

February 13, 2004

Federal Communications Commission
Equipment Approval Services
7435 Oakland Mills Road
Columbia, MD 21046
Attn: Diane Poole

SUBJECT: Itronix Corporation
FCC ID: KBCIX260MPIA555BT
731 Confirmation No.: EA983192
Correspondence Ref. No.: 26348

Dear Diane:

Submitted on behalf of Itronix Corp. is our response to your e-mail dated February 11, 2004 requesting additional information for the subject application.

1. Please find attached evaluated body SAR test data for the bottom of the Laptop PC in both PCS and cellular bands with only the CDMA modem transmitting (worst-case configuration).
2. Please find attached the original scans for 1900 MHz and 2450 MHz fluids with the SAR scale adjusted to the same maximum value for comparison between the PCS CDMA and WLAN field contours. Also attached are scans for the 835 MHz and 2450 MHz fluids to show comparison between the Cellular CDMA and WLAN field contours. Please note that the 835 MHz scan is the original scan using DASY3 software, however the corresponding 2450 MHz scan was not previously performed, and therefore was re-evaluated with the new DASY4 software. In addition, due to the differences in DASY 3 and 4 software, the maximum value displayed on the scales is not the same, although the maximum value set is the same.

If you have any further questions regarding the above, please do not hesitate to contact me.

Sincerely,



Russell Pipe
Senior Compliance Engineer
Celltech Labs Inc.

cc: Itronix Corporation

Feb 13, 2004 - 1880 MHz - Bottom of Laptop PC - Single Transmit

DUT: Itronix Corporation; FCC ID: KBCIX260MPIA555BT; Model: IX260; Serial: ZZGEG3135ZZ1409

Type: Rugged Laptop PC with co-located Dual-Band CDMA Modem, WLAN, & Bluetooth

Ambient Temp: 25.4°C; Fluid Temp: 21.5°C; Barometric Pressure: 110.3 kPa; Humidity: 31%

Communication System: PCS CDMA
Frequency: 1880 MHz; Duty Cycle: 1:1
RF Output Power: 23.0 dBm (Conducted)
Medium: M1900 ($\sigma = 1.54$ mho/m; $\epsilon_r = 51.8$; $\rho = 1000$ kg/m³)

- Probe: ET3DV6 - SN1387; ConvF(4.9, 4.9, 4.9); Calibrated: 26/02/2003
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn353; Calibrated: 19/12/2003
- Phantom: Barski Planar; Type: Fiberglas; S/N: 03-01
- Measurement SW: DASY4, V4.2 Build 12; Postprocessing SW: SEMCAD, V1.8 Build 94

PCS CDMA - Mid Channel - Bottom of Laptop/Area Scan (20x24x1):

Measurement grid: dx=15mm, dy=15mm

PCS CDMA - Mid Channel - Bottom of Laptop/Zoom Scan (7x7x7)/Cube 0:

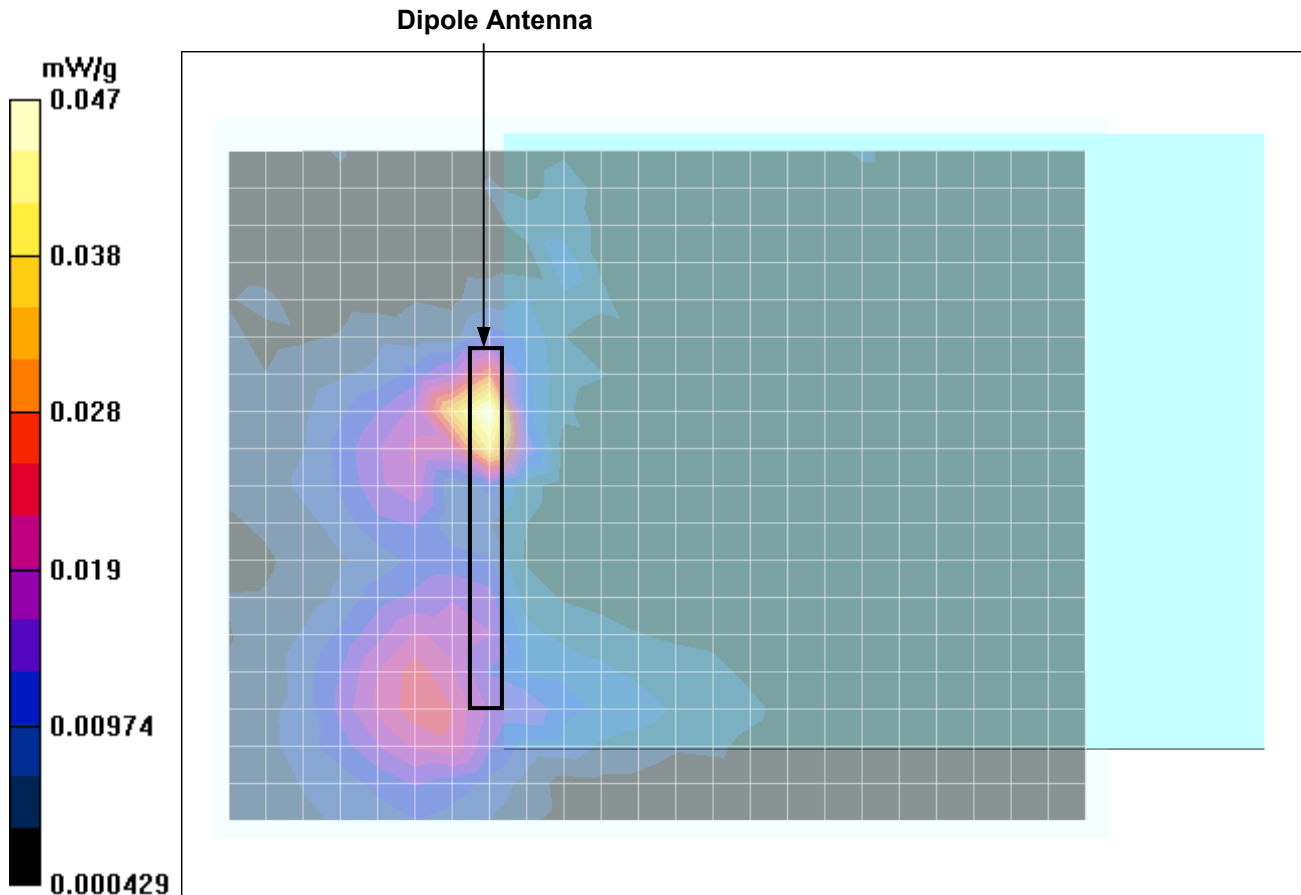
Measurement grid: dx=5mm, dy=5mm, dz=5mm

Peak SAR (extrapolated) = 0.086 W/kg

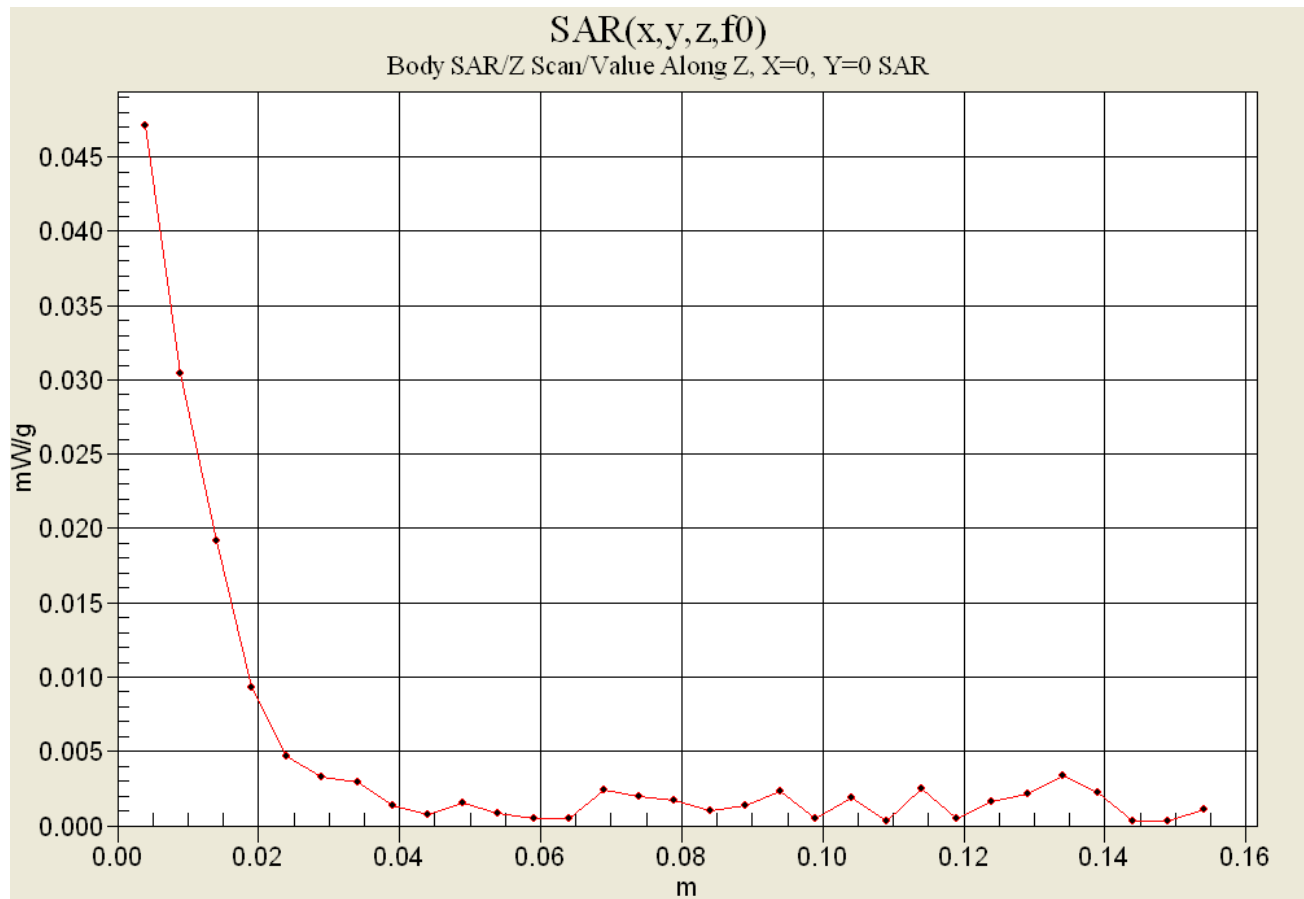
SAR(1 g) = 0.041 mW/g; SAR(10 g) = 0.020 mW/g

Reference Value = 3.04 V/m

Power Drift = -0.1 dB



Feb 13, 2004 - Z-Axis Scan



Note: As a result of the low SAR in this device position, ambient noise entered into the SAR measurement of the Z-axis scan (from 2 - 15 cm) as the probe moved away from the RF source.

