

Appendix A

TEST DATA AND GRAPHIC PLOTS

SAR Data Report Uniden Base scan15

Start : 24-Jun-02 01:50:51 pm
End : 24-Jun-02 01:59:27 pm
Code Version : 4.12
Robot Version: 4.08

Product Data:

Type : Uniden Base
Frequency : 5800 MHz
Antenna Type : Plate
Antenna Posn. : In

Measurement Data:

Phantom Name : APREL-Uni
Phantom Type : Uniphantom
Tissue Type : Muscle
Tissue Dielectric : 46.100
Tissue Conductivity : 6.900
Tissue Density : 1.000
Crest Factor : 2.000
Robot Name : CRS

Probe Data:

Probe Name : 163
Probe Type : E Fld Triangle
Frequency : 5800 MHz
Tissue Type : Muscle
Calibrated Dielectric : 46.100
Calibrated Conductivity : 6.900
Probe Offset : 2.500 mm
Conversion Factor : 2.500
Diode Compression Pt : 76.0 mV
Probe Sensitivity : 0.580 0.580 0.580 mV/(mW/cm^2)
Amplifier Gains : 20.00 20.00 20.00
Chan. Offset (mV) : 1.21 1.34 1.13

Sample:

Rate: 6000 Samples/Sec
Count: 1000 Samples
NIDAQ Gain: 5
Scan Time: 166.7 msec

Comments:

Top Side Up
Low Channel
0 Separation

Area Scan - Max Local SAR Value at x=23.0 y=-18.0 = 1.04 W/kg

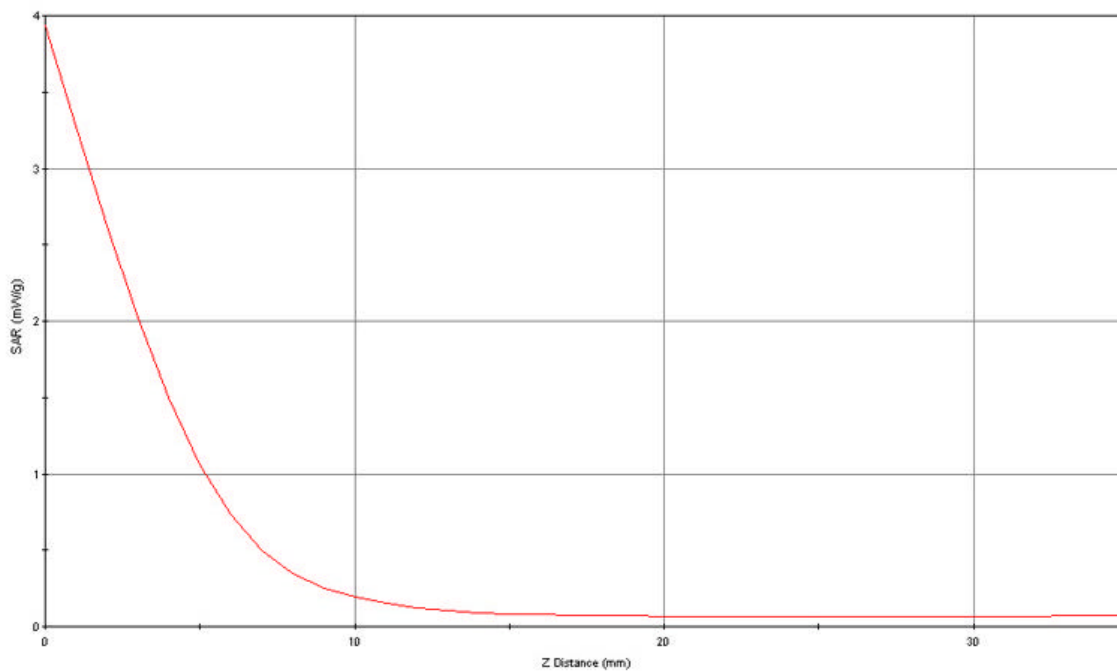
Zoom Scan - Max Local SAR Value at x=23.0 y=-17.0 z=0.0 = 3.94 W/kg

Max 1g SAR at x=23.0 y=-16.0 z=0.0 = 1.53 W/kg

Max 10g SAR at x=23.0 y=-15.0 z=0.0 = 0.63 W/kg



SAR – Z Axis
At Hotspot x:23.0 y:-17.0

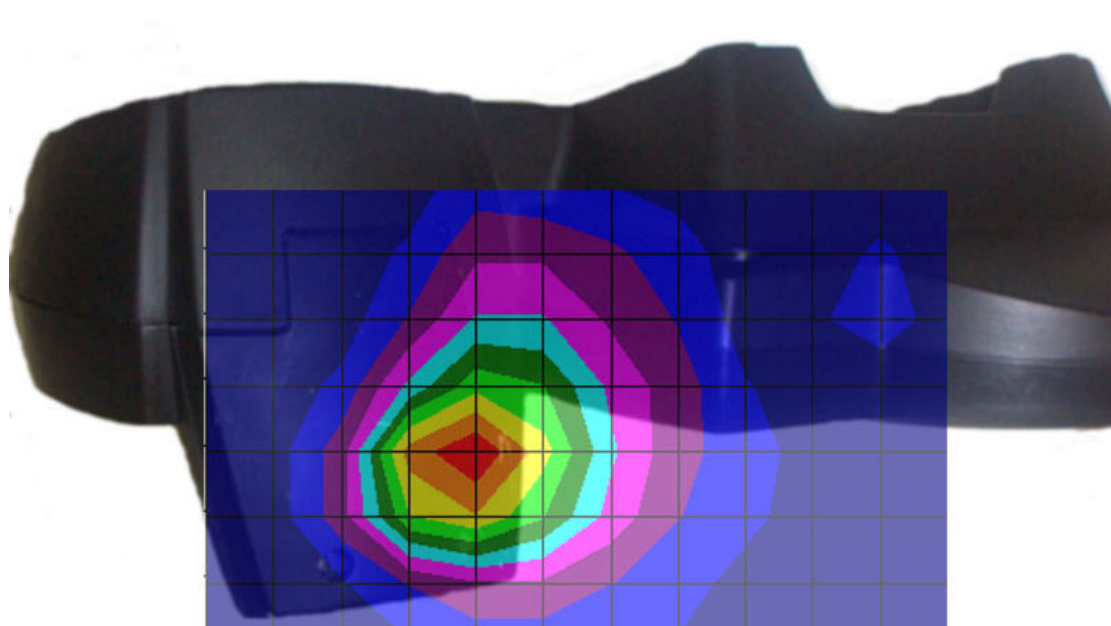


GRAPH 1 (SCAN15)

