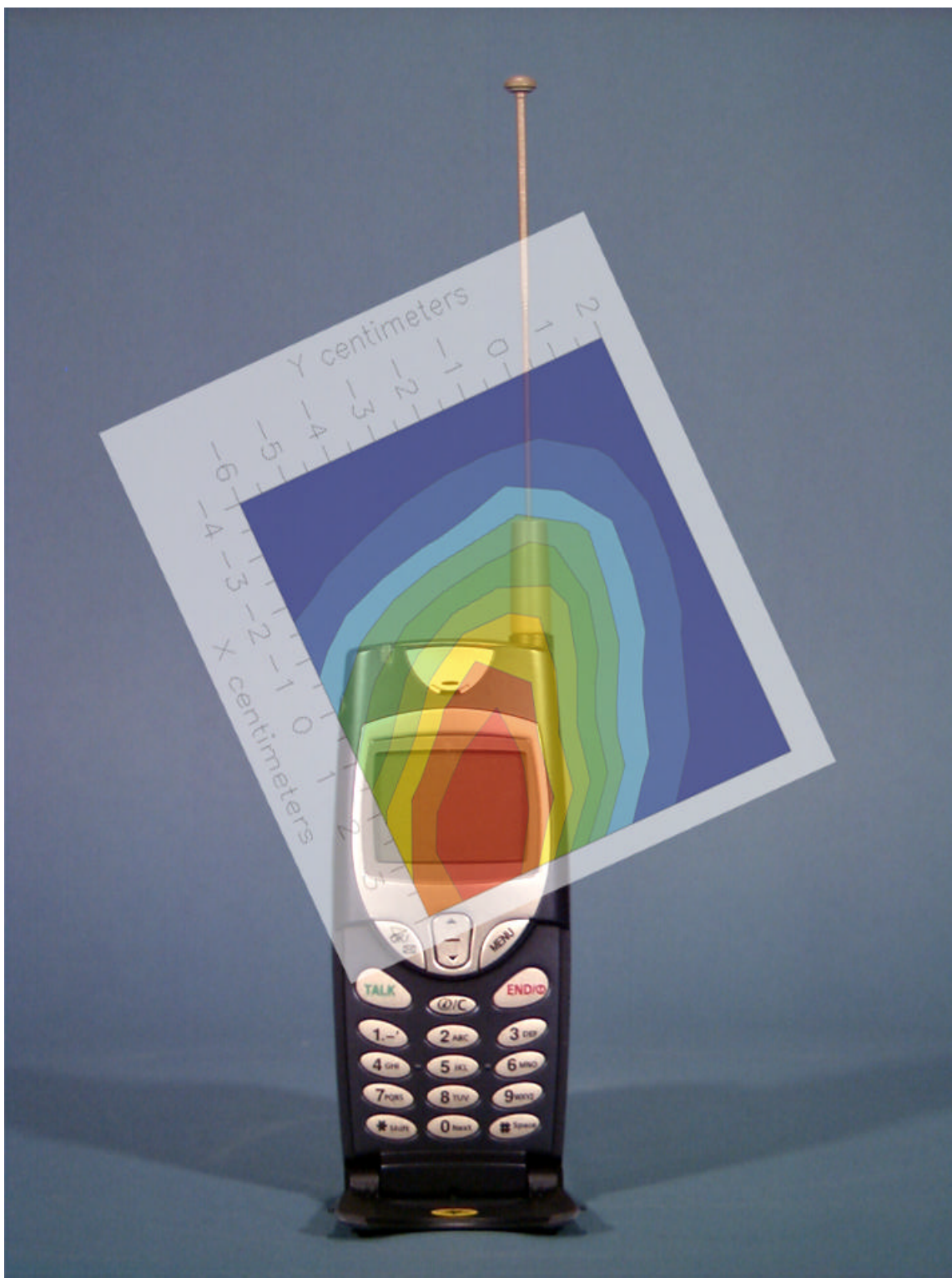


Peak SAR Location

800 MHz Head SAR



File : c:/idx3/SYSTEM/SARMEAS3/data/Normal/01041912_ZOOM.VLT
Start : 19-Apr-101 03:43:38 pm End : 19-Apr-101 03:54:14 pm

Radio Type : SAMSUNG
Model Number : SPH-N170
Serial Number : 1
Frequency : 824.04 MHz
Peak Trans. Pwr : 0.450 W
Start Trans. Pwr : 0.450 W
Antenna Type : Helical
Antenna Posn. : In
Phantom Type : Head
Phantom Posn. : Left Ear
Scan Type : ZOOM/SAR
Probe Name : PCTEST
Field Type : E Field
Orientation : 0 Degrees

Mixture Type = Brain
Mixture Dielectric Constant = 41.500
Mixture Conductivity = 0.900

Comment :
SAMSUNG TRI-MODE PHONE - AMPS MODE
CHAN 0991 Conducted 26.5 dBm
SAMSUNG TRI-MODE PHONE

Robot : PCTEST

Probe Offset = 0.25 cm
Sensor Factor = 0.0108
Conversion Factor = 0.788

PCTEST Amplifier Channel Settings : 0.166 0.135 0.132

Max Location : X = 2.250, Y = -4.250, Z = 0.000 (cm) Value = 19.488

Measured Values (volts) =
1.927E-002 1.528E-002 1.276E-002 1.065E-002 9.130E-003 7.882E-003
7.130E-003 6.566E-003 6.118E-003 5.652E-003 5.000E-003 4.291E-003
3.298E-003 2.485E-003 1.718E-003 1.251E-003 1.026E-003 1.144E-003
1.441E-003 1.811E-003 2.088E-003

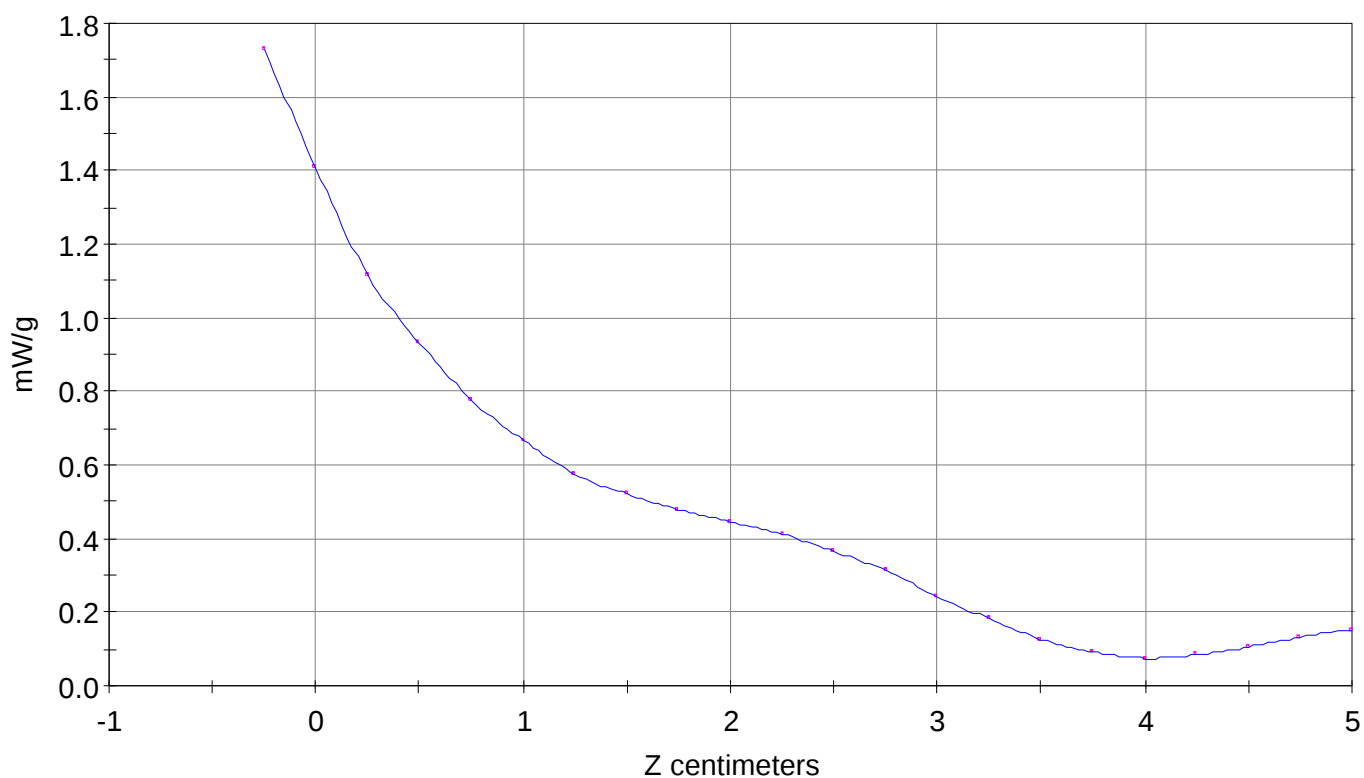
Calc. Voltage @ Surface (Vs) = 0.0237

Voltage @ 1.00 cm (Vt) = 0.0107

Ave. Voltage (Vs+Vt)/2 = 0.0172

Ave. SAR over 1 g (mW/g) = 1.2529

SAR Scan
File : 01041912_ZOOM
Start : 19-Apr-101 03:43:38 pm End : 19-Apr-101 03:54:14 pm
SAMSUNG/SPH-N170/1;824.04MHz;W;Helical/In;
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/41.500/0.900

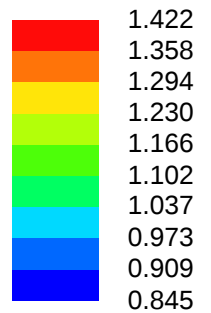
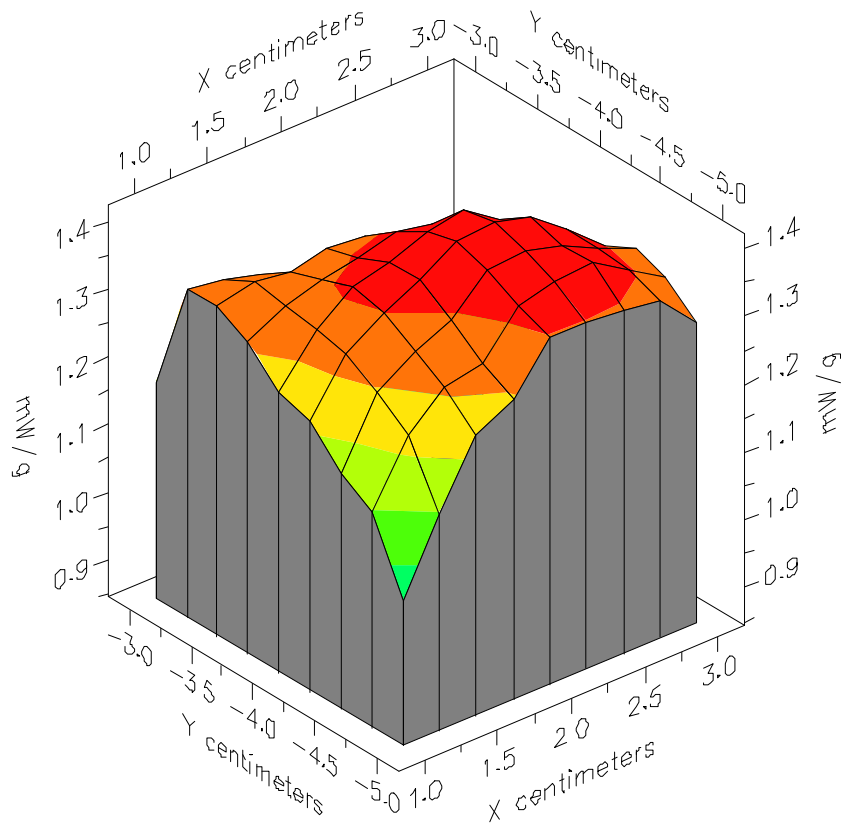


File : 01041912_ZOOM

Start : 19-Apr-101 03:43:38 pm End : 19-Apr-101 03:54:14 pm

SAMSUNG/SPH-N170/1;824.04MHz;W;Helical/In;

Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/41.500/0.900

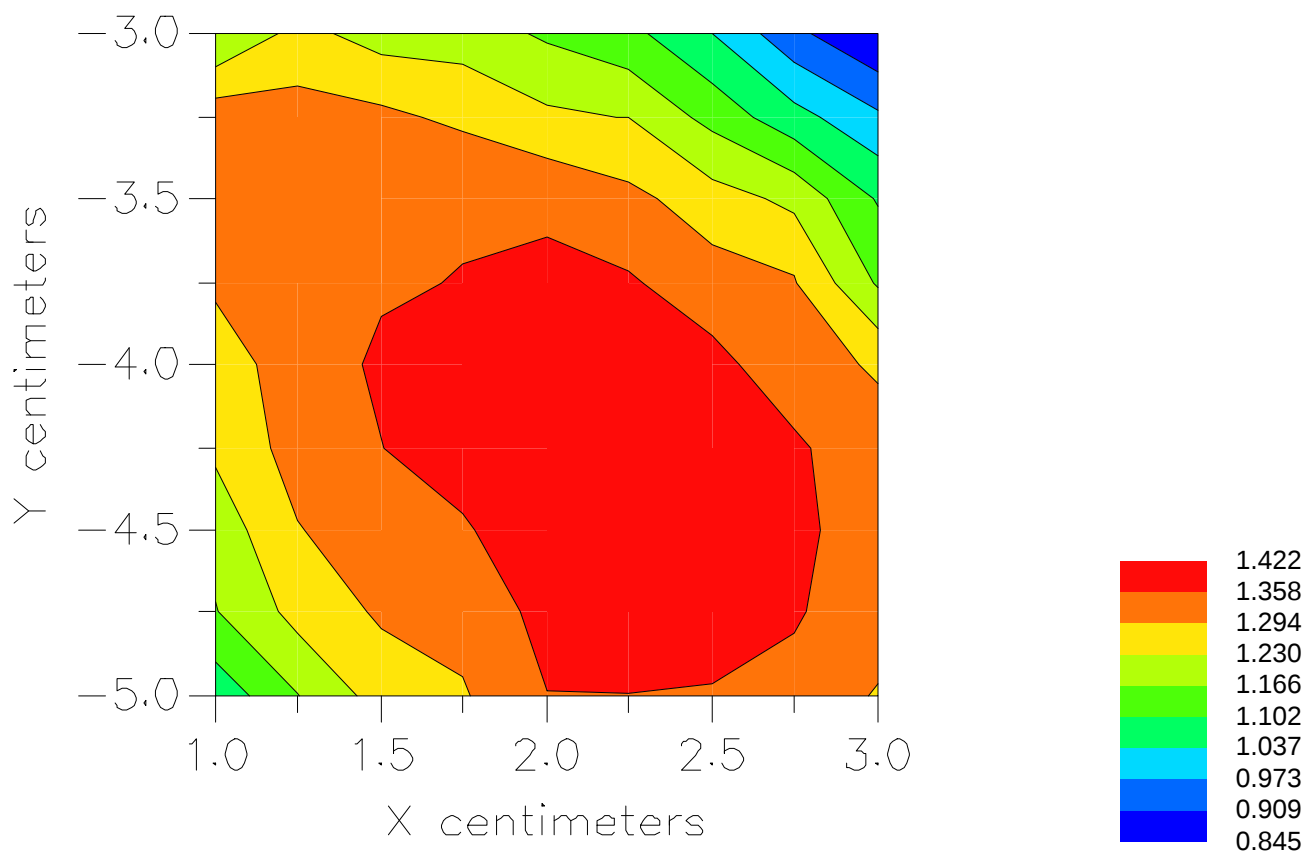


File : 01041912_ZOOM

Start : 19-Apr-101 03:43:38 pm End : 19-Apr-101 03:54:14 pm

SAMSUNG/SPH-N170/1;824.04MHz;W;Helical/In;

Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/41.500/0.900



File : c:/idx3/SYSTEM/SARMEAS3/data/Normal/01041913_ZOOM.VLT
Start : 19-Apr-101 03:55:28 pm End : 19-Apr-101 04:06:01 pm

Radio Type : SAMSUNG
Model Number : SPH-N170
Serial Number : 1
Frequency : 824.04 MHz
Peak Trans. Pwr : 0.450 W
Start Trans. Pwr : 0.450 W
Antenna Type : Helical
Antenna Posn. : Out
Phantom Type : Head
Phantom Posn. : Left Ear
Scan Type : ZOOM/SAR
Probe Name : PCTEST
Field Type : E Field
Orientation : 0 Degrees

Mixture Type = Brain
Mixture Dielectric Constant = 41.500
Mixture Conductivity = 0.900

Comment :
SAMSUNG TRI-MODE PHONE - AMPS MODE
CHAN 0991 Conducted 26.5 dBm
SAMSUNG TRI-MODE PHONE

Robot : PCTEST

Probe Offset = 0.25 cm
Sensor Factor = 0.0108
Conversion Factor = 0.788

PCTEST Amplifier Channel Settings : 0.166 0.135 0.132

Max Location : X = 2.250, Y = -4.250, Z = 0.000 (cm) Value = 19.619

Measured Values (volts) =
1.970E-002 1.571E-002 1.311E-002 1.096E-002 9.490E-003 8.164E-003
7.422E-003 6.762E-003 6.297E-003 5.809E-003 5.181E-003 4.360E-003
3.479E-003 2.554E-003 1.781E-003 1.271E-003 1.103E-003 1.209E-003
1.525E-003 1.951E-003 2.164E-003

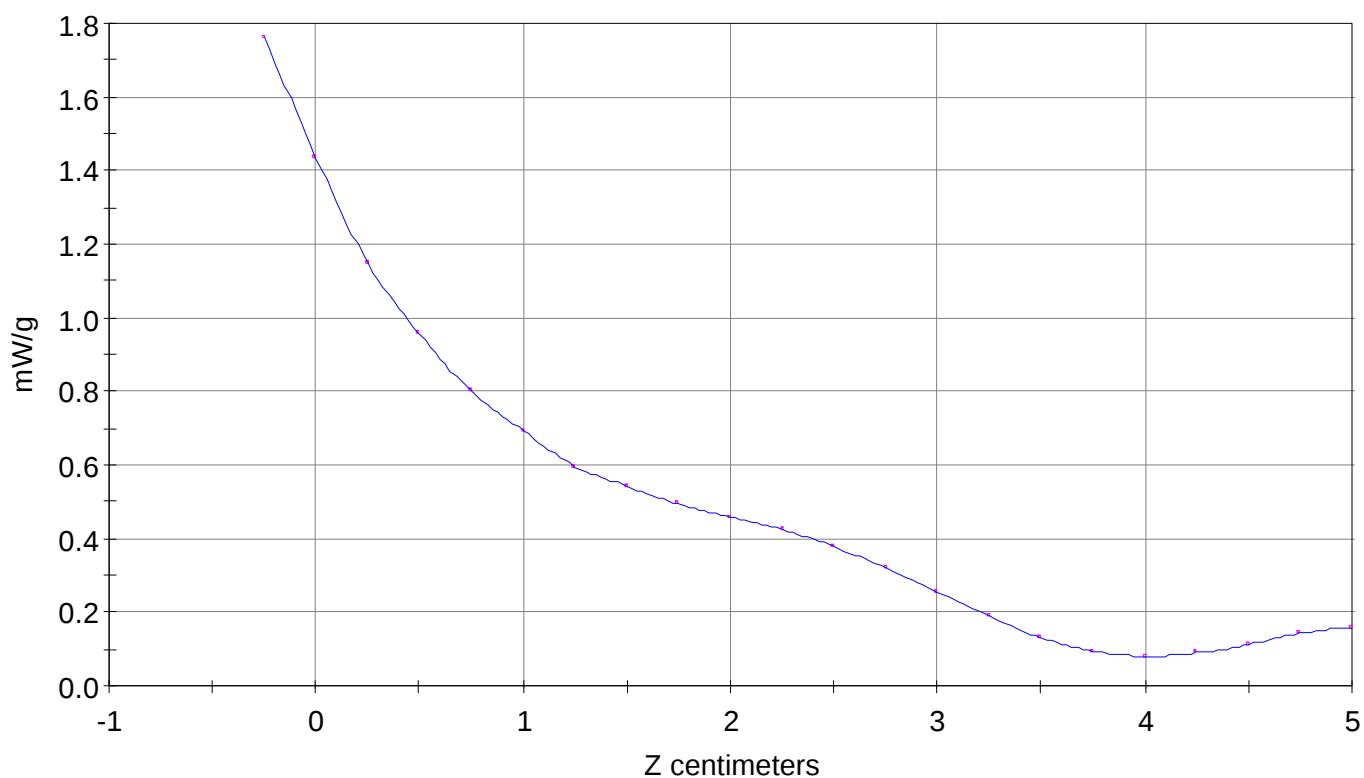
Calc. Voltage @ Surface (Vs) = 0.0242

Voltage @ 1.00 cm (Vt) = 0.0110

Ave. Voltage (Vs+Vt)/2 = 0.0176

Ave. SAR over 1 g (mW/g) = 1.2813

SAR Scan
File : 01041913_ZOOM
Start : 19-Apr-101 03:55:28 pm End : 19-Apr-101 04:06:01 pm
SAMSUNG/SPH-N170/1;824.04MHz;W;Helical/Out;
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/41.500/0.900

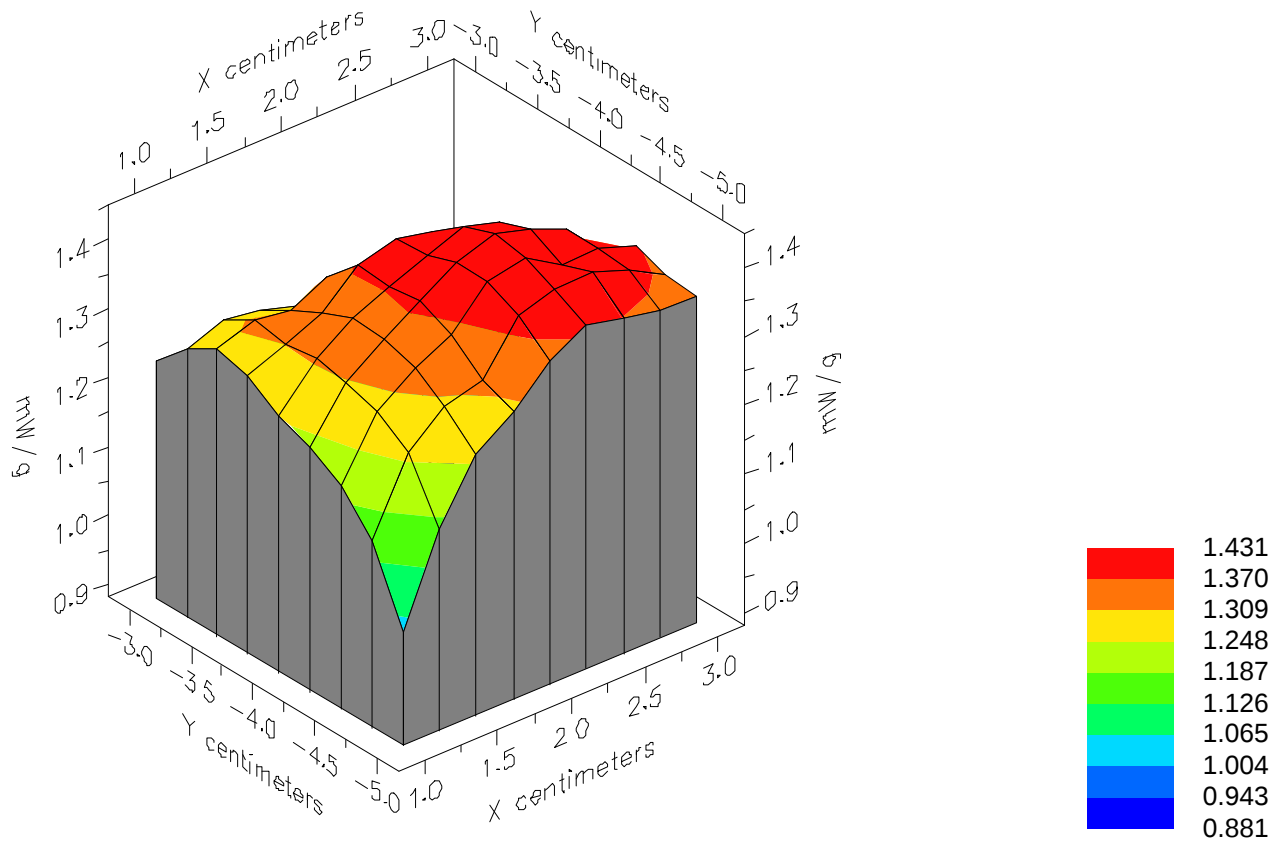


File : 01041913_ZOOM

Start : 19-Apr-101 03:55:28 pm End : 19-Apr-101 04:06:01 pm

SAMSUNG/SPH-N170/1;824.04MHz;W;Helical/Out;

Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/41.500/0.900

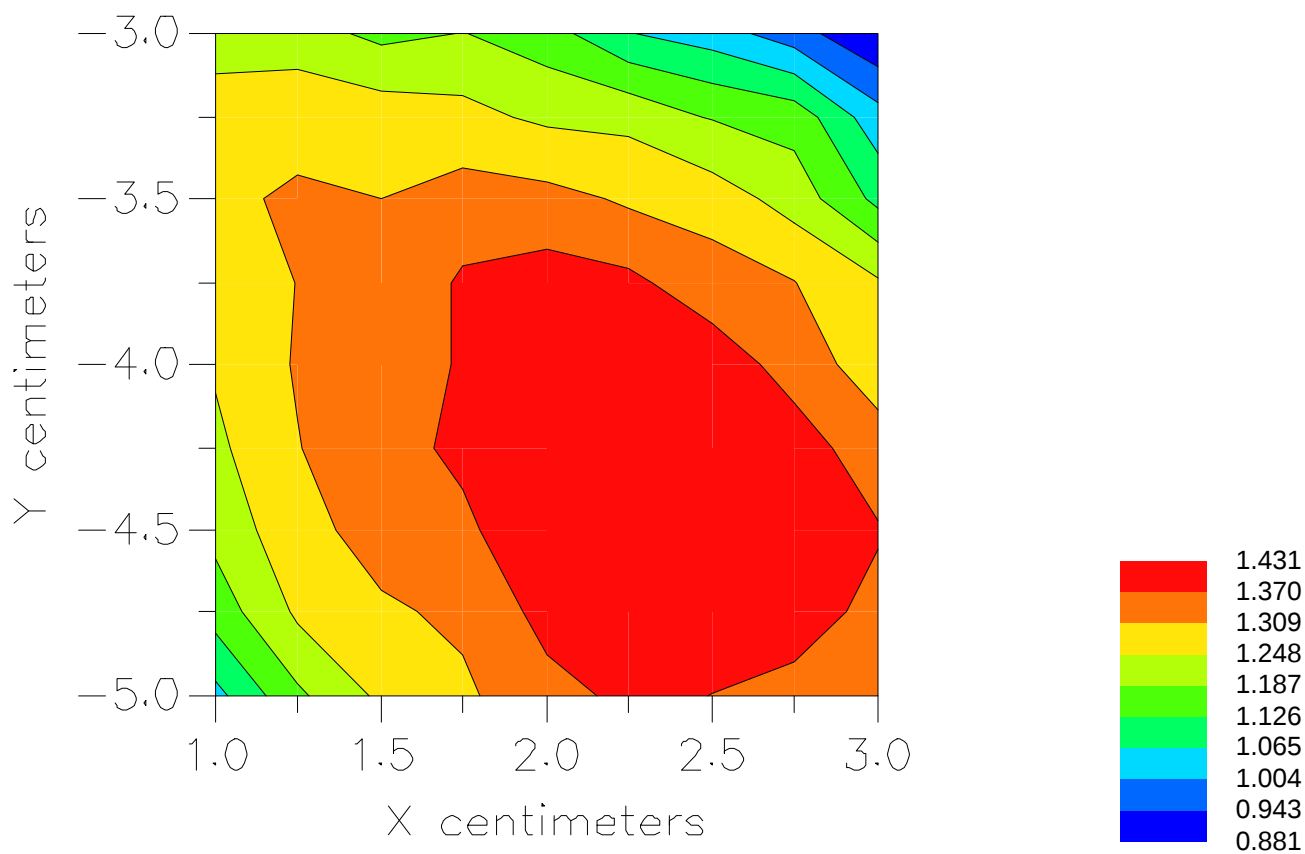


File : 01041913_ZOOM

Start : 19-Apr-101 03:55:28 pm End : 19-Apr-101 04:06:01 pm

SAMSUNG/SPH-N170/1;824.04MHz;W;Helical/Out;

Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/41.500/0.900



File : c:/idx3/SYSTEM/SARMEAS3/data/Normal/01041906_ZOOM.VLT
Start : 19-Apr-101 02:49:27 pm End : 19-Apr-101 02:58:49 pm

Radio Type : SAMSUNG
Model Number : SPH-N170
Serial Number : 1
Frequency : 836.49 MHz
Peak Trans. Pwr : 0.450 W
Start Trans. Pwr: 0.450 W
Antenna Type : Helical
Antenna Posn. : In
Phantom Type : Head
Phantom Posn. : Left Ear
Scan Type : ZOOM/SAR
Probe Name : PCTEST
Field Type : E Field
Orientation : 0 Degrees

Mixture Type = Brain
Mixture Dielectric Constant = 41.500
Mixture Conductivity = 0.900

Comment :
SAMSUNG TRI-MODE PHONE - AMPS MODE
CHAN 0383 Conducted 26.5 dBm
SAMSUNG TRI-MODE PHONE

Robot : PCTEST

Probe Offset = 0.25 cm
Sensor Factor = 0.0108
Conversion Factor = 0.788

PCTEST Amplifier Channel Settings : 0.166 0.135 0.132

Max Location : X = 2.250, Y = -4.250, Z = 0.000 (cm) Value = 16.065

Measured Values (volts) =
1.627E-002 1.268E-002 1.054E-002 8.687E-003 7.446E-003 6.342E-003
5.731E-003 5.222E-003 4.906E-003 4.495E-003 4.025E-003 3.420E-003
2.735E-003 2.007E-003 1.426E-003 9.972E-004 8.555E-004 9.231E-004
1.165E-003 1.479E-003 1.671E-003

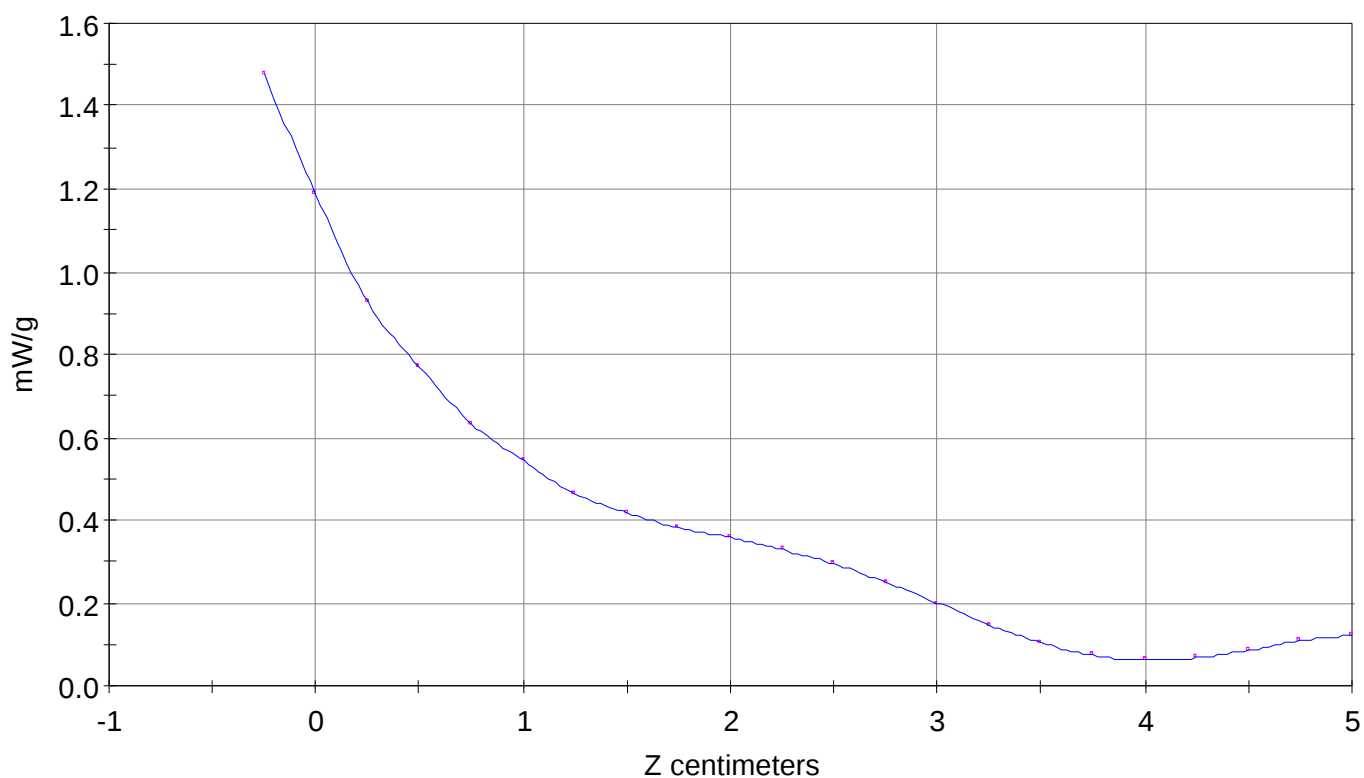
Calc. Voltage @ Surface (Vs) = 0.0202

Voltage @ 1.00 cm (Vt) = 0.0087

Ave. Voltage (Vs+Vt)/2 = 0.0145

Ave. SAR over 1 g (mW/g) = 1.0547

SAR Scan
File : 01041906_ZOOM
Start : 19-Apr-101 02:49:27 pm End : 19-Apr-101 02:58:49 pm
SAMSUNG/SPH-N170/1;836.49MHz;W;Helical/In;
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/41.500/0.900

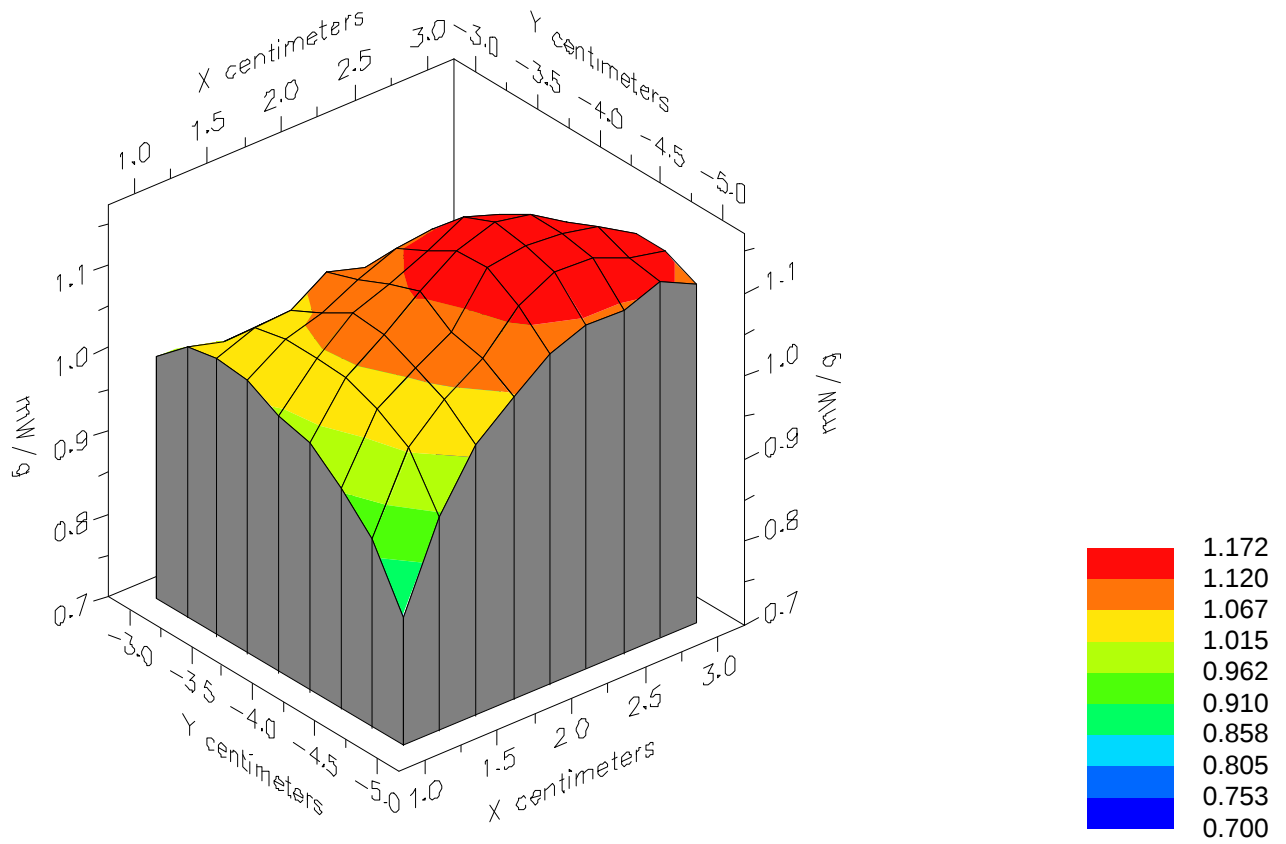


File : 01041906_ZOOM

Start : 19-Apr-101 02:49:27 pm End : 19-Apr-101 02:58:49 pm

SAMSUNG/SPH-N170/1;836.49MHz;W;Helical/In;

Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/41.500/0.900

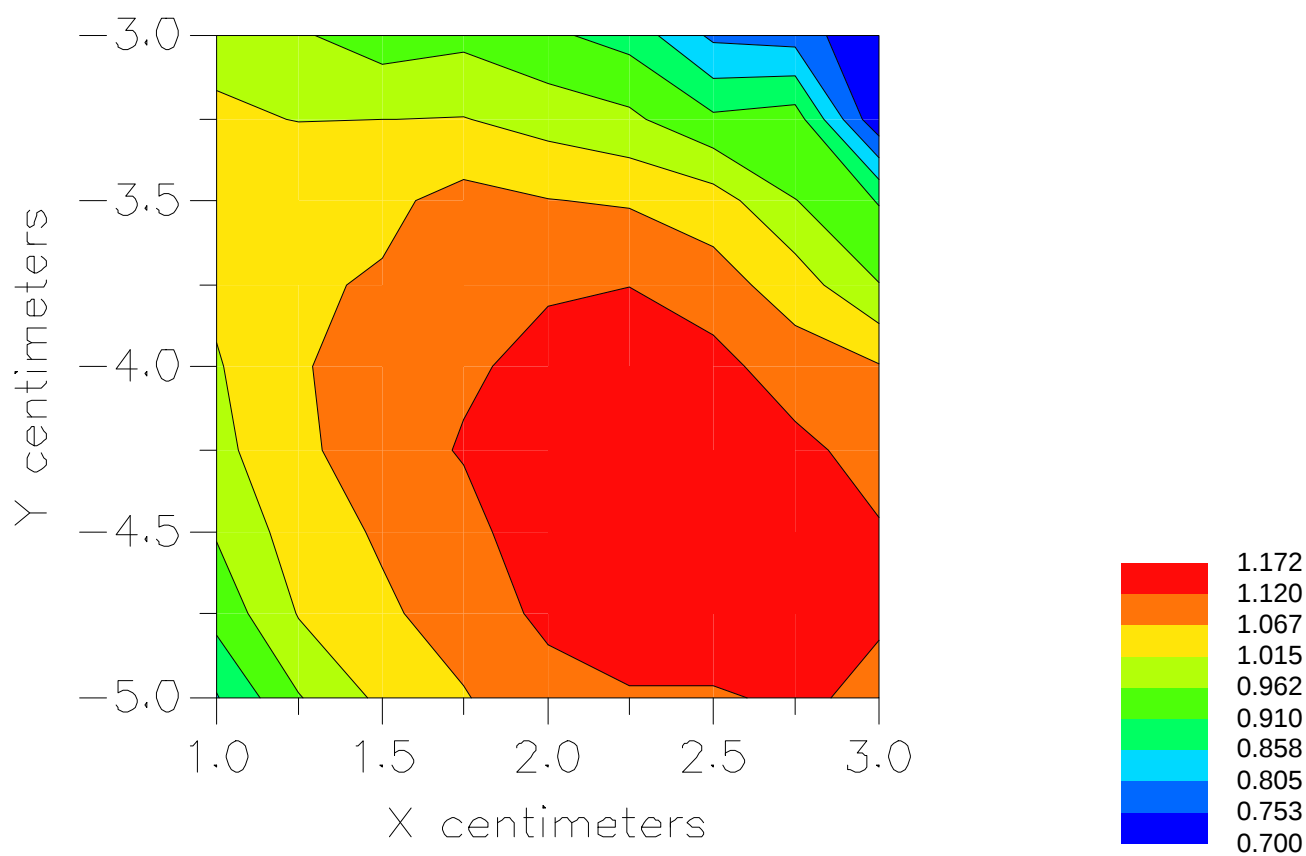


File : 01041906_ZOOM

Start : 19-Apr-101 02:49:27 pm End : 19-Apr-101 02:58:49 pm

SAMSUNG/SPH-N170/1;836.49MHz;W;Helical/In;

Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/41.500/0.900



File : c:/idx3/SYSTEM/SARMEAS3/data/Normal/01041908_ZOOM.VLT
Start : 19-Apr-101 03:02:40 pm End : 19-Apr-101 03:13:04 pm

Radio Type : SAMSUNG
Model Number : SPH-N170
Serial Number : 1
Frequency : 836.49 MHz
Peak Trans. Pwr : 0.450 W
Start Trans. Pwr: 0.450 W
Antenna Type : Helical
Antenna Posn. : Out
Phantom Type : Head
Phantom Posn. : Left Ear
Scan Type : ZOOM/SAR
Probe Name : PCTEST
Field Type : E Field
Orientation : 0 Degrees

Mixture Type = Brain
Mixture Dielectric Constant = 41.500
Mixture Conductivity = 0.900

Comment :
SAMSUNG TRI-MODE PHONE - AMPS MODE
CHAN 0383 Conducted 26.5 dBm
SAMSUNG TRI-MODE PHONE

Robot : PCTEST

Probe Offset = 0.25 cm
Sensor Factor = 0.0108
Conversion Factor = 0.788

PCTEST Amplifier Channel Settings : 0.166 0.135 0.132

Max Location : X = 2.250, Y = -4.500, Z = 0.000 (cm) Value = 15.922

Measured Values (volts) =
1.602E-002 1.250E-002 1.038E-002 8.761E-003 7.503E-003 6.567E-003
5.948E-003 5.494E-003 5.088E-003 4.673E-003 4.078E-003 3.467E-003
2.639E-003 1.969E-003 1.342E-003 1.003E-003 9.216E-004 1.061E-003
1.430E-003 1.683E-003 1.839E-003

