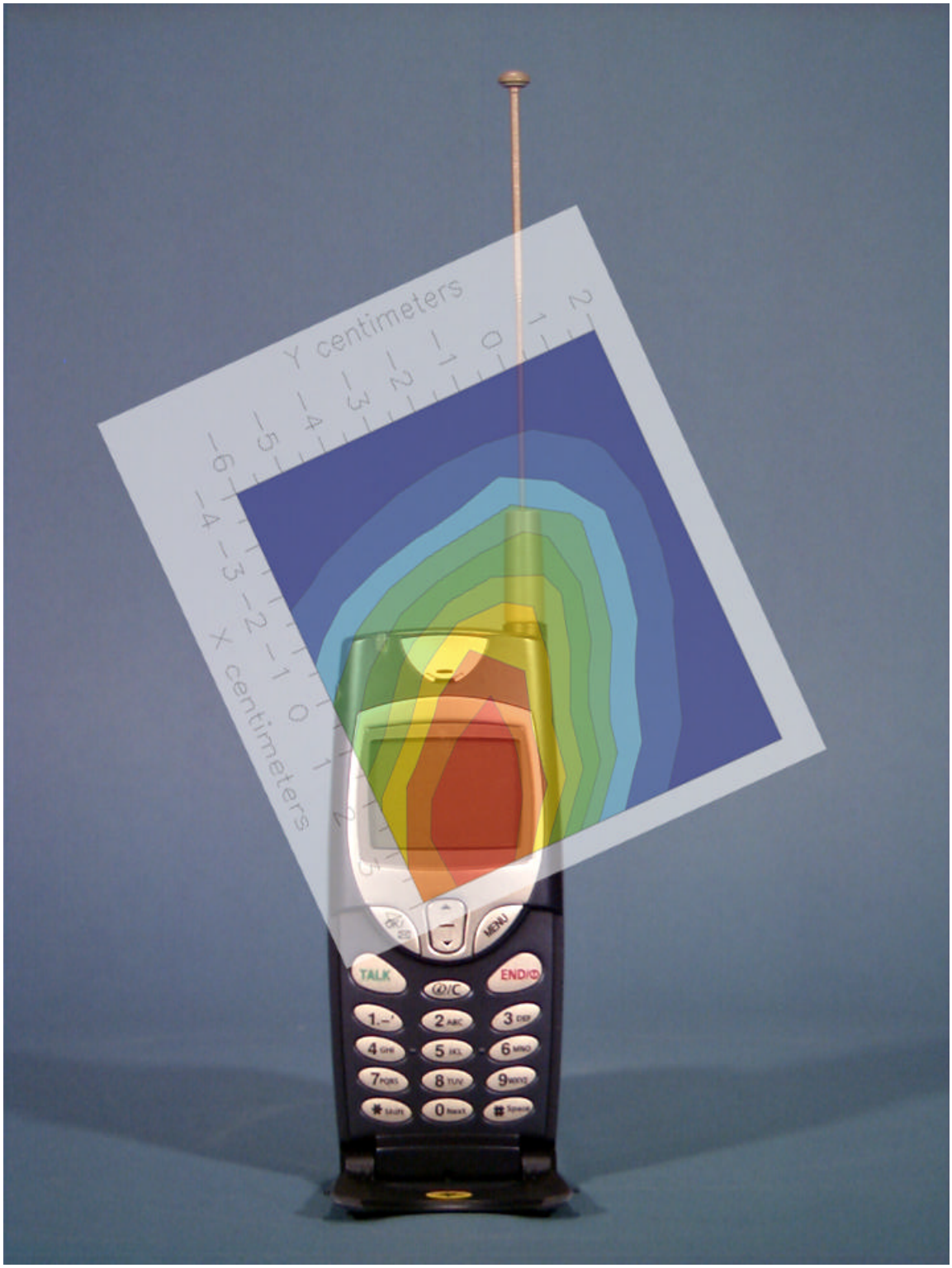
800 MHz Head SAR



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			

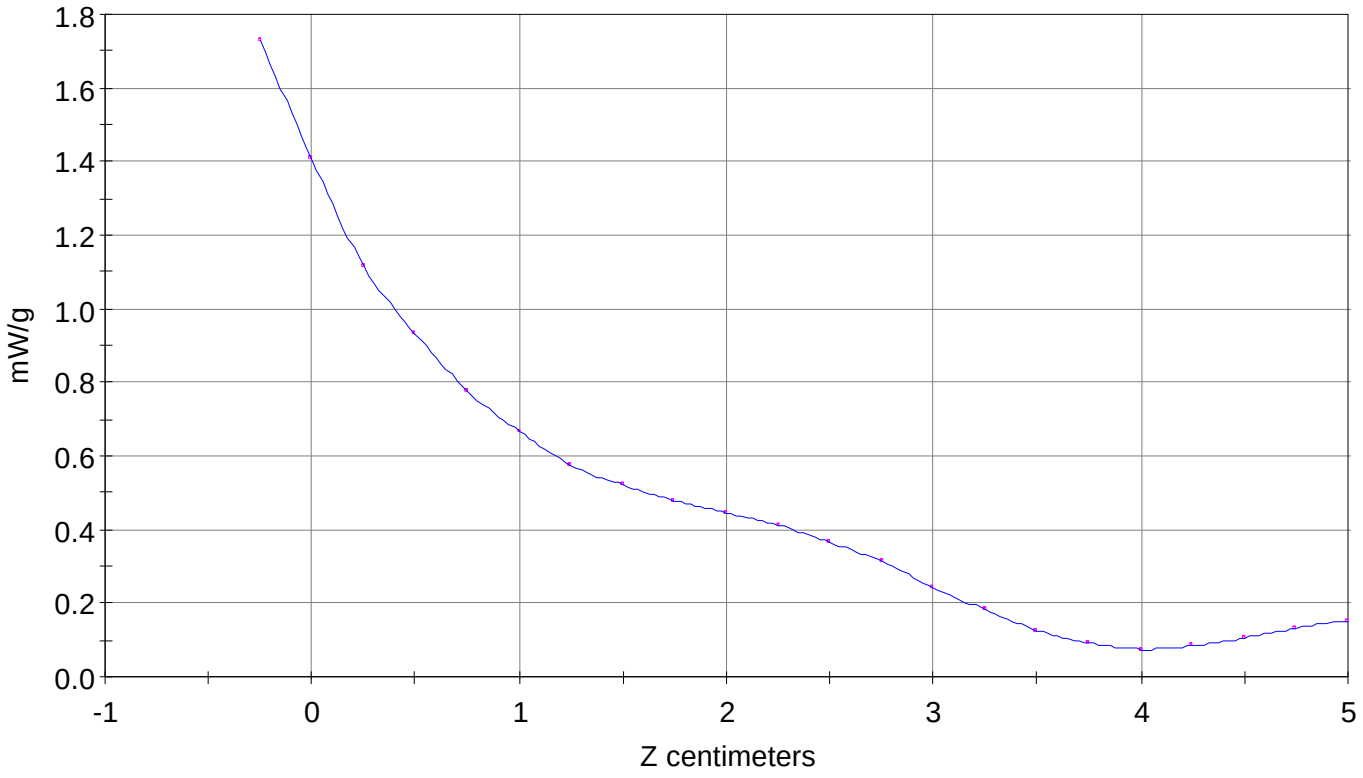
Calc. Voltage @ Surface (Vs) = 0.0237

Voltage @ 1.00 cm (Vt) = 0.0107

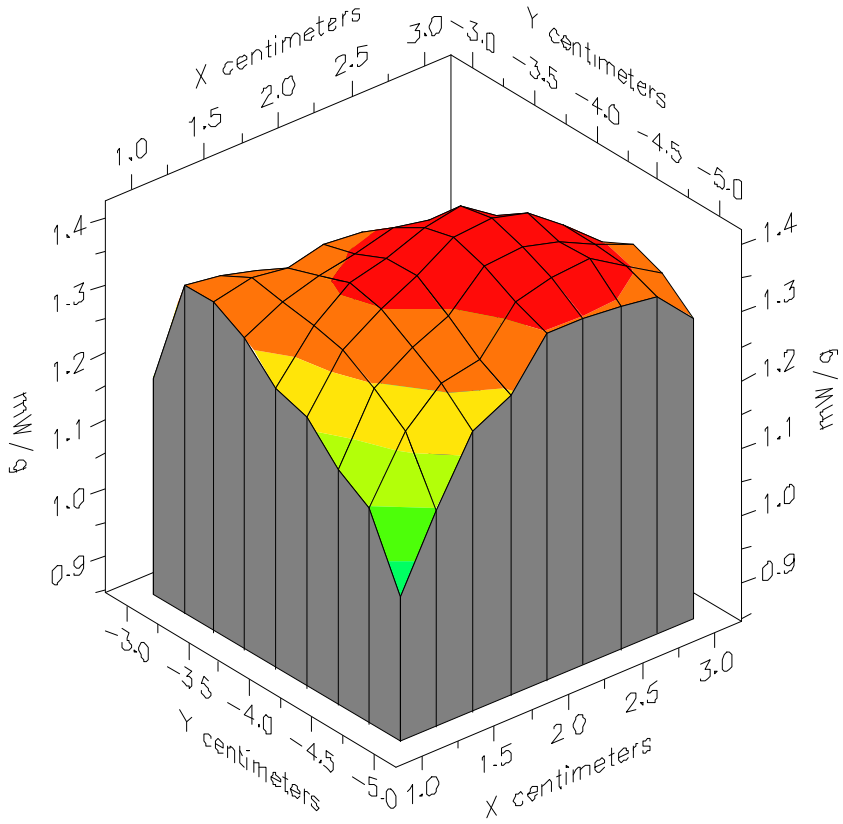
Ave. Voltage (Vs+Vt)/2 = 0.0172

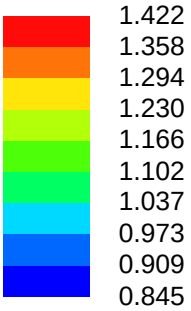
Ave. SAR over 1 g (mW/g) = 1.2529

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

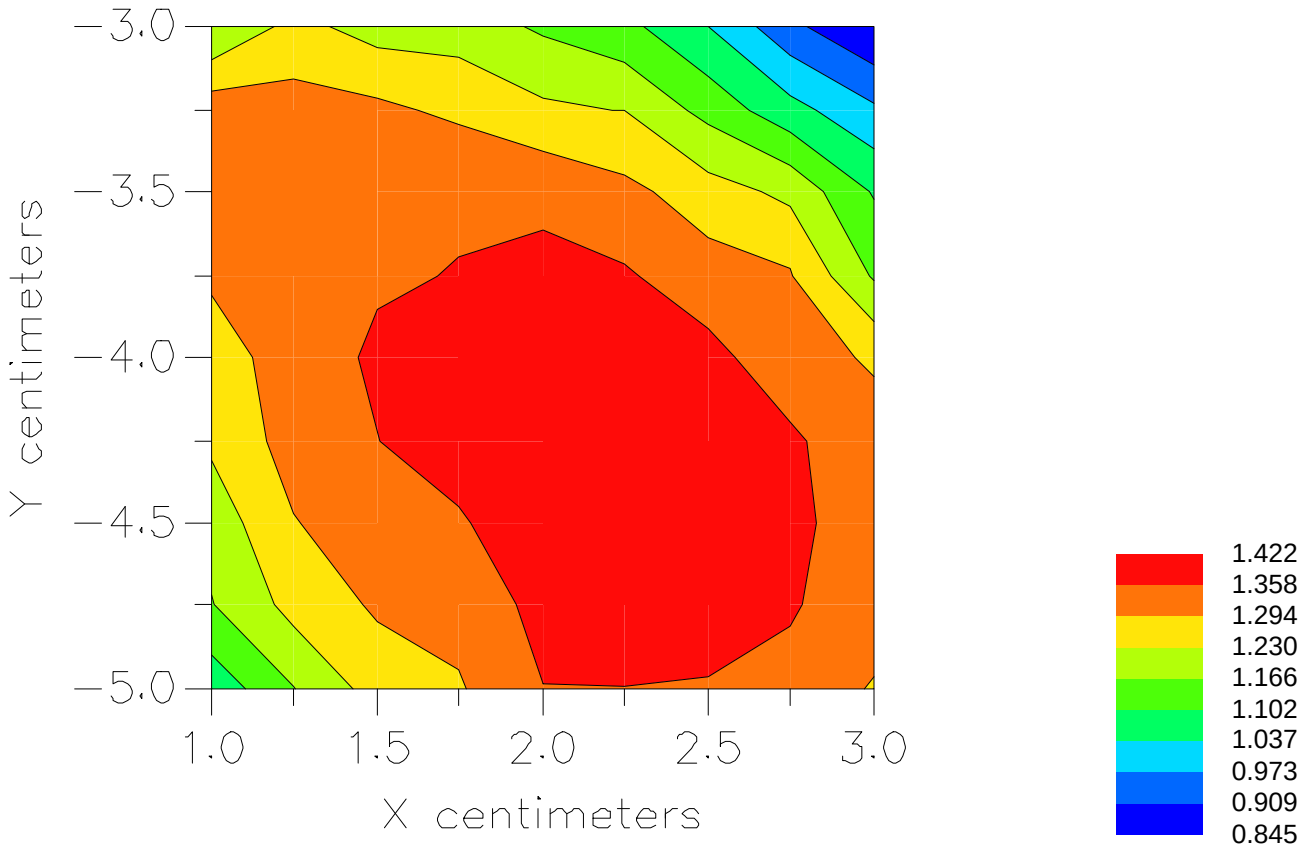


File : 01041912_ZOOM
Start : 19-Apr-101 03:43:38 pm End : 19-Apr-101 03:54:14 pm
SAMSUNG/SPH-N170/1;824.04MHz;W;Helical/In;
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/41.500/0.900





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			

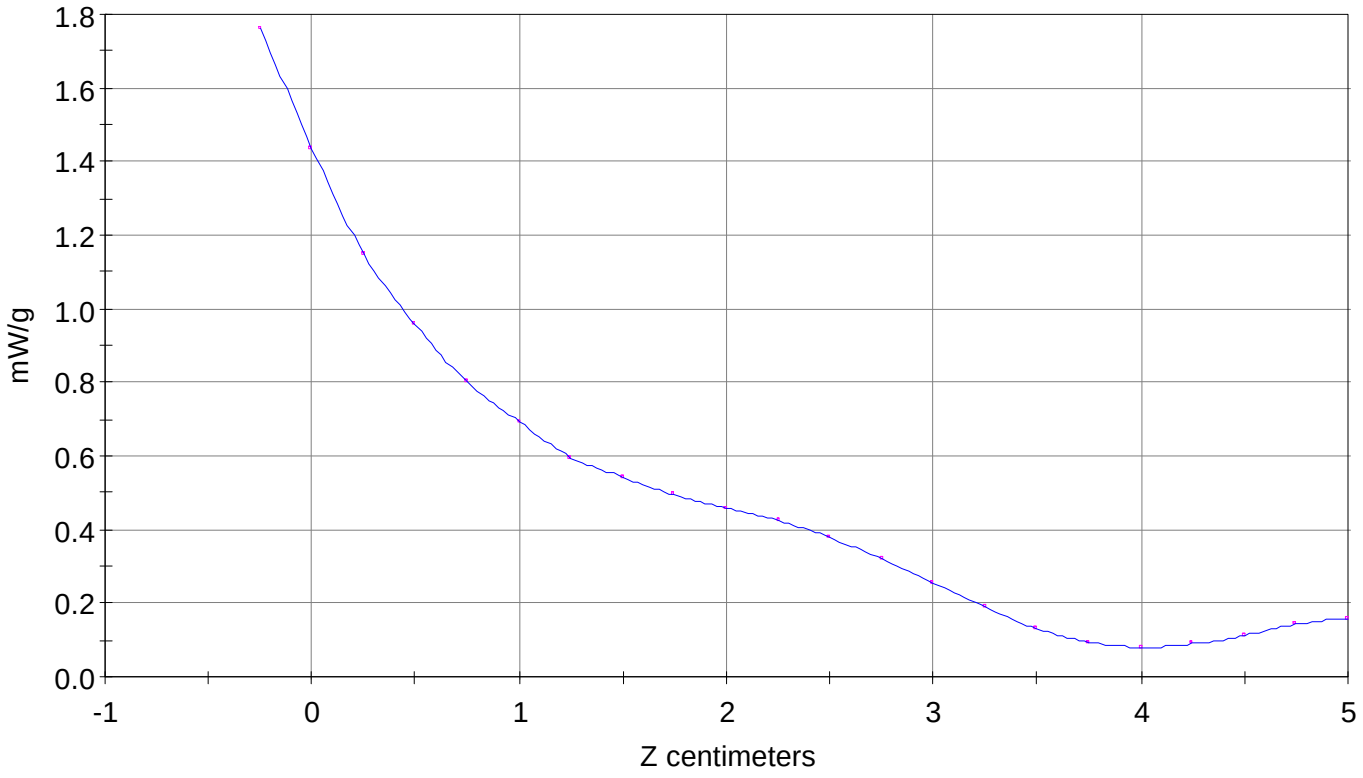
Calc. Voltage @ Surface (Vs) = 0.0242

Voltage @ 1.00 cm (Vt) = 0.0110

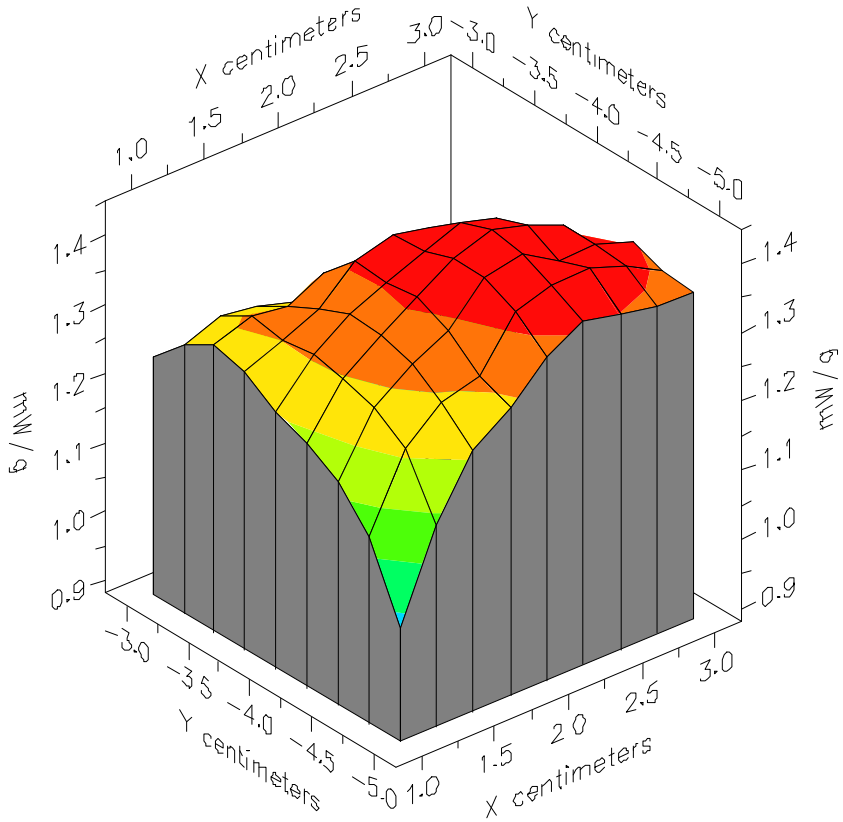
Ave. Voltage (Vs+Vt)/2 = 0.0176

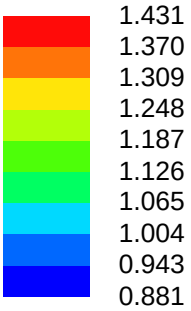
Ave. SAR over 1 g (mW/g) = 1.2813

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

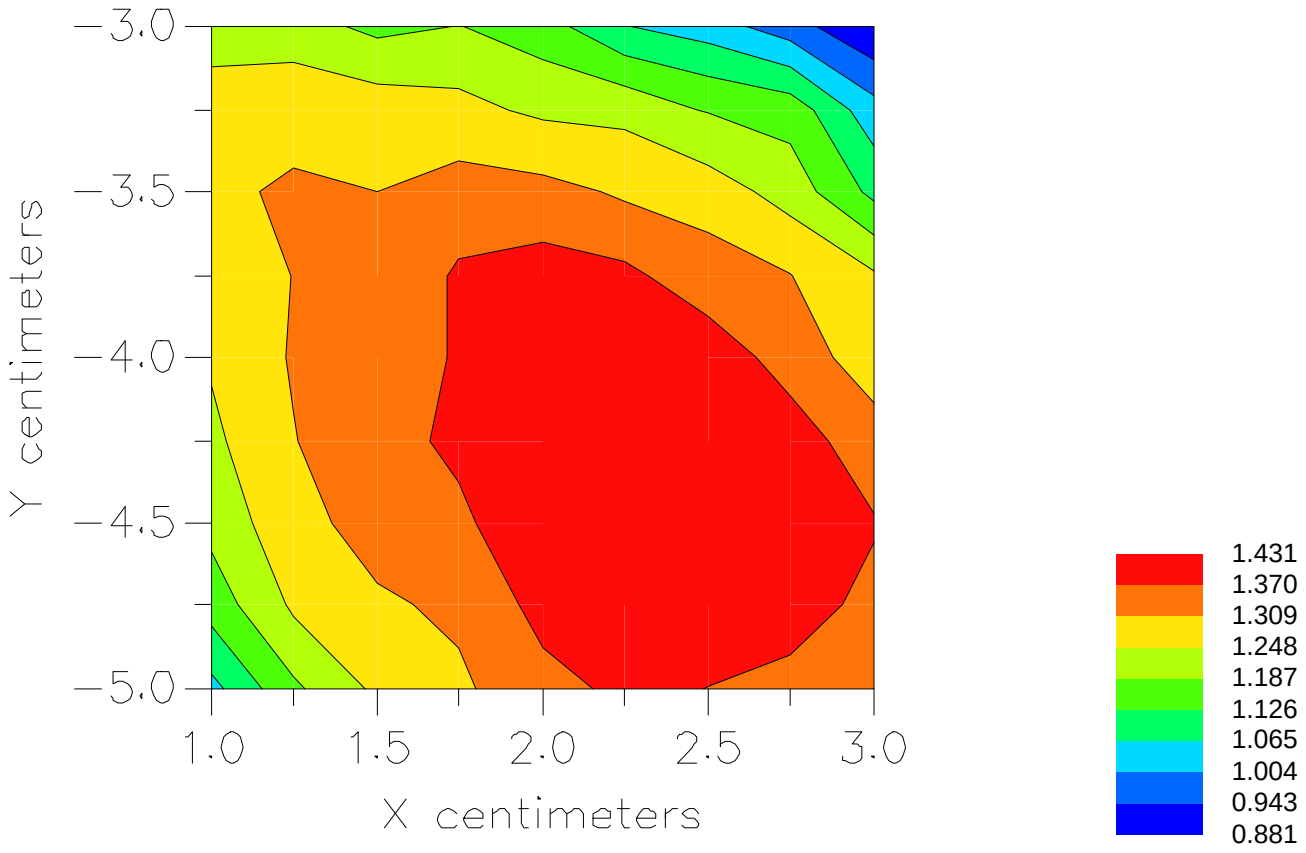


File : 01041913_ZOOM
Start : 19-Apr-101 03:55:28 pm End : 19-Apr-101 04:06:01 pm
SAMSUNG/SPH-N170/1;824.04MHz;W;Helical/Out;
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/41.500/0.900





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			

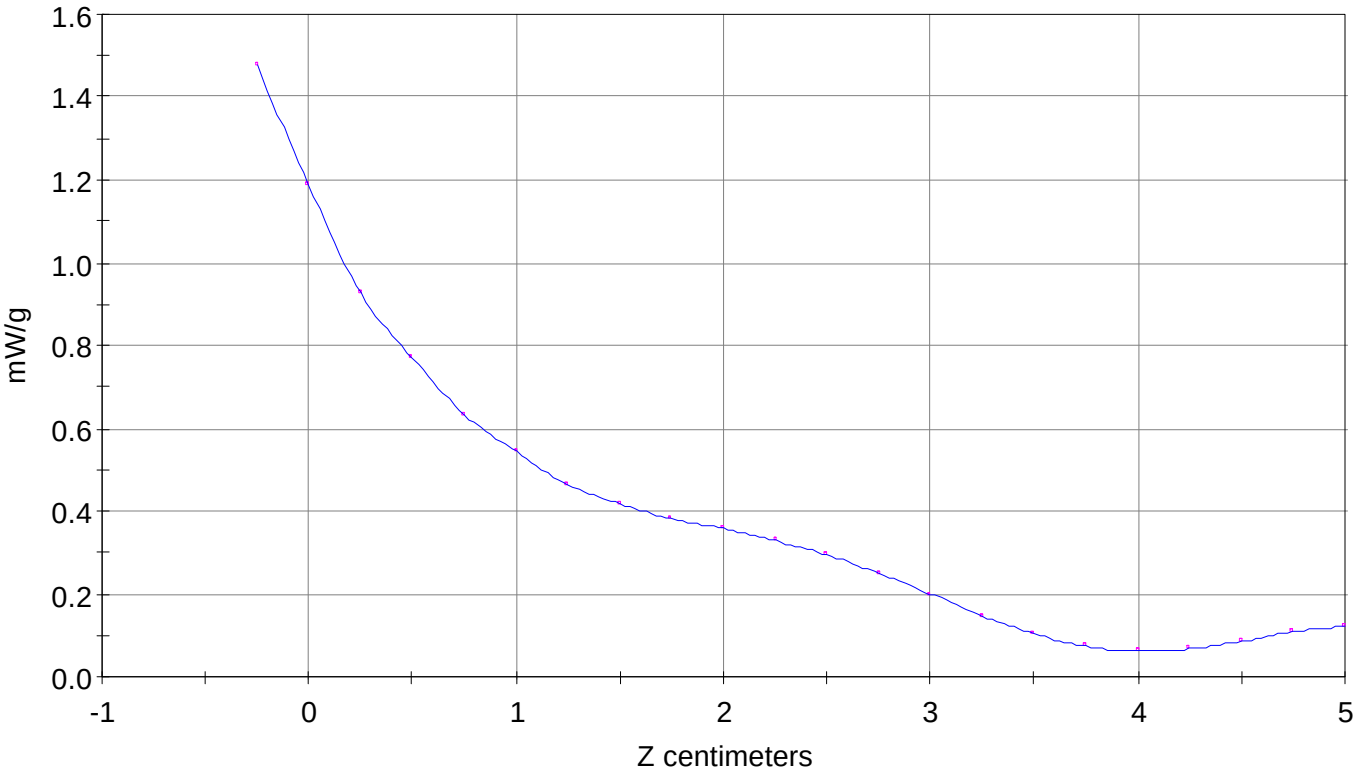
Calc. Voltage @ Surface (Vs) = 0.0202

Voltage @ 1.00 cm (Vt) = 0.0087

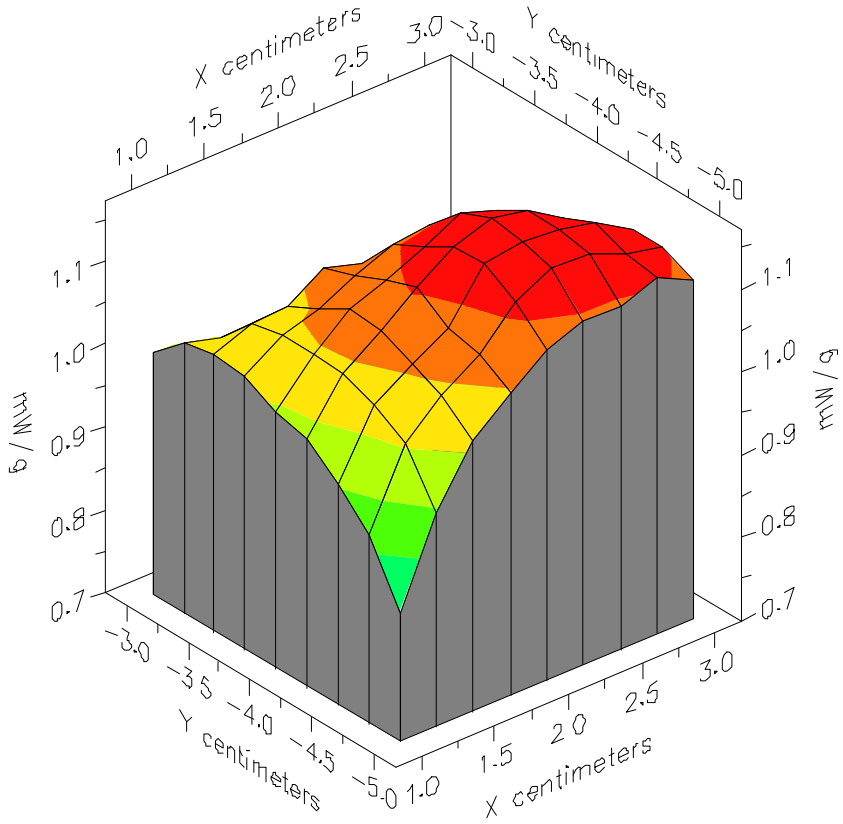
Ave. Voltage (Vs+Vt)/2 = 0.0145

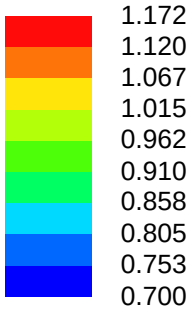
Ave. SAR over 1 g (mW/g) = 1.0547

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

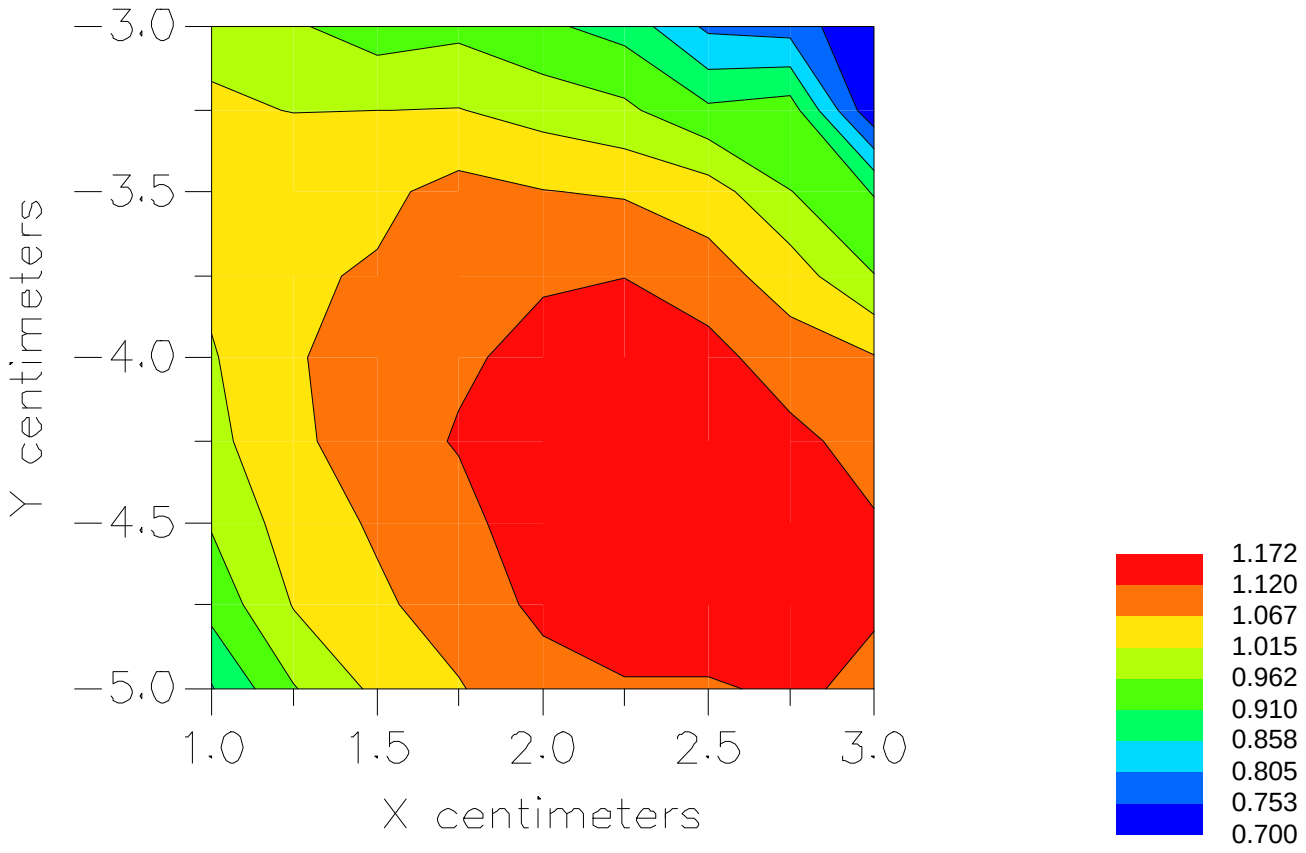


File : 01041906_ZOOM
Start : 19-Apr-101 02:49:27 pm End : 19-Apr-101 02:58:49 pm
SAMSUNG/SPH-N170/1;836.49MHz;W;Helical/In;
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/41.500/0.900





