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BA/SEMC/BGLINS Robert Carr

Approved

LD/SEMC/BGLIMC Peter Lindeborg

Checked

080909

Company Internal
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No.

BGLI08:776.

Date

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Report issued by Accredited SAR Laboratory

for

PY7A3880001 (X1i)

Date of test: August 16th to September 4th, 2008

Laboratory: Sony Ericsson SAR Test Laboratory
Sony Ericsson Mobile Communications AB
Maplewood, Chineham Business Park
Basingstoke, RG24 8YB,
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Testing Engineer: Robert Carr
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ROBERT CARR

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Peter Lindeborg

Statement of Compliance

Sony Ericsson Mobile Communications AB declares under its sole responsibility that the product

Sony Ericsson Type AAD-3880001-BV; FCC ID PY7A3880001; IC 4170B-A3880001

to which this declaration relates, is in conformity with the appropriate RF exposure standards recommendations and guidelines. It also declares that the product was tested in accordance with the appropriate measurement standards, guidelines and recommended practices. Any deviations from these standards, guidelines and recommended practices are noted below:

(None)

This laboratory is accredited to ISO/IEC 17025 (SWEDAC accreditation no. 1847).



Laboratories are accredited by the Swedish Board for Accreditation and Conformity Assessment (SWEDAC) under the terms of Swedish legislation. The accredited laboratory activities meet the requirements in SS-EN ISO/IEC 17025 (2005). This report may not be reproduced other than in full, except with the prior written approval of the issuing laboratory.

The results and statements contained herein relate only to the items tested. The names of individuals involved may be mentioned only in connection with the statements or results from this report.

Sony Ericsson encourages all feedback, both positive and negative, on this report.

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1 Introduction

In this test report, compliance of the Sony Ericsson PY7A3880001 (X1i) portable telephone with RF safety guidelines is demonstrated. The applicable RF safety guidelines and the SAR measurement specifications used for the test are described in the SAR Measurement Specifications of Wireless Handsets [1].

2 Customer details

Company Name:	Sony Ericsson Mobile Communications AB
Address:	370 Convention Way Redwood City California, 94063 U.S.A
Contact Name:	Erik Mollerstedt

3 Device Under Test

3.1 Antenna Description

Type	Internal antenna	
Location	Bottom of phone	
Main and WLAN antennas distance	89mm	
Dimensions	Max length	45 mm
	Max width	14 mm
Configuration	PIFA	



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3.2 Device Description

Device model	AAD-3880001								
Market name	X1i								
Serial number (EUT #)	GT200004BP (#13061) GT200004BN (#13062)								
Mode	GSM 850			GSM 1900			UMTS II		
Crest factor	8.3			8.3			1.0		
Multiple access scheme	TDMA			TDMA			WCDMA		
Channel No.	128	190	251	512	661	885	9262	9400	9538
Maximum output power setting [dBm]	33.5	33.5	33.5	30.5	30.5	30.5	24.5	24.5	24.5
Factory tolerance in power setting	±0.5 dB			±0.5 dB			±0.5 dB		
Maximum peak output power [dBm]	34.0	34.0	34.0	31.0	31.0	31.0	25.0	25.0	25.0
Data mode	GPRS			GPRS			(See section 3.3)		
Crest factor	4.15			4.15					
Maximum output power setting [dBm]	33.5	33.5	33.5	30.5	30.5	30.5			
Factory tolerance in power setting	±0.5 dB			±0.5 dB					
Maximum peak output power [dBm]	34.0	34.0	34.0	31.0	31.0	31.0			
Data mode	EDGE			EDGE					
Crest factor	4.15			4.15					
Maximum output power setting [dBm]	26.5	26.5	26.5	25.5	25.6	25.5			
Factory tolerance in power setting	±0.5 dB			±0.5 dB					
Maximum peak output power [dBm]	27.0	27.0	27.0	26.0	26.0	26.0			
Transmitting frequency range [MHz]	824.0 - 849.0			1850.0 - 1910.0			1852.5 - 1907.6		

GPRS Multislot class	10
EDGE class	10
GPRS Capability class	B
BT class and conducted power	Class 2, 0 dBm
Prototype or production unit	Preproduction
Hardware version	AP2
Software version	1.00.0.11
Device category	Portable
RF exposure environment	General population / uncontrolled



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WLAN Output Power					
Mode	Max Output Power (dBm)	Factory Tolerance (dB)	EUT (#13062) power (dBm)		
			Ch 1	Ch6	Ch 11
802.11b 1Mbit/sec	18.5	1	18.4	18.4	18.7
802.11b 2Mbit/sec					
802.11b 5.5Mbit/sec					
802.11b 11Mbit/sec					
802.11g 6Mbit/sec	18.0	1	17.7	18.0	18.3
802.11g 9Mbit/sec					
802.11g 12Mbit/sec	16.0	1	15.1	15.7	15.8
802.11g 18Mbit/sec					
802.11g 24Mbit/sec	15.0	1	14.1	14.0	14.4
802.11g 36Mbit/sec					
802.11g 48Mbit/sec	13.5	1	13.4	13.5	13.8
802.11g 54Mbit/sec					

3.3 Output power in UMTS

The conducted output power of the device was measured in two circuit switched (CS) modes RMC and voice; and four high speed downlink packet access (HSDPA) modes. A CMU-200 was used to establish the call processing and modulation settings. A RF power meter was used for power measurement. For HSDPA measurements, the following settings were applied:

H-SET3 QPSK
CQI feedback=2 msec

The results (including relevant CMU settings) are presented in the following table:

Output power [dBm]						UMTS Band II		
						Channel No.		
Mode	β_C	β_D	ΔACK	$\Delta NACK$	ΔCQI	9262	9400	9538
CS - RMC	8	15	-	-	-	24.5	24.4	24.3
CS - voice	8	15	-	-	-	24.5	24.4	24.3
HSDPA	2	15	8	8	8	24.5	24.1	24.1
HSDPA	12	15	8	8	8	22.8	22.7	22.8
HSDPA	15	8	8	8	8	22.9	22.8	22.9
HSDPA	15	4	8	8	8	22.2	22.1	22.5



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4 Test equipment

4.1 Dosimetric system

SAR measurements were made using the DASY4 professional system (software version 4.7, Build 55) with SAM twin phantom, manufactured by Schmid & Partner Engineering AG (SPEAG). The list of calibrated equipment is given below.

Description	Serial Number	Due Date
DASY4 DAE3	449	2008-12
E-field probe ET3DV6	1610	2008-11
E-field probe ET3DV6	1611	2008-12
Dipole Validation Kit, D835V2	442	2008-12
Dipole Validation Kit, D1900V2	539	2008-12
Dipole Validation Kit, D2450V2	721	2009-01

4.2 Additional equipment

Description	Inventory Number	Due Date
Signal generator R&S SMY 02	3.094	2009-04
Directional coupler HP778D	15.233	None
Power meter R&S NRVD	4.073	2009-04
Power sensor R&S NRV-Z5	4.074	2009-04
Power sensor R&S NRV-Z5	4.076	2009-04
Network analyzer Agilent 8719D	2.022	2009-04
Dielectric probe kit HP8507C	14.046	Self Cal
R&S CMU200	20011270	2009-04



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5 Electrical parameters on the tissue simulating liquid

Prior to conducting SAR measurements, the relative permittivity, ϵ_r , and the conductivity σ , of the tissue simulating liquids were measured with the dielectric probe kit. These values are shown in the table below. The mass density, ρ , entered into the DASY4 software is also given. Recommended limits for permittivity ϵ_r , conductivity σ and mass density ρ are also shown.

f [MHz]	Tissue type	Measured / Recommended	Dielectric Parameters		Density
			ϵ_r	σ [S/m]	ρ [g/cm ³]
835	Head	Measured, 2008-08-18	40.2	0.86	1.00
		Recommended	41.5	0.90	1.00
835	Body	Measured, 2008-08-18	54.2	0.98	1.00
		Recommended	55.2	0.97	1.00
1900	Head	Measured, 2008-08-16	38.2	1.47	1.00
		Recommended	40.0	1.40	1.00
1900	Body	Measured, 2008-08-16	50.9	1.59	1.00
		Recommended	53.3	1.52	1.00
1900	Head	Measured, 2008-08-22	38.2	1.46	1.00
		Recommended	40.0	1.40	1.00
1900	Body	Measured, 2008-08-26	50.7	1.57	1.00
		Recommended	53.3	1.52	1.00
1900	Body	Measured, 2008-09-04	50.7	1.59	1.00
		Recommended	53.3	1.52	1.00
2450	Head	Measured, 2008-08-06	37.5	1.88	1.00
		Recommended	39.2	1.80	1.00
2450	Body	Measured, 2008-08-28	50.9	2.01	1.00
		Recommended	52.7	1.95	1.00



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6 System accuracy verification

A system accuracy verification of the DASY4 was performed using the dipole validation kit listed in section 3.1. The system verification test was conducted on the same day as the measurement of the DUT. The measurements were made at an ambient temperature of 22.0 -23.2 °C and humidity 43-48 %. The obtained results are displayed in the table below.

RF noise had been measured in liquid when all RF equipment in lab was switched off. Measured value was 0.0002 mW/g in 1g mass.

f [MHz]	Tissue type	Measured / Reference	SAR [W/kg] 1g / 10g	Dielectric Parameters		Density ρ [g/cm³]	Liquid T[°C]
				ε _r	σ [S/m]		
835	Head	Measured, 2008-08-18	9.28 / 6.16	40.2	0.86	1.00	22.5
		Reference	9.43 / 6.17	41.5	0.90	1.00	22.0
835	Body	Measured, 2008-08-18	9.84 / 6.52	54.2	0.98	1.00	22.5
		Reference	9.70 / 6.51	55.2	0.97	1.00	22.0
1900	Head	Measured, 2008-08-16	39.0 / 20.4	38.2	1.47	1.00	22.7
		Reference	35.9 / 19.1	40.0	1.40	1.00	22.0
1900	Body	Measured, 2008-08-16	40.4 / 21.2	50.9	1.59	1.00	23.0
		Reference	37.0 / 19.8	53.3	1.52	1.00	22.0
1900	Head	Measured, 2008-08-22	38.4 / 20.2	38.2	1.46	1.00	22.6
		Reference	35.9 / 19.1	40.0	1.40	1.00	22.0
1900	Body	Measured, 2008-08-26	40.0 / 21.1	50.7	1.57	1.00	22.4
		Reference	37.0 / 19.8	53.3	1.52	1.00	22.0
1900	Body	Measured, 2008-09-04	40.4 / 21.1	50.7	1.59	1.00	22.0
		Reference	37.0 / 19.8	53.3	1.52	1.00	22.0
2450	Head	Measured, 2008-08-28	58.0 / 26.7	37.5	1.88	1.00	22.8
		Reference	54.8 / 25.3	39.2	1.80	1.00	22.0
2450	Body	Measured, 2008-08-29	49.2 / 22.7	50.9	2.01	1.00	22.8
		Reference	52.1 / 24.3	52.7	1.95	1.00	22.0



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7 SAR measurement uncertainty

SAR measurement uncertainty evaluation for Sony Ericsson PY7A3880001 (X1i) phone According to IEEE 1528

Uncertainty Component	Uncer. (%)	Prob Dist.	Div.	C _i	1g mass
Measurement System					
Probe Calibration	±5.9	N	1	1	±5.9
Axial Isotropy	±4.7	R	√3	0.7	±1.9
Spherical Isotropy	±9.6	R	√3	0.7	±3.9
Boundary effect	±1.0	R	√3	1	±0.6
Probe linearity	±4.7	R	√3	1	±2.7
Detection limit	±1.0	R	√3	1	±0.6
Readout electronics	±0.3	N	1	1	±0.3
Response time	±0.8	R	√3	1	±0.5
Integration time	±2.6	R	√3	1	±1.5
RF Ambient Conditions	±3.0	R	√3	1	±1.7
Mech. Constraints of robot	±0.4	R	√3	1	±0.2
Probe positioning	±2.9	R	√3	1	±1.7
Extrap, interpolation and integration	±1.0	R	√3	1	±0.6
Measurement System Uncertainty					±8.4
Test Sample Related					
Device positioning	±3.5	N	1	1	±3.5
Device holder uncertainty	±3.5	N	1	1	±3.5
Power drift	±5.0	R	√3	1	±2.9
Test Sample Related Uncertainty					±5.5
Phantom and Tissue Parameters					
Phantom uncertainty	±4.0	R	√3	1	±2.3
Liquid conductivity (measured)	±2.5	R	1	0.64	±1.6
Liquid conductivity (target)	±5.0	R	√3	0.64	±1.8
Liquid Permittivity (measured)	±2.5	R	1	0.6	±1.5
Liquid Permittivity (target)	±5.0	R	√3	0.6	±1.7
Phantom and Tissue Parameters Uncertainty					±4.1
Combined standard uncertainty					±10.8
Extended standard uncertainty (k=2)					±21.6



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8 Test results

The ambient humidity and temperature of test facility were 43-48% and 22.0-23.2 °C respectively. A base station simulator was used to control the device during the SAR measurement. The DUT was supplied with a fully charged battery for each measurement. SAR in WLAN mode had been measured with 100% duty-cycle with Bit rate speed of 1Mbit/sec.

For head measurement, the DUT was tested on the right-hand side, and the left-hand side of the phantom in two phone positions, cheek (touch) and tilt (cheek + 15°). The DUT was tested at the lowest, middle and highest frequencies in the transmission band. The measured 1-gram averaged SAR values of the DUT towards the head are provided in Table 1.

For body measurement the DUT was tested with the back (antenna) and front(display) towards the phantom flat section with 15 mm distance in both speech and data mode. For all modes, the device was tested at the lowest, middle and highest frequencies in the transmission band. For portable hands free (PHF) usage the Sony Ericsson head set HPB-60 was connected to the DUT, and for Bluetooth (BT) the DUT was paired with Sony Ericsson HBH-60. The measured 1-gram averaged SAR values of the DUT towards the body are provided in Table 2.



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Band	Channel	Measured output power ¹ [dBm]	Position	Liquid T [°C]	Measured SAR [W/kg]	
					Left-hand 1g mass	Right-hand 1g mas
GSM 850	128	33.4	Cheek	22.5	0.26	0.28
			Tilt	22.5	-	0.28
	190	33.5	Cheek	22.5	0.20	0.27
			Tilt	22.5	0.17	0.26
	251	33.4	Cheek	22.5	0.19	0.17
			Tilt	22.5	-	0.18
GSM 1900	512	30.5	Cheek	22.7	0.37	0.31
			Tilt	22.7	-	-
	661	30.5	Cheek	22.7	0.41	0.33
			Tilt	22.7	0.18	0.21
	810	30.4	Cheek	22.7	0.44	0.38
			Tilt	22.7	-	-
UMTS 2	9262	24.5	Cheek	22.6	0.92	0.76
			Tilt	22.6	-	-
	9400	24.4	Cheek	22.6	0.85	0.67
			Tilt	22.6	0.34	0.36
	9538	24.3	Cheek	22.6	0.92	0.77
			Tilt	22.6	-	-
WLAN	1	18.4	Cheek	22.8	-	-
			Tilt	22.8	0.10	0.09
	6	18.4	Cheek	22.8	0.03	0.04
			Tilt	22.8	0.06	0.07
	11	18.7	Cheek	22.8	-	-
			Tilt	22.8	0.07	0.06

Table 1: SAR measurement result for Sony Ericsson PY7A3880001 telephone at highest possible output power. Measured towards the head.

¹ Measured output values were provided by the customer.



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Band	Channel	Measured output power ² [dBm]	Position / Mode	Liquid T [°C]	Measured SAR [W/kg] 1g mass
GSM 850	128	33.4	Back / BT	22.5	0.82
			Back / PHF	22.5	0.40
			Back / GPRS	22.5	0.91
			Front To Phantom	22.5	0.33
	190	33.5	Back / EDGE	22.5	0.34
			Back / GPRS	22.5	0.77
			Back / BT	22.5	0.71
			Back / GPRS	22.5	0.67
GSM 1900	512	30.5	Back / BT	22.5	0.60
			Back / GPRS	22.5	0.61
	661	30.5	Back / BT	22.5	0.57
			Back / GPRS	22.5	0.64
	810	30.4	Back / BT	22.5	0.60
			Back / PHF	22.5	0.75
			Back / GPRS	22.5	0.71
			Front To Phantom	22.5	0.65
			Back / EDGE	22.5	0.18
			Back / HSDPA	22.5	0.43
UMTS 2	9262	24.5	Back / HSDPA	22.4	1.32
			Back / HSUPA	22.0	0.79
			Back / BT	22.4	1.47
			Back / PHF	22.4	1.37
	9400	24.4	Front to Phantom	22.4	0.36
			Back / HSDPA	22.4	1.09
			Back / HSUPA	22.0	0.60
			Back / BT	22.4	1.32
	9538	24.3	Back / HSDPA	22.4	1.30
			Back / HSUPA	22.0	0.45
			Back / BT	22.4	1.39
			Back / WLAN	22.8	0.10
WLAN	1	18.4	Front to Phantom	22.8	0.01
	6	18.4	Back / WLAN	22.8	0.07
	11	18.7	Back / WLAN	22.8	0.07

Table 2: SAR measurement result for Sony Ericsson PY7A3880001 telephone at highest possible output power. Measured towards the body.

² Measured output values were provided by the customer.



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- [1] R.Plicanic. "SAR Measurement Specification of Wireless Handsets". Sony Ericsson SAR Test Laboratory internal document GUG/N 03:141
- [2] FCC. "Evaluating Compliance with FCC Guidelines for Human Exposure to Radio Frequency Electromagnetic Fields: Additional Information for Evaluating Compliance of Mobile and Portable Devices with FCC Limits for Human Exposure to Radio Frequency Emissions." Supplement C (Edition 01-01) to OET Bulletin 65 (Edition 97- 01).
- [3] IEEE. "Recommended Practice for Determining the Peak Spatial-Average Specific Absorption Rate (SAR) in the Human Body Due to Wireless Communications Devices: Experimental Techniques." Std 1528-2003. June. 2003.
- [4] IEC 62209-1. "Procedure to measure the Specific Absorption Rate (SAR) for hand-held mobile wireless devices in the frequency range of 300 MHz to 3 GHz". February 2005.
- [5] FCC KDB248227. "SAR Measurement procedure for 802.11a/b/g Transmitters", May 2007.
- [6] FCC KDB648474. "SAR Evaluation Consideration for HANDSETS with Multiple Transmitters and Antenna", April 2008.

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10 Appendix

10.1 Photographs of the device under test

**Front & Back****Sides****Back side with battery****Top and Bottom**

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10.2 Device position at SAM Twin Phantom



DUT position towards the head: Cheek (touch) position



DUT position towards the head: Tilt (touch + 15°) position



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DUT in body position with 15 mm distance



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10.3

Attachments

- System validation
- Measurement plots for head and body position
- Probe calibration
- Dipole calibration

Date/Time: 8/16/2008 1:29:45 PM

Test Laboratory: Sony Ericsson Mobile Communications International AB

Body-Flat15mm-Venus-1900-Bluetooth-High**DUT: Venus; Type: DUT; Serial: #13061**

Communication System: GSM 1900; Frequency: 1909.8 MHz; Duty Cycle: 1:8.3

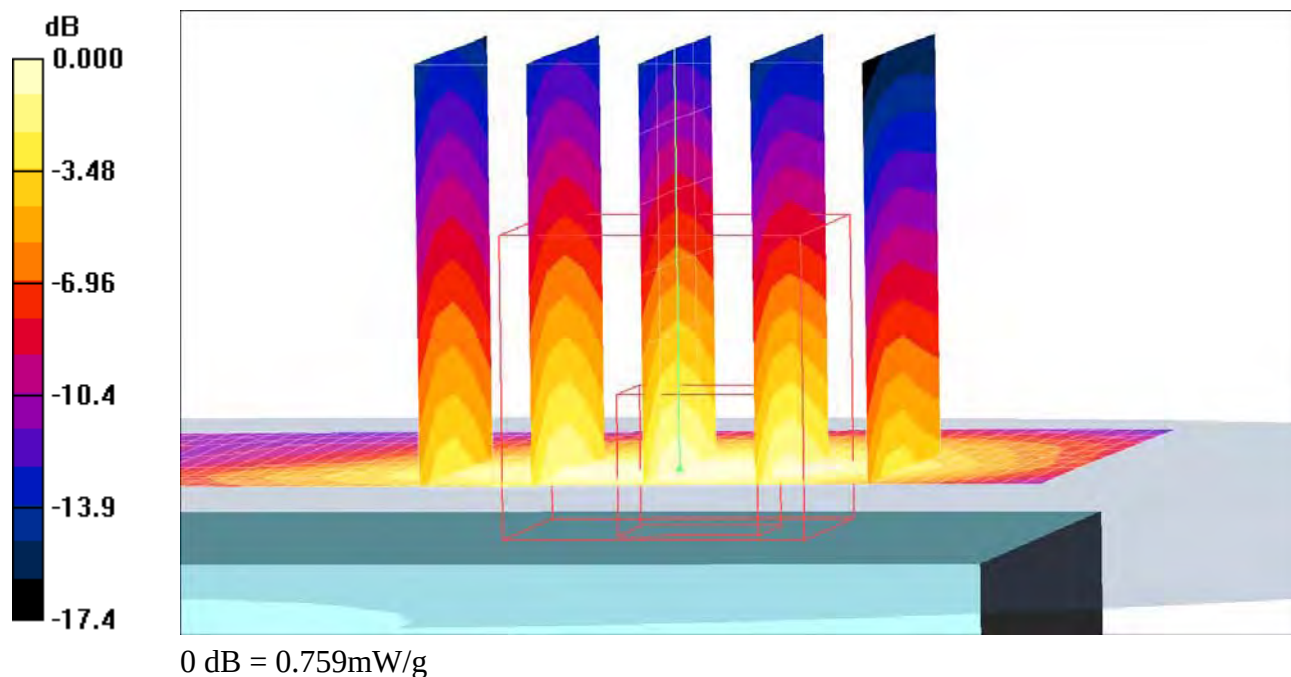
Medium parameters used: $f = 1909.8 \text{ MHz}$; $\sigma = 1.61 \text{ mho/m}$; $\epsilon_r = 50.9$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1611; ConvF(4.79, 4.79, 4.79); Calibrated: 12/17/2007
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn449; Calibrated: 12/19/2007
- Phantom: SAM-3; Type: SAM; Serial: 1436
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

Body 3/Area Scan (41x81x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$ Maximum value of SAR (interpolated) = 0.772 mW/g **Body 3/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 8.40 V/m ; Power Drift = -0.061 dB Peak SAR (extrapolated) = 1.23 W/kg **SAR(1 g) = 0.711 mW/g ; SAR(10 g) = 0.402 mW/g** Maximum value of SAR (measured) = 0.759 mW/g 

Date/Time: 8/16/2008 12:58:23 PM

Test Laboratory: Sony Ericsson Mobile Communications International AB

Body-Flat15mm-Venus-1900-Bluetooth-Low**DUT: Venus; Type: DUT; Serial: #13061**

Communication System: GSM 1900; Frequency: 1850.2 MHz; Duty Cycle: 1:8.3

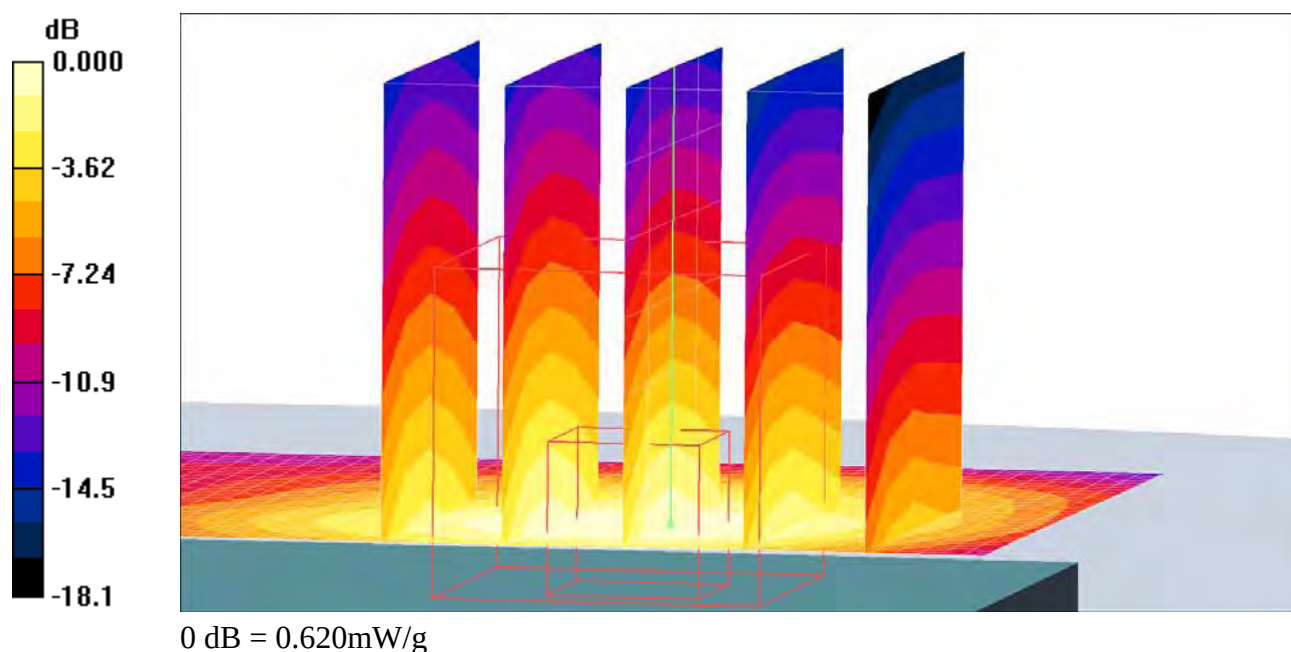
Medium parameters used: $f = 1850.2 \text{ MHz}$; $\sigma = 1.53 \text{ mho/m}$; $\epsilon_r = 51.1$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1611; ConvF(4.79, 4.79, 4.79); Calibrated: 12/17/2007
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn449; Calibrated: 12/19/2007
- Phantom: SAM-3; Type: SAM; Serial: 1436
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

Body/Area Scan (41x81x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$ Maximum value of SAR (interpolated) = 0.630 mW/g **Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 8.08 V/m ; Power Drift = -0.056 dB Peak SAR (extrapolated) = 0.958 W/kg **SAR(1 g) = 0.569 mW/g ; SAR(10 g) = 0.325 mW/g** Maximum value of SAR (measured) = 0.620 mW/g 

Date/Time: 8/16/2008 1:18:51 PM

Test Laboratory: Sony Ericsson Mobile Communications International AB

Body-Flat15mm-Venus-1900-Bluetooth-Middle**DUT: Venus; Type: DUT; Serial: #13061**

Communication System: GSM 1900; Frequency: 1880 MHz; Duty Cycle: 1:8.3

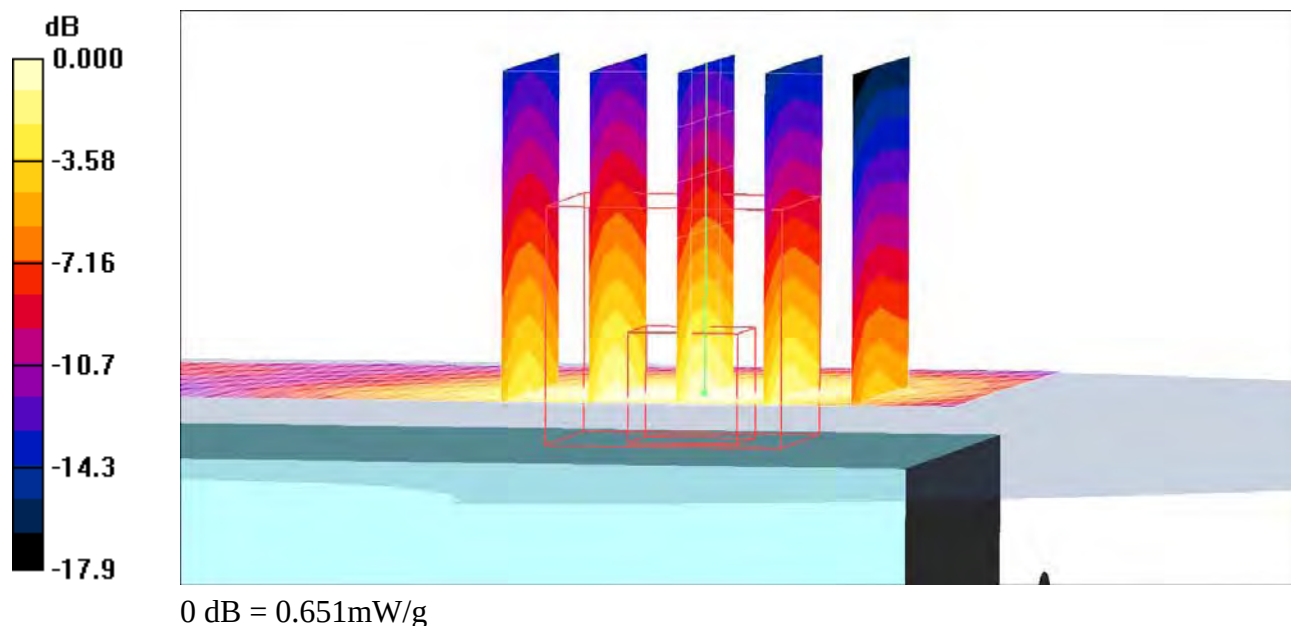
Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.57 \text{ mho/m}$; $\epsilon_r = 51$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1611; ConvF(4.79, 4.79, 4.79); Calibrated: 12/17/2007
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn449; Calibrated: 12/19/2007
- Phantom: SAM-3; Type: SAM; Serial: 1436
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

Body 2/Area Scan (41x81x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$ Maximum value of SAR (interpolated) = 0.646 mW/g **Body 2/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 7.66 V/m ; Power Drift = -0.007 dB Peak SAR (extrapolated) = 1.03 W/kg **SAR(1 g) = 0.601 mW/g ; SAR(10 g) = 0.339 mW/g** Maximum value of SAR (measured) = 0.651 mW/g 

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Test Laboratory: Sony Ericsson Mobile Communications International AB

Body-Flat15mm-Venus-1900-EDGE-High**DUT: Venus; Type: DUT; Serial: #13061**

Communication System: GPRS 1900; Frequency: 1909.8 MHz; Duty Cycle: 1:4.15

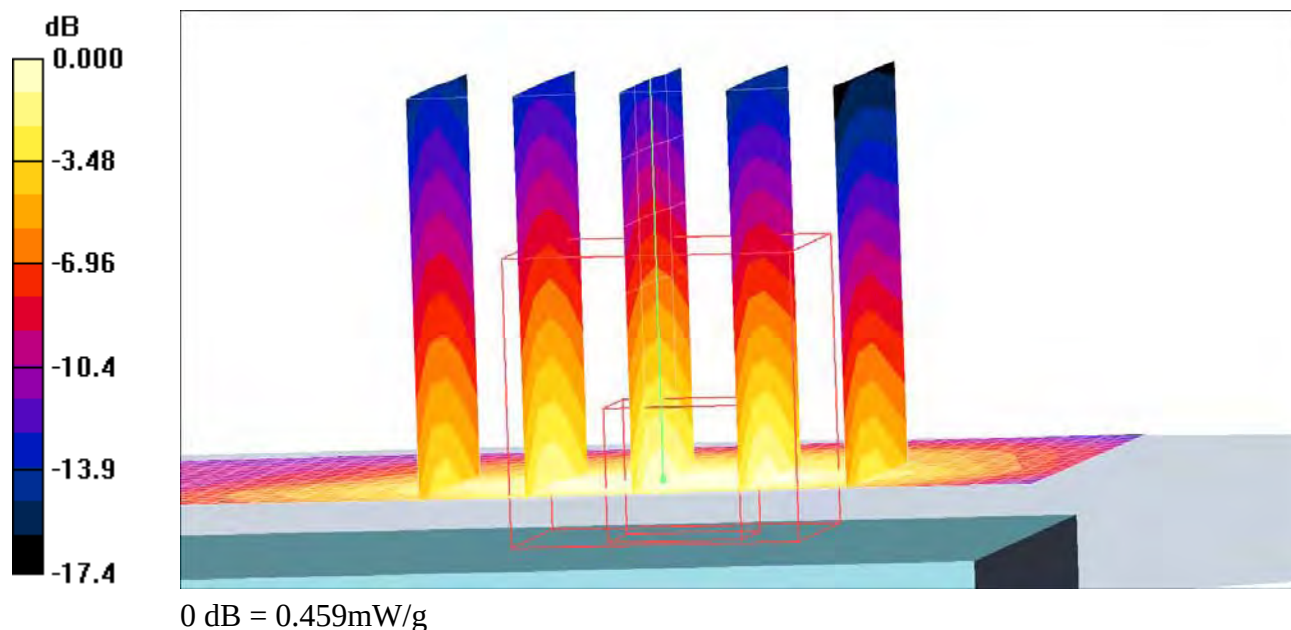
Medium parameters used: $f = 1909.8 \text{ MHz}$; $\sigma = 1.59 \text{ mho/m}$; $\epsilon_r = 50.7$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1611; ConvF(4.79, 4.79, 4.79); Calibrated: 12/17/2007
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn449; Calibrated: 12/19/2007
- Phantom: SAM-3; Type: SAM; Serial: 1436
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

Body/Area Scan (41x81x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$ Maximum value of SAR (interpolated) = 0.462 mW/g **Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 6.72 V/m ; Power Drift = 0.139 dB Peak SAR (extrapolated) = 0.750 W/kg **SAR(1 g) = 0.430 mW/g ; SAR(10 g) = 0.241 mW/g** Maximum value of SAR (measured) = 0.459 mW/g 

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Test Laboratory: Sony Ericsson Mobile Communications International AB

Body-Flat15mm-Venus-1900-Front-to-Phantom-High**DUT: Venus; Type: DUT; Serial: #13061**

Communication System: GPRS 1900; Frequency: 1909.8 MHz; Duty Cycle: 1:4.15

Medium parameters used: $f = 1909.8 \text{ MHz}$; $\sigma = 1.61 \text{ mho/m}$; $\epsilon_r = 50.9$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1611; ConvF(4.79, 4.79, 4.79); Calibrated: 12/17/2007
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn449; Calibrated: 12/19/2007
- Phantom: SAM-3; Type: SAM; Serial: 1436
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

Body/Area Scan (41x81x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (interpolated) = 0.196 mW/g

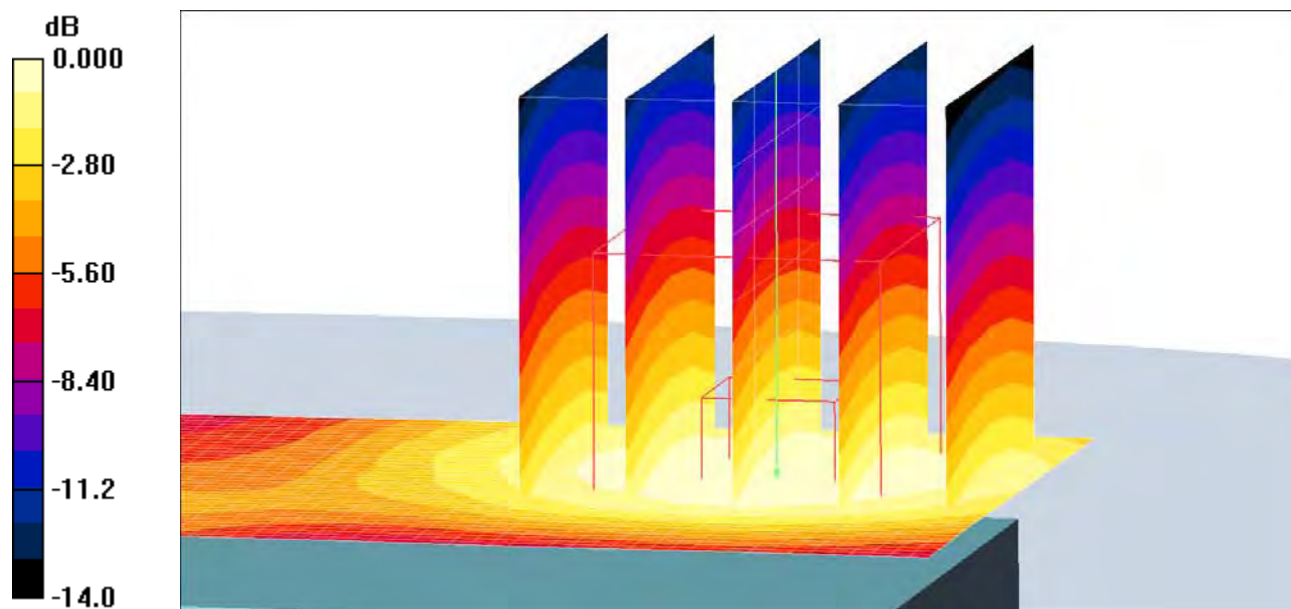
Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 6.32 V/m; Power Drift = 0.044 dB

