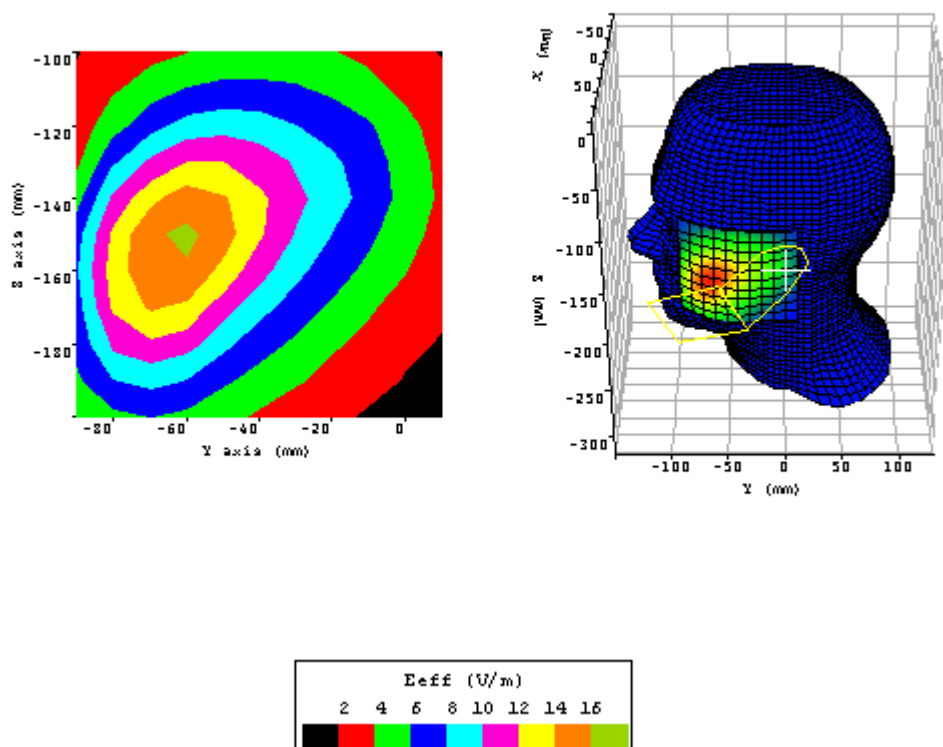


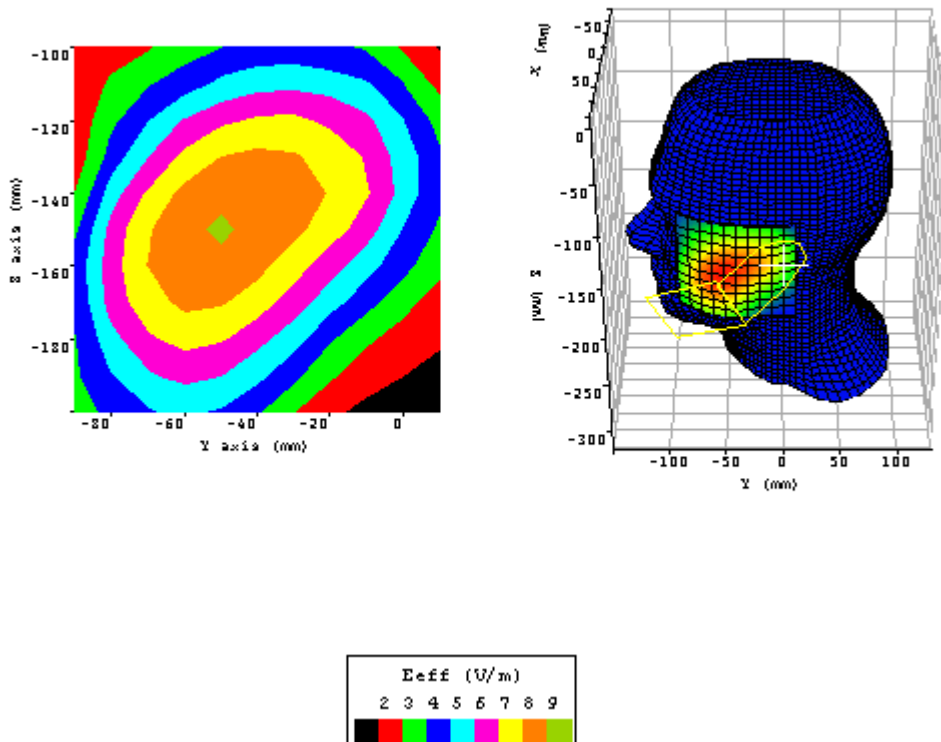
Appendix A Measurement Plots**850 MHz Band Head SAR Plots:**

Plot 1.		
Date:	04/21/2003	
Temperature Air / Liquid:	21.2°C / 21.2°C	
Liquid mass density (ρ):	1	
DCP ¹	X=9, Y=13.6, Z=8.7	
Probe S/N:0123 Air Factor	X=346, Y=318, Z=386	
Probe S/N:0123 liquid/air conversion Factor	0.401	
Simulated tissue dielectric parameters:	ϵ_r : 41.76	σ : 0.893
Position:	Left touch	
Channel / Frequency	190 / 836.6 MHz	
Maximum 1 gram SAR:	0.297W/Kg	
Maximum 10 gram SAR:	0.202W/Kg	
Power reference start:	0.161W/Kg	
Power reference end	0.159W/Kg	
Power reference change ²	-1.21%	

¹ DCP: Diode compression potential for different types of modulation is determined during the calibration of the probe. See section 6.2 of this report *Probe and Amplifier Specification*. Crest factor is not used.

² The power reference change is calculated by the test system with more digits than indicated in the power reference start and end values.