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			

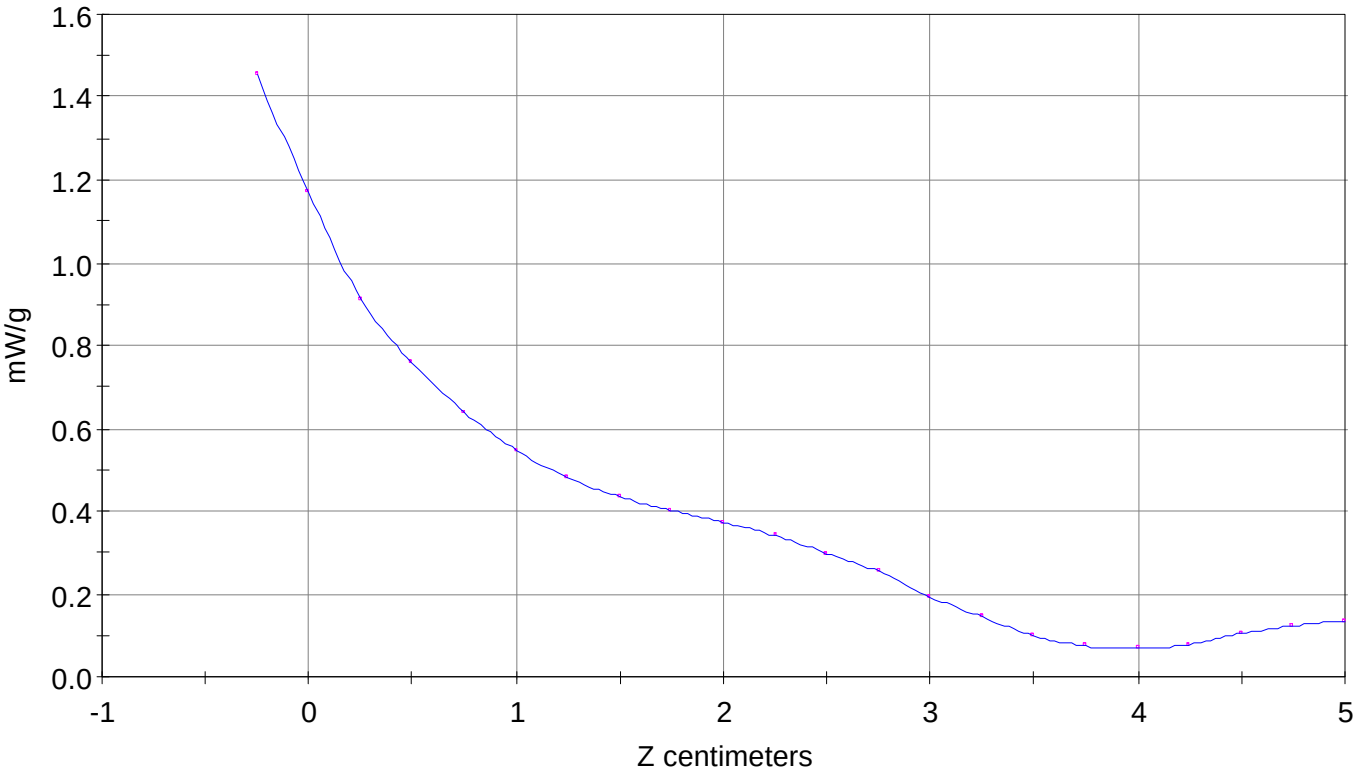
Calc. Voltage @ Surface (Vs) = 0.0199

Voltage @ 1.00 cm (Vt) = 0.0088

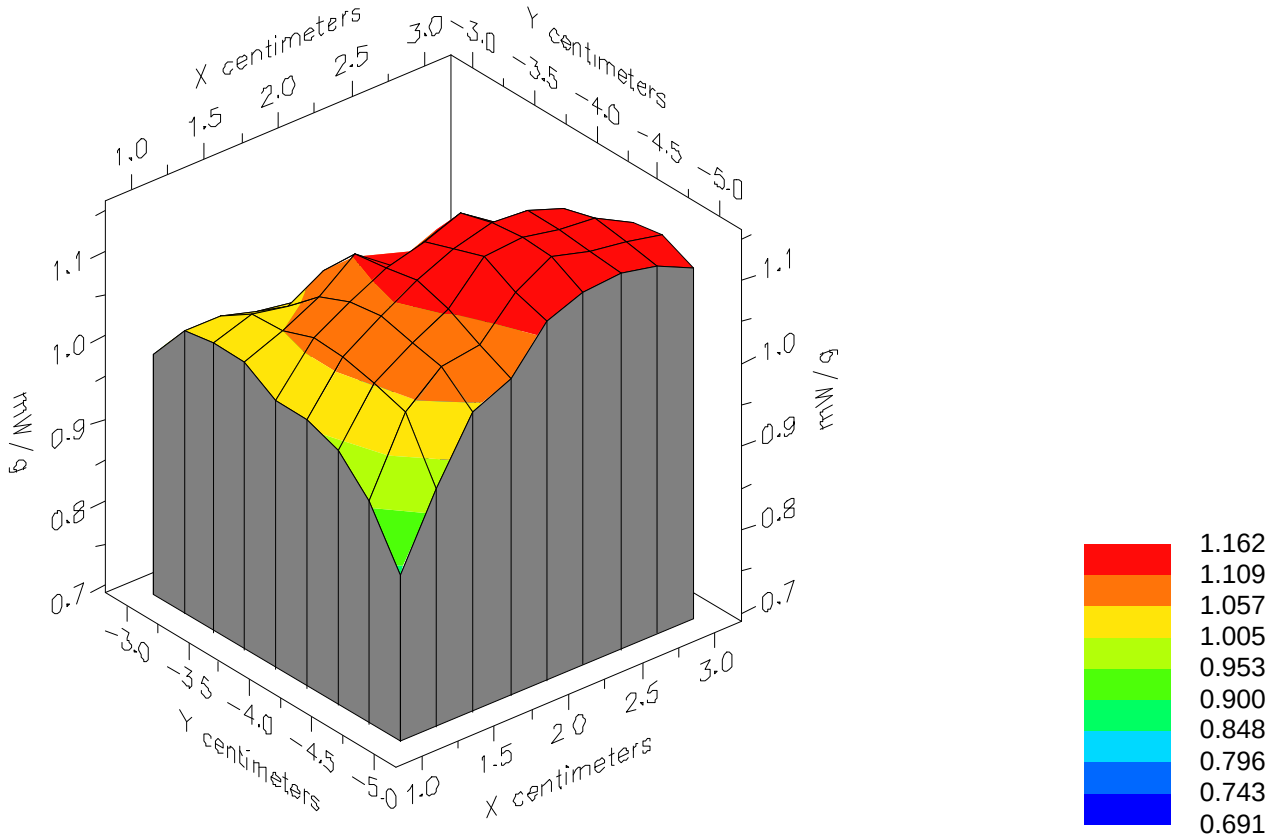
Ave. Voltage (Vs+Vt)/2 = 0.0143

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

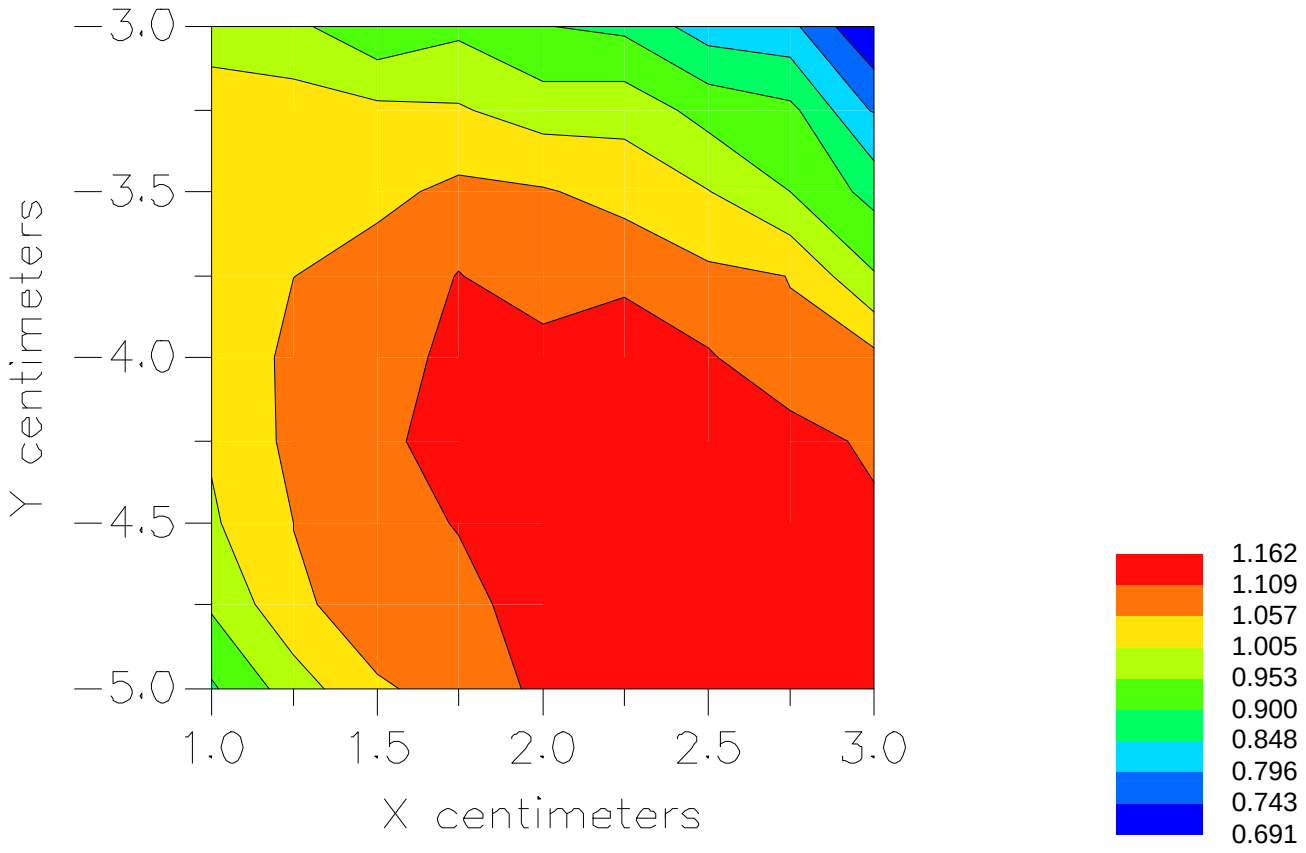
SAR Scan
File : 01041908_ZOOM
Start : 19-Apr-101 03:02:40 pm End : 19-Apr-101 03:13:04 pm
SAMSUNG/SPH-N170/1;836.49MHz;W;Helical/Out;
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/41.500/0.900



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			

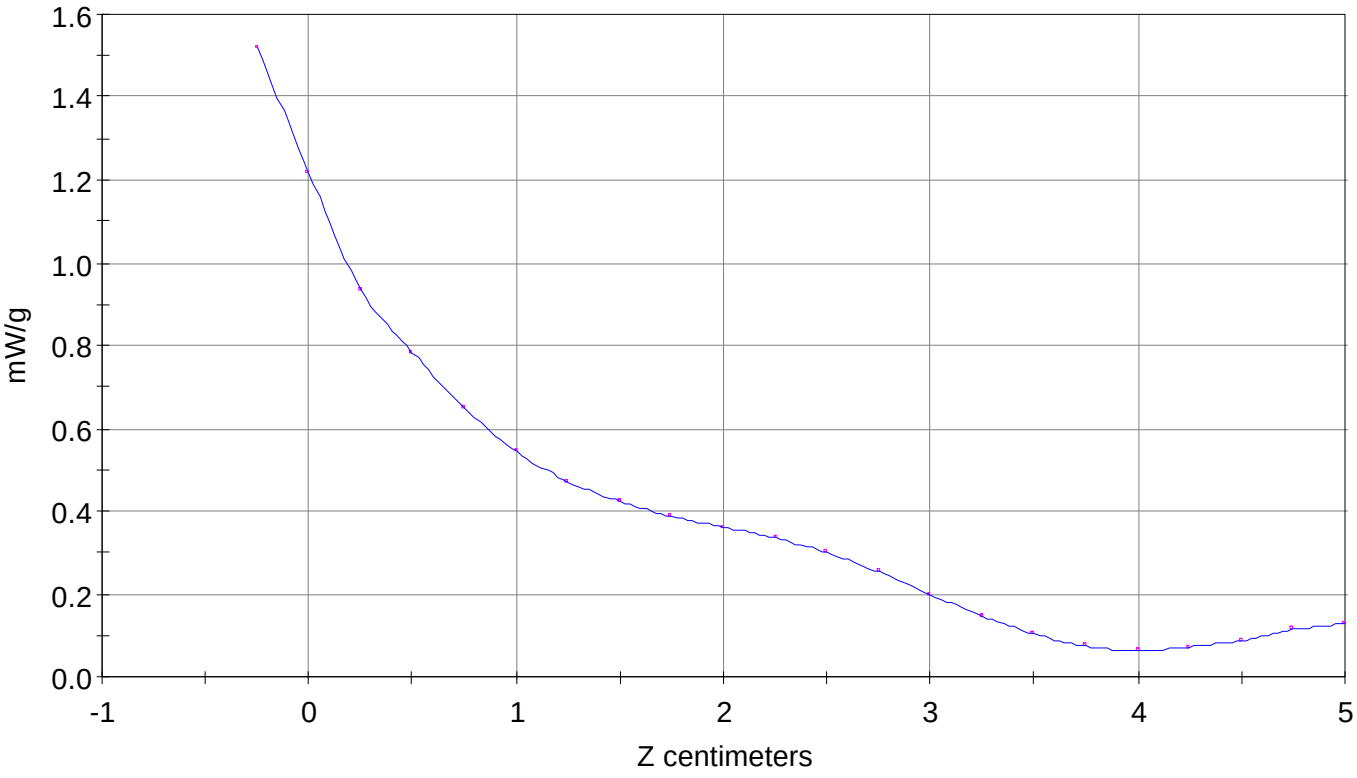
Calc. Voltage @ Surface (Vs) = 0.0208

Voltage @ 1.00 cm (Vt) = 0.0089

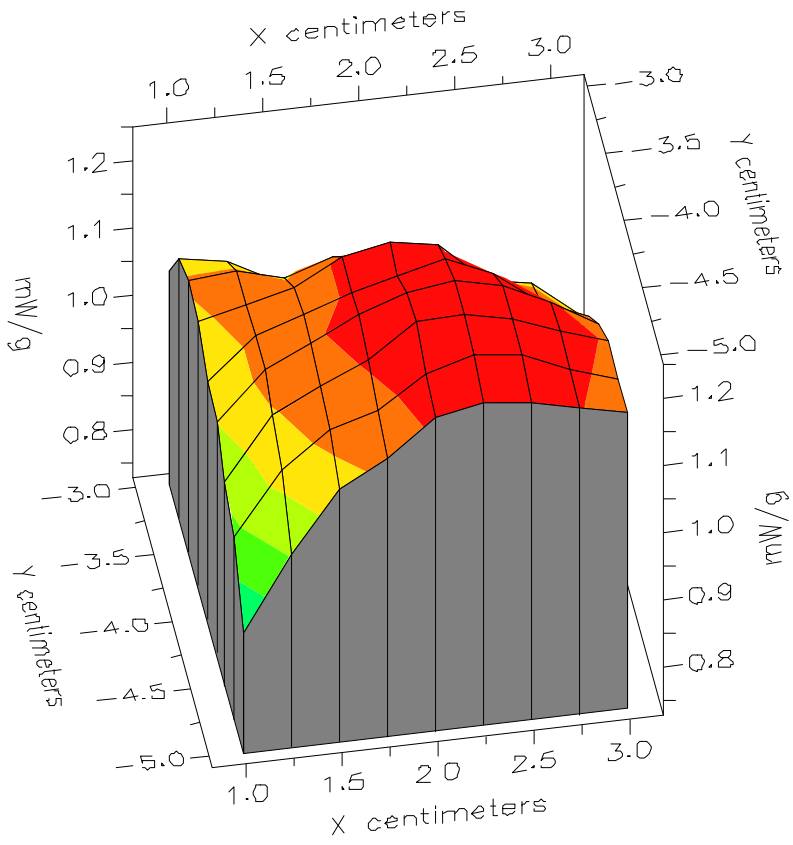
Ave. Voltage (Vs+Vt)/2 = 0.0149

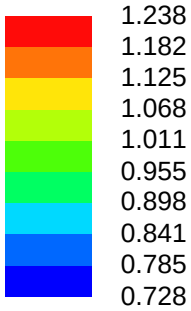
Ave. SAR over 1 g (mW/g) = 1.0843

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

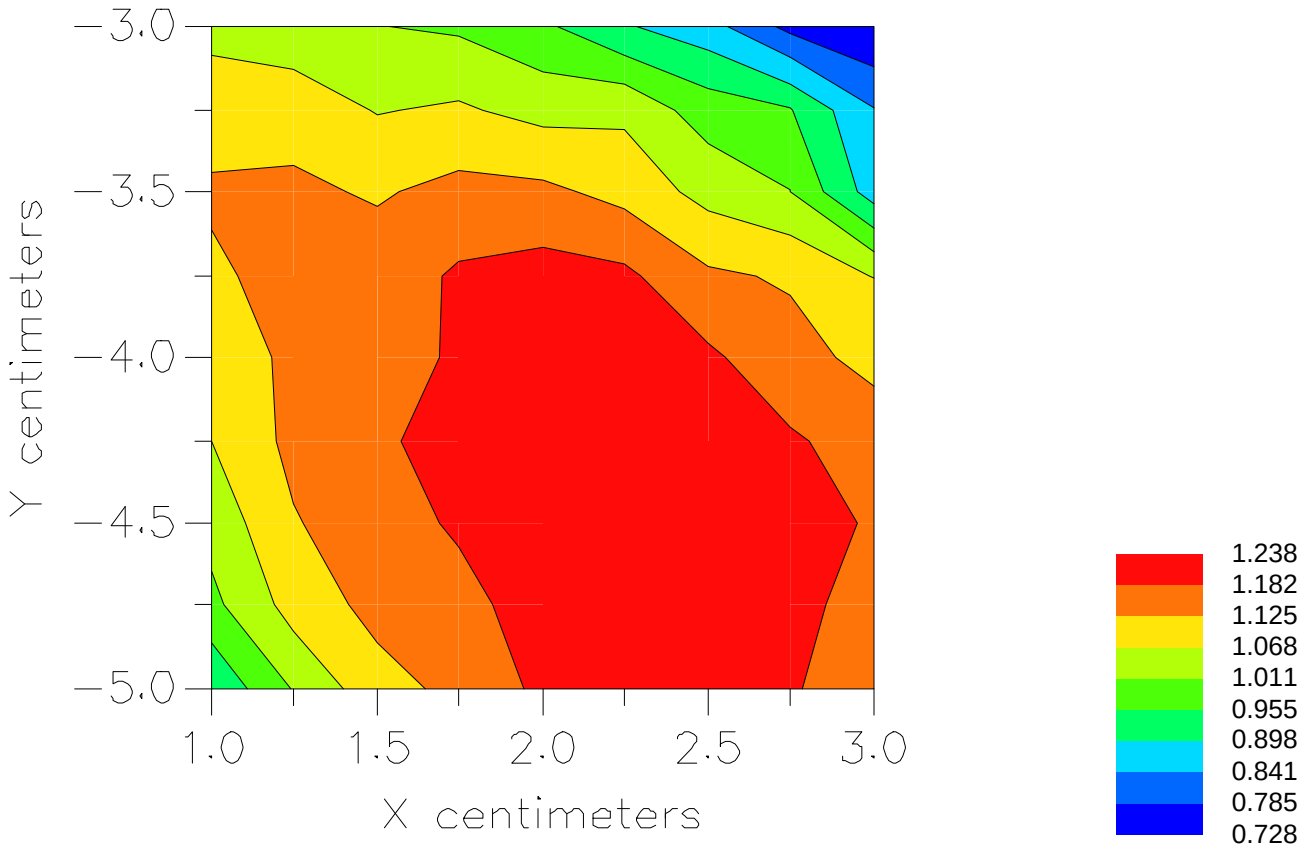


File : 01041909_ZOOM
Start : 19-Apr-101 03:17:16 pm End : 19-Apr-101 03:27:54 pm
SAMSUNG/SPH-N170/1;848.97MHz;W;Helical/In;
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/41.500/0.900





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			

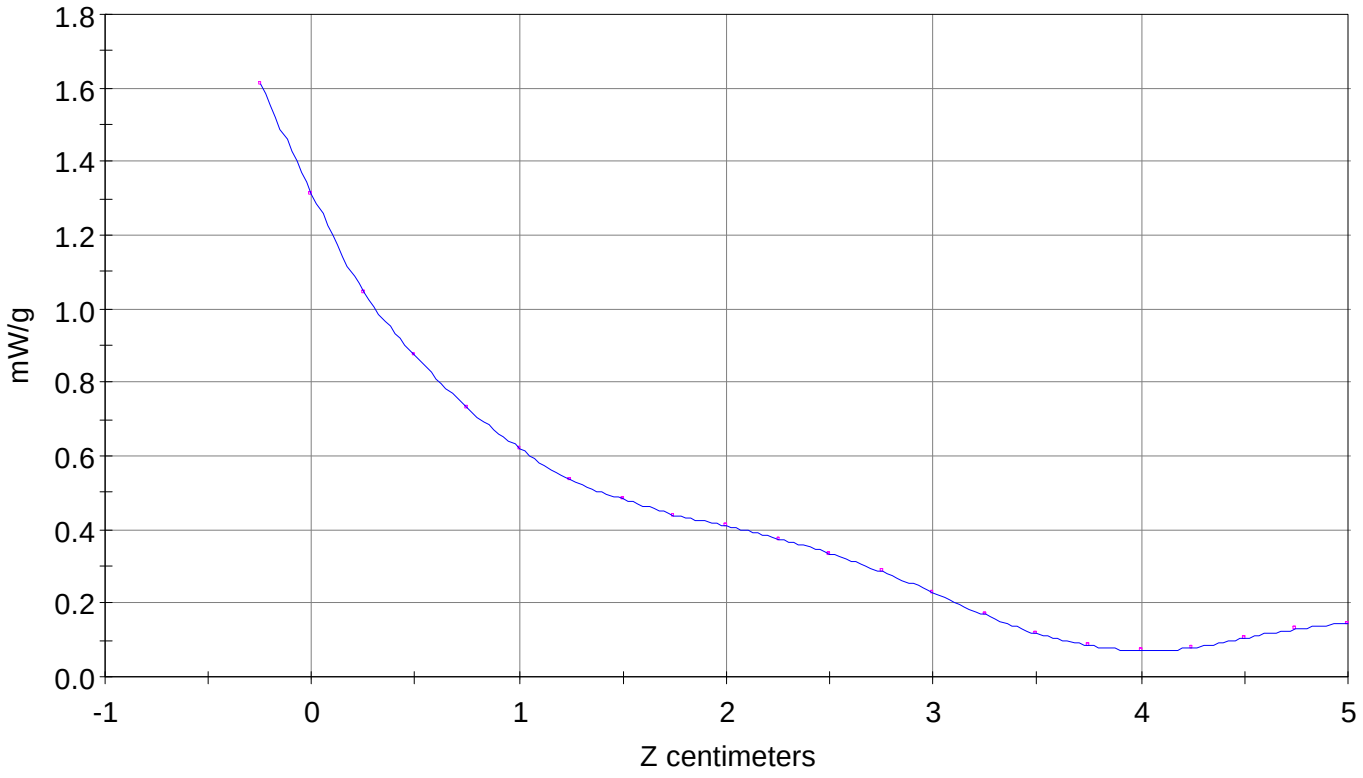
Calc. Voltage @ Surface (Vs) = 0.0221

Voltage @ 1.00 cm (Vt) = 0.0100

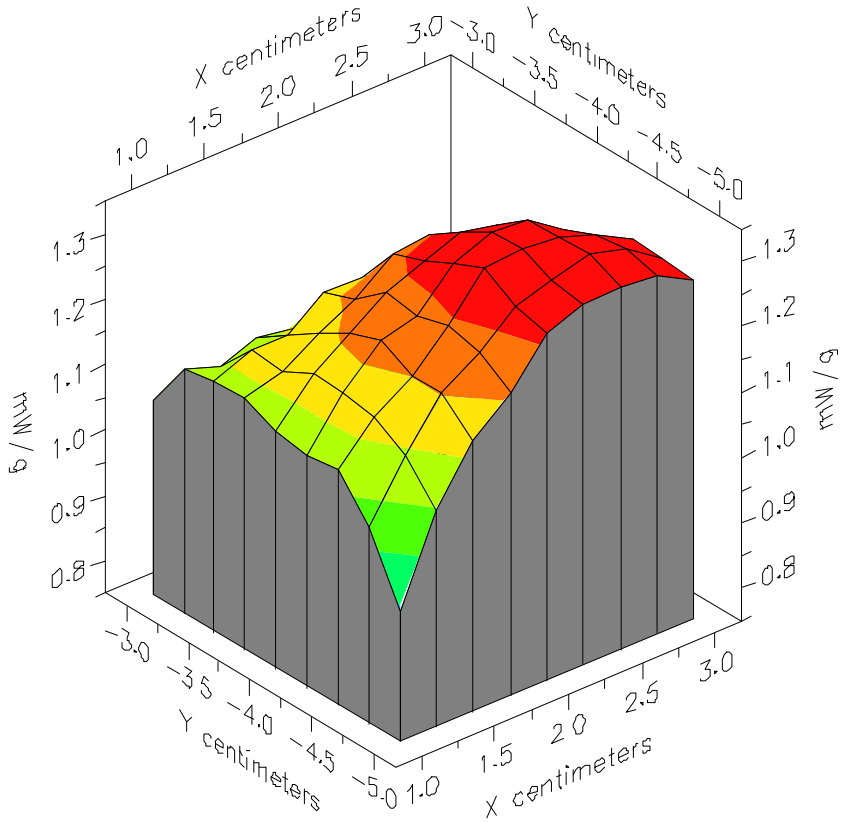
Ave. Voltage (Vs+Vt)/2 = 0.0161

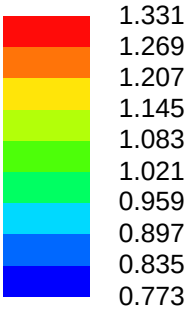
Ave. SAR over 1 g (mW/g) = 1.1718

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

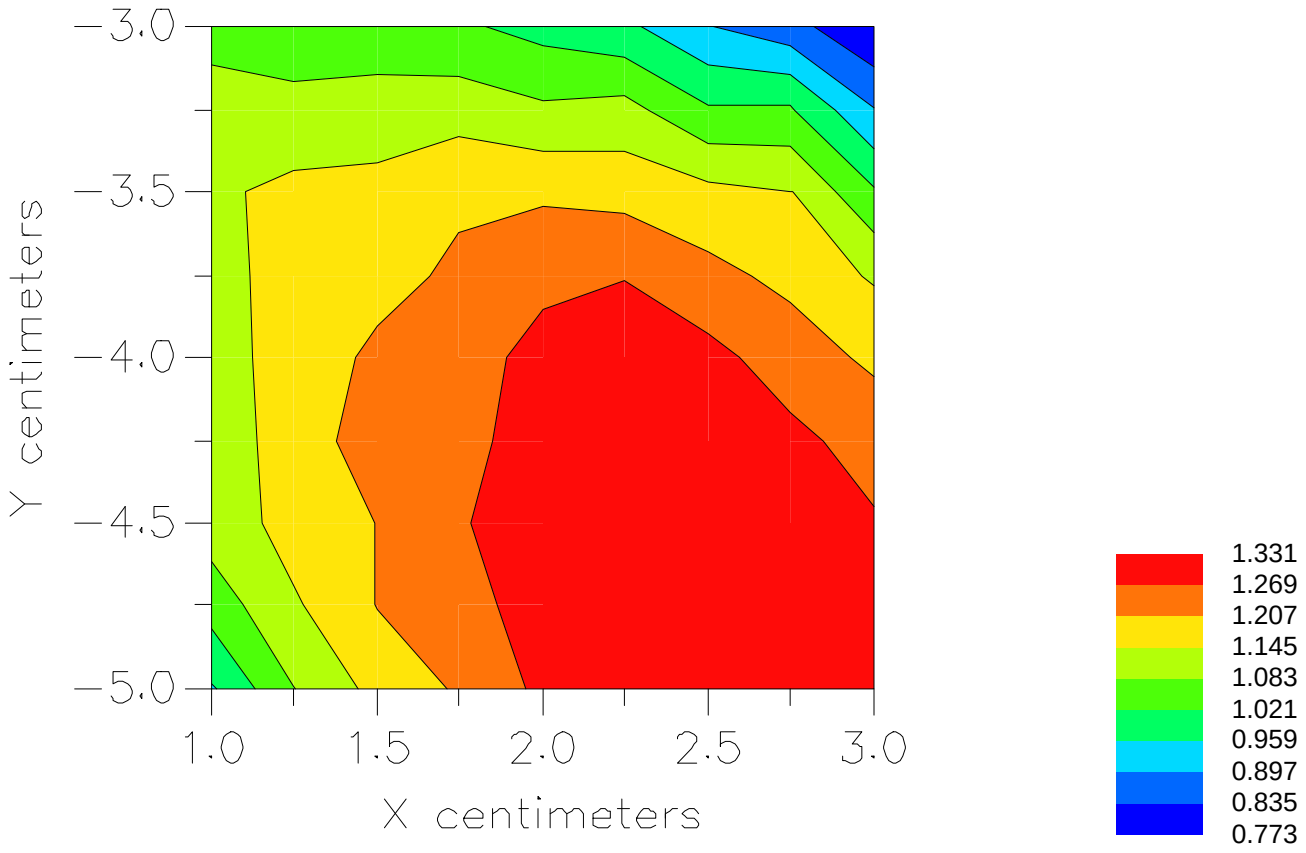


File : 01041910_ZOOM
Start : 19-Apr-101 03:30:04 pm End : 19-Apr-101 03:40:38 pm
SAMSUNG/SPH-N170/1;848.97MHz;W;Helical/Out;
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/41.500/0.900





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			

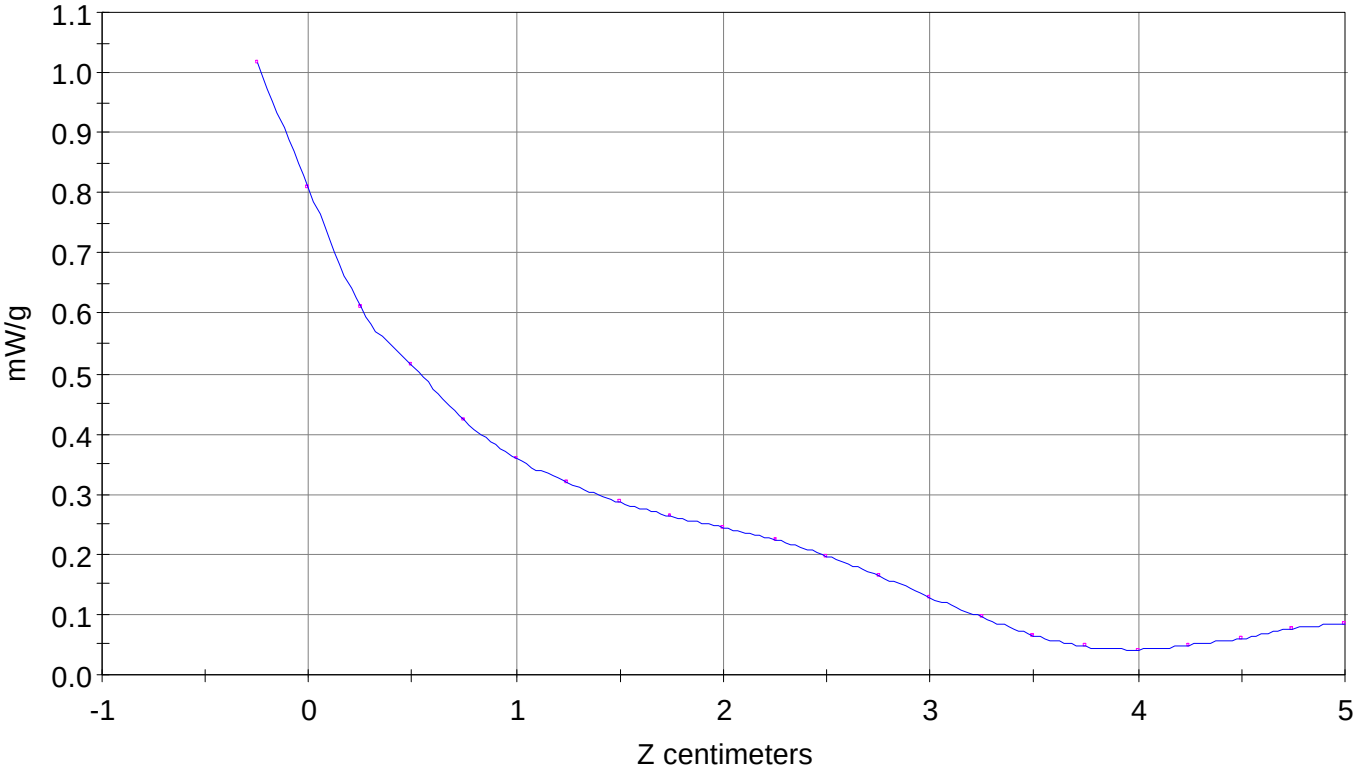
Calc. Voltage @ Surface (Vs) = 0.0139

Voltage @ 1.00 cm (Vt) = 0.0058

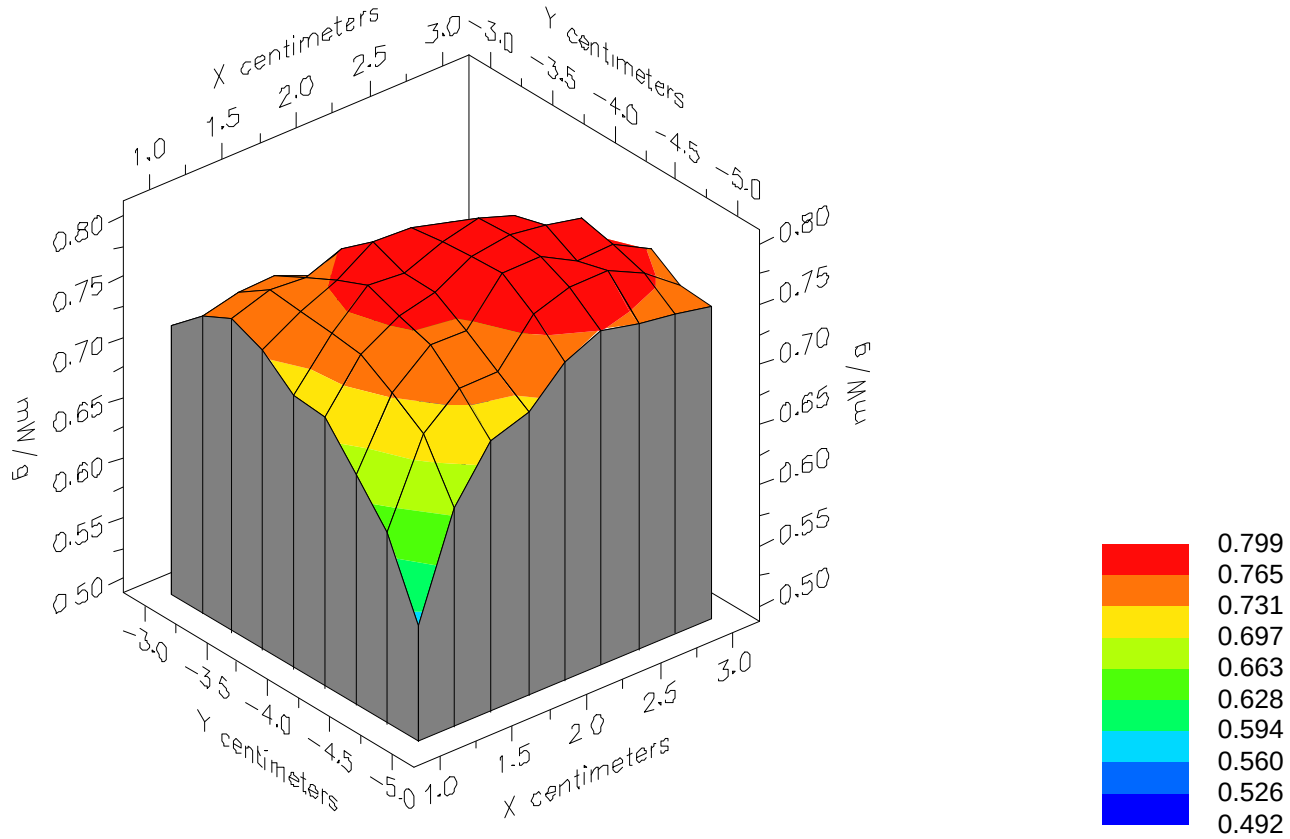
Ave. Voltage (Vs+Vt)/2 = 0.0098

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

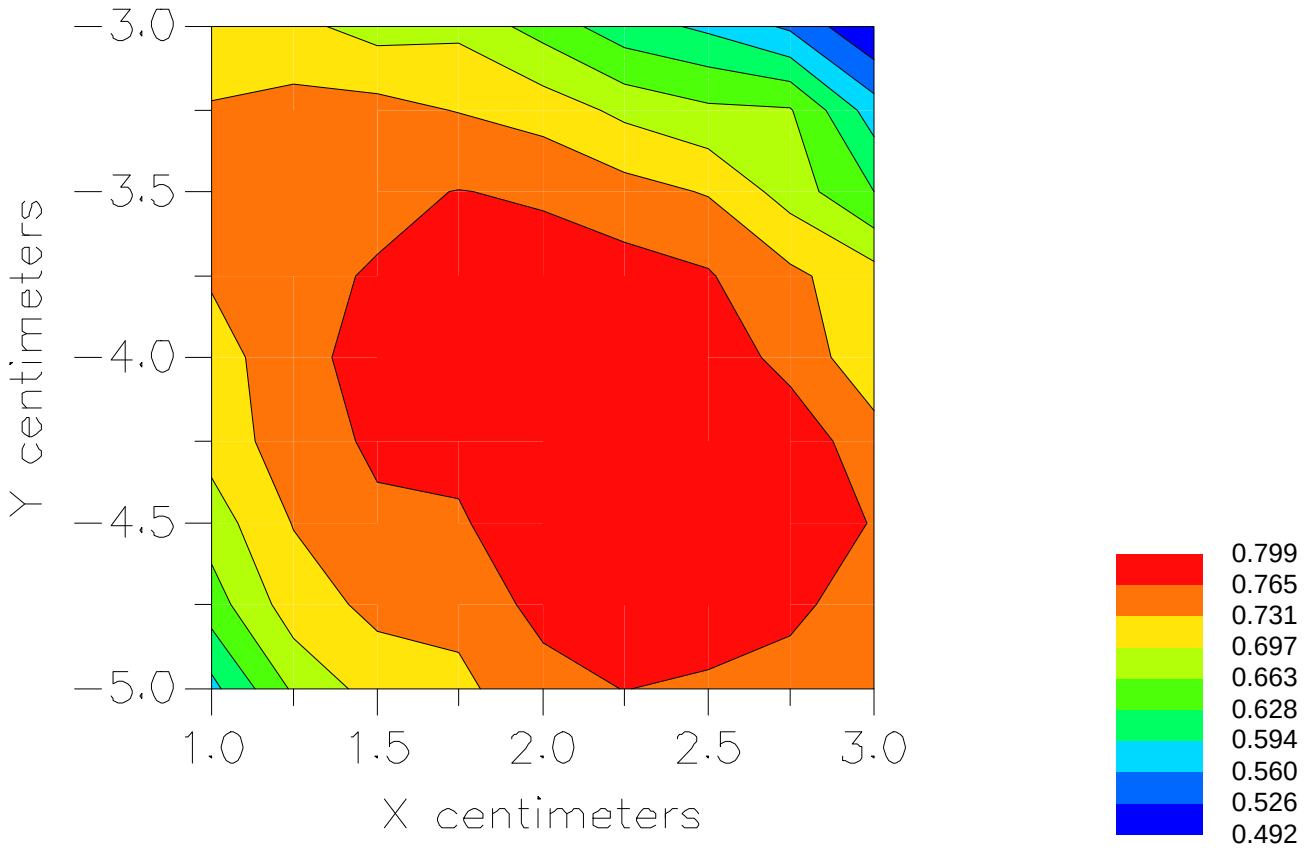
SAR Scan
File : 01041914_ZOOM
Start : 19-Apr-101 04:12:05 pm End : 19-Apr-101 04:21:29 pm
SAMSUNG/SPH-N170/1;824.70MHz;W;Helical/In;
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/41.500/0.900



