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		No.		
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BA/SEMC/CCMVAU *Rob Carr*		*CCDA09:596.*		
Approved	Checked	Date	Rev	Reference
LD/SEMC/CCMVALEC *Peter Lindeborg*	PL	*091124*	B	File

Report issued by Accredited SAR Laboratory

for

FCC ID: PY7A3880056 (X10i)

Date of test:	October 8th to November 16th 2009

Correcting: **Date of test:** October 8th to November 16th 2009

Laboratory:	Sony Ericsson SAR Test Laboratory Sony Ericsson Mobile Communications AB Maplewood, Chineham Business Park Basingstoke, RG24 8YB, England
Testing Engineer:	Robert Carr Robert.Carr@sonyericsson.com +44 1256 77 48 91
Testing Approval:	Peter Lindeborg peter.lindeborg@sonyericsson.com +46 10 802 43 68

Statement of Compliance

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

Sony Ericsson Type AAD-3880056-BV; FCC ID PY7A3880056; IC 4170B-A3880056

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)

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1 Introduction

In this test report, compliance of the Sony Ericsson FCC ID: PY7A3880056 (X10i) 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 Japan
Address:	W Building 1-8-15 Konan Tokyo 108-0075 Japan
Contact Name:	Atsuya Mori

3 Device Under Test

3.1 Antenna Description

Type	Internal antenna	
Location	Bottom of phone	
Main and WLAN antennas distance	96.0 mm	
Dimensions	Max length	8 mm
	Max width	50 mm
Configuration	Monopole Antenna	

![Sony Ericsson logo]

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3.2 Device Description

Device model	AAD-3880056-BV					
Market name	X10i					
Serial number (EUT #)	CB511EA2QL (#16447) CB511ECHQ0 (#16745) - WLAN					
Mode	GSM 850			GSM 1900		
Crest factor	8.3			8.3		
Multiple access scheme	TDMA			TDMA		
Channel No.	128	190	251	512	661	885
Measured Power Level [dBm] [1] **(#16447)**	32.2	32.3	32.2	30.4	30.4	30.4
Product Maximum power Level [dBm] [1]	32.3	32.3	32.3	30.5	30.5	30.5
Data mode	GPRS			GPRS		
Crest factor	4.15			4.15		
Measured Power Level [dBm] [1] **(#16447)**	30.7	30.7	30.6	30.3	30.4	30.4
Product Maximum power Level [dBm] [1]	30.8	30.8	30.8	28.0	28.0	28.0
Crest factor	3.1125			3.1125		
Measured Power Level [dBm] [1] **(#16447)**	29.8	29.8	29.7	26.8	26.8	26.8
Product Maximum power Level [dBm] [1]	29.8	29.8	29.8	27.0	27.0	27.0
Crest factor	2.075			2.075		
Measured Power Level [dBm] [1] **(#16447)**	28.8	28.8	28.7	25.4	25.4	25.4
Product Maximum power Level [dBm] [1]	28.8	28.8	28.8	25.5	25.5	25.5
Data mode	EDGE			EDGE		
Crest factor	4.15			4.15		
Measured Power Level [dBm] [1] **(#16447)**	26.0	26.0	25.8	24.9	24.9	24.9
Product Maximum power Level [dBm] [1]	26.0	26.0	26.0	25.0	25.0	25.0
Crest factor	3.1125			3.1125		
Measured Power Level [dBm] [1] **(#16447)**	24.9	24.9	24.8	23.9	23.9	23.9
Product Maximum power Level [dBm] [1]	25.0	25.0	25.0	24.0	24.0	24.0
Crest factor	2.075			2.075		
Measured Power Level [dBm] [1] **(#16447)**	23.9	23.9	23.8	22.9	22.9	22.8
Product Maximum power Level [dBm] [1]	24.0	24.0	24.0	23.0	23.0	23.0
Transmitting frequency range [MHz]	824.0 - 849.0			1850.0 - 1910.0		

[1] These values are supplied by the customer

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Mode	UMTS 4		
Crest factor	1		
Multiple access scheme	WCDMA		
Channel No.	1312	1413	1513
Measured Power Level [dBm] [1] (#16447)	23,3	23,4	23,4
Product Maximum power Level [dBm][1]	23,5	23,5	23,5
Data Mode	(See section 3.3)		
Transmitting frequency range [MHz]	1712,4 – 1752,6		

GPRS Multislot class	*12*
EDGE class	12
GPRS Capability class	B
BT class and conducted power	Class 1, 8.8 dBm
Prototype or production unit	Preproduction
Hardware Version	AP2 (#16447) , (#16745 WLAN Sample)
Software version	R1AA023
Device category	Portable
RF exposure environment	General population / uncontrolled

WLAN Output Power					
Mode	Max Output Power [1] (dBm)	Factory Tolerance [1] (dB)	EUT (#16745) power (dBm) [1]		
			Ch 1	Ch6	Ch11
802.11b 1Mbit/sec	14.5	1	14.4	14.6	15.0
802.11b 2Mbit/sec			14.4	14.6	15.0
802.11b 5.5Mbit/sec			14.4	14.6	15.0
802.11b 11Mbit/sec			14.4	14.4	15.0
802.11g 6Mbit/sec	14.8	1	14.5	14.7	14.9
802.11g 9Mbit/sec			14.4	14.6	15.0
802.11g 12Mbit/sec			14.4	14.6	14.9
802.11g 18Mbit/sec			14.5	14.3	14.9
802.11g 24Mbit/sec			14.6	14.4	15.0
802.11g 36Mbit/sec			14.3	14.3	15.0
802.11g 48Mbit/sec			14.4	14.4	14.9
802.11g 54Mbit/sec			14.5	14.6	14.9

[1] These values are supplied by the customer

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3.3 HSPA Power Characteristics

The conducted power of the device was confirmed in two UMTS circuit switched modes (RMC and Voice) and four HSDPA modes. A CMU-200 was used to establish the call processing and modulation settings and an RF power meter was used for measurement. For all HSDPA measurements, the following settings were applied:

H-SET3 QPSK
CQI feedback=2msec
$\triangle$ACK= $\triangle$NACK= $\triangle$CQI=8

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

EUT #16447   1712,4   1732,6   1752,6

					Band 4		
	β_C	β_D	ΔHS	max->	23,5	23,5	23,5
CS - RMC	8	15	-		23.3	23.4	23.4
CS - voice	8	15	-		23.3	23.4	23.4
HSDPA - 1	2	15	8		23.4	23.6	23.7
HSDPA - 2	12	15	8		23.4	23.5	23.5
HSDPA - 3	15	8	8		22.9	23.1	23.1
HSDPA - 4	15	4	8		22.9	23.1	23.1

The measured 1-gram averaged SAR values of the device against head and body are provided in tables 3 and 4. For head and body measurement, the unit was measured in the following (CS) voice modes:

RMC=12.2, β_c=8, β_d=15

For body measurement, the unit was measured according FCC guidance with following HSDPA settings:

RMC=12.2, β_c=9, β_d=15, $\triangle$ACK=5, $\triangle$NACK=5, $\triangle$CQI=2

![Sony Ericsson]

In HSUPA mode, additional code channels (E-DPCCH, E-DPDCHn) are added for data transfer in the uplink at higher bit rates.

5 sub-tests are defined by 3GPP TS 34.121 [7] according to the following table:

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

Note 1: $\Delta_{ACK}, \Delta_{NACK}, \Delta_{CQI} = 8 \iff A_{hs} = \beta_{hs}/\beta_c = 30/15 \iff \beta_{hs} = 30/15 * \beta_c$
Note 2: CM = 1 for β_c/β_d = 12/15, β_{hs}/β_c = 24/15. For all other combinations of DPDCH, DPCCH, HS-DPCCH, E-DPDCH and E-DPCCH the MPR is based on the relative CM difference
Note 3: For sub-test 1 the β_c/β_d ratio of 11/15 for the TFC during the measurement period (TF1, TF0) is achieved by setting the signalled gain factors for the reference TFC (TF1, TF1) to β_c = 10/15 and β_d = 15/15
Note 4: For sub-test 5 the β_c/β_d ratio of 15/15 for the TFC during the measurement period (TF1, TF0) is achieved by setting the signalled gain factors for the reference TFC (TF1, TF1) to β_c = 14/15 and β_d = 15/15
Note 5: Testing UE using E-DPDCH Physical Layer category 1 sub-test 3 is not required according to TS 25.306 Table 5.1g
Note 6: β_{ed} cannot be set directly; it is set by Absolute Grant Value

EUT #16447		1712,4 (Band4)	1732,6 (Band4)	1752,6 (Band4)
		Band 4		
	max->	23,5	23,5	23,5
HSUPA - Sub-test 1		22.4	23.3	23.0
HSUPA - Sub-test 2		21.6	21.9	21.6
HSUPA - Sub-test 3		22.3	21.9	22.2
HSUPA - Sub-test 4		21.7	21.9	22.2
HSUPA - Sub-test 5		23.3	23.4	23.0

NOTE: None of the HSDPA/HSUPA settings leads to conducted power values exceeding the conducted power in RMC mode by more than 0.25 dB.
So no additional SAR measurements are required for those test modes.

NOTE: According to the subtest settings shown in Table above a Maximum Power Reduction (MPR) of up to 2dB can be expected in HSUPA subtest 2 - 4. The WCDMA measurement results may show a lower power reduction depending on the chipset features of the DUT.

NOTE: Reference PBA case number #703553

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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	448	2009-11
DASY4 DAE3	449	2009-12
E-field probe ET3DV6	1610	2009-11
E-field probe ET3DV6	1611	2009-12
Dipole Validation Kit, D835V2	442	2009-12
Dipole Validation Kit, D1800V2	297	2011-03
Dipole Validation Kit, D1900V2	539	2009-12
Dipole Validation Kit, D2450V2	721	2009-12

4.2 Additional equipment

Description	Inventory Number	Due Date
Signal generator HP E4433B	1.045	2010-04
Directional coupler HP778D	15.233	None
Power meter R&S NRVD	4.073	2010-04
Power sensor R&S NRV-Z5	4.074	2010-04
Power sensor R&S NRV-Z5	4.076	2010-04
Network analyzer Agilent 8719D	2.022	2010-04
Dielectric probe kit HP8507C	14.046	Self Cal
R&S CMU200	20010943	2010-04

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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/cm³]
835	Head	Measured, 2009-10-08	41.60	0.90	1.00
		Recommended	41.50	0.90	1.00
835	Body	Measured, 2009-10-09	52.53	0.97	1.00
		Recommended	55.20	0.97	1.00
1900	Head	Measured, 2009-10-14	38.05	1.46	1.00
		Recommended	40.00	1.40	1.00
1900	Body	Measured, 2009-10-15	50.71	1.59	1.00
		Recommended	53.30	1.52	1.00
1800	Head	Measured, 2009-10-16	38.65	1.37	1.00
		Recommended	40.00	1.40	1.00
1800	Body	Measured, 2009-10-22	51.05	1.46	1.00
		Recommended	53.30	1.52	1.00
2450	Head	Measured, 2009-11-16	37.38	1.89	1.00
		Recommended	39.20	1.80	1.00
2450	Body	Measured, 2009-11-13	50.46	2.03	1.00
		Recommended	52.70	1.95	1.00

6   System accuracy verification

A system accuracy verification of the DASY4 was performed using the dipole validation kit listed in section 4.1. The system verification test was conducted on the same day as the measurement of the DUT. The ambient humidity and temperature of test facility were kept between the range 30-70% and 20.0-25.0 °C respectively.
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	Dielectric Parameters		Density	Liquid T[°C]
				ε_r	σ [S/m]	ρ [g/cm³]	
835	Head	Measured, 2009-10-08	9.96	41.60	0.90	1.00	22.2
		Reference	9.34	41.50	0.90	1.00	22.0
835	Body	Measured, 2009-10-09	10.12	52.53	0.97	1.00	22.2
		Reference	9.85	55.20	0.97	1.00	22.0
1900	Head	Measured, 2009-10-14	38.80	38.05	1.46	1.00	22.2
		Reference	41.30	40.00	1.40	1.00	22.0
1900	Body	Measured, 2009-10-15	42.00	50.71	1.59	1.00	21.7
		Reference	41.30	53.30	1.52	1.00	22.0
1800	Head	Measured, 2009-10-16	34.68	38.65	1.37	1.00	22.6
		Reference	37.2	40.00	1.40	1.00	22.0
1800	Body	Measured, 2009-10-22	37.64	51.05	1.46	1.00	22.4
		Reference	37.8	53.30	1.52	1.00	22.0
2450	Head	Measured, 2009-11-16	52.8	37.38	1.89	1.00	21.9
		Reference	54.10	39.20	1.80	1.00	22.0
2450	Body	Measured, 2009-11-13	55.6	50.46	2.03	1.00	21.7
		Reference	53.10	52.70	1.95	1.00	22.0

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7   SAR measurement uncertainty

SAR measurement uncertainty evaluation for Sony Ericsson PY7A3880056 (X10i) 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 kept between the range 30-70% and 20.0-25.0 °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.

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 HPM-75 was connected to the DUT. The measured 1-gram averaged SAR values of the DUT towards the body are provided in Table 2.

Band	Channel	Measured output power[1] [dBm]	Position	Liquid T [°C]	Measured SAR [W/kg]	
					Left-hand 1g mass	Right-hand 1g mass
GSM 850	128	32.2	Cheek	22.2	0.31	0.32
			Tilt	22.2	-	-
	190	32.3	Cheek	22.2	0.37	0.38
			Tilt	22.2	0.23	0.26
	251	32.2	Cheek	22.2	**0.52**	0.48
			Tilt	22.2	-	-
GSM 1900	512	30.4	Cheek	22.2	0.66	0.55
			Tilt	22.2	-	-
	661	30.4	Cheek	22.2	0.82	0.70
			Tilt	22.2	0.36	0.30
	810	30.4	Cheek	22.2	**0.87**	0.77
			Tilt	22.2	-	-
UMTS IV	1312	23.3	Cheek	22.6	0.92	0.59
			Tilt	22.6	-	-
	1413	23.4	Cheek	22.6	0.91	0.63
			Tilt	22.6	0.45	0.40
	1513	23.4	Cheek	22.6	**0.99**	0.74
			Tilt	22.6	-	-
WLAN 802.11b 1 Mbps	1	14.4	Cheek	21.9	0.26	0.38
			Tilt	21.9	-	-
	6	14.6	Cheek	21.9	0.33	**0.46**
			Tilt	21.9	0.24	0.28
	11	15.0	Cheek	21.9	0.29	0.39
			Tilt	21.9	-	-

Table 1: SAR measurement result for Sony Ericsson PY7A3880056 *telephone* at highest possible output power. Measured towards the head.

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[1] Measured output values were provided by the customer.

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Band	Channel	Measured output power[1] [dBm]	Position / Mode	Liquid T [°C]	Measured SAR [W/kg] 1g mass
GSM 850	128	32.2	Back / Speech	22.2	0.46
		28.8	Back / GPRS x4 Slot	22.2	0.84
	190	32.3	Back / Speech	22.2	0.55
		30.7	Back / GPRS x2 Slot	22.2	0.76
		29.8	Back / GPRS x3 Slot	22.2	0.94
		28.8	Back / GPRS x4 Slot	22.2	0.98
	251	32.2	Back / Speech	22.2	0.62
		32.2	Back / PHF	22.2	0.42
		28.7	Back / GPRS x4 Slot	22.2	**1.10**
		23.8	Back / EDGE	22.2	0.35
		28.7	GPRS x4 / Front To Phantom	22.2	0.81
GSM 1900	512	30.4	Back / Speech	21.7	0.49
		26.8	Back / GPRS x3 Slot	21.7	0.61
	661	30.4	Back / Speech	21.7	0.57
		27.8	Back / GPRS x2 Slot	21.7	0.61
		26.8	Back / GPRS x3 Slot	21.7	0.71
		25.4	Back / GPRS x4 Slot	21.7	0.66
	810	30.4	Back / Speech	21.7	0.63
		30.4	Back / PHF	21.7	0.63
		26.8	Back / GPRS x3 Slot	21.7	**0.81**
		23.9	Back / EDGE	21.7	0.40
		26.8	GPRS x3 / Front To Phantom	21.7	0.73
UMTS4	1312	23.3	Back / Speech	22.4	0.85
		23.5	Back / HSDPA	22.4	0.69
	1413	23.4	Back / Speech	22.4	0.84
		23.5	Back / HSDPA	22.4	0.70
	1513	23.4	Back / Speech	22.4	**1.02**
		23.4	Back / PHF	22.4	0.97
		23.6	Back / HSDPA	22.4	0.86
		23.6	Back / HSUPA	22.4	0.86
		23.4	Speech / Front to Phantom	22.4	0.82
WLAN	1	14.4	Back / WLAN	21.7	0.02
	6	14.6	Back / WLAN	21.7	0.03
			Front to Phantom	21.7	**0.05**
	11	15.0	Back / WLAN	21.7	0.03

Table 2: SAR measurement result for Sony Ericsson PY7A3880056 *telephone* at highest possible output power. Measured towards the body.

![Sony Ericsson logo]

Company Internal
REPORT

Prepared (also subject responsible if other)		No.		
BA/SEMC/CCMVAU *Rob Carr*		*CCDA09:596.*		
Approved	Checked	Date	Rev	Reference
LD/SEMC/CCMVALEC *Peter Lindeborg*	PL	*091124*	B	File

[1] Measured output values were provided by the customer.

9   References

[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.

![Sony Ericsson logo]

Company Internal
REPORT

		No.		
Prepared (also subject responsible if other)				
BA/SEMC/CCMVAU *Rob Carr*		*CCDA09:596.*		
Approved	Checked	Date	Rev	Reference
LD/SEMC/CCMVALEC *Peter Lindeborg*	PL	*091124*	B	File

Appendix

9.1   Photographs of the device under test

Front & Back

Back Open

Sides

Top & Bottom

9.2   Device position at SAM Twin Phantom

DUT position towards the head: Cheek (touch) position

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

DUT position towards the body with Slider Closed and 15 mm distance

		Company Internal REPORT		
Prepared (also subject responsible if other)		No.		
BA/SEMC/CCMVAU *Rob Carr*		*CCDA09:596.*		
Approved	Checked	Date	Rev	Reference
LD/SEMC/CCMVALEC *Peter Lindeborg*	PL	*091124*	B	File

9.3 Attachments

- System validation

- Measurement plots for head and body position

- Probe calibration

- Dipole calibration

Date/Time: 10/8/2009 10:21:49 AM

Test Laboratory: Sony Ericsson Mobile Communications International AB

Validation-D850-08-10-09

DUT: Dipole 835 MHz; Type: D835V2; Serial: D835V2 - SN:442

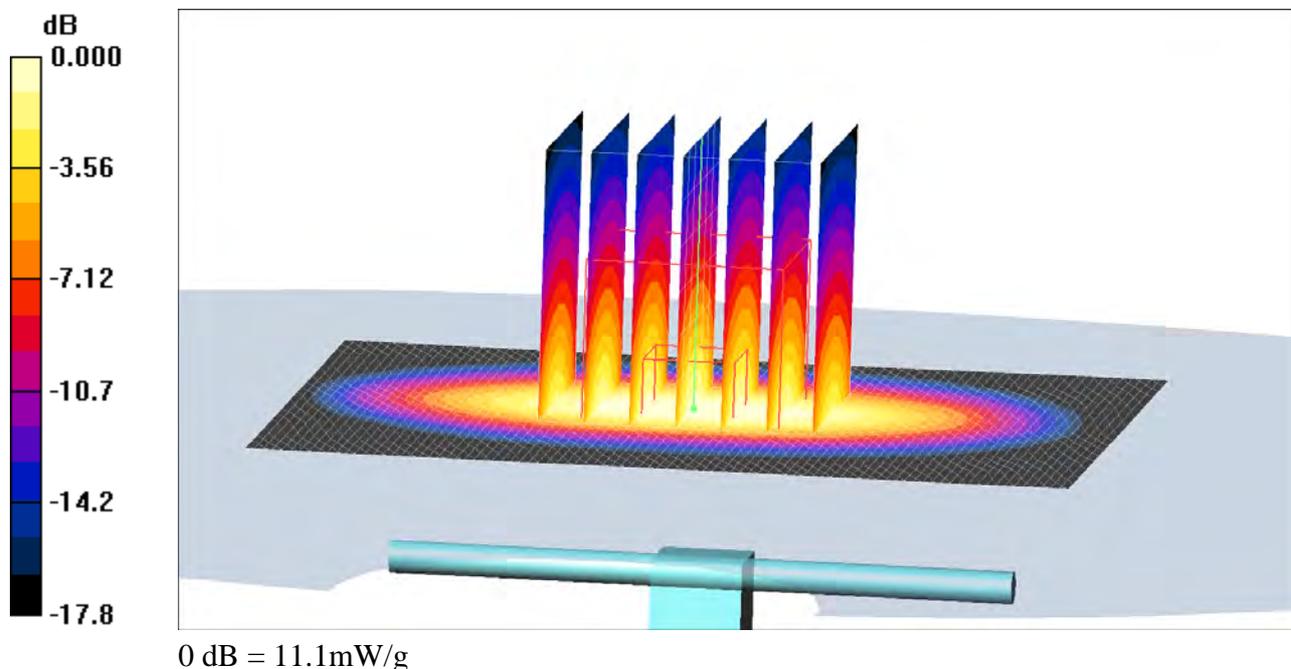Communication System: CW; Frequency: 835 MHz;Duty Cycle: 1:1
Medium parameters used: f = 835 MHz; σ = 0.9 mho/m; ε_r = 41.6; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1610; ConvF(6.2, 6.2, 6.2); Calibrated: 11/7/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn448; Calibrated: 11/5/2008
- 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) = 2.68 mW/g
  d=15mm, Pin=250mW/Zoom Scan (7x7x7) (5x5x7)/Cube 0: Measurement grid:
  dx=8mm, dy=8mm, dz=5mm
  Reference Value = 56.7 V/m; Power Drift = 0.001 dB
  Peak SAR (extrapolated) = 3.47 W/kg
  SAR(1 g) = 2.49 mW/g; SAR(10 g) = 1.65 mW/g
  Maximum value of SAR (measured) = 2.69 mW/g
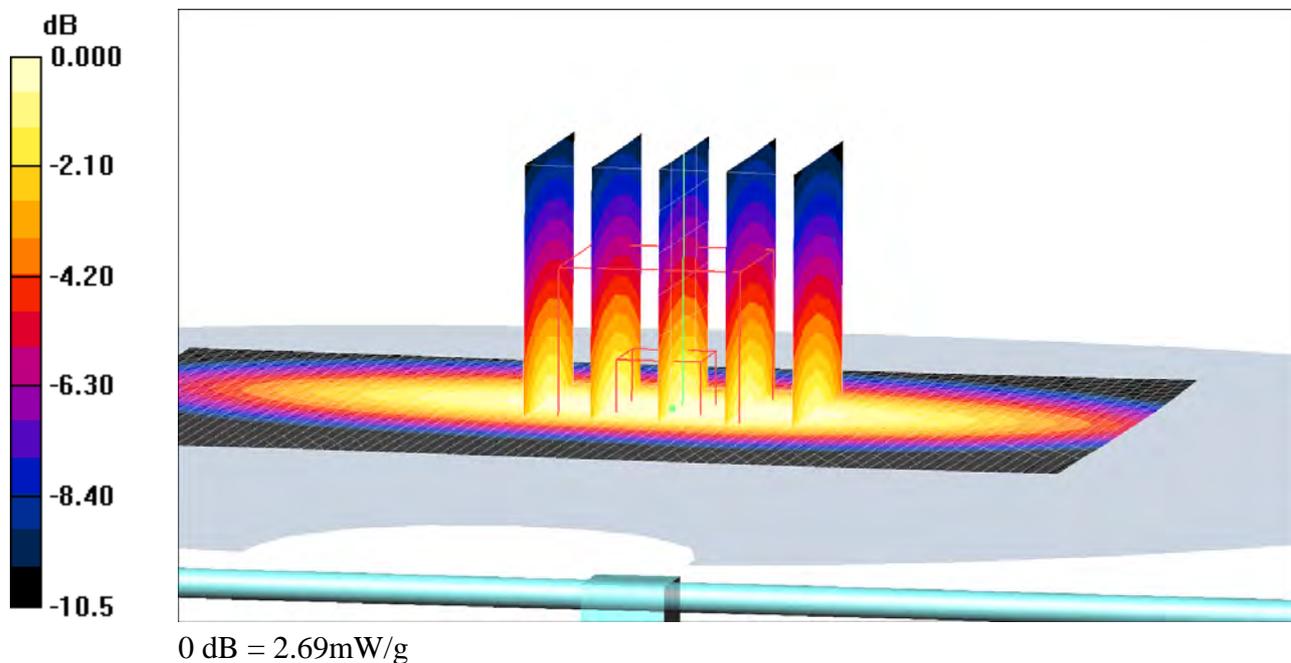
0 dB = 2.69mW/g