Appendix A Measurement Plots

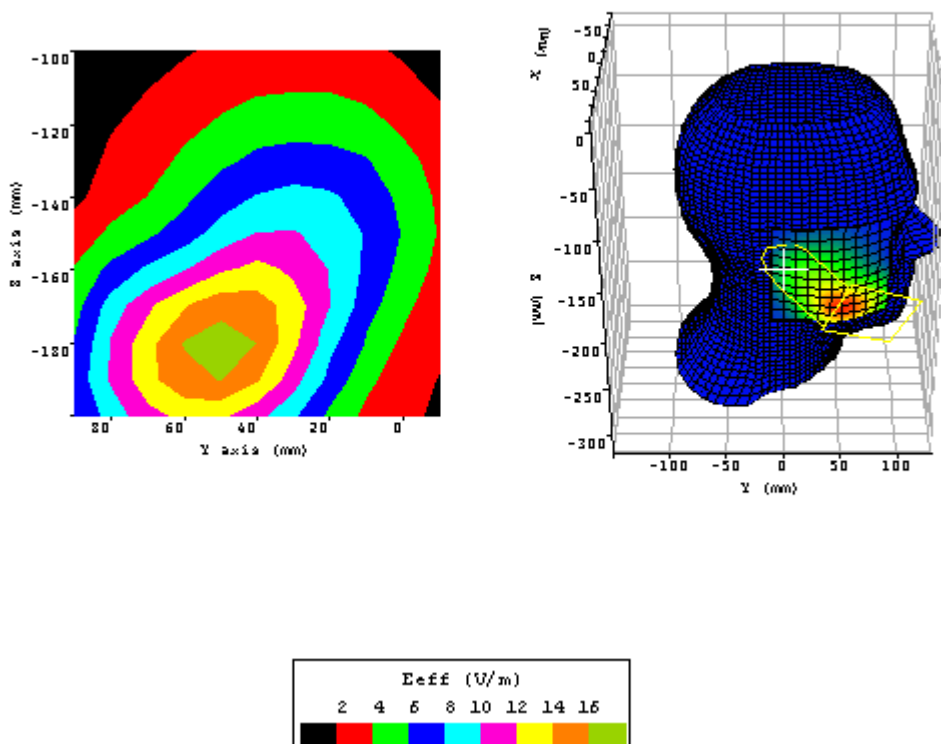


Plot 2.		
Date:	04/21/2003	
Temperature Air / Liquid:	21.2°C / 21.2°C	
Liquid mass density (ρ):	1	
DCP ¹	X=9, Y=13.6, Z=8.7	
Probe S/N:0123 Air Factor	X=346, Y=318, Z=386	
Probe S/N:0123 liquid/air conversion Factor	0.401	
Simulated tissue dielectric parameters:	ϵ_r : 41.76	σ : 0.893
Position:	Left tilt	
Channel / Frequency	190 / 836.6 MHz	
Maximum 1 gram SAR:	0.089W/kg	
Maximum 10 gram SAR:	0.067 W/kg	
Power reference start:	0.050 W/kg	
Power reference end	0.051 W/kg	
Power reference change ²	2.65%	

¹ DCP: Diode compression potential for different types of modulation is determined during the calibration of the probe. See section 6.2 of this report *Probe and Amplifier Specification*. Crest factor is not used.

² The power reference change is calculated by the test system with more digits than indicated in the power reference start and end values.

Appendix A Measurement Plots

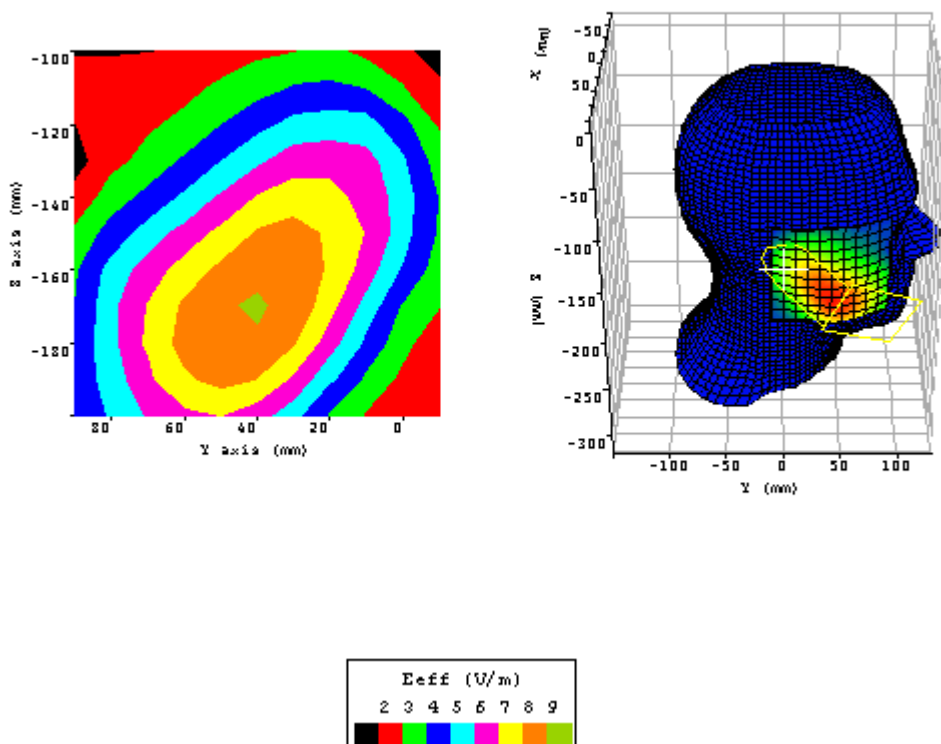


Plot 3.		
Date:	04/21/2003	
Temperature Air / Liquid:	21.2°C / 21.2°C	
Liquid mass density (ρ):	1	
DCP ¹	X=9, Y=13.6, Z=8.7	
Probe S/N:0123 Air Factor	X=346, Y=318, Z=386	
Probe S/N:0123 liquid/air conversion Factor	0.401	
Simulated tissue dielectric parameters:	ϵ_r : 41.76	σ : 0.893
Position:	Right touch	
Channel / Frequency	190 / 836.6 MHz	
Maximum 1 gram SAR:	0.301W/kg	
Maximum 10 gram SAR:	0.205W/kg	
Power reference start:	0.159 W/kg	
Power reference end	0.153 W/kg	
Power reference change ²	-3.33%	

¹ DCP: Diode compression potential for different types of modulation is determined during the calibration of the probe. See section 6.2 of this report *Probe and Amplifier Specification*. Crest factor is not used.

² The power reference change is calculated by the test system with more digits than indicated in the power reference start and end values.

Appendix A Measurement Plots

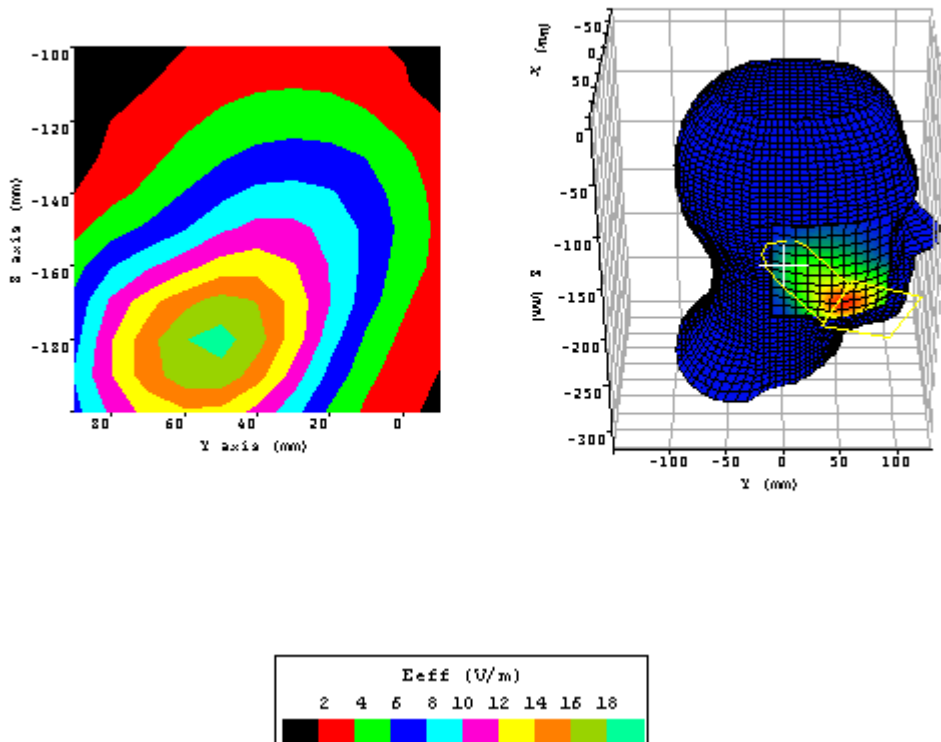


Plot 4.		
Date:	04/21/2003	
Temperature Air / Liquid:	21.2°C / 21.2°C	
Liquid mass density (ρ):	1	
DCP ¹	X=9, Y=13.6, Z=8.7	
Probe S/N:0123 Air Factor	X=346, Y=318, Z=386	
Probe S/N:0123 liquid/air conversion Factor	0.401	
Simulated tissue dielectric parameters:	ϵ_r : 41.76	σ : 0.893
Position:	Right tilt	
Channel / Frequency	190 / 836.6 MHz	
Maximum 1 gram SAR:	0.085 W/kg	
Maximum 10 gram SAR:	0.065 W/kg	
Power reference start:	0.050 W/kg	
Power reference end	0.050 W/kg	
Power reference change ²	0.00 %	

¹ DCP: Diode compression potential for different types of modulation is determined during the calibration of the probe. See section 6.2 of this report *Probe and Amplifier Specification*. Crest factor is not used.