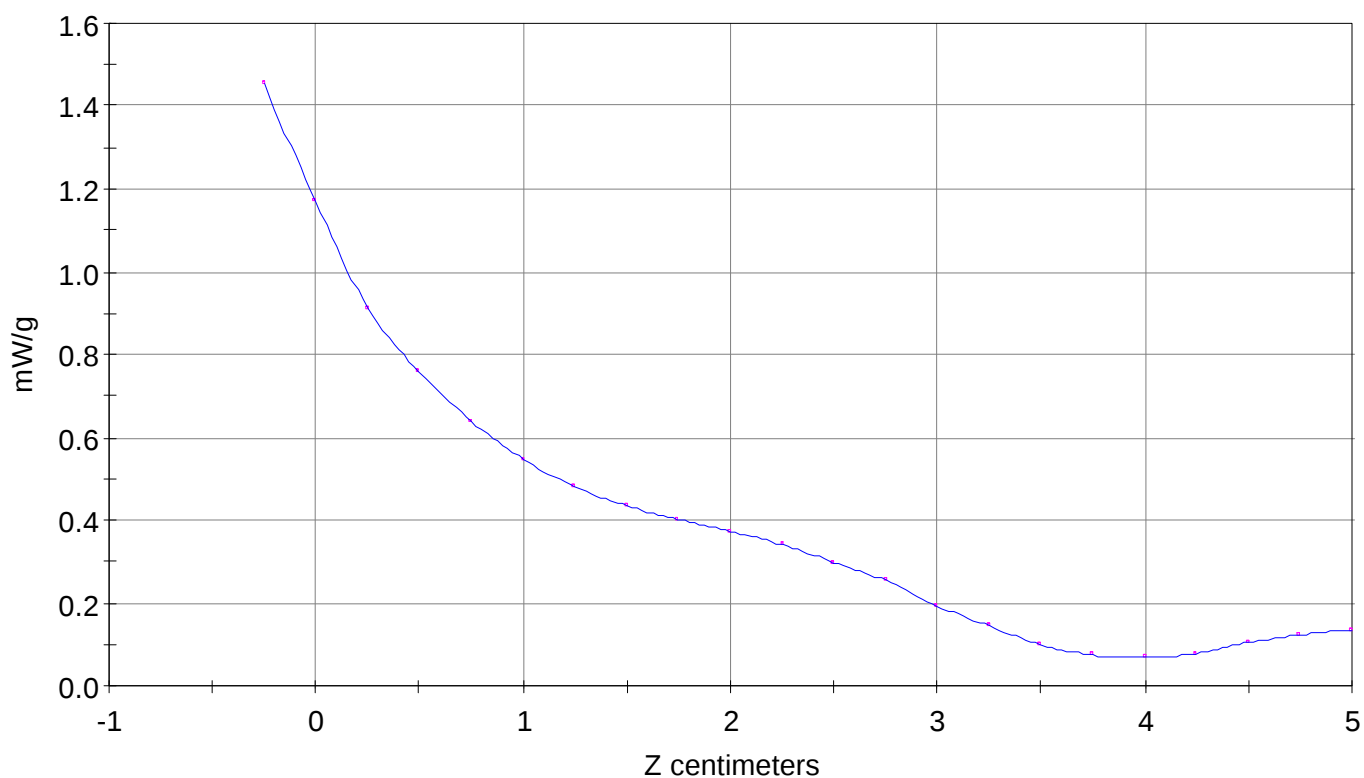
Calc. Voltage @ Surface (Vs) = 0.0199

Voltage @ 1.00 cm (Vt) = 0.0088

Ave. Voltage (Vs+Vt)/2 = 0.0143

Ave. SAR over 1 g (mW/g) = 1.0458

SAR Scan
File : 01041908_ZOOM
Start : 19-Apr-101 03:02:40 pm End : 19-Apr-101 03:13:04 pm
SAMSUNG/SPH-N170/1;836.49MHz;W;Helical/Out;
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/41.500/0.900

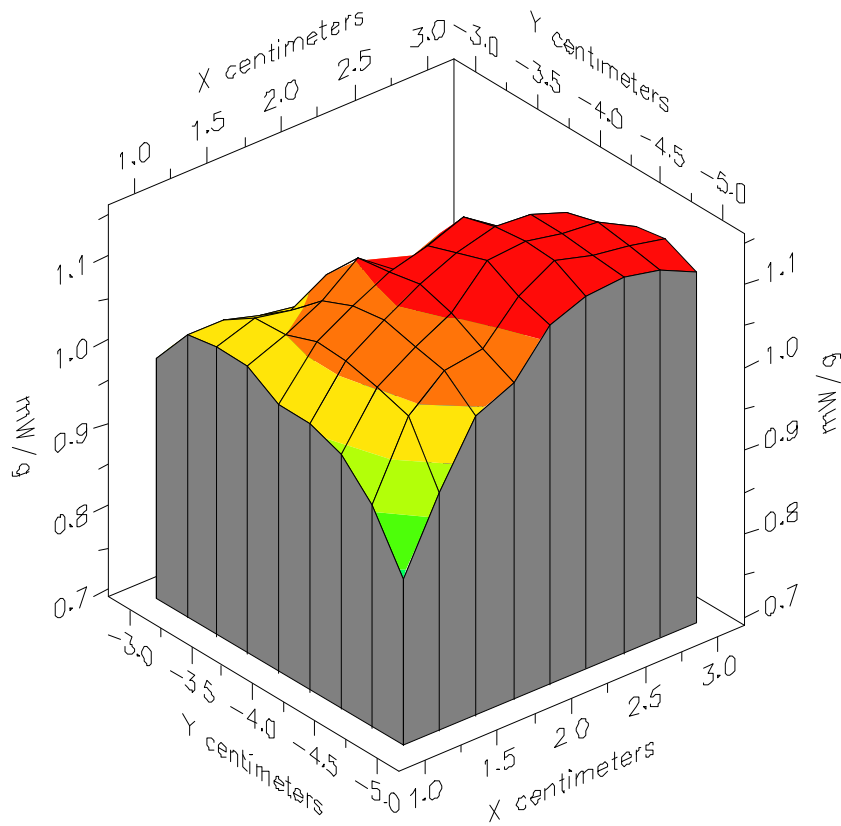


File : 01041908_ZOOM

Start : 19-Apr-101 03:02:40 pm End : 19-Apr-101 03:13:04 pm

SAMSUNG/SPH-N170/1;836.49MHz;W;Helical/Out;

Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/41.500/0.900

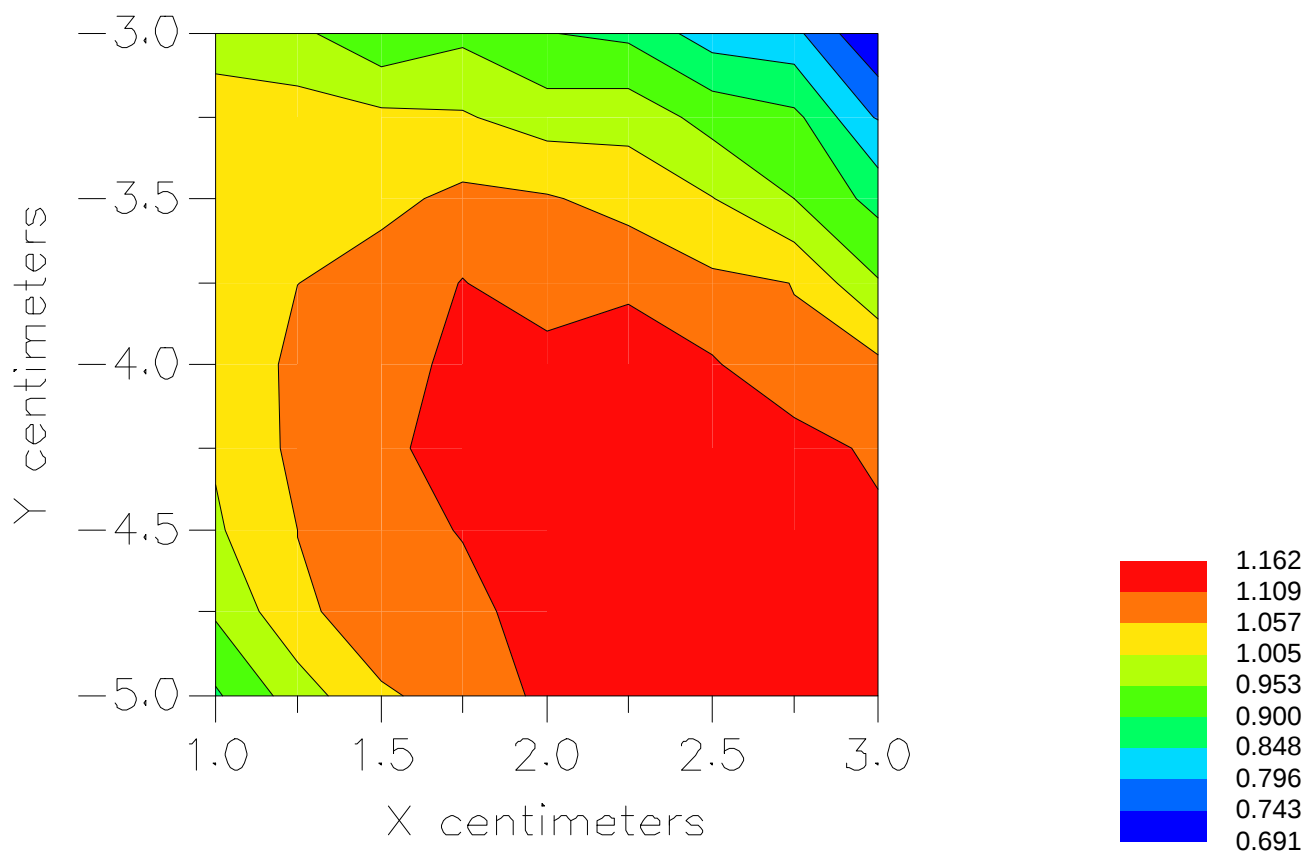


File : 01041908_ZOOM

Start : 19-Apr-101 03:02:40 pm End : 19-Apr-101 03:13:04 pm

SAMSUNG/SPH-N170/1;836.49MHz;W;Helical/Out;

Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/41.500/0.900



File : c:/idx3/SYSTEM/SARMEAS3/data/Normal/01041909_ZOOM.VLT
Start : 19-Apr-101 03:17:16 pm End : 19-Apr-101 03:27:54 pm

Radio Type : SAMSUNG
Model Number : SPH-N170
Serial Number : 1
Frequency : 848.97 MHz
Peak Trans. Pwr : 0.450 W
Start Trans. Pwr: 0.450 W
Antenna Type : Helical
Antenna Posn. : In
Phantom Type : Head
Phantom Posn. : Left Ear
Scan Type : ZOOM/SAR
Probe Name : PCTEST
Field Type : E Field
Orientation : 0 Degrees

Mixture Type = Brain
Mixture Dielectric Constant = 41.500
Mixture Conductivity = 0.900

Comment :
SAMSUNG TRI-MODE PHONE - AMPS MODE
CHAN 0799 Conducted 26.5 dBm
SAMSUNG TRI-MODE PHONE

Robot : PCTEST

Probe Offset = 0.25 cm
Sensor Factor = 0.0108
Conversion Factor = 0.788

PCTEST Amplifier Channel Settings : 0.166 0.135 0.132

Max Location : X = 2.250, Y = -4.250, Z = 0.000 (cm) Value = 16.971

Measured Values (volts) =
1.670E-002 1.280E-002 1.074E-002 8.885E-003 7.448E-003 6.456E-003
5.792E-003 5.309E-003 4.953E-003 4.586E-003 4.097E-003 3.462E-003
2.721E-003 2.009E-003 1.410E-003 1.002E-003 8.637E-004 9.874E-004
1.200E-003 1.555E-003 1.736E-003

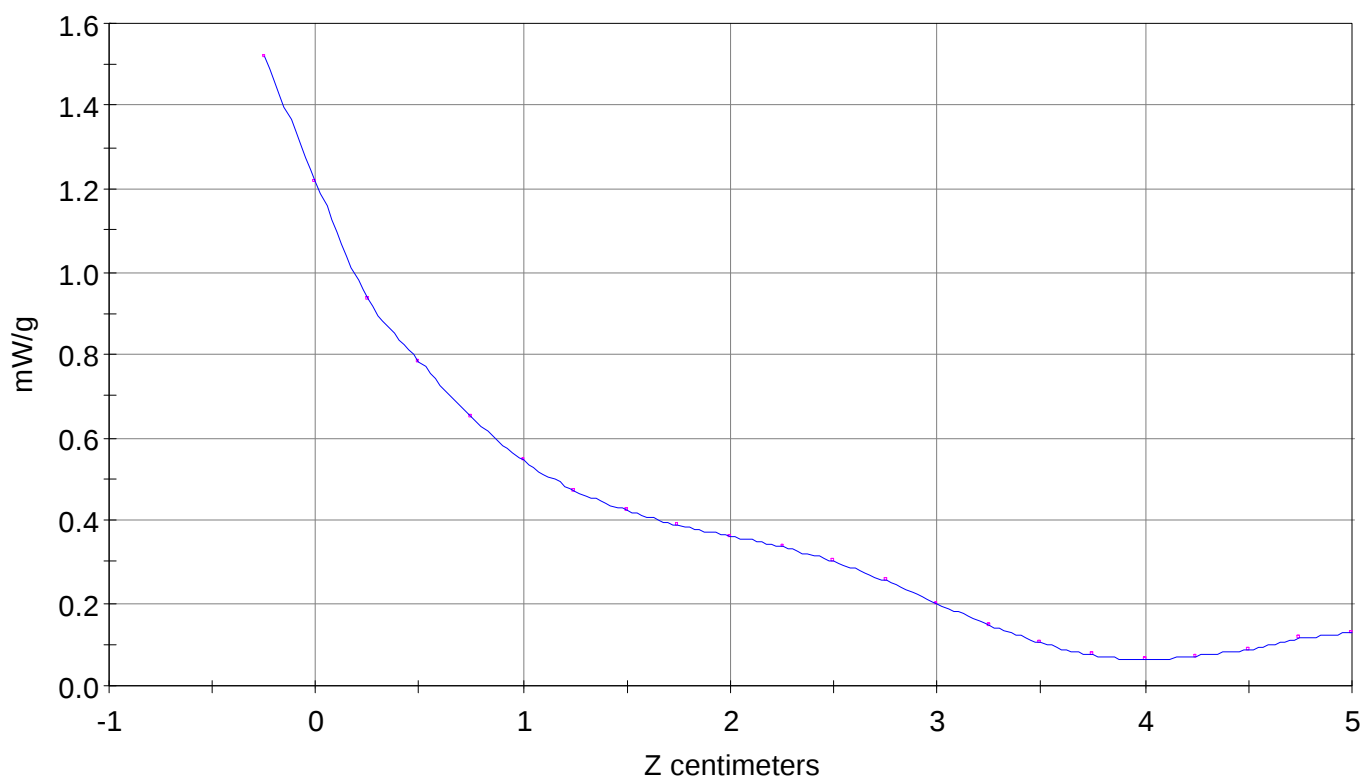
Calc. Voltage @ Surface (Vs) = 0.0208

Voltage @ 1.00 cm (Vt) = 0.0089

Ave. Voltage (Vs+Vt)/2 = 0.0149

Ave. SAR over 1 g (mW/g) = 1.0843

SAR Scan
File : 01041909_ZOOM
Start : 19-Apr-101 03:17:16 pm End : 19-Apr-101 03:27:54 pm
SAMSUNG/SPH-N170/1;848.97MHz;W;Helical/In;
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/41.500/0.900

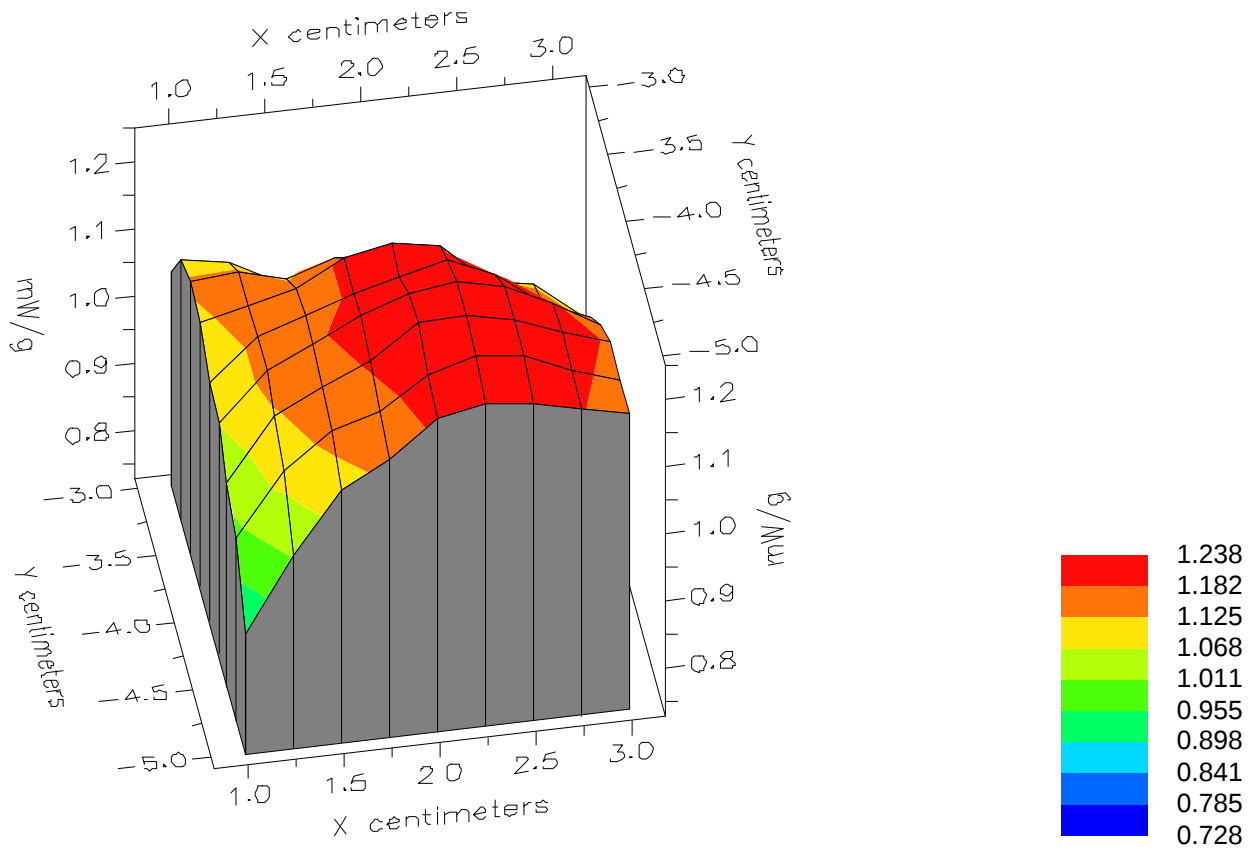


File : 01041909_ZOOM

Start : 19-Apr-101 03:17:16 pm End : 19-Apr-101 03:27:54 pm

SAMSUNG/SPH-N170/1;848.97MHz;W;Helical/In;

Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/41.500/0.900

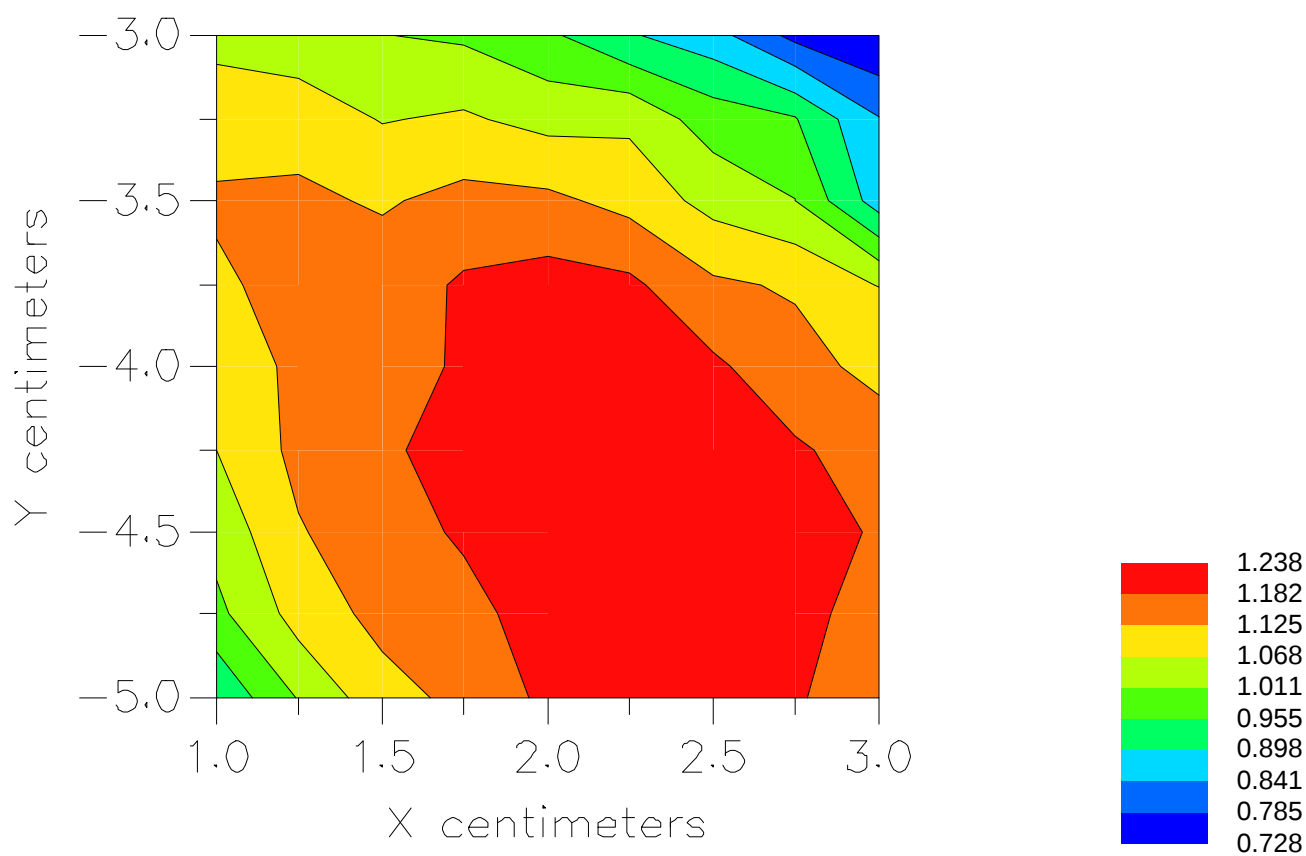


File : 01041909_ZOOM

Start : 19-Apr-101 03:17:16 pm End : 19-Apr-101 03:27:54 pm

SAMSUNG/SPH-N170/1;848.97MHz;W;Helical/In;

Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/41.500/0.900



File : c:/idx3/SYSTEM/SARMEAS3/data/Normal/01041910_ZOOM.VLT
Start : 19-Apr-101 03:30:04 pm End : 19-Apr-101 03:40:38 pm

Radio Type : SAMSUNG
Model Number : SPH-N170
Serial Number : 1
Frequency : 848.97 MHz
Peak Trans. Pwr : 0.450 W
Start Trans. Pwr : 0.450 W
Antenna Type : Helical
Antenna Posn. : Out
Phantom Type : Head
Phantom Posn. : Left Ear
Scan Type : ZOOM/SAR
Probe Name : PCTEST
Field Type : E Field
Orientation : 0 Degrees

Mixture Type = Brain
Mixture Dielectric Constant = 41.500
Mixture Conductivity = 0.900

Comment :
SAMSUNG TRI-MODE PHONE - AMPS MODE
CHAN 0799 Conducted 26.5 dBm
SAMSUNG TRI-MODE PHONE

Robot : PCTEST

Probe Offset = 0.25 cm
Sensor Factor = 0.0108
Conversion Factor = 0.788

PCTEST Amplifier Channel Settings : 0.166 0.135 0.132

Max Location : X = 2.250, Y = -4.500, Z = 0.000 (cm) Value = 18.248

Measured Values (volts) =
1.800E-002 1.432E-002 1.193E-002 1.001E-002 8.504E-003 7.287E-003
6.616E-003 6.031E-003 5.610E-003 5.139E-003 4.593E-003 3.893E-003
3.127E-003 2.285E-003 1.595E-003 1.154E-003 9.738E-004 1.076E-003
1.422E-003 1.768E-003 1.994E-003

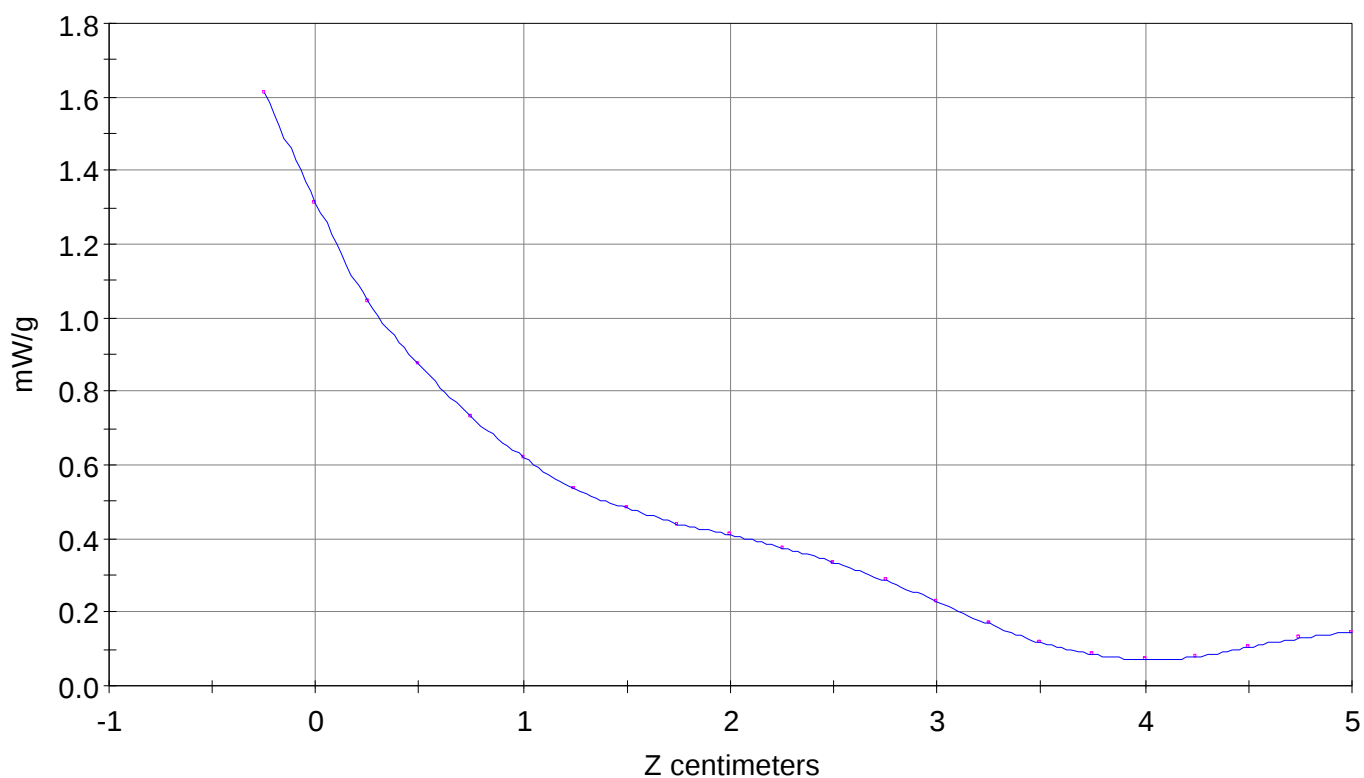
Calc. Voltage @ Surface (Vs) = 0.0221

Voltage @ 1.00 cm (Vt) = 0.0100

Ave. Voltage (Vs+Vt)/2 = 0.0161

Ave. SAR over 1 g (mW/g) = 1.1718

SAR Scan
File : 01041910_ZOOM
Start : 19-Apr-101 03:30:04 pm End : 19-Apr-101 03:40:38 pm
SAMSUNG/SPH-N170/1;848.97MHz;W;Helical/Out;
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/41.500/0.900

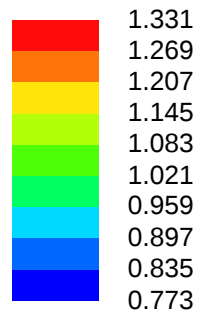
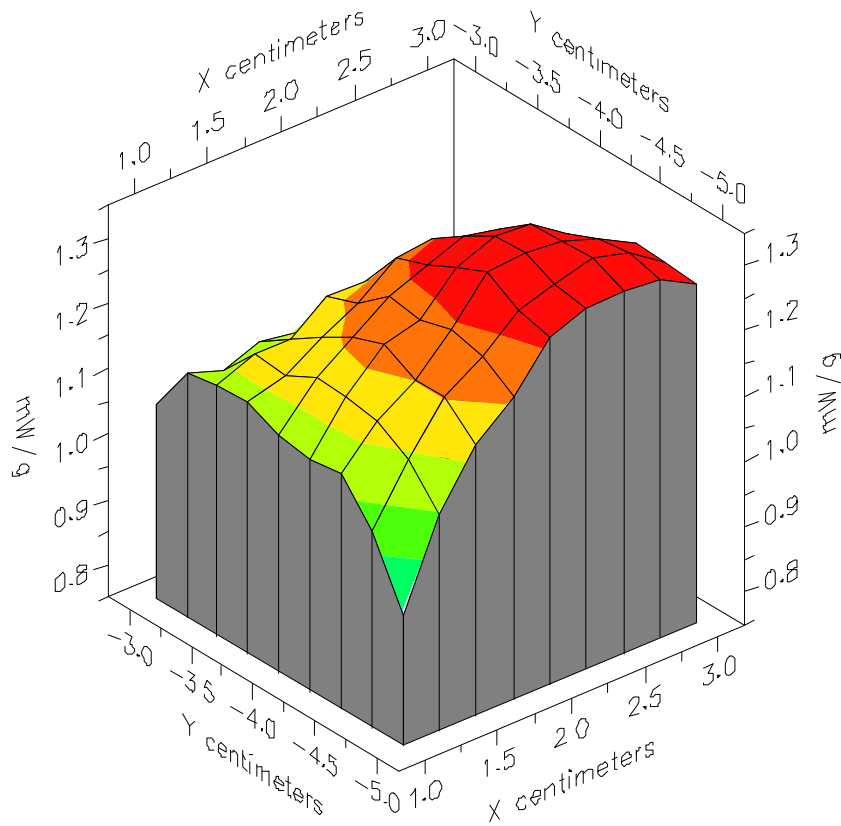


File : 01041910_ZOOM

Start : 19-Apr-101 03:30:04 pm End : 19-Apr-101 03:40:38 pm

SAMSUNG/SPH-N170/1;848.97MHz;W;Helical/Out;

Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/41.500/0.900

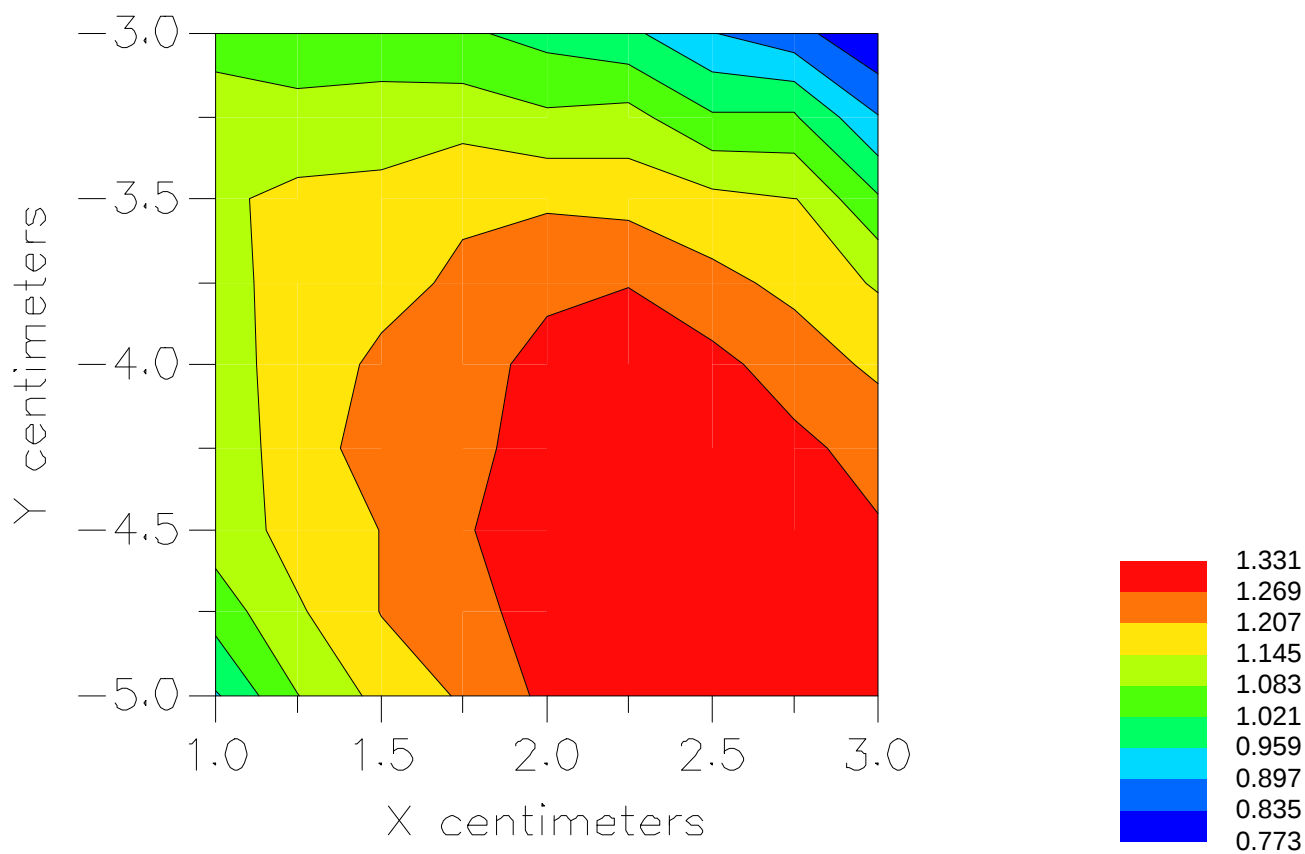


File : 01041910_ZOOM

Start : 19-Apr-101 03:30:04 pm End : 19-Apr-101 03:40:38 pm

SAMSUNG/SPH-N170/1;848.97MHz;W;Helical/Out;

Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/41.500/0.900



File : c:/idx3/SYSTEM/SARMEAS3/data/Normal/01041914_ZOOM.VLT
Start : 19-Apr-101 04:12:05 pm End : 19-Apr-101 04:21:29 pm

Radio Type : SAMSUNG
Model Number : SPH-N170
Serial Number : 1
Frequency : 824.70 MHz
Peak Trans. Pwr : 0.320 W
Start Trans. Pwr : 0.320 W
Antenna Type : Helical
Antenna Posn. : In
Phantom Type : Head
Phantom Posn. : Left Ear
Scan Type : ZOOM/SAR
Probe Name : PCTEST
Field Type : E Field
Orientation : 0 Degrees

Mixture Type = Brain
Mixture Dielectric Constant = 41.500
Mixture Conductivity = 0.900

Comment :
SAMSUNG TRI-MODE PHONE - CDMA MODE
CHAN 1013 Conducted 25.0 dBm
SAMSUNG TRI-MODE PHONE

Robot : PCTEST

Probe Offset = 0.25 cm
Sensor Factor = 0.0108
Conversion Factor = 0.788

PCTEST Amplifier Channel Settings : 0.166 0.135 0.132

Max Location : X = 2.250, Y = -4.250, Z = 0.000 (cm) Value = 10.956

Measured Values (volts) =
1.107E-002 8.334E-003 7.033E-003 5.790E-003 4.914E-003 4.371E-003
3.920E-003 3.601E-003 3.349E-003 3.069E-003 2.701E-003 2.252E-003
1.758E-003 1.303E-003 8.844E-004 6.368E-004 5.730E-004 6.721E-004
8.205E-004 1.050E-003 1.155E-003

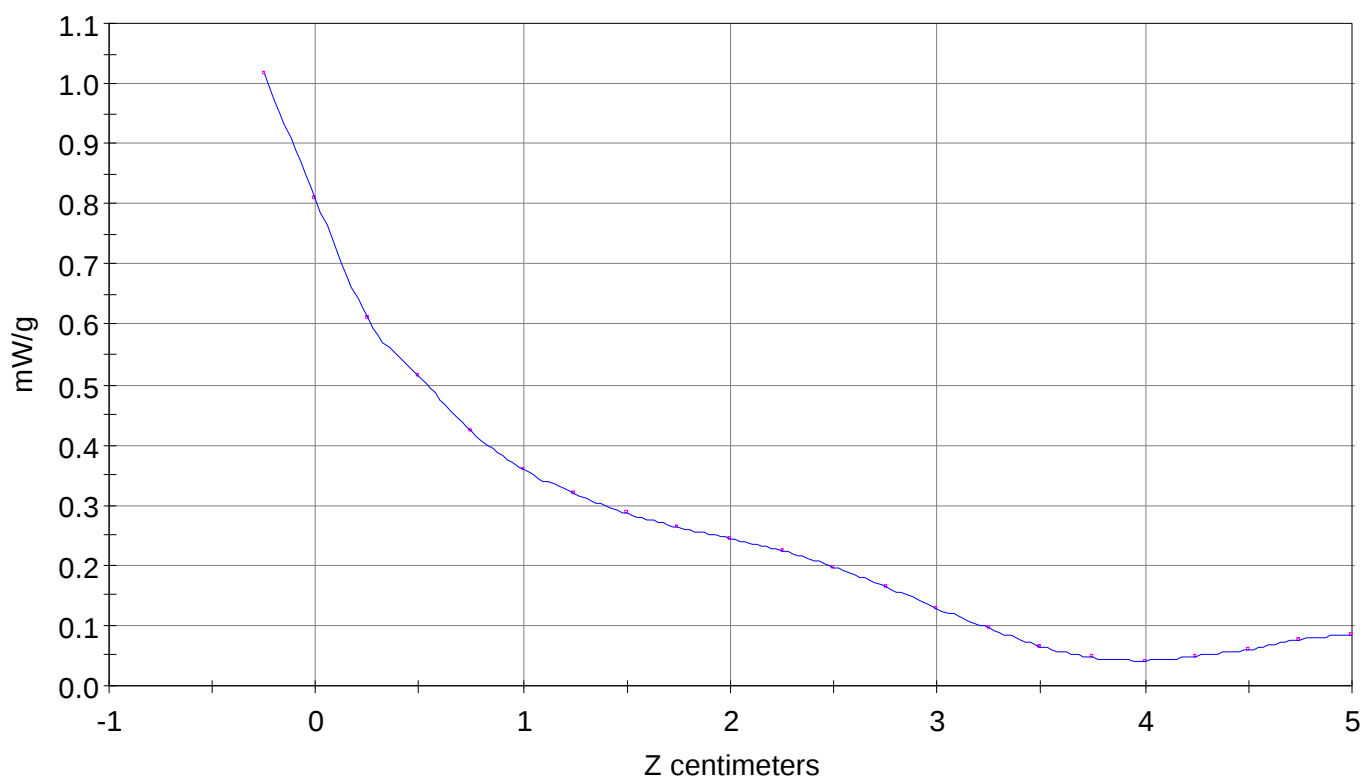
Calc. Voltage @ Surface (Vs) = 0.0139

Voltage @ 1.00 cm (Vt) = 0.0058

Ave. Voltage (Vs+Vt)/2 = 0.0098

Ave. SAR over 1 g (mW/g) = 0.7186

SAR Scan
File : 01041914_ZOOM
Start : 19-Apr-101 04:12:05 pm End : 19-Apr-101 04:21:29 pm
SAMSUNG/SPH-N170/1;824.70MHz;W;Helical/In;
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/41.500/0.900

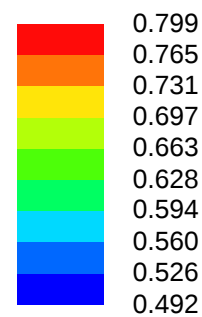
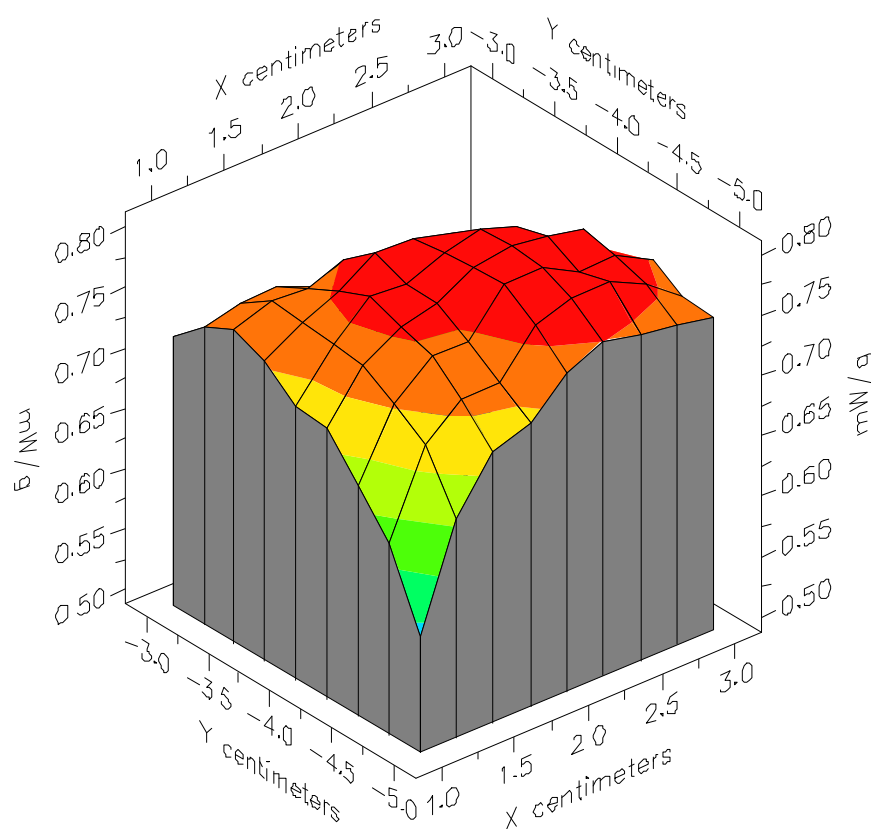


File : 01041914_ZOOM

Start : 19-Apr-101 04:12:05 pm End : 19-Apr-101 04:21:29 pm

SAMSUNG/SPH-N170/1;824.70MHz;W;Helical/In;

Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/41.500/0.900

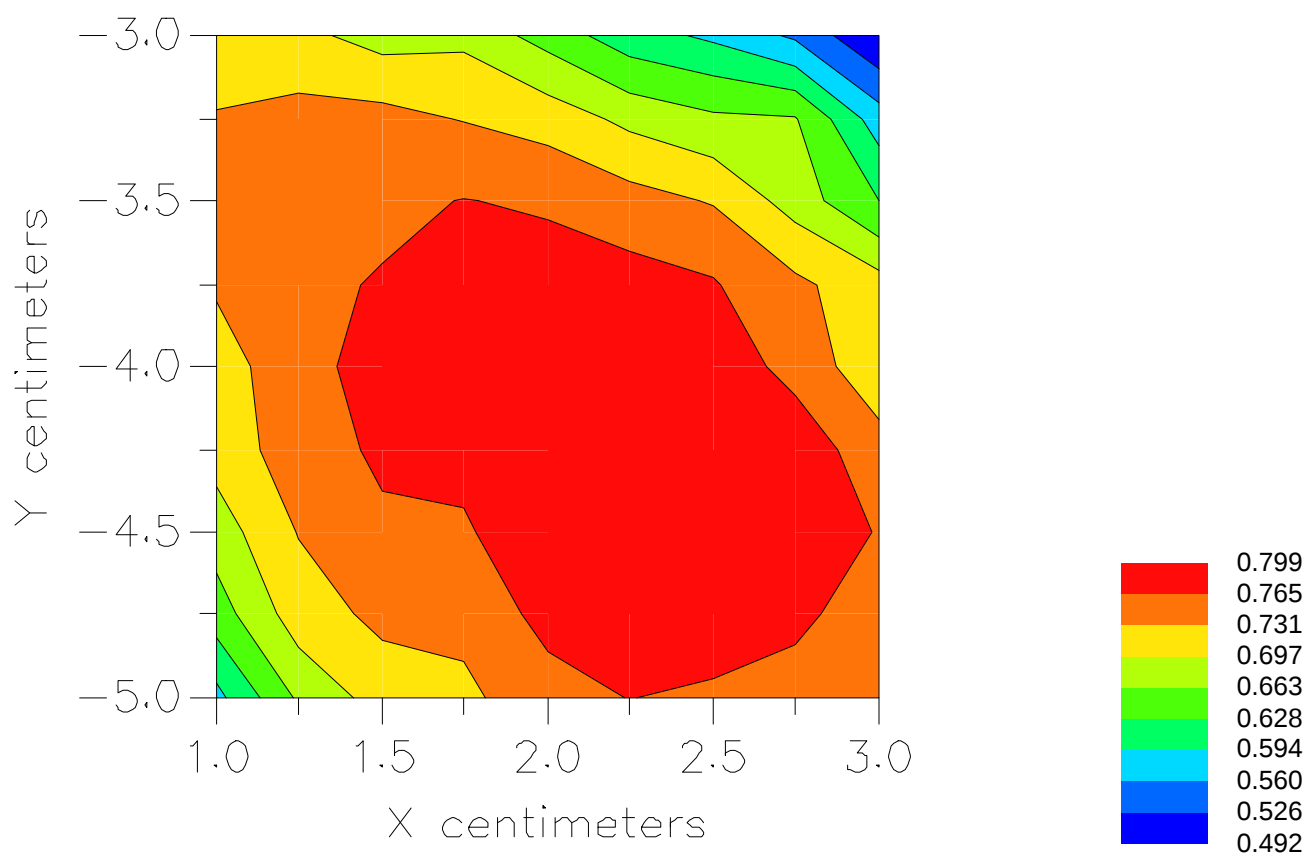


File : 01041914_ZOOM

Start : 19-Apr-101 04:12:05 pm End : 19-Apr-101 04:21:29 pm

SAMSUNG/SPH-N170/1;824.70MHz;W;Helical/In;

Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/41.500/0.900



File : c:/idx3/SYSTEM/SARMEAS3/data/Normal/01041915_ZOOM.VLT
Start : 19-Apr-101 04:25:31 pm End : 19-Apr-101 04:34:56 pm

Radio Type : SAMSUNG
Model Number : SPH-N170
Serial Number : 1
Frequency : 824.70 MHz
Peak Trans. Pwr : 0.320 W
Start Trans. Pwr: 0.320 W
Antenna Type : Helical
Antenna Posn. : Out
Phantom Type : Head
Phantom Posn. : Left Ear
Scan Type : ZOOM/SAR
Probe Name : PCTEST
Field Type : E Field
Orientation : 0 Degrees

Mixture Type = Brain
Mixture Dielectric Constant = 41.500
Mixture Conductivity = 0.900

Comment :
SAMSUNG TRI-MODE PHONE - CDMA MODE
CHAN 1013 Conducted 25.0 dBm
SAMSUNG TRI-MODE PHONE

Robot : PCTEST

Probe Offset = 0.25 cm
Sensor Factor = 0.0108
Conversion Factor = 0.788

PCTEST Amplifier Channel Settings : 0.166 0.135 0.132

Max Location : X = 2.250, Y = -4.250, Z = 0.000 (cm) Value = 10.440

Measured Values (volts) =
1.053E-002 7.966E-003 6.725E-003 5.575E-003 4.788E-003 4.182E-003
3.724E-003 3.449E-003 3.194E-003 2.947E-003 2.608E-003 2.163E-003
1.670E-003 1.246E-003 8.423E-004 6.147E-004 5.569E-004 6.726E-004
8.295E-004 1.021E-003 1.133E-003

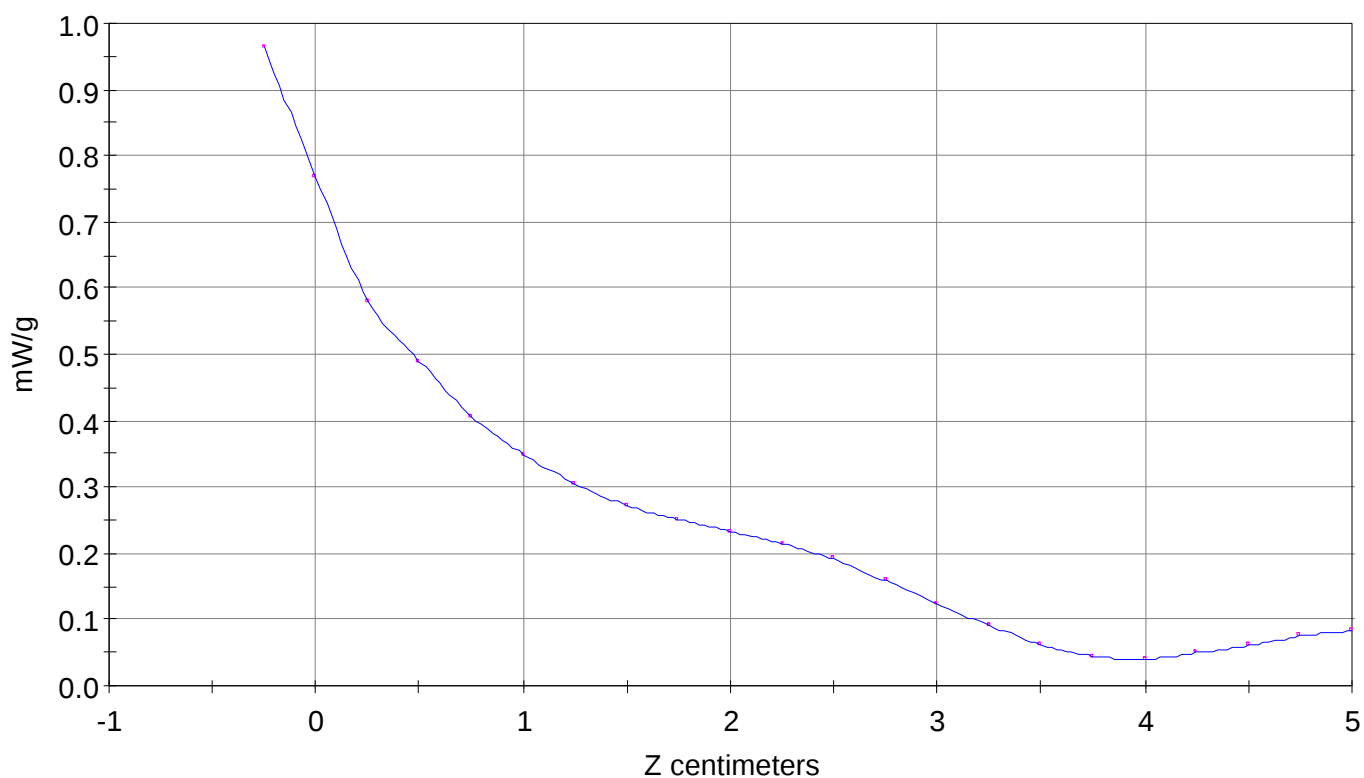
Calc. Voltage @ Surface (Vs) = 0.0132

Voltage @ 1.00 cm (Vt) = 0.0056

Ave. Voltage (Vs+Vt)/2 = 0.0094

Ave. SAR over 1 g (mW/g) = 0.6851

SAR Scan
File : 01041915_ZOOM
Start : 19-Apr-10 04:25:31 pm End : 19-Apr-10 04:34:56 pm
SAMSUNG/SPH-N170/1;824.70MHz;W;Helical/Out;
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 Degrees Brain/41.500/0.900

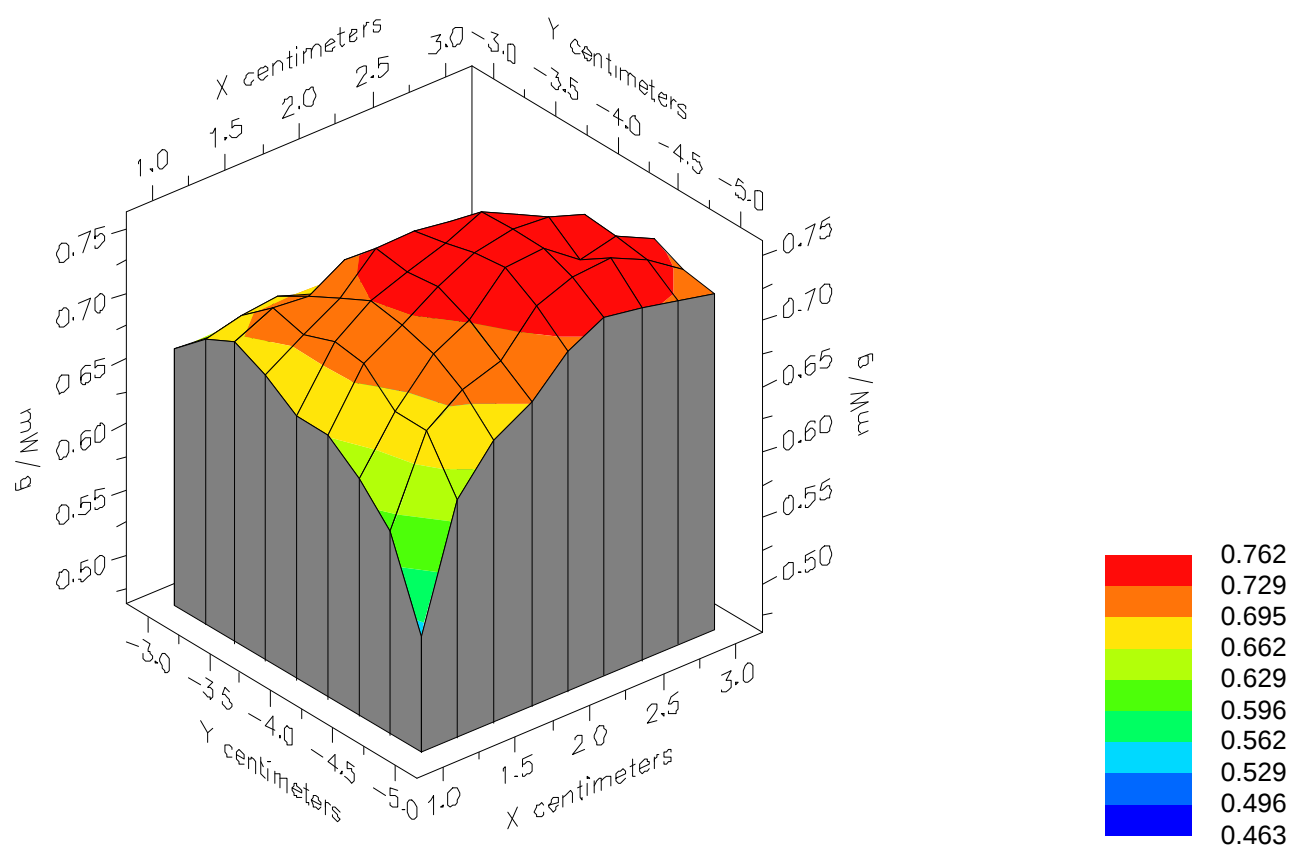


File : 01041915_ZOOM

Start : 19-Apr-101 04:25:31 pm End : 19-Apr-101 04:34:56 pm

SAMSUNG/SPH-N170/1;824.70MHz;W;Helical/Out;

Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/41.500/0.900

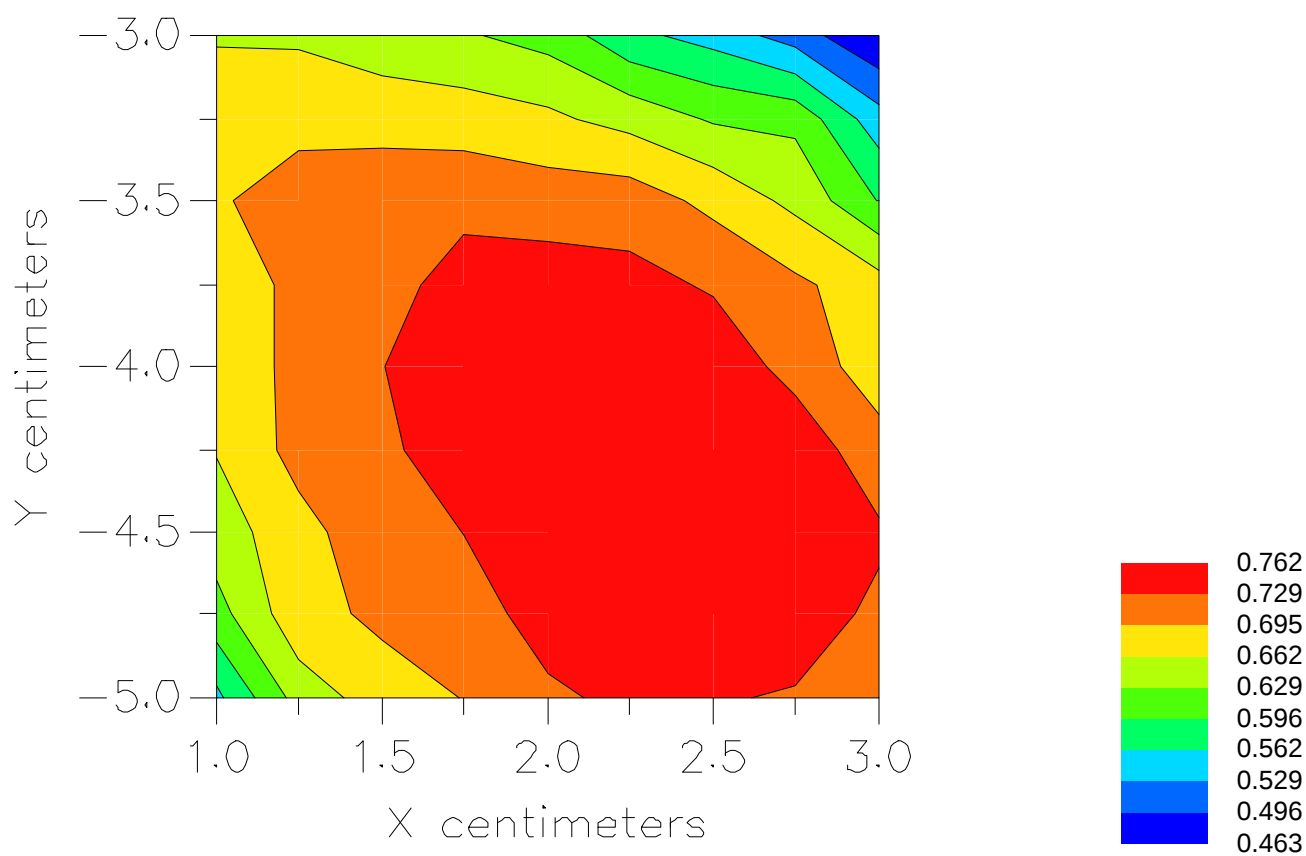


File : 01041915_ZOOM

Start : 19-Apr-101 04:25:31 pm End : 19-Apr-101 04:34:56 pm

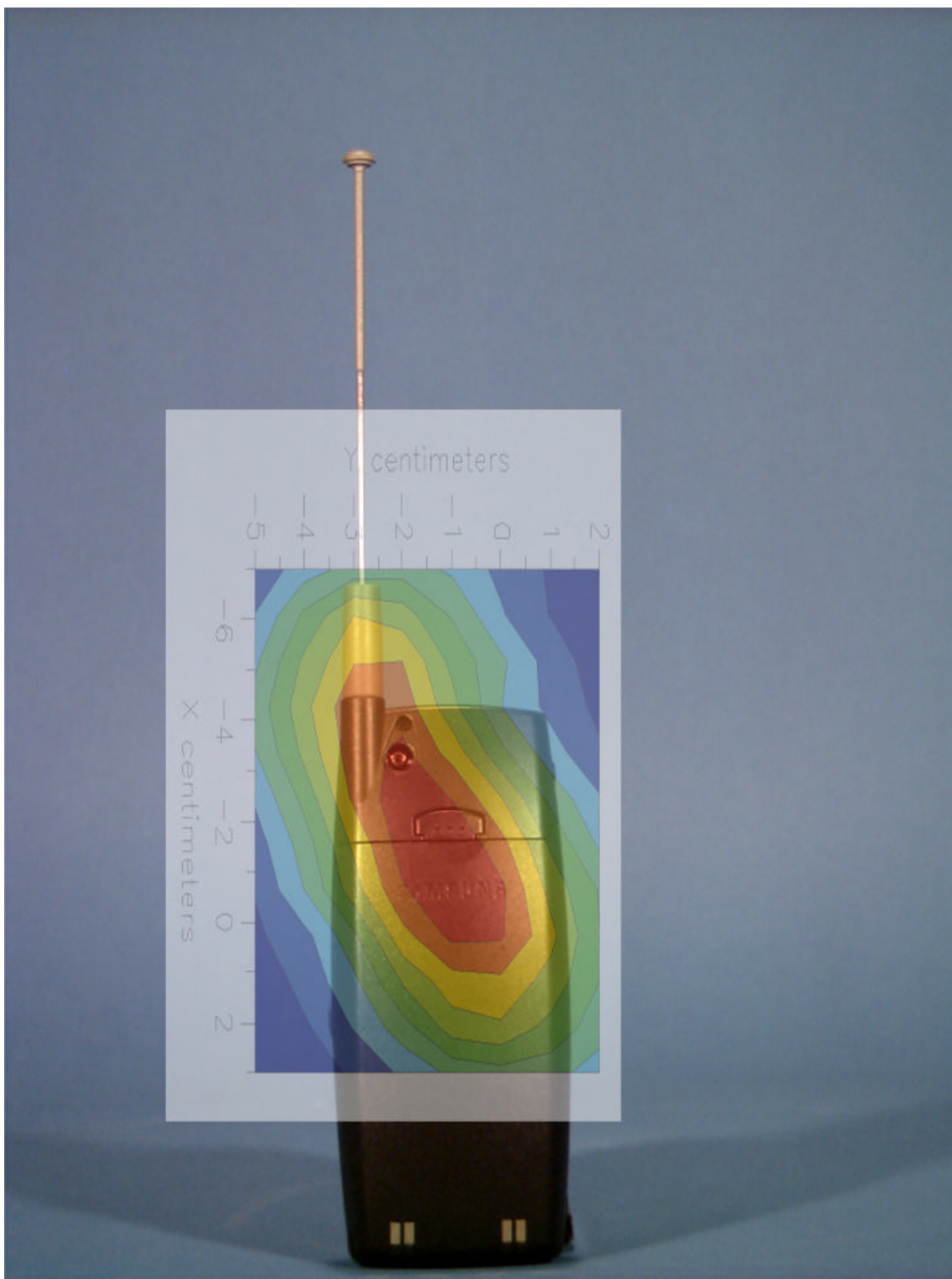
SAMSUNG/SPH-N170/1;824.70MHz;W;Helical/Out;

Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/41.500/0.900



Peak SAR Location

800 MHz Body SAR



File : c:/idx3/SYSTEM/SARMEAS3/data/Normal/01042014_ZOOM.VLT
Start : 20-Apr-101 02:35:58 pm End : 20-Apr-101 02:43:29 pm

Radio Type : SAMSUNG
Model Number : SPH-N170
Serial Number : 1
Frequency : 824.04 MHz
Peak Trans. Pwr : 0.450 W
Start Trans. Pwr : 0.450 W
Antenna Type : Helical
Antenna Posn. : In
Phantom Type : Body
Phantom Posn. : Abdomen
Scan Type : ZOOM/SAR
Probe Name : PCTEST
Field Type : E Field
Orientation : 0 Degrees

Mixture Type = Muscle
Mixture Dielectric Constant = 51.700
Mixture Conductivity = 1.100

Comment :
SAMSUNG TRI-MODE PHONE - AMPS MODE
CHAN 0991 Conducted 26.5 dBm
SAMSUNG TRI-MODE PHONE - BODY SAR

Robot : PCTEST

Probe Offset = 0.25 cm
Sensor Factor = 0.0108
Conversion Factor = 0.894

PCTEST Amplifier Channel Settings : 0.166 0.135 0.132

Max Location : X = -0.250, Y = -1.000, Z = 0.000 (cm) Value = 9.413

Measured Values (volts) =
9.466E-003 7.189E-003 5.938E-003 4.990E-003 4.296E-003 3.933E-003
3.603E-003 3.437E-003 3.200E-003 2.848E-003 2.474E-003 1.934E-003
1.437E-003 9.161E-004 5.891E-004 4.639E-004 4.827E-004 6.758E-004
8.850E-004 1.028E-003 9.729E-004

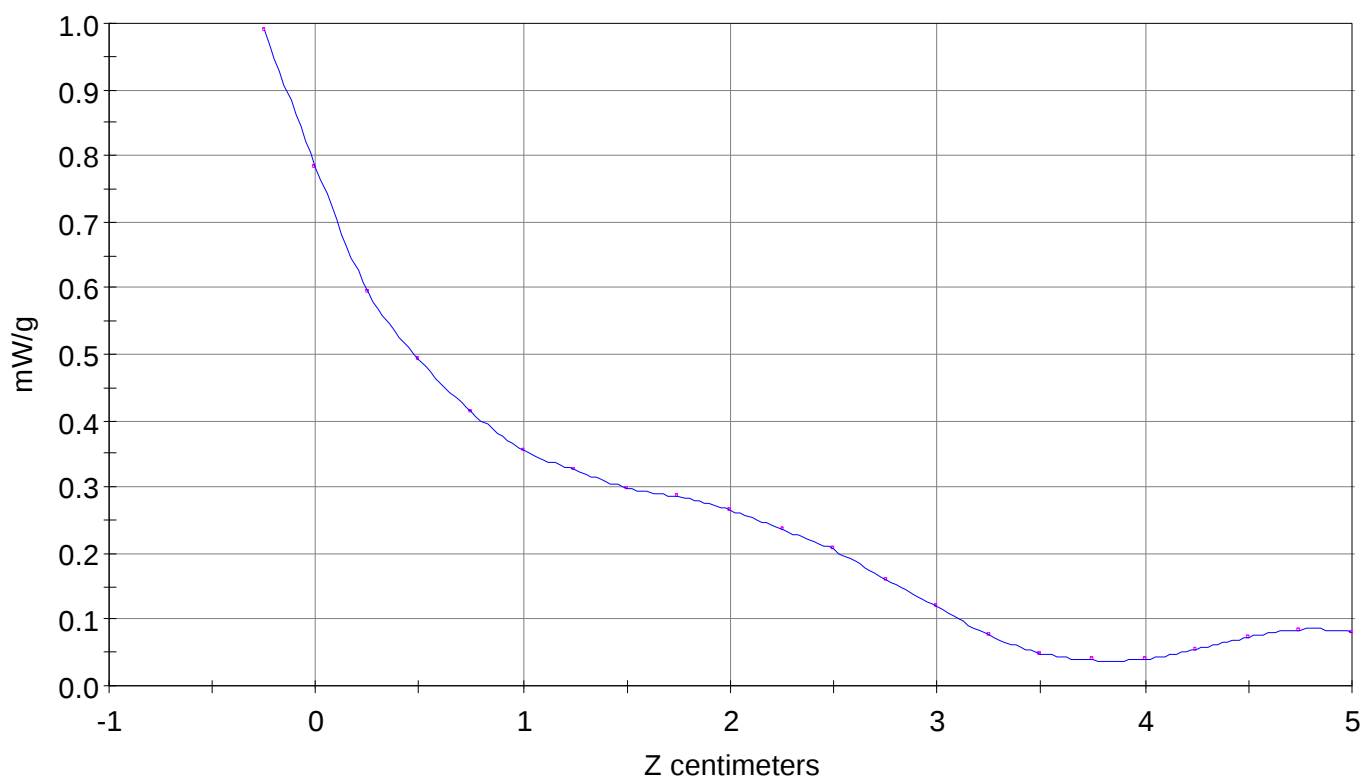
Calc. Voltage @ Surface (Vs) = 0.0120

Voltage @ 1.00 cm (Vt) = 0.0050

Ave. Voltage (Vs+Vt)/2 = 0.0085

Ave. SAR over 1 g (mW/g) = 0.7016

SAR Scan
File : 01042014_ZOOM
Start : 20-Apr-101 02:35:58 pm End : 20-Apr-101 02:43:29 pm
SAMSUNG/SPH-N170/1;824.04MHz;W;Helical/In;
Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 DegreesMuscle/51.700/1.100

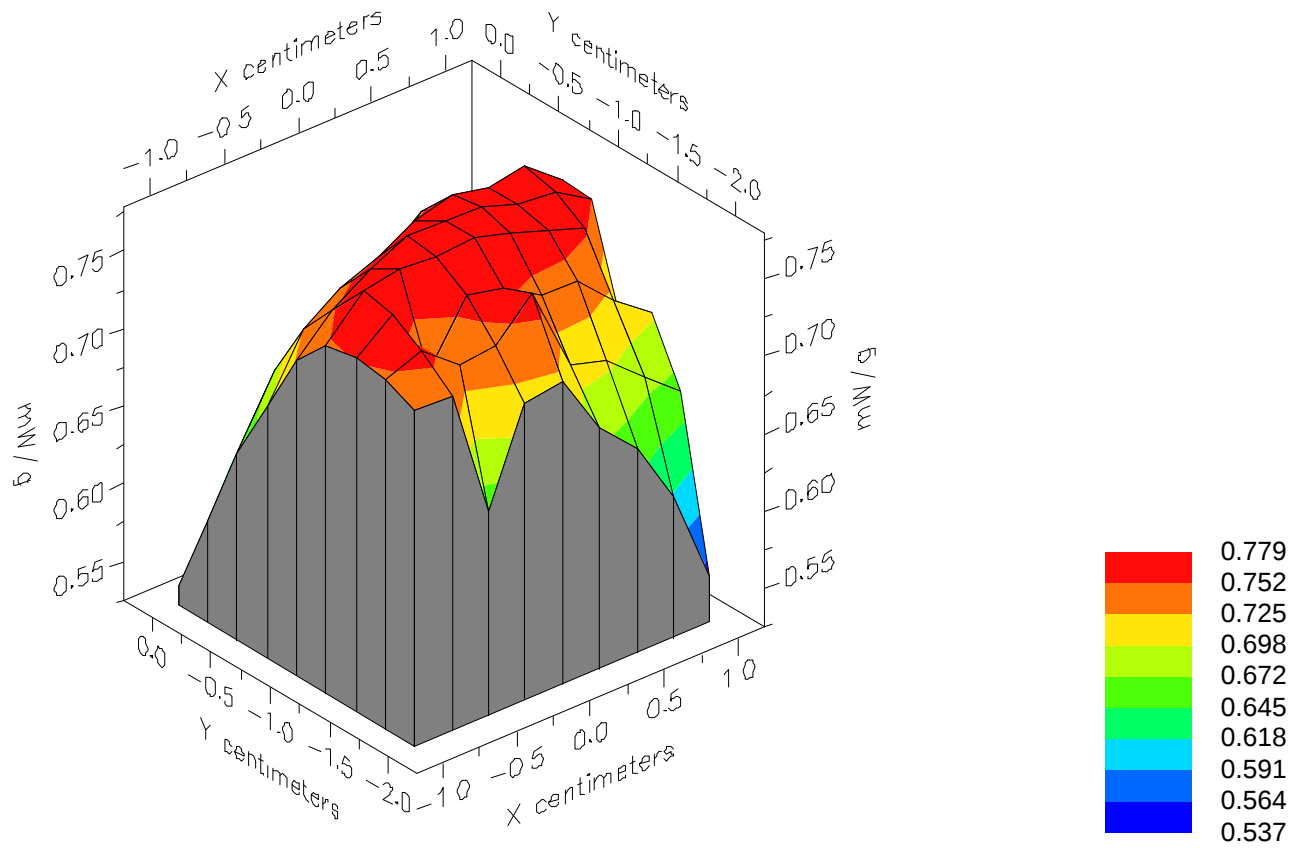


File : 01042014_ZOOM

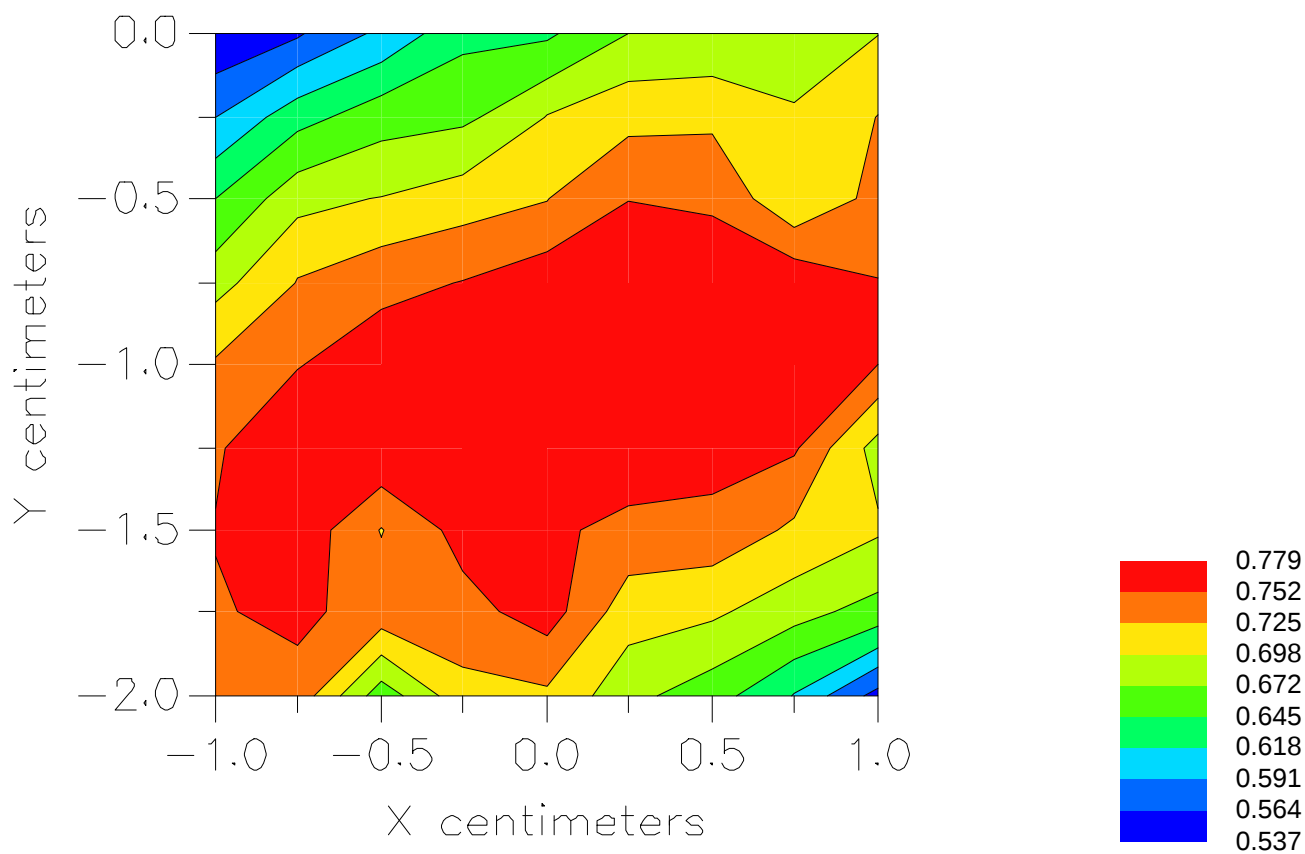
Start : 20-Apr-101 02:35:58 pm End : 20-Apr-101 02:43:29 pm

SAMSUNG/SPH-N170/1;824.04MHz;W;Helical/In;

Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 DegreesMuscle/51.700/1.100



File : 01042014_ZOOM
Start : 20-Apr-101 02:35:58 pm End : 20-Apr-101 02:43:29 pm
SAMSUNG/SPH-N170/1;824.04MHz;W;Helical/In;
Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 DegreesMuscle/51.700/1.100



File : c:/idx3/SYSTEM/SARMEAS3/data/Normal/01042015_ZOOM.VLT
Start : 20-Apr-101 03:18:22 pm End : 20-Apr-101 03:29:24 pm

Radio Type : SAMSUNG
Model Number : SPH-N170
Serial Number : 1
Frequency : 824.04 MHz
Peak Trans. Pwr : 0.450 W
Start Trans. Pwr: 0.450 W
Antenna Type : Helical
Antenna Posn. : Out
Phantom Type : Body
Phantom Posn. : Abdomen
Scan Type : ZOOM/SAR
Probe Name : PCTEST
Field Type : E Field
Orientation : 0 Degrees

Mixture Type = Muscle
Mixture Dielectric Constant = 51.700
Mixture Conductivity = 1.100

Comment :
SAMSUNG TRI-MODE PHONE - AMPS MODE
CHAN 0991 Conducted 26.5 dBm
SAMSUNG TRI-MODE PHONE - BODY SAR

Robot : PCTEST

Probe Offset = 0.25 cm
Sensor Factor = 0.0108
Conversion Factor = 0.894

PCTEST Amplifier Channel Settings : 0.166 0.135 0.132

Max Location : X = -2.000, Y = -2.000, Z = 0.000 (cm) Value = 10.258

Measured Values (volts) =
9.345E-003 7.158E-003 6.096E-003 5.392E-003 4.919E-003 4.584E-003
4.219E-003 3.774E-003 3.104E-003 2.437E-003 1.698E-003 1.113E-003
8.277E-004 6.012E-004 6.945E-004 9.435E-004 1.263E-003 1.410E-003
1.187E-003 7.034E-004 5.262E-004

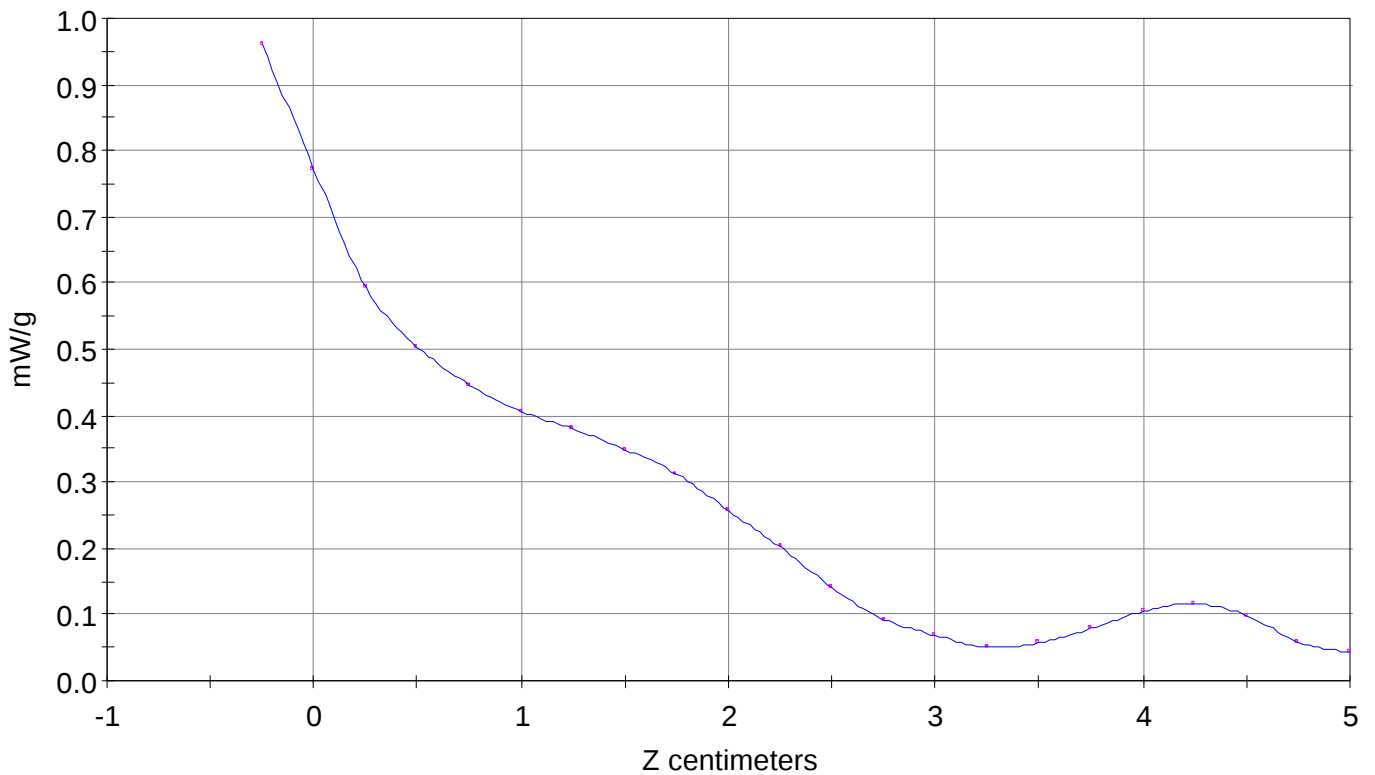
Calc. Voltage @ Surface (Vs) = 0.0116

Voltage @ 1.00 cm (Vt) = 0.0054

Ave. Voltage (Vs+Vt)/2 = 0.0085

Ave. SAR over 1 g (mW/g) = 0.7027

SAR Scan
File : 01042015_ZOOM
Start : 20-Apr-101 03:18:22 pm End : 20-Apr-101 03:29:24 pm
SAMSUNG/SPH-N170/1;824.04MHz;W;Helical/Out;
Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 DegreesMuscle/51.700/1.100

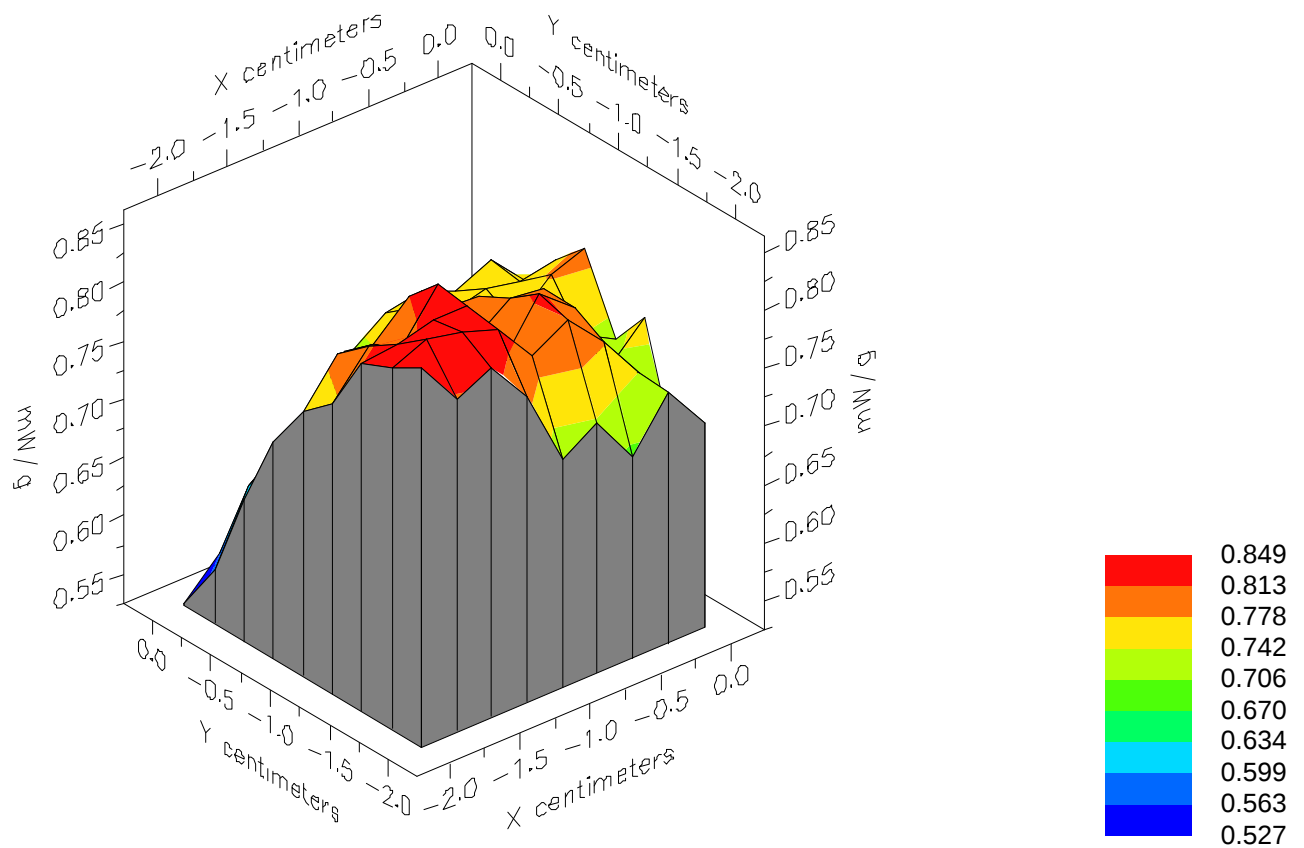


File : 01042015_ZOOM

Start : 20-Apr-101 03:18:22 pm End : 20-Apr-101 03:29:24 pm

SAMSUNG/SPH-N170/1;824.04MHz;W;Helical/Out;

Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 DegreesMuscle/51.700/1.100

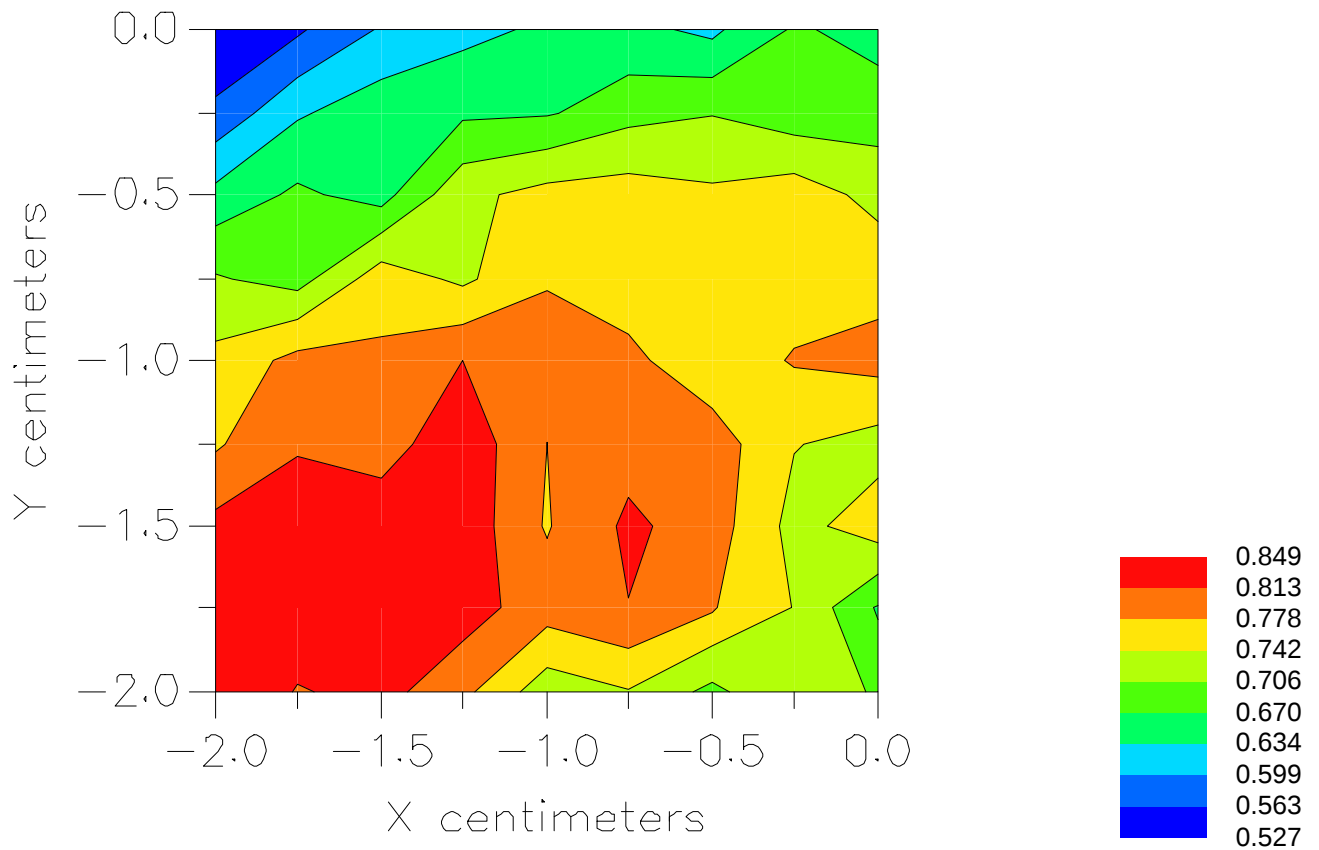


File : 01042015_ZOOM

Start : 20-Apr-101 03:18:22 pm End : 20-Apr-101 03:29:24 pm

SAMSUNG/SPH-N170/1;824.04MHz;W;Helical/Out;

Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 DegreesMuscle/51.700/1.100



File : c:/idx3/SYSTEM/SARMEAS3/data/Normal/01042013_ZOOM.VLT
Start : 20-Apr-101 02:09:58 pm End : 20-Apr-101 02:17:31 pm

Radio Type : SAMSUNG
Model Number : SPH-N170
Serial Number : 1
Frequency : 836.49 MHz
Peak Trans. Pwr : 0.450 W
Start Trans. Pwr: 0.450 W
Antenna Type : Helical
Antenna Posn. : In
Phantom Type : Body
Phantom Posn. : Abdomen
Scan Type : ZOOM/SAR
Probe Name : PCTEST
Field Type : E Field
Orientation : 0 Degrees

Mixture Type = Muscle
Mixture Dielectric Constant = 51.700
Mixture Conductivity = 1.100

Comment :
SAMSUNG TRI-MODE PHONE - AMPS MODE
CHAN 0383 Conducted 26.5 dBm
SAMSUNG TRI-MODE PHONE - BODY SAR

Robot : PCTEST

Probe Offset = 0.25 cm
Sensor Factor = 0.0108
Conversion Factor = 0.894

PCTEST Amplifier Channel Settings : 0.166 0.135 0.132

Max Location : X = -0.500, Y = -1.250, Z = 0.000 (cm) Value = 7.055

Measured Values (volts) =
7.054E-003 5.319E-003 4.312E-003 3.577E-003 3.109E-003 2.740E-003
2.556E-003 2.395E-003 2.208E-003 1.986E-003 1.657E-003 1.236E-003
8.754E-004 5.747E-004 3.865E-004 2.850E-004 3.258E-004 4.653E-004
6.000E-004 6.633E-004 5.460E-004

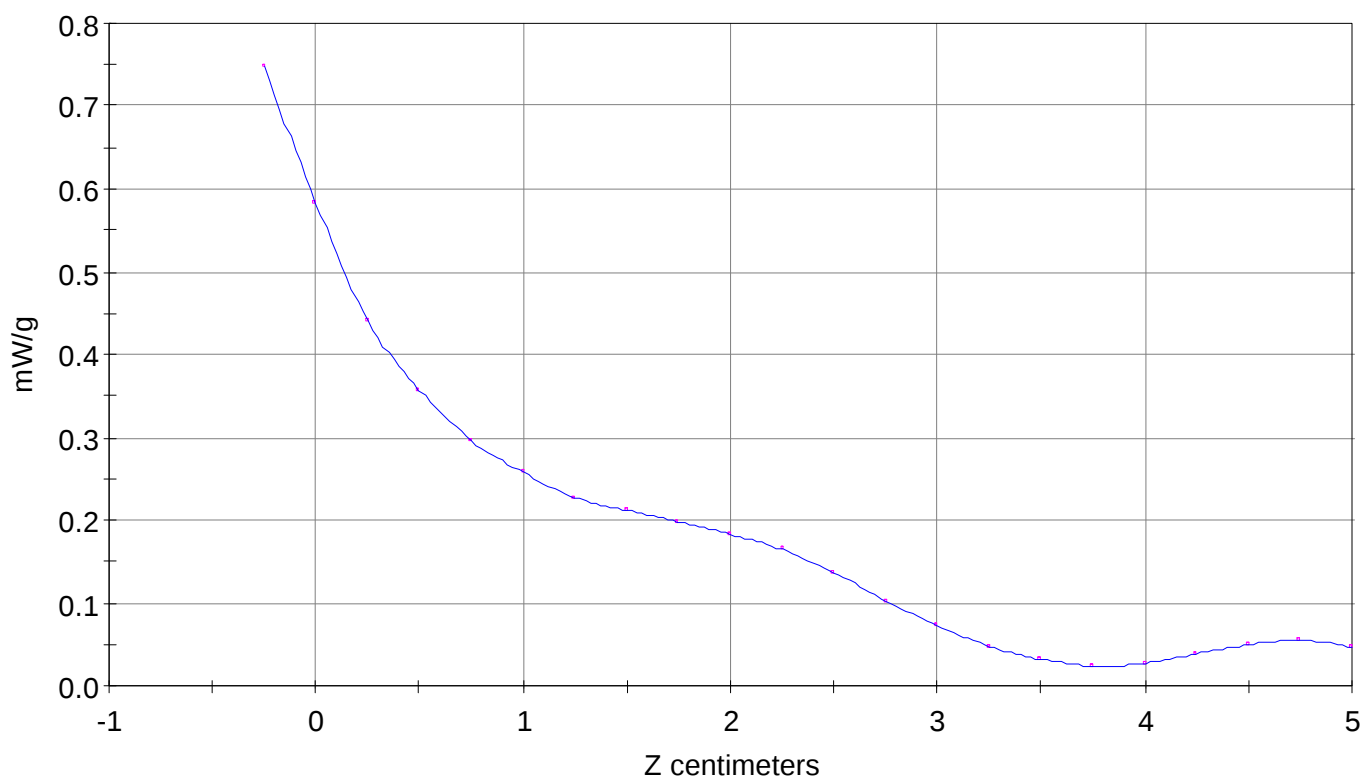
Calc. Voltage @ Surface (Vs) = 0.0090

Voltage @ 1.00 cm (Vt) = 0.0036

Ave. Voltage (Vs+Vt)/2 = 0.0063

Ave. SAR over 1 g (mW/g) = 0.5218

SAR Scan
File : 01042013_ZOOM
Start : 20-Apr-101 02:09:58 pm End : 20-Apr-101 02:17:31 pm
SAMSUNG/SPH-N170/1;836.49MHz;W;Helical/In;
Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 DegreesMuscle/51.700/1.100

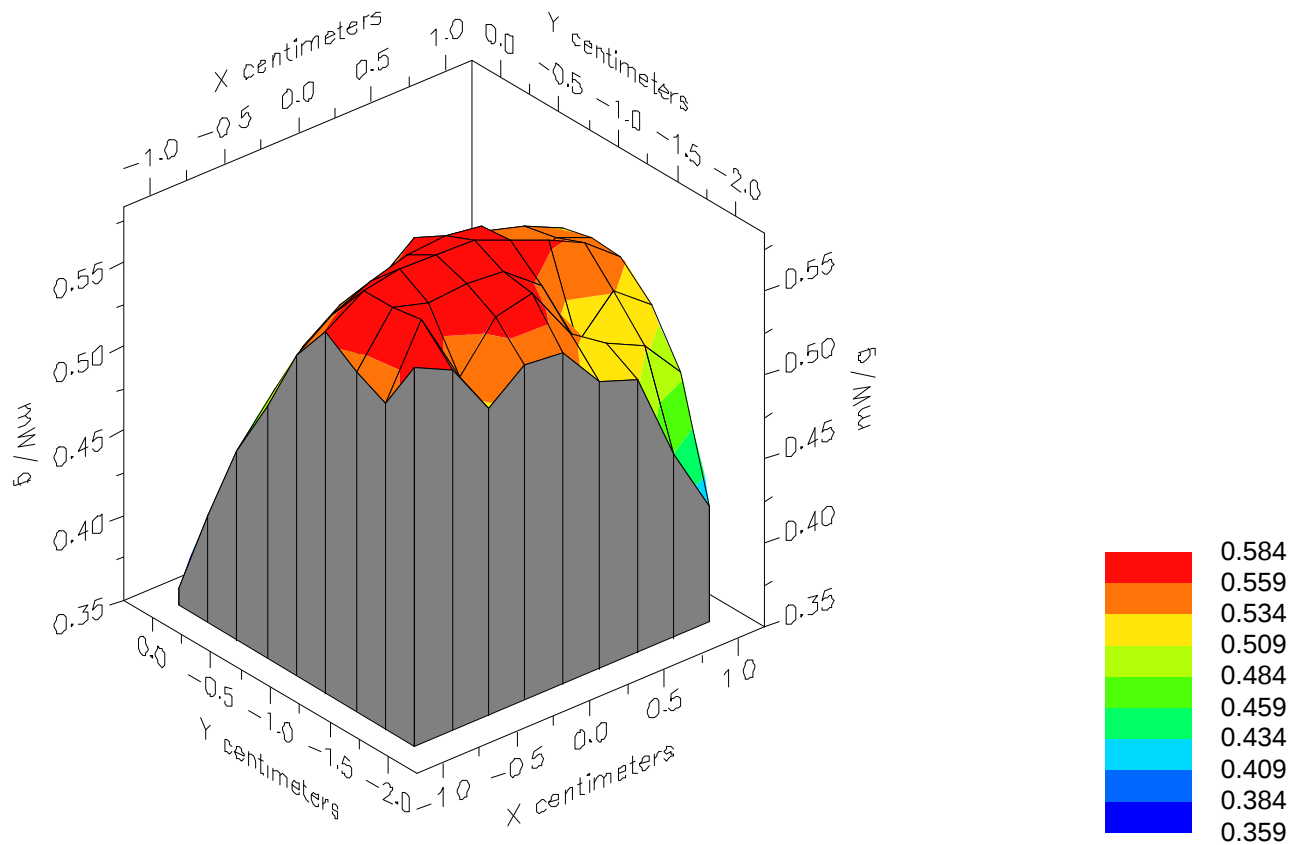


File : 01042013_ZOOM

Start : 20-Apr-101 02:09:58 pm End : 20-Apr-101 02:17:31 pm

SAMSUNG/SPH-N170/1;836.49MHz;W;Helical/In;

Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 DegreesMuscle/51.700/1.100

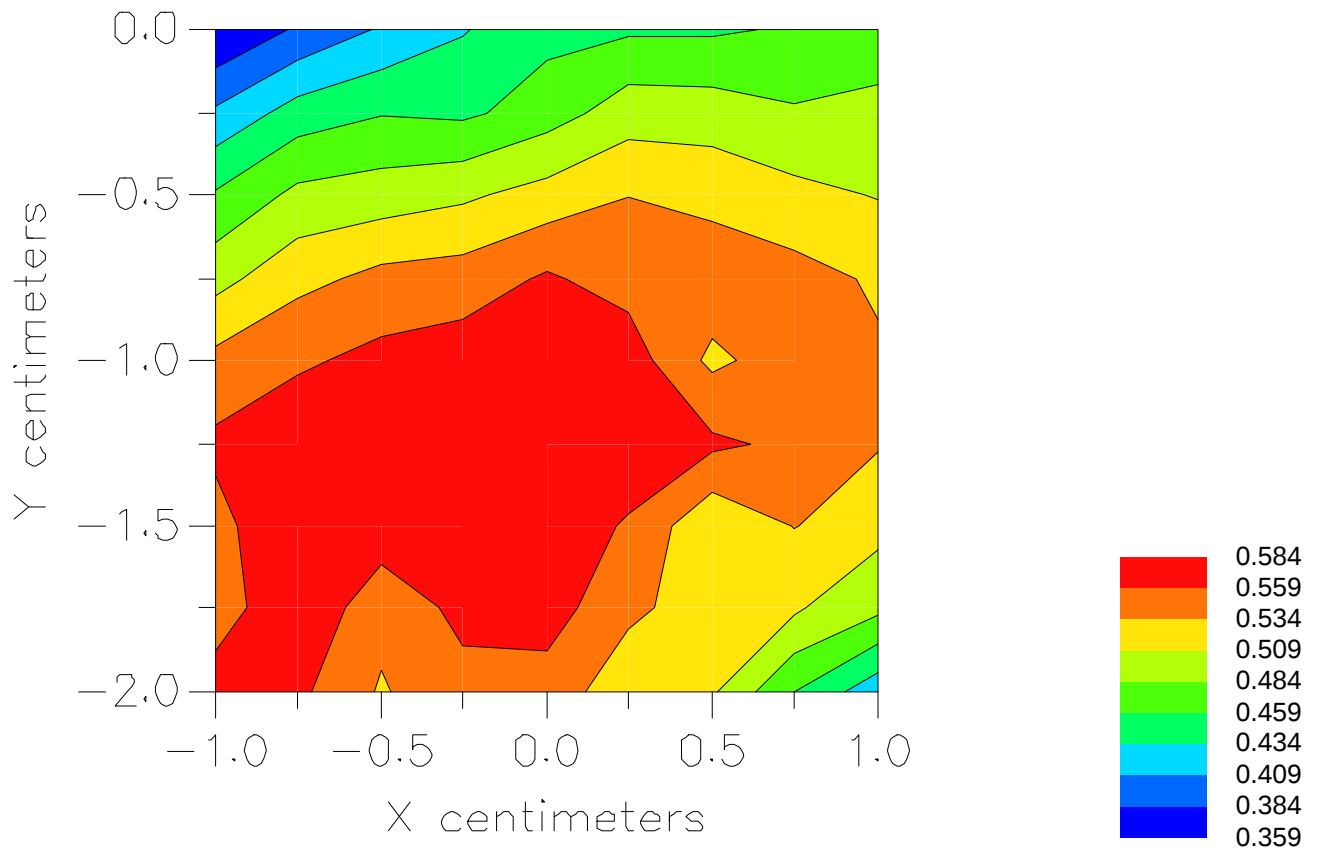


File : 01042013_ZOOM

Start : 20-Apr-101 02:09:58 pm End : 20-Apr-101 02:17:31 pm

SAMSUNG/SPH-N170/1;836.49MHz;W;Helical/In;

Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 DegreesMuscle/51.700/1.100



File : c:/idx3/SYSTEM/SARMEAS3/data/Normal/01042012_ZOOM.VLT
Start : 20-Apr-101 01:49:17 pm End : 20-Apr-101 02:00:50 pm

Radio Type : SAMSUNG
Model Number : SPH-N170
Serial Number : 1
Frequency : 836.49 MHz
Peak Trans. Pwr : 0.450 W
Start Trans. Pwr: 0.450 W
Antenna Type : Helical
Antenna Posn. : Out
Phantom Type : Body
Phantom Posn. : Abdomen
Scan Type : ZOOM/SAR
Probe Name : PCTEST
Field Type : E Field
Orientation : 0 Degrees

Mixture Type = Muscle
Mixture Dielectric Constant = 51.700
Mixture Conductivity = 1.100

Comment :
SAMSUNG TRI-MODE PHONE - AMPS MODE
CHAN 0383 Conducted 26.5 dBm
SAMSUNG TRI-MODE PHONE - BODY SAR

Robot : PCTEST

Probe Offset = 0.25 cm
Sensor Factor = 0.0108
Conversion Factor = 0.894

PCTEST Amplifier Channel Settings : 0.166 0.135 0.132

Max Location : X = -0.500, Y = -1.250, Z = 0.000 (cm) Value = 7.220

Measured Values (volts) =
7.117E-003 5.407E-003 4.338E-003 3.573E-003 3.079E-003 2.765E-003
2.588E-003 2.470E-003 2.329E-003 2.133E-003 1.774E-003 1.367E-003
1.009E-003 6.255E-004 3.750E-004 2.985E-004 3.224E-004 4.891E-004
6.714E-004 7.348E-004 6.261E-004

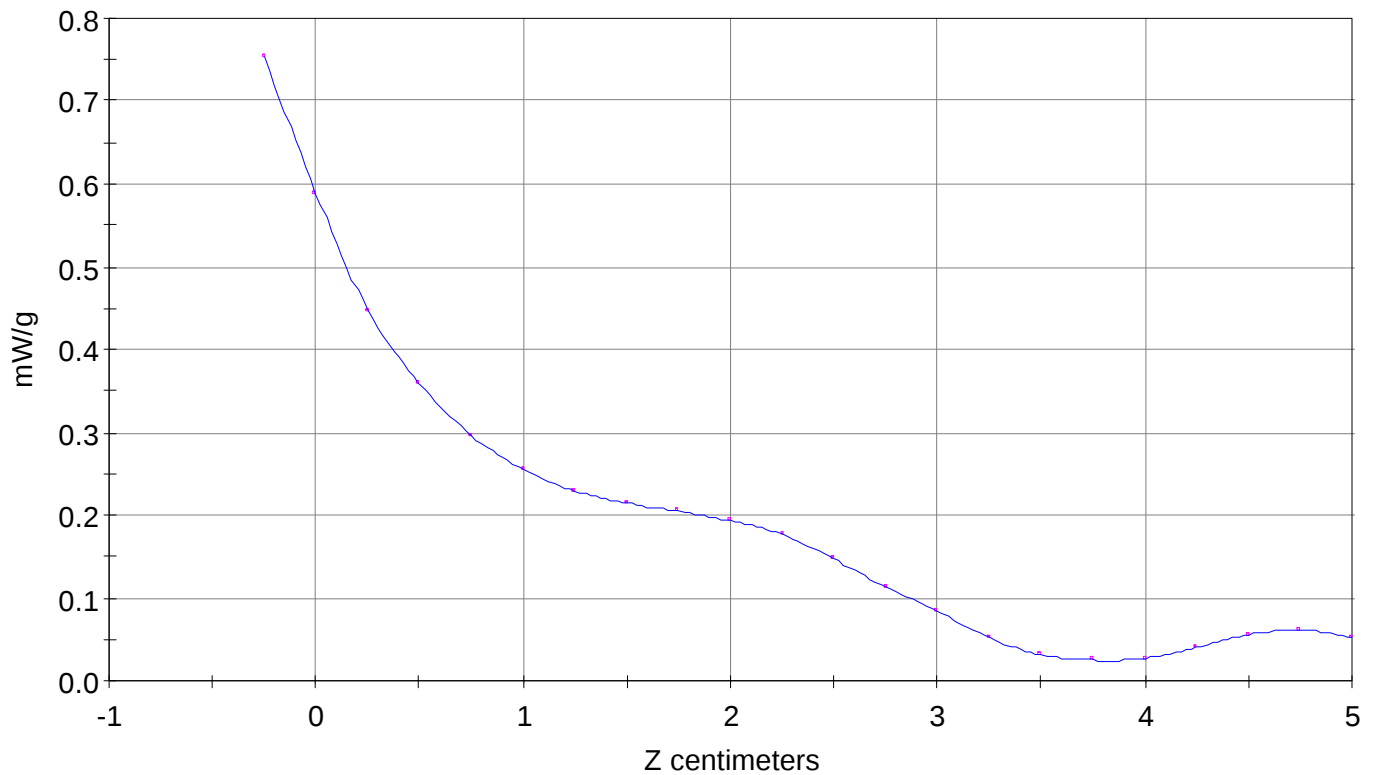
Calc. Voltage @ Surface (Vs) = 0.0091

Voltage @ 1.00 cm (Vt) = 0.0036

Ave. Voltage (Vs+Vt)/2 = 0.0063

Ave. SAR over 1 g (mW/g) = 0.5253

SAR Scan
File : 01042012_ZOOM
Start : 20-Apr-10 01:49:17 pm End : 20-Apr-10 02:00:50 pm
SAMSUNG/SPH-N170/1;836.49MHz;W;Helical/Out;
Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 Degrees Muscle/51.700/1.100

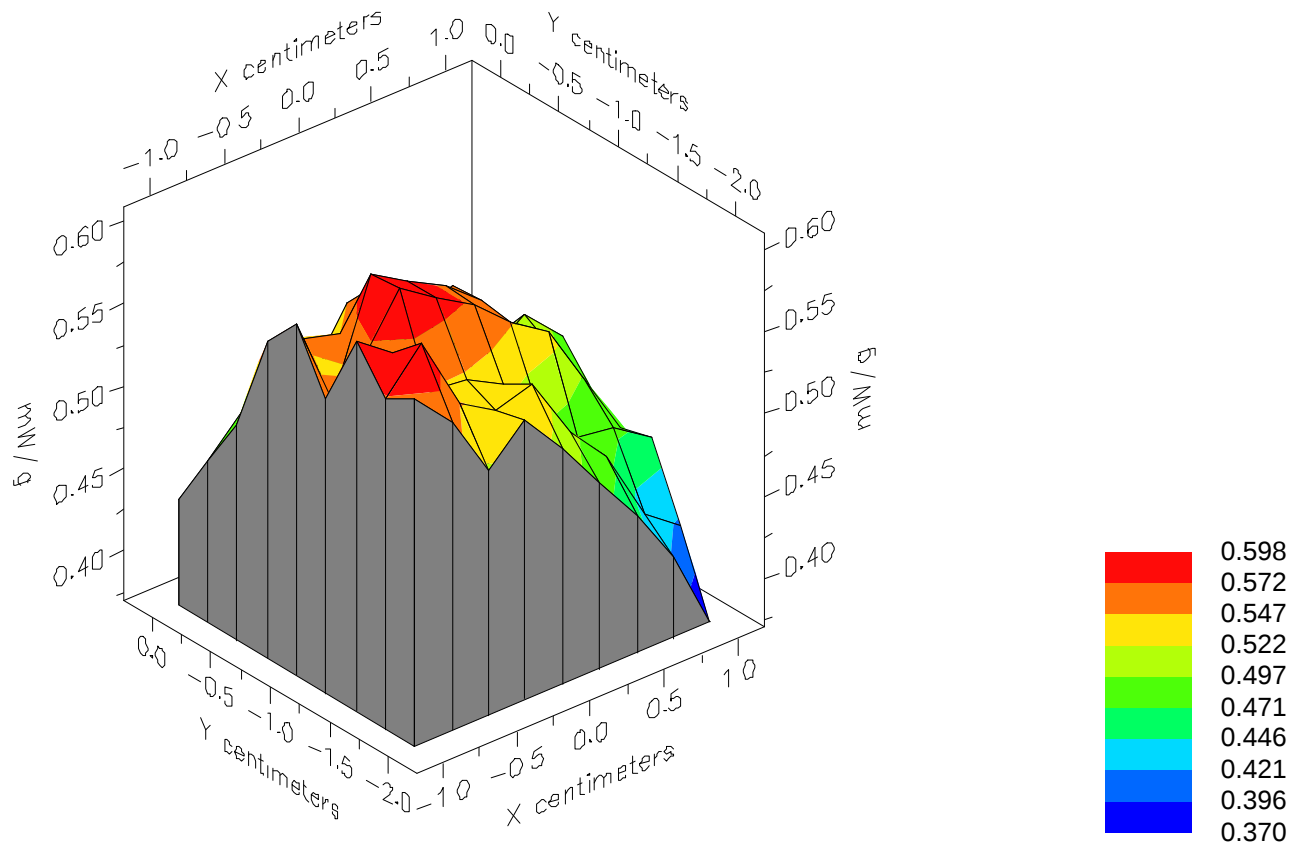


File : 01042012_ZOOM

Start : 20-Apr-101 01:49:17 pm End : 20-Apr-101 02:00:50 pm

SAMSUNG/SPH-N170/1;836.49MHz;W;Helical/Out;

Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 DegreesMuscle/51.700/1.100

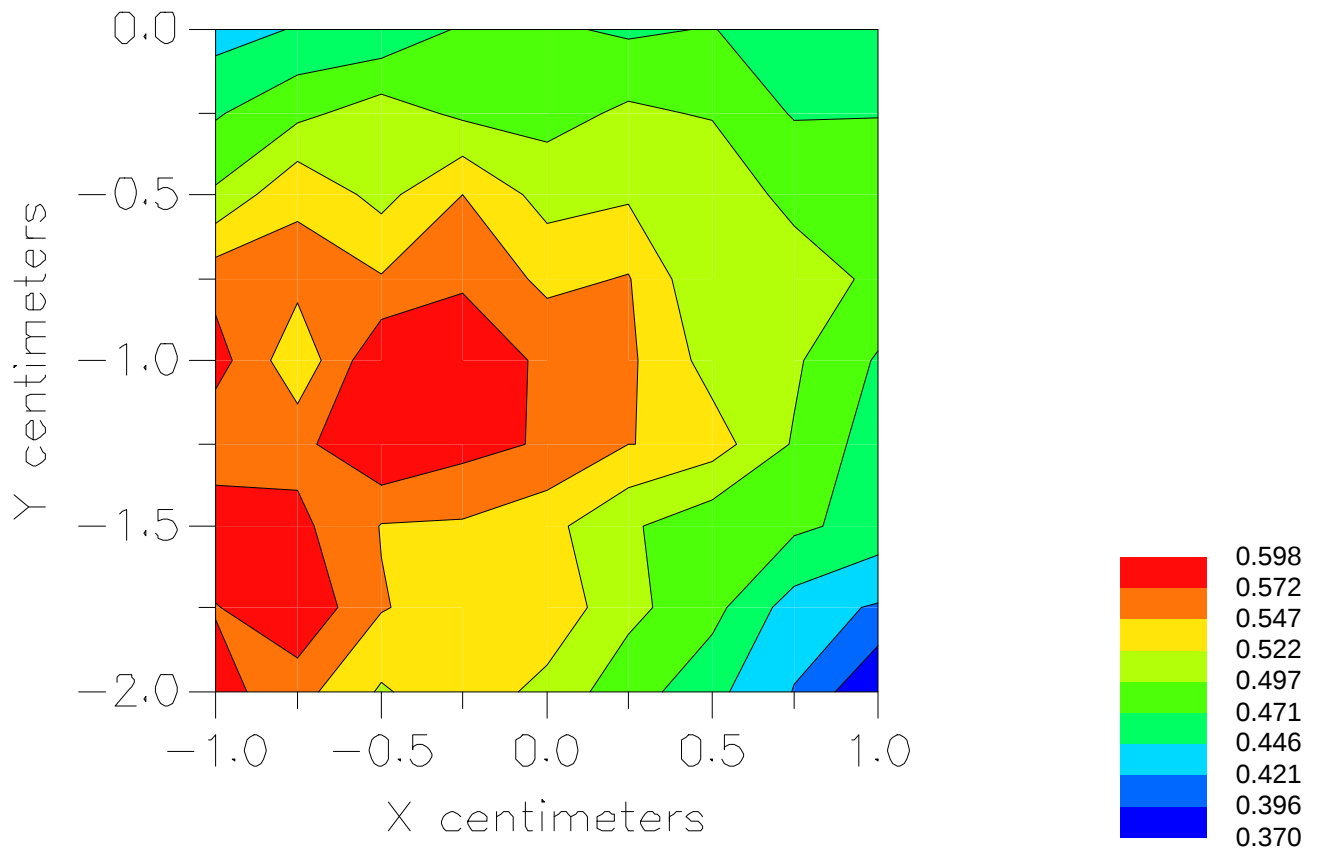


File : 01042012_ZOOM

Start : 20-Apr-101 01:49:17 pm End : 20-Apr-101 02:00:50 pm

SAMSUNG/SPH-N170/1;836.49MHz;W;Helical/Out;

Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 DegreesMuscle/51.700/1.100



File : c:/idx3/SYSTEM/SARMEAS3/data/Normal/01042011_ZOOM.VLT
Start : 20-Apr-101 01:17:30 pm End : 20-Apr-101 01:28:47 pm

Radio Type : SAMSUNG
Model Number : SPH-N170
Serial Number : 1
Frequency : 848.97 MHz
Peak Trans. Pwr : 0.450 W
Start Trans. Pwr: 0.450 W
Antenna Type : Helical
Antenna Posn. : In
Phantom Type : Body
Phantom Posn. : Abdomen
Scan Type : ZOOM/SAR
Probe Name : PCTEST
Field Type : E Field
Orientation : 0 Degrees

Mixture Type = Muscle
Mixture Dielectric Constant = 51.700
Mixture Conductivity = 1.100

Comment :
SAMSUNG TRI-MODE PHONE - AMPS MODE
CHAN 0799 Conducted 26.5 dBm
SAMSUNG TRI-MODE PHONE - BODY SAR

Robot : PCTEST

Probe Offset = 0.25 cm
Sensor Factor = 0.0108
Conversion Factor = 0.894

PCTEST Amplifier Channel Settings : 0.166 0.135 0.132

Max Location : X = 0.000, Y = -1.250, Z = 0.000 (cm) Value = 8.909

Measured Values (volts) =
8.727E-003 6.840E-003 5.543E-003 4.577E-003 3.985E-003 3.554E-003
3.305E-003 3.095E-003 2.924E-003 2.640E-003 2.300E-003 1.824E-003
1.325E-003 8.725E-004 5.534E-004 3.937E-004 4.321E-004 5.667E-004
8.003E-004 9.321E-004 8.439E-004

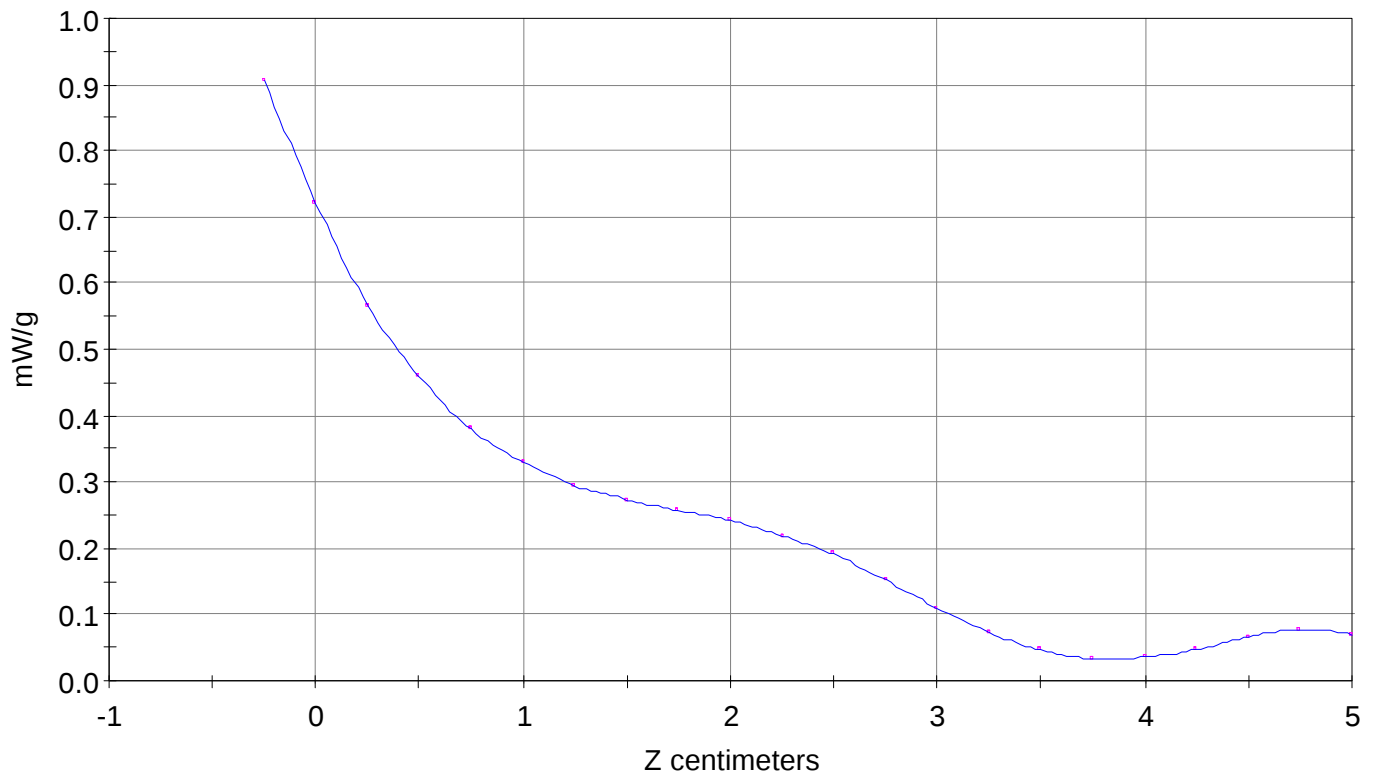
Calc. Voltage @ Surface (Vs) = 0.0110

Voltage @ 1.00 cm (Vt) = 0.0046

Ave. Voltage (Vs+Vt)/2 = 0.0078

Ave. SAR over 1 g (mW/g) = 0.6427

SAR Scan
File : 01042011_ZOOM
Start : 20-Apr-10 01:17:30 pm End : 20-Apr-10 01:28:47 pm
SAMSUNG/SPH-N170/1;848.97MHz;W;Helical/In;
Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 Degrees Muscle/51.700/1.100

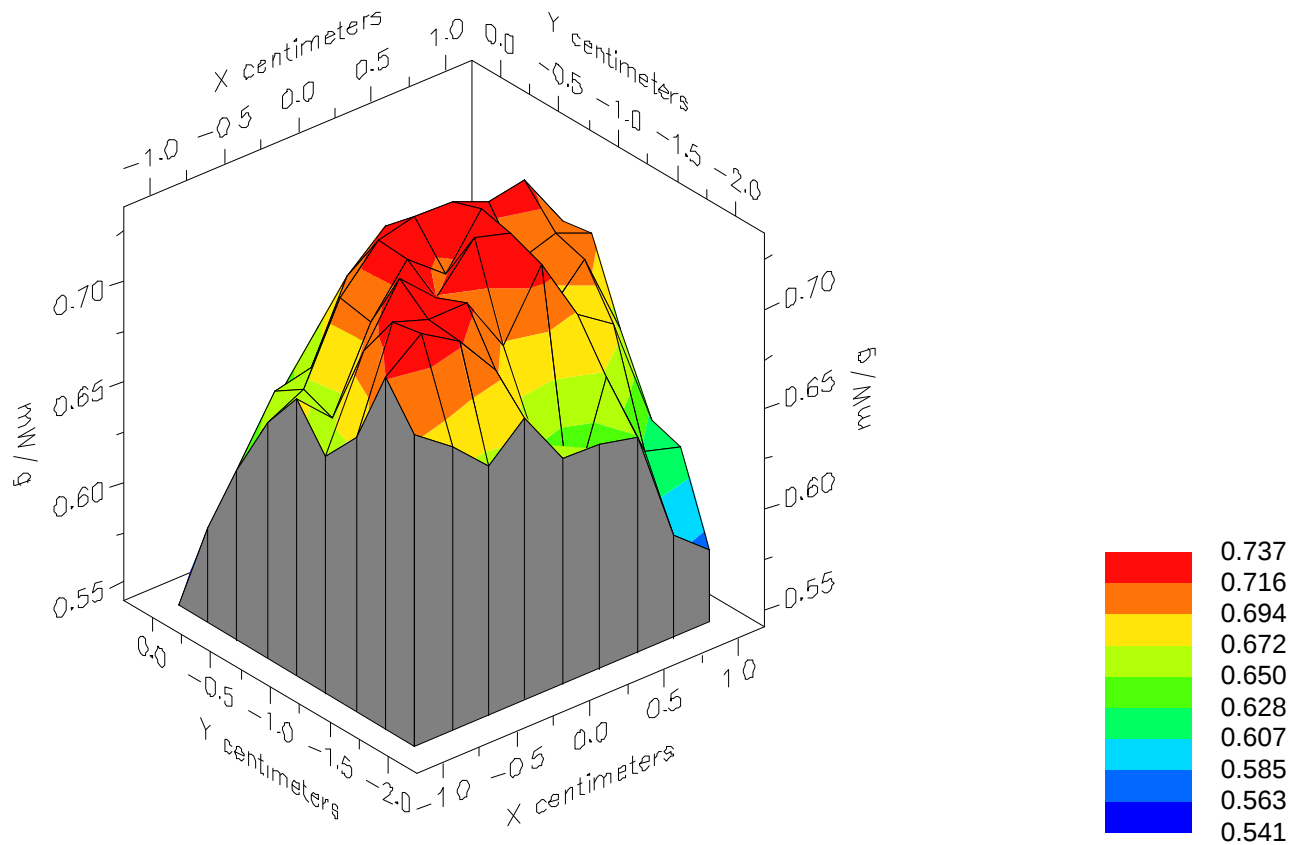


File : 01042011_ZOOM

Start : 20-Apr-101 01:17:30 pm End : 20-Apr-101 01:28:47 pm

SAMSUNG/SPH-N170/1;848.97MHz;W;Helical/In;

Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 DegreesMuscle/51.700/1.100

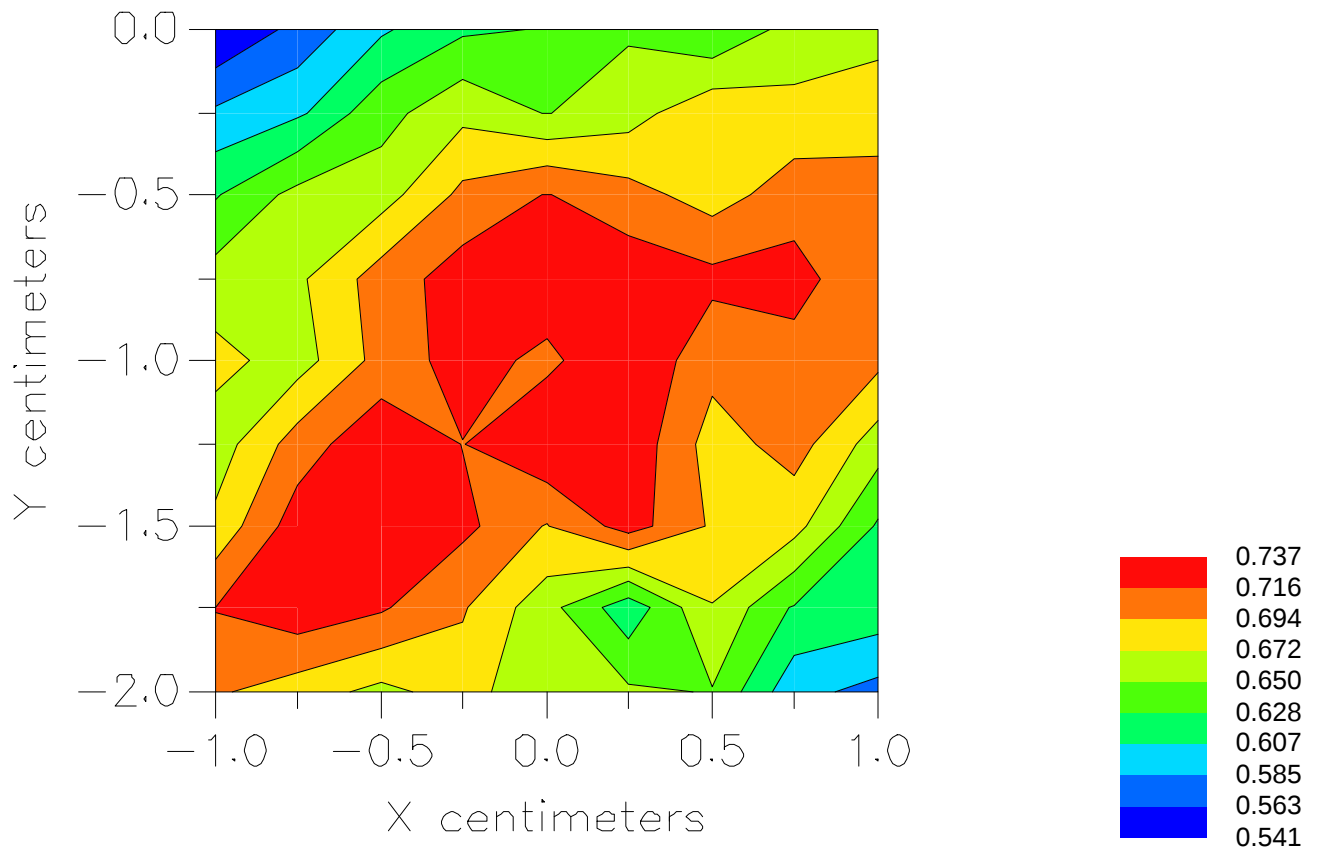


File : 01042011_ZOOM

Start : 20-Apr-101 01:17:30 pm End : 20-Apr-101 01:28:47 pm

SAMSUNG/SPH-N170/1;848.97MHz;W;Helical/In;

Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 DegreesMuscle/51.700/1.100



File : c:/idx3/SYSTEM/SARMEAS3/data/Normal/01042010_ZOOM.VLT
Start : 20-Apr-101 12:56:40 pm End : 20-Apr-101 01:07:16 pm

Radio Type : SAMSUNG
Model Number : SPH-N170
Serial Number : 1
Frequency : 848.97 MHz
Peak Trans. Pwr : 0.450 W
Start Trans. Pwr: 0.450 W
Antenna Type : Helical
Antenna Posn. : Out
Phantom Type : Body
Phantom Posn. : Abdomen
Scan Type : ZOOM/SAR
Probe Name : PCTEST
Field Type : E Field
Orientation : 0 Degrees

Mixture Type = Muscle
Mixture Dielectric Constant = 51.700
Mixture Conductivity = 1.100

Comment :
SAMSUNG TRI-MODE PHONE - AMPS MODE
CHAN 0799 Conducted 26.5 dBm
SAMSUNG TRI-MODE PHONE - BODY SAR

Robot : PCTEST

Probe Offset = 0.25 cm
Sensor Factor = 0.0108
Conversion Factor = 0.894

PCTEST Amplifier Channel Settings : 0.166 0.135 0.132

Max Location : X = -1.250, Y = -1.250, Z = 0.000 (cm) Value = 8.822

Measured Values (volts) =
8.649E-003 6.913E-003 5.470E-003 4.650E-003 4.137E-003 3.803E-003
3.632E-003 3.449E-003 3.174E-003 2.761E-003 2.236E-003 1.633E-003
1.053E-003 6.516E-004 4.738E-004 4.646E-004 6.513E-004 9.255E-004
1.124E-003 1.114E-003 7.812E-004

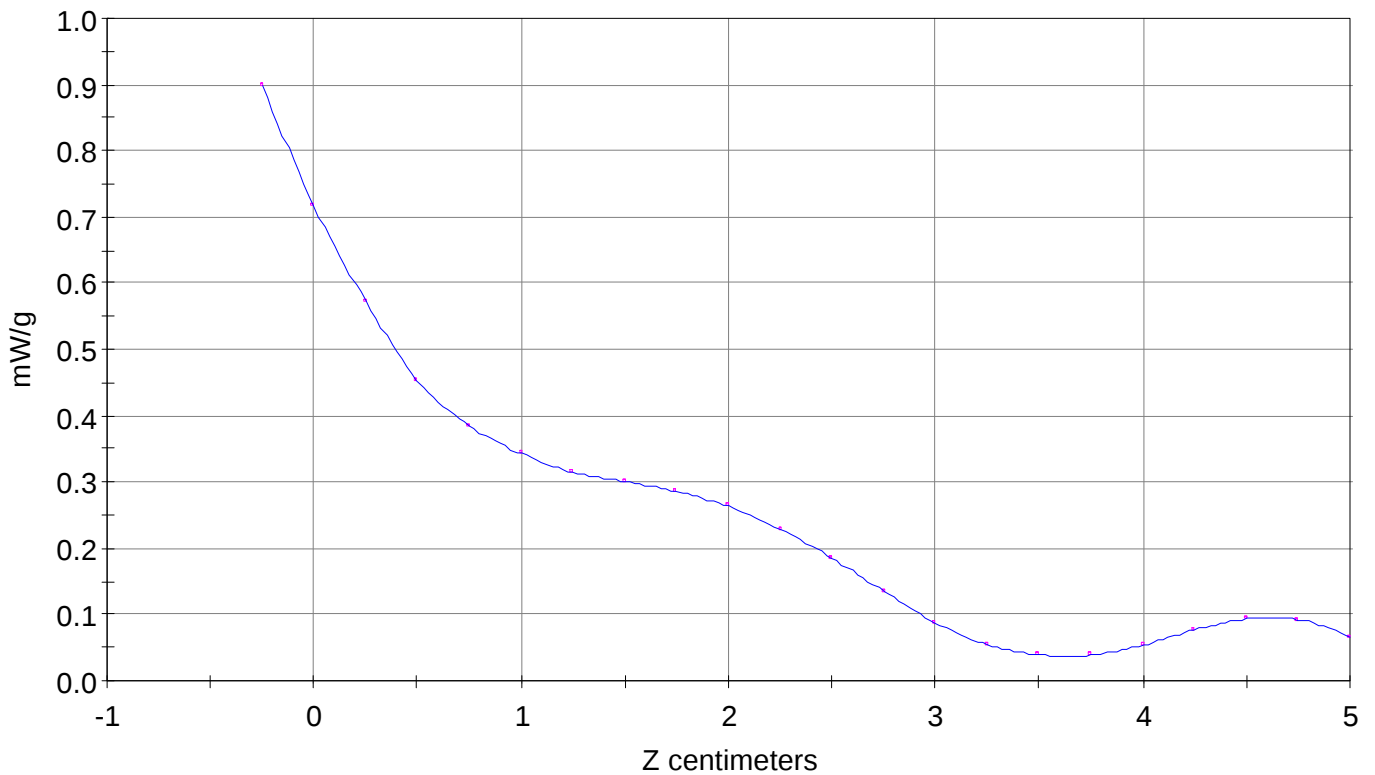
Calc. Voltage @ Surface (Vs) = 0.0109

Voltage @ 1.00 cm (Vt) = 0.0047

Ave. Voltage (Vs+Vt)/2 = 0.0078

Ave. SAR over 1 g (mW/g) = 0.6426

SAR Scan
File : 01042010_ZOOM
Start : 20-Apr-10 12:56:40 pm End : 20-Apr-10 01:07:16 pm
SAMSUNG/SPH-N170/1;848.97MHz;W;Helical/Out;
Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 Degrees Muscle/51.700/1.100

