Peak SAR Location

800 MHz Head SAR

File : c:/idx3/SYSTEM/SARMEAS3/data/Normal/01042312_ZOOM.VLT
Start : 23-Apr-101 03:00:55 pm End : 23-Apr-101 03:10:06 pm

Radio Type : SAMSUNG
Model Number : SPH-A330
Serial Number : 2
Frequency : 824.04 MHz
Peak Trans. Pwr : 0.400 W
Start Trans. Pwr: 0.400 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 26.0 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 = 1.500, Y = -1.750, Z = 0.000 (cm) Value = 18.339

Measured Values (volts) =

1.827E-002	1.219E-002	9.649E-003	8.071E-003	6.743E-003	5.864E-003
4.992E-003	4.511E-003	4.088E-003	3.763E-003	3.475E-003	3.234E-003
2.871E-003	2.519E-003	2.079E-003	1.703E-003	1.342E-003	1.017E-003
8.963E-004	8.501E-004	9.263E-004			

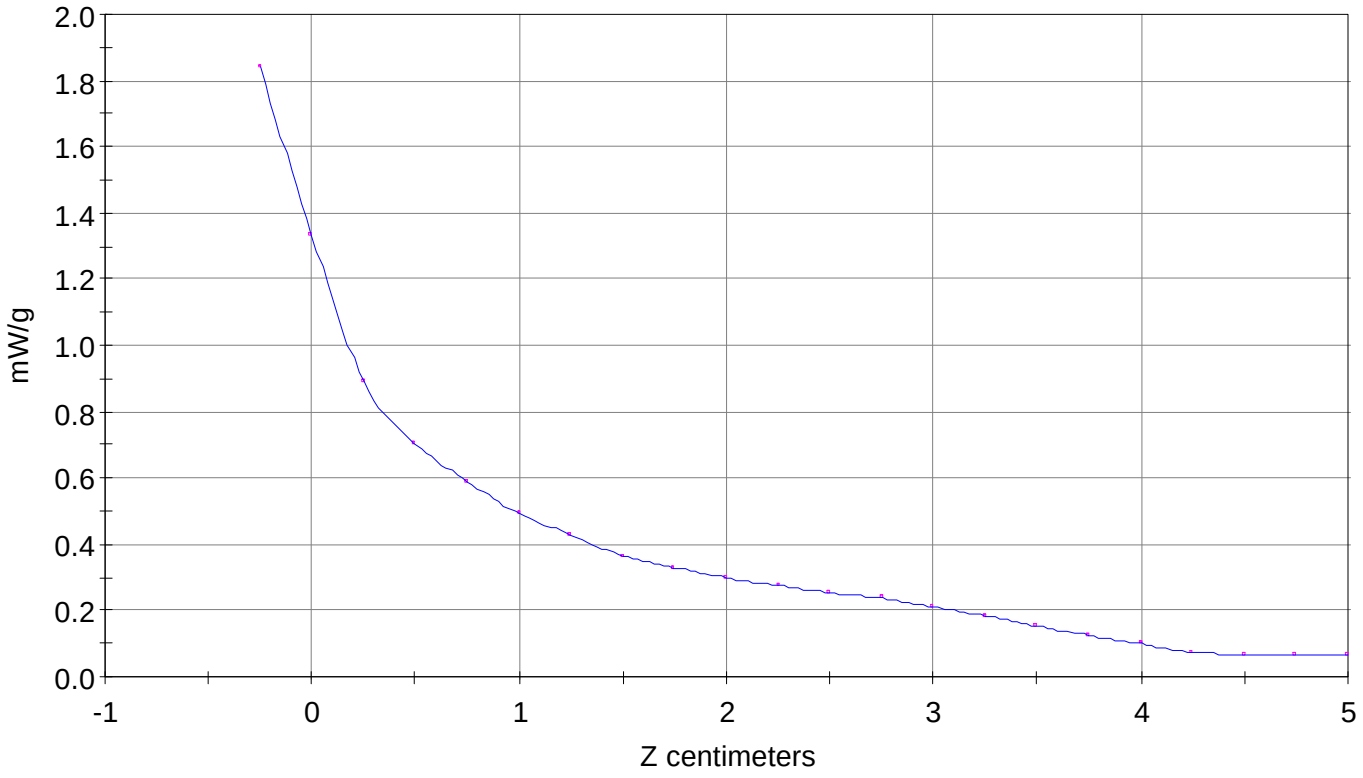
Calc. Voltage @ Surface (Vs) = 0.0252

Voltage @ 1.00 cm (Vt) = 0.0081

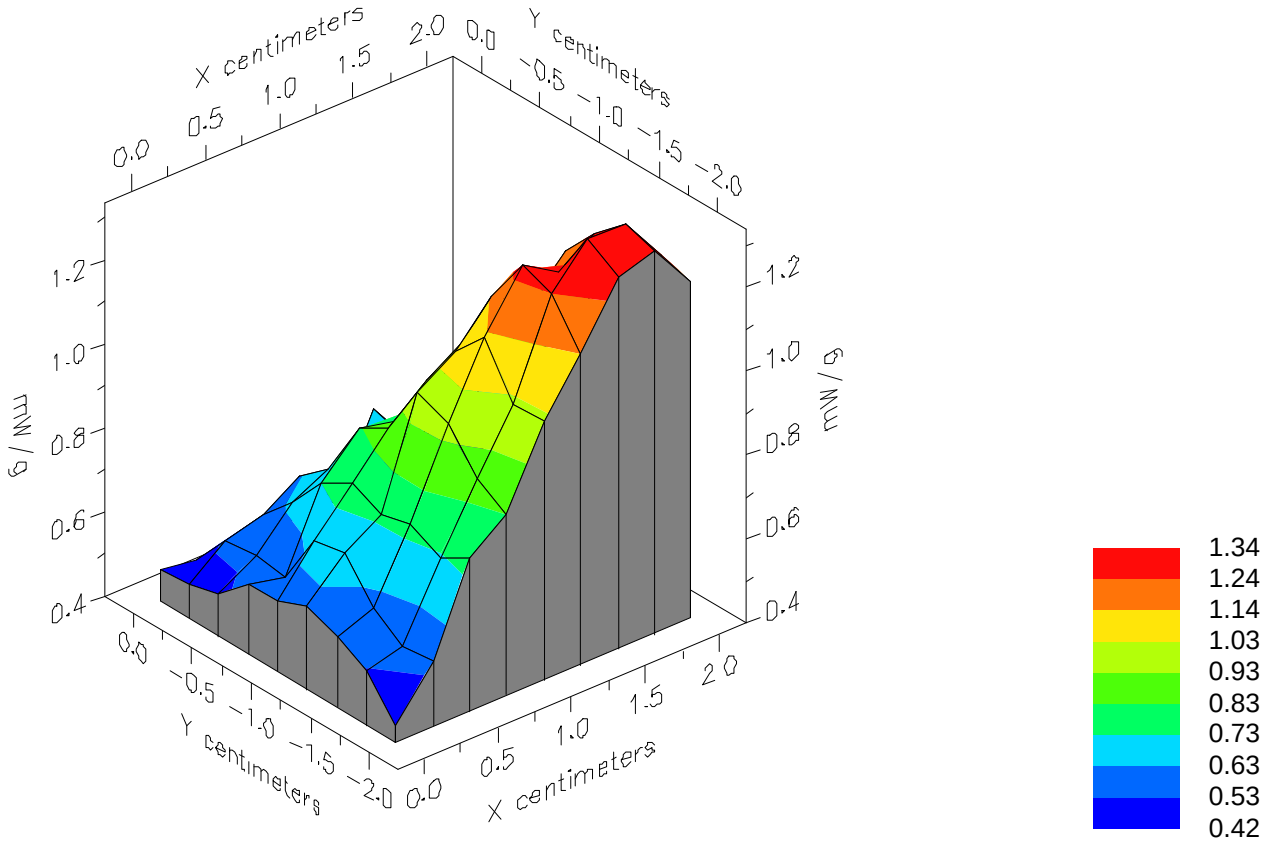
Ave. Voltage (Vs+Vt)/2 = 0.0167

Ave. SAR over 1 g (mW/g) = 1.2151

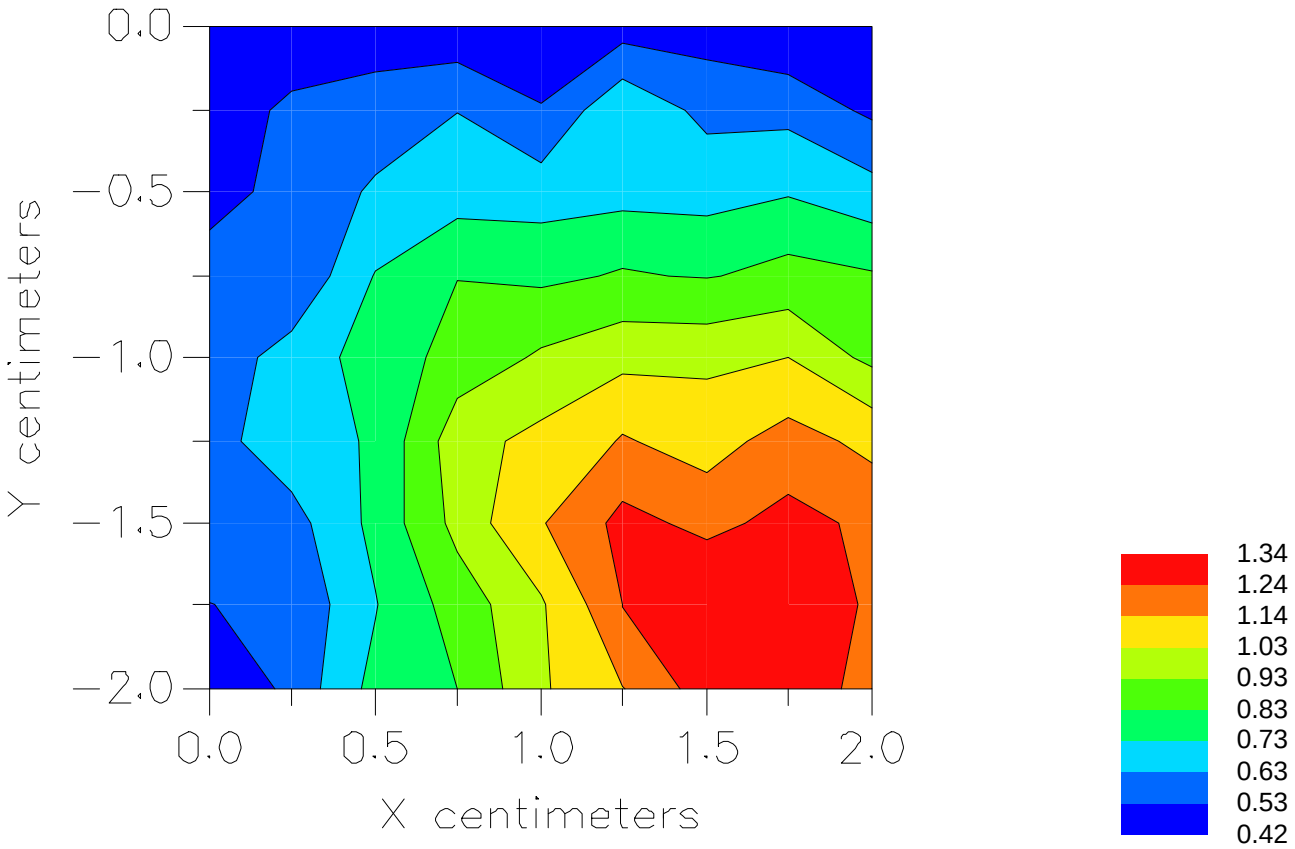
SAR Scan
File : 01042312_ZOOM
Start : 23-Apr-101 03:00:55 pm End : 23-Apr-101 03:10:06 pm
SAMSUNG/SPH-A330/2;824.04MHz;W;Helical/In;
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/41.500/0.900



File : 01042312_ZOOM
Start : 23-Apr-101 03:00:55 pm End : 23-Apr-101 03:10:06 pm
SAMSUNG/SPH-A330/2;824.04MHz;W;Helical/In;
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/41.500/0.900



File : 01042312_ZOOM
Start : 23-Apr-101 03:00:55 pm End : 23-Apr-101 03:10:06 pm
SAMSUNG/SPH-A330/2;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/01042315_ZOOM.VLT
Start : 23-Apr-101 03:44:34 pm End : 23-Apr-101 03:55:25 pm

Radio Type : SAMSUNG
Model Number : SPH-A330
Serial Number : 2
Frequency : 824.04 MHz
Peak Trans. Pwr : 0.400 W
Start Trans. Pwr: 0.400 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 26.0 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 = 1.750, Y = -1.750, Z = 0.000 (cm) Value = 18.052

Measured Values (volts) =

1.809E-002	1.239E-002	1.001E-002	8.090E-003	7.028E-003	5.999E-003
5.316E-003	4.667E-003	4.312E-003	3.874E-003	3.615E-003	3.251E-003
2.899E-003	2.477E-003	1.982E-003	1.634E-003	1.313E-003	1.069E-003
9.418E-004	8.639E-004	8.974E-004			

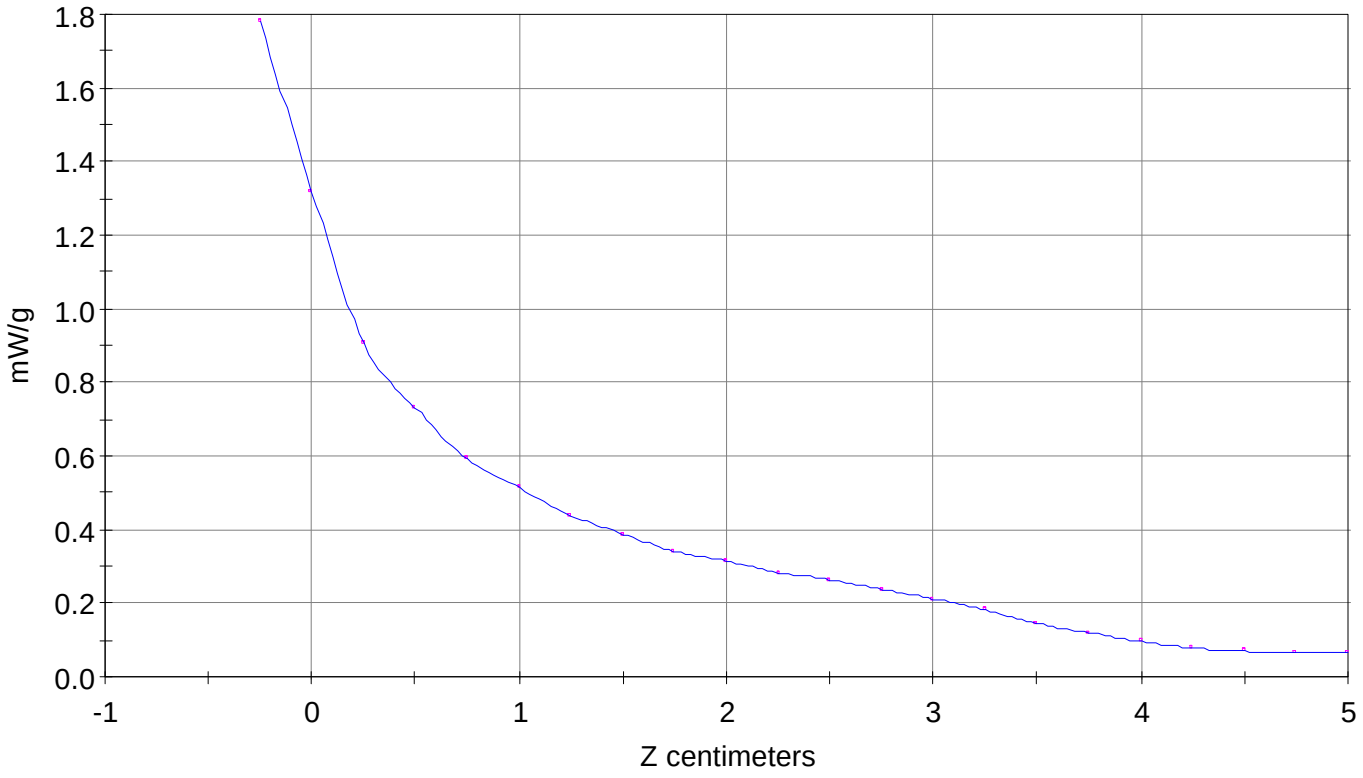
Calc. Voltage @ Surface (Vs) = 0.0244

Voltage @ 1.00 cm (Vt) = 0.0081

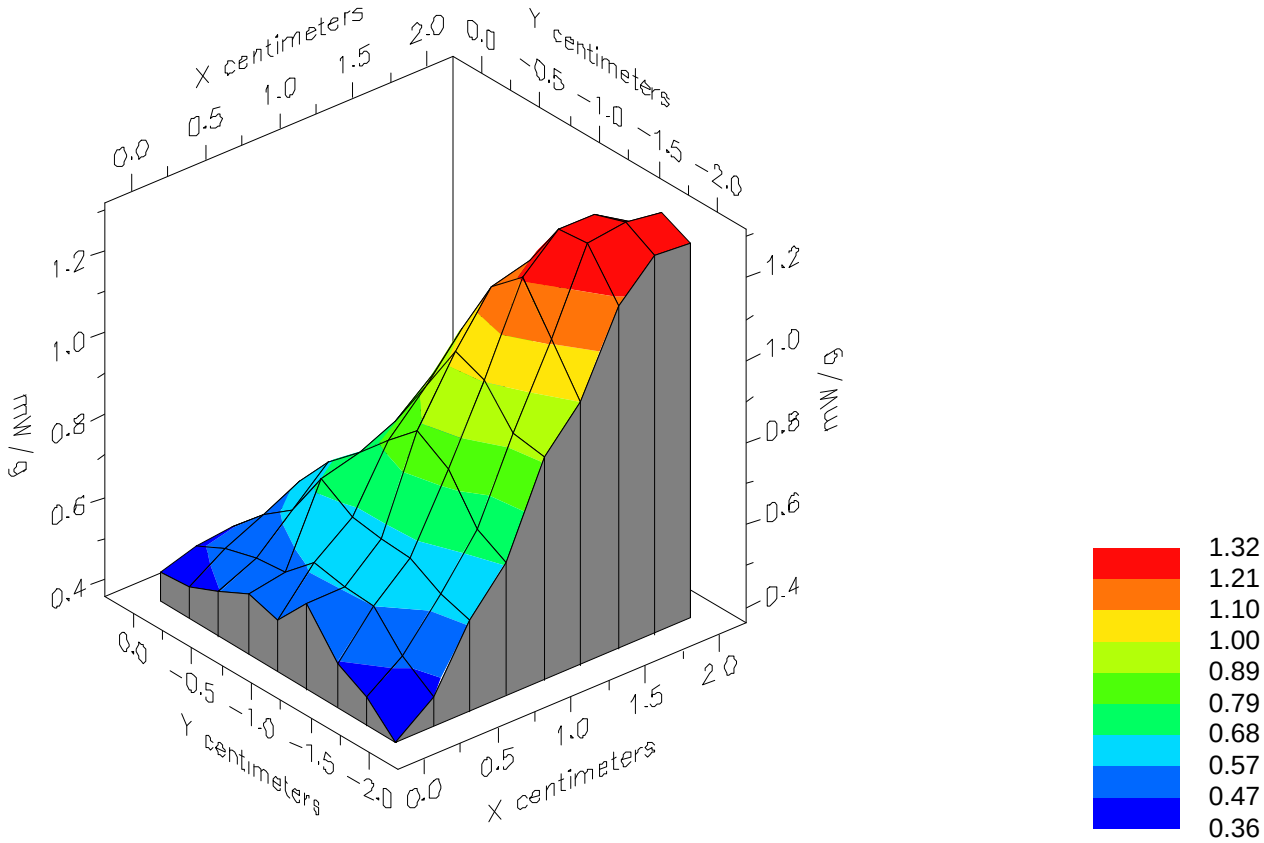
Ave. Voltage (Vs+Vt)/2 = 0.0162

Ave. SAR over 1 g (mW/g) = 1.1853

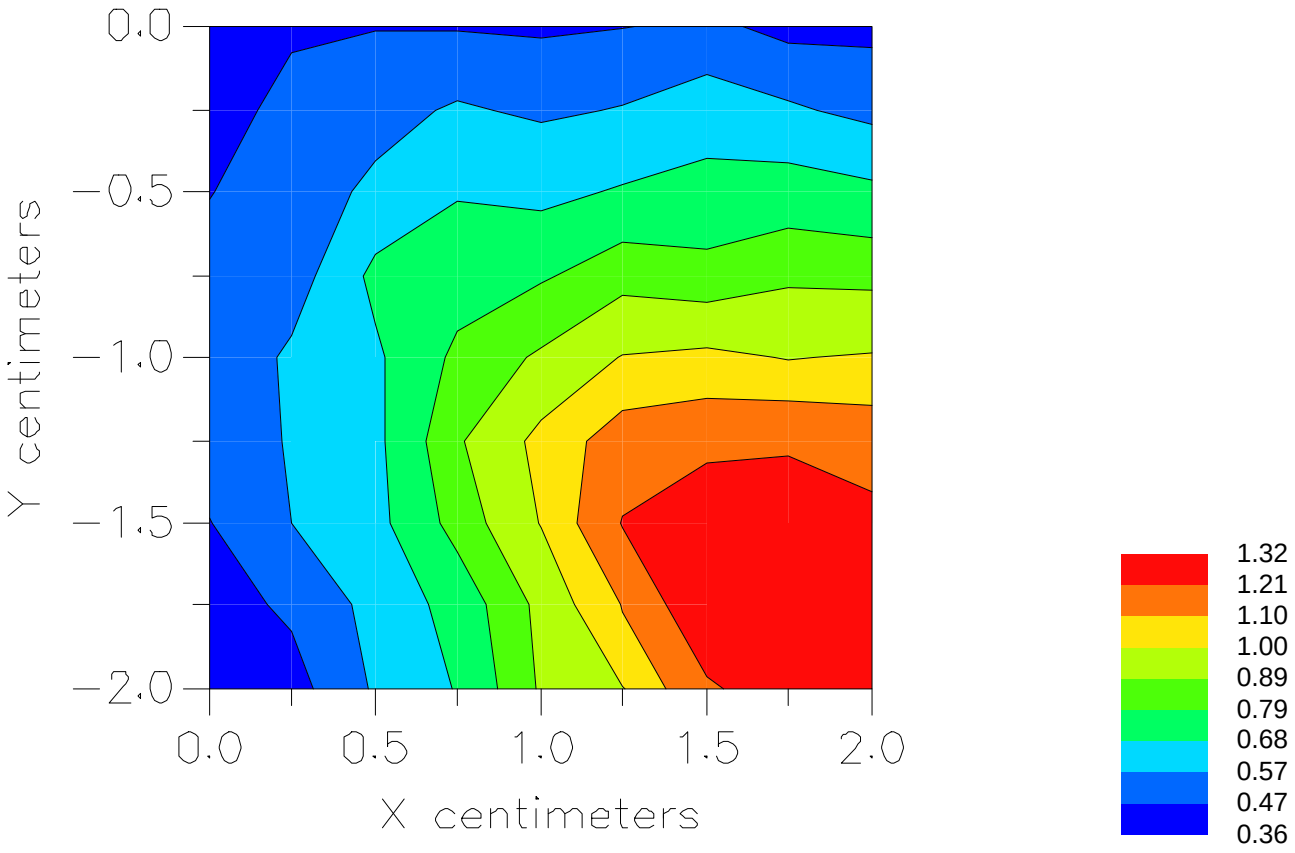
SAR Scan
File : 01042315_ZOOM
Start : 23-Apr-101 03:44:34 pm End : 23-Apr-101 03:55:25 pm
SAMSUNG/SPH-A330/2;824.04MHz;W;Helical/Out;
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/41.500/0.900



File : 01042315_ZOOM
Start : 23-Apr-101 03:44:34 pm End : 23-Apr-101 03:55:25 pm
SAMSUNG/SPH-A330/2;824.04MHz;W;Helical/Out;
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/41.500/0.900



File : 01042315_ZOOM
Start : 23-Apr-101 03:44:34 pm End : 23-Apr-101 03:55:25 pm
SAMSUNG/SPH-A330/2;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/01042303_ZOOM.VLT
Start : 23-Apr-101 12:06:06 pm End : 23-Apr-101 12:15:14 pm

Radio Type : SAMSUNG
Model Number : SPH-A330
Serial Number : 2
Frequency : 836.49 MHz
Peak Trans. Pwr : 0.400 W
Start Trans. Pwr: 0.400 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 26.0 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 = 1.750, Y = -1.750, Z = 0.000 (cm) Value = 19.349

Measured Values (volts) =

1.960E-002	1.323E-002	1.071E-002	8.723E-003	7.638E-003	6.522E-003
5.752E-003	5.147E-003	4.630E-003	4.251E-003	3.785E-003	3.471E-003
3.037E-003	2.609E-003	2.210E-003	1.801E-003	1.466E-003	1.230E-003
1.071E-003	1.005E-003	9.956E-004			

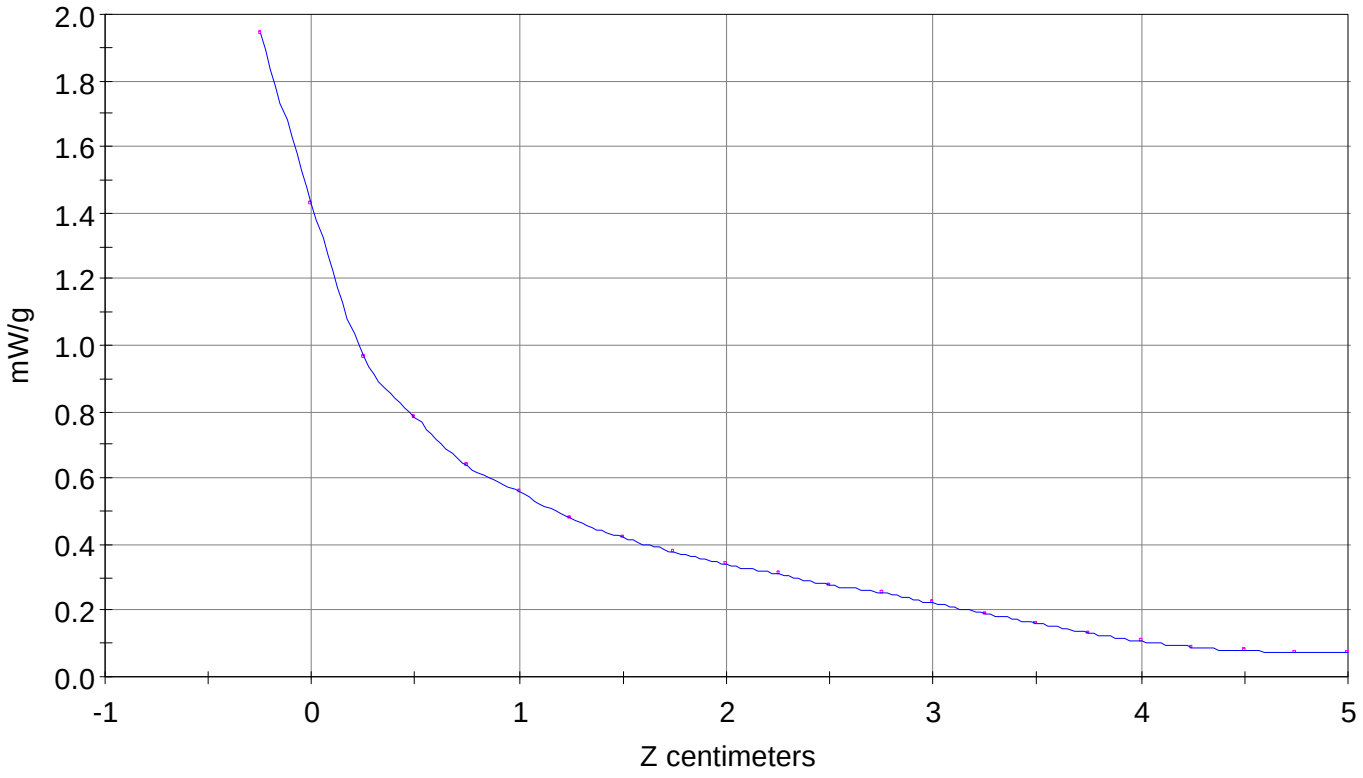
Calc. Voltage @ Surface (Vs) = 0.0266

Voltage @ 1.00 cm (Vt) = 0.0087

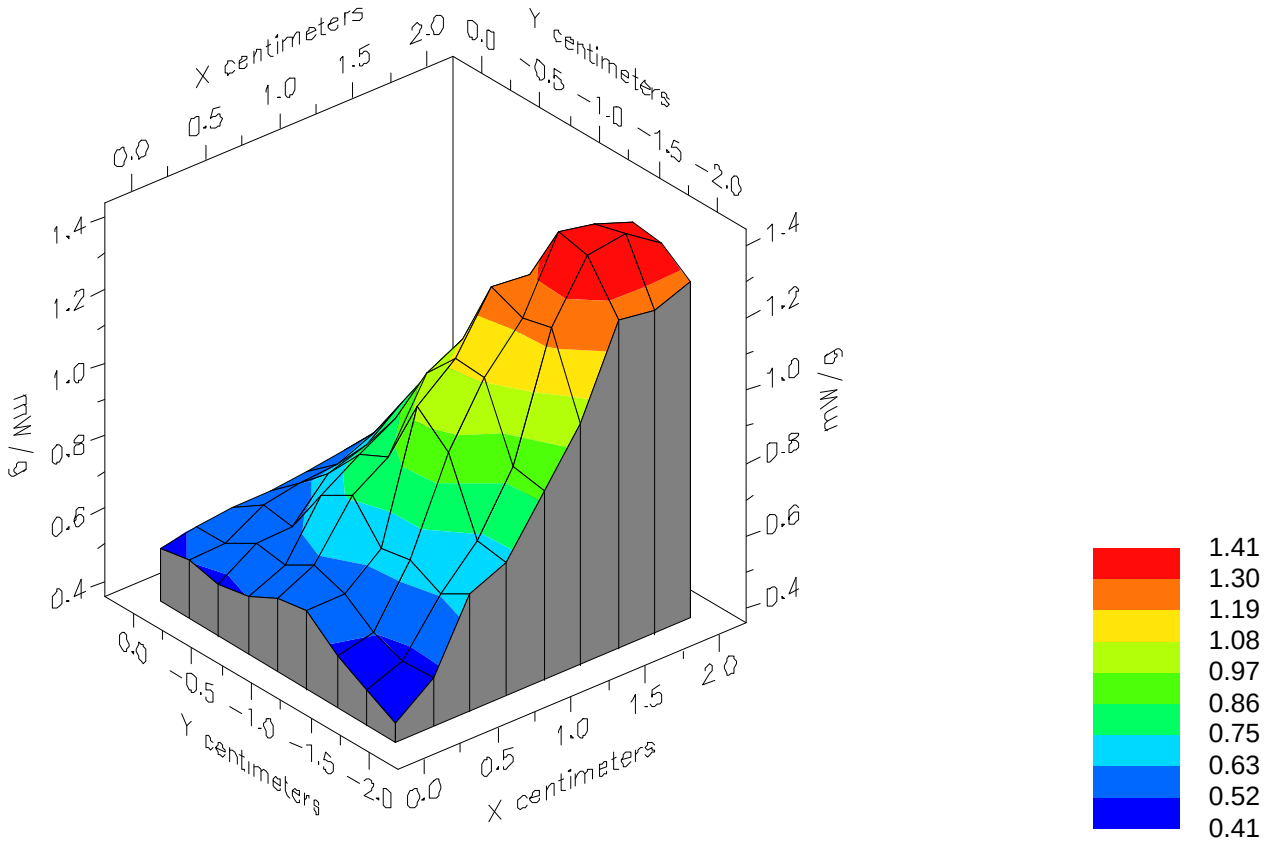
Ave. Voltage (Vs+Vt)/2 = 0.0177

Ave. SAR over 1 g (mW/g) = 1.2894

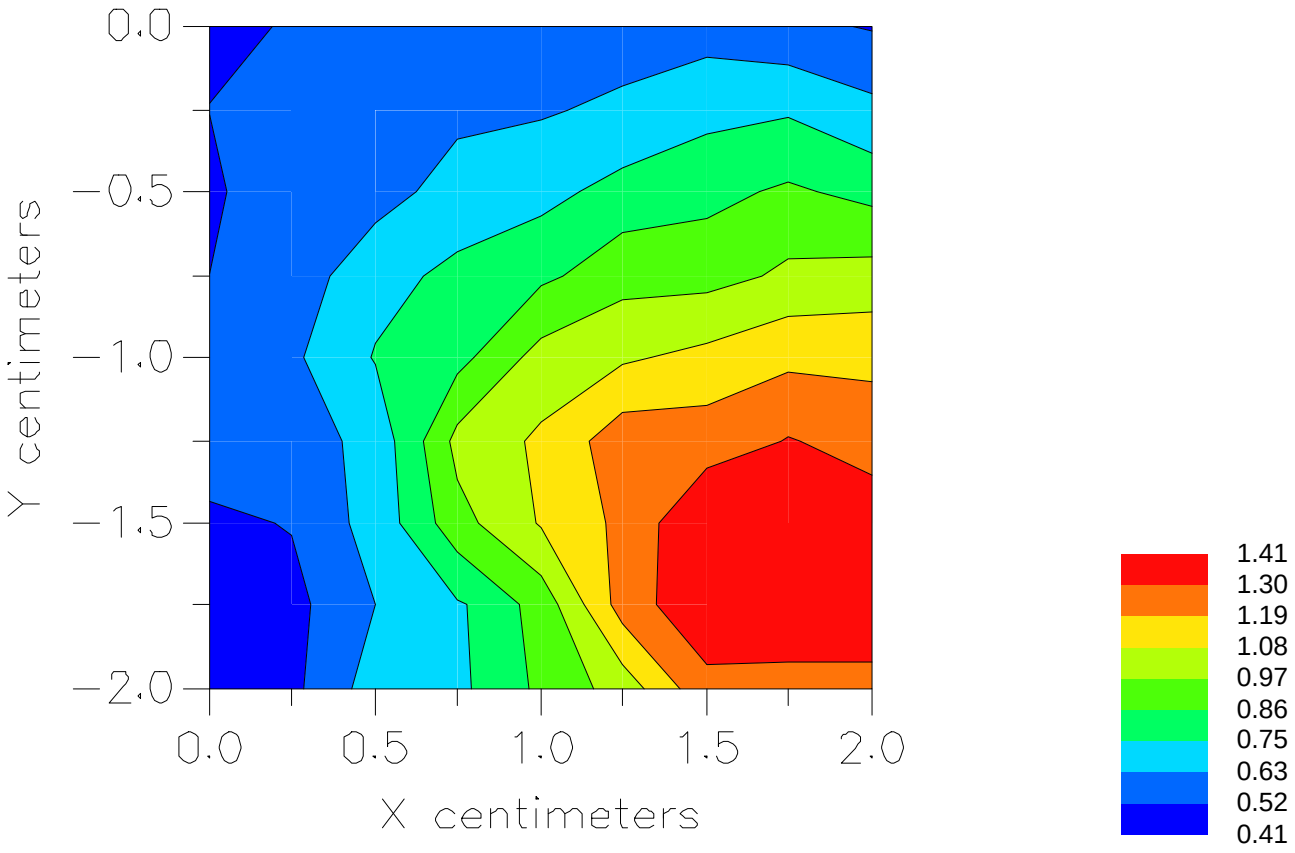
SAR Scan
File : 01042303_ZOOM
Start : 23-Apr-101 12:06:06 pm End : 23-Apr-101 12:15:14 pm
SAMSUNG/SPH-A330/2;836.49MHz;W;Helical/In;
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/41.500/0.900



File : 01042303_ZOOM
Start : 23-Apr-101 12:06:06 pm End : 23-Apr-101 12:15:14 pm
SAMSUNG/SPH-A330/2;836.49MHz;W;Helical/In;
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/41.500/0.900



File : 01042303_ZOOM
Start : 23-Apr-101 12:06:06 pm End : 23-Apr-101 12:15:14 pm
SAMSUNG/SPH-A330/2;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/01042302_ZOOM.VLT
Start : 23-Apr-101 11:49:10 am End : 23-Apr-101 11:58:47 am

Radio Type : SAMSUNG
Model Number : SPH-A330
Serial Number : 2
Frequency : 836.49 MHz
Peak Trans. Pwr : 0.400 W
Start Trans. Pwr: 0.400 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 26.0 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 = 1.750, Y = -1.750, Z = 0.000 (cm) Value = 19.190

Measured Values (volts) =

1.873E-002	1.281E-002	1.045E-002	8.623E-003	7.355E-003	6.441E-003
5.672E-003	5.006E-003	4.536E-003	4.165E-003	3.803E-003	3.431E-003
2.999E-003	2.627E-003	2.140E-003	1.754E-003	1.411E-003	1.197E-003
1.030E-003	9.944E-004	1.013E-003			

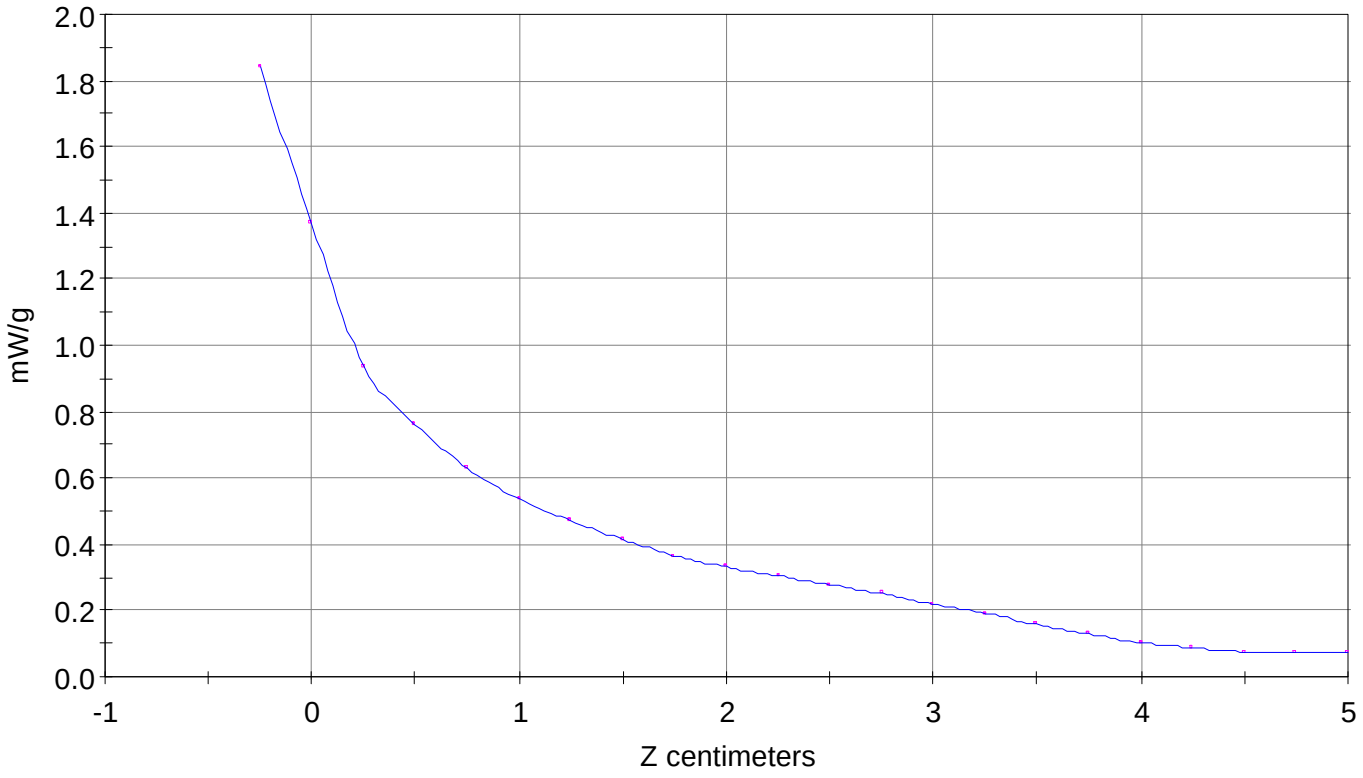
Calc. Voltage @ Surface (Vs) = 0.0252

Voltage @ 1.00 cm (Vt) = 0.0086

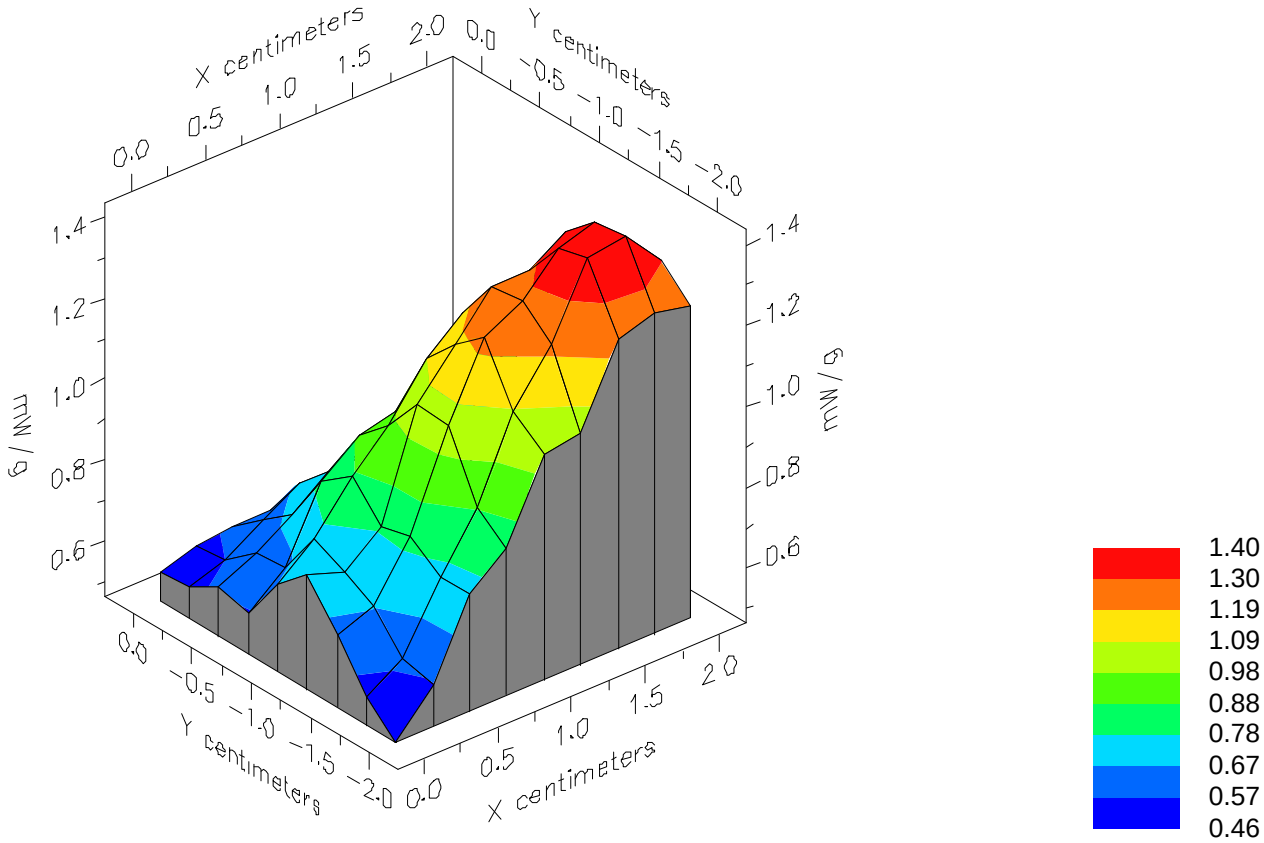
Ave. Voltage (Vs+Vt)/2 = 0.0169

Ave. SAR over 1 g (mW/g) = 1.2331

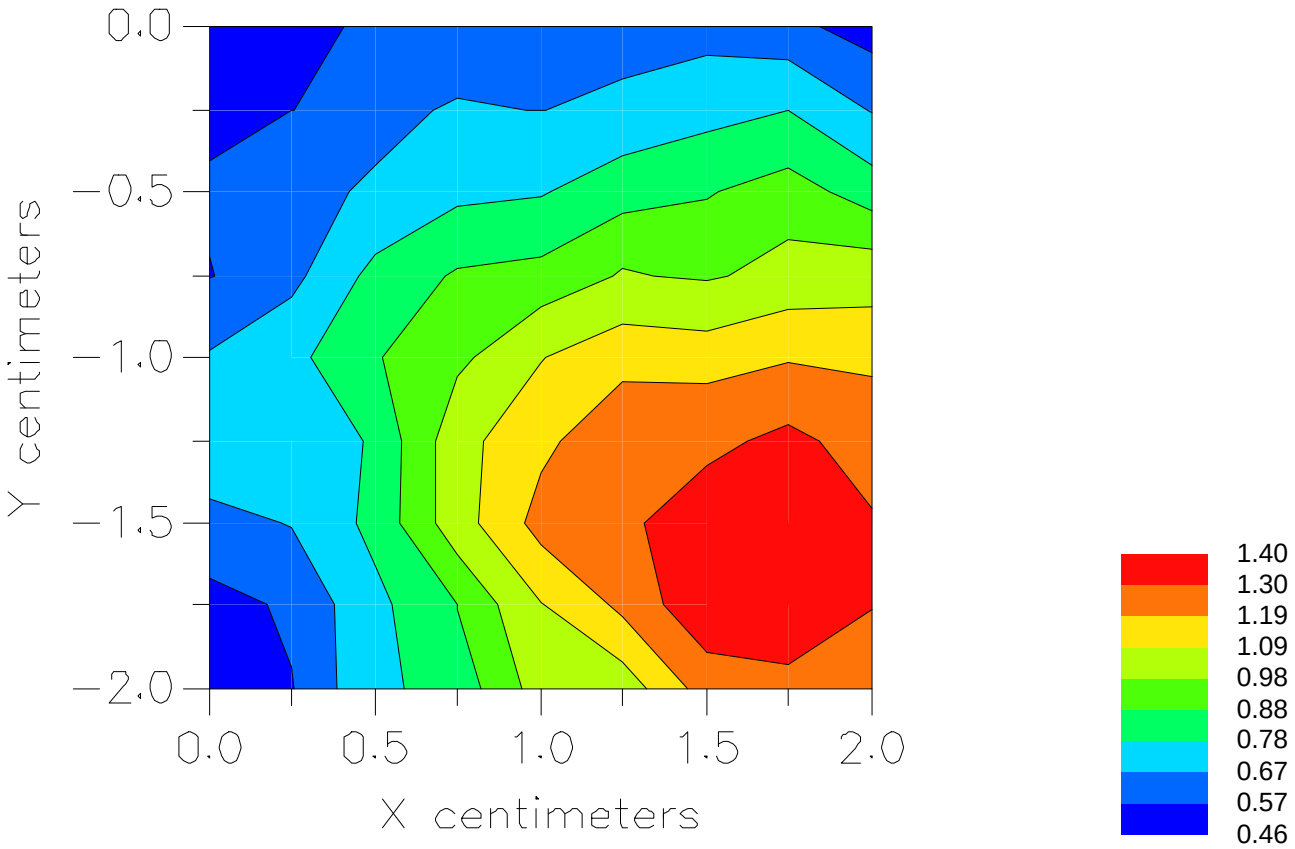
SAR Scan
File : 01042302_ZOOM
Start : 23-Apr-101 11:49:10 am End : 23-Apr-101 11:58:47 am
SAMSUNG/SPH-A330/2;836.49MHz;W;Helical/Out;
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/41.500/0.900



