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**ANNEX F**  
**of**  
**ShenZhen Electronic Product Quality Testing Center**

**CONFORMANCE TEST REPORT FOR**  
**HUMAN EXPOSURE TO ELECTROMAGNETIC FIELDS**

**SAR08-044**

**SOLOMON TECHNOLOGY CORP**

**USB EDGE Modem**

**Type Name: SEGM-520C**

**Hardware Version: X520B**

**Software Version: V1.2.3.13**

**Additional Position Test**

**This Annex consists of 7 pages**

**Date of Report: 2008-07-30**





## 1. Equipments and results of validation testing

Equipments :

name	Type and specification
Signal generator	SML02
Directional coupler	450MHz-3GHz
Amplifier	3W 502(10-2500MHz)
Reference dipole	IXD-080 antenna
	IXD-090 antenna

Results:

Frequency	Target value(1g)(W/kg)	Test value(1g)(W/kg)
850MHz (July 22)	10.8	10.364(Body)
1900MHz (July 30)	39.7	40.432(Body)



## 2. TEST RESULTS

### 2.1: Dielectric Performance of body Tissue Simulating Liquid

Temperature: 23.0~23.9° C, humidity: 54~60%.			
/	Frequency	Permittivity $\epsilon$	Conductivity $\sigma$ (S/m)
<b>Target value</b>	850 MHZ	55.0	1.05
<b>Validation value</b> (July 22)	850 MHZ	55.38	0.957
<b>Target value</b>	1900 MHz	53.3	1.52
<b>Validation value</b> (July 30)	1900 MHz	54.27	1.382

### 2.2 Summary of Measurement Results

#### SAR Values (GSM 850 MHz Band), Measured against the body, Position 1

Temperature: 23.0~23.9° C, humidity: 55~62%.		
Limit of SAR (W/kg)	1 g Average	
	1.6	
Test Case	Measurement Result (W/kg)	
	1 g Average (W/kg)	Power level (dBm)
Side, Bottom frequency	0.787	30.13
Side, Mid frequency	0.901	30.57
Side , Top frequency	0.987	30.87
Side , Top frequency with EDGE	0.886	30.87
Side , Top frequency with GPRS	0.992	30.87

#### SAR Values (GSM 850 MHz Band), Measured against the body, Position 2

Temperature: 23.0~23.9° C, humidity: 55~62%.		
Limit of SAR (W/kg)	1 g Average	
	1.6	
Test Case	Measurement Result (W/kg)	
	1 g Average (W/kg)	Power level (dBm)
Side, Bottom frequency	0.131	30.13
Side, Mid frequency	0.133	30.57
Side , Top frequency	0.132	30.87



**SAR Values (PCS 1900 MHz Band), Measured against the body, Position 1**

Temperature: 23.0~23.9° C, humidity: 55~62%.		
Limit of SAR (W/kg)	1 g Average	
	1.6	
Test Case	Measurement Result (W/kg)	
	1 g Average (W/kg)	Power level (dBm)
Side, Bottom frequency	1.297	28.57
Side, Mid frequency	0.307	28.50
Side , Top frequency	1.123	27.95
Side , Mid frequency with EDGE	0.933	28.50
Side , Mid frequency with GPRS	0.955	28.50

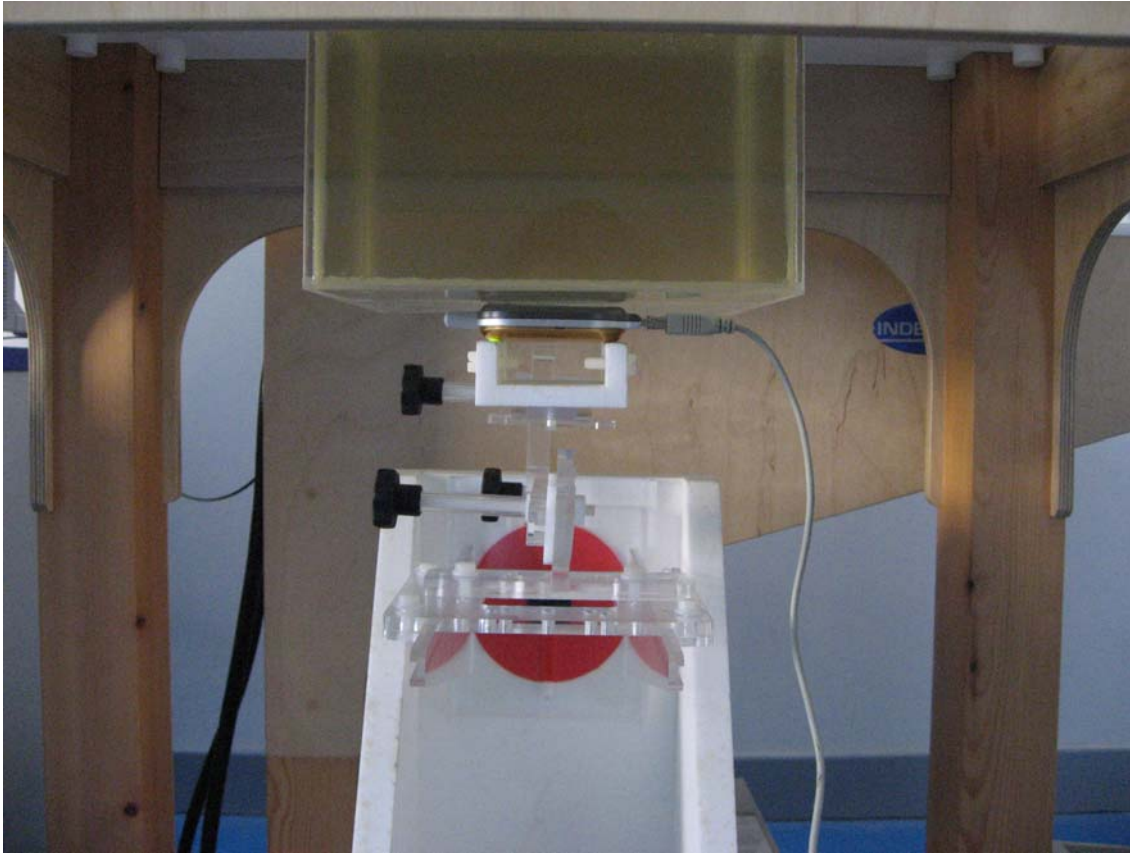
**SAR Values (PCS 1900 MHz Band), Measured against the body, Position 2**

Temperature: 23.0~23.9° C, humidity: 55~62%.		
Limit of SAR (W/kg)	1 g Average	
	1.6	
Test Case	Measurement Result (W/kg)	
	1 g Average (W/kg)	Power level (dBm)
Side, Bottom frequency	0.615	28.57
Side, Mid frequency	0.625	28.50
Side , Top frequency	0.449	27.95



### 3. The Photo of Test setup

#### Position 1 (Touching Phantom):



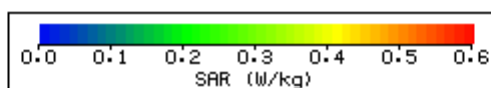
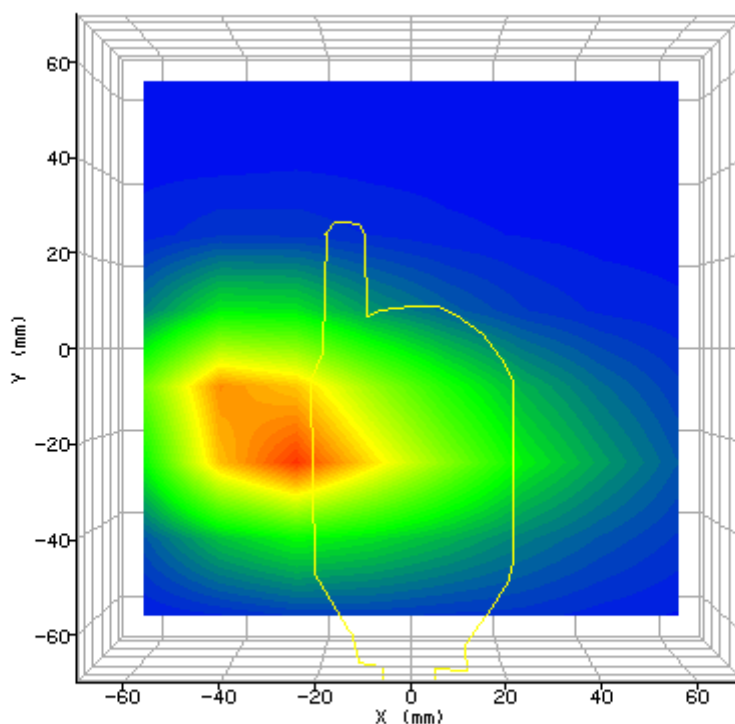
#### Position 2 (Touching Phantom):





