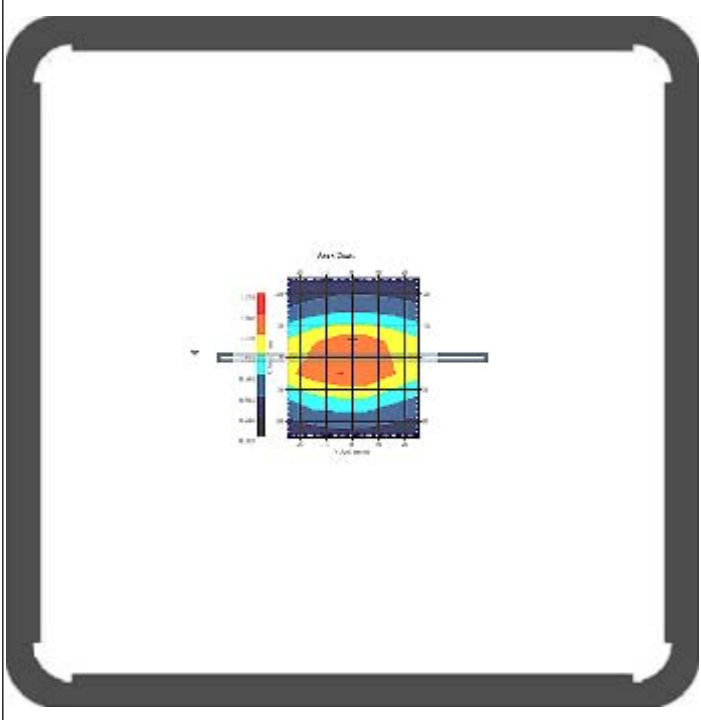
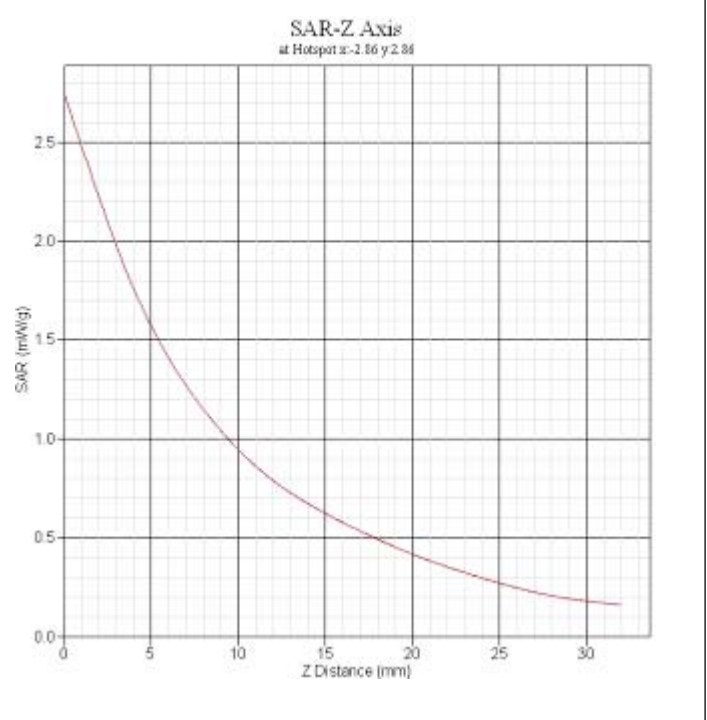
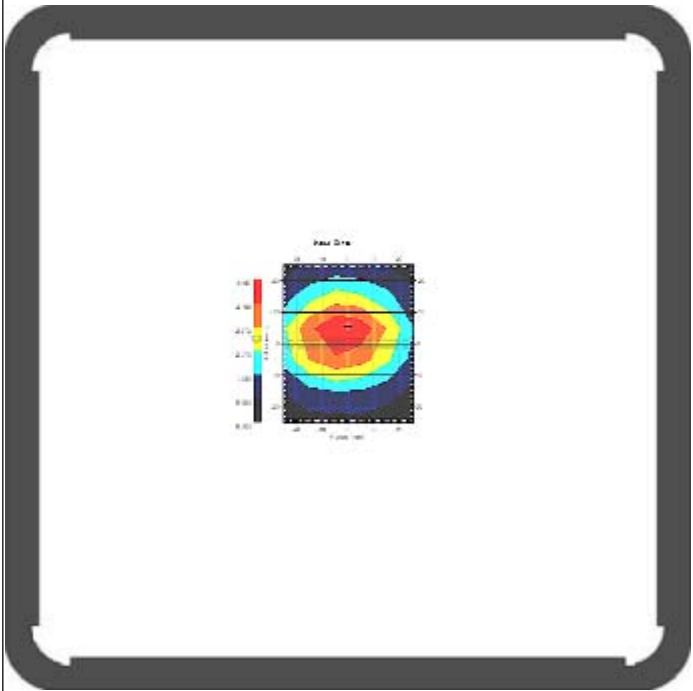
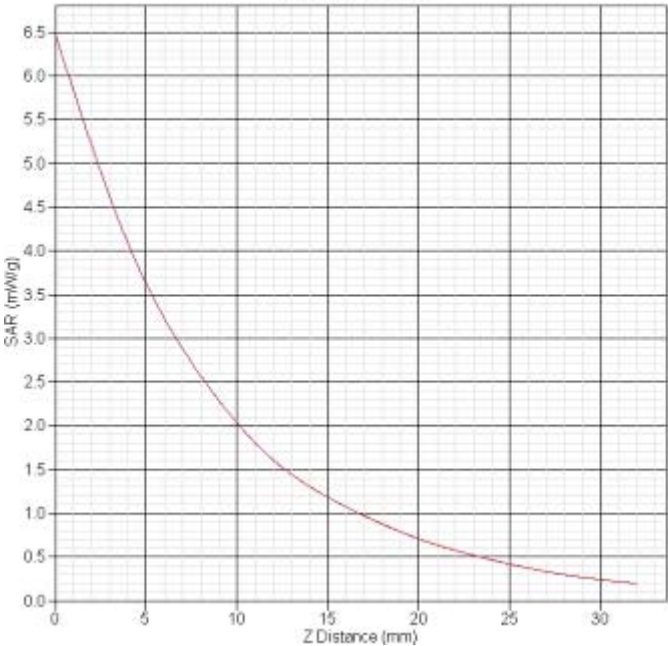