TOP SIDE UP

Distance 0 mm

Frequency: 5742.980 MHz



SAR Data Report Uniden Base scan16

Start : 24-Jun-02 12:03:24 pm
End : 24-Jun-02 12:11:55 pm
Code Version : 4.12
Robot Version: 4.08

Product Data:

Type : Uniden Base
Frequency : 5800 MHz
Antenna Type : Plate
Antenna Posn. : In

Measurement Data:

Phantom Name : APREL-Uni
Phantom Type : Uniphantom
Tissue Type : Muscle
Tissue Dielectric : 46.100
Tissue Conductivity : 6.900
Tissue Density : 1.000
Crest Factor : 2.000
Robot Name : CRS

Probe Data:

Probe Name : 163
Probe Type : E Fld Triangle
Frequency : 5800 MHz
Tissue Type : Muscle
Calibrated Dielectric : 46.100
Calibrated Conductivity : 6.900
Probe Offset : 2.500 mm
Conversion Factor : 2.500
Diode Compression Pt : 76.0 mV
Probe Sensitivity : 0.580 0.580 0.580 mV/(mW/cm^2)
Amplifier Gains : 20.00 20.00 20.00
Chan. Offset (mV) : 1.21 1.34 1.13

Sample:

Rate: 6000 Samples/Sec
Count: 1000 Samples
NIDAQ Gain: 5
Scan Time: 166.7 msec

Comments:

Top Side Up
Mid Channel
0 Separation

Area Scan - Max Local SAR Value at x=21.0 y=-13.0 = 0.50 W/kg

Zoom Scan - Max Local SAR Value at x=24.0 y=-15.0 z=0.0 = 1.74 W/kg

Max 1g SAR at x=24.0 y=-14.0 z=0.0 = 0.69 W/kg

Max 10g SAR at x=23.0 y=-11.0 z=0.0 = 0.30 W/kg

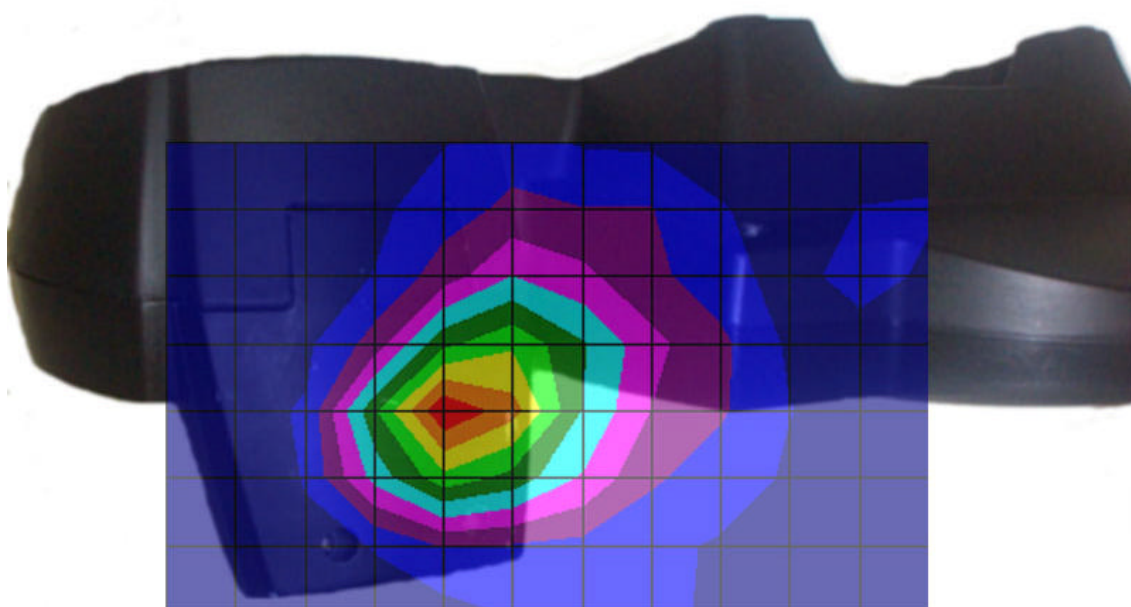


GRAPH 2 (SCAN16)

TOP SIDE UP

Distance 0 mm

Frequency: 5788.880 MHz



SAR Data Report Uniden Base scan17

Start : 24-Jun-02 12:15:19 pm
End : 24-Jun-02 12:23:51 pm
Code Version : 4.12
Robot Version: 4.08

Product Data:

Type : Uniden Base
Frequency : 5800 MHz
Antenna Type : Plate
Antenna Posn. : In

Measurement Data:

Phantom Name : APREL-Uni
Phantom Type : Uniphantom
Tissue Type : Muscle
Tissue Dielectric : 46.100
Tissue Conductivity : 6.900
Tissue Density : 1.000
Crest Factor : 2.000
Robot Name : CRS

Probe Data:

Probe Name : 163
Probe Type : E Fld Triangle
Frequency : 5800 MHz
Tissue Type : Muscle
Calibrated Dielectric : 46.100
Calibrated Conductivity : 6.900
Probe Offset : 2.500 mm
Conversion Factor : 2.500
Diode Compression Pt : 76.0 mV
Probe Sensitivity : 0.580 0.580 0.580 mV/(mW/cm^2)
Amplifier Gains : 20.00 20.00 20.00
Chan. Offset (mV) : 1.21 1.34 1.13

Sample:

Rate: 6000 Samples/Sec
Count: 1000 Samples
NIDAQ Gain: 5
Scan Time: 166.7 msec

Comments:

Top Side Up
High Channel
0 Separation

Area Scan - Max Local SAR Value at x=22.0 y=-13.0 = 0.27 W/kg

Zoom Scan - Max Local SAR Value at x=19.0 y=-14.0 z=0.0 = 0.94 W/kg

Max 1g SAR at x=21.0 y=-13.0 z=0.0 = 0.37 W/kg

Max 10g SAR at x=22.0 y=-13.0 z=0.0 = 0.19 W/kg

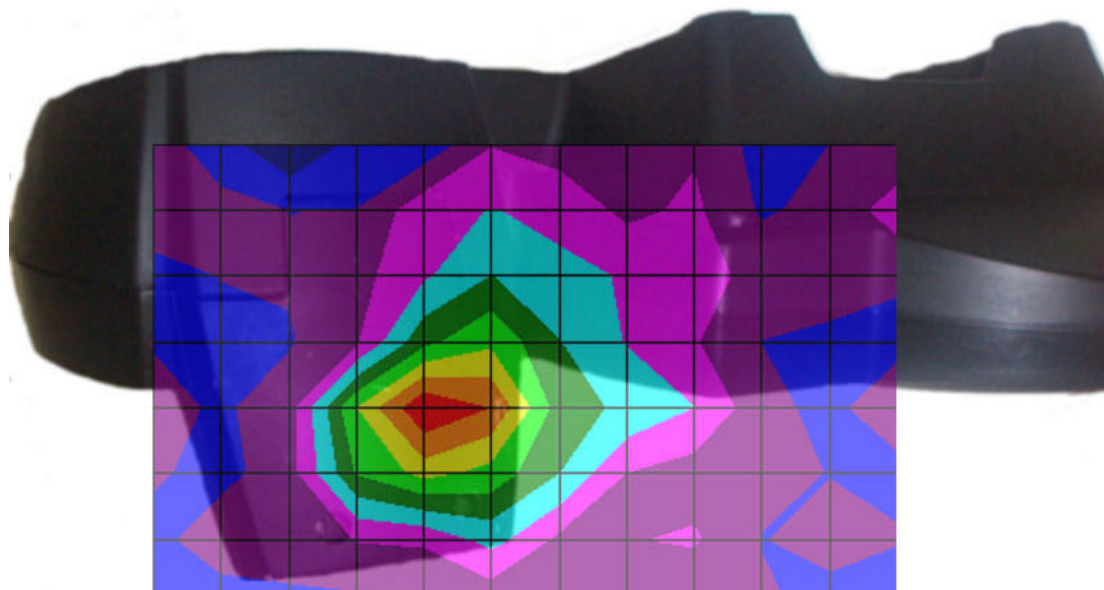


GRAPH 3 (SCAN17)

TOP SIDE UP

Distance 0 mm

Frequency: 5834.780 MHz



SAR Data Report Uniden Base scan15-1

Start : 5-Jul-02 02:42:51 pm
 End : 5-Jul-02 02:50:36 pm
 Code Version : 4.12
 Robot Version: 0.00

Product Data:

Type : Uniden Base
 Frequency : 5800 MHz
 Antenna Type : Plate
 Antenna Posn. : In

Measurement Data:

Phantom Name : APREL-Uni
 Phantom Type : Uniphantom
 Tissue Type : Muscle
 Tissue Dielectric : 46.100
 Tissue Conductivity : 6.900
 Tissue Density : 1.000
 Crest Factor : 2.000
 Robot Name : CRS

Probe Data:

Probe Name : 163
 Probe Type : E Fld Triangle
 Frequency : 5800 MHz
 Tissue Type : Muscle
 Calibrated Dielectric : 46.100
 Calibrated Conductivity : 6.900
 Probe Offset : 2.500 mm
 Conversion Factor : 2.500
 Diode Compression Pt : 76.0 mV
 Probe Sensitivity : 0.580 0.580 0.580 mV/(mW/cm^2)
 Amplifier Gains : 20.00 20.00 20.00
 Chan. Offset (mV) : 1.32 1.37 1.28

Sample:

Rate: 6000 Samples/Sec
 Count: 1000 Samples
 NIDAQ Gain: 5
 Scan Time: 166.7 msec

Comments:

Top Side Up
 Low Channel
 10mm Separation

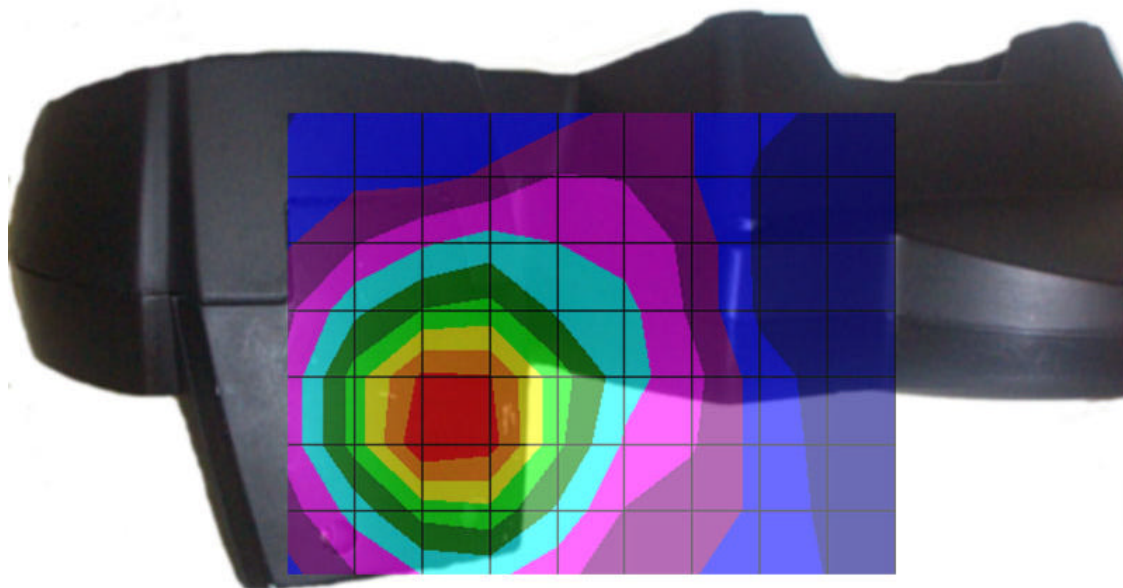
Area Scan - Max Local SAR Value at x=27.0 y=-32.0 = 0.71 W/kg

Zoom Scan - Max Local SAR Value at x=26.0 y=-28.0 z=0.0 = 2.67 W/kg

Max 1g SAR at x=27.0 y=-29.0 z=0.0 = 1.05 W/kg

Max 10g SAR at x=26.0 y=-28.0 z=0.0 = 0.45 W/kg

GRAPH 4 (SCAN15-1)
TOP SIDE UP
Distance: 10 mm
Frequency: 5742.980 MHz



SAR Data Report Uniden Base scan01

Start : 21-Jun-02 01:17:28 pm
End : 21-Jun-02 01:23:25 pm
Code Version : 4.12
Robot Version: 4.08

Product Data:

Type : Uniden Base
Frequency : 5800 MHz
Antenna Type : Plate
Antenna Posn. : In

Measurement Data:

Phantom Name : APREL-Uni
Phantom Type : Uniphantom
Tissue Type : Muscle
Tissue Dielectric : 46.100
Tissue Conductivity : 6.900
Tissue Density : 1.000
Crest Factor : 2.000
Robot Name : CRS

Probe Data:

Probe Name : 163
Probe Type : E Fld Triangle
Frequency : 5800 MHz
Tissue Type : Muscle
Calibrated Dielectric : 46.100
Calibrated Conductivity : 6.900
Probe Offset : 2.500 mm
Conversion Factor : 2.500
Diode Compression Pt : 76.0 mV
Probe Sensitivity : 0.580 0.580 0.580 mV/(mW/cm^2)
Amplifier Gains : 20.00 20.00 20.00
Chan. Offset (mV) : 1.09 1.19 1.07

Sample:

Rate: 6000 Samples/Sec
Count: 1000 Samples
NIDAQ Gain: 5
Scan Time: 166.7 msec

Comments:

Keyboard Side Up
Low Channel
0 Separation

Area Scan - Max Local SAR Value at x=-11.0 y=-12.0 = 0.70 W/kg

Zoom Scan - Max Local SAR Value at x=-9.0 y=-8.0 z=0.0 = 2.85 W/kg

Max 1g SAR at x=-9.0 y=-8.0 z=0.0 = 1.03 W/kg

Max 10g SAR at x=-5.0 y=-5.0 z=0.0 = 0.45 W/kg



GRAPH 5 (SCAN01)
KEYBOARD SIDE UP
Distance 0 mm
Frequency: 5742.980 MHz



SAR Data Report Uniden Base scan02

Start : 21-Jun-02 01:26:30 pm
End : 21-Jun-02 01:32:26 pm
Code Version : 4.12
Robot Version: 4.08

Product Data:

Type : Uniden Base
Frequency : 5800 MHz
Antenna Type : Plate
Antenna Posn. : In

Measurement Data:

Phantom Name : APREL-Uni
Phantom Type : Uniphantom
Tissue Type : Muscle
Tissue Dielectric : 46.100
Tissue Conductivity : 6.900
Tissue Density : 1.000
Crest Factor : 2.000
Robot Name : CRS

Probe Data:

Probe Name : 163
Probe Type : E Fld Triangle
Frequency : 5800 MHz
Tissue Type : Muscle
Calibrated Dielectric : 46.100
Calibrated Conductivity : 6.900
Probe Offset : 2.500 mm
Conversion Factor : 2.500
Diode Compression Pt : 76.0 mV
Probe Sensitivity : 0.580 0.580 0.580 mV/(mW/cm^2)
Amplifier Gains : 20.00 20.00 20.00
Chan. Offset (mV) : 1.09 1.19 1.07

Sample:

Rate: 6000 Samples/Sec
Count: 1000 Samples
NIDAQ Gain: 5
Scan Time: 166.7 msec

Comments:

Keyboard Side Up
Mid Channel
0 Separation

Area Scan - Max Local SAR Value at x=-11.0 y=-10.0 = 0.39 W/kg

Zoom Scan - Max Local SAR Value at x=-11.0 y=-11.0 z=0.0 = 1.30 W/kg

Max 1g SAR at x=-11.0 y=-11.0 z=0.0 = 0.56 W/kg

Max 10g SAR at x=-5.0 y=-5.0 z=0.0 = 0.29 W/kg

GRAPH 6 (SCAN02)
KEYBOARD SIDE UP
Distance 0 mm
Frequency: 5788.880 MHz



SAR Data Report Uniden Base scan03

Start : 21-Jun-02 01:35:00 pm
End : 21-Jun-02 01:40:59 pm
Code Version : 4.12
Robot Version: 4.08

Product Data:

Type : Uniden Base
Frequency : 5800 MHz
Antenna Type : Plate
Antenna Posn. : In

Measurement Data:

Phantom Name : APREL-Uni
Phantom Type : Uniphantom
Tissue Type : Muscle
Tissue Dielectric : 46.100
Tissue Conductivity : 6.900
Tissue Density : 1.000
Crest Factor : 2.000
Robot Name : CRS

Probe Data:

Probe Name : 163
Probe Type : E Fld Triangle
Frequency : 5800 MHz
Tissue Type : Muscle
Calibrated Dielectric : 46.100
Calibrated Conductivity : 6.900
Probe Offset : 2.500 mm
Conversion Factor : 2.500
Diode Compression Pt : 76.0 mV
Probe Sensitivity : 0.580 0.580 0.580 mV/(mW/cm^2)
Amplifier Gains : 20.00 20.00 20.00
Chan. Offset (mV) : 1.09 1.19 1.07

Sample:

Rate: 6000 Samples/Sec
Count: 1000 Samples
NIDAQ Gain: 5
Scan Time: 166.7 msec

Comments:

Keyboard Side Up
High Channel
0 Separation

Area Scan - Max Local SAR Value at x=0.0 y=35.0 = 0.53 W/kg

Zoom Scan - Max Local SAR Value at x=-16.0 y=-16.0 z=0.0 = 1.09 W/kg

Max 1g SAR at x=-11.0 y=-8.0 z=0.0 = 0.32 W/kg

Max 10g SAR at x=-5.0 y=-5.0 z=0.0 = 0.22 W/kg

GRAPH 7 (SCAN03)
KEYBOARD SIDE UP
Distance 0 mm
Frequency: 5834.780 MHz



SAR Data Report Uniden Base scan04

Start : 21-Jun-02 02:16:01 pm
End : 21-Jun-02 02:23:52 pm
Code Version : 4.12
Robot Version: 4.08

Product Data:

Type : Uniden Base
Frequency : 5800 MHz
Antenna Type : Plate
Antenna Posn. : In

Measurement Data:

Phantom Name : APREL-Uni
Phantom Type : Uniphantom
Tissue Type : Muscle
Tissue Dielectric : 46.100
Tissue Conductivity : 6.900
Tissue Density : 1.000
Crest Factor : 2.000
Robot Name : CRS

Probe Data:

Probe Name : 163
Probe Type : E Fld Triangle
Frequency : 5800 MHz
Tissue Type : Muscle
Calibrated Dielectric : 46.100
Calibrated Conductivity : 6.900
Probe Offset : 2.500 mm
Conversion Factor : 2.500
Diode Compression Pt : 76.0 mV
Probe Sensitivity : 0.580 0.580 0.580 mV/(mW/cm^2)
Amplifier Gains : 20.00 20.00 20.00
Chan. Offset (mV) : 1.09 1.19 1.07