## SAR Test GSM 850 Side (Position 1, Bottom Channel)

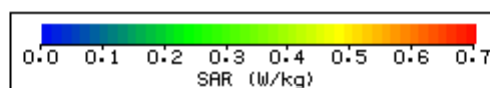
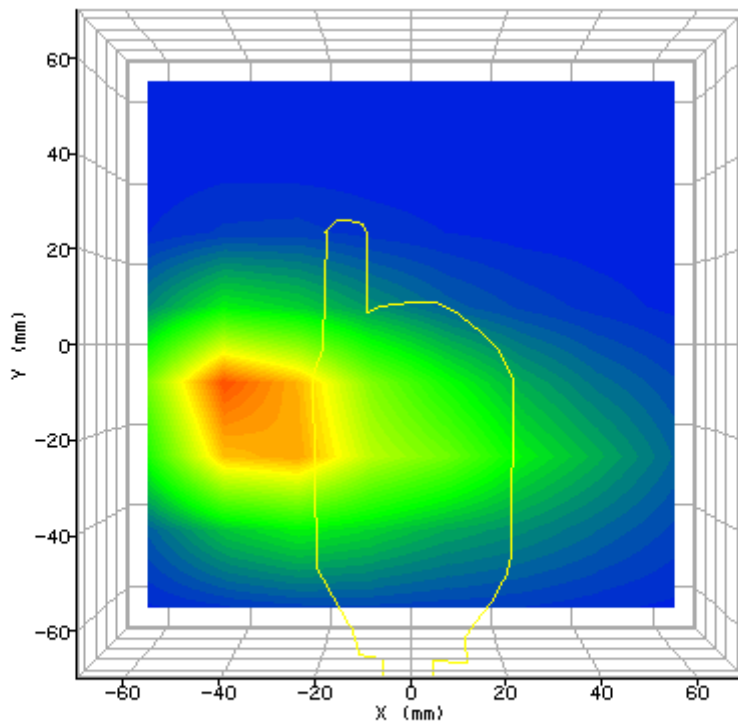
<b>System / software:</b>	SARA2 / 2.54 VPM	<b>Input Power Drift:</b>	0.02dB
<b>Date / Time:</b>	2008-7-22 15:02:37	<b>DUT Battery Model/No:</b>	
<b>Filename:</b>	GSM850_BODY_128.tx t	<b>Probe Serial Number:</b>	0201
<b>Ambient Temperature:</b>	23.7°C	<b>Liquid Simulant:</b>	BODY
<b>Device Under Test:</b>		<b>Relative Permittivity:</b>	55.38
<b>Relative Humidity:</b>	56%	<b>Conductivity:</b>	.957
<b>Phantom S/No:</b>	Head_380SH.csv	<b>Liquid Temperature:</b>	23.7°C
<b>Phantom Rotation:</b>	0°	<b>Max SAR Y-axis Location:</b>	-18.86 mm
<b>DUT Position:</b>	BODY	<b>Max SAR Z-axis Location:</b>	-478.00 mm
<b>Antenna Configuration:</b>	BUILD INSIDE	<b>Max E Field:</b>	26.05 V/m
<b>Test Frequency:</b>	850MHz	<b>SAR 1g:</b>	0.787 W/kg
<b>Air Factors:</b>	354 / 376 / 470	<b>SAR 10g:</b>	0.499 W/kg
<b>Conversion Factors:</b>	.290 / .290 / .290	<b>SAR Start:</b>	0.175 W/kg
<b>Type of Modulation:</b>	GMSK	<b>SAR End:</b>	0.177 W/kg
<b>Modn. Duty Cycle:</b>	8	<b>SAR Drift during Scan:</b>	7.23 %
<b>Diode Compression Factors (V*200):</b>	20 / 20 / 20	<b>Probe battery last changed:</b>	(2.90V)
<b>Input Power Level:</b>	MAX POWER	<b>Extrapolation:</b>	poly4





## SAR Test GSM 850 Side (Position 1, Middle Channel)

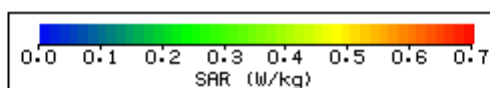
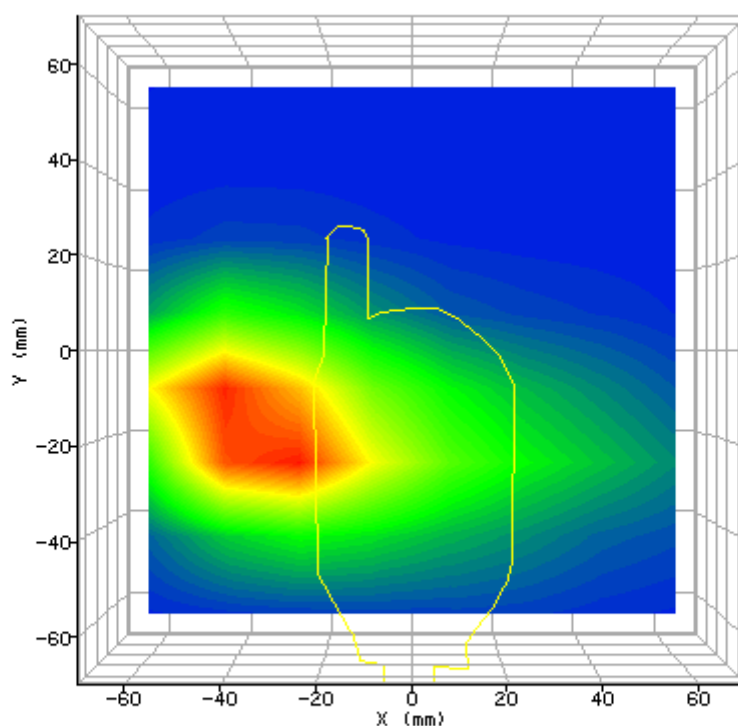
<b>System / software:</b>	SARA2 / 2.54 VPM	<b>Input Power Drift:</b>	0.01dB
<b>Date / Time:</b>	2008-7-22 15:13:27	<b>DUT Battery Model/No:</b>	
<b>Filename:</b>	GSM850_BODY_190.tx t	<b>Probe Serial Number:</b>	0201
<b>Ambient Temperature:</b>	23.7°C	<b>Liquid Simulant:</b>	BODY
<b>Device Under Test:</b>		<b>Relative Permittivity:</b>	55.38
<b>Relative Humidity:</b>	56%	<b>Conductivity:</b>	.957
<b>Phantom S/No:</b>	Head_380SH.csv	<b>Liquid Temperature:</b>	23.7°C
<b>Phantom Rotation:</b>	90°	<b>Max SAR Y-axis Location:</b>	-15.43 mm
<b>DUT Position:</b>	BODY	<b>Max SAR Z-axis Location:</b>	-478.00 mm
<b>Antenna Configuration:</b>	BUILD INSIDE	<b>Max E Field:</b>	27.52 V/m
<b>Test Frequency:</b>	850MHz	<b>SAR 1g:</b>	0.901 W/kg
<b>Air Factors:</b>	354 / 376 / 470	<b>SAR 10g:</b>	0.561 W/kg
<b>Conversion Factors:</b>	.290 / .290 / .290	<b>SAR Start:</b>	0.188 W/kg
<b>Type of Modulation:</b>	GMSK	<b>SAR End:</b>	0.191 W/kg
<b>Modn. Duty Cycle:</b>	8	<b>SAR Drift during Scan:</b>	1.75 %
<b>Diode Compression Factors (V*200):</b>	20 / 20 / 20	<b>Probe battery last changed:</b>	(2.90V)
<b>Input Power Level:</b>	MAX POWER	<b>Extrapolation:</b>	poly4





## SAR Test GSM 850 Side (Position 1, Top Channel)

<b>System / software:</b>	SARA2 / 2.54 VPM	<b>Input Power Drift:</b>	0.02dB
<b>Date / Time:</b>	2008-7-22 15:24:54	<b>DUT Battery Model/No:</b>	
<b>Filename:</b>	GSM850_BODY_251.tx t	<b>Probe Serial Number:</b>	0201
<b>Ambient Temperature:</b>	23.7°C	<b>Liquid Simulant:</b>	BODY
<b>Device Under Test:</b>		<b>Relative Permittivity:</b>	55.38
<b>Relative Humidity:</b>	56%	<b>Conductivity:</b>	.957
<b>Phantom S/No:</b>	Head_380SH.csv	<b>Liquid Temperature:</b>	23.7°C
<b>Phantom Rotation:</b>	90°	<b>Max SAR Y-axis Location:</b>	-17.14 mm
<b>DUT Position:</b>	BODY	<b>Max SAR Z-axis Location:</b>	-478.00 mm
<b>Antenna Configuration:</b>	BUILD INSIDE	<b>Max E Field:</b>	29.42 V/m
<b>Test Frequency:</b>	850MHz	<b>SAR 1g:</b>	0.987 W/kg
<b>Air Factors:</b>	354 / 376 / 470	<b>SAR 10g:</b>	0.618 W/kg
<b>Conversion Factors:</b>	.290 / .290 / .290	<b>SAR Start:</b>	0.207 W/kg
<b>Type of Modulation:</b>	GMSK	<b>SAR End:</b>	0.212 W/kg
<b>Modn. Duty Cycle:</b>	8	<b>SAR Drift during Scan:</b>	2.79 %
<b>Diode Compression Factors (V*200):</b>	20 / 20 / 20	<b>Probe battery last changed:</b>	(2.90V)
<b>Input Power Level:</b>	MAX POWER	<b>Extrapolation:</b>	poly4

