Prepared (also subject responsible if other)	No.	
SEM/CV/PF/P Gerard Hayes and Rodney Dixon	REP 2007 003 Z750i 02	
Approved / Checked		
SEM/CV/PF/P Gerard Hayes	D	

Exhibit 11: SAR Test Report of Portable Cellular Phone FCC ID: PY7A3252022 Model : Z750i

Date of test: August 02 – August 14, 2007
Date of Report: September 19, 2007

Laboratory: SAR Testing Laboratory Sony Ericsson Mobile Communications, Inc. 7001 Development Drive, P.O. Box 13969, Research Triangle Park, NC, 27709, USA

Tested by: Rodney Dixon
Eng. Technician IV, Product Verification Group

Test Responsible: Gerard Hayes
Technical Manager

Accreditation:

A2LA Certificate #1650-01

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

- 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 PY7A3252022 model Z750i 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)

Prepared (also subject responsible if other)	No.	
SEM/CV/PF/P Gerard Hayes and Rodney Dixon	REP 2007 003 Z750i 02	
Approved / Checked		
SEM/CV/PF/P Gerard Hayes	D	

Table of Contents

Prepared (also subject responsible if other)	No.	
SEM/CV/PF/P Gerard Hayes and Rodney Dixon	REP 2007 003 Z750i 02	
Approved / Checked		
SEM/CV/PF/P Gerard Hayes	D	

1. Introduction

The Sony Ericsson SAR Laboratory has performed measurements of the maximum potential exposure to the user of portable cellular phone FCC ID PY7A3252022 model Z750i. 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	PIFA	
Location	Hinge Section of the Handset	
Dimensions	Width	40.0 mm
	Length	13.5 mm
	Height	6 mm

2.2 Device description

FCC ID Number / Device Model	**PY7A3252022 / Z750i**	
Hardware Revision # **Software Revision #**	**FP2** **R1BA016**	
Mode(s) of Operation **Transmitting Frequency Range**		**Serial number of Device Tested**
	GSM/GPRS/EDGE 824-849 MHz	BD30949CLJ
	GSM/GPRS/EDGE 1850-1910 MHz	BD30949CLS
	UMTS/HSDPA Band V (824-849 MHz)	BD30949CLJ
	UMTS/HSDPA Band II (1850-1910 MHz)	BD30949CLG
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	f_{low}	32.0 dBm +0.3/0.75 dB	29.5 dBm +0.5/-1.0 dB
	f_{mid}	32.0 dBm +0.3/-0.75 dB	29.5 dBm +0.5/-1.0 dB
	f_{high}	32.0 dBm +0.3/-0.75 dB	29.5 dBm +0.5/-1.0 dB
Calibration Frequency (f_{low}, f_{mid} , f_{high})		f_{low}, f_{mid} , f_{high}	f_{low}, f_{mid} , f_{high}
Duty Cycle		1/8	1/8

Prepared (also subject responsible if other)	No.	
SEM/CV/PF/P Gerard Hayes and Rodney Dixon	REP 2007 003 Z750i 02	
Approved / Checked		D
SEM/CV/PF/P Gerard Hayes		

Device description (continued)

GPRS Multislot- Class 10		**850 MHz**			**1900 MHz**
Target Value and Factory Tolerance Window for Maximum Output Power Setting	f_{low}	28.7 dBm +0.4/-0.4 dB			Same as GSM 1:8
	f_{mid}	28.7 dBm +0.4/-0.4 dB			Same as GSM 1:8
	f_{high}	28.7 dBm +0.4/-0.4 dB			Same as GSM 1:8
Calibration Frequency (f_{low}, f_{mid}, f_{high})	f_{low}, f_{mid}, f_{high}				f_{low}, f_{mid}, f_{high}
Duty Cycle	1/4				1/4
EGPRS Multislot- Class 10		**850 MHz**			**1900 MHz**
Target Value and Factory Tolerance Window for Maximum Output Power Setting	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
Calibration Frequency (f_{low}, f_{mid}, f_{high})	f_{low}, f_{mid}, f_{high}				f_{low}, f_{mid}, f_{high}
Duty Cycle	1/4				1/4
		850 MHz Band V		**1900 MHz Band II**	
W-CDMA (Circuit Switched, UMTS Mode)	f_{low}	22.8 dBm + 0.5/- 0.5 dB		22.5 dBm + 0.5/- 0.5 dB	
Target Value and Factory Tolerance Window for Maximum Output Power Setting	f_{mid}	22.8 dBm + 0.5/- 0.5 dB		22.5 dBm + 0.5/- 0.5 dB	
RMC 12.2, βc=8, βd=15	f_{high}	22.8 dBm + 0.5/- 0.5 dB		22.5 dBm + 0.5/- 0.5 dB	
Calibration Frequency (f_{low}, f_{mid}, f_{high})	f_{low}, f_{mid}, f_{high}			f_{low}, f_{mid}, f_{high}	
Duty Cycle	1/1			1/1	

Prepared (also subject responsible if other)	No.	
SEM/CV/PF/P Gerard Hayes and Rodney Dixon	REP 2007 003 Z750i 02	
Approved / Checked		
SEM/CV/PF/P Gerard Hayes	D	

Device description (continued)

W-CDMA (HSDPA Mode) FCC Defined Settings		**850 MHz Band V**		**1900 MHz Band II**	
Target Value and Factory Tolerance Window for Maximum Output Power Setting	**f_{low}**	22.8 dBm + 0.5/- 0.5 dB		22.5 dBm + 0.5/- 0.5 dB	
	f_{mid}	22.8 dBm + 0.5/- 0.5 dB		22.5 dBm + 0.5/- 0.5 dB	
	f_{high}	22.8 dBm + 0.5/- 0.5 dB		22.5 dBm + 0.5/- 0.5 dB	
Duty Cycle		1/1		1/1	

Relevant CMU Settings (βc, βd, etc.) for HSDPA operation:		
	RMC	**12.2**
	βc	**9**
	βd	**15**
	Δ ACK	**5**
	Δ NACK	**5**
	Δ CQI	**2**

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 ±9.93% (K=1) with an expanded uncertainty of ±19.87% (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	392	29-May-2008
DASY3 DAE V1	369	21-May-2008
DASY3 DAE V1	431	29-May-2008
E-Field Probe ETDV6	1538	23-May-2008
E-Field Probe ETDV6	1586	23-May-2008
E-Field Probe ETDV6	1587	23-May-2008
Dipole Validation Kit, DV835V2	438	21-May-2008
Dipole Validation Kit, DV900V2	035	24-May-2008
Dipole Validation Kit, DV1800V2	217	20-Nov-2007
Dipole Validation Kit, DV1900V2	536	23-May-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 900MHz (Head and Body)	1023/1251	
S.A.M. Phantom used for 1800MHz (Head and Body)	1054/1335	
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, 2008
Power Meter 437B	3125U16382	December 18, 2007
Power Meter 437B	3125U16190	May 03, 2008
Power Sensor - 8482H	MY41090241	June 06, 2008
Power Sensor - 8482H	3318A09268	July 11, 2008
Dielectric Probe Kit HP85070B	US33020256	Sept. 11, 2007
Digital Thermometer 61220-601 And Probe (61220-604)	350078	November 11, 2007
Digital Hygrometer/ Thermometer	21242911	December 7, 2007
HP RF Amplifier 8347A	3307A1069	May 03, 2008

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 ρ=1g/cm3 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]. During the tests, the ambient temperature of the laboratory was in the range 20.8-22.7 °C, the relative humidity was in the range 39.9 – 55.3 % 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	August 2, 2007	41.18	0.9058	21.8
		Recommended Limits	41.5	0.9	20-25
		August 8, 2007	40.83	0.9064	21.5
		Recommended Limits	41.5	0.9	20-25
	Body	August 3, 2007	53.6	1.017	21.3
		Recommended Limits	55.2	0.97	20-25
		August 9, 2007	53.6	1.017	21.6
		Recommended Limits	55.2	0.97	20-25
1900	Head	August 2, 2007	38.11	1.464	22.4
		August 3, 2007	38.34	1.464	21.3
		August 9, 2007	38.24	1.46	21.4
		Recommended Limits	40	1.4	20-25
	Body	August 5, 2007	51.44	1.555	21.4
		August 6, 2007	51.24	1.556	21.4
		August 7, 2007	51.27	1.55	21.6
		August 8, 2007	51.46	1.552	21.8
		August 10, 2007	38.19	1.468	21.3
		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%	--	--

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). During the tests, the ambient temperature of the laboratory was in the range 20.8-22.7 °C, the relative humidity was in the range 39.9 – 55.3 % 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.

f			SAR (W/kg)		Dielectric Parameters		Tissue
(MHz)	Tissue Type	Date Measured	1g	10g	ε_r	σ (S/m)	Temp (°C)
835	Head	Aug-02-07	9.27	6.02	41.18	0.91	21.8
		Recommended Limits	**9.50**	**6.20**	**41.50**	**0.90**	**20-25**
		Aug-08-07	9.35	6.07	40.83	0.91	21.5
		Recommended Limits	**9.50**	**6.20**	**41.50**	**0.90**	**20-25**
	Body	Aug-03-07	9.02	5.91	53.6	1.02	21.3
		Aug-09-07	9.79	6.41	53.6	1.02	21.6
		Recommended Limits	**9.90**	**6.46**	**55.20**	**0.97**	**20-25**
1900	Head	Aug-02-07	42.01	21.98	38.11	1.46	22.4
		Aug-03-07	37.62	19.86	38.34	1.46	21.3
		Aug-09-07	38.43	20.24	38.24	1.46	21.4
		Recommended Limits	**39.7**	**20.5**	**40**	**1.4**	**20-25**
	Body	Aug-05-07	38.67	20.56	51.44	1.56	21.4
		Aug-06-07	38.71	20.63	51.24	1.56	21.4
		Aug-07-07	39.96	21.23	51.27	1.55	21.6
		Aug-08-07	38.96	20.73	51.46	1.55	21.8
		Aug-10-07	38.12	20.08	38.19	1.47	21.3
		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 0.00027 W/kg, which is below the recommended limit in [1].

6. 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.

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-SET3 QPSK
CQI feedback = 2msec
ΔACK = ΔNACK = ΔCQI = 8

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

Table 6.0: Conducted Power Summary for UMTS - HSDPA Modes

					Band 1			Band 2			Band 5		
Settings				Freq. (MHz):	**1922.4**	**1950**	**1977.6**	**1852.4**	**1880**	**1907.6**	**826.4**	**835**	**846.6**
	βC	βD	ΔHS	max (dBm):	23.5	23.5	23.5	23.0	23.0	23.0	23.3	23.3	23.3
CS - RMC	8	15	-	measured (dBm)	23.4	23.4	23.4	22.9	23.0	22.9	23.3	23.1	23.2
CS - Voice	8	15	-	measured (dBm)	23.4	23.4	23.4	22.9	22.9	22.9	23.3	23.2	23.3
HSDPA - 1	2	15	8	measured (dBm)	23.3	23.3	23.3	22.8	22.8	22.8	23.2	23.1	23.1
HSDPA - 2	12	15	8	measured (dBm)	23.0	23.0	23.0	22.5	22.5	22.5	22.9	22.7	22.8
HSDPA - 3	15	8	8	measured (dBm)	22.4	22.4	22.4	21.8	21.9	21.8	22.2	22.1	22.2
HSDPA - 4	15	4	8	measured (dBm)	21.4	21.4	21.4	20.8	20.9	20.9	21.1	21.1	21.1

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.

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, βc=8, and βd=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.

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, βc=8, and βd=15

Also according to FCC guidance, in the configurations that yielded the highest values in UMTS circuit switched mode, measurements were repeated with the device in HSDPA with the following settings:

RMC=12.2, βc=9, βd=15, Δ ACK=5, Δ NACK =5, and Δ CQI =2.

Similar to head measurements, in all configurations, tests were conducted with Bluetooth functionality turned off. Then for each band and mode, using the configuration that yielded the highest SAR value, the measurements were repeated with Bluetooth enabled.

The Cellular Phone FCC ID PY7A3252022 has one battery option, BKB 193 203 (BST-33). The phone was placed in the SAR measurement system with a fully charged battery for each measurement.

6.1 Head Adjacent Test Results

The SAR results shown in Tables 1 through 4 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.

During the tests, the ambient temperature of the laboratory was in the range 20.8-22.7 °C, the relative humidity was in the range 39.9 – 55.3 % 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)	No.	
SEM/CV/PF/P Gerard Hayes and Rodney Dixon	REP 2007 003 Z750i 02	
Approved / Checked		D
SEM/CV/PF/P Gerard Hayes		

Band	Channel/ frequency (MHz)	Conducted Output Power (dBm) GSM 1:8 Duty Cycle	FCC ID PY7A3252022 with Standard Battery BST-33 Left Head (Cheek / Touch Position) Measured (W/kg) 1g / 10g		Drift (dB)	Extrapolated (W/kg) 1g / 10g		Ambient Temp (°C)	Simulate Temp (°C)
800 GSM	128 / 824	32.0	1.10	0.77	0.00	1.10	0.77		
	189 / 837	32.3	1.36	0.95	-0.11	1.36	0.95		
	251 / 849	**32.2**	**1.37**	**0.95**	**-0.10**	**1.37**	**0.95**	21.5	21.8
1900 GSM	512 / 1850	29.9	0.36	0.20	-0.01	0.37	0.21		
	660/1880	**29.9**	**0.43**	**0.24**	**-0.04**	**0.44**	**0.25**		
	810/1910	29.8	0.41	0.23	-0.04	0.42	0.24	22.7	22.4

Band	Channel/ frequency (MHz)	Conducted Output Power (dBm) GSM 1:8 Duty Cycle	FCC ID PY7A3252022 with Standard Battery BST-33 Left Head (15° Tilt Position) Measured (W/kg) 1g / 10g		Drift (dB)	Extrapolated (W/kg) 1g / 10g		Ambient Temp (°C)	Simulate Temp (°C)
	128 / 824	32.0	0.37	0.28	-0.14	0.37	0.28		
	189 / 837	**32.3**	**0.46**	**0.34**	**-0.03**	**0.46**	**0.34**		
800 GSM	251 / 849	32.2	0.42	0.31	-0.01	0.42	0.31	21.5	21.8
	512 / 1850	29.9							
	660/1880	**29.9**	**0.15**	**0.09**	**0.04**	**0.15**	**0.09**		
1900 GSM	810/1910	29.8						22.7	22.4

Table 1: SAR measurement results for the portable cellular telephone FCC ID PY7A3252022 model Z750i at maximum output power with Standard Battery BST-33. Measured against the left head in GSM mode.

Prepared (also subject responsible if other)	No.	
SEM/CV/PF/P Gerard Hayes and Rodney Dixon	REP 2007 003 Z750i 02	
Approved / Checked		
SEM/CV/PF/P Gerard Hayes	D	

Band	Channel/ frequency (MHz)	Conducted Output Power (dBm)	FCC ID PY7A3252022 with Standard Battery BST-33 Right Head (Cheek / Touch Position)						
		GSM 1:8 Duty Cycle	Measured (W/kg) 1g / 10g		Drift (dB)	Extrapolated (W/kg) 1g / 10g		Ambient Temp (°C)	Simulate Temp (°C)
800 GSM	128 / 824	32.0	1.18	0.83	-0.08	1.18	0.83		
	189 / 837	**32.3**	**1.48**	**1.04**	**-0.11**	**1.48**	**1.04**		
	251 / 849	32.2	1.33	0.94	-0.04	1.33	0.94	20.8	21.4
Bluetooth On	189 / 837	32.3	1.38	0.975	-0.05	1.38	0.98	21.3	21.5
1900 GSM	512 / 1850	29.9	0.52	0.29	-0.02	0.53	0.30		
	660/1880	29.9	0.56	0.32	-0.05	0.57	0.32		
	810/1910	**29.8**	**0.61**	**0.34**	**0.04**	**0.62**	**0.34**	21.5	22.1
Bluetooth On	810/1910	29.8	0.55	0.31	-0.04	0.56	0.31	21.4	21.9

Band	Channel/ frequency (MHz)	Conducted Output Power (dBm)	FCC ID PY7A3252022 with Standard Battery BST-33 Right Head (15° Tilt Position)						
		GSM 1:8 Duty Cycle	Measured (W/kg) 1g / 10g		Drift (dB)	Extrapolated (W/kg) 1g / 10g		Ambient Temp (°C)	Simulate Temp (°C)
	128 / 824	32.0	0.38	0.29	-0.05	0.38	0.29		
	189 / 837	**32.3**	**0.45**	**0.34**	**-0.04**	**0.45**	**0.34**		
800 GSM	251 / 849	32.2	0.43	0.32	0.00	0.43	0.32	20.8	21.4
	512 / 1850	29.9							
	660/1880	**29.9**	**0.13**	**0.08**	**-0.02**	**0.13**	**0.08**		
1900 GSM	810/1910	29.8						21.5	22.1

Table 2: SAR measurement results for the portable cellular telephone FCC ID PY7A3252022 model Z750i at maximum output power with Standard Battery BST-33. Measured against the right head in GSM mode.

Prepared (also subject responsible if other)	No.	
SEM/CV/PF/P Gerard Hayes and Rodney Dixon	REP 2007 003 Z750i 02	
Approved / Checked		
SEM/CV/PF/P Gerard Hayes	D	

Band	Channel/ frequency (MHz)	Conducted Output Power (dBm)	FCC ID PY7A3252022 with Standard Battery BST-33						
			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)
	4133/826.6	23.2	1.09	0.767	-0.14	1.12	0.78		
	4175/835	23.2	1.16	0.814	-0.18	1.19	0.83		
Band V	4232/846.4	**23.2**	**1.24**	**0.863**	**-0.15**	**1.27**	**0.88**	21.3	21.5
	9263/1852.6	22.8	0.754	0.421	-0.08	0.77	0.43		
	9400/1880	22.8	0.746	0.418	-0.11	0.76	0.43		
Band II	9537/1907.4	**22.9**	**0.843**	**0.471**	**-0.09**	**0.86**	**0.48**	21.4	21.4

Band	Channel/ frequency (MHz)	Conducted Output Power (dBm)	FCC ID PY7A3252022 with Standard Battery BST-33						
			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)
	4133/826.6	23.2	0.432	0.326	0.06	0.44	0.33		
	4175/835	23.2	0.444	0.334	-0.01	0.45	0.34		
Band V	4232/846.4	**23.2**	**0.476**	**0.357**	**0.03**	**0.49**	**0.37**	21	21.3
	9263/1852.6	22.8							
	9400/1880	**22.8**	**0.228**	**0.141**	**-0.06**	**0.23**	**0.14**		
Band II	9537/1907.4	22.9						21.7	21.4

Table 3: UMTS SAR measurement results for the portable cellular telephone FCC ID PY7A3252022 model Z750i at maximum output power with Standard Battery BST-33. Measured against the left head in UMTS mode.

Band	Channel/ frequency (MHz)	Conducted Output Power (dBm)	FCC ID PY7A3252022 with Standard Battery BST-33 — 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	23.2	1.15	0.82	-0.03	1.18	0.84		
	4175/835	23.2	1.27	0.90	0.00	1.30	0.92		
	4232/846.4	**23.2**	**1.34**	**0.96**	**0.02**	**1.37**	**0.98**	20.8	21.2
Bluetooth On	4232/846.4	23.2	1.29	0.92	0.01	1.32	0.94	21.7	21.3
Band II	9263/1852.6	22.8	0.91	0.53	-0.02	0.93	0.54		
	9400/1880	22.8	1.08	0.61	-0.08	1.11	0.63		
	9537/1907.4	**22.9**	**1.19**	**0.67**	**-0.06**	**1.22**	**0.69**	21.3	21.4
Bluetooth On	9537/1907.4	22.9	1.10	0.62	-0.07	1.13	0.63	21.3	21.4

Band	Channel/ frequency (MHz)	Conducted Output Power (dBm)	FCC ID PY7A3252022 with Standard Battery BST-33 — 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)
	4133/826.6	23.2	0.46	0.34	-0.01	0.47	0.35		
	4175/835	23.2	0.48	0.36	-0.03	0.49	0.37		
Band V	**4232/846.4**	**23.2**	**0.52**	**0.38**	**-0.02**	**0.53**	**0.39**	21.7	21.3
	9263/1852.6	22.8	0.20	0.13	-0.02	0.20	0.13		
	9400/1880	22.8	0.20	0.13	-0.07	0.20	0.13		
Band II	**9537/1907.4**	**22.9**	**0.23**	**0.15**	**0.00**	**0.24**	**0.15**	21.0	21.4

Table 4: UMTS SAR measurement results for the portable cellular telephone FCC ID PY7A3252022 model Z750i at maximum output power with Standard Battery BST-33. Measured against the right head in UMTS mode.

6.2 Body-Worn Test Results

The SAR results shown in Tables 5 through 8 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. During the tests, the ambient temperature of the laboratory was in the range 20.8-22.7 °C, the relative humidity was in the range 39.9 – 55.3 % 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
-ICE26 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.

Prepared (also subject responsible if other)	No.	
SEM/CV/PF/P Gerard Hayes and Rodney Dixon	REP 2007 003 Z750i 02	
Approved / Checked		D
SEM/CV/PF/P Gerard Hayes		

Band	Operating Condition	Channel/ frequency (MHz)	Conducted Output Power (dBm)	FCC ID PY7A3252022 with Standard Battery BST-33						
				Body Worn			Back of phone facing body			
				Measured (W/kg) 1g / 10g		Drift (dB)	Extrapolated (W/kg) 1g / 10g		Ambient Temp (°C)	Simulate Temp (°C)
15mm Spacer										
800 GSM	2:8 Duty Cycle (DC)	128 / 824	29.0	0.62	0.44	0.00	0.62	0.44	21.6	21.3
		189 / 837	29.1	0.78	0.54	0.08	0.78	0.54		
		251 / 849	**29.0**	**0.93**	**0.66**	**-0.05**	**0.93**	**0.66**		
1900 GSM	2:8 DC	512 / 1850	29.9	0.72	0.41	-0.05	0.73	0.42	21.7	21.4
		660/1880	**29.9**	**0.80**	**0.46**	**0.00**	**0.82**	**0.47**		
		810/1910	29.8	0.74	0.42	0.03	0.76	0.43		
	Bluetooth On	660/1880	29.9	0.60	0.39	-0.18	0.61	0.40	22.1	21.7
	1:8 DC	660/1880	29.9	0.44	0.26	0.02	0.45	0.27		
Carry Accessory: ICE26										
800 GSM	2:8 Duty Cycle (DC)	128 / 824	29.0	0.76	0.54	-0.04	0.76	0.54	21.6	21.3
		189 / 837	29.1	0.90	0.64	-0.04	0.90	0.64		
		251 / 849	29.0	0.88	0.62	0.01	0.88	0.62		
	Bluetooth On	**189 / 837**	**29.1**	**0.92**	**0.65**	**-0.04**	**0.92**	**0.65**	22.0	21.5
	1:8 DC	189 / 837	32.3	0.88	0.62	0.01	0.88	0.62		
1900 GSM	2:8 DC	**512 / 1850**	**29.9**	**0.67**	**0.41**	**-0.10**	**0.68**	**0.42**	21.6	21.4
		660/1880	29.9	0.65	0.38	-0.09	0.66	0.39		
		810/1910	29.8	0.58	0.34	-0.05	0.59	0.34		

Table 5: SAR measurement results for the portable cellular telephone FCC ID PY7A3252022 model Z750i at maximum output power with Standard Battery BST-33. Measured with back of phone against the body (GSM/EGPRS Mode).

Prepared (also subject responsible if other)	No.	
SEM/CV/PF/P Gerard Hayes and Rodney Dixon	REP 2007 003 Z750i 02	
Approved / Checked		D
SEM/CV/PF/P Gerard Hayes		

Band	Operating Condition	Channel/ frequency (MHz)	Conducted Output Power (dBm)	FCC ID PY7A3252022 with Standard Battery BST-33						
				Body Worn Front of phone facing body						
				Measured (W/kg) 1g / 10g		Drift (dB)	Extrapolated (W/kg) 1g / 10g		Ambient Temp (°C)	Simulate Temp (°C)
15mm Spacer										
800 GSM	2:8 Duty Cycle	128 / 824	29.0	0.24	0.18	0.01	0.24	0.18	21.8	21.3
		189 / 837	**29.1**	**0.37**	**0.27**	**-0.09**	**0.37**	**0.27**		
		251 / 849	29.0	0.34	0.25	0.06	0.34	0.25		
1900 GSM	2:8 Duty Cycle	512 / 1850	29.9	0.23	0.14	-0.04	0.23	0.15	21.8	21.6
		660/1880	**29.9**	**0.27**	**0.17**	**0.01**	**0.28**	**0.17**		
		810/1910	29.8	0.23	0.14	-0.05	0.23	0.14		
Carry Accessory: ICE26										
800 GSM	2:8 Duty Cycle	128 / 824	29.0	0.18	0.13	0.04	0.18	0.13	21.8	21.3
		189 / 837	29.1	0.30	0.22	-0.06	0.30	0.22		
		251 / 849	**29.0**	**0.36**	**0.26**	**0.05**	**0.36**	**0.26**		
1900 GSM	2:8 Duty Cycle	512 / 1850	29.9	0.26	0.17	-0.06	0.27	0.17	21.8	21.6
		660/1880	**29.9**	**0.26**	**0.17**	**-0.05**	**0.27**	**0.17**		
		810/1910	29.8	0.20	0.13	-0.01	0.20	0.13		

Table 6: SAR measurement results for the portable cellular telephone FCC ID PY7A3252022 model Z750i at maximum output power with Standard Battery BST-33. Measured with front of phone against the body (GSM/EGPRS Mode).

Prepared (also subject responsible if other)	No.	
SEM/CV/PF/P Gerard Hayes and Rodney Dixon	REP 2007 003 Z750i 02	
Approved / Checked		D
SEM/CV/PF/P Gerard Hayes		

Band	Operating Condition	Channel/ frequency (MHz)	Conducted Output Power (dBm)	FCC ID PY7A3252022 with Standard Battery BST-33						
				UMTS Body Worn			Back of phone facing body			
				Measured (W/kg) 1g / 10g	Drift (dB)		Extrapolated (W/kg) 1g / 10g		Ambient Temp (°C)	Simulate Temp (°C)
15mm Spacer										
Band V		4133/826.6	23.2	0.87	0.61	-0.10	0.89	0.63	21.5	21.6
		4175/835	23.2	0.94	0.66	0.00	0.96	0.68		
		4232/846.4	**23.2**	**1.04**	**0.73**	**-0.01**	**1.06**	**0.74**		
Band II		9263/1852.6	22.8	0.72	0.42	-0.03	0.74	0.43	21.5	21.6
		9400/1880	22.8	0.71	0.41	-0.02	0.73	0.42		
		9537/1907.4	22.9	0.64	0.36	-0.07	0.65	0.37		
	Bluetooth On	**9263/1852.6**	**22.8**	**0.64**	**0.37**	**0.05**	**0.65**	**0.38**	21.7	21.8
	HSDPA Mode	9263/1852.6	22.1	0.55	0.32	0.03	0.56	0.32	21.7	21.8
Carry Accessory: ICE26										
Band V		4133/826.6	23.2	0.98	0.70	-0.05	1.01	0.71	21.5	21.6
		4175/835	**23.2**	**1.09**	**0.77**	**-0.02**	**1.12**	**0.78**		
		4232/846.4	23.2	1.09	0.77	0.00	1.12	0.78		
	Bluetooth On	4175/835	23.2	1.07	0.76	0.04	1.09	0.78	21.5	21.6
	HSDPA Mode	4175/835	22.5	0.95	0.67	-0.02	0.97	0.69	21.5	21.6
Band II		9263/1852.6	22.8	0.60	0.36	0.06	0.61	0.36	21.7	21.8
		9400/1880	**22.8**	**0.61**	**0.36**	**0.01**	**0.62**	**0.37**		
		9537/1907.4	22.9	0.61	0.36	0.00	0.62	0.36		

Table 7: UMTS SAR measurement results for the portable cellular telephone FCC ID PY7A3252022 model Z750i at maximum output power with Standard Battery BST-33. Measured against the body with carry accessory 15mm spacer. Measured with back of phone against the body (UMTS/HSDPA Modes).

Band	Operating Condition	Channel/ frequency (MHz)	Conducted Output Power (dBm)	FCC ID PY7A3252022 with Standard Battery BST-33						
				UMTS Body Worn			Front of phone facing body			
				Measured (W/kg) 1g / 10g		Drift (dB)	Extrapolated (W/kg) 1g / 10g		Ambient Temp (°C)	Simulate Temp (°C)
15mm Spacer										
Band V		4133/826.6	23.2	0.25	0.19	-0.04	0.26	0.19	21.6	21.6
		4175/835	23.2	0.26	0.19	0.04	0.27	0.20		
		4232/846.4	**23.2**	**0.30**	**0.22**	**-0.01**	**0.31**	**0.23**		
Band II		9263/1852.6	22.8						22.1	21.7
		9400/1880	**22.8**	**0.21**	**0.13**	**-0.01**	**0.22**	**0.14**		
		9537/1907.4	22.9							
Carry Accessory: ICE26										
Band V		4133/826.6	23.2	0.31	0.23	-0.06	0.31	0.23	21.6	21.6
		4175/835	23.2	0.34	0.25	0.00	0.35	0.26		
		4232/846.4	**23.2**	**0.37**	**0.27**	**-0.02**	**0.38**	**0.28**		
Band II		9263/1852.6	22.8						21.7	21.8
		9400/1880	**22.8**	**0.21**	**0.13**	**-0.03**	**0.22**	**0.14**		
		9537/1907.4	22.9							

Table 8: UMTS SAR measurement results for the portable cellular telephone FCC ID PY7A3252022 model Z750i at maximum output power with Standard Battery BST-33. Measured with front of phone against the body (UMTS Mode).

Prepared (also subject responsible if other)	No.	
SEM/CV/PF/P Gerard Hayes and Rodney Dixon	REP 2007 003 Z750i 02	
Approved / Checked		
SEM/CV/PF/P Gerard Hayes	D	

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] 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 1528-200X, Draft 6.5 – August 20, 2001.