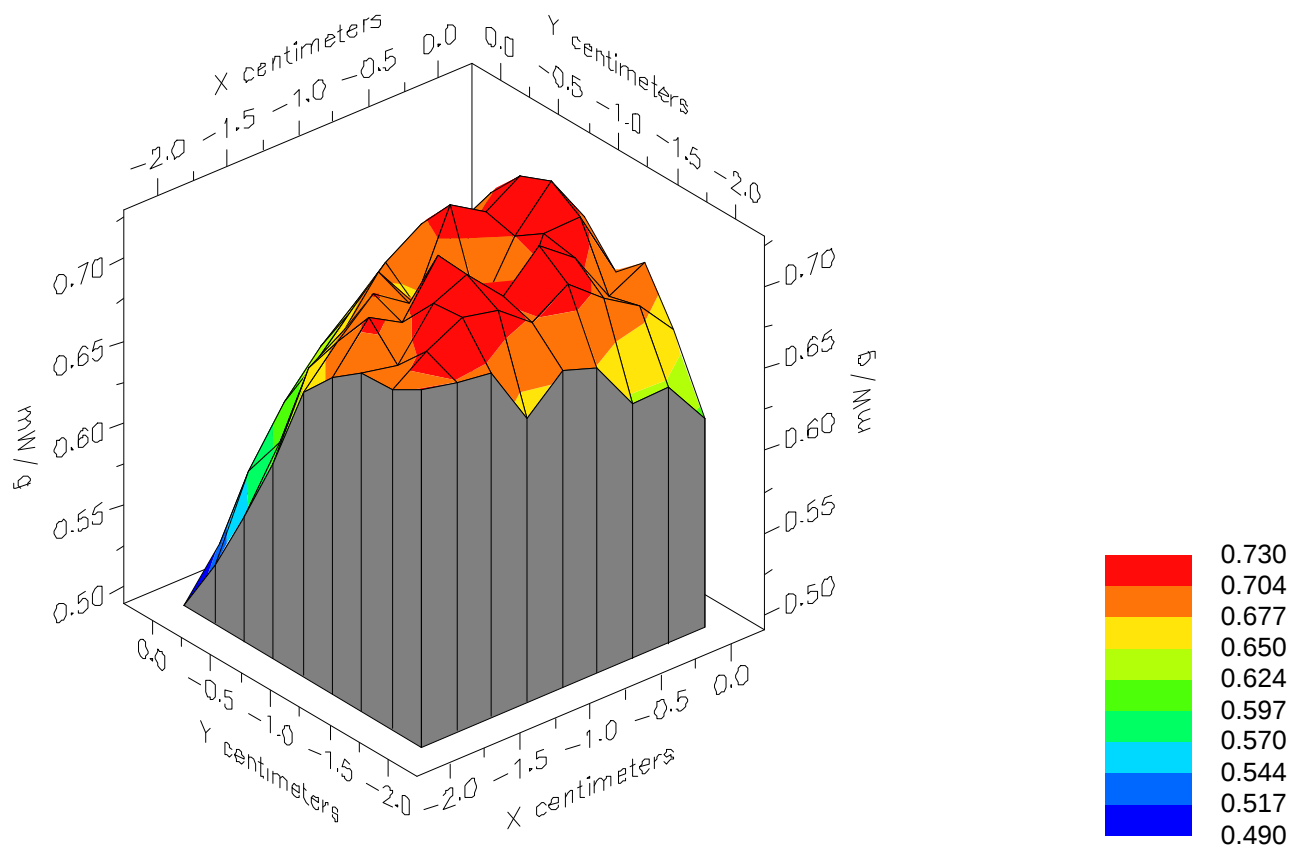


File : 01042010_ZOOM

Start : 20-Apr-10 12:56:40 pm End : 20-Apr-10 01:07:16 pm

SAMSUNG/SPH-N170/1;848.97MHz;W;Helical/Out;

Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 DegreesMuscle/51.700/1.100

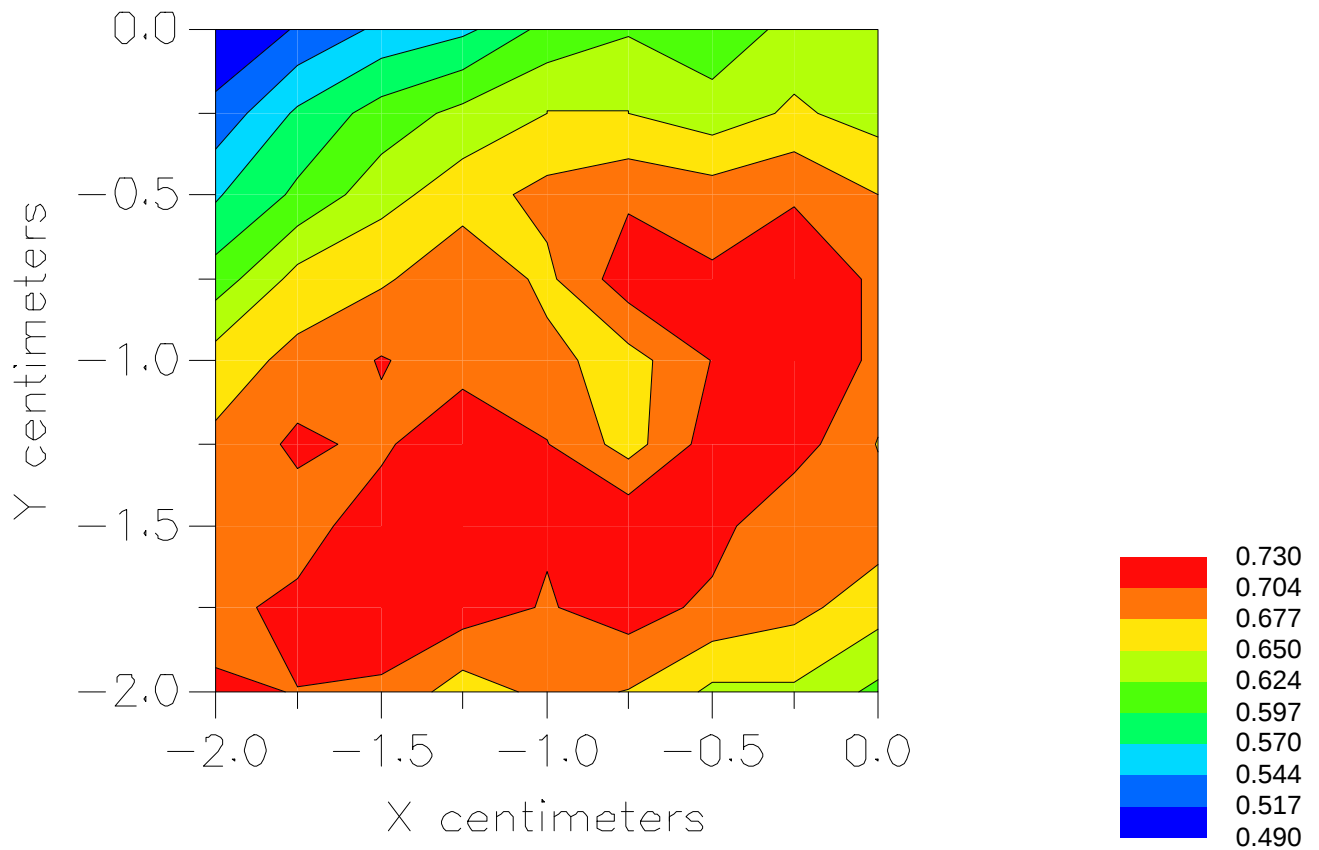


File : 01042010_ZOOM

Start : 20-Apr-101 12:56:40 pm End : 20-Apr-101 01:07:16 pm

SAMSUNG/SPH-N170/1;848.97MHz;W;Helical/Out;

Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 DegreesMuscle/51.700/1.100



File : c:/idx3/SYSTEM/SARMEAS3/data/Normal/01042018_ZOOM.VLT
Start : 20-Apr-101 04:27:02 pm End : 20-Apr-101 04:38:41 pm

Radio Type : SAMSUNG
Model Number : SPH-N170
Serial Number : 1
Frequency : 824.70 MHz
Peak Trans. Pwr : 0.320 W
Start Trans. Pwr: 0.320 W
Antenna Type : Helical
Antenna Posn. : In
Phantom Type : Body
Phantom Posn. : Abdomen
Scan Type : ZOOM/SAR
Probe Name : PCTEST
Field Type : E Field
Orientation : 0 Degrees

Mixture Type = Muscle
Mixture Dielectric Constant = 51.700
Mixture Conductivity = 1.100

Comment :
SAMSUNG TRI-MODE PHONE - CDMA MODE
CHAN 1013 Conducted 25.0 dBm
SAMSUNG TRI-MODE PHONE - BODY SAR

Robot : PCTEST

Probe Offset = 0.25 cm
Sensor Factor = 0.0108
Conversion Factor = 0.894

PCTEST Amplifier Channel Settings : 0.166 0.135 0.132

Max Location : X = -0.750, Y = -1.500, Z = 0.000 (cm) Value = 6.230

Measured Values (volts) =
5.481E-003 4.319E-003 3.552E-003 3.060E-003 2.702E-003 2.462E-003
2.278E-003 2.086E-003 1.861E-003 1.592E-003 1.223E-003 8.560E-004
5.767E-004 3.695E-004 2.501E-004 2.756E-004 3.712E-004 4.968E-004
5.738E-004 5.240E-004 3.162E-004

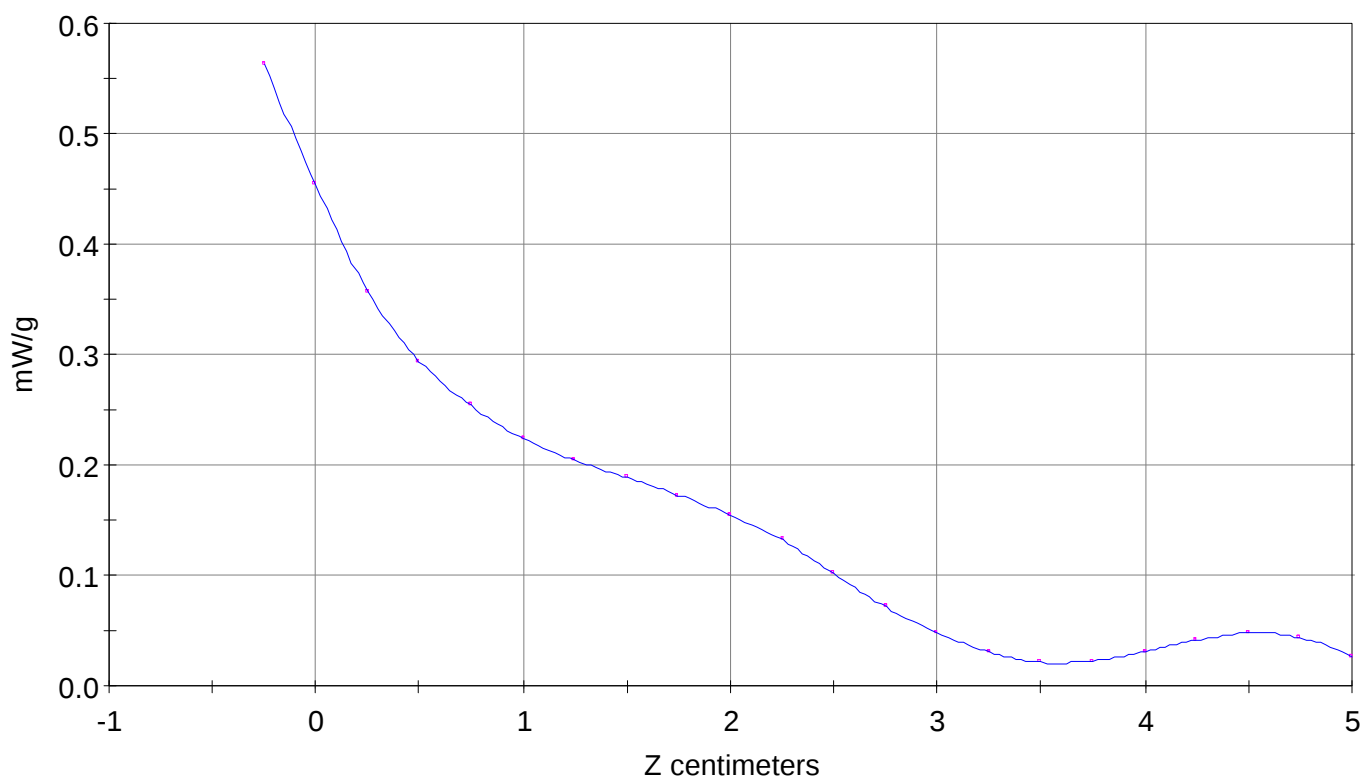
Calc. Voltage @ Surface (Vs) = 0.0068

Voltage @ 1.00 cm (Vt) = 0.0031

Ave. Voltage (Vs+Vt)/2 = 0.0049

Ave. SAR over 1 g (mW/g) = 0.4085

SAR Scan
File : 01042018_ZOOM
Start : 20-Apr-101 04:27:02 pm End : 20-Apr-101 04:38:41 pm
SAMSUNG/SPH-N170/1;824.70MHz;W;Helical/In;
Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 DegreesMuscle/51.700/1.100

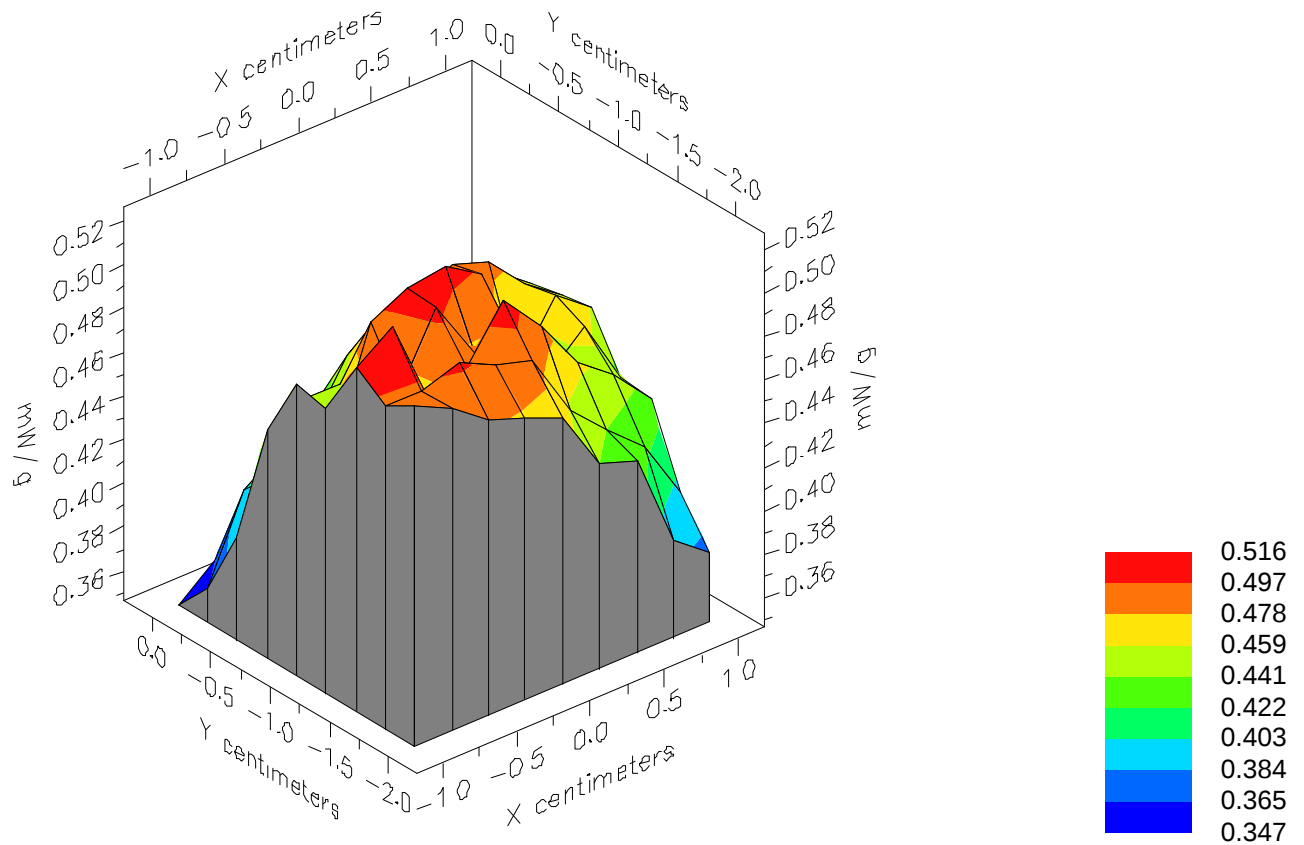


File : 01042018_ZOOM

Start : 20-Apr-101 04:27:02 pm End : 20-Apr-101 04:38:41 pm

SAMSUNG/SPH-N170/1;824.70MHz;W;Helical/In;

Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 DegreesMuscle/51.700/1.100

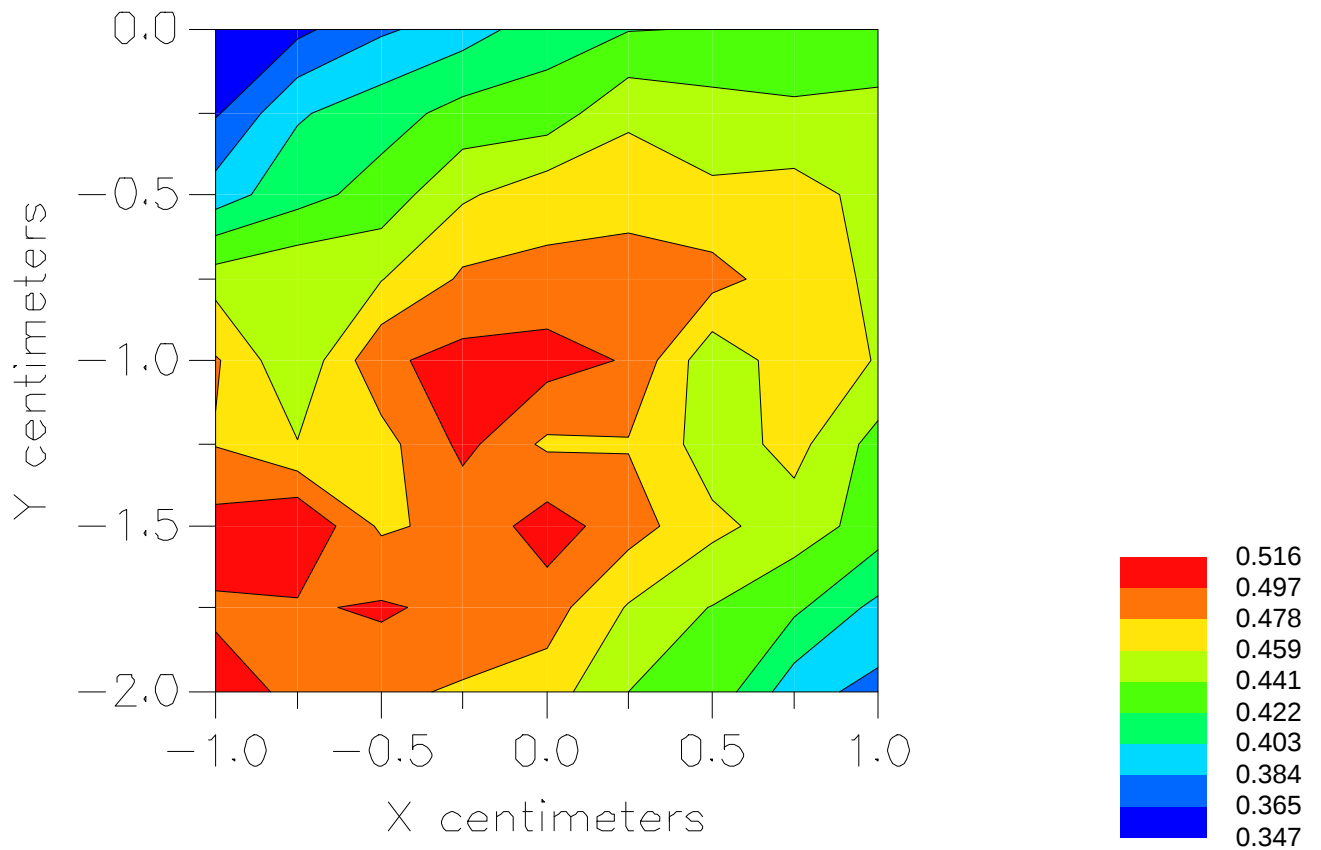


File : 01042018_ZOOM

Start : 20-Apr-101 04:27:02 pm End : 20-Apr-101 04:38:41 pm

SAMSUNG/SPH-N170/1;824.70MHz;W;Helical/In;

Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 DegreesMuscle/51.700/1.100



File : c:/idx3/SYSTEM/SARMEAS3/data/Normal/01042016_ZOOM.VLT
Start : 20-Apr-101 03:50:45 pm End : 20-Apr-101 04:02:28 pm

Radio Type : SAMSUNG
Model Number : SPH-N170
Serial Number : 1
Frequency : 824.70 MHz
Peak Trans. Pwr : 0.320 W
Start Trans. Pwr: 0.320 W
Antenna Type : Helical
Antenna Posn. : Out
Phantom Type : Body
Phantom Posn. : Abdomen
Scan Type : ZOOM/SAR
Probe Name : PCTEST
Field Type : E Field
Orientation : 0 Degrees

Mixture Type = Muscle
Mixture Dielectric Constant = 51.700
Mixture Conductivity = 1.100

Comment :
SAMSUNG TRI-MODE PHONE - CDMA MODE
CHAN 1013 Conducted 25.0 dBm
SAMSUNG TRI-MODE PHONE - BODY SAR

Robot : PCTEST

Probe Offset = 0.25 cm
Sensor Factor = 0.0108
Conversion Factor = 0.894

PCTEST Amplifier Channel Settings : 0.166 0.135 0.132

Max Location : X = -0.750, Y = -1.500, Z = 0.000 (cm) Value = 6.497

Measured Values (volts) =
6.296E-003 5.067E-003 4.021E-003 3.373E-003 2.916E-003 2.701E-003
2.529E-003 2.386E-003 2.227E-003 1.977E-003 1.657E-003 1.237E-003
8.192E-004 5.030E-004 3.201E-004 2.777E-004 3.467E-004 5.297E-004
6.741E-004 6.878E-004 5.455E-004

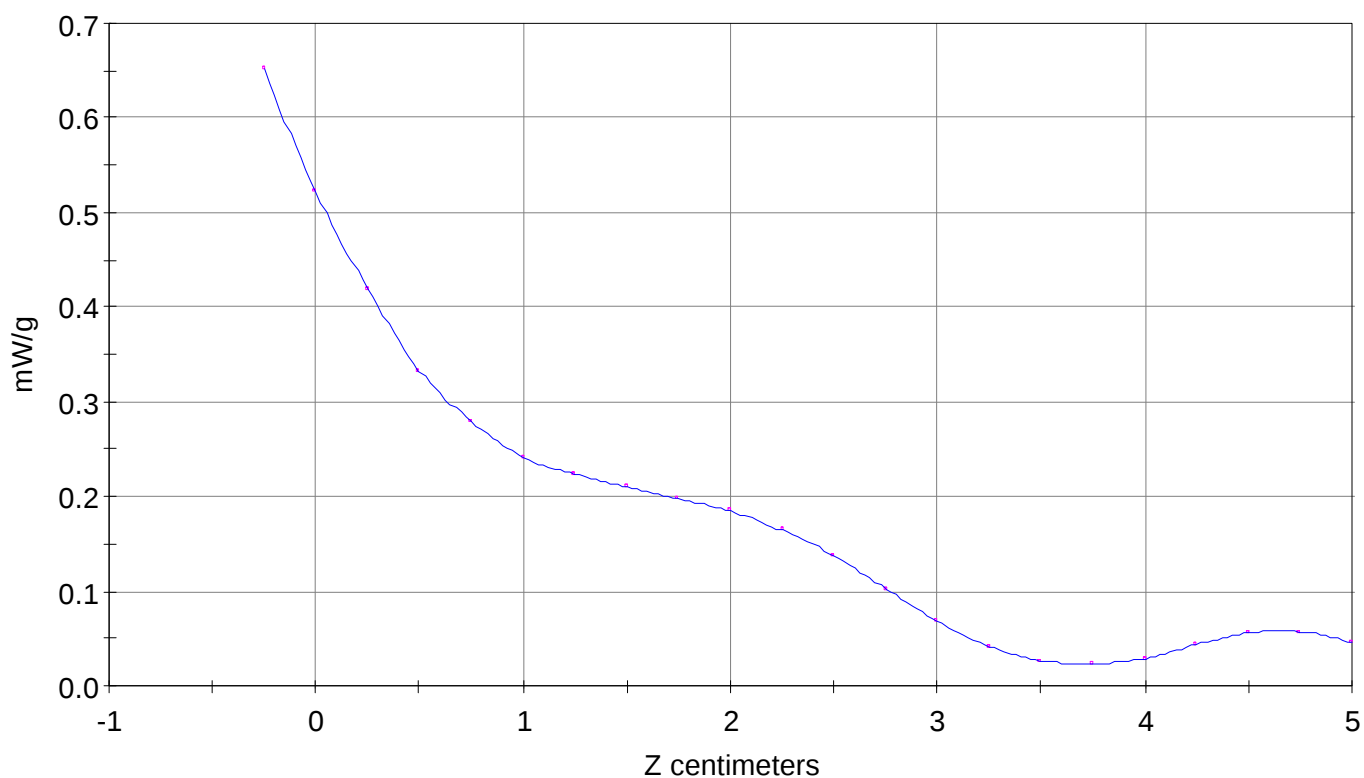
Calc. Voltage @ Surface (Vs) = 0.0079

Voltage @ 1.00 cm (Vt) = 0.0034

Ave. Voltage (Vs+Vt)/2 = 0.0056

Ave. SAR over 1 g (mW/g) = 0.4657

SAR Scan
File : 01042016_ZOOM
Start : 20-Apr-101 03:50:45 pm End : 20-Apr-101 04:02:28 pm
SAMSUNG/SPH-N170/1;824.70MHz;W;Helical/Out;
Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 DegreesMuscle/51.700/1.100

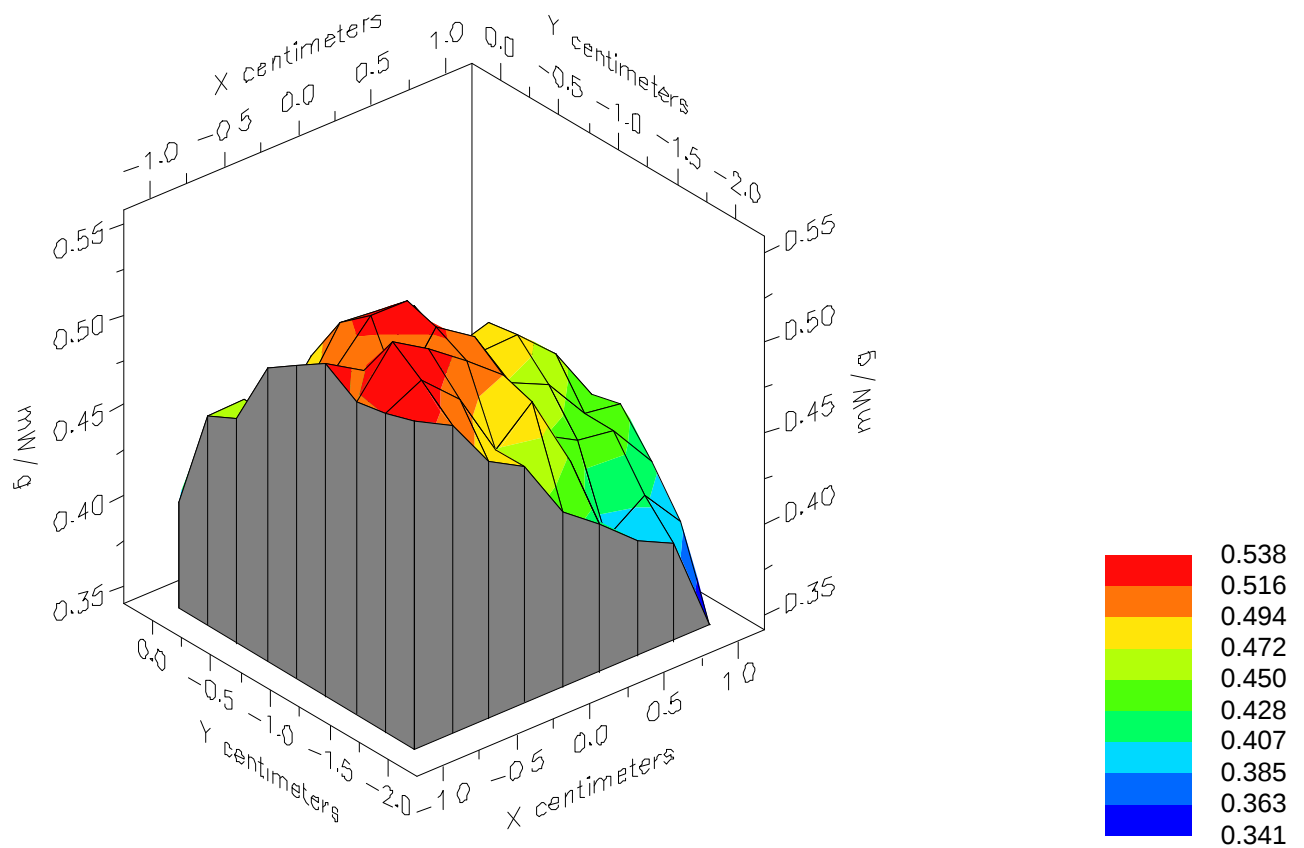


File : 01042016_ZOOM

Start : 20-Apr-101 03:50:45 pm End : 20-Apr-101 04:02:28 pm

SAMSUNG/SPH-N170/1;824.70MHz;W;Helical/Out;

Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 DegreesMuscle/51.700/1.100

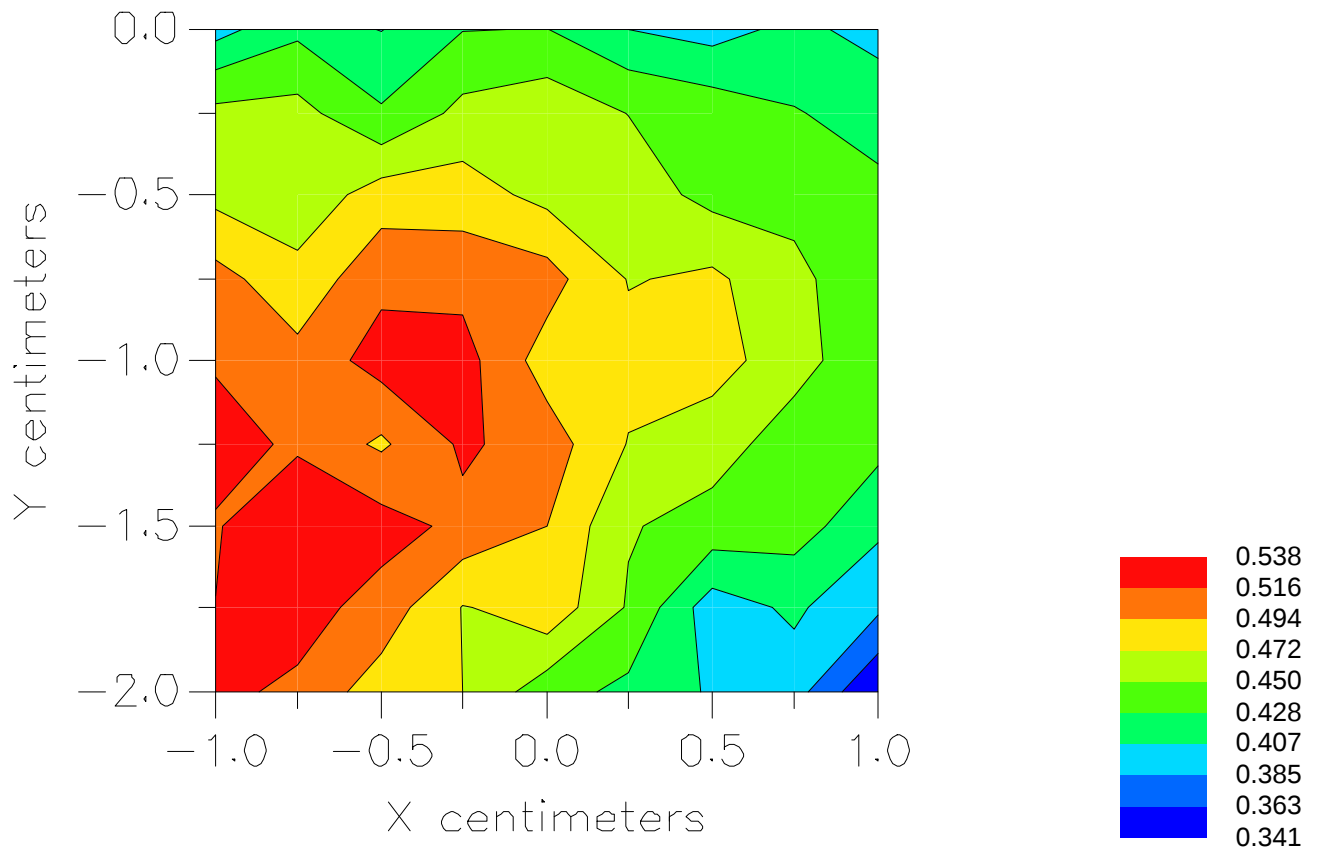


File : 01042016_ZOOM

Start : 20-Apr-101 03:50:45 pm End : 20-Apr-101 04:02:28 pm

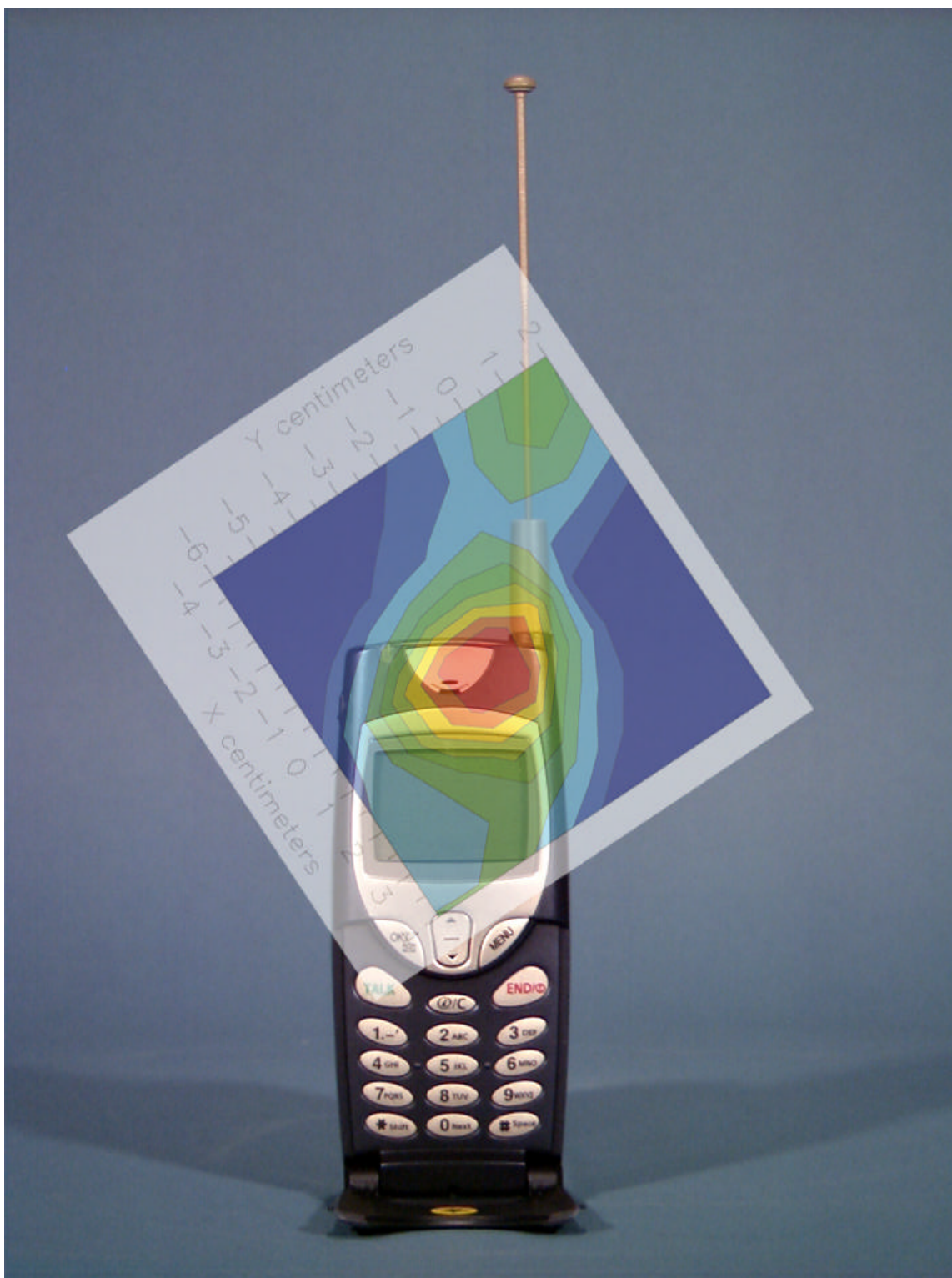
SAMSUNG/SPH-N170/1;824.70MHz;W;Helical/Out;

Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 DegreesMuscle/51.700/1.100



Peak SAR Location

1800 MHz Head SAR



File : c:/idx3/SYSTEM/SARMEAS3/data/Normal/01042006_ZOOM.VLT
Start : 20-Apr-101 10:55:42 am End : 20-Apr-101 11:07:43 am

Radio Type : SAMSUNG
Model Number : SPH-N170
Serial Number : 1
Frequency : 1851.25 MHz
Peak Trans. Pwr : 0.250 W
Start Trans. Pwr: 0.250 W
Antenna Type : Helical
Antenna Posn. : In
Phantom Type : Head
Phantom Posn. : Left Ear
Scan Type : ZOOM/SAR
Probe Name : PCTEST
Field Type : E Field
Orientation : 0 Degrees

Mixture Type = Brain
Mixture Dielectric Constant = 40.400
Mixture Conductivity = 1.820

Comment :
SAMSUNG TRI-MODE PHONE - PCS MODE
CHAN 0025 Conducted 24.0 dBm
SAMSUNG TRI-MODE PHONE

Robot : PCTEST

Probe Offset = 0.25 cm
Sensor Factor = 0.0108
Conversion Factor = 1.201

PCTEST Amplifier Channel Settings : 0.245 0.231 0.224

Max Location : X = -0.500, Y = -2.000, Z = 0.000 (cm) Value = 8.801

Measured Values (volts) =
8.325E-003 6.310E-003 4.432E-003 3.063E-003 2.244E-003 1.606E-003
1.145E-003 8.416E-004 6.653E-004 5.585E-004 4.040E-004 3.135E-004
2.067E-004 2.340E-004 1.865E-004 2.013E-004 1.180E-004 1.243E-004
1.281E-004 1.239E-004 1.573E-004

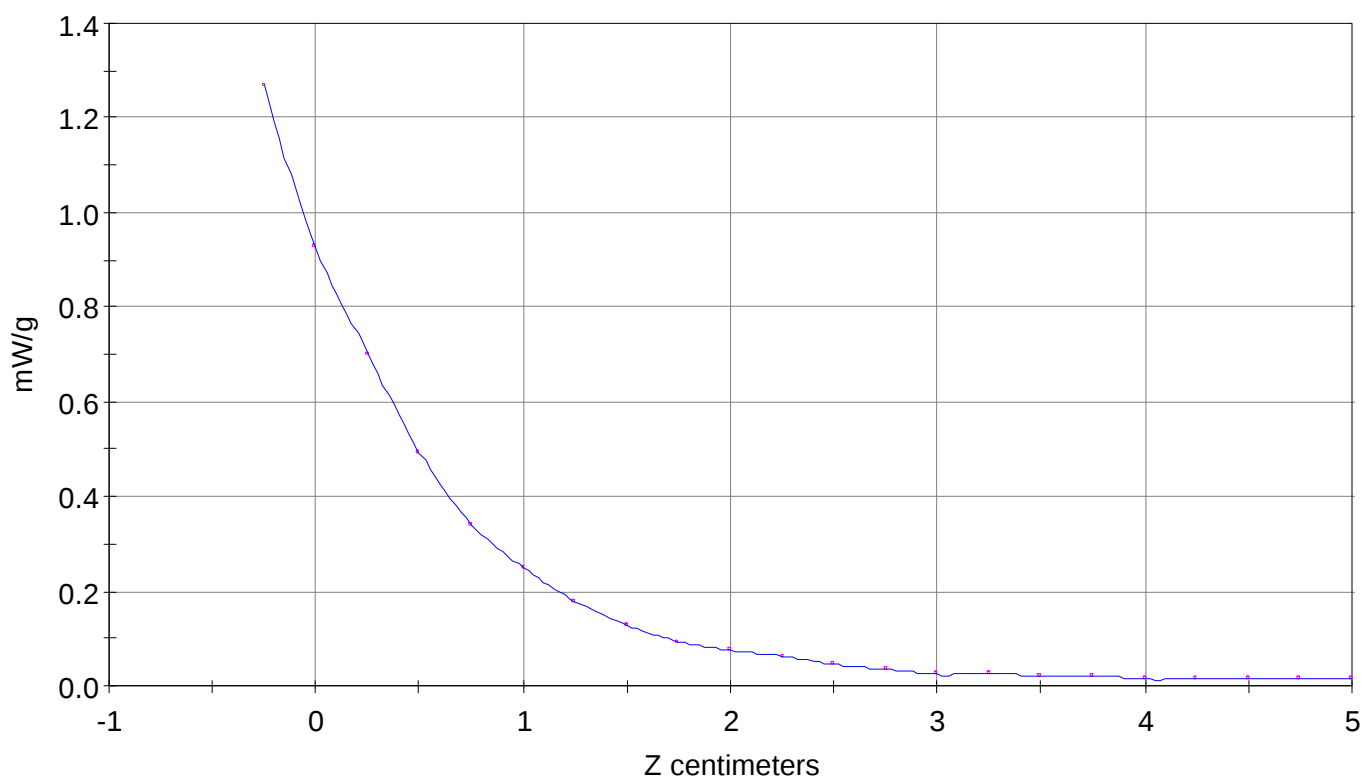
Calc. Voltage @ Surface (Vs) = 0.0114

Voltage @ 1.00 cm (Vt) = 0.0031

Ave. Voltage (Vs+Vt)/2 = 0.0072

Ave. SAR over 1 g (mW/g) = 0.8052

SAR Scan
File : 01042006_ZOOM
Start : 20-Apr-101 10:55:42 am End : 20-Apr-101 11:07:43 am
SAMSUNG/SPH-N170/1;1851.25MHz;W;Helical/In;
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/40.400/1.820

