ATTACHMENT O – SAR TEST DATA

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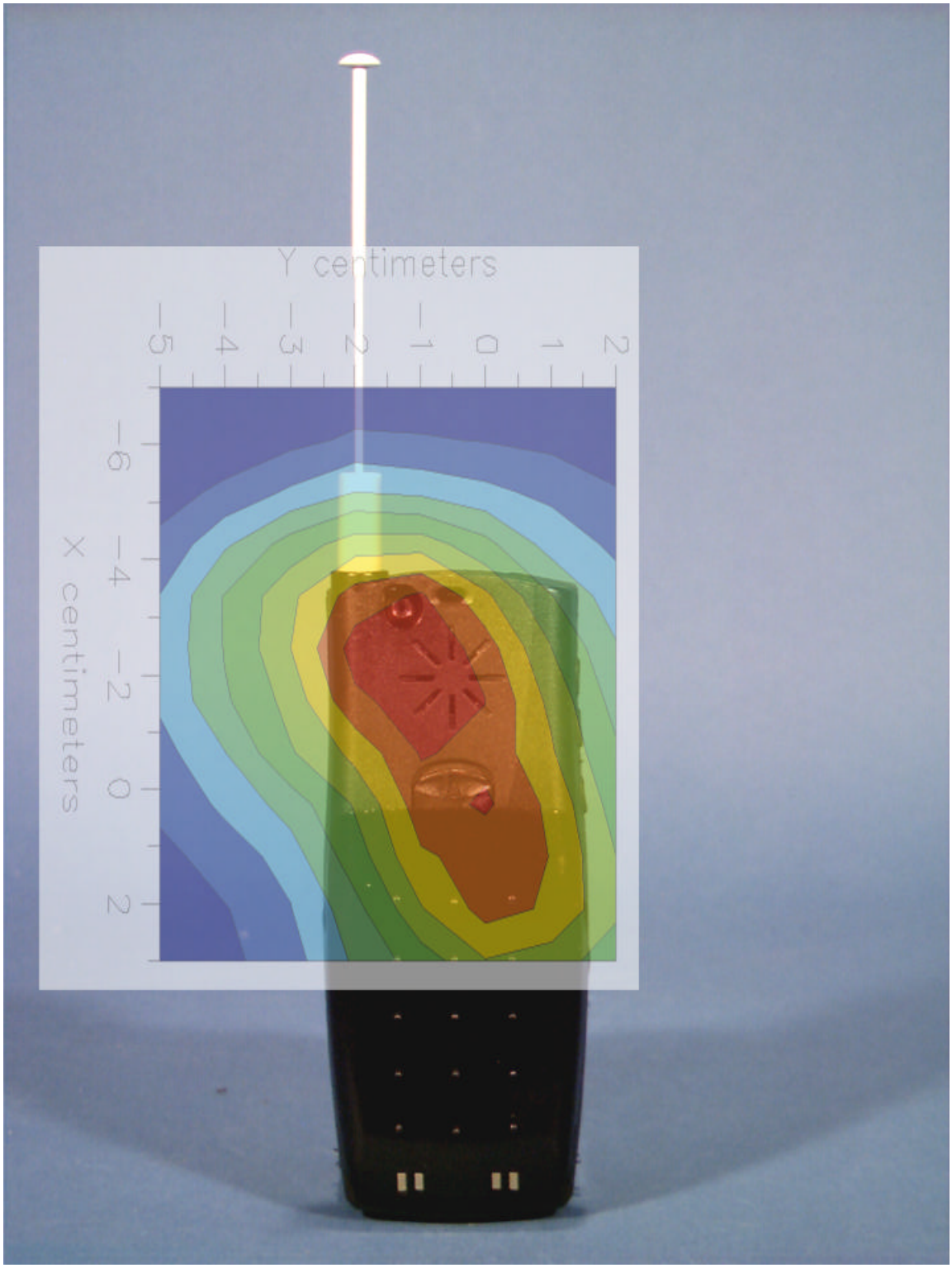
800 MHz Body SAR



File : c:/idx3/SYSTEM/SARMEAS3/data/Normal/01011216_ZOOM.VLT
Start : 12-Jan-101 02:45:35 pm End : 12-Jan-101 02:55:43 pm

Radio Type : LGE
Model Number : LG-TM220
Serial Number : 2
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 :
LGE TRI-MODE PHONE - AMPS MODE
CHAN 0991 Conducted 26.5 dBm
LGE 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 = -2.500, Y = -1.750, Z = 0.000 (cm) Value = 12.498

Measured Values (volts) =

1.208E-002	1.064E-002	9.382E-003	8.065E-003	6.636E-003	4.975E-003
3.506E-003	2.314E-003	1.696E-003	1.561E-003	1.943E-003	2.596E-003
3.127E-003	3.235E-003	2.622E-003	1.776E-003	1.520E-003	6.283E-004
4.864E-004	4.227E-004	3.516E-004			

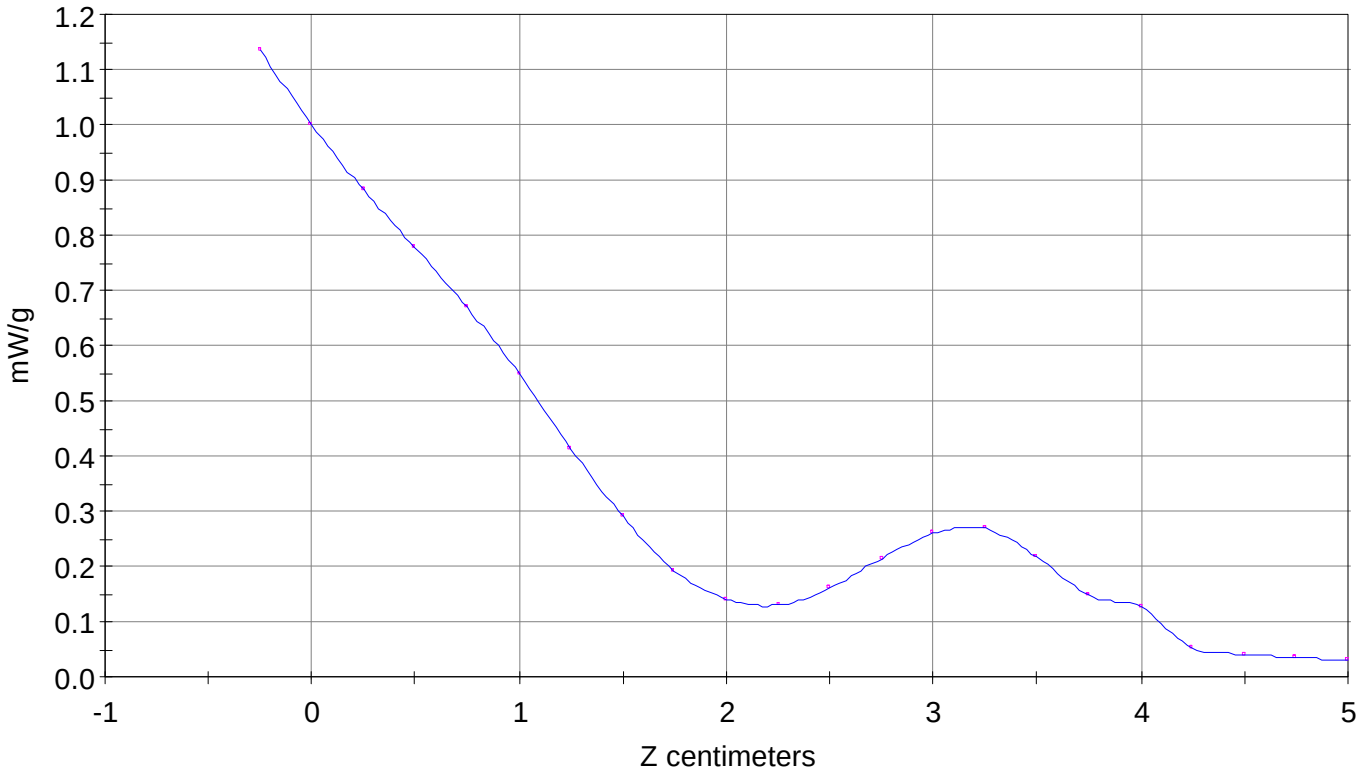
Calc. Voltage @ Surface (Vs) = 0.0137

Voltage @ 1.00 cm (Vt) = 0.0081

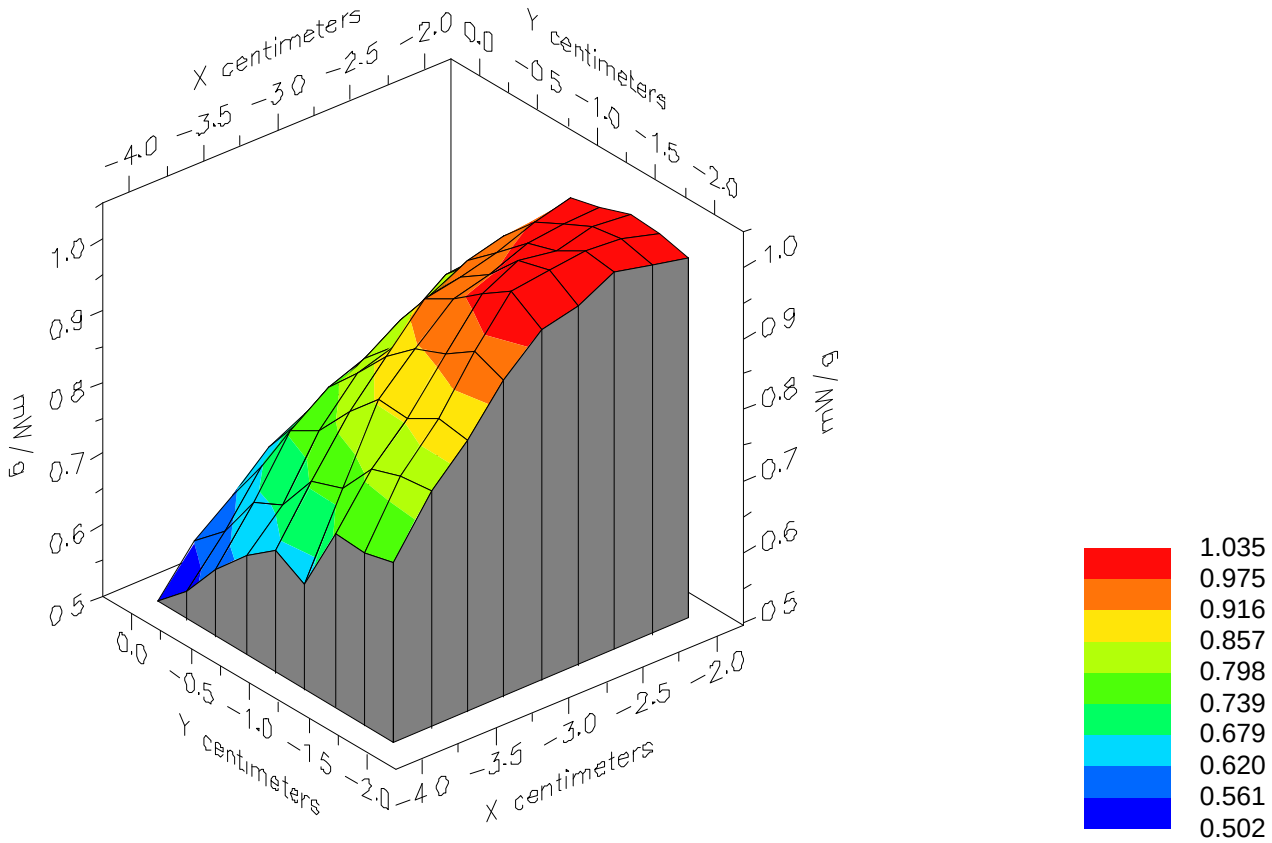
Ave. Voltage (Vs+Vt)/2 = 0.0109

Ave. SAR over 1 g (mW/g) = 0.9011

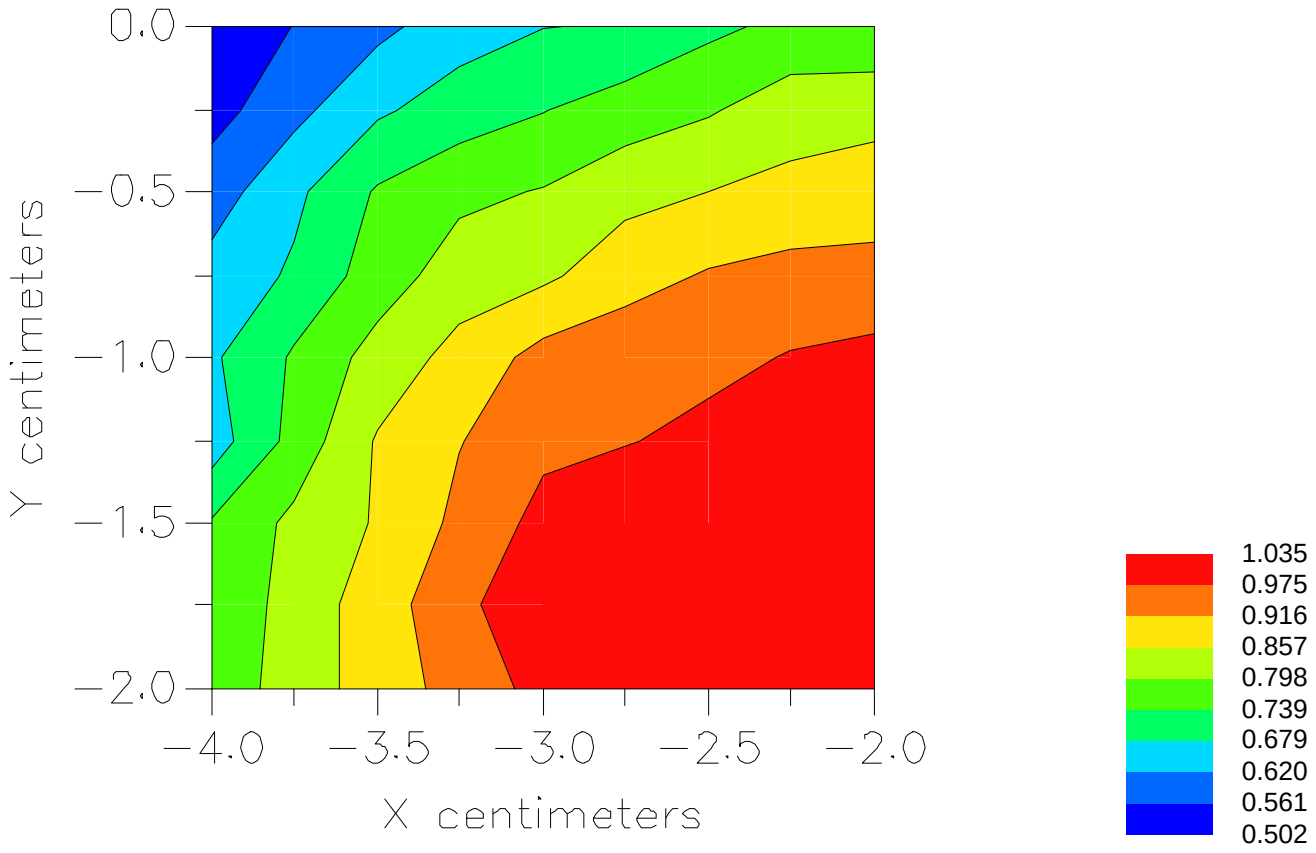
SAR Scan
File : 01011216_ZOOM
Start : 12-Jan-101 02:45:35 pm End : 12-Jan-101 02:55:43 pm
LGE/LG-TM220/2;824.04MHz;W;Helical/In;
Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 DegreesMuscle/51.700/1.100



File : 01011216_ZOOM
Start : 12-Jan-101 02:45:35 pm End : 12-Jan-101 02:55:43 pm
LGE/LG-TM220/2;824.04MHz;W;Helical/In;
Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 DegreesMuscle/51.700/1.100



File : 01011216_ZOOM
Start : 12-Jan-101 02:45:35 pm End : 12-Jan-101 02:55:43 pm
LGE/LG-TM220/2;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/01011213_ZOOM.VLT
Start : 12-Jan-101 02:33:12 pm End : 12-Jan-101 02:43:20 pm

Radio Type : LGE
Model Number : LG-TM220
Serial Number : 2
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 :
LGE TRI-MODE PHONE - AMPS MODE
CHAN 0991 Conducted 26.5 dBm
LGE 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 = -3.000, Y = -1.750, Z = 0.000 (cm) Value = 15.553

Measured Values (volts) =

1.506E-002	1.298E-002	1.111E-002	9.275E-003	7.284E-003	5.343E-003
3.753E-003	2.589E-003	2.177E-003	2.392E-003	2.982E-003	3.659E-003
4.096E-003	3.811E-003	2.785E-003	2.466E-003	1.076E-003	8.356E-004
6.986E-004	5.862E-004	5.042E-004			

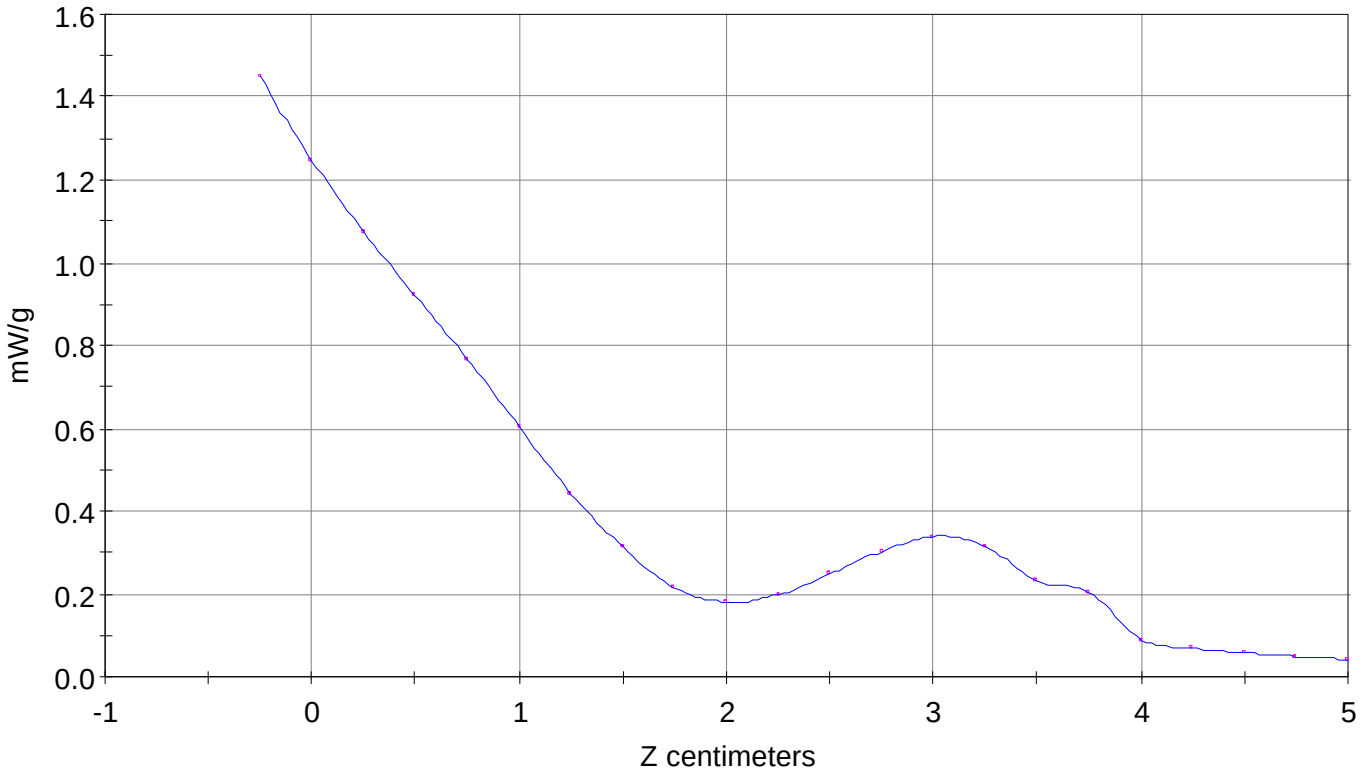
Calc. Voltage @ Surface (Vs) = 0.0175

Voltage @ 1.00 cm (Vt) = 0.0093

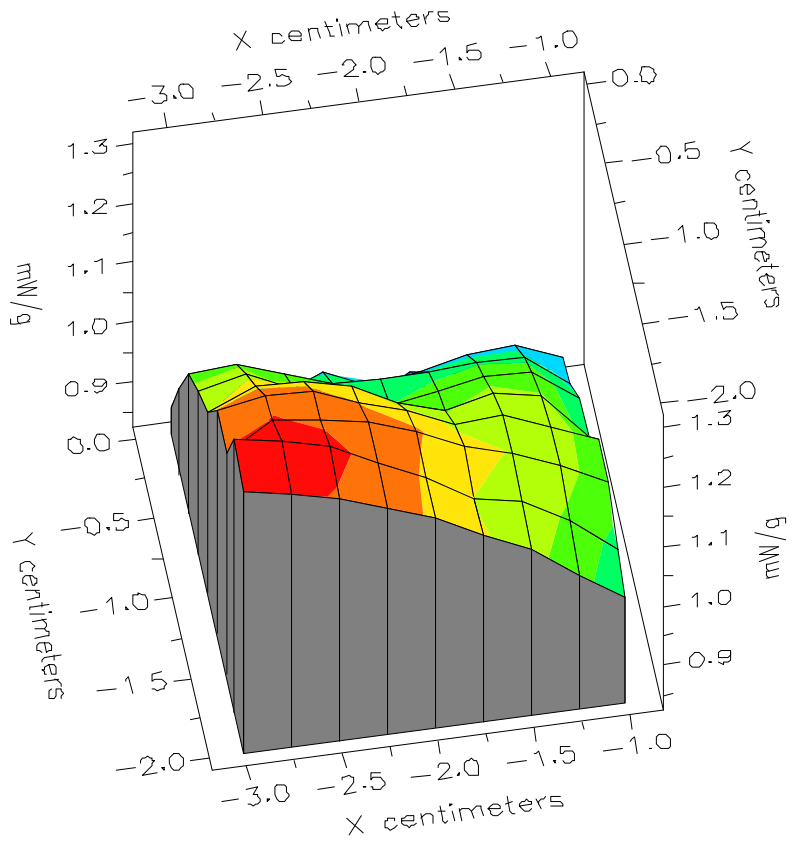
Ave. Voltage (Vs+Vt)/2 = 0.0134

Ave. SAR over 1 g (mW/g) = 1.1094

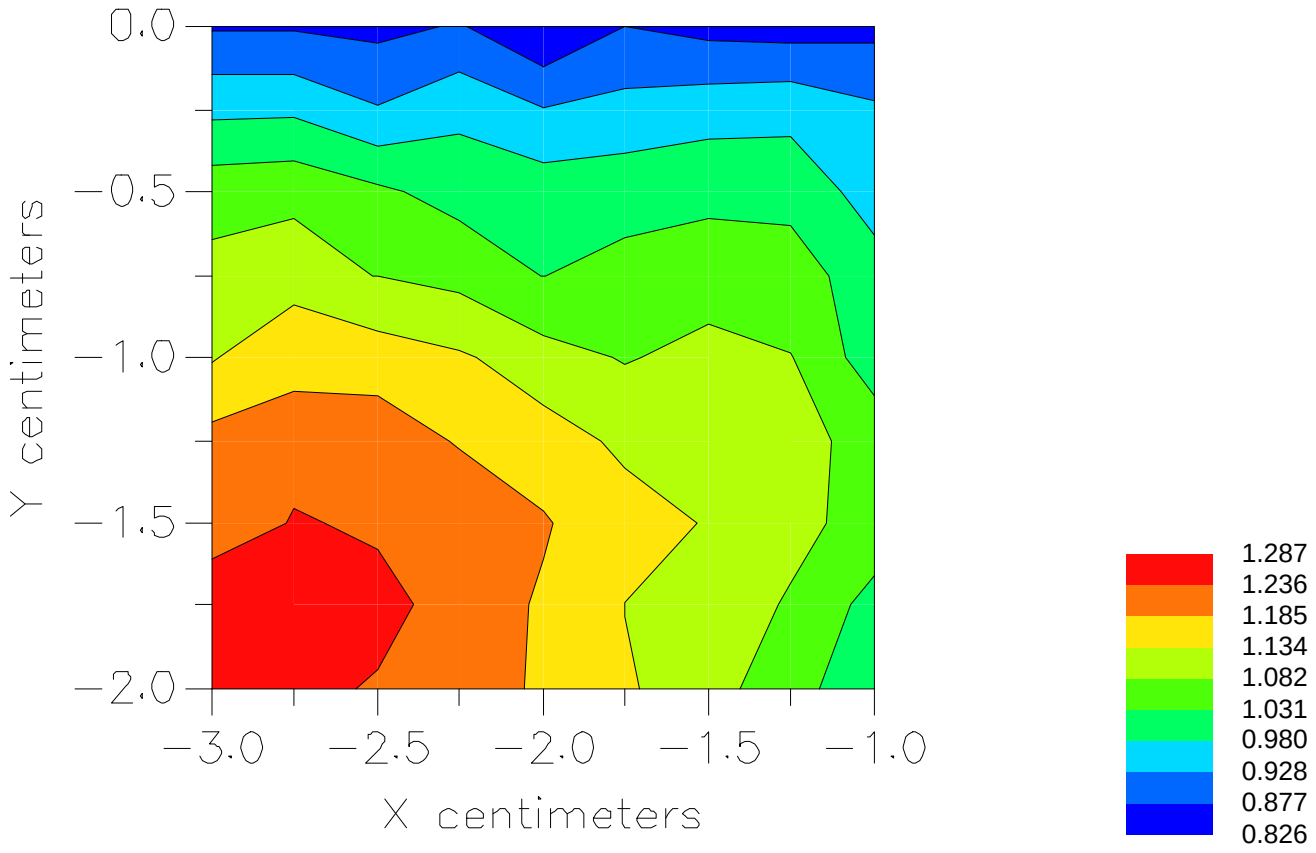
SAR Scan
File : 01011213_ZOOM
Start : 12-Jan-101 02:33:12 pm End : 12-Jan-101 02:43:20 pm
LGE/LG-TM220/2;824.04MHz;W;Helical/Out;
Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 DegreesMuscle/51.700/1.100



File : 01011213_ZOOM
Start : 12-Jan-101 02:33:12 pm End : 12-Jan-101 02:43:20 pm
LGE/LG-TM220/2;824.04MHz;W;Helical/Out;
Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 DegreesMuscle/51.700/1.100



File : 01011213_ZOOM
Start : 12-Jan-101 02:33:12 pm End : 12-Jan-101 02:43:20 pm
LGE/LG-TM220/2;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/01011209_ZOOM.VLT
Start : 12-Jan-101 02:05:14 pm End : 12-Jan-101 02:15:38 pm

Radio Type : LGE
Model Number : LG-TM220
Serial Number : 2
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 :
LGE TRI-MODE PHONE - AMPS MODE
CHAN 0383 Conducted 26.5 dBm
LGE 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 = -2.750, Y = -1.750, Z = 0.000 (cm) Value = 11.980

Measured Values (volts) =

1.127E-002	9.324E-003	7.984E-003	6.719E-003	5.411E-003	3.968E-003
2.747E-003	1.878E-003	1.385E-003	1.405E-003	1.767E-003	2.215E-003
2.540E-003	2.403E-003	1.758E-003	1.176E-003	5.325E-004	4.534E-004
3.533E-004	2.951E-004	2.625E-004			

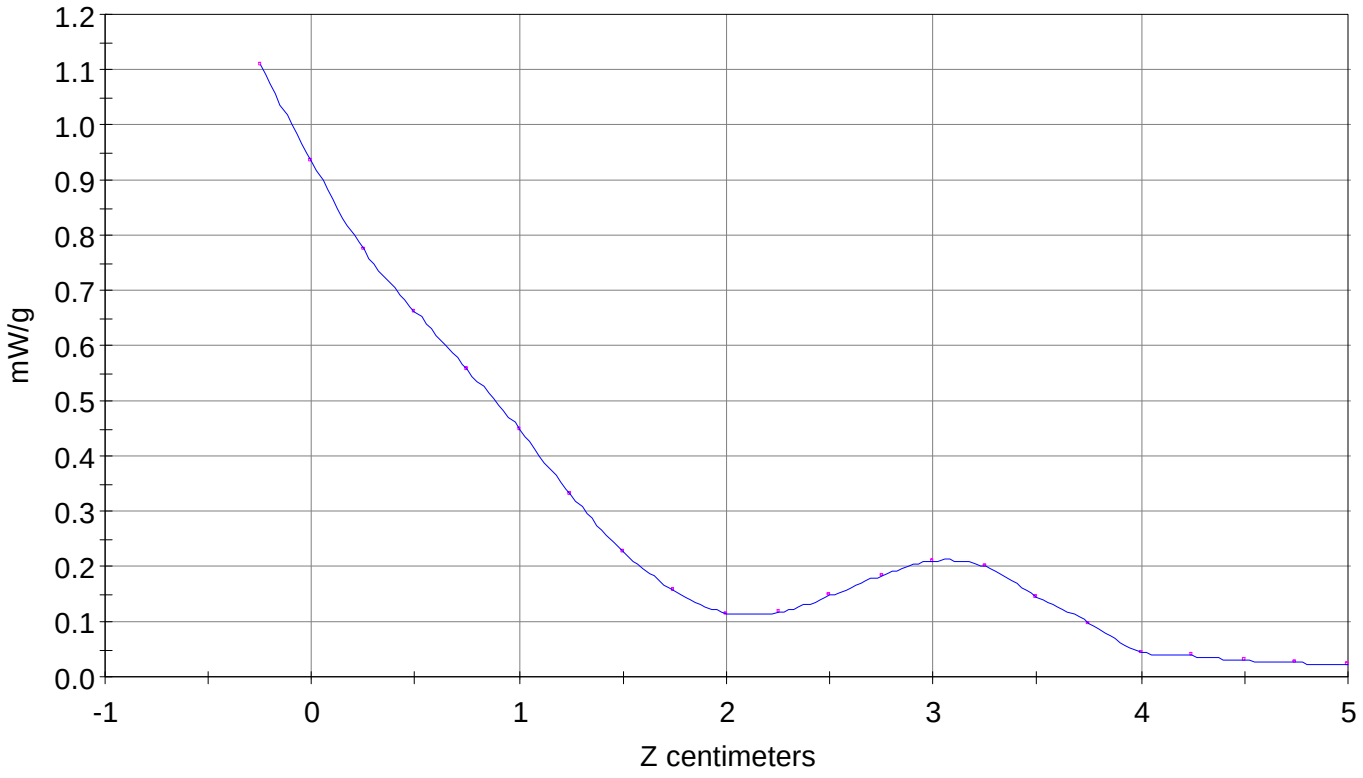
Calc. Voltage @ Surface (Vs) = 0.0134

Voltage @ 1.00 cm (Vt) = 0.0067

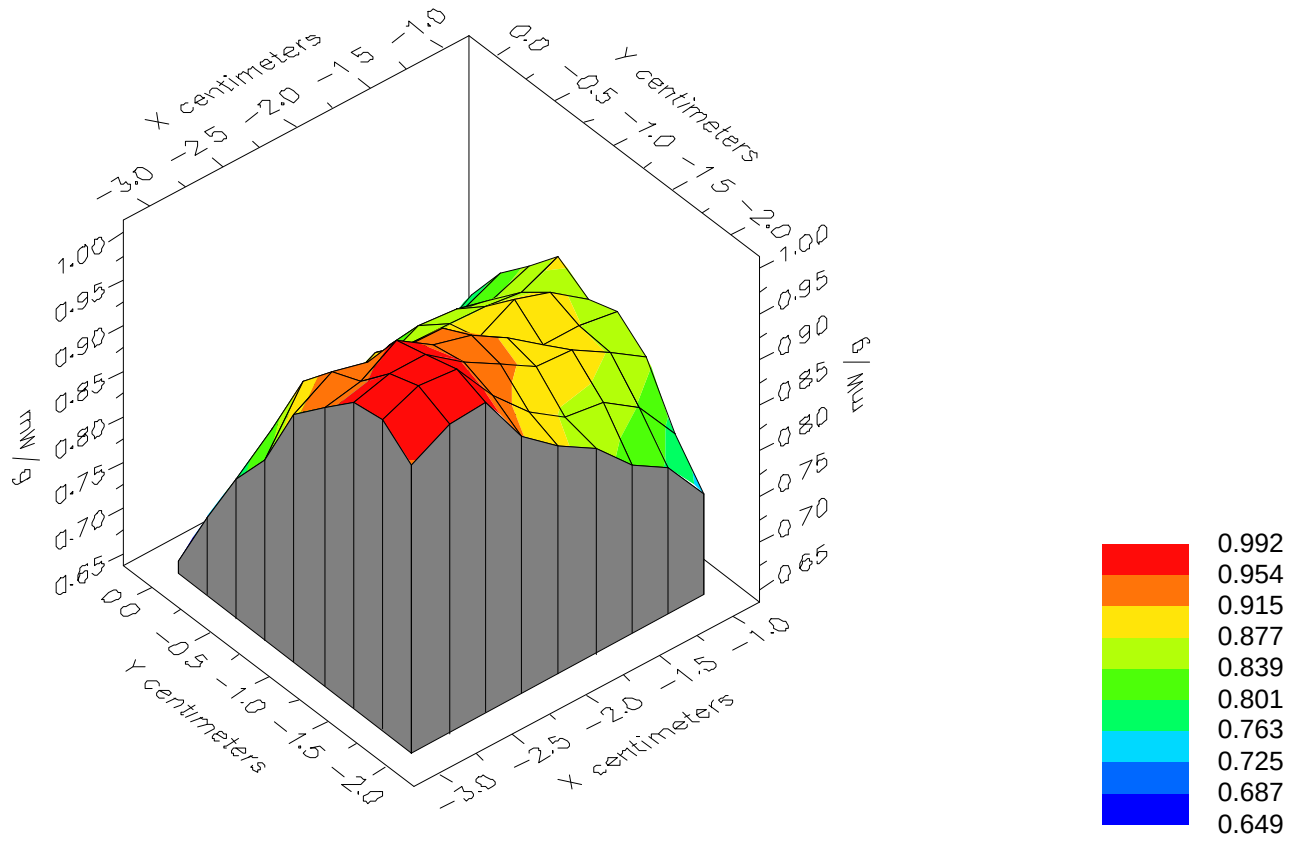
Ave. Voltage (Vs+Vt)/2 = 0.0101

Ave. SAR over 1 g (mW/g) = 0.8324

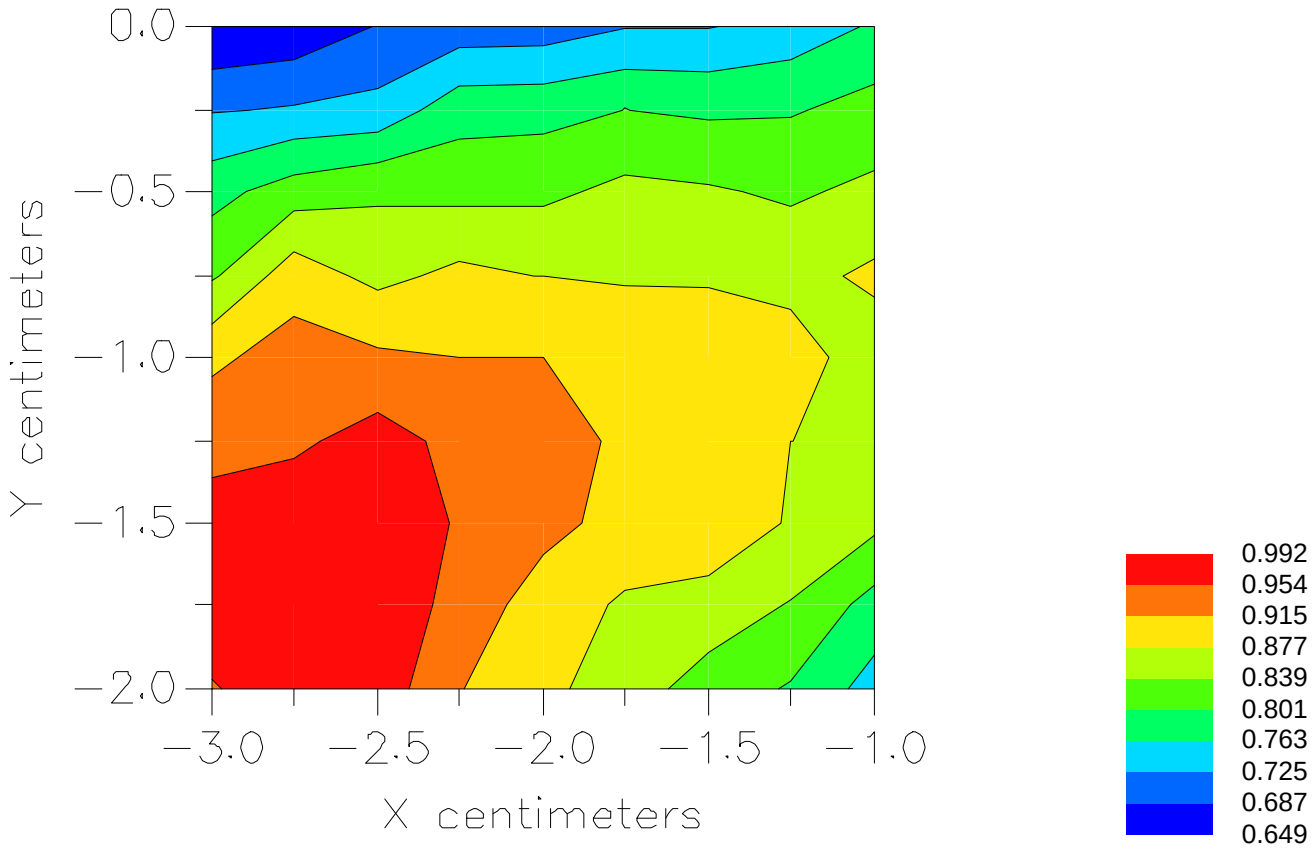
SAR Scan
File : 01011209_ZOOM
Start : 12-Jan-101 02:05:14 pm End : 12-Jan-101 02:15:38 pm
LGE/LG-TM220/2;836.49MHz;W;Helical/In;
Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 DegreesMuscle/51.700/1.100



