Sony Ericsson

Company Internal
REPORT

Prepared (also subject responsible if other)		No.		
BA/SEMC/CVVBAU Nathan Shaw		*CVDVBA11:380*		
Approved	Checked	Date	Rev	Reference
BA/SEMC/CVVBAU Jon Kenny	JK	*110819*	A	File

Test Report issued by Accredited SAR Laboratory

for

FCC ID: PY7A3880122 (ST17a)

to

FCC OET BULLETIN 65 SUPPLEMENT C 01-01
IEEE STD 1528:2003
IC RSS-102 ISSUE 4

Date of test: 2011-07-20 to 2011-08-03

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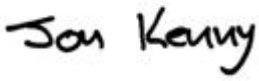

Statement of Compliance
Sony Ericsson Mobile Communications AB declares under its sole responsibility that the product

Sony Ericsson Type AAD-3880122-BV; FCC ID PY7A3880122; IC 4170B-A3880122

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).

SWEDAC ACKREDITERING 1847 ISO/IEC 17025

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1 Introduction

In this test report, compliance of the Sony Ericsson FCC ID: PY7A3880122 (ST17a) 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 Mob Comm AB
Address:	Nya Vattentornet Lund 22188 Sweden
Contact Name:	Anders Petersson

3 Device Under Test

3.1 Antenna Description

Type	Internal antenna	
Location	Top of phone	
Main and WLAN antennas distance	53.9 mm	
Dimensions	Max length	18.7 mm
	Max width	50.1 mm
Configuration	DMA	

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3.2 Device Description

Device model	AAD-3880122-BV											
Market name	ST17a											
Serial number (EUT #)	CB5A1EZR7P (#20658) CB5A1EZR8P (#20659) CB5A1EZR7J (#20662) (WLAN)											
Mode (EUT #)	GSM 850 (#20658)			GSM1900 (#20658)			GSM 850 (#20659)			GSM 1900 (#20659)		
Crest factor	8			8			8			8		
Multiple access scheme	TDMA			TDMA			TDMA			TDMA		
Channel No.	128	190	251	512	661	885	128	190	251	512	661	885
Measured Power Level [dBm] [1]	33.4	33.4	33.4	30.6	30.5	30.4	33.4	33.5	33.4	30.3	30.4	30.3
Product Maximum power Level [dBm][1]	33.5	33.5	33.5	30.5	30.5	30.5	33.5	33.5	33.5	30.5	30.5	30.5
Data mode	GPRS			GPRS			GPRS			GPRS		
Crest factor	4.15 (2TX)			4.15 (2TX)			4.15 (2TX)			4.15 (2TX)		
Measured Power Level [dBm] [1]	30.5	30.4	30.5	28.6	28.5	28.3	30.6	30.7	30.6	28.3	28.4	28.3
Product Maximum power Level [dBm][1]	30.5	30.5	30.5	28.5	28.5	28.5	30.5	30.5	30.5	28.5	28.5	28.5
Crest factor	3.1125 (3TX)			3.1125 (3TX)			3.1125 (3TX)			3.1125 (3TX)		
Measured Power Level [dBm] [1]	28.6	28.5	28.5	27.6	27.5	27.4	28.7	28.4	28.3	27.3	27.6	27.3
Product Maximum power Level [dBm][1]	28.5	28.5	28.5	27.5	27.5	27.5	28.5	28.5	28.5	27.5	27.5	27.5
Crest factor	2.075 (4TX)			2.075 (4TX)			2.075 (4TX)			2.075 (4TX)		
Measured Power Level [dBm] [1]	26.5	26.5	26.5	26.5	26.4	26.3	26.6	26.6	26.7	26.7	26.6	26.3
Product Maximum power Level [dBm][1]	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5
Data mode	EDGE			EDGE			EDGE			EDGE		
Crest factor	4.15 (2TX)			4.15 (2TX)			4.15 (2TX)			4.15 (2TX)		
Measured Power Level [dBm] [1]	26.1	26.1	26.1	24.9	25.0	24.9	26.2	26.1	26.0	25.0	24.9	24.8
Product Maximum power Level [dBm][1]	26.0	26.0	26.0	25.0	25.0	25.0	26.0	26.0	26.0	25.0	25.0	25.0
Crest factor	3.1125 (3TX)			3.1125 (3TX)			3.1125 (3TX)			3.1125 (3TX)		
Measured Power Level [dBm] [1]	25.0	25.1	25.0	23.8	24.0	23.8	25.0	24.9	24.9	23.9	24.0	23.8
Product Maximum power Level [dBm][1]	25.0	25.0	25.0	24.0	24.0	24.0	25.0	25.0	25.0	24.0	24.0	24.0
Crest factor	2.075 (4TX)			2.075 (4TX)			2.075 (4TX)			2.075 (4TX)		
Measured Power Level [dBm] [1]	23.9	23.9	24.0	23.1	23.0	22.8	24.0	23.9	23.9	23.1	23.0	22.9
Product Maximum power Level [dBm][1]	24.0	24.0	24.0	23.0	23.0	23.0	24.0	24.0	24.0	23.0	23.0	23.0
Transmitting frequency range [MHz]	824.0 - 849.0			1850.0 - 1910.0			824.0 - 849.0			1850.0 - 1910.0		

GPRS Multislot class	12
EDGE class	12
GPRS Capability class	B
BT class and conducted power	Class 1 10 mW
Prototype or production unit	Preproduction
Hardware Version	AP1
Software version	4.0.1.A.0.57 S_atp_satsuma_1_0_34 (WLAN #20662)
Device category	Portable
RF exposure environment	General population / uncontrolled

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Mode	UMTS 2			UMTS 5		
Crest factor	1			1		
Multiple access scheme	WCDMA			WCDMA		
Channel No.	9262	9400	9538	4132	4183	4233
Measured Power Level [dBm] [1] **(#20658) Circuit switched**	23.1	23.2	23.2	23.9	23.8	24.0
Measured Power Level [dBm] [1] **(#20658) HSPA**	23.2	23.1	23.2	23.9	24.0	24.0
Measured Power Level [dBm] [1] **(#20659) Circuit switched**	23.1	23.3	23.3	24.0	24.0	24.0
Measured Power Level [dBm] [1] **(#20659) HSPA**	23.1	23.3	23.2	23.9	24.0	24.0
Product Maximum power Level [dBm][1]	23.3	23.3	23.3	23.8	23.8	23.8
Data Mode	(See section 3.3)			(See section 3.3)		
Transmitting frequency range [MHz]	1852.4 – 1907.6			826.4 – 846.6		

WLAN Output Power				
Mode	Max Output Power [1] (dBm)	EUT (#20662) Measured Ave Power (dBm) [1]		
		Ch 1	Ch 6	Ch11
802.11b 1Mbit/sec	17.0	17.0	16.5	17.0
802.11b 2Mbit/sec		17.1	16.6	17.0
802.11b 5.5Mbit/sec		17.0	16.5	16.9
802.11b 11Mbit/sec		17.0	16.5	16.9
802.11g 6Mbit/sec	17.0	16.9	16.3	16.8
802.11g 9Mbit/sec		16.8	16.3	16.8
802.11g 12Mbit/sec	16.5	16.4	15.9	16.3
802.11g 18Mbit/sec		16.4	15.9	16.3
802.11g 24Mbit/sec		16.3	15.9	16.3
802.11g 36Mbit/sec		16.3	15.8	16.3
802.11g 48Mbit/sec		16.4	15.9	16.3
802.11g 54Mbit/sec		16.4	15.9	16.3
802.11n 6.5Mbit/sec	17.0	16.8	16.2	16.8
802.11n 13Mbit/sec	16.5	16.3	15.7	16.3
802.11n 19.5Mbit/sec		16.3	15.9	16.3
802.11n 26Mbit/sec		16.3	15.8	16.3
802.11n 39Mbit/sec		16.3	15.7	16.3
802.11n 52Mbit/sec		16.3	15.7	16.1
802.11n 58.5Mbit/sec		16.3	15.7	16.1
802.11n 65Mbit/sec		15.8	15.3	15.8

[1] These values are supplied by the customer

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WLAN Output Power			
Mode	EUT (#20662) Measured Peak Power (dBm) [1]		
	Ch 1	Ch 6	Ch 11
802.11b 1Mbit/sec	18.9	18.0	19.1
802.11b 2Mbit/sec	19.2	18.7	19.1
802.11b 5.5Mbit/sec	18.8	18.3	18.8
802.11b 11Mbit/sec	19.0	18.4	18.9
802.11g 6Mbit/sec	25.3	24.5	24.8
802.11g 9Mbit/sec	25.1	24.4	24.8
802.11g 12Mbit/sec	25.0	24.3	24.6
802.11g 18Mbit/sec	25.0	24.2	24.5
802.11g 24Mbit/sec	24.6	24.0	24.3
802.11g 36Mbit/sec	24.6	24.0	24.2
802.11g 48Mbit/sec	24.6	24.2	24.1
802.11g 54Mbit/sec	24.5	23.9	24.1
802.11n 6.5Mbit/sec	25.3	24.6	24.8
802.11n 13Mbit/sec	24.9	24.1	24.7
802.11n 19.5Mbit/sec	25.0	24.3	24.6
802.11n 26Mbit/sec	24.7	24.1	24.4
802.11n 39Mbit/sec	24.6	24.0	24.3
802.11n 52Mbit/sec	24.6	23.9	24.0
802.11n 58.5Mbit/sec	24.5	23.8	24.1
802.11n 65Mbit/sec	24.2	23.5	23.9

[1] These values are supplied by the customer

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
△ACK=5 △NACK=5 △CQI=2

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

EUT# 20658					Band 2				Band 5	
				Freq(MHz)	1852,4	1880,0	1907,6	826,4	836,4	846,6
	βC	βD	ΔHS	max->	24,6	24,6	24,6	24,6	24,6	24,6
CS - RMC	8	15	-		23.10	23.20	23.20	23.90	24.00	24.00
CS - voice	8	15	-		23.00	23.10	23.20	23.90	24.00	24.10
HSDPA - 1	2	15	8		23.20	23.30	23.30	23.60	23.60	23.80
HSDPA - 2	12	15	8		23.20	23.40	23.30	23.70	23.70	23.80
HSDPA - 3	15	8	8		22.60	22.80	22.80	23.20	23.20	23.40
HSDPA - 4	15	4	8		22.70	22.90	22.80	23.20	23.20	23.30

EUT# 20659					Band 2				Band 5	
				Freq.(MHz)	1852,4	1880,0	1907,6	826,4	836,4	846,6
	βC	βD	ΔHS	max->	24,6	24,6	24,6	24,6	24,6	24,6
CS - RMC	8	15	-		23.10	23.30	23.30	23.90	23.90	24.00
CS - voice	8	15	-		23.20	23.30	23.20	23.90	24.00	23.90
HSDPA - 1	2	15	8		23.10	23.40	23.30	23.80	23.90	24.00
HSDPA - 2	12	15	8		23.20	23.50	23.30	23.90	23.90	24.00
HSDPA - 3	15	8	8		22.70	22.90	22.90	23.50	23.50	23.50
HSDPA - 4	15	4	8		22.70	22.90	22.90	23.50	23.40	23.50

The measured 1-gram averaged SAR values of the device against head and body are provided in the results chapter. 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, △ACK=5, △NACK=5, △CQI=2

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

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

Sub-test	$ß_c$	$ß_d$	$ß_d$ (SF)	$ß_c/ß_d$	$ß_{hs}$[1]	$ß_{ec}$	$ß_{ed}$	$ß_{ec}$ (SF)	$ß_{ed}$ (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	$ß_{ed1}$:47/15 $ß_{ed2}$: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: Δ_{ACK}, Δ_{NACK}, Δ_{CQI} = 8 <==> $A_{hs} = ß_{hs}/ß_c$ = 30/15 <==> $ß_{hs}$ = 30/15 * $ß_c$
Note 2: CM = 1 for $ß_c/ß_d$ = 12/15, $ß_{hs}/ß_c$ = 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 $ß_c/ß_d$ 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 $ß_c$ = 10/15 and $ß_d$ = 15/15
Note 4: For sub-test 5 the $ß_c/ß_d$ 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 $ß_c$ = 14/15 and $ß_d$ = 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: $ß_{ed}$ cannot be set directly; it is set by Absolute Grant Value

EUT# 20658		Band 2			Band 5		
	Freq. (MHz)	1852,4	1880,0	1907,6	826,4	836,4	846,6
	max->	24,6	24,6	24,6	24,6	24,6	24,6
HSUPA - Sub-test 1		23.00	22.40	22.50	23.40	23.30	23.40
HSUPA - Sub-test 2		21.80	21.60	21.80	21.70	22.10	22.20
HSUPA - Sub-test 3		21.80	22.50	22.00	22.40	22.20	22.30
HSUPA - Sub-test 4		22.00	21.80	21.90	22.10	22.50	22.60
HSUPA - Sub-test 5		22.90	23.40	22.60	23.40	23.30	23.40

EUT# 20659		Band 2			Band 5		
	Freq. (MHz)	1852,4	1880,0	1907,6	826,4	836,4	846,6
	max->	24,6	24,6	24,6	24,6	24,6	24,6
HSUPA - Sub-test 1		23.00	23.40	23.00	23.30	23.50	23.60
HSUPA - Sub-test 2		21.70	21.70	21.80	22.40	22.50	21.90
HSUPA - Sub-test 3		21.90	22.50	21.90	22.70	22.90	22.50
HSUPA - Sub-test 4		21.70	21.90	22.00	22.50	22.70	22.80
HSUPA - Sub-test 5		22.60	23.30	23.00	23.40	23.50	23.60

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.

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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.

SAR System 1

Description	Inventory Number	Due Date
Signal generator HP SMY02	3.110	2012-05
Directional coupler HP778D	15.233	None
Power meter R&S NRVD	FB000511	2012-05
Power sensor R&S NRV-Z5	FB000512	2012-05
Power sensor R&S NRV-Z5	FB000513	2012-05
Network analyzer Agilent 8719D	2.022	2012-05
Dielectric probe kit HP8507C	14.046	Self Cal
R&S CMU200	FB000540	2012-05
DASY4 DAE3	448	2011-11
E-field probe ET3DV6	1610	2011-11

SAR System 2 & 3

Description	Inventory Number	Due Date
Signal generator HP E4433B	1.045	2012-05
Directional coupler HP778D	FB000506	None
Power meter R&S NRVD	4.073	2012-05
Power sensor R&S NRV-Z5	4.074	2012-05
Power sensor R&S NRV-Z5	4.076	2012-05
R&S CMU200	FB000539	2015-05
DASY4 DAE3	415	2011-11
E-field probe ET3DV6	1539	2011-11
DASY4 DAE3	417	2011-11
E-field probe ET3DV6	1584	2011-11

Dipoles

Description	Serial Number	Due Date
Dipole Validation Kit, D835V2	438	2012-05
Dipole Validation Kit, D1900V2	539	2012-10
Dipole Validation Kit, D2450V2	721	2012-10

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, 2011-07-20	42.78	0.90	1.00
		Recommended	41.50	0.90	1.00
835	Head	Measured, 2011-07-25	41.36	0.87	1.00
		Recommended	41.50	0.90	1.00
835	Body	Measured, 2011-07-20	53.04	0.98	1.00
		Recommended	55.20	0.97	1.00
835	Body	Measured, 2011-07-21	52.54	0.97	1.00
		Recommended	55.20	0.97	1.00
835	Body	Measured, 2011-07-27	52.94	0.96	1.00
		Recommended	55.20	0.97	1.00
1900	Head	Measured, 2011-08-02	38.58	1.41	1.00
		Recommended	40.00	1.40	1.00
1900	Head	Measured, 2011-08-03	38.28	1.41	1.00
		Recommended	40.00	1.40	1.00
1900	Body	Measured, 2011-07-22	51.45	1.52	1.00
		Recommended	53.30	1.52	1.00
1900	Body	Measured, 2011-07-25	51.32	1.54	1.00
		Recommended	53.30	1.52	1.00
1900	Body	Measured, 2011-07-26	51.09	1.53	1.00
		Recommended	53.30	1.52	1.00
1900	Body	Measured, 2011-07-29	50.98	1.53	1.00
		Recommended	53.30	1.52	1.00
2450	Head	Measured, 2011-08-02	37.36	1.85	1.00
		Recommended	39.20	1.80	1.00
2450	Body	Measured, 2011-07-28	50.30	1.96	1.00
		Recommended	52.70	1.95	1.00

5.1 Dielectrics parameters for test frequencies

Band	Ch	Frequency (MHz)	Parameters	
GSM 850 Head	128	824.2	ε_r	42.94
			σ	0.889
	190	836.6	ε_r	42.8
			σ	0.903
	251	848.8	ε_r	42.62
			σ	0.913
GSM 850 Body	128	824.2	ε_r	53.1
			σ	0.948
	190	836.6	ε_r	52.9
			σ	0.96
	251	848.8	ε_r	52.8
			σ	0.971
GSM 1900 Head	512	1850.2	ε_r	38.79
			σ	1.36
	661	1880.0	ε_r	38.7
			σ	1.39
	810	1909.8	ε_r	38.55
			σ	1.419
GSM 1900 Body	512	1850.2	ε_r	51.1
			σ	1.48
	661	1880.0	ε_r	51.0
			σ	1.51
	810	1909.8	ε_r	51.0
			σ	1.54
UMTS 2 Head	9262	1852.4	ε_r	38.50
			σ	1.37
	9400	1880.0	ε_r	38.40
			σ	1.39
	9538	1907.6	ε_r	38.30
			σ	1.421
UMTS 2 Body	9262	1852.4	ε_r	51.20
			σ	1.48
	9400	1880.0	ε_r	51.10
			σ	1.51
	9538	1907.6	ε_r	51.10
			σ	1.54
UMTS 5 Head	4132	826.4	ε_r	41.50
			σ	0.866
	4183	836.6	ε_r	41.30
			σ	0.876
	4233	846.6	ε_r	41.24
			σ	0.884
UMTS 5 Body	4132	826.4	ε_r	52.60
			σ	0.967
	4183	836.6	ε_r	52.50
			σ	0.977
	4233	846.6	ε_r	52.5
			σ	0.986
WLAN Head	1	2412.0	ε_r	37.50
			σ	1.80
	6	2437.0	ε_r	37.40
			σ	1.83
	11	2462.0	ε_r	37.28
			σ	1.87
WLAN Body	1	2412.0	ε_r	50.80
			σ	1.90
	6	2437.0	ε_r	50.70
			σ	1.94
	11	2462.0	ε_r	50.60
			σ	1.97

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_0 [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, 2011-07-20	10.16	42.78	0.90	1.00	24.1
		Reference	9.61	41.50	0.90	1.00	22.0
835	Head	Measured, 2011-07-25	9.96	41.36	0.87	1.00	23.1
		Reference	9.61	41.50	0.90	1.00	22.0
835	Body	Measured, 2011-07-20	10.32	53.04	0.98	1.00	23.3
		Reference	9.80	55.20	0.97	1.00	22.0
835	Body	Measured, 2011-07-21	10.60	52.54	0.97	1.00	23.1
		Reference	9.80	55.20	0.97	1.00	22.0
835	Body	Measured, 2011-07-27	10.16	52.94	0.96	1.00	23.4
		Reference	9.80	55.20	0.97	1.00	22.0
1900	Head	Measured, 2011-08-02	36.36	38.58	1.41	1.00	23.2
		Reference	39.10	40.00	1.40	1.00	22.0
1900	Head	Measured, 2011-08-03	35.92	38.28	1.41	1.00	22.5
		Reference	39.10	40.00	1.40	1.00	22.0
1900	Body	Measured, 2011-07-22	36.16	51.45	1.52	1.00	23.4
		Reference	39.70	53.30	1.52	1.00	22.0
1900	Body	Measured, 2011-07-25	37.24	51.32	1.54	1.00	23.4
		Reference	39.70	53.30	1.52	1.00	22.0
1900	Body	Measured, 2011-07-26	36.92	51.09	1.53	1.00	23.7
		Reference	39.70	53.30	1.52	1.00	22.0
1900	Body	Measured, 2011-07-29	35.92	50.98	1.53	1.00	23.2
		Reference	39.70	53.30	1.52	1.00	22.0
2450	Head	Measured, 2011-08-02	56.40	37.36	1.85	1.00	23.9
		Reference	53.00	39.20	1.80	1.00	22.0
2450	Body	Measured, 2011-07-28	56.40	50.30	1.96	1.00	23.5
		Reference	51.50	52.70	1.95	1.00	22.0

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7 SAR measurement uncertainty

SAR measurement uncertainty evaluation for Sony Ericsson PY7A3880122 (ST17a) phone
According to IEEE 1528

Uncertainty Component	Uncert. 1g (%)	Uncert. 10g (%)	Prob. Dist.	Div.	1g mass	
					Ci	Calc (%)
Measurement System						
Probe Calibration*	±5.9	±5.9	N	1	1	±5.9
Axial Isotropy*	±4.7	±4.7	R	√3	0.71	±1.9
Hemispherical Isotropy*	±9.6	±9.6	R	√3	0.71	±3.9
Boundary effect*	±1.0	±1.0	R	√3	1	±0.6
Linearity*	±4.7	±4.7	R	√3	1	±2.7
System Detection limits*	±1.0	±1.0	R	√3	1	±0.6
Readout electronics*	±0.3	±0.3	N	1	1	±0.3
Response time*	±0.8	±0.8	R	√3	1	±0.5
Integration time*	±2.6	±2.6	R	√3	1	±1.5
RF Ambient Conditions (noise)*	±0.1	±0.0	R	√3	1	±0.1
RF Ambient Conditions (Reflections)*	±3.0	±3.0	R	√3	1	±1.7
Probe positioner mech. Tolerance*	±0.4	±0.4	R	√3	1	±0.2
Probe positioning with respect to phantom*	±2.9	±2.9	R	√3	1	±1.7
Extrap, interpolation and integration*	±1.0	±1.0	R	√3	1	±0.6
Measurement System Uncertainty						*±8.4*
Test Sample Related						
Test sample positioning	±3.7	±1.7	N	1	1	±3.7
Device holder uncertainty	±5.3	±4.7	N	1	1	±5.3
Power drift*	±5.0	±5.0	R	√3	1	±2.9
Test Sample Related Uncertainty						*±7.1*
Phantom and Tissue Parameters						
Phantom uncertainty*	±4.0	±4.0	R	√3	1	±2.3
Liquid conductivity (target)*	±5.0	±5.0	R	√3	0.64	±1.8
Liquid conductivity (measured)	±2.8	±2.8	N	1	0.64	±1.8
Liquid Permittivity (target)*	±5.0	±5.0	R	√3	0.60	±1.7
Liquid Permittivity (measured)	±3.3	±3.3	N	1	0.60	±2.0
Phantom and Tissue Parameters Uncertainty						*±4.3*
Combined standard uncertainty (%)						*±11.8*
Expanded standard uncertainty (%) (k=2)						***±23.6***

8

8.1 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 speech mode and 10mm in data mode (Due to product supporting Wi-Fi Hot Spot). For data mode the GPRS slot configuration resulting in the highest SAR was assessed and tested along with 3G and WLAN. 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 MH-650 was connected to the DUT. 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 mass
GSM 850	128	33.4	Cheek	24.1	0.74	**0.84**
			Tilt	24.1	-	-
	190	33.5	Cheek	24.1	0.47	0.57
			Tilt	24.1	0.41	0.42
	251	33.4	Cheek	24.1	0.36	0.41
			Tilt	24.1	-	-
GSM 1900	512	30.3	Cheek	23.2	-	-
			Tilt	23.2	0.87	0.67
	661	30.4	Cheek	23.2	0.84	0.58
			Tilt	23.2	**1.01**	0.69
	810	30.3	Cheek	23.2	**-**	-
			Tilt	23.2	0.73	0.54
UMTS 2	9262	23.1	Cheek	22.5	-	-
			Tilt	22.5	**1.07**	0.80
	9400	23.3	Cheek	22.5	0.93	0.67
			Tilt	22.5	1.05	0.83
	9538	23.3	Cheek	22.5	-	-
			Tilt	22.5	0.89	0.62
UMTS 5	4132	24.0	Cheek	23.1	0.60	**0.65**
			Tilt	23.1	-	-
	4183	24.0	Cheek	23.1	0.56	0.56
			Tilt	23.1	0.48	0.41
	4233	24.0	Cheek	23.1	0.44	0.47
			Tilt	23.1	-	-
WLAN 802.11b 1 Mbps	1	17.0	Cheek	23.9	**0.19**	0.12
			Tilt	23.9	-	-
	6	16.5	Cheek	23.9	0.17	0.08
			Tilt	23.9	0.03	0.04
	11	17.0	Cheek	23.9	0.13	0.10
			Tilt	23.9	-	-

Table 1: SAR measurement result for Sony Ericsson PY7A3880122 telephone at highest possible output power. Measured towards the head.

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

Band	Channel	Measured output power[2] [dBm]	Position / Mode	Body Distance (mm)	Liquid T [°C]	Measured SAR [W/kg] 1g mass
GSM 850	128	33.4	Speech	15	23.3	1.05
			Speech PHF	15	23.3	0.76
		28.6	GPRS 3TX	10	23.4	**1.24**
			Front GPRS 3TX	10	23.4	0.49
			Top edge GPRS 3TX	10	23.4	0.38
			LH edge GPRS 3TX	10	23.4	0.63
			RH edge GPRS 3TX	10	23.4	0.77
	190	33.4	Speech	15	23.3	0.72
		30.4	GPRS 2TX	15	23.3	0.77
		28.5	GPRS 3TX	10	23.4	1.06
		26.5	GPRS 4TX	15	23.3	0.71
	251	33.4	Speech	15	23.3	0.52
		28.5	GPRS 3TX	10	23.4	0.83
GSM 1900	512	30.6	Speech	15	23.4	0.32
		26.5	GPRS 4TX	10	23.4	0.50
			Top edge GPRS 4Tx	10	23.2	0.87
	661	30.5	Speech	15	23.4	0.34
			Speech PHF	15	23.4	0.31
		28.5	GRPS 2TX	15	23.4	0.33
		27.5	GPRS 3TX	15	23.4	0.39
		26.4	GPRS 4TX	10	23.4	0.62
			Front GPRS 4TX	10	23.4	0.49
			Top edge GPRS 4TX	10	23.2	1.00
			LH edge GPRS 4TX	10	23.2	0.66
			RH edge GPRS 4TX	10	23.2	0.18
	810	30.4	Speech	15	23.4	0.26
		26.3	GPRS 4TX	10	23.4	0.56
			Top edge GPRS 4TX	10	23.2	**1.07**
UMTS 2	9262	23.1	Speech	15	23.7	0.41
			Speech PHF	15	23.7	0.39
		23.2	HSDPA	10	23.7	0.59
			Front HSDPA	10	23.7	0.37
			Top edge HSDPA	10	23.7	**0.96**
			LH edge HSDPA	10	23.7	0.59
			RH edge HSDPA	10	23.7	0.15
	9400	23.2	Speech	15	23.7	0.37
		23.1	HSDPA	10	23.7	0.57
			Top edge HSDPA	10	23.7	0.78
	9538	23.2	Speech	15	23.7	0.34
		23.2	HSDPA	10	23.7	0.50
			Top edge HSDPA	10	23.7	0.65
UMTS 5	4132	23.9	Speech	15	23.1	0.79
			Speech PHF	15	23.1	0.70
		23.9	HSDPA	10	23.1	**1.00**
			Front HSDPA	10	23.1	0.49
			Top edge HSDPA	10	23.4	0.38
			LH edge HSDPA	10	23.4	0.56
			RH edge HSDPA	10	23.4	0.54
	4183	23.8	Speech	15	23.1	0.68
		24.0	HSDPA	10	23.1	0.87
	4233	24.0	Speech	15	23.1	0.63
		24.0	HSDPA	10	23.1	0.79

Table 2: SAR measurement result for Sony Ericsson PY7A3880122 telephone at highest possible output power. Measured towards the body.

[2] The measured output power values were provided by the customer.

Band	Channel	Measured output power[3] [dBm]	Position / Mode	Body Distance (mm)	Liquid T [°C]	Measured SAR [W/kg] 1g mass
WLAN 802.11b 1 Mbps	1	17.0	Back	10	23.5	0.06
	6	16.5	Back	10	23.5	0.08
	11	17.0	Back	10	23.5	0.06
	6	16.5	Front	10	23.5	0.07
	6		Top edge	10	23.5	0.01
	6		Bottom edge	10	23.5	0.21
	6		LH edge	10	23.5	0.03
	6		RH edge	10	23.5	0.17

Table 2 cont: SAR measurement result for Sony Ericsson PY7A3880122 telephone at highest possible output power. Measured towards the body.

8.2 Simultaneous Transmitters

The EUT supports simultaneous transmission using WLAN and an active cell band. According to the requirements of KDB 648474 the highest cell band must be combined with the corresponding WLAN value. If the resulting SAR value is greater than the limit of 1.6 w/kg the Peak Location Separation Ratio must be calculated. If the peak location separation ratio is <0.3 volume scans must be performed.

.

The combined simultaneous transmission values for FCC ID: PY7A3880122 (ST17a) can be found in Table 3.

