 0.350 mW/g
Maximum value of SAR (measured) = 1.78 mW/g



0 dB = 1.78mW/g

Test Laboratory: A Test Lab Techno Corp.

Date/Time: 8/14/2008 3:58:05 PM

Flat_802.11a Freq 5825MHz_Open Angle 90_Tip Close Body_6M

DUT: SMC2536W-AG2_Ant. A; Type: PCMCIA CARD; FCC ID: HEDSMC2536WAG2

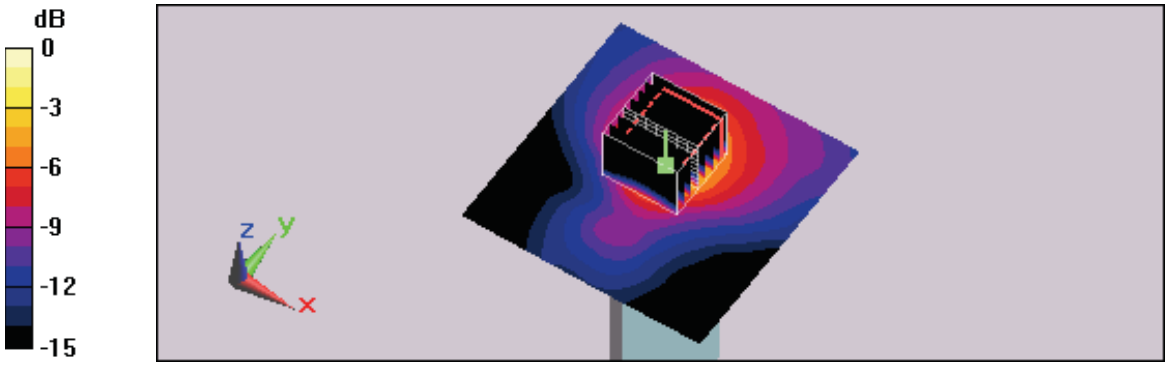
Communication System: IEEE 802.11a; Frequency: 5825 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 5825 MHz; σ = 5.84 mho/m; ε_r = 47.9; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Probe: EX3DV3 - SN3519; ConvF(3.88, 3.88, 3.88); Calibrated: 3/21/2008
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 11/30/2007
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 119; SEMCAD X Version 13.2 Build 87

Flat/Area Scan (91x91x1):
Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 1.4 mW/g

Flat/Zoom Scan (8x8x10)/Cube 0:
Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 15 V/m; Power Drift = 0.053 dB
Peak SAR (extrapolated) = 4.98 W/kg
SAR(1 g) = 1 mW/g; SAR(10 g) = 0.362 mW/g
Maximum value of SAR (measured) = 2.11 mW/g



0 dB = 2.11mW/g

Test Laboratory: A Test Lab Techno Corp.

Date/Time: 8/15/2008 12:59:19 PM

Flat_802.11a Freq 5180MHz_Open Angle 90_Tip Close Body_54M

DUT: SMC2536W-AG2_Ant. A; Type: PCMCIA CARD; FCC ID: HEDSMC2536WAG2

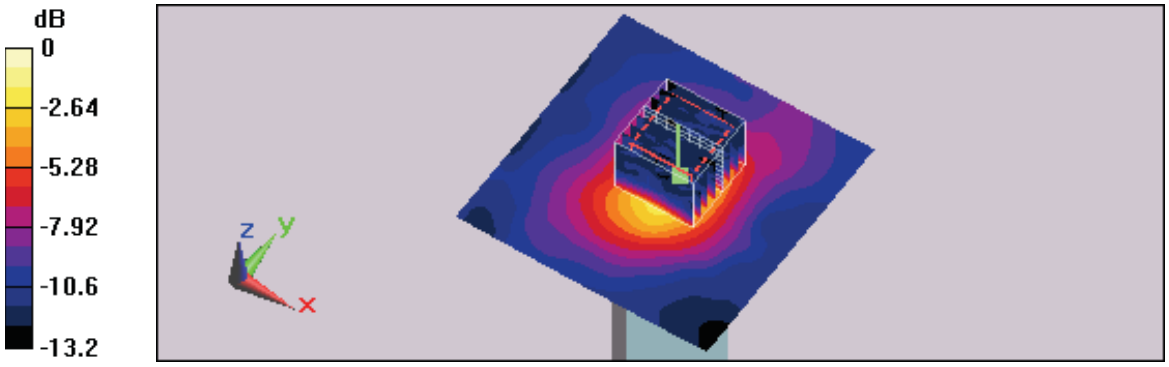
Communication System: IEEE 802.11a; Frequency: 5180 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 5180 MHz; σ = 5.25 mho/m; ε_r = 48.6; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Probe: EX3DV4 - SN3552 add; ConvF(4.53, 4.53, 4.53); Calibrated: 3/21/2008
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 11/30/2007
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 119; SEMCAD X Version 13.2 Build 87

Flat/Area Scan (91x91x1):
Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 1.05 mW/g

Flat/Zoom Scan (8x8x10)/Cube 0:
Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 14.2 V/m; Power Drift = -0.068 dB
Peak SAR (extrapolated) = 2.19 W/kg
SAR(1 g) = 0.558 mW/g; SAR(10 g) = 0.239 mW/g
Maximum value of SAR (measured) = 1.000 mW/g



0 dB = 1mW/g

Test Laboratory: A Test Lab Techno Corp.

Date/Time: 8/15/2008 1:55:56 PM

Flat_802.11a Freq 5240MHz_Open Angle 90_Tip Close Body_54M

DUT: SMC2536W-AG2_Ant. A; Type: PCMCIA CARD; FCC ID: HEDSMC2536WAG2

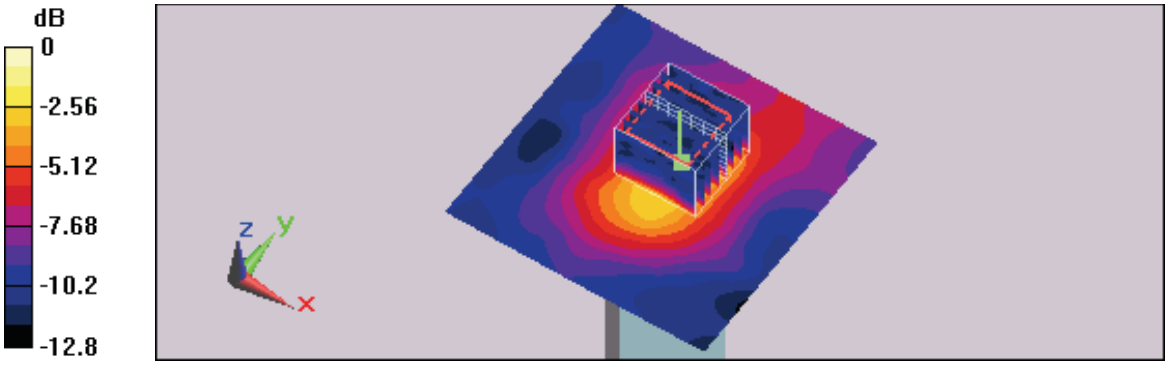
Communication System: IEEE 802.11a; Frequency: 5240 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 5240 MHz; σ = 5.41 mho/m; ε_r = 50; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Probe: EX3DV4 - SN3552 add; ConvF(4.53, 4.53, 4.53); Calibrated: 3/21/2008
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 11/30/2007
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 119; SEMCAD X Version 13.2 Build 87

Flat/Area Scan (91x91x1):
Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.789 mW/g

Flat/Zoom Scan (8x8x10)/Cube 0:
Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 11.4 V/m; Power Drift = 0.113 dB
Peak SAR (extrapolated) = 1.9 W/kg
SAR(1 g) = 0.474 mW/g; SAR(10 g) = 0.210 mW/g
Maximum value of SAR (measured) = 0.839 mW/g



0 dB = 0.839mW/g

Test Laboratory: A Test Lab Techno Corp.

Date/Time: 8/15/2008 2:31:33 PM

Flat_802.11a Freq 5260MHz_Open Angle 90_Tip Close Body_54M

DUT: SMC2536W-AG2_Ant. A; Type: PCMCIA CARD; FCC ID: HEDSMC2536WAG2

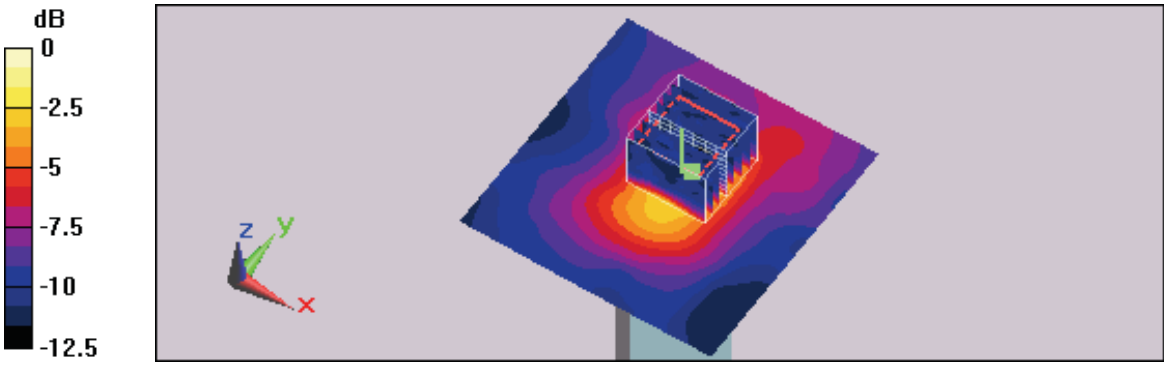
Communication System: IEEE 802.11a; Frequency: 5260 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 5260 MHz; σ = 5.46 mho/m; ε_r = 50.5; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Probe: EX3DV4 - SN3552 add; ConvF(4.17, 4.17, 4.17); Calibrated: 3/21/2008
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 11/30/2007
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 119; SEMCAD X Version 13.2 Build 87

Flat/Area Scan (91x91x1):
Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.774 mW/g

Flat/Zoom Scan (8x8x10)/Cube 0:
Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 11.3 V/m; Power Drift = -0.037 dB
Peak SAR (extrapolated) = 1.9 W/kg
SAR(1 g) = 0.466 mW/g; SAR(10 g) = 0.208 mW/g
Maximum value of SAR (measured) = 0.832 mW/g



0 dB = 0.832mW/g

Test Laboratory: A Test Lab Techno Corp.

Date/Time: 8/15/2008 3:06:13 PM

Flat_802.11a Freq 5320MHz_Open Angle 90_Tip Close Body_54M

DUT: SMC2536W-AG2_Ant. A; Type: PCMCIA CARD; FCC ID: HEDSMC2536WAG2

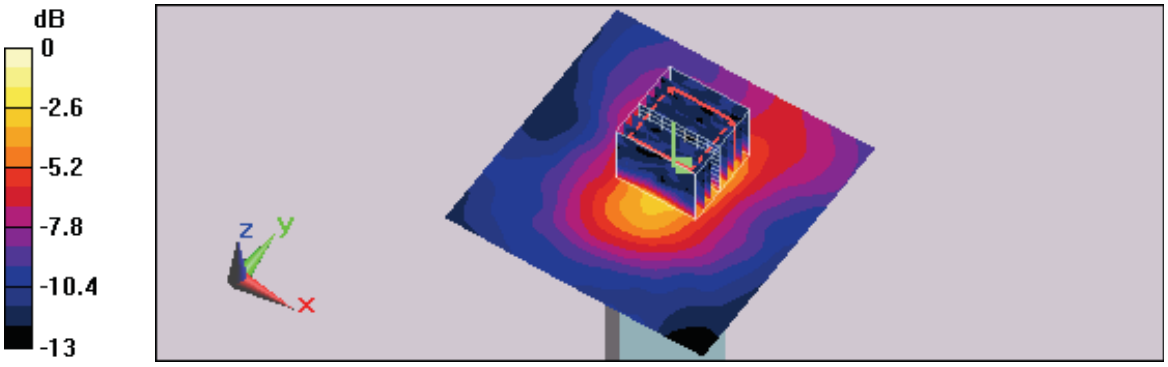
Communication System: IEEE 802.11a; Frequency: 5320 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5320 MHz; σ = 5.55 mho/m; ε_r = 51.4; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Probe: EX3DV4 - SN3552 add; ConvF(4.17, 4.17, 4.17); Calibrated: 3/21/2008
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 11/30/2007
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 119; SEMCAD X Version 13.2 Build 87

Flat/Area Scan (91x91x1):
Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 1 mW/g

Flat/Zoom Scan (8x8x10)/Cube 0:
Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 12.5 V/m; Power Drift = -0.041 dB
Peak SAR (extrapolated) = 2.44 W/kg
SAR(1 g) = 0.595 mW/g; SAR(10 g) = 0.253 mW/g
Maximum value of SAR (measured) = 1.05 mW/g



0 dB = 1.05mW/g

Test Laboratory: A Test Lab Techno Corp.