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			

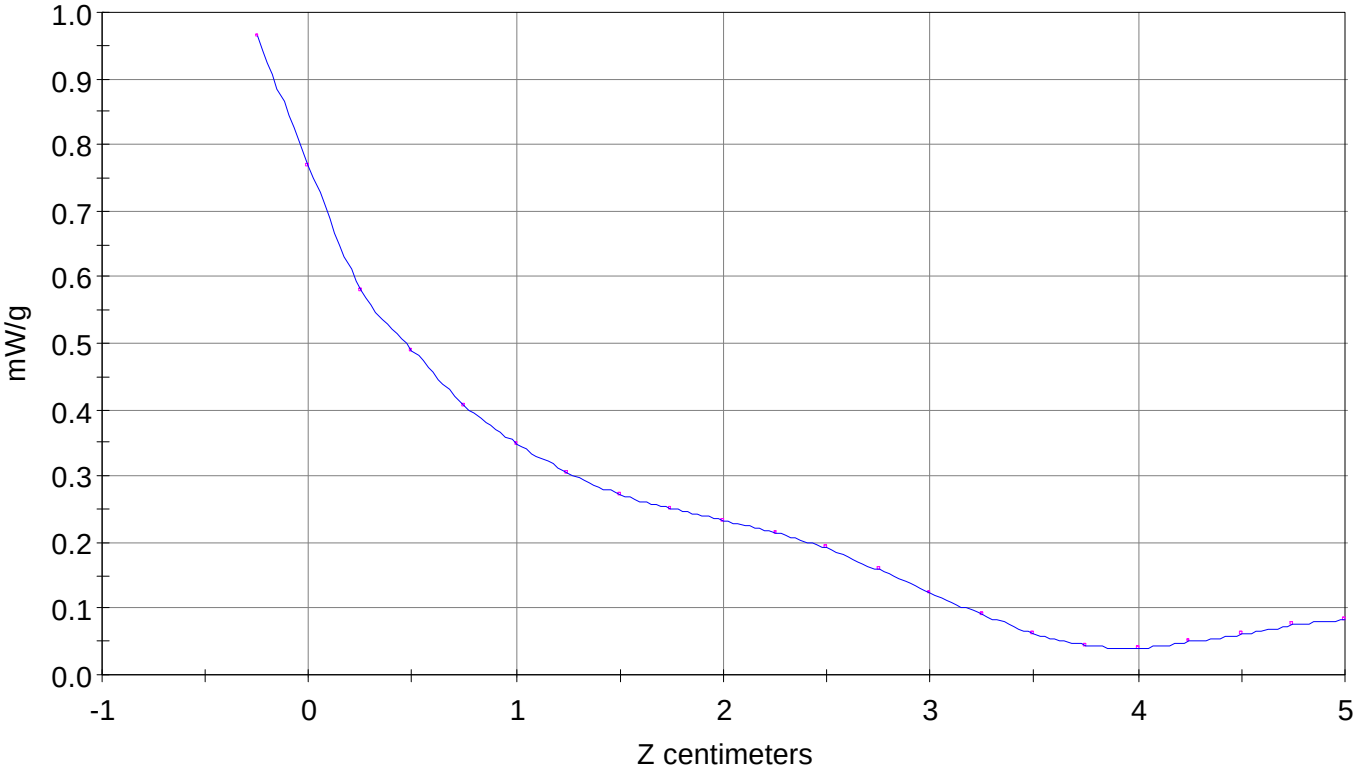
Calc. Voltage @ Surface (Vs) = 0.0132

Voltage @ 1.00 cm (Vt) = 0.0056

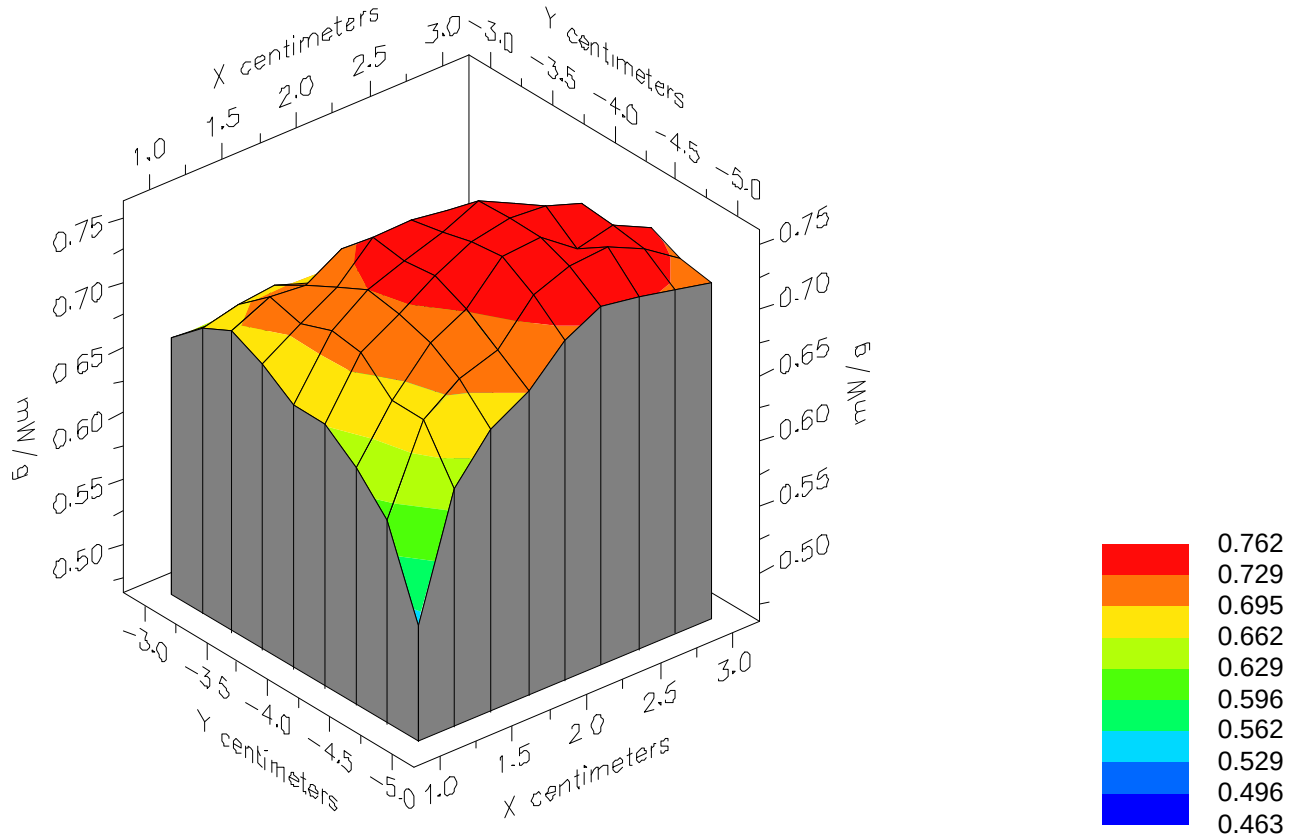
Ave. Voltage (Vs+Vt)/2 = 0.0094

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

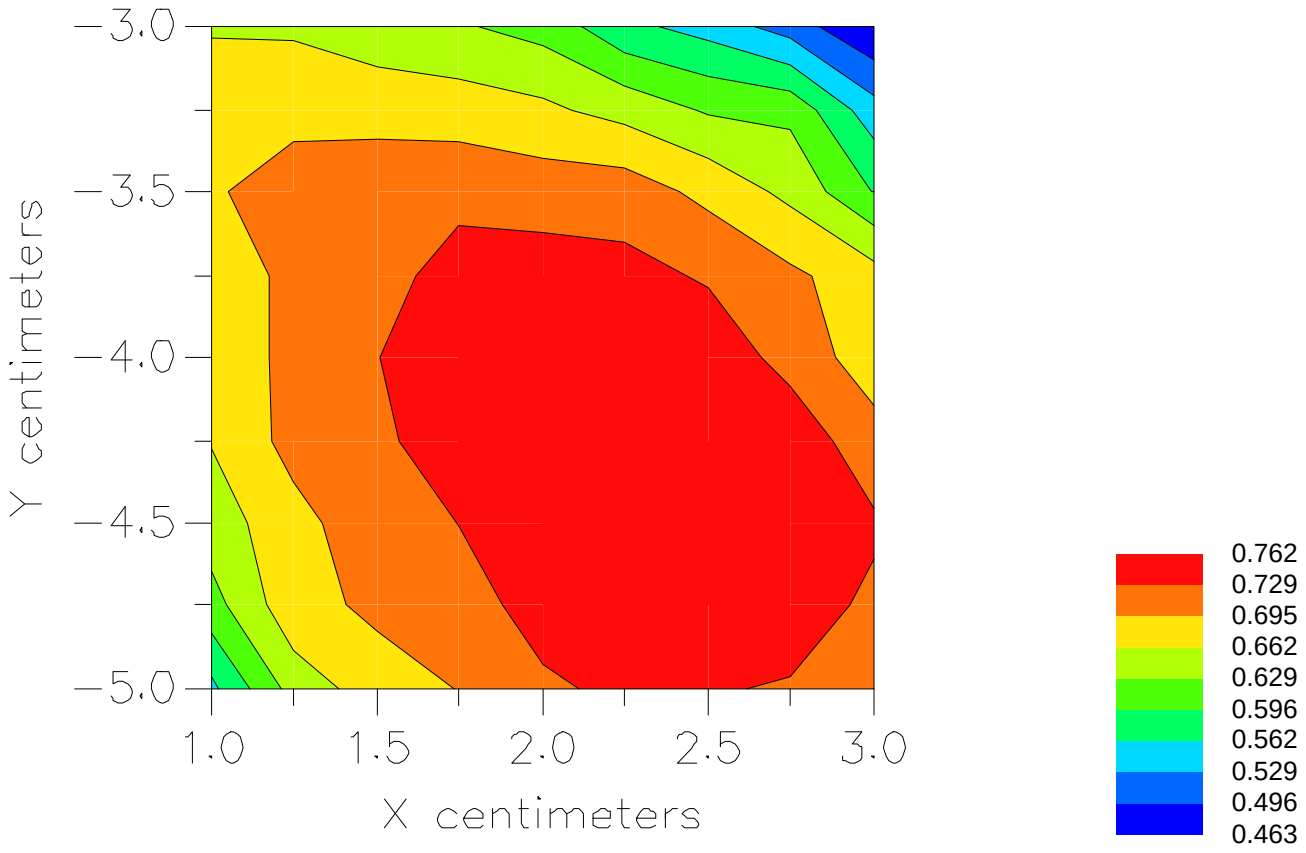
SAR Scan
File : 01041915_ZOOM
Start : 19-Apr-101 04:25:31 pm End : 19-Apr-101 04:34:56 pm
SAMSUNG/SPH-N170/1;824.70MHz;W;Helical/Out;
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/41.500/0.900



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

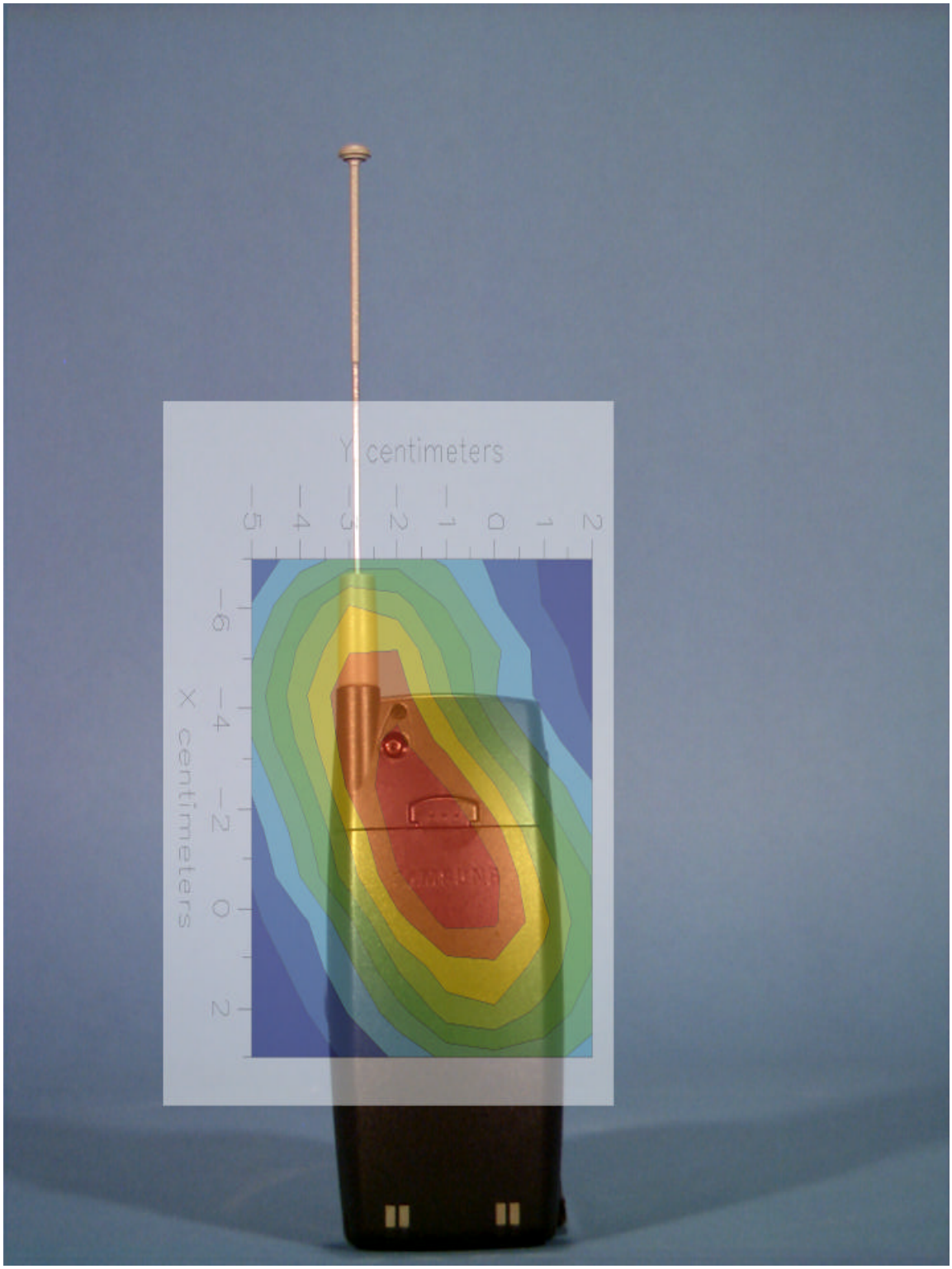


File : 01041915_ZOOM
Start : 19-Apr-101 04:25:31 pm End : 19-Apr-101 04:34:56 pm
SAMSUNG/SPH-N170/1;824.70MHz;W;Helical/Out;
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/41.500/0.900



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			

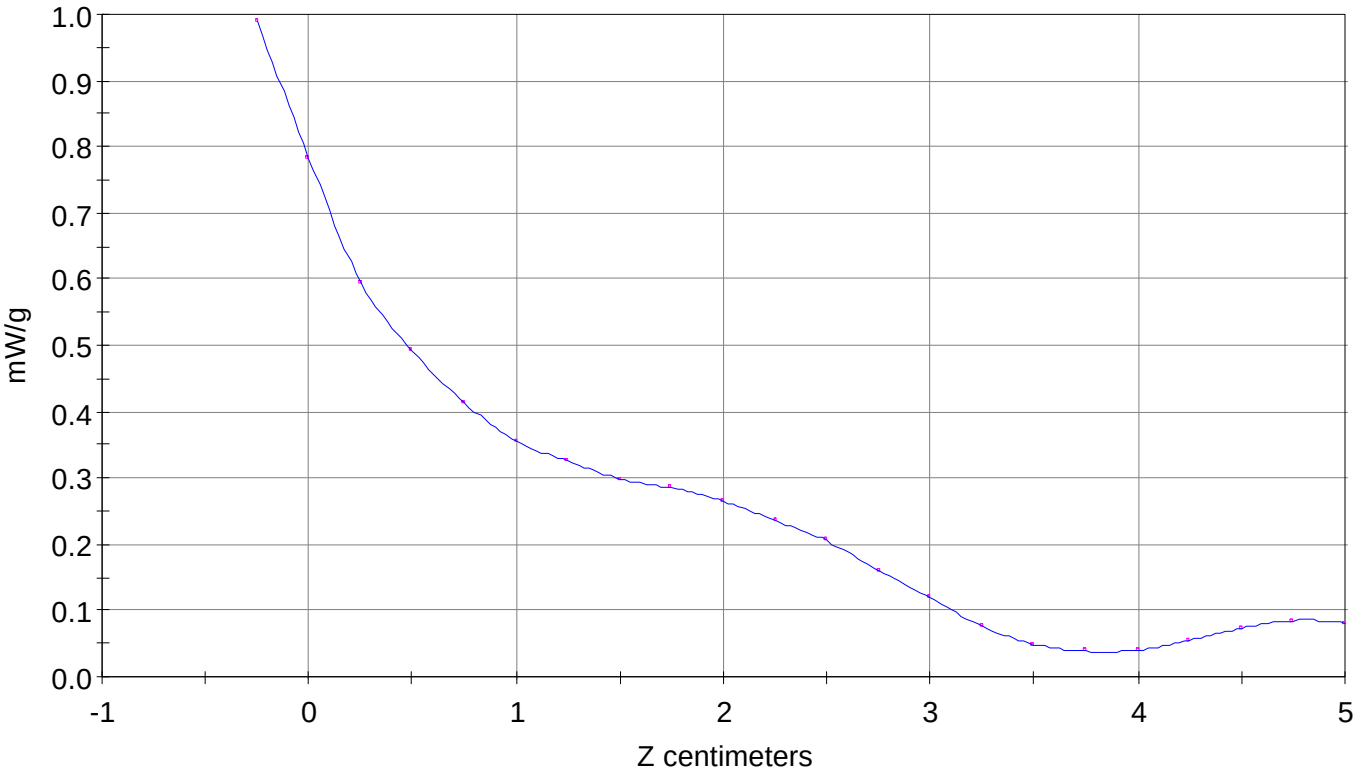
Calc. Voltage @ Surface (Vs) = 0.0120

Voltage @ 1.00 cm (Vt) = 0.0050

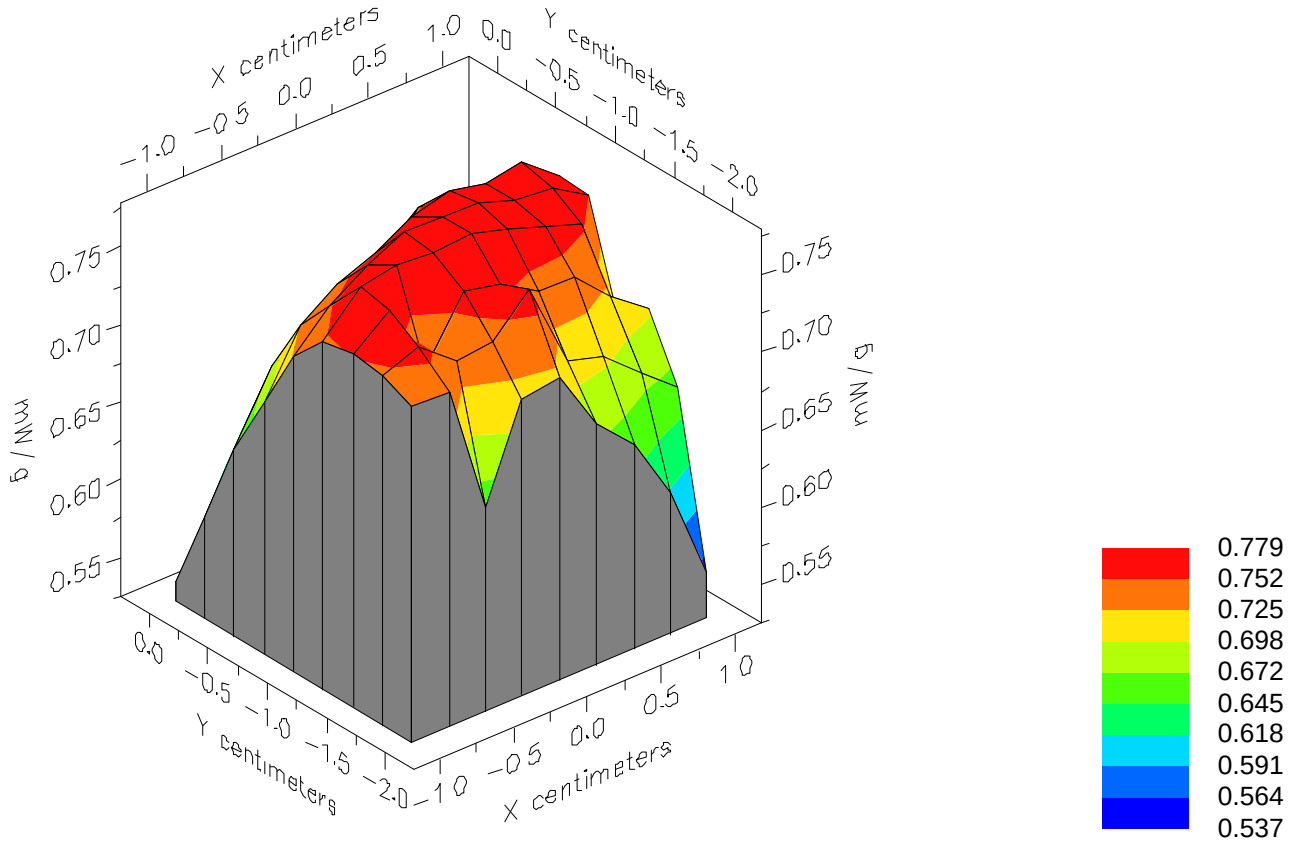
Ave. Voltage (Vs+Vt)/2 = 0.0085

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

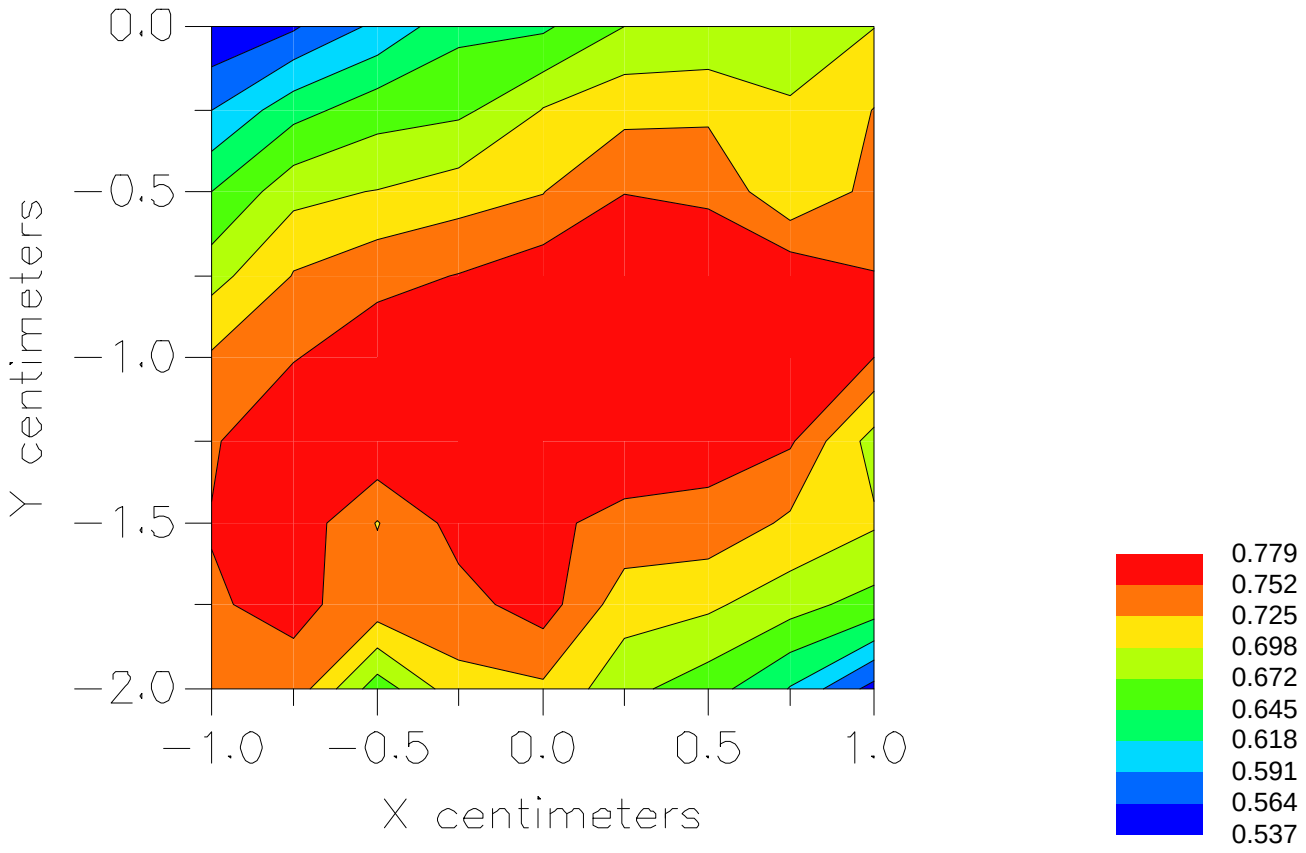
SAR Scan
File : 01042014_ZOOM
Start : 20-Apr-101 02:35:58 pm End : 20-Apr-101 02:43:29 pm
SAMSUNG/SPH-N170/1;824.04MHz;W;Helical/In;
Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 DegreesMuscle/51.700/1.100



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			

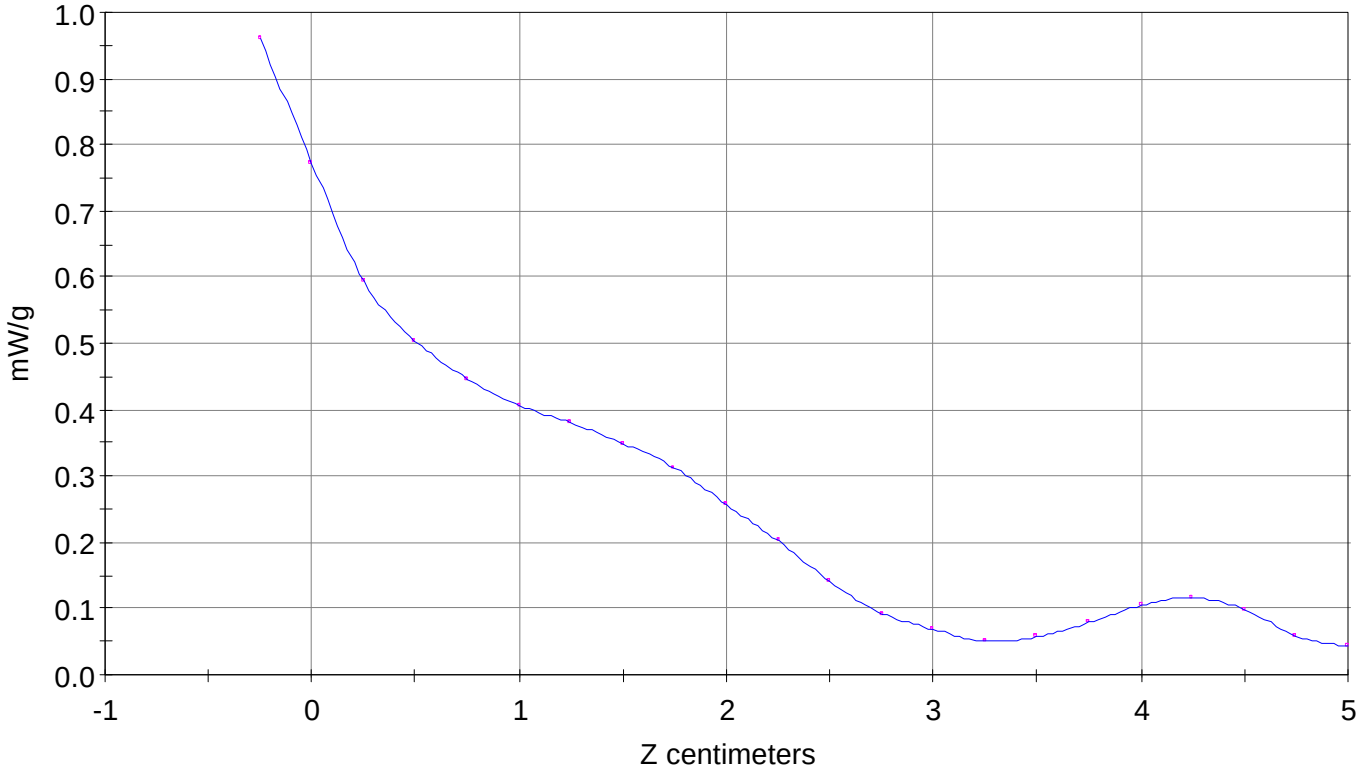
Calc. Voltage @ Surface (Vs) = 0.0116

Voltage @ 1.00 cm (Vt) = 0.0054

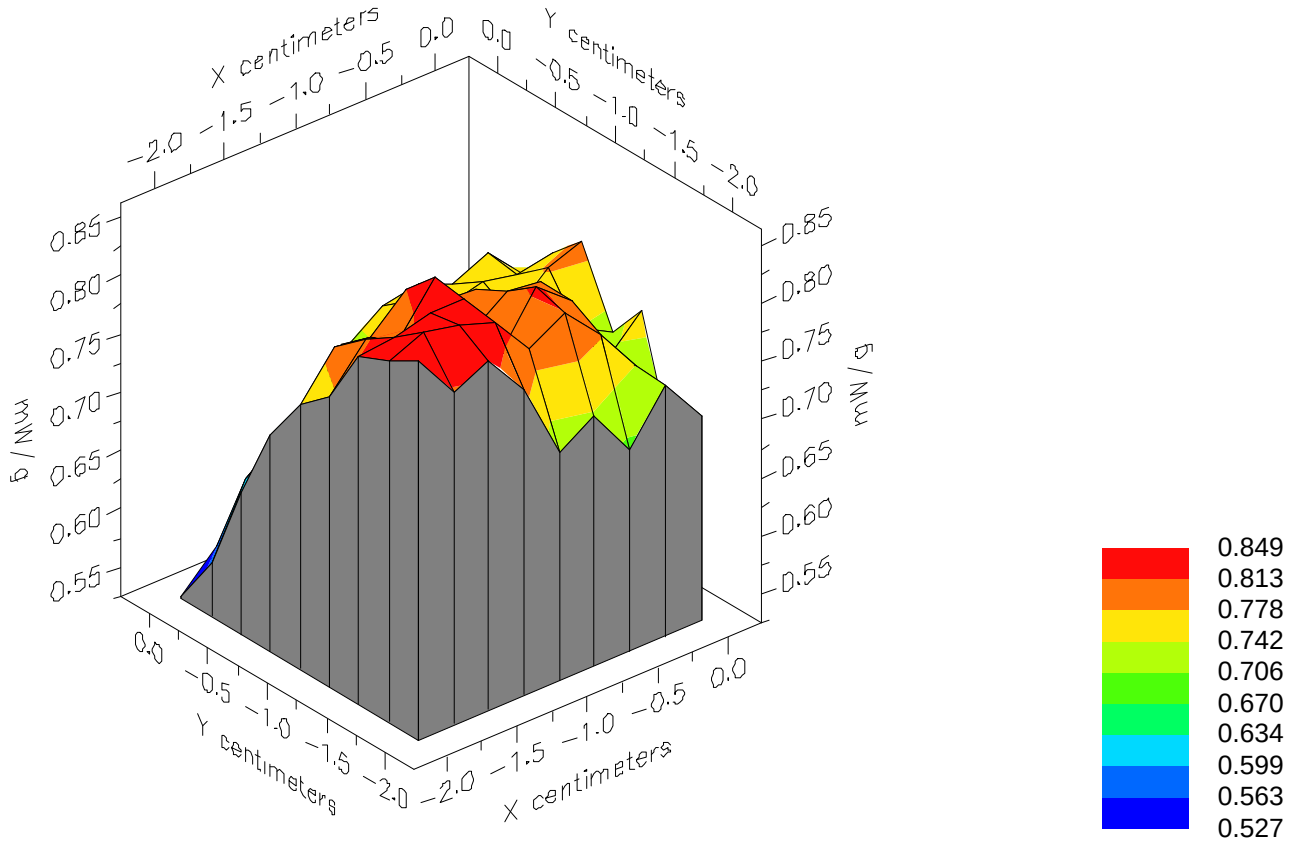
Ave. Voltage (Vs+Vt)/2 = 0.0085

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

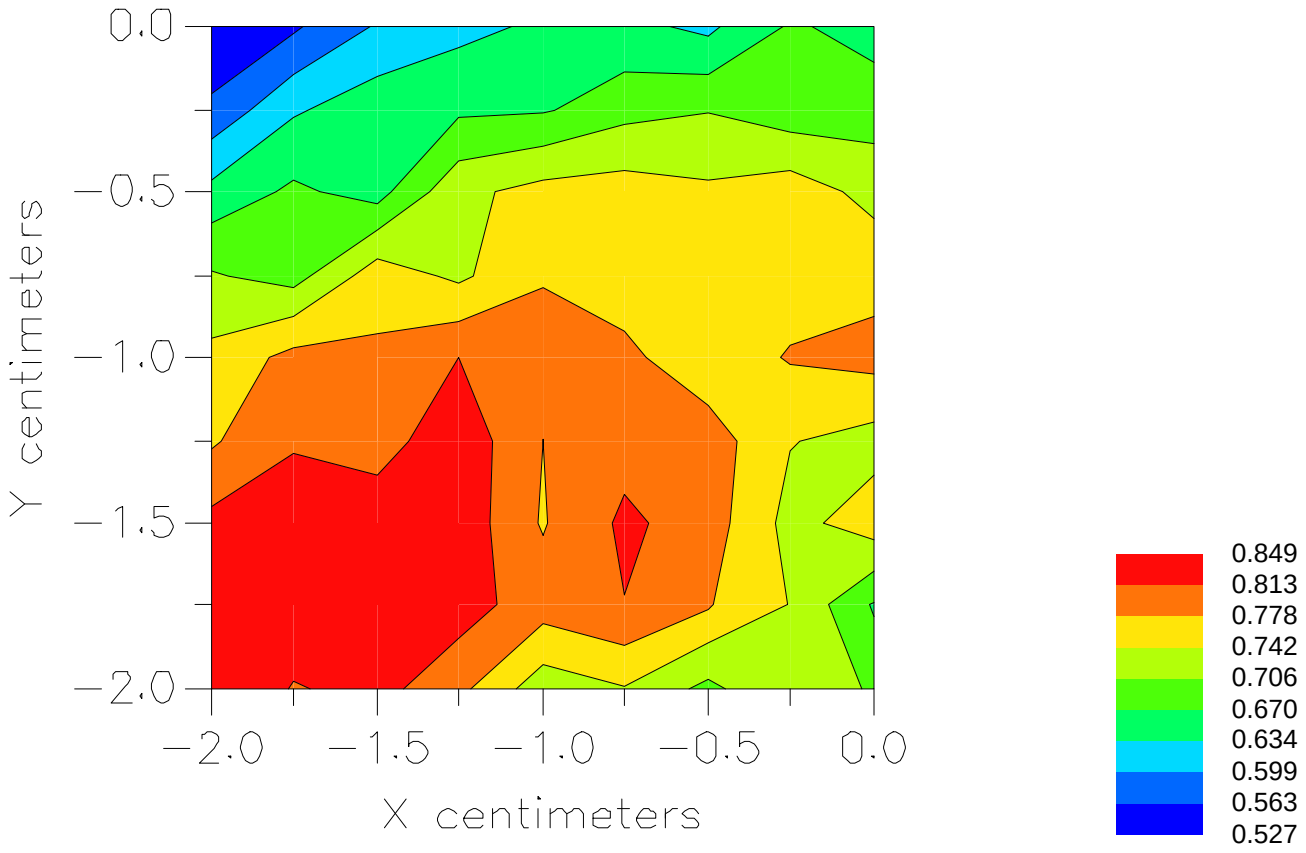
SAR Scan
File : 01042015_ZOOM
Start : 20-Apr-101 03:18:22 pm End : 20-Apr-101 03:29:24 pm
SAMSUNG/SPH-N170/1;824.04MHz;W;Helical/Out;
Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 DegreesMuscle/51.700/1.100