Test Laboratory: Sony Ericsson Mobile Communications International AB

Validation-D850-Body-09-10-09

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 MHz; σ = 0.97 mho/m; ε_r = 52.5; ρ = 1000 kg/m^3

Phantom section: Flat Section
Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1610; ConvF(6.15, 6.15, 6.15); Calibrated: 11/7/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn448; Calibrated: 11/5/2008
- 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) = 2.74 mW/g
  d=15mm, Pin=250mW/Zoom Scan (7x7x7) (5x5x7)/Cube 0: Measurement grid:
  dx=8mm, dy=8mm, dz=5mm
  Reference Value = 56.0 V/m; Power Drift = -0.042 dB
  Peak SAR (extrapolated) = 3.45 W/kg
  SAR(1 g) = 2.53 mW/g; SAR(10 g) = 1.69 mW/g
  Maximum value of SAR (measured) = 2.73 mW/g
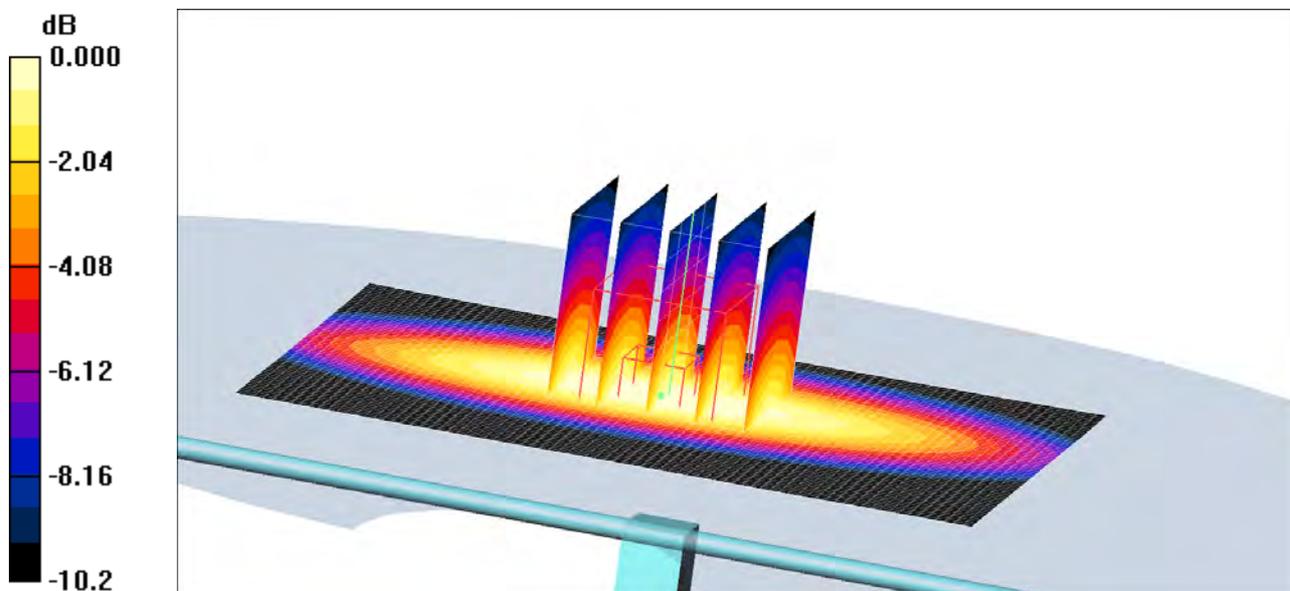
0 dB = 2.73mW/g

Date/Time: 10/16/2009 9:24:34 AM

Test Laboratory: Sony Ericsson Mobile Communications International AB

Validation-D1800-16-10-09

DUT: Dipole 1800 MHz; Type: D1800V2; Serial: D1800V2 - SN:008

Communication System: CW; Frequency: 1800 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1800 MHz; σ = 1.37 mho/m; ε_r = 38.6; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1610; ConvF(5.49, 5.49, 5.49); Calibrated: 11/7/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn448; Calibrated: 11/5/2008
- 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) = 9.93 mW/g

d=10mm, Pin=250mW/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm,
dy=5mm, dz=5mm
Reference Value = 84.6 V/m; Power Drift = 0.204 dB
Peak SAR (extrapolated) = 14.6 W/kg
SAR(1 g) = 8.67 mW/g; SAR(10 g) = 4.67 mW/g
Maximum value of SAR (measured) = 9.80 mW/g
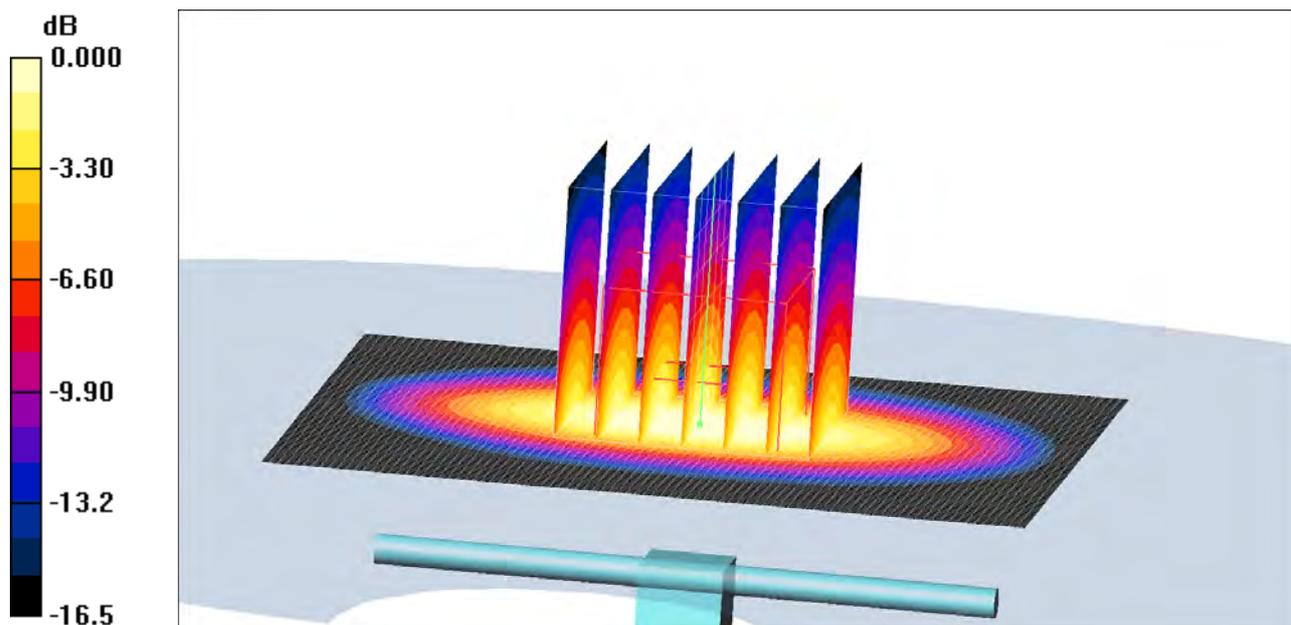
0 dB = 9.80mW/g

Date/Time: 10/22/2009 10:55:49 AM

Test Laboratory: Sony Ericsson Mobile Communications International AB

Validation-D1800-Body-22-10-09

DUT: Dipole 1800 MHz; Type: D1800V2; Serial: D1800V2 - SN:297

Communication System: CW; Frequency: 1800 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1800 MHz; σ = 1.46 mho/m; ε_r = 51; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1610; ConvF(4.78, 4.78, 4.78); Calibrated: 11/7/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn448; Calibrated: 11/5/2008
- 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) = 10.7 mW/g

d=10mm, Pin=250mW/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 88.2 V/m; Power Drift = 0.007 dB
Peak SAR (extrapolated) = 15.9 W/kg
SAR(1 g) = 9.41 mW/g; SAR(10 g) = 5.08 mW/g
Maximum value of SAR (measured) = 10.6 mW/g
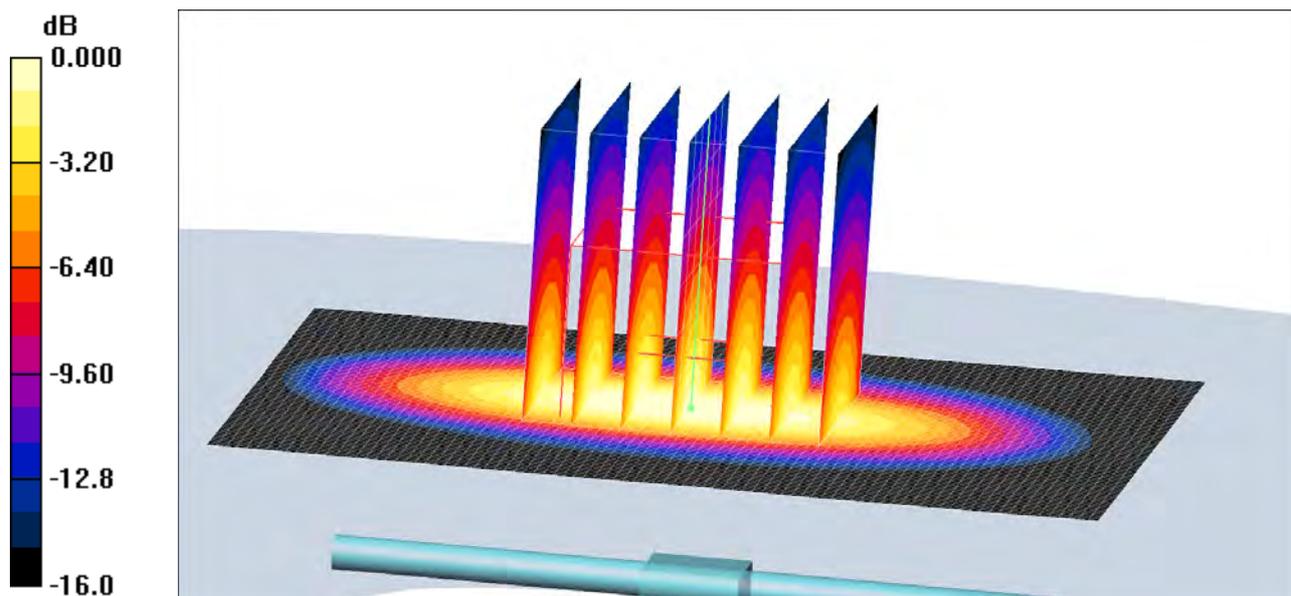
0 dB = 10.6mW/g

Test Laboratory: Sony Ericsson Mobile Communications International AB

Validation-D1900-14-10-09

DUT: Dipole 1900 MHz; Type: D1900V2; Serial: D1900V2 - SN:539

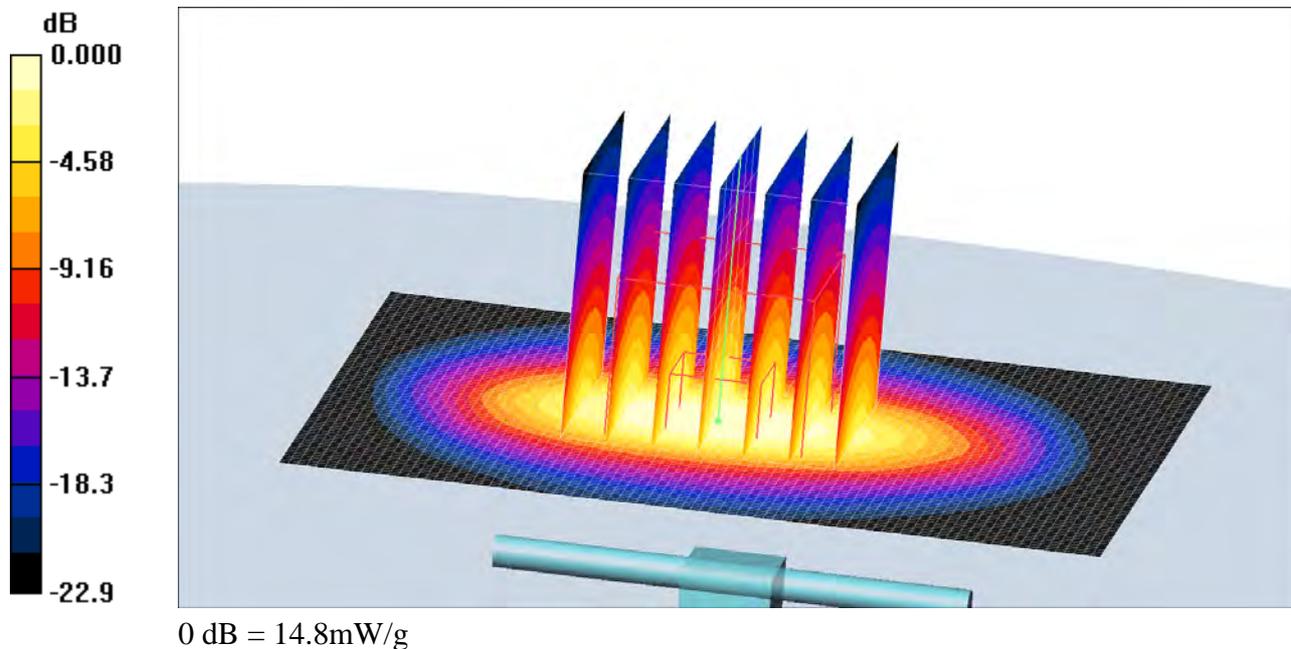Communication System: CW; Frequency: 1900 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1900 MHz; σ = 1.46 mho/m; ε_r = 38; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1610; ConvF(5.2, 5.2, 5.2); Calibrated: 11/7/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn448; Calibrated: 11/5/2008
- 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 = 88.1 V/m; Power Drift = 0.036 dB
  Peak SAR (extrapolated) = 17.7 W/kg
  SAR(1 g) = 9.7 mW/g; SAR(10 g) = 5.04 mW/g
  Maximum value of SAR (measured) = 11.1 mW/g

0 dB = 11.1mW/g

Date/Time: 10/15/2009 10:22:32 AM

Test Laboratory: Sony Ericsson Mobile Communications International AB

Validation-D1900-Body-15-10-09

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; σ = 1.59 mho/m; ε_r = 50.7; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1610; ConvF(4.48, 4.48, 4.48); Calibrated: 11/7/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn448; Calibrated: 11/5/2008
- 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) = 12.0 mW/g

d=10mm, Pin=250mW/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm,
dy=5mm, dz=5mm
Reference Value = 86.4 V/m; Power Drift = -0.027 dB
Peak SAR (extrapolated) = 18.9 W/kg
SAR(1 g) = 10.5 mW/g; SAR(10 g) = 5.44 mW/g
Maximum value of SAR (measured) = 11.8 mW/g
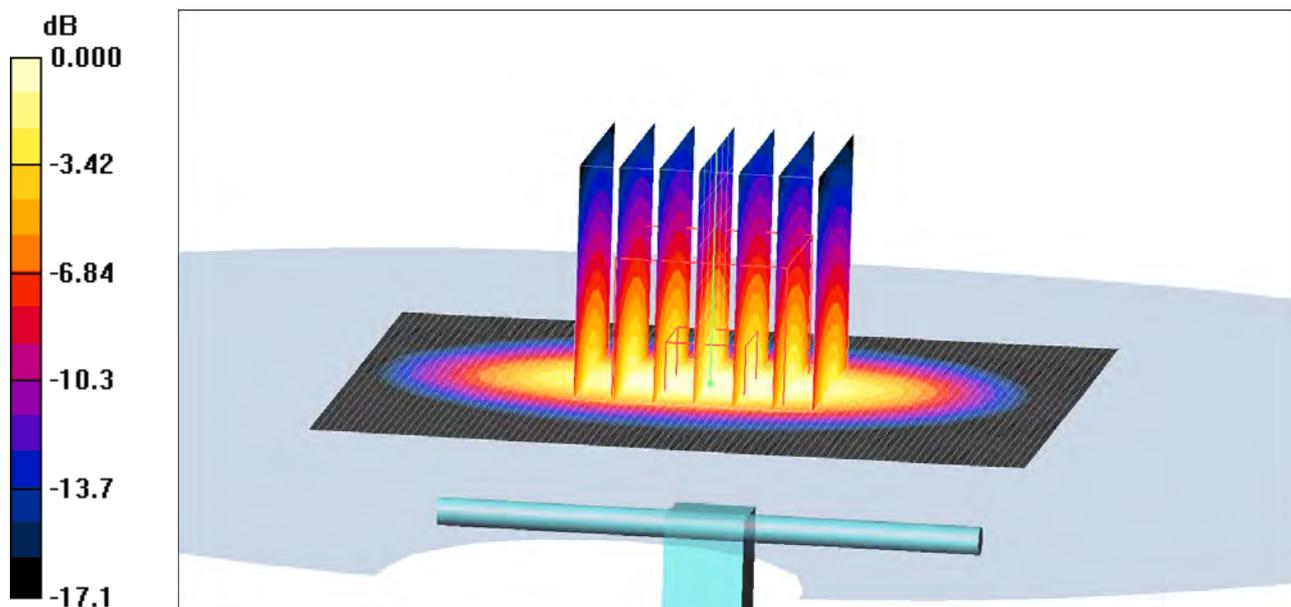
0 dB = 11.8mW/g

Date/Time: 11/12/2009 3:15:04 PM

Test Laboratory: Sony Ericsson Mobile Communications International AB

Validation-Body-D2450-12-11-09

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; σ = 2.03 mho/m; ε_r = 50.5; ρ = 1000 kg/m^3

Phantom section: Flat Section
Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1611; ConvF(4.03, 4.03, 4.03); Calibrated: 12/10/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn449; Calibrated: 12/10/2008
- 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) = 15.5 mW/g
  d=10mm, Pin=250mW/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid:
  dx=5mm, dy=5mm, dz=5mm
  Reference Value = 89.4 V/m; Power Drift = -0.039 dB
  Peak SAR (extrapolated) = 32.6 W/kg
  SAR(1 g) = 13.9 mW/g; SAR(10 g) = 6.33 mW/g
  Maximum value of SAR (measured) = 15.3 mW/g

0 dB = 15.3mW/g
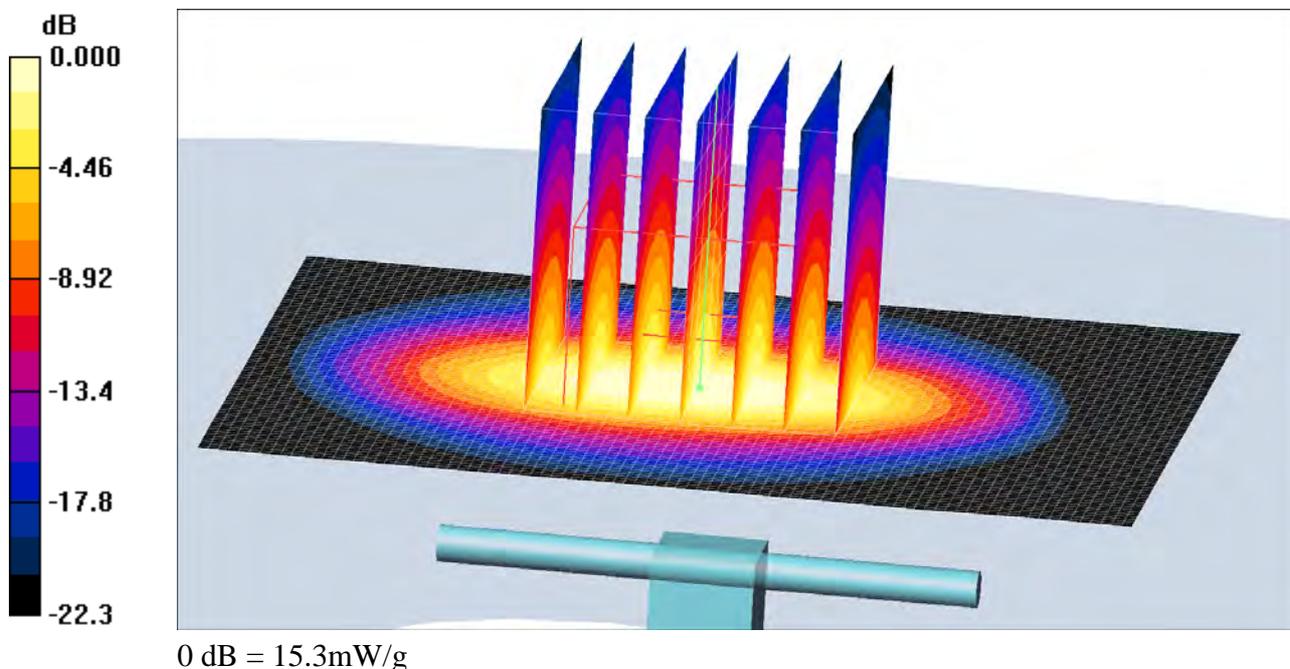
Date/Time: 11/16/2009 8:39:43 AM