Date/Time: 8/15/2008 4:04:07 PM

Flat_802.11a Freq 5745MHz_Open Angle 90_Tip Close Body_54M

DUT: SMC2536W-AG2_Ant. A; Type: PCMCIA CARD; FCC ID: HEDSMC2536WAG2

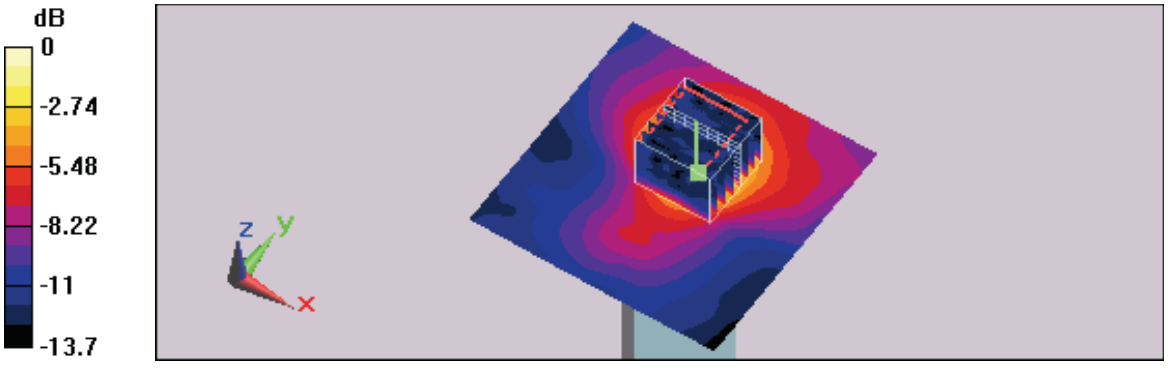
Communication System: IEEE 802.11a; Frequency: 5745 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 5745 MHz; σ = 5.81 mho/m; ε_r = 47.6; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Probe: EX3DV3 - SN3519; ConvF(3.88, 3.88, 3.88); Calibrated: 3/21/2008
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 11/30/2007
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 119; SEMCAD X Version 13.2 Build 87

Flat/Area Scan (91x91x1):
Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.761 mW/g

Flat/Zoom Scan (8x8x10)/Cube 0:
Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 9.86 V/m; Power Drift = -0.040 dB
Peak SAR (extrapolated) = 1.68 W/kg
SAR(1 g) = 0.415 mW/g; SAR(10 g) = 0.179 mW/g
Maximum value of SAR (measured) = 0.761 mW/g



0 dB = 0.761mW/g

Test Laboratory: A Test Lab Techno Corp.

Date/Time: 8/15/2008 4:39:07 PM

Flat_802.11a Freq 5785MHz_Open Angle 90_Tip Close Body_54M

DUT: SMC2536W-AG2_Ant. A; Type: PCMCIA CARD; FCC ID: HEDSMC2536WAG2

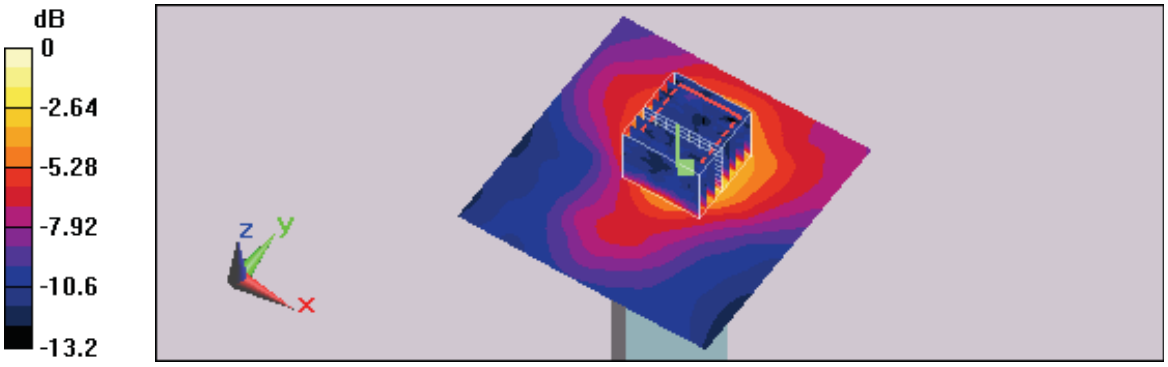
Communication System: IEEE 802.11a; Frequency: 5785 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 5785 MHz; σ = 5.8 mho/m; ε_r = 47.8; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Probe: EX3DV3 - SN3519; ConvF(3.88, 3.88, 3.88); Calibrated: 3/21/2008
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 11/30/2007
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 119; SEMCAD X Version 13.2 Build 87

Flat/Area Scan (91x91x1):
Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.577 mW/g

Flat/Zoom Scan (8x8x10)/Cube 0:
Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 8.68 V/m; Power Drift = -0.020 dB
Peak SAR (extrapolated) = 1.26 W/kg
SAR(1 g) = 0.323 mW/g; SAR(10 g) = 0.148 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: 8/15/2008 5:15:32 PM

Flat_802.11a Freq 5825MHz_Open Angle 90_Tip Close Body_54M

DUT: SMC2536W-AG2_Ant. A; Type: PCMCIA CARD; FCC ID: HEDSMC2536WAG2

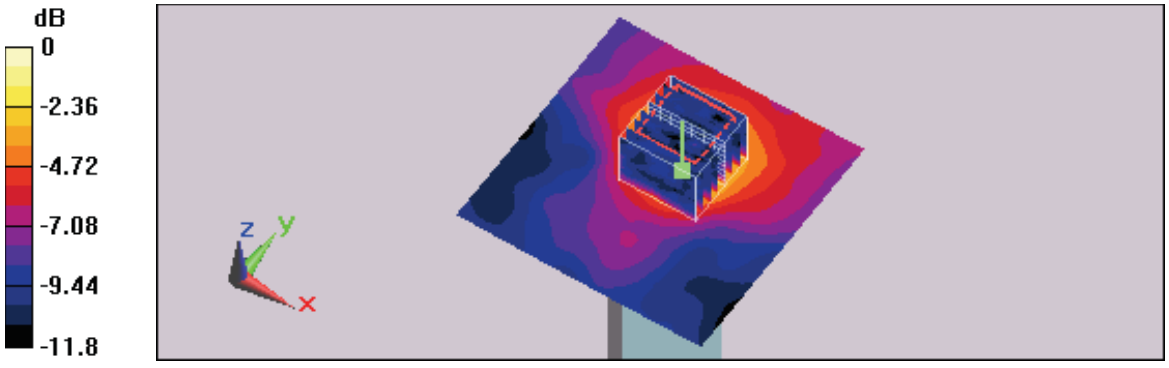
Communication System: IEEE 802.11a; Frequency: 5825 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 5825 MHz; σ = 5.84 mho/m; ε_r = 47.9; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Probe: EX3DV3 - SN3519; ConvF(3.88, 3.88, 3.88); Calibrated: 3/21/2008
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 11/30/2007
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 119; SEMCAD X Version 13.2 Build 87

Flat/Area Scan (91x91x1):
Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.431 mW/g

Flat/Zoom Scan (8x8x10)/Cube 0:
Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 7.92 V/m; Power Drift = 0.096 dB
Peak SAR (extrapolated) = 1.17 W/kg
SAR(1 g) = 0.266 mW/g; SAR(10 g) = 0.124 mW/g
Maximum value of SAR (measured) = 0.463 mW/g



0 dB = 0.463mW/g

Test Laboratory: A Test Lab Techno Corp.

Date/Time: 8/14/2008 10:36:20 AM

Flat_802.11a Freq 5180MHz_Open Angle 90_Bottom Close Body_6M

DUT: SMC2536W-AG2_Ant. A; Type: PCMCIA CARD; FCC ID: HEDSMC2536WAG2

Communication System: IEEE 802.11a; Frequency: 5180 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 5180 MHz; σ = 5.25 mho/m; ε_r = 48.6; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

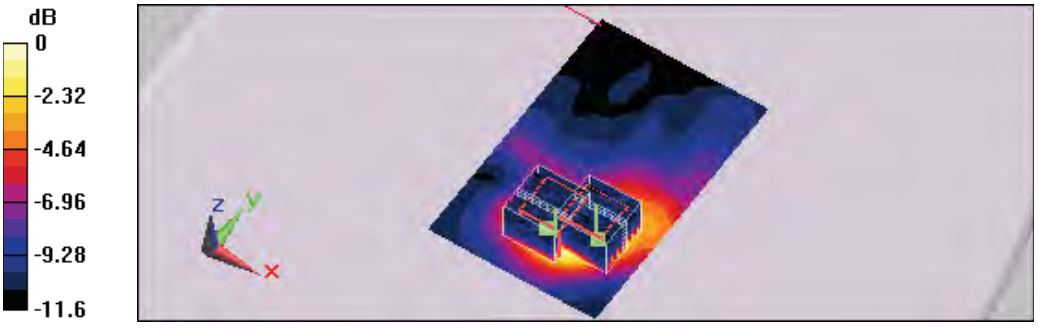
DASY5 Configuration:

- Probe: EX3DV4 - SN3552 add; ConvF(4.53, 4.53, 4.53); Calibrated: 3/21/2008
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 11/30/2007
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 119; SEMCAD X Version 13.2 Build 87

Flat/Area Scan (91x141x1):
Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 1.84 mW/g

Flat/Zoom Scan (8x8x10)/Cube 0:
Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 16.7 V/m; Power Drift = 0.023 dB
Peak SAR (extrapolated) = 4.05 W/kg
SAR(1 g) = 1.05 mW/g; SAR(10 g) = 0.452 mW/g
Maximum value of SAR (measured) = 1.87 mW/g

Flat/Zoom Scan (8x8x10)/Cube 1:
Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 16.7 V/m; Power Drift = 0.023 dB
Peak SAR (extrapolated) = 2.97 W/kg
SAR(1 g) = 0.789 mW/g; SAR(10 g) = 0.390 mW/g
Maximum value of SAR (measured) = 1.35 mW/g



0 dB = 1.35mW/g

Test Laboratory: A Test Lab Techno Corp.

Date/Time: 8/14/2008 1:49:48 PM

Flat_802.11a Freq 5240MHz_Open Angle 90_Bottom Close Body_6M

DUT: SMC2536W-AG2_Ant. A; Type: PCMCIA CARD; FCC ID: HEDSMC2536WAG2

Communication System: IEEE 802.11a; Frequency: 5240 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 5240 MHz; σ = 5.41 mho/m; ε_r = 50; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

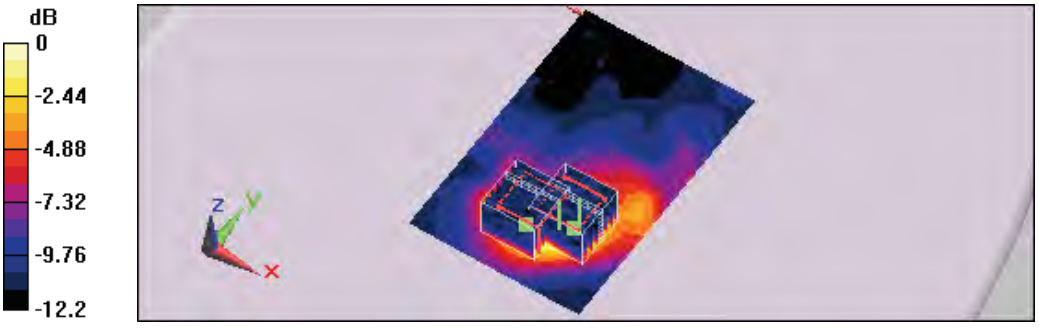
DASY5 Configuration:

- Probe: EX3DV4 - SN3552 add; ConvF(4.53, 4.53, 4.53); Calibrated: 3/21/2008
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 11/30/2007
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 119; SEMCAD X Version 13.2 Build 87

Flat/Area Scan (91x141x1):
Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 1.7 mW/g

Flat/Zoom Scan (8x8x10)/Cube 0:
Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 16.1 V/m; Power Drift = 0.00591 dB
Peak SAR (extrapolated) = 3.75 W/kg
SAR(1 g) = 0.941 mW/g; SAR(10 g) = 0.407 mW/g
Maximum value of SAR (measured) = 1.68 mW/g

Flat/Zoom Scan (8x8x10)/Cube 1:
Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 16.1 V/m; Power Drift = 0.00591 dB
Peak SAR (extrapolated) = 3.07 W/kg
SAR(1 g) = 0.758 mW/g; SAR(10 g) = 0.371 mW/g
Maximum value of SAR (measured) = 1.37 mW/g



0 dB = 1.37mW/g

Test Laboratory: A Test Lab Techno Corp.

