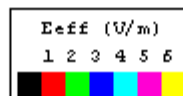
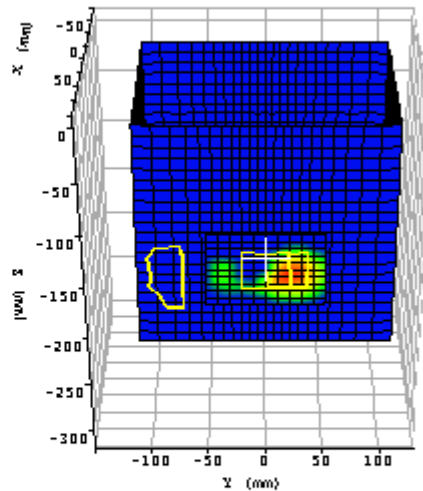
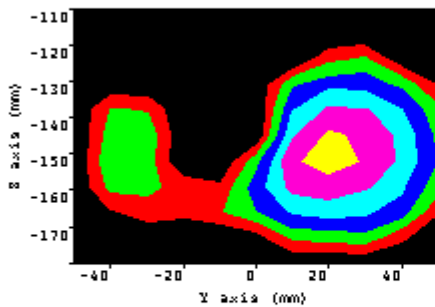


## Appendix A: Measurement Plots

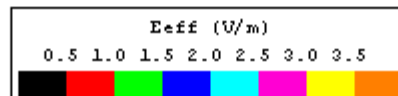
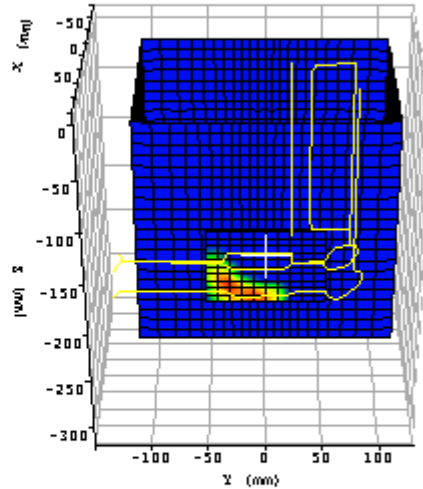
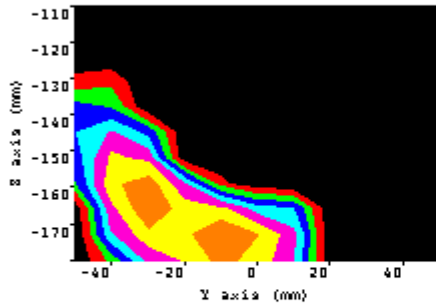
### Cisco Aironet 350:



Plot 1.	
Date:	04/09/2003
Temperature Air / Liquid:	21.0°C / 21.0°C
Liquid mass density ( $\rho$ ):	1
DCP <sup>1</sup>	20
Probe S/N:0123 Air Factor	X=346, Y=318, Z=386
Probe S/N:0123 liquid/air conversion Factor	0.816
Simulated tissue dielectric parameters:	$\epsilon_r$ : 51.58 $\sigma$ : 1.965
Test Position	bystander 1 cm
Device Frequency	2437 MHz
Maximum 1 gram SAR:	0.131W/Kg
Maximum 10 gram SAR:	0.058/Kg
Power reference start:	0.003W/Kg
Power reference end	0.003W/Kg
Power reference change <sup>2</sup>	-0.00%

<sup>1</sup> 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.

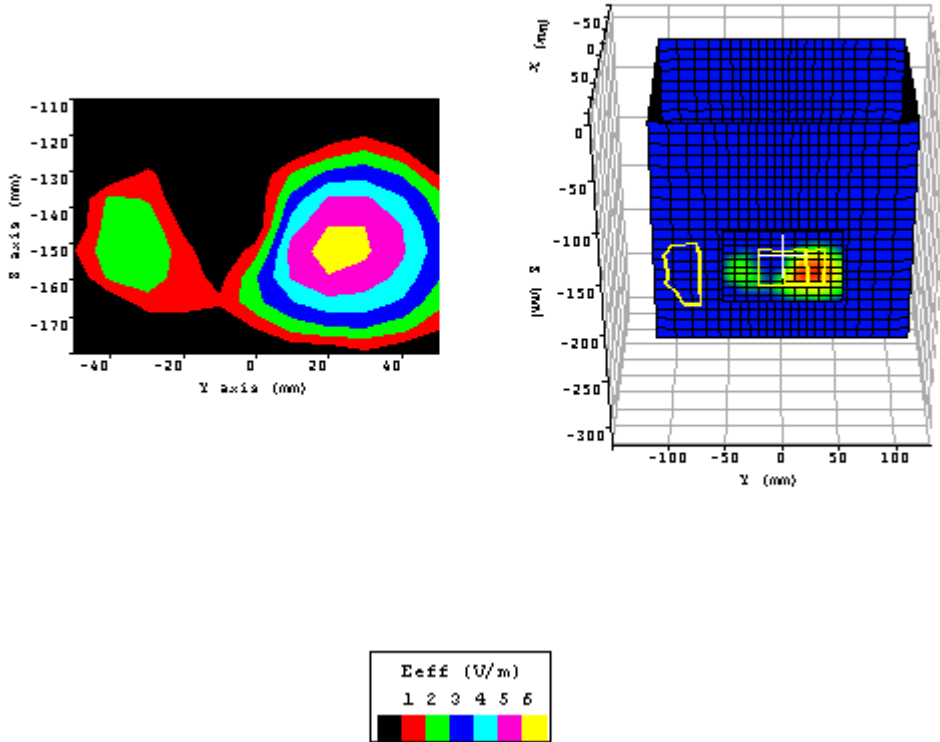
<sup>2</sup> The power reference change is calculated by the test system with more digits than indicated in the power reference start and end values.