Feb 13, 2004 - 1880 MHz - Bottom of Laptop PC - Single Transmit

DUT: Itronix Corporation; FCC ID: KBCIX260MPIA555BT; Model: IX260; Serial: ZZGEG3135ZZ1409

Type: Rugged Laptop PC with co-located WLAN, Bluetooth, & Dual-Band CDMA Modem

Ambient Temp: 25.4°C; Fluid Temp: 21.5°C; Barometric Pressure: 110.3 kPa; Humidity: 31%

Communication System: PCS CDMA

Frequency: 1880 MHz; Duty Cycle: 1:1

RF Output Power: 23.0 dBm (Conducted)

Medium: M1900 ($\sigma = 1.54 \text{ mho/m}$; $\epsilon_r = 51.8$; $\rho = 1000 \text{ kg/m}^3$)

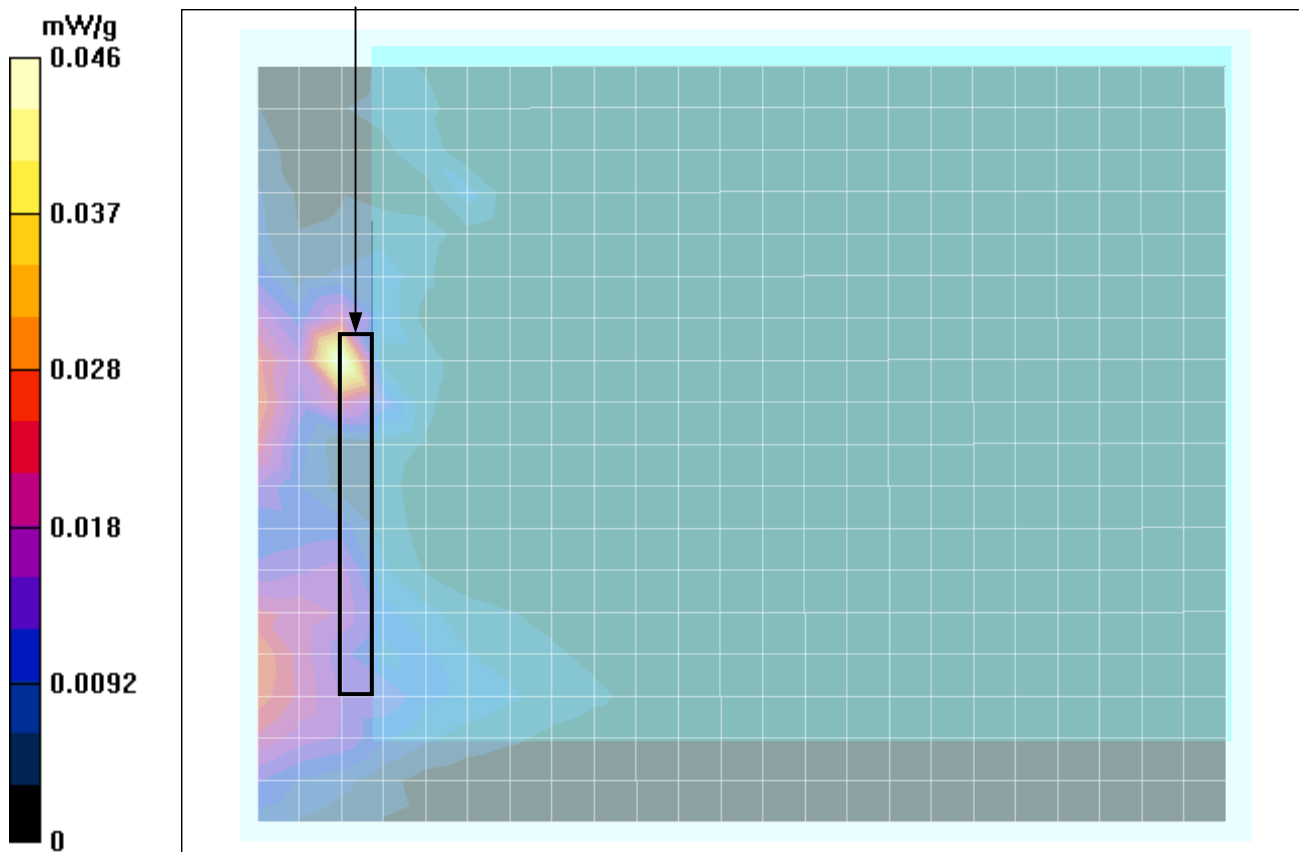
- Probe: ET3DV6 - SN1387; ConvF(4.9, 4.9, 4.9); Calibrated: 26/02/2003
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn353; Calibrated: 19/12/2003
- Phantom: Barski Planar; Type: Fiberglass; S/N: 03-01
- Measurement SW: DASY4, V4.2 Build 12; Postprocessing SW: SEMCAD, V1.8 Build 94

PCS CDMA - Mid Channel - Bottom of Laptop - 2nd scan/Area Scan (20x24x1):

Measurement grid: dx=15mm, dy=15mm

Reference Value = 2.44 V/m

Coarse Scan to Show Remaining Area of Laptop Bottom Dipole Antenna



1880 MHz DUT Evaluation (Body)

Measured Fluid Dielectric Parameters (Muscle)

February 13, 2004

Frequency	ϵ'	ϵ''
1.800000000 GHz	52.0932	14.4795
1.810000000 GHz	52.0541	14.5293
1.820000000 GHz	51.9957	14.5920
1.830000000 GHz	51.9644	14.6499
1.840000000 GHz	51.9073	14.7087
1.850000000 GHz	51.8726	14.7451
1.860000000 GHz	51.8270	14.7624
1.870000000 GHz	51.7868	14.7755
1.880000000 GHz	51.7523	14.7768
1.890000000 GHz	51.7287	14.7725
1.900000000 GHz	51.7067	14.7884
1.910000000 GHz	51.6904	14.8209
1.920000000 GHz	51.6531	14.8438
1.930000000 GHz	51.6461	14.8825
1.940000000 GHz	51.6205	14.9419
1.950000000 GHz	51.5864	15.0092
1.960000000 GHz	51.5562	15.0590
1.970000000 GHz	51.5072	15.0978
1.980000000 GHz	51.4679	15.1603
1.990000000 GHz	51.4307	15.1999
2.000000000 GHz	51.3692	15.2269

Feb 13, 2004 - System Performance Check - 1800 MHz Dipole

DUT: Dipole 1800 MHz; Model: D1800V2; Type: System Performance Check; Serial: 247

Ambient Temp: 25.2°C; Fluid Temp: 21.6°C; Barometric Pressure: 110.2 kPa; Humidity: 31%

Communication System: CW

Forward Conducted Power: 250 mW

Frequency: 1800 MHz; Duty Cycle: 1:1

Medium: HSL1800 ($\sigma = 1.42$ mho/m; $\epsilon_r = 39.4$; $\rho = 1000$ kg/m³)

- Probe: ET3DV6 - SN1387; ConvF(5.2, 5.2, 5.2); Calibrated: 26/02/2003
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn353; Calibrated: 19/12/2003
- Phantom: SAM front; Type: SAM 4.0; Serial: 1033
- Measurement SW: DASY4, V4.2 Build 12; Postprocessing SW: SEMCAD, V1.8 Build 94

1800 MHz System Performance Check/Area Scan (5x8x1):

Measurement grid: dx=15mm, dy=15mm

1800 MHz System Performance Check/Zoom Scan 2 (7x7x7)/Cube 0:

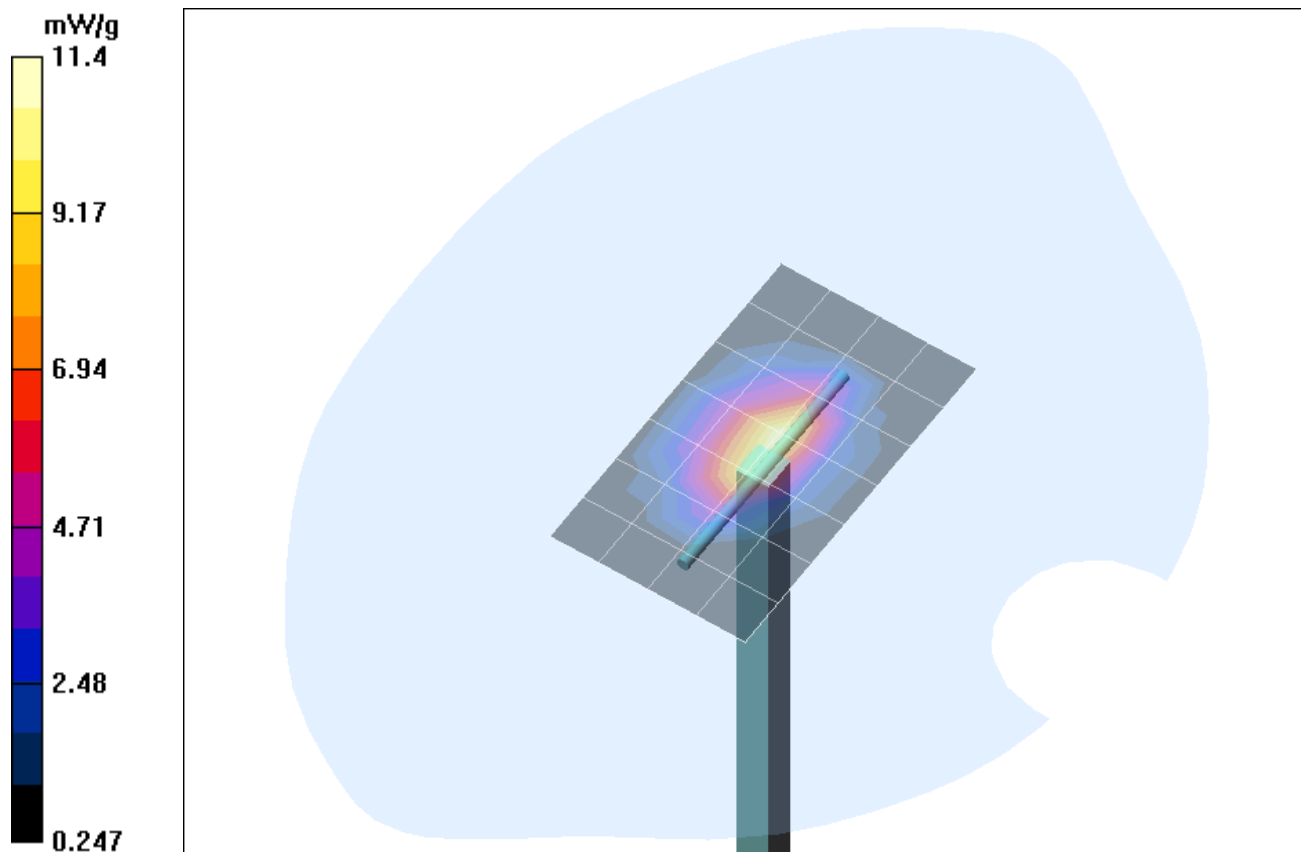
Measurement grid: dx=5mm, dy=5mm, dz=5mm