² The power reference change is calculated by the test system with more digits than indicated in the power reference start and end values.

Appendix A Measurement Plots

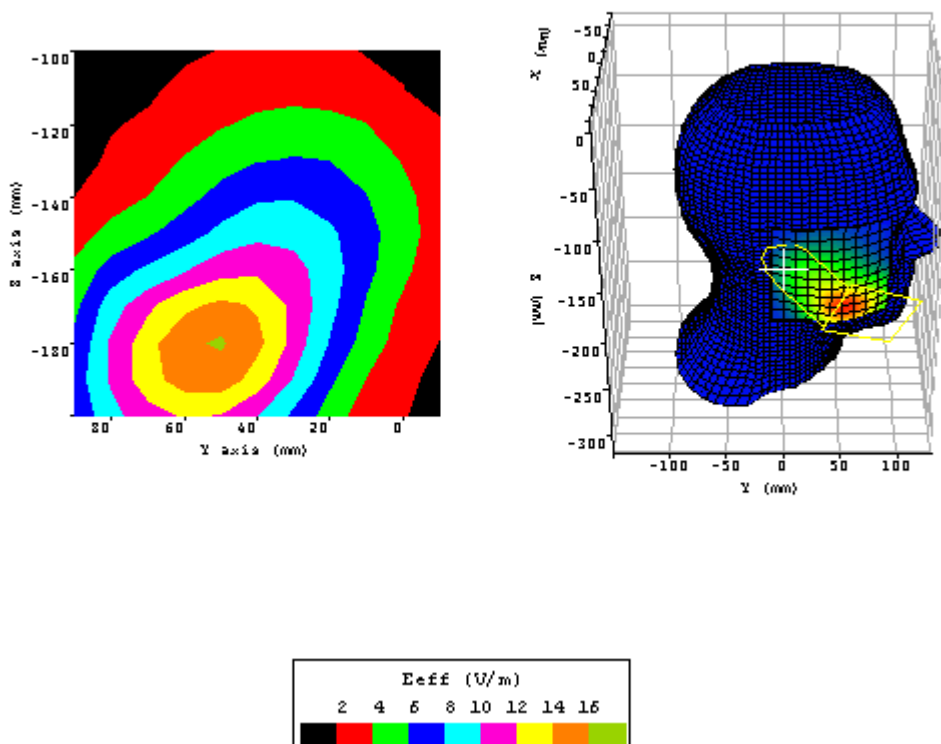


Plot 5.		
Date:	04/21/2003	
Temperature Air / Liquid:	21.2°C / 21.2°C	
Liquid mass density (ρ):	1	
DCP ¹	X=9, Y=13.6, Z=8.7	
Probe S/N:0123 Air Factor	X=346, Y=318, Z=386	
Probe S/N:0123 liquid/air conversion Factor	0.401	
Simulated tissue dielectric parameters:	ϵ_r : 42.01	σ : 0.888
Position:	Right touch	
Channel / Frequency	128 / 824.2MHz	
Maximum 1 gram SAR:	0.356W/Kg	
Maximum 10 gram SAR:	0.241W/Kg	
Power reference start:	0.186W/Kg	
Power reference end	0.186W/Kg	
Power reference change ²	-0.02%	

¹ DCP: Diode compression potential for different types of modulation is determined during the calibration of the probe. See section 6.2 of this report *Probe and Amplifier Specification*. Crest factor is not used.

² The power reference change is calculated by the test system with more digits than indicated in the power reference start and end values.

Appendix A Measurement Plots



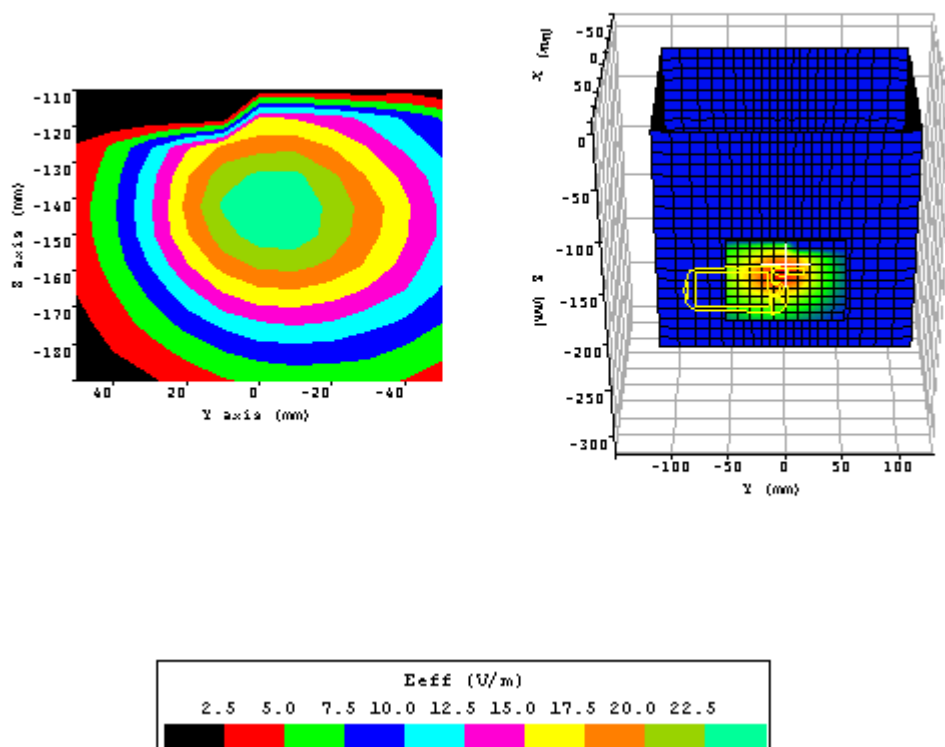
Plot 6.		
Date:	04/21/2003	
Temperature Air / Liquid:	21.2°C / 21.2°C	
Liquid mass density (ρ):	1	
DCP ¹	X=9, Y=13.6, Z=8.7	
Probe S/N:0123 Air Factor	X=346, Y=318, Z=386	
Probe S/N:0123 liquid/air conversion Factor	0.401	
Simulated tissue dielectric parameters:	ϵ_r : 41.40	σ : 0.913
Position:	Right touch retracted	
Channel / Frequency	251 / 848.8 MHz	
Maximum 1 gram SAR:	0.283W/Kg	
Maximum 10 gram SAR:	0.191W/Kg	
Power reference start:	0.143W/Kg	
Power reference end	0.143W/Kg	
Power reference change ²	0.00%	

¹ DCP: Diode compression potential for different types of modulation is determined during the calibration of the probe. See section 6.2 of this report *Probe and Amplifier Specification*. Crest factor is not used.

² The power reference change is calculated by the test system with more digits than indicated in the power reference start and end values.