File : 01011209_ZOOM
Start : 12-Jan-101 02:05:14 pm End : 12-Jan-101 02:15:38 pm
LGE/LG-TM220/2;836.49MHz;W;Helical/In;
Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 DegreesMuscle/51.700/1.100



File : 01011209_ZOOM
Start : 12-Jan-101 02:05:14 pm End : 12-Jan-101 02:15:38 pm
LGE/LG-TM220/2;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/01011211_ZOOM.VLT
Start : 12-Jan-101 02:17:02 pm End : 12-Jan-101 02:27:30 pm

Radio Type : LGE
Model Number : LG-TM220
Serial Number : 2
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 :
LGE TRI-MODE PHONE - AMPS MODE
CHAN 0383 Conducted 26.5 dBm
LGE 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 = -2.750, Y = -1.500, Z = 0.000 (cm) Value = 11.992

Measured Values (volts) =

1.215E-002	1.109E-002	9.862E-003	8.615E-003	7.059E-003	5.527E-003
3.970E-003	2.785E-003	2.106E-003	2.004E-003	2.367E-003	3.075E-003
3.700E-003	3.823E-003	3.158E-003	2.280E-003	2.109E-003	7.925E-004
6.760E-004	5.418E-004	4.608E-004			

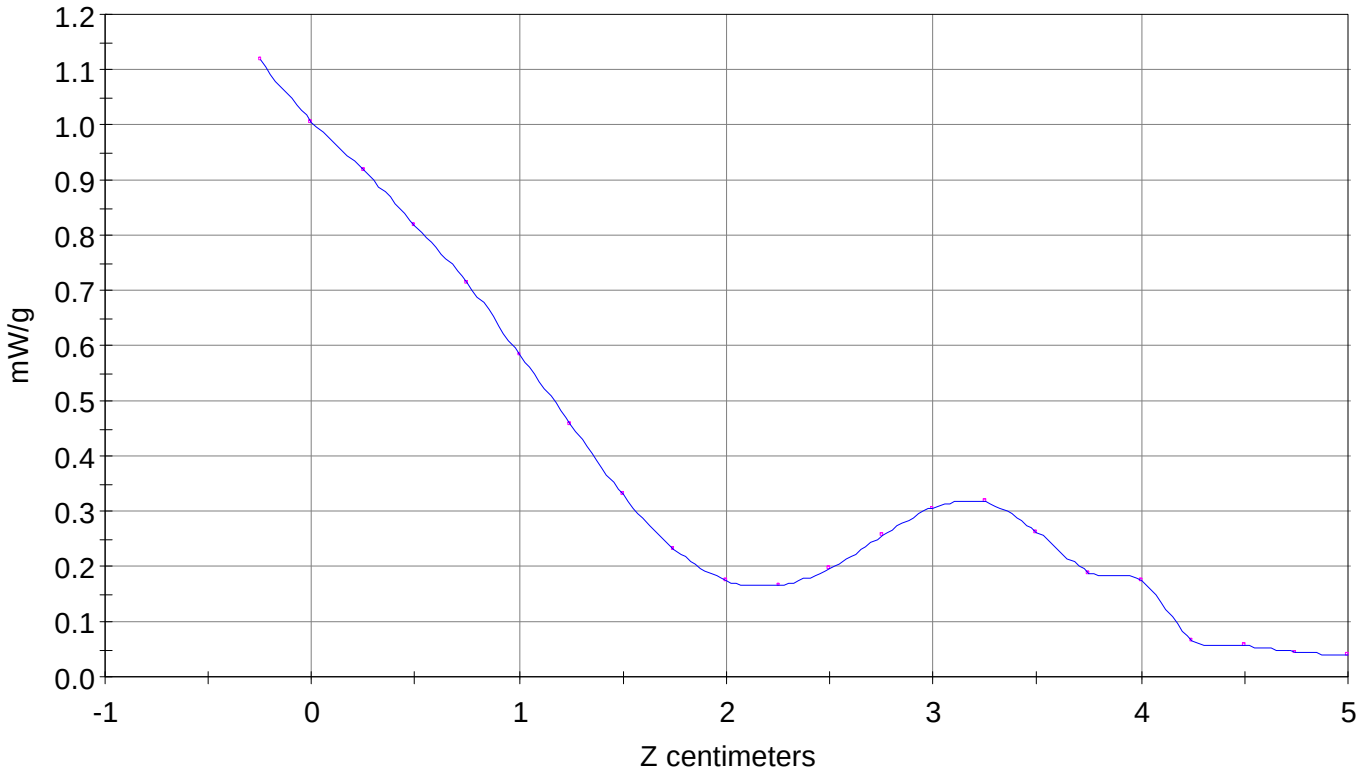
Calc. Voltage @ Surface (Vs) = 0.0135

Voltage @ 1.00 cm (Vt) = 0.0086

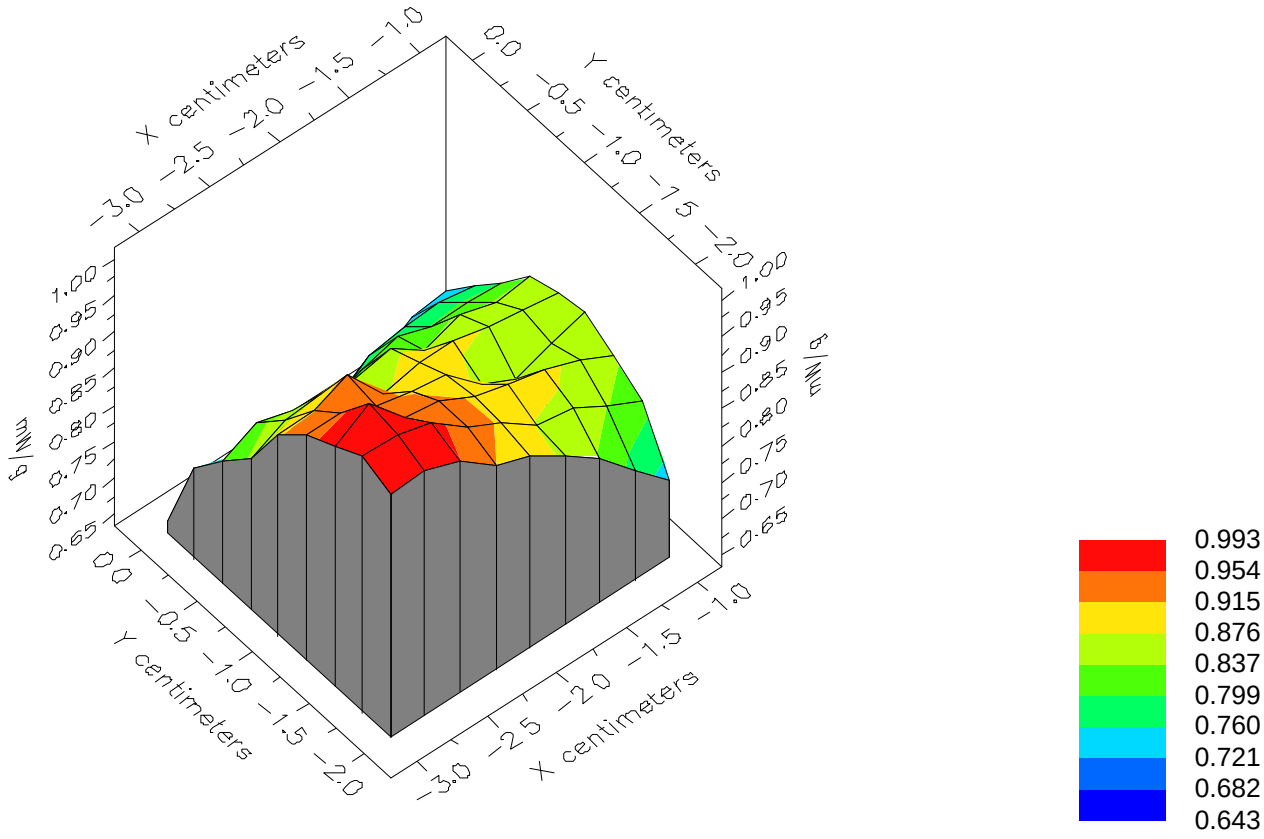
Ave. Voltage (Vs+Vt)/2 = 0.0110

Ave. SAR over 1 g (mW/g) = 0.9145

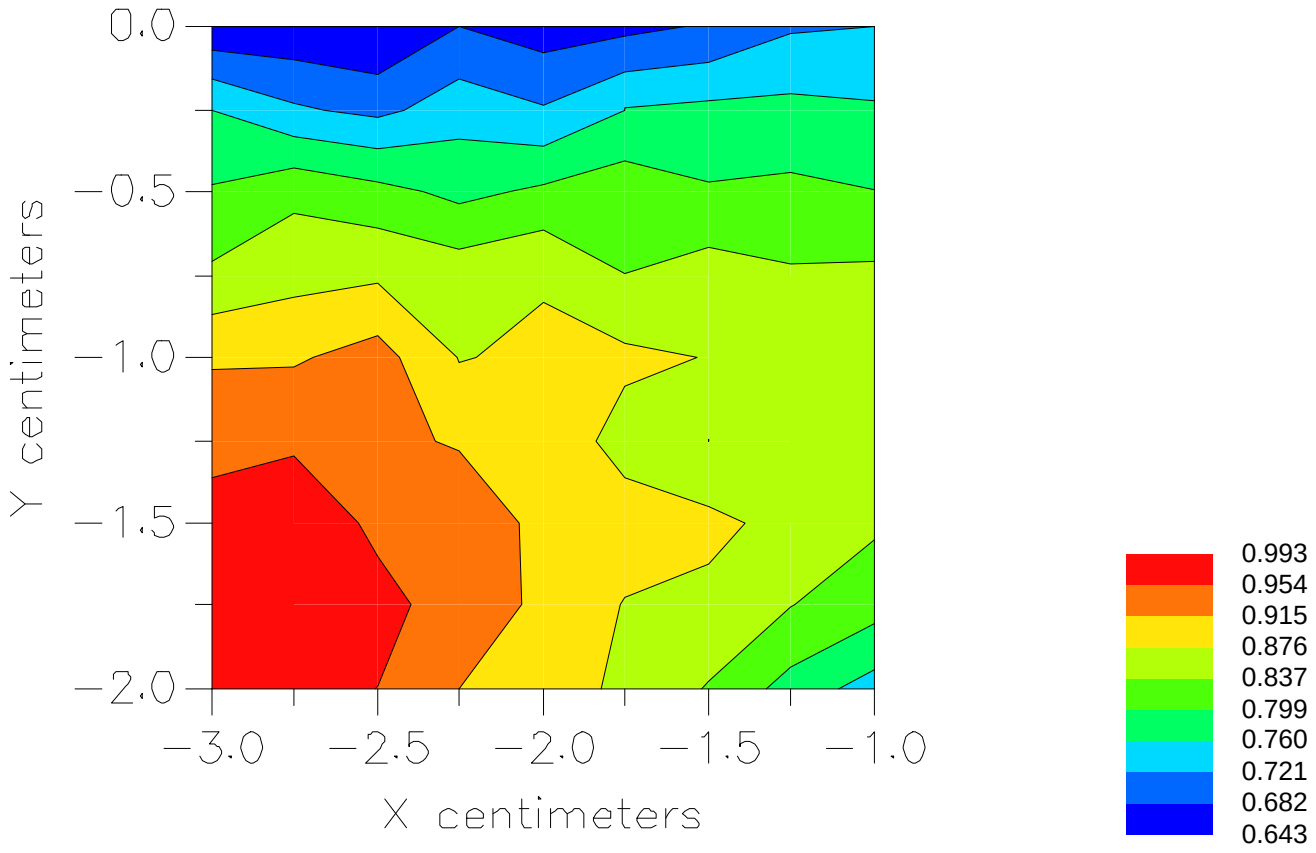
SAR Scan
File : 01011211_ZOOM
Start : 12-Jan-101 02:17:02 pm End : 12-Jan-101 02:27:30 pm
LGE/LG-TM220/2;836.49MHz;W;Helical/Out;
Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 DegreesMuscle/51.700/1.100



File : 01011211_ZOOM
Start : 12-Jan-101 02:17:02 pm End : 12-Jan-101 02:27:30 pm
LGE/LG-TM220/2;836.49MHz;W;Helical/Out;
Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 DegreesMuscle/51.700/1.100



File : 01011211_ZOOM
Start : 12-Jan-101 02:17:02 pm End : 12-Jan-101 02:27:30 pm
LGE/LG-TM220/2;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/01011205_ZOOM.VLT
Start : 12-Jan-101 12:25:41 pm End : 12-Jan-101 12:33:06 pm

Radio Type : LGE
Model Number : LG-TM220
Serial Number : 2
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 :
LGE TRI-MODE PHONE - AMPS MODE
CHAN 0799 Conducted 26.5 dBm
LGE 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 = -2.750, Y = -1.750, Z = 0.000 (cm) Value = 8.424

Measured Values (volts) =

7.836E-003	6.675E-003	5.815E-003	4.779E-003	3.697E-003	2.733E-003
1.838E-003	1.350E-003	1.154E-003	1.365E-003	1.714E-003	2.095E-003
2.250E-003	1.883E-003	1.245E-003	1.060E-003	4.634E-004	3.746E-004
3.425E-004	2.711E-004	2.187E-004			

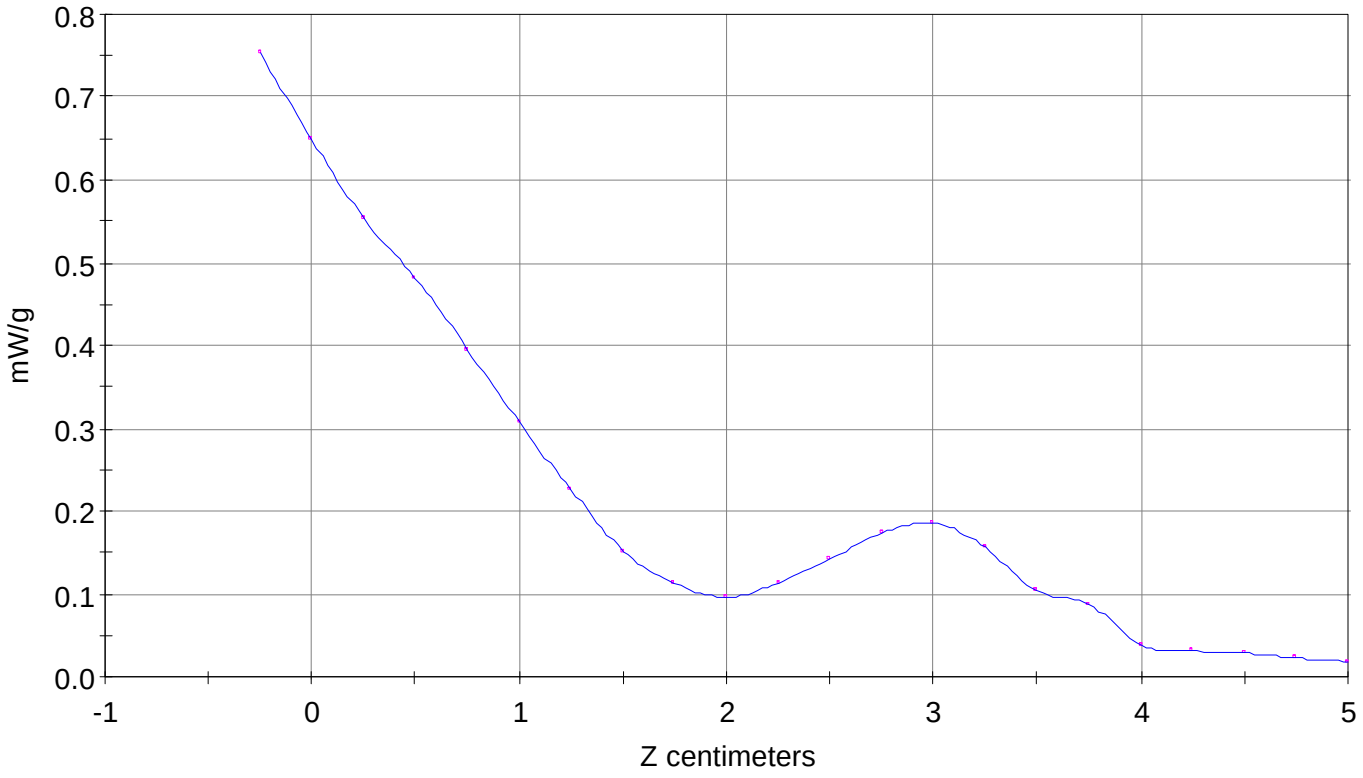
Calc. Voltage @ Surface (Vs) = 0.0091

Voltage @ 1.00 cm (Vt) = 0.0048

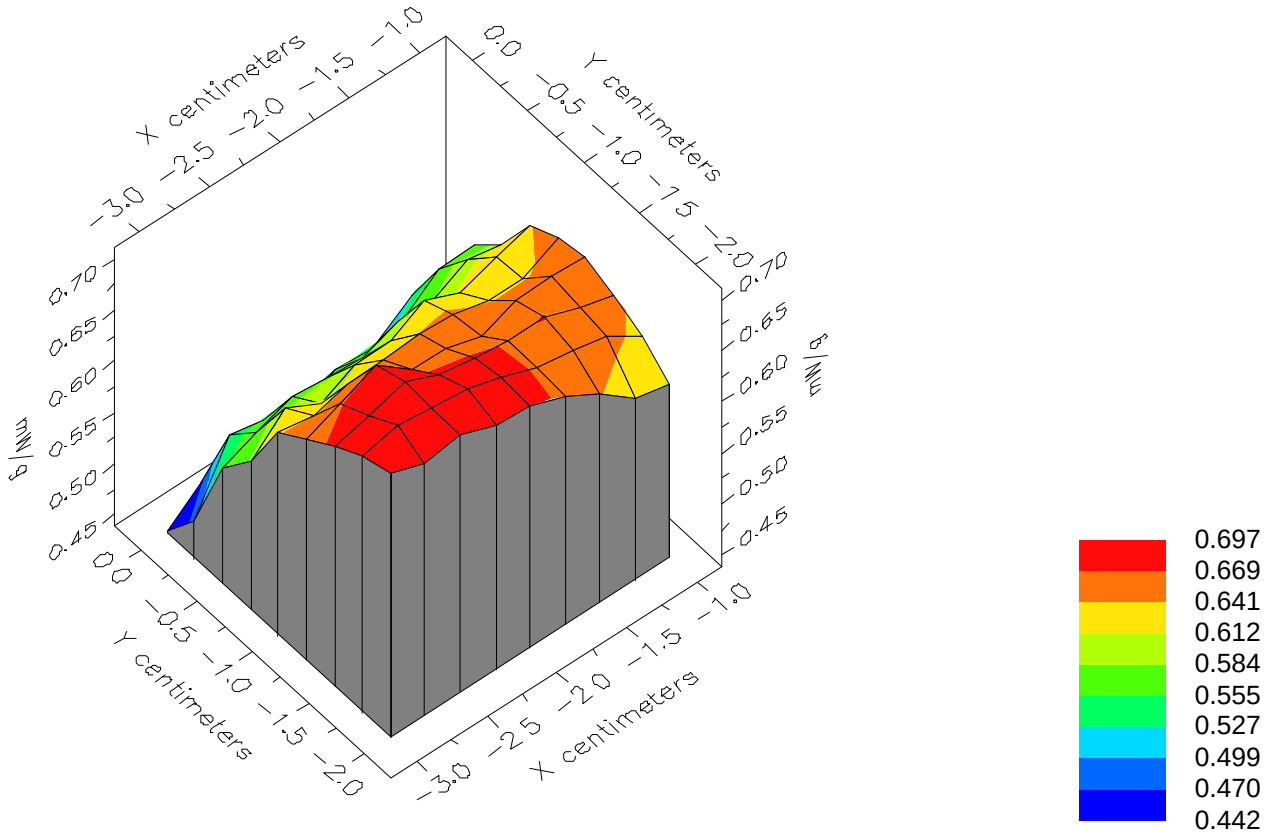
Ave. Voltage (Vs+Vt)/2 = 0.0069

Ave. SAR over 1 g (mW/g) = 0.5743

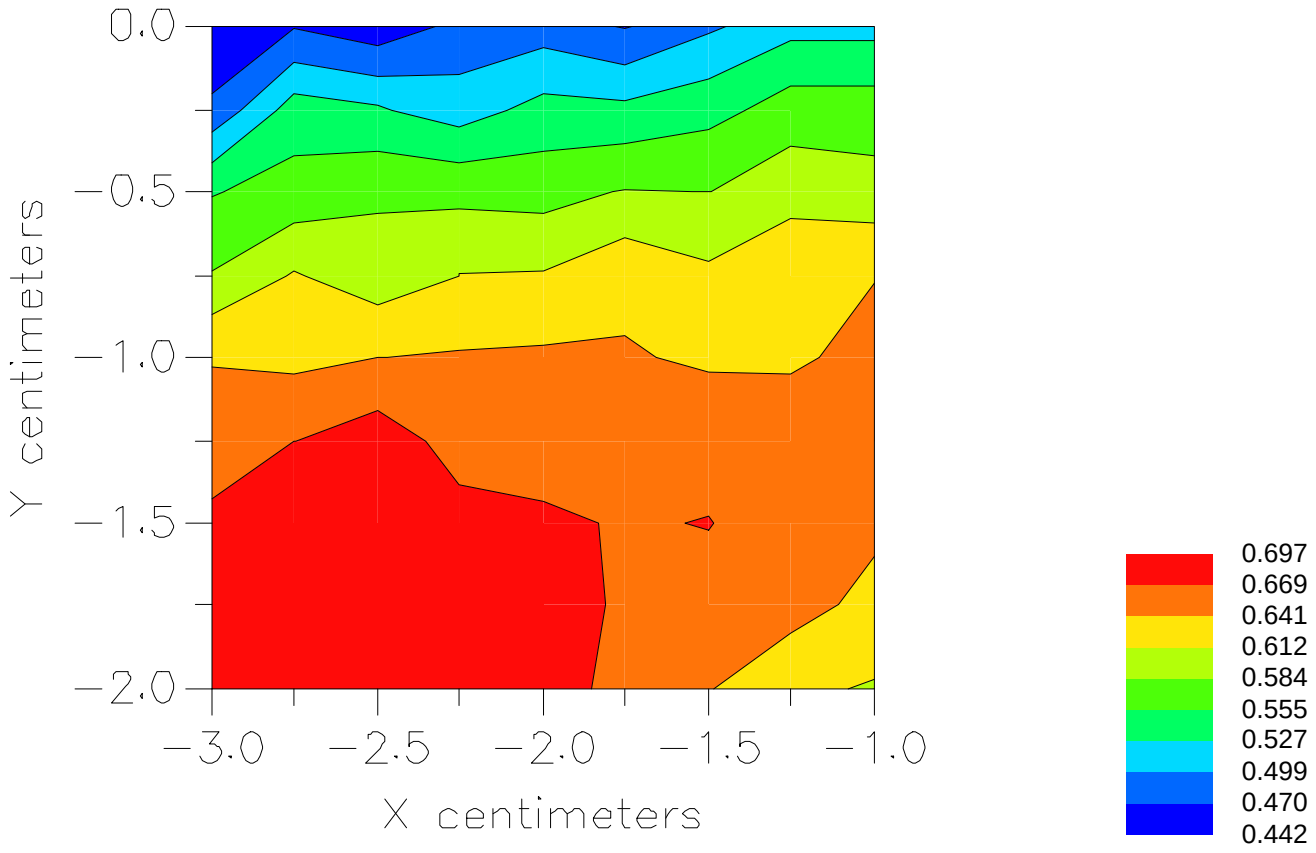
SAR Scan
File : 01011205_ZOOM
Start : 12-Jan-101 12:25:41 pm End : 12-Jan-101 12:33:06 pm
LGE/LG-TM220/2;848.97MHz;W;Helical/In;
Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 DegreesMuscle/51.700/1.100



File : 01011205_ZOOM
Start : 12-Jan-101 12:25:41 pm End : 12-Jan-101 12:33:06 pm
LGE/LG-TM220/2;848.97MHz;W;Helical/In;
Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 DegreesMuscle/51.700/1.100



File : 01011205_ZOOM
Start : 12-Jan-101 12:25:41 pm End : 12-Jan-101 12:33:06 pm
LGE/LG-TM220/2;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/01011208_ZOOM.VLT
Start : 12-Jan-101 12:49:03 pm End : 12-Jan-101 01:00:00 pm

Radio Type : LGE
Model Number : LG-TM220
Serial Number : 2
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 :
LGE TRI-MODE PHONE - AMPS MODE
CHAN 0799 Conducted 26.5 dBm
LGE 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 = -0.750, Z = 0.000 (cm) Value = 9.542

Measured Values (volts) =

9.302E-003	7.589E-003	6.905E-003	6.564E-003	6.343E-003	5.956E-003
5.218E-003	4.260E-003	3.185E-003	2.009E-003	1.386E-003	1.018E-003
1.161E-003	1.458E-003	2.077E-003	2.484E-003	2.397E-003	1.771E-003
1.329E-003	1.185E-003	4.610E-004			

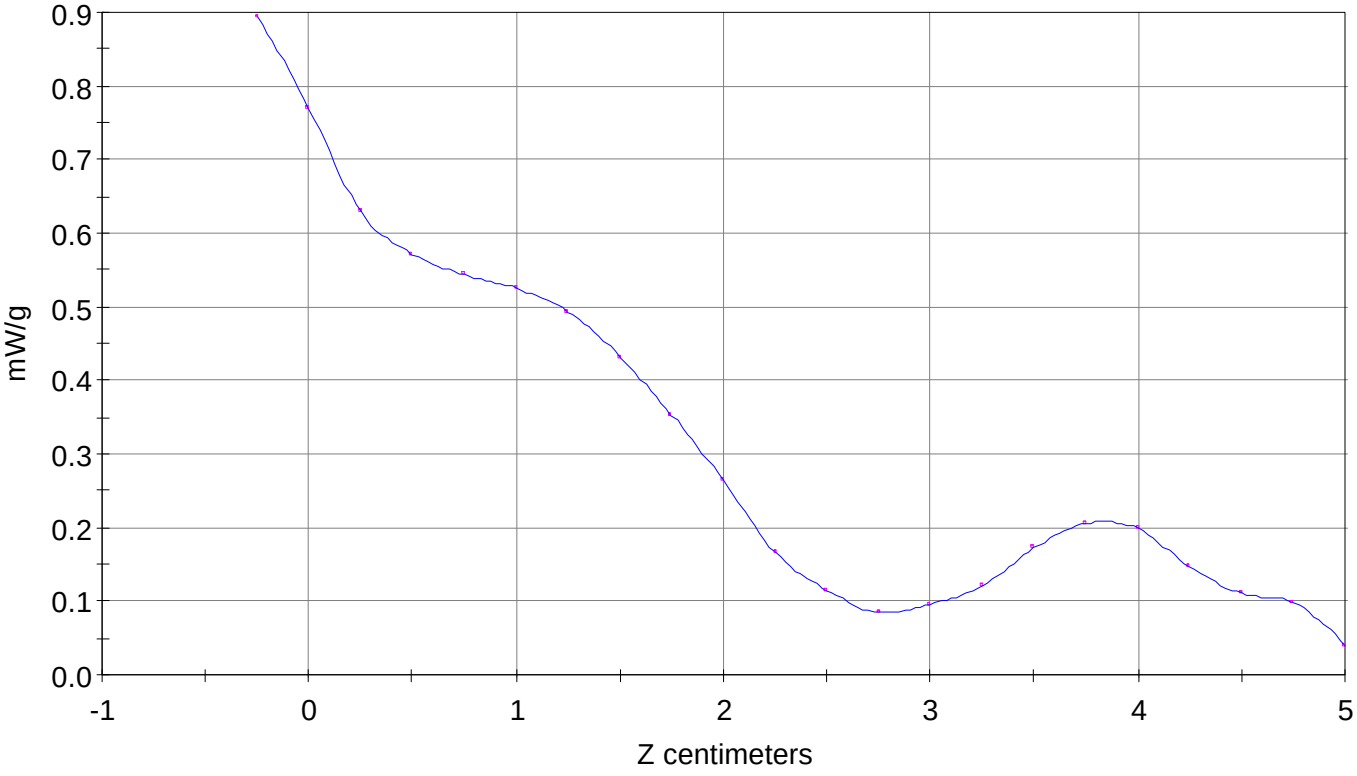
Calc. Voltage @ Surface (Vs) = 0.0108

Voltage @ 1.00 cm (Vt) = 0.0066

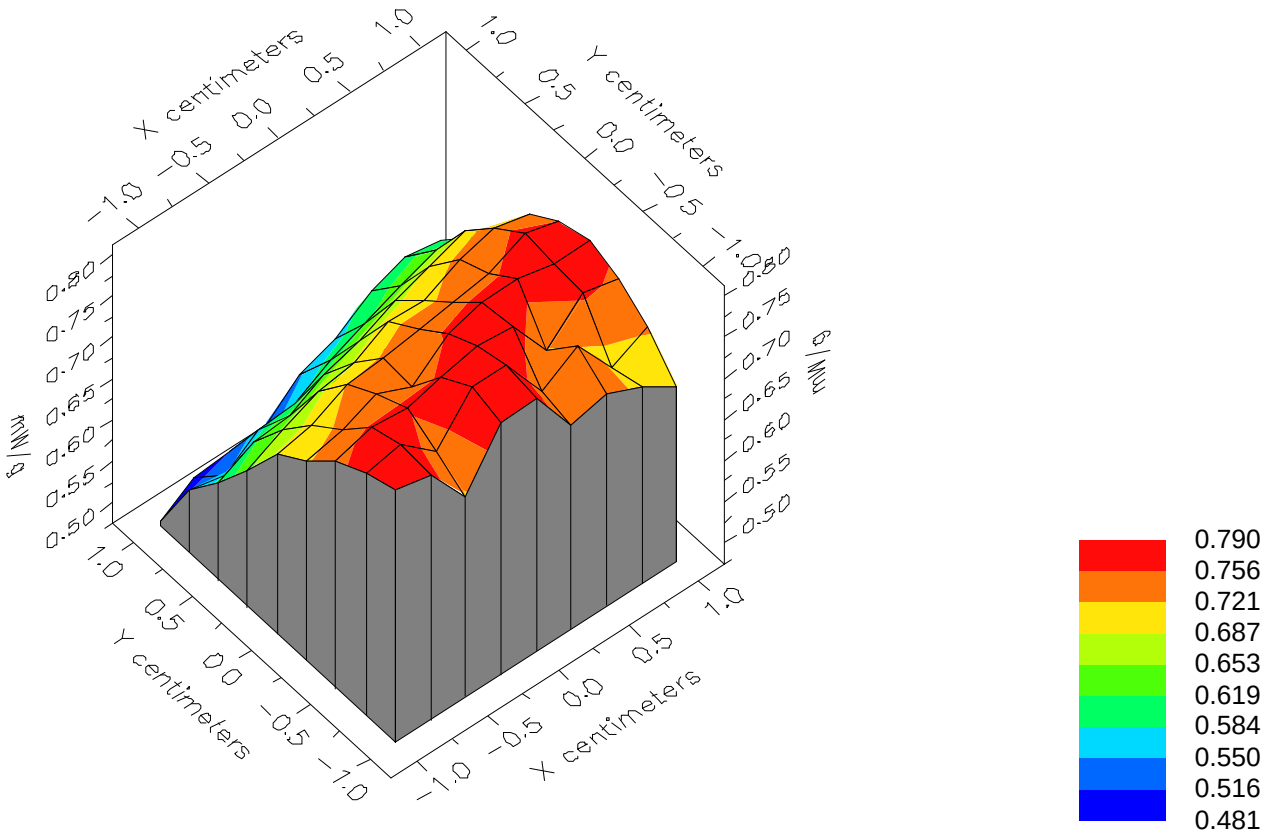
Ave. Voltage (Vs+Vt)/2 = 0.0087

Ave. SAR over 1 g (mW/g) = 0.7192

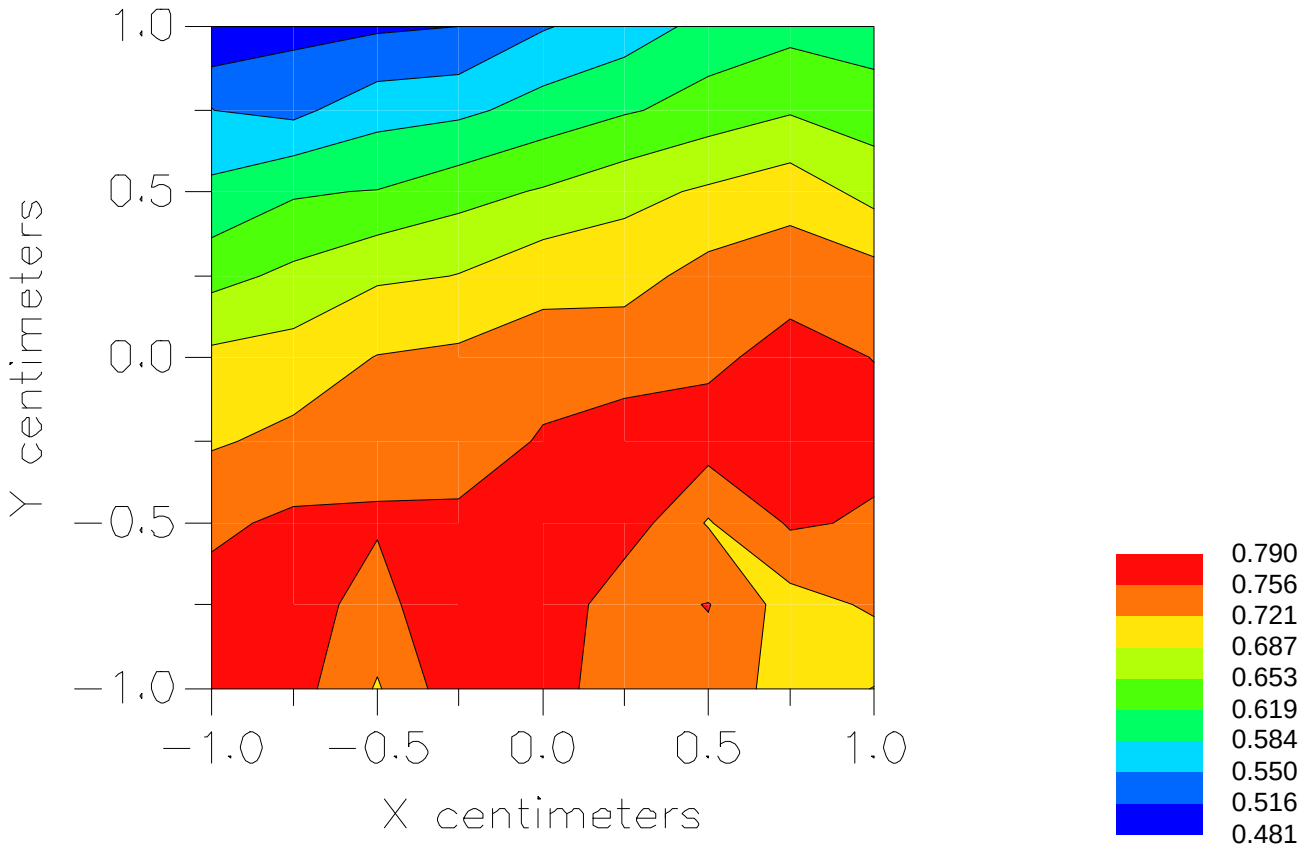
SAR Scan
File : 01011208_ZOOM
Start : 12-Jan-101 12:49:03 pm End : 12-Jan-101 01:00:00 pm
LGE/LG-TM220/2;848.97MHz;W;Helical/Out;
Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 DegreesMuscle/51.700/1.100



File : 01011208_ZOOM
Start : 12-Jan-101 12:49:03 pm End : 12-Jan-101 01:00:00 pm
LGE/LG-TM220/2;848.97MHz;W;Helical/Out;
Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 DegreesMuscle/51.700/1.100



File : 01011208_ZOOM
Start : 12-Jan-101 12:49:03 pm End : 12-Jan-101 01:00:00 pm
LGE/LG-TM220/2;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/01011217_ZOOM.VLT
Start : 12-Jan-101 03:00:28 pm End : 12-Jan-101 03:11:11 pm