Prepared (also subject responsible if other)	No.	
SEM/CV/PF/P Gerard Hayes and Rodney Dixon	REP 2007 003 Z750i 02	
Approved / Checked		
SEM/CV/PF/P Gerard Hayes	D	

Appendix 1

SAR distribution comparison for the system accuracy verification

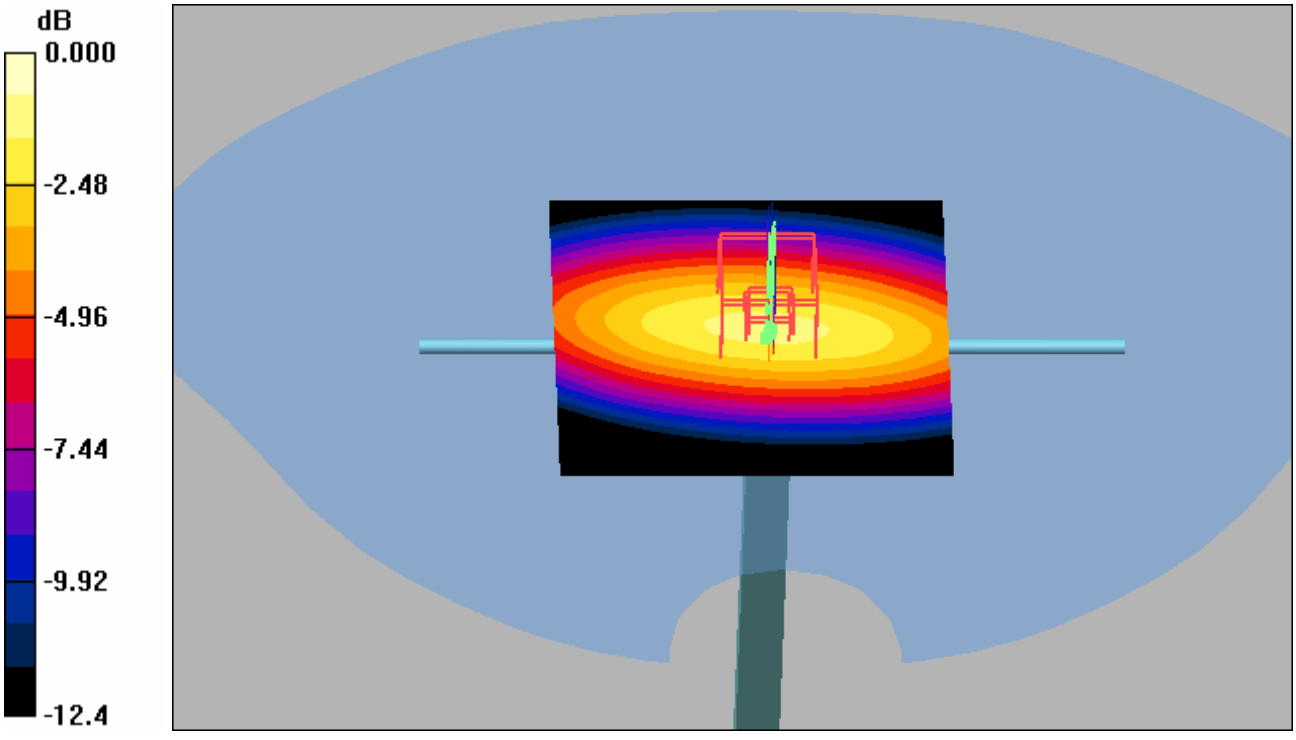
Prepared (also subject responsible if other)	No.	
SEM/CV/PF/P Gerard Hayes and Rodney Dixon	REP 2007 003 Z750i 02	
Approved / Checked		
SEM/CV/PF/P Gerard Hayes	D	

835 MHz SAR Distribution of Validation Dipole Antenna
System Performance Check (Using head tissue).

Validation_835Head_438_1251_02Aug07_T01

File Name: Validation_835Head_438_1251_02Aug07_T01.da4

Phantom: SAM with CRP (Low Band Head)Phantom section: Flat Section
Probe: ET3DV6 - SN1586ConvF(6.63, 6.63, 6.63)Duty Cycle: 1:1Frequency: 835 MHz
Medium parameters used: f = 835 MHz; σ = 0.906 mho/m; ε_r = 41.2; ρ = 1000 kg/m^3
Measurement Standard: DASY4 (High Precision Assessment)
Dipole at 10 mm/Area Scan (61x61x1):
Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.01 mW/g
Dipole at 10 mm/Zoom Scan (7x7x7)/Cube 0:
Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 34.4 V/m; Power Drift = 0.015 dB
Peak SAR (extrapolated) = 1.42 W/kg
SAR(1 g) = 0.944 mW/g; SAR(10 g) = 0.613 mW/g
Maximum value of SAR (measured) = 1.02 mW/g
Dipole at 10 mm/Zoom Scan (31x31x36)/Cube 0:
Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 34.4 V/m; Power Drift = 0.015 dB
Maximum value of SAR (interpolated) = 1.42 mW/g
Dipole at 10 mm/Zoom Scan 2 (7x7x7)/Cube 0:
Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 34.4 V/m; Power Drift = 0.015 dB
Peak SAR (extrapolated) = 1.38 W/kg
SAR(1 g) = 0.914 mW/g; SAR(10 g) = 0.595 mW/g
Maximum value of SAR (measured) = 0.980 mW/g
Dipole at 10 mm/Zoom Scan 2 (31x31x36)/Cube 0:
Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 34.4 V/m; Power Drift = 0.015 dB
Maximum value of SAR (interpolated) = 1.38 mW/g
Procedure Notes: Pin: before 100 mW / after 100.5 mW
Humidity - 45.2 % Ambient Temp - 21.5 C Simulant Temp - 21.8 C



0 dB = 1.38mW/g

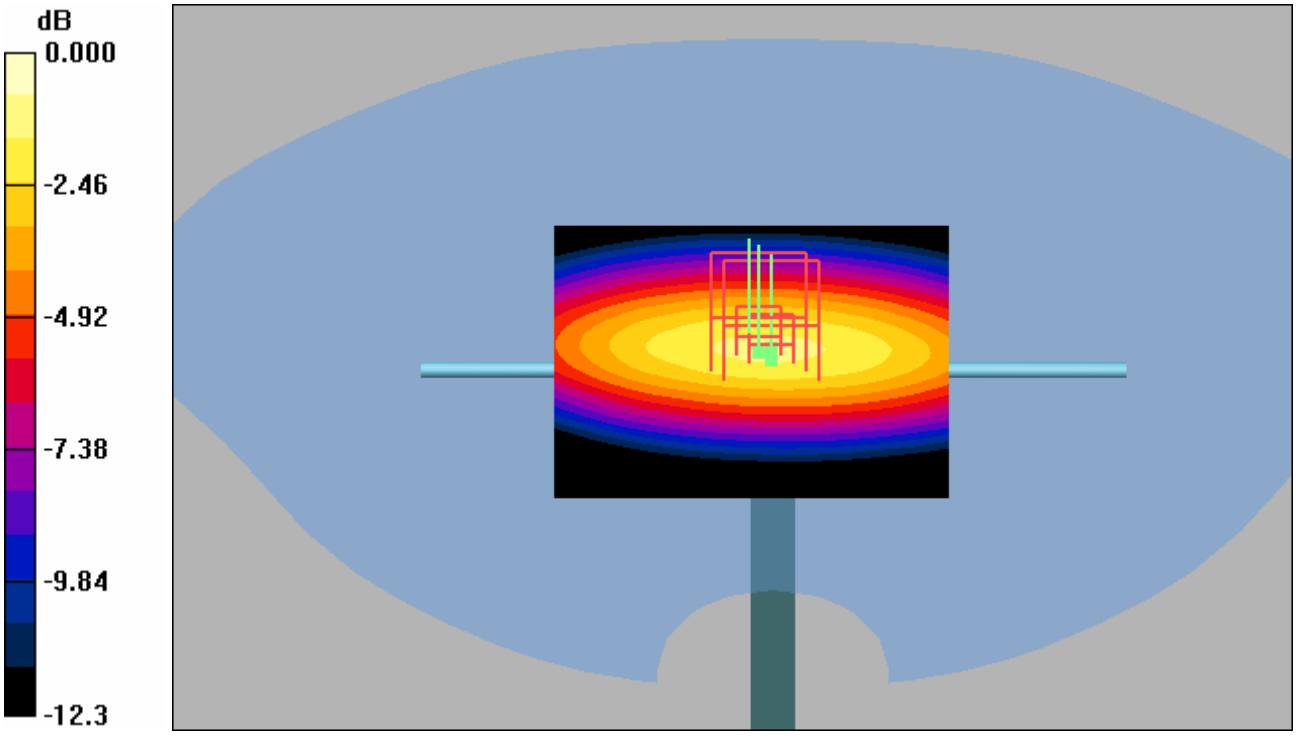
Prepared (also subject responsible if other)	No.	
SEM/CV/PF/P Gerard Hayes and Rodney Dixon	REP 2007 003 Z750i 02	
Approved / Checked		
SEM/CV/PF/P Gerard Hayes	D	

835 MHz SAR Distribution of Validation Dipole Antenna
System Performance Check (Using head tissue).

Validation_835Head_438_1251_08Aug07_T01

File Name: Validation_835Head_438_1251_08Aug07_T01.da4

Phantom: SAM with CRP (Low Band Head)Phantom section: Flat Section
Probe: ET3DV6 - SN1586ConvF(6.63, 6.63, 6.63)Duty Cycle: 1:1Frequency: 835 MHz
Medium parameters used: f = 835 MHz; σ = 0.906 mho/m; ε_r = 40.8; ρ = 1000 kg/m^3
Measurement Standard: DASY4 (High Precision Assessment)
Dipole at 10 mm/Area Scan (61x61x1):
Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.02 mW/g
Dipole at 10 mm/Zoom Scan (7x7x7)/Cube 0:
Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 34.7 V/m; Power Drift = 0.009 dB
Peak SAR (extrapolated) = 1.44 W/kg
SAR(1 g) = 0.956 mW/g; SAR(10 g) = 0.620 mW/g
Maximum value of SAR (measured) = 1.03 mW/g
Dipole at 10 mm/Zoom Scan (31x31x36)/Cube 0:
Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 34.7 V/m; Power Drift = 0.009 dB
Maximum value of SAR (interpolated) = 1.44 mW/g
Dipole at 10 mm/Zoom Scan 2 (7x7x7)/Cube 0:
Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 34.7 V/m; Power Drift = 0.009 dB
Peak SAR (extrapolated) = 1.41 W/kg
SAR(1 g) = 0.940 mW/g; SAR(10 g) = 0.612 mW/g
Maximum value of SAR (measured) = 1.01 mW/g
Dipole at 10 mm/Zoom Scan 2 (31x31x36)/Cube 0:
Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 34.7 V/m; Power Drift = 0.009 dB
Maximum value of SAR (interpolated) = 1.41 mW/g
Procedure Notes: Pin: before 101.3 mW / after 101.5 mW
Humidity - 45.9 % Ambient Temp - 21.3 C Simulant Temp - 21.5 C



0 dB = 1.41mW/g

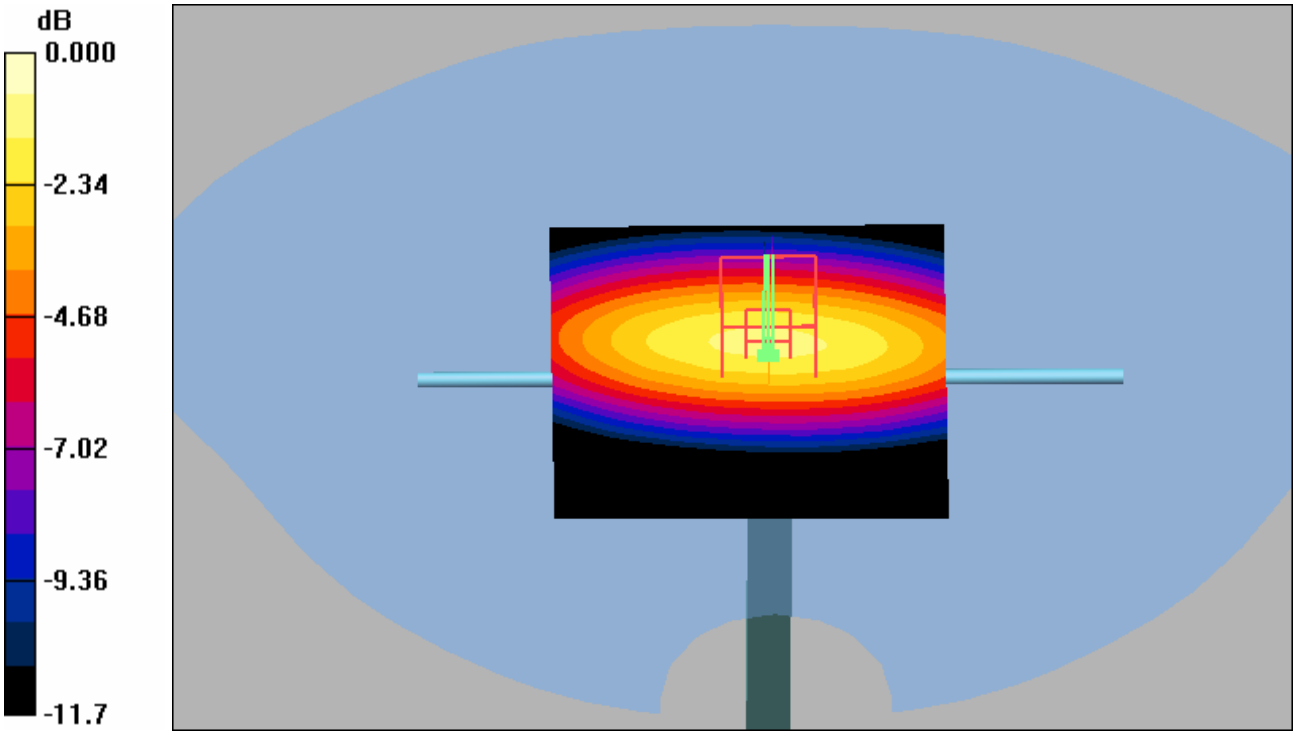
Prepared (also subject responsible if other)	No.	
SEM/CV/PF/P Gerard Hayes and Rodney Dixon	REP 2007 003 Z750i 02	
Approved / Checked		
SEM/CV/PF/P Gerard Hayes	D	

835 MHz SAR Distribution of Validation Dipole Antenna
System Performance Check (Using body tissue).

Validation_835Body_438_1031_03Aug07_T01

File Name: Validation_835Body_438_1031_03Aug07_T01.da4

Phantom: SAM with CRP (Low Band Body)Phantom section: Flat Section
Probe: ET3DV6 - SN1587ConvF(6.55, 6.55, 6.55)Duty Cycle: 1:1Frequency: 835 MHz
Medium parameters used: f = 835 MHz; σ = 1.02 mho/m; ε_r = 53.6; ρ = 1000 kg/m^3
Measurement Standard: DASY4 (High Precision Assessment)
Dipole at 10 mm/Area Scan (61x61x1):
Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.968 mW/g
Dipole at 10 mm/Zoom Scan (7x7x7)/Cube 0:
Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 31.1 V/m; Power Drift = 0.022 dB
Peak SAR (extrapolated) = 1.31 W/kg
SAR(1 g) = 0.899 mW/g; SAR(10 g) = 0.589 mW/g
Maximum value of SAR (measured) = 0.975 mW/g
Dipole at 10 mm/Zoom Scan (31x31x36)/Cube 0:
Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 31.1 V/m; Power Drift = 0.022 dB
Maximum value of SAR (interpolated) = 1.31 mW/g
Dipole at 10 mm/Zoom Scan 2 (7x7x7)/Cube 0:
Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 31.1 V/m; Power Drift = 0.022 dB
Peak SAR (extrapolated) = 1.31 W/kg
SAR(1 g) = 0.898 mW/g; SAR(10 g) = 0.589 mW/g
Maximum value of SAR (measured) = 0.969 mW/g
Dipole at 10 mm/Zoom Scan 2 (31x31x36)/Cube 0:
Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 31.1 V/m; Power Drift = 0.022 dB
Procedure Notes: Pin: before 99.6 mW / after 99.6 mW
Humidity - 43 % Ambient Temp - 21.6 C Simulant Temp - 21.3 C



0 dB = 1.31mW/g

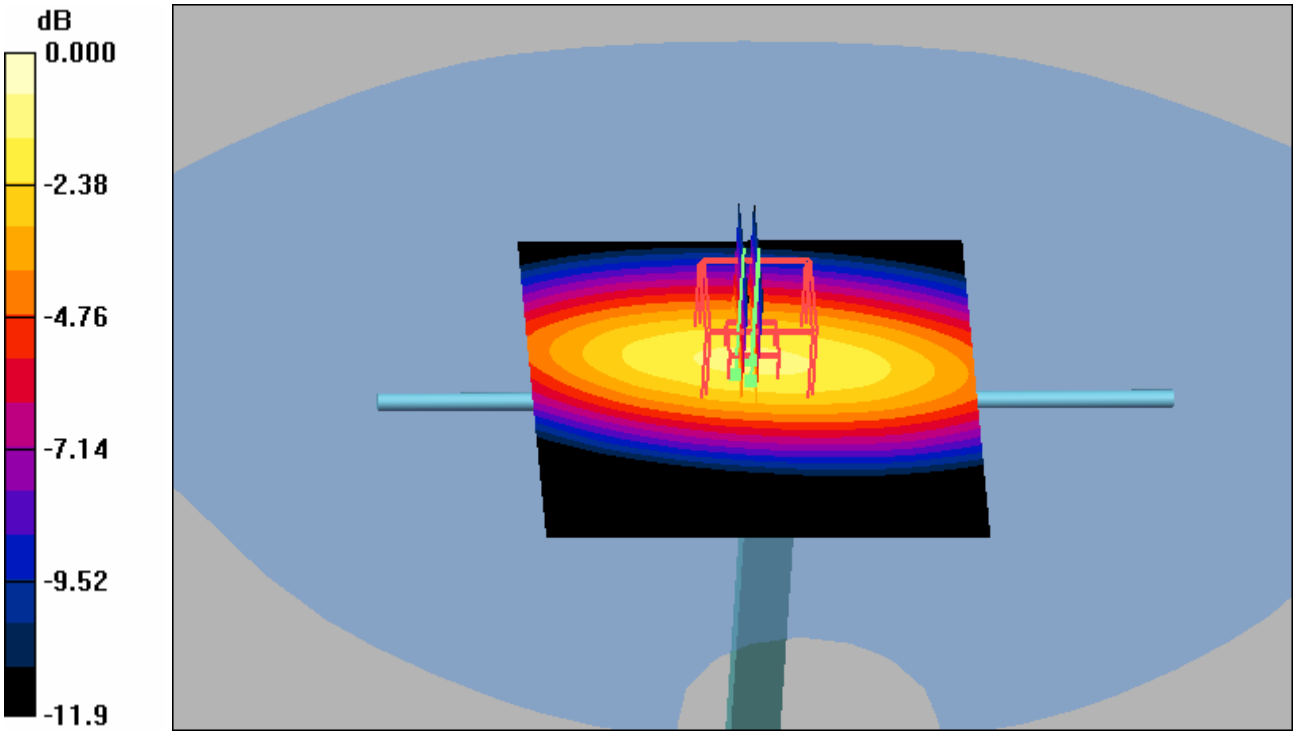
Prepared (also subject responsible if other)	No.	
SEM/CV/PF/P Gerard Hayes and Rodney Dixon	REP 2007 003 Z750i 02	
Approved / Checked		
SEM/CV/PF/P Gerard Hayes	D	

835 MHz SAR Distribution of Validation Dipole Antenna
System Performance Check (Using body tissue).

Validation_835Body_438_1031_09Aug07_T01

File Name: Validation_835Body_438_1031_09Aug07_T01.da4

Phantom: SAM with CRP (Low Band Body)Phantom section: Flat Section
Probe: ET3DV6 - SN1587ConvF(6.55, 6.55, 6.55)Duty Cycle: 1:1Frequency: 835 MHz
Medium parameters used: f = 835 MHz; σ = 1.02 mho/m; ε_r = 53.6; ρ = 1000 kg/m^3
Measurement Standard: DASY4 (High Precision Assessment)
Dipole at 10 mm/Area Scan (61x61x1):
Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.05 mW/g
Dipole at 10 mm/Zoom Scan (7x7x7)/Cube 0:
Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 32.8 V/m; Power Drift = 0.006 dB
Peak SAR (extrapolated) = 1.42 W/kg
SAR(1 g) = 0.969 mW/g; SAR(10 g) = 0.635 mW/g
Maximum value of SAR (measured) = 1.04 mW/g
Dipole at 10 mm/Zoom Scan (31x31x36)/Cube 0:
Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 32.8 V/m; Power Drift = 0.006 dB
Maximum value of SAR (interpolated) = 1.42 mW/g
Dipole at 10 mm/Zoom Scan 2 (7x7x7)/Cube 0:
Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 32.8 V/m; Power Drift = 0.006 dB
Peak SAR (extrapolated) = 1.44 W/kg
SAR(1 g) = 0.982 mW/g; SAR(10 g) = 0.642 mW/g
Maximum value of SAR (measured) = 1.06 mW/g
Dipole at 10 mm/Zoom Scan 2 (31x31x36)/Cube 0:
Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 32.8 V/m; Power Drift = 0.006 dB
Maximum value of SAR (interpolated) = 1.44 mW/g
Procedure Notes: Pin: before 99.7 mW / after 99.6 mW
Humidity - 44.6 % Ambient Temp - 21.5 C Simulant Temp - 21.6 C



0 dB = 1.44mW/g

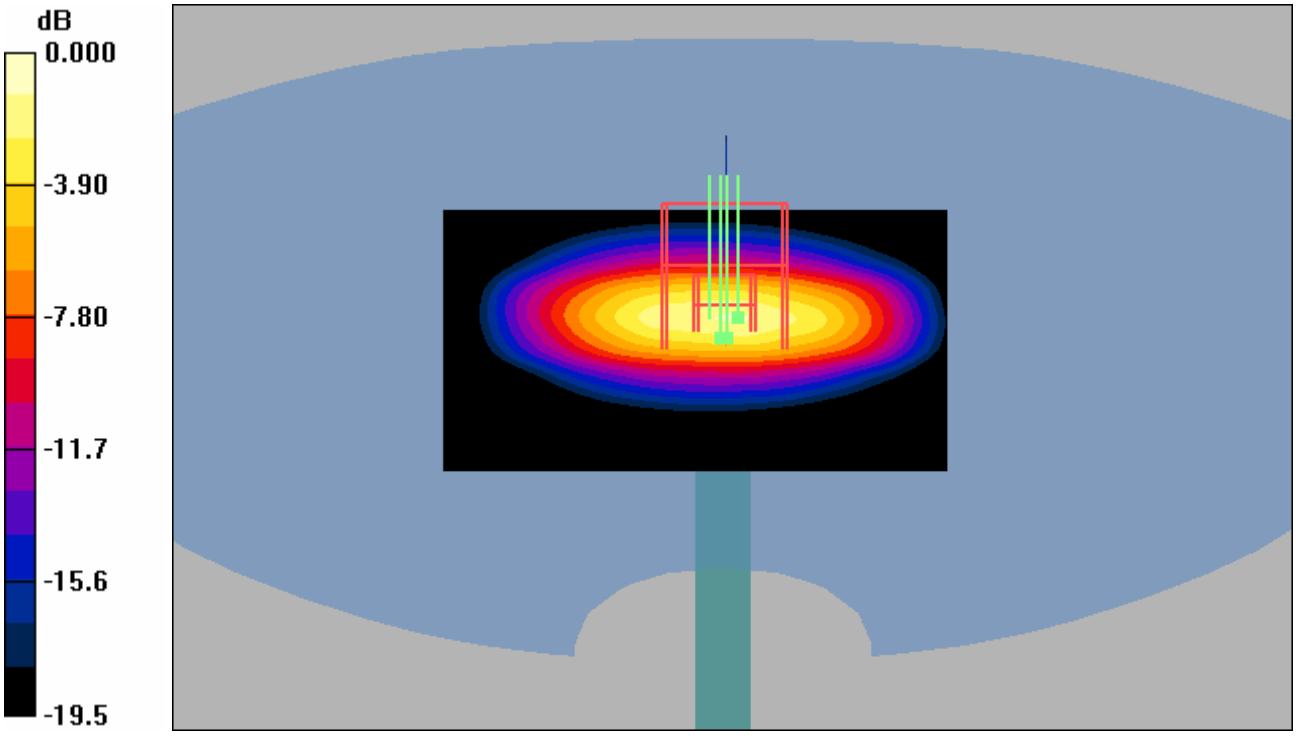
Prepared (also subject responsible if other)	No.	
SEM/CV/PF/P Gerard Hayes and Rodney Dixon	REP 2007 003 Z750i 02	
Approved / Checked		D
SEM/CV/PF/P Gerard Hayes		

1900 MHz SAR Distribution of Validation Dipole Antenna
System Performance Check (Using head tissue).

Validation_1900Head_536_1335_02Aug07_T01

File Name: Validation_1900Head_536_1335_02Aug07_T01.da4

Phantom: SAM with CRP (High Band Head)Phantom section: Flat Section
Probe: ET3DV6 - SN1538ConvF(4.89, 4.89, 4.89)Duty Cycle: 1:1Frequency: 1900 MHz
Medium parameters used: f = 1900 MHz; σ = 1.46 mho/m; ε_r = 38.1; ρ = 1000 kg/m^3
Measurement Standard: DASY4 (High Precision Assessment)
Dipole at 10 mm/Area Scan (61x61x1):
Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 5.48 mW/g
Dipole at 10 mm/Zoom Scan (7x7x7)/Cube 0:
Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 59.9 V/m; Power Drift = 0.032 dB
Peak SAR (extrapolated) = 7.37 W/kg
SAR(1 g) = 4.25 mW/g; SAR(10 g) = 2.22 mW/g
Maximum value of SAR (measured) = 4.79 mW/g
Dipole at 10 mm/Zoom Scan (31x31x36)/Cube 0:
Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 59.9 V/m; Power Drift = 0.032 dB
Maximum value of SAR (interpolated) = 7.37 mW/g
Dipole at 10 mm/Zoom Scan 2 (7x7x7)/Cube 0:
Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 59.9 V/m; Power Drift = 0.032 dB
Peak SAR (extrapolated) = 7.18 W/kg
SAR(1 g) = 4.16 mW/g; SAR(10 g) = 2.18 mW/g
Maximum value of SAR (measured) = 4.69 mW/g
Dipole at 10 mm/Zoom Scan 2 (31x31x36)/Cube 0:
Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 59.9 V/m; Power Drift = 0.032 dB
Maximum value of SAR (interpolated) = 7.18 mW/g
Procedure Notes: Pin: before 100.2 mW / after 100 mW
Humidity: 39.9 % Ambient Temp: 22.7 C Simulant Temp: 22.4 C



0 dB = 7.18mW/g

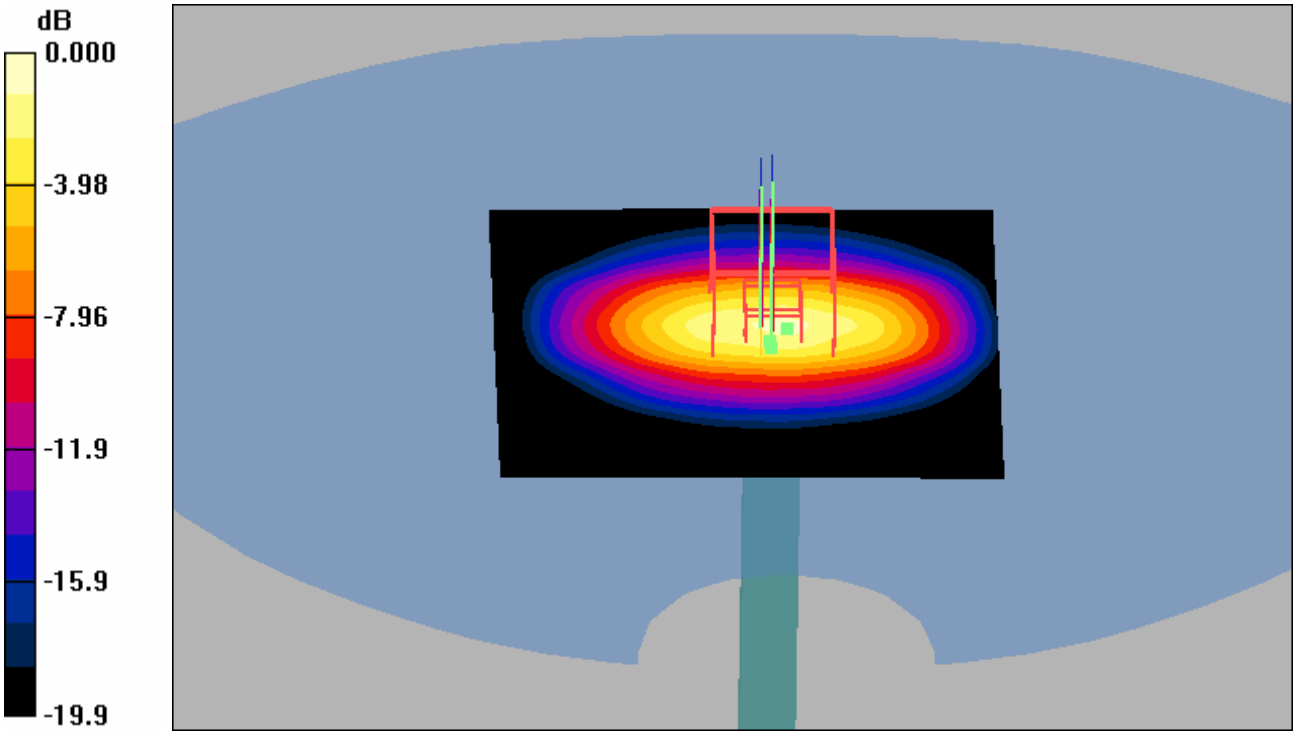
Prepared (also subject responsible if other)	No.	
SEM/CV/PF/P Gerard Hayes and Rodney Dixon	REP 2007 003 Z750i 02	
Approved / Checked		
SEM/CV/PF/P Gerard Hayes	D	

1900 MHz SAR Distribution of Validation Dipole Antenna
System Performance Check (Using head tissue).

Validation_1900Head_536_1054_03Aug07_T01

File Name: Validation_1900Head_536_1054_03Aug07_T01.da4

Phantom: SAM with CRP (High Band Head)Phantom section: Flat Section
Probe: ET3DV6 - SN1586ConvF(5.17, 5.17, 5.17)Duty Cycle: 1:1Frequency: 1900 MHz
Medium parameters used: f = 1900 MHz; σ = 1.46 mho/m; ε_r = 38.3; ρ = 1000 kg/m^3
Measurement Standard: DASY4 (High Precision Assessment)
Dipole at 10 mm/Area Scan (61x61x1):
Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 4.92 mW/g
Dipole at 10 mm/Zoom Scan (7x7x7)/Cube 0:
Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 58.9 V/m; Power Drift = -0.057 dB
Peak SAR (extrapolated) = 6.65 W/kg
SAR(1 g) = 3.87 mW/g; SAR(10 g) = 2.04 mW/g
Maximum value of SAR (measured) = 4.38 mW/g
Dipole at 10 mm/Zoom Scan (31x31x36)/Cube 0:
Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 58.9 V/m; Power Drift = -0.057 dB
Maximum value of SAR (interpolated) = 6.65 mW/g
Dipole at 10 mm/Zoom Scan 2 (7x7x7)/Cube 0:
Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 58.9 V/m; Power Drift = -0.057 dB
Peak SAR (extrapolated) = 6.22 W/kg
SAR(1 g) = 3.67 mW/g; SAR(10 g) = 1.94 mW/g
Maximum value of SAR (measured) = 4.07 mW/g
Dipole at 10 mm/Zoom Scan 2 (31x31x36)/Cube 0:
Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 58.9 V/m; Power Drift = -0.057 dB
Maximum value of SAR (interpolated) = 6.22 mW/g
Procedure Notes: Pin: before 100.6 mW / after 99.8 mW
Humidity: 45.5 % Ambient Temp: 21.4 C Simulant Temp: 21.3 C



0 dB = 6.22mW/g

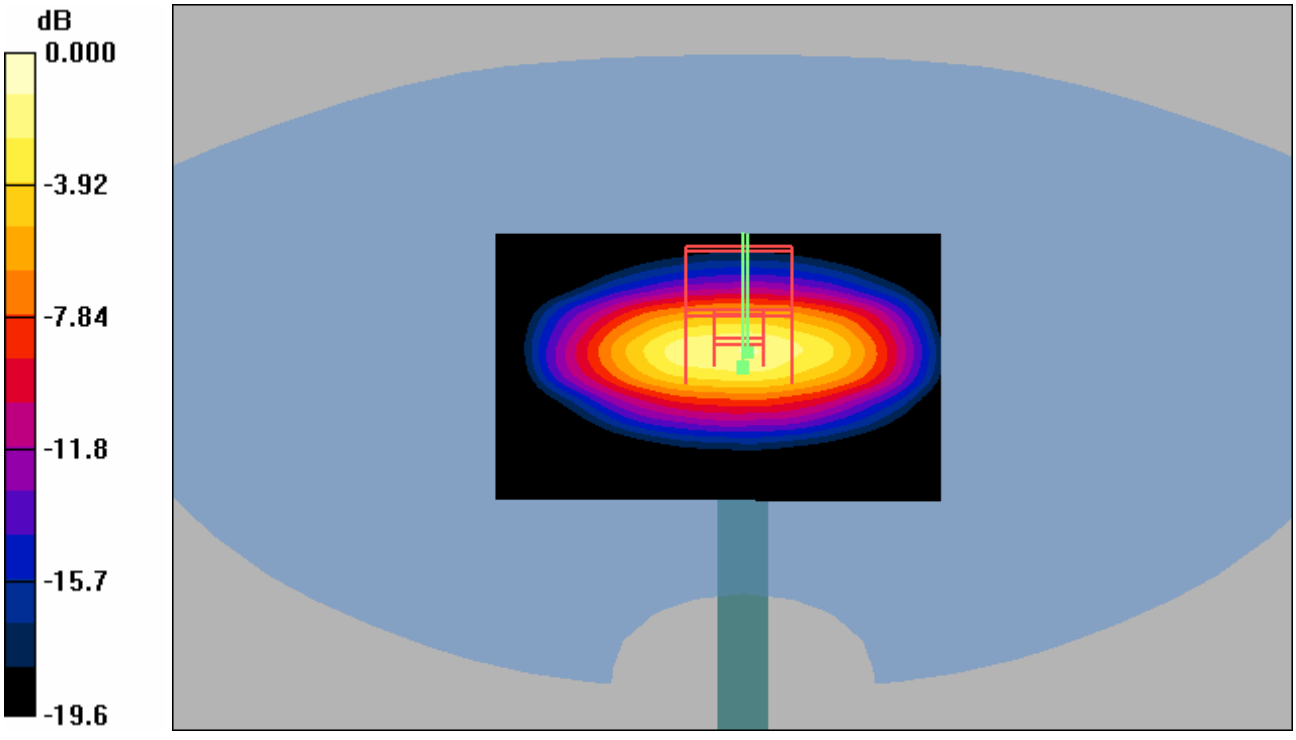
Prepared (also subject responsible if other)	No.	
SEM/CV/PF/P Gerard Hayes and Rodney Dixon	REP 2007 003 Z750i 02	
Approved / Checked		D
SEM/CV/PF/P Gerard Hayes		