Appendix A Measurement Plots

850 MHz Band Body SAR plots:

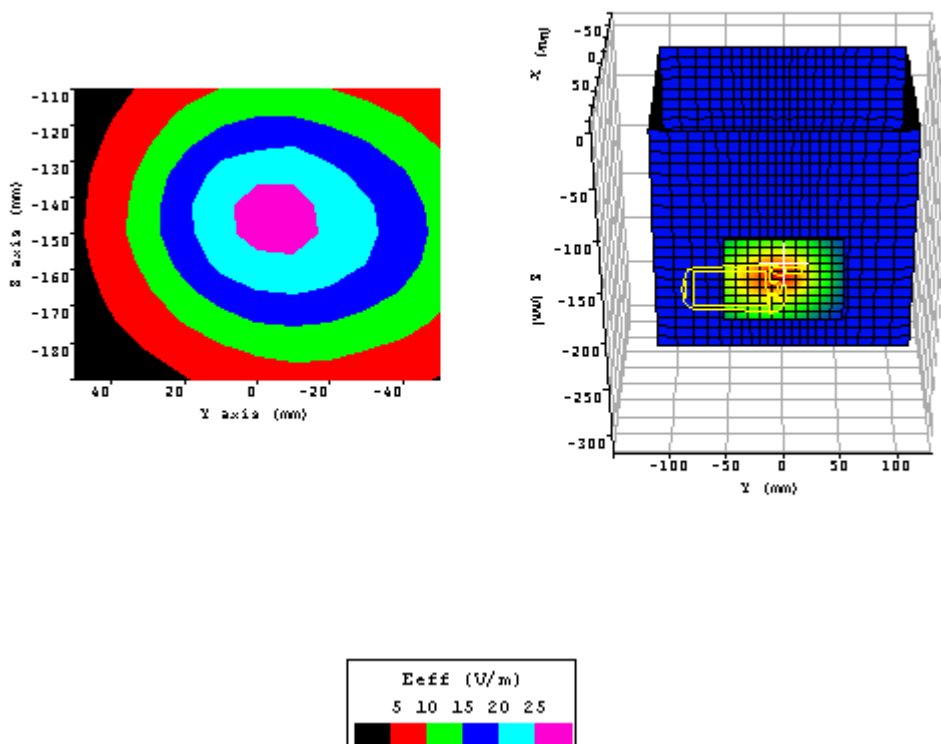


Plot 7.		
Date:	04/22/2003	
Temperature Air / Liquid:	214°C / 21.2°C	
Liquid mass density (ρ):	1	
DCP ¹	X=9, Y=13.6, Z=8.7	
Probe S/N:0123 Air Factor	X=346, Y=318, Z=386	
Probe S/N:0123 liquid/air conversion Factor	0.466	
Simulated tissue dielectric parameters:	ϵ_r : 55.24	σ : 0.993
Position:	Body	
Channel / Frequency	190 / 836.6MHz	
Maximum 1 gram SAR:	0.840W/Kg	
Maximum 10 gram SAR:	0.544W/Kg	
Power reference start:	0.338W/Kg	
Power reference end	0.338W/Kg	
Power reference change ²	0.00%	

¹ DCP: Diode compression potential for different types of modulation is determined during the calibration of the probe. See section 6.2 of this report *Probe and Amplifier Specification*. Crest factor is not used.

² The power reference change is calculated by the test system with more digits than indicated in the power reference start and end values.

Appendix A Measurement Plots

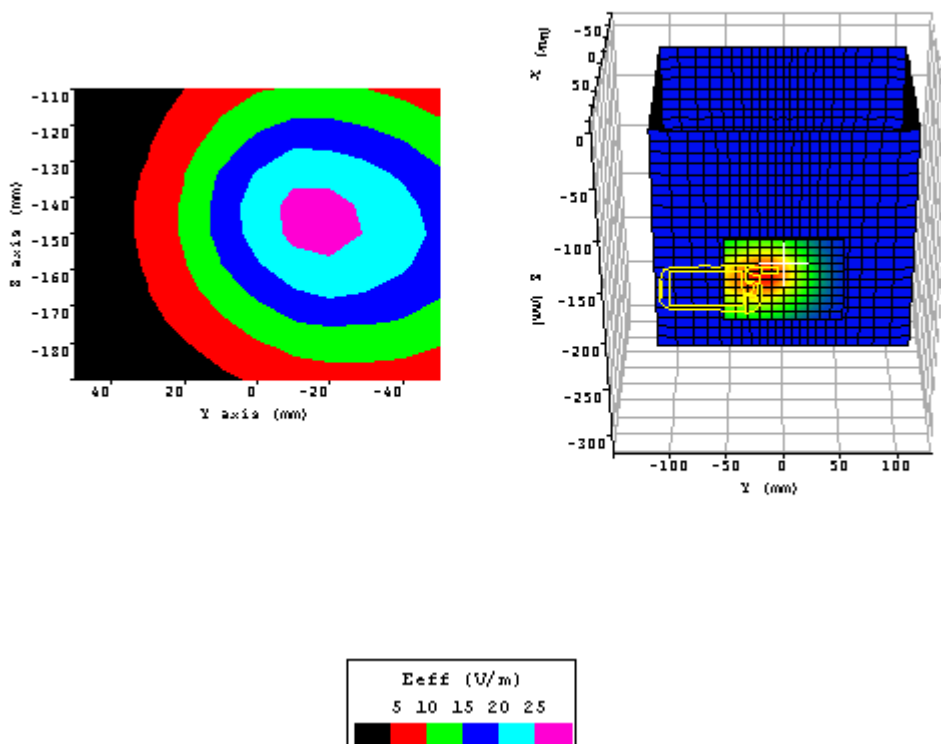


Plot 8.		
Date:	04/22/2003	
Temperature Air / Liquid:	214°C / 21.2°C	
Liquid mass density (ρ):	1	
DCP ¹	X=9, Y=13.6, Z=8.7	
Probe S/N:0123 Air Factor	X=346, Y=318, Z=386	
Probe S/N:0123 liquid/air conversion Factor	0.466	
Simulated tissue dielectric parameters:	ϵ_r : 55.68	σ : 0.980
Position:	Body	
Channel / Frequency	128 / 824.2MHz	
Maximum 1 gram SAR:	0.899W/Kg	
Maximum 10 gram SAR:	0.584W/Kg	
Power reference start:	0.399W/Kg	
Power reference end	0.391W/Kg	
Power reference change ²	-1.84%	

¹ DCP: Diode compression potential for different types of modulation is determined during the calibration of the probe. See section 6.2 of this report *Probe and Amplifier Specification*. Crest factor is not used.

² The power reference change is calculated by the test system with more digits than indicated in the power reference start and end values.