Plot 2.	
Date:	04/09/2003
Temperature Air / Liquid:	21.0°C / 21.0°C
Liquid mass density ( $\rho$ ):	1
DCP <sup>1</sup>	20
Probe S/N:0123 Air Factor	X=346, Y=318, Z=386
Probe S/N:0123 liquid/air conversion Factor	0.816
Simulated tissue dielectric parameters:	$\epsilon_r$ : 51.58 $\sigma$ : 1.965
Test Position	lap
Device Frequency	2437 MHz
Maximum 1 gram SAR:	0.066W/Kg
Maximum 10 gram SAR:	0.029/Kg
Power reference start:	0.002W/Kg
Power reference end	0.002W/Kg
Power reference change <sup>2</sup>	-0.00%

<sup>1</sup> 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.

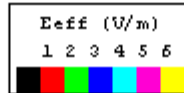
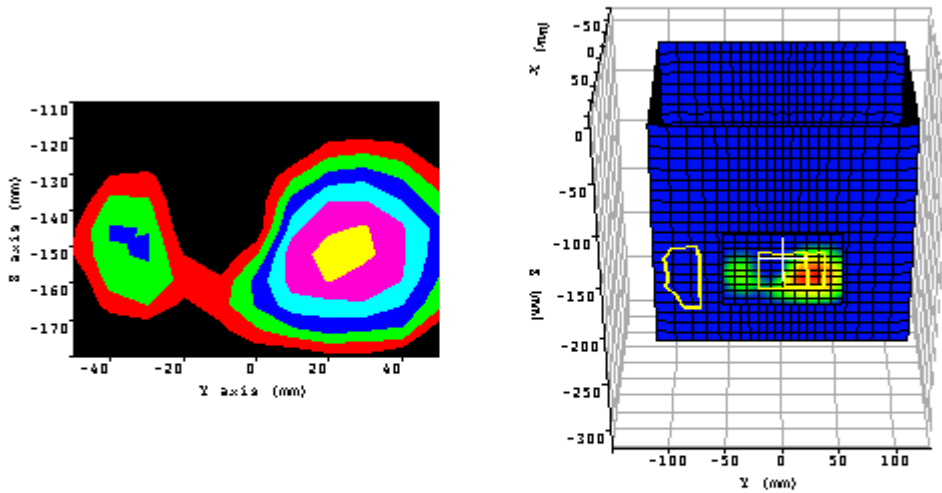
<sup>2</sup> The power reference change is calculated by the test system with more digits than indicated in the power reference start and end values.



Plot 3.	
Date:	04/09/2003
Temperature Air / Liquid:	21.0°C / 21.0°C
Liquid mass density ( $\rho$ ):	1
DCP <sup>1</sup>	20
Probe S/N:0123 Air Factor	X=346, Y=318, Z=386
Probe S/N:0123 liquid/air conversion Factor	0.816
Simulated tissue dielectric parameters:	$\epsilon_r$ : 51.08 $\sigma$ : 1.954
Test Position	bystander 1 cm
Device Frequency	2412 MHz
Maximum 1 gram SAR:	0.133W/Kg
Maximum 10 gram SAR:	0.060/Kg
Power reference start:	0.003W/Kg
Power reference end	0.003W/Kg
Power reference change <sup>2</sup>	-0.00%

<sup>1</sup> 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.

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

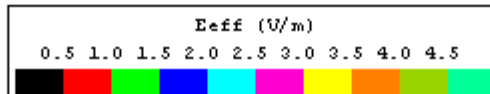
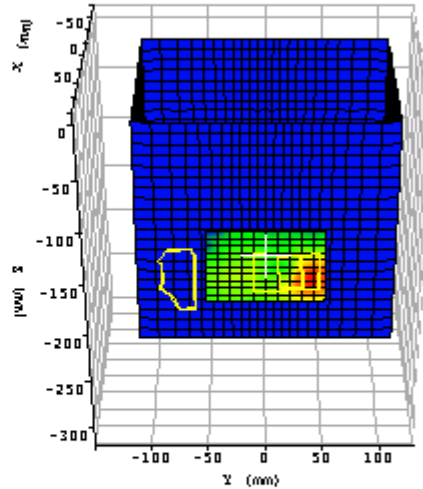
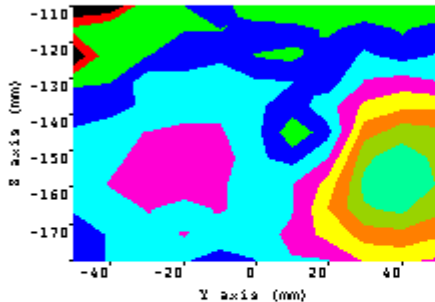