Peak SAR (extrapolated) = 17.4 W/kg

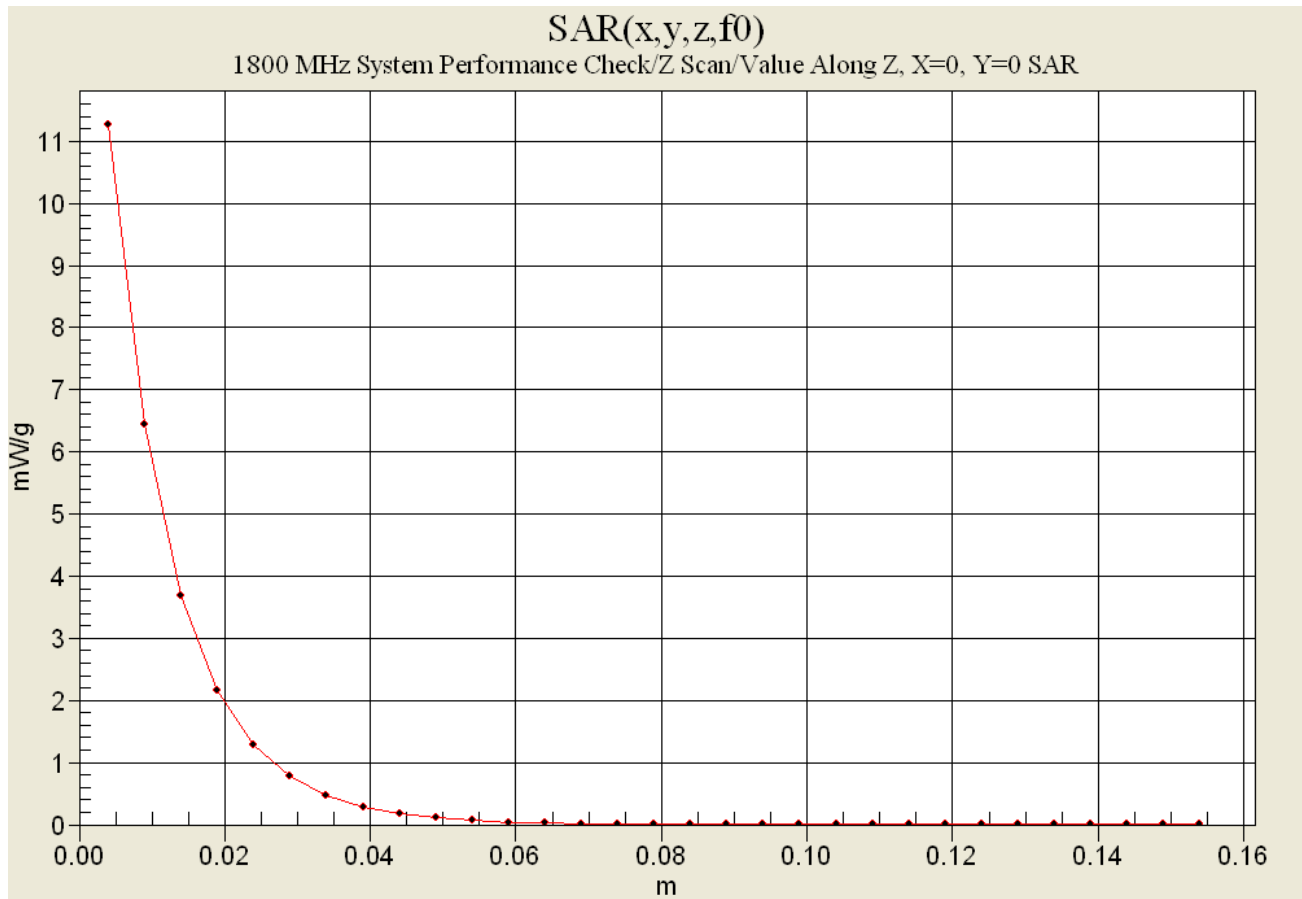
SAR(1 g) = 10 mW/g; SAR(10 g) = 5.35 mW/g

Reference Value = 94.7 V/m

Power Drift = -0.1 dB



Feb 13, 2004 - Z-Axis Scan



1800MHz System Performance Check

Measured Fluid Dielectric Parameters (Brain)

February 13, 2004

Frequency	e'	e''
1.700000000 GHz	39.8527	13.8035
1.710000000 GHz	39.8122	13.8258
1.720000000 GHz	39.7617	13.8663
1.730000000 GHz	39.6780	13.9167
1.740000000 GHz	39.6185	13.9470
1.750000000 GHz	39.5518	13.9942
1.760000000 GHz	39.4956	14.0354
1.770000000 GHz	39.4661	14.0672
1.780000000 GHz	39.4313	14.0930
1.790000000 GHz	39.3934	14.1267
1.800000000 GHz	39.3547	14.1518
1.810000000 GHz	39.3084	14.1876
1.820000000 GHz	39.2627	14.2018
1.830000000 GHz	39.2171	14.2344
1.840000000 GHz	39.1747	14.2500
1.850000000 GHz	39.1245	14.2707
1.860000000 GHz	39.0850	14.2970
1.870000000 GHz	39.0226	14.3135
1.880000000 GHz	38.9688	14.3369
1.890000000 GHz	38.9397	14.3693
1.900000000 GHz	38.9110	14.3955

Feb 13, 2004 - 835 MHz - Bottom of Laptop PC - Single Transmit

DUT: Itronix Corporation; Model: IX260; Type: Rugged Laptop PC; Serial: Serial: ZZGEG3135ZZ1409

Type: Rugged Laptop PC with co-located Dual-Band CDMA Modem, WLAN, & Bluetooth

Ambient Temp: 24.5°C; Fluid Temp: 22.1°C; Barometric Pressure: 109.3 kPa; Humidity: 31%

Communication System: Cellular CDMA
Frequency: 835.89 MHz; Duty Cycle: 1:1
RF Output Power: 23.0 dBm (Conducted)
Medium: M835 ($\sigma = 0.98$ mho/m; $\epsilon_r = 53.5$; $\rho = 1000$ kg/m³)

- Probe: ET3DV6 - SN1387; ConvF(6.4, 6.4, 6.4); Calibrated: 26/02/2003
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn353; Calibrated: 19/12/2003
- Phantom: Barski Planar; Type: Fiberglass; S/N: 03-01
- Measurement SW: DASY4, V4.2 Build 12; Postprocessing SW: SEMCAD, V1.8 Build 94

Cellular CDMA - Mid Channel - Bottom of Laptop/Area Scan (20x24x1):

Measurement grid: dx=15mm, dy=15mm

Cellular CDMA - Mid Channel - Bottom of Laptop/Zoom Scan (7x7x7)/Cube 0:

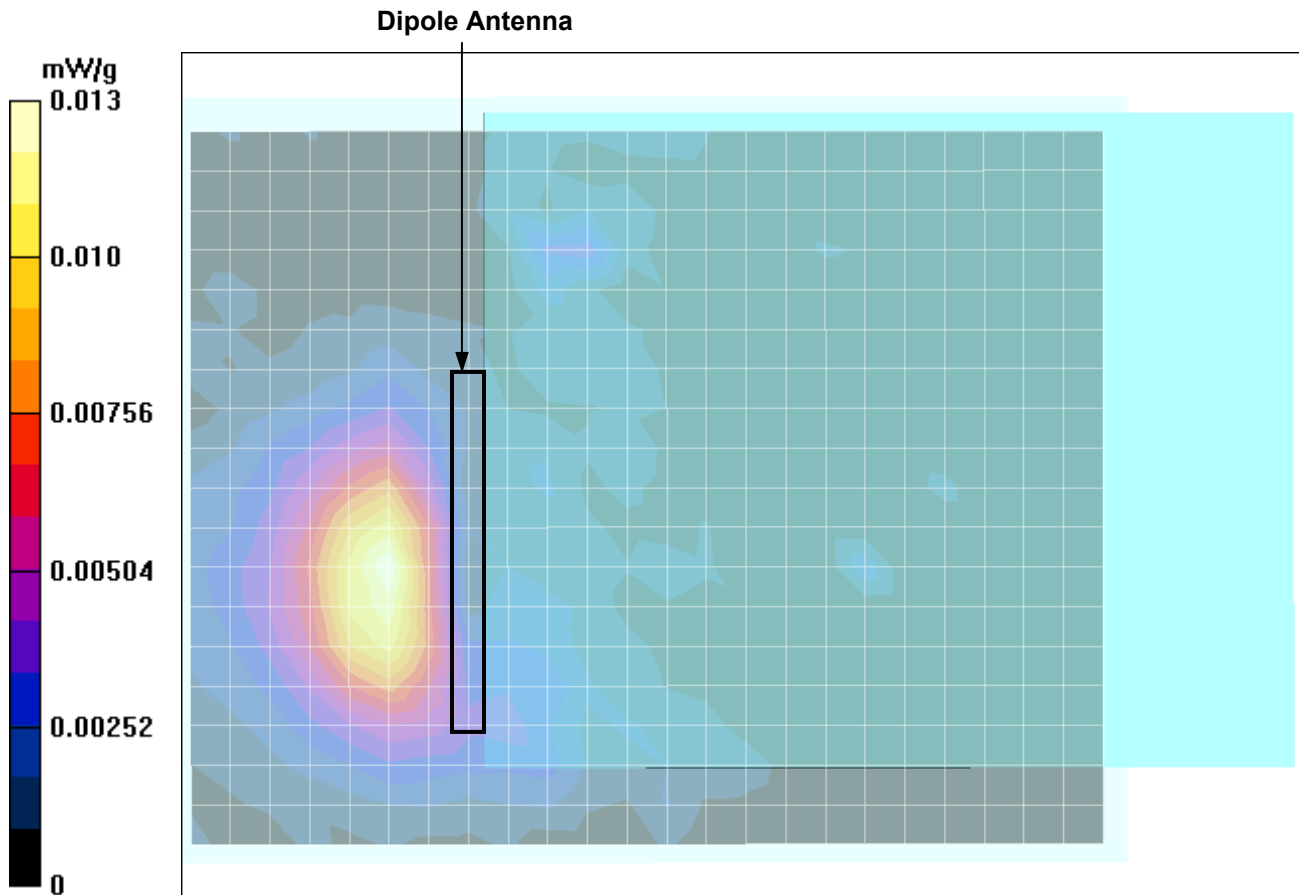
Measurement grid: dx=5mm, dy=5mm, dz=5mm