Test Laboratory: Sony Ericsson Mobile Communications International AB

Validation-D2450-16-11-09

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; σ = 1.89 mho/m; ε_r = 37.4; ρ = 1000 kg/m^3

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1611; ConvF(4.56, 4.56, 4.56); Calibrated: 12/10/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn449; Calibrated: 12/10/2008
- 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) = 14.9 mW/g
  d=10mm, Pin=250mW/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid:
  dx=5mm, dy=5mm, dz=5mm
  Reference Value = 92.0 V/m; Power Drift = 0.044 dB
  Peak SAR (extrapolated) = 29.7 W/kg
  SAR(1 g) = 13.2 mW/g; SAR(10 g) = 6.07 mW/g
  Maximum value of SAR (measured) = 14.8 mW/g

0 dB = 14.8mW/g

Test Laboratory: Sony Ericsson Mobile Communications International AB

Body-Flat15mm-Rachael-1900-GPRS-3slot-High

DUT: Rachael; Type:DUT; Serial:#16447

Communication System: GPRS 1900; Frequency: 1909.8 MHz;Duty Cycle: 1:3.1125

Medium parameters used: f = 1909.8 MHz; σ = 1.61 mho/m; ε_r = 50.7; ρ = 1000 kg/m^3

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1610; ConvF(4.48, 4.48, 4.48); Calibrated: 11/7/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn448; Calibrated: 11/5/2008
- 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 (51x91x1): Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (interpolated) = 0.884 mW/g
  Body 3/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
  Reference Value = 11.3 V/m; Power Drift = -0.041 dB
  Peak SAR (extrapolated) = 1.31 W/kg
  SAR(1 g) = 0.806 mW/g; SAR(10 g) = 0.494 mW/g
  Maximum value of SAR (measured) = 0.867 mW/g
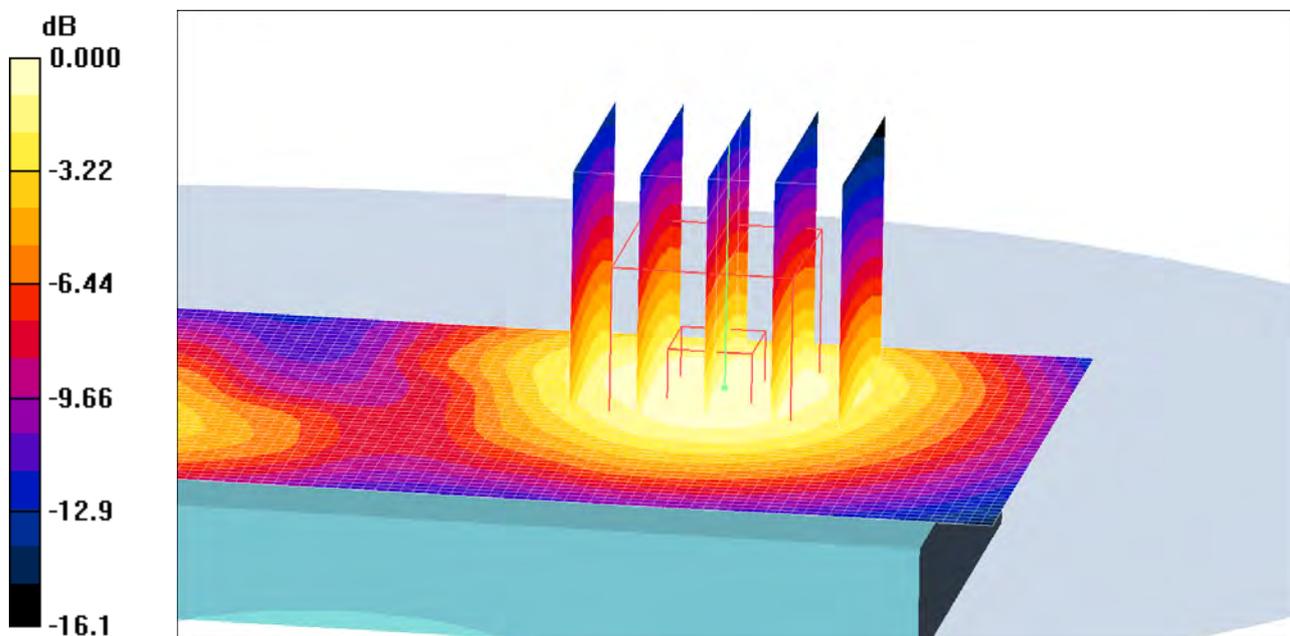
0 dB = 0.867mW/g

Test Laboratory: Sony Ericsson Mobile Communications International AB

Body-Flat15mm-Rachael-1900-GPRS-3slot-Low

DUT: Rachael; Type:DUT; Serial:#16447

Communication System: GPRS 1900; Frequency: 1850.2 MHz;Duty Cycle: 1:3.1125

Medium parameters used: f = 1850.2 MHz; σ = 1.54 mho/m; ε_r = 50.9; ρ = 1000 kg/m^3

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1610; ConvF(4.48, 4.48, 4.48); Calibrated: 11/7/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn448; Calibrated: 11/5/2008
- 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 (51x91x1): Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (interpolated) = 0.675 mW/g
  Body 2/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
  Reference Value = 10.8 V/m; Power Drift = -0.014 dB
  Peak SAR (extrapolated) = 0.967 W/kg
  SAR(1 g) = 0.613 mW/g; SAR(10 g) = 0.384 mW/g
  Maximum value of SAR (measured) = 0.658 mW/g
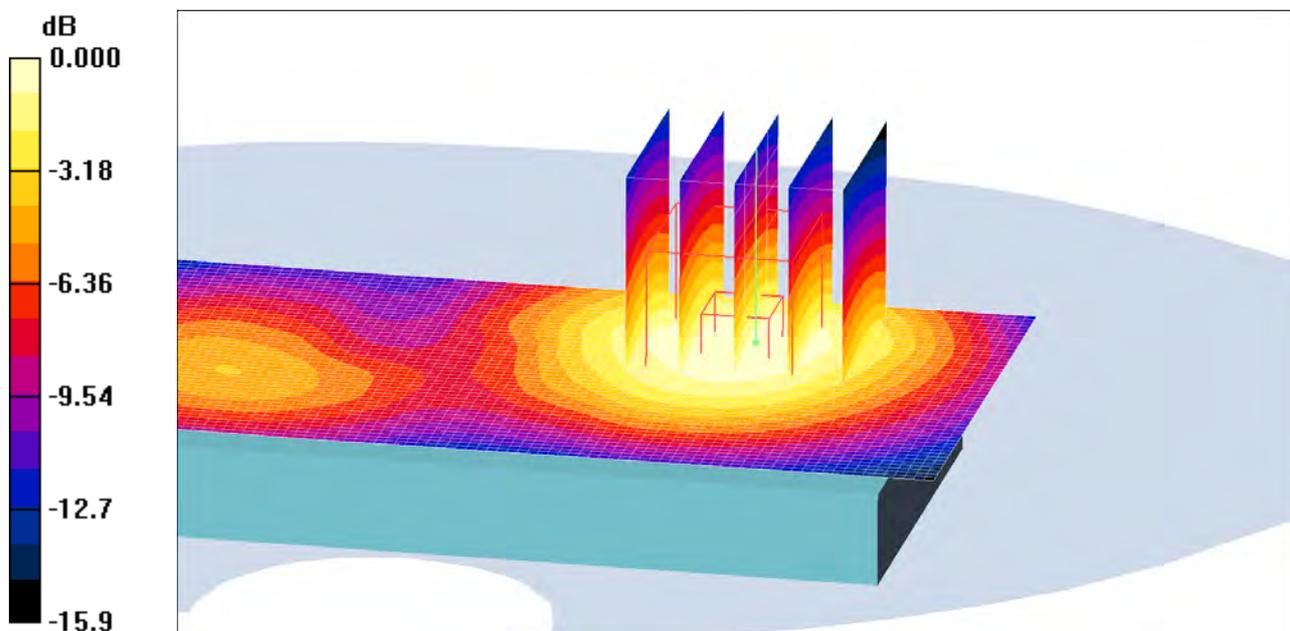
0 dB = 0.658mW/g

Date/Time: 10/15/2009 1:14:30 PM

Test Laboratory: Sony Ericsson Mobile Communications International AB

Body-Flat15mm-Rachael-1900-GPRS-3slot-Middle

DUT: Rachael; Type:DUT; Serial:#16447

Communication System: GPRS 1900; Frequency: 1880 MHz;Duty Cycle: 1:3.1125
Medium parameters used: f = 1880 MHz; σ = 1.57 mho/m; ε_r = 50.8; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1610; ConvF(4.48, 4.48, 4.48); Calibrated: 11/7/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn448; Calibrated: 11/5/2008
- Phantom: SAM-3; Type: SAM; Serial: 1436
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172
  Body/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (interpolated) = 0.783 mW/g
  Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
  Reference Value = 10.9 V/m; Power Drift = -0.039 dB
  Peak SAR (extrapolated) = 1.14 W/kg
  SAR(1 g) = 0.714 mW/g; SAR(10 g) = 0.442 mW/g
  Maximum value of SAR (measured) = 0.769 mW/g
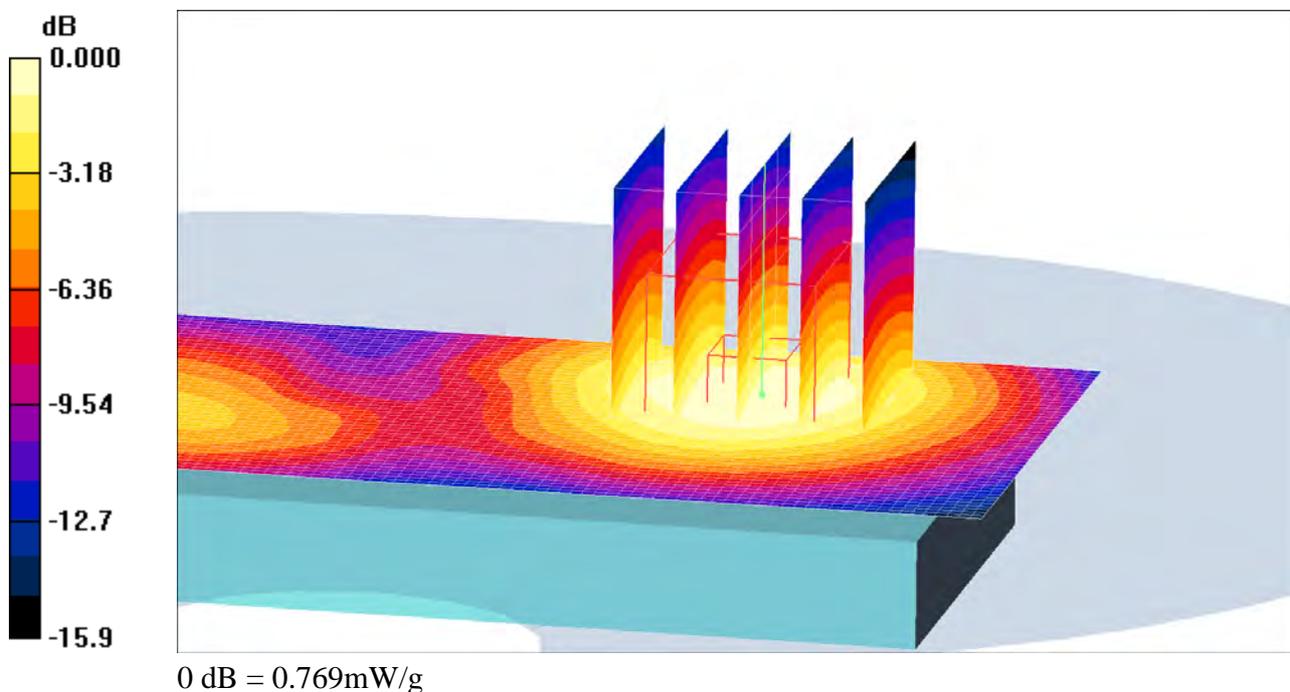
0 dB = 0.769mW/g

Test Laboratory: Sony Ericsson Mobile Communications International AB

Body-Flat15mm-Rachael-1900-GPRS-4slot-Middle

DUT: Rachael; Type:DUT; Serial:#16447

Communication System: GPRS 1900; Frequency: 1880 MHz;Duty Cycle: 1:2.075

Medium parameters used: f = 1880 MHz; σ = 1.57 mho/m; ε_r = 50.8; ρ = 1000 kg/m^3

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1610; ConvF(4.48, 4.48, 4.48); Calibrated: 11/7/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn448; Calibrated: 11/5/2008
- 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 (51x91x1): Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (interpolated) = 0.736 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 = -0.124 dB
  Peak SAR (extrapolated) = 1.05 W/kg
  SAR(1 g) = 0.662 mW/g; SAR(10 g) = 0.411 mW/g
  Maximum value of SAR (measured) = 0.707 mW/g
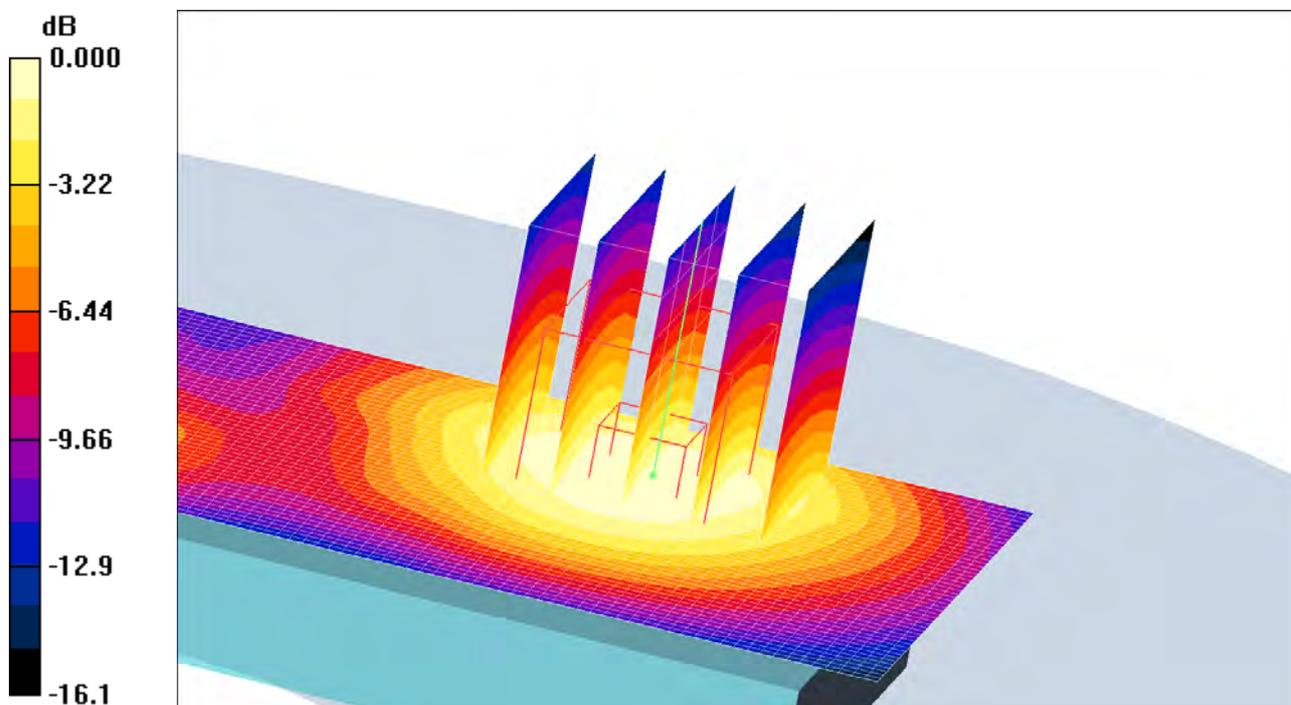
0 dB = 0.707mW/g

Test Laboratory: Sony Ericsson Mobile Communications International AB

Body-Flat15mm-Rachael-1900-Speech-High

DUT: Rachael; Type:DUT; Serial:#16447

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

Medium parameters used: f = 1909.8 MHz; σ = 1.61 mho/m; ε_r = 50.7; ρ = 1000 kg/m^3

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1610; ConvF(4.48, 4.48, 4.48); Calibrated: 11/7/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn448; Calibrated: 11/5/2008
- 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 (51x91x1): Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (interpolated) = 0.688 mW/g
  Body 3/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
  Reference Value = 9.47 V/m; Power Drift = 0.044 dB
  Peak SAR (extrapolated) = 1.03 W/kg
  SAR(1 g) = 0.633 mW/g; SAR(10 g) = 0.389 mW/g
  Maximum value of SAR (measured) = 0.681 mW/g
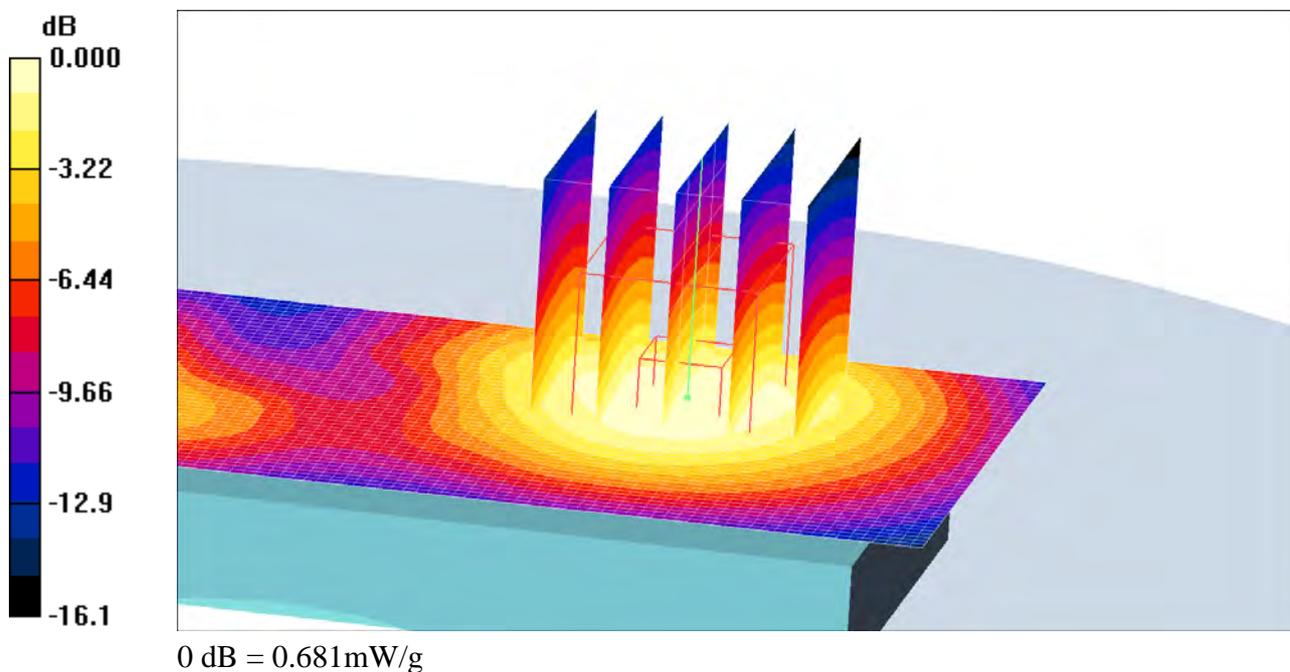
0 dB = 0.681mW/g

Test Laboratory: Sony Ericsson Mobile Communications International AB

Body-Flat15mm-Rachael-850-GPRS-3slot-Middle

DUT: Rachael; Type:DUT; Serial:#16447

Communication System: GSM 850; Frequency: 836.6 MHz;Duty Cycle: 1:3.1125

Medium parameters used: f = 836.6 MHz; σ = 0.97 mho/m; ε_r = 52.5; ρ = 1000 kg/m^3

