



Sony Ericsson

REPORT

1(102)

Prepared (also subject responsible if other) SEM/CV/PF/P Gerard Hayes and Rodney Dixon		No. REP 2008 003 W760a 02	
Approved SEM/CV/PF/P Gerard Hayes	Checked	11June2008	A

Exhibit 11: SAR Test Report of Portable Cellular Phone FCC ID: PY7A3252041 Model : W760a

Date of test: May 27 – June 5, 2008
Date of Report: June 11, 2008

Laboratory: SAR Testing Laboratory Sony Ericsson Mobile Communications, Inc. 7001
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 Technical Manager

Accreditation: This laboratory is accredited to ISO/IEC 17025-1999 to perform the following
 electromagnetic exposure tests:



A2LA Certificate
#1650-01

Specific Absorption Rate (SAR)
 Dielectric parameters
 RF power measurement

On the following types of products: Wireless communications devices.

Statement of Compliance: Sony Ericsson Mobile Communications, Inc declares under its sole responsibility that portable cellular telephone FCC ID PY7A3252041 model W760a to which this declaration relates, is in conformity with the appropriate General Population/Uncontrolled RF exposure standards, recommendations and guidelines (FCC 47 CFR §2.1093). It also declares that the product was tested in accordance with the appropriate measurement standards, guidelines and recommended practices. Any deviations from these standards, guidelines and recommended practices are noted below:

(none)

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This test report shall not be reproduced except in full, without written approval of the laboratory.

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

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

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REPORT

2(102)

Prepared (also subject responsible if other) SEM/CV/PF/P Gerard Hayes and Rodney Dixon		No. REP 2008 003 W760a 02	
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Table of Contents

1. Introduction	3
2. Description of the Device Under Test	3
2.1 Antenna description	3
2.2 Device description	3
3. Test Equipment Used	5
3.1 Dosimetric System	5
3.2 Additional Equipment	5
4. Electrical parameters of the tissue simulating liquid	6
5. System Accuracy Verification	7
6. Test Results	8
6.1 Head Adjacent Test Results	10
6.2 Body-Worn Test Results	19
References	24
Appendix 1: SAR distribution comparison for system accuracy verification	25
Appendix 2: SAR distribution plots for Phantom Head Adjacent Use	38
Appendix 3: SAR distribution plots for Body Worn Configuration	71
Appendix 4: Probe Calibration Certificate	86
Appendix 5: Measurement Uncertainty Budget	93
Appendix 6: Photographs of the device under test	99



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Approved SEM/CV/PF/P Gerard Hayes	Checked	11June2008	A

1. Introduction

The Sony Ericsson SAR Laboratory has performed measurements of the maximum potential exposure to the user of portable cellular phone FCC ID PY7A3252041 model W760a. The Specific Absorption Rate (SAR) of this product was measured. The applicable RF safety guidelines and the SAR measurement specifications used for the test are described in [1].

2. Description of the Device Under Test

2.1 Antenna description

Type	Monopole	
Location	Chin Cover	
Dimensions	Width	40.0 mm
	Length	10.0 mm
	Height	8 mm

2.2 Device description

FCC ID Number / Device Model	PY7A3252041 / W760a	
Hardware Revision #	CL3	
Software Revision #	R3BA031	
Mode(s) of Operation Transmitting Frequency Range	Serial number of Device Tested	
	GSM/GPRS/EDGE 824-849 MHz	BD33000PUQ
	GSM/GPRS/EDGE 1850-1910 MHz	BD33000QKX
	UMTS/HSDPA Band V (824-849 MHz)	BD33000QKF
	UMTS/HSDPA Band II (1850-1910 MHz)	BD33000QLM
Production Unit or Identical Prototype (47 CFR §2..908)	Identical Prototype	
Device Category	Portable	
RF Exposure Limits	General Population / Uncontrolled	

GSM		850 MHz	1900 MHz
Target Value and Factory Tolerance Window for Maximum Output Power Setting Calibration Frequency (f_{low}, f_{mid}, f_{high}) Duty Cycle	f_{low}	31.77 dBm +0.53/-0.53 dB	29.25 dBm +0.75/-0.75 dB
	f_{mid}	31.77 dBm +0.53/-0.53 dB	29.25 dBm +0.75/-0.75 dB
	f_{high}	31.77 dBm +0.53/-0.53 dB	29.25 dBm +0.75/-0.75 dB
	f_{low} , f_{mid} , f_{high}	f_{low} , f_{mid} , f_{high}	f_{low} , f_{mid} , f_{high}
		1/8	1/8



Prepared (also subject responsible if other) SEM/CV/PF/P Gerard Hayes and Rodney Dixon		No. REP 2008 003 W760a 02	
Approved SEM/CV/PF/P Gerard Hayes	Checked	11June2008	A

Device description (continued)

GPRS		850 MHz	1900 MHz
Target Value and Factory Tolerance Window for Maximum Output Power Setting Calibration Frequency (f_{low}, f_{mid}, f_{high}) Duty Cycle	f_{low}	Same as GSM 1:8	Same as GSM 1:8
	f_{mid}	Same as GSM 1:8	Same as GSM 1:8
	f_{high}	Same as GSM 1:8	Same as GSM 1:8
	f_{low} , f_{mid} , f_{high}		f_{low} , f_{mid} , f_{high}
	1/4		1/4
EGPRS		850 MHz	1900 MHz
Target Value and Factory Tolerance Window for Maximum Output Power Setting Calibration Frequency (f_{low}, f_{mid}, f_{high}) Duty Cycle	f_{low}	27.0 dBm + 1.0/- 2.0 dB	26.0 dBm + 1.0/- 2.0 dB
	f_{mid}	27.0 dBm + 1.0/- 2.0 dB	26.0 dBm + 1.0/- 2.0 dB
	f_{high}	27.0 dBm + 1.0/- 2.0 dB	26.0 dBm + 1.0/- 2.0 dB
	f_{low} , f_{mid} , f_{high}		f_{low} , f_{mid} , f_{high}
	1/4		1/4
W-CDMA (Circuit Switched, UMTS Mode)		850 MHz Band V	1900 MHz Band II
Target Value and Factory Tolerance Window for Maximum Output Power Setting RMC 12.2, $\beta_c=8$, $\beta_d=15$ Calibration Frequency (f_{low}, f_{mid}, f_{high}) Duty Cycle	f_{low}	22.8 dBm + 0.5/- 0.5 dB	22.5 dBm + 0.5 - 0.5
	f_{mid}	22.8 dBm + 0.5 - 0.5	22.5 dBm + 0.5 - 0.5
	f_{high}	22.8 dBm + 0.5 - 0.5	22.5 dBm + 0.5 - 0.5
	f_{low} , f_{mid} , f_{high}		f_{low} , f_{mid} , f_{high}
	1/1		1/1



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3. Test Equipment Used

3.1 Dosimetric System

The Sony Ericsson SAR Laboratory utilizes Dosimetric Assessment Systems (Dasy4™) for adjacent to head and body-worn measurements manufactured by Schmid & Partner Engineering AG (SPEAG™), of Zurich Switzerland. The overall RSS uncertainty of the measurement system is $\pm 11.0\%$ (K=1) with an expanded uncertainty of $\pm 22.0\%$ (K=2) for Dasy4™. The measurement uncertainty budget is given in Appendix 5 for the system. The list of calibrated equipment used for the measurements is shown in the following table.

Description	Serial Number	Cal Due Date
DASY3 DAE V1	345	Nov-09-2008
DASY3 DAE V1	415	Nov-12-2008
DASY3 DAE V1	432	May-13-2008
E-Field Probe ETDV6	1539	Nov-19-2008
E-Field Probe ETDV6	1586	May-19-2009
E-Field Probe ETDV6	1587	May-19-2009
Dipole Validation Kit, DV835V2	429	Nov-19-2008
Dipole Validation Kit, DV1900V2	537	Nov-20-2008
S.A.M. Phantom used for 835MHz (Head)	1023/1251	
S.A.M. Phantom used for 835MHz (Body)	1031	
S.A.M. Phantom used for 1900MHz (Head)	1054/1335	
S.A.M. Phantom used for 1900MHz (Body)	1020	

3.2 Additional Equipment

Description	Serial Number	Cal Due Date
Signal Generator HP8648C	3443U00433	February 01, 2009
Power Meter 437B	3125U16382	December 06, 2008
Power Meter 437B	3125U16190	May 05, 2009
Power Sensor - 8482H	MY41090241	June 06, 2008
Power Sensor - 8482H	3318A09268	July 11, 2008
Dielectric Probe Kit HP85070B	US33020256	Sept. 12, 2008
Digital Thermometer 61220-601 And Probe (61220-604)	350078	November 19, 2008
Digital Hygrometer/ Thermometer	230355187	March 03, 2009
HP RF Amplifier 8347A	3307A1069	May 07, 2009



Prepared (also subject responsible if other) SEM/CV/PF/P Gerard Hayes and Rodney Dixon		No. REP 2008 003 W760a 02	
Approved SEM/CV/PF/P Gerard Hayes	Checked	11June2008	A

4. Electrical parameters of 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, along with the temperature of the simulated tissue are shown in the table below. A mass density of $\rho=1\text{g/cm}^3$ was entered into the system in all the cases. It can be seen that the measured parameters are within tolerance of the recommended limits [1]. The ambient temperature of the laboratory was maintained within the desired range and the liquid depth above the ear reference points was above 15.0 cm in all the cases. It is seen that the measured parameters are satisfactory for compliance testing.

f (MHz)	Tissue type	Limits / Measured	Dielectric Parameters		
			ϵ_r	σ (S/m)	Simulated Tissue Temp (°C)
835	Head	May 28, 2008	41.46	0.9096	22.4
		June 4, 2008	40.78	0.9075	21.6
		Recommended Limits	41.5	0.9	20-25
	Body	June 2, 2008	53.04	0.9484	21.4
		June 3, 2008	52.84	0.9417	21.2
		Recommended Limits	55.2	0.97	20-25
1900	Head	May 27, 2008	38.63	1.466	22.4
		May 28, 2008	38.03	1.435	22.5
		May 29, 2008	38.14	1.444	22.1
		Recommended Limits	40	1.4	20-25
	Body	May 28, 2008	50.95	1.532	22.5
		May 29, 2008	50.84	1.546	22.1
		Recommended Limits	53.3	1.52	20-25

The list of ingredients and the percent composition used for the simulated tissue are indicated in the table below.

Ingredient	800/900 MHz Head 900MHz Body	800MHz Body	1800/1900 MHz Head 1800MHz Body	1900MHz Body
Sugar	57.99%	56.00%	--	--
DGBE	--	--	44.92%	30.82%
Water	39.72%	41.76%	54.90%	68.89%
Salt	1.18%	0.76%	0.18%	0.29%
HEC	0.92%	1.21%	--	--
Bact.	0.19%	0.27%	--	--



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Approved SEM/CV/PF/P Gerard Hayes	Checked	11June2008	A

5. System Accuracy Verification

A system accuracy verification of the DASY4 was performed using the measurement equipment listed in Section 3.1. The daily system accuracy verification occurs within the flat section of the SAM phantom.

A SAR measurement was performed to see if the measured SAR was within +/- 10% from the target SAR indicated on the dipole certification sheet. These tests were done at 835MHz/900MHz and/or 1800MHz/1900MHz. These frequencies are within 100MHz of the mid-band frequency of the test device, according to [1].

The test was conducted on the same days as the measurement of the DUT. The results from the system accuracy verification are displayed in the table below (SAR values are normalized to 1W forward power delivered to the dipole). The ambient temperature of the laboratory was maintained within the desired the range and the liquid depth above the ear reference points was above 15.0 cm in all the cases.

It is seen in the following table that the system is operating within its specification, as the results are within acceptable tolerance of the reference values. The SAR distributions for each dipole measurement are shown in Appendix 1.

<i>f</i> (MHz)	Tissue Type	Date Measured	SAR (W/kg)		Dielectric Parameters		Tissue
			1g	10g	ϵ_r	σ (S/m)	Temp (°C)
835	Head	May-28-08	9.16	6.08	41.46	0.91	22.4
		Jun-04-08	8.84	5.85	40.78	0.91	21.6
		Jun-05-08	8.96	5.93	41.5	0.91	21.4
		Recommended Limits	9.50	6.20	41.50	0.90	20-25
	Body	Jun-02-08	9.90	6.53	53.04	0.95	21.4
		Jun-03-08	9.67	6.40	52.84	0.94	21.2
		Recommended Limits	9.90	6.46	55.20	0.97	20-25
1900	Head	May-27-08	39.11	20.35	38.63	1.47	22.4
		May-28-08	40.30	21.19	38.03	1.44	22.5
		May-29-08	40.28	21.27	38.14	1.44	22.1
		Jun-02-08	40.50	21.29	38.35	1.44	21.4
		Recommended Limits	39.7	20.5	40	1.4	20-25
	Body	May-28-08	43.48	22.56	50.95	1.53	22.5
		May-29-08	43.82	22.75	50.84	1.55	22.1
		Recommended Limits	40.5	20.89	53.3	1.52	20-25

Daily, prior to conducting tests, measurements were made with the RF sources powered off to determine the system noise level. The highest system noise was 0.0015 W/kg, which is below the recommended limit in [1].



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Approved SEM/CV/PF/P Gerard Hayes	Checked	11June2008	A

6.0 Test Results

For all measurements, the test sample was operated using a base station simulator (CMU-200) that allows control of the transmitter using the signally software that is installed on the phone. For the purposes of these tests, the unit is commanded to set to the proper channel, transmitter power level and transmit mode of operation. The phone was tested in the configurations stipulated in [1,2]. The phone was positioned into these configurations using the positioner supplied with the DASY4 SAR measurement system.

HSDPA Considerations

As per TCB/FCC guidance, 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 the measurements. For all HSDPA measurements, the following settings were applied:

$$H\text{-SET3 QPSK, CQI feedback} = 2\text{msec, } \Delta\text{ACK} = \Delta\text{NACK} = \Delta\text{CQI} = 8$$

The results (including relevant CMU modulation settings) are presented in the Table 6.0. As seen in the table, the conducted power measurements for the HSDPA modes were equal or below the circuit switched modes for each frequency/channel.

Table 6.0: Conducted Power Summary for UMTS - HSDPA Modes

Band II					1852.4	1880	1907.6
	Settings			Frequency (MHz):			
	β_c	β_d	ΔHS	max (dBm)			
CS-RMC	8	15	-	measured (dBm)	22.8	22.8	22.9
CS-Voice	8	15	-	measured (dBm)	22.8	22.8	22.9
HSDPA - 1	2	15	8	measured (dBm)	22.6	22.6	22.6
HSDPA - 2	12	15	8	measured (dBm)	22.0	22.0	22.0
HSDPA - 3	15	8	8	measured (dBm)	21.1	21.2	21.2
HSDPA - 4	15	4	8	measured (dBm)	20.1	20.1	20.1

Band V					826.4	835	846.6
	Settings			Frequency (MHz):			
	β_c	β_d	ΔHS	max (dBm)			
CS-RMC	8	15	-	measured (dBm)	23.1	23.2	23.2
CS-Voice	8	15	-	measured (dBm)	23.1	23.2	23.2
HSDPA - 1	2	15	8	measured (dBm)	22.9	22.9	22.9
HSDPA - 2	12	15	8	measured (dBm)	22.2	22.2	22.2
HSDPA - 3	15	8	8	measured (dBm)	21.4	21.4	21.4
HSDPA - 4	15	4	8	measured (dBm)	20.3	20.3	20.3

For head measurements, the units were measured in the following voice modes which correspond to the operating conditions with the highest conducted power:

GSM with a 1/8 duty cycle

UMTS (circuit switched) with RMC=12.2, $\beta_c=8$, and $\beta_d=15$

In all configurations, tests were conducted with Bluetooth functionality turned off. Then for each band and mode, using the test configuration/position that yielded the highest SAR value, the measurements were repeated with Bluetooth enabled.



Prepared (also subject responsible if other) SEM/CV/PF/P Gerard Hayes and Rodney Dixon		No. REP 2008 003 W760a 02	
Approved SEM/CV/PF/P Gerard Hayes	Checked	11June2008	A

For body measurements, the units were measured in the following data modes which correspond to the operating conditions with the highest conducted power:

E/GPRS (Multislot, Class 10) with a 1/4 duty cycle

UMTS (circuit switched) with RMC=12.2, $\beta_c=8$, and $\beta_d=15$

Simultaneous Transmitter (i.e. Bluetooth) Considerations

FCC Guidelines were derived from document Number: 648474 D02 SAR Policy Handsts Multi Xmitter Ant v01r01. Since a minimum antenna separation between the main antenna (bottom, rear of the phone) and Bluetooth antenna (top, left, rear section) antenna is 7 cm (i.e. >5 cm) and the maximum conducted Bluetooth power is 6mW, simultaneous SAR evaluation and stand-alone Bluetooth SAR evaluation are not required. All reported measurements were made with Bluetooth Off.

Approximate cellular and Bluetooth antenna locations of the handset are shown in the following figure:



Battery Considerations

The Cellular Phone FCC ID PY7A3252041 has one battery option, BKB 193 203 (BST-38). The phone was placed in the SAR measurement system with a fully charged battery for each measurement.



Prepared (also subject responsible if other) SEM/CV/PF/P Gerard Hayes and Rodney Dixon		No. REP 2008 003 W760a 02	
Approved SEM/CV/PF/P Gerard Hayes	Checked	11June2008	A

6.1 Head Adjacent Test Results

The SAR results shown in Tables 1 through 8 are maximum SAR values averaged over 1 gram and 10 grams of phantom tissue. Also shown are the measured conducted output powers, the temperature of the test facility during the test, the temperature of the simulated tissue, the measured drift, and the extrapolated SAR. The extrapolated SAR corresponds to the measured SAR scaled to the maximum conducted output power.

The ambient temperature of the laboratory was maintained within the desired the range and the liquid depth above the ear reference points was above 15.0 cm in all the cases.

The test conditions indicated as bold numbers in the following tables are included in Appendix 2. All other test conditions measured lower SAR values than those included.



Prepared (also subject responsible if other) SEM/CV/PF/P Gerard Hayes and Rodney Dixon		No. REP 2008 003 W760a 02	
Approved SEM/CV/PF/P Gerard Hayes	Checked	11June2008	A

f(MHz)	Channel/ frequency	Conducted Output Power (dBm)	FCC ID PY7A3252041 with Standard Battery BST-38						
			Left Head (Cheek / Touch Position)					Ambient Temp (°C)	Simulate Temp (°C)
		GSM 1:8 Duty Cycle	Measured (W/kg) 1g / 10g		Drift (dB)	Extrapolated (W/kg) 1g / 10g			
800 GSM	128 / 824	32.1	0.22	0.16	-0.06	0.23	0.17	22.5	22.4
	189 / 837	32.2	0.24	0.18	-0.03	0.24	0.18		
	251 / 849	32.2	0.27	0.20	-0.04	0.28	0.20		
1900 GSM	512 / 1850	22.8	0.44	0.27	-0.12	0.45	0.28	22.1	22.4
	660/1880	22.8	0.38	0.23	0.04	0.39	0.24		
	810/1910	22.9	0.35	0.21	0.04	0.36	0.22		
f(MHz)	Channel/ frequency	Conducted Output Power (dBm)	FCC ID PY7A3252041 with Standard Battery BST-38						
			Left Head (15° Tilt Position)					Ambient Temp (°C)	Simulate Temp (°C)
		GSM 1:8 Duty Cycle	Measured (W/kg) 1g / 10g		Drift (dB)	Extrapolated (W/kg) 1g / 10g			
800 GSM	128 / 824	32.1						22.5	22.4
	189 / 837	32.2	0.13	0.10	0.07	0.13	0.10		
	251 / 849	32.2							
1900 GSM	512 / 1850	22.8						22.1	22.4
	660/1880	22.8	0.18	0.11	0.03	0.18	0.11		
	810/1910	22.9							

Table 1: SAR measurement results for the portable cellular telephone FCC ID PY7A3252041 model W760a at maximum output power with Standard Battery BST-38. Measured closed against the left head in GSM mode.



Sony Ericsson

REPORT

12(102)

Prepared (also subject responsible if other) SEM/CV/PF/P Gerard Hayes and Rodney Dixon		No. REP 2008 003 W760a 02	
Approved SEM/CV/PF/P Gerard Hayes	Checked	11June2008	A

f(MHz)	Channel/ frequency	Conducted Output Power (dBm)	FCC ID PY7A3252041 with Standard Battery BST-38						
			Right Head (Cheek / Touch Position)					Ambient Temp (°C)	Simulate Temp (°C)
			GSM 1:8 Duty Cycle	Measured (W/kg) 1g / 10g		Drift (dB)	Extrapolated (W/kg) 1g / 10g		
800 GSM	128 / 824	32.1	0.28	0.18	-0.02	0.28	0.19	22.5	22.5
	189 / 837	32.2	0.29	0.19	0.01	0.30	0.20		
	251 / 849	32.2	0.33	0.21	-0.02	0.34	0.22		
1900 GSM	512 / 1850	22.8	0.43	0.26	-0.05	0.44	0.26	22.1	22.4
	660/1880	22.8	0.38	0.23	0.02	0.39	0.24		
	810/1910	22.9	0.34	0.20	0.00	0.35	0.21		
f(MHz)	Channel/ frequency	Conducted Output Power (dBm)	FCC ID PY7A3252041 with Standard Battery BST-38						
			Right Head (15° Tilt Position)					Ambient Temp (°C)	Simulate Temp (°C)
			GSM 1:8 Duty Cycle	Measured (W/kg) 1g / 10g		Drift (dB)	Extrapolated (W/kg) 1g / 10g		
800 GSM	128 / 824	32.1						22.5	22.5
	189 / 837	32.2	0.14	0.11	-0.01	0.14	0.11		
	251 / 849	32.2							
1900 GSM	512 / 1850	22.8						22.1	22.4
	660/1880	22.8	0.17	0.10	0.03	0.17	0.10		
	810/1910	22.9							

Table 2: SAR measurement results for the portable cellular telephone FCC ID PY7A3252041 model W760a at maximum output power with Standard Battery BST-38. Measured closed against the right head in GSM mode.



Prepared (also subject responsible if other) SEM/CV/PF/P Gerard Hayes and Rodney Dixon		No. REP 2008 003 W760a 02	
Approved SEM/CV/PF/P Gerard Hayes	Checked	11June2008	A

f(MHz)	Channel/ frequency	Conducted Output Power (dBm)	FCC ID PY7A3252041 with Standard Battery BST-38						
			Left Head (Cheek / Touch Position)					Ambient Temp (°C)	Simulate Temp (°C)
		GSM 1:8 Duty Cycle	Measured (W/kg) 1g / 10g		Drift (dB)	Extrapolated (W/kg) 1g / 10g			
800 GSM	128 / 824	32.1	0.41	0.31	-0.03	0.42	0.31	21.8	21.5
	189 / 837	32.2	0.46	0.34	-0.02	0.47	0.35		
	251 / 849	32.2	0.51	0.38	0.00	0.52	0.39		
1900 GSM	512 / 1850	22.8						21.1	21.4
	660/1880	22.8	0.29	0.17	0.06	0.29	0.17		
	810/1910	22.9							
f(MHz)	Channel/ frequency	Conducted Output Power (dBm)	FCC ID PY7A3252041 with Standard Battery BST-38						
			Left Head (15° Tilt Position)					Ambient Temp (°C)	Simulate Temp (°C)
		GSM 1:8 Duty Cycle	Measured (W/kg) 1g / 10g		Drift (dB)	Extrapolated (W/kg) 1g / 10g			
800 GSM	128 / 824	32.1						21.8	21.5
	189 / 837	32.2	0.26	0.20	-0.03	0.26	0.20		
	251 / 849	32.2							
1900 GSM	512 / 1850	22.8						21.1	21.4
	660/1880	22.8	0.11	0.07	-0.01	0.11	0.07		
	810/1910	22.9							

Table 3: SAR measurement results for the portable cellular telephone FCC ID PY7A3252041 model W760a at maximum output power with Standard Battery BST-38. Measured open against the left head in GSM mode.



Sony Ericsson

REPORT

14(102)

Prepared (also subject responsible if other) SEM/CV/PF/P Gerard Hayes and Rodney Dixon		No. REP 2008 003 W760a 02	
Approved SEM/CV/PF/P Gerard Hayes	Checked	11June2008	A

f(MHz)	Channel/ frequency	Conducted Output Power (dBm)	FCC ID PY7A3252041 with Standard Battery BST-38						
			Right Head (Cheek / Touch Position)					Ambient Temp (°C)	Simulate Temp (°C)
			GSM 1:8 Duty Cycle	Measured (W/kg) 1g / 10g		Drift (dB)	Extrapolated (W/kg) 1g / 10g		
800 GSM	128 / 824	32.1	0.35	0.26	-0.06	0.36	0.27	21.5	21.4
	189 / 837	32.2	0.38	0.29	-0.06	0.39	0.30		
	251 / 849	32.2	0.42	0.32	-0.01	0.43	0.33		
1900 GSM	512 / 1850	22.8						21.1	21.4
	660/1880	22.8	0.25	0.16	-0.08	0.25	0.16		
	810/1910	22.9							
f(MHz)	Channel/ frequency	Conducted Output Power (dBm)	FCC ID PY7A3252041 with Standard Battery BST-38						
			Right Head (15° Tilt Position)					Ambient Temp (°C)	Simulate Temp (°C)
			GSM 1:8 Duty Cycle	Measured (W/kg) 1g / 10g		Drift (dB)	Extrapolated (W/kg) 1g / 10g		
800 GSM	128 / 824	32.1						21.5	21.4
	189 / 837	32.2	0.26	0.20	-0.08	0.27	0.20		
	251 / 849	32.2							
1900 GSM	512 / 1850	22.8						21.1	21.4
	660/1880	22.8	0.19	0.11	0.01	0.19	0.11		
	810/1910	22.9							

Table 4: SAR measurement results for the portable cellular telephone FCC ID PY7A3252041 model W760a at maximum output power with Standard Battery BST-38. Measured open against the right head in GSM mode.



Prepared (also subject responsible if other) SEM/CV/PF/P Gerard Hayes and Rodney Dixon		No. REP 2008 003 W760a 02	
Approved SEM/CV/PF/P Gerard Hayes	Checked	11June2008	A

f(MHz)	Channel/ frequency	Conducted Output Power (dBm)	FCC ID PY7A3252041 with Standard Battery BST-38						
			UMTS Left Head Position (Cheek / Touch Position)						
		UMTS Duty Cycle	Measured (W/kg) 1g / 10g		Drift (dB)	Extrapolated (W/kg) 1g / 10g		Ambient Temp (°C)	Simulate Temp (°C)
Band V	4133/826.6	23.1	0.27	0.195	-0.09	0.28	0.20	21.9	21.7
	4175/835	23.2	0.211	0.152	0.00	0.22	0.16		
	4232/846.4	23.2	0.266	0.193	-0.07	0.27	0.20		
Band II	9263/1852.6	22.8	0.653	0.423	-0.06	0.67	0.43	22.6	22.5
	9400/1880	22.8	0.747	0.468	0.01	0.76	0.48		
	9537/1907.4	22.9	0.719	0.443	0.01	0.74	0.45		
f(MHz)	Channel/ frequency	Conducted Output Power (dBm)	FCC ID PY7A3252041 with Standard Battery BST-38						
			UMTS Left Head Position (15° Tilt Position)						
		UMTS Duty Cycle	Measured (W/kg) 1g / 10g		Drift (dB)	Extrapolated (W/kg) 1g / 10g		Ambient Temp (°C)	Simulate Temp (°C)
Band V	4133/826.6	23.1						21.9	21.7
	4175/835	23.2	0.114	0.0853	0.02	0.12	0.09		
	4232/846.4	23.2							
Band II	9263/1852.6	22.8						22.6	22.5
	9400/1880	22.8	0.345	0.209	0.02	0.35	0.21		
	9537/1907.4	22.9							

Table 5: UMTS SAR measurement results for the portable cellular telephone FCC ID PY7A3252041 model W760a at maximum output power with Standard Battery BST-38. Measured closed against the left head in UMTS mode.



Prepared (also subject responsible if other) SEM/CV/PF/P Gerard Hayes and Rodney Dixon		No. REP 2008 003 W760a 02	
Approved SEM/CV/PF/P Gerard Hayes	Checked	11June2008	A

f(MHz)	Channel/ frequency	Conducted Output Power (dBm)	FCC ID PY7A3252041 with Standard Battery BST-38						
			UMTS Right Head Position (Cheek / Touch Position)						
		UMTS Duty Cycle	Measured (W/kg) 1g / 10g		Drift (dB)	Extrapolated (W/kg) 1g / 10g		Ambient Temp (°C)	Simulate Temp (°C)
Band V	4133/826.6	23.1	0.34	0.22	-0.12	0.35	0.23	21.7	21.6
	4175/835	23.2	0.26	0.17	-0.03	0.27	0.17		
	4232/846.4	23.2	0.36	0.23	-0.05	0.37	0.24		
Band II	9263/1852.6	22.8	0.61	0.36	0.04	0.62	0.37	22.5	22.5
	9400/1880	22.8	0.66	0.39	-0.10	0.68	0.40		
	9537/1907.4	22.9	0.63	0.37	-0.06	0.65	0.38		
f(MHz)	Channel/ frequency	Conducted Output Power (dBm)	FCC ID PY7A3252041 with Standard Battery BST-38						
			UMTS Right Head Position (15° Tilt Position)						
		UMTS Duty Cycle	Measured (W/kg) 1g / 10g		Drift (dB)	Extrapolated (W/kg) 1g / 10g		Ambient Temp (°C)	Simulate Temp (°C)
Band V	4133/826.6	23.1						21.7	21.6
	4175/835	23.2	0.12	0.09	0.00	0.13	0.09		
	4232/846.4	23.2							
Band II	9263/1852.6	22.8						22.5	22.5
	9400/1880	22.8	0.35	0.21	0.00	0.36	0.22		
	9537/1907.4	22.9							

Table 6: UMTS SAR measurement results for the portable cellular telephone FCC ID PY7A3252041 model W760a at maximum output power with Standard Battery BST-38. Measured closed against the right head in UMTS mode.



Prepared (also subject responsible if other) SEM/CV/PF/P Gerard Hayes and Rodney Dixon		No. REP 2008 003 W760a 02	
Approved SEM/CV/PF/P Gerard Hayes	Checked	11June2008	A

f(MHz)	Channel/ frequency	Conducted Output Power (dBm)	FCC ID PY7A3252041 with Standard Battery BST-38						
			UMTS Left Head Position (Cheek / Touch Position)					Ambient Temp (°C)	Simulate Temp (°C)
			Measured (W/kg) 1g / 10g		Drift (dB)	Extrapolated (W/kg) 1g / 10g			
Band V	4133/826.6	23.1						21.9	21.7
	4175/835	23.2	0.341	0.251	0.01	0.35	0.26		
	4232/846.4	23.2							
Band II	9263/1852.6	22.8						21.1	21.4
	9400/1880	22.8	0.614	0.361	-0.03	0.63	0.37		
	9537/1907.4	22.9							
f(MHz)	Channel/ frequency	Conducted Output Power (dBm)	FCC ID PY7A3252041 with Standard Battery BST-38						
			UMTS Left Head Position (15° Tilt Position)					Ambient Temp (°C)	Simulate Temp (°C)
			Measured (W/kg) 1g / 10g		Drift (dB)	Extrapolated (W/kg) 1g / 10g			
Band V	4133/826.6	23.1						21.9	21.7
	4175/835	23.2	0.193	0.144	0.00	0.20	0.15		
	4232/846.4	23.2							
Band II	9263/1852.6	22.8						21.1	21.4
	9400/1880	22.8	0.206	0.127	-0.07	0.21	0.13		
	9537/1907.4	22.9							

Table 7: UMTS SAR measurement results for the portable cellular telephone FCC ID PY7A3252041 model W760a at maximum output power with Standard Battery BST-38. Measured open against the left head in UMTS mode.



Prepared (also subject responsible if other) SEM/CV/PF/P Gerard Hayes and Rodney Dixon		No. REP 2008 003 W760a 02	
Approved SEM/CV/PF/P Gerard Hayes	Checked	11June2008	A

f(MHz)	Channel/ frequency	Conducted Output Power (dBm)	FCC ID PY7A3252041 with Standard Battery BST-38						
			UMTS Right Head Position (Cheek / Touch Position)						
		UMTS Duty Cycle	Measured (W/kg) 1g / 10g		Drift (dB)	Extrapolated (W/kg) 1g / 10g		Ambient Temp (°C)	Simulate Temp (°C)
Band V	4133/826.6	23.1						21.7	21.6
	4175/835	23.2	0.31	0.23	-0.05	0.31	0.23		
	4232/846.4	23.2							
Band II	9263/1852.6	22.8						21.1	21.4
	9400/1880	22.8	0.43	0.27	-0.01	0.44	0.27		
	9537/1907.4	22.9							
f(MHz)	Channel/ frequency	Conducted Output Power (dBm)	FCC ID PY7A3252041 with Standard Battery BST-38						
			UMTS Right Head Position (15° Tilt Position)						
		UMTS Duty Cycle	Measured (W/kg) 1g / 10g		Drift (dB)	Extrapolated (W/kg) 1g / 10g		Ambient Temp (°C)	Simulate Temp (°C)
Band V	4133/826.6	23.1						21.7	21.6
	4175/835	23.2	0.20	0.15	-0.03	0.21	0.15		
	4232/846.4	23.2							
Band II	9263/1852.6	22.8						21.1	21.4
	9400/1880	22.8	0.33	0.20	0.00	0.34	0.20		
	9537/1907.4	22.9							

Table 8: UMTS SAR measurement results for the portable cellular telephone FCC ID PY7A3252041 model W760a at maximum output power with Standard Battery BST-38. Measured open against the right head in UMTS mode.



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Approved SEM/CV/PF/P Gerard Hayes	Checked	11June2008	A

6.2 Body-Worn Test Results

The SAR results shown in Tables 9 through 12 are the maximum SAR values averaged over 1gram and 10 grams of phantom tissue. Also shown are the measured conducted output powers, the temperature of the test facility during the test, the temperature of the simulated tissue after the test, the measured drift and the extrapolated SAR. The extrapolated SAR corresponds to the measured SAR scaled to the maximum conducted output power.

A “flat” phantom was used for the body-worn tests. This “flat” phantom corresponds to the flat portion of the SAM phantom.

The ambient temperature of the laboratory was maintained within the desired the range and the liquid depth above the ear reference points was above 15.0 cm in all the cases.

The same device holder described in section 6 was used for positioning the phone. The cellular phone was tested with a headset (HBP-20) connected to the device for all body-worn SAR measurements.

The following body-worn accessories were tested for this phone:

- 15 mm spacer
- ICE30 Carry Case

A full data set output of the test conditions with the highest SAR values is included as Appendix 3. These test conditions included are indicated as bold numbers in the following tables. All other test conditions measured lower SAR values than those included.



Sony Ericsson

REPORT

20(102)

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Approved SEM/CV/PF/P Gerard Hayes	Checked	11June2008	A

f(MHz)	Operating Condition	Channell/ frequency	Conducted Output Power (dBm)	Body Worn						
				15mm SPACER					Ambient Temp (°C)	Simulate Temp (°C)
				Measured (W/kg) 1g / 10g	Drift (dB)	Extrapolated (W/kg) 1g / 10g				
Back of phone facing body										
800 GSM	2:8 Duty Cycle	128 / 824	32.1	0.47	0.33	-0.09	0.48	0.34	21.1	21.4
		189 / 837	32.2	0.48	0.35	-0.06	0.50	0.35		
		251 / 849	32.2	0.52	0.37	-0.09	0.53	0.37		
1900 GSM	2:8 Duty Cycle	512 / 1850	22.8	0.62	0.37	-0.09	0.63	0.38	22.6	22.5
		660/1880	22.8	0.55	0.32	-0.13	0.56	0.33		
		810/1910	22.9	0.55	0.32	-0.01	0.56	0.33		
Front of phone facing body										
800 GSM	2:8 Duty Cycle	128 / 824	32.1						21.1	21.4
		189 / 837	32.2	0.49	0.35	-0.03	0.50	0.36		
		251 / 849	32.2							
1900 GSM	2:8 Duty Cycle	512 / 1850	22.8						20.6	21.2
		660/1880	22.8	0.20	0.12	-0.02	0.20	0.12		
		810/1910	22.9							

Table 9: SAR measurement results for the portable cellular telephone FCC ID PY7A3252041 model W760a at maximum output power with Standard Battery BST-38. Measured with GSM/GPRS Mode.



Prepared (also subject responsible if other) SEM/CV/PF/P Gerard Hayes and Rodney Dixon		No. REP 2008 003 W760a 02	
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f(MHz)	Operating Condition	Channel/ frequency	Conducted Output Power (dBm)	FCC ID PY7A3252041 with Standard Battery BST-38						
				Body Worn			Carry Accessory: ICE30 Back of phone facing body			
				Measured (W/kg) 1g / 10g	Drift (dB)	Extrapolated (W/kg) 1g / 10g	Ambient Temp (°C)	Simulate Temp (°C)		
Back of phone facing body										
800 GSM	2:8 Duty Cycle	128 / 824	32.1	0.47	0.34	-0.03	0.48	0.34	21.1	21.4
		189 / 837	32.2	0.49	0.35	-0.04	0.50	0.36		
		251 / 849	32.2	0.52	0.37	0.00	0.53	0.37		
1900 GSM	2:8 Duty Cycle	512 / 1850	22.8	0.69	0.41	-0.04	0.71	0.42	22.5	22.5
		660/1880	22.8	0.61	0.36	0.04	0.62	0.37		
		810/1910	22.9	0.64	0.38	0.00	0.65	0.38		
Front of phone facing body										
800 GSM	2:8 Duty Cycle	128 / 824	32.1						21.1	21.4
		189 / 837	32.2	0.49	0.35	0.01	0.50	0.35		
		251 / 849	32.2							
1900 GSM	2:8 Duty Cycle	512 / 1850	22.8						20.7	21.1
		660/1880	22.8	0.20	0.13	-0.09	0.21	0.13		
		810/1910	22.9							

Table 10: SAR measurement results for the portable cellular telephone FCC ID PY7A3252041 model W760a at maximum output power with Standard Battery BST-38. Measured with GSM/GPRS Mode.



Prepared (also subject responsible if other) SEM/CV/PF/P Gerard Hayes and Rodney Dixon		No. REP 2008 003 W760a 02	
Approved SEM/CV/PF/P Gerard Hayes	Checked	11June2008	A

f(MHz)	Channel/ frequency	Conducted Output Power (dBm)	FCC ID PY7A3252041 with Standard Battery BST-38						
			UMTS Body Worn			Carry Accessory: 15mm SPACER Back of phone facing body			
			Measured (W/kg) 1g / 10g	Drift (dB)	Extrapolated (W/kg) 1g / 10g	Ambient Temp (°C)	Simulate Temp (°C)		
Back of phone facing body									
Band V	4133/826.6	23.1	0.30	0.21	-0.11	0.31	0.22	20.6	21.2
	4175/835	23.2	0.23	0.16	-0.02	0.23	0.17		
	4232/846.4	23.2	0.28	0.20	-0.03	0.29	0.20		
Band II	9263/1852.6	22.8	0.57	0.35	-0.07	0.59	0.36	22.0	22.1
	9400/1880	22.8	0.59	0.36	-0.03	0.61	0.37		
	9537/1907.4	22.9	0.58	0.34	-0.18	0.59	0.35		
Front of phone facing body									
Band V	4133/826.6	23.1						20.6	21.2
	4175/835	23.2	0.15	0.11	-0.04	0.15	0.11		
	4232/846.4	23.2							
Band II	9263/1852.6	22.8						22.0	22.1
	9400/1880	22.8	0.20	0.12	0.00	0.20	0.12		
	9537/1907.4	22.9							

Table 11: UMTS SAR measurement results for the portable cellular telephone FCC ID PY7A3252041 model W760a at maximum output power with Standard Battery BST-38. Measured against the body with UMTS/HSDPA Modes.