File : 01042302_ZOOM
Start : 23-Apr-101 11:49:10 am End : 23-Apr-101 11:58:47 am
SAMSUNG/SPH-A330/2;836.49MHz;W;Helical/Out;
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/41.500/0.900



File : 01042302_ZOOM
Start : 23-Apr-101 11:49:10 am End : 23-Apr-101 11:58:47 am
SAMSUNG/SPH-A330/2;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/01042307_ZOOM.VLT
Start : 23-Apr-101 12:49:20 pm End : 23-Apr-101 12:58:29 pm

Radio Type : SAMSUNG
Model Number : SCH-A330
Serial Number : 2
Frequency : 848.97 MHz
Peak Trans. Pwr : 0.400 W
Start Trans. Pwr: 0.400 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 26.0 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 = 1.750, Y = -1.750, Z = 0.000 (cm) Value = 19.034

Measured Values (volts) =

1.868E-002	1.383E-002	1.100E-002	8.960E-003	7.818E-003	6.639E-003
5.809E-003	5.175E-003	4.628E-003	4.220E-003	3.814E-003	3.459E-003
3.113E-003	2.679E-003	2.264E-003	1.858E-003	1.507E-003	1.212E-003
1.057E-003	9.236E-004	9.678E-004			

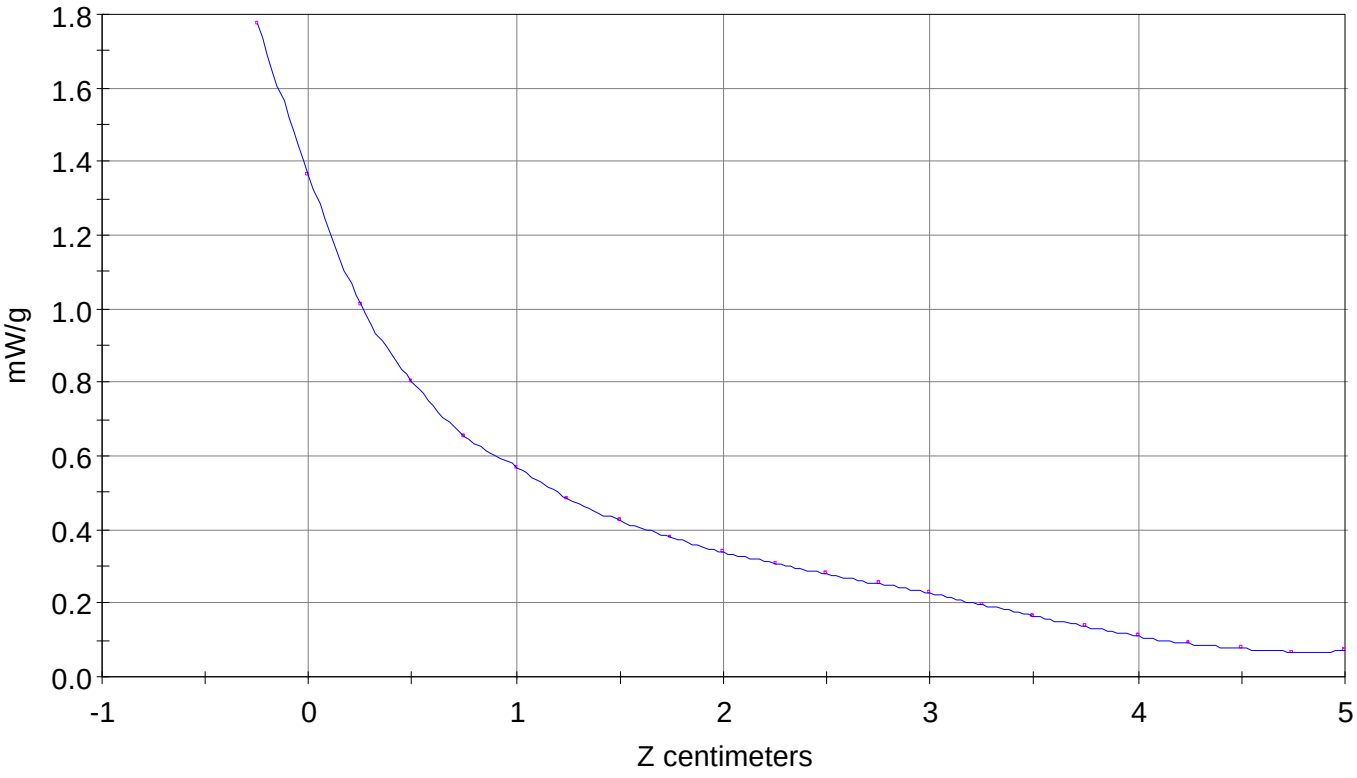
Calc. Voltage @ Surface (Vs) = 0.0244

Voltage @ 1.00 cm (Vt) = 0.0090

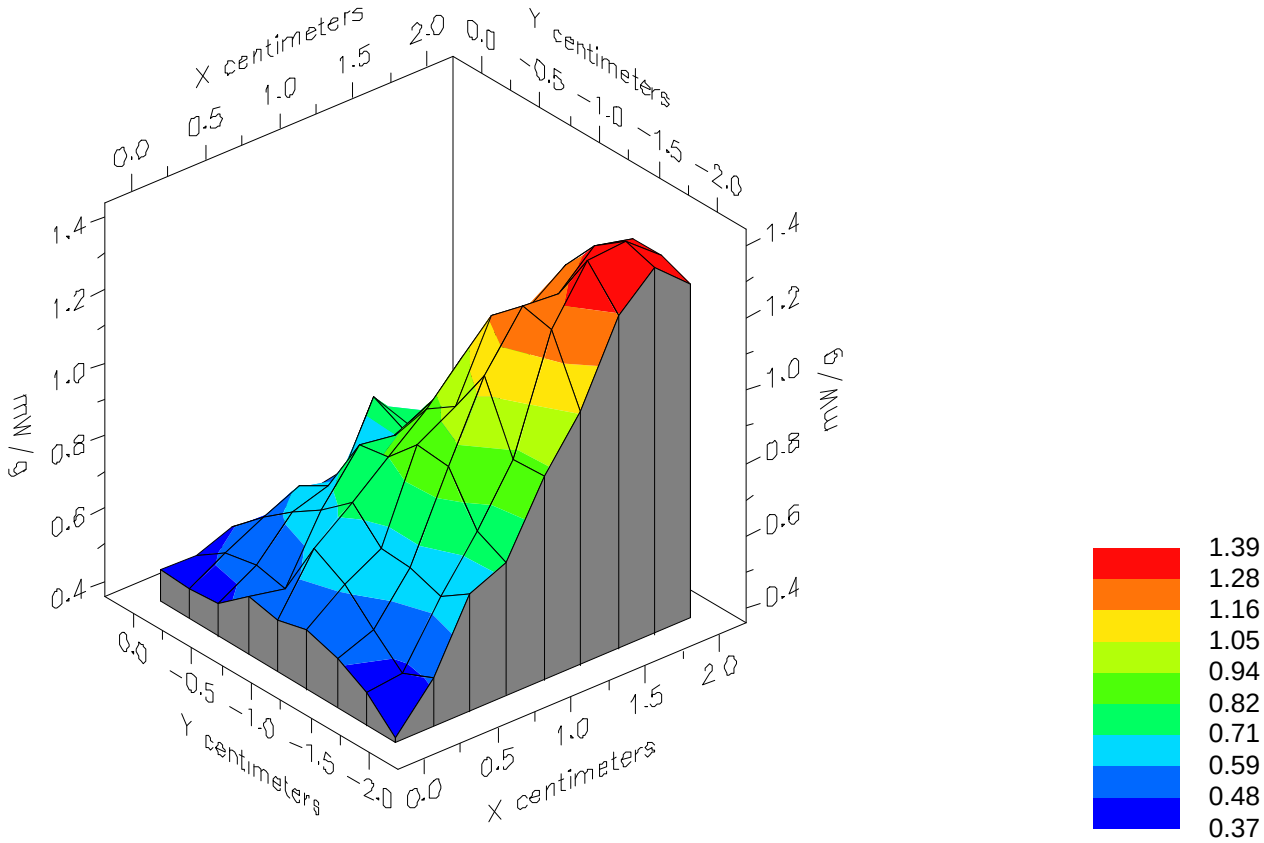
Ave. Voltage (Vs+Vt)/2 = 0.0167

Ave. SAR over 1 g (mW/g) = 1.2154

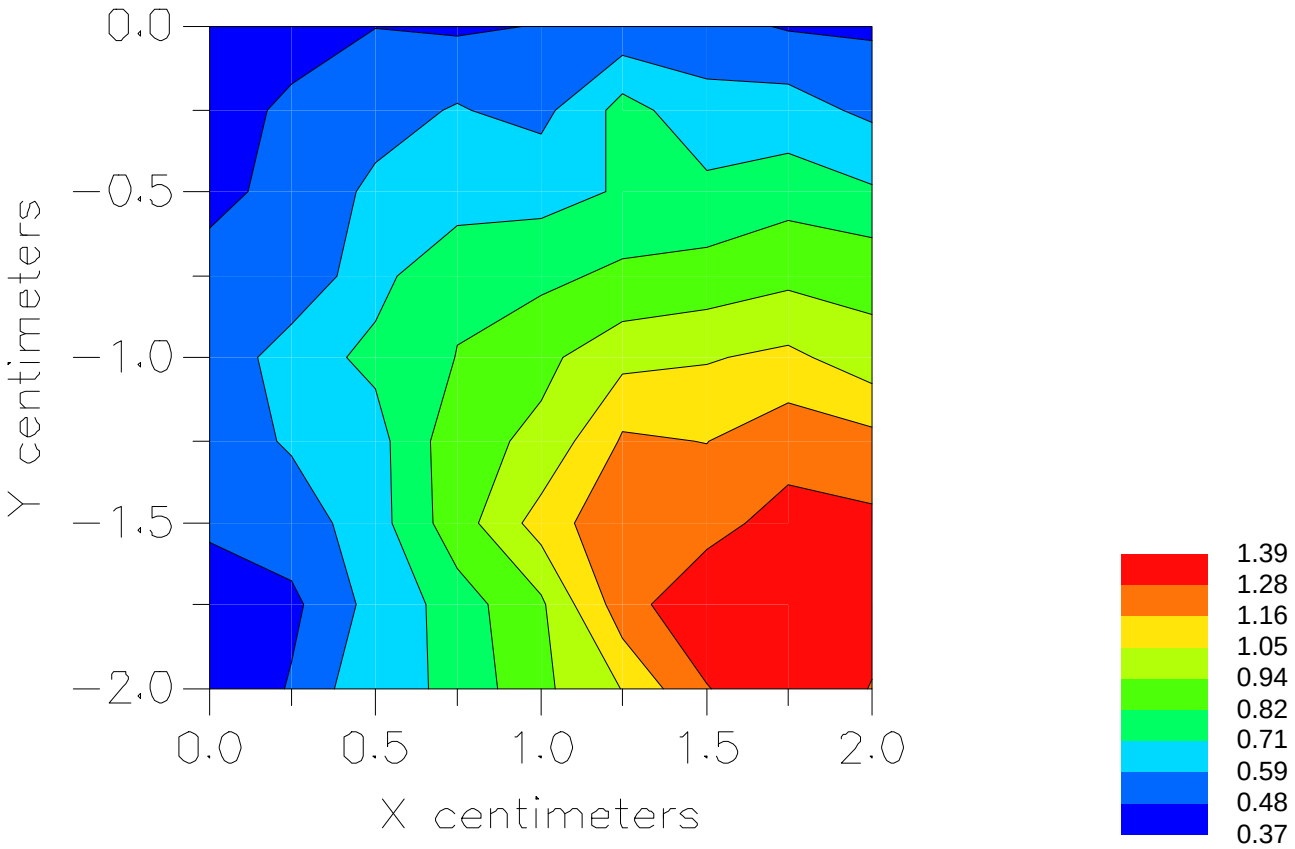
SAR Scan
File : 01042307_ZOOM
Start : 23-Apr-101 12:49:20 pm End : 23-Apr-101 12:58:29 pm
SAMSUNG/SPH-A330/2;848.97MHz;W;Helical/In;
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/41.500/0.900



File : 01042307_ZOOM
Start : 23-Apr-101 12:49:20 pm End : 23-Apr-101 12:58:29 pm
SAMSUNG/SPH-A330/2;848.97MHz;W;Helical/In;
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/41.500/0.900



File : 01042307_ZOOM
Start : 23-Apr-101 12:49:20 pm End : 23-Apr-101 12:58:29 pm
SAMSUNG/SPH-A330/2;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/01042308_ZOOM.VLT
Start : 23-Apr-101 01:03:44 pm End : 23-Apr-101 01:12:52 pm

Radio Type : SAMSUNG
Model Number : SCH-A330
Serial Number : 2
Frequency : 848.97 MHz
Peak Trans. Pwr : 0.400 W
Start Trans. Pwr: 0.400 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 26.0 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 = 1.750, Y = -1.750, Z = 0.000 (cm) Value = 15.323

Measured Values (volts) =

1.502E-002	1.104E-002	8.781E-003	7.053E-003	6.158E-003	5.294E-003
4.658E-003	4.081E-003	3.698E-003	3.327E-003	3.035E-003	2.717E-003
2.342E-003	2.093E-003	1.740E-003	1.418E-003	1.175E-003	9.625E-004
8.033E-004	7.377E-004	7.262E-004			

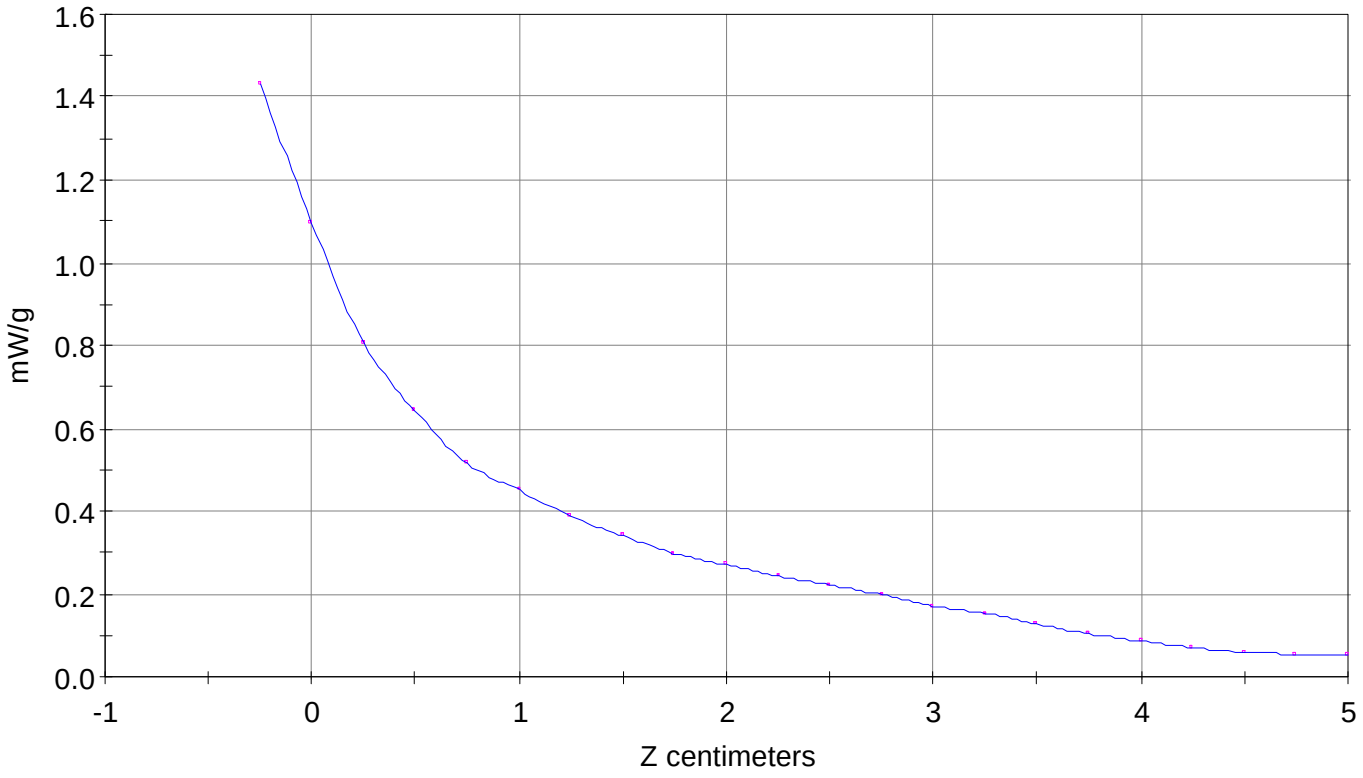
Calc. Voltage @ Surface (Vs) = 0.0197

Voltage @ 1.00 cm (Vt) = 0.0071

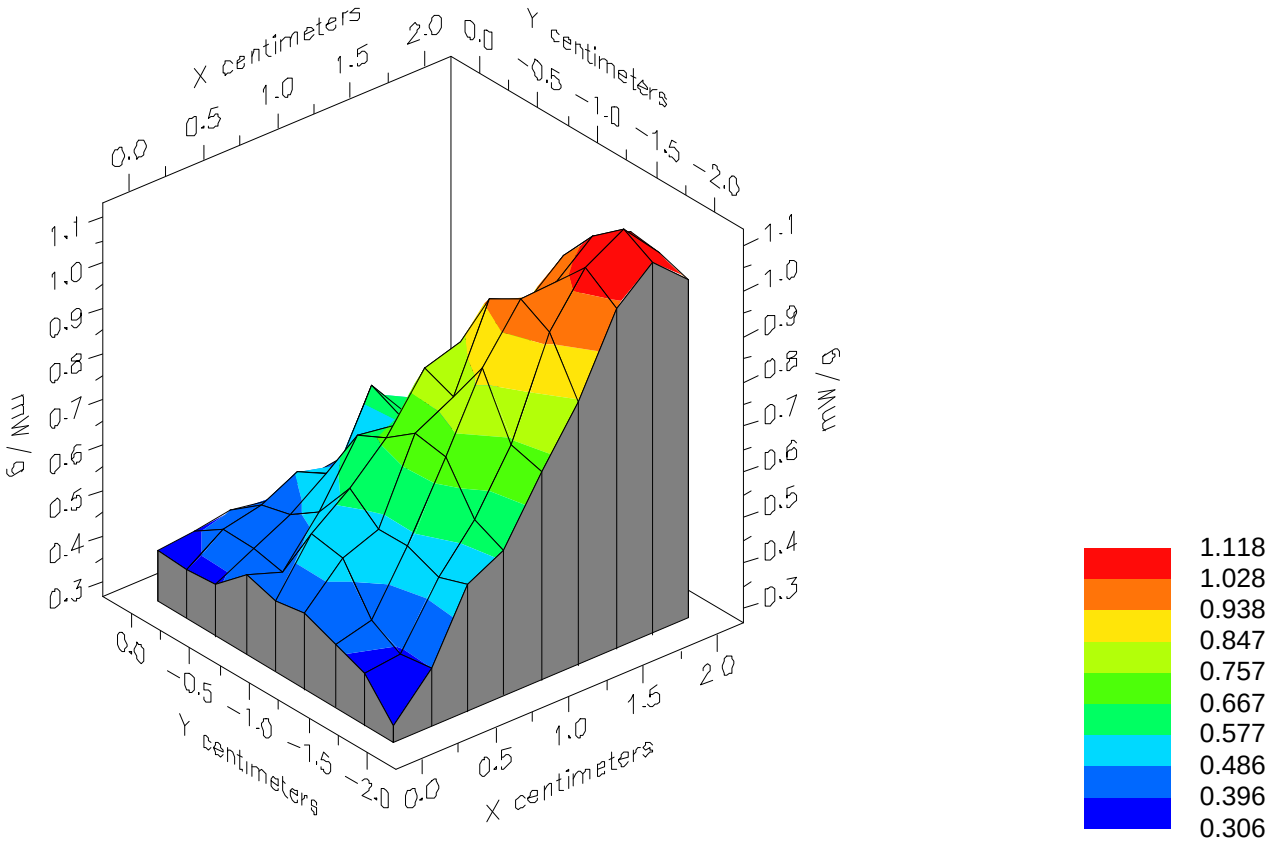
Ave. Voltage (Vs+Vt)/2 = 0.0134

Ave. SAR over 1 g (mW/g) = 0.9746

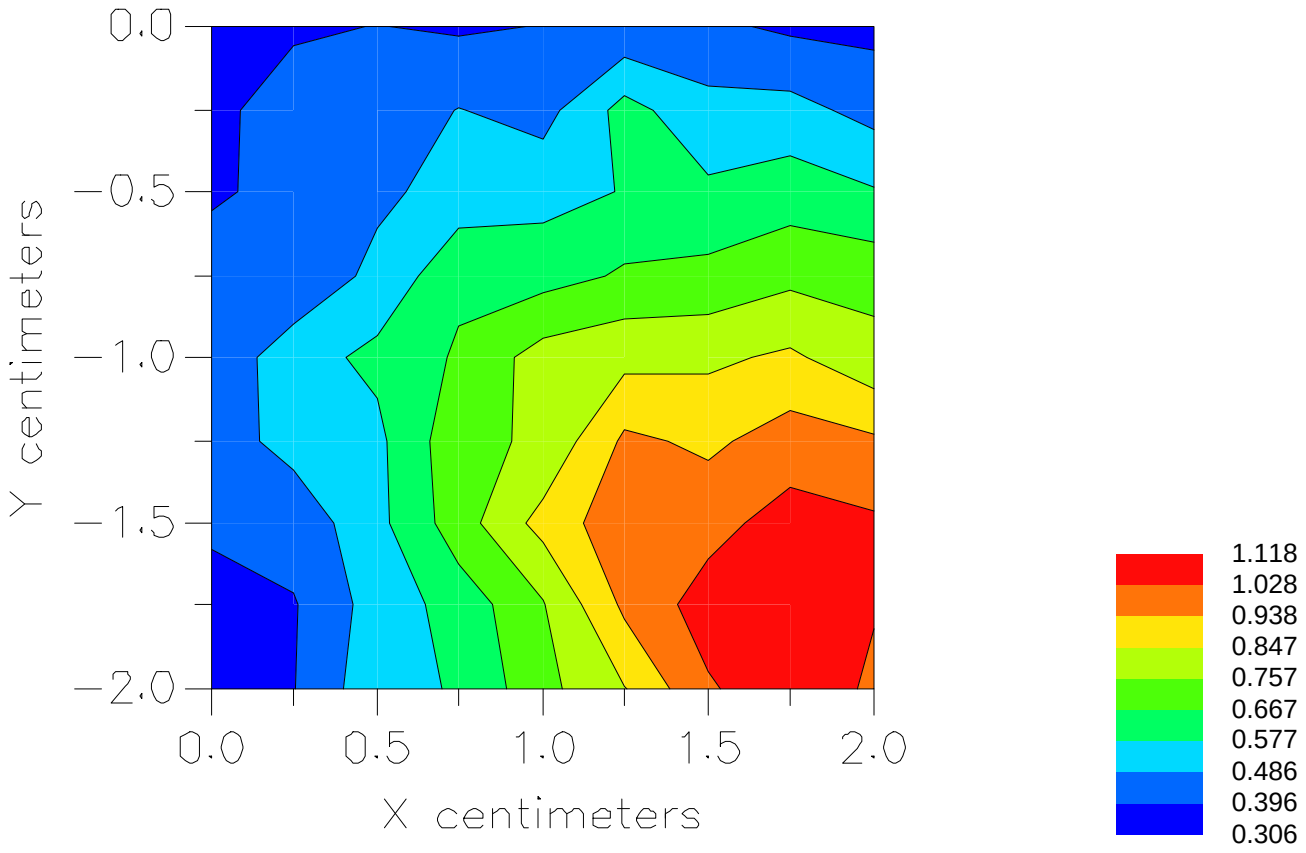
SAR Scan
File : 01042308_ZOOM
Start : 23-Apr-101 01:03:44 pm End : 23-Apr-101 01:12:52 pm
SAMSUNG/SPH-A330/2;848.97MHz;W;Helical/Out;
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/41.500/0.900



File : 01042308_ZOOM
Start : 23-Apr-101 01:03:44 pm End : 23-Apr-101 01:12:52 pm
SAMSUNG/SPH-A330/2;848.97MHz;W;Helical/Out;
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/41.500/0.900



File : 01042308_ZOOM
Start : 23-Apr-101 01:03:44 pm End : 23-Apr-101 01:12:52 pm
SAMSUNG/SPH-A330/2;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/01042316_ZOOM.VLT
Start : 23-Apr-101 04:09:57 pm End : 23-Apr-101 04:20:46 pm

Radio Type : SAMSUNG
Model Number : SPH-A330
Serial Number : 2
Frequency : 835.89 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 0363 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 = 2.000, Y = -2.000, Z = 0.000 (cm) Value = 16.921

Measured Values (volts) =

1.679E-002	1.193E-002	9.845E-003	8.145E-003	6.868E-003	5.958E-003
5.343E-003	4.724E-003	4.334E-003	3.940E-003	3.538E-003	3.136E-003
2.778E-003	2.322E-003	1.951E-003	1.530E-003	1.238E-003	1.039E-003
9.552E-004	9.117E-004	9.621E-004			

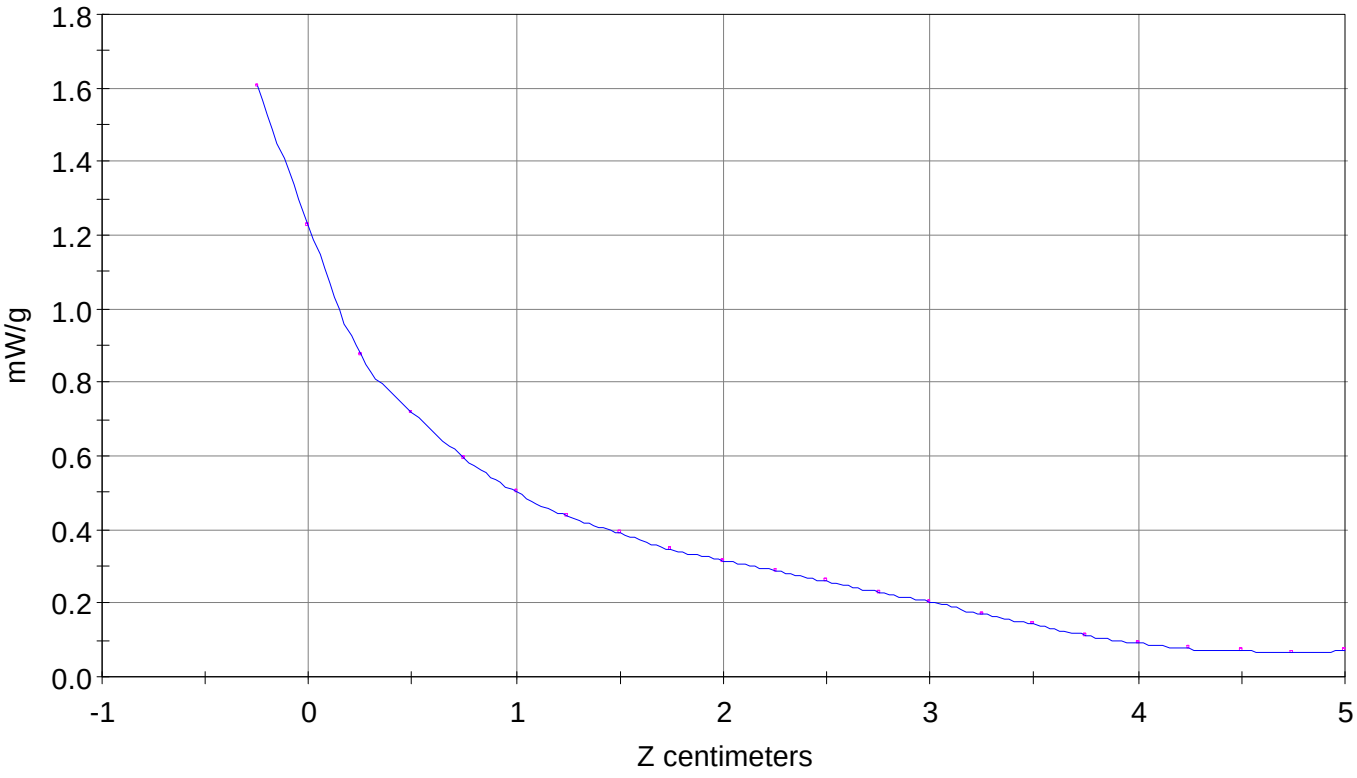
Calc. Voltage @ Surface (Vs) = 0.0220

Voltage @ 1.00 cm (Vt) = 0.0081

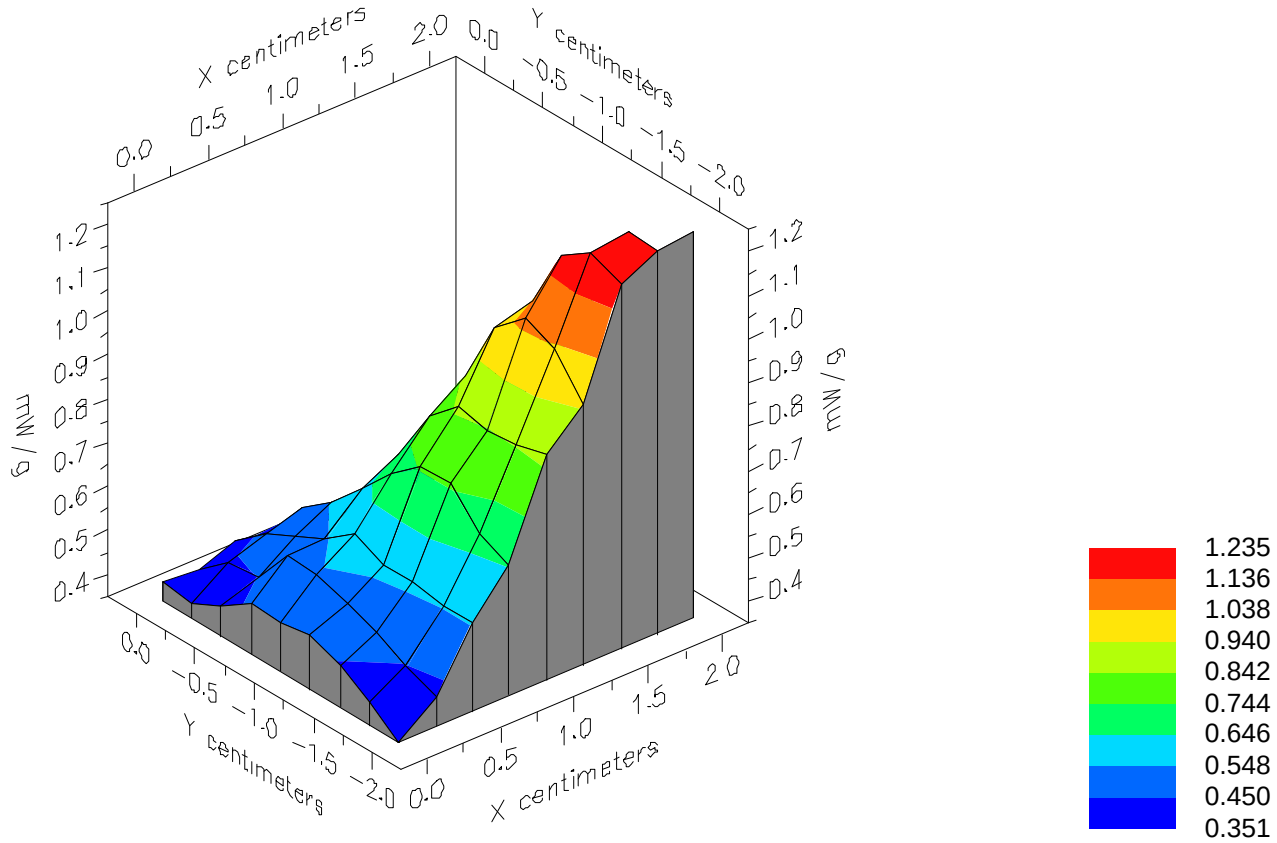
Ave. Voltage (Vs+Vt)/2 = 0.0151

Ave. SAR over 1 g (mW/g) = 1.0989

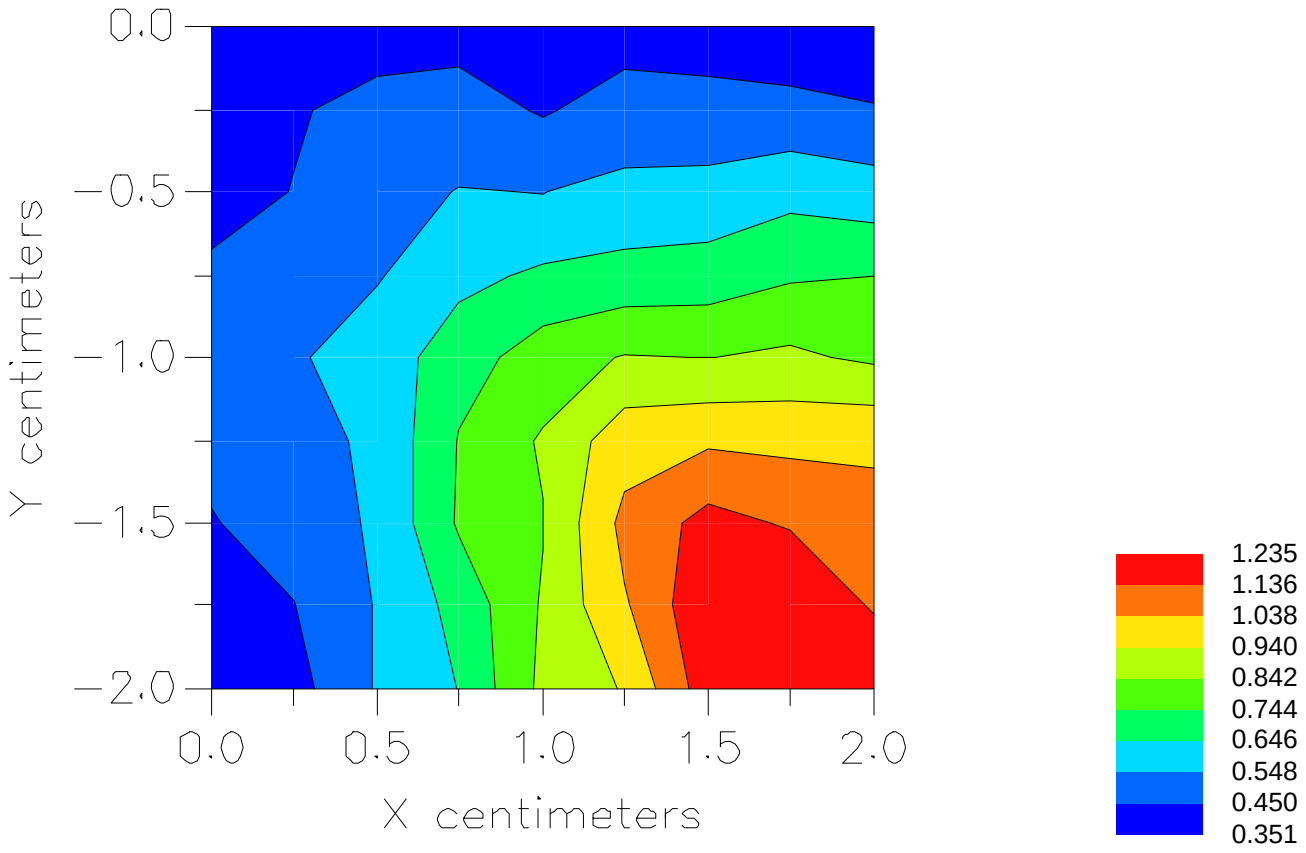
SAR Scan
File : 01042316_ZOOM
Start : 23-Apr-101 04:09:57 pm End : 23-Apr-101 04:20:46 pm
SAMSUNG/SPH-A330/2;835.89MHz;W;Helical/In;
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/41.500/0.900



File : 01042316_ZOOM
Start : 23-Apr-101 04:09:57 pm End : 23-Apr-101 04:20:46 pm
SAMSUNG/SPH-A330/2;835.89MHz;W;Helical/In;
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/41.500/0.900



File : 01042316_ZOOM
Start : 23-Apr-101 04:09:57 pm End : 23-Apr-101 04:20:46 pm
SAMSUNG/SPH-A330/2;835.89MHz;W;Helical/In;
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/41.500/0.900



File : c:/idx3/SYSTEM/SARMEAS3/data/Normal/01042317_ZOOM.VLT
Start : 23-Apr-101 04:23:02 pm End : 23-Apr-101 04:42:46 pm

Radio Type : SAMSUNG
Model Number : SPH-A330
Serial Number : 2
Frequency : 835.89 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 0363 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 = 1.750, Y = -1.750, Z = 0.000 (cm) Value = 14.968

Measured Values (volts) =

1.478E-002	1.010E-002	8.068E-003	6.662E-003	5.579E-003	4.867E-003
4.274E-003	3.891E-003	3.432E-003	3.220E-003	2.911E-003	2.653E-003
2.314E-003	1.973E-003	1.587E-003	1.343E-003	1.070E-003	8.954E-004
8.074E-004	8.015E-004	8.248E-004			