Head Validation Result

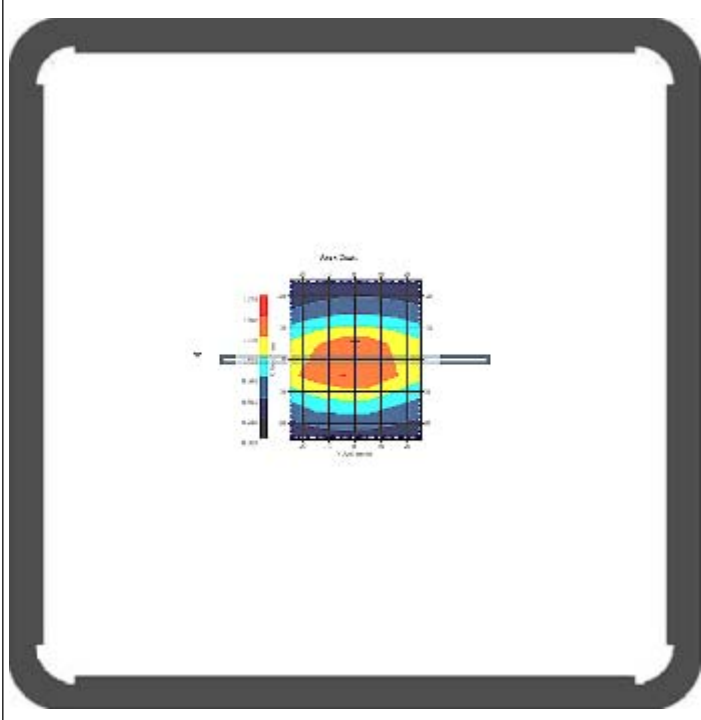
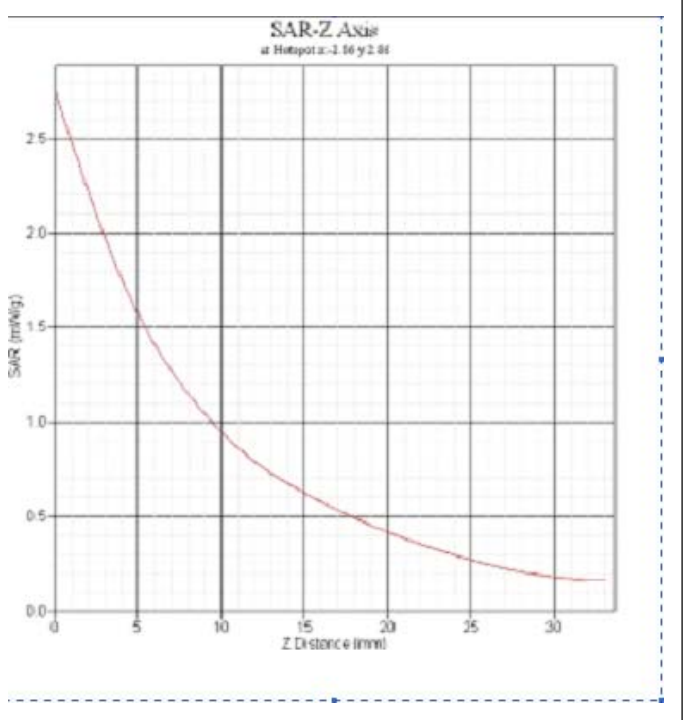
System Performance Check at 835MHz&1900MHz			
Validation Kit: ASL-D-835-S-2			
Frequency(MHz)	Description	SAR(W/Kg) 1g	Tissue Temp.(°C)
Head 835 MHz	Reference result	9.590	N/A
	+/-10% window	8.631 ~10.55	
	15-Dec-11(0.1W)	0.987	21.0
Validation Kit: ASL-D-1900-S-2			
Frequency(MHz)	Description	SAR(W/Kg) 1g	Tissue Temp.(°C)
Head 1900 MHz	Reference result	39.378	N/A
	+/-10% window	35.44 ~ 43.32	
	15-Dec-11(0.1W)	3.947	21.0
Note: All SAR values are normalized to 0.1W forward power.			