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1610; ConvF(6.15, 6.15, 6.15); Calibrated: 11/7/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn448; Calibrated: 11/5/2008
- Phantom: SAM-3; Type: SAM; Serial: 1436
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172
  GPRS 3Slot/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (interpolated) = 0.993 mW/g
  GPRS 3Slot/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
  Reference Value = 32.2 V/m; Power Drift = -0.018 dB
  Peak SAR (extrapolated) = 1.15 W/kg
  SAR(1 g) = 0.944 mW/g; SAR(10 g) = 0.700 mW/g
  Maximum value of SAR (measured) = 0.997 mW/g
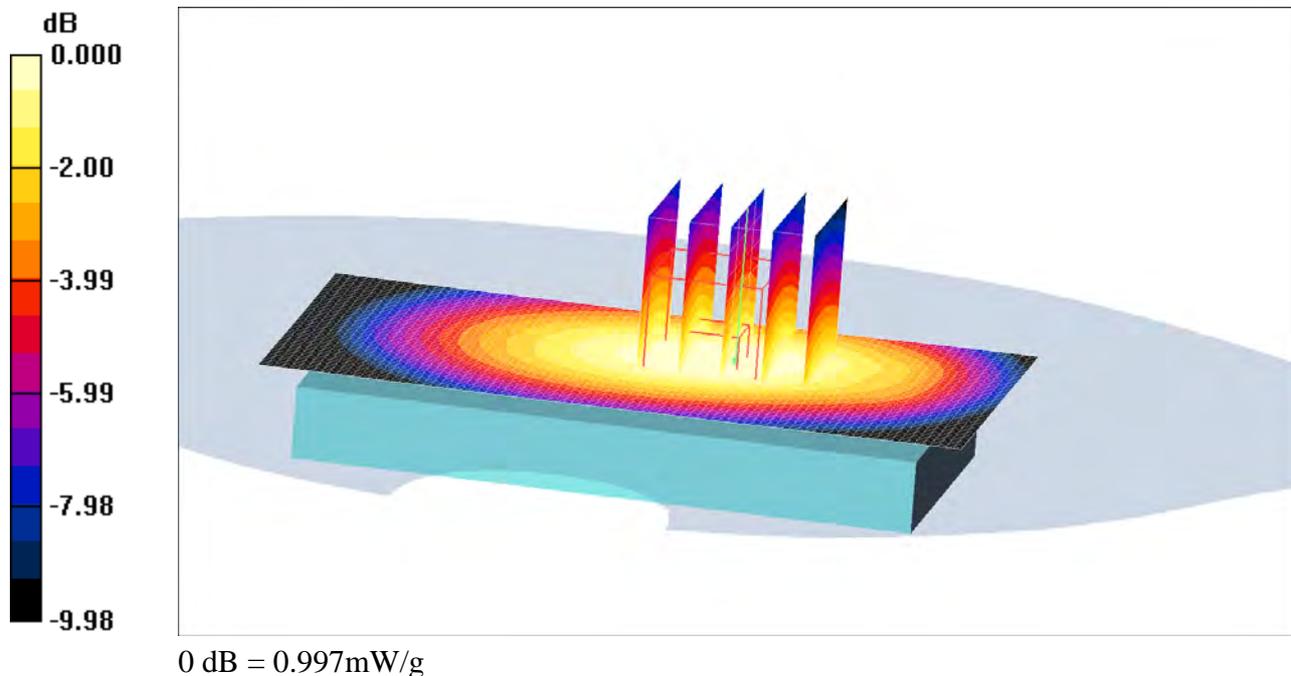
0 dB = 0.997mW/g

Test Laboratory: Sony Ericsson Mobile Communications International AB

Body-Flat15mm-Rachael-850-GPRS-4slot-High

DUT: Rachael; Type:DUT; Serial:#16447

Communication System: GSM 850; Frequency: 848.8 MHz;Duty Cycle: 1:2.075

Medium parameters used: f = 848.8 MHz; σ = 0.98 mho/m; ε_r = 52.4; ρ = 1000 kg/m^3

Phantom section: Flat Section
Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1610; ConvF(6.15, 6.15, 6.15); Calibrated: 11/7/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn448; Calibrated: 11/5/2008
- Phantom: SAM-3; Type: SAM; Serial: 1436
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172
  GPRS 4Slot 3/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (interpolated) = 1.16 mW/g
  GPRS 4Slot 3/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
  Reference Value = 34.7 V/m; Power Drift = -0.054 dB
  Peak SAR (extrapolated) = 1.33 W/kg
  SAR(1 g) = 1.1 mW/g; SAR(10 g) = 0.814 mW/g
  Maximum value of SAR (measured) = 1.16 mW/g
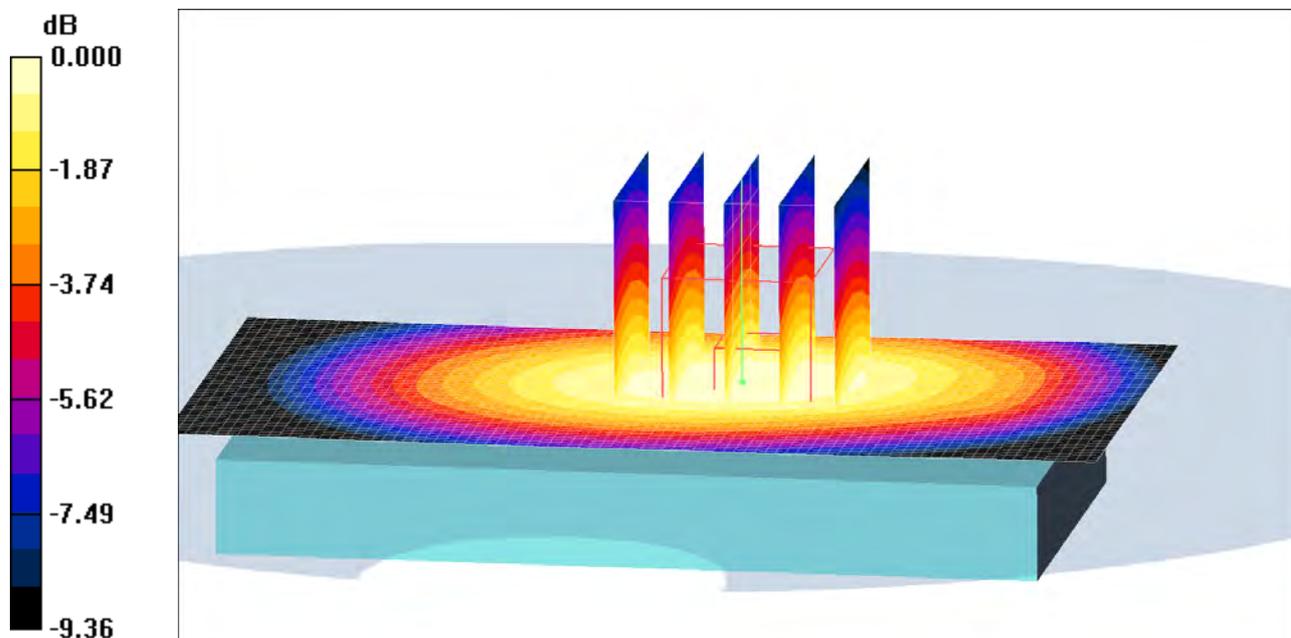
0 dB = 1.16mW/g

Test Laboratory: Sony Ericsson Mobile Communications International AB

Body-Flat15mm-Rachael-850-GPRS-4slot-Low

DUT: Rachael; Type:DUT; Serial:#16447

Communication System: GSM 850; Frequency: 824.2 MHz;Duty Cycle: 1:2.075

Medium parameters used: f = 824.2 MHz; σ = 0.96 mho/m; ε_r = 52.7; ρ = 1000 kg/m^3

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1610; ConvF(6.15, 6.15, 6.15); Calibrated: 11/7/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn448; Calibrated: 11/5/2008
- Phantom: SAM-3; Type: SAM; Serial: 1436
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172
  GPRS 4Slot 2/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm
  Maximum value of SAR (interpolated) = 0.894 mW/g
  GPRS 4Slot 2/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
  Reference Value = 30.6 V/m; Power Drift = -0.103 dB
  Peak SAR (extrapolated) = 1.01 W/kg
  SAR(1 g) = 0.843 mW/g; SAR(10 g) = 0.629 mW/g
  Maximum value of SAR (measured) = 0.890 mW/g
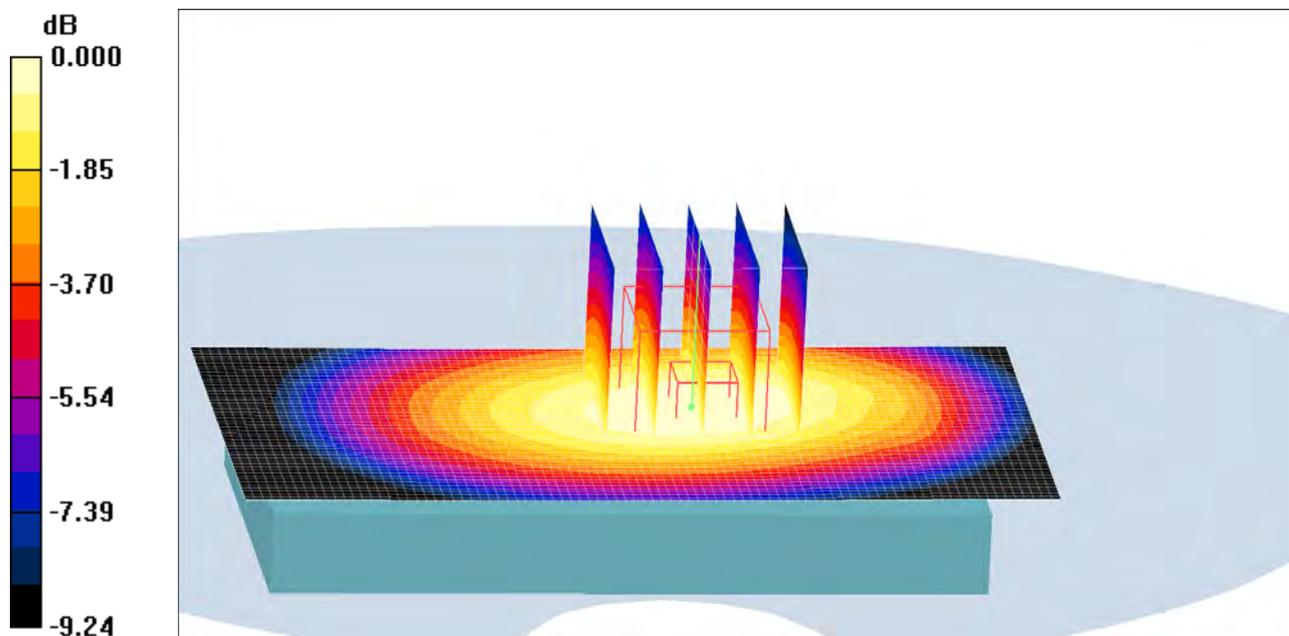
0 dB = 0.890mW/g

Test Laboratory: Sony Ericsson Mobile Communications International AB

Body-Flat15mm-Rachael-850-GPRS-4slot-Middle

DUT: Rachael; Type:DUT ; Serial:#16447

Communication System: GSM 850; Frequency: 836.6 MHz;Duty Cycle: 1:2.075

Medium parameters used: f = 836.6 MHz; σ = 0.97 mho/m; ε_r = 52.5; ρ = 1000 kg/m^3

Phantom section: Flat Section
Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1610; ConvF(6.15, 6.15, 6.15); Calibrated: 11/7/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn448; Calibrated: 11/5/2008
- Phantom: SAM-3; Type: SAM; Serial: 1436
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172
  GPRS 4Slot/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (interpolated) = 1.02 mW/g
  GPRS 4Slot/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
  Reference Value = 32.9 V/m; Power Drift = -0.115 dB
  Peak SAR (extrapolated) = 1.20 W/kg
  SAR(1 g) = 0.978 mW/g; SAR(10 g) = 0.725 mW/g
  Maximum value of SAR (measured) = 1.04 mW/g

0 dB = 1.04mW/g
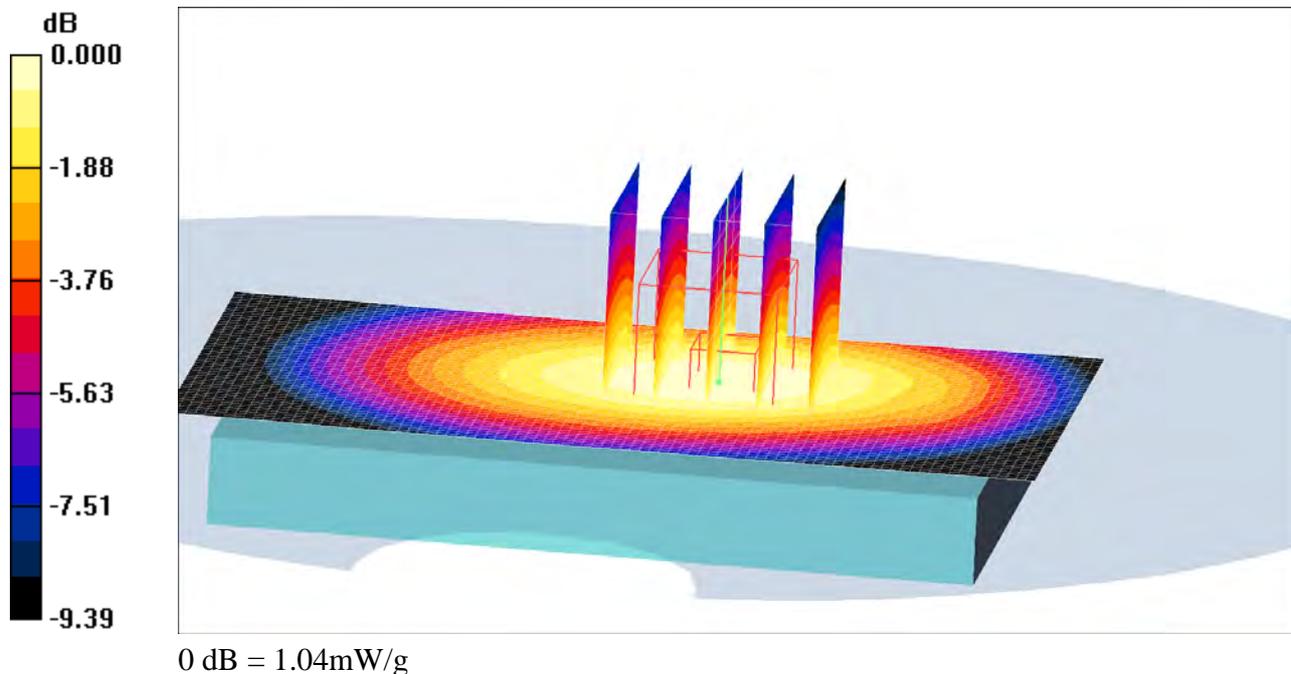
Date/Time: 10/9/2009 9:49:14 AM

Test Laboratory: Sony Ericsson Mobile Communications International AB

Body-Flat15mm-Rachael-850-Speech-High
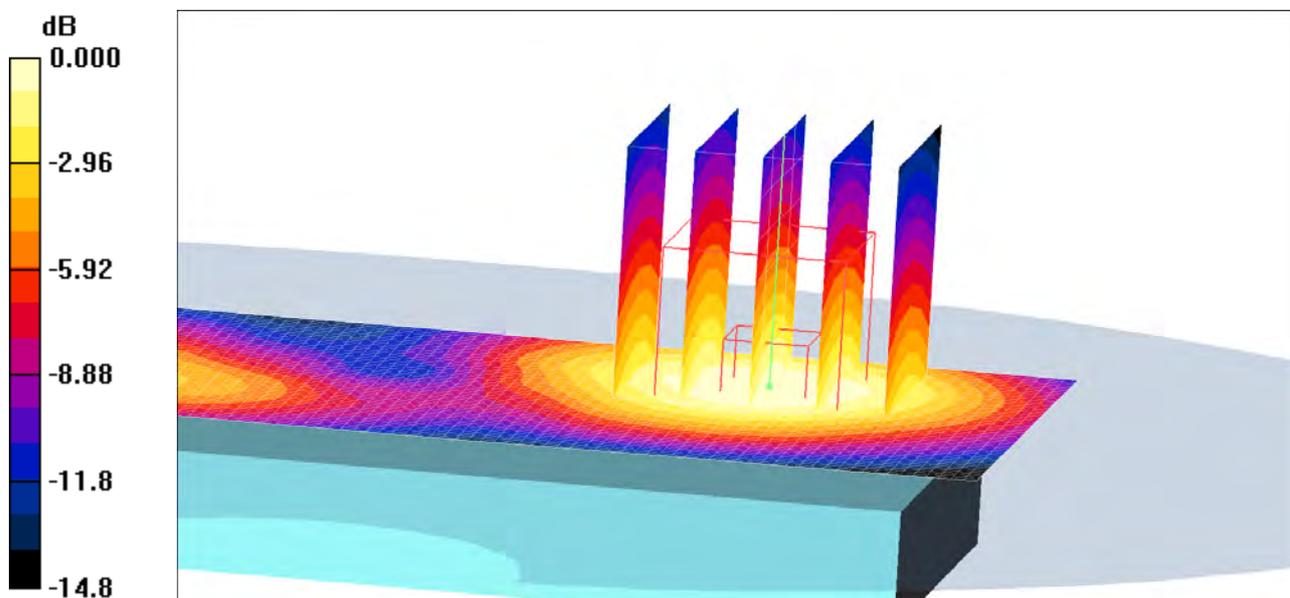
DUT: Rachael; Type:DUT; Serial:#16447

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

Medium parameters used: f = 848.8 MHz; σ = 0.98 mho/m; ε_r = 52.4; ρ = 1000 kg/m^3

Phantom section: Flat Section
Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1610; ConvF(6.15, 6.15, 6.15); Calibrated: 11/7/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn448; Calibrated: 11/5/2008
- 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 (51x91x1): Measurement grid: dx=15mm, dy=15mm
  Maximum value of SAR (interpolated) = 0.655 mW/g
  Body 3/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
  Reference Value = 26.0 V/m; Power Drift = 0.033 dB
  Peak SAR (extrapolated) = 0.759 W/kg
  SAR(1 g) = 0.624 mW/g; SAR(10 g) = 0.461 mW/g
  Maximum value of SAR (measured) = 0.664 mW/g
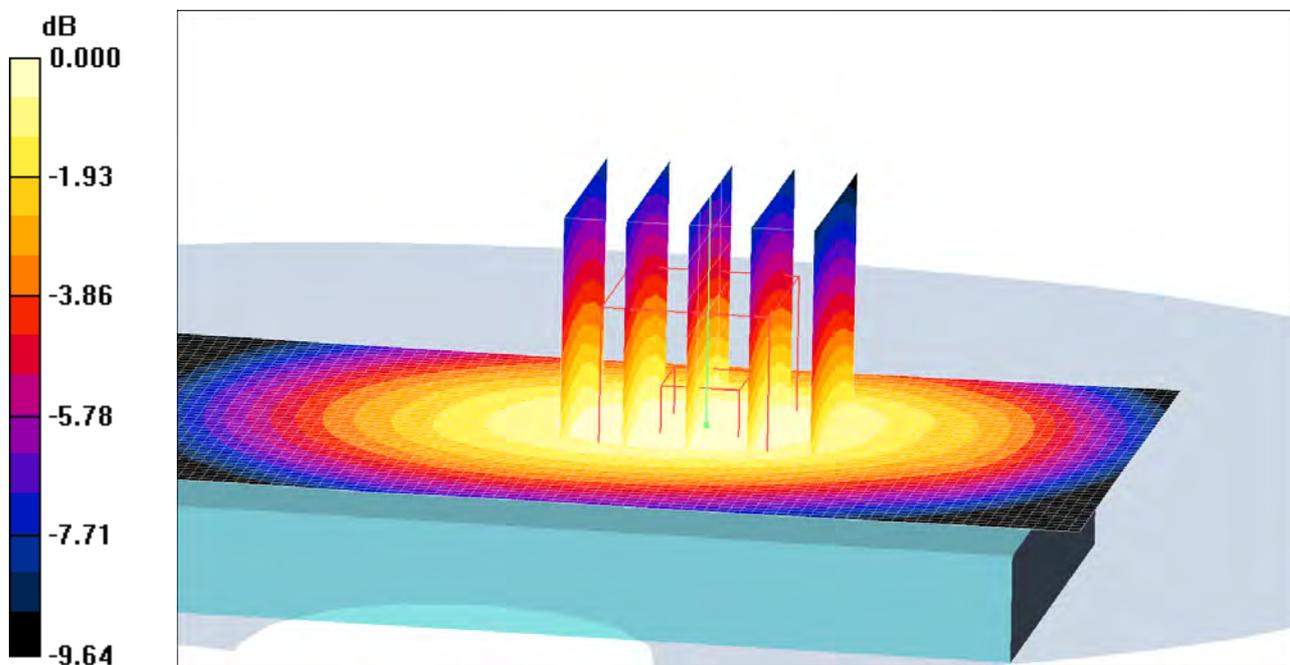
0 dB = 0.664mW/g

Test Laboratory: Sony Ericsson Mobile Communications International AB

Body-Flat15mm-Rachael-UMTS4-HSDPA-High

DUT: Rachael; Type:DUT; Serial:#16447

Communication System: WCDMA Band4; Frequency: 1752.6 MHz;Duty Cycle: 1:1

Medium parameters used: f = 1752.6 MHz; σ = 1.41 mho/m; $ε_r$ = 51.2; ρ = 1000 kg/m^3

Phantom section: Flat Section
Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1610; ConvF(4.78, 4.78, 4.78); Calibrated: 11/7/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn448; Calibrated: 11/5/2008
- 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 (51x91x1): Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (interpolated) = 0.963 mW/g
  Body 3/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
  Reference Value = 8.91 V/m; Power Drift = -0.154 dB
  Peak SAR (extrapolated) = 1.29 W/kg
  SAR(1 g) = 0.864 mW/g; SAR(10 g) = 0.546 mW/g
  Maximum value of SAR (measured) = 0.930 mW/g
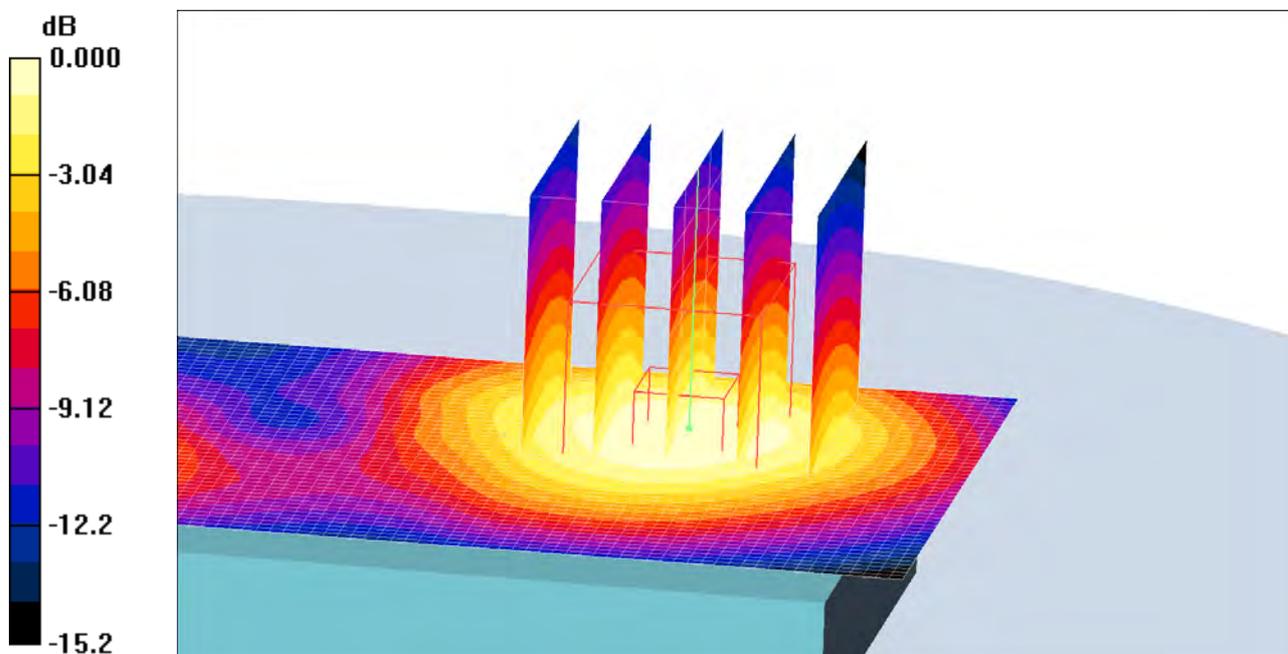
0 dB = 0.930mW/g