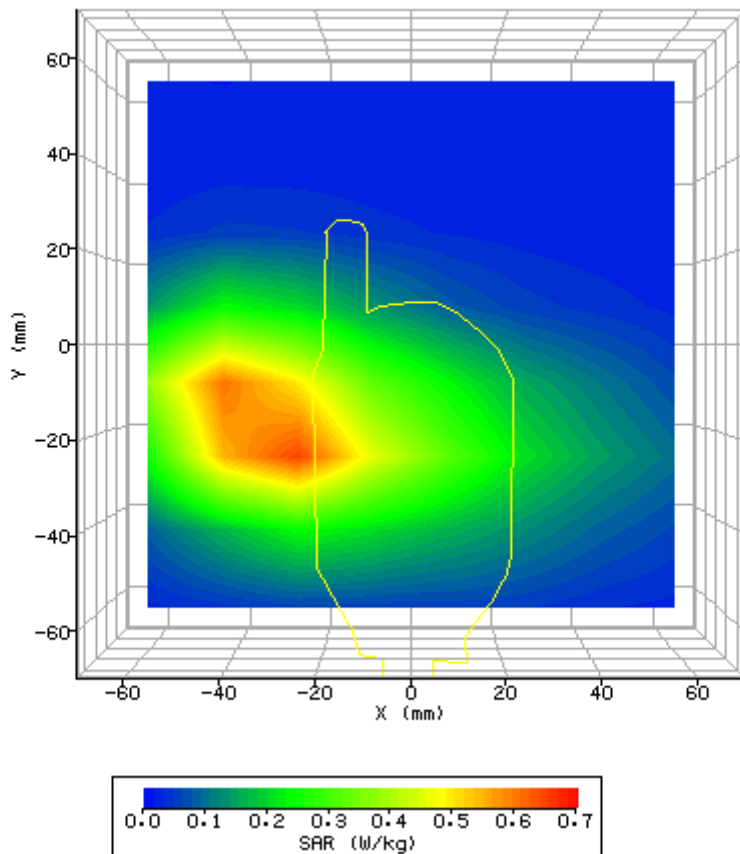






## SAR Test GSM 850 Side (Position 1, Top Channel with Edge)

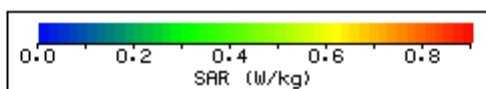
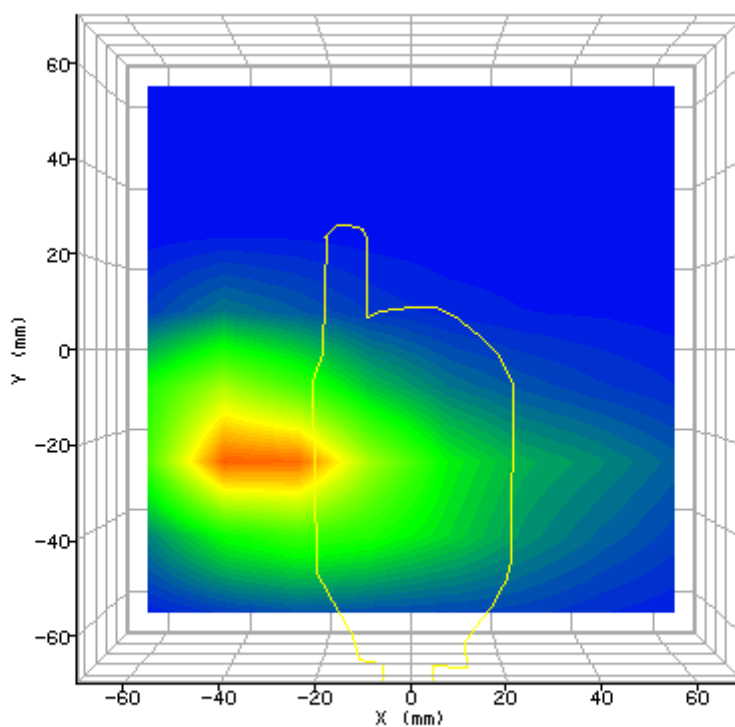
<b>System / software:</b>	SARA2 / 2.54 VPM	<b>Input Power Drift:</b>	0.02dB
<b>Date / Time:</b>	2008-7-22 15:35:46	<b>DUT Battery Model/No:</b>	
<b>Filename:</b>	GSM850_BODY_251_ EDGE.txt	<b>Probe Serial Number:</b>	0201
<b>Ambient Temperature:</b>	23.7°C	<b>Liquid Simulant:</b>	BODY
<b>Device Under Test:</b>		<b>Relative Permittivity:</b>	55.38
<b>Relative Humidity:</b>	56%	<b>Conductivity:</b>	.957
<b>Phantom S/No:</b>	Head_380SH.csv	<b>Liquid Temperature:</b>	23.7°C
<b>Phantom Rotation:</b>	90°	<b>Max SAR Y-axis Location:</b>	-18.86 mm
<b>DUT Position:</b>	BODY	<b>Max SAR Z-axis Location:</b>	-478.00 mm
<b>Antenna Configuration:</b>	BUILD INSIDE	<b>Max E Field:</b>	27.69 V/m
<b>Test Frequency:</b>	850MHz	<b>SAR 1g:</b>	0.886 W/kg
<b>Air Factors:</b>	354 / 376 / 470	<b>SAR 10g:</b>	0.560 W/kg
<b>Conversion Factors:</b>	.290 / .290 / .290	<b>SAR Start:</b>	0.194 W/kg
<b>Type of Modulation:</b>	8PSK	<b>SAR End:</b>	0.199 W/kg
<b>Modn. Duty Cycle:</b>	4	<b>SAR Drift during Scan:</b>	2.27 %
<b>Diode Compression Factors (V*200):</b>	20 / 20 / 20	<b>Probe battery last changed:</b>	(2.90V)
<b>Input Power Level:</b>	MAX POWER	<b>Extrapolation:</b>	poly4





### SAR Test GSM 850 Side (Position 1, Top Channel with GPRS)

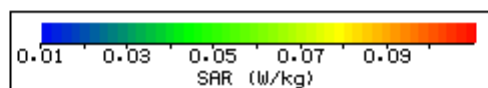
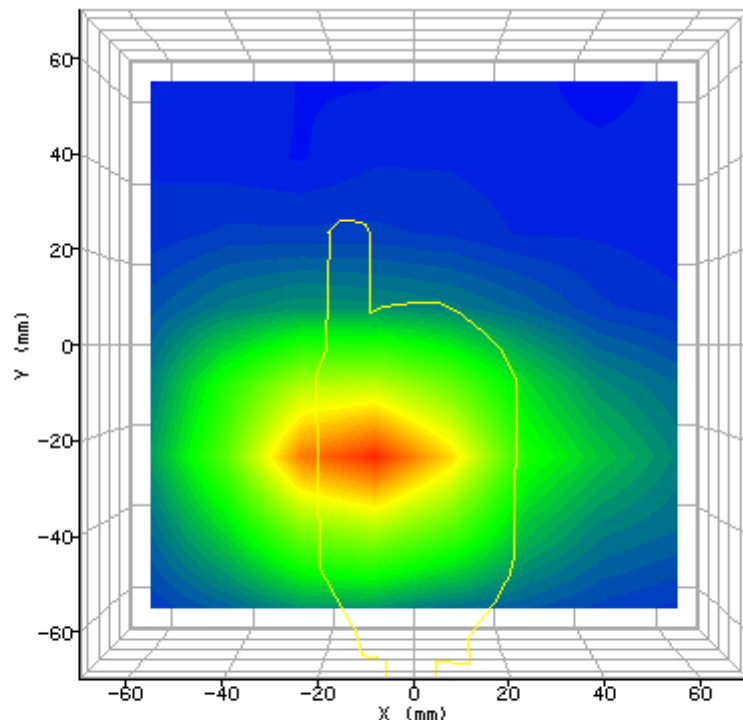
System / software:	SARA2 / 2.54 VPM	Input Power Drift:	0.02dB
Date / Time:	2008-7-22 16:32:35	DUT Battery Model/No:	
Filename:	P1_GSM850_BODY_2 51_GPRS.txt	Probe Serial Number:	0201
Ambient Temperature:	23.7°C	Liquid Simulant:	BODY
Device Under Test:		Relative Permittivity:	55.38
Relative Humidity:	56%	Conductivity:	.957
Phantom S/No:	Head_380SH.csv	Liquid Temperature:	23.7°C
Phantom Rotation:	90°	Max SAR Y-axis Location:	-18.67 mm
DUT Position:	BODY	Max SAR Z-axis Location:	-478.00 mm
Antenna Configuration:	BUILD INSIDE	Max E Field:	29.25 V/m
Test Frequency:	850MHz	SAR 1g:	0.992 W/kg
Air Factors:	354 / 376 / 470	SAR 10g:	0.631 W/kg
Conversion Factors:	.290 / .290 / .290	SAR Start:	0.200 W/kg
Type of Modulation:	GMSK	SAR End:	0.207 W/kg
Modn. Duty Cycle:	4	SAR Drift during Scan:	3.26 %
Diode Compression Factors (V*200):	20 / 20 / 20	Probe battery last changed:	(2.90V)
Input Power Level:	MAX POWER	Extrapolation:	poly4