Radio Type : LGE
Model Number : LG-TM220
Serial Number : 2
Frequency : 848.37 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 :
LGE TRI-MODE PHONE - CDMA MODE
CHAN 0779 Conducted 25.0 dBm
LGE 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 = -2.750, Y = -1.750, Z = 0.000 (cm) Value = 6.131

Measured Values (volts) =

5.825E-003	4.820E-003	4.219E-003	3.497E-003	2.789E-003	1.989E-003
1.384E-003	9.823E-004	8.089E-004	9.018E-004	1.143E-003	1.399E-003
1.550E-003	1.421E-003	9.937E-004	8.518E-004	3.622E-004	2.866E-004
2.262E-004	1.782E-004	1.740E-004			

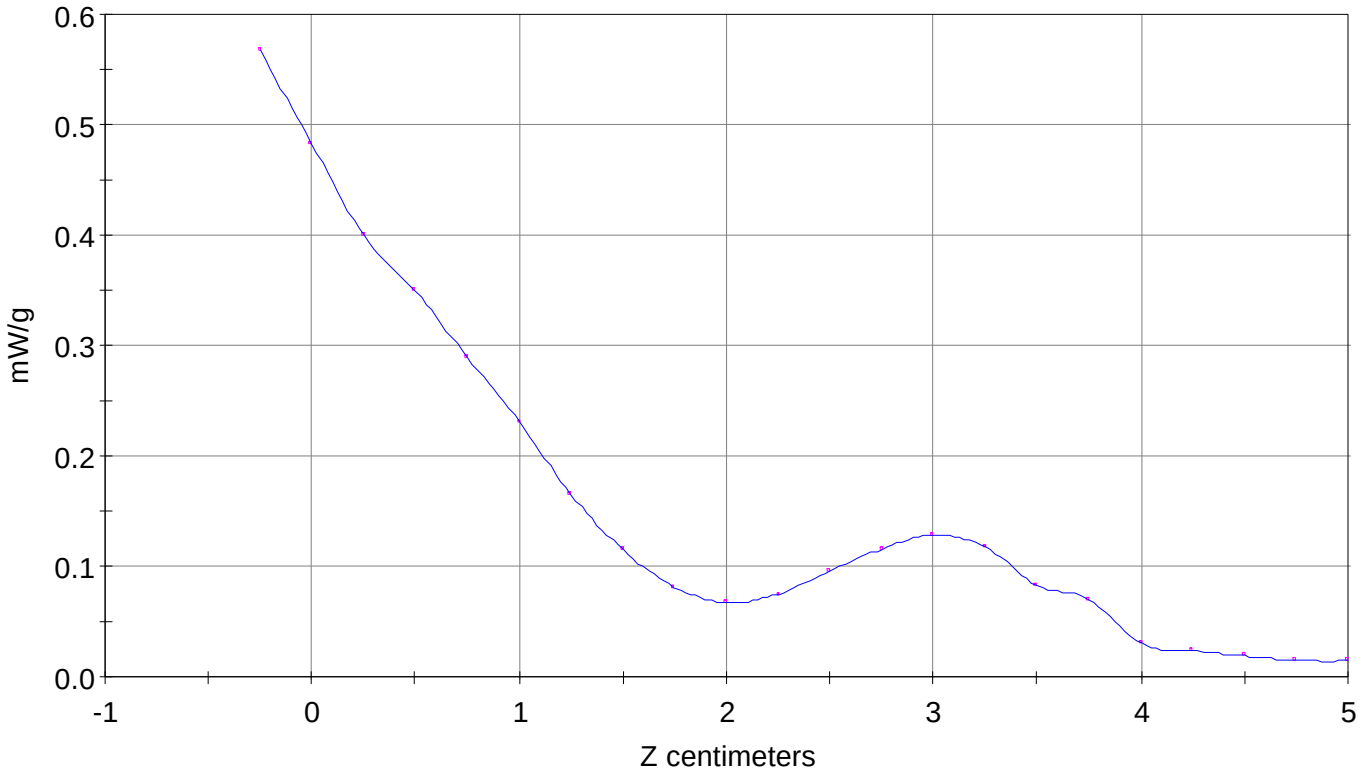
Calc. Voltage @ Surface (Vs) = 0.0068

Voltage @ 1.00 cm (Vt) = 0.0035

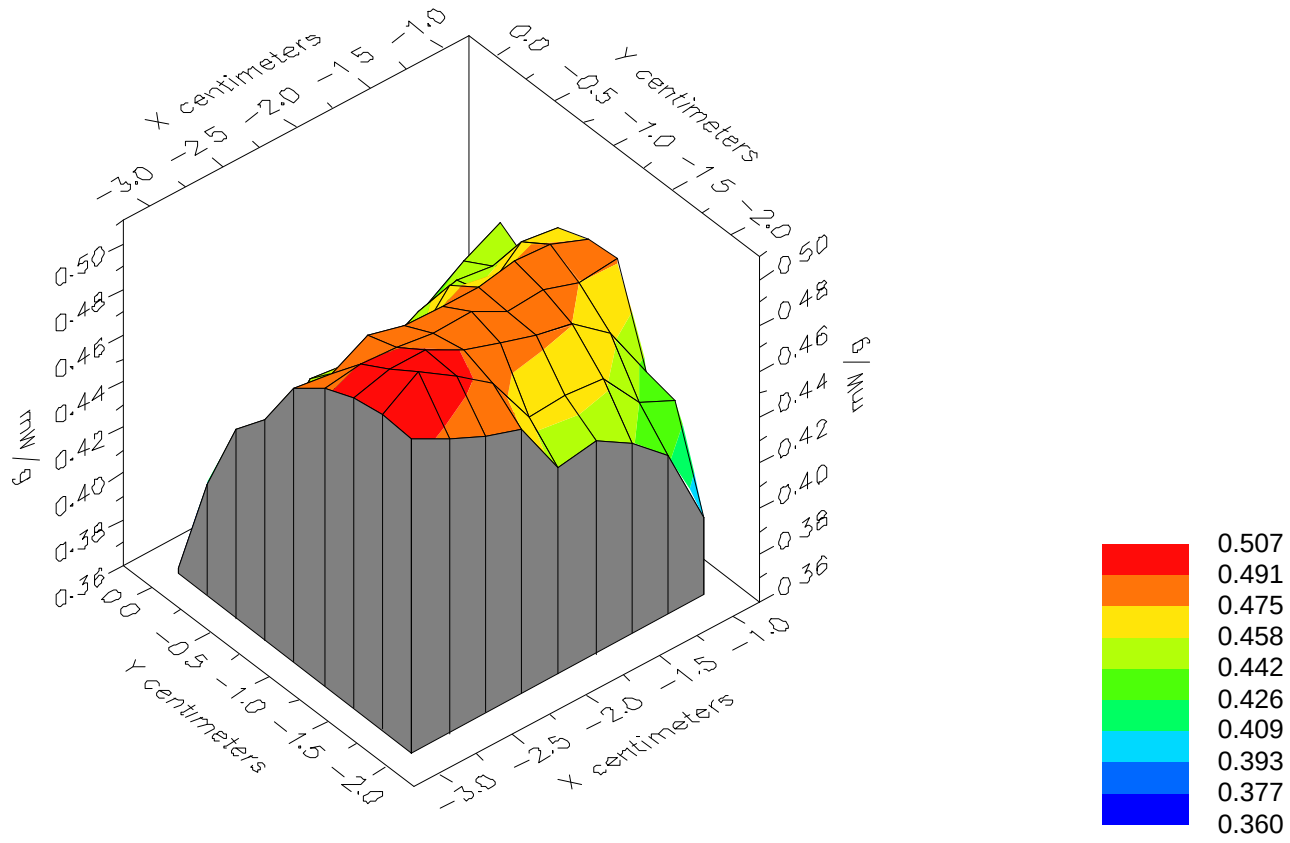
Ave. Voltage (Vs+Vt)/2 = 0.0052

Ave. SAR over 1 g (mW/g) = 0.4281

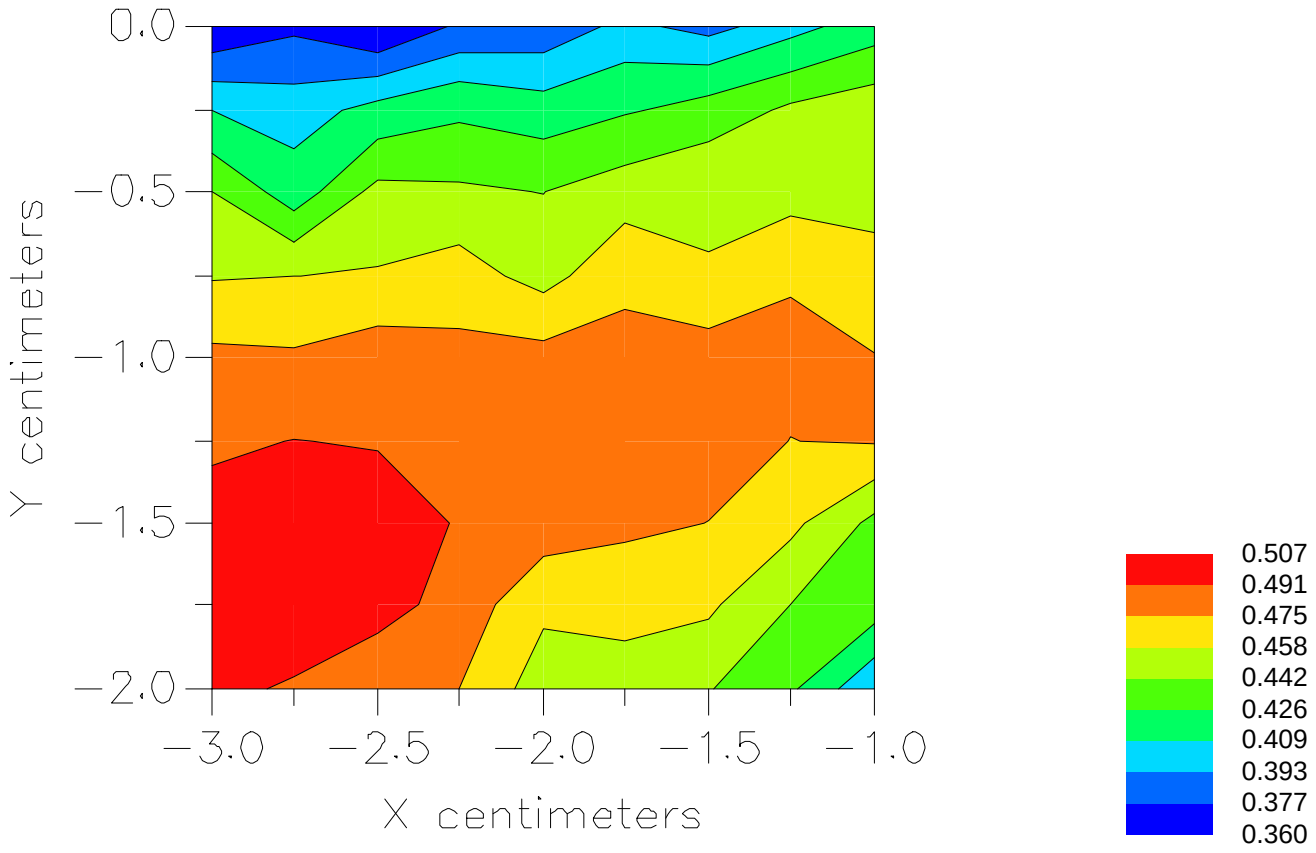
SAR Scan
File : 01011217_ZOOM
Start : 12-Jan-101 03:00:28 pm End : 12-Jan-101 03:11:11 pm
LGE/LG-TM220/2;848.37MHz;W;Helical/In;
Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 DegreesMuscle/51.700/1.100



File : 01011217_ZOOM
Start : 12-Jan-101 03:00:28 pm End : 12-Jan-101 03:11:11 pm
LGE/LG-TM220/2;848.37MHz;W;Helical/In;
Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 DegreesMuscle/51.700/1.100



File : 01011217_ZOOM
Start : 12-Jan-101 03:00:28 pm End : 12-Jan-101 03:11:11 pm
LGE/LG-TM220/2;848.37MHz;W;Helical/In;
Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 DegreesMuscle/51.700/1.100



File : c:/idx3/SYSTEM/SARMEAS3/data/Normal/01011219_ZOOM.VLT
Start : 12-Jan-101 03:18:38 pm End : 12-Jan-101 03:29:03 pm

Radio Type : LGE
Model Number : LG-TM220
Serial Number : 2
Frequency : 848.37 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 :
LGE TRI-MODE PHONE - CDMA MODE
CHAN 0779 Conducted 25.0 dBm
LGE 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 = -1.000, Z = 0.000 (cm) Value = 6.372

Measured Values (volts) =

6.396E-003	5.471E-003	5.095E-003	4.795E-003	4.448E-003	3.858E-003
3.111E-003	2.279E-003	1.541E-003	1.026E-003	7.770E-004	8.375E-004
1.140E-003	1.522E-003	1.766E-003	1.718E-003	1.265E-003	9.381E-004
4.066E-004	3.092E-004	2.501E-004			

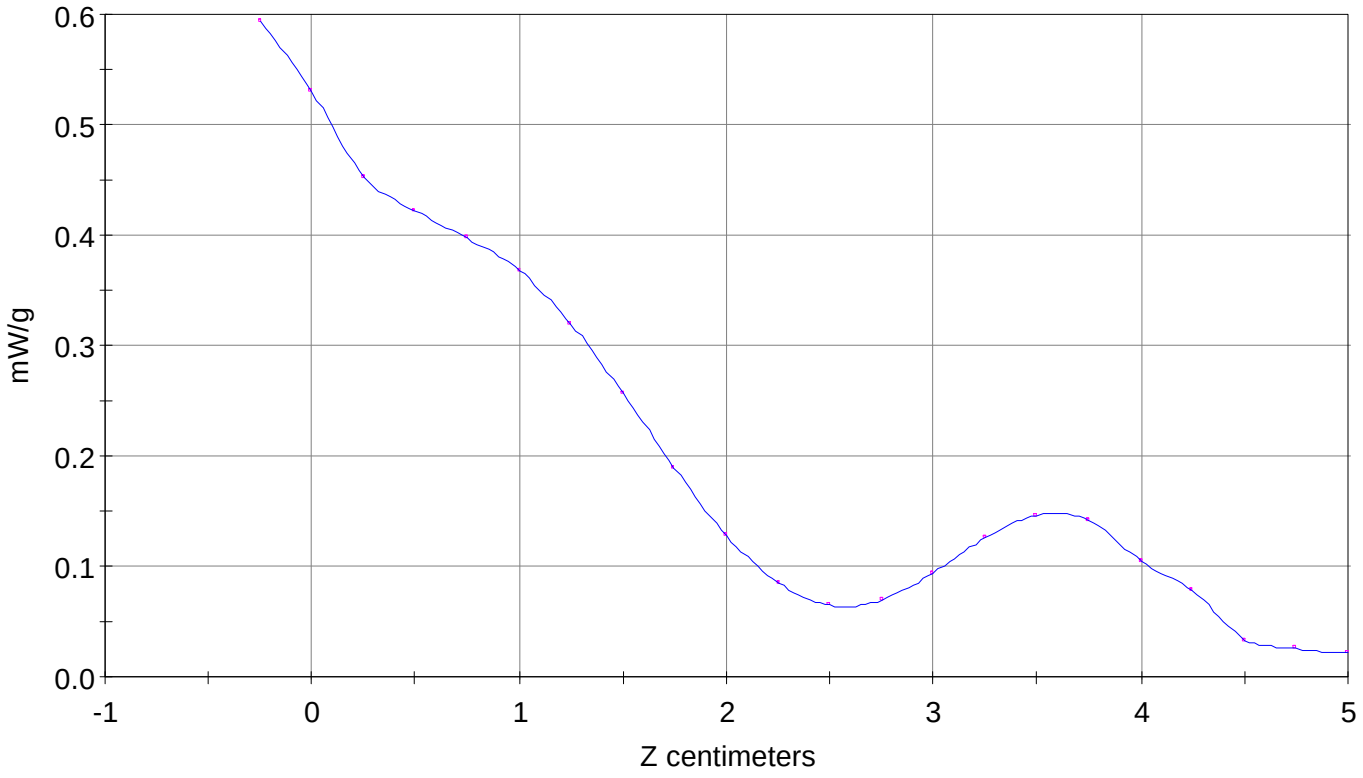
Calc. Voltage @ Surface (Vs) = 0.0072

Voltage @ 1.00 cm (Vt) = 0.0048

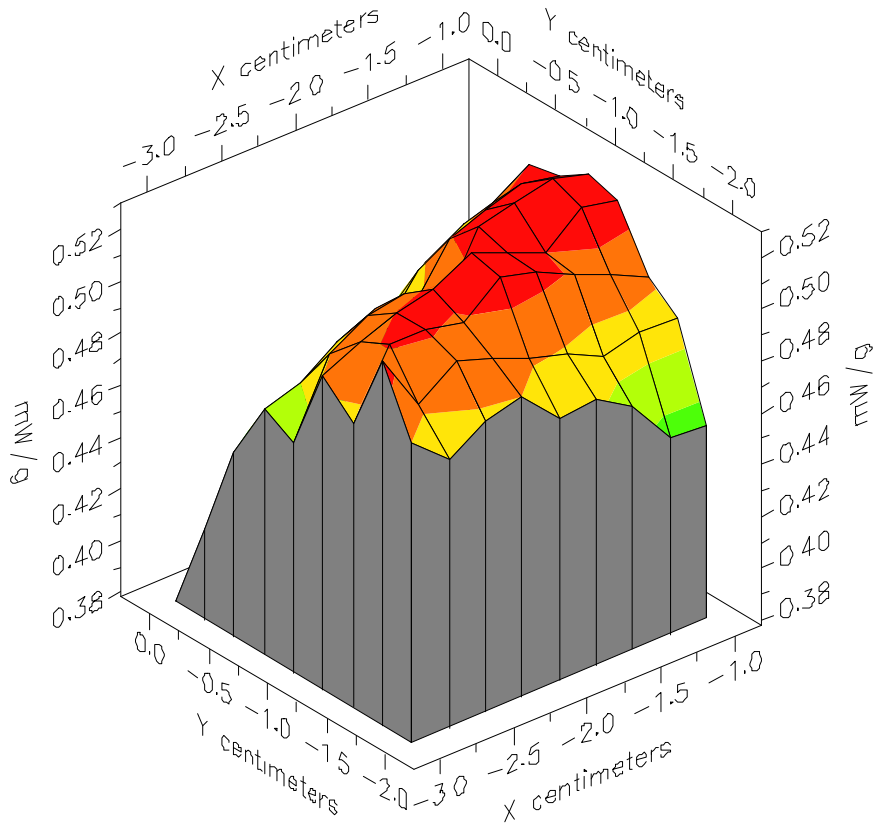
Ave. Voltage (Vs+Vt)/2 = 0.0060

Ave. SAR over 1 g (mW/g) = 0.4953

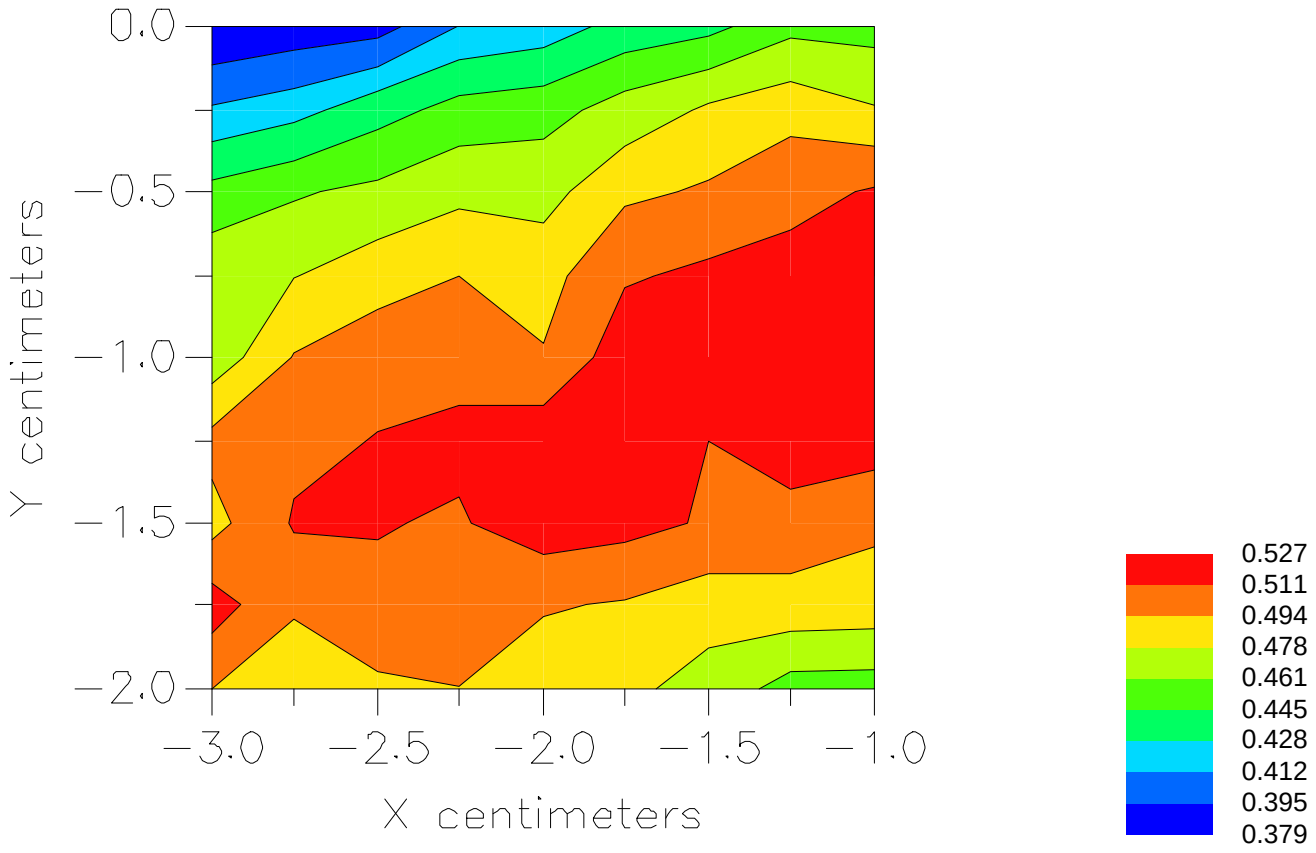
SAR Scan
File : 01011219_ZOOM
Start : 12-Jan-101 03:18:38 pm End : 12-Jan-101 03:29:03 pm
LGE/LG-TM220/2;848.37MHz;W;Helical/Out;
Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 DegreesMuscle/51.700/1.100



File : 01011219_ZOOM
Start : 12-Jan-101 03:18:38 pm End : 12-Jan-101 03:29:03 pm
LGE/LG-TM220/2;848.37MHz;W;Helical/Out;
Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 DegreesMuscle/51.700/1.100



File : 01011219_ZOOM
Start : 12-Jan-101 03:18:38 pm End : 12-Jan-101 03:29:03 pm
LGE/LG-TM220/2;848.37MHz;W;Helical/Out;
Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 DegreesMuscle/51.700/1.100



Peak SAR Location

800 MHz Head SAR

File : c:/idx3/SYSTEM/SARMEAS3/data/Normal/01010806_ZOOM.VLT
Start : 8-Jan-101 11:29:09 am End : 8-Jan-101 11:38:56 am

Radio Type : LGE
Model Number : LG-TM220
Serial Number : 2
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 :
LGE TRI-MODE PHONE - AMPS MODE
CHAN 0991 Conducted 26.5 dBm
LGE 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 = 2.750, Y = -5.000, Z = 0.000 (cm) Value = 14.118

Measured Values (volts) =

1.399E-002	1.192E-002	1.038E-002	8.906E-003	7.628E-003	6.067E-003
4.657E-003	3.539E-003	2.585E-003	2.056E-003	1.968E-003	2.181E-003
2.557E-003	2.941E-003	3.229E-003	3.065E-003	2.403E-003	1.547E-003
1.244E-003	5.135E-004	4.226E-004			

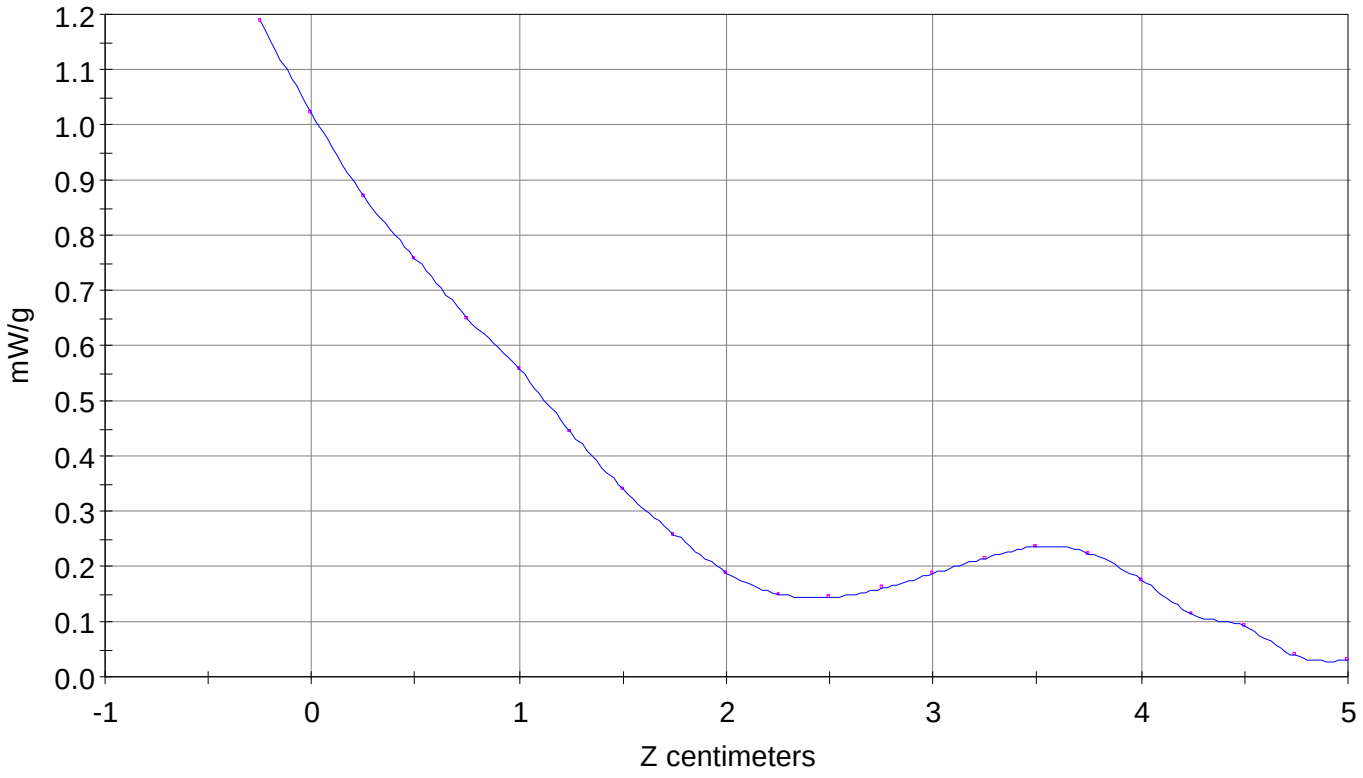
Calc. Voltage @ Surface (Vs) = 0.0162

Voltage @ 1.00 cm (Vt) = 0.0089

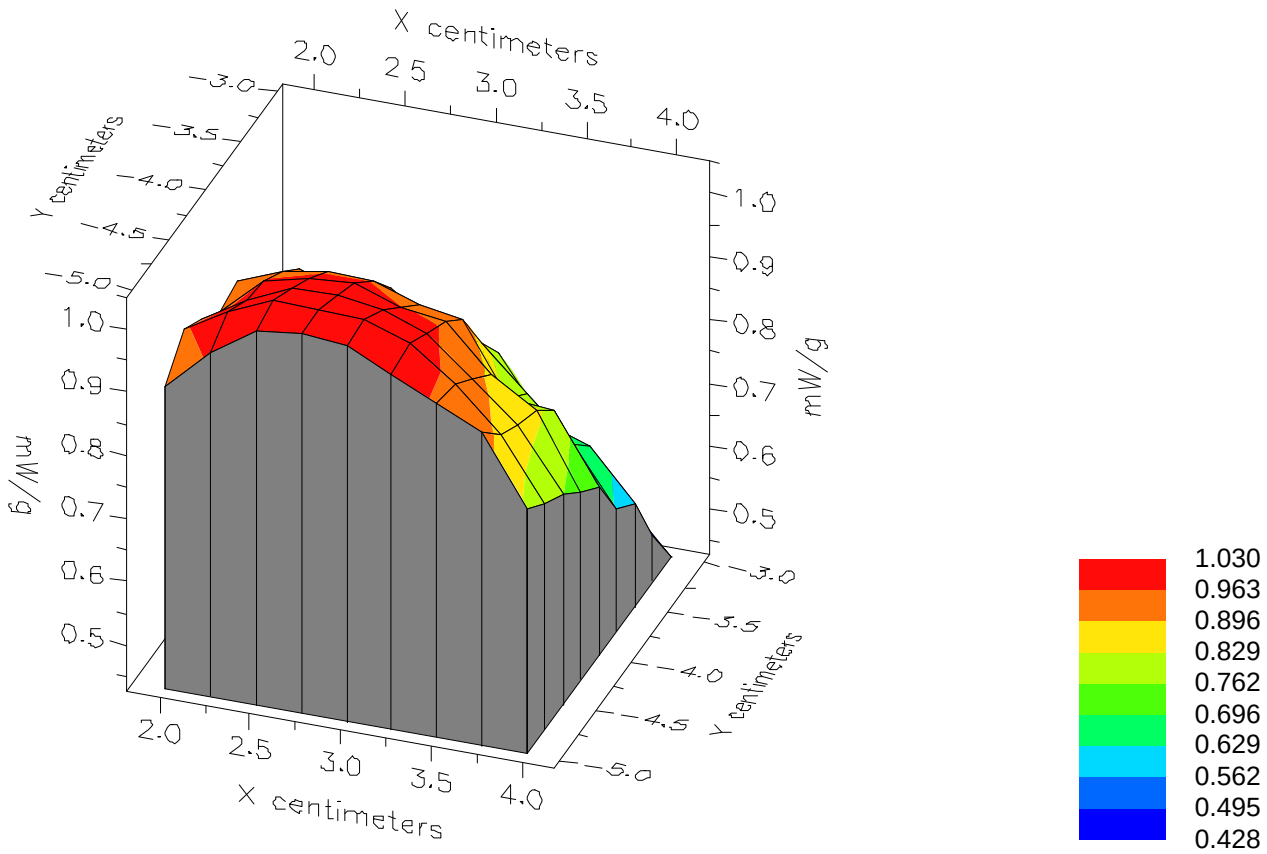
Ave. Voltage (Vs+Vt)/2 = 0.0126

Ave. SAR over 1 g (mW/g) = 0.9173

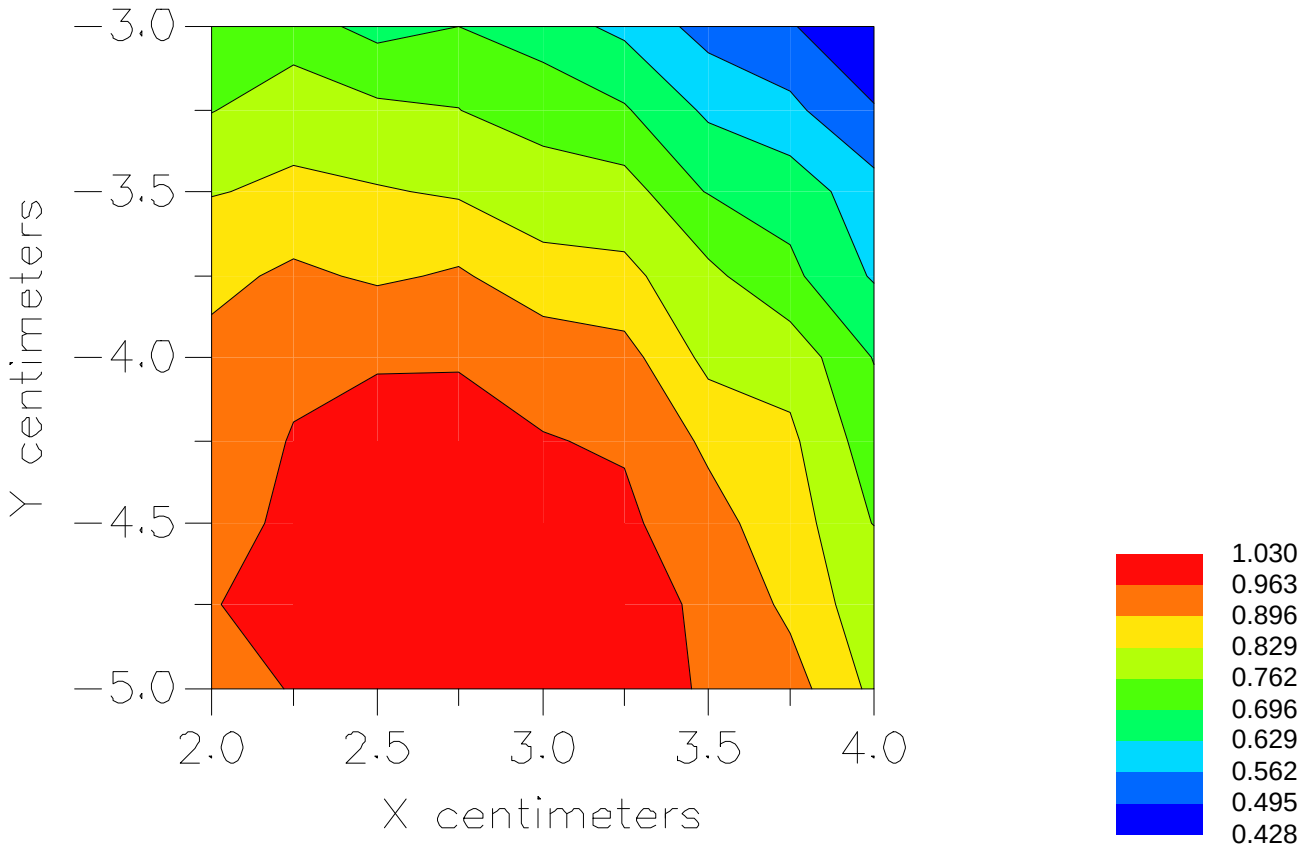
SAR Scan
File : 01010806_ZOOM
Start : 8-Jan-101 11:29:09 am End : 8-Jan-101 11:38:56 am
LGE/LG-TM220/2;824.04MHz;W;Helical/In;
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/41.500/0.900



File : 01010806_ZOOM
Start : 8-Jan-101 11:29:09 am End : 8-Jan-101 11:38:56 am
LGE/LG-TM220/2;824.04MHz;W;Helical/In;
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/41.500/0.900



File : 01010806_ZOOM
Start : 8-Jan-101 11:29:09 am End : 8-Jan-101 11:38:56 am
LGE/LG-TM220/2;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/01010805_ZOOM.VLT
Start : 8-Jan-101 11:09:34 am End : 8-Jan-101 11:19:33 am

Radio Type : LGE
Model Number : LG-TM220
Serial Number : 2
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 :
LGE TRI-MODE PHONE - AMPS MODE
CHAN 0991 Conducted 26.5 dBm
LGE 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 = 2.750, Y = -5.000, Z = 0.000 (cm) Value = 14.387

Measured Values (volts) =

1.425E-002	1.202E-002	1.053E-002	8.966E-003	7.573E-003	6.122E-003
4.801E-003	3.566E-003	2.635E-003	2.198E-003	2.152E-003	2.394E-003
2.743E-003	3.162E-003	3.397E-003	3.149E-003	2.448E-003	1.924E-003
1.753E-003	6.663E-004	5.624E-004			