1900 MHz SAR Distribution of Validation Dipole Antenna
System Performance Check (Using head tissue).

Validation_1900Head_536_1054_09Aug07_T01

File Name: Validation_1900Head_536_1054_09Aug07_T01.da4

Phantom: SAM with CRP (High Band Head)Phantom section: Flat Section
Probe: ET3DV6 - SN1586ConvF(5.17, 5.17, 5.17)Duty Cycle: 1:1Frequency: 1900 MHz
Medium parameters used: f = 1900 MHz; σ = 1.46 mho/m; ε_r = 38.2; ρ = 1000 kg/m^3
Measurement Standard: DASY4 (High Precision Assessment)
Dipole at 10 mm/Area Scan (61x61x1):
Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 4.83 mW/g
Dipole at 10 mm/Zoom Scan (7x7x7)/Cube 0:
Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 58.6 V/m; Power Drift = 0.013 dB
Peak SAR (extrapolated) = 6.67 W/kg
SAR(1 g) = 3.9 mW/g; SAR(10 g) = 2.05 mW/g
Maximum value of SAR (measured) = 4.43 mW/g
Dipole at 10 mm/Zoom Scan (31x31x36)/Cube 0:
Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 58.6 V/m; Power Drift = 0.013 dB
Maximum value of SAR (interpolated) = 6.67 mW/g
Dipole at 10 mm/Zoom Scan 2 (7x7x7)/Cube 0:
Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 58.6 V/m; Power Drift = 0.013 dB
Peak SAR (extrapolated) = 6.43 W/kg
SAR(1 g) = 3.79 mW/g; SAR(10 g) = 2 mW/g
Maximum value of SAR (measured) = 4.24 mW/g
Dipole at 10 mm/Zoom Scan 2 (31x31x36)/Cube 0:
Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 58.6 V/m; Power Drift = 0.013 dB
Maximum value of SAR (interpolated) = 6.43 mW/g
Procedure Notes: Pin: before 99.7 mW / after 99.6 mW
Humidity: 45.6 % Ambient Temp: 21.3 C Simulant Temp: 21.4 C



0 dB = 6.43mW/g

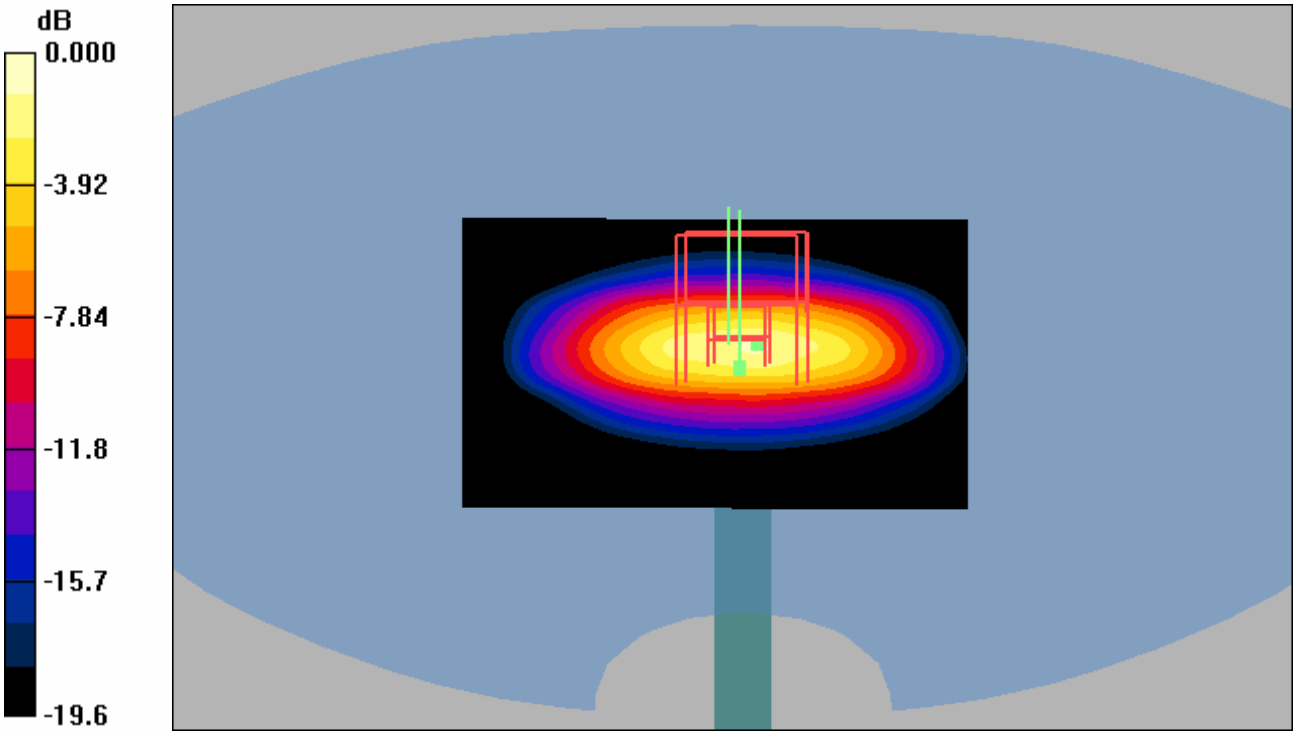
Prepared (also subject responsible if other)	No.	
SEM/CV/PF/P Gerard Hayes and Rodney Dixon	REP 2007 003 Z750i 02	
Approved / Checked		
SEM/CV/PF/P Gerard Hayes	D	

1900 MHz SAR Distribution of Validation Dipole Antenna
System Performance Check (Using body tissue).

Validation_1900Body_536_1020_05Aug07_T01

File Name: Validation_1900Body_536_1020_05Aug07_T01.da4

Phantom: SAM with CRP (High Band Body)Phantom section: Flat Section
Probe: ET3DV6 - SN1587ConvF(4.76, 4.76, 4.76)Duty Cycle: 1:1Frequency: 1900 MHz
Medium parameters used: f = 1900 MHz; σ = 1.55 mho/m; ε_r = 51.4; ρ = 1000 kg/m^3
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 = 56.9 V/m; Power Drift = 0.031 dB
Peak SAR (extrapolated) = 6.56 W/kg
SAR(1 g) = 3.87 mW/g; SAR(10 g) = 2.06 mW/g
Maximum value of SAR (measured) = 4.33 mW/g
Dipole at 10 mm/Zoom Scan (31x31x36)/Cube 0:
Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 56.9 V/m; Power Drift = 0.031 dB
Maximum value of SAR (interpolated) = 6.56 mW/g
Dipole at 10 mm/Zoom Scan 2 (7x7x7)/Cube 0:
Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 56.9 V/m; Power Drift = 0.031 dB
Peak SAR (extrapolated) = 6.59 W/kg
SAR(1 g) = 3.86 mW/g; SAR(10 g) = 2.05 mW/g
Maximum value of SAR (measured) = 4.32 mW/g
Dipole at 10 mm/Zoom Scan 2 (31x31x36)/Cube 0:
Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 56.9 V/m; Power Drift = 0.031 dB
Maximum value of SAR (interpolated) = 6.59 mW/g
Procedure Notes: Pin: before 100.1 mW / after 99.8 mW
Humidity: 44.4 % Ambient Temp: 21.6 C Simulant Temp: 21.4 C



0 dB = 6.59mW/g

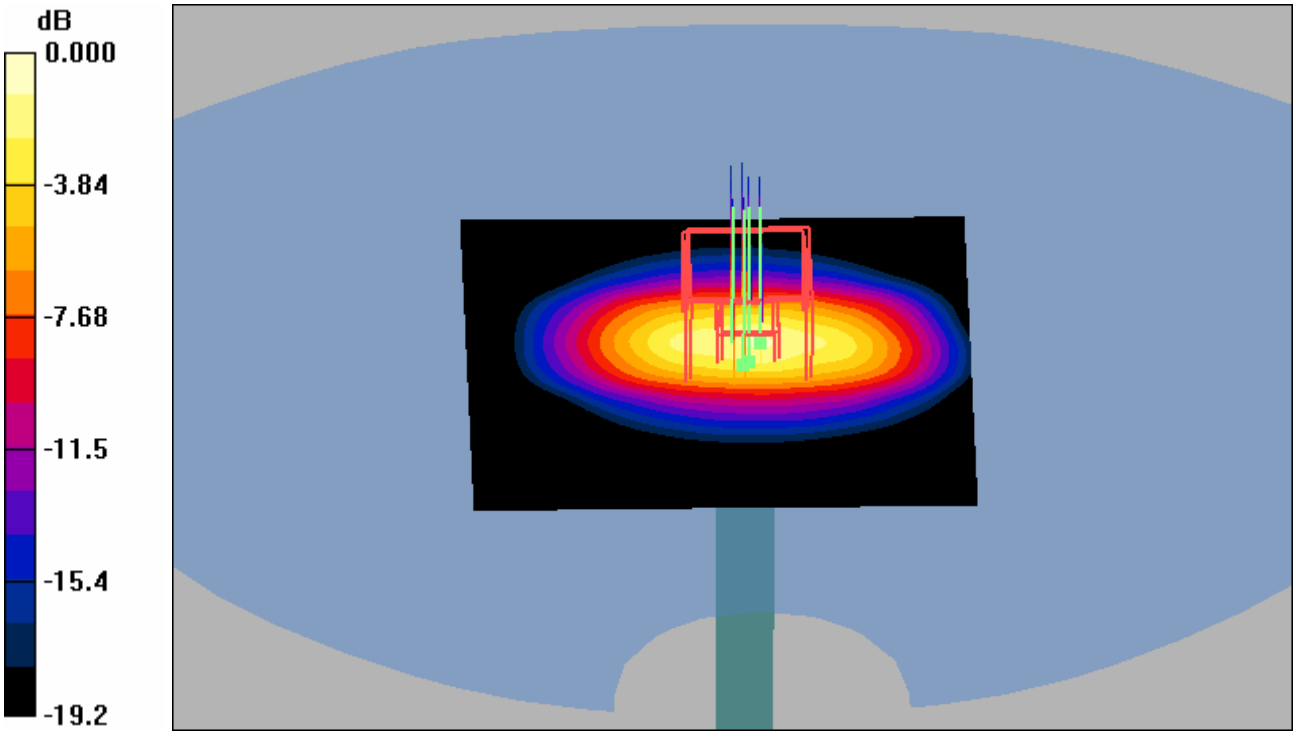
Prepared (also subject responsible if other)	No.	
SEM/CV/PF/P Gerard Hayes and Rodney Dixon	REP 2007 003 Z750i 02	
Approved / Checked		
SEM/CV/PF/P Gerard Hayes	D	

1900 MHz SAR Distribution of Validation Dipole Antenna
System Performance Check (Using body tissue).

Validation_1900Body_536_1020_06Aug07_T01

File Name: Validation_1900Body_536_1020_06Aug07_T01.da4

Phantom: SAM with CRP (High Band Body)Phantom section: Flat Section
Probe: ET3DV6 - SN1587ConvF(4.76, 4.76, 4.76)Duty Cycle: 1:1Frequency: 1900 MHz
Medium parameters used: f = 1900 MHz; σ = 1.56 mho/m; ε_r = 51.2; ρ = 1000 kg/m^3
Measurement Standard: DASY4 (High Precision Assessment)
Dipole at 10 mm/Area Scan (61x61x1):
Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 5.13 mW/g
Dipole at 10 mm/Zoom Scan (7x7x7)/Cube 0:
Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 56.5 V/m; Power Drift = 0.021 dB
Peak SAR (extrapolated) = 6.51 W/kg
SAR(1 g) = 3.86 mW/g; SAR(10 g) = 2.06 mW/g
Maximum value of SAR (measured) = 4.35 mW/g
Dipole at 10 mm/Zoom Scan (31x31x36)/Cube 0:
Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 56.5 V/m; Power Drift = 0.021 dB
Maximum value of SAR (interpolated) = 6.51 mW/g
Dipole at 10 mm/Zoom Scan 2 (7x7x7)/Cube 0:
Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 56.5 V/m; Power Drift = 0.021 dB
Peak SAR (extrapolated) = 6.62 W/kg
SAR(1 g) = 3.89 mW/g; SAR(10 g) = 2.07 mW/g
Maximum value of SAR (measured) = 4.39 mW/g
Dipole at 10 mm/Zoom Scan 2 (31x31x36)/Cube 0:
Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 56.5 V/m; Power Drift = 0.021 dB
Maximum value of SAR (interpolated) = 6.62 mW/g
Procedure Notes: Pin: before 100.1 mW / after 100.1 mW
Humidity: 44 % Ambient Temp: 21.7 C Simulant Temp: 21.4 C



0 dB = 6.62mW/g

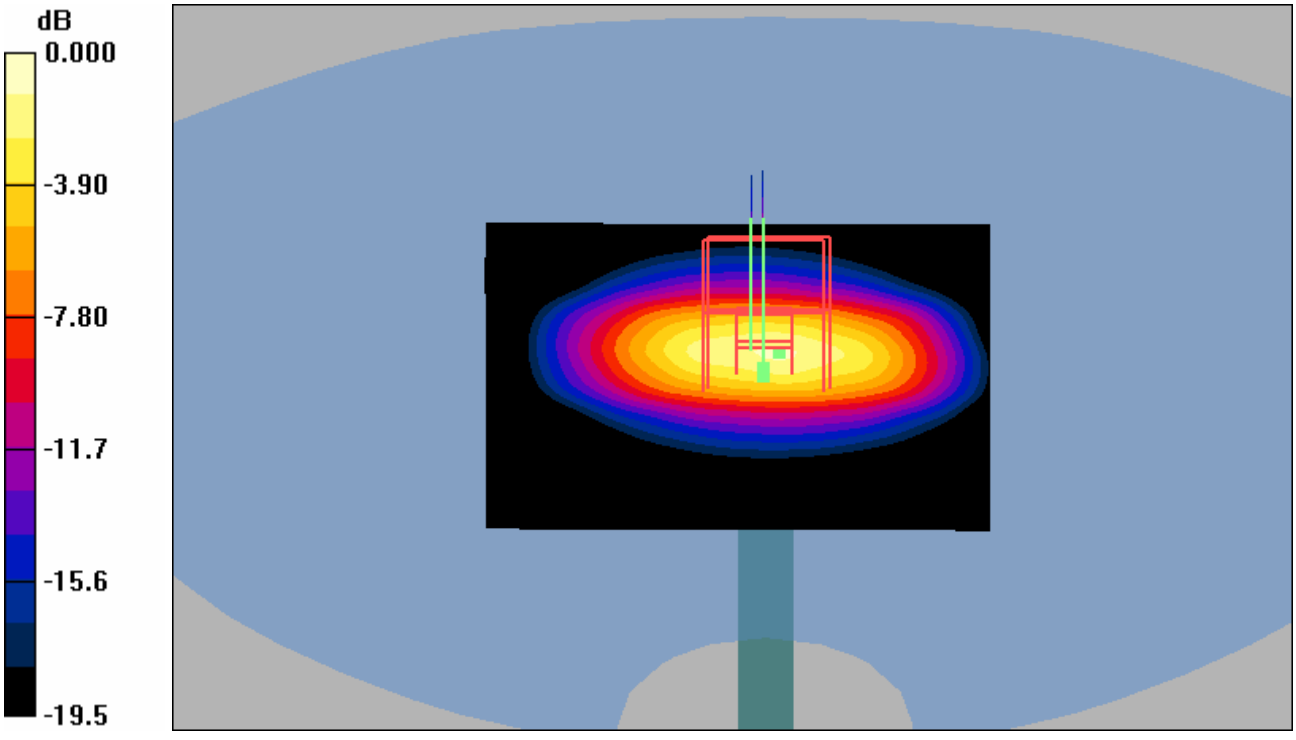
Prepared (also subject responsible if other)	No.	
SEM/CV/PF/P Gerard Hayes and Rodney Dixon	REP 2007 003 Z750i 02	
Approved / Checked		
SEM/CV/PF/P Gerard Hayes	D	

1900 MHz SAR Distribution of Validation Dipole Antenna
System Performance Check (Using body tissue).

Validation_1900Body_536_1020_07Aug07_T01

File Name: Validation_1900Body_536_1020_07Aug07_T01.da4

Phantom: SAM with CRP (High Band Body)Phantom section: Flat Section
Probe: ET3DV6 - SN1587ConvF(4.76, 4.76, 4.76)Duty Cycle: 1:1Frequency: 1900 MHz
Medium parameters used: f = 1900 MHz; σ = 1.55 mho/m; ε_r = 51.3; ρ = 1000 kg/m^3
Measurement Standard: DASY4 (High Precision Assessment)
Dipole at 10 mm/Area Scan (61x61x1):
Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 5.33 mW/g
Dipole at 10 mm/Zoom Scan (7x7x7)/Cube 0:
Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 56.6 V/m; Power Drift = 0.003 dB
Peak SAR (extrapolated) = 6.74 W/kg
SAR(1 g) = 3.98 mW/g; SAR(10 g) = 2.12 mW/g
Maximum value of SAR (measured) = 4.49 mW/g
Dipole at 10 mm/Zoom Scan (31x31x36)/Cube 0:
Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 56.6 V/m; Power Drift = 0.003 dB
Maximum value of SAR (interpolated) = 6.74 mW/g
Dipole at 10 mm/Zoom Scan 2 (7x7x7)/Cube 0:
Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 56.6 V/m; Power Drift = 0.003 dB
Peak SAR (extrapolated) = 6.86 W/kg
SAR(1 g) = 4.02 mW/g; SAR(10 g) = 2.13 mW/g
Maximum value of SAR (measured) = 4.50 mW/g
Dipole at 10 mm/Zoom Scan 2 (31x31x36)/Cube 0:
Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 56.6 V/m; Power Drift = 0.003 dB
Maximum value of SAR (interpolated) = 6.86 mW/g
Procedure Notes: Pin: before 100.3 mW / after 99.9 mW
Humidity: 44.9 % Ambient Temp: 21.5 C Simulant Temp: 21.6 C



0 dB = 6.86mW/g

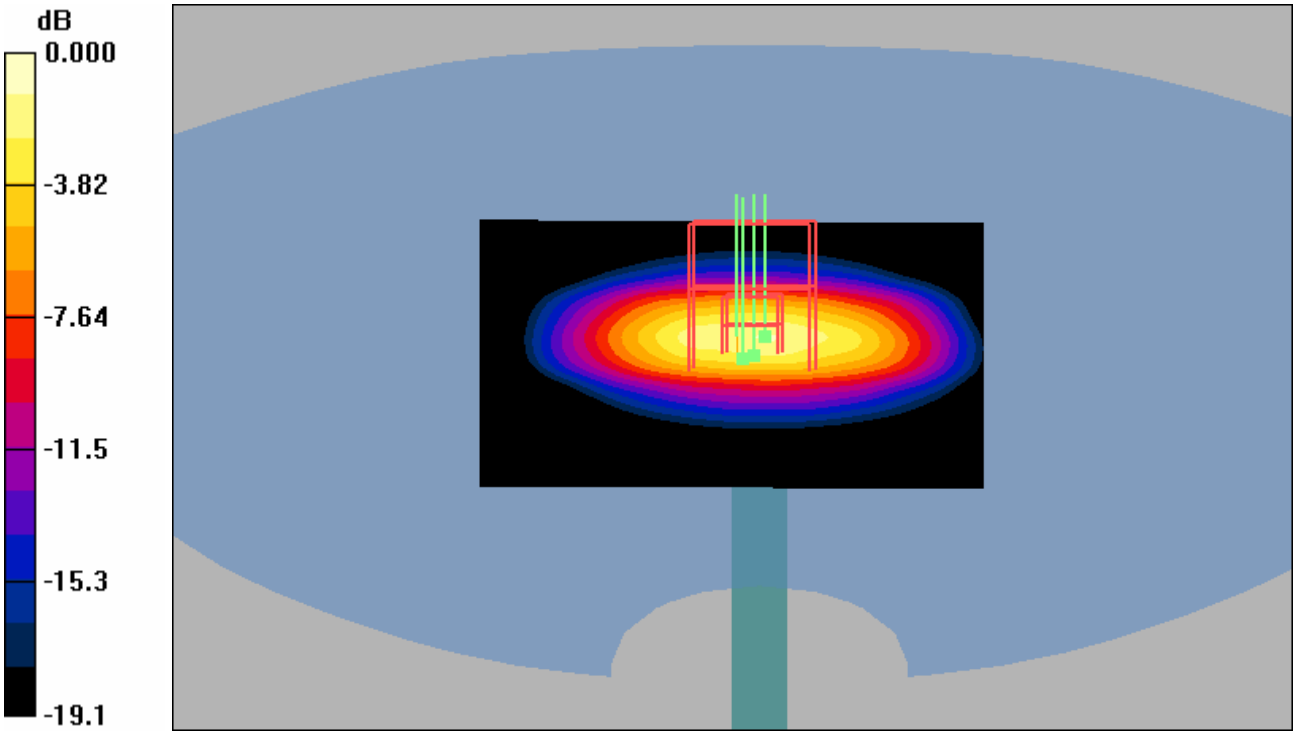
Prepared (also subject responsible if other)	No.	
SEM/CV/PF/P Gerard Hayes and Rodney Dixon	REP 2007 003 Z750i 02	
Approved / Checked		
SEM/CV/PF/P Gerard Hayes	D	

1900 MHz SAR Distribution of Validation Dipole Antenna
System Performance Check (Using body tissue).

Validation_1900Body_536_1020_08Aug07_T01

File Name: Validation_1900Body_536_1020_08Aug07_T01.da4

Phantom: SAM with CRP (High Band Body)Phantom section: Flat Section
Probe: ET3DV6 - SN1587ConvF(4.76, 4.76, 4.76)Duty Cycle: 1:1Frequency: 1900 MHz
Medium parameters used: f = 1900 MHz; σ = 1.55 mho/m; ε_r = 51.5; ρ = 1000 kg/m^3
Measurement Standard: DASY4 (High Precision Assessment)
Dipole at 10 mm/Area Scan (61x61x1):
Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 5.06 mW/g
Dipole at 10 mm/Zoom Scan (7x7x7)/Cube 0:
Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 56.9 V/m; Power Drift = -0.010 dB
Peak SAR (extrapolated) = 6.61 W/kg
SAR(1 g) = 3.9 mW/g; SAR(10 g) = 2.07 mW/g
Maximum value of SAR (measured) = 4.41 mW/g
Dipole at 10 mm/Zoom Scan (31x31x36)/Cube 0:
Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 56.9 V/m; Power Drift = -0.010 dB
Maximum value of SAR (interpolated) = 6.61 mW/g
Dipole at 10 mm/Zoom Scan 2 (7x7x7)/Cube 0:
Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 56.9 V/m; Power Drift = -0.010 dB
Peak SAR (extrapolated) = 6.65 W/kg
SAR(1 g) = 3.9 mW/g; SAR(10 g) = 2.08 mW/g
Maximum value of SAR (measured) = 4.42 mW/g
Dipole at 10 mm/Zoom Scan 2 (31x31x36)/Cube 0:
Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 56.9 V/m; Power Drift = -0.010 dB
Maximum value of SAR (interpolated) = 6.65 mW/g
Procedure Notes: Pin: before 100 mW / after 100.2 mW
Humidity: 45.1 % Ambient Temp: 21.7 C Simulant Temp: 21.8 C



0 dB = 6.65mW/g

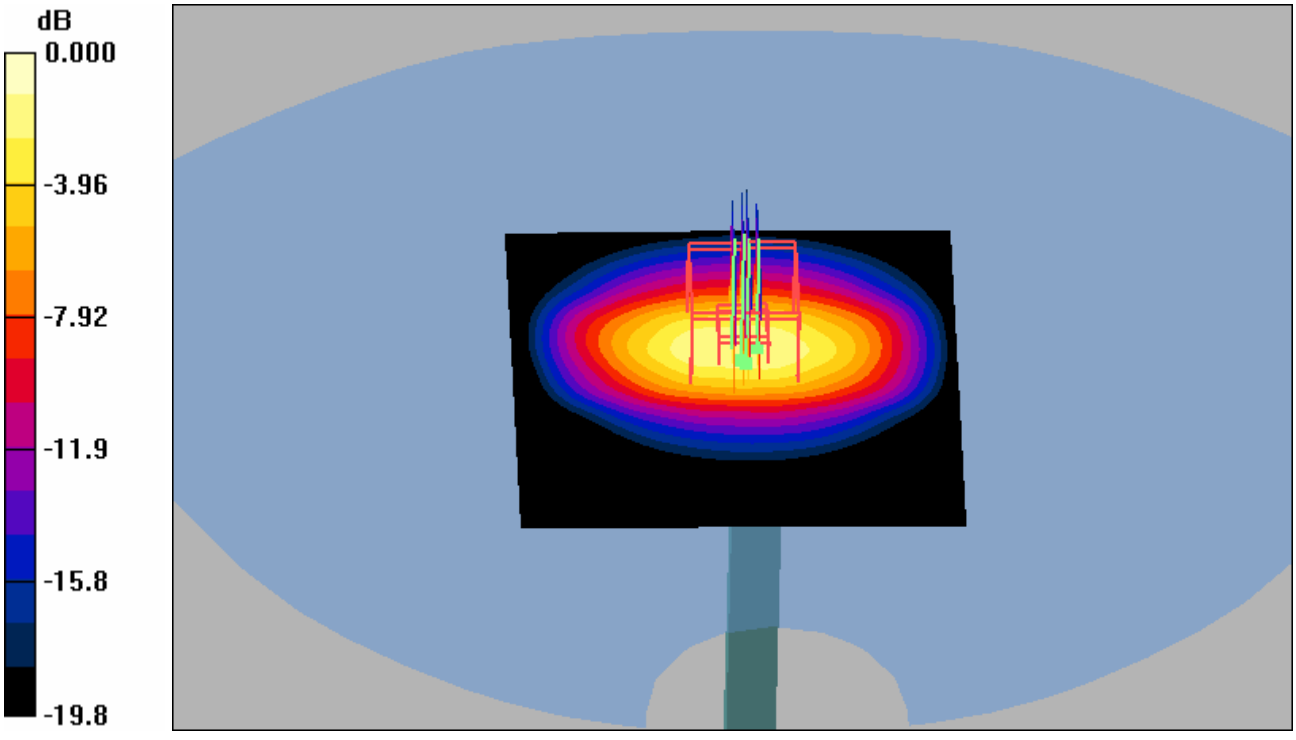
Prepared (also subject responsible if other)	No.	
SEM/CV/PF/P Gerard Hayes and Rodney Dixon	REP 2007 003 Z750i 02	
Approved / Checked		D
SEM/CV/PF/P Gerard Hayes		

1900 MHz SAR Distribution of Validation Dipole Antenna
System Performance Check (Using body tissue).

Validation_1900Body_536_1054_10Aug07_T01

File Name: Validation_1900Body_536_1054_10Aug07_T01.da4

Phantom: SAM with CRP (High Band Head)Phantom section: Flat Section
Probe: ET3DV6 - SN1586ConvF(5.17, 5.17, 5.17)Duty Cycle: 1:1Frequency: 1900 MHz
Medium parameters used: f = 1900 MHz; σ = 1.47 mho/m; ε_r = 38.2; ρ = 1000 kg/m^3
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 = 55.3 V/m; Power Drift = 0.013 dB
Peak SAR (extrapolated) = 6.69 W/kg
SAR(1 g) = 3.9 mW/g; SAR(10 g) = 2.05 mW/g
Maximum value of SAR (measured) = 4.41 mW/g
Dipole at 10 mm/Zoom Scan (31x31x36)/Cube 0:
Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 55.3 V/m; Power Drift = 0.013 dB
Maximum value of SAR (interpolated) = 6.69 mW/g
Dipole at 10 mm/Zoom Scan 2 (7x7x7)/Cube 0:
Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 55.3 V/m; Power Drift = 0.013 dB
Peak SAR (extrapolated) = 6.36 W/kg
SAR(1 g) = 3.75 mW/g; SAR(10 g) = 1.98 mW/g
Maximum value of SAR (measured) = 4.19 mW/g
Dipole at 10 mm/Zoom Scan 2 (31x31x36)/Cube 0:
Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 55.3 V/m; Power Drift = 0.013 dB
Maximum value of SAR (interpolated) = 6.36 mW/g
Procedure Notes: Pin: before 100.2 mW / after 100.5 mW
Humidity: 48.4 % Ambient Temp: 21 C Simulant Temp: 21.3 C



0 dB = 6.36mW/g

Appendix 2

SAR distribution plots for Phantom Head Adjacent Use

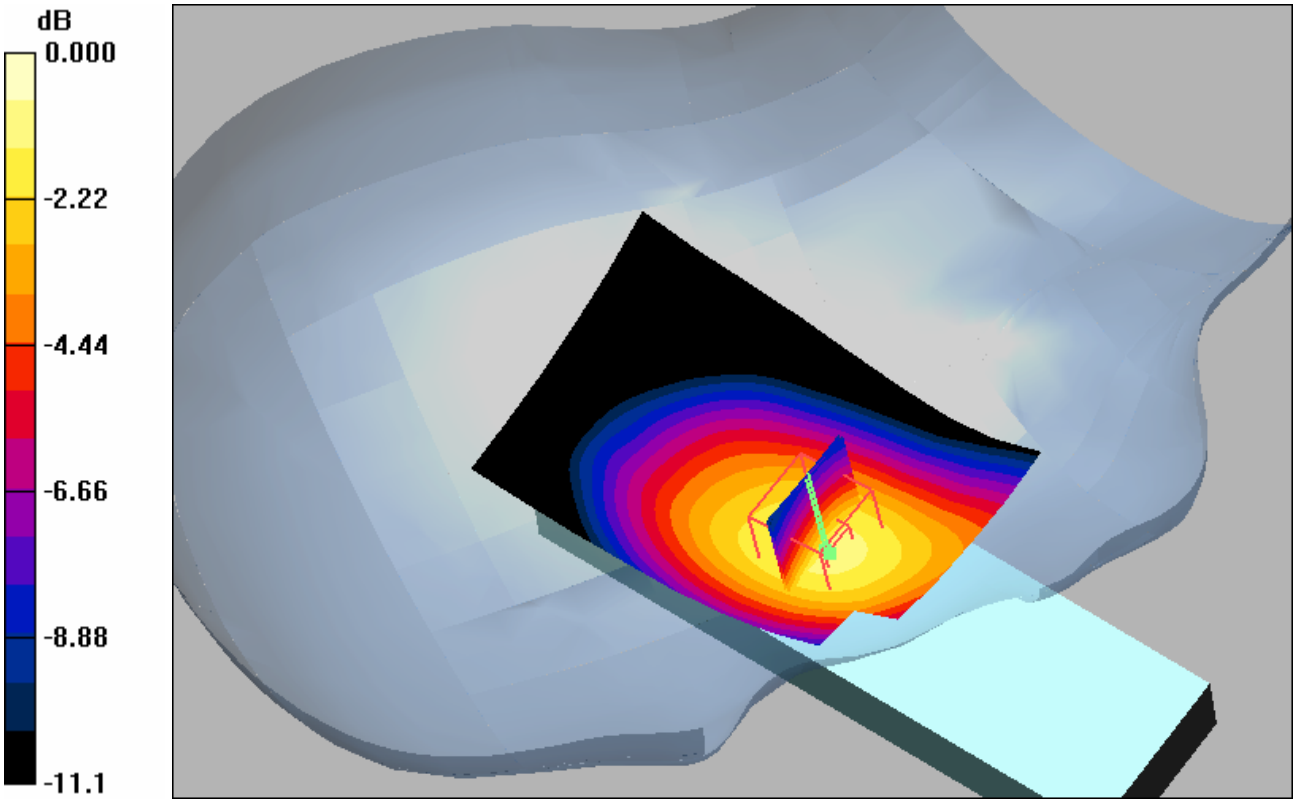
Prepared (also subject responsible if other)	No.	
SEM/CV/PF/P Gerard Hayes and Rodney Dixon	REP 2007 003 Z750i 02	
Approved / Checked		
SEM/CV/PF/P Gerard Hayes	D	

800 GSM Band: SAR Distribution and Extrapolation of Maximum SAR
Model: Z750i with Standard Battery: BST-33, Right Side, Cheek/Touch Position.