## SAR Test GSM 850 Side (Position 2, Bottom Channel)

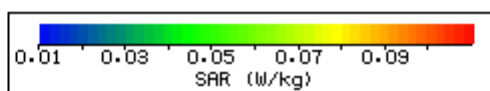
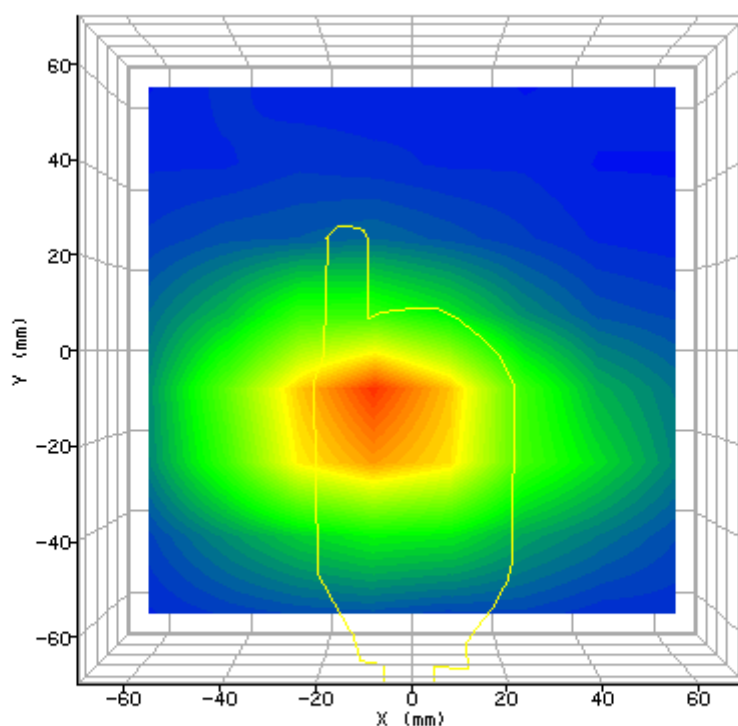
<b>System / software:</b>	SARA2 / 2.54 VPM	<b>Input Power Drift:</b>	0.01dB
<b>Date / Time:</b>	2008-7-22 16:53:16	<b>DUT Battery Model/No:</b>	
<b>Filename:</b>	P2_GSM850_BODY_1 28.txt	<b>Probe Serial Number:</b>	0201
<b>Ambient Temperature:</b>	23.7°C	<b>Liquid Simulant:</b>	BODY
<b>Device Under Test:</b>		<b>Relative Permittivity:</b>	55.38
<b>Relative Humidity:</b>	56%	<b>Conductivity:</b>	.957
<b>Phantom S/No:</b>	Head_380SH.csv	<b>Liquid Temperature:</b>	23.7°C
<b>Phantom Rotation:</b>	90°	<b>Max SAR Y-axis Location:</b>	-20.38 mm
<b>DUT Position:</b>	BODY	<b>Max SAR Z-axis Location:</b>	-478.00 mm
<b>Antenna Configuration:</b>	BUILD INSIDE	<b>Max E Field:</b>	10.39 V/m
<b>Test Frequency:</b>	850MHz	<b>SAR 1g:</b>	0.131 W/kg
<b>Air Factors:</b>	354 / 376 / 470	<b>SAR 10g:</b>	0.086 W/kg
<b>Conversion Factors:</b>	.290 / .290 / .290	<b>SAR Start:</b>	0.036 W/kg
<b>Type of Modulation:</b>	GMSK	<b>SAR End:</b>	0.036 W/kg
<b>Modn. Duty Cycle:</b>	8	<b>SAR Drift during Scan:</b>	1.15 %
<b>Diode Compression Factors (V*200):</b>	20 / 20 / 20	<b>Probe battery last changed:</b>	(2.90V)
<b>Input Power Level:</b>	MAX POWER	<b>Extrapolation:</b>	poly4





## SAR Test GSM 850 Side (Position 2, Middle Channel)

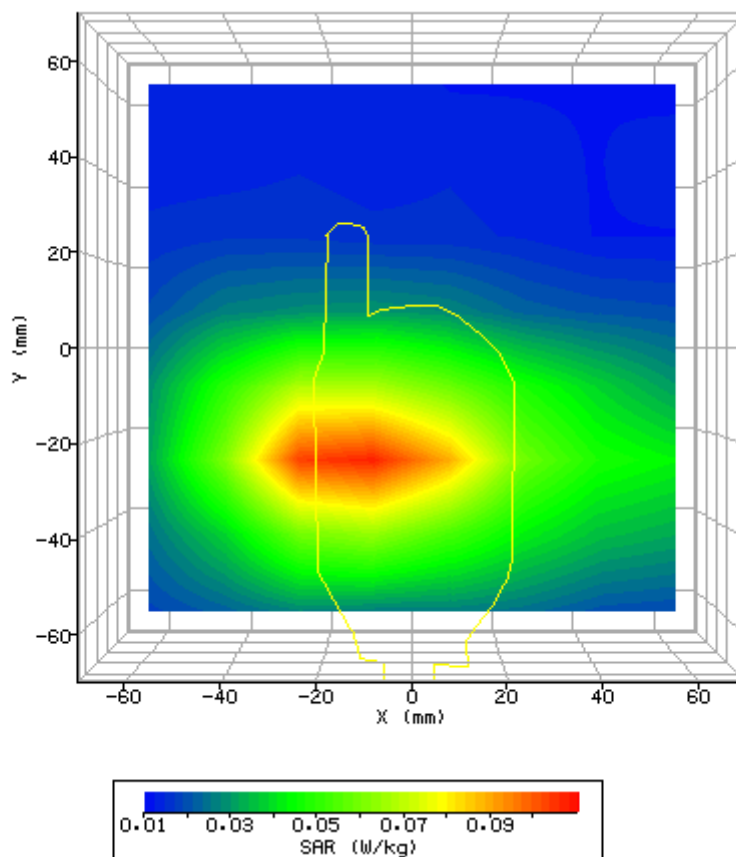
<b>System / software:</b>	SARA2 / 2.54 VPM	<b>Input Power Drift:</b>	0.01dB
<b>Date / Time:</b>	2008-7-22 15:56:36	<b>DUT Battery Model/No:</b>	
<b>Filename:</b>	P2_GSM850_BODY_1 90.txt	<b>Probe Serial Number:</b>	0201
<b>Ambient Temperature:</b>	23.7°C	<b>Liquid Simulant:</b>	BODY
<b>Device Under Test:</b>		<b>Relative Permittivity:</b>	55.38
<b>Relative Humidity:</b>	56%	<b>Conductivity:</b>	.957
<b>Phantom S/No:</b>	Head_380SH.csv	<b>Liquid Temperature:</b>	23.7°C
<b>Phantom Rotation:</b>	90°	<b>Max SAR Y-axis Location:</b>	-15.43 mm
<b>DUT Position:</b>	BODY	<b>Max SAR Z-axis Location:</b>	-478.00 mm
<b>Antenna Configuration:</b>	BUILD INSIDE	<b>Max E Field:</b>	10.83 V/m
<b>Test Frequency:</b>	850MHz	<b>SAR 1g:</b>	0.133 W/kg
<b>Air Factors:</b>	354 / 376 / 470	<b>SAR 10g:</b>	0.090 W/kg
<b>Conversion Factors:</b>	.290 / .290 / .290	<b>SAR Start:</b>	0.038 W/kg
<b>Type of Modulation:</b>	GMSK	<b>SAR End:</b>	0.038 W/kg
<b>Modn. Duty Cycle:</b>	8	<b>SAR Drift during Scan:</b>	1.87 %
<b>Diode Compression Factors (V*200):</b>	20 / 20 / 20	<b>Probe battery last changed:</b>	(2.90V)
<b>Input Power Level:</b>	MAX POWER	<b>Extrapolation:</b>	poly4





