



Dosimetric Assessment Test Report

for the

Cisco Systems

**Tested and Evaluated In Accordance With
FCC OET 65 Supplement C: 01-01**

Prepared for

Cisco Systems
170 West Tasman Drive
San Jose, CA 95134

Engineering Statement: The measurements shown in this report were made in accordance with the procedures specified in Supplement C to OET Bulletin 65 of the Federal Communications Commission (FCC) Guidelines [FCC 2001] and Industry Canada RSS-102 for uncontrolled exposure. I assume full responsibility for the accuracy and completeness of these measurements, and for the qualifications of all persons taking them. It is further stated that upon the basis of the measurements made, the equipment evaluated is capable of compliance for localized specific absorption rate (SAR) for uncontrolled environment/general population exposure limits specified in ANSI/IEEE Std. C95.1-1999.



SAR Evaluation Certificate of Compliance

APPLICANT: Cisco Systems

Applicant Name and Address: Cisco Systems
170 West Tasman Drive
San Jose, CA 95134

Test Location: MET Laboratories, Inc.
3162 Belick Street
Santa Clara, CA 95054
USA

EUT:	CP-7925G 802.11abg Phone & Bluetooth IP Phone					
Date of Receipt:	September 08, 2008					
RF exposure environment:	Uncontrolled Exposure/General Population					
RF exposure category:	Portable					
Power supply:	3.7V 1100mAh Std Battery 3.7V 1400mAh Ext Battery					
Antenna:	Internal					
Production/prototype:	Production					
Modulation:	DTS					
Duty Cycle:	100%					
TX Range:	2400- 2483.5MHz 802.11 b	2400- 2483.5MHz 802.11 g	5180- 5240MHz 802.11 a	5260- 5320MHz 802.11 a	5470- 5725MHz 802.11 a	5745- 5805MHz 802.11 a
Max SAR Measured	SAR 1g (W/kg)					
Head:	0.223	0.287	0.716	0.597	1.24	1.07
Body:	0.184	0.255	0.322	0.290	0.768	0.360

Shawn McMillen
Wireless Manager





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INTRODUCTION

This measurement report demonstrates that the Cisco Systems CP-7921G 802.11abg Phone & Bluetooth IP Phone described within this report complies with the Specific Absorption Rate (SAR) RF exposure requirements specified in ANSI/IEEE Std. C95.1-1999 and FCC 47 CFR §2.1093 for the Uncontrolled Exposure/General population environment. The test procedures described in FCC OET Bulletin 65, Supplement C, Edition 01-01 were employed.

A description of the device under test, device operating configuration and test conditions, measurement and site description, methodology and procedures used in the evaluation, equipment used, detailed summary of the test results and the various provisions of the rules are included in this dosimetric assessment test report.

SAR DEFINITION

Specific Absorption Rate (SAR) is defined as the time derivative (rate) of the incremental energy (dU) 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 Fig. 1.1).

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

Figure 1.1
SAR Mathematical Equation

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

$$SAR = \sigma E^2 / \rho$$

where:

- σ - conductivity of the tissue - simulant material (S/m)
- ρ - mass density of the tissue - simulant material (kg/m³)
- E - Total 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.



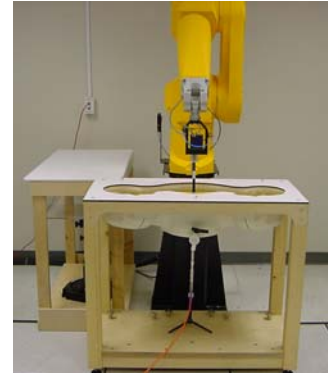
DESCRIPTION OF DEVICE UNDER TEST (EUT)

Applicant:	Cisco Systems		
Description of Test Item:	CP-7925G 802.11abg Phone & Bluetooth IP Phone		
Supply Voltage:	3.7V 1100mAh Std Battery 3.7V 1400mAh Ext Battery		
Antenna Type(s) Tested:	Internal		
Accessories:	Item	Part Number	Model Number
	Belt Clip	CP-HOLSTER-7925G	74-5473-01
	Leather Carry Case	CP-CASE-7925G	74-5472-01
Modes of Operation:	DSSS and OFDM		
Duty Cycle Tested:	100%		
Application Type:	Certification		
Exposure Category:	Uncontrolled Exposure/General Population		
FCC and IC Rule Part(s):	FCC 47 CFR §2.1093, Part 15.407 part E		
Standards:	IEEE Std. 1528-2003, FCC OET Bulletin 65, Supplement C, Edition 01-01		



SAR MEASUREMENT SYSTEM

MET Laboratories, Inc SAR measurement facility utilizes the DASY4 Professional Dosimetric Assessment System (DASY™) manufactured by Schmid & Partner Engineering AG (SPEAG™) of Zurich, Switzerland for performing SAR compliance tests. The DASY4 measurement system is comprised of the measurement server, robot controller, computer, near-field probe, probe alignment sensor, specific anthropomorphic mannequin (SAM) phantom, and various planar phantoms for brain and/or body SAR evaluations. The robot is a six-axis industrial robot performing precise movements to position the probe to the location (points) of maximum electromagnetic field (EMF). The Cell controller system contain the power supply, robot controller, teach pendant (Joystick), and remote control, is used to drive the robot motors. 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 coupler (EOC). The EOC performs the conversion from the optical into digital electric signal of the DAE and transfers data to the DASY4 measurement server. The DAE4 utilizes 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 DASY4 measurement server 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. The sensor systems are also used for mechanical surface detection and probe collision detection. The robot uses its own controller with a built in VME-bus computer.



MEASUREMENT SUMMARY

HEAD SAR MEASUREMENT RESULTS (2450MHz) Band								
Freq (MHz)	Chan	Test Mode	Data Rate	Cond. Pwr. Before (dBm)	Battery Type	Phantom Section	EUT Test Position	Measured SAR 1g (W/kg)
2437.0	Mid	b mode	1 Mbps	14.9	Standard	Left Head	Touch	0.142
2437.0	Mid	b mode	1 Mbps	14.9	Standard	Left Head	Tilt	0.188
2437.0	Mid	b mode	1 Mbps	14.9	Standard	Right Head	Touch	0.196
2437.0	Mid	b mode	1 Mbps	14.9	Standard	Right Head	Tilt	0.223
2437.0	Mid	g mode	6 Mbps	15.9	Standard	Left Head	Touch	0.160
2437.0	Mid	g mode	6 Mbps	15.9	Standard	Left Head	Tilt	0.228
2437.0	Mid	g mode	6 Mbps	15.9	Standard	Right Head	Touch	0.233
2437.0	Mid	g mode	6 Mbps	15.9	Standard	Right Head	Tilt	0.282
2437.0	Mid	g mode	6 Mbps	15.9	Extended	Right Head	Tilt	0.287
ANSI/IEEE C95.1 1992 – SAFETY LIMIT 1.6 W/kg (averaged over 1 gram) Spatial Peak – Uncontrolled Environment/General Population								
Measured Mixture Type		2450 MHz Head			Date Tested		Sept 8, 2008	
Dielectric Constant ϵ_r		IEEE Target		Measured	Duty Cycle		100%	
		39.2		38.3	Ambient Temperature (C)		22.5	
Conductivity σ (mho/m)		IEEE Target		Measured	Fluid Temperature (C)		22.0	
		1.80		1.85	Fluid Depth		≥ 15 cm	



BODY SAR MEASUREMENT RESULTS (2450MHz) Band									
Freq (MHz)	Chan	Test Mode	Data Rate	Cond. Pwr. Before (dBm)	Battery Type	Phantom Section	Accessory	Position	Measured SAR 1g (W/kg)
2437.0	Mid	b mode	1 Mbps	14.9	Standard	Planar	Leather Holster	Body	0.184
2437.0	Mid	b mode	1 Mbps	14.9	Standard	Planar	Plastic Holster	Body	0.176
2437.0	Mid	g mode	6 Mbps	15.9	Standard	Planar	Plastic Holster	Body	0.255
2437.0	Mid	g mode	6 Mbps	15.9	Standard	Planar	Leather Holster	Body	0.243
2437.0	Mid	g mode	6 Mbps	15.9	Extended	Planar	Leather Holster	Body	0.222
2437.0	Mid	g mode + Bluetooth	6 Mbps	15.9	Standard	Planar	Leather Holster	Body	0.241
ANSI/IEEE C95.1 1992 – SAFETY LIMIT 1.6 W/kg (averaged over 1 gram) Spatial Peak – Uncontrolled Environment/General Population									
Measured Mixture Type			2450 MHz Body			Date Tested		Sept 8, 2008	
Dielectric Constant ϵ_r			IEEE Target	Measured		Duty Cycle		100%	
			52.7	50.1		Ambient Temperature (C)		22.5	
Conductivity σ (mho/m)			IEEE Target	Measured		Fluid Temperature (C)		22.0	
			1.95	1.98		Fluid Depth		$\geq 15\text{cm}$	



HEAD SAR MEASUREMENT RESULTS (5180MHz) Band								
Freq (MHz)	Chan	Test Mode	Data Rate	Cond. Pwr. Before (dBm)	Battery Type	Phantom Section	EUT Test Position	Measured SAR 1g (W/kg)
5180	36	a mode	6 Mbps	14.5	Standard	Left Head	Touch	0.568
5180	36	a mode	6 Mbps	14.5	Standard	Left Head	Tilt	0.716
5180	36	a mode	6 Mbps	14.5	Standard	Right Head	Touch	0.496
5180	36	a mode	6 Mbps	14.5	Standard	Right Head	Tilt	0.584
ANSI/IEEE C95.1 1992 – SAFETY LIMIT 1.6 W/kg (averaged over 1 gram) Spatial Peak – Uncontrolled Environment/General Population								
Measured Mixture Type		5180 MHz Head				Date Tested		Sept 9-12, 2008
		IEEE Target		Measured		Duty Cycle		100%
Dielectric Constant ϵ_r		36.0		9/09	35.4	Ambient Temperature (C)		22
				9/10	36.1			
				9/11	35.6			
				9/12	35.9			
Conductivity σ (mho/m)		IEEE Target		Measured		Fluid Depth		$\geq 15\text{cm}$
		4.66		9/09	4.7	Fluid Temperature (C)		21.6
				9/10	4.88			
				9/11	4.5			
				9/12	4.43			



HEAD SAR MEASUREMENT RESULTS (5240MHz) Band								
Freq (MHz)	Chan	Test Mode	Data Rate	Cond. Pwr. Before (dBm)	Battery Type	Phantom Section	EUT Test Position	Measured SAR 1g (W/kg)
5240	48	a mode	6 Mbps	14.4	Standard	Left Head	Touch	0.482
5240	48	a mode	6 Mbps	14.4	Standard	Left Head	Tilt	0.550
5240	48	a mode	6 Mbps	14.4	Standard	Right Head	Touch	0.423
5240	48	a mode	6 Mbps	14.4	Standard	Right Head	Tilt	0.492
ANSI/IEEE C95.1 1992 – SAFETY LIMIT 1.6 W/kg (averaged over 1 gram) Spatial Peak – Uncontrolled Environment/General Population								
Measured Mixture Type		5240 MHz Head				Date Tested		Sept 9-12, 2008
Dielectric Constant ϵ_r		IEEE Target		Measured		Duty Cycle		100%
		36.0		9/09	35.4	Ambient Temperature (C)		22
				9/10	36.1			
				9/11	35.6			
				9/12	35.9			
Conductivity σ (mho/m)		IEEE Target		Measured		Fluid Depth		$\geq 15\text{cm}$
		4.66		9/09	4.7	Fluid Temperature (C)		21.6
				9/10	4.88			
				9/11	4.5			
				9/12	4.43			



HEAD SAR MEASUREMENT RESULTS (5260MHz) Band								
Freq (MHz)	Chan	Test Mode	Data Rate	Cond. Pwr. Before (dBm)	Battery Type	Phantom Section	EUT Test Position	Measured SAR 1g (W/kg)
5260	52	a mode	6 Mbps	14.1	Standard	Left Head	Touch	0.475
5260	52	a mode	6 Mbps	14.1	Standard	Left Head	Tilt	0.552
5260	52	a mode	6 Mbps	14.1	Standard	Right Head	Touch	0.416
5260	52	a mode	6 Mbps	14.1	Standard	Right Head	Tilt	0.478
ANSI/IEEE C95.1 1992 – SAFETY LIMIT 1.6 W/kg (averaged over 1 gram) Spatial Peak – Uncontrolled Environment/General Population								
Measured Mixture Type		5260 MHz Head				Date Tested		Sept 9-12, 2008
		IEEE Target		Measured		Duty Cycle		100%
Dielectric Constant ϵ_r		36.0		9/09	35.4	Ambient Temperature (C)		22
				9/10	36.1			
				9/11	35.6			
				9/12	35.9			
Conductivity σ (mho/m)		4.66		Measured		Fluid Depth		≥ 15 cm
				9/09	4.7	Fluid Temperature (C)		21.6
				9/10	4.88			
				9/11	4.5			
				9/12	4.43			



HEAD SAR MEASUREMENT RESULTS (5320MHz) Band								
Freq (MHz)	Chan	Test Mode	Data Rate	Cond. Pwr. Before (dBm)	Battery Type	Phantom Section	EUT Test Position	Measured SAR 1g (W/kg)
5320	64	a mode	6 Mbps	13.6	Standard	Left Head	Touch	0.539
5320	64	a mode	6 Mbps	13.6	Standard	Left Head	Tilt	0.597
5320	64	a mode	6 Mbps	13.6	Standard	Right Head	Touch	0.419
5320	64	a mode	6 Mbps	13.6	Standard	Right Head	Tilt	0.447
ANSI/IEEE C95.1 1992 – SAFETY LIMIT 1.6 W/kg (averaged over 1 gram) Spatial Peak – Uncontrolled Environment/General Population								
Measured Mixture Type		5320 MHz Head				Date Tested		Sept 9-12, 2008
		IEEE Target	Measured			Duty Cycle		100%
Dielectric Constant ϵ_r		36.0	9/09	35.4	Ambient Temperature (C)			22
			9/10	36.1				
			9/11	35.6				
			9/12	35.9				
Conductivity σ (mho/m)		IEEE Target	Measured			Fluid Depth		$\geq 15\text{cm}$
		4.66	9/09	4.7	Fluid Temperature (C)			21.6
			9/10	4.88				
			9/11	4.5				
			9/12	4.43				



HEAD SAR MEASUREMENT RESULTS (5520MHz) Band								
Freq (MHz)	Chan	Test Mode	Data Rate	Cond. Pwr. Before (dBm)	Battery Type	Phantom Section	EUT Test Position	Measured SAR 1g (W/kg)
5520	104	a mode	6 Mbps	13.8	Standard	Left Head	Touch	0.660
5520	104	a mode	6 Mbps	13.8	Standard	Left Head	Tilt	0.851
5520	104	a mode	6 Mbps	13.8	Standard	Right Head	Touch	0.621
5520	104	a mode	6 Mbps	13.8	Standard	Right Head	Tilt	0.888
ANSI/IEEE C95.1 1992 – SAFETY LIMIT 1.6 W/kg (averaged over 1 gram) Spatial Peak – Uncontrolled Environment/General Population								
Measured Mixture Type		5520 MHz Head				Date Tested		Sept 9-12, 2008
Dielectric Constant ϵ_r		IEEE Target		Measured		Duty Cycle		100%
		35.6		9/09	34.9	Ambient Temperature (C)		22
				9/10	35.5			
				9/11	35.1			
				9/12	35.5			
Conductivity σ (mho/m)		IEEE Target		Measured		Fluid Depth		$\geq 15\text{cm}$
		4.96		9/09	5.1	Fluid Temperature (C)		21.6
				9/10	5.2			
				9/11	4.8			
				9/12	5.1			



HEAD SAR MEASUREMENT RESULTS (580MHz) Band								
Freq (MHz)	Chan	Test Mode	Data Rate	Cond. Pwr. Before (dBm)	Battery Type	Phantom Section	EUT Test Position	Measured SAR 1g (W/kg)
5580	116	a mode	6 Mbps	14.2	Standard	Left Head	Touch	0.884
5580	116	a mode	6 Mbps	14.2	Standard	Left Head	Tilt	1.13
5580	116	a mode	6 Mbps	14.2	Standard	Right Head	Touch	0.870
5580	116	a mode	6 Mbps	14.2	Standard	Right Head	Tilt	1.24
5580	116	a mode	6 Mbps	14.2	Extended	Right Head	Tilt	1.03
ANSI/IEEE C95.1 1992 – SAFETY LIMIT 1.6 W/kg (averaged over 1 gram) Spatial Peak – Uncontrolled Environment/General Population								
Measured Mixture Type		5580 MHz Head			Date Tested		Sept 9-12, 2008	
Dielectric Constant ϵ_r		IEEE Target	Measured		Duty Cycle		100%	
		35.6	9/09	34.9	Ambient Temperature (C)		22	
			9/10	35.5				
			9/11	35.1				
			9/12	35.5				
Conductivity σ (mho/m)		IEEE Target	Measured		Fluid Depth		$\geq 15\text{cm}$	
		4.96	9/09	5.1	Fluid Temperature (C)		21.6	
			9/10	5.2				
			9/11	4.8				
			9/12	5.1				



HEAD SAR MEASUREMENT RESULTS (5620MHz) Band								
Freq (MHz)	Chan	Test Mode	Data Rate	Cond. Pwr. Before (dBm)	Battery Type	Phantom Section	EUT Test Position	Measured SAR 1g (W/kg)
5620	124	a mode	6 Mbps	14.2	Standard	Left Head	Touch	0.993
5620	124	a mode	6 Mbps	14.2	Standard	Left Head	Tilt	1.21
5620	124	a mode	6 Mbps	14.2	Standard	Right Head	Touch	0.955
5620	124	a mode	6 Mbps	14.2	Standard	Right Head	Tilt	1.08
ANSI/IEEE C95.1 1992 – SAFETY LIMIT 1.6 W/kg (averaged over 1 gram) Spatial Peak – Uncontrolled Environment/General Population								
Measured Mixture Type		5620 MHz Head				Date Tested		Sept 9-12, 2008
Dielectric Constant ϵ_r		IEEE Target		Measured		Duty Cycle		100%
		35.6		9/09	34.9	Ambient Temperature (C)		22
				9/10	35.5			
				9/11	35.1			
				9/12	35.5			
Conductivity σ (mho/m)		IEEE Target		Measured		Fluid Depth		$\geq 15\text{cm}$
		4.96		9/09	5.1	Fluid Temperature (C)		21.6
				9/10	5.2			
				9/11	4.8			
				9/12	5.1			



HEAD SAR MEASUREMENT RESULTS (5680MHz) Band								
Freq (MHz)	Chan	Test Mode	Data Rate	Cond. Pwr. Before (dBm)	Battery Type	Phantom Section	EUT Test Position	Measured SAR 1g (W/kg)
5680	136	a mode	6 Mbps	12.5	Standard	Left Head	Touch	0.743
5680	136	a mode	6 Mbps	12.5	Standard	Left Head	Tilt	1.04
5680	136	a mode	6 Mbps	12.5	Standard	Right Head	Touch	0.793
5680	136	a mode	6 Mbps	12.5	Standard	Right Head	Tilt	0.887
ANSI/IEEE C95.1 1992 – SAFETY LIMIT 1.6 W/kg (averaged over 1 gram) Spatial Peak – Uncontrolled Environment/General Population								
Measured Mixture Type		5680 MHz Head			Date Tested		Sept 9-12, 2008	
Dielectric Constant ϵ_r		IEEE Target	Measured		Duty Cycle		100%	
		35.6	9/09	34.9	Ambient Temperature (C)		22	
			9/10	35.5				
			9/11	35.1				
			9/12	35.5				
Conductivity σ (mho/m)		IEEE Target	Measured		Fluid Depth		$\geq 15\text{cm}$	
		4.96	9/09	5.1	Fluid Temperature (C)		21.6	
			9/10	5.2				
			9/11	4.8				
			9/12	5.1				



HEAD SAR MEASUREMENT RESULTS (5745MHz) Band								
Freq (MHz)	Chan	Test Mode	Data Rate	Cond. Pwr. Before (dBm)	Battery Type	Phantom Section	EUT Test Position	Measured SAR 1g (W/kg)
5745	149	a mode	6 Mbps	11.8	Standard	Left Head	Touch	1.02
5745	149	a mode	6 Mbps	11.8	Standard	Left Head	Tilt	1.07
5745	149	a mode	6 Mbps	11.8	Standard	Right Head	Touch	0.727
5745	149	a mode	6 Mbps	11.8	Standard	Right Head	Tilt	0.829
ANSI/IEEE C95.1 1992 – SAFETY LIMIT 1.6 W/kg (averaged over 1 gram) Spatial Peak – Uncontrolled Environment/General Population								
Measured Mixture Type		5745 MHz Head			Date Tested		Sept 9-12, 2008	
		IEEE Target	Measured		Duty Cycle		100%	
Dielectric Constant ϵ_r		35.3	9/09	34.3	Ambient Temperature (C)		22	
			9/10	35.0				
			9/11	34.6				
			9/12	34.9				
Conductivity σ (mho/m)		IEEE Target	Measured		Fluid Depth		$\geq 15\text{cm}$	
		5.27	9/09	5.4	Fluid Temperature (C)		21.6	
			9/10	5.6				
			9/11	5.16				
			9/12	5.08				



HEAD SAR MEASUREMENT RESULTS (5805MHz) Band								
Freq (MHz)	Chan	Test Mode	Data Rate	Cond. Pwr. Before (dBm)	Battery Type	Phantom Section	EUT Test Position	Measured SAR 1g (W/kg)
5805	161	a mode	6 Mbps	12.2	Standard	Left Head	Touch	0.896
5805	161	a mode	6 Mbps	12.2	Standard	Left Head	Tilt	0.959
5805	161	a mode	6 Mbps	12.2	Standard	Right Head	Touch	0.647
5805	161	a mode	6 Mbps	12.2	Standard	Right Head	Tilt	0.817
ANSI/IEEE C95.1 1992 – SAFETY LIMIT 1.6 W/kg (averaged over 1 gram) Spatial Peak – Uncontrolled Environment/General Population								
Measured Mixture Type		5805 MHz Head			Date Tested		Sept 9-12, 2008	
Dielectric Constant ϵ_r		IEEE Target		Measured		Duty Cycle		100%
		35.3		9/09	34.3	Ambient Temperature (C)		22
				9/10	35.0			
				9/11	34.6			
				9/12	34.9			
Conductivity σ (mho/m)		IEEE Target		Measured		Fluid Depth		$\geq 15\text{cm}$
		5.27		9/09	5.4	Fluid Temperature (C)		21.6
				9/10	5.6			
				9/11	5.16			
				9/12	5.08			



BODY SAR MEASUREMENT RESULTS (5150-5250MHz) Band									
Freq (MHz)	Chan	Test Mode	Data Rate	Cond. Pwr. Before (dBm)	Battery Type	Phantom Section	Accessory	Position	Measured SAR 1g (W/kg)
5180	36	a mode	6 Mbps	14.5	Standard	Planar	Plastic Holster	Body	0.322
5240	48	a mode	6 Mbps	14.4	Standard	Planar	Plastic Holster	Body	0.314
5260	52	a mode	6 Mbps	14.1	Standard	Planar	Plastic Holster	Body	0.290
5320	64	a mode	6 Mbps	13.4	Standard	Planar	Plastic Holster	Body	0.269
5520	104	a mode	6 Mbps	13.8	Standard	Planar	Plastic Holster	Body	0.541
5580	116	a mode	6 Mbps	14.2	Standard	Planar	Plastic Holster	Body	0.762
5620	124	a mode	6 Mbps	14.2	Standard	Planar	Plastic Holster	Body	0.768
5620	124	a mode	6 Mbps	14.2	Extended	Planar	Plastic Holster	Body	0.693
5620	124	a mode	6 Mbps	14.2	Standard	Planar	Leather Holster	Body	0.214
5680	136	a mode	6 Mbps	12.5	Standard	Planar	Plastic Holster	Body	0.491
5745	149	a mode	6 Mbps	11.1	Standard	Planar	Plastic Holster	Body	0.360
5805	161	a mode	6 Mbps	12.2	Standard	Planar	Plastic Holster	Body	0.266
ANSI/IEEE C95.1 1992 – SAFETY LIMIT 1.6 W/kg (averaged over 1 gram) Spatial Peak – Uncontrolled Environment/General Population									
Measured Mixture Type			5200-5500-5800 MHz Body			Date Tested			Sept 15 2008
Dielectric Constant ϵ_r			Freq. (MHz)	IEEE Target	Measured	Duty Cycle			100%
			5200	49.0	47.0	Ambient Temperature (C)			22
			5500	48.6	46.6				
			5800	48.2	45.9				
Conductivity σ (mho/m)			Freq. (MHz)	IEEE Target	Measured	Fluid Temperature (C)			21.6
			5200	5.30	5.1	Fluid Depth			$\geq 15\text{cm}$
			5500	5.65	5.5				
			5800	6	5.9				



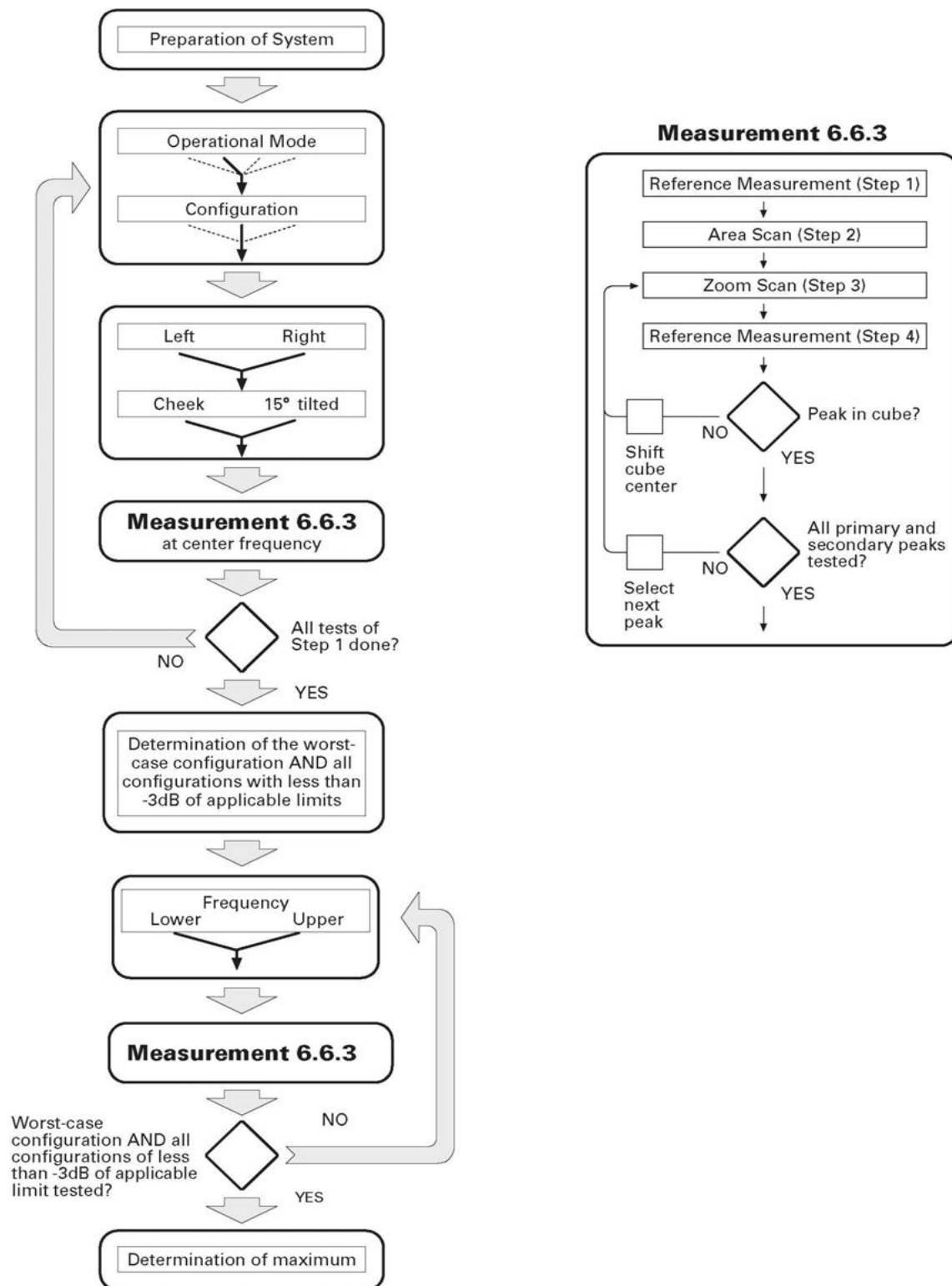
DETAILS OF SAR EVALUATION

The Cisco Systems CP-7921G 802.11abg Phone was determined to be compliant for localized Specific Absorption Rate based on the test provisions and conditions described below.

1. The EUT was tested for both head and body SAR. For the head SAR both touch and tilt positions were measured on the left and right side of the SAM phantom. The position which produced the highest SAR was re-measured with the extended battery. The EUT was tested for body worn configurations with a plastic and leather holster. The EUT was evaluated for SAR with both the standard and extended batteries.
2. The EUT was placed into a test mode using Cisco's protocol software.
3. The EUT was tested with and without the Bluetooth on for 2.4GHz body only. Both the WLAN and the Bluetooth share the same antenna.
4. The SAR evaluations were performed with a fully charged battery.
5. The EUT's RF power was measured before each SAR test using a Spectrum Analyzer. The measured drift during the SAR tests were used to determine if the conducted power stayed within the allowable limits.
6. The dielectric parameters of the simulated body fluid were measured prior to the evaluation using an 85070D Dielectric Probe Kit and an 8722D Network Analyzer.
7. The fluid and air temperature was measured prior to and after each SAR evaluation to ensure the temperature remained within ± 2 deg C of the temperature of the fluid when the dielectric properties were measured.
8. During the SAR evaluations if a distribution produced several hotspots over the course of the area scan, each hotspot was evaluated separately.



FLOW CHART OF THE RECOMMENDED PRACTICES AND PROCEDURES



EAR Reference Point

Figure 12.1 shows the front, back and side views of the SAM Twin Phantom. The point M is the reference point for the center of the mouth, LE is the left ear reference point (ERP), and RE is the right ERP. The ERPs are 15mm posterior to the entrance to the ear canal (EEC) along the B-M line (Back-Mouth), as shown in Figure 12.2. The plane passing through the two ear canals and M is defined as the Reference Plane. The line N-F (Neck-Front) is perpendicular to the reference plane and passing through the RE (or LE) is called the Reference Pivoting. Line B-M is perpendicular to the N-F line. Both N-F and B-M lines are marked on the external phantom shell to facilitate handset positioning.



Figure 12.1
Front, back and side view of SAM Twin Phantom

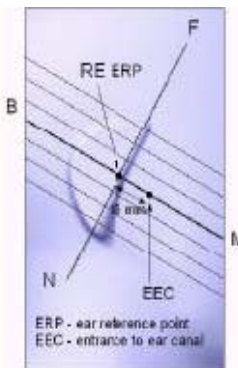


Figure 12.2
Side view of ERPs

HANDSET REFERENCE POINTS

Two imaginary lines on the handset were established: the vertical centerline and the horizontal line. The test device was placed in a normal operating position with the test device reference point located along the vertical centerline on the front of the device aligned to the ear reference point (See Fig. 12.3). The test device reference point was then located at the same level as the center of the ear reference point. The test device was positioned so that the vertical centerline was bisecting the front surface of the handset at its top and bottom edges, positioning the ear reference point on the outer surface of the both the left and right head phantoms on the ear reference point.

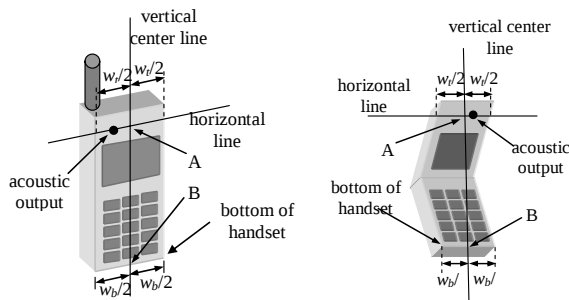


Figure 12.3
Handset Vertical Center & Horizontal Line Reference Points

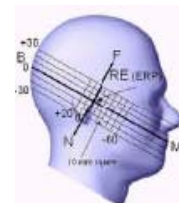


POSITIONING FOR CHEEK/TOUCH

1. The test device was positioned with the handset close to the surface of the phantom such that point A is on the (virtual) extension of the line passing through points RE and LE on the phantom, such that the plane defined by the vertical center line and the horizontal line of the phone is approximately parallel to the sagittal plane of the phantom.
2. The handset was translated towards the phantom along the line passing through RE & LE until the handset touches the ear.
3. While maintaining the handset in this plane, the handset was rotated around the LE-RE line until the vertical centerline was in the plane normal to MB-NF including the line MB (reference plane).
4. The phone was then rotated around the vertical centerline until the phone (horizontal line) was symmetrical with respect to the line NF.
5. While maintaining the vertical centerline in the reference plane, keeping point A on the line passing through RE and LE, and maintaining the phone contact with the ear, the handset was rotated about the line NF until any point on the handset made contact with a phantom point below the ear (cheek). See Figure 12.5)



Front, Side and Top View of Cheek/Touch Position



Side view with relevant markings

POSITIONING FOR EAR/15 DEGREE TILT

With the test device aligned in the Cheek/Touch Position:

1. While maintaining the orientation of the phone, the phone was retracted parallel to the reference plane far enough to enable a rotation of the phone by 15 degree.
2. The phone was then rotated around the horizontal line by 15 degree.
3. While maintaining the orientation of the phone, the phone was moved parallel to the reference plane until any part of the phone touches the head. (In this position, point A was located on the line RE-LE). The tilted position is obtained when the contact is on the pinna. If the contact was at any location other than the pinna, the angle of the phone would then be reduced. The tilted position was obtained when any part of the phone was in contact of the ear as well as a second part of the phone was in contact with the head.



Front, Side and Top View of Ear/15 Tilt Position



EVALUATION PROCEDURES

The evaluation was performed in the applicable area of the phantom depending on the type of device being tested.

- (i) For devices held to the ear during normal operation, both the left and right ear positions were evaluated using the SAM phantom.
- (ii) For body-worn and face-held devices a planar phantom was used.

The SAR was determined by a pre-defined procedure within the DASY4 software. Upon completion of a reference check, the exposed region of the phantom was scanned near the inner surface with a grid spacing of 15mm x 15mm.

An area scan was determined as follows:

Based on the defined area scan grid, a more detailed grid is created to increase the points by a factor of 10. The interpolation function then evaluates all field values between corresponding measurement points.

A linear search is applied to find all the candidate maxima. Subsequently, all maxima are removed that are >2 dB from the global maximum. The remaining maxima are then used to position the cube scans.

A 1g and 10g spatial peak SAR was determined as follows:

For frequencies $\leq 4.5\text{GHz}$ a 32mm x 32mm x 34mm (7x7x7 data points) zoom scan was assessed at the position where the greatest V/m was detected. For frequencies $\geq 4.5\text{GHz}$ a 28mm x 28mm x 24mm (7x7x9 data points) zoom scan was assessed at the position where the greatest V/m was detected. The data at the surface was extrapolated since the distance from the probes sensors to the surface is 3.9cm. A least squares fourth-order polynomial was used to generate points between the probe detector and the inner surface of the phantom.

Interpolated data is used to calculate the average SAR over 1g and 10g cubes by spatially discretizing the entire measured cube. The volume used to determine the averaged SAR is a 1mm grid (42875 interpolated points).

Z-Scan was determined as follows:

The Z-scan measures points along a vertical straight line. The line runs along a line normal to the inner surface of the phantom surface.



DATA EVALUATION PROCEDURES

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

Probe Parameters:	- Sensitivity	$Norm_i, a_{i0}, a_{i1}, a_{i2}$
	- Conversion Factor	$ConvF_i$
	- Dipole Compression Point	dcp_i
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 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:

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

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

with V_i = Compensated signal of channel i (i = x, y, z)
 $Norm_i$ = Sensor sensitivity of channel i (i = x, y, z)
 $\mu V/(V/m)^2$ for E-field probes
 $ConvF$ = Sensitivity enhancement in solution
 a_{ij} = Sensor sensitivity factors for H-field probes
 f = Carrier frequency (GHz)
 E_i = Electric field strength of channel i in V/m
 H_i = Magnetic field strength of channel i in A/m



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

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

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

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

with SAR = local specific absorption rate in mW/g

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

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

ρ = equivalent tissue density in g/cm³

Note that the density is normally set to 1 (or 1.06), to account for actual brain density rather than the density of the simulation liquid.

