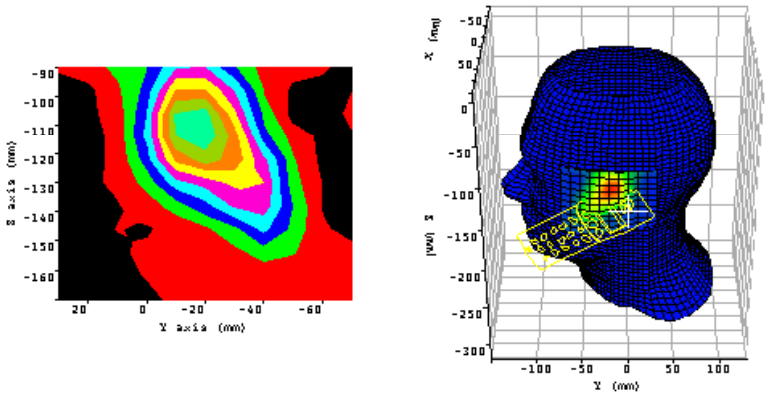
Appendix A: Measurement Plots

1900 MHz Head SAR

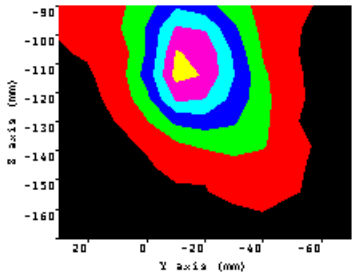


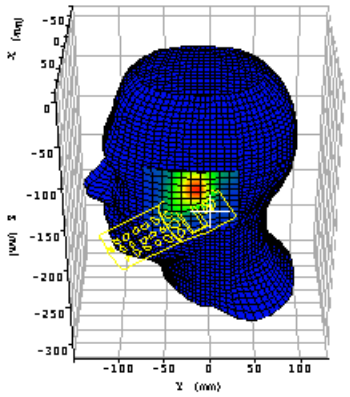
Plot 1.		
Date:		11/08/2002
Temperature Air / Liquid:		21.3°C / 22.1°C
Liquid mass density (ρ):		1
DCP[1]		20
Probe factors (S/N 0106) (ConvF):		X=0.574, Y=0.845, Z=0.518
Simulated tissue dielectric parameters:		ε_r: 38.71 σ: 1.427
Position:		Left touch
Channel # / Frequency:		4 / 1924.375 MHz
1 gram SAR	Maximum measured with all 24 timeslots transmitting:	1.801 W/kg
	Value determined by calculating measured value to SAR value with 1 timeslot transmitting:[2]	0.075 W/kg
10 gram SAR	Maximum measured with all 24 timeslots transmitting:	1.775 W/kg
	Value determined by calculating measured value to SAR value with 1 timeslot transmitting:[2]	0.074W/kg
Power reference start:		1.595W/Kg
Power reference end		1.595W/Kg
Power reference change[3]		0.01%

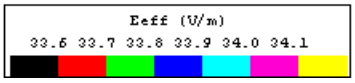
[1] DCP: Diode compression potential for different types of modulation is determined during the calibration of the probe. See section 6.2 of this report *Probe and Amplifier Specification.* Crest factor is not used.

[2] SAR value to show compliance with regulations. For detailed explanation see section 8.2 of this report *Test Method.*