## SAR Test GSM 850 Side (Position 2, Top Channel)

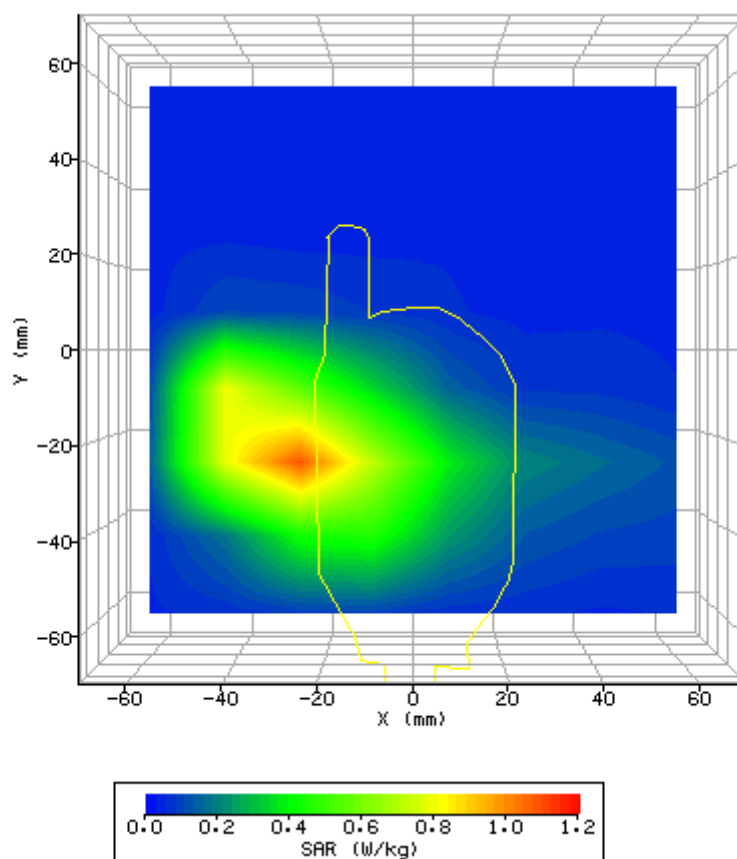
<b>System / software:</b>	SARA2 / 2.54 VPM	<b>Input Power Drift:</b>	0.02dB
<b>Date / Time:</b>	2008-7-22 16:43:42	<b>DUT Battery Model/No:</b>	
<b>Filename:</b>	P2_GSM850_BODY_2 51.txt	<b>Probe Serial Number:</b>	0201
<b>Ambient Temperature:</b>	23.7°C	<b>Liquid Simulant:</b>	BODY
<b>Device Under Test:</b>		<b>Relative Permittivity:</b>	55.38
<b>Relative Humidity:</b>	56%	<b>Conductivity:</b>	.957
<b>Phantom S/No:</b>	Head_380SH.csv	<b>Liquid Temperature:</b>	23.7°C
<b>Phantom Rotation:</b>	90°	<b>Max SAR Y-axis Location:</b>	-20.38 mm
<b>DUT Position:</b>	BODY	<b>Max SAR Z-axis Location:</b>	-478.00 mm
<b>Antenna Configuration:</b>	BUILD INSIDE	<b>Max E Field:</b>	10.48 V/m
<b>Test Frequency:</b>	850MHz	<b>SAR 1g:</b>	0.132 W/kg
<b>Air Factors:</b>	354 / 376 / 470	<b>SAR 10g:</b>	0.087 W/kg
<b>Conversion Factors:</b>	.290 / .290 / .290	<b>SAR Start:</b>	0.034 W/kg
<b>Type of Modulation:</b>	GMSK	<b>SAR End:</b>	0.034 W/kg
<b>Modn. Duty Cycle:</b>	8	<b>SAR Drift during Scan:</b>	1.55 %
<b>Diode Compression Factors (V*200):</b>	20 / 20 / 20	<b>Probe battery last changed:</b>	(2.90V)
<b>Input Power Level:</b>	MAX POWER	<b>Extrapolation:</b>	poly4





## SAR Test PCS 1900 Side (Position 1, Bottom Channel)

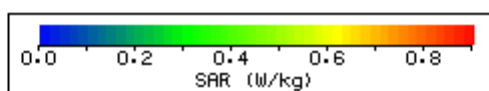
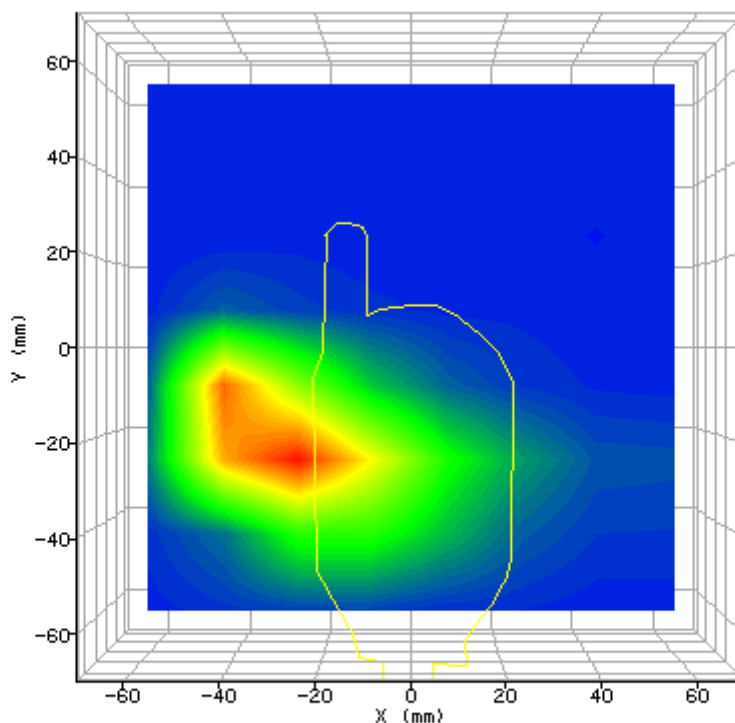
<b>System / software:</b>	SARA2 / 2.54 VPM	<b>Input Power Drift:</b>	0.02dB
<b>Date / Time:</b>	2008-7-30 9:20:48	<b>DUT Battery Model/No:</b>	
<b>Filename:</b>	P1_PCS1900_BODY_5 12.txt	<b>Probe Serial Number:</b>	0201
<b>Ambient Temperature:</b>	23.7°C	<b>Liquid Simulant:</b>	BODY
<b>Device Under Test:</b>		<b>Relative Permittivity:</b>	54.27
<b>Relative Humidity:</b>	56%	<b>Conductivity:</b>	1.382
<b>Phantom S/No:</b>	Head_380SH.csv	<b>Liquid Temperature:</b>	23.7°C
<b>Phantom Rotation:</b>	90°	<b>Max SAR Y-axis Location:</b>	-18.67 mm
<b>DUT Position:</b>	BODY	<b>Max SAR Z-axis Location:</b>	-478.50 mm
<b>Antenna Configuration:</b>	BUILD INSIDE	<b>Max E Field:</b>	28.19 V/m
<b>Test Frequency:</b>	1900MHz	<b>SAR 1g:</b>	1.297 W/kg
<b>Air Factors:</b>	354 / 376 / 470	<b>SAR 10g:</b>	0.816 W/kg
<b>Conversion Factors:</b>	.401 / .401 / .401	<b>SAR Start:</b>	0.343 W/kg
<b>Type of Modulation:</b>	GMSK	<b>SAR End:</b>	0.343 W/kg
<b>Modn. Duty Cycle:</b>	8	<b>SAR Drift during Scan:</b>	0.63 %
<b>Diode Compression Factors (V*200):</b>	20 / 20 / 20	<b>Probe battery last changed:</b>	(2.90V)
<b>Input Power Level:</b>	MAX POWER	<b>Extrapolation:</b>	poly4





### SAR Test PCS 1900 Side (Position 1, Middle Channel)

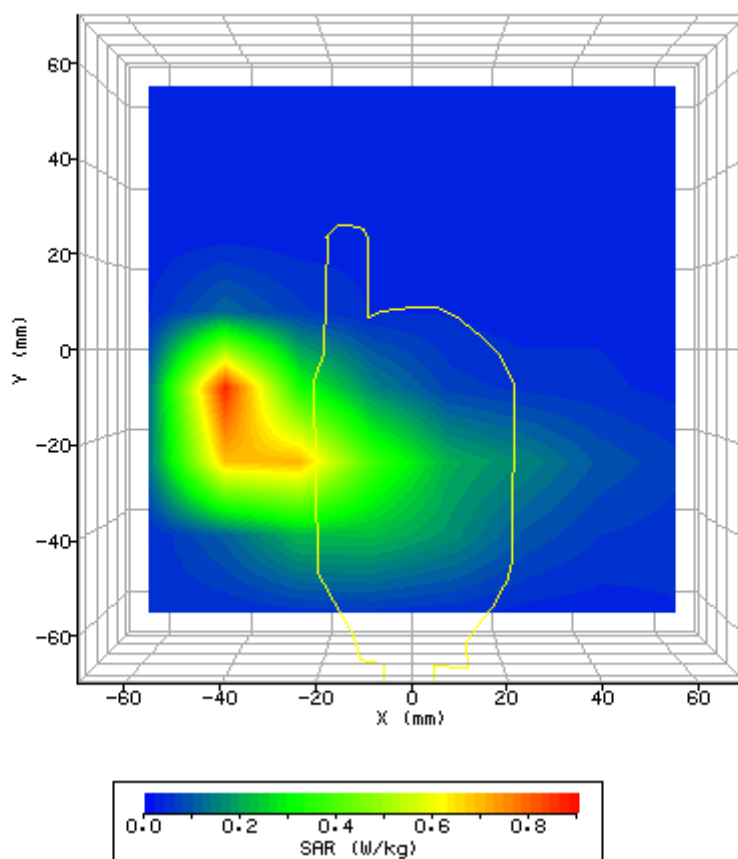
<b>System / software:</b>	SARA2 / 2.54 VPM	<b>Input Power Drift:</b>	0.02dB
<b>Date / Time:</b>	2008-7-30 9:31:23	<b>DUT Battery Model/No:</b>	
<b>Filename:</b>	P1_PCS1900_BODY_6 61.txt	<b>Probe Serial Number:</b>	0201
<b>Ambient Temperature:</b>	23.7°C	<b>Liquid Simulant:</b>	BODY
<b>Device Under Test:</b>		<b>Relative Permittivity:</b>	54.27
<b>Relative Humidity:</b>	56%	<b>Conductivity:</b>	1.382
<b>Phantom S/No:</b>	Head_380SH.csv	<b>Liquid Temperature:</b>	23.7°C
<b>Phantom Rotation:</b>	90°	<b>Max SAR Y-axis Location:</b>	-16.95 mm
<b>DUT Position:</b>	BODY	<b>Max SAR Z-axis Location:</b>	-478.50 mm
<b>Antenna Configuration:</b>	BUILD INSIDE	<b>Max E Field:</b>	27.89 V/m
<b>Test Frequency:</b>	1900MHz	<b>SAR 1g:</b>	1.307 W/kg
<b>Air Factors:</b>	354 / 376 / 470	<b>SAR 10g:</b>	0.755 W/kg
<b>Conversion Factors:</b>	.401 / .401 / .401	<b>SAR Start:</b>	0.263 W/kg
<b>Type of Modulation:</b>	GMSK	<b>SAR End:</b>	0.271 W/kg
<b>Modn. Duty Cycle:</b>	8	<b>SAR Drift during Scan:</b>	2.79 %
<b>Diode Compression Factors (V*200):</b>	20 / 20 / 20	<b>Probe battery last changed:</b>	(2.90V)
<b>Input Power Level:</b>	MAX POWER	<b>Extrapolation:</b>	poly4