Plot 4.	
Date:	04/09/2003
Temperature Air / Liquid:	21.0°C / 21.0°C
Liquid mass density ( $\rho$ ):	1
DCP <sup>1</sup>	20
Probe S/N:0123 Air Factor	X=346, Y=318, Z=386
Probe S/N:0123 liquid/air conversion Factor	0.816
Simulated tissue dielectric parameters:	$\epsilon_r$ : 51.10 $\sigma$ : 1.964
Test Position	bystander 1 cm
Device Frequency	2462 MHz
Maximum 1 gram SAR:	0.139W/Kg
Maximum 10 gram SAR:	0.064/Kg
Power reference start:	0.003W/Kg
Power reference end	0.003W/Kg
Power reference change <sup>2</sup>	-0.00%

<sup>1</sup> 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.

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

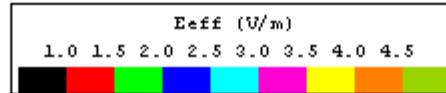
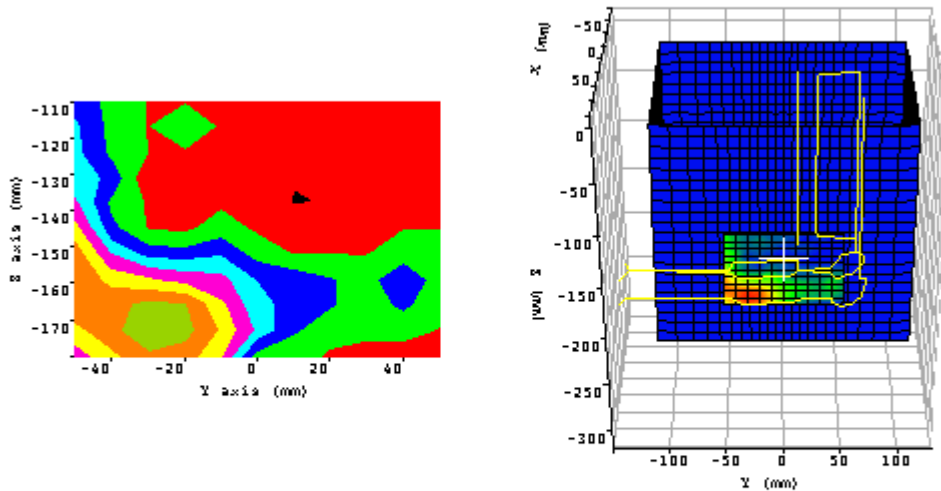
**Symbol Spectrum24 FH:**



Plot 5.	
Date:	04/14/2003
Temperature Air / Liquid:	21.0°C / 21.0°C
Liquid mass density ( $\rho$ ):	1
DCP <sup>1</sup>	20
Probe S/N:0123 Air Factor	X=346, Y=318, Z=386
Probe S/N:0123 liquid/air conversion Factor	0.816
Simulated tissue dielectric parameters:	$\epsilon_r$ : 51.72 $\sigma$ : 1.968
Test Position	bystander 1 cm
Device Frequency	2440 MHz
Maximum 1 gram SAR:	0.071W/Kg
Maximum 10 gram SAR:	0.037/Kg
Power reference start:	0.012W/Kg
Power reference end	0.012W/Kg
Power reference change <sup>2</sup>	-0.00%

<sup>1</sup> 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.

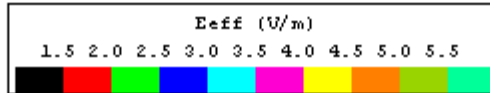
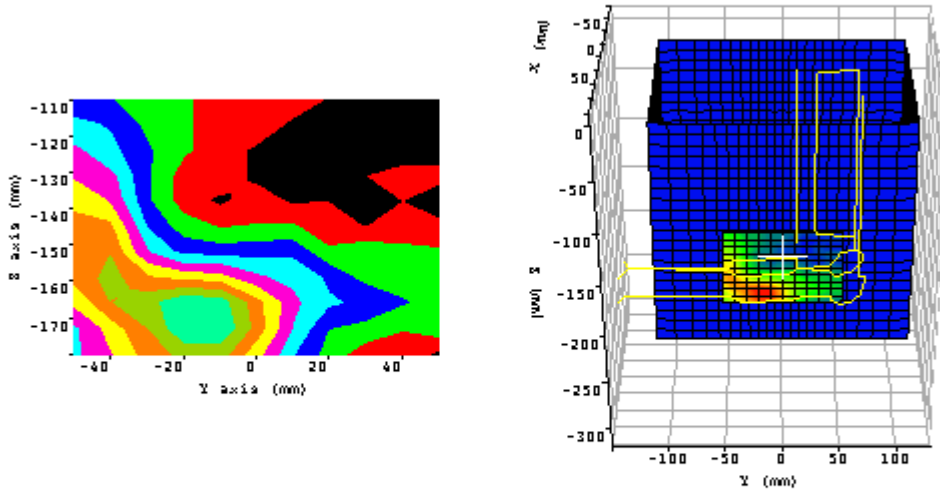
<sup>2</sup> The power reference change is calculated by the test system with more digits than indicated in the power reference start and end values.