Date/Time: 8/14/2008 2:50:47 PM

Flat_802.11a Freq 5260MHz_Open Angle 90_Bottom Close Body_6M

DUT: SMC2536W-AG2_Ant. A; Type: PCMCIA CARD; FCC ID: HEDSMC2536WAG2

Communication System: IEEE 802.11a; Frequency: 5260 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 5260 MHz; σ = 5.46 mho/m; ε_r = 50.5; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

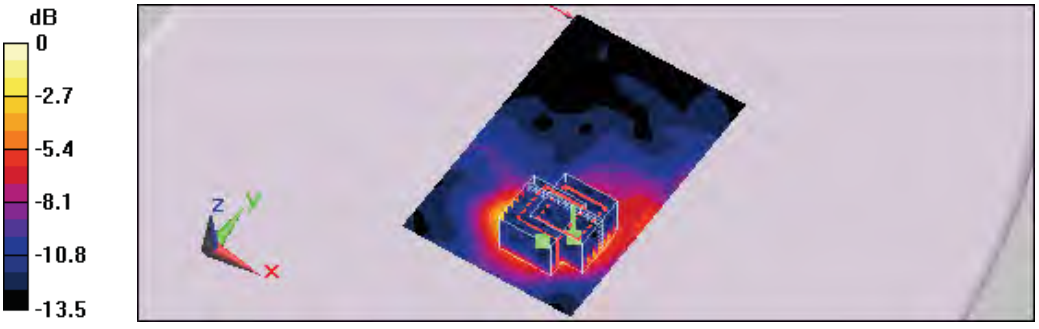
DASY5 Configuration:

- Probe: EX3DV4 - SN3552 add; ConvF(4.17, 4.17, 4.17); Calibrated: 3/21/2008
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 11/30/2007
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 119; SEMCAD X Version 13.2 Build 87

Flat/Area Scan (91x141x1):
Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 1.72 mW/g

Flat/Zoom Scan (8x8x10)/Cube 0:
Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 15.2 V/m; Power Drift = -0.016 dB
Peak SAR (extrapolated) = 4.24 W/kg
SAR(1 g) = 0.998 mW/g; SAR(10 g) = 0.423 mW/g
Maximum value of SAR (measured) = 1.76 mW/g

Flat/Zoom Scan (8x8x10)/Cube 1:
Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 15.2 V/m; Power Drift = -0.016 dB
Peak SAR (extrapolated) = 4.11 W/kg
SAR(1 g) = 0.975 mW/g; SAR(10 g) = 0.404 mW/g
Maximum value of SAR (measured) = 1.83 mW/g



0 dB = 1.83mW/g

Test Laboratory: A Test Lab Techno Corp.

Date/Time: 8/14/2008 3:36:44 PM

Flat_802.11a Freq 5320MHz_Open Angle 90_Bottom Close Body_6M

DUT: SMC2536W-AG2_Ant. A; Type: PCMCIA CARD; FCC ID: HEDSMC2536WAG2

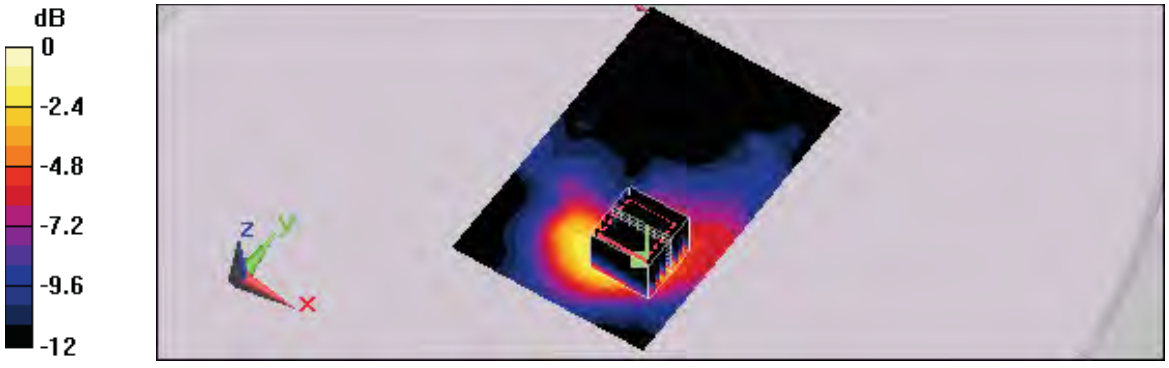
Communication System: IEEE 802.11a; Frequency: 5320 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5320 MHz; σ = 5.55 mho/m; ε_r = 51.4; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Probe: EX3DV4 - SN3552 add; ConvF(4.17, 4.17, 4.17); Calibrated: 3/21/2008
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 11/30/2007
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 119; SEMCAD X Version 13.2 Build 87

Flat/Area Scan (91x141x1):
Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 2.27 mW/g

Flat/Zoom Scan (8x8x10)/Cube 0:
Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 15.9 V/m; Power Drift = 0.040 dB
Peak SAR (extrapolated) = 4.57 W/kg
SAR(1 g) = 1.06 mW/g; SAR(10 g) = 0.443 mW/g
Maximum value of SAR (measured) = 1.89 mW/g



0 dB = 1.89mW/g

Test Laboratory: A Test Lab Techno Corp.

Date/Time: 8/14/2008 4:59:01 PM

Flat_802.11a Freq 5745MHz_Open Angle 90_Bottom Close Body_6M

DUT: SMC2536W-AG2_Ant. A; Type: PCMCIA CARD; FCC ID: HEDSMC2536WAG2

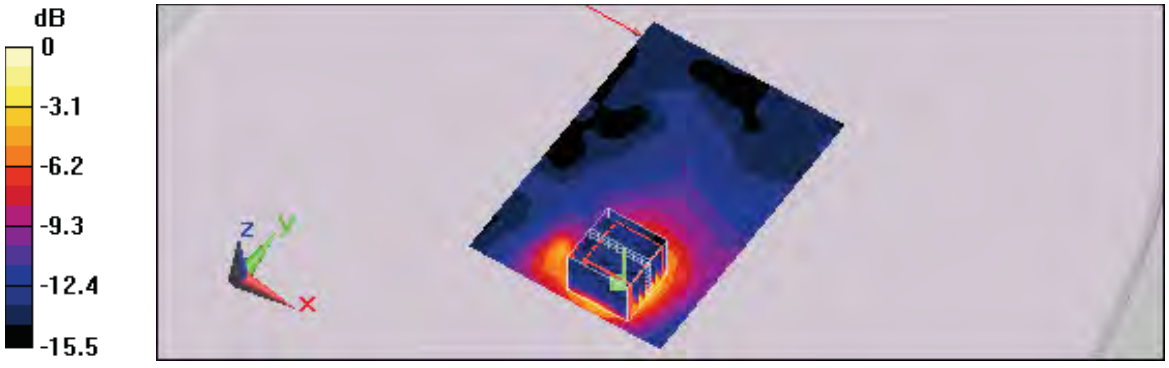
Communication System: IEEE 802.11a; Frequency: 5745 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 5745 MHz; σ = 5.81 mho/m; ε_r = 47.6; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Probe: EX3DV3 - SN3519; ConvF(3.88, 3.88, 3.88); Calibrated: 3/21/2008
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 11/30/2007
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 119; SEMCAD X Version 13.2 Build 87

Flat/Area Scan (91x131x1):
Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 2.37 mW/g

Flat/Zoom Scan (8x8x10)/Cube 0:
Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 11.6 V/m; Power Drift = -0.071 dB
Peak SAR (extrapolated) = 4.29 W/kg
SAR(1 g) = 1.01 mW/g; SAR(10 g) = 0.414 mW/g
Maximum value of SAR (measured) = 1.91 mW/g



0 dB = 1.91mW/g

Test Laboratory: A Test Lab Techno Corp.

Date/Time: 8/14/2008 4:28:11 PM

Flat_802.11a Freq 5785MHz_Open Angle 90_Bottom Close Body_6M

DUT: SMC2536W-AG2_Ant. A; Type: PCMCIA CARD; FCC ID: HEDSMC2536WAG2

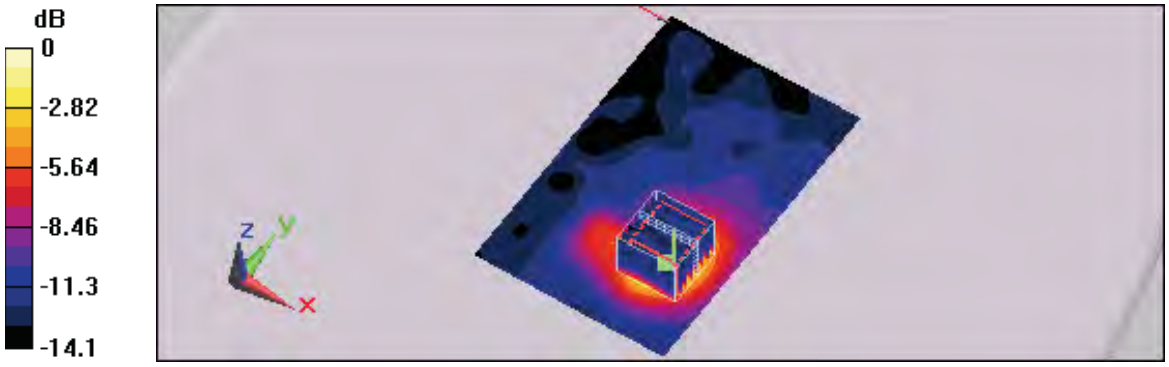
Communication System: IEEE 802.11a; Frequency: 5785 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 5785 MHz; σ = 5.8 mho/m; ε_r = 47.8; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Probe: EX3DV3 - SN3519; ConvF(3.88, 3.88, 3.88); Calibrated: 3/21/2008
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 11/30/2007
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 119; SEMCAD X Version 13.2 Build 87

Flat/Area Scan (91x141x1):
Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 1.64 mW/g

Flat/Zoom Scan (8x8x10)/Cube 0:
Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 8.89 V/m; Power Drift = -0.052 dB
Peak SAR (extrapolated) = 3.39 W/kg
SAR(1 g) = 0.833 mW/g; SAR(10 g) = 0.355 mW/g
Maximum value of SAR (measured) = 1.52 mW/g



0 dB = 1.52mW/g

Test Laboratory: A Test Lab Techno Corp.