## SAR Test PCS 1900 Side (Position 1, Top Channel)

<b>System / software:</b>	SARA2 / 2.54 VPM	<b>Input Power Drift:</b>	0.01dB
<b>Date / Time:</b>	2008-7-30 9:41:46	<b>DUT Battery Model/No:</b>	
<b>Filename:</b>	P1_PCS1900_BODY_8 10.txt	<b>Probe Serial Number:</b>	0201
<b>Ambient Temperature:</b>	23.7°C	<b>Liquid Simulant:</b>	BODY
<b>Device Under Test:</b>		<b>Relative Permittivity:</b>	54.27
<b>Relative Humidity:</b>	56%	<b>Conductivity:</b>	1.382
<b>Phantom S/No:</b>	Head_380SH.csv	<b>Liquid Temperature:</b>	23.7°C
<b>Phantom Rotation:</b>	90°	<b>Max SAR Y-axis Location:</b>	-18.86 mm
<b>DUT Position:</b>	BODY	<b>Max SAR Z-axis Location:</b>	-478.50 mm
<b>Antenna Configuration:</b>	BUILD INSIDE	<b>Max E Field:</b>	25.60 V/m
<b>Test Frequency:</b>	1900MHz	<b>SAR 1g:</b>	1.123 W/kg
<b>Air Factors:</b>	354 / 376 / 470	<b>SAR 10g:</b>	0.606 W/kg
<b>Conversion Factors:</b>	.401 / .401 / .401	<b>SAR Start:</b>	0.215 W/kg
<b>Type of Modulation:</b>	GMSK	<b>SAR End:</b>	0.215 W/kg
<b>Modn. Duty Cycle:</b>	8	<b>SAR Drift during Scan:</b>	0.56 %
<b>Diode Compression Factors (V*200):</b>	20 / 20 / 20	<b>Probe battery last changed:</b>	(2.90V)
<b>Input Power Level:</b>	MAX POWER	<b>Extrapolation:</b>	poly4

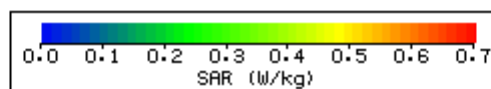
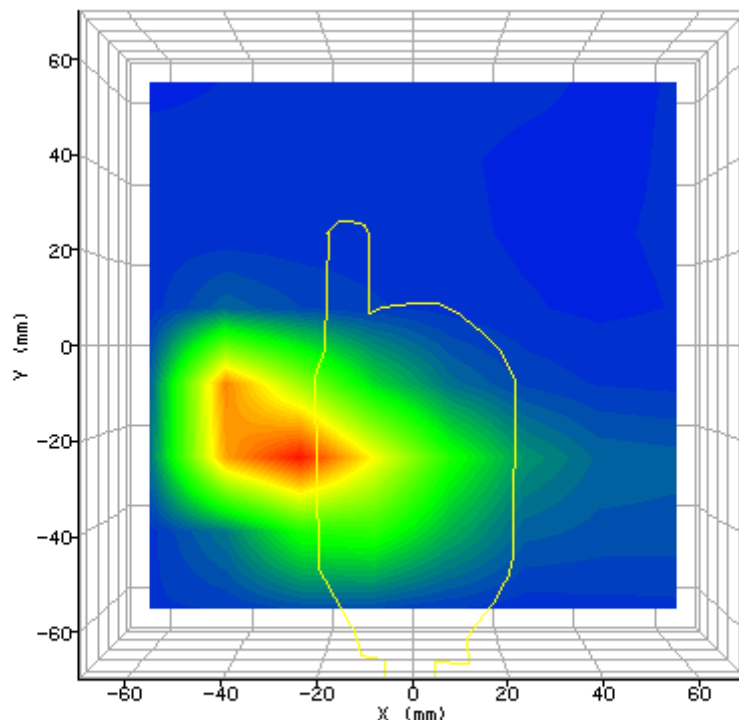






## SAR Test PCS 1900 Side (Position 1, Mid Channel with Edge)

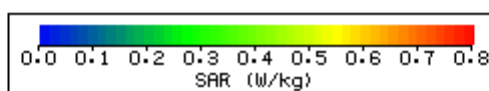
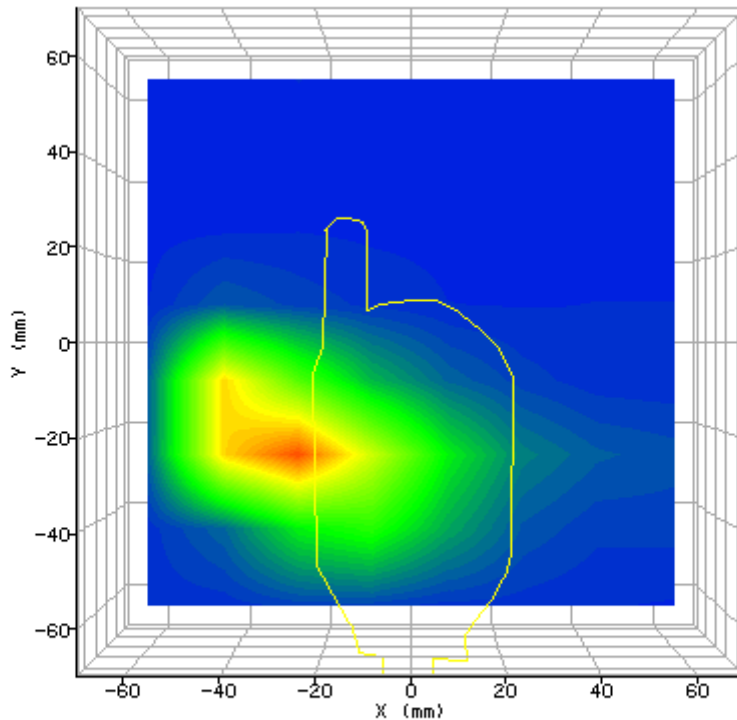
<b>System / software:</b>	SARA2 / 2.54 VPM	<b>Input Power Drift:</b>	0.02dB
<b>Date / Time:</b>	2008-7-30 10:05:47	<b>DUT Battery Model/No:</b>	
<b>Filename:</b>	P1_PCS1900_BODY_6 61_EDGE.txt	<b>Probe Serial Number:</b>	0201
<b>Ambient Temperature:</b>	23.7°C	<b>Liquid Simulant:</b>	BODY
<b>Device Under Test:</b>		<b>Relative Permittivity:</b>	54.27
<b>Relative Humidity:</b>	56%	<b>Conductivity:</b>	1.382
<b>Phantom S/No:</b>	Head_380SH.csv	<b>Liquid Temperature:</b>	23.7°C
<b>Phantom Rotation:</b>	90°	<b>Max SAR Y-axis Location:</b>	-22.29 mm
<b>DUT Position:</b>	BODY	<b>Max SAR Z-axis Location:</b>	-478.50 mm
<b>Antenna Configuration:</b>	BUILD INSIDE	<b>Max E Field:</b>	23.99 V/m
<b>Test Frequency:</b>	1900MHz	<b>SAR 1g:</b>	0.933 W/kg
<b>Air Factors:</b>	354 / 376 / 470	<b>SAR 10g:</b>	0.550 W/kg
<b>Conversion Factors:</b>	.401 / .401 / .401	<b>SAR Start:</b>	0.207 W/kg
<b>Type of Modulation:</b>	8PSK	<b>SAR End:</b>	0.210 W/kg
<b>Modn. Duty Cycle:</b>	4	<b>SAR Drift during Scan:</b>	1.51 %
<b>Diode Compression Factors (V*200):</b>	20 / 20 / 20	<b>Probe battery last changed:</b>	(2.90V)
<b>Input Power Level:</b>	MAX POWER	<b>Extrapolation:</b>	poly4