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

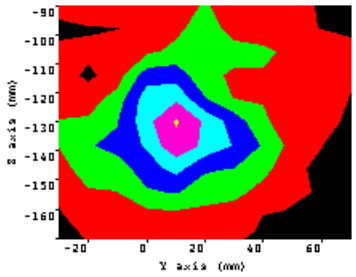


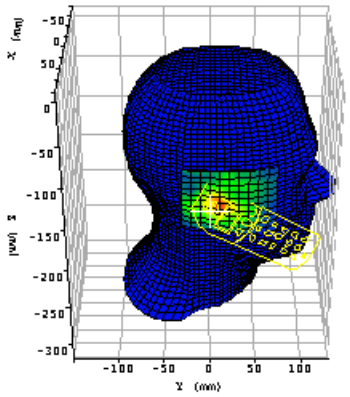


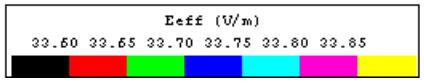


Plot 2.		
Date:		11/08/2002
Temperature Air / Liquid:		22.6°C / 22.1°C
Liquid mass density (ρ):		1
DCP[1]		20
Probe factors (S/N 0106) (ConvF):		X=0.574, Y=0.845, Z=0.518
Simulated tissue dielectric parameters:		ε_r: 38.71 σ: 1.427
Position:		Left tilt
Channel # / Frequency:		4 / 1924.375 MHz
1 gram SAR	Maximum measured with all 24 timeslots transmitting:	1.820 W/kg
	Value determined by calculating measured value to SAR value with 1 timeslot transmitting:[2]	0.076 W/kg
10 gram SAR	Maximum measured with all 24 timeslots transmitting:	1.786 W/kg
	Value determined by calculating measured value to SAR value with 1 timeslot transmitting:[2]	0.074 W/kg
Power reference start:		1.602W/Kg
Power reference end		1.601W/Kg
Power reference change[3]		-0.08%

[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] SAR value to show compliance with regulations. For detailed explanation see section 8.2 of this report *Test Method.*
[3] The power reference change is calculated by the test system with more digits than indicated in the power reference start and end values.

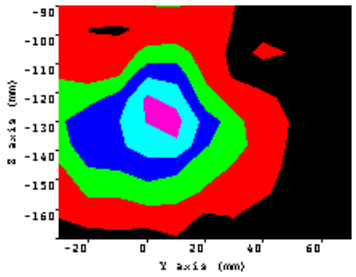


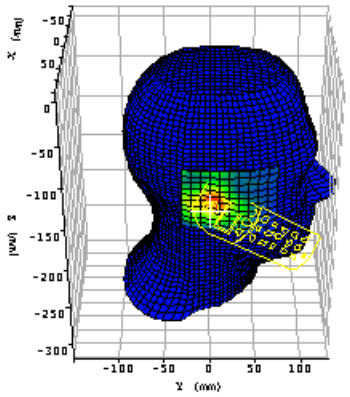


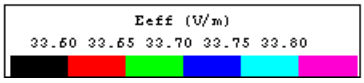


Plot 3.		
Date:		11/08/2002
Temperature Air / Liquid:		22.8°C / 22.1°C
Liquid mass density (ρ):		1
DCP[1]		20
Probe factors (S/N 0106) (ConvF):		X=0.574, Y=0.845, Z=0.518
Simulated tissue dielectric parameters:		ε_r: 38.71 σ: 1.427
Position:		Right touch
Channel # / Frequency:		4 / 1924.375 MHz
1 gram SAR	Maximum measured with all 24 timeslots transmitting:	1.773 W/kg
	Value determined by calculating measured value to SAR value with 1 timeslot transmitting:[2]	0.074 W/kg
10 gram SAR	Maximum measured with all 24 timeslots transmitting:	1.759 W/kg
	Value determined by calculating measured value to SAR value with 1 timeslot transmitting:[2]	0.073 W/kg
Power reference start:		1.590 W/Kg
Power reference end		1.591 W/Kg
Power reference change[3]		0.09%

[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] SAR value to show compliance with regulations. For detailed explanation see section 8.2 of this report *Test Method.*
[3] The power reference change is calculated by the test system with more digits than indicated in the power reference start and end values.