Peak SAR (extrapolated) = 0.016 W/kg

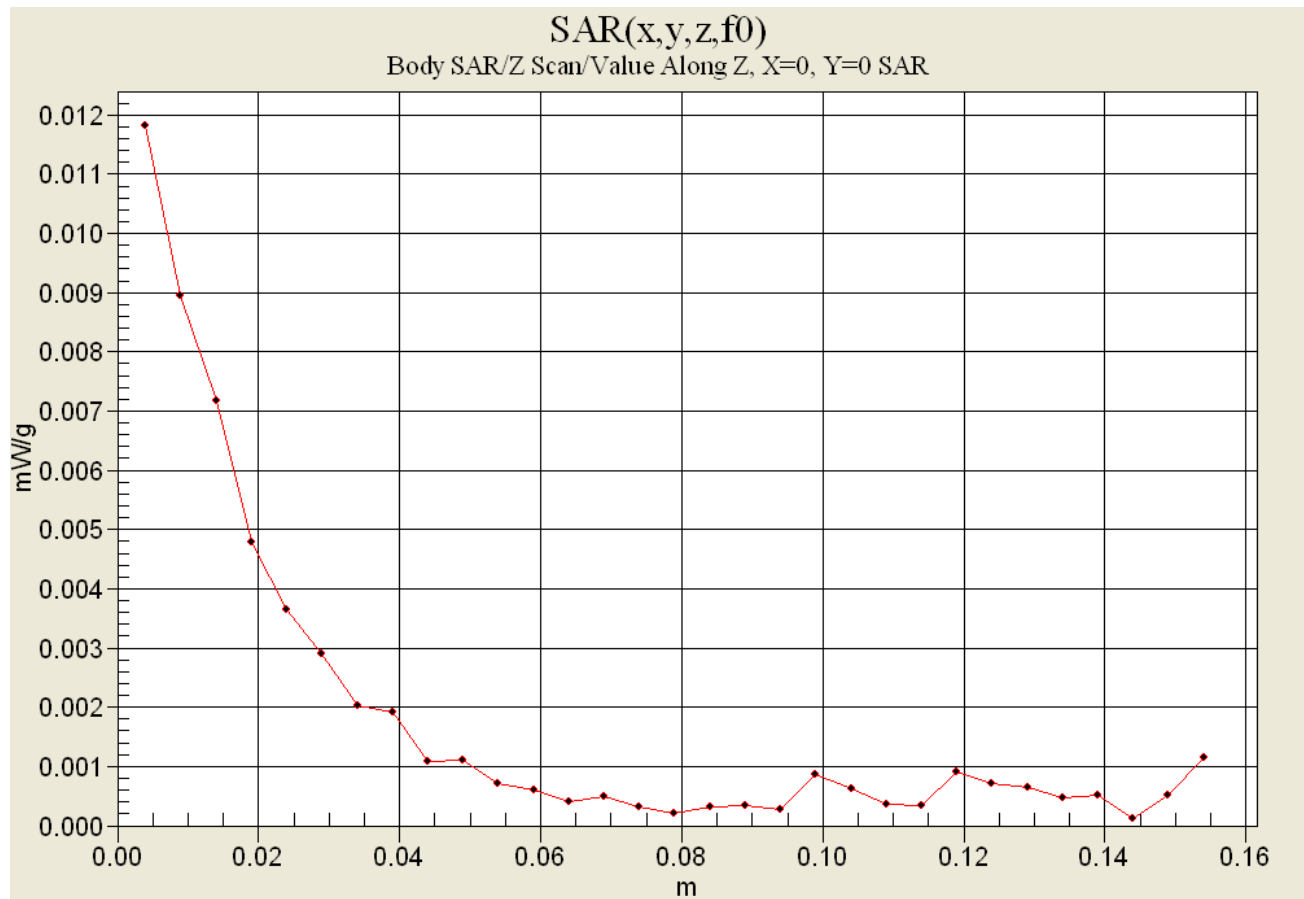
SAR(1 g) = 0.011 mW/g; SAR(10 g) = 0.00838 mW/g

Reference Value = 2.02 V/m

Power Drift = -0.2 dB



Feb 13, 2004 - Z-Axis Scan



Note: As a result of the low SAR in this device position, ambient noise entered into the SAR measurement of the Z-axis scan (from 2 - 15 cm) as the probe moved away from the RF source.

Feb 13, 2004 - 835 MHz - Bottom of Laptop PC - Single Transmit

DUT: Itronix Corporation; Model: IX260; Type: Rugged Laptop PC; Serial: Serial: ZZGEG3135ZZ1409

Type: Rugged Laptop PC with co-located Dual-Band CDMA Modem, WLAN, & Bluetooth

Ambient Temp: 24.5°C; Fluid Temp: 22.1°C; Barometric Pressure: 109.3 kPa; Humidity: 31%

Communication System: Cellular CDMA

Frequency: 835.89 MHz; Duty Cycle: 1:1

RF Output Power: 23.0 dBm (Conducted)

Medium: M835 ($\sigma = 0.98$ mho/m; $\epsilon_r = 53.5$; $\rho = 1000$ kg/m³)

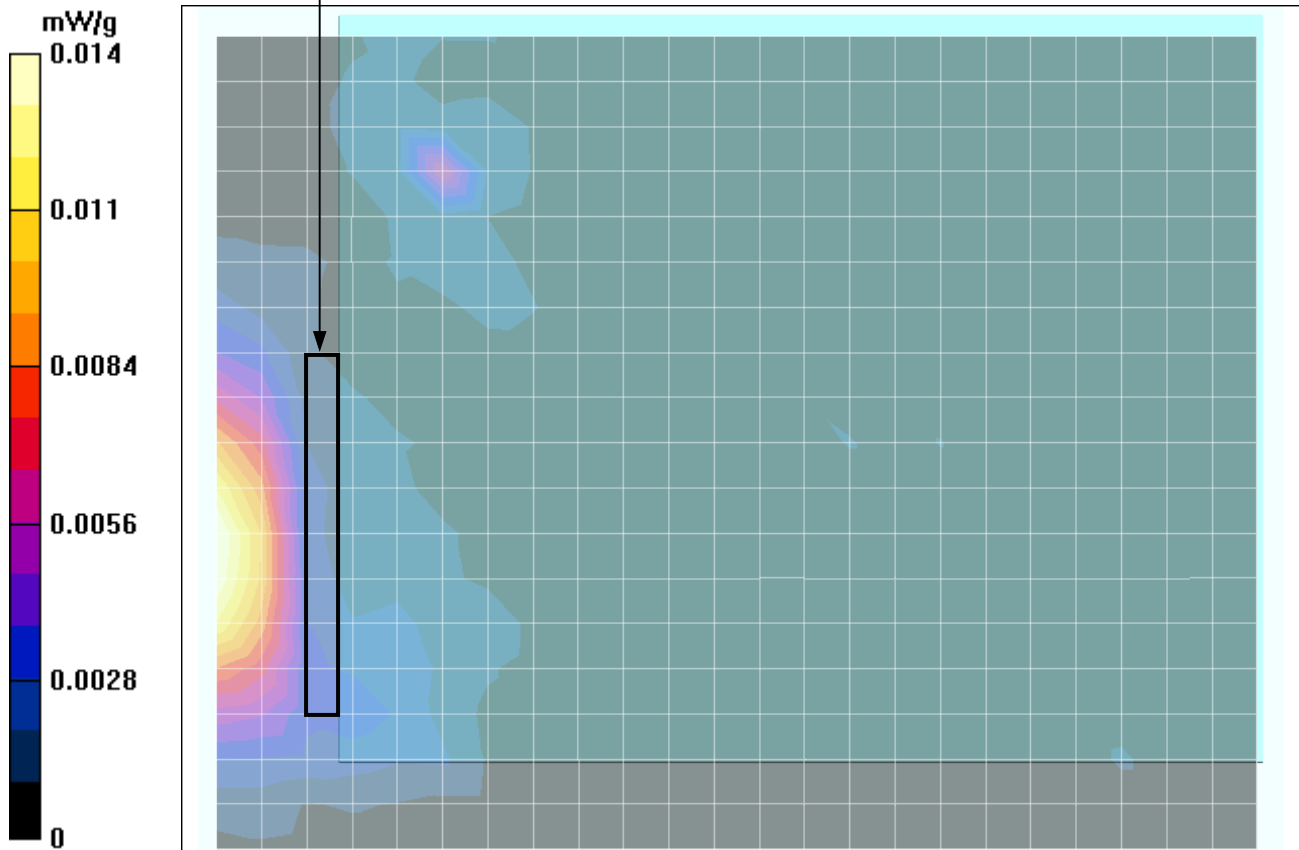
- Probe: ET3DV6 - SN1387; ConvF(6.4, 6.4, 6.4); Calibrated: 26/02/2003
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn353; Calibrated: 19/12/2003
- Phantom: Barski Planar; Type: Fiberglas; S/N: 03-01
- Measurement SW: DASY4, V4.2 Build 12; Postprocessing SW: SEMCAD, V1.8 Build 94

Cellular CDMA - Mid Channel - Bottom of Laptop - 2nd scan/Area Scan (20x24x1):

Measurement grid: dx=15mm, dy=15mm

Reference Value = 1.08 V/m

Coarse Scan to Show Remaining Area of Laptop Bottom Dipole Antenna



835 MHz DUT Evaluation (Body)

Measured Fluid Dielectric Parameters (Muscle)

February 13, 2004

Frequency	ϵ'	ϵ''
735.000000 MHz	54.5745	21.6737
745.000000 MHz	54.4600	21.5868
755.000000 MHz	54.3252	21.5683
765.000000 MHz	54.2415	21.4745
775.000000 MHz	54.1410	21.4232
785.000000 MHz	54.0345	21.3752
795.000000 MHz	53.9532	21.3538
805.000000 MHz	53.8891	21.3041
815.000000 MHz	53.7946	21.2377
825.000000 MHz	53.6773	21.2366
835.000000 MHz	53.5342	21.1957
845.000000 MHz	53.4017	21.1853
855.000000 MHz	53.2886	21.1253
865.000000 MHz	53.1558	21.1172
875.000000 MHz	53.0499	21.1106
885.000000 MHz	52.9595	21.0775
895.000000 MHz	52.9064	20.9681
905.000000 MHz	52.8416	20.9167
915.000000 MHz	52.7388	20.8656
925.000000 MHz	52.6562	20.8180
935.000000 MHz	52.5768	20.7954

Feb 13, 2004 - System Performance Check - 900 MHz Dipole

DUT: Dipole 900 MHz; Model: D900V2; Type: System Performance Check; Serial: 054

Ambient Temp: 23.2°C; Fluid Temp: 21.8°C; Barometric Pressure: 109.3 kPa; Humidity: 30%

Communication System: CW
Forward Conducted Power: 250 mW
Frequency: 900 MHz; Duty Cycle: 1:1
Medium: HSL900 ($\sigma = 0.99$ mho/m; $\epsilon_r = 41$; $\rho = 1000$ kg/m³)

- Probe: ET3DV6 - SN1387; ConvF(6.6, 6.6, 6.6); Calibrated: 26/02/2003
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn353; Calibrated: 19/12/2003
- Phantom: SAM front; Type: SAM 4.0; Serial: 1033
- Measurement SW: DASY4, V4.2 Build 12; Postprocessing SW: SEMCAD, V1.8 Build 94

900 MHz System Performance Check/Area Scan (6x10x1):

Measurement grid: dx=10mm, dy=10mm

900 MHz System Performance Check/Zoom Scan (7x7x7)/Cube 0:

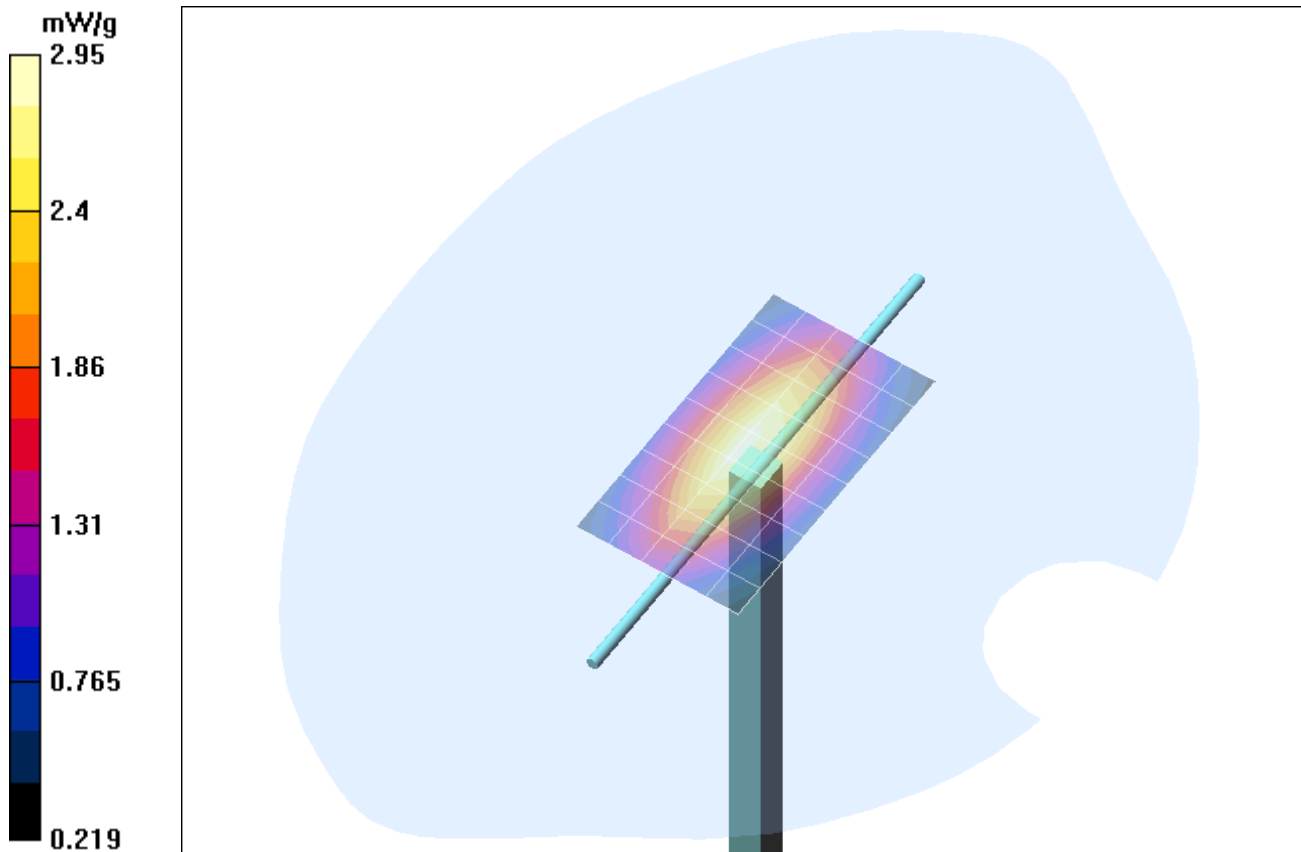
Measurement grid: dx=5mm, dy=5mm, dz=5mm