### SAR Test PCS 1900 Side (Position 1, Mid Channel with GPRS)

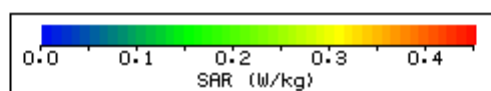
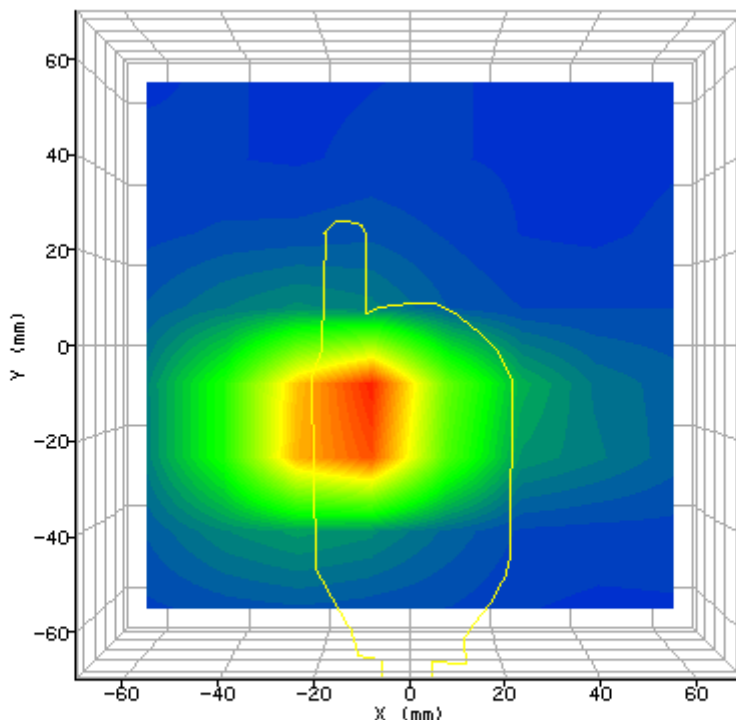
System / software:	SARA2 / 2.54 VPM	Input Power Drift:	0.02dB
Date / Time:	2008-7-30 9:54:31	DUT Battery Model/No:	
Filename:	P1_PCS1900_BODY_6 61_GPRS.txt	Probe Serial Number:	0201
Ambient Temperature:	23.7°C	Liquid Simulant:	BODY
Device Under Test:		Relative Permittivity:	54.27
Relative Humidity:	56%	Conductivity:	1.382
Phantom S/No:	Head_380SH.csv	Liquid Temperature:	23.7°C
Phantom Rotation:	90°	Max SAR Y-axis Location:	-16.95 mm
DUT Position:	BODY	Max SAR Z-axis Location:	-478.50 mm
Antenna Configuration:	BUILD INSIDE	Max E Field:	24.10 V/m
Test Frequency:	1900MHz	SAR 1g:	0.955 W/kg
Air Factors:	354 / 376 / 470	SAR 10g:	0.561 W/kg
Conversion Factors:	.401 / .401 / .401	SAR Start:	0.205 W/kg
Type of Modulation:	GMSK	SAR End:	0.212 W/kg
Modn. Duty Cycle:	4	SAR Drift during Scan:	3.69 %
Diode Compression Factors (V*200):	20 / 20 / 20	Probe battery last changed:	(2.90V)
Input Power Level:	MAX POWER	Extrapolation:	poly4





## SAR Test PCS 1900 Side (Position 2, Bottom Channel)

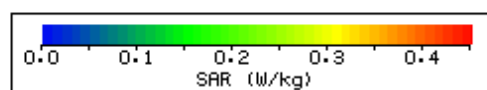
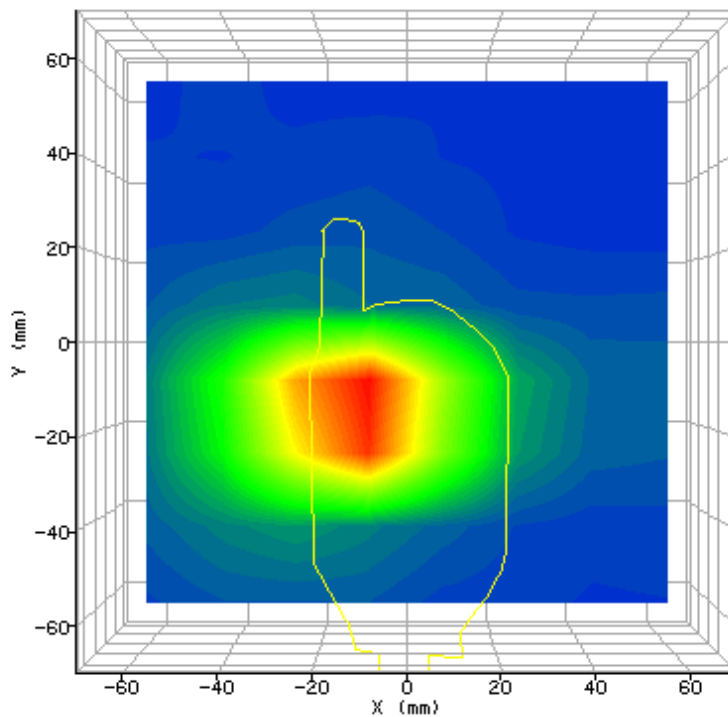
<b>System / software:</b>	SARA2 / 2.54 VPM	<b>Input Power Drift:</b>	0.02dB
<b>Date / Time:</b>	2008-7-30 10:20:26	<b>DUT Battery Model/No:</b>	
<b>Filename:</b>	P2_PCS1900_BODY_5 12.txt	<b>Probe Serial Number:</b>	0201
<b>Ambient Temperature:</b>	23.7°C	<b>Liquid Simulant:</b>	BODY
<b>Device Under Test:</b>		<b>Relative Permittivity:</b>	54.27
<b>Relative Humidity:</b>	56%	<b>Conductivity:</b>	1.382
<b>Phantom S/No:</b>	Head_380SH.csv	<b>Liquid Temperature:</b>	23.7°C
<b>Phantom Rotation:</b>	90°	<b>Max SAR Y-axis Location:</b>	-17.14 mm
<b>DUT Position:</b>	BODY	<b>Max SAR Z-axis Location:</b>	-478.50 mm
<b>Antenna Configuration:</b>	BUILD INSIDE	<b>Max E Field:</b>	19.84 V/m
<b>Test Frequency:</b>	1900MHz	<b>SAR 1g:</b>	0.615 W/kg
<b>Air Factors:</b>	354 / 376 / 470	<b>SAR 10g:</b>	0.360 W/kg
<b>Conversion Factors:</b>	.401 / .401 / .401	<b>SAR Start:</b>	0.141 W/kg
<b>Type of Modulation:</b>	GMSK	<b>SAR End:</b>	0.142 W/kg
<b>Modn. Duty Cycle:</b>	8	<b>SAR Drift during Scan:</b>	1.20 %
<b>Diode Compression Factors (V*200):</b>	20 / 20 / 20	<b>Probe battery last changed:</b>	(2.90V)
<b>Input Power Level:</b>	MAX POWER	<b>Extrapolation:</b>	poly4





