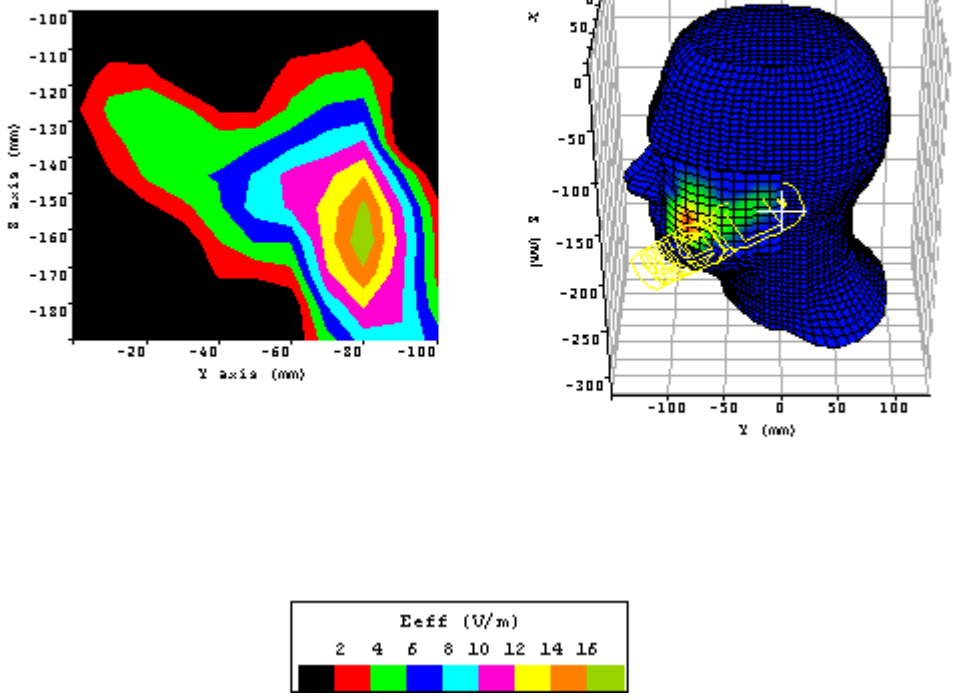
Appendix A: Measurement Plots

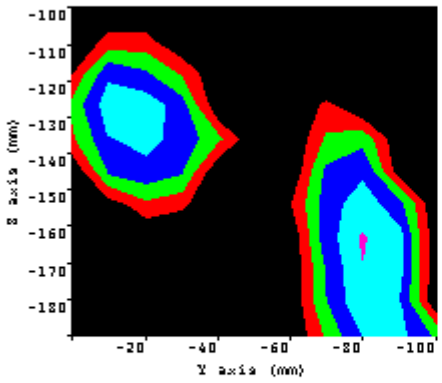
1900 MHz Head SAR

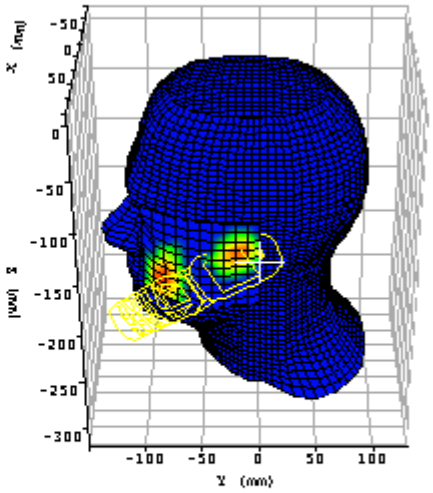


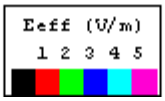
Plot 1.	
Date:	10/31/2002
Temperature Air / Liquid:	22.0°C / 22.2°C
Liquid mass density (ρ):	1
DCP[1]	8
Simulated tissue dielectric parameters:	ε_r: 38.97 σ: 1.401
Probe factors (S/N 0106) (ConvF):	X=0.574, Y=0.845, Z=0.518
Position:	Left touch
Channel / Frequency:	661 / 1880 MHz
Maximum 1 gram SAR:	0.607W/Kg
Maximum 10 gram SAR:	0.380W/Kg
Power reference start:	0.267W/Kg
Power reference end	0.267W/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.