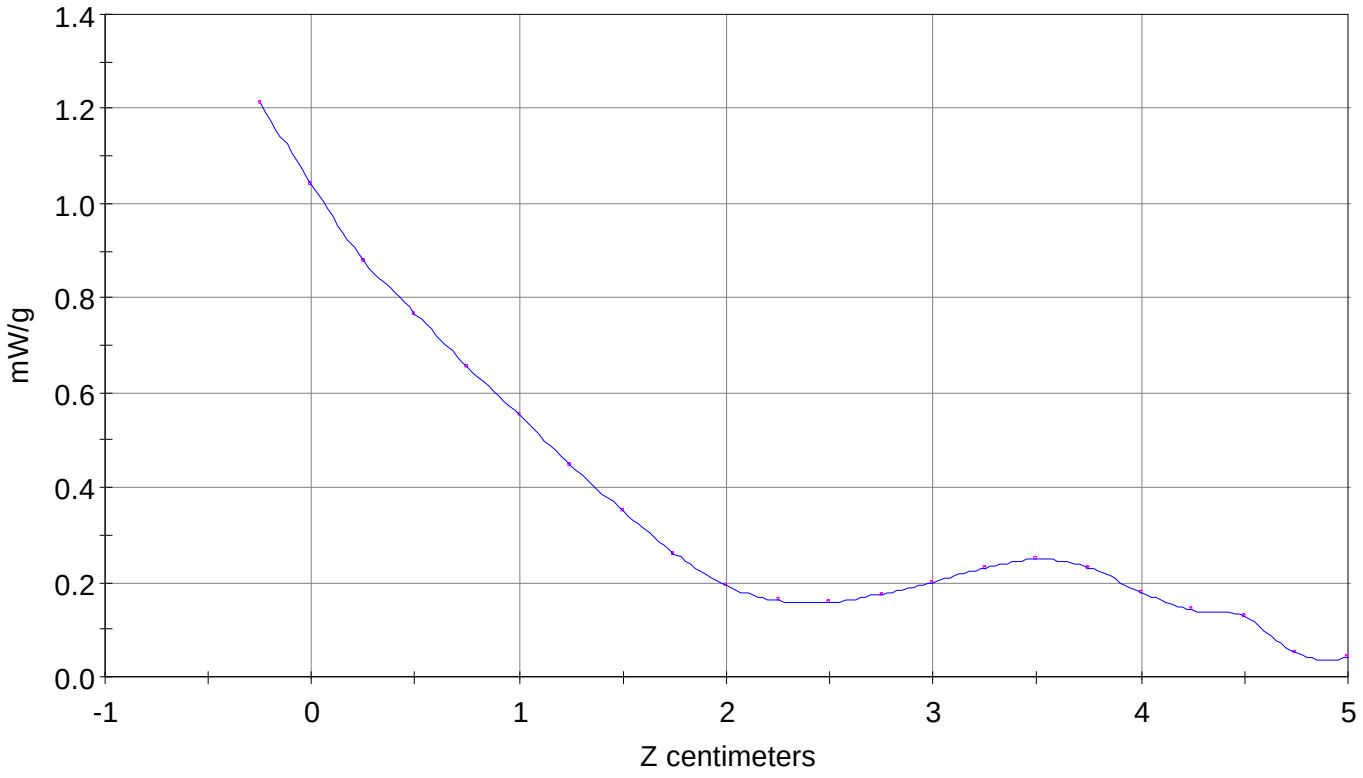
Calc. Voltage @ Surface (Vs) = 0.0166

Voltage @ 1.00 cm (Vt) = 0.0090

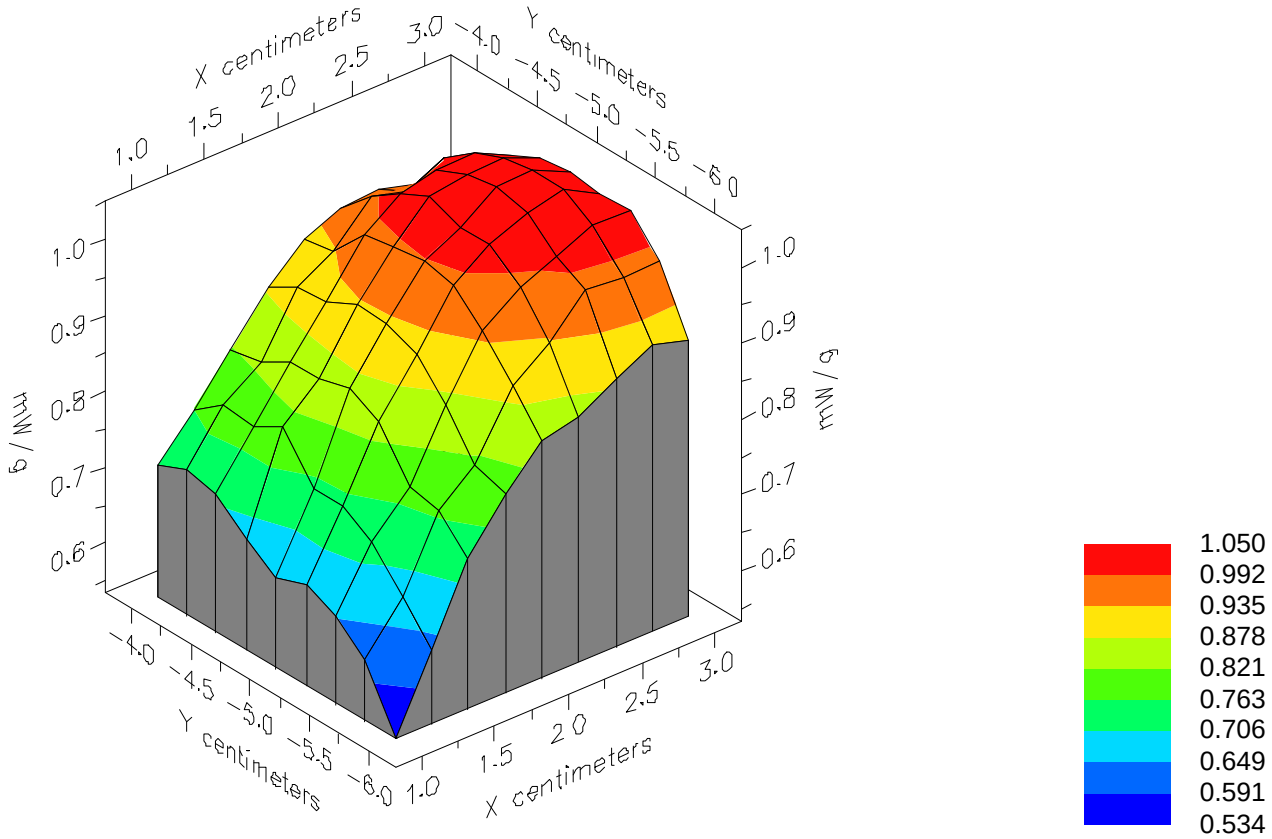
Ave. Voltage (Vs+Vt)/2 = 0.0128

Ave. SAR over 1 g (mW/g) = 0.9323

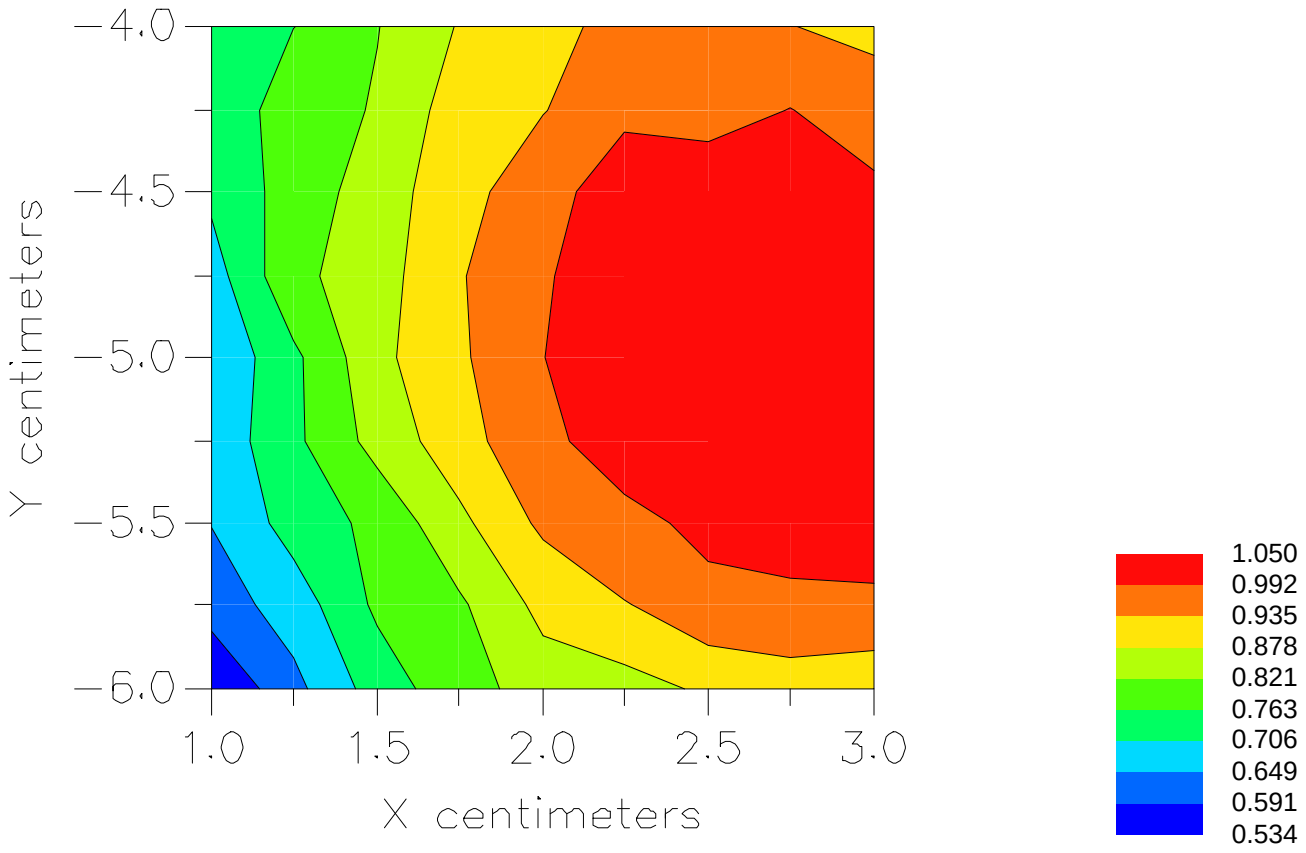
SAR Scan
File : 01010805_ZOOM
Start : 8-Jan-101 11:09:34 am End : 8-Jan-101 11:19:33 am
LGE/LG-TM220/2;824.04MHz;W;Helical/Out;
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/41.500/0.900



File : 01010805_ZOOM
Start : 8-Jan-101 11:09:34 am End : 8-Jan-101 11:19:33 am
LGE/LG-TM220/2;824.04MHz;W;Helical/Out;
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/41.500/0.900



File : 01010805_ZOOM
Start : 8-Jan-101 11:09:34 am End : 8-Jan-101 11:19:33 am
LGE/LG-TM220/2;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/01010805_ZOOM.VLT
Start : 8-Jan-101 11:09:34 am End : 8-Jan-101 11:19:33 am

Radio Type : LGE
Model Number : LG-TM220
Serial Number : 2
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 :
LGE TRI-MODE PHONE - AMPS MODE
CHAN 0991 Conducted 26.5 dBm
LGE 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 = 2.750, Y = -5.000, Z = 0.000 (cm) Value = 14.387

Measured Values (volts) =

1.425E-002	1.202E-002	1.053E-002	8.966E-003	7.573E-003	6.122E-003
4.801E-003	3.566E-003	2.635E-003	2.198E-003	2.152E-003	2.394E-003
2.743E-003	3.162E-003	3.397E-003	3.149E-003	2.448E-003	1.924E-003
1.753E-003	6.663E-004	5.624E-004			

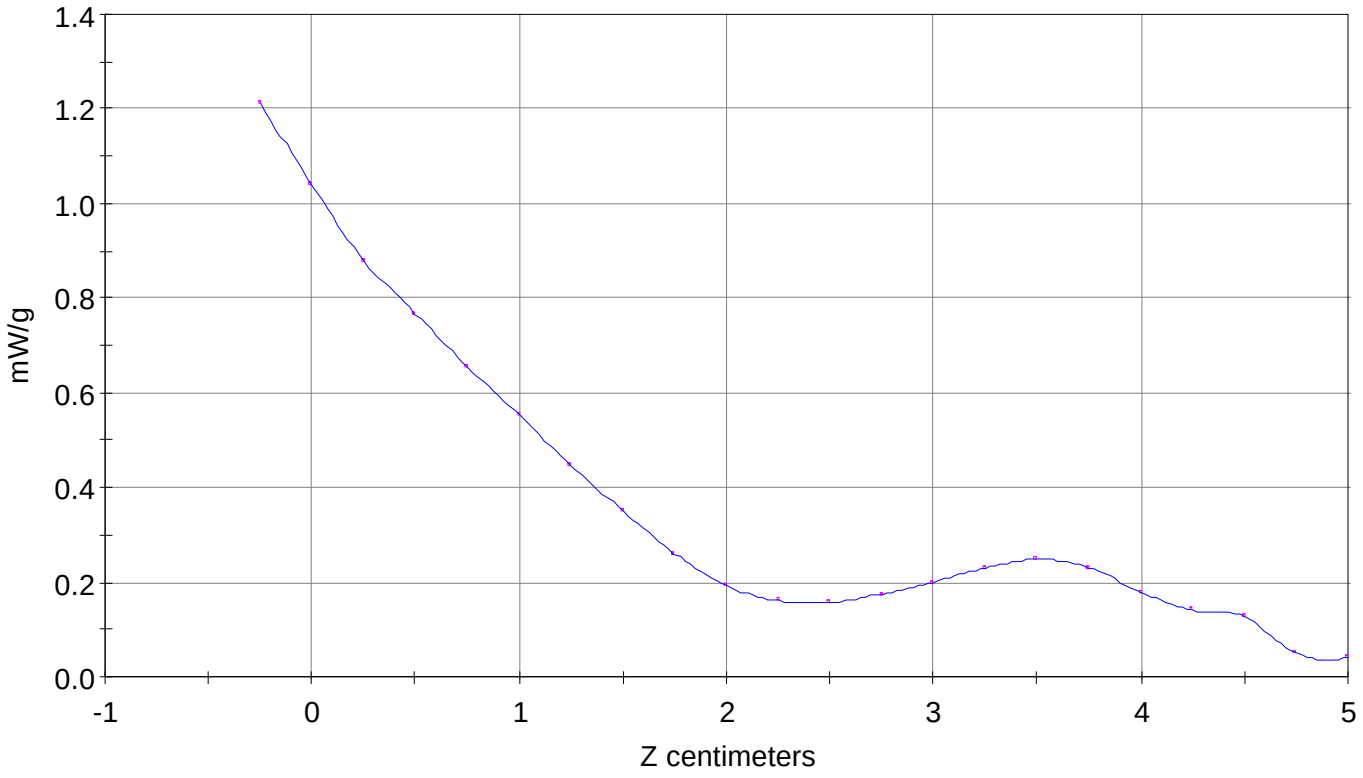
Calc. Voltage @ Surface (Vs) = 0.0166

Voltage @ 1.00 cm (Vt) = 0.0090

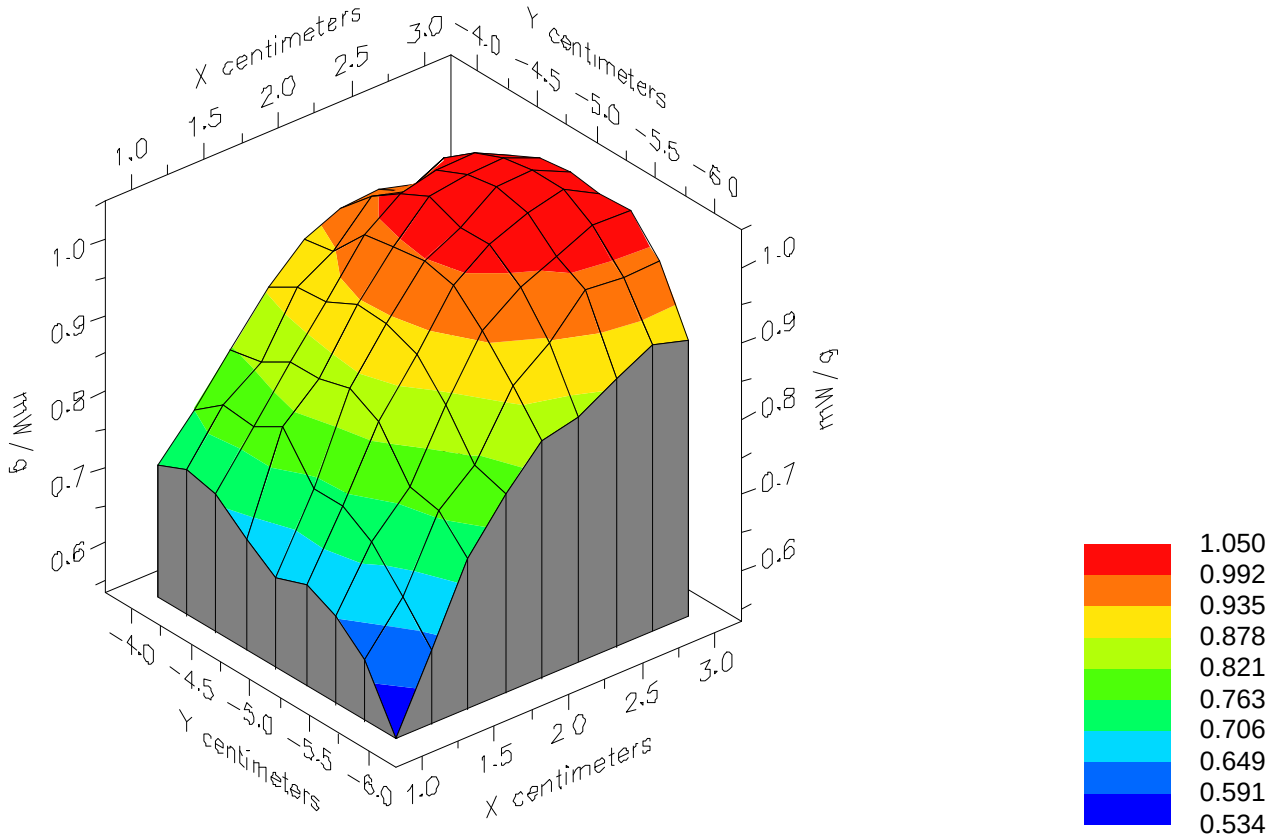
Ave. Voltage (Vs+Vt)/2 = 0.0128

Ave. SAR over 1 g (mW/g) = 0.9323

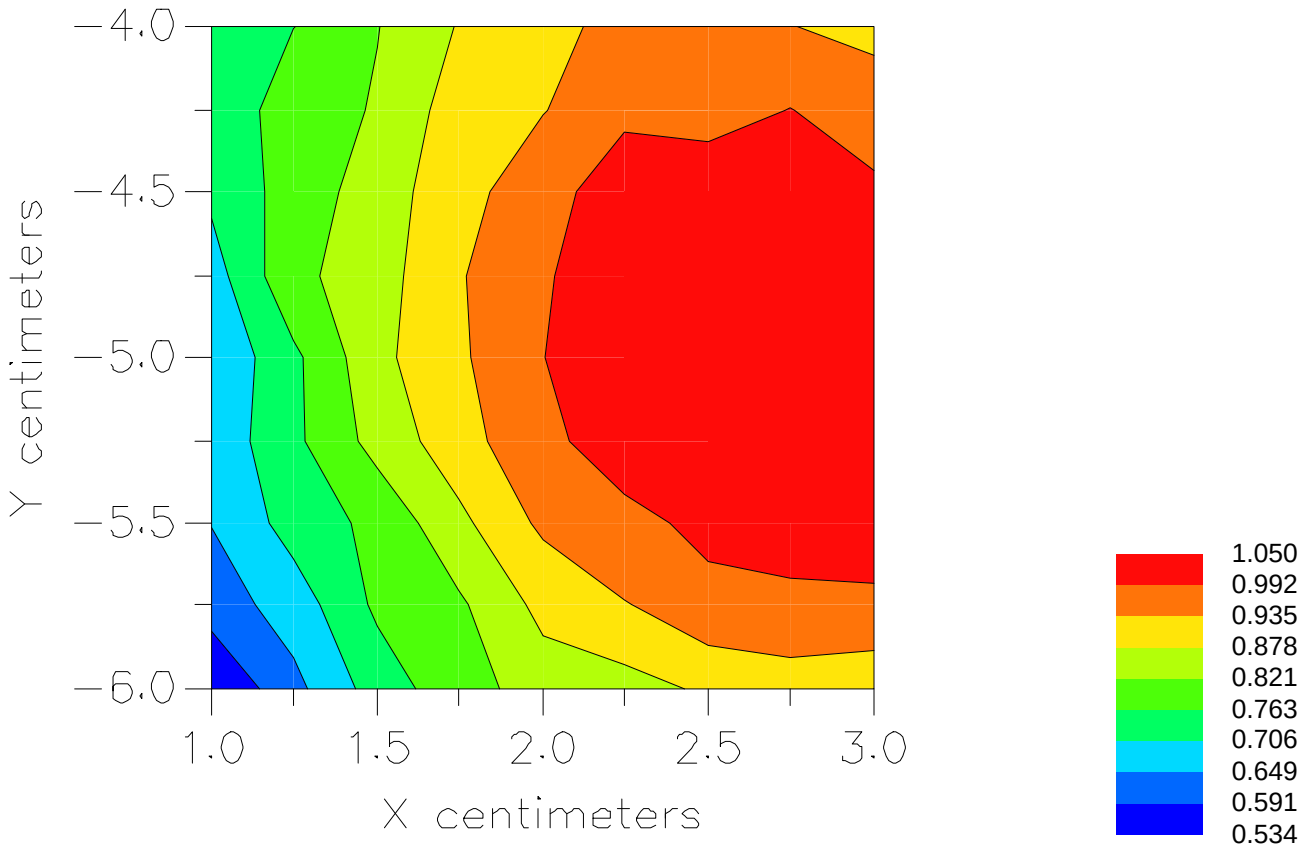
SAR Scan
File : 01010805_ZOOM
Start : 8-Jan-101 11:09:34 am End : 8-Jan-101 11:19:33 am
LGE/LG-TM220/2;824.04MHz;W;Helical/Out;
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/41.500/0.900



File : 01010805_ZOOM
Start : 8-Jan-101 11:09:34 am End : 8-Jan-101 11:19:33 am
LGE/LG-TM220/2;824.04MHz;W;Helical/Out;
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/41.500/0.900



File : 01010805_ZOOM
Start : 8-Jan-101 11:09:34 am End : 8-Jan-101 11:19:33 am
LGE/LG-TM220/2;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/01010801_ZOOM.VLT
Start : 8-Jan-101 09:47:59 am End : 8-Jan-101 09:57:32 am

Radio Type : LGE
Model Number : LG-TM220
Serial Number : 2
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 :
LGE TRI-MODE PHONE - AMPS MODE
CHAN 0383 Conducted 26.5 dBm
LGE 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 = 3.000, Y = -4.750, Z = 0.000 (cm) Value = 13.223

Measured Values (volts) =

1.321E-002	1.113E-002	9.672E-003	8.427E-003	7.117E-003	5.745E-003
4.418E-003	3.300E-003	2.607E-003	2.103E-003	1.933E-003	2.154E-003
2.494E-003	2.883E-003	3.123E-003	2.952E-003	2.162E-003	1.512E-003
1.267E-003	5.755E-004	5.019E-004			

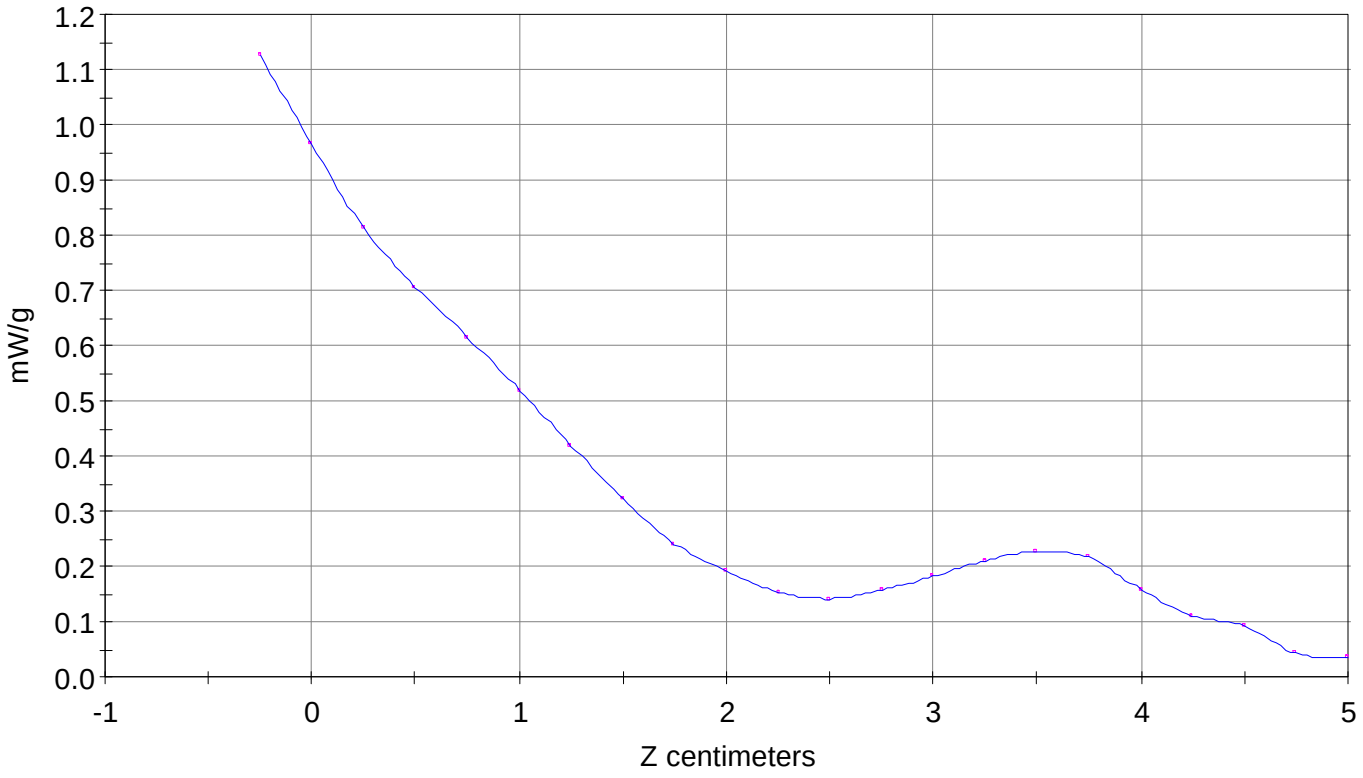
Calc. Voltage @ Surface (Vs) = 0.0154

Voltage @ 1.00 cm (Vt) = 0.0084

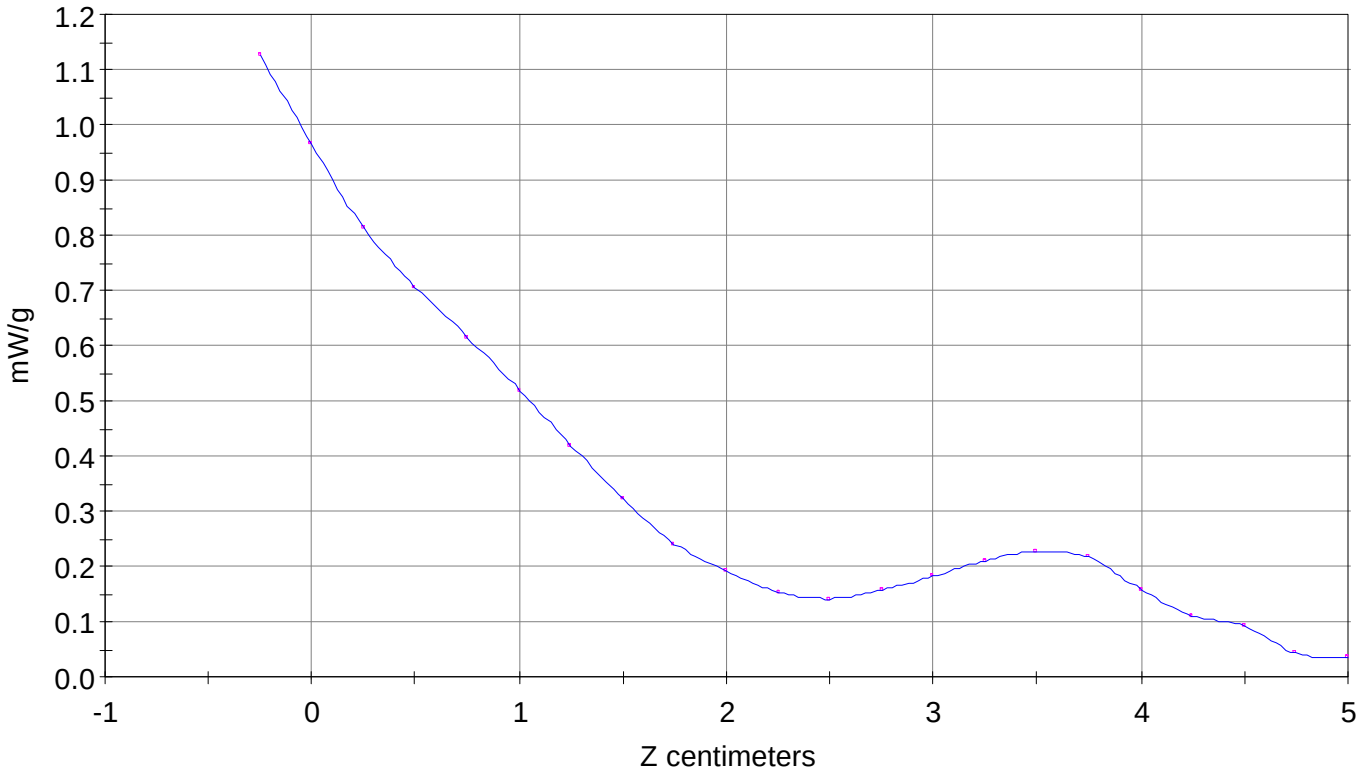
Ave. Voltage (Vs+Vt)/2 = 0.0119

Ave. SAR over 1 g (mW/g) = 0.8704

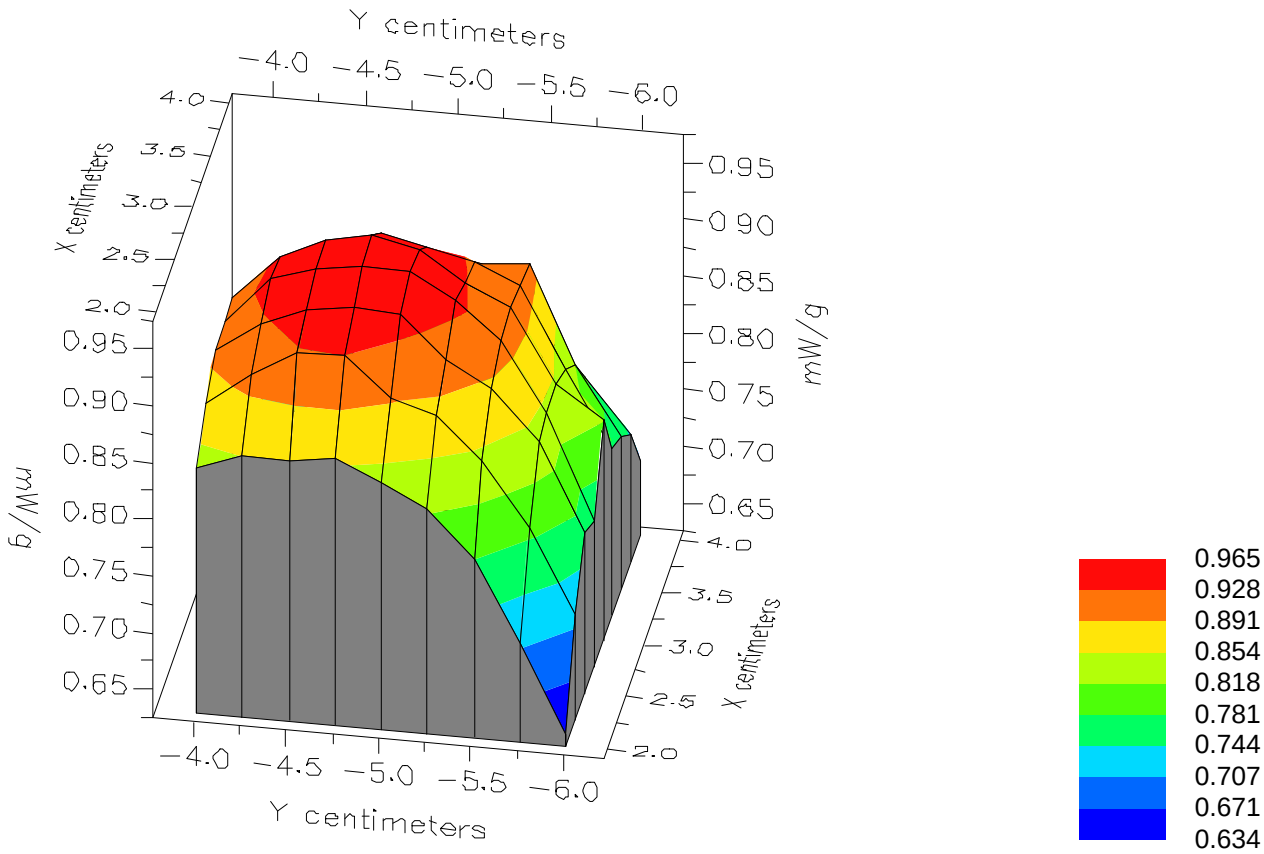
SAR Scan
File : 01010801_ZOOM
Start : 8-Jan-101 09:47:59 am End : 8-Jan-101 09:57:32 am
LGE/LG-TM220/2;836.49MHz;W;Helical/In;
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/41.500/0.900



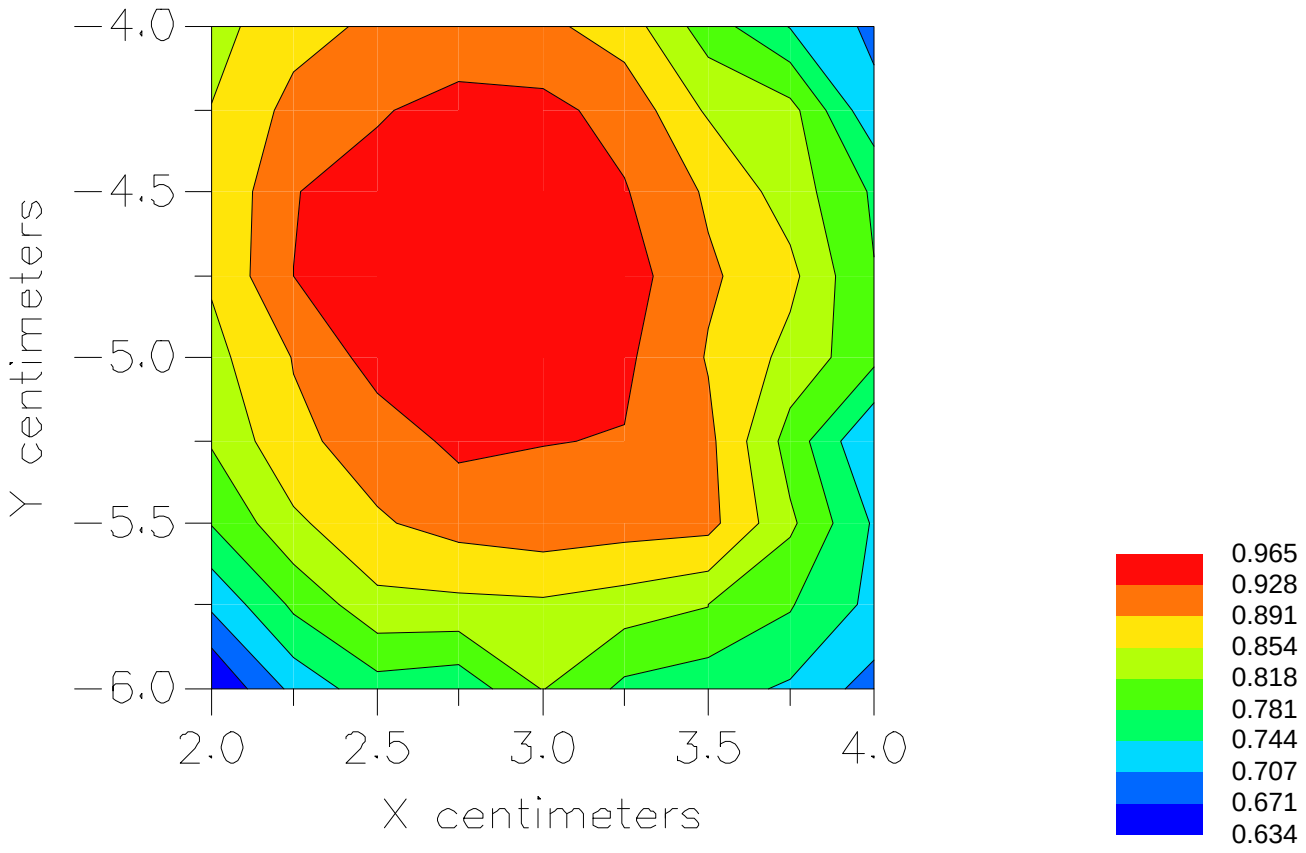
SAR Scan
File : 01010801_ZOOM
Start : 8-Jan-101 09:47:59 am End : 8-Jan-101 09:57:32 am
LGE/LG-TM220/2;836.49MHz;W;Helical/In;
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/41.500/0.900



File : 01010801_ZOOM
Start : 8-Jan-101 09:47:59 am End : 8-Jan-101 09:57:32 am
LGE/LG-TM220/2;836.49MHz;W;Helical/In;
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/41.500/0.900



File : 01010801_ZOOM
Start : 8-Jan-101 09:47:59 am End : 8-Jan-101 09:57:32 am
LGE/LG-TM220/2;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/01010802_ZOOM.VLT
Start : 8-Jan-101 10:07:28 am End : 8-Jan-101 10:17:01 am