Band	Highest Cell Band SAR (W/Kg)	Corresponding WLAN SAR (W/Kg)	Combined SAR (W/Kg)
GSM 850 Head	0.84	0.12	**0.96**
GSM1900 Head	1.01	0.19	**1.20**
UMTS 2 Head	1.07	0.19	**1.26**
UMTS 5 Head	0.65	0.12	**0.77**
GSM 850 Body	1.24	0.08	**1.32**
GSM 1900 Body	1.07	0.08	**1.15**
UMTS 2 Body	0.96	0.08	**1.04**
UMTS 2 Body	1.00	0.08	**1.08**

Table 3. Simultaneous transmission combined SAR results for Sony Ericsson PY7A188033 telephone.

The combined results for all bands are below the limit of 1.6 W/Kg. Therefore peak location separation ratio and volume scan measurements are not required.

[3] The measured output power 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 KDB648474. "SAR Evaluation Consideration for HANDSETS with Multiple Transmitters and Antenna", April 2008.

[6] FCC KDB248227. "SAR Measurement procedure for 802.11a/b/g Transmitters”, May 2007.

[7] FCC KDB941225. “SAR Evaluation Procedures for Portable Devices with Wireless Router Capabilities.” April 2011.

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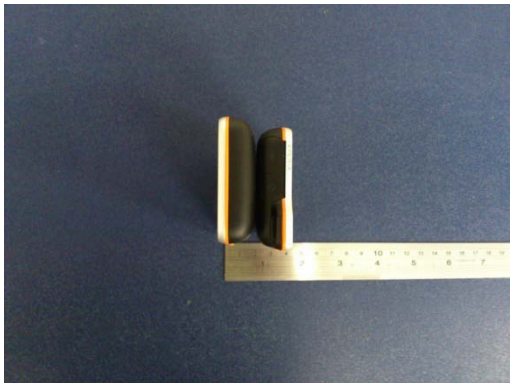
Appendix

9.1 Photographs of the device under test

Rear

Front



Top & Bottom

Rear with cover removed

Sides

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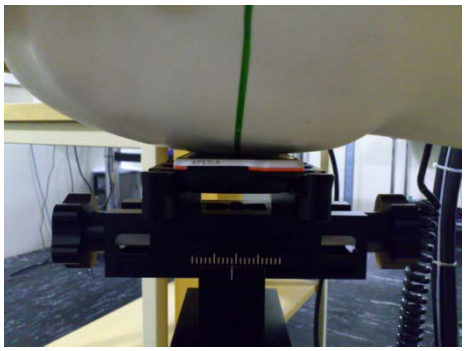
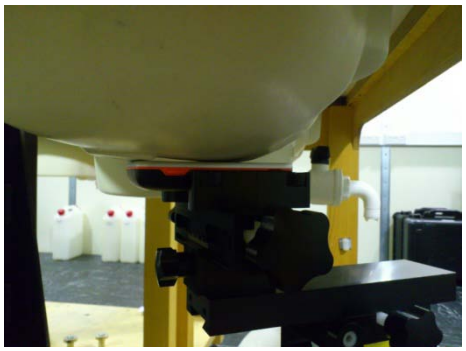
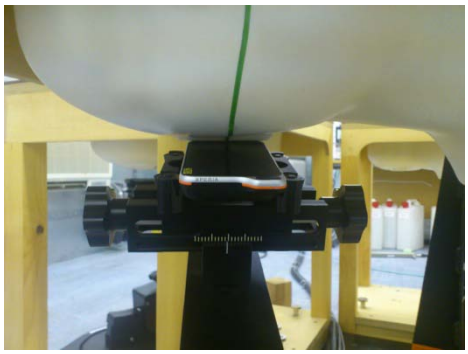
9.2 Device position at SAM Twin Phantom

DUT position towards the head: Cheek (touch) position



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

DUT position towards the body

9.3 Attachments

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

Date/Time: 7/20/2011 10:30:58 AM

Test Laboratory: Sony Ericsson Mobile Communications International AB

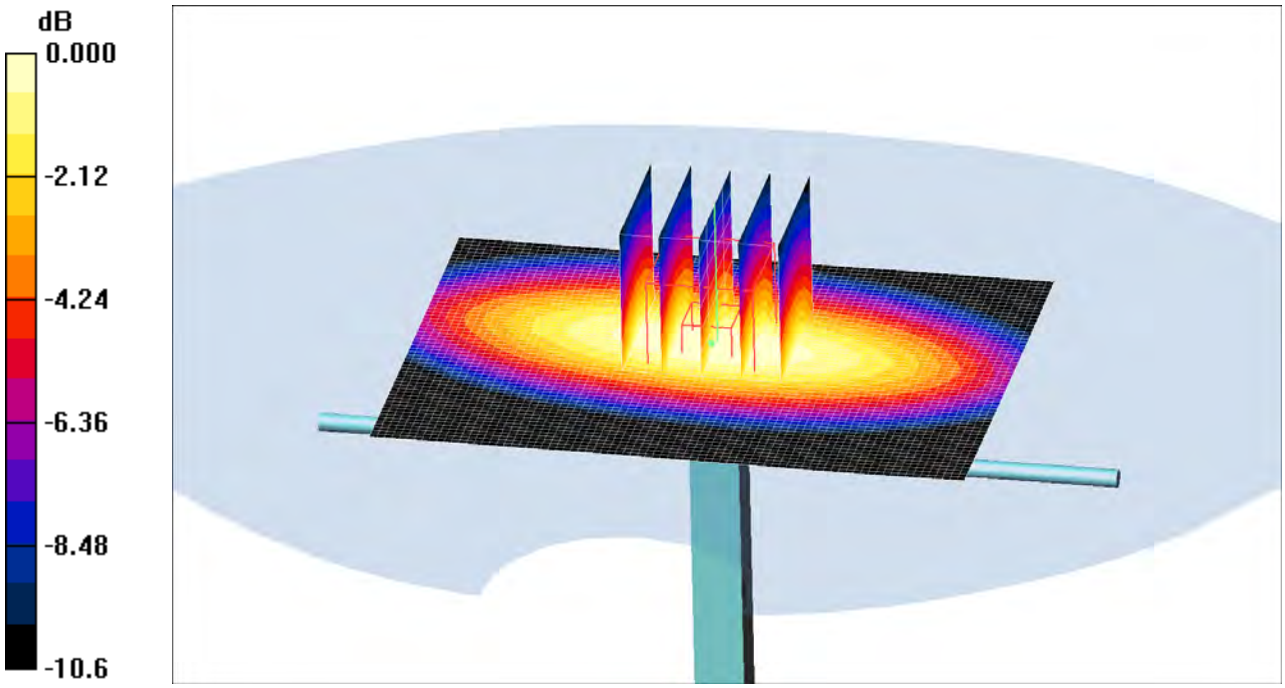
Validation-D850-20-07-11

DUT: Dipole 835 MHz; Type: D835V2; Serial: D835V2 - SN:438

Communication System: CW; Frequency: 835 MHz;Duty Cycle: 1:1
Medium parameters used: f = 835.053 MHz; σ = 0.901 mho/m; ε_r = 42.8; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1610; ConvF(6.32, 6.32, 6.32); Calibrated: 11/16/2010
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn448; Calibrated: 11/17/2010
- Phantom: SAM-2; Type: SAM; Serial: 1025
- Measurement SW: DASY4, V4.7 Build 80; 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) = 2.73 mW/g
  d=15mm, Pin=250mW/Zoom Scan (7x7x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
  Reference Value = 56.8 V/m; Power Drift = 0.052 dB
  Peak SAR (extrapolated) = 3.68 W/kg
  SAR(1 g) = 2.54 mW/g; SAR(10 g) = 1.67 mW/g
  Maximum value of SAR (measured) = 2.75 mW/g



0 dB = 2.75mW/g

Date/Time: 7/25/2011 8:34:44 AM

Test Laboratory: Sony Ericsson Mobile Communications International AB

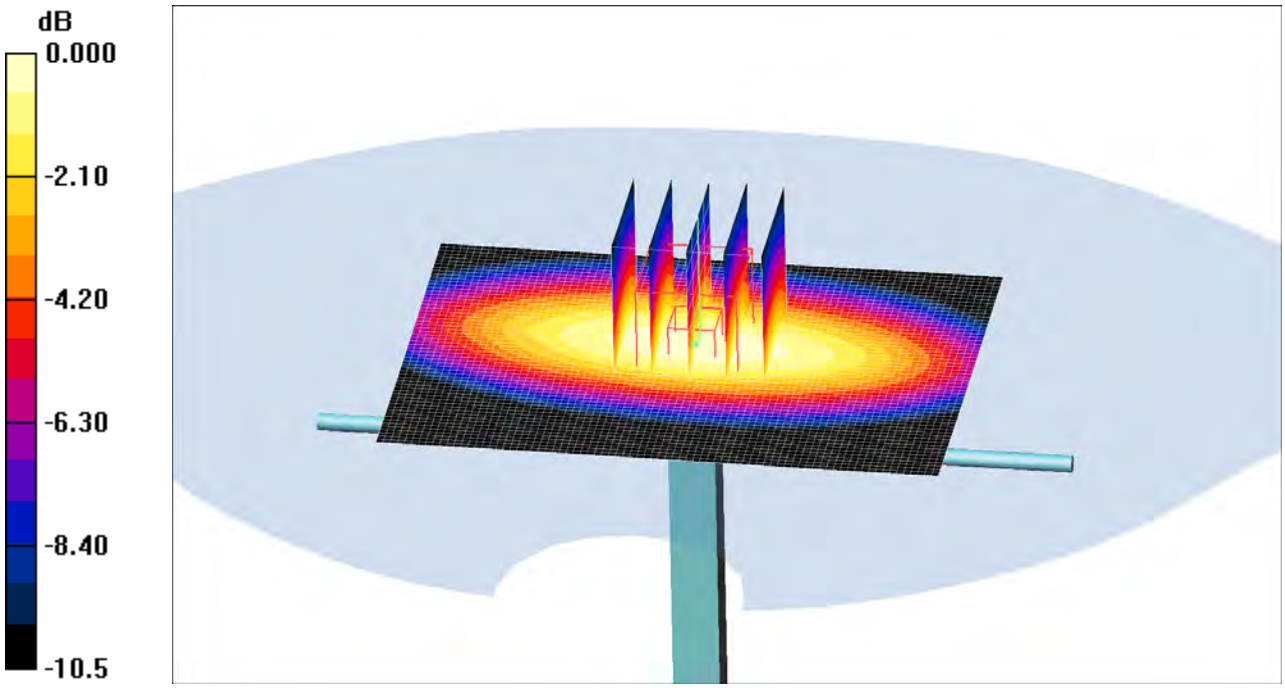
Validation-D850-25-07-11

DUT: Dipole 835 MHz; Type: D835V2; Serial: D835V2 - SN:438

Communication System: CW; Frequency: 835 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 835 MHz; σ = 0.874 mho/m; ε_r = 41.4; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1610; ConvF(6.32, 6.32, 6.32); Calibrated: 11/16/2010
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn448; Calibrated: 11/17/2010
- Phantom: SAM-2; Type: SAM; Serial: 1025
- Measurement SW: DASY4, V4.7 Build 80; 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) = 2.64 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 = 0.111 dB
  Peak SAR (extrapolated) = 3.59 W/kg
  SAR(1 g) = 2.49 mW/g; SAR(10 g) = 1.63 mW/g
  Maximum value of SAR (measured) = 2.69 mW/g



0 dB = 2.69mW/g

Date/Time: 7/20/2011 8:54:25 AM

Test Laboratory: Sony Ericsson Mobile Communications

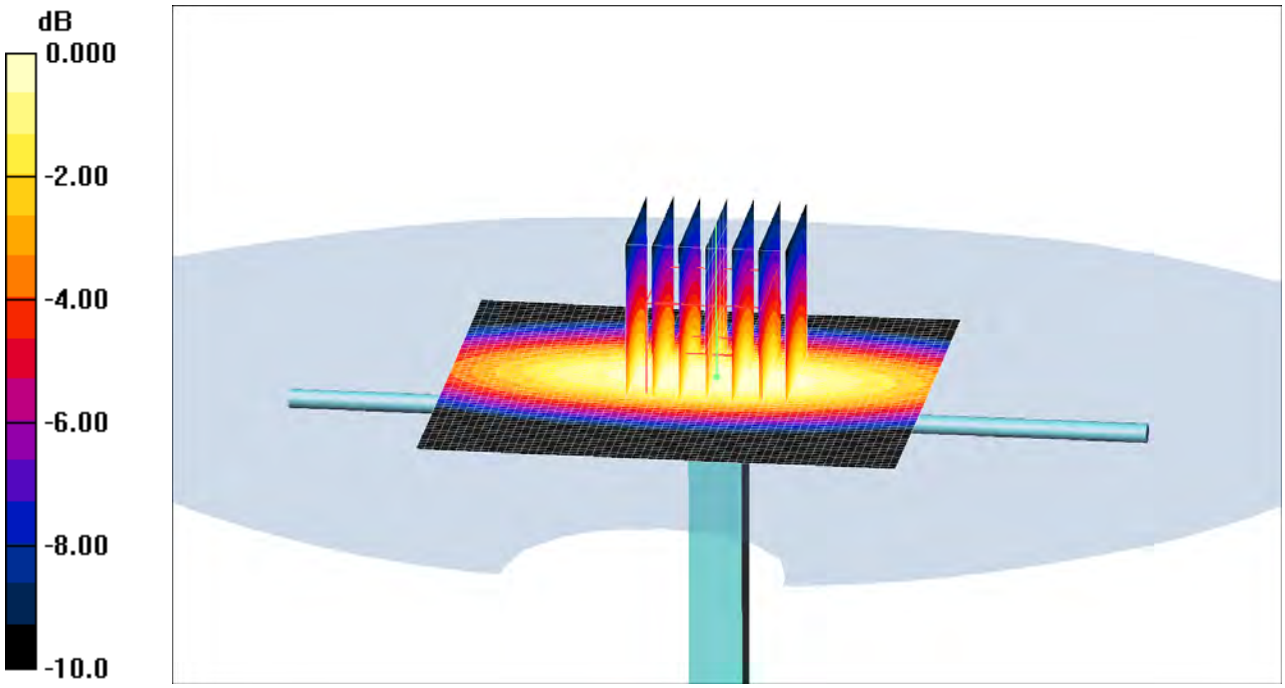
Validation 835 Body 20-07-2011

DUT: Dipole 835 MHz; Type: D835V2; Serial: D835V2 - SN:438

Communication System: CW; Frequency: 835 MHz;Duty Cycle: 1:1
Medium parameters used: f = 835.053 MHz; σ = 0.978 mho/m; ε_r = 53; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1539; ConvF(5.66, 5.66, 5.66); Calibrated: 11/16/2010
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn415; Calibrated: 11/16/2010
- Phantom: SAM with CRP (Low Band Body); Type: SAM; Serial: TP: 1031
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 172
  Unnamed procedure/Area Scan (61x61x1): Measurement grid: dx=15mm, dy=15mm
  Maximum value of SAR (interpolated) = 2.78 mW/g
  Unnamed procedure/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
  Reference Value = 55.6 V/m; Power Drift = 0.029 dB
  Peak SAR (extrapolated) = 3.69 W/kg
  SAR(1 g) = 2.58 mW/g; SAR(10 g) = 1.71 mW/g
  Maximum value of SAR (measured) = 2.81 mW/g



0 dB = 2.81mW/g

Date/Time: 7/21/2011 8:15:14 AM

Test Laboratory: Sony Ericsson Mobile Communications

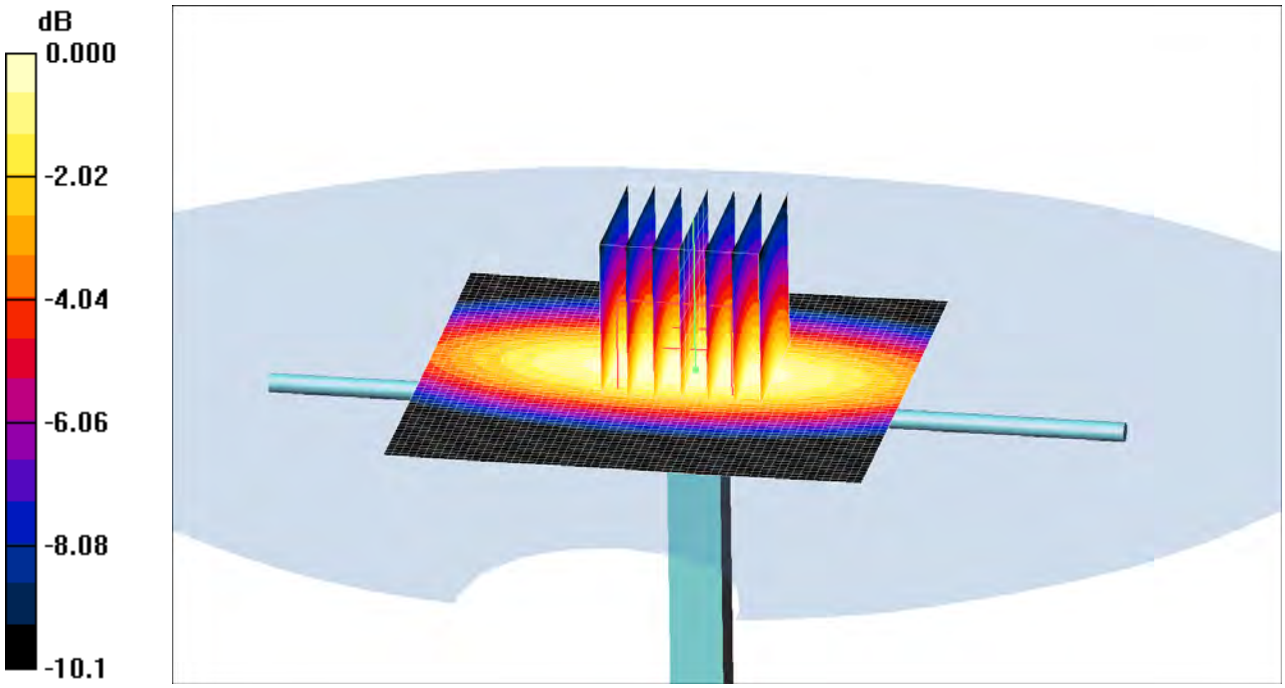
Validation 835 Body 21-07-2011

DUT: Dipole 835 MHz; Type: D835V2; Serial: D835V2 - SN:438

Communication System: CW; Frequency: 835 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 835 MHz; σ = 0.975 mho/m; ε_r = 52.6; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1539; ConvF(5.66, 5.66, 5.66); Calibrated: 11/16/2010
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn415; Calibrated: 11/16/2010
- Phantom: SAM with CRP (Low Band Body); Type: SAM; Serial: TP: 1031
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 172
  Unnamed procedure/Area Scan (61x61x1): Measurement grid: dx=15mm, dy=15mm
  Maximum value of SAR (interpolated) = 2.81 mW/g
  Unnamed procedure/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
  Reference Value = 56.3 V/m; Power Drift = 0.068 dB
  Peak SAR (extrapolated) = 3.78 W/kg
  SAR(1 g) = 2.65 mW/g; SAR(10 g) = 1.75 mW/g
  Maximum value of SAR (measured) = 2.87 mW/g



0 dB = 2.87mW/g

Date/Time: 7/27/2011 9:25:50 AM

Test Laboratory: Sony Ericsson Mobile Communications

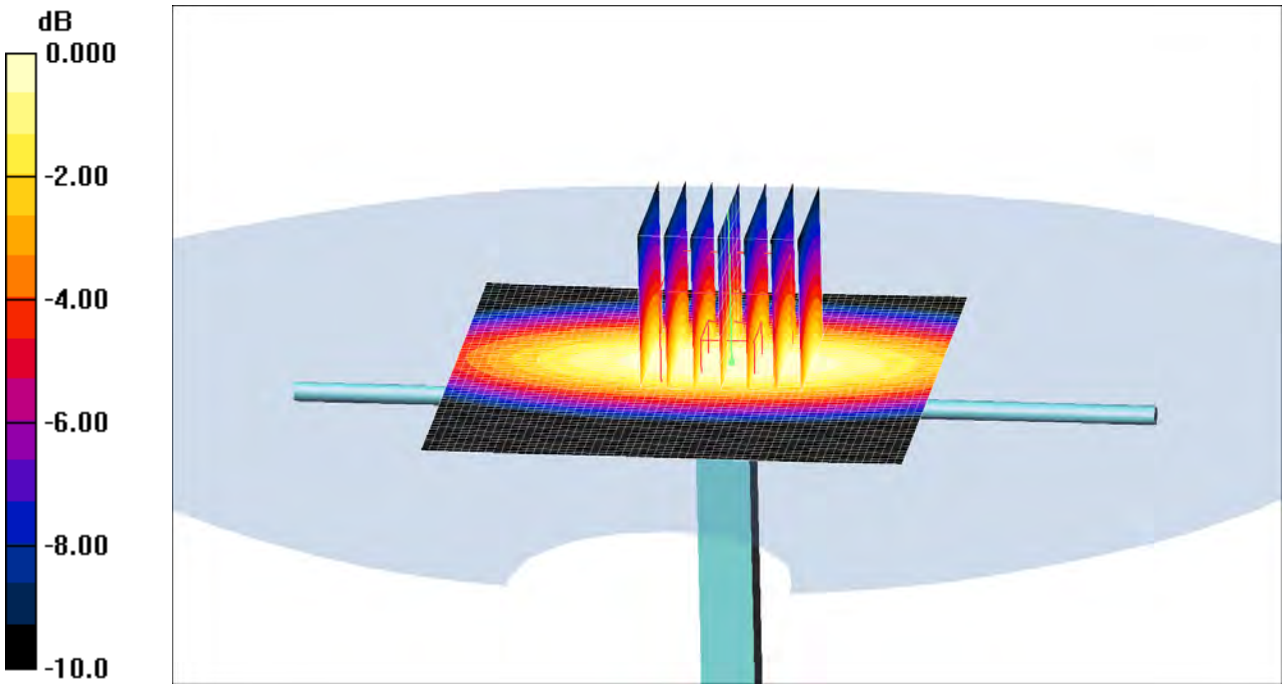
Validation 835 Body 27-07-2011

DUT: Dipole 835 MHz; Type: D835V2; Serial: D835V2 - SN:438

Communication System: CW; Frequency: 835 MHz;Duty Cycle: 1:1
Medium parameters used: f = 835.133 MHz; σ = 0.959 mho/m; ε_r = 52.9; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1539; ConvF(5.66, 5.66, 5.66); Calibrated: 11/16/2010
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn415; Calibrated: 11/16/2010
- Phantom: SAM with CRP (Low Band Body); Type: SAM; Serial: TP: 1031
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 172
  Unnamed procedure/Area Scan (61x61x1): Measurement grid: dx=15mm, dy=15mm
  Maximum value of SAR (interpolated) = 2.74 mW/g
  Unnamed procedure/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
  Reference Value = 55.6 V/m; Power Drift = -0.001 dB
  Peak SAR (extrapolated) = 3.61 W/kg
  SAR(1 g) = 2.54 mW/g; SAR(10 g) = 1.68 mW/g
  Maximum value of SAR (measured) = 2.75 mW/g



0 dB = 2.75mW/g

Date/Time: 8/2/2011 8:40:19 AM

Test Laboratory: The name of your organization

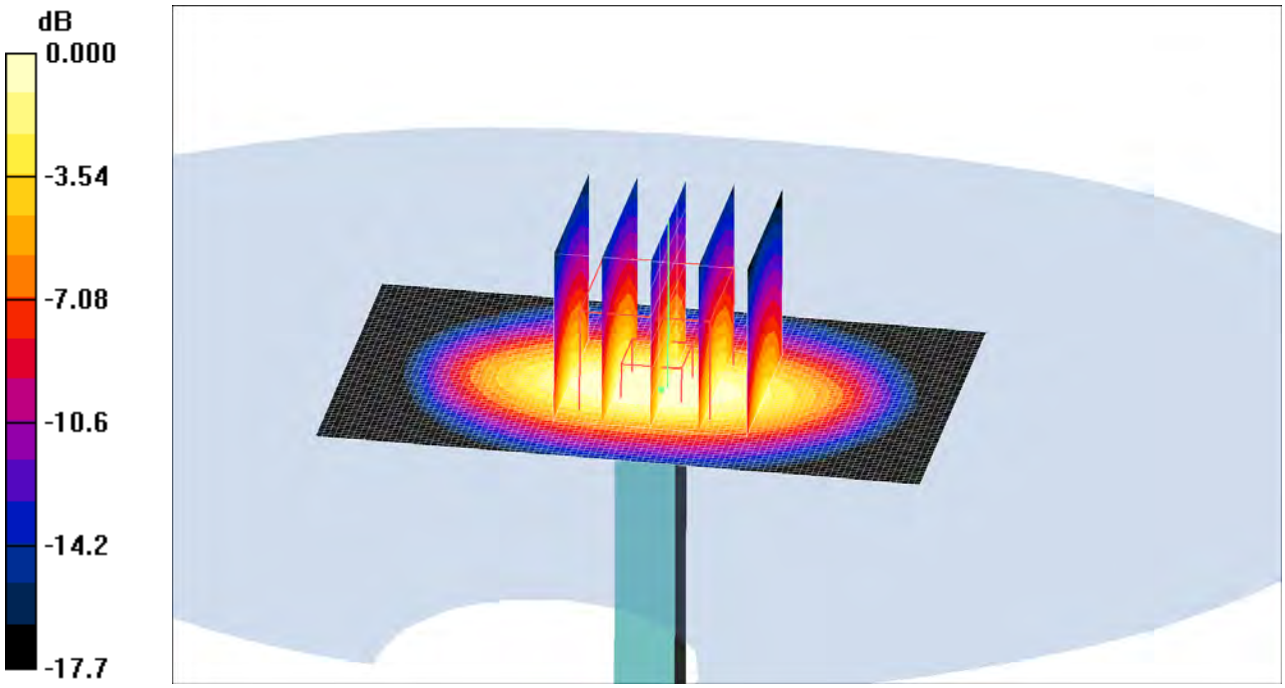
Validation_D1900_02-08-11

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

Communication System: CW; Frequency: 1900 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1900 MHz; σ = 1.41 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 - SN1584; ConvF(5.21, 5.21, 5.21); Calibrated: 11/16/2010
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn417; Calibrated: 11/16/2010
- Phantom: SAM with CRP (High Band Head); Type: SAM; Serial: TP: 1054
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 172
  Unnamed procedure/Area Scan (61x101x1): Measurement grid: dx=10mm, dy=10mm
  Maximum value of SAR (interpolated) = 10.4 mW/g
  Unnamed procedure/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
  Reference Value = 90.6 V/m; Power Drift = 0.028 dB
  Peak SAR (extrapolated) = 15.2 W/kg
  SAR(1 g) = 9.09 mW/g; SAR(10 g) = 4.84 mW/g
  Maximum value of SAR (measured) = 10.2 mW/g



0 dB = 10.2mW/g

Date/Time: 8/3/2011 11:01:29 AM

Test Laboratory: The name of your organization

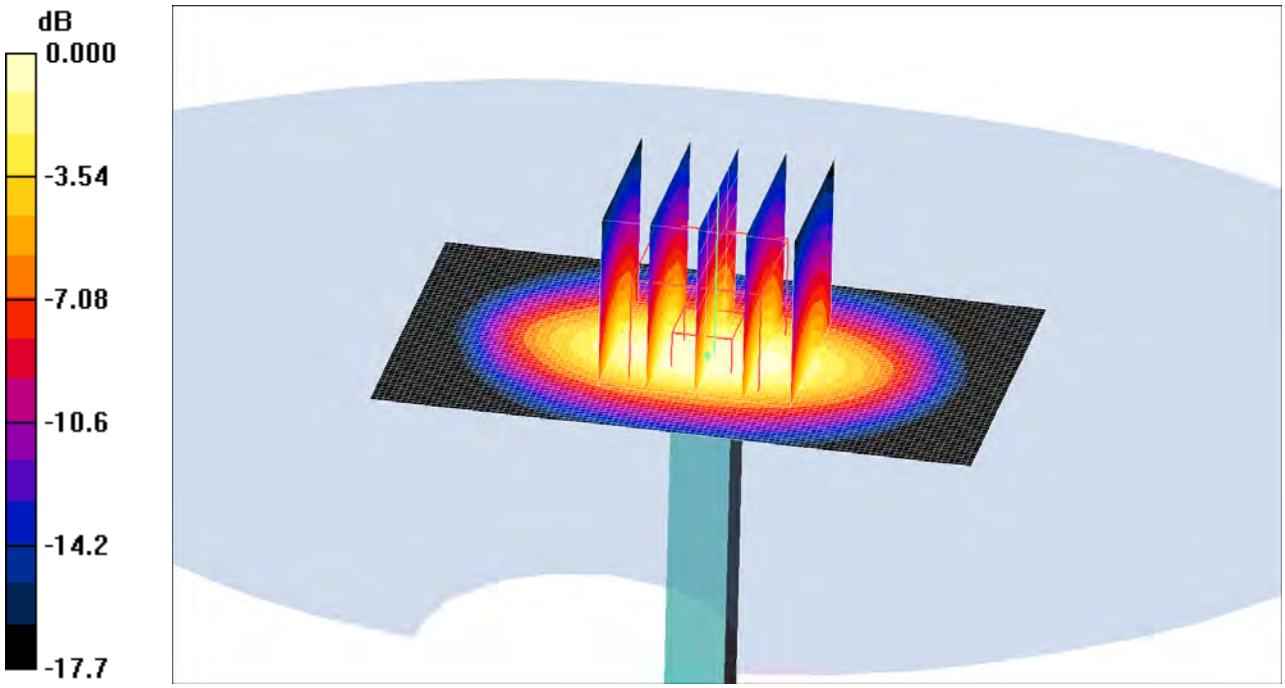
Validation_D1900_03-08-11

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

Communication System: CW; Frequency: 1900 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1900 MHz; σ = 1.41 mho/m; ε_r = 38.3; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1584; ConvF(5.21, 5.21, 5.21); Calibrated: 11/16/2010
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn417; Calibrated: 11/16/2010
- Phantom: SAM with CRP (High Band Head); Type: SAM; Serial: TP: 1054
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 172
  Unnamed procedure/Area Scan (61x101x1): Measurement grid: dx=10mm, dy=10mm
  Maximum value of SAR (interpolated) = 10.1 mW/g
  Unnamed procedure/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
  Reference Value = 89.6 V/m; Power Drift = 0.037 dB
  Peak SAR (extrapolated) = 15.0 W/kg
  SAR(1 g) = 8.98 mW/g; SAR(10 g) = 4.78 mW/g
  Maximum value of SAR (measured) = 10.1 mW/g