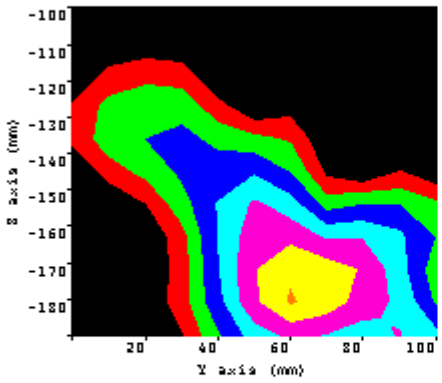


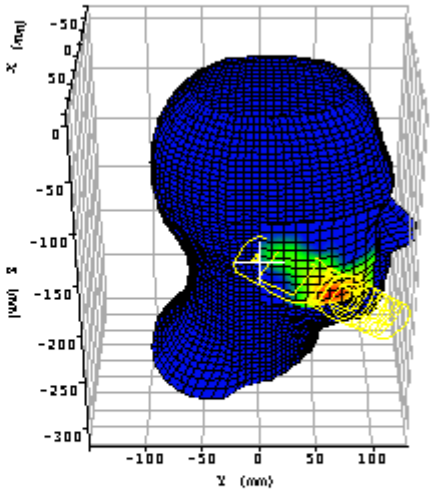


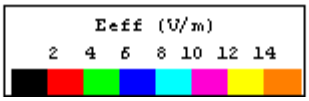


Plot 2.	
Date:	10/31/2002
Temperature Air / Liquid:	22.0°C / 22.2°C
Liquid mass density (ρ):	1
DCP[1]	8
Simulated tissue dielectric parameters:	ε_r: 38.97 σ: 1.401
Probe factors (S/N 0106) (ConvF):	X=0.574, Y=0.845, Z=0.518
Position:	Left tilt
Channel / Frequency:	661 / 1880 MHz
Maximum 1 gram SAR:	0.091W/Kg
Maximum 10 gram SAR:	0.047W/Kg
Power reference start:	0.029W/Kg
Power reference end	0.028W/Kg
Power reference change[2]	-2.01%

[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.

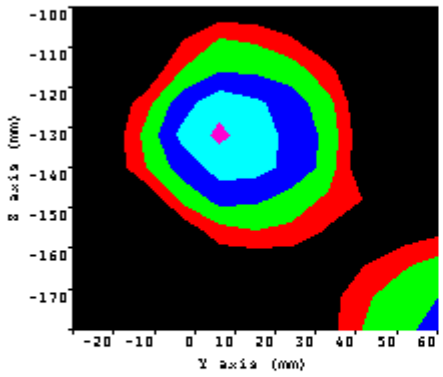


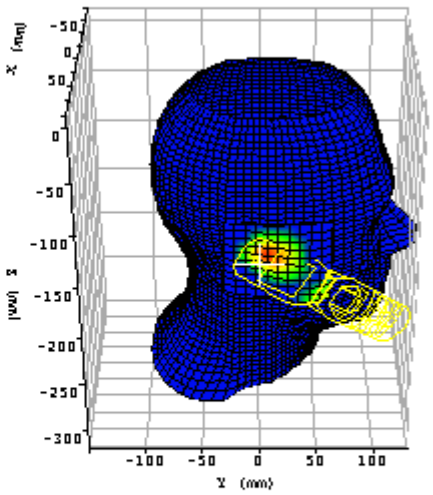


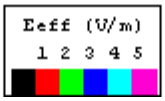


Plot 3.	
Date:	10/31/2002
Temperature Air / Liquid:	22.0°C / 22.2°C
Liquid mass density (ρ):	1
DCP[1]	8
Simulated tissue dielectric parameters:	ε_r: 38.97 σ: 1.401
Probe factors (S/N 0106) (ConvF):	X=0.574, Y=0.845, Z=0.518
Position:	Right touch
Channel / Frequency:	661 / 1880 MHz
Maximum 1 gram SAR:	0.449W/Kg
Maximum 10 gram SAR:	0.265W/Kg
Power reference start:	0.120W/Kg
Power reference end	0.120W/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.