Appendix A Measurement Plots



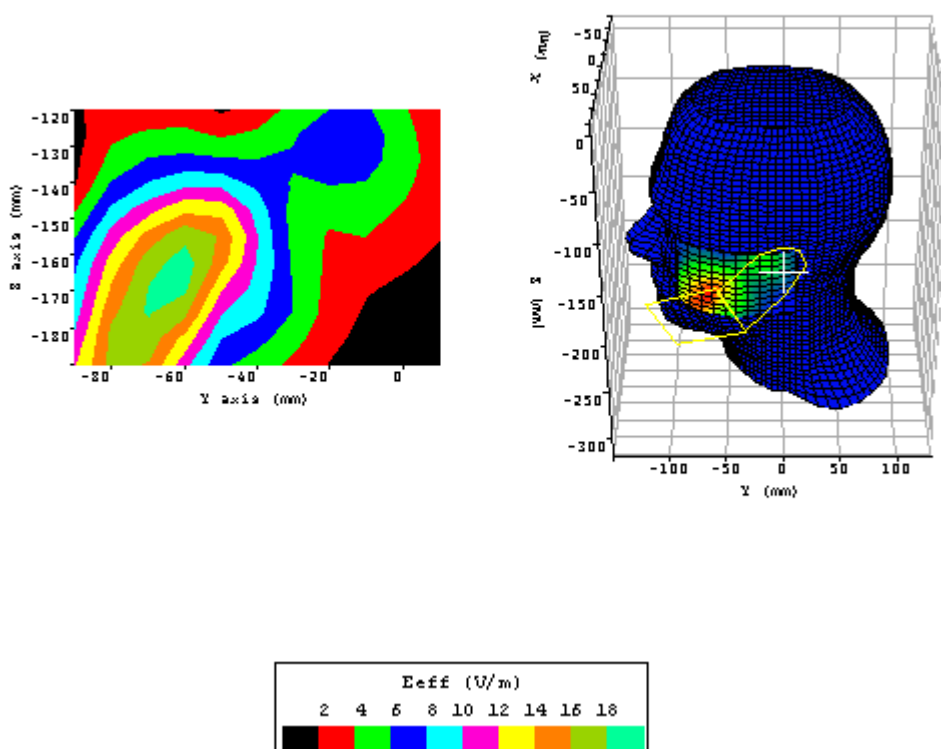
Plot 9.		
Date:	04/22/2003	
Temperature Air / Liquid:	214°C / 21.2°C	
Liquid mass density (ρ):	1	
DCP ¹	X=9, Y=13.6, Z=8.7	
Probe S/N:0123 Air Factor	X=346, Y=318, Z=386	
Probe S/N:0123 liquid/air conversion Factor	0.466	
Simulated tissue dielectric parameters:	ϵ_r : 55.06	σ : 0.992
Position:	Body	
Channel / Frequency	251 / 848.8MHz	
Maximum 1 gram SAR:	0.866W/Kg	
Maximum 10 gram SAR:	0.571W/Kg	
Power reference start:	0.388W/Kg	
Power reference end	0.382W/Kg	
Power reference change ²	1.30%	

¹ DCP: Diode compression potential for different types of modulation is determined during the calibration of the probe. See section 6.2 of this report *Probe and Amplifier Specification*. Crest factor is not used.

² The power reference change is calculated by the test system with more digits than indicated in the power reference start and end values.

Appendix A Measurement Plots

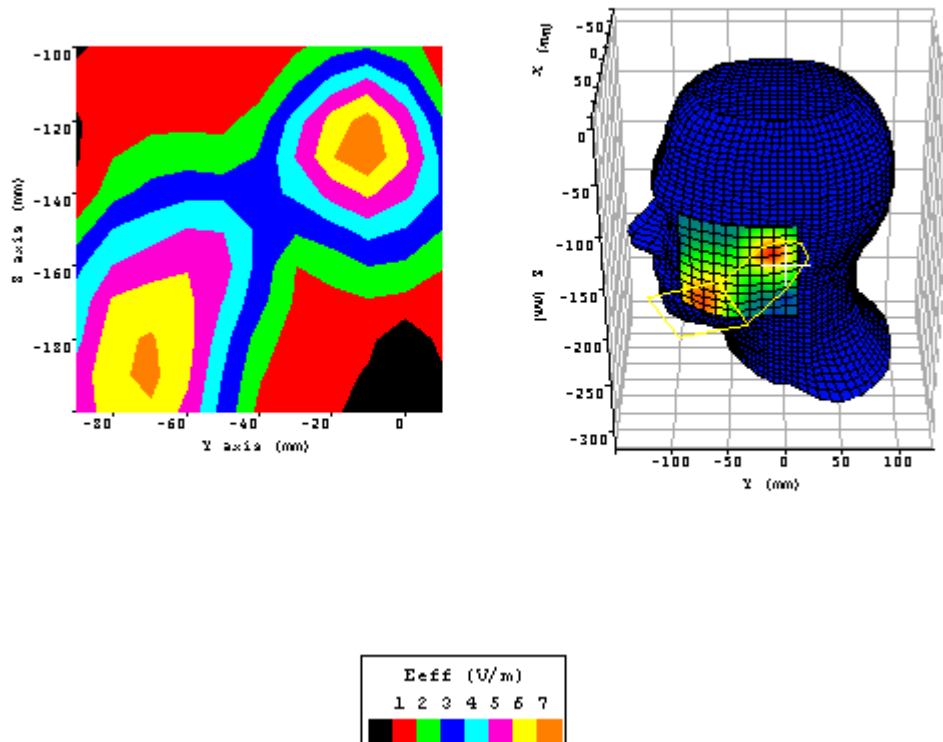
1900 MHz Band Head SAR Plots:



Plot 10.		
Date:	04/21/2003	
Temperature Air / Liquid:	21.2°C / 21.2°C	
Liquid mass density (ρ):	1	
DCP ¹	X=9, Y=13.6, Z=8.7	
Probe S/N:0123 Air Factor	X=346, Y=318, Z=386	
Probe S/N:0123 liquid/air conversion Factor	0.562	
Simulated tissue dielectric parameters:	ϵ_r : 39.75	σ : 1.411
Position:	Left touch	
Channel / Frequency	661 / 1880 MHz	
Maximum 1 gram SAR:	0.626W/Kg	
Maximum 10 gram SAR:	0.402W/Kg	
Power reference start:	0.274W/Kg	
Power reference end	0.282W/Kg	
Power reference change ²	3.21%	

¹ DCP: Diode compression potential for different types of modulation is determined during the calibration of the probe. See section 6.2 of this report *Probe and Amplifier Specification*. Crest factor is not used.

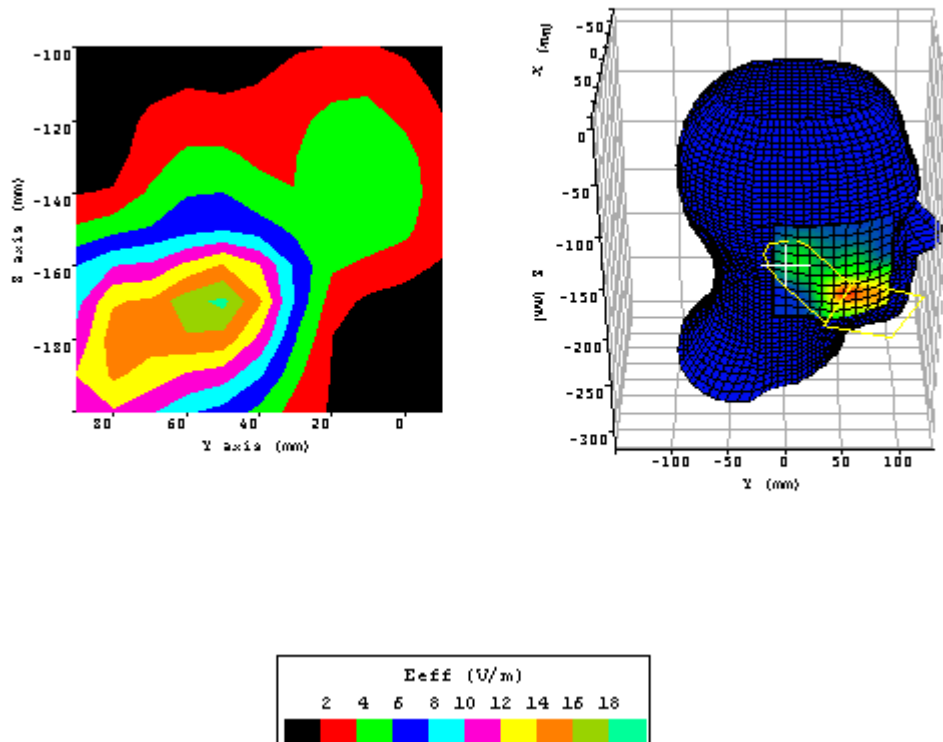
² The power reference change is calculated by the test system with more digits than indicated in the power reference start and end values.