Prepared (also subject responsible if other) SEM/CV/PF/P Gerard Hayes and Rodney Dixon		No. REP 2008 003 W760a 02	
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f(MHz)	Operating Condition	Channel/ frequency	Conducted Output Power (dBm)	FCC ID PY7A3252041 with Standard Battery BST-38						
				UMTS Body Worn			Carry Accessory: ICE30			
				Back of phone facing body						
				Measured (W/kg) 1g / 10g	Drift (dB)	Extrapolated (W/kg) 1g / 10g	Ambient Temp (°C)	Simulate Temp (°C)		
Back of phone facing body										
Band V		4133/826.6	23.1	0.29	0.20	-0.12	0.29	0.21	20.7	21.1
		4175/835	23.2	0.25	0.18	-0.02	0.25	0.18		
		4232/846.4	23.2	0.28	0.20	-0.04	0.29	0.21		
Band II		9263/1852.6	22.8	0.49	0.30	0.01	0.50	0.31	22.0	22.1
		9400/1880	22.8	0.55	0.33	0.04	0.56	0.34		
		9537/1907.4	22.9	0.56	0.34	0.02	0.57	0.34		
Front of phone facing body										
Band V		4133/826.6	23.1						20.7	21.1
		4175/835	23.2	0.15	0.11	0.00	0.15	0.11		
		4232/846.4	23.2							
Band II		9263/1852.6	22.8						22.0	22.1
		9400/1880	22.8	0.21	0.13	0.01	0.21	0.14		
		9537/1907.4	22.9							

Table 12: UMTS SAR measurement results for the portable cellular telephone FCC ID PY7A3252041 model W760a at maximum output power with Standard Battery BST-38. Measured with UMTS/HSDPA Modes.

**Sony Ericsson**

REPORT

24(102)

Prepared (also subject responsible if other) SEM/CV/PF/P Gerard Hayes and Rodney Dixon		No. REP 2008 003 W760a 02	
Approved SEM/CV/PF/P Gerard Hayes	Checked	11June2008	A

References

- [1] FCC, "Evaluating Compliance with FCC Guidelines for Human Exposure to Radiofrequency Electromagnetic Fields: Additional Information for Evaluating Compliance of Mobile and Portable Devices with FCC Limits for Human Exposure to Radiofrequency Emissions," Supplement C (Edition 01-01) to OET Bulletin 65 (Edition 97-01).
- [2] IEC 62209-1, "Human exposure to radio frequency fields from hand-held and body-mounted wireless communication devices – Human models, instrumentation, and procedures – Part 1: Procedure to determine the specific absorption rate (SAR) for hand-held devices used in close proximity to the ear (frequency range of 300 MHz to 3 GHz) ", First Edition 2005-02.
- [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.

APPLICANT: Sony Ericsson Mobile Communications Inc.

FCC ID: **PY7A3252041**



Sony Ericsson

REPORT

25(102)

Prepared (also subject responsible if other) SEM/CV/PF/P Gerard Hayes and Rodney Dixon		No. REP 2008 003 W760a 02	
Approved SEM/CV/PF/P Gerard Hayes	Checked	11June2008	A

Appendix 1

SAR distribution comparison for the system accuracy verification



Prepared (also subject responsible if other) SEM/CV/PF/P Gerard Hayes and Rodney Dixon		No. REP 2008 003 W760a 02	
Approved SEM/CV/PF/P Gerard Hayes	Checked	11June2008	A

835 MHz SAR Distribution of Validation Dipole Antenna

System Performance Check (Using head tissue).

Validation 835Head 429 1251 28May08 T01File Name: [Validation 835Head 429 1251 28May08 T01.da4](#)

Phantom: SAM with CRP (Low Band Head) Phantom section: Flat Section

Probe: ET3DV6 - SN1584ConvF(6.7, 6.7, 6.7) Duty Cycle: 1:1 Frequency: 835 MHz

Medium parameters used: $f = 835 \text{ MHz}$; $\sigma = 0.91 \text{ mho/m}$; $\epsilon_r = 41.5$; $\rho = 1000 \text{ kg/m}^3$

Measurement Standard: DASY4 (High Precision Assessment)

Dipole at 10 mm/Area Scan (61x61x1):Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (interpolated) = 0.952 mW/g

Dipole at 10 mm/Zoom Scan (7x7x7)/Cube 0:Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 34.0 V/m; Power Drift = 0.005 dB

Peak SAR (extrapolated) = 1.23 W/kg

SAR(1 g) = 0.887 mW/g; SAR(10 g) = 0.587 mW/g

Maximum value of SAR (measured) = 0.961 mW/g

Dipole at 10 mm/Zoom Scan 2 (7x7x7)/Cube 0:Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 34.0 V/m; Power Drift = 0.005 dB

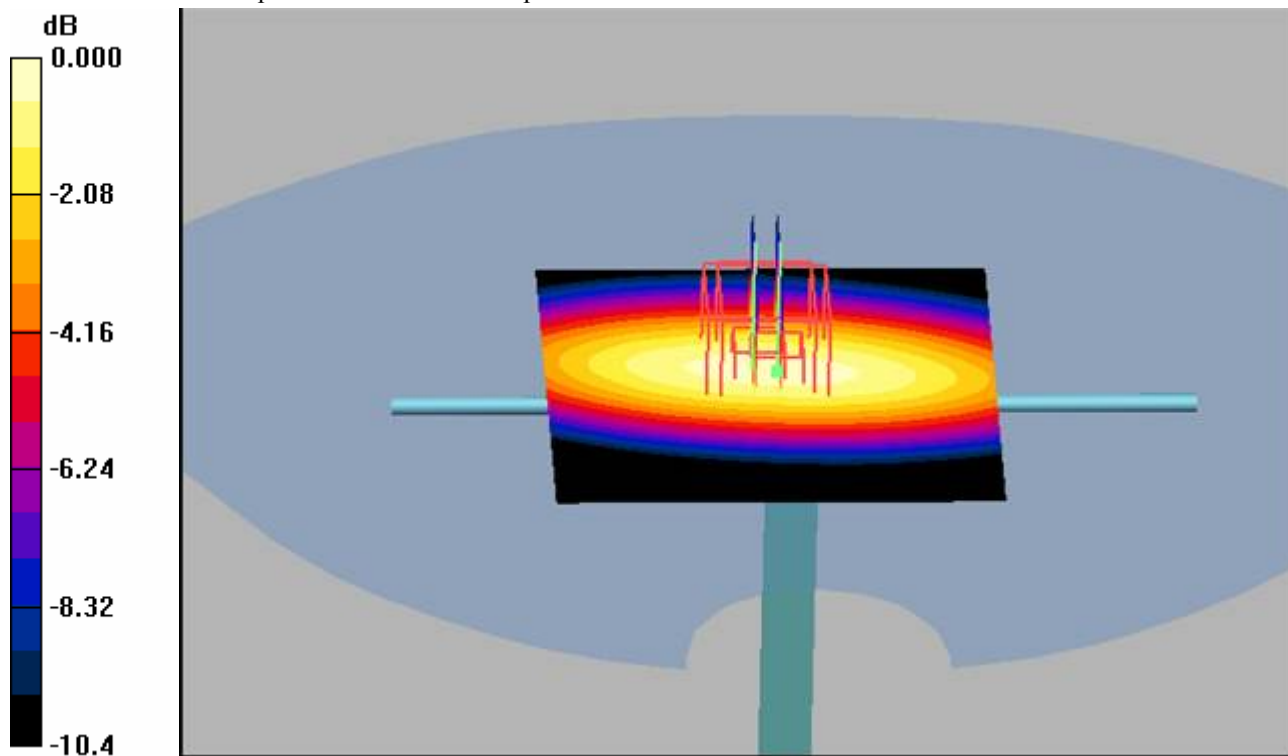
Peak SAR (extrapolated) = 1.32 W/kg

SAR(1 g) = 0.945 mW/g; SAR(10 g) = 0.628 mW/g

Maximum value of SAR (measured) = 1.02 mW/g

Procedure Notes: Pin: before 100 mW / after 100 mW

- 47.6 % Ambient Temp - 22.5 C Simulant Temp - 22.4 C



0 dB = 1.02mW/g



Prepared (also subject responsible if other) SEM/CV/PF/P Gerard Hayes and Rodney Dixon		No. REP 2008 003 W760a 02	
Approved SEM/CV/PF/P Gerard Hayes	Checked	11June2008	A

835 MHz SAR Distribution of Validation Dipole Antenna

System Performance Check (Using head tissue).

Validation 835Head 429 1251 04June08 T01File Name: [Validation 835Head 429 1251 04June08 T01.da4](#)

Phantom: SAM with CRP (Low Band Head) Phantom section: Flat Section

Probe: ET3DV6 - SN1586ConvF(6.5, 6.5, 6.5) Duty Cycle: 1:1 Frequency: 835 MHz

Medium parameters used: $f = 835$ MHz; $\sigma = 0.908$ mho/m; $\epsilon_r = 40.8$; $\rho = 1000$ kg/m³

Measurement Standard: DASY4 (High Precision Assessment)

Dipole at 10 mm/Area Scan (61x61x1):Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (interpolated) = 0.932 mW/g

Dipole at 10 mm/Zoom Scan (7x7x7)/Cube 0:Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 33.7 V/m; Power Drift = 0.002 dB

Peak SAR (extrapolated) = 1.21 W/kg

SAR(1 g) = 0.864 mW/g; SAR(10 g) = 0.570 mW/g

Maximum value of SAR (measured) = 0.932 mW/g

Dipole at 10 mm/Zoom Scan 2 (7x7x7)/Cube 0:Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 33.7 V/m; Power Drift = 0.002 dB

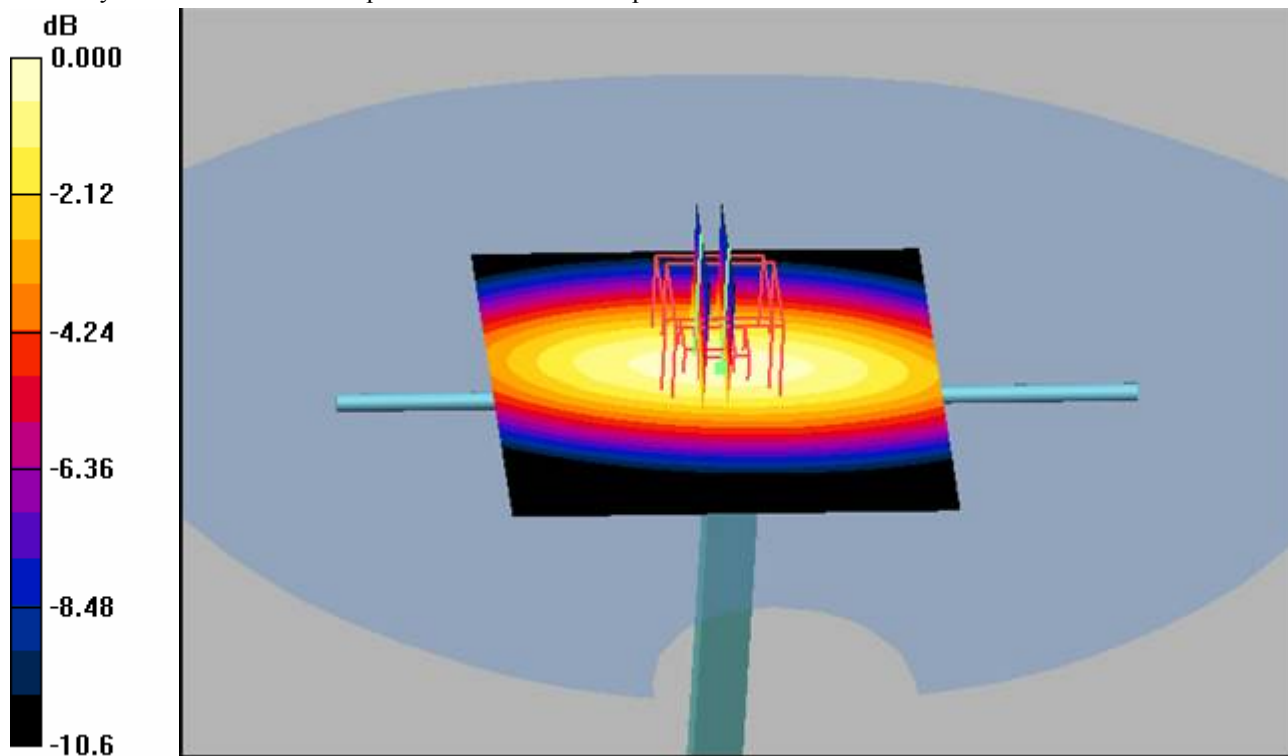
Peak SAR (extrapolated) = 1.26 W/kg

SAR(1 g) = 0.908 mW/g; SAR(10 g) = 0.602 mW/g

Maximum value of SAR (measured) = 0.982 mW/g

Procedure Notes: Pin: before 100.1 mW / after 100.4 mW

Humidity - 50.3 % Ambient Temp - 21.7 C Simulant Temp - 21.6 C



0 dB = 0.982mW/g



Prepared (also subject responsible if other) SEM/CV/PF/P Gerard Hayes and Rodney Dixon		No. REP 2008 003 W760a 02	
Approved SEM/CV/PF/P Gerard Hayes	Checked	11June2008	A

835 MHz SAR Distribution of Validation Dipole Antenna

System Performance Check (Using head tissue).

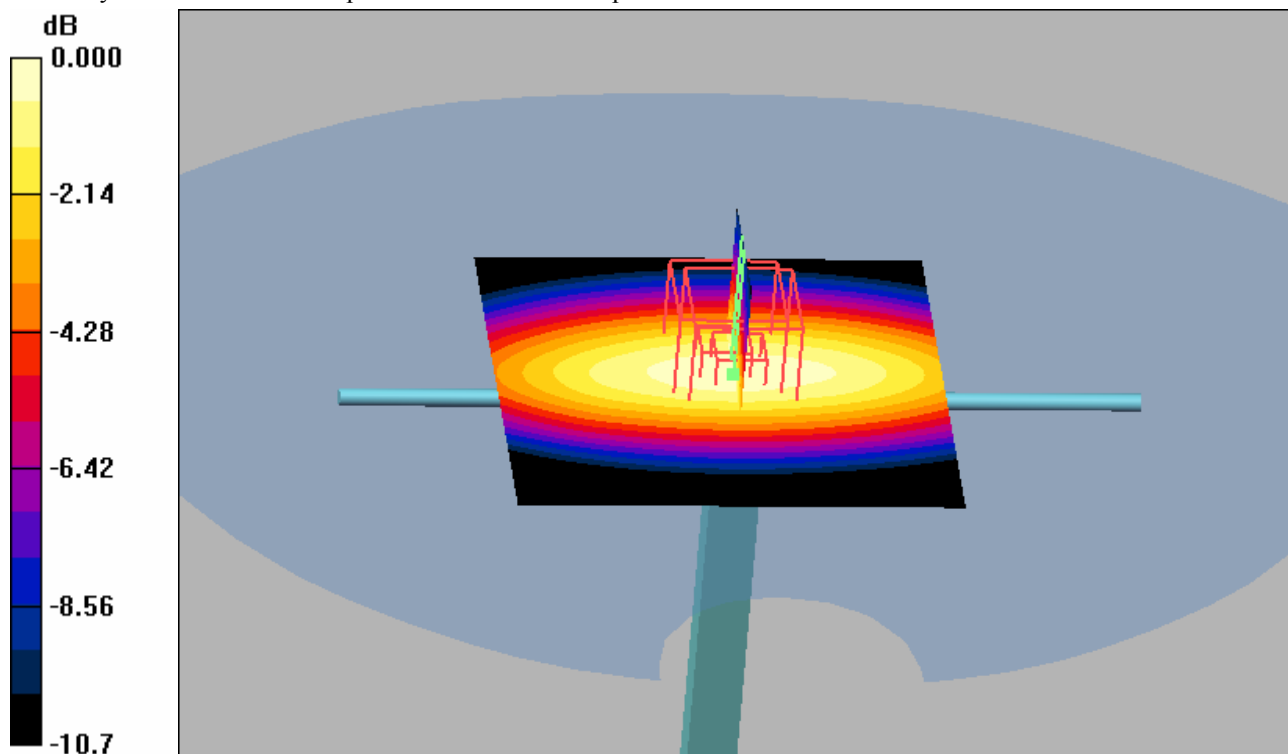
Validation 835Head 429 1251 05June08 T01File Name: [Validation 835Head 429 1251 05June08 T01.da4](#)

Phantom: SAM with CRP (Low Band Head) Phantom section: Flat Section

Probe: ET3DV6 - SN1586ConvF(6.5, 6.5, 6.5) Duty Cycle: 1:1 Frequency: 835 MHz

Medium parameters used: $f = 835 \text{ MHz}$; $\sigma = 0.912 \text{ mho/m}$; $\epsilon_r = 41.5$; $\rho = 1000 \text{ kg/m}^3$

Measurement Standard: DASY4 (High Precision Assessment)

Dipole at 10 mm/Area Scan (61x61x1):Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$ Maximum value of SAR (interpolated) = 0.947 mW/g **Dipole at 10 mm/Zoom Scan (7x7x7)/Cube 0:**Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$ Reference Value = 33.8 V/m ; Power Drift = 0.010 dB Peak SAR (extrapolated) = 1.23 W/kg **SAR(1 g) = 0.874 mW/g ; SAR(10 g) = 0.577 mW/g** Maximum value of SAR (measured) = 0.948 mW/g **Dipole at 10 mm/Zoom Scan 2 (7x7x7)/Cube 0:**Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$ Reference Value = 33.8 V/m ; Power Drift = 0.010 dB Peak SAR (extrapolated) = 1.28 W/kg **SAR(1 g) = 0.922 mW/g ; SAR(10 g) = 0.612 mW/g** Maximum value of SAR (measured) = 0.991 mW/g Procedure Notes: Pin: before 100.2 mW / after 100.2 mW Humidity - 53% Ambient Temp - 21.5 C Simulant Temp - 21.4 C 0 dB = 0.991 mW/g



Prepared (also subject responsible if other) SEM/CV/PF/P Gerard Hayes and Rodney Dixon		No. REP 2008 003 W760a 02	
Approved SEM/CV/PF/P Gerard Hayes	Checked	11June2008	A

835 MHz SAR Distribution of Validation Dipole Antenna**System Performance Check (Using body tissue).****Validation_835Body_429_1031_02June08_T01**File Name: [Validation_835Body_429_1031_02June08_T01.da4](#)

Phantom: SAM with CRP (Low Band Body) Phantom section: Flat Section

Probe: ET3DV6 - SN1587ConvF(6.55, 6.55, 6.55) Duty Cycle: 1:1 Frequency: 835 MHz

Medium parameters used: $f = 835 \text{ MHz}$; $\sigma = 0.948 \text{ mho/m}$; $\epsilon_r = 53$; $\rho = 1000 \text{ kg/m}^3$

Measurement Standard: DASY4 (High Precision Assessment)

Dipole at 10 mm/Area Scan (61x61x1):Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (interpolated) = 1.05 mW/g

Dipole at 10 mm/Zoom Scan (7x7x7)/Cube 0:Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 33.8 V/m; Power Drift = 0.041 dB

Peak SAR (extrapolated) = 1.43 W/kg

SAR(1 g) = 0.984 mW/g; SAR(10 g) = 0.649 mW/g

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

Dipole at 10 mm/Zoom Scan 2 (7x7x7)/Cube 0:Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

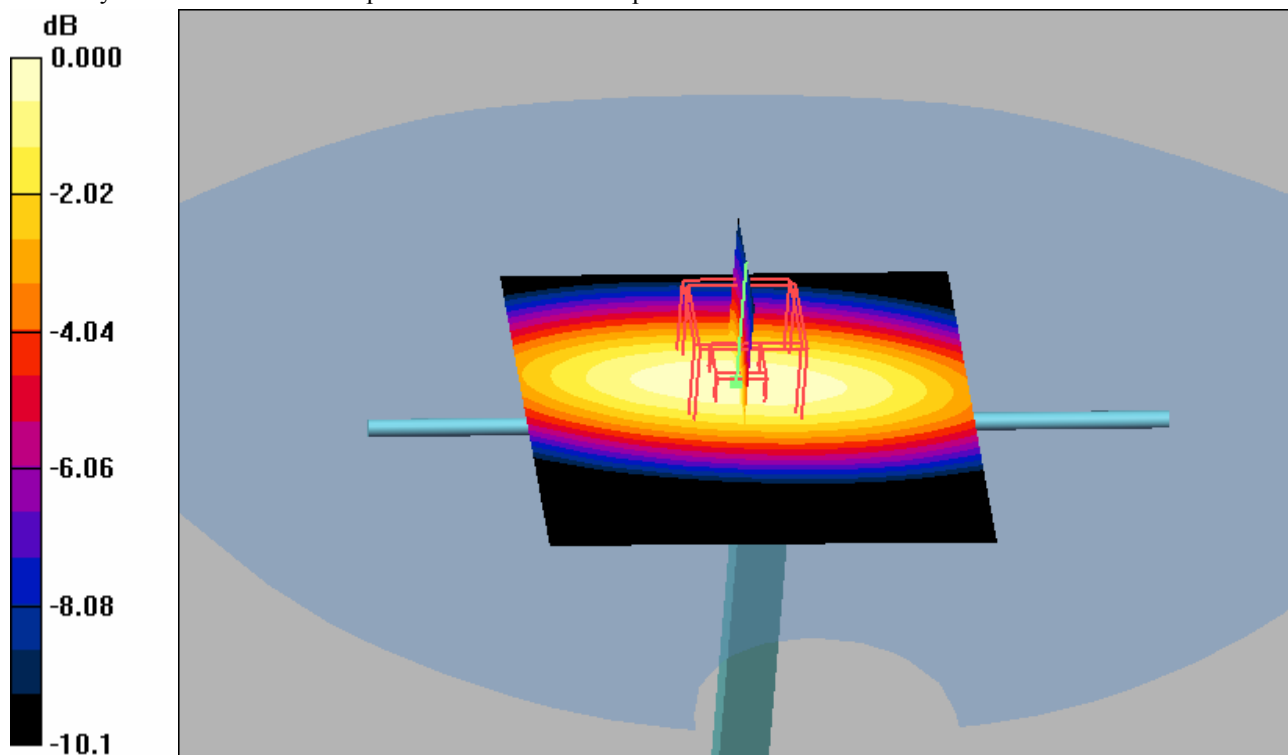
Reference Value = 33.8 V/m; Power Drift = 0.041 dB

Peak SAR (extrapolated) = 1.44 W/kg

SAR(1 g) = 0.998 mW/g; SAR(10 g) = 0.658 mW/g

Procedure Notes: Pin: before 100 mW / after 100.3 mW

Humidity - 55.3 % Ambient Temp - 21.1 C Simulant Temp - 21.4 C



0 dB = 1.07mW/g

835 MHz SAR Distribution of Validation Dipole Antenna



Prepared (also subject responsible if other) SEM/CV/PF/P Gerard Hayes and Rodney Dixon		No. REP 2008 003 W760a 02	
Approved SEM/CV/PF/P Gerard Hayes	Checked	11June2008	A

System Performance Check (Using body tissue).**Validation 835Body 429_1031_03June08_T01**File Name: [Validation 835Body 429_1031_03June08_T01.da4](#)

Phantom: SAM with CRP (Low Band Body) Phantom section: Flat Section

Probe: ET3DV6 - SN1587ConvF(6.55, 6.55, 6.55) Duty Cycle: 1:1 Frequency: 835 MHz

Medium parameters used: $f = 835 \text{ MHz}$; $\sigma = 0.948 \text{ mho/m}$; $\epsilon_r = 53$; $\rho = 1000 \text{ kg/m}^3$

Measurement Standard: DASY4 (High Precision Assessment)

Dipole at 10 mm/Area Scan (61x61x1):Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Dipole at 10 mm/Zoom Scan (7x7x7)/Cube 0:Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 34.0 V/m; Power Drift = -0.001 dB

Peak SAR (extrapolated) = 1.38 W/kg

SAR(1 g) = 0.958 mW/g; SAR(10 g) = 0.635 mW/g

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

Dipole at 10 mm/Zoom Scan 2 (7x7x7)/Cube 0:Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 34.0 V/m; Power Drift = -0.001 dB

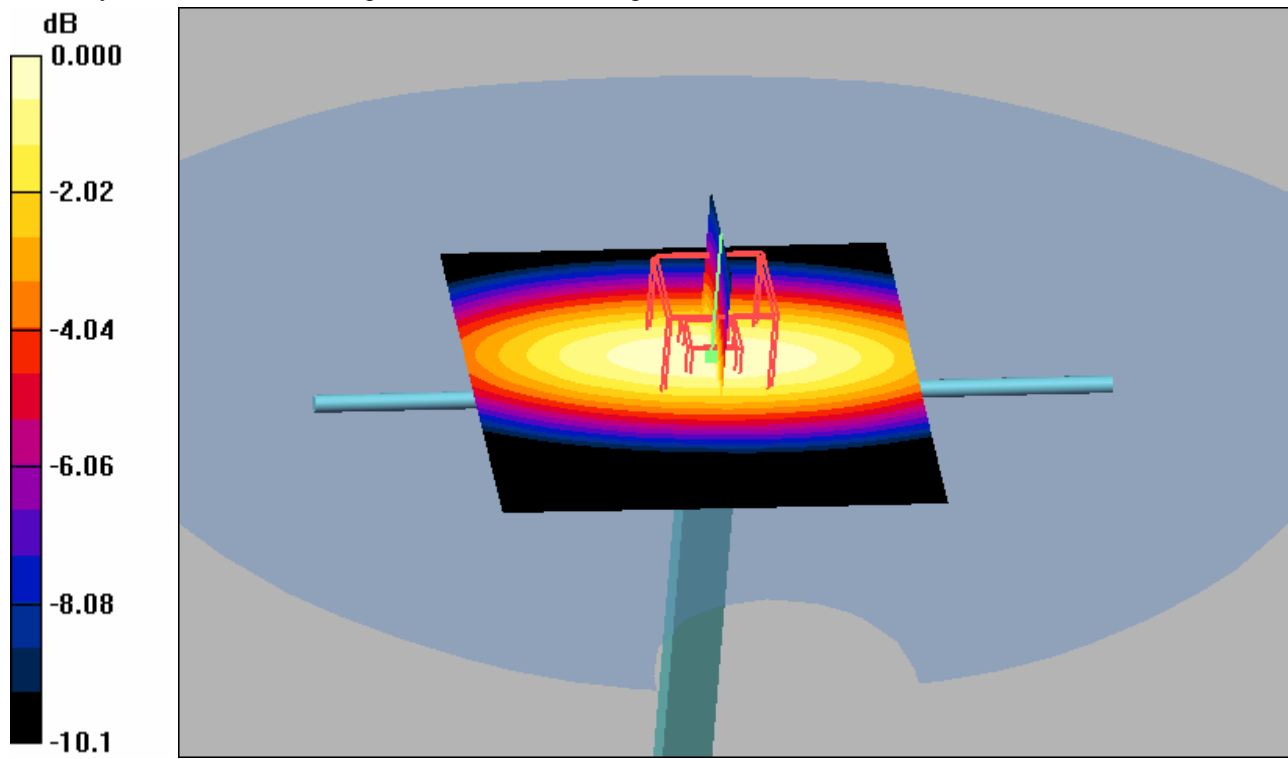
Peak SAR (extrapolated) = 1.42 W/kg

SAR(1 g) = 0.976 mW/g; SAR(10 g) = 0.645 mW/g

Maximum value of SAR (measured) = 1.05 mW/g

Procedure Notes: Pin: before 100 mW / after 100 mW

Humidity - 47.3 % Ambient Temp - 20.6 C Simulant Temp - 21.2 C



0 dB = 1.05mW/g

1900 MHz SAR Distribution of Validation Dipole Antenna



Prepared (also subject responsible if other) SEM/CV/PF/P Gerard Hayes and Rodney Dixon		No. REP 2008 003 W760a 02	
Approved SEM/CV/PF/P Gerard Hayes	Checked	11June2008	A

System Performance Check (Using head tissue).**Validation 1900Head 537_1054_27May08_T01**File Name: [Validation 1900Head 537_1054_27May08_T01.da4](#)

Phantom: SAM with CRP (High Band Head) Phantom section: Flat Section

Probe: ET3DV6 - SN1584ConvF(5.13, 5.13, 5.13) Duty Cycle: 1:1 Frequency: 1900 MHz

Medium parameters used: $f = 1900$ MHz; $\sigma = 1.47$ mho/m; $\epsilon_r = 38.6$; $\rho = 1000$ kg/m³

Measurement Standard: DASY4 (High Precision Assessment)

Dipole at 10 mm/Area Scan (61x61x1):

Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 4.73 mW/g

Dipole at 10 mm/Zoom Scan (7x7x7)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 57.4 V/m; Power Drift = 0.060 dB

Peak SAR (extrapolated) = 6.84 W/kg

SAR(1 g) = 3.85 mW/g; SAR(10 g) = 2 mW/g

Maximum value of SAR (measured) = 4.32 mW/g

Dipole at 10 mm/Zoom Scan 2 (7x7x7)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 57.4 V/m; Power Drift = 0.060 dB

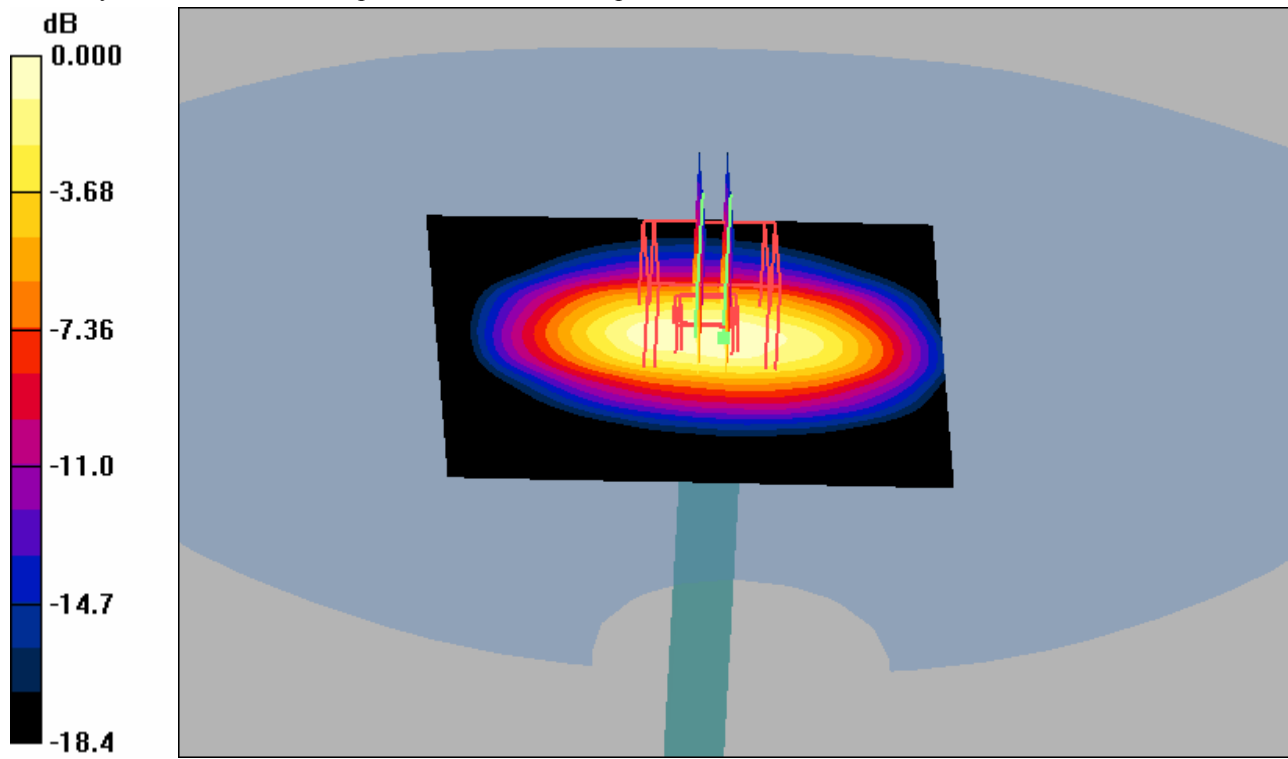
Peak SAR (extrapolated) = 7.28 W/kg

SAR(1 g) = 4.05 mW/g; SAR(10 g) = 2.11 mW/g

Maximum value of SAR (measured) = 4.57 mW/g

Procedure Notes: Pin: before 101 mW / after 101 mW

Humidity: 48.2 % Ambient Temp: 22.1 C Simulant Temp: 22.4 C



0 dB = 4.57mW/g

1900 MHz SAR Distribution of Validation Dipole Antenna



Prepared (also subject responsible if other) SEM/CV/PF/P Gerard Hayes and Rodney Dixon		No. REP 2008 003 W760a 02	
Approved SEM/CV/PF/P Gerard Hayes	Checked	11June2008	A

System Performance Check (Using head tissue).**Validation 1900Head 537_1335_28May08_T01**File Name: [Validation 1900Head 537_1335_28May08_T01.da4](#)

Phantom: SAM with CRP (High Band Head) Phantom section: Flat Section

Probe: ET3DV6 - SN1539 ConvF(4.78, 4.78, 4.78) Duty Cycle: 1:1 Frequency: 1900 MHz

Medium parameters used: $f = 1900$ MHz; $\sigma = 1.44$ mho/m; $\epsilon_r = 38$; $\rho = 1000$ kg/m³

Measurement Standard: DASY4 (High Precision Assessment)

Dipole at 10 mm/Area Scan (61x61x1):

Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 4.95 mW/g

Dipole at 10 mm/Zoom Scan (7x7x7)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 56.4 V/m; Power Drift = 0.081 dB

Peak SAR (extrapolated) = 7.10 W/kg

SAR(1 g) = 4.04 mW/g; SAR(10 g) = 2.12 mW/g

Maximum value of SAR (measured) = 4.55 mW/g

Dipole at 10 mm/Zoom Scan 2 (7x7x7)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 56.4 V/m; Power Drift = 0.081 dB

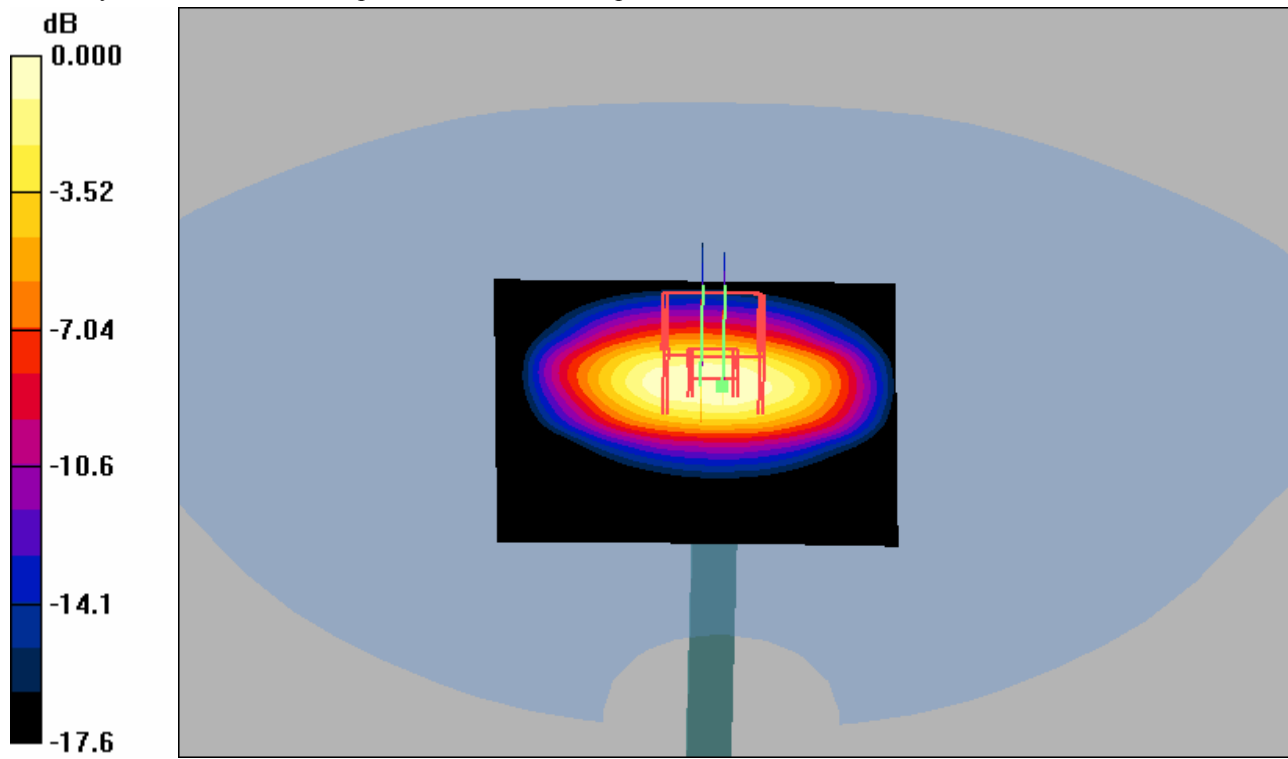
Peak SAR (extrapolated) = 7.06 W/kg

SAR(1 g) = 4.06 mW/g; SAR(10 g) = 2.14 mW/g

Maximum value of SAR (measured) = 4.57 mW/g

Procedure Notes: Pin: before 100 mW / after 101 mW

Humidity: 59.1 % Ambient Temp: 22.6 C Simulant Temp: 22.5 C



0 dB = 4.57mW/g

1900 MHz SAR Distribution of Validation Dipole Antenna



Prepared (also subject responsible if other) SEM/CV/PF/P Gerard Hayes and Rodney Dixon		No. REP 2008 003 W760a 02	
Approved SEM/CV/PF/P Gerard Hayes	Checked	11June2008	A

System Performance Check (Using head tissue).**Validation 1900Head 537_1335_29May08_T01**File Name: [Validation 1900Head 537_1335_29May08_T01.da4](#)

Phantom: SAM with CRP (High Band Head) Phantom section: Flat Section

Probe: ET3DV6 - SN1539 ConvF(4.78, 4.78, 4.78) Duty Cycle: 1:1 Frequency: 1900 MHz

Medium parameters used: $f = 1900$ MHz; $\sigma = 1.44$ mho/m; $\epsilon_r = 38.1$; $\rho = 1000$ kg/m³

Measurement Standard: DASY4 (High Precision Assessment)

Dipole at 10 mm/Area Scan (61x61x1):

Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 5.08 mW/g

Dipole at 10 mm/Zoom Scan (7x7x7)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 60.0 V/m; Power Drift = 0.011 dB

Peak SAR (extrapolated) = 7.09 W/kg

SAR(1 g) = 4.09 mW/g; SAR(10 g) = 2.16 mW/g

Maximum value of SAR (measured) = 4.63 mW/g

Dipole at 10 mm/Zoom Scan 2 (7x7x7)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 60.0 V/m; Power Drift = 0.011 dB