Date/Time: 10/22/2009 11:55:09 AM

Test Laboratory: Sony Ericsson Mobile Communications International AB

Body-Flat15mm-Rachael-UMTS4-Speech-High

DUT: Rachael; Type:DUT; Serial:#16447

Communication System: WCDMA Band4; Frequency: 1752.6 MHz;Duty Cycle: 1:1

Medium parameters used: f = 1752.6 MHz; σ = 1.41 mho/m; ε_r = 51.2; ρ = 1000 kg/m^3

Phantom section: Flat Section
Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1610; ConvF(4.78, 4.78, 4.78); Calibrated: 11/7/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn448; Calibrated: 11/5/2008
- 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 (51x91x1): Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (interpolated) = 1.15 mW/g
  Body 3/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
  Reference Value = 9.30 V/m; Power Drift = -0.024 dB
  Peak SAR (extrapolated) = 1.52 W/kg
  SAR(1 g) = 1.02 mW/g; SAR(10 g) = 0.649 mW/g
  Maximum value of SAR (measured) = 1.10 mW/g

0 dB = 1.10mW/g

Date/Time: 10/22/2009 11:30:19 AM

Test Laboratory: Sony Ericsson Mobile Communications International AB

Body-Flat15mm-Rachael-UMTS4-Speech-Low

DUT: Rachael; Type:DUT; Serial:#16447

Communication System: WCDMA Band4; Frequency: 1712.4 MHz;Duty Cycle: 1:1

Medium parameters used: f = 1712.4 MHz; σ = 1.36 mho/m; $ε_r$ = 51.4; ρ = 1000 kg/m^3

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1610; ConvF(4.78, 4.78, 4.78); Calibrated: 11/7/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn448; Calibrated: 11/5/2008
- Phantom: SAM-3; Type: SAM; Serial: 1436
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172
  Body/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm
  Maximum value of SAR (interpolated) = 0.935 mW/g
 **Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
  Reference Value = 8.47 V/m; Power Drift = 0.005 dB
  Peak SAR (extrapolated) = 1.26 W/kg
  SAR(1 g) = 0.850 mW/g; SAR(10 g) = 0.538 mW/g
  Maximum value of SAR (measured) = 0.923 mW/g

0 dB = 0.923mW/g
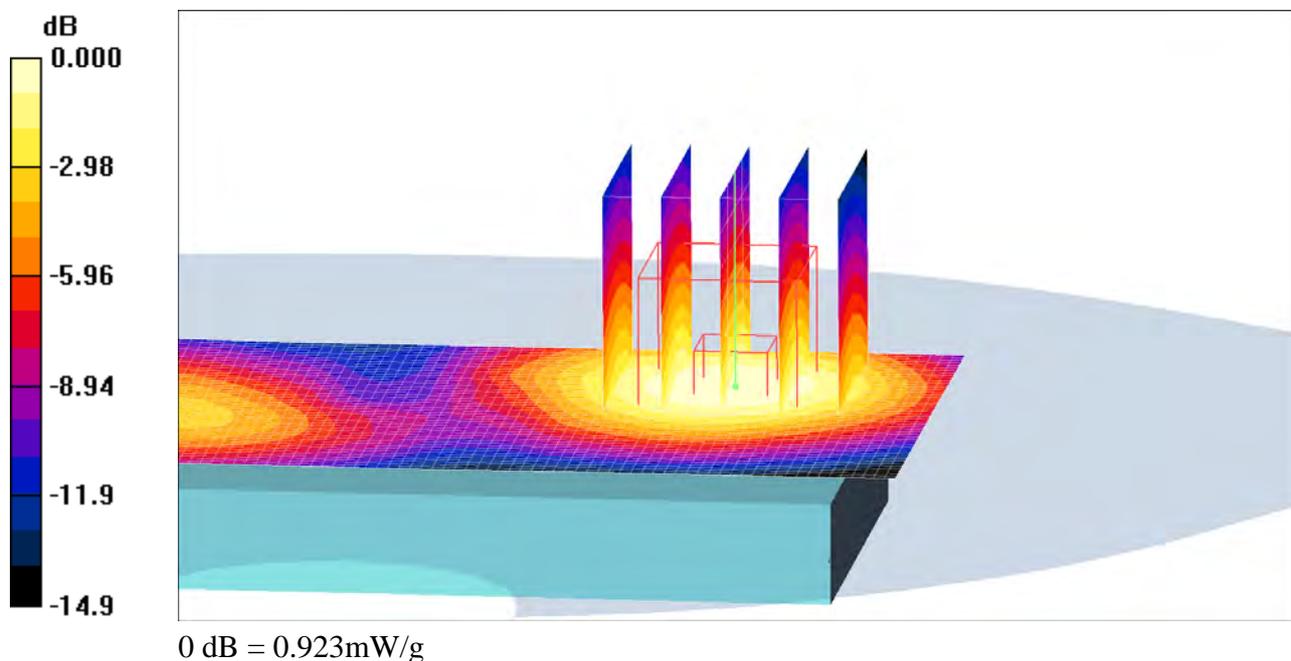
Date/Time: 10/22/2009 11:42:52 AM

Test Laboratory: Sony Ericsson Mobile Communications International AB

Body-Flat15mm-Rachael-UMTS4-Speech-Middle

DUT: Rachael; Type:DUT; Serial:#16447

Communication System: WCDMA Band4; Frequency: 1732.6 MHz;Duty Cycle: 1:1

Medium parameters used: f = 1732.6 MHz; σ = 1.39 mho/m; ε_r = 51.3; ρ = 1000 kg/m^3

Phantom section: Flat Section
Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1610; ConvF(4.78, 4.78, 4.78); Calibrated: 11/7/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn448; Calibrated: 11/5/2008
- 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 (51x91x1): Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (interpolated) = 0.939 mW/g
  Body 2/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
  Reference Value = 8.43 V/m; Power Drift = 0.010 dB
  Peak SAR (extrapolated) = 1.23 W/kg
  SAR(1 g) = 0.838 mW/g; SAR(10 g) = 0.533 mW/g
  Maximum value of SAR (measured) = 0.902 mW/g
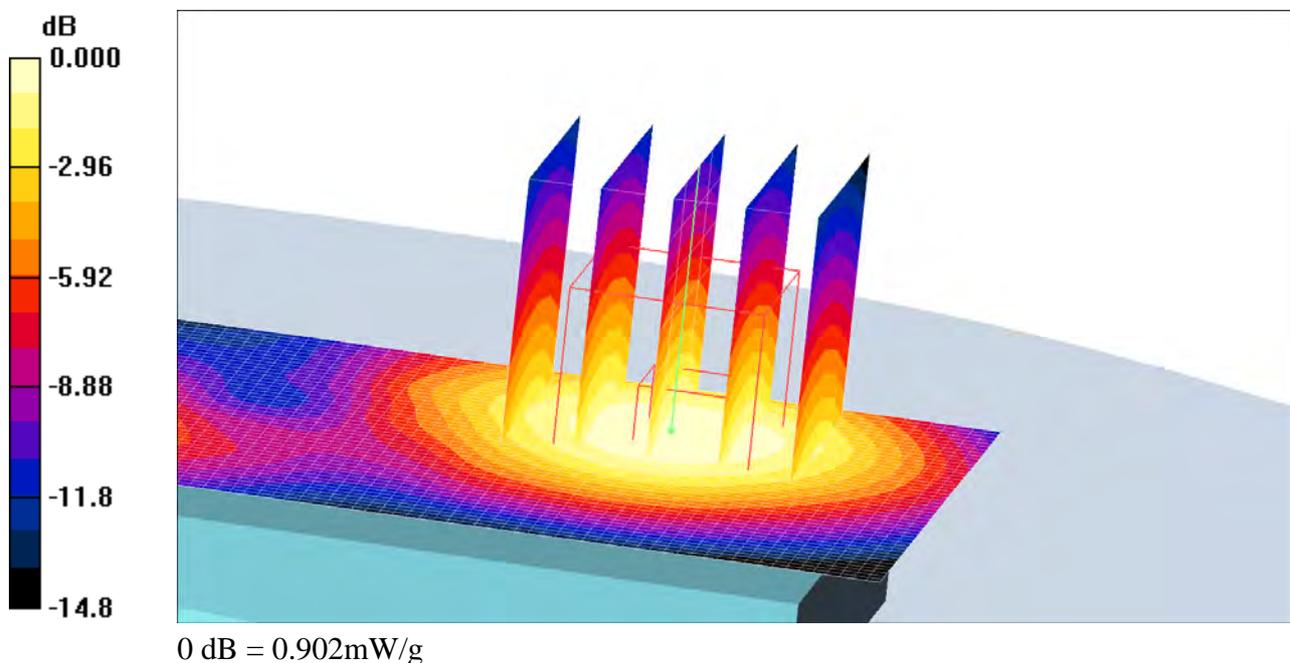
0 dB = 0.902mW/g

Test Laboratory: Sony Ericsson Mobile Communications International AB

Body-Flat15mm-Rachael-WLAN-Front-To-Phantom

DUT: Rachael; Type:DUT; Serial:#16745

Communication System: WLAN; Frequency: 2437 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2437 MHz; σ = 2.01 mho/m; ε_r = 50.5; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1611; ConvF(4.03, 4.03, 4.03); Calibrated: 12/10/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn449; Calibrated: 12/10/2008
- Phantom: SAM-3; Type: SAM; Serial: 1436
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172
  Body Front To Phantom/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (interpolated) = 0.054 mW/g
  Body Front To Phantom/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
  Reference Value = 2.67 V/m; Power Drift = 0.210 dB
  Peak SAR (extrapolated) = 0.102 W/kg
  SAR(1 g) = 0.051 mW/g; SAR(10 g) = 0.028 mW/g
  Maximum value of SAR (measured) = 0.053 mW/g
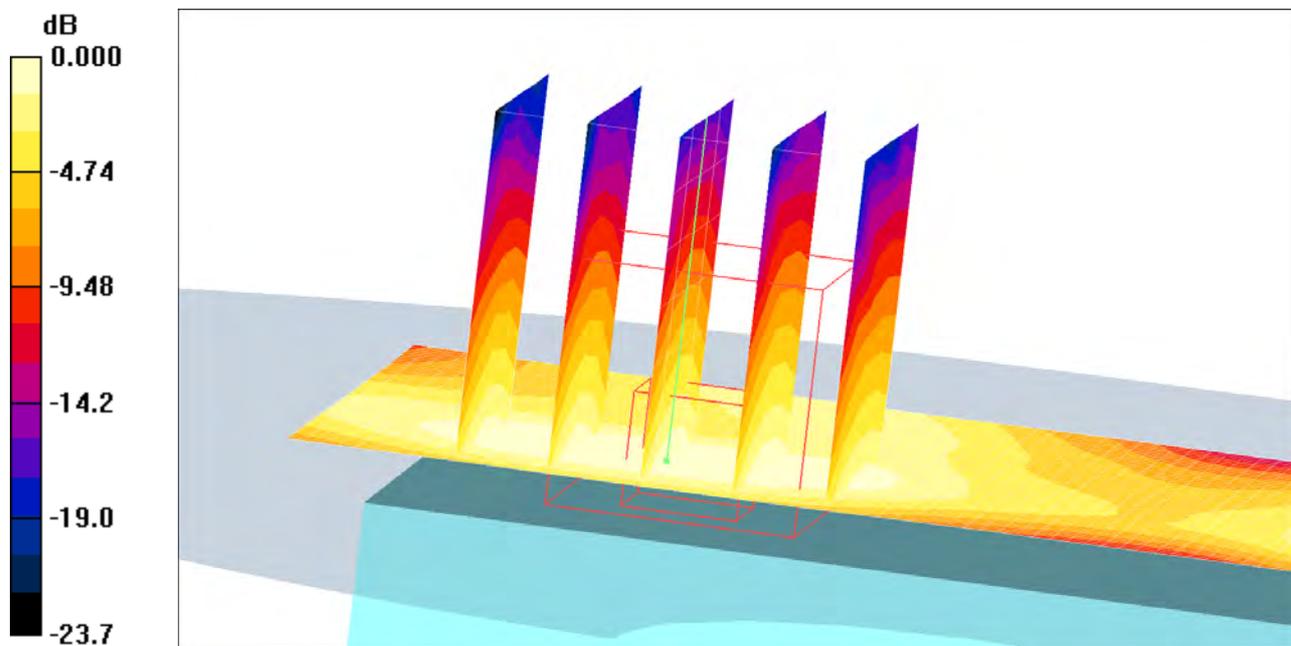
0 dB = 0.053mW/g

Date/Time: 11/13/2009 10:31:58 AM

Test Laboratory: Sony Ericsson Mobile Communications International AB

Body-Flat15mm-Rachael-WLAN-High-EU

DUT: Rachael; Type:DUT; Serial:#16745

Communication System: WLAN; Frequency: 2472 MHz;Duty Cycle: 1:1

Medium parameters used: f = 2472 MHz; σ = 2.06 mho/m; ε_r = 50.4; ρ = 1000 kg/m^3

Phantom section: Flat Section
Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1611; ConvF(4.03, 4.03, 4.03); Calibrated: 12/10/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn449; Calibrated: 12/10/2008
- Phantom: SAM-3; Type: SAM; Serial: 1436
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172
  Body 4/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (interpolated) = 0.025 mW/g
  Body 4/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
  Reference Value = 1.85 V/m; Power Drift = -0.184 dB
  Peak SAR (extrapolated) = 0.047 W/kg
  SAR(1 g) = 0.023 mW/g; SAR(10 g) = 0.013 mW/g
  Maximum value of SAR (measured) = 0.024 mW/g
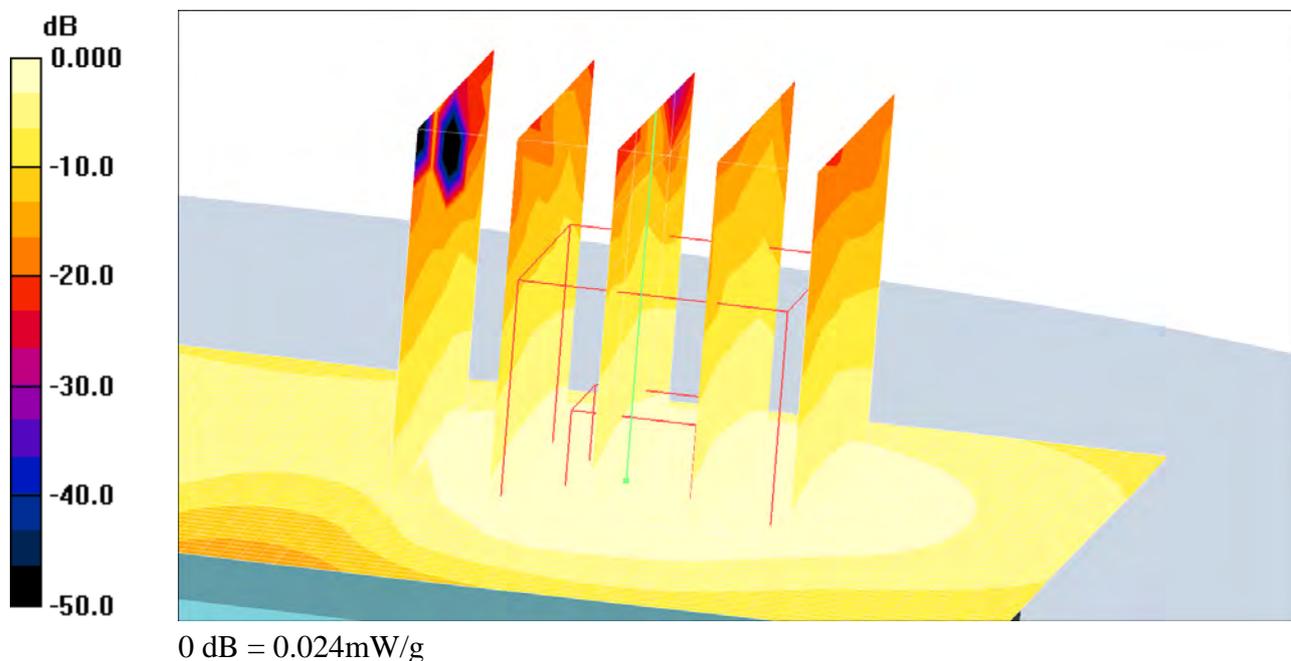
0 dB = 0.024mW/g

Test Laboratory: Sony Ericsson Mobile Communications International AB

Body-Flat15mm-Rachael-WLAN-High-FCC

DUT: Rachael; Type:DUT; Serial:#16745

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

Medium parameters used: f = 2462 MHz; σ = 2.05 mho/m; ε_r = 50.4; ρ = 1000 kg/m^3

Phantom section: Flat Section
Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1611; ConvF(4.03, 4.03, 4.03); Calibrated: 12/10/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn449; Calibrated: 12/10/2008
- 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 (51x91x1): Measurement grid: dx=15mm, dy=15mm
  Maximum value of SAR (interpolated) = 0.027 mW/g
  Body 3/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
  Reference Value = 2.16 V/m; Power Drift = -0.029 dB
  Peak SAR (extrapolated) = 0.052 W/kg
  SAR(1 g) = 0.026 mW/g; SAR(10 g) = 0.015 mW/g
  Maximum value of SAR (measured) = 0.027 mW/g
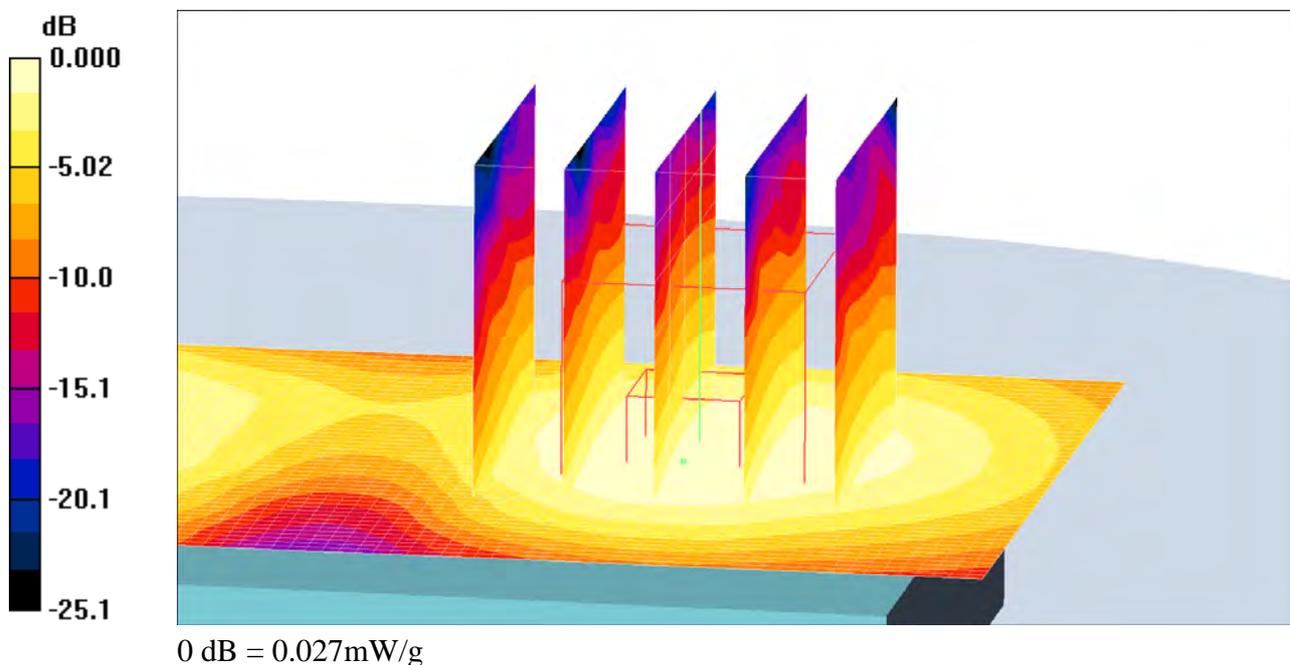
0 dB = 0.027mW/g

Test Laboratory: Sony Ericsson Mobile Communications International AB

Body-Flat15mm-Rachael-WLAN-Low

DUT: Rachael; Type:DUT; Serial:#16745

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

Medium parameters used: f = 2412 MHz; σ = 1.98 mho/m; ε_r = 50.6; ρ = 1000 kg/m^3