Date/Time: 8/14/2008 5:20:19 PM

Flat_802.11a Freq 5825MHz_Open Angle 90_Bottom Close Body_6M

DUT: SMC2536W-AG2_Ant. A; Type: PCMCIA CARD; FCC ID: HEDSMC2536WAG2

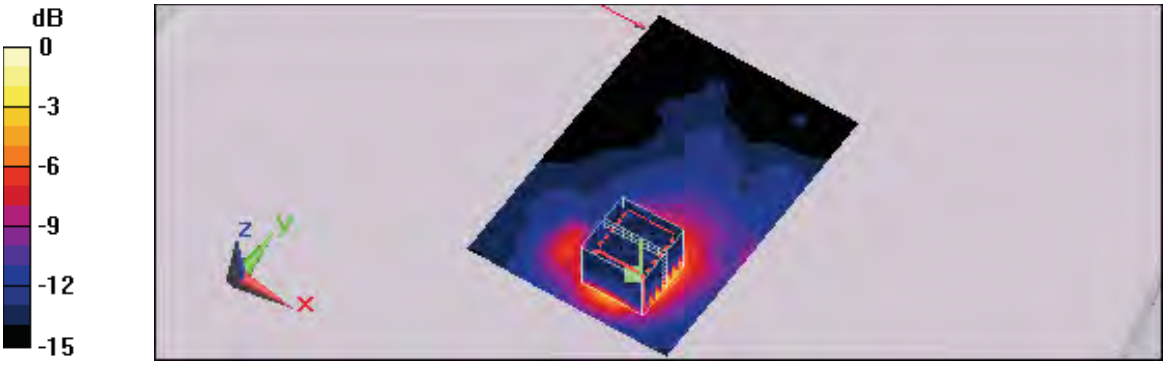
Communication System: IEEE 802.11a; Frequency: 5825 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 5825 MHz; σ = 5.84 mho/m; ε_r = 47.9; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Probe: EX3DV3 - SN3519; ConvF(3.88, 3.88, 3.88); Calibrated: 3/21/2008
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 11/30/2007
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 119; SEMCAD X Version 13.2 Build 87

Flat/Area Scan (91x131x1):
Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 2.41 mW/g

Flat/Zoom Scan (8x8x10)/Cube 0:
Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 11 V/m; Power Drift = 0.041 dB
Peak SAR (extrapolated) = 4.63 W/kg
SAR(1 g) = 1.07 mW/g; SAR(10 g) = 0.435 mW/g
Maximum value of SAR (measured) = 2.06 mW/g



0 dB = 2.06mW/g

Test Laboratory: A Test Lab Techno Corp.

Date/Time: 8/15/2008 6:10:43 PM

Flat_802.11a Freq 5180MHz_Open Angle 90_Bottom Close Body_54M

DUT: SMC2536W-AG2_Ant. A; Type: PCMCIA CARD; FCC ID: HEDSMC2536WAG2

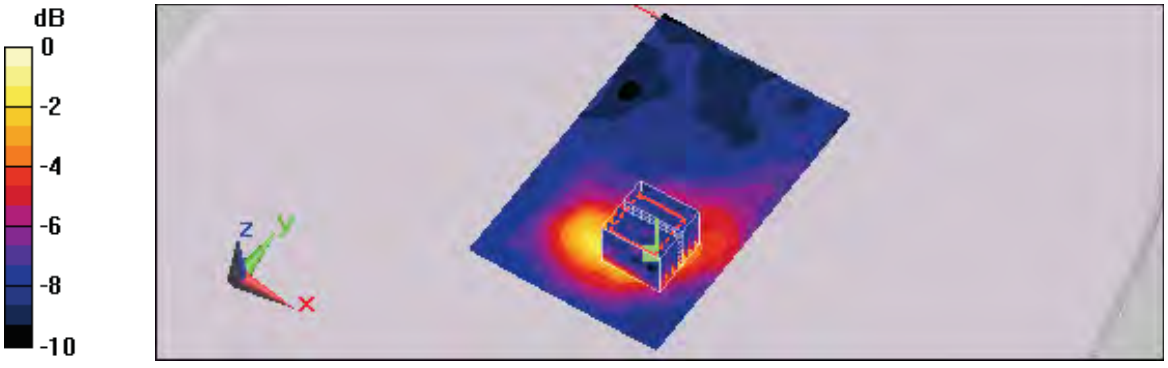
Communication System: IEEE 802.11a; Frequency: 5180 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 5180 MHz; σ = 5.25 mho/m; ε_r = 48.6; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Probe: EX3DV4 - SN3552 add; ConvF(4.53, 4.53, 4.53); Calibrated: 3/21/2008
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 11/30/2007
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 119; SEMCAD X Version 13.2 Build 87

Flat/Area Scan (91x141x1):
Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.724 mW/g

Flat/Zoom Scan (8x8x10)/Cube 0:
Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 10.4 V/m; Power Drift = 0.109 dB
Peak SAR (extrapolated) = 1.58 W/kg
SAR(1 g) = 0.422 mW/g; SAR(10 g) = 0.222 mW/g
Maximum value of SAR (measured) = 0.702 mW/g



0 dB = 0.702mW/g

Test Laboratory: A Test Lab Techno Corp.

Date/Time: 8/15/2008 6:46:22 PM

Flat_802.11a Freq 5240MHz_Open Angle 90_Bottom Close Body_54M

DUT: SMC2536W-AG2_Ant. A; Type: PCMCIA CARD; FCC ID: HEDSMC2536WAG2

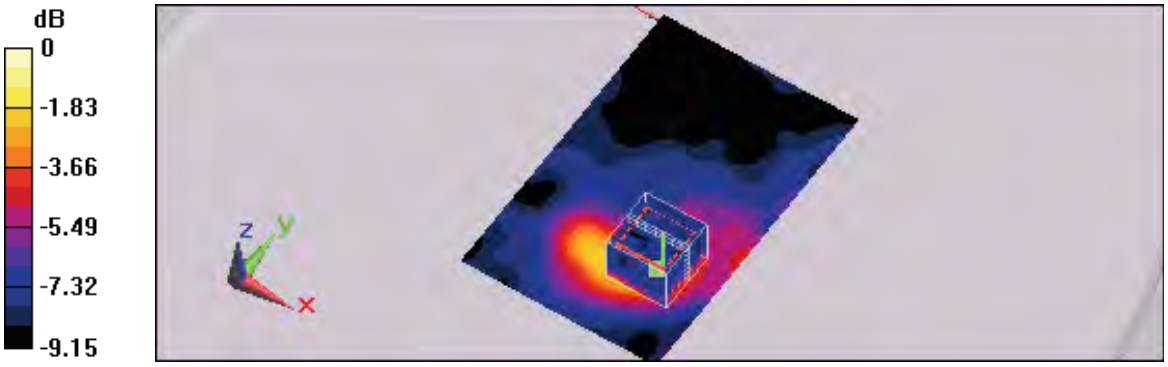
Communication System: IEEE 802.11a; Frequency: 5240 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 5240 MHz; σ = 5.41 mho/m; ε_r = 50; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Probe: EX3DV4 - SN3552 add; ConvF(4.53, 4.53, 4.53); Calibrated: 3/21/2008
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 11/30/2007
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 119; SEMCAD X Version 13.2 Build 87

Flat/Area Scan (91x141x1):
Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.674 mW/g

Flat/Zoom Scan (8x8x10)/Cube 0:
Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 9.85 V/m; Power Drift = 0.048 dB
Peak SAR (extrapolated) = 1.56 W/kg
SAR(1 g) = 0.424 mW/g; SAR(10 g) = 0.224 mW/g
Maximum value of SAR (measured) = 0.683 mW/g



0 dB = 0.683mW/g

Test Laboratory: A Test Lab Techno Corp.

Date/Time: 8/15/2008 7:10:46 PM

Flat_802.11a Freq 5260MHz_Open Angle 90_Bottom Close Body_54M

DUT: SMC2536W-AG2_Ant. A; Type: PCMCIA CARD; FCC ID: HEDSMC2536WAG2

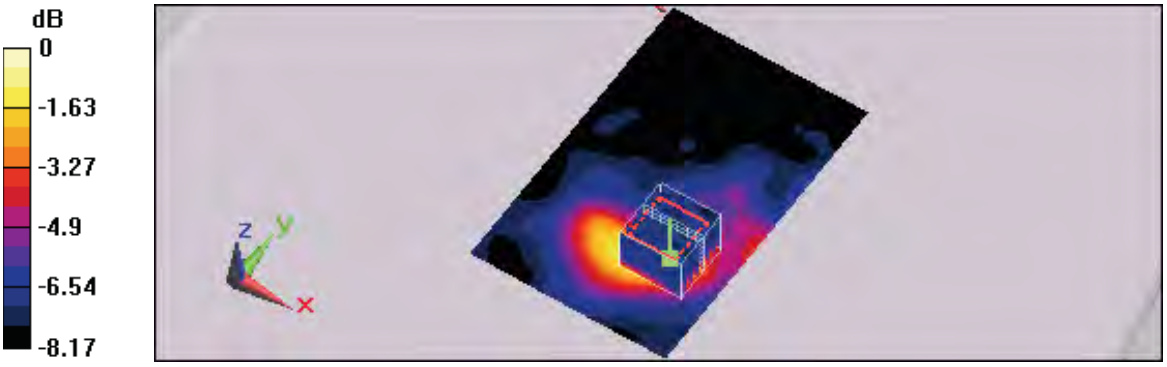
Communication System: IEEE 802.11a; Frequency: 5260 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 5260 MHz; σ = 5.46 mho/m; ε_r = 50.5; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Probe: EX3DV4 - SN3552 add; ConvF(4.17, 4.17, 4.17); Calibrated: 3/21/2008
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 11/30/2007
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 119; SEMCAD X Version 13.2 Build 87

Flat/Area Scan (91x141x1):
Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.632 mW/g

Flat/Zoom Scan (8x8x10)/Cube 0:
Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 9.71 V/m; Power Drift = 0.119 dB
Peak SAR (extrapolated) = 1.54 W/kg
SAR(1 g) = 0.398 mW/g; SAR(10 g) = 0.222 mW/g
Maximum value of SAR (measured) = 0.631 mW/g



0 dB = 0.631mW/g

Test Laboratory: A Test Lab Techno Corp.

Date/Time: 8/15/2008 6:28:16 PM

Flat_802.11a Freq 5320MHz_Open Angle 90_Bottom Close Body_54M

DUT: SMC2536W-AG2_Ant. A; Type: PCMCIA CARD; FCC ID: HEDSMC2536WAG2

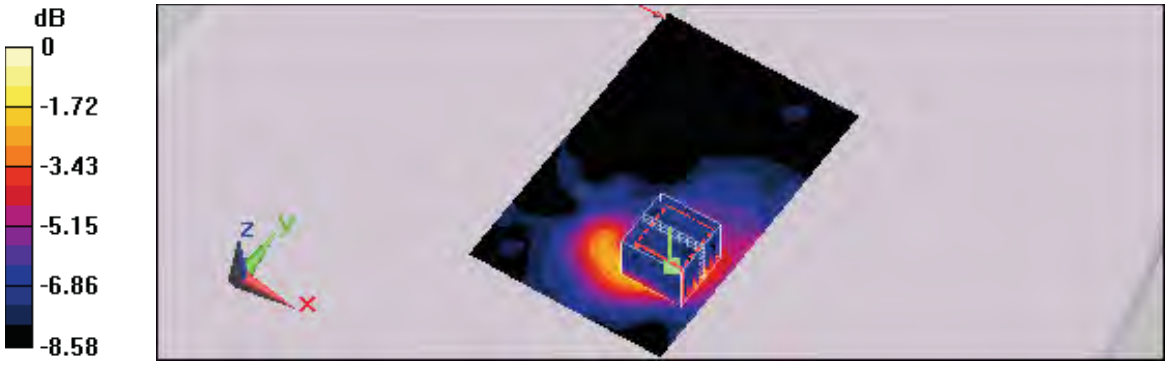
Communication System: IEEE 802.11a; Frequency: 5320 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5320 MHz; σ = 5.55 mho/m; ε_r = 51.4; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Probe: EX3DV4 - SN3552 add; ConvF(4.17, 4.17, 4.17); Calibrated: 3/21/2008
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 11/30/2007
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 119; SEMCAD X Version 13.2 Build 87

Flat/Area Scan (91x141x1):
Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.782 mW/g

Flat/Zoom Scan (8x8x10)/Cube 0:
Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 9.22 V/m; Power Drift = -0.155 dB
Peak SAR (extrapolated) = 1.62 W/kg
SAR(1 g) = 0.444 mW/g; SAR(10 g) = 0.240 mW/g
Maximum value of SAR (measured) = 0.713 mW/g



0 dB = 0.713mW/g

Test Laboratory: A Test Lab Techno Corp.