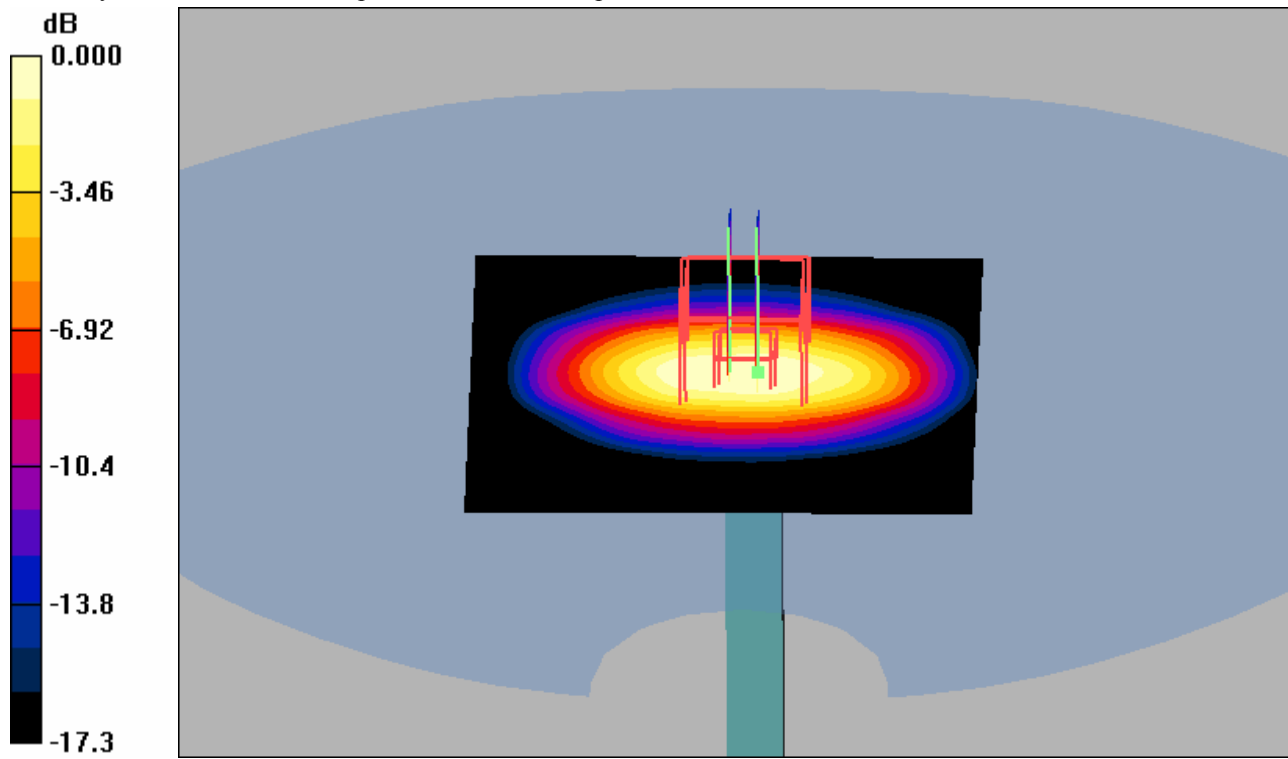
Peak SAR (extrapolated) = 7.08 W/kg

SAR(1 g) = 4.07 mW/g; SAR(10 g) = 2.15 mW/g

Maximum value of SAR (measured) = 4.61 mW/g

Procedure Notes: Pin: before 100.6 mW / after 102 mW

Humidity: 41.1 % Ambient Temp: 22 C Simulant Temp: 22.1 C



0 dB = 4.61mW/g

1900 MHz SAR Distribution of Validation Dipole Antenna



Prepared (also subject responsible if other) SEM/CV/PF/P Gerard Hayes and Rodney Dixon		No. REP 2008 003 W760a 02	
Approved SEM/CV/PF/P Gerard Hayes	Checked	11June2008	A

System Performance Check (Using head tissue).**Validation 1900Head 537_1335_30May08_T01**File Name: [Validation 1900Head 537_1335_30May08_T01.da4](#)

Phantom: SAM with CRP (High Band Head) Phantom section: Flat Section

Probe: ET3DV6 - SN1539 ConvF(4.78, 4.78, 4.78) Duty Cycle: 1:1 Frequency: 1900 MHz

Medium parameters used: $f = 1900$ MHz; $\sigma = 1.44$ mho/m; $\epsilon_r = 38.1$; $\rho = 1000$ kg/m³

Measurement Standard: DASY4 (High Precision Assessment)

Dipole at 10 mm/Area Scan (61x61x1):

Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 4.80 mW/g

Dipole at 10 mm/Zoom Scan (7x7x7)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 58.2 V/m; Power Drift = -0.009 dB

Peak SAR (extrapolated) = 6.87 W/kg

SAR(1 g) = 3.86 mW/g; SAR(10 g) = 2.01 mW/g

Maximum value of SAR (measured) = 4.39 mW/g

Dipole at 10 mm/Zoom Scan 2 (7x7x7)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 58.2 V/m; Power Drift = -0.009 dB

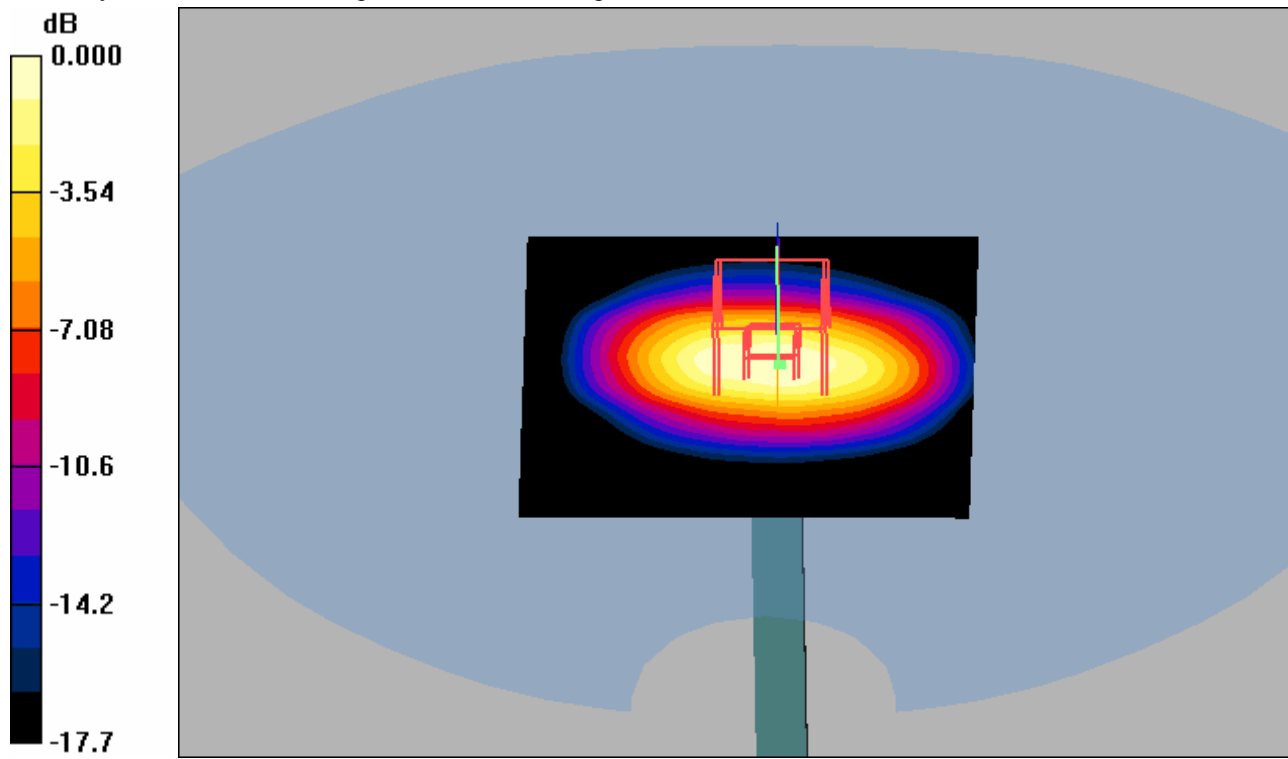
Peak SAR (extrapolated) = 7.05 W/kg

SAR(1 g) = 3.97 mW/g; SAR(10 g) = 2.06 mW/g

Maximum value of SAR (measured) = 4.52 mW/g

Procedure Notes: Pin: before 100.6 mW / after 102 mW

Humidity: 41.1 % Ambient Temp: 22 C Simulant Temp: 22.1 C



0 dB = 4.52mW/g

1900 MHz SAR Distribution of Validation Dipole Antenna



Prepared (also subject responsible if other) SEM/CV/PF/P Gerard Hayes and Rodney Dixon		No. REP 2008 003 W760a 02	
Approved SEM/CV/PF/P Gerard Hayes	Checked	11June2008	A

System Performance Check (Using head tissue).**Validation 1900Head 537_1335_02June08_T01**File Name: [Validation 1900Head 537_1335_02June08_T01.da4](#)

Phantom: SAM with CRP (High Band Head) Phantom section: Flat Section

Probe: ET3DV6 - SN1539ConvF(4.78, 4.78, 4.78) Duty Cycle: 1:1 Frequency: 1900 MHz

Medium parameters used: $f = 1900$ MHz; $\sigma = 1.44$ mho/m; $\epsilon_r = 38.3$; $\rho = 1000$ kg/m³

Measurement Standard: DASY4 (High Precision Assessment)

Dipole at 10 mm/Area Scan (61x61x1):

Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 5.20 mW/g

Dipole at 10 mm/Zoom Scan (7x7x7)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 60.2 V/m; Power Drift = 0.049 dB

Peak SAR (extrapolated) = 7.21 W/kg

SAR(1 g) = 4.13 mW/g; SAR(10 g) = 2.17 mW/g

Maximum value of SAR (measured) = 4.66 mW/g

Dipole at 10 mm/Zoom Scan 2 (7x7x7)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 60.2 V/m; Power Drift = 0.049 dB

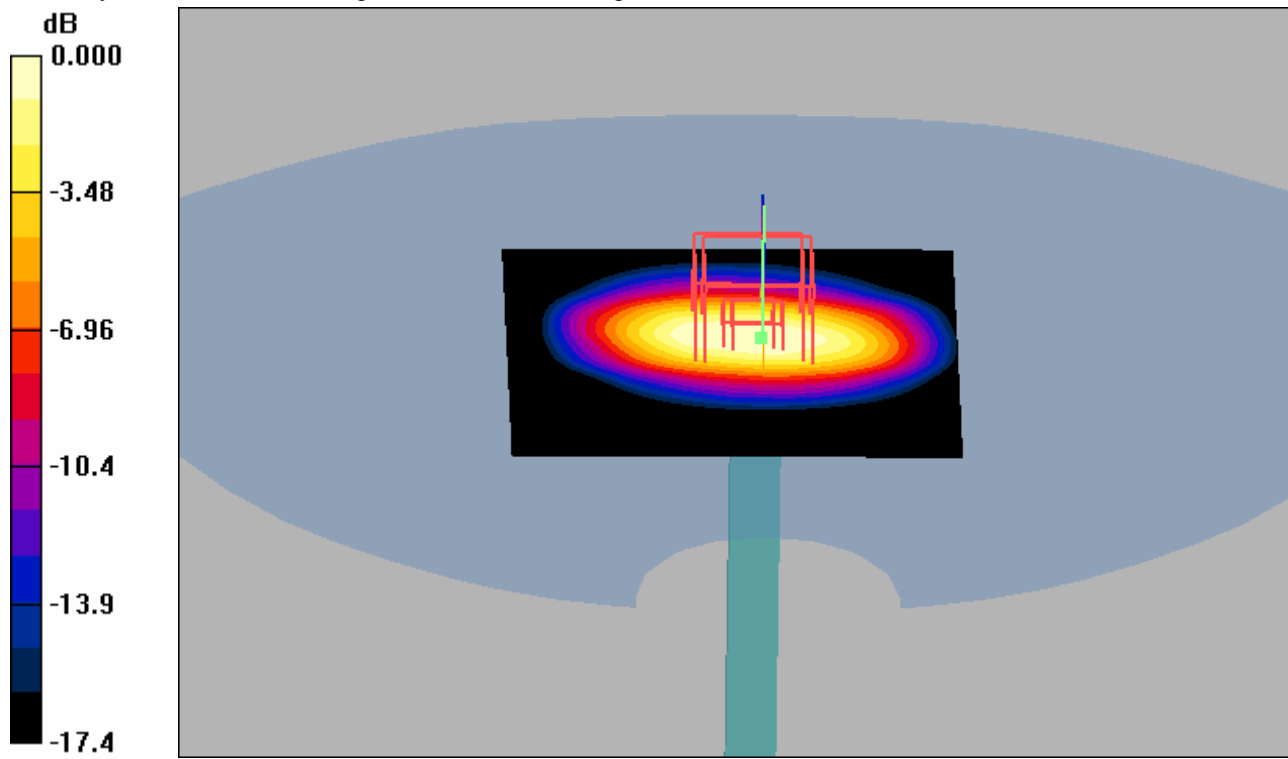
Peak SAR (extrapolated) = 7.04 W/kg

SAR(1 g) = 4.05 mW/g; SAR(10 g) = 2.13 mW/g

Maximum value of SAR (measured) = 4.60 mW/g

Procedure Notes: Pin: before 100.6 mW / after 101.4 mW

Humidity: 55.3 % Ambient Temp: 21.1 C Simulant Temp: 21.4 C



0 dB = 4.60mW/g

1900 MHz SAR Distribution of Validation Dipole Antenna



Prepared (also subject responsible if other) SEM/CV/PF/P Gerard Hayes and Rodney Dixon		No. REP 2008 003 W760a 02	
Approved SEM/CV/PF/P Gerard Hayes	Checked	11June2008	A

System Performance Check (Using body tissue).**Validation 1900Body 537_1020_28May08_T01**File Name: [Validation 1900Body 537_1020_28May08_T01.da4](#)

Phantom: SAM with CRP (High Band Body) Phantom section: Flat Section

Probe: ET3DV6 - SN1587ConvF(4.7, 4.7, 4.7) Duty Cycle: 1:1 Frequency: 1900 MHz

Medium parameters used: $f = 1900$ MHz; $\sigma = 1.53$ mho/m; $\epsilon_r = 51$; $\rho = 1000$ kg/m³

Measurement Standard: DASY4 (High Precision Assessment)

Dipole at 10 mm/Area Scan (61x61x1):

Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 5.26 mW/g

Dipole at 10 mm/Zoom Scan (7x7x7)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 50.4 V/m; Power Drift = 0.022 dB

Peak SAR (extrapolated) = 8.38 W/kg

SAR(1 g) = 4.41 mW/g; SAR(10 g) = 2.29 mW/g

Maximum value of SAR (measured) = 4.87 mW/g

Dipole at 10 mm/Zoom Scan 2 (7x7x7)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 50.4 V/m; Power Drift = 0.022 dB

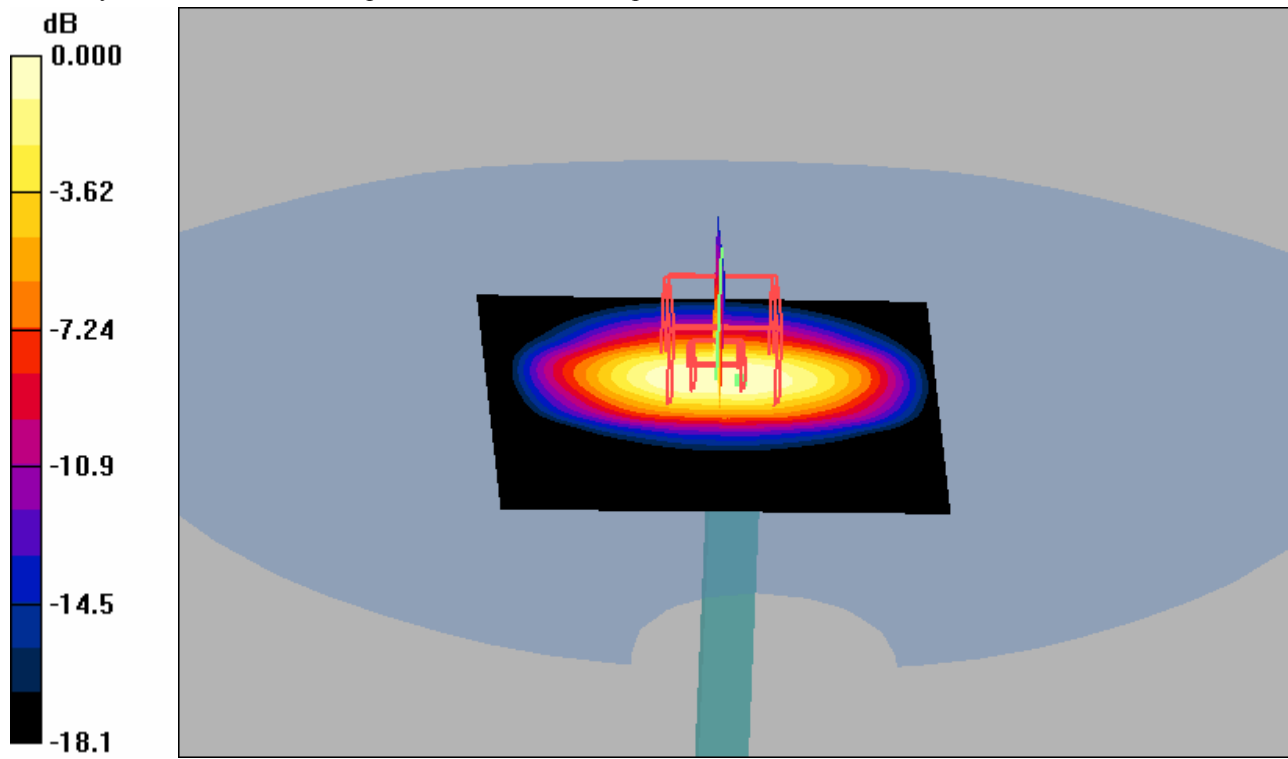
Peak SAR (extrapolated) = 8.21 W/kg

SAR(1 g) = 4.32 mW/g; SAR(10 g) = 2.24 mW/g

Maximum value of SAR (measured) = 4.84 mW/g

Procedure Notes: Pin: before 100.8 mW / after 100 mW

Humidity - 59.1 % Ambient Temp - 22.6 C Simulant Temp - 22.5 C



0 dB = 4.84mW/g

1900 MHz SAR Distribution of Validation Dipole Antenna



Prepared (also subject responsible if other) SEM/CV/PF/P Gerard Hayes and Rodney Dixon		No. REP 2008 003 W760a 02	
Approved SEM/CV/PF/P Gerard Hayes	Checked	11June2008	A

System Performance Check (Using body tissue).**Validation 1900Body 537_1020_29May08_T01**File Name: [Validation 1900Body 537_1020_29May08_T01.da4](#)

Phantom: SAM with CRP (High Band Body) Phantom section: Flat Section

Probe: ET3DV6 - SN1587ConvF(4.7, 4.7, 4.7) Duty Cycle: 1:1 Frequency: 1900 MHz

Medium parameters used: $f = 1900$ MHz; $\sigma = 1.55$ mho/m; $\epsilon_r = 50.8$; $\rho = 1000$ kg/m³

Measurement Standard: DASY4 (High Precision Assessment)

Dipole at 10 mm/Area Scan (61x61x1):

Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 5.08 mW/g

Dipole at 10 mm/Zoom Scan (7x7x7)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 47.6 V/m; Power Drift = -0.012 dB

Peak SAR (extrapolated) = 8.46 W/kg

SAR(1 g) = 4.44 mW/g; SAR(10 g) = 2.31 mW/g

Maximum value of SAR (measured) = 4.95 mW/g

Dipole at 10 mm/Zoom Scan 2 (7x7x7)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 47.6 V/m; Power Drift = -0.012 dB

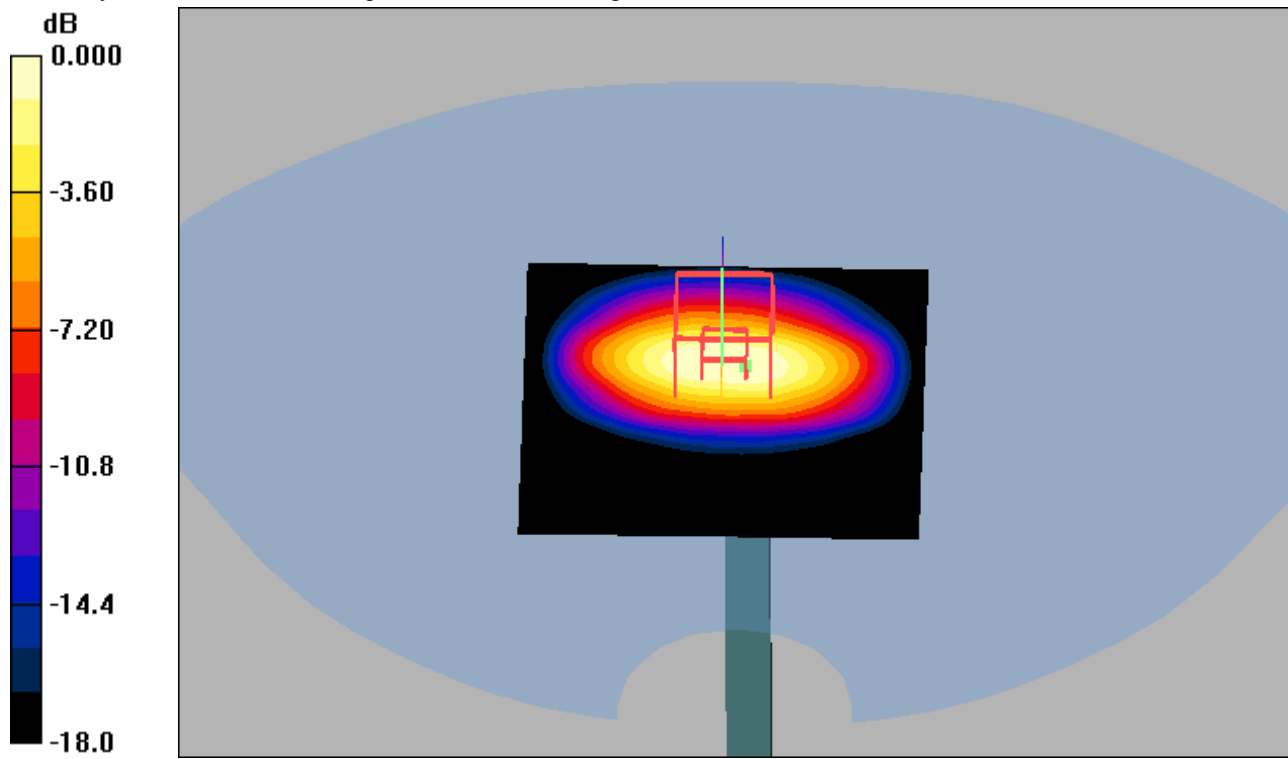
Peak SAR (extrapolated) = 8.34 W/kg

SAR(1 g) = 4.38 mW/g; SAR(10 g) = 2.27 mW/g

Maximum value of SAR (measured) = 4.92 mW/g

Procedure Notes: Pin: before 100.5 mW / after 100.8 mW

Humidity - 41.1 % Ambient Temp - 22 C Simulant Temp - 22.1 C



0 dB = 4.92mW/g

Appendix 2

Exhibit 11

APPLICANT: Sony Ericsson Mobile Communications Inc.

FCC ID: **PY7A3252041**



Sony Ericsson

REPORT

38(102)

Prepared (also subject responsible if other) SEM/CV/PF/P Gerard Hayes and Rodney Dixon		No. REP 2008 003 W760a 02	
Approved SEM/CV/PF/P Gerard Hayes	Checked	11June2008	A

SAR distribution plots for Phantom Head Adjacent Use



Prepared (also subject responsible if other) SEM/CV/PF/P Gerard Hayes and Rodney Dixon		No. REP 2008 003 W760a 02	
Approved SEM/CV/PF/P Gerard Hayes	Checked	11June2008	A

800 GSM Band: SAR Distribution and Extrapolation of Maximum SAR**Model: W760a with Standard Battery: BST-38, Right Check Position.**

Date/Time: 5/28/2008 11:05:36 AM

File Name: [28May08_W760a_GSM850_0PUQ_RC01.da4](#)**DUT: W760a closed**

Phantom: SAM with CRP (Low Band Head) Phantom section: Right Section

Probe: ET3DV6 - SN1584 ConvF(6.7, 6.7, 6.7)

Medium parameters used (interpolated): $f = 849$ MHz; $\sigma = 0.923$ mho/m; $\epsilon_r = 41.3$; $\rho = 1000$ kg/m³

Measurement Standard: DASY4 (High Precision Assessment)

Program Notes: Battery BST-38 Humidity - 49.2 % Ambient Temp - 22.5 C Simulant Temp - 22.5 C

DASY4 Configuration:

- Probe: ET3DV6 - SN1584; ConvF(6.7, 6.7, 6.7); Calibrated: 11/19/2007

- Sensor-Surface: 4mm (Mechanical Surface Detection)

- Electronics: DAE3 Sn345; Calibrated: 11/9/2007

- Phantom: SAM with CRP (Low Band Head); Type: SAM; Serial: 1251

- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Unnamed procedure 3/Area Scan (51x81x1):

Measurement grid: dx=15mm, dy=15mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.346 mW/g

Unnamed procedure 3/Zoom Scan (7x7x7)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 8.94 V/m; Power Drift = -0.022 dB

Peak SAR (extrapolated) = 0.492 W/kg

SAR(1 g) = 0.329 mW/g; SAR(10 g) = 0.214 mW/g[Info: Interpolated medium parameters used for SAR evaluation.](#)

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

Unnamed procedure 3/Zoom Scan (31x31x36)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 8.94 V/m; Power Drift = -0.022 dB

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.492 mW/g

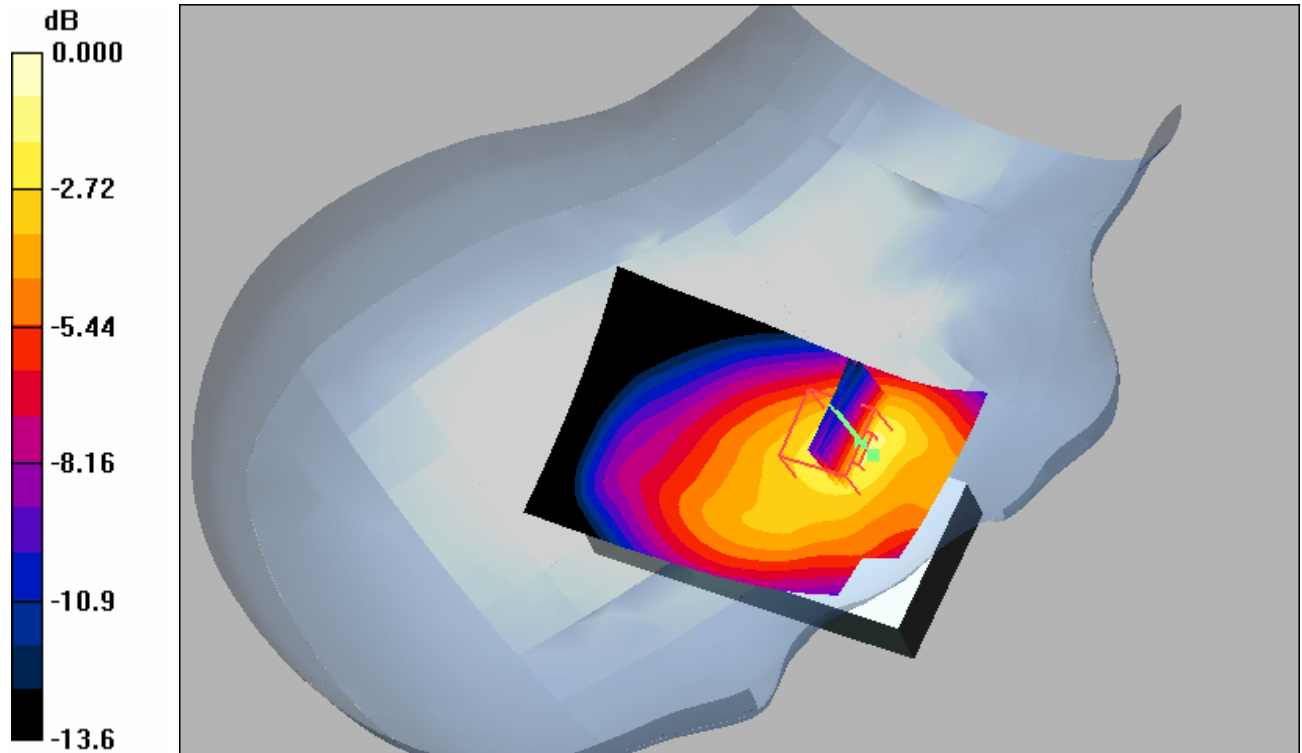


Sony Ericsson

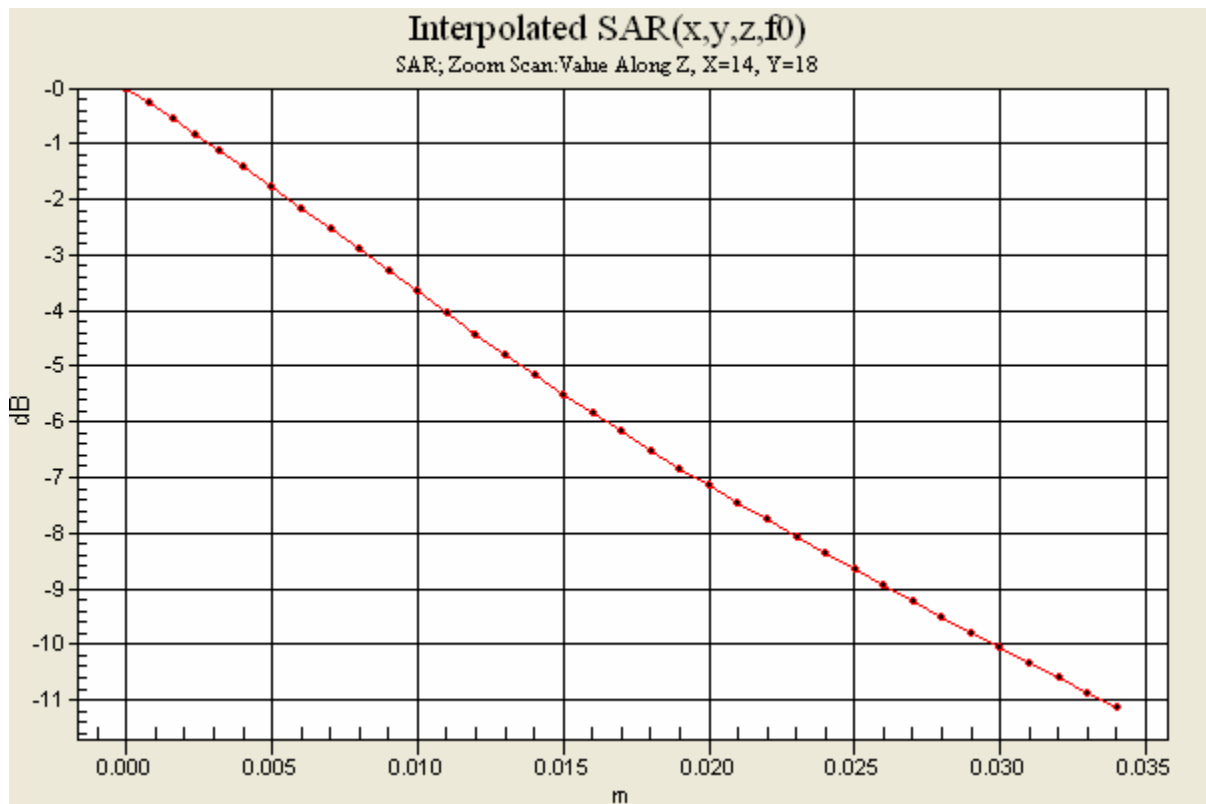
REPORT

40(102)

Prepared (also subject responsible if other) SEM/CV/PF/P Gerard Hayes and Rodney Dixon		No. REP 2008 003 W760a 02	
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0 dB = 0.492mW/g





Sony Ericsson

REPORT

41(102)

Prepared (also subject responsible if other) SEM/CV/PF/P Gerard Hayes and Rodney Dixon		No. REP 2008 003 W760a 02	
Approved SEM/CV/PF/P Gerard Hayes	Checked	11June2008	A

1900 GSM Band: Distribution and Extrapolation of Maximum SAR**Model: W760a with Standard Battery: BST-38, Left Cheek Position.**

Date/Time: 5/27/2008 8:24:17 AM

File Name: [27May08_W760a_GSM1900_0QKX_LC01.da4](#)**DUT: W760a closed**

Phantom: SAM with CRP (High Band Head)Phantom section: Left Section

Probe: ET3DV6 - SN1584ConvF(5.13, 5.13, 5.13)

Medium parameters used (interpolated): $f = 1850.2$ MHz; $\sigma = 1.42$ mho/m; $\epsilon_r = 38.8$; $\rho = 1000$ kg/m³

Measurement Standard: DASY4 (High Precision Assessment)

Program Notes: Battery - BST-38 Humidity: 48.2% Ambient Temp: 22.1 C Simulant Temp: 22.4 C

DASY4 Configuration:

- Probe: ET3DV6 - SN1584; ConvF(5.13, 5.13, 5.13); Calibrated: 11/19/2007

- Sensor-Surface: 4mm (Mechanical Surface Detection)

- Electronics: DAE3 Sn345; Calibrated: 11/9/2007

- Phantom: SAM with CRP (High Band Head); Type: SAM; Serial: TP: 1054

- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Unnamed procedure/Area Scan (51x81x1):

Measurement grid: dx=15mm, dy=15mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.514 mW/g

Unnamed procedure/Zoom Scan (7x7x7)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 9.56 V/m; Power Drift = -0.118 dB

Peak SAR (extrapolated) = 0.628 W/kg

SAR(1 g) = 0.442 mW/g; SAR(10 g) = 0.274 mW/g[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.479 mW/g

Unnamed procedure/Zoom Scan (31x31x36)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 9.56 V/m; Power Drift = -0.118 dB

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.628 mW/g

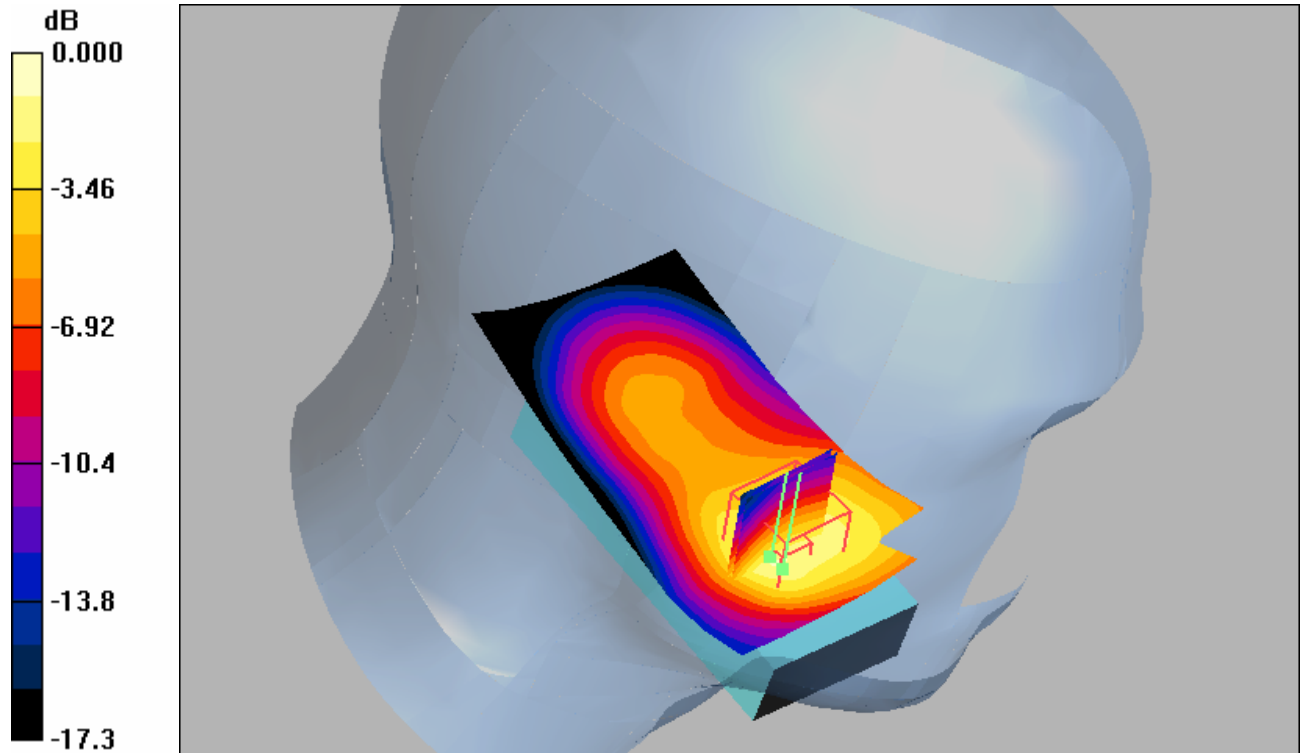


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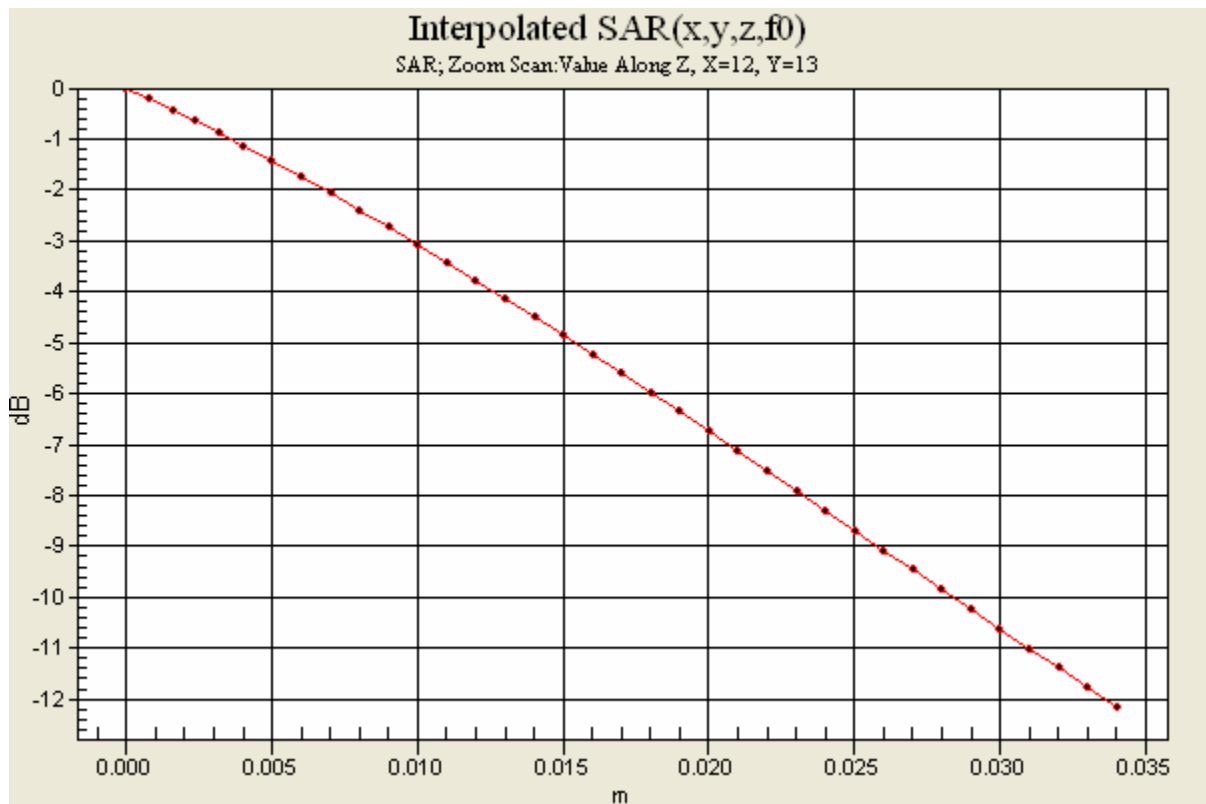
REPORT

42(102)

Prepared (also subject responsible if other) SEM/CV/PF/P Gerard Hayes and Rodney Dixon		No. REP 2008 003 W760a 02	
Approved SEM/CV/PF/P Gerard Hayes	Checked	11June2008	A



0 dB = 0.628mW/g





Prepared (also subject responsible if other) SEM/CV/PF/P Gerard Hayes and Rodney Dixon		No. REP 2008 003 W760a 02	
Approved SEM/CV/PF/P Gerard Hayes	Checked	11June2008	A

Band II WCDMA Band: Distribution and Extrapolation of Maximum SAR**Model: W760a with Standard Battery: BST-38, Right Cheek Position.**

Date/Time: 5/28/2008 10:06:37 AM

File Name: [28May08_W760a_B2WCDMA_0QLM_RC01.da4](#)**DUT: W760a closed**

Phantom: SAM with CRP (High Band Head) Phantom section: Right Section

Probe: ET3DV6 - SN1539 ConvF(4.78, 4.78, 4.78)

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.42$ mho/m; $\epsilon_r = 38.1$; $\rho = 1000$ kg/m³

Measurement Standard: DASY4 (High Precision Assessment)

Program Notes: Battery - BST38 Humidity - 50.7 % Ambient Temp - 22.5 C Simulant Temp - 22.5 C

DASY4 Configuration:

- Probe: ET3DV6 - SN1539; ConvF(4.78, 4.78, 4.78); Calibrated: 11/19/2007

- Sensor-Surface: 4mm (Mechanical Surface Detection)

- Electronics: DAE3 Sn415; Calibrated: 11/12/2007

- Phantom: SAM with CRP (High Band Head); Type: SAM; Serial: TP: 1335

- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Unnamed procedure 2/Area Scan (51x81x1):

Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.721 mW/g

Unnamed procedure 2/Zoom Scan (7x7x7)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 11.9 V/m; Power Drift = -0.099 dB

Peak SAR (extrapolated) = 1.09 W/kg

SAR(1 g) = 0.664 mW/g; SAR(10 g) = 0.387 mW/g

Maximum value of SAR (measured) = 0.734 mW/g

Unnamed procedure 2/Zoom Scan (31x31x36)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 11.9 V/m; Power Drift = -0.099 dB

Maximum value of SAR (interpolated) = 1.09 mW/g

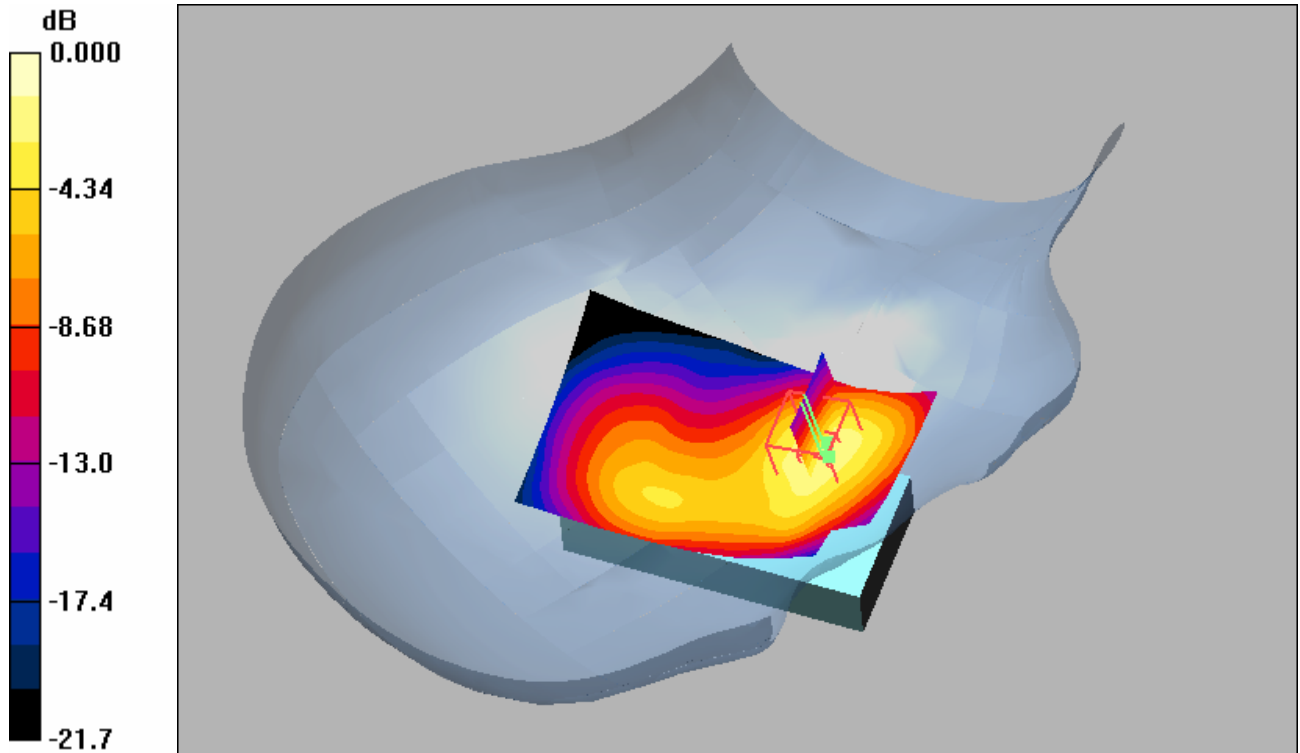


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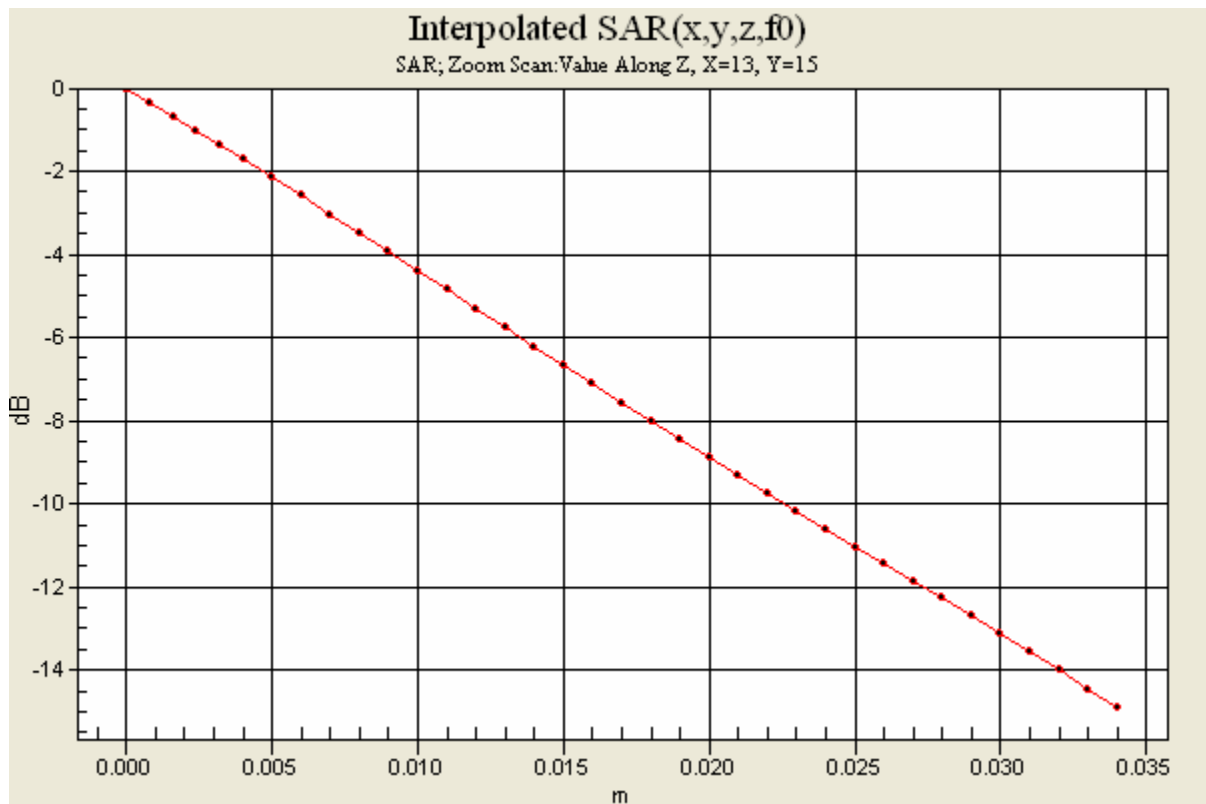
REPORT

44(102)

Prepared (also subject responsible if other) SEM/CV/PF/P Gerard Hayes and Rodney Dixon		No. REP 2008 003 W760a 02	
Approved SEM/CV/PF/P Gerard Hayes	Checked	11June2008	A



0 dB = 1.09mW/g





Prepared (also subject responsible if other) SEM/CV/PF/P Gerard Hayes and Rodney Dixon		No. REP 2008 003 W760a 02	
Approved SEM/CV/PF/P Gerard Hayes	Checked	11June2008	A

Band II WCDMA Band: Distribution and Extrapolation of Maximum SAR**Model: W760a with Standard Battery: BST-38, Right Tilt Position.**

Date/Time: 5/28/2008 10:48:07 AM

File Name: [28May08_W760a_B2WCDMA_0QLM_RT01.da4](#)**DUT: W760a closed**

Phantom: SAM with CRP (High Band Head) Phantom section: Right Section

Probe: ET3DV6 - SN1539 ConvF(4.78, 4.78, 4.78)

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.42$ mho/m; $\epsilon_r = 38.1$; $\rho = 1000$ kg/m³

Measurement Standard: DASY4 (High Precision Assessment)

Program Notes: Battery - BST38 Humidity - 50.7 % Ambient Temp - 22.5 C Simulant Temp - 22.5 C

DASY4 Configuration:

- Probe: ET3DV6 - SN1539; ConvF(4.78, 4.78, 4.78); Calibrated: 11/19/2007

- Sensor-Surface: 4mm (Mechanical Surface Detection)

- Electronics: DAE3 Sn415; Calibrated: 11/12/2007

- Phantom: SAM with CRP (High Band Head); Type: SAM; Serial: TP: 1335

- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Unnamed procedure 2/Area Scan (51x81x1):

Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.399 mW/g

Unnamed procedure 2/Zoom Scan (7x7x7)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 16.2 V/m; Power Drift = 0.003 dB

Peak SAR (extrapolated) = 0.519 W/kg

SAR(1 g) = 0.349 mW/g; SAR(10 g) = 0.213 mW/g

Maximum value of SAR (measured) = 0.382 mW/g

Unnamed procedure 2/Zoom Scan (31x31x36)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 16.2 V/m; Power Drift = 0.003 dB

Maximum value of SAR (interpolated) = 0.519 mW/g

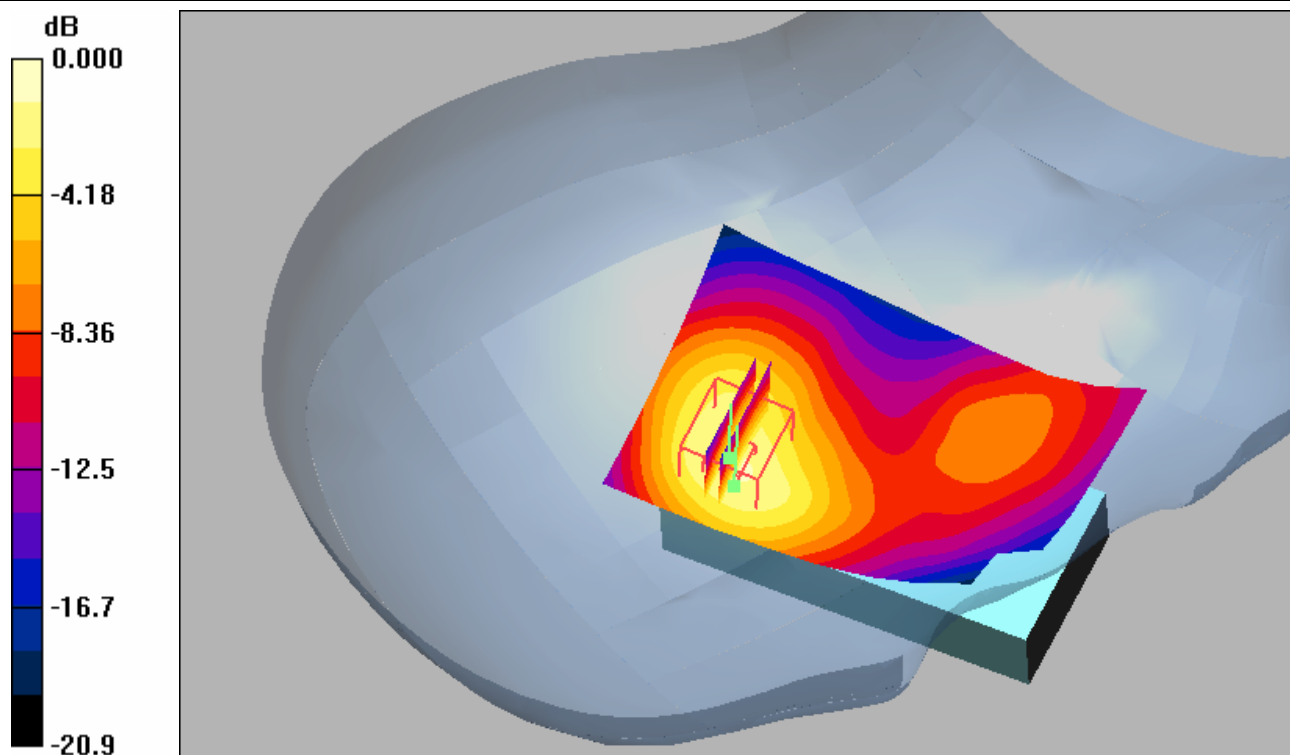


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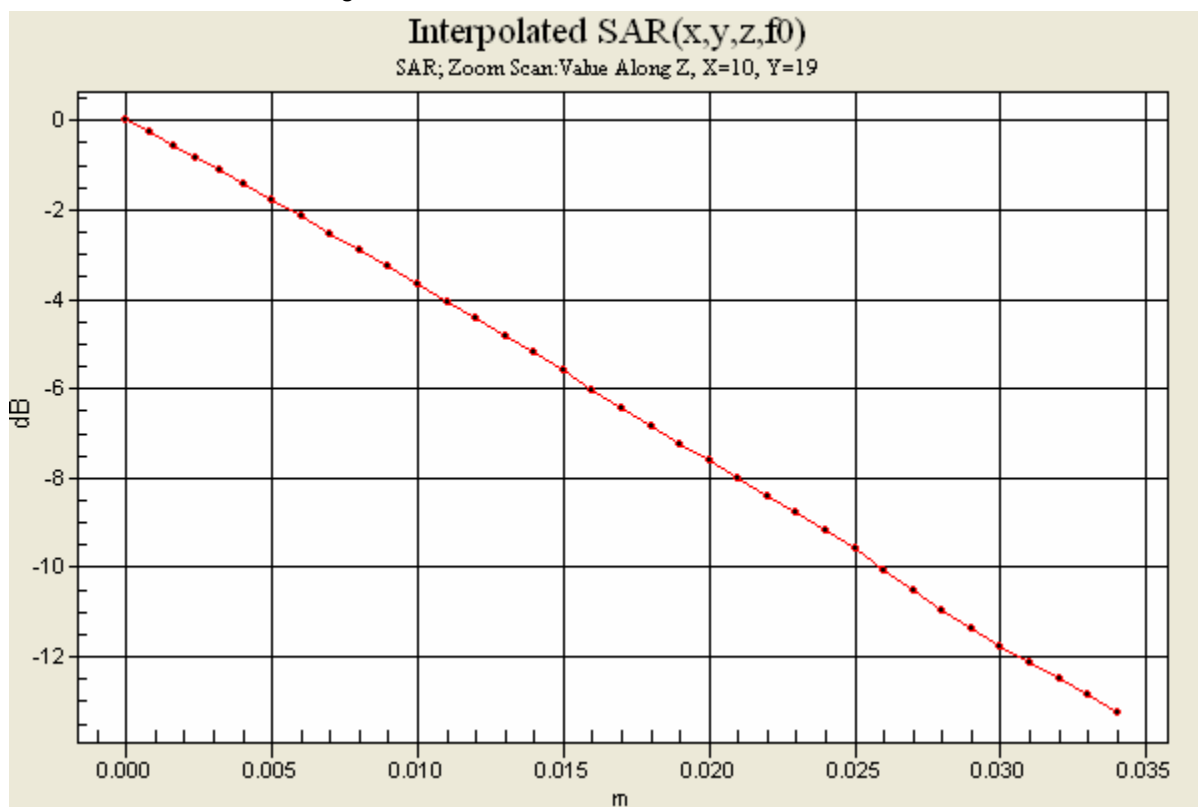
REPORT

46(102)

Prepared (also subject responsible if other) SEM/CV/PF/P Gerard Hayes and Rodney Dixon		No. REP 2008 003 W760a 02	
Approved SEM/CV/PF/P Gerard Hayes	Checked	11June2008	A



0 dB = 0.519mW/g



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REPORT

47(102)

Prepared (also subject responsible if other) SEM/CV/PF/P Gerard Hayes and Rodney Dixon		No. REP 2008 003 W760a 02	
Approved SEM/CV/PF/P Gerard Hayes	Checked	11June2008	A

Band II WCDMA Band: Distribution and Extrapolation of Maximum SAR**Model: W760a with Standard Battery: BST-38, Left Cheek Position.**

Date/Time: 5/28/2008 8:01:54 AM

File Name: [28May08_W760a_B2WCDMA_0QLM_LC01.da4](#)**DUT: W760a closed**

Phantom: SAM with CRP (High Band Head) Phantom section: Left Section

Probe: ET3DV6 - SN1539 ConvF(4.78, 4.78, 4.78)

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.42$ mho/m; $\epsilon_r = 38.1$; $\rho = 1000$ kg/m³

Measurement Standard: DASY4 (High Precision Assessment)

Program Notes: Battery - BST38 Humidity - 59.1 % Ambient Temp - 22.6 C Simulant Temp - 22.5 C

DASY4 Configuration:

- Probe: ET3DV6 - SN1539; ConvF(4.78, 4.78, 4.78); Calibrated: 11/19/2007

- Sensor-Surface: 4mm (Mechanical Surface Detection)

- Electronics: DAE3 Sn415; Calibrated: 11/12/2007

- Phantom: SAM with CRP (High Band Head); Type: SAM; Serial: TP: 1335

- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Unnamed procedure 2/Area Scan (51x81x1):

Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.820 mW/g

Unnamed procedure 2/Zoom Scan (7x7x7)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 13.3 V/m; Power Drift = 0.011 dB

Peak SAR (extrapolated) = 1.02 W/kg

SAR(1 g) = 0.747 mW/g; SAR(10 g) = 0.468 mW/g

Maximum value of SAR (measured) = 0.812 mW/g

Unnamed procedure 2/Zoom Scan (31x31x36)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 13.3 V/m; Power Drift = 0.011 dB

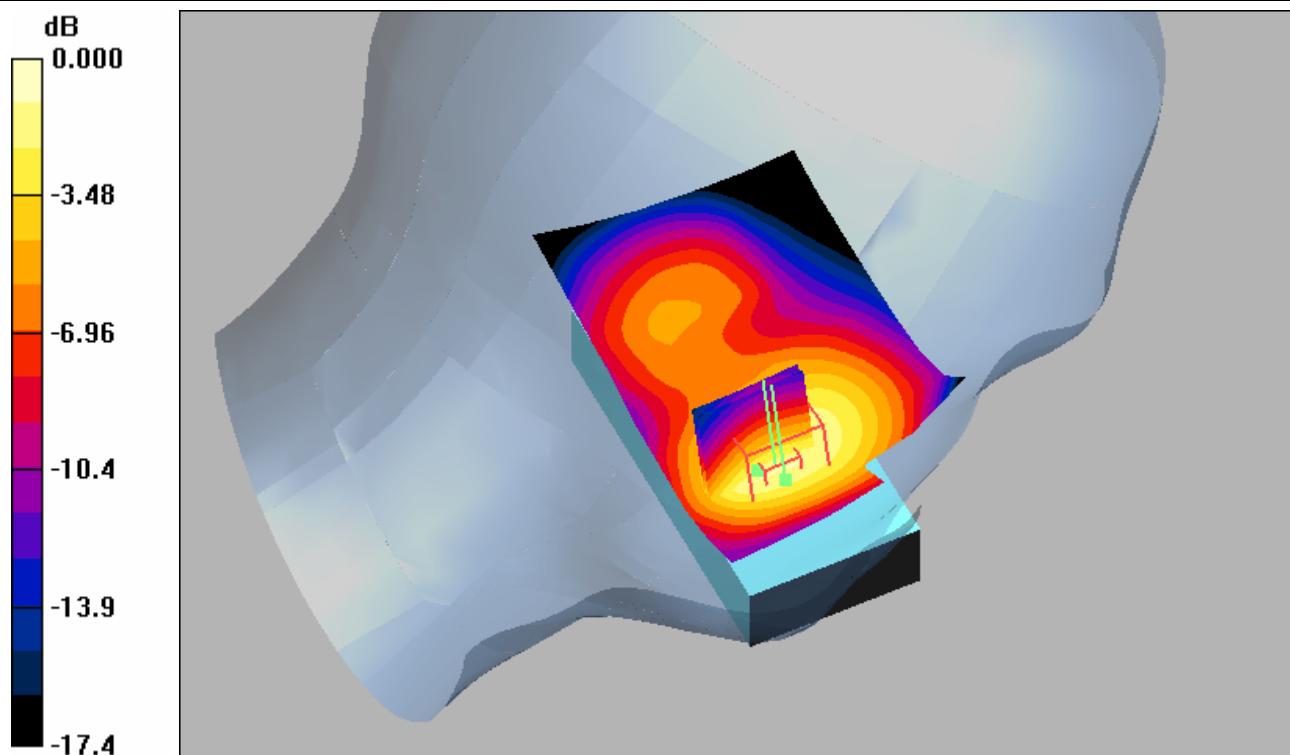
Maximum value of SAR (interpolated) = 1.02 mW/g

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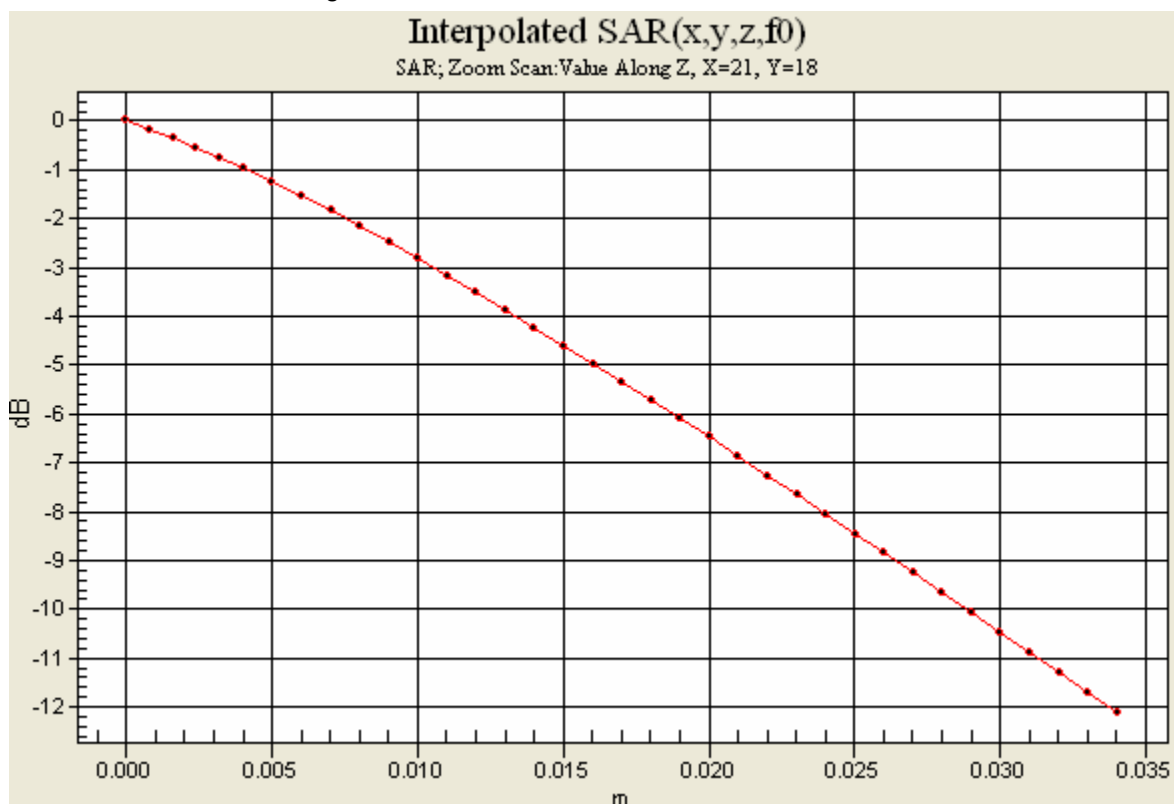
REPORT

48(102)

Prepared (also subject responsible if other) SEM/CV/PF/P Gerard Hayes and Rodney Dixon		No. REP 2008 003 W760a 02	
Approved SEM/CV/PF/P Gerard Hayes	Checked	11June2008	A



0 dB = 1.02mW/g





Prepared (also subject responsible if other) SEM/CV/PF/P Gerard Hayes and Rodney Dixon		No. REP 2008 003 W760a 02	
Approved SEM/CV/PF/P Gerard Hayes	Checked	11June2008	A

Band II WCDMA Band: Distribution and Extrapolation of Maximum SAR**Model: W760a with Standard Battery: BST-38, Left Tilt Position.**

Date/Time: 5/28/2008 8:47:24 AM

File Name: [28May08_W760a_B2WCDMA_0QLM_LT01.da4](#)**DUT: W760a closed**

Phantom: SAM with CRP (High Band Head) Phantom section: Left Section

Probe: ET3DV6 - SN1539 ConvF(4.78, 4.78, 4.78)

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.42$ mho/m; $\epsilon_r = 38.1$; $\rho = 1000$ kg/m³

Measurement Standard: DASY4 (High Precision Assessment)

Program Notes: Battery - BST38 Humidity - 59.1 % Ambient Temp - 22.6 C Simulant Temp - 22.5 C

DASY4 Configuration:

- Probe: ET3DV6 - SN1539; ConvF(4.78, 4.78, 4.78); Calibrated: 11/19/2007

- Sensor-Surface: 4mm (Mechanical Surface Detection)

- Electronics: DAE3 Sn415; Calibrated: 11/12/2007

- Phantom: SAM with CRP (High Band Head); Type: SAM; Serial: TP: 1335

- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Unnamed procedure 2/Area Scan (51x81x1):

Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.393 mW/g

Unnamed procedure 2/Zoom Scan (7x7x7)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 17.4 V/m; Power Drift = 0.019 dB

Peak SAR (extrapolated) = 0.514 W/kg

SAR(1 g) = 0.345 mW/g; SAR(10 g) = 0.209 mW/g

Maximum value of SAR (measured) = 0.379 mW/g

Unnamed procedure 2/Zoom Scan (31x31x36)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 17.4 V/m; Power Drift = 0.019 dB

Maximum value of SAR (interpolated) = 0.514 mW/g

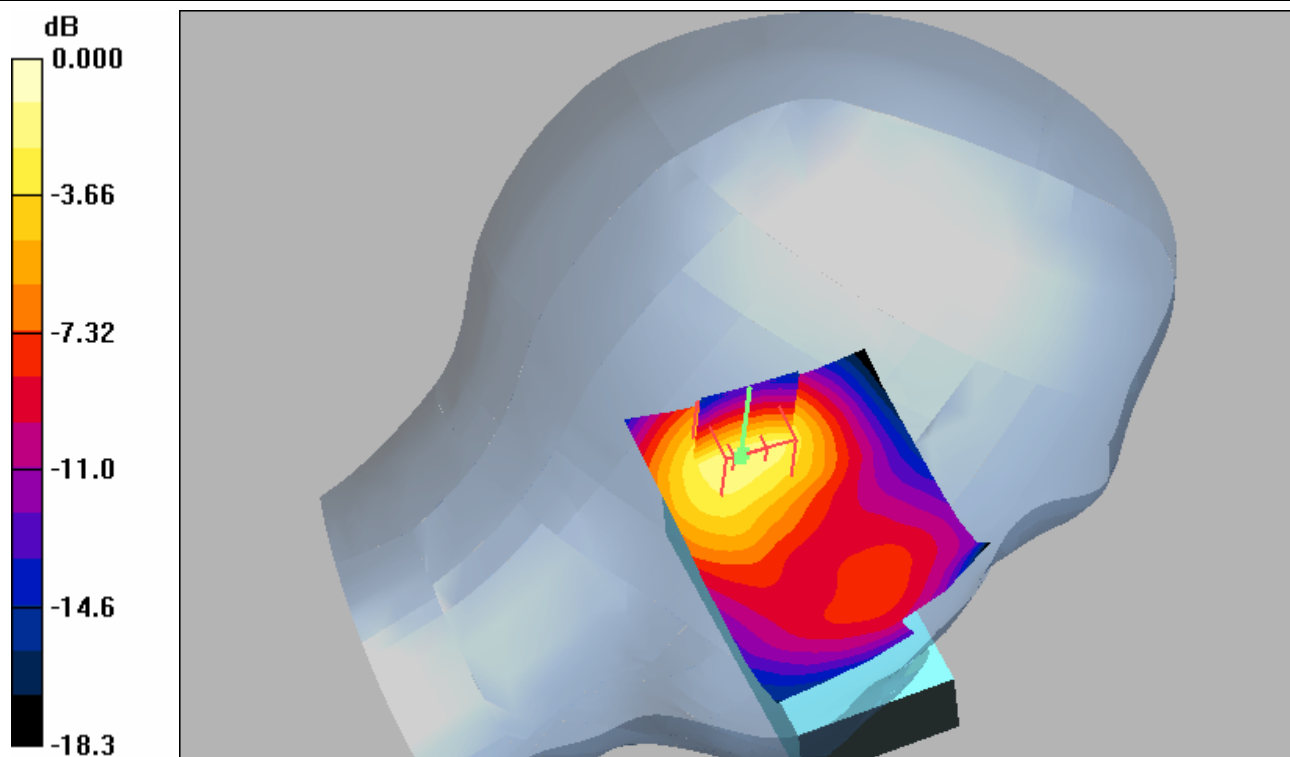


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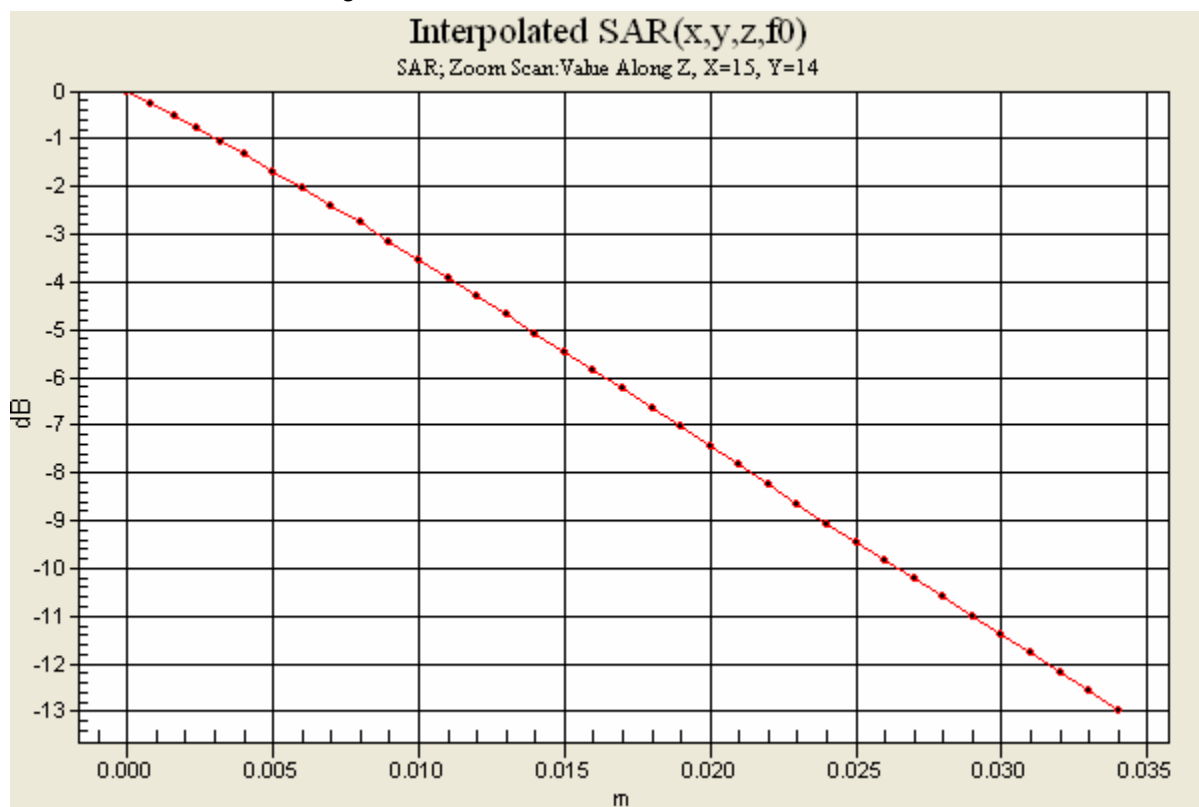
REPORT

50(102)

Prepared (also subject responsible if other) SEM/CV/PF/P Gerard Hayes and Rodney Dixon		No. REP 2008 003 W760a 02	
Approved SEM/CV/PF/P Gerard Hayes	Checked	11June2008	A



0 dB = 0.514mW/g





Prepared (also subject responsible if other) SEM/CV/PF/P Gerard Hayes and Rodney Dixon		No. REP 2008 003 W760a 02	
Approved SEM/CV/PF/P Gerard Hayes	Checked	11June2008	A

Band V WCDMA Band: Distribution and Extrapolation of Maximum SAR**Model: W760a with Standard Battery: BST-38, Right Cheek Position.**

Date/Time: 6/4/2008 7:52:29 AM

File Name: [04June08_W760a_B5WCDMA_0QKF_RC01.da4](#)**DUT: W760a closed**

Phantom: SAM with CRP (Low Band Head) Phantom section: Right Section

Probe: ET3DV6 - SN1586 ConvF(6.63, 6.63, 6.63)

Medium parameters used (interpolated): $f = 846.4$ MHz; $\sigma = 0.918$ mho/m; $\epsilon_r = 40.7$; $\rho = 1000$ kg/m³

Measurement Standard: DASY4 (High Precision Assessment)

Program Notes: Battery BST-38 Humidity: 50.3 % Ambient Temp: 21.7 C Simulant Temp: 21.6 C

DASY4 Configuration:

- Probe: ET3DV6 - SN1586; ConvF(6.63, 6.63, 6.63); Calibrated: 5/23/2007

- Sensor-Surface: 4mm (Mechanical Surface Detection)

- Electronics: DAE3 Sn432; Calibrated: 5/13/2008

- Phantom: SAM with CRP (Low Band Head); Type: SAM; Serial: 1251

- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Unnamed procedure 3/Area Scan (51x81x1):

Measurement grid: dx=15mm, dy=15mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.383 mW/g

Unnamed procedure 3/Zoom Scan (7x7x7)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 8.58 V/m; Power Drift = -0.047 dB

Peak SAR (extrapolated) = 0.562 W/kg

SAR(1 g) = 0.359 mW/g; SAR(10 g) = 0.232 mW/g[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.398 mW/g

Unnamed procedure 3/Zoom Scan (31x31x36)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 8.58 V/m; Power Drift = -0.047 dB

[Info: Interpolated medium parameters used for SAR evaluation.](#)

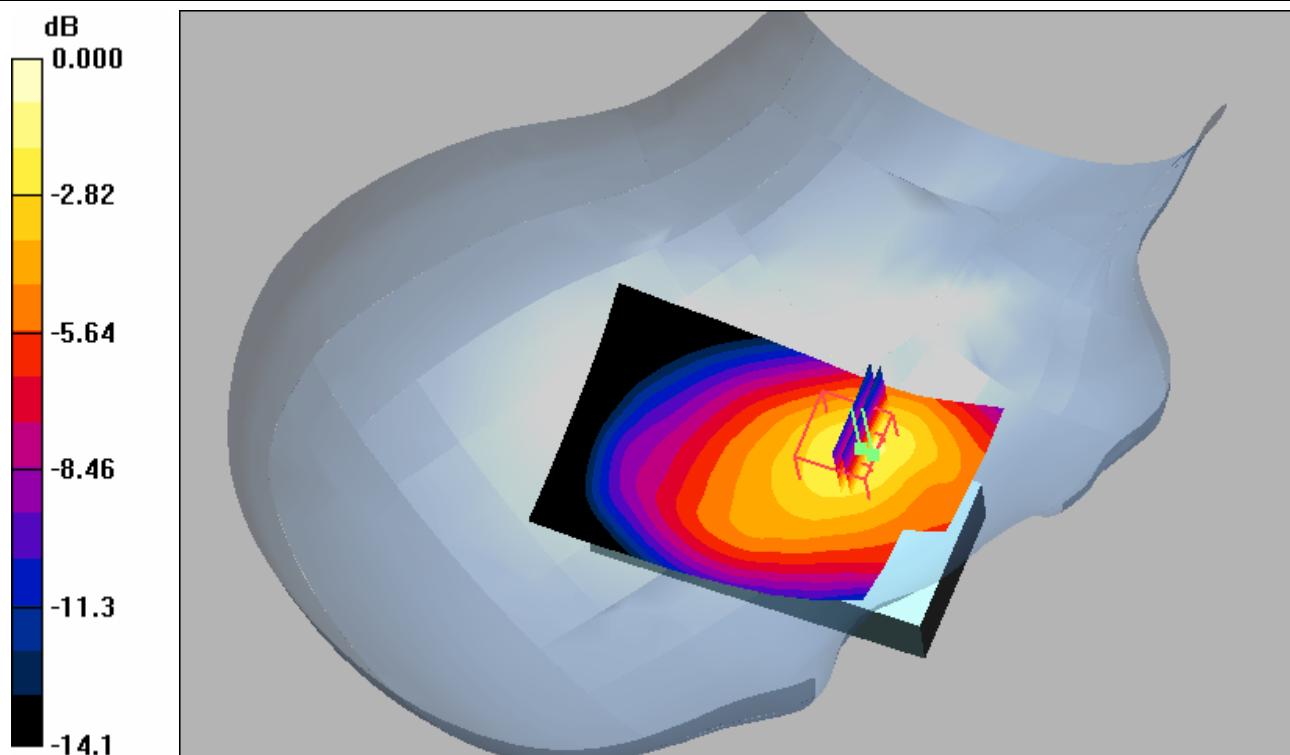
Maximum value of SAR (interpolated) = 0.562 mW/g

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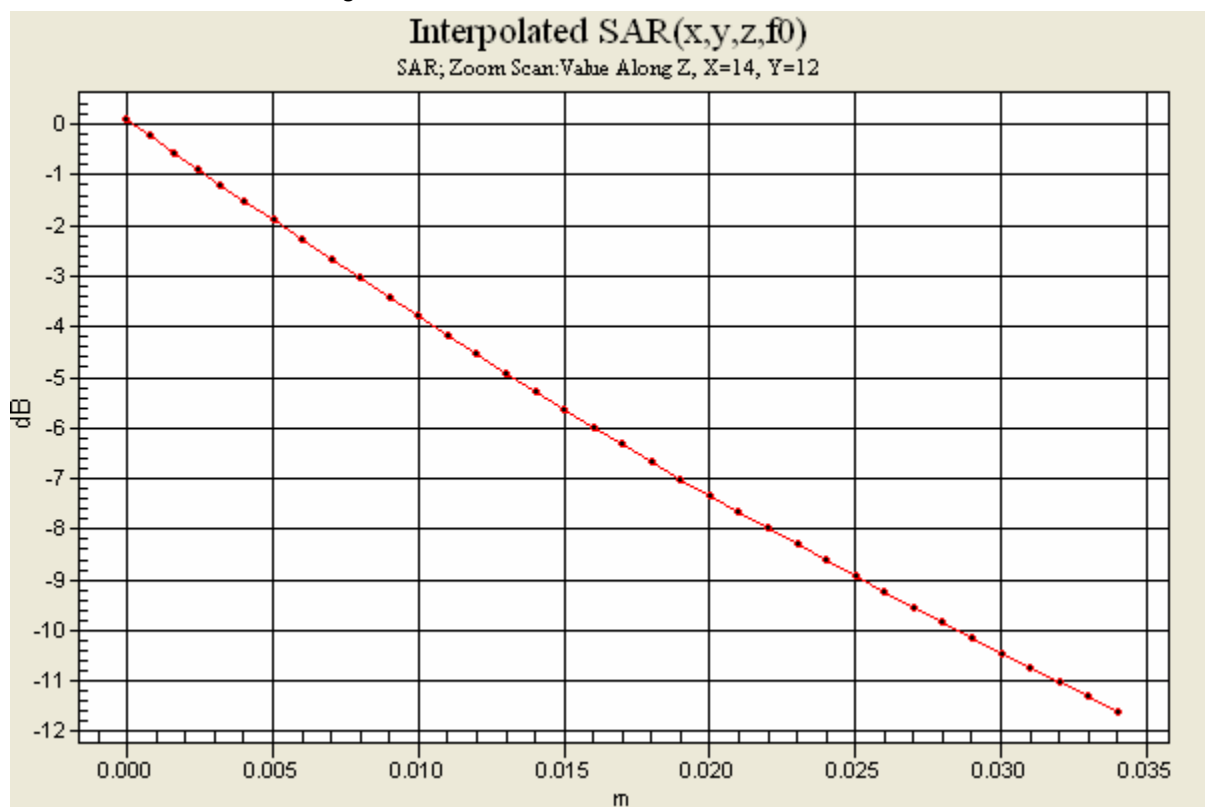
REPORT

52(102)