Radio Type : LGE
Model Number : LG-TM220
Serial Number : 2
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 :
LGE TRI-MODE PHONE - AMPS MODE
CHAN 0383 Conducted 26.5 dBm
LGE 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 = 2.750, Y = -4.750, Z = 0.000 (cm) Value = 14.014

Measured Values (volts) =

1.417E-002	1.185E-002	1.060E-002	9.171E-003	7.831E-003	6.323E-003
5.001E-003	3.744E-003	2.899E-003	2.324E-003	2.174E-003	2.385E-003
2.776E-003	3.222E-003	3.459E-003	3.290E-003	2.581E-003	1.938E-003
1.789E-003	7.785E-004	6.513E-004			

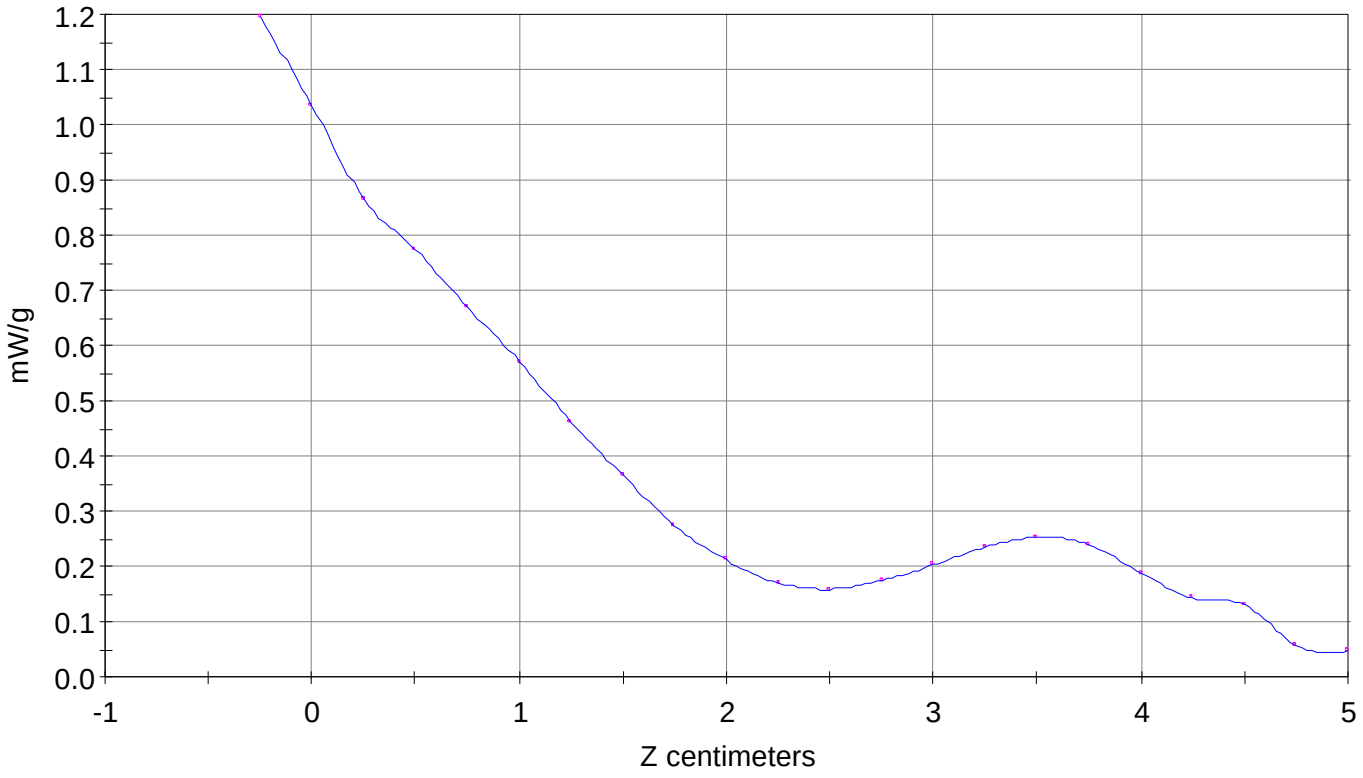
Calc. Voltage @ Surface (Vs) = 0.0164

Voltage @ 1.00 cm (Vt) = 0.0092

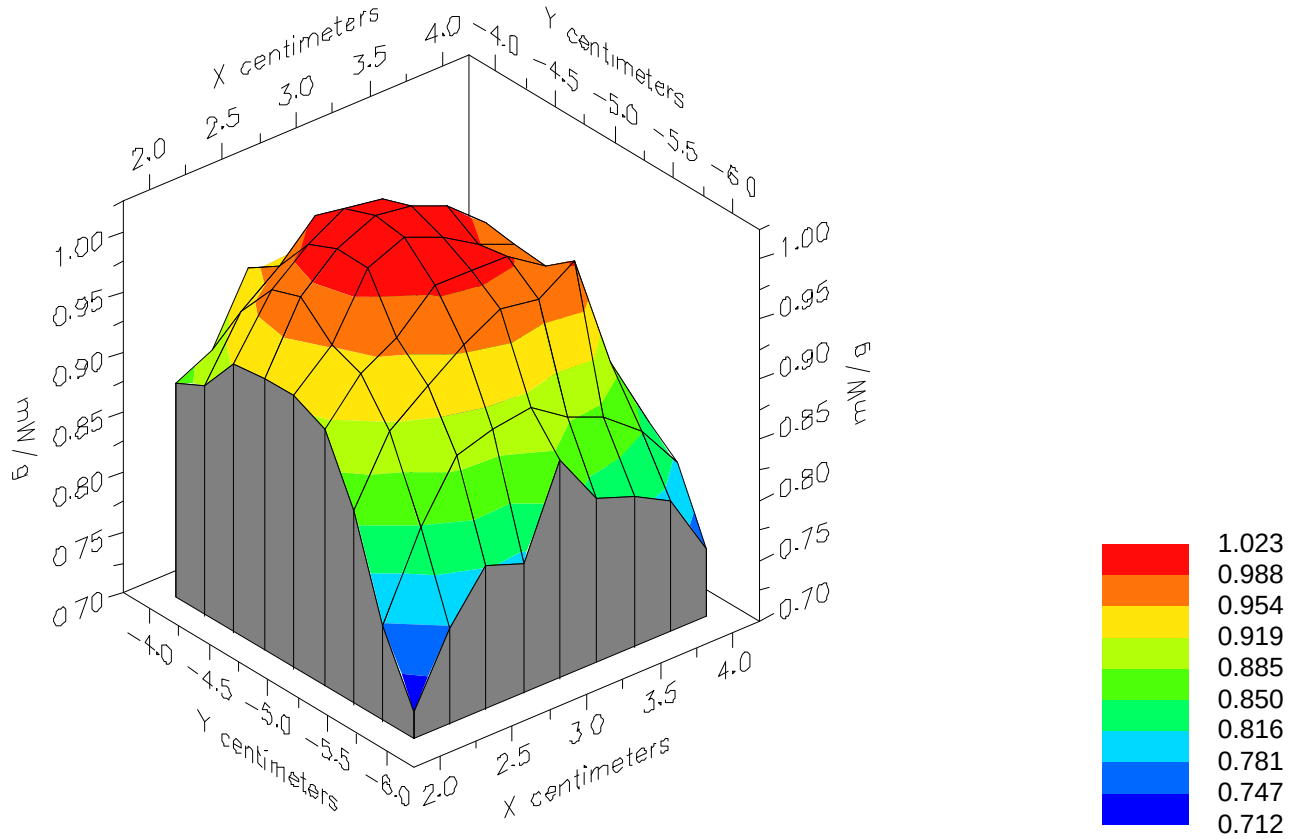
Ave. Voltage (Vs+Vt)/2 = 0.0128

Ave. SAR over 1 g (mW/g) = 0.9326

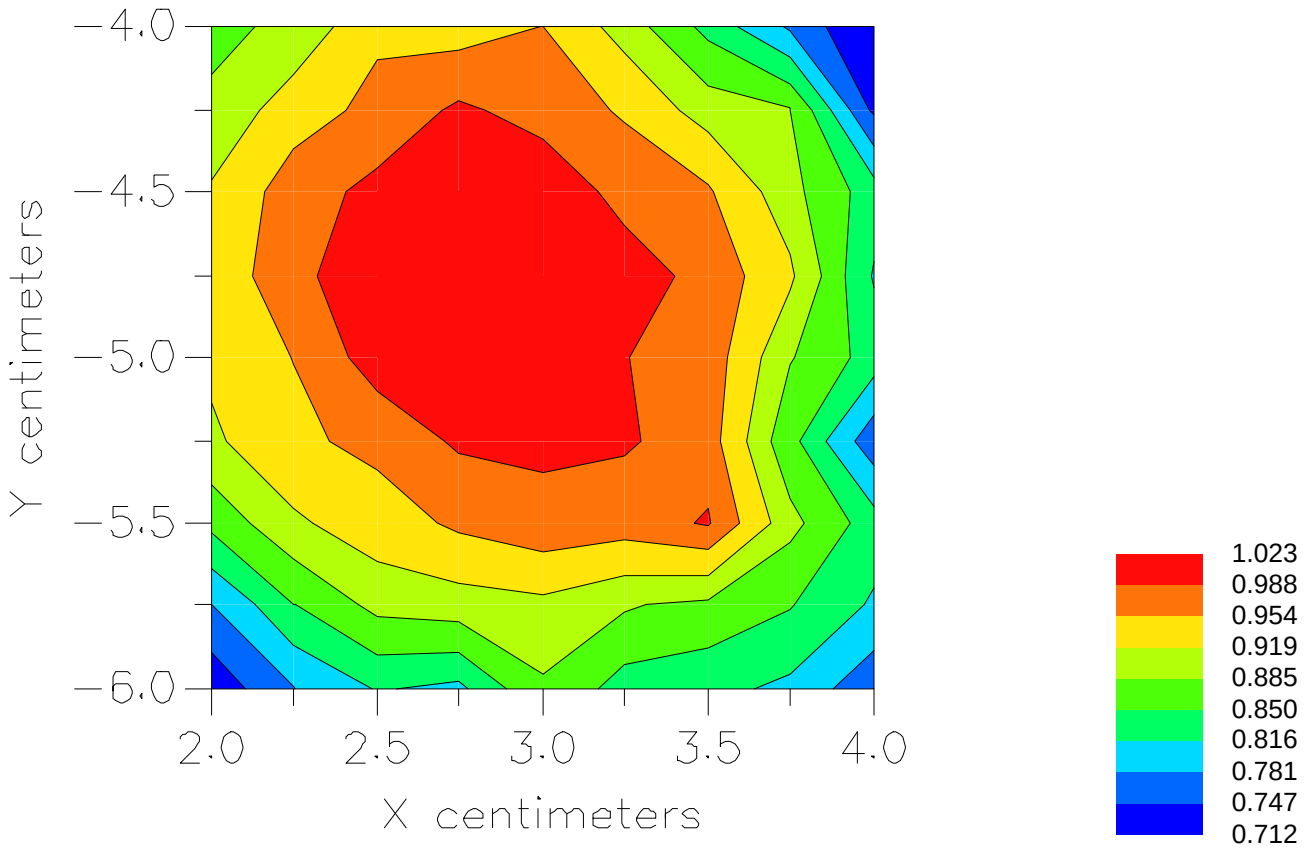
SAR Scan
File : 01010802_ZOOM
Start : 8-Jan-101 10:07:28 am End : 8-Jan-101 10:17:01 am
LGE/LG-TM220/2;836.49MHz;W;Helical/Out;
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/41.500/0.900



File : 01010802_ZOOM
Start : 8-Jan-101 10:07:28 am End : 8-Jan-101 10:17:01 am
LGE/LG-TM220/2;836.49MHz;W;Helical/Out;
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/41.500/0.900



File : 01010802_ZOOM
Start : 8-Jan-101 10:07:28 am End : 8-Jan-101 10:17:01 am
LGE/LG-TM220/2;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/01010804_ZOOM.VLT
Start : 8-Jan-101 10:49:02 am End : 8-Jan-101 10:58:40 am

Radio Type : LGE
Model Number : LG-TM220
Serial Number : 2
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 :
LGE TRI-MODE PHONE - AMPS MODE
CHAN 0799 Conducted 26.5 dBm
LGE 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 = 2.750, Y = -5.000, Z = 0.000 (cm) Value = 18.631

Measured Values (volts) =

1.828E-002	1.573E-002	1.378E-002	1.221E-002	1.029E-002	8.356E-003
6.561E-003	4.870E-003	3.592E-003	2.891E-003	2.658E-003	2.970E-003
3.505E-003	4.067E-003	4.458E-003	4.271E-003	3.352E-003	2.222E-003
1.756E-003	8.700E-004	7.384E-004			

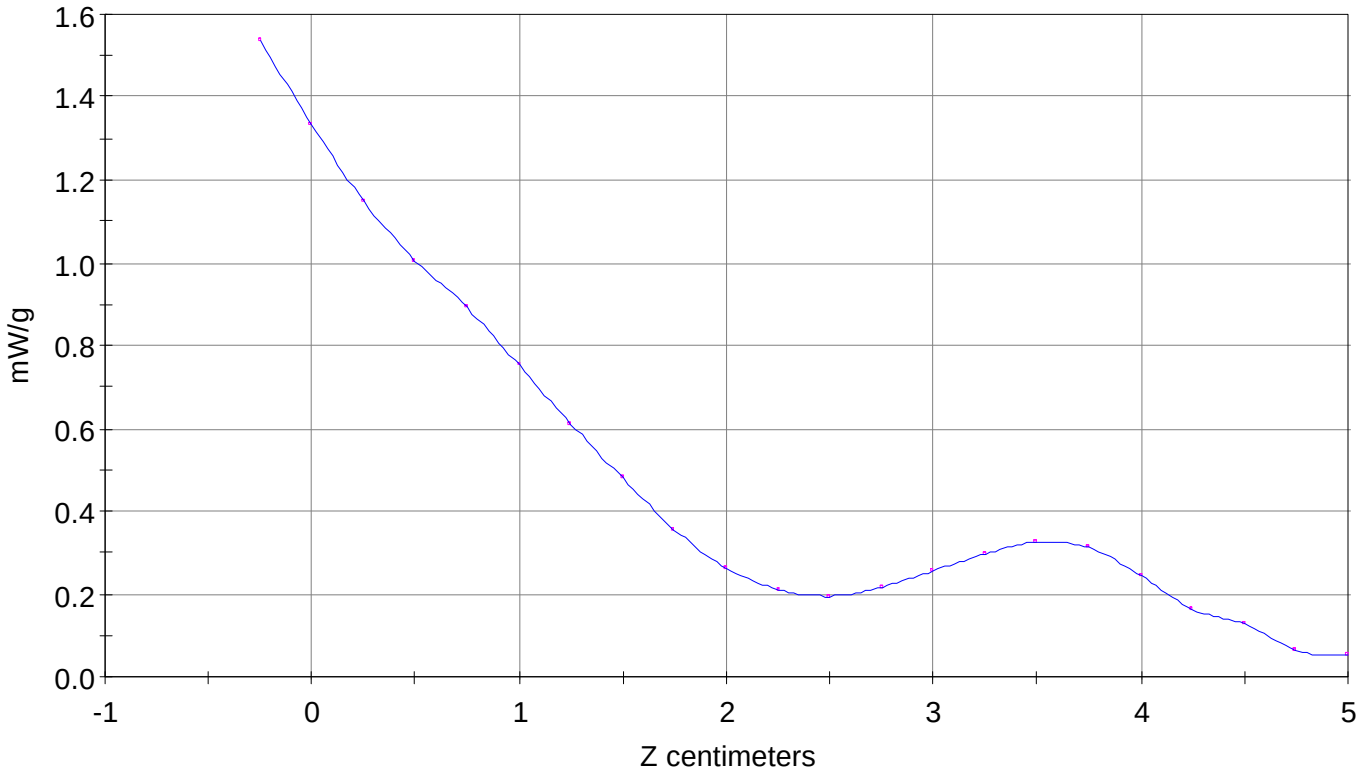
Calc. Voltage @ Surface (Vs) = 0.0211

Voltage @ 1.00 cm (Vt) = 0.0122

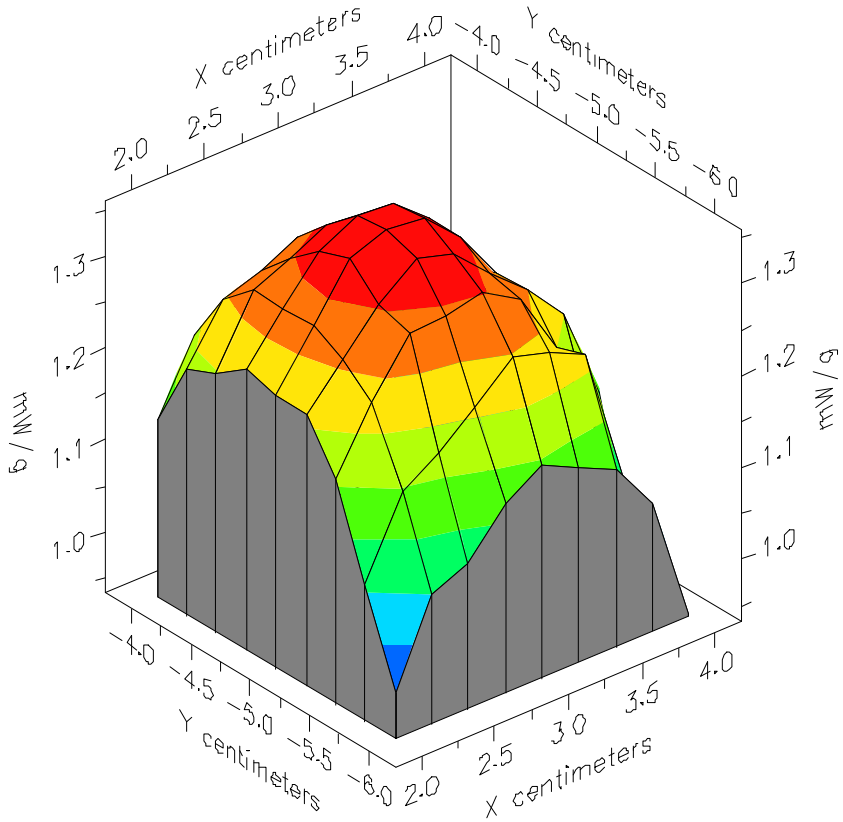
Ave. Voltage (Vs+Vt)/2 = 0.0166

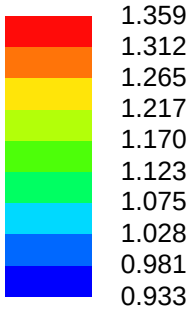
Ave. SAR over 1 g (mW/g) = 1.2140

SAR Scan
File : 01010804_ZOOM
Start : 8-Jan-101 10:49:02 am End : 8-Jan-101 10:58:40 am
LGE/LG-TM220/2;848.97MHz;W;Helical/In;
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/41.500/0.900

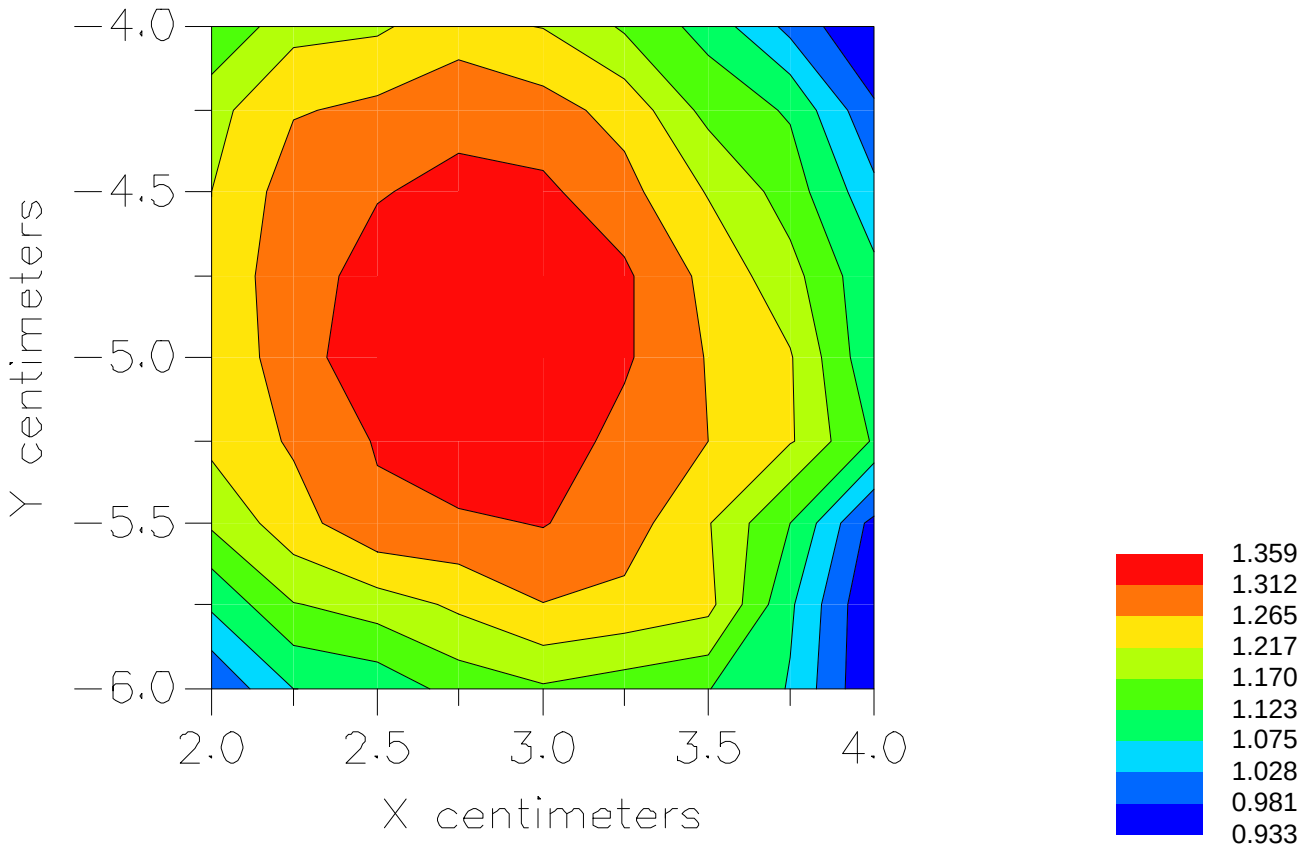


File : 01010804_ZOOM
Start : 8-Jan-101 10:49:02 am End : 8-Jan-101 10:58:40 am
LGE/LG-TM220/2;848.97MHz;W;Helical/In;
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/41.500/0.900





File : 01010804_ZOOM
Start : 8-Jan-101 10:49:02 am End : 8-Jan-101 10:58:40 am
LGE/LG-TM220/2;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/01010808_ZOOM.VLT
Start : 8-Jan-101 12:13:05 pm End : 8-Jan-101 12:22:35 pm

Radio Type : LGE
Model Number : LG-TM220
Serial Number : 2
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 :
LGE TRI-MODE PHONE - AMPS MODE
CHAN 0799 Conducted 26.5 dBm
LGE 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 = 2.750, Y = -5.000, Z = 0.000 (cm) Value = 20.261

Measured Values (volts) =

1.951E-002	1.667E-002	1.461E-002	1.281E-002	1.100E-002	8.912E-003
6.927E-003	5.177E-003	3.908E-003	3.186E-003	3.011E-003	3.323E-003
3.969E-003	4.469E-003	4.853E-003	4.581E-003	3.543E-003	2.700E-003
1.291E-003	1.099E-003	9.373E-004			

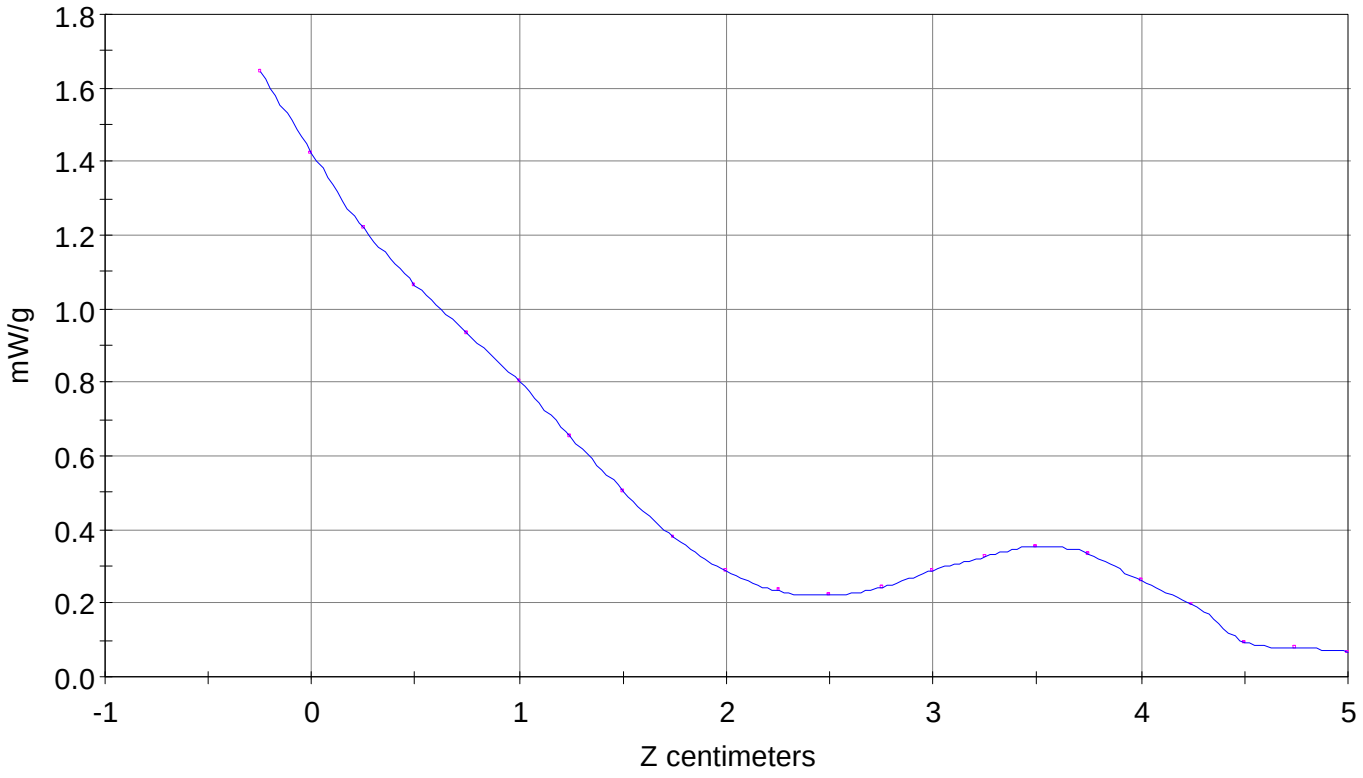
Calc. Voltage @ Surface (Vs) = 0.0225

Voltage @ 1.00 cm (Vt) = 0.0128

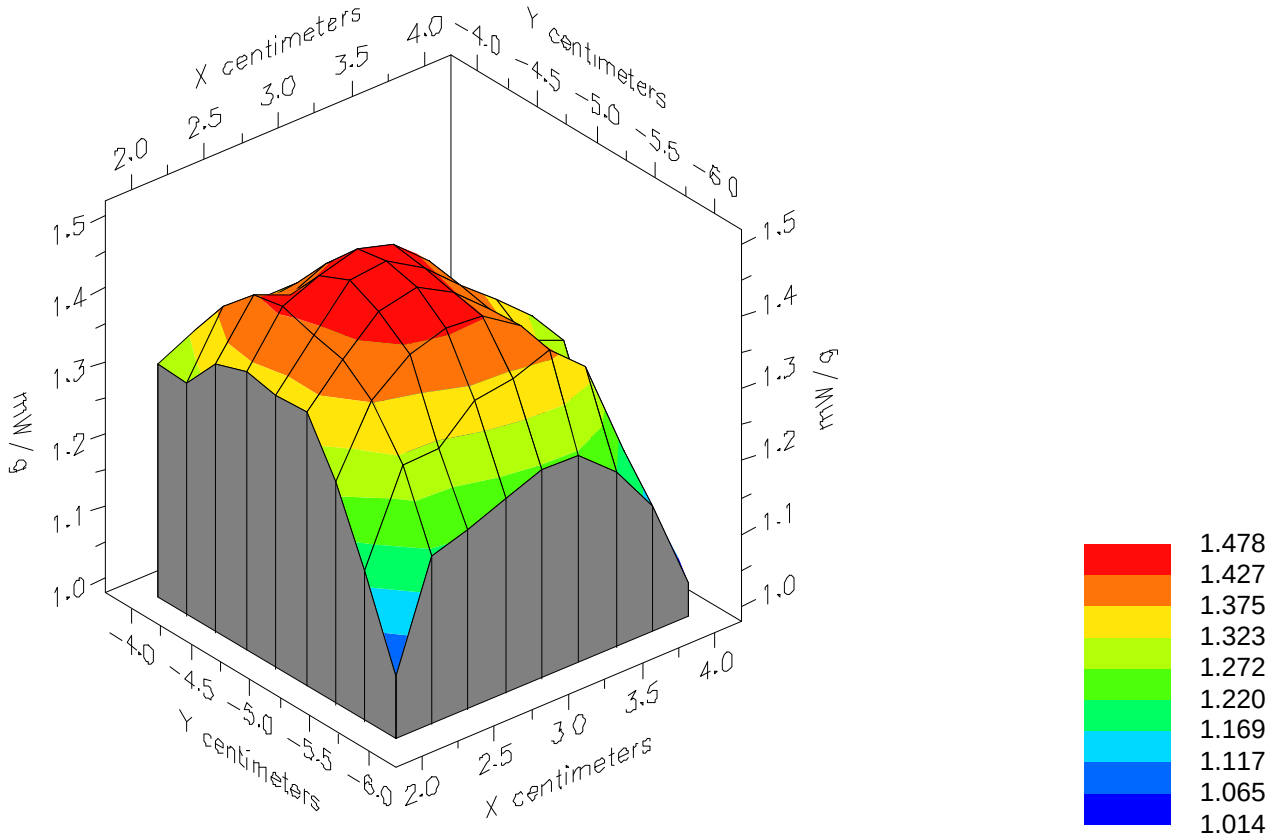
Ave. Voltage (Vs+Vt)/2 = 0.0177

Ave. SAR over 1 g (mW/g) = 1.2896

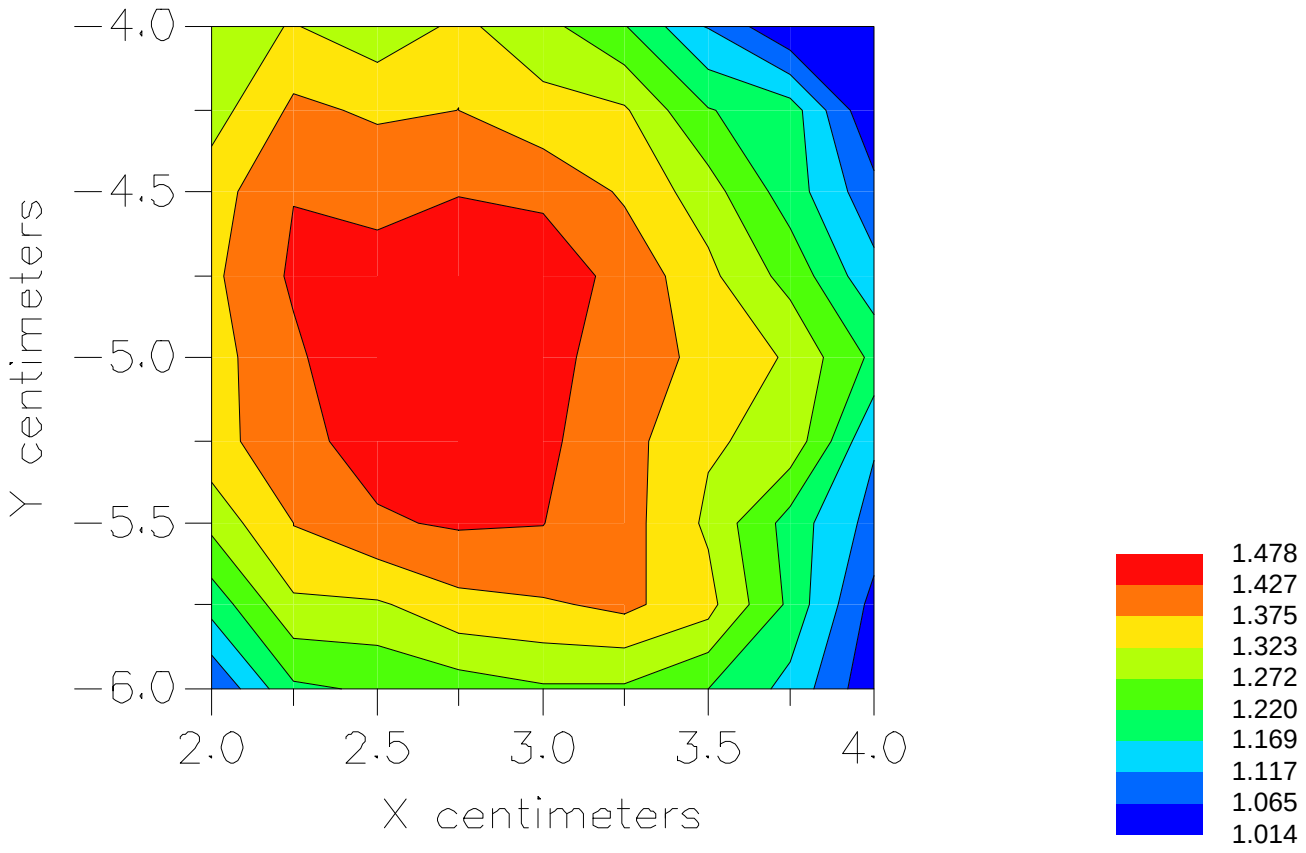
SAR Scan
File : 01010808_ZOOM
Start : 8-Jan-101 12:13:05 pm End : 8-Jan-101 12:22:35 pm
LGE/LG-TM220/2;848.97MHz;W;Helical/Out;
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/41.500/0.900



File : 01010808_ZOOM
Start : 8-Jan-101 12:13:05 pm End : 8-Jan-101 12:22:35 pm
LGE/LG-TM220/2;848.97MHz;W;Helical/Out;
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/41.500/0.900



File : 01010808_ZOOM
Start : 8-Jan-101 12:13:05 pm End : 8-Jan-101 12:22:35 pm
LGE/LG-TM220/2;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/01010815_ZOOM.VLT
Start : 8-Jan-101 03:41:52 pm End : 8-Jan-101 03:51:37 pm

Radio Type : LGE
Model Number : LG-TM220
Serial Number : 1
Frequency : 824.04 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 :
LGE TRI-MODE PHONE - CDMA MODE
CHAN 1013 Conducted 25.0 dBm
LGE 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 = 3.000, Y = -4.500, Z = 0.000 (cm) Value = 11.361

Measured Values (volts) =

1.104E-002	9.261E-003	7.983E-003	6.777E-003	5.675E-003	4.512E-003
3.448E-003	2.543E-003	1.896E-003	1.587E-003	1.557E-003	1.728E-003
2.079E-003	2.404E-003	2.569E-003	2.387E-003	1.688E-003	1.140E-003
7.316E-004	4.326E-004	3.530E-004			