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

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

with P_{pwe} = Equivalent power density of a plane wave in mW/cm²

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

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

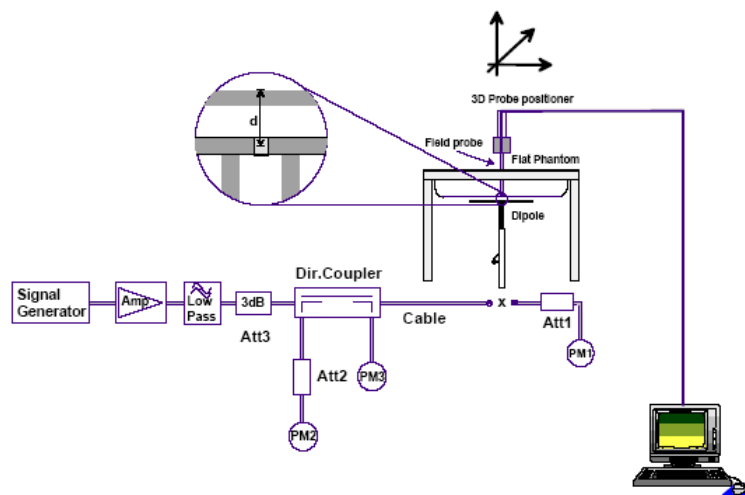


SYSTEM PERFORMANCE CHECK

Prior to the SAR evaluation a system check was performed in the planar section of the SAM phantom with a 2450MHz dipole and a 5-6GHz dipole. The dielectric parameters of the simulated brain fluid were measured prior to the system performance check using an 85070D Dielectric Probe Kit and an 8722D Network Analyzer. A forward power of 250mW was applied to the dipole and the system was verified to a tolerance of +10%. All results were normalized to 1W.

Test Date	Fluid Type (MHz)	SAR 1g (W/kg)		Permittivity Constant ϵ_r		Conductivity σ (mho/m)		Ambient Temp. (C)	Fluid Temp. (C)	Fluid Depth (cm)
		Calibrated Target	Measured	IEEE Target	Measured	IEEE Target	Measured			
09/21/06	5200 Head	89.2 $\pm$ 5%	85.6	36.0 $\pm$ 5%	37.2	4.66 $\pm$ 10%	4.50	22.0	21.6	$\geq$ 15
09/21/06	5500 Head	83.6 $\pm$ 5%	81.2	35.6 $\pm$ 5%	37.2	4.96 $\pm$ 10%	4.95	22.0	21.6	$\geq$ 15
09/21/06	5800 Head	82.0 $\pm$ 5%	79.6	35.3 $\pm$ 5%	37.0	5.27 $\pm$ 10%	5.15	22.0	21.6	$\geq$ 15
09/22/06	5200 Body	68.0 $\pm$ 5%	68.4	49.0 $\pm$ 5%	48.6	5.30 $\pm$ 10%	5.33	22.0	21.6	$\geq$ 15
09/22/06	5500 Body	67.2 $\pm$ 5%	68.8	48.6 $\pm$ 5%	47.5	6.00 $\pm$ 10%	6.18	22.0	21.6	$\geq$ 15
09/22/06	5800 Body	64.8 $\pm$ 5%	65.2	48.6 $\pm$ 5%	47.5	6.00 $\pm$ 10%	6.18	22.0	21.6	$\geq$ 15
09/27/06	2450 Head	58.4 $\pm$ 5%	57.6	39.2 $\pm$ 5%	40.6	1.80 $\pm$ 10%	1.88	22.6	21.7	$\geq$ 15

Note: The ambient and fluid temperatures were measured prior to the fluid parameter check and the system performance check. The temperatures listed in the table above were consistent for all measurement periods.





SIMULATED EQUIVALENT TISSUES

Simulated Tissue Mixture (Proprietary)	
Ingredient	5-6GHz Head and Body
Water	60-78%
Salt	0.4-3.0%
Emulsifiers	0.5-15.0
Mineral Oil	11.0-36.0

Simulated Tissue Mixture		
Ingredient	2450MHz Head	2450MHz Body
Water	46.7%	73.3%
DGMBE	53.3%	26.7%



SAR SAFETY LIMITS

EXPOSURE LIMITS	SAR (W/kg)	
	(General Population / Uncontrolled Exposure Environment)	(Occupational / Controlled Exposure Environment)
Spatial Average (averaged over the whole body)	0.08	0.4
Spatial Peak (averaged over any 1g of tissue)	1.60	8.0
Spatial Peak (hands/wrists/feet/ankles averaged over 10g)	4.0	20.0

Notes:

1. Uncontrolled exposure environments are locations where there is potential exposure of individuals who have no knowledge or control of their potential exposure.
2. Controlled exposure environments are locations where there is potential exposure of individuals who have knowledge of their potential exposure and can exercise control over their exposure



ROBOT SYSTEM SPECIFICATIONS

1.1. SPECIFICATIONS

Positioner:

Robot:	Staubli Unimation Corp. Robot Model: RX90
Repeatability:	0.02 mm
No. of axis:	6

1.2. DATA ACQUISITION ELECTRONIC (DAE) SYSTEM:

Cell Controller

Processor:	Compaq Evo
	Clock Speed: 2.4 GHz
	Operating System: Windows XP Professional

Data Converter

Features:	Signal Amplifier, multiplexer, A/D converter, and control logic
Software:	DASY4 software
Connecting Lines:	Optical downlink for data and status info. Optical uplink for commands and clock

Dasy4 Measurement Server

Function:	Real-time data evaluation for field measurements and surface detection
Hardware:	PC/104 166MHz Pentium CPU; 32 MB chipdisk; 64 MB RAM
Connections:	COM1, COM2, DAE, Robot, Ethernet, Service Interface

E-Field Probe

Model:	ET3DV6
Serial No.:	1793
Construction:	Triangular core fiber optic detection system
Frequency:	10 MHz to 6 GHz
Linearity:	± 0.2 dB (30 MHz to 3 GHz)

EX-Probe

Model:	EX3DV3
Serial No.	3511
Construction:	Triangular core
Frequency:	10 MHz to > 6 GHz
Linearity:	± 0.2 dB (30 MHz to 3 GHz)

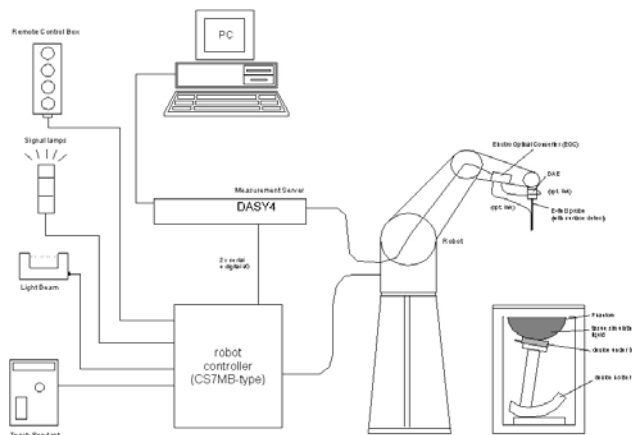
1.3. PHANTOM(S):

Validation & Evaluation Phantom

Type:	SAM V4.0C
Shell Material:	Fiberglass
Thickness:	2.0 $\pm$ 0.1 mm
Volume:	Approx. 20 liters



SAR Measurement System



Measurement System Diagram

1.4. RX90BL ROBOT

The Stäubli RX90BL Robot is a standard high precision 6-axis robot with an arm extension for accommodating the data acquisition electronics (DAE).

1.5. ROBOT CONTROLLER

The CS7MB Robot Controller system drives the robot motors. The system consists of a power supply, robot controller, and remote control with teach pendant and additional circuitry for robot safety such as warning lamps, etc.

1.6. LIGHT BEAM SWITCH

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



1.7. DATA ACQUISITION ELECTRONICS

The Data Acquisition Electronics consists of a highly sensitive electrometer grade preamplifier with auto-zeroing, a channel and gain switching multiplexer, a fast 16-bit A/D converter and a command decoder and control logic unit. Some of the task the DAE performs is signal amplification, signal multiplexing, A/D conversion, and offset measurements. The DAE also contains the mechanical probe-mounting device, which contains two different sensor systems for frontal and sideways probe contacts used for probe collision detection and mechanical surface detection for controlling the distance between the probe and the inner surface of the phantom shell. Transmission from the DAE to the measurement server, via the EOC, is through an optical downlink for data and status information as well as an optical uplink for commands and the clock.





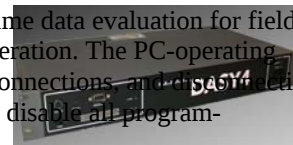
1.8. ELECTO-OPTICAL CONVERTER (EOC)

The Electro-Optical Converter performs the conversion between the optical and electrical of the signals for the digital communication to the DAE and for the analog signal from the optical surface detection. The EOC connects to, and transfers data to, the DASY4 measurement server. The EOC also contains the fiber optical surface detection system for controlling the distance between the probe and the inner surface of the phantom shell.



1.9. MEASUREMENT SERVER

The Measurement Server performs time critical tasks such as signal filtering, all real-time data evaluation for field measurements and surface detection, controls robot movements, and handles safety operation. The PC-operating system cannot interfere with these time critical processes. A watchdog supervises all connections, and disconnection of any of the cables to the measurement server will automatically disarm the robot and disable all program-controlled robot movements.



1.10. DOSIMETRIC PROBE

Dosimetric Probe is a symmetrical design with triangular core that incorporates three 3 mm long dipoles arranged so that the overall response is close to isotropic. The probe sensors are covered by an outer protective shell, which is resistant to organic solvents i.e. glycol. The probe is equipped with an optical multi-fiber line, ending at the front of the probe tip, for optical surface detection. This line connects to the EOC box on the robot arm and provides automatic detection of the phantom surface. The optical surface detection works in transparent liquids and on diffuse reflecting surfaces with a repeatability of better than $\pm 0.1\text{mm}$.



1.11. SAM PHANTOM

The SAM (Specific Anthropomorphic Mannequin) twin phantom is a fiberglass shell phantom with 2mm shell thickness (except the ear region where shell thickness increases to 6mm) integrated into a wooden table. The shape of the shell corresponds to the phantom defined by SCC34-SC2. It enables the dosimetric evaluation of left hand, right hand phone usage as well as body mounted usage at the flat phantom region. The flat section is also used for system validation and the length and width of the flat section are at least $0.75 \lambda_0$ and $0.6 \lambda_0$ respectively at frequencies of 824 MHz and above (λ_0 = wavelength in air).

Reference markings on the phantom top allow the complete setup of all predefined phantom positions and measurement grids by manually teaching three points in the robot. A white cover is provided to cover the phantom during off-periods preventing water evaporation and changes in the liquid parameters. Free space scans of devices on the cover are possible. The phantom is filled with a tissue simulating liquid to a depth of at least 15 cm at each ear reference point. The bottom plate of the wooden table contains three pair of bolts for locking the device holder.



1.12. PLANAR PHANTOM

The planar phantom is constructed of Plexiglas material with a 2.0 mm shell thickness for face-held and body-worn SAR evaluations of handheld radio transceivers. The planar phantom is mounted on the wooden table of the DASY4 system.

1.13. VALIDATION PLANAR PHANTOM

The validation planar phantom is constructed of Plexiglas material with a 6.0 mm shell thickness for system validations at 450MHz and below. The validation planar phantom is mounted on the wooden table of the DASY4 system.



1.14. DEVICE HOLDER

The device holder is designed to cope with the different measurement positions in the three section phantom given in the standard. It has two scales, one for device rotation (with respect to the body) and one for device inclination (with respect to the line between the ear openings). The rotation center for both scales is the same, thus the device needs no repositioning when changing the angles. The plane between the mouth and the mouth tip has a rotation angle of 65°.

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



The dielectric properties of the liquid conform to all the tabulated values [2-5]. Liquids are prepared according to Annex A and dielectric properties are measured according to Annex B.

1.15. SYSTEM VALIDATION KITS

Power Capability: $> 100 \text{ W}$ ($f < 1\text{GHz}$); $> 40 \text{ W}$ ($f > 1\text{GHz}$)

Construction: Symmetrical dipole with 1/4 balun Enables measurement of feed point impedance with NWA Matched for use near flat phantoms filled with brain simulating solutions Includes distance holder and tripod adaptor.

Frequency: 300, 450, 835, 1900, 2450 MHz, 5-6GHz

Return loss: $>20 \text{ dB}$ at specified validation position

Dimensions:

300 MHz Dipole:	Length: 396mm; Overall Height:430 mm; Diameter: 6 mm
450 MHz Dipole:	Length: 270 mm; Overall Height: 347 mm; Diameter: 6 mm
835 MHz Dipole:	Length: 161 mm; Overall Height: 270 mm; Diameter: 3.6 mm
1900 MHz Dipole:	Length: 68 mm; Overall Height: 219 mm; Diameter: 3.6 mm
2450 MHz Dipole:	Length: 51.5 mm; Overall Height: 300 mm; Diameter: 3.6 mm
5-6GHz Dipole:	Length: 26.0 mm; Overall Height: 170 mm; Diameter: 3.6 mm





TEST EQUIPMENT LIST

Test Equipment	Serial Number	Calibration Date
DASY4 System Robot EX3DV3 DAE3 2450MHz Dipole 5500MHz Dipole SAM Phantom V4.0C EUT Planar Phantom Validation Phantom	FO3/SX19A1/A/01 3511 584 1S2452 1S2571 N/A N/A N/A	N/A May 2008 April 2007 August 2008 August 2008 N/A N/A N/A
85070D Dielectric Probe Kt	N/A	N/A
83650B Signal Generator	3844A00910	June 200
HP E4418B Power Meter	GB40205140	October 2007
Agilent E4407B	MY45102898	March 2008
HP 8482A Power Sensor	2607A11286	October 2007
HP 8722D Vector Network Analyzer	3S36140188	March 2008
Anritsu Power Meter ML2488A	6K00001832	March 2008
Anritsu Power Sensor	030864	March 2008
Mini-Circuits Power Amplifier	N902400810	N/A



MEASUREMENT UNCERTAINTIES

UNCERTAINTY ASSESSMENT 300MHz-3GHz

Error Description	Tol. ±%	Prob. Dist.	Div.	C_i 1g	C_i 10g	Std Unc ±% (1g)	Std Unc ±% (10g)	v_i or v_{eff}
Measurement System								
Probe calibration	4.8	N	1	1	1	4.8	4.8	∞
Axial isotropy of the probe	4.7	R	√3	0.7	0.7	1.9	1.9	∞
Spherical isotropy of the probe	9.6	R	√3	0.7	0.7	3.9	3.9	∞
Boundary effects	1.0	R	√3	1	1	4.8	4.8	∞
Probe linearity	4.7	R	√3	1	1	2.7	2.7	∞
Detection limit	1.0	R	√3	1	1	0.6	0.6	∞
Readout electronics	1.0	N	1	1	1	1.0	1.0	∞
Response time	0.8	R	√3	1	1	0.5	0.5	∞
Integration time	2.6	R	√3	1	1	0.8	0.8	∞
RF ambient conditions	3.0	R	√3	1	1	0.43	0.43	∞
Mech. constraints of robot	0.4	R	√3	1	1	0.2	0.2	∞
Probe positioning	2.9	R	√3	1	1	1.7	1.7	∞
Extrapolation & integration	1.0	R	√3	1	1	2.3	2.3	∞
Test Sample Related								
Device positioning	2.9	N	1	1	1	2.23	2.23	145
Device holder uncertainty	3.6	N	1	1	1	5.0	5.0	5
Power drift	5.0	R	√3			2.9	2.9	∞
Phantom and Setup								
Phantom uncertainty	4.0	R	√3	1	1	2.3	2.3	∞
Liquid conductivity (target)	5.0	R	√3	0.64	0.43	1.8	1.2	∞
Liquid conductivity (measured)	2.5	N	1	0.64	0.43	1.6	1.1	∞
Liquid permittivity (target)	5.0	R	√3	0.6	0.5	1.7	1.4	∞
Liquid permittivity (measured)	2.5	N	1	0.6	0.5	1.5	1.2	∞
Combined Standard Uncertainty (k=1)		RSS				10.3	10.0	
Expanded Uncertainty (k=2) 95% Confidence Level						20.6	20.1	

Table: Worst-case uncertainty for DASY4 assessed according to IEEE P1528.

The budget is valid for the frequency range 300MHz to 3GHz and represents a worst-case analysis.



UNCERTAINTY ASSESSMENT 3-6GHz

Error Description	Tol. ±%	Prob. Dist.	Div.	C_i 1g	C_i 10g	Std Unc ±% (1g)	Std Unc ±% (10g)	V_i or V_{eff}
Measurement System								
Probe calibration	4.8	N	1	1	1	8.3	8.3	∞
Axial isotropy of the probe	4.7	R	√3	0.7	0.7	1.9	1.9	∞
Spherical isotropy of the probe	9.6	R	√3	0.7	0.7	3.9	3.9	∞
Boundary effects	1.0	R	√3	1	1	0.6	0.6	∞
Probe linearity	4.7	R	√3	1	1	2.7	2.7	∞
Detection limit	1.0	R	√3	1	1	0.6	0.6	∞
Readout electronics	1.0	N	1	1	1	1.0	1.0	∞
Response time	0.8	R	√3	1	1	0.5	0.5	∞
Integration time	2.6	R	√3	1	1	1.5	1.5	∞
RF ambient conditions	3.0	R	√3	1	1	1.7	1.7	∞
Mech. constraints of robot	0.4	R	√3	1	1	0.2	0.2	∞
Probe positioning	2.9	R	√3	1	1	1.7	1.7	∞
Extrapolation & integration	1.0	R	√3	1	1	0.6	0.6	∞
Test Sample Related								
Device positioning	2.9	N	1	1	1	2.9	2.9	145
Device holder uncertainty	3.6	N	1	1	1	3.6	3.6	5
Power drift	5.0	R	√3			2.9	2.9	∞
Phantom and Setup								
Phantom uncertainty	4.0	R	√3	1	1	2.3	2.3	∞
Liquid conductivity (target)	5.0	R	√3	0.64	0.43	1.8	1.2	∞
Liquid conductivity (measured)	2.5	N	1	0.64	0.43	1.6	1.1	∞
Liquid permittivity (target)	5.0	R	√3	0.6	0.5	1.7	1.4	∞
Liquid permittivity (measured)	2.5	N	1	0.6	0.5	1.5	1.2	∞
Combined Standard Uncertainty (k=1)		RSS				12.3	12.1	
Expanded Uncertainty (k=2)						24.6	24.2	
95% Confidence Level								

Table: Worst-case uncertainty for DASY4 assessed according to IEEE P1528.

The budget is valid for the frequency range 3-6GHz and represents a worst-case analysis.



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EUT PHOTOS



Front of EUT



Back of EUT



EUT Label



EUT in Leather Holster



Side View of Leather Holster with belt clip



Standard and extended batteries inside View



Standard and extended batteries outside View



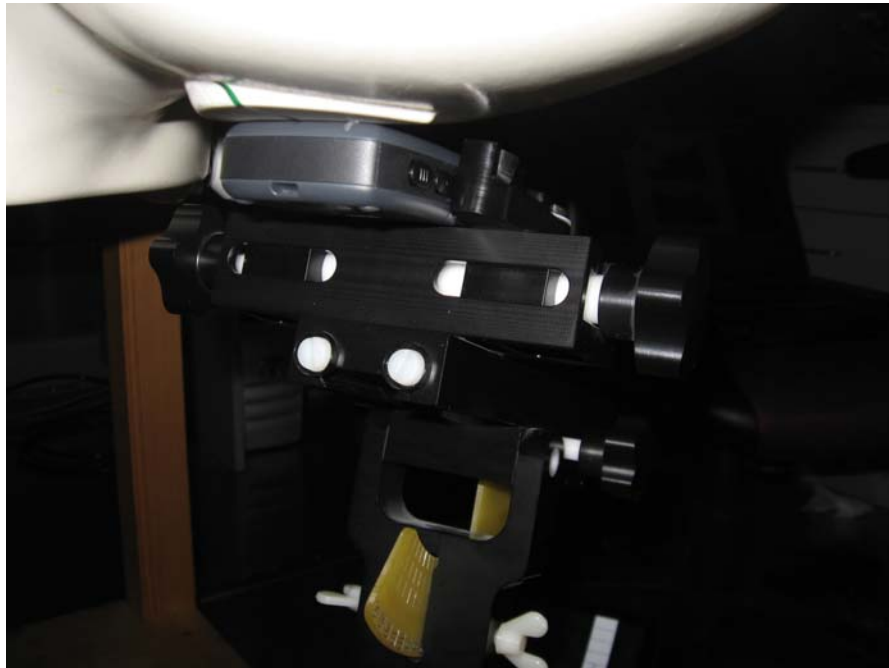
Plastic Holster Front and Rear View



EUT Mounted in Plastic Holster



TEST SET-UP



Right Hand Tilt Position



Right Hand Touch Position



Left Hand Touch Position



Left Hand Tilt Position



Body Worn Position with Leather Holster



Body Worn Position with Plastic Holster



APPENDIX A - SAR MEASUREMENT DATA

2437MHz Left Head Touch B-mode

Date/Time: 9/8/2008 12:33:05 PM

DUT: Cisco; Type: CP-7925G

Medium Notes: ambient temp: 22.5 deg C, Fluid Temp 22.0 deg C.

Communication System: DTS ; ; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium: HSL2437 Medium parameters used: $f = 2437$ MHz; $\sigma = 1.85$ mho/m; $\epsilon_r = 38.3$; $\rho = 1000$ kg/m³

Phantom section: Left Section

- Probe: EX3DV3 - SN3511; ConvF(7.67, 7.67, 7.67); Calibrated: 5/16/2008
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn584; Calibrated: 4/2/2007
- Phantom: SAM with CRP; Type: SAM; Serial: TP 1310
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

Area Scan (61x121x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.168 mW/g

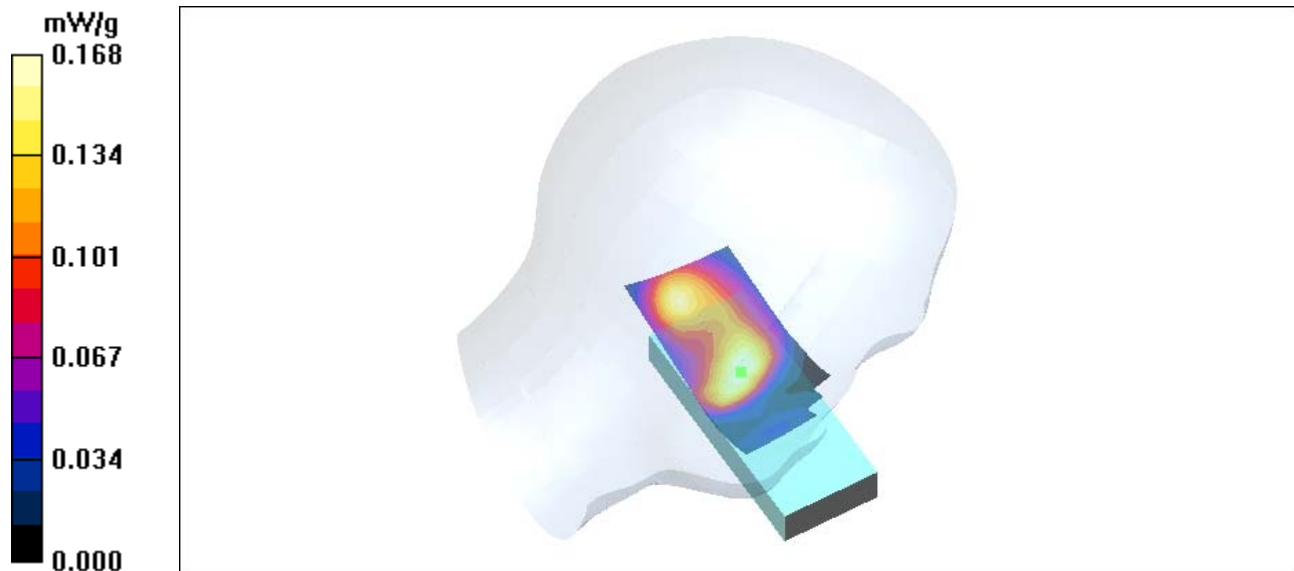
Zoom Scan (7x7x11)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm

Reference Value = 8.13 V/m; Power Drift = 0.039 dB

Peak SAR (extrapolated) = 0.231 W/kg

SAR(1 g) = 0.142 mW/g; SAR(10 g) = 0.082 mW/g

Maximum value of SAR (measured) = 0.171 mW/g



2437MHz Left Head Tilt B-mode

Date/Time: 9/8/2008 12:56:36 PM

DUT: Cisco; Type: CP-7925G

Medium Notes: ambient temp: 22.5 deg C, Fluid Temp 22.0 deg C.

Communication System: DTS ; ; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium: HSL2437 Medium parameters used: $f = 2437$ MHz; $\sigma = 1.85$ mho/m; $\epsilon_r = 38.3$; $\rho = 1000$ kg/m³

Phantom section: Left Section

- Probe: EX3DV3 - SN3511; ConvF(7.67, 7.67, 7.67); Calibrated: 5/16/2008
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn584; Calibrated: 4/2/2007
- Phantom: SAM with CRP; Type: SAM; Serial: TP 1310
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

Area Scan (61x121x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.241 mW/g

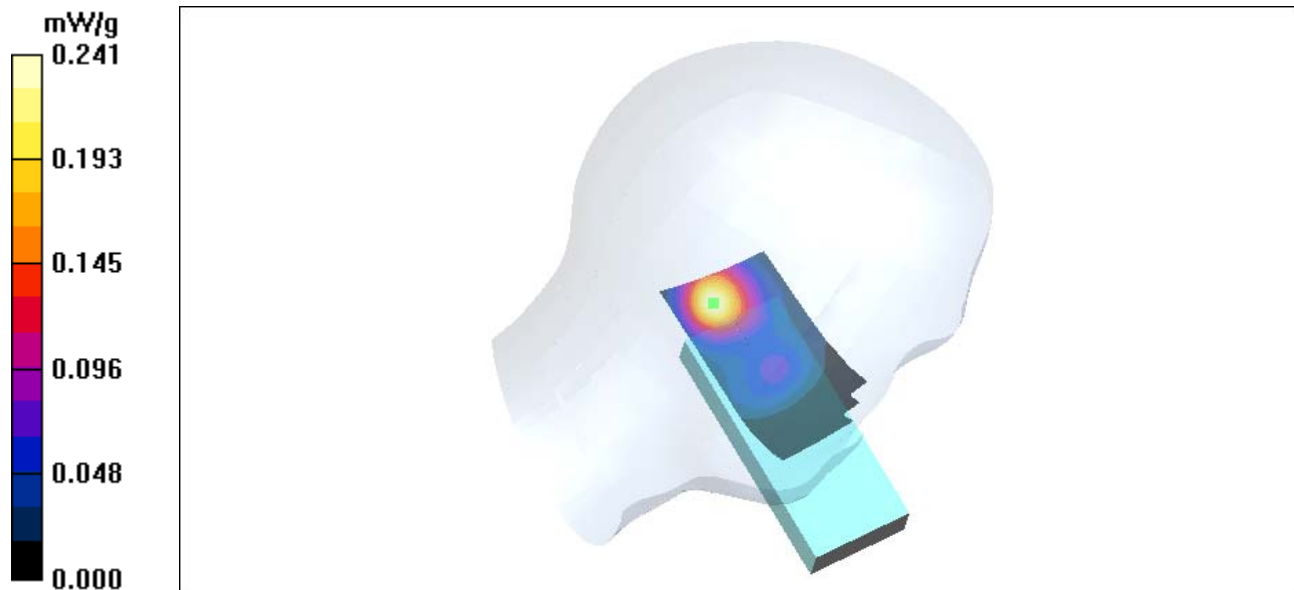
Zoom Scan (7x7x11)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm

Reference Value = 9.48 V/m; Power Drift = -0.002 dB

Peak SAR (extrapolated) = 0.362 W/kg

SAR(1 g) = 0.188 mW/g; SAR(10 g) = 0.097 mW/g

Maximum value of SAR (measured) = 0.241 mW/g



2437MHz Right Head Touch B-mode

Date/Time: 9/8/2008 1:19:20 PM

DUT: Cisco; Type: CP-7925G

Medium Notes: ambient temp: 22.5 deg C, Fluid Temp 22.0 deg C.

Communication System: DTS ; ; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium: HSL2437 Medium parameters used: $f = 2437$ MHz; $\sigma = 1.85$ mho/m; $\epsilon_r = 38.3$; $\rho = 1000$ kg/m³

Phantom section: Right Section

- Probe: EX3DV3 - SN3511; ConvF(7.67, 7.67, 7.67); Calibrated: 5/16/2008
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn584; Calibrated: 4/2/2007
- Phantom: SAM with CRP; Type: SAM; Serial: TP 1310
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

Area Scan (61x121x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.250 mW/g

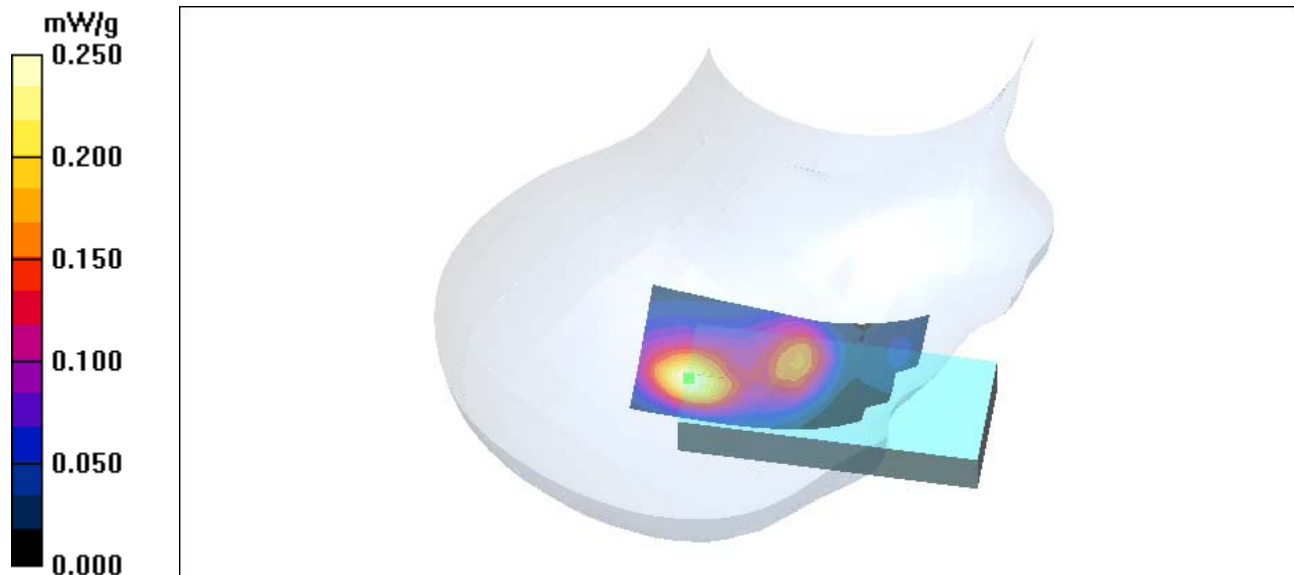
Zoom Scan (7x7x11)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm

Reference Value = 9.30 V/m; Power Drift = 0.156 dB

Peak SAR (extrapolated) = 0.362 W/kg

SAR(1 g) = 0.196 mW/g; SAR(10 g) = 0.102 mW/g

Maximum value of SAR (measured) = 0.246 mW/g



2437MHz Right Head Tilt B-mode

Date/Time: 9/8/2008 1:42:22 PM

DUT: Cisco; Type: CP-7925G

Medium Notes: ambient temp: 22.5 deg C, Fluid Temp 22.0 deg C.

Communication System: DTS ; ; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium: HSL2437 Medium parameters used: $f = 2437$ MHz; $\sigma = 1.85$ mho/m; $\epsilon_r = 38.3$; $\rho = 1000$ kg/m³

Phantom section: Right Section

- Probe: EX3DV3 - SN3511; ConvF(7.67, 7.67, 7.67); Calibrated: 5/16/2008
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn584; Calibrated: 4/2/2007
- Phantom: SAM with CRP; Type: SAM; Serial: TP 1310
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

Area Scan (61x121x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.290 mW/g

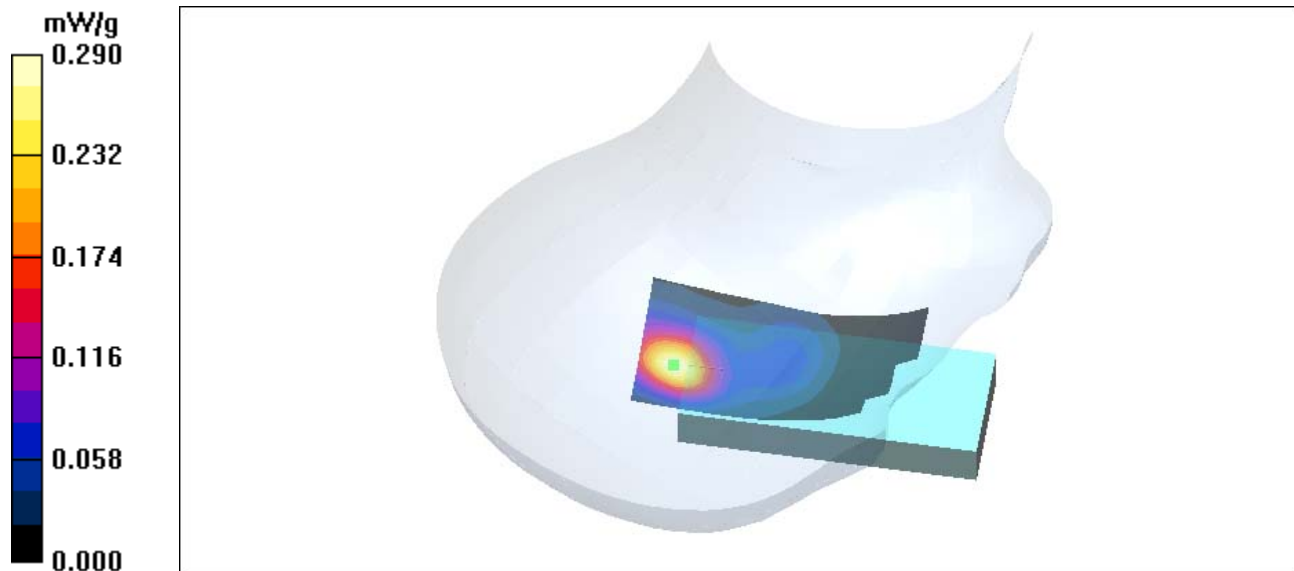
Zoom Scan (7x7x11)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm

Reference Value = 9.89 V/m; Power Drift = 0.004 dB

Peak SAR (extrapolated) = 0.433 W/kg

SAR(1 g) = 0.223 mW/g; SAR(10 g) = 0.110 mW/g

Maximum value of SAR (measured) = 0.285 mW/g



2437MHz Left Head Touch G-mode

Date/Time: 9/8/2008 2:59:15 PM

DUT: Cisco; Type: CP-7925G

Medium Notes: ambient temp: 22.5 deg C, Fluid Temp 22.0 deg C.

Communication System: DTS ; ; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium: HSL2437 Medium parameters used: $f = 2437$ MHz; $\sigma = 1.85$ mho/m; $\epsilon_r = 38.3$; $\rho = 1000$ kg/m³

Phantom section: Left Section

- Probe: EX3DV3 - SN3511; ConvF(7.67, 7.67, 7.67); Calibrated: 5/16/2008
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn584; Calibrated: 4/2/2007
- Phantom: SAM with CRP; Type: SAM; Serial: TP 1310
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

Area Scan (61x121x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.197 mW/g

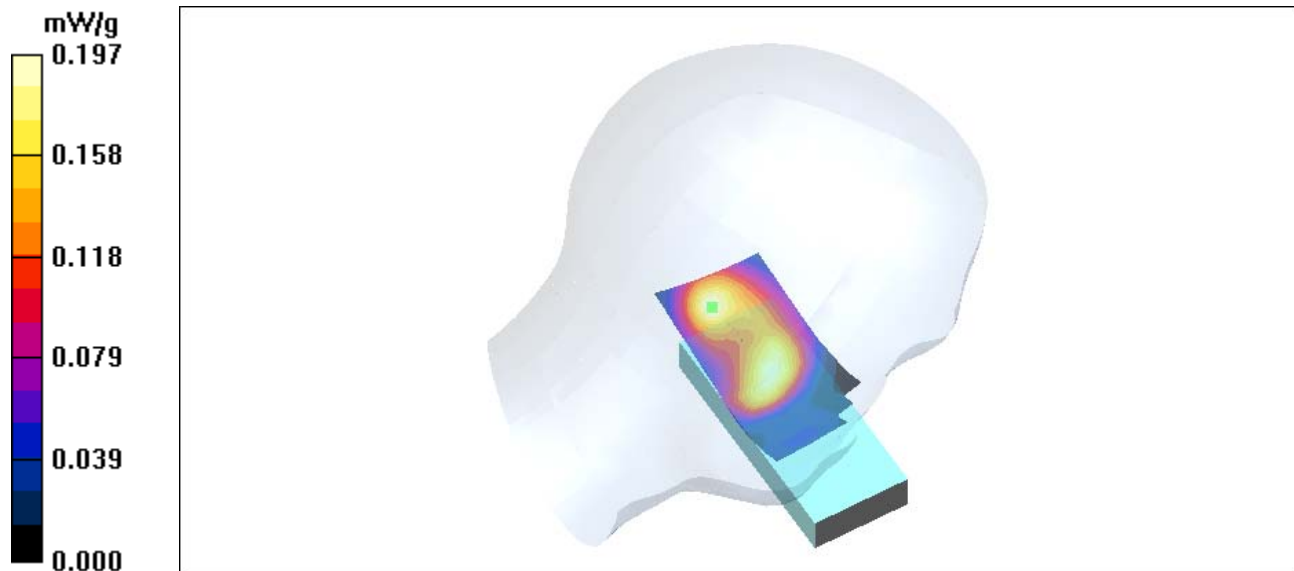
Zoom Scan (7x7x11)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm

Reference Value = 9.18 V/m; Power Drift = 0.043 dB

Peak SAR (extrapolated) = 0.313 W/kg

SAR(1 g) = 0.160 mW/g; SAR(10 g) = 0.086 mW/g

Maximum value of SAR (measured) = 0.202 mW/g



2437MHz Left Head Tilt G-mode

Date/Time: 9/8/2008 3:52:37 PM

DUT: Cisco; Type: CP-7925G

Medium Notes: ambient temp: 22.5 deg C, Fluid Temp 22.0 deg C.