Peak SAR (extrapolated) = 0.276 W/kg

SAR(1 g) = 0.179 mW/g; SAR(10 g) = 0.115 mW/g

Maximum value of SAR (measured) = 0.192 mW/g



0 dB = 0.192mW/g

Date/Time: 8/16/2008 12:13:21 PM

Test Laboratory: Sony Ericsson Mobile Communications International AB

Body-Flat15mm-Venus-1900-GPRS-High**DUT: Venus; Type: DUT; Serial: #13061**

Communication System: GPRS 1900; Frequency: 1909.8 MHz; Duty Cycle: 1:4.15

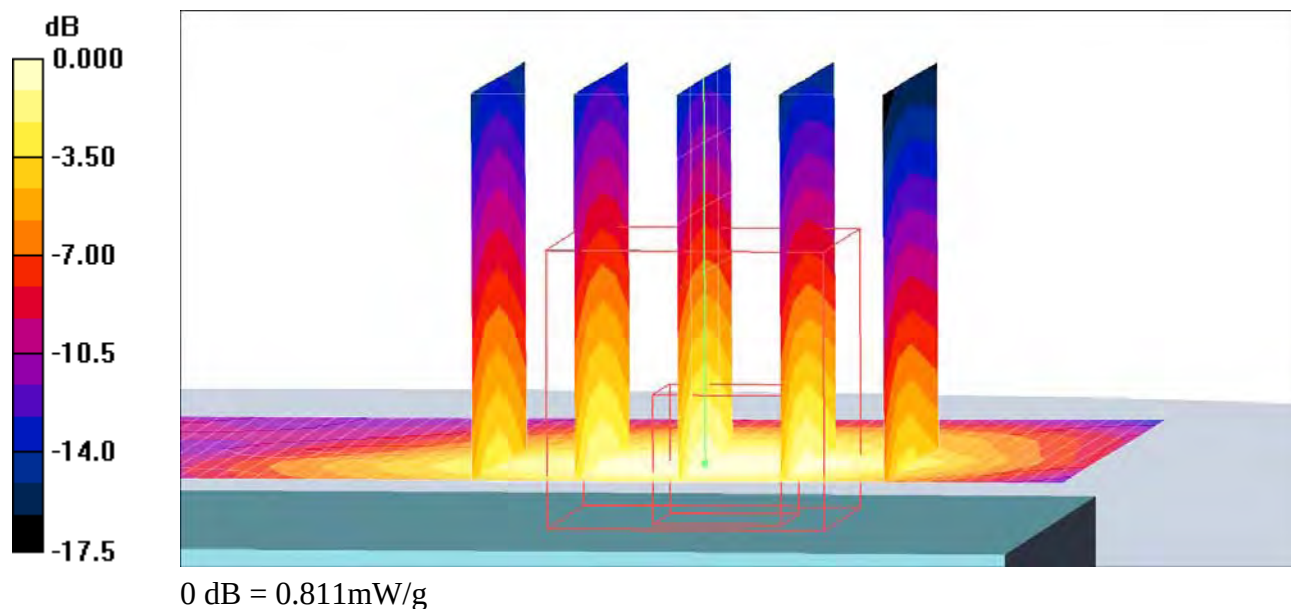
Medium parameters used: $f = 1909.8 \text{ MHz}$; $\sigma = 1.61 \text{ mho/m}$; $\epsilon_r = 50.9$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DAS4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1611; ConvF(4.79, 4.79, 4.79); Calibrated: 12/17/2007
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn449; Calibrated: 12/19/2007
- Phantom: SAM-3; Type: SAM; Serial: 1436
- Measurement SW: DAS4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

Body 3/Area Scan (41x81x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$ Maximum value of SAR (interpolated) = 0.831 mW/g **Body 3/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 9.52 V/m ; Power Drift = -0.204 dB Peak SAR (extrapolated) = 1.31 W/kg **SAR(1 g) = 0.752 mW/g ; SAR(10 g) = 0.422 mW/g** Maximum value of SAR (measured) = 0.811 mW/g 

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Test Laboratory: Sony Ericsson Mobile Communications International AB

Body-Flat15mm-Venus-1900-GPRS-Low**DUT: Venus; Type: DUT; Serial: #13061**

Communication System: GPRS 1900; Frequency: 1850.2 MHz; Duty Cycle: 1:4.15

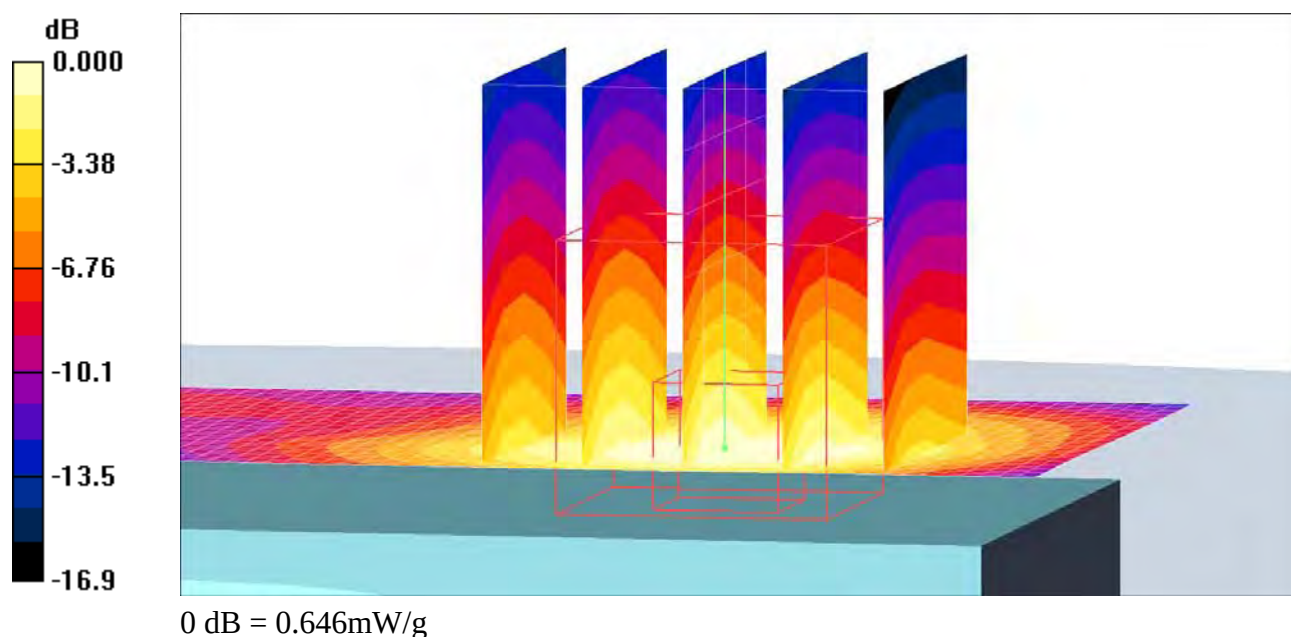
Medium parameters used: $f = 1850.2 \text{ MHz}$; $\sigma = 1.53 \text{ mho/m}$; $\epsilon_r = 51.1$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1611; ConvF(4.79, 4.79, 4.79); Calibrated: 12/17/2007
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn449; Calibrated: 12/19/2007
- Phantom: SAM-3; Type: SAM; Serial: 1436
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

Body/Area Scan (41x81x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$ Maximum value of SAR (interpolated) = 0.677 mW/g **Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 8.72 V/m ; Power Drift = 0.016 dB Peak SAR (extrapolated) = 1.03 W/kg **SAR(1 g) = 0.607 mW/g ; SAR(10 g) = 0.345 mW/g** Maximum value of SAR (measured) = 0.646 mW/g 

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Test Laboratory: Sony Ericsson Mobile Communications International AB

Body-Flat15mm-Venus-1900-GPRS-Middle**DUT: Venus; Type: DUT; Serial: #13061**

Communication System: GPRS 1900; Frequency: 1880 MHz; Duty Cycle: 1:4.15

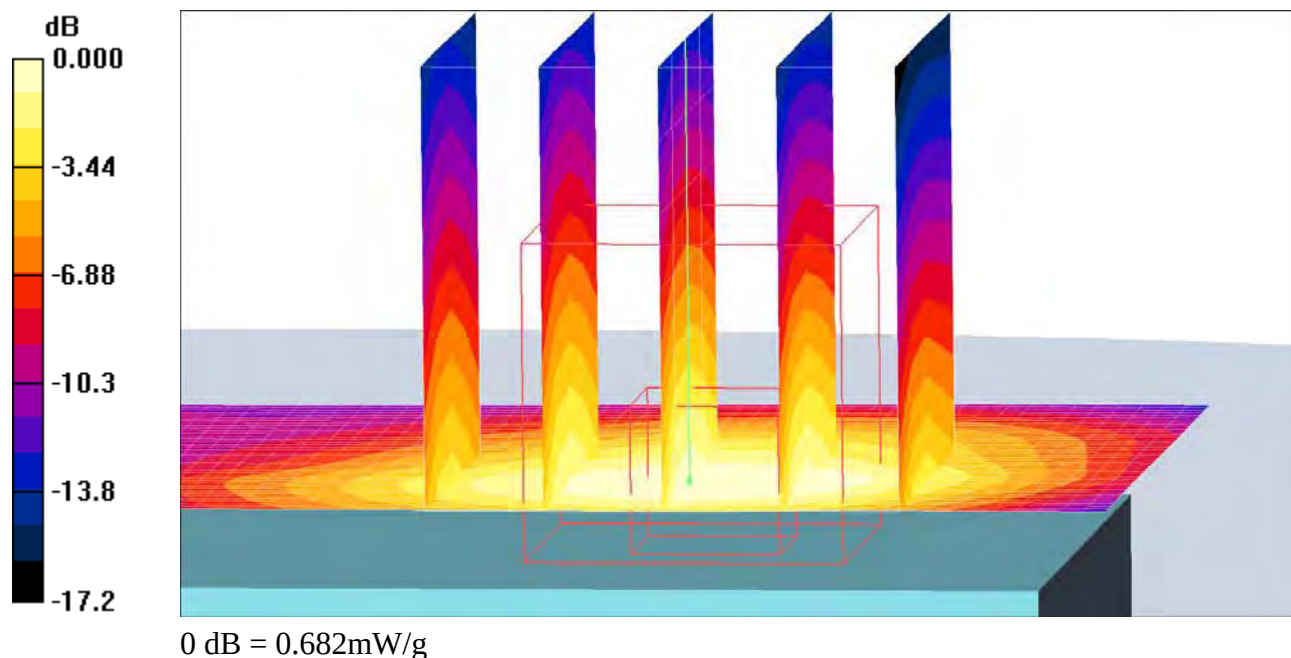
Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.57 \text{ mho/m}$; $\epsilon_r = 51$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1611; ConvF(4.79, 4.79, 4.79); Calibrated: 12/17/2007
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn449; Calibrated: 12/19/2007
- Phantom: SAM-3; Type: SAM; Serial: 1436
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

Body 2/Area Scan (41x81x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$ Maximum value of SAR (interpolated) = 0.712 mW/g **Body 2/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 8.51 V/m ; Power Drift = -0.110 dB Peak SAR (extrapolated) = 1.08 W/kg **SAR(1 g) = 0.635 mW/g ; SAR(10 g) = 0.359 mW/g** Maximum value of SAR (measured) = 0.682 mW/g 

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Test Laboratory: Sony Ericsson Mobile Communications International AB

Body-Flat15mm-Venus-1900-PHF-High**DUT: Venus; Type: DUT; Serial: #13061**

Communication System: GSM 1900; Frequency: 1909.8 MHz; Duty Cycle: 1:8.3

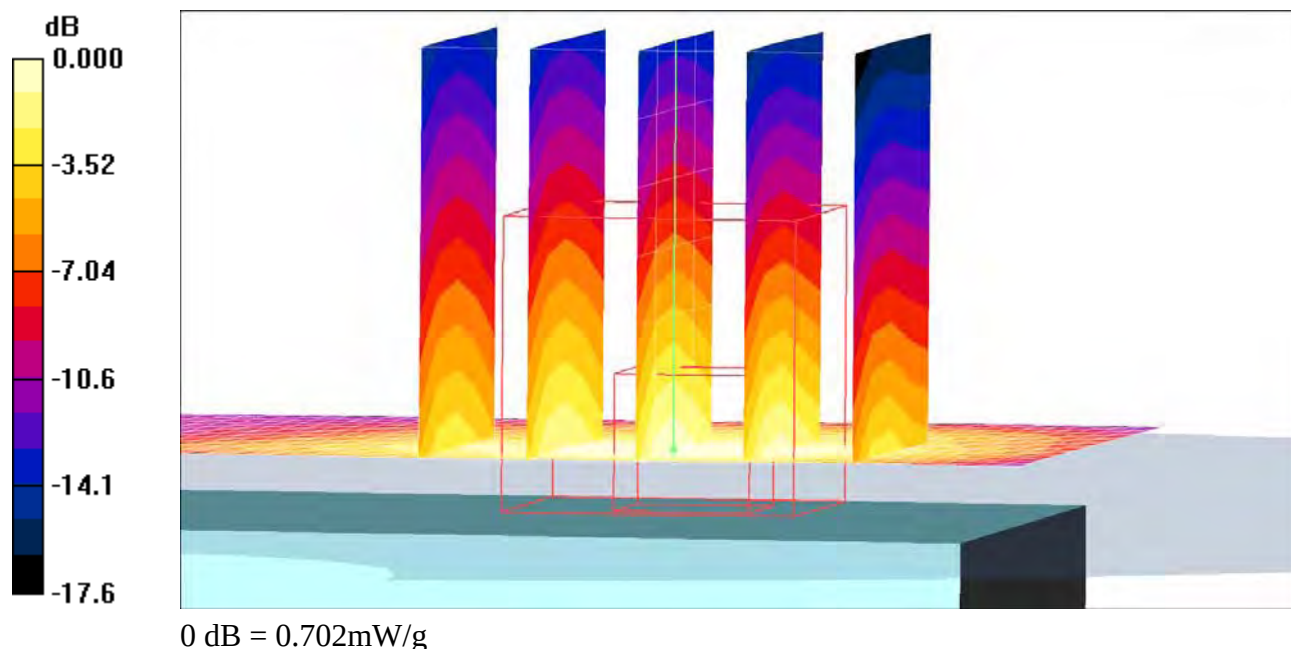
Medium parameters used: $f = 1909.8 \text{ MHz}$; $\sigma = 1.61 \text{ mho/m}$; $\epsilon_r = 50.9$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1611; ConvF(4.79, 4.79, 4.79); Calibrated: 12/17/2007
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn449; Calibrated: 12/19/2007
- Phantom: SAM-3; Type: SAM; Serial: 1436
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

Body/Area Scan (41x81x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$ Maximum value of SAR (interpolated) = 0.706 mW/g **Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 9.25 V/m ; Power Drift = -0.057 dB Peak SAR (extrapolated) = 1.12 W/kg **SAR(1 g) = 0.648 mW/g ; SAR(10 g) = 0.363 mW/g** Maximum value of SAR (measured) = 0.702 mW/g 

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Test Laboratory: Sony Ericsson Mobile Communications International AB

Body-Flat15mm-Venus-850-Bluetooth-High**DUT: Venus; Type: DUT; Serial: #13061**

Communication System: GSM 850; Frequency: 848.8 MHz; Duty Cycle: 1:8.3

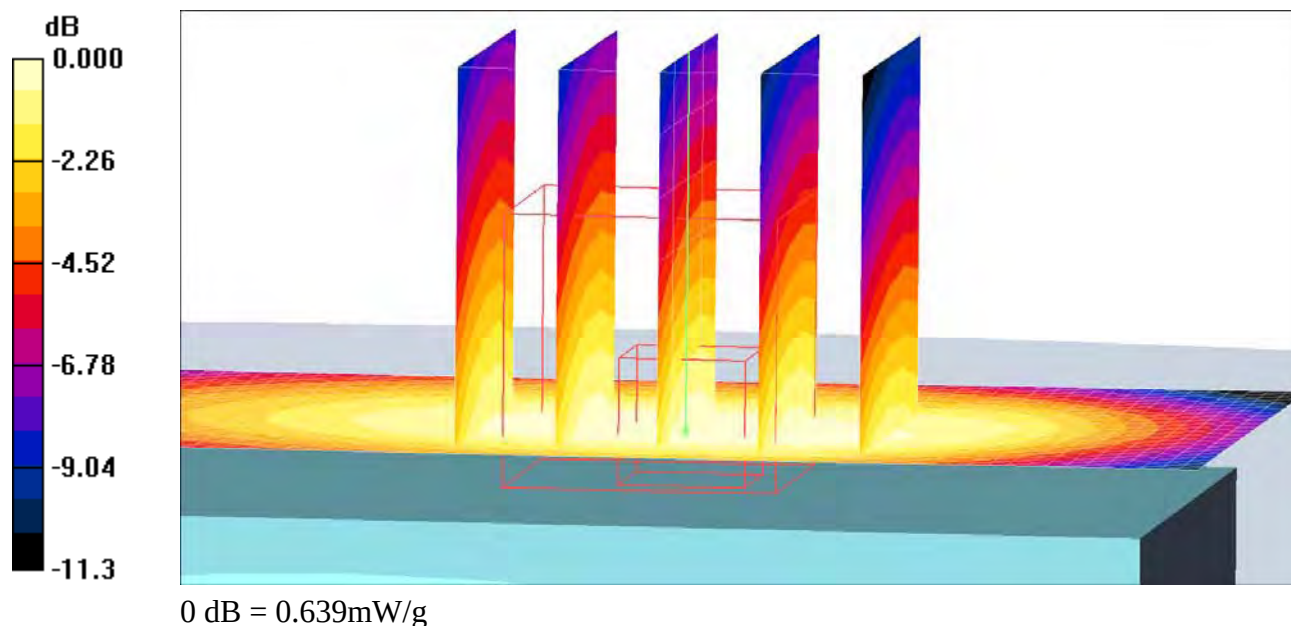
Medium parameters used: $f = 848.8 \text{ MHz}$; $\sigma = 0.99 \text{ mho/m}$; $\epsilon_r = 54$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1611; ConvF(6.49, 6.49, 6.49); Calibrated: 12/17/2007
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn449; Calibrated: 12/19/2007
- Phantom: SAM-3; Type: SAM; Serial: 1436
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

Body 3/Area Scan (41x81x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$ Maximum value of SAR (interpolated) = 0.627 mW/g **Body 3/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 24.3 V/m ; Power Drift = 0.078 dB Peak SAR (extrapolated) = 0.782 W/kg **SAR(1 g) = 0.603 mW/g ; SAR(10 g) = 0.433 mW/g** Maximum value of SAR (measured) = 0.639 mW/g 

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Test Laboratory: Sony Ericsson Mobile Communications International AB

Body-Flat15mm-Venus-850-Bluetooth-Low**DUT: Venus; Type: DUT; Serial: #13061**

Communication System: GSM 850; Frequency: 824.2 MHz; Duty Cycle: 1:8.3

Medium parameters used: $f = 824.2$ MHz; $\sigma = 0.97$ mho/m; $\epsilon_r = 54.3$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1611; ConvF(6.49, 6.49, 6.49); Calibrated: 12/17/2007
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn449; Calibrated: 12/19/2007
- Phantom: SAM-3; Type: SAM; Serial: 1436
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

Body/Area Scan (41x81x1): Measurement grid: dx=15mm, dy=15mm

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

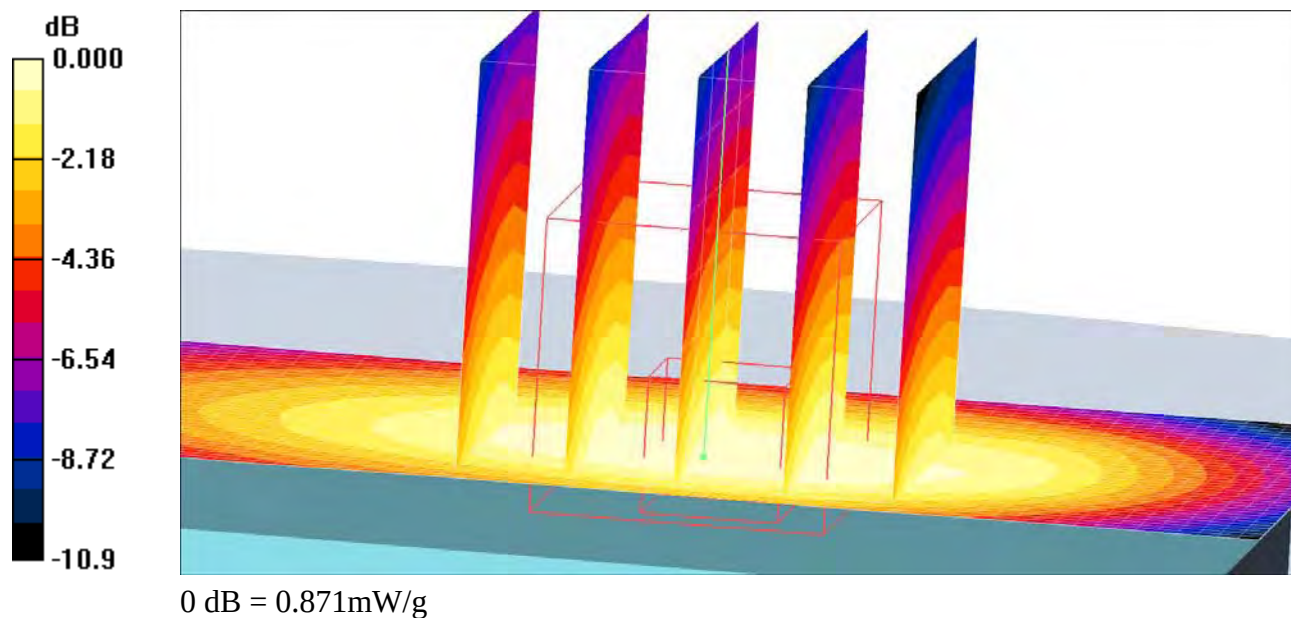
Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 29.0 V/m; Power Drift = -0.077 dB

Peak SAR (extrapolated) = 1.06 W/kg

SAR(1 g) = 0.823 mW/g; SAR(10 g) = 0.592 mW/g

Maximum value of SAR (measured) = 0.871 mW/g



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Test Laboratory: Sony Ericsson Mobile Communications International AB

Body-Flat15mm-Venus-850-Bluetooth-Middle**DUT: Venus; Type: DUT; Serial: #13061**

Communication System: GSM 850; Frequency: 836.6 MHz; Duty Cycle: 1:8.3

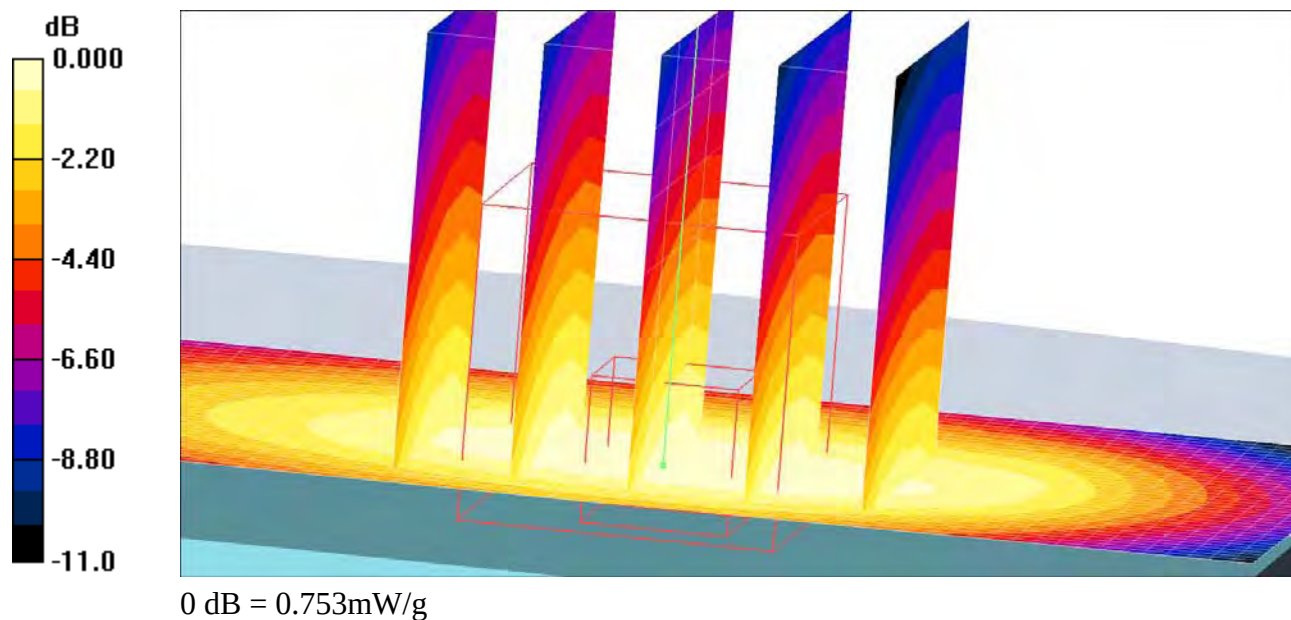
Medium parameters used: $f = 836.6 \text{ MHz}$; $\sigma = 0.98 \text{ mho/m}$; $\epsilon_r = 54.2$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1611; ConvF(6.49, 6.49, 6.49); Calibrated: 12/17/2007
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn449; Calibrated: 12/19/2007
- Phantom: SAM-3; Type: SAM; Serial: 1436
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

Body 2/Area Scan (41x81x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$ Maximum value of SAR (interpolated) = 0.741 mW/g **Body 2/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 26.5 V/m ; Power Drift = 0.001 dB Peak SAR (extrapolated) = 0.922 W/kg **SAR(1 g) = 0.711 mW/g ; SAR(10 g) = 0.513 mW/g** Maximum value of SAR (measured) = 0.753 mW/g 

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Test Laboratory: Sony Ericsson Mobile Communications International AB

Body-Flat15mm-Venus-850-EDGE-Low**DUT: Venus; Type: DUT; Serial: #13061**

Communication System: GSM 850; Frequency: 824.2 MHz; Duty Cycle: 1:4.15

Medium parameters used: $f = 824.2$ MHz; $\sigma = 0.97$ mho/m; $\epsilon_r = 54.3$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1611; ConvF(6.49, 6.49, 6.49); Calibrated: 12/17/2007
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn449; Calibrated: 12/19/2007
- Phantom: SAM-3; Type: SAM; Serial: 1436
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

Body/Area Scan (41x81x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.356 mW/g

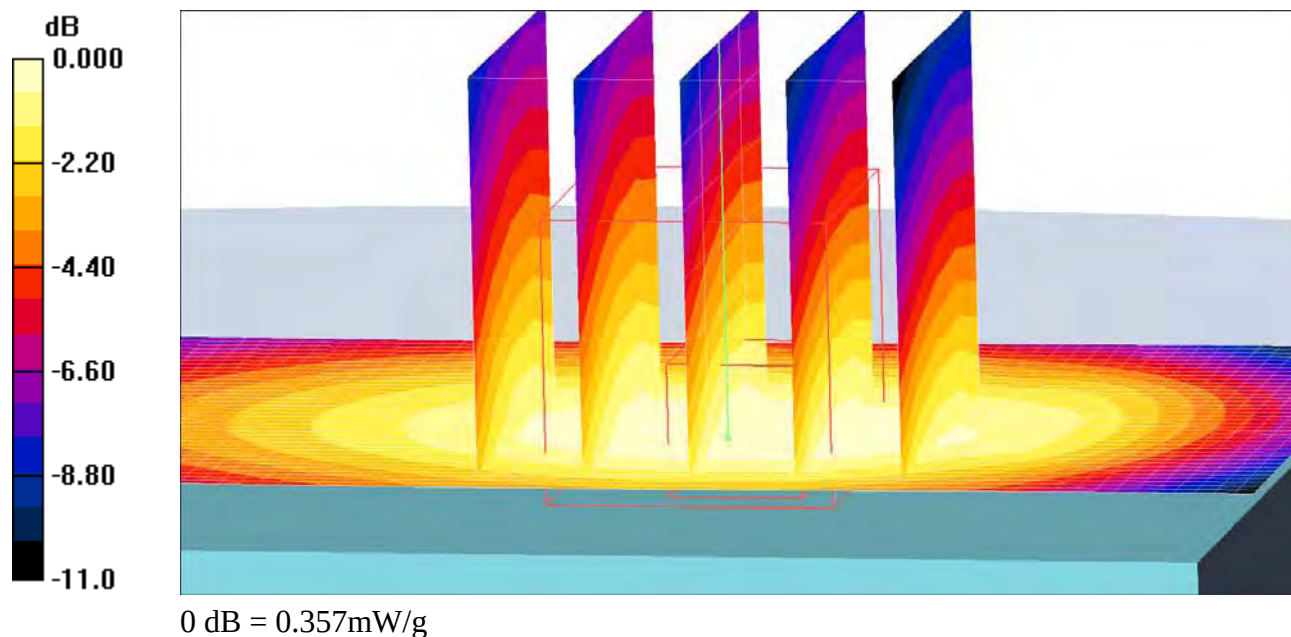
Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 18.4 V/m; Power Drift = -0.032 dB

Peak SAR (extrapolated) = 0.429 W/kg

SAR(1 g) = 0.338 mW/g; SAR(10 g) = 0.244 mW/g

Maximum value of SAR (measured) = 0.357 mW/g



Date/Time: 8/18/2008 4:50:22 PM

Test Laboratory: Sony Ericsson Mobile Communications International AB

Body-Flat15mm-Venus-850-Front-to-Phantom-Low**DUT: Venus; Type: DUT; Serial: #13061**

Communication System: GSM 850; Frequency: 824.2 MHz; Duty Cycle: 1:4.15

Medium parameters used: $f = 824.2$ MHz; $\sigma = 0.97$ mho/m; $\epsilon_r = 54.3$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DAS4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1611; ConvF(6.49, 6.49, 6.49); Calibrated: 12/17/2007
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn449; Calibrated: 12/19/2007
- Phantom: SAM-3; Type: SAM; Serial: 1436
- Measurement SW: DAS4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

Body/Area Scan (41x81x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.349 mW/g

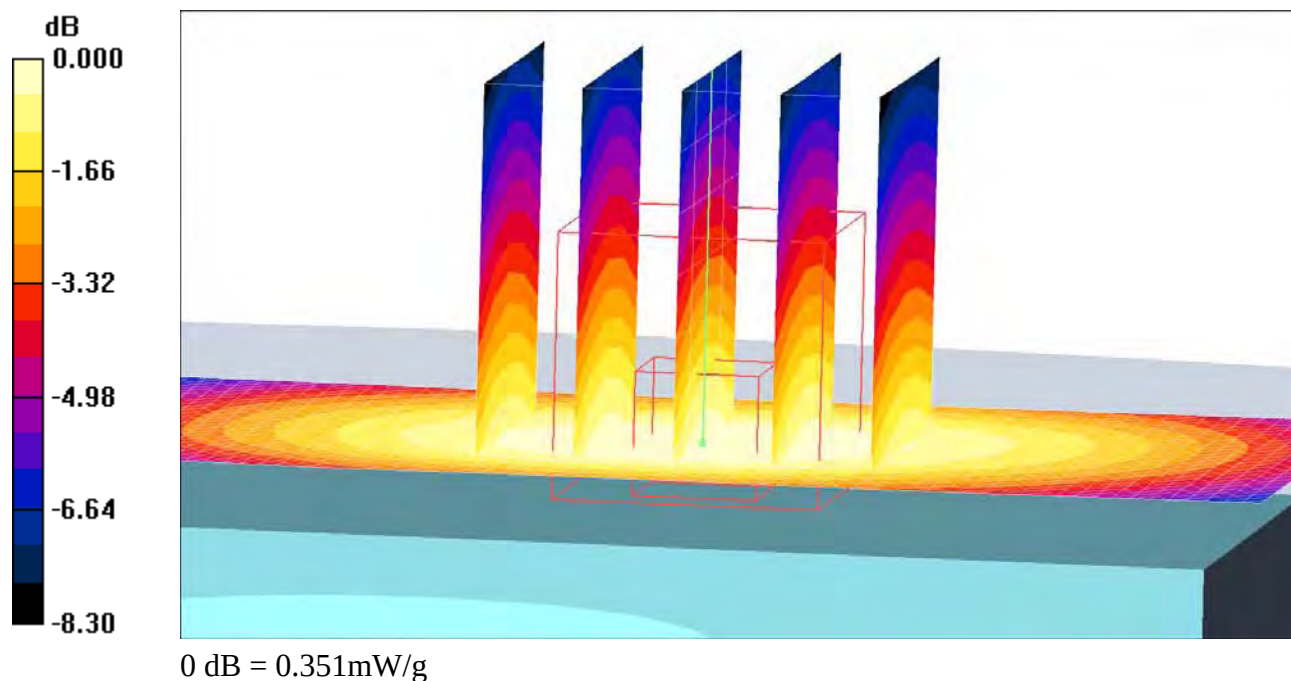
Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 19.7 V/m; Power Drift = -0.130 dB

Peak SAR (extrapolated) = 0.392 W/kg

SAR(1 g) = 0.330 mW/g; SAR(10 g) = 0.248 mW/g

Maximum value of SAR (measured) = 0.351 mW/g



Date/Time: 8/18/2008 3:03:46 PM

Test Laboratory: Sony Ericsson Mobile Communications International AB

Body-Flat15mm-Venus-850-GPRS-High**DUT: Venus; Type: DUT; Serial: #13061**

Communication System: GSM 850; Frequency: 848.8 MHz; Duty Cycle: 1:4.15

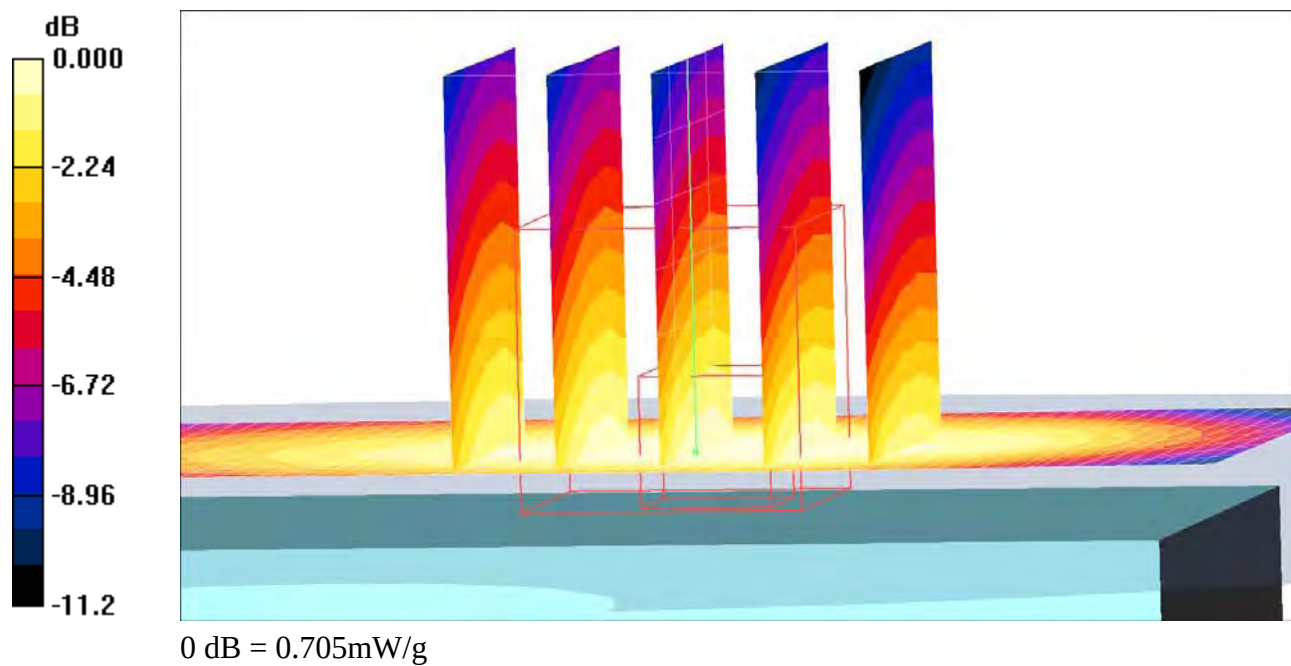
Medium parameters used: $f = 848.8 \text{ MHz}$; $\sigma = 0.99 \text{ mho/m}$; $\epsilon_r = 54$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1611; ConvF(6.49, 6.49, 6.49); Calibrated: 12/17/2007
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn449; Calibrated: 12/19/2007
- Phantom: SAM-3; Type: SAM; Serial: 1436
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