Date/Time: 8/15/2008 7:30:13 PM

Flat_802.11a Freq 5745MHz_Open Angle 90_Bottom Close Body_54M

DUT: SMC2536W-AG2_Ant. A; Type: PCMCIA CARD; FCC ID: HEDSMC2536WAG2

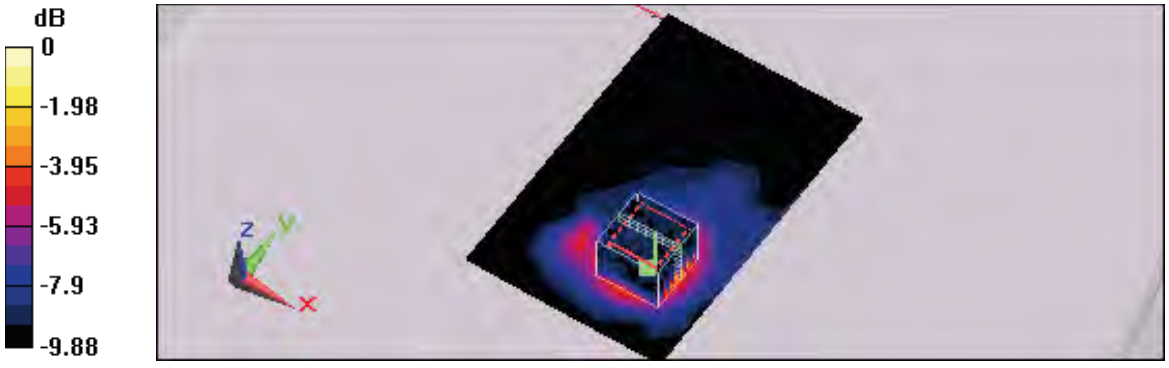
Communication System: IEEE 802.11a; Frequency: 5745 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 5745 MHz; σ = 5.81 mho/m; ε_r = 47.6; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Probe: EX3DV3 - SN3519; ConvF(3.88, 3.88, 3.88); Calibrated: 3/21/2008
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 11/30/2007
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 119; SEMCAD X Version 13.2 Build 87

Flat/Area Scan (91x141x1):
Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.777 mW/g

Flat/Zoom Scan (8x8x10)/Cube 0:
Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 7.25 V/m; Power Drift = 0.042 dB
Peak SAR (extrapolated) = 1.48 W/kg
SAR(1 g) = 0.429 mW/g; SAR(10 g) = 0.214 mW/g
Maximum value of SAR (measured) = 0.763 mW/g



0 dB = 0.763mW/g

Test Laboratory: A Test Lab Techno Corp.

Date/Time: 8/15/2008 8:08:29 PM

Flat_802.11a Freq 5785MHz_Open Angle 90_Bottom Close Body_54M

DUT: SMC2536W-AG2_Ant. A; Type: PCMCIA CARD; FCC ID: HEDSMC2536WAG2

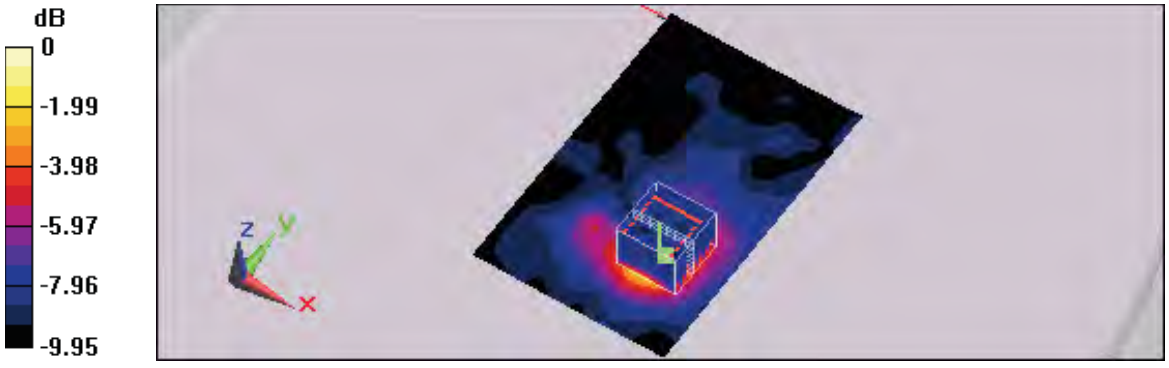
Communication System: IEEE 802.11a; Frequency: 5785 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 5785 MHz; σ = 5.8 mho/m; ε_r = 47.8; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Probe: EX3DV3 - SN3519; ConvF(3.88, 3.88, 3.88); Calibrated: 3/21/2008
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 11/30/2007
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 119; SEMCAD X Version 13.2 Build 87

Flat/Area Scan (91x141x1):
Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.692 mW/g

Flat/Zoom Scan (8x8x10)/Cube 0:
Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 6.64 V/m; Power Drift = -0.031 dB
Peak SAR (extrapolated) = 1.64 W/kg
SAR(1 g) = 0.408 mW/g; SAR(10 g) = 0.204 mW/g
Maximum value of SAR (measured) = 0.668 mW/g



0 dB = 0.668mW/g

Test Laboratory: A Test Lab Techno Corp.

Date/Time: 8/15/2008 7:48:22 PM

Flat_802.11a Freq 5825MHz_Open Angle 90_Bottom Close Body_54M

DUT: SMC2536W-AG2_Ant. A; Type: PCMCIA CARD; FCC ID: HEDSMC2536WAG2

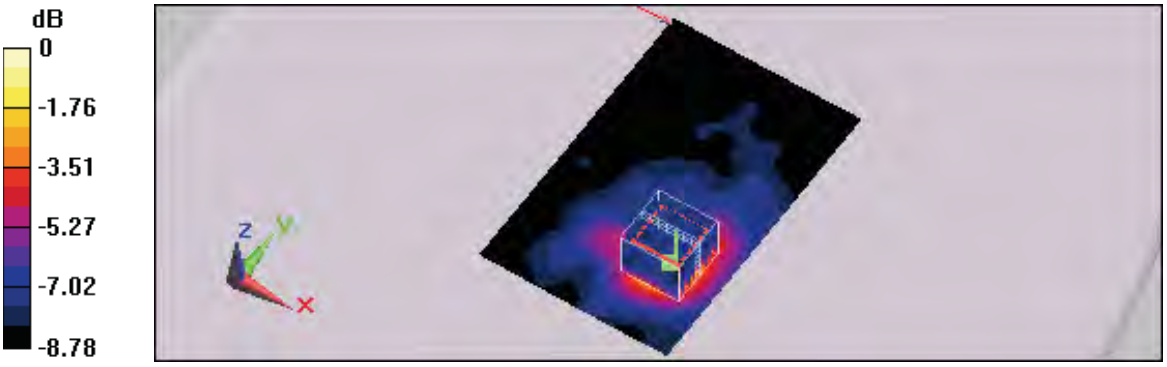
Communication System: IEEE 802.11a; Frequency: 5825 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 5825 MHz; σ = 5.84 mho/m; ε_r = 47.9; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Probe: EX3DV3 - SN3519; ConvF(3.88, 3.88, 3.88); Calibrated: 3/21/2008
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 11/30/2007
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 119; SEMCAD X Version 13.2 Build 87

Flat/Area Scan (91x141x1):
Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.542 mW/g

Flat/Zoom Scan (8x8x10)/Cube 0:
Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 5.69 V/m; Power Drift = -0.018 dB
Peak SAR (extrapolated) = 1.22 W/kg
SAR(1 g) = 0.313 mW/g; SAR(10 g) = 0.172 mW/g
Maximum value of SAR (measured) = 0.518 mW/g



0 dB = 0.518mW/g

Test Laboratory: A Test Lab Techno Corp.

Date/Time: 8/18/2008 6:52:53 PM

Flat_802.11b CH1_Open Angle 90_Tip Close Body_1M

DUT: SMC2536W-AG2_Ant. A; Type: PCMCIA CARD; FCC ID: HEDSMC2536WAG2

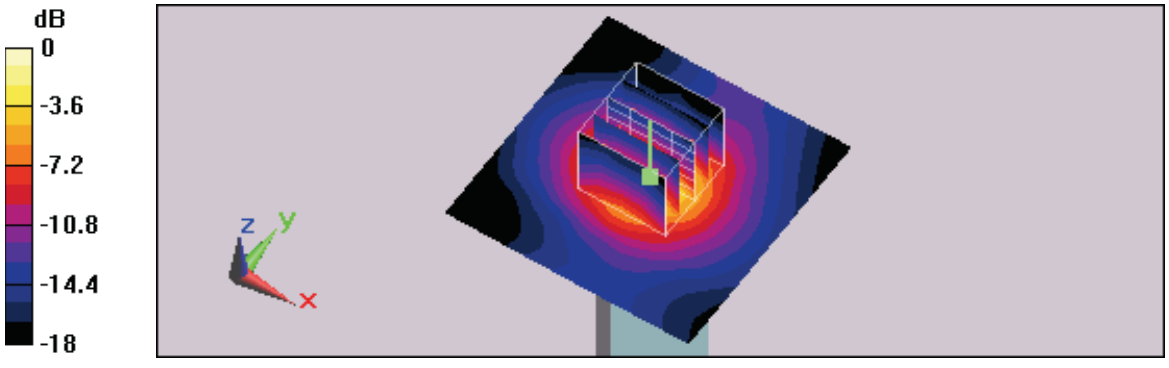
Communication System: IEEE 802.11b; Frequency: 2412 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2412 MHz; σ = 1.92 mho/m; ε_r = 52.6; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Probe: ES3DV3 - SN3150; ConvF(4.19, 4.19, 4.19); Calibrated: 1/9/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 11/30/2007
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 119; SEMCAD X Version 13.2 Build 87

Flat/Area Scan (61x61x1):
Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.366 mW/g

Flat/Zoom Scan (5x5x7)/Cube 0:
Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 14.4 V/m; Power Drift = 0.00487 dB
Peak SAR (extrapolated) = 0.677 W/kg
SAR(1 g) = 0.335 mW/g; SAR(10 g) = 0.153 mW/g
Maximum value of SAR (measured) = 0.389 mW/g



0 dB = 0.389mW/g

Test Laboratory: A Test Lab Techno Corp.

Date/Time: 8/18/2008 7:08:53 PM

Flat_802.11b CH1_Open Angle 90_Tip Close Body_11M

DUT: SMC2536W-AG2_Ant. A; Type: PCMCIA CARD; FCC ID: HEDSMC2536WAG2

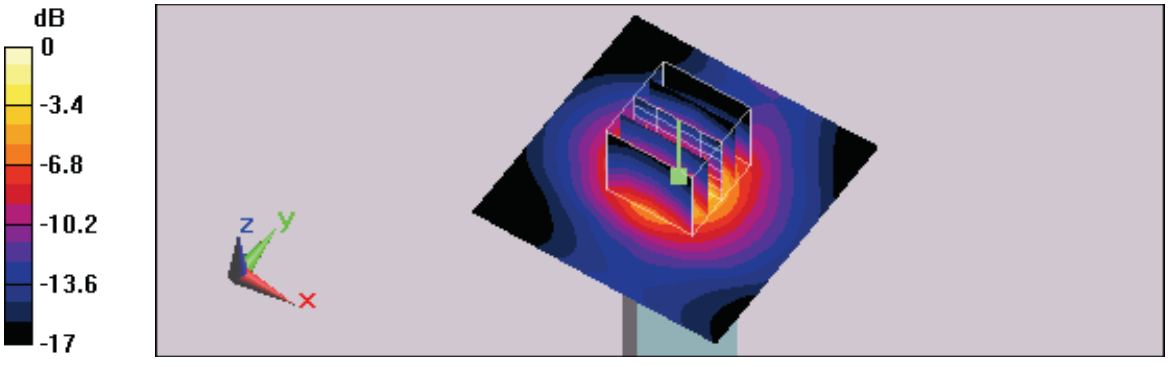
Communication System: IEEE 802.11b; Frequency: 2412 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2412 MHz; σ = 1.92 mho/m; ε_r = 52.6; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Probe: ES3DV3 - SN3150; ConvF(4.19, 4.19, 4.19); Calibrated: 1/9/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 11/30/2007
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 119; SEMCAD X Version 13.2 Build 87

Flat/Area Scan (61x61x1):
Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.373 mW/g

Flat/Zoom Scan (5x5x7)/Cube 0:
Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 14.3 V/m; Power Drift = 0.021 dB
Peak SAR (extrapolated) = 0.673 W/kg
SAR(1 g) = 0.331 mW/g; SAR(10 g) = 0.152 mW/g
Maximum value of SAR (measured) = 0.380 mW/g



0 dB = 0.380mW/g

Test Laboratory: A Test Lab Techno Corp.

