CETECOM™

Appendix D

System / software:	SARA2 / 2.54 VPM coloc		Input Power Drift:	
Date / Time:	06/09/2008 10:32:51 AM		DUT Battery Model/No:	
Filename:	temp.txt		Probe Serial Number:	L0116
Ambient Temperature:	24.2°C		Liquid Simulant:	850
Device Under Test:	ECG Recorder		Relative Permittivity:	54.32
Relative Humidity:	47.5%		Conductivity:	0.988
Phantom S/No:	Head04_37.csv		Liquid Temperature:	22.3°C
Phantom Rotation:	180°		Max SAR X-axis Location:	22.00 mm
DUT Position:	Belt Clip 0mm		Max SAR Y-axis Location:	9.00 mm
Antenna Configuration:	Integral		Max E Field:	10.59 V/m
Test Frequency:	836.6MHz		SAR 1g:	0.264 W/kg
Air Factors:	504 / 365 / 331		SAR 10g:	
Conversion Factors:	.486 / .486 / .486		SAR Start:	0.123 W/kg
Type of Modulation:			SAR End:	0.128 W/kg
Modn. Duty Cycle:			SAR Drift during Scan:	3.24 %
Diode Compression Factors (V*200):	20 / 20 / 20		Probe battery last changed:	06/09/08
Input Power Level:	2 Uplink Timeslots		Extrapolation:	poly4
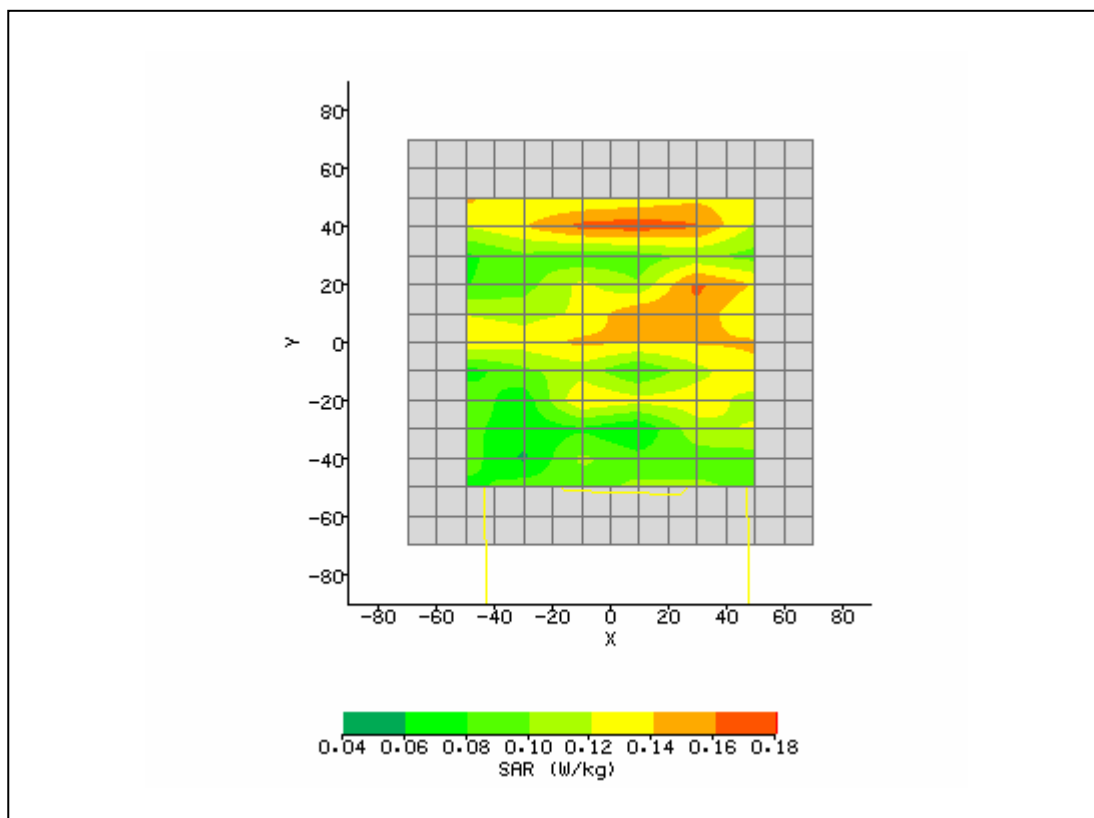
Appendix D