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			

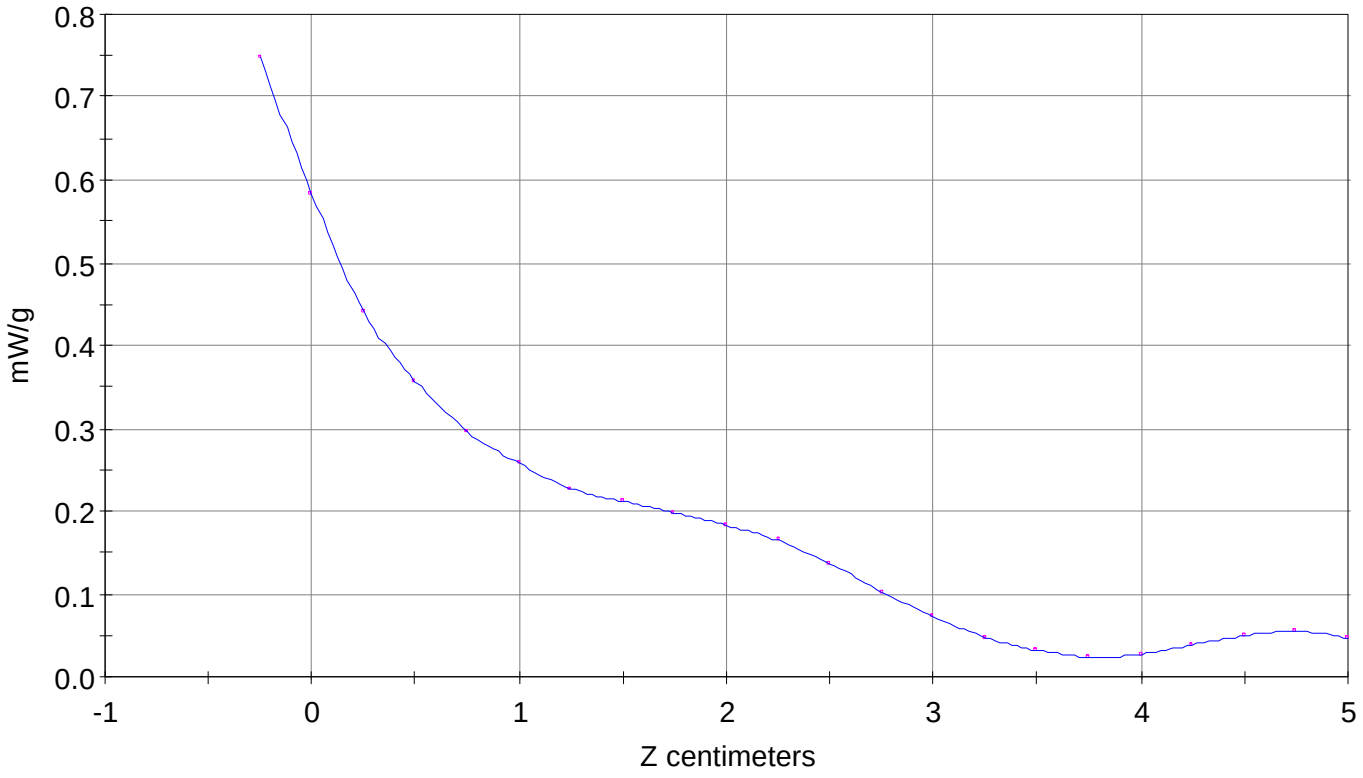
Calc. Voltage @ Surface (Vs) = 0.0090

Voltage @ 1.00 cm (Vt) = 0.0036

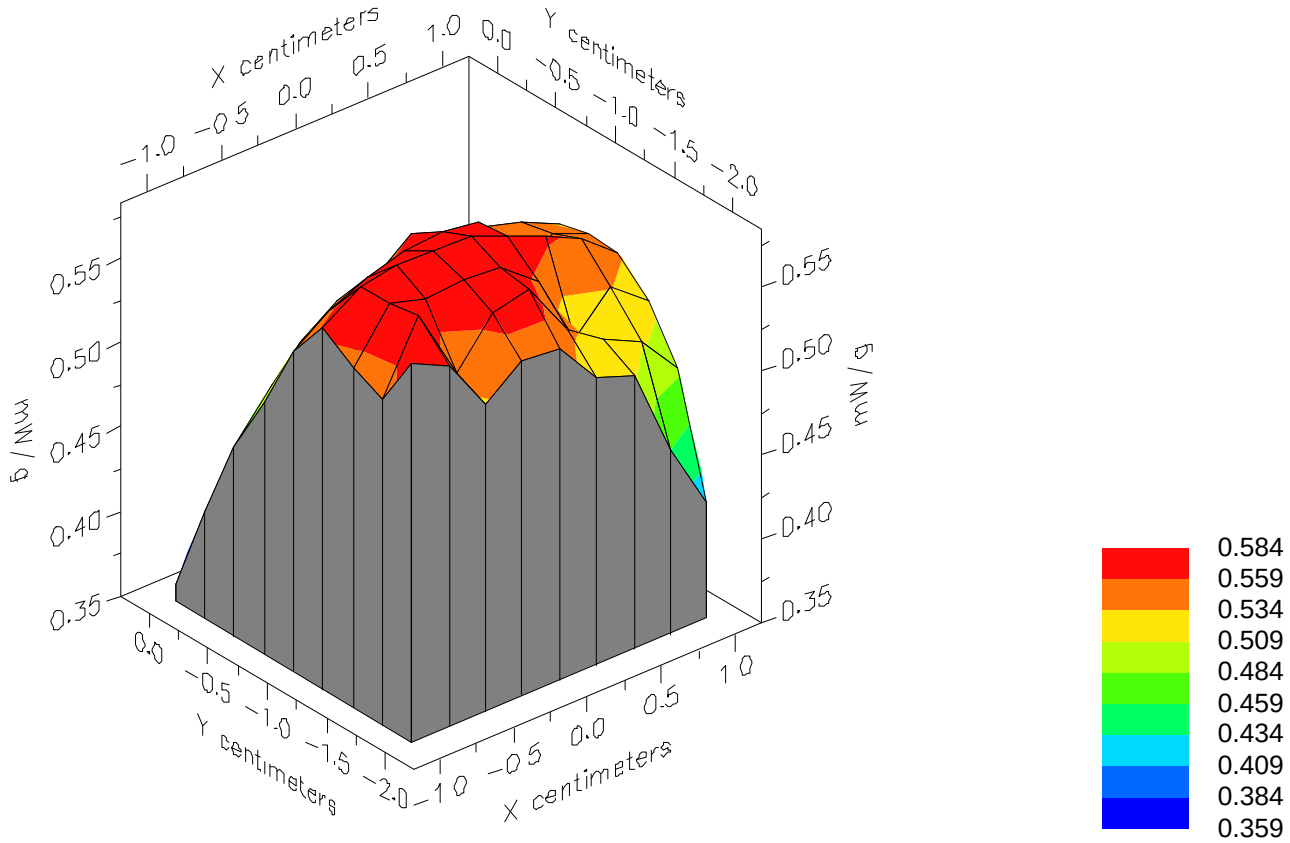
Ave. Voltage (Vs+Vt)/2 = 0.0063

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

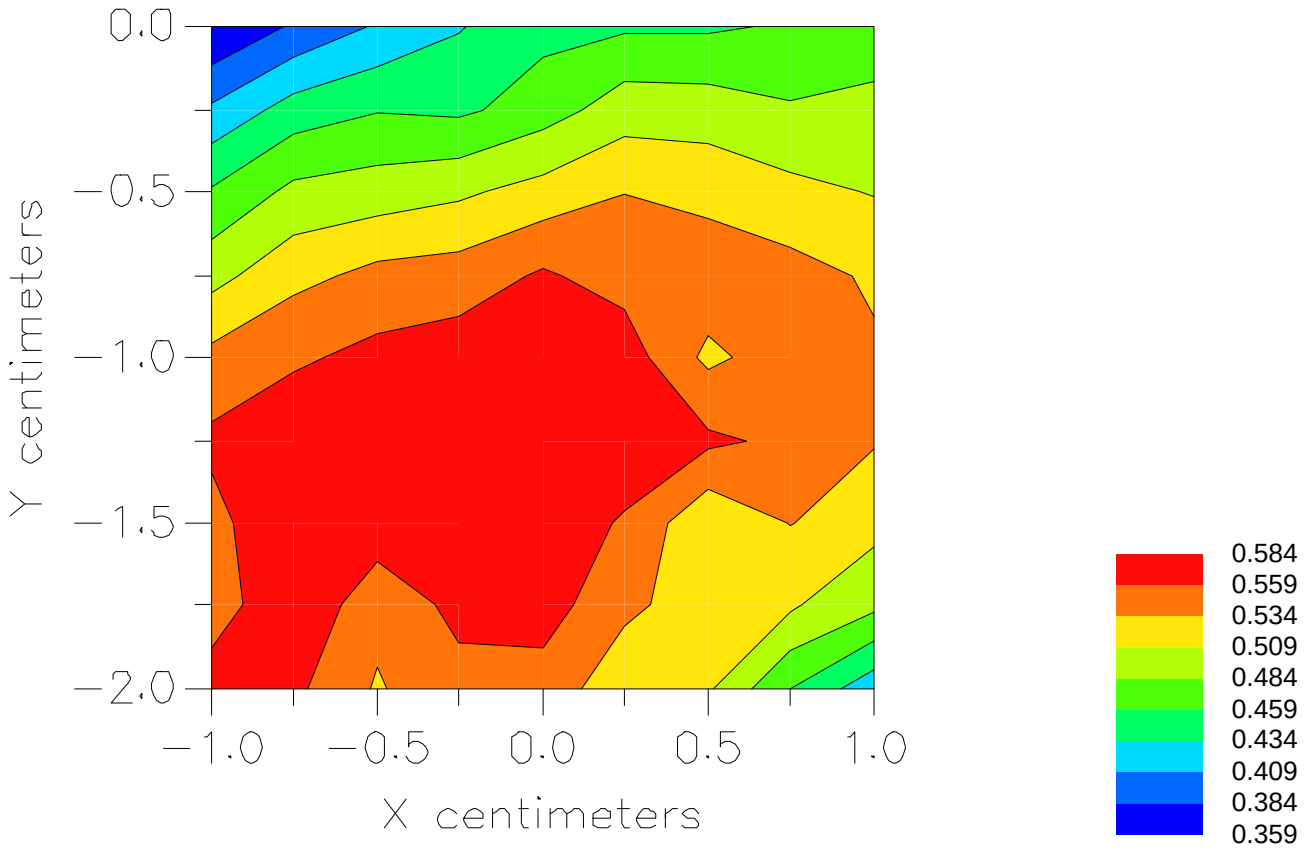
SAR Scan
File : 01042013_ZOOM
Start : 20-Apr-101 02:09:58 pm End : 20-Apr-101 02:17:31 pm
SAMSUNG/SPH-N170/1;836.49MHz;W;Helical/In;
Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 DegreesMuscle/51.700/1.100



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			

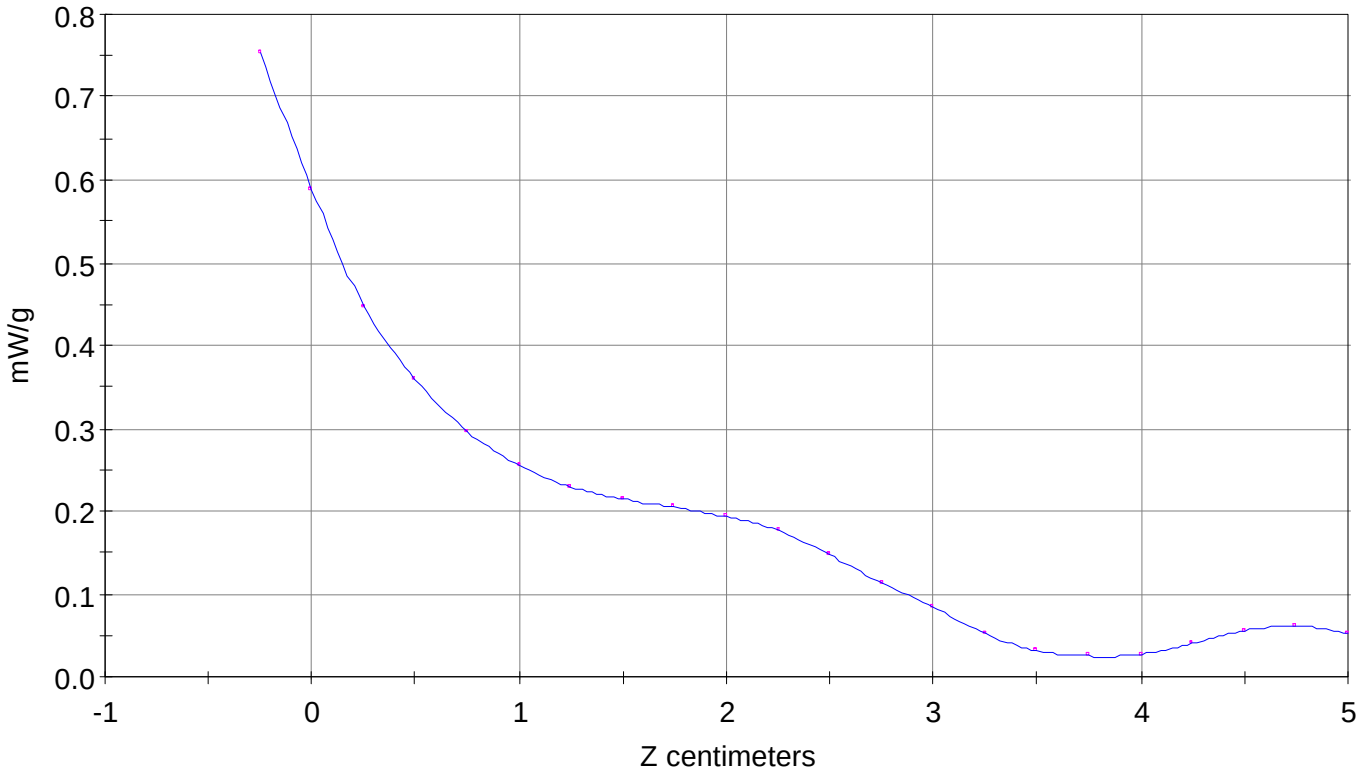
Calc. Voltage @ Surface (Vs) = 0.0091

Voltage @ 1.00 cm (Vt) = 0.0036

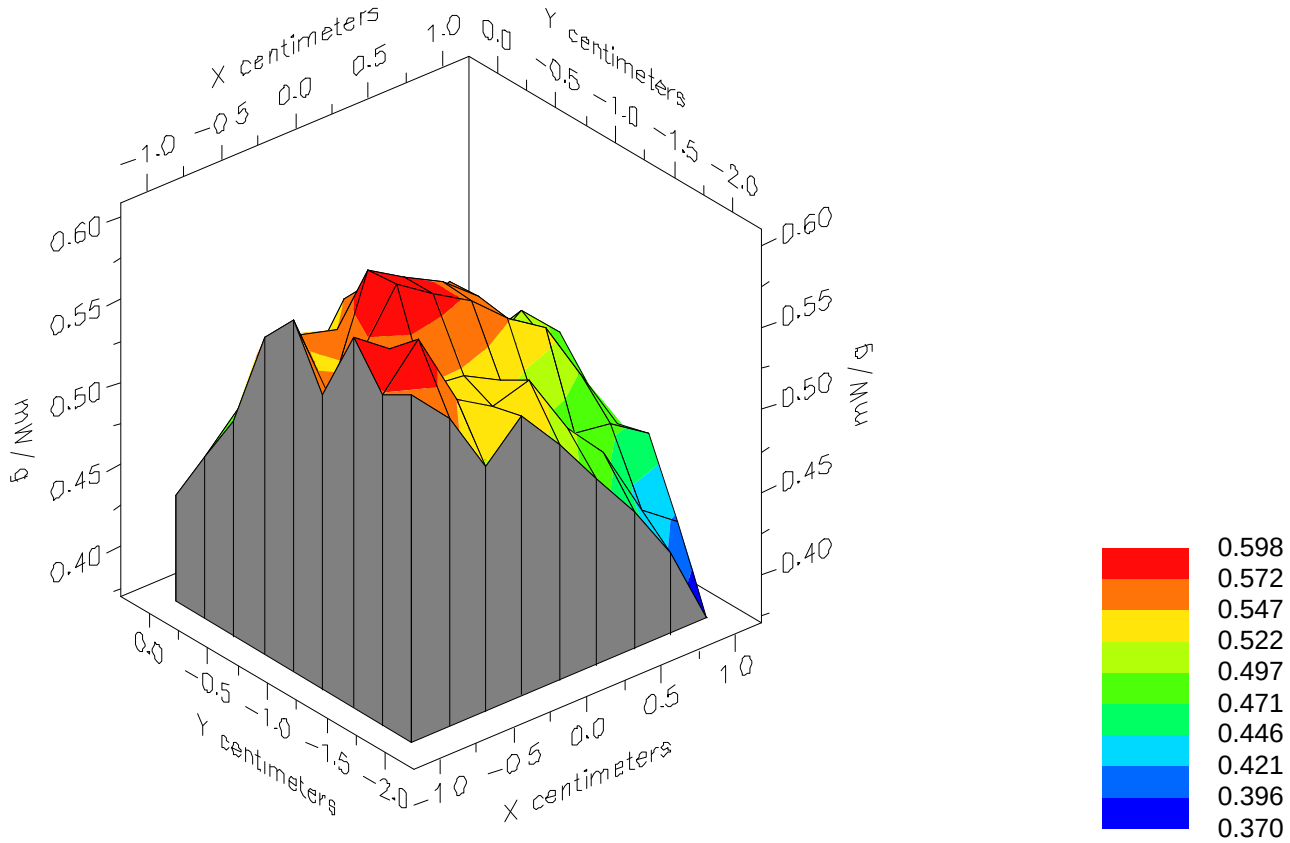
Ave. Voltage (Vs+Vt)/2 = 0.0063

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

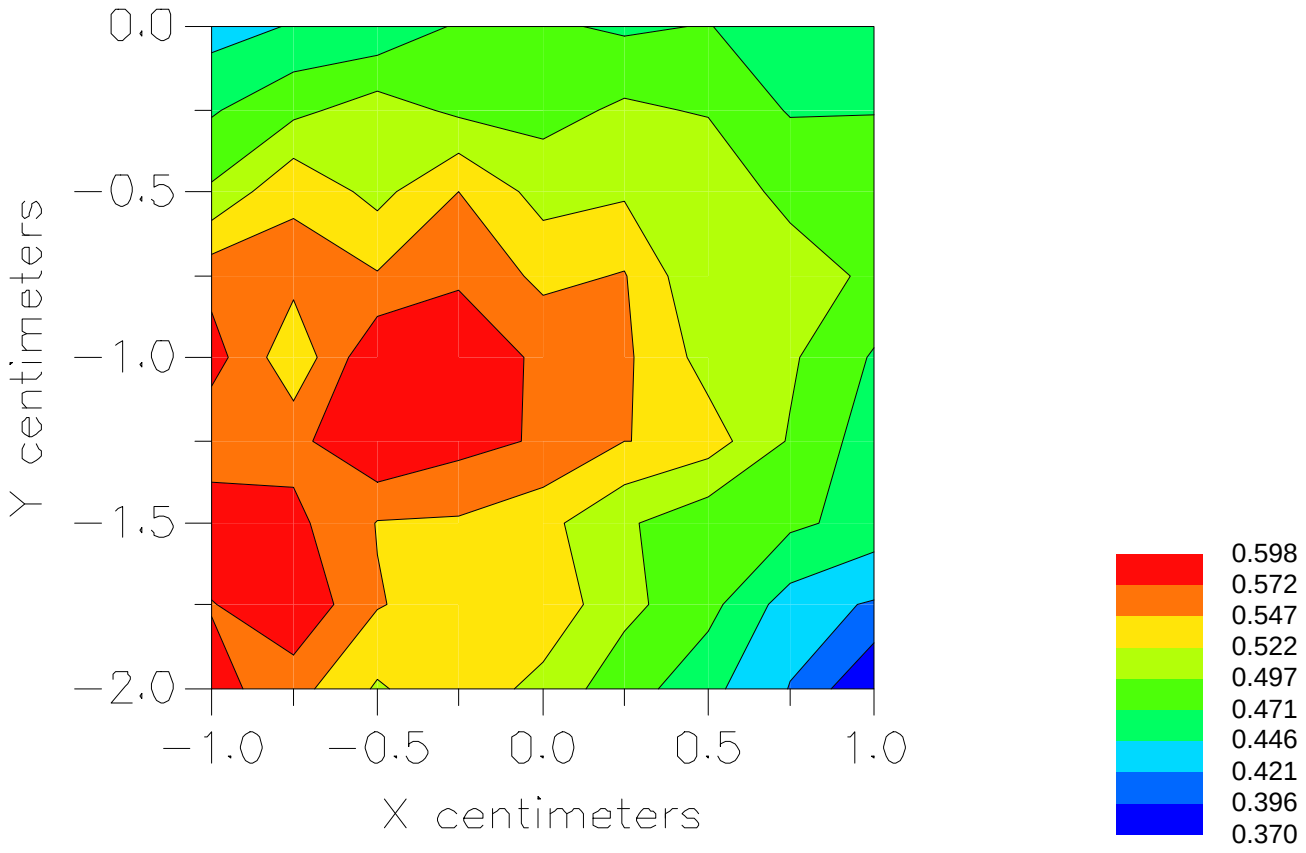
SAR Scan
File : 01042012_ZOOM
Start : 20-Apr-101 01:49:17 pm End : 20-Apr-101 02:00:50 pm
SAMSUNG/SPH-N170/1;836.49MHz;W;Helical/Out;
Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 DegreesMuscle/51.700/1.100



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 : 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			

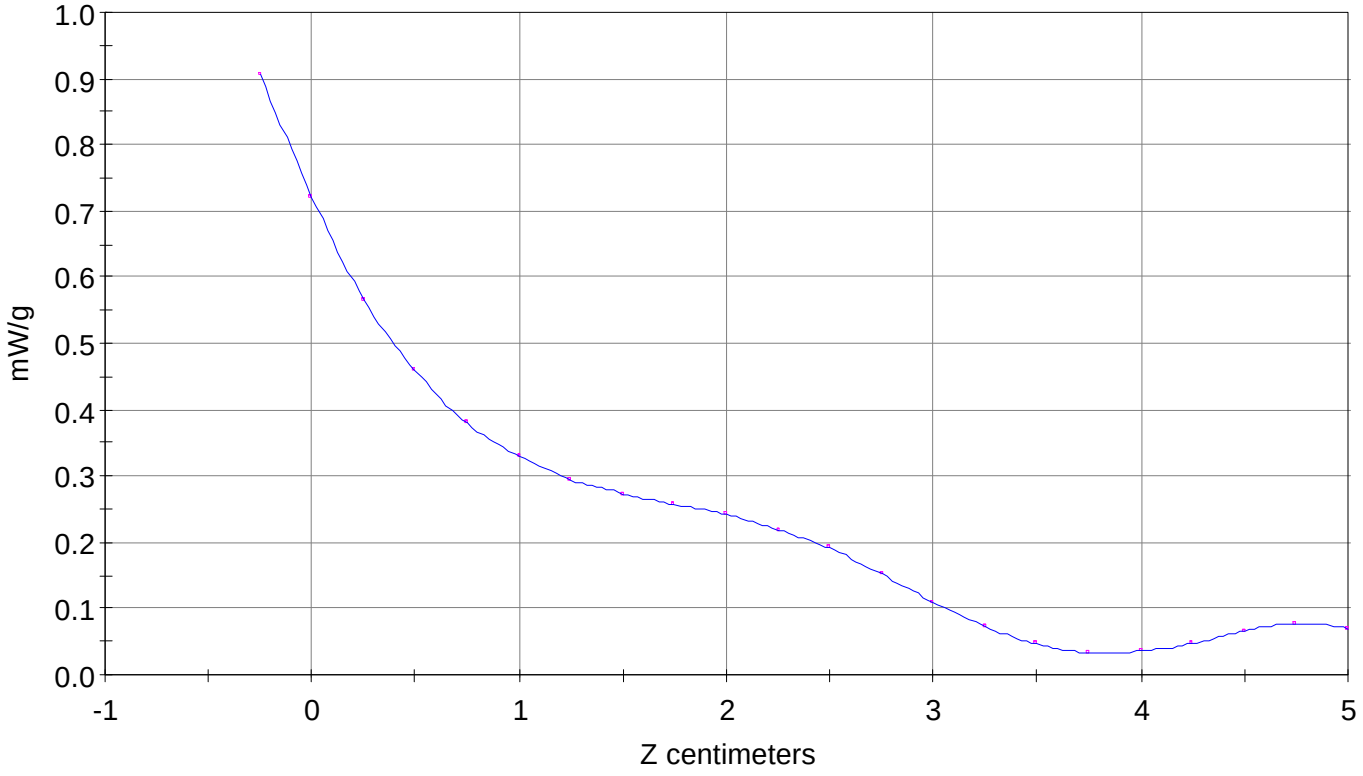
Calc. Voltage @ Surface (Vs) = 0.0110

Voltage @ 1.00 cm (Vt) = 0.0046

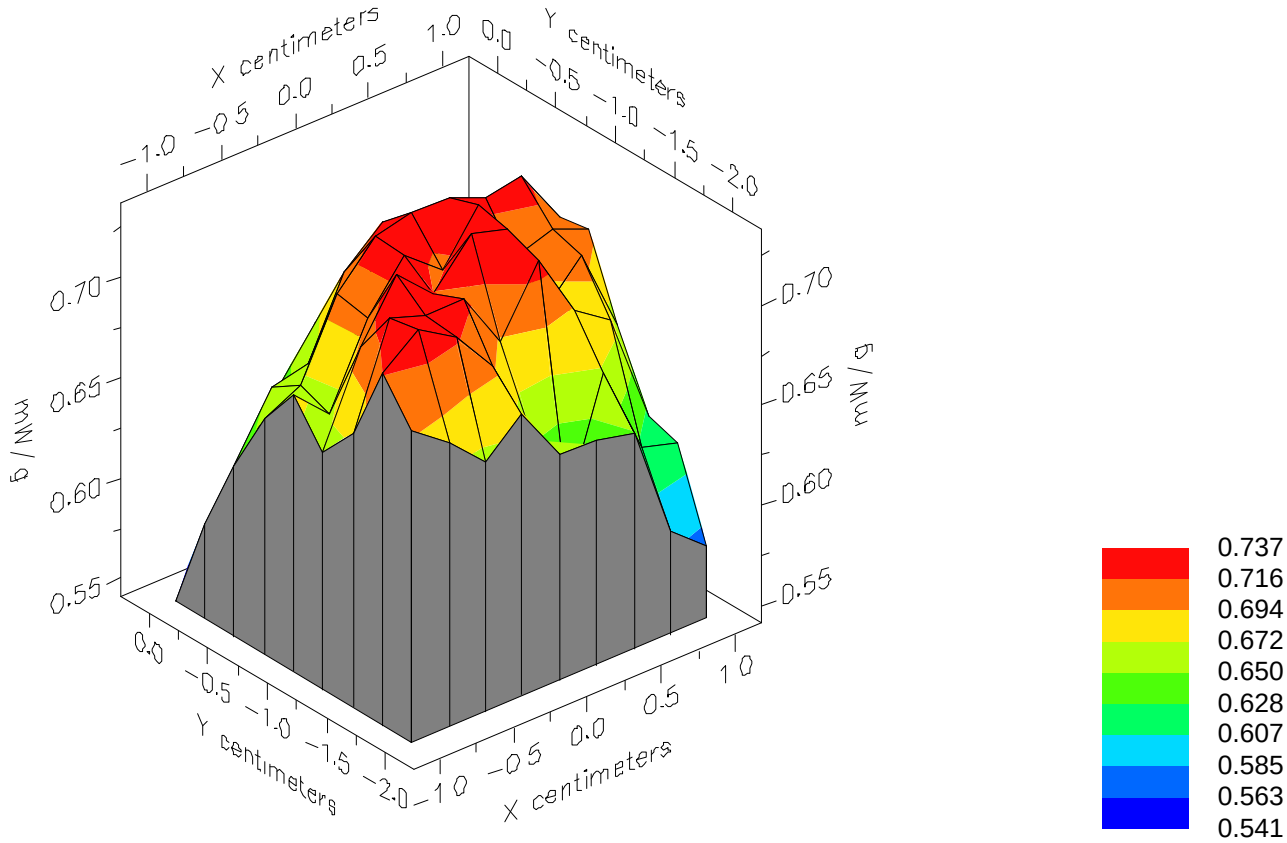
Ave. Voltage (Vs+Vt)/2 = 0.0078

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

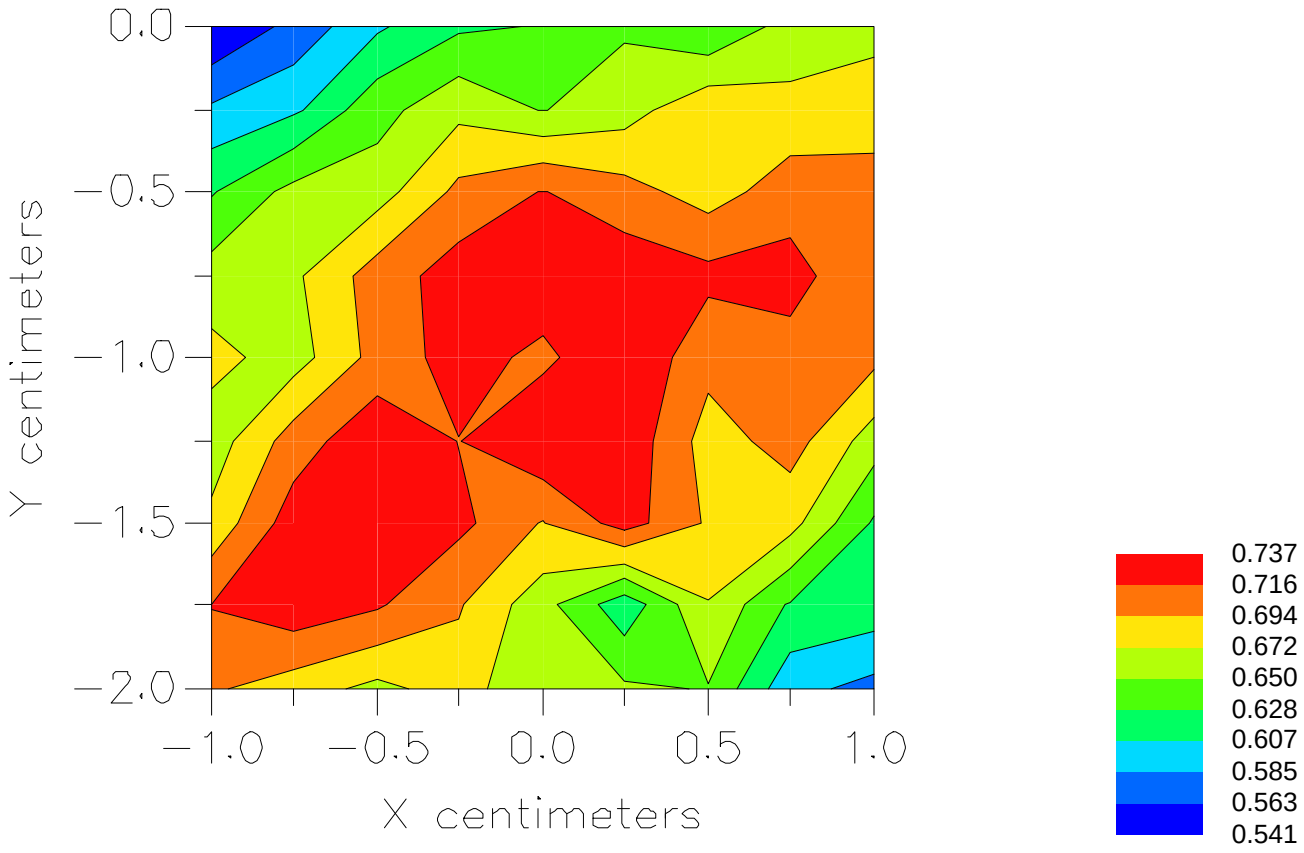
SAR Scan
File : 01042011_ZOOM
Start : 20-Apr-101 01:17:30 pm End : 20-Apr-101 01:28:47 pm
SAMSUNG/SPH-N170/1;848.97MHz;W;Helical/In;
Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 DegreesMuscle/51.700/1.100



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 : 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			

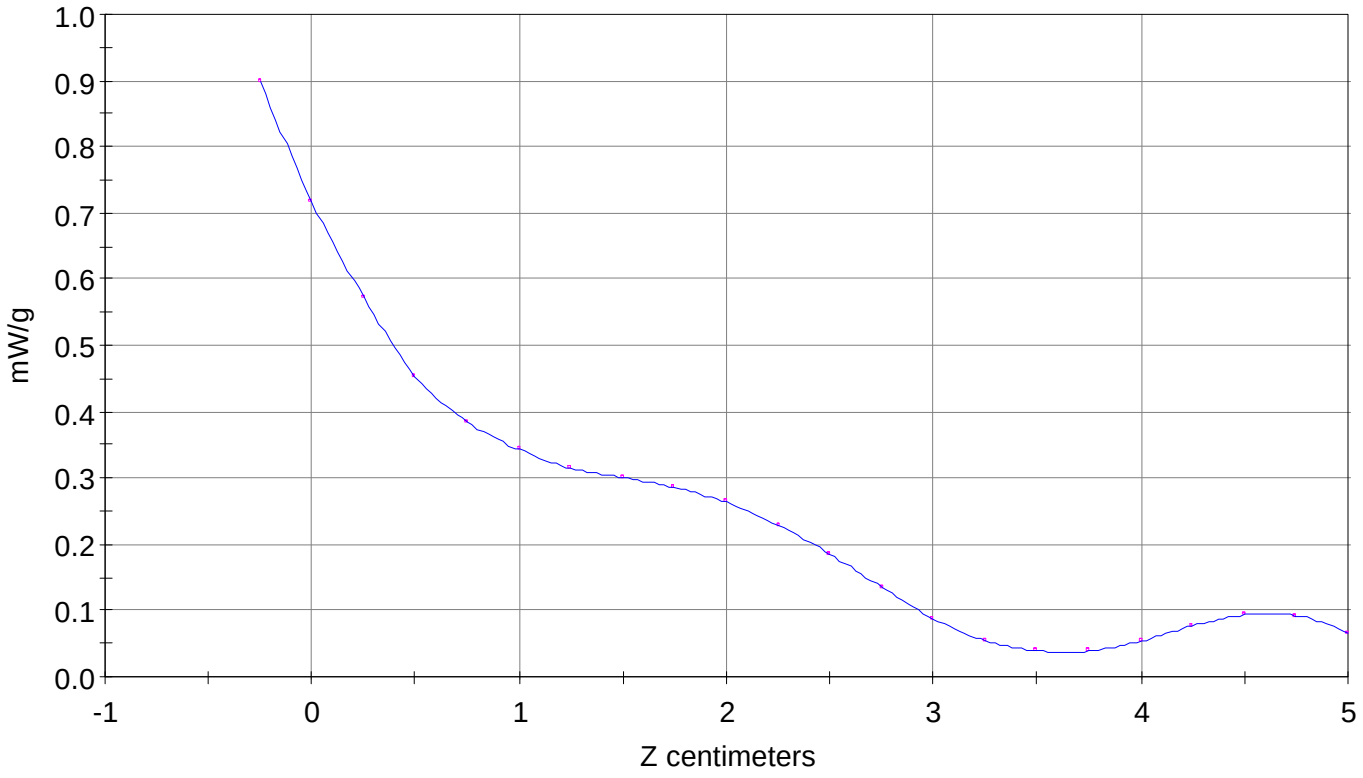
Calc. Voltage @ Surface (Vs) = 0.0109

Voltage @ 1.00 cm (Vt) = 0.0047

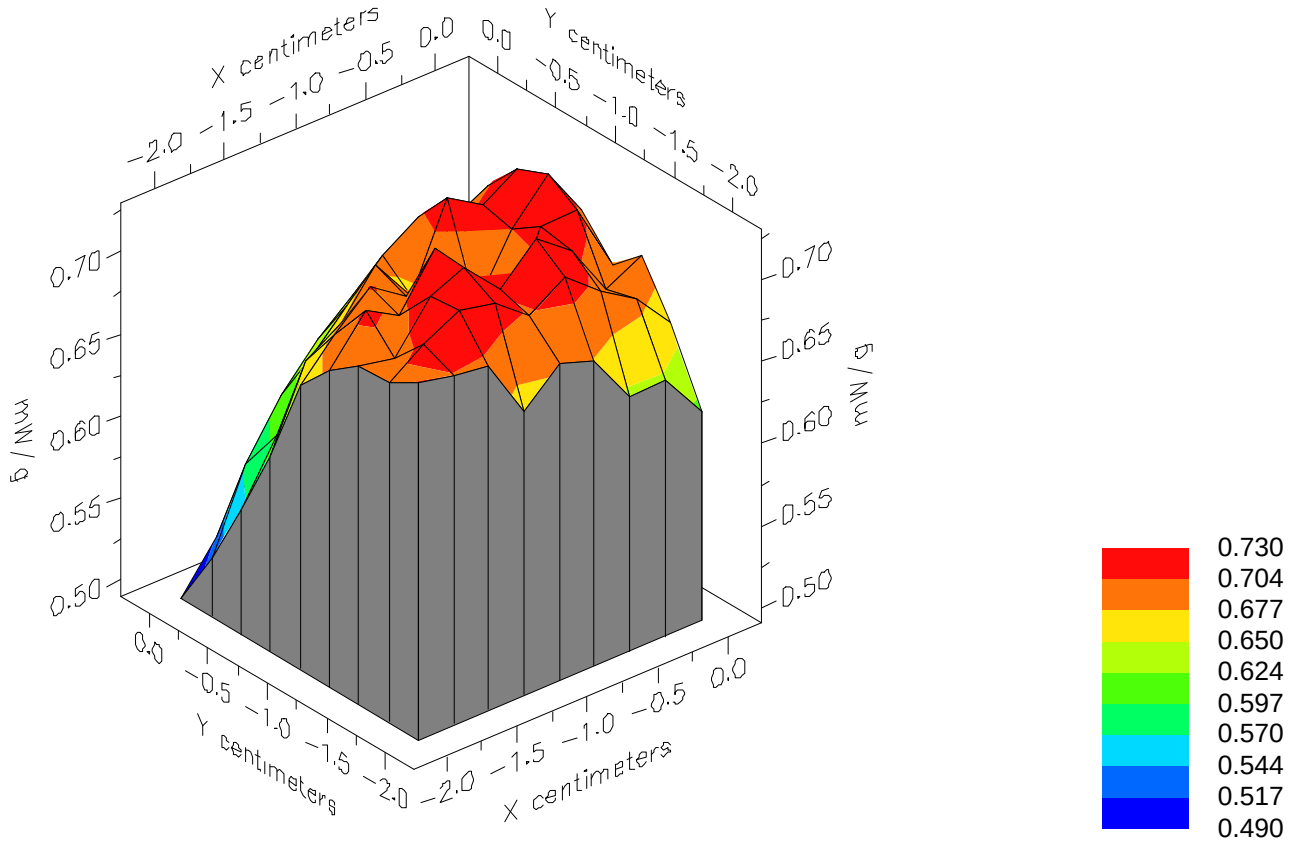
Ave. Voltage (Vs+Vt)/2 = 0.0078

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

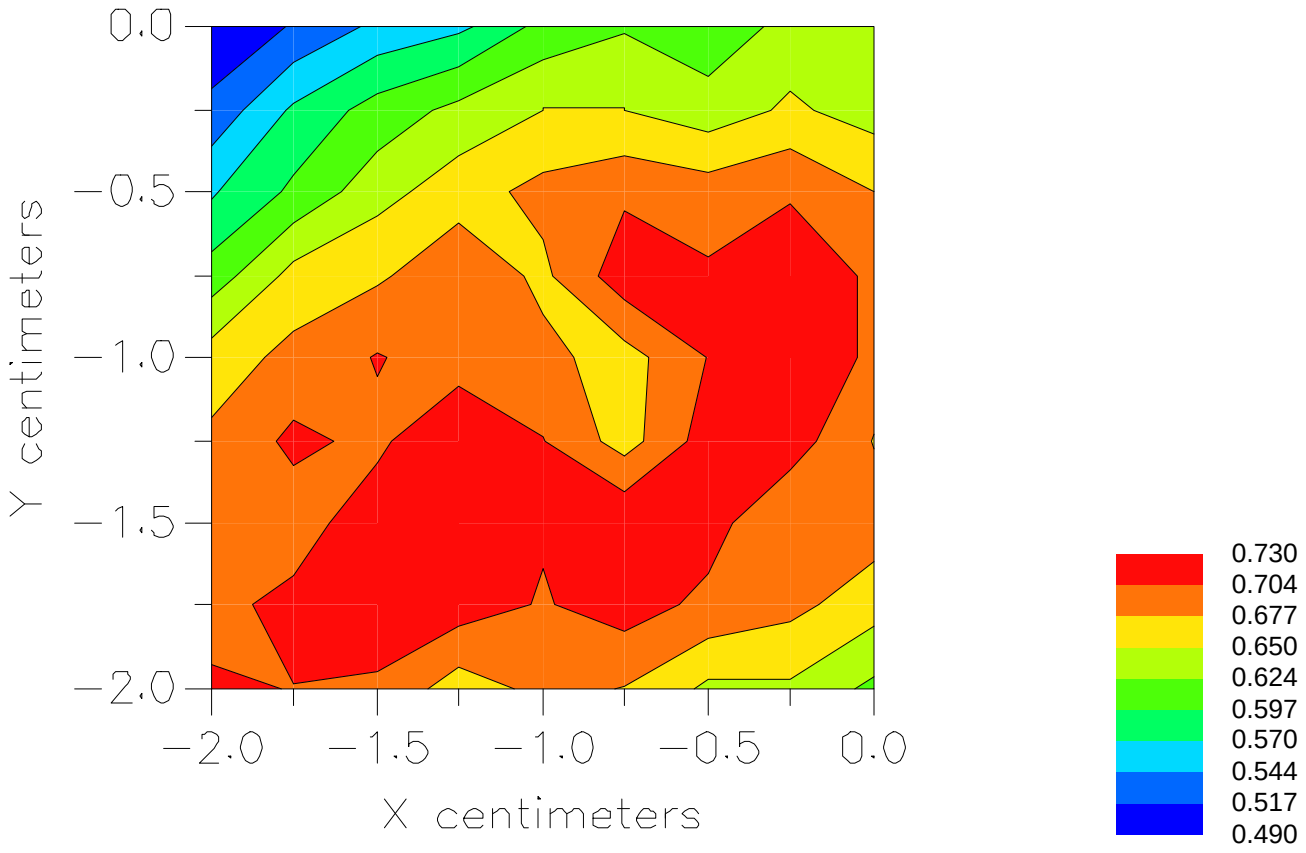
SAR Scan
File : 01042010_ZOOM
Start : 20-Apr-101 12:56:40 pm End : 20-Apr-101 01:07:16 pm
SAMSUNG/SPH-N170/1;848.97MHz;W;Helical/Out;
Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 DegreesMuscle/51.700/1.100