Appendix A Measurement Plots

Plot 11.		
Date:	04/21/2003	
Temperature Air / Liquid:	21.2°C / 21.2°C	
Liquid mass density (ρ):	1	
DCP ¹	X=9, Y=13.6, Z=8.7	
Probe S/N:0123 Air Factor	X=346, Y=318, Z=386	
Probe S/N:0123 liquid/air conversion Factor	0.562	
Simulated tissue dielectric parameters:	ϵ_r : 39.75	σ : 1.411
Position:	Left tilt	
Channel / Frequency	661 / 1880 MHz	
Maximum 1 gram SAR:	0.108W/Kg	
Maximum 10 gram SAR:	0.060W/Kg	
Power reference start:	0.038W/Kg	
Power reference end	0.038W/Kg	
Power reference change ²	0.00%	

¹ DCP: Diode compression potential for different types of modulation is determined during the calibration of the probe. See section 6.2 of this report *Probe and Amplifier Specification*. Crest factor is not used.

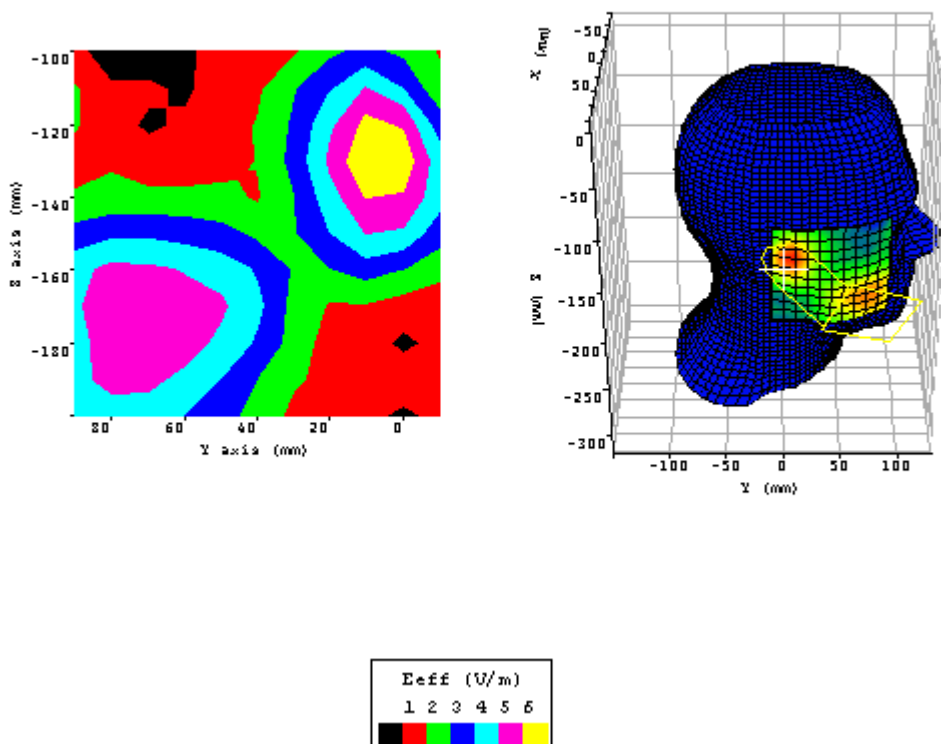
² The power reference change is calculated by the test system with more digits than indicated in the power reference start and end values.

Appendix A Measurement Plots

Plot 12.		
Date:	04/21/2003	
Temperature Air / Liquid:	21.2°C / 21.2°C	
Liquid mass density (ρ):	1	
DCP ¹	X=9, Y=13.6, Z=8.7	
Probe S/N:0123 Air Factor	X=346, Y=318, Z=386	
Probe S/N:0123 liquid/air conversion Factor	0.562	
Simulated tissue dielectric parameters:	ϵ_r : 39.75	σ : 1.411
Position:	Right touch	
Channel / Frequency	661 / 1880 MHz	
Maximum 1 gram SAR:	0.554W/Kg	
Maximum 10 gram SAR:	0.318W/Kg	
Power reference start:	0.217W/Kg	
Power reference end	0.210W/Kg	
Power reference change ²	-3.28%	

¹ DCP: Diode compression potential for different types of modulation is determined during the calibration of the probe. See section 6.2 of this report *Probe and Amplifier Specification*. Crest factor is not used.

² The power reference change is calculated by the test system with more digits than indicated in the power reference start and end values.

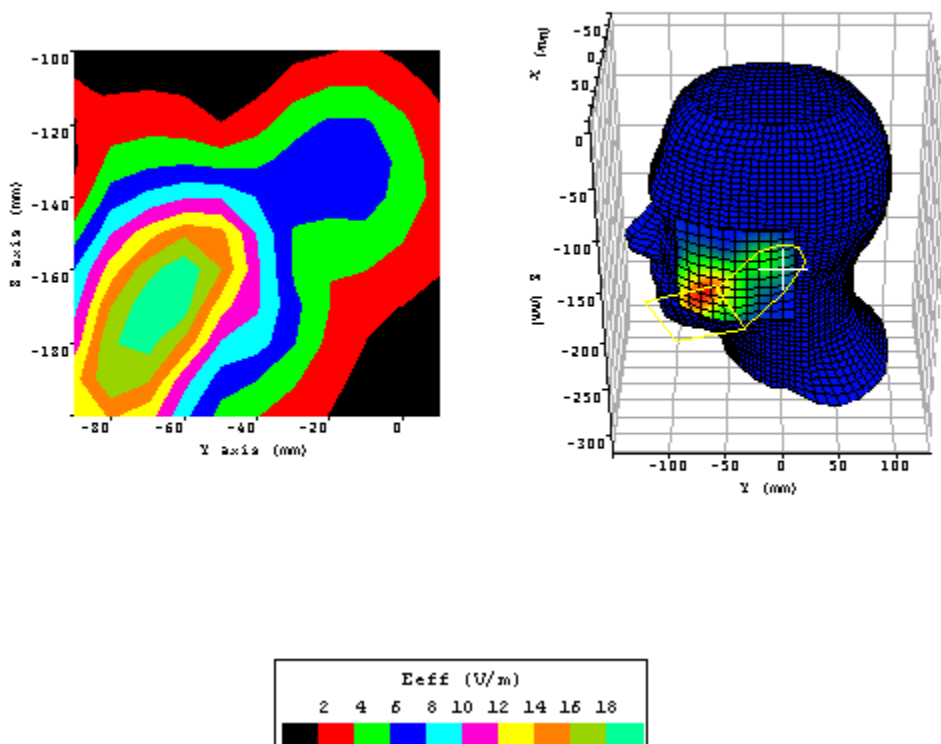
Appendix A Measurement Plots

Plot 13.		
Date:	04/21/2003	
Temperature Air / Liquid:	21.2°C / 21.2°C	
Liquid mass density (ρ):	1	
DCP ¹	X=9, Y=13.6, Z=8.7	
Probe S/N:0123 Air Factor	X=346, Y=318, Z=386	
Probe S/N:0123 liquid/air conversion Factor	0.562	
Simulated tissue dielectric parameters:	ϵ_r : 39.75	σ : 1.411
Position:	Right tilt	
Channel / Frequency	661 / 1880 MHz	
Maximum 1 gram SAR:	0.082W/Kg	
Maximum 10 gram SAR:	0.049W/Kg	
Power reference start:	0.038W/Kg	
Power reference end	0.038W/Kg	
Power reference change ²	0.00%	

¹ DCP: Diode compression potential for different types of modulation is determined during the calibration of the probe. See section 6.2 of this report *Probe and Amplifier Specification*. Crest factor is not used.