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1611; ConvF(4.03, 4.03, 4.03); Calibrated: 12/10/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn449; Calibrated: 12/10/2008
- Phantom: SAM-3; Type: SAM; Serial: 1436
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172
  Body/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm
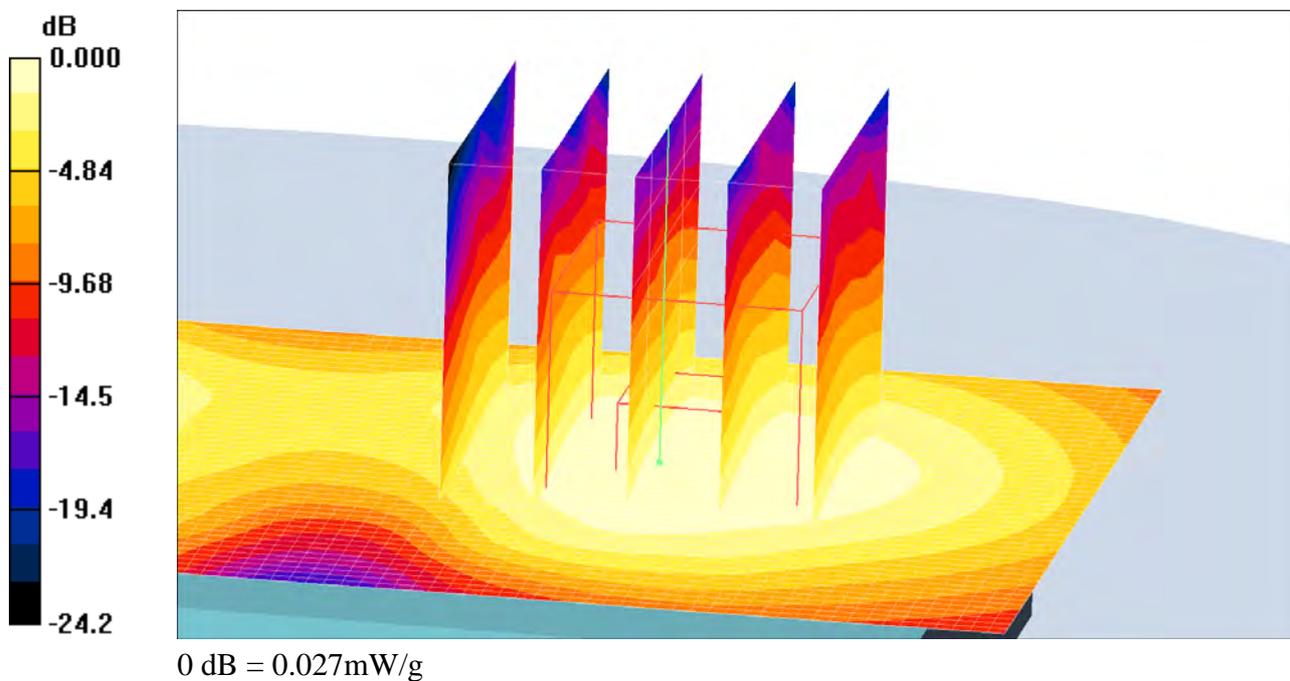 Maximum value of SAR (interpolated) = 0.024 mW/g
  Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
  Reference Value = 2.01 V/m; Power Drift = 0.156 dB
  Peak SAR (extrapolated) = 0.048 W/kg
  SAR(1 g) = 0.025 mW/g; SAR(10 g) = 0.014 mW/g
  Maximum value of SAR (measured) = 0.026 mW/g
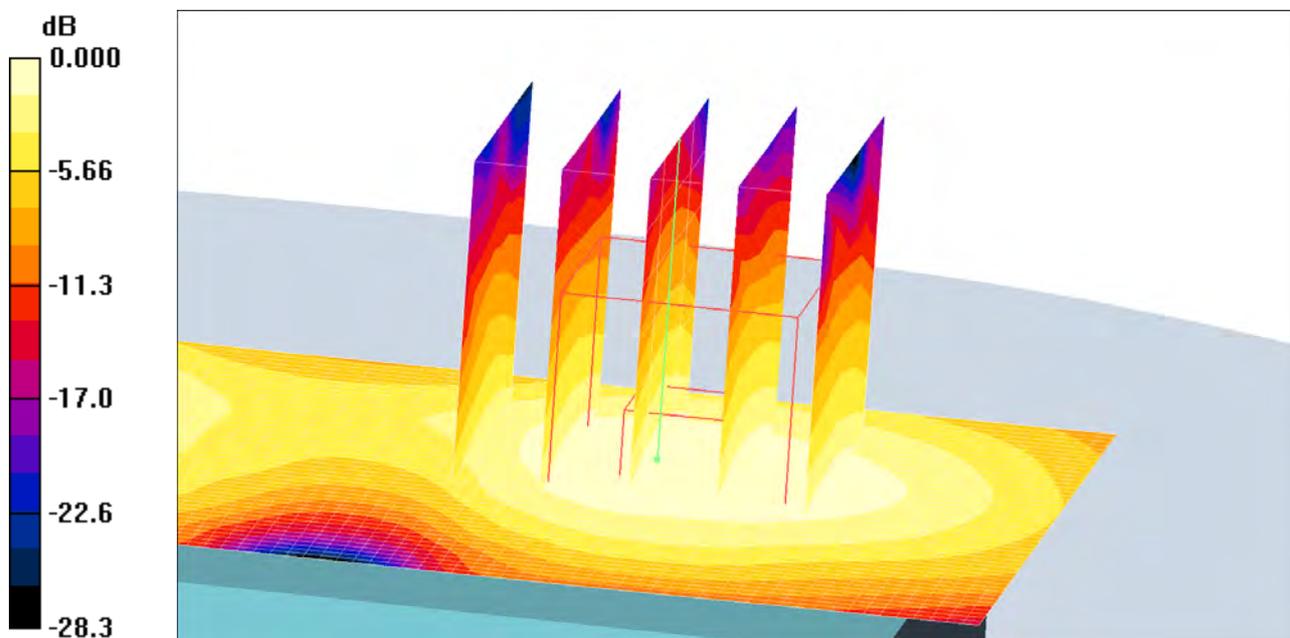
0 dB = 0.026mW/g

Date/Time: 11/13/2009 9:36:58 AM

Test Laboratory: Sony Ericsson Mobile Communications International AB

Body-Flat15mm-Rachael-WLAN-Middle

DUT: Rachael; Type:DUT; Serial:#16745

Communication System: WLAN; Frequency: 2437 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2437 MHz; σ = 2.01 mho/m; ε_r = 50.5; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1611; ConvF(4.03, 4.03, 4.03); Calibrated: 12/10/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn449; Calibrated: 12/10/2008
- 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 (51x91x1): Measurement grid: dx=15mm, dy=15mm
  Maximum value of SAR (interpolated) = 0.027 mW/g
  Body 2/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
  Reference Value = 2.02 V/m; Power Drift = 0.235 dB
  Peak SAR (extrapolated) = 0.050 W/kg
  SAR(1 g) = 0.026 mW/g; SAR(10 g) = 0.015 mW/g
  Maximum value of SAR (measured) = 0.027 mW/g

0 dB = 0.027mW/g

Test Laboratory: Sony Ericsson Mobile Communications International AB

Rachael-LeftHandSide-GSM1900-Tilt-Middle

DUT: Rachael; Type:DUT; Serial:#16447

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

Medium parameters used: f = 1880 MHz; σ = 1.44 mho/m; ε_r = 38.1; ρ = 1000 kg/m^3

Phantom section: Left Section
Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1610; ConvF(5.2, 5.2, 5.2); Calibrated: 11/7/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn448; Calibrated: 11/5/2008
- 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 (71x111x1): Measurement grid: dx=10mm, dy=10mm
  Maximum value of SAR (interpolated) = 0.405 mW/g
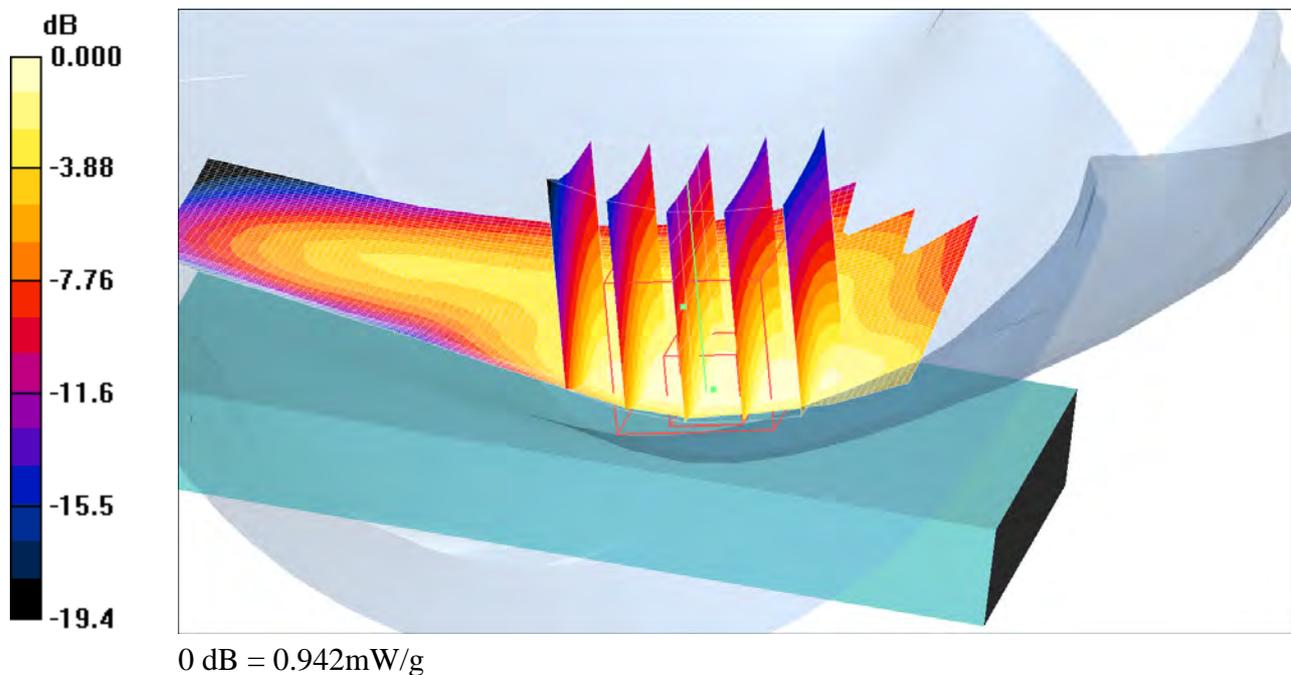 **Tilt position - Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 0:** Measurement grid:
  dx=8mm, dy=8mm, dz=5mm
  Reference Value = 14.1 V/m; Power Drift = -0.095 dB
  Peak SAR (extrapolated) = 0.530 W/kg
  SAR(1 g) = 0.364 mW/g; SAR(10 g) = 0.222 mW/g
  Maximum value of SAR (measured) = 0.395 mW/g

0 dB = 0.395mW/g
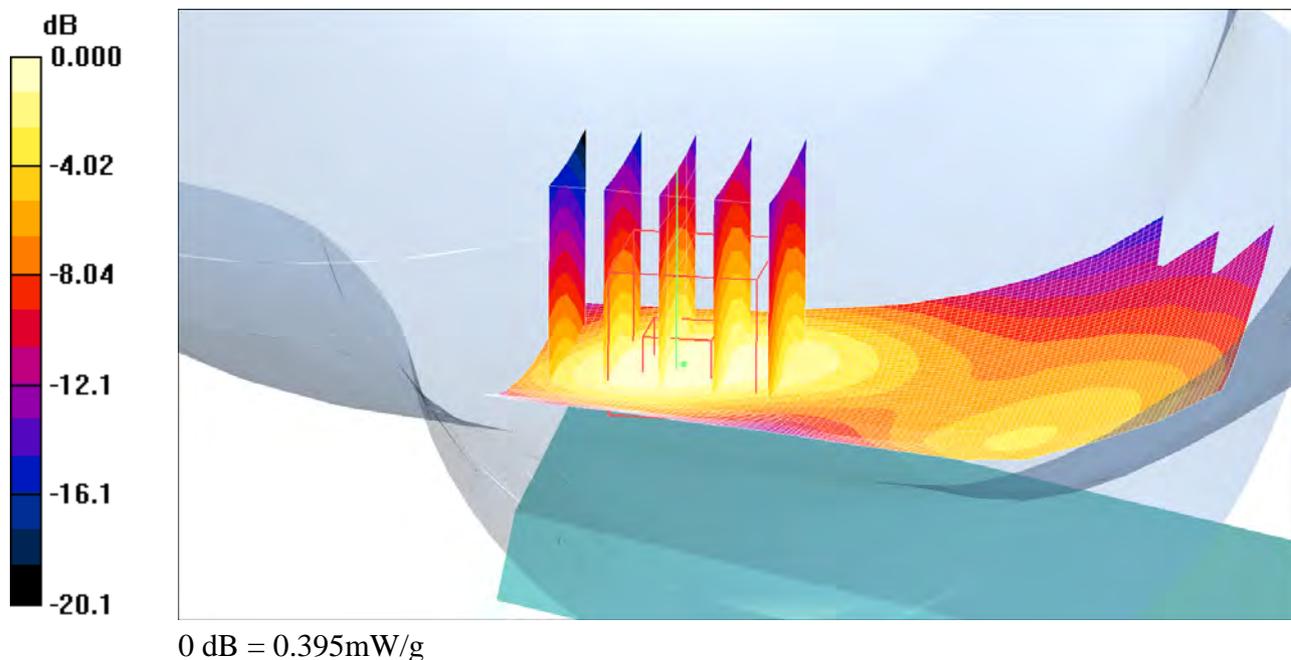
Date/Time: 10/14/2009 12:11:56 PM

Test Laboratory: Sony Ericsson Mobile Communications International AB

Rachael-LeftHandSide-GSM1900-Touch-High

DUT: Rachael; Type:DUT; Serial:#16447

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

Medium parameters used: f = 1909.8 MHz; σ = 1.47 mho/m; $ε_r$ = 38; ρ = 1000 kg/m^3

Phantom section: Left Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1610; ConvF(5.2, 5.2, 5.2); Calibrated: 11/7/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn448; Calibrated: 11/5/2008
- Phantom: SAM-1; Type: SAM; Serial: 1437
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172
  Touch position - High/Area Scan (71x111x1): Measurement grid: dx=10mm, dy=10mm
  Maximum value of SAR (interpolated) = 0.949 mW/g
  Touch position - High/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
  Reference Value = 10.6 V/m; Power Drift = -0.057 dB
  Peak SAR (extrapolated) = 1.33 W/kg
  SAR(1 g) = 0.866 mW/g; SAR(10 g) = 0.530 mW/g
  Maximum value of SAR (measured) = 0.942 mW/g

0 dB = 0.942mW/g

Test Laboratory: Sony Ericsson Mobile Communications International AB

Rachael-LeftHandSide-GSM850-Tilt-Middle

DUT: Rachael; Type:DUT; Serial:#16447

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

Medium parameters used: f = 836.6 MHz; σ = 0.9 mho/m; ε_r = 41.6; ρ = 1000 kg/m^3

Phantom section: Left Section
Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1610; ConvF(6.2, 6.2, 6.2); Calibrated: 11/7/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn448; Calibrated: 11/5/2008
- 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 (71x111x1): Measurement grid: dx=10mm, dy=10mm
  Maximum value of SAR (interpolated) = 0.247 mW/g
 **Tilt position - Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 0:** Measurement grid:
  dx=8mm, dy=8mm, dz=5mm
  Reference Value = 11.3 V/m; Power Drift = -0.129 dB
  Peak SAR (extrapolated) = 0.276 W/kg
  SAR(1 g) = 0.234 mW/g; SAR(10 g) = 0.177 mW/g
  Maximum value of SAR (measured) = 0.247 mW/g
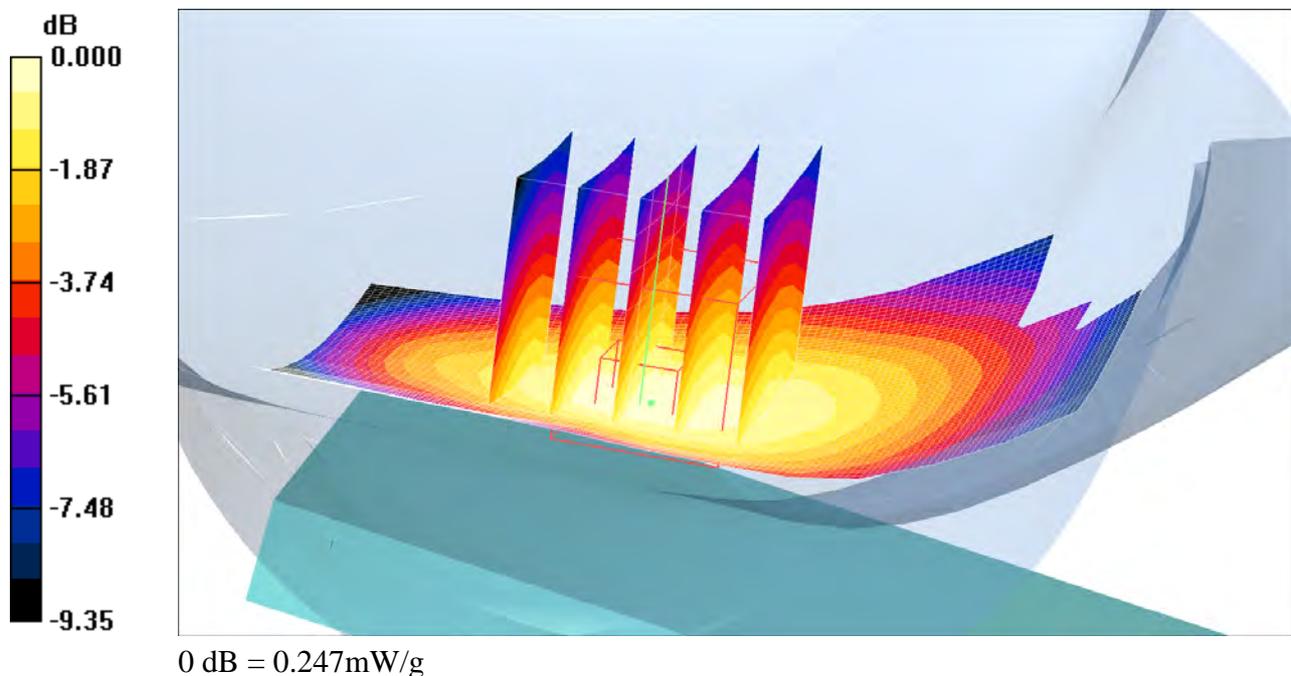
0 dB = 0.247mW/g

Test Laboratory: Sony Ericsson Mobile Communications International AB

Rachael-LeftHandSide-GSM850-Touch-High

DUT: Rachael; Type:DUT; Serial:#16447

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

Medium parameters used: f = 848.8 MHz; σ = 0.91 mho/m; ε_r = 41.4; ρ = 1000 kg/m^3

Phantom section: Left Section
Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1610; ConvF(6.2, 6.2, 6.2); Calibrated: 11/7/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn448; Calibrated: 11/5/2008
- Phantom: SAM-2; Type: SAM; Serial: 1025
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172
  Touch position - High/Area Scan (71x111x1): Measurement grid: dx=10mm, dy=10mm
  Maximum value of SAR (interpolated) = 0.542 mW/g
  Touch position - High/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
  Reference Value = 7.75 V/m; Power Drift = 0.032 dB
  Peak SAR (extrapolated) = 0.632 W/kg
  SAR(1 g) = 0.515 mW/g; SAR(10 g) = 0.381 mW/g
  Maximum value of SAR (measured) = 0.553 mW/g
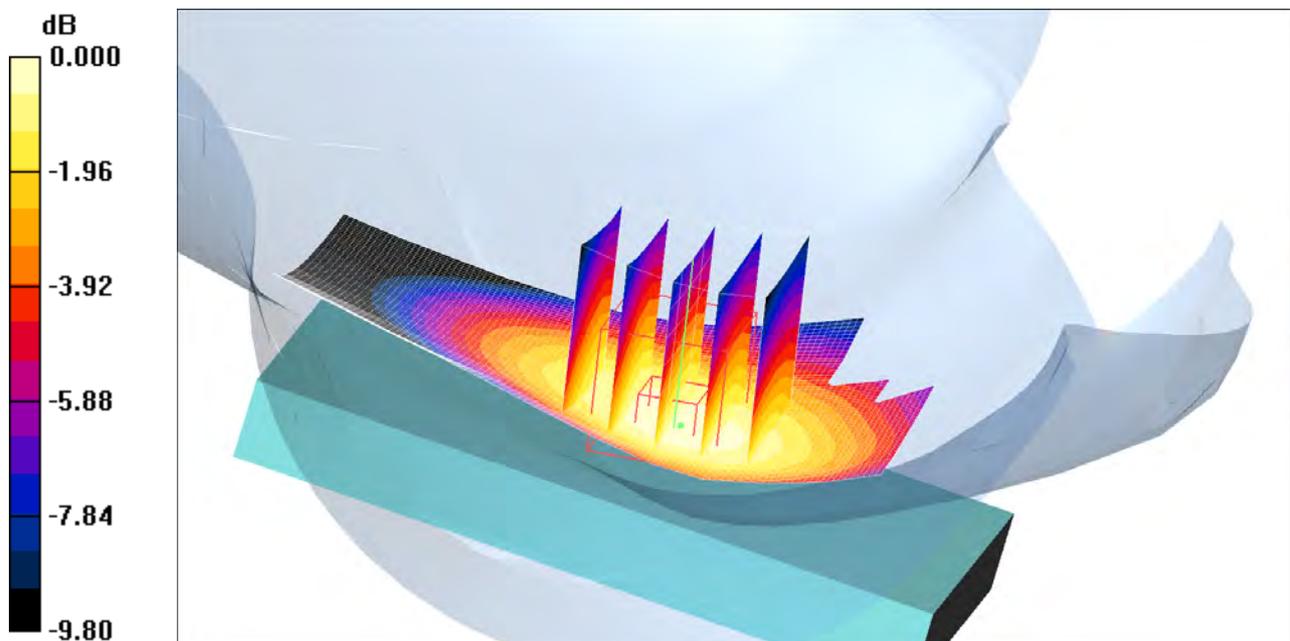
0 dB = 0.553mW/g

Test Laboratory: Sony Ericsson Mobile Communications International AB

Rachael-LeftHandSide-UMTS4-Tilt-Middle

DUT: Rachael; Type:DUT; Serial:#16447

Communication System: WCDMA Band4; Frequency: 1732.6 MHz;Duty Cycle: 1:1

Medium parameters used: f = 1732.6 MHz; σ = 1.3 mho/m; $ε_r$ = 38.9; ρ = 1000 kg/m^3