Peak SAR (extrapolated) = 4.12 W/kg

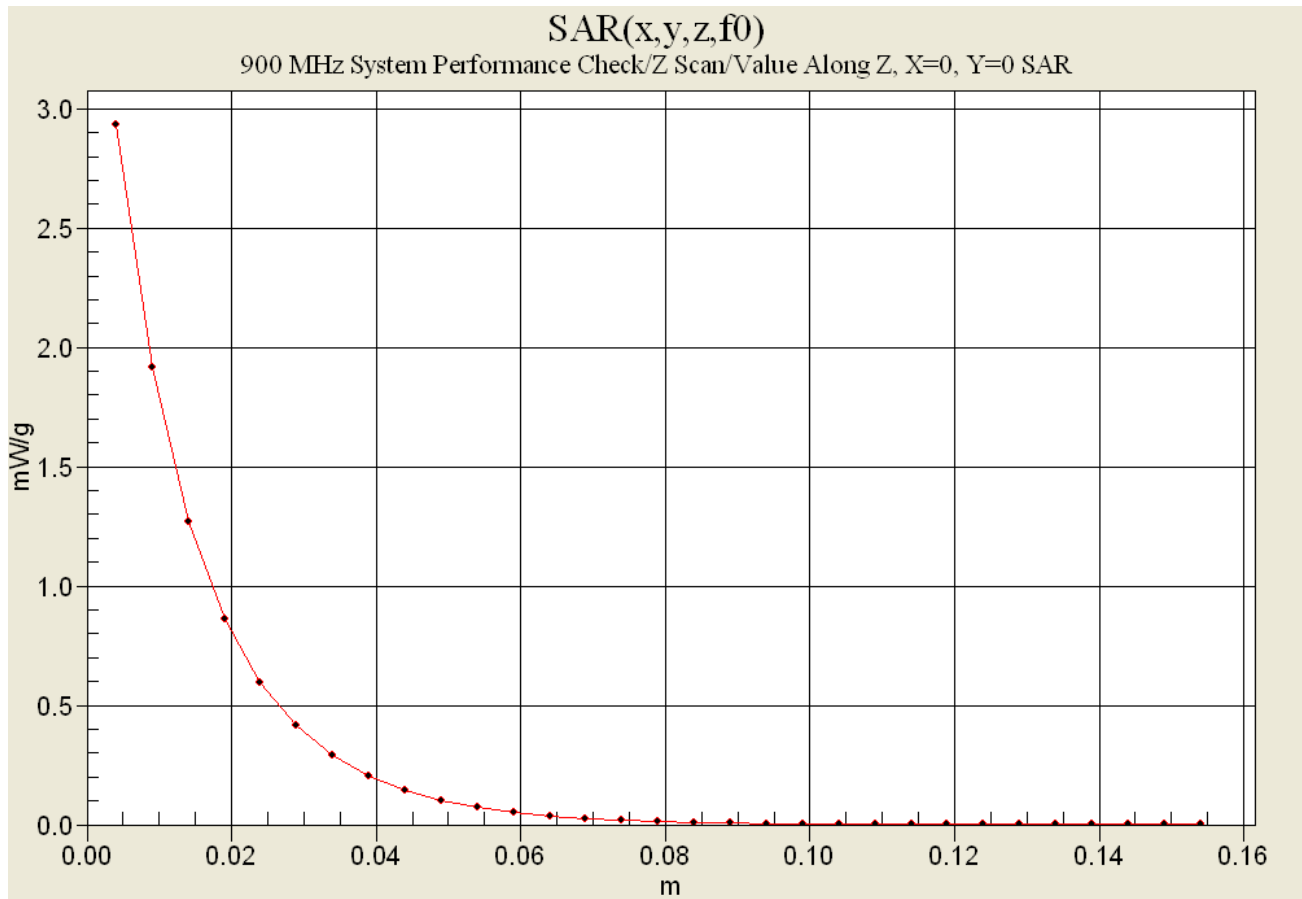
SAR(1 g) = 2.71 mW/g; SAR(10 g) = 1.73 mW/g

Reference Value = 57.1 V/m

Power Drift = -0.05 dB



Feb 13, 2004 - Z-Axis Scan



900 MHz System Performance Check

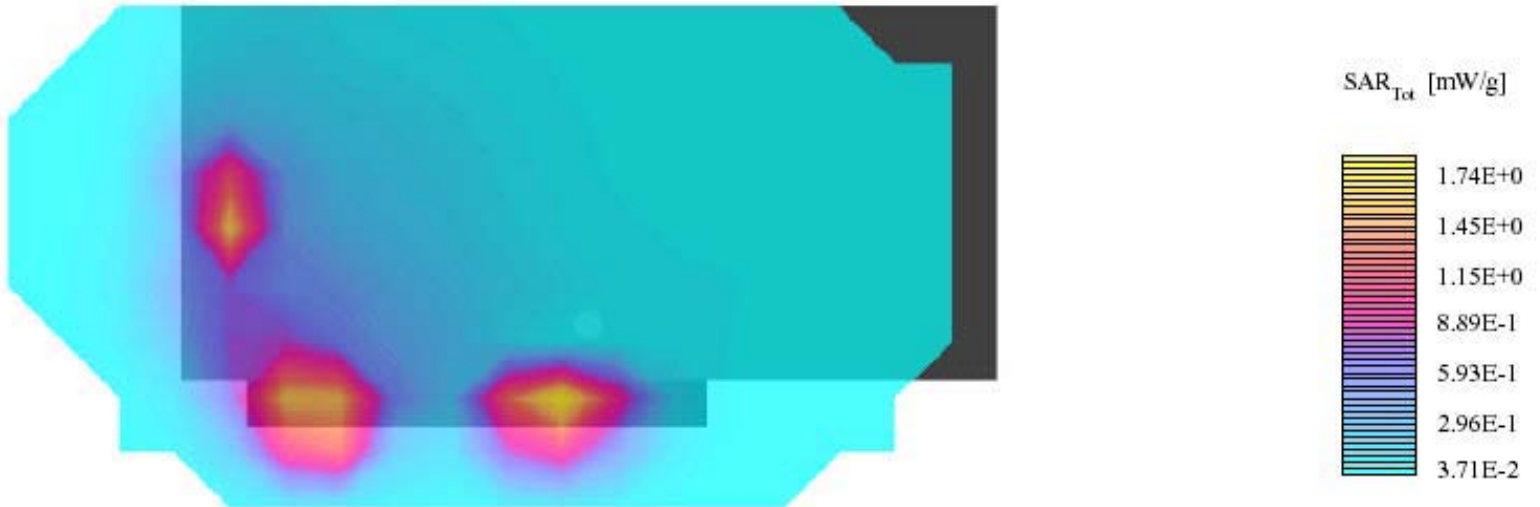
Measured Fluid Dielectric Parameters (Brain)

February 13, 2004

Frequency	ϵ'	ϵ''
800.000000 MHz	42.2281	20.2368
810.000000 MHz	42.1477	20.1953
820.000000 MHz	42.0315	20.1486
830.000000 MHz	41.8891	20.0523
840.000000 MHz	41.7432	19.9862
850.000000 MHz	41.5877	19.9457
860.000000 MHz	41.4421	19.8527
870.000000 MHz	41.2913	19.8354
880.000000 MHz	41.1729	19.8099
890.000000 MHz	41.0636	19.8030
900.000000 MHz	40.9918	19.7261
910.000000 MHz	40.8966	19.7120
920.000000 MHz	40.8331	19.6792
930.000000 MHz	40.7131	19.6595
940.000000 MHz	40.6344	19.6379
950.000000 MHz	40.5014	19.5861
960.000000 MHz	40.3799	19.5608
970.000000 MHz	40.2398	19.4957
980.000000 MHz	40.1223	19.4626
990.000000 MHz	39.9998	19.4187
1.000000000 GHz	39.9147	19.3824

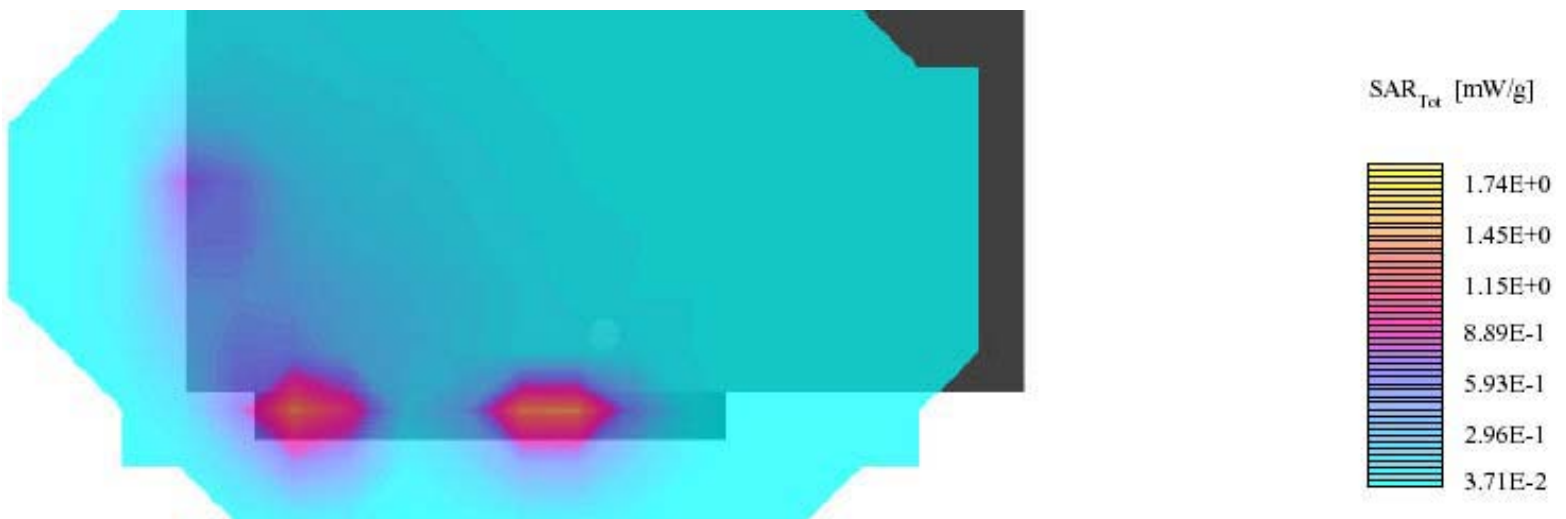
2450 MHz Muscle Fluid with WLAN, Bluetooth, & PCS CDMA simultaneously transmitting to show contour comparison