0 dB = 10.1mW/g

Date/Time: 7/22/2011 8:47:06 AM

Test Laboratory: Sony Ericsson Mobile Communications

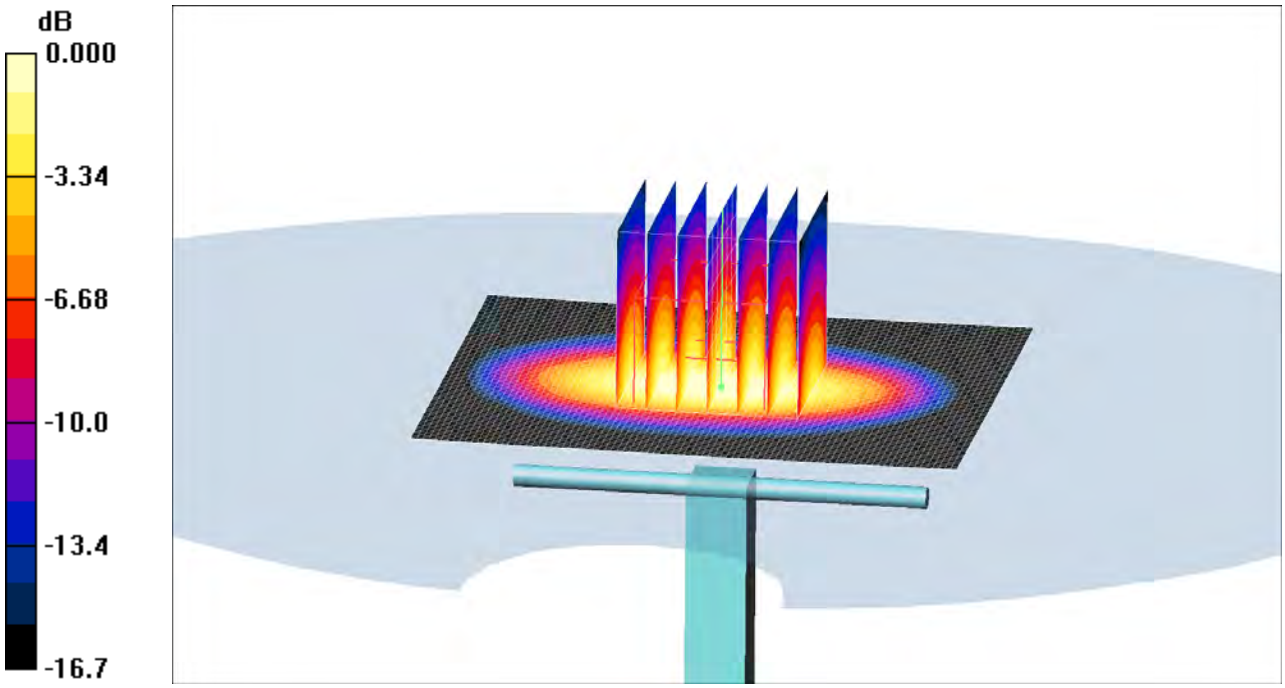
Validation-D1900-22-07-11

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

Communication System: CW; Frequency: 1900 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1900 MHz; σ = 1.52 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 - SN1539; ConvF(4.23, 4.23, 4.23); Calibrated: 11/16/2010
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn415; Calibrated: 11/16/2010
- Phantom: SAM with CRP (High Band Body); Type: SAM; Serial: TP: 1020
- Measurement SW: DASY4, V4.7 Build 80; 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) = 10.3 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 = 0.068 dB
  Peak SAR (extrapolated) = 14.1 W/kg
  SAR(1 g) = 9.04 mW/g; SAR(10 g) = 4.9 mW/g
  Maximum value of SAR (measured) = 10.3 mW/g



0 dB = 10.3mW/g

Date/Time: 7/25/2011 8:49:35 AM

Test Laboratory: Sony Ericsson Mobile Communications

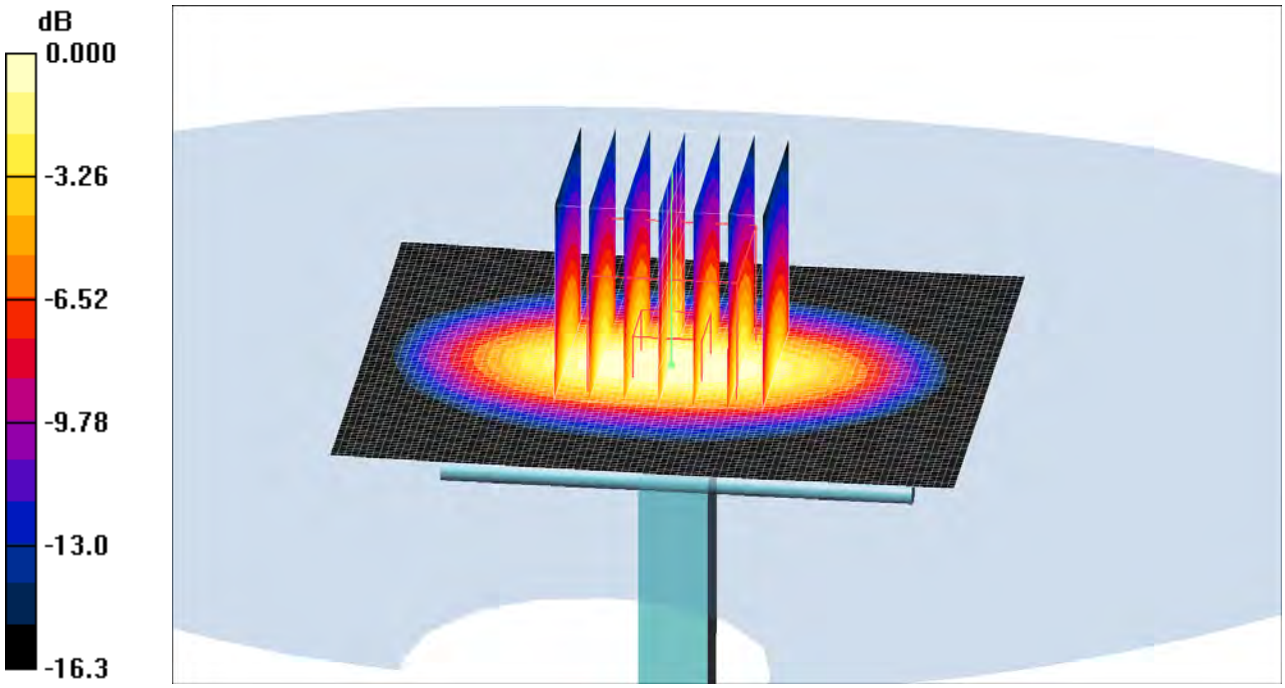
Validation-D1900-25-07-11

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

Communication System: CW; Frequency: 1900 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1900.77 MHz; σ = 1.55 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 - SN1539; ConvF(4.23, 4.23, 4.23); Calibrated: 11/16/2010
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn415; Calibrated: 11/16/2010
- Phantom: SAM with CRP (High Band Body); Type: SAM; Serial: TP: 1020
- Measurement SW: DASY4, V4.7 Build 80; 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) = 10.8 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 = -0.063 dB
  Peak SAR (extrapolated) = 14.5 W/kg
  SAR(1 g) = 9.31 mW/g; SAR(10 g) = 5.06 mW/g
  Maximum value of SAR (measured) = 10.6 mW/g



0 dB = 10.6mW/g

Date/Time: 7/26/2011 9:14:54 AM

Test Laboratory: Sony Ericsson Mobile Communications

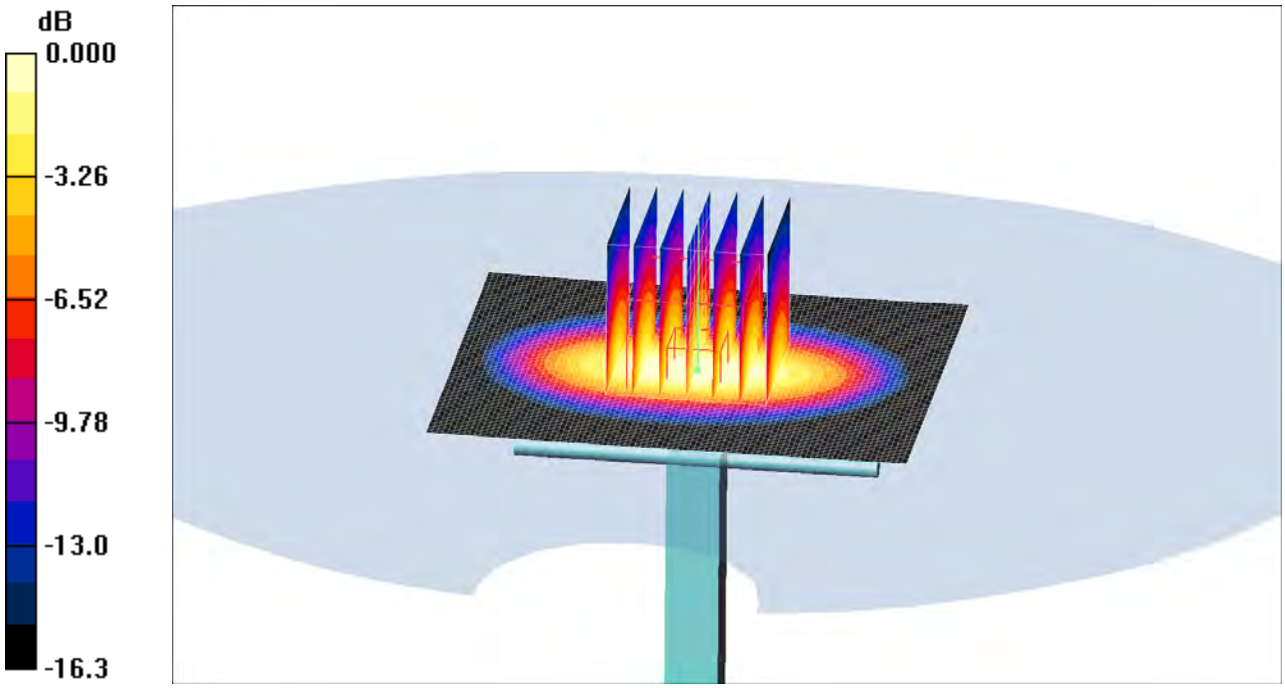
Validation-D1900-26-07-11

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

Communication System: CW; Frequency: 1900 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1900 MHz; σ = 1.53 mho/m; ε_r = 51.1; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1539; ConvF(4.23, 4.23, 4.23); Calibrated: 11/16/2010
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn415; Calibrated: 11/16/2010
- Phantom: SAM with CRP (High Band Body); Type: SAM; Serial: TP: 1020
- Measurement SW: DASY4, V4.7 Build 80; 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) = 10.5 mW/g
  d=10mm, Pin=250mW/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
  Reference Value = 91.2 V/m; Power Drift = 0.033 dB
  Peak SAR (extrapolated) = 14.4 W/kg
  SAR(1 g) = 9.23 mW/g; SAR(10 g) = 5 mW/g
  Maximum value of SAR (measured) = 10.5 mW/g



0 dB = 10.5mW/g

Date/Time: 7/29/2011 9:09:33 AM

Test Laboratory: Sony Ericsson Mobile Communications

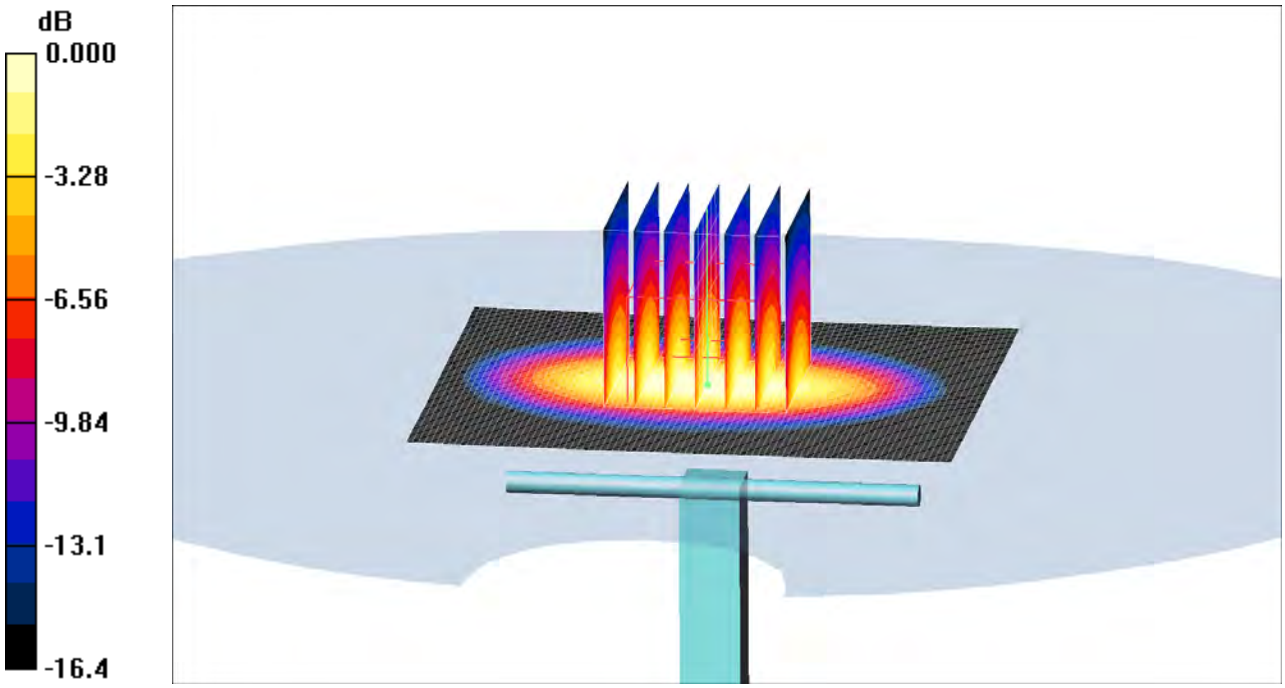
Validation-D1900-29-07-11

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

Communication System: CW; Frequency: 1900 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1900 MHz; σ = 1.53 mho/m; ε_r = 51; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1539; ConvF(4.23, 4.23, 4.23); Calibrated: 11/16/2010
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn415; Calibrated: 11/16/2010
- Phantom: SAM with CRP (High Band Body); Type: SAM; Serial: TP: 1020
- Measurement SW: DASY4, V4.7 Build 80; 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) = 10.3 mW/g
  d=10mm, Pin=250mW/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
  Reference Value = 89.7 V/m; Power Drift = -0.012 dB
  Peak SAR (extrapolated) = 14.1 W/kg
  SAR(1 g) = 8.98 mW/g; SAR(10 g) = 4.85 mW/g
  Maximum value of SAR (measured) = 10.3 mW/g



0 dB = 10.3mW/g

Date/Time: 8/2/2011 9:10:18 AM

Test Laboratory: Sony Ericsson Mobile Communications

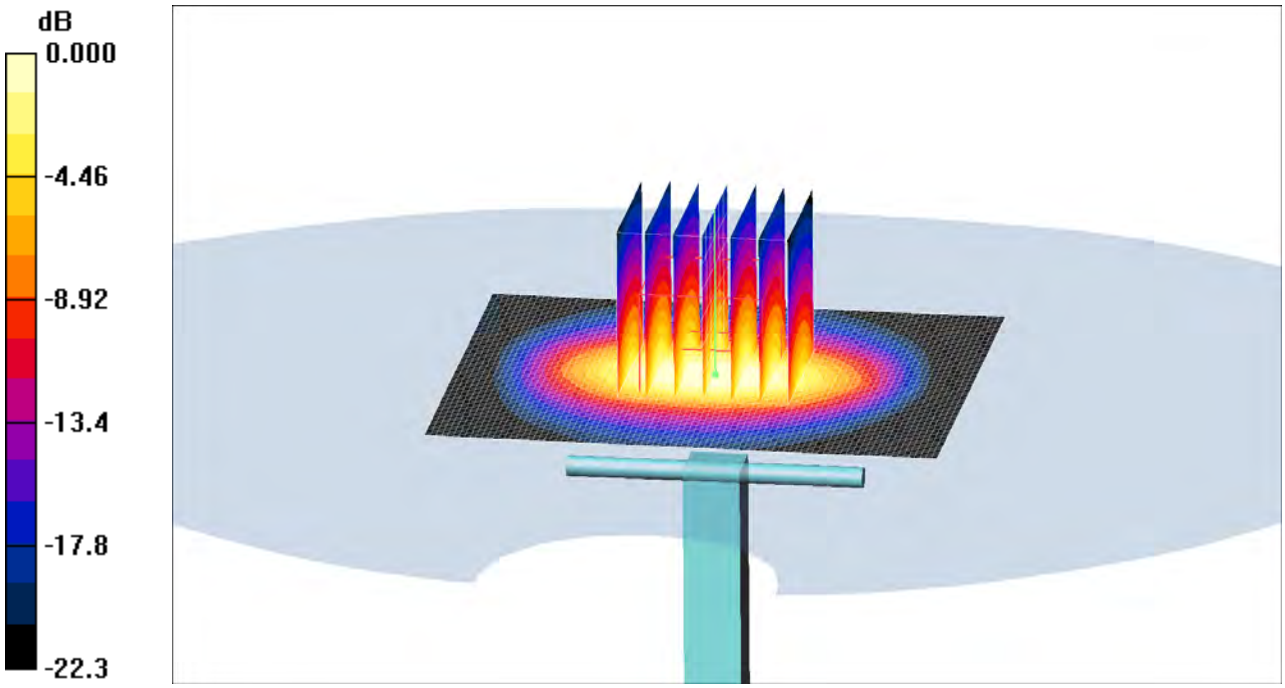
Validation-D2450-02-08-11

DUT: Dipole 2450 MHz; Type: D2450V2; Serial: D2450V2 - SN:721

Communication System: CW; Frequency: 2450 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2450.82 MHz; σ = 1.85 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 - SN1539; ConvF(4.22, 4.22, 4.22); Calibrated: 11/16/2010
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn415; Calibrated: 11/16/2010
- Phantom: WLAN (Head) SAM with CRP; Type: SAM; Serial:
- Measurement SW: DASY4, V4.7 Build 80; 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) = 16.1 mW/g
  d=10mm, Pin=250mW/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
  Reference Value = 97.0 V/m; Power Drift = -0.023 dB
  Peak SAR (extrapolated) = 30.8 W/kg
  SAR(1 g) = 14.1 mW/g; SAR(10 g) = 6.49 mW/g
  Maximum value of SAR (measured) = 15.8 mW/g



0 dB = 15.8mW/g

Date/Time: 7/28/2011 8:58:56 AM

Test Laboratory: Sony Ericsson Mobile Communications

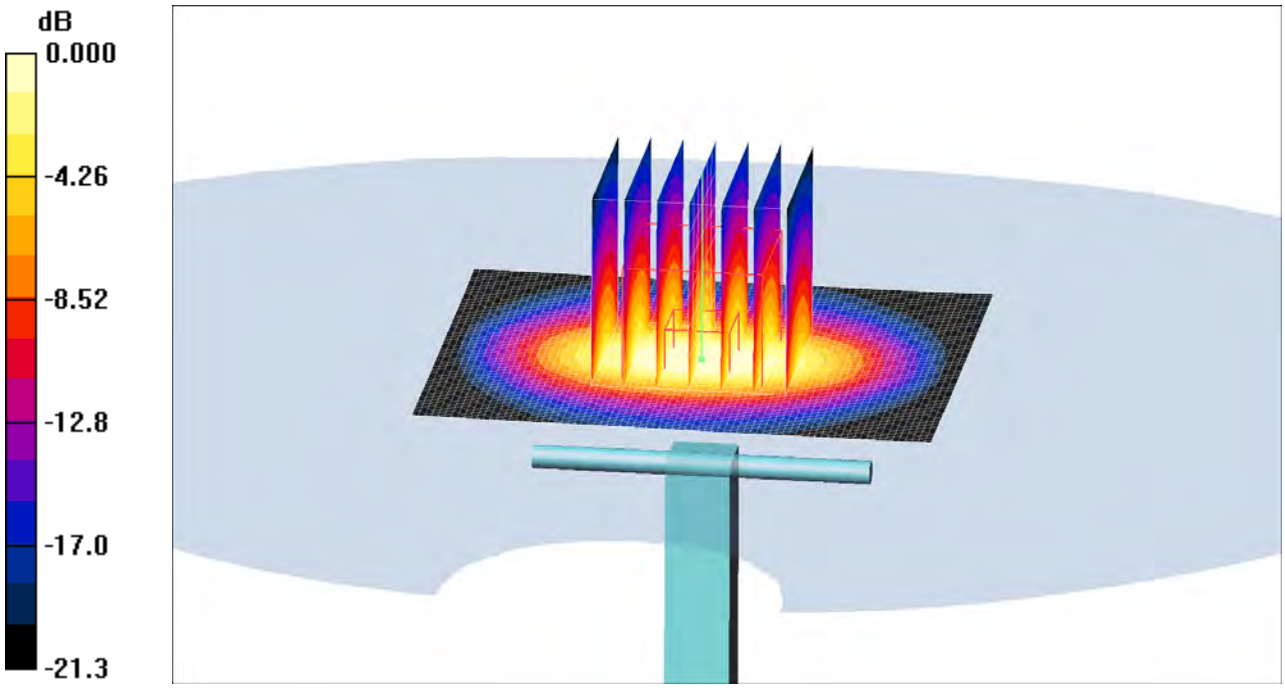
Validation-D2450-28-07-11

DUT: Dipole 2450 MHz; Type: D2450V2; Serial: D2450V2 - SN:721

Communication System: CW; Frequency: 2450 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2450.33 MHz; σ = 1.96 mho/m; ε_r = 50.3; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1539; ConvF(3.87, 3.87, 3.87); Calibrated: 11/16/2010
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn415; Calibrated: 11/16/2010
- Phantom: WLAN Body SAM; Type: SAM; Serial:
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 172
  d=10mm, Pin=250mW/Area Scan (71x81x1): Measurement grid: dx=10mm, dy=10mm
  Maximum value of SAR (interpolated) = 16.3 mW/g
  d=10mm, Pin=250mW/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
  Reference Value = 91.8 V/m; Power Drift = -0.084 dB
  Peak SAR (extrapolated) = 33.3 W/kg
  SAR(1 g) = 14.1 mW/g; SAR(10 g) = 6.48 mW/g
  Maximum value of SAR (measured) = 15.6 mW/g



0 dB = 15.6mW/g

Date/Time: 7/20/2011 11:28:10 AM

Test Laboratory: Sony Ericsson Mobile Communications International AB

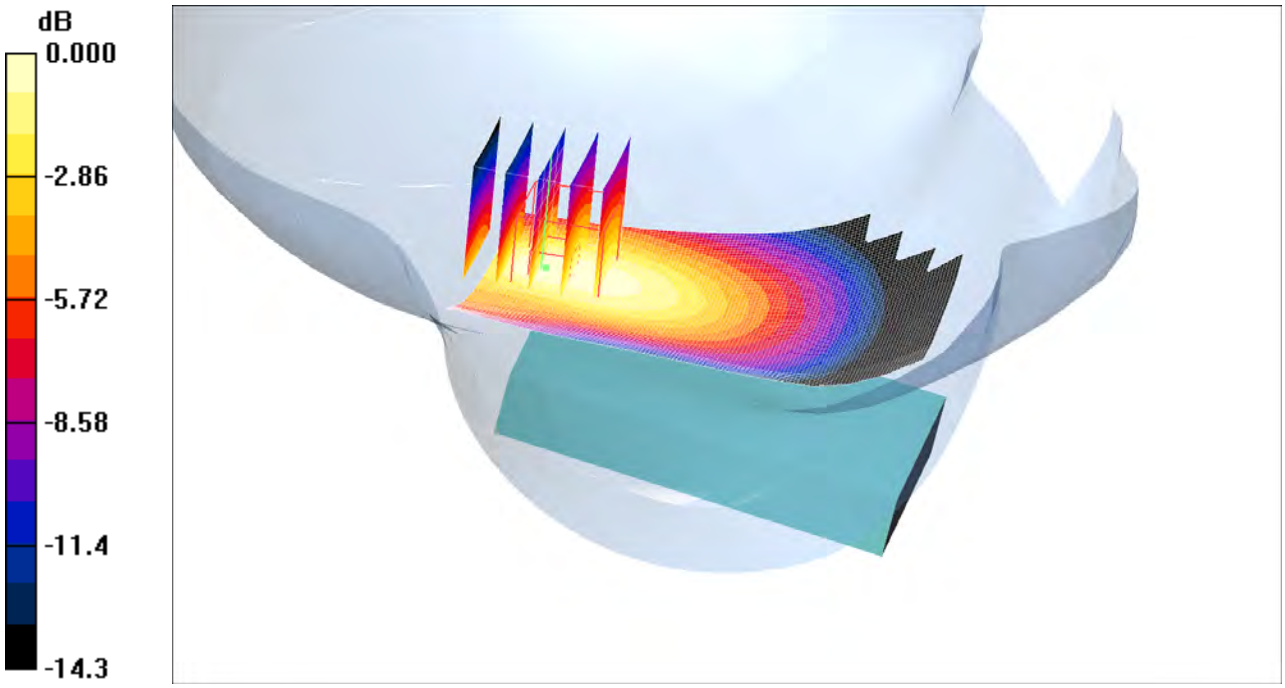
Satsuma125-LeftHandSide-GSM850-Tilt-Mid

DUT: Satsuma; Type: DUT; Serial: #20659

Communication System: GSM 850; Frequency: 836.6 MHz;Duty Cycle: 1:8.3
Medium parameters used (interpolated): f = 836.6 MHz; σ = 0.903 mho/m; ε_r = 42.8; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1610; ConvF(6.32, 6.32, 6.32); Calibrated: 11/16/2010
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn448; Calibrated: 11/17/2010
- Phantom: SAM-2; Type: SAM; Serial: 1025
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 172
  Tilt/Area Scan (81x131x1): Measurement grid: dx=10mm, dy=10mm
  Maximum value of SAR (interpolated) = 0.450 mW/g
  Tilt/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
  Reference Value = 19.1 V/m; Power Drift = 0.059 dB
  Peak SAR (extrapolated) = 0.682 W/kg
  SAR(1 g) = 0.408 mW/g; SAR(10 g) = 0.255 mW/g
  Maximum value of SAR (measured) = 0.451 mW/g



0 dB = 0.451mW/g

Date/Time: 7/20/2011 11:48:45 AM

Test Laboratory: Sony Ericsson Mobile Communications International AB

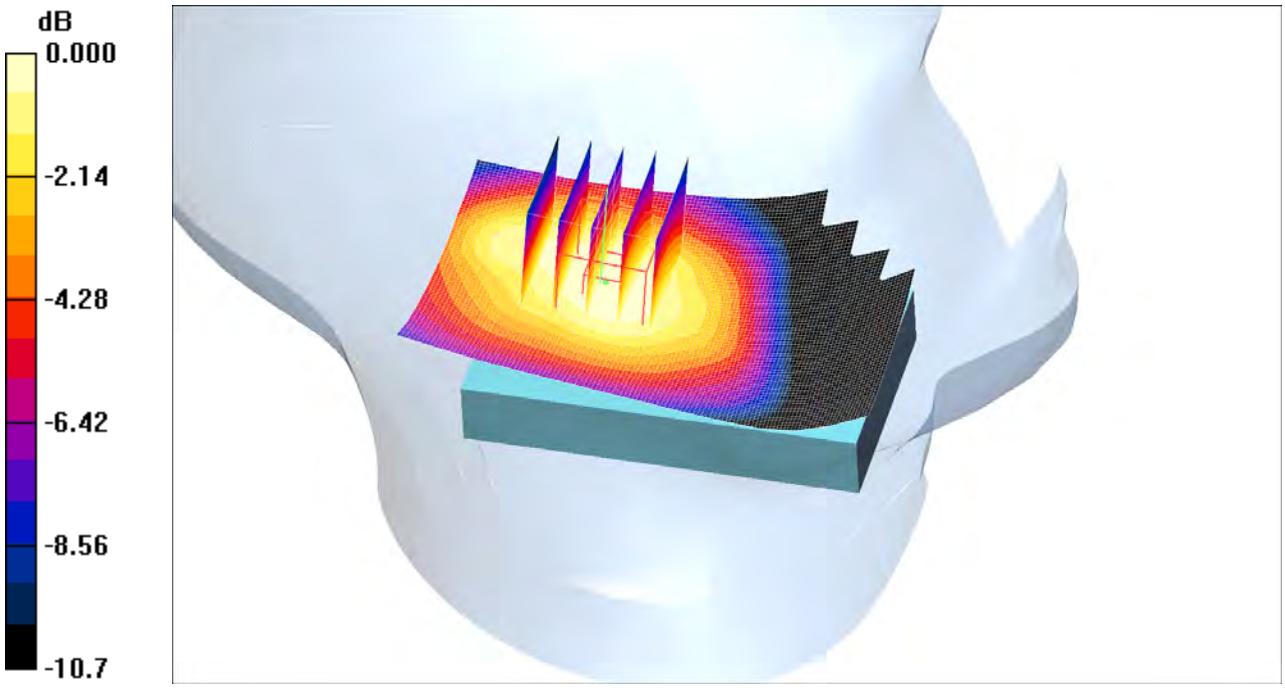
Satsuma125-LeftHandSide-GSM850-Touch-Low