File : 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 : 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			

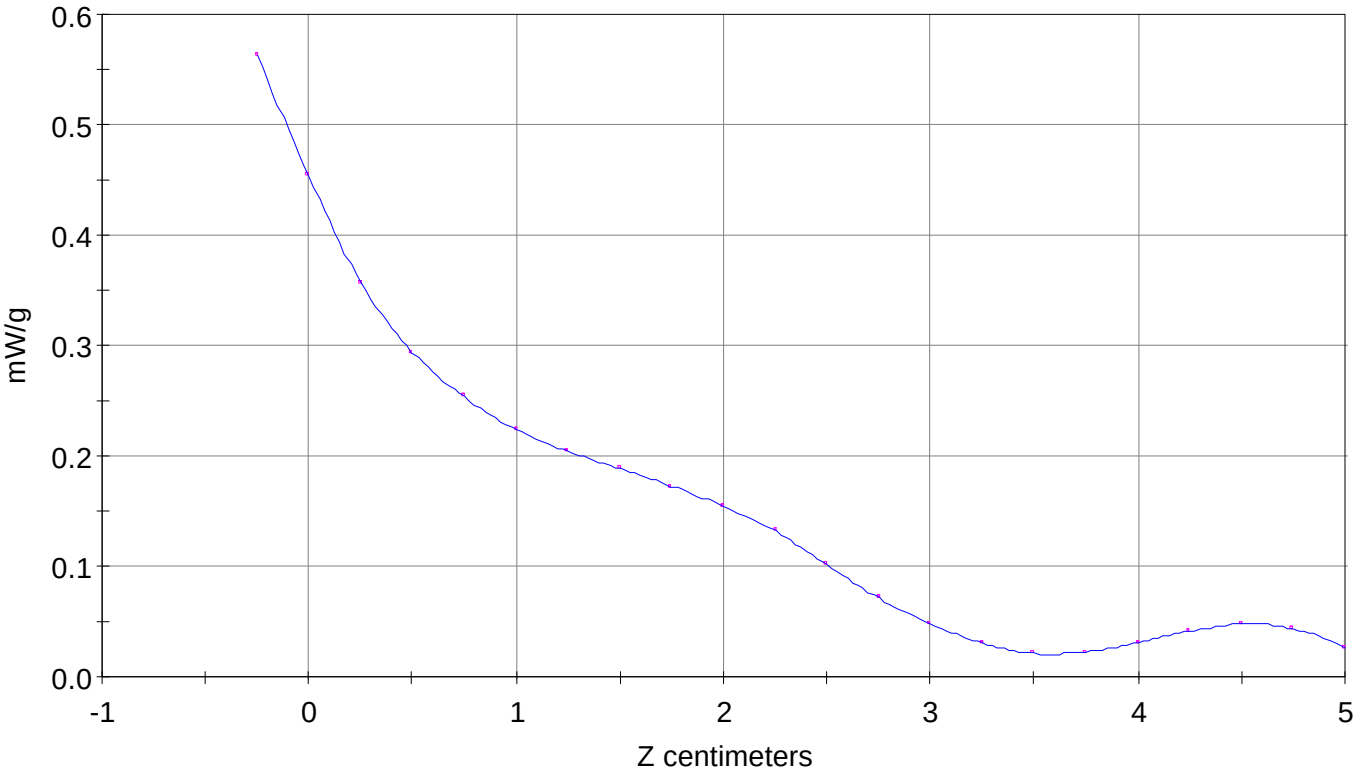
Calc. Voltage @ Surface (Vs) = 0.0068

Voltage @ 1.00 cm (Vt) = 0.0031

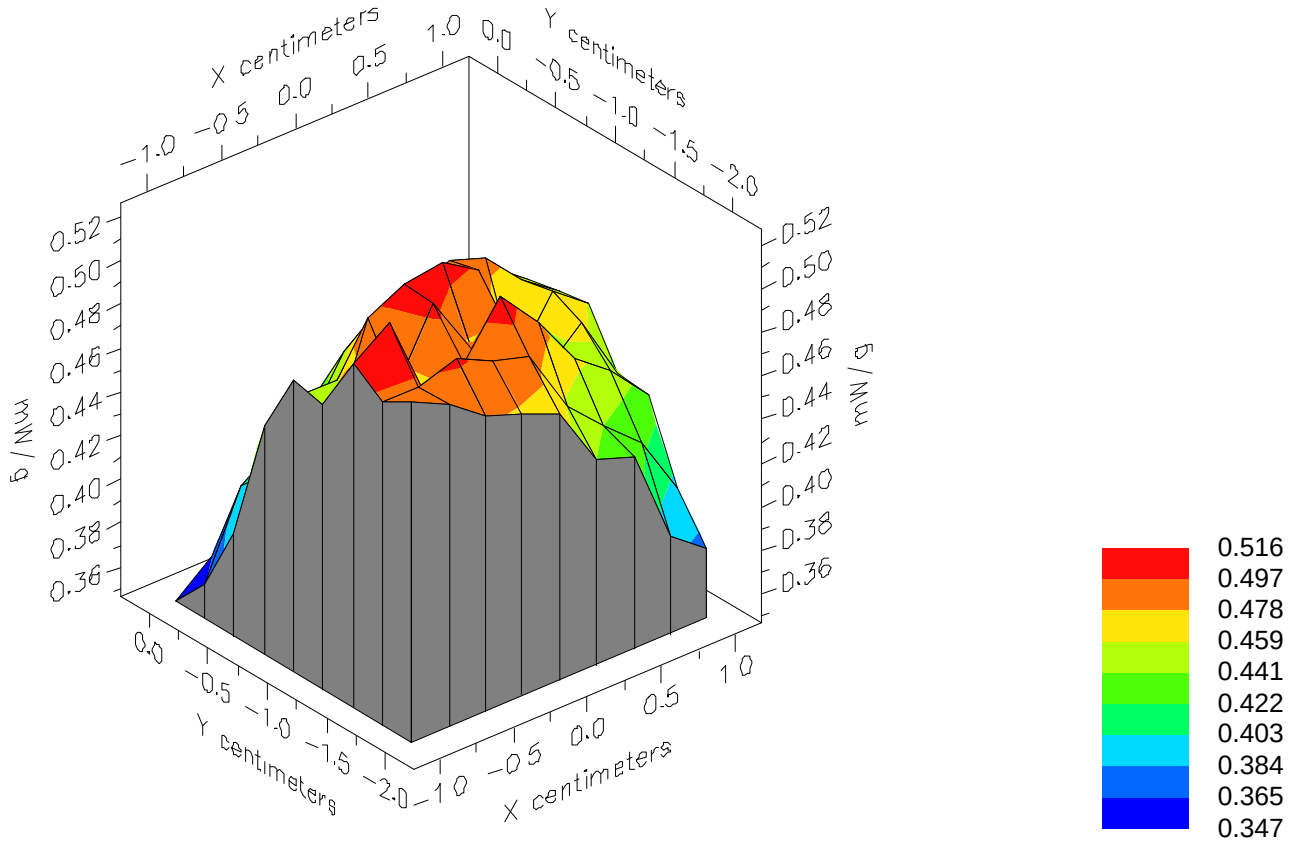
Ave. Voltage (Vs+Vt)/2 = 0.0049

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

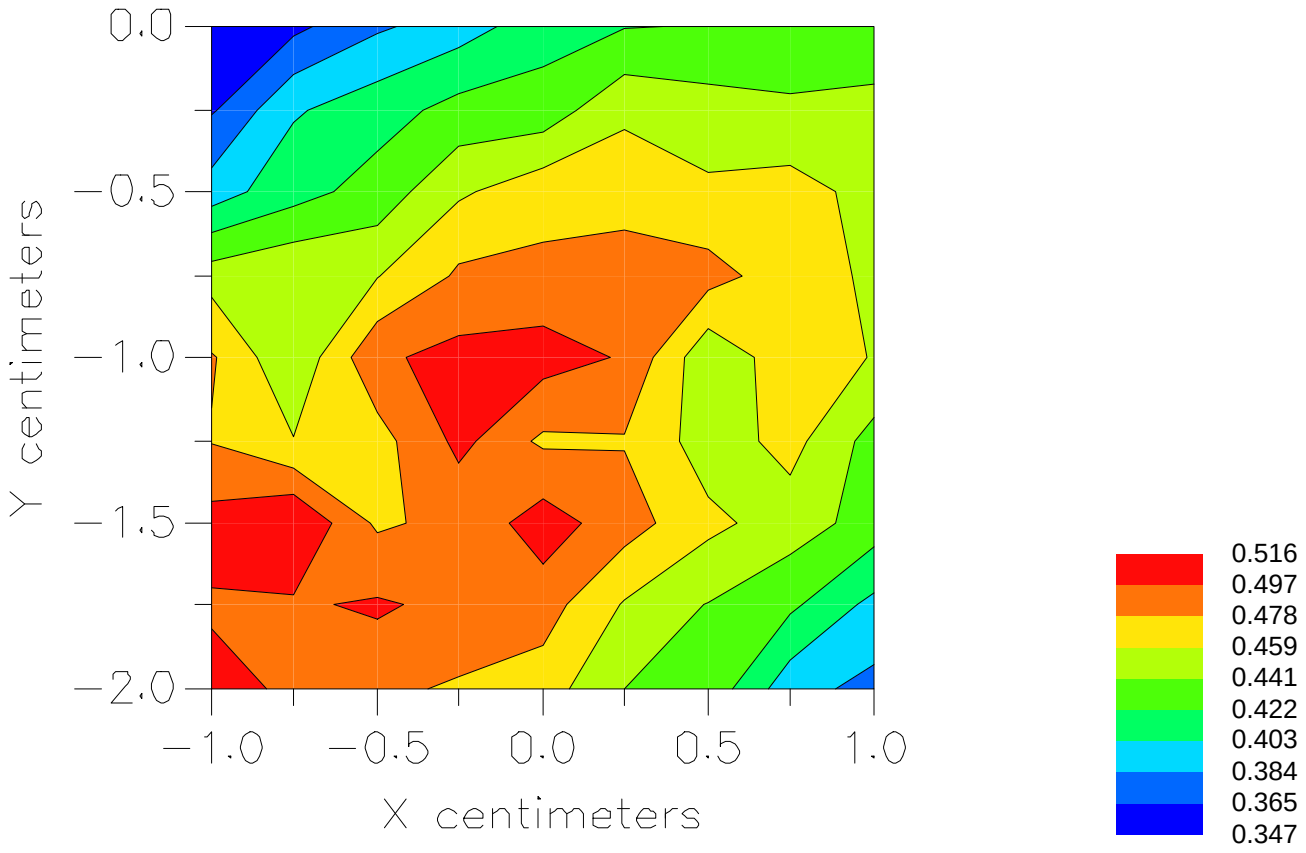
SAR Scan
File : 01042018_ZOOM
Start : 20-Apr-101 04:27:02 pm End : 20-Apr-101 04:38:41 pm
SAMSUNG/SPH-N170/1;824.70MHz;W;Helical/In;
Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 DegreesMuscle/51.700/1.100



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			

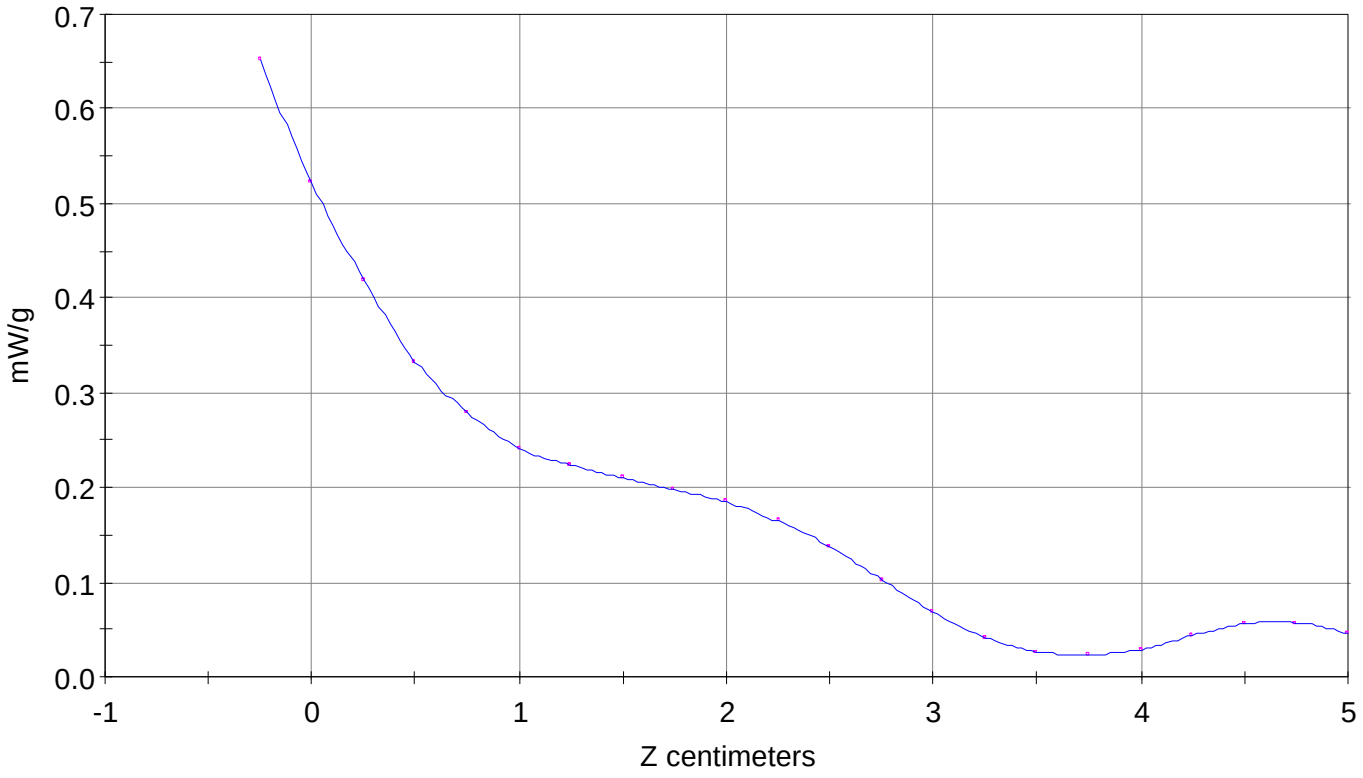
Calc. Voltage @ Surface (Vs) = 0.0079

Voltage @ 1.00 cm (Vt) = 0.0034

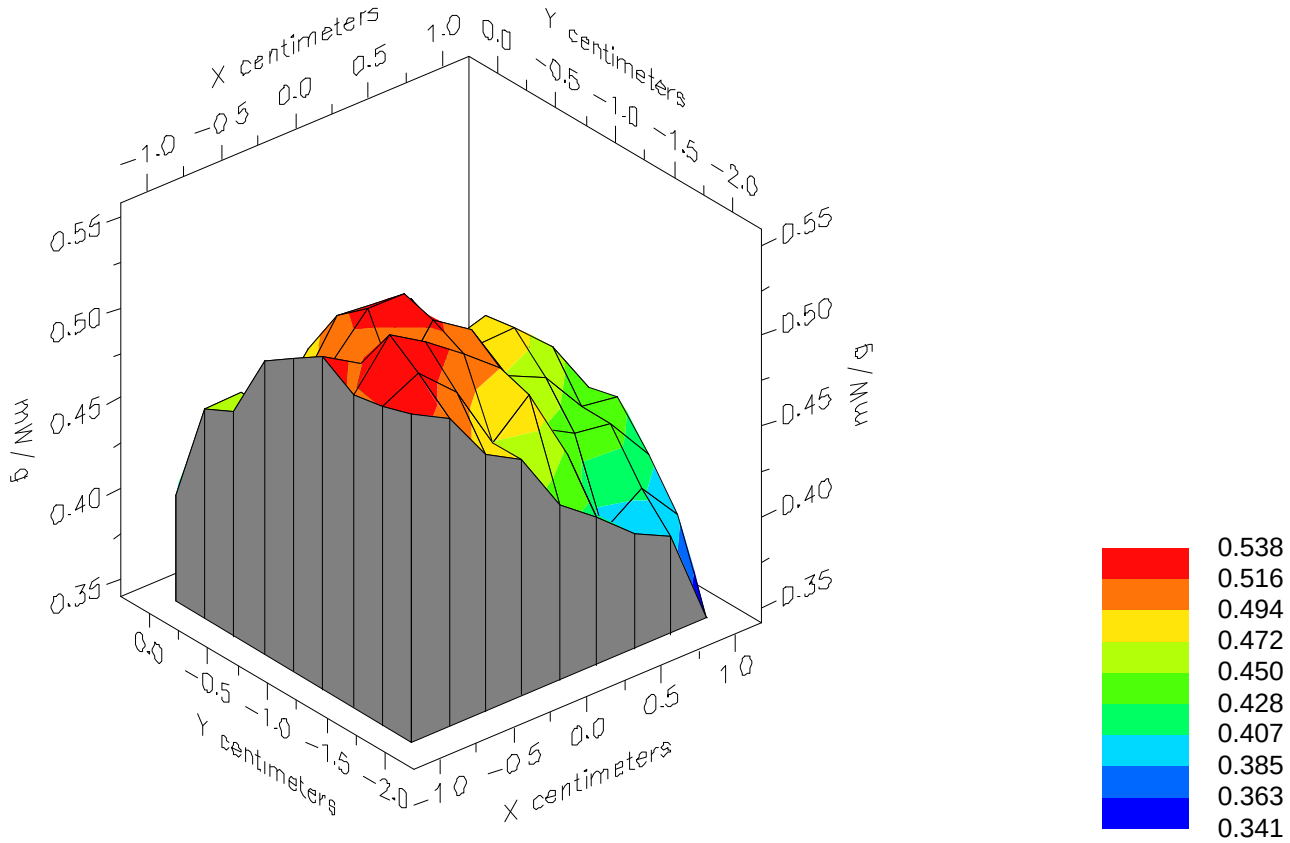
Ave. Voltage (Vs+Vt)/2 = 0.0056

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

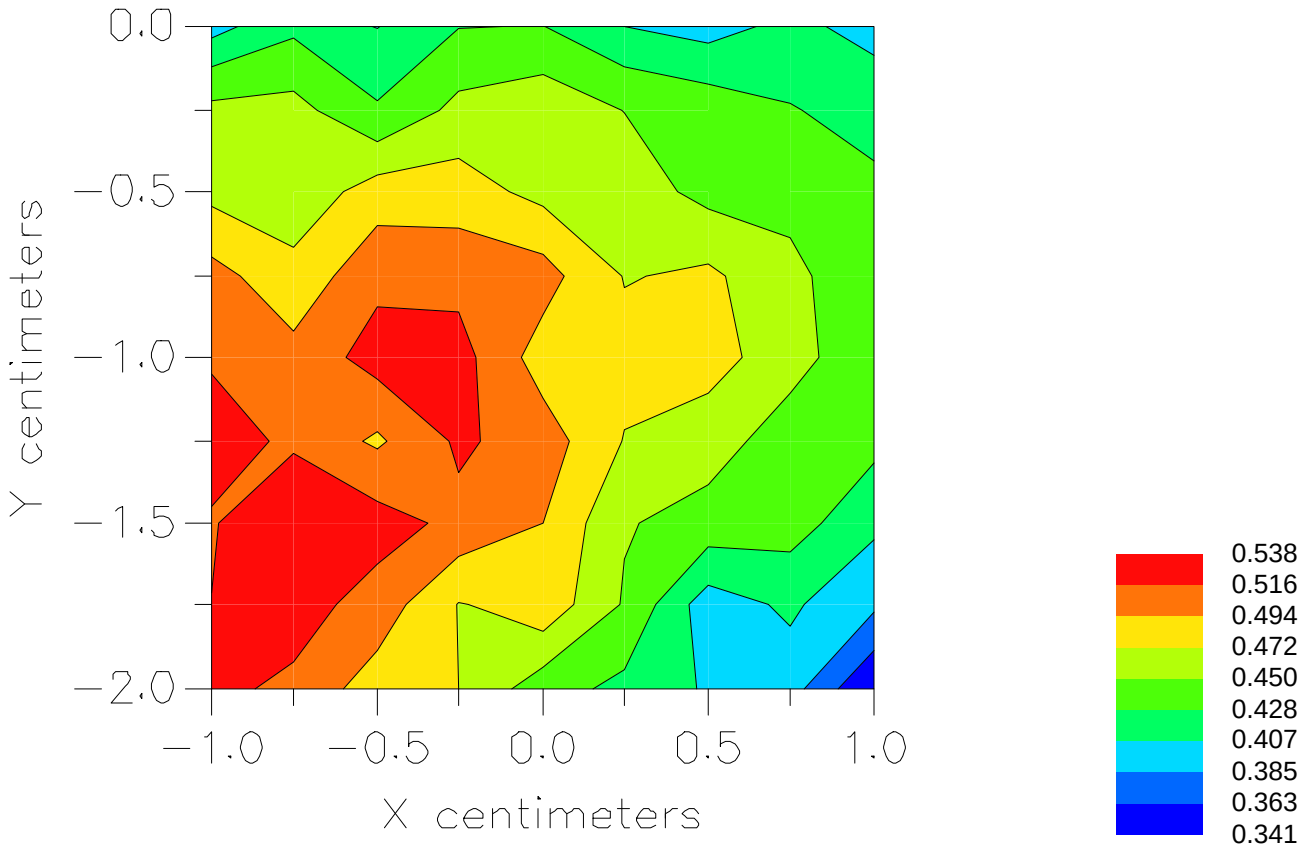
SAR Scan
File : 01042016_ZOOM
Start : 20-Apr-101 03:50:45 pm End : 20-Apr-101 04:02:28 pm
SAMSUNG/SPH-N170/1;824.70MHz;W;Helical/Out;
Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 DegreesMuscle/51.700/1.100



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

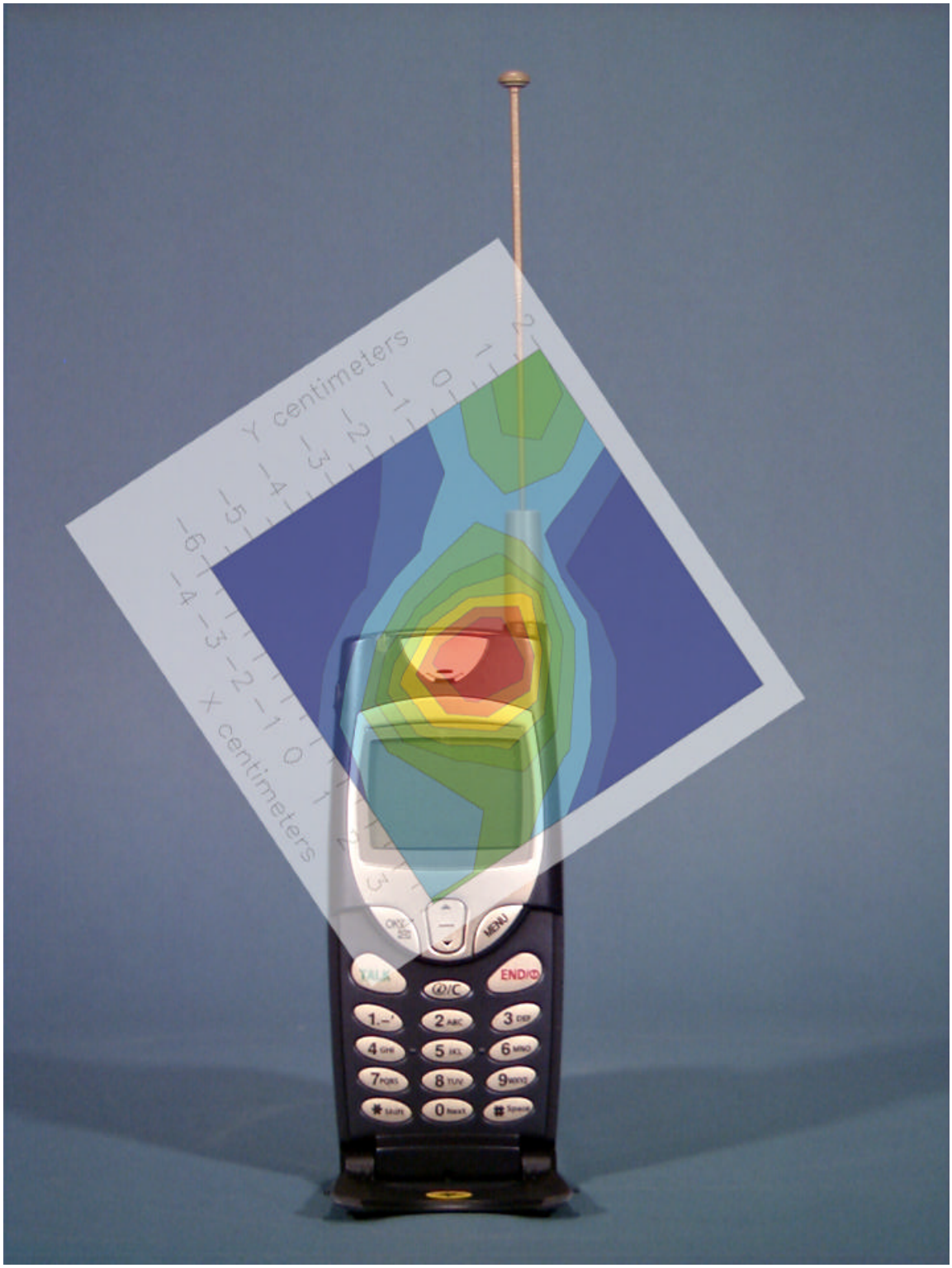


File : 01042016_ZOOM
Start : 20-Apr-101 03:50:45 pm End : 20-Apr-101 04:02:28 pm
SAMSUNG/SPH-N170/1;824.70MHz;W;Helical/Out;
Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 DegreesMuscle/51.700/1.100



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			

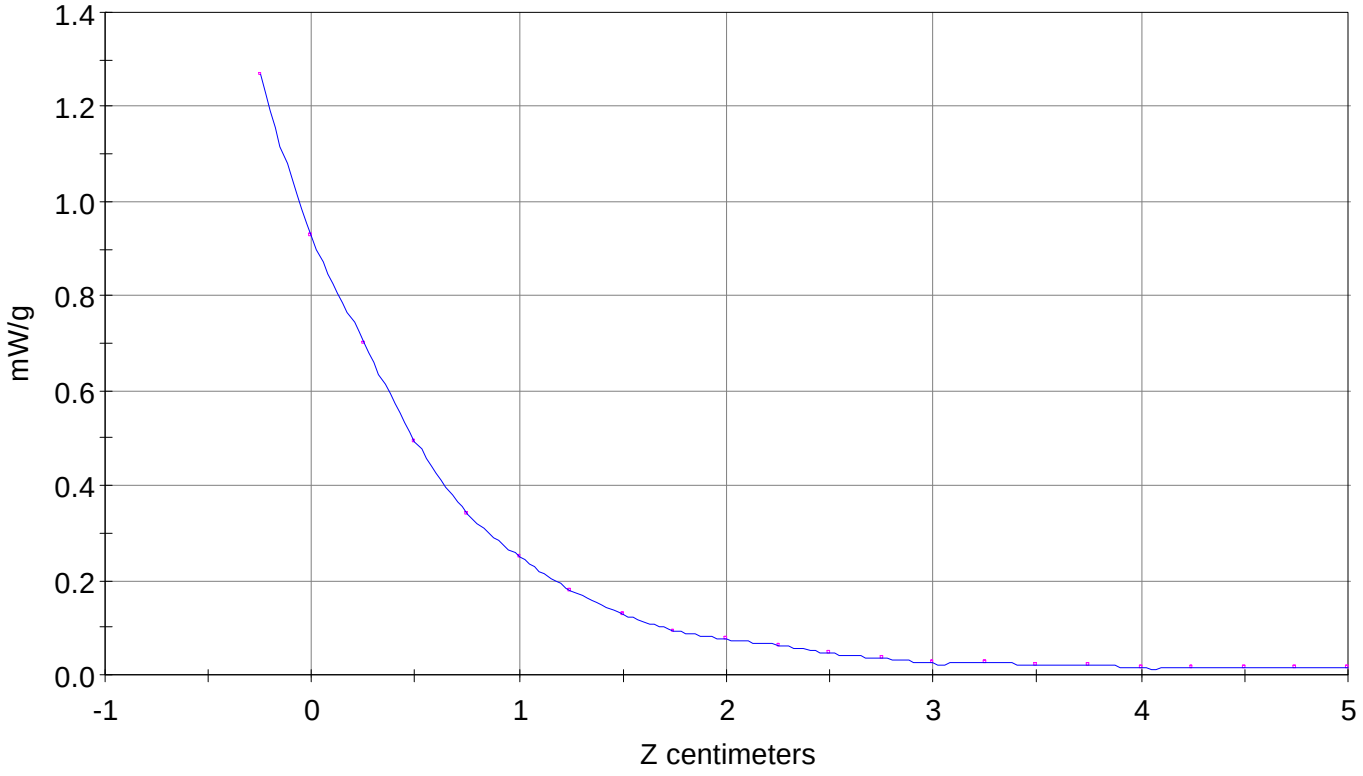
Calc. Voltage @ Surface (Vs) = 0.0114

Voltage @ 1.00 cm (Vt) = 0.0031

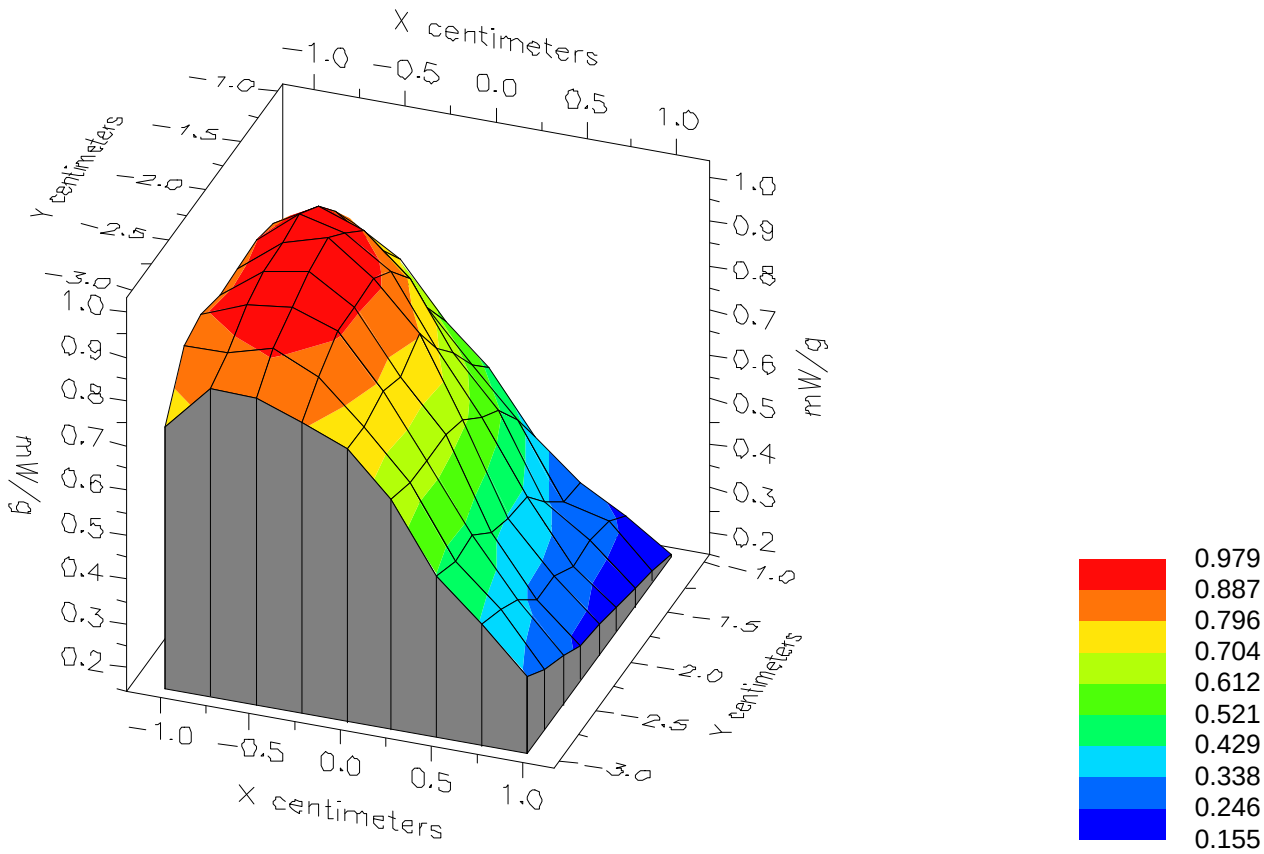
Ave. Voltage (Vs+Vt)/2 = 0.0072

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

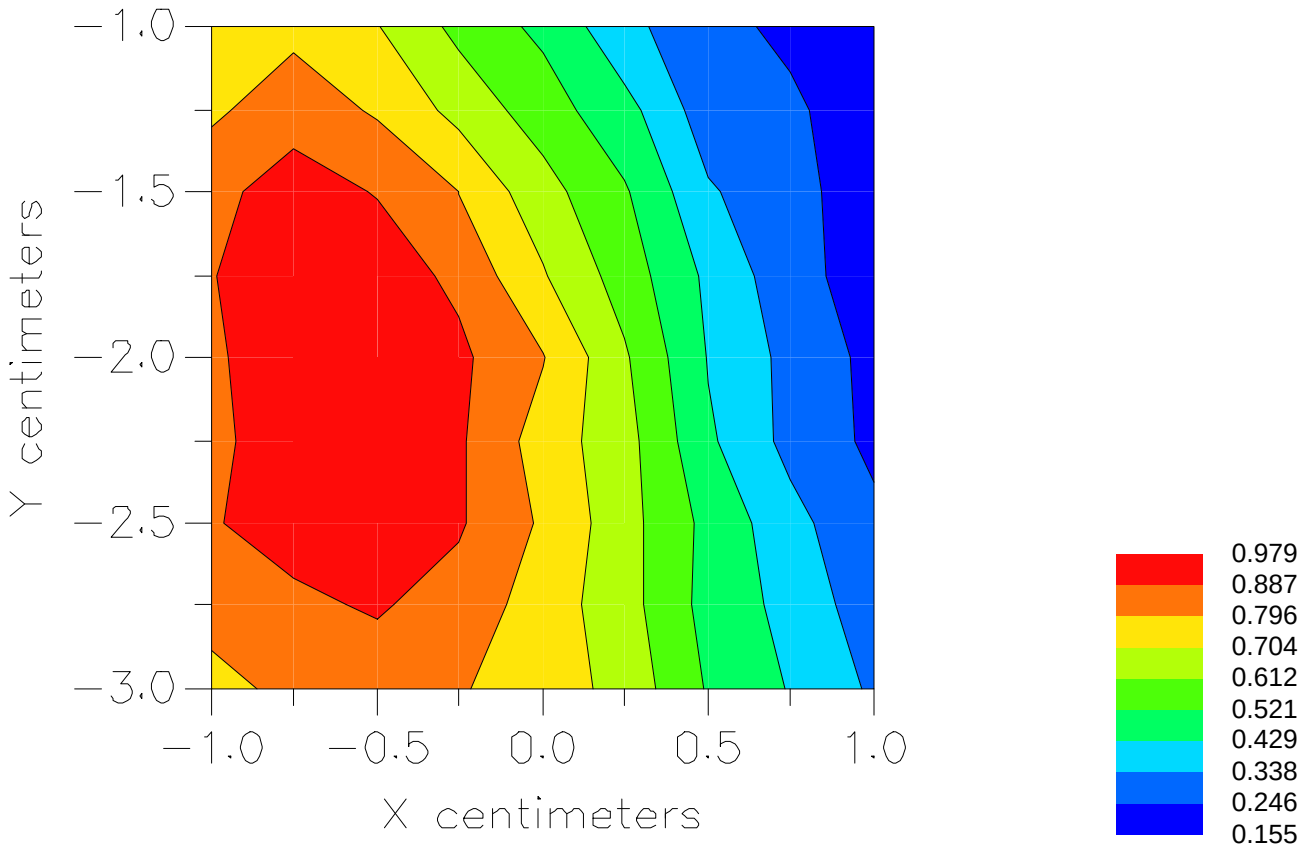
SAR Scan
File : 01042006_ZOOM
Start : 20-Apr-101 10:55:42 am End : 20-Apr-101 11:07:43 am
SAMSUNG/SPH-N170/1;1851.25MHz;W;Helical/In;
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/40.400/1.820