² The power reference change is calculated by the test system with more digits than indicated in the power reference start and end values.

Appendix A Measurement Plots

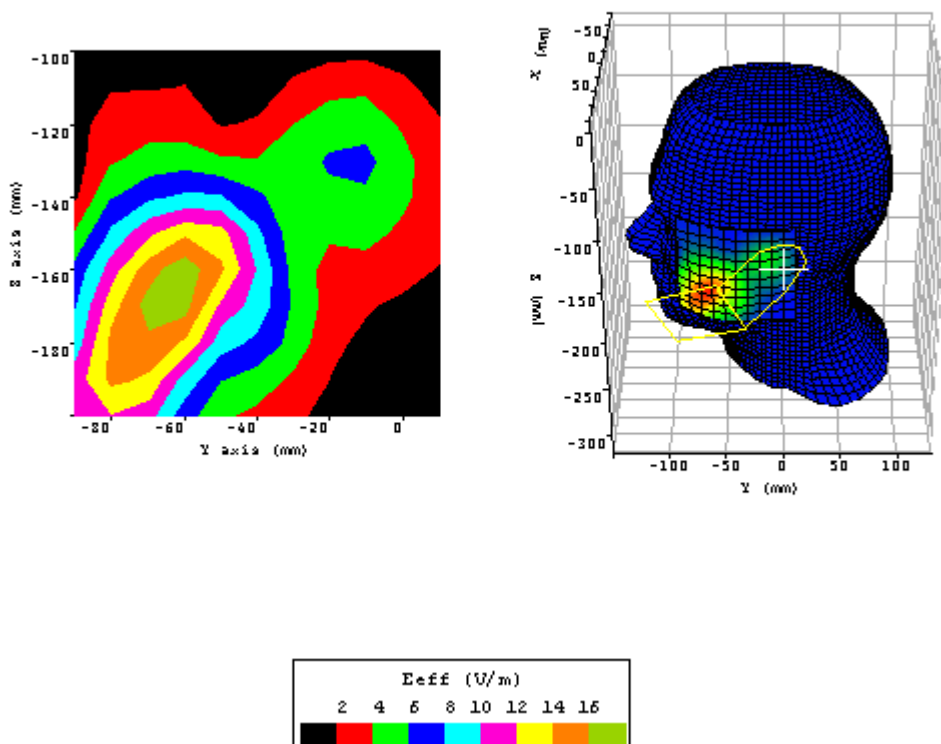


Plot 14.

Date:	04/21/2003
Temperature Air / Liquid:	21.2°C / 21.2°C
Liquid mass density (ρ):	1
DCP ¹	X=9, Y=13.6, Z=8.7
Probe S/N:0123 Air Factor	X=346, Y=318, Z=386
Probe S/N:0123 liquid/air conversion Factor	0.562
Simulated tissue dielectric parameters:	ϵ_r : 40.03 σ : 1.392
Position:	Left touch
Channel / Frequency	512 / 1850.2 MHz
Maximum 1 gram SAR:	0.689W/Kg
Maximum 10 gram SAR:	0.447W/Kg
Power reference start:	0.288W/Kg
Power reference end	0.299W/Kg
Power reference change ²	3.75%

¹ DCP: Diode compression potential for different types of modulation is determined during the calibration of the probe. See section 6.2 of this report *Probe and Amplifier Specification*. Crest factor is not used.

² The power reference change is calculated by the test system with more digits than indicated in the power reference start and end values.

Appendix A Measurement Plots

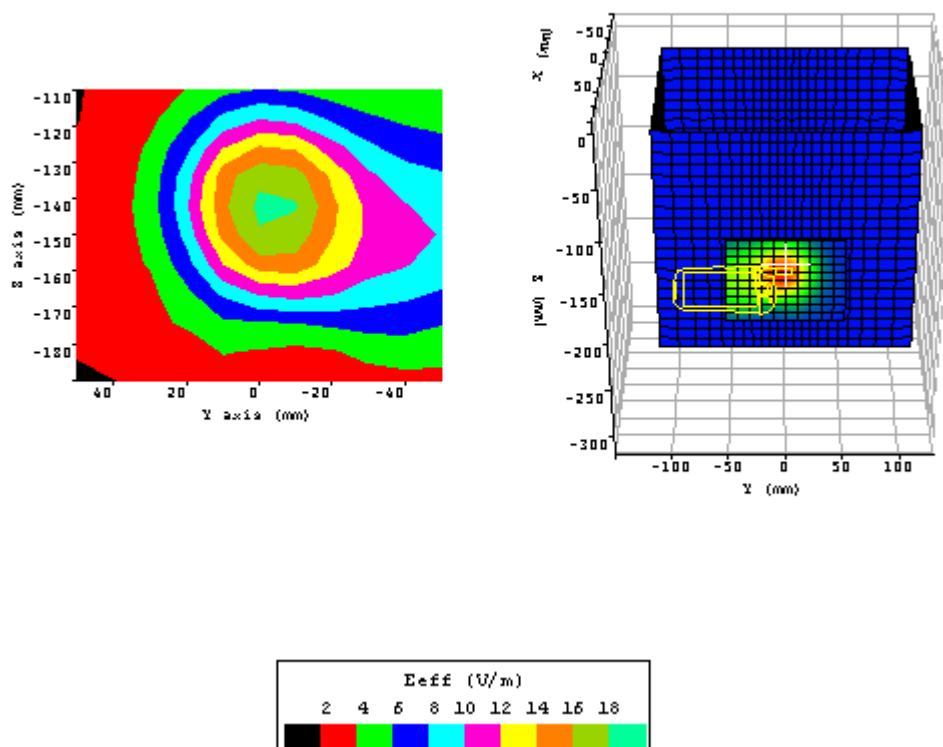
Plot 15.		
Date:	04/21/2003	
Temperature Air / Liquid:	21.2°C / 21.2°C	
Liquid mass density (ρ):	1	
DCP ¹	X=9, Y=13.6, Z=8.7	
Probe S/N:0123 Air Factor	X=346, Y=318, Z=386	
Probe S/N:0123 liquid/air conversion Factor	0.562	
Simulated tissue dielectric parameters:	ϵ_r : 39.92	σ : 1.443
Position:	Left touch	
Channel / Frequency	810 / 1909.8 MHz	
Maximum 1 gram SAR:	0.542W/Kg	
Maximum 10 gram SAR:	0.326W/Kg	
Power reference start:	0.236W/Kg	
Power reference end	0.230W/Kg	
Power reference change ²	-2.66%	

¹ DCP: Diode compression potential for different types of modulation is determined during the calibration of the probe. See section 6.2 of this report *Probe and Amplifier Specification*. Crest factor is not used.

² The power reference change is calculated by the test system with more digits than indicated in the power reference start and end values.