Prepared (also subject responsible if other) SEM/CV/PF/P Gerard Hayes and Rodney Dixon		No. REP 2008 003 W760a 02	
Approved SEM/CV/PF/P Gerard Hayes	Checked	11June2008	A



0 dB = 0.562mW/g





Prepared (also subject responsible if other) SEM/CV/PF/P Gerard Hayes and Rodney Dixon		No. REP 2008 003 W760a 02	
Approved SEM/CV/PF/P Gerard Hayes	Checked	11June2008	A

Band V WCDMA Band: Distribution and Extrapolation of Maximum SAR**Model: W760a with Standard Battery: BST-38, Left Cheek Position.**

Date/Time: 6/4/2008 8:43:03 AM

File Name: [04June08_W760a_B5WCDMA_0QKF_LC01.da4](#)**DUT: W760a closed**

Phantom: SAM with CRP (Low Band Head) Phantom section: Left Section

Probe: ET3DV6 - SN1586 ConvF(6.63, 6.63, 6.63)

Medium parameters used (interpolated): $f = 826.6$ MHz; $\sigma = 0.899$ mho/m; $\epsilon_r = 40.9$; $\rho = 1000$ kg/m³

Measurement Standard: DASY4 (High Precision Assessment)

Program Notes: Battery BST-38 Humidity: 50 % Ambient Temp: 21.9 C Simulant Temp: 21.7 C

DASY4 Configuration:

- Probe: ET3DV6 - SN1586; ConvF(6.63, 6.63, 6.63); Calibrated: 5/23/2007

- Sensor-Surface: 4mm (Mechanical Surface Detection)

- Electronics: DAE3 Sn432; Calibrated: 5/13/2008

- Phantom: SAM with CRP (Low Band Head); Type: SAM; Serial: 1251

- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Unnamed procedure/Area Scan (51x81x1):

Measurement grid: dx=15mm, dy=15mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

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

Unnamed procedure/Zoom Scan (7x7x7)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 6.23 V/m; Power Drift = -0.090 dB

Peak SAR (extrapolated) = 0.366 W/kg

SAR(1 g) = 0.270 mW/g; SAR(10 g) = 0.195 mW/g[Info: Interpolated medium parameters used for SAR evaluation.](#)

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

Unnamed procedure/Zoom Scan (31x31x36)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 6.23 V/m; Power Drift = -0.090 dB

[Info: Interpolated medium parameters used for SAR evaluation.](#)

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

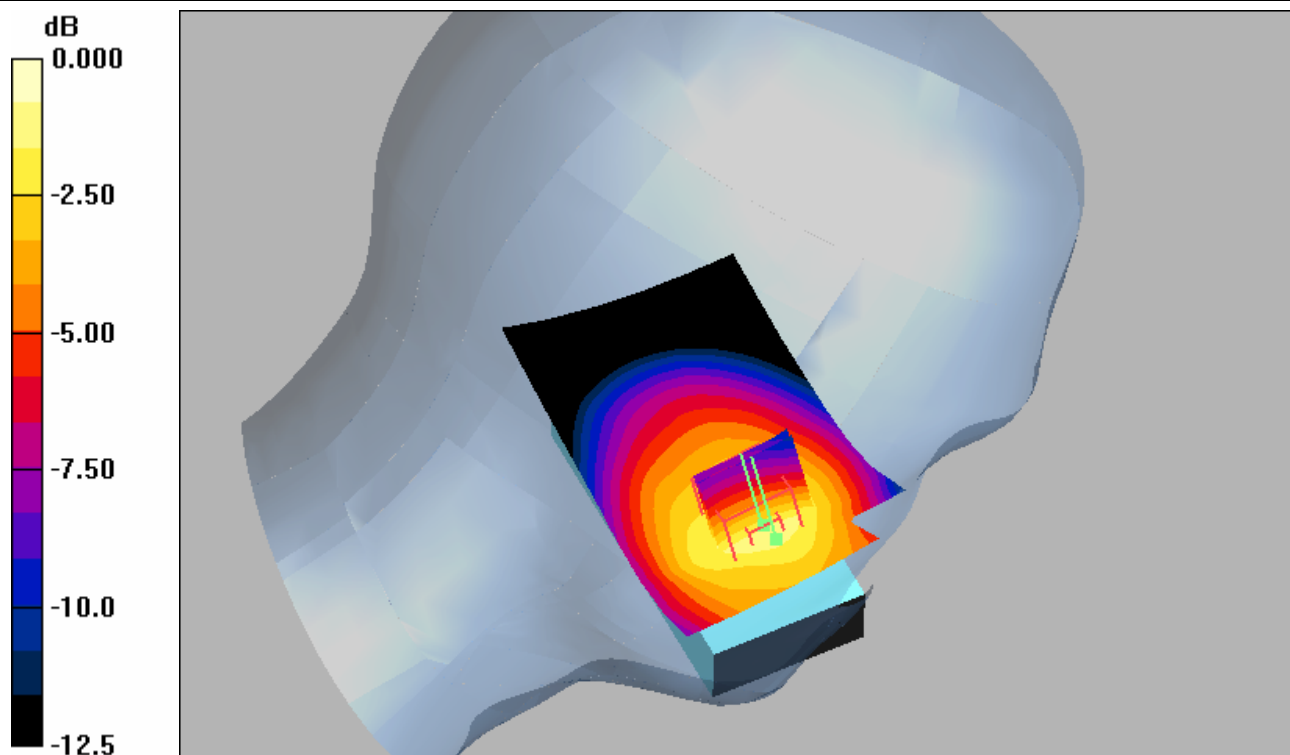


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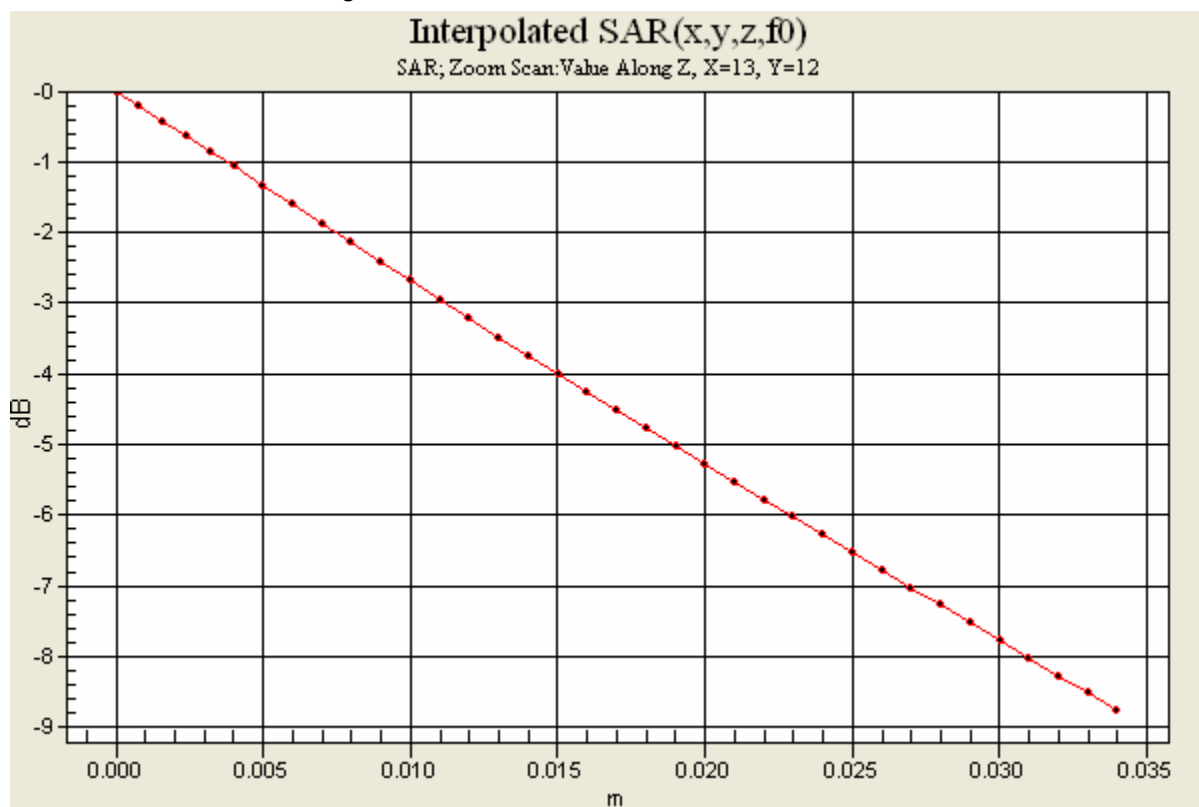
REPORT

54(102)

Prepared (also subject responsible if other) SEM/CV/PF/P Gerard Hayes and Rodney Dixon		No. REP 2008 003 W760a 02	
Approved SEM/CV/PF/P Gerard Hayes	Checked	11June2008	A



0 dB = 0.366mW/g





Prepared (also subject responsible if other) SEM/CV/PF/P Gerard Hayes and Rodney Dixon		No. REP 2008 003 W760a 02	
Approved SEM/CV/PF/P Gerard Hayes	Checked	11June2008	A

800 GSM Band: SAR Distribution and Extrapolation of Maximum SAR**Model: W760a with Standard Battery: BST-38, Right Cheek Open Position.**

Date/Time: 6/5/2008 7:34:50 AM

File Name: [05June08_W760a_GSM850_0PUQ_open_RC01.da4](#)**DUT: W760a open**

Phantom: SAM with CRP (Low Band Head) Phantom section: Right Section

Probe: ET3DV6 - SN1586 ConvF(6.5, 6.5, 6.5)

Medium parameters used (interpolated): $f = 849 \text{ MHz}$; $\sigma = 0.926 \text{ mho/m}$; $\epsilon_r = 41.3$; $\rho = 1000 \text{ kg/m}^3$

Measurement Standard: DASY4 (High Precision Assessment)

Program Notes: Battery BST-38 Humidity - 53 % Ambient Temp - 21.5 C Simulant Temp - 21.4 C

DASY4 Configuration:

- Probe: ET3DV6 - SN1586; ConvF(6.5, 6.5, 6.5); Calibrated: 5/19/2008

- Sensor-Surface: 4mm (Mechanical Surface Detection)

- Electronics: DAE3 Sn432; Calibrated: 5/13/2008

- Phantom: SAM with CRP (Low Band Head); Type: SAM; Serial: 1251

- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 184

Unnamed procedure 3/Area Scan (51x81x1):Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$ [Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.437 mW/g

Unnamed procedure 3/Zoom Scan (7x7x7)/Cube 0:Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 11.8 V/m; Power Drift = -0.014 dB

Peak SAR (extrapolated) = 0.515 W/kg

SAR(1 g) = 0.419 mW/g; SAR(10 g) = 0.321 mW/g[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.446 mW/g

Unnamed procedure 3/Zoom Scan (31x31x36)/Cube 0:Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 11.8 V/m; Power Drift = -0.014 dB

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.515 mW/g

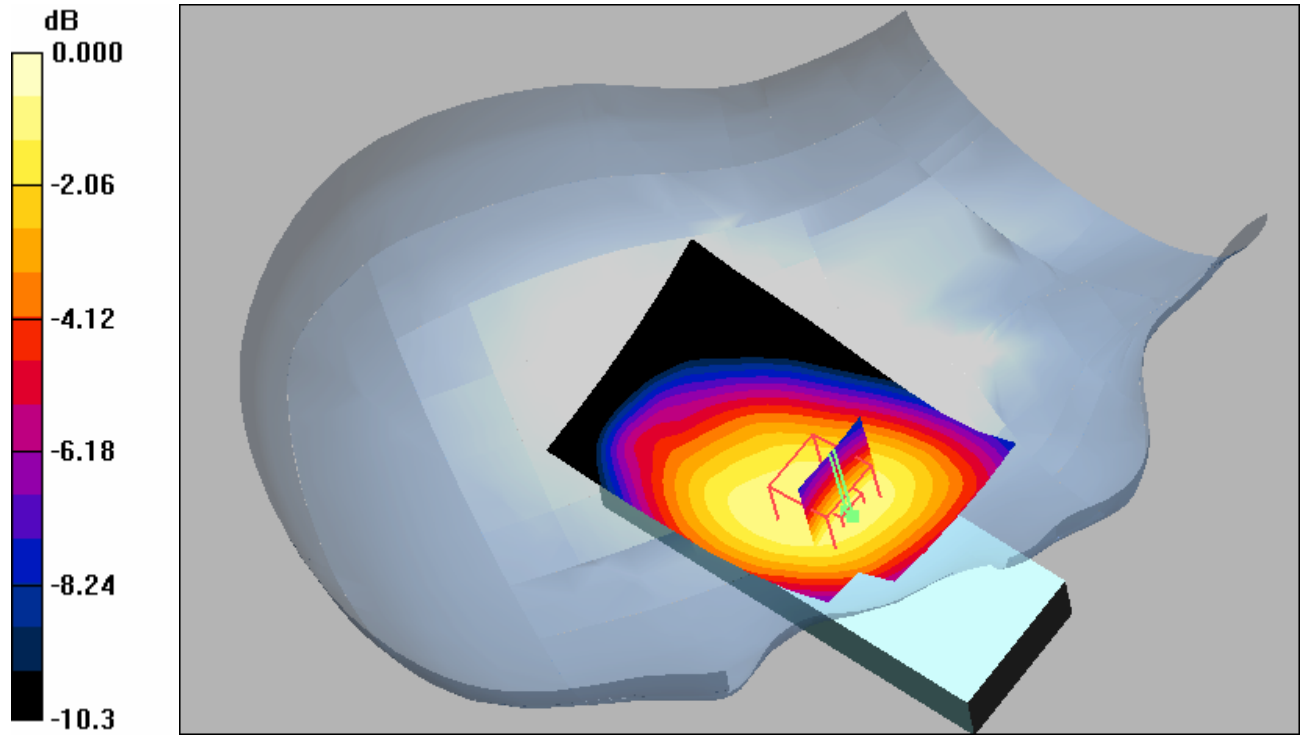


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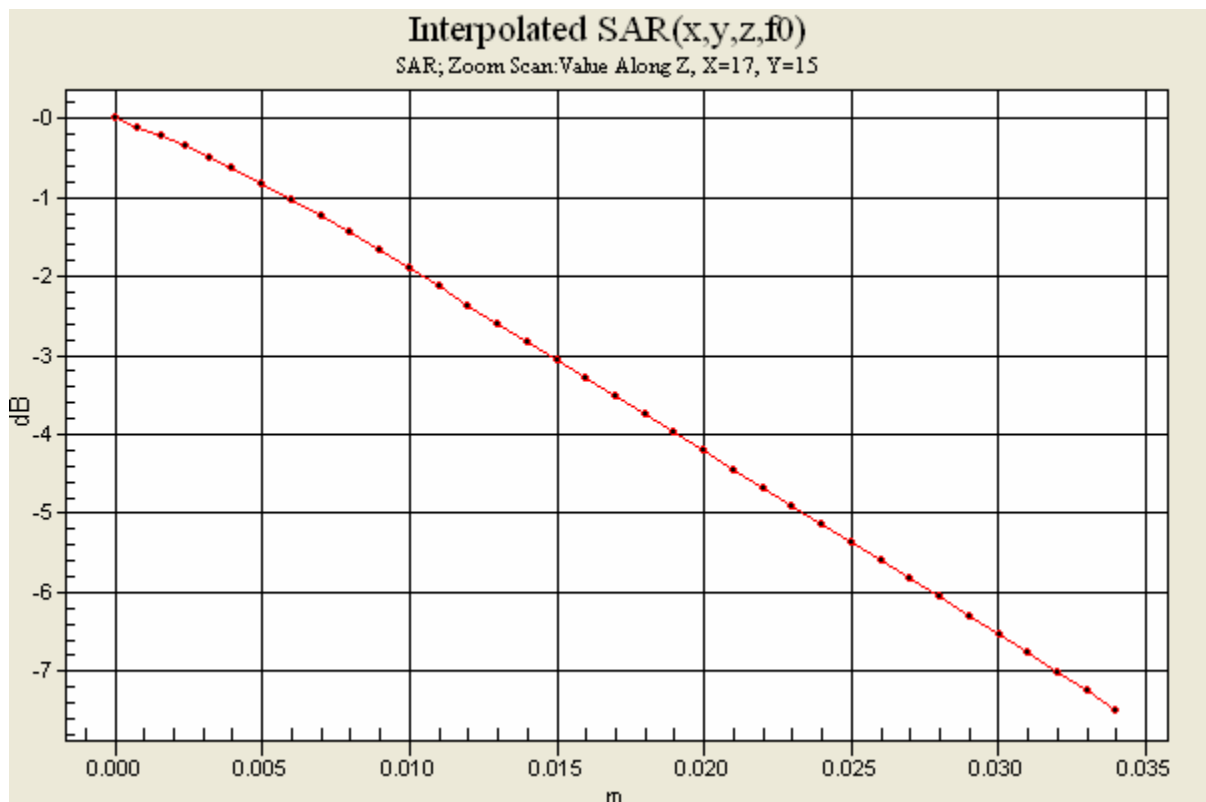
REPORT

56(102)

Prepared (also subject responsible if other) SEM/CV/PF/P Gerard Hayes and Rodney Dixon		No. REP 2008 003 W760a 02	
Approved SEM/CV/PF/P Gerard Hayes	Checked	11June2008	A



0 dB = 0.515mW/g





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REPORT

57(102)

Prepared (also subject responsible if other) SEM/CV/PF/P Gerard Hayes and Rodney Dixon		No. REP 2008 003 W760a 02	
Approved SEM/CV/PF/P Gerard Hayes	Checked	11June2008	A

800 GSM Band: Distribution and Extrapolation of Maximum SAR**Model: W760a with Standard Battery: BST-38, Left Cheek Open Position.**

Date/Time: 6/5/2008 9:22:00 AM

File Name: [05June08_W760a_GSM850_0PUQ_open_LC01.da4](#)**DUT: W760a open**

Phantom: SAM with CRP (Low Band Head) Phantom section: Left Section

Probe: ET3DV6 - SN1586ConvF(6.5, 6.5, 6.5)

Medium parameters used (interpolated): $f = 849$ MHz; $\sigma = 0.926$ mho/m; $\epsilon_r = 41.3$; $\rho = 1000$ kg/m³

Measurement Standard: DASY4 (High Precision Assessment)

Program Notes: Battery BST-38 Humidity - 45.3 % Ambient Temp - 21.8 C Simulant Temp - 21.5 C

DASY4 Configuration:

- Probe: ET3DV6 - SN1586; ConvF(6.5, 6.5, 6.5); Calibrated: 5/19/2008

- Sensor-Surface: 4mm (Mechanical Surface Detection)

- Electronics: DAE3 Sn432; Calibrated: 5/13/2008

- Phantom: SAM with CRP (Low Band Head); Type: SAM; Serial: 1251

- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 184

Unnamed procedure 3/Area Scan (51x81x1):

Measurement grid: dx=15mm, dy=15mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

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

Unnamed procedure 3/Zoom Scan (7x7x7)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 9.33 V/m; Power Drift = -0.001 dB

Peak SAR (extrapolated) = 0.653 W/kg

SAR(1 g) = 0.513 mW/g; SAR(10 g) = 0.379 mW/g[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.541 mW/g

Unnamed procedure 3/Zoom Scan (31x31x36)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 9.33 V/m; Power Drift = -0.001 dB

[Info: Interpolated medium parameters used for SAR evaluation.](#)

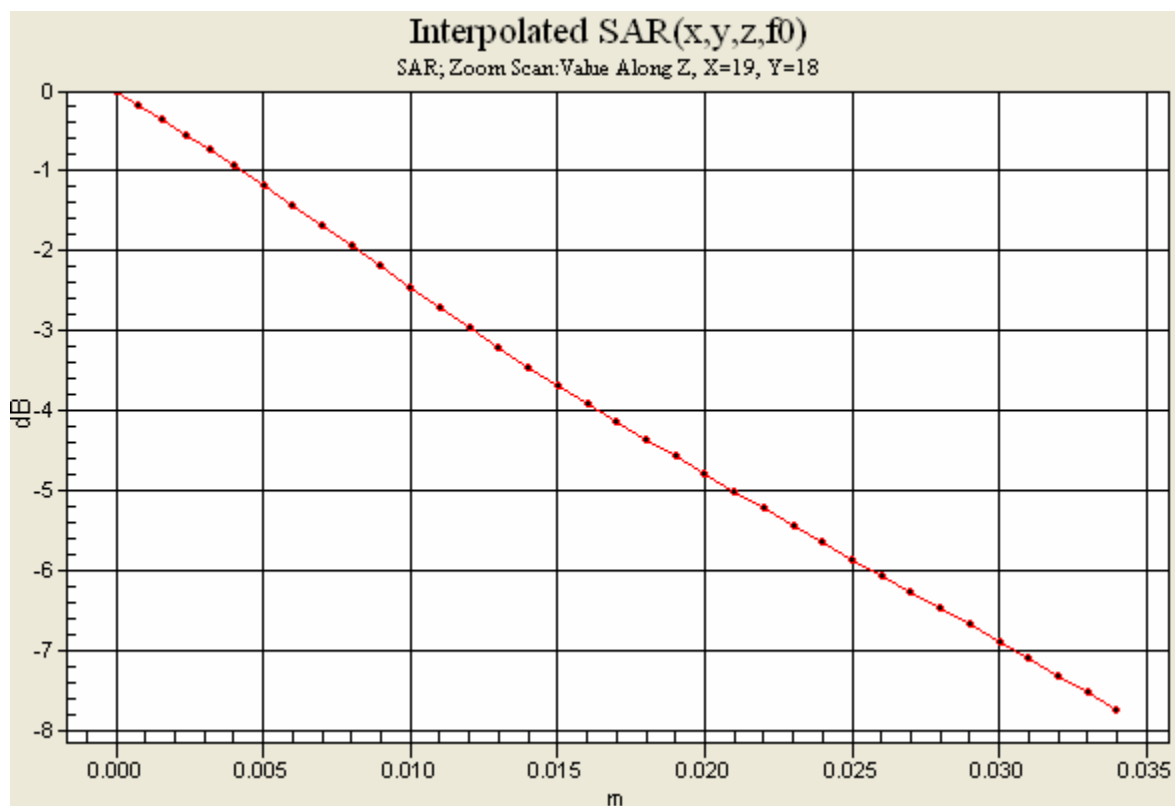
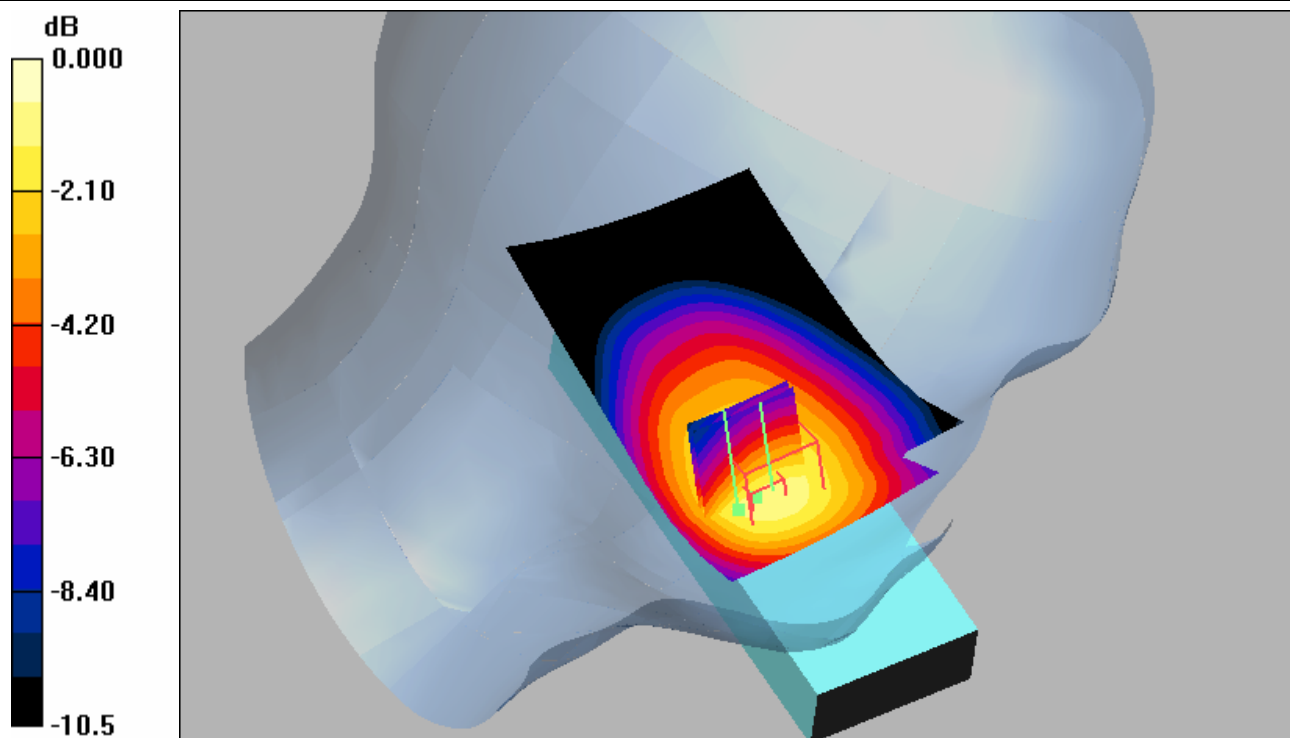
Maximum value of SAR (interpolated) = 0.653 mW/g

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58(102)

Prepared (also subject responsible if other) SEM/CV/PF/P Gerard Hayes and Rodney Dixon		No. REP 2008 003 W760a 02	
Approved SEM/CV/PF/P Gerard Hayes	Checked	11June2008	A





Prepared (also subject responsible if other) SEM/CV/PF/P Gerard Hayes and Rodney Dixon		No. REP 2008 003 W760a 02	
Approved SEM/CV/PF/P Gerard Hayes	Checked	11June2008	A

1900 GSM Band: Distribution and Extrapolation of Maximum SAR**Model: W760a with Standard Battery: BST-38, Right Check Open Position.**

Date/Time: 6/2/2008 7:32:44 AM

File Name: [02June08_W760a_GSM1900_0QKX_open_RC01.da4](#)**DUT: W760a closed**

Phantom: SAM with CRP (High Band Head) Phantom section: Right Section

Probe: ET3DV6 - SN1539 ConvF(4.78, 4.78, 4.78)

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.43$ mho/m; $\epsilon_r = 38.4$; $\rho = 1000$ kg/m³

Measurement Standard: DASY4 (High Precision Assessment)

Program Notes: Battery - BST38 Humidity - 55.3 % Ambient Temp - 21.1 C Simulant Tem - 21.4 C

DASY4 Configuration:

- Probe: ET3DV6 - SN1539; ConvF(4.78, 4.78, 4.78); Calibrated: 11/19/2007

- Sensor-Surface: 4mm (Mechanical Surface Detection)

- Electronics: DAE3 Sn415; Calibrated: 11/12/2007

- Phantom: SAM with CRP (High Band Head); Type: SAM; Serial: TP: 1054

- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 184

Unnamed procedure 2/Area Scan (51x81x1):

Measurement grid: dx=15mm, dy=15mm

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

Unnamed procedure 2/Zoom Scan (7x7x7)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 8.46 V/m; Power Drift = -0.084 dB

Peak SAR (extrapolated) = 0.349 W/kg

SAR(1 g) = 0.246 mW/g; SAR(10 g) = 0.156 mW/g

Maximum value of SAR (measured) = 0.271 mW/g

Unnamed procedure 2/Zoom Scan (31x31x36)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 8.46 V/m; Power Drift = -0.084 dB

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

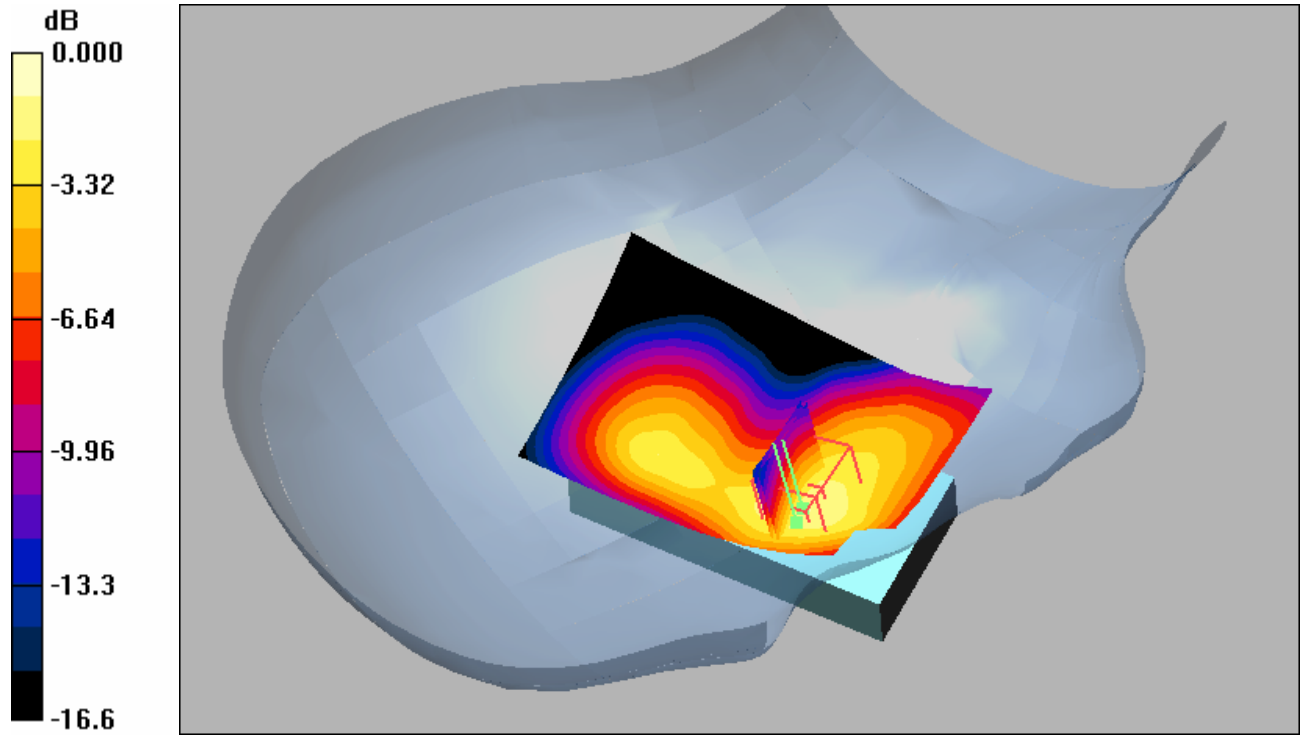


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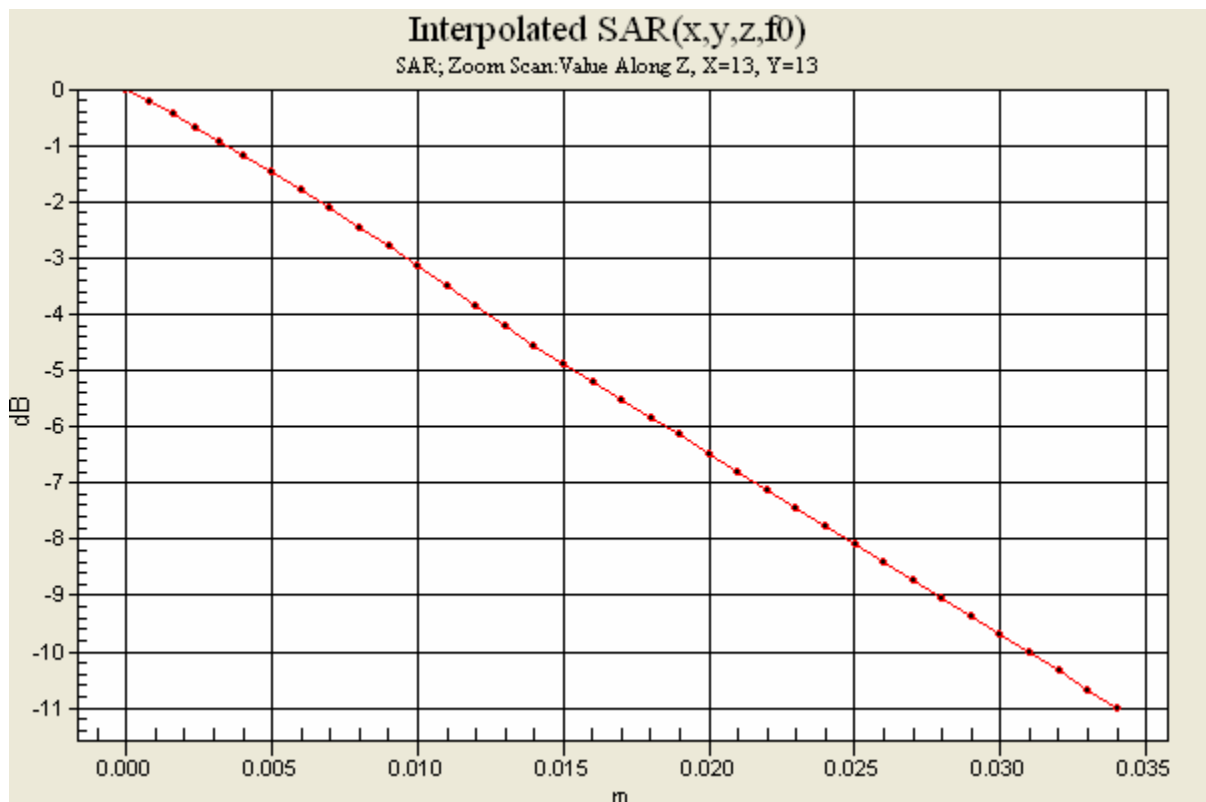
REPORT

60(102)

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0 dB = 0.349mW/g





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Approved SEM/CV/PF/P Gerard Hayes	Checked	11June2008	A

1900 GSM Band: Distribution and Extrapolation of Maximum SAR**Model: W760a with Standard Battery: BST-38, Left Cheek Open Position.**

Date/Time: 6/2/2008 12:16:15 PM

File Name: [02June08_W760a_GSM1900_0QKX_open_LC01.da4](#)**DUT: W760a closed**

Phantom: SAM with CRP (High Band Head) Phantom section: Left Section

Probe: ET3DV6 - SN1539 ConvF(4.78, 4.78, 4.78)

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.43$ mho/m; $\epsilon_r = 38.4$; $\rho = 1000$ kg/m³

Measurement Standard: DASY4 (High Precision Assessment)

Program Notes: Battery - BST38 Humidity - 55.3 %, Ambient Temp - 21.1 C, Simulant Temp - 21.4 C

DASY4 Configuration:

- Probe: ET3DV6 - SN1539; ConvF(4.78, 4.78, 4.78); Calibrated: 11/19/2007

- Sensor-Surface: 4mm (Mechanical Surface Detection)

- Electronics: DAE3 Sn415; Calibrated: 11/12/2007

- Phantom: SAM with CRP (High Band Head); Type: SAM; Serial: TP: 1054

- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 184

Unnamed procedure 2/Area Scan (51x81x1):

Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.314 mW/g

Unnamed procedure 2/Zoom Scan (7x7x7)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 6.48 V/m; Power Drift = 0.056 dB

Peak SAR (extrapolated) = 0.448 W/kg

SAR(1 g) = 0.285 mW/g; SAR(10 g) = 0.168 mW/g

Maximum value of SAR (measured) = 0.311 mW/g

Unnamed procedure 2/Zoom Scan (31x31x36)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 6.48 V/m; Power Drift = 0.056 dB

Maximum value of SAR (interpolated) = 0.448 mW/g

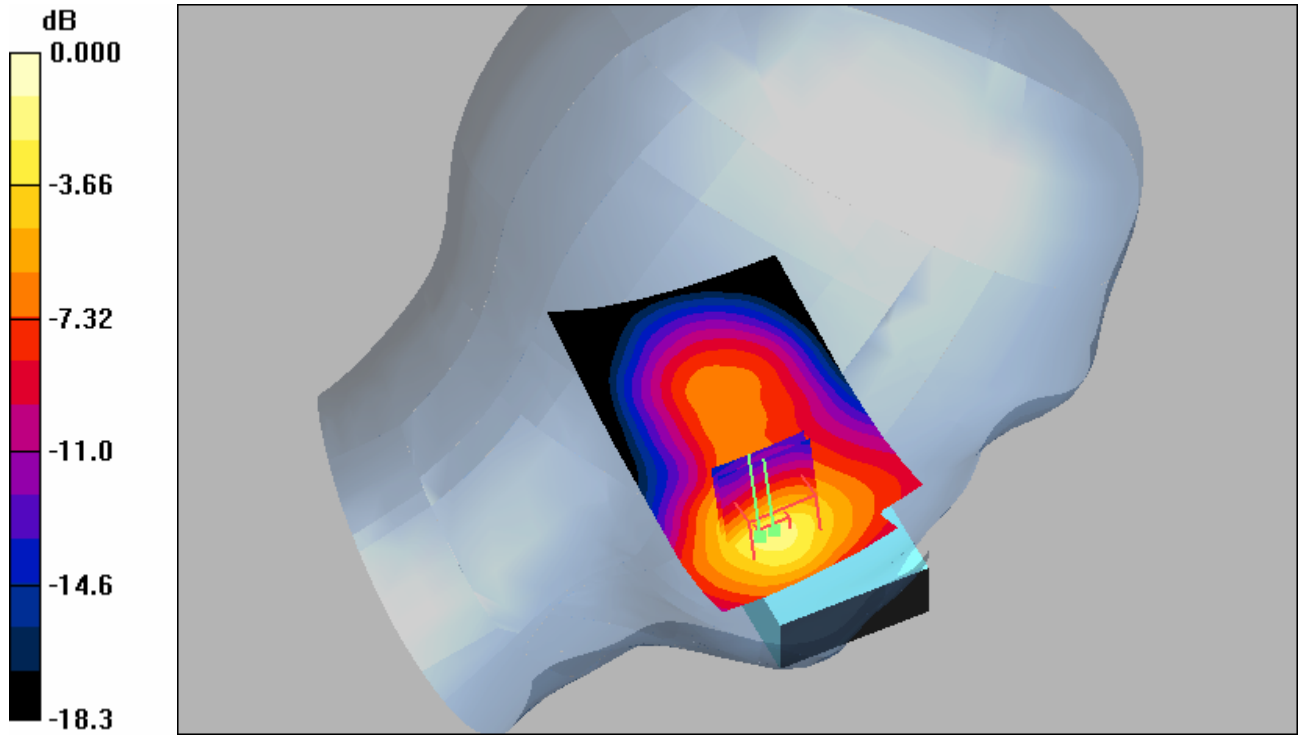


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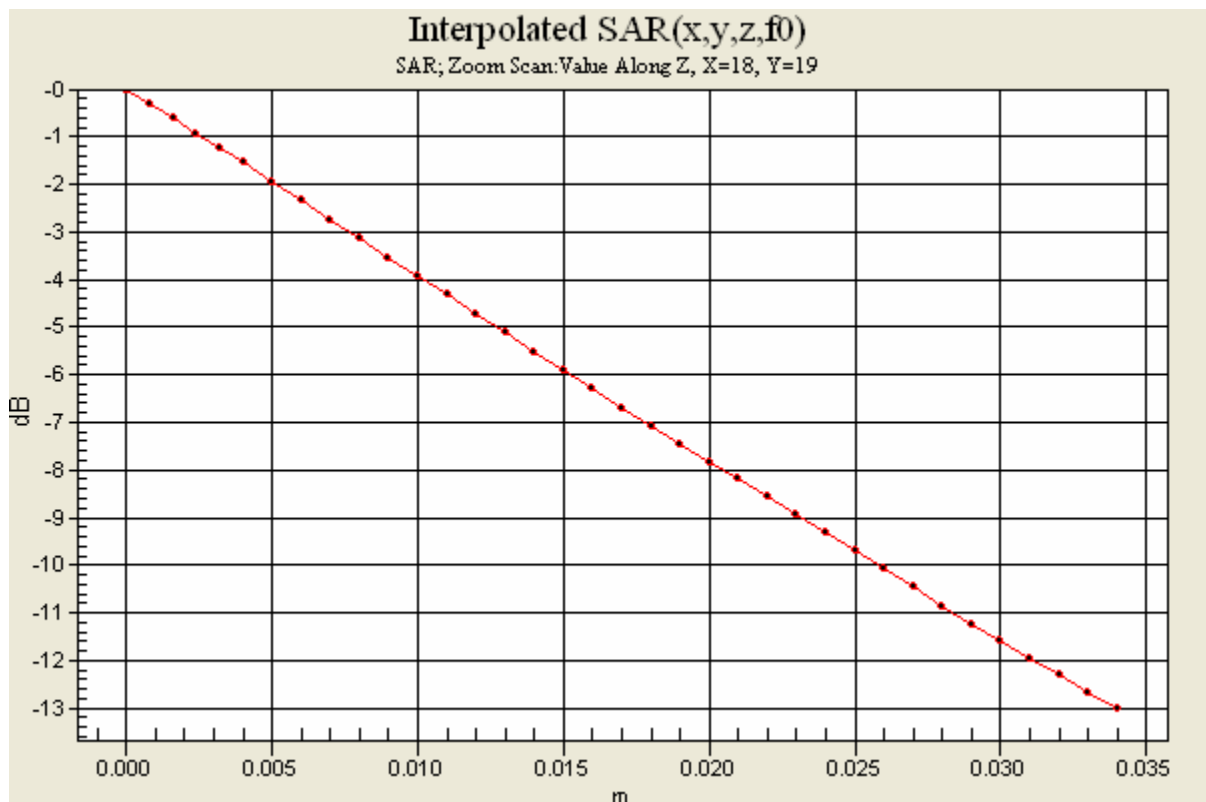
REPORT