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			

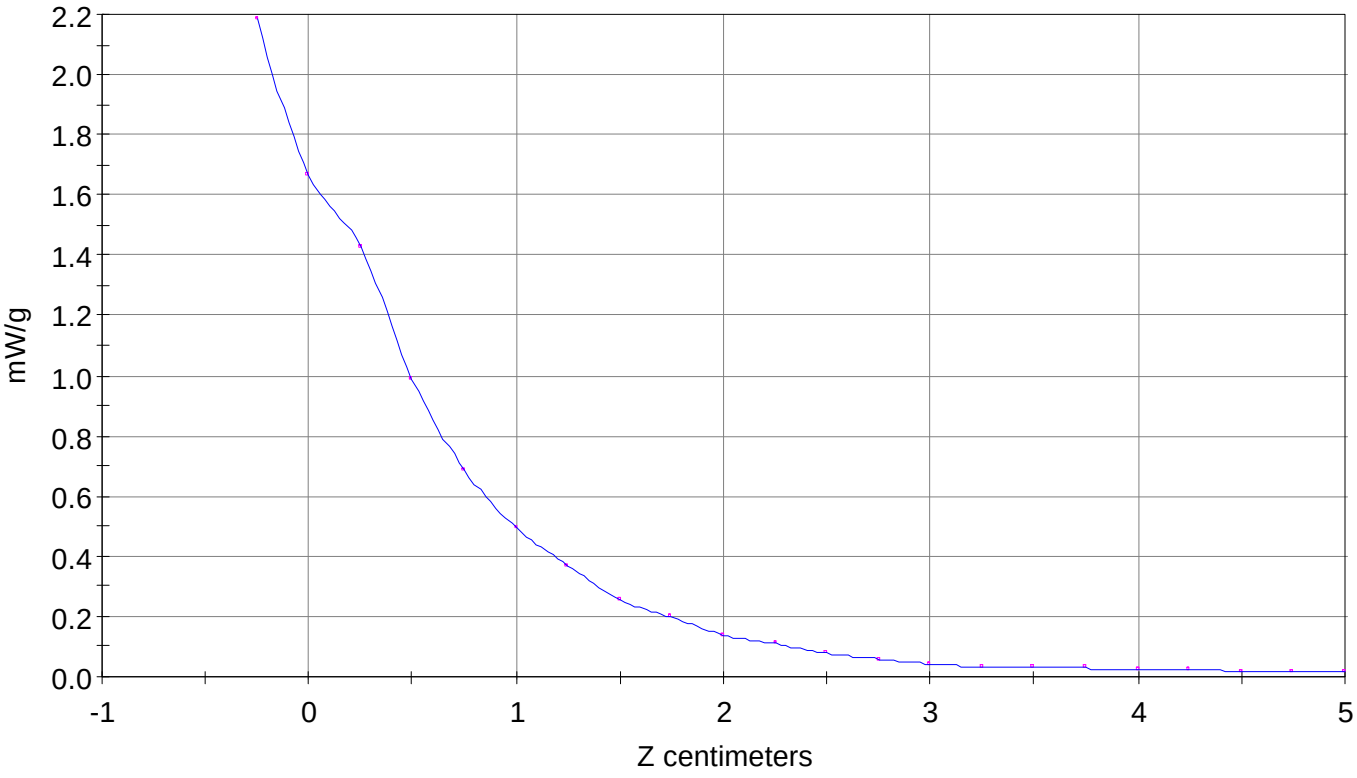
Calc. Voltage @ Surface (Vs) = 0.0196

Voltage @ 1.00 cm (Vt) = 0.0062

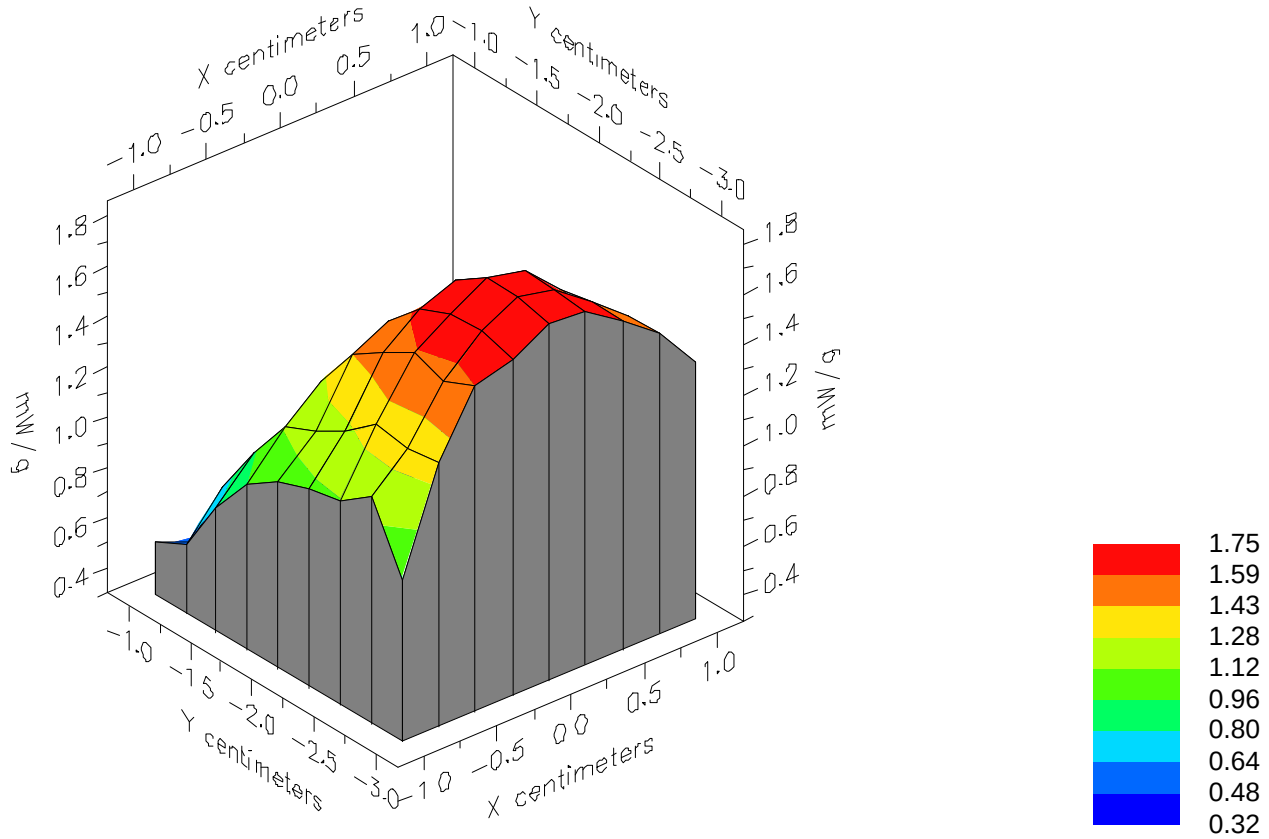
Ave. Voltage (Vs+Vt)/2 = 0.0129

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

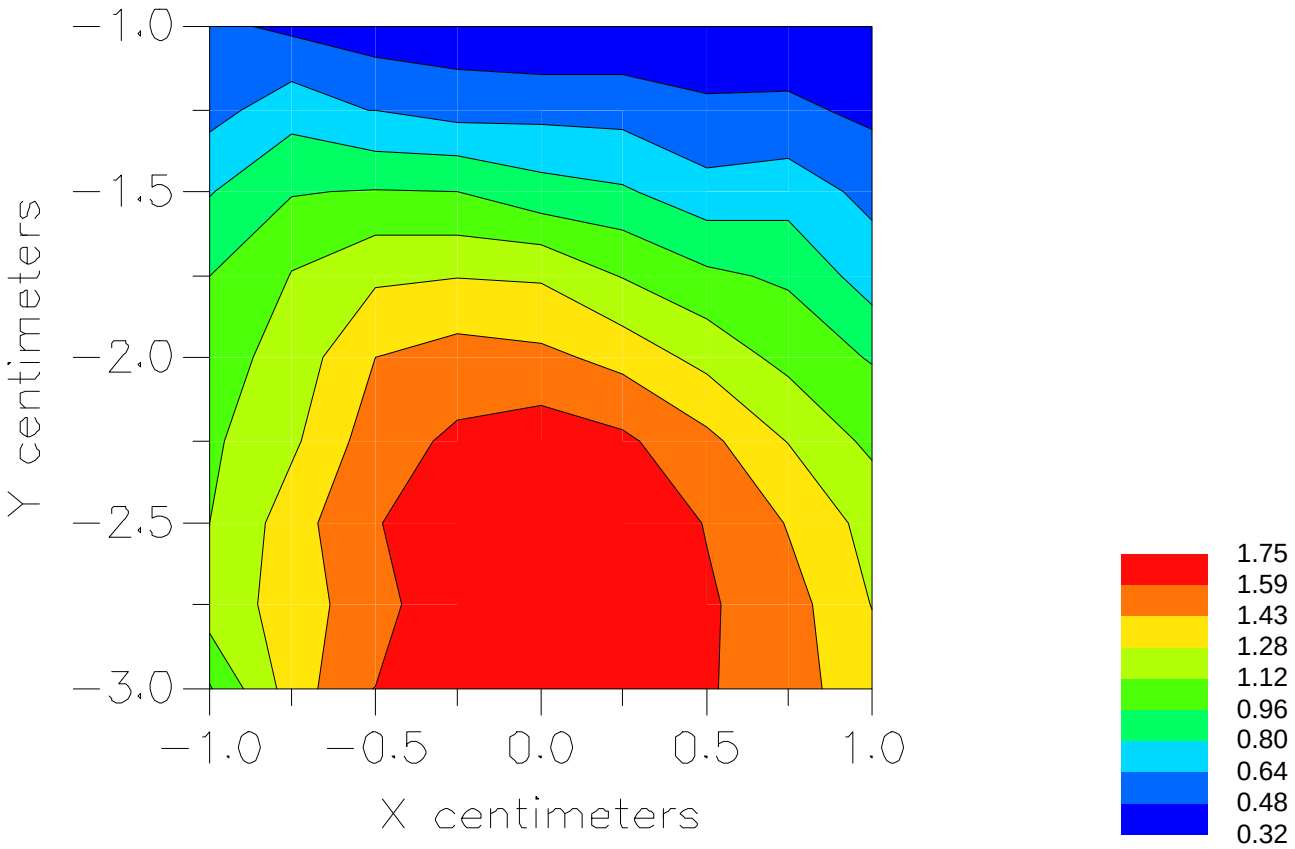
SAR Scan
File : 01042005_ZOOM
Start : 20-Apr-101 10:41:41 am End : 20-Apr-101 10:53:42 am
SAMSUNG/SPH-N170/1;1851.25MHz;W;Helical/Out;
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/40.400/1.820



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			

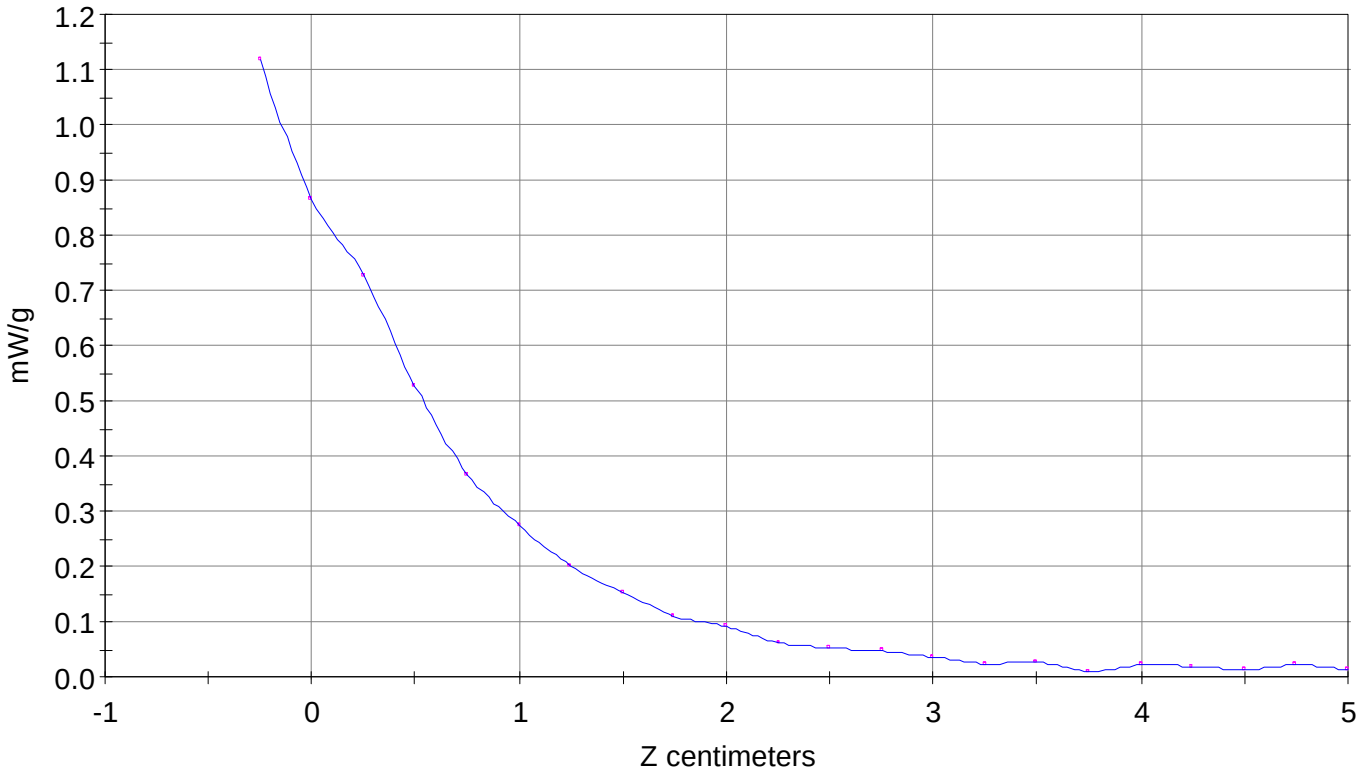
Calc. Voltage @ Surface (Vs) = 0.0100

Voltage @ 1.00 cm (Vt) = 0.0033

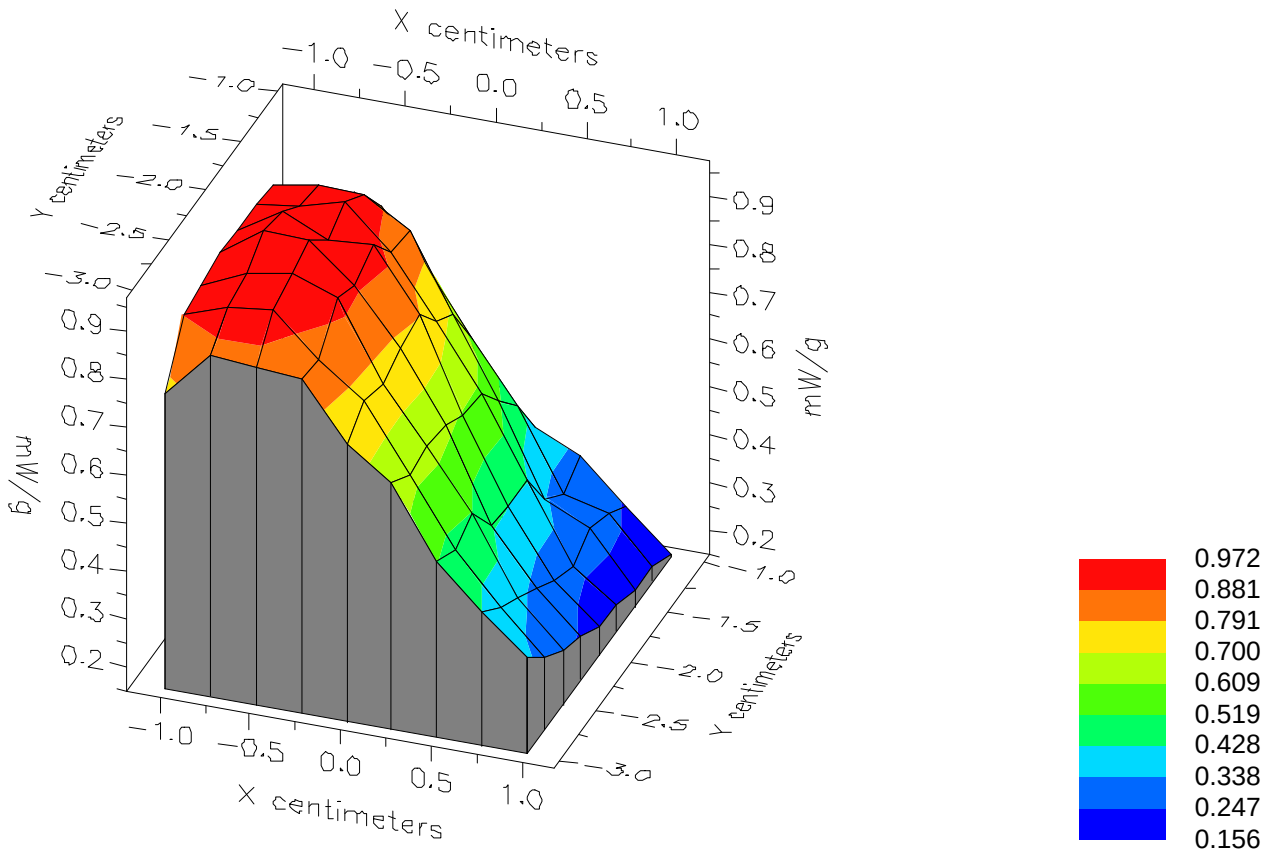
Ave. Voltage (Vs+Vt)/2 = 0.0067

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

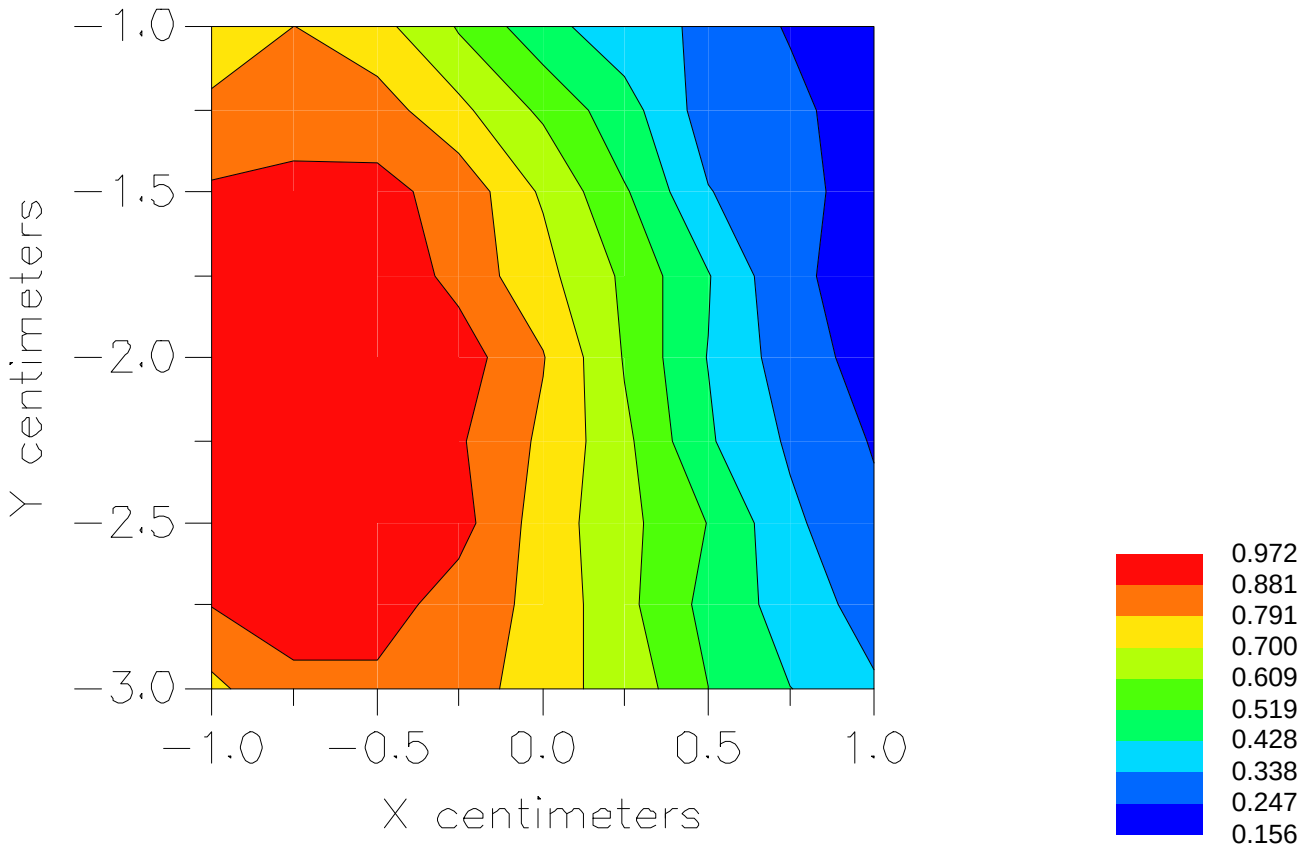
SAR Scan
File : 01042004_ZOOM
Start : 20-Apr-101 10:25:56 am End : 20-Apr-101 10:35:04 am
SAMSUNG/SPH-N170/1;1880.00MHz;W;Helical/In;
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/40.400/1.820



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			

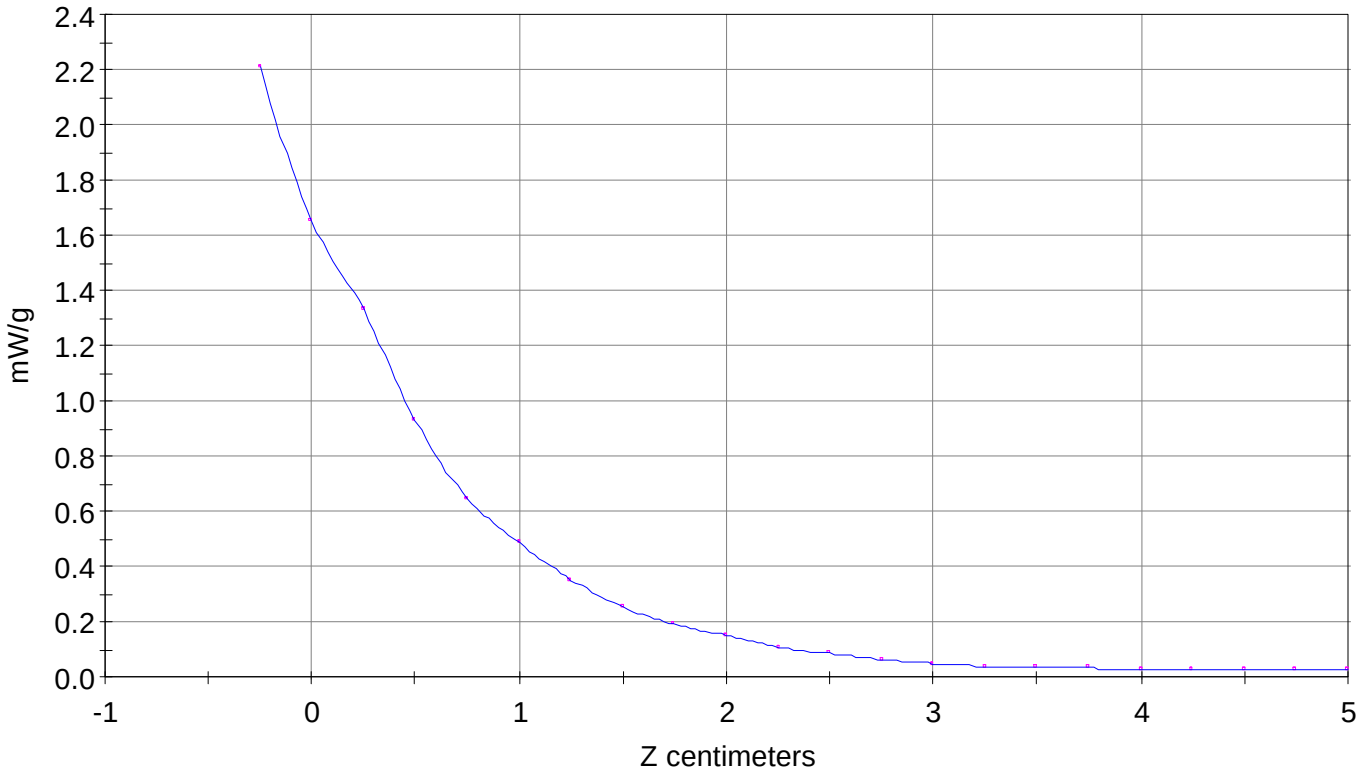
Calc. Voltage @ Surface (Vs) = 0.0198

Voltage @ 1.00 cm (Vt) = 0.0058

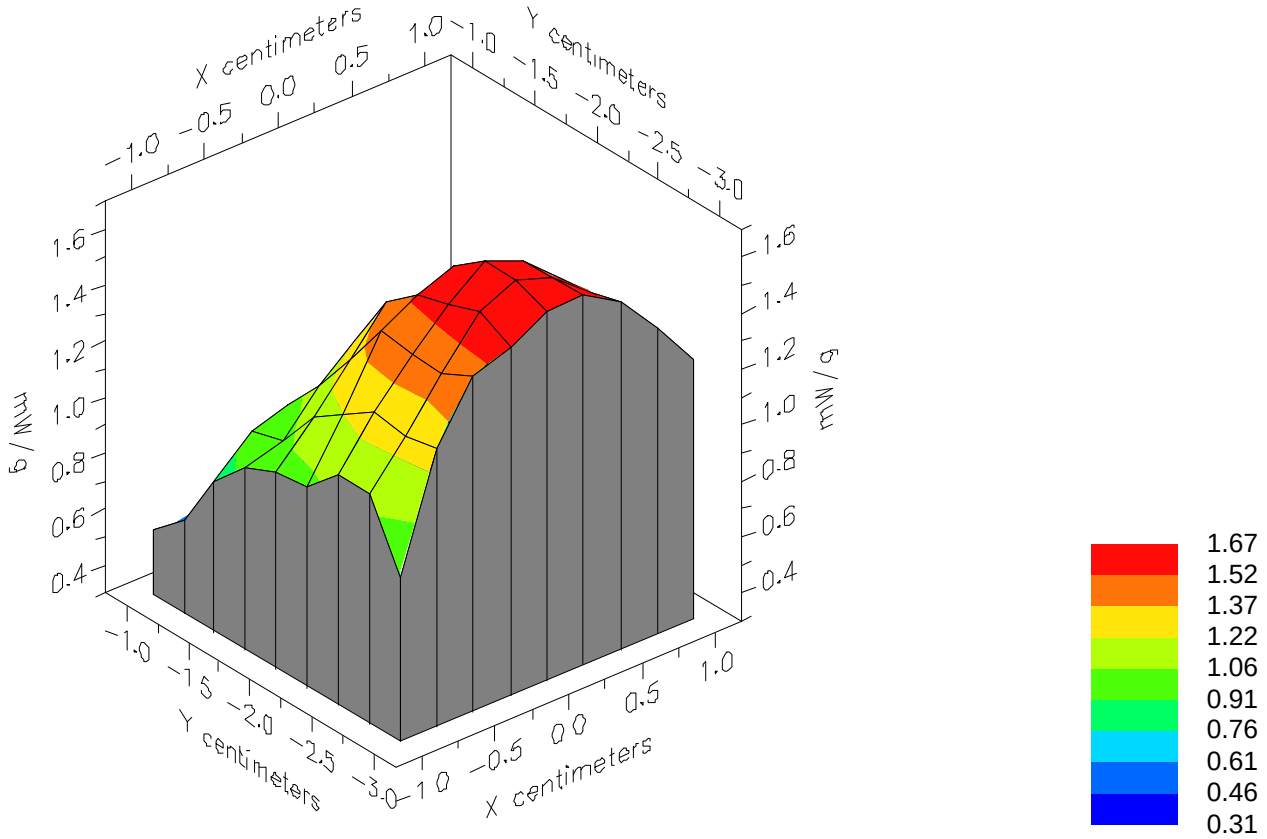
Ave. Voltage (Vs+Vt)/2 = 0.0128

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

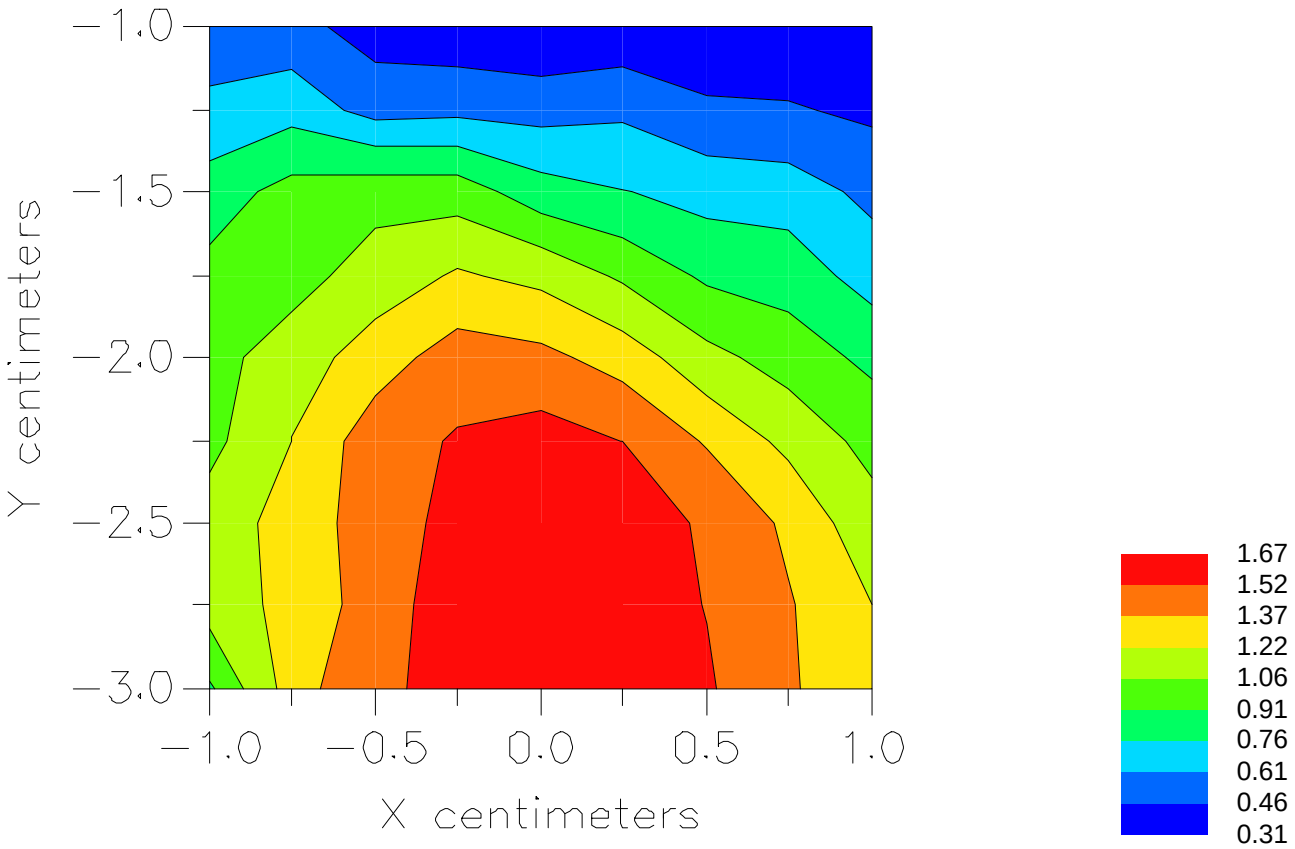
SAR Scan
File : 01042003_ZOOM
Start : 20-Apr-101 10:12:14 am End : 20-Apr-101 10:24:07 am
SAMSUNG/SPH-N170/1;1880.00MHz;W;Helical/Out;
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/40.400/1.820