Communication System: DTS ; ; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium: HSL2437 Medium parameters used: $f = 2437$ MHz; $\sigma = 1.85$ mho/m; $\epsilon_r = 38.3$; $\rho = 1000$ kg/m³

Phantom section: Left Section

- Probe: EX3DV3 - SN3511; ConvF(7.67, 7.67, 7.67); Calibrated: 5/16/2008
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn584; Calibrated: 4/2/2007
- Phantom: SAM with CRP; Type: SAM; Serial: TP 1310
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

Area Scan (61x121x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.293 mW/g

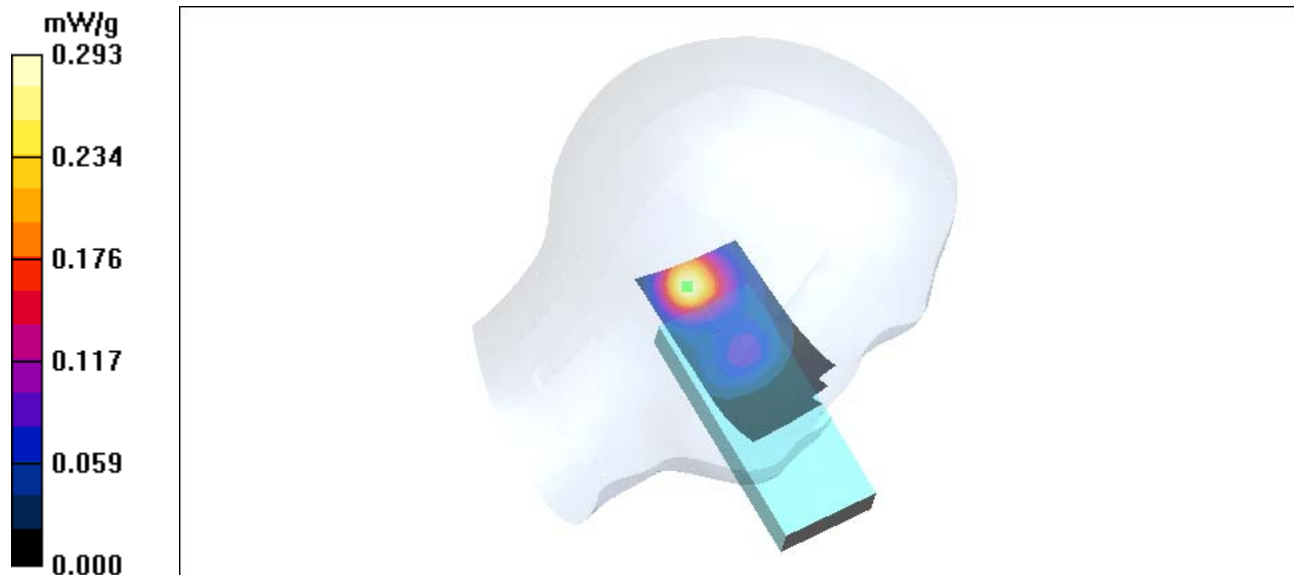
Zoom Scan (7x7x11)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm

Reference Value = 10.3 V/m; Power Drift = -0.015 dB

Peak SAR (extrapolated) = 0.443 W/kg

SAR(1 g) = 0.228 mW/g; SAR(10 g) = 0.116 mW/g

Maximum value of SAR (measured) = 0.293 mW/g



2437MHz Right Head Touch G-mode

Date/Time: 9/8/2008 2:11:01 PM

DUT: Cisco; Type: CP-7925G

Medium Notes: ambient temp: 22.5 deg C, Fluid Temp 22.0 deg C.

Communication System: DTS ; ; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium: HSL2437 Medium parameters used: $f = 2437$ MHz; $\sigma = 1.85$ mho/m; $\epsilon_r = 38.3$; $\rho = 1000$ kg/m³

Phantom section: Right Section

- Probe: EX3DV3 - SN3511; ConvF(7.67, 7.67, 7.67); Calibrated: 5/16/2008
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn584; Calibrated: 4/2/2007
- Phantom: SAM with CRP; Type: SAM; Serial: TP 1310
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

Area Scan (61x121x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.292 mW/g

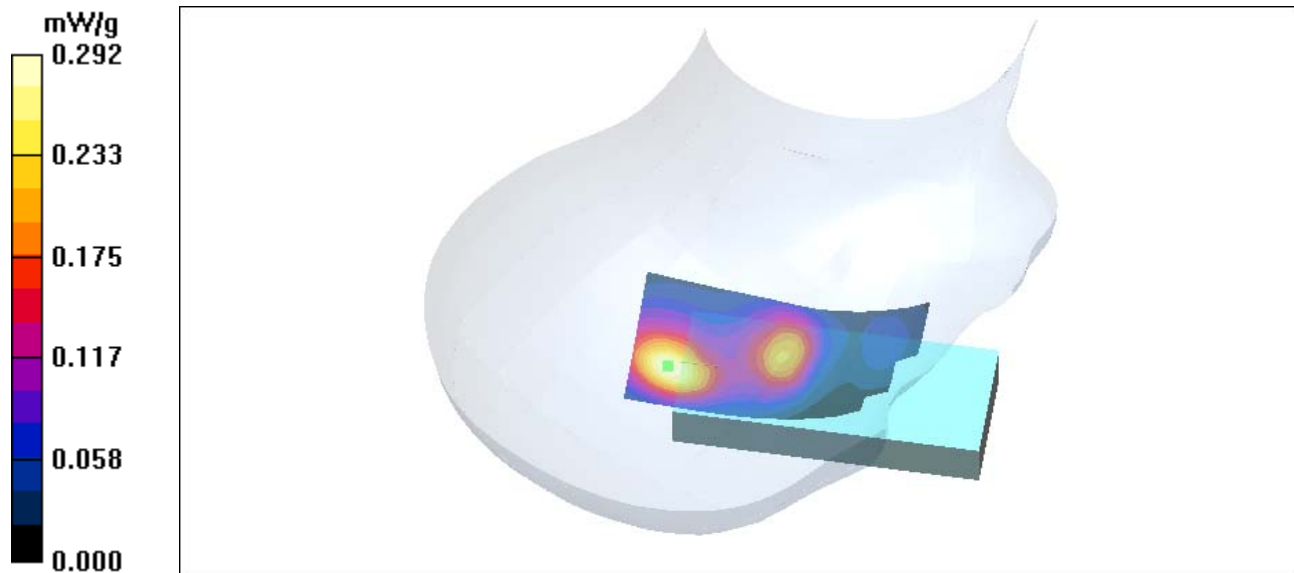
Zoom Scan (7x7x11)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm

Reference Value = 9.67 V/m; Power Drift = -0.006 dB

Peak SAR (extrapolated) = 0.442 W/kg

SAR(1 g) = 0.233 mW/g; SAR(10 g) = 0.118 mW/g

Maximum value of SAR (measured) = 0.298 mW/g



2437MHz Right Head Tilt G-mode

Date/Time: 9/8/2008 2:34:27 PM

DUT: Cisco; Type: CP-7925G

Medium Notes: ambient temp: 22.5 deg C, Fluid Temp 22.0 deg C.

Communication System: DTS ; ; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium: HSL2437 Medium parameters used: $f = 2437$ MHz; $\sigma = 1.85$ mho/m; $\epsilon_r = 38.3$; $\rho = 1000$ kg/m³

Phantom section: Right Section

- Probe: EX3DV3 - SN3511; ConvF(7.67, 7.67, 7.67); Calibrated: 5/16/2008
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn584; Calibrated: 4/2/2007
- Phantom: SAM with CRP; Type: SAM; Serial: TP 1310
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

Area Scan (61x121x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.374 mW/g

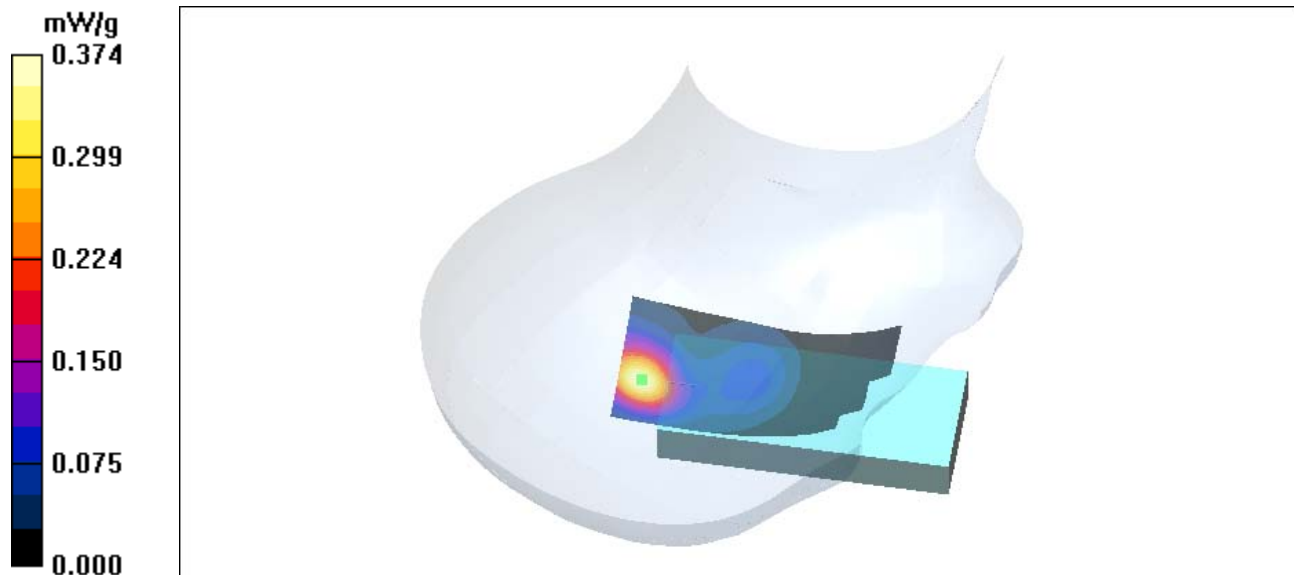
Zoom Scan (7x7x11)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm

Reference Value = 9.37 V/m; Power Drift = 0.052 dB

Peak SAR (extrapolated) = 0.554 W/kg

SAR(1 g) = 0.282 mW/g; SAR(10 g) = 0.136 mW/g

Maximum value of SAR (measured) = 0.365 mW/g



2437MHz Right Head Tilt G-mode Extended Battery

Date/Time: 9/8/2008 4:45:28 PM

DUT: Cisco; Type: CP-7925G

Medium Notes: ambient temp: 22.5 deg C, Fluid Temp 22.0 deg C.

Communication System: DTS ; ; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium: HSL2437 Medium parameters used: $f = 2437$ MHz; $\sigma = 1.85$ mho/m; $\epsilon_r = 38.3$; $\rho = 1000$ kg/m³

Phantom section: Right Section

- Probe: EX3DV3 - SN3511; ConvF(7.67, 7.67, 7.67); Calibrated: 5/16/2008
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn584; Calibrated: 4/2/2007
- Phantom: SAM with CRP; Type: SAM; Serial: TP 1310
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

Area Scan (61x121x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.371 mW/g

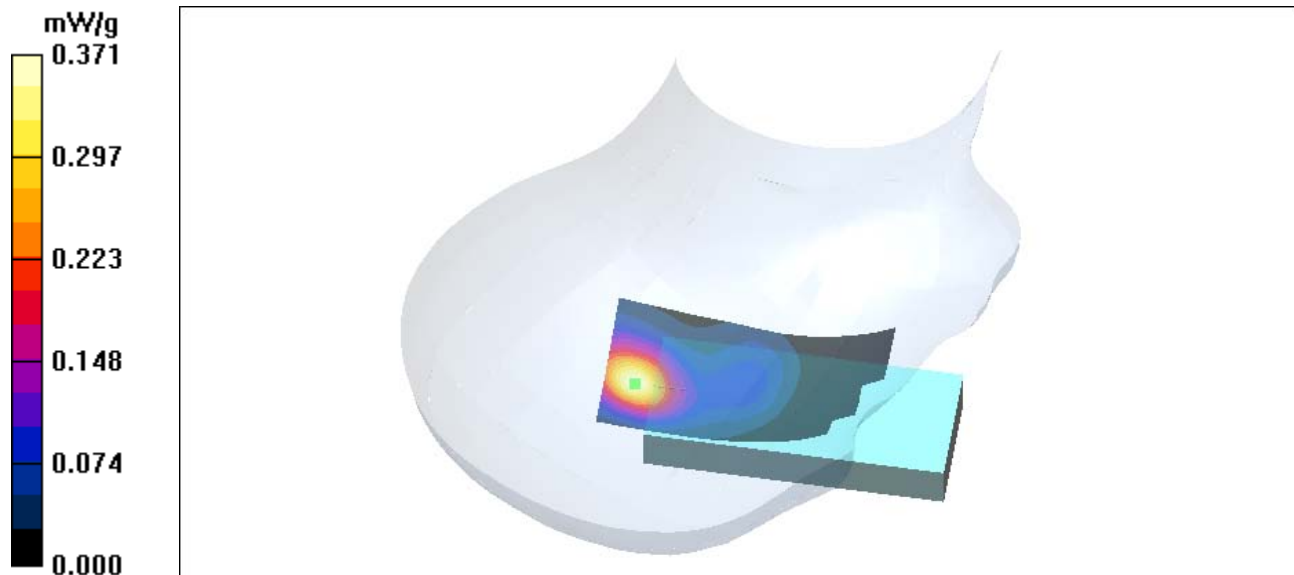
Zoom Scan (7x7x11)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm

Reference Value = 11.1 V/m; Power Drift = 0.030 dB

Peak SAR (extrapolated) = 0.561 W/kg

SAR(1 g) = 0.287 mW/g; SAR(10 g) = 0.141 mW/g

Maximum value of SAR (measured) = 0.370 mW/g



2437MHz Body Leather Holster B-mode

Date/Time: 9/8/2008 12:02:19 PM

DUT: Cisco; Type: CP-7925G

Medium Notes: ambient temp: 22.5 deg C, Fluid Temp 22.0 deg C.

Communication System: DTS ; ; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium: M2437 Medium parameters used: $f = 2437$ MHz; $\sigma = 1.98$ mho/m; $\epsilon_r = 50.1$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

- Probe: EX3DV3 - SN3511; ConvF(7.89, 7.89, 7.89); Calibrated: 5/16/2008
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn584; Calibrated: 4/2/2007
- Phantom: SAM with CRP; Type: SAM; Serial: TP 1310
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

Area Scan (61x131x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.294 mW/g

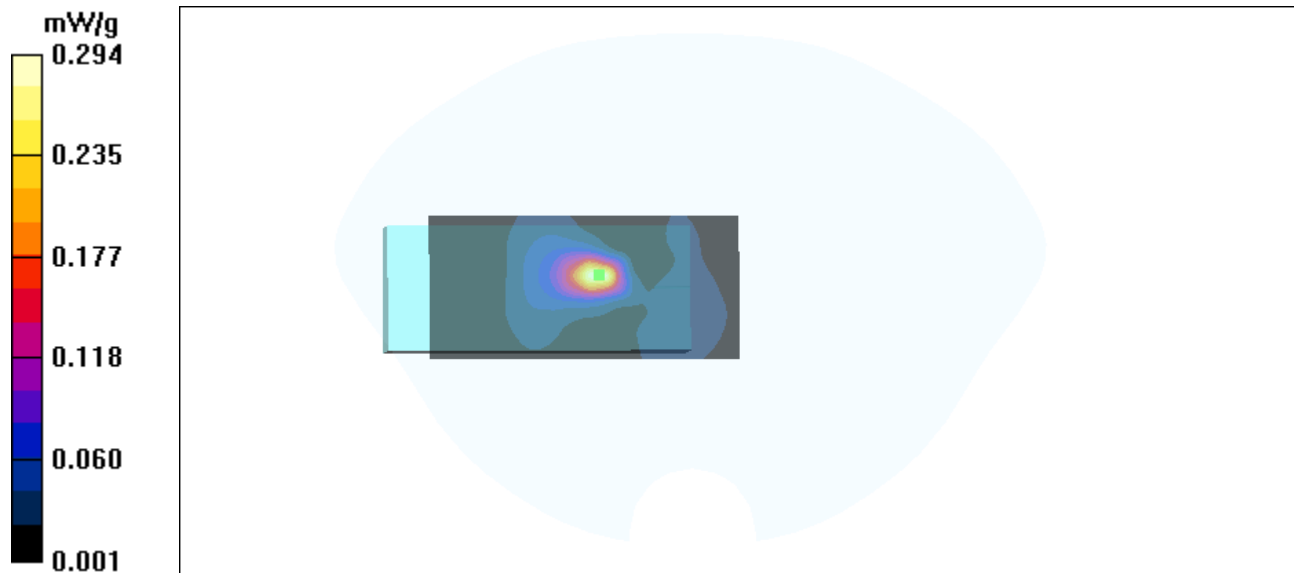
Zoom Scan (7x7x11)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm

Reference Value = 3.61 V/m; Power Drift = 0.394 dB

Peak SAR (extrapolated) = 0.343 W/kg

SAR(1 g) = 0.184 mW/g; SAR(10 g) = 0.081 mW/g

Maximum value of SAR (measured) = 0.243 mW/g



2437MHz Body Plastic Holster B-mode

Date/Time: 9/8/2008 9:25:37 AM

DUT: Cisco; Type: CP-7925G

Medium Notes: ambient temp: 22.5 deg C, Fluid Temp 22.0 deg C.

Communication System: DTS ; ; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium: M2437 Medium parameters used: $f = 2437$ MHz; $\sigma = 1.98$ mho/m; $\epsilon_r = 50.1$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

- Probe: EX3DV3 - SN3511; ConvF(7.89, 7.89, 7.89); Calibrated: 5/16/2008
- Sensor-Surface: 3.5mm (Mechanical Surface Detection) Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn584; Calibrated: 4/2/2007
- Phantom: SAM with CRP; Type: SAM; Serial: TP 1310
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

Area Scan (61x131x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.219 mW/g

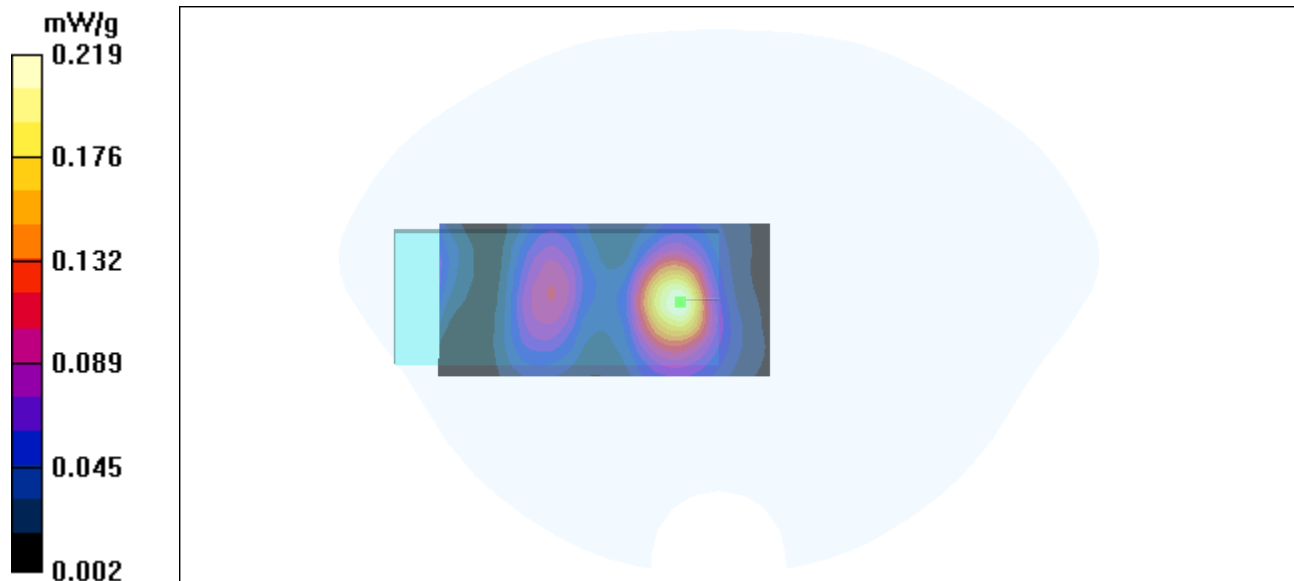
Zoom Scan (7x7x11)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm

Reference Value = 5.50 V/m; Power Drift = 2.12 dB

Peak SAR (extrapolated) = 0.329 W/kg

SAR(1 g) = 0.176 mW/g; SAR(10 g) = 0.093 mW/g

Maximum value of SAR (measured) = 0.216 mW/g



2437MHz Body Plastic Holster G-mode

Date/Time: 9/8/2008 10:34:15 AM

DUT: Cisco; Type: CP-7925G

Medium Notes: ambient temp: 22.5 deg C, Fluid Temp 22.0 deg C.

Communication System: DTS ; ; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium: M2437 Medium parameters used: $f = 2437$ MHz; $\sigma = 1.98$ mho/m; $\epsilon_r = 50.1$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

- Probe: EX3DV3 - SN3511; ConvF(7.89, 7.89, 7.89); Calibrated: 5/16/2008
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn584; Calibrated: 4/2/2007
- Phantom: SAM with CRP; Type: SAM; Serial: TP 1310
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

Area Scan (61x131x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.293 mW/g

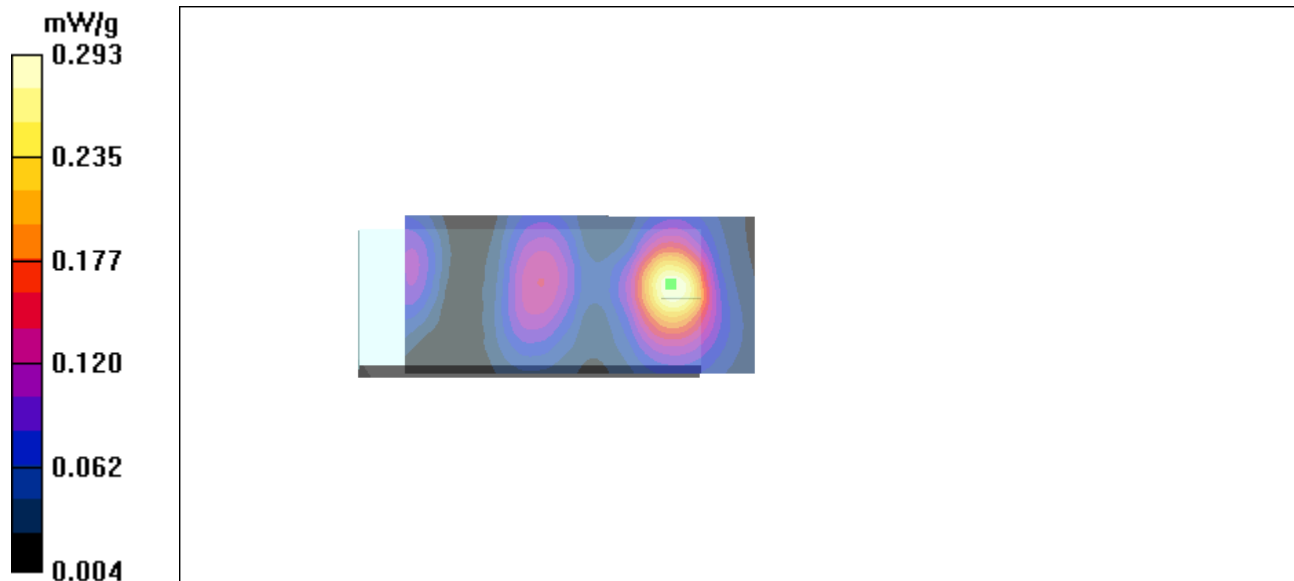
Zoom Scan (7x7x11)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm

Reference Value = 9.45 V/m; Power Drift = -0.184 dB

Peak SAR (extrapolated) = 0.416 W/kg

SAR(1 g) = 0.225 mW/g; SAR(10 g) = 0.119 mW/g

Maximum value of SAR (measured) = 0.277 mW/g



2437MHz Body Leather Holster G-mode

Date/Time: 9/8/2008 11:06:26 AM

DUT: Cisco; Type: CP-7925G

Medium Notes: ambient temp: 22.5 deg C, Fluid Temp 22.0 deg C.

Communication System: DTS ; ; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium: M2437 Medium parameters used: $f = 2437$ MHz; $\sigma = 1.98$ mho/m; $\epsilon_r = 50.1$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

- Probe: EX3DV3 - SN3511; ConvF(7.89, 7.89, 7.89); Calibrated: 5/16/2008
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn584; Calibrated: 4/2/2007
- Phantom: SAM with CRP; Type: SAM; Serial: TP 1310
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

Area Scan (61x131x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.410 mW/g

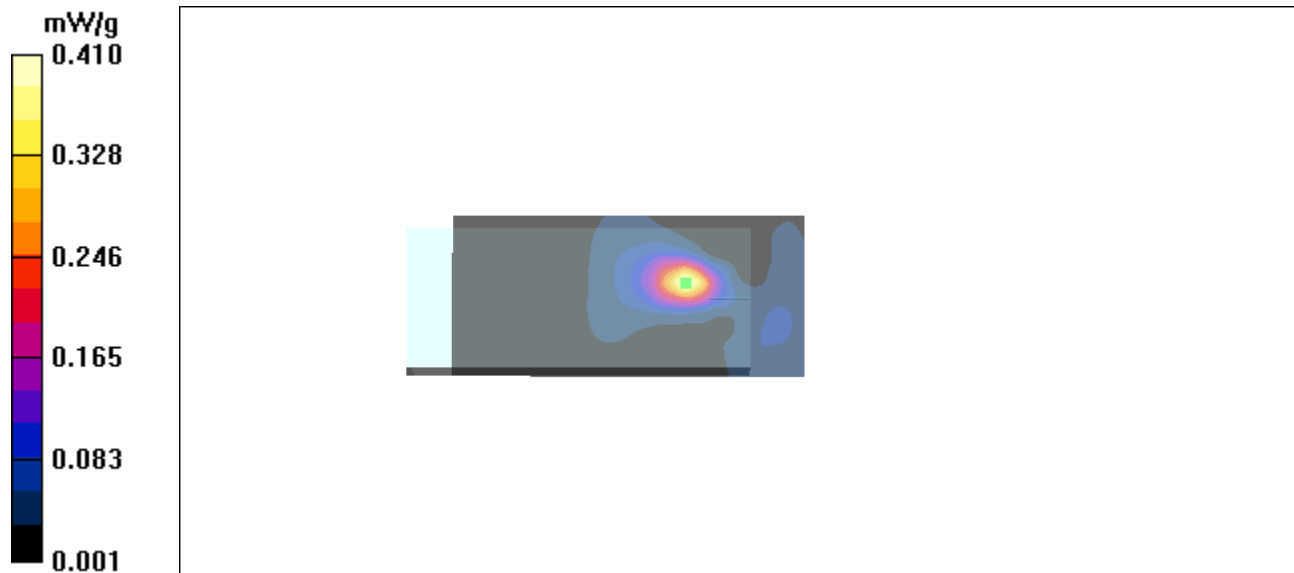
Zoom Scan (7x7x11)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm

Reference Value = 3.99 V/m; Power Drift = 0.198 dB

Peak SAR (extrapolated) = 0.459 W/kg

SAR(1 g) = 0.243 mW/g; SAR(10 g) = 0.105 mW/g

Maximum value of SAR (measured) = 0.323 mW/g



2437MHz Body Leather Holster G-mode Extended Battery

Date/Time: 9/8/2008 11:39:08 AM

DUT: Cisco; Type: CP-7925G

Medium Notes: ambient temp: 22.5 deg C, Fluid Temp 22.0 deg C.

Communication System: DTS ; ; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium: M2437 Medium parameters used: $f = 2437$ MHz; $\sigma = 1.98$ mho/m; $\epsilon_r = 50.1$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

- Probe: EX3DV3 - SN3511; ConvF(7.89, 7.89, 7.89); Calibrated: 5/16/2008
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn584; Calibrated: 4/2/2007
- Phantom: SAM with CRP; Type: SAM; Serial: TP 1310
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

Area Scan (61x131x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.352 mW/g

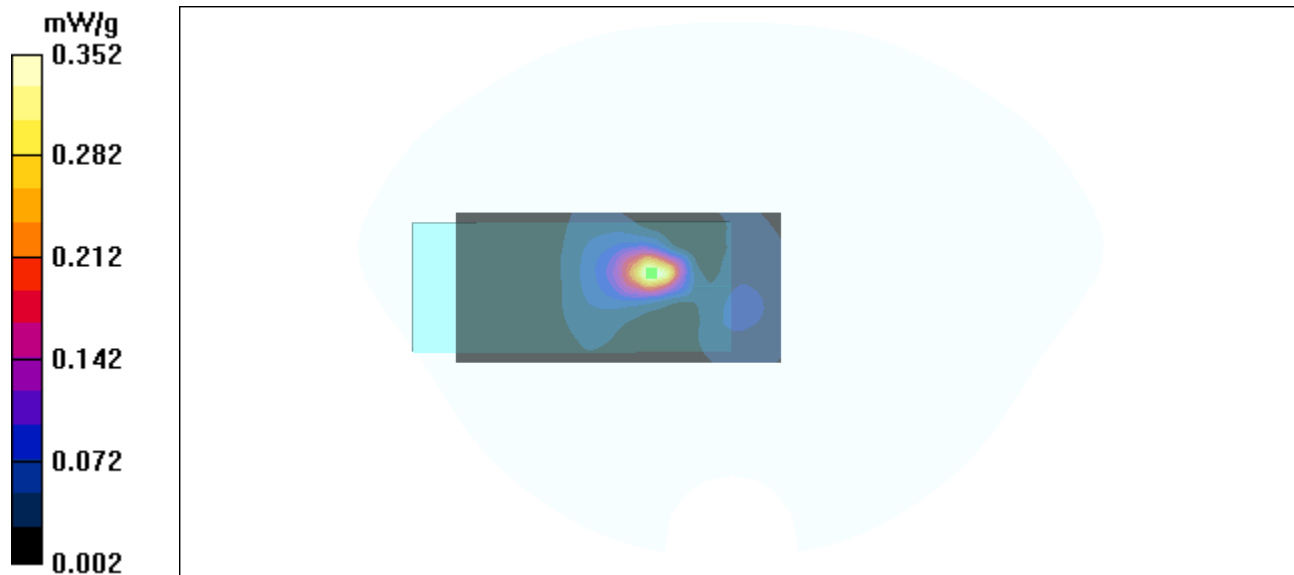
Zoom Scan (7x7x11)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm

Reference Value = 4.62 V/m; Power Drift = 0.190 dB

Peak SAR (extrapolated) = 0.412 W/kg

SAR(1 g) = 0.222 mW/g; SAR(10 g) = 0.097 mW/g

Maximum value of SAR (measured) = 0.298 mW/g



2437MHz Body Leather Holster G-mode with Bluetooth on

Date/Time: 9/8/2008 11:06:26 AM

DUT: Cisco; Type: CP-7925G

Medium Notes: ambient temp: 22.5 deg C, Fluid Temp 22.0 deg C.