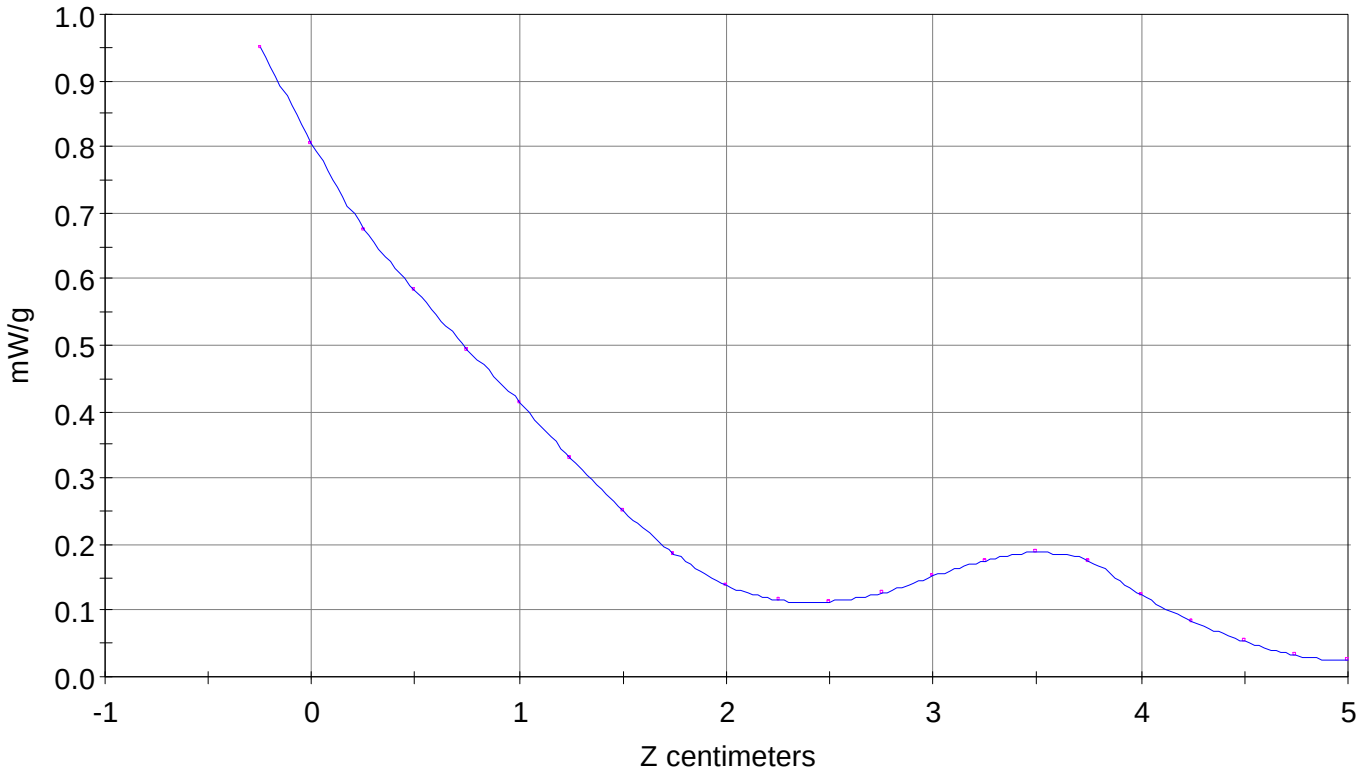
Calc. Voltage @ Surface (Vs) = 0.0130

Voltage @ 1.00 cm (Vt) = 0.0068

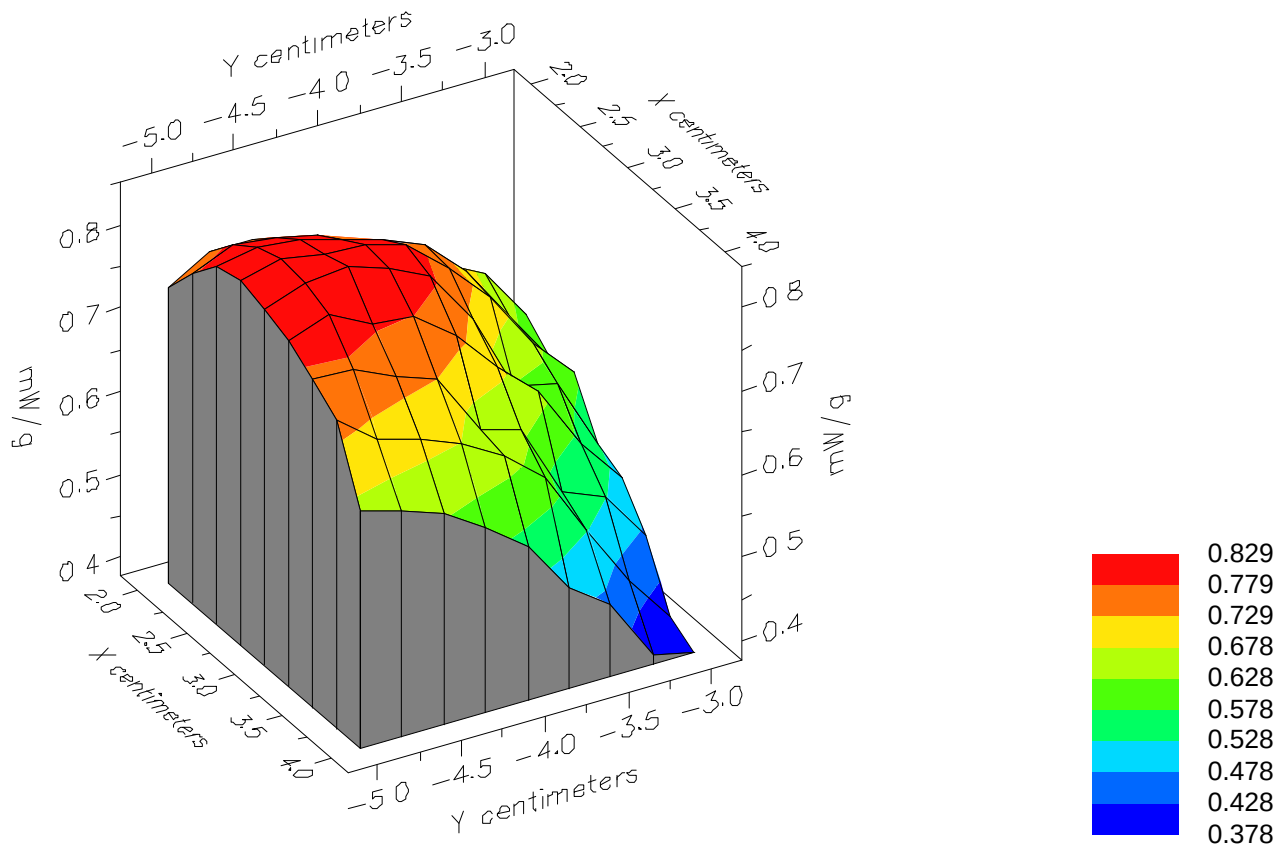
Ave. Voltage (Vs+Vt)/2 = 0.0099

Ave. SAR over 1 g (mW/g) = 0.7212

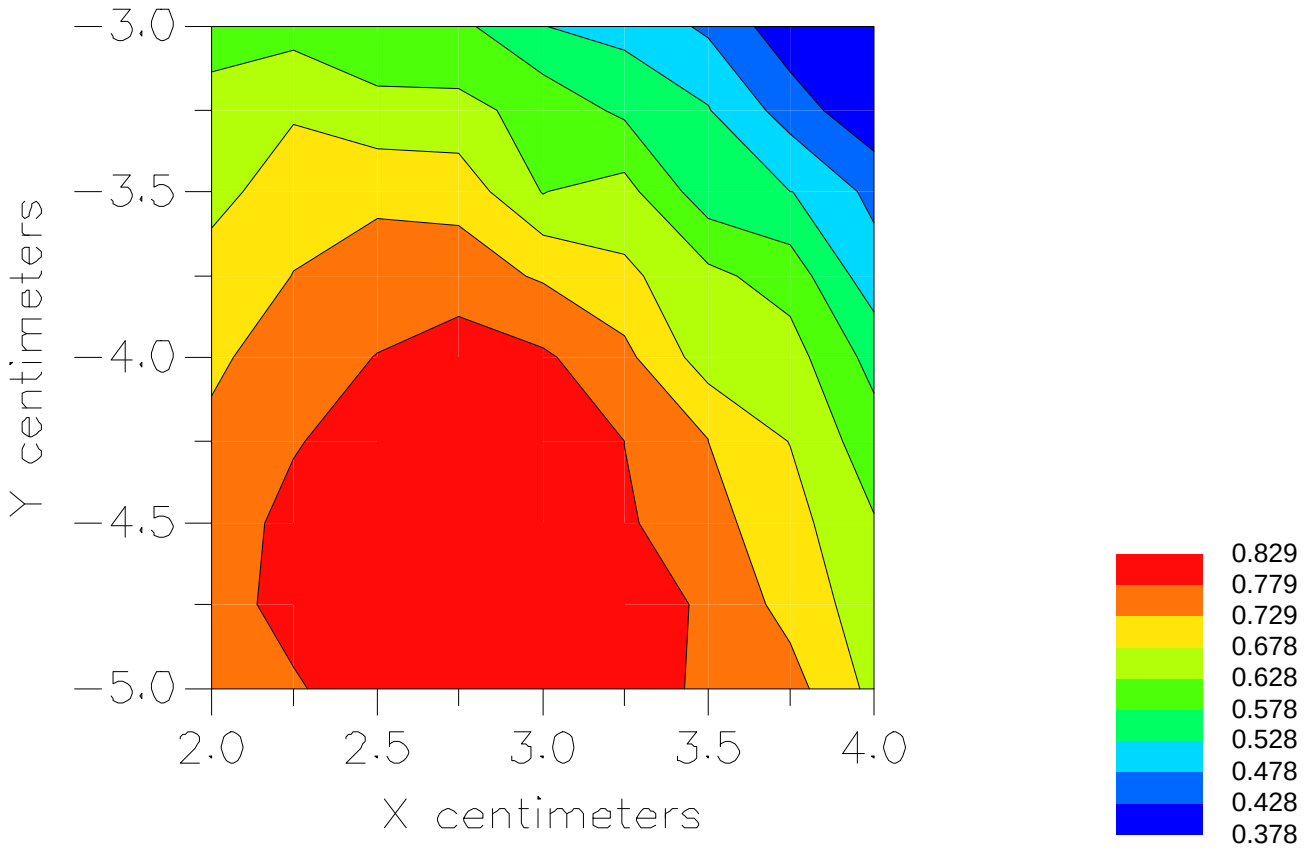
SAR Scan
File : 01010815_ZOOM
Start : 8-Jan-101 03:41:52 pm End : 8-Jan-101 03:51:37 pm
LGE/LG-TM220/1;824.04MHz;W;Helical/In;
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/41.500/0.900



File : 01010815_ZOOM
Start : 8-Jan-101 03:41:52 pm End : 8-Jan-101 03:51:37 pm
LGE/LG-TM220/1;824.04MHz;W;Helical/In;
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/41.500/0.900



File : 01010815_ZOOM
Start : 8-Jan-101 03:41:52 pm End : 8-Jan-101 03:51:37 pm
LGE/LG-TM220/1;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/01010814_ZOOM.VLT
Start : 8-Jan-101 03:16:34 pm End : 8-Jan-101 03:26:09 pm

Radio Type : LGE
Model Number : LG-TM220
Serial Number : 1
Frequency : 824.04 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 :
LGE TRI-MODE PHONE - CDMA MODE
CHAN 1013 Conducted 25.0 dBm
LGE 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 = 2.750, Y = -5.000, Z = 0.000 (cm) Value = 13.333

Measured Values (volts) =

1.310E-002	1.119E-002	9.777E-003	8.337E-003	7.026E-003	5.587E-003
4.337E-003	3.189E-003	2.476E-003	2.004E-003	1.917E-003	2.147E-003
2.521E-003	2.863E-003	3.085E-003	2.851E-003	2.204E-003	1.723E-003
1.508E-003	5.989E-004	4.764E-004			

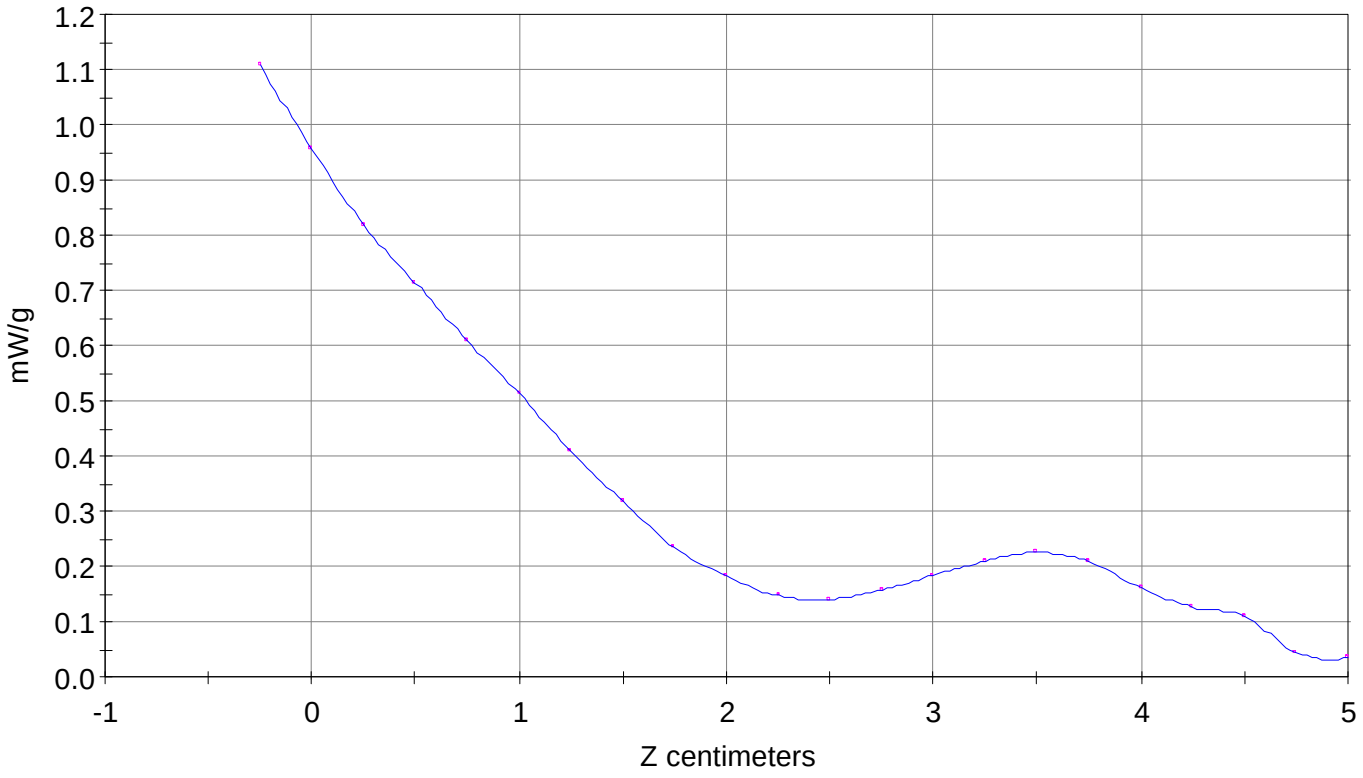
Calc. Voltage @ Surface (Vs) = 0.0152

Voltage @ 1.00 cm (Vt) = 0.0083

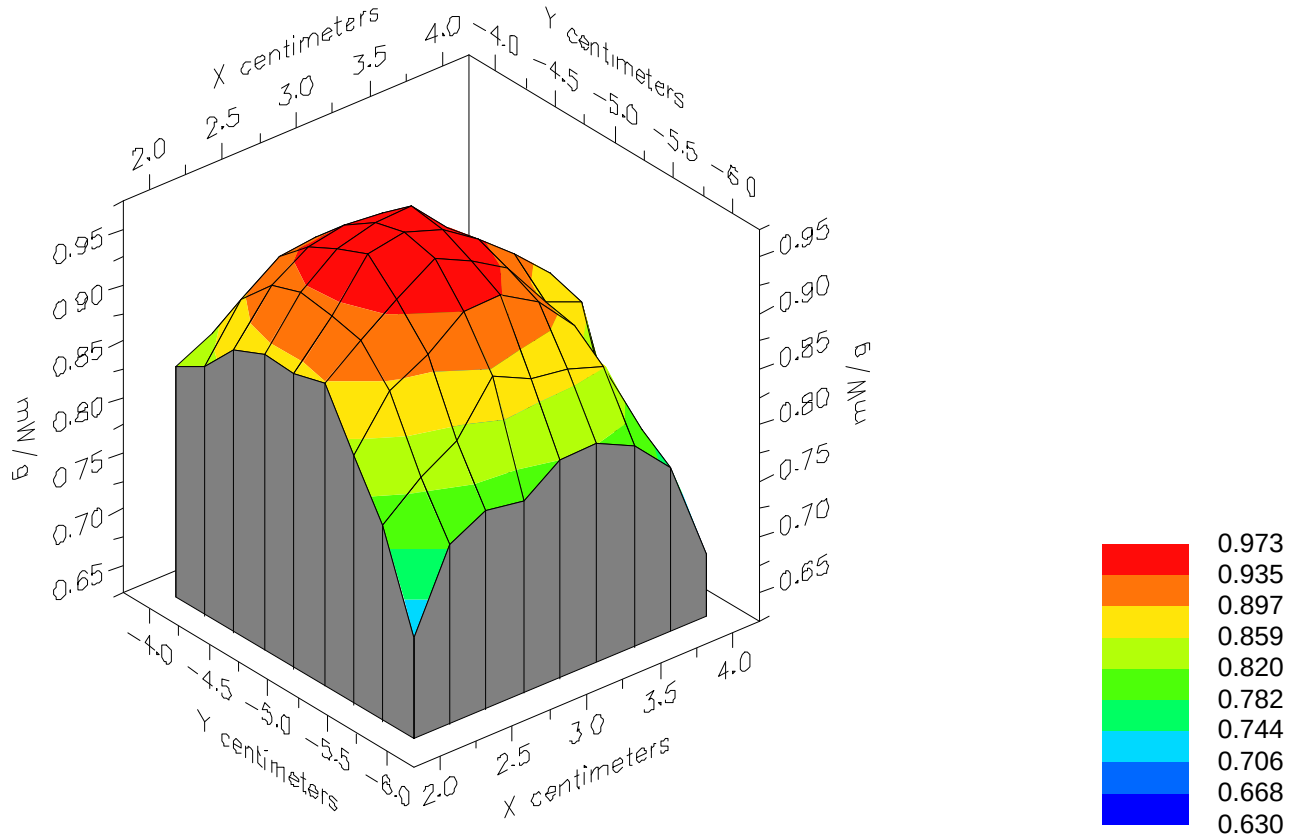
Ave. Voltage (Vs+Vt)/2 = 0.0118

Ave. SAR over 1 g (mW/g) = 0.8576

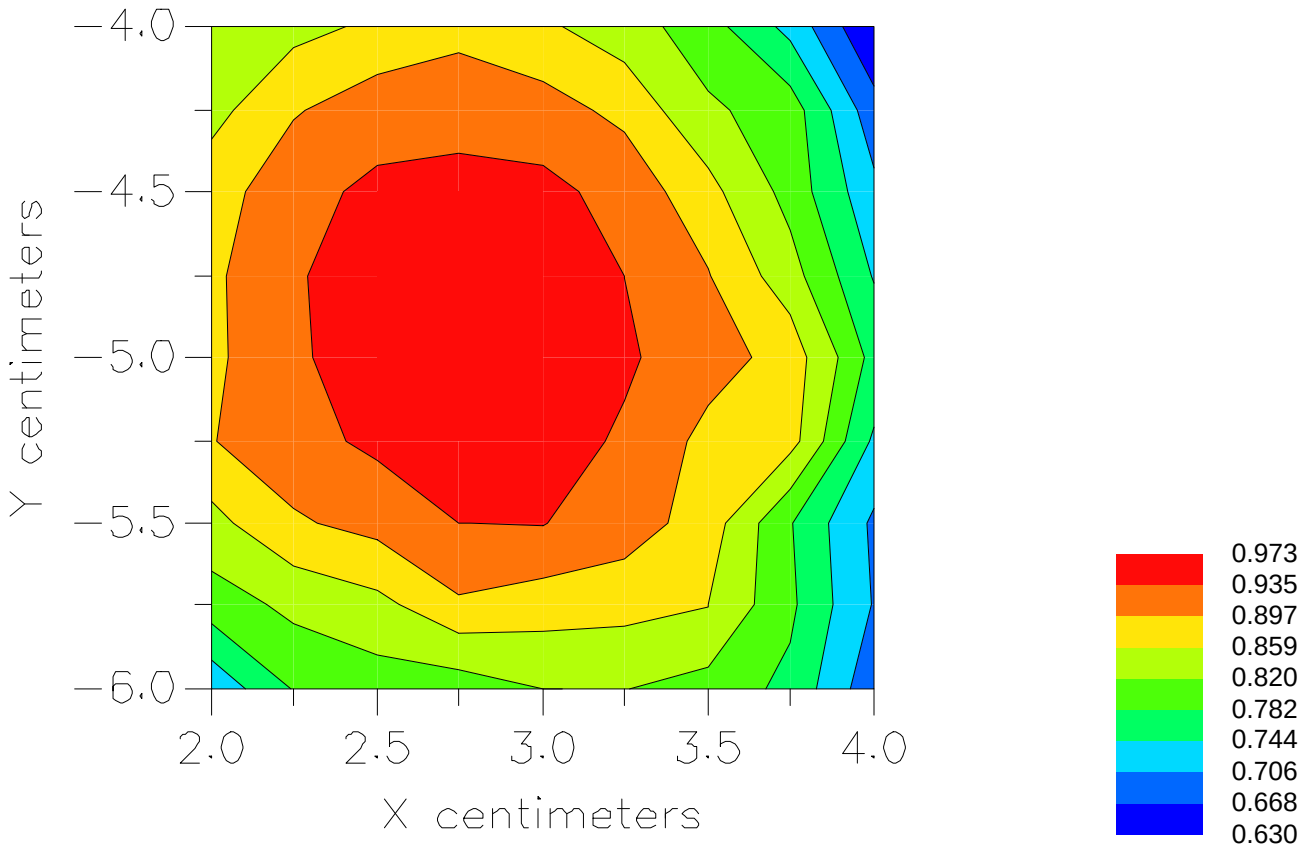
SAR Scan
File : 01010814_ZOOM
Start : 8-Jan-101 03:16:34 pm End : 8-Jan-101 03:26:09 pm
LGE/LG-TM220/1;824.04MHz;W;Helical/Out;
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/41.500/0.900



File : 01010814_ZOOM
Start : 8-Jan-101 03:16:34 pm End : 8-Jan-101 03:26:09 pm
LGE/LG-TM220/1;824.04MHz;W;Helical/Out;
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/41.500/0.900



File : 01010814_ZOOM
Start : 8-Jan-101 03:16:34 pm End : 8-Jan-101 03:26:09 pm
LGE/LG-TM220/1;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/01010811_ZOOM.VLT
Start : 8-Jan-101 02:14:29 pm End : 8-Jan-101 02:24:07 pm

Radio Type : LGE
Model Number : LG-TM220
Serial Number : 1
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 :
LGE TRI-MODE PHONE -CDMA MODE
CHAN 0363 Conducted 25.0 dBm
LGE 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 = 3.000, Y = -5.000, Z = 0.000 (cm) Value = 9.319

Measured Values (volts) =

9.328E-003	7.821E-003	6.742E-003	5.783E-003	4.804E-003	3.727E-003
2.890E-003	2.130E-003	1.666E-003	1.399E-003	1.391E-003	1.591E-003
1.864E-003	2.091E-003	2.186E-003	1.973E-003	1.375E-003	1.045E-003
5.024E-004	4.044E-004	3.391E-004			

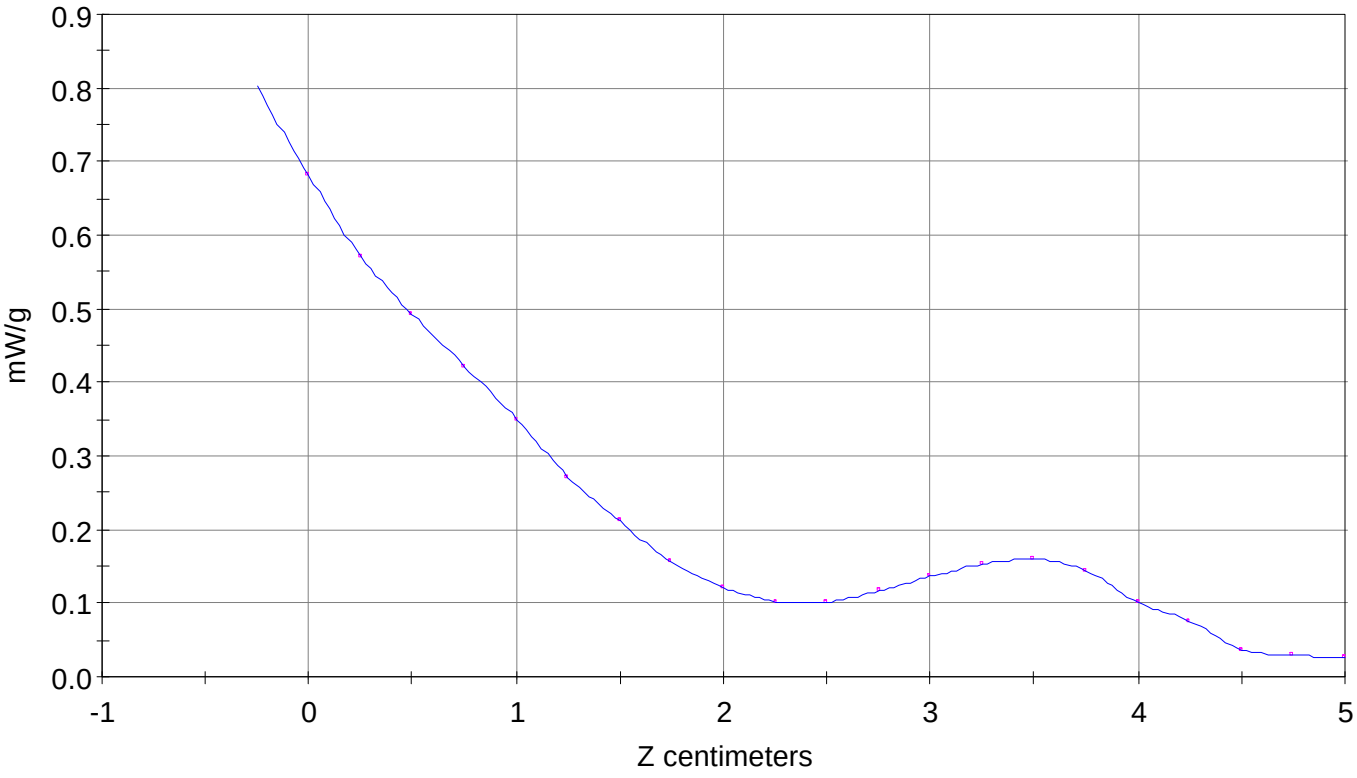
Calc. Voltage @ Surface (Vs) = 0.0110

Voltage @ 1.00 cm (Vt) = 0.0058

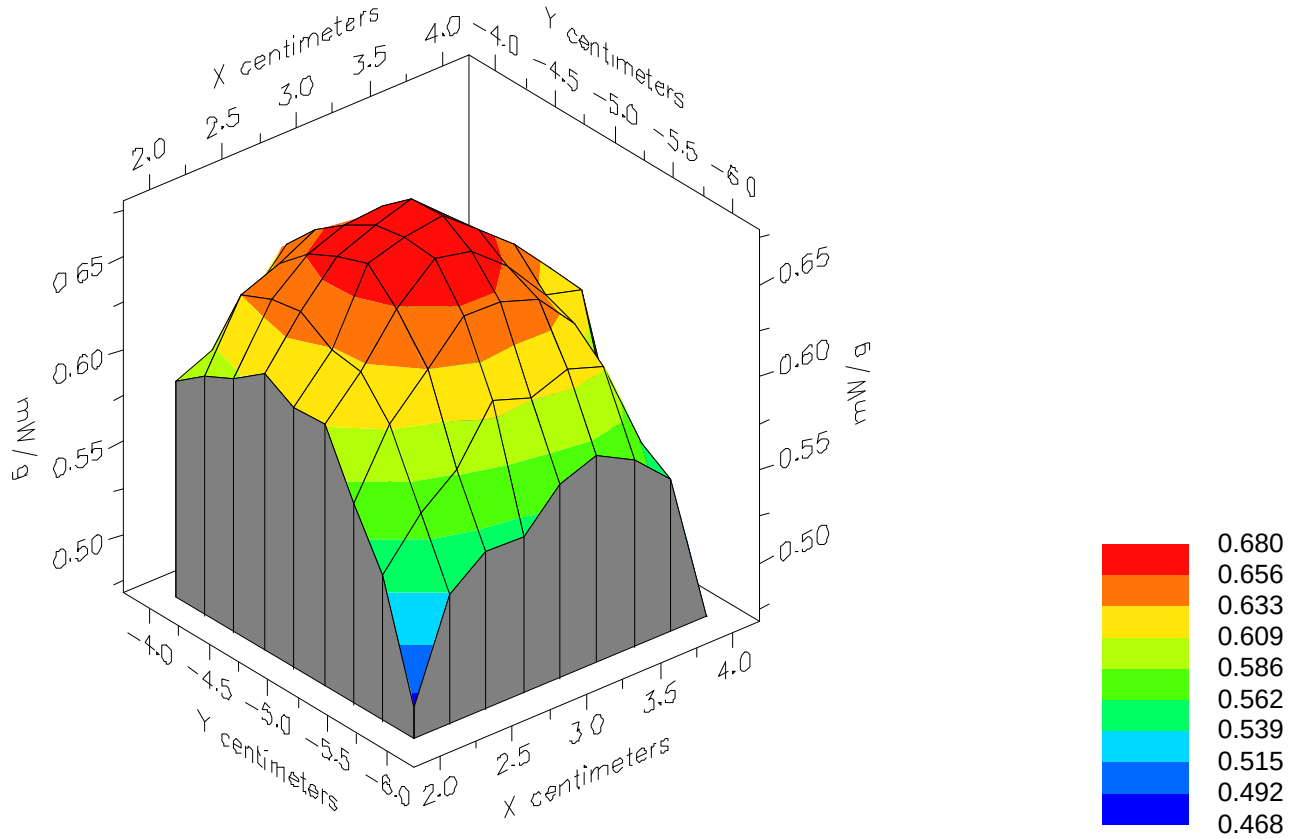
Ave. Voltage (Vs+Vt)/2 = 0.0084

Ave. SAR over 1 g (mW/g) = 0.6112

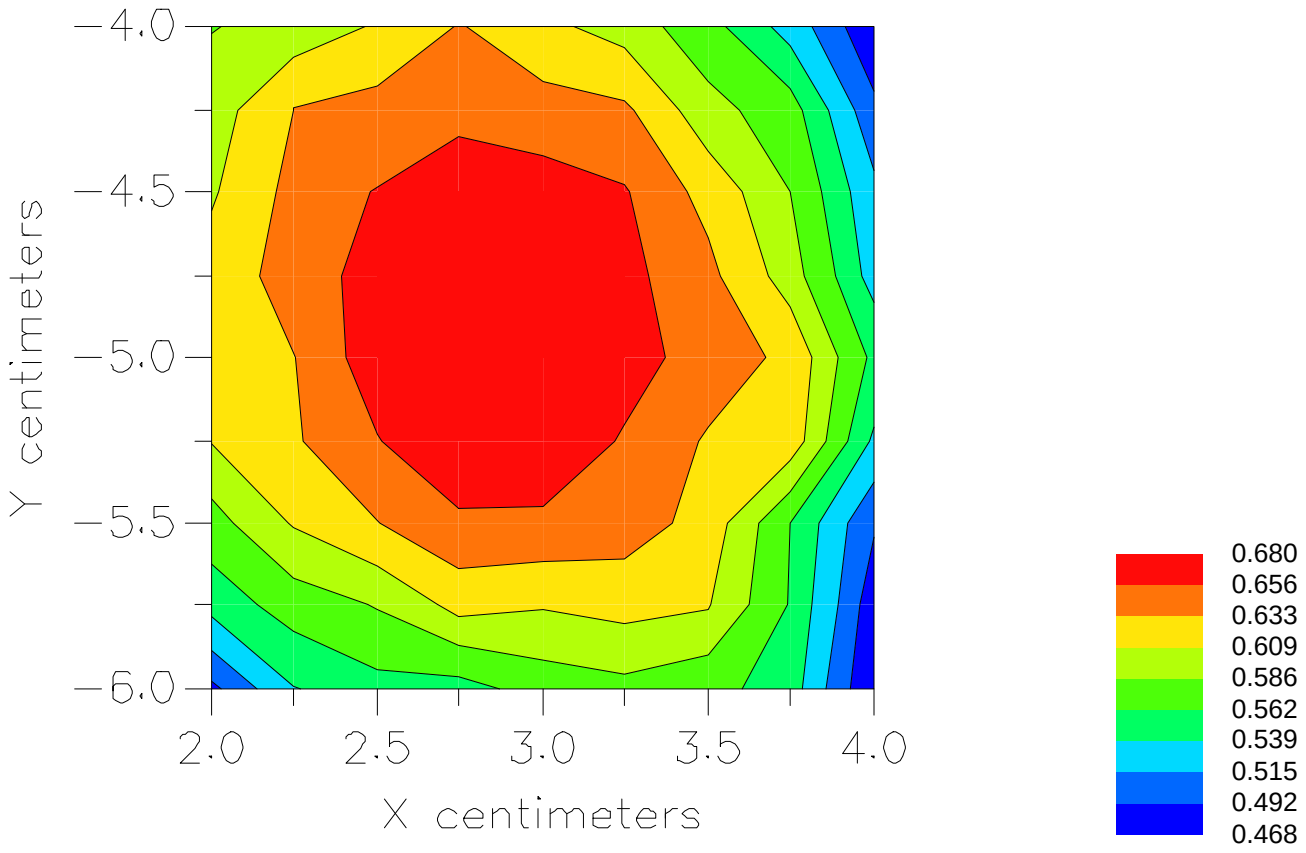
SAR Scan
File : 01010811_ZOOM
Start : 8-Jan-101 02:14:29 pm End : 8-Jan-101 02:24:07 pm
LGE/LG-TM220/1;835.89MHz;W;Helical/In;
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/41.500/0.900



File : 01010811_ZOOM
Start : 8-Jan-101 02:14:29 pm End : 8-Jan-101 02:24:07 pm
LGE/LG-TM220/1;835.89MHz;W;Helical/In;
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/41.500/0.900



File : 01010811_ZOOM
Start : 8-Jan-101 02:14:29 pm End : 8-Jan-101 02:24:07 pm
LGE/LG-TM220/1;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/01010810_ZOOM.VLT
Start : 8-Jan-101 01:54:59 pm End : 8-Jan-101 02:04:44 pm

Radio Type : LGE
Model Number : LG-TM220
Serial Number : 1
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 :
LGE TRI-MODE PHONE -CDMA MODE
CHAN 0363 Conducted 25.0 dBm
LGE 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 = 3.000, Y = -4.750, Z = 0.000 (cm) Value = 10.190

Measured Values (volts) =

9.662E-003	7.944E-003	6.899E-003	6.063E-003	5.049E-003	3.985E-003
3.098E-003	2.295E-003	1.786E-003	1.533E-003	1.551E-003	1.691E-003
1.962E-003	2.237E-003	2.332E-003	2.073E-003	1.548E-003	1.239E-003
6.188E-004	4.830E-004	4.487E-004			