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			

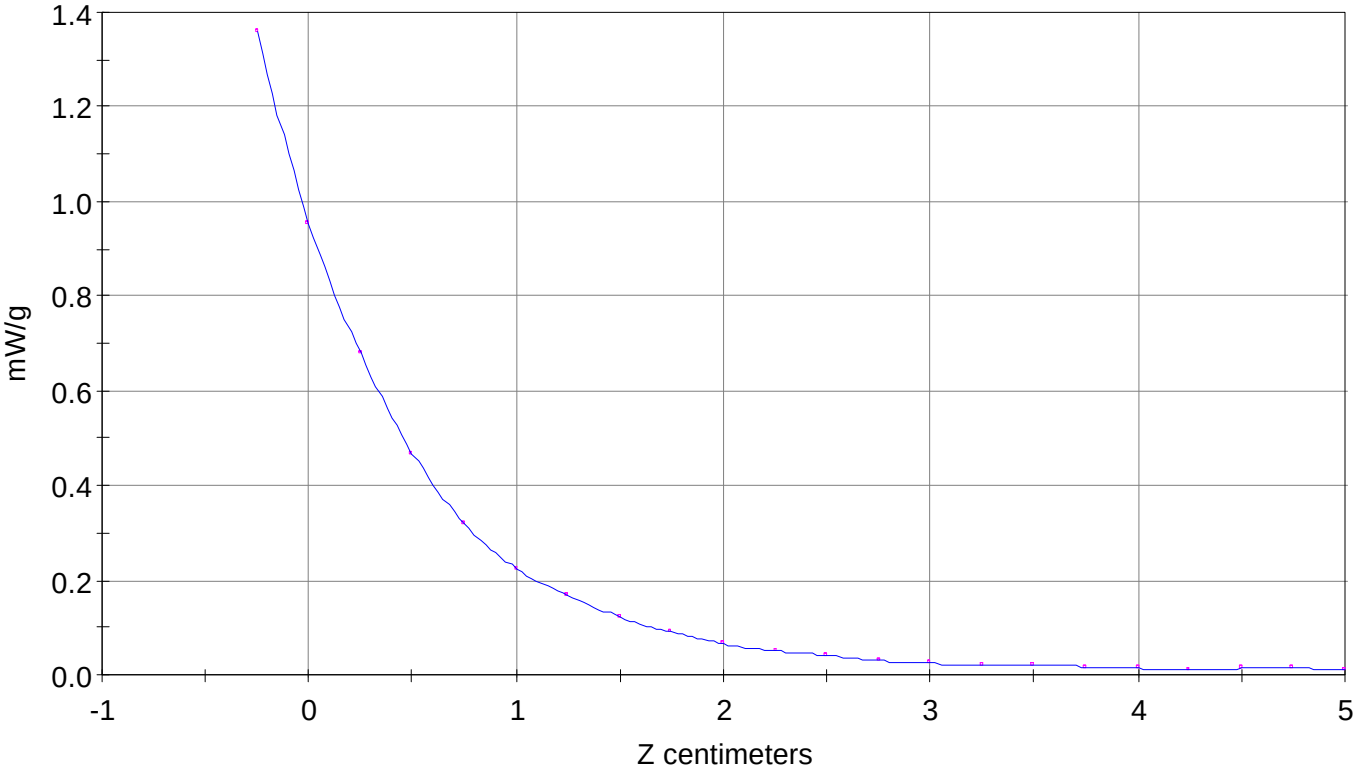
Calc. Voltage @ Surface (Vs) = 0.0122

Voltage @ 1.00 cm (Vt) = 0.0029

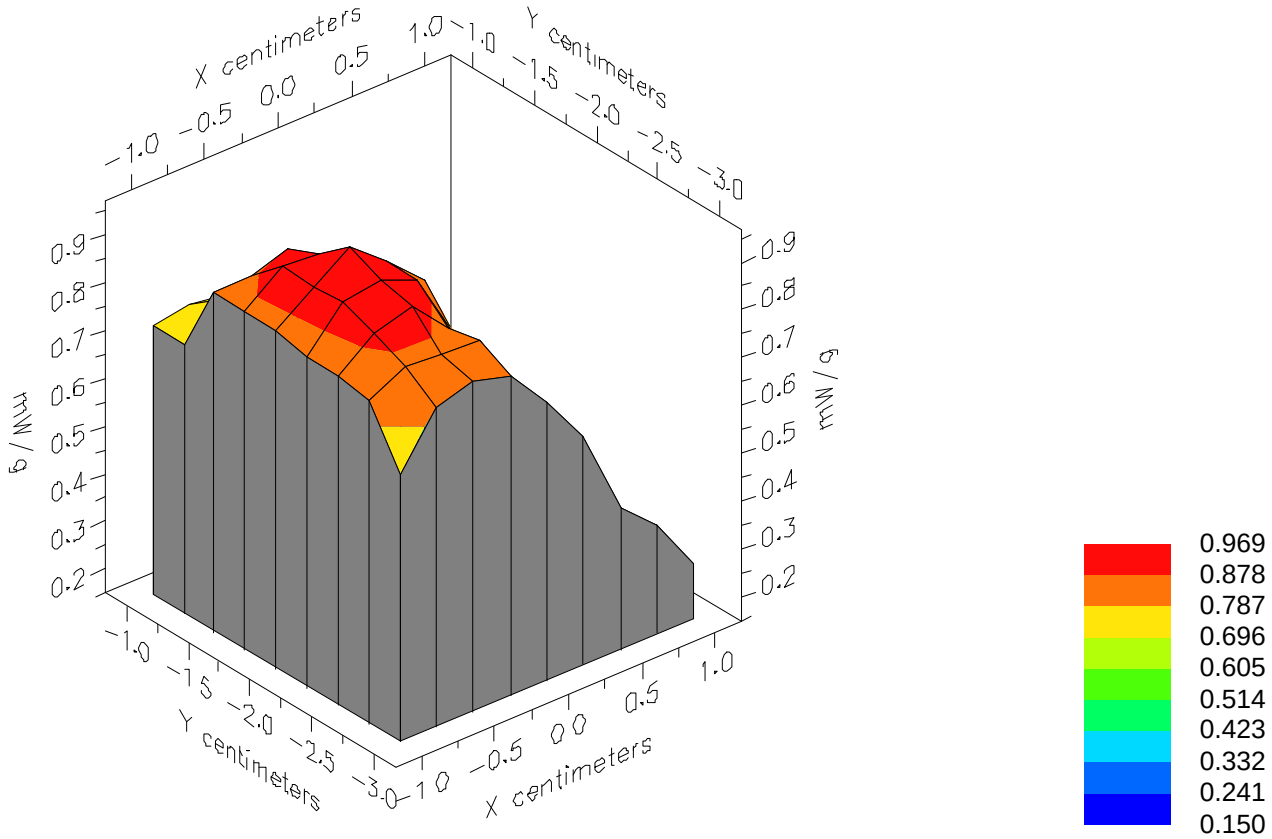
Ave. Voltage (Vs+Vt)/2 = 0.0076

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

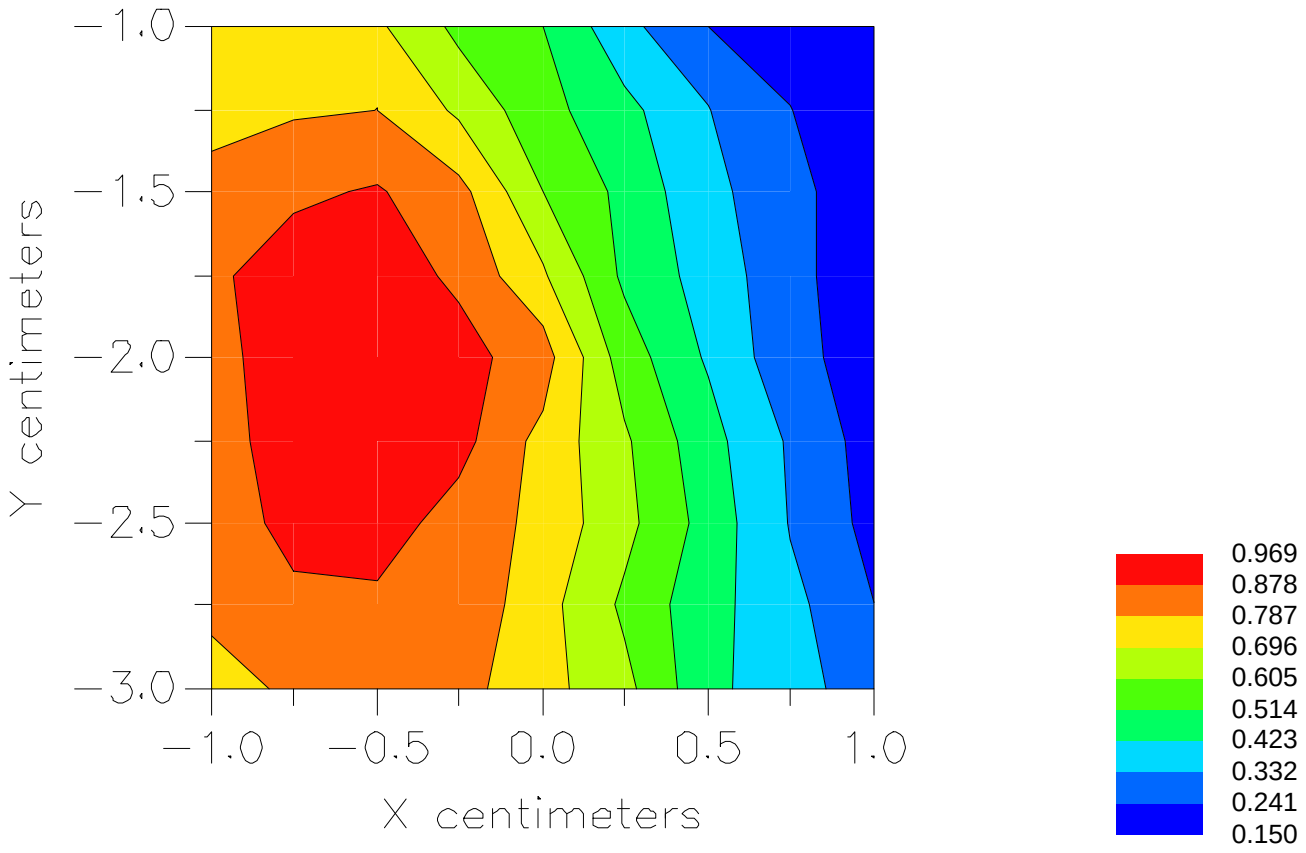
SAR Scan
File : 01042009_ZOOM
Start : 20-Apr-101 11:36:17 am End : 20-Apr-101 11:45:40 am
SAMSUNG/SPH-N170/1;1908.75MHz;W;Helical/In;
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/40.400/1.820



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 : 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			

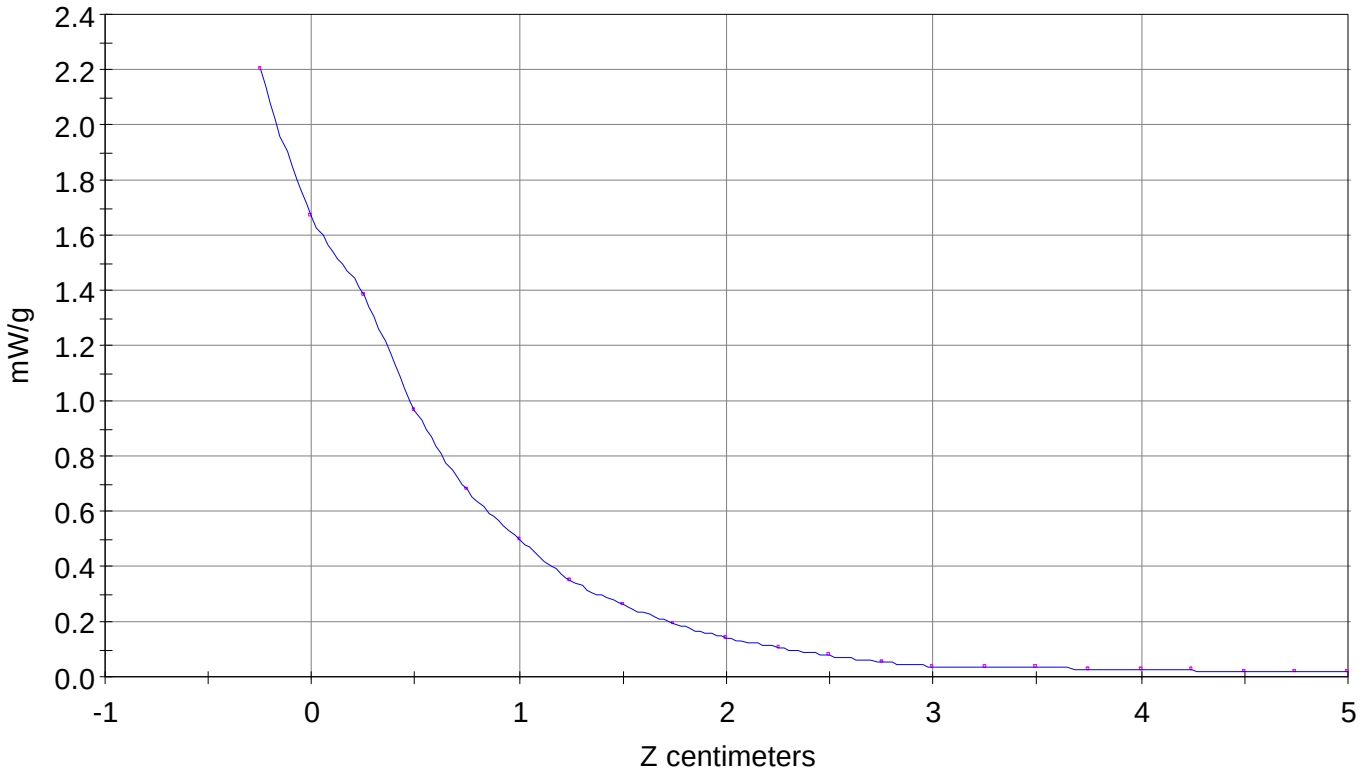
Calc. Voltage @ Surface (Vs) = 0.0198

Voltage @ 1.00 cm (Vt) = 0.0061

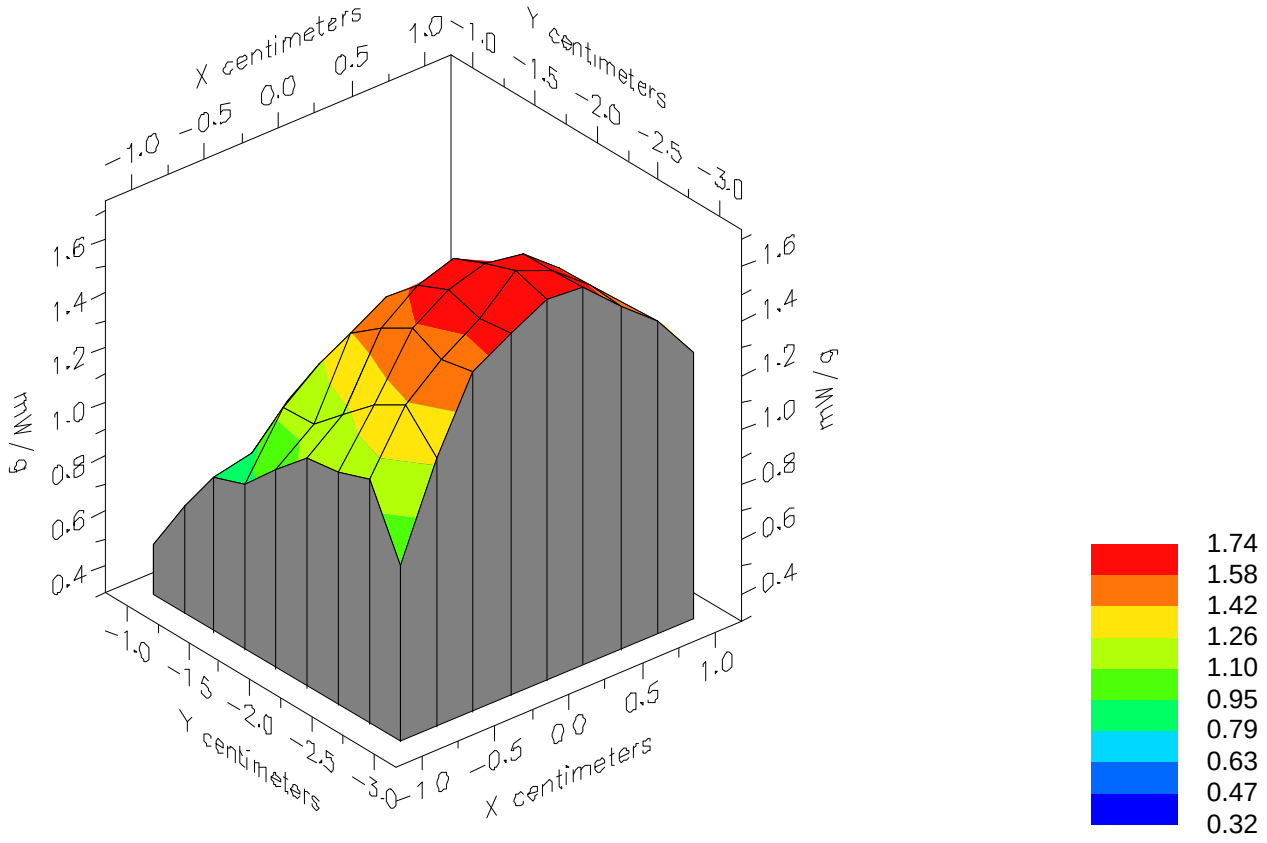
Ave. Voltage (Vs+Vt)/2 = 0.0129

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

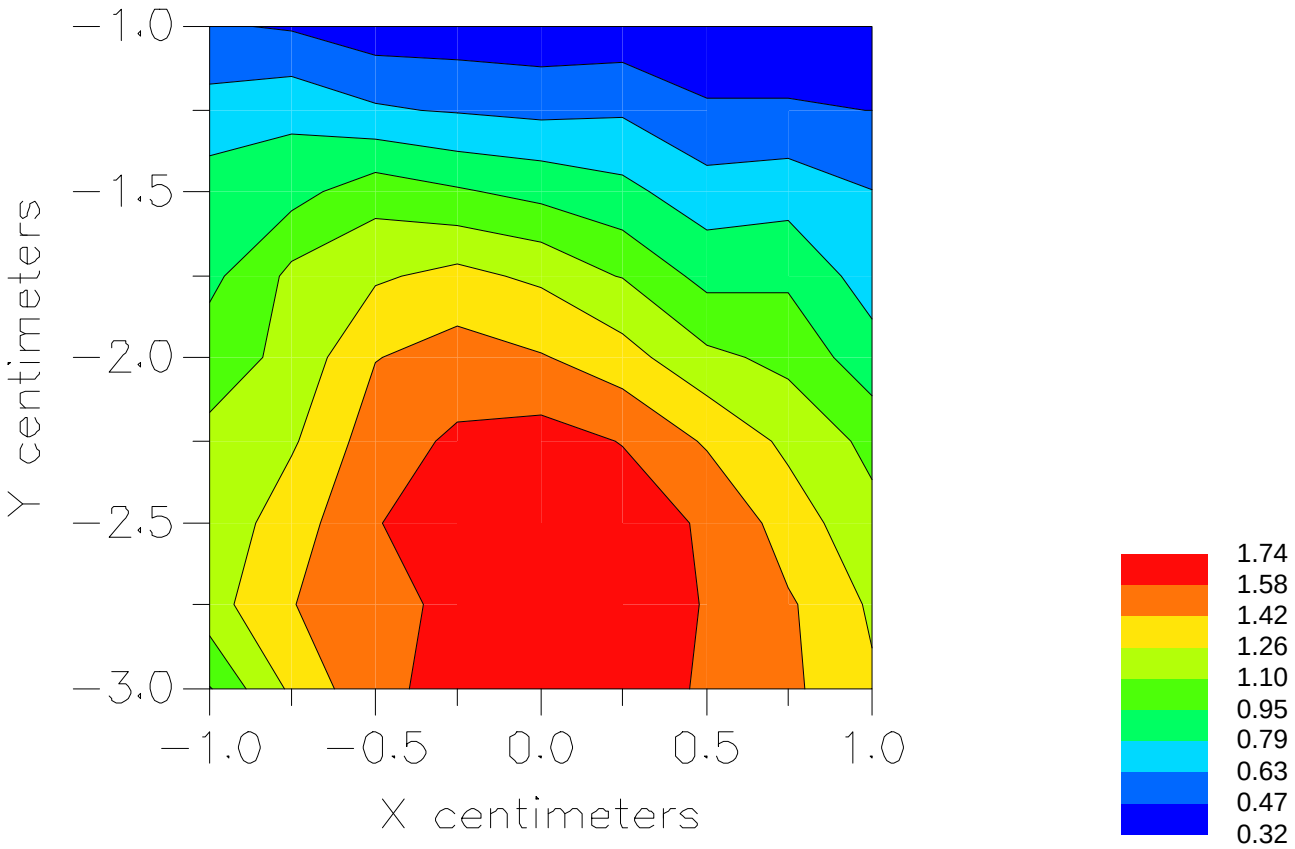
SAR Scan
File : 01042007_ZOOM
Start : 20-Apr-101 11:11:02 am End : 20-Apr-101 11:23:01 am
SAMSUNG/SPH-N170/1;1908.75MHz;W;Helical/Out;
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/40.400/1.820



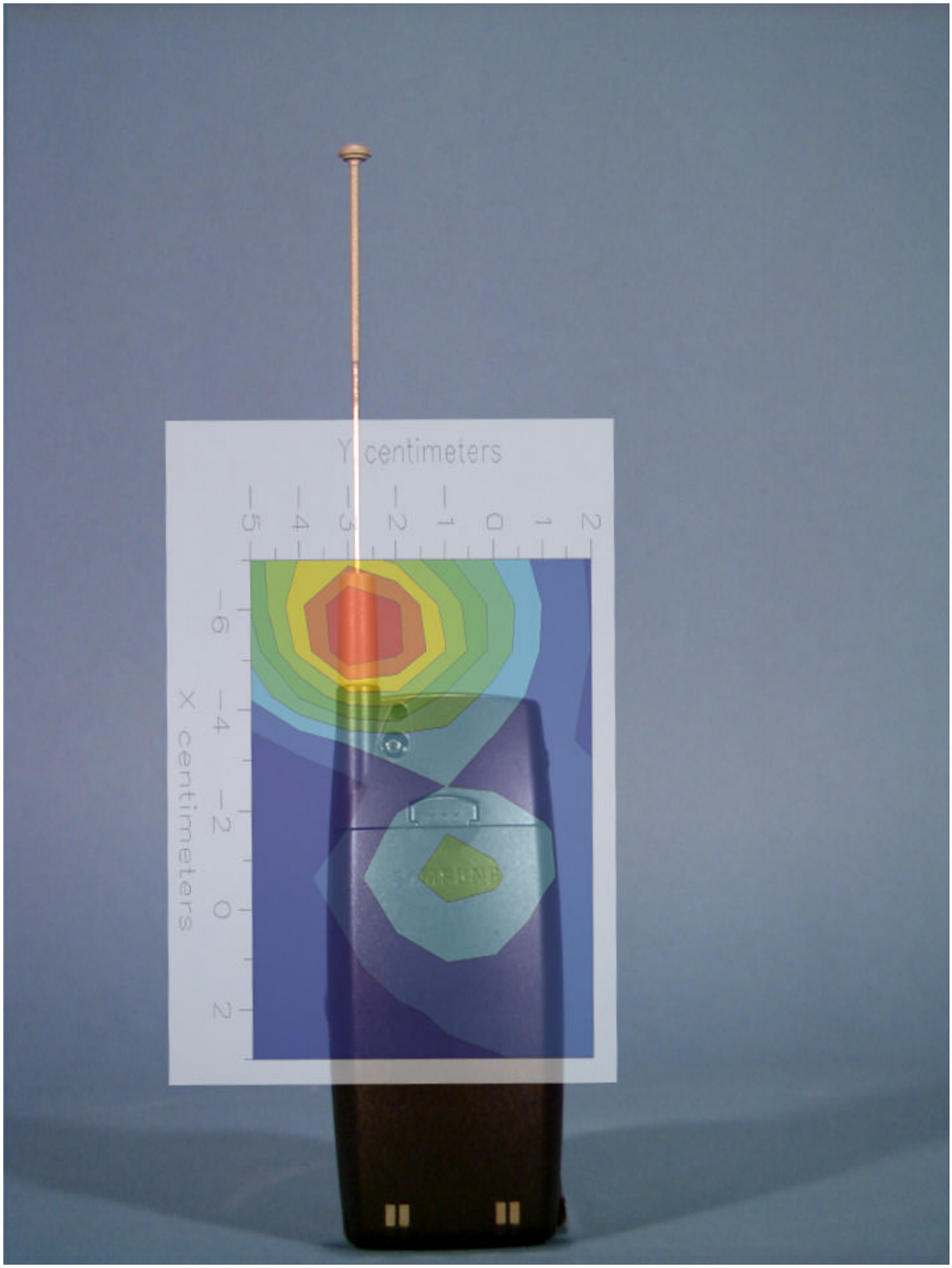
File : 01042007_ZOOM
Start : 20-Apr-101 11:11:02 am End : 20-Apr-101 11:23:01 am
SAMSUNG/SPH-N170/1;1908.75MHz;W;Helical/Out;
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/40.400/1.820



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



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			

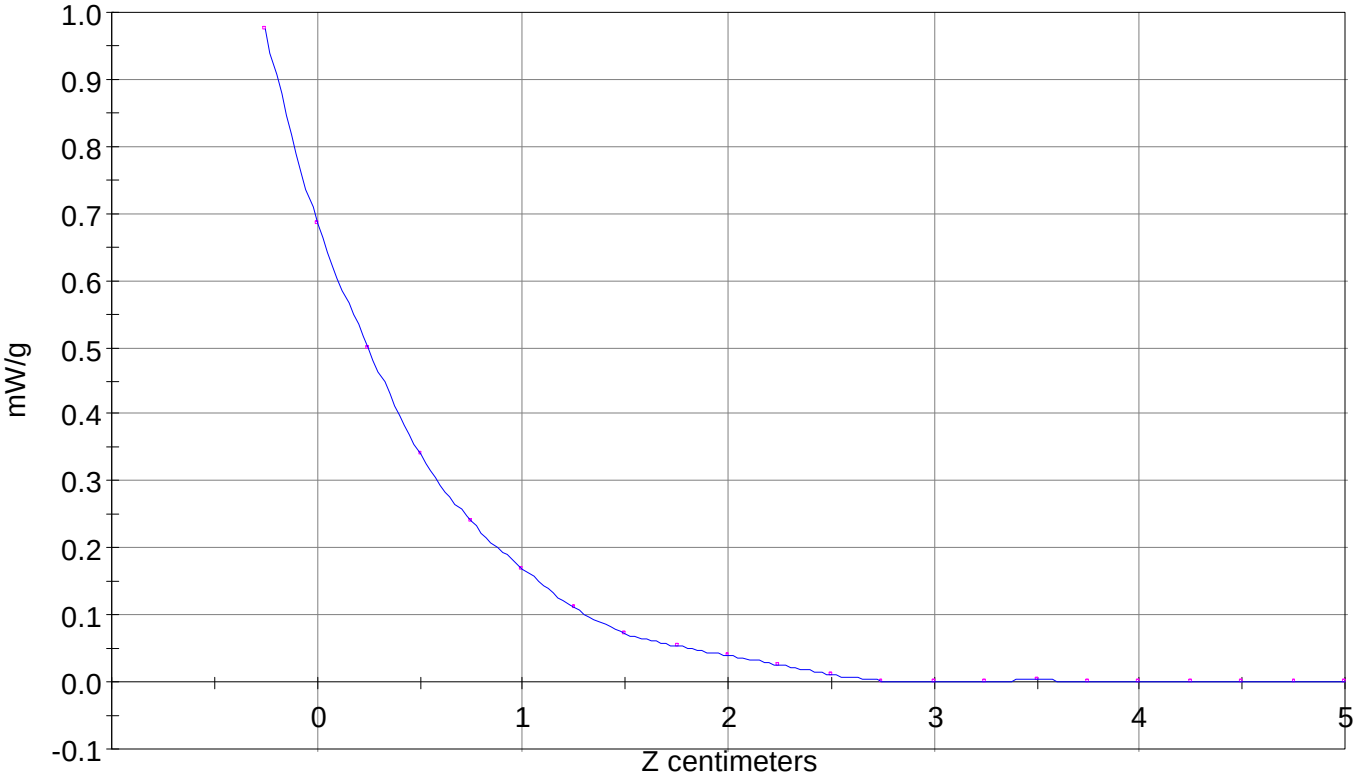
Calc. Voltage @ Surface (Vs) = 0.0076

Voltage @ 1.00 cm (Vt) = 0.0019

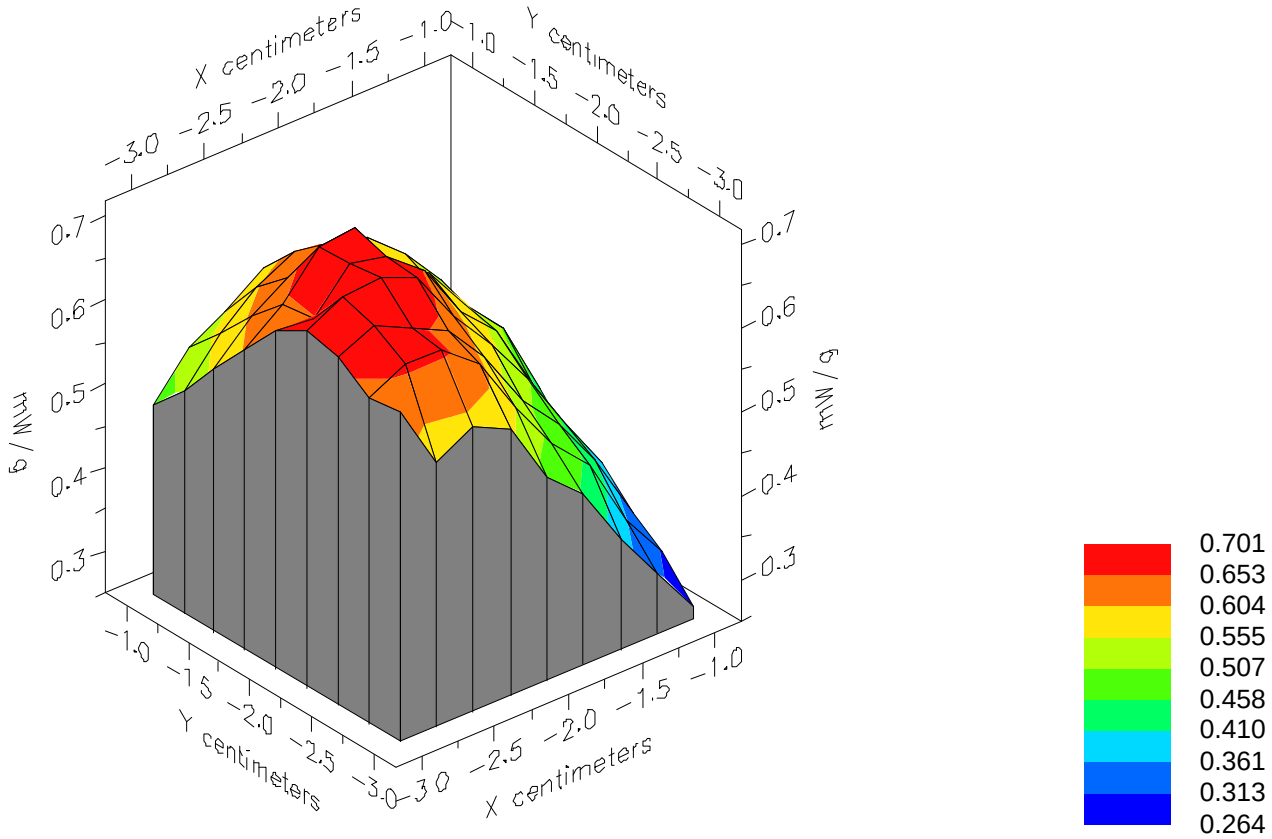
Ave. Voltage (Vs+Vt)/2 = 0.0048

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

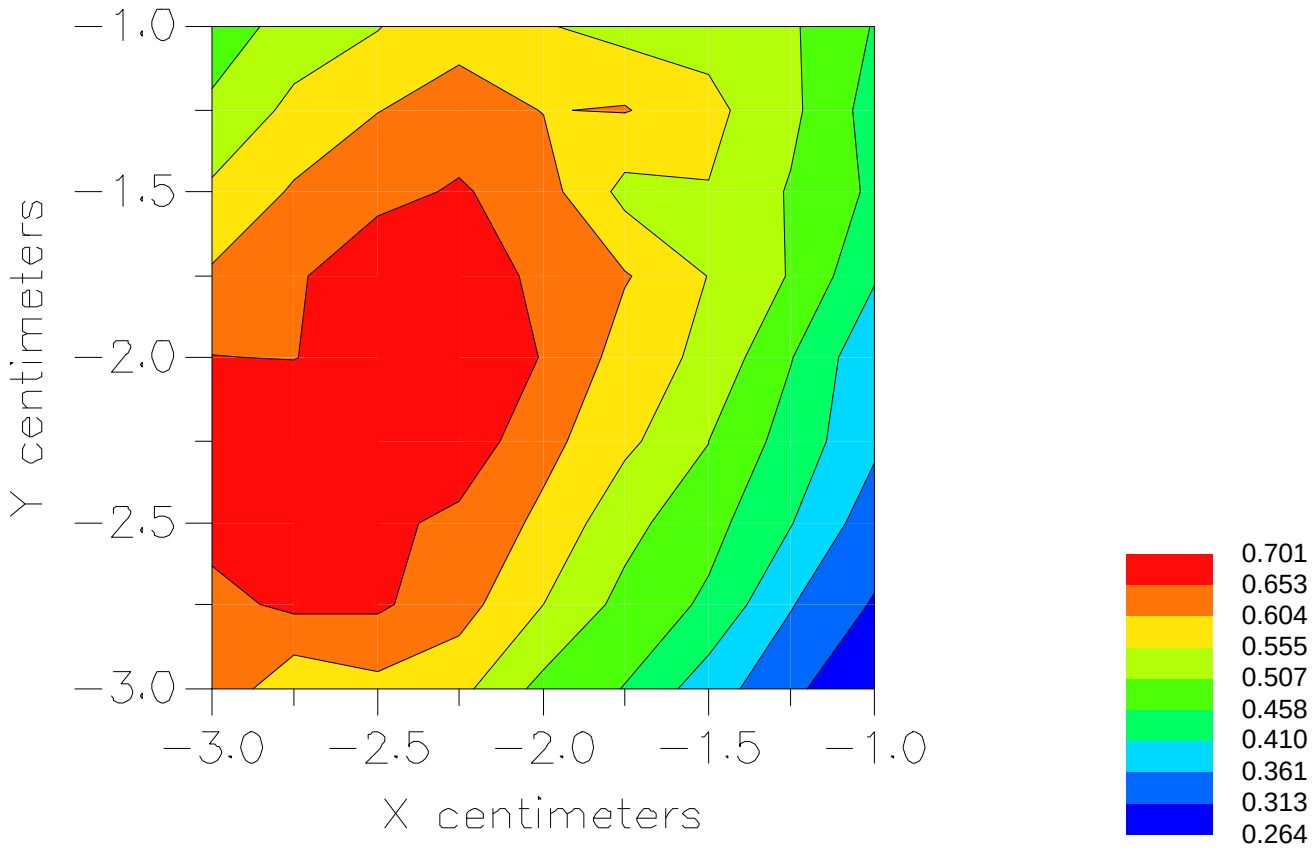
SAR Scan
File : 01042021_ZOOM
Start : 20-Apr-101 05:41:59 pm End : 20-Apr-101 05:52:42 pm
SAMSUNG/SPH-N170/1;1851.25MHz;W;Helical/In;
Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 DegreesMuscle/54.200/1.850