DUT: Satsuma; Type: DUT; Serial: #20659

Communication System: GSM 850; Frequency: 824.2 MHz;Duty Cycle: 1:8.3
Medium parameters used: f = 824.2 MHz; σ = 0.891 mho/m; ε_r = 42.9; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1610; ConvF(6.32, 6.32, 6.32); Calibrated: 11/16/2010
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn448; Calibrated: 11/17/2010
- Phantom: SAM-2; Type: SAM; Serial: 1025
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 172
  Touch 2/Area Scan (81x131x1): Measurement grid: dx=10mm, dy=10mm
  Maximum value of SAR (interpolated) = 0.783 mW/g
  Touch 2/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
  Reference Value = 25.8 V/m; Power Drift = -0.006 dB
  Peak SAR (extrapolated) = 0.978 W/kg
  SAR(1 g) = 0.744 mW/g; SAR(10 g) = 0.543 mW/g
  Maximum value of SAR (measured) = 0.790 mW/g



0 dB = 0.790mW/g

Date/Time: 7/20/2011 1:44:06 PM

Test Laboratory: Sony Ericsson Mobile Communications International AB

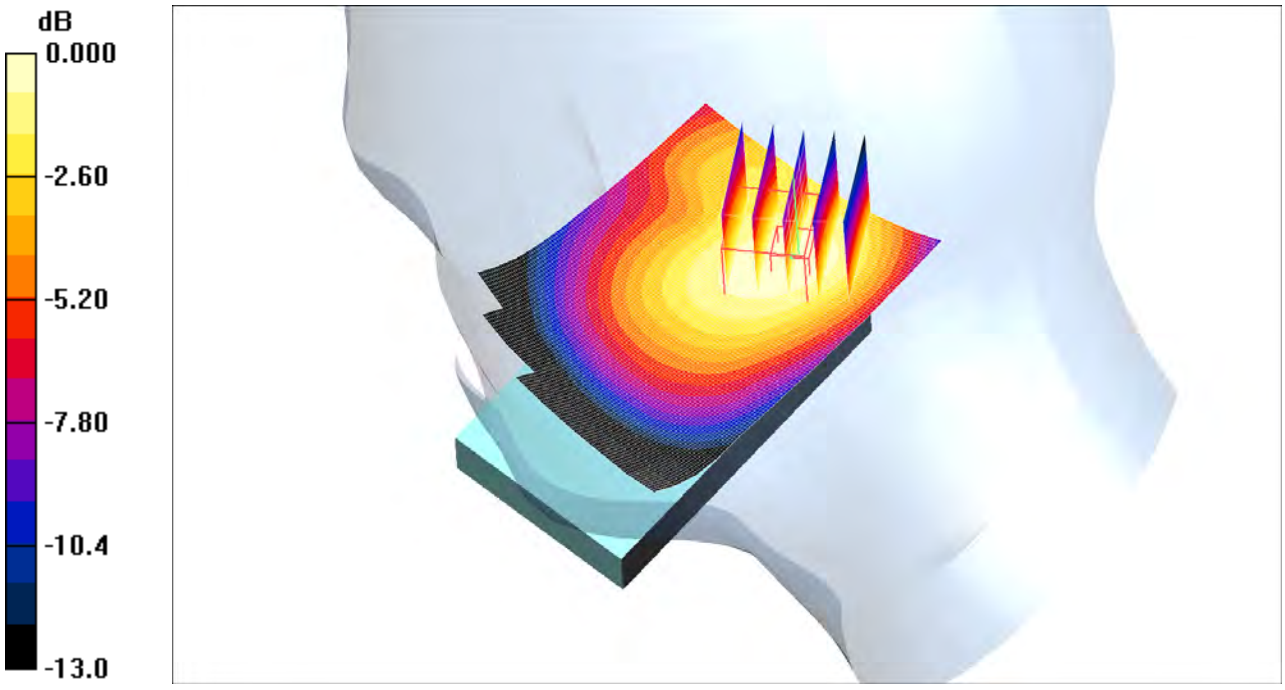
Satsuma125-RightHandSide-GSM850-Tilt-Mid

DUT: Satsuma; Type: DUT; Serial: #20659

Communication System: GSM 850; Frequency: 836.6 MHz;Duty Cycle: 1:8.3
Medium parameters used (interpolated): f = 836.6 MHz; σ = 0.903 mho/m; ε_r = 42.8; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1610; ConvF(6.32, 6.32, 6.32); Calibrated: 11/16/2010
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn448; Calibrated: 11/17/2010
- Phantom: SAM-2; Type: SAM; Serial: 1025
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 172
  Tilt/Area Scan (81x131x1): Measurement grid: dx=10mm, dy=10mm
  Maximum value of SAR (interpolated) = 0.450 mW/g
  Tilt/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
  Reference Value = 21.4 V/m; Power Drift = -0.035 dB
  Peak SAR (extrapolated) = 0.622 W/kg
  SAR(1 g) = 0.416 mW/g; SAR(10 g) = 0.287 mW/g
  Maximum value of SAR (measured) = 0.450 mW/g



0 dB = 0.450mW/g

Date/Time: 7/20/2011 2:11:00 PM

Test Laboratory: Sony Ericsson Mobile Communications International AB

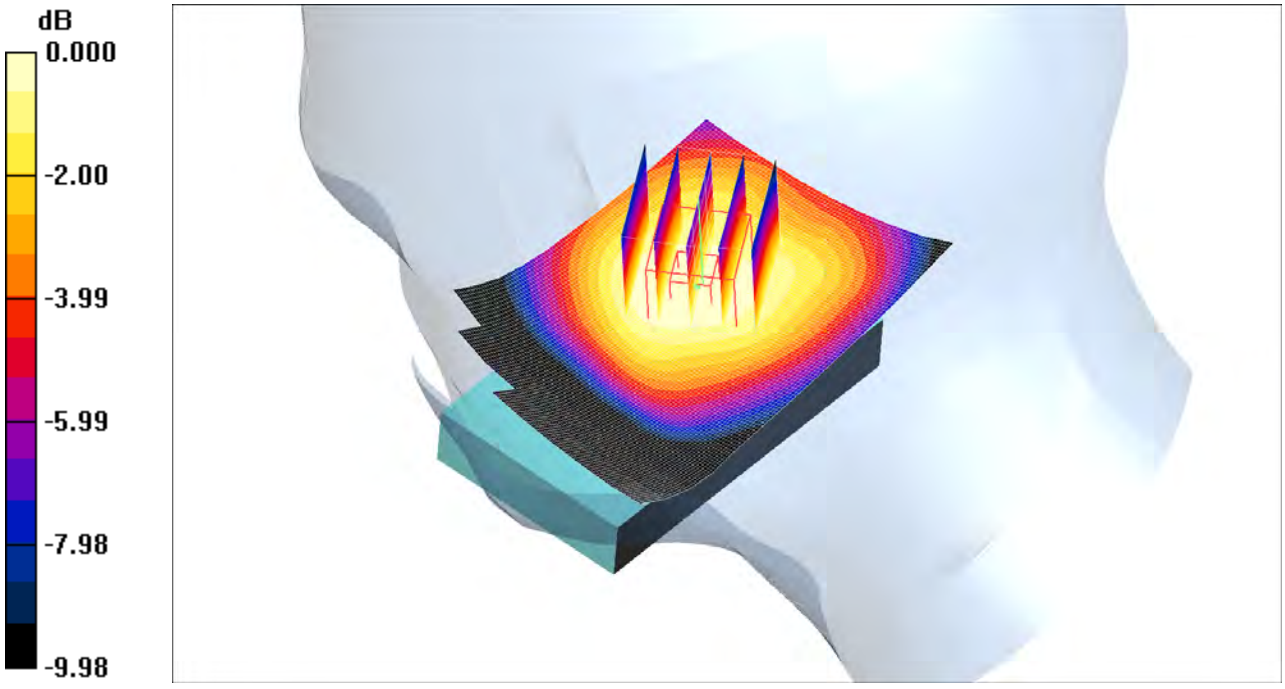
Satsuma125-RightHandSide-GSM850-Touch-Low

DUT: Satsuma; Type: DUT; Serial: #20659

Communication System: GSM 850; Frequency: 824.2 MHz;Duty Cycle: 1:8.3
Medium parameters used: f = 824.2 MHz; σ = 0.891 mho/m; ε_r = 42.9; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1610; ConvF(6.32, 6.32, 6.32); Calibrated: 11/16/2010
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn448; Calibrated: 11/17/2010
- Phantom: SAM-2; Type: SAM; Serial: 1025
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 172
  Touch 2/Area Scan (81x131x1): Measurement grid: dx=10mm, dy=10mm
  Maximum value of SAR (interpolated) = 0.908 mW/g
  Touch 2/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
  Reference Value = 28.7 V/m; Power Drift = -0.181 dB
  Peak SAR (extrapolated) = 1.07 W/kg
  SAR(1 g) = 0.838 mW/g; SAR(10 g) = 0.623 mW/g
  Maximum value of SAR (measured) = 0.883 mW/g



0 dB = 0.883mW/g

Date/Time: 8/2/2011 10:21:23 AM

Test Laboratory: The name of your organization

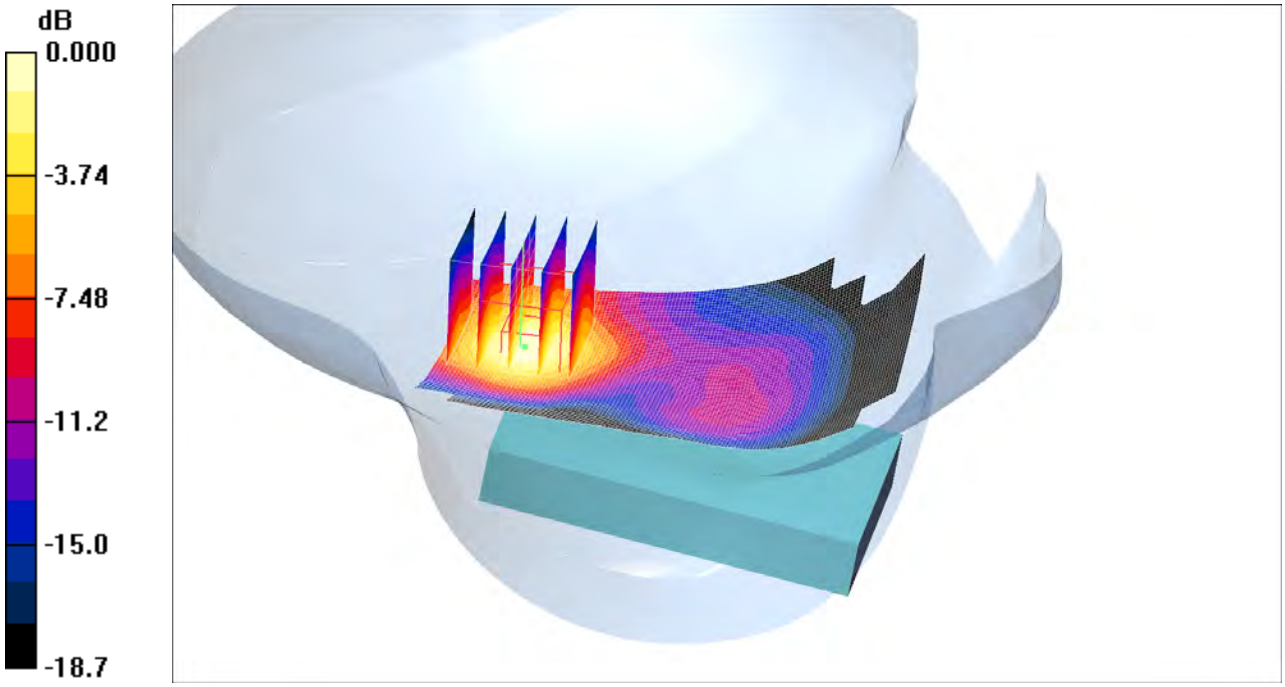
Satsuma125-LeftHandSide-1900-Tilt-Mid

DUT: Satsuma; Type: DUT; Serial: #20659

Communication System: DCS 1900; Frequency: 1880 MHz;Duty Cycle: 1:8.3
Medium parameters used: f = 1880 MHz; σ = 1.39 mho/m; ε_r = 38.7; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1584; ConvF(5.21, 5.21, 5.21); Calibrated: 11/16/2010
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn417; Calibrated: 11/16/2010
- Phantom: SAM with CRP (High Band Head); Type: SAM; Serial: TP: 1054
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 172
  Tilt position/Area Scan (81x131x1): Measurement grid: dx=10mm, dy=10mm
  Maximum value of SAR (interpolated) = 1.18 mW/g
  Tilt position/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
  Reference Value = 24.0 V/m; Power Drift = -0.067 dB
  Peak SAR (extrapolated) = 1.72 W/kg
  SAR(1 g) = 1.01 mW/g; SAR(10 g) = 0.522 mW/g
  Maximum value of SAR (measured) = 1.17 mW/g



0 dB = 1.17mW/g

Date/Time: 8/2/2011 10:02:10 AM

Test Laboratory: The name of your organization

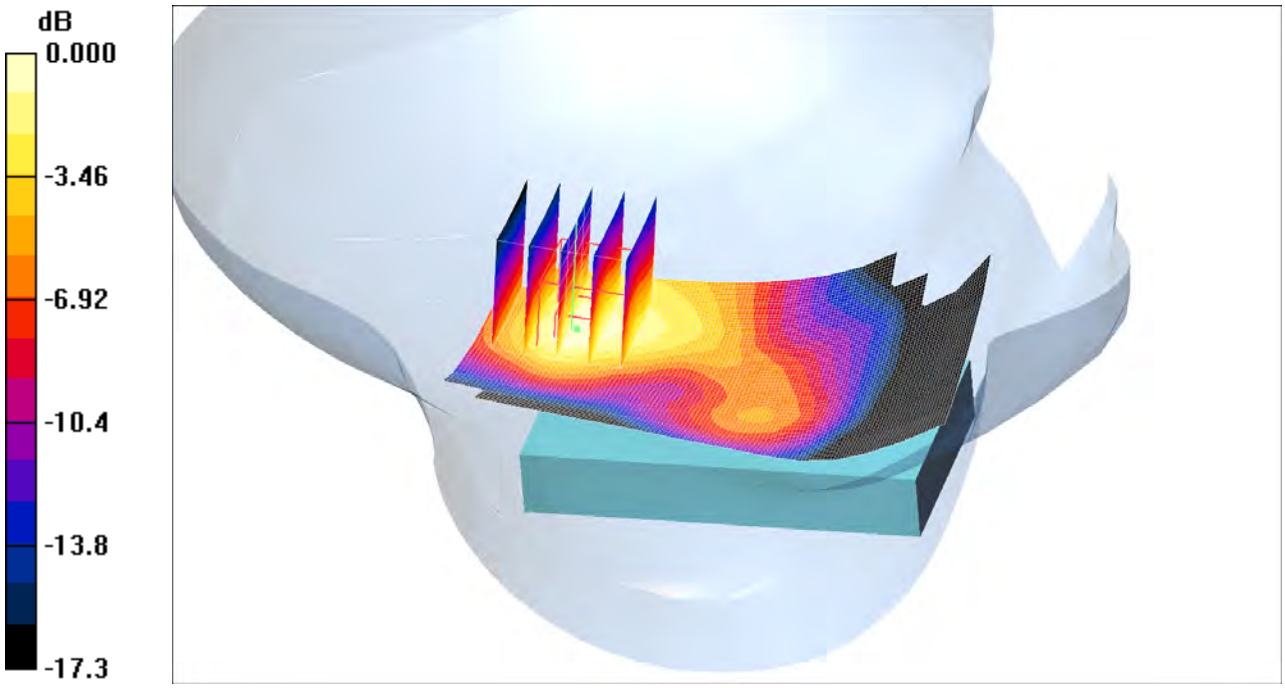
Satsuma125-LeftHandSide-1900-Touch-Mid

DUT: Satsuma; Type: DUT; Serial: #20659

Communication System: DCS 1900; Frequency: 1880 MHz;Duty Cycle: 1:8.3
Medium parameters used: f = 1880 MHz; σ = 1.39 mho/m; ε_r = 38.7; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1584; ConvF(5.21, 5.21, 5.21); Calibrated: 11/16/2010
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn417; Calibrated: 11/16/2010
- Phantom: SAM with CRP (High Band Head); Type: SAM; Serial: TP: 1054
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 172
  Touch position/Area Scan (81x131x1): Measurement grid: dx=10mm, dy=10mm
  Maximum value of SAR (interpolated) = 0.940 mW/g
  Touch position/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
  Reference Value = 20.1 V/m; Power Drift = 0.025 dB
  Peak SAR (extrapolated) = 1.39 W/kg
  SAR(1 g) = 0.840 mW/g; SAR(10 g) = 0.480 mW/g
  Maximum value of SAR (measured) = 0.944 mW/g



0 dB = 0.944mW/g

Date/Time: 8/2/2011 11:50:44 AM

Test Laboratory: The name of your organization

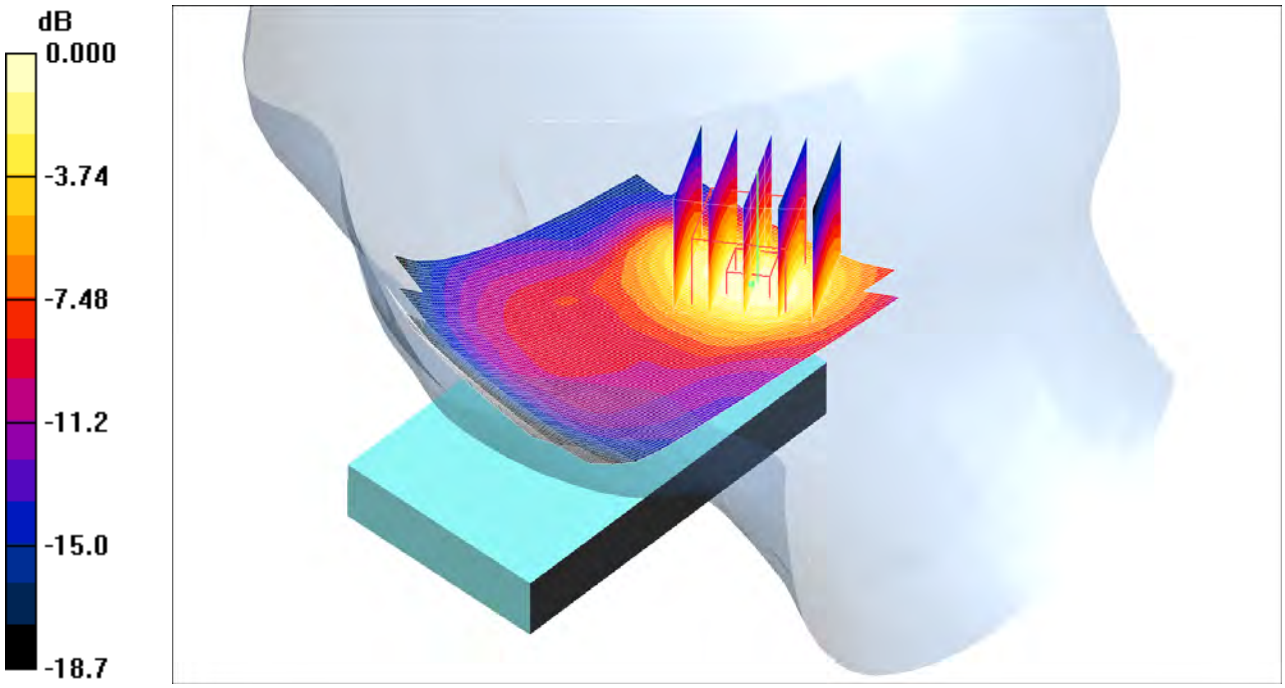
Satsuma125-RightHandSide-1900-Tilt-Mid

DUT: Satsuma; Type: DUT; Serial: #20659

Communication System: DCS 1900; Frequency: 1880 MHz;Duty Cycle: 1:8.3
Medium parameters used: f = 1880 MHz; σ = 1.39 mho/m; ε_r = 38.7; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1584; ConvF(5.21, 5.21, 5.21); Calibrated: 11/16/2010
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn417; Calibrated: 11/16/2010
- Phantom: SAM with CRP (High Band Head); Type: SAM; Serial: TP: 1054
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 172
  Tilt position/Area Scan (81x131x1): Measurement grid: dx=10mm, dy=10mm
  Maximum value of SAR (interpolated) = 0.800 mW/g
  Tilt position/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
  Reference Value = 23.4 V/m; Power Drift = 0.115 dB
  Peak SAR (extrapolated) = 1.13 W/kg
  SAR(1 g) = 0.691 mW/g; SAR(10 g) = 0.384 mW/g
  Maximum value of SAR (measured) = 0.799 mW/g



0 dB = 0.799mW/g

Date/Time: 8/2/2011 11:30:39 AM

Test Laboratory: The name of your organization

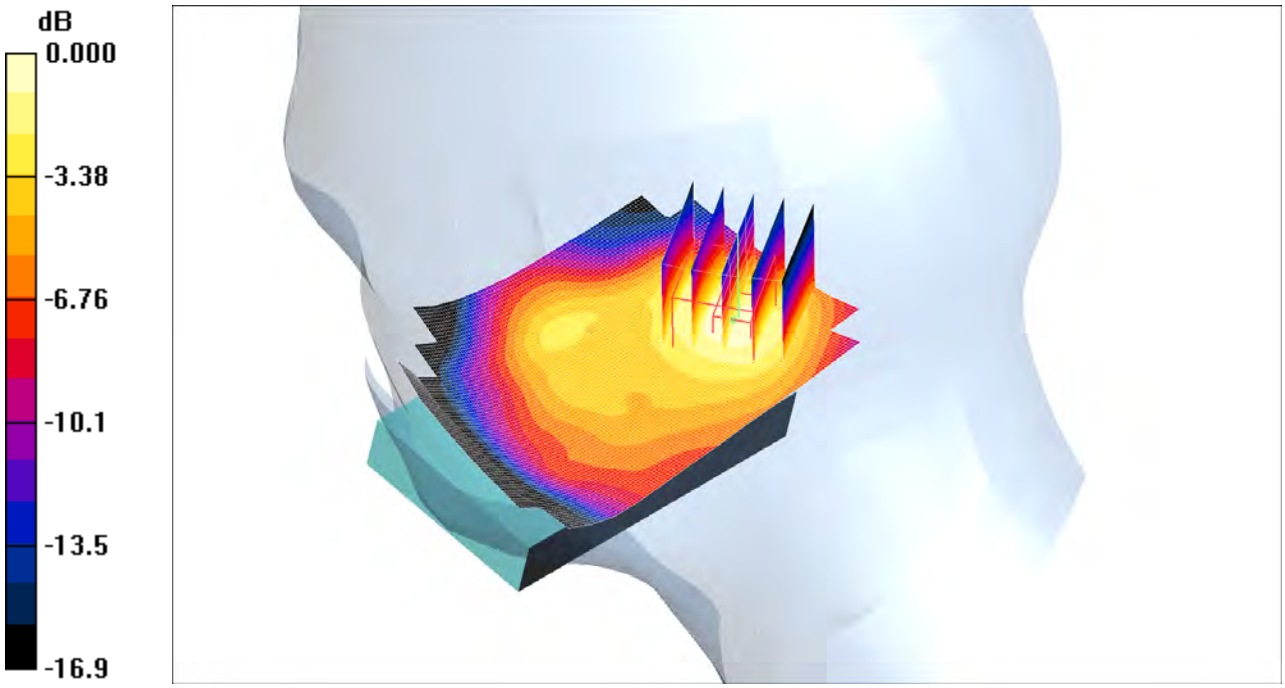
Satsuma125-RightHandSide-1900-Touch-Mid

DUT: Satsuma; Type: DUT; Serial: #20659

Communication System: DCS 1900; Frequency: 1880 MHz;Duty Cycle: 1:8.3
Medium parameters used: f = 1880 MHz; σ = 1.39 mho/m; ε_r = 38.7; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1584; ConvF(5.21, 5.21, 5.21); Calibrated: 11/16/2010
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn417; Calibrated: 11/16/2010
- Phantom: SAM with CRP (High Band Head); Type: SAM; Serial: TP: 1054
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 172
  Touch position/Area Scan (81x131x1): Measurement grid: dx=10mm, dy=10mm
  Maximum value of SAR (interpolated) = 0.628 mW/g
  Touch position/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
  Reference Value = 20.9 V/m; Power Drift = 0.200 dB
  Peak SAR (extrapolated) = 0.922 W/kg
  SAR(1 g) = 0.580 mW/g; SAR(10 g) = 0.341 mW/g
  Maximum value of SAR (measured) = 0.670 mW/g



0 dB = 0.670mW/g

Date/Time: 8/3/2011 12:17:04 PM

Test Laboratory: The name of your organization

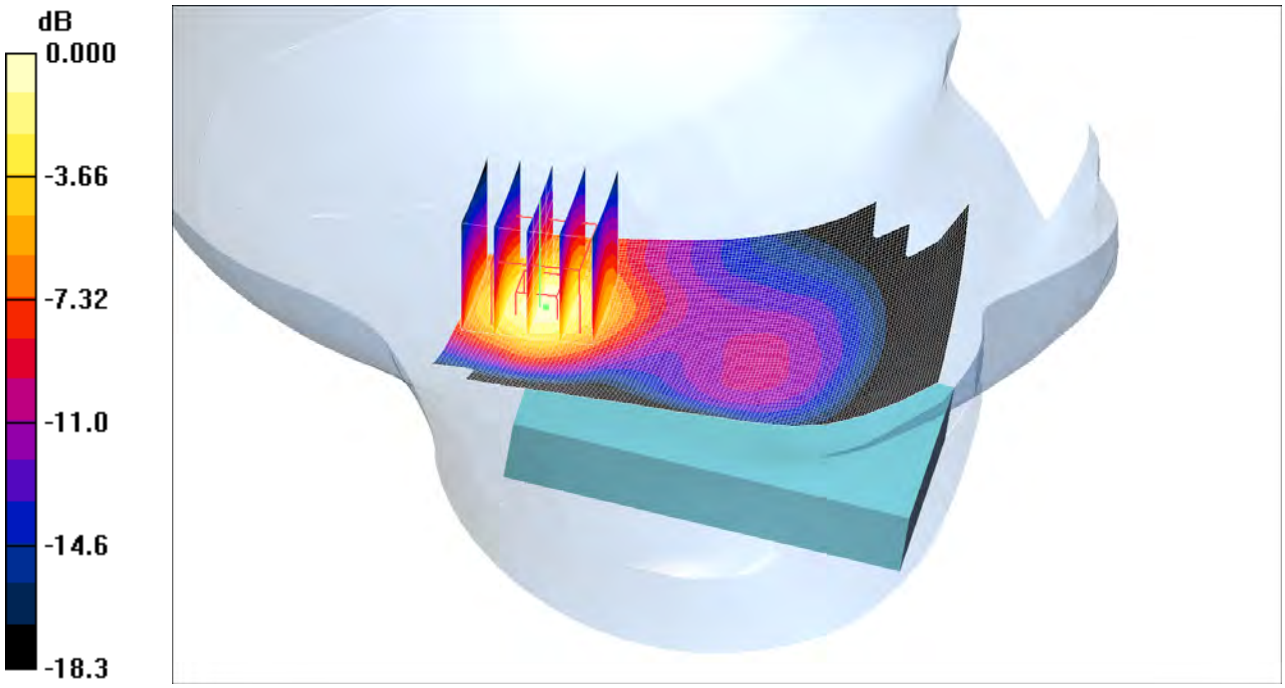
Satsuma125-LeftHandSide-UMTS2-Tilt-Low

DUT: Satsuma; Type: DUT; Serial: #20659

Communication System: WCDMA Band II; Frequency: 1852.4 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1852.4 MHz; σ = 1.37 mho/m; ε_r = 38.5; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1584; ConvF(5.21, 5.21, 5.21); Calibrated: 11/16/2010
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn417; Calibrated: 11/16/2010
- Phantom: SAM with CRP (High Band Head); Type: SAM; Serial: TP: 1054
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 172
  Tilt position 2/Area Scan (81x131x1): Measurement grid: dx=10mm, dy=10mm
  Maximum value of SAR (interpolated) = 1.22 mW/g
  Tilt position 2/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
  Reference Value = 24.5 V/m; Power Drift = 0.075 dB
  Peak SAR (extrapolated) = 1.85 W/kg
  SAR(1 g) = 1.07 mW/g; SAR(10 g) = 0.556 mW/g
  Maximum value of SAR (measured) = 1.27 mW/g