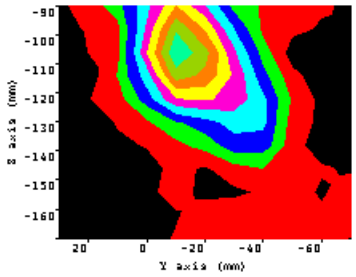


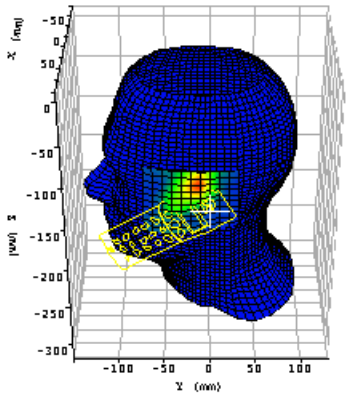


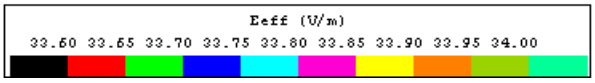


Plot 4.		
Date:		11/08/2002
Temperature Air / Liquid:		21.3°C / 22.1°C
Liquid mass density (ρ):		1
DCP[1]		20
Probe factors (S/N 0106) (ConvF):		X=0.574, Y=0.845, Z=0.518
Simulated tissue dielectric parameters:		ε_r: 38.71 σ: 1.427
Position:		Right tilt
Channel # / Frequency:		4 / 1924.375 MHz
1 gram SAR	Maximum measured with all 24 timeslots transmitting:	1.775 W/kg
	Value determined by calculating measured value to SAR value with 1 timeslot transmitting:[2]	0.074 W/kg
10 gram SAR	Maximum measured with all 24 timeslots transmitting:	1.760 W/kg
	Value determined by calculating measured value to SAR value with 1 timeslot transmitting:[2]	0.073 W/kg
Power reference start:		1.591 W/Kg
Power reference end		1.592 W/Kg
Power reference change[3]		0.03%

[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] SAR value to show compliance with regulations. For detailed explanation see section 8.2 of this report *Test Method.*
[3] The power reference change is calculated by the test system with more digits than indicated in the power reference start and end values.

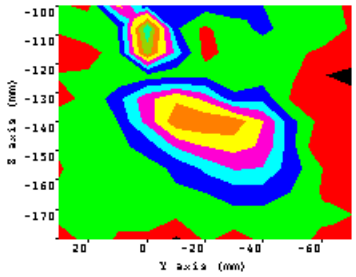


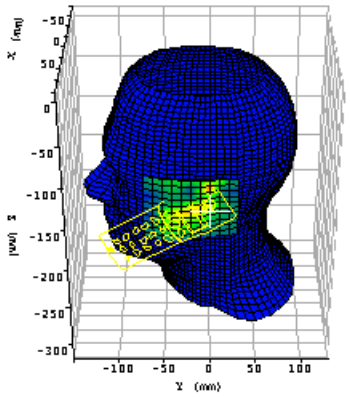


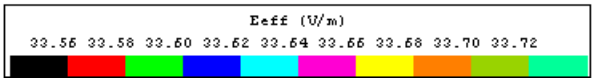


Plot 5.		
Date:		11/08/2002
Temperature Air / Liquid:		21.3°C / 22.1°C
Liquid mass density (ρ):		1
DCP[1]		20
Probe factors (S/N 0106) (ConvF):		X=0.574, Y=0.845, Z=0.518
Simulated tissue dielectric parameters:		ε_r: 38.74 σ: 1.422
Position:		Left tilt
Channel # / Frequency:		7 / 1920.625 MHz
1 gram SAR	Maximum measured with all 24 timeslots transmitting:	1.820 W/kg
	Value determined by calculating measured value to SAR value with 1 timeslot transmitting:[2]	0.076 W/kg
10 gram SAR	Maximum measured with all 24 timeslots transmitting:	1.784 W/kg
	Value determined by calculating measured value to SAR value with 1 timeslot transmitting:[2]	0.074 W/kg
Power reference start:		1.602W/Kg
Power reference end		1.603W/Kg
Power reference change[3]		0.06%

[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] SAR value to show compliance with regulations. For detailed explanation see section 8.2 of this report *Test Method.*
[3] The power reference change is calculated by the test system with more digits than indicated in the power reference start and end values.