## SAR Test PCS 1900 Side (Position 2, Middle Channel)

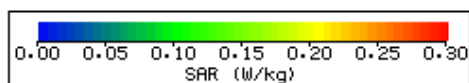
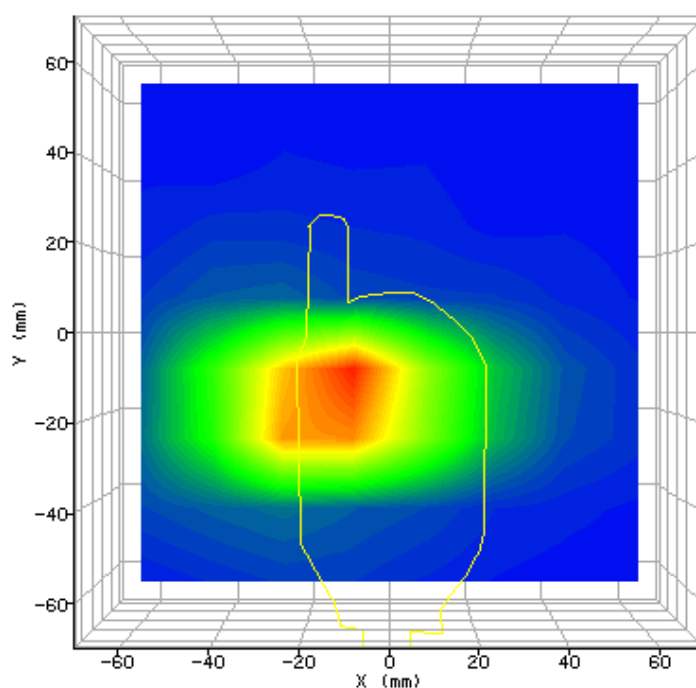
<b>System / software:</b>	SARA2 / 2.54 VPM	<b>Input Power Drift:</b>	0.02dB
<b>Date / Time:</b>	2008-7-30 10:33:18	<b>DUT Battery Model/No:</b>	
<b>Filename:</b>	P2_PCS1900_BODY_6 61.txt	<b>Probe Serial Number:</b>	0201
<b>Ambient Temperature:</b>	23.7°C	<b>Liquid Simulant:</b>	BODY
<b>Device Under Test:</b>		<b>Relative Permittivity:</b>	54.27
<b>Relative Humidity:</b>	56%	<b>Conductivity:</b>	1.382
<b>Phantom S/No:</b>	Head_380SH.csv	<b>Liquid Temperature:</b>	23.7°C
<b>Phantom Rotation:</b>	90°	<b>Max SAR Y-axis Location:</b>	-22.48 mm
<b>DUT Position:</b>	BODY	<b>Max SAR Z-axis Location:</b>	-478.50 mm
<b>Antenna Configuration:</b>	BUILD INSIDE	<b>Max E Field:</b>	19.23 V/m
<b>Test Frequency:</b>	1900MHz	<b>SAR 1g:</b>	0.625 W/kg
<b>Air Factors:</b>	354 / 376 / 470	<b>SAR 10g:</b>	0.366 W/kg
<b>Conversion Factors:</b>	.401 / .401 / .401	<b>SAR Start:</b>	0.141 W/kg
<b>Type of Modulation:</b>	GMSK	<b>SAR End:</b>	0.144 W/kg
<b>Modn. Duty Cycle:</b>	8	<b>SAR Drift during Scan:</b>	1.82 %
<b>Diode Compression Factors (V*200):</b>	20 / 20 / 20	<b>Probe battery last changed:</b>	(2.90V)
<b>Input Power Level:</b>	MAX POWER	<b>Extrapolation:</b>	poly4





### SAR Test PCS 1900 Side (Position 2, Top Channel)

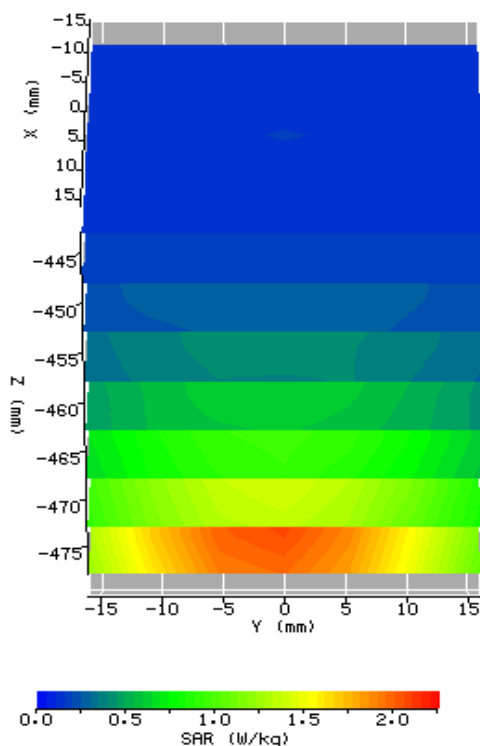
<b>System / software:</b>	SARA2 / 2.54 VPM	<b>Input Power Drift:</b>	0.01dB
<b>Date / Time:</b>	2008-7-30 10:42:58	<b>DUT Battery Model/No:</b>	
<b>Filename:</b>	P2_PCS1900_BODY_8 10.txt	<b>Probe Serial Number:</b>	0201
<b>Ambient Temperature:</b>	23.7°C	<b>Liquid Simulant:</b>	BODY
<b>Device Under Test:</b>		<b>Relative Permittivity:</b>	54.27
<b>Relative Humidity:</b>	56%	<b>Conductivity:</b>	1.382
<b>Phantom S/No:</b>	Head_380SH.csv	<b>Liquid Temperature:</b>	23.7°C
<b>Phantom Rotation:</b>	90°	<b>Max SAR Y-axis Location:</b>	-17.14 mm
<b>DUT Position:</b>	BODY	<b>Max SAR Z-axis Location:</b>	-478.50 mm
<b>Antenna Configuration:</b>	BUILD INSIDE	<b>Max E Field:</b>	15.88 V/m
<b>Test Frequency:</b>	1900MHz	<b>SAR 1g:</b>	0.449 W/kg
<b>Air Factors:</b>	354 / 376 / 470	<b>SAR 10g:</b>	0.253 W/kg
<b>Conversion Factors:</b>	.401 / .401 / .401	<b>SAR Start:</b>	0.080 W/kg
<b>Type of Modulation:</b>	GMSK	<b>SAR End:</b>	0.080 W/kg
<b>Modn. Duty Cycle:</b>	8	<b>SAR Drift during Scan:</b>	1.41 %
<b>Diode Compression Factors (V*200):</b>	20 / 20 / 20	<b>Probe battery last changed:</b>	(2.90V)
<b>Input Power Level:</b>	MAX POWER	<b>Extrapolation:</b>	poly4





### System Check Body 850MHz

<b>System / software:</b>	SARA2 / 2.40 VPM	<b>Input Power Drift:</b>	0.01dB
<b>Date / Time:</b>	2008-7-22 12:01:34	<b>DUT Battery Model/No:</b>	
<b>Filename:</b>	System Cheek_Body _850MHz.txt	<b>Probe Serial Number:</b>	0201
<b>Ambient Temperature:</b>	23.7°C	<b>Liquid Simulant:</b>	Body tissue
<b>Device Under Test:</b>	IXD-090antenna (250mw)	<b>Relative Permittivity:</b>	55.38
<b>Relative Humidity:</b>	55%	<b>Conductivity:</b>	.957
<b>Phantom S/No:</b>	HeadBox75mm.csv	<b>Liquid Temperature:</b>	23.7°C
<b>Phantom Rotation:</b>	0°	<b>Max SAR X-axis Location:</b>	0.00 mm
<b>DUT Position:</b>	850_Body	<b>Max SAR Y-axis Location:</b>	0.00 mm
<b>Antenna Configuration:</b>	IXD-090antenna	<b>Max E Field:</b>	44.80 V/m
<b>Test Frequency:</b>	850MHz	<b>SAR 1g:</b>	2.591 W/kg
<b>Air Factors:</b>	354 / 376 / 470	<b>SAR 10g:</b>	1.700 W/kg
<b>Conversion Factors:</b>	.290 / .290 / .290	<b>SAR Start:</b>	0.561 W/kg
<b>Type of Modulation:</b>	/	<b>SAR End:</b>	0.561 W/kg
<b>Modn. Duty Cycle:</b>	1	<b>SAR Drift during Scan:</b>	0.21 %
<b>Diode Compression Factors (V*200):</b>	20 / 20 / 20	<b>Probe battery last changed:</b>	(2.90V)
<b>Input Power Level:</b>	24dBm	<b>Extrapolation:</b>	poly4





### System Check Body 1900MHz

<b>System / software:</b>	SARA2 / 2.40 VPM	<b>Input Power Drift:</b>	0.01dB
<b>Date / Time:</b>	2008-7-30 7:45:55	<b>DUT Battery Model/No:</b>	
<b>Filename:</b>	System Cheek_Body _1900MHz.txt	<b>Probe Serial Number:</b>	0201
<b>Ambient Temperature:</b>	23.7°C	<b>Liquid Simulant:</b>	Body tissue
<b>Device Under Test:</b>	IXD-080antenna (250mw)	<b>Relative Permittivity:</b>	54.27
<b>Relative Humidity:</b>	57%	<b>Conductivity:</b>	1.382
<b>Phantom S/No:</b>	HeadBox75mm.csv	<b>Liquid Temperature:</b>	23.7°C
<b>Phantom Rotation:</b>	0°	<b>Max SAR X-axis Location:</b>	0.00 mm
<b>DUT Position:</b>	1900_Body	<b>Max SAR Y-axis Location:</b>	0.00 mm
<b>Antenna Configuration:</b>	IXD-080antenna	<b>Max E Field:</b>	73.06 V/m
<b>Test Frequency:</b>	1900MHz	<b>SAR 1g:</b>	10.108 W/kg
<b>Air Factors:</b>	354 / 376 / 470	<b>SAR 10g:</b>	5.490 W/kg
<b>Conversion Factors:</b>	.401 / .401 / .401	<b>SAR Start:</b>	1.577 W/kg
<b>Type of Modulation:</b>	/	<b>SAR End:</b>	1.577 W/kg
<b>Modn. Duty Cycle:</b>	1	<b>SAR Drift during Scan:</b>	0.38 %
<b>Diode Compression Factors (V*200):</b>	20 / 20 / 20	<b>Probe battery last changed:</b>	(2.90V)
<b>Input Power Level:</b>	24dBm	<b>Extrapolation:</b>	poly4