System / software:	SARA2 / 2.54 VPM coloc		Input Power Drift:	
Date / Time:	06/09/2008 10:58:19 AM		DUT Battery Model/No:	
Filename:	850_M_3d.txt		Probe Serial Number:	L0116
Ambient Temperature:	24.2°C		Liquid Simulant:	1900
Device Under Test:	ECG Recorder		Relative Permittivity:	52.90
Relative Humidity:	47.5%		Conductivity:	1.440
Phantom S/No:	Head04_37.csv		Liquid Temperature:	24.0°C
Phantom Rotation:	180°		Max SAR X-axis Location:	2.00 mm
DUT Position:	Belt Clip 0mm		Max SAR Y-axis Location:	10.00 mm
Antenna Configuration:	Integral		Max E Field:	10.77 V/m
Test Frequency:	1880MHz		SAR 1g:	0.177 W/kg
Air Factors:	504 / 365 / 331		SAR 10g:	
Conversion Factors:	.610 / .610 / .610		SAR Start:	0.104 W/kg
Type of Modulation:			SAR End:	0.109 W/kg
Modn. Duty Cycle:			SAR Drift during Scan:	4.49 %
Diode Compression Factors (V*200):	20 / 20 / 20		Probe battery last changed:	06/09/08
Input Power Level:	2 Uplink Timeslots		Extrapolation:	poly4
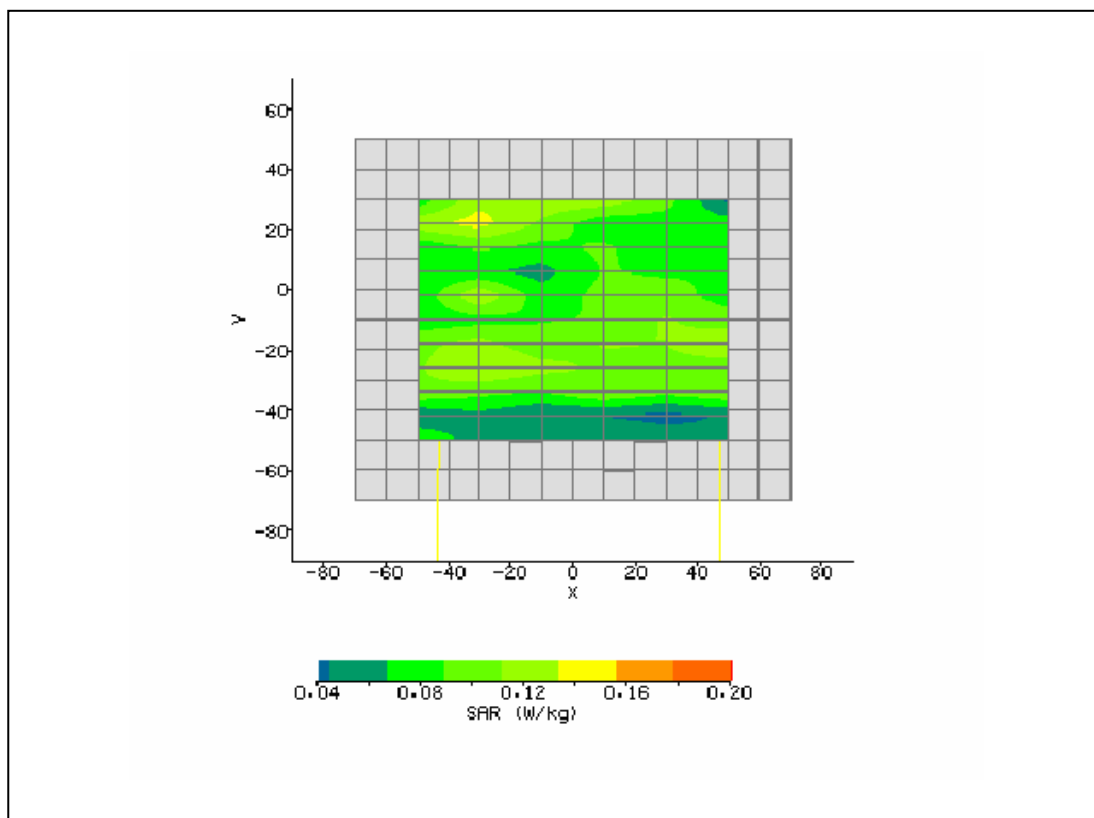
Appendix D