Plot 6.	
Date:	04/14/2003
Temperature Air / Liquid:	21.0°C / 21.0°C
Liquid mass density ( $\rho$ ):	1
DCP <sup>1</sup>	20
Probe S/N:0123 Air Factor	X=346, Y=318, Z=386
Probe S/N:0123 liquid/air conversion Factor	0.816
Simulated tissue dielectric parameters:	$\epsilon_r$ : 51.72 $\sigma$ : 1.968
Test Position	lap
Device Frequency	2440 MHz
Maximum 1 gram SAR:	0.076W/Kg
Maximum 10 gram SAR:	0.039/Kg
Power reference start:	0.012W/Kg
Power reference end	0.012W/Kg
Power reference change <sup>2</sup>	-0.00%

<sup>1</sup> 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.

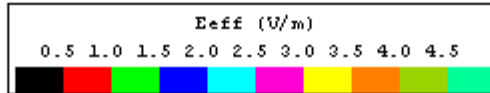
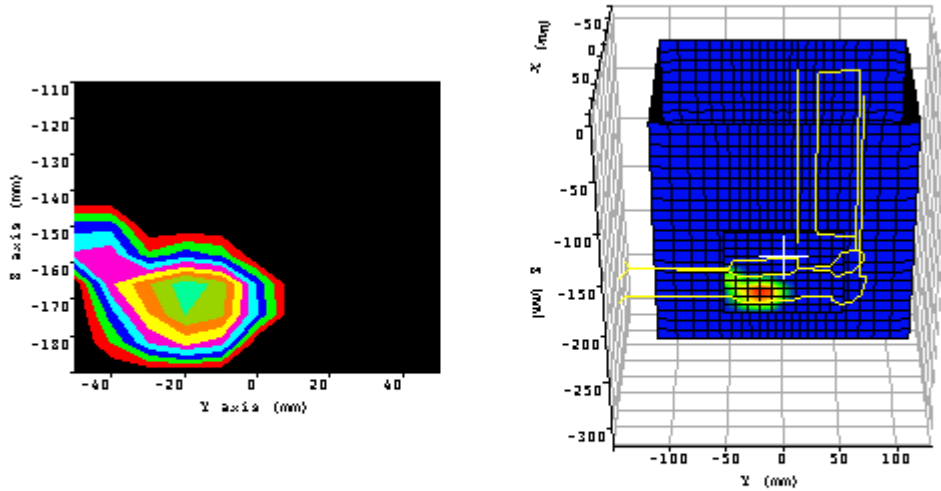
<sup>2</sup> The power reference change is calculated by the test system with more digits than indicated in the power reference start and end values.



Plot 7.	
Date:	04/14/2003
Temperature Air / Liquid:	21.0°C / 21.0°C
Liquid mass density ( $\rho$ ):	1
DCP <sup>1</sup>	20
Probe S/N:0123 Air Factor	X=346, Y=318, Z=386
Probe S/N:0123 liquid/air conversion Factor	0.816
Simulated tissue dielectric parameters:	$\epsilon_r$ : 51.01 $\sigma$ : 1.948
Test Position	lap
Device Frequency	2402 MHz
Maximum 1 gram SAR:	0.111W/Kg
Maximum 10 gram SAR:	0.055/Kg
Power reference start:	0.020W/Kg
Power reference end	0.020W/Kg
Power reference change <sup>2</sup>	-0.00%

<sup>1</sup> 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.

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



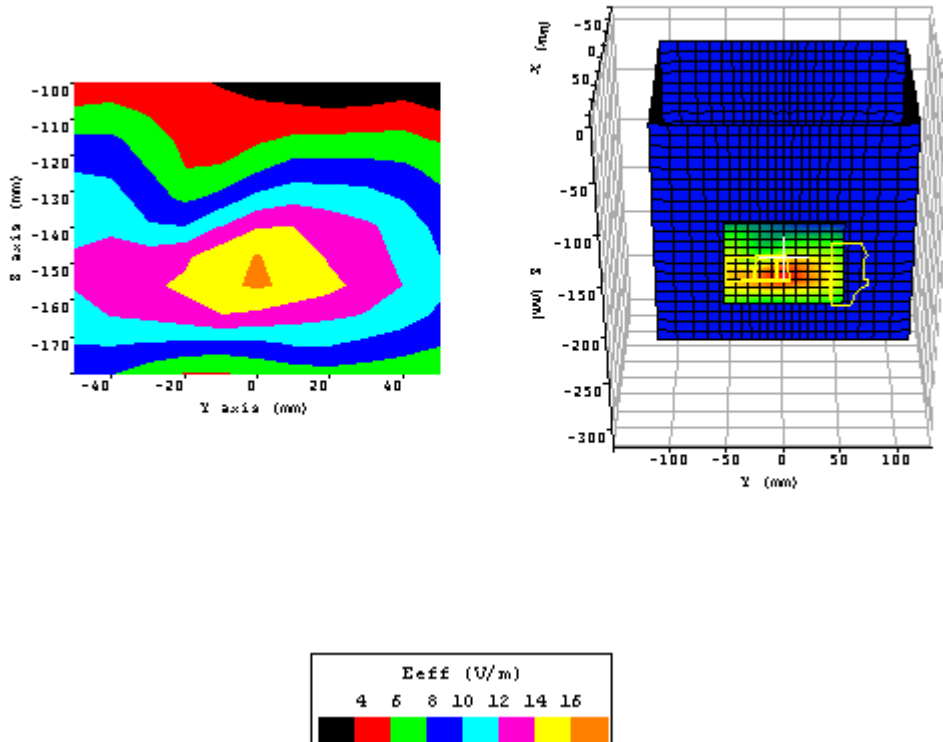
Plot 8.	
Date:	04/14/2003
Temperature Air / Liquid:	21.0°C / 21.0°C
Liquid mass density ( $\rho$ ):	1
DCP <sup>1</sup>	20
Probe S/N:0123 Air Factor	X=346, Y=318, Z=386
Probe S/N:0123 liquid/air conversion Factor	0.816
Simulated tissue dielectric parameters:	$\epsilon_r$ : 51.84 $\sigma$ : 1.971
Test Position	lap
Device Frequency	2480 MHz
Maximum 1 gram SAR:	0.094W/Kg
Maximum 10 gram SAR:	0.036/Kg
Power reference start:	0.010W/Kg
Power reference end	0.010W/Kg
Power reference change <sup>2</sup>	-0.00%

