

Appendix C

Tissue Parameters

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)
08/25/2009	836.52	54.04	1.012

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)
07/21/2009	1880	52.97	1.513

Appendix C

2450MHz Body Liquid:

Recipe:

73.3% water
12.88% DGBE
12.88% triton X-100
0.94% salt

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

Date	Freq. (MHz)	Rel. Perm.	Condy (S/m)
07/21/2009	2437	49.33	1.958

Appendix C

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 Body Tissue Simulant	Cetecom Inc.	850 Body	N/A	7/22/2009	N/A
1900 MHz Body Tissue Simulant	Cetecom Inc.	1900 Body	N/A	7/21/2009	N/A
2450 MHz Body Tissue Simulant	Cetecom Inc.	2450 Body	N/A	7/21/2009	N/A
835 MHz Dipole	IndexSAR – IEEE 1528 design	IXDA-083	0016	02/13/2009	02/13/2010
1900 MHz Dipole	IndexSAR – IEEE 1528 design	IXDA-188	0016	02/13/2009	02/13/2010
2450 MHz Dipole	IndexSAR – IEEE 1528 design	IXD-245	0016	02/13/2009	02/13/2010
Directional coupler	Werlatone	C6529	11249	N/A	N/A
RF Amplifier	Vectawave	VTL5400	N/A	N/A	N/A
SAR Probe	IndexSAR	IXP-030	S/N M0024	2/05/2009	2/05/2010
Dielectric Measurement Kit	IndexSAR	Di-Line	N/A	N/A	N/A