Body 3/Area Scan (41x81x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$ Maximum value of SAR (interpolated) = 0.698 mW/g **Body 3/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 25.8 V/m ; Power Drift = 0.056 dB Peak SAR (extrapolated) = 0.879 W/kg **SAR(1 g) = 0.671 mW/g ; SAR(10 g) = 0.484 mW/g** Maximum value of SAR (measured) = 0.705 mW/g 

Date/Time: 8/18/2008 2:30:06 PM

Test Laboratory: Sony Ericsson Mobile Communications International AB

Body-Flat15mm-Venus-850-GPRS-Low**DUT: Venus; Type: DUT; Serial: #13061**

Communication System: GSM 850; Frequency: 824.2 MHz; Duty Cycle: 1:4.15

Medium parameters used: $f = 824.2$ MHz; $\sigma = 0.97$ mho/m; $\epsilon_r = 54.3$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1611; ConvF(6.49, 6.49, 6.49); Calibrated: 12/17/2007
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn449; Calibrated: 12/19/2007
- Phantom: SAM-3; Type: SAM; Serial: 1436
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

Body/Area Scan (41x81x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.966 mW/g

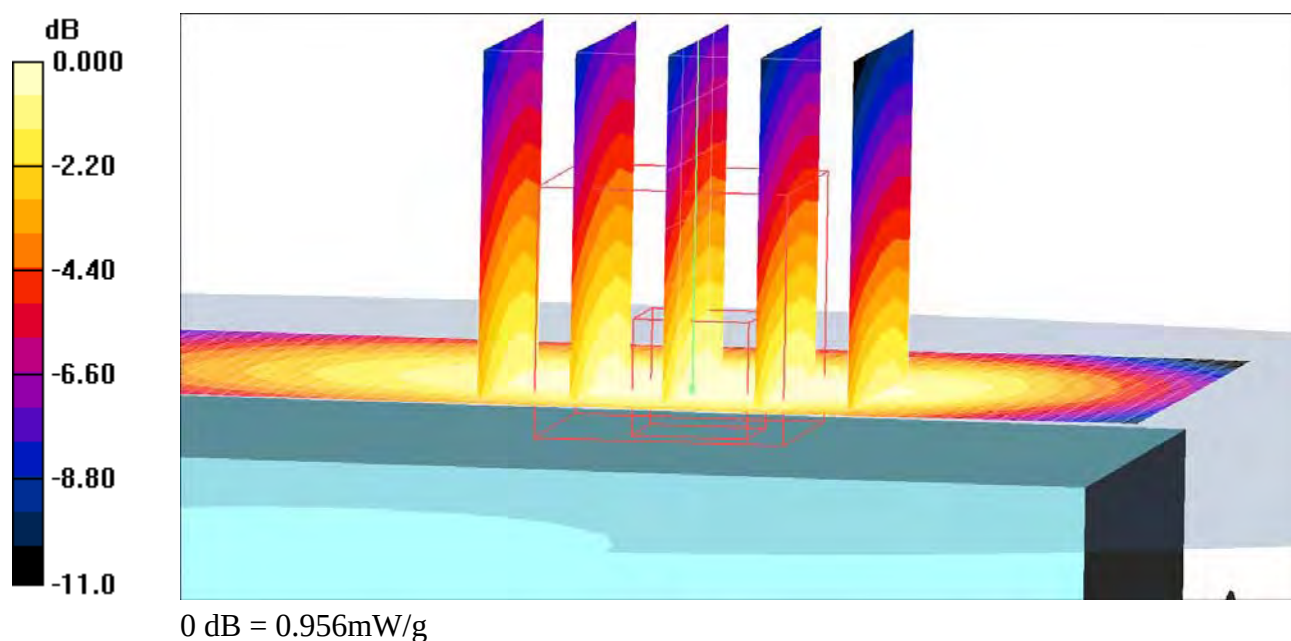
Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 30.5 V/m; Power Drift = -0.200 dB

Peak SAR (extrapolated) = 1.17 W/kg

SAR(1 g) = 0.906 mW/g; SAR(10 g) = 0.652 mW/g

Maximum value of SAR (measured) = 0.956 mW/g



Date/Time: 8/18/2008 2:47:31 PM

Test Laboratory: Sony Ericsson Mobile Communications International AB

Body-Flat15mm-Venus-850-GPRS-Middle**DUT: Venus; Type: DUT; Serial: #13061**

Communication System: GSM 850; Frequency: 836.6 MHz; Duty Cycle: 1:4.15

Medium parameters used: $f = 836.6$ MHz; $\sigma = 0.98$ mho/m; $\epsilon_r = 54.2$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1611; ConvF(6.49, 6.49, 6.49); Calibrated: 12/17/2007
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn449; Calibrated: 12/19/2007
- Phantom: SAM-3; Type: SAM; Serial: 1436
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

Body 2/Area Scan (41x81x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.807 mW/g

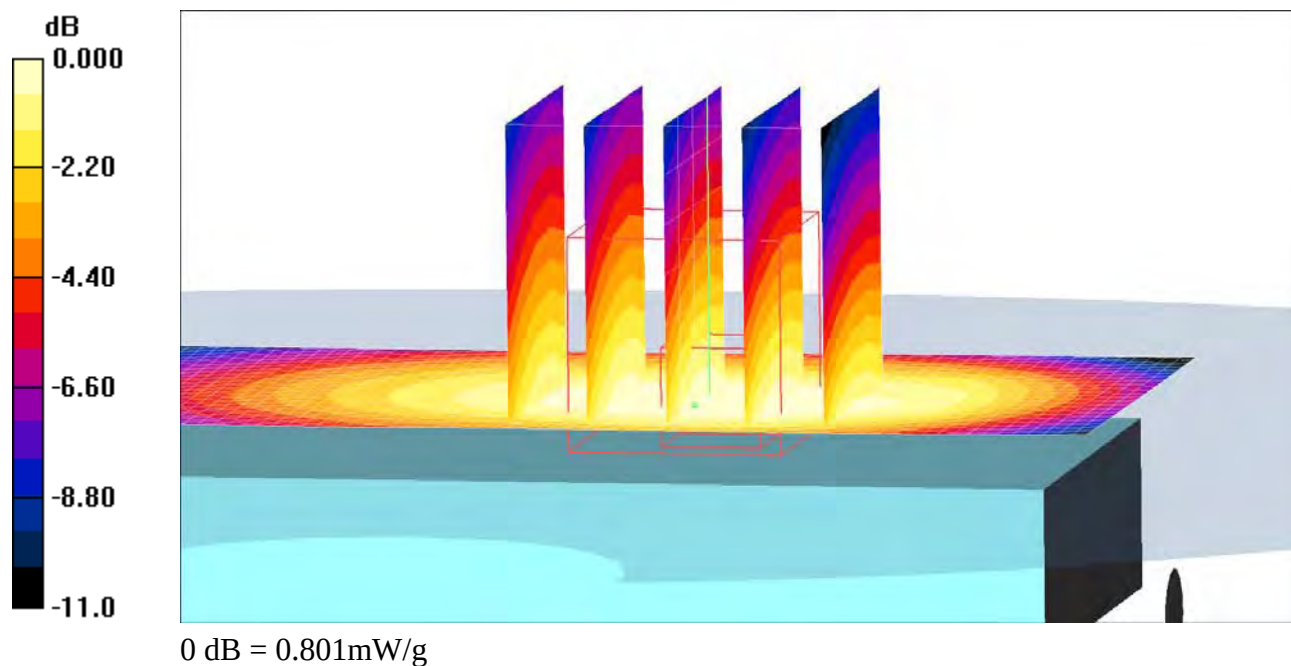
Body 2/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 27.6 V/m; Power Drift = -0.014 dB

Peak SAR (extrapolated) = 1.01 W/kg

SAR(1 g) = 0.766 mW/g; SAR(10 g) = 0.552 mW/g

Maximum value of SAR (measured) = 0.801 mW/g



Date/Time: 8/18/2008 4:33:13 PM

Test Laboratory: Sony Ericsson Mobile Communications International AB

Body-Flat15mm-Venus-850-PHF-Low**DUT: Venus; Type: DUT; Serial: #13061**

Communication System: GSM 850; Frequency: 824.2 MHz; Duty Cycle: 1:8.3

Medium parameters used: $f = 824.2$ MHz; $\sigma = 0.97$ mho/m; $\epsilon_r = 54.3$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1611; ConvF(6.49, 6.49, 6.49); Calibrated: 12/17/2007
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn449; Calibrated: 12/19/2007
- Phantom: SAM-3; Type: SAM; Serial: 1436
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

Body/Area Scan (41x81x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.419 mW/g

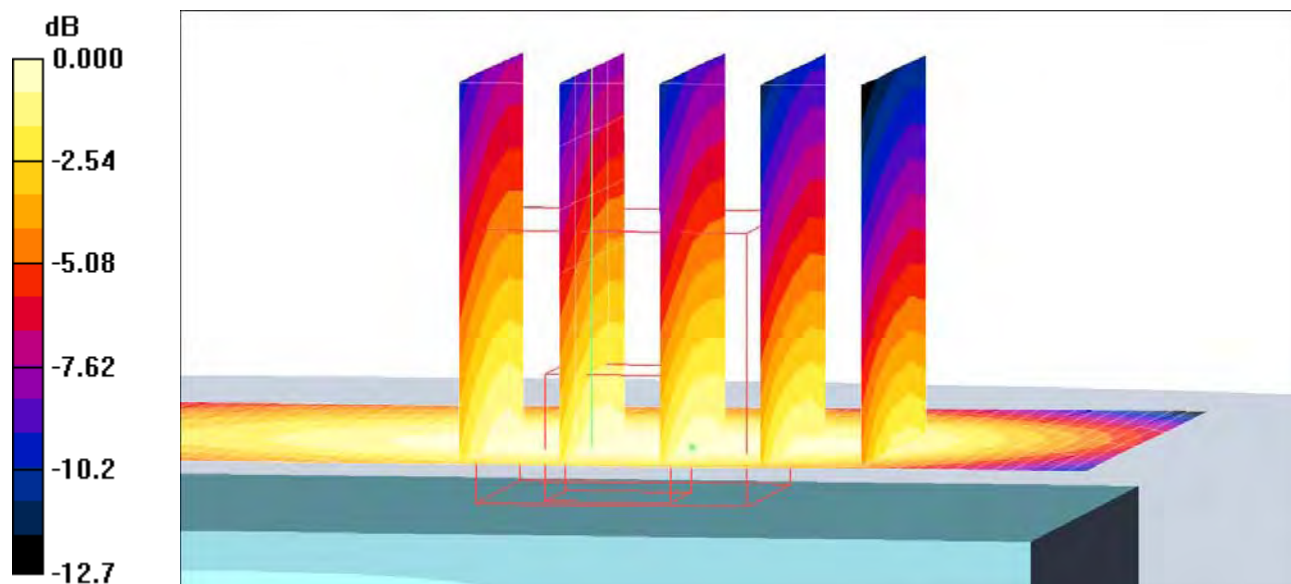
Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 19.4 V/m; Power Drift = -0.038 dB

Peak SAR (extrapolated) = 0.541 W/kg

SAR(1 g) = 0.401 mW/g; SAR(10 g) = 0.282 mW/g

Maximum value of SAR (measured) = 0.426 mW/g



0 dB = 0.426mW/g

Date/Time: 8/29/2008 11:30:37 AM

Test Laboratory: Sony Ericsson Mobile Communications International AB

Body-Flat15mm-Venus-Body-WLAN-Fcc-High**DUT: Venus; Type: DUT; Serial: #13062**

Communication System: WLAN; Frequency: 2462 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2462$ MHz; $\sigma = 2.01$ mho/m; $\epsilon_r = 50.9$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1610; ConvF(4.09, 4.09, 4.09); Calibrated: 11/14/2007
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn449; Calibrated: 12/19/2007
- Phantom: SAM-3; Type: SAM; Serial: 1436
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

Body 3/Area Scan (41x81x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.062 mW/g

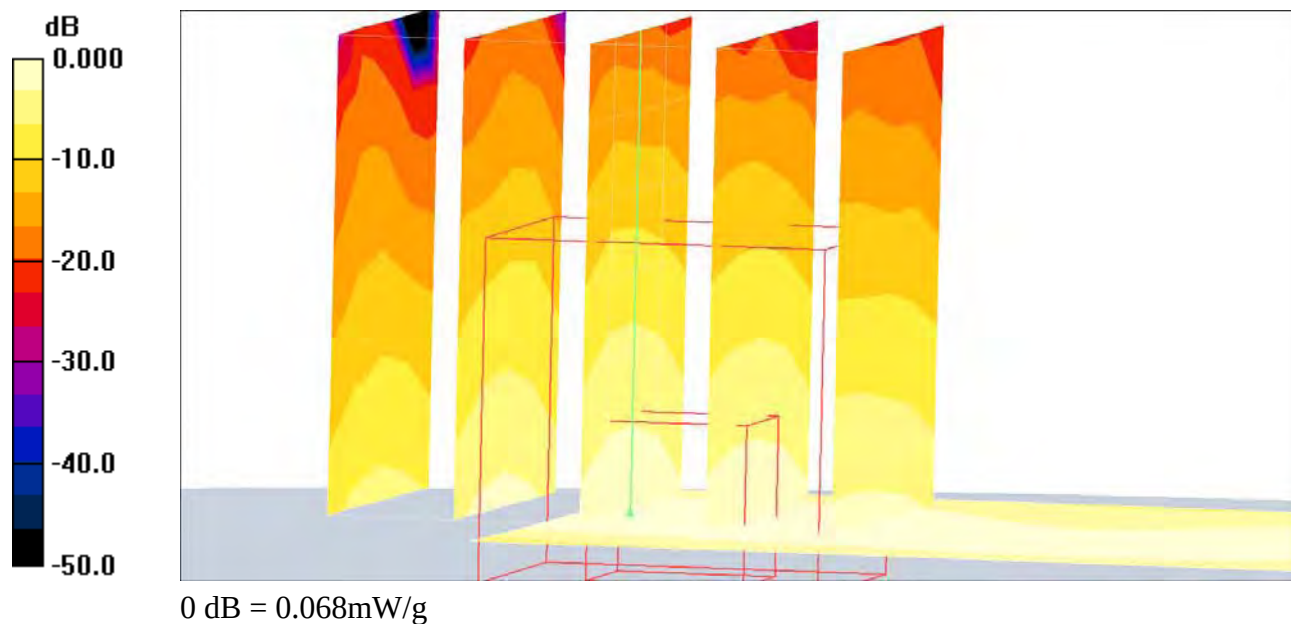
Body 3/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 3.73 V/m; Power Drift = -0.038 dB

Peak SAR (extrapolated) = 0.153 W/kg

SAR(1 g) = 0.066 mW/g; SAR(10 g) = 0.034 mW/g

Maximum value of SAR (measured) = 0.068 mW/g



Date/Time: 8/29/2008 11:03:05 AM

Test Laboratory: Sony Ericsson Mobile Communications International AB

Body-Flat15mm-Venus-Body-WLAN-Low**DUT: Venus; Type: DUT; Serial: #13062**

Communication System: WLAN; Frequency: 2412 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2412$ MHz; $\sigma = 2.01$ mho/m; $\epsilon_r = 50.9$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1610; ConvF(4.09, 4.09, 4.09); Calibrated: 11/14/2007
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn449; Calibrated: 12/19/2007
- Phantom: SAM-3; Type: SAM; Serial: 1436
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

Body/Area Scan (41x81x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.094 mW/g

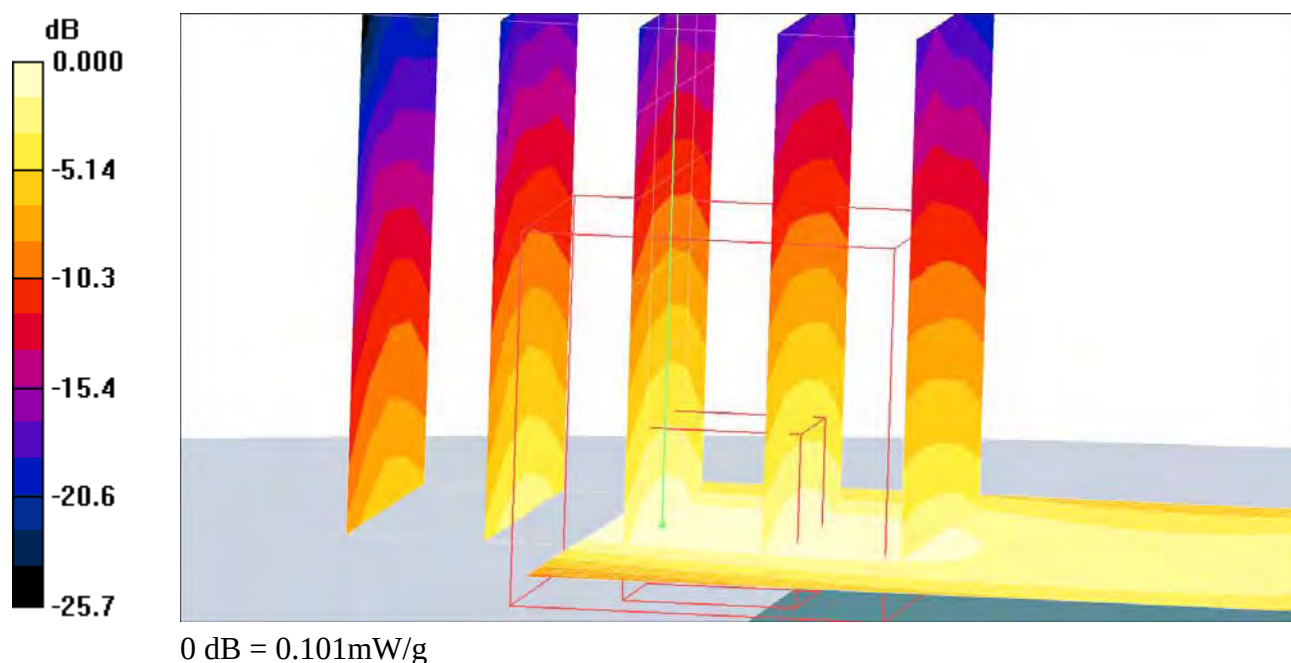
Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.55 V/m; Power Drift = -0.194 dB

Peak SAR (extrapolated) = 0.222 W/kg

SAR(1 g) = 0.098 mW/g; SAR(10 g) = 0.050 mW/g

Maximum value of SAR (measured) = 0.101 mW/g



Date/Time: 8/29/2008 11:17:52 AM

Test Laboratory: Sony Ericsson Mobile Communications International AB

Body-Flat15mm-Venus-Body-WLAN-Middle**DUT: Venus; Type: DUT; Serial: #13062**

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

Medium parameters used: $f = 2437$ MHz; $\sigma = 2.01$ mho/m; $\epsilon_r = 50.9$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1610; ConvF(4.09, 4.09, 4.09); Calibrated: 11/14/2007
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn449; Calibrated: 12/19/2007
- Phantom: SAM-3; Type: SAM; Serial: 1436
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

Body 2/Area Scan (41x81x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.065 mW/g

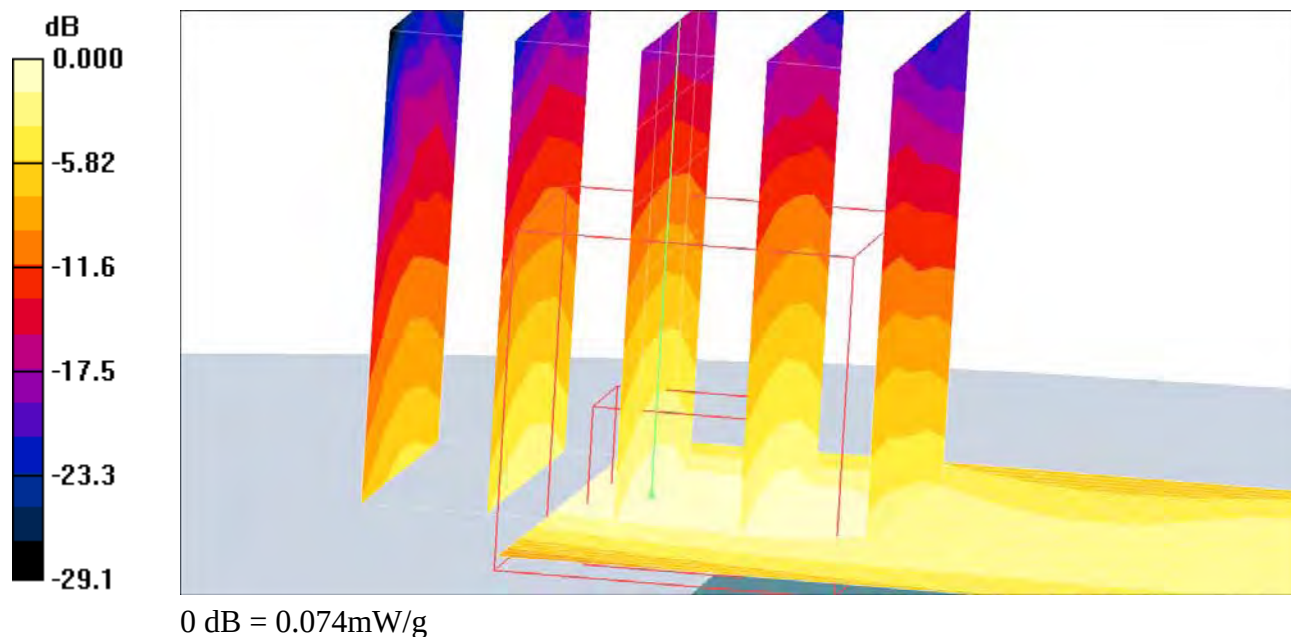
Body 2/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 3.86 V/m; Power Drift = -0.161 dB

Peak SAR (extrapolated) = 0.162 W/kg

SAR(1 g) = 0.069 mW/g; SAR(10 g) = 0.035 mW/g

Maximum value of SAR (measured) = 0.074 mW/g



Date/Time: 8/26/2008 1:07:06 PM

Test Laboratory: Sony Ericsson Mobile Communications International AB

Body-Flat15mm-Venus-UMTS2-Bluetooth-High**DUT: Venus; Type: DUT; Serial: #13061**

Communication System: WCDMA Band 2; Frequency: 1907.6 MHz; Duty Cycle: 1:1

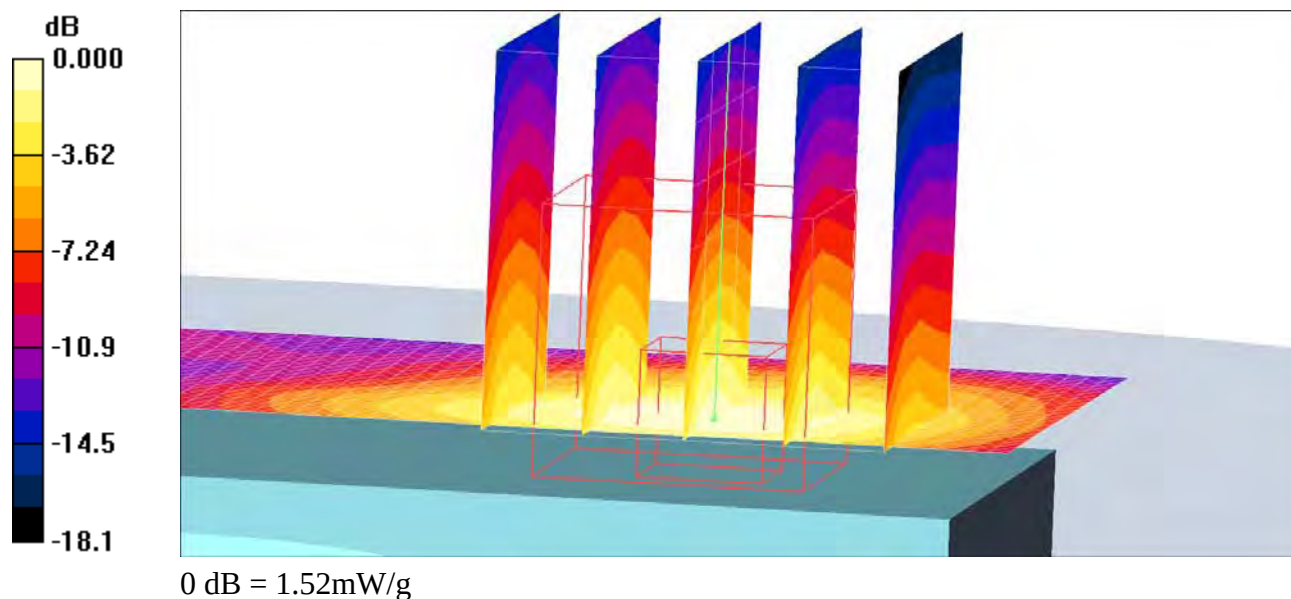
Medium parameters used: $f = 1907.6 \text{ MHz}$; $\sigma = 1.58 \text{ mho/m}$; $\epsilon_r = 50.7$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1611; ConvF(4.79, 4.79, 4.79); Calibrated: 12/17/2007
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn449; Calibrated: 12/19/2007
- Phantom: SAM-3; Type: SAM; Serial: 1436
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

Body 3/Area Scan (41x81x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$ Maximum value of SAR (interpolated) = 1.45 mW/g **Body 3/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 11.0 V/m ; Power Drift = -0.125 dB Peak SAR (extrapolated) = 2.41 W/kg **SAR(1 g) = 1.39 mW/g ; SAR(10 g) = 0.777 mW/g** Maximum value of SAR (measured) = 1.52 mW/g 

Date/Time: 8/26/2008 12:42:00 PM

Test Laboratory: Sony Ericsson Mobile Communications International AB

Body-Flat15mm-Venus-UMTS2-Bluetooth-Low**DUT: Venus; Type: DUT; Serial: #13061**

Communication System: WCDMA Band 2; Frequency: 1852.4 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1852.4 \text{ MHz}$; $\sigma = 1.52 \text{ mho/m}$; $\epsilon_r = 50.8$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1611; ConvF(4.79, 4.79, 4.79); Calibrated: 12/17/2007
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn449; Calibrated: 12/19/2007
- Phantom: SAM-3; Type: SAM; Serial: 1436
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

Body/Area Scan (41x81x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (interpolated) = 1.57 mW/g

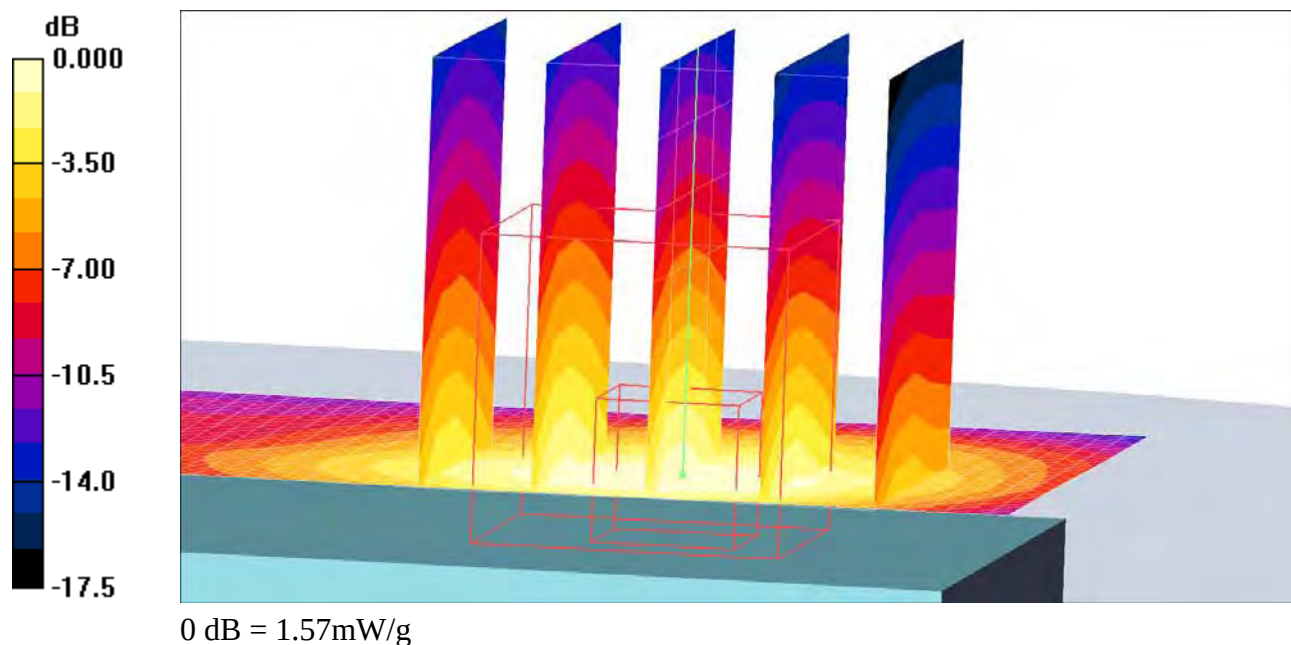
Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 12.7 V/m; Power Drift = -0.132 dB

Peak SAR (extrapolated) = 2.52 W/kg

SAR(1 g) = 1.47 mW/g; SAR(10 g) = 0.830 mW/g

Maximum value of SAR (measured) = 1.57 mW/g



Date/Time: 8/26/2008 12:54:12 PM

Test Laboratory: Sony Ericsson Mobile Communications International AB

Body-Flat15mm-Venus-UMTS2-Bluetooth-Middle**DUT: Venus; Type: DUT; Serial: #13061**

Communication System: WCDMA Band 2; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.55$ mho/m; $\epsilon_r = 50.8$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1611; ConvF(4.79, 4.79, 4.79); Calibrated: 12/17/2007
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn449; Calibrated: 12/19/2007
- Phantom: SAM-3; Type: SAM; Serial: 1436
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

Body 2/Area Scan (41x81x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.39 mW/g

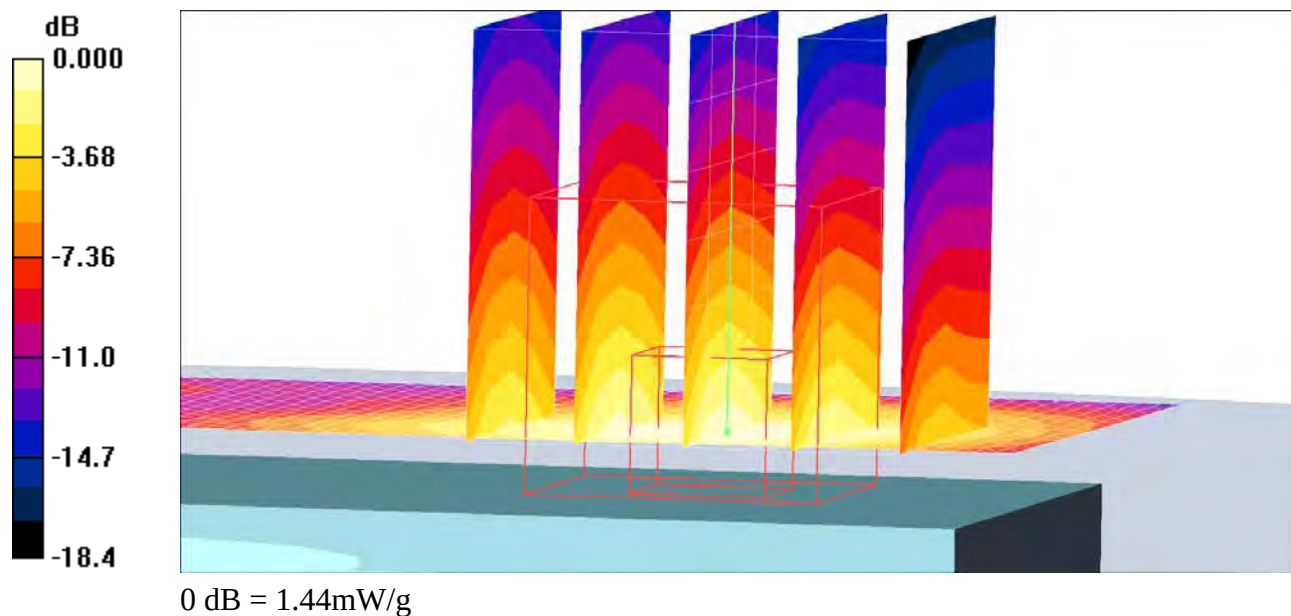
Body 2/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.5 V/m; Power Drift = -0.097 dB

Peak SAR (extrapolated) = 2.28 W/kg

SAR(1 g) = 1.32 mW/g; SAR(10 g) = 0.741 mW/g

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



Date/Time: 8/26/2008 2:41:27 PM

Test Laboratory: Sony Ericsson Mobile Communications International AB

Body-Flat15mm-Venus-UMTS2-Front-To-Phantom-Low**DUT: Venus; Type: DUT; Serial: #13061**

Communication System: WCDMA Band 2; Frequency: 1852.4 MHz; Duty Cycle: 1:1

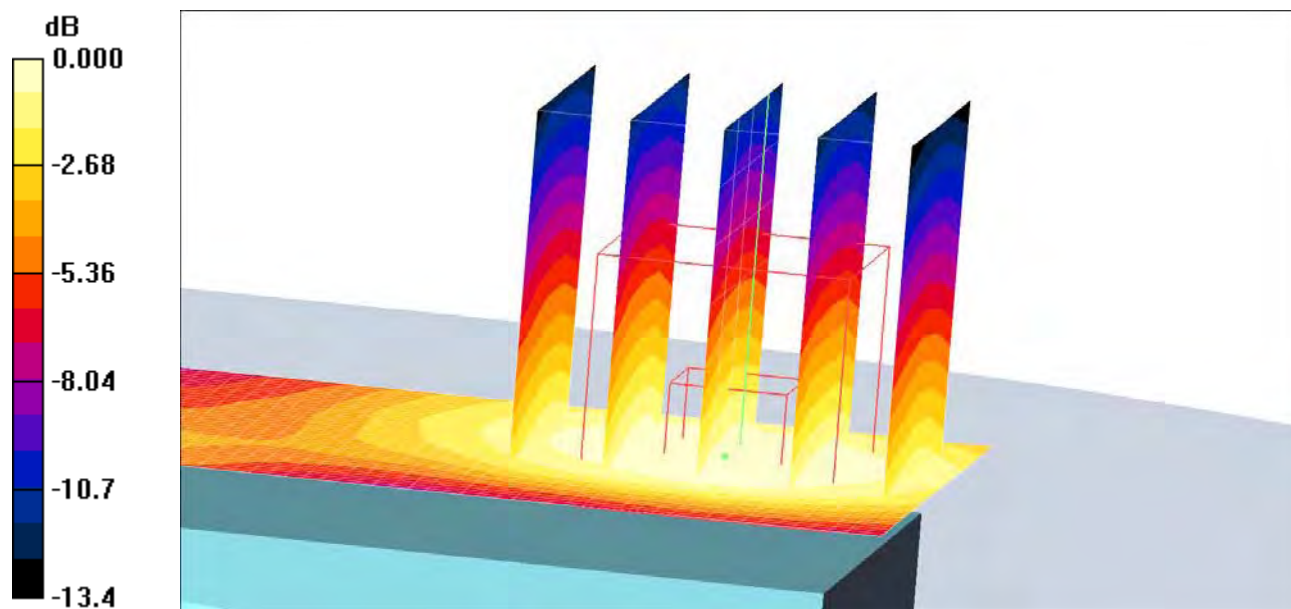
Medium parameters used: $f = 1852.4 \text{ MHz}$; $\sigma = 1.52 \text{ mho/m}$; $\epsilon_r = 50.8$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1611; ConvF(4.79, 4.79, 4.79); Calibrated: 12/17/2007
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn449; Calibrated: 12/19/2007
- Phantom: SAM-3; Type: SAM; Serial: 1436
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

Body/Area Scan (41x81x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$ Maximum value of SAR (interpolated) = 0.404 mW/g **Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 9.55 V/m ; Power Drift = -0.045 dB Peak SAR (extrapolated) = 0.548 W/kg **SAR(1 g) = 0.362 mW/g ; SAR(10 g) = 0.237 mW/g** Maximum value of SAR (measured) = 0.386 mW/g 0 dB = 0.386 mW/g