62(102)

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0 dB = 0.448mW/g





Prepared (also subject responsible if other) SEM/CV/PF/P Gerard Hayes and Rodney Dixon		No. REP 2008 003 W760a 02	
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Band II WCDMA Band: Distribution and Extrapolation of Maximum SAR**Model: W760a with Standard Battery: BST-38, Right Check Open Position.**

Date/Time: 6/2/2008 9:17:03 AM

File Name: [02June08_W760a_B2WCDMA_0QLM_open_RC01.da4](#)**DUT: W760a**

Phantom: SAM with CRP (High Band Head)Phantom section: Right Section

Probe: ET3DV6 - SN1539ConvF(4.78, 4.78, 4.78)

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.43$ mho/m; $\epsilon_r = 38.4$; $\rho = 1000$ kg/m³

Measurement Standard: DASY4 (High Precision Assessment)

Program Notes: Battery - BST38 Humidity - 50.7 % Ambient Temp - 22.5 C Simulant Temp - 22.5 C

DASY4 Configuration:

- Probe: ET3DV6 - SN1539; ConvF(4.78, 4.78, 4.78); Calibrated: 11/19/2007

- Sensor-Surface: 4mm (Mechanical Surface Detection)

- Electronics: DAE3 Sn415; Calibrated: 11/12/2007

- Phantom: SAM with CRP (High Band Head); Type: SAM; Serial: TP: 1335

- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 184

Unnamed procedure 2/Area Scan (51x81x1):

Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.459 mW/g

Unnamed procedure 2/Zoom Scan (7x7x7)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 10.8 V/m; Power Drift = -0.005 dB

Peak SAR (extrapolated) = 0.637 W/kg

SAR(1 g) = 0.427 mW/g; SAR(10 g) = 0.268 mW/g

Maximum value of SAR (measured) = 0.465 mW/g

Unnamed procedure 2/Zoom Scan (31x31x36)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 10.8 V/m; Power Drift = -0.005 dB

Maximum value of SAR (interpolated) = 0.637 mW/g

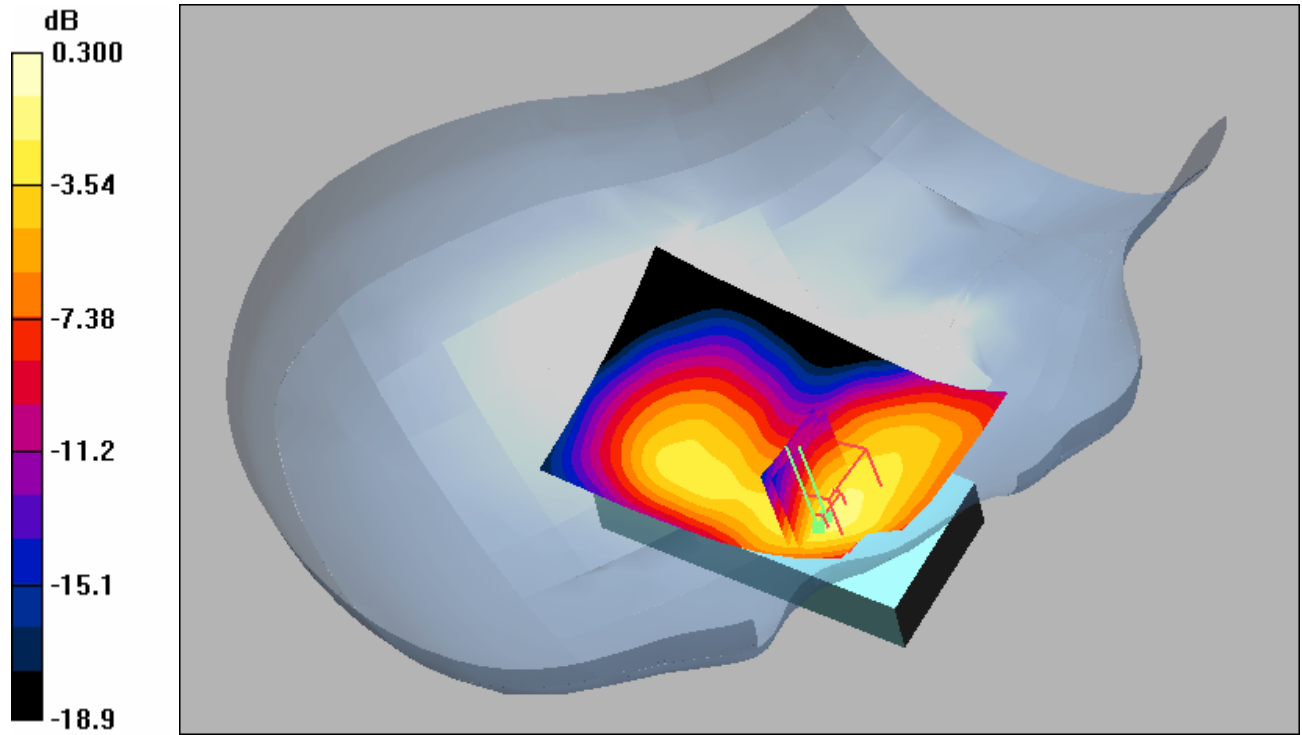


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64(102)

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0 dB = 0.637mW/g

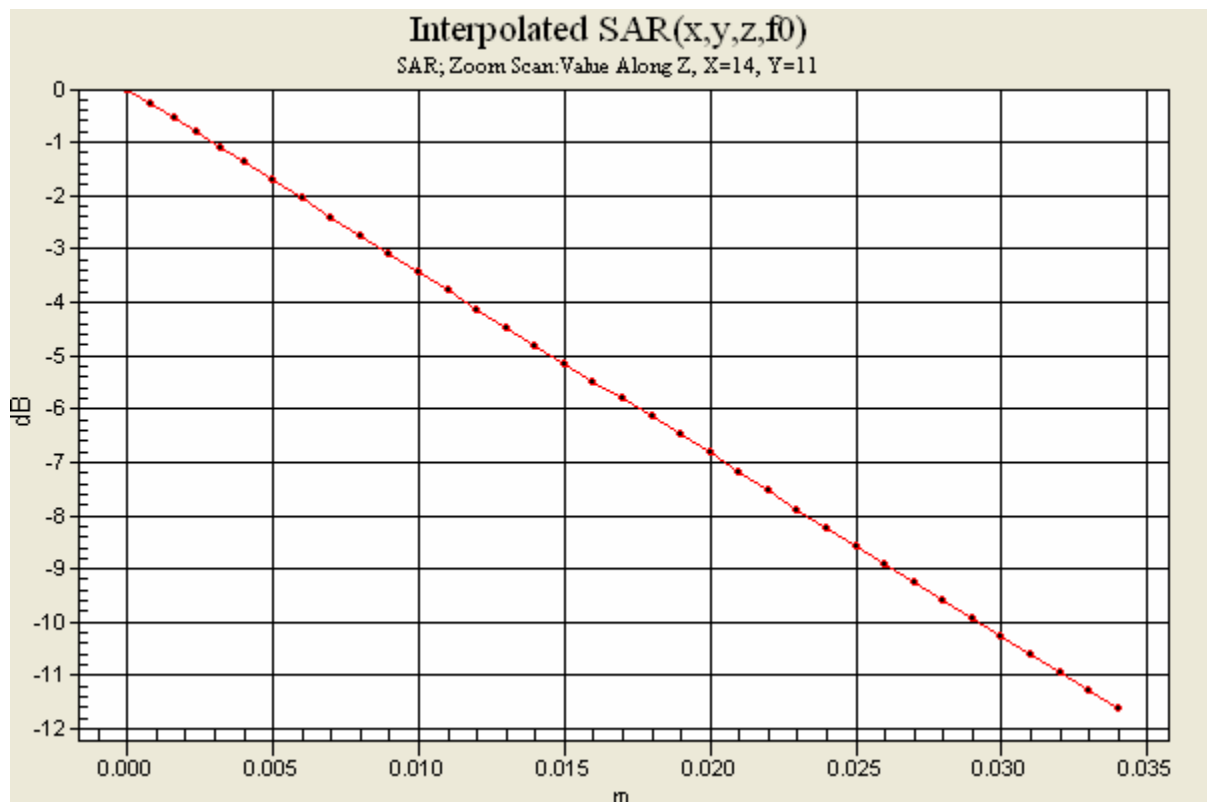


Exhibit 11



Prepared (also subject responsible if other) SEM/CV/PF/P Gerard Hayes and Rodney Dixon		No. REP 2008 003 W760a 02	
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Band II WCDMA Band: Distribution and Extrapolation of Maximum SAR**Model: W760a with Standard Battery: BST-38, Left Cheek Open Position.**

Date/Time: 6/2/2008 10:45:46 AM

File Name: [02June08_W760a_B2WCDMA_0QLM_open_LC01.da4](#)**DUT: W760a**

Phantom: SAM with CRP (High Band Head)Phantom section: Left Section

Probe: ET3DV6 - SN1539ConvF(4.78, 4.78, 4.78)

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.43$ mho/m; $\epsilon_r = 38.4$; $\rho = 1000$ kg/m³

Measurement Standard: DASY4 (High Precision Assessment)

Program Notes: Battery - BST38 Humidity - 55.3 %, Ambient Temp - 21.1 C, Simulant Temp - 21.4 C

DASY4 Configuration:

- Probe: ET3DV6 - SN1539; ConvF(4.78, 4.78, 4.78); Calibrated: 11/19/2007

- Sensor-Surface: 4mm (Mechanical Surface Detection)

- Electronics: DAE3 Sn415; Calibrated: 11/12/2007

- Phantom: SAM with CRP (High Band Head); Type: SAM; Serial: TP: 1335

- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 184

Unnamed procedure 2/Area Scan (51x81x1):

Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.666 mW/g

Unnamed procedure 2/Zoom Scan (7x7x7)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 9.52 V/m; Power Drift = -0.031 dB

Peak SAR (extrapolated) = 0.956 W/kg

SAR(1 g) = 0.614 mW/g; SAR(10 g) = 0.361 mW/g

Maximum value of SAR (measured) = 0.673 mW/g

Unnamed procedure 2/Zoom Scan (31x31x36)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 9.52 V/m; Power Drift = -0.031 dB

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

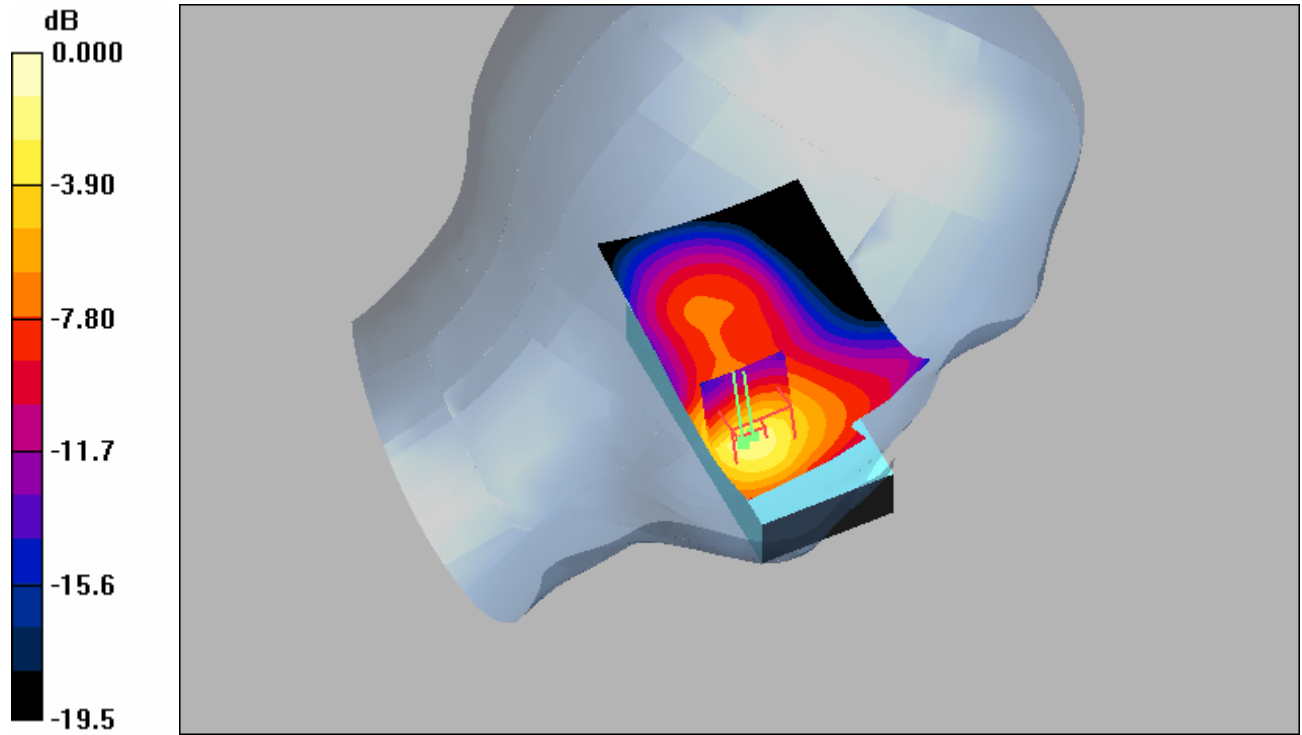


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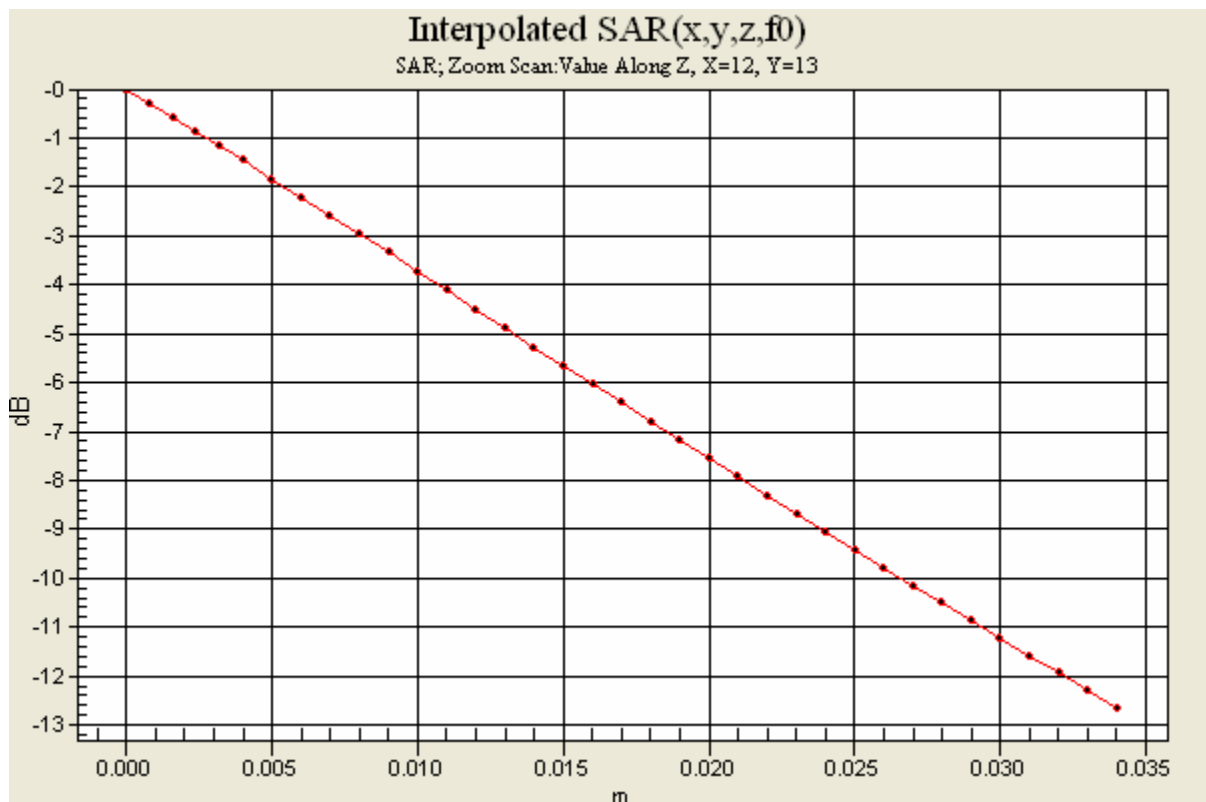
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66(102)

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Approved SEM/CV/PF/P Gerard Hayes	Checked	11June2008	A



0 dB = 0.956mW/g





Prepared (also subject responsible if other) SEM/CV/PF/P Gerard Hayes and Rodney Dixon		No. REP 2008 003 W760a 02	
Approved SEM/CV/PF/P Gerard Hayes	Checked	11June2008	A

Band V WCDMA Band: Distribution and Extrapolation of Maximum SAR**Model: W760a with Standard Battery: BST-38, Right Check Open Position.**

Date/Time: 6/4/2008 11:07:09 AM

File Name: [04June08_W760a_B5WCDMA_0QKF_open_RC01.da4](#)**DUT: W760a open**

Phantom: SAM with CRP (Low Band Head) Phantom section: Right Section

Probe: ET3DV6 - SN1586 ConvF(6.63, 6.63, 6.63)

Medium parameters used: $f = 835$ MHz; $\sigma = 0.908$ mho/m; $\epsilon_r = 40.8$; $\rho = 1000$ kg/m³

Measurement Standard: DASY4 (High Precision Assessment)

Program Notes: Battery BST-38 Humidity: 50.3 % Ambient Temp: 21.7 C Simulant Temp: 21.6 C

DASY4 Configuration:

- Probe: ET3DV6 - SN1586; ConvF(6.63, 6.63, 6.63); Calibrated: 5/23/2007

- Sensor-Surface: 4mm (Mechanical Surface Detection)

- Electronics: DAE3 Sn432; Calibrated: 5/13/2008

- Phantom: SAM with CRP (Low Band Head); Type: SAM; Serial: 1251

- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 184

Unnamed procedure 2/Area Scan (51x81x1):

Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.331 mW/g

Unnamed procedure 2/Zoom Scan (7x7x7)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 9.51 V/m; Power Drift = -0.049 dB

Peak SAR (extrapolated) = 0.409 W/kg

SAR(1 g) = 0.307 mW/g; SAR(10 g) = 0.225 mW/g

Maximum value of SAR (measured) = 0.327 mW/g

Unnamed procedure 2/Zoom Scan (31x31x36)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 9.51 V/m; Power Drift = -0.049 dB

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

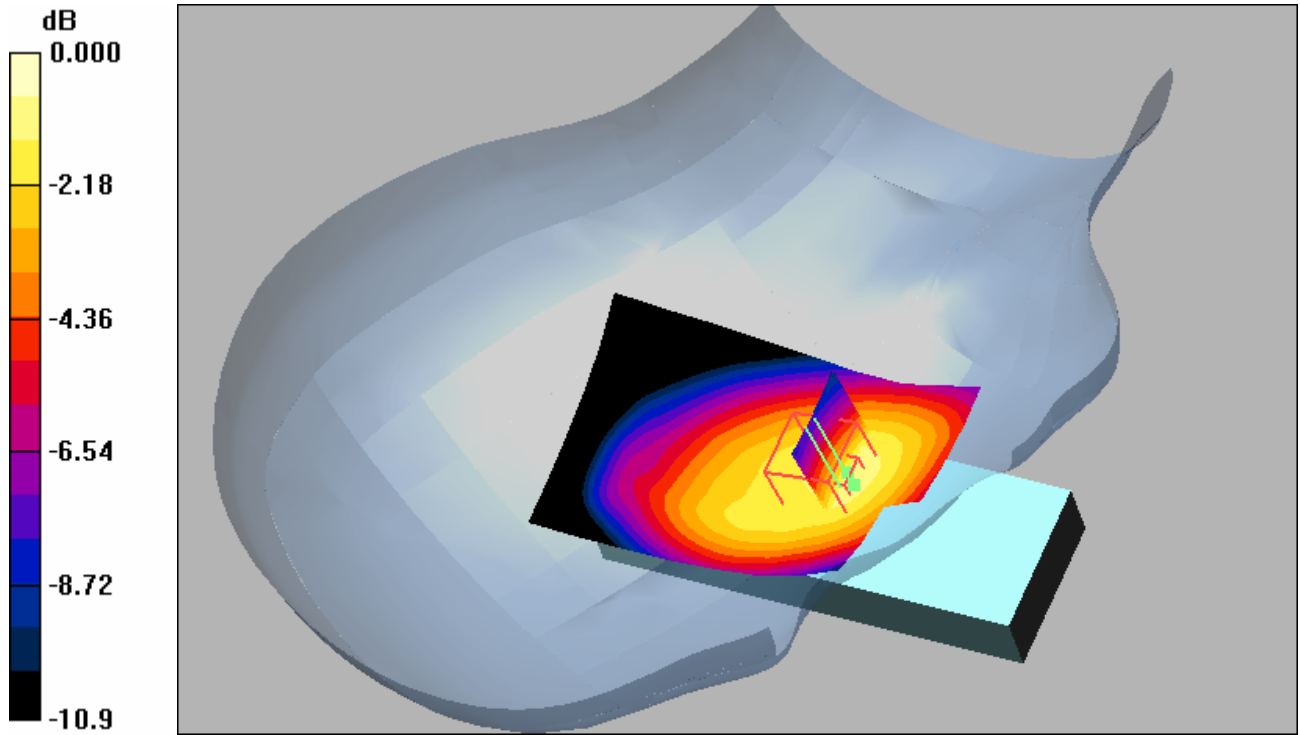


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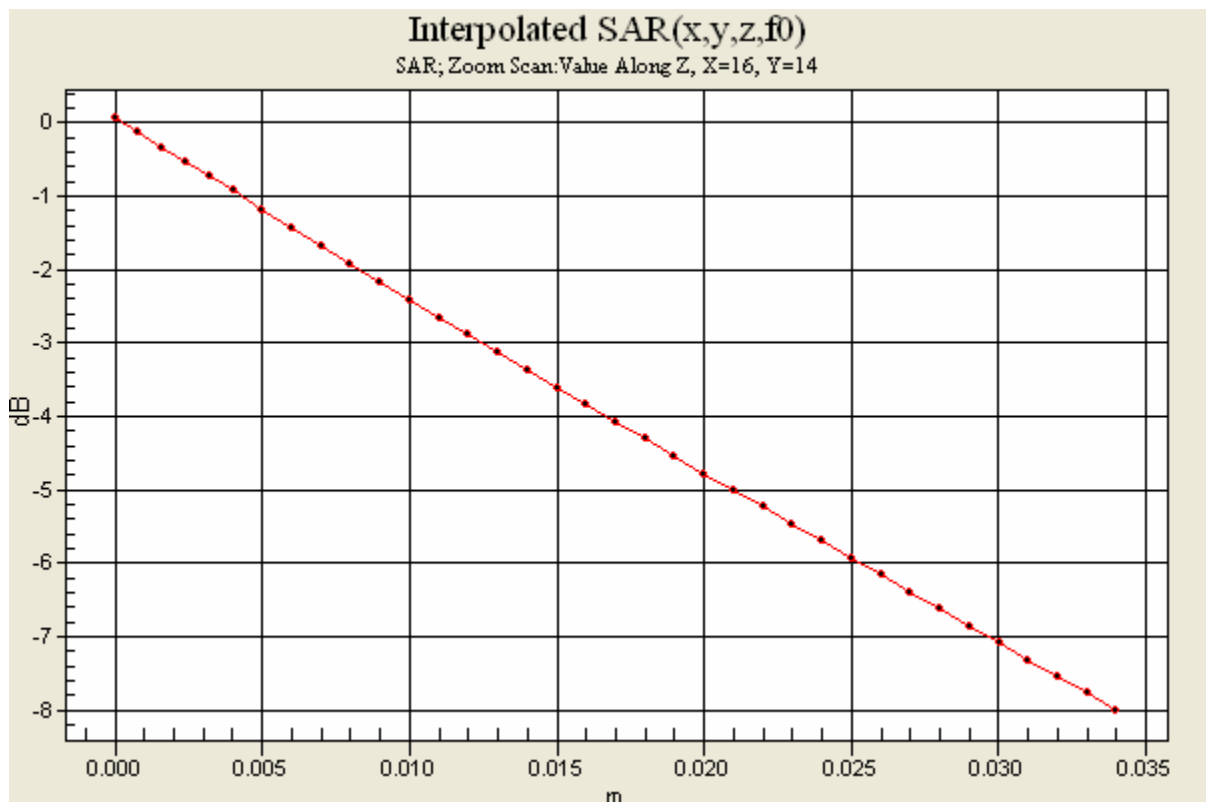
REPORT

68(102)

Prepared (also subject responsible if other) SEM/CV/PF/P Gerard Hayes and Rodney Dixon		No. REP 2008 003 W760a 02	
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0 dB = 0.409mW/g





Prepared (also subject responsible if other) SEM/CV/PF/P Gerard Hayes and Rodney Dixon		No. REP 2008 003 W760a 02	
Approved SEM/CV/PF/P Gerard Hayes	Checked	11June2008	A

Band V WCDMA Band: Distribution and Extrapolation of Maximum SAR**Model: W760a with Standard Battery: BST-38, Left Cheek Open Position.**

Date/Time: 6/4/2008 10:39:18 AM

File Name: [04June08_W760a_B5WCDMA_0QKF_open_LC01.da4](#)**DUT: W760a open**

Phantom: SAM with CRP (Low Band Head) Phantom section: Left Section

Probe: ET3DV6 - SN1586ConvF(6.63, 6.63, 6.63)

Medium parameters used: $f = 835$ MHz; $\sigma = 0.908$ mho/m; $\epsilon_r = 40.8$; $\rho = 1000$ kg/m³

Measurement Standard: DASY4 (High Precision Assessment)

Program Notes: Battery BST-38 Humidity: 50 % Ambient Temp: 21.9 C Simulant Temp: 21.7 C

DASY4 Configuration:

- Probe: ET3DV6 - SN1586; ConvF(6.63, 6.63, 6.63); Calibrated: 5/23/2007

- Sensor-Surface: 4mm (Mechanical Surface Detection)

- Electronics: DAE3 Sn432; Calibrated: 5/13/2008

- Phantom: SAM with CRP (Low Band Head); Type: SAM; Serial: 1251

- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 184

Unnamed procedure 2/Area Scan (51x81x1):

Measurement grid: dx=15mm, dy=15mm

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

Unnamed procedure 2/Zoom Scan (7x7x7)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 7.87 V/m; Power Drift = 0.010 dB

Peak SAR (extrapolated) = 0.455 W/kg

SAR(1 g) = 0.341 mW/g; SAR(10 g) = 0.251 mW/g

Maximum value of SAR (measured) = 0.359 mW/g

Unnamed procedure 2/Zoom Scan (31x31x36)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 7.87 V/m; Power Drift = 0.010 dB

Maximum value of SAR (interpolated) = 0.455 mW/g

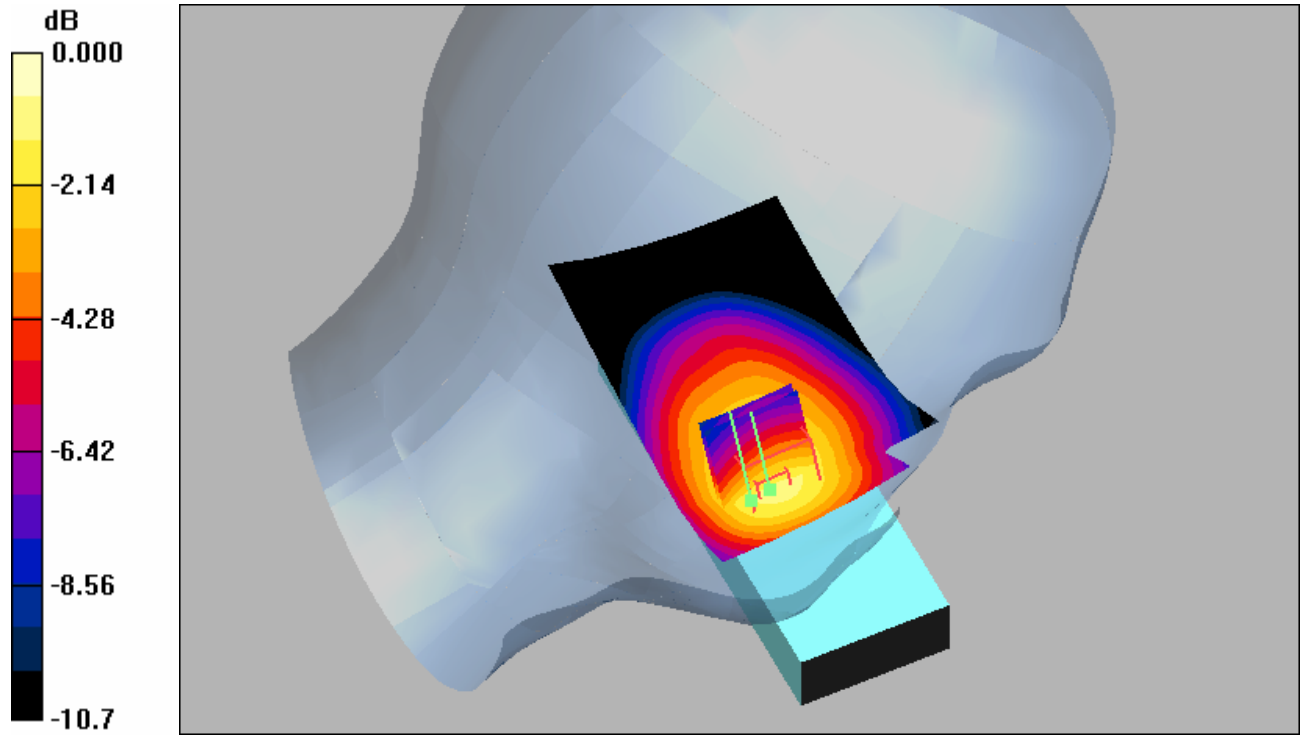


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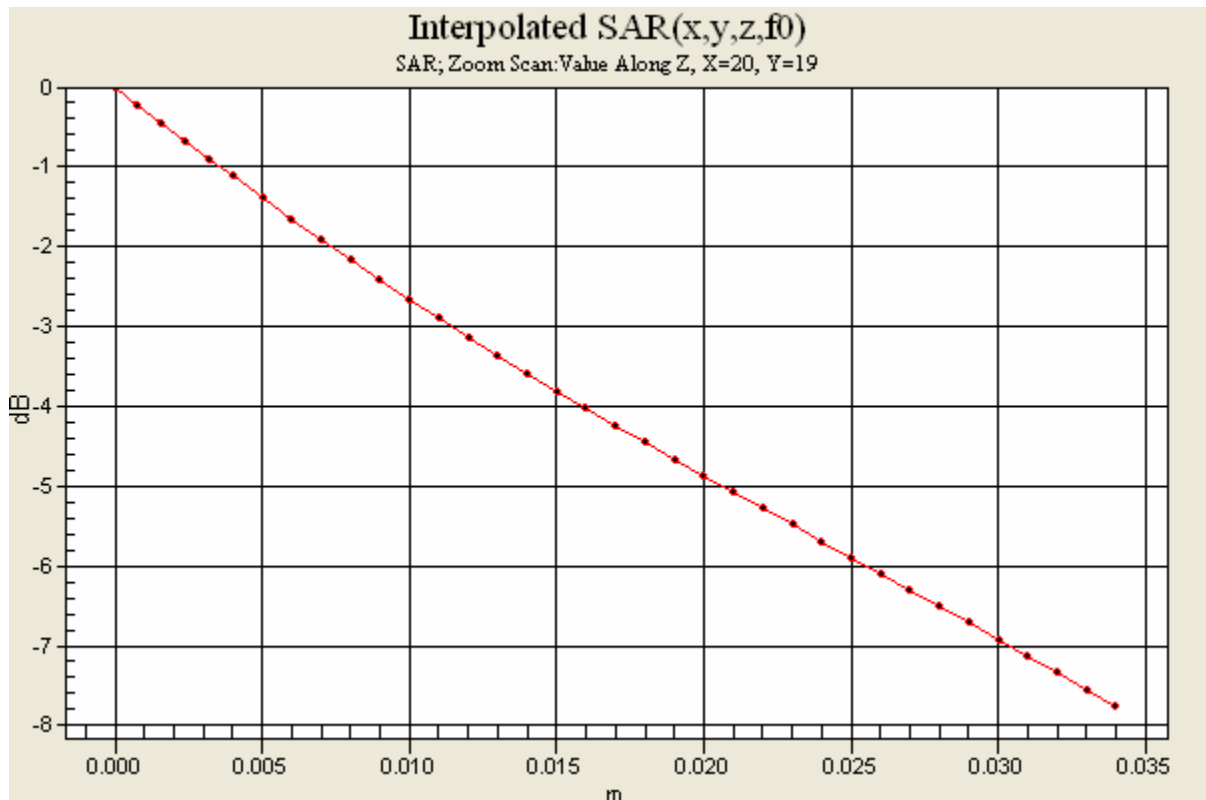
REPORT

70(102)

Prepared (also subject responsible if other) SEM/CV/PF/P Gerard Hayes and Rodney Dixon		No. REP 2008 003 W760a 02	
Approved SEM/CV/PF/P Gerard Hayes	Checked	11June2008	A



0 dB = 0.455mW/g



APPLICANT: Sony Ericsson Mobile Communications Inc.