Date/Time: 8/18/2008 8:17:26 PM

Flat_802.11b CH1_Open Angle 90_Bottom Close Body_1M

DUT: SMC2536W-AG2_Ant. A; Type: PCMCIA CARD; FCC ID: HEDSMC2536WAG2

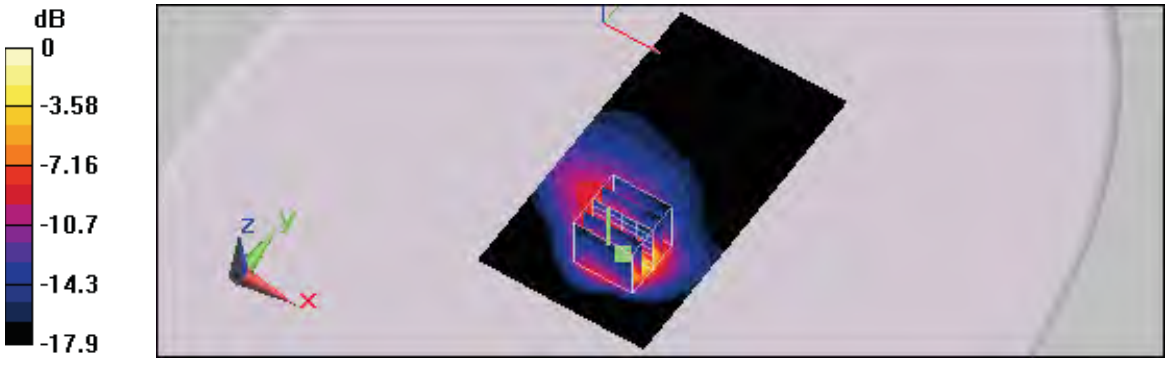
Communication System: IEEE 802.11b; Frequency: 2412 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2412 MHz; σ = 1.92 mho/m; ε_r = 52.6; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Probe: ES3DV3 - SN3150; ConvF(4.19, 4.19, 4.19); Calibrated: 1/9/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 11/30/2007
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 119; SEMCAD X Version 13.2 Build 87

Flat/Area Scan (61x111x1):
Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.54 mW/g

Flat/Zoom Scan (5x5x7)/Cube 0:
Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 22.2 V/m; Power Drift = -0.056 dB
Peak SAR (extrapolated) = 1.84 W/kg
SAR(1 g) = 0.794 mW/g; SAR(10 g) = 0.414 mW/g
Maximum value of SAR (measured) = 0.999 mW/g



0 dB = 0.999mW/g

Test Laboratory: A Test Lab Techno Corp.

Date/Time: 8/18/2008 8:36:51 PM

Flat_802.11b CH6_Open Angle 90_Bottom Close Body_1M

DUT: SMC2536W-AG2_Ant. A; Type: PCMCIA CARD; FCC ID: HEDSMC2536WAG2

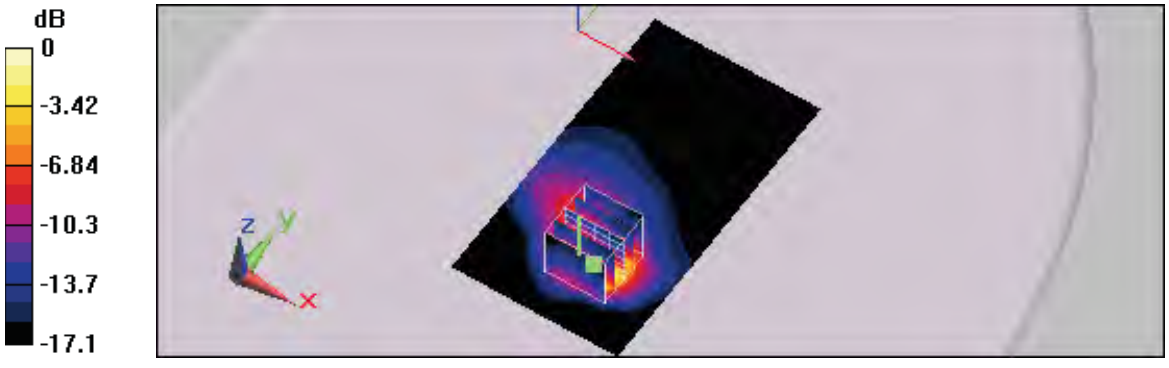
Communication System: IEEE 802.11b; Frequency: 2437 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2437 MHz; σ = 1.95 mho/m; ε_r = 52.4; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Probe: ES3DV3 - SN3150; ConvF(4.19, 4.19, 4.19); Calibrated: 1/9/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 11/30/2007
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 119; SEMCAD X Version 13.2 Build 87

Flat/Area Scan (61x111x1):
Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.33 mW/g

Flat/Zoom Scan (5x5x7)/Cube 0:
Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 19.9 V/m; Power Drift = -0.067 dB
Peak SAR (extrapolated) = 1.54 W/kg
SAR(1 g) = 0.741 mW/g; SAR(10 g) = 0.351 mW/g
Maximum value of SAR (measured) = 0.796 mW/g



0 dB = 0.796mW/g

Test Laboratory: A Test Lab Techno Corp.

Date/Time: 8/18/2008 8:53:40 PM

Flat_802.11b CH11_Open Angle 90_Bottom Close Body_1M

DUT: SMC2536W-AG2_Ant. A; Type: PCMCIA CARD; FCC ID: HEDSMC2536WAG2

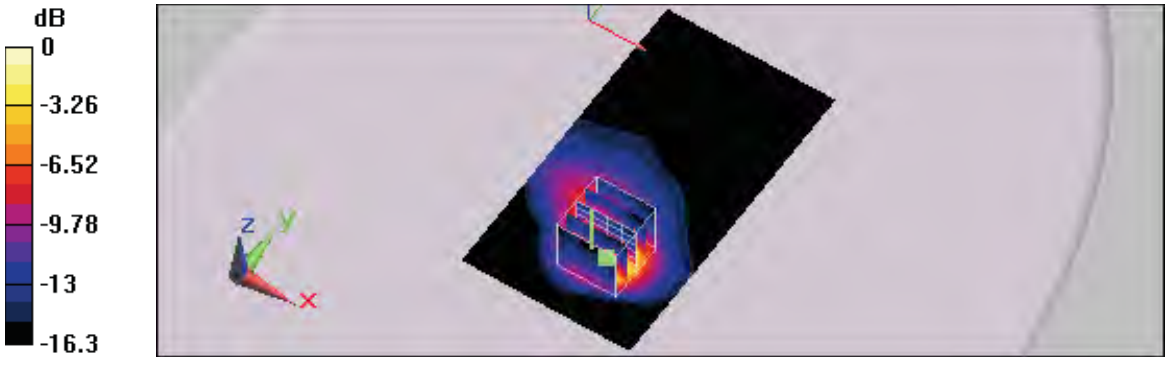
Communication System: IEEE 802.11b; Frequency: 2462 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2462 MHz; σ = 1.98 mho/m; ε_r = 52.3; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Probe: ES3DV3 - SN3150; ConvF(4.19, 4.19, 4.19); Calibrated: 1/9/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 11/30/2007
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 119; SEMCAD X Version 13.2 Build 87

Flat/Area Scan (61x111x1):
Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.07 mW/g

Flat/Zoom Scan (5x5x7)/Cube 0:
Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 18 V/m; Power Drift = -0.070 dB
Peak SAR (extrapolated) = 1.22 W/kg
SAR(1 g) = 0.600 mW/g; SAR(10 g) = 0.287 mW/g
Maximum value of SAR (measured) = 0.658 mW/g



0 dB = 0.658mW/g

Test Laboratory: A Test Lab Techno Corp.

Date/Time: 8/18/2008 9:45:35 PM

Flat_802.11b CH1_Open Angle 90_Bottom Close Body_11M

DUT: SMC2536W-AG2_Ant. A; Type: PCMCIA CARD; FCC ID: HEDSMC2536WAG2

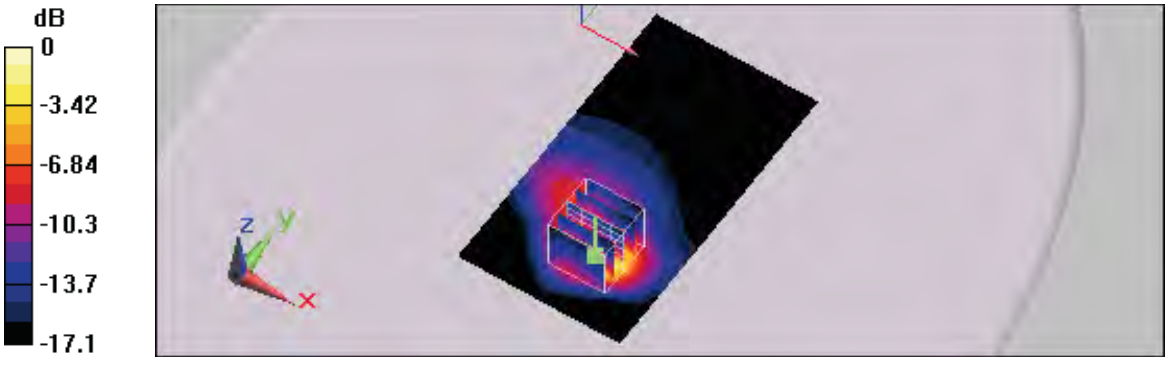
Communication System: IEEE 802.11b; Frequency: 2412 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2412 MHz; σ = 1.92 mho/m; ε_r = 52.6; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Probe: ES3DV3 - SN3150; ConvF(4.19, 4.19, 4.19); Calibrated: 1/9/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 11/30/2007
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 119; SEMCAD X Version 13.2 Build 87

Flat/Area Scan (61x111x1):
Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.26 mW/g

Flat/Zoom Scan (5x5x7)/Cube 0:
Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 21.1 V/m; Power Drift = -0.076 dB
Peak SAR (extrapolated) = 1.57 W/kg
SAR(1 g) = 0.778 mW/g; SAR(10 g) = 0.366 mW/g
Maximum value of SAR (measured) = 0.819 mW/g



0 dB = 0.819mW/g

Test Laboratory: A Test Lab Techno Corp.

Date/Time: 8/18/2008 9:28:04 PM

Flat_802.11b CH6_Open Angle 90_Bottom Close Body_11M

DUT: SMC2536W-AG2_Ant. A; Type: PCMCIA CARD; FCC ID: HEDSMC2536WAG2

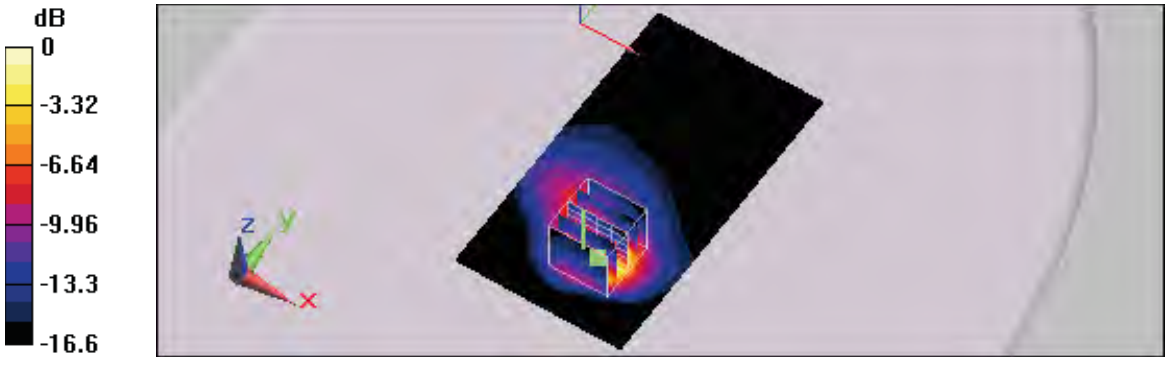
Communication System: IEEE 802.11b; Frequency: 2437 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2437 MHz; σ = 1.95 mho/m; ε_r = 52.4; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Probe: ES3DV3 - SN3150; ConvF(4.19, 4.19, 4.19); Calibrated: 1/9/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 11/30/2007
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 119; SEMCAD X Version 13.2 Build 87

Flat/Area Scan (61x111x1):
Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.35 mW/g

Flat/Zoom Scan (5x5x7)/Cube 0:
Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 20.3 V/m; Power Drift = -0.096 dB
Peak SAR (extrapolated) = 1.56 W/kg
SAR(1 g) = 0.750 mW/g; SAR(10 g) = 0.355 mW/g
Maximum value of SAR (measured) = 0.793 mW/g



0 dB = 0.793mW/g

Test Laboratory: A Test Lab Techno Corp.