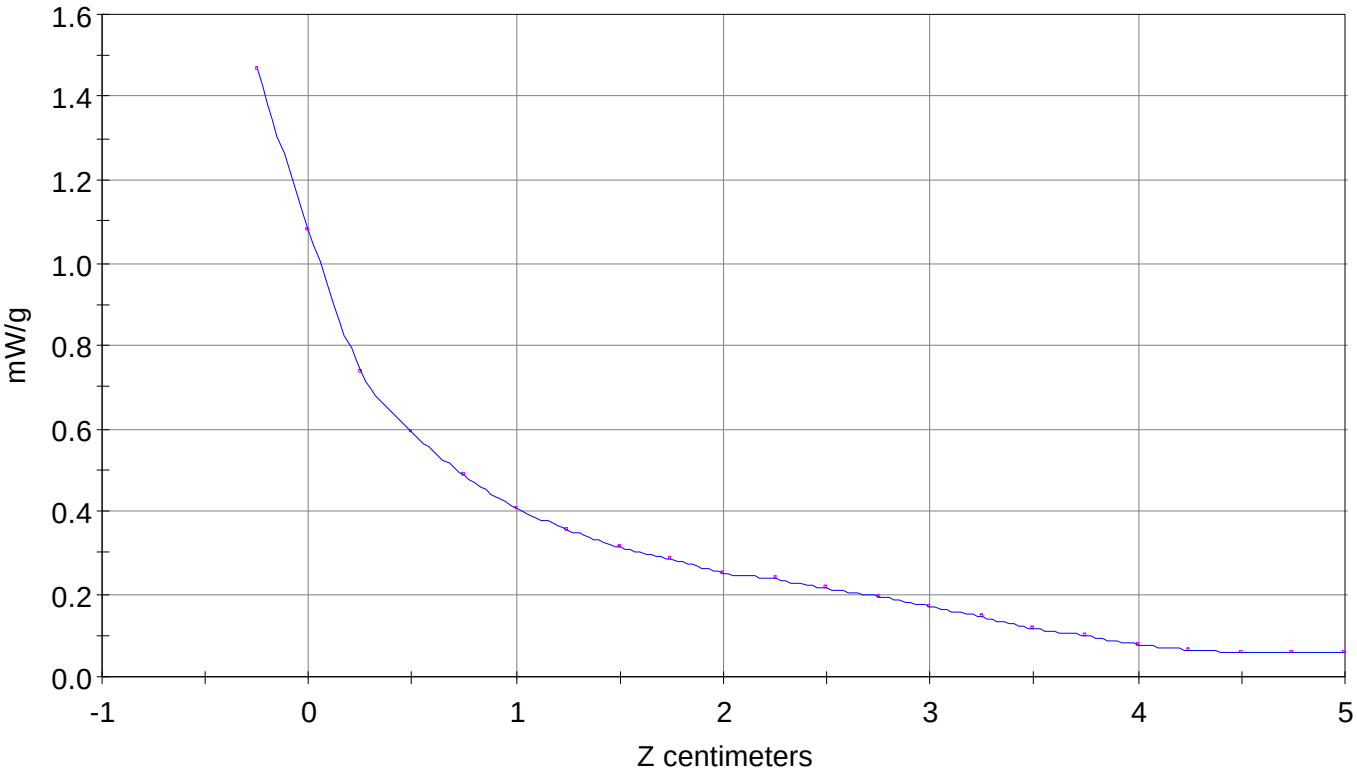
Calc. Voltage @ Surface (Vs) = 0.0201

Voltage @ 1.00 cm (Vt) = 0.0067

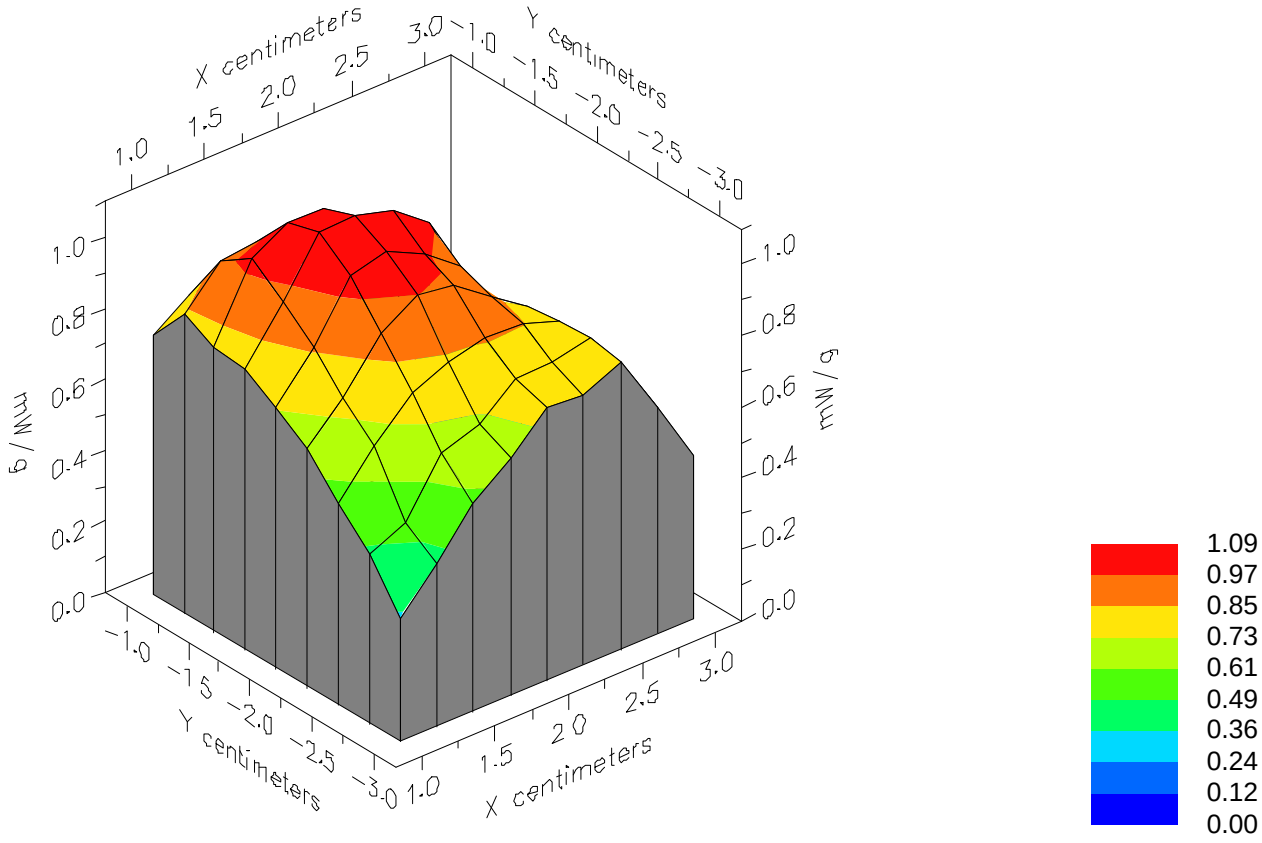
Ave. Voltage (Vs+Vt)/2 = 0.0134

Ave. SAR over 1 g (mW/g) = 0.9751

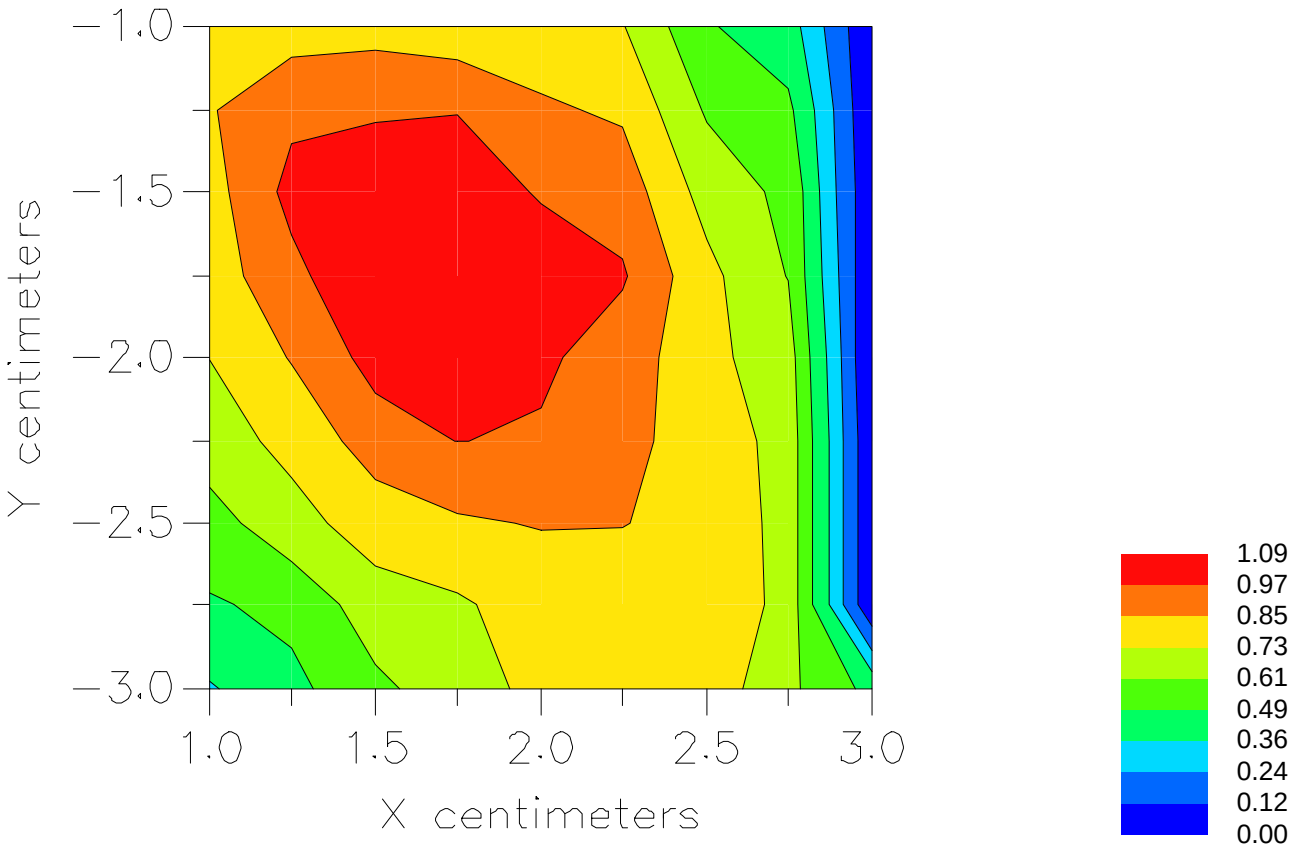
SAR Scan
File : 01042317_ZOOM
Start : 23-Apr-101 04:23:02 pm End : 23-Apr-101 04:42:46 pm
SAMSUNG/SPH-A330/2;835.89MHz;W;Helical/Out;
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/41.500/0.900



File : 01042317_ZOOM
Start : 23-Apr-101 04:23:02 pm End : 23-Apr-101 04:42:46 pm
SAMSUNG/SPH-A330/2;835.89MHz;W;Helical/Out;
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/41.500/0.900



File : 01042317_ZOOM
Start : 23-Apr-101 04:23:02 pm End : 23-Apr-101 04:42:46 pm
SAMSUNG/SPH-A330/2;835.89MHz;W;Helical/Out;
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/41.500/0.900



Peak SAR Location

1800 MHz Head SAR

File : c:/idx3/SYSTEM/SARMEAS3/data/Normal/01042403_ZOOM.VLT
Start : 24-Apr-101 10:00:19 am End : 24-Apr-101 10:11:41 am

Radio Type : SAMSUNG
Model Number : SPH-A330
Serial Number : 2
Frequency : 1851.25 MHz
Peak Trans. Pwr : 0.280 W
Start Trans. Pwr: 0.280 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 24.5 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 = 1.500, Y = -1.500, Z = 0.000 (cm) Value = 11.105

Measured Values (volts) =

1.057E-002	7.286E-003	5.900E-003	4.689E-003	4.058E-003	3.621E-003
3.182E-003	2.912E-003	2.698E-003	2.571E-003	2.480E-003	2.407E-003
2.375E-003	2.330E-003	2.202E-003	2.199E-003	2.197E-003	2.132E-003
2.159E-003	2.146E-003	2.179E-003			

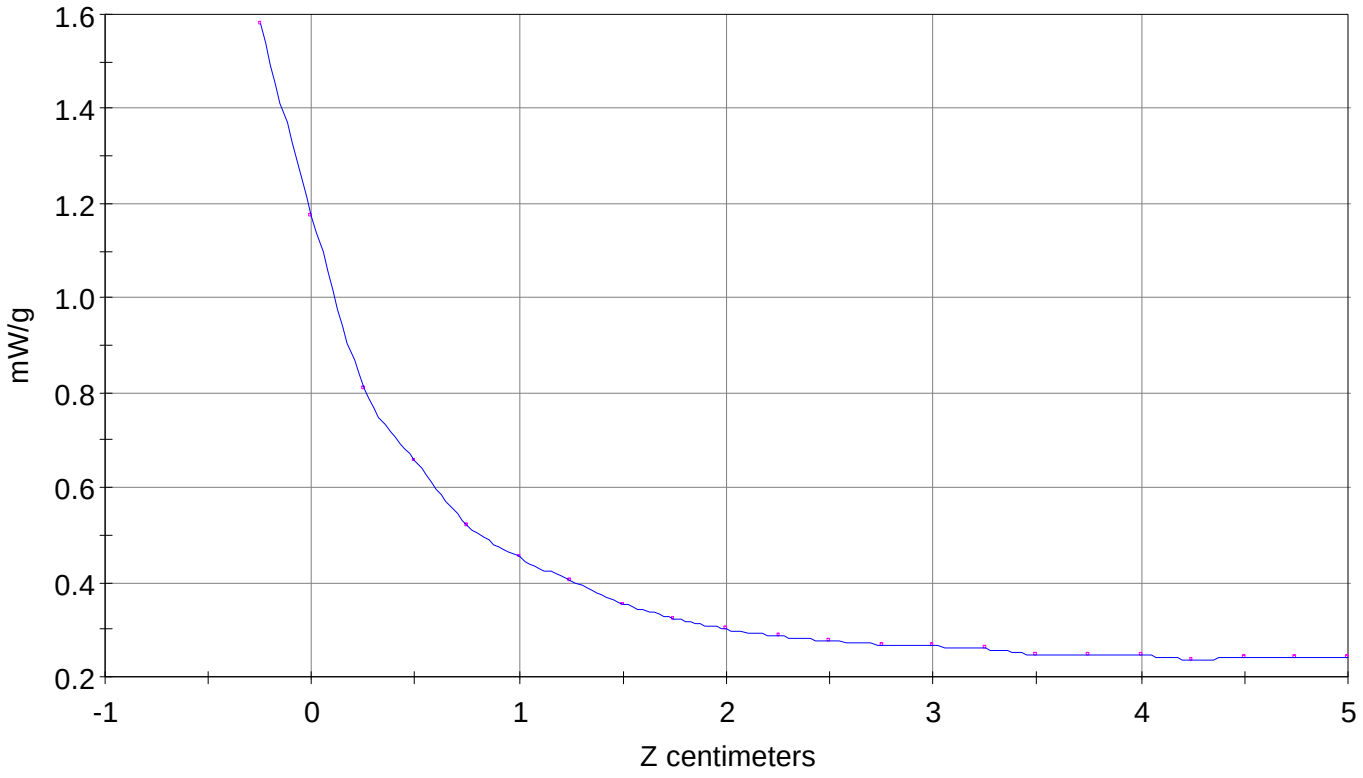
Calc. Voltage @ Surface (Vs) = 0.0142

Voltage @ 1.00 cm (Vt) = 0.0047

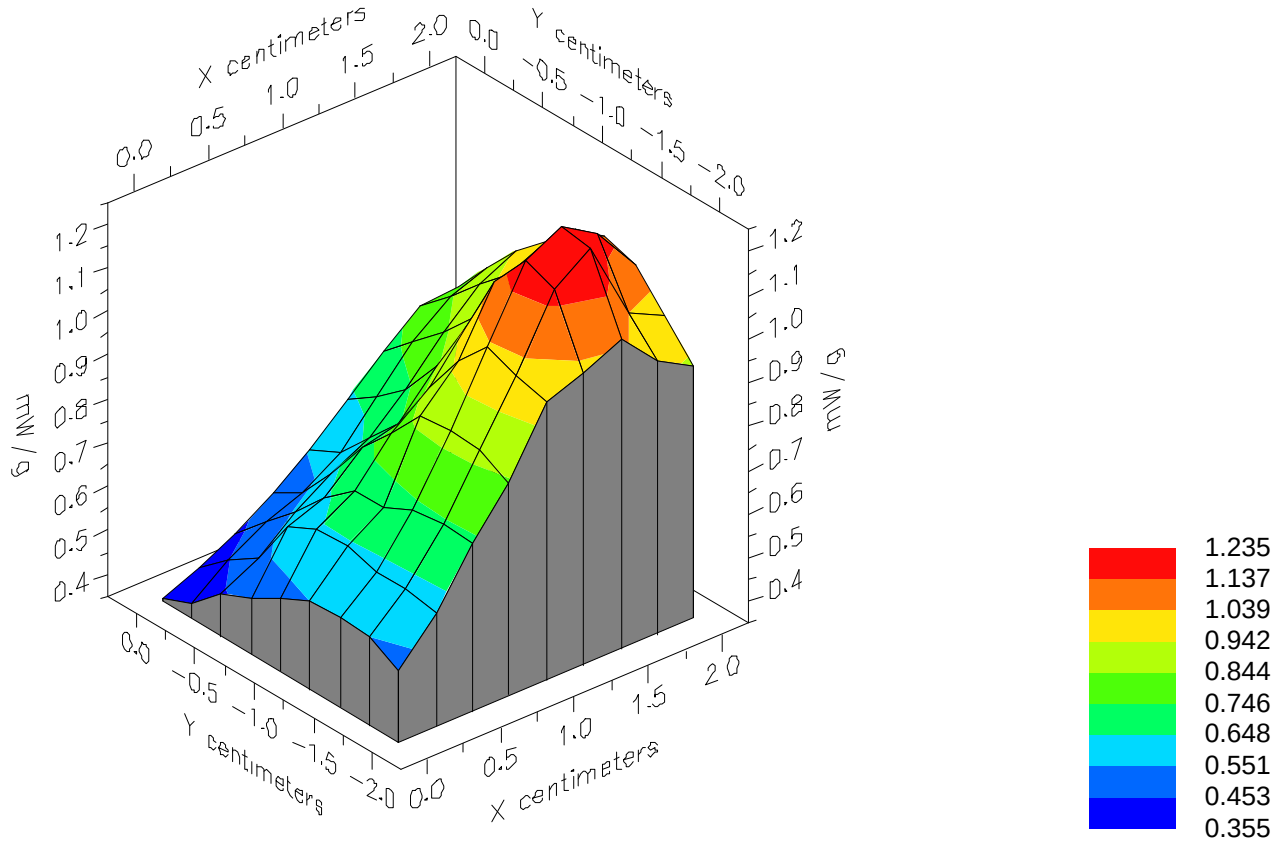
Ave. Voltage (Vs+Vt)/2 = 0.0094

Ave. SAR over 1 g (mW/g) = 1.0502

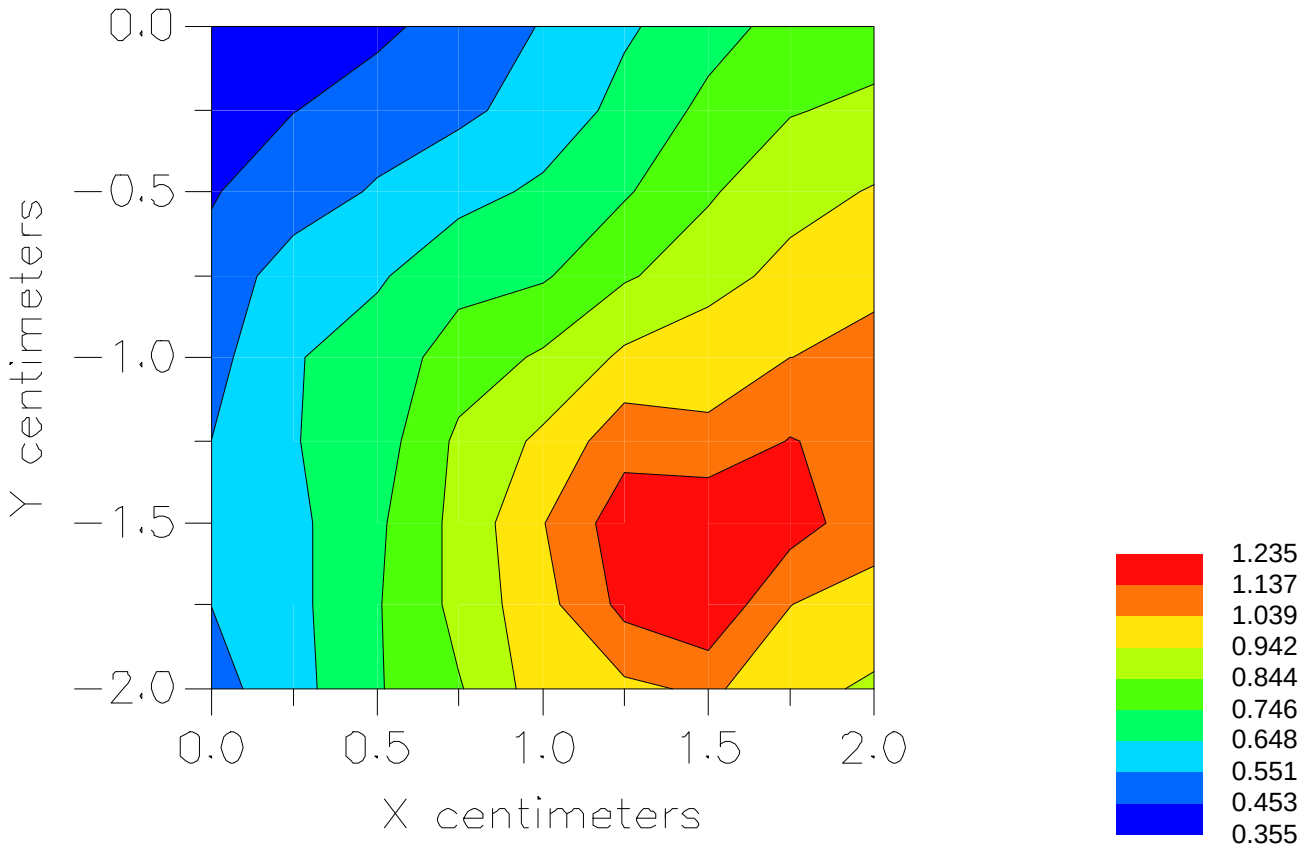
SAR Scan
File : 01042403_ZOOM
Start : 24-Apr-101 10:00:19 am End : 24-Apr-101 10:11:41 am
SAMSUNG/SPH-A330/2;1851.25MHz;W;Helical/In;
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/40.400/1.820



File : 01042403_ZOOM
Start : 24-Apr-101 10:00:19 am End : 24-Apr-101 10:11:41 am
SAMSUNG/SPH-A330/2;1851.25MHz;W;Helical/In;
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/40.400/1.820



File : 01042403_ZOOM
Start : 24-Apr-101 10:00:19 am End : 24-Apr-101 10:11:41 am
SAMSUNG/SPH-A330/2;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/01042405_ZOOM.VLT
Start : 24-Apr-101 10:53:00 am End : 24-Apr-101 11:02:08 am

Radio Type : SAMSUNG
Model Number : SPH-A330
Serial Number : 2
Frequency : 1851.25 MHz
Peak Trans. Pwr : 0.280 W
Start Trans. Pwr: 0.280 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 24.5 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 = 1.750, Y = -2.000, Z = 0.000 (cm) Value = 7.141

Measured Values (volts) =

7.034E-003	4.866E-003	4.004E-003	3.529E-003	3.242E-003	2.998E-003
2.807E-003	2.646E-003	2.519E-003	2.522E-003	2.506E-003	2.447E-003
2.479E-003	2.400E-003	2.350E-003	2.347E-003	2.362E-003	2.401E-003
2.329E-003	2.378E-003	2.447E-003			

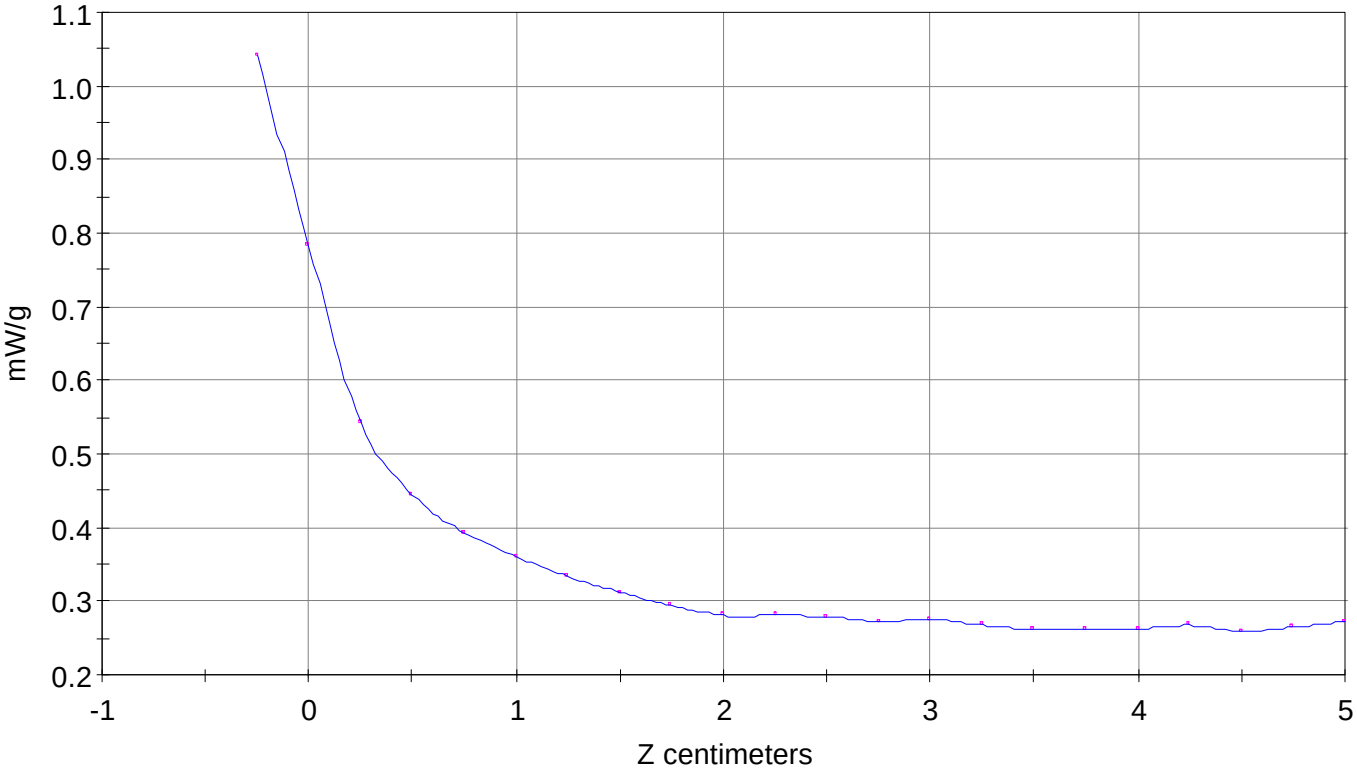
Calc. Voltage @ Surface (Vs) = 0.0094

Voltage @ 1.00 cm (Vt) = 0.0035

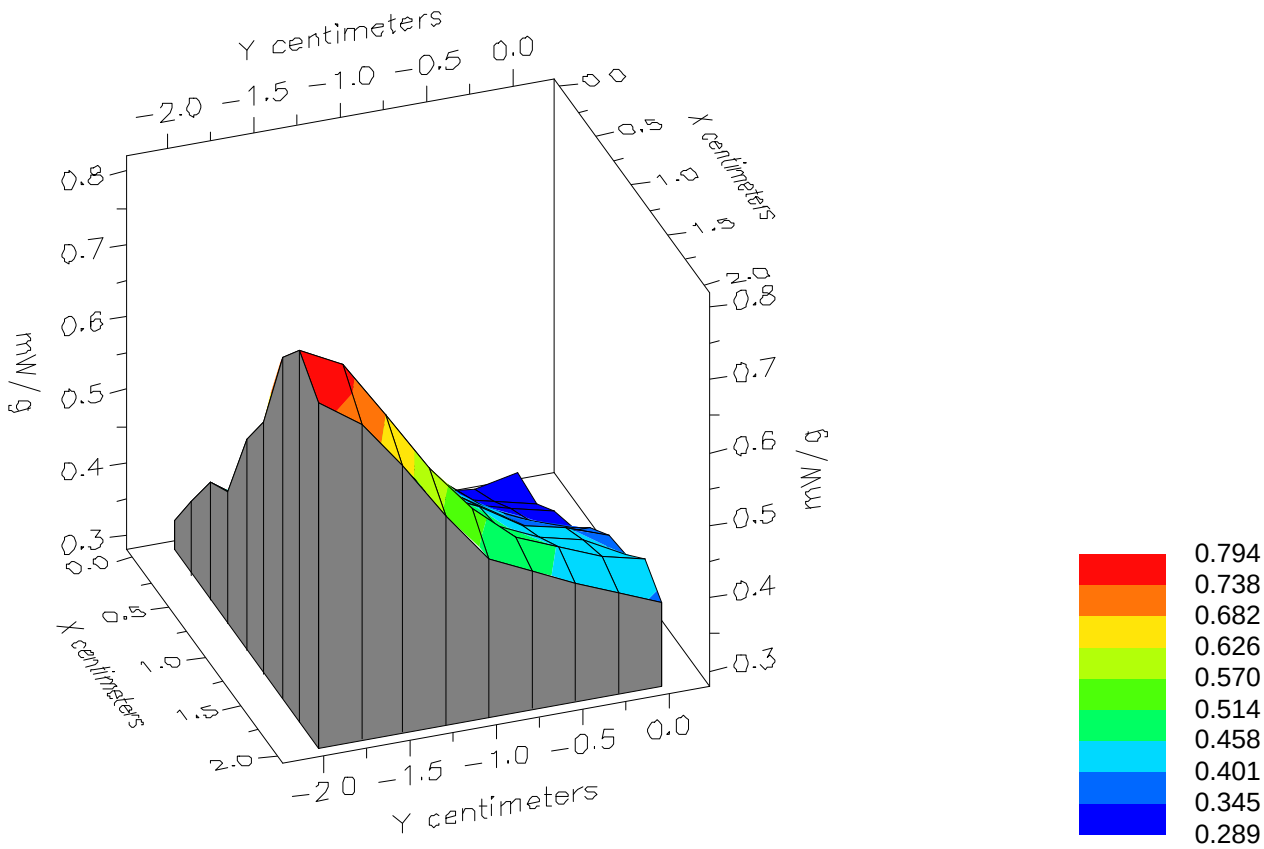
Ave. Voltage (Vs+Vt)/2 = 0.0064

Ave. SAR over 1 g (mW/g) = 0.7166

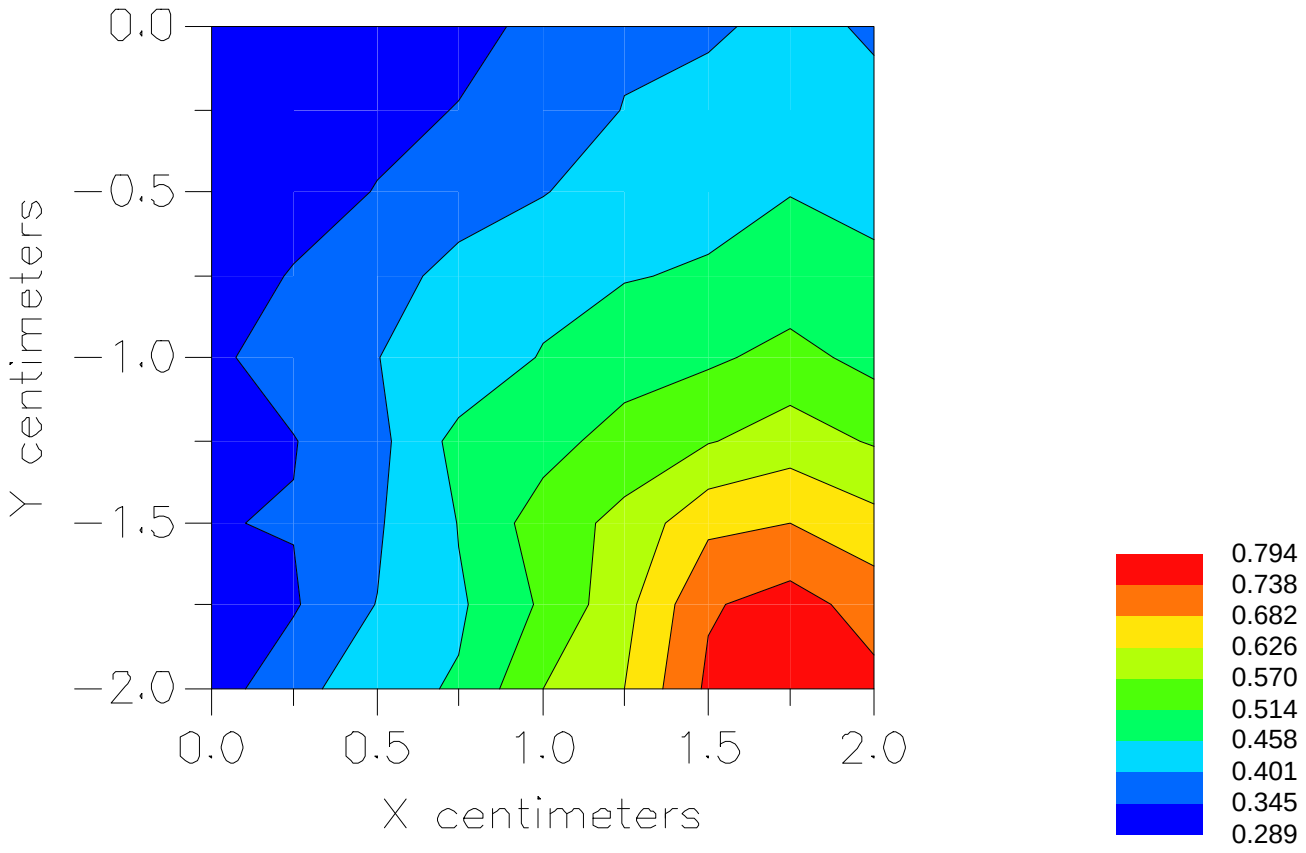
SAR Scan
File : 01042405_ZOOM
Start : 24-Apr-101 10:53:00 am End : 24-Apr-101 11:02:08 am
SAMSUNG/SPH-A330/2;1851.25MHz;W;Helical/Out;
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/40.400/1.820



File : 01042405_ZOOM
Start : 24-Apr-101 10:53:00 am End : 24-Apr-101 11:02:08 am
SAMSUNG/SPH-A330/2;1851.25MHz;W;Helical/Out;
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/40.400/1.820



File : 01042405_ZOOM
Start : 24-Apr-101 10:53:00 am End : 24-Apr-101 11:02:08 am
SAMSUNG/SPH-A330/2;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/01042320_ZOOM.VLT
Start : 23-Apr-101 05:18:42 pm End : 23-Apr-101 05:29:38 pm

Radio Type : SAMSUNG
Model Number : SPH-A330
Serial Number : 2
Frequency : 1880.00 MHz
Peak Trans. Pwr : 0.280 W
Start Trans. Pwr: 0.280 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 24.5 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 = 1.750, Y = -1.750, Z = 0.000 (cm) Value = 10.528

Measured Values (volts) =

9.447E-003	6.637E-003	4.848E-003	3.596E-003	2.774E-003	2.178E-003
1.715E-003	1.337E-003	1.031E-003	8.382E-004	6.882E-004	5.277E-004
4.819E-004	4.044E-004	2.756E-004	1.958E-004	1.578E-004	1.405E-004
7.516E-005	4.240E-005	5.172E-005			

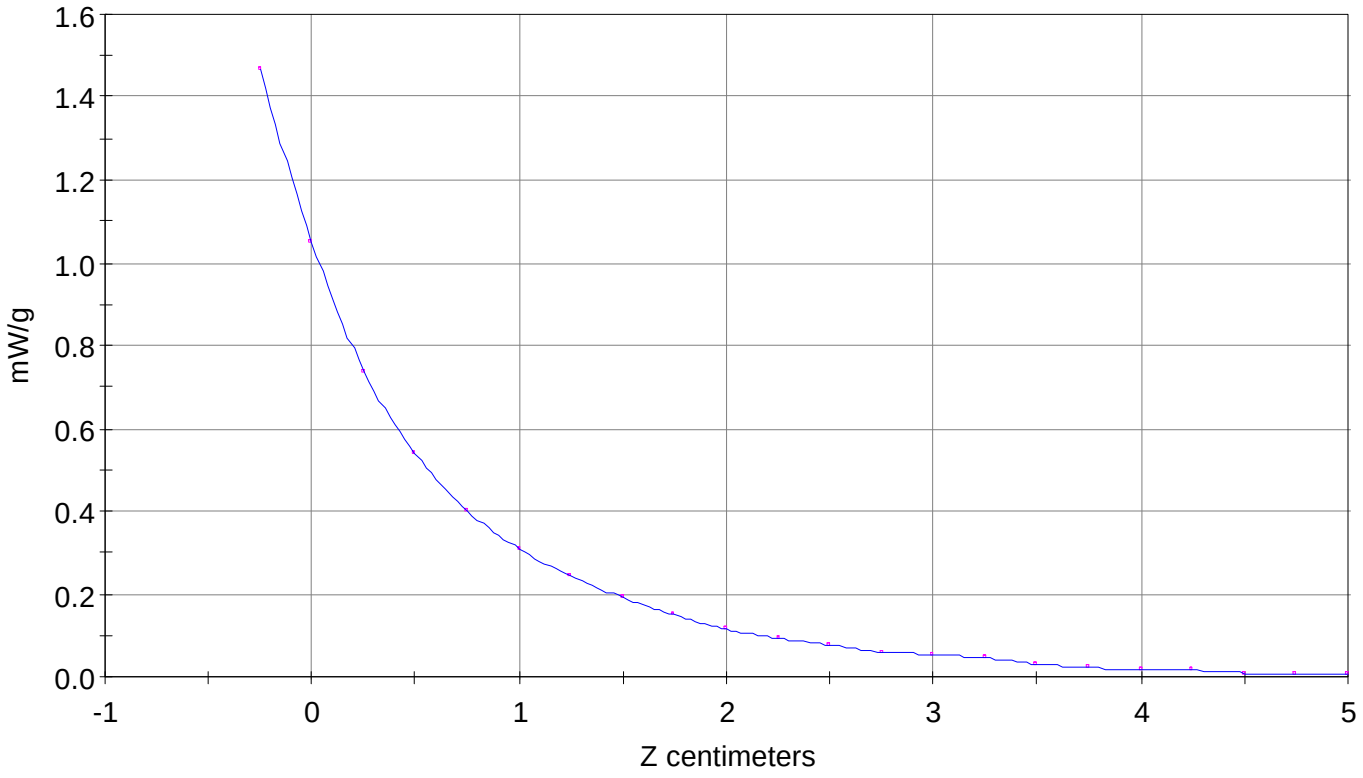
Calc. Voltage @ Surface (Vs) = 0.0132

Voltage @ 1.00 cm (Vt) = 0.0036

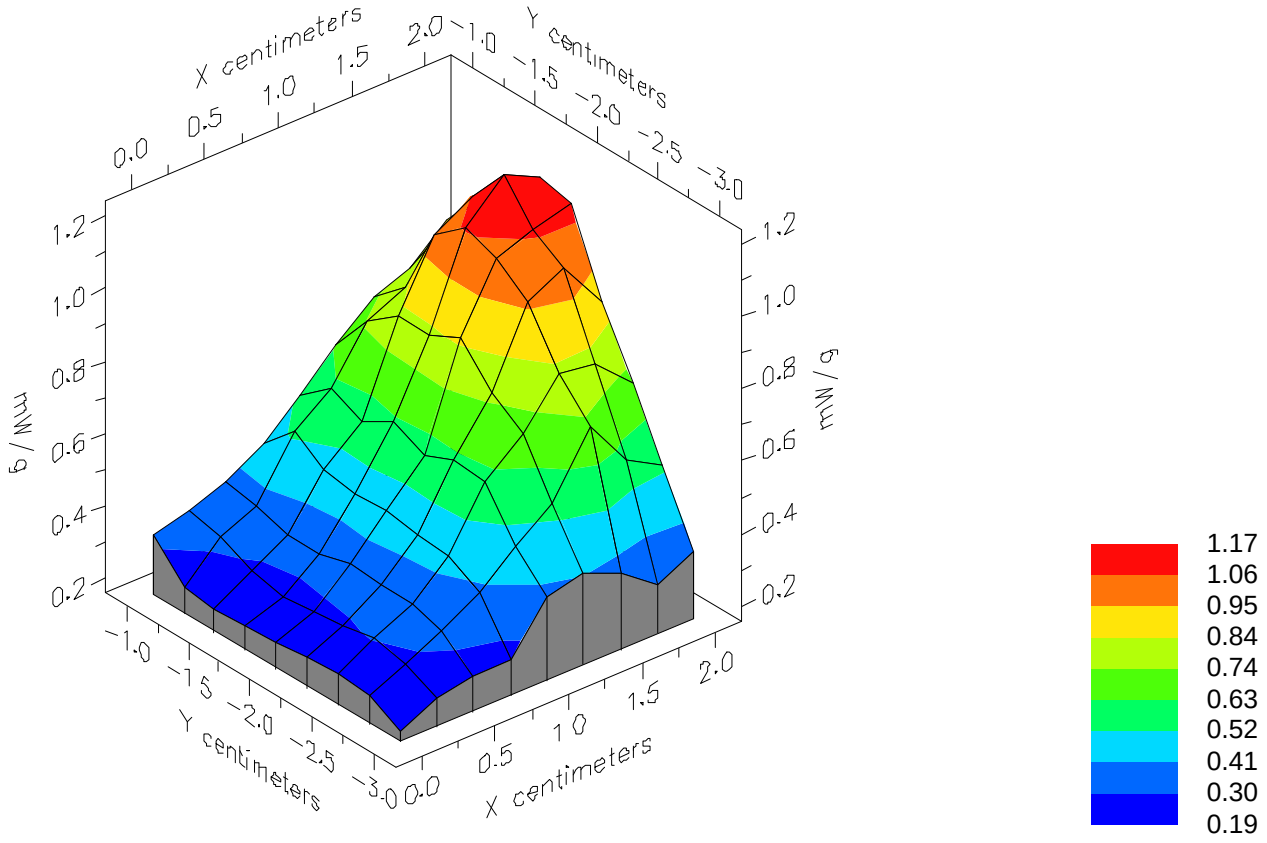
Ave. Voltage (Vs+Vt)/2 = 0.0084

Ave. SAR over 1 g (mW/g) = 0.9334

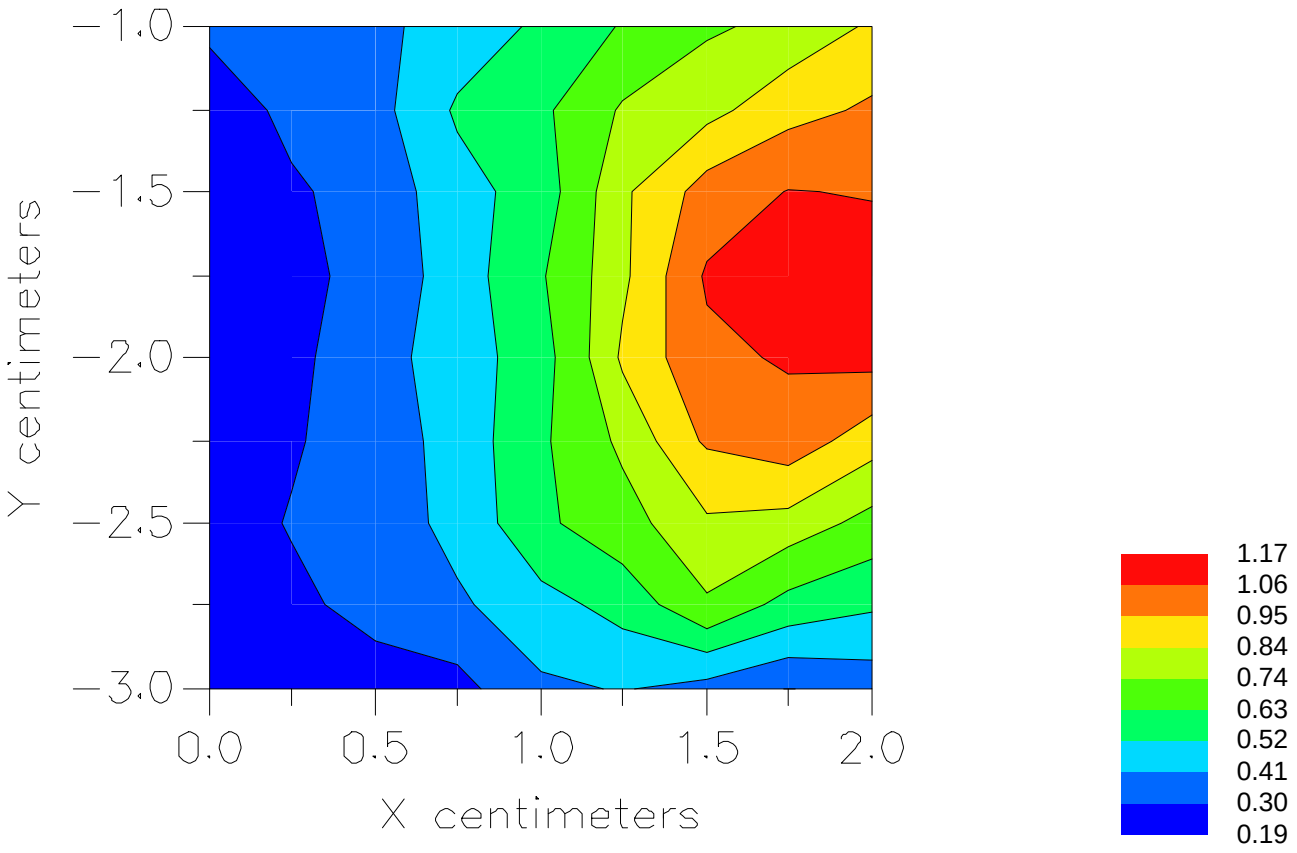
SAR Scan
File : 01042320_ZOOM
Start : 23-Apr-101 05:18:42 pm End : 23-Apr-101 05:29:38 pm
SAMSUNG/SPH-A330/2;1880.00MHz;W;Helical/In;
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/40.400/1.820