Date/Time: 8/26/2008 2:25:34 PM

Test Laboratory: Sony Ericsson Mobile Communications International AB

Body-Flat15mm-Venus-UMTS2-HSDPA-High**DUT: Venus; Type: DUT; Serial: #13061**

Communication System: WCDMA Band 2; Frequency: 1907.6 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1907.6$ MHz; $\sigma = 1.58$ mho/m; $\epsilon_r = 50.7$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1611; ConvF(4.79, 4.79, 4.79); Calibrated: 12/17/2007
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn449; Calibrated: 12/19/2007
- Phantom: SAM-3; Type: SAM; Serial: 1436
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

Body 3/Area Scan (41x81x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.38 mW/g

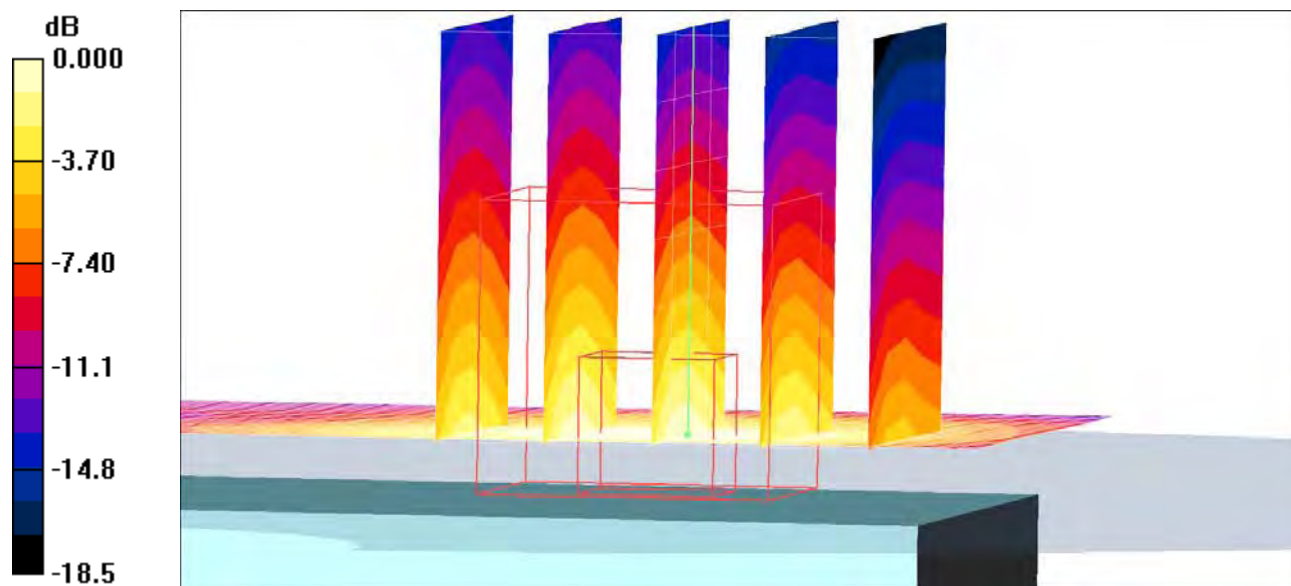
Body 3/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.7 V/m; Power Drift = 0.060 dB

Peak SAR (extrapolated) = 2.29 W/kg

SAR(1 g) = 1.3 mW/g; SAR(10 g) = 0.728 mW/g

Maximum value of SAR (measured) = 1.40 mW/g



0 dB = 1.40mW/g

Date/Time: 8/26/2008 1:58:31 PM

Test Laboratory: Sony Ericsson Mobile Communications International AB

Body-Flat15mm-Venus-UMTS2-HSDPA-Low**DUT: Venus; Type: DUT; Serial: #13061**

Communication System: WCDMA Band 2; Frequency: 1852.4 MHz; Duty Cycle: 1:1

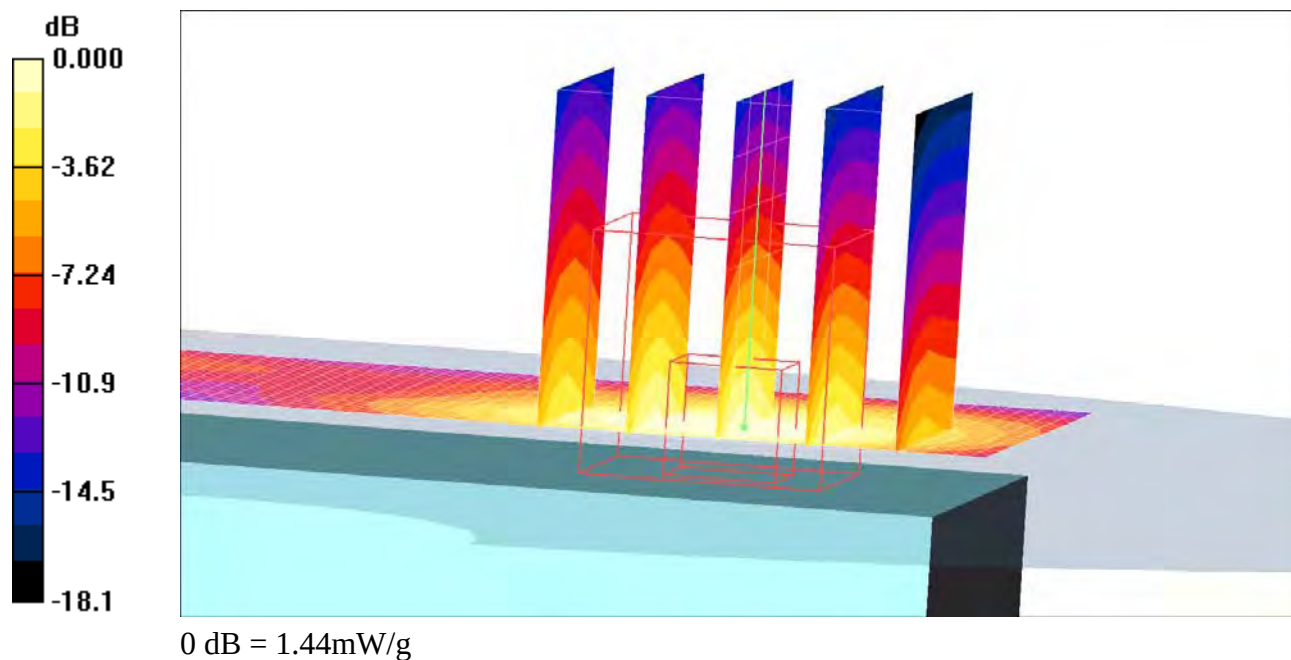
Medium parameters used: $f = 1852.4 \text{ MHz}$; $\sigma = 1.52 \text{ mho/m}$; $\epsilon_r = 50.8$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1611; ConvF(4.79, 4.79, 4.79); Calibrated: 12/17/2007
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn449; Calibrated: 12/19/2007
- Phantom: SAM-3; Type: SAM; Serial: 1436
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

Body/Area Scan (41x81x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$ Maximum value of SAR (interpolated) = 1.49 mW/g **Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 11.8 V/m ; Power Drift = -0.167 dB Peak SAR (extrapolated) = 2.25 W/kg **SAR(1 g) = 1.32 mW/g ; SAR(10 g) = 0.740 mW/g** Maximum value of SAR (measured) = 1.44 mW/g 

Date/Time: 8/26/2008 2:13:34 PM

Test Laboratory: Sony Ericsson Mobile Communications International AB

Body-Flat15mm-Venus-UMTS2-HSDPA-Middle**DUT: Venus; Type: DUT; Serial: #13061**

Communication System: WCDMA Band 2; Frequency: 1880 MHz; Duty Cycle: 1:1

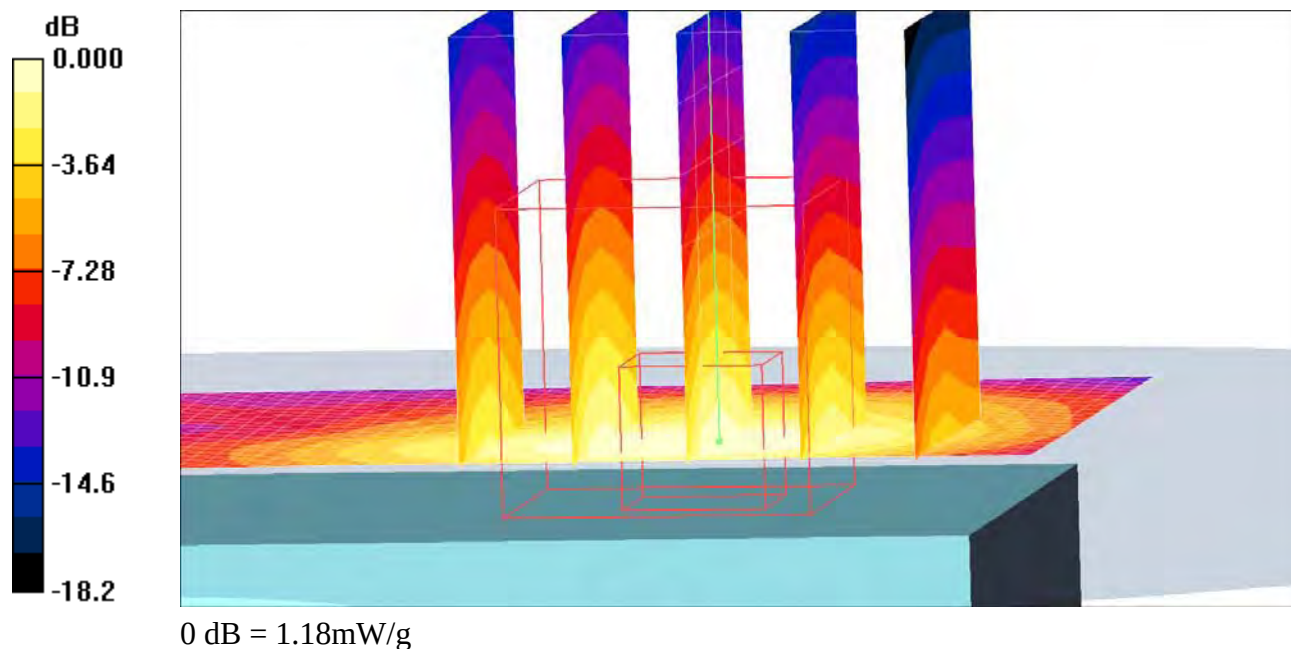
Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.55 \text{ mho/m}$; $\epsilon_r = 50.8$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1611; ConvF(4.79, 4.79, 4.79); Calibrated: 12/17/2007
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn449; Calibrated: 12/19/2007
- Phantom: SAM-3; Type: SAM; Serial: 1436
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

Body 2/Area Scan (41x81x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$ Maximum value of SAR (interpolated) = 1.19 mW/g **Body 2/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 9.91 V/m ; Power Drift = 0.054 dB Peak SAR (extrapolated) = 1.90 W/kg **SAR(1 g) = 1.09 mW/g ; SAR(10 g) = 0.614 mW/g** Maximum value of SAR (measured) = 1.18 mW/g 

Date/Time: 9/4/2008 3:40:15 PM

Test Laboratory: Sony Ericsson Mobile Communications International AB

Body-Flat15mm-Venus-UMTS2-HSUPA-High**DUT: Venus; Type: DUT; Serial: #13061**

Communication System: WCDMA Band 2; Frequency: 1907.6 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1907.6$ MHz; $\sigma = 1.61$ mho/m; $\epsilon_r = 50.7$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1611; ConvF(4.79, 4.79, 4.79); Calibrated: 12/17/2007
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn449; Calibrated: 12/19/2007
- Phantom: SAM-3; Type: SAM; Serial: 1436
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

Body 3/Area Scan (41x81x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.850 mW/g

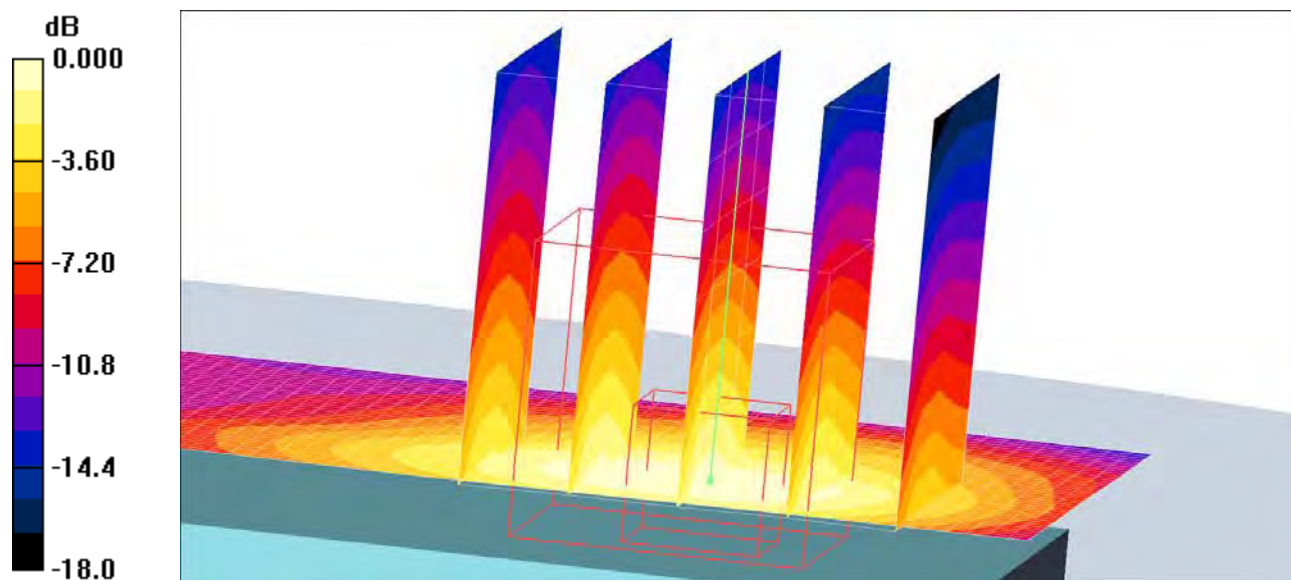
Body 3/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.75 V/m; Power Drift = -0.055 dB

Peak SAR (extrapolated) = 1.40 W/kg

SAR(1 g) = 0.804 mW/g; SAR(10 g) = 0.452 mW/g

Maximum value of SAR (measured) = 0.867 mW/g



0 dB = 0.867mW/g

Date/Time: 9/4/2008 2:33:53 PM

Test Laboratory: Sony Ericsson Mobile Communications International AB

Body-Flat15mm-Venus-UMTS2-HSUPA-Low**DUT: Venus; Type: DUT; Serial: #13061**

Communication System: WCDMA Band 2; Frequency: 1852.4 MHz; Duty Cycle: 1:1

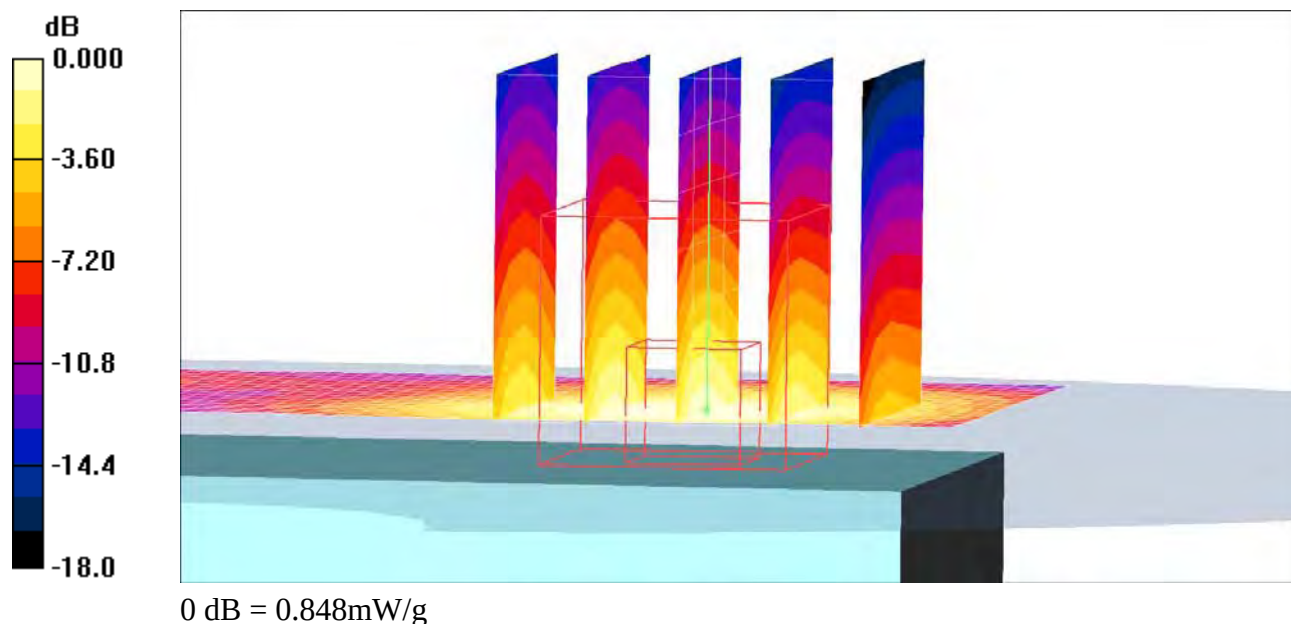
Medium parameters used: $f = 1852.4 \text{ MHz}$; $\sigma = 1.54 \text{ mho/m}$; $\epsilon_r = 50.8$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1611; ConvF(4.79, 4.79, 4.79); Calibrated: 12/17/2007
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn449; Calibrated: 12/19/2007
- Phantom: SAM-3; Type: SAM; Serial: 1436
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

Body/Area Scan (41x81x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$ Maximum value of SAR (interpolated) = 0.873 mW/g **Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 8.83 V/m ; Power Drift = -0.166 dB Peak SAR (extrapolated) = 1.33 W/kg **SAR(1 g) = 0.785 mW/g ; SAR(10 g) = 0.445 mW/g** Maximum value of SAR (measured) = 0.848 mW/g 

Date/Time: 9/4/2008 2:50:05 PM

Test Laboratory: Sony Ericsson Mobile Communications International AB

Body-Flat15mm-Venus-UMTS2-HSUPA-Middle**DUT: Venus; Type: DUT; Serial: #13061**

Communication System: WCDMA Band 2; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.57$ mho/m; $\epsilon_r = 50.7$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1611; ConvF(4.79, 4.79, 4.79); Calibrated: 12/17/2007
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn449; Calibrated: 12/19/2007
- Phantom: SAM-3; Type: SAM; Serial: 1436
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

Body 2/Area Scan (41x81x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.650 mW/g

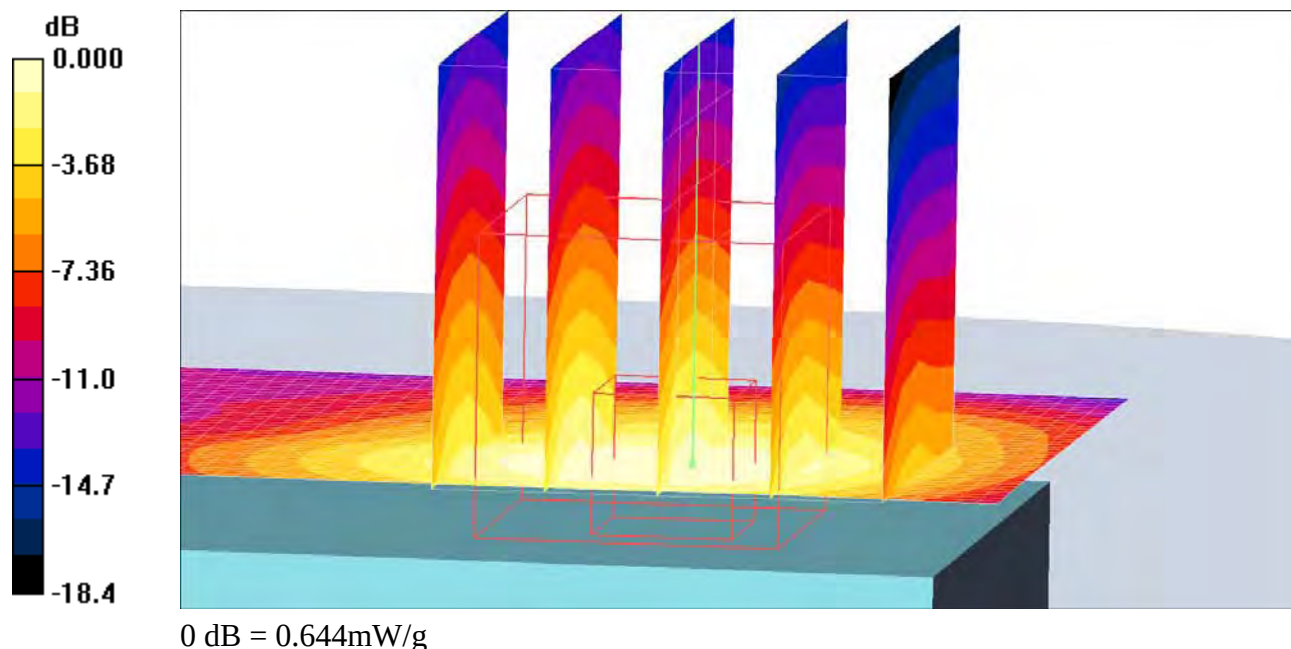
Body 2/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.20 V/m; Power Drift = -0.040 dB

Peak SAR (extrapolated) = 1.03 W/kg

SAR(1 g) = 0.597 mW/g; SAR(10 g) = 0.336 mW/g

Maximum value of SAR (measured) = 0.644 mW/g



Date/Time: 8/26/2008 1:33:58 PM

Test Laboratory: Sony Ericsson Mobile Communications International AB

Body-Flat15mm-Venus-UMTS2-PHF-Low**DUT: Venus; Type: DUT; Serial: #13061**

Communication System: WCDMA Band 2; Frequency: 1852.4 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1852.4 \text{ MHz}$; $\sigma = 1.52 \text{ mho/m}$; $\epsilon_r = 50.8$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1611; ConvF(4.79, 4.79, 4.79); Calibrated: 12/17/2007
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn449; Calibrated: 12/19/2007
- Phantom: SAM-3; Type: SAM; Serial: 1436
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

Body 4 PHF/Area Scan (41x81x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (interpolated) = 1.55 mW/g

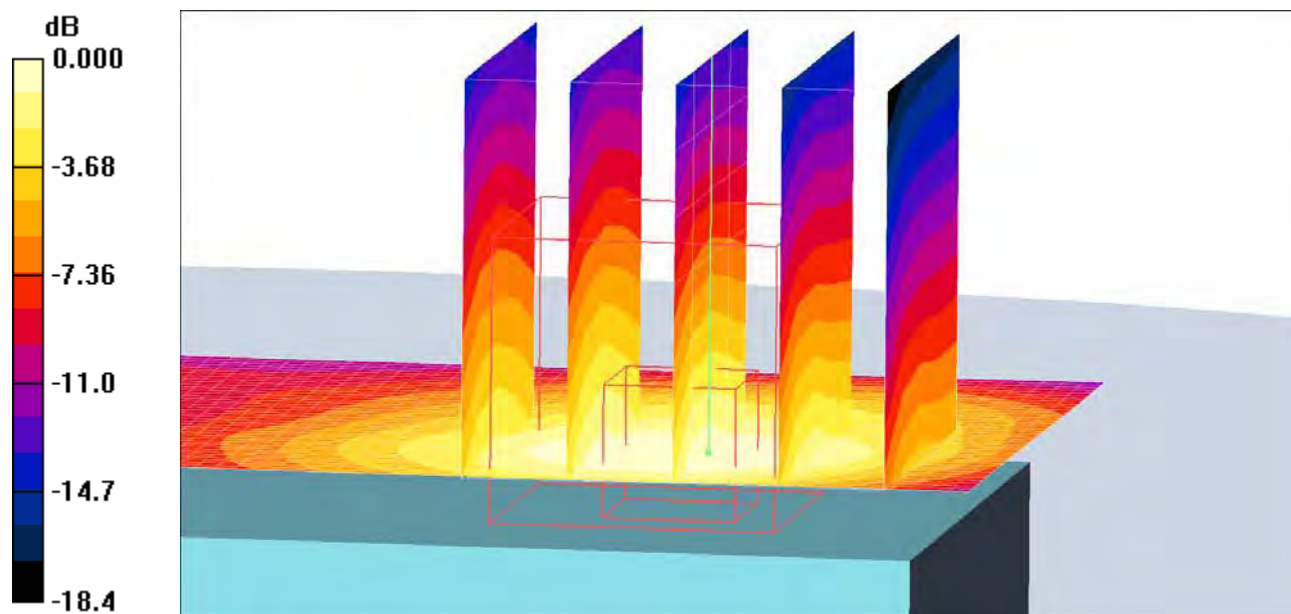
Body 4 PHF/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 12.9 V/m; Power Drift = -0.108 dB

Peak SAR (extrapolated) = 2.42 W/kg

SAR(1 g) = 1.37 mW/g; SAR(10 g) = 0.772 mW/g

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



0 dB = 1.50mW/g

Date/Time: 8/16/2008 7:55:54 AM

Test Laboratory: Sony Ericsson Mobile Communications International AB

Validation-D1900-16-08-08**DUT: Dipole 1900 MHz; Type: D1900V2; Serial: D1900V2 - SN:539**

Communication System: CW; Frequency: 1900 MHz; Duty Cycle: 1:1

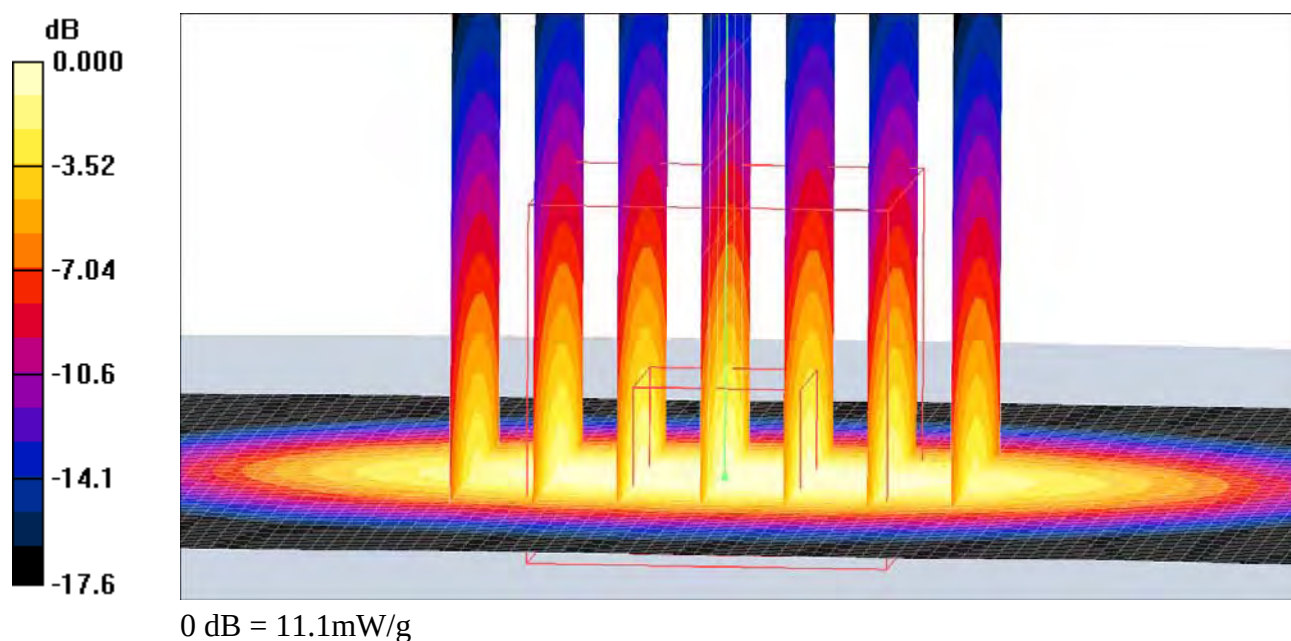
Medium parameters used: $f = 1900$ MHz; $\sigma = 1.47$ mho/m; $\epsilon_r = 38.2$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1611; ConvF(5.17, 5.17, 5.17); Calibrated: 12/17/2007
 - Sensor-Surface: 4mm (Mechanical Surface Detection)
 - Electronics: DAE3 Sn449; Calibrated: 12/19/2007
 - Phantom: SAM-1; Type: SAM; Serial: 1437
 - Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172
- d=10mm, Pin=250mW/Area Scan (81x91x1):** Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 11.0 mW/g
- d=10mm, Pin=250mW/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid:
dx=5mm, dy=5mm, dz=5mm
Reference Value = 91.6 V/m; Power Drift = -0.017 dB
Peak SAR (extrapolated) = 17.0 W/kg
SAR(1 g) = 9.74 mW/g; SAR(10 g) = 5.11 mW/g
Maximum value of SAR (measured) = 11.1 mW/g



Date/Time: 8/22/2008 10:00:26 AM

Test Laboratory: Sony Ericsson Mobile Communications International AB

Validation-D1900-22-08-08**DUT: Dipole 1900 MHz; Type: D1900V2; Serial: D1900V2 - SN:539**

Communication System: CW; Frequency: 1900 MHz; Duty Cycle: 1:1

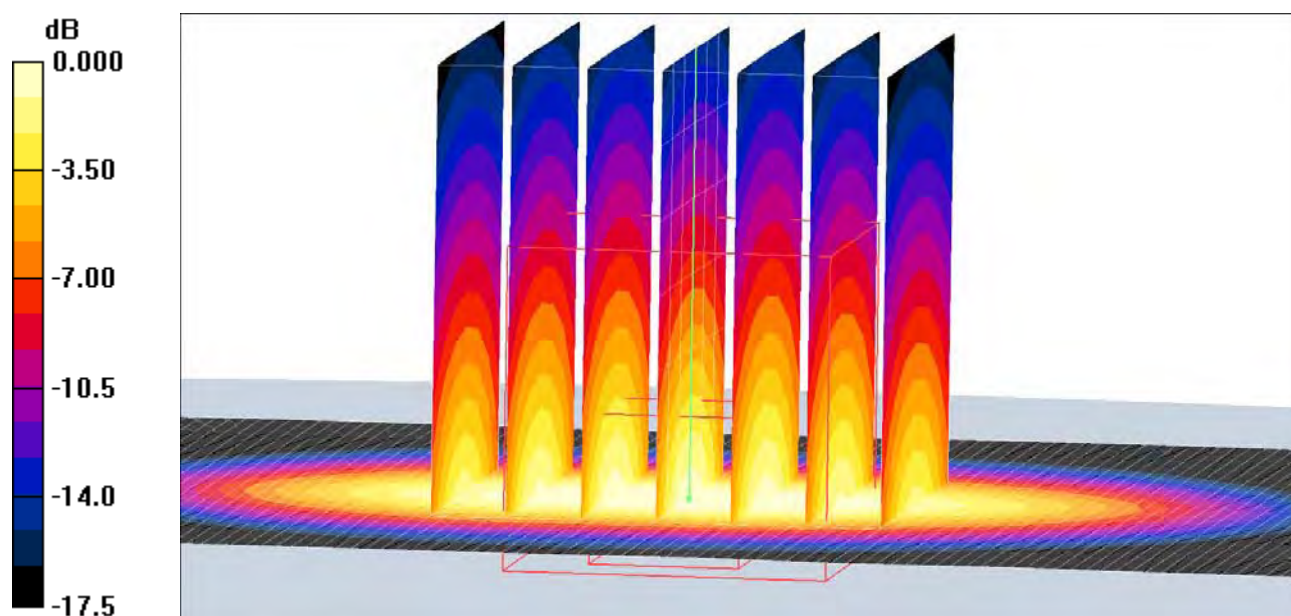
Medium parameters used: $f = 1900$ MHz; $\sigma = 1.46$ mho/m; $\epsilon_r = 38.2$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1611; ConvF(5.17, 5.17, 5.17); Calibrated: 12/17/2007
 - Sensor-Surface: 4mm (Mechanical Surface Detection)
 - Electronics: DAE3 Sn449; Calibrated: 12/19/2007
 - Phantom: SAM-1; Type: SAM; Serial: 1437
 - Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172
- d=10mm, Pin=250mW/Area Scan (81x91x1):** Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 11.0 mW/g
- d=10mm, Pin=250mW/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid:
dx=5mm, dy=5mm, dz=5mm
Reference Value = 89.8 V/m; Power Drift = -0.086 dB
Peak SAR (extrapolated) = 16.6 W/kg
SAR(1 g) = 9.6 mW/g; SAR(10 g) = 5.04 mW/g
Maximum value of SAR (measured) = 10.9 mW/g



Date/Time: 9/4/2008 1:54:39 PM

Test Laboratory: Sony Ericsson Mobile Communications International AB

Validation-D1900-Body-04-09-08**DUT: Dipole 1900 MHz; Type: D1900V2; Serial: D1900V2 - SN:539**

Communication System: CW; Frequency: 1900 MHz; Duty Cycle: 1:1

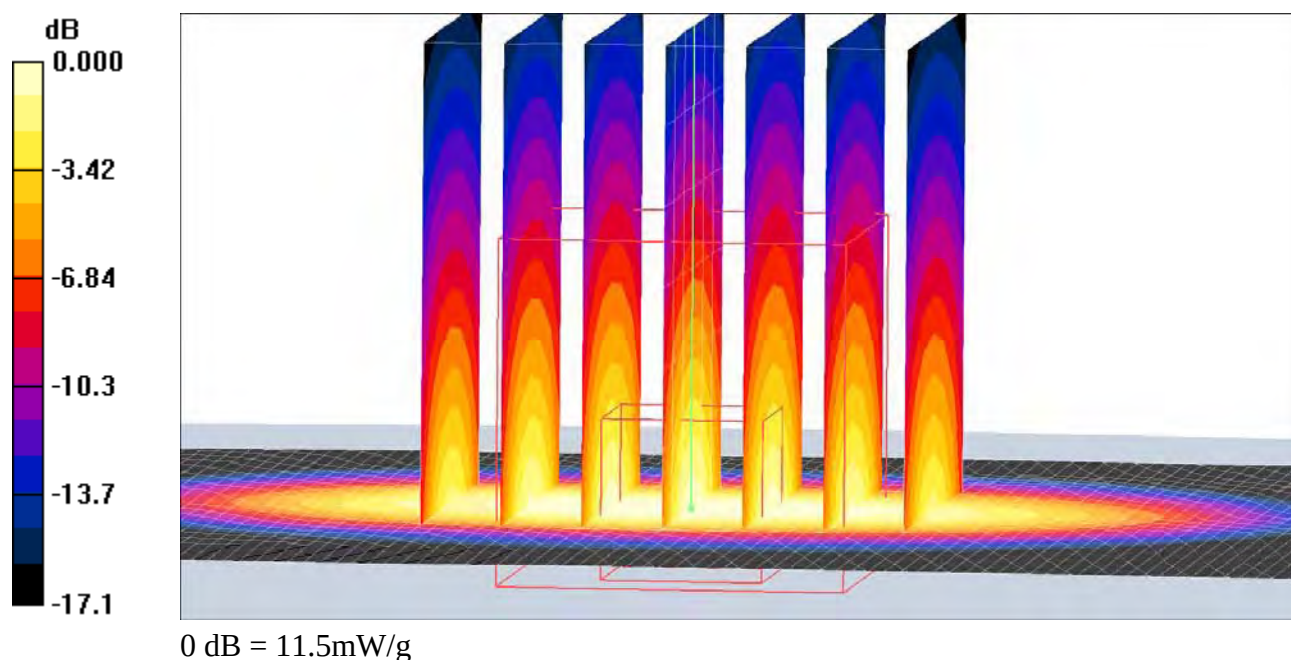
Medium parameters used: $f = 1900$ MHz; $\sigma = 1.59$ mho/m; $\epsilon_r = 50.7$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DAS4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1611; ConvF(4.79, 4.79, 4.79); Calibrated: 12/17/2007
 - Sensor-Surface: 4mm (Mechanical Surface Detection)
 - Electronics: DAE3 Sn449; Calibrated: 12/19/2007
 - Phantom: SAM-3; Type: SAM; Serial: 1436
 - Measurement SW: DAS4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172
- d=10mm, Pin=250mW/Area Scan (81x91x1):** Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 11.5 mW/g
- d=10mm, Pin=250mW/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid:
dx=5mm, dy=5mm, dz=5mm
Reference Value = 89.2 V/m; Power Drift = -0.005 dB
Peak SAR (extrapolated) = 17.8 W/kg
SAR(1 g) = 10.1 mW/g; SAR(10 g) = 5.28 mW/g
Maximum value of SAR (measured) = 11.5 mW/g