Phantom section: Left Section
Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1610; ConvF(5.49, 5.49, 5.49); Calibrated: 11/7/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn448; Calibrated: 11/5/2008
- 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 (71x111x1): Measurement grid: dx=10mm, dy=10mm
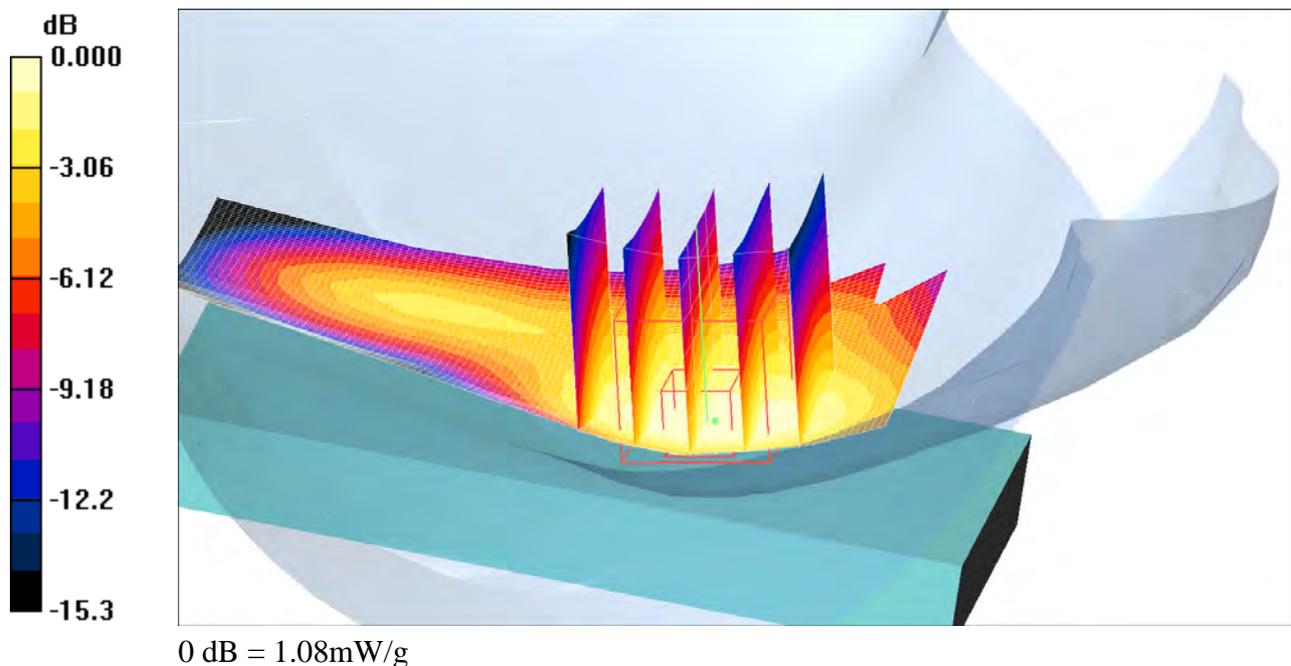 Maximum value of SAR (interpolated) = 0.494 mW/g
  Tilt position - Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid:
  dx=8mm, dy=8mm, dz=5mm
  Reference Value = 16.3 V/m; Power Drift = 0.132 dB
  Peak SAR (extrapolated) = 0.596 W/kg
  SAR(1 g) = 0.451 mW/g; SAR(10 g) = 0.290 mW/g
  Maximum value of SAR (measured) = 0.488 mW/g
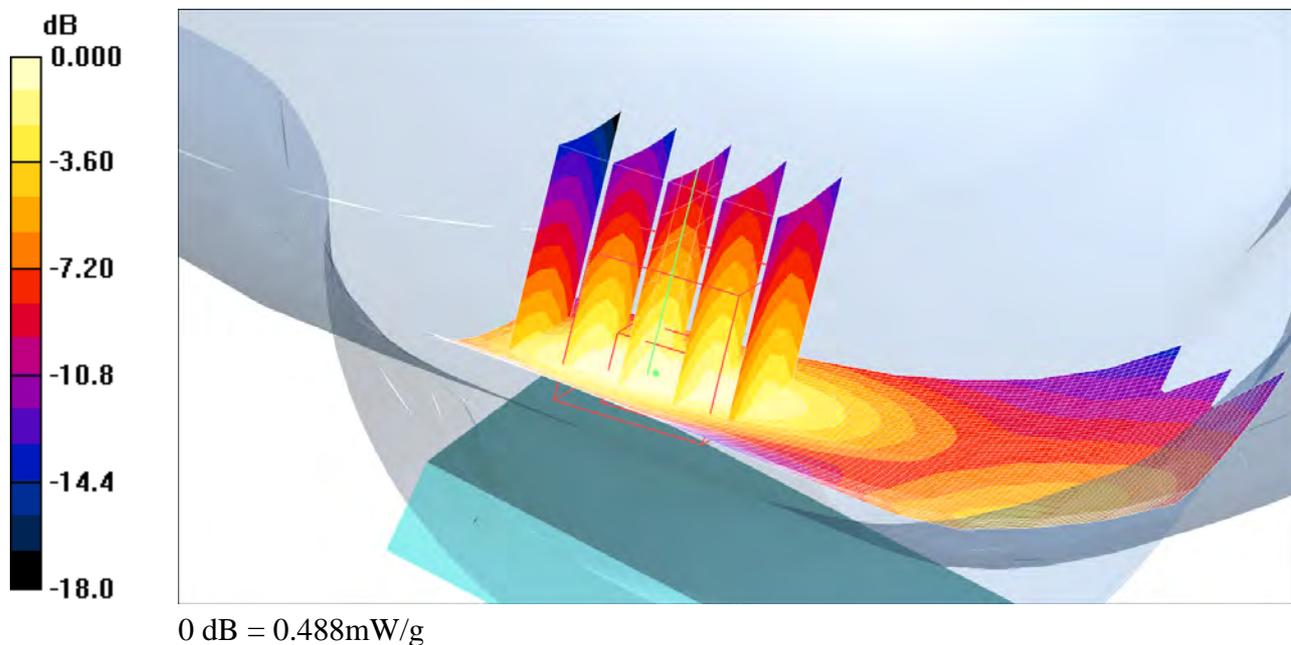
0 dB = 0.488mW/g

Test Laboratory: Sony Ericsson Mobile Communications International AB

Rachael-LeftHandSide-UMTS4-Touch-High

DUT: Rachael; Type:DUT; Serial:#16447

Communication System: WCDMA Band4; Frequency: 1752.6 MHz;Duty Cycle: 1:1

Medium parameters used: $f = 1752.6$ MHz; $\sigma = 1.32$ mho/m; $\varepsilon_r = 38.9$; $\rho = 1000$ kg/m^3

Phantom section: Left Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1610; ConvF(5.49, 5.49, 5.49); Calibrated: 11/7/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn448; Calibrated: 11/5/2008
- Phantom: SAM-1; Type: SAM; Serial: 1437
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172
  Touch position - High/Area Scan (71x111x1): Measurement grid: dx=10mm, dy=10mm
  Maximum value of SAR (interpolated) = 1.07 mW/g
  Touch position - High/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
  Reference Value = 11.1 V/m; Power Drift = 0.012 dB
  Peak SAR (extrapolated) = 1.37 W/kg
  SAR(1 g) = 0.993 mW/g; SAR(10 g) = 0.642 mW/g
  Maximum value of SAR (measured) = 1.08 mW/g

0 dB = 1.08mW/g

Test Laboratory: Sony Ericsson Mobile Communications International AB

Rachael-LeftHandSide-WLAN-Tilt-Middle

DUT: Rachael; Type:DUT; Serial:#16745

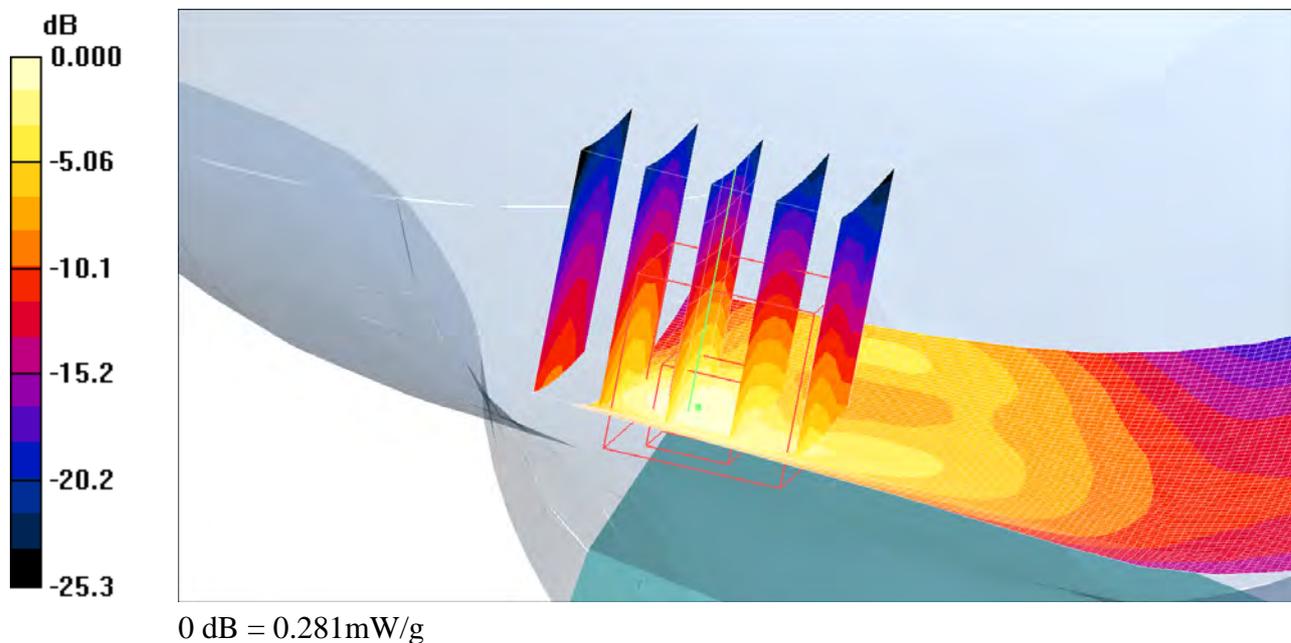Communication System: WLAN; Frequency: 2437 MHz;Duty Cycle: 1:1

Medium parameters used: f = 2437 MHz; σ = 1.87 mho/m; ε_r = 37.5; ρ = 1000 kg/m^3

Phantom section: Left Section
Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1611; ConvF(4.56, 4.56, 4.56); Calibrated: 12/10/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn449; Calibrated: 12/10/2008
- 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 (71x111x1): Measurement grid: dx=10mm, dy=10mm
 Maximum value of SAR (interpolated) = 0.296 mW/g
  Tilt position - Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid:
  dx=8mm, dy=8mm, dz=5mm
  Reference Value = 11.5 V/m; Power Drift = -0.192 dB
  Peak SAR (extrapolated) = 0.550 W/kg
  SAR(1 g) = 0.237 mW/g; SAR(10 g) = 0.106 mW/g
  Maximum value of SAR (measured) = 0.281 mW/g

0 dB = 0.281mW/g

Test Laboratory: Sony Ericsson Mobile Communications International AB

Rachael-LeftHandSide-WLAN-Touch-Middle

DUT: Rachael; Type:DUT; Serial:#16745

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

Medium parameters used: f = 2437 MHz; σ = 1.87 mho/m; $ε_r$ = 37.5; ρ = 1000 kg/m^3

Phantom section: Left Section
Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1611; ConvF(4.56, 4.56, 4.56); Calibrated: 12/10/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn449; Calibrated: 12/10/2008
- 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 (71x111x1): Measurement grid: dx=10mm, dy=10mm
  Maximum value of SAR (interpolated) = 0.417 mW/g
  Touch position - Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
  Reference Value = 14.2 V/m; Power Drift = -0.234 dB
  Peak SAR (extrapolated) = 0.776 W/kg
  SAR(1 g) = 0.334 mW/g; SAR(10 g) = 0.150 mW/g
  Maximum value of SAR (measured) = 0.409 mW/g
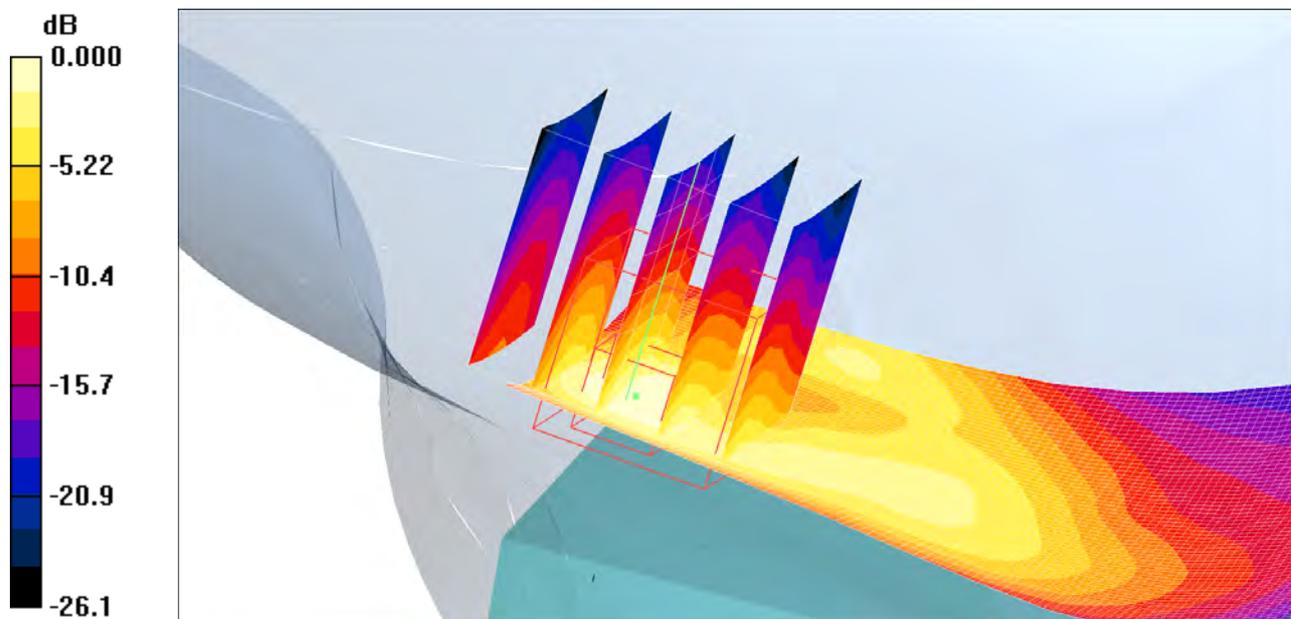
0 dB = 0.409mW/g

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Test Laboratory: Sony Ericsson Mobile Communications International AB

Rachael-RightHandSide-GSM1800-Tilt-Middle
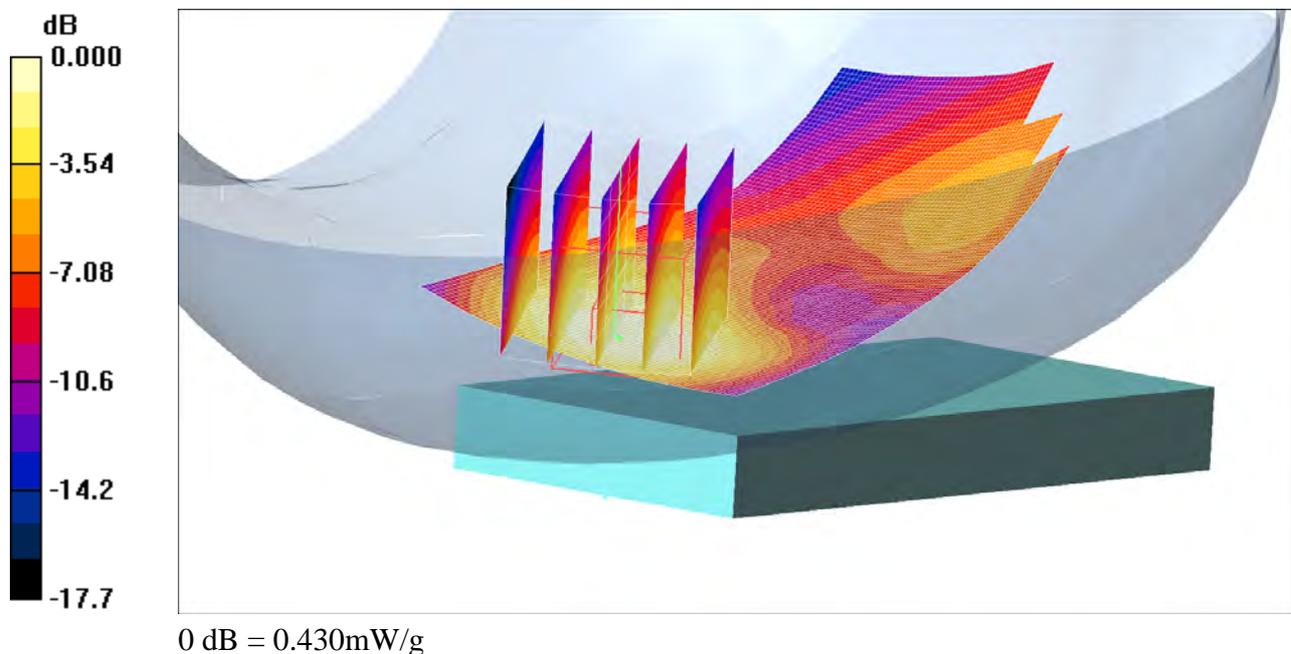
DUT: Rachael; Type:DUT; Serial:#16447

Communication System: WCDMA Band4; Frequency: 1732.6 MHz;Duty Cycle: 1:1

Medium parameters used: f = 1732.6 MHz; σ = 1.3 mho/m; ε_r = 38.9; ρ = 1000 kg/m^3

Phantom section: Right Section
Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1610; ConvF(5.49, 5.49, 5.49); Calibrated: 11/7/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn448; Calibrated: 11/5/2008
- 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 (71x111x1): Measurement grid: dx=10mm, dy=10mm
  Maximum value of SAR (interpolated) = 0.445 mW/g
  Tilt position - Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid:
  dx=8mm, dy=8mm, dz=5mm
  Reference Value = 18.1 V/m; Power Drift = 0.057 dB
  Peak SAR (extrapolated) = 0.559 W/kg
  SAR(1 g) = 0.400 mW/g; SAR(10 g) = 0.249 mW/g
  Maximum value of SAR (measured) = 0.430 mW/g

0 dB = 0.430mW/g

Test Laboratory: Sony Ericsson Mobile Communications International AB

Rachael-RightHandSide-GSM1800-Touch-Middle

DUT: Rachael; Type:DUT; Serial:#16447

Communication System: WCDMA Band4; Frequency: 1732.6 MHz;Duty Cycle: 1:1

Medium parameters used: f = 1732.6 MHz; σ = 1.3 mho/m; ε_r = 38.9; ρ = 1000 kg/m^3

Phantom section: Right Section
Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1610; ConvF(5.49, 5.49, 5.49); Calibrated: 11/7/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn448; Calibrated: 11/5/2008
- 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 (71x111x1): Measurement grid: dx=10mm, dy=10mm
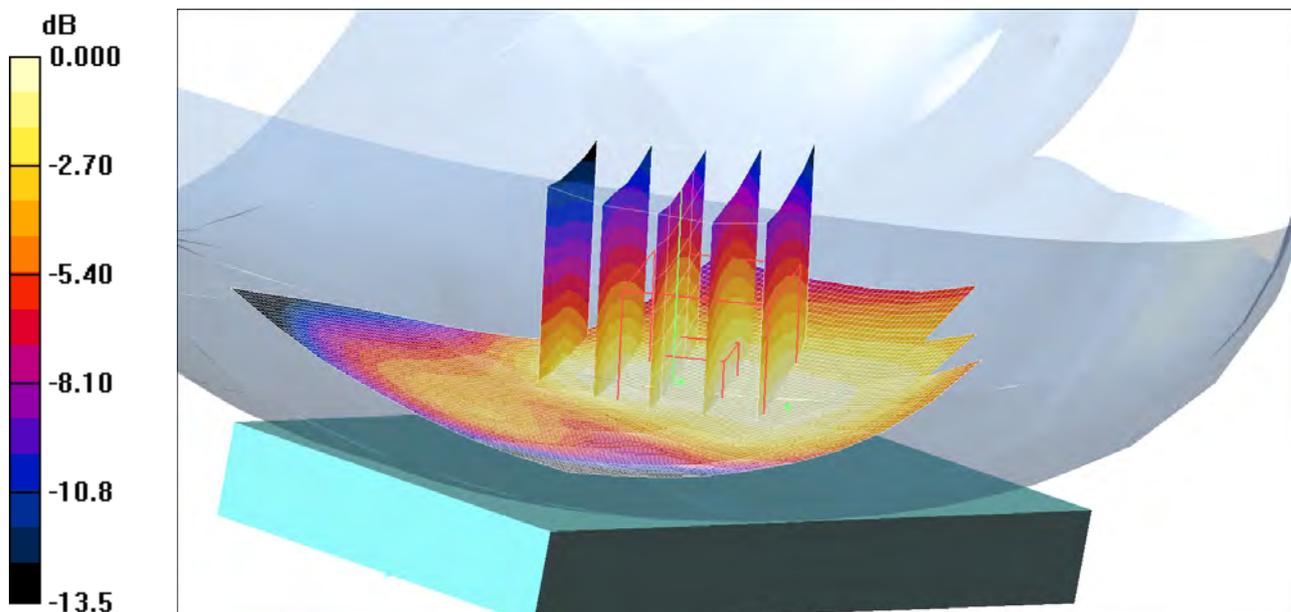 Maximum value of SAR (interpolated) = 0.673 mW/g
  Touch position - Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
  Reference Value = 13.0 V/m; Power Drift = -0.001 dB
  Peak SAR (extrapolated) = 0.779 W/kg
  SAR(1 g) = 0.630 mW/g; SAR(10 g) = 0.445 mW/g
  Maximum value of SAR (measured) = 0.671 mW/g