Back of LCD - Display Closed (CDMA Dipole Antenna Parallel to Planar Phantom - Stowed Position)
0.0 cm Separation Distance from Back of LCD to Planar Phantom
IX260 Rugged Laptop PC
Cisco DSSS WLAN Card MPI-350 Mini-PCI with Internal Antenna
Co-located with Sierra Wireless AirCard 555 Dual Band CDMA Modem Card (PCS) with External Dipole Antenna
and Mitsumi WML-C11N Bluetooth Transmitter with Internal Antenna
Simultaneous Transmit with co-located WLAN, CDMA, and Bluetooth Transmitters
DSSS Mode
Channel 1 (2412 MHz)
Conducted Power: 18.80 dBm
Ambient Temp: 23.9°C; Fluid Temp: 23.9°C
Date Tested: August 29, 2003



1900 MHz Muscle Fluid with PCS CDMA, WLAN, & Bluetooth simultaneously transmitting to show contour comparison

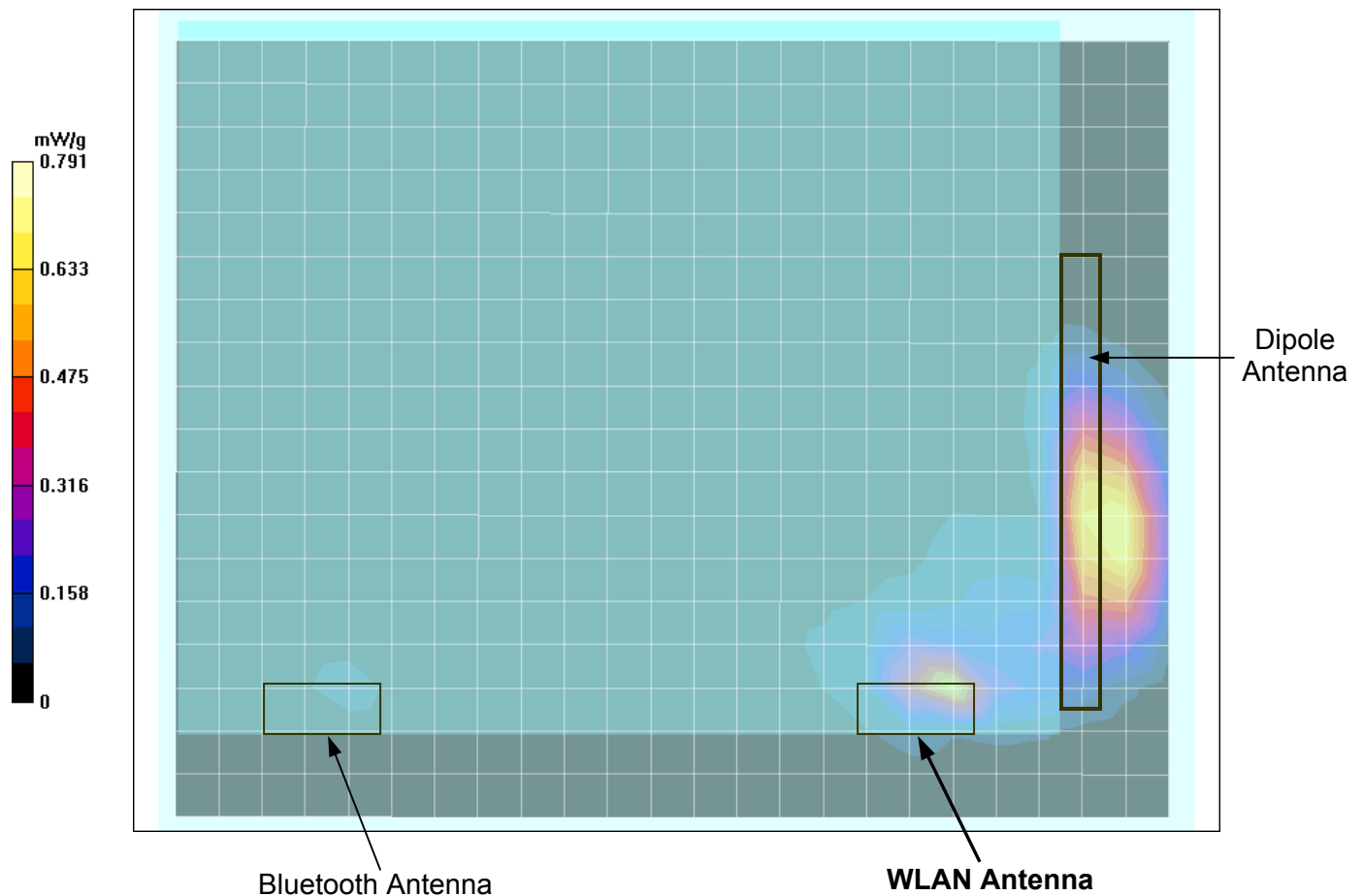
Back of LCD (Display Closed) - CDMA Dipole Antenna Parallel to Planar Phantom (Stowed Position)
0.0 cm Separation Distance from Back of LCD to Planar Phantom
IX260 Rugged Laptop PC
with Sierra Wireless AirCard 555 Dual Band CDMA Modem Card
Co-located with Cisco MPI-350 Mini-PCI DSSS WLAN Card with Internal Antenna
and Mitsumi WML-C11N Bluetooth Transmitter with Internal Antenna
PCS CDMA Mode
Simultaneous Transmit with co-located DSSS WLAN and Bluetooth Transmitters
Channel 600 [1880.00 MHz]
Conducted Power: 23.27 dBm
Ambient Temp: 24.7°C; Fluid Temp: 22.4°C
Date Tested: August 29, 2003



2450 MHz Muscle Fluid with WLAN, Bluetooth, & Cellular CDMA simultaneously transmitting to show contour comparison

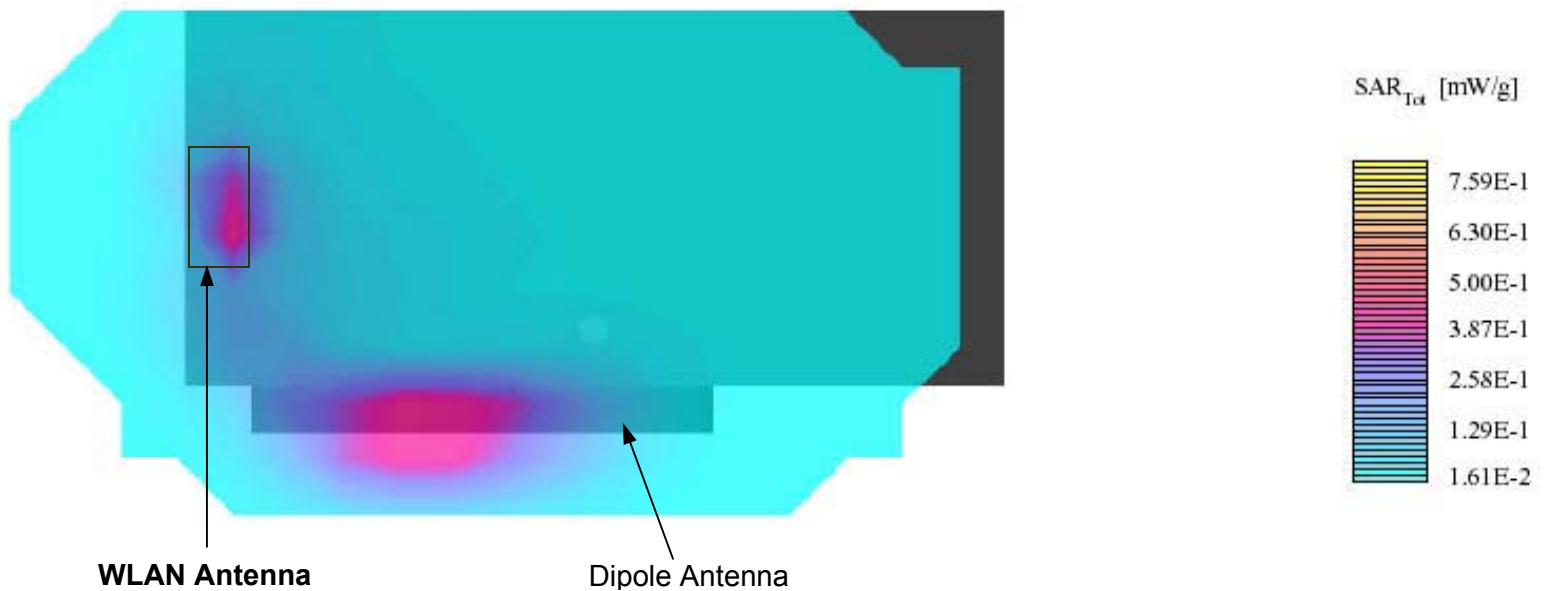
Phantom: Barski Planar; Type: Fibreglas; S/N: 03-01
Probe: ET3DV6 – SN1387; ConvF(4.6,4.6,4.6); Crest factor: 1.0
Muscle 2450 MHz: $\sigma = 1.97$ mho/m; $\epsilon_r = 50.2$ mho/m; $\rho = 1970$ kg/m³
Coarse: Dx = 5 mm, Dy = 5 mm, Dz = 5 mm
Cube 7x7x7
SAR (1g): 0.710 mW/g, SAR (10g): 0.359 mW/g

Back of LCD - Display Closed (CDMA Dipole Antenna Parallel to Planar Phantom - Stowed Position)
0.0 cm Separation Distance from Back of LCD to Planar Phantom
IX260 Rugged Laptop PC
Cisco DSSS WLAN Card MPI-350 Mini-PCI with Internal Antenna
Co-located with Sierra Wireless AirCard 555 Dual Band CDMA Modem with External Dipole Antenna
& Mitsumi WML-C11N Bluetooth Transmitter with Internal Antenna
WLAN Simultaneous Transmit with co-located Cellular CDMA & Bluetooth Transmitters
WLAN DSSS Mode
Channel 1 (2412 MHz)
Conducted Power: 21.2 dBm
Ambient Temp: 25.0°C; Fluid Temp: 23.5°C; Barometric Pressure: 100.9 kPa; Humidity: 35%
Date Tested: February 02, 2004