Sample:

Rate: 6000 Samples/Sec
Count: 1000 Samples
NIDAQ Gain: 5
Scan Time: 166.7 msec

Comments:

Keyboard Side Down
Low Channel
0 Separation

Area Scan - Max Local SAR Value at x=-13.0 y=-9.0 = 0.29 W/kg

Zoom Scan - Max Local SAR Value at x=-16.0 y=-4.0 z=0.0 = 0.79 W/kg

Max 1g SAR at x=-11.0 y=-2.0 z=0.0 = 0.37 W/kg

Max 10g SAR at x=-5.0 y=-3.0 z=0.0 = 0.24 W/kg

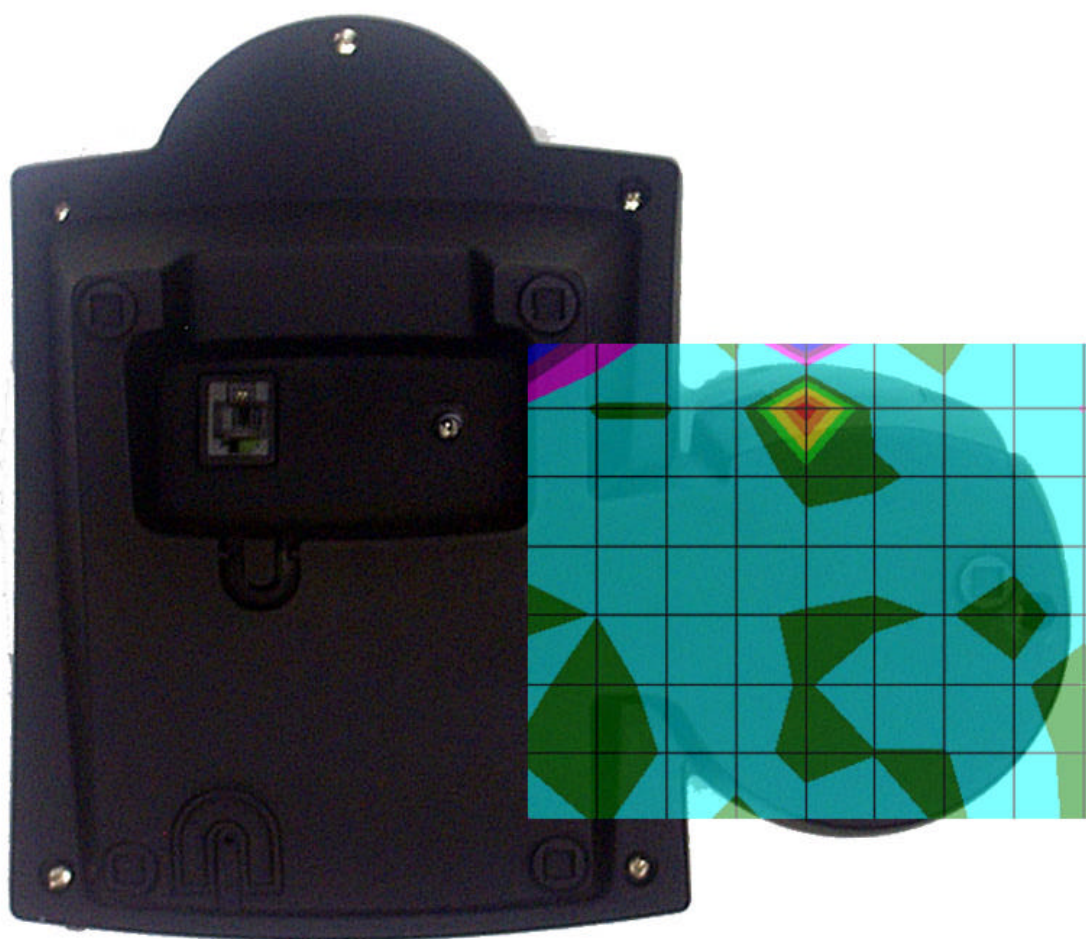


GRAPH 8 (SCAN04)

KEYBOARD SIDE DOWN

Distance 0 mm

Frequency: 5742.980 MHz



SAR Data Report Uniden Base scan05

Start : 21-Jun-02 02:25:47 pm
End : 21-Jun-02 02:33:38 pm
Code Version : 4.12
Robot Version: 4.08

Product Data:

Type : Uniden Base
Frequency : 5800 MHz
Antenna Type : Plate
Antenna Posn. : In

Measurement Data:

Phantom Name : APREL-Uni
Phantom Type : Uniphantom
Tissue Type : Muscle
Tissue Dielectric : 46.100
Tissue Conductivity : 6.900
Tissue Density : 1.000
Crest Factor : 2.000
Robot Name : CRS

Probe Data:

Probe Name : 163
Probe Type : E Fld Triangle
Frequency : 5800 MHz
Tissue Type : Muscle
Calibrated Dielectric : 46.100
Calibrated Conductivity : 6.900
Probe Offset : 2.500 mm
Conversion Factor : 2.500
Diode Compression Pt : 76.0 mV
Probe Sensitivity : 0.580 0.580 0.580 mV/(mW/cm^2)
Amplifier Gains : 20.00 20.00 20.00
Chan. Offset (mV) : 1.09 1.19 1.07

Sample:

Rate: 6000 Samples/Sec
Count: 1000 Samples
NIDAQ Gain: 5
Scan Time: 166.7 msec

Comments:

Keyboard Side Down
Mid Channel
0 Separation

Area Scan - Max Local SAR Value at x=-11.0 y=5.0 = 0.42 W/kg

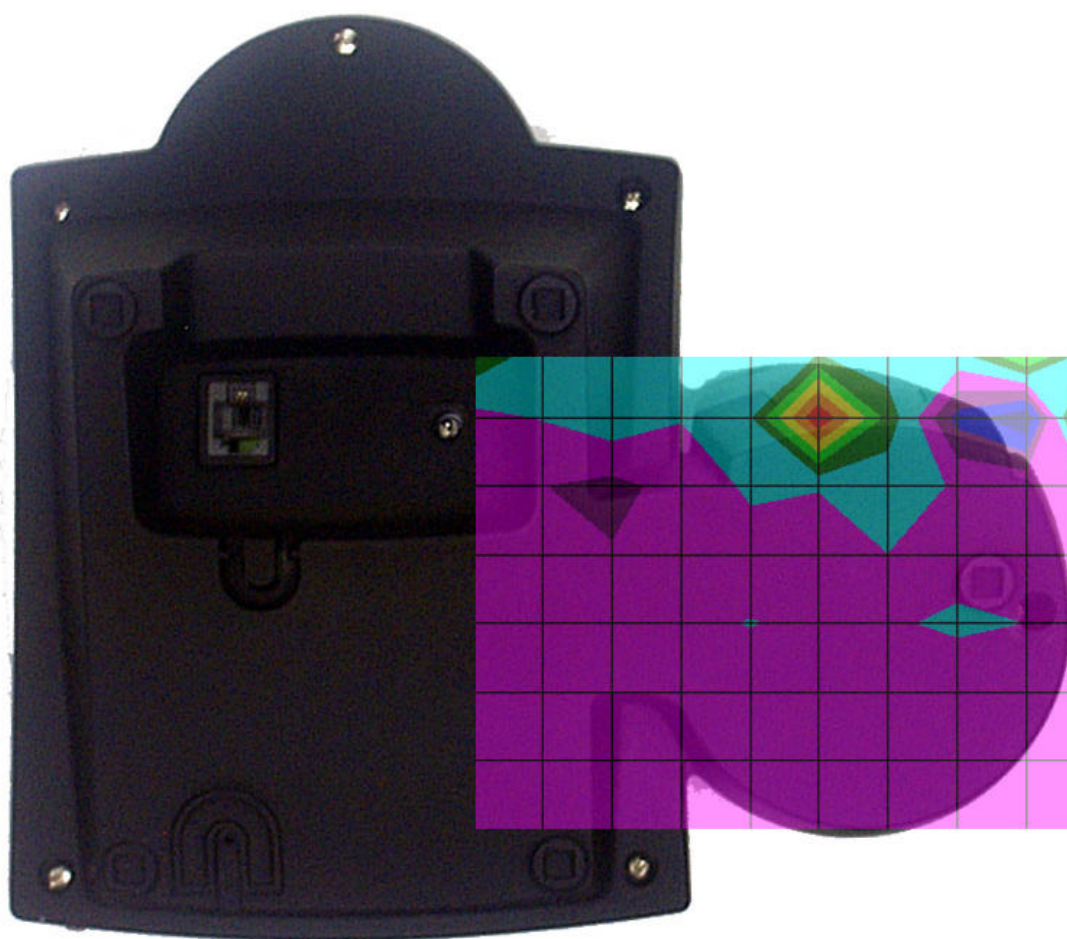
Zoom Scan - Max Local SAR Value at x=-16.0 y=0.0 z=0.0 = 0.82 W/kg

Max 1g SAR at x=-11.0 y=2.0 z=0.0 = 0.31 W/kg

Max 10g SAR at x=-5.0 y=-5.0 z=0.0 = 0.24 W/kg



GRAPH 9 (SCAN05)
KEYBOARD SIDE DOWN
Distance 0 mm
Frequency: 5788.880 MHz



SAR Data Report Uniden Base scan06

Start : 21-Jun-02 02:37:52 pm
End : 21-Jun-02 02:45:42 pm
Code Version : 4.12
Robot Version: 4.08

Product Data:

Type : Uniden Base
Frequency : 5800 MHz
Antenna Type : Plate
Antenna Posn. : In

Measurement Data:

Phantom Name : APREL-Uni
Phantom Type : Uniphantom
Tissue Type : Muscle
Tissue Dielectric : 46.100
Tissue Conductivity : 6.900
Tissue Density : 1.000
Crest Factor : 2.000
Robot Name : CRS

Probe Data:

Probe Name : 163
Probe Type : E Fld Triangle
Frequency : 5800 MHz
Tissue Type : Muscle
Calibrated Dielectric : 46.100
Calibrated Conductivity : 6.900
Probe Offset : 2.500 mm
Conversion Factor : 2.500
Diode Compression Pt : 76.0 mV
Probe Sensitivity : 0.580 0.580 0.580 mV/(mW/cm^2)
Amplifier Gains : 20.00 20.00 20.00
Chan. Offset (mV) : 1.09 1.19 1.07

Sample:

Rate: 6000 Samples/Sec
Count: 1000 Samples
NIDAQ Gain: 5
Scan Time: 166.7 msec

Comments:

Keyboard Side Down
High Channel
0 Separation

Area Scan - Max Local SAR Value at x=-9.0 y=-5.0 = 0.29 W/kg

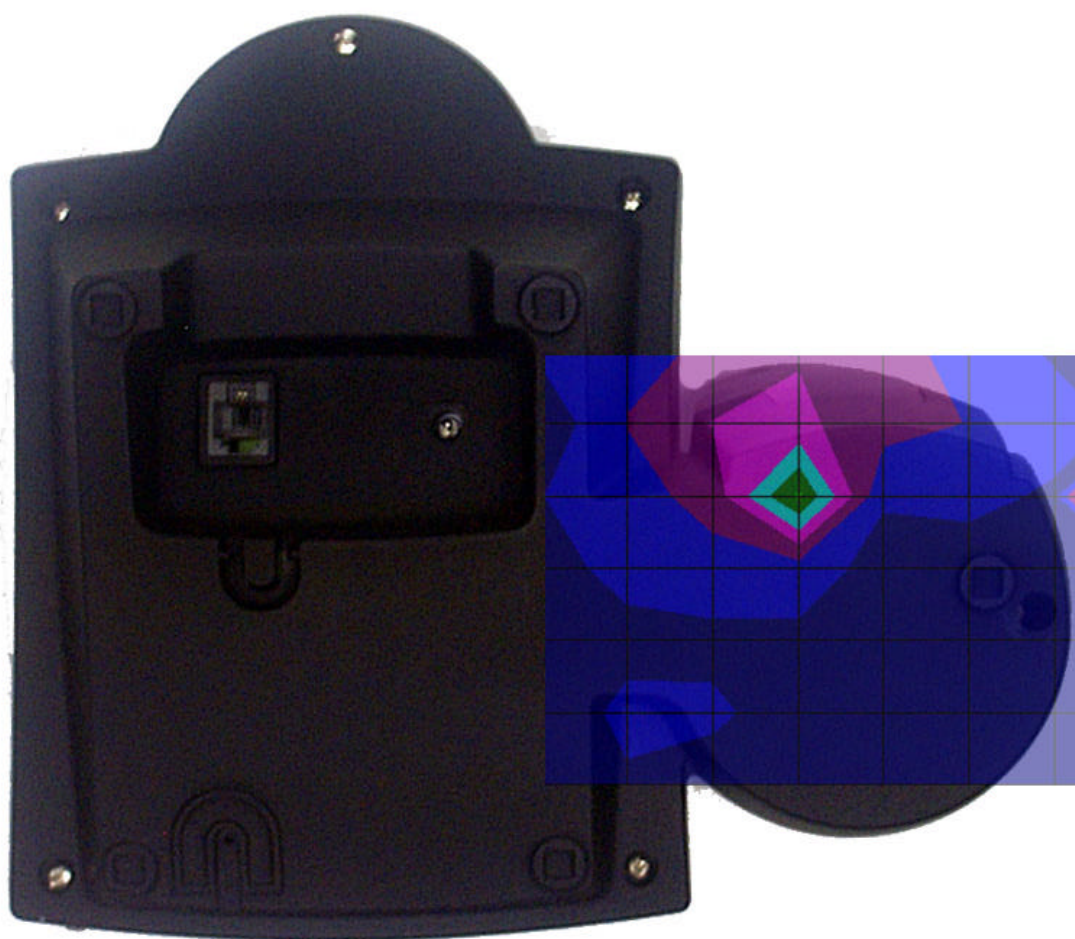
Zoom Scan - Max Local SAR Value at x=16.0 y=-16.0 z=0.0 = 0.44 W/kg