File : 01042320_ZOOM
Start : 23-Apr-101 05:18:42 pm End : 23-Apr-101 05:29:38 pm
SAMSUNG/SPH-A330/2;1880.00MHz;W;Helical/In;
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/40.400/1.820



File : 01042320_ZOOM
Start : 23-Apr-101 05:18:42 pm End : 23-Apr-101 05:29:38 pm
SAMSUNG/SPH-A330/2;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/01042322_ZOOM.VLT
Start : 23-Apr-101 05:32:14 pm End : 23-Apr-101 05:43:28 pm

Radio Type : SAMSUNG
Model Number : SPH-A330
Serial Number : 2
Frequency : 1880.00 MHz
Peak Trans. Pwr : 0.280 W
Start Trans. Pwr: 0.280 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 24.5 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 = 2.000, Y = -1.750, Z = 0.000 (cm) Value = 7.829

Measured Values (volts) =

7.719E-003	3.676E-003	2.435E-003	1.880E-003	1.442E-003	1.087E-003
9.125E-004	7.042E-004	5.306E-004	3.756E-004	3.249E-004	3.081E-004
1.845E-004	1.717E-004	1.160E-004	7.971E-005	7.010E-005	1.006E-004
5.565E-005	5.138E-005	6.633E-005			

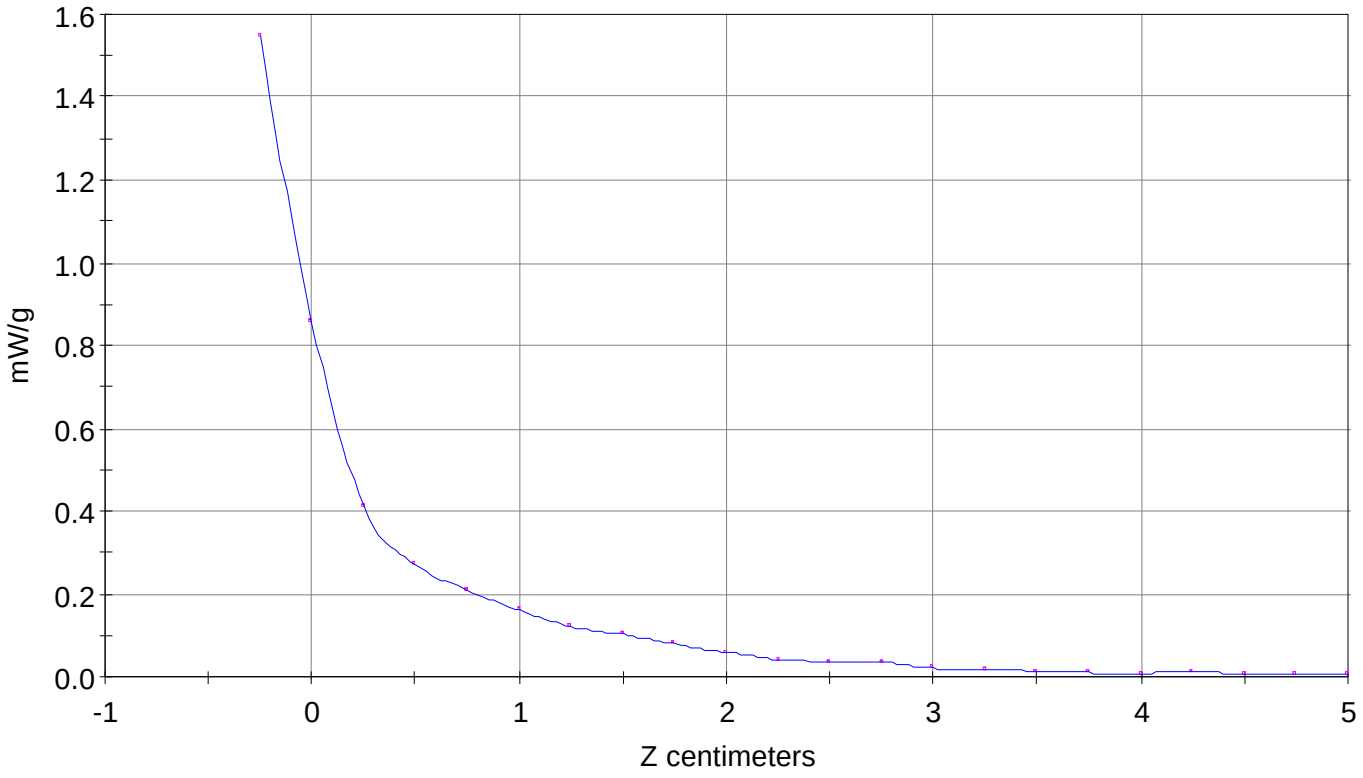
Calc. Voltage @ Surface (Vs) = 0.0139

Voltage @ 1.00 cm (Vt) = 0.0019

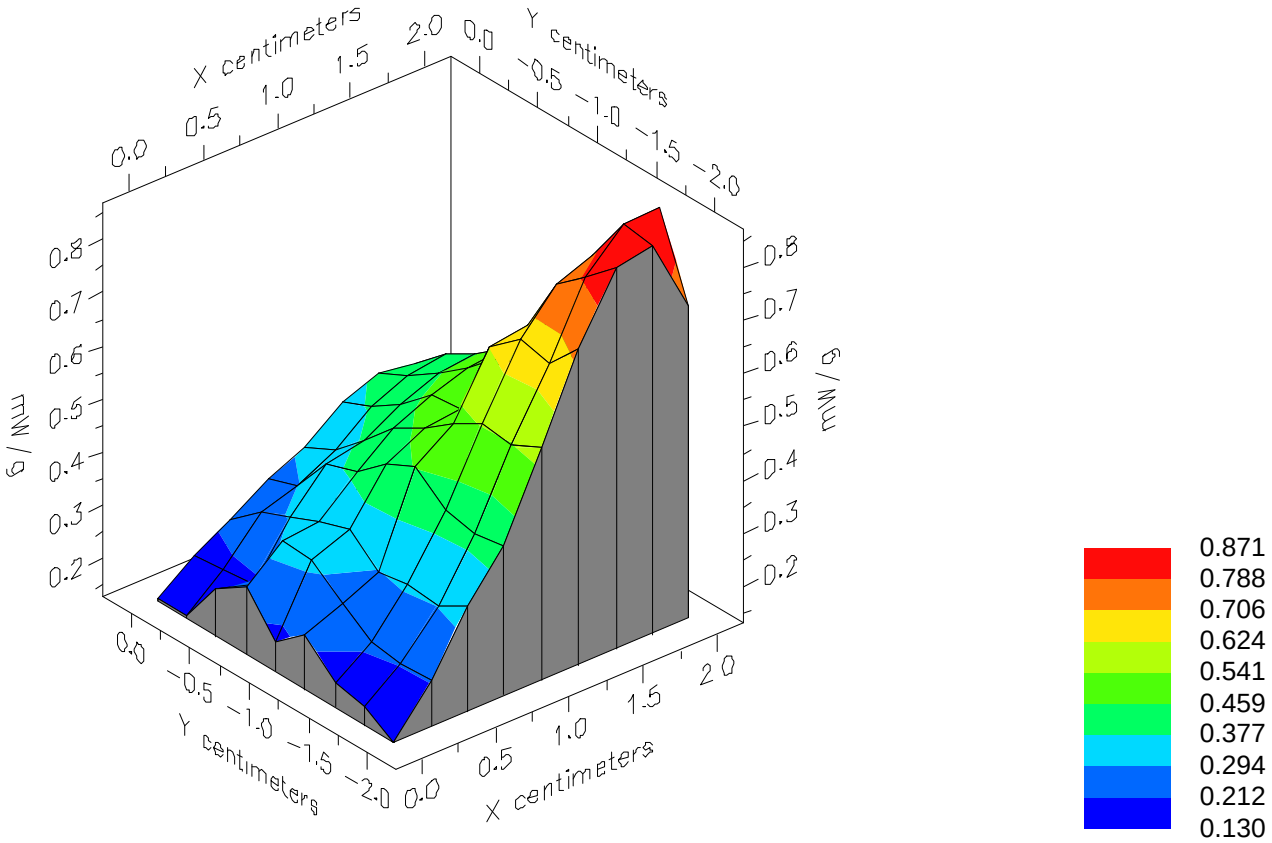
Ave. Voltage (Vs+Vt)/2 = 0.0079

Ave. SAR over 1 g (mW/g) = 0.8790

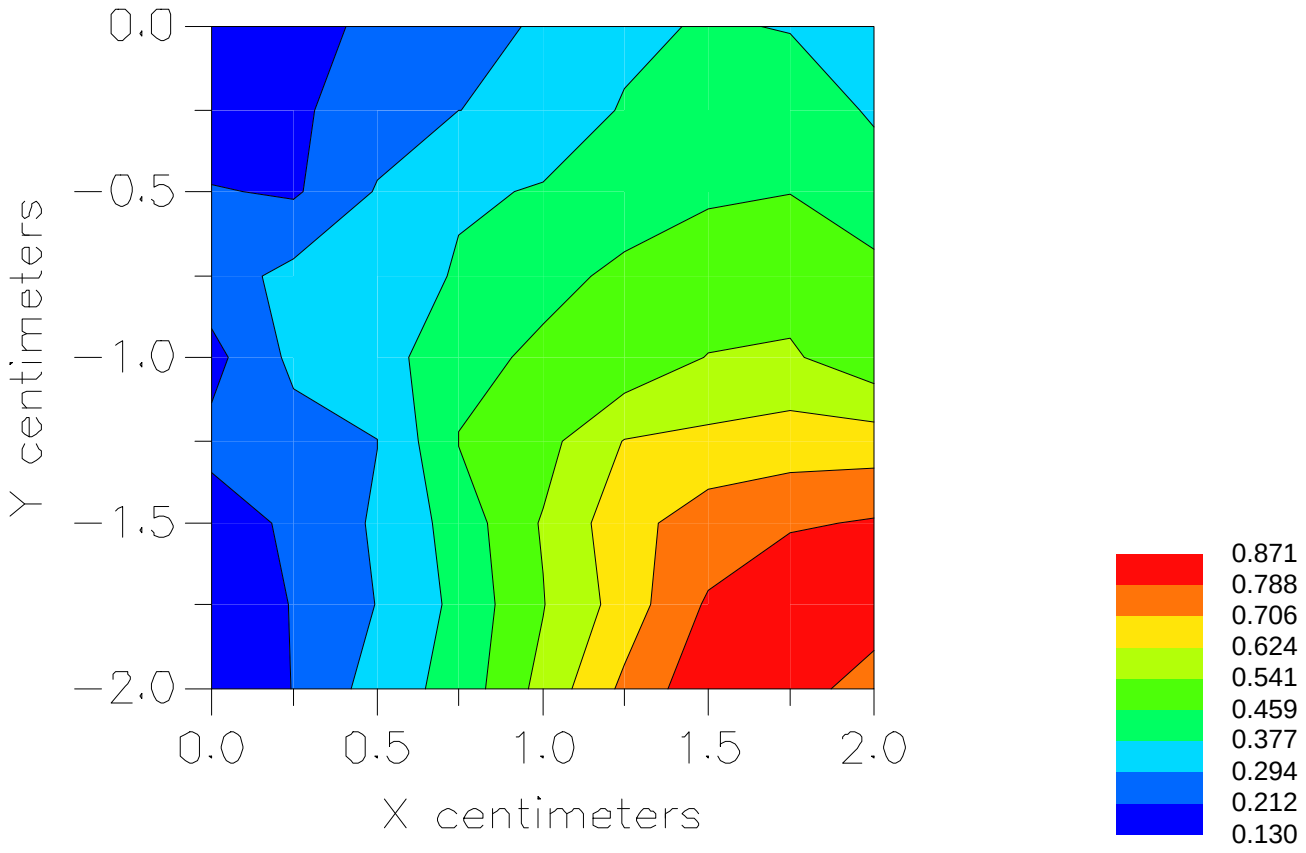
SAR Scan
File : 01042322_ZOOM
Start : 23-Apr-101 05:32:14 pm End : 23-Apr-101 05:43:28 pm
SAMSUNG/SPH-A330/2;1880.00MHz;W;Helical/Out;
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/40.400/1.820



File : 01042322_ZOOM
Start : 23-Apr-101 05:32:14 pm End : 23-Apr-101 05:43:28 pm
SAMSUNG/SPH-A330/2;1880.00MHz;W;Helical/Out;
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/40.400/1.820



File : 01042322_ZOOM
Start : 23-Apr-101 05:32:14 pm End : 23-Apr-101 05:43:28 pm
SAMSUNG/SPH-A330/2;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/01042407_ZOOM.VLT
Start : 24-Apr-101 11:05:20 am End : 24-Apr-101 11:16:24 am

Radio Type : SAMSUNG
Model Number : SPH-A330
Serial Number : 2
Frequency : 1908.75 MHz
Peak Trans. Pwr : 0.280 W
Start Trans. Pwr: 0.280 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 24.5 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 = 1.750, Y = -1.750, Z = 0.000 (cm) Value = 10.346

Measured Values (volts) =

1.015E-002	6.868E-003	5.518E-003	4.624E-003	3.920E-003	3.504E-003
3.189E-003	2.953E-003	2.757E-003	2.630E-003	2.884E-003	2.977E-003
2.899E-003	2.805E-003	2.834E-003	2.749E-003	2.753E-003	2.800E-003
2.822E-003	2.849E-003	2.885E-003			

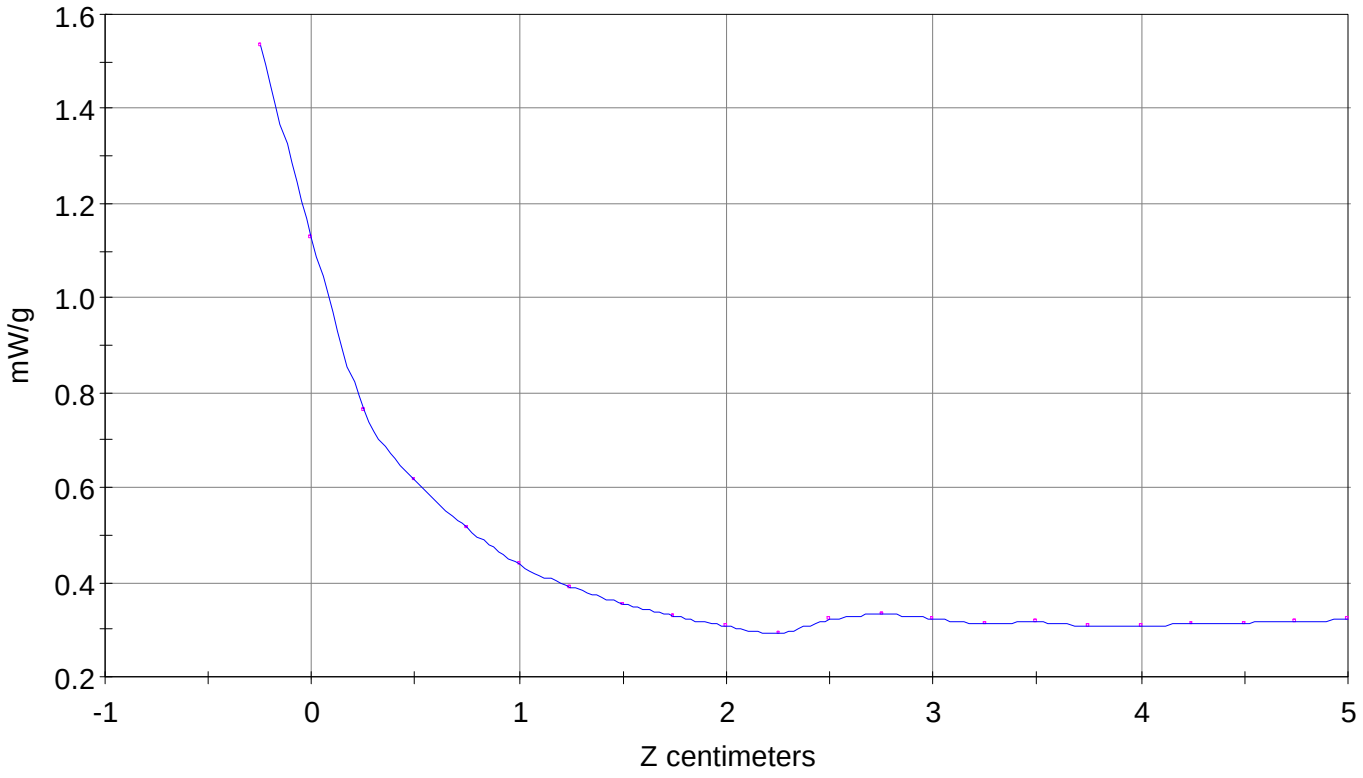
Calc. Voltage @ Surface (Vs) = 0.0138

Voltage @ 1.00 cm (Vt) = 0.0046

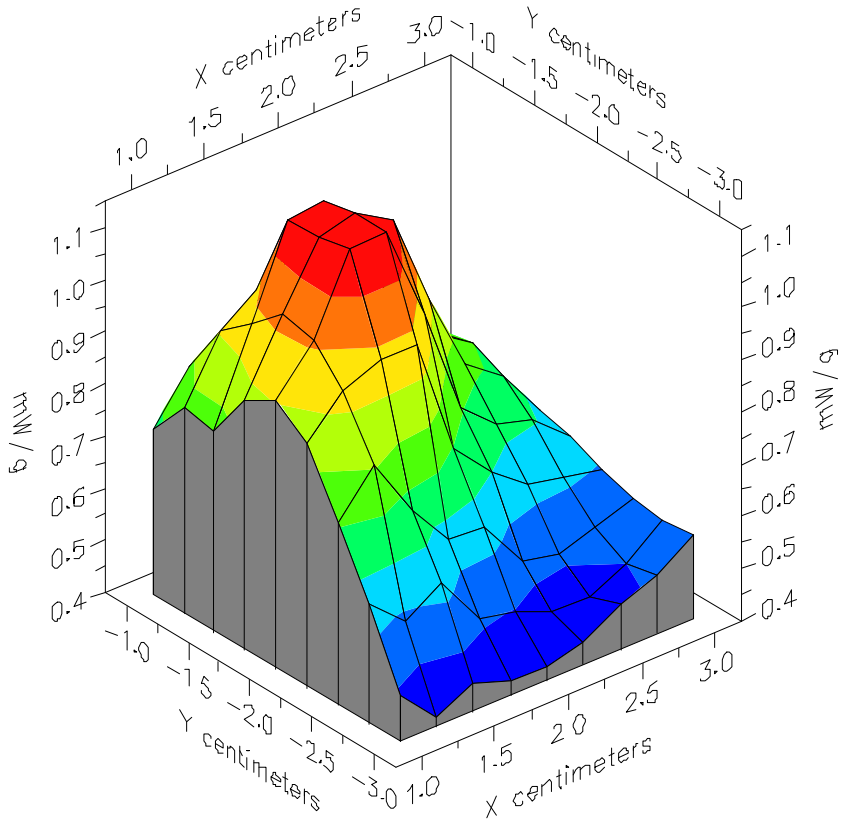
Ave. Voltage (Vs+Vt)/2 = 0.0092

Ave. SAR over 1 g (mW/g) = 1.0251

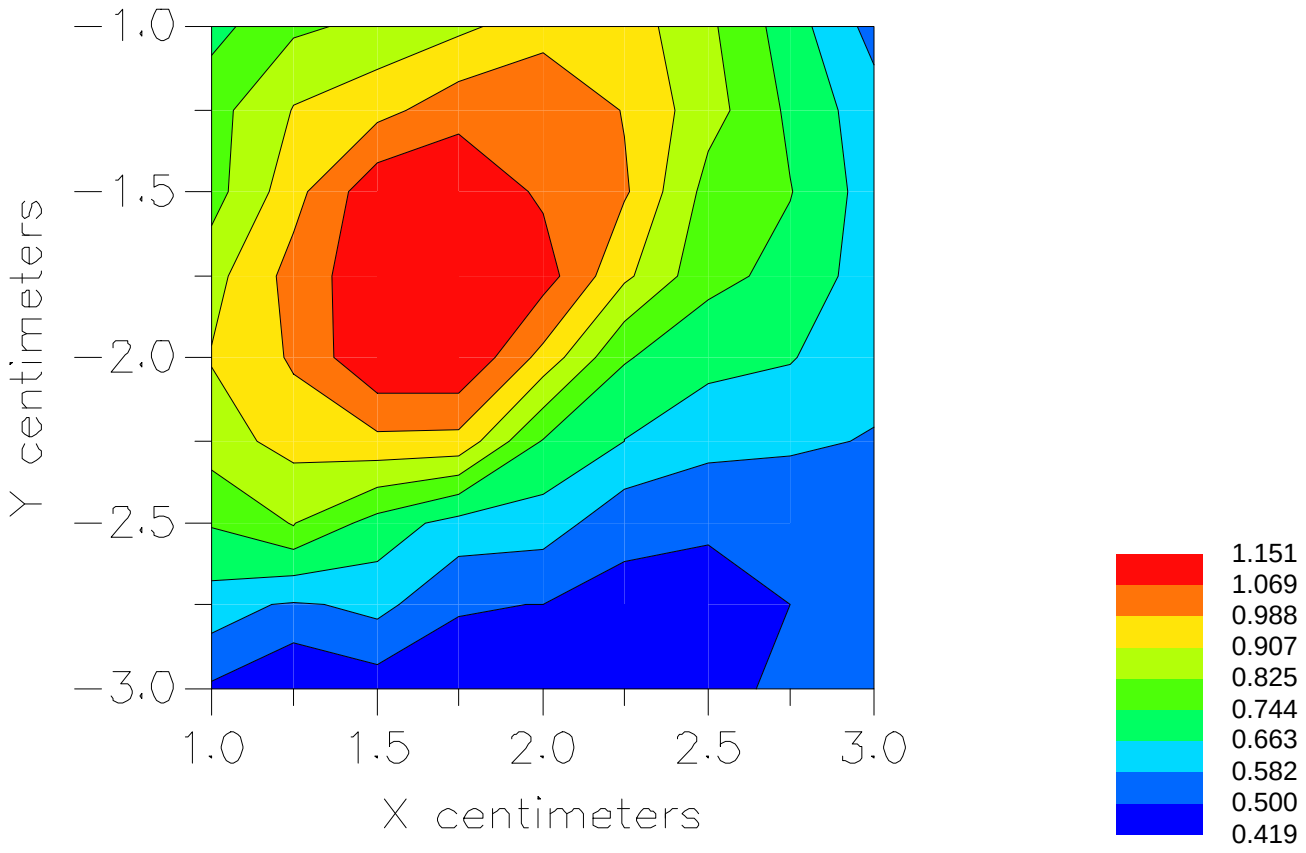
SAR Scan
File : 01042407_ZOOM
Start : 24-Apr-101 11:05:20 am End : 24-Apr-101 11:16:24 am
SAMSUNG/SPH-A330/2;1908.75MHz;W;Helical/In;
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/40.400/1.820



File : 01042407_ZOOM
Start : 24-Apr-101 11:05:20 am End : 24-Apr-101 11:16:24 am
SAMSUNG/SPH-A330/2;1908.75MHz;W;Helical/In;
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/40.400/1.820



File : 01042407_ZOOM
Start : 24-Apr-101 11:05:20 am End : 24-Apr-101 11:16:24 am
SAMSUNG/SPH-A330/2;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/01042409_ZOOM.VLT
Start : 24-Apr-101 11:24:25 am End : 24-Apr-101 11:33:44 am

Radio Type : SAMSUNG
Model Number : SPH-A330
Serial Number : 2
Frequency : 1908.75 MHz
Peak Trans. Pwr : 0.280 W
Start Trans. Pwr: 0.280 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 24.5 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 = 1.750, Y = -2.000, Z = 0.000 (cm) Value = 7.757

Measured Values (volts) =

5.922E-003	3.551E-003	2.545E-003	1.959E-003	1.602E-003	1.311E-003
1.043E-003	8.836E-004	7.907E-004	6.993E-004	6.323E-004	5.381E-004
5.085E-004	4.702E-004	4.246E-004	3.745E-004	4.048E-004	3.927E-004
3.762E-004	3.801E-004	3.146E-004			

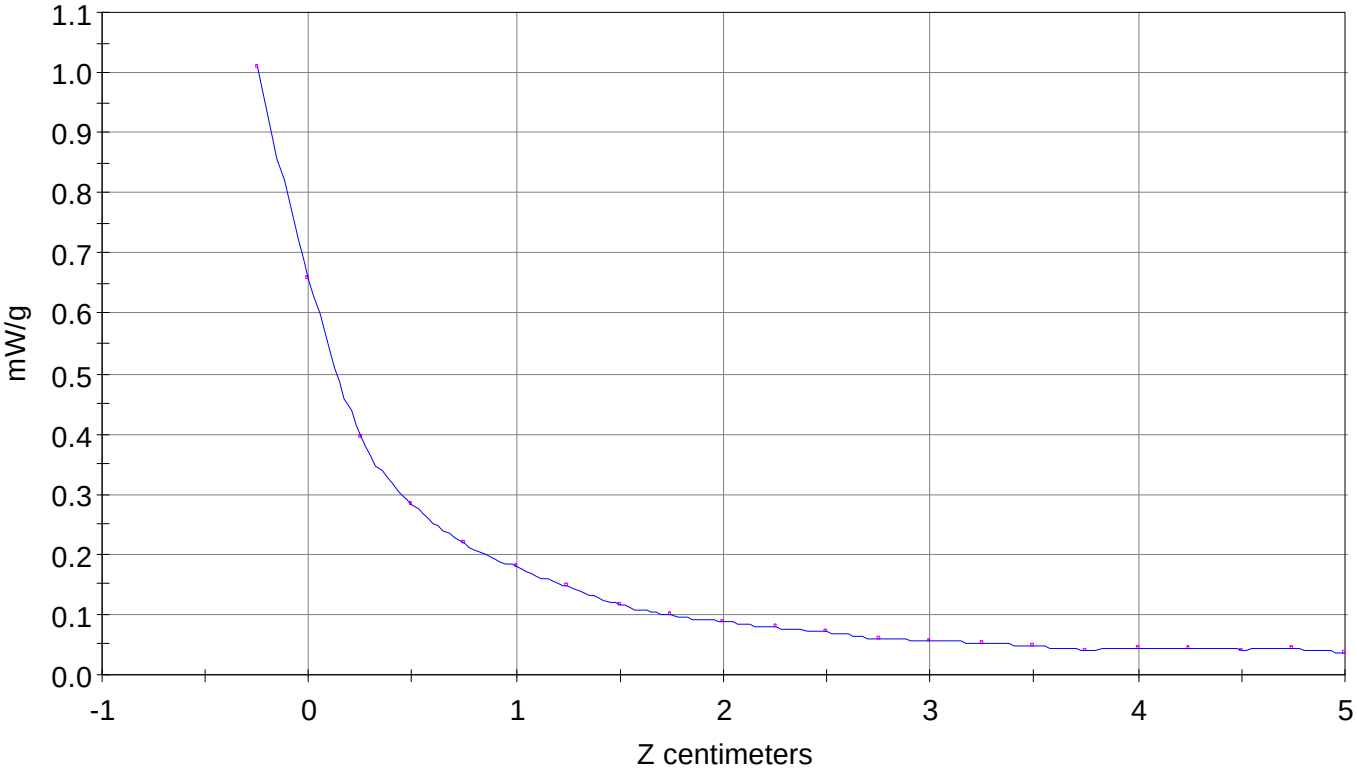
Calc. Voltage @ Surface (Vs) = 0.0091

Voltage @ 1.00 cm (Vt) = 0.0020

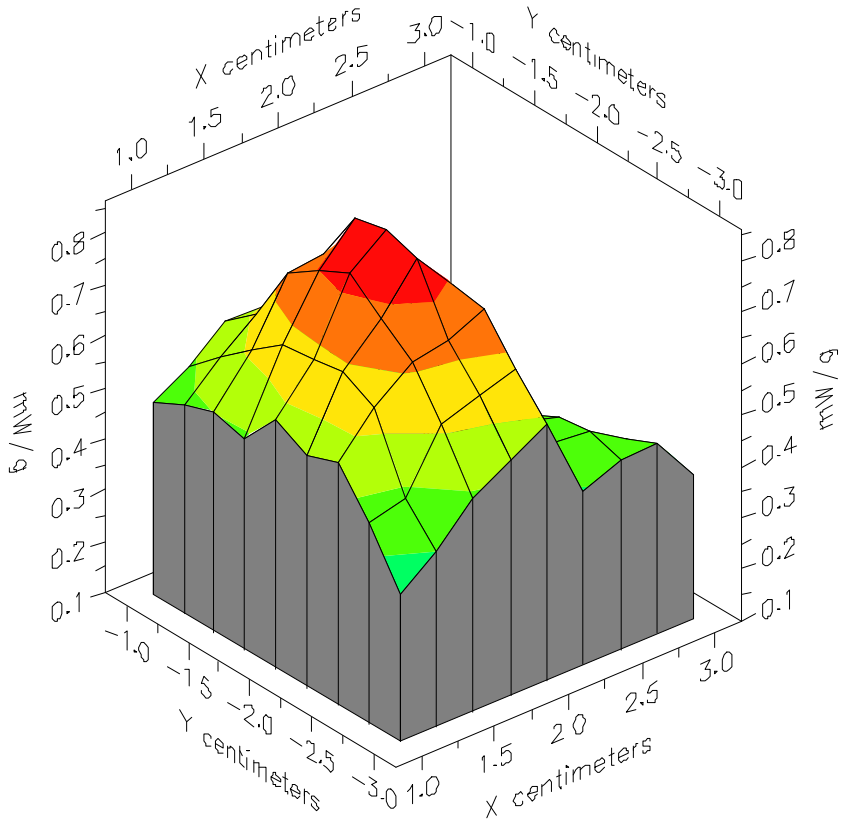
Ave. Voltage (Vs+Vt)/2 = 0.0055

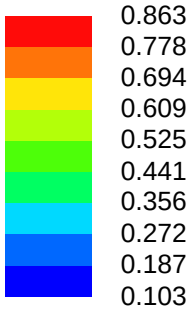
Ave. SAR over 1 g (mW/g) = 0.6133

SAR Scan
File : 01042409_ZOOM
Start : 24-Apr-101 11:24:25 am End : 24-Apr-101 11:33:44 am
SAMSUNG/SPH-A330/2;1908.75MHz;W;Helical/Out;
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/40.400/1.820

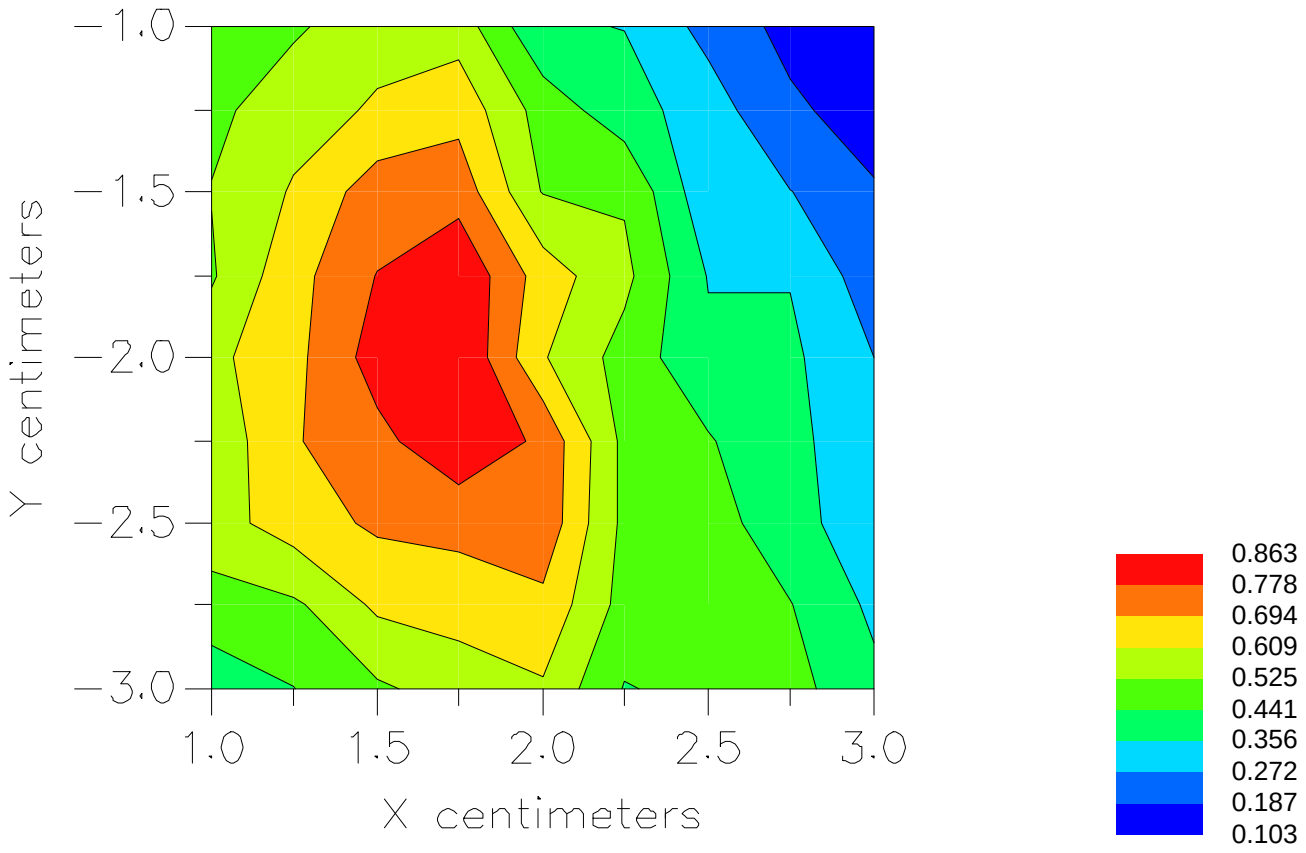


File : 01042409_ZOOM
Start : 24-Apr-101 11:24:25 am End : 24-Apr-101 11:33:44 am
SAMSUNG/SPH-A330/2;1908.75MHz;W;Helical/Out;
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/40.400/1.820



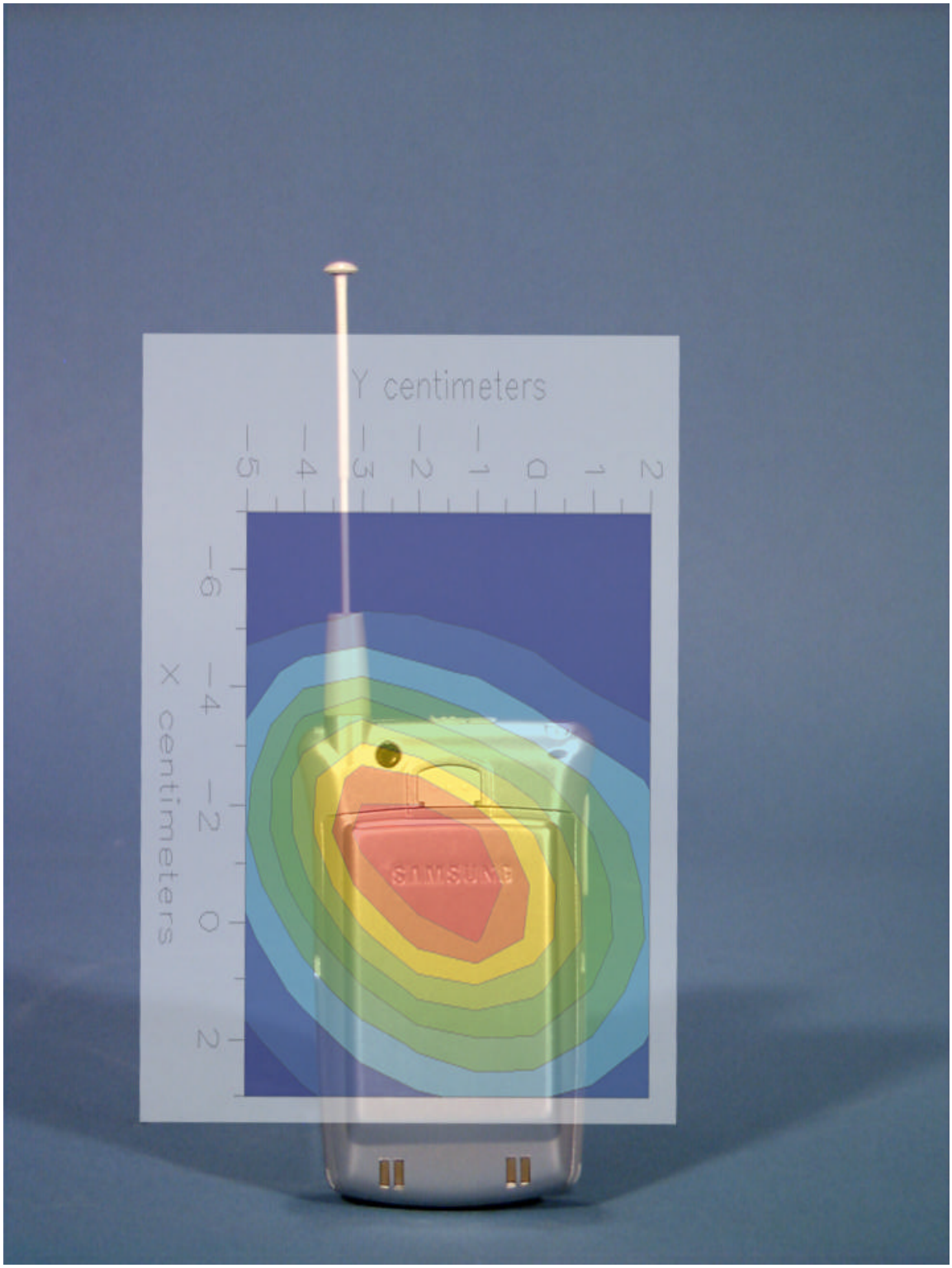


File : 01042409_ZOOM
Start : 24-Apr-101 11:24:25 am End : 24-Apr-101 11:33:44 am
SAMSUNG/SPH-A330/2;1908.75MHz;W;Helical/Out;
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/40.400/1.820



Peak SAR Location

800 MHz Body SAR



File : c:/idx3/SYSTEM/SARMEAS3/data/Normal/01042415_ZOOM.VLT
Start : 24-Apr-101 03:07:55 pm End : 24-Apr-101 03:16:31 pm

Radio Type : SAMSUNG
Model Number : SPH-A330
Serial Number : 2
Frequency : 824.04 MHz
Peak Trans. Pwr : 0.400 W
Start Trans. Pwr: 0.400 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 26.0 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 = -1.000, Y = -2.000, Z = 0.000 (cm) Value = 4.284

Measured Values (volts) =

4.266E-003	3.367E-003	2.801E-003	2.340E-003	1.962E-003	1.708E-003
1.549E-003	1.451E-003	1.344E-003	1.282E-003	1.141E-003	9.364E-004
7.213E-004	5.232E-004	3.354E-004	2.393E-004	2.078E-004	2.279E-004
3.393E-004	3.992E-004	4.190E-004			