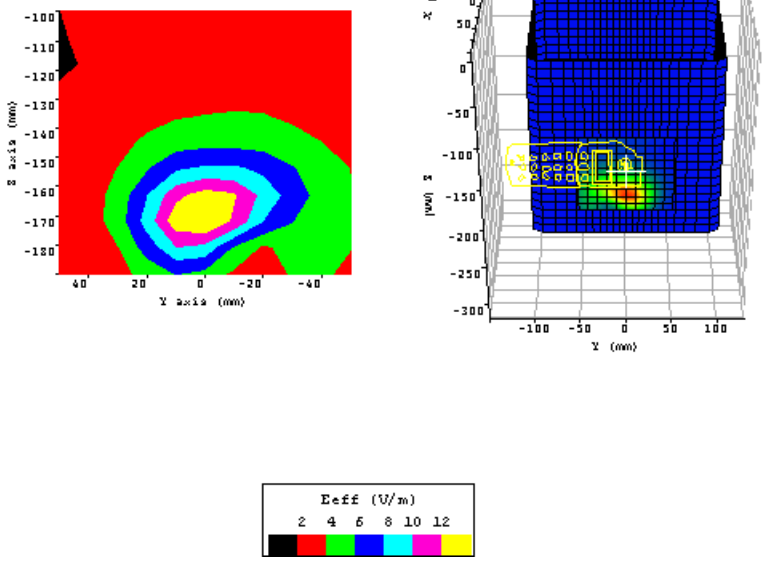






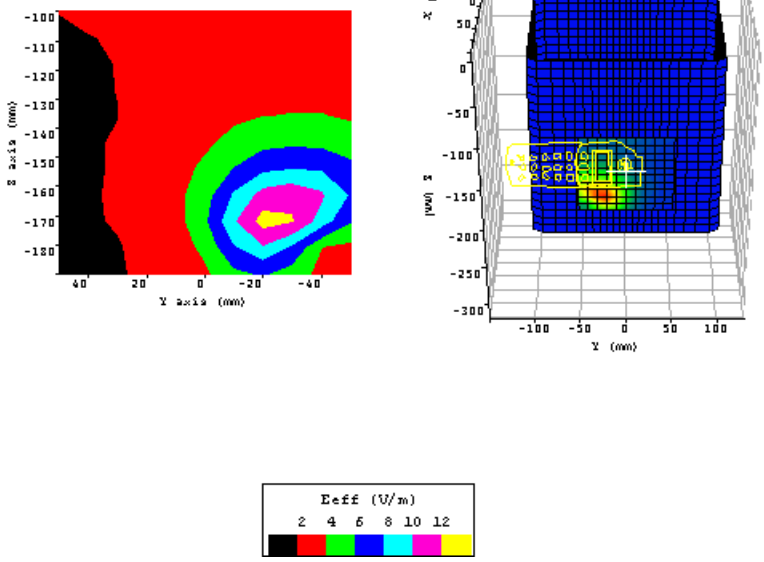
Plot 6.		
Date:		11/08/2002
Temperature Air / Liquid:		21.3°C / 22.1°C
Liquid mass density (ρ):		1
DCP[1]		20
Probe factors (S/N 0106) (ConvF):		X=0.574, Y=0.845, Z=0.518
Simulated tissue dielectric parameters:		ε_r: 38.68 σ: 1.434
Position:		Left tilt
Channel # / Frequency:		0/ 1929.375 MHz
1 gram SAR	Maximum measured with all 24 timeslots transmitting:	1.738 W/kg
	Value determined by calculating measured value to SAR value with 1 timeslot transmitting:[2]	0.072 W/kg
10 gram SAR	Maximum measured with all 24 timeslots transmitting:	1.737 W/kg
	Value determined by calculating measured value to SAR value with 1 timeslot transmitting:[2]	0.072 W/kg
Power reference start:		1.577 W/Kg
Power reference end		1.579 W/Kg
Power reference change[3]		0.14%

[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] SAR value to show compliance with regulations. For detailed explanation see section 8.2 of this report *Test Method.*
[3] The power reference change is calculated by the test system with more digits than indicated in the power reference start and end values.