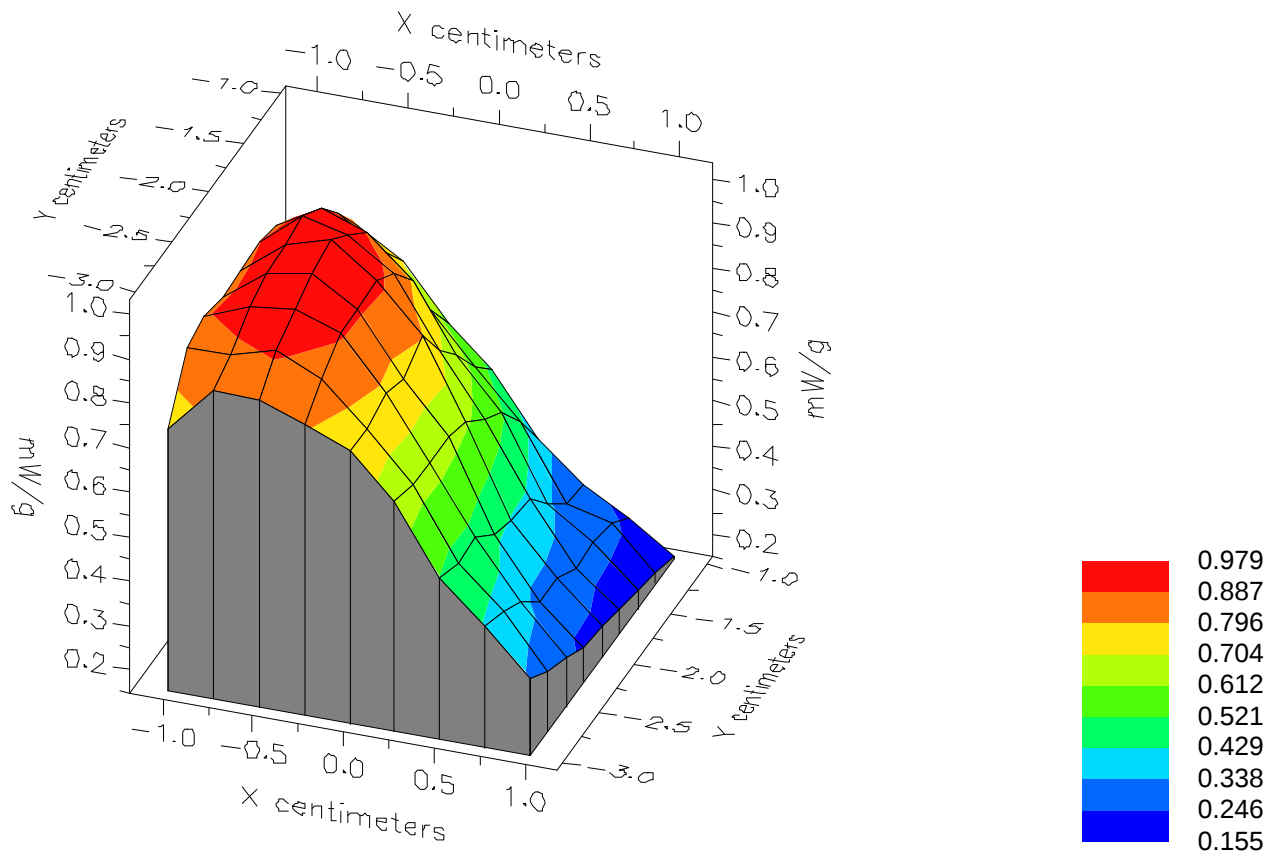


File : 01042006_ZOOM

Start : 20-Apr-101 10:55:42 am End : 20-Apr-101 11:07:43 am

SAMSUNG/SPH-N170/1;1851.25MHz;W;Helical/In;

Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/40.400/1.820

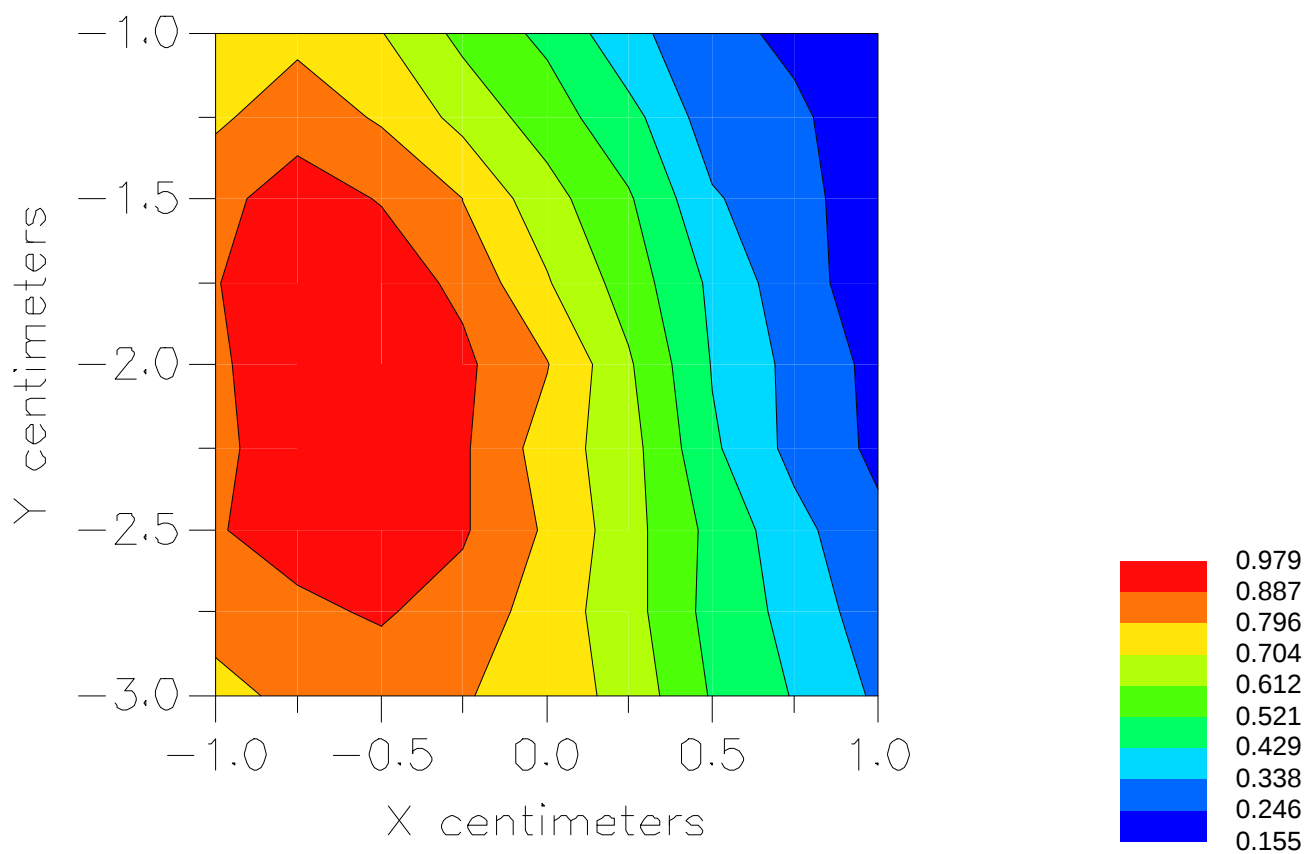


File : 01042006_ZOOM

Start : 20-Apr-101 10:55:42 am End : 20-Apr-101 11:07:43 am

SAMSUNG/SPH-N170/1;1851.25MHz;W;Helical/In;

Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/40.400/1.820



File : c:/idx3/SYSTEM/SARMEAS3/data/Normal/01042005_ZOOM.VLT
Start : 20-Apr-101 10:41:41 am End : 20-Apr-101 10:53:42 am

Radio Type : SAMSUNG
Model Number : SPH-N170
Serial Number : 1
Frequency : 1851.25 MHz
Peak Trans. Pwr : 0.250 W
Start Trans. Pwr: 0.250 W
Antenna Type : Helical
Antenna Posn. : Out
Phantom Type : Head
Phantom Posn. : Left Ear
Scan Type : ZOOM/SAR
Probe Name : PCTEST
Field Type : E Field
Orientation : 0 Degrees

Mixture Type = Brain
Mixture Dielectric Constant = 40.400
Mixture Conductivity = 1.820

Comment :
SAMSUNG TRI-MODE PHONE - PCS MODE
CHAN 0025 Conducted 24.0 dBm
SAMSUNG TRI-MODE PHONE

Robot : PCTEST

Probe Offset = 0.25 cm
Sensor Factor = 0.0108
Conversion Factor = 1.201

PCTEST Amplifier Channel Settings : 0.245 0.231 0.224

Max Location : X = 0.000, Y = -2.500, Z = 0.000 (cm) Value = 15.760

Measured Values (volts) =
1.500E-002 1.284E-002 8.871E-003 6.183E-003 4.447E-003 3.313E-003
2.294E-003 1.775E-003 1.236E-003 9.807E-004 6.979E-004 5.308E-004
3.785E-004 2.870E-004 2.650E-004 2.555E-004 1.838E-004 2.241E-004
1.508E-004 1.497E-004 1.354E-004

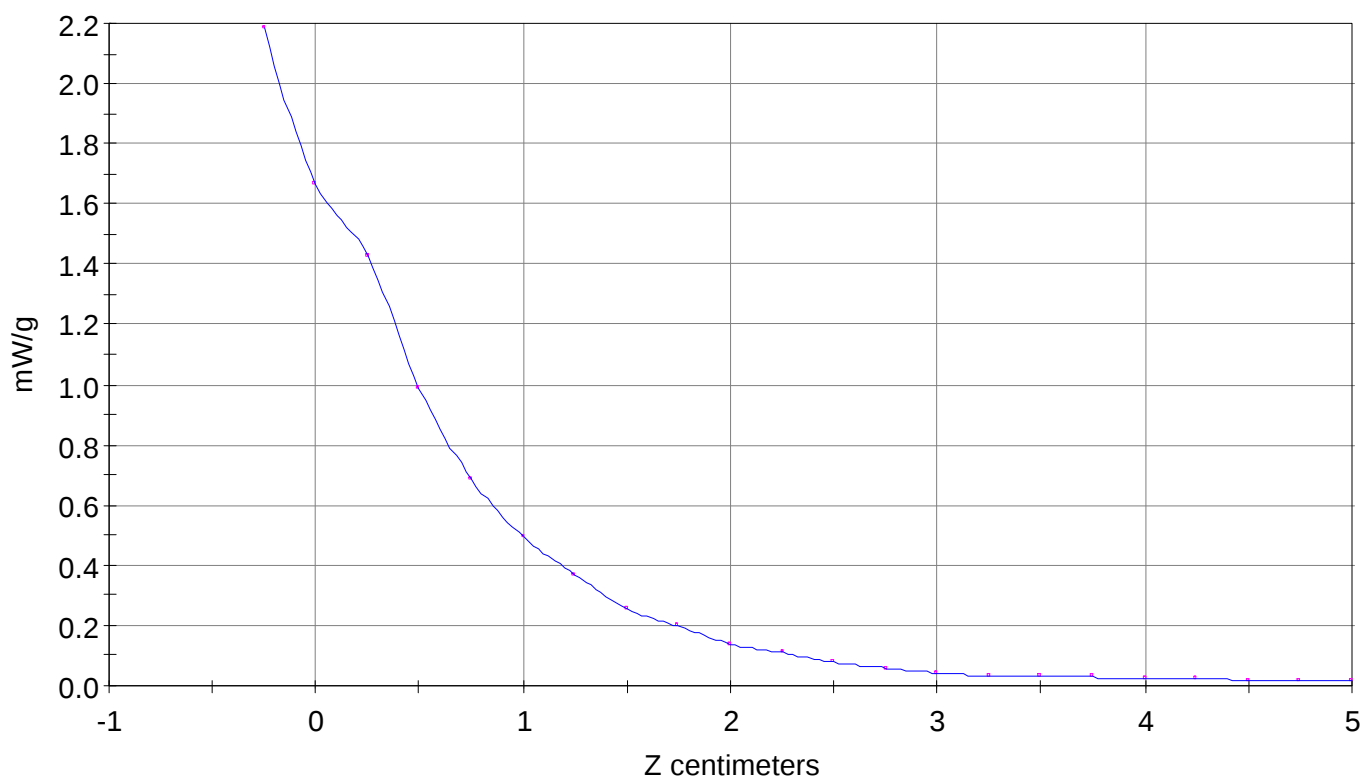
Calc. Voltage @ Surface (Vs) = 0.0196

Voltage @ 1.00 cm (Vt) = 0.0062

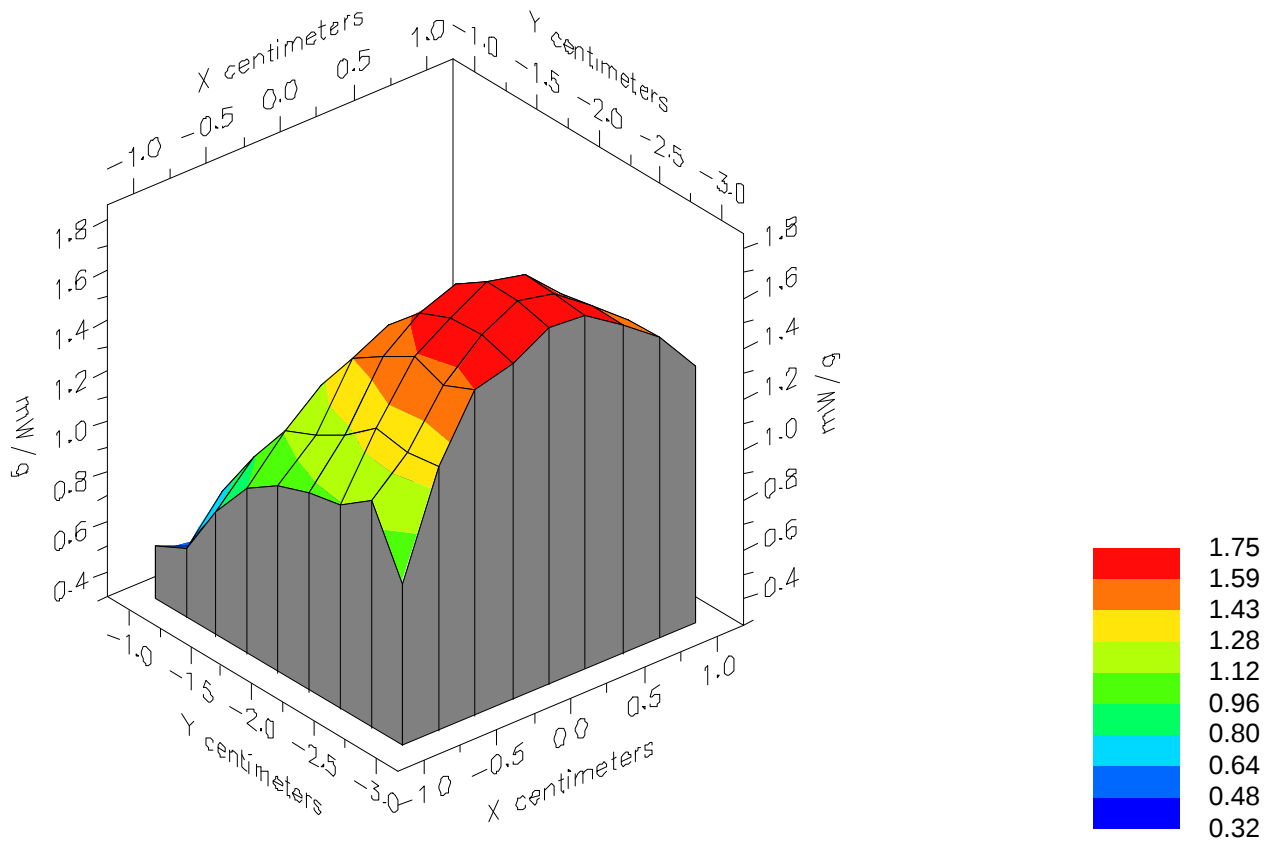
Ave. Voltage (Vs+Vt)/2 = 0.0129

Ave. SAR over 1 g (mW/g) = 1.4350

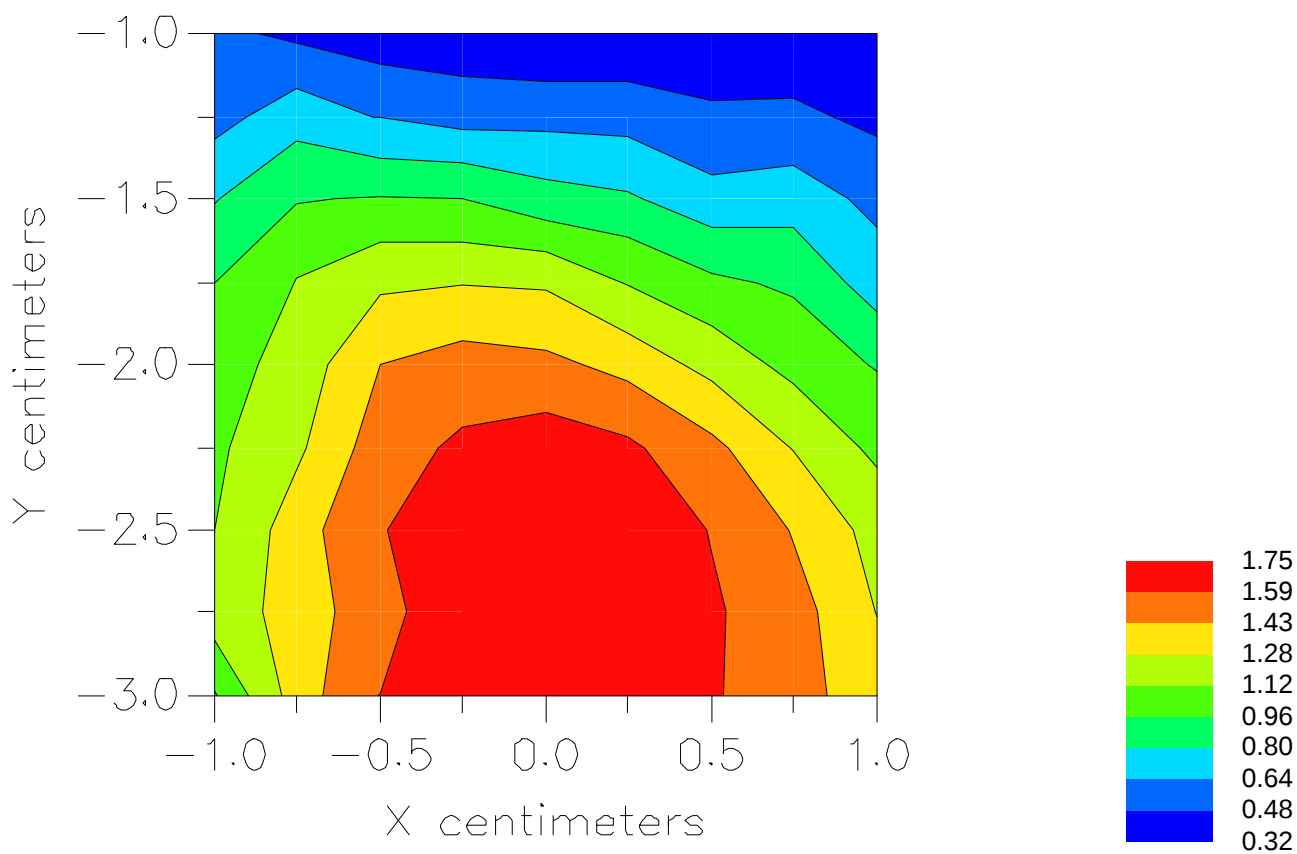
SAR Scan
File : 01042005_ZOOM
Start : 20-Apr-101 10:41:41 am End : 20-Apr-101 10:53:42 am
SAMSUNG/SPH-N170/1;1851.25MHz;W;Helical/Out;
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/40.400/1.820



File : 01042005_ZOOM
Start : 20-Apr-101 10:41:41 am End : 20-Apr-101 10:53:42 am
SAMSUNG/SPH-N170/1;1851.25MHz;W;Helical/Out;
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/40.400/1.820



File : 01042005_ZOOM
Start : 20-Apr-101 10:41:41 am End : 20-Apr-101 10:53:42 am
SAMSUNG/SPH-N170/1;1851.25MHz;W;Helical/Out;
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/40.400/1.820



File : c:/idx3/SYSTEM/SARMEAS3/data/Normal/01042004_ZOOM.VLT
Start : 20-Apr-101 10:25:56 am End : 20-Apr-101 10:35:04 am

Radio Type : SAMSUNG
Model Number : SPH-N170
Serial Number : 1
Frequency : 1880.00 MHz
Peak Trans. Pwr : 0.250 W
Start Trans. Pwr: 0.250 W
Antenna Type : Helical
Antenna Posn. : In
Phantom Type : Head
Phantom Posn. : Left Ear
Scan Type : ZOOM/SAR
Probe Name : PCTEST
Field Type : E Field
Orientation : 0 Degrees

Mixture Type = Brain
Mixture Dielectric Constant = 40.400
Mixture Conductivity = 1.820

Comment :
SAMSUNG TRI-MODE PHONE - PCS MODE
CHAN 0600 Conducted 24.0 dBm
SAMSUNG TRI-MODE PHONE

Robot : PCTEST

Probe Offset = 0.25 cm
Sensor Factor = 0.0108
Conversion Factor = 1.201

PCTEST Amplifier Channel Settings : 0.245 0.231 0.224

Max Location : X = -0.750, Y = -2.250, Z = 0.000 (cm) Value = 8.740

Measured Values (volts) =
7.792E-003 6.524E-003 4.716E-003 3.300E-003 2.463E-003 1.802E-003
1.371E-003 9.823E-004 8.201E-004 5.501E-004 4.677E-004 4.126E-004
3.179E-004 2.088E-004 2.358E-004 8.799E-005 1.853E-004 1.681E-004
1.174E-004 1.867E-004 1.064E-004

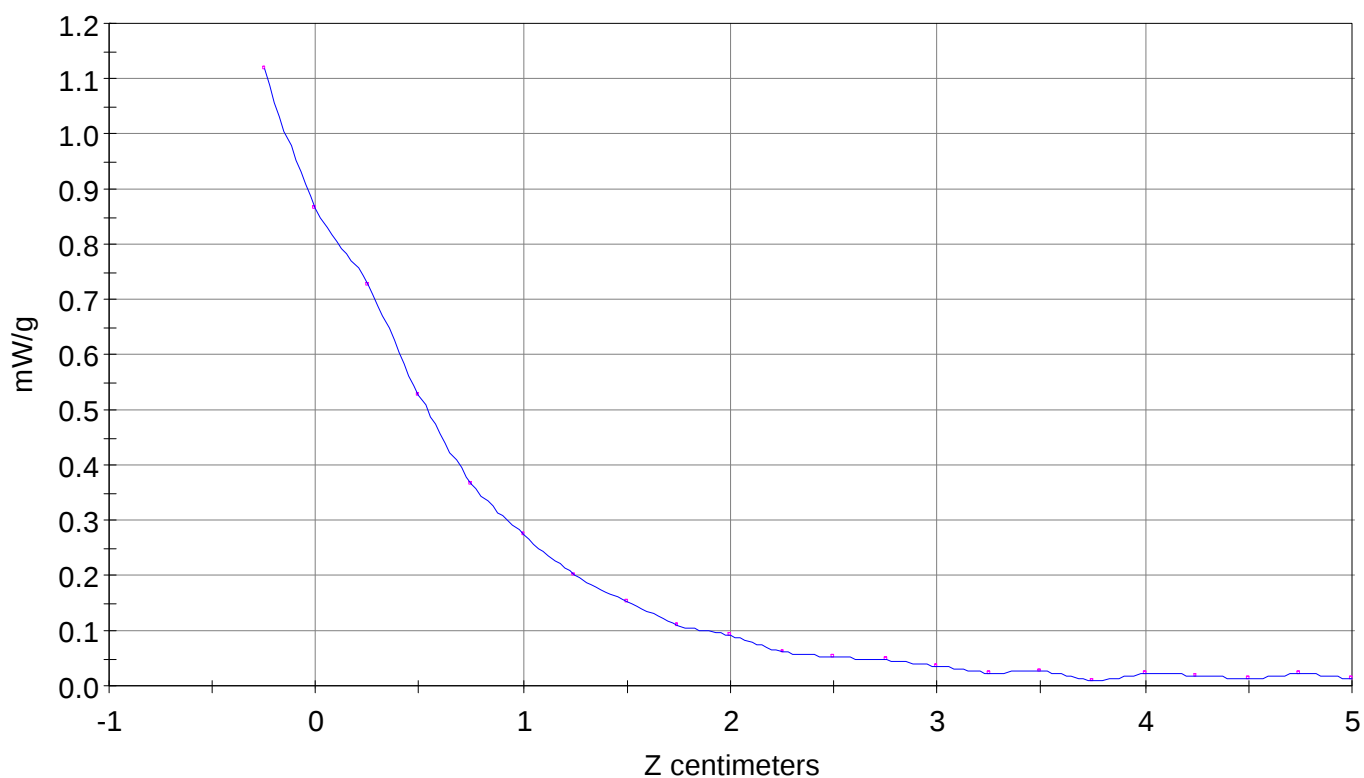
Calc. Voltage @ Surface (Vs) = 0.0100

Voltage @ 1.00 cm (Vt) = 0.0033

Ave. Voltage (Vs+Vt)/2 = 0.0067

Ave. SAR over 1 g (mW/g) = 0.7418

SAR Scan
File : 01042004_ZOOM
Start : 20-Apr-101 10:25:56 am End : 20-Apr-101 10:35:04 am
SAMSUNG/SPH-N170/1;1880.00MHz;W;Helical/In;
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/40.400/1.820

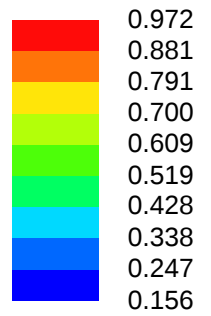
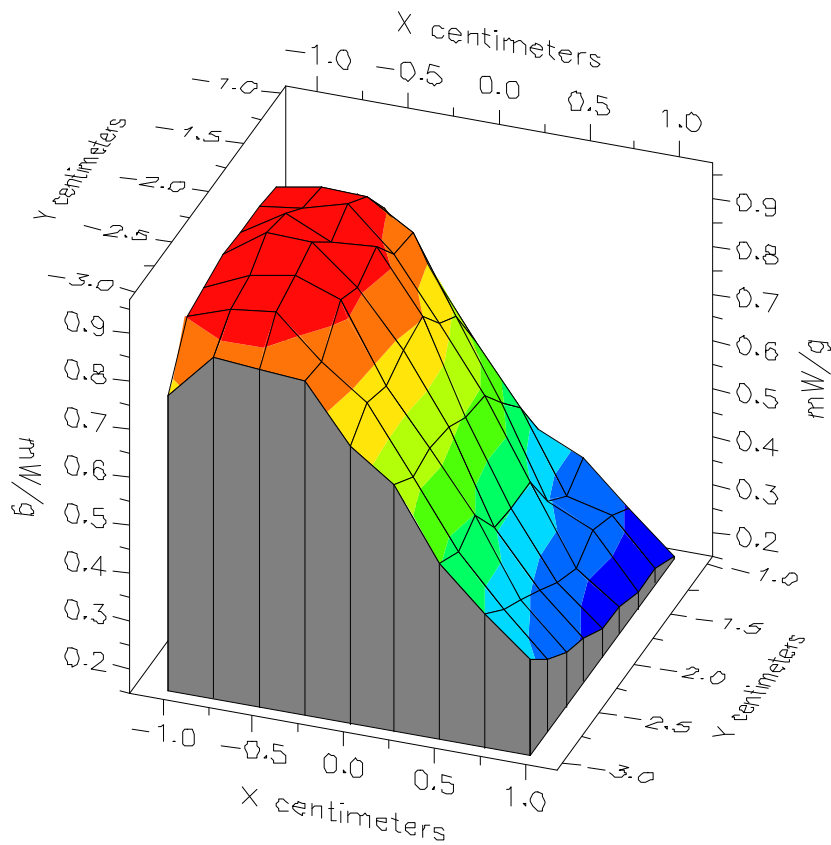


File : 01042004_ZOOM

Start : 20-Apr-101 10:25:56 am End : 20-Apr-101 10:35:04 am

SAMSUNG/SPH-N170/1;1880.00MHz;W;Helical/In;

Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/40.400/1.820

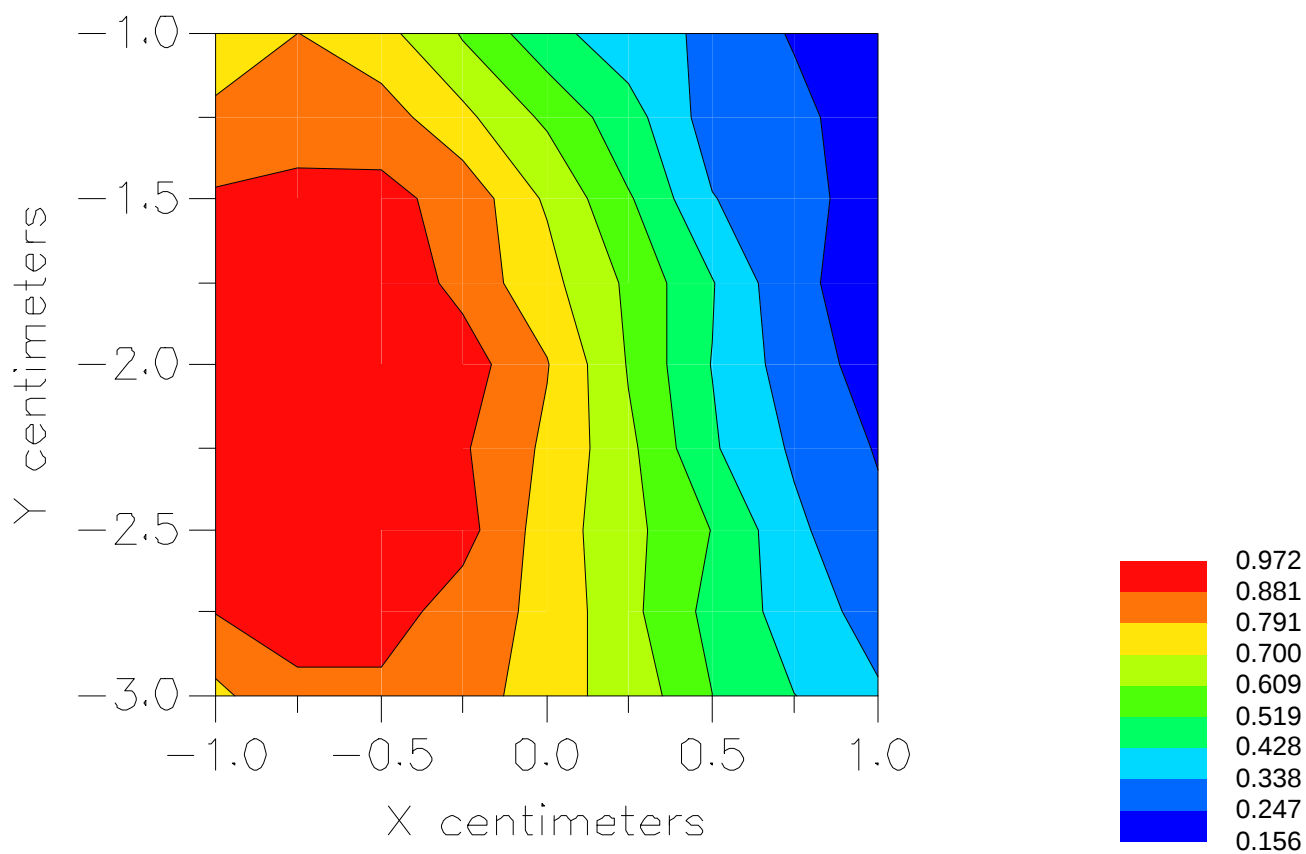


File : 01042004_ZOOM

Start : 20-Apr-101 10:25:56 am End : 20-Apr-101 10:35:04 am

SAMSUNG/SPH-N170/1;1880.00MHz;W;Helical/In;

Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/40.400/1.820



File : c:/idx3/SYSTEM/SARMEAS3/data/Normal/01042003_ZOOM.VLT
Start : 20-Apr-101 10:12:14 am End : 20-Apr-101 10:24:07 am

Radio Type : SAMSUNG
Model Number : SPH-N170
Serial Number : 1
Frequency : 1880.00 MHz
Peak Trans. Pwr : 0.250 W
Start Trans. Pwr: 0.250 W
Antenna Type : Helical
Antenna Posn. : Out
Phantom Type : Head
Phantom Posn. : Left Ear
Scan Type : ZOOM/SAR
Probe Name : PCTEST
Field Type : E Field
Orientation : 0 Degrees

Mixture Type = Brain
Mixture Dielectric Constant = 40.400
Mixture Conductivity = 1.820

Comment :
SAMSUNG TRI-MODE PHONE - PCS MODE
CHAN 0600 Conducted 24.0 dBm
SAMSUNG TRI-MODE PHONE

Robot : PCTEST

Probe Offset = 0.25 cm
Sensor Factor = 0.0108
Conversion Factor = 1.201

PCTEST Amplifier Channel Settings : 0.245 0.231 0.224

Max Location : X = 0.000, Y = -2.500, Z = 0.000 (cm) Value = 14.985

Measured Values (volts) =
1.483E-002 1.194E-002 8.339E-003 5.797E-003 4.363E-003 3.163E-003
2.244E-003 1.708E-003 1.334E-003 9.563E-004 7.443E-004 5.682E-004
4.221E-004 3.363E-004 3.474E-004 2.812E-004 2.393E-004 2.193E-004
2.082E-004 1.981E-004 1.969E-004

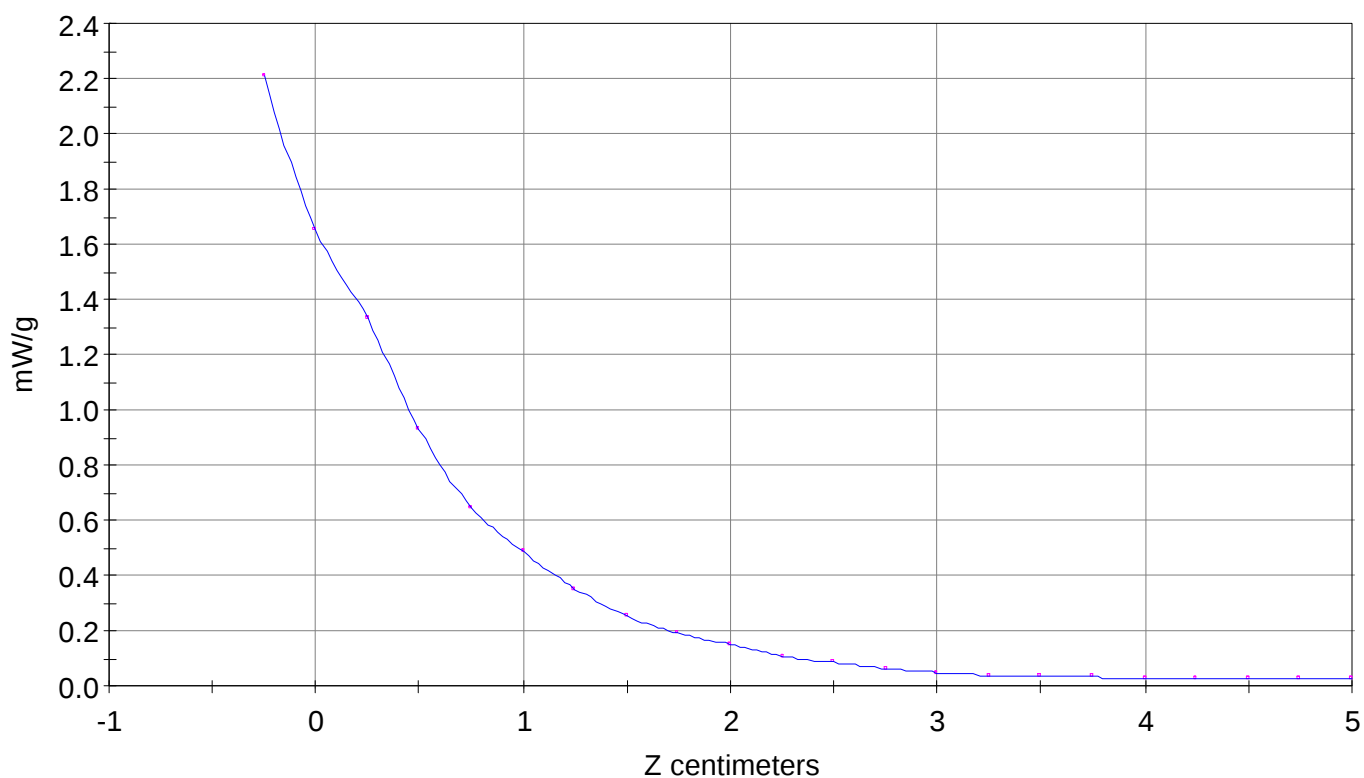
Calc. Voltage @ Surface (Vs) = 0.0198

Voltage @ 1.00 cm (Vt) = 0.0058

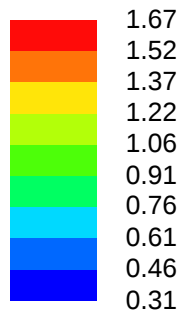
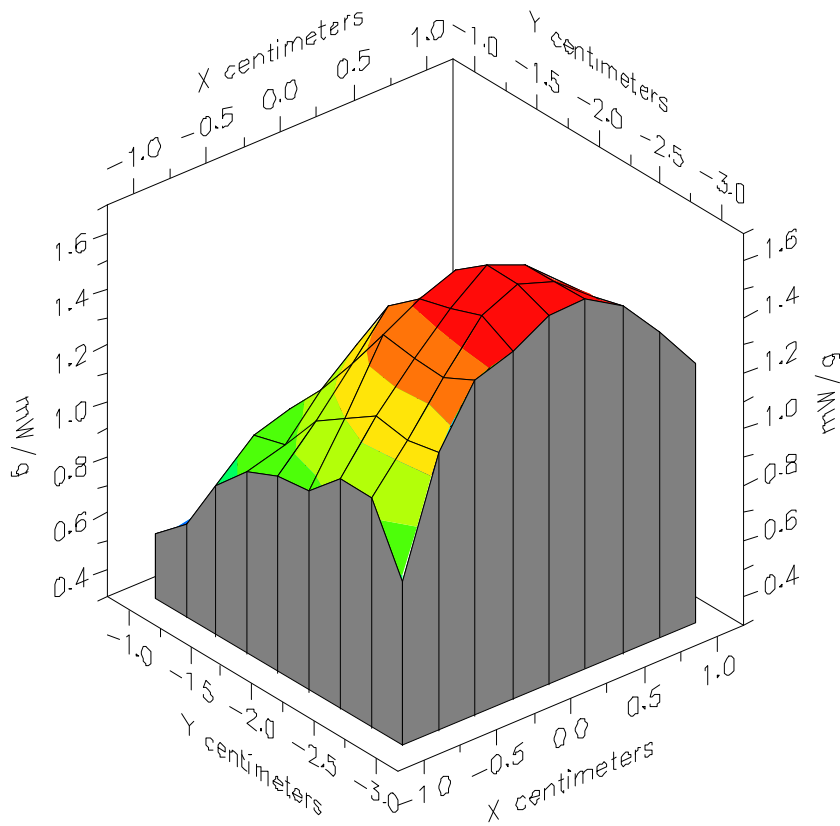
Ave. Voltage (Vs+Vt)/2 = 0.0128

Ave. SAR over 1 g (mW/g) = 1.4252

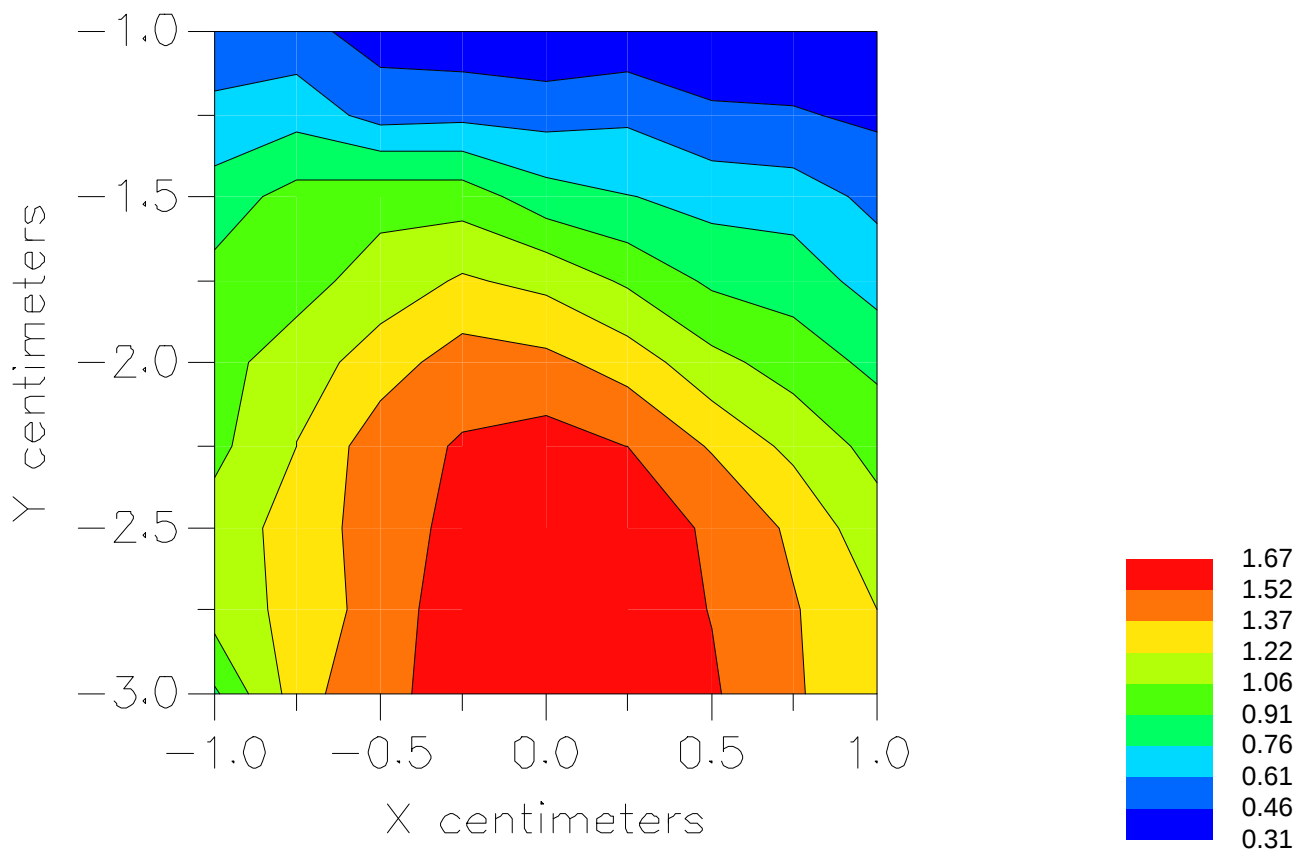
SAR Scan
File : 01042003_ZOOM
Start : 20-Apr-101 10:12:14 am End : 20-Apr-101 10:24:07 am
SAMSUNG/SPH-N170/1;1880.00MHz;W;Helical/Out;
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/40.400/1.820



File : 01042003_ZOOM
Start : 20-Apr-101 10:12:14 am End : 20-Apr-101 10:24:07 am
SAMSUNG/SPH-N170/1;1880.00MHz;W;Helical/Out;
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/40.400/1.820



File : 01042003_ZOOM
Start : 20-Apr-101 10:12:14 am End : 20-Apr-101 10:24:07 am
SAMSUNG/SPH-N170/1;1880.00MHz;W;Helical/Out;
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/40.400/1.820



File : c:/idx3/SYSTEM/SARMEAS3/data/Normal/01042009_ZOOM.VLT
Start : 20-Apr-101 11:36:17 am End : 20-Apr-101 11:45:40 am

Radio Type : SAMSUNG
Model Number : SPH-N170
Serial Number : 1
Frequency : 1908.75 MHz
Peak Trans. Pwr : 0.250 W
Start Trans. Pwr: 0.250 W
Antenna Type : Helical
Antenna Posn. : In
Phantom Type : Head
Phantom Posn. : Left Ear
Scan Type : ZOOM/SAR
Probe Name : PCTEST
Field Type : E Field
Orientation : 0 Degrees