835 MHz Muscle Fluid with Cellular CDMA, WLAN, & Bluetooth simultaneously transmitting for contour comparison

Back of LCD (Display Closed) - CDMA Dipole Antenna Parallel to Planar Phantom (Stowed Position)
0.0 cm Separation Distance from Back of LCD to Planar Phantom
IX260 Rugged Laptop PC
with Sierra Wireless AirCard 555 Dual Band CDMA Modem Card
Co-located with Cisco MPI-350 Mini-PCI DSSS WLAN Card with Internal Antenna
and Mitsumi WML-C11N Bluetooth Transmitter with Internal Antenna
Cellular CDMA Mode
Simultaneous Transmit with colocated CDMA, DSSS WLAN, and Bluetooth Transmitters
Channel 363 [835.89 MHz]
Conducted Power: 23.05 dBm
Ambient Temp: 23.9°C; Fluid Temp: 23.2°C
Date Tested: August 28, 2003



2450 MHz DUT Evaluation (Body)

Measured Fluid Dielectric Parameters (Muscle)

February 02, 2004

Frequency	ϵ'	ϵ''
2.350000000 GHz	50.5255	14.0376
2.360000000 GHz	50.4971	14.0980
2.370000000 GHz	50.4824	14.1287
2.380000000 GHz	50.4448	14.1507
2.390000000 GHz	50.4028	14.1677
2.400000000 GHz	50.3543	14.1751
2.410000000 GHz	50.3084	14.2017
2.420000000 GHz	50.2550	14.2631
2.430000000 GHz	50.2299	14.2986
2.440000000 GHz	50.1833	14.3750
2.450000000 GHz	50.1619	14.4469
2.460000000 GHz	50.1217	14.4990
2.470000000 GHz	50.1105	14.5526
2.480000000 GHz	50.0986	14.5896
2.490000000 GHz	50.0536	14.6278
2.500000000 GHz	50.0380	14.6415
2.510000000 GHz	49.9750	14.6453
2.520000000 GHz	49.9120	14.6861
2.530000000 GHz	49.8600	14.7142
2.540000000 GHz	49.8125	14.7739
2.550000000 GHz	49.7843	14.8247

Feb 02, 2004 - System Performance Check - 2450 MHz Dipole

DUT: Dipole 2450 MHz; Model: D2450V2; Type: System Performance Check; Serial: 150

Ambient Temp: 25.0°C; Fluid Temp: 24.0°C; Barometric Pressure: 100.9 kPa; Humidity: 35%

Forward Conducted Power: 250 mW

Communication System: CW

Frequency: 2450 MHz; Duty Cycle: 1:1

Medium: HSL2450 ($\sigma = 1.89 \text{ mho/m}$; $\epsilon_r = 37.4$; $\rho = 1000 \text{ kg/m}^3$)

- Probe: ET3DV6 - SN1387; ConvF(5, 5, 5); Calibrated: 26/02/2003
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn353; Calibrated: 19/12/2003
- Phantom: SAM front; Type: Fiberglass; Serial: 1033
- Measurement SW: DASY4, V4.2 Build 12; Postprocessing SW: SEMCAD, V1.8 Build 94

2450 MHz System Performance Check/Area Scan (6x10x1):

Measurement grid: dx=10mm, dy=10mm

2450 MHz System Performance Check/Zoom Scan (7x7x7)/Cube 0:

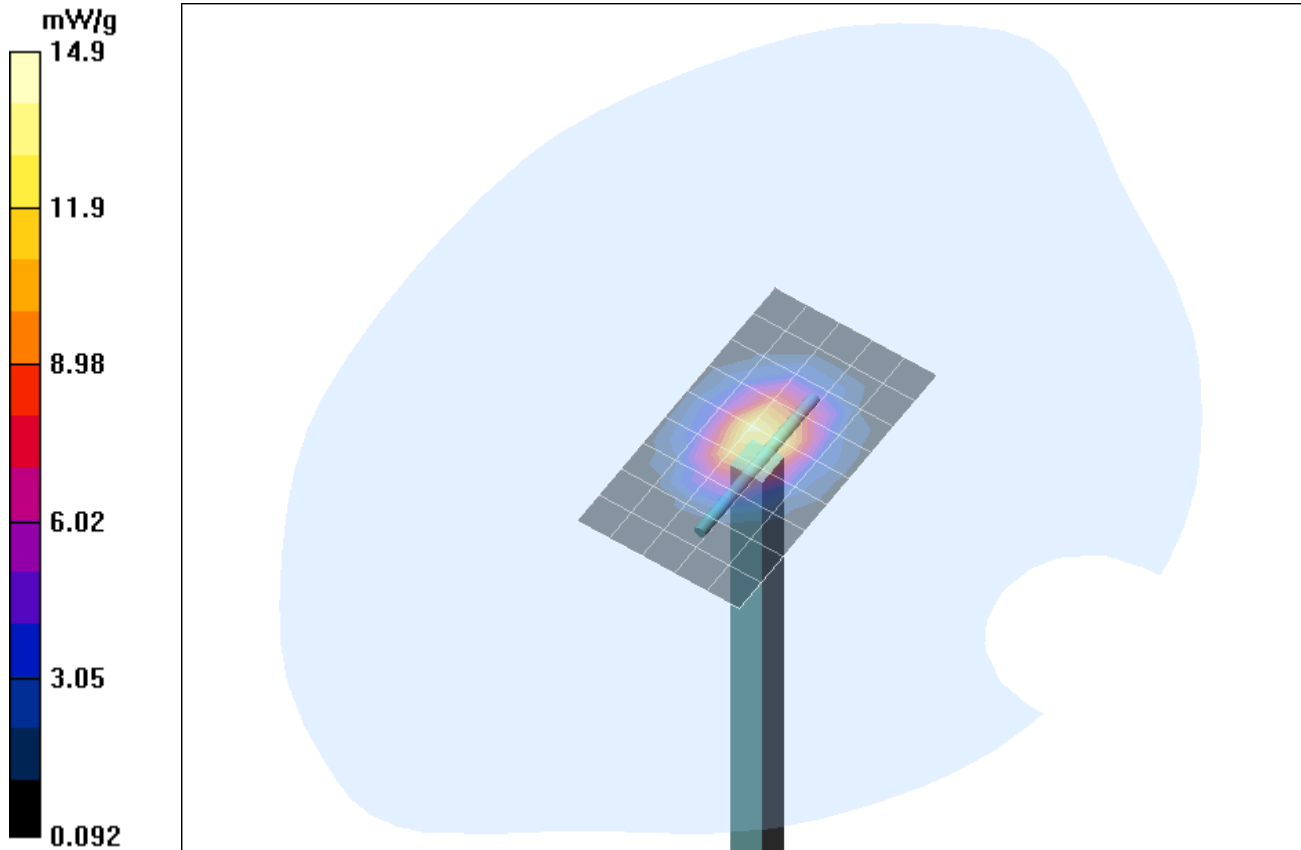
Measurement grid: dx=5mm, dy=5mm, dz=5mm

Peak SAR (extrapolated) = 27.4 W/kg

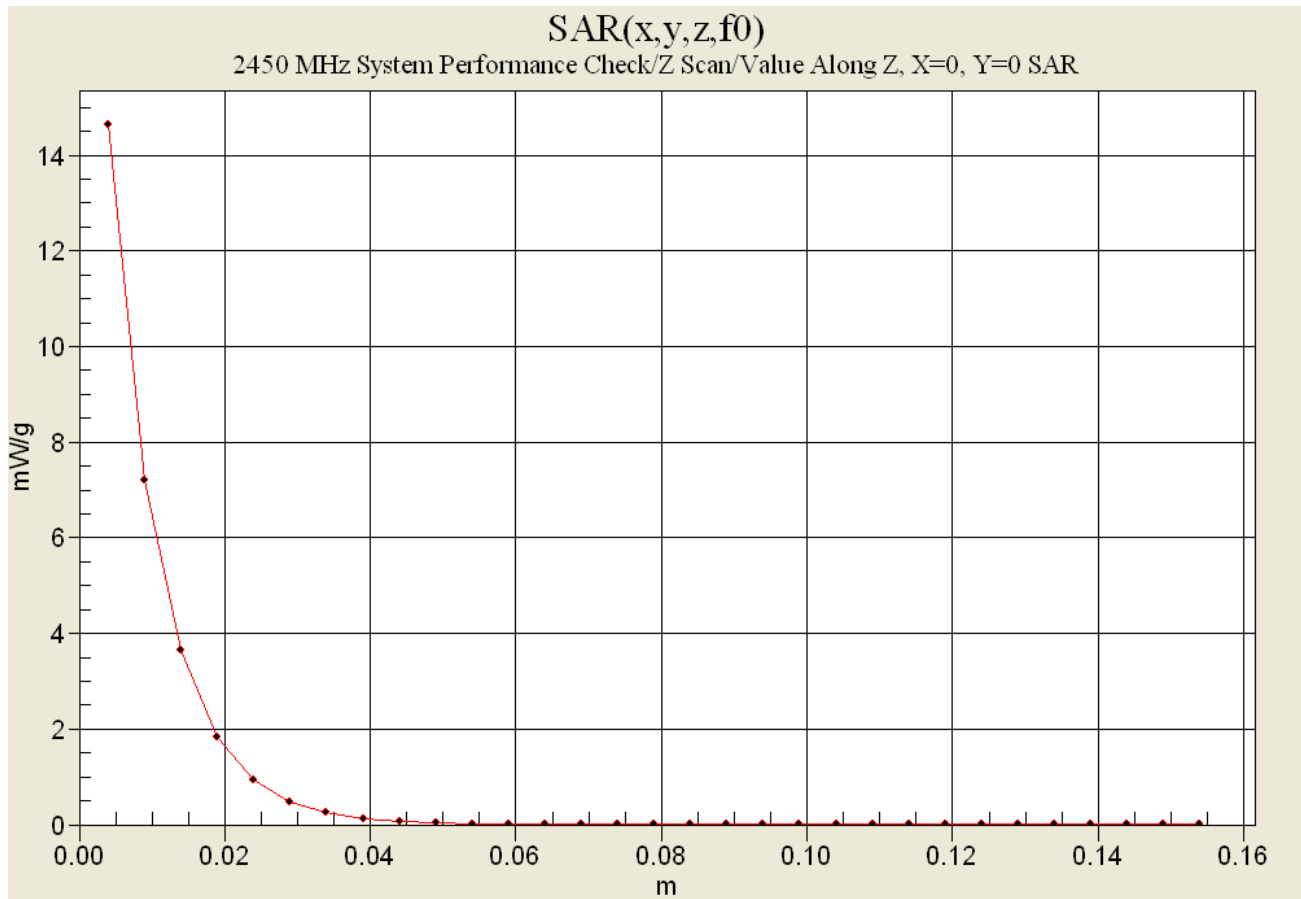
SAR(1 g) = 13.1 mW/g; SAR(10 g) = 6.12 mW/g