Communication System: DTS ; ; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium: M2437 Medium parameters used: $f = 2437$ MHz; $\sigma = 1.98$ mho/m; $\epsilon_r = 50.1$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

- Probe: EX3DV3 - SN3511; ConvF(7.89, 7.89, 7.89); Calibrated: 5/16/2008
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn584; Calibrated: 4/2/2007
- Phantom: SAM with CRP; Type: SAM; Serial: TP 1310
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

Area Scan (61x131x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.409 mW/g

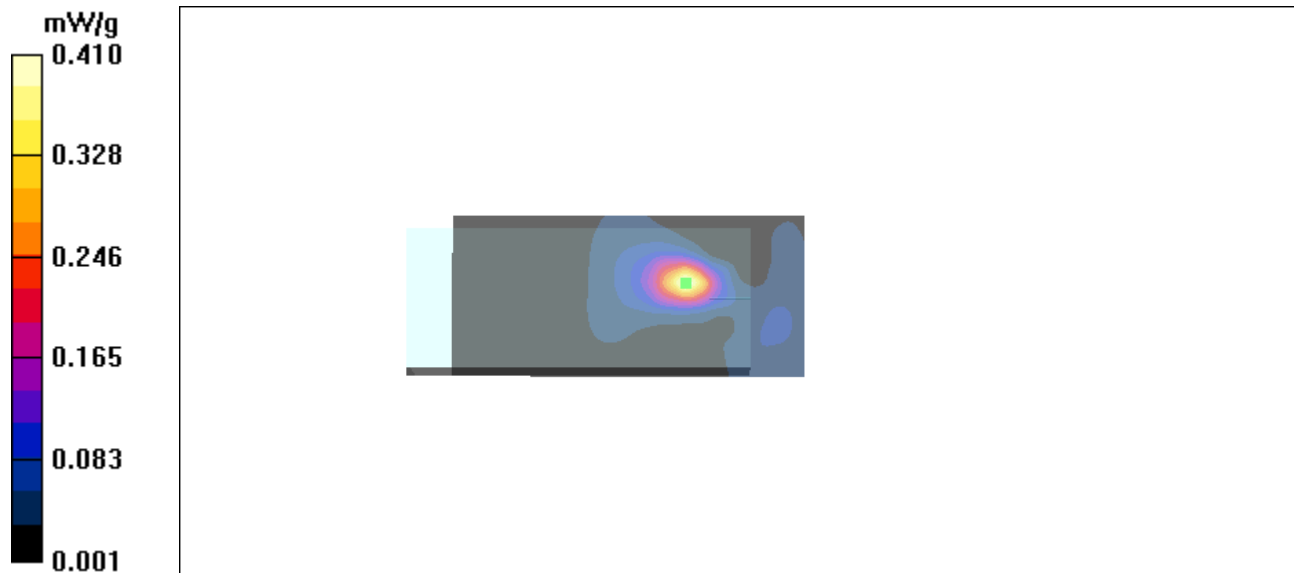
Zoom Scan (7x7x11)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm

Reference Value = 3.96 V/m; Power Drift = 0.018 dB

Peak SAR (extrapolated) = 0.457 W/kg

SAR(1 g) = 0.241 mW/g; SAR(10 g) = 0.104 mW/g

Maximum value of SAR (measured) = 0.323 mW/g



5180MHz Left Head Touch

Date/Time: 9/10/2008 5:03:42 PM

DUT: Cisco; Type: CP-7925G

Medium Notes: Ambient Temp: 22.0 deg C; Fluid Temp: 21.6 deg C

Communication System: OFDM; ; Frequency: 5200 MHz; Duty Cycle: 1:1

Medium: 5200-5500-5800 MHz Head Medium parameters used: $f = 5200$ MHz; $\sigma = 4.88$ mho/m; $\epsilon_r = 36.1$; $\rho = 1000$ kg/m³

Phantom section: Left Section

- Probe: EX3DV3 - SN3511; ConvF(5.04, 5.04, 5.04); Calibrated: 5/16/2008
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn584; Calibrated: 4/2/2007
- Phantom: SAM with CRP; Type: SAM; Serial: TP 1310
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

Area Scan (61x91x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 1.04 mW/g

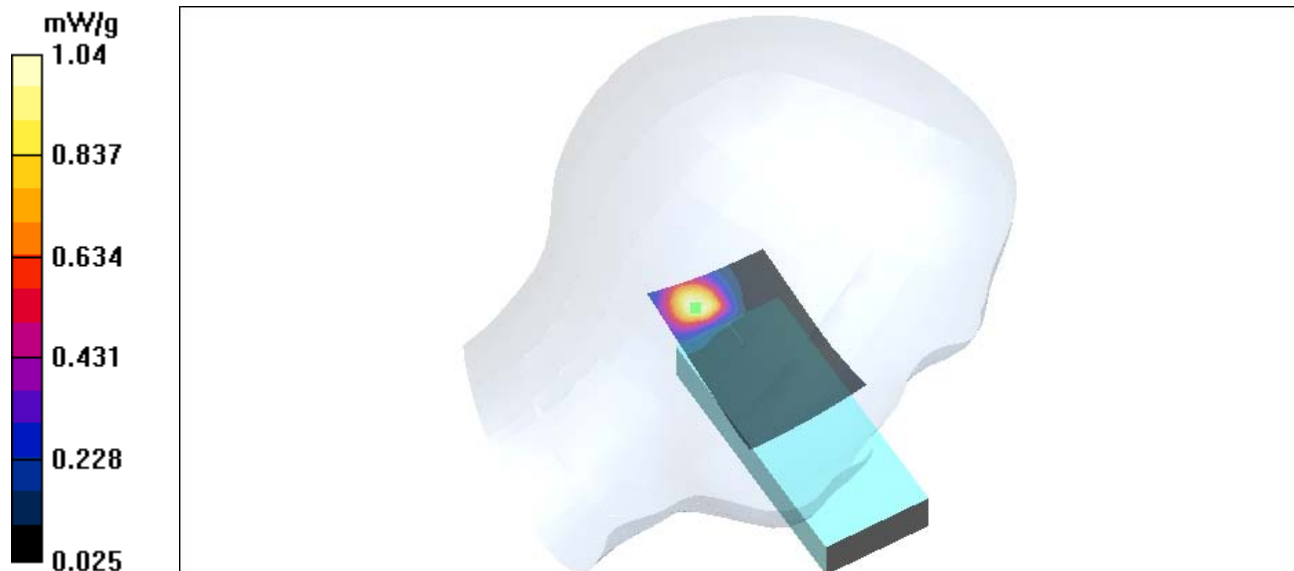
Zoom Scan (11x11x12)/Cube 0: Measurement grid: dx=3mm, dy=3mm, dz=2mm

Reference Value = 7.15 V/m; Power Drift = 0.198 dB

Peak SAR (extrapolated) = 1.74 W/kg

SAR(1 g) = 0.568 mW/g; SAR(10 g) = 0.254 mW/g

Maximum value of SAR (measured) = 0.994 mW/g



5180MHz Left Head Tilt

Date/Time: 9/10/2008 10:37:25 AM

DUT: Cisco; Type: CP-7925G

Medium Notes: Ambient Temp: 22.0 deg C; Fluid Temp: 21.6 deg C

Communication System: OFDM; ; Frequency: 5200 MHz; Duty Cycle: 1:1

Medium: 5200-5500-5800 MHz Head Medium parameters used: $f = 5200$ MHz; $\sigma = 4.88$ mho/m; $\epsilon_r = 36.1$; $\rho = 1000$ kg/m³

Phantom section: Left Section

- Probe: EX3DV3 - SN3511; ConvF(5.04, 5.04, 5.04); Calibrated: 5/16/2008
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn584; Calibrated: 4/2/2007
- Phantom: SAM with CRP; Type: SAM; Serial: TP 1310
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

Area Scan (61x91x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 1.33 mW/g

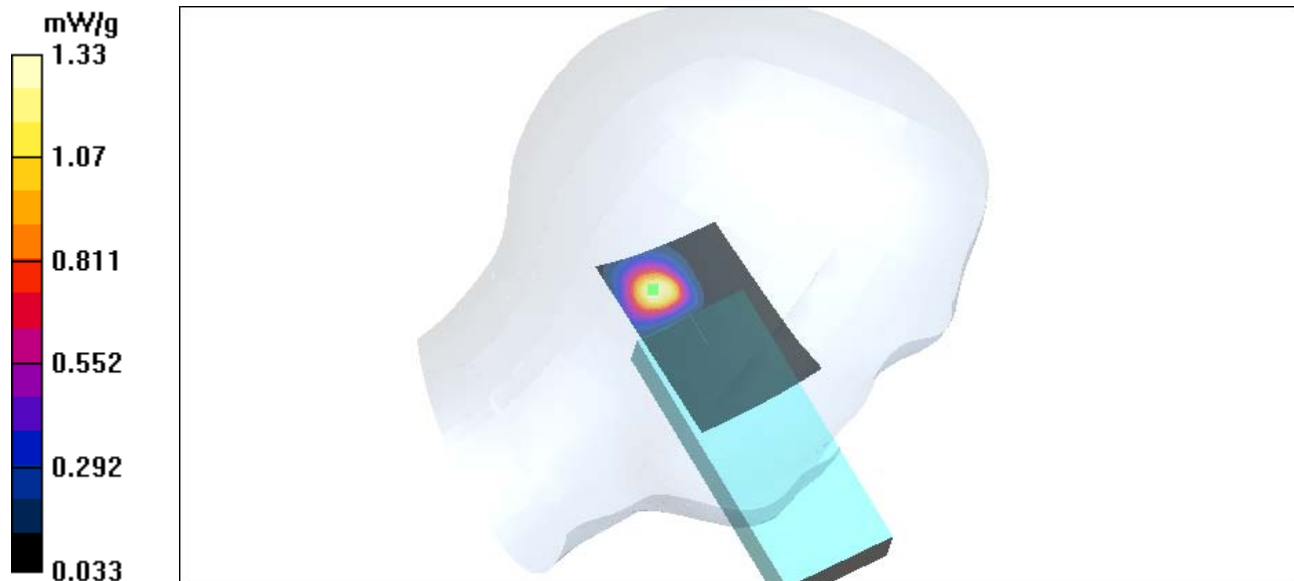
Zoom Scan (11x11x12)/Cube 0: Measurement grid: dx=3mm, dy=3mm, dz=2mm

Reference Value = 6.86 V/m; Power Drift = 0.151 dB

Peak SAR (extrapolated) = 2.11 W/kg

SAR(1 g) = 0.716 mW/g; SAR(10 g) = 0.302 mW/g

Maximum value of SAR (measured) = 1.25 mW/g



5180MHz Right Head Touch

Date/Time: 9/9/2008 12:22:17 PM

DUT: Cisco; Type: CP-7925G

Medium Notes: Ambient Temp: 22.0 deg C; Fluid Temp: 21.6 deg C

Communication System: OFDM; ; Frequency: 5200 MHz; Duty Cycle: 1:1

Medium: 5200-5500-5800 MHz Head Medium parameters used: $f = 5200$ MHz; $\sigma = 4.72$ mho/m; $\epsilon_r = 35.4$; $\rho = 1000$ kg/m³

Phantom section: Right Section

- Probe: EX3DV3 - SN3511; ConvF(5.04, 5.04, 5.04); Calibrated: 5/16/2008
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn584; Calibrated: 4/2/2007
- Phantom: SAM with CRP; Type: SAM; Serial: TP 1310
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

Area Scan (61x91x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.948 mW/g

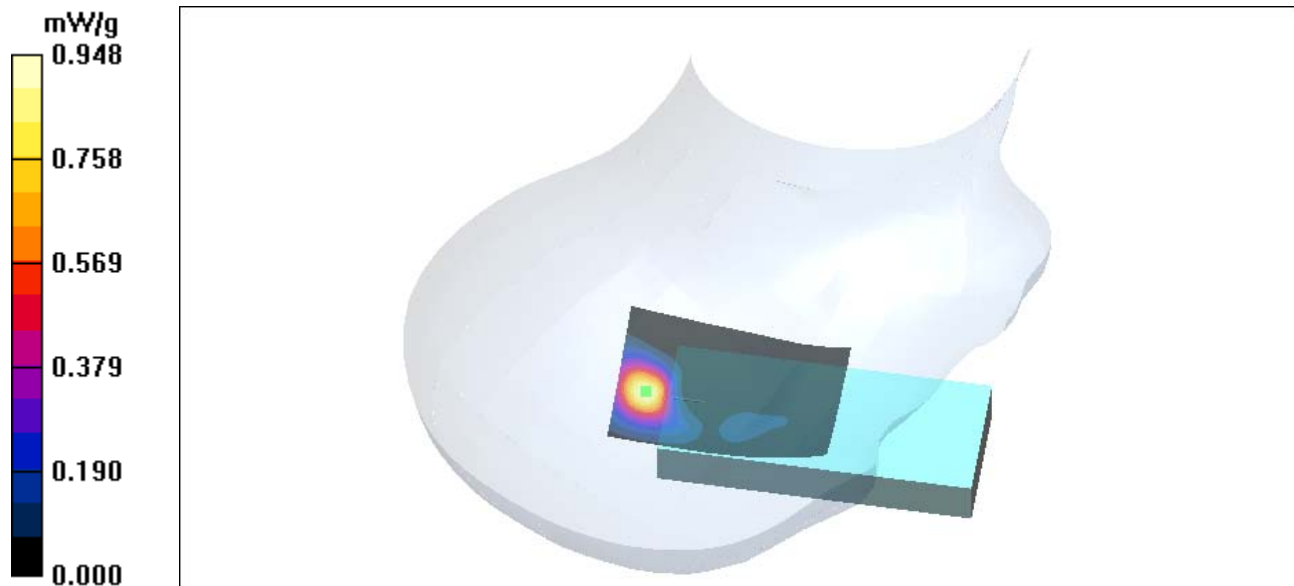
Zoom Scan (11x11x12)/Cube 0: Measurement grid: dx=3mm, dy=3mm, dz=2mm

Reference Value = 6.92 V/m; Power Drift = 0.247 dB

Peak SAR (extrapolated) = 1.72 W/kg

SAR(1 g) = 0.496 mW/g; SAR(10 g) = 0.170 mW/g

Maximum value of SAR (measured) = 0.962 mW/g



5180MHz Right Head Tilt

Date/Time: 9/9/2008 3:13:40 PM

DUT: Cisco; Type: CP-7925G

Medium Notes: Ambient Temp: 22.0 deg C; Fluid Temp: 21.6 deg C

Communication System: OFDM; ; Frequency: 5200 MHz; Duty Cycle: 1:1

Medium: 5200-5500-5800 MHz Head Medium parameters used: $f = 5200$ MHz; $\sigma = 4.72$ mho/m; $\epsilon_r = 35.4$; $\rho = 1000$ kg/m³

Phantom section: Right Section

- Probe: EX3DV3 - SN3511; ConvF(5.04, 5.04, 5.04); Calibrated: 5/16/2008
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn584; Calibrated: 4/2/2007
- Phantom: SAM with CRP; Type: SAM; Serial: TP 1310
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

Area Scan (61x91x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 1.12 mW/g

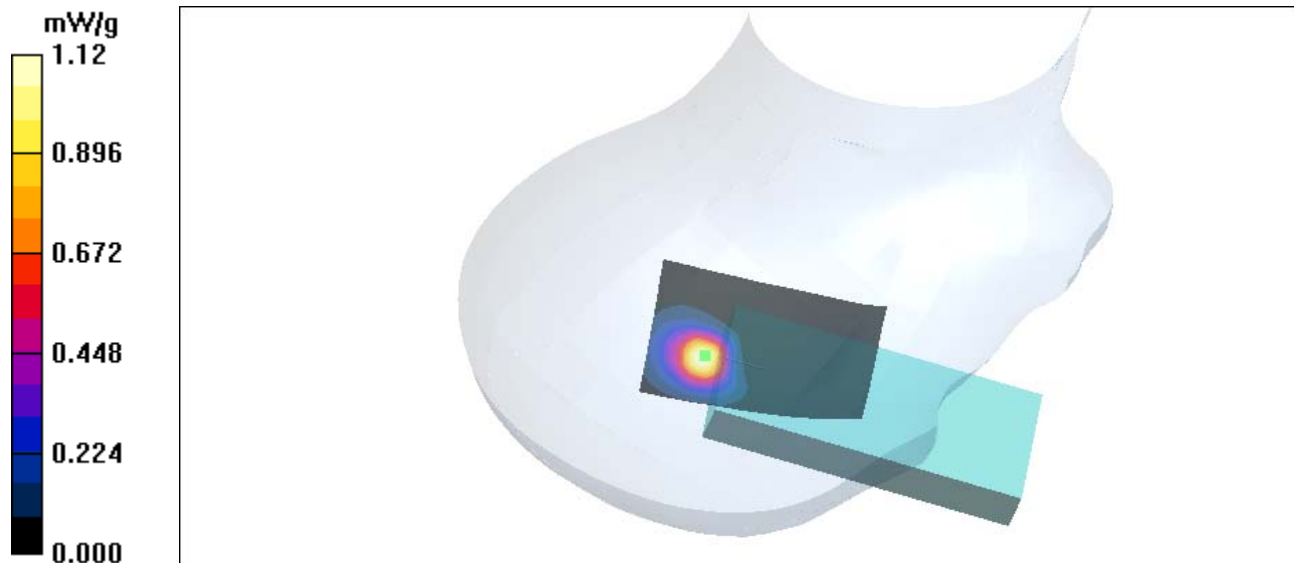
Zoom Scan (11x11x12)/Cube 0: Measurement grid: dx=3mm, dy=3mm, dz=2mm

Reference Value = 6.94 V/m; Power Drift = 0.127 dB

Peak SAR (extrapolated) = 2.01 W/kg

SAR(1 g) = 0.584 mW/g; SAR(10 g) = 0.194 mW/g

Maximum value of SAR (measured) = 1.12 mW/g



5240MHz Left Head Touch

Date/Time: 9/10/2008 4:23:17 PM

DUT: Cisco; Type: CP-7925G

Medium Notes: Ambient Temp: 22.0 deg C; Fluid Temp: 21.6 deg C

Communication System: OFDM; ; Frequency: 5200 MHz; Duty Cycle: 1:1

Medium: 5200-5500-5800 MHz Head Medium parameters used: $f = 5200$ MHz; $\sigma = 4.88$ mho/m; $\epsilon_r = 36.1$; $\rho = 1000$ kg/m³

Phantom section: Left Section

- Probe: EX3DV3 - SN3511; ConvF(5.04, 5.04, 5.04); Calibrated: 5/16/2008
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn584; Calibrated: 4/2/2007
- Phantom: SAM with CRP; Type: SAM; Serial: TP 1310
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

Area Scan (61x91x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.885 mW/g

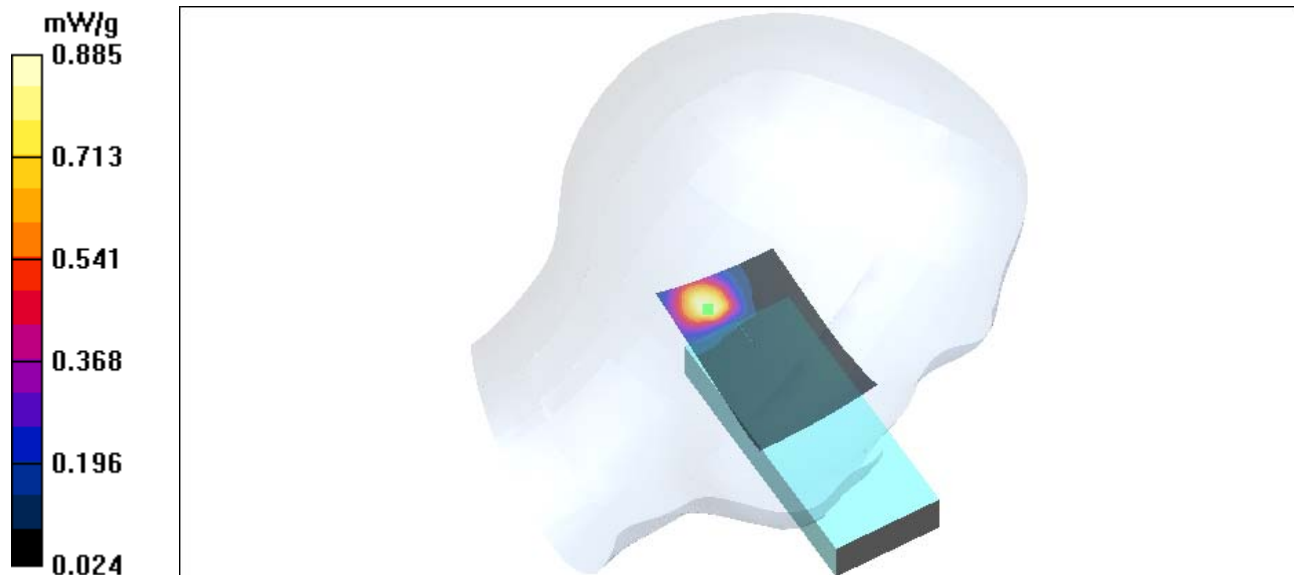
Zoom Scan (11x11x12)/Cube 0: Measurement grid: dx=3mm, dy=3mm, dz=2mm

Reference Value = 6.44 V/m; Power Drift = 0.357 dB

Peak SAR (extrapolated) = 1.48 W/kg

SAR(1 g) = 0.482 mW/g; SAR(10 g) = 0.213 mW/g

Maximum value of SAR (measured) = 0.845 mW/g



5240MHz Left Head Tilt

Date/Time: 9/10/2008 12:14:13 PM

DUT: Cisco; Type: CP-7925G

Medium Notes: Ambient Temp: 22.0 deg C; Fluid Temp: 21.6 deg C

Communication System: OFDM; ; Frequency: 5200 MHz; Duty Cycle: 1:1

Medium: 5200-5500-5800 MHz Head Medium parameters used: $f = 5200$ MHz; $\sigma = 4.88$ mho/m; $\epsilon_r = 36.1$; $\rho = 1000$ kg/m³

Phantom section: Left Section

- Probe: EX3DV3 - SN3511; ConvF(5.04, 5.04, 5.04); Calibrated: 5/16/2008
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn584; Calibrated: 4/2/2007
- Phantom: SAM with CRP; Type: SAM; Serial: TP 1310
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

Area Scan (61x91x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 1.04 mW/g

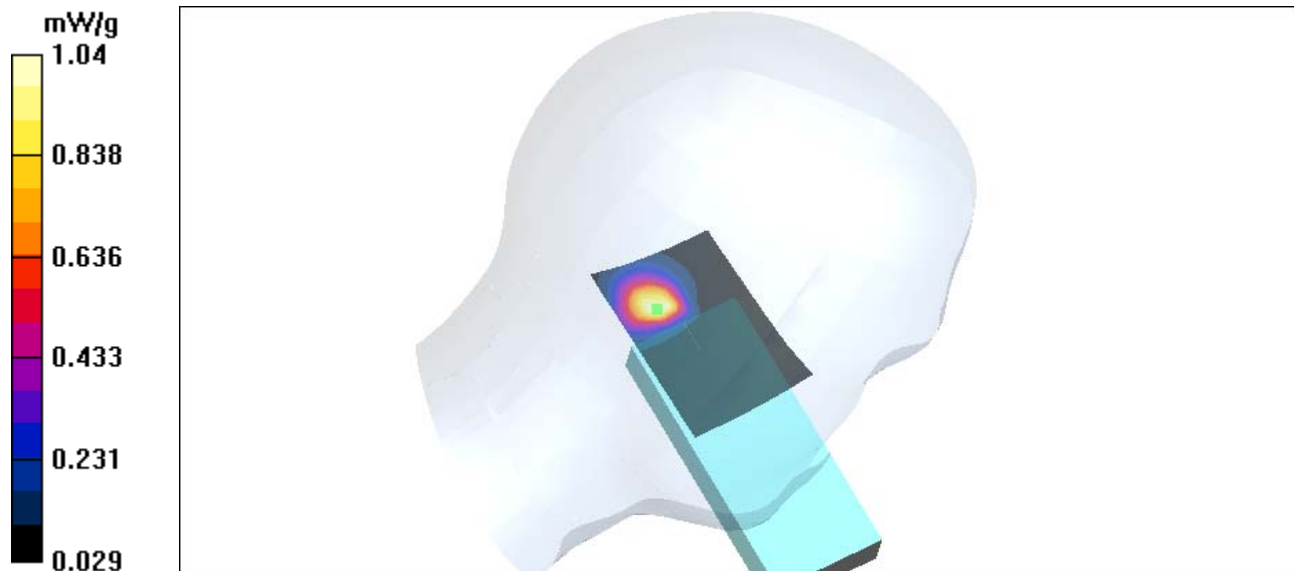
Zoom Scan (11x11x12)/Cube 0: Measurement grid: dx=3mm, dy=3mm, dz=2mm

Reference Value = 7.45 V/m; Power Drift = 0.082 dB

Peak SAR (extrapolated) = 1.69 W/kg

SAR(1 g) = 0.550 mW/g; SAR(10 g) = 0.240 mW/g

Maximum value of SAR (measured) = 0.976 mW/g



5240MHz Right Head Touch

Date/Time: 9/9/2008 11:31:15 AM

DUT: Cisco; Type: CP-7925G

Medium Notes: Ambient Temp: 22.0 deg C; Fluid Temp: 21.6 deg C

Communication System: OFDM; ; Frequency: 5200 MHz; Duty Cycle: 1:1

Medium: 5200-5500-5800 MHz Head Medium parameters used: $f = 5200$ MHz; $\sigma = 4.72$ mho/m; $\epsilon_r = 35.4$; $\rho = 1000$ kg/m³

Phantom section: Right Section

- Probe: EX3DV3 - SN3511; ConvF(5.04, 5.04, 5.04); Calibrated: 5/16/2008
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn584; Calibrated: 4/2/2007
- Phantom: SAM with CRP; Type: SAM; Serial: TP 1310
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

Area Scan (61x91x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.827 mW/g

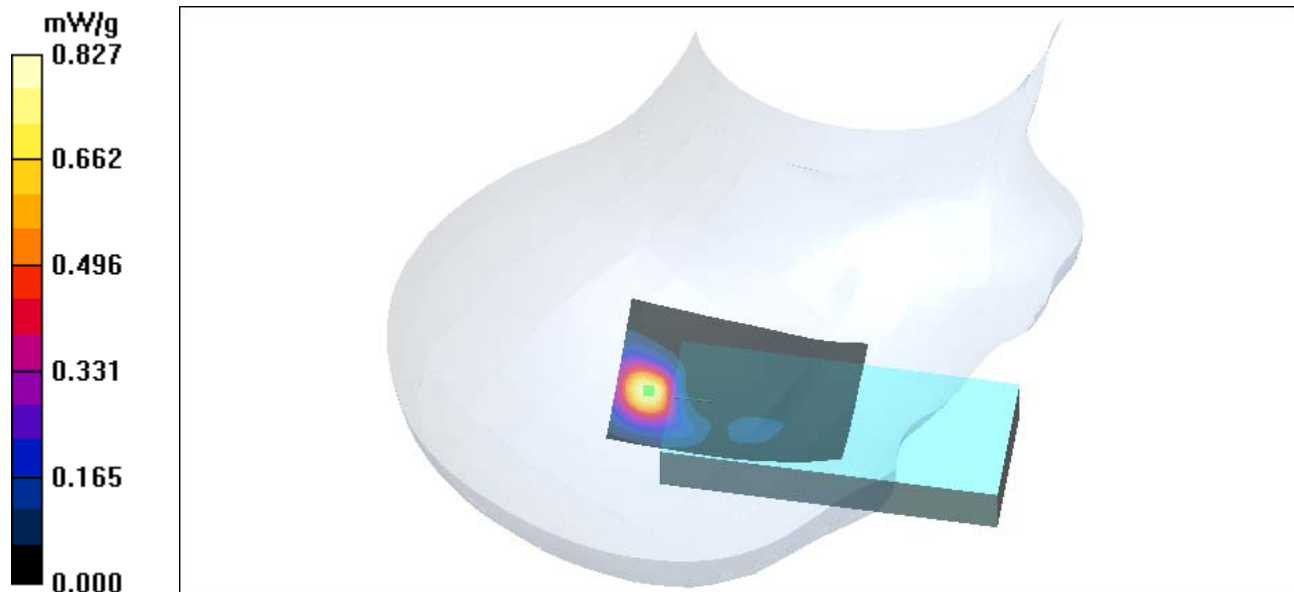
Zoom Scan (11x11x12)/Cube 0: Measurement grid: dx=3mm, dy=3mm, dz=2mm

Reference Value = 5.95 V/m; Power Drift = 0.160 dB

Peak SAR (extrapolated) = 1.47 W/kg

SAR(1 g) = 0.423 mW/g; SAR(10 g) = 0.141 mW/g

Maximum value of SAR (measured) = 0.819 mW/g



5240MHz Right Head Tilt

Date/Time: 9/9/2008 4:03:13 PM

DUT: Cisco; Type: CP-7925G

Medium Notes: Ambient Temp: 22.0 deg C; Fluid Temp: 21.6 deg C

Communication System: OFDM; ; Frequency: 5200 MHz; Duty Cycle: 1:1

Medium: 5200-5500-5800 MHz Head Medium parameters used: $f = 5200$ MHz; $\sigma = 4.72$ mho/m; $\epsilon_r = 35.4$; $\rho = 1000$ kg/m³

Phantom section: Right Section

- Probe: EX3DV3 - SN3511; ConvF(5.04, 5.04, 5.04); Calibrated: 5/16/2008
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn584; Calibrated: 4/2/2007
- Phantom: SAM with CRP; Type: SAM; Serial: TP 1310
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

Area Scan (61x91x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.991 mW/g

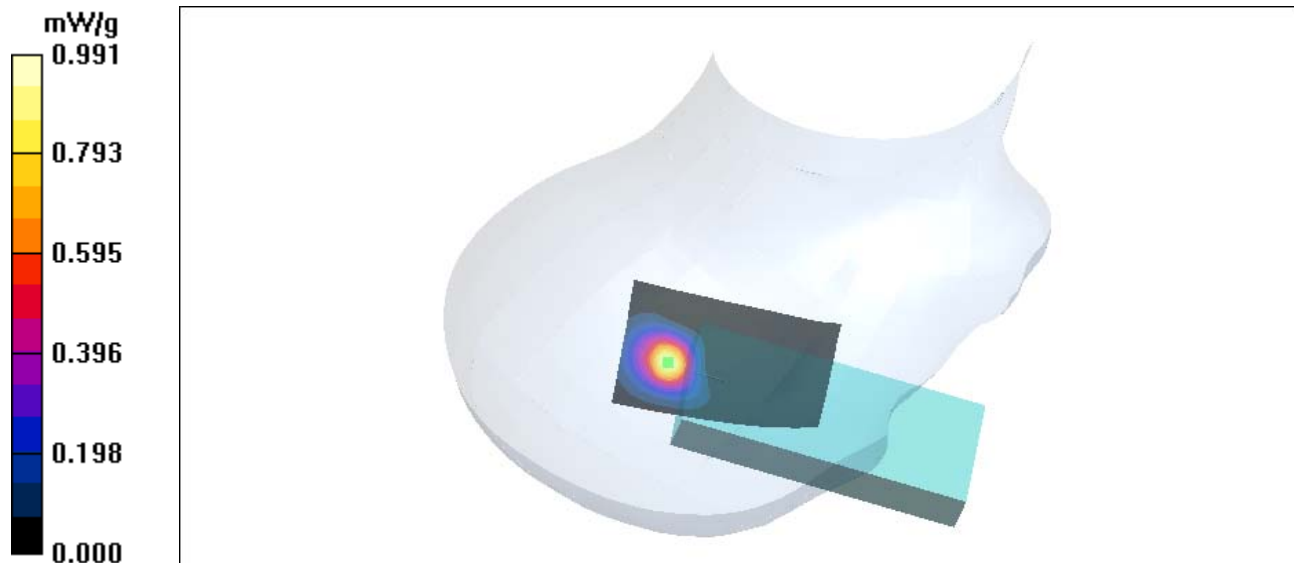
Zoom Scan (11x11x12)/Cube 0: Measurement grid: dx=3mm, dy=3mm, dz=2mm

Reference Value = 6.60 V/m; Power Drift = 0.304 dB

Peak SAR (extrapolated) = 1.77 W/kg

SAR(1 g) = 0.492 mW/g; SAR(10 g) = 0.166 mW/g

Maximum value of SAR (measured) = 0.946 mW/g



5260MHz Left Head Touch

Date/Time: 9/10/2008 3:39:07 PM

DUT: Cisco; Type: CP-7925G

Medium Notes: Ambient Temp: 22.0 deg C; Fluid Temp: 21.6 deg C

Communication System: OFDM; ; Frequency: 5200 MHz; Duty Cycle: 1:1

Medium: 5200-5500-5800 MHz Head Medium parameters used: $f = 5200$ MHz; $\sigma = 4.88$ mho/m; $\epsilon_r = 36.1$; $\rho = 1000$ kg/m³

Phantom section: Left Section

- Probe: EX3DV3 - SN3511; ConvF(5.04, 5.04, 5.04); Calibrated: 5/16/2008
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn584; Calibrated: 4/2/2007
- Phantom: SAM with CRP; Type: SAM; Serial: TP 1310
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

Area Scan (61x91x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.886 mW/g

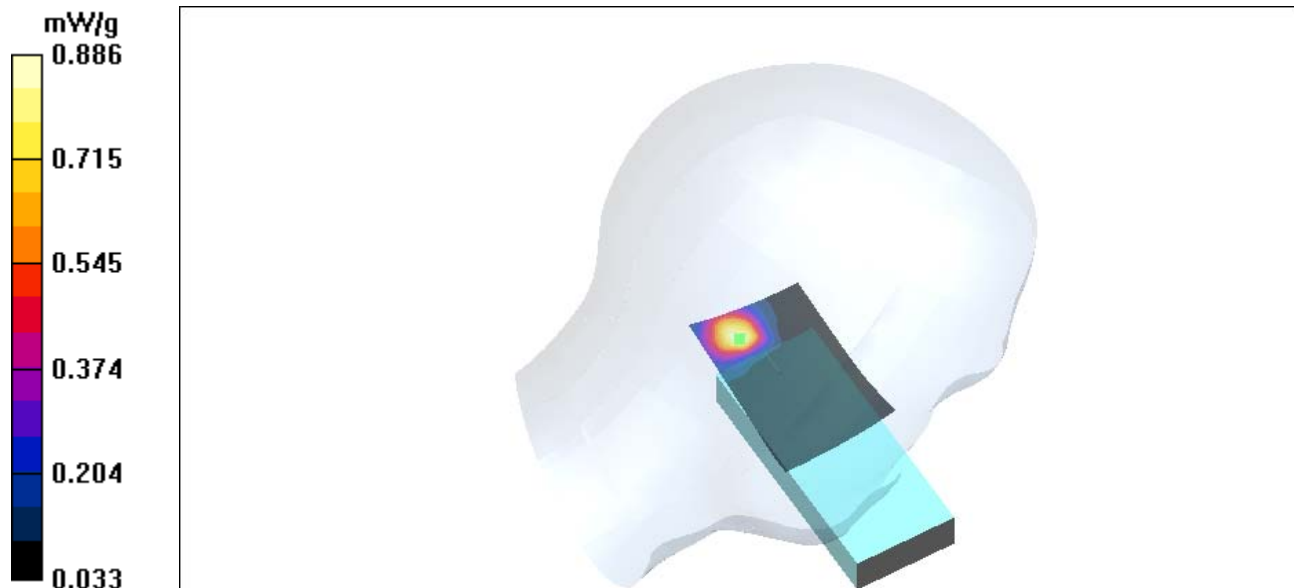
Zoom Scan (11x11x12)/Cube 0: Measurement grid: dx=3mm, dy=3mm, dz=2mm

Reference Value = 6.87 V/m; Power Drift = -0.198 dB

Peak SAR (extrapolated) = 1.41 W/kg

SAR(1 g) = 0.475 mW/g; SAR(10 g) = 0.212 mW/g

Maximum value of SAR (measured) = 0.827 mW/g



5260MHz Left Head Tilt

Date/Time: 9/10/2008 1:05:13 PM

DUT: Cisco; Type: CP-7925G

Medium Notes: Ambient Temp: 22.0 deg C; Fluid Temp: 21.6 deg C

Communication System: OFDM; ; Frequency: 5200 MHz; Duty Cycle: 1:1

Medium: 5200-5500-5800 MHz Head Medium parameters used: $f = 5200$ MHz; $\sigma = 4.88$ mho/m; $\epsilon_r = 36.1$; $\rho = 1000$ kg/m³

Phantom section: Left Section

- Probe: EX3DV3 - SN3511; ConvF(5.04, 5.04, 5.04); Calibrated: 5/16/2008
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn584; Calibrated: 4/2/2007
- Phantom: SAM with CRP; Type: SAM; Serial: TP 1310
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

Area Scan (61x91x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 1.03 mW/g

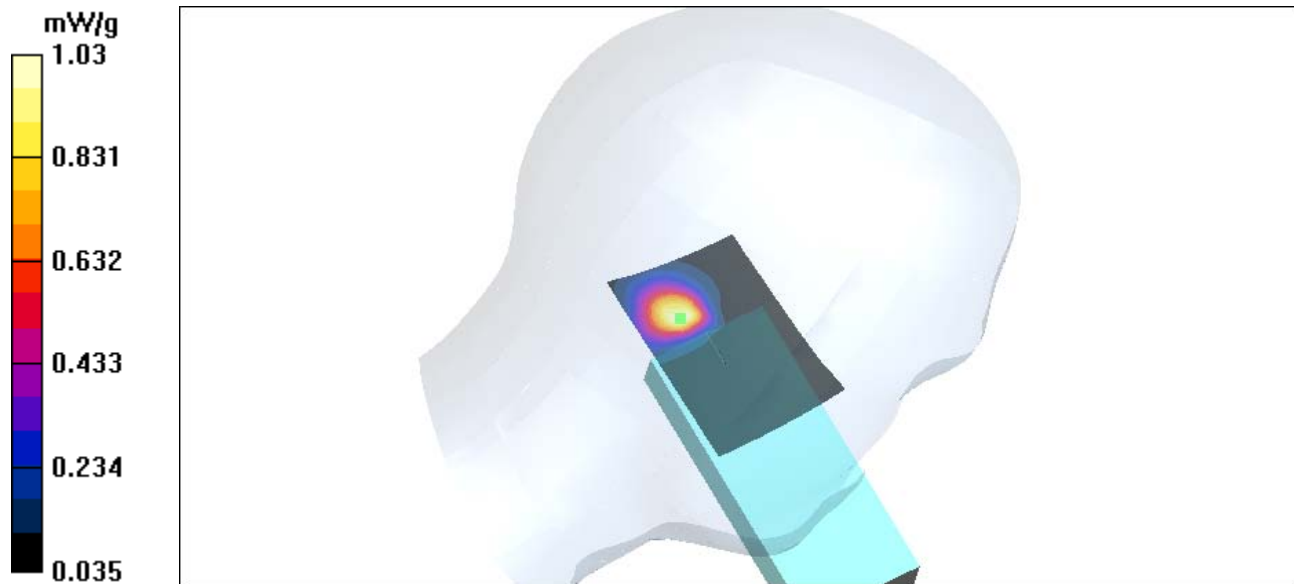
Zoom Scan (11x11x12)/Cube 0: Measurement grid: dx=3mm, dy=3mm, dz=2mm

Reference Value = 7.37 V/m; Power Drift = 0.300 dB

Peak SAR (extrapolated) = 1.68 W/kg

SAR(1 g) = 0.552 mW/g; SAR(10 g) = 0.243 mW/g

Maximum value of SAR (measured) = 0.980 mW/g



5260MHz Right Head Touch

Date/Time: 9/9/2008 1:07:32 PM

DUT: Cisco; Type: CP-7925G

Medium Notes: Ambient Temp: 22.0 deg C; Fluid Temp: 21.6 deg C

Communication System: OFDM; ; Frequency: 5200 MHz; Duty Cycle: 1:1

Medium: 5200-5500-5800 MHz Head Medium parameters used: $f = 5200$ MHz; $\sigma = 4.72$ mho/m; $\epsilon_r = 35.4$; $\rho = 1000$ kg/m³

Phantom section: Right Section

- Probe: EX3DV3 - SN3511; ConvF(5.04, 5.04, 5.04); Calibrated: 5/16/2008
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn584; Calibrated: 4/2/2007
- Phantom: SAM with CRP; Type: SAM; Serial: TP 1310
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

Area Scan (61x91x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.815 mW/g

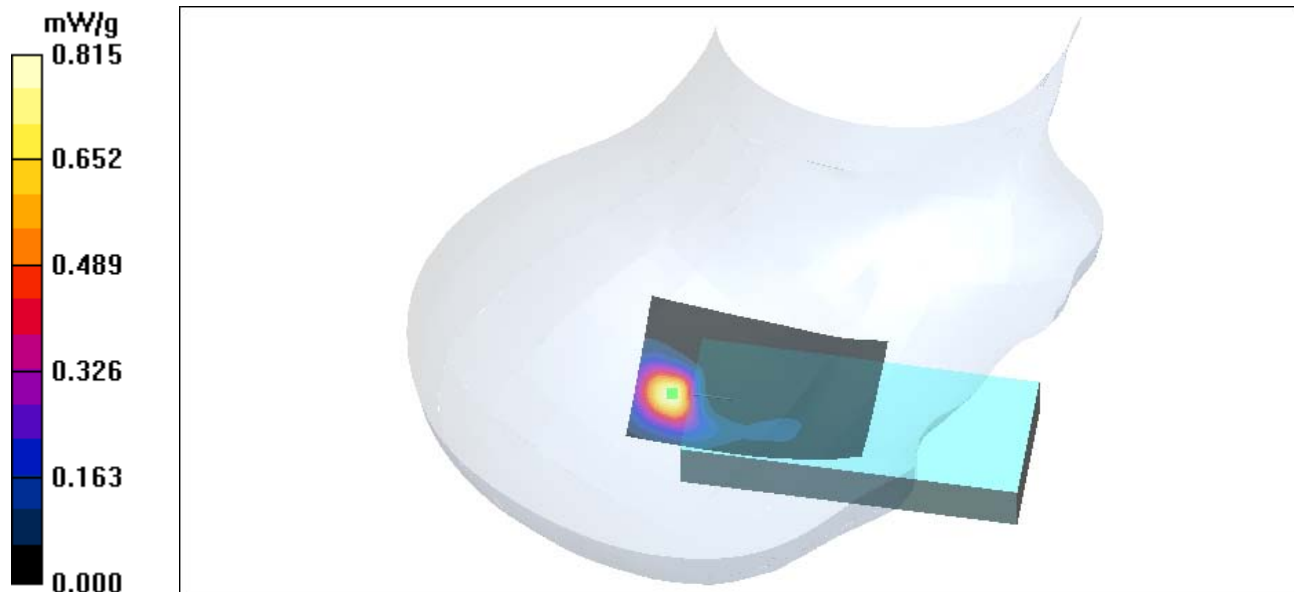
Zoom Scan (11x11x12)/Cube 0: Measurement grid: dx=3mm, dy=3mm, dz=2mm