Tissue Parameters

850MHz Head liquid:

Recipe:
The following recipe is provided in percentage by weight.
49.46%   water
49.46%   DGBE
1.08%   salt

SAR measurements were made within 24 hours of the measurement of liquid parameters.

Date	Freq. (MHz)	Rel. Perm.	Condy (S/m)
06/09/2008	835	40.85	0.902

850MHz Body Liquid:

Recipe:
The following recipe is provided in percentage by weight.
49.8%   water
41.3%   DGBE
8.9%   salt

SAR measurements were made within 24 hours of the measurement of liquid parameters.

Date	Freq. (MHz)	Rel. Perm.	Condy (S/m)
06/09/2008	836.6	54.32	0.988

Appendix D

1900MHz Head liquid:

Recipe:
The following recipe is provided in percentage by weight.
54.9%   water
44.92%   DGBE
0.18%   salt

SAR measurements were made within 24 hours of the measurement of liquid parameters.

Date	Freq. (MHz)	Rel. Perm.	Condy (S/m)
06/09/2008	1900	39.78	1.416

1900MHz Body Liquid:

Recipe:
The following recipe is provided in percentage by weight.
69.17%   water
30.29%   DGBE
0.54%   salt

SAR measurements were made within 24 hours of the measurement of liquid parameters.

Date	Freq. (MHz)	Rel. Perm.	Condy (S/m)
06/09/2008	1880	52.90	1.440

Appendix D

Test Equipment

Instrument description	Supplier / Manufacturer	Model	Serial No.	Calibration (date)	Calibration Due (date)
Bench top Robot	Mitsubishi supplied by IndexSAR	RV-E2	EA1030108	N/A	N/A
SAM Phantom	Upright shell phantom made by Antennessa digitized and mounted by IndexSAR	SAM	03FT26	04/03	N/A
Flat Phantom	IndexSAR	HeadBox_1	N/A	N/A	N/A
Software	IndexSAR	SARA2 v0.420	N/A	N/A	N/A
850 MHz Head Tissue Simulant	Cetecom Inc.	850 Head	N/A	5/19/2008	N/A
850 MHz Body Tissue Simulant	Cetecom Inc.	850 Body	N/A	5/19/2008	N/A
1900 MHz Head Tissue Simulant	Cetecom Inc.	1900 Head	N/A	5/19/2008	N/A
1900 MHz Body Tissue Simulant	Cetecom Inc.	1900 Body	N/A	5/19/2008	N/A
835 MHz Dipole	IndexSAR – IEEE 1528 design	IXDA-083	0016	08/14/2007	08/14/2008
1900 MHz Dipole	IndexSAR – IEEE 1528 design	IXDA-188	0016	08/15/2007	08/15/2008
Directional coupler	Werlatone	C6529	11249	N/A	N/A
RF Amplifier	Vectawave	VTL5400	N/A	N/A	N/A
SAR Probe	IndexSAR	IXP-050	S/N 0116	2/13/2008	2/13/2009
Dielectric Measurement Kit	IndexSAR	Di-Line	N/A	N/A	N/A