Reference Value = 93.1 V/m

Power Drift = -0.1 dB



Feb 02, 2004 - Z-Axis Scan



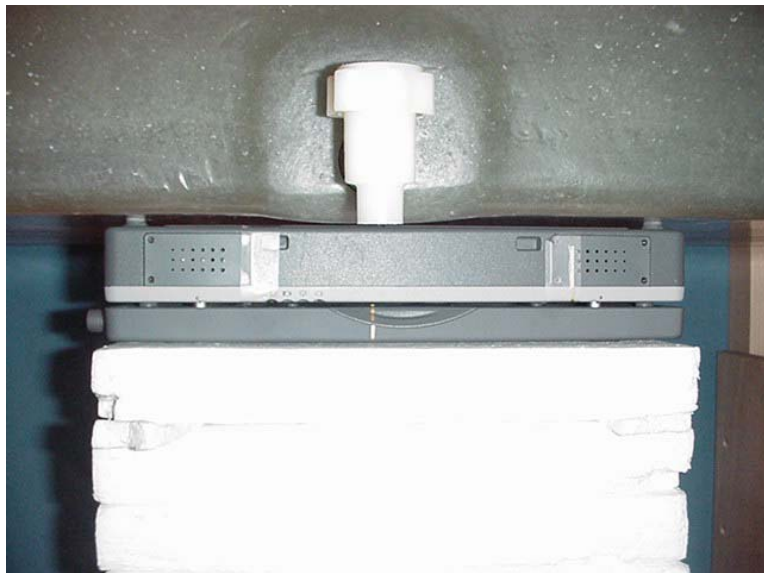
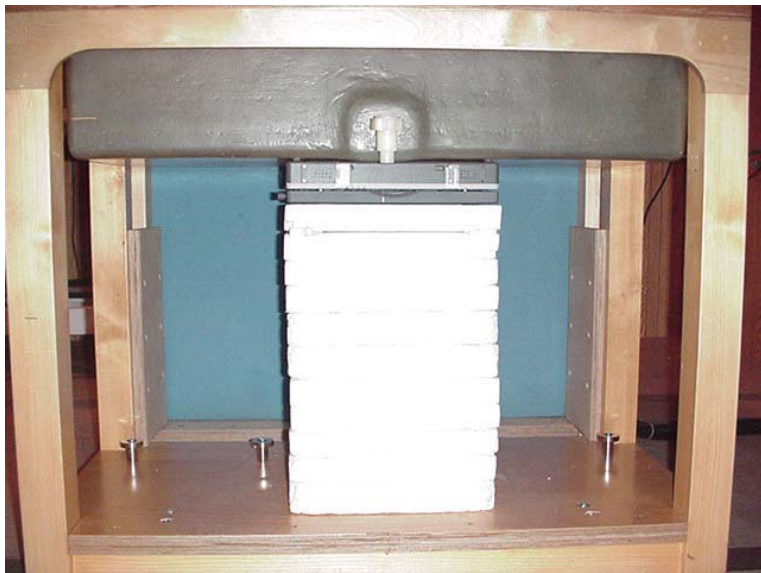
2450 MHz System Performance Check

Measured Fluid Dielectric Parameters (Brain)

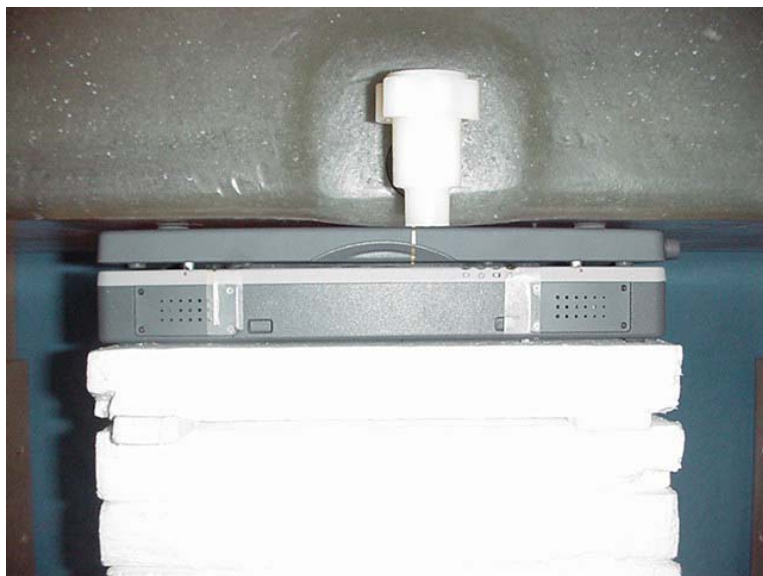
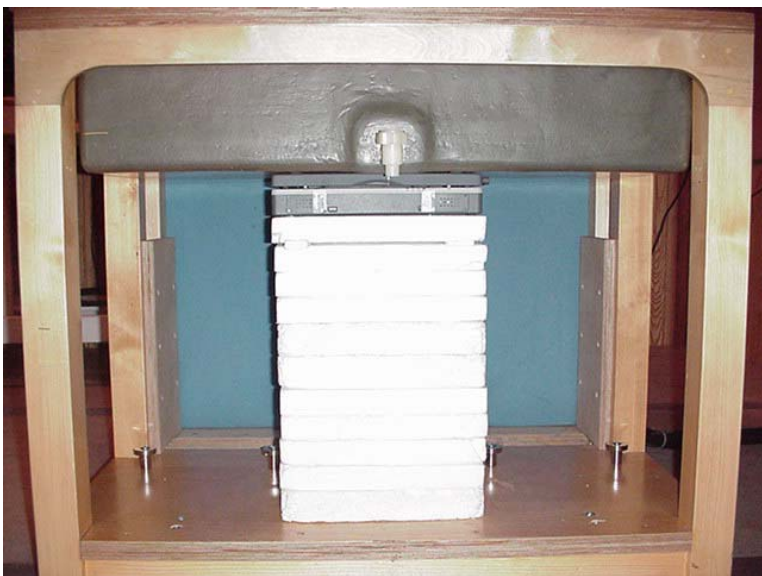
February 02, 2004

Frequency	ϵ'	ϵ''
2.350000000 GHz	37.8546	13.5836
2.360000000 GHz	37.8125	13.6219
2.370000000 GHz	37.7982	13.6523
2.380000000 GHz	37.7517	13.6616
2.390000000 GHz	37.7212	13.6832
2.400000000 GHz	37.6784	13.6984
2.410000000 GHz	37.6292	13.7080
2.420000000 GHz	37.5583	13.7543
2.430000000 GHz	37.5298	13.7945
2.440000000 GHz	37.4671	13.8349
2.450000000 GHz	37.4185	13.8917
2.460000000 GHz	37.3828	13.9193
2.470000000 GHz	37.3638	13.9799
2.480000000 GHz	37.3423	13.9993
2.490000000 GHz	37.3205	14.0272
2.500000000 GHz	37.2812	14.0560
2.510000000 GHz	37.2321	14.0551
2.520000000 GHz	37.1762	14.0846
2.530000000 GHz	37.1314	14.1135
2.540000000 GHz	37.0585	14.1334
2.550000000 GHz	37.0161	14.1826

SAR Test Setup Photos - Bottom of Laptop PC - Planar Phantom



SAR Test Setup Photos - Back of LCD Display - Planar Phantom



2378 Westlake Road
Kelowna, B.C. Canada
V1Z-2V2



Ph. # 250-769-6848
Fax # 250-769-6334
E-mail: barskiind@shaw.ca
Web: www.bcfiberglass.com

FIBERGLASS FABRICATORS

Certificate of Conformity

Item : Flat Planar Phantom Unit # 03-01
Date: June 16, 2003
Manufacturer: Barski Industries (1985 Ltd)

Test	Requirement	Details
Shape	Compliance to geometry according to drawing	Supplied CAD drawing
Material Thickness	Compliant with the requirements	2mm +/- 0.2mm in measurement area
Material Parameters	Dielectric parameters for required frequencies Based on Dow Chemical technical data	100 MHz-5 GHz Relative permittivity < 5 Loss Tangent < 0.05

Conformity

Based on the above information, we certify this product to be compliant to the requirements specified.

Signature: 

Daniel Chailier



Fiberglass Planar Phantom - Top View



Fiberglass Planar Phantom - Front View



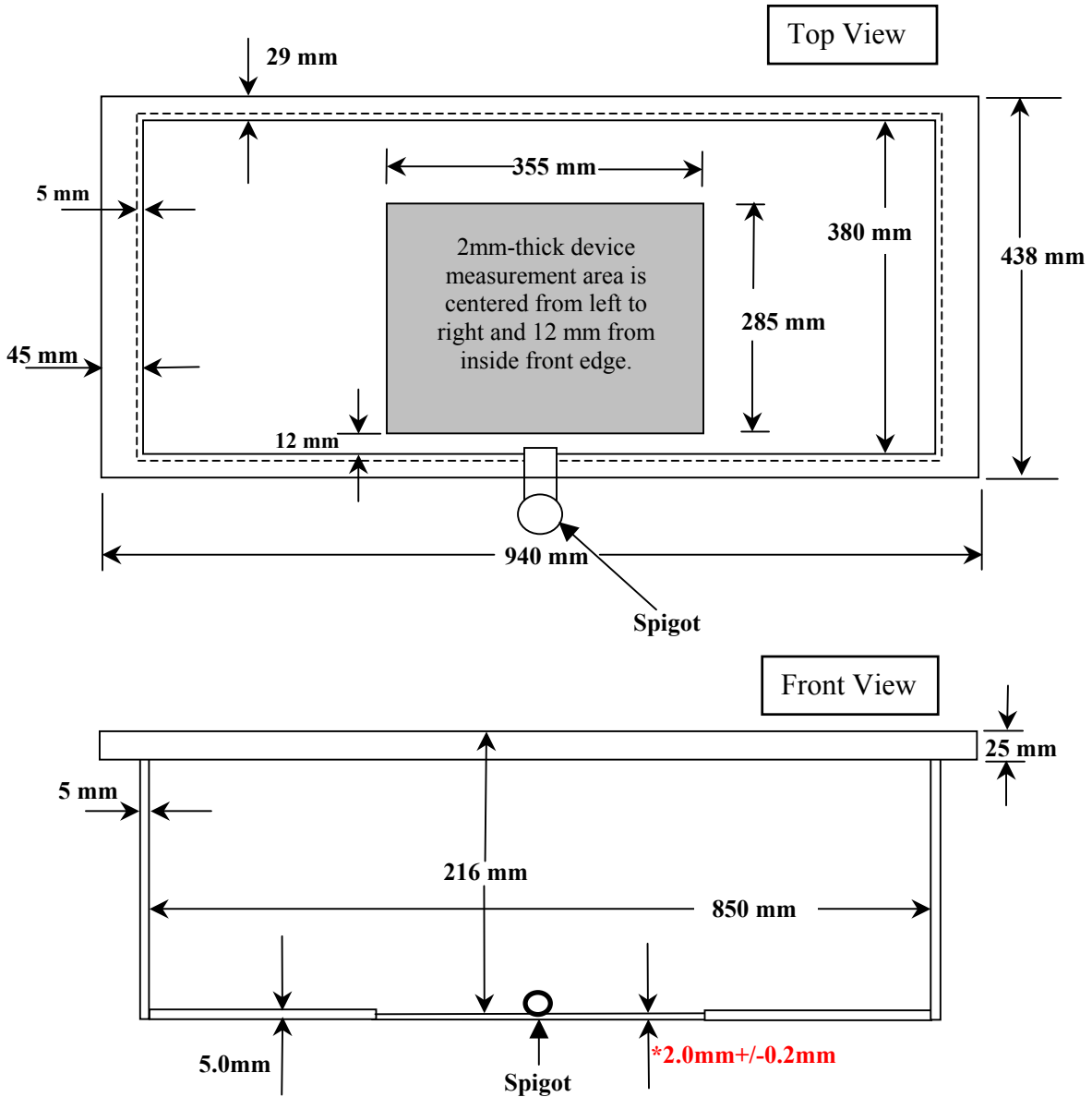
Fiberglass Planar Phantom - Back View



Fiberglass Planar Phantom - Bottom View

Dimensions of Fiberglass Planar Phantom

(Manufactured by Barski Industries Ltd. - Unit# 03-01)



**Note: Measurements that aren't repeated for the opposite sides are the same as the side measured.
This drawing is not to scale.**