Reference Value = 6.30 V/m; Power Drift = -0.242 dB

Peak SAR (extrapolated) = 1.51 W/kg

SAR(1 g) = 0.416 mW/g; SAR(10 g) = 0.135 mW/g

Maximum value of SAR (measured) = 0.808 mW/g



5260MHz Right Head Tilt

Date/Time: 9/9/2008 4:45:54 PM

DUT: Cisco; Type: CP-7925G

Medium Notes: Ambient Temp: 22.0 deg C; Fluid Temp: 21.6 deg C

Communication System: OFDM; ; Frequency: 5200 MHz; Duty Cycle: 1:1

Medium: 5200-5500-5800 MHz Head Medium parameters used: $f = 5200$ MHz; $\sigma = 4.72$ mho/m; $\epsilon_r = 35.4$; $\rho = 1000$ kg/m³

Phantom section: Right Section

- Probe: EX3DV3 - SN3511; ConvF(5.04, 5.04, 5.04); Calibrated: 5/16/2008
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn584; Calibrated: 4/2/2007
- Phantom: SAM with CRP; Type: SAM; Serial: TP 1310
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

Area Scan (61x91x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.959 mW/g

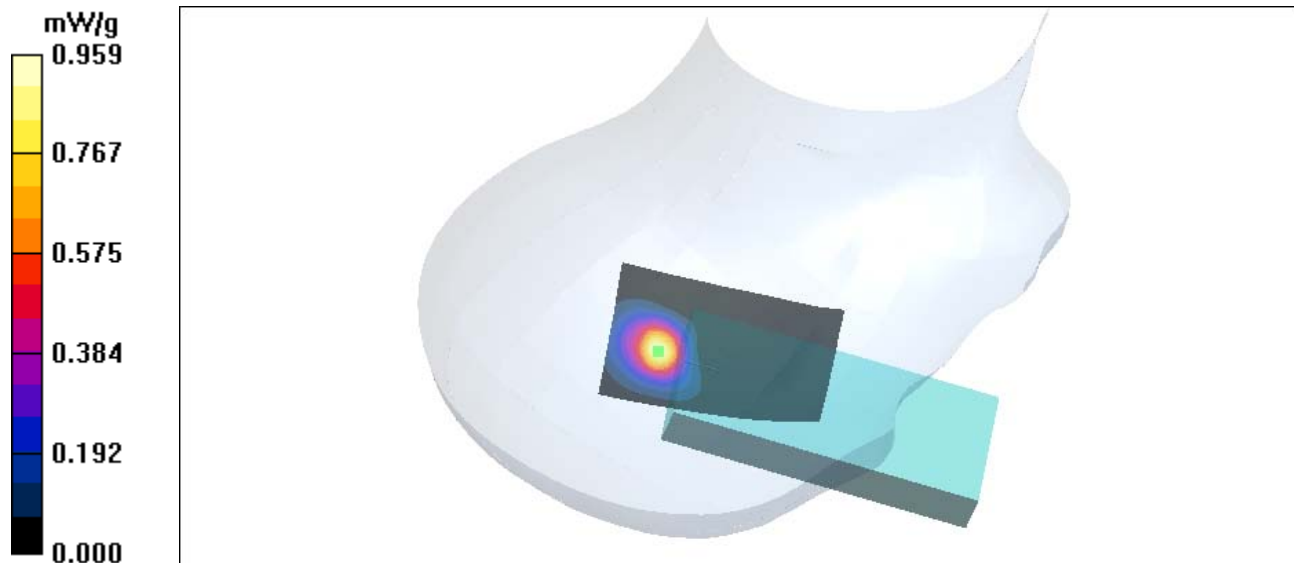
Zoom Scan (11x11x12)/Cube 0: Measurement grid: dx=3mm, dy=3mm, dz=2mm

Reference Value = 6.46 V/m; Power Drift = 0.267 dB

Peak SAR (extrapolated) = 1.68 W/kg

SAR(1 g) = 0.478 mW/g; SAR(10 g) = 0.166 mW/g

Maximum value of SAR (measured) = 0.927 mW/g



5320MHz Left Head Touch

Date/Time: 9/10/2008 2:26:31 PM

DUT: Cisco; Type: CP-7925G

Medium Notes: Ambient Temp: 22.0 deg C; Fluid Temp: 21.6 deg C

Communication System: OFDM; ; Frequency: 5200 MHz; Duty Cycle: 1:1

Medium: 5200-5500-5800 MHz Head Medium parameters used: $f = 5200$ MHz; $\sigma = 4.88$ mho/m; $\epsilon_r = 36.1$; $\rho = 1000$ kg/m³

Phantom section: Left Section

- Probe: EX3DV3 - SN3511; ConvF(5.04, 5.04, 5.04); Calibrated: 5/16/2008
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn584; Calibrated: 4/2/2007
- Phantom: SAM with CRP; Type: SAM; Serial: TP 1310
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

Area Scan (61x91x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.949 mW/g

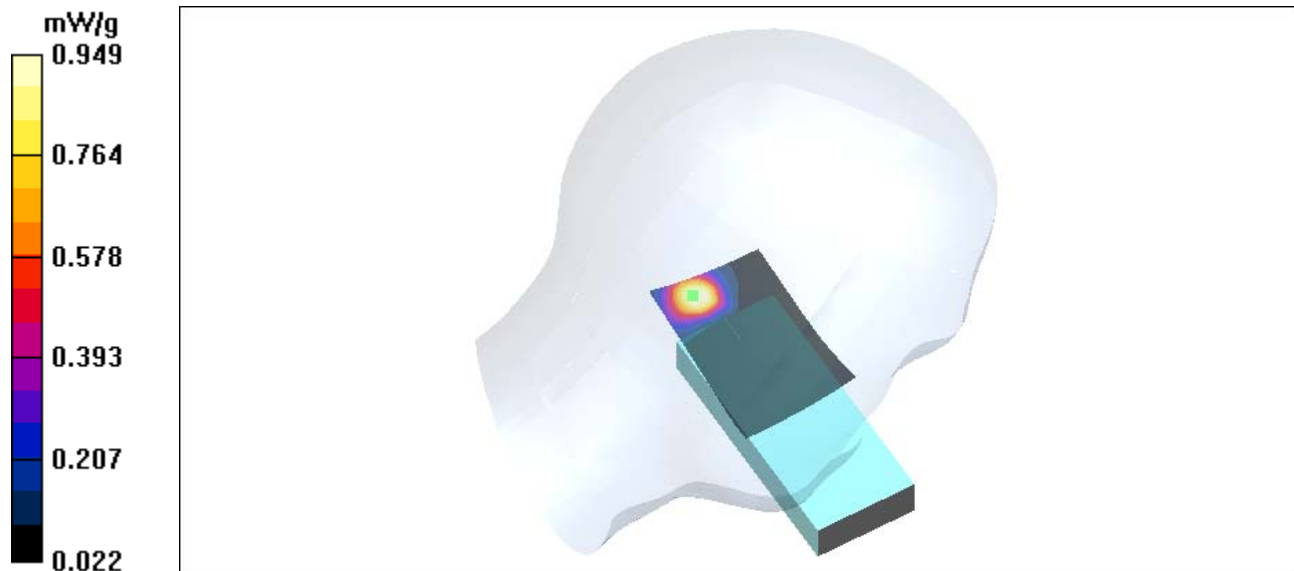
Zoom Scan (11x11x12)/Cube 0: Measurement grid: dx=3mm, dy=3mm, dz=2mm

Reference Value = 6.30 V/m; Power Drift = 0.068 dB

Peak SAR (extrapolated) = 1.68 W/kg

SAR(1 g) = 0.539 mW/g; SAR(10 g) = 0.227 mW/g

Maximum value of SAR (measured) = 0.959 mW/g



5320MHz Left Head Tilt

Date/Time: 9/10/2008 1:46:23 PM

DUT: Cisco; Type: CP-7925G

Medium Notes: Ambient Temp: 22.0 deg C; Fluid Temp: 21.6 deg C

Communication System: OFDM; ; Frequency: 5200 MHz; Duty Cycle: 1:1

Medium: 5200-5500-5800 MHz Head Medium parameters used: $f = 5200$ MHz; $\sigma = 4.88$ mho/m; $\epsilon_r = 36.1$; $\rho = 1000$ kg/m³

Phantom section: Left Section

- Probe: EX3DV3 - SN3511; ConvF(5.04, 5.04, 5.04); Calibrated: 5/16/2008
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn584; Calibrated: 4/2/2007
- Phantom: SAM with CRP; Type: SAM; Serial: TP 1310
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

Area Scan (61x91x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 1.10 mW/g

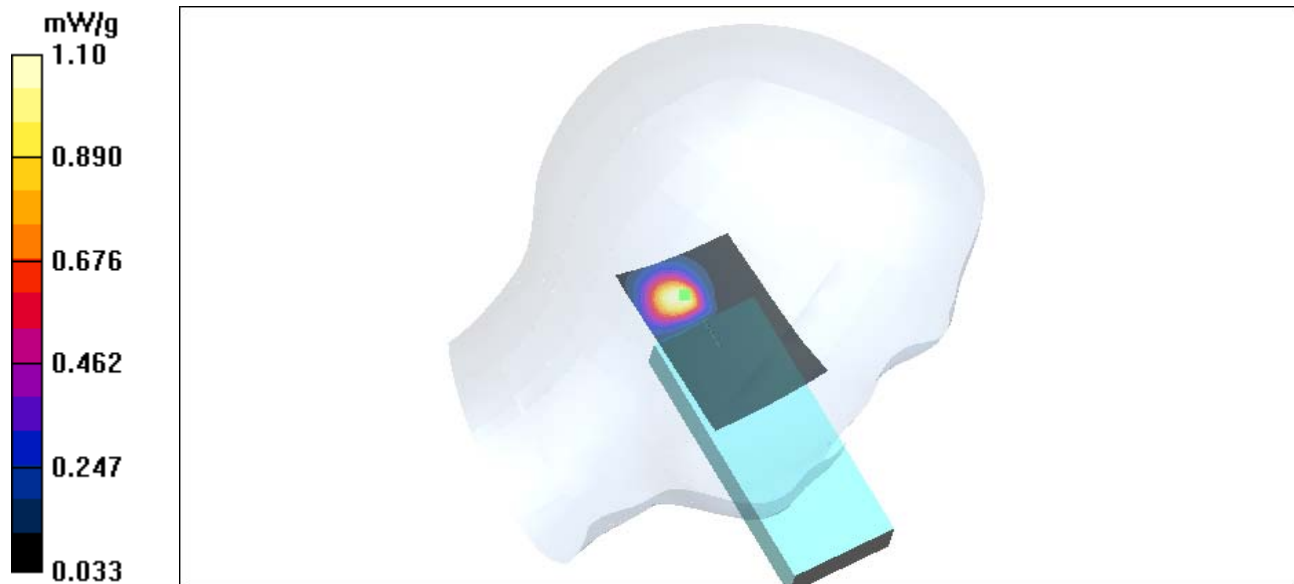
Zoom Scan (11x11x12)/Cube 0: Measurement grid: dx=3mm, dy=3mm, dz=2mm

Reference Value = 6.94 V/m; Power Drift = -0.005 dB

Peak SAR (extrapolated) = 1.88 W/kg

SAR(1 g) = 0.597 mW/g; SAR(10 g) = 0.245 mW/g

Maximum value of SAR (measured) = 1.06 mW/g



5320MHz Right Head Touch

Date/Time: 9/9/2008 1:51:53 PM

DUT: Cisco; Type: CP-7925G

Medium Notes: Ambient Temp: 22.0 deg C; Fluid Temp: 21.6 deg C

Communication System: OFDM; ; Frequency: 5200 MHz; Duty Cycle: 1:1

Medium: 5200-5500-5800 MHz Head Medium parameters used: $f = 5200$ MHz; $\sigma = 4.72$ mho/m; $\epsilon_r = 35.4$; $\rho = 1000$ kg/m³

Phantom section: Right Section

- Probe: EX3DV3 - SN3511; ConvF(5.04, 5.04, 5.04); Calibrated: 5/16/2008
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn584; Calibrated: 4/2/2007
- Phantom: SAM with CRP; Type: SAM; Serial: TP 1310
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

Area Scan (61x91x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.839 mW/g

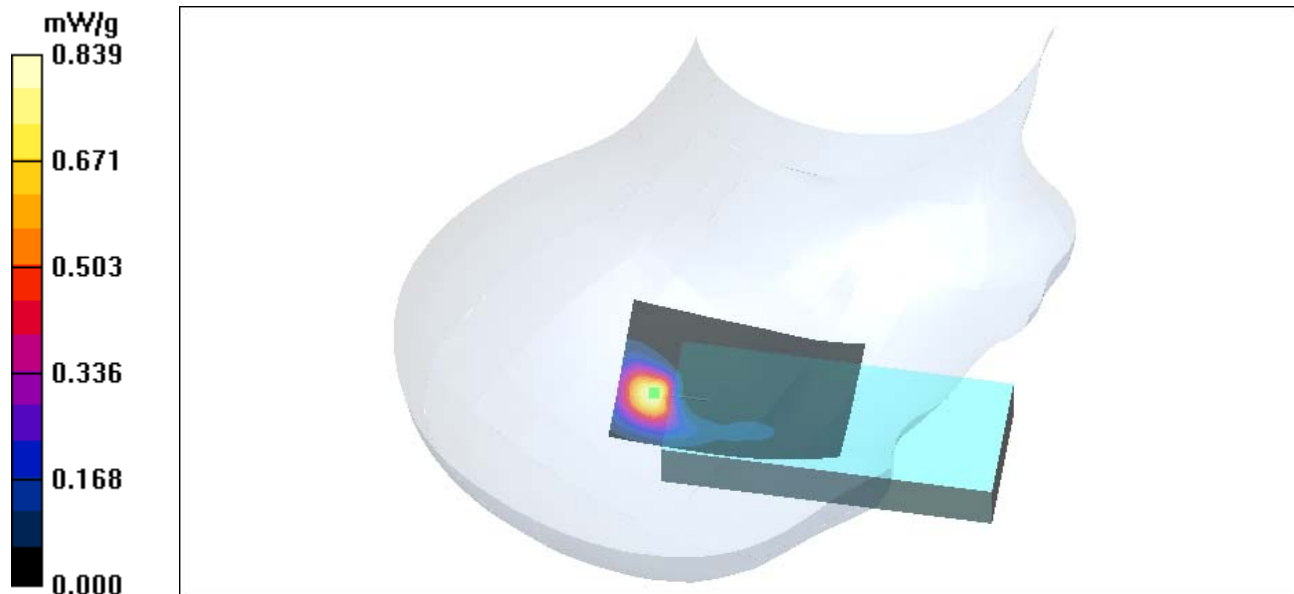
Zoom Scan (11x11x12)/Cube 0: Measurement grid: dx=3mm, dy=3mm, dz=2mm

Reference Value = 6.01 V/m; Power Drift = 0.331 dB

Peak SAR (extrapolated) = 1.48 W/kg

SAR(1 g) = 0.419 mW/g; SAR(10 g) = 0.138 mW/g

Maximum value of SAR (measured) = 0.804 mW/g



5320MHz Right Head Tilt

Date/Time: 9/9/2008 2:33:08 PM

DUT: Cisco; Type: CP-7925G

Medium Notes: Ambient Temp: 22.0 deg C; Fluid Temp: 21.6 deg C

Communication System: OFDM; ; Frequency: 5200 MHz; Duty Cycle: 1:1

Medium: 5200-5500-5800 MHz Head Medium parameters used: $f = 5200$ MHz; $\sigma = 4.72$ mho/m; $\epsilon_r = 35.4$; $\rho = 1000$ kg/m³

Phantom section: Right Section

- Probe: EX3DV3 - SN3511; ConvF(5.04, 5.04, 5.04); Calibrated: 5/16/2008
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn584; Calibrated: 4/2/2007
- Phantom: SAM with CRP; Type: SAM; Serial: TP 1310
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

Area Scan (61x91x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.893 mW/g

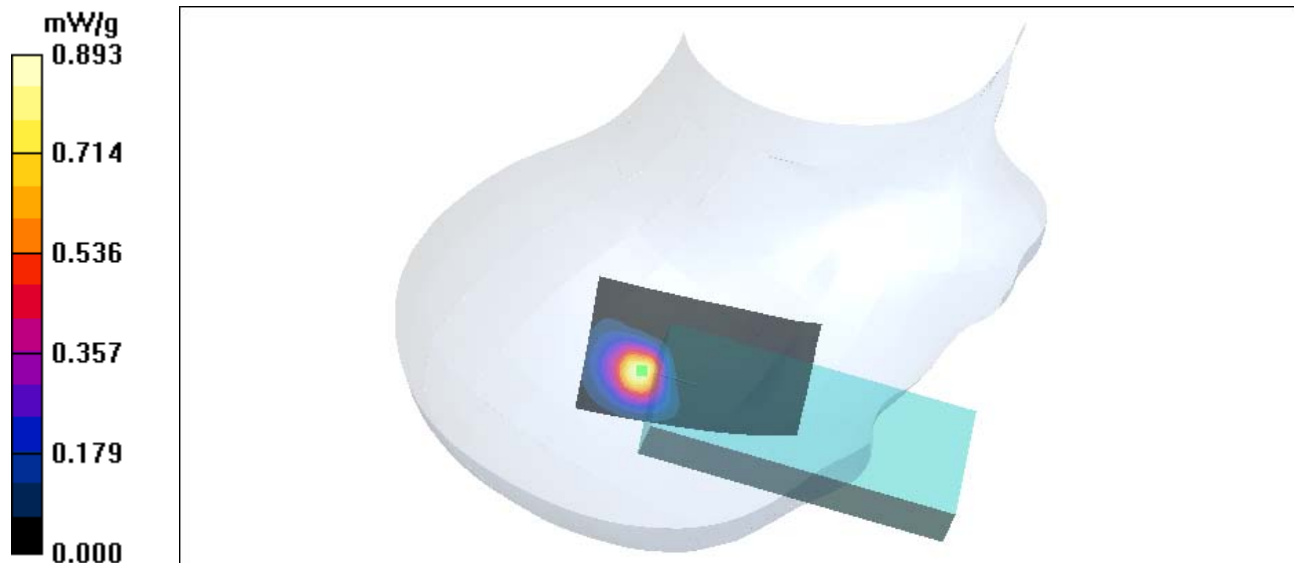
Zoom Scan (11x11x12)/Cube 0: Measurement grid: dx=3mm, dy=3mm, dz=2mm

Reference Value = 6.33 V/m; Power Drift = 0.042 dB

Peak SAR (extrapolated) = 1.62 W/kg

SAR(1 g) = 0.447 mW/g; SAR(10 g) = 0.149 mW/g

Maximum value of SAR (measured) = 0.868 mW/g



5520MHz Left Head Touch

Date/Time: 9/11/2008 9:42:04 PM

DUT: Cisco; Type: CP-7925G

Medium Notes: Ambient Temp: 22.0 deg C; Fluid Temp: 21.6 deg C

Communication System: OFDM; ; Frequency: 5500 MHz; Duty Cycle: 1:1

Medium: 5200-5500-5800 MHz Head Medium parameters used: $f = 5500$ MHz; $\sigma = 4.84$ mho/m; $\epsilon_r = 35.1$; $\rho = 1000$ kg/m³

Phantom section: Left Section

- Probe: EX3DV3 - SN3511; ConvF(4.61, 4.61, 4.61); Calibrated: 5/16/2008
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn584; Calibrated: 4/2/2007
- Phantom: SAM with CRP; Type: SAM; Serial: TP 1310
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

Area Scan (61x91x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 1.44 mW/g

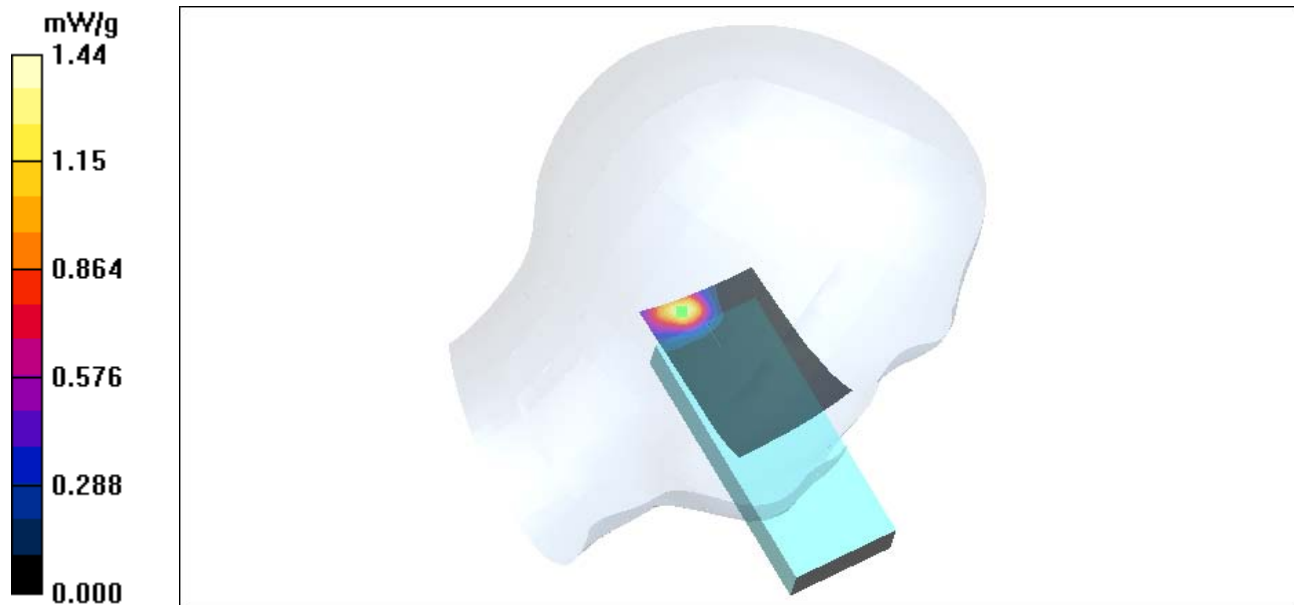
Zoom Scan (11x11x12)/Cube 0: Measurement grid: dx=3mm, dy=3mm, dz=2mm

Reference Value = 8.60 V/m; Power Drift = 0.033 dB

Peak SAR (extrapolated) = 2.35 W/kg

SAR(1 g) = 0.660 mW/g; SAR(10 g) = 0.242 mW/g

Maximum value of SAR (measured) = 1.27 mW/g



5520MHz Left Head Tilt

Date/Time: 9/12/2008 10:07:31 AM

DUT: Cisco; Type: CP-7925G

Medium Notes: Ambient Temp: 22.0 deg C; Fluid Temp: 21.6 deg C

Communication System: OFDM; ; Frequency: 5500 MHz; Duty Cycle: 1:1

Medium: 5200-5500-5800 MHz Head Medium parameters used: $f = 5500$ MHz; $\sigma = 4.75$ mho/m; $\epsilon_r = 35.5$; $\rho = 1000$ kg/m³

Phantom section: Left Section

- Probe: EX3DV3 - SN3511; ConvF(4.61, 4.61, 4.61); Calibrated: 5/16/2008
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn584; Calibrated: 4/2/2007
- Phantom: SAM with CRP; Type: SAM; Serial: TP 1310
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

Area Scan (61x91x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 1.79 mW/g

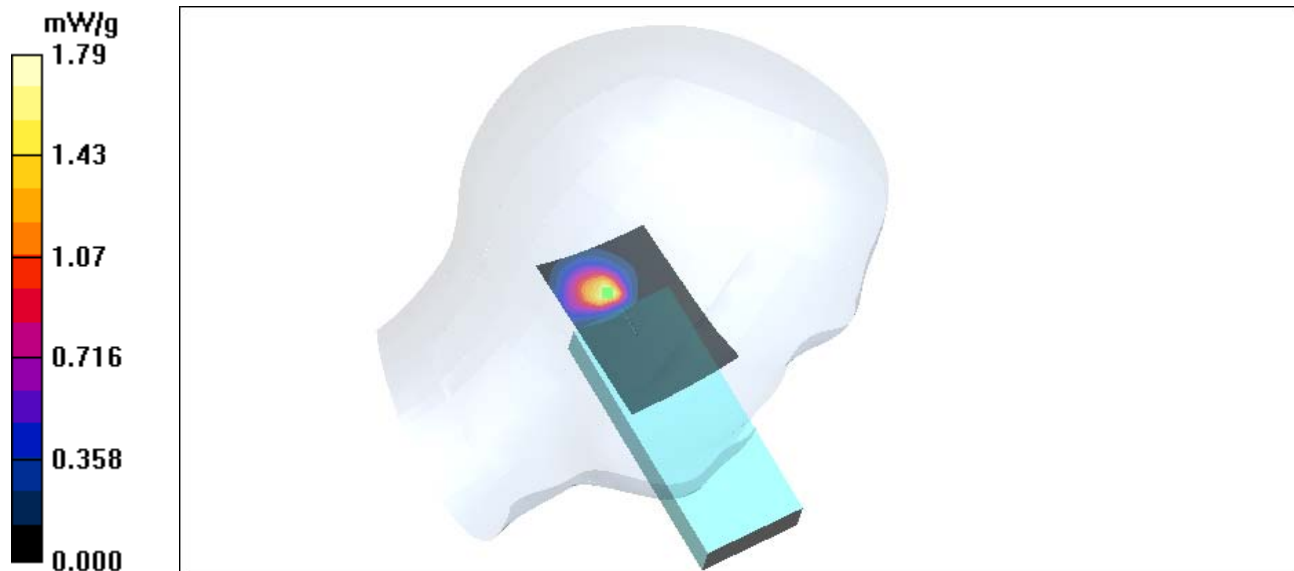
Zoom Scan (11x11x12)/Cube 0: Measurement grid: dx=3mm, dy=3mm, dz=2mm

Reference Value = 10.4 V/m; Power Drift = 0.062 dB

Peak SAR (extrapolated) = 3.03 W/kg

SAR(1 g) = 0.851 mW/g; SAR(10 g) = 0.295 mW/g

Maximum value of SAR (measured) = 1.69 mW/g



5520MHz Right Head Touch

Date/Time: 9/11/2008 5:29:39 PM

DUT: Cisco; Type: CP-7925G

Medium Notes: Ambient Temp: 22.0 deg C; Fluid Temp: 21.6 deg C

Communication System: OFDM; ; Frequency: 5500 MHz; Duty Cycle: 1:1

Medium: 5200-5500-5800 MHz Head Medium parameters used: $f = 5500$ MHz; $\sigma = 4.84$ mho/m; $\epsilon_r = 35.1$; $\rho = 1000$ kg/m³

Phantom section: Right Section

- Probe: EX3DV3 - SN3511; ConvF(4.61, 4.61, 4.61); Calibrated: 5/16/2008
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn584; Calibrated: 4/2/2007
- Phantom: SAM with CRP; Type: SAM; Serial: TP 1310
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

Area Scan (61x91x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 1.28 mW/g

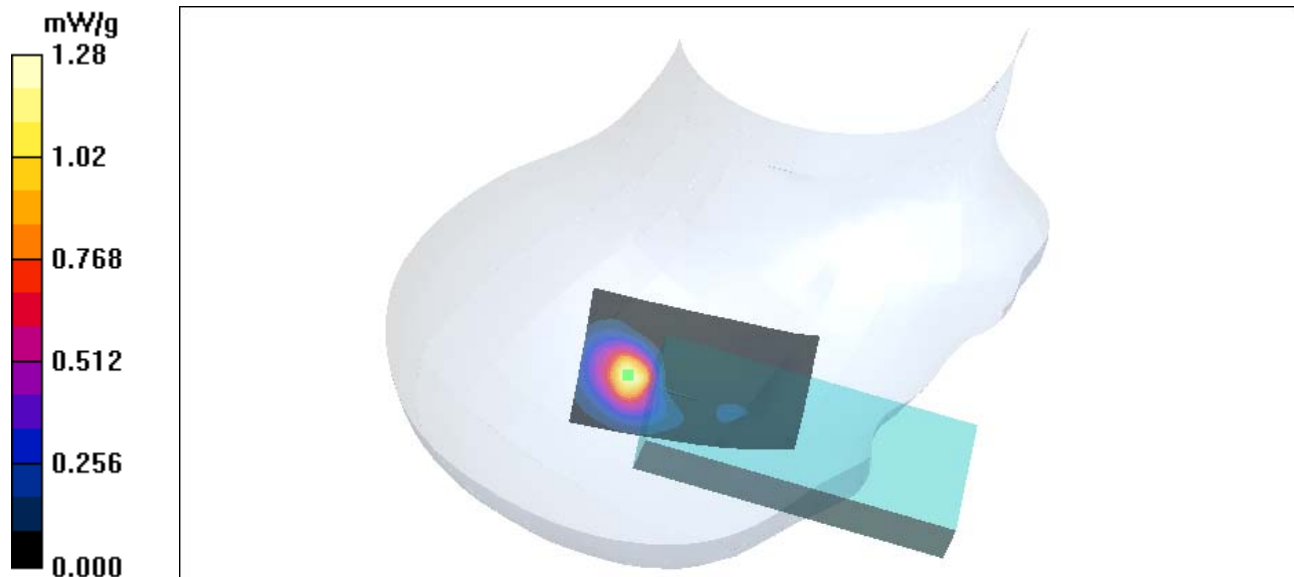
Zoom Scan (11x11x12)/Cube 0: Measurement grid: dx=3mm, dy=3mm, dz=2mm

Reference Value = 6.69 V/m; Power Drift = 0.229 dB

Peak SAR (extrapolated) = 2.24 W/kg

SAR(1 g) = 0.621 mW/g; SAR(10 g) = 0.215 mW/g

Maximum value of SAR (measured) = 1.20 mW/g



5520MHz Right Head Tilt

Date/Time: 9/9/2008 5:31:52 PM

DUT: Cisco; Type: CP-7925G

Medium Notes: Ambient Temp: 22.0 deg C; Fluid Temp: 21.6 deg C

Communication System: OFDM; ; Frequency: 5500 MHz; Duty Cycle: 1:1

Medium: 5200-5500-5800 MHz Head Medium parameters used: $f = 5500$ MHz; $\sigma = 5.08$ mho/m; $\epsilon_r = 34.8$; $\rho = 1000$ kg/m³

Phantom section: Right Section

- Probe: EX3DV3 - SN3511; ConvF(4.61, 4.61, 4.61); Calibrated: 5/16/2008
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn584; Calibrated: 4/2/2007
- Phantom: SAM with CRP; Type: SAM; Serial: TP 1310
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

Area Scan (61x91x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 1.69 mW/g

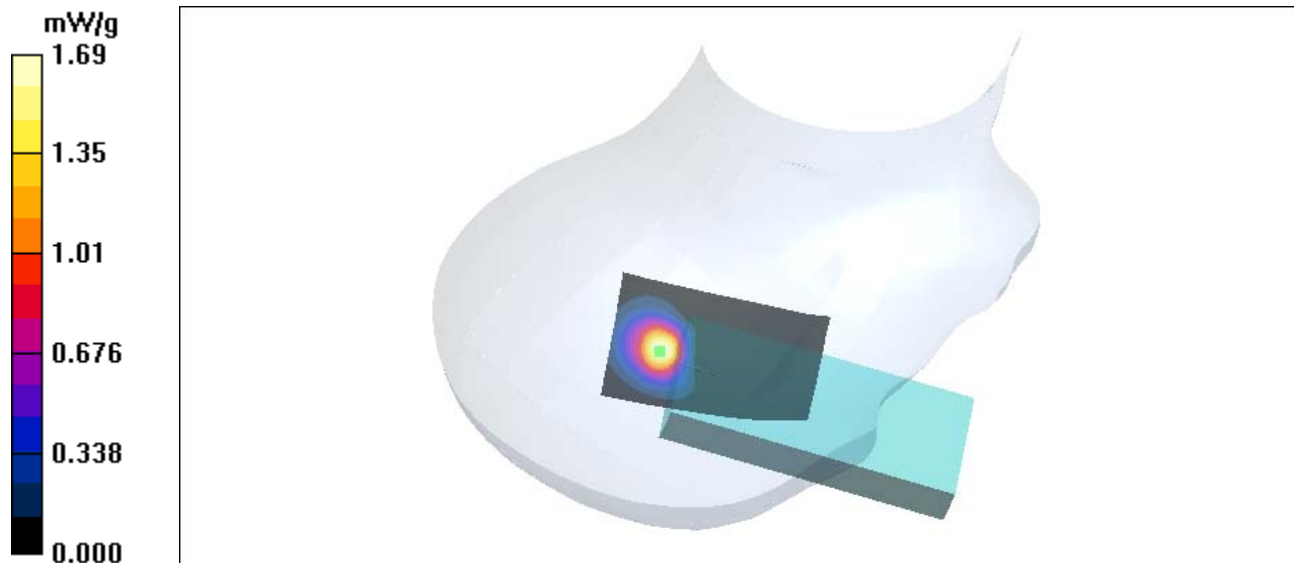
Zoom Scan (11x11x12)/Cube 0: Measurement grid: dx=3mm, dy=3mm, dz=2mm

Reference Value = 9.31 V/m; Power Drift = 0.188 dB

Peak SAR (extrapolated) = 3.12 W/kg

SAR(1 g) = 0.888 mW/g; SAR(10 g) = 0.306 mW/g

Maximum value of SAR (measured) = 1.72 mW/g



5580MHz Left Head Touch

Date/Time: 9/11/2008 9:01:42 PM

DUT: Cisco; Type: CP-7925G

Medium Notes: Ambient Temp: 22.0 deg C; Fluid Temp: 21.6 deg C

Communication System: OFDM; ; Frequency: 5500 MHz; Duty Cycle: 1:1

Medium: 5200-5500-5800 MHz Head Medium parameters used: $f = 5500$ MHz; $\sigma = 4.84$ mho/m; $\epsilon_r = 35.1$; $\rho = 1000$ kg/m³

Phantom section: Left Section

- Probe: EX3DV3 - SN3511; ConvF(4.61, 4.61, 4.61); Calibrated: 5/16/2008
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn584; Calibrated: 4/2/2007
- Phantom: SAM with CRP; Type: SAM; Serial: TP 1310
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

Area Scan (61x91x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 1.90 mW/g

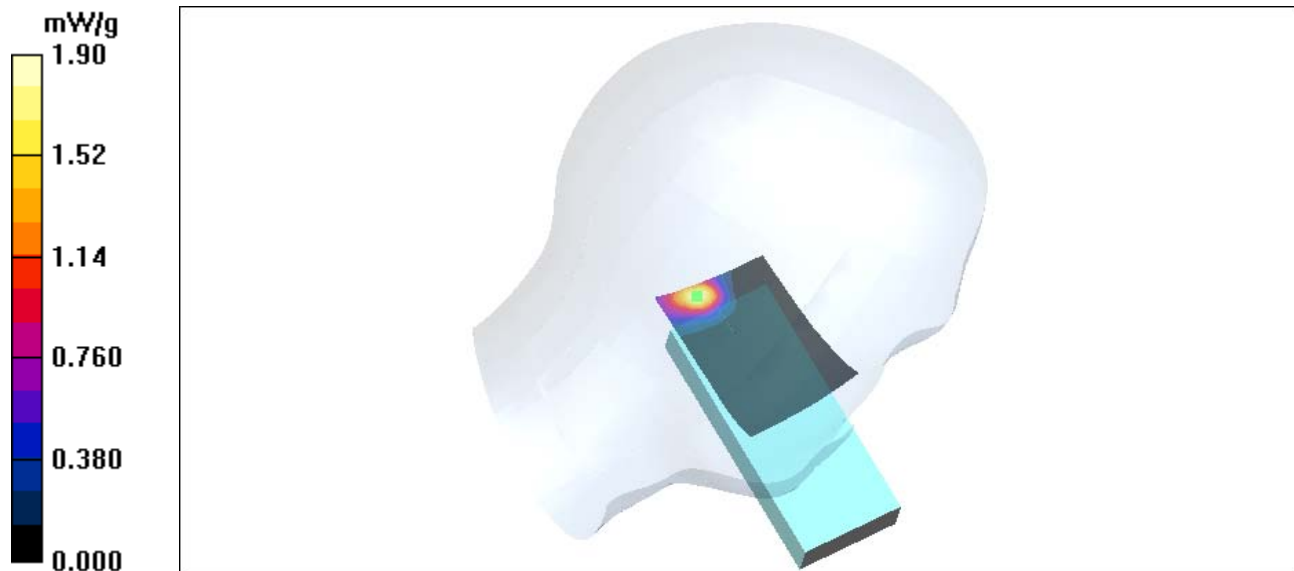
Zoom Scan (11x11x12)/Cube 0: Measurement grid: dx=3mm, dy=3mm, dz=2mm