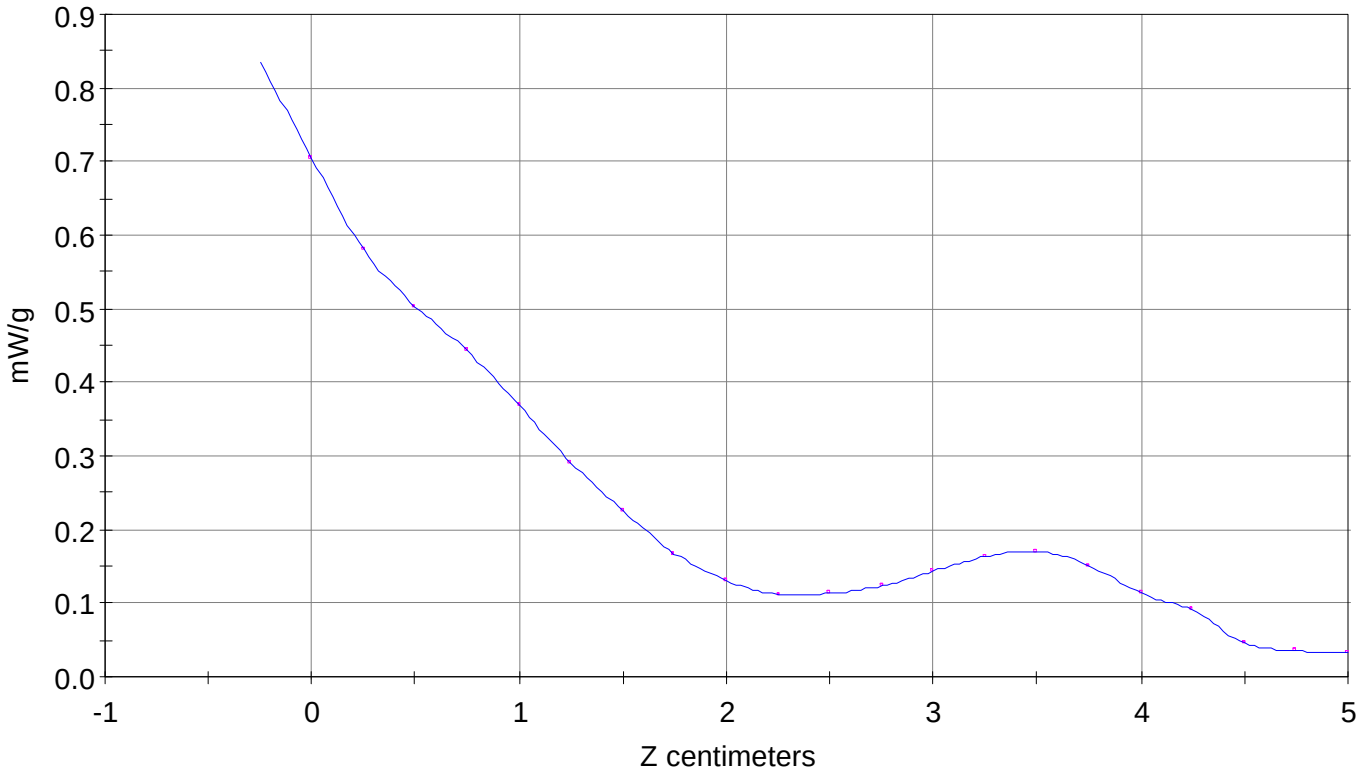
Calc. Voltage @ Surface (Vs) = 0.0114

Voltage @ 1.00 cm (Vt) = 0.0061

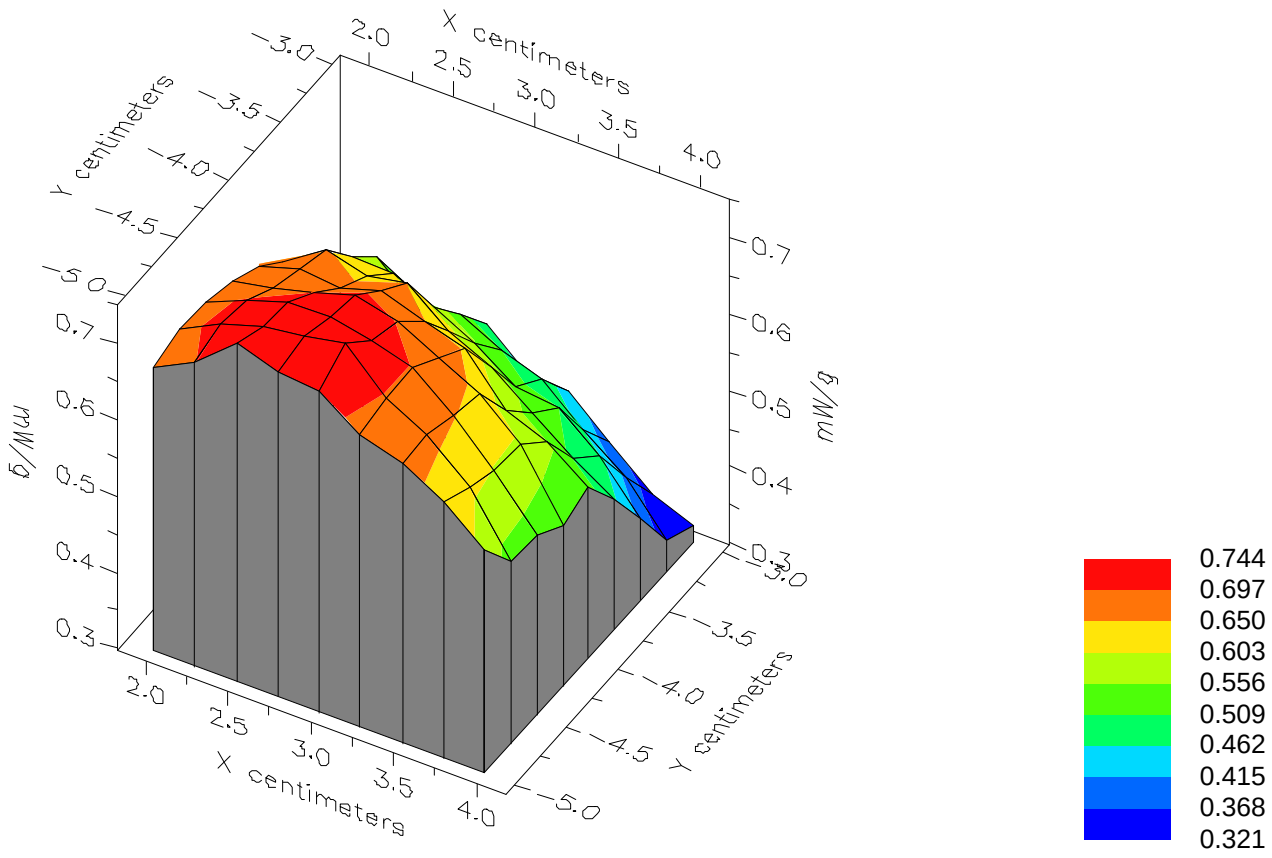
Ave. Voltage (Vs+Vt)/2 = 0.0088

Ave. SAR over 1 g (mW/g) = 0.6385

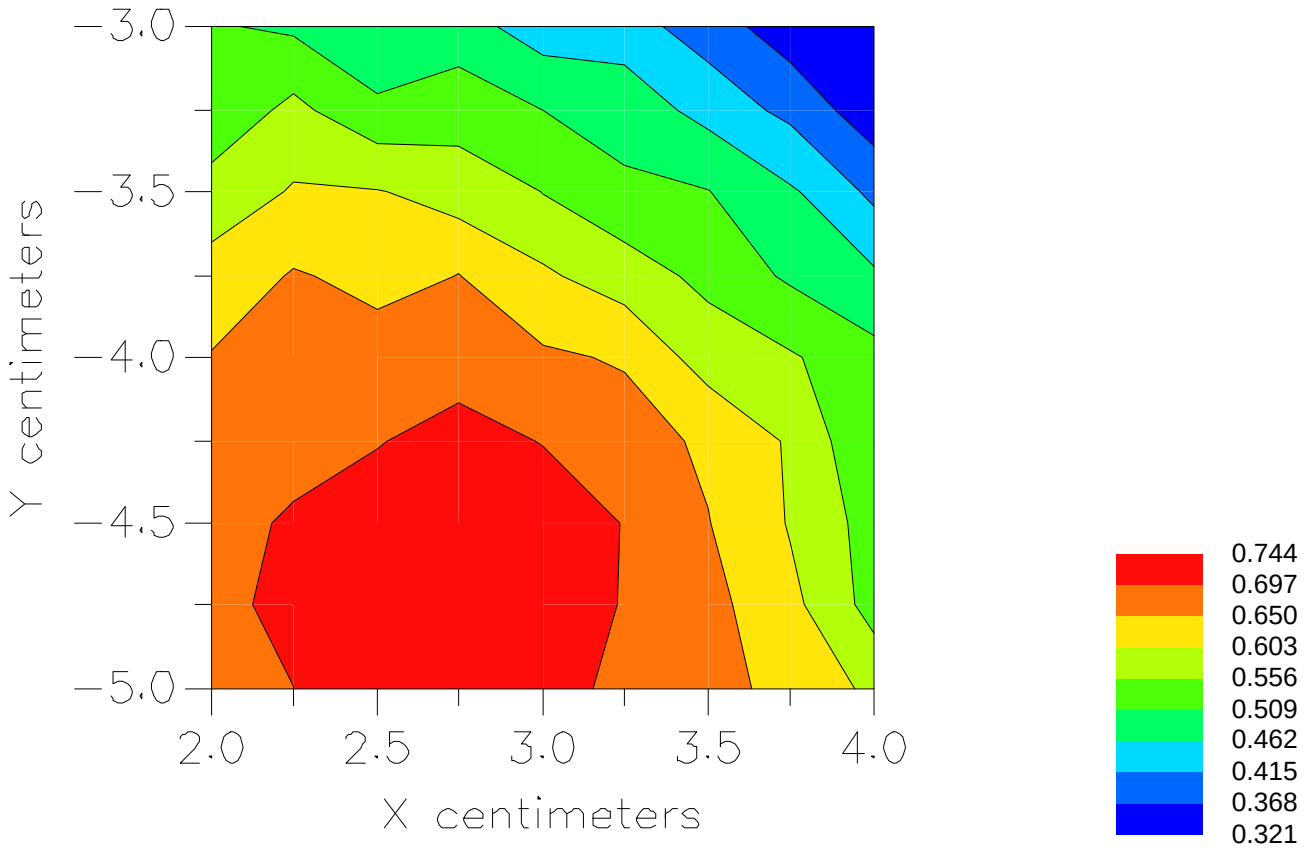
SAR Scan
File : 01010810_ZOOM
Start : 8-Jan-101 01:54:59 pm End : 8-Jan-101 02:04:44 pm
LGE/LG-TM220/1;835.89MHz;W;Helical/Out;
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/41.500/0.900



File : 01010810_ZOOM
Start : 8-Jan-101 01:54:59 pm End : 8-Jan-101 02:04:44 pm
LGE/LG-TM220/1;835.89MHz;W;Helical/Out;
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/41.500/0.900



File : 01010810_ZOOM
Start : 8-Jan-101 01:54:59 pm End : 8-Jan-101 02:04:44 pm
LGE/LG-TM220/1;835.89MHz;W;Helical/Out;
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/41.500/0.900



File : c:/idx3/SYSTEM/SARMEAS3/data/Normal/01010812_ZOOM.VLT
Start : 8-Jan-101 02:37:06 pm End : 8-Jan-101 02:46:40 pm

Radio Type : LGE
Model Number : LG-TM220
Serial Number : 1
Frequency : 848.37 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 :
LGE TRI-MODE PHONE - CDMA MODE
CHAN 0779 Conducted 25.0 dBm
LGE 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 = 2.750, Y = -5.000, Z = 0.000 (cm) Value = 16.350

Measured Values (volts) =

1.579E-002	1.300E-002	1.123E-002	9.980E-003	8.290E-003	6.547E-003
5.080E-003	3.749E-003	2.865E-003	2.342E-003	2.275E-003	2.650E-003
3.074E-003	3.557E-003	3.802E-003	3.438E-003	2.422E-003	1.775E-003
8.727E-004	6.917E-004	5.853E-004			

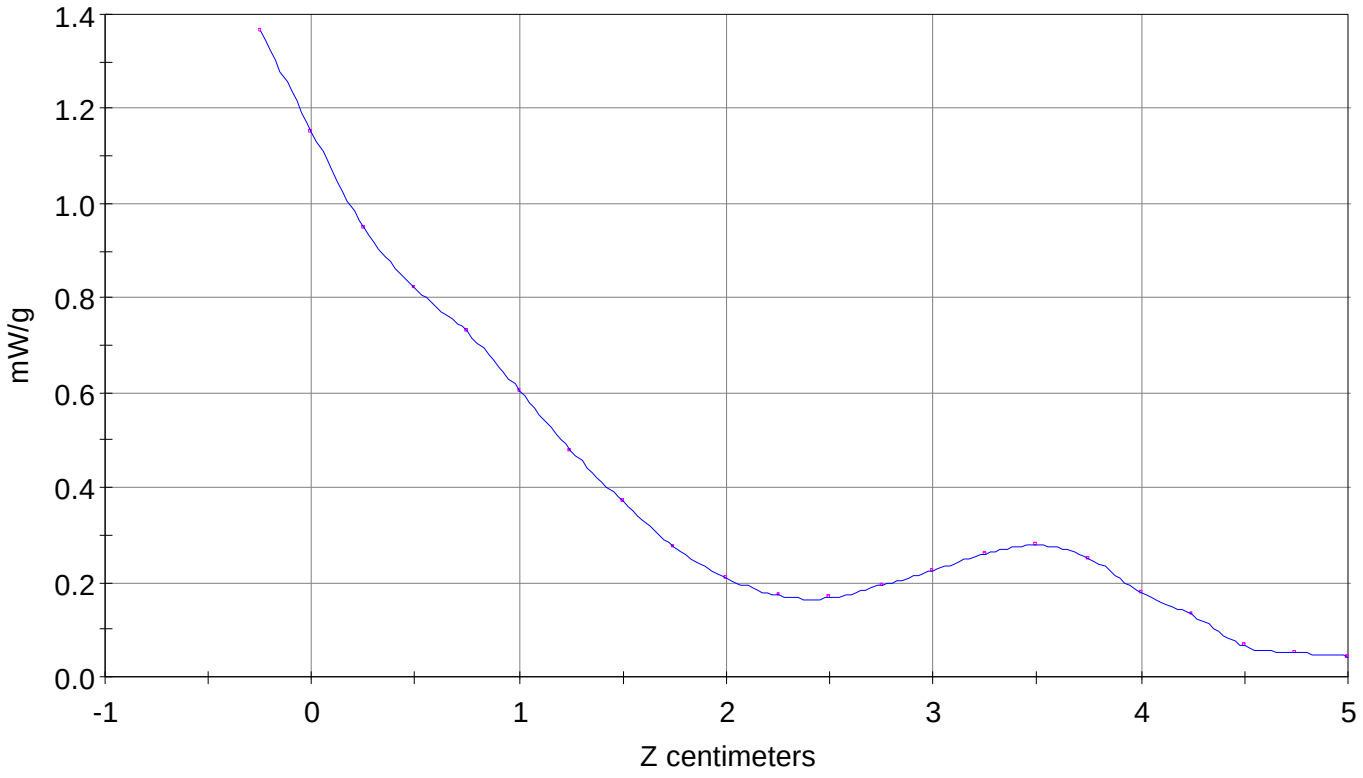
Calc. Voltage @ Surface (Vs) = 0.0187

Voltage @ 1.00 cm (Vt) = 0.0100

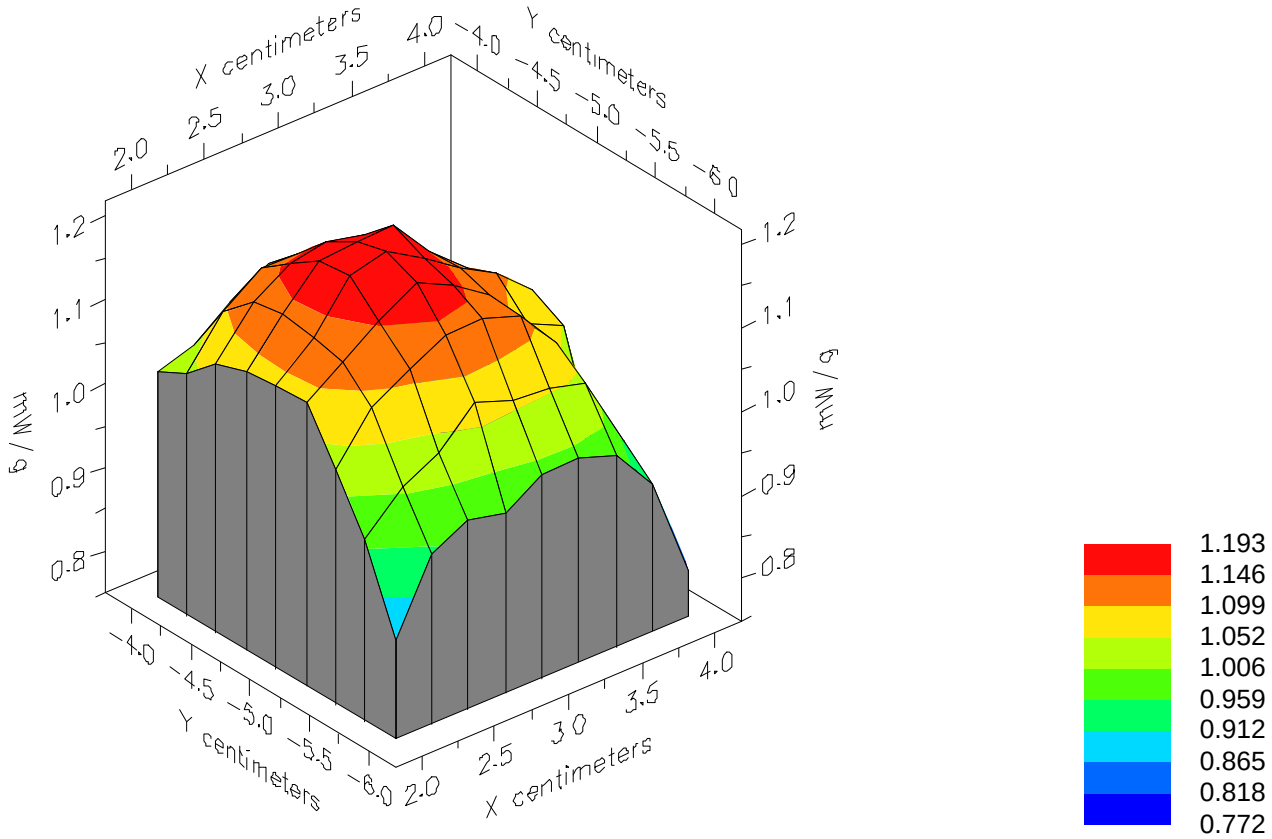
Ave. Voltage (Vs+Vt)/2 = 0.0144

Ave. SAR over 1 g (mW/g) = 1.0475

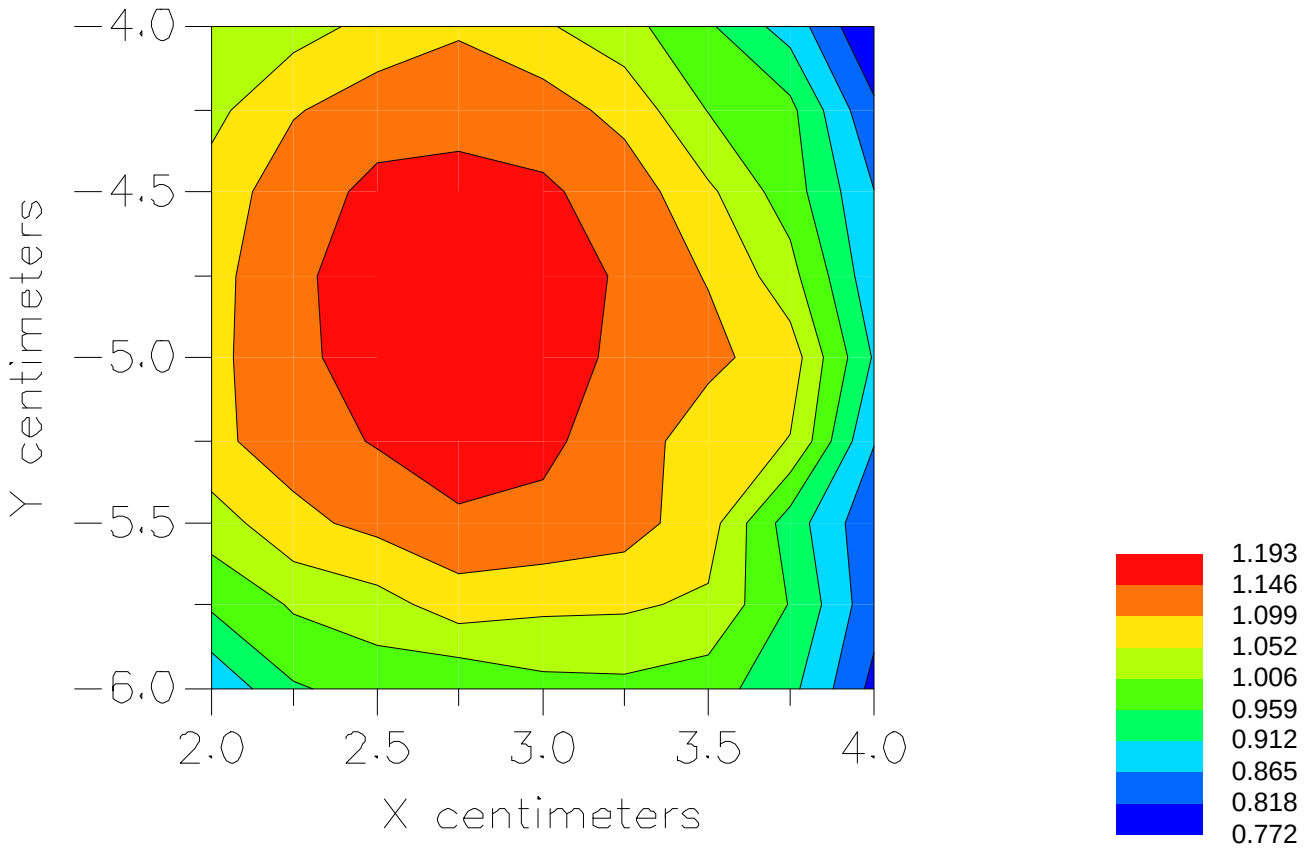
SAR Scan
File : 01010812_ZOOM
Start : 8-Jan-101 02:37:06 pm End : 8-Jan-101 02:46:40 pm
LGE/LG-TM220/1;848.37MHz;W;Helical/In;
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/41.500/0.900



File : 01010812_ZOOM
Start : 8-Jan-101 02:37:06 pm End : 8-Jan-101 02:46:40 pm
LGE/LG-TM220/1;848.37MHz;W;Helical/In;
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/41.500/0.900



File : 01010812_ZOOM
Start : 8-Jan-101 02:37:06 pm End : 8-Jan-101 02:46:40 pm
LGE/LG-TM220/1;848.37MHz;W;Helical/In;
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/41.500/0.900



File : c:/idx3/SYSTEM/SARMEAS3/data/Normal/01010813_ZOOM.VLT
Start : 8-Jan-101 02:56:18 pm End : 8-Jan-101 03:05:54 pm

Radio Type : LGE
Model Number : LG-TM220
Serial Number : 1
Frequency : 848.37 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 :
LGE TRI-MODE PHONE - CDMA MODE
CHAN 0779 Conducted 25.0 dBm
LGE 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 = 2.750, Y = -5.250, Z = 0.000 (cm) Value = 16.390

Measured Values (volts) =

1.573E-002	1.304E-002	1.142E-002	9.839E-003	8.215E-003	6.551E-003
4.953E-003	3.715E-003	2.924E-003	2.508E-003	2.536E-003	2.878E-003
3.394E-003	3.810E-003	3.922E-003	3.337E-003	2.442E-003	2.073E-003
9.655E-004	7.971E-004	7.312E-004			

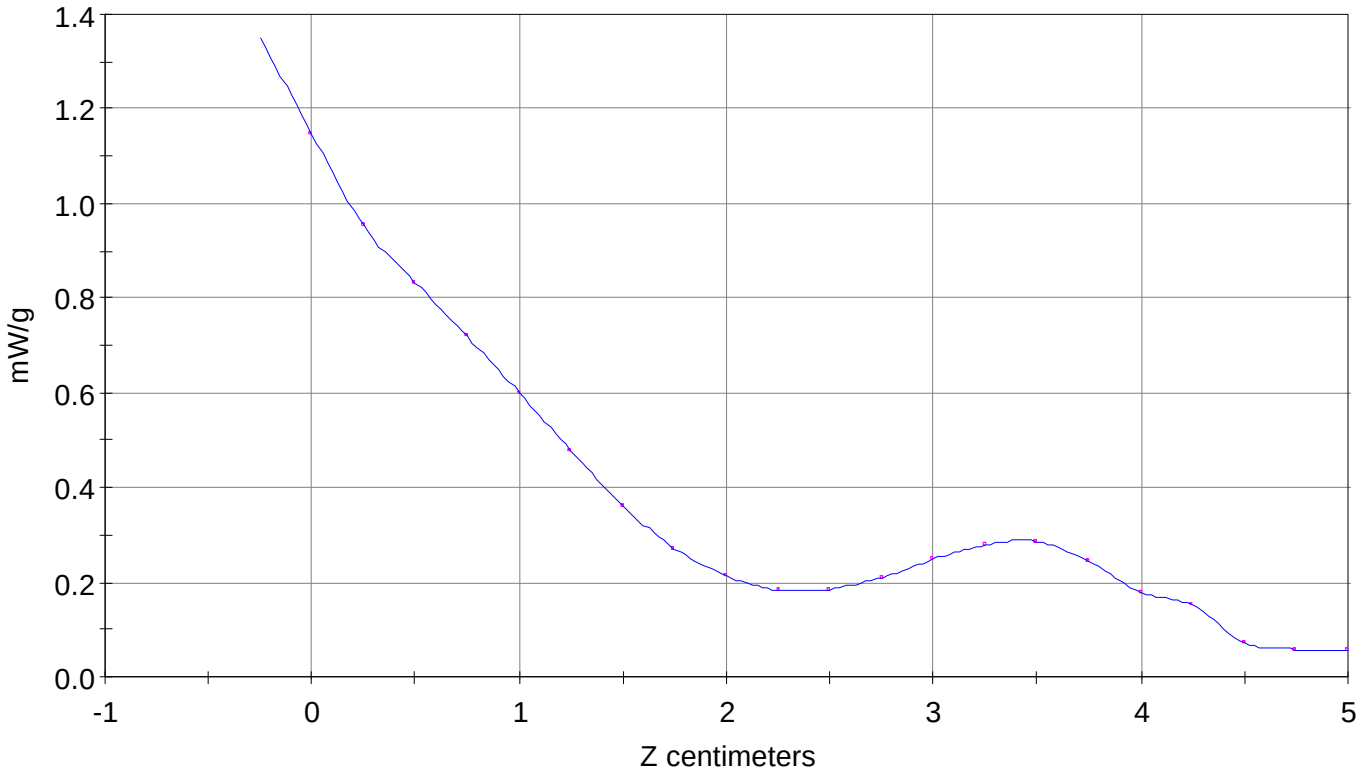
Calc. Voltage @ Surface (Vs) = 0.0185

Voltage @ 1.00 cm (Vt) = 0.0098

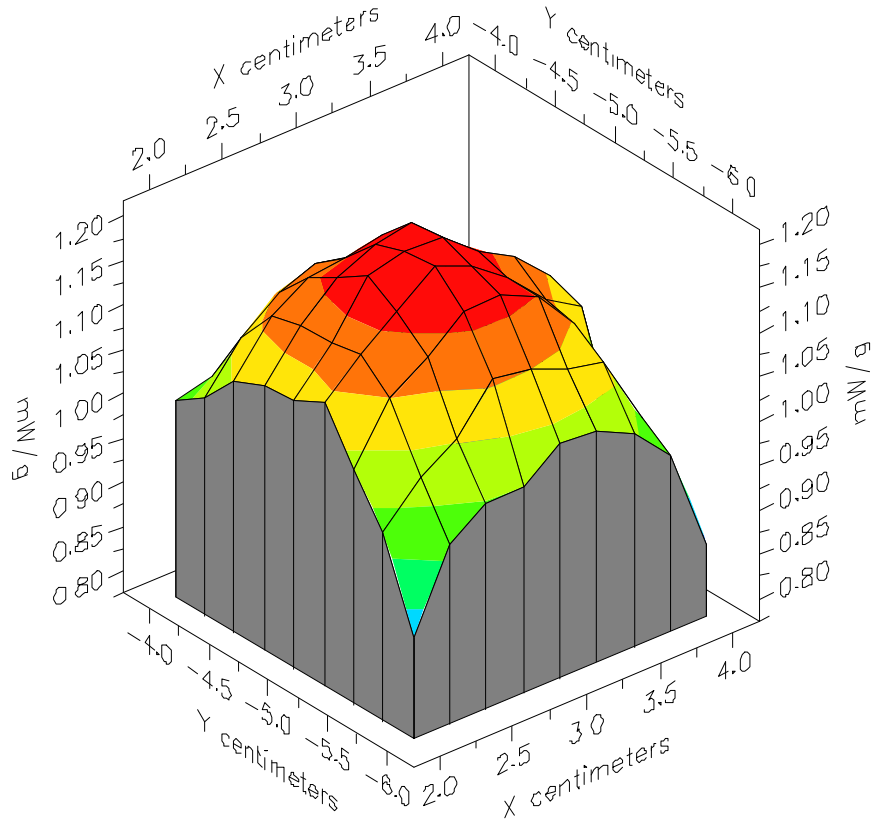
Ave. Voltage (Vs+Vt)/2 = 0.0142

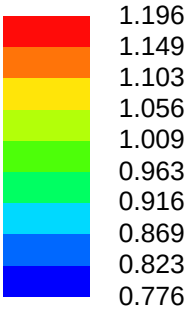
Ave. SAR over 1 g (mW/g) = 1.0326

SAR Scan
File : 01010813_ZOOM
Start : 8-Jan-101 02:56:18 pm End : 8-Jan-101 03:05:54 pm
LGE/LG-TM220/1;848.37MHz;W;Helical/Out;
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/41.500/0.900

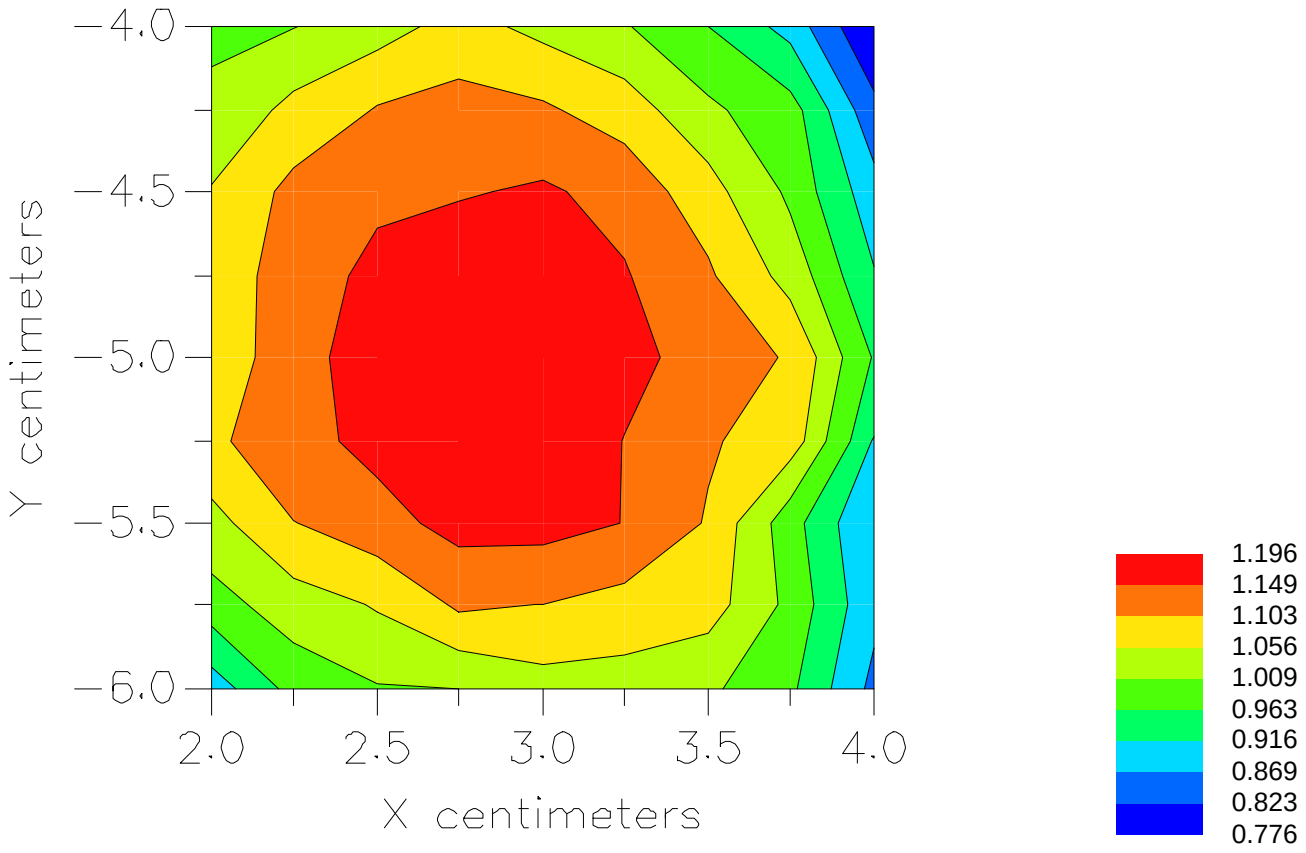


File : 01010813_ZOOM
Start : 8-Jan-101 02:56:18 pm End : 8-Jan-101 03:05:54 pm
LGE/LG-TM220/1;848.37MHz;W;Helical/Out;
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/41.500/0.900



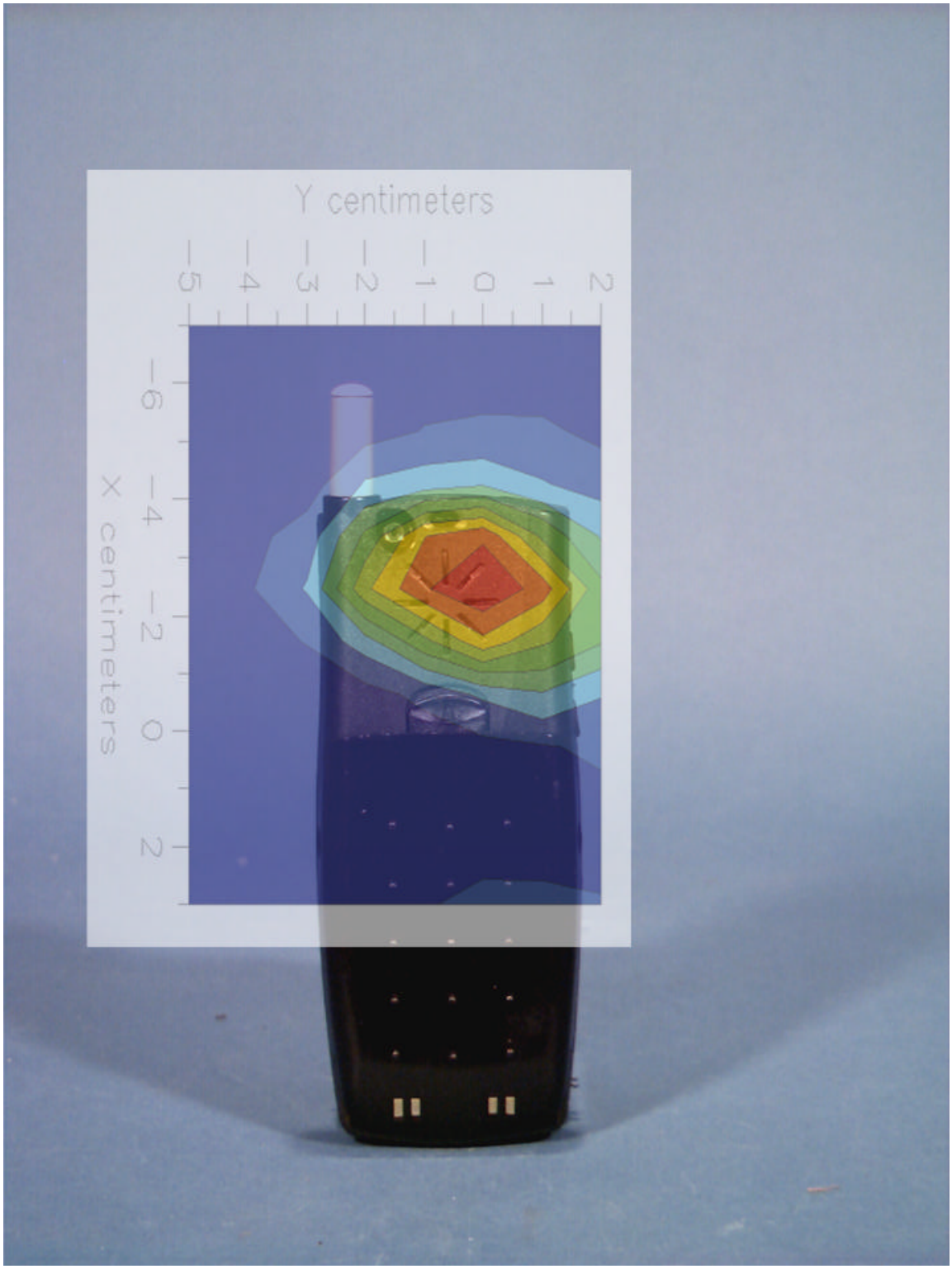


File : 01010813_ZOOM
Start : 8-Jan-101 02:56:18 pm End : 8-Jan-101 03:05:54 pm
LGE/LG-TM220/1;848.37MHz;W;Helical/Out;
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/41.500/0.900



Peak SAR Location

PCS Body SAR



File : c:/idx3/SYSTEM/SARMEAS3/data/Normal/01011606_ZOOM.VLT
Start : 16-Jan-101 11:09:41 am End : 16-Jan-101 11:20:29 am

Radio Type : LGE
Model Number : LG-TM220
Serial Number : 2
Frequency : 1851.25 MHz
Peak Trans. Pwr : 0.200 W
Start Trans. Pwr: 0.200 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 :
LGE TRI-MODE PHONE - PCS MODE
CHAN 0025 Conducted 23.0 dBm
LGE 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 = -0.500, Z = 0.000 (cm) Value = 6.370

Measured Values (volts) =

5.680E-003	3.948E-003	2.817E-003	2.059E-003	1.550E-003	1.186E-003
9.065E-004	6.177E-004	4.707E-004	3.140E-004	2.839E-004	1.538E-004
9.039E-005	8.079E-005	7.562E-005	4.475E-005	3.910E-005	9.876E-005
7.715E-005	4.152E-005	2.112E-004			