Date/Time: 8/2/2007 11:52:23 AM
File Name: 02Aug07_Z750_GSM850_9CLJ_RC01.da4
DUT: Z750
Phantom: SAM with CRP (Low Band Head)Phantom section: Right Section
Probe: ET3DV6 - SN1586ConvF(6.63, 6.63, 6.63)
Medium parameters used (interpolated): f = 836 MHz; σ = 0.906 mho/m; ε_r = 41.2; ρ = 1000 kg/m^3
Measurement Standard: DASY4 (High Precision Assessment)
Program Notes: Battery BST-33 Humidity - 46.9 % Ambient Temp - 20.8 C Simulant Temp - 21.4 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 Sn369; Calibrated: 5/29/2007
- Phantom: SAM with CRP (Low Band Head); Type: SAM; Serial: 1251
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

Unnamed procedure 2/Area Scan (51x81x1):
Measurement grid: dx=15mm, dy=15mm
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 1.55 mW/g
Unnamed procedure 2/Zoom Scan (7x7x7)/Cube 0:
Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 15.3 V/m; Power Drift = -0.107 dB
Peak SAR (extrapolated) = 2.01 W/kg
SAR(1 g) = 1.48 mW/g; SAR(10 g) = 1.04 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.57 mW/g
Unnamed procedure 2/Zoom Scan (31x31x36)/Cube 0:
Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 15.3 V/m; Power Drift = -0.107 dB
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 2.01 mW/g

Prepared (also subject responsible if other)	No.	
SEM/CV/PF/P Gerard Hayes and Rodney Dixon	REP 2007 003 Z750i 02	
Approved / Checked		
SEM/CV/PF/P Gerard Hayes	D	



0 dB = 2.01mW/g

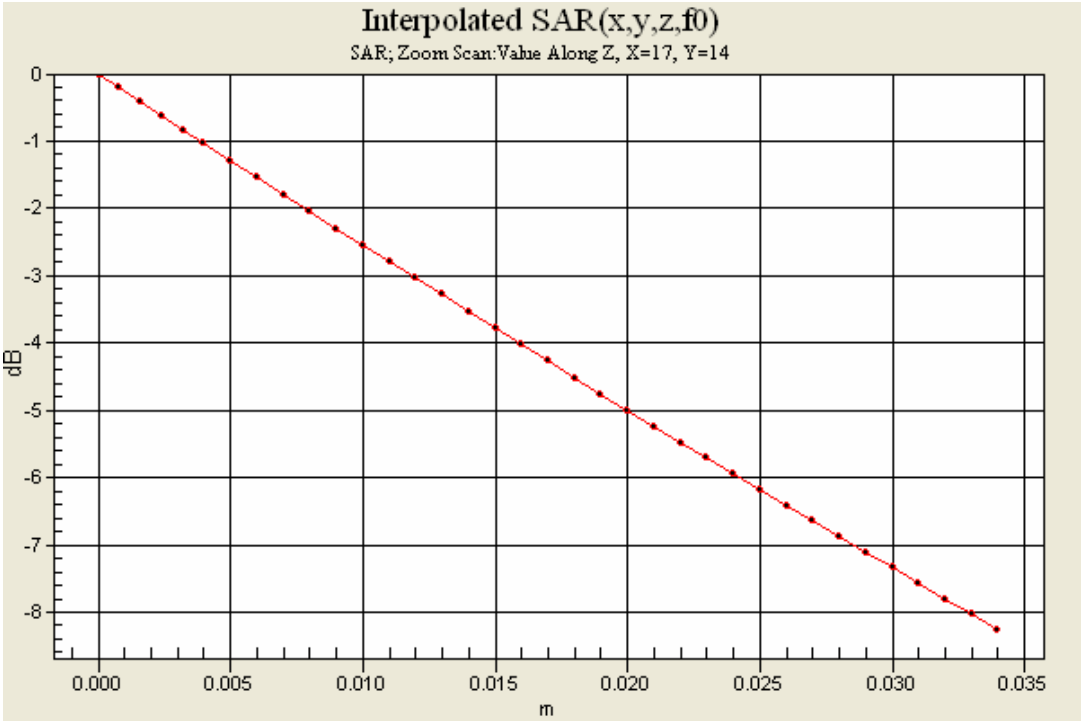


Exhibit 11

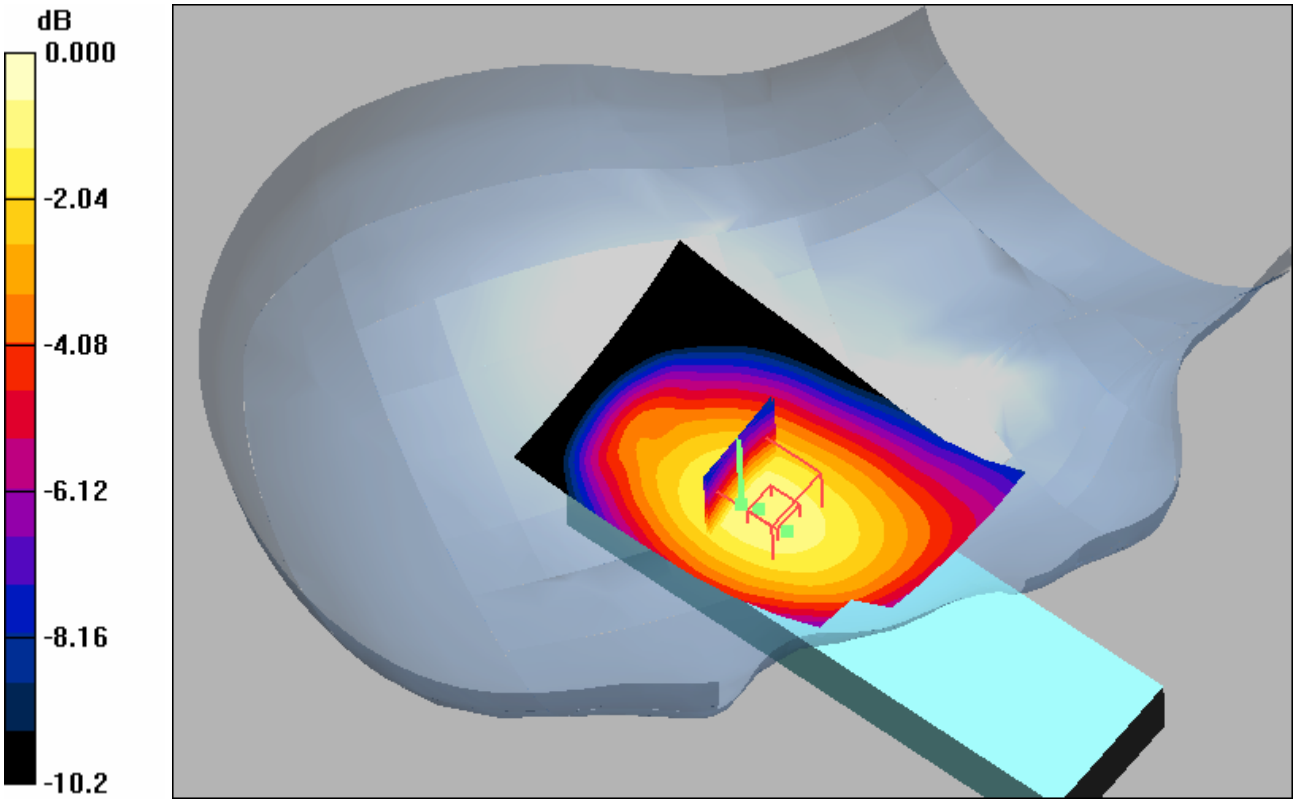
Prepared (also subject responsible if other)	No.	
SEM/CV/PF/P Gerard Hayes and Rodney Dixon	REP 2007 003 Z750i 02	
Approved / Checked		
SEM/CV/PF/P Gerard Hayes	D	

800 GSM Band: Distribution and Extrapolation of Maximum SAR
Model: Z750i with Standard Battery: BST-33, Right Side, Tilt Position.

Date/Time: 8/2/2007 1:34:11 PM
File Name: 02Aug07_Z750_GSM850_9CLJ_RT01.da4
DUT: Z750
Phantom: SAM with CRP (Low Band Head)Phantom section: Right Section
Probe: ET3DV6 - SN1586ConvF(6.63, 6.63, 6.63)
Medium parameters used (interpolated): f = 836 MHz; σ = 0.906 mho/m; ε_r = 41.2; ρ = 1000 kg/m^3
Measurement Standard: DASY4 (High Precision Assessment)
Program Notes: Battery BST-33 Humidity - 46.9 % Ambient Temp - 20.8 C Simulant Temp - 21.4 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 Sn369; Calibrated: 5/29/2007
- Phantom: SAM with CRP (Low Band Head); Type: SAM; Serial: 1251
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

Unnamed procedure 2/Area Scan (51x81x1):
Measurement grid: dx=15mm, dy=15mm
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.479 mW/g
Unnamed procedure 2/Zoom Scan (7x7x7)/Cube 0:
Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 16.0 V/m; Power Drift = -0.041 dB
Peak SAR (extrapolated) = 0.567 W/kg
SAR(1 g) = 0.447 mW/g; SAR(10 g) = 0.338 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.474 mW/g
Unnamed procedure 2/Zoom Scan (31x31x36)/Cube 0:
Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 16.0 V/m; Power Drift = -0.041 dB
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.567 mW/g

Prepared (also subject responsible if other)	No.	
SEM/CV/PF/P Gerard Hayes and Rodney Dixon	REP 2007 003 Z750i 02	
Approved / Checked		
SEM/CV/PF/P Gerard Hayes	D	



0 dB = 0.567mW/g

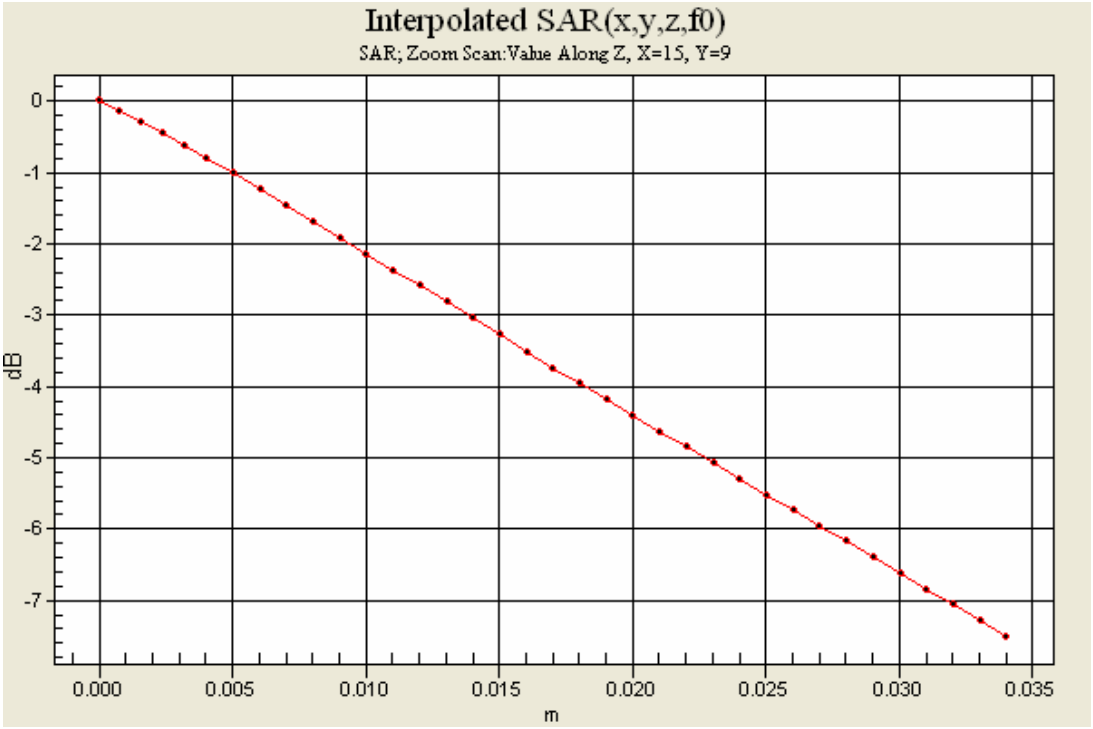
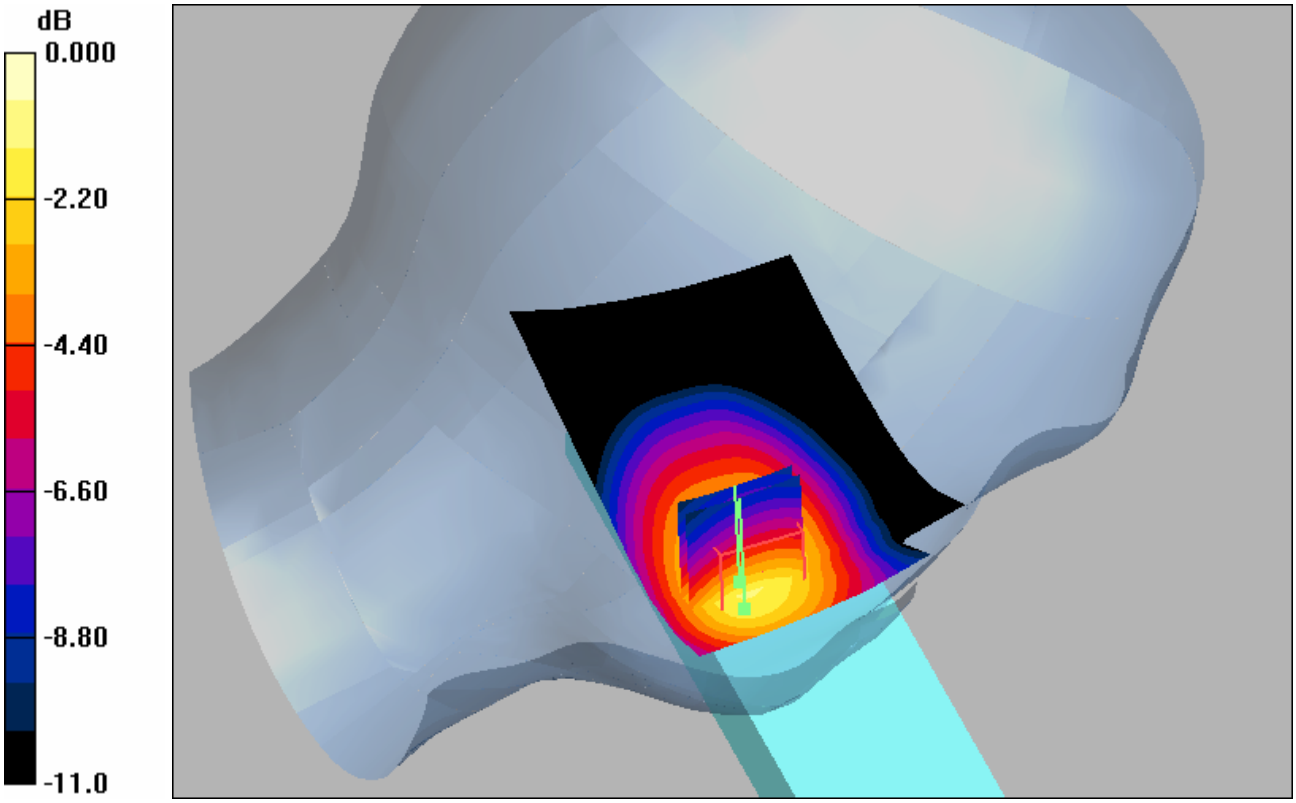


Exhibit 11

Prepared (also subject responsible if other)	No.	
SEM/CV/PF/P Gerard Hayes and Rodney Dixon	REP 2007 003 Z750i 02	
Approved / Checked		
SEM/CV/PF/P Gerard Hayes	D	

800 GSM Band: Distribution and Extrapolation of Maximum SAR
Model: Z750i with Standard Battery: BST-33, Left Side, Cheek/Touch Position.
Date/Time: 8/2/2007 8:48:14 AM
File Name: 02Aug07_Z750_GSM850_9CLJ_LC01.da4
DUT: Z750
Phantom: SAM with CRP (Low Band Head)Phantom section: Left Section
Probe: ET3DV6 - SN1586ConvF(6.63, 6.63, 6.63)
Medium parameters used (interpolated): f = 849 MHz; σ = 0.918 mho/m; ε_r = 41; ρ = 1000 kg/m^3
Measurement Standard: DASY4 (High Precision Assessment)
Program Notes: Battery BST-33 Humidity - 45.2 % Ambient Temp - 21.5 C Simulant Temp - 21.8 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 Sn369; Calibrated: 5/29/2007
- Phantom: SAM with CRP (Low Band Head); Type: SAM; Serial: 1251
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172
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) = 1.46 mW/g
Unnamed procedure 3/Zoom Scan (7x7x7)/Cube 0:
Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 10.6 V/m; Power Drift = -0.099 dB
Peak SAR (extrapolated) = 1.94 W/kg
SAR(1 g) = 1.37 mW/g; SAR(10 g) = 0.951 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.46 mW/g
Unnamed procedure 3/Zoom Scan (31x31x36)/Cube 0:
Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 10.6 V/m; Power Drift = -0.099 dB
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 1.94 mW/g

Prepared (also subject responsible if other)	No.	
SEM/CV/PF/P Gerard Hayes and Rodney Dixon	REP 2007 003 Z750i 02	
Approved / Checked		
SEM/CV/PF/P Gerard Hayes	D	



0 dB = 1.94mW/g

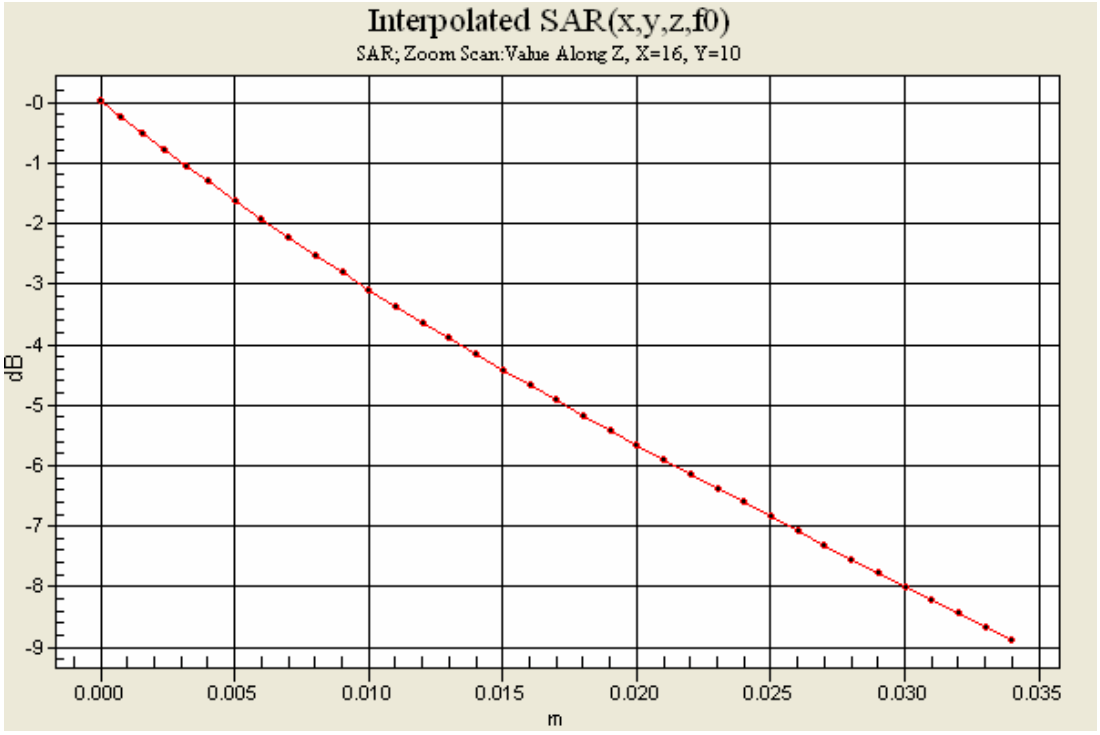


Exhibit 11

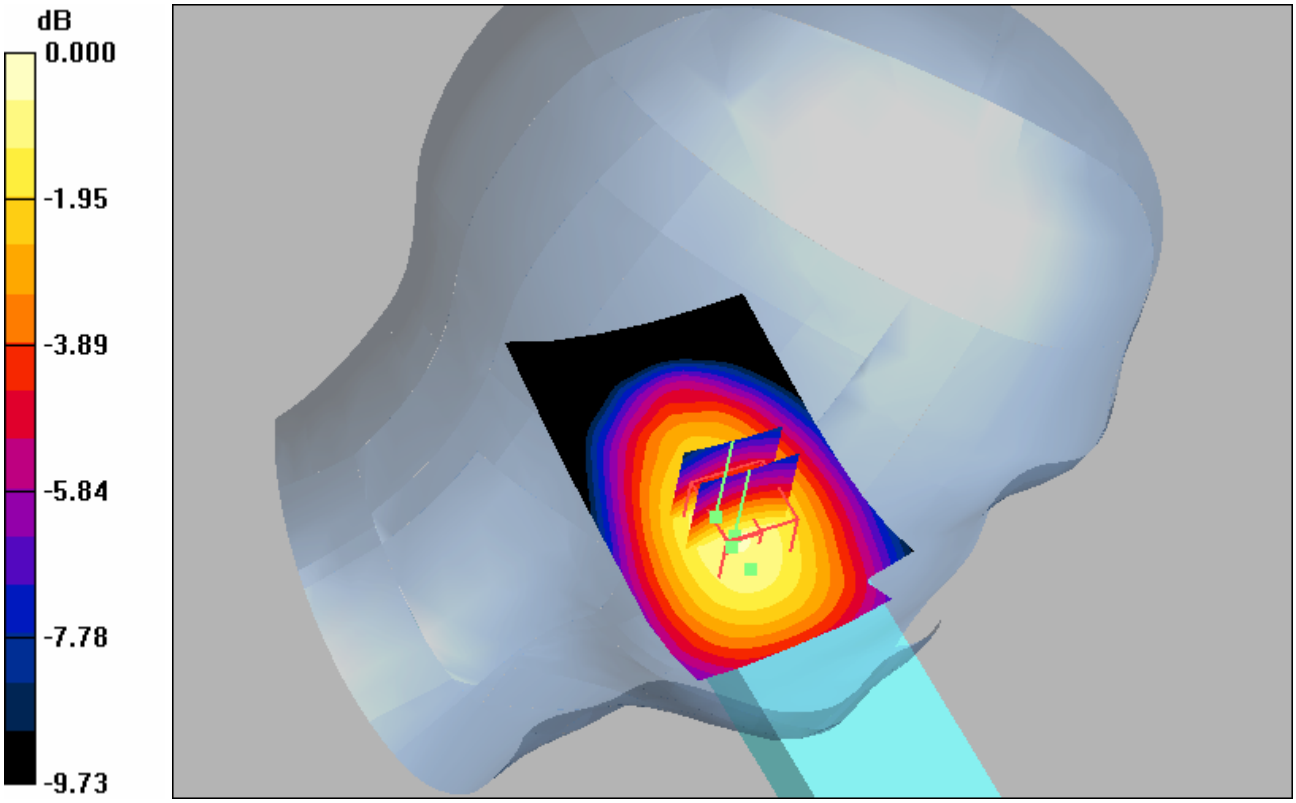
Prepared (also subject responsible if other)	No.	
SEM/CV/PF/P Gerard Hayes and Rodney Dixon	REP 2007 003 Z750i 02	
Approved / Checked		
SEM/CV/PF/P Gerard Hayes	D	

800 GSM Band: Distribution and Extrapolation of Maximum SAR
Model: Z750i with Standard Battery: BST-33, Left Side, Tilt Position.

Date/Time: 8/2/2007 9:08:34 AM
File Name: 02Aug07_Z750_GSM850_9CLJ_LT01.da4
DUT: Z750
Phantom: SAM with CRP (Low Band Head)Phantom section: Left Section
Probe: ET3DV6 - SN1586ConvF(6.63, 6.63, 6.63)
Medium parameters used (interpolated): f = 836 MHz; σ = 0.906 mho/m; ε_r = 41.2; ρ = 1000 kg/m^3
Measurement Standard: DASY4 (High Precision Assessment)
Program Notes: Battery BST-33 Humidity - 45.2 % Ambient Temp - 21.5 C Simulant Temp - 21.8 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 Sn369; Calibrated: 5/29/2007
- Phantom: SAM with CRP (Low Band Head); Type: SAM; Serial: 1251
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

Unnamed procedure 2/Area Scan (51x81x1):
Measurement grid: dx=15mm, dy=15mm
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.496 mW/g
Unnamed procedure 2/Zoom Scan (7x7x7)/Cube 0:
Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 13.9 V/m; Power Drift = -0.033 dB
Peak SAR (extrapolated) = 0.567 W/kg
SAR(1 g) = 0.455 mW/g; SAR(10 g) = 0.342 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.485 mW/g
Unnamed procedure 2/Zoom Scan (31x31x36)/Cube 0:
Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 13.9 V/m; Power Drift = -0.033 dB
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.567 mW/g

Prepared (also subject responsible if other)	No.	
SEM/CV/PF/P Gerard Hayes and Rodney Dixon	REP 2007 003 Z750i 02	
Approved / Checked		
SEM/CV/PF/P Gerard Hayes	D	



0 dB = 0.567mW/g

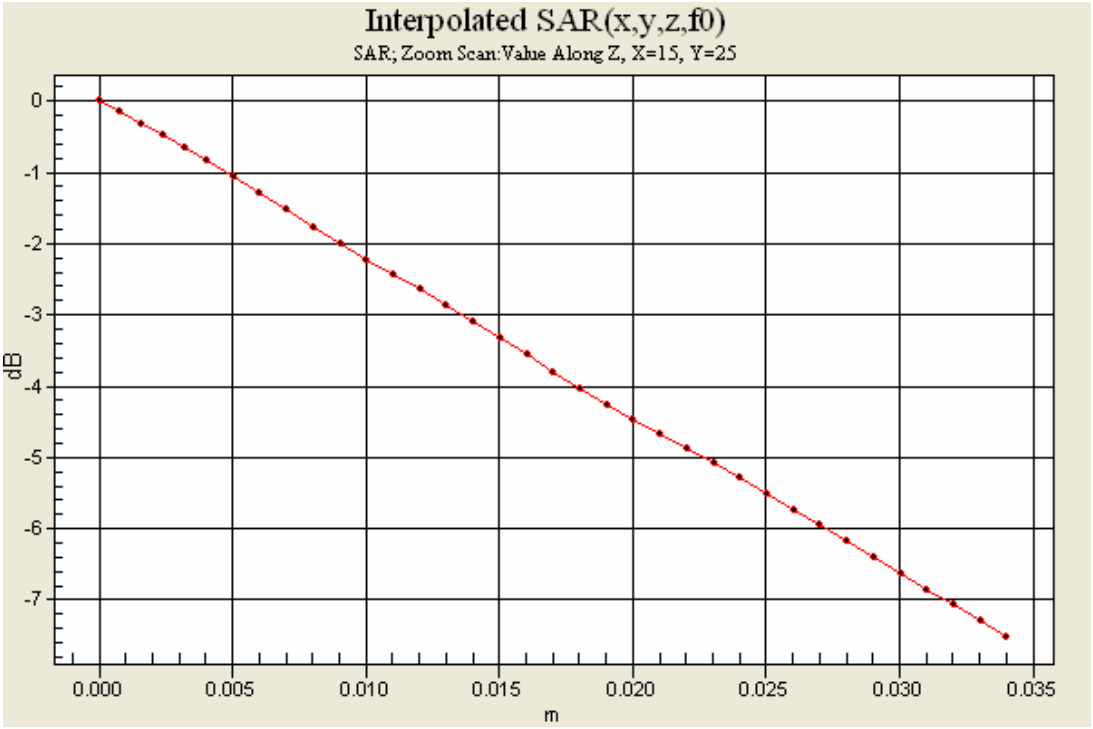


Exhibit 11

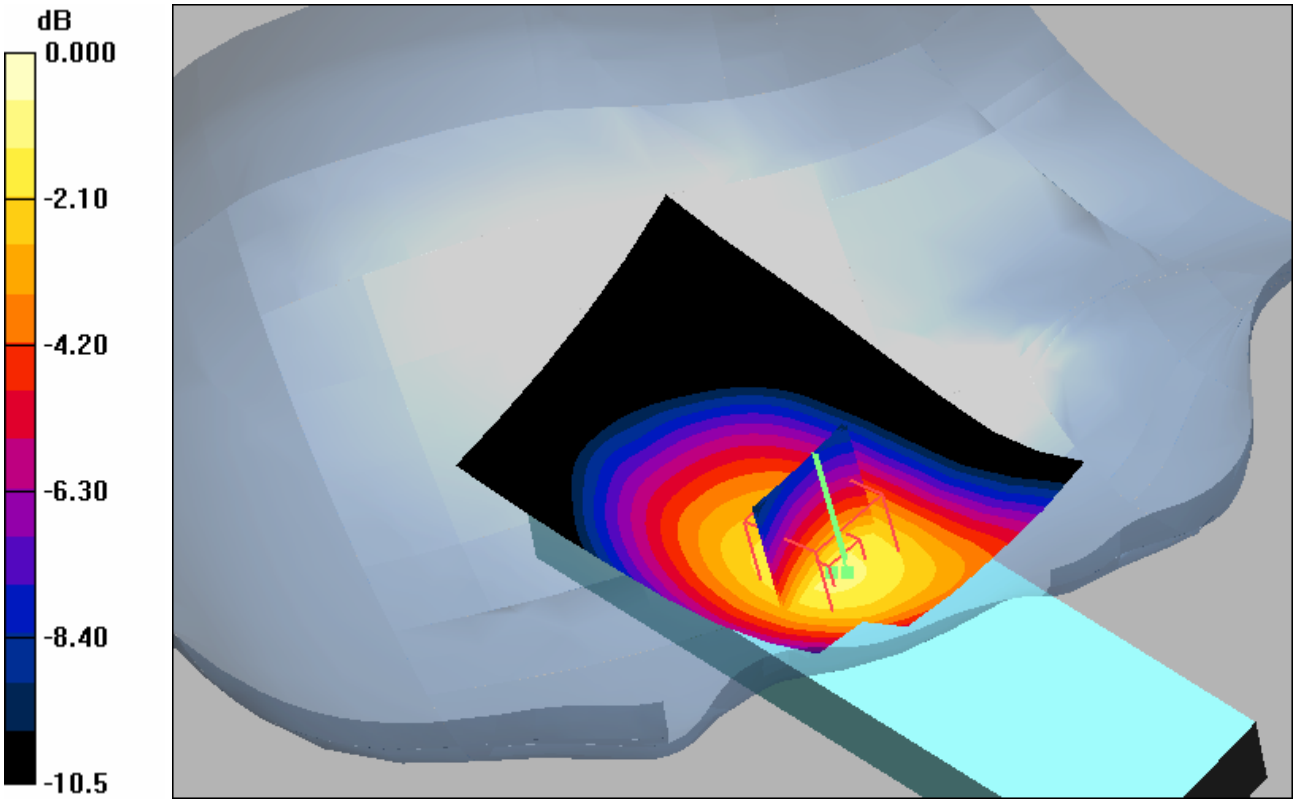
Prepared (also subject responsible if other)	No.	
SEM/CV/PF/P Gerard Hayes and Rodney Dixon	REP 2007 003 Z750i 02	
Approved / Checked		
SEM/CV/PF/P Gerard Hayes	D	

800 GSM Band: Distribution and Extrapolation of Maximum SAR
Model: Z750i with Standard Battery: BST-33, Right Side, Cheek/Touch Position with Blue Tooth.