Date/Time: 8/16/2008 11:15:43 AM

Test Laboratory: Sony Ericsson Mobile Communications International AB

Validation-D1900-Body-16-08-08**DUT: Dipole 1900 MHz; Type: D1900V2; Serial: D1900V2 - SN:539**

Communication System: CW; Frequency: 1900 MHz; Duty Cycle: 1:1

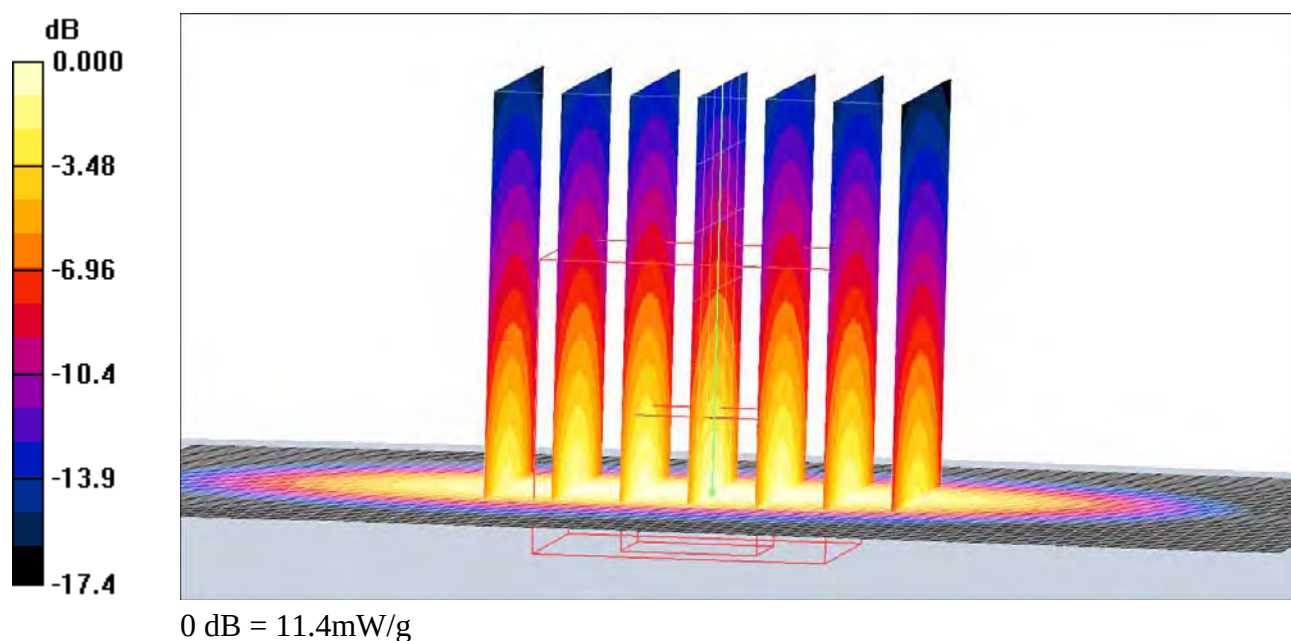
Medium parameters used: $f = 1900 \text{ MHz}$; $\sigma = 1.59 \text{ mho/m}$; $\epsilon_r = 50.9$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1611; ConvF(4.79, 4.79, 4.79); Calibrated: 12/17/2007
 - Sensor-Surface: 4mm (Mechanical Surface Detection)
 - Electronics: DAE3 Sn449; Calibrated: 12/19/2007
 - Phantom: SAM-3; Type: SAM; Serial: 1436
 - Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172
- d=10mm, Pin=250mW/Area Scan (81x91x1):** Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$
Maximum value of SAR (interpolated) = 11.4 mW/g
- d=10mm, Pin=250mW/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid:
 $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$
Reference Value = 88.8 V/m; Power Drift = 0.028 dB
Peak SAR (extrapolated) = 17.7 W/kg
SAR(1 g) = 10.1 mW/g; SAR(10 g) = 5.3 mW/g
Maximum value of SAR (measured) = 11.4 mW/g



Date/Time: 8/26/2008 11:29:12 AM

Test Laboratory: Sony Ericsson Mobile Communications International AB

Validation-D1900-Body-26-08-08**DUT: Dipole 1900 MHz; Type: D1900V2; Serial: D1900V2 - SN:539**

Communication System: CW; Frequency: 1900 MHz; Duty Cycle: 1:1

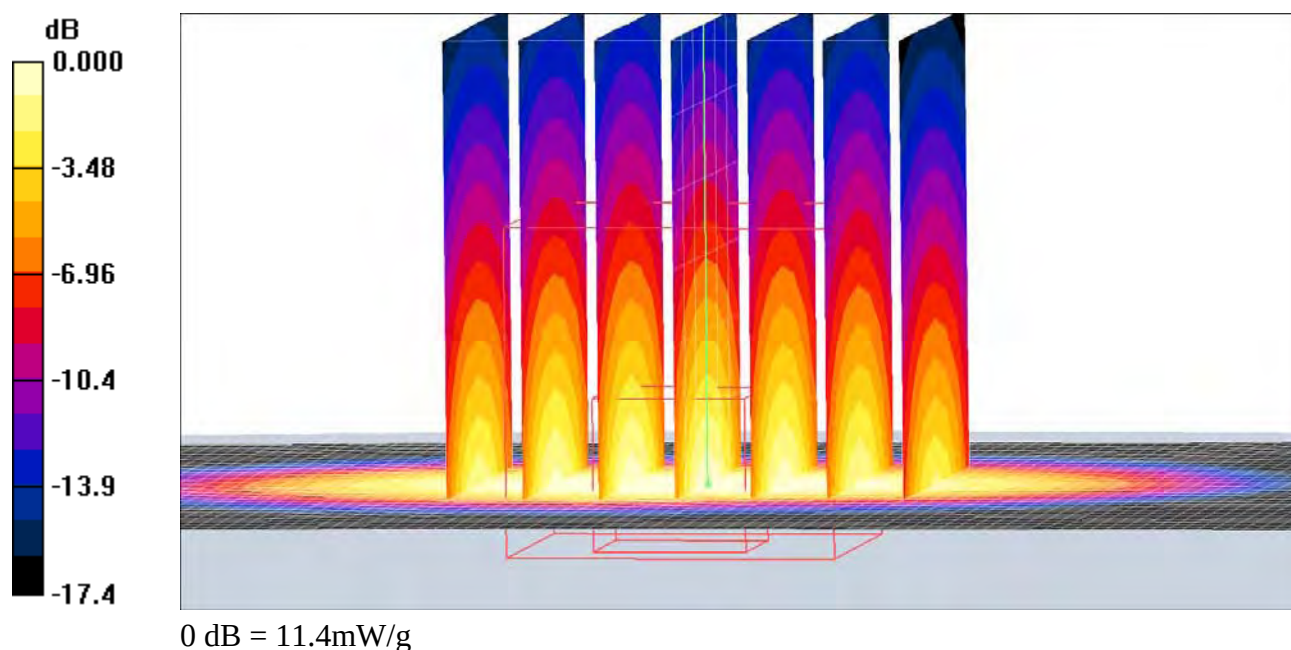
Medium parameters used: $f = 1900$ MHz; $\sigma = 1.57$ mho/m; $\epsilon_r = 50.7$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1611; ConvF(4.79, 4.79, 4.79); Calibrated: 12/17/2007
 - Sensor-Surface: 4mm (Mechanical Surface Detection)
 - Electronics: DAE3 Sn449; Calibrated: 12/19/2007
 - Phantom: SAM-3; Type: SAM; Serial: 1436
 - Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172
- d=10mm, Pin=250mW/Area Scan (81x91x1):** Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 11.5 mW/g
- d=10mm, Pin=250mW/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid:
dx=5mm, dy=5mm, dz=5mm
Reference Value = 89.6 V/m; Power Drift = 0.017 dB
Peak SAR (extrapolated) = 17.8 W/kg
SAR(1 g) = 10 mW/g; SAR(10 g) = 5.28 mW/g
Maximum value of SAR (measured) = 11.4 mW/g



Date/Time: 8/28/2008 9:31:38 AM

Test Laboratory: Sony Ericsson Mobile Communications International AB

Validation-D2450-28-08-08**DUT: Dipole 2450 MHz; Type: D2450V2; Serial: D2450V2 - SN:721**

Communication System: CW; Frequency: 2450 MHz; Duty Cycle: 1:1

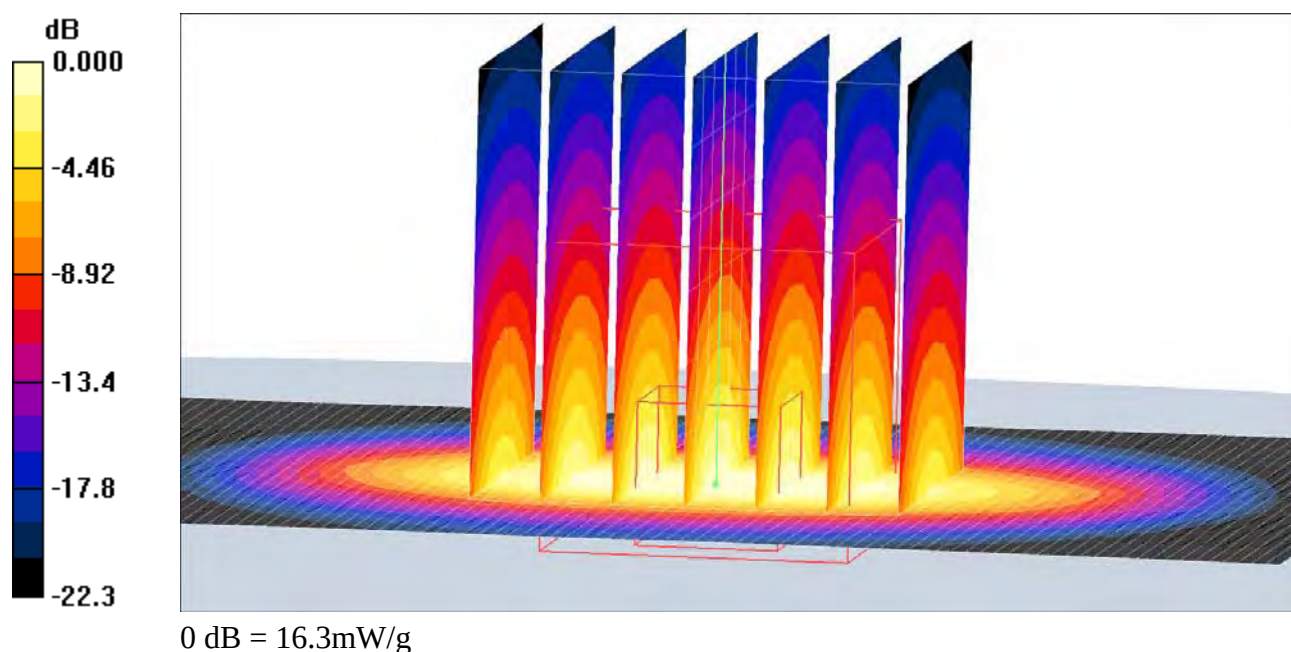
Medium parameters used: $f = 2450$ MHz; $\sigma = 1.88$ mho/m; $\epsilon_r = 37.5$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1611; ConvF(4.55, 4.55, 4.55); Calibrated: 12/17/2007
 - Sensor-Surface: 4mm (Mechanical Surface Detection)
 - Electronics: DAE3 Sn449; Calibrated: 12/19/2007
 - Phantom: SAM-1; Type: SAM; Serial: 1437
 - Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172
- d=10mm, Pin=250mW/Area Scan (81x91x1):** Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 16.5 mW/g
- d=10mm, Pin=250mW/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid:
dx=5mm, dy=5mm, dz=5mm
Reference Value = 95.4 V/m; Power Drift = -0.075 dB
Peak SAR (extrapolated) = 32.4 W/kg
SAR(1 g) = 14.5 mW/g; SAR(10 g) = 6.68 mW/g
Maximum value of SAR (measured) = 16.3 mW/g



Date/Time: 8/29/2008 10:18:12 AM

Test Laboratory: Sony Ericsson Mobile Communications International AB

Validation-D2450-Body-29-08-08**DUT: Dipole 2450 MHz; Type: D2450V2; Serial: D2450V2 - SN:721**

Communication System: CW; Frequency: 2450 MHz; Duty Cycle: 1:1

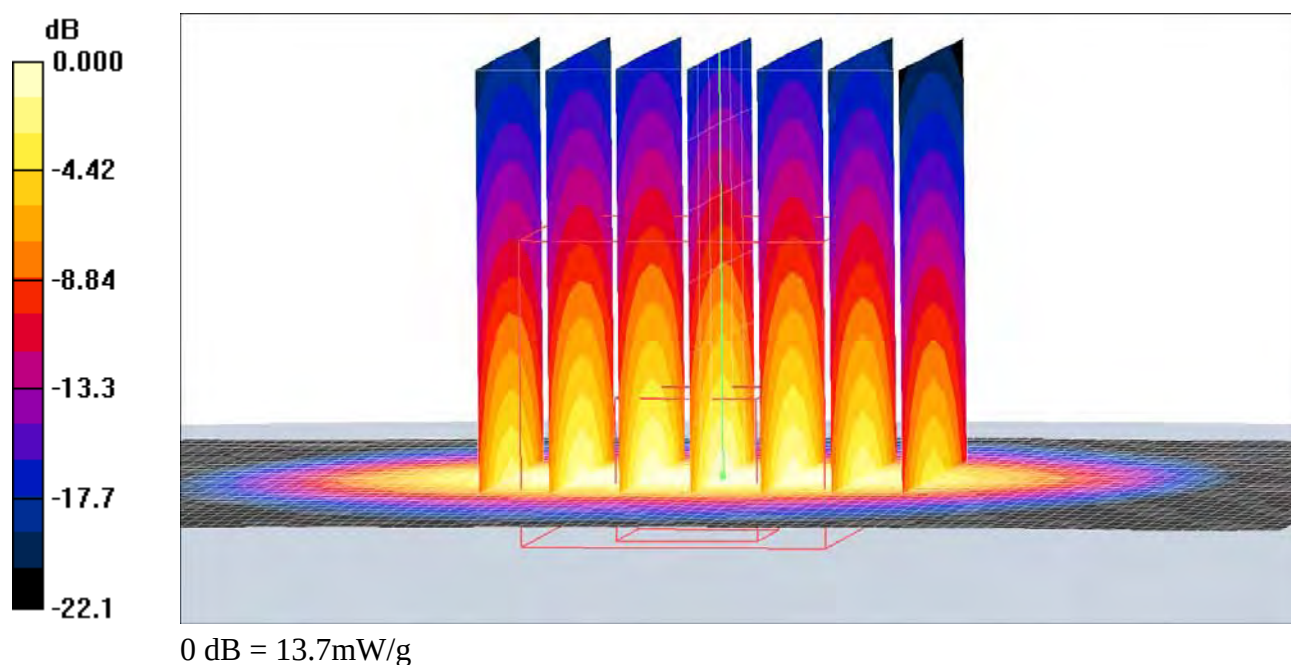
Medium parameters used: $f = 2450$ MHz; $\sigma = 2.01$ mho/m; $\epsilon_r = 50.9$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1610; ConvF(4.09, 4.09, 4.09); Calibrated: 11/14/2007
 - Sensor-Surface: 4mm (Mechanical Surface Detection)
 - Electronics: DAE3 Sn449; Calibrated: 12/19/2007
 - Phantom: SAM-3; Type: SAM; Serial: 1436
 - Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172
- d=10mm, Pin=250mW/Area Scan (81x91x1):** Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 13.9 mW/g
- d=10mm, Pin=250mW/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid:
dx=5mm, dy=5mm, dz=5mm
Reference Value = 85.9 V/m; Power Drift = -0.033 dB
Peak SAR (extrapolated) = 27.9 W/kg
SAR(1 g) = 12.3 mW/g; SAR(10 g) = 5.68 mW/g
Maximum value of SAR (measured) = 13.7 mW/g



Date/Time: 8/18/2008 9:38:52 AM

Test Laboratory: Sony Ericsson Mobile Communications International AB

Validation-D850-18-08-08**DUT: Dipole 835 MHz; Type: D835V2; Serial: D835V2 - SN:442**

Communication System: CW; Frequency: 835 MHz; Duty Cycle: 1:1

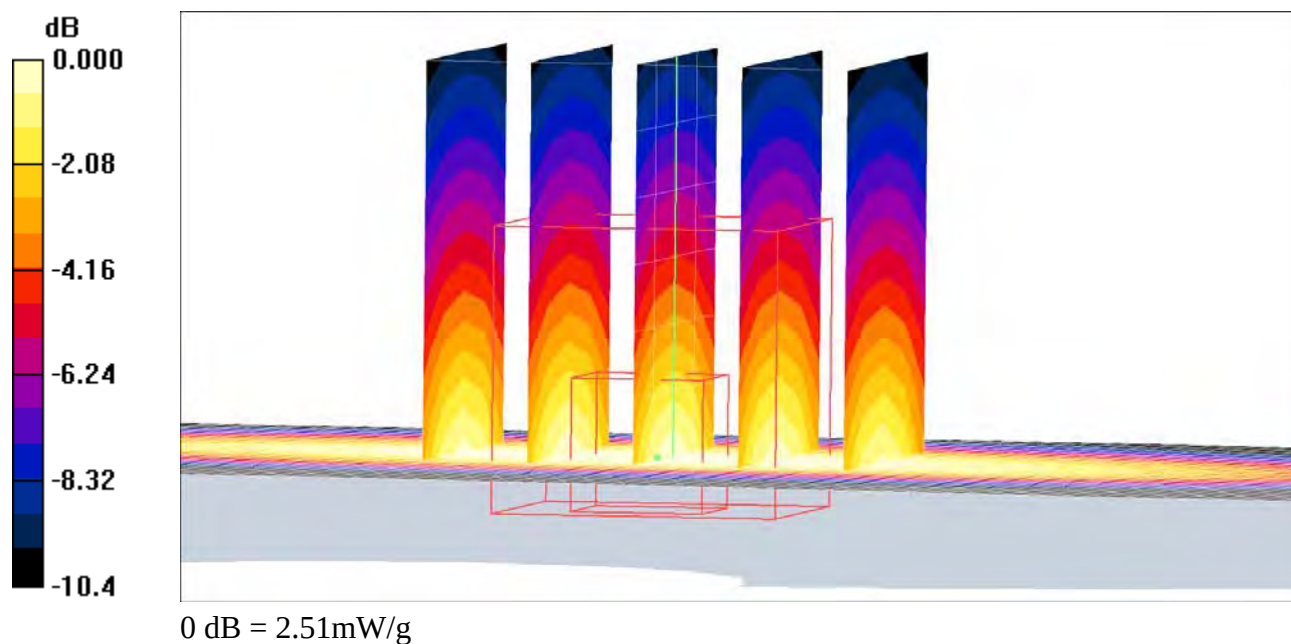
Medium parameters used: $f = 835 \text{ MHz}$; $\sigma = 0.86 \text{ mho/m}$; $\epsilon_r = 40.2$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1611; ConvF(6.63, 6.63, 6.63); Calibrated: 12/17/2007
 - Sensor-Surface: 4mm (Mechanical Surface Detection)
 - Electronics: DAE3 Sn449; Calibrated: 12/19/2007
 - Phantom: SAM-2; Type: SAM; Serial: 1025
 - Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172
- d=15mm, Pin=250mW/Area Scan (61x81x1):** Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 2.51 mW/g
- d=15mm, Pin=250mW/Zoom Scan (7x7x7) (5x5x7)/Cube 0:** Measurement grid:
dx=8mm, dy=8mm, dz=5mm
Reference Value = 56.9 V/m; Power Drift = -0.050 dB
Peak SAR (extrapolated) = 3.21 W/kg
SAR(1 g) = 2.32 mW/g; SAR(10 g) = 1.54 mW/g
Maximum value of SAR (measured) = 2.51 mW/g



Date/Time: 8/18/2008 2:04:06 PM

Test Laboratory: Sony Ericsson Mobile Communications International AB

Validation-D850-Body-18-08-08**DUT: Dipole 835 MHz; Type: D835V2; Serial: D835V2 - SN:442**

Communication System: CW; Frequency: 835 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 835 \text{ MHz}$; $\sigma = 0.98 \text{ mho/m}$; $\epsilon_r = 54.2$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1611; ConvF(6.49, 6.49, 6.49); Calibrated: 12/17/2007
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn449; Calibrated: 12/19/2007
- Phantom: SAM-3; Type: SAM; Serial: 1436
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

d=15mm, Pin=250mW/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 2.66 mW/g

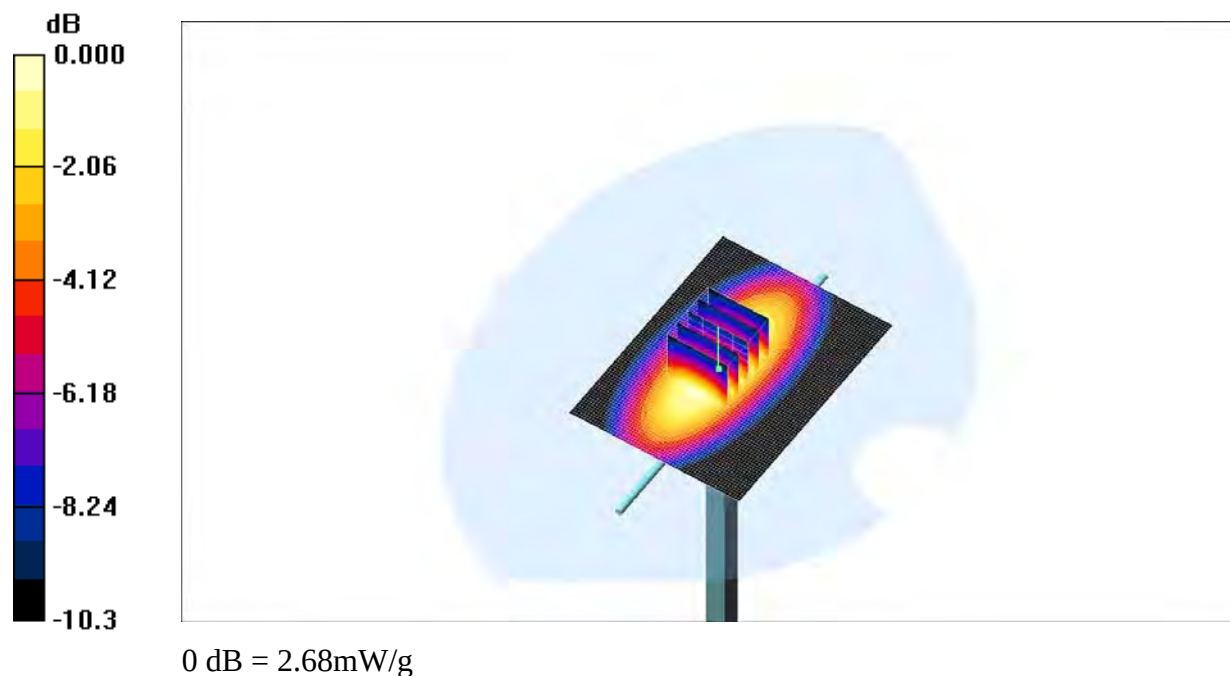
d=15mm, Pin=250mW/Zoom Scan (7x7x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 54.7 V/m; Power Drift = -0.015 dB

Peak SAR (extrapolated) = 3.41 W/kg

SAR(1 g) = 2.46 mW/g; SAR(10 g) = 1.63 mW/g

Maximum value of SAR (measured) = 2.68 mW/g



Date/Time: 8/16/2008 9:00:09 AM

Test Laboratory: Sony Ericsson Mobile Communications International AB

Venus EU-LeftHandSide-GSM1900-Middle-Tilt**DUT: Venus; Type: DUT; Serial: #13061**

Communication System: DCS 1900; Frequency: 1880 MHz; Duty Cycle: 1:8.3

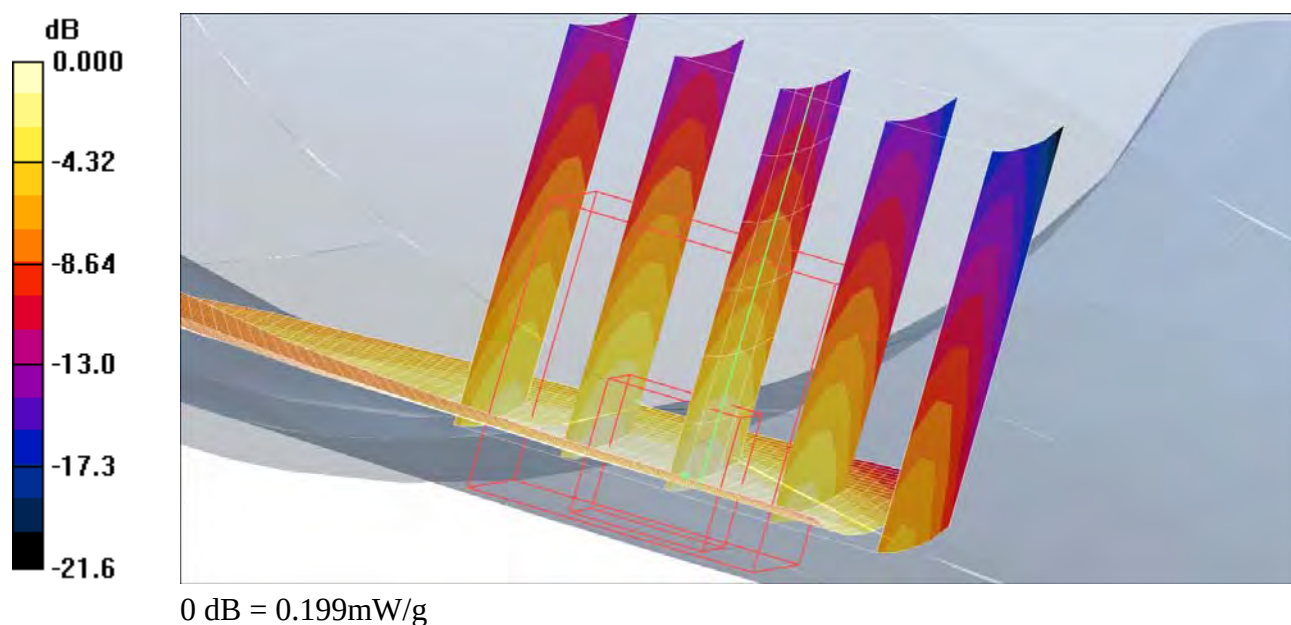
Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.45 \text{ mho/m}$; $\epsilon_r = 38.3$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1611; ConvF(5.17, 5.17, 5.17); Calibrated: 12/17/2007
 - Sensor-Surface: 4mm (Mechanical Surface Detection)
 - Electronics: DAE3 Sn449; Calibrated: 12/19/2007
 - Phantom: SAM-1; Type: SAM; Serial: 1437
 - Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172
- Tilt position - Middle/Area Scan (61x111x1):** Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$
Maximum value of SAR (interpolated) = 0.204 mW/g
- Tilt position - Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 0:** Measurement grid:
 $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$
Reference Value = 12.0 V/m ; Power Drift = -0.029 dB
Peak SAR (extrapolated) = 0.278 W/kg
SAR(1 g) = 0.184 mW/g ; SAR(10 g) = 0.107 mW/g
Maximum value of SAR (measured) = 0.199 mW/g



Date/Time: 8/16/2008 8:44:41 AM

Test Laboratory: Sony Ericsson Mobile Communications International AB

Venus EU-LeftHandSide-GSM1900-Middle-Touch**DUT: Venus; Type: DUT; Serial: #13061**

Communication System: DCS 1900; Frequency: 1880 MHz; Duty Cycle: 1:8.3

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.45$ mho/m; $\epsilon_r = 38.3$; $\rho = 1000$ kg/m³

Phantom section: Left Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1611; ConvF(5.17, 5.17, 5.17); Calibrated: 12/17/2007
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn449; Calibrated: 12/19/2007
- Phantom: SAM-1; Type: SAM; Serial: 1437
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

Touch position - Middle/Area Scan (61x111x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.472 mW/g

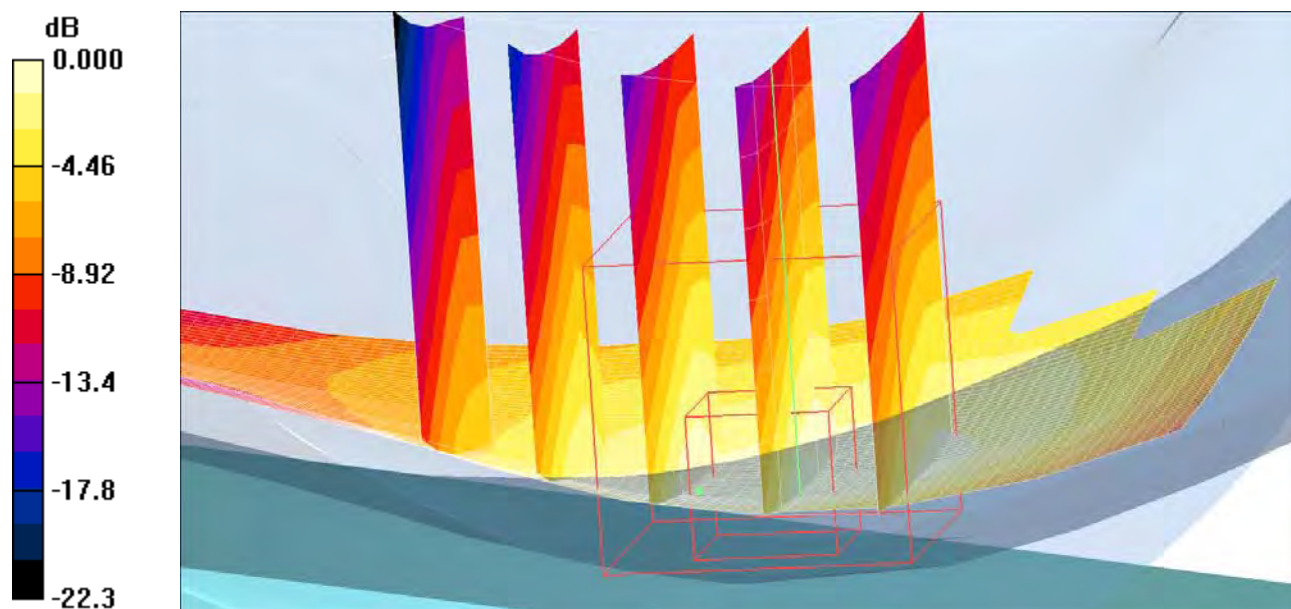
Touch position - Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.95 V/m; Power Drift = -0.033 dB

Peak SAR (extrapolated) = 0.614 W/kg

SAR(1 g) = 0.408 mW/g; SAR(10 g) = 0.248 mW/g

Maximum value of SAR (measured) = 0.426 mW/g



0 dB = 0.426mW/g

Date/Time: 8/16/2008 9:30:43 AM

Test Laboratory: Sony Ericsson Mobile Communications International AB

Venus EU-LeftHandSide-GSM1900-Touch-High**DUT: Venus; Type: DUT; Serial: #13061**

Communication System: DCS 1900; Frequency: 1909.8 MHz; Duty Cycle: 1:8.3

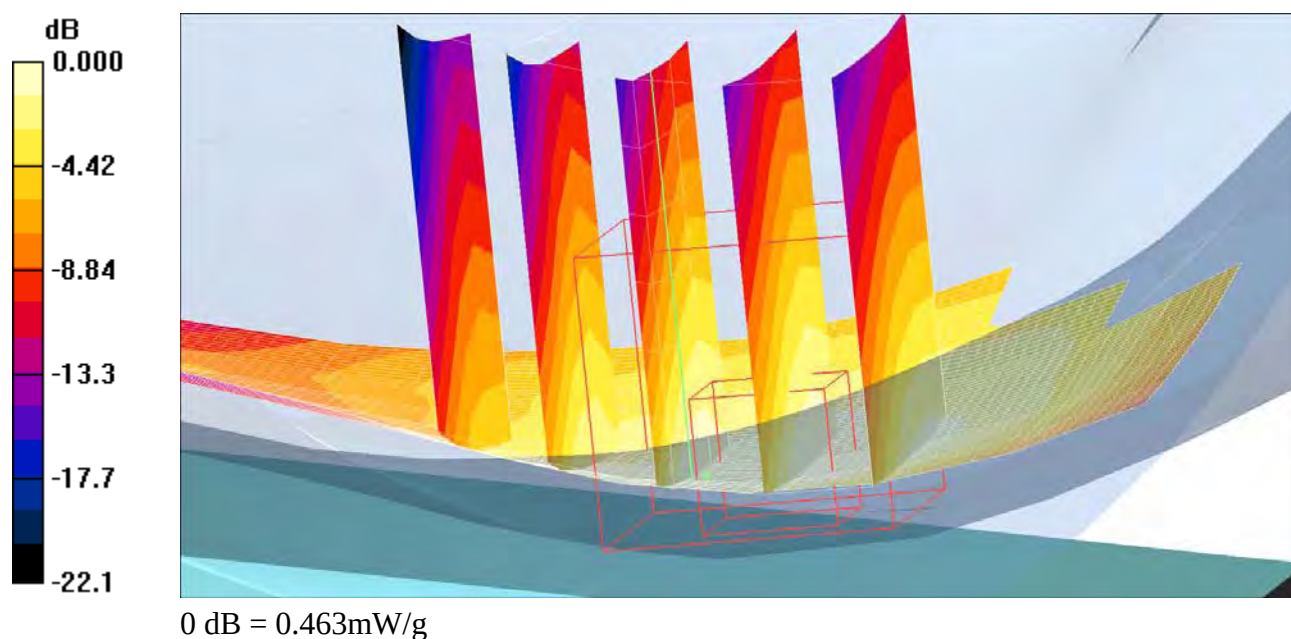
Medium parameters used: $f = 1909.8 \text{ MHz}$; $\sigma = 1.48 \text{ mho/m}$; $\epsilon_r = 38.2$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1611; ConvF(5.17, 5.17, 5.17); Calibrated: 12/17/2007
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn449; Calibrated: 12/19/2007
- Phantom: SAM-1; Type: SAM; Serial: 1437
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

Touch - High/Area Scan (61x111x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$ Maximum value of SAR (interpolated) = 0.518 mW/g **Touch - High/Zoom Scan (5x5x7) (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 7.80 V/m ; Power Drift = -0.031 dB Peak SAR (extrapolated) = 0.640 W/kg **SAR(1 g) = 0.441 mW/g ; SAR(10 g) = 0.272 mW/g** Maximum value of SAR (measured) = 0.463 mW/g 

Date/Time: 8/16/2008 9:15:18 AM

Test Laboratory: Sony Ericsson Mobile Communications International AB

Venus EU-LeftHandSide-GSM1900-Touch-Low**DUT: Venus; Type: DUT; Serial: #13061**

Communication System: DCS 1900; Frequency: 1850.2 MHz; Duty Cycle: 1:8.3

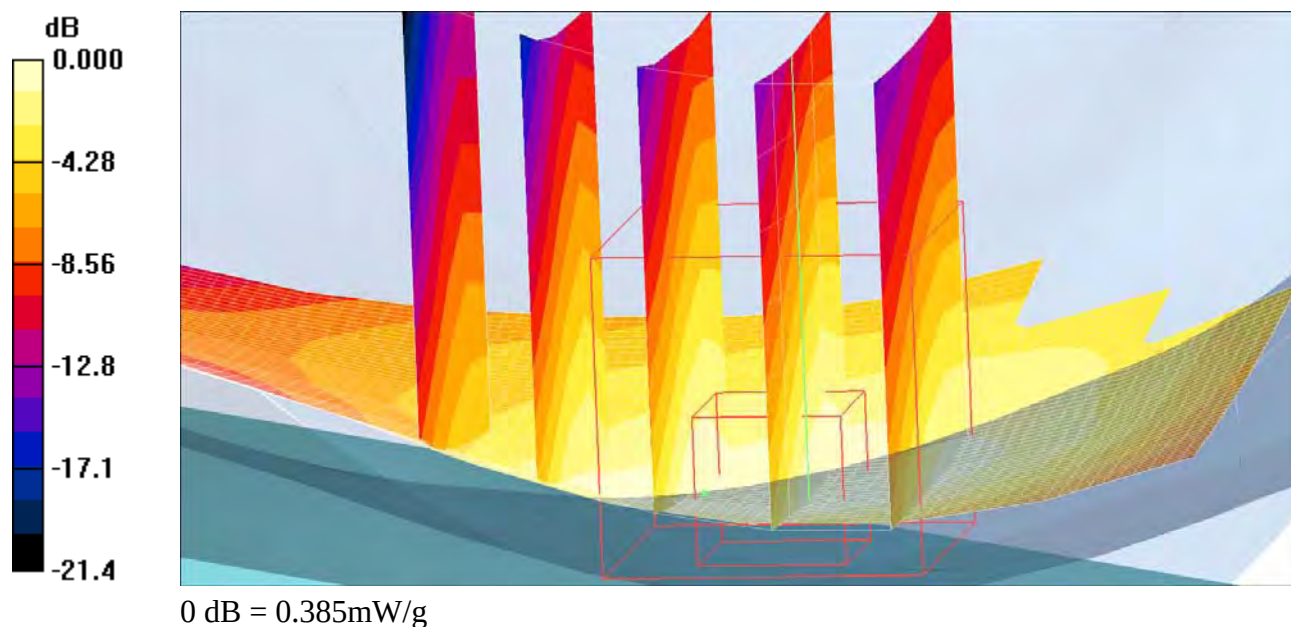
Medium parameters used: $f = 1850.2 \text{ MHz}$; $\sigma = 1.42 \text{ mho/m}$; $\epsilon_r = 38.4$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1611; ConvF(5.17, 5.17, 5.17); Calibrated: 12/17/2007
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn449; Calibrated: 12/19/2007
- Phantom: SAM-1; Type: SAM; Serial: 1437
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