Reference Value = 10.2 V/m; Power Drift = 0.075 dB

Peak SAR (extrapolated) = 3.24 W/kg

SAR(1 g) = 0.884 mW/g; SAR(10 g) = 0.319 mW/g

Maximum value of SAR (measured) = 1.71 mW/g



5580MHz Left Head Tilt

Date/Time: 9/12/2008 9:24:43 AM

DUT: Cisco; Type: CP-7925G

Medium Notes: Ambient Temp: 22.0 deg C; Fluid Temp: 21.6 deg C

Communication System: OFDM; ; Frequency: 5500 MHz; Duty Cycle: 1:1

Medium: 5200-5500-5800 MHz Head Medium parameters used: $f = 5500$ MHz; $\sigma = 4.75$ mho/m; $\epsilon_r = 35.5$; $\rho = 1000$ kg/m³

Phantom section: Left Section

- Probe: EX3DV3 - SN3511; ConvF(4.61, 4.61, 4.61); Calibrated: 5/16/2008
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn584; Calibrated: 4/2/2007
- Phantom: SAM with CRP; Type: SAM; Serial: TP 1310
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

Area Scan (61x91x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 2.42 mW/g

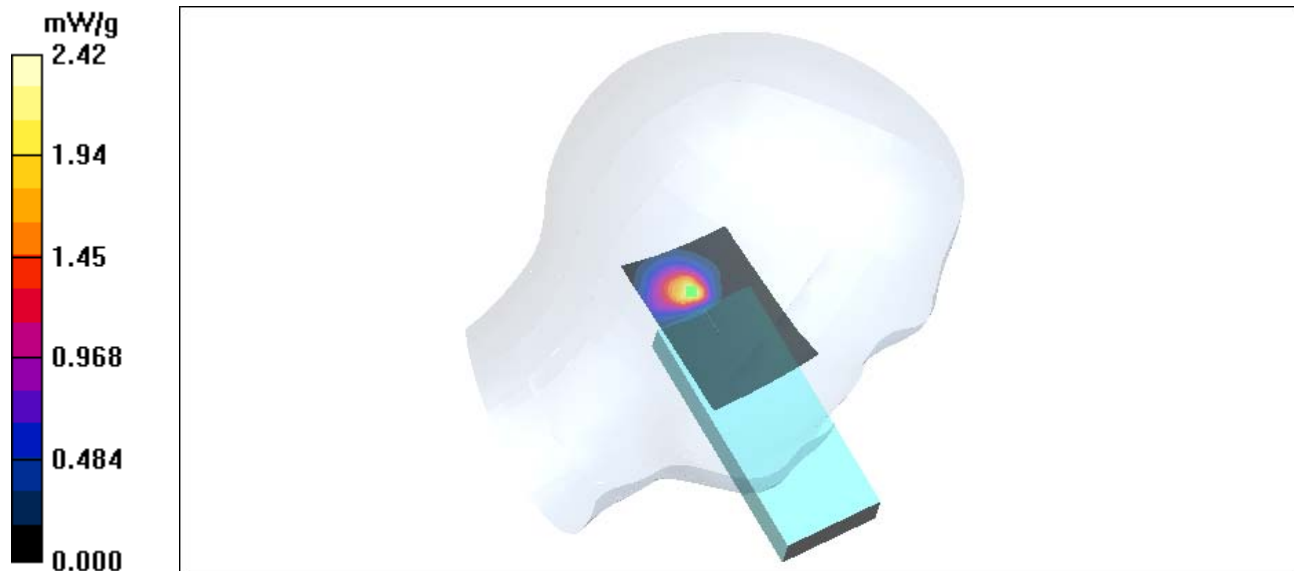
Zoom Scan (11x11x12)/Cube 0: Measurement grid: dx=3mm, dy=3mm, dz=2mm

Reference Value = 12.9 V/m; Power Drift = -0.060 dB

Peak SAR (extrapolated) = 4.11 W/kg

SAR(1 g) = 1.13 mW/g; SAR(10 g) = 0.388 mW/g

Maximum value of SAR (measured) = 2.25 mW/g



5580MHz Right Head Touch

Date/Time: 9/11/2008 4:47:04 PM

DUT: Cisco; Type: CP-7925G

Medium Notes: Ambient Temp: 22.0 deg C; Fluid Temp: 21.6 deg C

Communication System: OFDM; ; Frequency: 5500 MHz; Duty Cycle: 1:1

Medium: 5200-5500-5800 MHz Head Medium parameters used: $f = 5500$ MHz; $\sigma = 4.84$ mho/m; $\epsilon_r = 35.1$; $\rho = 1000$ kg/m³

Phantom section: Right Section

- Probe: EX3DV3 - SN3511; ConvF(4.61, 4.61, 4.61); Calibrated: 5/16/2008
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn584; Calibrated: 4/2/2007
- Phantom: SAM with CRP; Type: SAM; Serial: TP 1310
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

Area Scan (61x91x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 1.86 mW/g

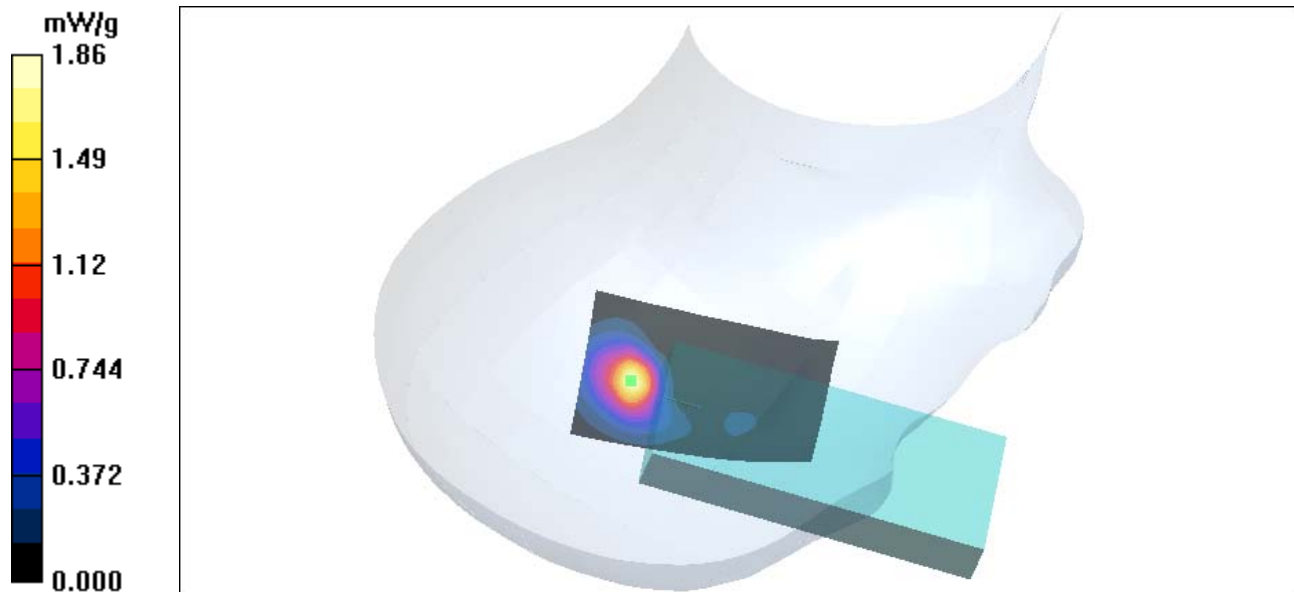
Zoom Scan (11x11x12)/Cube 0: Measurement grid: dx=3mm, dy=3mm, dz=2mm

Reference Value = 6.84 V/m; Power Drift = 0.172 dB

Peak SAR (extrapolated) = 3.09 W/kg

SAR(1 g) = 0.870 mW/g; SAR(10 g) = 0.295 mW/g

Maximum value of SAR (measured) = 1.67 mW/g



5580MHz Right Head Tilt

Date/Time: 9/9/2008 6:12:11 PM

DUT: Cisco; Type: CP-7925G

Medium Notes: Ambient Temp: 22.0 deg C; Fluid Temp: 21.6 deg C

Communication System: OFDM; ; Frequency: 5500 MHz; Duty Cycle: 1:1

Medium: 5200-5500-5800 MHz Head Medium parameters used: $f = 5500$ MHz; $\sigma = 5.08$ mho/m; $\epsilon_r = 34.8$; $\rho = 1000$ kg/m³

Phantom section: Right Section

- Probe: EX3DV3 - SN3511; ConvF(4.61, 4.61, 4.61); Calibrated: 5/16/2008
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn584; Calibrated: 4/2/2007
- Phantom: SAM with CRP; Type: SAM; Serial: TP 1310
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

Area Scan (61x91x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 2.30 mW/g

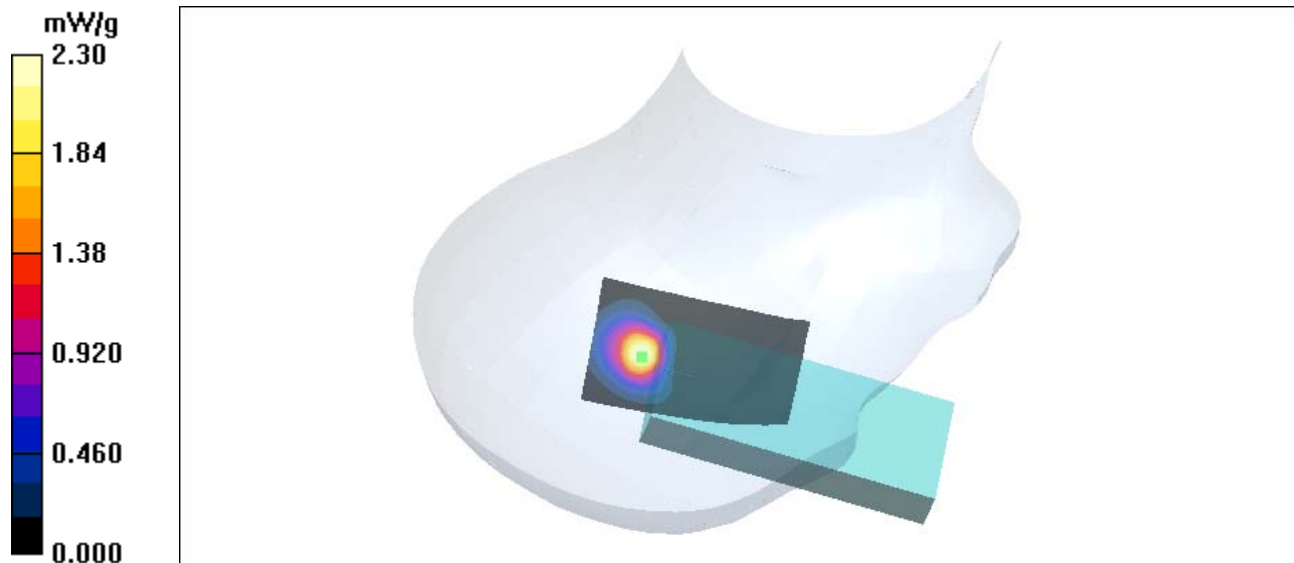
Zoom Scan (11x11x12)/Cube 0: Measurement grid: dx=3mm, dy=3mm, dz=2mm

Reference Value = 11.4 V/m; Power Drift = 0.157 dB

Peak SAR (extrapolated) = 4.51 W/kg

SAR(1 g) = 1.24 mW/g; SAR(10 g) = 0.421 mW/g

Maximum value of SAR (measured) = 2.43 mW/g



5580MHz Right Head Tilt Extended Battery

Date/Time: 9/12/2008 12:46:48 PM

DUT: Cisco; Type: CP-7925G

Medium Notes: Ambient Temp: 22.0 deg C; Fluid Temp: 21.6 deg C

Communication System: OFDM; ; Frequency: 5500 MHz; Duty Cycle: 1:1

Medium: 5200-5500-5800 MHz Head Medium parameters used: $f = 5500$ MHz; $\sigma = 5.08$ mho/m; $\epsilon_r = 34.8$; $\rho = 1000$ kg/m³

Phantom section: Right Section

- Probe: EX3DV3 - SN3511; ConvF(4.61, 4.61, 4.61); Calibrated: 5/16/2008
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn584; Calibrated: 4/2/2007
- Phantom: SAM with CRP; Type: SAM; Serial: TP 1310
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

Area Scan (61x91x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 2.18 mW/g

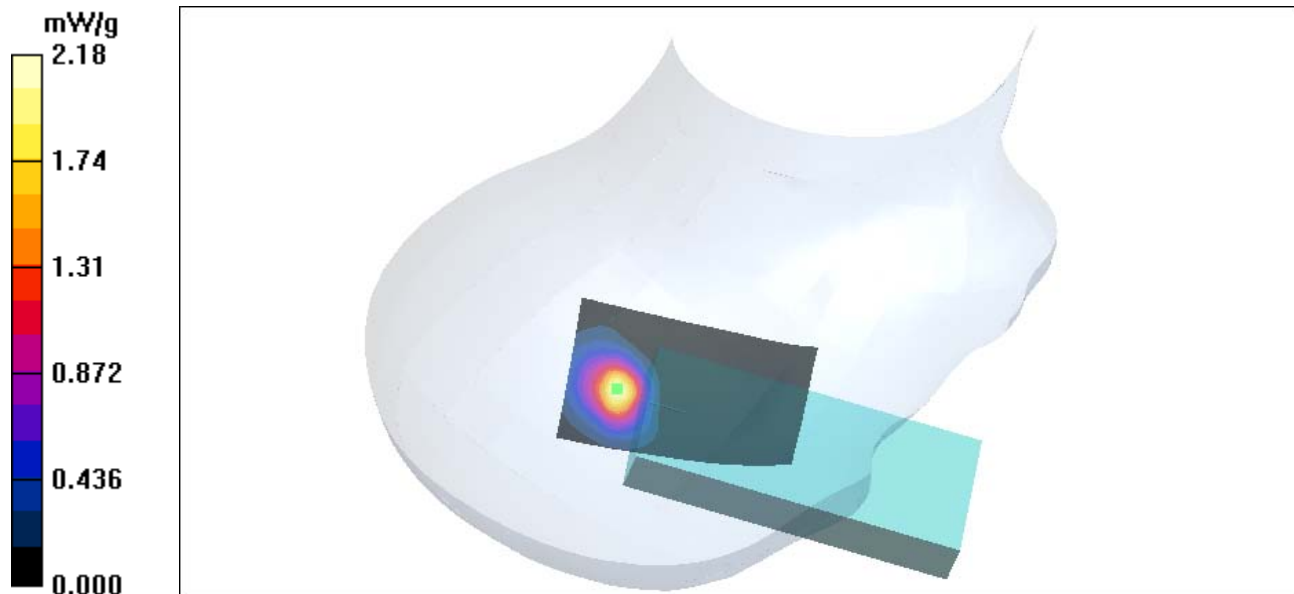
Zoom Scan (11x11x12)/Cube 0: Measurement grid: dx=3mm, dy=3mm, dz=2mm

Reference Value = 8.37 V/m; Power Drift = 0.087 dB

Peak SAR (extrapolated) = 3.72 W/kg

SAR(1 g) = 1.03 mW/g; SAR(10 g) = 0.353 mW/g

Maximum value of SAR (measured) = 1.99 mW/g



5620MHz Left Head Touch

Date/Time: 9/11/2008 8:15:09 PM

DUT: Cisco; Type: CP-7925G

Medium Notes: Ambient Temp: 22.0 deg C; Fluid Temp: 21.6 deg C

Communication System: OFDM; ; Frequency: 5500 MHz; Duty Cycle: 1:1

Medium: 5200-5500-5800 MHz Head Medium parameters used: $f = 5500$ MHz; $\sigma = 4.84$ mho/m; $\epsilon_r = 35.1$; $\rho = 1000$ kg/m³

Phantom section: Left Section

- Probe: EX3DV3 - SN3511; ConvF(4.61, 4.61, 4.61); Calibrated: 5/16/2008
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn584; Calibrated: 4/2/2007
- Phantom: SAM with CRP; Type: SAM; Serial: TP 1310
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

Area Scan (61x91x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 2.15 mW/g

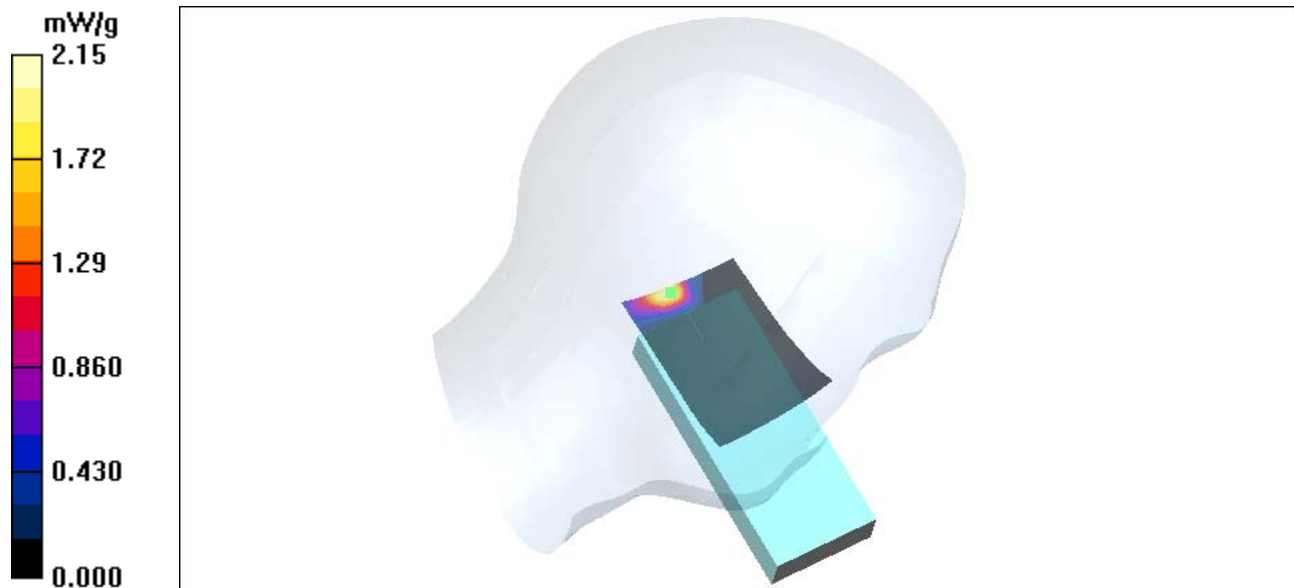
Zoom Scan (11x11x12)/Cube 0: Measurement grid: dx=3mm, dy=3mm, dz=2mm

Reference Value = 9.66 V/m; Power Drift = 0.005 dB

Peak SAR (extrapolated) = 3.51 W/kg

SAR(1 g) = 0.993 mW/g; SAR(10 g) = 0.360 mW/g

Maximum value of SAR (measured) = 1.88 mW/g



5620MHz Left Head Tilt

Date/Time: 9/12/2008 8:42:54 AM

DUT: Cisco; Type: CP-7925G

Medium Notes: Ambient Temp: 22.0 deg C; Fluid Temp: 21.6 deg C

Communication System: OFDM; ; Frequency: 5500 MHz; Duty Cycle: 1:1

Medium: 5200-5500-5800 MHz Head Medium parameters used: $f = 5500$ MHz; $\sigma = 4.75$ mho/m; $\epsilon_r = 35.5$; $\rho = 1000$ kg/m³

Phantom section: Left Section

- Probe: EX3DV3 - SN3511; ConvF(4.61, 4.61, 4.61); Calibrated: 5/16/2008
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn584; Calibrated: 4/2/2007
- Phantom: SAM with CRP; Type: SAM; Serial: TP 1310
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

Area Scan (61x91x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 2.53 mW/g

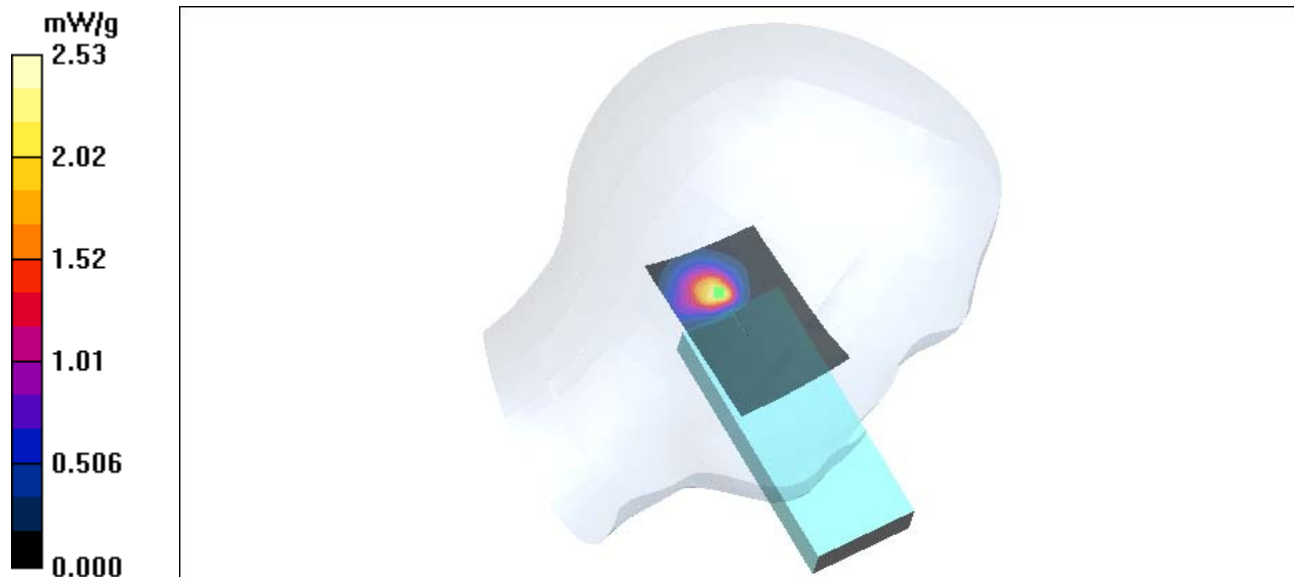
Zoom Scan (11x11x12)/Cube 0: Measurement grid: dx=3mm, dy=3mm, dz=2mm

Reference Value = 13.2 V/m; Power Drift = -0.069 dB

Peak SAR (extrapolated) = 4.44 W/kg

SAR(1 g) = 1.21 mW/g; SAR(10 g) = 0.406 mW/g

Maximum value of SAR (measured) = 2.38 mW/g



5620MHz Right Head Touch

Date/Time: 9/11/2008 4:06:20 PM

DUT: Cisco; Type: CP-7925G

Medium Notes: Ambient Temp: 22.0 deg C; Fluid Temp: 21.6 deg C

Communication System: OFDM; ; Frequency: 5500 MHz; Duty Cycle: 1:1

Medium: 5200-5500-5800 MHz Head Medium parameters used: $f = 5500$ MHz; $\sigma = 4.84$ mho/m; $\epsilon_r = 35.1$; $\rho = 1000$ kg/m³

Phantom section: Right Section

- Probe: EX3DV3 - SN3511; ConvF(4.61, 4.61, 4.61); Calibrated: 5/16/2008
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn584; Calibrated: 4/2/2007
- Phantom: SAM with CRP; Type: SAM; Serial: TP 1310
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

Area Scan (61x91x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 2.04 mW/g

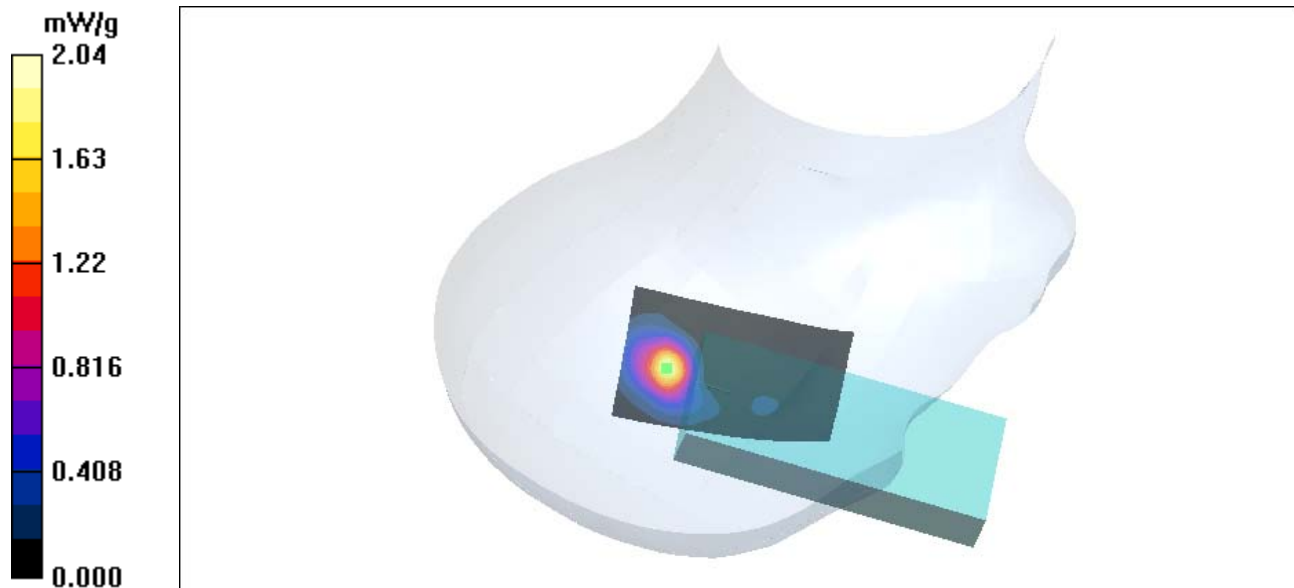
Zoom Scan (11x11x12)/Cube 0: Measurement grid: dx=3mm, dy=3mm, dz=2mm

Reference Value = 7.27 V/m; Power Drift = 0.289 dB

Peak SAR (extrapolated) = 3.44 W/kg

SAR(1 g) = 0.955 mW/g; SAR(10 g) = 0.319 mW/g

Maximum value of SAR (measured) = 1.87 mW/g



5620MHz Right Head Tilt

Date/Time: 9/11/2008 1:49:52 PM

DUT: Cisco; Type: CP-7925G

Medium Notes: Ambient Temp: 22.0 deg C; Fluid Temp: 21.6 deg C

Communication System: OFDM; ; Frequency: 5500 MHz; Duty Cycle: 1:1

Medium: 5200-5500-5800 MHz Head Medium parameters used: $f = 5500$ MHz; $\sigma = 4.84$ mho/m; $\epsilon_r = 35.1$; $\rho = 1000$ kg/m³

Phantom section: Right Section

- Probe: EX3DV3 - SN3511; ConvF(4.61, 4.61, 4.61); Calibrated: 5/16/2008
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn584; Calibrated: 4/2/2007
- Phantom: SAM with CRP; Type: SAM; Serial: TP 1310
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

Area Scan (61x91x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 2.10 mW/g

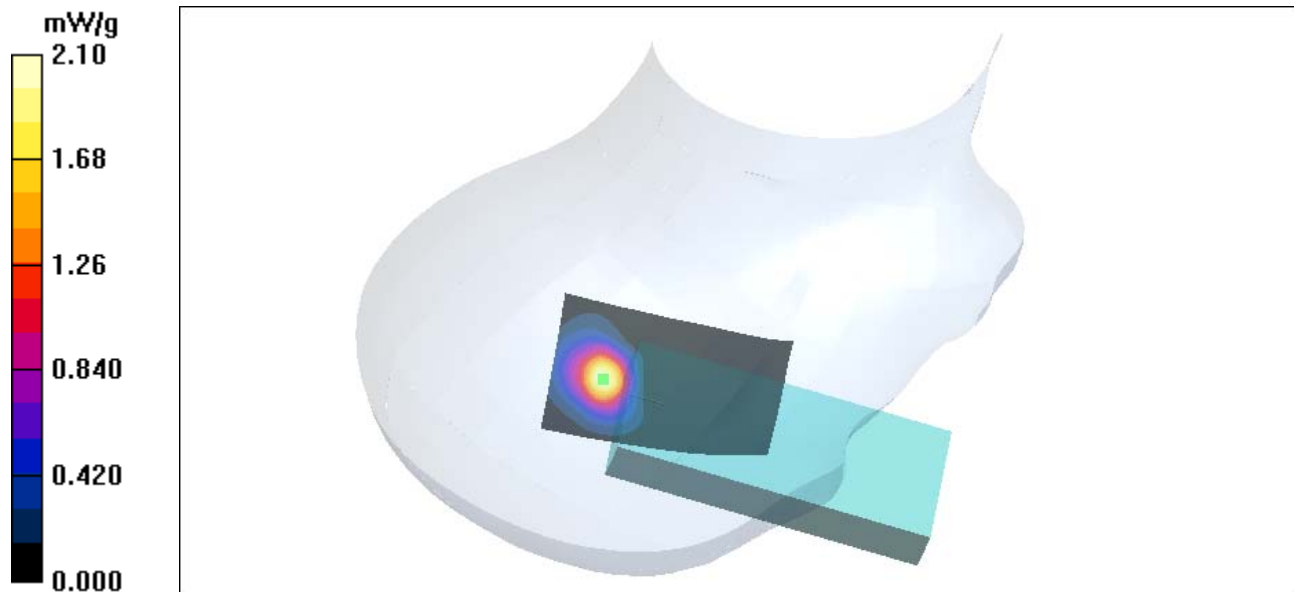
Zoom Scan (11x11x12)/Cube 0: Measurement grid: dx=3mm, dy=3mm, dz=2mm

Reference Value = 10.0 V/m; Power Drift = 0.058 dB

Peak SAR (extrapolated) = 3.92 W/kg

SAR(1 g) = 1.08 mW/g; SAR(10 g) = 0.363 mW/g

Maximum value of SAR (measured) = 2.17 mW/g



5680MHz Left Head Touch

Date/Time: 9/11/2008 10:22:56 PM

DUT: Cisco; Type: CP-7925G

Medium Notes: Ambient Temp: 22.0 deg C; Fluid Temp: 21.6 deg C

Communication System: OFDM; ; Frequency: 5500 MHz; Duty Cycle: 1:1

Medium: 5200-5500-5800 MHz Head Medium parameters used: $f = 5500$ MHz; $\sigma = 4.84$ mho/m; $\epsilon_r = 35.1$; $\rho = 1000$ kg/m³

Phantom section: Left Section

- Probe: EX3DV3 - SN3511; ConvF(4.61, 4.61, 4.61); Calibrated: 5/16/2008
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn584; Calibrated: 4/2/2007
- Phantom: SAM with CRP; Type: SAM; Serial: TP 1310
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

Area Scan (61x91x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 1.59 mW/g

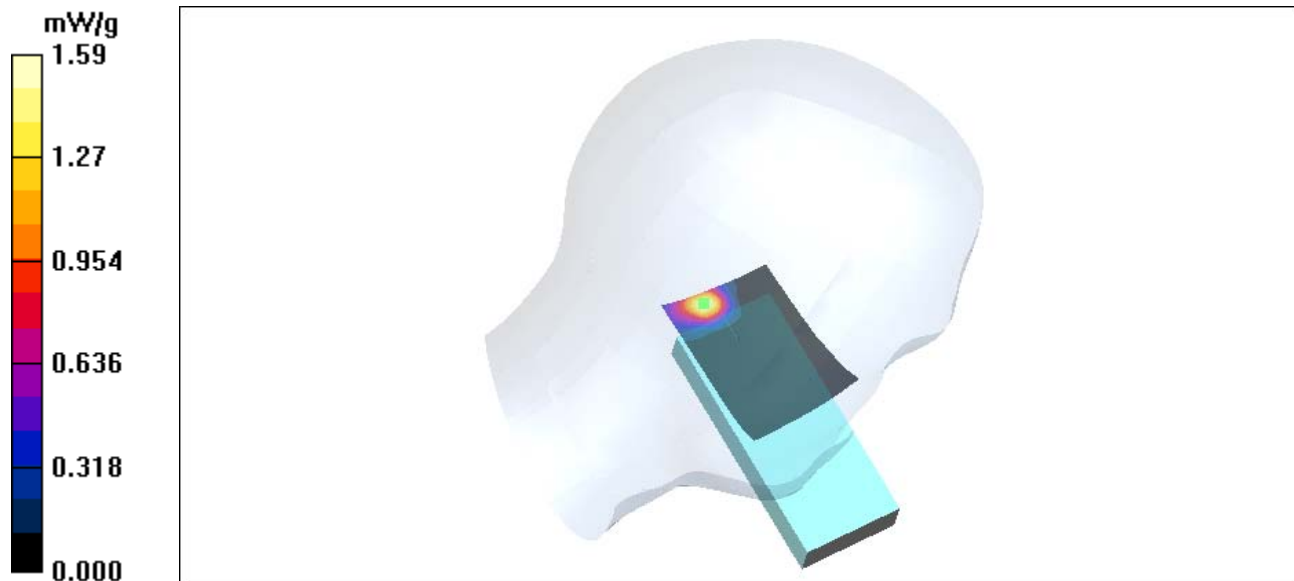
Zoom Scan (11x11x12)/Cube 0: Measurement grid: dx=3mm, dy=3mm, dz=2mm

Reference Value = 9.46 V/m; Power Drift = 0.071 dB

Peak SAR (extrapolated) = 2.85 W/kg

SAR(1 g) = 0.743 mW/g; SAR(10 g) = 0.257 mW/g

Maximum value of SAR (measured) = 1.48 mW/g



5680MHz Left Head Tilt

Date/Time: 9/10/2008 9:38:36 AM

DUT: Cisco; Type: CP-7925G

Medium Notes: Ambient Temp: 22.0 deg C; Fluid Temp: 21.6 deg C

Communication System: OFDM; ; Frequency: 5500 MHz; Duty Cycle: 1:1

Medium: 5200-5500-5800 MHz Head Medium parameters used: $f = 5500$ MHz; $\sigma = 5.2$ mho/m; $\epsilon_r = 35.5$; $\rho = 1000$ kg/m³

Phantom section: Left Section

- Probe: EX3DV3 - SN3511; ConvF(4.61, 4.61, 4.61); Calibrated: 5/16/2008
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn584; Calibrated: 4/2/2007
- Phantom: SAM with CRP; Type: SAM; Serial: TP 1310
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

Area Scan (61x91x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 4.67 mW/g

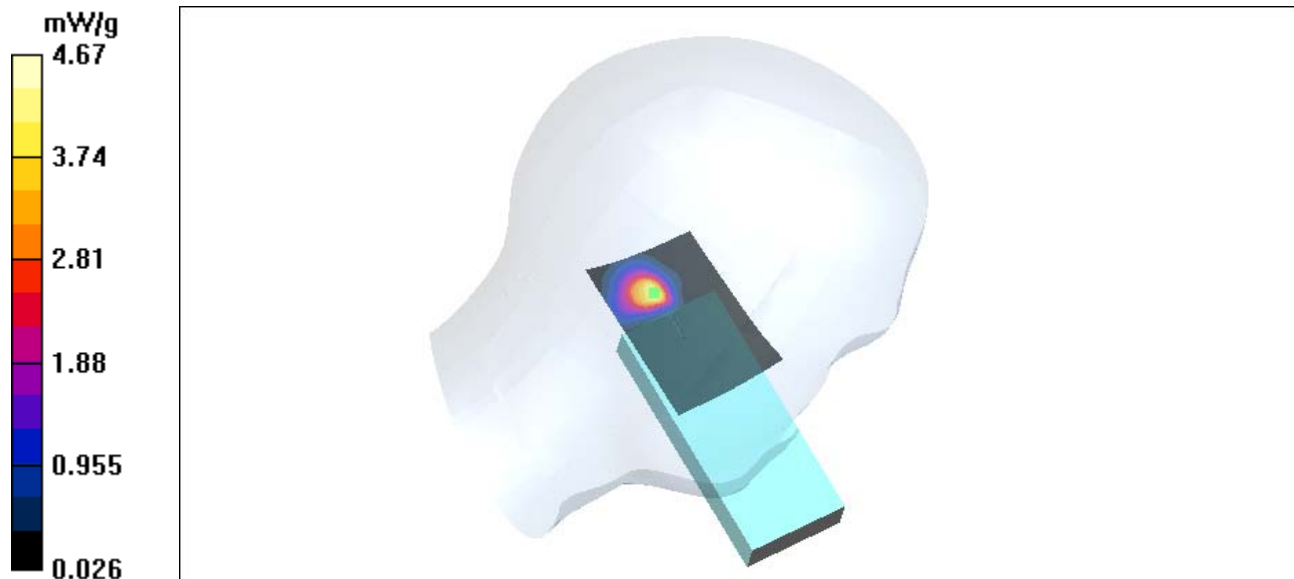
Zoom Scan (11x11x12)/Cube 0: Measurement grid: dx=3mm, dy=3mm, dz=2mm

Reference Value = 15.1 V/m; Power Drift = -0.216 dB

Peak SAR (extrapolated) = 3.71 W/kg

SAR(1 g) = 1.04 mW/g; SAR(10 g) = 0.389 mW/g

Maximum value of SAR (measured) = 2.03 mW/g



5680MHz Right Head Touch

Date/Time: 9/11/2008 2:54:23 PM

DUT: Cisco; Type: CP-7925G

Medium Notes: Ambient Temp: 22.0 deg C; Fluid Temp: 21.6 deg C

Communication System: OFDM; ; Frequency: 5500 MHz; Duty Cycle: 1:1

Medium: 5200-5500-5800 MHz Head Medium parameters used: $f = 5500$ MHz; $\sigma = 4.84$ mho/m; $\epsilon_r = 35.1$; $\rho = 1000$ kg/m³