Date/Time: 8/18/2008 9:10:42 PM

Flat_802.11b CH11_Open Angle 90_Bottom Close Body_11M

DUT: SMC2536W-AG2_Ant. A; Type: PCMCIA CARD; FCC ID: HEDSMC2536WAG2

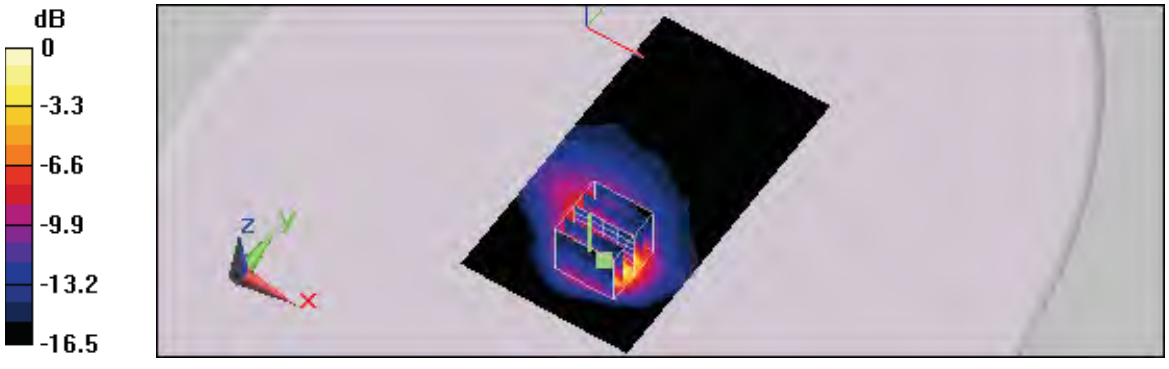
Communication System: IEEE 802.11b; Frequency: 2462 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2462 MHz; σ = 1.98 mho/m; ε_r = 52.3; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Probe: ES3DV3 - SN3150; ConvF(4.19, 4.19, 4.19); Calibrated: 1/9/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 11/30/2007
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 119; SEMCAD X Version 13.2 Build 87

Flat/Area Scan (61x111x1):
Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.11 mW/g

Flat/Zoom Scan (5x5x7)/Cube 0:
Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 18.1 V/m; Power Drift = -0.058 dB
Peak SAR (extrapolated) = 1.26 W/kg
SAR(1 g) = 0.610 mW/g; SAR(10 g) = 0.291 mW/g
Maximum value of SAR (measured) = 0.664 mW/g



0 dB = 0.664mW/g

Test Laboratory: A Test Lab Techno Corp.

Date/Time: 8/18/2008 7:24:00 PM

Flat_802.11g CH1_Open Angle 90_Tip Close Body_6M

DUT: SMC2536W-AG2_Ant. A; Type: PCMCIA CARD; FCC ID: HEDSMC2536WAG2

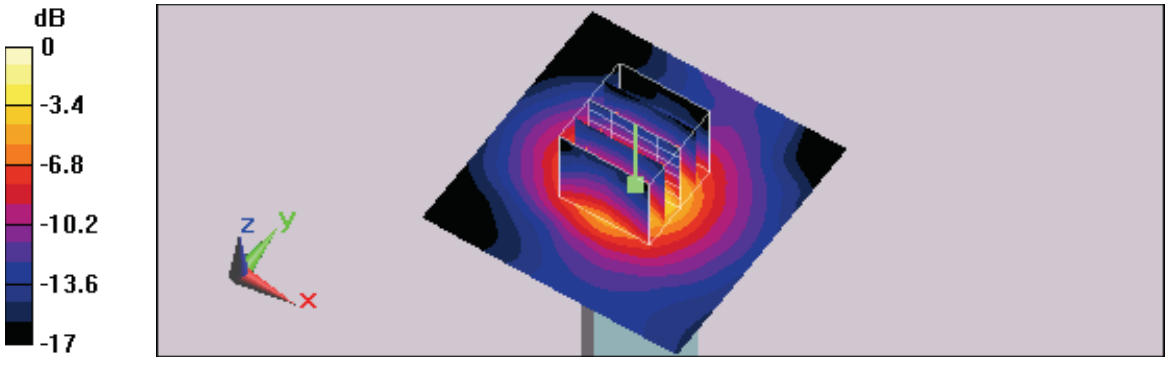
Communication System: IEEE 802.11g; Frequency: 2412 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2412 MHz; σ = 1.92 mho/m; ε_r = 52.6; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Probe: ES3DV3 - SN3150; ConvF(4.19, 4.19, 4.19); Calibrated: 1/9/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 11/30/2007
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 119; SEMCAD X Version 13.2 Build 87

Flat/Area Scan (61x61x1):
Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.221 mW/g

Flat/Zoom Scan (5x5x7)/Cube 0:
Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 11 V/m; Power Drift = 0.036 dB
Peak SAR (extrapolated) = 0.385 W/kg
SAR(1 g) = 0.193 mW/g; SAR(10 g) = 0.091 mW/g
Maximum value of SAR (measured) = 0.219 mW/g



0 dB = 0.219mW/g

Test Laboratory: A Test Lab Techno Corp.

Date/Time: 8/18/2008 7:37:34 PM

Flat_802.11g CH1_Open Angle 90_Tip Close Body_54M

DUT: SMC2536W-AG2_Ant. A; Type: PCMCIA CARD; FCC ID: HEDSMC2536WAG2

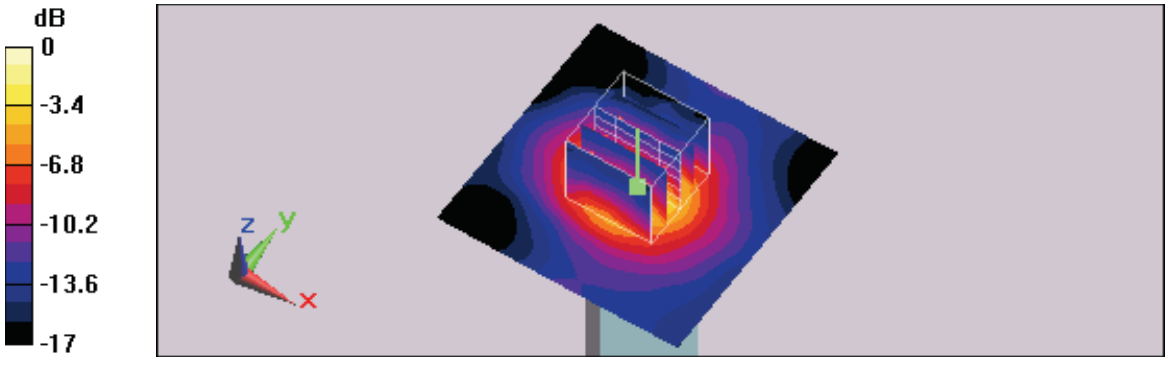
Communication System: IEEE 802.11g; Frequency: 2412 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2412 MHz; σ = 1.92 mho/m; ε_r = 52.6; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Probe: ES3DV3 - SN3150; ConvF(4.19, 4.19, 4.19); Calibrated: 1/9/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 11/30/2007
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 119; SEMCAD X Version 13.2 Build 87

Flat/Area Scan (61x61x1):
Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.109 mW/g

Flat/Zoom Scan (5x5x7)/Cube 0:
Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.71 V/m; Power Drift = 0.079 dB
Peak SAR (extrapolated) = 0.190 W/kg
SAR(1 g) = 0.097 mW/g; SAR(10 g) = 0.046 mW/g
Maximum value of SAR (measured) = 0.110 mW/g



0 dB = 0.110mW/g

Test Laboratory: A Test Lab Techno Corp.

Date/Time: 8/18/2008 10:05:32 PM

Flat_802.11g CH1_Open Angle 90_Bottom Close Body_6M

DUT: SMC2536W-AG2_Ant. A; Type: PCMCIA CARD; FCC ID: HEDSMC2536WAG2

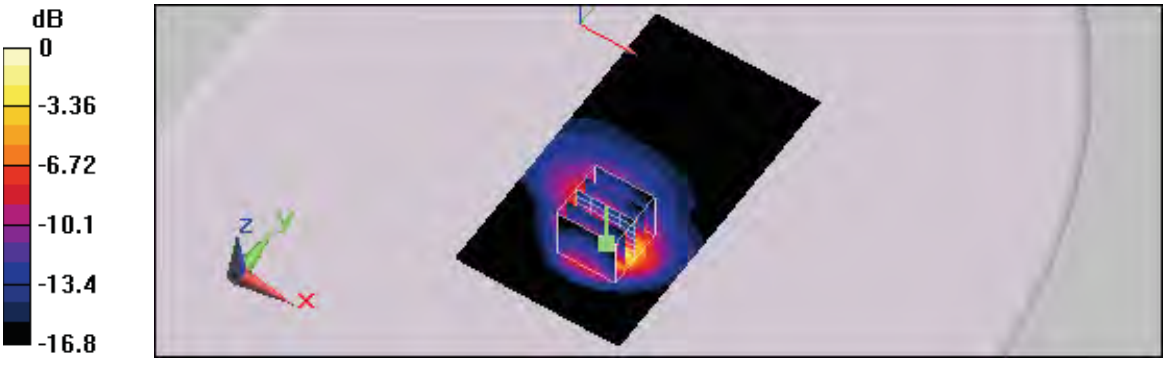
Communication System: IEEE 802.11g; Frequency: 2412 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2412 MHz; σ = 1.92 mho/m; ε_r = 52.6; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Probe: ES3DV3 - SN3150; ConvF(4.19, 4.19, 4.19); Calibrated: 1/9/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 11/30/2007
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 119; SEMCAD X Version 13.2 Build 87

Flat/Area Scan (61x111x1):
Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.752 mW/g

Flat/Zoom Scan (5x5x7)/Cube 0:
Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.7 V/m; Power Drift = -0.118 dB
Peak SAR (extrapolated) = 1.36 W/kg
SAR(1 g) = 0.647 mW/g; SAR(10 g) = 0.293 mW/g
Maximum value of SAR (measured) = 0.754 mW/g



0 dB = 0.754mW/g

Test Laboratory: A Test Lab Techno Corp.