Mixture Type = Brain
Mixture Dielectric Constant = 40.400
Mixture Conductivity = 1.820

Comment :
SAMSUNG TRI-MODE PHONE - PCS MODE
CHAN 1175 Conducted 24.0 dBm
SAMSUNG TRI-MODE PHONE

Robot : PCTEST

Probe Offset = 0.25 cm
Sensor Factor = 0.0108
Conversion Factor = 1.201

PCTEST Amplifier Channel Settings : 0.245 0.231 0.224

Max Location : X = -0.500, Y = -2.000, Z = 0.000 (cm) Value = 8.717

Measured Values (volts) =
8.584E-003 6.095E-003 4.219E-003 2.875E-003 2.015E-003 1.518E-003
1.088E-003 8.026E-004 5.871E-004 4.460E-004 3.650E-004 2.614E-004
2.139E-004 1.649E-004 1.895E-004 1.513E-004 1.165E-004 7.166E-005
1.171E-004 1.224E-004 8.561E-005

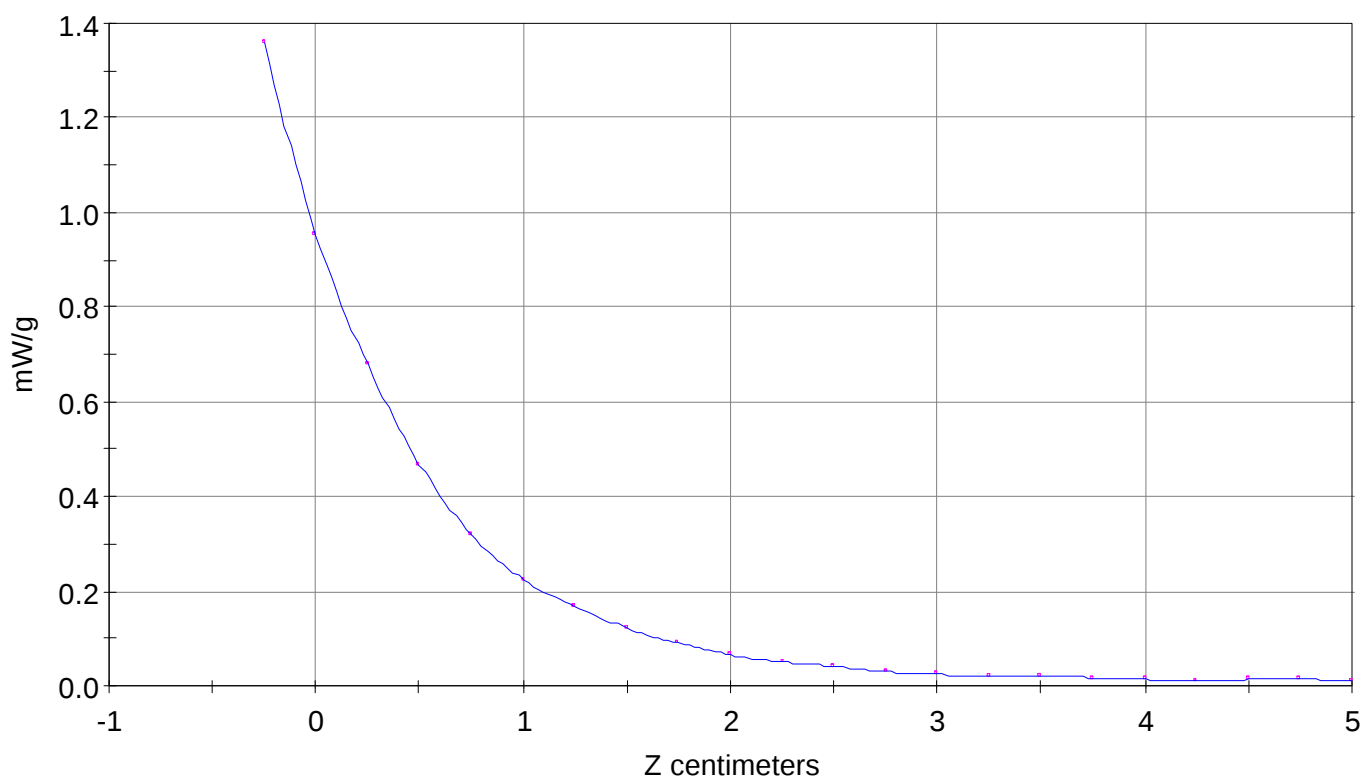
Calc. Voltage @ Surface (Vs) = 0.0122

Voltage @ 1.00 cm (Vt) = 0.0029

Ave. Voltage (Vs+Vt)/2 = 0.0076

Ave. SAR over 1 g (mW/g) = 0.8408

SAR Scan
File : 01042009_ZOOM
Start : 20-Apr-10 11:36:17 am End : 20-Apr-10 11:45:40 am
SAMSUNG/SPH-N170/1;1908.75MHz;W;Helical/In;
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 Degrees Brain/40.400/1.820

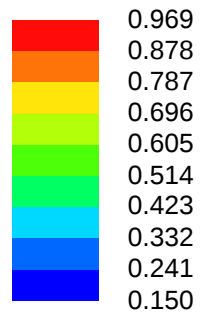
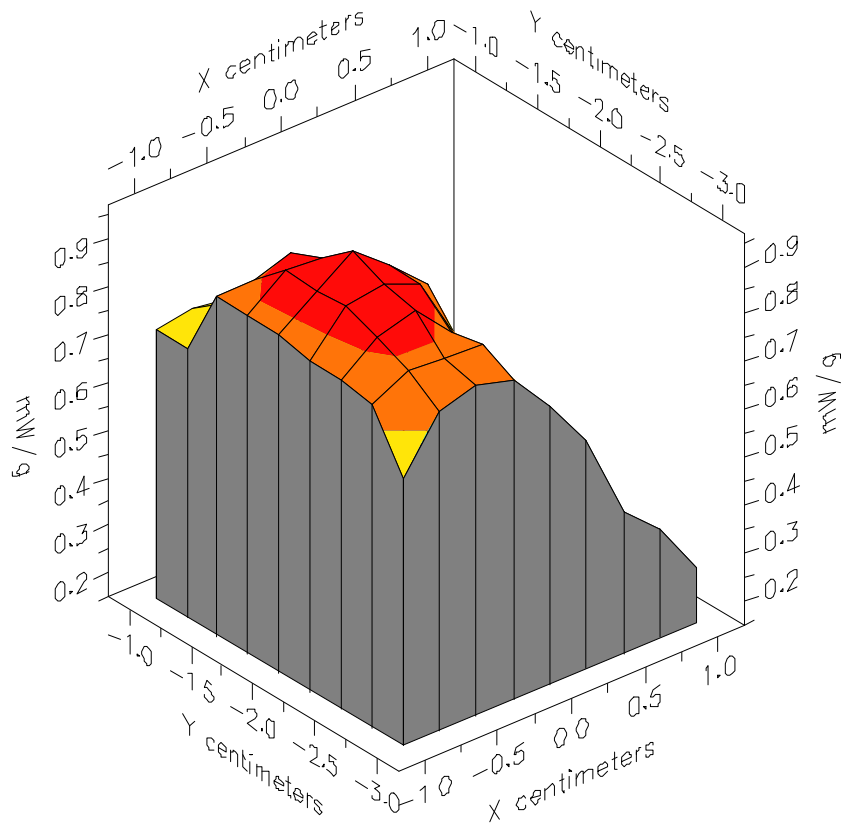


File : 01042009_ZOOM

Start : 20-Apr-101 11:36:17 am End : 20-Apr-101 11:45:40 am

SAMSUNG/SPH-N170/1;1908.75MHz;W;Helical/In;

Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/40.400/1.820

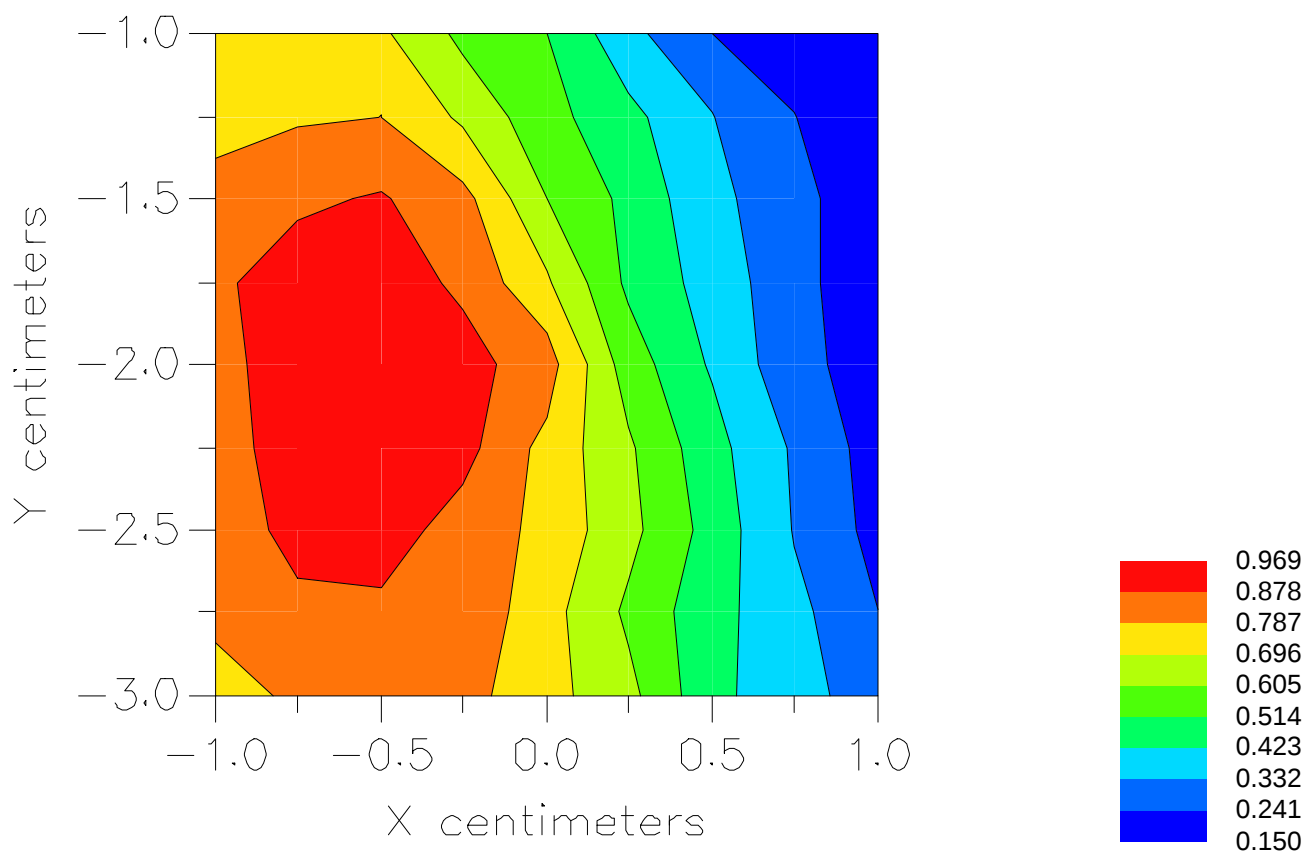


File : 01042009_ZOOM

Start : 20-Apr-101 11:36:17 am End : 20-Apr-101 11:45:40 am

SAMSUNG/SPH-N170/1;1908.75MHz;W;Helical/In;

Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/40.400/1.820



File : c:/idx3/SYSTEM/SARMEAS3/data/Normal/01042007_ZOOM.VLT
Start : 20-Apr-101 11:11:02 am End : 20-Apr-101 11:23:01 am

Radio Type : SAMSUNG
Model Number : SPH-N170
Serial Number : 1
Frequency : 1908.75 MHz
Peak Trans. Pwr : 0.250 W
Start Trans. Pwr: 0.250 W
Antenna Type : Helical
Antenna Posn. : Out
Phantom Type : Head
Phantom Posn. : Left Ear
Scan Type : ZOOM/SAR
Probe Name : PCTEST
Field Type : E Field
Orientation : 0 Degrees

Mixture Type = Brain
Mixture Dielectric Constant = 40.400
Mixture Conductivity = 1.820

Comment :
SAMSUNG TRI-MODE PHONE - PCS MODE
CHAN 1175 Conducted 24.0 dBm
SAMSUNG TRI-MODE PHONE

Robot : PCTEST

Probe Offset = 0.25 cm
Sensor Factor = 0.0108
Conversion Factor = 1.201

PCTEST Amplifier Channel Settings : 0.245 0.231 0.224

Max Location : X = 0.000, Y = -2.750, Z = 0.000 (cm) Value = 15.611

Measured Values (volts) =
1.500E-002 1.240E-002 8.676E-003 6.073E-003 4.485E-003 3.130E-003
2.345E-003 1.729E-003 1.251E-003 9.525E-004 6.770E-004 4.820E-004
3.306E-004 2.931E-004 3.256E-004 2.438E-004 2.061E-004 1.985E-004
1.523E-004 1.369E-004 1.585E-004

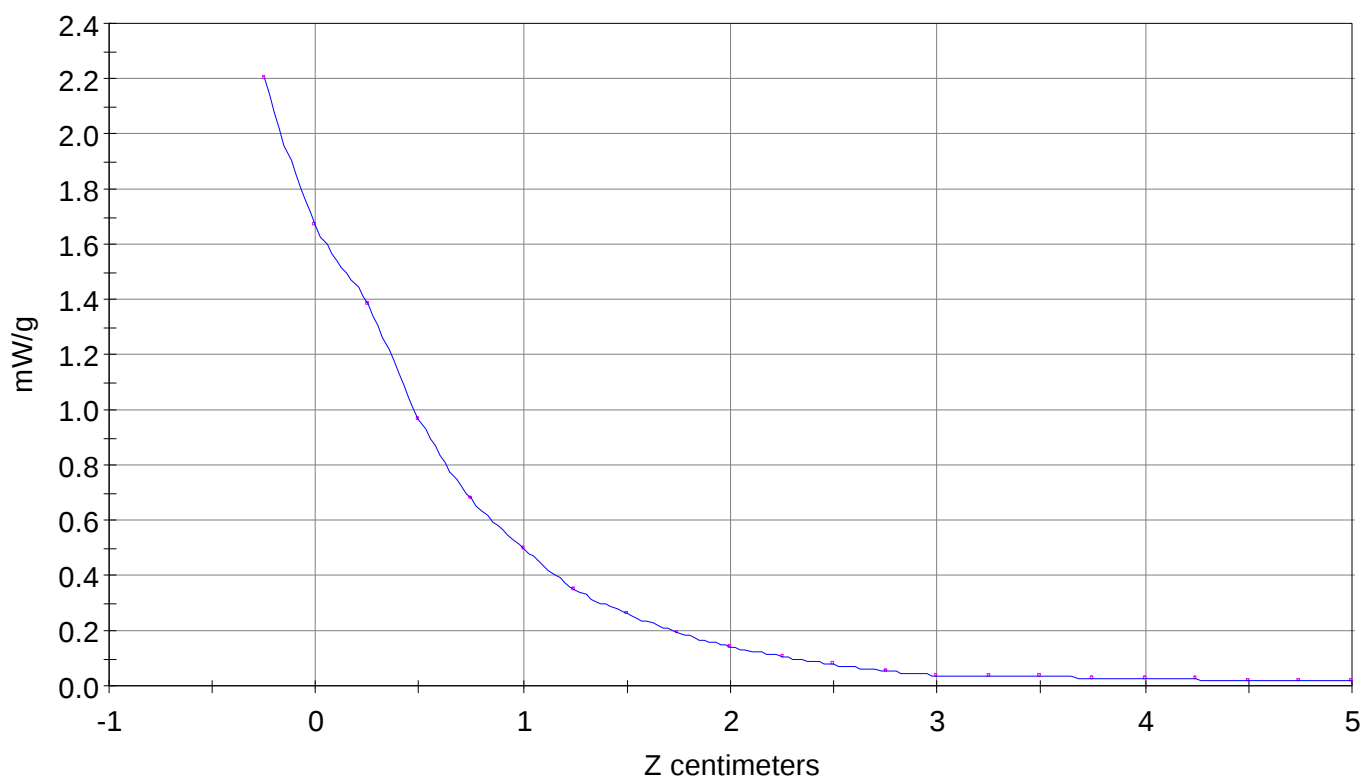
Calc. Voltage @ Surface (Vs) = 0.0198

Voltage @ 1.00 cm (Vt) = 0.0061

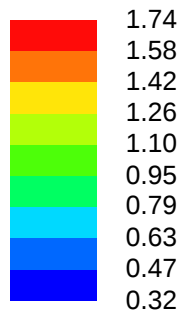
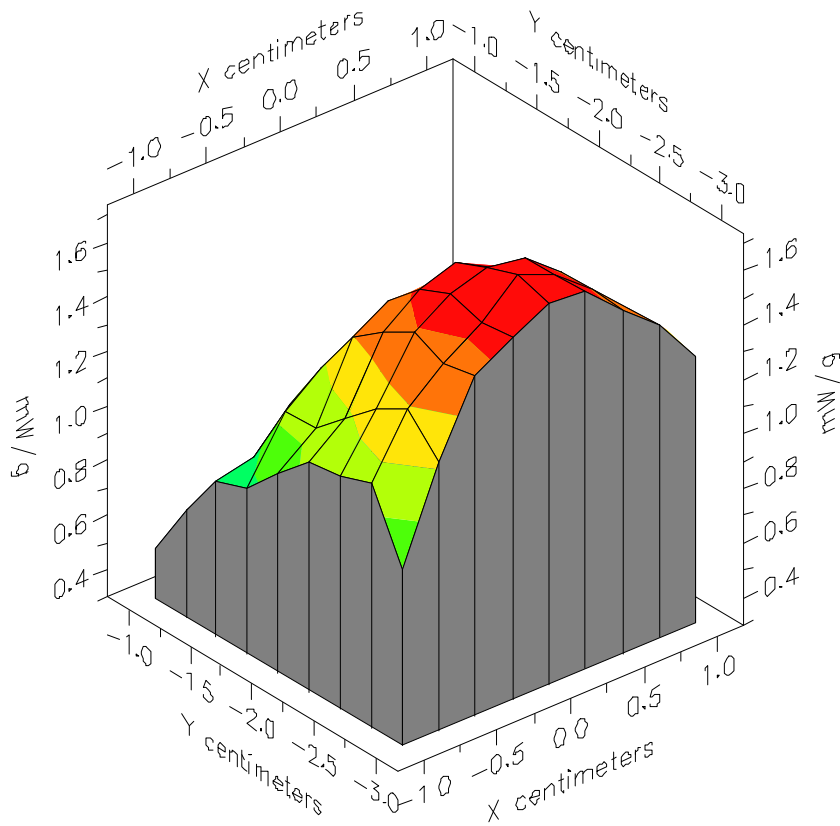
Ave. Voltage (Vs+Vt)/2 = 0.0129

Ave. SAR over 1 g (mW/g) = 1.4381

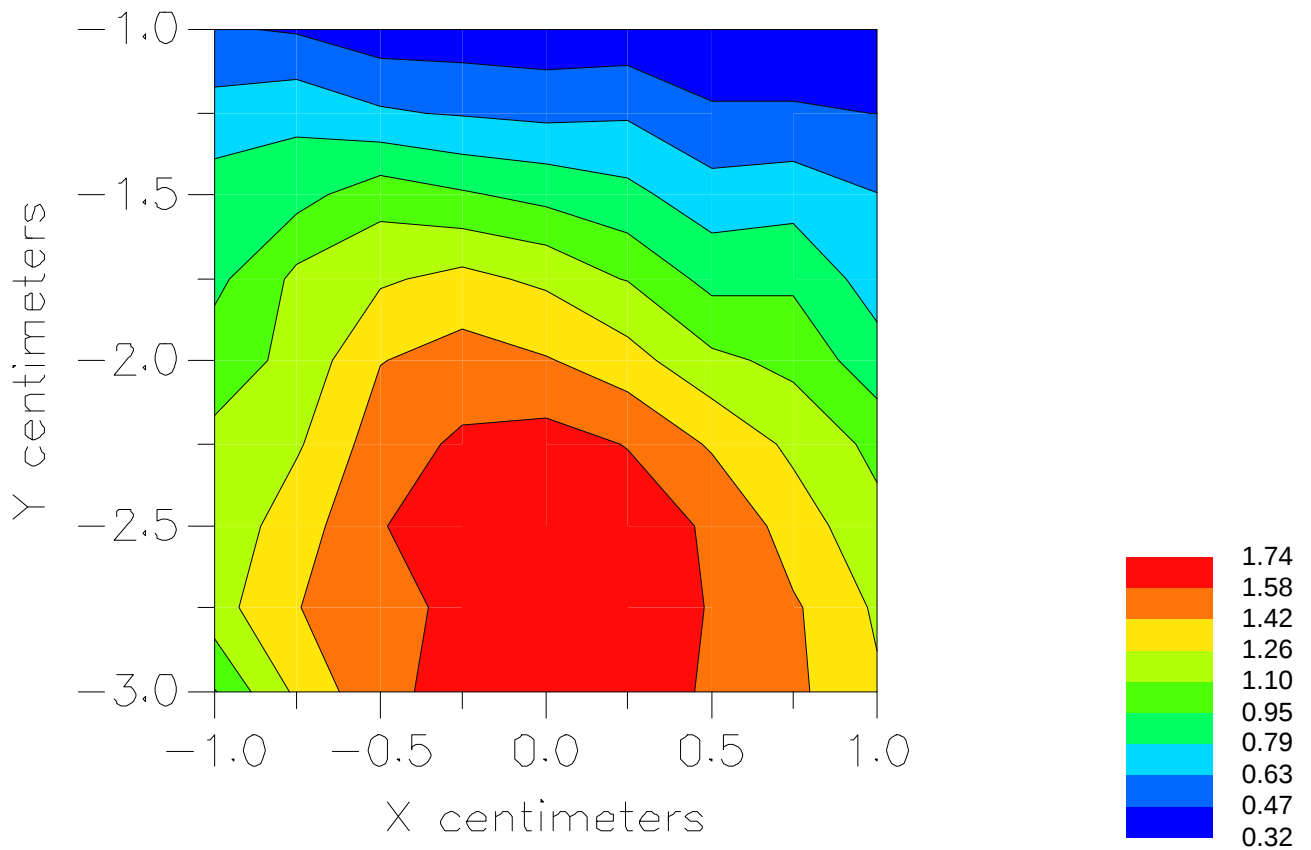
SAR Scan
File : 01042007_ZOOM
Start : 20-Apr-101 11:11:02 am End : 20-Apr-101 11:23:01 am
SAMSUNG/SPH-N170/1;1908.75MHz;W;Helical/Out;
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/40.400/1.820



File : 01042007_ZOOM
Start : 20-Apr-101 11:11:02 am End : 20-Apr-101 11:23:01 am
SAMSUNG/SPH-N170/1;1908.75MHz;W;Helical/Out;
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/40.400/1.820

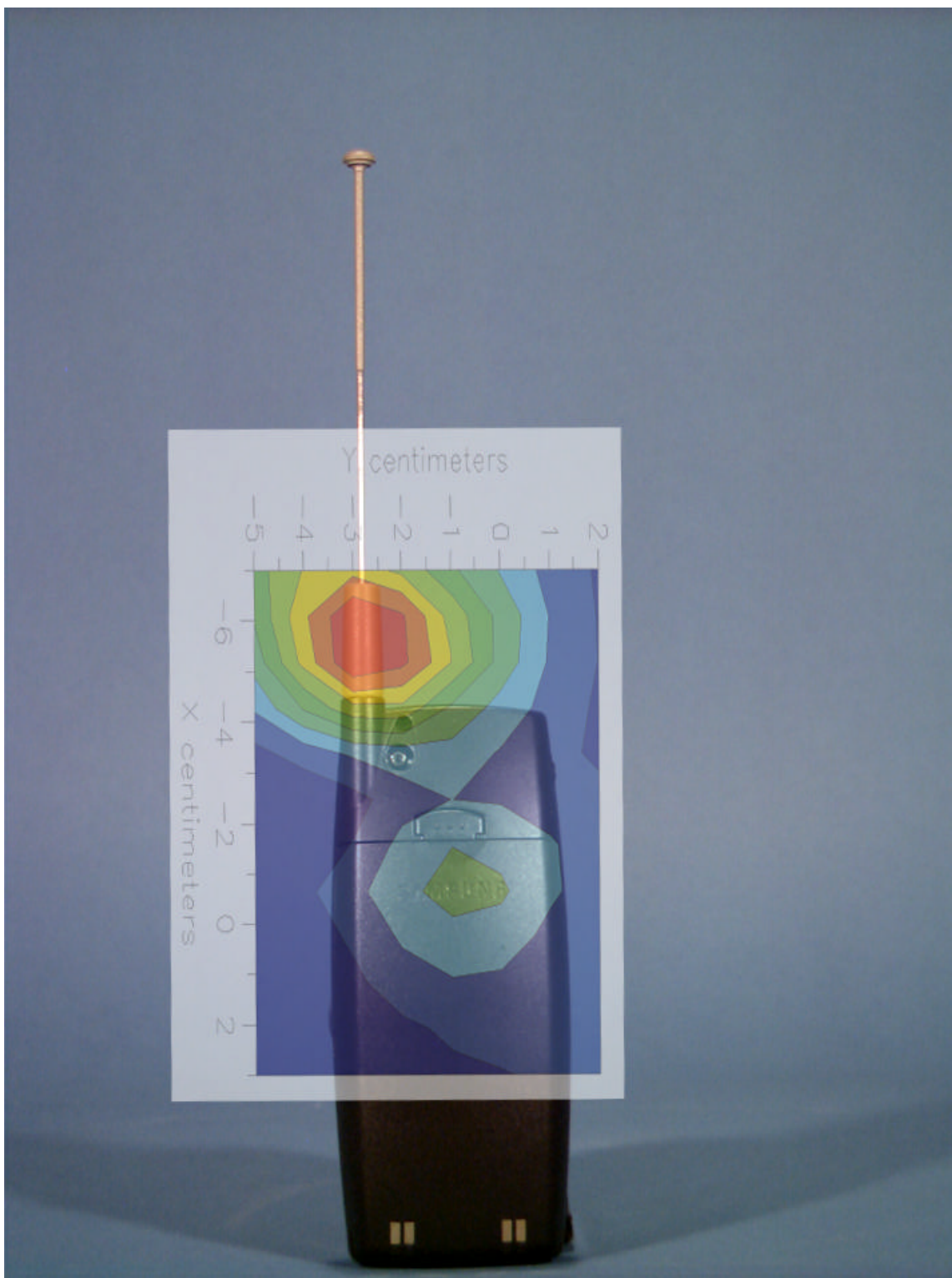


File : 01042007_ZOOM
Start : 20-Apr-101 11:11:02 am End : 20-Apr-101 11:23:01 am
SAMSUNG/SPH-N170/1;1908.75MHz;W;Helical/Out;
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/40.400/1.820



Peak SAR Location

1800 MHz Body SAR



File : c:/idx3/SYSTEM/SARMEAS3/data/Normal/01042021_ZOOM.VLT
Start : 20-Apr-101 05:41:59 pm End : 20-Apr-101 05:52:42 pm

Radio Type : SAMSUNG
Model Number : SPH-N170
Serial Number : 1
Frequency : 1851.25 MHz
Peak Trans. Pwr : 0.250 W
Start Trans. Pwr: 0.250 W
Antenna Type : Helical
Antenna Posn. : In
Phantom Type : Body
Phantom Posn. : Abdomen
Scan Type : ZOOM/SAR
Probe Name : PCTEST
Field Type : E Field
Orientation : 0 Degrees

Mixture Type = Muscle
Mixture Dielectric Constant = 54.200
Mixture Conductivity = 1.850

Comment :
SAMSUNG TRI-MODE PHONE - PCS MODE
CHAN 0025 Conducted 24.0 dBm
SAMSUNG TRI-MODE PHONE - BODY SAR

Robot : PCTEST

Probe Offset = 0.25 cm
Sensor Factor = 0.0108
Conversion Factor = 1.378

PCTEST Amplifier Channel Settings : 0.245 0.231 0.224

Max Location : X = -2.500, Y = -2.250, Z = 0.000 (cm) Value = 5.496

Measured Values (volts) =
5.374E-003 3.907E-003 2.667E-003 1.880E-003 1.331E-003 8.694E-004
5.636E-004 4.243E-004 3.087E-004 1.996E-004 8.658E-005 1.510E-005
0.000E+000 1.869E-006 2.333E-005 0.000E+000 0.000E+000 0.000E+000
0.000E+000 0.000E+000 0.000E+000

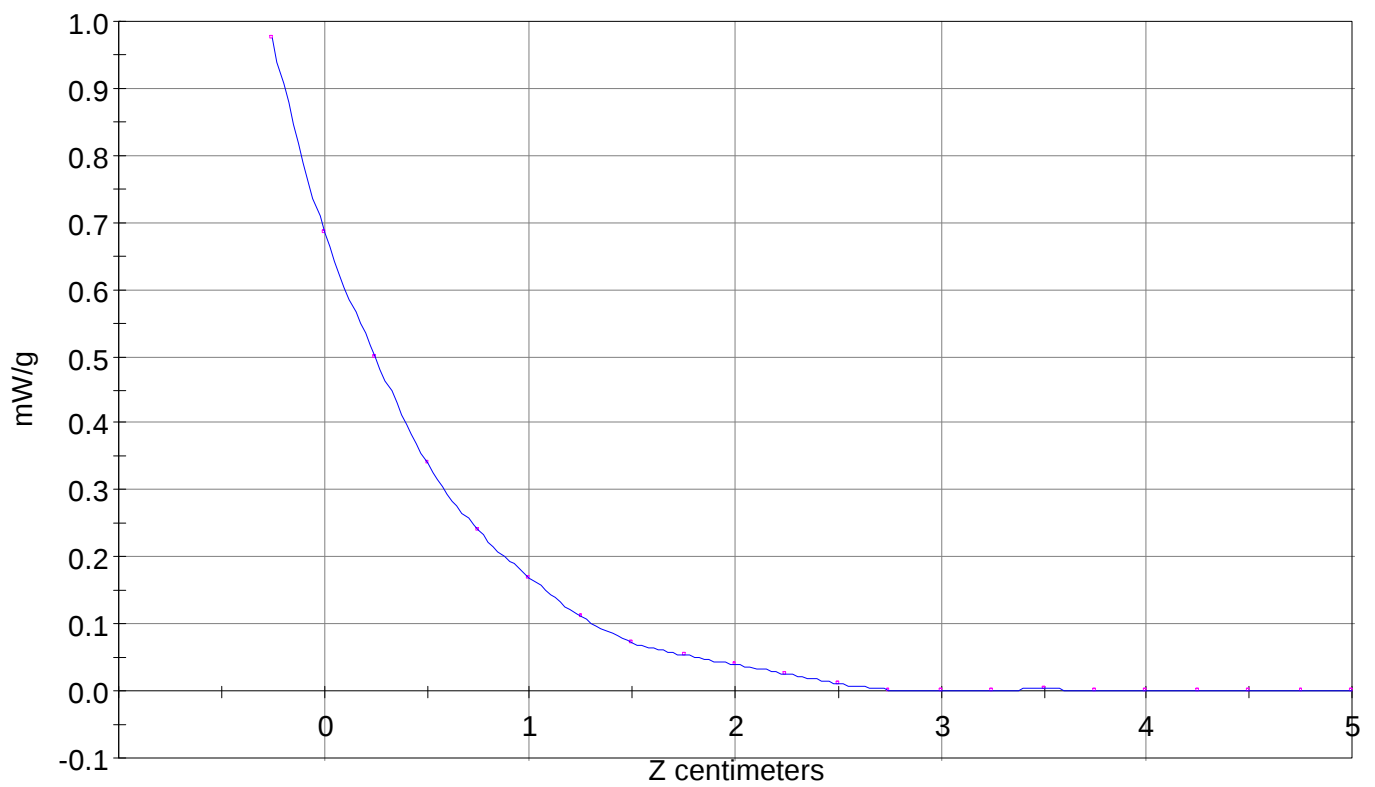
Calc. Voltage @ Surface (Vs) = 0.0076

Voltage @ 1.00 cm (Vt) = 0.0019

Ave. Voltage (Vs+Vt)/2 = 0.0048

Ave. SAR over 1 g (mW/g) = 0.6069

SAR Scan
File : 01042021_ZOOM
Start : 20-Apr-101 05:41:59 pm End : 20-Apr-101 05:52:42 pm
SAMSUNG/SPH-N170/1;1851.25MHz;W;Helical/In;
Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 DegreesMuscle/54.200/1.850

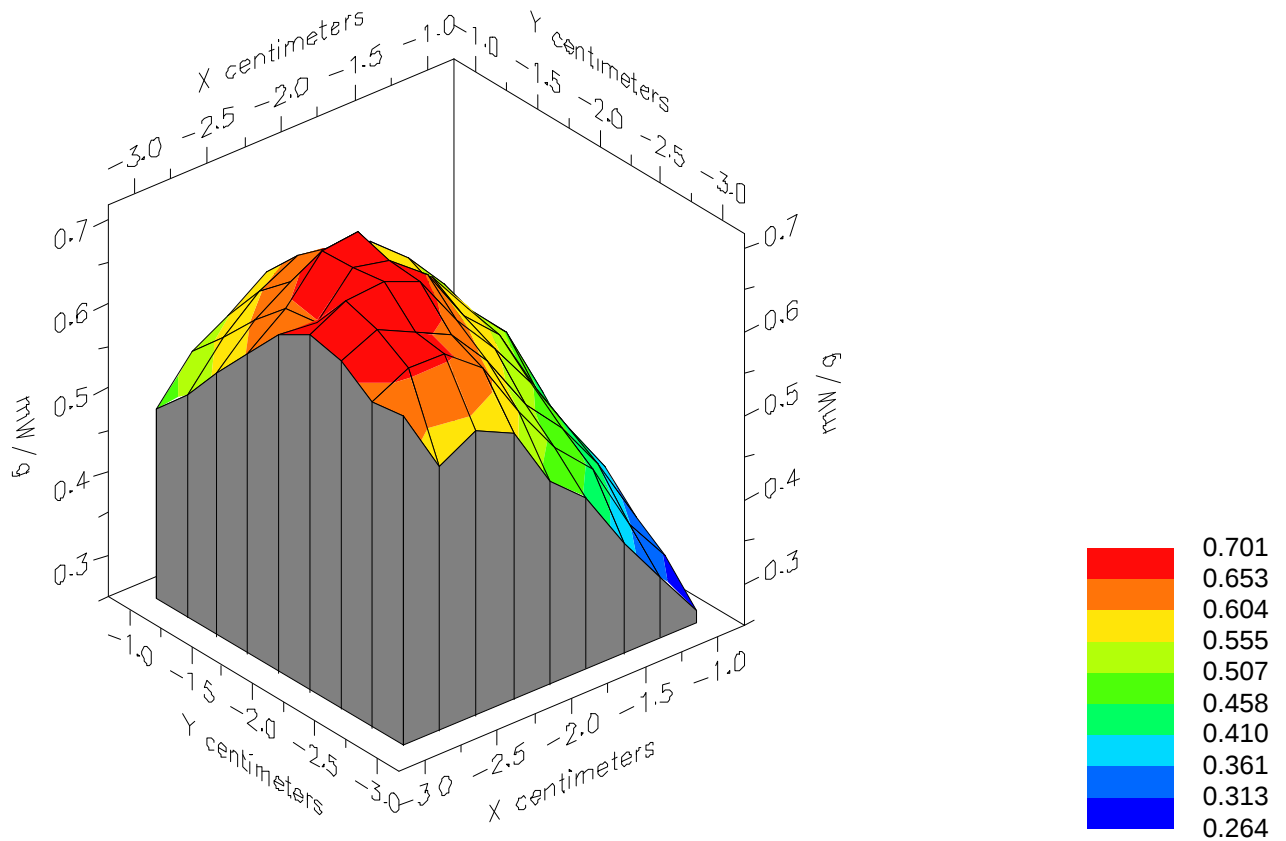


File : 01042021_ZOOM

Start : 20-Apr-101 05:41:59 pm End : 20-Apr-101 05:52:42 pm

SAMSUNG/SPH-N170/1;1851.25MHz;W;Helical/In;

Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 DegreesMuscle/54.200/1.850

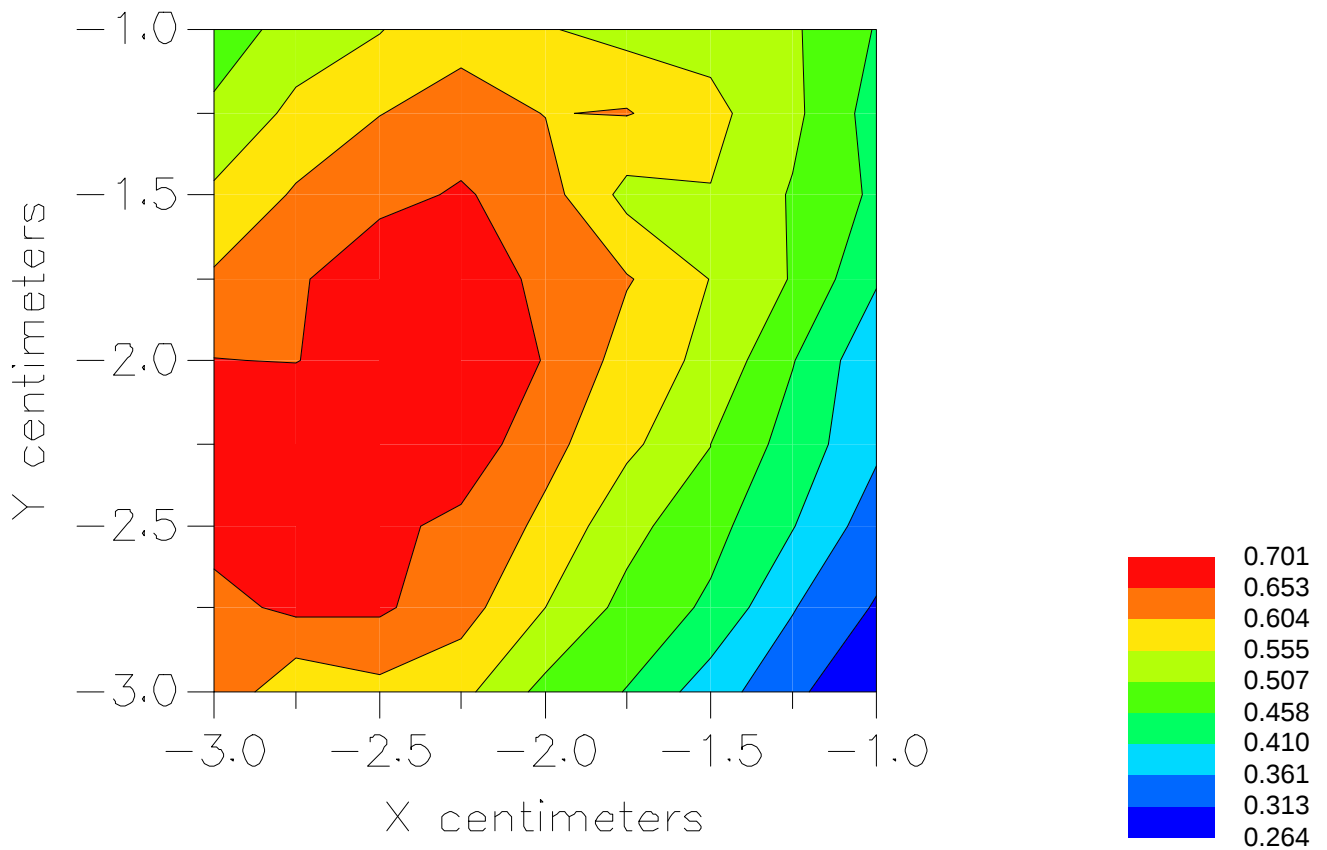


File : 01042021_ZOOM

Start : 20-Apr-101 05:41:59 pm End : 20-Apr-101 05:52:42 pm

SAMSUNG/SPH-N170/1;1851.25MHz;W;Helical/In;

Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 DegreesMuscle/54.200/1.850



File : c:/idx3/SYSTEM/SARMEAS3/data/Normal/01042020_ZOOM.VLT
Start : 20-Apr-101 05:23:14 pm End : 20-Apr-101 05:32:37 pm

Radio Type : SAMSUNG
Model Number : SPH-N170
Serial Number : 1
Frequency : 1851.25 MHz
Peak Trans. Pwr : 0.250 W
Start Trans. Pwr: 0.250 W
Antenna Type : Helical
Antenna Posn. : Out
Phantom Type : Body
Phantom Posn. : Abdomen
Scan Type : ZOOM/SAR
Probe Name : PCTEST
Field Type : E Field
Orientation : 0 Degrees

Mixture Type = Muscle
Mixture Dielectric Constant = 54.200
Mixture Conductivity = 1.850

Comment :
SAMSUNG TRI-MODE PHONE - PCS MODE
CHAN 0025 Conducted 24.0 dBm
SAMSUNG TRI-MODE PHONE - BODY SAR

Robot : PCTEST

Probe Offset = 0.25 cm
Sensor Factor = 0.0108
Conversion Factor = 1.378

PCTEST Amplifier Channel Settings : 0.245 0.231 0.224

Max Location : X = -5.750, Y = -3.250, Z = 0.000 (cm) Value = 10.585

Measured Values (volts) =
1.048E-002 8.960E-003 6.226E-003 4.702E-003 3.714E-003 2.601E-003
1.337E-003 5.628E-004 6.042E-004 1.141E-003 1.304E-003 1.335E-003
1.642E-003 3.594E-004 2.157E-004 8.101E-005 7.400E-005 1.618E-005
2.538E-006 0.000E+000 3.165E-005

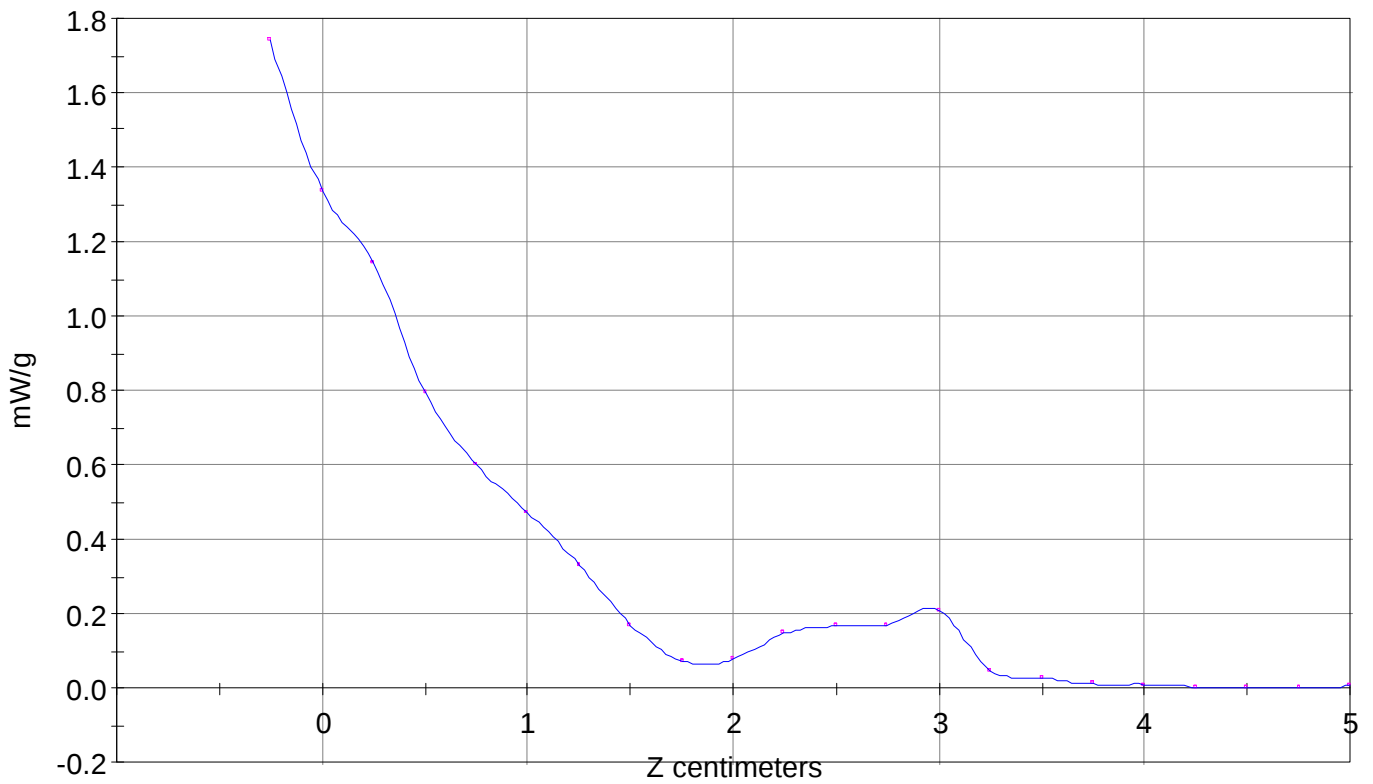
Calc. Voltage @ Surface (Vs) = 0.0137

Voltage @ 1.00 cm (Vt) = 0.0047

Ave. Voltage (Vs+Vt)/2 = 0.0092

Ave. SAR over 1 g (mW/g) = 1.1715

SAR Scan
File : 01042020_ZOOM
Start : 20-Apr-101 05:23:14 pm End : 20-Apr-101 05:32:37 pm
SAMSUNG/SPH-N170/1;1851.25MHz;W;Helical/Out;
Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 DegreesMuscle/54.200/1.850