0 dB = 1.27mW/g

Date/Time: 8/3/2011 11:26:02 AM

Test Laboratory: The name of your organization

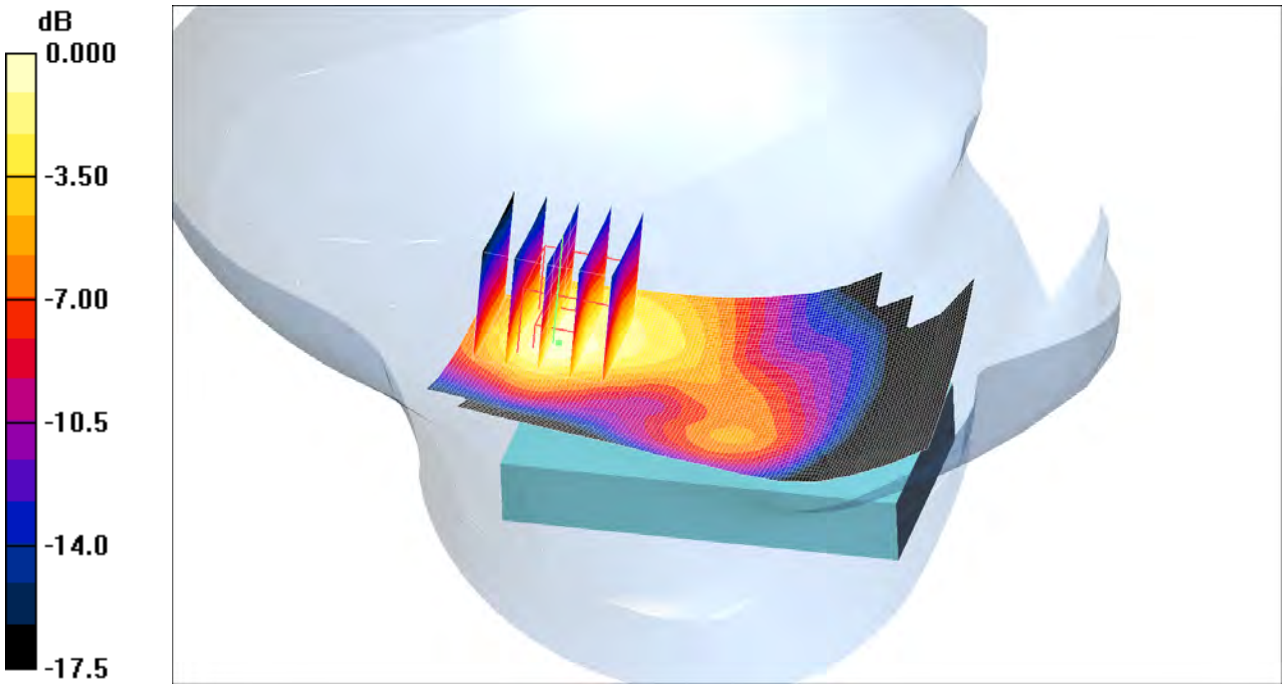
Satsuma125-LeftHandSide-UMTS2-Touch-Mid

DUT: Satsuma; Type: DUT; Serial: #20659

Communication System: WCDMA Band II; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1880 MHz; σ = 1.39 mho/m; ε_r = 38.4; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1584; ConvF(5.21, 5.21, 5.21); Calibrated: 11/16/2010
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn417; Calibrated: 11/16/2010
- Phantom: SAM with CRP (High Band Head); Type: SAM; Serial: TP: 1054
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 172
  Touch position/Area Scan (81x131x1): Measurement grid: dx=10mm, dy=10mm
  Maximum value of SAR (interpolated) = 1.07 mW/g
  Touch position/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
  Reference Value = 21.3 V/m; Power Drift = -0.092 dB
  Peak SAR (extrapolated) = 1.54 W/kg
  SAR(1 g) = 0.926 mW/g; SAR(10 g) = 0.520 mW/g
  Maximum value of SAR (measured) = 1.06 mW/g



0 dB = 1.06mW/g

Date/Time: 8/3/2011 1:55:25 PM

Test Laboratory: The name of your organization

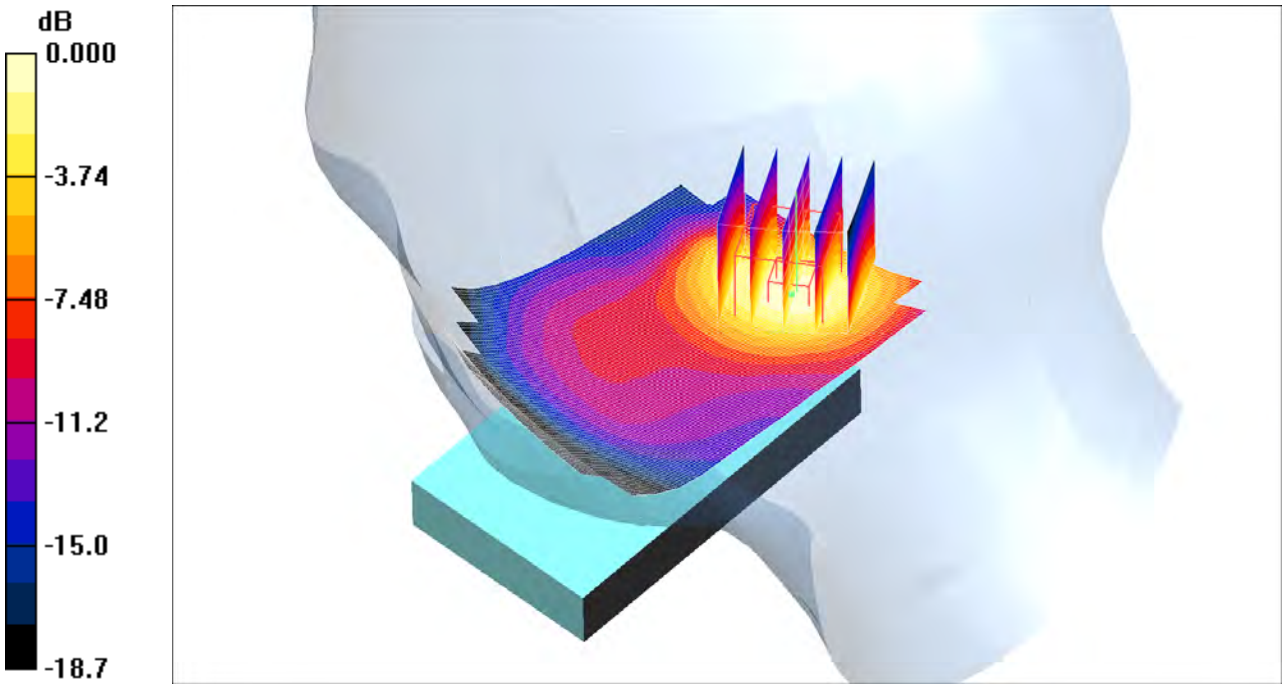
Satsuma125-RightHandSide-UMTS2-Tilt-Mid

DUT: Satsuma; Type: DUT; Serial: #20659

Communication System: WCDMA Band II; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1880 MHz; σ = 1.39 mho/m; ε_r = 38.4; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1584; ConvF(5.21, 5.21, 5.21); Calibrated: 11/16/2010
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn417; Calibrated: 11/16/2010
- Phantom: SAM with CRP (High Band Head); Type: SAM; Serial: TP: 1054
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 172
  Tilt position/Area Scan (81x131x1): Measurement grid: dx=10mm, dy=10mm
  Maximum value of SAR (interpolated) = 0.941 mW/g
  Tilt position/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
  Reference Value = 25.0 V/m; Power Drift = 0.009 dB
  Peak SAR (extrapolated) = 1.36 W/kg
  SAR(1 g) = 0.832 mW/g; SAR(10 g) = 0.461 mW/g
  Maximum value of SAR (measured) = 0.947 mW/g



0 dB = 0.947mW/g

Date/Time: 8/3/2011 1:24:20 PM

Test Laboratory: The name of your organization

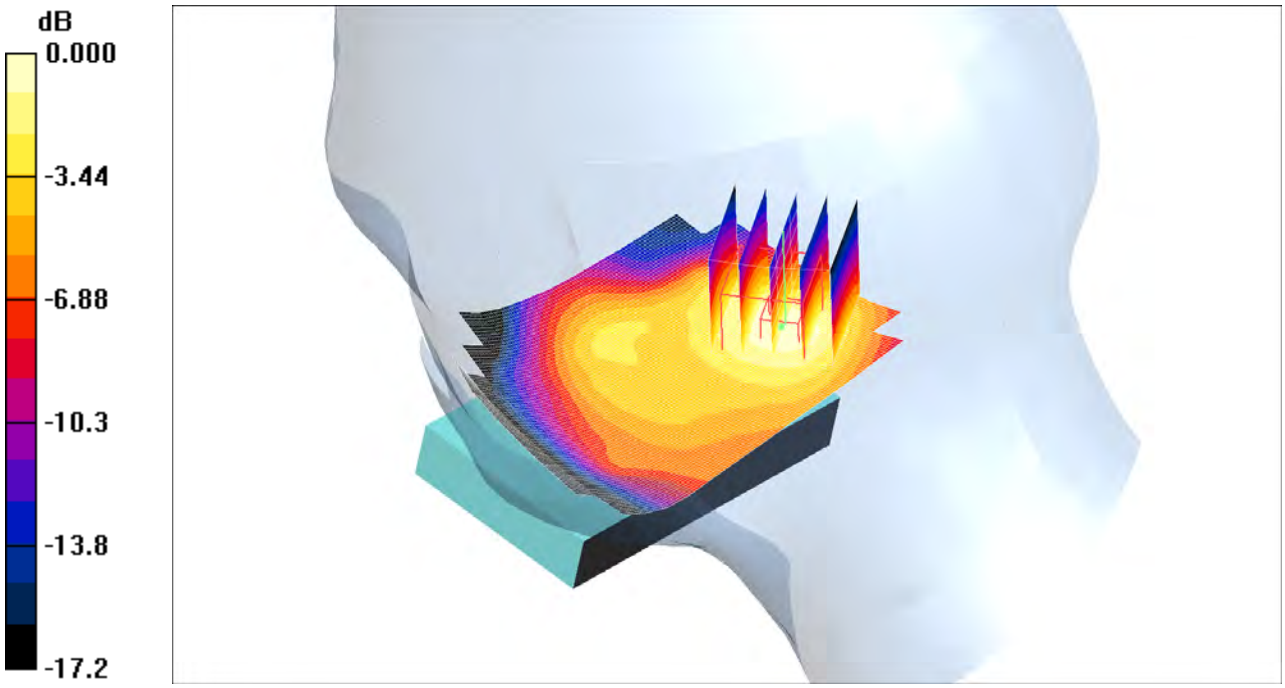
Satsuma125-RightHandSide-UMTS2-Touch-Mid

DUT: Satsuma; Type: DUT; Serial: #20659

Communication System: WCDMA Band II; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1880 MHz; σ = 1.39 mho/m; ε_r = 38.4; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1584; ConvF(5.21, 5.21, 5.21); Calibrated: 11/16/2010
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn417; Calibrated: 11/16/2010
- Phantom: SAM with CRP (High Band Head); Type: SAM; Serial: TP: 1054
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 172
  Touch position/Area Scan (81x131x1): Measurement grid: dx=10mm, dy=10mm
  Maximum value of SAR (interpolated) = 0.750 mW/g
  Touch position/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
  Reference Value = 22.2 V/m; Power Drift = 0.040 dB
  Peak SAR (extrapolated) = 1.08 W/kg
  SAR(1 g) = 0.671 mW/g; SAR(10 g) = 0.392 mW/g
  Maximum value of SAR (measured) = 0.751 mW/g



0 dB = 0.751mW/g

Date/Time: 7/25/2011 10:23:16 AM

Test Laboratory: Sony Ericsson Mobile Communications International AB

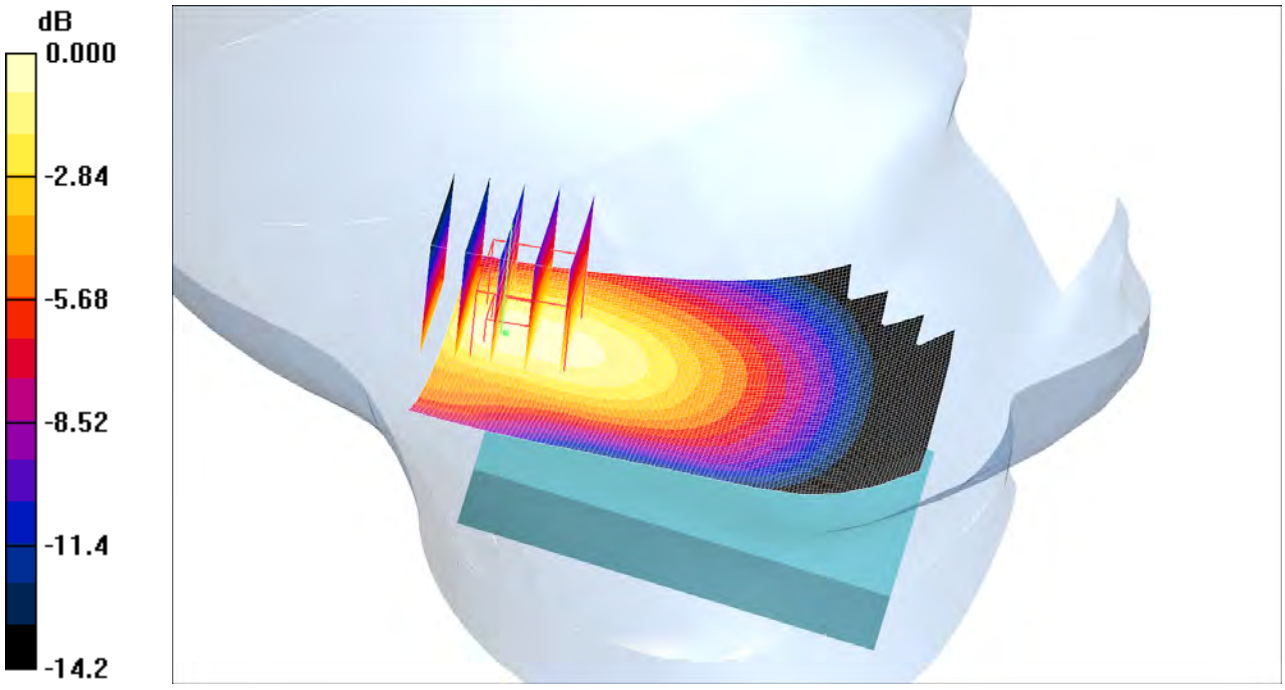
Satsuma125-LeftHandSide-UMTS5-Tilt-Mid

DUT: Satsuma; Type: DUT; Serial: #20659

Communication System: WCDMA Band5; Frequency: 836.6 MHz;Duty Cycle: 1:1
Medium parameters used: f = 836.806 MHz; σ = 0.876 mho/m; ε_r = 41.3; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1610; ConvF(6.32, 6.32, 6.32); Calibrated: 11/16/2010
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn448; Calibrated: 11/17/2010
- Phantom: SAM-2; Type: SAM; Serial: 1025
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 172
  Tilt/Area Scan (81x131x1): Measurement grid: dx=10mm, dy=10mm
  Maximum value of SAR (interpolated) = 0.543 mW/g
  Tilt/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
  Reference Value = 21.4 V/m; Power Drift = -0.051 dB
  Peak SAR (extrapolated) = 0.829 W/kg
  SAR(1 g) = 0.483 mW/g; SAR(10 g) = 0.301 mW/g
  Maximum value of SAR (measured) = 0.538 mW/g



0 dB = 0.538mW/g

Date/Time: 7/25/2011 11:13:25 AM

Test Laboratory: Sony Ericsson Mobile Communications International AB

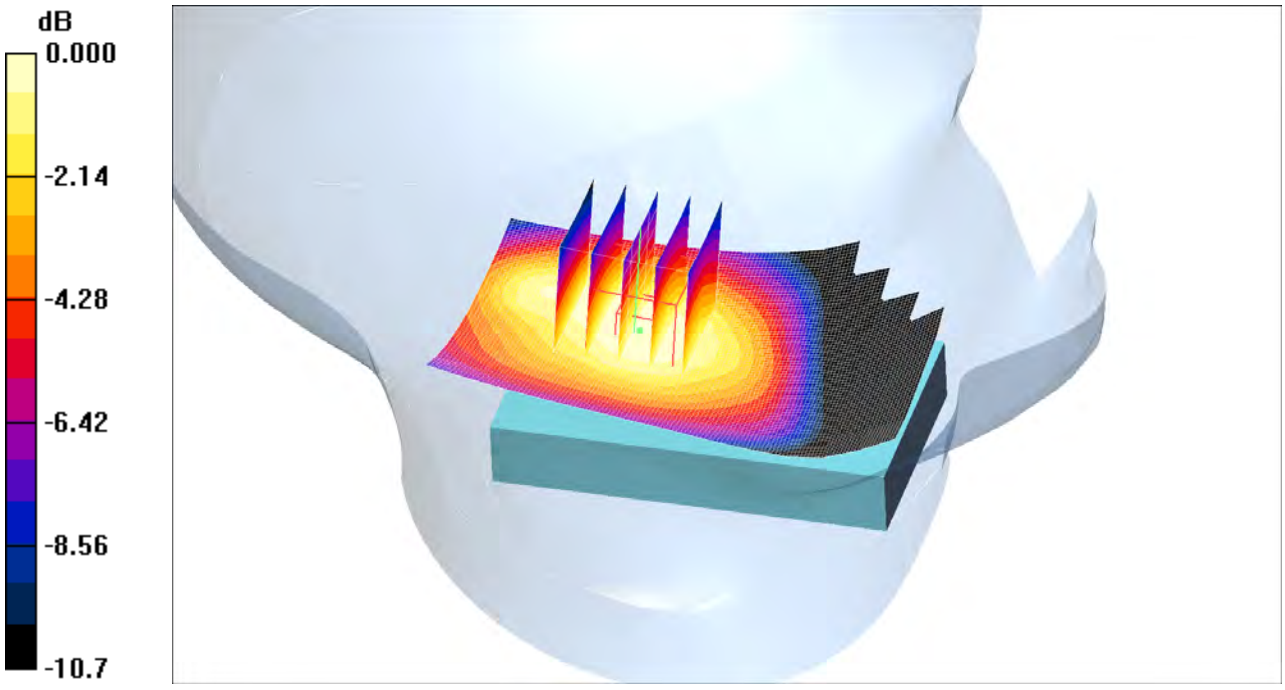
Satsuma125-LeftHandSide-UMTS5-Touch-Low

DUT: Satsuma; Type: DUT; Serial: #20659

Communication System: WCDMA Band5; Frequency: 826.4 MHz;Duty Cycle: 1:1
Medium parameters used: f = 826.4 MHz; σ = 0.866 mho/m; ε_r = 41.5; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1610; ConvF(6.32, 6.32, 6.32); Calibrated: 11/16/2010
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn448; Calibrated: 11/17/2010
- Phantom: SAM-2; Type: SAM; Serial: 1025
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 172
  Touch 2/Area Scan (81x131x1): Measurement grid: dx=10mm, dy=10mm
  Maximum value of SAR (interpolated) = 0.644 mW/g
  Touch 2/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
  Reference Value = 23.2 V/m; Power Drift = -0.023 dB
  Peak SAR (extrapolated) = 0.799 W/kg
  SAR(1 g) = 0.602 mW/g; SAR(10 g) = 0.435 mW/g
  Maximum value of SAR (measured) = 0.632 mW/g



0 dB = 0.632mW/g

Date/Time: 7/25/2011 1:21:50 PM

Test Laboratory: Sony Ericsson Mobile Communications International AB

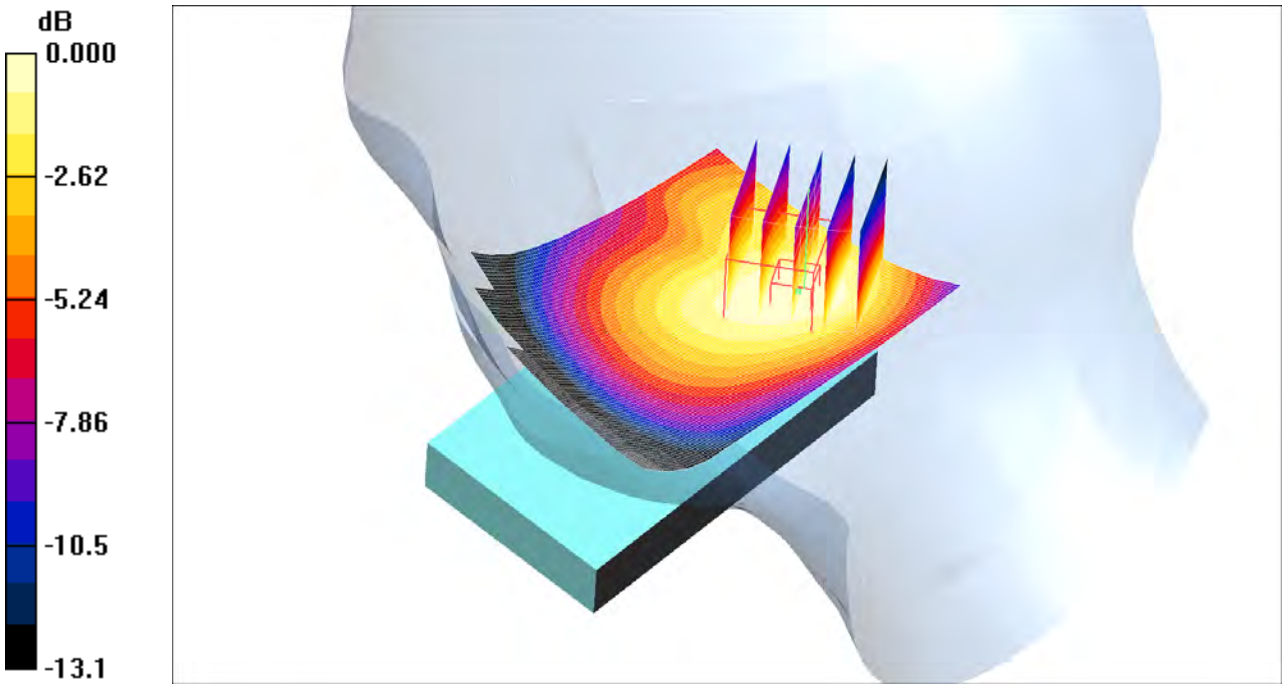
Satsuma125-RightHandSide-UMTS5-Tilt-Mid

DUT: Satsuma; Type: DUT; Serial: #20659

Communication System: WCDMA Band5; Frequency: 836.6 MHz;Duty Cycle: 1:1
Medium parameters used: f = 836.806 MHz; σ = 0.876 mho/m; ε_r = 41.3; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1610; ConvF(6.32, 6.32, 6.32); Calibrated: 11/16/2010
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn448; Calibrated: 11/17/2010
- Phantom: SAM-2; Type: SAM; Serial: 1025
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 172
  Tilt/Area Scan (81x131x1): Measurement grid: dx=10mm, dy=10mm
  Maximum value of SAR (interpolated) = 0.442 mW/g
  Tilt/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
  Reference Value = 21.5 V/m; Power Drift = 0.081 dB
  Peak SAR (extrapolated) = 0.591 W/kg
  SAR(1 g) = 0.407 mW/g; SAR(10 g) = 0.282 mW/g
  Maximum value of SAR (measured) = 0.439 mW/g



0 dB = 0.439mW/g

Date/Time: 7/25/2011 3:05:06 PM

Test Laboratory: Sony Ericsson Mobile Communications International AB

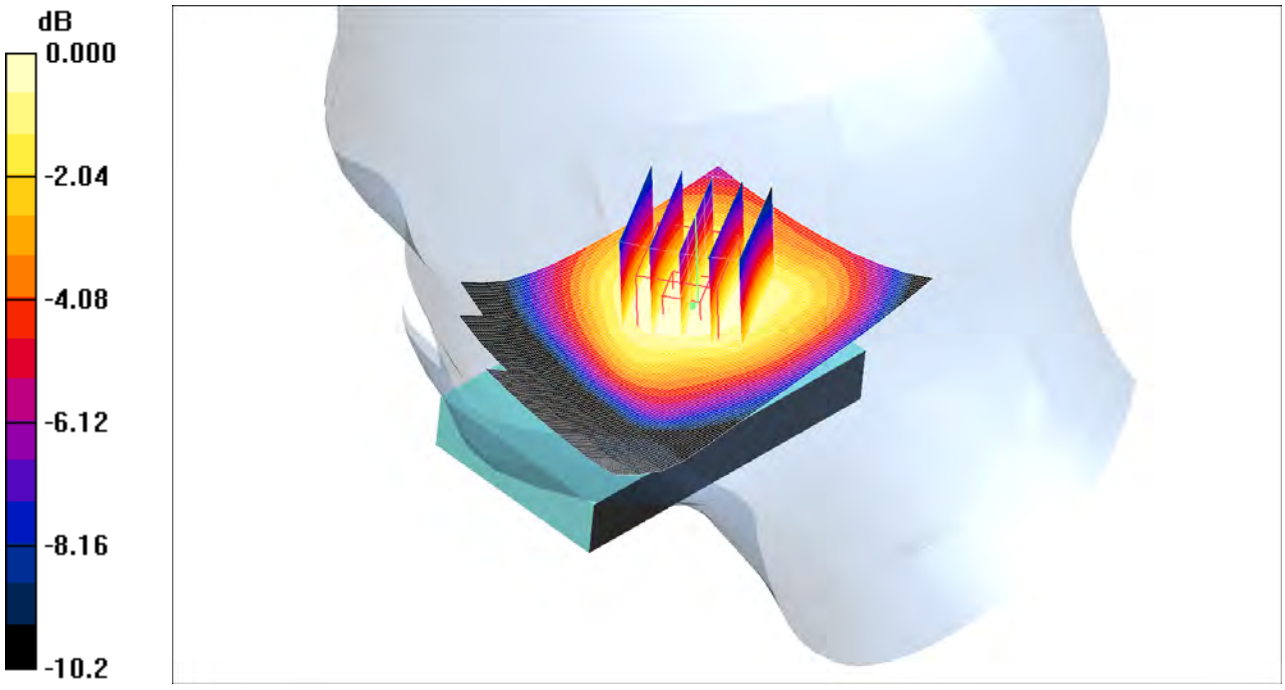
Satsuma125-RightHandSide-UMTS5-Touch-Low

DUT: Satsuma; Type: DUT; Serial: #20659

Communication System: WCDMA Band5; Frequency: 826.4 MHz;Duty Cycle: 1:1
Medium parameters used: f = 826.4 MHz; σ = 0.866 mho/m; ε_r = 41.5; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1610; ConvF(6.32, 6.32, 6.32); Calibrated: 11/16/2010
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn448; Calibrated: 11/17/2010
- Phantom: SAM-2; Type: SAM; Serial: 1025
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 172
  Touch 2/Area Scan (81x131x1): Measurement grid: dx=10mm, dy=10mm
  Maximum value of SAR (interpolated) = 0.692 mW/g
  Touch 2/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
  Reference Value = 25.5 V/m; Power Drift = -0.211 dB
  Peak SAR (extrapolated) = 0.815 W/kg
  SAR(1 g) = 0.650 mW/g; SAR(10 g) = 0.480 mW/g
  Maximum value of SAR (measured) = 0.683 mW/g