<sup>1</sup> 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.

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



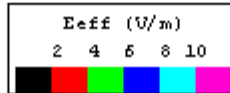
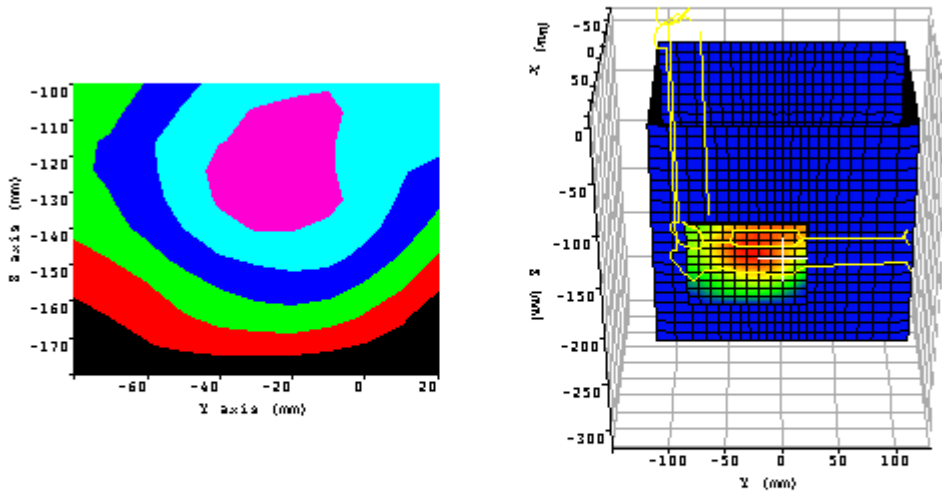
**1902G 850 MHz band:**



Plot 9.	
Date:	04/03/2003
Temperature Air / Liquid:	21.0°C / 21.0°C
Liquid mass density ( $\rho$ ):	1
DCP <sup>1</sup>	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:	$\epsilon_r$ : 55.5 $\sigma$ : 0.985
Test Position:	bystander 1 cm
Channel / Frequency	192 / 836.6 MHz
Maximum 1 gram SAR:	0.315W/Kg
Maximum 10 gram SAR:	0.215W/Kg
Power reference start:	0.170W/Kg
Power reference end	0.170W/Kg
Power reference change <sup>2</sup>	0.00%

<sup>1</sup> 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.

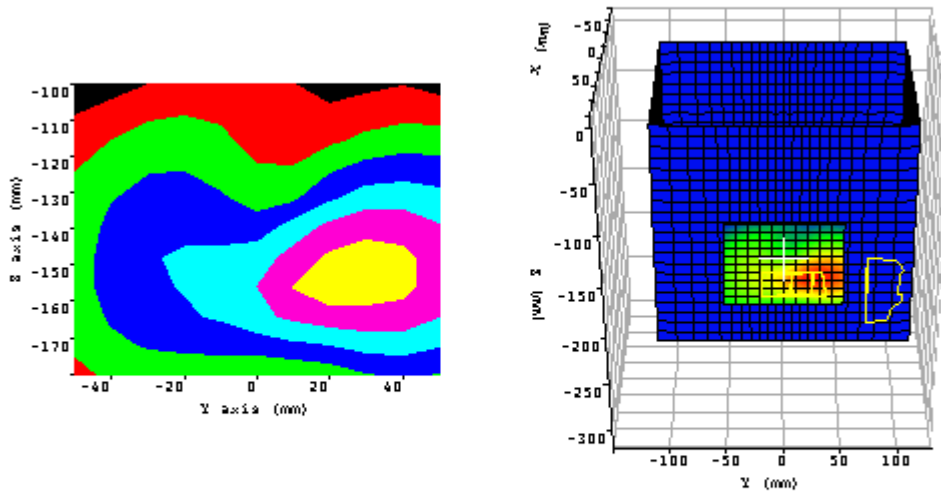
<sup>2</sup> The power reference change is calculated by the test system with more digits than indicated in the power reference start and end values.