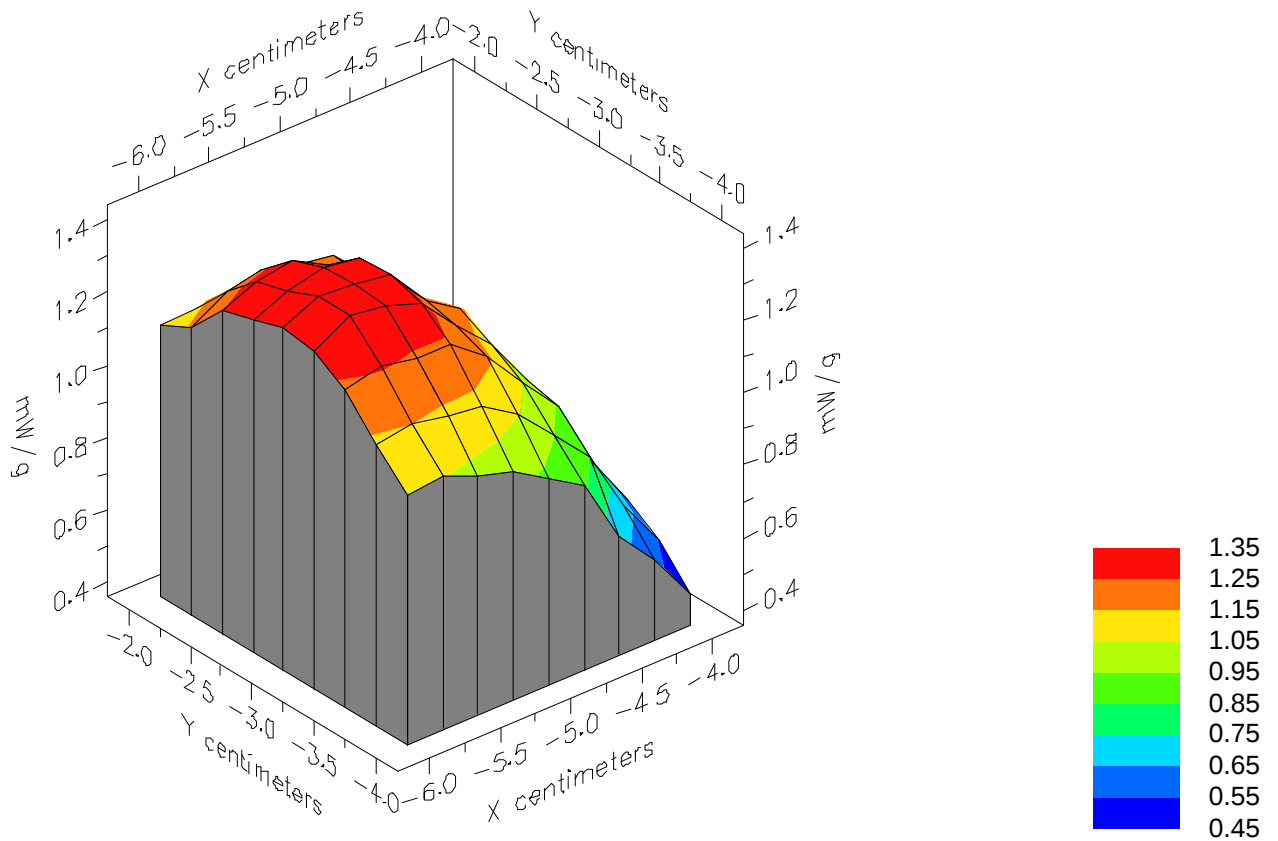


File : 01042020_ZOOM

Start : 20-Apr-101 05:23:14 pm End : 20-Apr-101 05:32:37 pm

SAMSUNG/SPH-N170/1;1851.25MHz;W;Helical/Out;

Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 DegreesMuscle/54.200/1.850

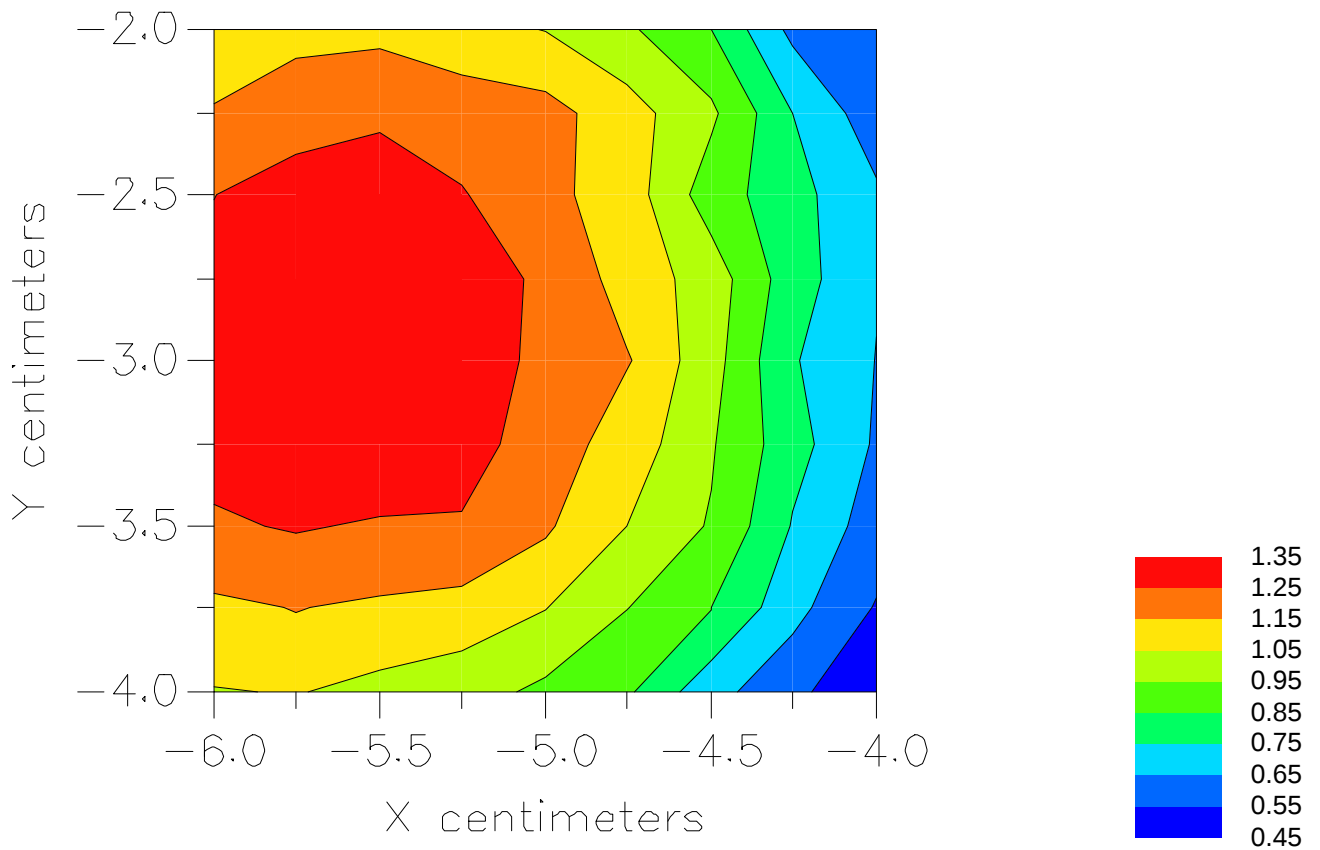


File : 01042020_ZOOM

Start : 20-Apr-101 05:23:14 pm End : 20-Apr-101 05:32:37 pm

SAMSUNG/SPH-N170/1;1851.25MHz;W;Helical/Out;

Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 DegreesMuscle/54.200/1.850



File : c:/idx3/SYSTEM/SARMEAS3/data/Normal/01042301_ZOOM.VLT
Start : 23-Apr-101 09:38:03 am End : 23-Apr-101 09:45:24 am

Radio Type : SAMSUNG
Model Number : SPH-N170
Serial Number : 1
Frequency : 1880.00 MHz
Peak Trans. Pwr : 0.250 W
Start Trans. Pwr: 0.250 W
Antenna Type : Helical
Antenna Posn. : In
Phantom Type : Body
Phantom Posn. : Abdomen
Scan Type : ZOOM/SAR
Probe Name : PCTEST
Field Type : E Field
Orientation : 0 Degrees

Mixture Type = Muscle
Mixture Dielectric Constant = 54.200
Mixture Conductivity = 1.850

Comment :
SAMSUNG TRI-MODE PHONE - PCS MODE
CHAN 0600 Conducted 24.0 dBm
SAMSUNG TRI-MODE PHONE - BODY SAR

Robot : PCTEST

Probe Offset = 0.25 cm
Sensor Factor = 0.0108
Conversion Factor = 1.378

PCTEST Amplifier Channel Settings : 0.245 0.231 0.224

Max Location : X = -2.750, Y = -2.000, Z = 0.000 (cm) Value = 4.254

Measured Values (volts) =
3.929E-003 3.325E-003 2.173E-003 1.497E-003 1.107E-003 8.858E-004
5.800E-004 4.691E-004 4.010E-004 3.005E-004 2.397E-004 1.559E-004
7.503E-005 7.921E-005 9.820E-005 3.902E-005 0.000E+000 3.045E-005
0.000E+000 0.000E+000 0.000E+000

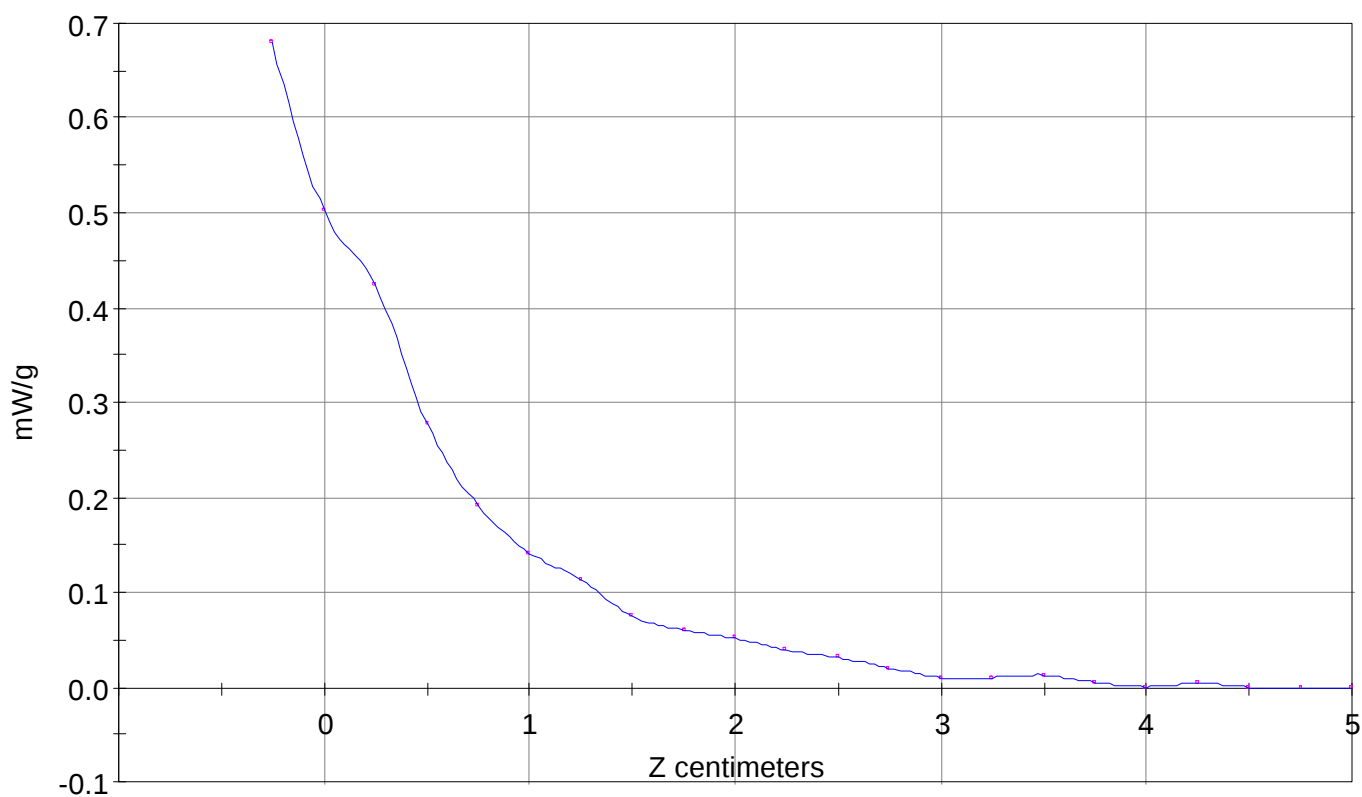
Calc. Voltage @ Surface (Vs) = 0.0053

Voltage @ 1.00 cm (Vt) = 0.0015

Ave. Voltage (Vs+Vt)/2 = 0.0034

Ave. SAR over 1 g (mW/g) = 0.4354

SAR Scan
File : 01042301_ZOOM
Start : 23-Apr-101 09:38:03 am End : 23-Apr-101 09:45:24 am
SAMSUNG/SPH-N170/1;1880.00MHz;W;Helical/In;
Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 DegreesMuscle/54.200/1.850

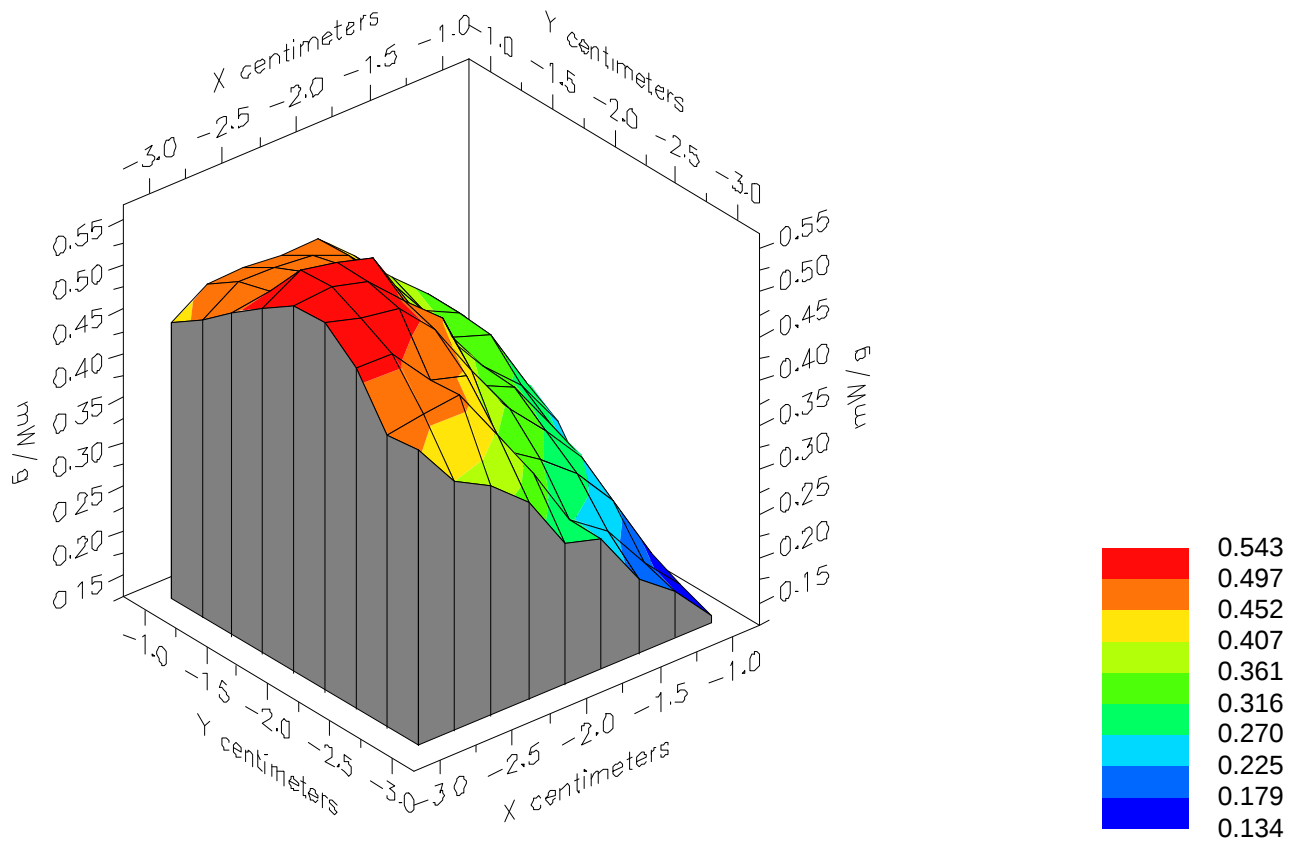


File : 01042301_ZOOM

Start : 23-Apr-101 09:38:03 am End : 23-Apr-101 09:45:24 am

SAMSUNG/SPH-N170/1;1880.00MHz;W;Helical/In;

Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 DegreesMuscle/54.200/1.850

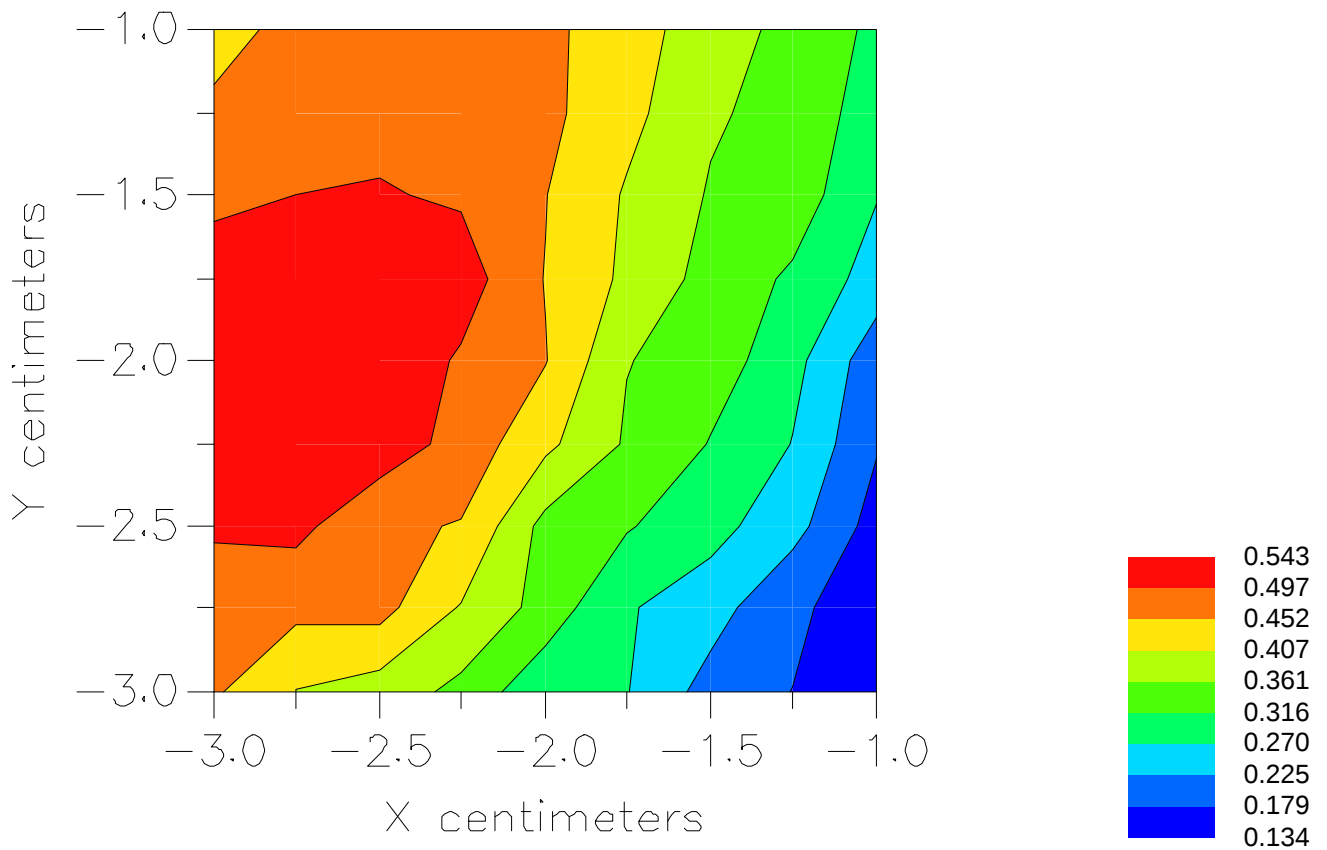


File : 01042301_ZOOM

Start : 23-Apr-101 09:38:03 am End : 23-Apr-101 09:45:24 am

SAMSUNG/SPH-N170/1;1880.00MHz;W;Helical/In;

Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 DegreesMuscle/54.200/1.850



File : c:/idx3/SYSTEM/SARMEAS3/data/Normal/01042512_ZOOM.VLT
Start : 25-Apr-101 01:26:47 pm End : 25-Apr-101 01:31:59 pm

Radio Type : SAMSUNG
Model Number : SPH-N170
Serial Number : 1
Frequency : 1880.00 MHz
Peak Trans. Pwr : 0.250 W
Start Trans. Pwr: 0.250 W
Antenna Type : Helical
Antenna Posn. : Out
Phantom Type : Body
Phantom Posn. : Abdomen
Scan Type : ZOOM/SAR
Probe Name : PCTEST
Field Type : E Field
Orientation : 0 Degrees

Mixture Type = Muscle
Mixture Dielectric Constant = 54.200
Mixture Conductivity = 1.850

Comment :
SAMSUNG TRI-MODE PHONE - PCS MODE
CHAN 0600 24.0 dBm Conducted
SAMSUNG TRI-MODE PHONE - BODY SAR

Robot : PCTEST

Probe Offset = 0.25 cm
Sensor Factor = 0.0108
Conversion Factor = 1.378

PCTEST Amplifier Channel Settings : 0.245 0.231 0.224

Max Location : X = -6.750, Y = -3.250, Z = 0.000 (cm) Value = 8.087

Measured Values (volts) =
7.863E-003 6.189E-003 4.553E-003 3.649E-003 2.925E-003 1.861E-003
8.375E-004 5.016E-004 8.311E-004 1.247E-003 1.249E-003 1.490E-003
5.450E-004 3.689E-004 2.558E-004 2.216E-004 1.778E-004 1.430E-004
1.247E-004 8.952E-005 8.062E-005

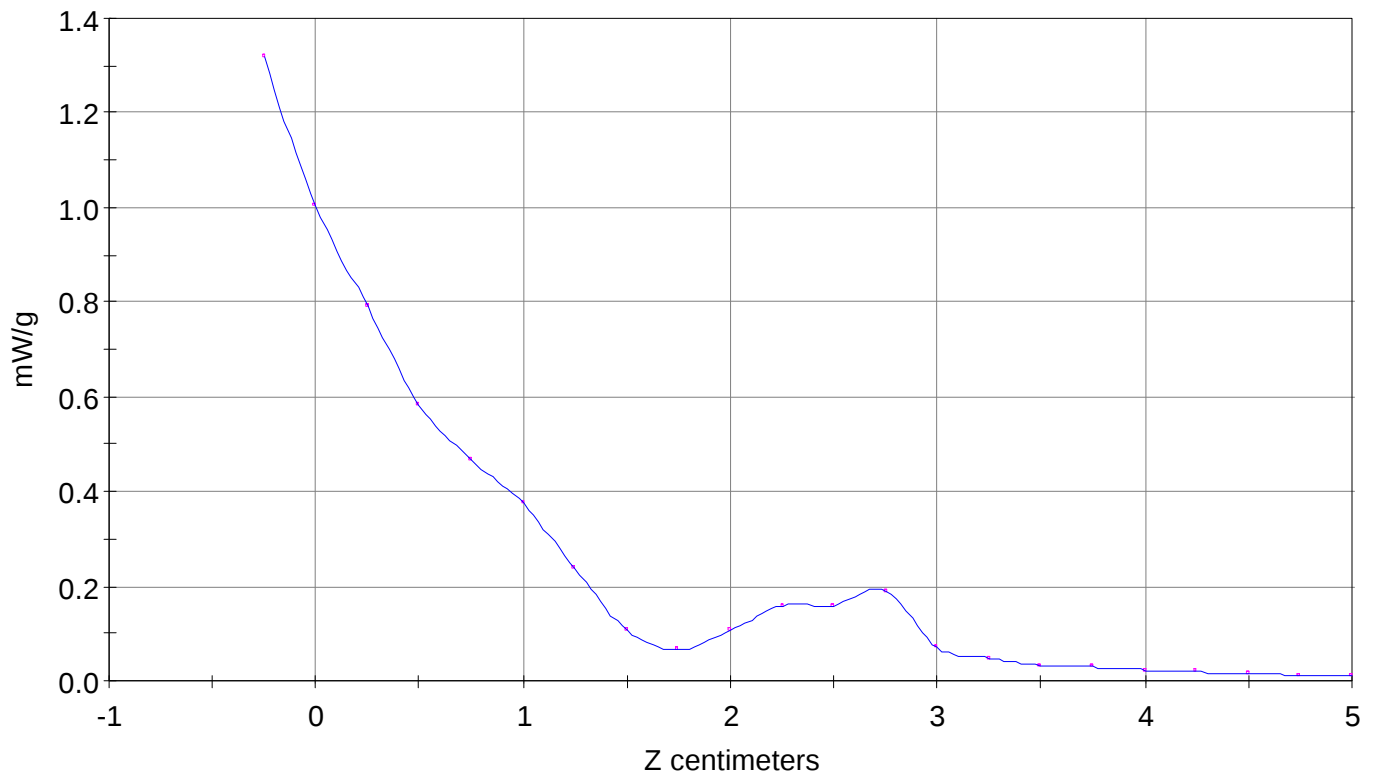
Calc. Voltage @ Surface (Vs) = 0.0103

Voltage @ 1.00 cm (Vt) = 0.0036

Ave. Voltage (Vs+Vt)/2 = 0.0070

Ave. SAR over 1 g (mW/g) = 0.8924

SAR Scan
File : 01042512_ZOOM
Start : 25-Apr-101 01:26:47 pm End : 25-Apr-101 01:31:59 pm
SAMSUNG/SPH-N170/1;1880.00MHz;W;Helical/Out;
Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 DegreesMuscle/54.200/1.850

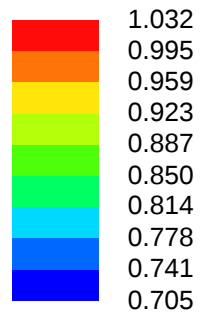
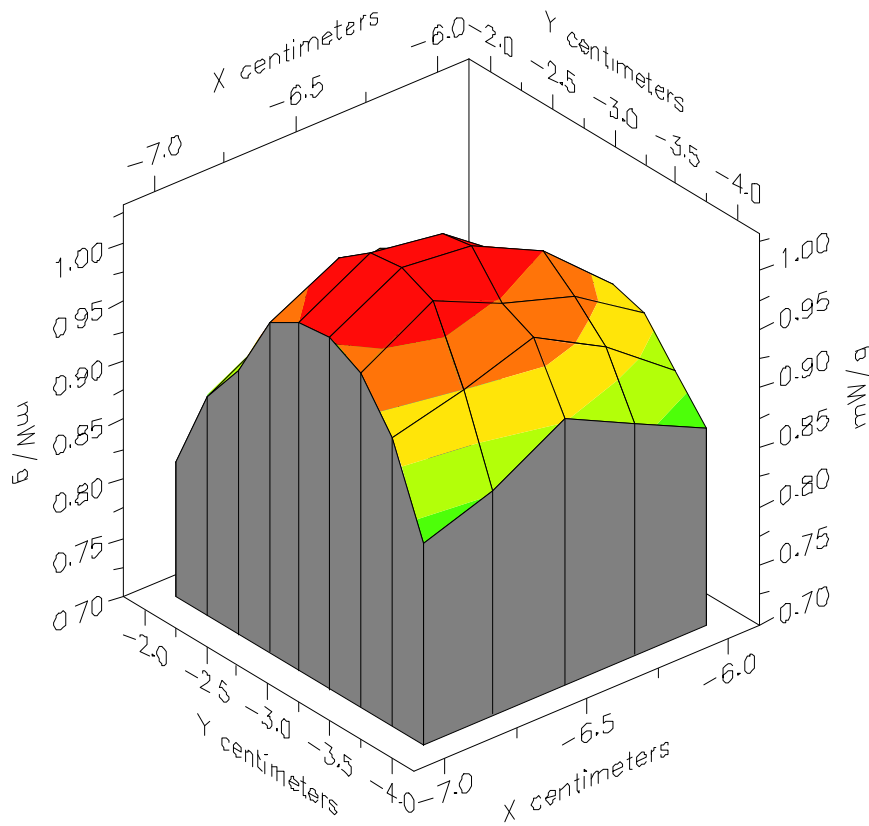


File : 01042512_ZOOM

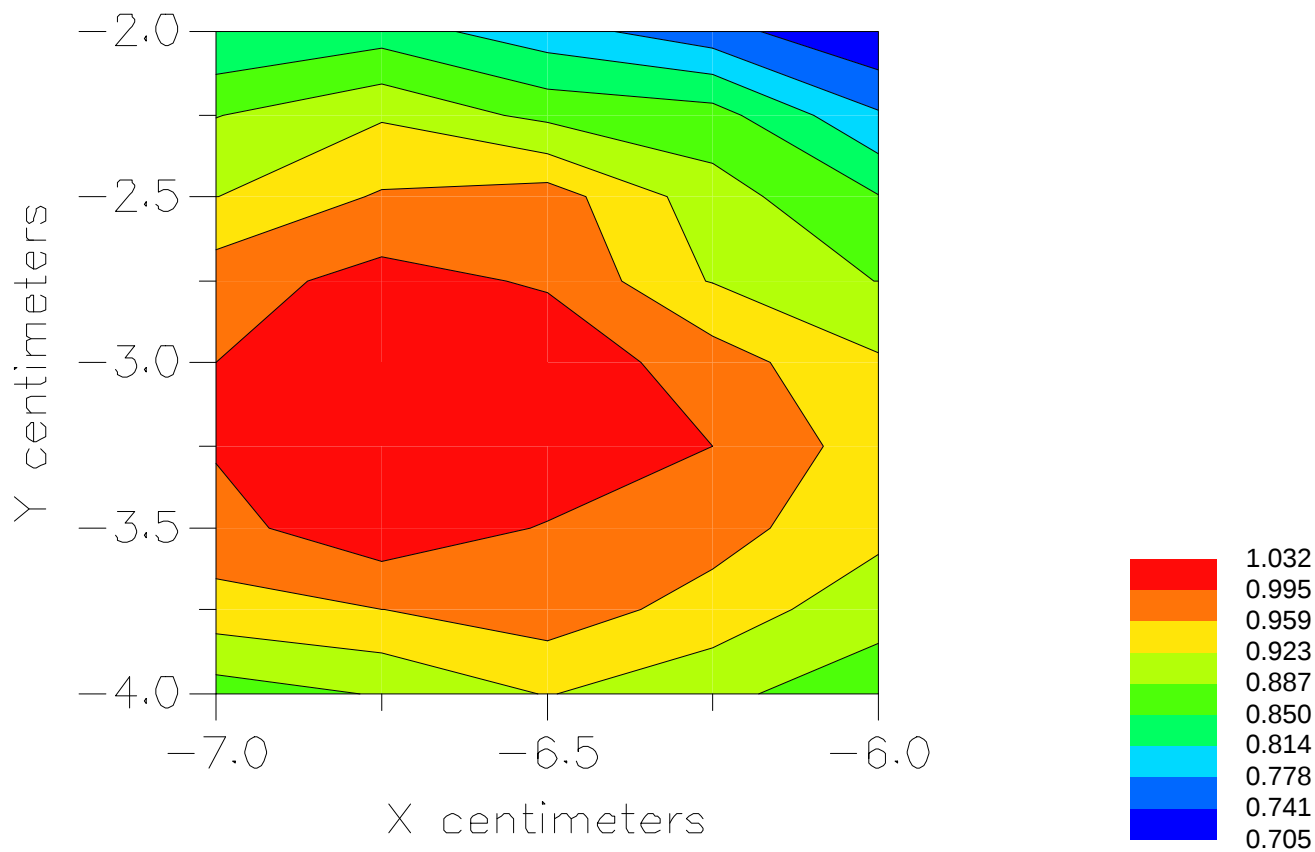
Start : 25-Apr-101 01:26:47 pm End : 25-Apr-101 01:31:59 pm

SAMSUNG/SPH-N170/1;1880.00MHz;W;Helical/Out;

Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 DegreesMuscle/54.200/1.850



File : 01042512_ZOOM
Start : 25-Apr-101 01:26:47 pm End : 25-Apr-101 01:31:59 pm
SAMSUNG/SPH-N170/1;1880.00MHz;W;Helical/Out;
Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 DegreesMuscle/54.200/1.850



File : c:/idx3/SYSTEM/SARMEAS3/data/Normal/01042514_ZOOM.VLT
Start : 25-Apr-101 02:03:54 pm End : 25-Apr-101 02:13:23 pm

Radio Type : SAMSUNG
Model Number : SPH-N170
Serial Number : 1
Frequency : 1908.75 MHz
Peak Trans. Pwr : 0.250 W
Start Trans. Pwr: 0.250 W
Antenna Type : Helical
Antenna Posn. : In
Phantom Type : Body
Phantom Posn. : Abdomen
Scan Type : ZOOM/SAR
Probe Name : PCTEST
Field Type : E Field
Orientation : 0 Degrees

Mixture Type = Muscle
Mixture Dielectric Constant = 54.200
Mixture Conductivity = 1.850

Comment :
SAMSUNG TRI-MODE PHONE - PCS MODE
CHAN 1175 24.0 dBm Conducted
SAMSUNG TRI-MODE PHONE - BODY SAR

Robot : PCTEST

Probe Offset = 0.25 cm
Sensor Factor = 0.0108
Conversion Factor = 1.378

PCTEST Amplifier Channel Settings : 0.245 0.231 0.224

Max Location : X = -3.750, Y = -3.000, Z = 0.000 (cm) Value = 3.507

Measured Values (volts) =
3.431E-003 2.512E-003 1.737E-003 1.197E-003 8.920E-004 6.258E-004
4.283E-004 3.744E-004 2.885E-004 2.043E-004 1.373E-004 8.486E-005
9.158E-005 8.217E-005 2.692E-005 7.755E-006 1.643E-005 0.000E+000
0.000E+000 0.000E+000 0.000E+000

Calc. Voltage @ Surface (Vs) = 0.0048

Voltage @ 1.00 cm (Vt) = 0.0012

Ave. Voltage (Vs+Vt)/2 = 0.0030

Ave. SAR over 1 g (mW/g) = 0.3841

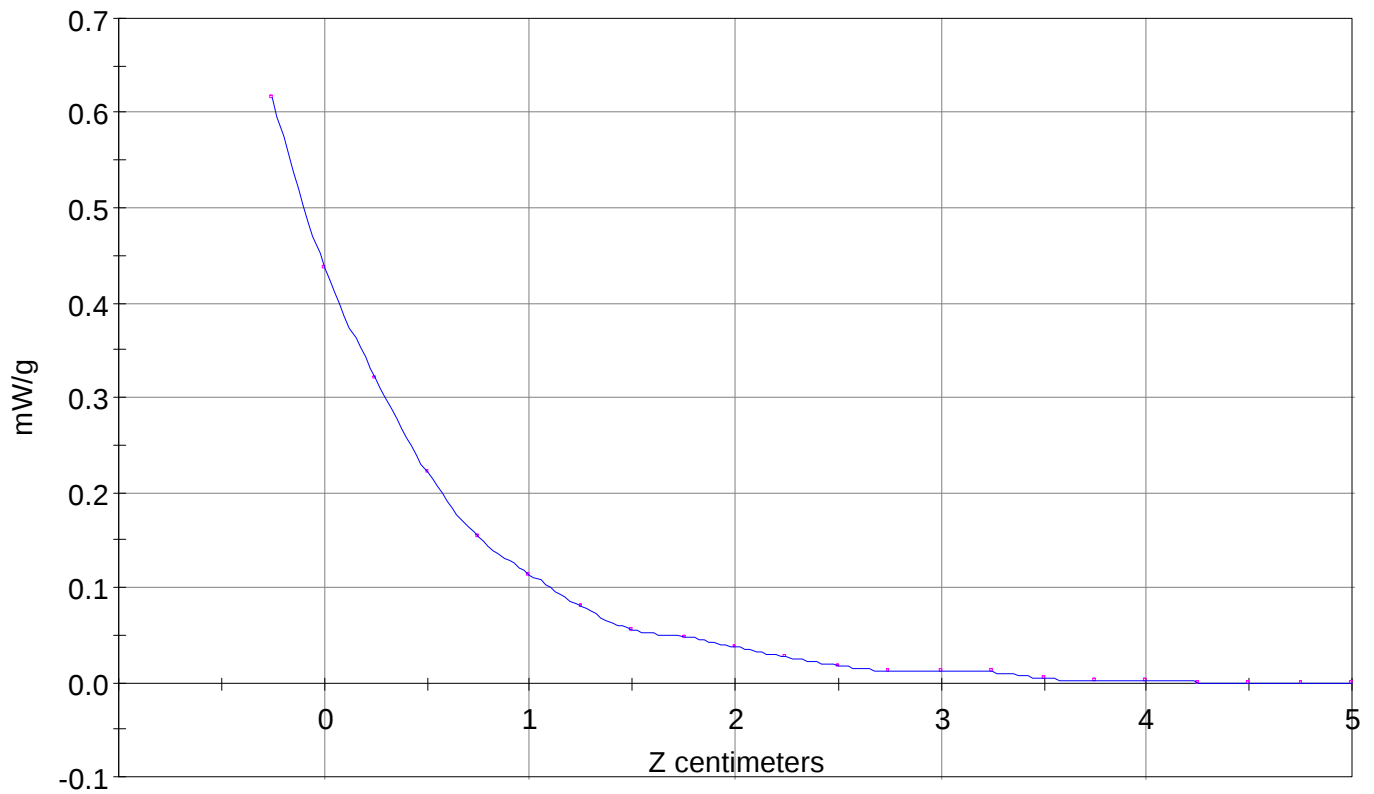
SAR Scan

File : 01042514_ZOOM

Start : 25-Apr-101 02:03:54 pm End : 25-Apr-101 02:13:23 pm

SAMSUNG/SPH-N170/1;1908.75MHz;W;Helical/In;

Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 DegreesMuscle/54.200/1.850

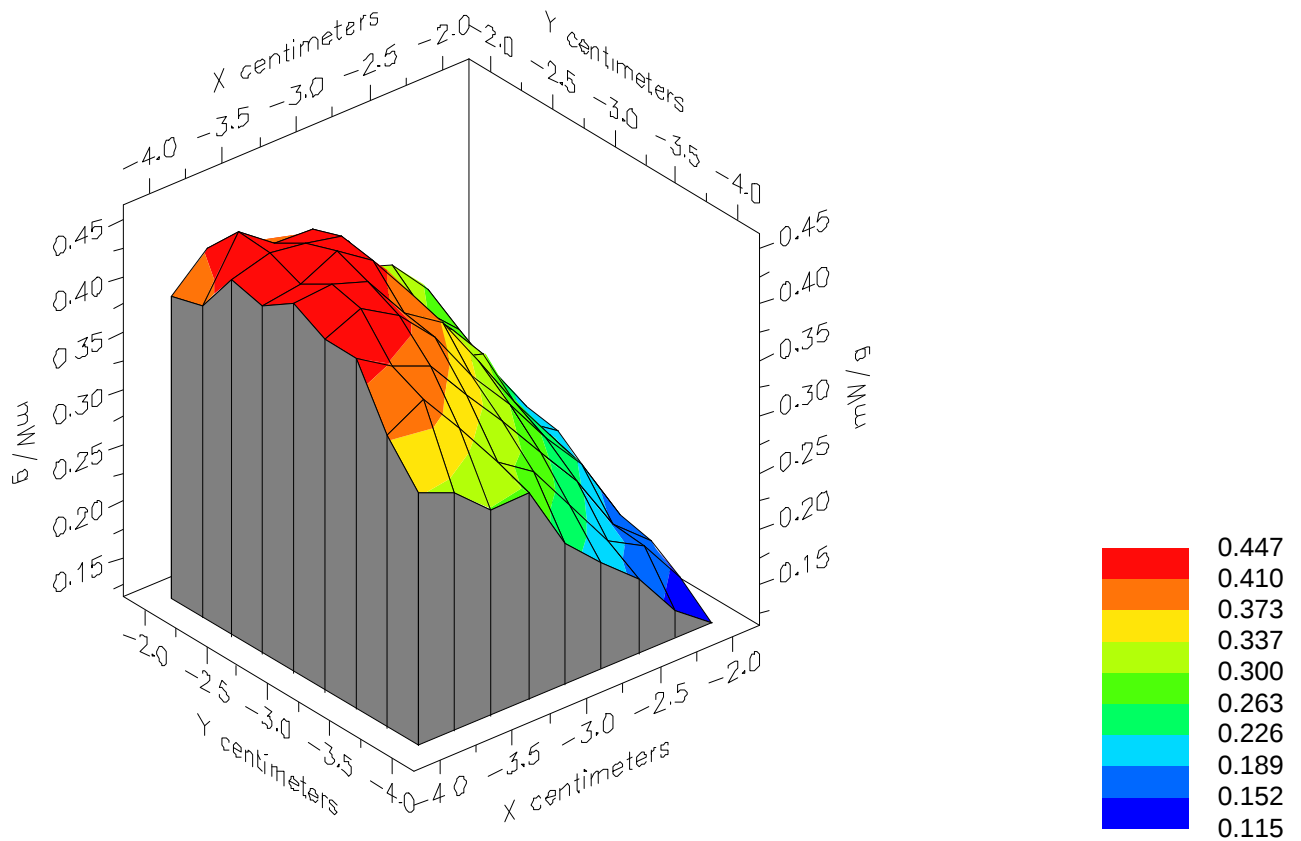


File : 01042514_ZOOM

Start : 25-Apr-101 02:03:54 pm End : 25-Apr-101 02:13:23 pm

SAMSUNG/SPH-N170/1;1908.75MHz;W;Helical/In;

Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 DegreesMuscle/54.200/1.850



File : 01042514_ZOOM

Start : 25-Apr-101 02:03:54 pm End : 25-Apr-101 02:13:23 pm

SAMSUNG/SPH-N170/1;1908.75MHz;W;Helical/In;

Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 DegreesMuscle/54.200/1.850