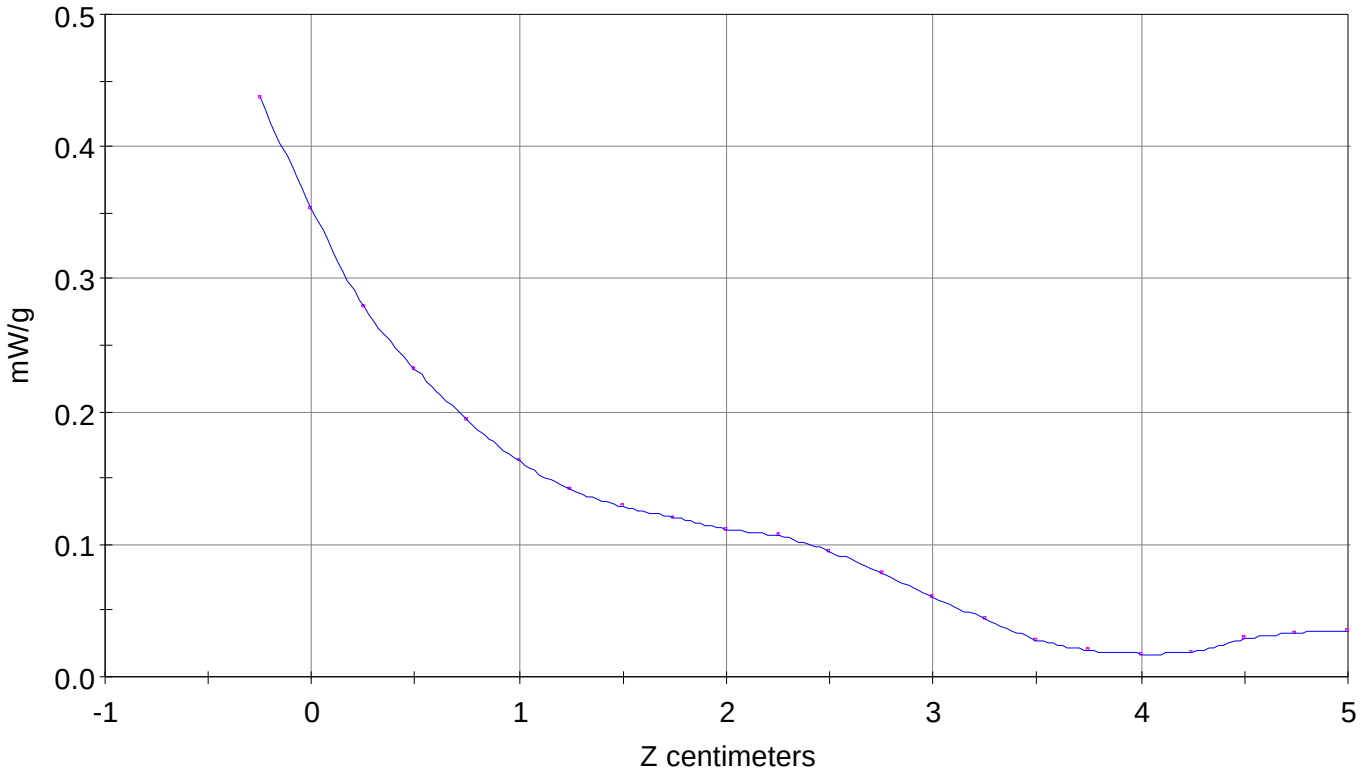
Calc. Voltage @ Surface (Vs) = 0.0053

Voltage @ 1.00 cm (Vt) = 0.0023

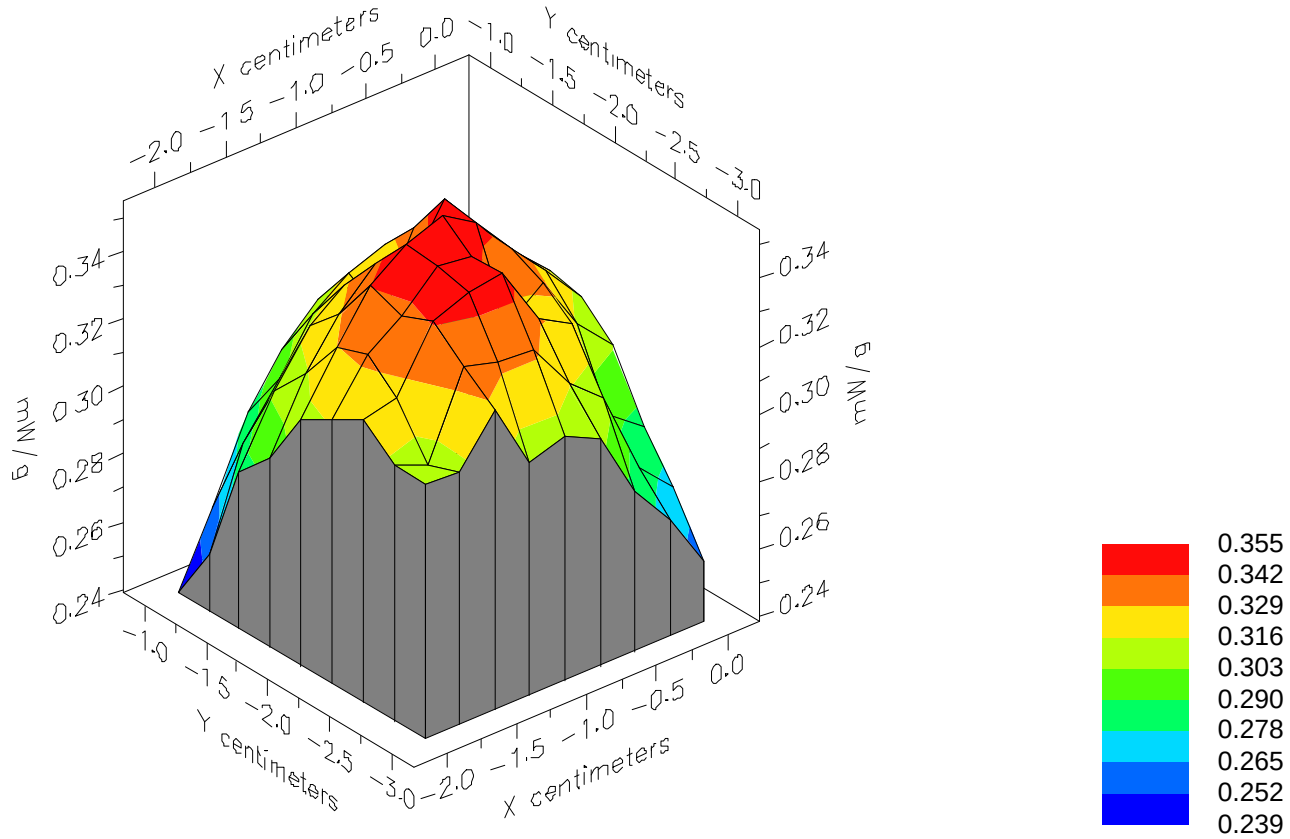
Ave. Voltage (Vs+Vt)/2 = 0.0038

Ave. SAR over 1 g (mW/g) = 0.3149

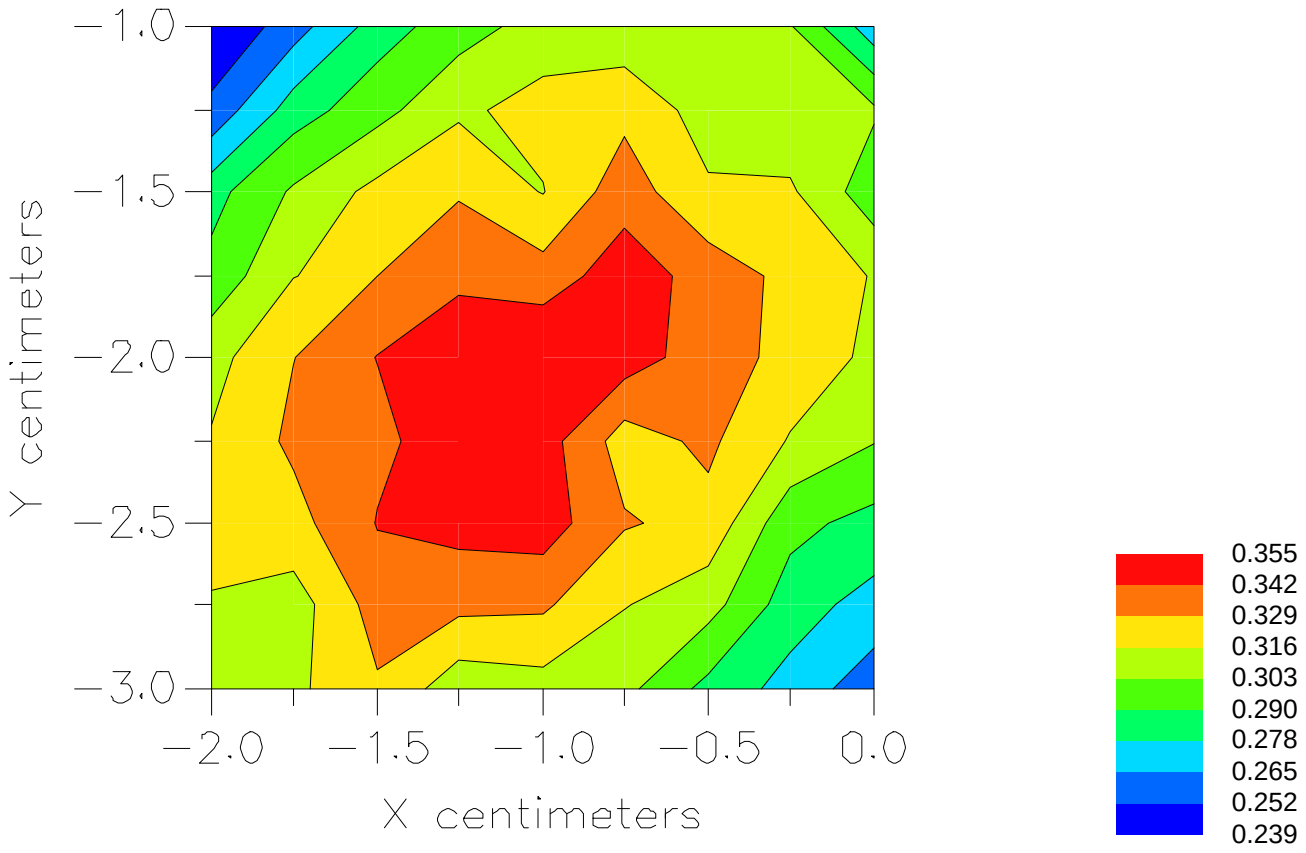
SAR Scan
File : 01042415_ZOOM
Start : 24-Apr-101 03:07:55 pm End : 24-Apr-101 03:16:31 pm
SAMSUNG/SPH-A330/2;824.04MHz;W;Helical/In;
Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 DegreesMuscle/51.700/1.100



File : 01042415_ZOOM
Start : 24-Apr-101 03:07:55 pm End : 24-Apr-101 03:16:31 pm
SAMSUNG/SPH-A330/2;824.04MHz;W;Helical/In;
Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 DegreesMuscle/51.700/1.100



File : 01042415_ZOOM
Start : 24-Apr-101 03:07:55 pm End : 24-Apr-101 03:16:31 pm
SAMSUNG/SPH-A330/2;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/01042413_ZOOM.VLT
Start : 24-Apr-101 02:35:43 pm End : 24-Apr-101 02:46:17 pm

Radio Type : SAMSUNG
Model Number : SPH-A330
Serial Number : 2
Frequency : 824.04 MHz
Peak Trans. Pwr : 0.400 W
Start Trans. Pwr: 0.400 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 26.0 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 = -1.500, Y = -2.000, Z = 0.000 (cm) Value = 6.051

Measured Values (volts) =

5.048E-003	4.027E-003	3.233E-003	2.691E-003	2.263E-003	2.010E-003
1.838E-003	1.729E-003	1.650E-003	1.492E-003	1.323E-003	1.076E-003
7.786E-004	5.141E-004	3.743E-004	2.523E-004	2.715E-004	3.539E-004
5.103E-004	5.227E-004	5.370E-004			

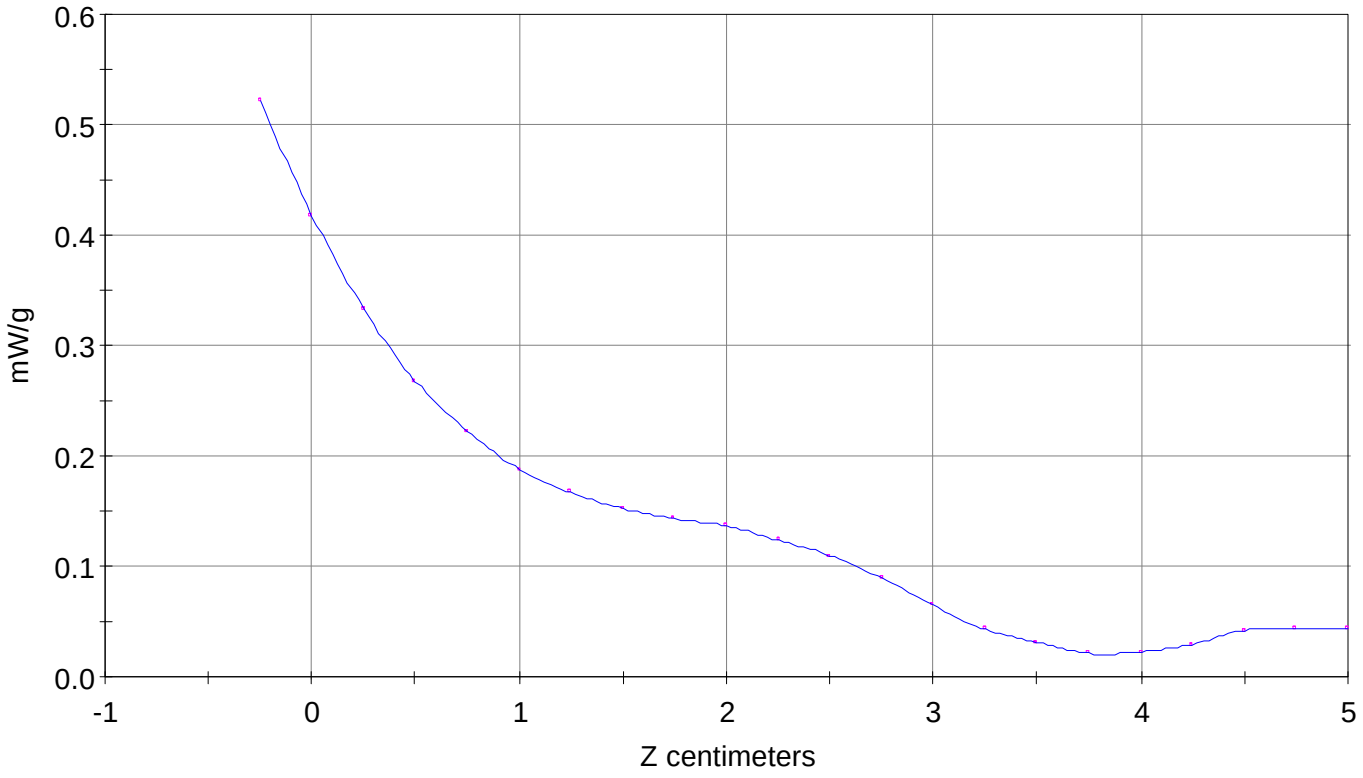
Calc. Voltage @ Surface (Vs) = 0.0063

Voltage @ 1.00 cm (Vt) = 0.0027

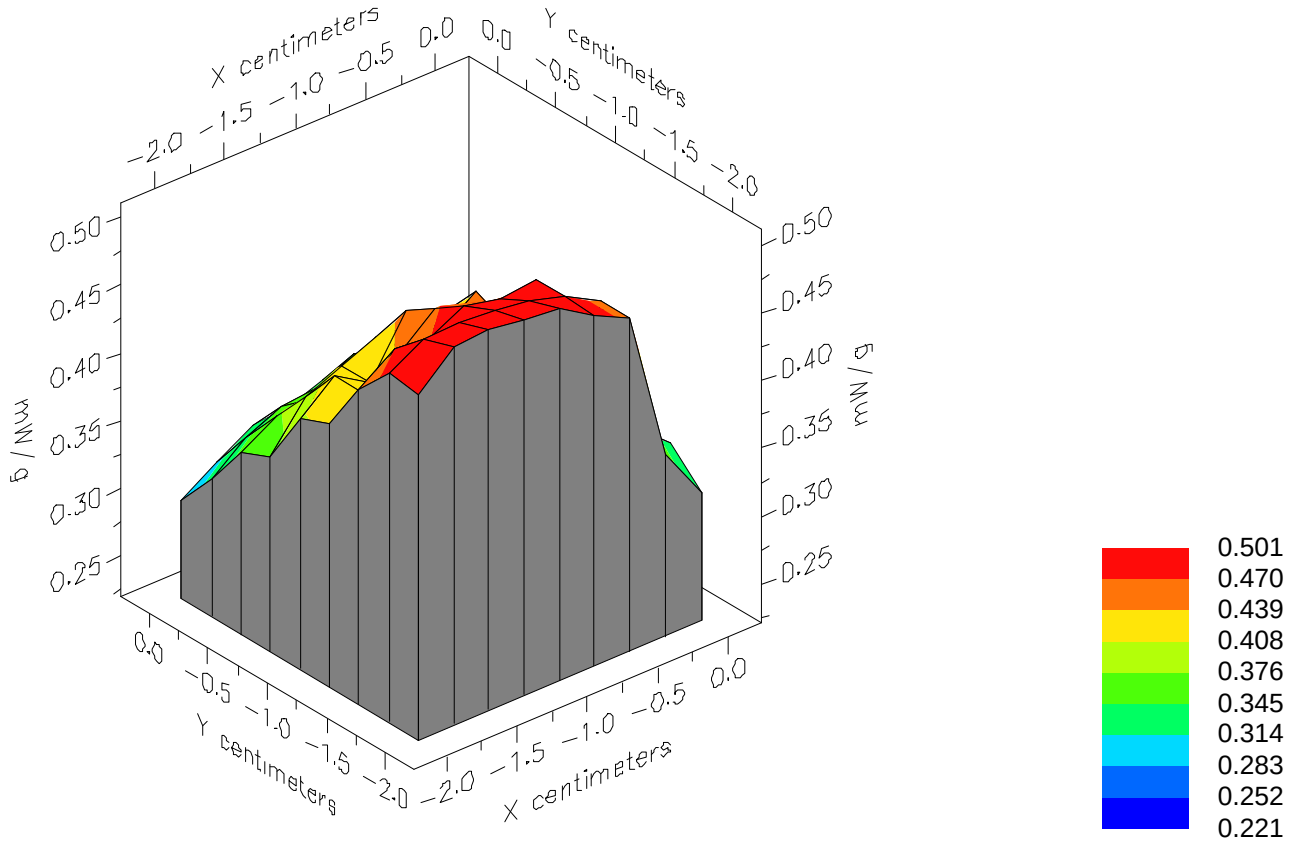
Ave. Voltage (Vs+Vt)/2 = 0.0045

Ave. SAR over 1 g (mW/g) = 0.3724

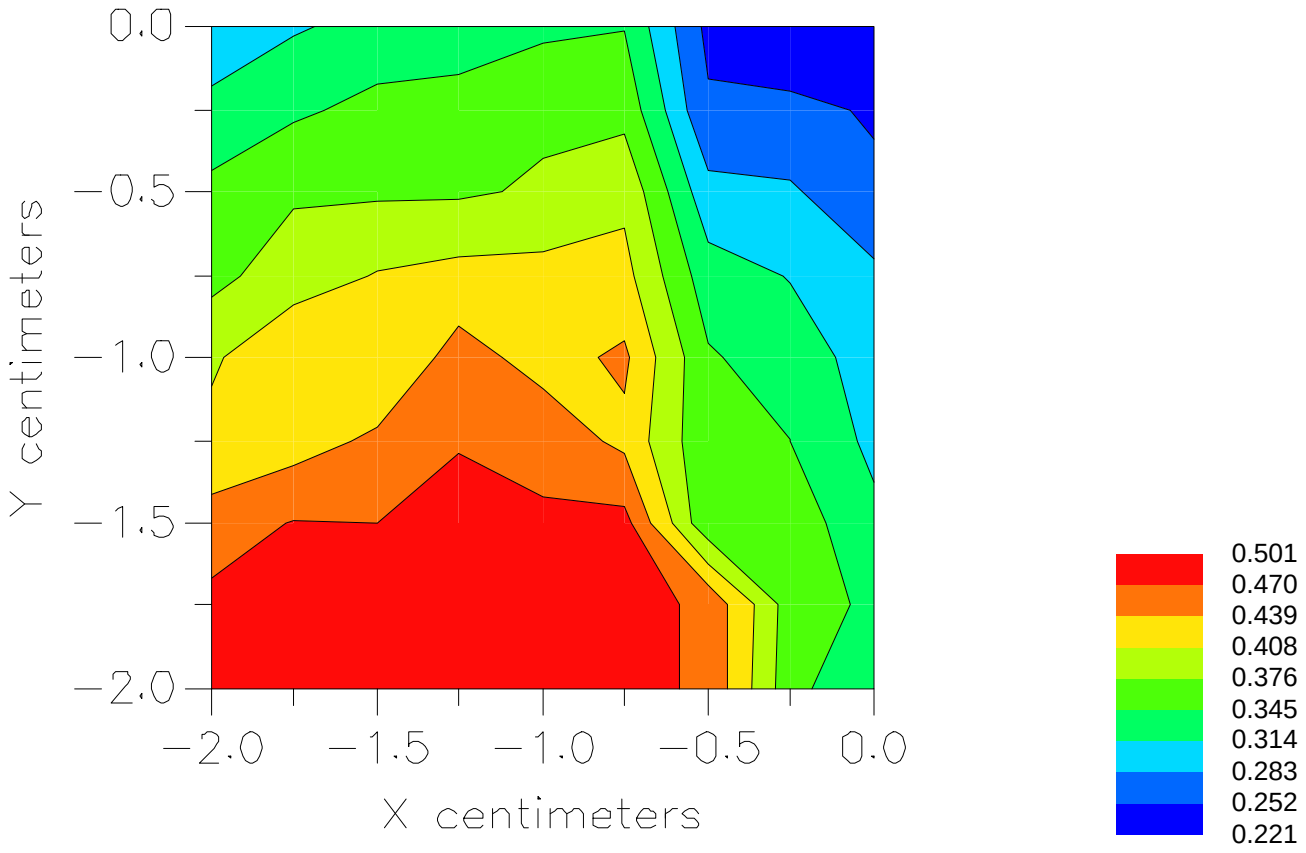
SAR Scan
File : 01042413_ZOOM
Start : 24-Apr-101 02:35:43 pm End : 24-Apr-101 02:46:17 pm
SAMSUNG/SPH-A330/2;824.04MHz;W;Helical/Out;
Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 DegreesMuscle/51.700/1.100



File : 01042413_ZOOM
Start : 24-Apr-101 02:35:43 pm End : 24-Apr-101 02:46:17 pm
SAMSUNG/SPH-A330/2;824.04MHz;W;Helical/Out;
Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 DegreesMuscle/51.700/1.100



File : 01042413_ZOOM
Start : 24-Apr-101 02:35:43 pm End : 24-Apr-101 02:46:17 pm
SAMSUNG/SPH-A330/2;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/01042412_ZOOM.VLT
Start : 24-Apr-101 01:42:36 pm End : 24-Apr-101 01:50:03 pm

Radio Type : SAMSUNG
Model Number : SPH-A330
Serial Number : 2
Frequency : 836.49 MHz
Peak Trans. Pwr : 0.400 W
Start Trans. Pwr: 0.400 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 26.0 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 = -1.250, Y = -2.000, Z = 0.000 (cm) Value = 5.363

Measured Values (volts) =

4.951E-003	3.992E-003	3.297E-003	2.713E-003	2.328E-003	2.016E-003
1.811E-003	1.669E-003	1.542E-003	1.447E-003	1.302E-003	1.056E-003
7.920E-004	5.973E-004	3.782E-004	2.613E-004	2.576E-004	3.021E-004
3.966E-004	5.163E-004	4.667E-004			

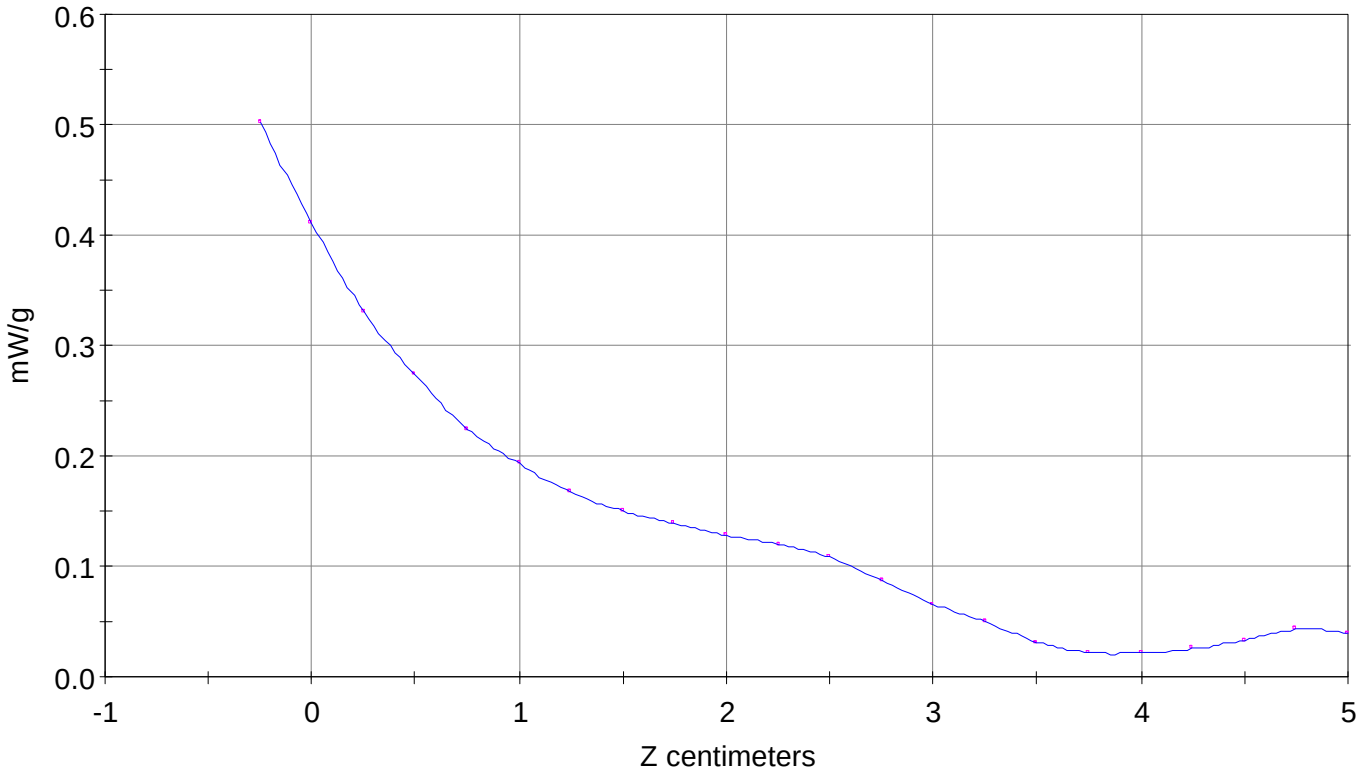
Calc. Voltage @ Surface (Vs) = 0.0061

Voltage @ 1.00 cm (Vt) = 0.0027

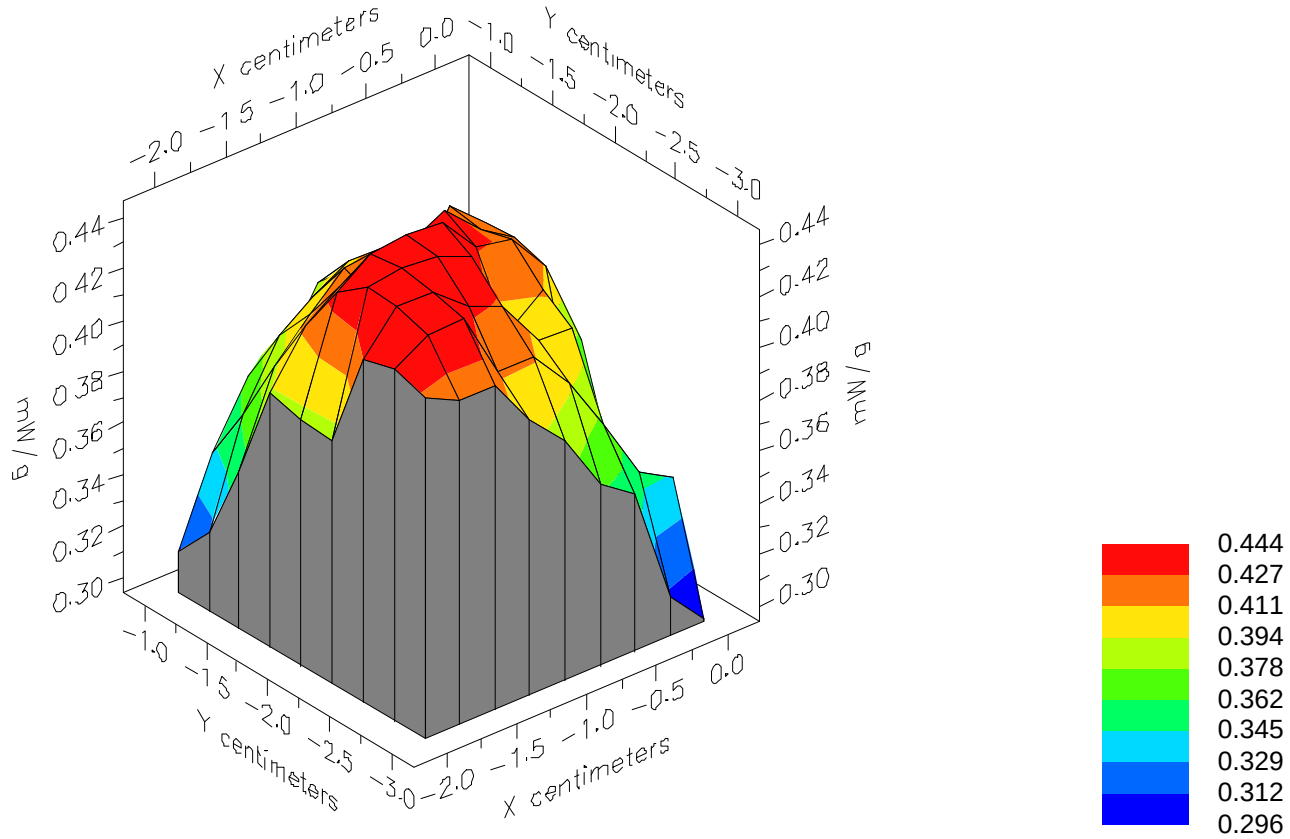
Ave. Voltage (Vs+Vt)/2 = 0.0044

Ave. SAR over 1 g (mW/g) = 0.3634

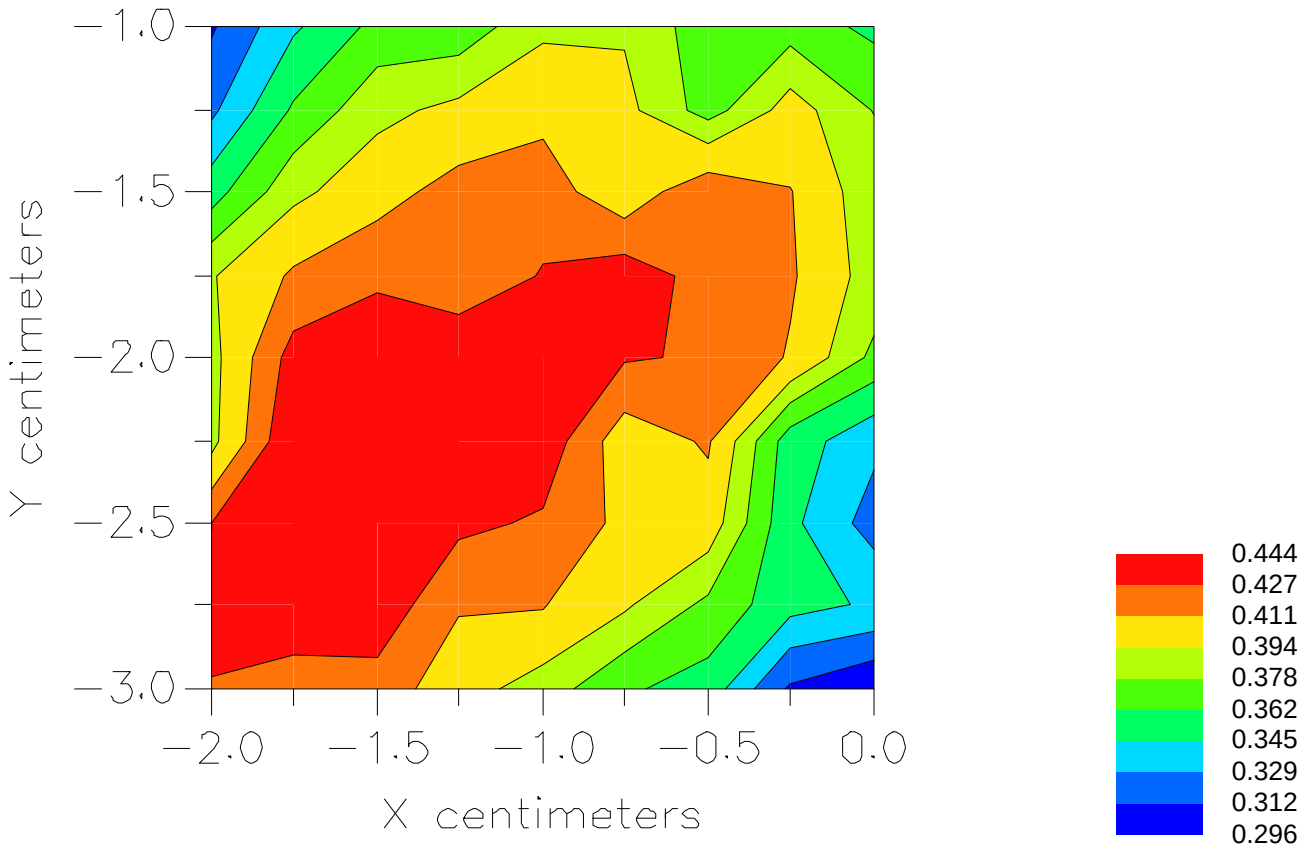
SAR Scan
File : 01042412_ZOOM
Start : 24-Apr-101 01:42:36 pm End : 24-Apr-101 01:50:03 pm
SAMSUNG/SPH-A330/2;836.49MHz;W;Helical/In;
Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 DegreesMuscle/51.700/1.100



File : 01042412_ZOOM
Start : 24-Apr-101 01:42:36 pm End : 24-Apr-101 01:50:03 pm
SAMSUNG/SPH-A330/2;836.49MHz;W;Helical/In;
Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 DegreesMuscle/51.700/1.100



File : 01042412_ZOOM
Start : 24-Apr-101 01:42:36 pm End : 24-Apr-101 01:50:03 pm
SAMSUNG/SPH-A330/2;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/01042411_ZOOM.VLT
Start : 24-Apr-101 12:30:02 pm End : 24-Apr-101 12:40:21 pm

Radio Type : SAMSUNG
Model Number : SPH-A330
Serial Number : 2
Frequency : 836.49 MHz
Peak Trans. Pwr : 0.400 W
Start Trans. Pwr: 0.400 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 26.0 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 = -1.750, Y = -2.250, Z = 0.000 (cm) Value = 6.166

Measured Values (volts) =

5.678E-003	4.681E-003	3.794E-003	3.184E-003	2.683E-003	2.340E-003
2.157E-003	2.015E-003	1.850E-003	1.713E-003	1.502E-003	1.225E-003
8.819E-004	6.109E-004	4.138E-004	3.155E-004	3.336E-004	4.520E-004
5.754E-004	6.332E-004	5.780E-004			

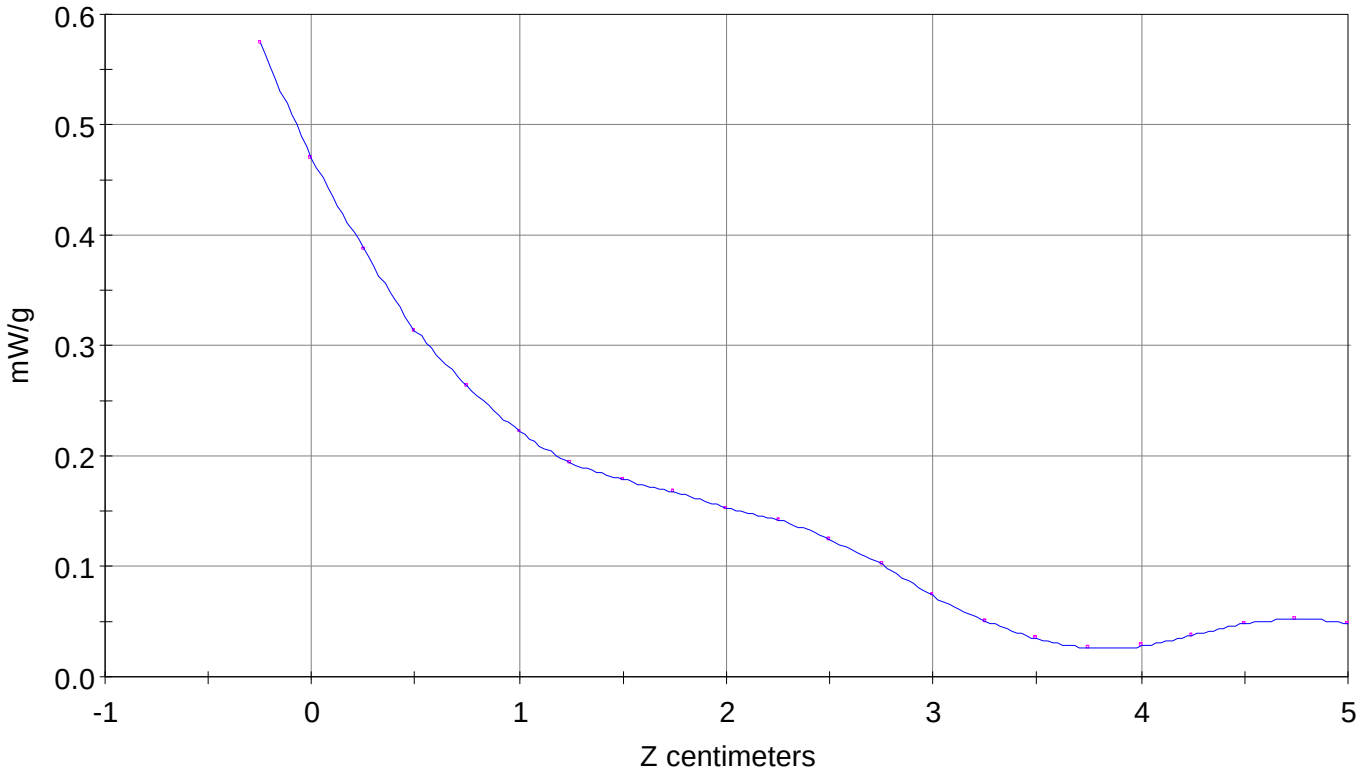
Calc. Voltage @ Surface (Vs) = 0.0069

Voltage @ 1.00 cm (Vt) = 0.0032

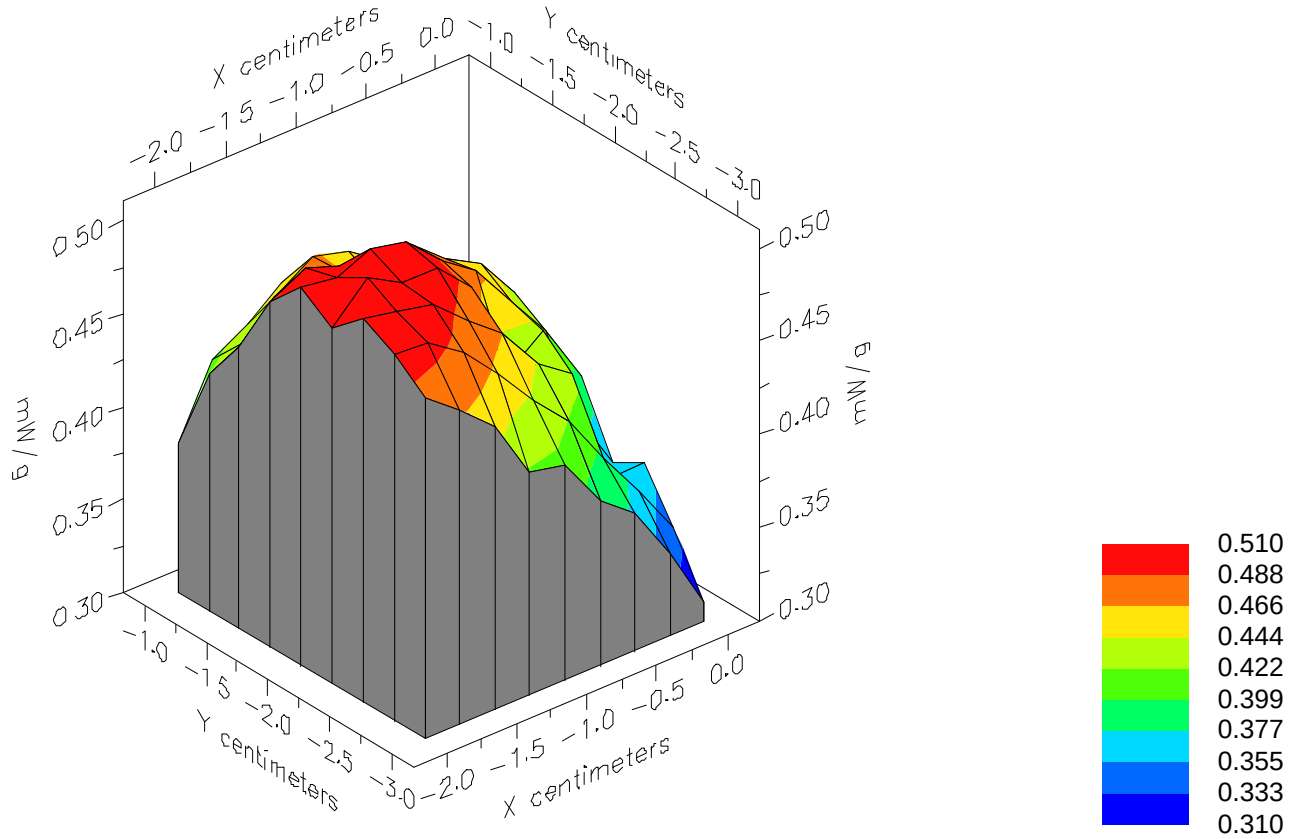
Ave. Voltage (Vs+Vt)/2 = 0.0051

Ave. SAR over 1 g (mW/g) = 0.4193

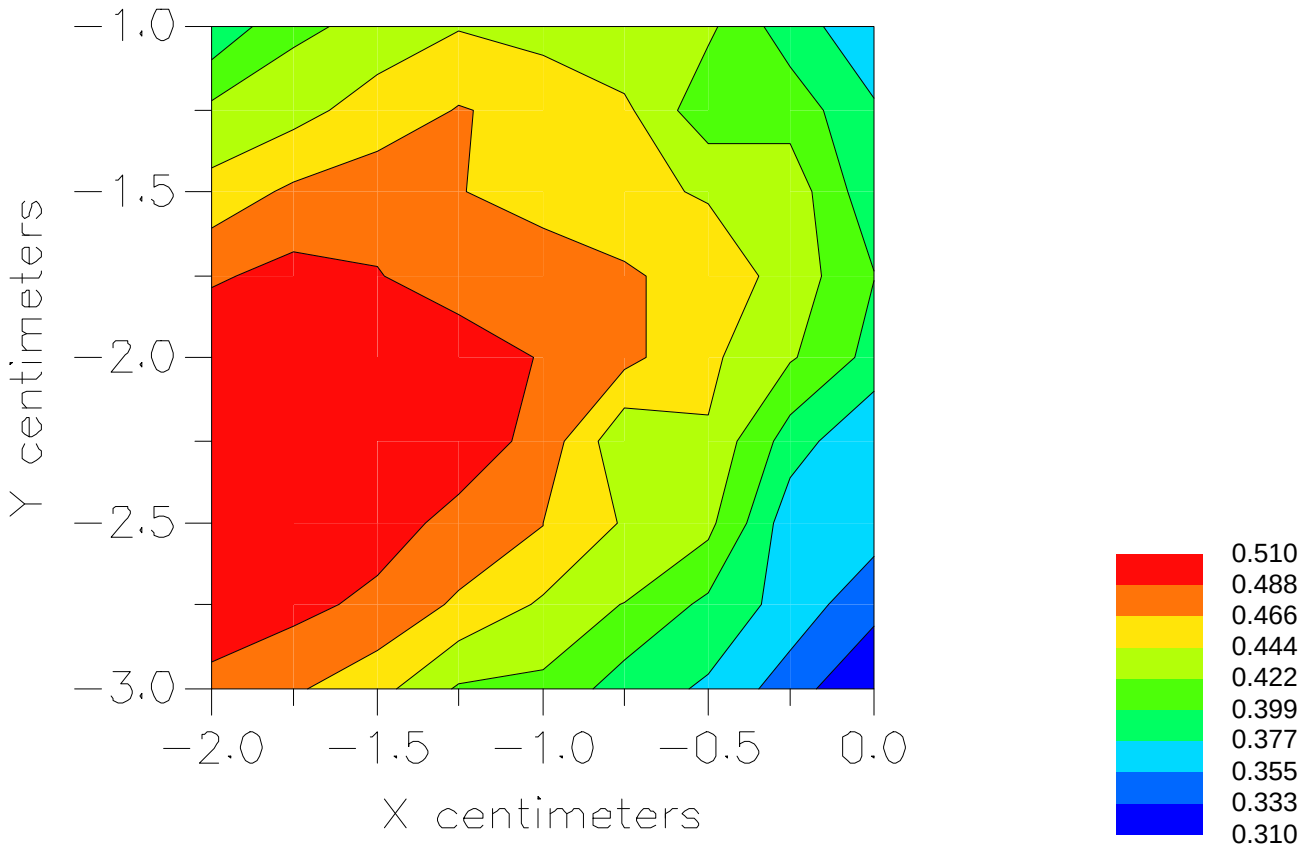
SAR Scan
File : 01042411_ZOOM
Start : 24-Apr-101 12:30:02 pm End : 24-Apr-101 12:40:21 pm
SAMSUNG/SPH-A330/2;836.49MHz;W;Helical/Out;
Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 DegreesMuscle/51.700/1.100