Touch - Low/Area Scan (61x111x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$ Maximum value of SAR (interpolated) = 0.423 mW/g **Touch - Low/Zoom Scan (5x5x7) (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 6.50 V/m ; Power Drift = 0.137 dB Peak SAR (extrapolated) = 0.525 W/kg **SAR(1 g) = 0.368 mW/g ; SAR(10 g) = 0.231 mW/g** Maximum value of SAR (measured) = 0.385 mW/g 

Date/Time: 8/18/2008 11:10:26 AM

Test Laboratory: Sony Ericsson Mobile Communications International AB

Venus EU-LeftHandSide-GSM850-Tilt-Middle**DUT: Venus; Type: DUT; Serial: #13061**

Communication System: GSM 850; Frequency: 836.6 MHz; Duty Cycle: 1:8.3

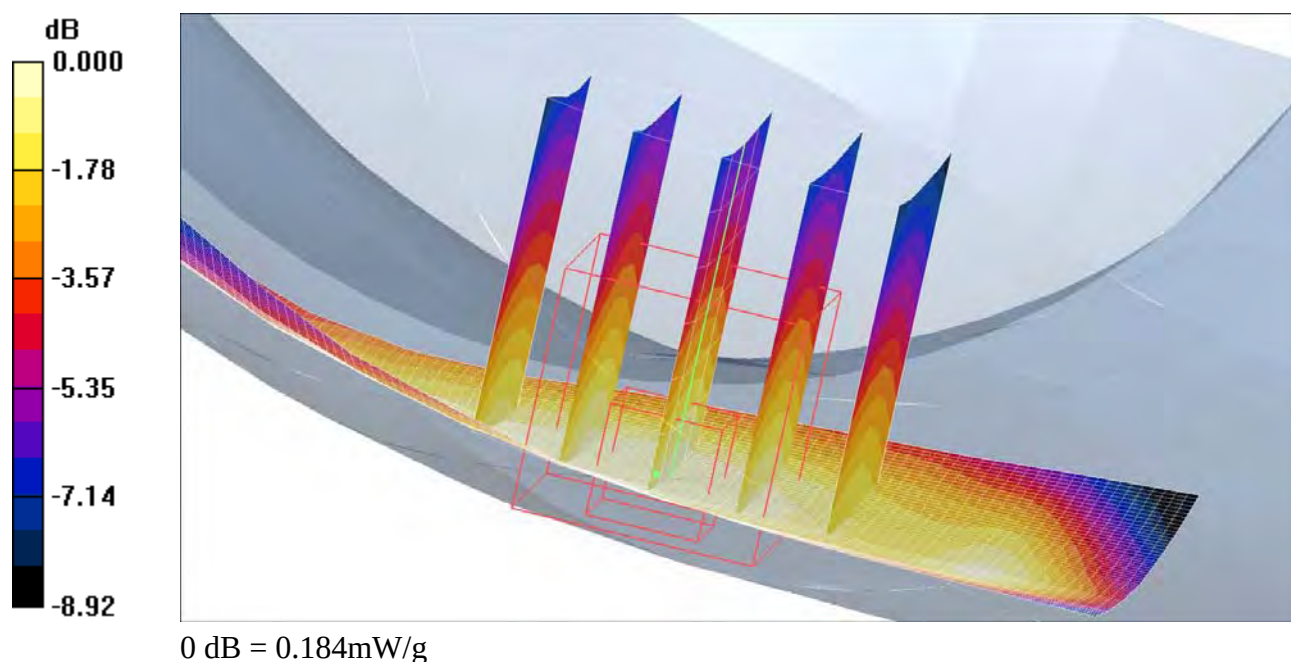
Medium parameters used: $f = 836.6$ MHz; $\sigma = 0.86$ mho/m; $\epsilon_r = 40.2$; $\rho = 1000$ kg/m³

Phantom section: Left Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1611; ConvF(6.63, 6.63, 6.63); Calibrated: 12/17/2007
 - Sensor-Surface: 4mm (Mechanical Surface Detection)
 - Electronics: DAE3 Sn449; Calibrated: 12/19/2007
 - Phantom: SAM-2; Type: SAM; Serial: 1025
 - Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172
- Tilt position - Middle/Area Scan (61x111x1):** Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.189 mW/g
- Tilt position - Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 0:** Measurement grid:
dx=8mm, dy=8mm, dz=5mm
Reference Value = 13.1 V/m; Power Drift = -0.024 dB
Peak SAR (extrapolated) = 0.210 W/kg
SAR(1 g) = 0.174 mW/g; SAR(10 g) = 0.131 mW/g
Maximum value of SAR (measured) = 0.184 mW/g



Date/Time: 8/18/2008 10:49:09 AM

Test Laboratory: Sony Ericsson Mobile Communications International AB

Venus EU-LeftHandSide-GSM850-Touch-High**DUT: Venus; Type: DUT; Serial: #13061**

Communication System: GSM 850; Frequency: 848.8 MHz; Duty Cycle: 1:8.3

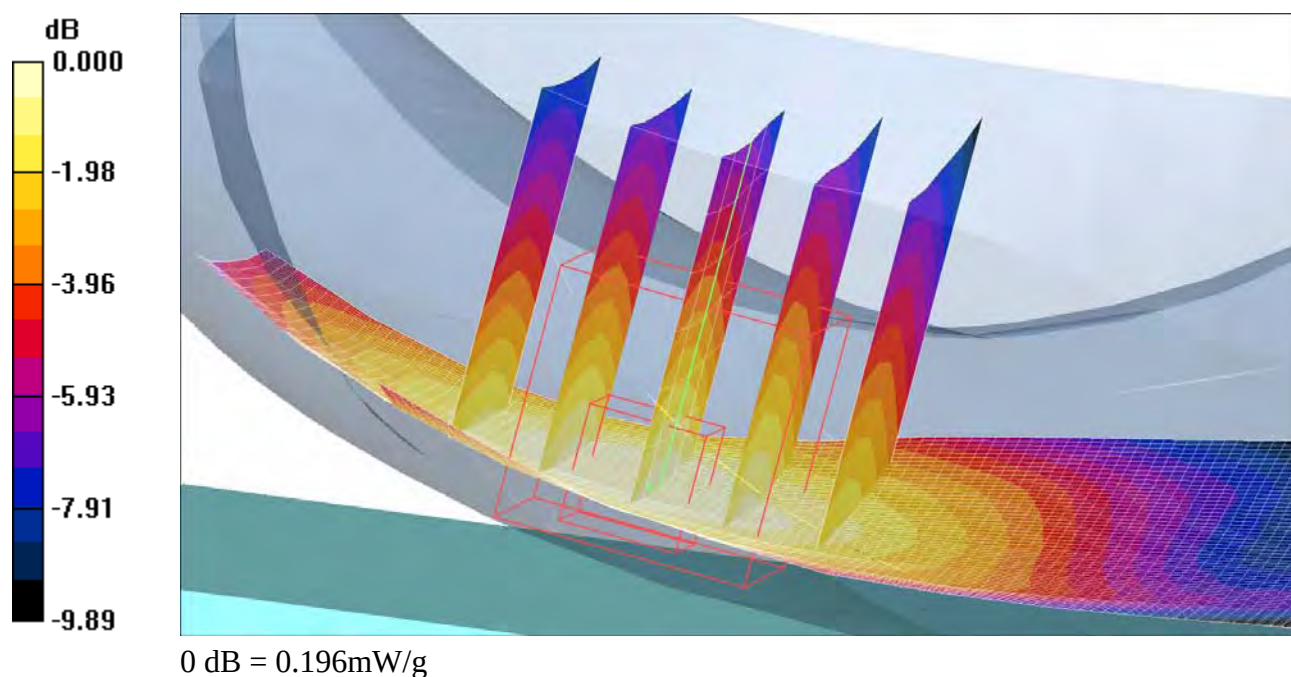
Medium parameters used: $f = 848.8 \text{ MHz}$; $\sigma = 0.87 \text{ mho/m}$; $\epsilon_r = 40.1$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1611; ConvF(6.63, 6.63, 6.63); Calibrated: 12/17/2007
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn449; Calibrated: 12/19/2007
- Phantom: SAM-2; Type: SAM; Serial: 1025
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

Touch - High/Area Scan (61x111x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$ Maximum value of SAR (interpolated) = 0.197 mW/g **Touch - High/Zoom Scan (5x5x7) (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 5.69 V/m ; Power Drift = 0.066 dB Peak SAR (extrapolated) = 0.236 W/kg **SAR(1 g) = 0.185 mW/g ; SAR(10 g) = 0.139 mW/g** Maximum value of SAR (measured) = 0.196 mW/g 

Date/Time: 8/18/2008 10:33:59 AM

Test Laboratory: Sony Ericsson Mobile Communications International AB

Venus EU-LeftHandSide-GSM850-Touch-Low**DUT: Venus; Type: DUT; Serial: #13061**

Communication System: GSM 850; Frequency: 824.2 MHz; Duty Cycle: 1:8.3

Medium parameters used: $f = 824.2$ MHz; $\sigma = 0.84$ mho/m; $\epsilon_r = 40.4$; $\rho = 1000$ kg/m³

Phantom section: Left Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1611; ConvF(6.63, 6.63, 6.63); Calibrated: 12/17/2007
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn449; Calibrated: 12/19/2007
- Phantom: SAM-2; Type: SAM; Serial: 1025
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

Touch - Low/Area Scan (61x111x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.273 mW/g

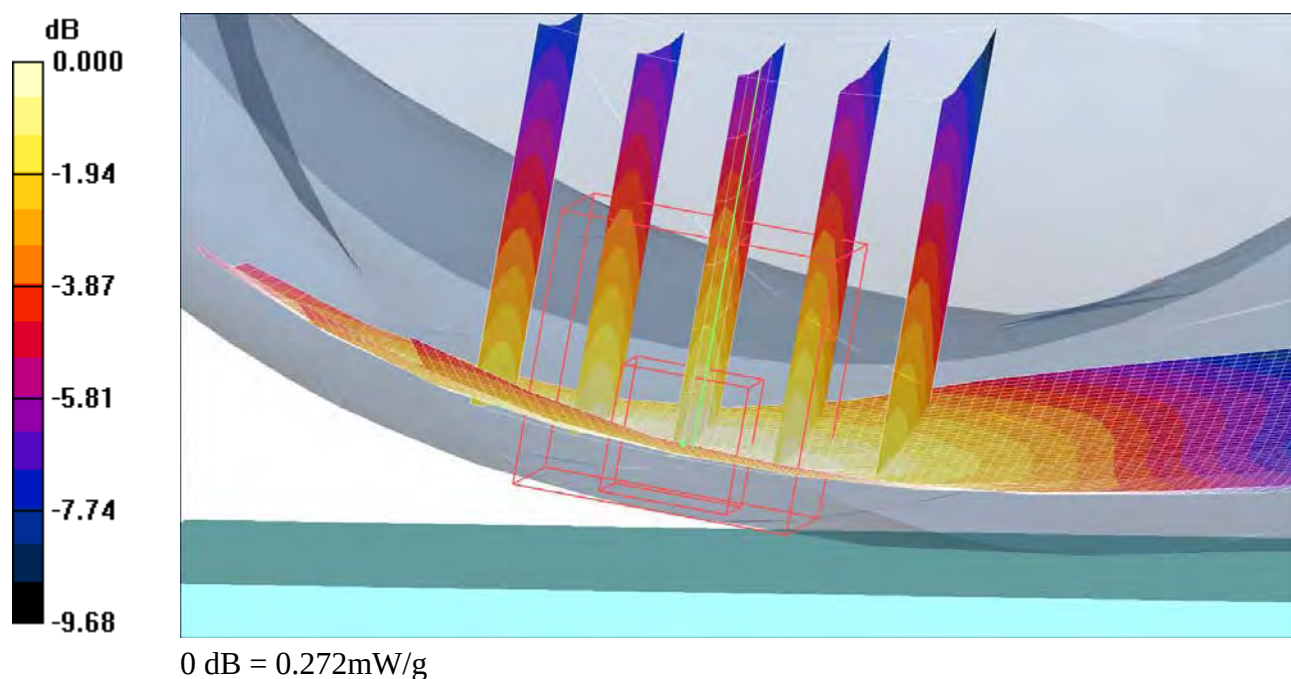
Touch - Low/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.19 V/m; Power Drift = -0.168 dB

Peak SAR (extrapolated) = 0.327 W/kg

SAR(1 g) = 0.259 mW/g; SAR(10 g) = 0.195 mW/g

Maximum value of SAR (measured) = 0.272 mW/g



Date/Time: 8/18/2008 10:11:11 AM

Test Laboratory: Sony Ericsson Mobile Communications International AB

Venus EU-LeftHandSide-GSM850-Touch-Middle**DUT: Venus; Type: DUT; Serial: #13061**

Communication System: GSM 850; Frequency: 836.6 MHz; Duty Cycle: 1:8.3

Medium parameters used: $f = 836.6$ MHz; $\sigma = 0.86$ mho/m; $\epsilon_r = 40.2$; $\rho = 1000$ kg/m³

Phantom section: Left Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1611; ConvF(6.63, 6.63, 6.63); Calibrated: 12/17/2007
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn449; Calibrated: 12/19/2007
- Phantom: SAM-2; Type: SAM; Serial: 1025
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

Touch position - Middle/Area Scan (61x111x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.222 mW/g

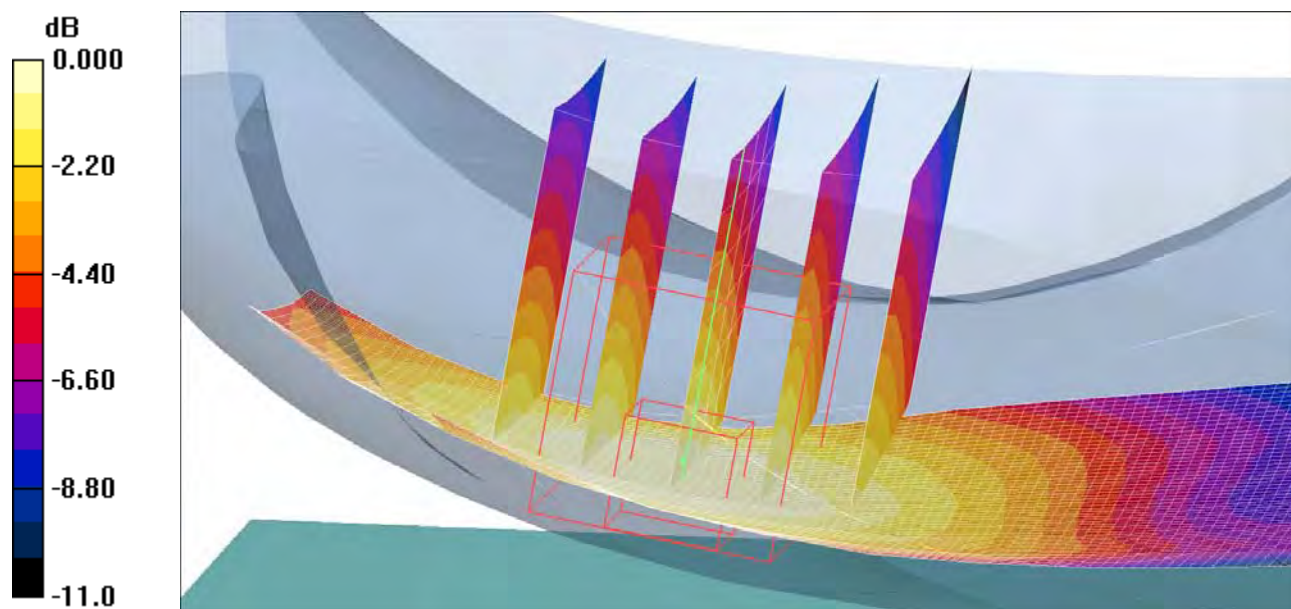
Touch position - Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.16 V/m; Power Drift = -0.041 dB

Peak SAR (extrapolated) = 0.258 W/kg

SAR(1 g) = 0.204 mW/g; SAR(10 g) = 0.148 mW/g

Maximum value of SAR (measured) = 0.215 mW/g



0 dB = 0.215mW/g

Date/Time: 8/22/2008 12:01:36 PM

Test Laboratory: Sony Ericsson Mobile Communications International AB

Venus EU-LeftHandSide-UMTS2-High-Touch**DUT: Venus; Type: DUT; Serial: #13061**

Communication System: WCDMA Band 2; Frequency: 1907.6 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1907.6$ MHz; $\sigma = 1.47$ mho/m; $\epsilon_r = 38.2$; $\rho = 1000$ kg/m³

Phantom section: Left Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1611; ConvF(5.17, 5.17, 5.17); Calibrated: 12/17/2007
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn449; Calibrated: 12/19/2007
- Phantom: SAM-1; Type: SAM; Serial: 1437
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

Touch - High/Area Scan (61x111x1): Measurement grid: dx=10mm, dy=10mm

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

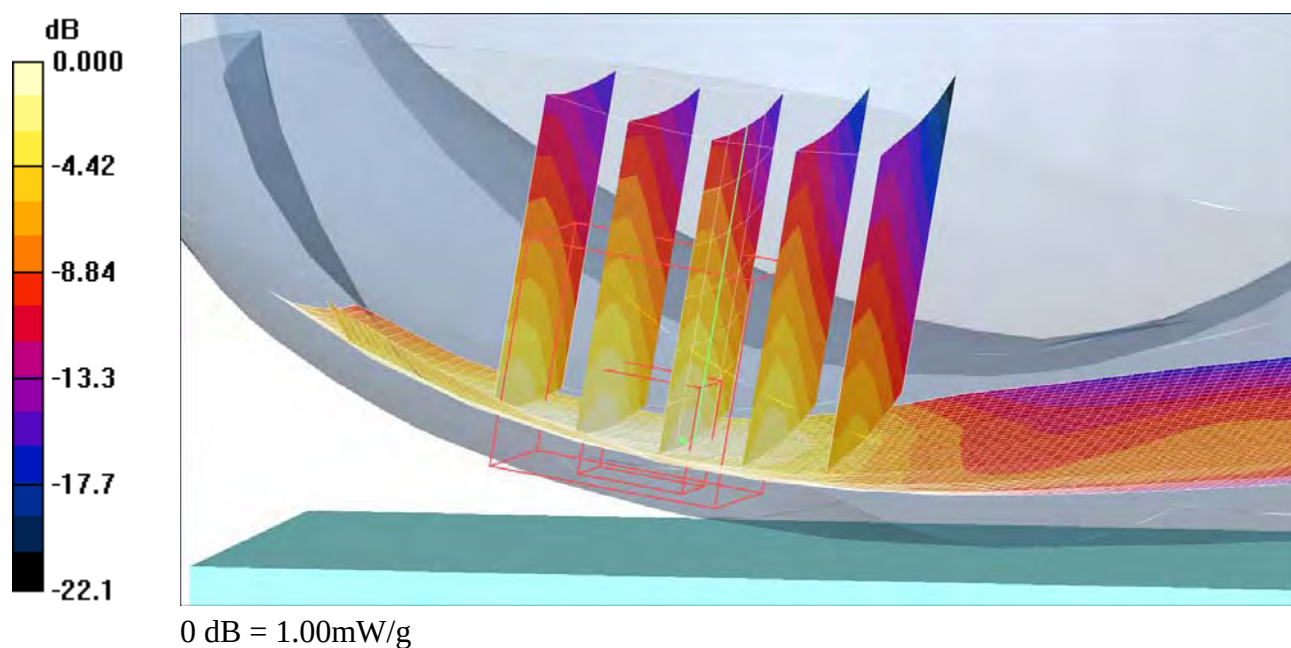
Touch - High/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.5 V/m; Power Drift = -0.115 dB

Peak SAR (extrapolated) = 1.49 W/kg

SAR(1 g) = 0.918 mW/g; SAR(10 g) = 0.548 mW/g

Maximum value of SAR (measured) = 1.00 mW/g



Date/Time: 8/22/2008 11:41:04 AM

Test Laboratory: Sony Ericsson Mobile Communications International AB

Venus EU-LeftHandSide-UMTS2-Low-Touch**DUT: Venus; Type: DUT; Serial: #13061**

Communication System: WCDMA Band 2; Frequency: 1852.4 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1852.4$ MHz; $\sigma = 1.41$ mho/m; $\epsilon_r = 38.4$; $\rho = 1000$ kg/m³

Phantom section: Left Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1611; ConvF(5.17, 5.17, 5.17); Calibrated: 12/17/2007
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn449; Calibrated: 12/19/2007
- Phantom: SAM-1; Type: SAM; Serial: 1437
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

Touch - Low/Area Scan (61x111x1): Measurement grid: dx=10mm, dy=10mm

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

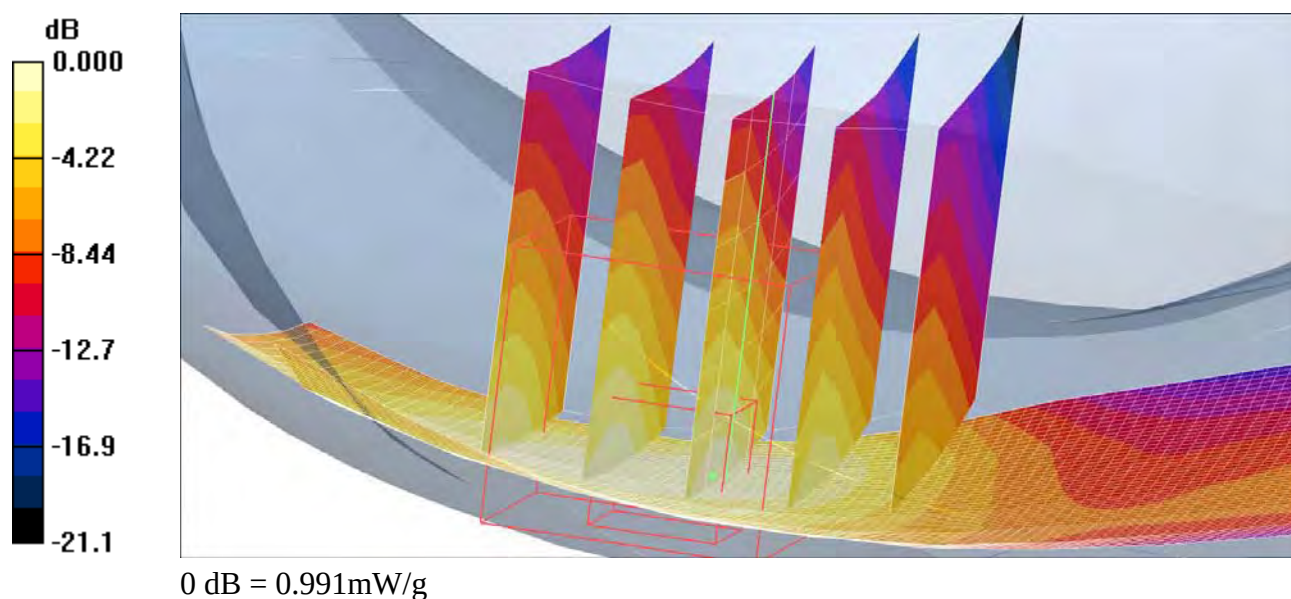
Touch - Low/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.97 V/m; Power Drift = 0.007 dB

Peak SAR (extrapolated) = 1.41 W/kg

SAR(1 g) = 0.915 mW/g; SAR(10 g) = 0.559 mW/g

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



Date/Time: 8/22/2008 11:08:20 AM

Test Laboratory: Sony Ericsson Mobile Communications International AB

Venus EU-LeftHandSide-UMTS2-Middle-Tilt**DUT: Venus; Type: DUT; Serial: #13061**

Communication System: WCDMA Band 2; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.44$ mho/m; $\epsilon_r = 38.3$; $\rho = 1000$ kg/m³

Phantom section: Left Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1611; ConvF(5.17, 5.17, 5.17); Calibrated: 12/17/2007
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn449; Calibrated: 12/19/2007
- Phantom: SAM-1; Type: SAM; Serial: 1437
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

Tiltposition - Middle/Area Scan (61x111x1): Measurement grid: dx=10mm, dy=10mm
 Maximum value of SAR (interpolated) = 0.373 mW/g

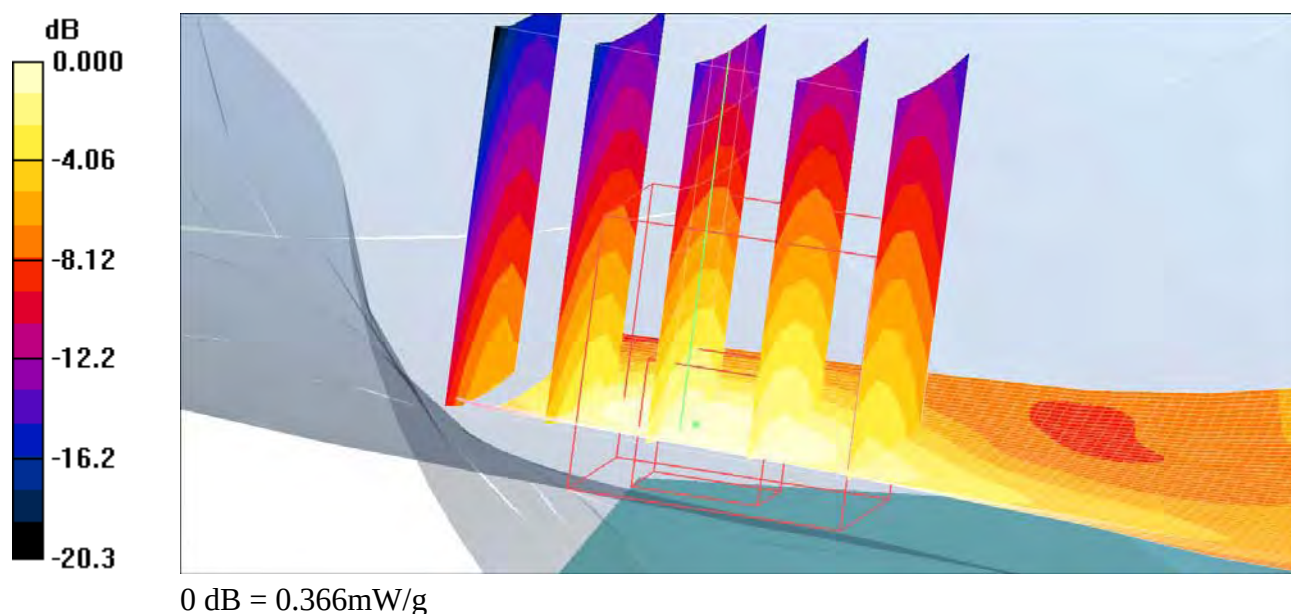
Tiltposition - Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 16.2 V/m; Power Drift = 0.059 dB

Peak SAR (extrapolated) = 0.510 W/kg

SAR(1 g) = 0.335 mW/g; SAR(10 g) = 0.194 mW/g

Maximum value of SAR (measured) = 0.366 mW/g



Date/Time: 8/22/2008 11:25:17 AM

Test Laboratory: Sony Ericsson Mobile Communications International AB

Venus EU-LeftHandSide-UMTS2-Middle-Touch**DUT: Venus; Type: DUT; Serial: #13061**

Communication System: WCDMA Band 2; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.44$ mho/m; $\epsilon_r = 38.3$; $\rho = 1000$ kg/m³

Phantom section: Left Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1611; ConvF(5.17, 5.17, 5.17); Calibrated: 12/17/2007
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn449; Calibrated: 12/19/2007
- Phantom: SAM-1; Type: SAM; Serial: 1437
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

Touch position - Middle/Area Scan (61x111x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.977 mW/g

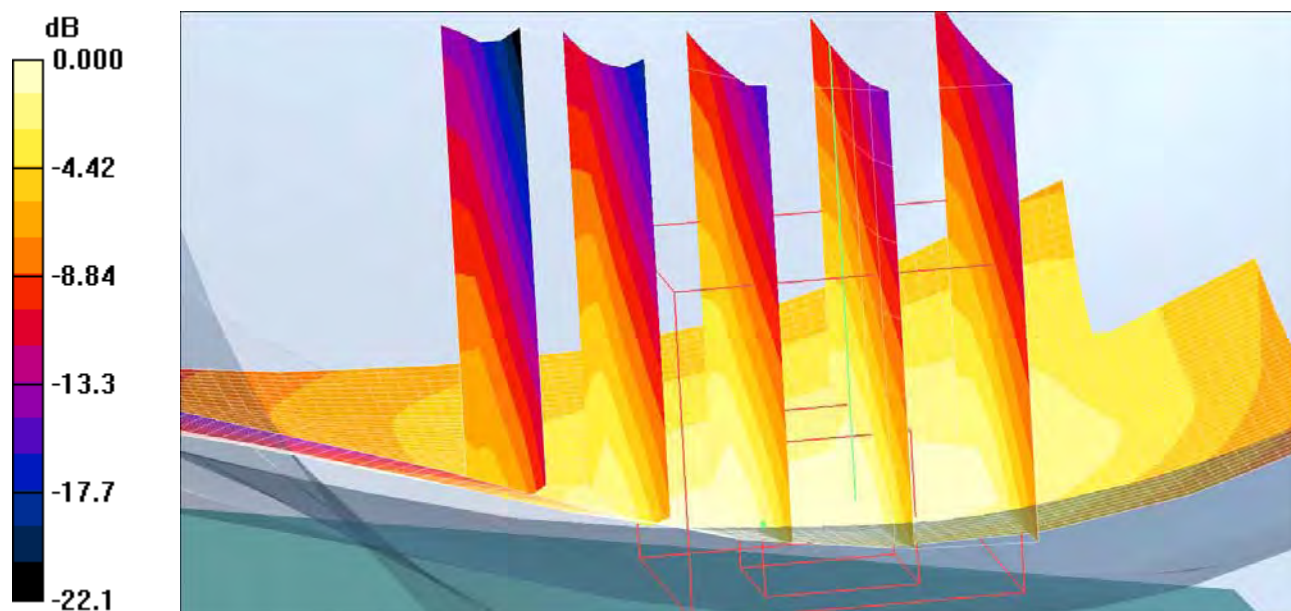
Touch position - Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.55 V/m; Power Drift = 0.048 dB

Peak SAR (extrapolated) = 1.27 W/kg

SAR(1 g) = 0.847 mW/g; SAR(10 g) = 0.510 mW/g

Maximum value of SAR (measured) = 0.888 mW/g



0 dB = 0.888mW/g

Date/Time: 8/28/2008 12:08:15 PM

Test Laboratory: Sony Ericsson Mobile Communications International AB

Venus EU-LeftHandSide-WLAN-Fcc-High-Tilt**DUT: Venus; Type: DUT; Serial: #13062**

Communication System: WLAN; Frequency: 2462 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2462$ MHz; $\sigma = 1.88$ mho/m; $\epsilon_r = 37.5$; $\rho = 1000$ kg/m³

Phantom section: Left Section

Measurement Standard: DAS4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1611; ConvF(4.55, 4.55, 4.55); Calibrated: 12/17/2007
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn449; Calibrated: 12/19/2007
- Phantom: SAM-1; Type: SAM; Serial: 1437
- Measurement SW: DAS4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

Tilt - High/Area Scan (61x111x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.079 mW/g

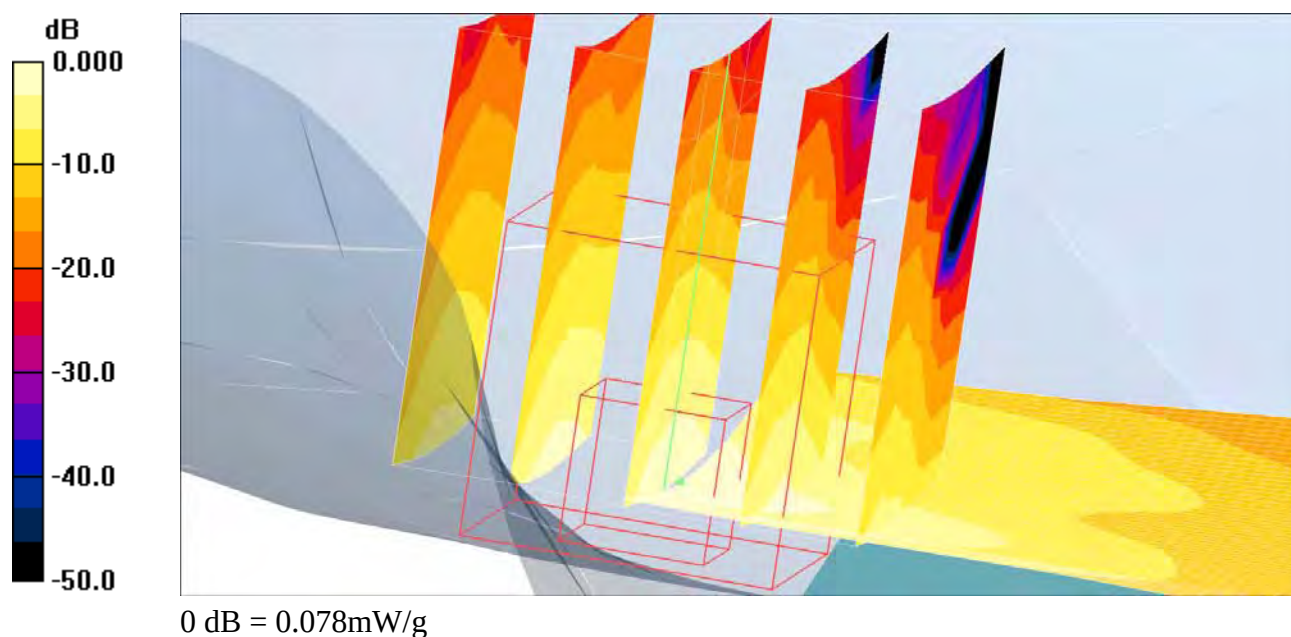
Tilt - High/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 3.62 V/m; Power Drift = -0.225 dB

Peak SAR (extrapolated) = 0.153 W/kg

SAR(1 g) = 0.068 mW/g; SAR(10 g) = 0.030 mW/g

Maximum value of SAR (measured) = 0.078 mW/g



Date/Time: 8/28/2008 11:40:35 AM

Test Laboratory: Sony Ericsson Mobile Communications International AB

Venus EU-LeftHandSide-WLAN-Low-Tilt**DUT: Venus; Type: DUT; Serial: #13062**

Communication System: WLAN; Frequency: 2412 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2412$ MHz; $\sigma = 1.88$ mho/m; $\epsilon_r = 37.5$; $\rho = 1000$ kg/m³

Phantom section: Left Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1611; ConvF(4.55, 4.55, 4.55); Calibrated: 12/17/2007
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn449; Calibrated: 12/19/2007
- Phantom: SAM-1; Type: SAM; Serial: 1437
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

Tilt - Low/Area Scan (61x111x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.112 mW/g