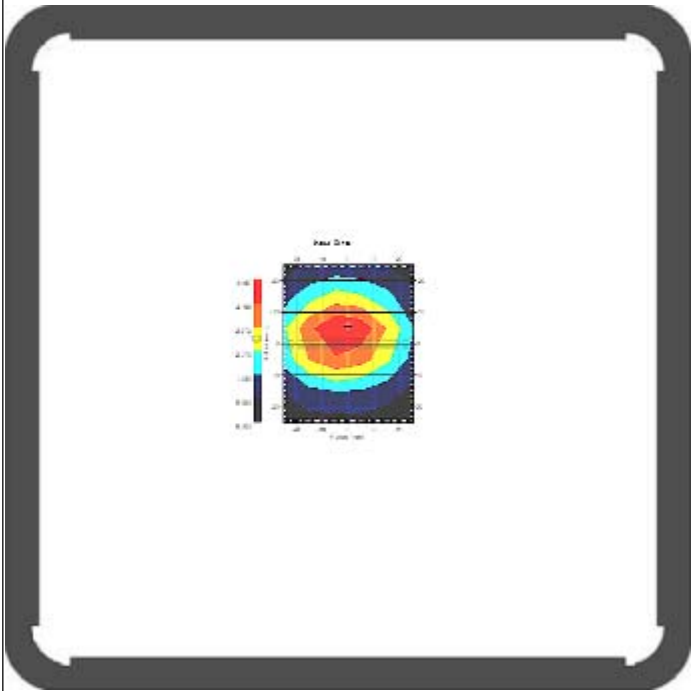
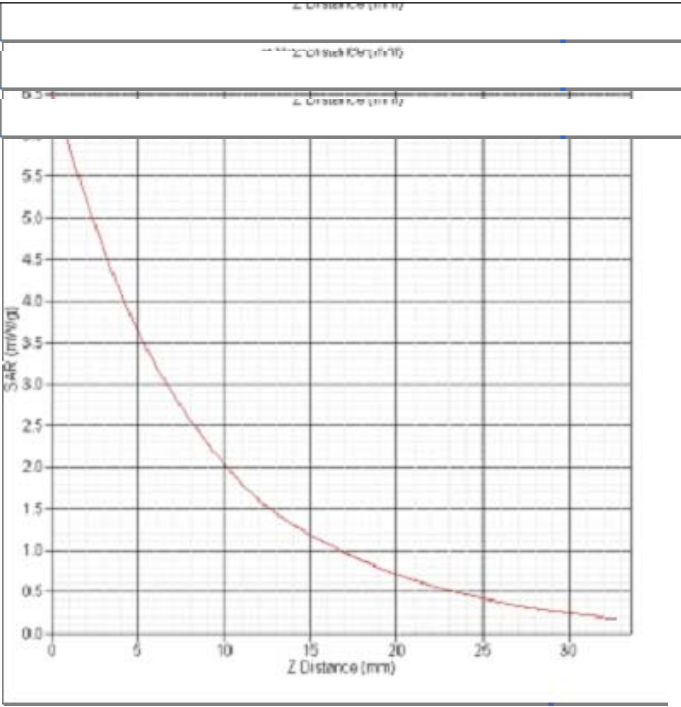
Frequency(MHz)	835
Relative permittivity(real part)	41.02
Conductivity(S/m)	0.90
Variation(%)	0.083
Duty Cycle Factor	1
Crest factor	1
Conversion Fator	6.8
Probe Sensitivity	1.20 1.20 1.20 μ V/(V/m) ²
Data	2011-12-15
	