0 dB = 0.683mW/g

Date/Time: 8/2/2011 10:39:13 AM

Test Laboratory: Sony Ericsson Mobile Communications

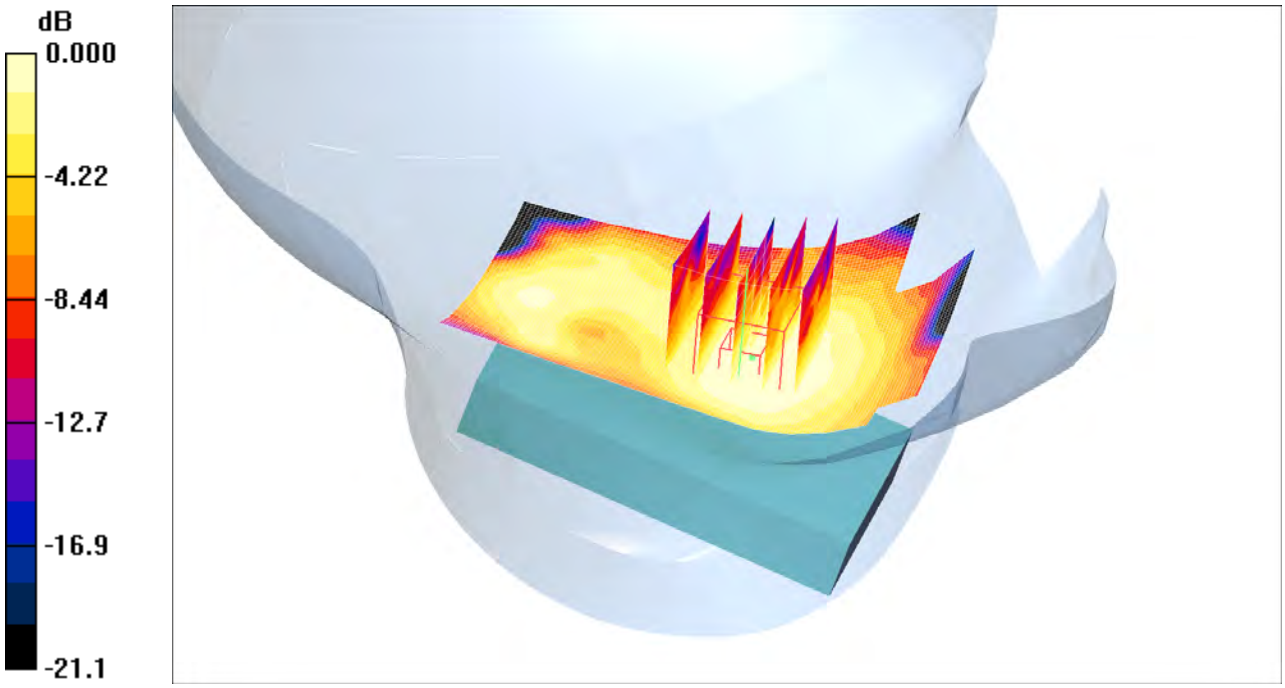
Satsuma125-LeftHandSide-WLAN-Tilt-Ch6

DUT: Satsuma; Type: DUT; Serial: #20662

Communication System: WLAN; Frequency: 2437 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 2437 MHz; σ = 1.83 mho/m; ε_r = 37.4; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1539; ConvF(4.22, 4.22, 4.22); Calibrated: 11/16/2010
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn415; Calibrated: 11/16/2010
- Phantom: WLAN (Head) SAM with CRP; Type: SAM;
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 172
  Tilt position/Area Scan (81x121x1): Measurement grid: dx=10mm, dy=10mm
  Maximum value of SAR (interpolated) = 0.031 mW/g
  Tilt position/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
  Reference Value = 4.04 V/m; Power Drift = 0.226 dB
  Peak SAR (extrapolated) = 0.031 W/kg
  SAR(1 g) = 0.025 mW/g; SAR(10 g) = 0.014 mW/g
  Maximum value of SAR (measured) = 0.030 mW/g



0 dB = 0.030mW/g

Date/Time: 8/2/2011 11:10:49 AM

Test Laboratory: Sony Ericsson Mobile Communications

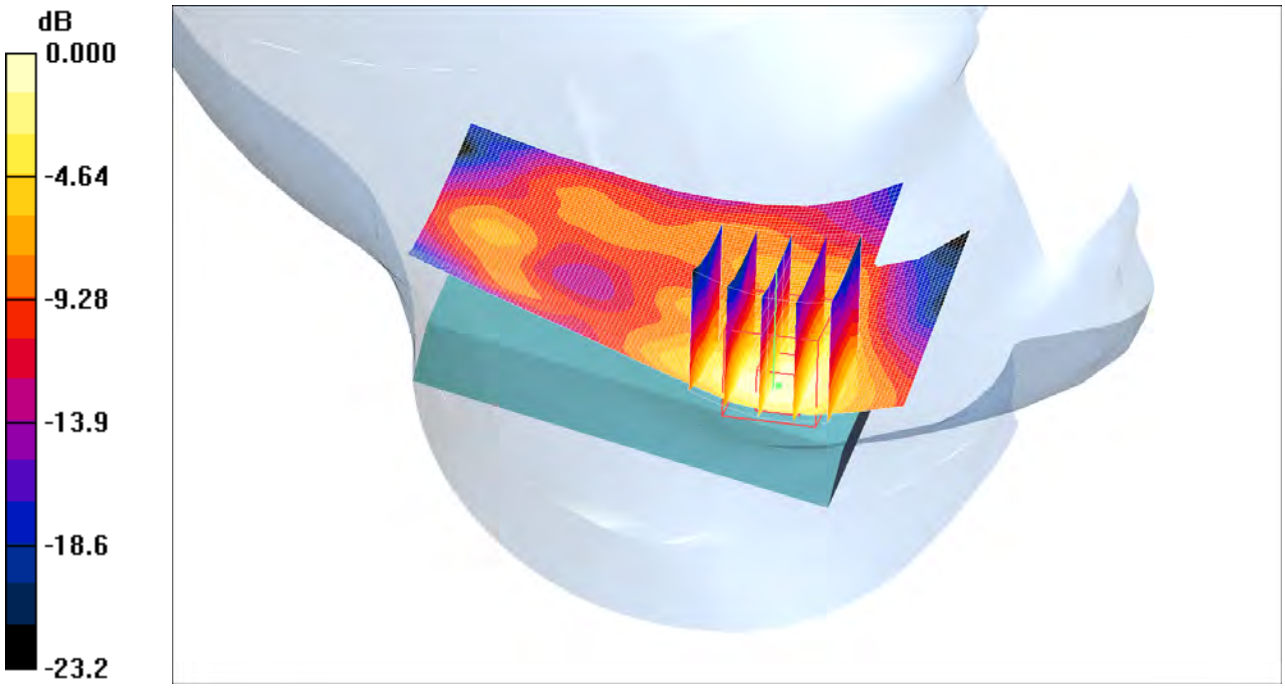
Satsuma125-LeftHandSide-WLAN-Touch-Ch1

DUT: Satsuma; Type: DUT; Serial: #20662

Communication System: WLAN; Frequency: 2412 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2412 MHz; σ = 1.8 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 - SN1539; ConvF(4.22, 4.22, 4.22); Calibrated: 11/16/2010
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn415; Calibrated: 11/16/2010
- Phantom: WLAN (Head) SAM with CRP; Type: SAM;
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 172
  Touch position 2/Area Scan (81x121x1): Measurement grid: dx=10mm, dy=10mm
  Maximum value of SAR (interpolated) = 0.218 mW/g
  Touch position 2/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
  Reference Value = 4.98 V/m; Power Drift = 0.108 dB
  Peak SAR (extrapolated) = 0.428 W/kg
  SAR(1 g) = 0.191 mW/g; SAR(10 g) = 0.091 mW/g
  Maximum value of SAR (measured) = 0.212 mW/g



0 dB = 0.212mW/g

Date/Time: 8/2/2011 1:47:00 PM

Test Laboratory: Sony Ericsson Mobile Communications

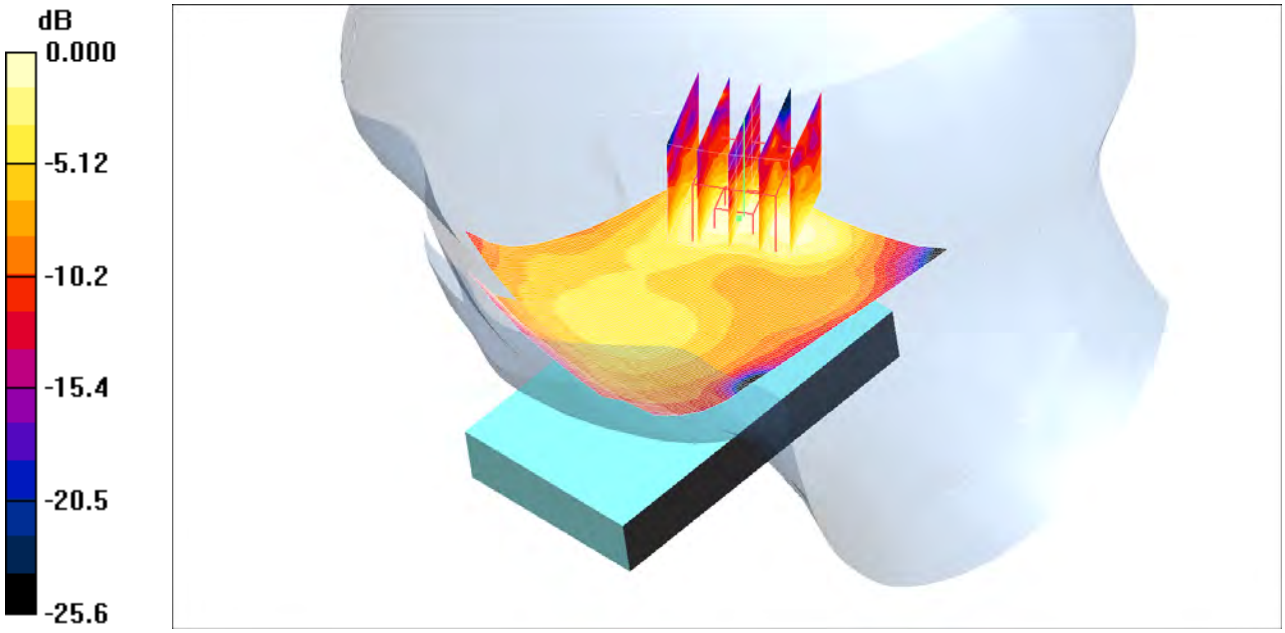
Satsuma125-RightHandSide-WLAN-Tilt-Ch6

DUT: Satsuma; Type: DUT; Serial: #20662

Communication System: WLAN; Frequency: 2437 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 2437 MHz; σ = 1.83 mho/m; ε_r = 37.4; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1539; ConvF(4.22, 4.22, 4.22); Calibrated: 11/16/2010
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn415; Calibrated: 11/16/2010
- Phantom: WLAN (Head) SAM with CRP; Type: SAM;
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 172
  Tilt position/Area Scan (81x121x1): Measurement grid: dx=10mm, dy=10mm
  Maximum value of SAR (interpolated) = 0.046 mW/g
  Tilt position/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
  Reference Value = 4.44 V/m; Power Drift = 0.181 dB
  Peak SAR (extrapolated) = 0.070 W/kg
  SAR(1 g) = 0.038 mW/g; SAR(10 g) = 0.017 mW/g
  Maximum value of SAR (measured) = 0.048 mW/g



0 dB = 0.048mW/g

Date/Time: 8/2/2011 2:13:20 PM

Test Laboratory: Sony Ericsson Mobile Communications

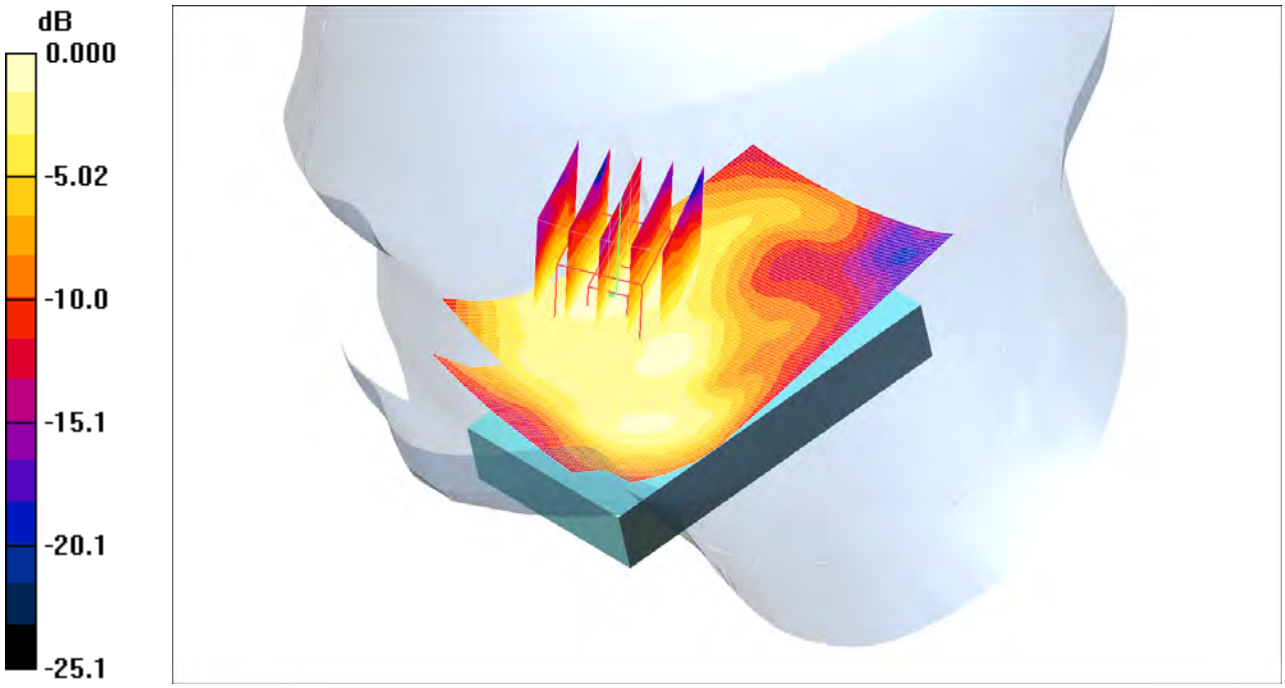
Satsuma125-RightHandSide-WLAN-Touch-Ch1

DUT: Satsuma; Type: DUT; Serial: #20662

Communication System: WLAN; Frequency: 2412 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2412 MHz; σ = 1.8 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 - SN1539; ConvF(4.22, 4.22, 4.22); Calibrated: 11/16/2010
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn415; Calibrated: 11/16/2010
- Phantom: WLAN (Head) SAM with CRP; Type: SAM;
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 172
  Touch position 2/Area Scan (81x121x1): Measurement grid: dx=10mm, dy=10mm
  Maximum value of SAR (interpolated) = 0.131 mW/g
  Touch position 2/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
  Reference Value = 3.12 V/m; Power Drift = 0.190 dB
  Peak SAR (extrapolated) = 0.271 W/kg
  SAR(1 g) = 0.119 mW/g; SAR(10 g) = 0.061 mW/g
  Maximum value of SAR (measured) = 0.137 mW/g



0 dB = 0.137mW/g

Date/Time: 7/27/2011 10:31:43 AM

Test Laboratory: Sony Ericsson Mobile Communications

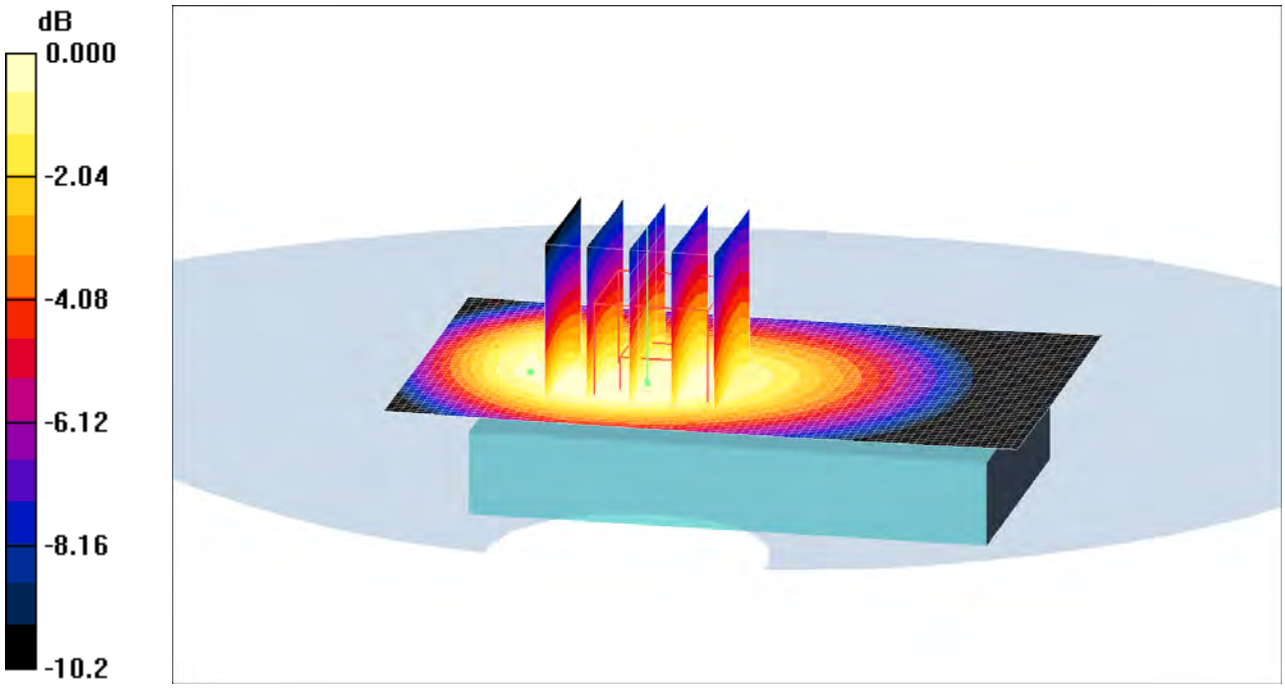
Satsuma125-Body-Flat10mm-GSM850-GPRS-3TS-Low

DUT: Satsuma; Type: DUT; Serial: #20658

Communication System: GSM 850; Frequency: 824.2 MHz;Duty Cycle: 1:3.1125
Medium parameters used: f = 824.2 MHz; σ = 0.948 mho/m; ε_r = 53.1; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1539; ConvF(5.66, 5.66, 5.66); Calibrated: 11/16/2010
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn415; Calibrated: 11/16/2010
- Phantom: SAM with CRP (Low Band Body); Type: SAM; Serial: TP: 1031
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 172
  Body GPRS/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm
  Maximum value of SAR (interpolated) = 1.36 mW/g
  Body GPRS/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
  Reference Value = 35.4 V/m; Power Drift = -0.213 dB
  Peak SAR (extrapolated) = 1.64 W/kg
  SAR(1 g) = 1.24 mW/g; SAR(10 g) = 0.875 mW/g
  Maximum value of SAR (measured) = 1.31 mW/g



0 dB = 1.31mW/g

Date/Time: 7/27/2011 10:59:44 AM

Test Laboratory: Sony Ericsson Mobile Communications

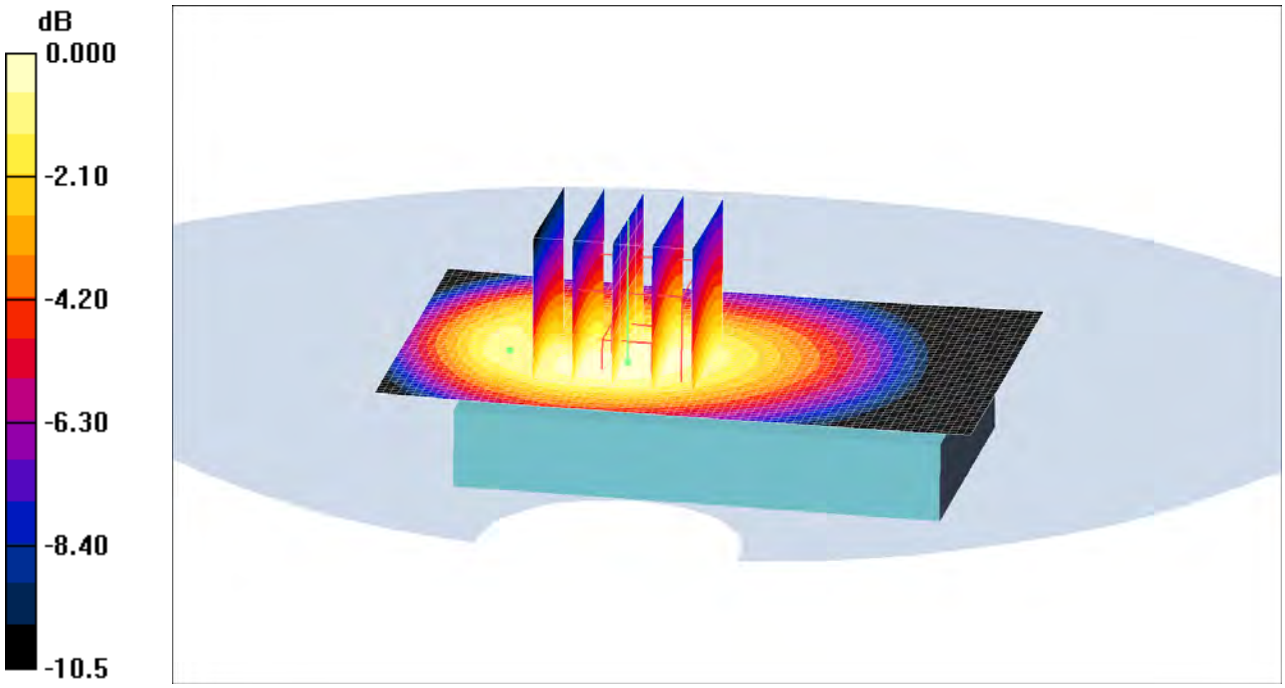
Satsuma125-Body-Flat10mm-GSM850-GPRS-3Tx-High

DUT: Satsuma; Type: DUT; Serial: #20658

Communication System: GSM 850; Frequency: 848.8 MHz;Duty Cycle: 1:3.1125
Medium parameters used: f = 848.8 MHz; σ = 0.971 mho/m; ε_r = 52.8; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1539; ConvF(5.66, 5.66, 5.66); Calibrated: 11/16/2010
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn415; Calibrated: 11/16/2010
- Phantom: SAM with CRP (Low Band Body); Type: SAM; Serial: TP: 1031
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 172
  Body GPRS 3/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm
  Maximum value of SAR (interpolated) = 0.865 mW/g
  Body GPRS 3/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
  Reference Value = 28.4 V/m; Power Drift = 0.077 dB
  Peak SAR (extrapolated) = 1.09 W/kg
  SAR(1 g) = 0.827 mW/g; SAR(10 g) = 0.583 mW/g
  Maximum value of SAR (measured) = 0.882 mW/g



0 dB = 0.882mW/g

Date/Time: 7/27/2011 10:44:48 AM

Test Laboratory: Sony Ericsson Mobile Communications

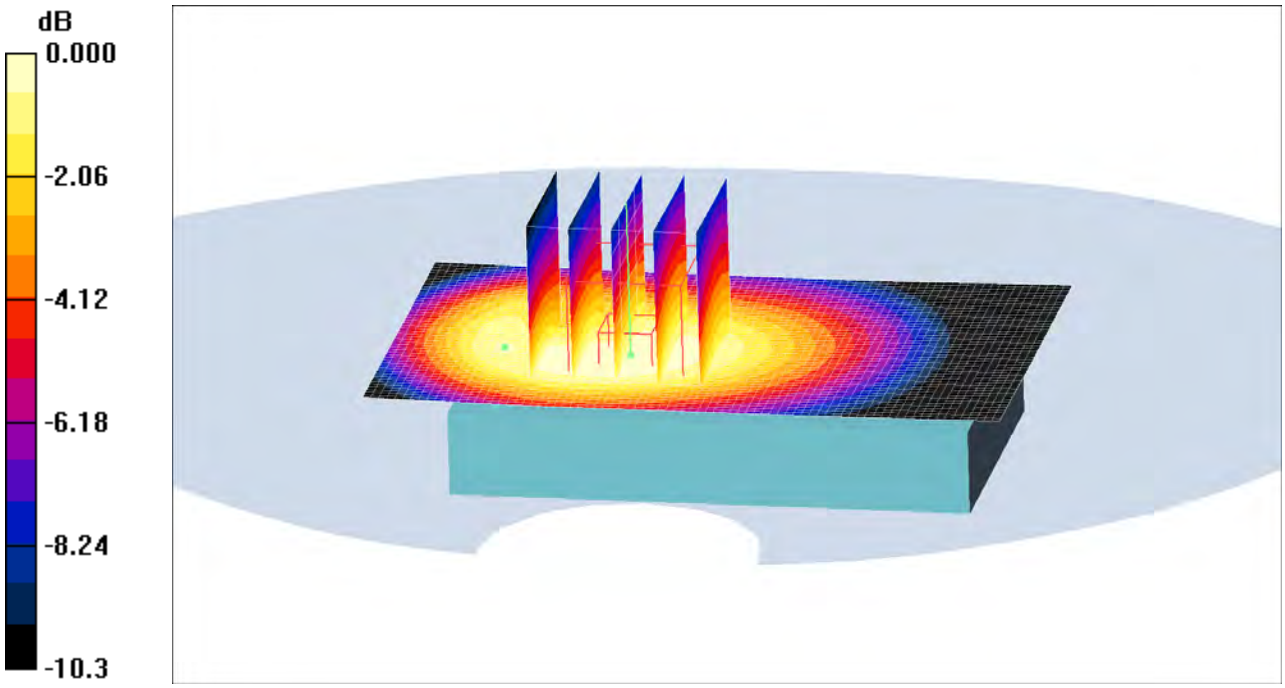
Satsuma125-Body-Flat10mm-GSM850-GPRS-3Tx-Mid

DUT: Satsuma; Type: DUT; Serial: #20658

Communication System: GSM 850; Frequency: 836.6 MHz;Duty Cycle: 1:3.1125
Medium parameters used (interpolated): f = 836.6 MHz; σ = 0.96 mho/m; ε_r = 52.9; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1539; ConvF(5.66, 5.66, 5.66); Calibrated: 11/16/2010
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn415; Calibrated: 11/16/2010
- Phantom: SAM with CRP (Low Band Body); Type: SAM; Serial: TP: 1031
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 172
  Body GPRS 2/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm
  Maximum value of SAR (interpolated) = 1.15 mW/g
  Body GPRS 2/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
  Reference Value = 32.0 V/m; Power Drift = 0.064 dB
  Peak SAR (extrapolated) = 1.41 W/kg
  SAR(1 g) = 1.06 mW/g; SAR(10 g) = 0.747 mW/g
  Maximum value of SAR (measured) = 1.13 mW/g



0 dB = 1.13mW/g

Date/Time: 7/20/2011 9:54:19 AM

Test Laboratory: Sony Ericsson Mobile Communications

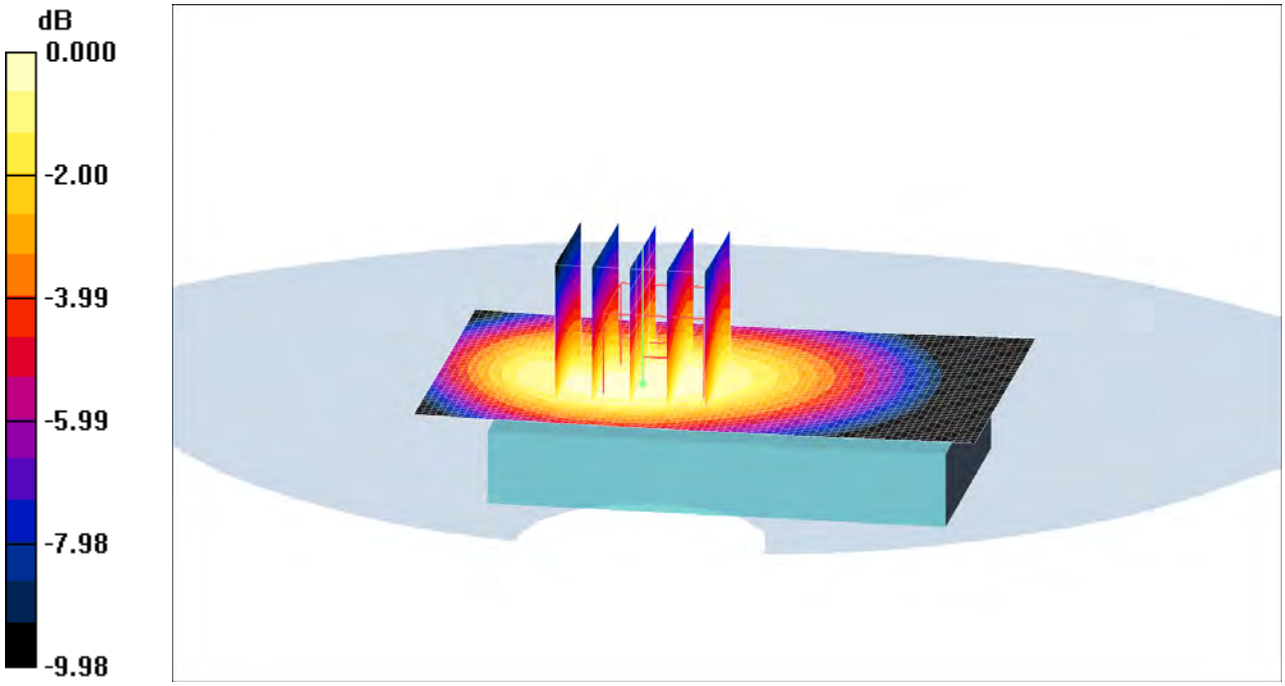
Satsuma125-Body-Flat15mm-GSM850-Speech-Low