Max 1g SAR at x=-8.0 y=-9.0 z=0.0 = 0.25 W/kg

Max 10g SAR at x=-5.0 y=-4.0 z=4.0 = 0.21 W/kg



GRAPH 10 (SCAN06)
KEYBOARD SIDE DOWN
Distance 0 mm
Frequency: 5834.780 MHz



SAR Data Report Uniden Base scan07

Start : 21-Jun-02 03:18:41 pm
End : 21-Jun-02 03:25:03 pm
Code Version : 4.12
Robot Version: 4.08

Product Data:

Type : Uniden Base
Frequency : 5800 MHz
Antenna Type : Plate
Antenna Posn. : In

Measurement Data:

Phantom Name : APREL-Uni
Phantom Type : Uniphantom
Tissue Type : Muscle
Tissue Dielectric : 46.100
Tissue Conductivity : 6.900
Tissue Density : 1.000
Crest Factor : 2.000
Robot Name : CRS

Probe Data:

Probe Name : 163
Probe Type : E Fld Triangle
Frequency : 5800 MHz
Tissue Type : Muscle
Calibrated Dielectric : 46.100
Calibrated Conductivity : 6.900
Probe Offset : 2.500 mm
Conversion Factor : 2.500
Diode Compression Pt : 76.0 mV
Probe Sensitivity : 0.580 0.580 0.580 mV/(mW/cm^2)
Amplifier Gains : 20.00 20.00 20.00
Chan. Offset (mV) : 1.09 1.19 1.07

Sample:

Rate: 6000 Samples/Sec
Count: 1000 Samples
NIDAQ Gain: 5
Scan Time: 166.7 msec

Comments:

Left Side Up
Low Channel
0 Separation

Area Scan - Max Local SAR Value at x=-10.0 y=18.0 = 0.37 W/kg

Zoom Scan - Max Local SAR Value at x=-16.0 y=12.0 z=0.0 = 0.78 W/kg

Max 1g SAR at x=-11.0 y=11.0 z=0.0 = 0.38 W/kg

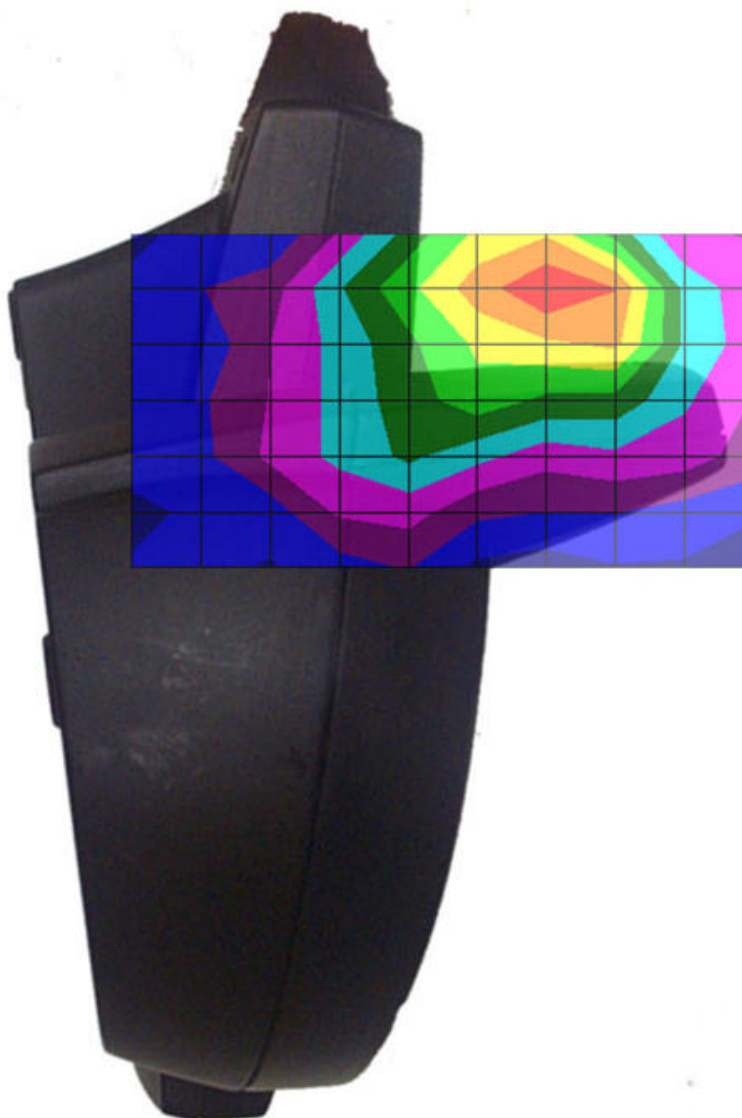
Max 10g SAR at x=-5.0 y=5.0 z=0.0 = 0.27 W/kg

GRAPH 11 (SCAN07)

LEFT SIDE UP

Distance 0 mm

Frequency: 5742.980 MHz



SAR Data Report Uniden Base scan08

Start : 21-Jun-02 03:45:02 pm
End : 21-Jun-02 03:51:23 pm
Code Version : 4.12
Robot Version: 4.08