SAR 1g(W/Kg)	0.987
SAR 10g(W/Kg)	0.682

Frequency(MHz)	1900																
Relative permittivity(real part)	38.27																
Conductivity(S/m)	1.36																
Variation(%)	1.083																
Duty Cycle Factor	1																
Crest factor	1																
Conversion Fator	4.6																
Probe Sensitivity	1.20 1.20 1.20 μ V/(V/m) ²																
Data	2011-12-15																
	<p>SAR-Z Axis at Hotspot x: 4.99 y: 5.08</p>  <table border="1"><caption>SAR-Z Axis Data Points (Estimated)</caption><thead><tr><th>Z Distance (mm)</th><th>SAR (mW/kg)</th></tr></thead><tbody><tr><td>0</td><td>6.5</td></tr><tr><td>5</td><td>3.5</td></tr><tr><td>10</td><td>2.0</td></tr><tr><td>15</td><td>1.2</td></tr><tr><td>20</td><td>0.7</td></tr><tr><td>25</td><td>0.4</td></tr><tr><td>30</td><td>0.2</td></tr></tbody></table>	Z Distance (mm)	SAR (mW/kg)	0	6.5	5	3.5	10	2.0	15	1.2	20	0.7	25	0.4	30	0.2
Z Distance (mm)	SAR (mW/kg)																
0	6.5																
5	3.5																
10	2.0																
15	1.2																
20	0.7																
25	0.4																
30	0.2																
SAR 1g(W/Kg)	3.947																
SAR 10g(W/Kg)	1.959																

Body Validation Result

System Performance Check at 835MHz&1900MHz			
Validation Kit: ASL-D-835-S-2			
Frequency(MHz)	Description	SAR(W/Kg) 1g	Tissue Temp.(°C)
Body 835 MHz	Reference result	9.981	N/A
	+/-10% window	8.98 ~ 10.98	
	15-Dec-11(0.1W)	0.989	21.0
Validation Kit: ASL-D-1900-S-2			
Frequency(MHz)	Description	SAR(W/Kg) 1g	Tissue Temp.(°C)
Body 1900 MHz	Reference result	39.654	N/A
	+/-10% window	35.69 ~ 43.62	
	15-Dec-11(0.1W)	3.876	21.0
Note: All SAR values are normalized to 0.1W forward power.			

Frequency(MHz)	835
Relative permittivity(real part)	51.65
Conductivity(S/m)	0.97
Variation(%)	0.012
Duty Cycle Factor	1
Crest factor	1
Conversion Fator	6.8
Probe Sensitivity	1.20 1.20 1.20 μ V/(V/m) ²
Data	2011-12-15
	
SAR 1g(W/Kg)	0.989
SAR 10g(W/Kg)	0.701

Frequency(MHz)	1900
Relative permittivity(real part)	50.53
Conductivity(S/m)	1.56
Variation(%)	1.124
Duty Cycle Factor	1
Crest factor	1
Conversion Fator	4.6
Probe Sensitivity	1.20 1.20 1.20 μ V/(V/m) ²
Data	2011-12-15
	
SAR 1g(W/Kg)	3.876
SAR 10g(W/Kg)	1.877