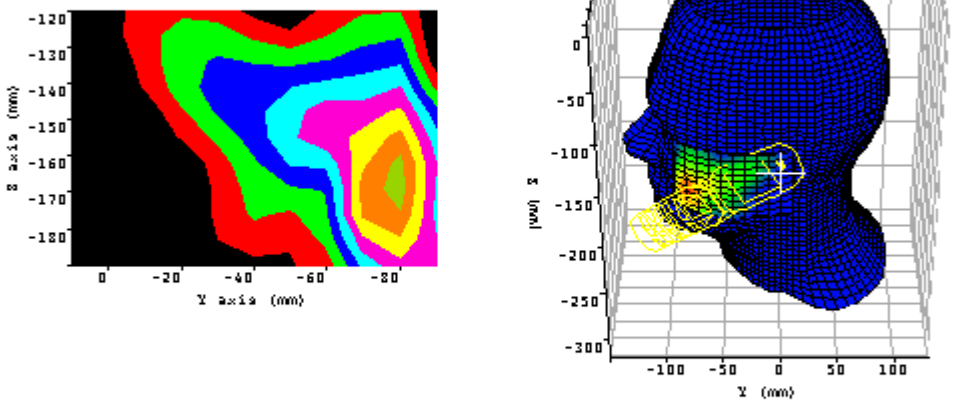


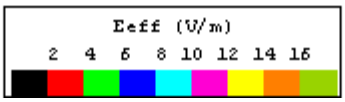




Plot 4.	
Date:	11/04/2002
Temperature Air / Liquid:	22.2°C / 22.1°C
Liquid mass density (ρ):	1
DCP[1]	8
Simulated tissue dielectric parameters:	ε_r: 38.83 σ: 1.436
Probe factors (S/N 0106) (ConvF):	X=0.574, Y=0.845, Z=0.518
Position:	Right tilt
Channel / Frequency:	661 / 1880 MHz
Maximum 1 gram SAR:	0.051W/Kg
Maximum 10 gram SAR:	0.029W/Kg
Power reference start:	0.017W/Kg
Power reference end	0.017W/Kg
Power reference change[2]	-0.00%

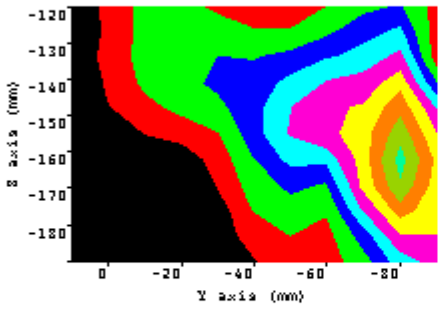
[1] DCP: Diode compression potential for different types of modulation is determined during the calibration of the probe. See section 6.2 of this report *Probe and Amplifier Specification.* Crest factor is not used.
[2] The power reference change is calculated by the test system with more digits than indicated in the power reference start and end values.

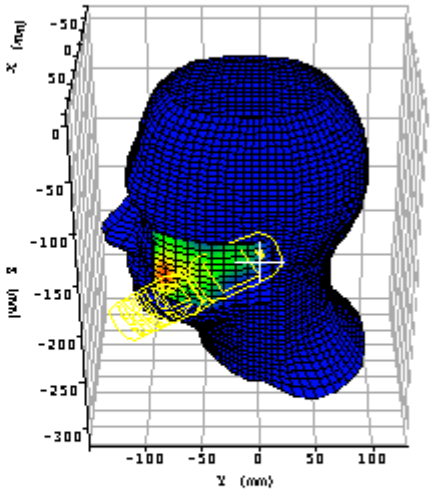


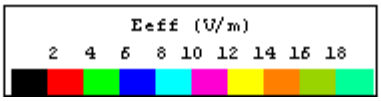


Plot 5.	
Date:	11/04/2002
Temperature Air / Liquid:	22.2°C / 22.1°C
Liquid mass density (ρ):	1
DCP[1]	8
Simulated tissue dielectric parameters:	ε_r: 38.99 σ: 1.424
Probe factors (S/N 0106) (ConvF):	X=0.574, Y=0.845, Z=0.518
Position:	Left touch
Channel / Frequency:	512 / 1850.2 MHz
Maximum 1 gram SAR:	0.573W/Kg
Maximum 10 gram SAR:	0.368W/Kg
Power reference start:	0.269W/Kg
Power reference end	0.269W/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.