Date/Time: 8/18/2008 10:22:17 PM

Flat_802.11g CH6_Open Angle 90_Bottom Close Body_6M

DUT: SMC2536W-AG2_Ant. A; Type: PCMCIA CARD; FCC ID: HEDSMC2536WAG2

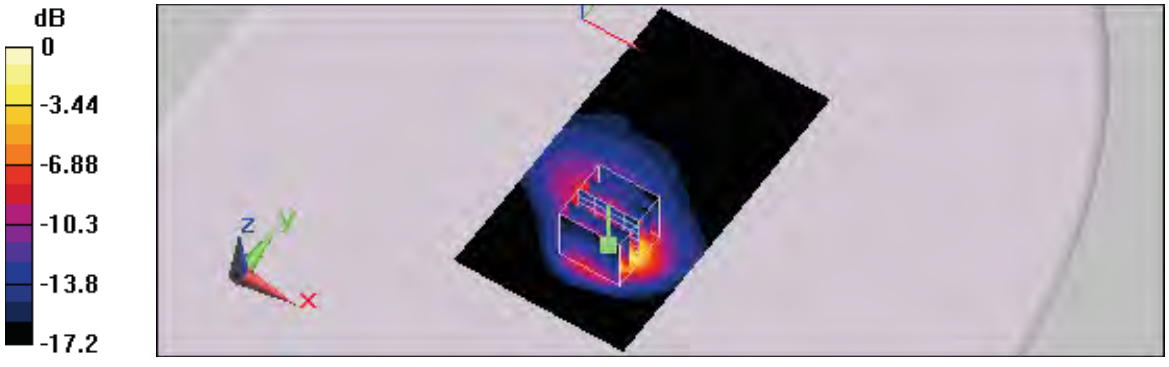
Communication System: IEEE 802.11g; Frequency: 2437 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2437 MHz; σ = 1.95 mho/m; ε_r = 52.4; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Probe: ES3DV3 - SN3150; ConvF(4.19, 4.19, 4.19); Calibrated: 1/9/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 11/30/2007
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 119; SEMCAD X Version 13.2 Build 87

Flat/Area Scan (61x111x1):
Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.699 mW/g

Flat/Zoom Scan (5x5x7)/Cube 0:
Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 11.8 V/m; Power Drift = -0.086 dB
Peak SAR (extrapolated) = 1.24 W/kg
SAR(1 g) = 0.592 mW/g; SAR(10 g) = 0.270 mW/g
Maximum value of SAR (measured) = 0.683 mW/g



0 dB = 0.683mW/g

Test Laboratory: A Test Lab Techno Corp.

Date/Time: 8/18/2008 10:39:43 PM

Flat_802.11g CH11_Open Angle 90_Bottom Close Body_6M

DUT: SMC2536W-AG2_Ant. A; Type: PCMCIA CARD; FCC ID: HEDSMC2536WAG2

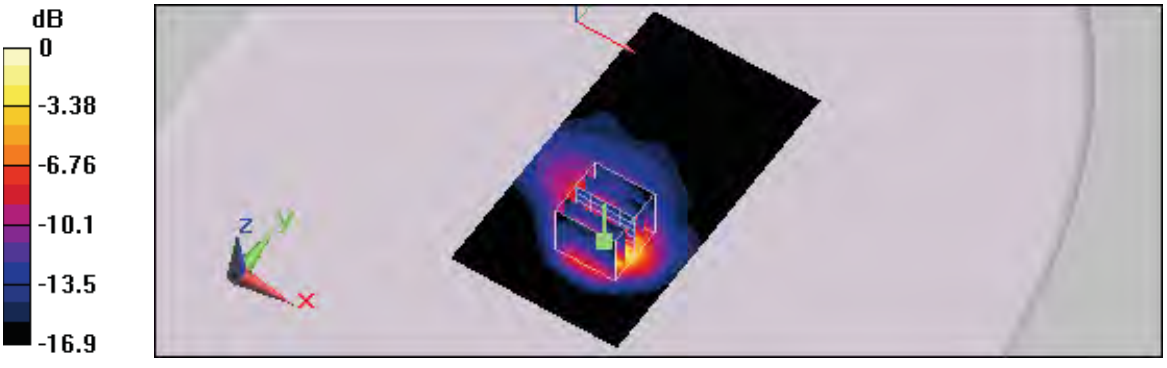
Communication System: IEEE 802.11g; Frequency: 2462 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2462 MHz; σ = 1.98 mho/m; ε_r = 52.3; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Probe: ES3DV3 - SN3150; ConvF(4.19, 4.19, 4.19); Calibrated: 1/9/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 11/30/2007
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 119; SEMCAD X Version 13.2 Build 87

Flat/Area Scan (61x111x1):
Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.638 mW/g

Flat/Zoom Scan (5x5x7)/Cube 0:
Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.8 V/m; Power Drift = -0.061 dB
Peak SAR (extrapolated) = 1.15 W/kg
SAR(1 g) = 0.544 mW/g; SAR(10 g) = 0.249 mW/g
Maximum value of SAR (measured) = 0.633 mW/g



0 dB = 0.633mW/g

Test Laboratory: A Test Lab Techno Corp.

Date/Time: 8/19/2008 1:23:58 AM

Flat_802.11g CH1_Open Angle 90_Bottom Close Body_54M

DUT: SMC2536W-AG2_Ant. A; Type: PCMCIA CARD; FCC ID: HEDSMC2536WAG2

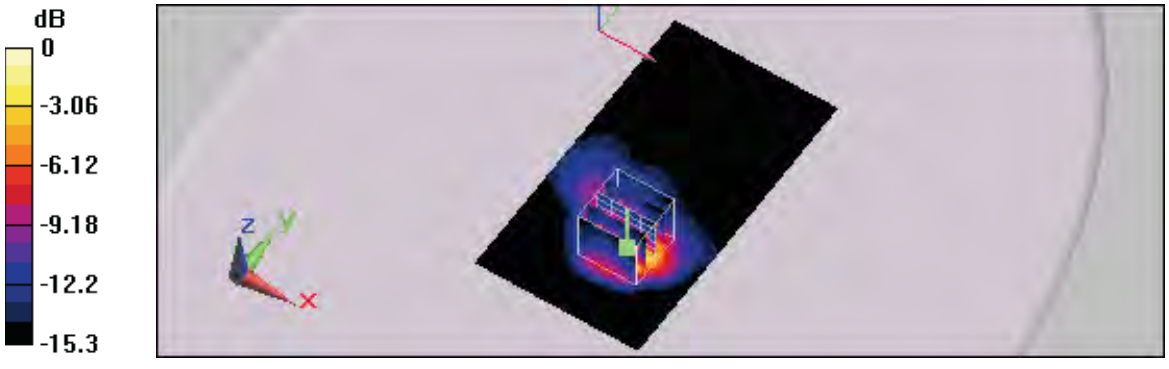
Communication System: IEEE 802.11g; Frequency: 2412 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2412 MHz; σ = 1.92 mho/m; ε_r = 52.6; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Probe: ES3DV3 - SN3150; ConvF(4.19, 4.19, 4.19); Calibrated: 1/9/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 11/30/2007
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 119; SEMCAD X Version 13.2 Build 87

Flat/Area Scan (61x111x1):
Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.401 mW/g

Flat/Zoom Scan (5x5x7)/Cube 0:
Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.71 V/m; Power Drift = -0.095 dB
Peak SAR (extrapolated) = 0.706 W/kg
SAR(1 g) = 0.340 mW/g; SAR(10 g) = 0.156 mW/g
Maximum value of SAR (measured) = 0.390 mW/g



0 dB = 0.390mW/g

Test Laboratory: A Test Lab Techno Corp.

Date/Time: 8/19/2008 1:01:04 AM

Flat_802.11g CH6_Open Angle 90_Bottom Close Body_54M

DUT: SMC2536W-AG2_Ant. A; Type: PCMCIA CARD; FCC ID: HEDSMC2536WAG2

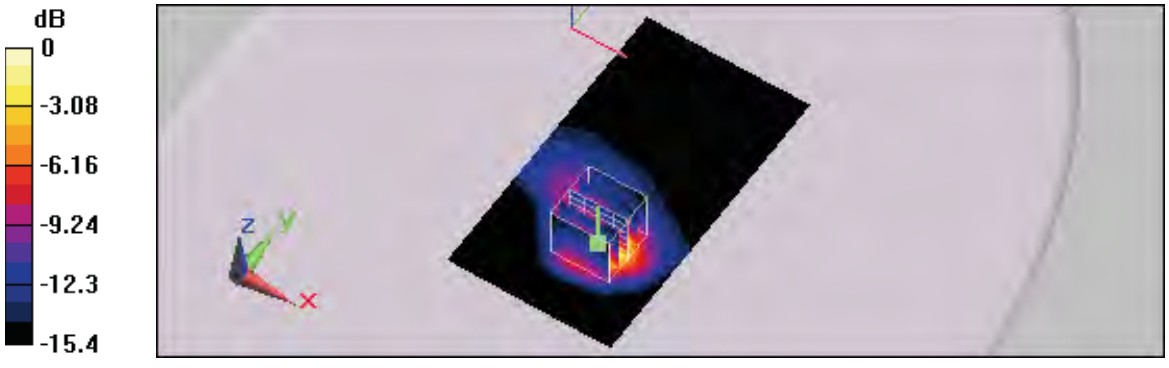
Communication System: IEEE 802.11g; Frequency: 2437 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2437 MHz; σ = 1.95 mho/m; ε_r = 52.4; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Probe: ES3DV3 - SN3150; ConvF(4.19, 4.19, 4.19); Calibrated: 1/9/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 11/30/2007
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 119; SEMCAD X Version 13.2 Build 87

Flat/Area Scan (61x111x1):
Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.352 mW/g

Flat/Zoom Scan (5x5x7)/Cube 0:
Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.17 V/m; Power Drift = -0.011 dB
Peak SAR (extrapolated) = 0.633 W/kg
SAR(1 g) = 0.298 mW/g; SAR(10 g) = 0.138 mW/g
Maximum value of SAR (measured) = 0.345 mW/g



0 dB = 0.345mW/g

Test Laboratory: A Test Lab Techno Corp.

Date/Time: 8/18/2008 11:25:04 PM

Flat_802.11g CH11_Open Angle 90_Bottom Close Body_54M

DUT: SMC2536W-AG2_Ant. A; Type: PCMCIA CARD; FCC ID: HEDSMC2536WAG2

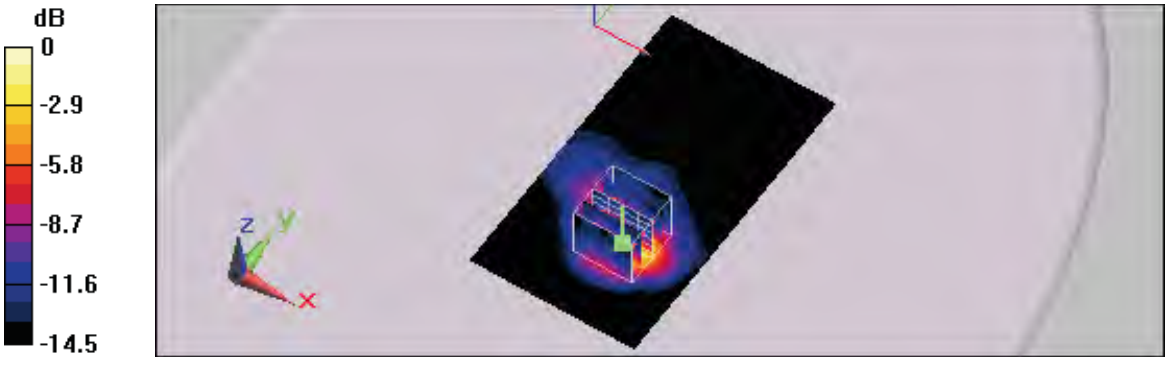
Communication System: IEEE 802.11g; Frequency: 2462 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2462 MHz; σ = 1.98 mho/m; ε_r = 52.3; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Probe: ES3DV3 - SN3150; ConvF(4.19, 4.19, 4.19); Calibrated: 1/9/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 11/30/2007
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1036
- Measurement SW: DASY5, V5.0 Build 119; SEMCAD X Version 13.2 Build 87

Flat/Area Scan (61x111x1):
Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.317 mW/g

Flat/Zoom Scan (5x5x7)/Cube 0:
Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.67 V/m; Power Drift = -0.011 dB
Peak SAR (extrapolated) = 0.583 W/kg
SAR(1 g) = 0.278 mW/g; SAR(10 g) = 0.128 mW/g
Maximum value of SAR (measured) = 0.322 mW/g



0 dB = 0.322mW/g

Appendix C - Calibration

All of the instruments Calibration information are listed below.

- Dipole _ D2450V2 SN:712 Calibration No.D2450V2-712_Jan08
- Dipole _ D5GHzV2 SN:1021 Calibration No.D5GHzV2-1021_ Mar08
- Probe _ EX3DV3 SN:3519 Calibration No.EX3-3519_Mar08
- Probe _ EX3DV4 SN:3552 Calibration No.EX3-3552_Mar08
- Probe _ ES3DV3 SN:3150 Calibration No.ES3-3150_Jan08
- DAE _ DAE4 SN:779 Calibration No.DAE4-779_Nov07