Date/Time: 8/2/2007 2:41:36 PM
File Name: 02Aug07_Z750_GSM850_9CLJ_BT_RC01.da4
DUT: Z750
Phantom: SAM with CRP (Low Band Head)Phantom section: Right Section
Probe: ET3DV6 - SN1586ConvF(6.63, 6.63, 6.63)
Medium parameters used (interpolated): f = 836 MHz; σ = 0.906 mho/m; ε_r = 41.2; ρ = 1000 kg/m^3
Measurement Standard: DASY4 (High Precision Assessment)
Program Notes: Battery BST-33 Humidity - 49 % Ambient Temp - 21.3 C Simulant Temp - 21.5 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 Sn369; Calibrated: 5/29/2007
- Phantom: SAM with CRP (Low Band Head); Type: SAM; Serial: 1251
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

Unnamed procedure 2/Area Scan (51x81x1):
Measurement grid: dx=15mm, dy=15mm
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 1.43 mW/g
Unnamed procedure 2/Zoom Scan (7x7x7)/Cube 0:
Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 14.6 V/m; Power Drift = -0.049 dB
Peak SAR (extrapolated) = 1.88 W/kg
SAR(1 g) = 1.38 mW/g; SAR(10 g) = 0.975 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.47 mW/g
Unnamed procedure 2/Zoom Scan (31x31x36)/Cube 0:
Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 14.6 V/m; Power Drift = -0.049 dB
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 1.88 mW/g

Prepared (also subject responsible if other)	No.	
SEM/CV/PF/P Gerard Hayes and Rodney Dixon	REP 2007 003 Z750i 02	
Approved / Checked		
SEM/CV/PF/P Gerard Hayes	D	



0 dB = 1.88mW/g

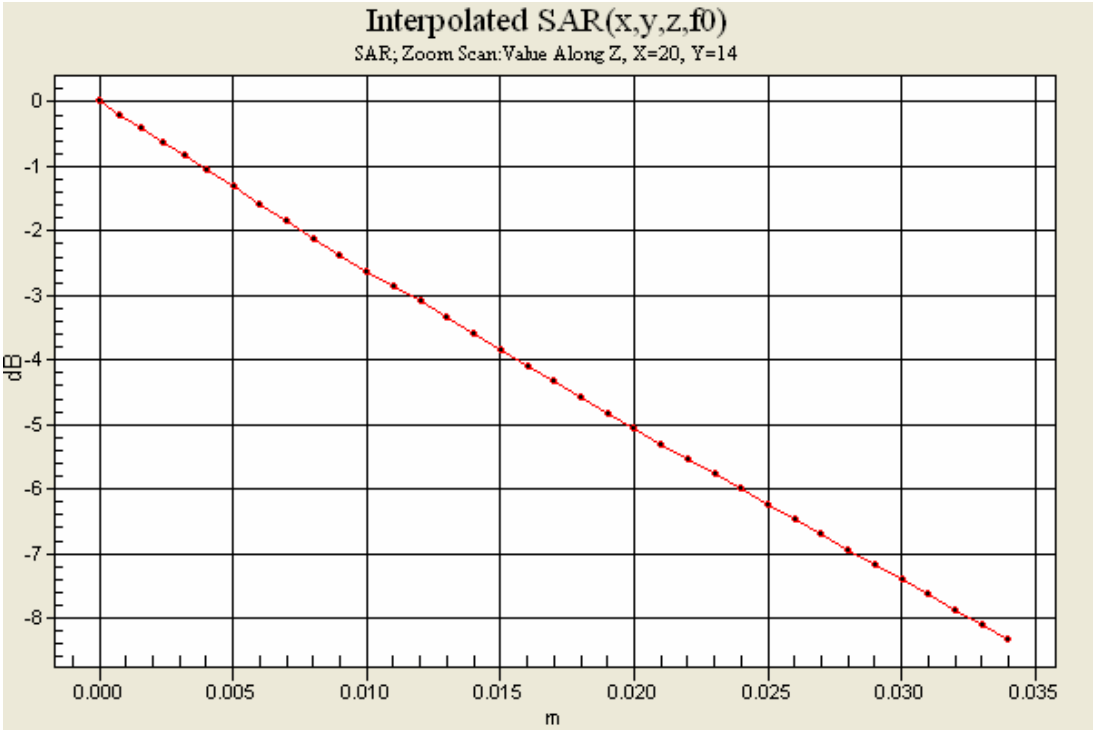


Exhibit 11

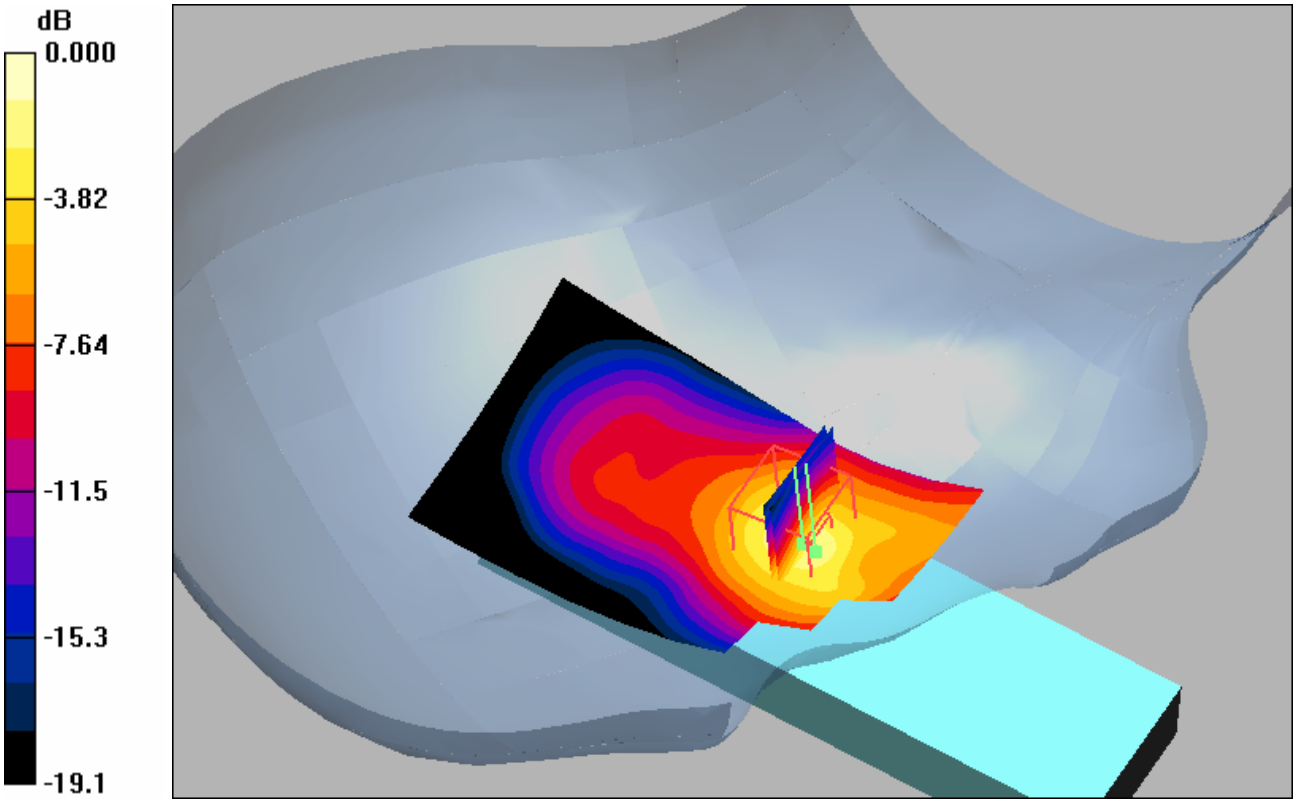
Prepared (also subject responsible if other)	No.	
SEM/CV/PF/P Gerard Hayes and Rodney Dixon	REP 2007 003 Z750i 02	
Approved / Checked		
SEM/CV/PF/P Gerard Hayes	D	

1900 GSM Band: Distribution and Extrapolation of Maximum SAR
Model: Z750i with Standard Battery: BST-33, Right Side, Cheek/Touch Position.

Date/Time: 8/2/2007 9:46:45 AM
File Name: 02Aug07_Z750_GSM1900_9CLS_RC01.da4
DUT: Z750
Phantom: SAM with CRP (High Band Head)Phantom section: Right Section
Probe: ET3DV6 - SN1538ConvF(4.89, 4.89, 4.89)
Medium parameters used: f = 1910 MHz; σ = 1.47 mho/m; ε_r = 38.1; ρ = 1000 kg/m^3
Measurement Standard: DASY4 (High Precision Assessment)
Program Notes: Battery - BST33 Humidity - 46.9 % Ambient Temp - 20.8 C Simulant Tem - 21.4 C
DASY4 Configuration:
- Probe: ET3DV6 - SN1538; ConvF(4.89, 4.89, 4.89); Calibrated: 5/23/2007
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn431; Calibrated: 5/29/2007
- Phantom: SAM with CRP (High Band Head); Type: SAM; Serial: TP: 1054
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

Unnamed procedure 3/Area Scan (51x81x1):
Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.658 mW/g
Unnamed procedure 3/Zoom Scan (7x7x7)/Cube 0:
Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 7.17 V/m; Power Drift = 0.043 dB
Peak SAR (extrapolated) = 0.951 W/kg
SAR(1 g) = 0.605 mW/g; SAR(10 g) = 0.336 mW/g
Maximum value of SAR (measured) = 0.685 mW/g
Unnamed procedure 3/Zoom Scan (31x31x36)/Cube 0:
Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 7.17 V/m; Power Drift = 0.043 dB
Maximum value of SAR (interpolated) = 0.951 mW/g

Prepared (also subject responsible if other)	No.	
SEM/CV/PF/P Gerard Hayes and Rodney Dixon	REP 2007 003 Z750i 02	
Approved / Checked		
SEM/CV/PF/P Gerard Hayes	D	



0 dB = 0.951mW/g

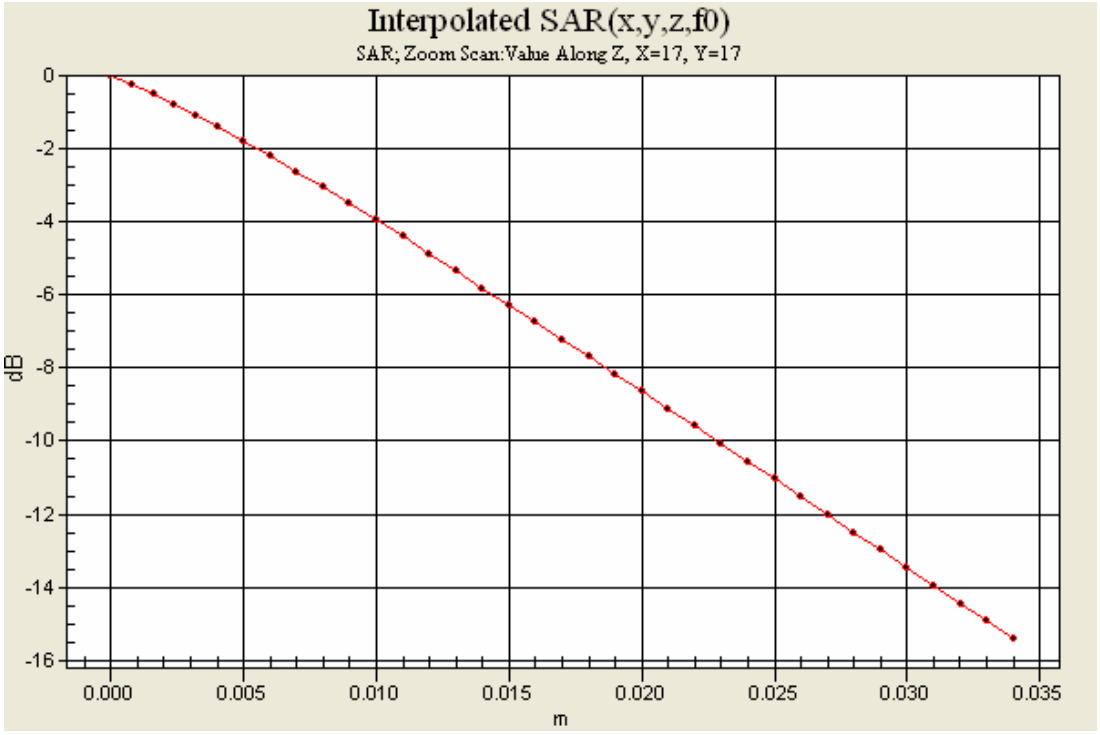


Exhibit 11

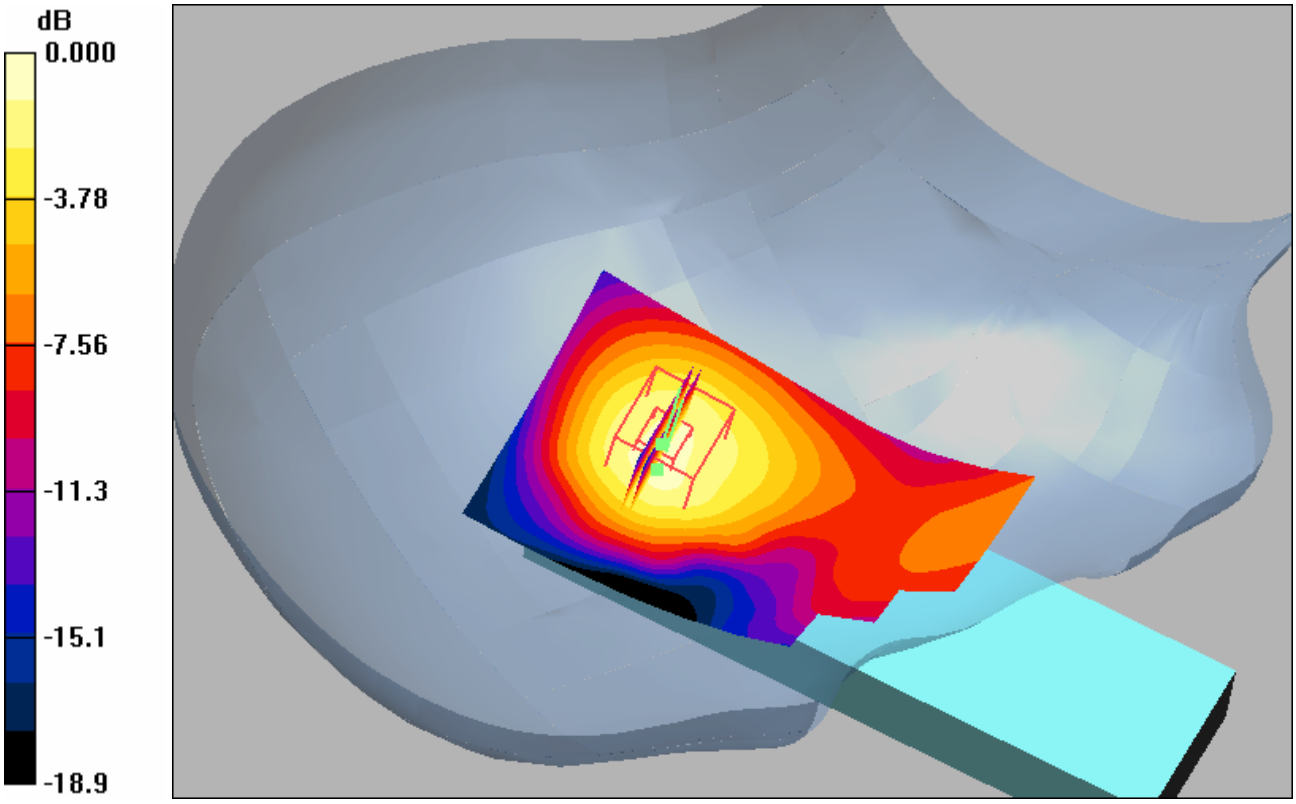
Prepared (also subject responsible if other)	No.	
SEM/CV/PF/P Gerard Hayes and Rodney Dixon	REP 2007 003 Z750i 02	
Approved / Checked		
SEM/CV/PF/P Gerard Hayes	D	

1900 GSM Band: Distribution and Extrapolation of Maximum SAR
Model: Z750i with Standard Battery: BST-33, Right Side, Tilt Position.

Date/Time: 8/2/2007 10:50:56 AM
File Name: 02Aug07_Z750_GSM1900_9CLS_RT01.da4
DUT: Z750
Phantom: SAM with CRP (High Band Head)Phantom section: Right Section
Probe: ET3DV6 - SN1538ConvF(4.89, 4.89, 4.89)
Medium parameters used: f = 1880 MHz; σ = 1.45 mho/m; ε_r = 38.2; ρ = 1000 kg/m^3
Measurement Standard: DASY4 (High Precision Assessment)
Program Notes: Battery - BST33 Humidity - 46.9 % Ambient Temp - 20.8 C Simulant Tem - 21.4 C
DASY4 Configuration:
- Probe: ET3DV6 - SN1538; ConvF(4.89, 4.89, 4.89); Calibrated: 5/23/2007
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn431; Calibrated: 5/29/2007
- Phantom: SAM with CRP (High Band Head); Type: SAM; Serial: TP: 1054
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

Unnamed procedure 2/Area Scan (51x81x1):
Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.152 mW/g
Unnamed procedure 2/Zoom Scan (7x7x7)/Cube 0:
Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 8.78 V/m; Power Drift = -0.017 dB
Peak SAR (extrapolated) = 0.179 W/kg
SAR(1 g) = 0.128 mW/g; SAR(10 g) = 0.081 mW/g
Maximum value of SAR (measured) = 0.139 mW/g
Unnamed procedure 2/Zoom Scan (31x31x36)/Cube 0:
Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 8.78 V/m; Power Drift = -0.017 dB
Maximum value of SAR (interpolated) = 0.179 mW/g

Prepared (also subject responsible if other)	No.	
SEM/CV/PF/P Gerard Hayes and Rodney Dixon	REP 2007 003 Z750i 02	
Approved / Checked		
SEM/CV/PF/P Gerard Hayes	D	



0 dB = 0.179mW/g

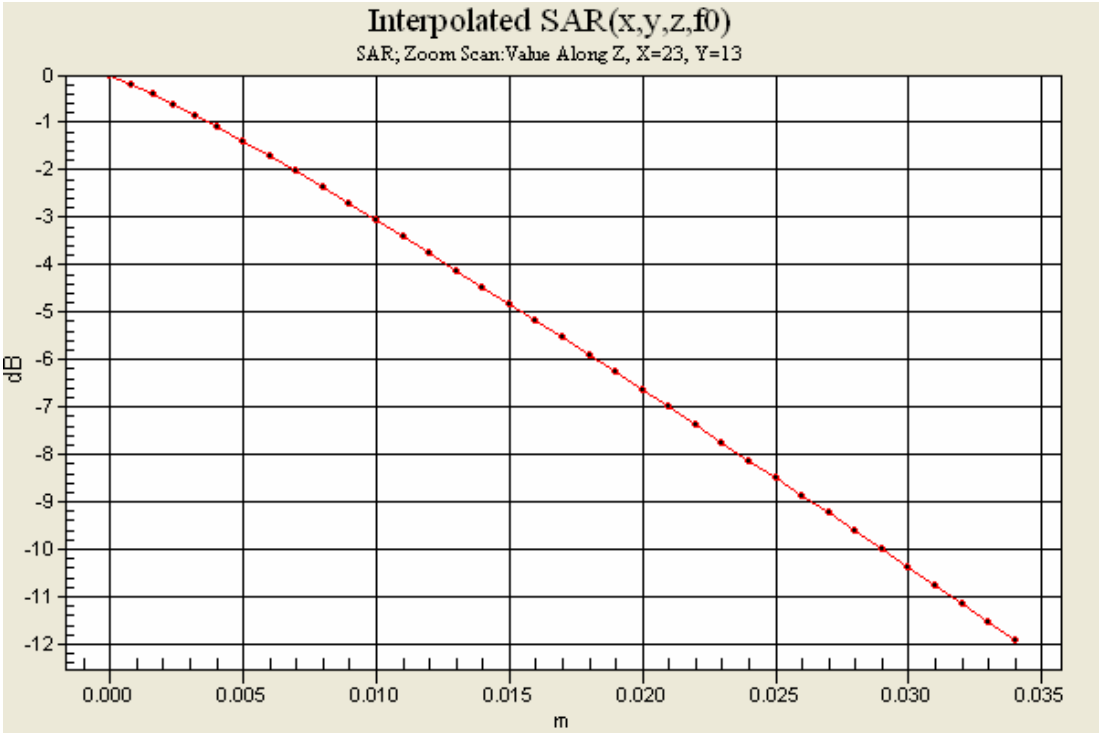


Exhibit 11

Prepared (also subject responsible if other)	No.	
SEM/CV/PF/P Gerard Hayes and Rodney Dixon	REP 2007 003 Z750i 02	
Approved / Checked		
SEM/CV/PF/P Gerard Hayes	D	

1900 GSM Band: Distribution and Extrapolation of Maximum SAR
Model: Z750i with Standard Battery: BST-33, Left Side, Cheek/Touch Position.

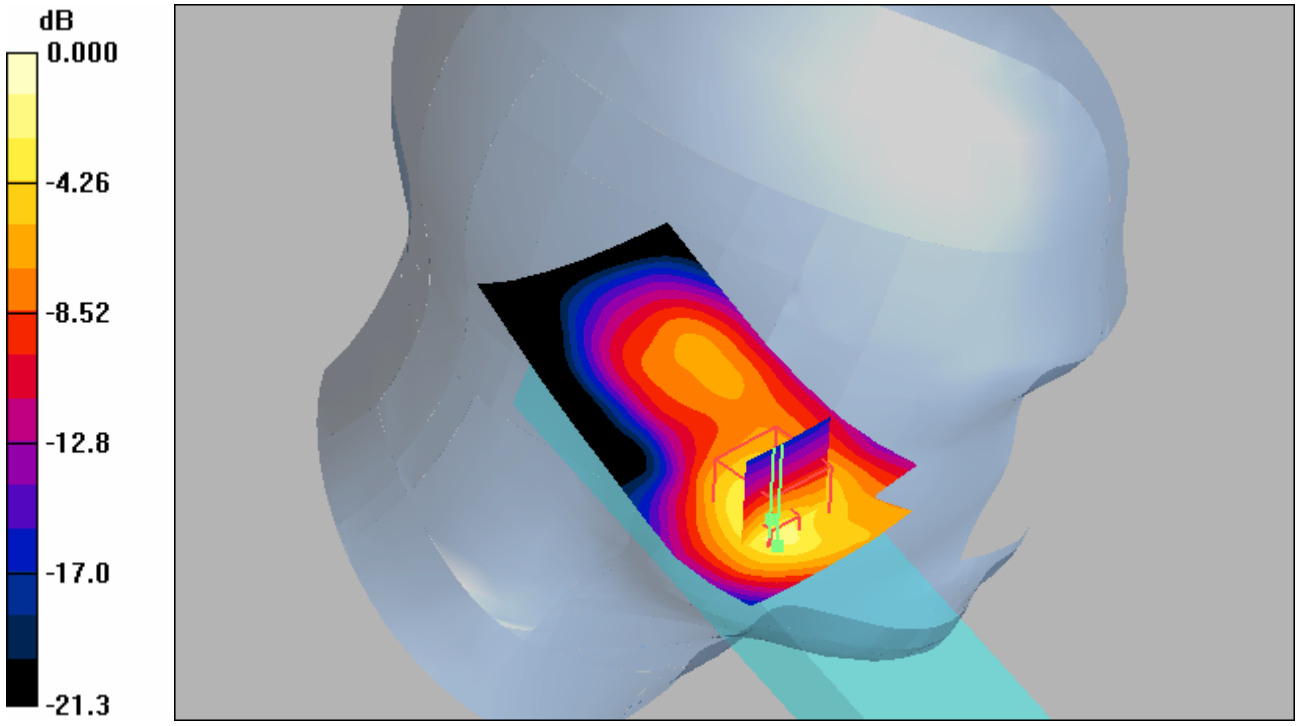
Date/Time: 8/2/2007 7:54:21 AM
File Name: 02Aug07_Z750_GSM1900_9CLS_LC01.da4
DUT: Z750
Phantom: SAM with CRP (High Band Head)Phantom section: Left Section
Probe: ET3DV6 - SN1538ConvF(4.89, 4.89, 4.89)
Medium parameters used: f = 1880 MHz; σ = 1.45 mho/m; ε_r = 38.2; ρ = 1000 kg/m^3
Measurement Standard: DASY4 (High Precision Assessment)
Program Notes: Battery - BST-33 Humidity: 39.9% Ambient Temp: 22.7 C Simulant Temp: 22.4 C
DASY4 Configuration:
- Probe: ET3DV6 - SN1538; ConvF(4.89, 4.89, 4.89); Calibrated: 5/23/2007
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn431; Calibrated: 5/29/2007
- Phantom: SAM with CRP (High Band Head); Type: SAM; Serial: TP: 1054
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 176

Unnamed procedure 2/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.503 mW/g

Unnamed procedure 2/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 7.20 V/m; Power Drift = -0.036 dB
Peak SAR (extrapolated) = 0.783 W/kg
SAR(1 g) = 0.431 mW/g; SAR(10 g) = 0.242 mW/g
Maximum value of SAR (measured) = 0.475 mW/g

Unnamed procedure 2/Zoom Scan (31x31x36)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 7.20 V/m; Power Drift = -0.036 dB
Maximum value of SAR (interpolated) = 0.783 mW/g

Prepared (also subject responsible if other)	No.	
SEM/CV/PF/P Gerard Hayes and Rodney Dixon	REP 2007 003 Z750i 02	
Approved / Checked		
SEM/CV/PF/P Gerard Hayes	D	



0 dB = 0.783mW/g

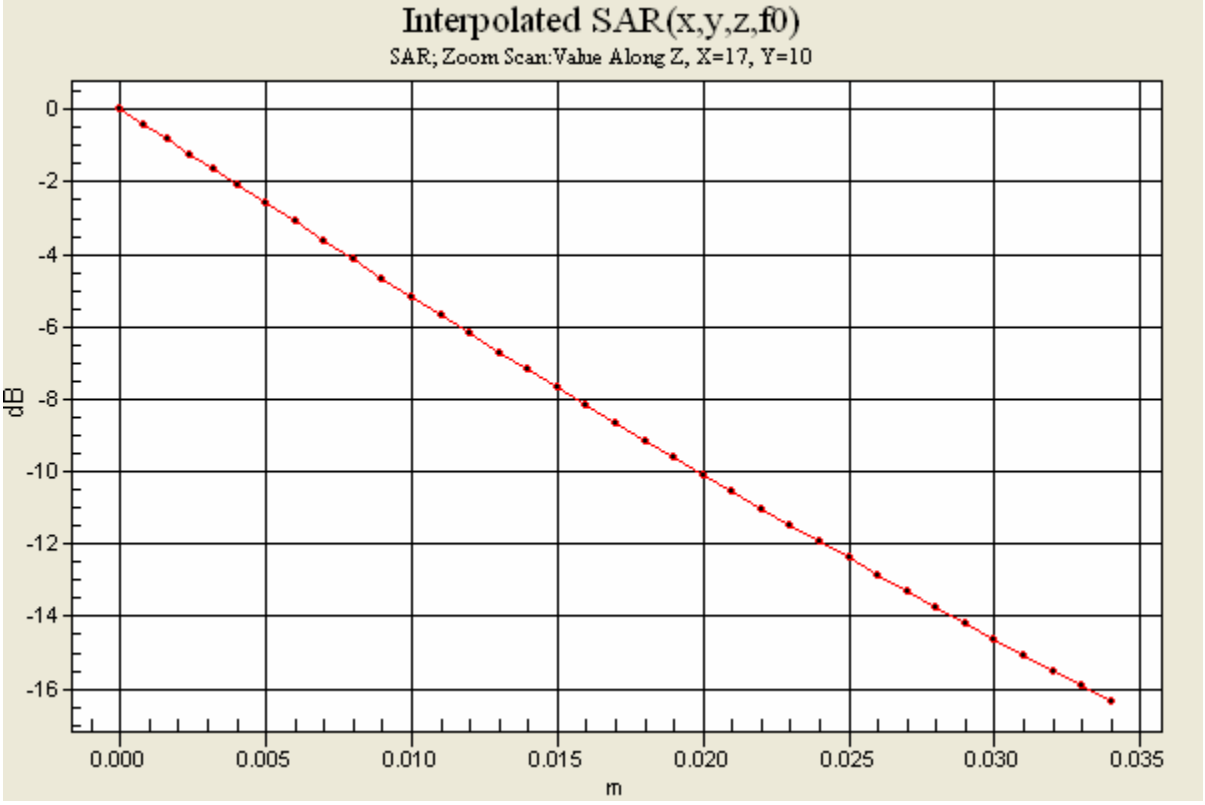


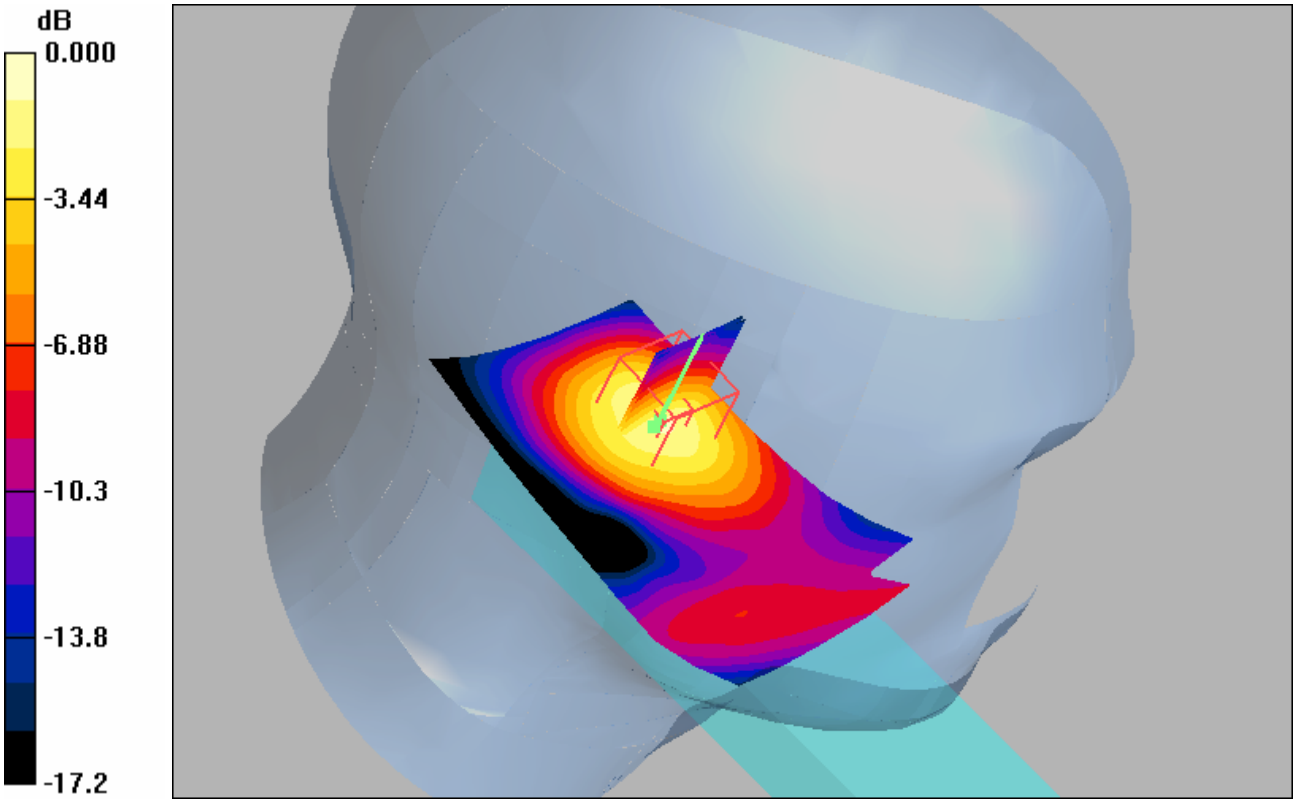
Exhibit 11

1900 GSM Band: Distribution and Extrapolation of Maximum SAR
Model: Z750i with Standard Battery: BST-33, Left Side, Tilt Position.