File : 01042411_ZOOM
Start : 24-Apr-101 12:30:02 pm End : 24-Apr-101 12:40:21 pm
SAMSUNG/SPH-A330/2;836.49MHz;W;Helical/Out;
Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 DegreesMuscle/51.700/1.100



File : 01042411_ZOOM
Start : 24-Apr-101 12:30:02 pm End : 24-Apr-101 12:40:21 pm
SAMSUNG/SPH-A330/2;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/01042417_ZOOM.VLT
Start : 24-Apr-101 03:29:18 pm End : 24-Apr-101 03:39:30 pm

Radio Type : SAMSUNG
Model Number : SPH-A330
Serial Number : 2
Frequency : 848.97 MHz
Peak Trans. Pwr : 0.400 W
Start Trans. Pwr: 0.400 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 26.0 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 = -1.250, Y = -2.000, Z = 0.000 (cm) Value = 6.079

Measured Values (volts) =

6.026E-003	4.764E-003	3.965E-003	3.208E-003	2.703E-003	2.331E-003
2.036E-003	1.880E-003	1.787E-003	1.663E-003	1.495E-003	1.242E-003
9.797E-004	7.126E-004	4.803E-004	3.367E-004	2.832E-004	3.302E-004
4.139E-004	5.256E-004	5.530E-004			

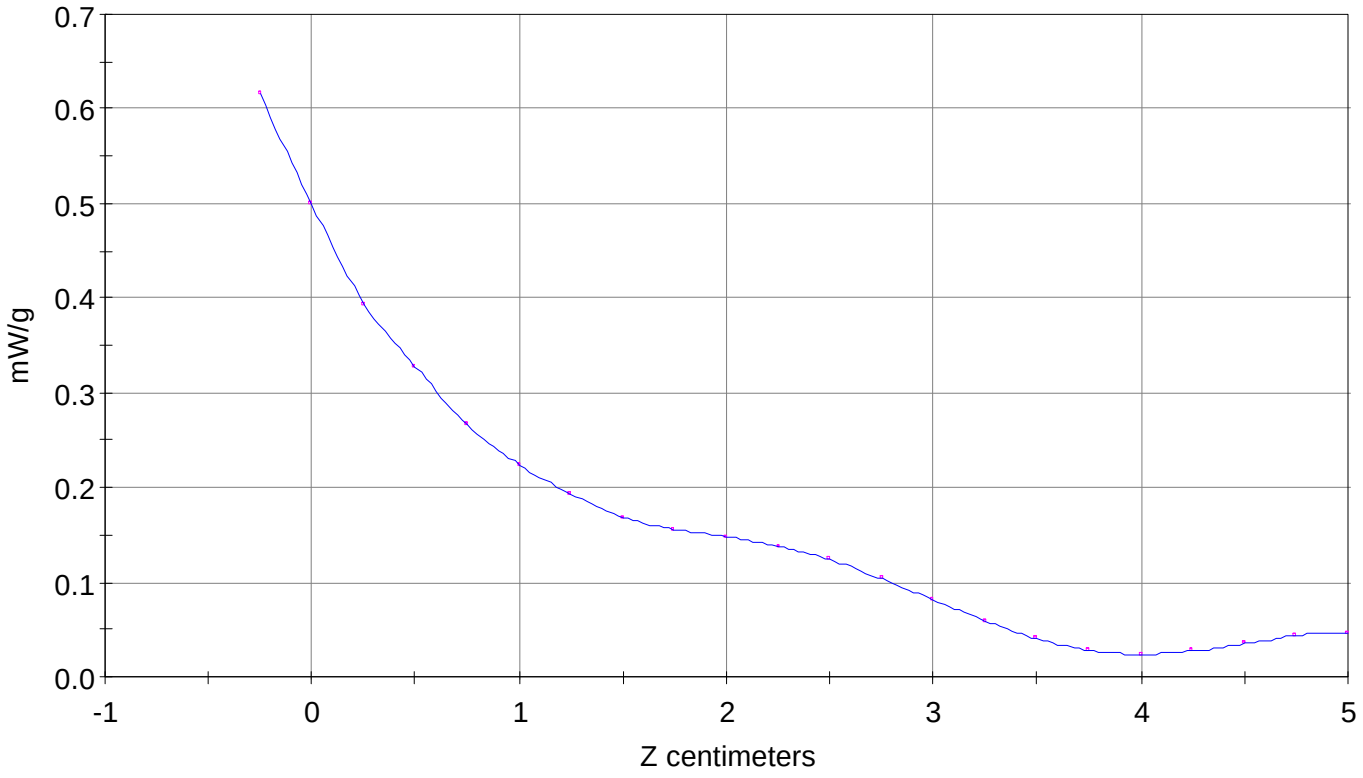
Calc. Voltage @ Surface (Vs) = 0.0074

Voltage @ 1.00 cm (Vt) = 0.0032

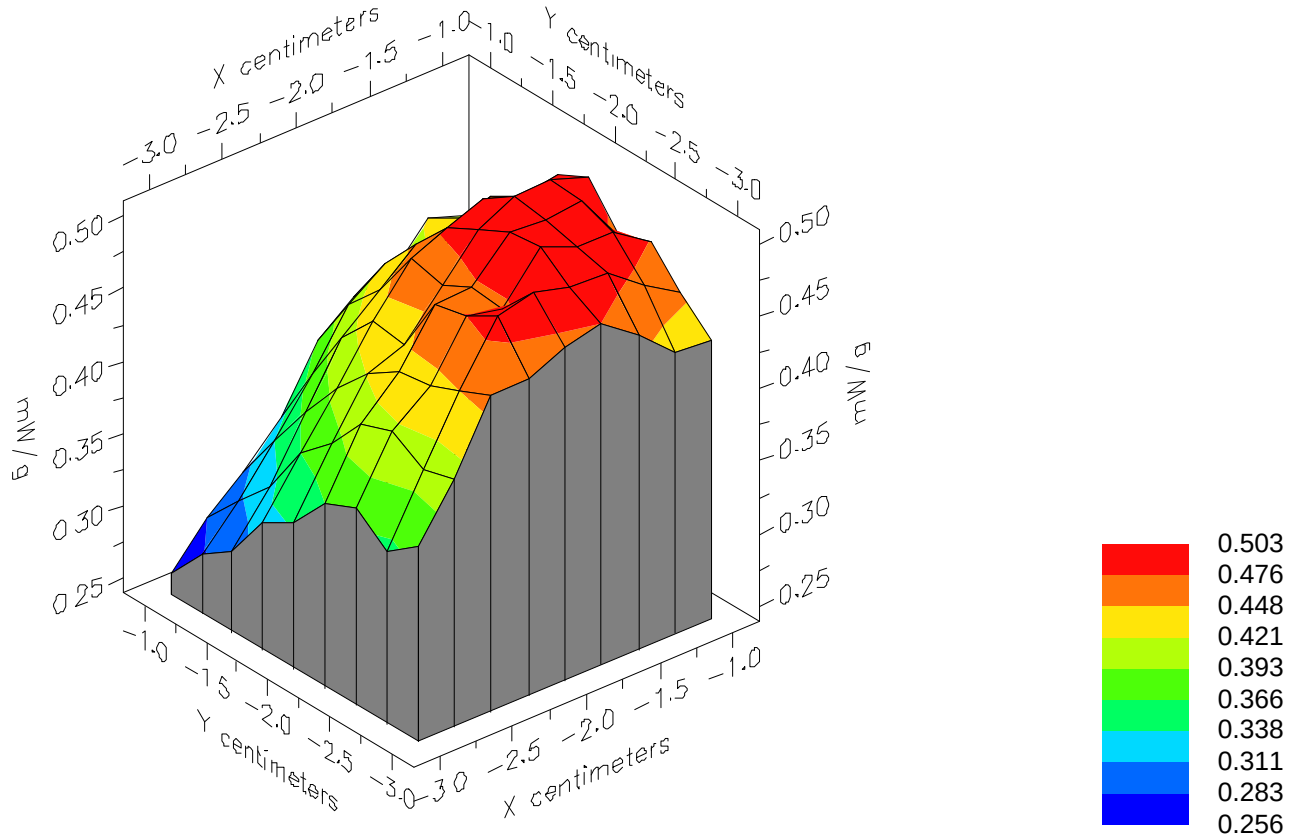
Ave. Voltage (Vs+Vt)/2 = 0.0053

Ave. SAR over 1 g (mW/g) = 0.4404

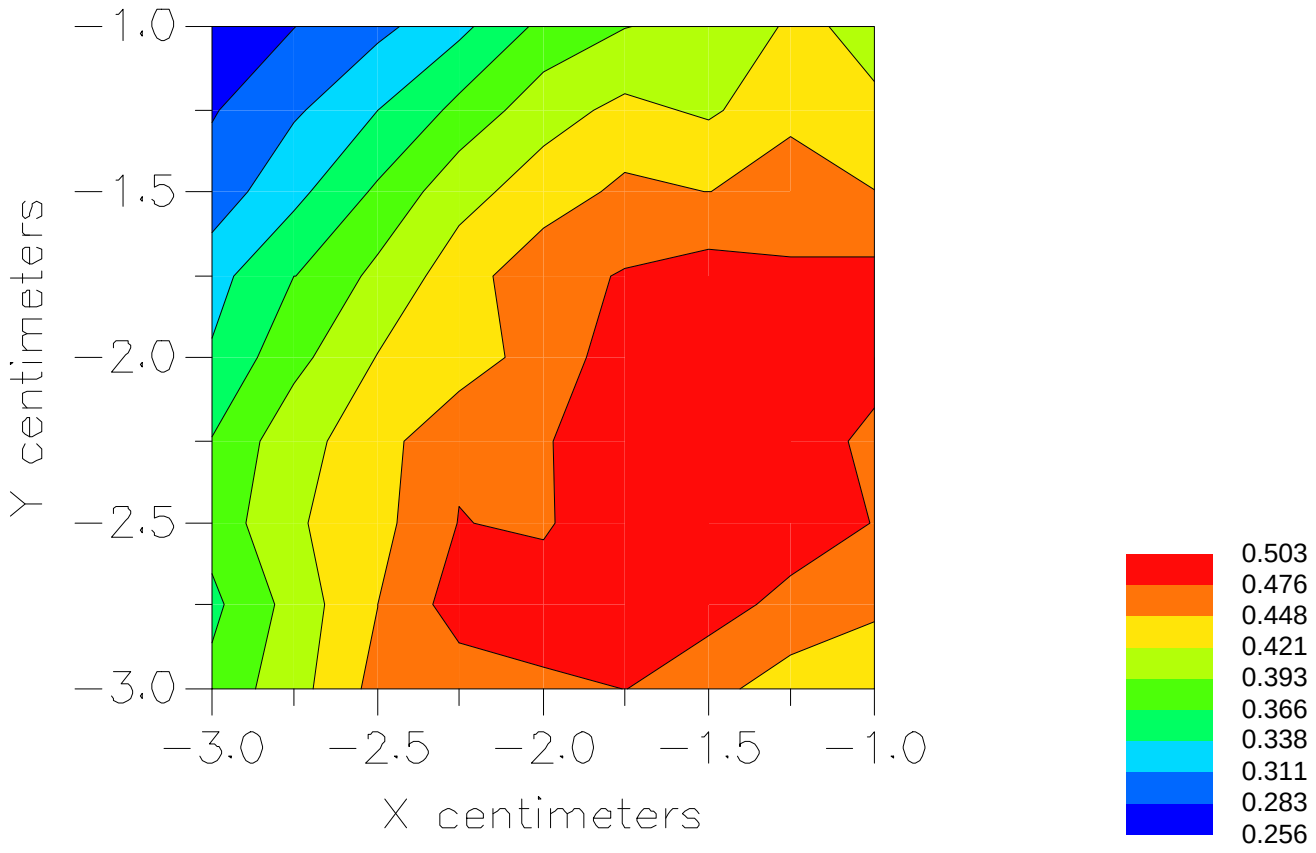
SAR Scan
File : 01042417_ZOOM
Start : 24-Apr-101 03:29:18 pm End : 24-Apr-101 03:39:30 pm
SAMSUNG/SPH-A330/2;848.97MHz;W;Helical/In;
Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 DegreesMuscle/51.700/1.100



File : 01042417_ZOOM
Start : 24-Apr-101 03:29:18 pm End : 24-Apr-101 03:39:30 pm
SAMSUNG/SPH-A330/2;848.97MHz;W;Helical/In;
Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 DegreesMuscle/51.700/1.100



File : 01042417_ZOOM
Start : 24-Apr-101 03:29:18 pm End : 24-Apr-101 03:39:30 pm
SAMSUNG/SPH-A330/2;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/01042416_ZOOM.VLT
Start : 24-Apr-101 03:17:57 pm End : 24-Apr-101 03:28:25 pm

Radio Type : SAMSUNG
Model Number : SPH-A330
Serial Number : 2
Frequency : 848.97 MHz
Peak Trans. Pwr : 0.400 W
Start Trans. Pwr: 0.400 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 26.0 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 = -2.000, Y = -2.500, Z = 0.000 (cm) Value = 7.787

Measured Values (volts) =

7.527E-003	6.034E-003	4.831E-003	3.970E-003	3.347E-003	2.878E-003
2.592E-003	2.415E-003	2.245E-003	2.001E-003	1.680E-003	1.323E-003
9.422E-004	6.161E-004	4.020E-004	3.655E-004	4.614E-004	5.683E-004
6.992E-004	7.133E-004	5.196E-004			

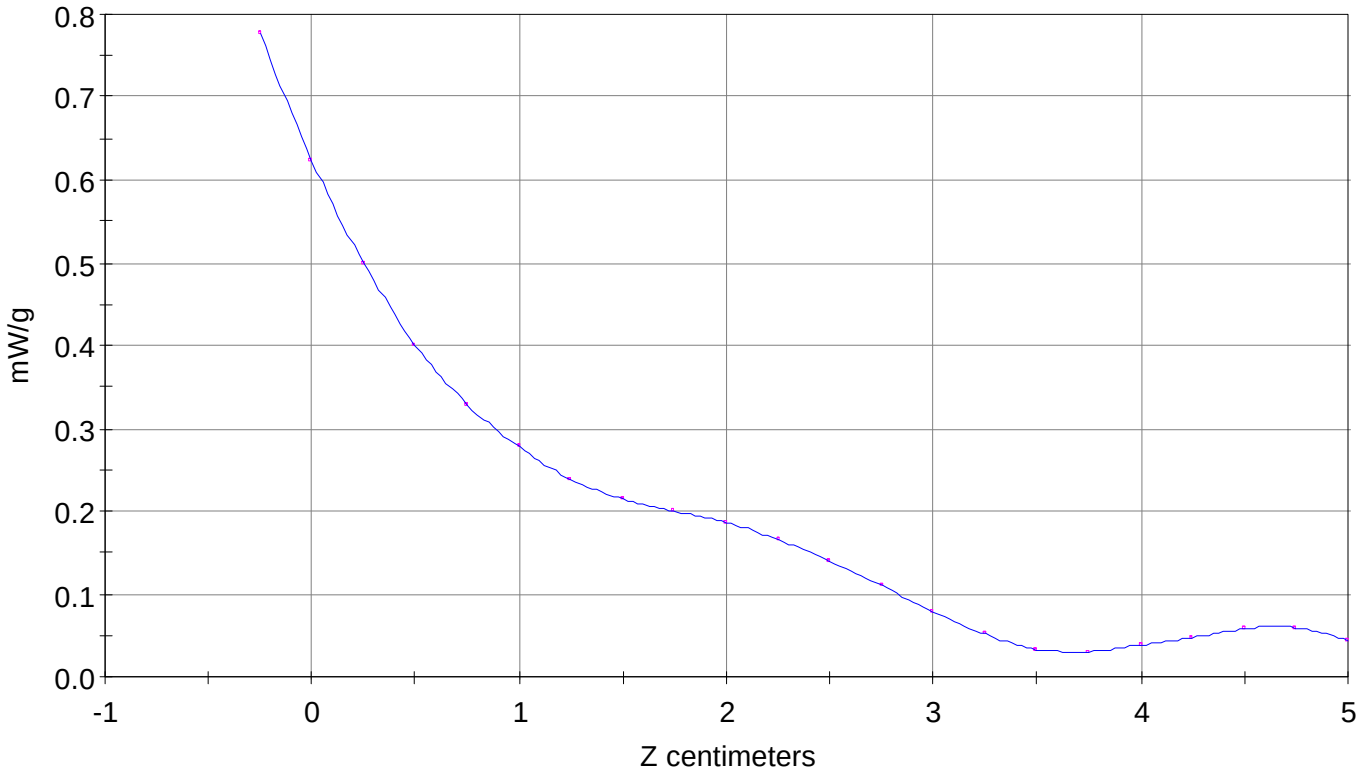
Calc. Voltage @ Surface (Vs) = 0.0094

Voltage @ 1.00 cm (Vt) = 0.0040

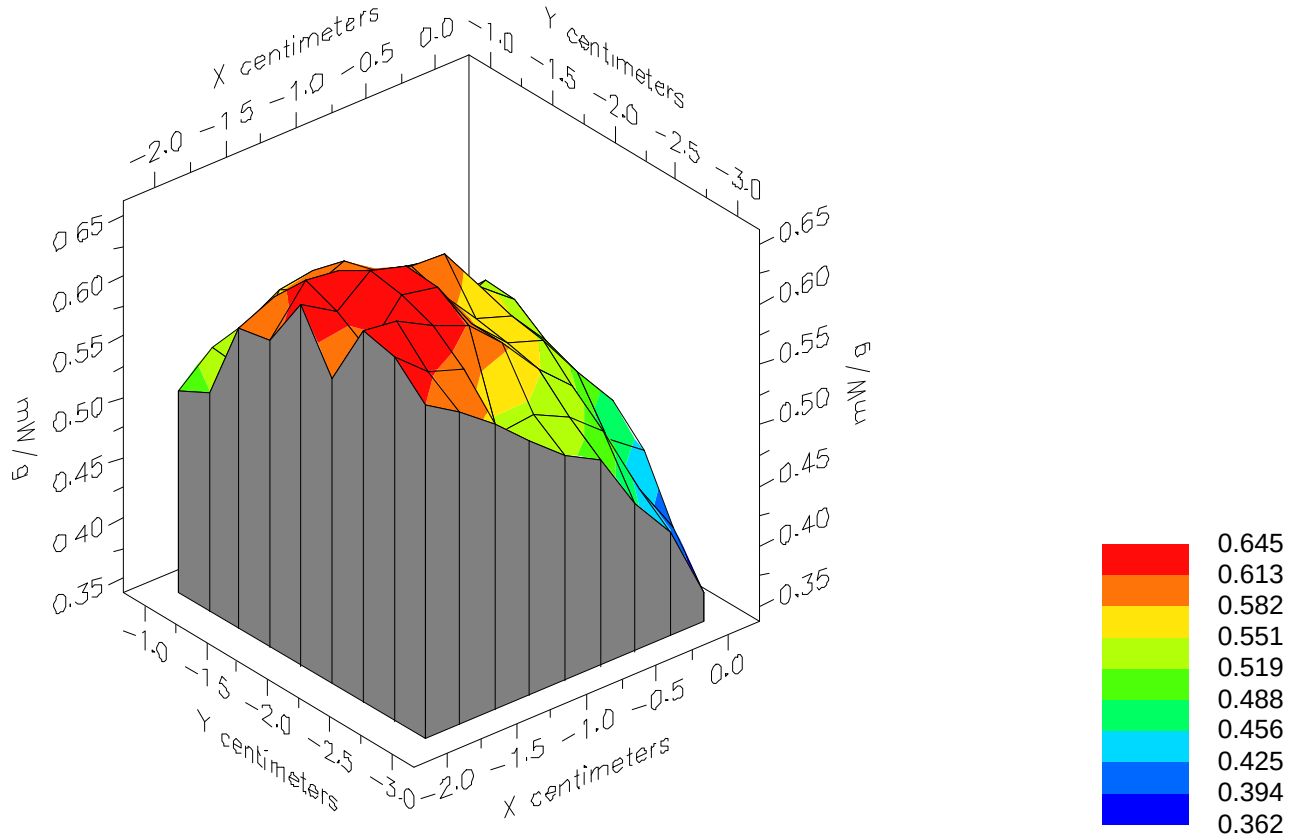
Ave. Voltage (Vs+Vt)/2 = 0.0067

Ave. SAR over 1 g (mW/g) = 0.5532

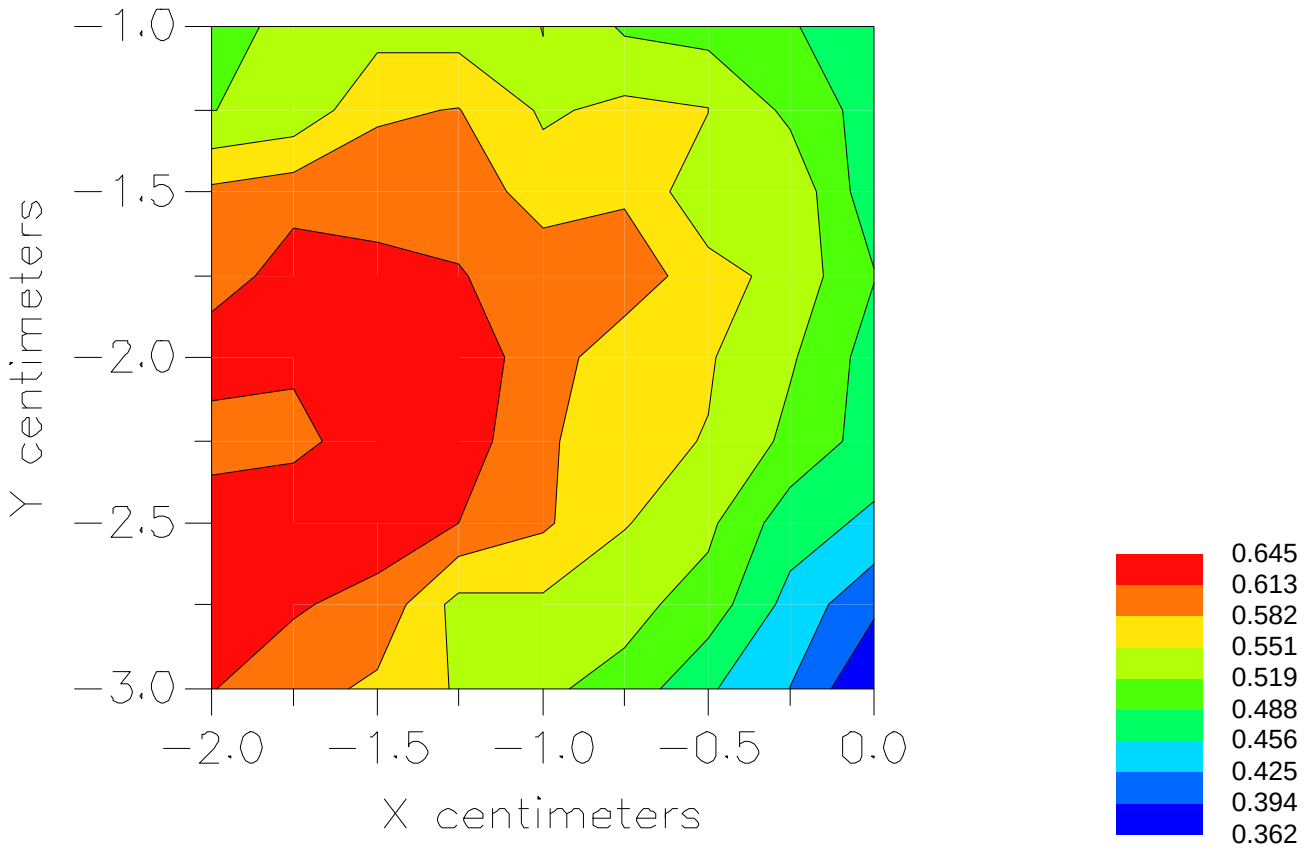
SAR Scan
File : 01042416_ZOOM
Start : 24-Apr-101 03:17:57 pm End : 24-Apr-101 03:28:25 pm
SAMSUNG/SPH-A330/2;848.97MHz;W;Helical/Out;
Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 DegreesMuscle/51.700/1.100



File : 01042416_ZOOM
Start : 24-Apr-101 03:17:57 pm End : 24-Apr-101 03:28:25 pm
SAMSUNG/SPH-A330/2;848.97MHz;W;Helical/Out;
Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 DegreesMuscle/51.700/1.100



File : 01042416_ZOOM
Start : 24-Apr-101 03:17:57 pm End : 24-Apr-101 03:28:25 pm
SAMSUNG/SPH-A330/2;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/01042419_ZOOM.VLT
Start : 24-Apr-101 04:06:28 pm End : 24-Apr-101 04:17:00 pm

Radio Type : SAMSUNG
Model Number : SPH-A330
Serial Number : 2
Frequency : 848.31 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 0777 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 = -1.750, Y = -2.500, Z = 0.000 (cm) Value = 4.214

Measured Values (volts) =

4.057E-003	3.158E-003	2.510E-003	2.066E-003	1.725E-003	1.424E-003
1.366E-003	1.257E-003	1.139E-003	1.046E-003	8.676E-004	6.600E-004
4.740E-004	3.410E-004	2.269E-004	1.815E-004	2.075E-004	3.042E-004
3.126E-004	3.314E-004	2.471E-004			

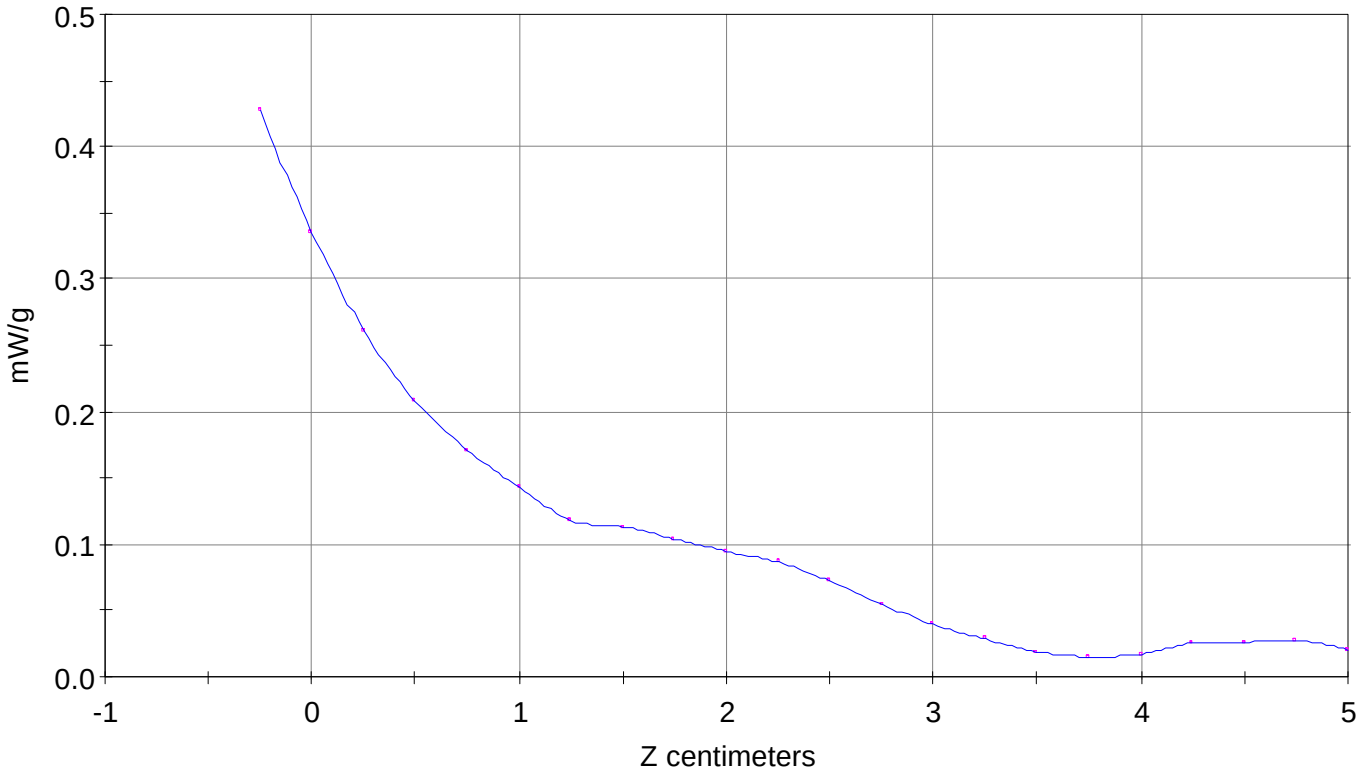
Calc. Voltage @ Surface (Vs) = 0.0052

Voltage @ 1.00 cm (Vt) = 0.0021

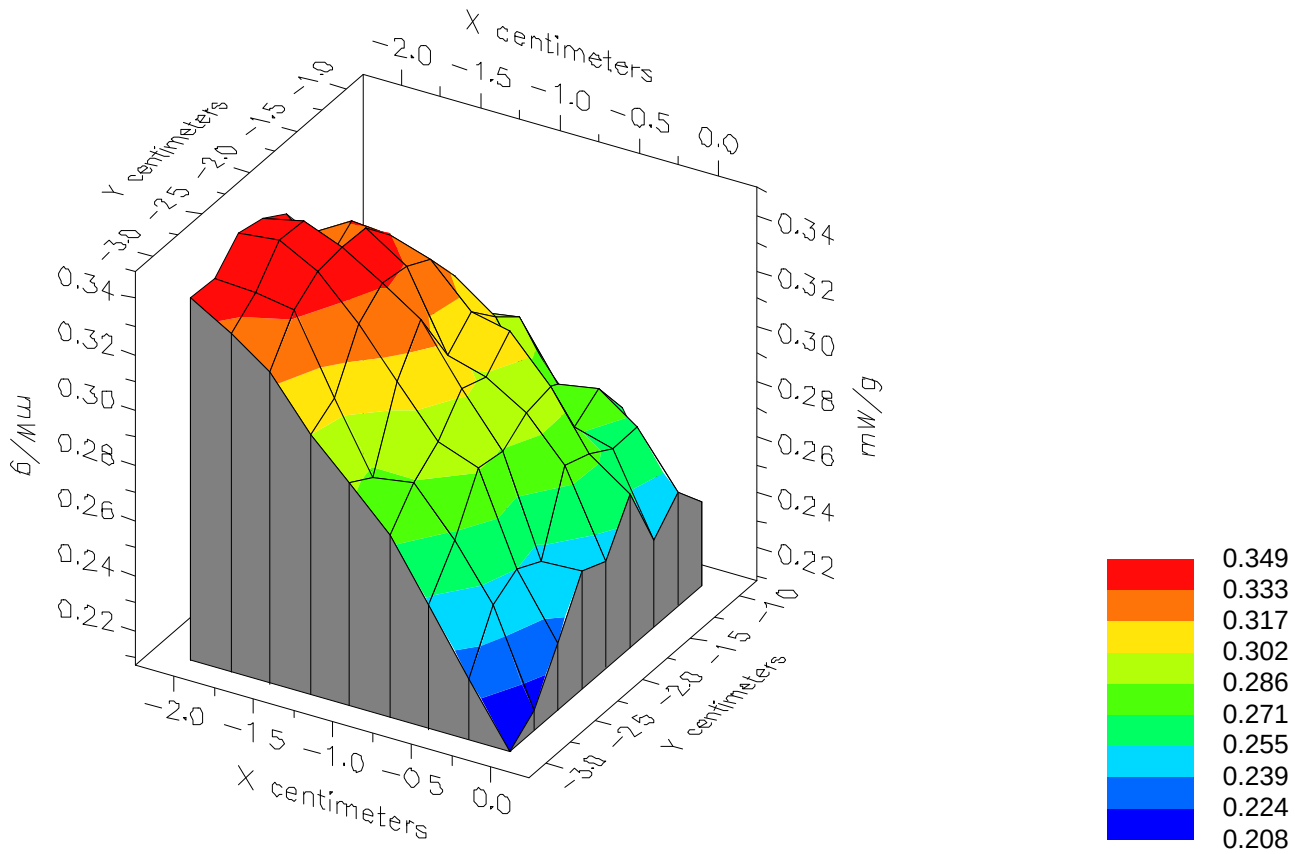
Ave. Voltage (Vs+Vt)/2 = 0.0036

Ave. SAR over 1 g (mW/g) = 0.2990

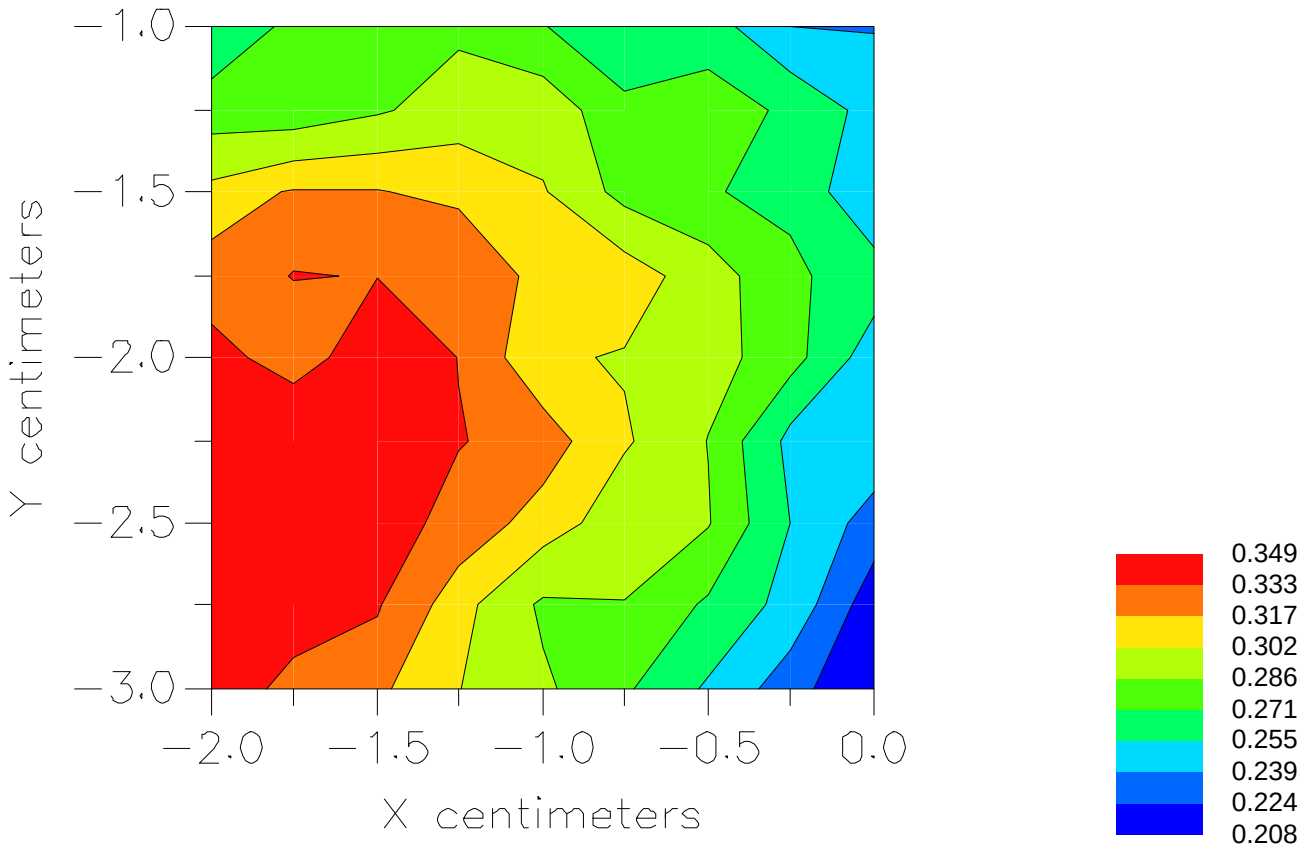
SAR Scan
File : 01042419_ZOOM
Start : 24-Apr-101 04:06:28 pm End : 24-Apr-101 04:17:00 pm
SAMSUNG/SPH-A330/2;848.31MHz;W;Helical/In;
Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 DegreesMuscle/51.700/1.100



File : 01042419_ZOOM
Start : 24-Apr-101 04:06:28 pm End : 24-Apr-101 04:17:00 pm
SAMSUNG/SPH-A330/2;848.31MHz;W;Helical/In;
Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 DegreesMuscle/51.700/1.100



File : 01042419_ZOOM
Start : 24-Apr-101 04:06:28 pm End : 24-Apr-101 04:17:00 pm
SAMSUNG/SPH-A330/2;848.31MHz;W;Helical/In;
Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 DegreesMuscle/51.700/1.100



File : c:/idx3/SYSTEM/SARMEAS3/data/Normal/01042418_ZOOM.VLT
Start : 24-Apr-101 03:48:11 pm End : 24-Apr-101 03:58:45 pm

Radio Type : SAMSUNG
Model Number : SPH-A330
Serial Number : 2
Frequency : 848.31 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 0777 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 = -1.250, Y = -2.250, Z = 0.000 (cm) Value = 5.128

Measured Values (volts) =

4.854E-003	3.815E-003	3.081E-003	2.508E-003	2.081E-003	1.773E-003
1.585E-003	1.502E-003	1.420E-003	1.352E-003	1.199E-003	9.782E-004
7.639E-004	5.331E-004	3.343E-004	2.572E-004	2.338E-004	3.211E-004
3.896E-004	4.505E-004	4.486E-004			