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			

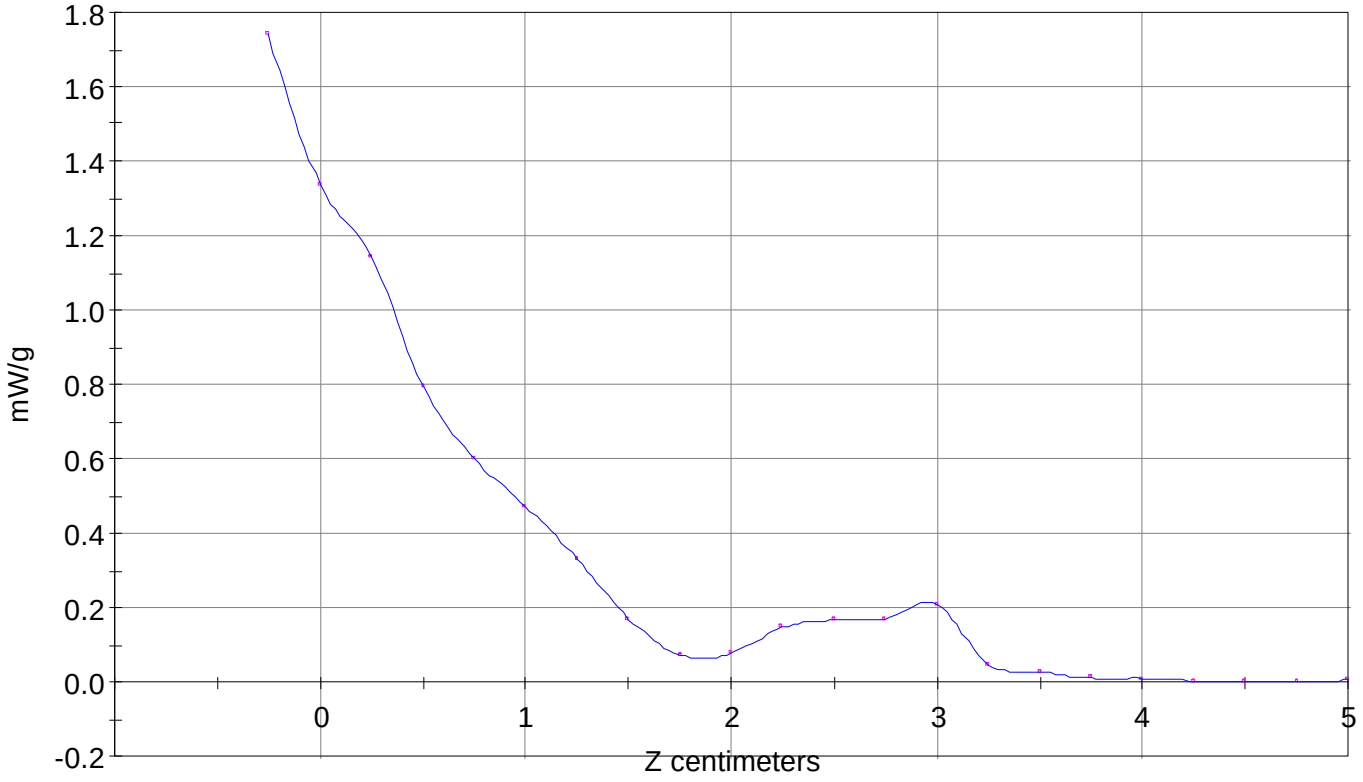
Calc. Voltage @ Surface (Vs) = 0.0137

Voltage @ 1.00 cm (Vt) = 0.0047

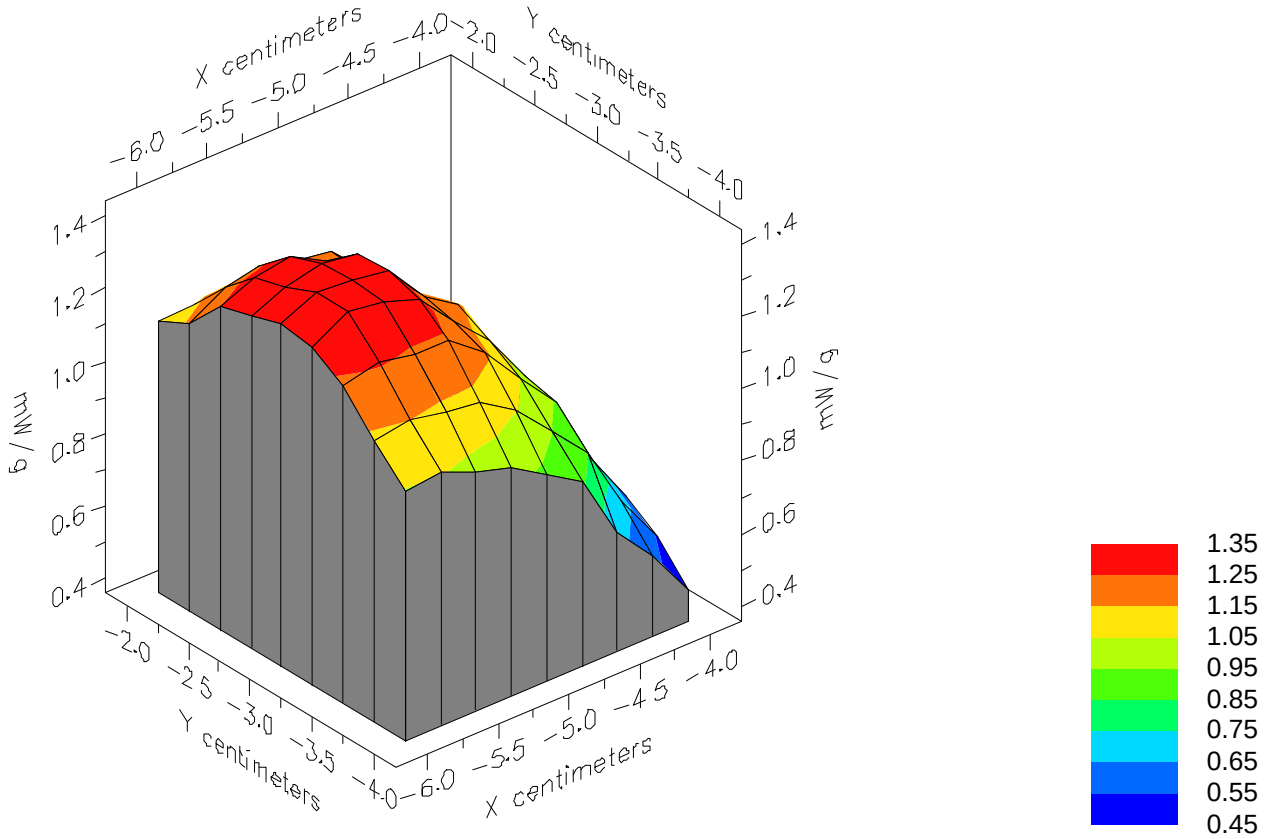
Ave. Voltage (Vs+Vt)/2 = 0.0092

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

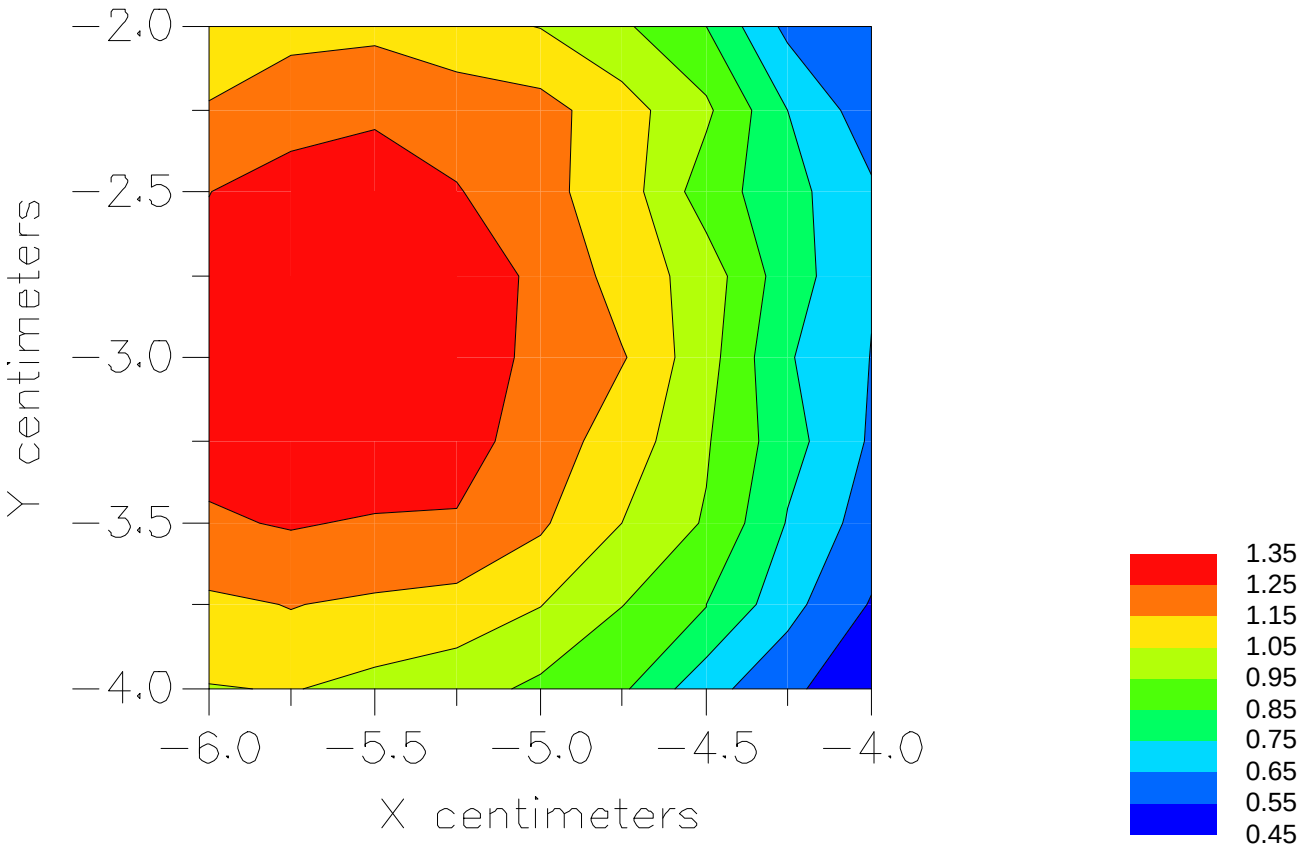
SAR Scan
File : 01042020_ZOOM
Start : 20-Apr-101 05:23:14 pm End : 20-Apr-101 05:32:37 pm
SAMSUNG/SPH-N170/1;1851.25MHz;W;Helical/Out;
Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 DegreesMuscle/54.200/1.850



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			

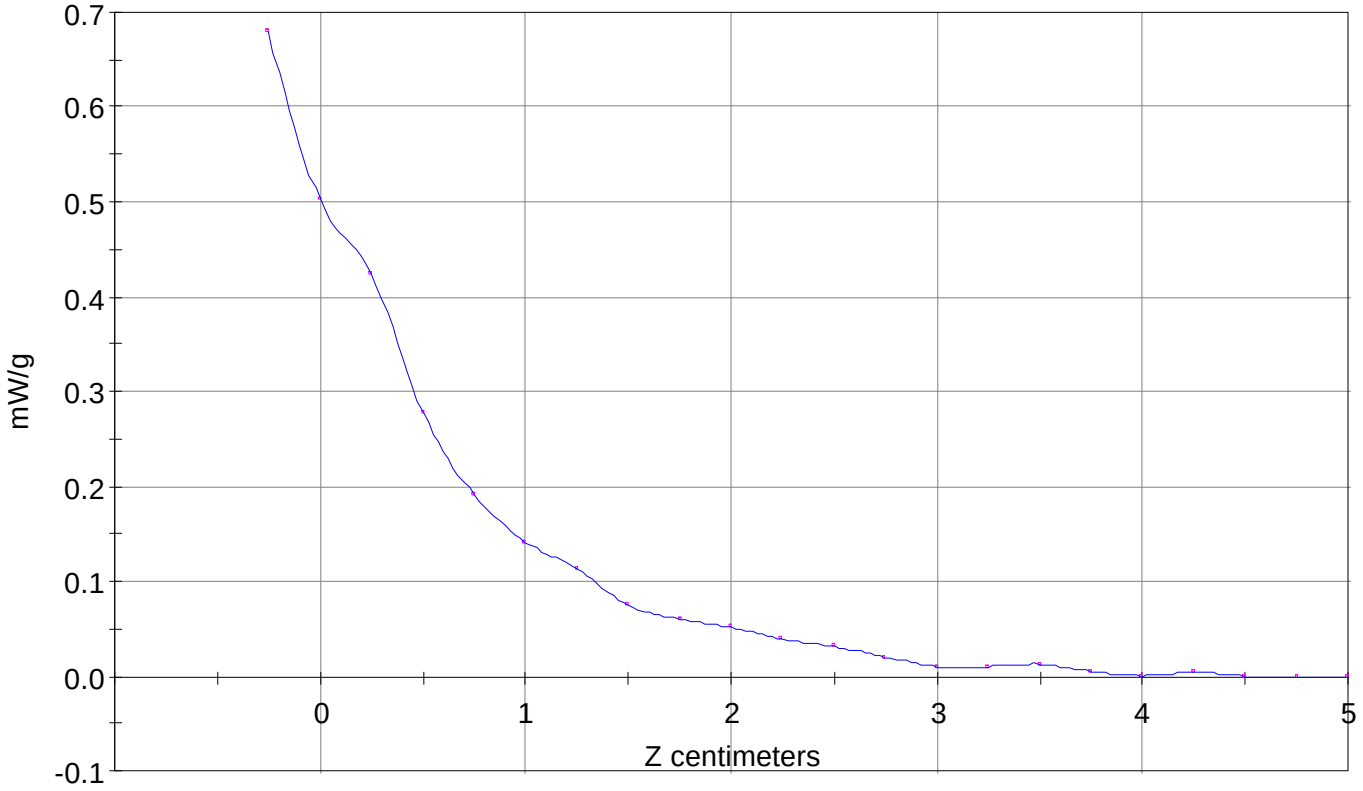
Calc. Voltage @ Surface (Vs) = 0.0053

Voltage @ 1.00 cm (Vt) = 0.0015

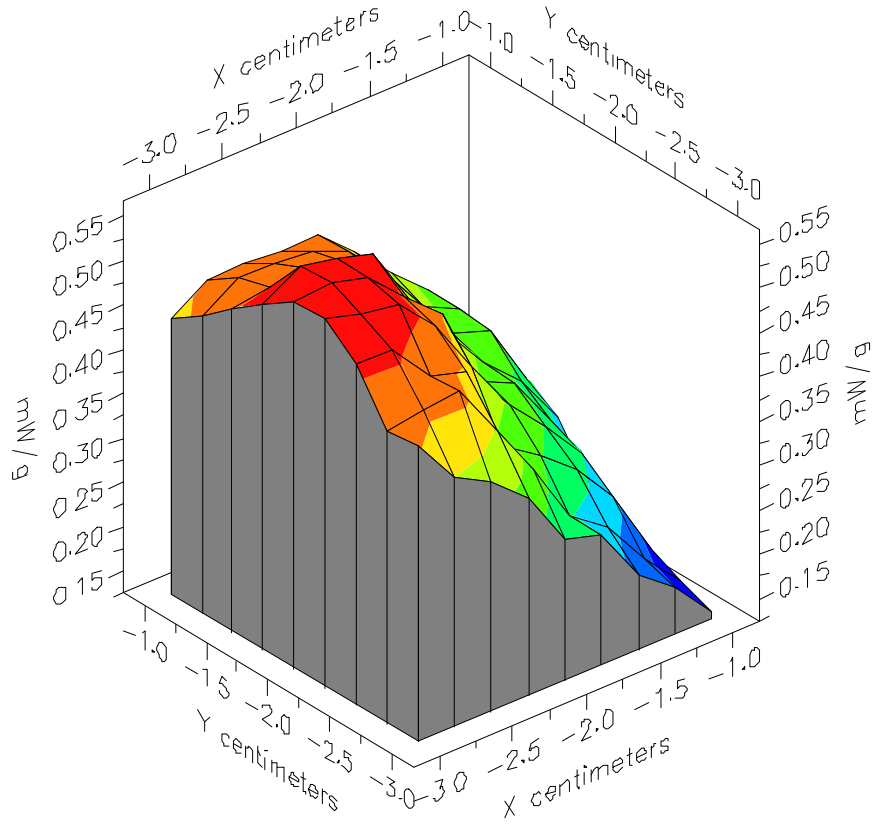
Ave. Voltage (Vs+Vt)/2 = 0.0034

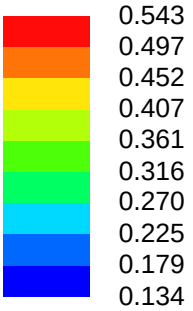
Ave. SAR over 1 g (mW/g) = 0.4354

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

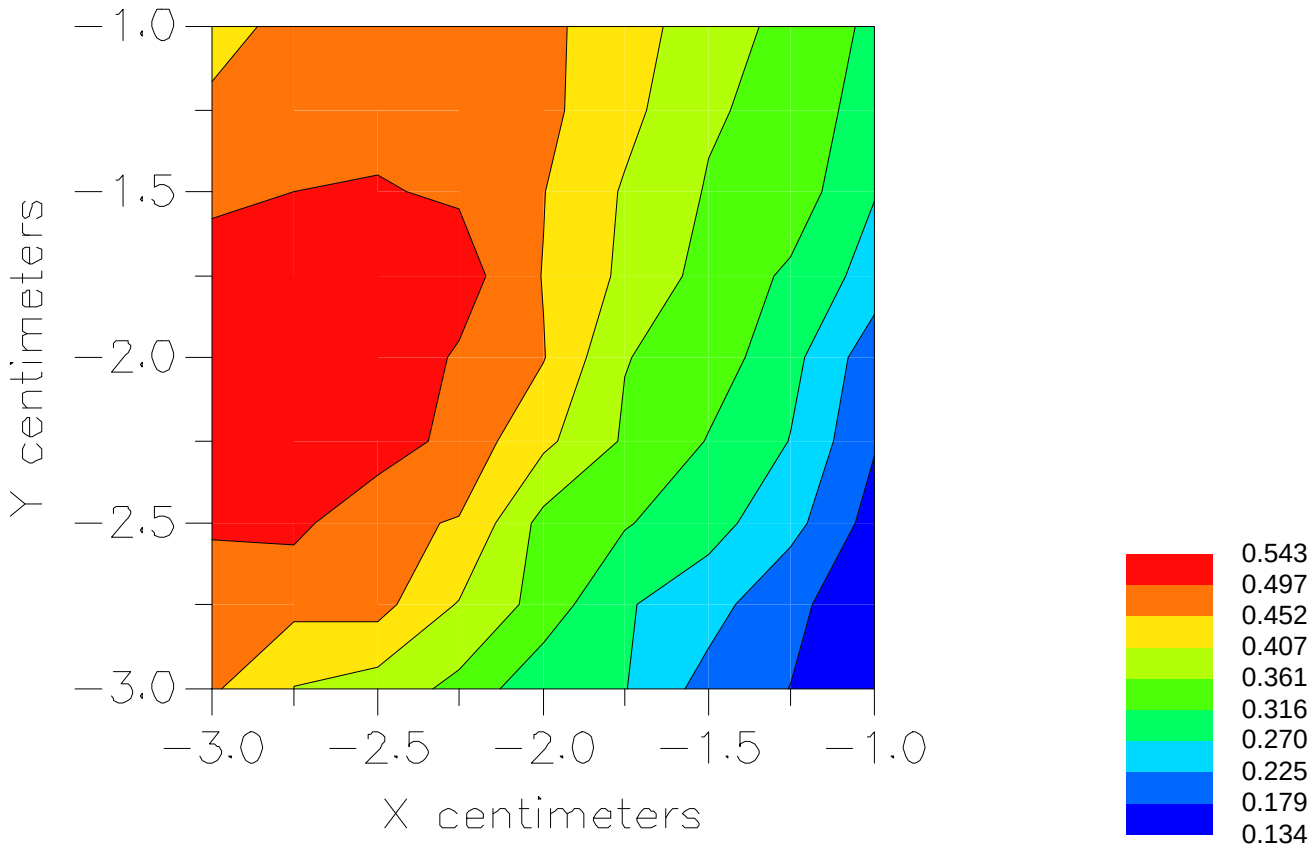


File : 01042301_ZOOM
Start : 23-Apr-101 09:38:03 am End : 23-Apr-101 09:45:24 am
SAMSUNG/SPH-N170/1;1880.00MHz;W;Helical/In;
Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 DegreesMuscle/54.200/1.850





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			

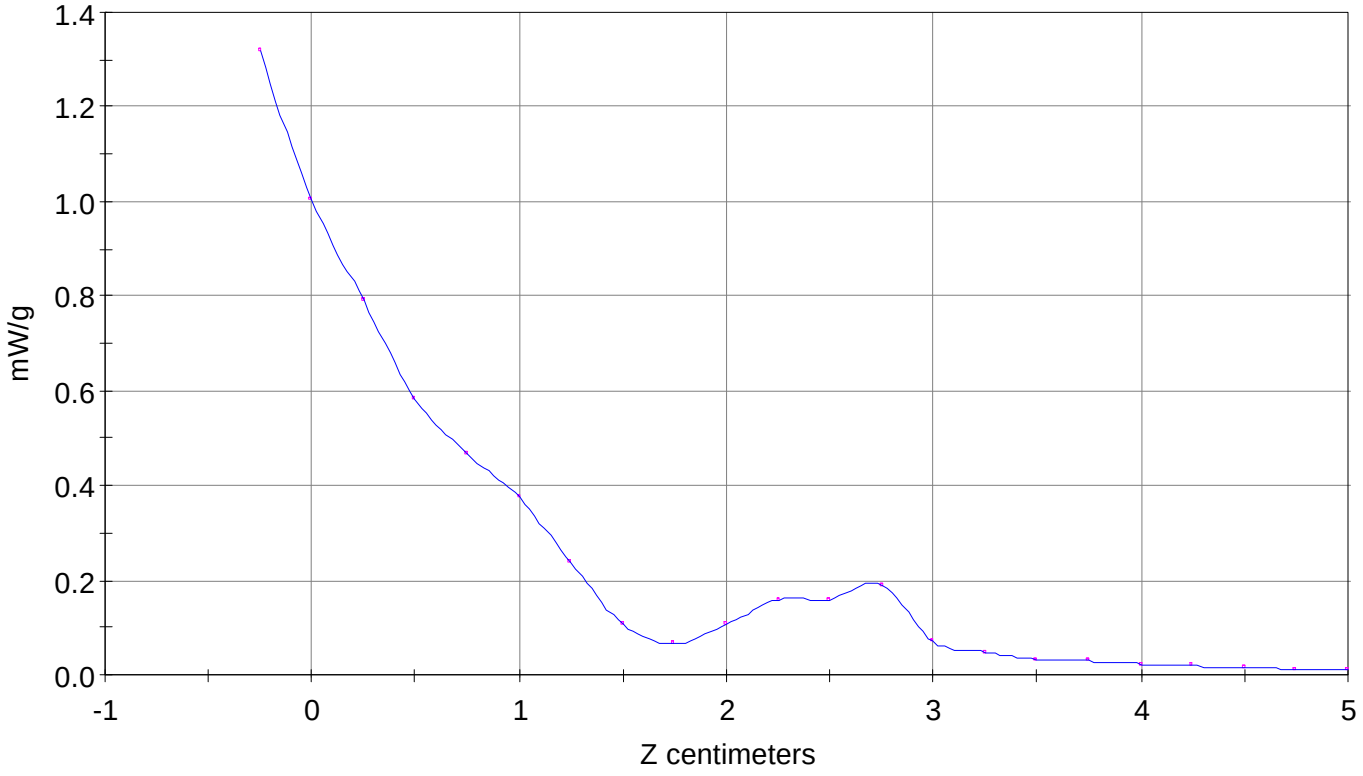
Calc. Voltage @ Surface (Vs) = 0.0103

Voltage @ 1.00 cm (Vt) = 0.0036

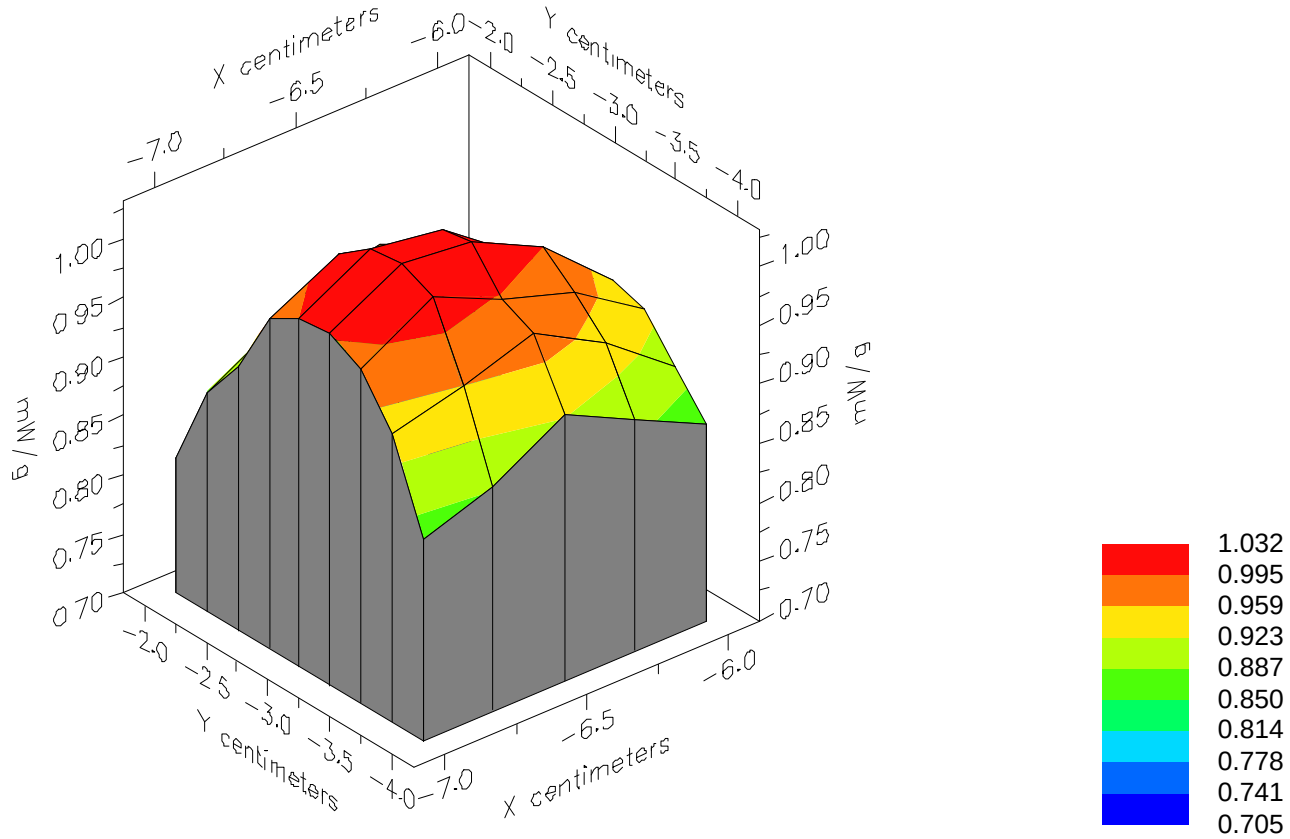
Ave. Voltage (Vs+Vt)/2 = 0.0070

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

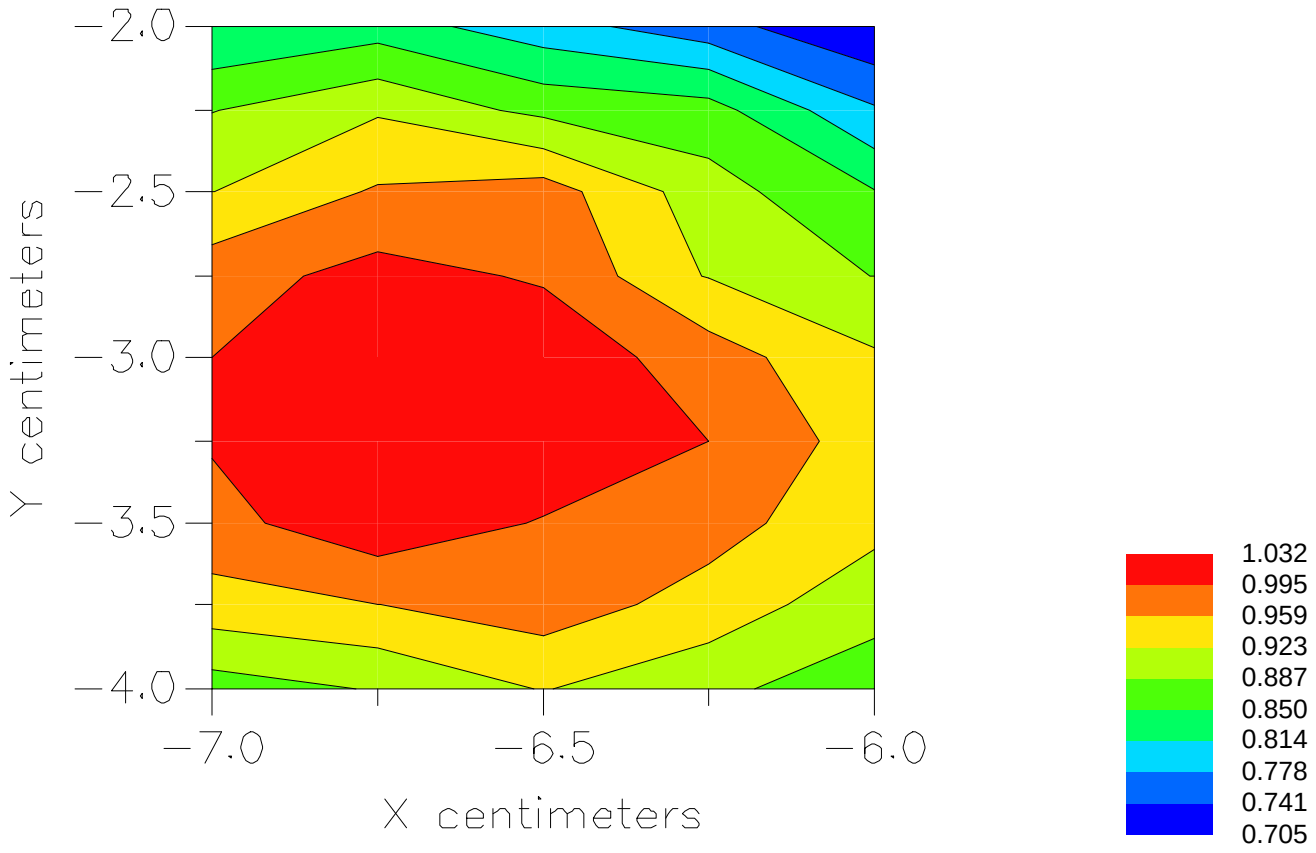
SAR Scan
File : 01042512_ZOOM
Start : 25-Apr-101 01:26:47 pm End : 25-Apr-101 01:31:59 pm
SAMSUNG/SPH-N170/1;1880.00MHz;W;Helical/Out;
Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 DegreesMuscle/54.200/1.850



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			

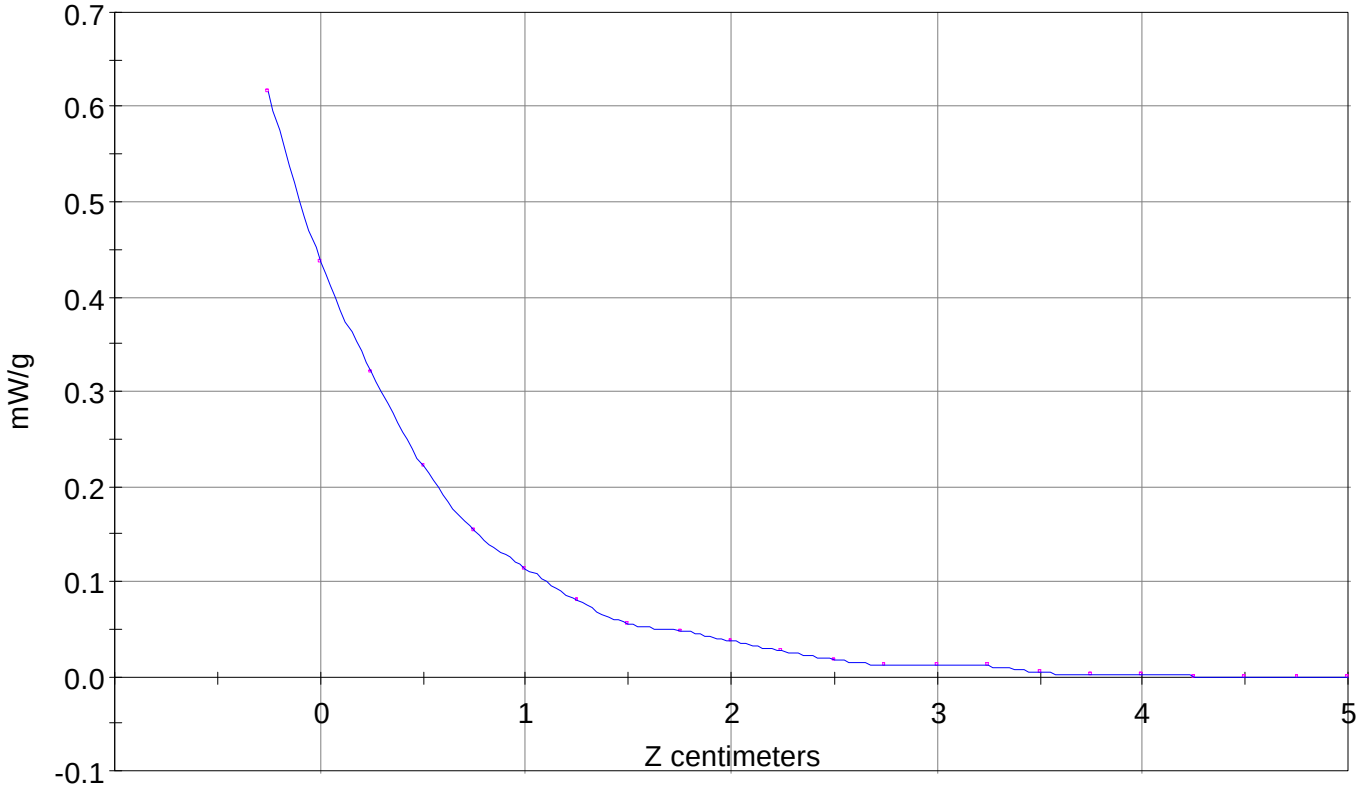
Calc. Voltage @ Surface (Vs) = 0.0048

Voltage @ 1.00 cm (Vt) = 0.0012

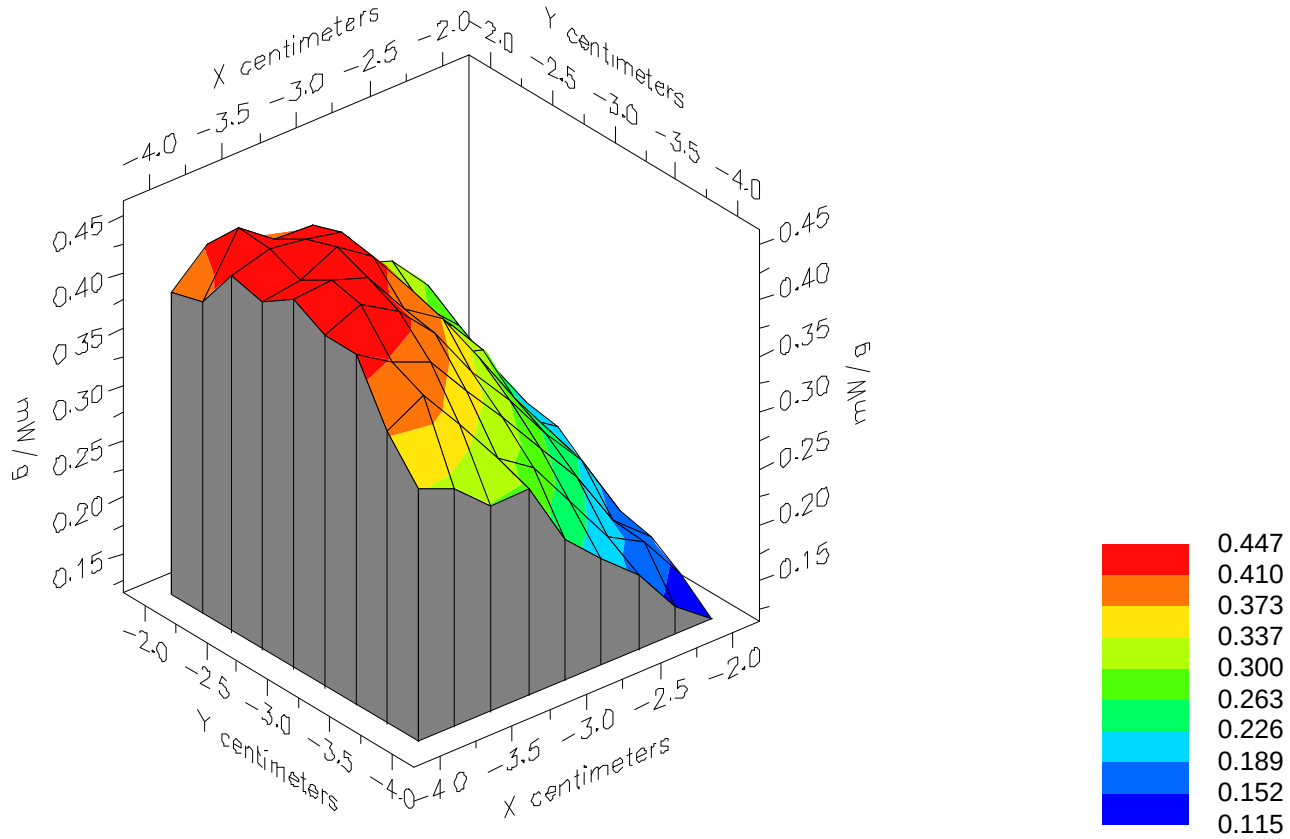
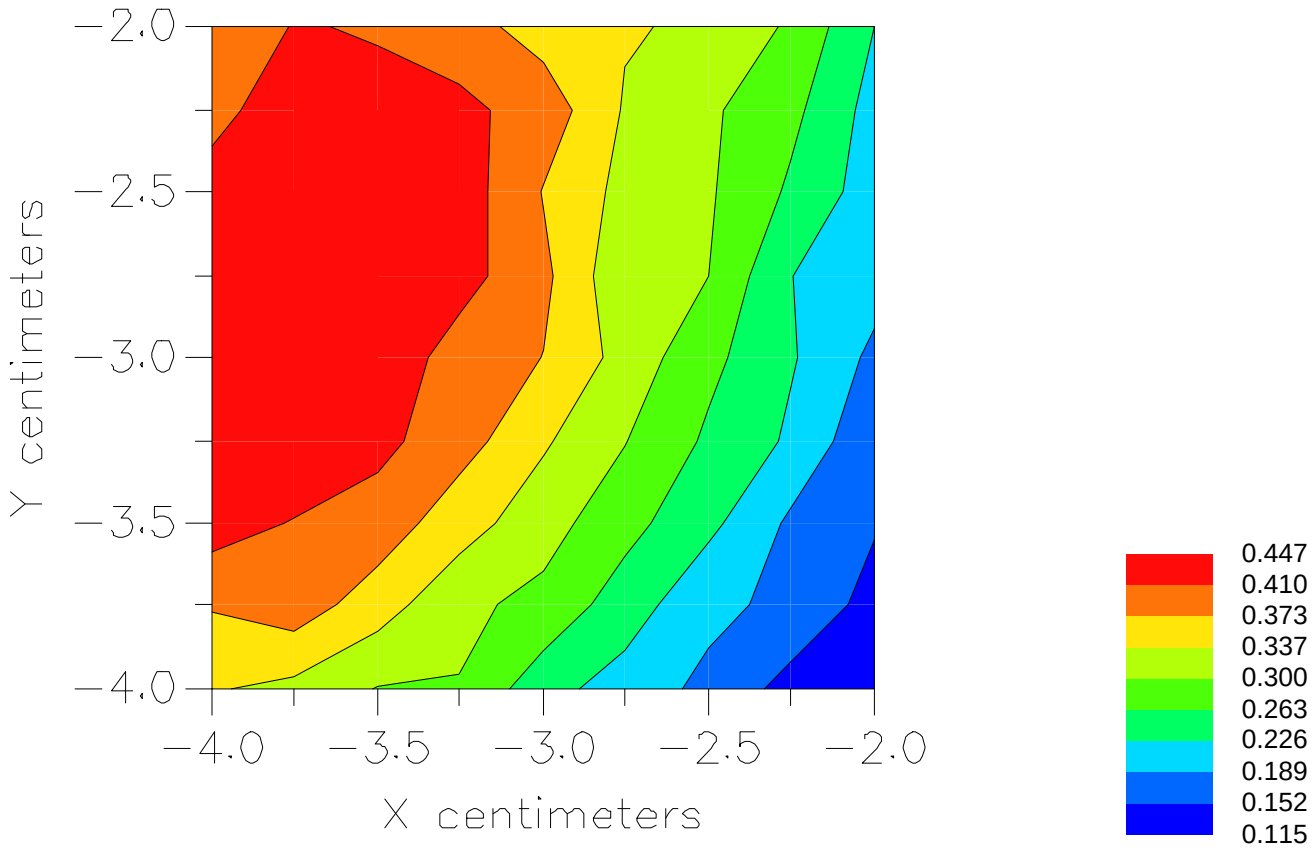
Ave. Voltage (Vs+Vt)/2 = 0.0030

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