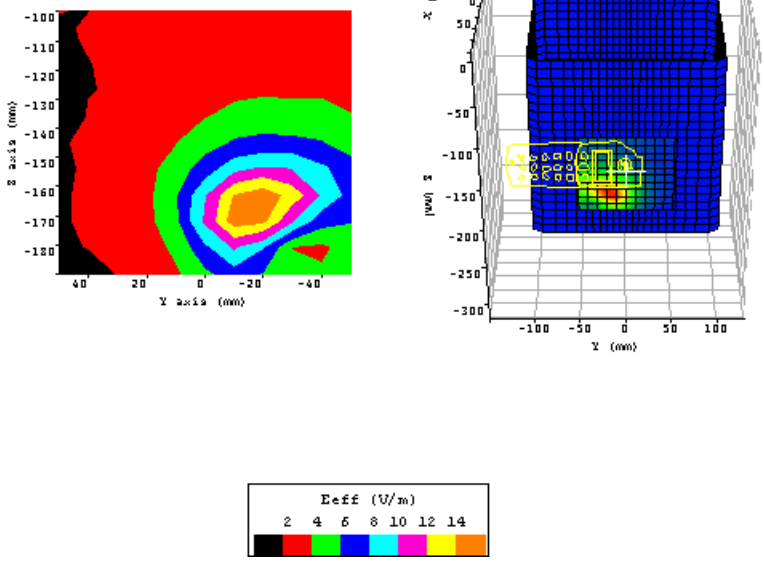
Plot 7.		
Date:		11/08/2002
Temperature Air / Liquid:		20.0°C / 21.9°C
Liquid mass density (ρ):		1
DCP[1]		20
Probe factors (S/N 0106) (ConvF):		X=0.646, Y=0.950, Z=0.583
Simulated tissue dielectric parameters:		ε_r: 51.79 σ: 1.569
Position:		Body clip to phantom
Channel # / Frequency:		7 / 1920.625 MHz
1 gram SAR	Maximum measured with all 24 timeslots transmitting:	0.346 W/kg
	Value determined by calculating measured value to SAR value with 1 timeslot transmitting:[2]	0.014 W/kg
10 gram SAR	Maximum measured with all 24 timeslots transmitting:	0.200 W/kg
	Value determined by calculating measured value to SAR value with 1 timeslot transmitting:[2]	0.008 W/kg
Power reference start:		0.140W/Kg
Power reference end		0.140W/Kg
Power reference change[3]		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] SAR value to show compliance with regulations. For detailed explanation see section 8.2 of this report *Test Method.*
[3] 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:		11/08/2002
Temperature Air / Liquid:		20.0°C / 21.9°C
Liquid mass density (ρ):		1
DCP[1]		20
Probe factors (S/N 0106) (ConvF):		X=0.646, Y=0.950, Z=0.583
Simulated tissue dielectric parameters:		ε_r: 52.3 σ: 1.576
Position:		Body clip to phantom
Channel # / Frequency:		4 / 1924.375 MHz
1 gram SAR	Maximum measured with all 24 timeslots transmitting:	0.357 W/kg
	Value determined by calculating measured value to SAR value with 1 timeslot transmitting:[2]	0.015 W/kg
10 gram SAR	Maximum measured with all 24 timeslots transmitting:	0.203 W/kg
	Value determined by calculating measured value to SAR value with 1 timeslot transmitting:[2]	0.009W/kg
Power reference start:		0.110W/Kg
Power reference end		0.110W/Kg
Power reference change[3]		-0.19%

[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] SAR value to show compliance with regulations. For detailed explanation see section 8.2 of this report *Test Method.*
[3] 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:		11/08/2002
Temperature Air / Liquid:		21.3°C / 22.1°C
Liquid mass density (ρ):		1
DCP[1]		20
Probe factors (S/N 0106) (ConvF):		X=0.646, Y=0.950, Z=0.583
Simulated tissue dielectric parameters:		ε_r: 53.32 σ: 1.59
Position:		Left touch
Channel # / Frequency:		0 / 1929.375 MHz
1 gram SAR	Maximum measured with all 24 timeslots transmitting:	0.435 W/kg
	Value determined by calculating measured value to SAR value with 1 timeslot transmitting:[2]	0.018 W/kg
10 gram SAR	Maximum measured with all 24 timeslots transmitting:	0.245 W/kg
	Value determined by calculating measured value to SAR value with 1 timeslot transmitting:[2]	0.010 W/kg
Power reference start:		0.143W/Kg
Power reference end		0.143W/Kg
Power reference change[3]		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] SAR value to show compliance with regulations. For detailed explanation see section 8.2 of this report *Test Method.*
[3] The power reference change is calculated by the test system with more digits than indicated in the power reference start and end values.