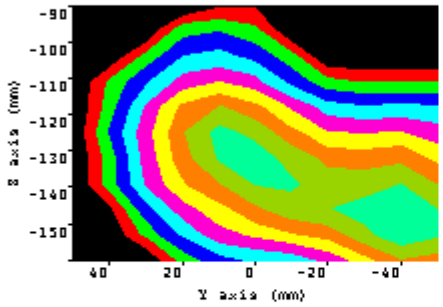


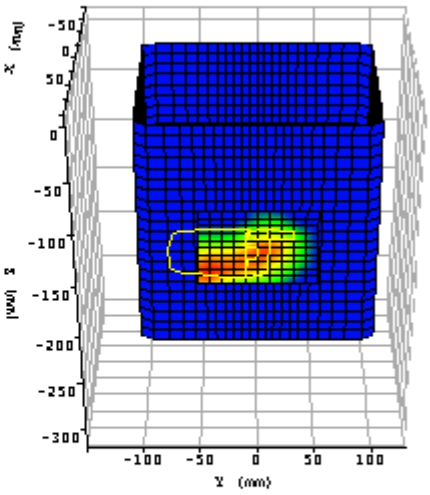


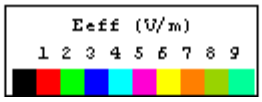
Plot 6.	
Date:	11/04/2002
Temperature Air / Liquid:	22.2°C / 22.1°C
Liquid mass density (ρ):	1
DCP[1]	8
Simulated tissue dielectric parameters:	ε_r: 38.85 σ: 1.463
Probe factors (S/N 0106) (ConvF):	X=0.574, Y=0.845, Z=0.518
Position:	Left touch
Channel / Frequency:	810 / 1908.2 MHz
Maximum 1 gram SAR:	0.655W/Kg
Maximum 10 gram SAR:	0.433W/Kg
Power reference start:	0.348W/Kg
Power reference end	0.345W/Kg
Power reference change[2]	-1.04%

[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.