Appendix A Measurement Plots

1900 MHz Band Body SAR Plots:

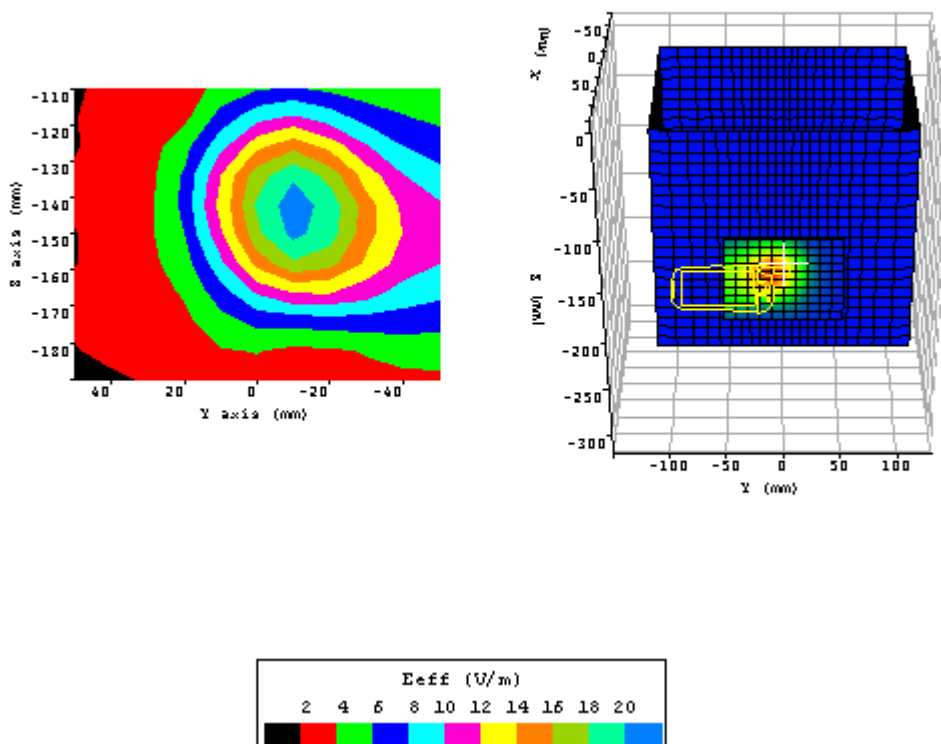


Plot 16.		
Date:	04/22/2003	
Temperature Air / Liquid:	21.6°C / 21.4°C	
Liquid mass density (ρ):	1	
DCP ¹	X=9, Y=13.6, Z=8.7	
Probe S/N:0123 Air Factor	X=346, Y=318, Z=386	
Probe S/N:0123 liquid/air conversion Factor	0.610	
Simulated tissue dielectric parameters:	ϵ_r : 53.42	σ : 1.541
Position:	Body	
Channel / Frequency	661 / 1880 MHz	
Maximum 1 gram SAR:	0.767 W/Kg	
Maximum 10 gram SAR:	0.425W/Kg	
Power reference start:	0.214W/Kg	
Power reference end	0.215W/Kg	
Power reference change ²	0.60%	

¹ DCP: Diode compression potential for different types of modulation is determined during the calibration of the probe. See section 6.2 of this report *Probe and Amplifier Specification*. Crest factor is not used.

² The power reference change is calculated by the test system with more digits than indicated in the power reference start and end values.

Appendix A Measurement Plots

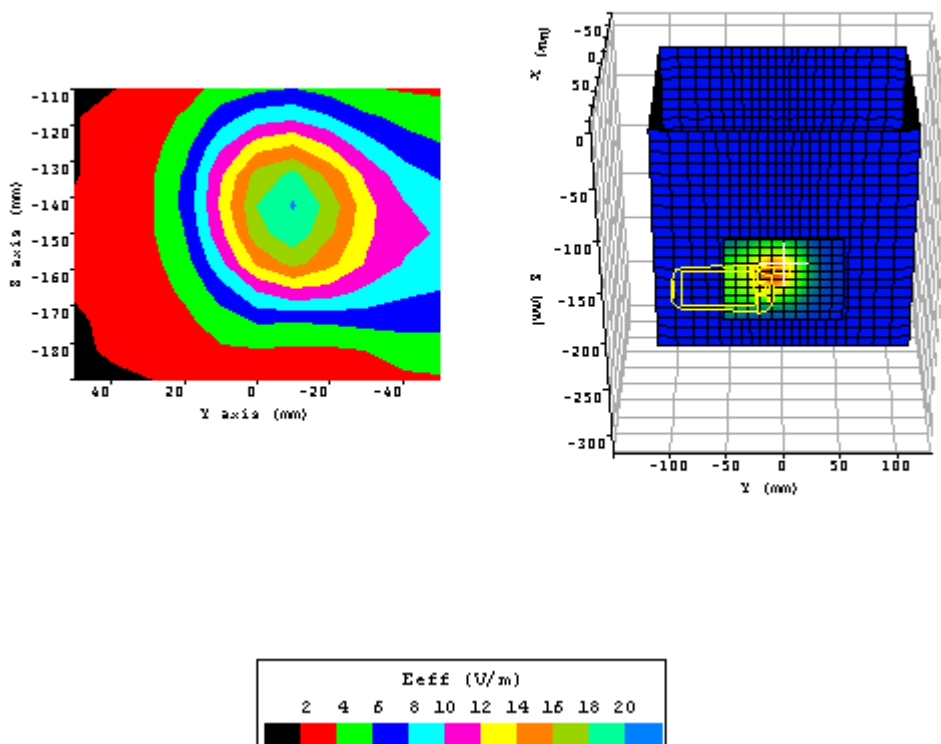


Plot 17.

Date:	04/22/2003
Temperature Air / Liquid:	21.6°C / 21.4°C
Liquid mass density (ρ):	1
DCP ¹	X=9, Y=13.6, Z=8.7
Probe S/N:0123 Air Factor	X=346, Y=318, Z=386
Probe S/N:0123 liquid/air conversion Factor	0.610
Simulated tissue dielectric parameters:	ϵ_r : 53.66 σ : 1.533
Position:	Body
Channel / Frequency	512 / 1850.2 MHz
Maximum 1 gram SAR:	0.931 W/Kg
Maximum 10 gram SAR:	0.518W/Kg
Power reference start:	0.273W/Kg
Power reference end	0.269W/Kg
Power reference change ²	-1.37%

¹ DCP: Diode compression potential for different types of modulation is determined during the calibration of the probe. See section 6.2 of this report *Probe and Amplifier Specification*. Crest factor is not used.

² The power reference change is calculated by the test system with more digits than indicated in the power reference start and end values.

Appendix A Measurement Plots**Plot 18.**

Date:	04/22/2003
Temperature Air / Liquid:	21.6°C / 21.4°C
Liquid mass density (ρ):	1
DCP ¹	X=9, Y=13.6, Z=8.7
Probe S/N:0123 Air Factor	X=346, Y=318, Z=386
Probe S/N:0123 liquid/air conversion Factor	0.610
Simulated tissue dielectric parameters:	ϵ_r : 53.01 σ : 1.552
Position:	Body
Channel / Frequency	810 / 1909.8 MHz
Maximum 1 gram SAR:	0.843W/Kg
Maximum 10 gram SAR:	0.459W/Kg
Power reference start:	0.232W/Kg
Power reference end	0.233W/Kg
Power reference change ²	0.57%

¹ DCP: Diode compression potential for different types of modulation is determined during the calibration of the probe. See section 6.2 of this report *Probe and Amplifier Specification*. Crest factor is not used.

² The power reference change is calculated by the test system with more digits than indicated in the power reference start and end values.