Date/Time: 8/2/2007 8:35:57 AM
File Name: 02Aug07_Z750_GSM1900_9CLS_LT01.da4
DUT: Z750
Phantom: SAM with CRP (High Band Head)Phantom section: Left Section
Probe: ET3DV6 - SN1538ConvF(4.89, 4.89, 4.89)
Medium parameters used: f = 1880 MHz; σ = 1.45 mho/m; ε_r = 38.2; ρ = 1000 kg/m^3
Measurement Standard: DASY4 (High Precision Assessment)
Program Notes: Battery - BST-33 Humidity: 39.9% Ambient Temp: 22.7 C Simulant Temp: 22.4 C
DASY4 Configuration:
- Probe: ET3DV6 - SN1538; ConvF(4.89, 4.89, 4.89); Calibrated: 5/23/2007
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn431; Calibrated: 5/29/2007
- Phantom: SAM with CRP (High Band Head); Type: SAM; Serial: TP: 1054
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

Unnamed procedure 2/Area Scan (51x81x1):
Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.170 mW/g
Unnamed procedure 2/Zoom Scan (7x7x7)/Cube 0:
Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 8.88 V/m; Power Drift = 0.042 dB
Peak SAR (extrapolated) = 0.208 W/kg
SAR(1 g) = 0.145 mW/g; SAR(10 g) = 0.089 mW/g
Maximum value of SAR (measured) = 0.160 mW/g
Unnamed procedure 2/Zoom Scan (31x31x36)/Cube 0:
Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 8.88 V/m; Power Drift = 0.042 dB
Maximum value of SAR (interpolated) = 0.208 mW/g

Prepared (also subject responsible if other)	No.	
SEM/CV/PF/P Gerard Hayes and Rodney Dixon	REP 2007 003 Z750i 02	
Approved / Checked		
SEM/CV/PF/P Gerard Hayes	D	



0 dB = 0.208mW/g

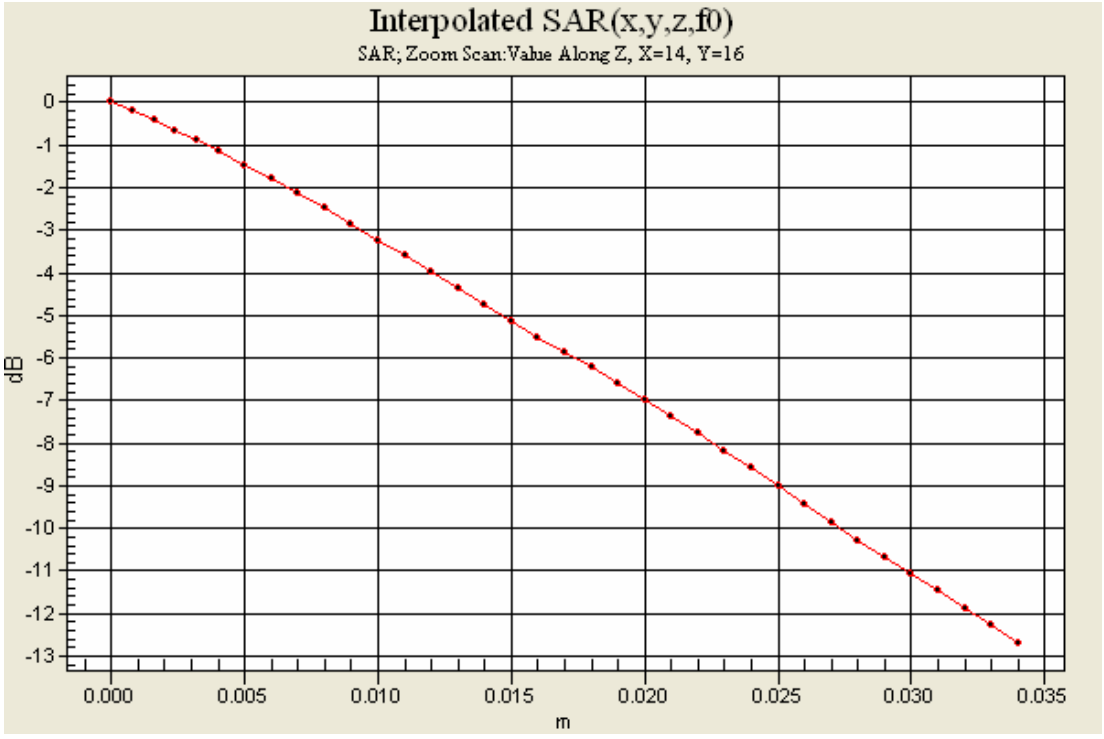
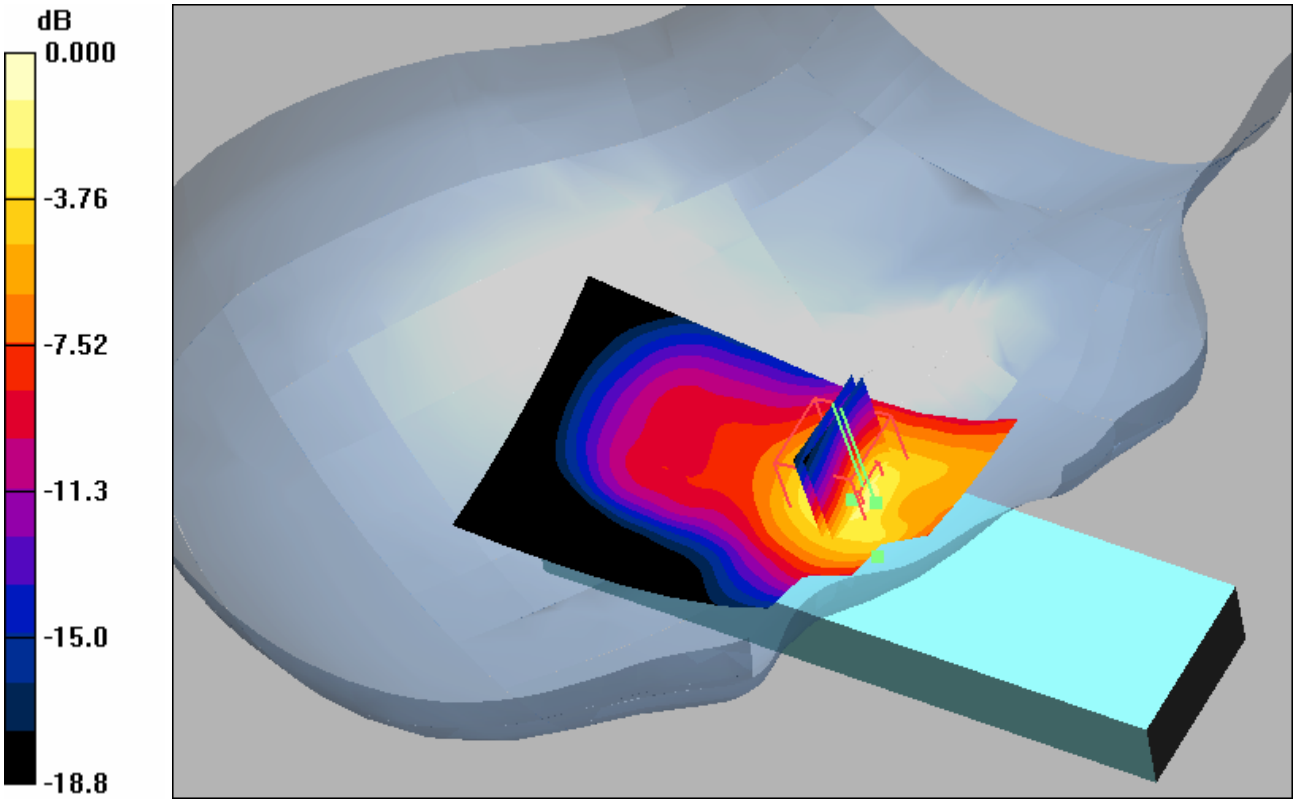


Exhibit 11

Prepared (also subject responsible if other)	No.	
SEM/CV/PF/P Gerard Hayes and Rodney Dixon	REP 2007 003 Z750i 02	
Approved / Checked		
SEM/CV/PF/P Gerard Hayes	D	

1900 GSM Band: Distribution and Extrapolation of Maximum SAR
Model: Z750i with Standard Battery: BST-33, Right Side, Cheek/Touch Position with Blue Tooth.
Date/Time: 8/2/2007 11:24:21 AM
File Name: 02Aug07_Z750_GSM1900_9CLS_BT_RC01.da4
DUT: Z750
Phantom: SAM with CRP (High Band Head)Phantom section: Right Section
Probe: ET3DV6 - SN1538ConvF(4.89, 4.89, 4.89)
Medium parameters used: f = 1910 MHz; σ = 1.47 mho/m; ε_r = 38.1; ρ = 1000 kg/m^3
Measurement Standard: DASY4 (High Precision Assessment)
Program Notes: Battery - BST33 Humidity - 46.9 % Ambient Temp - 20.8 C Simulant Tem - 21.4 C
DASY4 Configuration:
- Probe: ET3DV6 - SN1538; ConvF(4.89, 4.89, 4.89); Calibrated: 5/23/2007
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn431; Calibrated: 5/29/2007
- Phantom: SAM with CRP (High Band Head); Type: SAM; Serial: TP: 1054
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172
Unnamed procedure 3/Area Scan (51x81x1):
Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.565 mW/g
Unnamed procedure 3/Zoom Scan (7x7x7)/Cube 0:
Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 6.31 V/m; Power Drift = -0.045 dB
Peak SAR (extrapolated) = 0.852 W/kg
SAR(1 g) = 0.549 mW/g; SAR(10 g) = 0.306 mW/g
Maximum value of SAR (measured) = 0.622 mW/g
Unnamed procedure 3/Zoom Scan (31x31x36)/Cube 0:
Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 6.31 V/m; Power Drift = -0.045 dB
Maximum value of SAR (interpolated) = 0.852 mW/g

Prepared (also subject responsible if other)	No.	
SEM/CV/PF/P Gerard Hayes and Rodney Dixon	REP 2007 003 Z750i 02	
Approved / Checked		
SEM/CV/PF/P Gerard Hayes	D	



0 dB = 0.852mW/g

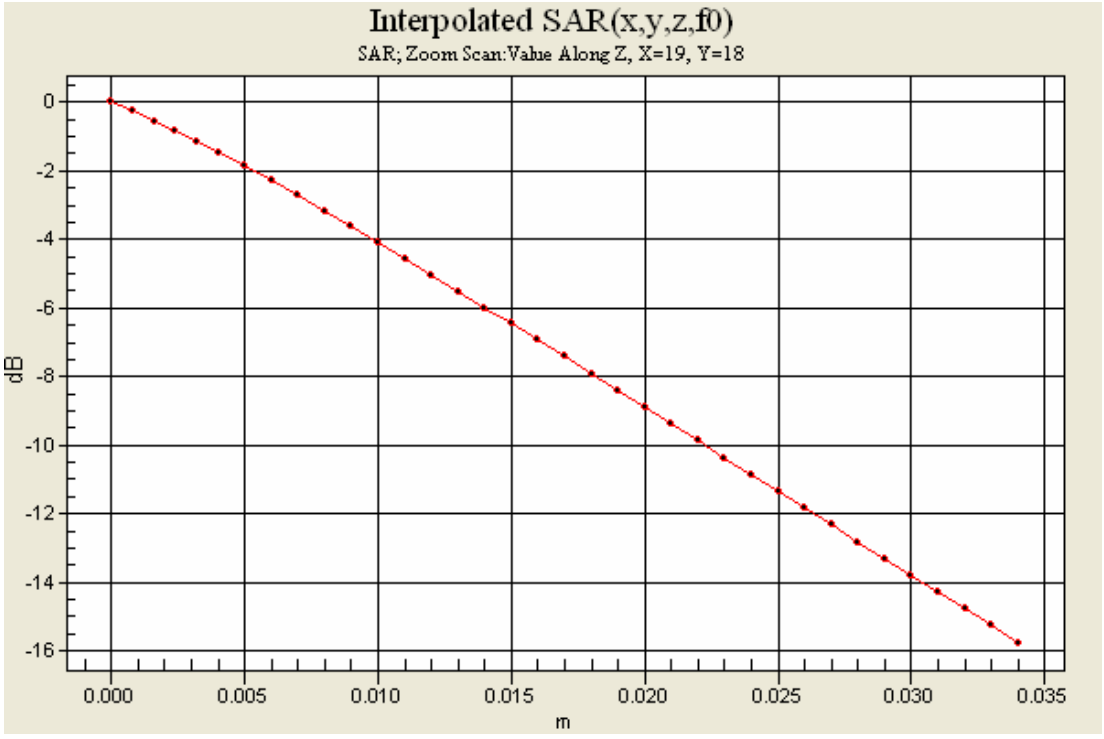


Exhibit 11

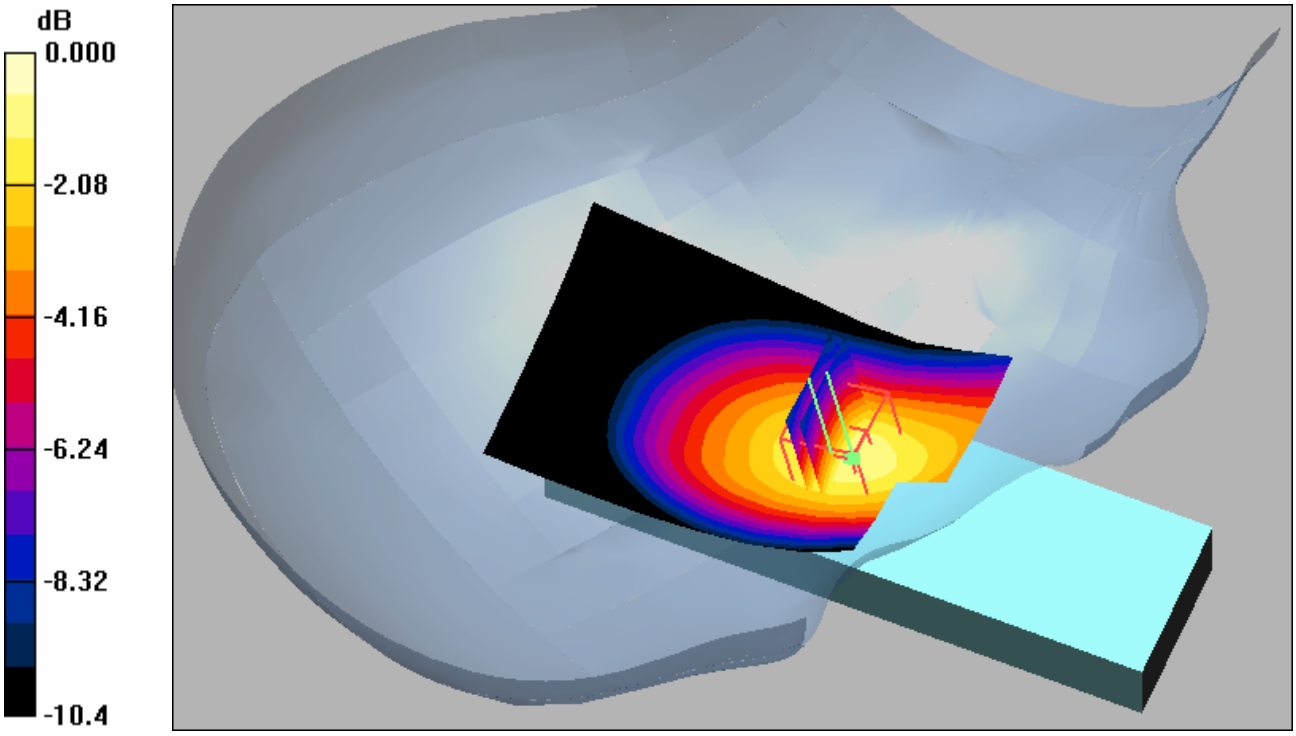
Prepared (also subject responsible if other)	No.	
SEM/CV/PF/P Gerard Hayes and Rodney Dixon	REP 2007 003 Z750i 02	
Approved / Checked		
SEM/CV/PF/P Gerard Hayes	D	

Band V UMTS: SAR Distribution and Extrapolation of Maximum SAR
Model: Z750i with Standard Battery: BST-33, Right Side, Cheek/Touch Position.

Date/Time: 8/8/2007 11:50:48 AM
File Name: 08Aug07_Z750_B5WCDMA_9CLJ_RC01.da4
DUT: Z750
Phantom: SAM with CRP (Low Band Head)Phantom section: Right Section
Probe: ET3DV6 - SN1586ConvF(6.63, 6.63, 6.63)
Medium parameters used (interpolated): f = 846.4 MHz; σ = 0.917 mho/m; ε_r = 40.6; ρ = 1000 kg/m^3
Measurement Standard: DASY4 (High Precision Assessment)
Program Notes: Battery BST-33 Hudmity: 55.3% Ambient Temp: 20.8 C Simulant Temp: 21.2 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 Sn369; Calibrated: 5/29/2007
- Phantom: SAM with CRP (Low Band Head); Type: SAM; Serial: 1251
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

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) = 1.45 mW/g
Unnamed procedure 3/Zoom Scan (7x7x7)/Cube 0:
Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 12.6 V/m; Power Drift = 0.023 dB
Peak SAR (extrapolated) = 1.76 W/kg
SAR(1 g) = 1.34 mW/g; SAR(10 g) = 0.957 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.41 mW/g
Unnamed procedure 3/Zoom Scan (31x31x36)/Cube 0:
Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 12.6 V/m; Power Drift = 0.023 dB
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 1.76 mW/g

Prepared (also subject responsible if other)	No.	
SEM/CV/PF/P Gerard Hayes and Rodney Dixon	REP 2007 003 Z750i 02	
Approved / Checked		
SEM/CV/PF/P Gerard Hayes	D	



0 dB = 1.76mW/g

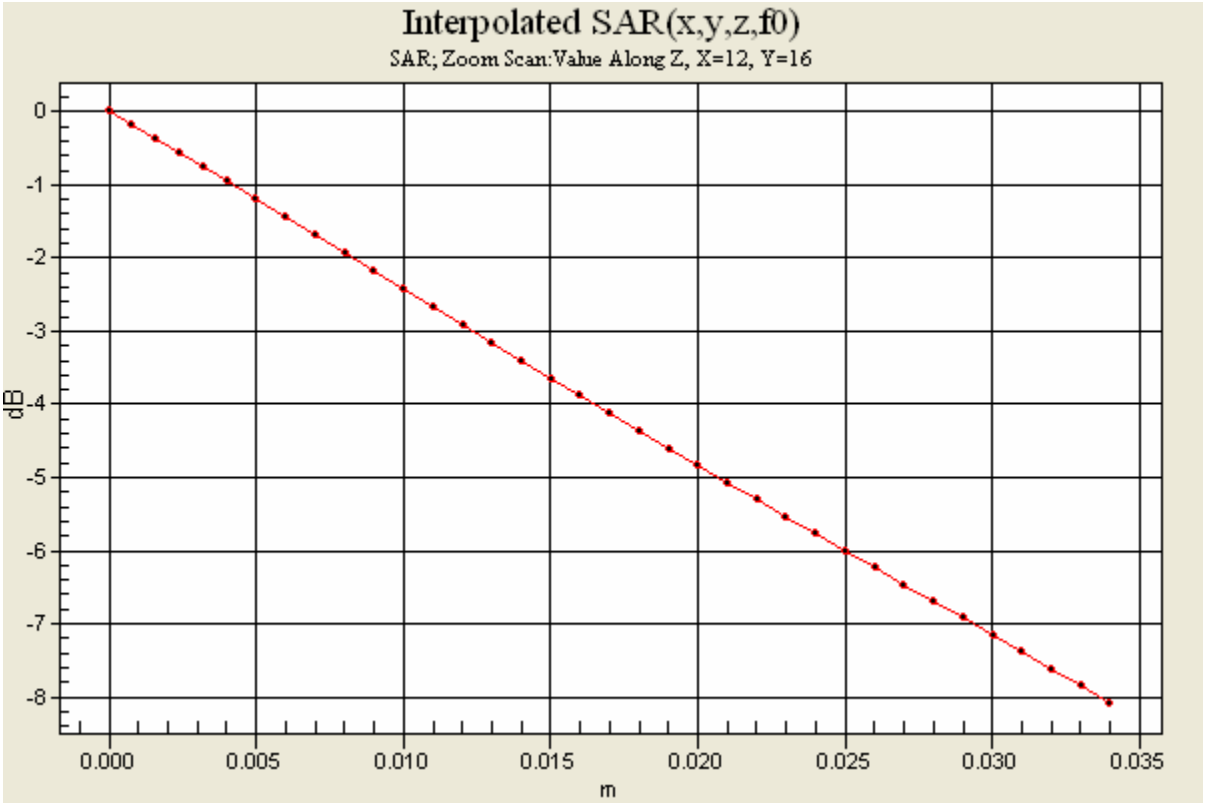


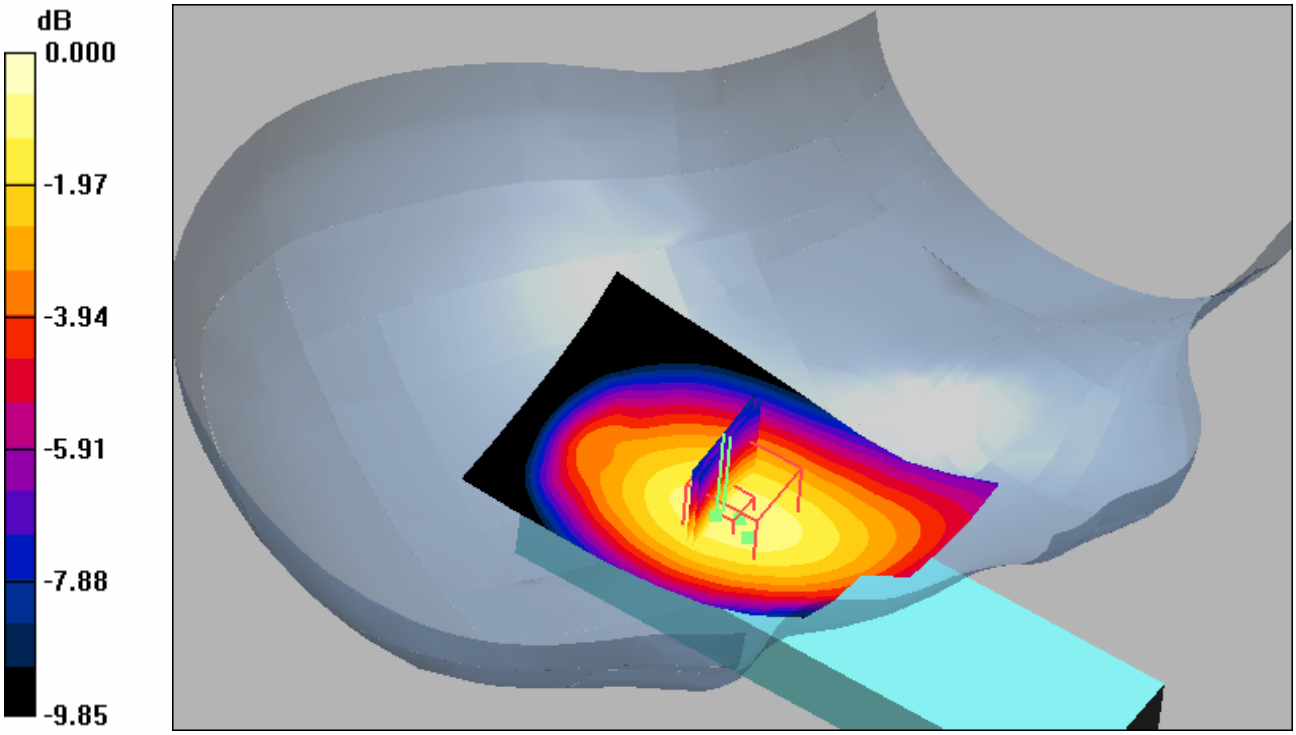
Exhibit 11

Band V UMTS: Distribution and Extrapolation of Maximum SAR
Model: Z750i with Standard Battery: BST-33, Right Side, Tilt Position.

Date/Time: 8/8/2007 1:31:30 PM
File Name: 08Aug07_Z750_B5WCDMA_9CLJ_RT01.da4
DUT: Z750
Phantom: SAM with CRP (Low Band Head)Phantom section: Right Section
Probe: ET3DV6 - SN1586ConvF(6.63, 6.63, 6.63)
Medium parameters used (interpolated): f = 846.4 MHz; σ = 0.917 mho/m; ε_r = 40.6; ρ = 1000 kg/m^3
Measurement Standard: DASY4 (High Precision Assessment)
Program Notes: Battery BST-33 Hudmity: 53.5% Ambient Temp: 21.7 C Simulant Temp: 21.3 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 Sn369; Calibrated: 5/29/2007
- Phantom: SAM with CRP (Low Band Head); Type: SAM; Serial: 1251
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

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) = 0.537 mW/g
Unnamed procedure 3/Zoom Scan (7x7x7)/Cube 0:
Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 17.0 V/m; Power Drift = -0.025 dB
Peak SAR (extrapolated) = 0.655 W/kg
SAR(1 g) = 0.515 mW/g; SAR(10 g) = 0.384 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.550 mW/g
Unnamed procedure 3/Zoom Scan (31x31x36)/Cube 0:
Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 17.0 V/m; Power Drift = -0.025 dB
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.655 mW/g

Prepared (also subject responsible if other)	No.	
SEM/CV/PF/P Gerard Hayes and Rodney Dixon	REP 2007 003 Z750i 02	
Approved / Checked		
SEM/CV/PF/P Gerard Hayes	D	



0 dB = 0.655mW/g

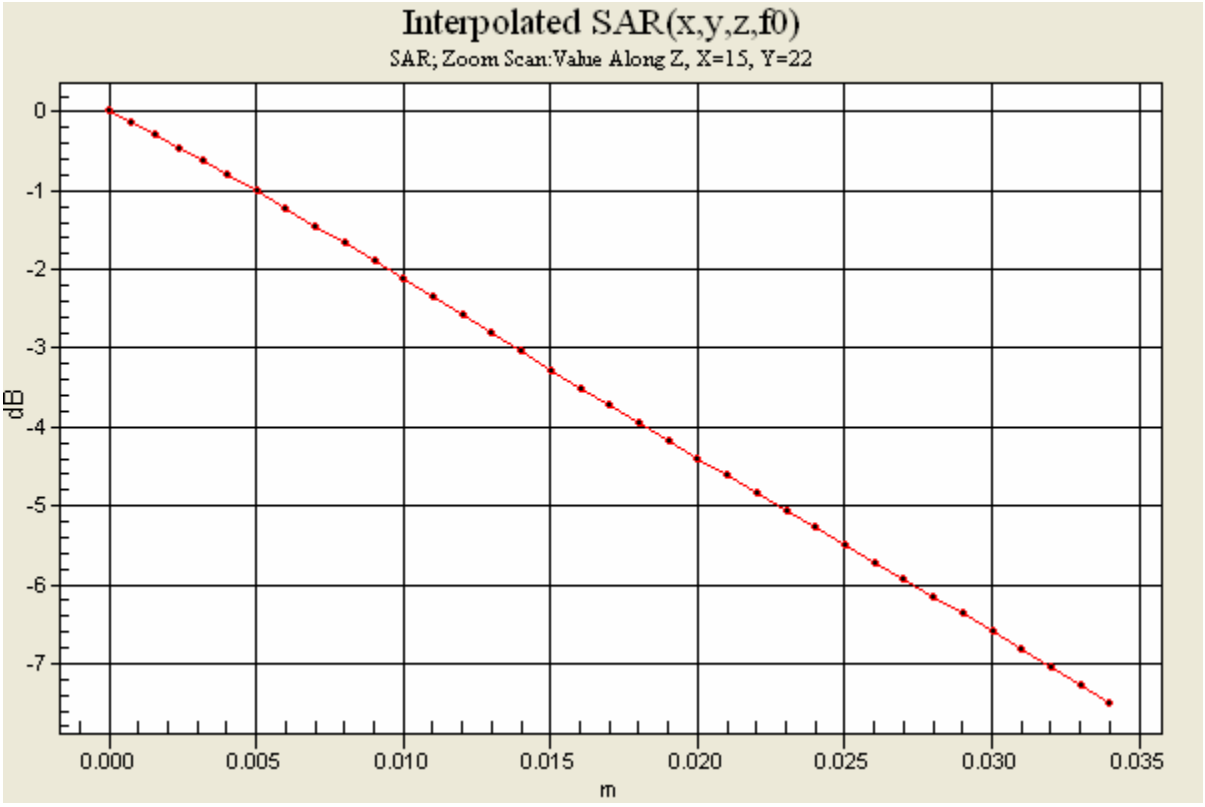


Exhibit 11

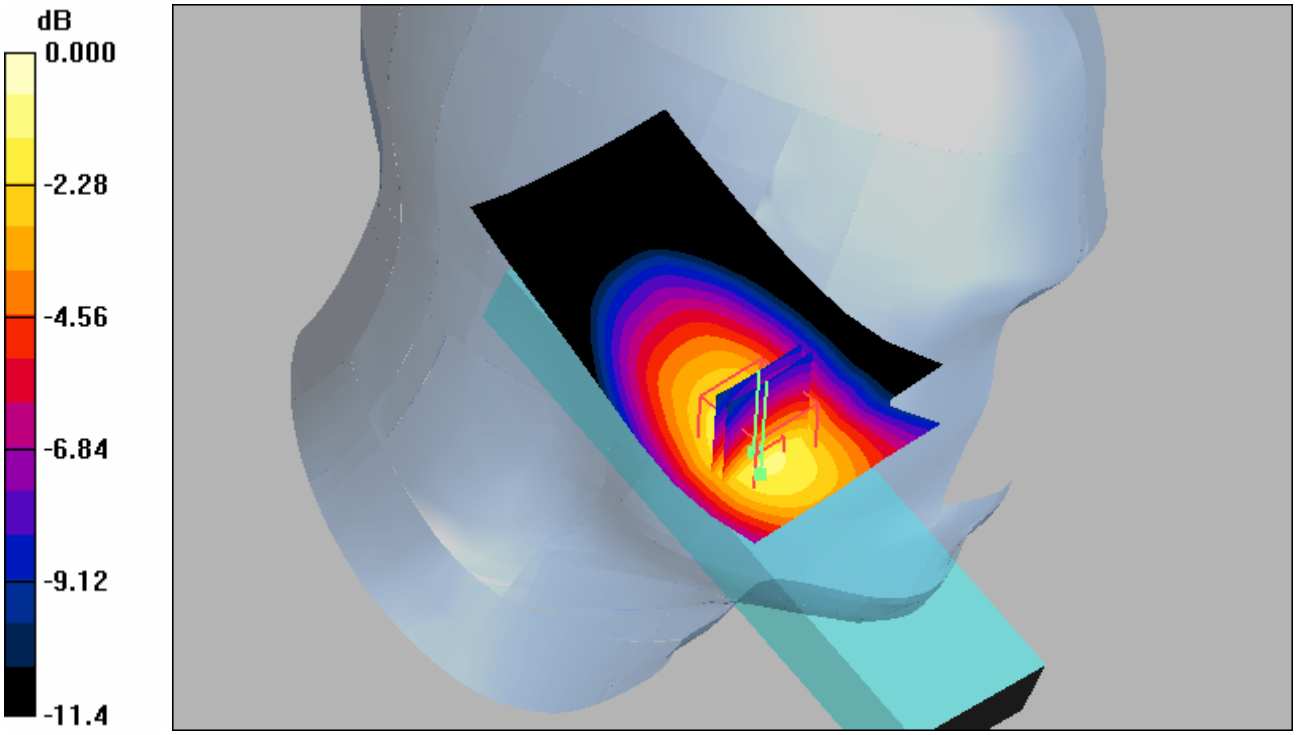
Prepared (also subject responsible if other)	No.	
SEM/CV/PF/P Gerard Hayes and Rodney Dixon	REP 2007 003 Z750i 02	
Approved / Checked		
SEM/CV/PF/P Gerard Hayes	D	

Band V UMTS: Distribution and Extrapolation of Maximum SAR
Model: Z750i with Standard Battery: BST-33, Left Side, Cheek/Touch Position.