1900 MHz Body SAR

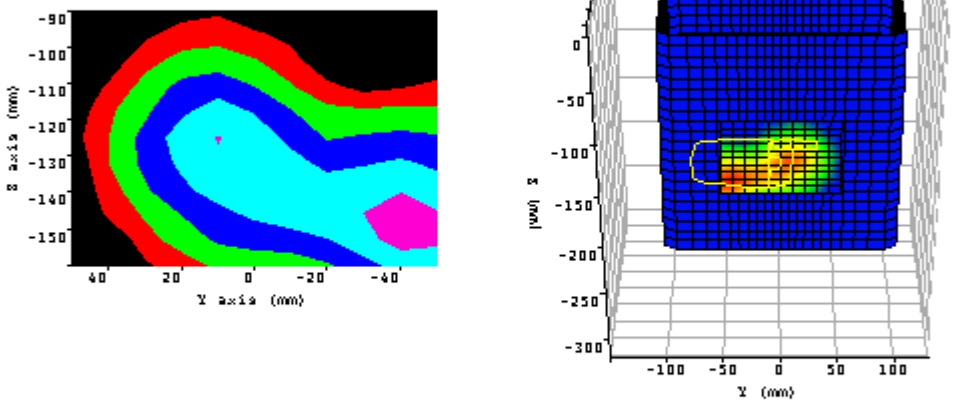


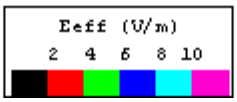




Plot 7.		
Date:	11/05/2002	
Temperature Air / Liquid:	22.0°C / 21.9°C	
Liquid mass density (ρ):	1	
DCP[1]	8	
Simulated tissue dielectric parameters:	ε_r: 53.32	σ: 1.563
Probe factors (S/N 0106) (ConvF):	X=0.646, Y=0.950, Z=0.583	
Position:	Phone against phantom, phone closed with earphone	
Channel / Frequency:	512 / 1850.2 MHz	
Peak # / location:	#1 / Y=-40, Z=-145	#2 / Y=0, Z=-130
Maximum 1 gram SAR:	0.225W/Kg	0.181W/Kg
Maximum 10 gram SAR:	0.140W/Kg	0.101W/Kg
Power reference start:	0.076W/Kg	0.065W/Kg
Power reference end	0.076/Kg	0.065W/Kg
Power reference change[2]	-0.00%	-0.00%

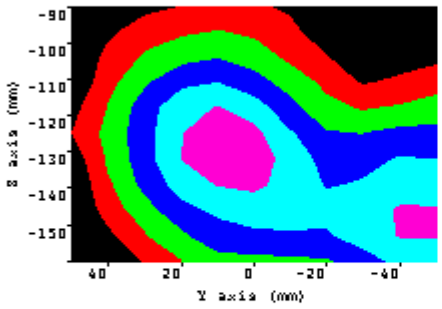
[1] DCP: Diode compression potential for different types of modulation is determined during the calibration of the probe. See section 6.2 of this report *Probe and Amplifier Specification.* Crest factor is not used.
[2] The power reference change is calculated by the test system with more digits than indicated in the power reference start and end values.

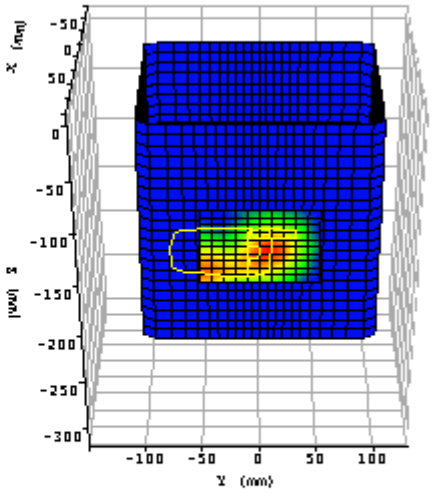


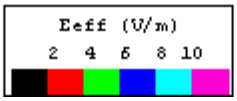


Plot 8.		
Date:	11/05/2002	
Temperature Air / Liquid:	22.0°C / 21.9°C	
Liquid mass density (ρ):	1	
DCP[1]	8	
Simulated tissue dielectric parameters:	ε_r: 53.18	σ: 1.576
Probe factors (S/N 0106) (ConvF):	X=0.646, Y=0.950, Z=0.583	
Position:	Phone against phantom, phone closed with earphone	
Channel / Frequency:	661 / 1880 MHz	
Peak # / location:	#1 / Y=-43, Z=-148	#2 / Y=10, Z=-122
Maximum 1 gram SAR:	0.249W/Kg	0.203W/Kg
Maximum 10 gram SAR:	0.151W/Kg	0.109W/Kg
Power reference start:	0.090W/Kg	0.065W/Kg
Power reference end	0.090/Kg	0.065W/Kg
Power reference change[2]	-0.00%	-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.







Plot 9.		
Date:	11/05/2002	
Temperature Air / Liquid:	22.3°C / 21.9°C	
Liquid mass density (ρ):	1	
DCP[1]	8	
Simulated tissue dielectric parameters:	ε_r: 52.98	σ: 1.581
Probe factors (S/N 0106) (ConvF):	X=0.646, Y=0.950, Z=0.583	
Position:	Phone against phantom, phone closed with earphone	
Channel / Frequency:	810 / 1909.8 MHz	
Peak # / location:	#1 / Y=-46, Z=-149	#2 / Y=5, Z=-130
Maximum 1 gram SAR:	0.315W/Kg	0.227W/Kg
Maximum 10 gram SAR:	0.184W/Kg	0.183W/Kg
Power reference start:	0.084W/Kg	0.071W/Kg
Power reference end	0.084/Kg	0.071W/Kg
Power reference change[2]	-0.00%	-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.