Plot 10.	
Date:	04/03/2003
Temperature Air / Liquid:	21.0°C / 21.0°C
Liquid mass density ( $\rho$ ):	1
DCP <sup>1</sup>	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:	$\epsilon_r$ : 55.5 $\sigma$ : 0.985
Test Position:	lap
Channel / Frequency	192 / 836.6 MHz
Maximum 1 gram SAR:	0.140W/Kg
Maximum 10 gram SAR:	0.103W/Kg
Power reference start:	0.075W/Kg
Power reference end	0.077W/Kg
Power reference change <sup>2</sup>	3.31%

<sup>1</sup> 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.

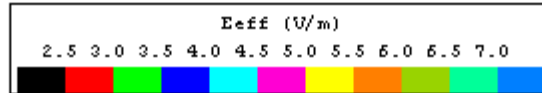
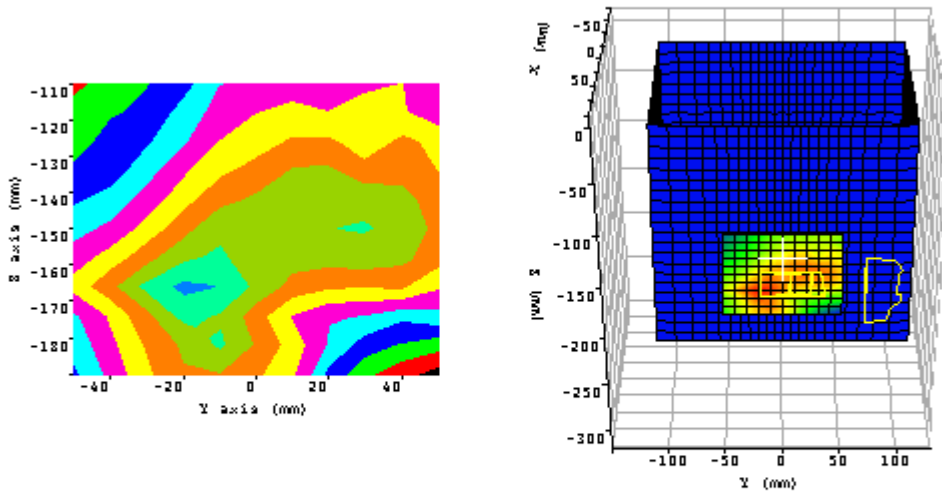
<sup>2</sup> The power reference change is calculated by the test system with more digits than indicated in the power reference start and end values.



Plot 11.	
Date:	04/03/2003
Temperature Air / Liquid:	21.0°C / 21.0°C
Liquid mass density ( $\rho$ ):	1
DCP <sup>1</sup>	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:	$\epsilon_r$ : 56.12 $\sigma$ : 0.971
Test Position:	lap
Channel / Frequency	128 / 824.2 MHz
Maximum 1 gram SAR:	0.222W/Kg
Maximum 10 gram SAR:	0.182W/Kg
Power reference start:	0.105W/Kg
Power reference end	0.101W/Kg
Power reference change <sup>2</sup>	-3.31%

<sup>1</sup> 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.