Date/Time: 8/8/2007 8:56:28 AM
File Name: 08Aug07_Z750_B5WCDMA_9CLJ_LC01.da4
DUT: Z750
Phantom: SAM with CRP (Low Band Head)Phantom section: Left Section
Probe: ET3DV6 - SN1586ConvF(6.63, 6.63, 6.63)
Medium parameters used (interpolated): f = 846.4 MHz; σ = 0.917 mho/m; ε_r = 40.6; ρ = 1000 kg/m^3
Measurement Standard: DASY4 (High Precision Assessment)
Program Notes: Battery BST-33 Hudmity: 45.9% Ambient Temp: 21.3 Simulant Temp: 21.5
DASY4 Configuration:
- Probe: ET3DV6 - SN1586; ConvF(6.63, 6.63, 6.63); Calibrated: 5/23/2007
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn369; Calibrated: 5/29/2007
- Phantom: SAM with CRP (Low Band Head); Type: SAM; Serial: 1251
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

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) = 1.29 mW/g
Unnamed procedure 3/Zoom Scan (7x7x7)/Cube 0:
Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 8.80 V/m; Power Drift = -0.150 dB
Peak SAR (extrapolated) = 1.72 W/kg
SAR(1 g) = 1.24 mW/g; SAR(10 g) = 0.863 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.31 mW/g
Unnamed procedure 3/Zoom Scan (31x31x36)/Cube 0:
Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 8.80 V/m; Power Drift = -0.150 dB
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 1.72 mW/g

Prepared (also subject responsible if other)	No.	
SEM/CV/PF/P Gerard Hayes and Rodney Dixon	REP 2007 003 Z750i 02	
Approved / Checked		
SEM/CV/PF/P Gerard Hayes	D	



0 dB = 1.72mW/g

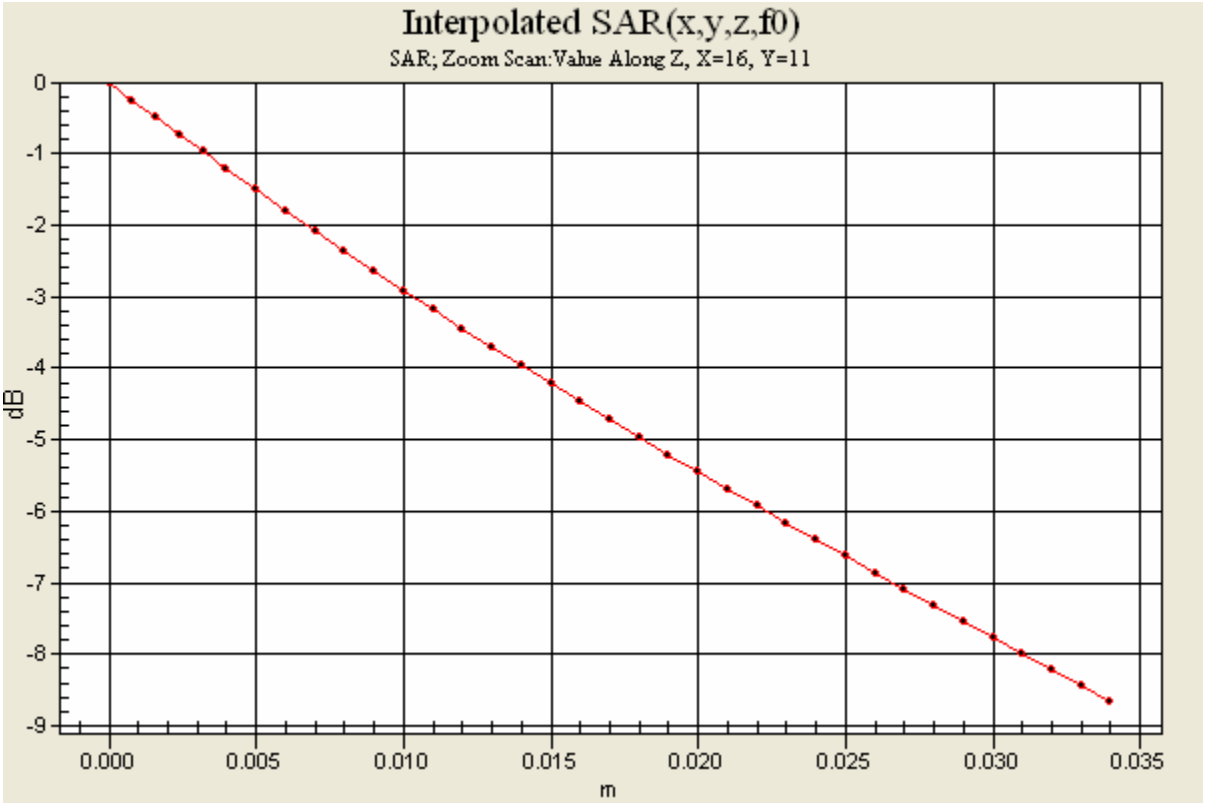


Exhibit 11

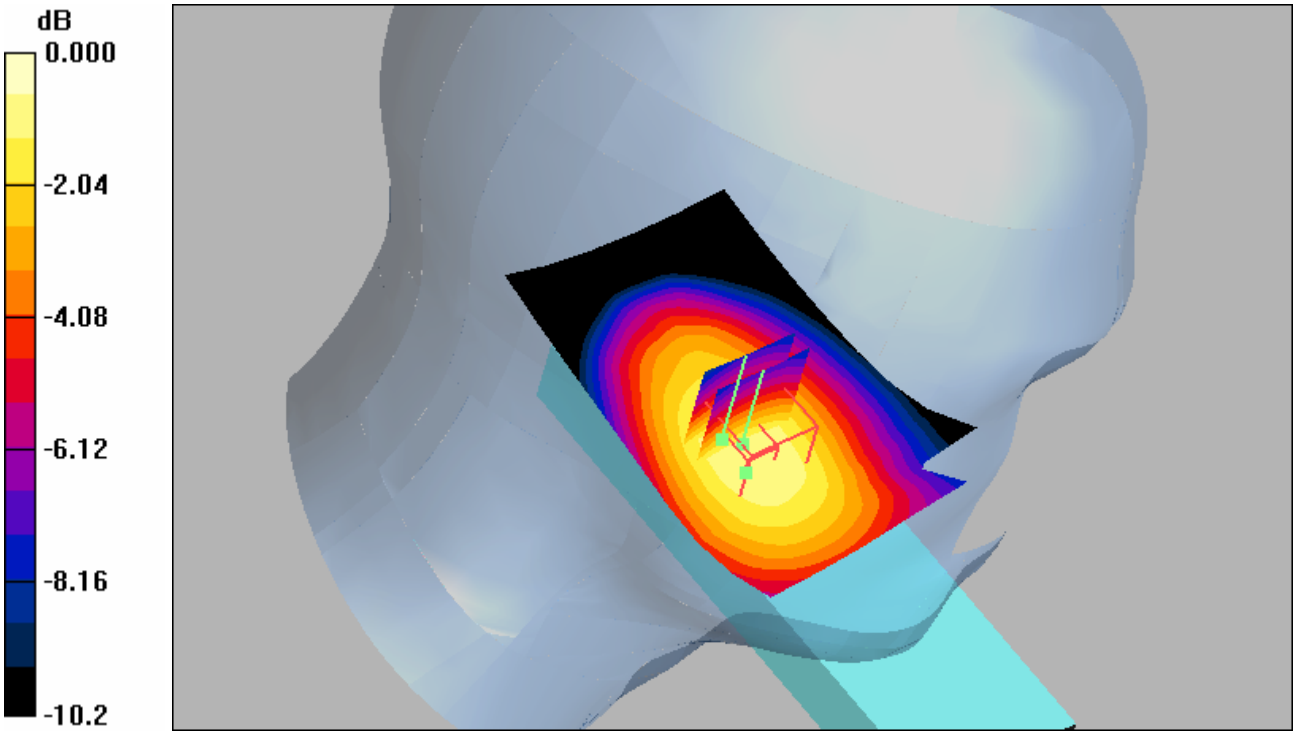
Prepared (also subject responsible if other)	No.	
SEM/CV/PF/P Gerard Hayes and Rodney Dixon	REP 2007 003 Z750i 02	
Approved / Checked		
SEM/CV/PF/P Gerard Hayes	D	

Band V UMTS: Distribution and Extrapolation of Maximum SAR
Model: Z750i with Standard Battery: BST-33, Left Side, Tilt Position.

Date/Time: 8/8/2007 10:07:19 AM
File Name: 08Aug07_Z750_B5WCDMA_9CLJ_LT01.da4
DUT: Z750
Phantom: SAM with CRP (Low Band Head)Phantom section: Left Section
Probe: ET3DV6 - SN1586ConvF(6.63, 6.63, 6.63)
Medium parameters used (interpolated): f = 846.4 MHz; σ = 0.917 mho/m; ε_r = 40.6; ρ = 1000 kg/m^3
Measurement Standard: DASY4 (High Precision Assessment)
Program Notes: Battery BST-33 Hudmity: 48.7% Ambient Temp: 21 C Simulant Temp: 21.3 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 Sn369; Calibrated: 5/29/2007
- Phantom: SAM with CRP (Low Band Head); Type: SAM; Serial: 1251
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

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) = 0.508 mW/g
Unnamed procedure 3/Zoom Scan (7x7x7)/Cube 0:
Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 13.8 V/m; Power Drift = 0.033 dB
Peak SAR (extrapolated) = 0.599 W/kg
SAR(1 g) = 0.476 mW/g; SAR(10 g) = 0.357 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.500 mW/g
Unnamed procedure 3/Zoom Scan (31x31x36)/Cube 0:
Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 13.8 V/m; Power Drift = 0.033 dB
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.599 mW/g

Prepared (also subject responsible if other)	No.	
SEM/CV/PF/P Gerard Hayes and Rodney Dixon	REP 2007 003 Z750i 02	
Approved / Checked		
SEM/CV/PF/P Gerard Hayes	D	



0 dB = 0.599mW/g

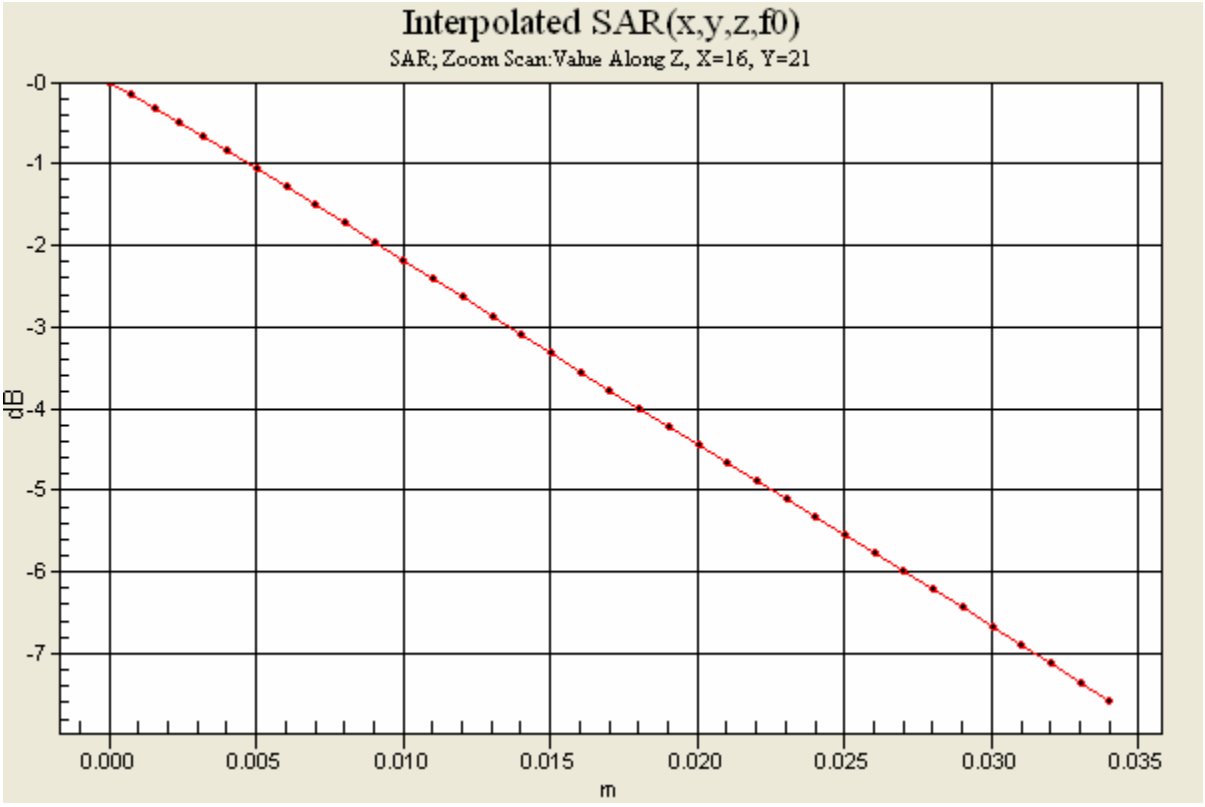


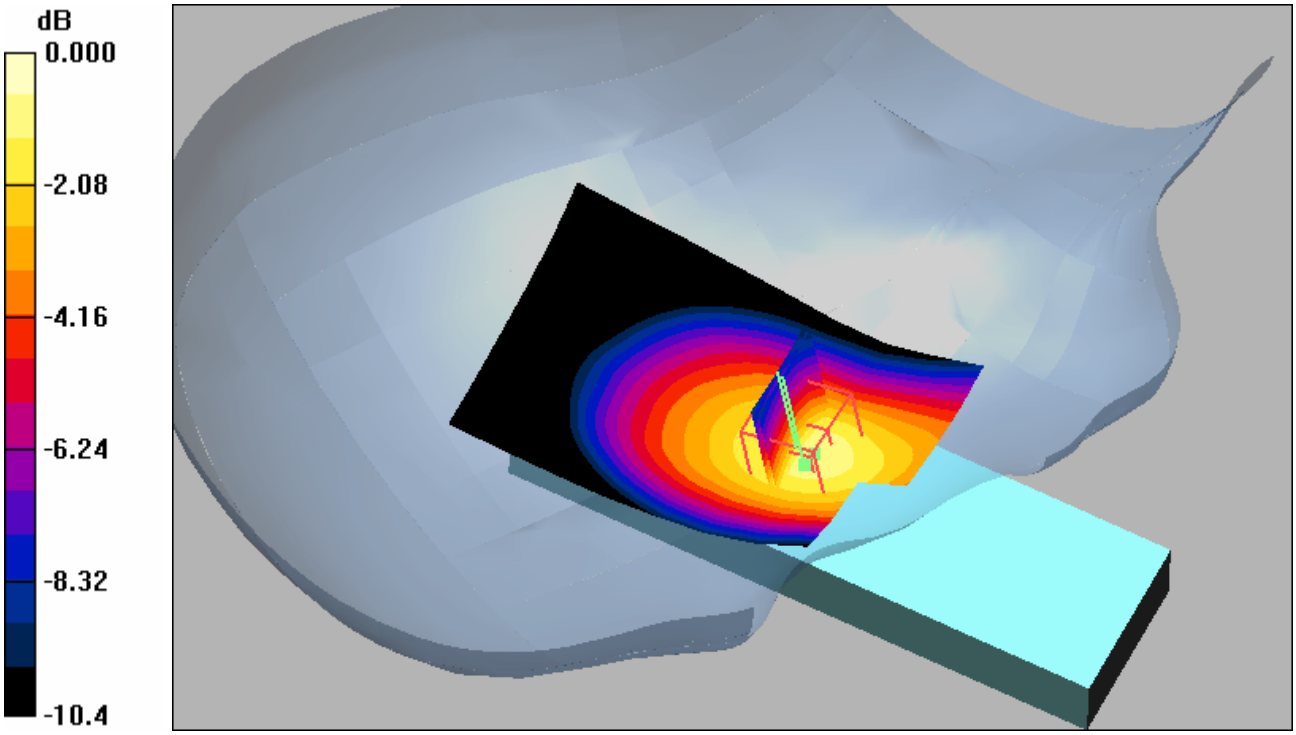
Exhibit 11

Prepared (also subject responsible if other)	No.	
SEM/CV/PF/P Gerard Hayes and Rodney Dixon	REP 2007 003 Z750i 02	
Approved / Checked		
SEM/CV/PF/P Gerard Hayes	D	

Band V UMTS: Distribution and Extrapolation of Maximum SAR
Model: Z750i with Standard Battery: BST-33, Right Side, Cheek/Touch Position with Blue Tooth.
Date/Time: 8/8/2007 2:32:23 PM
File Name: 08Aug07_Z750_B5WCDMA_9CLJ_BT_RC01.da4
DUT: Z750
Phantom: SAM with CRP (Low Band Head)Phantom section: Right Section
Probe: ET3DV6 - SN1586ConvF(6.63, 6.63, 6.63)
Medium parameters used (interpolated): f = 846.4 MHz; σ = 0.917 mho/m; ε_r = 40.6; ρ = 1000 kg/m^3
Measurement Standard: DASY4 (High Precision Assessment)
Program Notes: Battery BST-33 Hudmity: 53.5% Ambient Temp: 21.7 C Simulant Temp: 21.3 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 Sn369; Calibrated: 5/29/2007
- Phantom: SAM with CRP (Low Band Head); Type: SAM; Serial: 1251
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

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) = 1.38 mW/g
Unnamed procedure 3/Zoom Scan (7x7x7)/Cube 0:
Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 13.5 V/m; Power Drift = 0.014 dB
Peak SAR (extrapolated) = 1.70 W/kg
SAR(1 g) = 1.29 mW/g; SAR(10 g) = 0.919 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.37 mW/g
Unnamed procedure 3/Zoom Scan (31x31x36)/Cube 0:
Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 13.5 V/m; Power Drift = 0.014 dB
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 1.70 mW/g

Prepared (also subject responsible if other)	No.	
SEM/CV/PF/P Gerard Hayes and Rodney Dixon	REP 2007 003 Z750i 02	
Approved / Checked		
SEM/CV/PF/P Gerard Hayes	D	



0 dB = 1.70mW/g

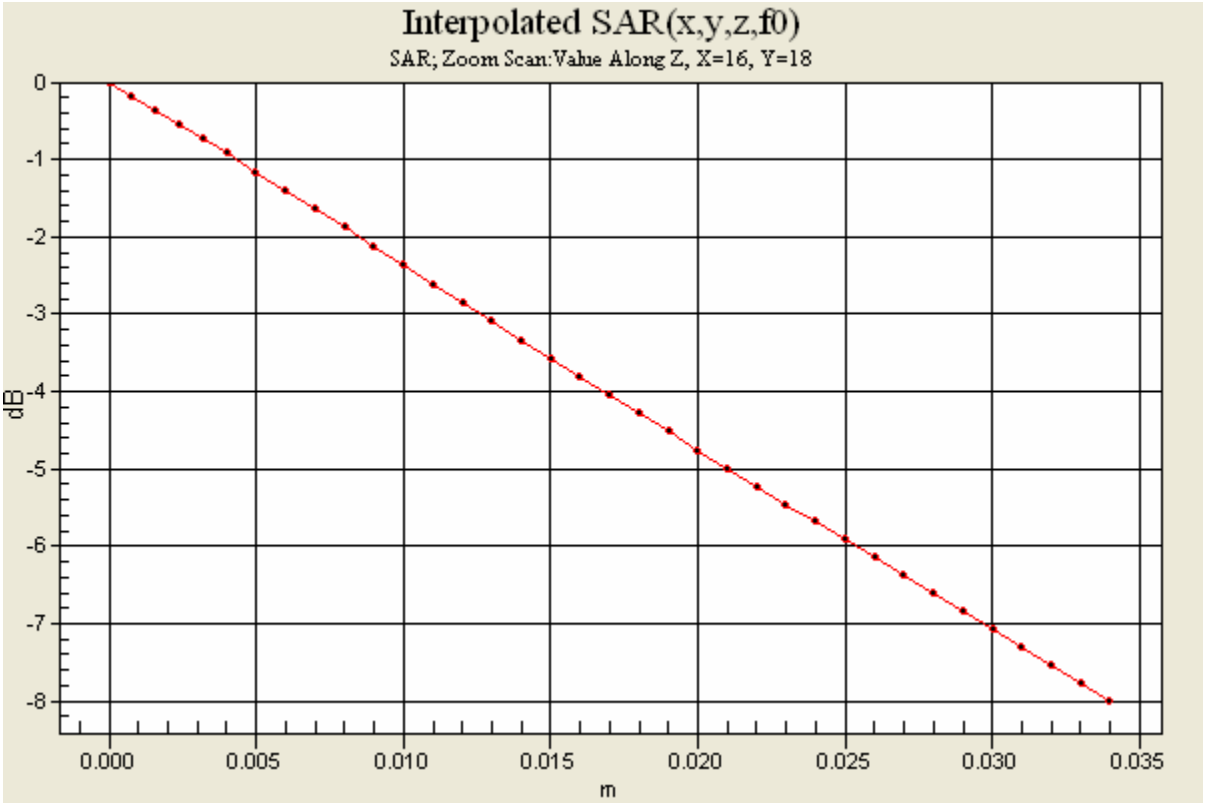


Exhibit 11

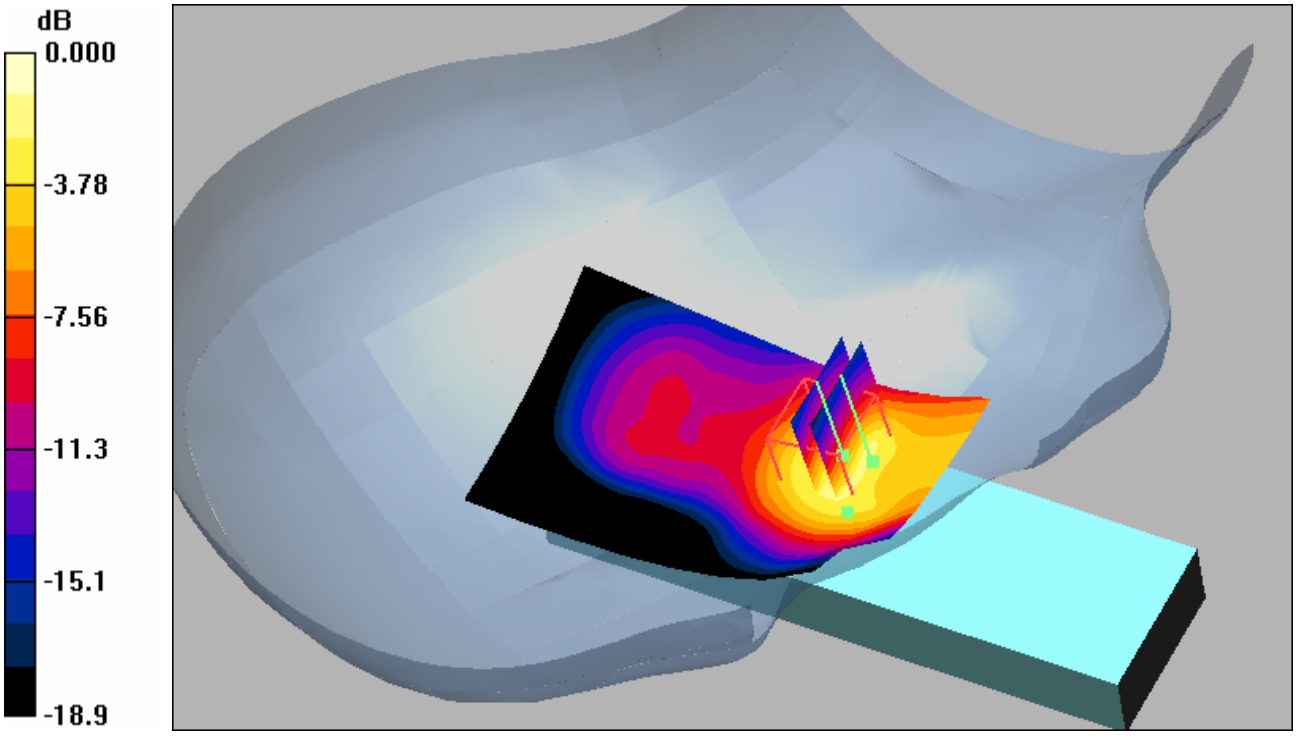
Prepared (also subject responsible if other)	No.	
SEM/CV/PF/P Gerard Hayes and Rodney Dixon	REP 2007 003 Z750i 02	
Approved / Checked		
SEM/CV/PF/P Gerard Hayes	D	

Band II UMTS: Distribution and Extrapolation of Maximum SAR
Model: Z750i with Standard Battery: BST-33, Right Side, Cheek/Touch Position.

Date/Time: 8/9/2007 8:32:55 AM
File Name: 09Aug07_Z750_B2WCDMA_9CLG_RC01.da4
DUT: Z750
Phantom: SAM with CRP (High Band Head)Phantom section: Right Section
Probe: ET3DV6 - SN1586ConvF(5.17, 5.17, 5.17)
Medium parameters used (interpolated): f = 1907.4 MHz; σ = 1.47 mho/m; ε_r = 38.2; ρ = 1000 kg/m^3
Measurement Standard: DASY4 (High Precision Assessment)
Program Notes: Battery - BST33 Humidity - 45.6 % Ambient Temp - 21.3 C Simulant Temp - 21.4 C
DASY4 Configuration:
- Probe: ET3DV6 - SN1586; ConvF(5.17, 5.17, 5.17); Calibrated: 5/23/2007
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn369; Calibrated: 5/29/2007
- Phantom: SAM with CRP (High Band Head); Type: SAM; Serial: TP: 1335
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

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) = 1.19 mW/g
Unnamed procedure 3/Zoom Scan (7x7x7)/Cube 0:
Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 9.52 V/m; Power Drift = -0.060 dB
Peak SAR (extrapolated) = 1.79 W/kg
SAR(1 g) = 1.19 mW/g; SAR(10 g) = 0.674 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.36 mW/g
Unnamed procedure 3/Zoom Scan (31x31x36)/Cube 0:
Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 9.52 V/m; Power Drift = -0.060 dB
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 1.79 mW/g

Prepared (also subject responsible if other)	No.	
SEM/CV/PF/P Gerard Hayes and Rodney Dixon	REP 2007 003 Z750i 02	
Approved / Checked		
SEM/CV/PF/P Gerard Hayes	D	



0 dB = 1.79mW/g

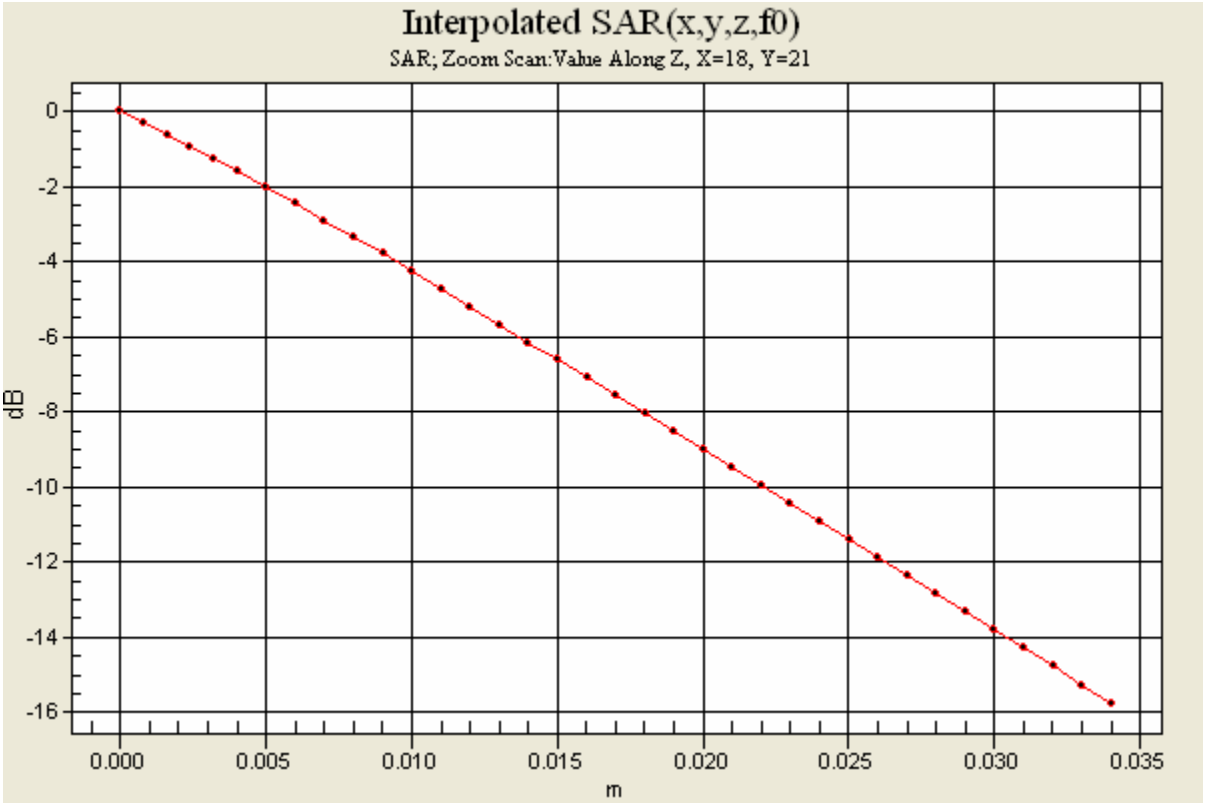


Exhibit 11

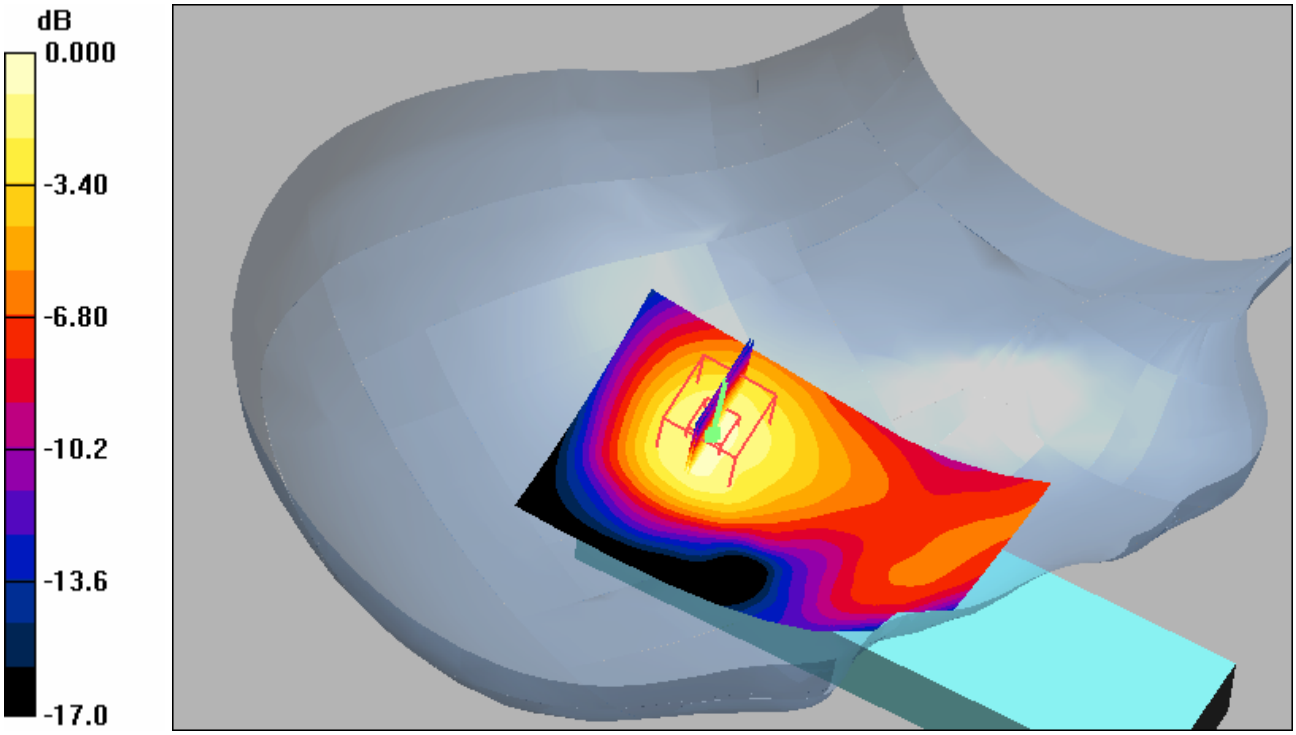
Prepared (also subject responsible if other)	No.	
SEM/CV/PF/P Gerard Hayes and Rodney Dixon	REP 2007 003 Z750i 02	
Approved / Checked		
SEM/CV/PF/P Gerard Hayes	D	

Band II UMTS: Distribution and Extrapolation of Maximum SAR
Model: Z750i with Standard Battery: BST-33, Right Side, Tilt Position.