Product Data:

Type : Uniden Base
Frequency : 5800 MHz
Antenna Type : Plate
Antenna Posn. : In

Measurement Data:

Phantom Name : APREL-Uni
Phantom Type : Uniphantom
Tissue Type : Muscle
Tissue Dielectric : 46.100
Tissue Conductivity : 6.900
Tissue Density : 1.000
Crest Factor : 2.000
Robot Name : CRS

Probe Data:

Probe Name : 163
Probe Type : E Fld Triangle
Frequency : 5800 MHz
Tissue Type : Muscle
Calibrated Dielectric : 46.100
Calibrated Conductivity : 6.900
Probe Offset : 2.500 mm
Conversion Factor : 2.500
Diode Compression Pt : 76.0 mV
Probe Sensitivity : 0.580 0.580 0.580 mV/(mW/cm^2)
Amplifier Gains : 20.00 20.00 20.00
Chan. Offset (mV) : 1.09 1.19 1.07

Sample:

Rate: 6000 Samples/Sec
Count: 1000 Samples
NIDAQ Gain: 5
Scan Time: 166.7 msec

Comments:

Left Side Up
Mid Channel
0 Separation

Area Scan - Max Local SAR Value at x=-3.0 y=21.0 = 0.25 W/kg

Zoom Scan - Max Local SAR Value at x=-16.0 y=-7.0 z=0.0 = 0.88 W/kg

Max 1g SAR at x=8.0 y=11.0 z=0.0 = 0.30 W/kg

Max 10g SAR at x=-5.0 y=-5.0 z=0.0 = 0.22 W/kg

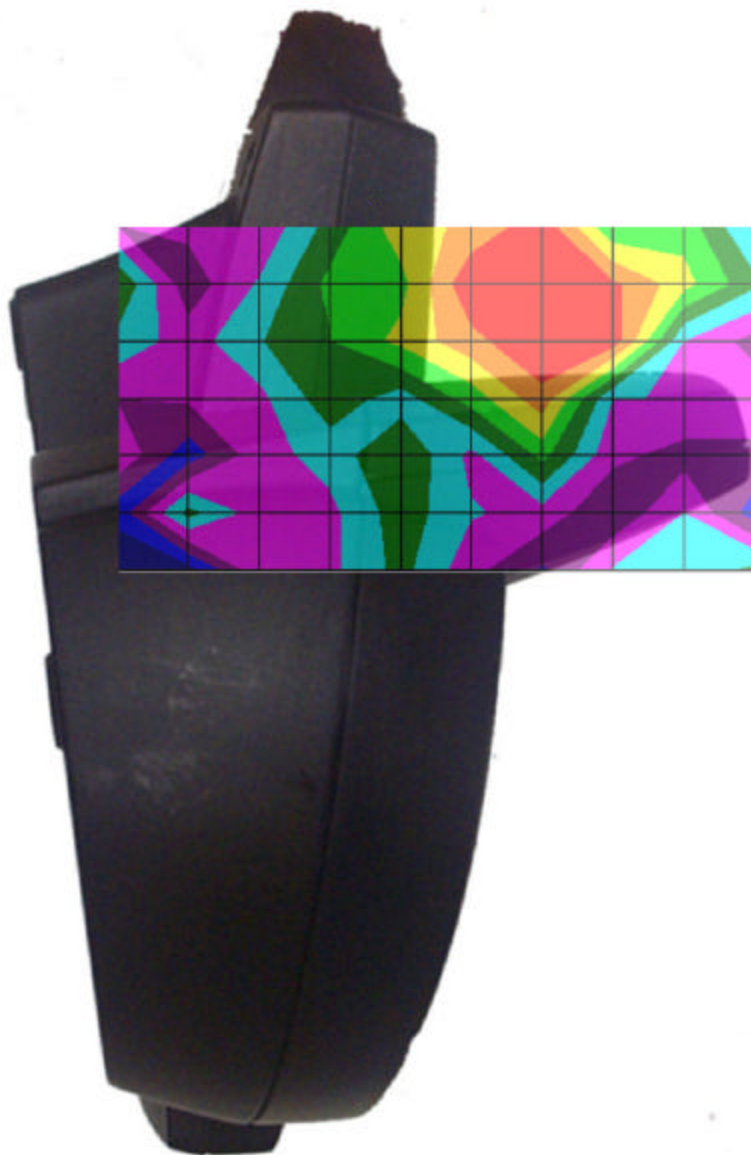


GRAPH 12 (SCAN08)

LEFT SIDE UP

Distance 0 mm

Frequency: 5788.880 MHz



SAR Data Report Uniden Base scan09

Start : 21-Jun-02 03:52:19 pm
End : 21-Jun-02 03:58:40 pm
Code Version : 4.12
Robot Version: 4.08

Product Data: Type : Uniden Base
Frequency : 5800 MHz
Antenna Type : Plate
Antenna Posn. : In

Measurement Data:

Phantom Name : APREL-Uni
Phantom Type : Uniphantom
Tissue Type : Muscle
Tissue Dielectric : 46.100
Tissue Conductivity : 6.900
Tissue Density : 1.000
Crest Factor : 2.000
Robot Name : CRS

Probe Data:

Probe Name : 163
Probe Type : E Fld Triangle
Frequency : 5800 MHz
Tissue Type : Muscle
Calibrated Dielectric : 46.100
Calibrated Conductivity : 6.900
Probe Offset : 2.500 mm
Conversion Factor : 2.500
Diode Compression Pt : 76.0 mV
Probe Sensitivity : 0.580 0.580 0.580 mV/(mW/cm²)
Amplifier Gains : 20.00 20.00 20.00
Chan. Offset (mV) : 1.09 1.19 1.07

Sample:

Rate: 6000 Samples/Sec
Count: 1000 Samples
NIDAQ Gain: 5
Scan Time: 166.7 msec

Comments:

Left Side Up
High Channel
0 Separation

Area Scan - Max Local SAR Value at x=-20.0 y=12.0 = 0.24 W/kg

Zoom Scan - Max Local SAR Value at x=16.0 y=-16.0 z=0.0 = 0.38 W/kg

Max 1g SAR at x=1.0 y=-9.0 z=0.0 = 0.22 W/kg

Max 10g SAR at x=5.0 y=-3.0 z=0.0 = 0.20 W/kg



GRAPH 13 (SCAN09)

LEFT SIDE UP

Distance 0 mm

Frequency: 5834.780 MHz