Phantom section: Right Section

- Probe: EX3DV3 - SN3511; ConvF(4.61, 4.61, 4.61); Calibrated: 5/16/2008
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn584; Calibrated: 4/2/2007
- Phantom: SAM with CRP; Type: SAM; Serial: TP 1310
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

Area Scan (61x91x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 1.70 mW/g

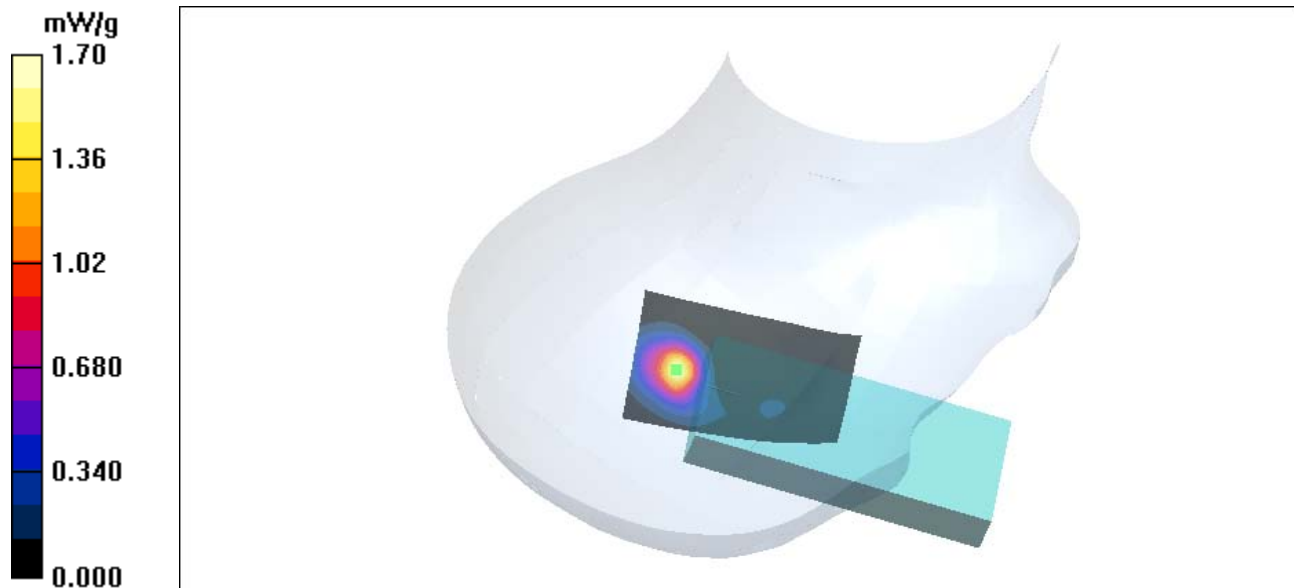
Zoom Scan (11x11x12)/Cube 0: Measurement grid: dx=3mm, dy=3mm, dz=2mm

Reference Value = 6.45 V/m; Power Drift = 0152 dB

Peak SAR (extrapolated) = 2.87 W/kg

SAR(1 g) = 0.793 mW/g; SAR(10 g) = 0.263 mW/g

Maximum value of SAR (measured) = 1.54 mW/g



5680MHz Right Head Tilt

Date/Time: 9/11/2008 1:01:51 PM

DUT: Cisco; Type: CP-7925G

Medium Notes: Ambient Temp: 22.0 deg C; Fluid Temp: 21.6 deg C

Communication System: OFDM; ; Frequency: 5500 MHz; Duty Cycle: 1:1

Medium: 5200-5500-5800 MHz Head Medium parameters used: $f = 5500$ MHz; $\sigma = 4.84$ mho/m; $\epsilon_r = 35.1$; $\rho = 1000$ kg/m³

Phantom section: Right Section

- Probe: EX3DV3 - SN3511; ConvF(4.61, 4.61, 4.61); Calibrated: 5/16/2008
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn584; Calibrated: 4/2/2007
- Phantom: SAM with CRP; Type: SAM; Serial: TP 1310
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

Area Scan (61x91x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 1.75 mW/g

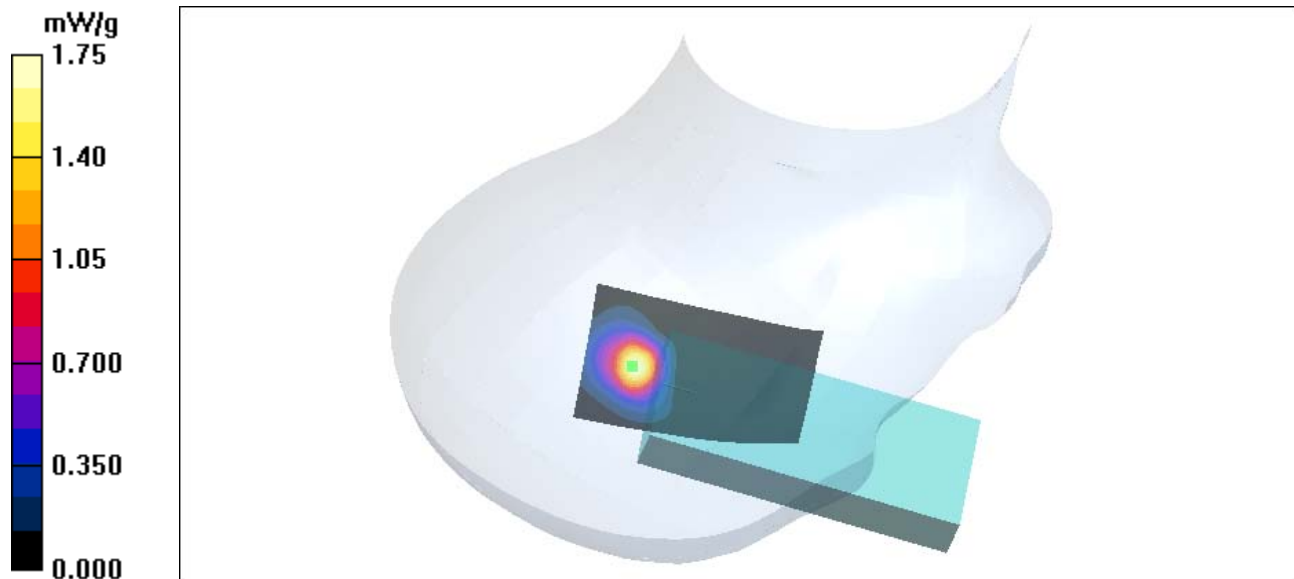
Zoom Scan (11x11x12)/Cube 0: Measurement grid: dx=3mm, dy=3mm, dz=2mm

Reference Value = 9.02 V/m; Power Drift = 0.192 dB

Peak SAR (extrapolated) = 3.20 W/kg

SAR(1 g) = 0.887 mW/g; SAR(10 g) = 0.296 mW/g

Maximum value of SAR (measured) = 1.71 mW/g



5745MHz Left Head Touch

Date/Time: 9/10/2008 5:52:15 PM

DUT: Cisco; Type: CP-7925G

Medium Notes: Ambient Temp: 22.0 deg C; Fluid Temp: 21.6 deg C

Communication System: OFDM; ; Frequency: 5800 MHz; Duty Cycle: 1:1

Medium: 5200-5500-5800 MHz Head Medium parameters used: $f = 5800$ MHz; $\sigma = 5.6$ mho/m; $\epsilon_r = 35$; $\rho = 1000$ kg/m³

Phantom section: Left Section

- Probe: EX3DV3 - SN3511; ConvF(4.53, 4.53, 4.53); Calibrated: 5/16/2008
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn584; Calibrated: 4/2/2007
- Phantom: SAM with CRP; Type: SAM; Serial: TP 1310
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

Area Scan (61x91x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 2.31 mW/g

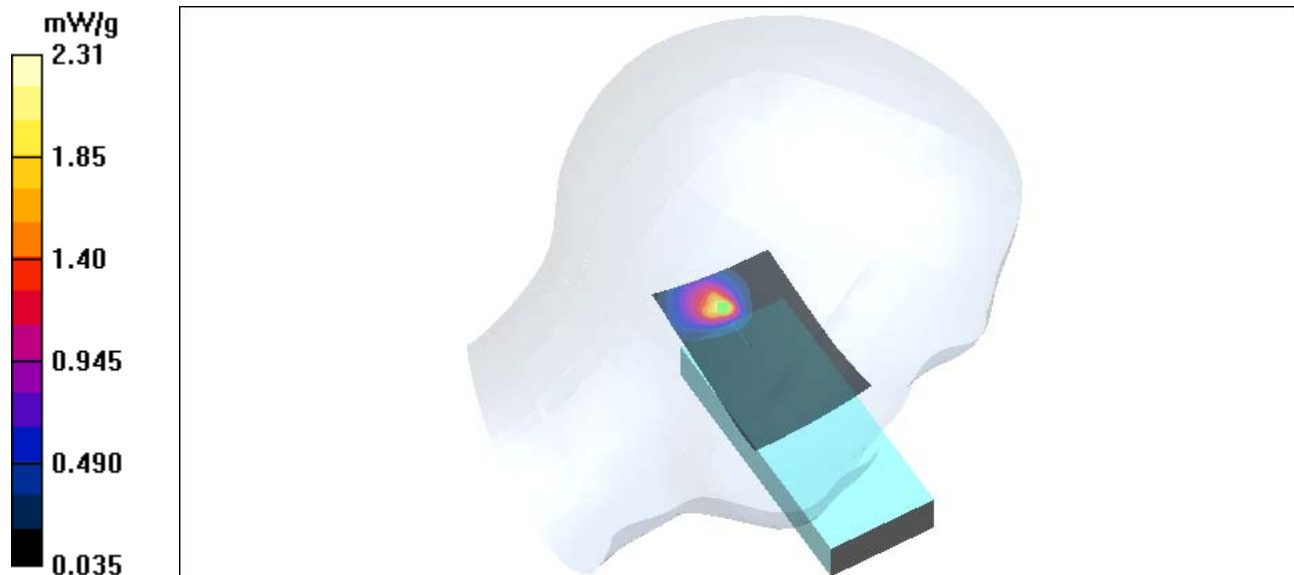
Zoom Scan (11x11x12)/Cube 0: Measurement grid: dx=3mm, dy=3mm, dz=2mm

Reference Value = 12.5 V/m; Power Drift = 0.071 dB

Peak SAR (extrapolated) = 3.64 W/kg

SAR(1 g) = 1.02 mW/g; SAR(10 g) = 0.375 mW/g

Maximum value of SAR (measured) = 1.97 mW/g



5745MHz Left Head Tilt

Date/Time: 9/10/2008 8:57:59 PM

DUT: Cisco; Type: CP-7925G

Medium Notes: Ambient Temp: 22.0 deg C; Fluid Temp: 21.6 deg C

Communication System: OFDM; ; Frequency: 5800 MHz; Duty Cycle: 1:1

Medium: 5200-5500-5800 MHz Head Medium parameters used: $f = 5800$ MHz; $\sigma = 5.6$ mho/m; $\epsilon_r = 35$; $\rho = 1000$ kg/m³

Phantom section: Left Section

- Probe: EX3DV3 - SN3511; ConvF(4.53, 4.53, 4.53); Calibrated: 5/16/2008
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn584; Calibrated: 4/2/2007
- Phantom: SAM with CRP; Type: SAM; Serial: TP 1310
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

Area Scan (61x91x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 2.45 mW/g

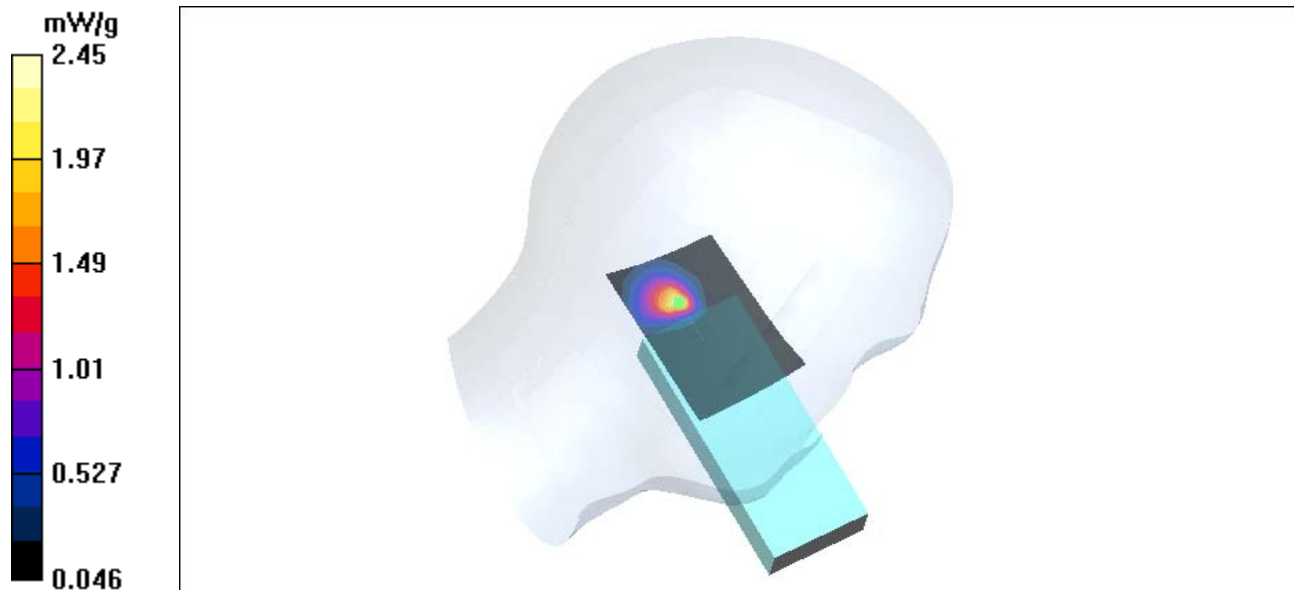
Zoom Scan (11x11x12)/Cube 0: Measurement grid: dx=3mm, dy=3mm, dz=2mm

Reference Value = 11.9 V/m; Power Drift = 0.022 dB

Peak SAR (extrapolated) = 3.72 W/kg

SAR(1 g) = 1.07 mW/g; SAR(10 g) = 0.402 mW/g

Maximum value of SAR (measured) = 2.08 mW/g



5745MHz Right Head Touch

Date/Time: 9/11/2008 8:30:42 AM

DUT: Cisco; Type: CP-7925G

Medium Notes: Ambient Temp: 22.0 deg C; Fluid Temp: 21.6 deg C

Communication System: OFDM; ; Frequency: 5800 MHz; Duty Cycle: 1:1

Medium: 5200-5500-5800 MHz Head Medium parameters used: $f = 5800$ MHz; $\sigma = 5.16$ mho/m; $\epsilon_r = 34.6$; $\rho = 1000$ kg/m³

Phantom section: Right Section

- Probe: EX3DV3 - SN3511; ConvF(4.53, 4.53, 4.53); Calibrated: 5/16/2008
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn584; Calibrated: 4/2/2007
- Phantom: SAM with CRP; Type: SAM; Serial: TP 1310
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

Area Scan (61x91x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 1.47 mW/g

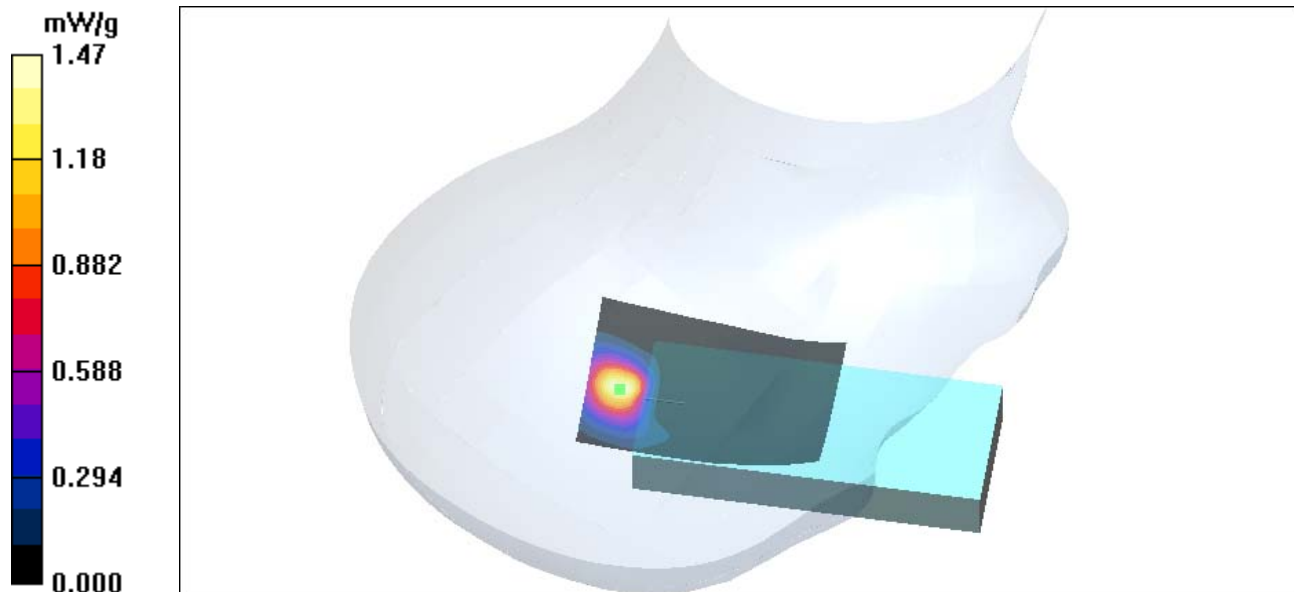
Zoom Scan (11x11x12)/Cube 0: Measurement grid: dx=3mm, dy=3mm, dz=2mm

Reference Value = 9.10 V/m; Power Drift = -0.179 dB

Peak SAR (extrapolated) = 2.70 W/kg

SAR(1 g) = 0.727 mW/g; SAR(10 g) = 0.243 mW/g

Maximum value of SAR (measured) = 1.44 mW/g



5745MHz Right Head Tilt

Date/Time: 9/12/2008 11:19:09 AM

DUT: Cisco; Type: CP-7925G

Medium Notes: Ambient Temp: 22.0 deg C; Fluid Temp: 21.6 deg C

Communication System: OFDM; ; Frequency: 5800 MHz; Duty Cycle: 1:1

Medium: 5200-5500-5800 MHz Head Medium parameters used: $f = 5800$ MHz; $\sigma = 5.08$ mho/m; $\epsilon_r = 34.9$; $\rho = 1000$ kg/m³

Phantom section: Right Section

- Probe: EX3DV3 - SN3511; ConvF(4.53, 4.53, 4.53); Calibrated: 5/16/2008
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn584; Calibrated: 4/2/2007
- Phantom: SAM with CRP; Type: SAM; Serial: TP 1310
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

Area Scan (61x91x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 1.90 mW/g

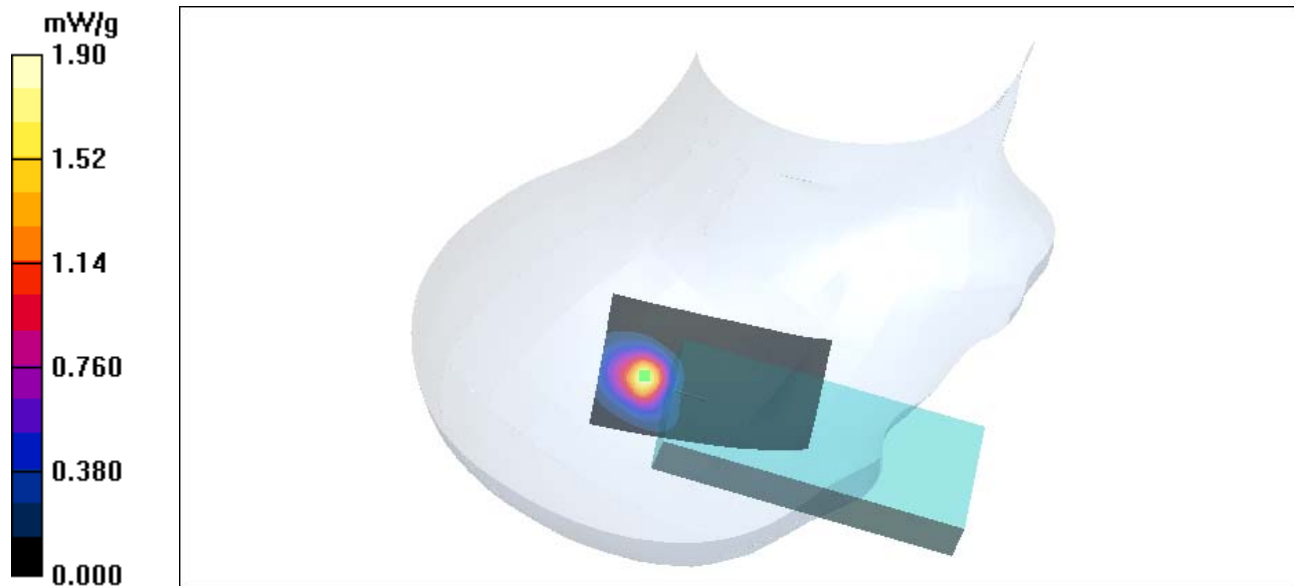
Zoom Scan (11x11x12)/Cube 0: Measurement grid: dx=3mm, dy=3mm, dz=2mm

Reference Value = 6.24 V/m; Power Drift = 0.016 dB

Peak SAR (extrapolated) = 3.11 W/kg

SAR(1 g) = 0.829 mW/g; SAR(10 g) = 0.272 mW/g

Maximum value of SAR (measured) = 1.68 mW/g



5805MHz Left Head Touch

Date/Time: 9/10/2008 6:39:35 PM

DUT: Cisco; Type: CP-7925G

Medium Notes: Ambient Temp: 22.0 deg C; Fluid Temp: 21.6 deg C

Communication System: OFDM; ; Frequency: 5800 MHz; Duty Cycle: 1:1

Medium: 5200-5500-5800 MHz Head Medium parameters used: $f = 5800$ MHz; $\sigma = 5.6$ mho/m; $\epsilon_r = 35$; $\rho = 1000$ kg/m³

Phantom section: Left Section

- Probe: EX3DV3 - SN3511; ConvF(4.53, 4.53, 4.53); Calibrated: 5/16/2008
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn584; Calibrated: 4/2/2007
- Phantom: SAM with CRP; Type: SAM; Serial: TP 1310
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

Area Scan (61x91x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 2.03 mW/g

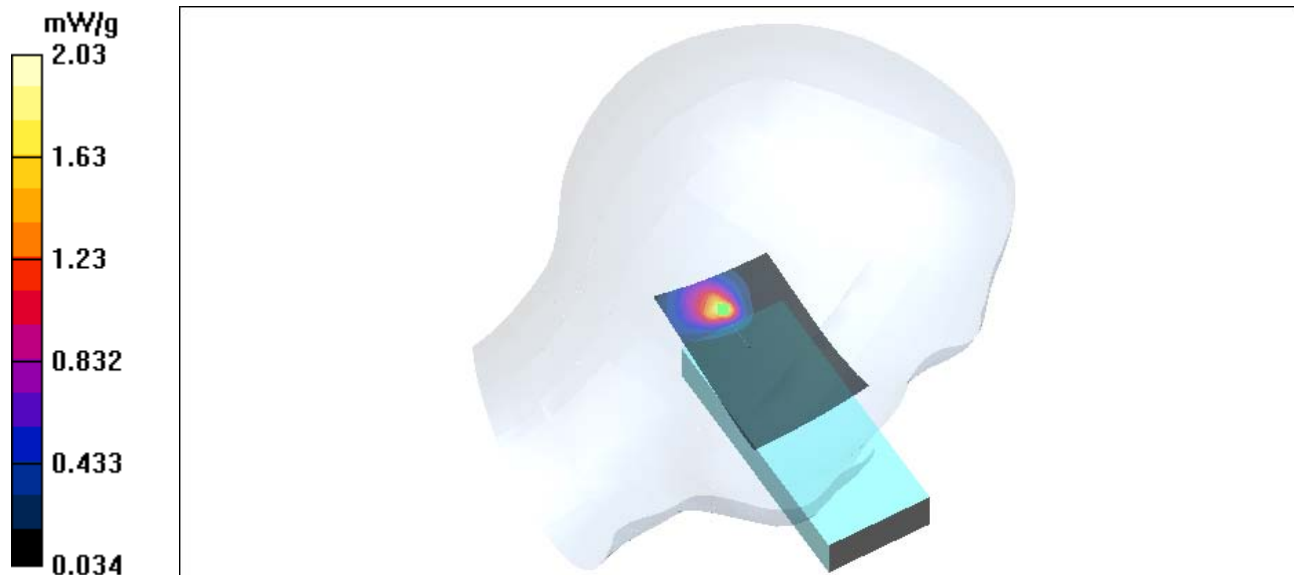
Zoom Scan (11x11x12)/Cube 0: Measurement grid: dx=3mm, dy=3mm, dz=2mm

Reference Value = 11.8 V/m; Power Drift = 0.041 dB

Peak SAR (extrapolated) = 3.24 W/kg

SAR(1 g) = 0.896 mW/g; SAR(10 g) = 0.339 mW/g

Maximum value of SAR (measured) = 1.70 mW/g



5805MHz Left Head Tilt

Date/Time: 9/10/2008 7:23:25 PM

DUT: Cisco; Type: CP-7925G

Medium Notes: Ambient Temp: 22.0 deg C; Fluid Temp: 21.6 deg C

Communication System: OFDM; ; Frequency: 5800 MHz; Duty Cycle: 1:1

Medium: 5200-5500-5800 MHz Head Medium parameters used: $f = 5800$ MHz; $\sigma = 5.6$ mho/m; $\epsilon_r = 35$; $\rho = 1000$ kg/m³

Phantom section: Left Section

- Probe: EX3DV3 - SN3511; ConvF(4.53, 4.53, 4.53); Calibrated: 5/16/2008
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn584; Calibrated: 4/2/2007
- Phantom: SAM with CRP; Type: SAM; Serial: TP 1310
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

Area Scan (61x91x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 2.21 mW/g

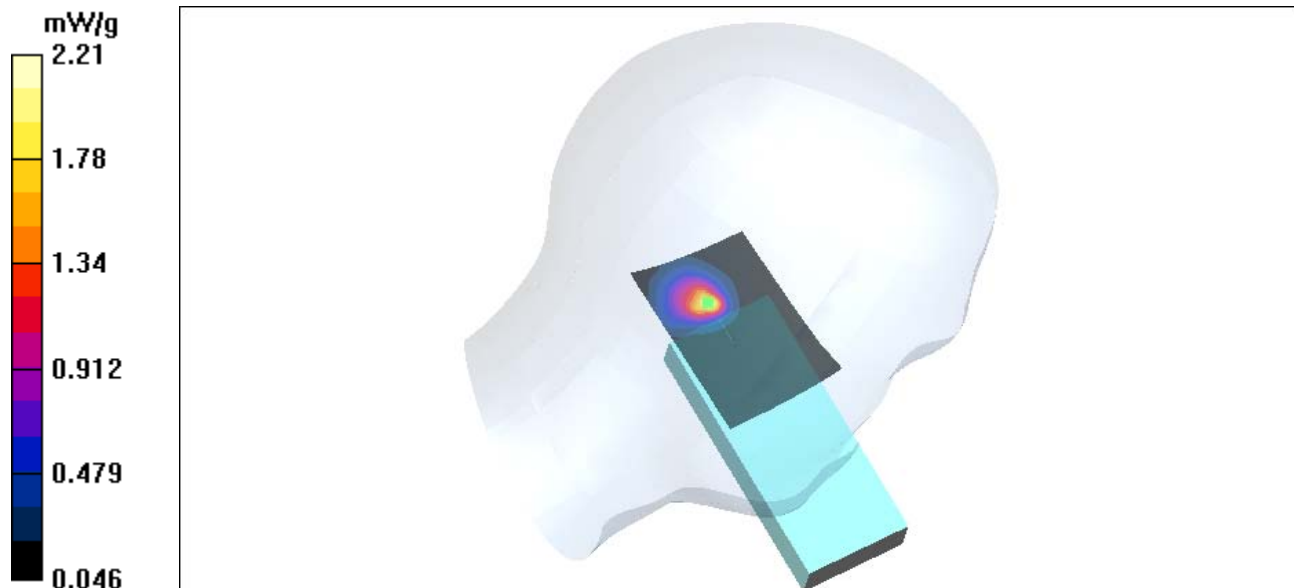
Zoom Scan (11x11x12)/Cube 0: Measurement grid: dx=3mm, dy=3mm, dz=2mm

Reference Value = 12.0 V/m; Power Drift = 0.083 dB

Peak SAR (extrapolated) = 3.49 W/kg

SAR(1 g) = 0.959 mW/g; SAR(10 g) = 0.363 mW/g

Maximum value of SAR (measured) = 1.90 mW/g



5805MHz Right Head Touch

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

DUT: Cisco; Type: CP-7925G

Medium Notes: Ambient Temp: 22.0 deg C; Fluid Temp: 21.6 deg C

Communication System: OFDM; ; Frequency: 5800 MHz; Duty Cycle: 1:1

Medium: 5200-5500-5800 MHz Head Medium parameters used: $f = 5800$ MHz; $\sigma = 5.16$ mho/m; $\epsilon_r = 34.6$; $\rho = 1000$ kg/m³

Phantom section: Right Section

- Probe: EX3DV3 - SN3511; ConvF(4.53, 4.53, 4.53); Calibrated: 5/16/2008
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn584; Calibrated: 4/2/2007
- Phantom: SAM with CRP; Type: SAM; Serial: TP 1310
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

Area Scan (61x91x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 1.37 mW/g

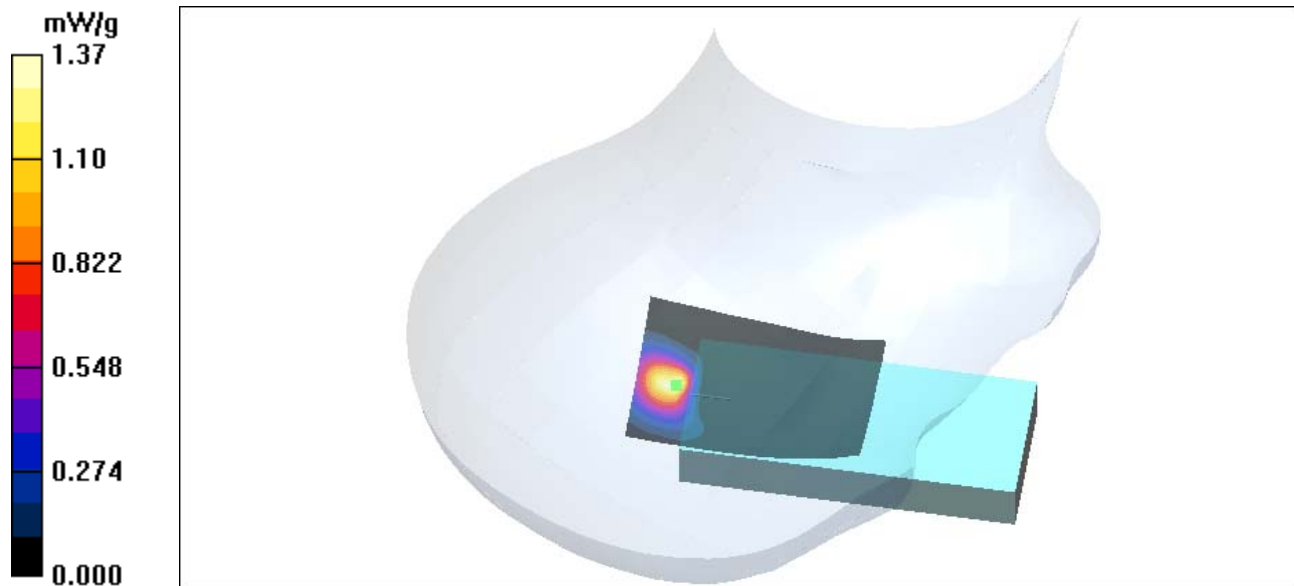
Zoom Scan (11x11x12)/Cube 0: Measurement grid: dx=3mm, dy=3mm, dz=2mm

Reference Value = 8.34 V/m; Power Drift = 0.176 dB

Peak SAR (extrapolated) = 2.43 W/kg

SAR(1 g) = 0.647 mW/g; SAR(10 g) = 0.211 mW/g

Maximum value of SAR (measured) = 1.30 mW/g



5805MHz Right Head Tilt

Date/Time: 9/12/2008 11:58:40 AM

DUT: Cisco; Type: CP-7925G

Medium Notes: Ambient Temp: 22.0 deg C; Fluid Temp: 21.6 deg C

Communication System: OFDM; ; Frequency: 5800 MHz; Duty Cycle: 1:1

Medium: 5200-5500-5800 MHz Head Medium parameters used: $f = 5800$ MHz; $\sigma = 5.08$ mho/m; $\epsilon_r = 34.9$; $\rho = 1000$ kg/m³

Phantom section: Right Section

- Probe: EX3DV3 - SN3511; ConvF(4.53, 4.53, 4.53); Calibrated: 5/16/2008
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn584; Calibrated: 4/2/2007
- Phantom: SAM with CRP; Type: SAM; Serial: TP 1310
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

Area Scan (61x91x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 1.83 mW/g

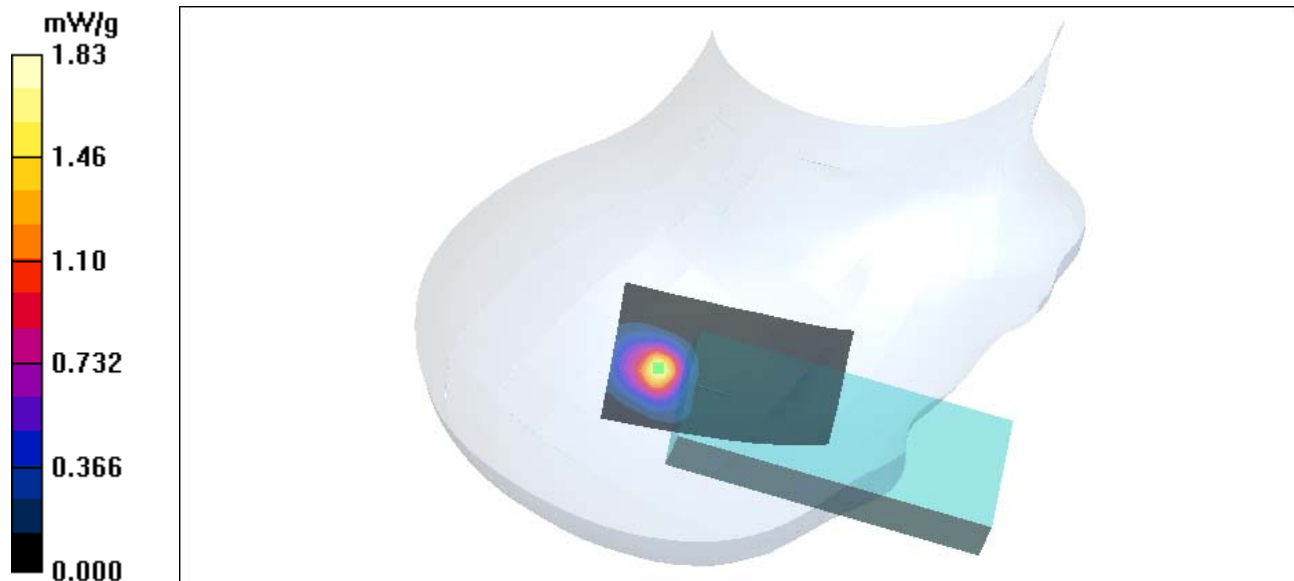
Zoom Scan (11x11x12)/Cube 0: Measurement grid: dx=3mm, dy=3mm, dz=2mm

Reference Value = 6.37 V/m; Power Drift = 0.307 dB

Peak SAR (extrapolated) = 3.14 W/kg

SAR(1 g) = 0.817 mW/g; SAR(10 g) = 0.265 mW/g

Maximum value of SAR (measured) = 1.67 mW/g



5180MHz Body with Plastic Holster

Date/Time: 9/15/2008 9:38:00 AM

DUT: Cisco; Type: CP-7925G

Medium Notes: Ambient Temp: 22.0 deg C; Fluid Temp: 21.6 deg C

Communication System: OFDM; ; Frequency: 5200 MHz; Duty Cycle: 1:1

Medium: 5200-5500-5800MHz Body Medium parameters used: $f = 5200$ MHz; $\sigma = 5.1$ mho/m; $\epsilon_r = 47$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

- Probe: EX3DV3 - SN3511; ConvF(4.61, 4.61, 4.61); Calibrated: 5/16/2008
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn584; Calibrated: 4/2/2007
- Phantom: SAM with CRP; Type: SAM; Serial: TP 1310
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