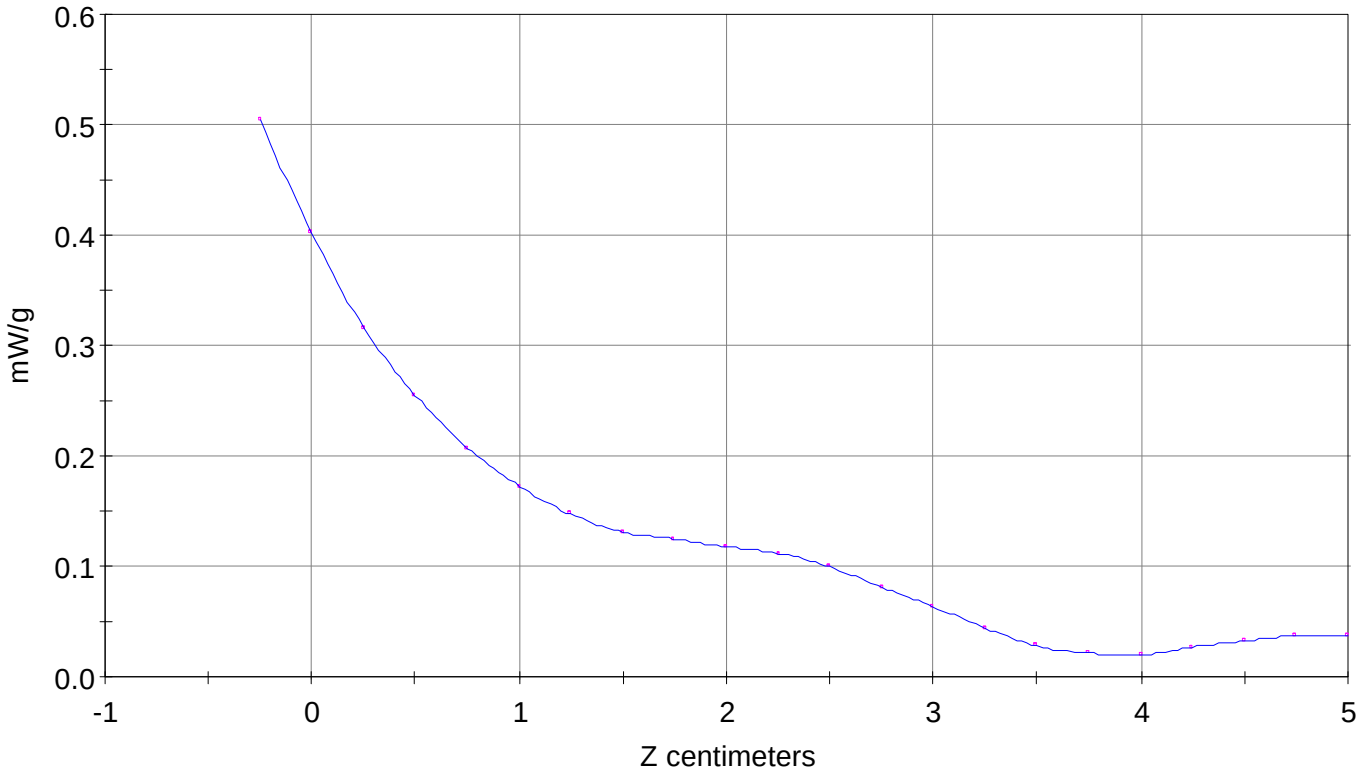
Calc. Voltage @ Surface (Vs) = 0.0061

Voltage @ 1.00 cm (Vt) = 0.0025

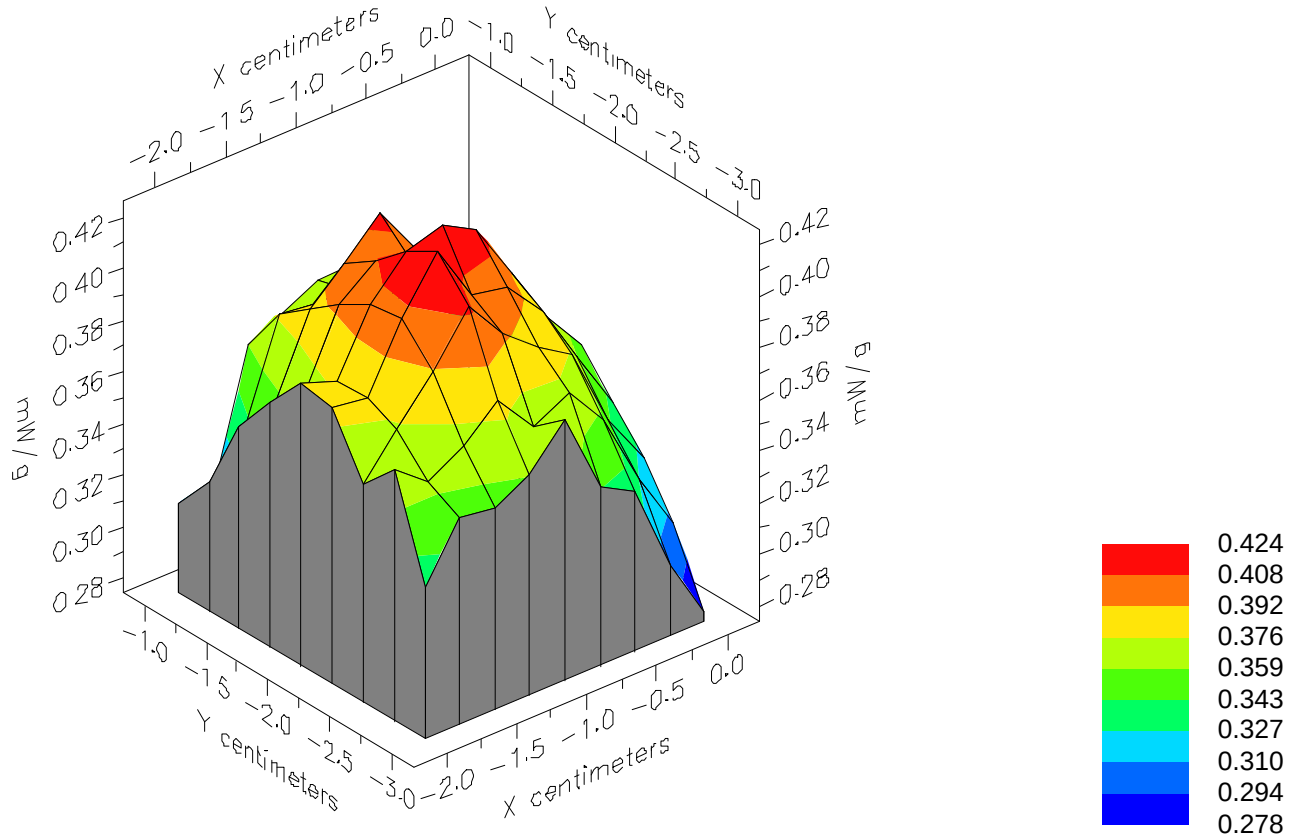
Ave. Voltage (Vs+Vt)/2 = 0.0043

Ave. SAR over 1 g (mW/g) = 0.3560

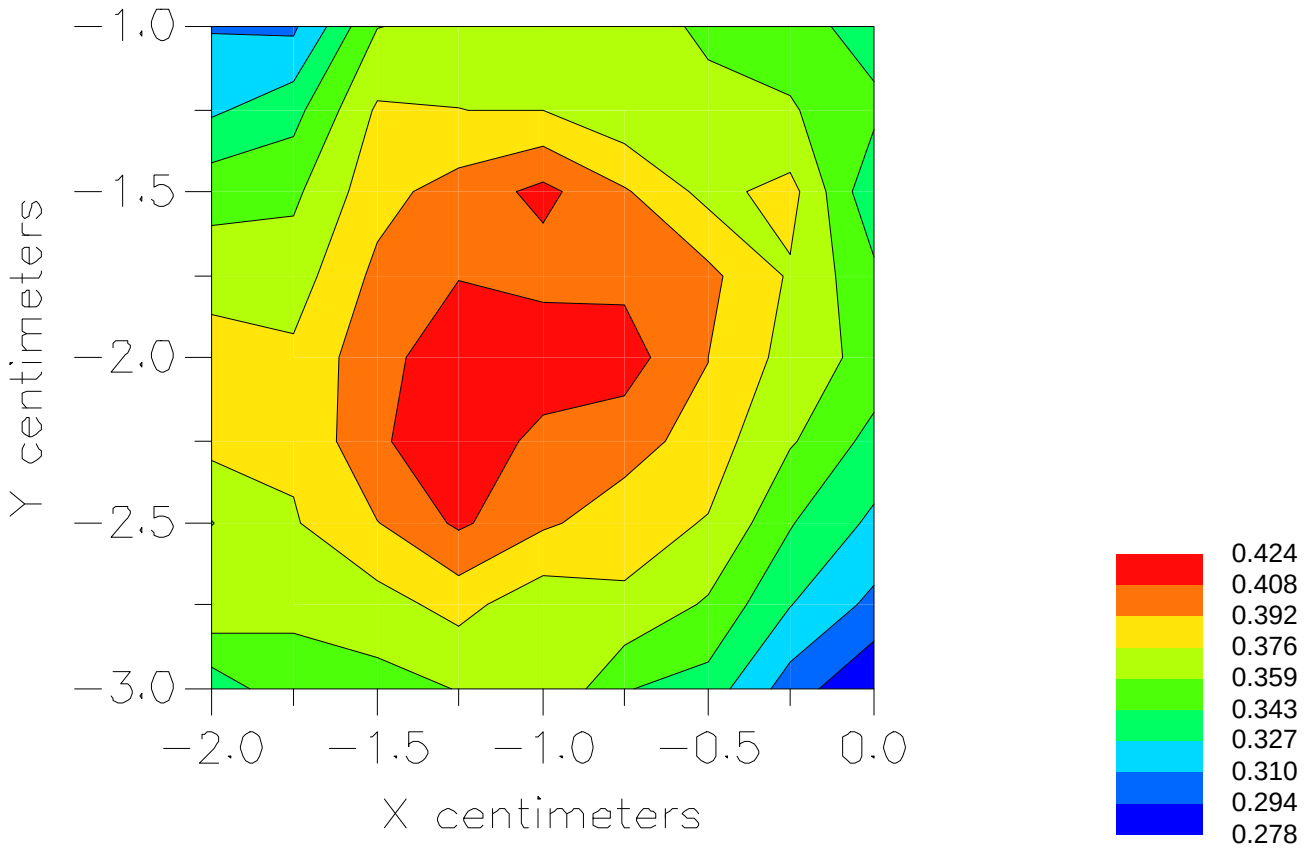
SAR Scan
File : 01042418_ZOOM
Start : 24-Apr-101 03:48:11 pm End : 24-Apr-101 03:58:45 pm
SAMSUNG/SPH-A330/2;848.31MHz;W;Helical/Out;
Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 DegreesMuscle/51.700/1.100



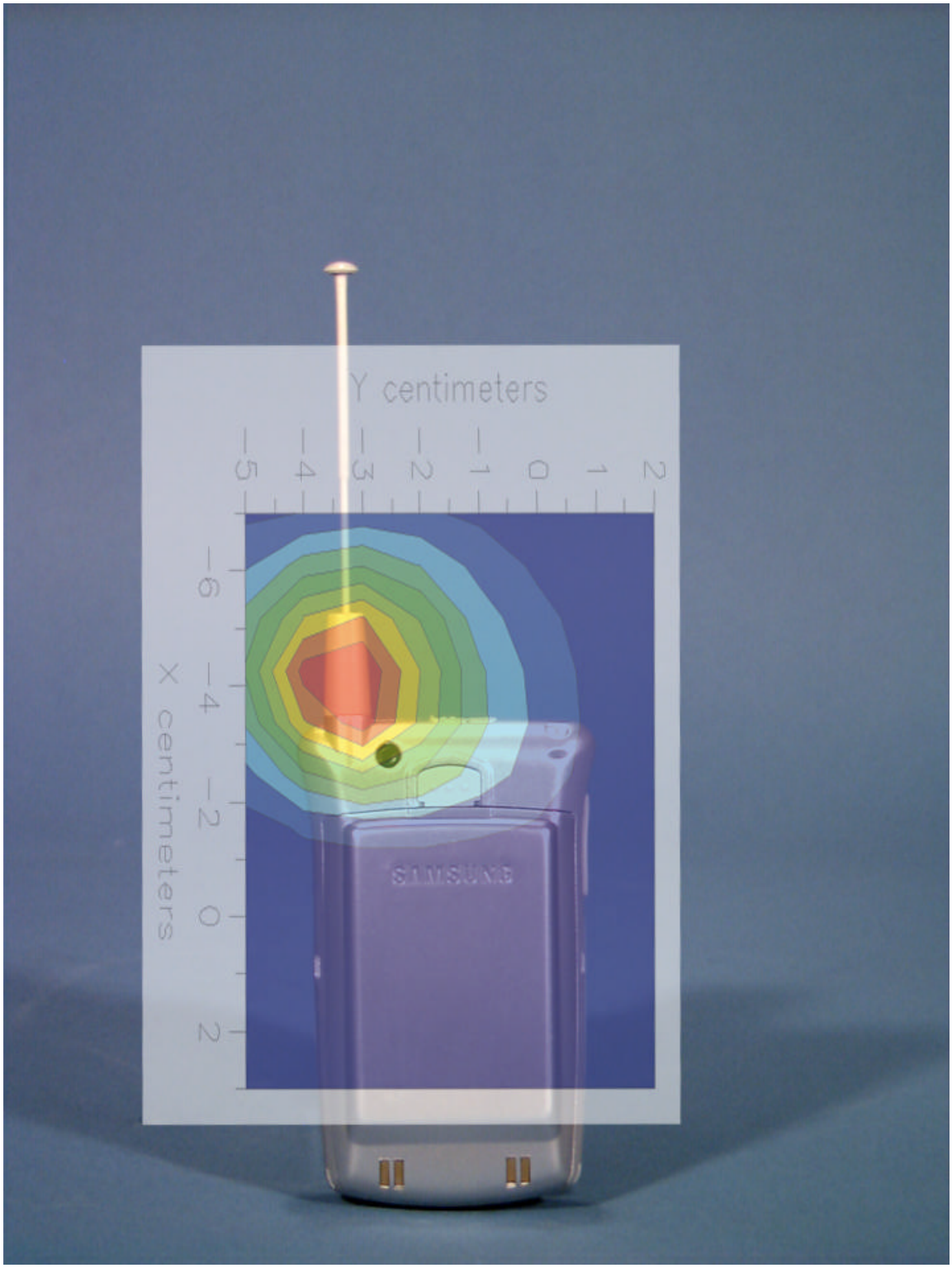
File : 01042418_ZOOM
Start : 24-Apr-101 03:48:11 pm End : 24-Apr-101 03:58:45 pm
SAMSUNG/SPH-A330/2;848.31MHz;W;Helical/Out;
Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 DegreesMuscle/51.700/1.100



File : 01042418_ZOOM
Start : 24-Apr-101 03:48:11 pm End : 24-Apr-101 03:58:45 pm
SAMSUNG/SPH-A330/2;848.31MHz;W;Helical/Out;
Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 DegreesMuscle/51.700/1.100



1800 MHz Body SAR



File : c:/idx3/SYSTEM/SARMEAS3/data/Normal/01042507_ZOOM.VLT
Start : 25-Apr-101 10:26:49 am End : 25-Apr-101 10:35:57 am

Radio Type : SAMSUNG
Model Number : SPH-A330
Serial Number : 2
Frequency : 1851.25 MHz
Peak Trans. Pwr : 0.280 W
Start Trans. Pwr: 0.280 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 24.5 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 = -4.000, Y = -3.500, Z = 0.000 (cm) Value = 7.584

Measured Values (volts) =

7.476E-003	6.152E-003	4.329E-003	2.954E-003	2.186E-003	1.603E-003
1.302E-003	1.049E-003	8.626E-004	5.519E-004	3.415E-004	2.046E-004
2.661E-004	3.169E-004	2.230E-004	7.983E-005	1.269E-005	0.000E+000
0.000E+000	0.000E+000	0.000E+000			

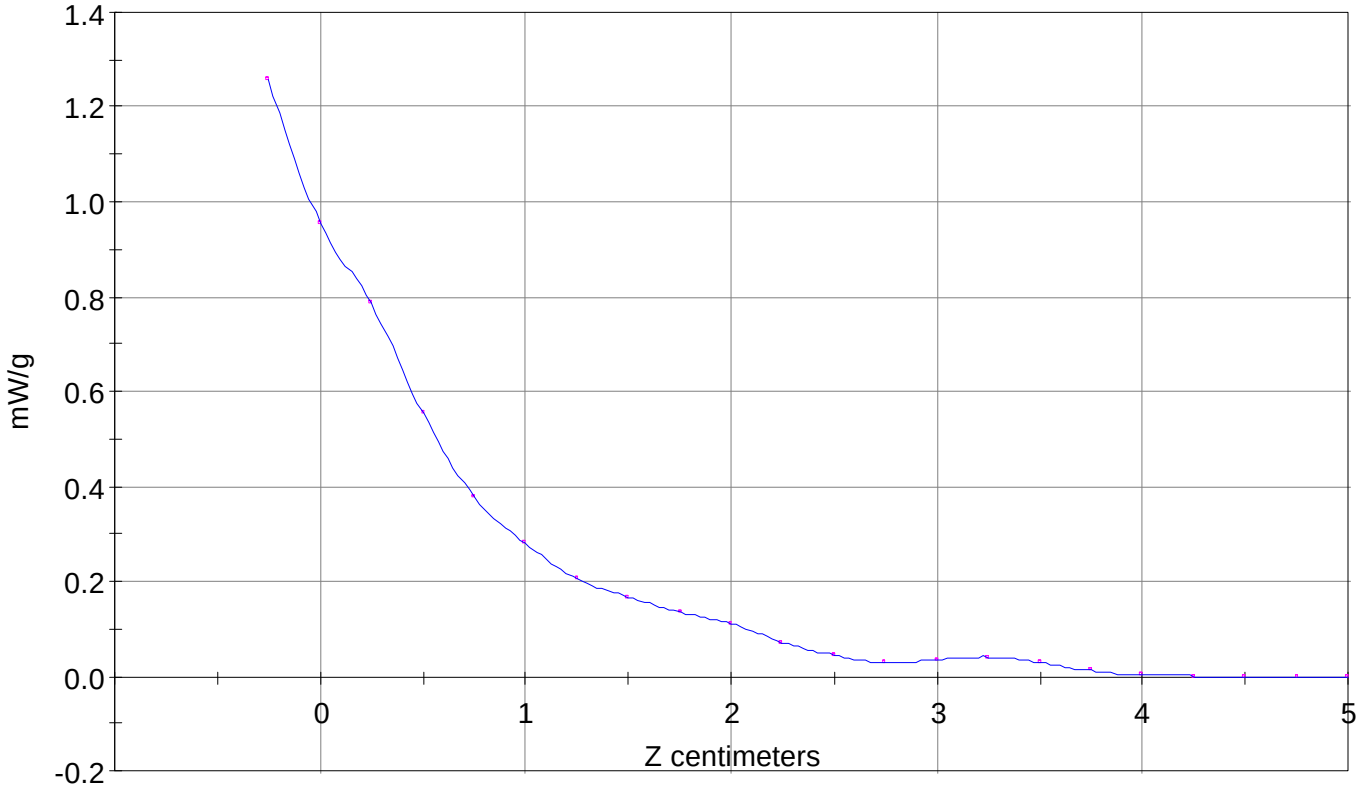
Calc. Voltage @ Surface (Vs) = 0.0099

Voltage @ 1.00 cm (Vt) = 0.0030

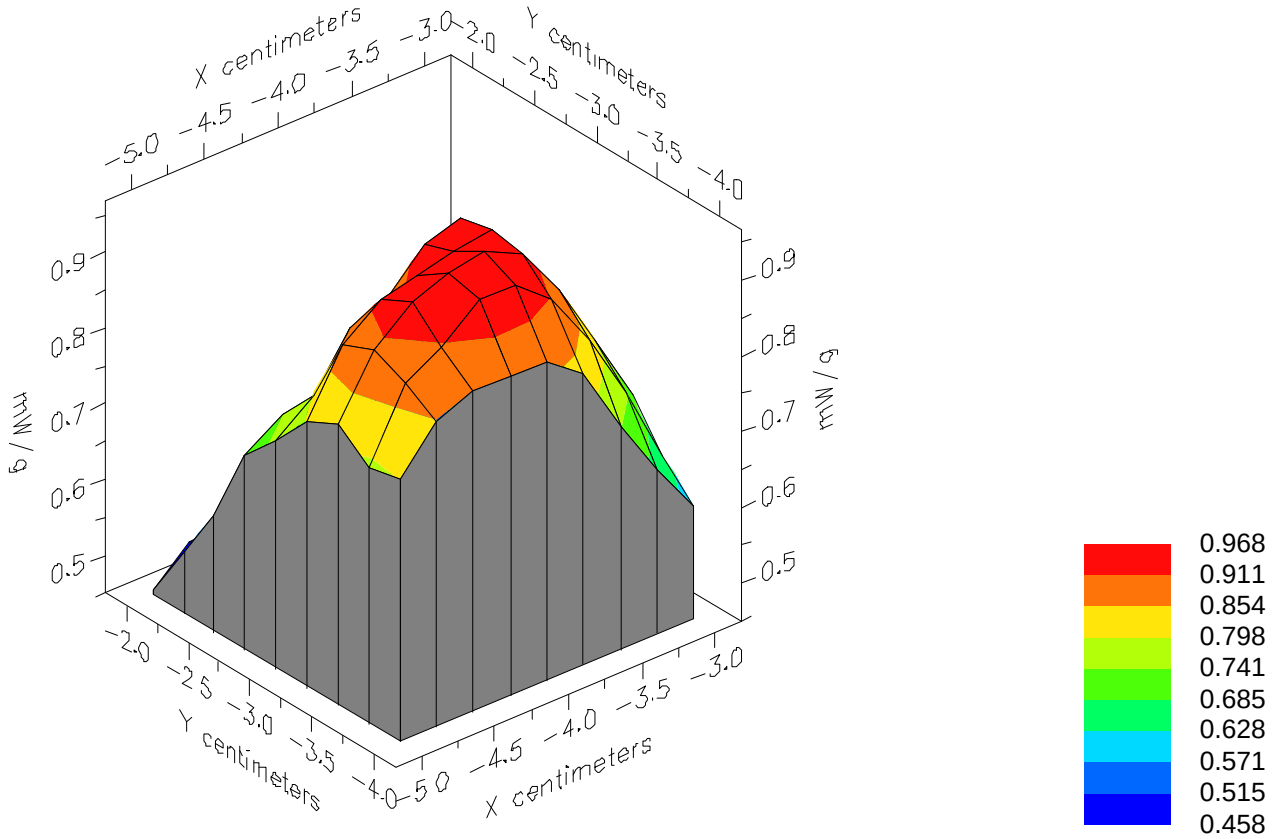
Ave. Voltage (Vs+Vt)/2 = 0.0064

Ave. SAR over 1 g (mW/g) = 0.8172

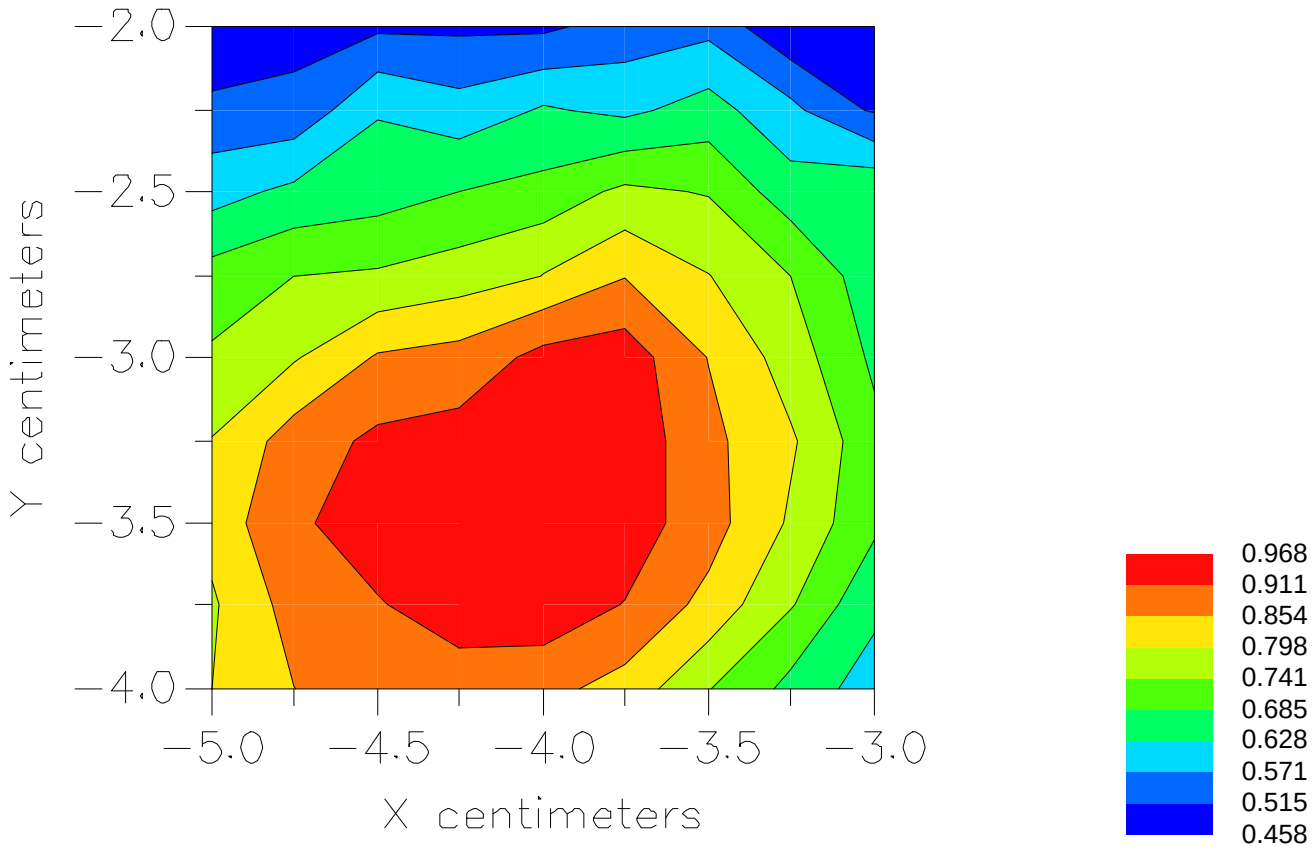
SAR Scan
File : 01042507_ZOOM
Start : 25-Apr-101 10:26:49 am End : 25-Apr-101 10:35:57 am
SAMSUNG/SPH-A330/2;1851.25MHz;W;Helical/In;
Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 DegreesMuscle/54.200/1.850



File : 01042507_ZOOM
Start : 25-Apr-101 10:26:49 am End : 25-Apr-101 10:35:57 am
SAMSUNG/SPH-A330/2;1851.25MHz;W;Helical/In;
Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 DegreesMuscle/54.200/1.850



File : 01042507_ZOOM
Start : 25-Apr-101 10:26:49 am End : 25-Apr-101 10:35:57 am
SAMSUNG/SPH-A330/2;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/01042508_ZOOM.VLT
Start : 25-Apr-101 10:37:48 am End : 25-Apr-101 10:47:03 am

Radio Type : SAMSUNG
Model Number : SPH-A330
Serial Number : 2
Frequency : 1851.25 MHz
Peak Trans. Pwr : 0.280 W
Start Trans. Pwr: 0.280 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 24.5 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 = -4.000, Y = -3.500, Z = 0.000 (cm) Value = 8.733

Measured Values (volts) =

8.555E-003	6.657E-003	4.729E-003	3.288E-003	2.364E-003	1.761E-003
1.439E-003	1.214E-003	9.289E-004	5.581E-004	3.196E-004	2.672E-004
2.897E-004	3.470E-004	2.322E-004	1.390E-004	1.713E-005	1.213E-005
2.467E-006	0.000E+000	0.000E+000			

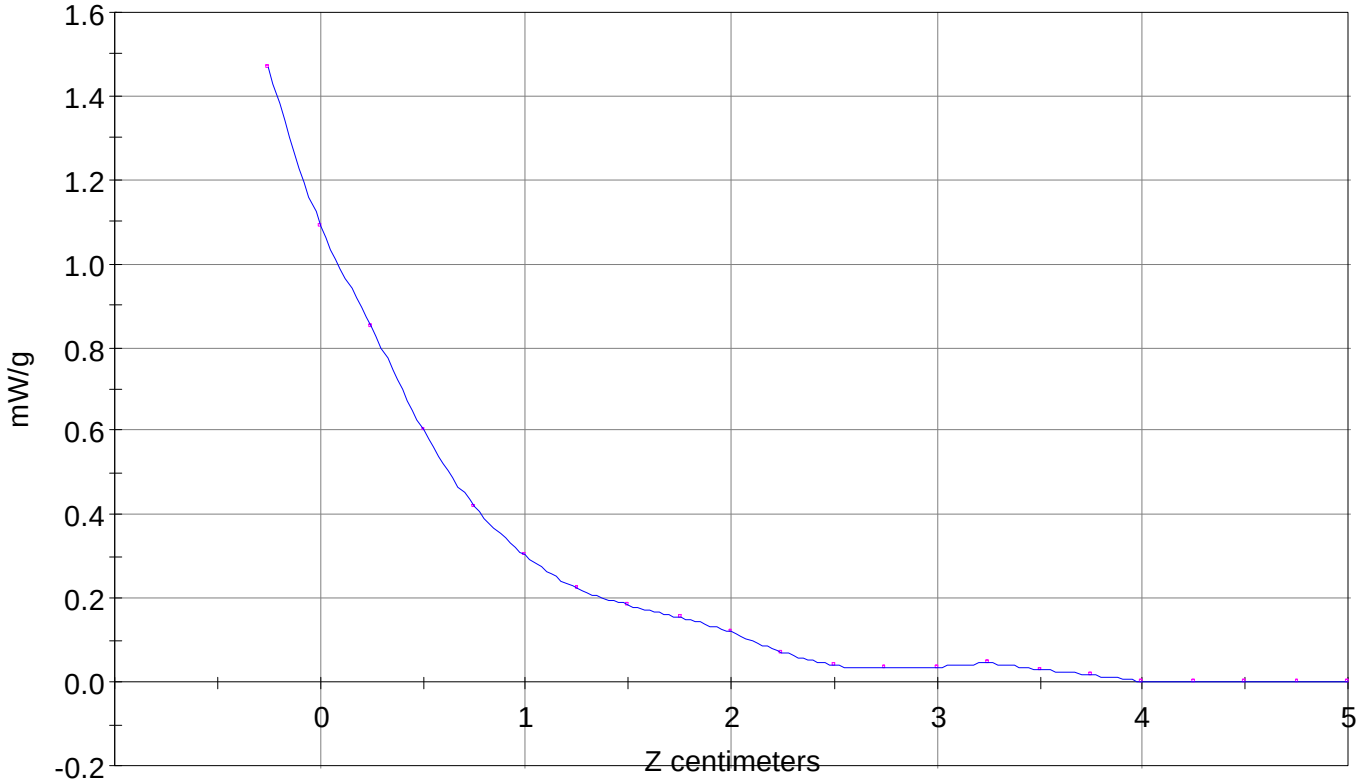
Calc. Voltage @ Surface (Vs) = 0.0115

Voltage @ 1.00 cm (Vt) = 0.0033

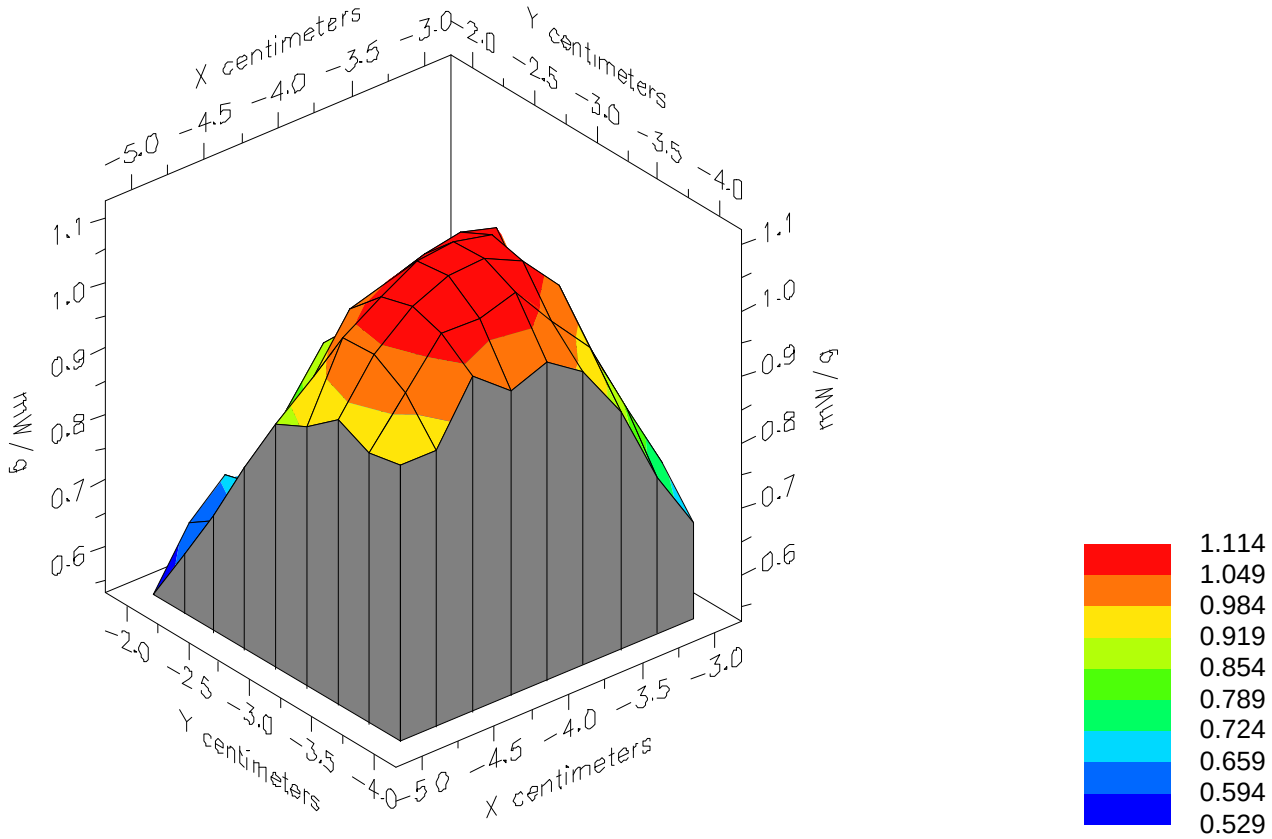
Ave. Voltage (Vs+Vt)/2 = 0.0074

Ave. SAR over 1 g (mW/g) = 0.9446

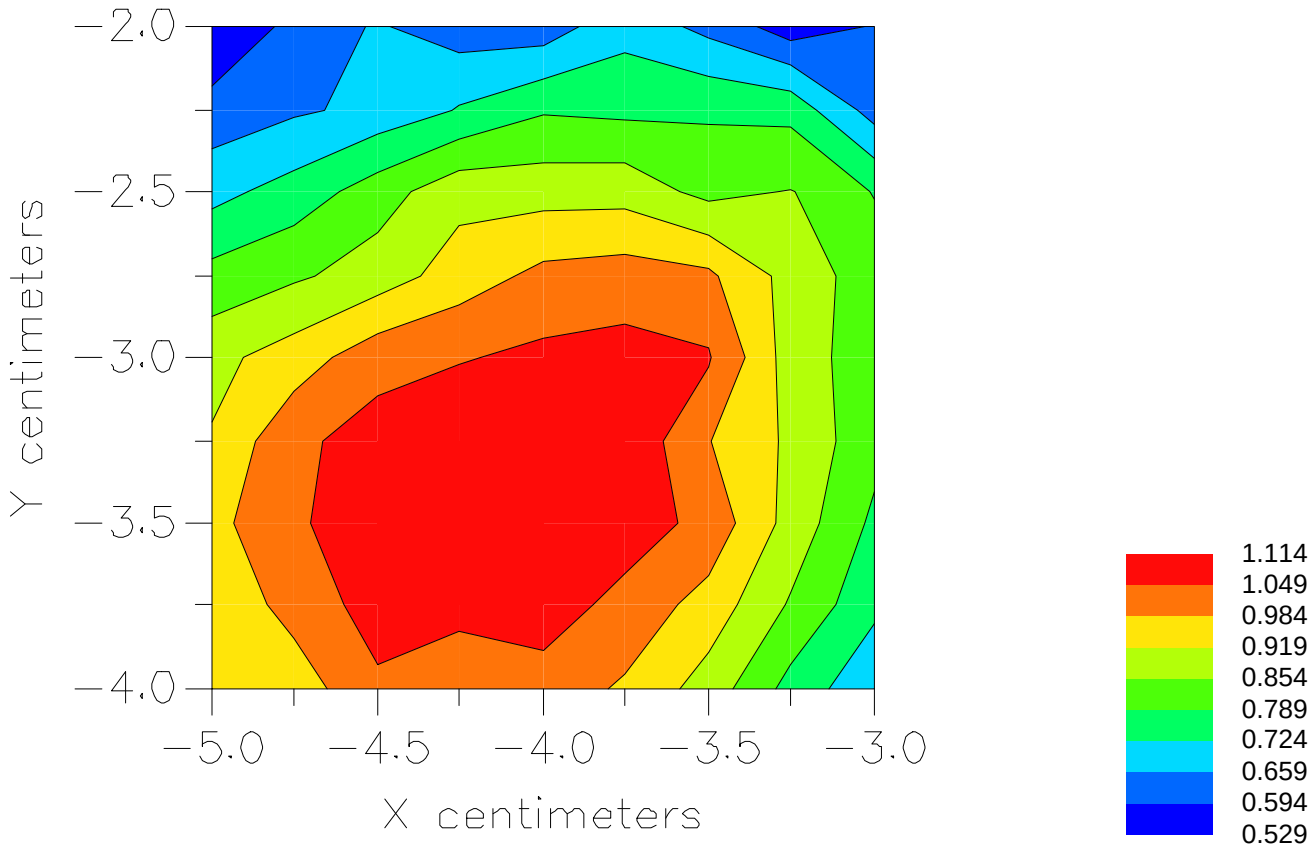
SAR Scan
File : 01042508_ZOOM
Start : 25-Apr-101 10:37:48 am End : 25-Apr-101 10:47:03 am
SAMSUNG/SPH-A330/2;1851.25MHz;W;Helical/Out;
Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 DegreesMuscle/54.200/1.850



File : 01042508_ZOOM
Start : 25-Apr-101 10:37:48 am End : 25-Apr-101 10:47:03 am
SAMSUNG/SPH-A330/2;1851.25MHz;W;Helical/Out;
Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 DegreesMuscle/54.200/1.850



File : 01042508_ZOOM
Start : 25-Apr-101 10:37:48 am End : 25-Apr-101 10:47:03 am
SAMSUNG/SPH-A330/2;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/01042425_ZOOM.VLT
Start : 24-Apr-101 05:59:37 pm End : 24-Apr-101 06:09:31 pm

Radio Type : SAMSUNG
Model Number : SPH-A330
Serial Number : 2
Frequency : 1880.00 MHz
Peak Trans. Pwr : 0.280 W
Start Trans. Pwr: 0.280 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 24.5 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 = -3.250, Z = 0.000 (cm) Value = 8.040

Measured Values (volts) =

7.714E-003	5.857E-003	4.084E-003	2.979E-003	2.108E-003	1.619E-003
1.151E-003	8.381E-004	6.502E-004	4.630E-004	4.111E-004	2.639E-004
1.374E-004	8.304E-005	1.247E-004	1.410E-004	6.062E-005	6.881E-005
1.903E-006	0.000E+000	0.000E+000			