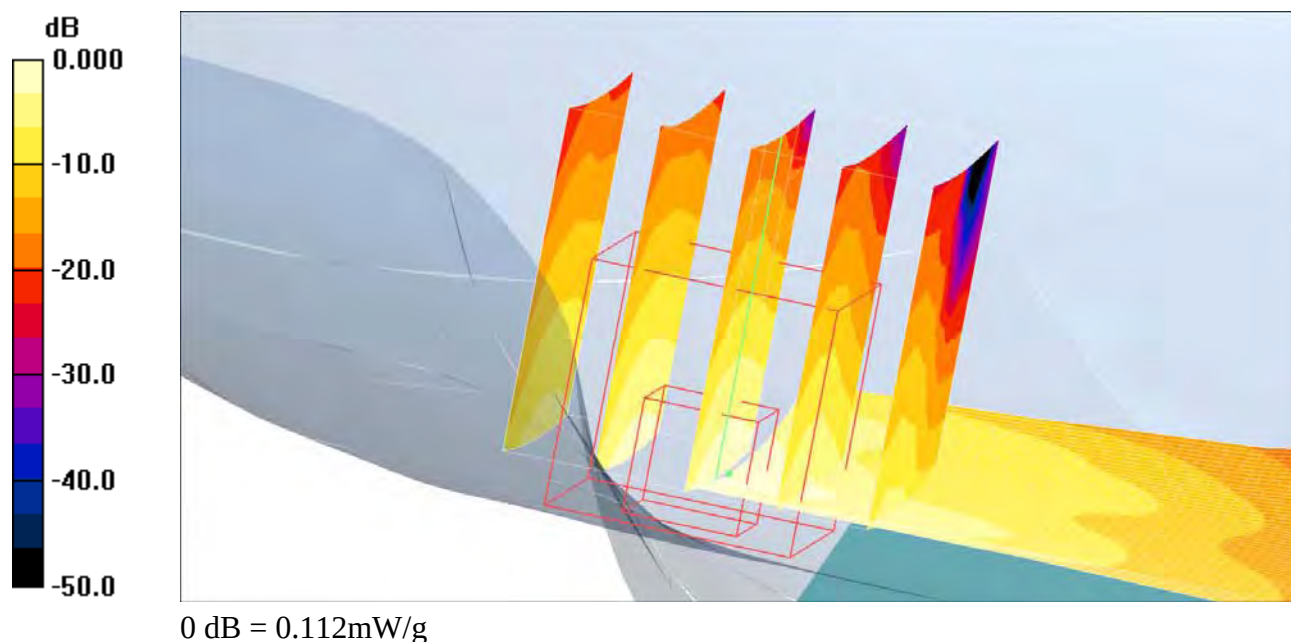
Tilt - Low/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.35 V/m; Power Drift = -0.188 dB

Peak SAR (extrapolated) = 0.220 W/kg

SAR(1 g) = 0.099 mW/g; SAR(10 g) = 0.045 mW/g

Maximum value of SAR (measured) = 0.112 mW/g



Date/Time: 8/28/2008 11:17:09 AM

Test Laboratory: Sony Ericsson Mobile Communications International AB

Venus EU-LeftHandSide-WLAN-Middle-Tilt**DUT: Venus; Type: DUT; Serial: #13062**

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

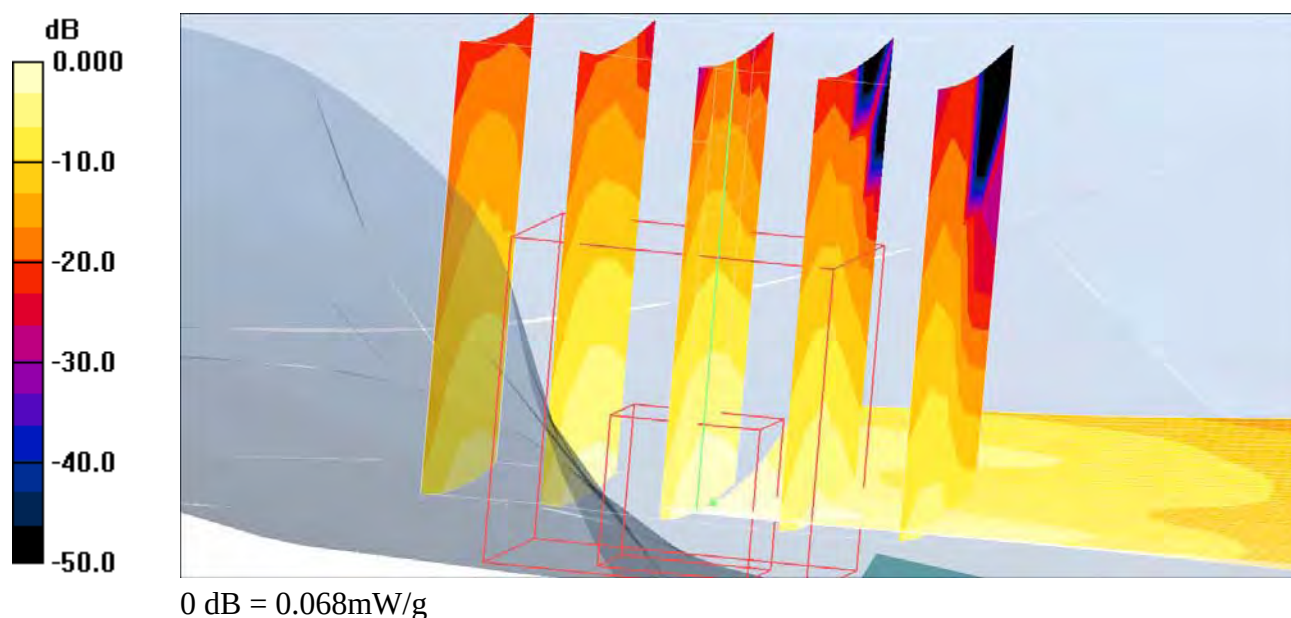
Medium parameters used: $f = 2437$ MHz; $\sigma = 1.88$ mho/m; $\epsilon_r = 37.5$; $\rho = 1000$ kg/m³

Phantom section: Left Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1611; ConvF(4.55, 4.55, 4.55); Calibrated: 12/17/2007
 - Sensor-Surface: 4mm (Mechanical Surface Detection)
 - Electronics: DAE3 Sn449; Calibrated: 12/19/2007
 - Phantom: SAM-1; Type: SAM; Serial: 1437
 - Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172
- Tilt position - Middle/Area Scan (61x111x1):** Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.068 mW/g
- Tilt position - Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 0:** Measurement grid:
dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.48 V/m; Power Drift = 0.188 dB
Peak SAR (extrapolated) = 0.134 W/kg
SAR(1 g) = 0.060 mW/g; SAR(10 g) = 0.027 mW/g
Maximum value of SAR (measured) = 0.068 mW/g



Date/Time: 8/28/2008 10:45:45 AM

Test Laboratory: Sony Ericsson Mobile Communications International AB

Venus EU-LeftHandSide-WLAN-Middle-Touch**DUT: Venus; Type: DUT; Serial: #13062**

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

Medium parameters used: $f = 2437$ MHz; $\sigma = 1.88$ mho/m; $\epsilon_r = 37.5$; $\rho = 1000$ kg/m³

Phantom section: Left Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1611; ConvF(4.55, 4.55, 4.55); Calibrated: 12/17/2007
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn449; Calibrated: 12/19/2007
- Phantom: SAM-1; Type: SAM; Serial: 1437
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

Touch position - Middle/Area Scan (61x111x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.039 mW/g

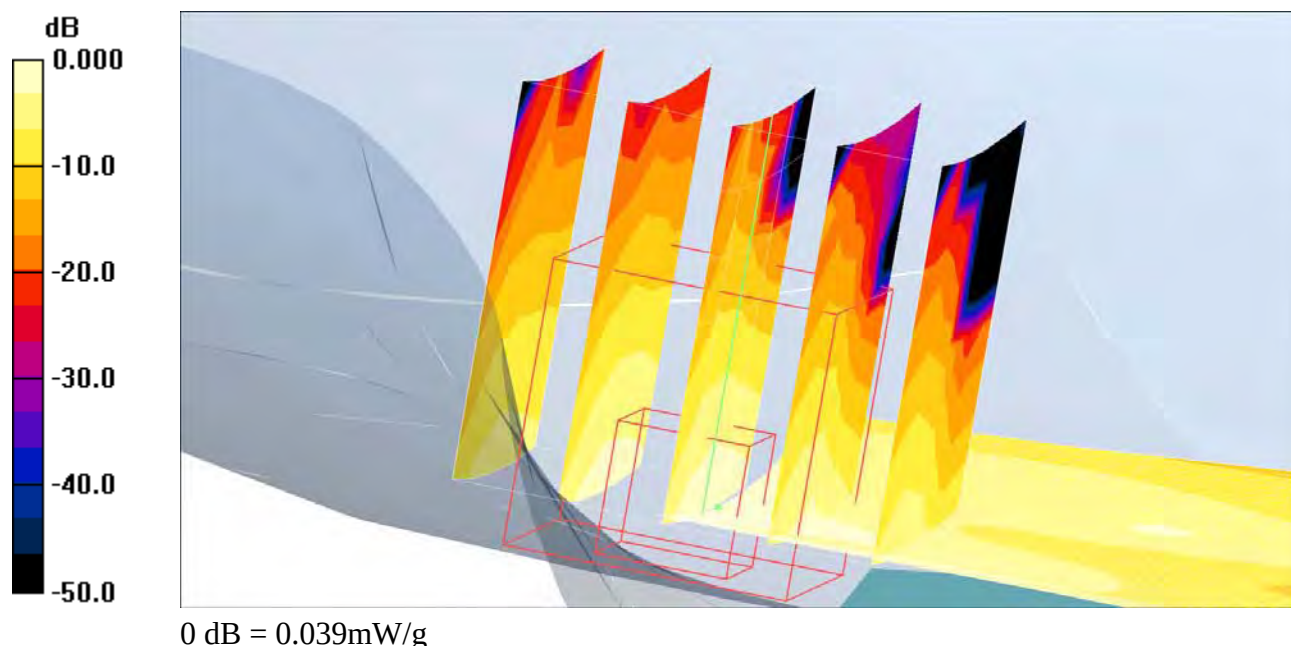
Touch position - Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 2.58 V/m; Power Drift = 0.189 dB

Peak SAR (extrapolated) = 0.074 W/kg

SAR(1 g) = 0.035 mW/g; SAR(10 g) = 0.016 mW/g

Maximum value of SAR (measured) = 0.039 mW/g



Date/Time: 8/16/2008 10:50:07 AM

Test Laboratory: Sony Ericsson Mobile Communications International AB

Venus EU-RightHandSide-GSM1900-High-Touch**DUT: Venus; Type: DUT; Serial: #13061**

Communication System: DCS 1900; Frequency: 1909.8 MHz; Duty Cycle: 1:8.3

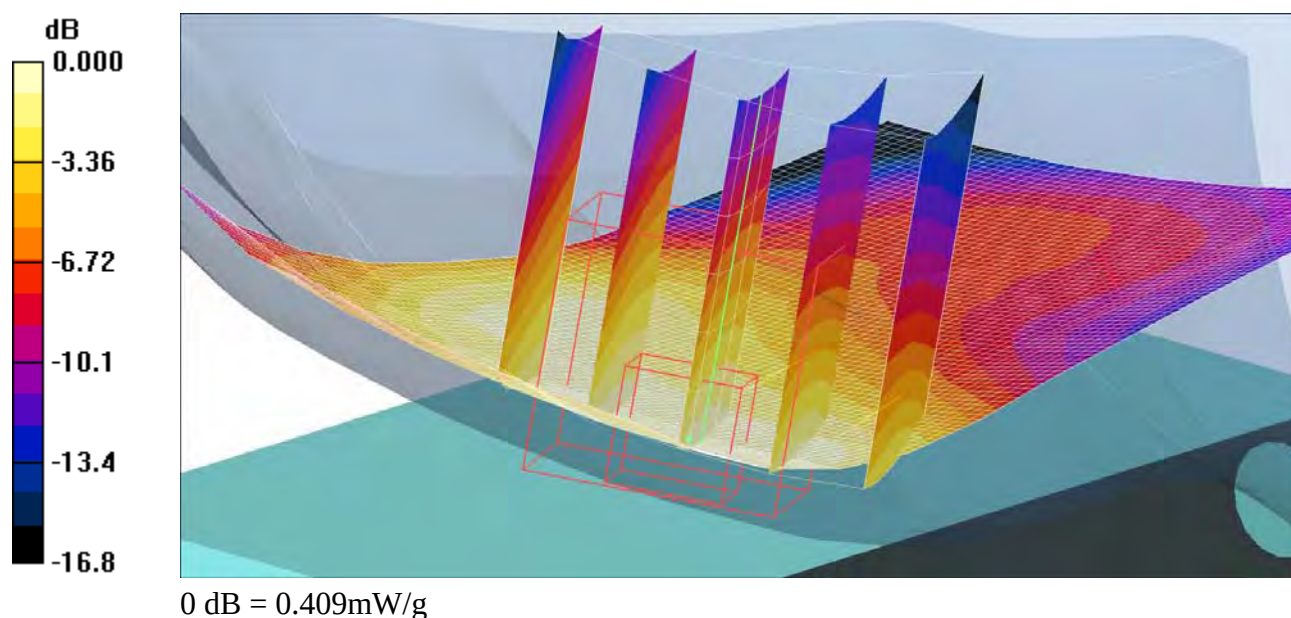
Medium parameters used: $f = 1909.8 \text{ MHz}$; $\sigma = 1.48 \text{ mho/m}$; $\epsilon_r = 38.2$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1611; ConvF(5.17, 5.17, 5.17); Calibrated: 12/17/2007
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn449; Calibrated: 12/19/2007
- Phantom: SAM-1; Type: SAM; Serial: 1437
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

Touch - High/Area Scan (61x111x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$ Maximum value of SAR (interpolated) = 0.432 mW/g **Touch - High/Zoom Scan (5x5x7) (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 7.28 V/m ; Power Drift = 0.008 dB Peak SAR (extrapolated) = 0.575 W/kg **SAR(1 g) = 0.383 mW/g ; SAR(10 g) = 0.244 mW/g** Maximum value of SAR (measured) = 0.409 mW/g 

Date/Time: 8/16/2008 10:15:31 AM

Test Laboratory: Sony Ericsson Mobile Communications International AB

Venus EU-RightHandSide-GSM1900-Middle-Tilt**DUT: Venus; Type: DUT; Serial: #13061**

Communication System: DCS 1900; Frequency: 1880 MHz; Duty Cycle: 1:8.3

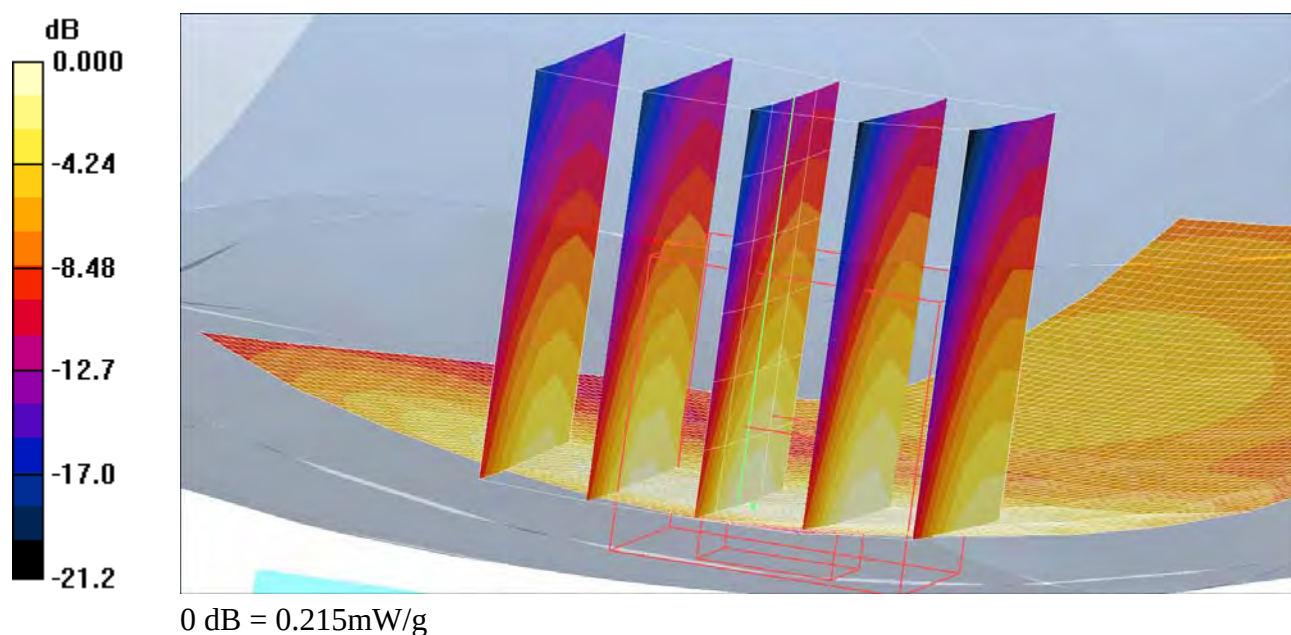
Medium parameters used: $f = 1880$ MHz; $\sigma = 1.45$ mho/m; $\epsilon_r = 38.3$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1611; ConvF(5.17, 5.17, 5.17); Calibrated: 12/17/2007
 - Sensor-Surface: 4mm (Mechanical Surface Detection)
 - Electronics: DAE3 Sn449; Calibrated: 12/19/2007
 - Phantom: SAM-1; Type: SAM; Serial: 1437
 - Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172
- Tilt position - Middle/Area Scan (61x111x1):** Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.227 mW/g
- Tilt position - Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 0:** Measurement grid:
dx=8mm, dy=8mm, dz=5mm
Reference Value = 11.1 V/m; Power Drift = 0.072 dB
Peak SAR (extrapolated) = 0.323 W/kg
SAR(1 g) = 0.205 mW/g; SAR(10 g) = 0.118 mW/g
Maximum value of SAR (measured) = 0.215 mW/g



Date/Time: 8/16/2008 9:59:11 AM

Test Laboratory: Sony Ericsson Mobile Communications International AB

Venus EU-RightHandSide-GSM1900-Middle-Touch**DUT: Venus; Type: DUT; Serial: #13061**

Communication System: DCS 1900; Frequency: 1880 MHz; Duty Cycle: 1:8.3

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.45$ mho/m; $\epsilon_r = 38.3$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1611; ConvF(5.17, 5.17, 5.17); Calibrated: 12/17/2007
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn449; Calibrated: 12/19/2007
- Phantom: SAM-1; Type: SAM; Serial: 1437
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

Touch position - Middle/Area Scan (61x111x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.378 mW/g

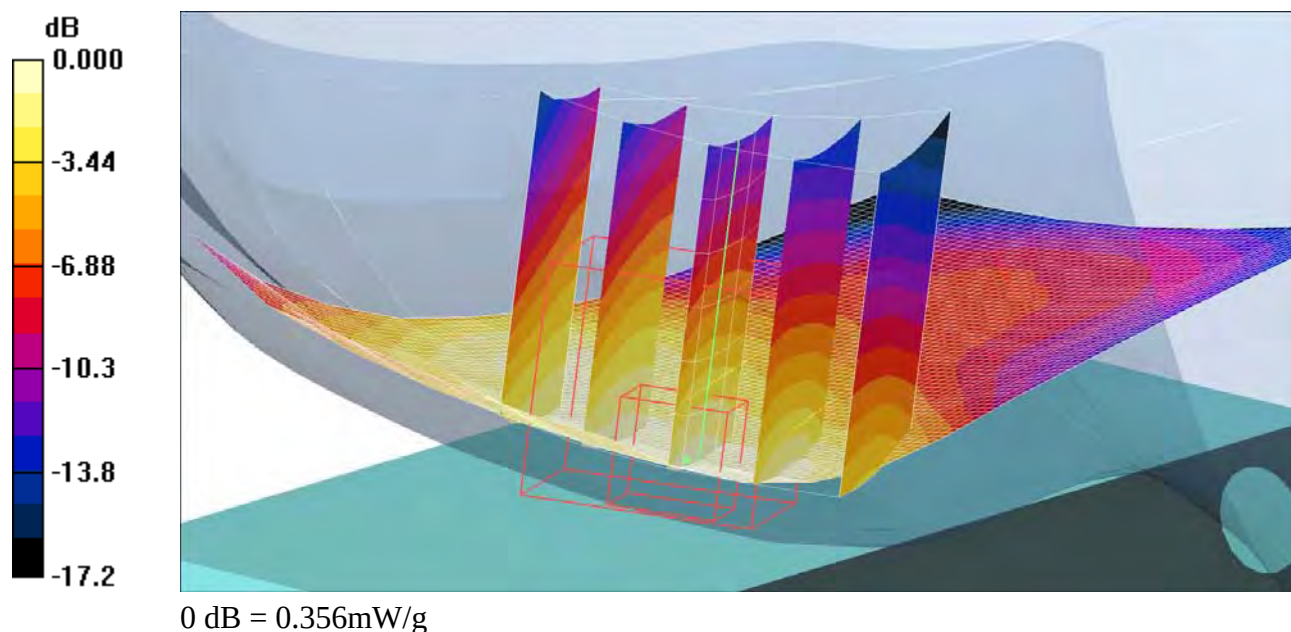
Touch position - Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.12 V/m; Power Drift = 0.131 dB

Peak SAR (extrapolated) = 0.518 W/kg

SAR(1 g) = 0.332 mW/g; SAR(10 g) = 0.209 mW/g

Maximum value of SAR (measured) = 0.356 mW/g



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Test Laboratory: Sony Ericsson Mobile Communications International AB

Venus EU-RightHandSide-GSM1900-Touch-Low**DUT: Venus; Type: DUT; Serial: #13061**

Communication System: DCS 1900; Frequency: 1850.2 MHz; Duty Cycle: 1:8.3

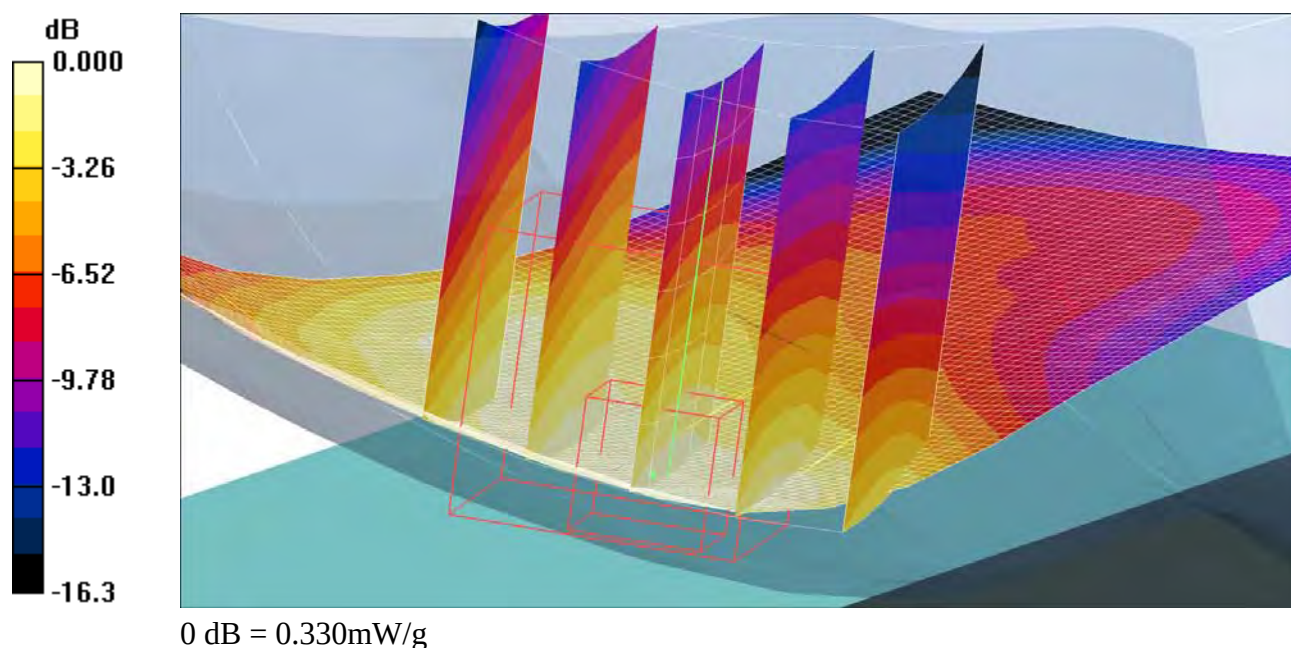
Medium parameters used: $f = 1850.2 \text{ MHz}$; $\sigma = 1.42 \text{ mho/m}$; $\epsilon_r = 38.4$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1611; ConvF(5.17, 5.17, 5.17); Calibrated: 12/17/2007
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn449; Calibrated: 12/19/2007
- Phantom: SAM-1; Type: SAM; Serial: 1437
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

Touch - Low/Area Scan (61x111x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$ Maximum value of SAR (interpolated) = 0.348 mW/g **Touch - Low/Zoom Scan (5x5x7) (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 6.03 V/m ; Power Drift = -0.092 dB Peak SAR (extrapolated) = 0.461 W/kg **SAR(1 g) = 0.310 mW/g ; SAR(10 g) = 0.201 mW/g** Maximum value of SAR (measured) = 0.330 mW/g 

Date/Time: 8/18/2008 1:22:03 PM

Test Laboratory: Sony Ericsson Mobile Communications International AB

Venus EU-RightHandSide-GSM850-Tilt-High**DUT: Venus; Type: DUT; Serial: #13061**

Communication System: GSM 850; Frequency: 848.8 MHz; Duty Cycle: 1:8.3

Medium parameters used: $f = 848.8 \text{ MHz}$; $\sigma = 0.87 \text{ mho/m}$; $\epsilon_r = 40.1$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

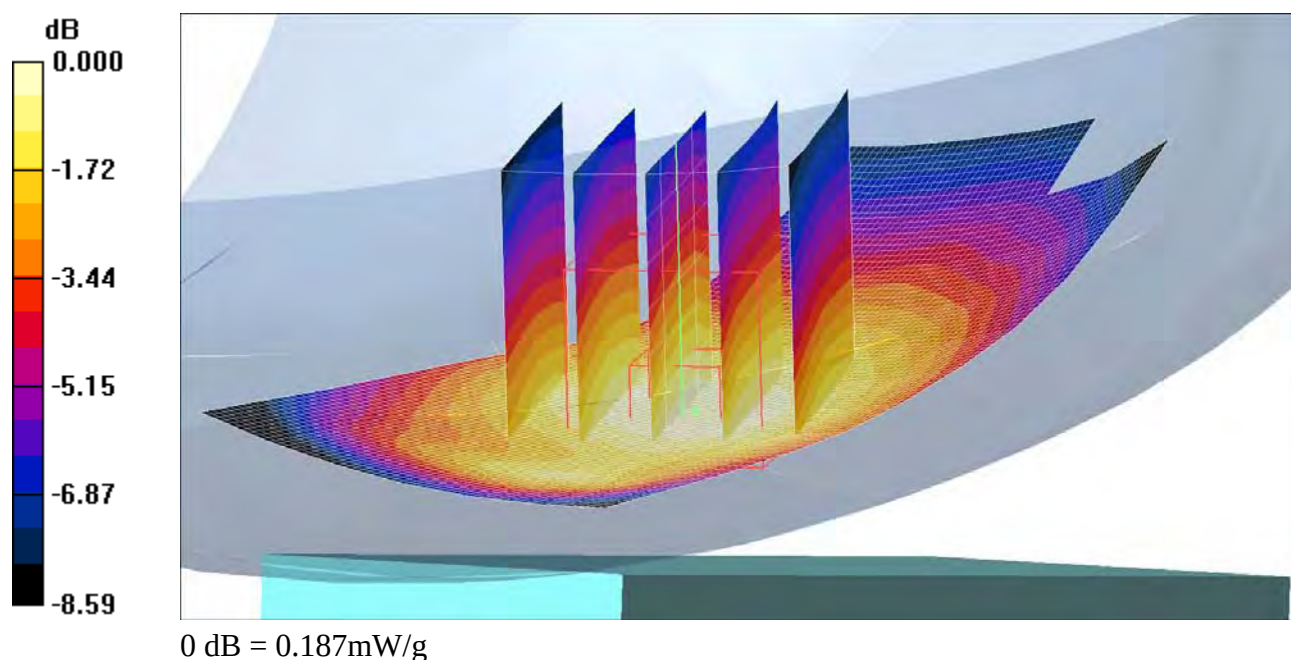
Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1611; ConvF(6.63, 6.63, 6.63); Calibrated: 12/17/2007
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn449; Calibrated: 12/19/2007
- Phantom: SAM-2; Type: SAM; Serial: 1025
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

Tilt position - High/Area Scan (61x111x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$
 Maximum value of SAR (interpolated) = 0.188 mW/g

Tilt position - High/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$,
 $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 11.5 V/m ; Power Drift = 0.198 dB Peak SAR (extrapolated) = 0.210 W/kg **SAR(1 g) = 0.175 mW/g ; SAR(10 g) = 0.131 mW/g** Maximum value of SAR (measured) = 0.187 mW/g 

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Test Laboratory: Sony Ericsson Mobile Communications International AB

Venus EU-RightHandSide-GSM850-Tilt-Low**DUT: Venus; Type: DUT; Serial: #13061**

Communication System: GSM 850; Frequency: 824.2 MHz; Duty Cycle: 1:8.3

Medium parameters used: $f = 824.2$ MHz; $\sigma = 0.84$ mho/m; $\epsilon_r = 40.4$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1611; ConvF(6.63, 6.63, 6.63); Calibrated: 12/17/2007
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn449; Calibrated: 12/19/2007
- Phantom: SAM-2; Type: SAM; Serial: 1025
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

Tilt position - Low/Area Scan (61x111x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.296 mW/g

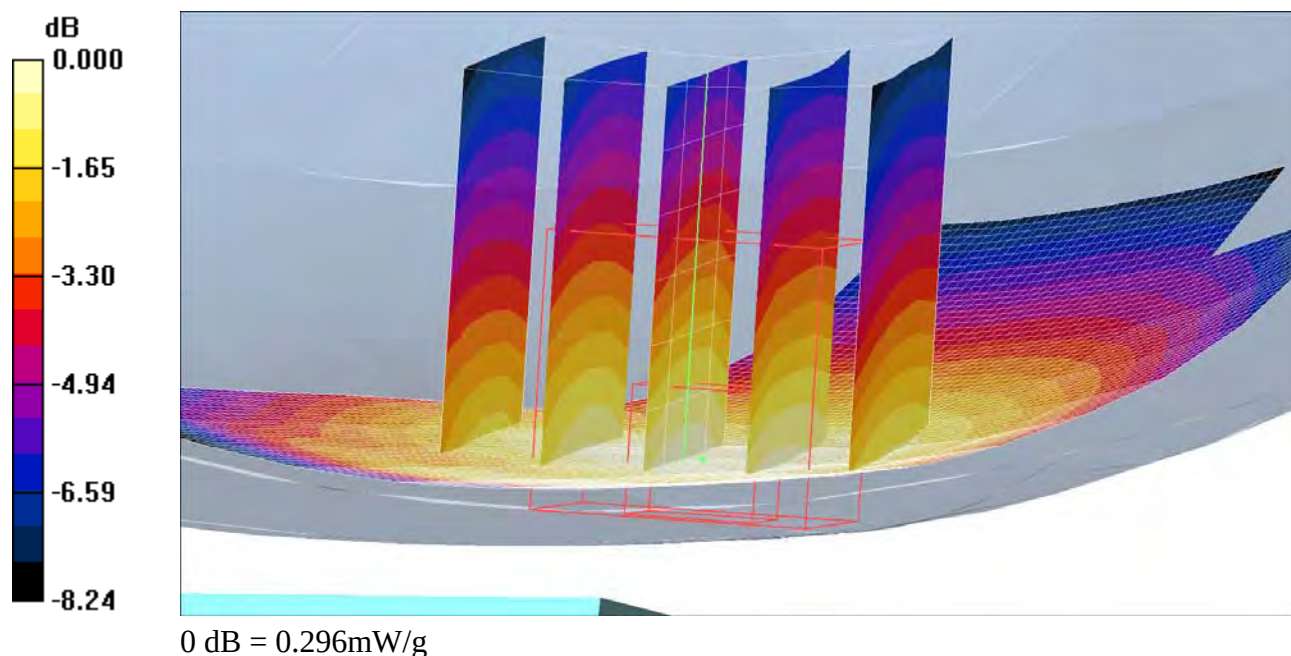
Tilt position - Low/Zoom Scan (5x5x7) (5x5x7)/cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.1 V/m; Power Drift = 0.053 dB

Peak SAR (extrapolated) = 0.332 W/kg

SAR(1 g) = 0.279 mW/g; SAR(10 g) = 0.212 mW/g

Maximum value of SAR (measured) = 0.296 mW/g



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Test Laboratory: Sony Ericsson Mobile Communications International AB

Venus EU-RightHandSide-GSM850-Tilt-Middle**DUT: Venus; Type: DUT; Serial: #13061**

Communication System: GSM 850; Frequency: 836.6 MHz; Duty Cycle: 1:8.3

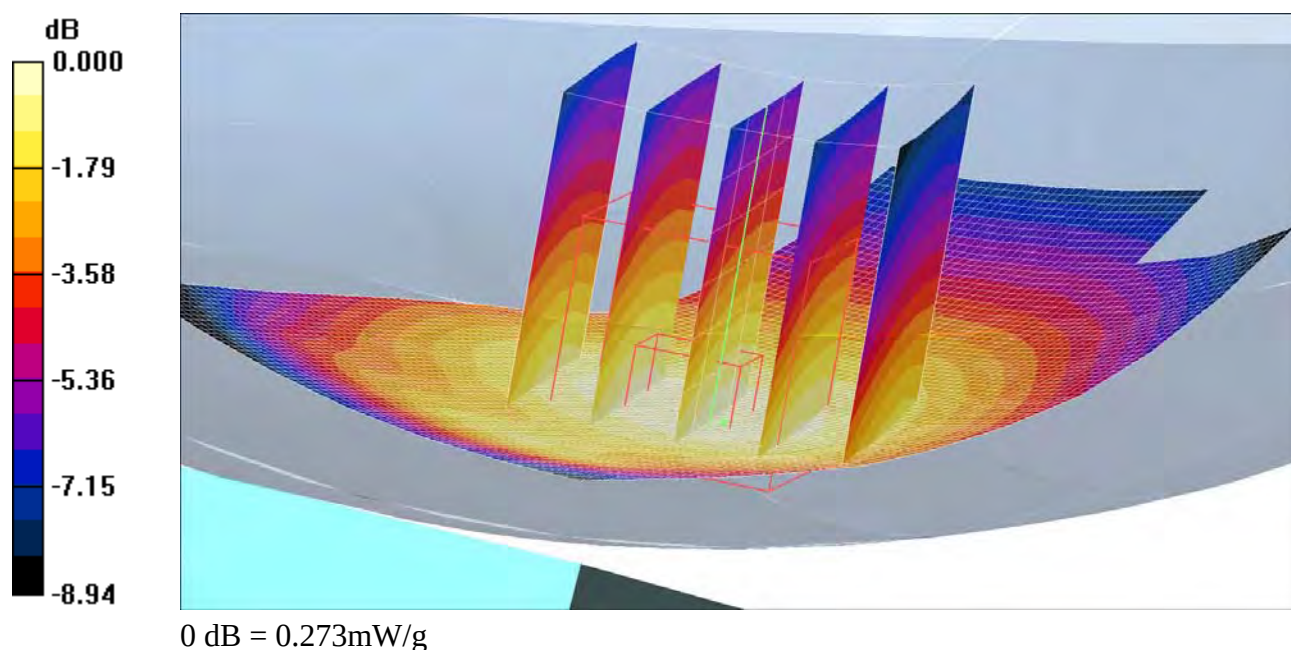
Medium parameters used: $f = 836.6$ MHz; $\sigma = 0.86$ mho/m; $\epsilon_r = 40.2$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1611; ConvF(6.63, 6.63, 6.63); Calibrated: 12/17/2007
 - Sensor-Surface: 4mm (Mechanical Surface Detection)
 - Electronics: DAE3 Sn449; Calibrated: 12/19/2007
 - Phantom: SAM-2; Type: SAM; Serial: 1025
 - Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172
- Tilt position - Middle/Area Scan (61x111x1):** Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.268 mW/g
- Tilt position - Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 0:** Measurement grid:
dx=8mm, dy=8mm, dz=5mm
Reference Value = 14.2 V/m; Power Drift = 0.041 dB
Peak SAR (extrapolated) = 0.310 W/kg
SAR(1 g) = 0.262 mW/g; SAR(10 g) = 0.198 mW/g
Maximum value of SAR (measured) = 0.273 mW/g



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Test Laboratory: Sony Ericsson Mobile Communications International AB

Venus EU-RightHandSide-GSM850-Touch-High**DUT: Venus; Type: DUT; Serial: #13061**

Communication System: GSM 850; Frequency: 848.8 MHz; Duty Cycle: 1:8.3

Medium parameters used: $f = 848.8$ MHz; $\sigma = 0.87$ mho/m; $\epsilon_r = 40.1$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1611; ConvF(6.63, 6.63, 6.63); Calibrated: 12/17/2007
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn449; Calibrated: 12/19/2007
- Phantom: SAM-2; Type: SAM; Serial: 1025
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