Date/Time: 8/9/2007 8:53:30 AM
File Name: 09Aug07_Z750_B2WCDMA_9CLG_RT01.da4
DUT: Z750
Phantom: SAM with CRP (High Band Head)Phantom section: Right Section
Probe: ET3DV6 - SN1586ConvF(5.17, 5.17, 5.17)
Medium parameters used (interpolated): f = 1907.4 MHz; σ = 1.47 mho/m; ε_r = 38.2; ρ = 1000 kg/m^3
Measurement Standard: DASY4 (High Precision Assessment)
Program Notes: Battery - BST33 Humidity - 50.8 % Ambient Temp - 21 C Simulant Temp - 21.4 C
DASY4 Configuration:
- Probe: ET3DV6 - SN1586; ConvF(5.17, 5.17, 5.17); Calibrated: 5/23/2007
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn369; Calibrated: 5/29/2007
- Phantom: SAM with CRP (High Band Head); Type: SAM; Serial: TP: 1335
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

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) = 0.273 mW/g
Unnamed procedure 3/Zoom Scan (7x7x7)/Cube 0:
Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 11.4 V/m; Power Drift = -0.004 dB
Peak SAR (extrapolated) = 0.324 W/kg
SAR(1 g) = 0.234 mW/g; SAR(10 g) = 0.148 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.255 mW/g
Unnamed procedure 3/Zoom Scan (31x31x36)/Cube 0:
Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 11.4 V/m; Power Drift = -0.004 dB
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.324 mW/g

Prepared (also subject responsible if other)	No.	
SEM/CV/PF/P Gerard Hayes and Rodney Dixon	REP 2007 003 Z750i 02	
Approved / Checked		
SEM/CV/PF/P Gerard Hayes	D	



0 dB = 0.324mW/g

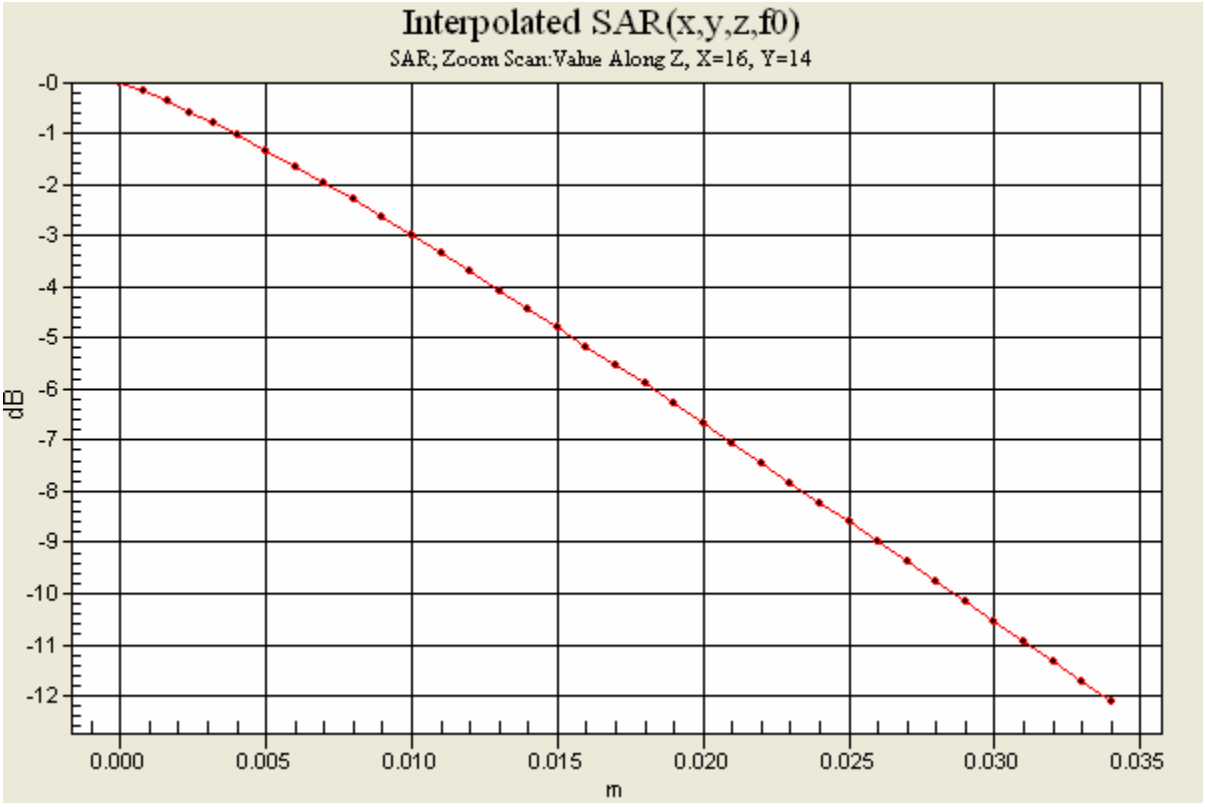


Exhibit 11

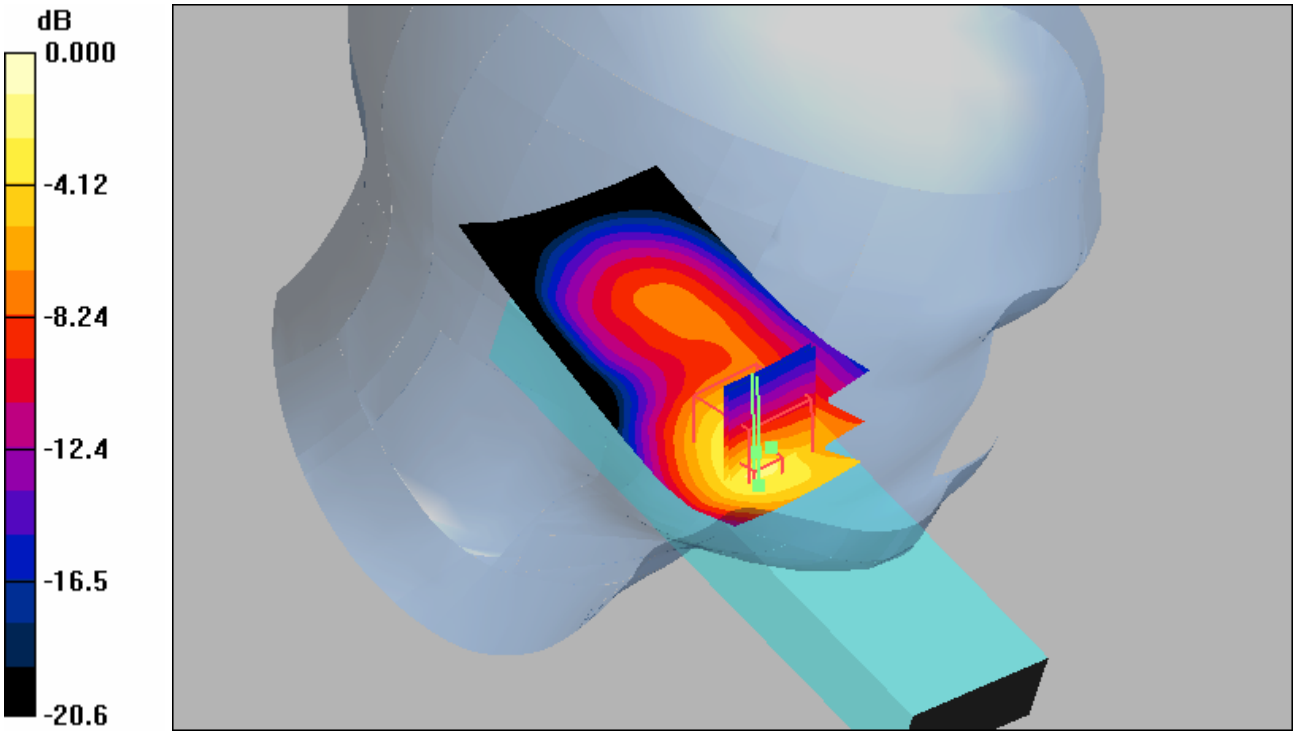
Prepared (also subject responsible if other)	No.	
SEM/CV/PF/P Gerard Hayes and Rodney Dixon	REP 2007 003 Z750i 02	
Approved / Checked		
SEM/CV/PF/P Gerard Hayes	D	

Band II UMTS: Distribution and Extrapolation of Maximum SAR
Model: Z750i with Standard Battery: BST-33, Left Side, Cheek/Touch Position.

Date/Time: 8/9/2007 11:15:50 AM
File Name: 09Aug07_Z750_B2WCDMA_9CLG_LC01.da4
DUT: Z750
Phantom: SAM with CRP (High Band Head)Phantom section: Left Section
Probe: ET3DV6 - SN1586ConvF(5.17, 5.17, 5.17)
Medium parameters used (interpolated): f = 1907.4 MHz; σ = 1.47 mho/m; ε_r = 38.2; ρ = 1000 kg/m^3
Measurement Standard: DASY4 (High Precision Assessment)
Program Notes: Battery - BST33 Humidity - 47.5 % Ambient Temp - 21.4 C Simulant Temp - 21.4 C
DASY4 Configuration:
- Probe: ET3DV6 - SN1586; ConvF(5.17, 5.17, 5.17); Calibrated: 5/23/2007
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn369; Calibrated: 5/29/2007
- Phantom: SAM with CRP (High Band Head); Type: SAM; Serial: TP: 1335
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

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) = 0.902 mW/g
Unnamed procedure 3/Zoom Scan (7x7x7)/Cube 0:
Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 9.27 V/m; Power Drift = -0.094 dB
Peak SAR (extrapolated) = 1.52 W/kg
SAR(1 g) = 0.843 mW/g; SAR(10 g) = 0.471 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.961 mW/g
Unnamed procedure 3/Zoom Scan (31x31x36)/Cube 0:
Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 9.27 V/m; Power Drift = -0.094 dB
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 1.52 mW/g

Prepared (also subject responsible if other)	No.	
SEM/CV/PF/P Gerard Hayes and Rodney Dixon	REP 2007 003 Z750i 02	
Approved / Checked		
SEM/CV/PF/P Gerard Hayes	D	



0 dB = 1.52mW/g

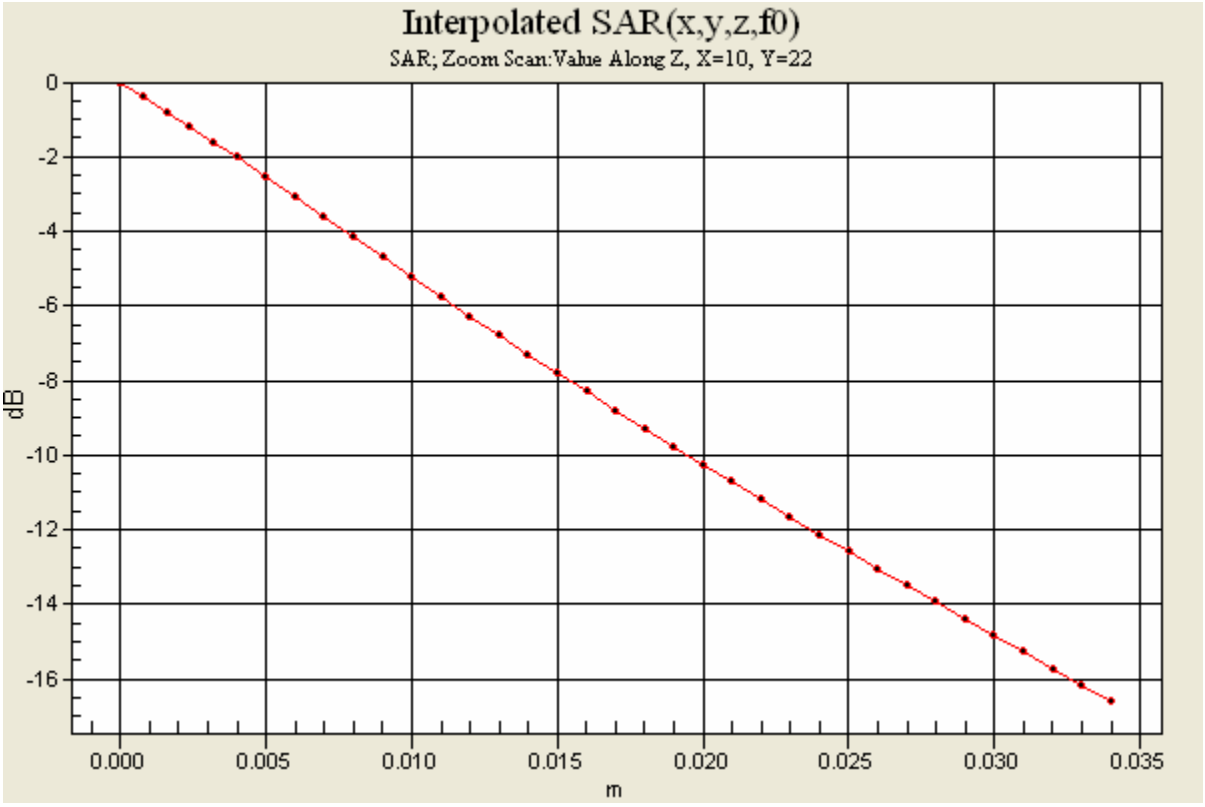


Exhibit 11

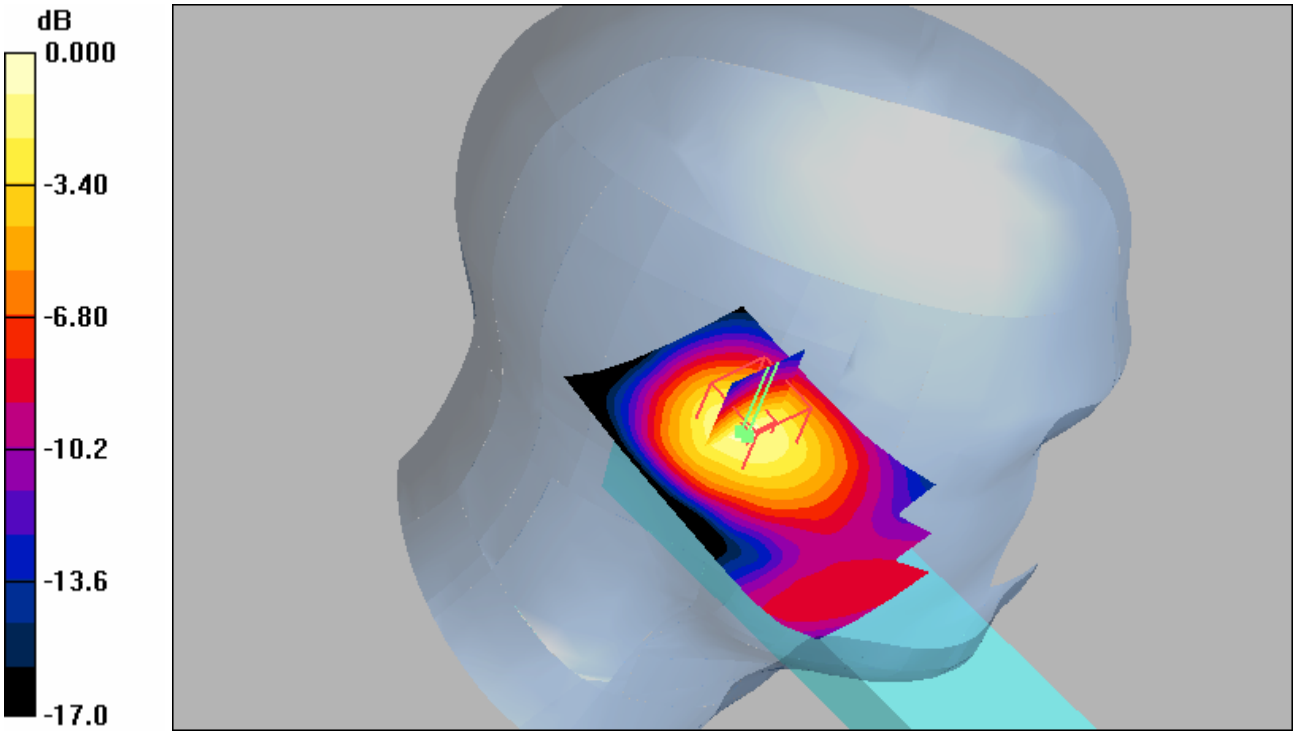
Prepared (also subject responsible if other)	No.	
SEM/CV/PF/P Gerard Hayes and Rodney Dixon	REP 2007 003 Z750i 02	
Approved / Checked		
SEM/CV/PF/P Gerard Hayes	D	

Band II UMTS: Distribution and Extrapolation of Maximum SAR
Model: Z750i with Standard Battery: BST-33, Left Side, Tilt Position.

Date/Time: 8/9/2007 11:37:09 AM
File Name: 09Aug07_Z750_B2WCDMA_9CLG_LT01.da4
DUT: Z750
Phantom: SAM with CRP (High Band Head)Phantom section: Left Section
Probe: ET3DV6 - SN1586ConvF(5.17, 5.17, 5.17)
Medium parameters used: f = 1880 MHz; σ = 1.44 mho/m; ε_r = 38.3; ρ = 1000 kg/m^3
Measurement Standard: DASY4 (High Precision Assessment)
Program Notes: Battery - BST33 Humidity - 51.1 % Ambient Temp - 21.7 C Simulant Temp - 21.4 C
DASY4 Configuration:
- Probe: ET3DV6 - SN1586; ConvF(5.17, 5.17, 5.17); Calibrated: 5/23/2007
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn369; Calibrated: 5/29/2007
- Phantom: SAM with CRP (High Band Head); Type: SAM; Serial: TP: 1335
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

Unnamed procedure 2/Area Scan (51x81x1):
Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.265 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 = -0.057 dB
Peak SAR (extrapolated) = 0.322 W/kg
SAR(1 g) = 0.228 mW/g; SAR(10 g) = 0.141 mW/g
Maximum value of SAR (measured) = 0.247 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 = -0.057 dB
Maximum value of SAR (interpolated) = 0.322 mW/g

Prepared (also subject responsible if other)	No.	
SEM/CV/PF/P Gerard Hayes and Rodney Dixon	REP 2007 003 Z750i 02	
Approved / Checked		
SEM/CV/PF/P Gerard Hayes	D	



0 dB = 0.322mW/g

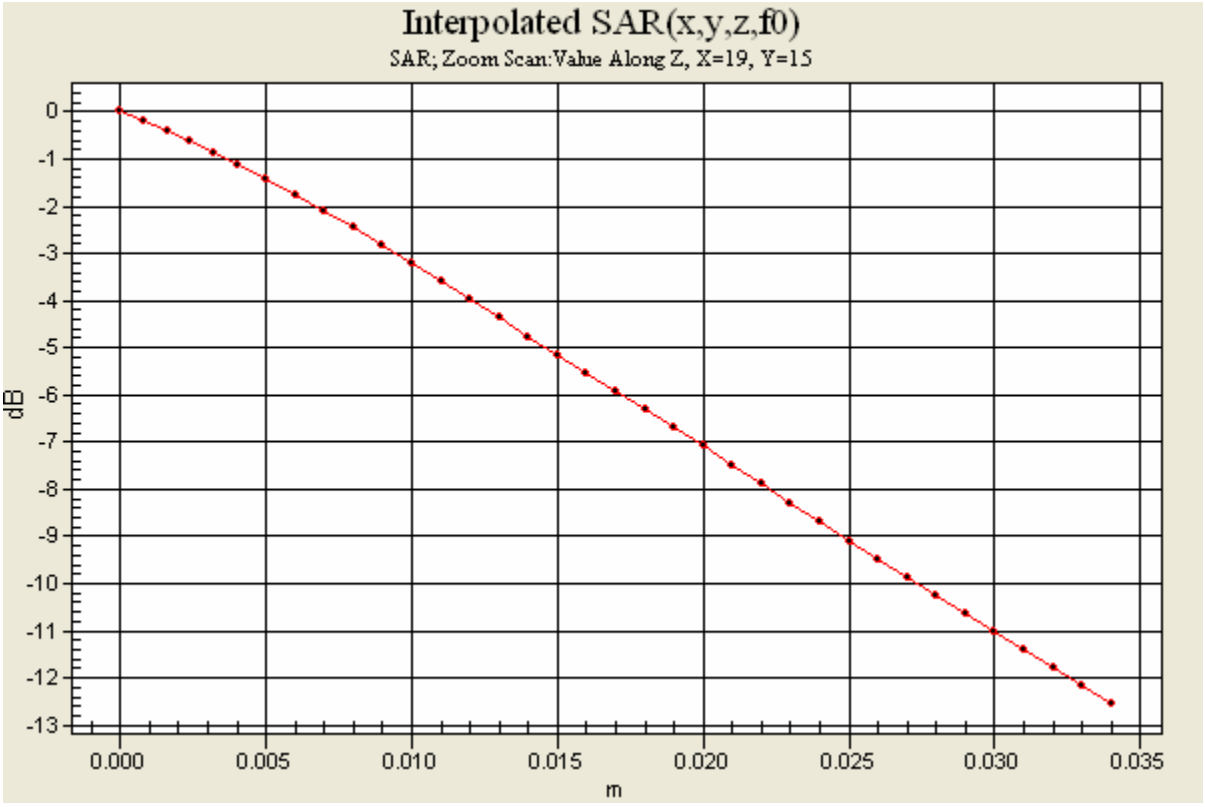
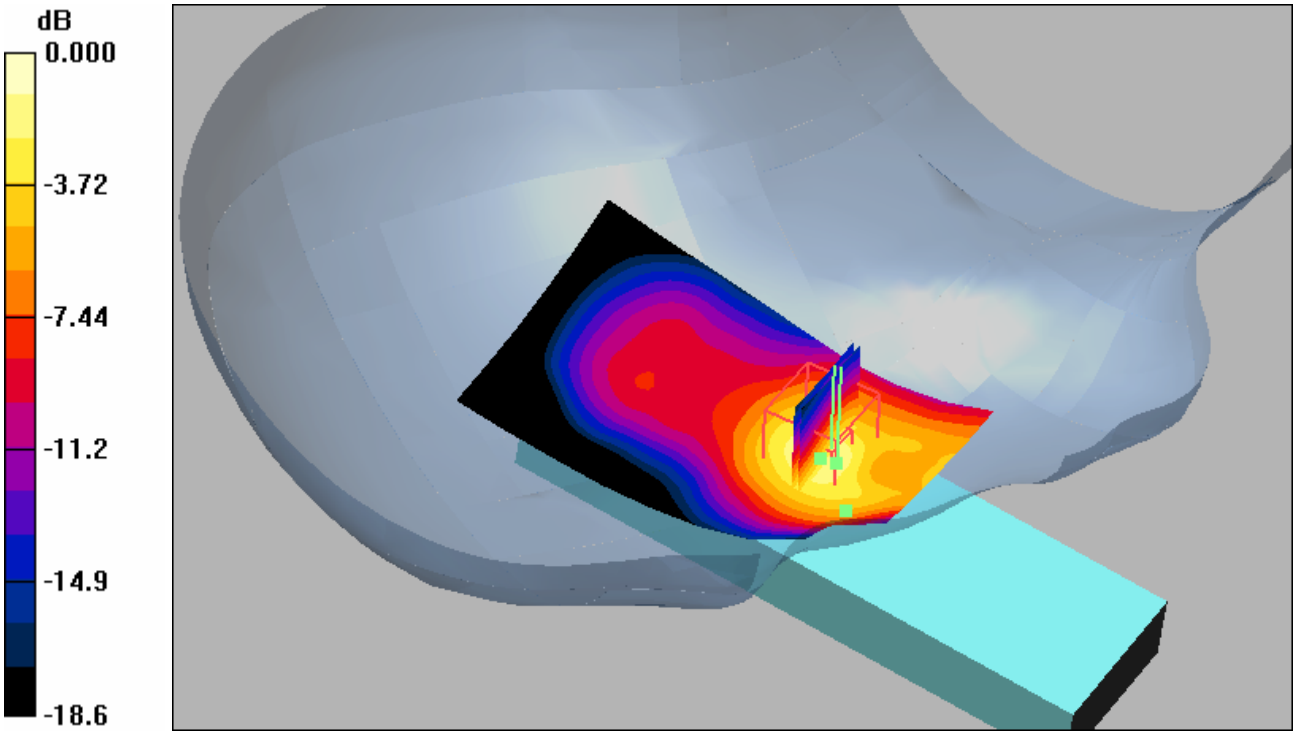


Exhibit 11

Prepared (also subject responsible if other)	No.	
SEM/CV/PF/P Gerard Hayes and Rodney Dixon	REP 2007 003 Z750i 02	
Approved / Checked		
SEM/CV/PF/P Gerard Hayes	D	

Band II UMTS: Distribution and Extrapolation of Maximum SAR
Model: Z750i with Standard Battery: BST-33, Right Side, Cheek/Touch Position with Blue Tooth.
Date/Time: 8/9/2007 1:13:01 PM
File Name: 09Aug07_Z750_B2WCDMA_9CLG_BT_RC01.da4
DUT: Z750
Phantom: SAM with CRP (High Band Head)Phantom section: Right Section
Probe: ET3DV6 - SN1586ConvF(5.17, 5.17, 5.17)
Medium parameters used (interpolated): f = 1907.4 MHz; σ = 1.47 mho/m; ε_r = 38.2; ρ = 1000 kg/m^3
Measurement Standard: DASY4 (High Precision Assessment)
Program Notes: Battery - BST33 Humidity - 45.6 % Ambient Temp - 21.3 C Simulant Temp - 21.4 C
DASY4 Configuration:
- Probe: ET3DV6 - SN1586; ConvF(5.17, 5.17, 5.17); Calibrated: 5/23/2007
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn369; Calibrated: 5/29/2007
- Phantom: SAM with CRP (High Band Head); Type: SAM; Serial: TP: 1335
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172
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) = 1.19 mW/g
Unnamed procedure 3/Zoom Scan (7x7x7)/Cube 0:
Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 10.0 V/m; Power Drift = -0.066 dB
Peak SAR (extrapolated) = 1.63 W/kg
SAR(1 g) = 1.1 mW/g; SAR(10 g) = 0.619 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.27 mW/g
Unnamed procedure 3/Zoom Scan (31x31x36)/Cube 0:
Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 10.0 V/m; Power Drift = -0.066 dB
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 1.63 mW/g

Prepared (also subject responsible if other)	No.	
SEM/CV/PF/P Gerard Hayes and Rodney Dixon	REP 2007 003 Z750i 02	
Approved / Checked		
SEM/CV/PF/P Gerard Hayes	D	



0 dB = 1.63mW/g

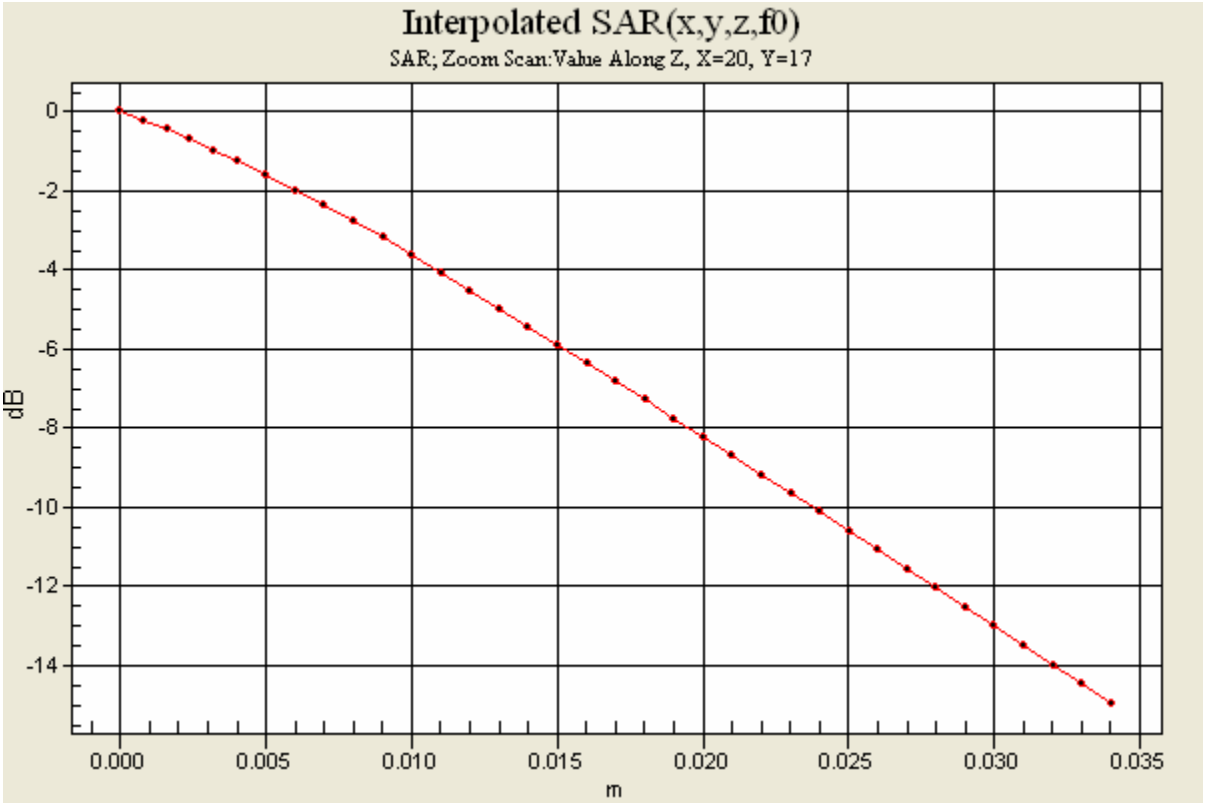


Exhibit 11