DUT: Satsuma; Type: DUT; Serial: #20658

Communication System: GSM 850; Frequency: 824.2 MHz;Duty Cycle: 1:8.3
Medium parameters used: f = 824.2 MHz; σ = 0.968 mho/m; ε_r = 53.2; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1539; ConvF(5.66, 5.66, 5.66); Calibrated: 11/16/2010
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn415; Calibrated: 11/16/2010
- Phantom: SAM with CRP (Low Band Body); Type: SAM; Serial: TP: 1031
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 172
  Body/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm
  Maximum value of SAR (interpolated) = 1.11 mW/g
  Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
  Reference Value = 33.2 V/m; Power Drift = -0.172 dB
  Peak SAR (extrapolated) = 1.37 W/kg
  SAR(1 g) = 1.05 mW/g; SAR(10 g) = 0.753 mW/g
  Maximum value of SAR (measured) = 1.11 mW/g



0 dB = 1.11mW/g

Date/Time: 7/29/2011 1:43:23 PM

Test Laboratory: Sony Ericsson Mobile Communications

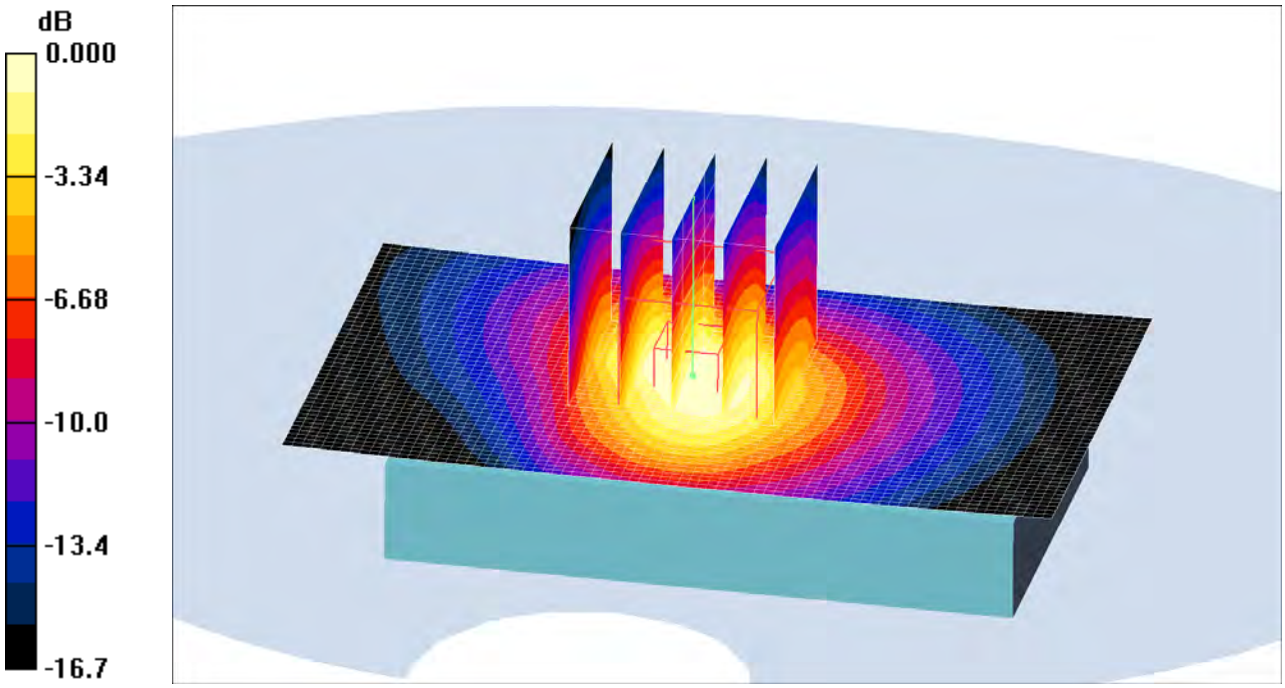
Satsuma125-Body-Flat10mm-GSM1900-Data-4Tx-Top edge-High

DUT: Satsuma; Type: DUT; Serial: #20658

Communication System: GPRS 1900; Frequency: 1909.8 MHz;Duty Cycle: 1:2.075
Medium parameters used: f = 1909.8 MHz; σ = 1.54 mho/m; ε_r = 51; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1539; ConvF(4.23, 4.23, 4.23); Calibrated: 11/16/2010
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn415; Calibrated: 11/16/2010
- Phantom: SAM with CRP (High Band Body); Type: SAM; Serial: TP: 1020
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 172
  Body Top 2 2/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm
  Maximum value of SAR (interpolated) = 1.27 mW/g
  Body Top 2 2/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
  Reference Value = 30.2 V/m; Power Drift = -0.172 dB
  Peak SAR (extrapolated) = 1.75 W/kg
  SAR(1 g) = 1.07 mW/g; SAR(10 g) = 0.609 mW/g
  Maximum value of SAR (measured) = 1.20 mW/g



0 dB = 1.20mW/g

Date/Time: 7/29/2011 1:30:20 PM

Test Laboratory: Sony Ericsson Mobile Communications

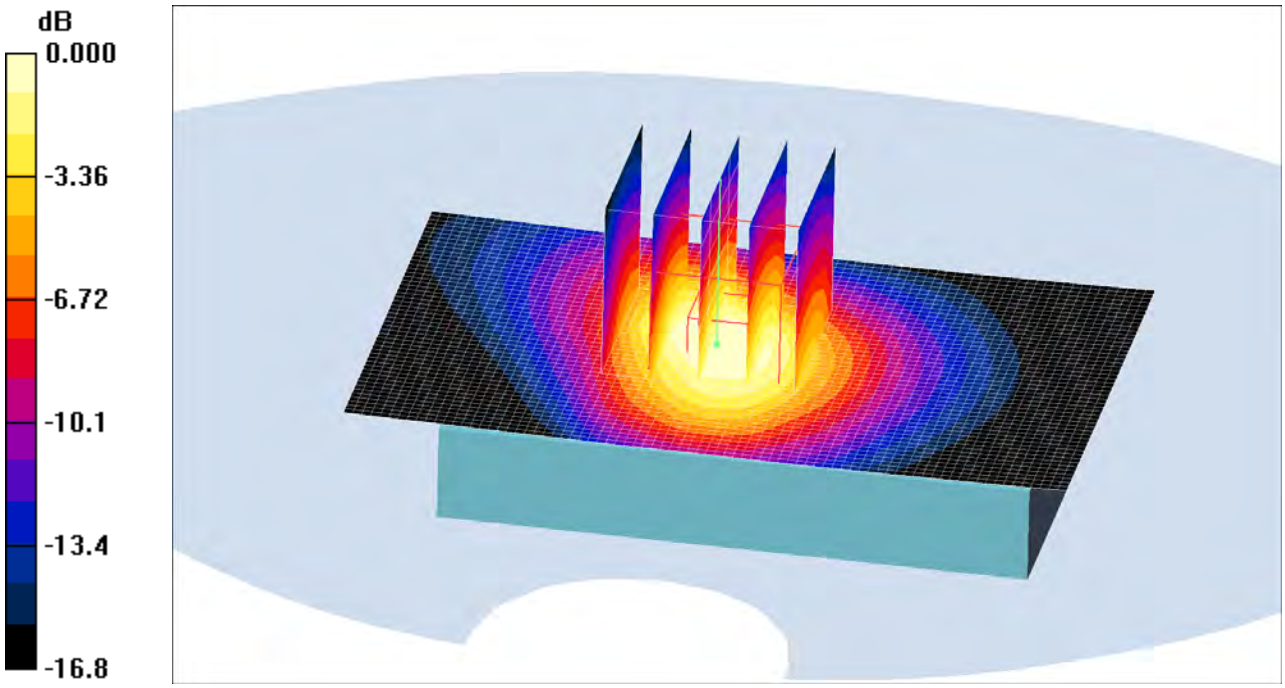
Satsuma125-Body-Flat10mm-GSM1900-Data-4Tx-Top edge-Low

DUT: Satsuma; Type: DUT; Serial: #20658

Communication System: GPRS 1900; Frequency: 1850.2 MHz;Duty Cycle: 1:2.075
Medium parameters used: f = 1850.2 MHz; σ = 1.48 mho/m; ε_r = 51.1; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1539; ConvF(4.23, 4.23, 4.23); Calibrated: 11/16/2010
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn415; Calibrated: 11/16/2010
- Phantom: SAM with CRP (High Band Body); Type: SAM; Serial: TP: 1020
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 172
  Body Top 2/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm
  Maximum value of SAR (interpolated) = 1.05 mW/g
  Body Top 2/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
  Reference Value = 26.7 V/m; Power Drift = -0.052 dB
  Peak SAR (extrapolated) = 1.37 W/kg
  SAR(1 g) = 0.869 mW/g; SAR(10 g) = 0.491 mW/g
  Maximum value of SAR (measured) = 0.976 mW/g



0 dB = 0.976mW/g

Date/Time: 7/29/2011 1:17:37 PM

Test Laboratory: Sony Ericsson Mobile Communications

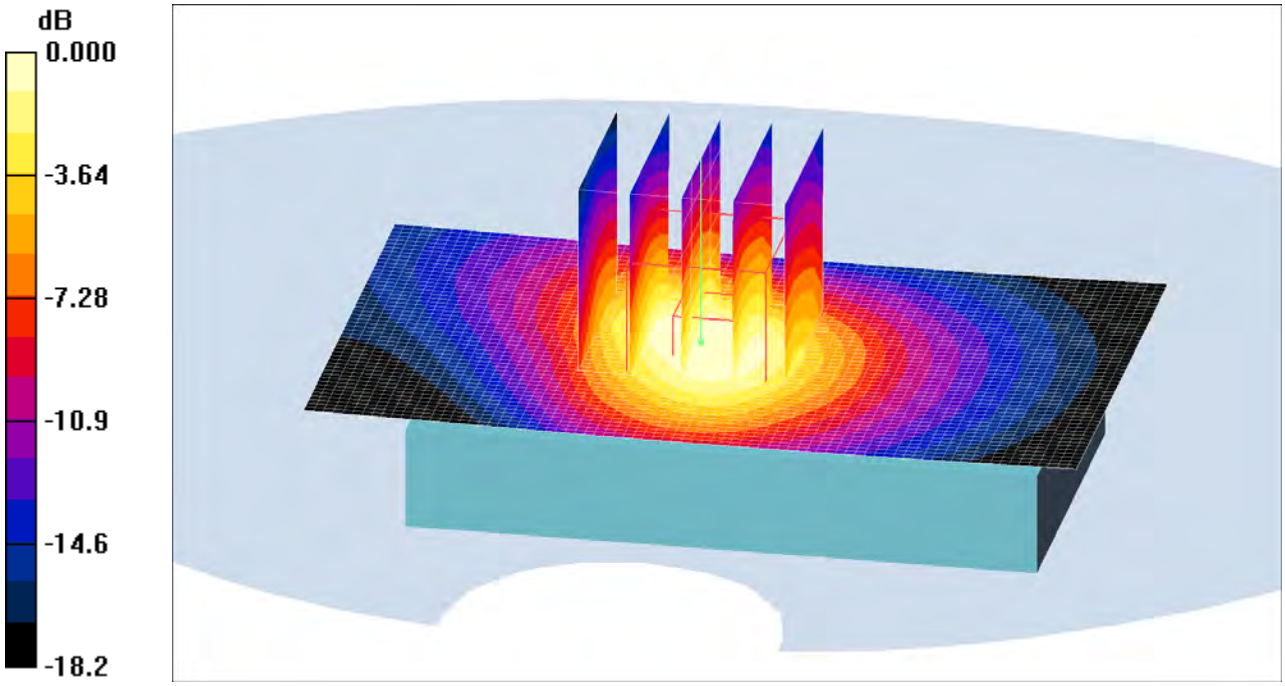
Satsuma125-Body-Flat10mm-GSM1900-Data-4Tx-Top edge-Mid

DUT: Satsuma; Type: DUT; Serial: #20658

Communication System: GPRS 1900; Frequency: 1880 MHz;Duty Cycle: 1:2.075
Medium parameters used: f = 1880 MHz; σ = 1.51 mho/m; ε_r = 51; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1539; ConvF(4.23, 4.23, 4.23); Calibrated: 11/16/2010
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn415; Calibrated: 11/16/2010
- Phantom: SAM with CRP (High Band Body); Type: SAM; Serial: TP: 1020
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 172
  Body Top/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm
  Maximum value of SAR (interpolated) = 1.24 mW/g
  Body Top/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
  Reference Value = 28.3 V/m; Power Drift = -0.009 dB
  Peak SAR (extrapolated) = 1.58 W/kg
  SAR(1 g) = 1 mW/g; SAR(10 g) = 0.580 mW/g
  Maximum value of SAR (measured) = 1.11 mW/g



0 dB = 1.11mW/g

Date/Time: 7/22/2011 9:50:18 AM

Test Laboratory: Sony Ericsson Mobile Communications

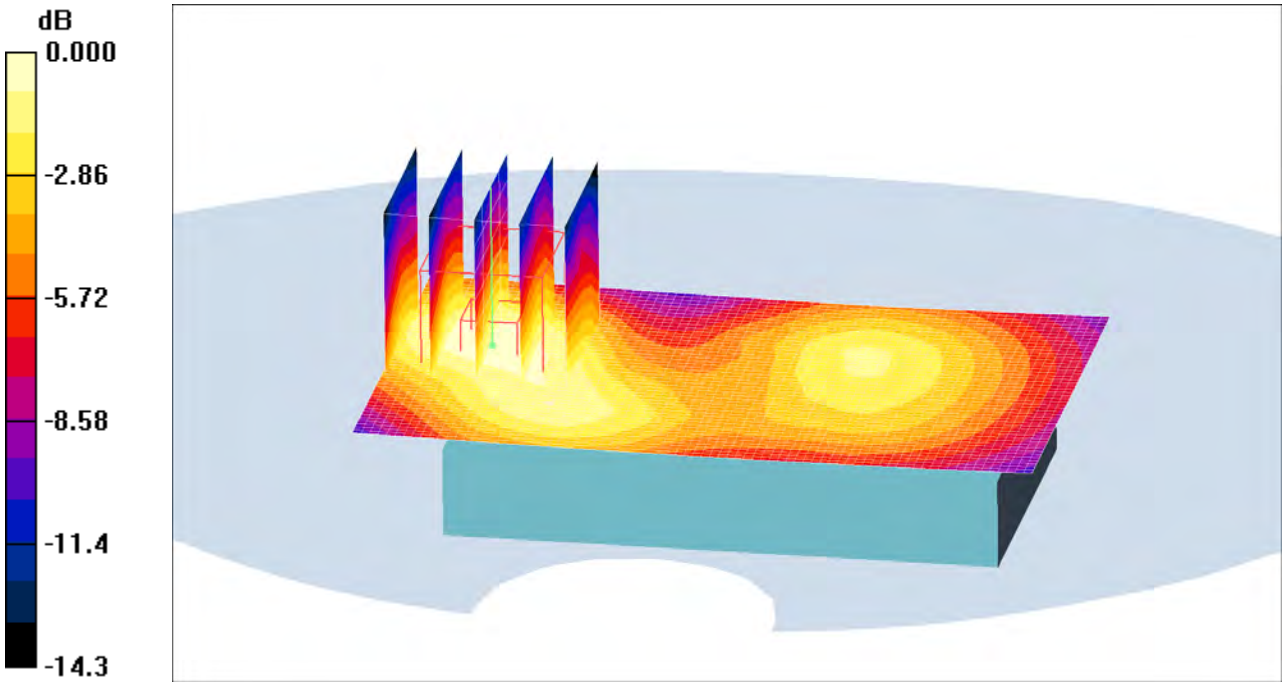
Satsuma125-Body-Flat15mm-GSM1900-Speech-Mid

DUT: Satsuma; Type: DUT; Serial: #20658

Communication System: GSM 1900; Frequency: 1880 MHz;Duty Cycle: 1:8.3
Medium parameters used (interpolated): f = 1880 MHz; σ = 1.5 mho/m; ε_r = 51.5; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1539; ConvF(4.23, 4.23, 4.23); Calibrated: 11/16/2010
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn415; Calibrated: 11/16/2010
- Phantom: SAM with CRP (High Band Body); Type: SAM; Serial: TP: 1020
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 172
  Body 2/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm
  Maximum value of SAR (interpolated) = 0.346 mW/g
  Body 2/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
  Reference Value = 10.1 V/m; Power Drift = -0.044 dB
  Peak SAR (extrapolated) = 0.480 W/kg
  SAR(1 g) = 0.339 mW/g; SAR(10 g) = 0.211 mW/g
  Maximum value of SAR (measured) = 0.369 mW/g



0 dB = 0.369mW/g

Date/Time: 7/26/2011 12:46:28 PM

Test Laboratory: Sony Ericsson Mobile Communications

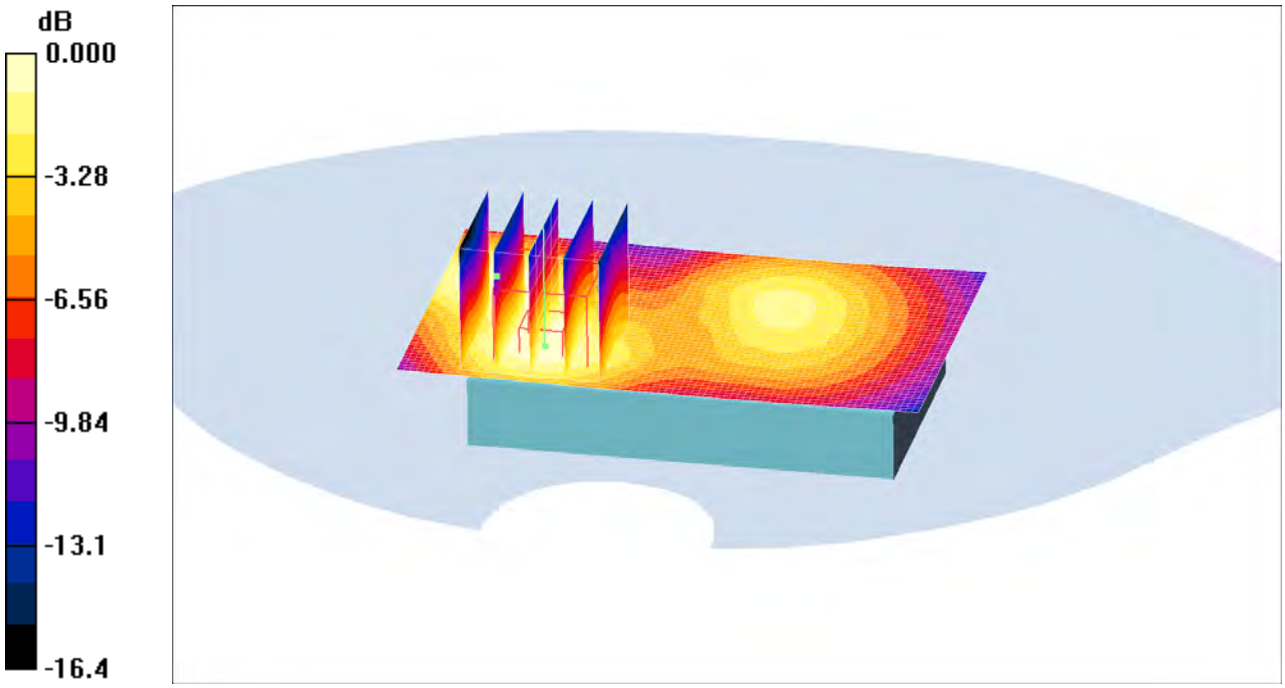
Satsuma125-Body-Flat10mm-UMTS2-HSPA-High

DUT: Satsuma; Type: DUT; Serial: #20658

Communication System: WCDMA Band II; Frequency: 1907.6 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1907.6 MHz; σ = 1.54 mho/m; ε_r = 51.1; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1539; ConvF(4.23, 4.23, 4.23); Calibrated: 11/16/2010
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn415; Calibrated: 11/16/2010
- Phantom: SAM with CRP (High Band Body); Type: SAM; Serial: TP: 1020
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 172
  Body 3 HSDPA/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm
  Maximum value of SAR (interpolated) = 0.548 mW/g
  Body 3 HSDPA/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
  Reference Value = 12.1 V/m; Power Drift = 0.057 dB
  Peak SAR (extrapolated) = 0.780 W/kg
  SAR(1 g) = 0.504 mW/g; SAR(10 g) = 0.300 mW/g
  Maximum value of SAR (measured) = 0.558 mW/g



0 dB = 0.558mW/g

Date/Time: 7/26/2011 12:33:39 PM

Test Laboratory: Sony Ericsson Mobile Communications

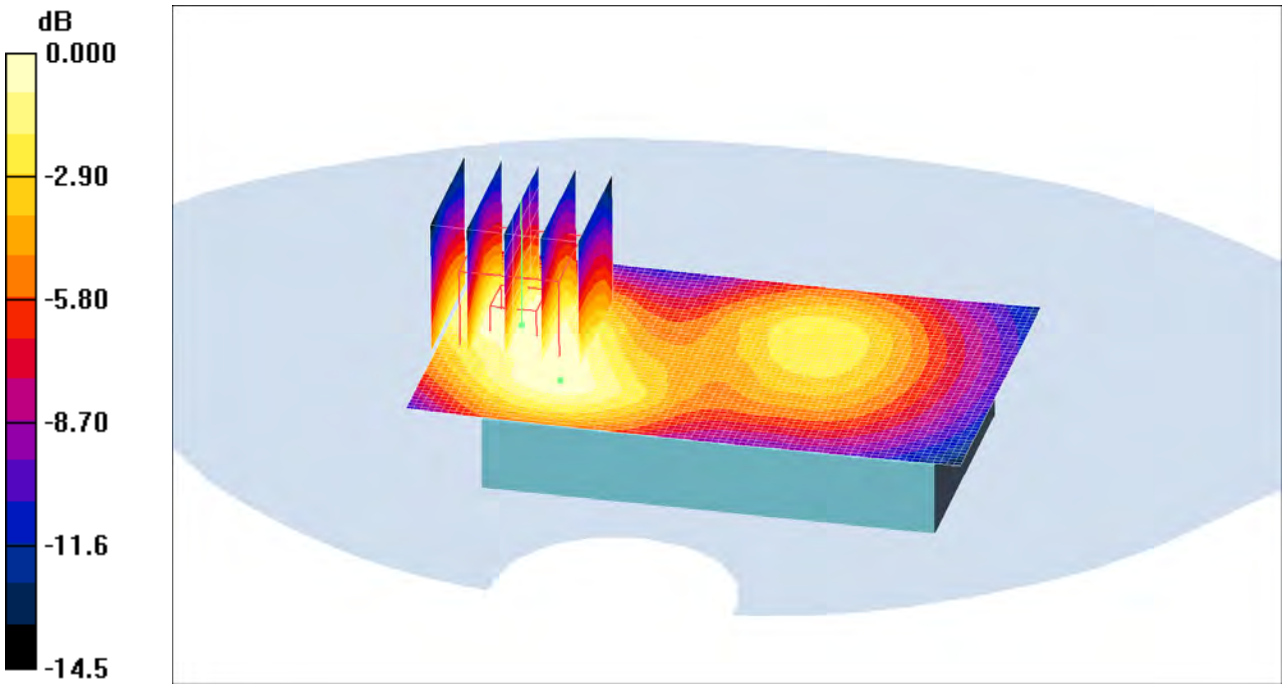
Satsuma125-Body-Flat10mm-UMTS2-HSPA-Low

DUT: Satsuma; Type: DUT; Serial: #20658

Communication System: WCDMA Band II; Frequency: 1852.4 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1852.4 MHz; σ = 1.48 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 - SN1539; ConvF(4.23, 4.23, 4.23); Calibrated: 11/16/2010
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn415; Calibrated: 11/16/2010
- Phantom: SAM with CRP (High Band Body); Type: SAM; Serial: TP: 1020
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 172
  Body HSDPA/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm
  Maximum value of SAR (interpolated) = 0.685 mW/g
  Body HSDPA/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
  Reference Value = 13.7 V/m; Power Drift = 0.000 dB
  Peak SAR (extrapolated) = 0.819 W/kg
  SAR(1 g) = 0.590 mW/g; SAR(10 g) = 0.373 mW/g
  Maximum value of SAR (measured) = 0.640 mW/g



0 dB = 0.640mW/g

Date/Time: 7/26/2011 12:17:26 PM

Test Laboratory: Sony Ericsson Mobile Communications

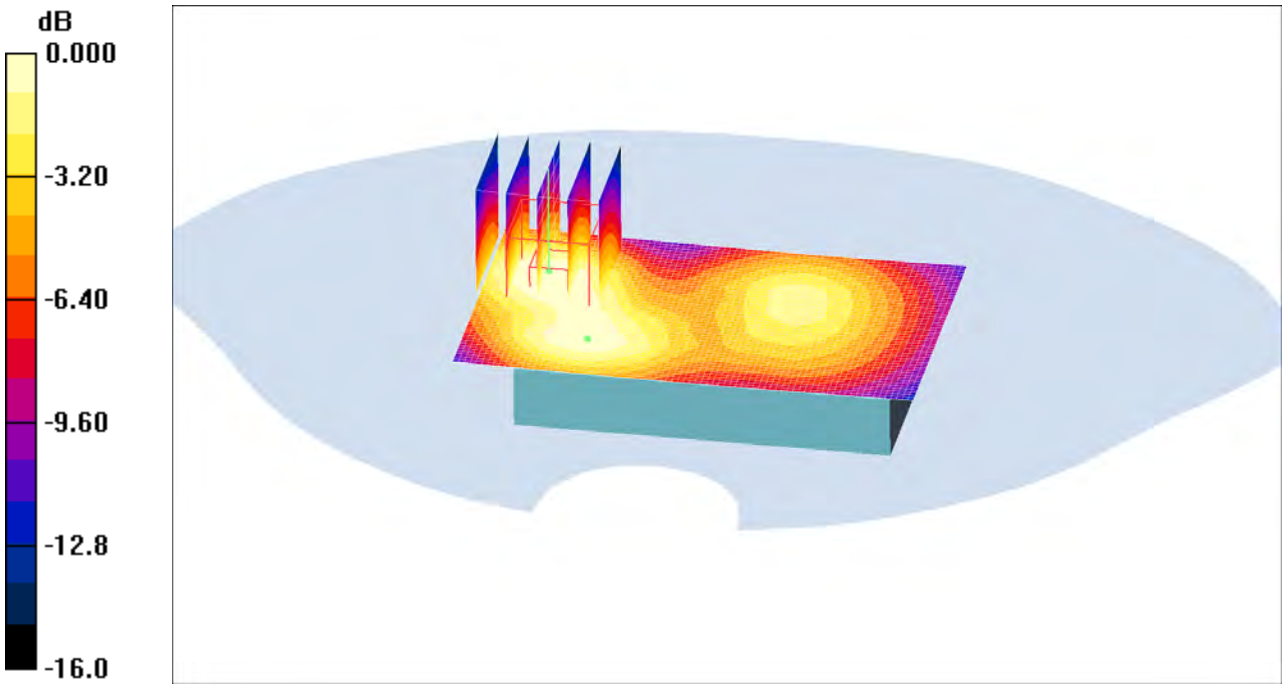
Satsuma125-Body-Flat10mm-UMTS2-HSPA-Mid

DUT: Satsuma; Type: DUT; Serial: #20658

Communication System: WCDMA Band II; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1880 MHz; σ = 1.51 mho/m; ε_r = 51.1; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1539; ConvF(4.23, 4.23, 4.23); Calibrated: 11/16/2010
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn415; Calibrated: 11/16/2010
- Phantom: SAM with CRP (High Band Body); Type: SAM; Serial: TP: 1020
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 172
  Body 2 HSDPA/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm
  Maximum value of SAR (interpolated) = 0.646 mW/g
  Body 2 HSDPA/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
  Reference Value = 13.1 V/m; Power Drift = 0.008 dB
  Peak SAR (extrapolated) = 0.819 W/kg
  SAR(1 g) = 0.571 mW/g; SAR(10 g) = 0.352 mW/g
  Maximum value of SAR (measured) = 0.605 mW/g