FCC ID: **PY7A3252041**



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REPORT

71(102)

Prepared (also subject responsible if other) SEM/CV/PF/P Gerard Hayes and Rodney Dixon		No. REP 2008 003 W760a 02	
Approved SEM/CV/PF/P Gerard Hayes	Checked	11June2008	A

Appendix 3

SAR distribution plots for Body Worn Configuration



Prepared (also subject responsible if other) SEM/CV/PF/P Gerard Hayes and Rodney Dixon		No. REP 2008 003 W760a 02	
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Distribution of maximum SAR in 800 GSM band. Measured with back of device facing the body using a 15mm spacer. (Standard Battery, BST-38)

Date/Time: 6/2/2008 8:09:00 AM

File Name: [02June08_W760a_GSM835_0PUQ_15mm_BB01.da4](#)

DUT: W760a body

Phantom: SAM with CRP (Low Band Body) Phantom section: Flat Section

Probe: ET3DV6 - SN1587ConvF(6.55, 6.55, 6.55)

Medium parameters used (interpolated): $f = 849$ MHz; $\sigma = 0.959$ mho/m; $\epsilon_r = 52.9$; $\rho = 1000$ kg/m³

Measurement Standard: DASY4 (High Precision Assessment)

Program Notes: Battery - BST38 Humidity - 55.3 % Ambient Temp - 21.1 C Simulant Temp - 21.4 C

DASY4 Configuration:

- Probe: ET3DV6 - SN1587; ConvF(6.55, 6.55, 6.55); Calibrated: 5/23/2007

- Sensor-Surface: 4mm (Mechanical Surface Detection)

- Electronics: DAE3 Sn369; Calibrated: 5/19/2008

- Phantom: SAM with CRP (Low Band Body); Type: SAM; Serial: TP: 1031

- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Unnamed procedure 3/Area Scan (51x81x1):

Measurement grid: dx=15mm, dy=15mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.549 mW/g

Unnamed procedure 3/Zoom Scan (7x7x7)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 15.4 V/m; Power Drift = -0.094 dB

Peak SAR (extrapolated) = 0.693 W/kg

SAR(1 g) = 0.516 mW/g; SAR(10 g) = 0.366 mW/g

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.545 mW/g

Unnamed procedure 3/Zoom Scan (31x31x36)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 15.4 V/m; Power Drift = -0.094 dB

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.693 mW/g

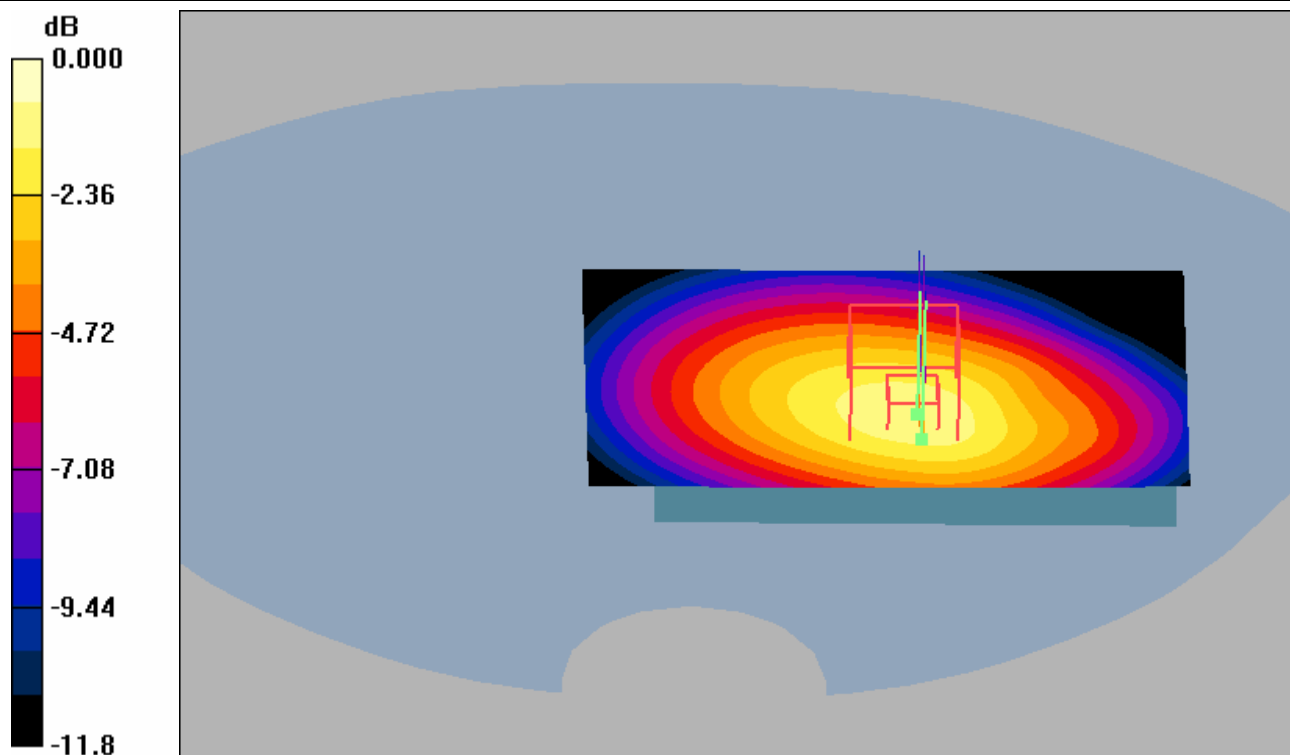


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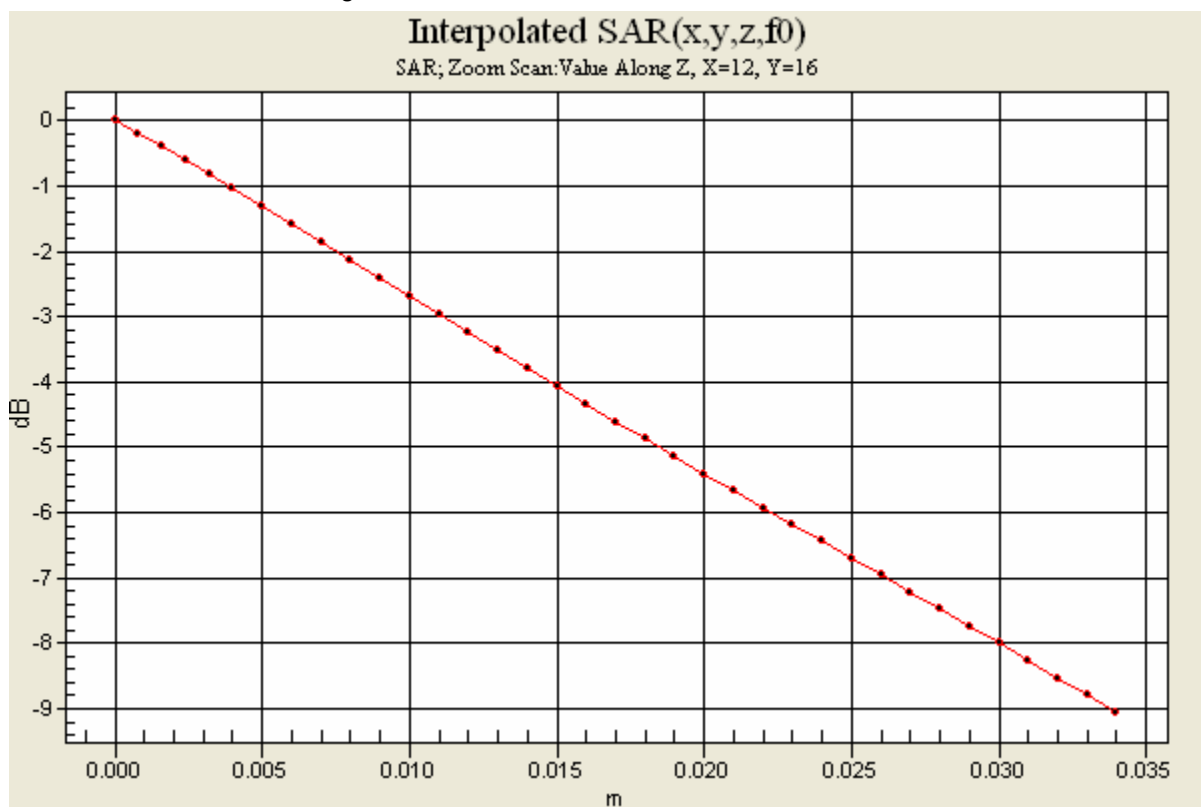
REPORT

73(102)

Prepared (also subject responsible if other) SEM/CV/PF/P Gerard Hayes and Rodney Dixon		No. REP 2008 003 W760a 02	
Approved SEM/CV/PF/P Gerard Hayes	Checked	11June2008	A



0 dB = 0.693mW/g





Prepared (also subject responsible if other) SEM/CV/PF/P Gerard Hayes and Rodney Dixon		No. REP 2008 003 W760a 02	
Approved SEM/CV/PF/P Gerard Hayes	Checked	11June2008	A

Distribution of maximum SAR in 800 GSM band. Measured with back of device facing the body using the ICE30 case. (Standard Battery, BST-38)

Date/Time: 6/2/2008 9:35:41 AM

File Name: [02June08_W760a_GSM835_0PUQ_ICE30_BB01.da4](#)

DUT: W760a body

Phantom: SAM with CRP (Low Band Body) Phantom section: Flat Section

Probe: ET3DV6 - SN1587 ConvF(6.55, 6.55, 6.55)

Medium parameters used (interpolated): $f = 849$ MHz; $\sigma = 0.959$ mho/m; $\epsilon_r = 52.9$; $\rho = 1000$ kg/m³

Measurement Standard: DASY4 (High Precision Assessment)

Program Notes: Battery - BST38 Humidity - 51.4 % Ambient Temp - 21.1 C Simulant Temp - 21.4 C

DASY4 Configuration:

- Probe: ET3DV6 - SN1587; ConvF(6.55, 6.55, 6.55); Calibrated: 5/23/2007

- Sensor-Surface: 4mm (Mechanical Surface Detection)

- Electronics: DAE3 Sn369; Calibrated: 5/19/2008

- Phantom: SAM with CRP (Low Band Body); Type: SAM; Serial: TP: 1031

- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Unnamed procedure 3/Area Scan (51x81x1):

Measurement grid: dx=15mm, dy=15mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.556 mW/g

Unnamed procedure 3/Zoom Scan (7x7x7)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 17.7 V/m; Power Drift = 0.001 dB

Peak SAR (extrapolated) = 0.691 W/kg

SAR(1 g) = 0.516 mW/g; SAR(10 g) = 0.366 mW/g

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.549 mW/g

Unnamed procedure 3/Zoom Scan (31x31x36)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 17.7 V/m; Power Drift = 0.001 dB

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.691 mW/g

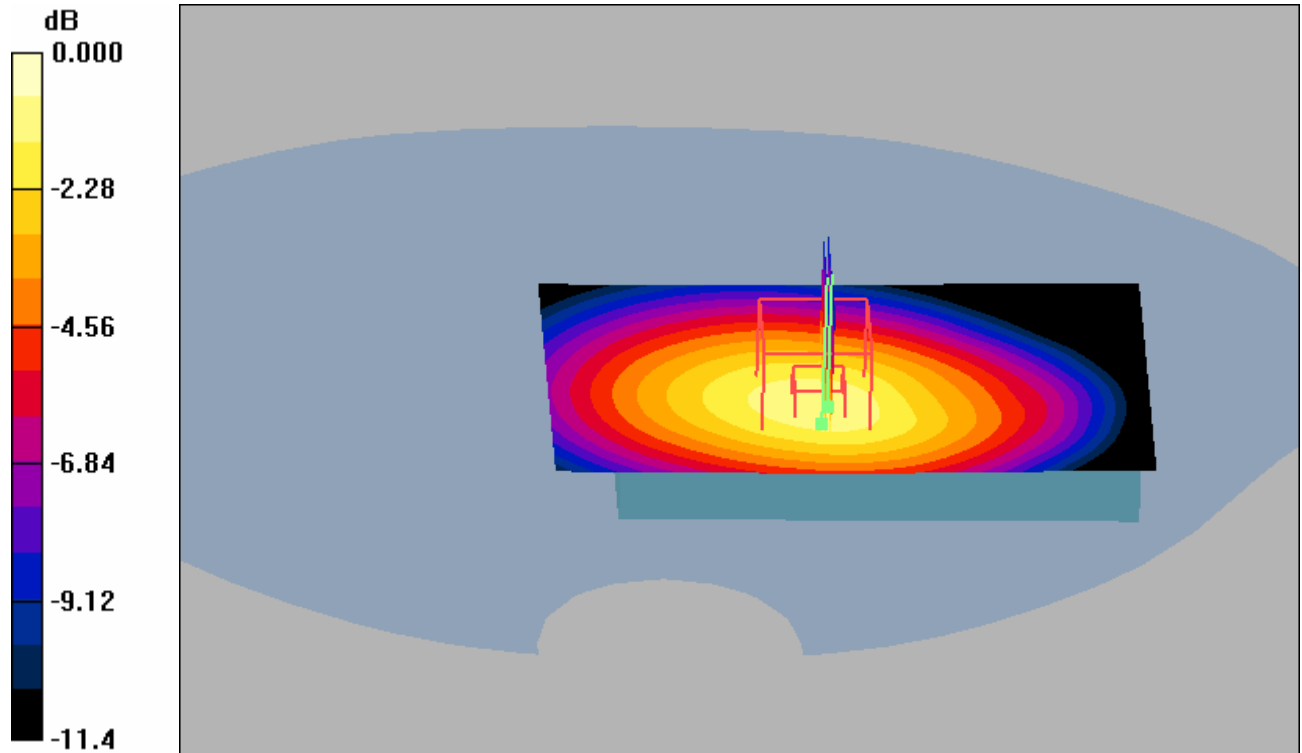


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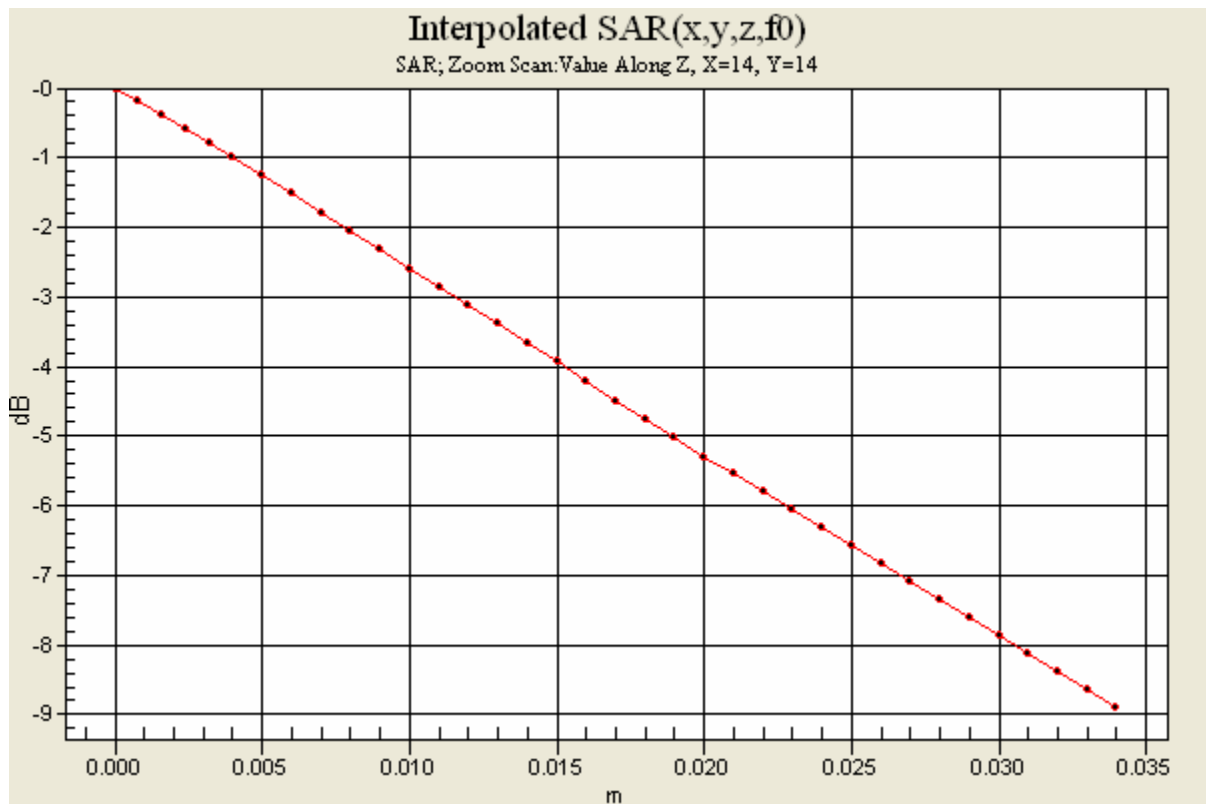
REPORT

75(102)

Prepared (also subject responsible if other) SEM/CV/PF/P Gerard Hayes and Rodney Dixon		No. REP 2008 003 W760a 02	
Approved SEM/CV/PF/P Gerard Hayes	Checked	11June2008	A



0 dB = 0.691mW/g





Prepared (also subject responsible if other) SEM/CV/PF/P Gerard Hayes and Rodney Dixon		No. REP 2008 003 W760a 02	
Approved SEM/CV/PF/P Gerard Hayes	Checked	11June2008	A

Distribution of maximum SAR in 1900 GSM band. Measured with back of device facing the body using a 15mm spacer. (Standard Battery, BST-38)

Date/Time: 5/28/2008 7:01:06 AM

File Name: [28May08_W760a_GSM1900_0QKX_15mm_BB01.da4](#)

DUT: W760a body

Phantom: SAM with CRP (High Band Body) Phantom section: Flat Section

Probe: ET3DV6 - SN1587 ConvF(4.7, 4.7, 4.7)

Medium parameters used (interpolated): $f = 1850.2$ MHz; $\sigma = 1.48$ mho/m; $\epsilon_r = 51.1$; $\rho = 1000$ kg/m³

Measurement Standard: DASY4 (High Precision Assessment)

Program Notes: Battery - BST38 Humidity - 59.1 % Ambient Temp - 22.6 C Simulant Temp - 22.5 C

DASY4 Configuration:

- Probe: ET3DV6 - SN1587; ConvF(4.7, 4.7, 4.7); Calibrated: 5/19/2008

- Sensor-Surface: 4mm (Mechanical Surface Detection)

- Electronics: DAE3 Sn369; Calibrated: 5/19/2008

- Phantom: SAM with CRP (High Band Body); Type: SAM; Serial: TP: 1020

- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Unnamed procedure/Area Scan (51x81x1):

Measurement grid: dx=15mm, dy=15mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.698 mW/g

Unnamed procedure/Zoom Scan (7x7x7)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 12.2 V/m; Power Drift = -0.094 dB

Peak SAR (extrapolated) = 1.11 W/kg

SAR(1 g) = 0.618 mW/g; SAR(10 g) = 0.370 mW/g

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.656 mW/g

Unnamed procedure/Zoom Scan (31x31x36)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 12.2 V/m; Power Drift = -0.094 dB

[Info: Interpolated medium parameters used for SAR evaluation.](#)

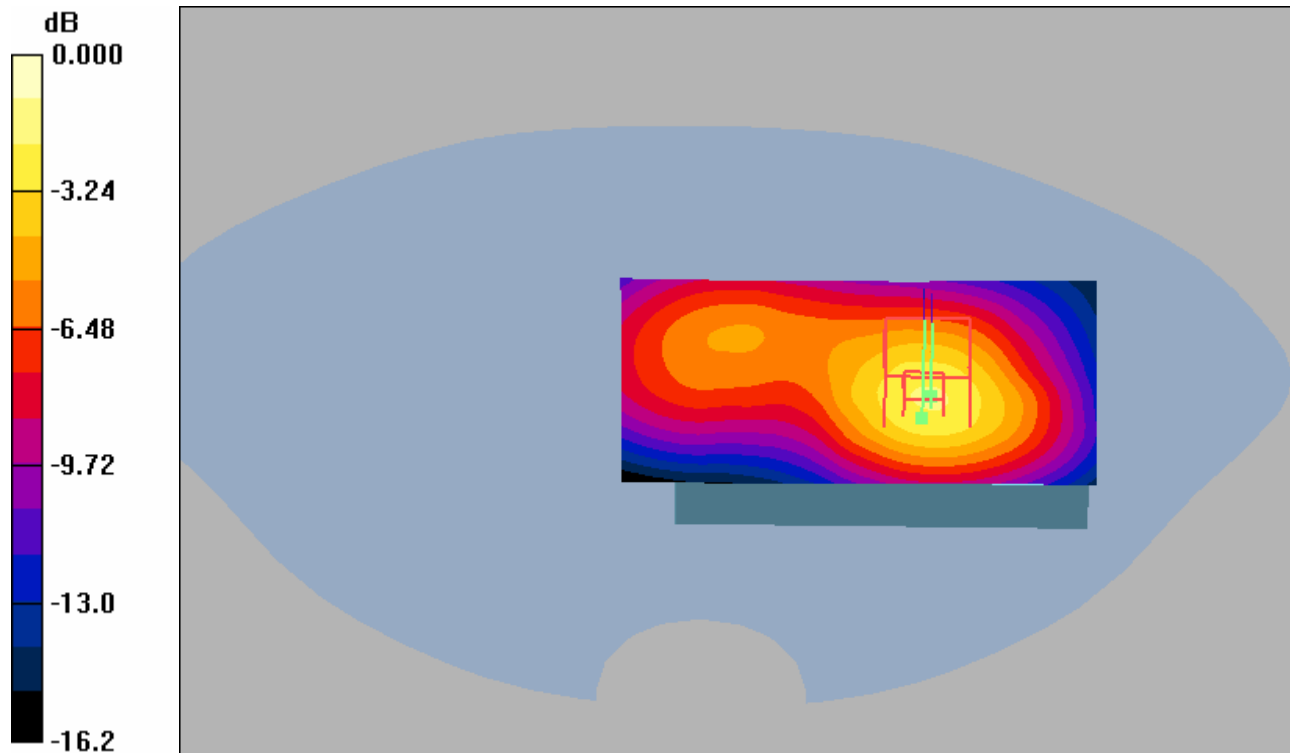
Maximum value of SAR (interpolated) = 1.11 mW/g

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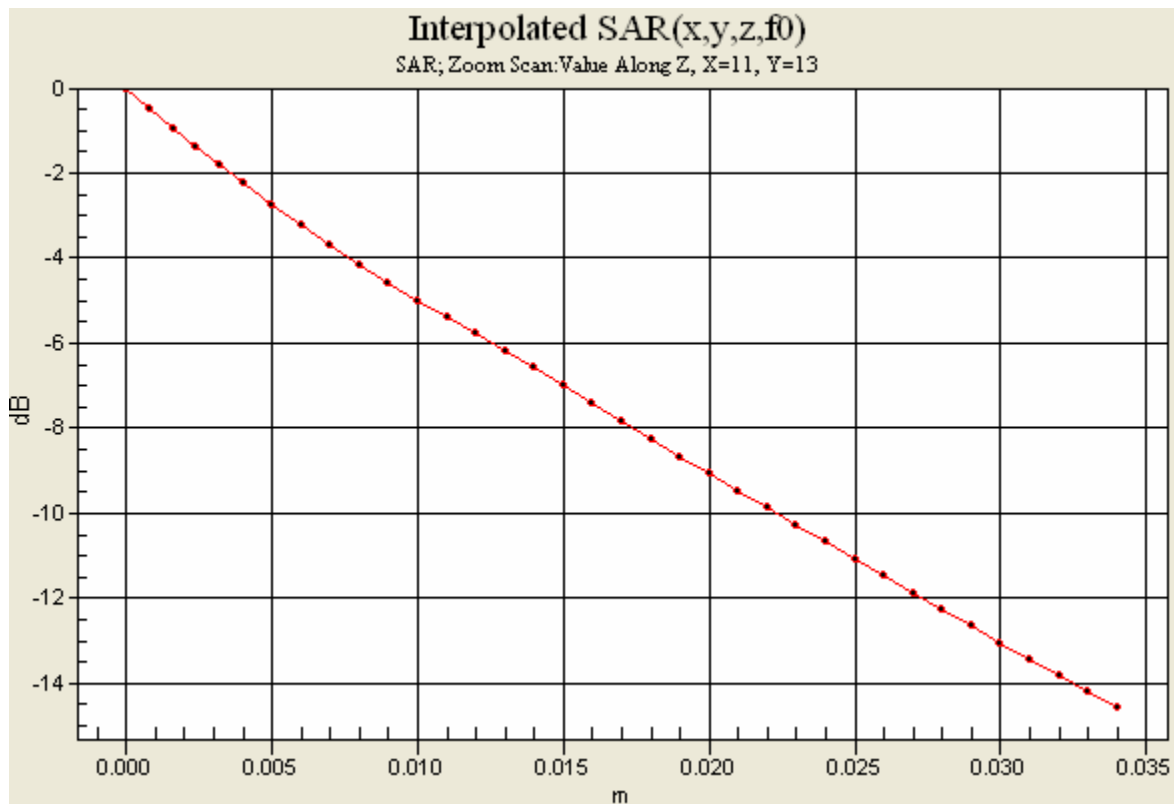
REPORT

77(102)

Prepared (also subject responsible if other) SEM/CV/PF/P Gerard Hayes and Rodney Dixon		No. REP 2008 003 W760a 02	
Approved SEM/CV/PF/P Gerard Hayes	Checked	11June2008	A



0 dB = 1.11mW/g





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REPORT

78(102)

Prepared (also subject responsible if other) SEM/CV/PF/P Gerard Hayes and Rodney Dixon		No. REP 2008 003 W760a 02	
Approved SEM/CV/PF/P Gerard Hayes	Checked	11June2008	A

SAR in 1900 GSM band. Measured with back of device facing the body using the ICE30 case. (Standard Battery, BST-38)

Date/Time: 5/28/2008 9:27:12 AM

File Name: [28May08_W760a_GSM1900_0QKX_ICE30_BB01.da4](#)

DUT: W760a body

Phantom: SAM with CRP (High Band Body) Phantom section: Flat Section

Probe: ET3DV6 - SN1587 ConvF(4.7, 4.7, 4.7)

Medium parameters used (interpolated): $f = 1850.2$ MHz; $\sigma = 1.48$ mho/m; $\epsilon_r = 51.1$; $\rho = 1000$ kg/m³

Measurement Standard: DASY4 (High Precision Assessment)

Program Notes: Battery - BST38 Humidity - 50.7 % Ambient Temp - 22.5 C Simulant Temp - 22.5 C

DASY4 Configuration:

- Probe: ET3DV6 - SN1587; ConvF(4.7, 4.7, 4.7); Calibrated: 5/19/2008

- Sensor-Surface: 4mm (Mechanical Surface Detection)

- Electronics: DAE3 Sn369; Calibrated: 5/19/2008

- Phantom: SAM with CRP (High Band Body); Type: SAM; Serial: TP: 1020

- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Unnamed procedure/Area Scan (51x81x1):

Measurement grid: dx=15mm, dy=15mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.751 mW/g

Unnamed procedure/Zoom Scan (7x7x7)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 10.9 V/m; Power Drift = -0.043 dB

Peak SAR (extrapolated) = 1.24 W/kg

SAR(1 g) = 0.692 mW/g; SAR(10 g) = 0.411 mW/g

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.743 mW/g

Unnamed procedure/Zoom Scan (31x31x36)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 10.9 V/m; Power Drift = -0.043 dB

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 1.24 mW/g

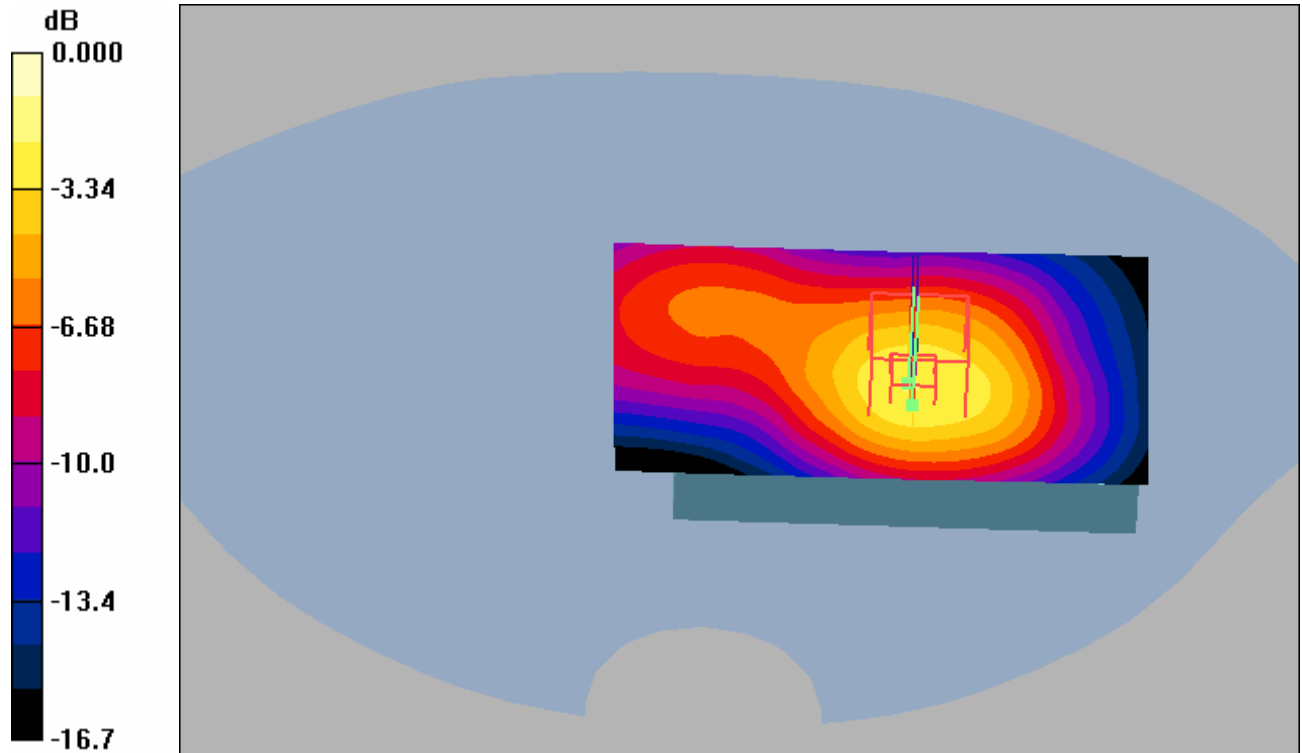


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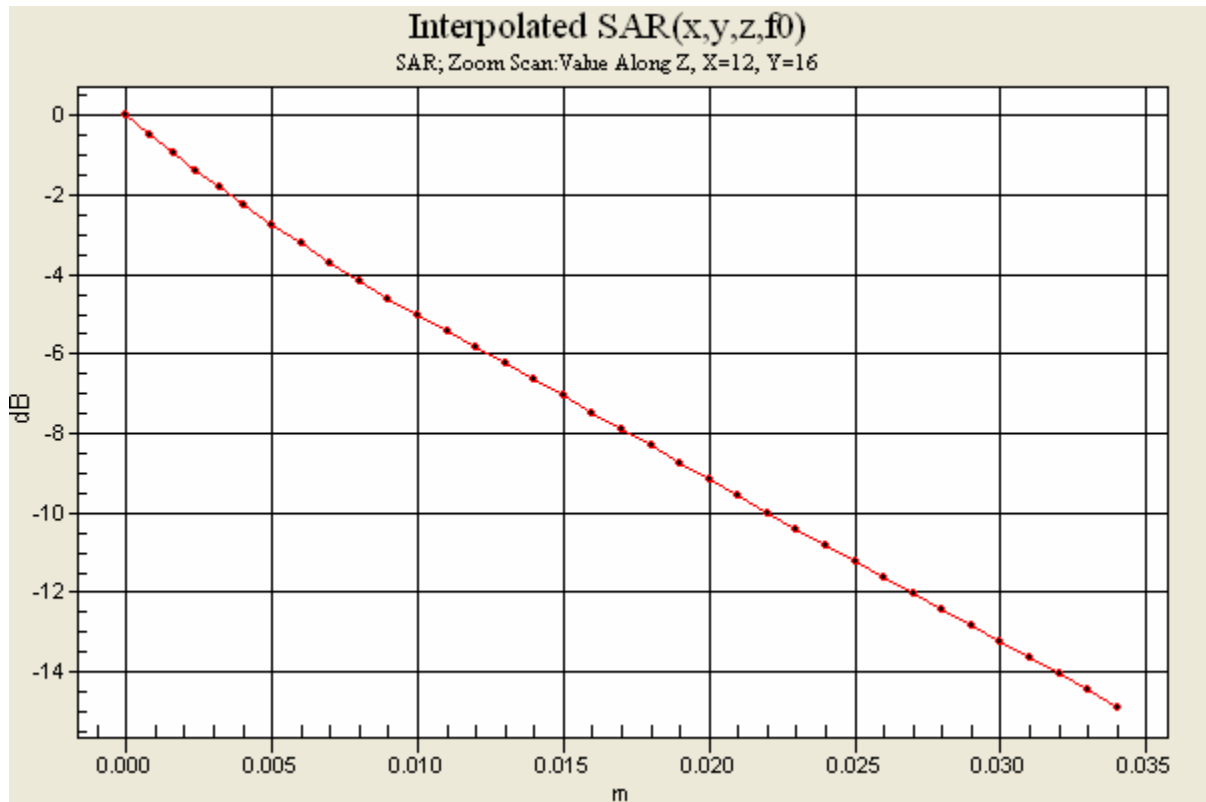
REPORT

79(102)

Prepared (also subject responsible if other) SEM/CV/PF/P Gerard Hayes and Rodney Dixon		No. REP 2008 003 W760a 02	
Approved SEM/CV/PF/P Gerard Hayes	Checked	11June2008	A



0 dB = 1.24mW/g





Prepared (also subject responsible if other) SEM/CV/PF/P Gerard Hayes and Rodney Dixon		No. REP 2008 003 W760a 02	
Approved SEM/CV/PF/P Gerard Hayes	Checked	11June2008	A

Distribution of maximum SAR in UMTS Band V (850MHz). Measured with back of device facing the body using a 15mm spacer. (Standard Battery, BST-38)

Date/Time: 6/3/2008 7:33:14 AM

File Name: [03June08_W760a_B5WCDMA_0QKF_15mm_BB01.da4](#)

DUT: W760a body

Phantom: SAM with CRP (Low Band Body) Phantom section: Flat Section

Probe: ET3DV6 - SN1587 ConvF(6.55, 6.55, 6.55)

Medium parameters used (interpolated): $f = 826.6$ MHz; $\sigma = 0.934$ mho/m; $\epsilon_r = 52.9$; $\rho = 1000$ kg/m³

Measurement Standard: DASY4 (High Precision Assessment)

Program Notes: Battery - BST38 Humidity - 47.3 % Ambient Temp - 20.6 C Simulant Temp - 21.2 C

DASY4 Configuration:

- Probe: ET3DV6 - SN1587; ConvF(6.55, 6.55, 6.55); Calibrated: 5/23/2007

- Sensor-Surface: 4mm (Mechanical Surface Detection)

- Electronics: DAE3 Sn369; Calibrated: 5/19/2008

- Phantom: SAM with CRP (Low Band Body); Type: SAM; Serial: TP: 1031

- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Unnamed procedure/Area Scan (51x81x1):

Measurement grid: dx=15mm, dy=15mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.327 mW/g

Unnamed procedure/Zoom Scan (7x7x7)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 12.7 V/m; Power Drift = -0.113 dB

Peak SAR (extrapolated) = 0.398 W/kg

SAR(1 g) = 0.299 mW/g; SAR(10 g) = 0.212 mW/g

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.318 mW/g

Unnamed procedure/Zoom Scan (31x31x36)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 12.7 V/m; Power Drift = -0.113 dB

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.398 mW/g

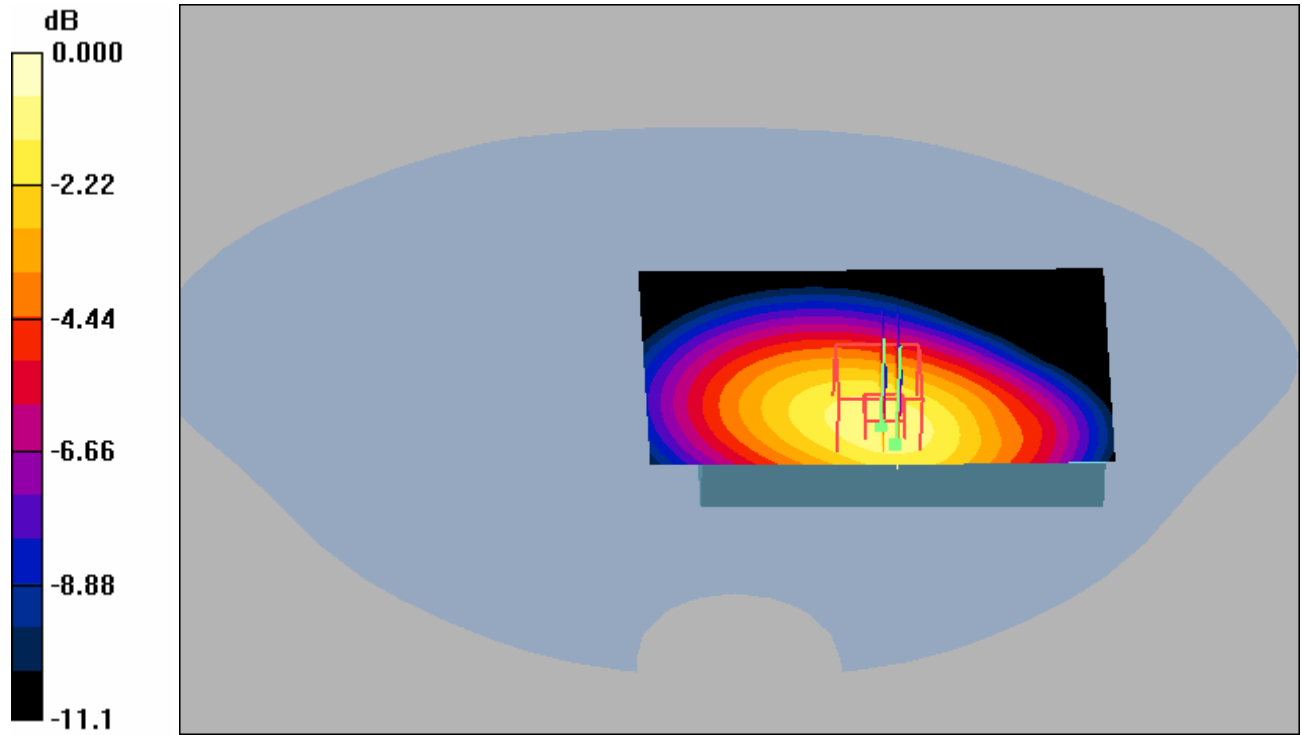


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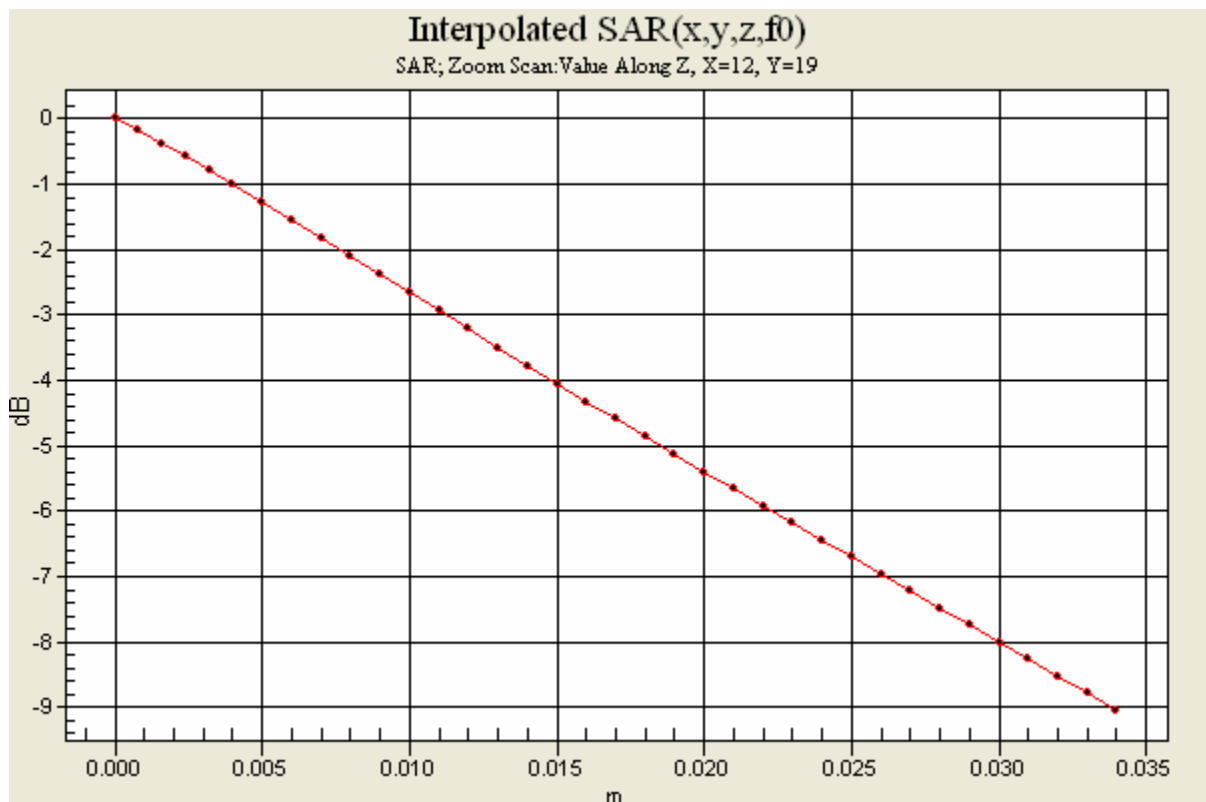
REPORT

81(102)

Prepared (also subject responsible if other) SEM/CV/PF/P Gerard Hayes and Rodney Dixon		No. REP 2008 003 W760a 02	
Approved SEM/CV/PF/P Gerard Hayes	Checked	11June2008	A



0 dB = 0.398mW/g





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REPORT

82(102)

Prepared (also subject responsible if other) SEM/CV/PF/P Gerard Hayes and Rodney Dixon		No. REP 2008 003 W760a 02	
Approved SEM/CV/PF/P Gerard Hayes	Checked	11June2008	A

Distribution of maximum SAR in UMTS Band II (1900 MHz). Measured with back of device facing the body using a 15mm spacer. (Standard Battery, BST-38)

Date/Time: 5/29/2008 6:54:35 AM

File Name: [29May08_W760a_B2WCDMA_0QLM_15mm_BB01.da4](#)

DUT: W760a body

Phantom: SAM with CRP (High Band Body) Phantom section: Flat Section

Probe: ET3DV6 - SN1587 ConvF(4.76, 4.76, 4.76)

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.53$ mho/m; $\epsilon_r = 50.9$; $\rho = 1000$ kg/m³

Measurement Standard: DASY4 (High Precision Assessment)

Program Notes: Battery - BST38 Humidity - 41.1 % Ambient Temp - 22 C Simulant Temp - 22.1 C

DASY4 Configuration:

- Probe: ET3DV6 - SN1587; ConvF(4.76, 4.76, 4.76); Calibrated: 5/23/2007

- Sensor-Surface: 4mm (Mechanical Surface Detection)

- Electronics: DAE3 Sn369; Calibrated: 5/19/2008

- Phantom: SAM with CRP (High Band Body); Type: SAM; Serial: TP: 1020

- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Unnamed procedure 2/Area Scan (51x81x1):

Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.657 mW/g

Unnamed procedure 2/Zoom Scan (7x7x7)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 10.6 V/m; Power Drift = -0.035 dB

Peak SAR (extrapolated) = 0.964 W/kg

SAR(1 g) = 0.594 mW/g; SAR(10 g) = 0.360 mW/g

Maximum value of SAR (measured) = 0.639 mW/g

Unnamed procedure 2/Zoom Scan (31x31x36)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 10.6 V/m; Power Drift = -0.035 dB