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

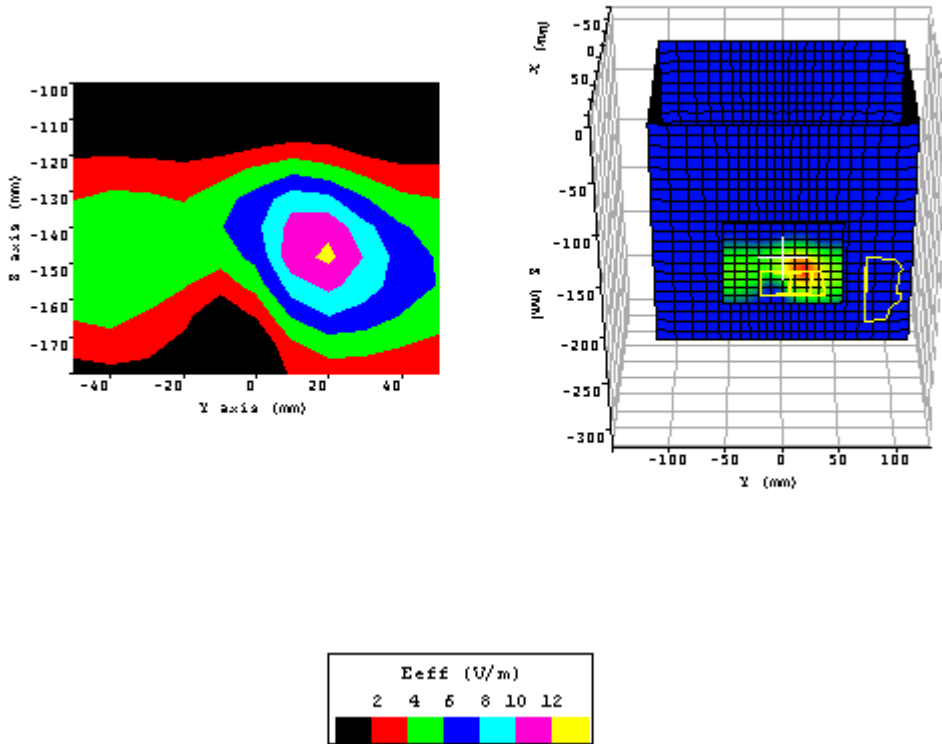


Plot 12.	
Date:	04/03/2003
Temperature Air / Liquid:	21.0°C / 21.0°C
Liquid mass density ( $\rho$ ):	1
DCP <sup>1</sup>	X=9, Y=13.6, Z=8.7
Probe S/N:0123 Air Factor	X=346, Y=318, Z=386
Probe S/N:0123 liquid/air conversion Factor	0.466
Simulated tissue dielectric parameters:	$\epsilon_r$ : 55.38 $\sigma$ : 0.979
Test Position:	lap
Channel / Frequency	251 / 848.8 MHz
Maximum 1 gram SAR:	0.204W/Kg
Maximum 10 gram SAR:	0.071W/Kg
Power reference start:	0.028W/Kg
Power reference end	0.029W/Kg
Power reference change <sup>2</sup>	1.91%

<sup>1</sup> 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.

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

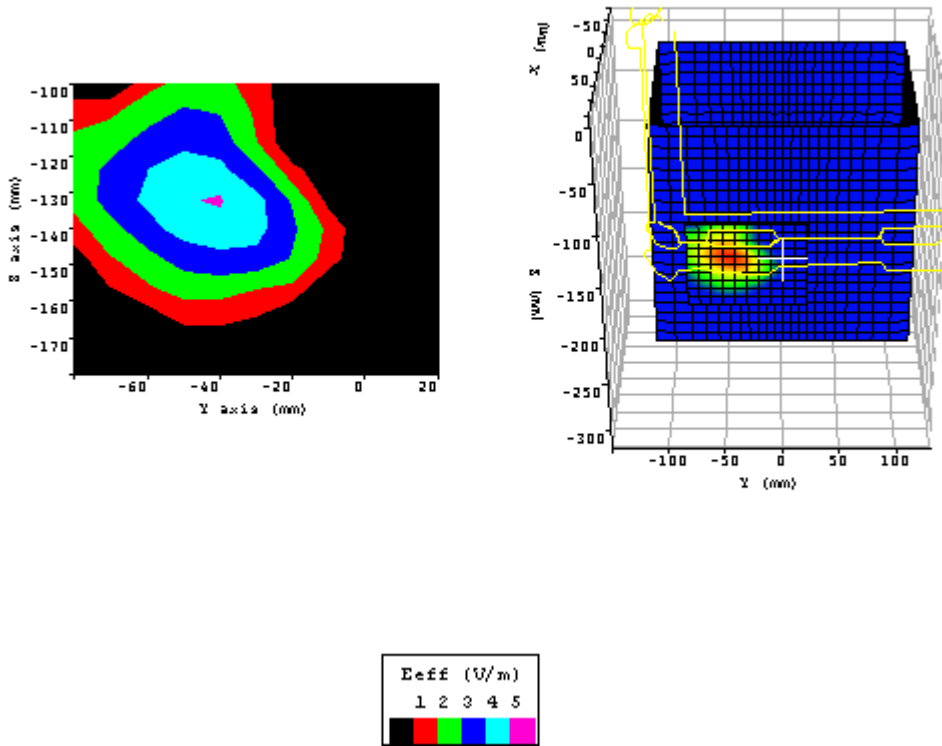
**1902G 1900 MHz band:**



Plot 13.	
Date:	04/03/2003
Temperature Air / Liquid:	21.0°C / 21.0°C
Liquid mass density ( $\rho$ ):	1
DCP <sup>1</sup>	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:	$\epsilon_r$ : 53.25 $\sigma$ : 1.580
Test Position:	bystander 1 cm
Channel / Frequency	661 / 1880 MHz
Maximum 1 gram SAR:	0.295W/Kg
Maximum 10 gram SAR:	0.150W/Kg
Power reference start:	0.079W/Kg
Power reference end	0.079W/Kg
Power reference change <sup>2</sup>	-0.00%

<sup>1</sup> 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.