Area Scan (61x131x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.630 mW/g

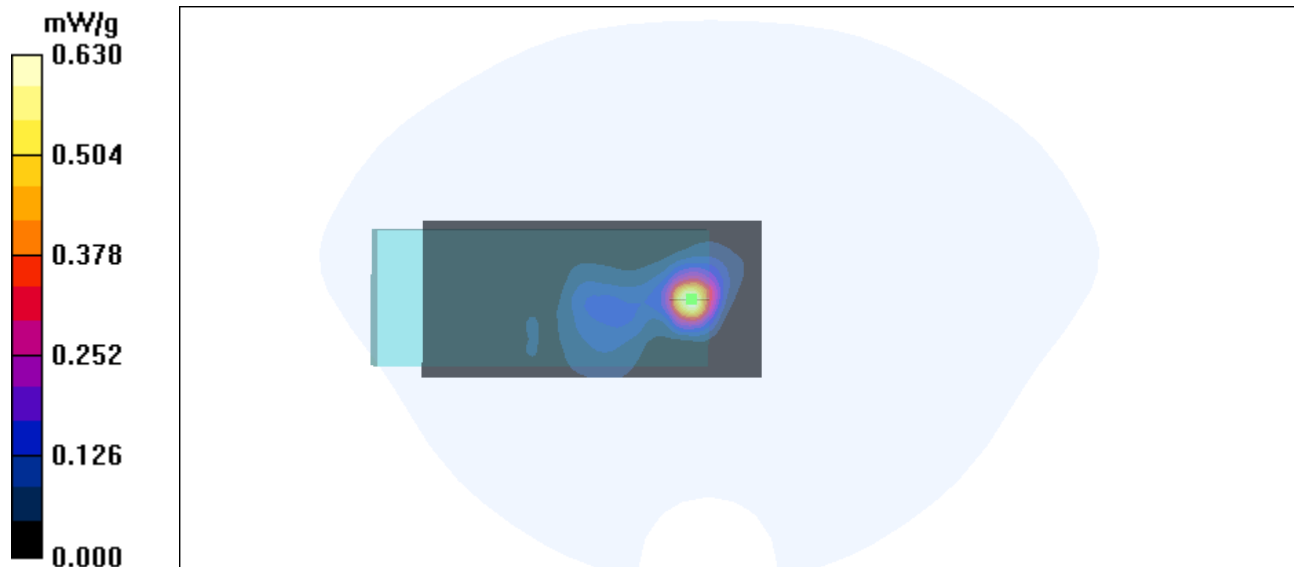
Zoom Scan (11x11x16)/Cube 0: Measurement grid: dx=3mm, dy=3mm, dz=2mm

Reference Value = 6.21 V/m; Power Drift = -0.044 dB

Peak SAR (extrapolated) = 1.32 W/kg

SAR(1 g) = 0.322 mW/g; SAR(10 g) = 0.094 mW/g

Maximum value of SAR (measured) = 0.646 mW/g



5240MHz Body with Plastic Holster

Date/Time: 9/15/2008 11:29:30 AM

DUT: Cisco; Type: CP-7925G

Medium Notes: Ambient Temp: 22.0 deg C; Fluid Temp: 21.6 deg C

Communication System: OFDM; ; Frequency: 5200 MHz; Duty Cycle: 1:1

Medium: 5200-5500-5800MHz Body Medium parameters used: $f = 5200$ MHz; $\sigma = 5.1$ mho/m; $\epsilon_r = 47$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

- Probe: EX3DV3 - SN3511; ConvF(4.61, 4.61, 4.61); Calibrated: 5/16/2008
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn584; Calibrated: 4/2/2007
- Phantom: SAM with CRP; Type: SAM; Serial: TP 1310
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

Area Scan (61x131x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.635 mW/g

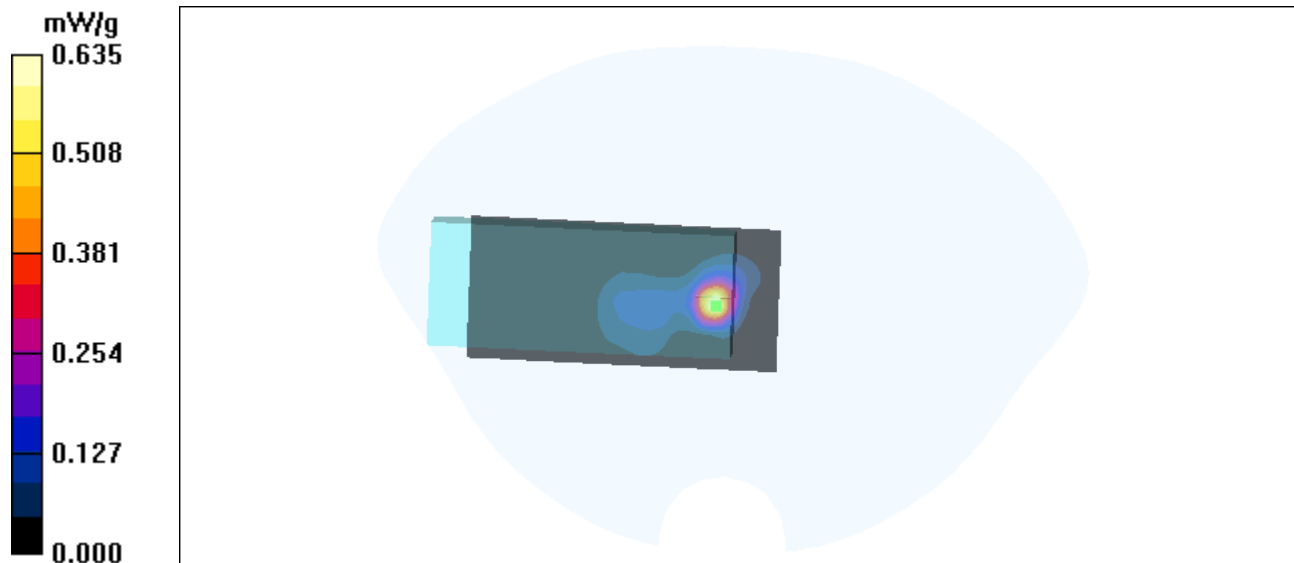
Zoom Scan (11x11x16)/Cube 0: Measurement grid: dx=3mm, dy=3mm, dz=2mm

Reference Value = 5.90 V/m; Power Drift = -0.074 dB

Peak SAR (extrapolated) = 1.31 W/kg

SAR(1 g) = 0.314 mW/g; SAR(10 g) = 0.086 mW/g

Maximum value of SAR (measured) = 0.645 mW/g



5260MHz Body with Plastic Holster

Date/Time: 9/15/2008 12:19:04 PM

DUT: Cisco; Type: CP-7925G

Medium Notes: Ambient Temp: 22.0 deg C; Fluid Temp: 21.6 deg C

Communication System: OFDM; ; Frequency: 5200 MHz; Duty Cycle: 1:1

Medium: 5200-5500-5800MHz Body Medium parameters used: $f = 5200$ MHz; $\sigma = 5.1$ mho/m; $\epsilon_r = 47$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

- Probe: EX3DV3 - SN3511; ConvF(4.61, 4.61, 4.61); Calibrated: 5/16/2008
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn584; Calibrated: 4/2/2007
- Phantom: SAM with CRP; Type: SAM; Serial: TP 1310
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

Area Scan (61x131x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.537 mW/g

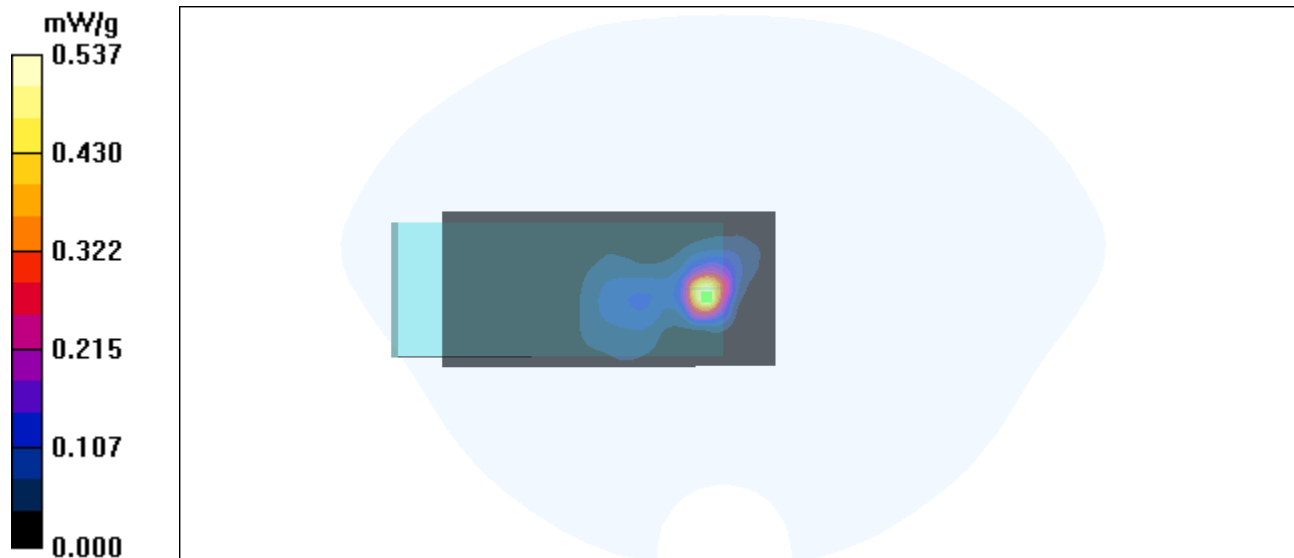
Zoom Scan (11x11x16)/Cube 0: Measurement grid: dx=3mm, dy=3mm, dz=2mm

Reference Value = 5.66 V/m; Power Drift = -0.030 dB

Peak SAR (extrapolated) = 1.18 W/kg

SAR(1 g) = 0.290 mW/g; SAR(10 g) = 0.080 mW/g

Maximum value of SAR (measured) = 0.602 mW/g



5320MHz Body with Plastic Holster

Date/Time: 9/15/2008 1:31:10 PM

DUT: Cisco; Type: CP-7925G

Medium Notes: Ambient Temp: 22.0 deg C; Fluid Temp: 21.6 deg C

Communication System: OFDM; ; Frequency: 5200 MHz; Duty Cycle: 1:1

Medium: 5200-5500-5800MHz Body Medium parameters used: $f = 5200$ MHz; $\sigma = 5.1$ mho/m; $\epsilon_r = 47$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

- Probe: EX3DV3 - SN3511; ConvF(4.61, 4.61, 4.61); Calibrated: 5/16/2008
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn584; Calibrated: 4/2/2007
- Phantom: SAM with CRP; Type: SAM; Serial: TP 1310
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

Area Scan (61x131x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.539 mW/g

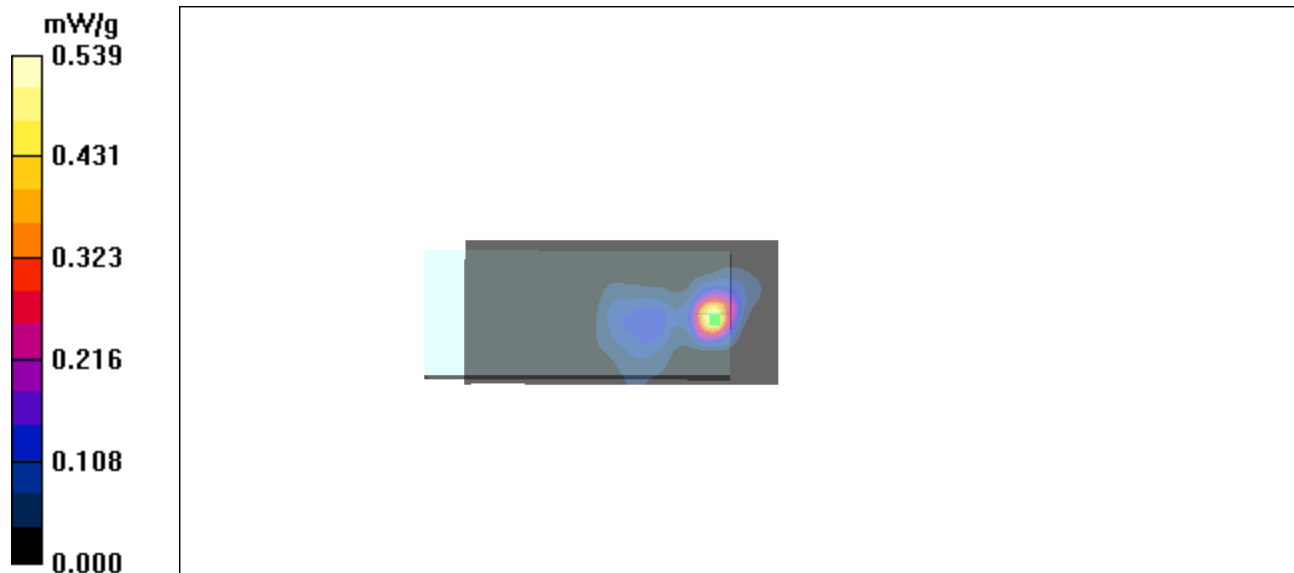
Zoom Scan (11x11x16)/Cube 0: Measurement grid: dx=3mm, dy=3mm, dz=2mm

Reference Value = 5.38 V/m; Power Drift = 0.042 dB

Peak SAR (extrapolated) = 1.18 W/kg

SAR(1 g) = 0.269 mW/g; SAR(10 g) = 0.071 mW/g

Maximum value of SAR (measured) = 0.578 mW/g



5520MHz Body with Plastic Holster

Date/Time: 9/15/2008 2:44:19 PM

DUT: Cisco; Type: CP-7925G

Medium Notes: Ambient Temp: 22.0 deg C; Fluid Temp: 21.6 deg C

Communication System: OFDM; ; Frequency: 5500 MHz; Duty Cycle: 1:1

Medium: 5200-5500-5800MHz Body Medium parameters used: $f = 5500$ MHz; $\sigma = 5.5$ mho/m; $\epsilon_r = 46.6$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

- Probe: EX3DV3 - SN3511; ConvF(4.4, 4.4, 4.4); Calibrated: 5/16/2008
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn584; Calibrated: 4/2/2007
- Phantom: SAM with CRP; Type: SAM; Serial: TP 1310
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

Area Scan (61x131x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 1.07 mW/g

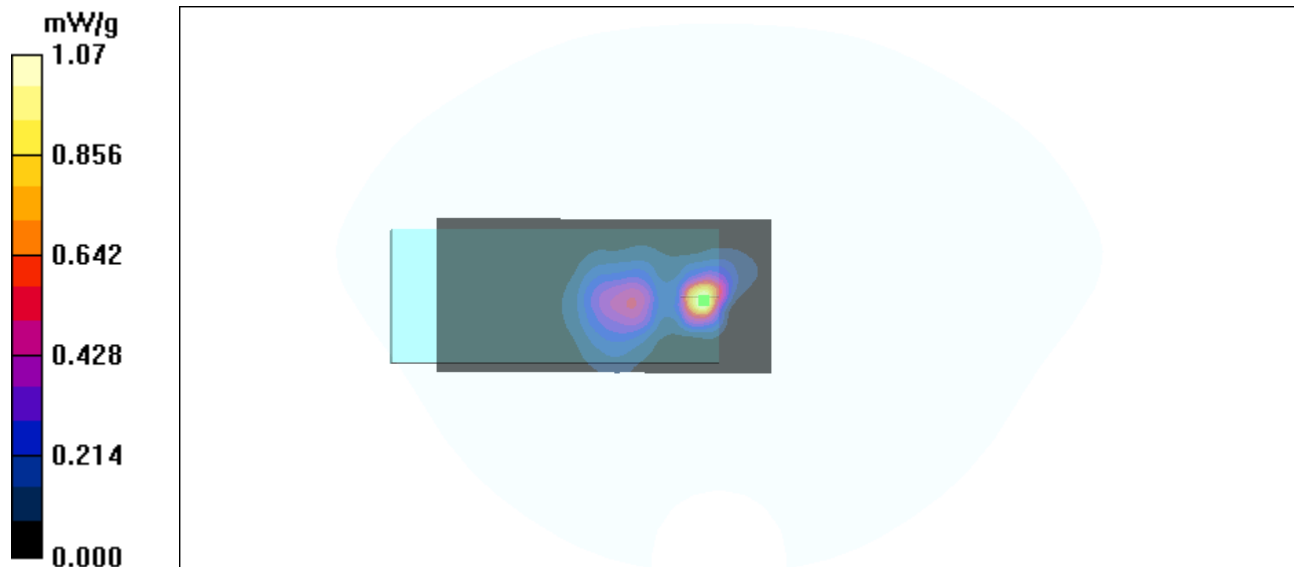
Zoom Scan (11x11x16)/Cube 0: Measurement grid: dx=3mm, dy=3mm, dz=2mm

Reference Value = 7.32 V/m; Power Drift = -0.058 dB

Peak SAR (extrapolated) = 2.64 W/kg

SAR(1 g) = 0.541 mW/g; SAR(10 g) = 0.135 mW/g

Maximum value of SAR (measured) = 1.22 mW/g



5580MHz Body with Plastic Holster

Date/Time: 9/15/2008 4:02:37 PM

DUT: Cisco; Type: CP-7925G

Medium Notes: Ambient Temp: 22.0 deg C; Fluid Temp: 21.6 deg C

Communication System: OFDM; ; Frequency: 5500 MHz; Duty Cycle: 1:1

Medium: 5200-5500-5800MHz Body Medium parameters used: $f = 5500$ MHz; $\sigma = 5.5$ mho/m; $\epsilon_r = 46.6$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

- Probe: EX3DV3 - SN3511; ConvF(4.4, 4.4, 4.4); Calibrated: 5/16/2008
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn584; Calibrated: 4/2/2007
- Phantom: SAM with CRP; Type: SAM; Serial: TP 1310
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

Area Scan (61x131x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 1.49 mW/g

Zoom Scan (11x11x16)/Cube 0: Measurement grid: dx=3mm, dy=3mm, dz=2mm

Reference Value = 8.58 V/m; Power Drift = 0.037 dB

Peak SAR (extrapolated) = 3.68 W/kg

SAR(1 g) = 0.762 mW/g; SAR(10 g) = 0.185 mW/g

Maximum value of SAR (measured) = 1.72 mW/g



5620MHz Body with Plastic Holster

Date/Time: 9/15/2008 4:57:27 PM

DUT: Cisco; Type: CP-7925G

Medium Notes: Ambient Temp: 22.0 deg C; Fluid Temp: 21.6 deg C

Communication System: OFDM; ; Frequency: 5500 MHz; Duty Cycle: 1:1

Medium: 5200-5500-5800MHz Body Medium parameters used: $f = 5500$ MHz; $\sigma = 5.5$ mho/m; $\epsilon_r = 46.6$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

- Probe: EX3DV3 - SN3511; ConvF(4.4, 4.4, 4.4); Calibrated: 5/16/2008
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn584; Calibrated: 4/2/2007
- Phantom: SAM with CRP; Type: SAM; Serial: TP 1310
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

Area Scan (61x131x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 1.50 mW/g

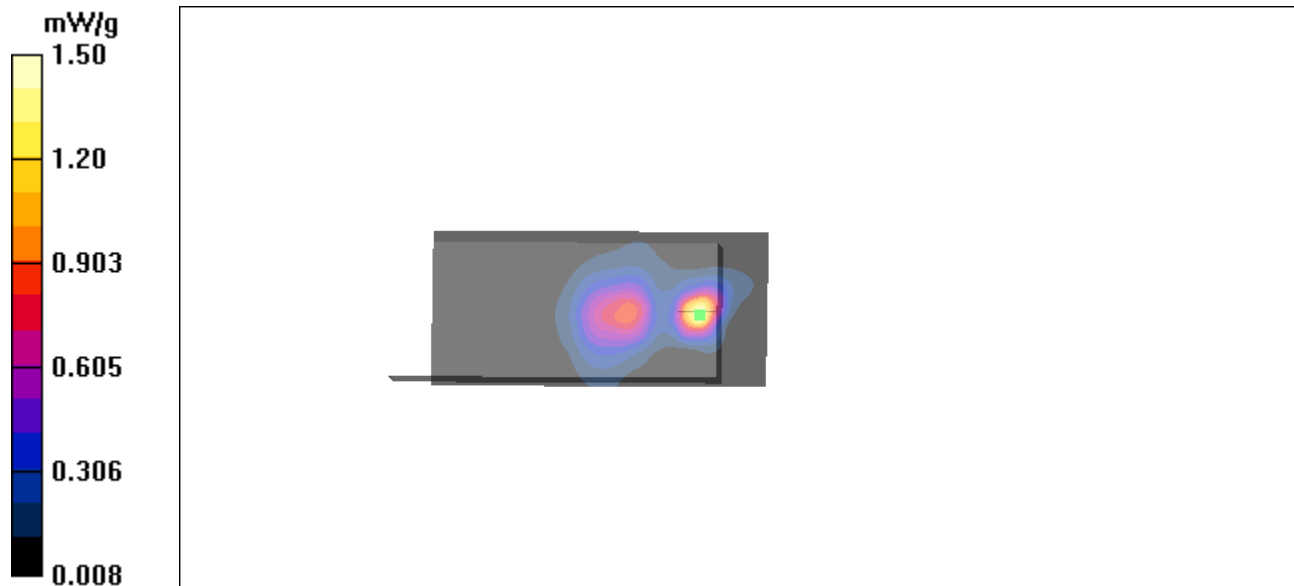
Zoom Scan (11x11x16)/Cube 0: Measurement grid: dx=3mm, dy=3mm, dz=2mm

Reference Value = 8.65 V/m; Power Drift = 0.127 dB

Peak SAR (extrapolated) = 3.75 W/kg

SAR(1 g) = 0.768 mW/g; SAR(10 g) = 0.186 mW/g

Maximum value of SAR (measured) = 1.72 mW/g



5620MHz Body with Plastic Holster & Extended Battery

Date/Time: 9/15/2008 9:11:09 PM

DUT: Cisco; Type: CP-7925G

Medium Notes: Ambient Temp: 22.0 deg C; Fluid Temp: 21.6 deg C

Communication System: OFDM; ; Frequency: 5500 MHz; Duty Cycle: 1:1

Medium: 5200-5500-5800MHz Body Medium parameters used: $f = 5500$ MHz; $\sigma = 5.5$ mho/m; $\epsilon_r = 46.6$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

- Probe: EX3DV3 - SN3511; ConvF(4.4, 4.4, 4.4); Calibrated: 5/16/2008
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn584; Calibrated: 4/2/2007
- Phantom: SAM with CRP; Type: SAM; Serial: TP 1310
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

Area Scan (61x131x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 1.57 mW/g

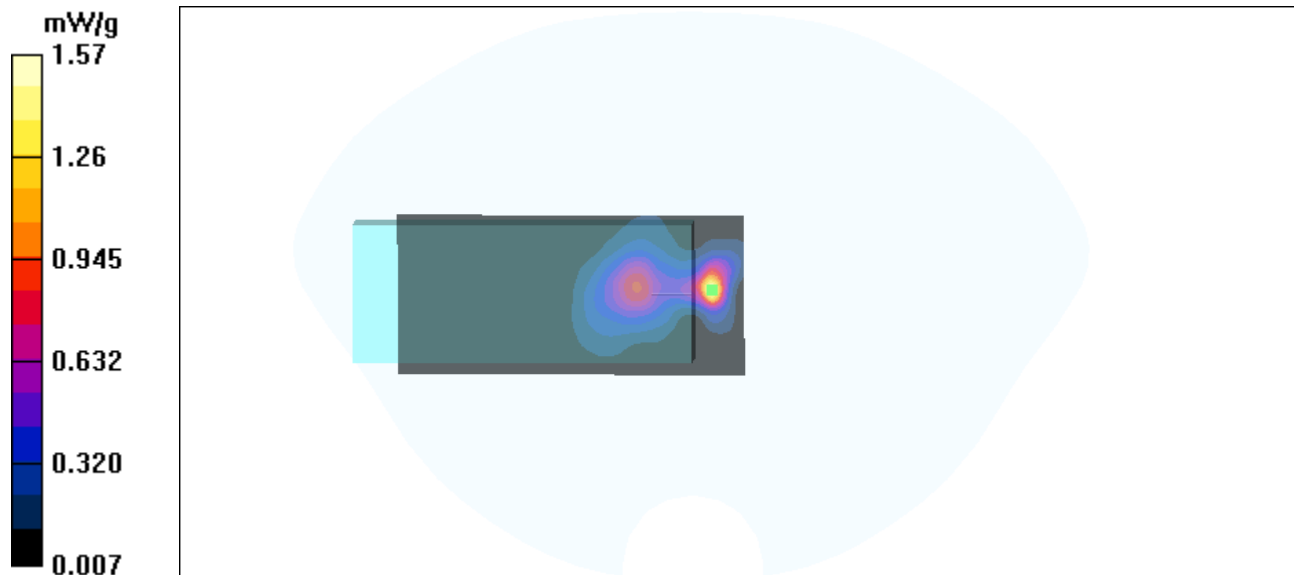
Zoom Scan (11x11x16)/Cube 0: Measurement grid: dx=3mm, dy=3mm, dz=2mm

Reference Value = 7.70 V/m; Power Drift = 0.191 dB

Peak SAR (extrapolated) = 3.37 W/kg

SAR(1 g) = 0.693 mW/g; SAR(10 g) = 0.168 mW/g

Maximum value of SAR (measured) = 1.52 mW/g



5620MHz Body with Leather Holster

Date/Time: 9/15/2008 8:19:46 PM

DUT: Cisco; Type: CP-7925G

Medium Notes: Ambient Temp: 22.0 deg C; Fluid Temp: 21.6 deg C

Communication System: OFDM; ; Frequency: 5500 MHz; Duty Cycle: 1:1

Medium: 5200-5500-5800MHz Body Medium parameters used: $f = 5500$ MHz; $\sigma = 5.5$ mho/m; $\epsilon_r = 46.6$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

- Probe: EX3DV3 - SN3511; ConvF(4.4, 4.4, 4.4); Calibrated: 5/16/2008
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn584; Calibrated: 4/2/2007
- Phantom: SAM with CRP; Type: SAM; Serial: TP 1310
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

Area Scan (61x131x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.471 mW/g

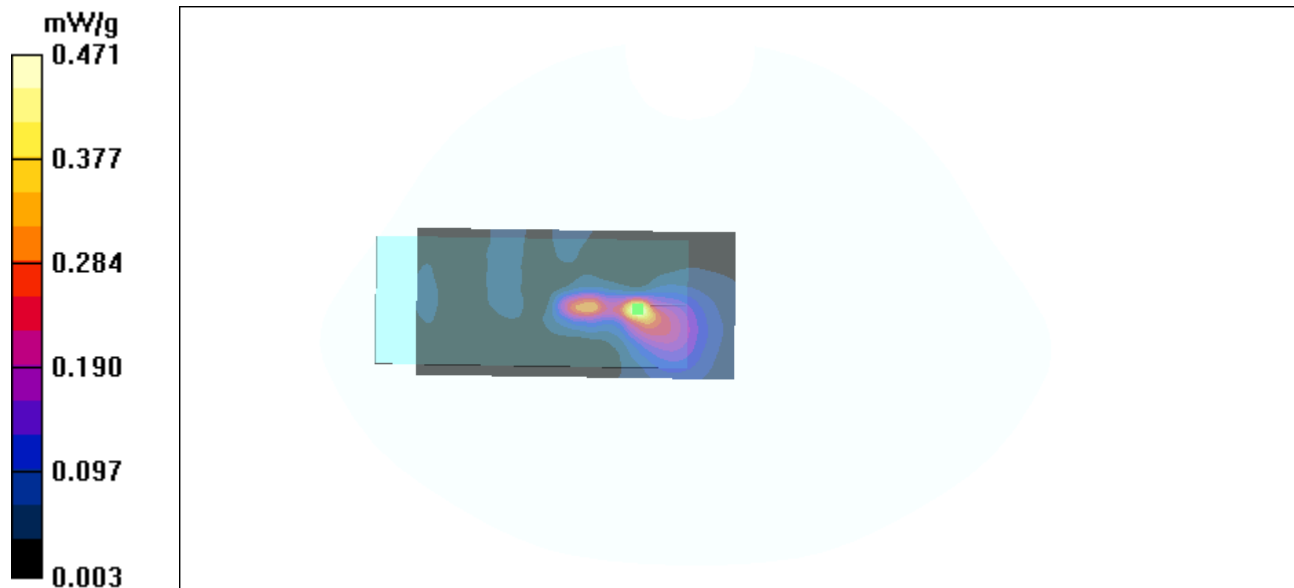
Zoom Scan (11x11x16)/Cube 0: Measurement grid: dx=3mm, dy=3mm, dz=2mm

Reference Value = 3.38 V/m; Power Drift = 0.091 dB

Peak SAR (extrapolated) = 1.02 W/kg

SAR(1 g) = 0.214 mW/g; SAR(10 g) = 0.063 mW/g

Maximum value of SAR (measured) = 0.458 mW/g



5680MHz Body with Plastic Holster

Date/Time: 9/15/2008 5:47:49 PM

DUT: Cisco; Type: CP-7925G

Medium Notes: Ambient Temp: 22.0 deg C; Fluid Temp: 21.6 deg C

Communication System: OFDM; ; Frequency: 5500 MHz; Duty Cycle: 1:1

Medium: 5200-5500-5800MHz Body Medium parameters used: $f = 5500$ MHz; $\sigma = 5.5$ mho/m; $\epsilon_r = 46.6$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

- Probe: EX3DV3 - SN3511; ConvF(4.4, 4.4, 4.4); Calibrated: 5/16/2008
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn584; Calibrated: 4/2/2007
- Phantom: SAM with CRP; Type: SAM; Serial: TP 1310
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

Area Scan (61x131x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.920 mW/g

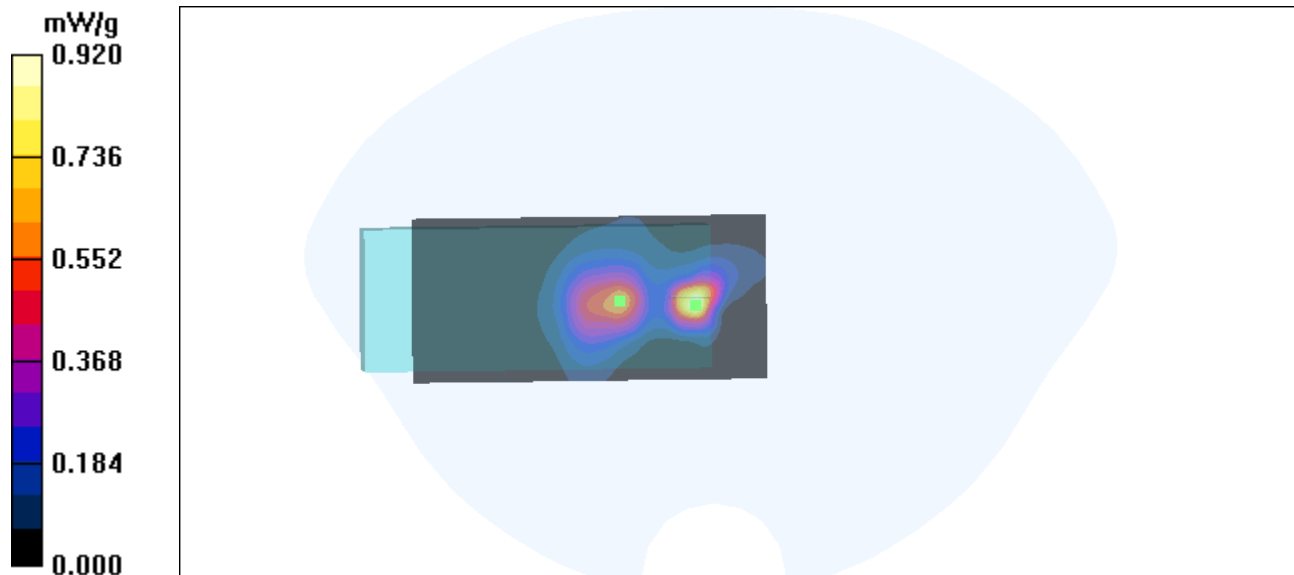
Zoom Scan (11x11x16)/Cube 0: Measurement grid: dx=3mm, dy=3mm, dz=2mm

Reference Value = 7.09 V/m; Power Drift = -0.010 dB

Peak SAR (extrapolated) = 2.43 W/kg

SAR(1 g) = 0.491 mW/g; SAR(10 g) = 0.116 mW/g

Maximum value of SAR (measured) = 1.07 mW/g



5745MHz Body with Plastic Holster

Date/Time: 9/15/2008 6:38:24 PM

DUT: Cisco; Type: CP-7925G

Medium Notes: Ambient Temp: 22.0 deg C; Fluid Temp: 21.6 deg C

Communication System: OFDM; ; Frequency: 5800 MHz; Duty Cycle: 1:1

Medium: 5200-5500-5800MHz Body Medium parameters used: $f = 5800$ MHz; $\sigma = 5.9$ mho/m; $\epsilon_r = 45.9$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

- Probe: EX3DV3 - SN3511; ConvF(4.25, 4.25, 4.25); Calibrated: 5/16/2008
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn584; Calibrated: 4/2/2007
- Phantom: SAM with CRP; Type: SAM; Serial: TP 1310
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

Area Scan (61x131x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.640 mW/g

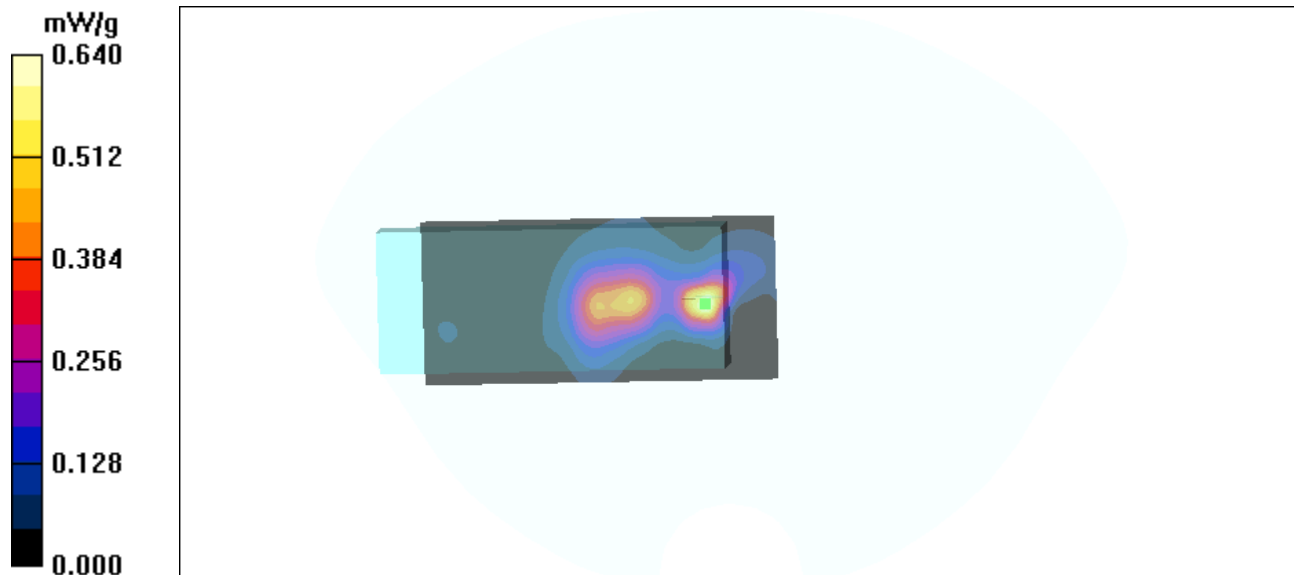
Zoom Scan (11x11x16)/Cube 0: Measurement grid: dx=3mm, dy=3mm, dz=2mm

Reference Value = 5.79 V/m; Power Drift = 0.106 dB

Peak SAR (extrapolated) = 3.12 W/kg

SAR(1 g) = 0.360 mW/g; SAR(10 g) = 0.094 mW/g

Maximum value of SAR (measured) = 0.809 mW/g



5805MHz Body with Plastic Holster

Date/Time: 9/15/2008 7:28:36 PM

DUT: Cisco; Type: CP-7925G

Medium Notes: Ambient Temp: 22.0 deg C; Fluid Temp: 21.6 deg C

Communication System: OFDM; ; Frequency: 5800 MHz; Duty Cycle: 1:1

Medium: 5200-5500-5800MHz Body Medium parameters used: $f = 5800$ MHz; $\sigma = 5.9$ mho/m; $\epsilon_r = 45.9$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

- Probe: EX3DV3 - SN3511; ConvF(4.25, 4.25, 4.25); Calibrated: 5/16/2008
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn584; Calibrated: 4/2/2007
- Phantom: SAM with CRP; Type: SAM; Serial: TP 1310
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

Area Scan (61x131x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.409 mW/g

Zoom Scan (11x11x16)/Cube 0: Measurement grid: dx=3mm, dy=3mm, dz=2mm

Reference Value = 4.89 V/m; Power Drift = 0.246 dB

Peak SAR (extrapolated) = 1.46 W/kg

SAR(1 g) = 0.266 mW/g; SAR(10 g) = 0.073 mW/g

Maximum value of SAR (measured) = 0.606 mW/g