Touch - High/Area Scan (61x111x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.181 mW/g

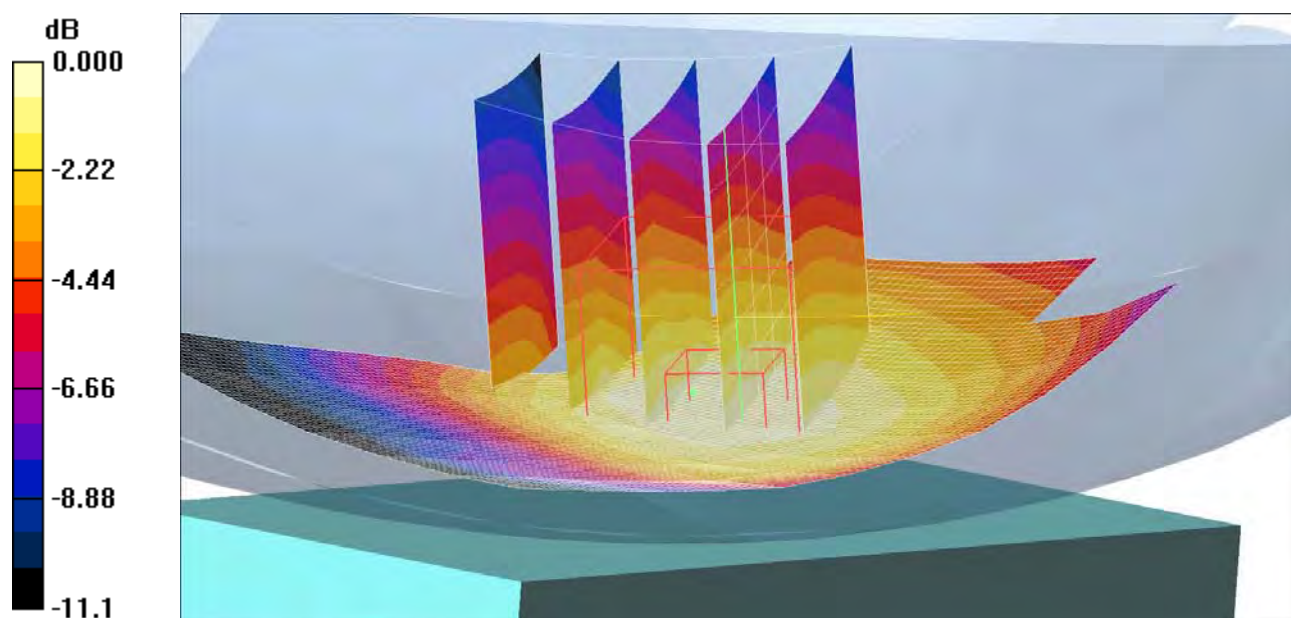
Touch - High/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.01 V/m; Power Drift = 0.136 dB

Peak SAR (extrapolated) = 0.214 W/kg

SAR(1 g) = 0.172 mW/g; SAR(10 g) = 0.126 mW/g

Maximum value of SAR (measured) = 0.182 mW/g



0 dB = 0.182mW/g

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Test Laboratory: Sony Ericsson Mobile Communications International AB

Venus EU-RightHandSide-GSM850-Touch-Low**DUT: Venus; Type: DUT; Serial: #13061**

Communication System: GSM 850; Frequency: 824.2 MHz; Duty Cycle: 1:8.3

Medium parameters used: $f = 824.2$ MHz; $\sigma = 0.84$ mho/m; $\epsilon_r = 40.4$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1611; ConvF(6.63, 6.63, 6.63); Calibrated: 12/17/2007
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn449; Calibrated: 12/19/2007
- Phantom: SAM-2; Type: SAM; Serial: 1025
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

Touch - Low/Area Scan (61x111x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.297 mW/g

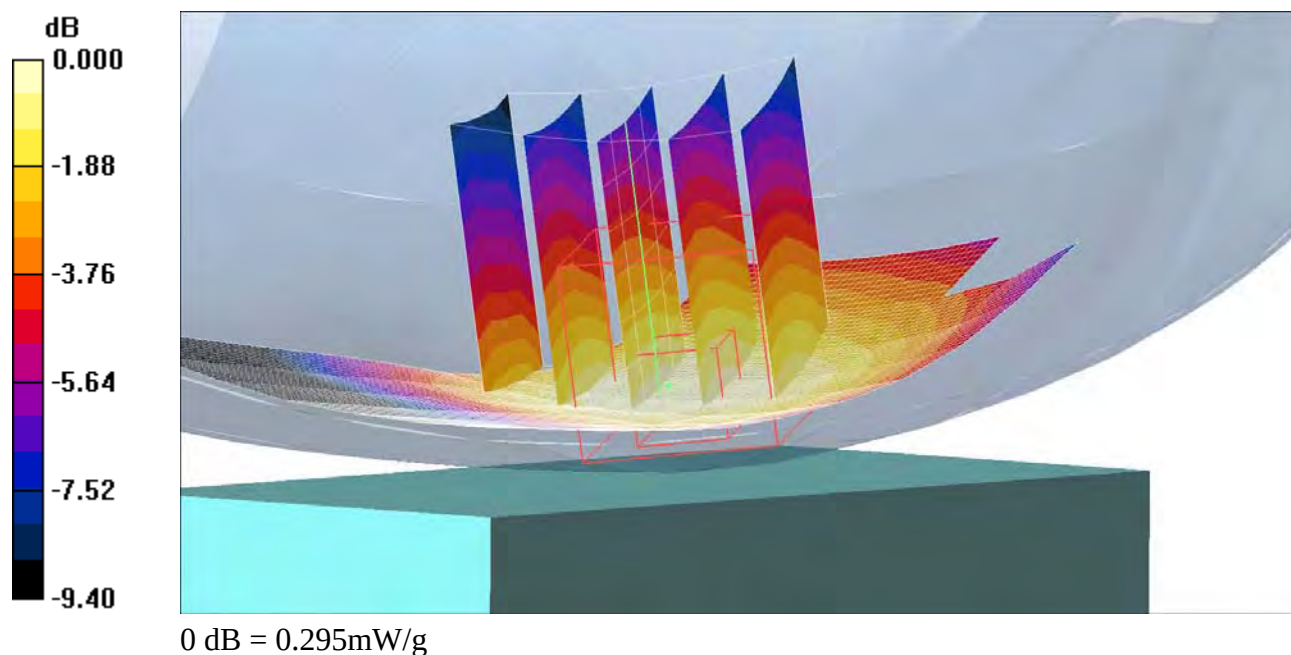
Touch - Low/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.21 V/m; Power Drift = 0.212 dB

Peak SAR (extrapolated) = 0.343 W/kg

SAR(1 g) = 0.278 mW/g; SAR(10 g) = 0.210 mW/g

Maximum value of SAR (measured) = 0.295 mW/g



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Test Laboratory: Sony Ericsson Mobile Communications International AB

Venus EU-RightHandSide-GSM850-Touch-Middle**DUT: Venus; Type: DUT; Serial: #13061**

Communication System: GSM 850; Frequency: 836.6 MHz; Duty Cycle: 1:8.3

Medium parameters used: $f = 836.6$ MHz; $\sigma = 0.86$ mho/m; $\epsilon_r = 40.2$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1611; ConvF(6.63, 6.63, 6.63); Calibrated: 12/17/2007
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn449; Calibrated: 12/19/2007
- Phantom: SAM-2; Type: SAM; Serial: 1025
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

Touch position - Middle/Area Scan (61x111x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.300 mW/g

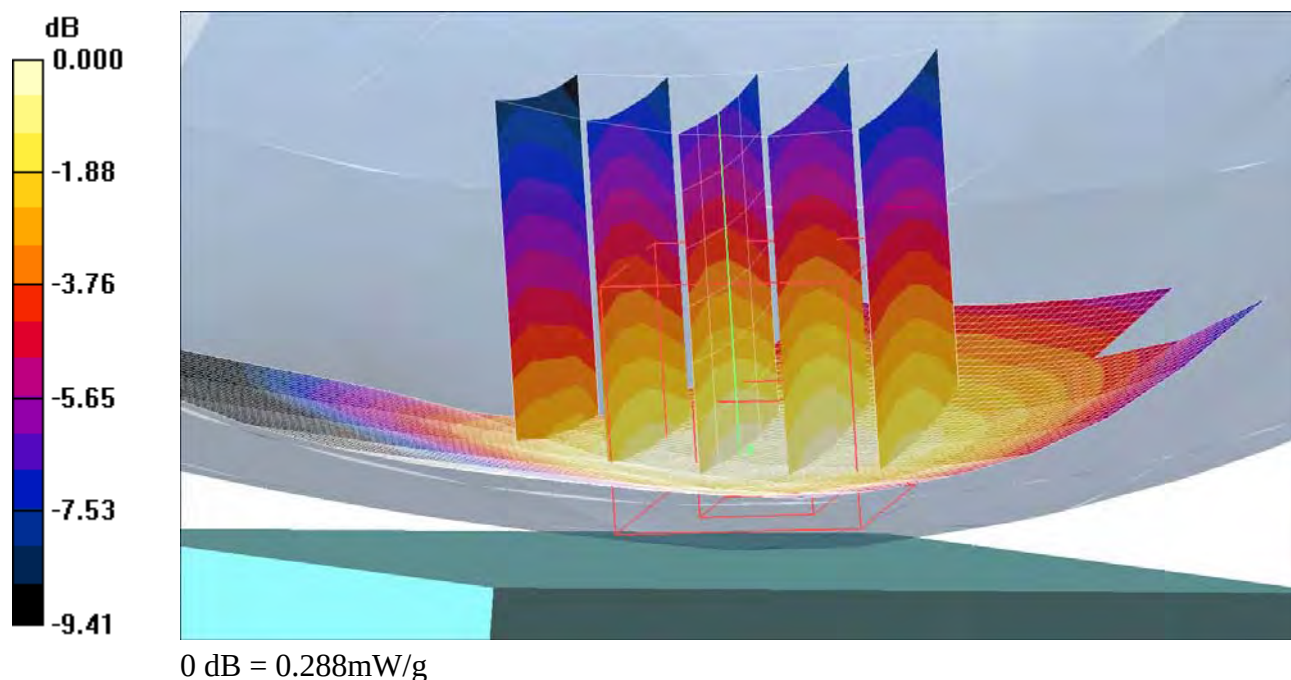
Touch position - Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.02 V/m; Power Drift = -0.175 dB

Peak SAR (extrapolated) = 0.333 W/kg

SAR(1 g) = 0.272 mW/g; SAR(10 g) = 0.202 mW/g

Maximum value of SAR (measured) = 0.288 mW/g



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Test Laboratory: Sony Ericsson Mobile Communications International AB

Venus EU-RightHandSide-UMTS2-High-Touch**DUT: Venus; Type: DUT; Serial: #13061**

Communication System: WCDMA Band 2; Frequency: 1907.6 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1907.6$ MHz; $\sigma = 1.47$ mho/m; $\epsilon_r = 38.2$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1611; ConvF(5.17, 5.17, 5.17); Calibrated: 12/17/2007
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn449; Calibrated: 12/19/2007
- Phantom: SAM-1; Type: SAM; Serial: 1437
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

Touch - High/Area Scan (61x111x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.833 mW/g

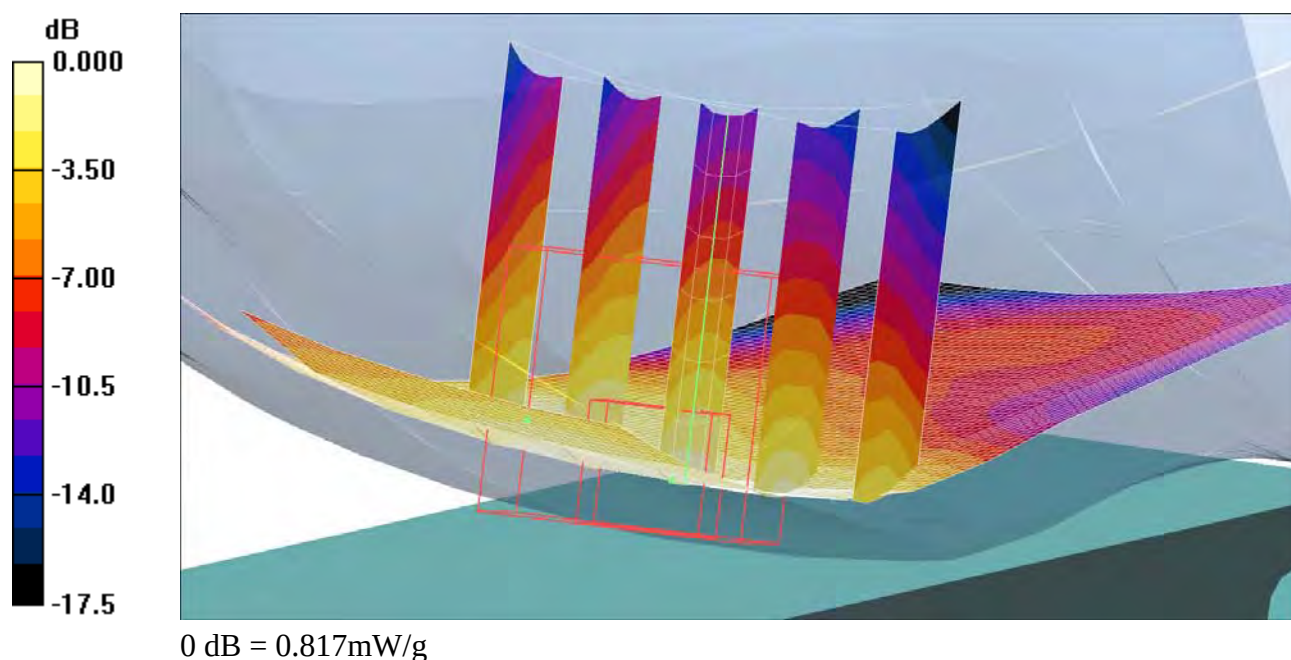
Touch - High/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.61 V/m; Power Drift = 0.083 dB

Peak SAR (extrapolated) = 1.19 W/kg

SAR(1 g) = 0.772 mW/g; SAR(10 g) = 0.496 mW/g

Maximum value of SAR (measured) = 0.817 mW/g



Date/Time: 8/22/2008 1:49:09 PM

Test Laboratory: Sony Ericsson Mobile Communications International AB

Venus EU-RightHandSide-UMTS2-Low-Touch**DUT: Venus; Type: DUT; Serial: #13061**

Communication System: WCDMA Band 2; Frequency: 1852.4 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1852.4$ MHz; $\sigma = 1.41$ mho/m; $\epsilon_r = 38.4$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1611; ConvF(5.17, 5.17, 5.17); Calibrated: 12/17/2007
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn449; Calibrated: 12/19/2007
- Phantom: SAM-1; Type: SAM; Serial: 1437
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

Touch - Low/Area Scan (61x111x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.843 mW/g

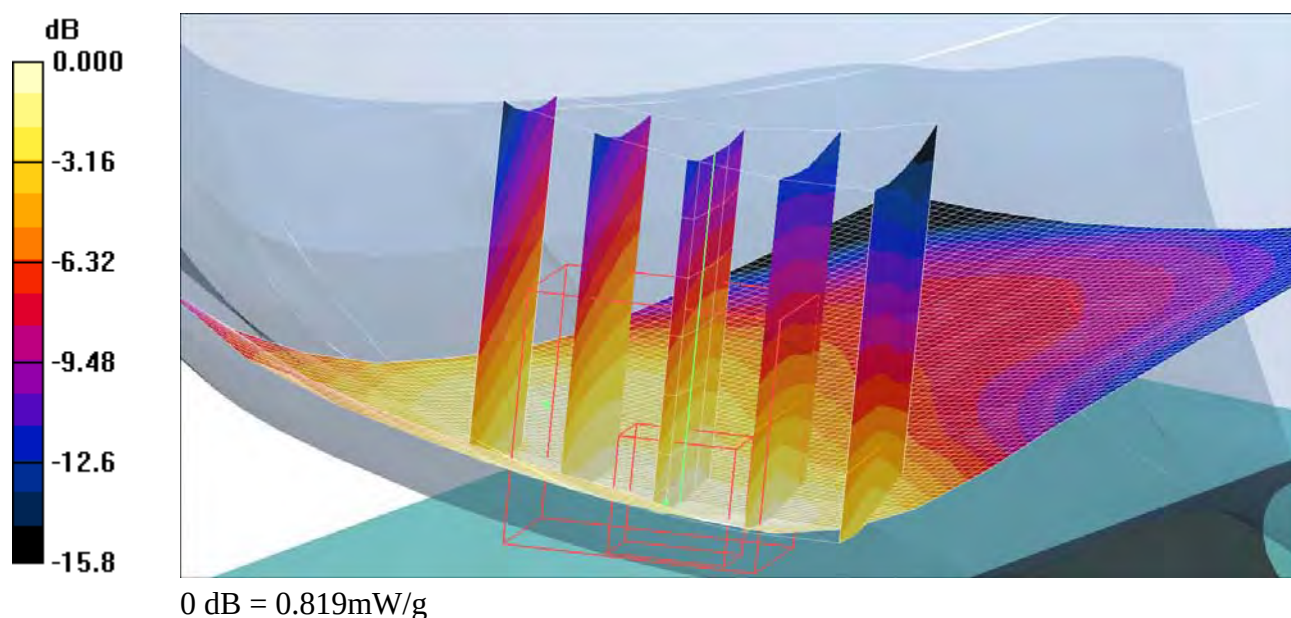
Touch - Low/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.13 V/m; Power Drift = 0.128 dB

Peak SAR (extrapolated) = 1.12 W/kg

SAR(1 g) = 0.761 mW/g; SAR(10 g) = 0.493 mW/g

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



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Test Laboratory: Sony Ericsson Mobile Communications International AB

Venus EU-RightHandSide-UMTS2-Middle-Tilt**DUT: Venus; Type: DUT; Serial: #13061**

Communication System: WCDMA Band 2; Frequency: 1880 MHz; Duty Cycle: 1:1

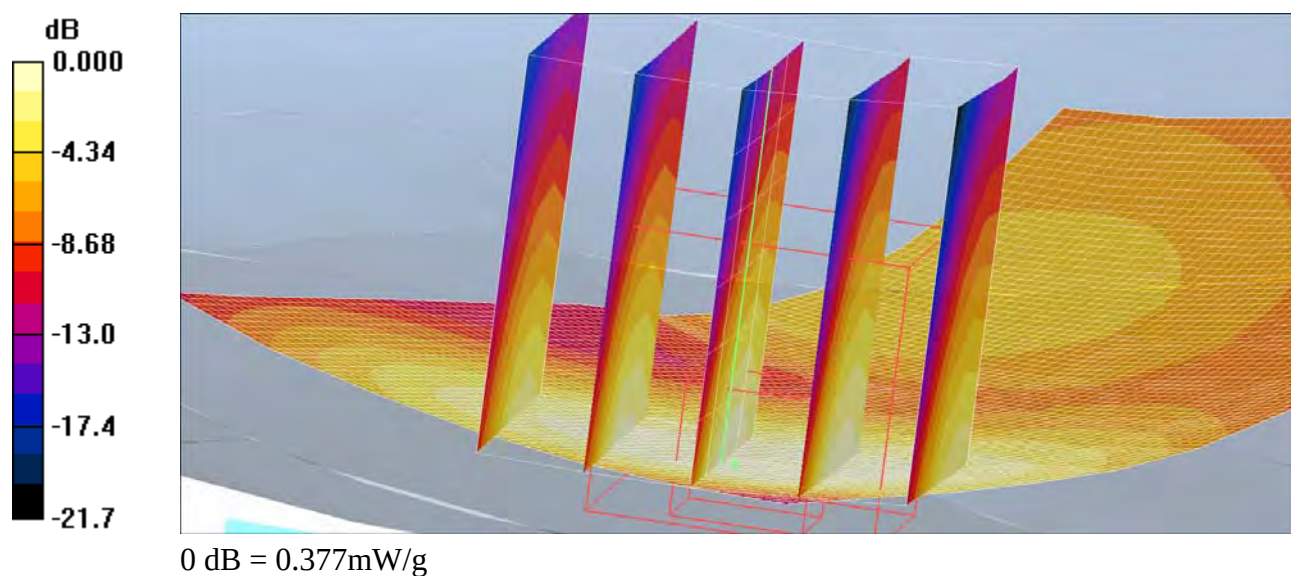
Medium parameters used: $f = 1880$ MHz; $\sigma = 1.44$ mho/m; $\epsilon_r = 38.3$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1611; ConvF(5.17, 5.17, 5.17); Calibrated: 12/17/2007
 - Sensor-Surface: 4mm (Mechanical Surface Detection)
 - Electronics: DAE3 Sn449; Calibrated: 12/19/2007
 - Phantom: SAM-1; Type: SAM; Serial: 1437
 - Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172
- Tilt position - Middle/Area Scan (61x111x1):** Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.392 mW/g
- Tilt position - Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 0:** Measurement grid:
dx=8mm, dy=8mm, dz=5mm
Reference Value = 14.6 V/m; Power Drift = 0.036 dB
Peak SAR (extrapolated) = 0.566 W/kg
SAR(1 g) = 0.357 mW/g; SAR(10 g) = 0.207 mW/g
Maximum value of SAR (measured) = 0.377 mW/g



Date/Time: 8/22/2008 2:22:12 PM

Test Laboratory: Sony Ericsson Mobile Communications International AB

Venus EU-RightHandSide-UMTS2-Middle-Touch**DUT: Venus; Type: DUT; Serial: #13061**

Communication System: WCDMA Band 2; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.44$ mho/m; $\epsilon_r = 38.3$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1611; ConvF(5.17, 5.17, 5.17); Calibrated: 12/17/2007
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn449; Calibrated: 12/19/2007
- Phantom: SAM-1; Type: SAM; Serial: 1437
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

Touch position - Middle/Area Scan (61x111x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.748 mW/g

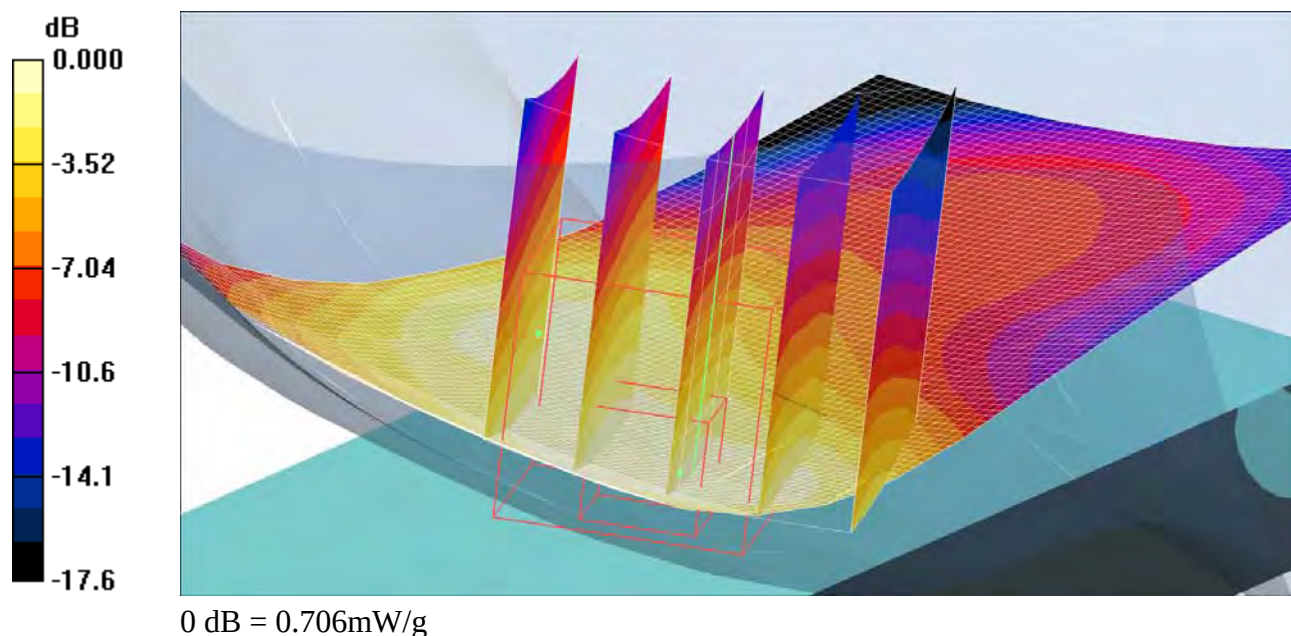
Touch position - Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.15 V/m; Power Drift = -0.038 dB

Peak SAR (extrapolated) = 0.976 W/kg

SAR(1 g) = 0.665 mW/g; SAR(10 g) = 0.425 mW/g

Maximum value of SAR (measured) = 0.706 mW/g



Date/Time: 8/28/2008 2:11:26 PM

Test Laboratory: Sony Ericsson Mobile Communications International AB

Venus EU-RightHandSide-WLAN-Fcc-High-Tilt**DUT: Venus; Type: DUT; Serial: #13062**

Communication System: WLAN; Frequency: 2462 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2462$ MHz; $\sigma = 1.88$ mho/m; $\epsilon_r = 37.5$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1611; ConvF(4.55, 4.55, 4.55); Calibrated: 12/17/2007
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn449; Calibrated: 12/19/2007
- Phantom: SAM-1; Type: SAM; Serial: 1437
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

Tilt - High/Area Scan (61x111x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.058 mW/g

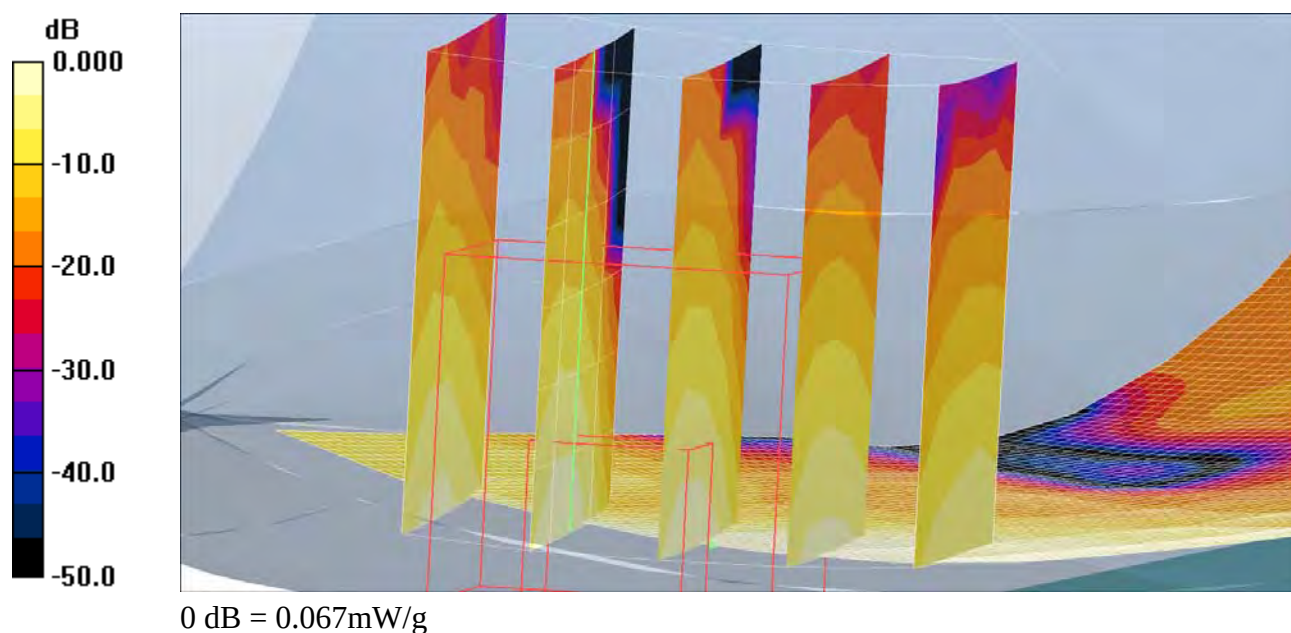
Tilt - High/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.20 V/m; Power Drift = -0.187 dB

Peak SAR (extrapolated) = 0.146 W/kg

SAR(1 g) = 0.064 mW/g; SAR(10 g) = 0.029 mW/g

Maximum value of SAR (measured) = 0.067 mW/g



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Test Laboratory: Sony Ericsson Mobile Communications International AB

Venus EU-RightHandSide-WLAN-Low-Tilt**DUT: Venus; Type: DUT; Serial: #13062**

Communication System: WLAN; Frequency: 2412 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2412$ MHz; $\sigma = 1.88$ mho/m; $\epsilon_r = 37.5$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1611; ConvF(4.55, 4.55, 4.55); Calibrated: 12/17/2007
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn449; Calibrated: 12/19/2007
- Phantom: SAM-1; Type: SAM; Serial: 1437
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

Tilt - Low/Area Scan (61x111x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.081 mW/g

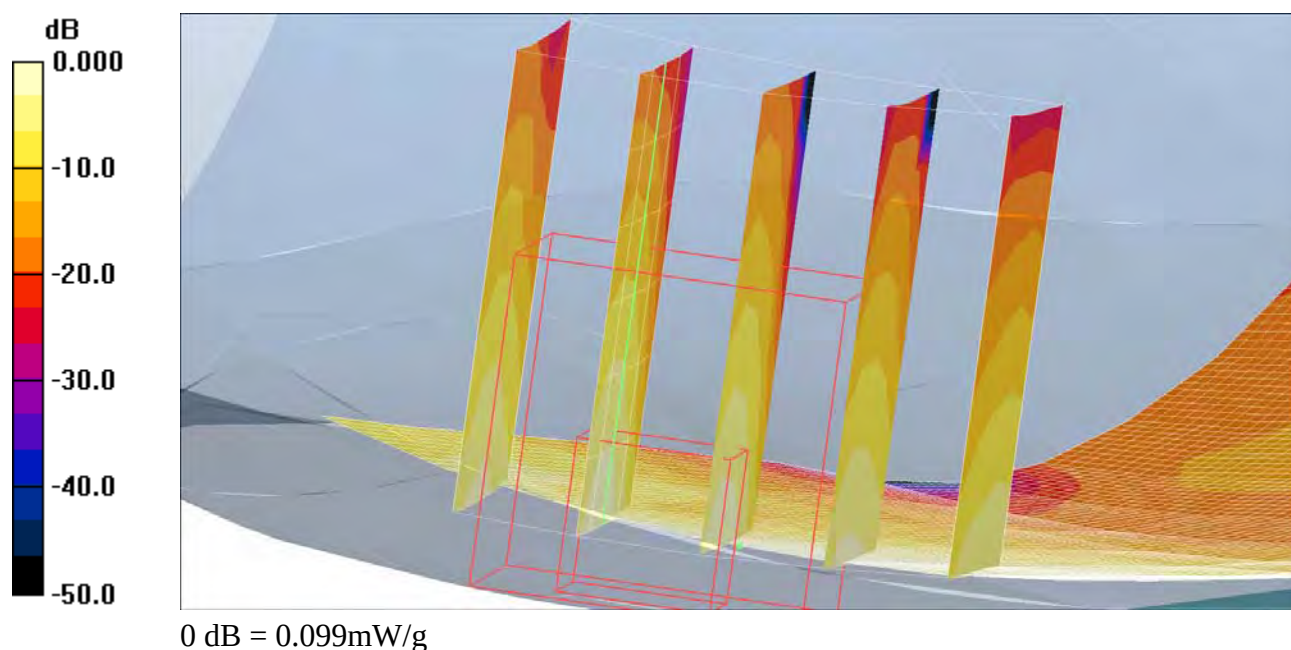
Tilt - Low/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.82 V/m; Power Drift = -0.149 dB

Peak SAR (extrapolated) = 0.209 W/kg

SAR(1 g) = 0.093 mW/g; SAR(10 g) = 0.043 mW/g

Maximum value of SAR (measured) = 0.099 mW/g



Date/Time: 8/28/2008 1:31:43 PM

Test Laboratory: Sony Ericsson Mobile Communications International AB

Venus EU-RightHandSide-WLAN-Middle-Tilt**DUT: Venus; Type: DUT; Serial: #13062**

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

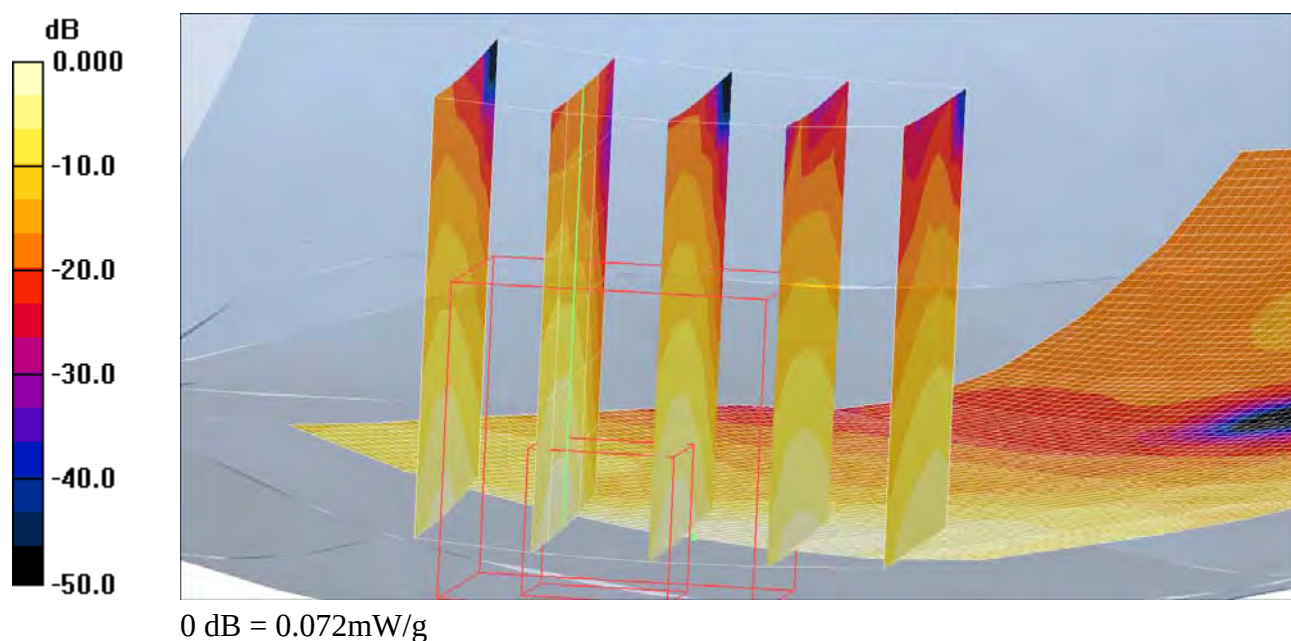
Medium parameters used: $f = 2437$ MHz; $\sigma = 1.88$ mho/m; $\epsilon_r = 37.5$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1611; ConvF(4.55, 4.55, 4.55); Calibrated: 12/17/2007
 - Sensor-Surface: 4mm (Mechanical Surface Detection)
 - Electronics: DAE3 Sn449; Calibrated: 12/19/2007
 - Phantom: SAM-1; Type: SAM; Serial: 1437
 - Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172
- Tilt position - Middle/Area Scan (61x111x1):** Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.062 mW/g
- Tilt position - Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 0:** Measurement grid:
dx=8mm, dy=8mm, dz=5mm
Reference Value = 4.34 V/m; Power Drift = -0.155 dB
Peak SAR (extrapolated) = 0.156 W/kg
SAR(1 g) = 0.069 mW/g; SAR(10 g) = 0.032 mW/g
Maximum value of SAR (measured) = 0.072 mW/g



Date/Time: 8/28/2008 1:15:35 PM

Test Laboratory: Sony Ericsson Mobile Communications International AB

Venus EU-RightHandSide-WLAN-Middle-Touch**DUT: Venus; Type: DUT; Serial: #13062**

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

Medium parameters used: $f = 2437$ MHz; $\sigma = 1.88$ mho/m; $\epsilon_r = 37.5$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1611; ConvF(4.55, 4.55, 4.55); Calibrated: 12/17/2007
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn449; Calibrated: 12/19/2007
- Phantom: SAM-1; Type: SAM; Serial: 1437
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

Touch position - Middle/Area Scan (61x111x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.033 mW/g

Touch position - Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 3.40 V/m; Power Drift = -0.189 dB

Peak SAR (extrapolated) = 0.080 W/kg

SAR(1 g) = 0.037 mW/g; SAR(10 g) = 0.017 mW/g

Maximum value of SAR (measured) = 0.040 mW/g