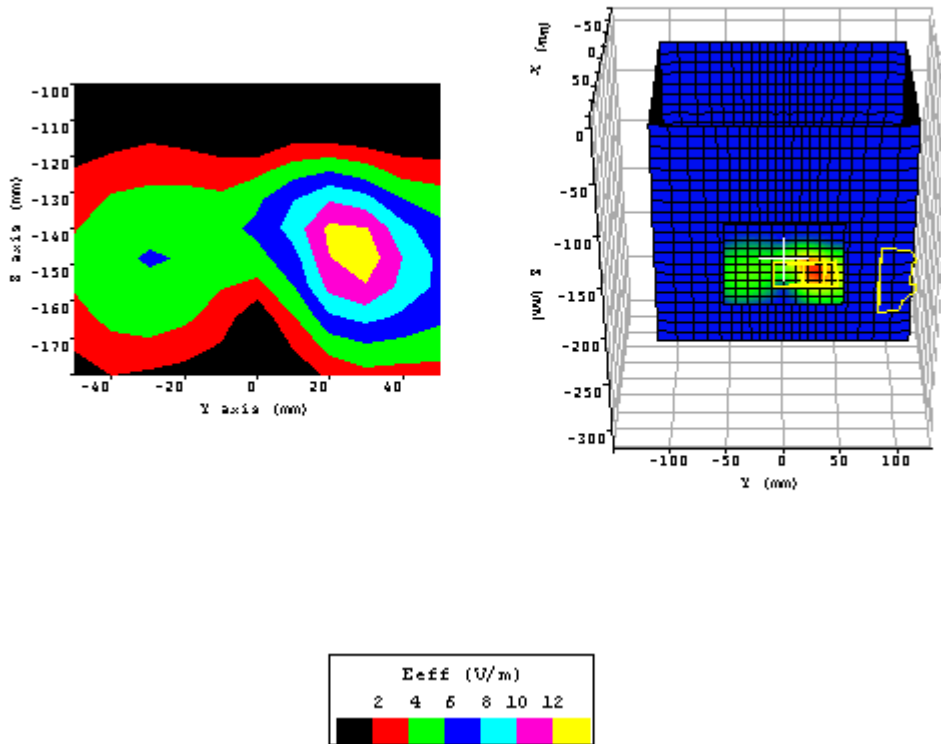
<sup>2</sup> The power reference change is calculated by the test system with more digits than indicated in the power reference start and end values.



Plot 14.	
Date:	04/03/2003
Temperature Air / Liquid:	21.0°C / 21.0°C
Liquid mass density ( $\rho$ ):	1
DCP <sup>1</sup>	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:	$\epsilon_r$ : 53.25 $\sigma$ : 1.580
Test Position:	lap
Channel / Frequency	661 / 1880 MHz
Maximum 1 gram SAR:	0.054W/Kg
Maximum 10 gram SAR:	0.028W/Kg
Power reference start:	0.010W/Kg
Power reference end	0.010W/Kg
Power reference change <sup>2</sup>	-0.00%

<sup>1</sup> 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.

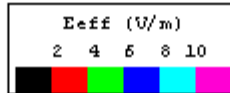
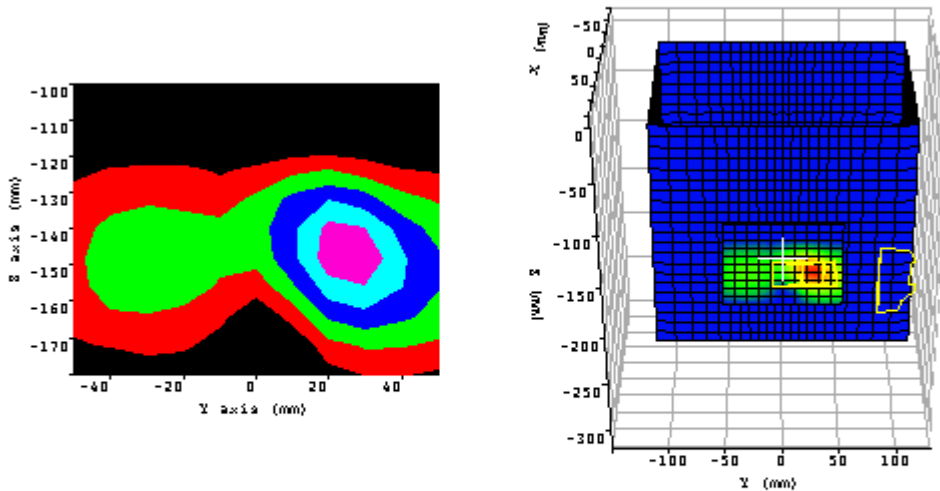
<sup>2</sup> The power reference change is calculated by the test system with more digits than indicated in the power reference start and end values.



<b>Plot 15.</b>	
Date:	04/03/2003
Temperature Air / Liquid:	21.0°C / 21.0°C
Liquid mass density ( $\rho$ ):	1
DCP <sup>1</sup>	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:	$\epsilon_r$ : 53.38 $\sigma$ : 1.566
Test Position:	bystander 1 cm
Channel / Frequency	512 / 1850.2 MHz
Maximum 1 gram SAR:	0.348W/Kg
Maximum 10 gram SAR:	0.176W/Kg
Power reference start:	0.099W/Kg
Power reference end	0.100W/Kg
Power reference change <sup>2</sup>	1.63%

<sup>1</sup> 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.

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



Plot 16.	
Date:	04/03/2003
Temperature Air / Liquid:	21.0°C / 21.0°C
Liquid mass density ( $\rho$ ):	1
DCP <sup>1</sup>	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:	$\epsilon_r$ : 53.02 $\sigma$ : 1.586
Test Position:	bystander 1 cm
Channel / Frequency	810 / 1909.8 MHz
Maximum 1 gram SAR:	0.263W/Kg
Maximum 10 gram SAR:	0.132W/Kg
Power reference start:	0.073W/Kg
Power reference end	0.074W/Kg
Power reference change <sup>2</sup>	1.85%

<sup>1</sup> 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.

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