0 dB = 0.605mW/g

Date/Time: 7/26/2011 10:04:18 AM

Test Laboratory: Sony Ericsson Mobile Communications

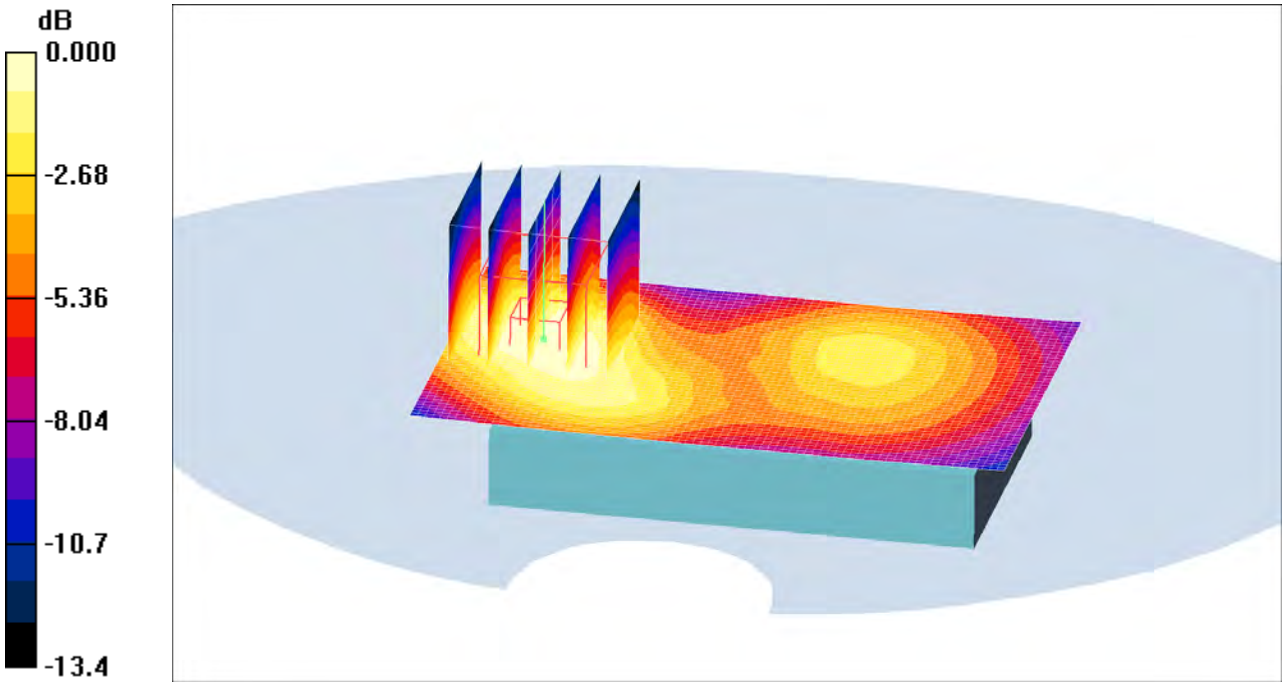
Satsuma125-Body-Flat15mm-UMTS2-Speech-Low

DUT: Satsuma; Type: DUT; Serial: #20658

Communication System: WCDMA Band II; Frequency: 1852.4 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1852.4 MHz; σ = 1.48 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 - SN1539; ConvF(4.23, 4.23, 4.23); Calibrated: 11/16/2010
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn415; Calibrated: 11/16/2010
- Phantom: SAM with CRP (High Band Body); Type: SAM; Serial: TP: 1020
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 172
  Body/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm
  Maximum value of SAR (interpolated) = 0.470 mW/g
  Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
  Reference Value = 11.3 V/m; Power Drift = -0.155 dB
  Peak SAR (extrapolated) = 0.563 W/kg
  SAR(1 g) = 0.408 mW/g; SAR(10 g) = 0.263 mW/g
  Maximum value of SAR (measured) = 0.442 mW/g



0 dB = 0.442mW/g

Date/Time: 7/21/2011 1:53:43 PM

Test Laboratory: Sony Ericsson Mobile Communications

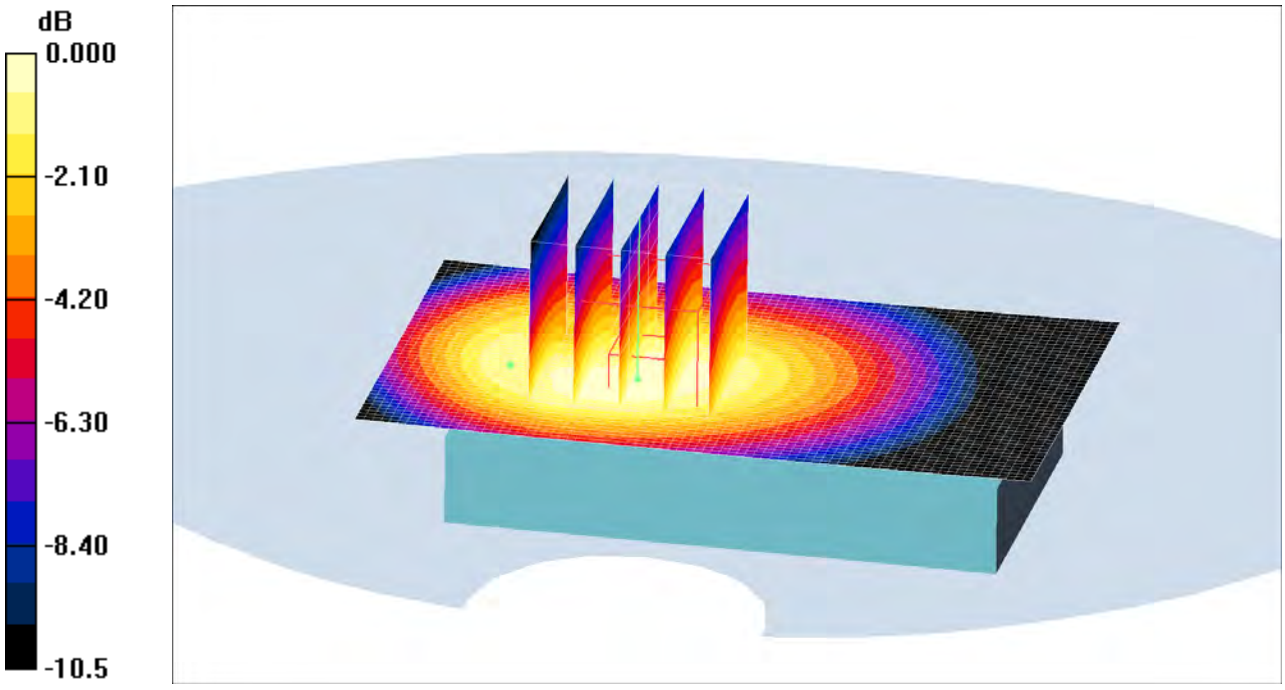
Satsuma125-Body-Flat10mm-UMTS5-HSPA-High

DUT: Satsuma; Type: DUT; Serial: #20658

Communication System: WCDMA Band V; Frequency: 846.6 MHz;Duty Cycle: 1:1
Medium parameters used: f = 846.6 MHz; σ = 0.986 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 - SN1539; ConvF(5.66, 5.66, 5.66); Calibrated: 11/16/2010
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn415; Calibrated: 11/16/2010
- Phantom: SAM with CRP (Low Band Body); Type: SAM; Serial: TP: 1031
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 172
  Body 4 HSDPA/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm
  Maximum value of SAR (interpolated) = 0.837 mW/g
  Body 4 HSDPA/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
  Reference Value = 27.1 V/m; Power Drift = 0.106 dB
  Peak SAR (extrapolated) = 1.05 W/kg
  SAR(1 g) = 0.794 mW/g; SAR(10 g) = 0.556 mW/g
  Maximum value of SAR (measured) = 0.852 mW/g



0 dB = 0.852mW/g

Date/Time: 7/21/2011 1:41:20 PM

Test Laboratory: Sony Ericsson Mobile Communications

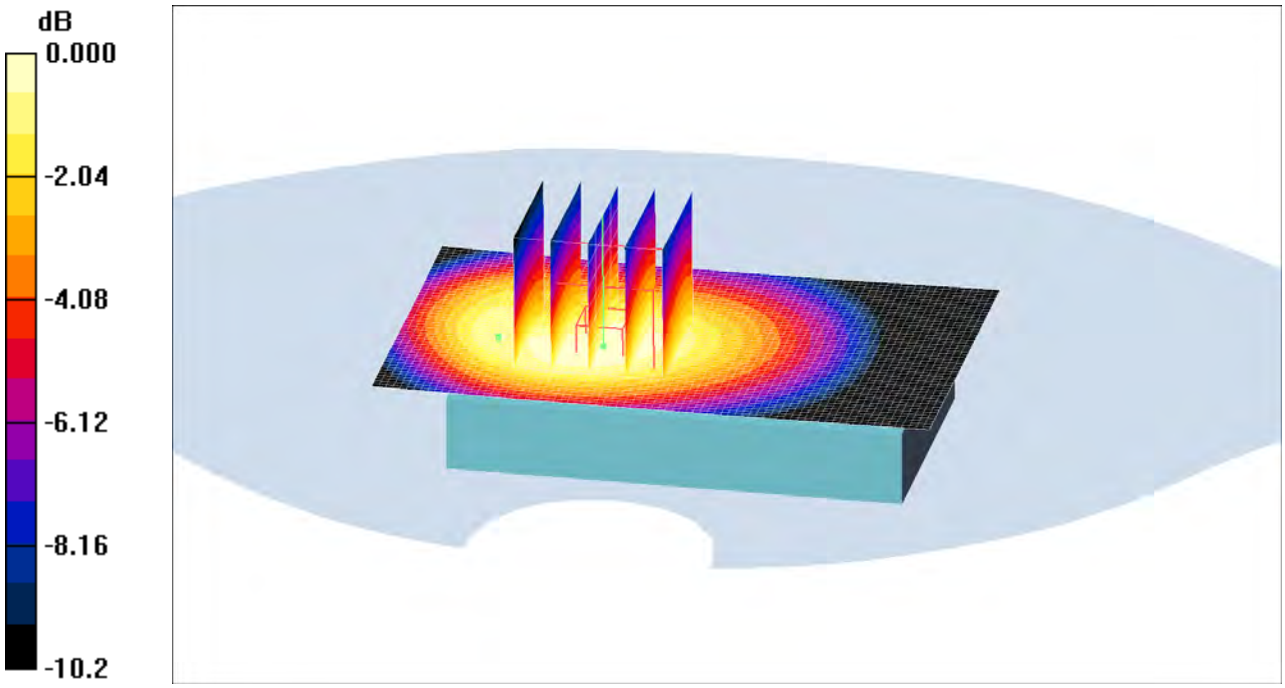
Satsuma125-Body-Flat10mm-UMTS5-HSPA-Low

DUT: Satsuma; Type: DUT; Serial: #20658

Communication System: WCDMA Band V; Frequency: 826.4 MHz;Duty Cycle: 1:1
Medium parameters used: f = 826.4 MHz; σ = 0.967 mho/m; ε_r = 52.6; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1539; ConvF(5.66, 5.66, 5.66); Calibrated: 11/16/2010
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn415; Calibrated: 11/16/2010
- Phantom: SAM with CRP (Low Band Body); Type: SAM; Serial: TP: 1031
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 172
  Body 3 HSDPA/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm
  Maximum value of SAR (interpolated) = 1.06 mW/g
  Body 3 HSDPA/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
  Reference Value = 30.7 V/m; Power Drift = -0.024 dB
  Peak SAR (extrapolated) = 1.34 W/kg
  SAR(1 g) = 0.994 mW/g; SAR(10 g) = 0.699 mW/g
  Maximum value of SAR (measured) = 1.07 mW/g



0 dB = 1.07mW/g

Date/Time: 7/21/2011 12:58:15 PM

Test Laboratory: Sony Ericsson Mobile Communications

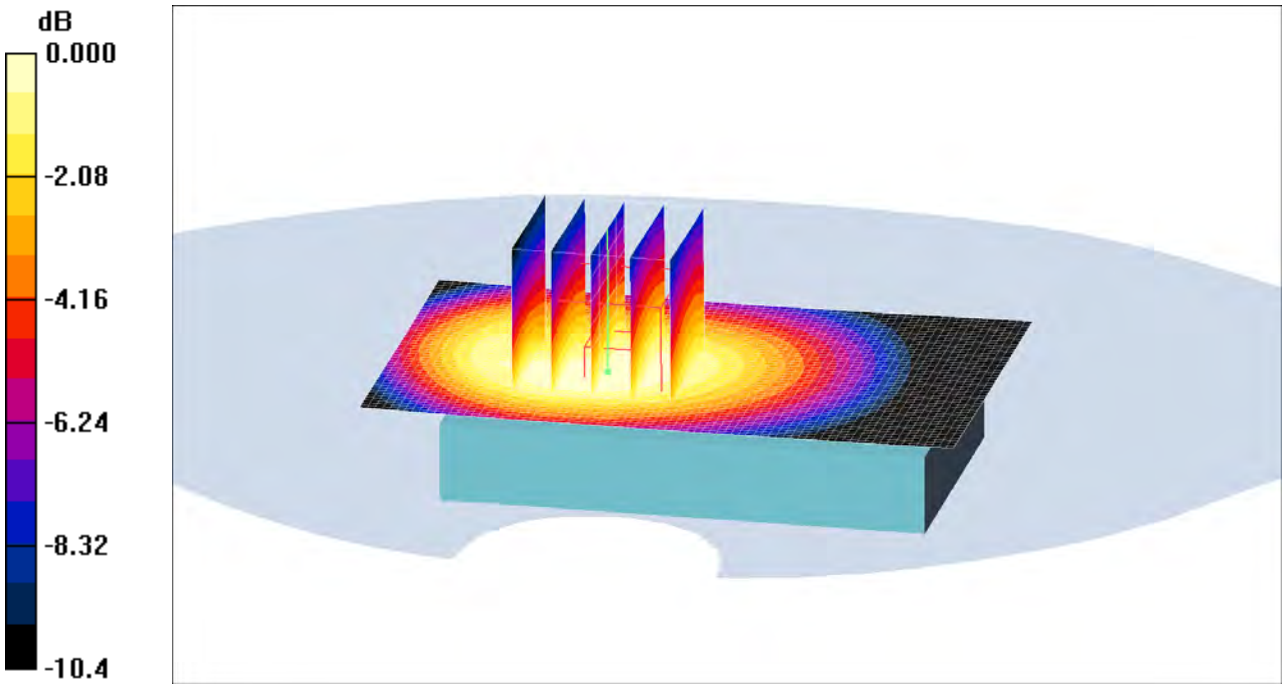
Satsuma125-Body-Flat10mm-UMTS5-HSPA-Mid

DUT: Satsuma; Type: DUT; Serial: #20658

Communication System: WCDMA Band V; Frequency: 836.6 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 836.6 MHz; σ = 0.977 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 - SN1539; ConvF(5.66, 5.66, 5.66); Calibrated: 11/16/2010
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn415; Calibrated: 11/16/2010
- Phantom: SAM with CRP (Low Band Body); Type: SAM; Serial: TP: 1031
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 172
  Body HSDPA/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm
  Maximum value of SAR (interpolated) = 0.957 mW/g
  Body HSDPA/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
  Reference Value = 29.3 V/m; Power Drift = -0.075 dB
  Peak SAR (extrapolated) = 1.15 W/kg
  SAR(1 g) = 0.872 mW/g; SAR(10 g) = 0.618 mW/g
  Maximum value of SAR (measured) = 0.931 mW/g



0 dB = 0.931mW/g

Date/Time: 7/21/2011 9:19:19 AM

Test Laboratory: Sony Ericsson Mobile Communications

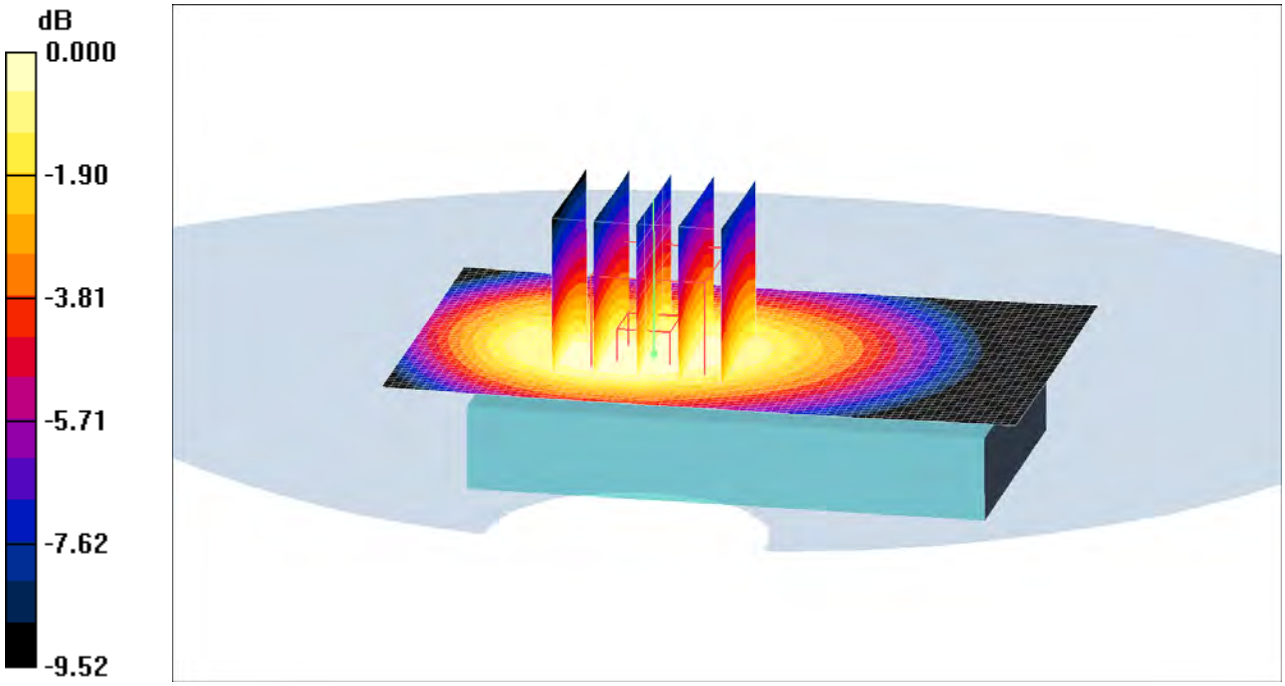
Satsuma125-Body-Flat15mm-UMTS5-Speech-Low

DUT: Satsuma; Type: DUT; Serial: #20658

Communication System: WCDMA Band V; Frequency: 826.4 MHz;Duty Cycle: 1:1
Medium parameters used: f = 826.4 MHz; σ = 0.967 mho/m; ε_r = 52.6; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1539; ConvF(5.66, 5.66, 5.66); Calibrated: 11/16/2010
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn415; Calibrated: 11/16/2010
- Phantom: SAM with CRP (Low Band Body); Type: SAM; Serial: TP: 1031
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 172
  Body/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm
  Maximum value of SAR (interpolated) = 0.852 mW/g
  Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
  Reference Value = 28.9 V/m; Power Drift = -0.198 dB
  Peak SAR (extrapolated) = 1.03 W/kg
  SAR(1 g) = 0.790 mW/g; SAR(10 g) = 0.568 mW/g
  Maximum value of SAR (measured) = 0.836 mW/g



0 dB = 0.836mW/g

Date/Time: 7/28/2011 12:01:52 PM

Test Laboratory: Sony Ericsson Mobile Communications

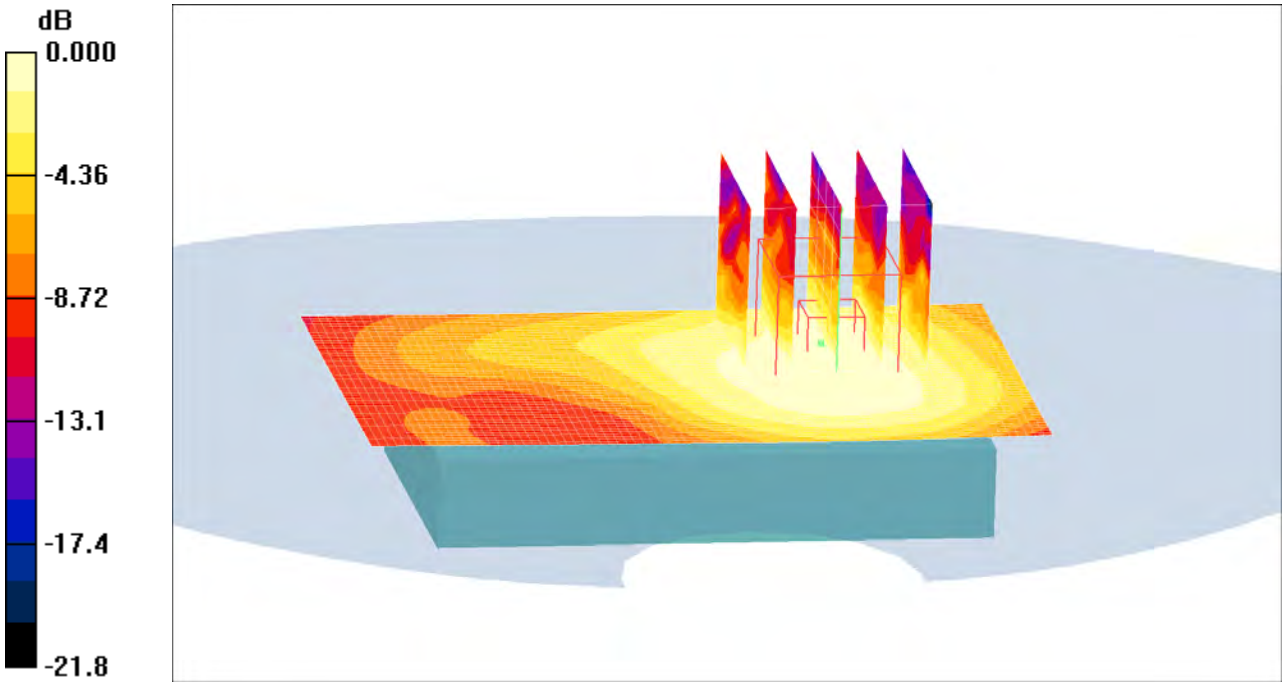
Satsuma125-Body-Flat10mm-WLAN-Ch1

DUT: Satsuma; Type: DUT; Serial: #20662

Communication System: WLAN; Frequency: 2412 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2412 MHz; σ = 1.9 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 - SN1539; ConvF(3.87, 3.87, 3.87); Calibrated: 11/16/2010
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn415; Calibrated: 11/16/2010
- Phantom: WLAN Body SAM; Type: SAM;
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 172
  Body/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm
  Maximum value of SAR (interpolated) = 0.070 mW/g
  Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
  Reference Value = 4.66 V/m; Power Drift = 0.097 dB
  Peak SAR (extrapolated) = 0.156 W/kg
  SAR(1 g) = 0.065 mW/g; SAR(10 g) = 0.036 mW/g
  Maximum value of SAR (measured) = 0.070 mW/g



0 dB = 0.070mW/g

Date/Time: 7/28/2011 12:55:01 PM

Test Laboratory: Sony Ericsson Mobile Communications

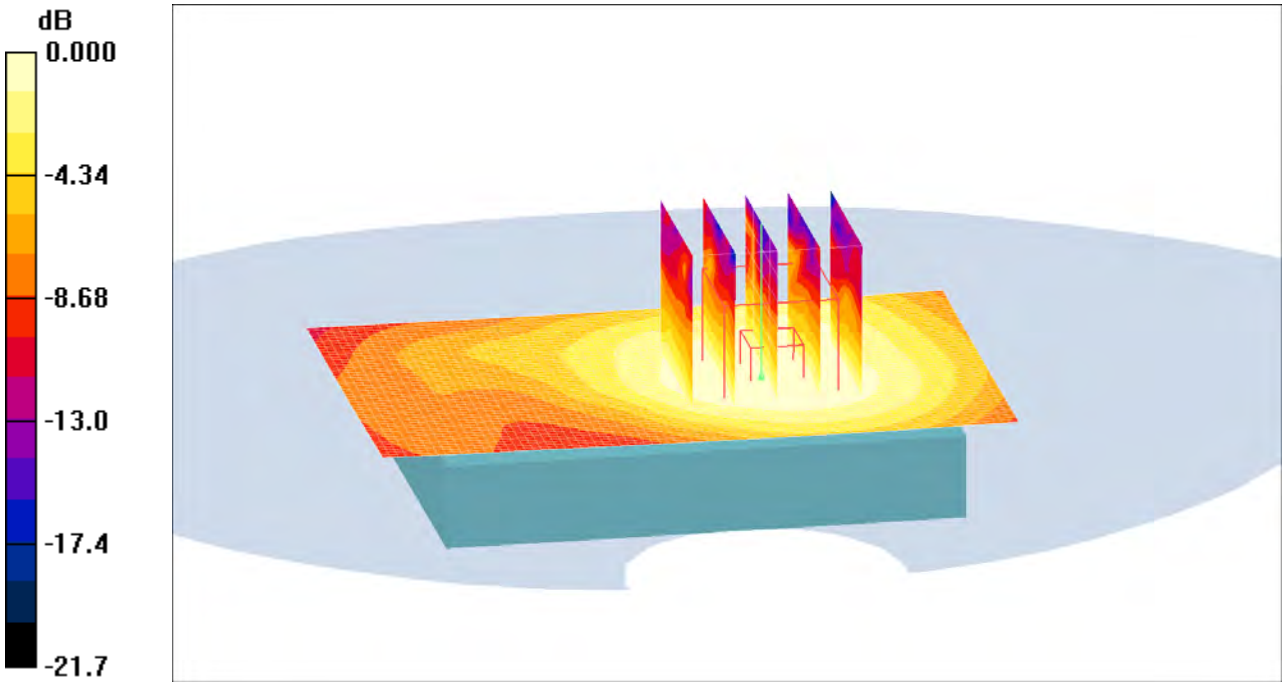
Satsuma125-Body-Flat10mm-WLAN-Ch6

DUT: Satsuma; Type: DUT; Serial: #20662

Communication System: WLAN; Frequency: 2437 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2437.71 MHz; σ = 1.94 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 - SN1539; ConvF(3.87, 3.87, 3.87); Calibrated: 11/16/2010
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn415; Calibrated: 11/16/2010
- Phantom: WLAN Body SAM; Type: SAM;
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 172
  Body 2/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm
  Maximum value of SAR (interpolated) = 0.082 mW/g
  Body 2/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
  Reference Value = 5.67 V/m; Power Drift = 0.037 dB
  Peak SAR (extrapolated) = 0.194 W/kg
  SAR(1 g) = 0.080 mW/g; SAR(10 g) = 0.047 mW/g
  Maximum value of SAR (measured) = 0.082 mW/g



0 dB = 0.082mW/g

Date/Time: 7/28/2011 1:10:06 PM

Test Laboratory: Sony Ericsson Mobile Communications

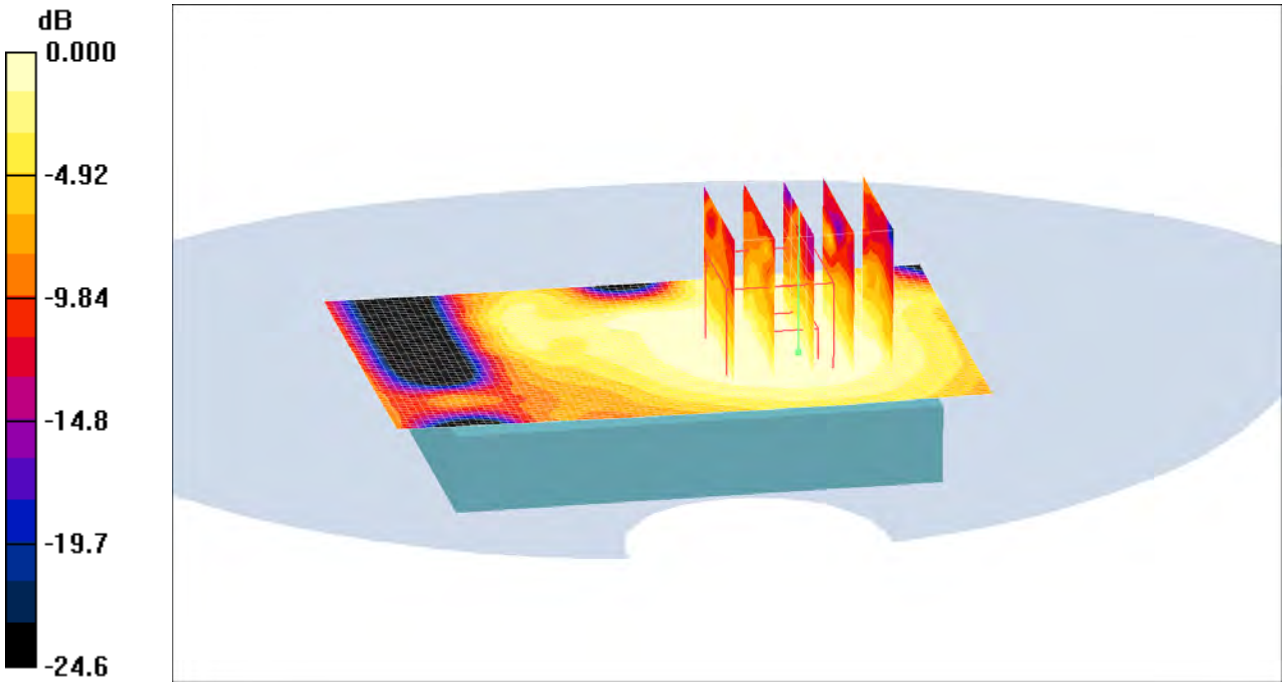
Satsuma125-Body-Flat10mm-WLAN-Ch11

DUT: Satsuma; Type: DUT; Serial: #20662

Communication System: WLAN; Frequency: 2462 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 2462 MHz; σ = 1.97 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 - SN1539; ConvF(3.87, 3.87, 3.87); Calibrated: 11/16/2010
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn415; Calibrated: 11/16/2010
- Phantom: WLAN Body SAM; Type: SAM;
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 172
  Body 3/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm
  Maximum value of SAR (interpolated) = 0.061 mW/g
  Body 3/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
  Reference Value = 4.78 V/m; Power Drift = -0.081 dB
  Peak SAR (extrapolated) = 0.143 W/kg
  SAR(1 g) = 0.056 mW/g; SAR(10 g) = 0.031 mW/g
  Maximum value of SAR (measured) = 0.060 mW/g



0 dB = 0.060mW/g