Maximum value of SAR (interpolated) = 0.964 mW/g

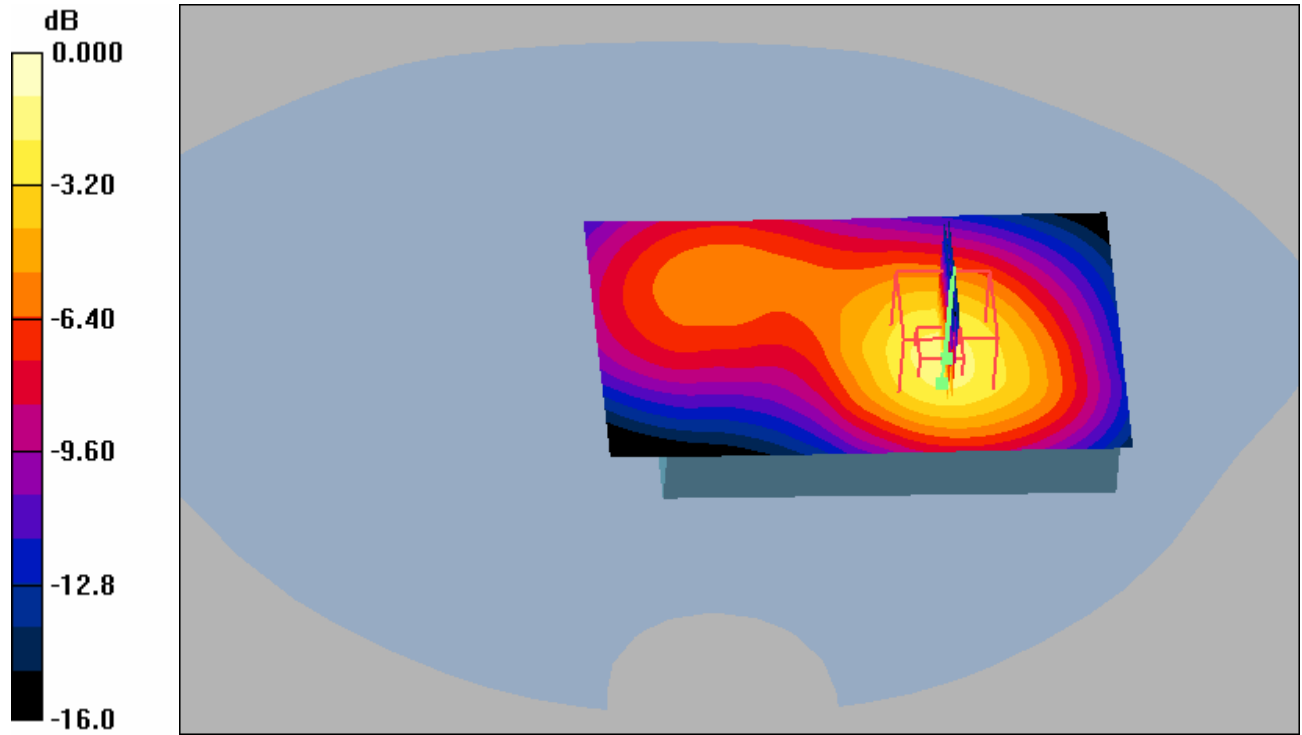


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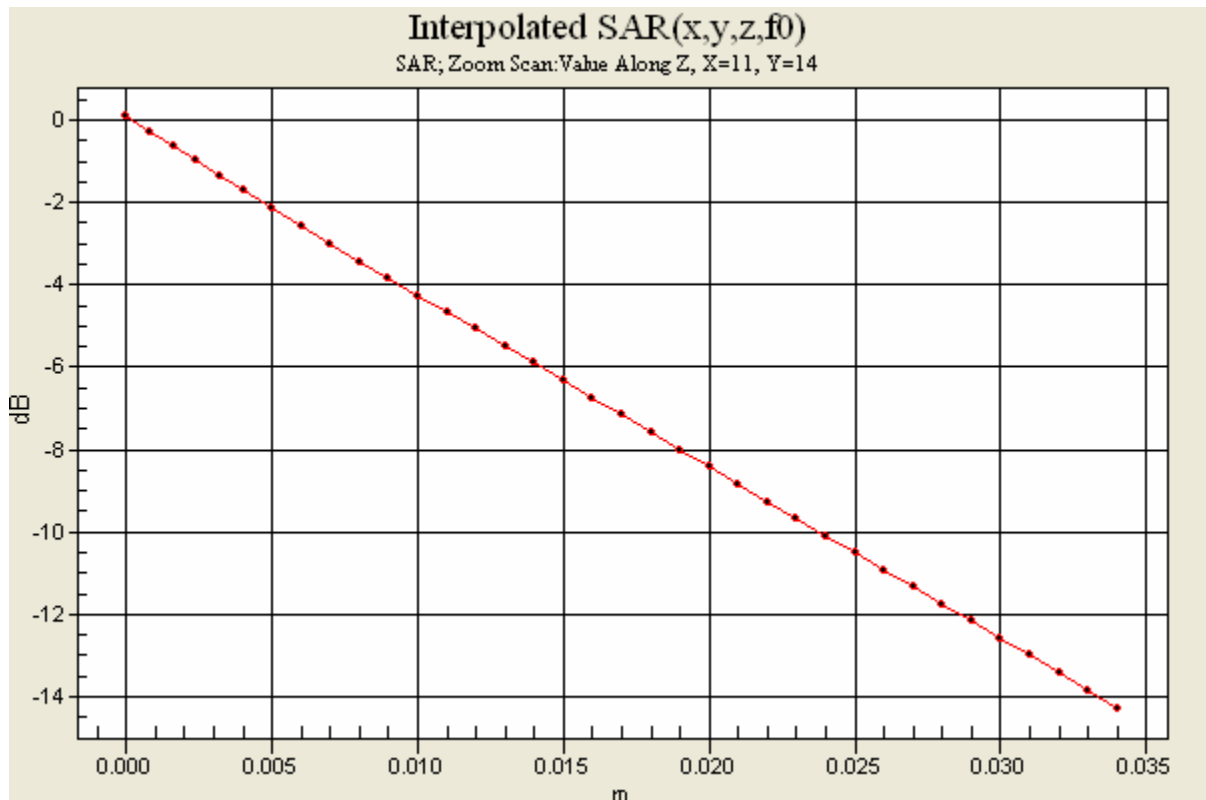
REPORT

83(102)

Prepared (also subject responsible if other) SEM/CV/PF/P Gerard Hayes and Rodney Dixon		No. REP 2008 003 W760a 02	
Approved SEM/CV/PF/P Gerard Hayes	Checked	11June2008	A



0 dB = 0.964mW/g





Prepared (also subject responsible if other) SEM/CV/PF/P Gerard Hayes and Rodney Dixon		No. REP 2008 003 W760a 02	
Approved SEM/CV/PF/P Gerard Hayes	Checked	11June2008	A

Distribution of maximum SAR in UMTS Band II (1900 MHz). Measured with back of device facing the body using the ICE30 case. (Standard Battery, BST-38)

Date/Time: 5/29/2008 9:30:38 AM

File Name: [29May08_W760a_B2WCDMA_0QLM_ICE30_BB01.da4](#)

DUT: W760a body

Phantom: SAM with CRP (High Band Body) Phantom section: Flat Section

Probe: ET3DV6 - SN1587 ConvF(4.76, 4.76, 4.76)

Medium parameters used (interpolated): $f = 1907.4$ MHz; $\sigma = 1.55$ mho/m; $\epsilon_r = 50.8$; $\rho = 1000$ kg/m³

Measurement Standard: DASY4 (High Precision Assessment)

Program Notes: Battery - BST38 Humidity - 43.4 % Ambient Temp - 22 C Simulant Temp - 22.1 C

DASY4 Configuration:

- Probe: ET3DV6 - SN1587; ConvF(4.76, 4.76, 4.76); Calibrated: 5/23/2007

- Sensor-Surface: 4mm (Mechanical Surface Detection)

- Electronics: DAE3 Sn369; Calibrated: 5/19/2008

- Phantom: SAM with CRP (High Band Body); Type: SAM; Serial: TP: 1020

- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Unnamed procedure 3/Area Scan (51x81x1):

Measurement grid: dx=15mm, dy=15mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.604 mW/g

Unnamed procedure 3/Zoom Scan (7x7x7)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 12.2 V/m; Power Drift = 0.016 dB

Peak SAR (extrapolated) = 0.907 W/kg

SAR(1 g) = 0.557 mW/g; SAR(10 g) = 0.336 mW/g

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.601 mW/g

Unnamed procedure 3/Zoom Scan (31x31x36)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 12.2 V/m; Power Drift = 0.016 dB

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.907 mW/g

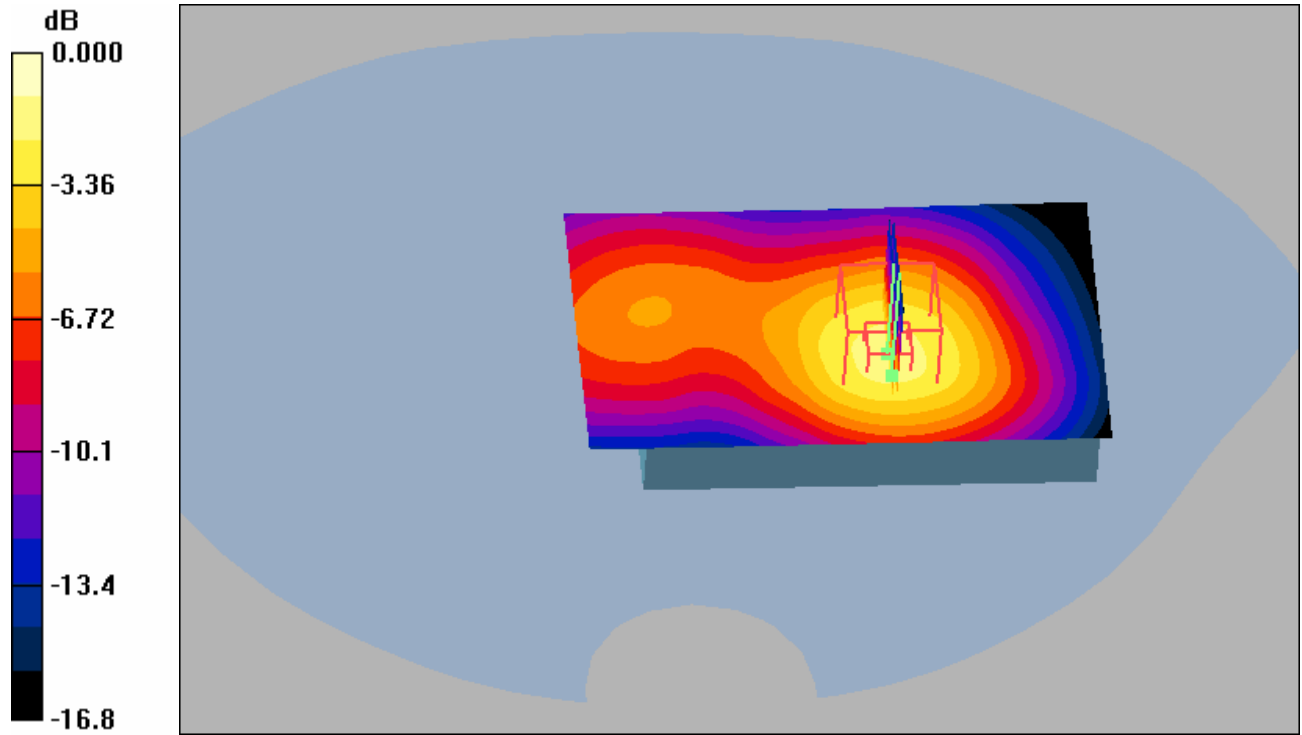


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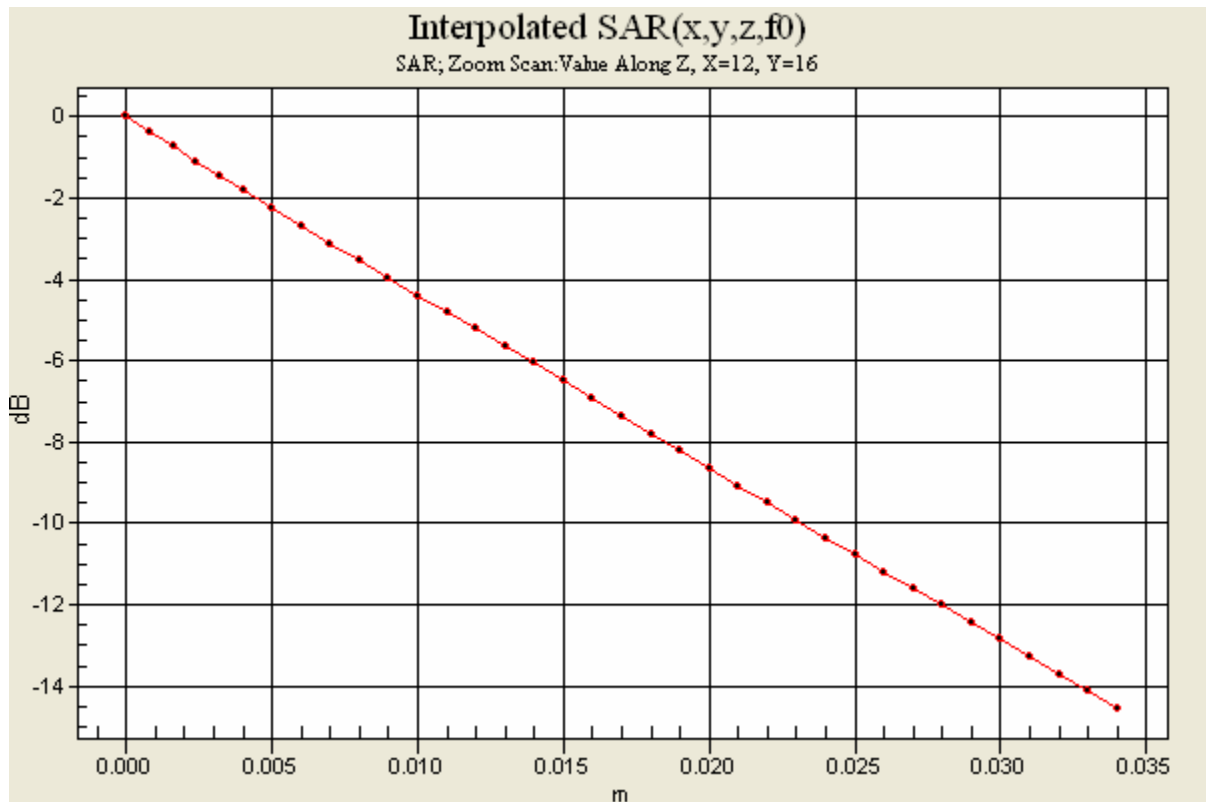
REPORT

85(102)

Prepared (also subject responsible if other) SEM/CV/PF/P Gerard Hayes and Rodney Dixon		No. REP 2008 003 W760a 02	
Approved SEM/CV/PF/P Gerard Hayes	Checked	11June2008	A



0 dB = 0.907mW/g



APPLICANT: Sony Ericsson Mobile Communications Inc.

FCC ID: **PY7A3252041**



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REPORT

86(102)

Prepared (also subject responsible if other) SEM/CV/PF/P Gerard Hayes and Rodney Dixon		No. REP 2008 003 W760a 02	
Approved SEM/CV/PF/P Gerard Hayes	Checked	11June2008	A

Appendix 4

Probe Calibration Certificates

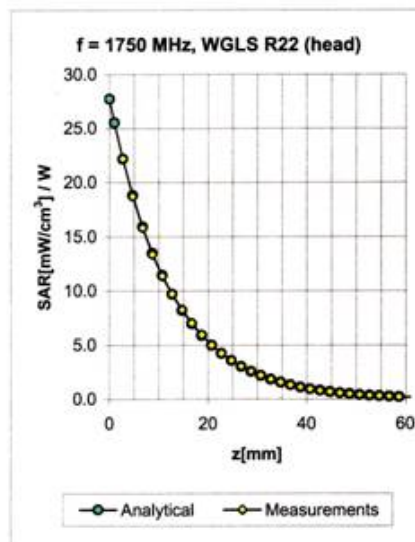
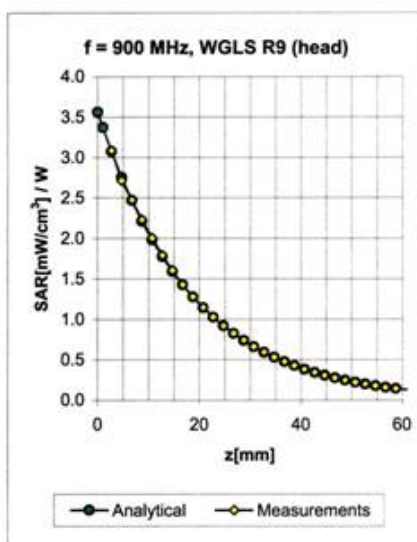


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Approved SEM/CV/PF/P Gerard Hayes	Checked	11June2008	A

ET3DV6 SN:1584

November 19, 2007

Conversion Factor Assessment



f [MHz]	Validity [MHz] ^c	TSL	Permittivity	Conductivity	Alpha	Depth	ConvF Uncertainty
835	± 50 / ± 100	Head	41.5 ± 5%	0.90 ± 5%	0.54	2.32	6.70 ± 11.0% (k=2)
900	± 50 / ± 100	Head	41.5 ± 5%	0.97 ± 5%	0.50	2.49	6.58 ± 11.0% (k=2)
1750	± 50 / ± 100	Head	40.1 ± 5%	1.37 ± 5%	0.67	2.04	5.30 ± 11.0% (k=2)
1900	± 50 / ± 100	Head	40.0 ± 5%	1.40 ± 5%	0.70	2.10	5.13 ± 11.0% (k=2)
2450	± 50 / ± 100	Head	39.2 ± 5%	1.80 ± 5%	0.68	2.24	4.56 ± 11.8% (k=2)
835	± 50 / ± 100	Body	55.2 ± 5%	0.97 ± 5%	0.54	2.49	6.32 ± 11.0% (k=2)
900	± 50 / ± 100	Body	55.0 ± 5%	1.05 ± 5%	0.62	2.17	6.06 ± 11.0% (k=2)
1750	± 50 / ± 100	Body	53.4 ± 5%	1.49 ± 5%	0.67	2.38	4.85 ± 11.0% (k=2)
1900	± 50 / ± 100	Body	53.3 ± 5%	1.52 ± 5%	0.54	2.72	4.62 ± 11.0% (k=2)
2450	± 50 / ± 100	Body	52.7 ± 5%	1.95 ± 5%	0.73	1.96	4.06 ± 11.8% (k=2)

^c The validity of ± 100 MHz only applies for DASY v4.4 and higher (see Page 2). The uncertainty is the RSS of the ConvF uncertainty at calibration frequency and the uncertainty for the indicated frequency band.



Prepared (also subject responsible if other) SEM/CV/PF/P Gerard Hayes and Rodney Dixon		No. REP 2008 003 W760a 02	
Approved SEM/CV/PF/P Gerard Hayes	Checked	11June2008	A

ET3DV6 SN:1584

November 19, 2007

DASY - Parameters of Probe: ET3DV6 SN:1584**Sensitivity in Free Space^A****Diode Compression^B**

NormX	1.96 ± 10.1%	$\mu\text{V}/(\text{V}/\text{m})^2$	DCP X	93 mV
NormY	1.87 ± 10.1%	$\mu\text{V}/(\text{V}/\text{m})^2$	DCP Y	93 mV
NormZ	1.93 ± 10.1%	$\mu\text{V}/(\text{V}/\text{m})^2$	DCP Z	93 mV

Sensitivity in Tissue Simulating Liquid (Conversion Factors)**Please see Page 8.****Boundary Effect****TSL 900 MHz Typical SAR gradient: 5 % per mm**

Sensor Center to Phantom Surface Distance		3.7 mm	4.7 mm
SAR _{be} [%]	Without Correction Algorithm	6.7	3.8
SAR _{be} [%]	With Correction Algorithm	0.8	0.3

TSL 1750 MHz Typical SAR gradient: 10 % per mm

Sensor Center to Phantom Surface Distance		3.7 mm	4.7 mm
SAR _{be} [%]	Without Correction Algorithm	12.3	8.0
SAR _{be} [%]	With Correction Algorithm	0.8	0.3

Sensor OffsetProbe Tip to Sensor Center **2.7 mm**

The reported uncertainty of measurement is stated as the standard uncertainty of measurement multiplied by the coverage factor k=2, which for a normal distribution corresponds to a coverage probability of approximately 95%.

^A The uncertainties of NormX,Y,Z do not affect the E²-field uncertainty inside TSL (see Page 8).

^B Numerical linearization parameter: uncertainty not required.

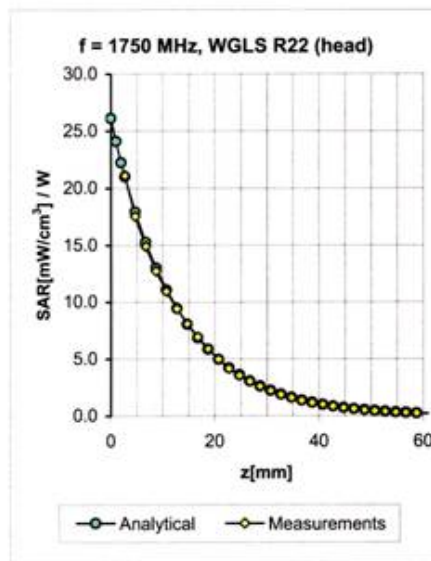
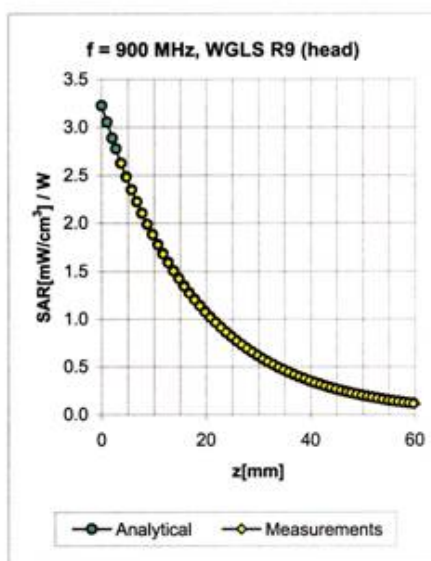


Prepared (also subject responsible if other) SEM/CV/PF/P Gerard Hayes and Rodney Dixon		No. REP 2008 003 W760a 02	
Approved SEM/CV/PF/P Gerard Hayes	Checked	11June2008	A

ET3DV6 SN:1586

May 23, 2007

Conversion Factor Assessment



f [MHz]	Validity [MHz] ^c	TSL	Permittivity	Conductivity	Alpha	Depth	ConvF Uncertainty
835	± 50 / ± 100	Head	41.5 ± 5%	0.90 ± 5%	0.65	1.70	6.63 ± 11.0% (k=2)
900	± 50 / ± 100	Head	41.5 ± 5%	0.97 ± 5%	0.54	1.88	6.29 ± 11.0% (k=2)
1750	± 50 / ± 100	Head	40.1 ± 5%	1.37 ± 5%	0.57	2.58	5.39 ± 11.0% (k=2)
1900	± 50 / ± 100	Head	40.0 ± 5%	1.40 ± 5%	0.51	2.89	5.17 ± 11.0% (k=2)
2450	± 50 / ± 100	Head	39.2 ± 5%	1.80 ± 5%	0.68	2.11	4.77 ± 11.8% (k=2)
835	± 50 / ± 100	Body	55.2 ± 5%	0.97 ± 5%	0.51	1.98	6.43 ± 11.0% (k=2)
900	± 50 / ± 100	Body	55.0 ± 5%	1.05 ± 5%	0.47	2.13	6.03 ± 11.0% (k=2)
1750	± 50 / ± 100	Body	53.4 ± 5%	1.49 ± 5%	0.76	2.27	5.04 ± 11.0% (k=2)
1900	± 50 / ± 100	Body	53.3 ± 5%	1.52 ± 5%	0.91	2.03	4.80 ± 11.0% (k=2)
2450	± 50 / ± 100	Body	52.7 ± 5%	1.95 ± 5%	0.74	2.03	4.11 ± 11.8% (k=2)

^c The validity of ± 100 MHz only applies for DASY v4.4 and higher (see Page 2). The uncertainty is the RSS of the ConvF uncertainty at calibration frequency and the uncertainty for the indicated frequency band.



Prepared (also subject responsible if other) SEM/CV/PF/P Gerard Hayes and Rodney Dixon		No. REP 2008 003 W760a 02	
Approved SEM/CV/PF/P Gerard Hayes	Checked	11June2008	A

ET3DV6 SN:1586

May 23, 2007

DASY - Parameters of Probe: ET3DV6 SN:1586**Sensitivity in Free Space^A****Diode Compression^B**

NormX	1.86 ± 10.1%	$\mu\text{V}/(\text{V}/\text{m})^2$	DCP X	96 mV
NormY	1.90 ± 10.1%	$\mu\text{V}/(\text{V}/\text{m})^2$	DCP Y	93 mV
NormZ	1.88 ± 10.1%	$\mu\text{V}/(\text{V}/\text{m})^2$	DCP Z	95 mV

Sensitivity in Tissue Simulating Liquid (Conversion Factors)

Please see Page 8.

Boundary Effect**TSL 900 MHz Typical SAR gradient: 5 % per mm**

Sensor Center to Phantom Surface Distance		3.7 mm	4.7 mm
SAR ₉₀ [%]	Without Correction Algorithm	8.2	4.4
SAR ₉₀ [%]	With Correction Algorithm	0.1	0.2

TSL 1750 MHz Typical SAR gradient: 10 % per mm

Sensor Center to Phantom Surface Distance		3.7 mm	4.7 mm
SAR ₉₀ [%]	Without Correction Algorithm	12.2	8.2
SAR ₉₀ [%]	With Correction Algorithm	0.8	0.1

Sensor OffsetProbe Tip to Sensor Center **2.7 mm**

The reported uncertainty of measurement is stated as the standard uncertainty of measurement multiplied by the coverage factor k=2, which for a normal distribution corresponds to a coverage probability of approximately 95%.

^A The uncertainties of NormX,Y,Z do not affect the E²-field uncertainty inside TSL (see Page 8).^B Numerical linearization parameter: uncertainty not required.

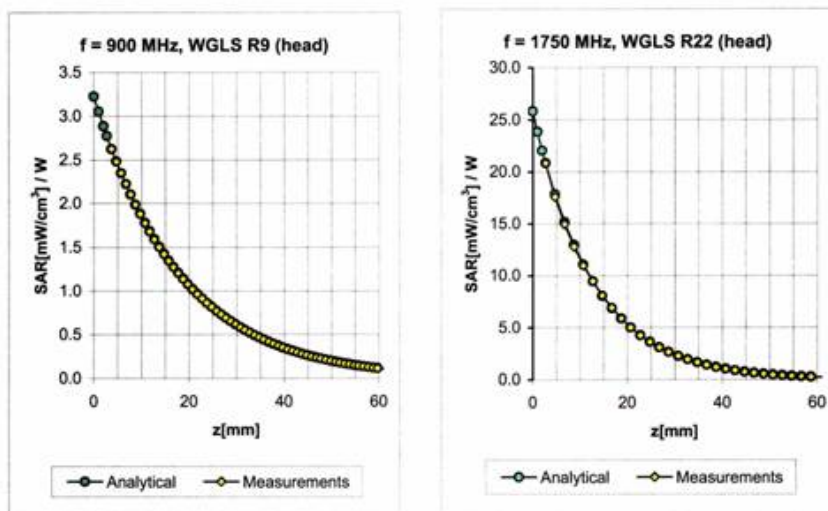


Prepared (also subject responsible if other) SEM/CV/PF/P Gerard Hayes and Rodney Dixon		No. REP 2008 003 W760a 02	
Approved SEM/CV/PF/P Gerard Hayes	Checked	11June2008	A

ET3DV6 SN:1587

May 23, 2007

Conversion Factor Assessment



f [MHz]	Validity [MHz] ^c	TSL	Permittivity	Conductivity	Alpha	Depth	ConvF Uncertainty
835	± 50 / ± 100	Head	41.5 ± 5%	0.90 ± 5%	0.59	1.77	6.71 ± 11.0% (k=2)
900	± 50 / ± 100	Head	41.5 ± 5%	0.97 ± 5%	0.57	1.78	6.44 ± 11.0% (k=2)
1750	± 50 / ± 100	Head	40.1 ± 5%	1.37 ± 5%	0.49	2.62	5.25 ± 11.0% (k=2)
1900	± 50 / ± 100	Head	40.0 ± 5%	1.40 ± 5%	0.46	2.86	5.04 ± 11.0% (k=2)
2450	± 50 / ± 100	Head	39.2 ± 5%	1.80 ± 5%	0.61	2.03	4.59 ± 11.8% (k=2)
835	± 50 / ± 100	Body	55.2 ± 5%	0.97 ± 5%	0.49	2.00	6.55 ± 11.0% (k=2)
900	± 50 / ± 100	Body	55.0 ± 5%	1.05 ± 5%	0.47	2.09	6.16 ± 11.0% (k=2)
1750	± 50 / ± 100	Body	53.4 ± 5%	1.49 ± 5%	0.61	2.47	5.01 ± 11.0% (k=2)
1900	± 50 / ± 100	Body	53.3 ± 5%	1.52 ± 5%	0.70	2.30	4.76 ± 11.0% (k=2)
2450	± 50 / ± 100	Body	52.7 ± 5%	1.95 ± 5%	0.54	2.38	4.09 ± 11.8% (k=2)

^c The validity of ± 100 MHz only applies for DASY v4.4 and higher (see Page 2). The uncertainty is the RSS of the ConvF uncertainty at calibration frequency and the uncertainty for the indicated frequency band.



Prepared (also subject responsible if other) SEM/CV/PF/P Gerard Hayes and Rodney Dixon		No. REP 2008 003 W760a 02	
Approved SEM/CV/PF/P Gerard Hayes	Checked	11June2008	A

ET3DV6 SN:1587

May 23, 2007

DASY - Parameters of Probe: ET3DV6 SN:1587**Sensitivity in Free Space^A****Diode Compression^B**

NormX	2.09 ± 10.1%	$\mu\text{V}/(\text{V}/\text{m})^2$	DCP X	92 mV
NormY	1.88 ± 10.1%	$\mu\text{V}/(\text{V}/\text{m})^2$	DCP Y	100 mV
NormZ	1.79 ± 10.1%	$\mu\text{V}/(\text{V}/\text{m})^2$	DCP Z	95 mV

Sensitivity in Tissue Simulating Liquid (Conversion Factors)

Please see Page 8.

Boundary Effect**TSL 900 MHz Typical SAR gradient: 5 % per mm**

Sensor Center to Phantom Surface Distance	3.7 mm	4.7 mm
SAR ₂₀₀ [%] Without Correction Algorithm	7.8	4.1
SAR ₂₀₀ [%] With Correction Algorithm	0.0	0.2

TSL 1750 MHz Typical SAR gradient: 10 % per mm

Sensor Center to Phantom Surface Distance	3.7 mm	4.7 mm
SAR ₂₀₀ [%] Without Correction Algorithm	12.4	8.5
SAR ₂₀₀ [%] With Correction Algorithm	0.5	0.1

Sensor OffsetProbe Tip to Sensor Center **2.7 mm**

The reported uncertainty of measurement is stated as the standard uncertainty of measurement multiplied by the coverage factor k=2, which for a normal distribution corresponds to a coverage probability of approximately 95%.

^A The uncertainties of NormX,Y,Z do not affect the E²-field uncertainty inside TSL (see Page 8).^B Numerical linearization parameter: uncertainty not required.

APPLICANT: Sony Ericsson Mobile Communications Inc.

FCC ID: **PY7A3252041**



Sony Ericsson

REPORT

93(102)

Prepared (also subject responsible if other) SEM/CV/PF/P Gerard Hayes and Rodney Dixon		No. REP 2008 003 W760a 02		
Approved SEM/CV/PF/P Gerard Hayes	Checked	11June2008	A	

Appendix 5

Measurement Uncertainty Budget



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Approved SEM/CV/PF/P Gerard Hayes	Checked	11June2008	A

Table 1. Uncertainty Budget for System Performance Check (Dipole & flat phantom) DASY4 System

<i>a</i>	<i>b</i>	<i>c</i>	<i>d</i>	$e = f(d,k)$	<i>f</i>	<i>g</i>	$h = c \times f / e$	$i = c \times g / e$	<i>k</i>
Uncertainty Component	Sec.	Tol. (± %)	Prob. Dist.	Div.	c_i (1-g)	c_i (10-g)	1-g u_i (±%)	10-g u_i (±%)	v_i
Measurement System									
Probe Calibration ($k=1$)	E2.1	4.7	R	1.73	0.707	0.707	1.9	1.9	∞
Axial Isotropy	E.2.2	9.6	R	1.73	0.707	0.707	3.9	3.9	∞
Hemispherical Isotropy	E.2.2	1.0	R	1.73	1	1	0.6	0.6	∞
Boundary Effect	E.2.3	4.7	R	1.73	1	1	2.7	2.7	∞
Linearity	E.2.4	1.0	R	1.73	1	1	0.6	0.6	∞
System Detection Limits	E.2.5	1.0	N	1	1	1	1.0	1.0	∞
Readout Electronics	E.2.6	0.8	R	1.73	1	1	0.5	0.5	∞
Response Time	E.2.7	2.6	R	1.73	1	1	1.5	1.5	∞
Integration Time	E.2.8	4.7	R	1.73	0.707	0.707	1.9	1.9	∞
RF Ambient Conditions	E.6.1	3.0	R	1.73	1	1	1.7	1.7	∞
Probe Positioner Mechanical Tolerance (corresponds to the mechanical constraints of the robot)	E.6.2	0.4	R	1.73	1	1	0.2	0.2	∞
Probe Positioning with respect to Phantom Shell	E.6.3	2.9	R	1.73	1	1	1.7	1.7	∞
Extrapolation, interpolation and Integration Algorithms for Max. SAR Evaluation	E.5	1.0	R	1.73	1	1	0.6	0.6	∞
Dipole									
Dipole Axis to Liquid Distance	8, E.4.2	1.0	R	1.73	1	1	0.6	0.6	∞
Input Power and SAR Drift Measurement	8, 6.6.2	5.0	R	1.73	1	1	2.9	2.9	∞
Phantom and Tissue Parameters									
Phantom Uncertainty - shell thickness tolerance	E.3.1	4.0	R	1.73	1	1	2.3	2.3	∞
Liquid Conductivity - deviation from target values (5)	E.3.2	4.3	R	1.73	0.64	0.43	1.59	1.07	∞
Liquid Conductivity - measurement uncertainty (6)	E.3.3	6.20	R	1.73	0.64	0.43	2.29	1.54	∞

**Sony Ericsson**

REPORT

95(102)

Prepared (also subject responsible if other) SEM/CV/PF/P Gerard Hayes and Rodney Dixon				No. REP 2008 003 W760a 02					
Approved SEM/CV/PF/P Gerard Hayes		Checked		11June2008		A			
Liquid Permittivity - deviation from target values (5)	E.3.2	3.7	R	1.73	0.6	0.49	1.28	1.05	∞
Liquid Permittivity - measurement uncertainty (6)	E.3.3	6.08	R	1.73	0.6	0.49	2.11	1.72	∞
Combined Standard Uncertainty			RSS				9.37	9.03	
Expanded Uncertainty (95% C.L.)							18.74	18.05	



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Approved SEM/CV/PF/P Gerard Hayes	Checked	11June2008	A

Table 2: Uncertainty Budget for the Device Under Test with DASY4 System

<i>a</i>	<i>b</i>	<i>c</i>	<i>d</i>	$e = f(d,k)$	<i>f</i>	<i>g</i>	$h = c \times f / e$	$i = c \times g / e$	<i>k</i>
Uncertainty Component	Sec.	Tol. (± %)	Prob. Dist.	Div.	c_i (1-g)	c_i (10-g)	1-g u_i (±%)	10-g u_i (±%)	v_i
Measurement System									
Probe Calibration ($k=1$)	E2.1	4.8	N	1	1	1	4.8	4.8	∞
Axial Isotropy	E.2.2	4.7	R	1.73	0.707	0.707	1.9	1.9	∞
Hemispherical Isotropy	E.2.2	9.6	R	1.73	0.707	0.707	3.9	3.9	∞
Boundary Effect	E.2.3	1.0	R	1.73	1	1	0.6	0.6	∞
Linearity	E.2.4	4.7	R	1.73	1	1	2.7	2.7	∞
System Detection Limits	E.2.5	1.0	R	1.73	1	1	0.6	0.6	∞
Readout Electronics	E.2.6	1.0	N	1	1	1	1.0	1.0	∞
Response Time	E.2.7	0.8	R	1.73	1	1	0.5	0.5	∞
Integration Time	E.2.8	2.6	R	1.73	1	1	1.5	1.5	∞
RF Ambient Conditions	E.6.1	3.0	R	1.73	1	1	1.7	1.7	∞
Probe Positioner Mechanical Tolerance (corresponds to the mechanical constraints of the robot)	E.6.2	0.4	R	1.73	1	1	0.2	0.2	∞
Probe Positioning with respect to Phantom Shell	E.6.3	2.9	R	1.73	1	1	1.7	1.7	∞
Extrapolation, interpolation and Integration Algorithms for Max. SAR Evaluation	E.5	1.0	R	1.73	1	1	0.6	0.6	∞
Test sample Related									
Test Sample Positioning	E.4.2	5.0	N	1	1	1	5.0	5.0	4
Device Holder Uncertainty	E.4.1	5.0	R	1.73	1	1	2.9	2.9	4
Output Power Variation - SAR drift measurement (4)	6.6.2	5.0	R	1.73	1	1	2.9	2.9	∞
Phantom and Tissue Parameters									
Phantom Uncertainty (shape and thickness tolerances)	E.3.1	4.0	R	1.73	1	1	2.3	2.3	∞

**Sony Ericsson**

REPORT

97(102)

Prepared (also subject responsible if other) SEM/CV/PF/P Gerard Hayes and Rodney Dixon				No. REP 2008 003 W760a 02					
Approved SEM/CV/PF/P Gerard Hayes				Checked 11June2008		A			

Liquid Conductivity - deviation from target values (5)	E.3.2	4.3	R	1.73	0.64	0.43	1.6	1.1	∞
Liquid Conductivity - measurement uncertainty (6)	E.3.3	6.20	R	1.73	0.64	0.43	2.3	1.5	∞
Liquid Permittivity - deviation from target values (5)	E.3.2	3.7	R	1.73	0.6	0.49	1.3	1.0	∞
Liquid Permittivity - measurement uncertainty (6)	E.3.3	6.08	R	1.73	0.6	0.49	2.1	1.7	∞
Combined Standard Uncertainty			RSS				11.0	10.7	
Expanded Uncertainty (95% CONFIDENCE LEVEL)			K=2				22.0	21.4	

**Sony Ericsson**

REPORT

98(102)

Prepared (also subject responsible if other) SEM/CV/PF/P Gerard Hayes and Rodney Dixon		No. REP 2008 003 W760a 02	
Approved SEM/CV/PF/P Gerard Hayes	Checked	11June2008	A

Table 3a. Values for ϵ'

Uncertainty Component	Tolerance (±%)	Probability Distribution	Divisor	c_i	Standard Uncertainty (±%)	v_i or v_{eff}
Repeatability (n repeats)	0.97	N	1	1	0.97	4
Network analyzer uncertainty sources	8.38	R	1.73	1	4.83	∞
Dielectric Error Sources	5.93	R	1.73	1	3.42	∞
Combined standard uncertainty					6.08	

Table 3b. Values for σ

Uncertainty Component	Tolerance (±%)	Probability Distribution	Divisor	c_i	Standard Uncertainty (±%)	v_i or v_{eff}
Repeatability (n repeats)	1.85	N	1	1	1.85	4
Network analyzer uncertainty sources	8.38	R	1.73	1	4.83	∞
Dielectric Error Sources	5.93	R	1.73	1	3.42	∞
Combined standard uncertainty					6.20	

APPLICANT: Sony Ericsson Mobile Communications Inc.

FCC ID: **PY7A3252041**



Sony Ericsson

REPORT

99(102)

Prepared (also subject responsible if other) SEM/CV/PF/P Gerard Hayes and Rodney Dixon		No. REP 2008 003 W760a 02	
Approved SEM/CV/PF/P Gerard Hayes	Checked	11June2008	A

Appendix 6

Photographs of the Device Under Test

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REPORT

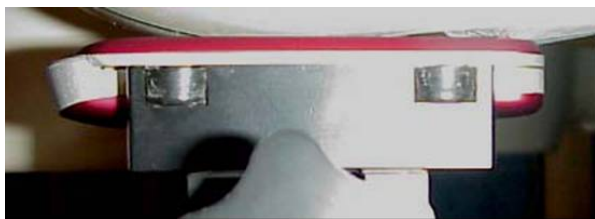
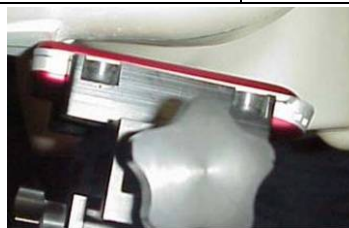
100(102)

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Approved SEM/CV/PF/P Gerard Hayes	Checked	11June2008	A

Front:**Back:****Side:****Position of device against head phantom using the “cheek” position**



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Approved SEM/CV/PF/P Gerard Hayes	Checked	11June2008	A

**“cheek/touch” position****“tilt” position**

Position with device against flat phantom using an ICE30 carry case with hands free accessory.

**Front of device against flat phantom****Back of device against flat phantom.**

Position with device against flat phantom using a 15mm spacer with hands free accessory.

**Front of device against flat phantom****Back of device against flat phantom.**

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REPORT

102(102)

Prepared (also subject responsible if other) SEM/CV/PF/P Gerard Hayes and Rodney Dixon		No. REP 2008 003 W760a 02	
Approved SEM/CV/PF/P Gerard Hayes	Checked	11June2008	A

**Accessory: ICE30 front.****ICE30 back.****Handsfree Accessory:**