0 dB = 0.671mW/g

Date/Time: 10/14/2009 1:54:09 PM

Test Laboratory: Sony Ericsson Mobile Communications International AB

Rachael-RightHandSide-GSM1900-Tilt-Middle

DUT: Rachael; Type:DUT; Serial:#16447

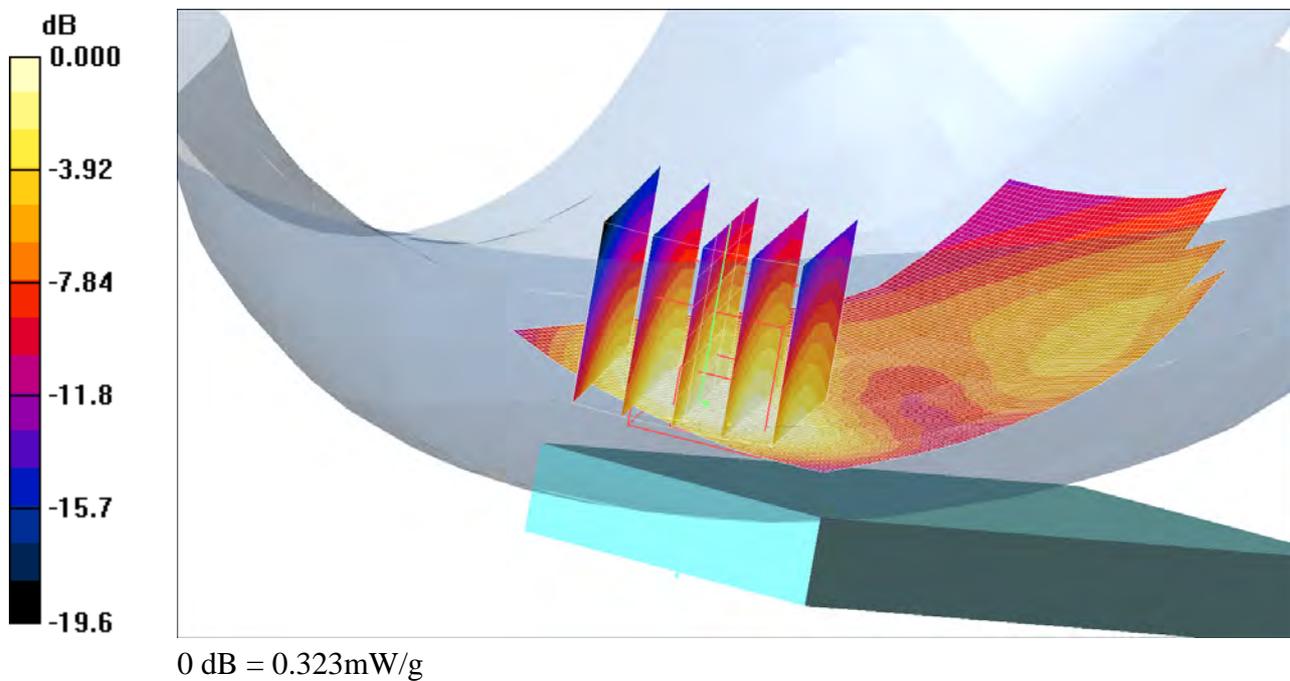Communication System: DCS 1900; Frequency: 1880 MHz;Duty Cycle: 1:8.3

Medium parameters used: f = 1880 MHz; σ = 1.44 mho/m; ε_r = 38.1; ρ = 1000 kg/m^3

Phantom section: Right Section
Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1610; ConvF(5.2, 5.2, 5.2); Calibrated: 11/7/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn448; Calibrated: 11/5/2008
- 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 (71x111x1): Measurement grid: dx=10mm, dy=10mm
  Maximum value of SAR (interpolated) = 0.341 mW/g
  Tilt position - Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid:
  dx=8mm, dy=8mm, dz=5mm
  Reference Value = 14.5 V/m; Power Drift = 0.135 dB
  Peak SAR (extrapolated) = 0.446 W/kg
  SAR(1 g) = 0.299 mW/g; SAR(10 g) = 0.178 mW/g
  Maximum value of SAR (measured) = 0.323 mW/g

0 dB = 0.323mW/g

Test Laboratory: Sony Ericsson Mobile Communications International AB

Rachael-RightHandSide-GSM1900-Touch-Middle

DUT: Rachael; Type:DUT; Serial:#16447

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

Medium parameters used: f = 1880 MHz; σ = 1.44 mho/m; ε_r = 38.1; ρ = 1000 kg/m^3

Phantom section: Right Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1610; ConvF(5.2, 5.2, 5.2); Calibrated: 11/7/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn448; Calibrated: 11/5/2008
- 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 (71x111x1): Measurement grid: dx=10mm, dy=10mm
  Maximum value of SAR (interpolated) = 0.759 mW/g
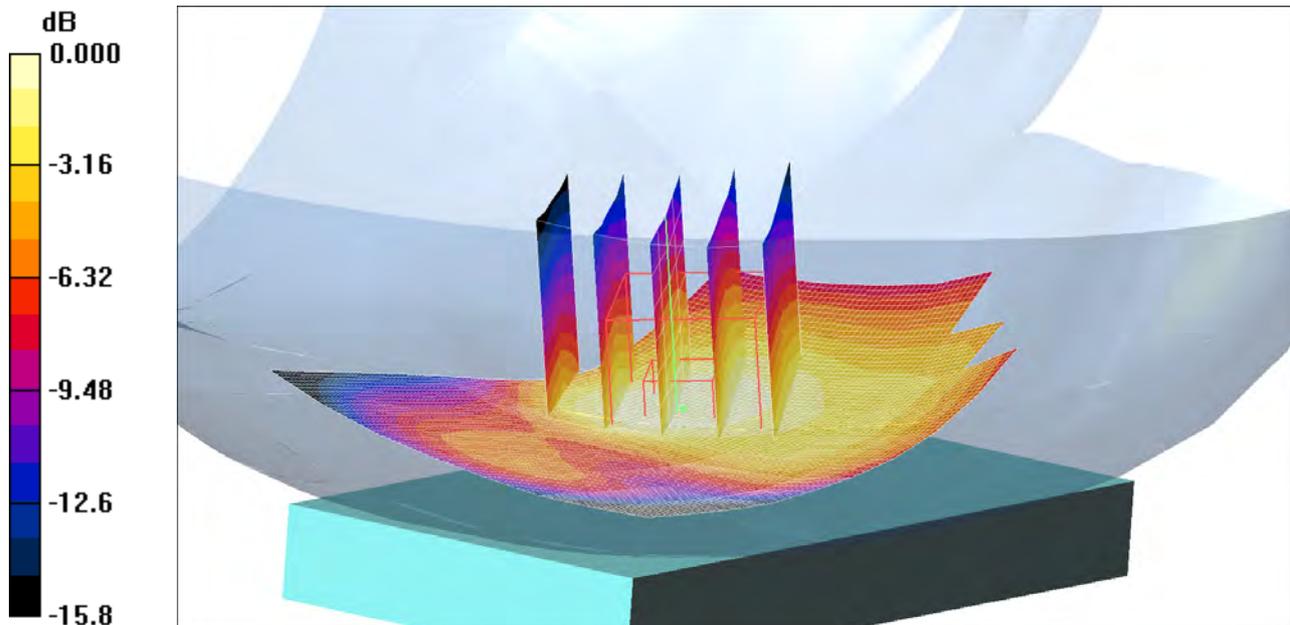 **Touch position - Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
  Reference Value = 11.2 V/m; Power Drift = -0.043 dB
  Peak SAR (extrapolated) = 0.993 W/kg
  SAR(1 g) = 0.695 mW/g; SAR(10 g) = 0.435 mW/g
  Maximum value of SAR (measured) = 0.757 mW/g

0 dB = 0.757mW/g

Test Laboratory: Sony Ericsson Mobile Communications International AB

Rachael-RightHandSide-GSM850-Tilt-Middle

DUT: Rachael; Type:DUT; Serial:#16447

Communication System: GSM 850; Frequency: 836.6 MHz;Duty Cycle: 1:8.3
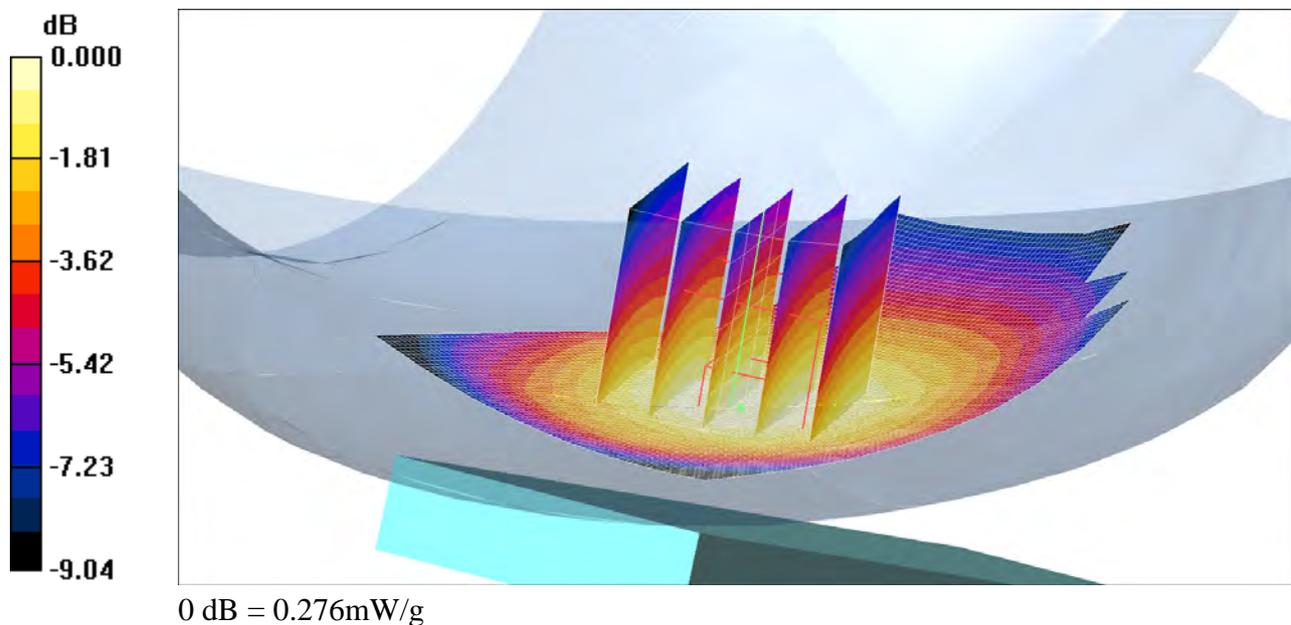
Medium parameters used: f = 836.6 MHz; σ = 0.9 mho/m; ε_r = 41.6; ρ = 1000 kg/m^3

Phantom section: Right Section
Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1610; ConvF(6.2, 6.2, 6.2); Calibrated: 11/7/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn448; Calibrated: 11/5/2008
- 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 (71x111x1): Measurement grid: dx=10mm, dy=10mm
  Maximum value of SAR (interpolated) = 0.276 mW/g
  Tilt position - Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid:
  dx=8mm, dy=8mm, dz=5mm
  Reference Value = 12.3 V/m; Power Drift = 0.006 dB
  Peak SAR (extrapolated) = 0.308 W/kg
  SAR(1 g) = 0.262 mW/g; SAR(10 g) = 0.198 mW/g
  Maximum value of SAR (measured) = 0.276 mW/g

0 dB = 0.276mW/g

Test Laboratory: Sony Ericsson Mobile Communications International AB

Rachael-RightHandSide-GSM850-Touch-Middle

DUT: Rachael; Type:DUT; Serial:#16447

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

Medium parameters used: f = 836.6 MHz; σ = 0.9 mho/m; ε_r = 41.6; ρ = 1000 kg/m^3

Phantom section: Right Section
Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1610; ConvF(6.2, 6.2, 6.2); Calibrated: 11/7/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn448; Calibrated: 11/5/2008
- 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 (71x111x1): Measurement grid: dx=10mm, dy=10mm
  Maximum value of SAR (interpolated) = 0.402 mW/g
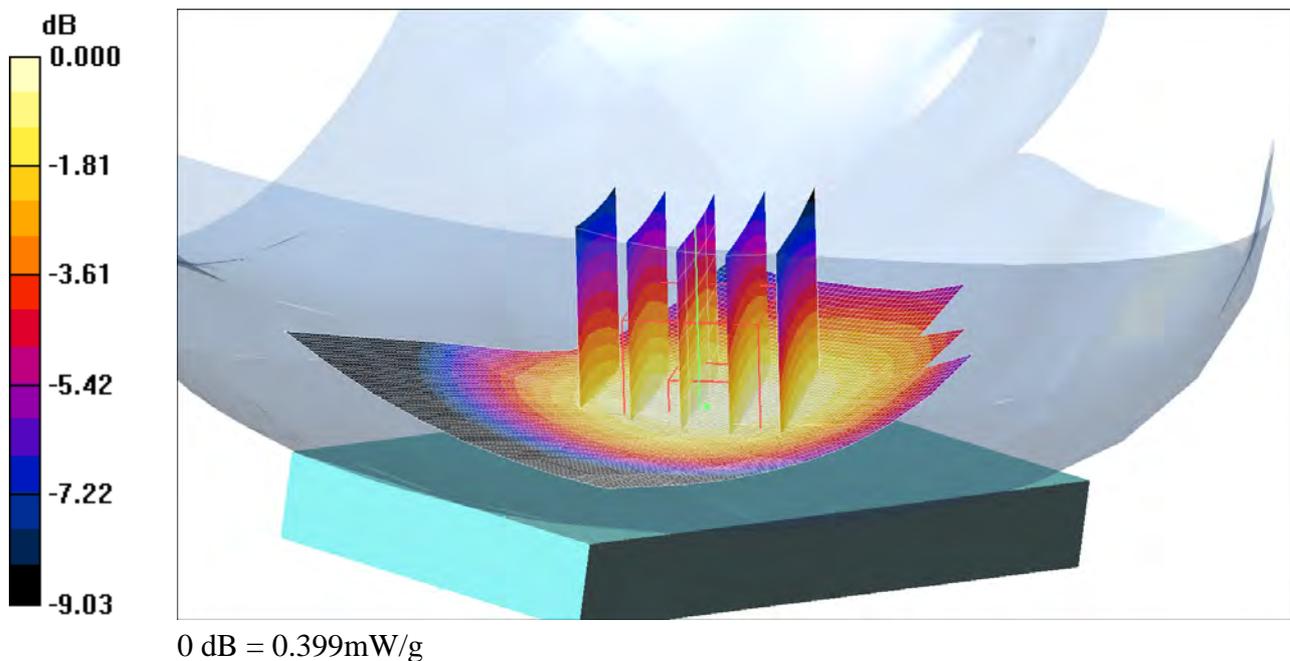 **Touch position - Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
  Reference Value = 7.42 V/m; Power Drift = -0.080 dB
  Peak SAR (extrapolated) = 0.439 W/kg
  SAR(1 g) = 0.376 mW/g; SAR(10 g) = 0.287 mW/g
  Maximum value of SAR (measured) = 0.399 mW/g

0 dB = 0.399mW/g

Test Laboratory: Sony Ericsson Mobile Communications International AB

Rachael-RightHandSide-WLAN-Tilt-Middle

DUT: Rachael; Type:DUT; Serial:#16745

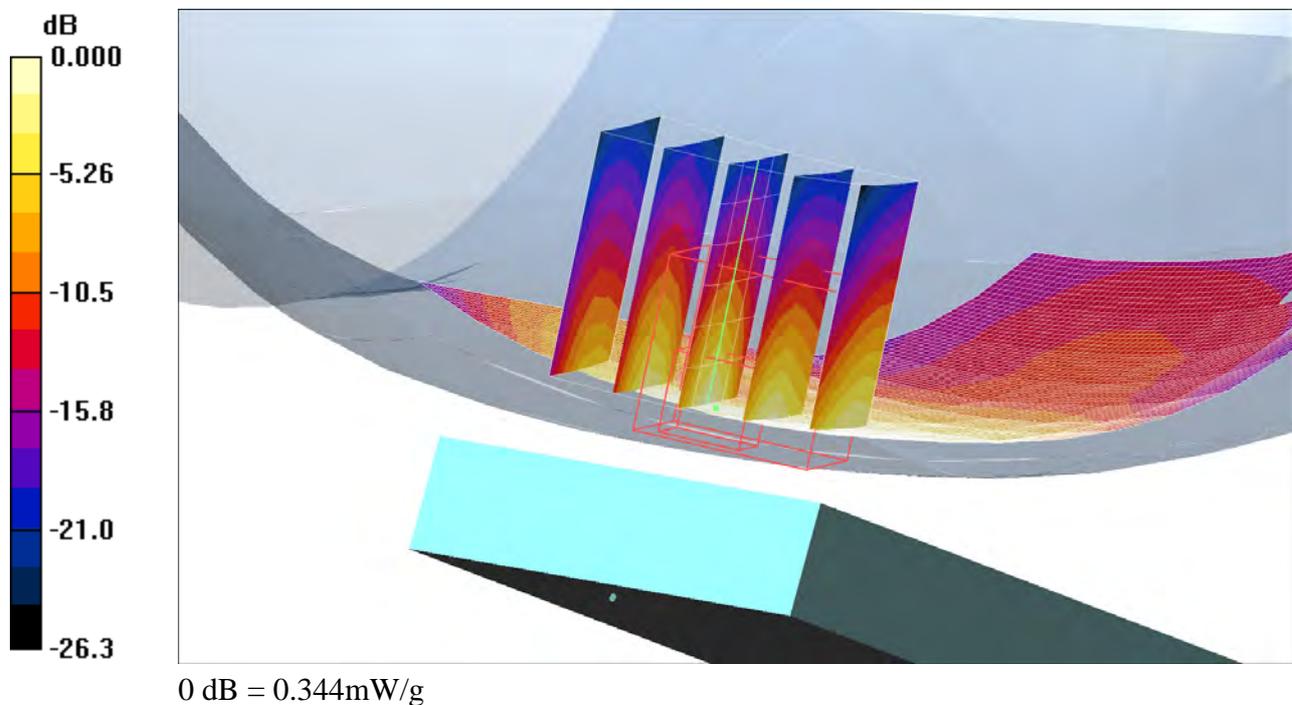Communication System: WLAN; Frequency: 2437 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2437 MHz; σ = 1.87 mho/m; ε_r = 37.5; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1611; ConvF(4.56, 4.56, 4.56); Calibrated: 12/10/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn449; Calibrated: 12/10/2008
- 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 (71x111x1): Measurement grid: dx=10mm, dy=10mm
  Maximum value of SAR (interpolated) = 0.324 mW/g
  Tilt position - Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid:
  dx=8mm, dy=8mm, dz=5mm
  Reference Value = 12.6 V/m; Power Drift = 0.027 dB
  Peak SAR (extrapolated) = 0.686 W/kg
  SAR(1 g) = 0.281 mW/g; SAR(10 g) = 0.123 mW/g
  Maximum value of SAR (measured) = 0.344 mW/g

0 dB = 0.344mW/g

Date/Time: 11/16/2009 12:41:25 PM

Test Laboratory: Sony Ericsson Mobile Communications International AB

Rachael-RightHandSide-WLAN-Touch-Middle

DUT: Rachael; Type:DUT; Serial:#16745

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

Medium parameters used: f = 2437 MHz; σ = 1.87 mho/m; ε_r = 37.5; ρ = 1000 kg/m^3

Phantom section: Right Section
Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1611; ConvF(4.56, 4.56, 4.56); Calibrated: 12/10/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn449; Calibrated: 12/10/2008
- 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 (71x111x1): Measurement grid: dx=10mm, dy=10mm
  Maximum value of SAR (interpolated) = 0.524 mW/g
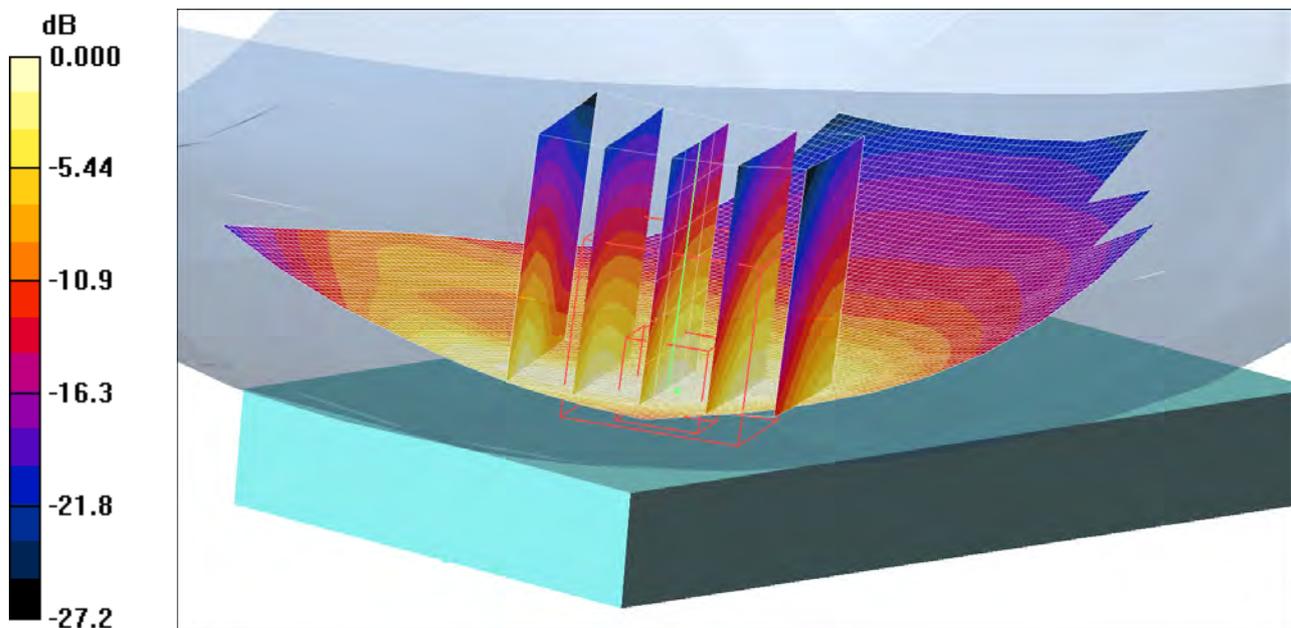 **Touch position - Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
  Reference Value = 13.2 V/m; Power Drift = 0.072 dB
  Peak SAR (extrapolated) = 1.01 W/kg
  SAR(1 g) = 0.463 mW/g; SAR(10 g) = 0.219 mW/g
  Maximum value of SAR (measured) = 0.522 mW/g

0 dB = 0.522mW/g