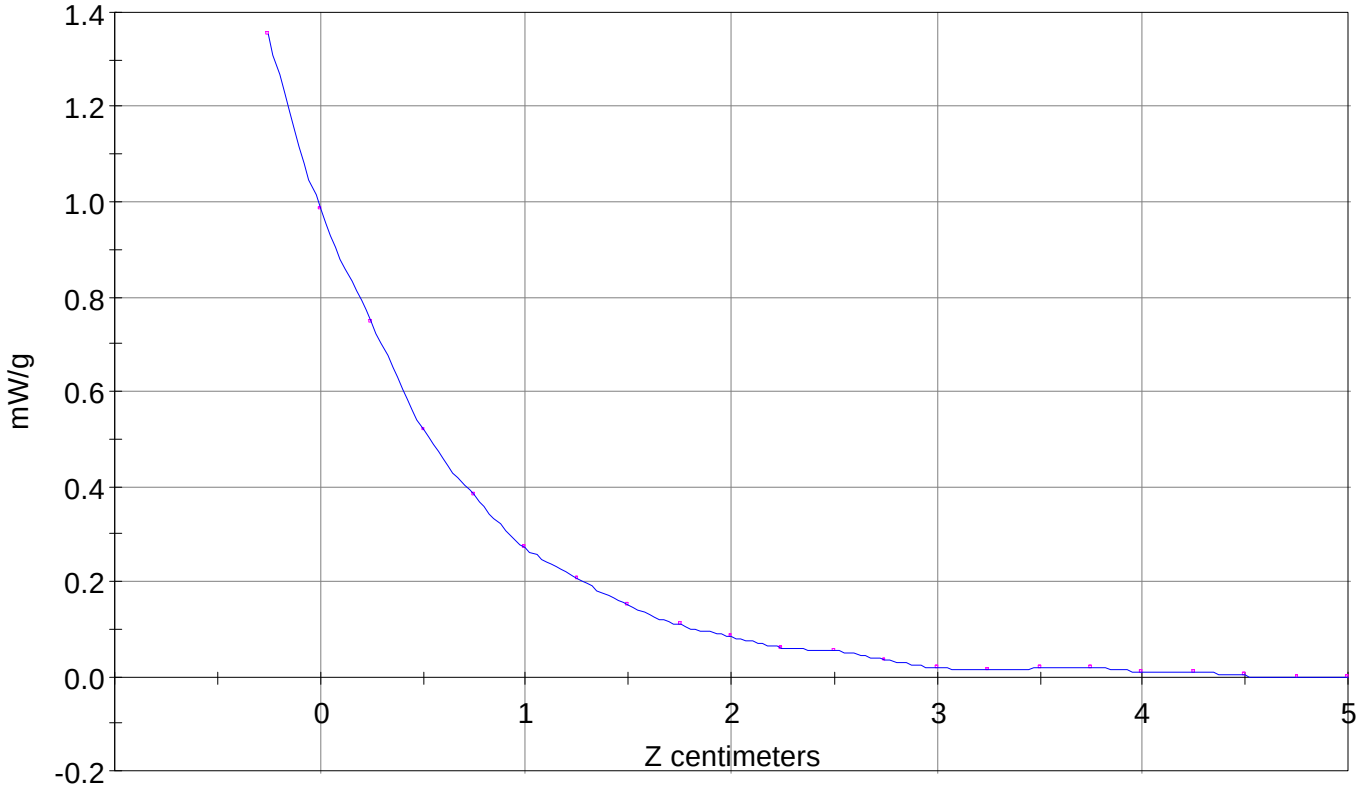
Calc. Voltage @ Surface (Vs) = 0.0106

Voltage @ 1.00 cm (Vt) = 0.0030

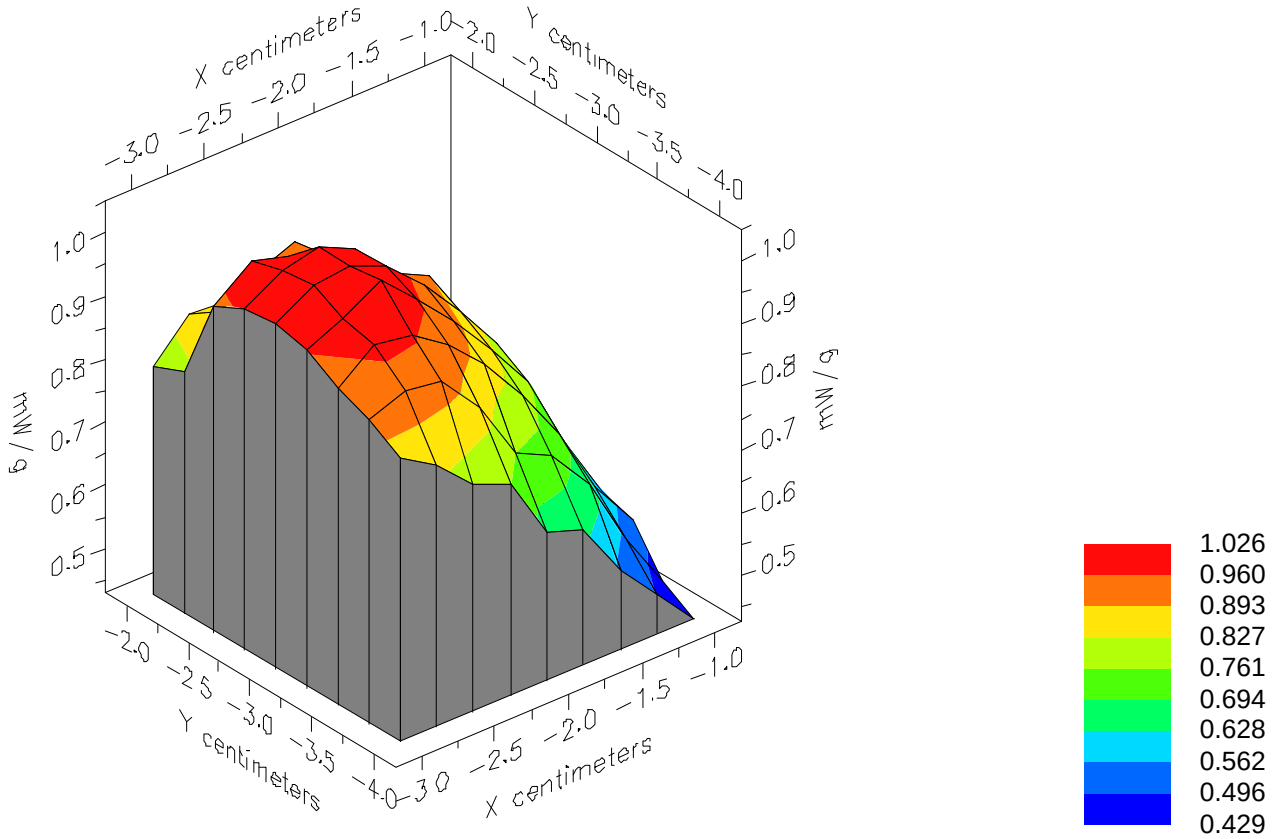
Ave. Voltage (Vs+Vt)/2 = 0.0068

Ave. SAR over 1 g (mW/g) = 0.8670

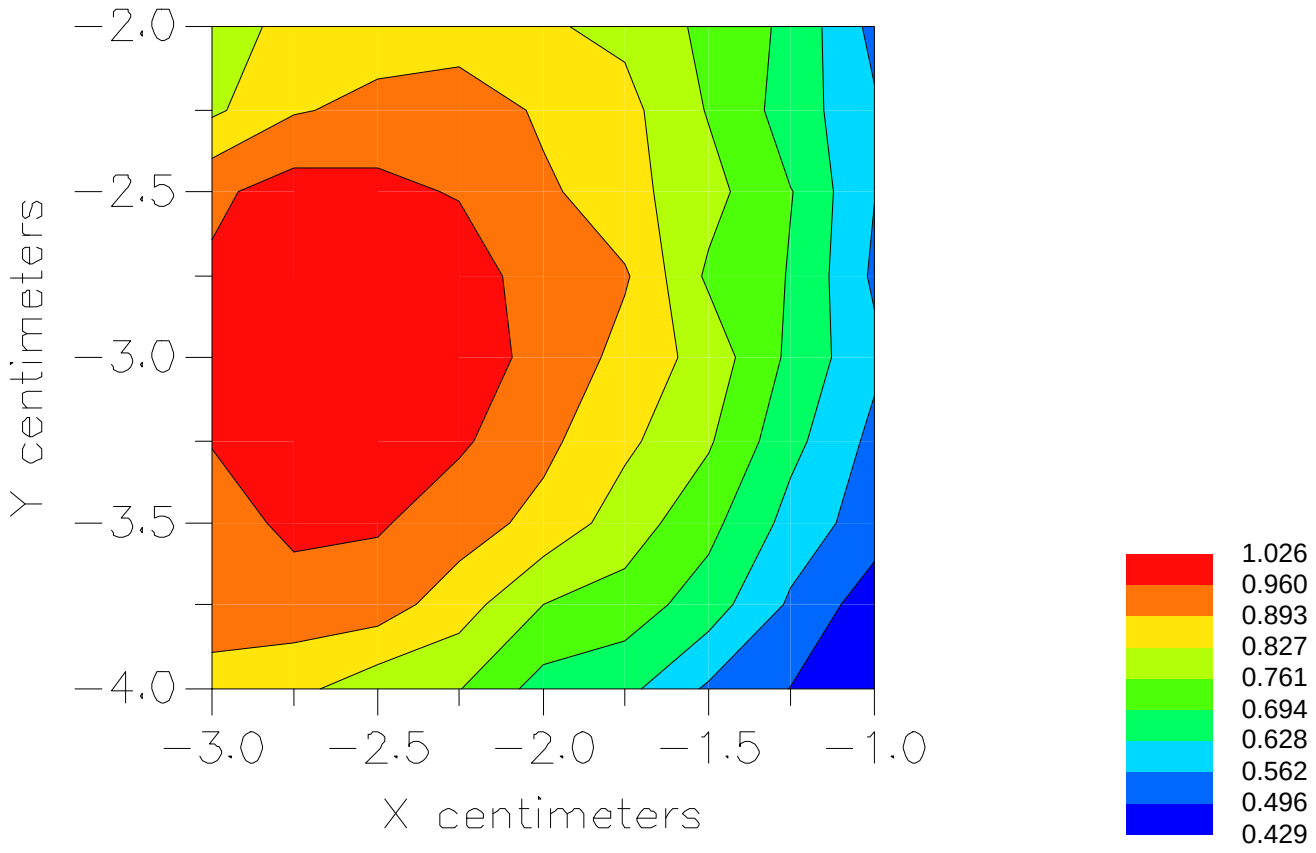
SAR Scan
File : 01042425_ZOOM
Start : 24-Apr-101 05:59:37 pm End : 24-Apr-101 06:09:31 pm
SAMSUNG/SPH-A330/2;1880.00MHz;W;Helical/In;
Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 DegreesMuscle/54.200/1.850



File : 01042425_ZOOM
Start : 24-Apr-101 05:59:37 pm End : 24-Apr-101 06:09:31 pm
SAMSUNG/SPH-A330/2;1880.00MHz;W;Helical/In;
Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 DegreesMuscle/54.200/1.850



File : 01042425_ZOOM
Start : 24-Apr-101 05:59:37 pm End : 24-Apr-101 06:09:31 pm
SAMSUNG/SPH-A330/2;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/01042421_ZOOM.VLT
Start : 24-Apr-101 05:08:59 pm End : 24-Apr-101 05:18:28 pm

Radio Type : SAMSUNG
Model Number : SPH-A330
Serial Number : 2
Frequency : 1880.00 MHz
Peak Trans. Pwr : 0.280 W
Start Trans. Pwr: 0.280 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 Conducted 24.5 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 = -4.000, Y = -3.500, Z = 0.000 (cm) Value = 9.309

Measured Values (volts) =

9.034E-003	8.087E-003	5.735E-003	4.156E-003	2.994E-003	2.078E-003
1.493E-003	1.253E-003	1.071E-003	7.919E-004	3.716E-004	2.114E-004
2.401E-004	3.381E-004	3.249E-004	1.683E-004	1.193E-004	0.000E+000
0.000E+000	0.000E+000	0.000E+000			

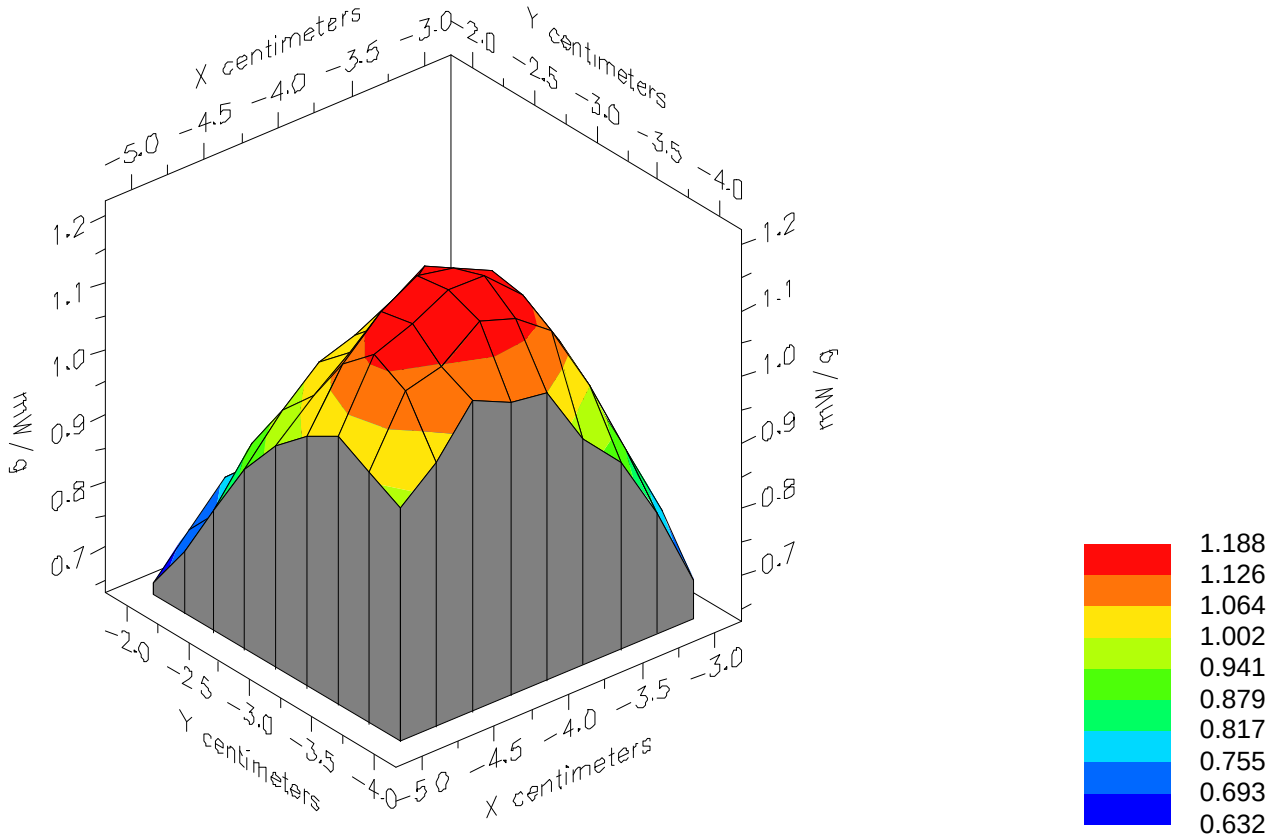
Calc. Voltage @ Surface (Vs) = 0.0114

Voltage @ 1.00 cm (Vt) = 0.0042

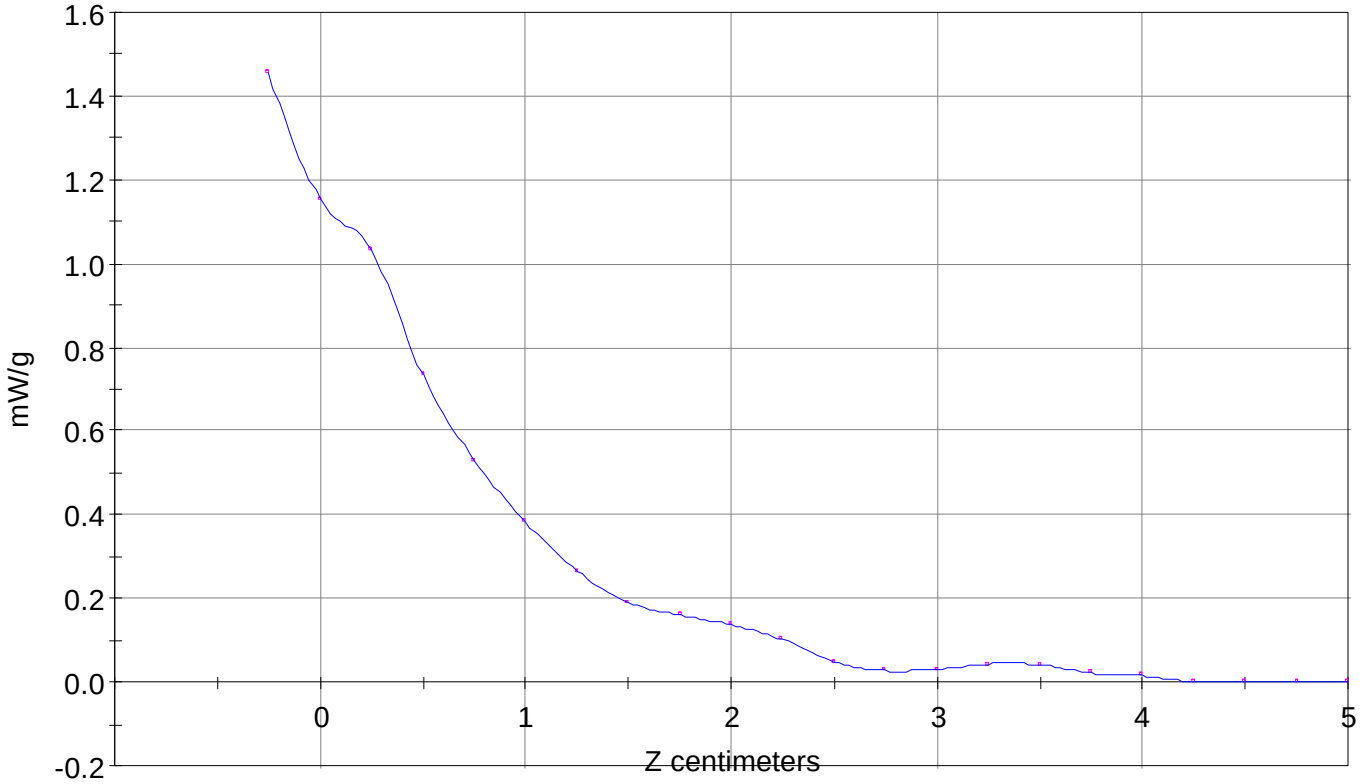
Ave. Voltage (Vs+Vt)/2 = 0.0078

Ave. SAR over 1 g (mW/g) = 0.9934

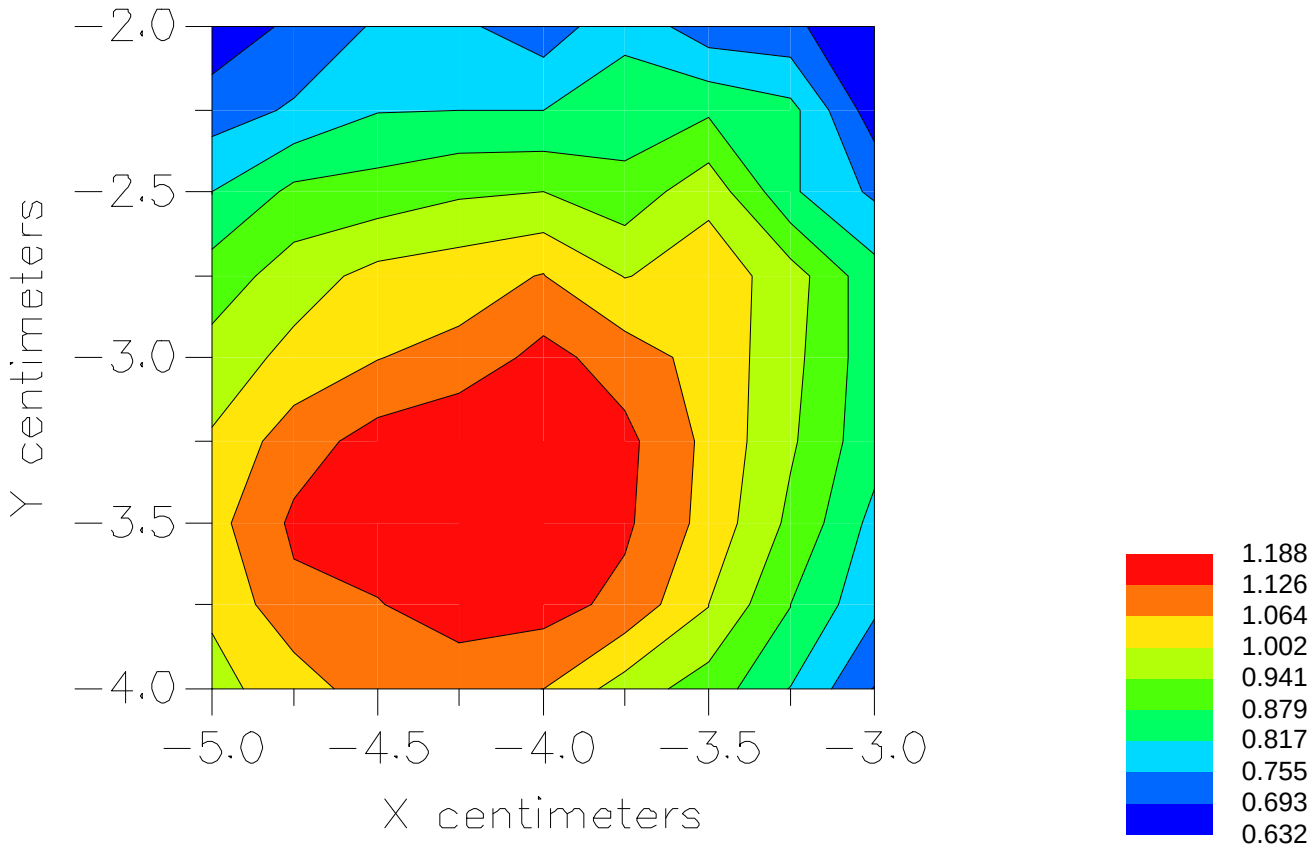
File : 01042421_ZOOM
Start : 24-Apr-101 05:08:59 pm End : 24-Apr-101 05:18:28 pm
SAMSUNG/SPH-A330/2;1880.00MHz;W;Helical/Out;
Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 DegreesMuscle/54.200/1.850



SAR Scan
File : 01042421_ZOOM
Start : 24-Apr-101 05:08:59 pm End : 24-Apr-101 05:18:28 pm
SAMSUNG/SPH-A330/2;1880.00MHz;W;Helical/Out;
Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 DegreesMuscle/54.200/1.850



File : 01042421_ZOOM
Start : 24-Apr-101 05:08:59 pm End : 24-Apr-101 05:18:28 pm
SAMSUNG/SPH-A330/2;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/01042511_ZOOM.VLT
Start : 25-Apr-101 11:28:10 am End : 25-Apr-101 11:38:04 am

Radio Type : SAMSUNG
Model Number : SPH-A330
Serial Number : 2
Frequency : 1908.75 MHz
Peak Trans. Pwr : 0.280 W
Start Trans. Pwr: 0.280 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 24.5 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 = -2.500, Y = -3.250, Z = 0.000 (cm) Value = 7.739

Measured Values (volts) =

7.731E-003	5.843E-003	4.097E-003	2.876E-003	2.093E-003	1.596E-003
1.139E-003	7.882E-004	6.264E-004	4.859E-004	4.177E-004	2.504E-004
1.065E-004	1.368E-004	1.167E-004	1.095E-004	6.658E-005	4.075E-005
0.000E+000	0.000E+000	0.000E+000			

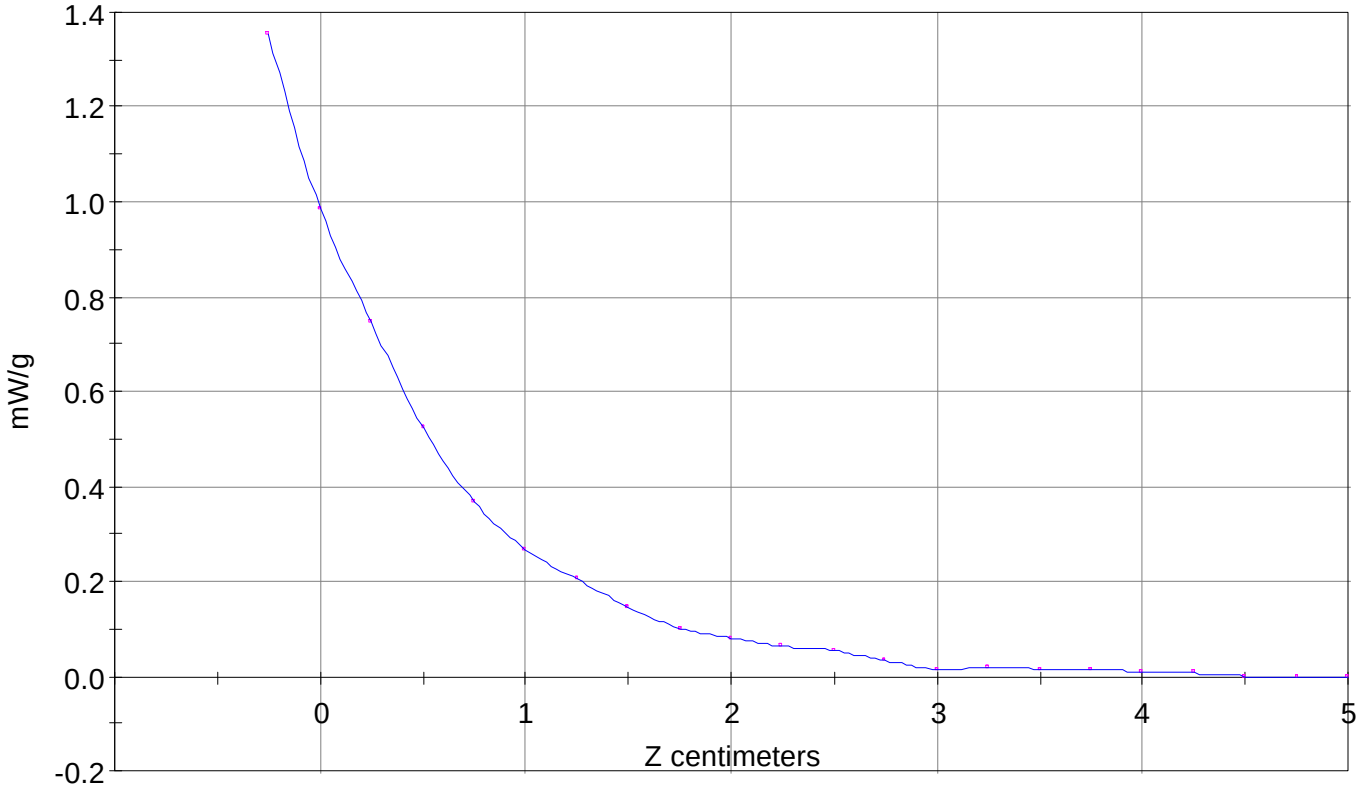
Calc. Voltage @ Surface (Vs) = 0.0106

Voltage @ 1.00 cm (Vt) = 0.0029

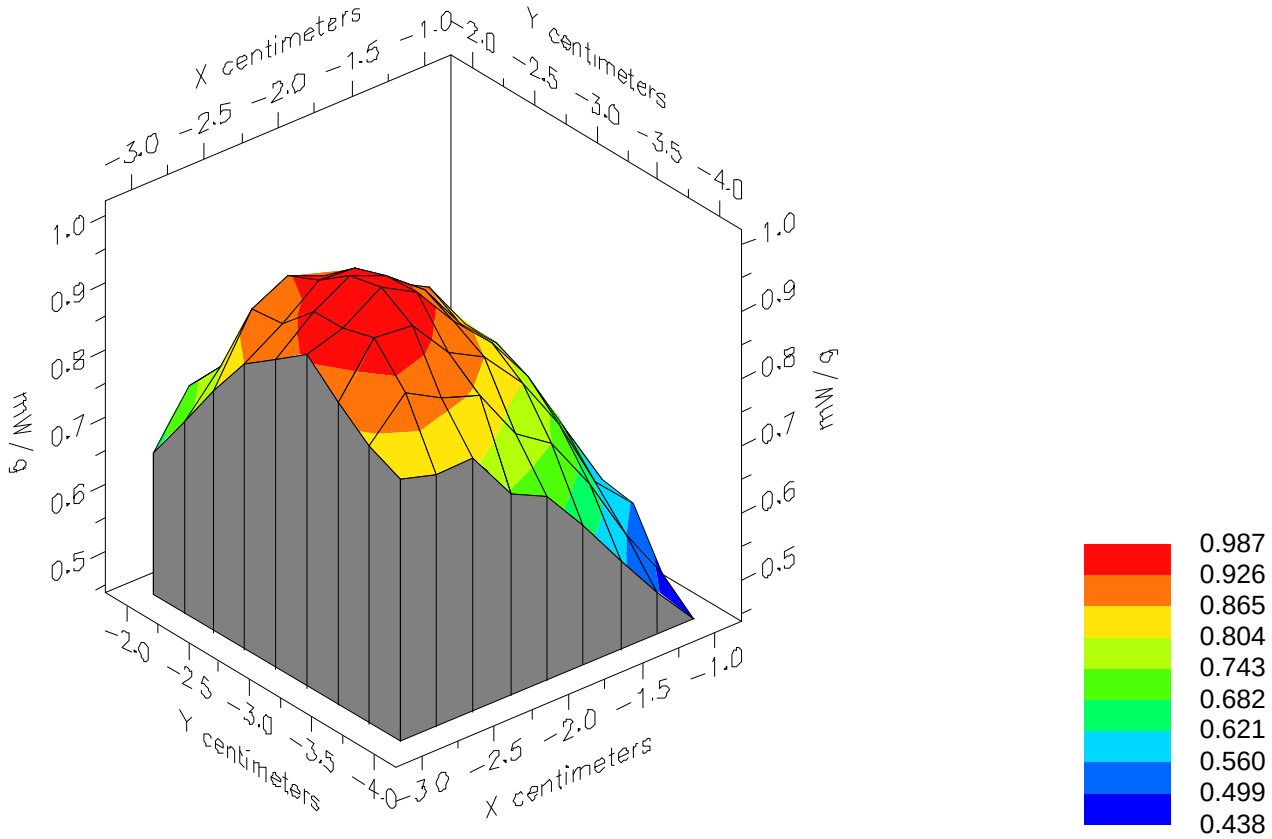
Ave. Voltage (Vs+Vt)/2 = 0.0068

Ave. SAR over 1 g (mW/g) = 0.8616

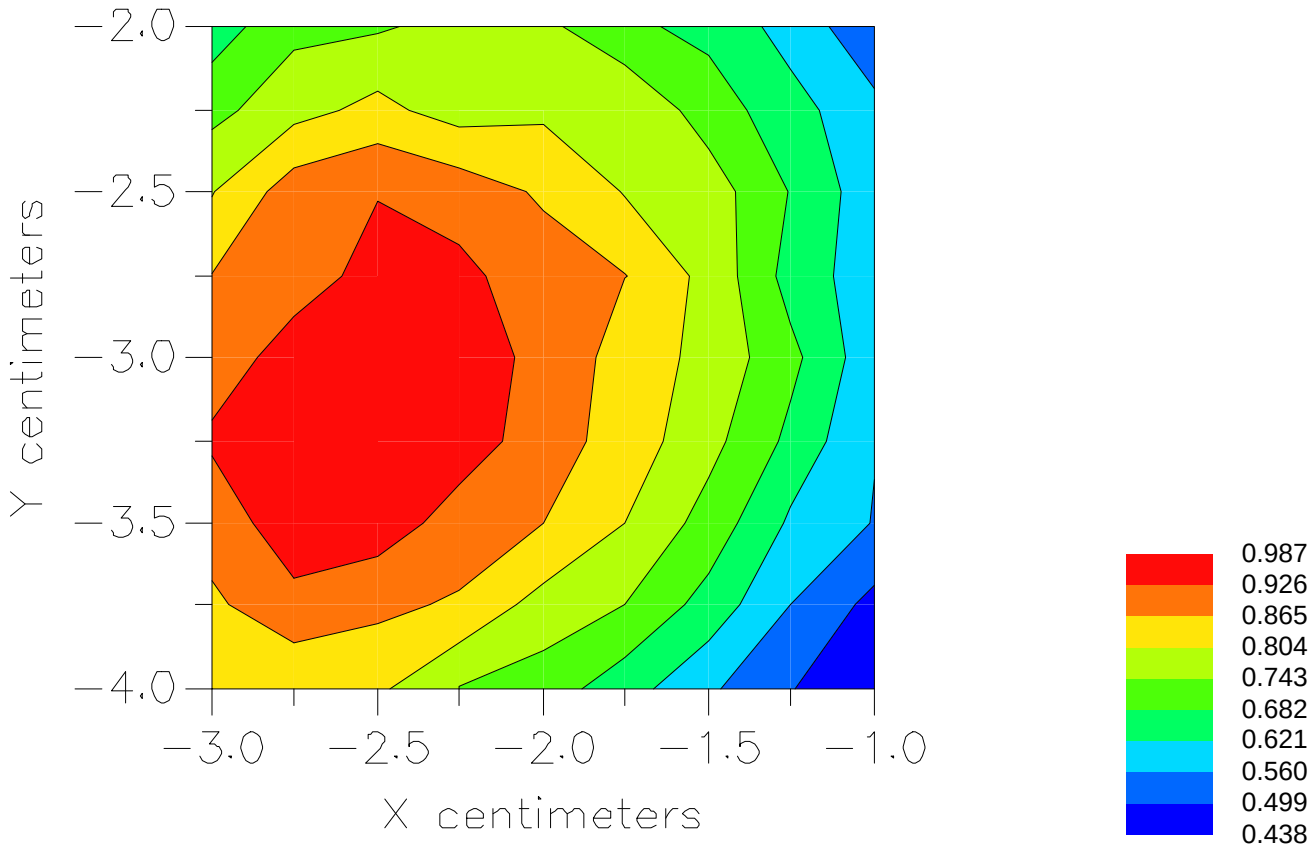
SAR Scan
File : 01042511_ZOOM
Start : 25-Apr-101 11:28:10 am End : 25-Apr-101 11:38:04 am
SAMSUNG/SPH-A330/2;1908.75MHz;W;Helical/In;
Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 DegreesMuscle/54.200/1.850



File : 01042511_ZOOM
Start : 25-Apr-101 11:28:10 am End : 25-Apr-101 11:38:04 am
SAMSUNG/SPH-A330/2;1908.75MHz;W;Helical/In;
Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 DegreesMuscle/54.200/1.850



File : 01042511_ZOOM
Start : 25-Apr-101 11:28:10 am End : 25-Apr-101 11:38:04 am
SAMSUNG/SPH-A330/2;1908.75MHz;W;Helical/In;
Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 DegreesMuscle/54.200/1.850



File : c:/idx3/SYSTEM/SARMEAS3/data/Normal/01042509_ZOOM.VLT
Start : 25-Apr-101 10:54:55 am End : 25-Apr-101 11:02:36 am

Radio Type : SAMSUNG
Model Number : SPH-A330
Serial Number : 2
Frequency : 1908.75 MHz
Peak Trans. Pwr : 0.280 W
Start Trans. Pwr: 0.280 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 1175 24.5 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 = -4.250, Y = -3.500, Z = 0.000 (cm) Value = 9.845

Measured Values (volts) =

9.469E-003	7.374E-003	5.284E-003	3.684E-003	2.493E-003	1.861E-003
1.503E-003	1.192E-003	9.313E-004	5.637E-004	2.830E-004	2.690E-004
3.434E-004	3.714E-004	2.256E-004	8.267E-005	1.227E-005	0.000E+000
0.000E+000	0.000E+000	0.000E+000			

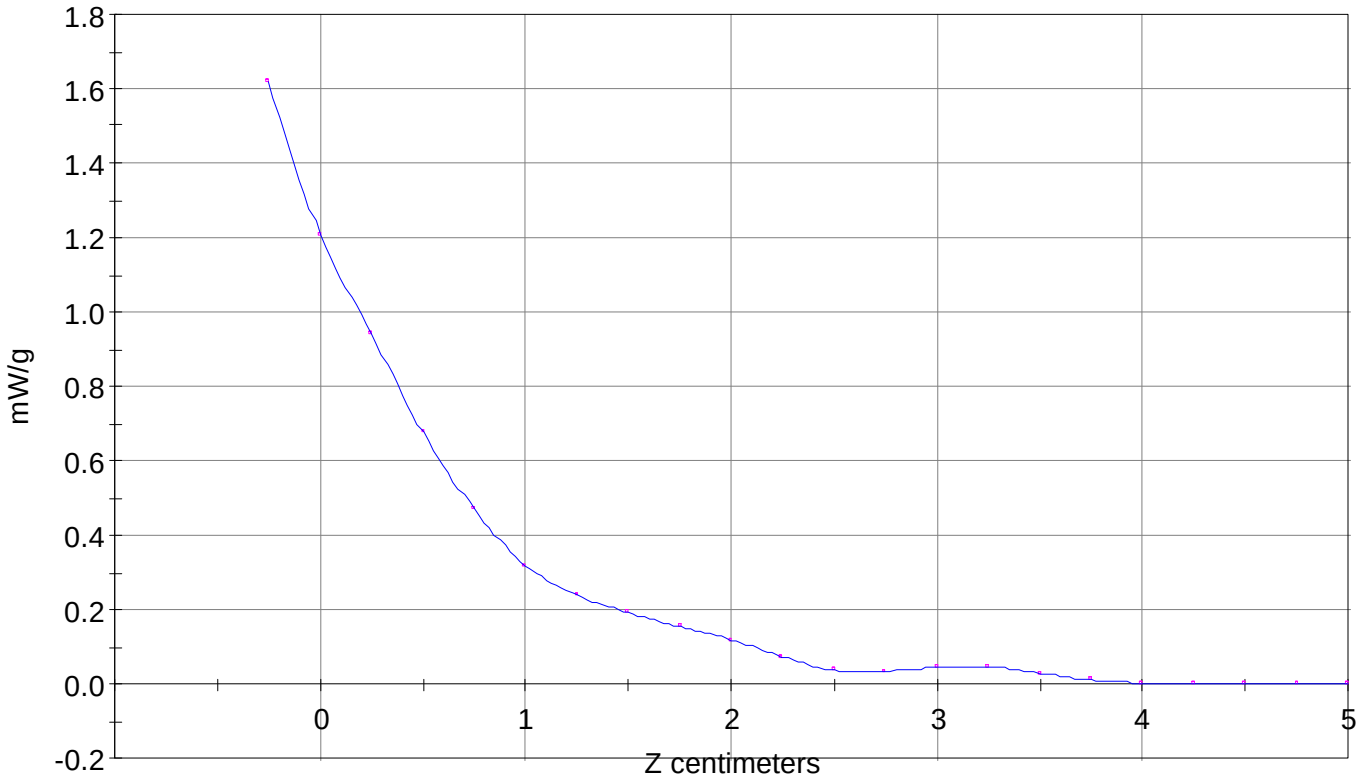
Calc. Voltage @ Surface (Vs) = 0.0127

Voltage @ 1.00 cm (Vt) = 0.0037

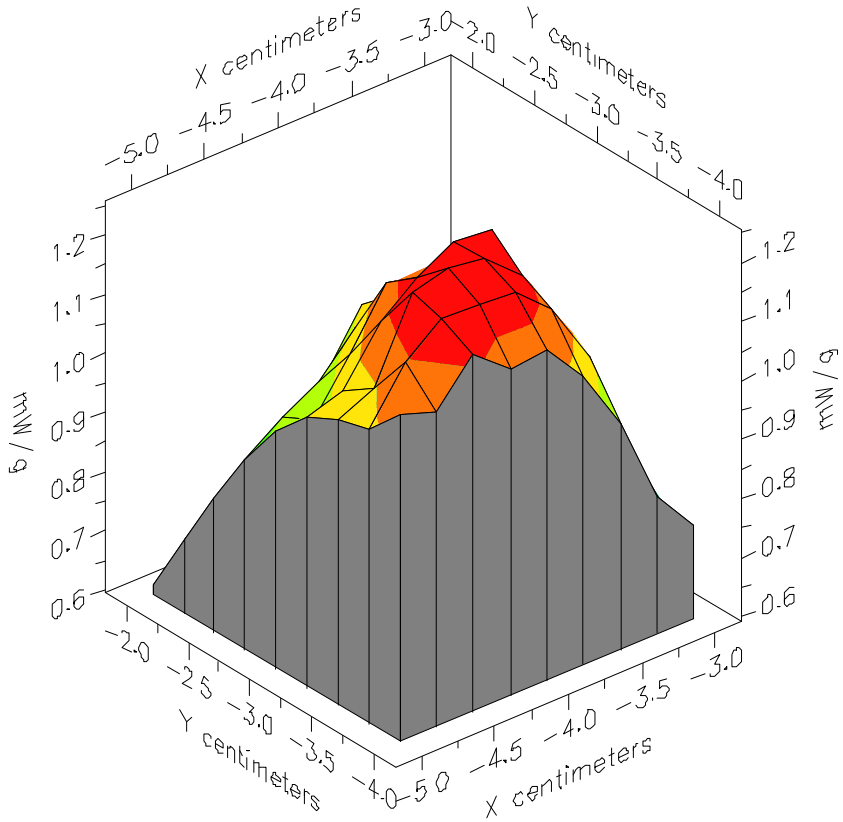
Ave. Voltage (Vs+Vt)/2 = 0.0082

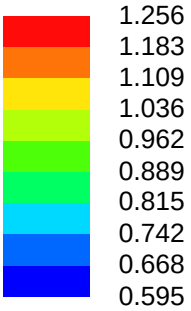
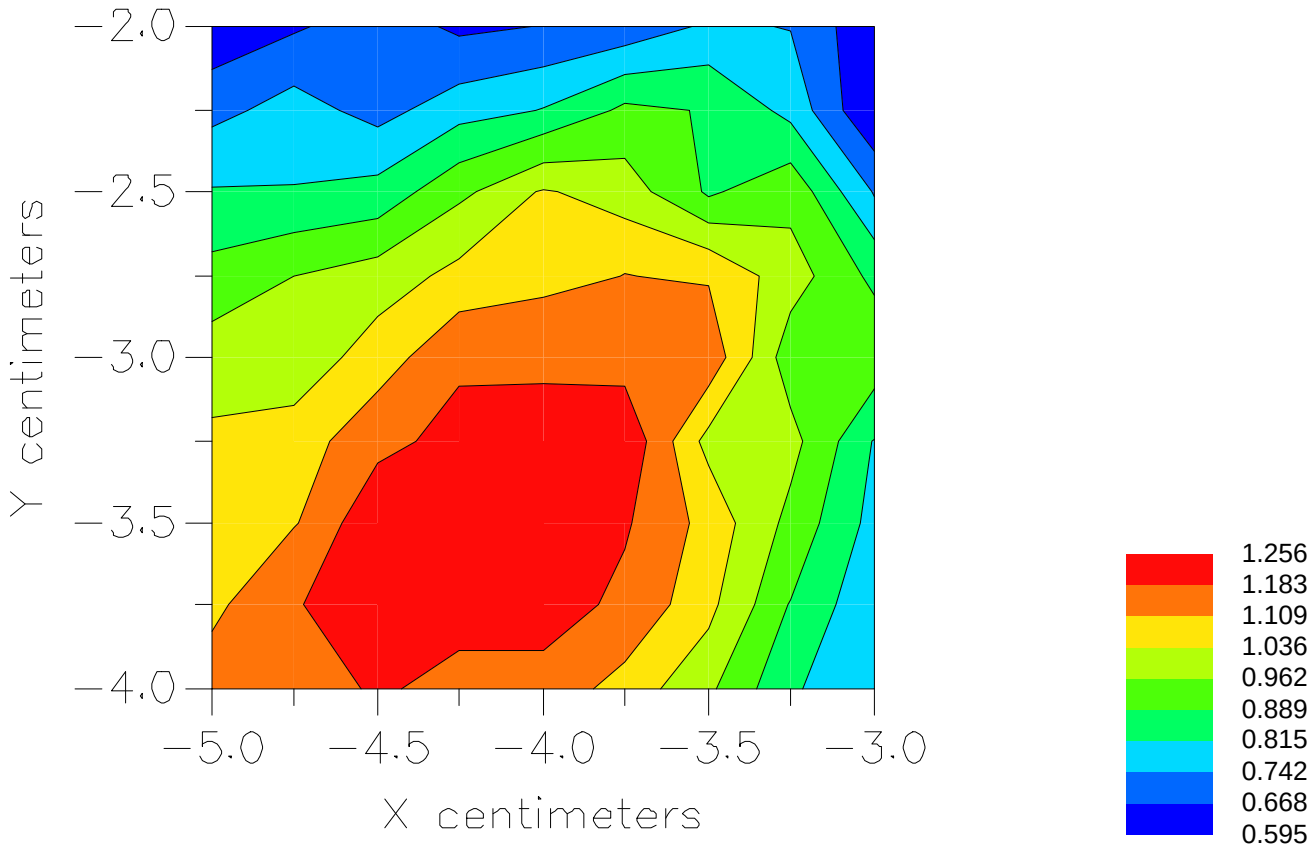
Ave. SAR over 1 g (mW/g) = 1.0444

SAR Scan
File : 01042509_ZOOM
Start : 25-Apr-101 10:54:55 am End : 25-Apr-101 11:02:36 am
SAMSUNG/SPH-A330/2;1908.75MHz;W;Helical/Out;
Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 DegreesMuscle/54.200/1.850



File : 01042509_ZOOM
Start : 25-Apr-101 10:54:55 am End : 25-Apr-101 11:02:36 am
SAMSUNG/SPH-A330/2;1908.75MHz;W;Helical/Out;
Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 DegreesMuscle/54.200/1.850





File : 01042509_ZOOM
Start : 25-Apr-101 10:54:55 am End : 25-Apr-101 11:02:36 am
SAMSUNG/SPH-A330/2;1908.75MHz;W;Helical/Out;
Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 DegreesMuscle/54.200/1.850