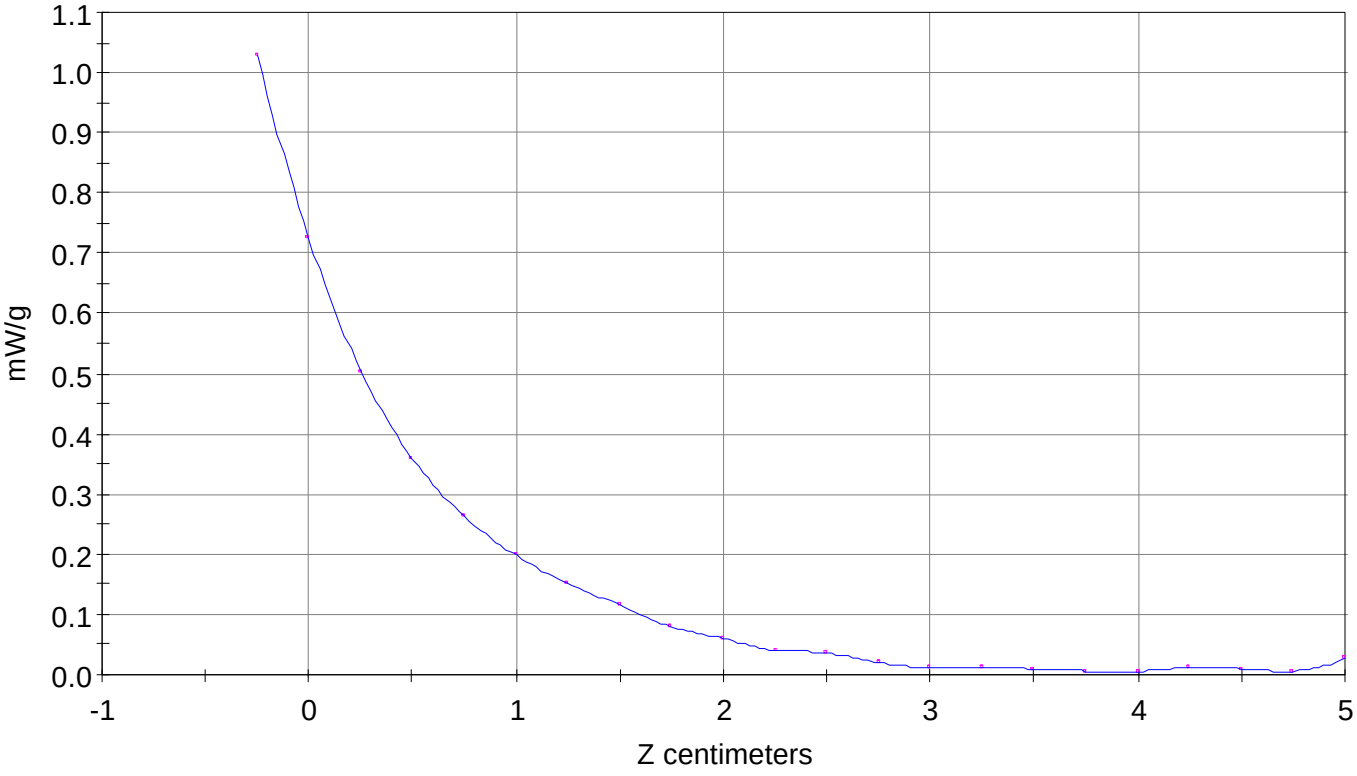
Calc. Voltage @ Surface (Vs) = 0.0081

Voltage @ 1.00 cm (Vt) = 0.0021

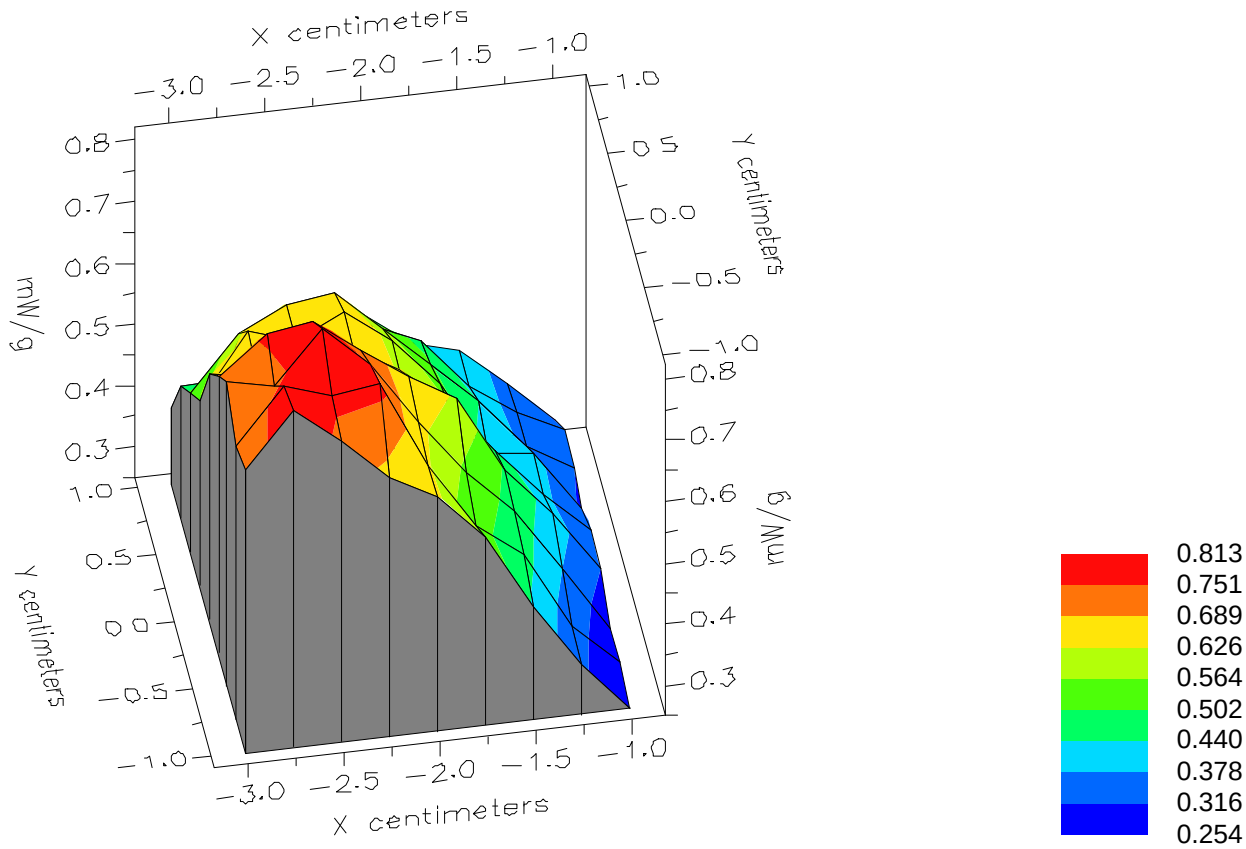
Ave. Voltage (Vs+Vt)/2 = 0.0051

Ave. SAR over 1 g (mW/g) = 0.6459

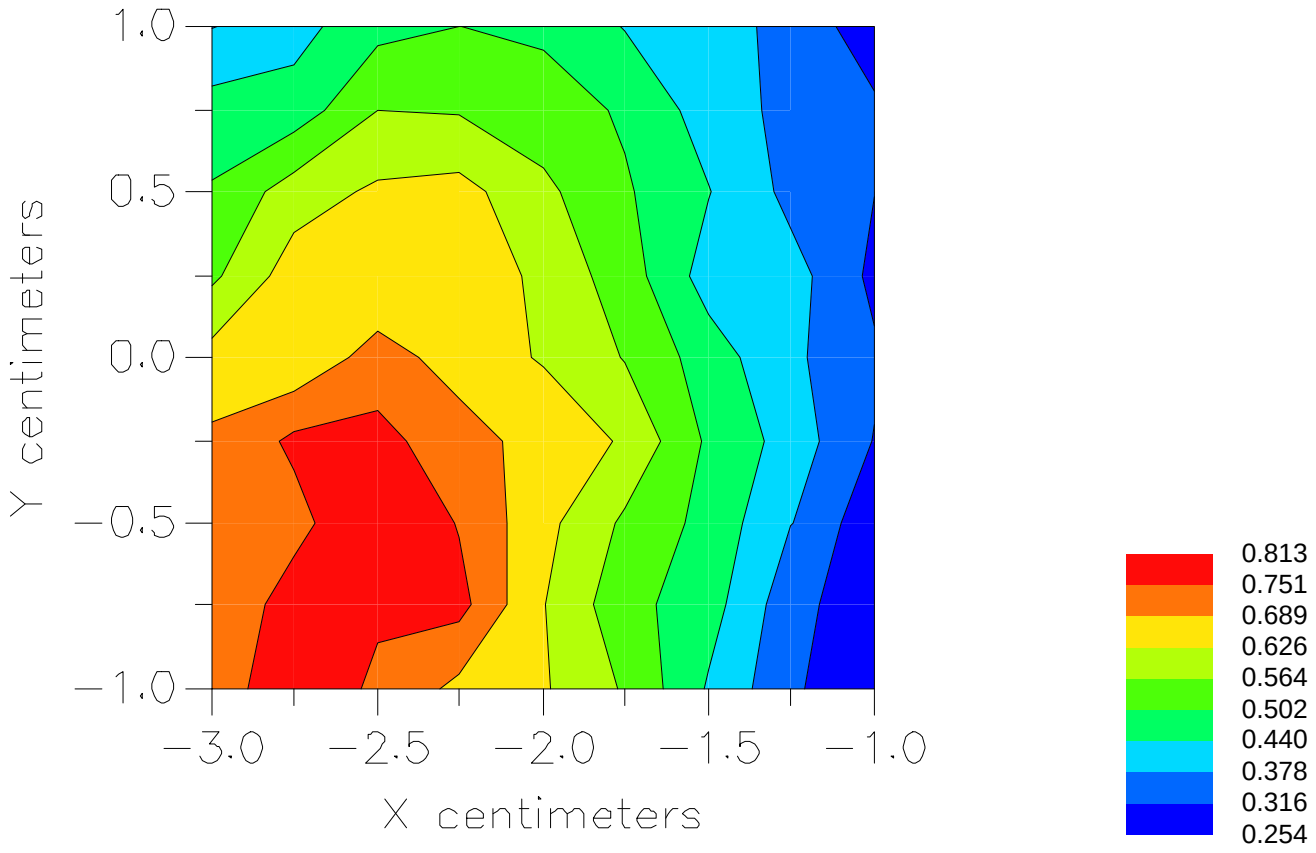
SAR Scan
File : 01011606_ZOOM
Start : 16-Jan-101 11:09:41 am End : 16-Jan-101 11:20:29 am
LGE/LG-TM220/2;1851.25MHz;W;Helical/In;
Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 DegreesMuscle/54.200/1.850



File : 01011606_ZOOM
Start : 16-Jan-101 11:09:41 am End : 16-Jan-101 11:20:29 am
LGE/LG-TM220/2;1851.25MHz;W;Helical/In;
Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 DegreesMuscle/54.200/1.850



File : 01011606_ZOOM
Start : 16-Jan-101 11:09:41 am End : 16-Jan-101 11:20:29 am
LGE/LG-TM220/2;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/01011604_ZOOM.VLT
Start : 16-Jan-101 10:39:33 am End : 16-Jan-101 10:47:03 am

Radio Type : LGE
Model Number : LG-TM220
Serial Number : 2
Frequency : 1851.25 MHz
Peak Trans. Pwr : 0.200 W
Start Trans. Pwr: 0.200 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 :
LGE TRI-MODE PHONE - PCS MODE
CHAN 0025 Conducted 23.0 dBm
LGE 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 = -6.000, Y = -2.250, Z = 0.000 (cm) Value = 4.925

Measured Values (volts) =

4.638E-003	3.830E-003	2.649E-003	1.902E-003	1.388E-003	1.095E-003
8.372E-004	5.912E-004	4.015E-004	3.003E-004	2.490E-004	2.025E-004
1.270E-004	7.251E-005	5.576E-005	9.797E-005	9.578E-005	7.650E-005
5.474E-005	1.211E-005	2.157E-005			

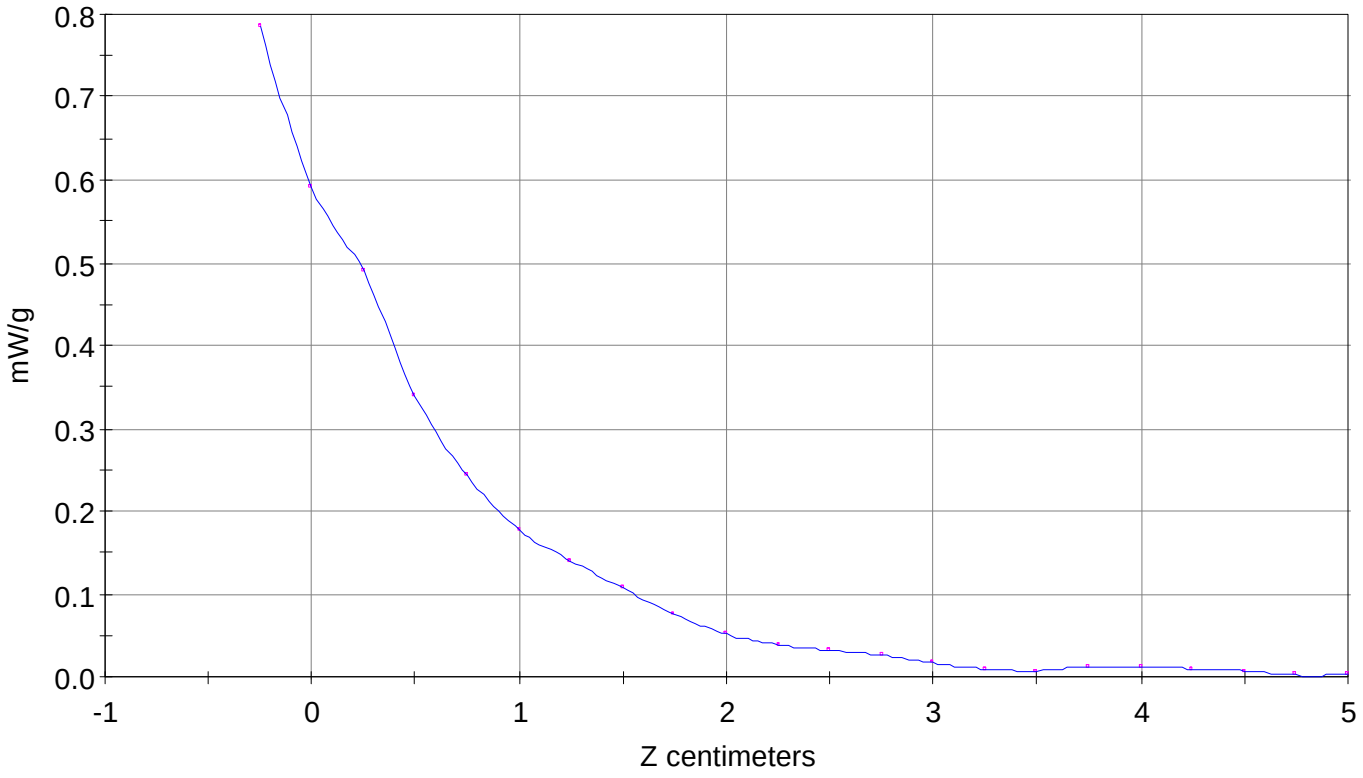
Calc. Voltage @ Surface (Vs) = 0.0062

Voltage @ 1.00 cm (Vt) = 0.0019

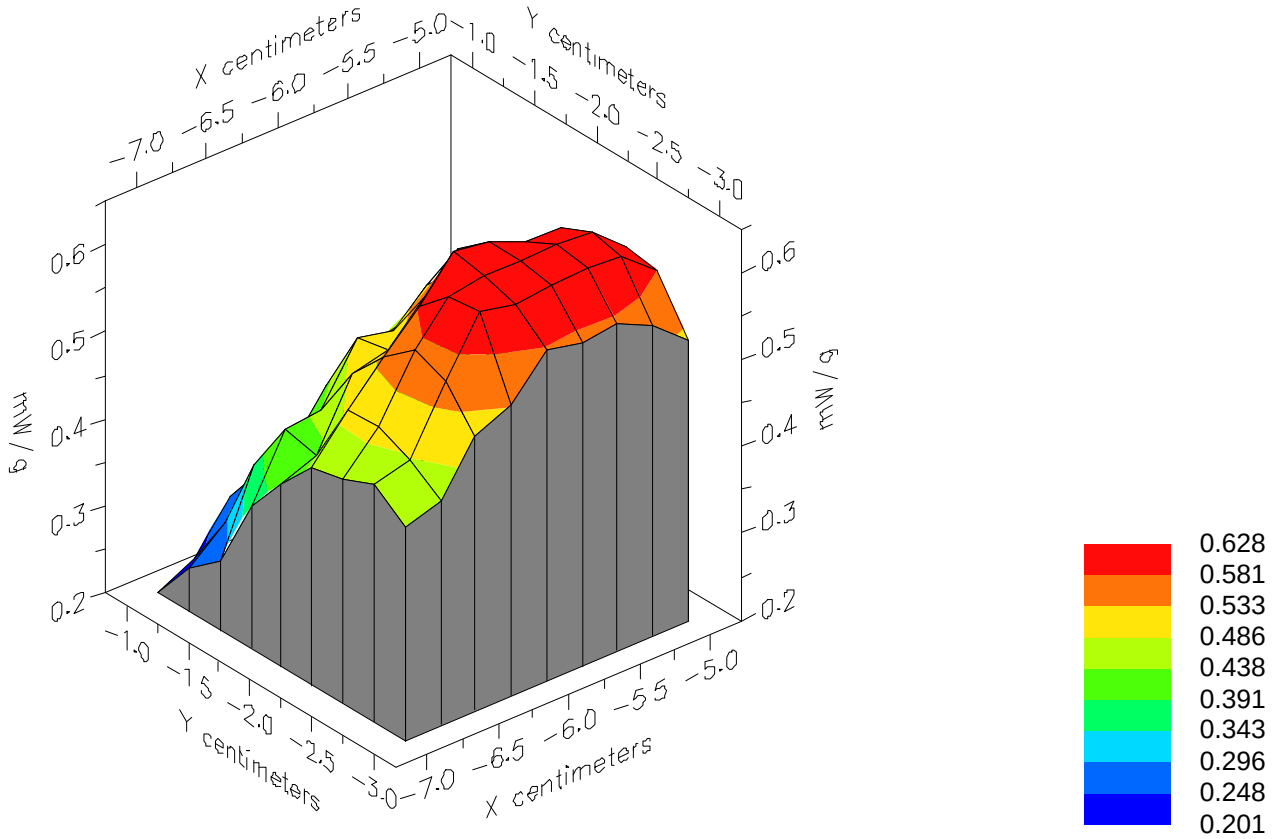
Ave. Voltage (Vs+Vt)/2 = 0.0040

Ave. SAR over 1 g (mW/g) = 0.5144

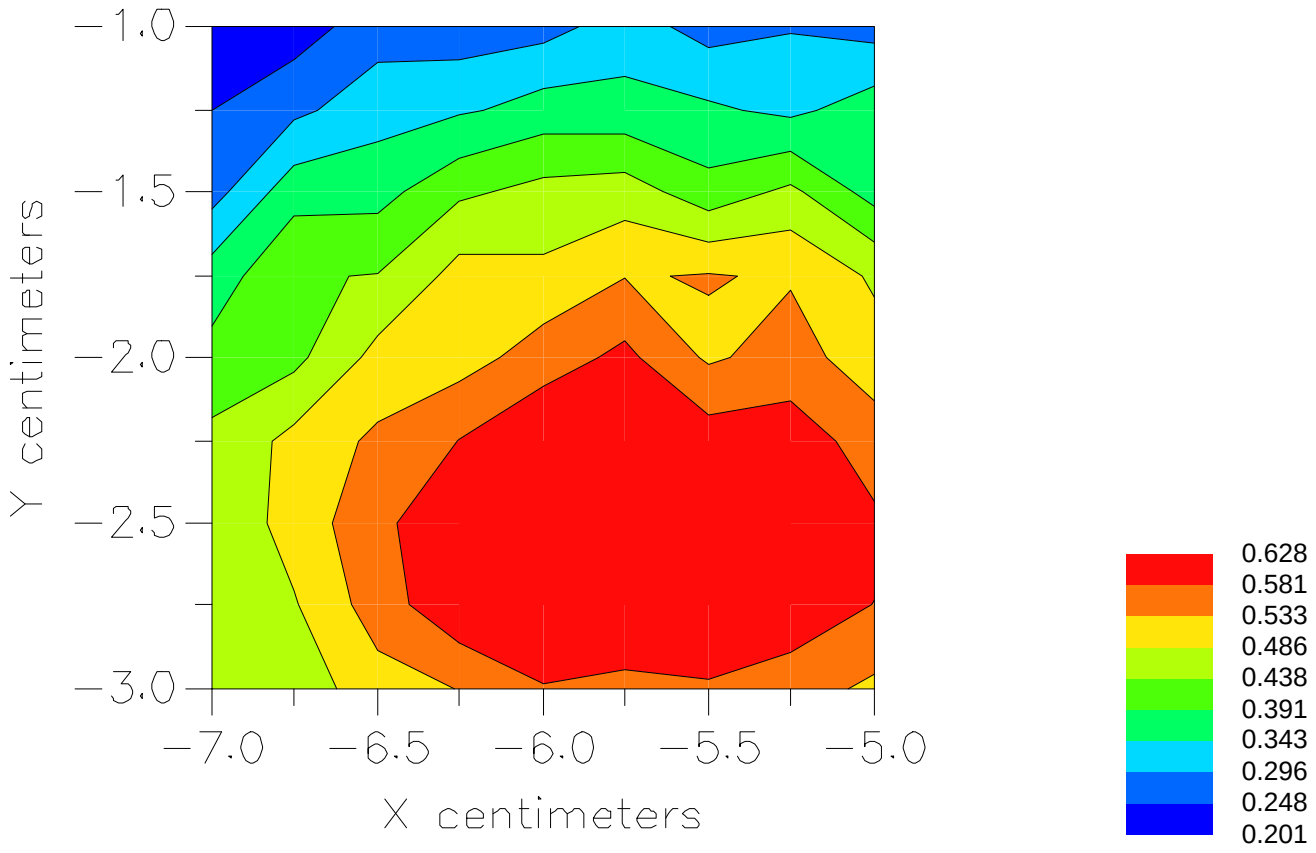
SAR Scan
File : 01011604_ZOOM
Start : 16-Jan-101 10:39:33 am End : 16-Jan-101 10:47:03 am
LGE/LG-TM220/2;1851.25MHz;W;Helical/Out;
Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 DegreesMuscle/54.200/1.850



File : 01011604_ZOOM
Start : 16-Jan-101 10:39:33 am End : 16-Jan-101 10:47:03 am
LGE/LG-TM220/2;1851.25MHz;W;Helical/Out;
Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 DegreesMuscle/54.200/1.850



File : 01011604_ZOOM
Start : 16-Jan-101 10:39:33 am End : 16-Jan-101 10:47:03 am
LGE/LG-TM220/2;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/01011220_ZOOM.VLT
Start : 12-Jan-101 04:47:22 pm End : 12-Jan-101 04:58:20 pm

Radio Type : LGE
Model Number : LG-TM220
Serial Number : 2
Frequency : 1880.00 MHz
Peak Trans. Pwr : 0.200 W
Start Trans. Pwr: 0.200 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 :
LGE TRI-MODE PHONE - PCS MODE
CHAN 0600 Conducted 23.0 dBm
LGE 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 = -0.500, Z = 0.000 (cm) Value = 5.290

Measured Values (volts) =

5.225E-003	3.448E-003	2.459E-003	1.775E-003	1.374E-003	1.053E-003
7.777E-004	5.599E-004	4.425E-004	3.294E-004	2.792E-004	2.043E-004
1.277E-004	9.499E-005	6.008E-005	5.901E-005	1.012E-005	3.694E-005
7.216E-006	3.744E-005	3.454E-006			

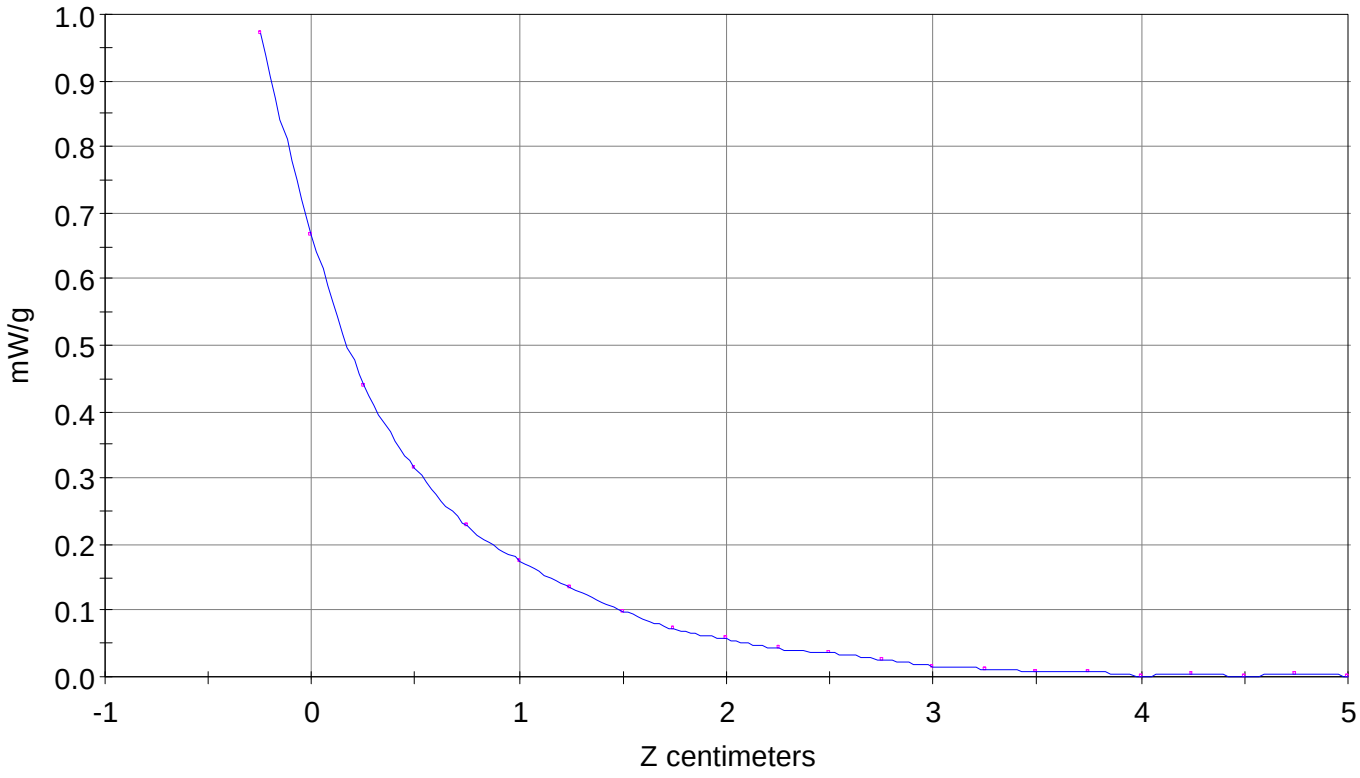
Calc. Voltage @ Surface (Vs) = 0.0076

Voltage @ 1.00 cm (Vt) = 0.0018

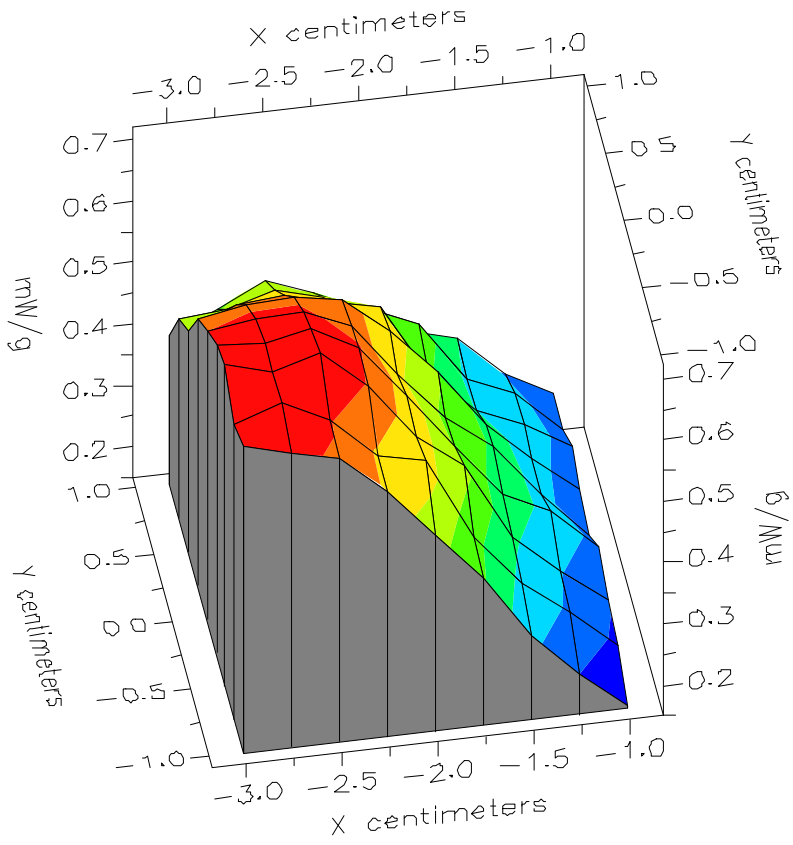
Ave. Voltage (Vs+Vt)/2 = 0.0047

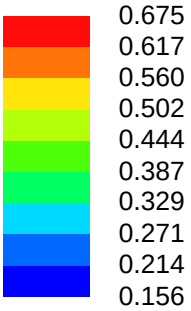
Ave. SAR over 1 g (mW/g) = 0.5996

SAR Scan
File : 01011220_ZOOM
Start : 12-Jan-101 04:47:22 pm End : 12-Jan-101 04:58:20 pm
LGE/LG-TM220/2;1880.00MHz;W;Helical/In;
Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 DegreesMuscle/54.200/1.850

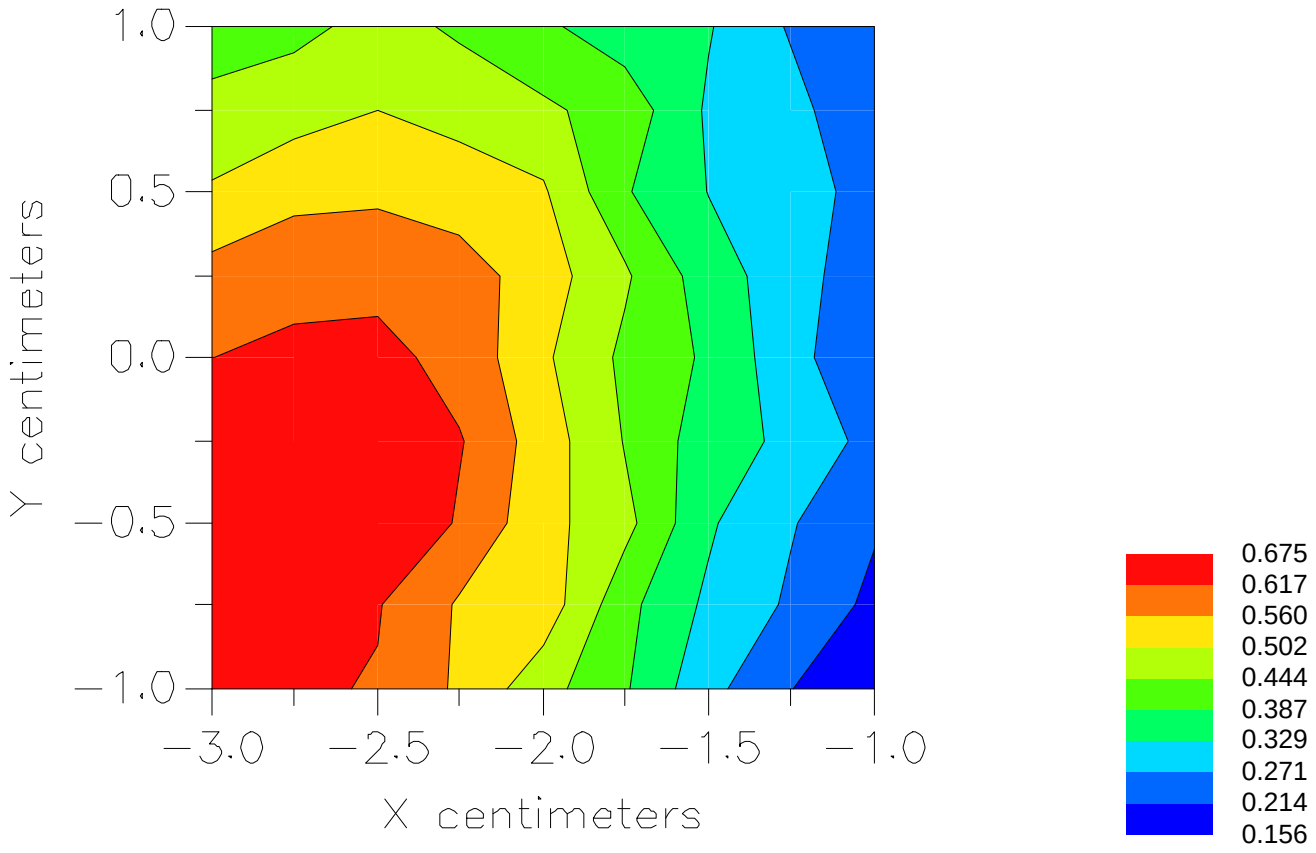


File : 01011220_ZOOM
Start : 12-Jan-101 04:47:22 pm End : 12-Jan-101 04:58:20 pm
LGE/LG-TM220/2;1880.00MHz;W;Helical/In;
Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 DegreesMuscle/54.200/1.850





File : 01011220_ZOOM
Start : 12-Jan-101 04:47:22 pm End : 12-Jan-101 04:58:20 pm
LGE/LG-TM220/2;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/01011222_ZOOM.VLT
Start : 12-Jan-101 05:25:16 pm End : 12-Jan-101 05:34:25 pm

Radio Type : LGE
Model Number : LG-TM220
Serial Number : 2
Frequency : 1880.00 MHz
Peak Trans. Pwr : 0.200 W
Start Trans. Pwr: 0.200 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 :
LGE TRI-MODE PHONE - PCS MODE
CHAN 0600 Conducted 23.0 dBm
LGE 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 = -6.000, Y = -2.750, Z = 0.000 (cm) Value = 6.333

Measured Values (volts) =

6.234E-003	4.984E-003	3.361E-003	2.175E-003	1.679E-003	1.312E-003
9.361E-004	6.733E-004	4.636E-004	4.249E-004	2.900E-004	2.293E-004
1.859E-004	8.777E-005	9.470E-005	1.197E-004	9.345E-005	4.961E-005
3.183E-005	3.950E-006	1.861E-005			

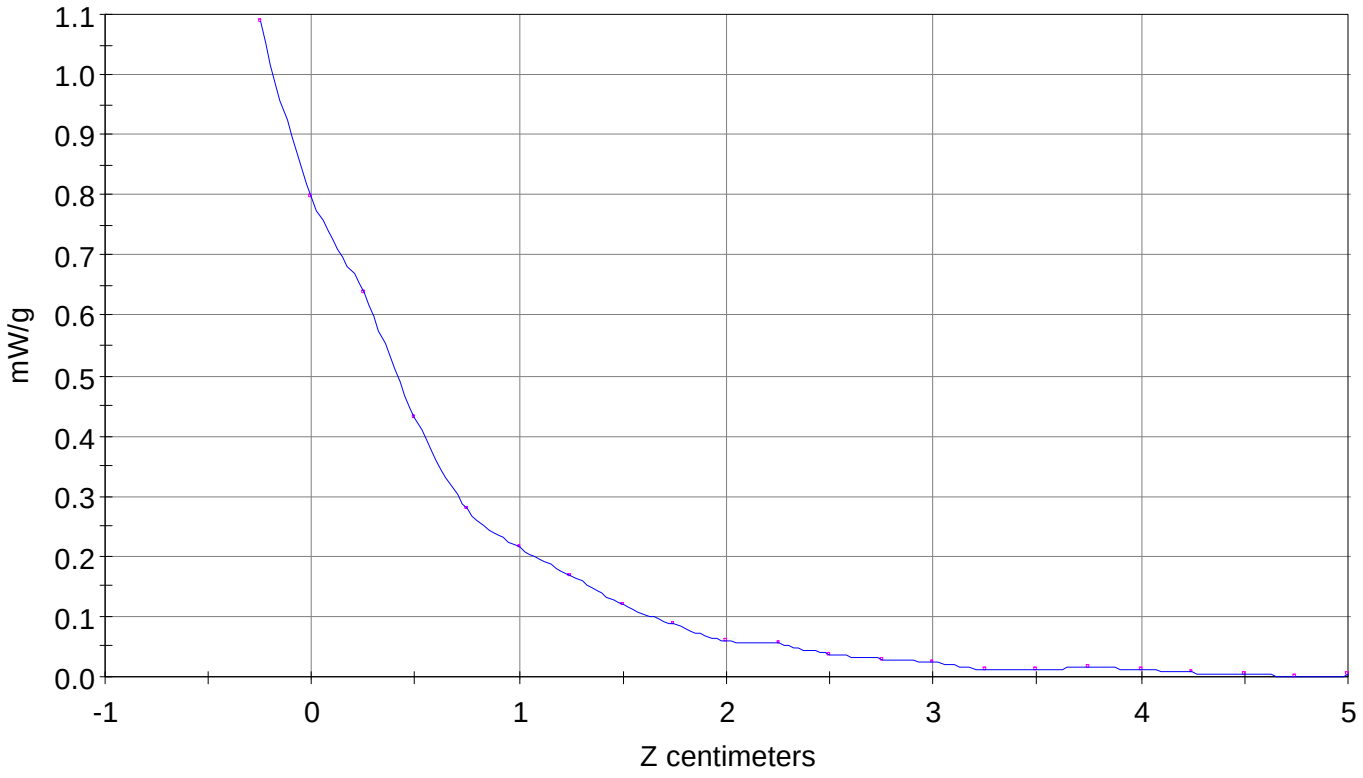
Calc. Voltage @ Surface (Vs) = 0.0085

Voltage @ 1.00 cm (Vt) = 0.0022

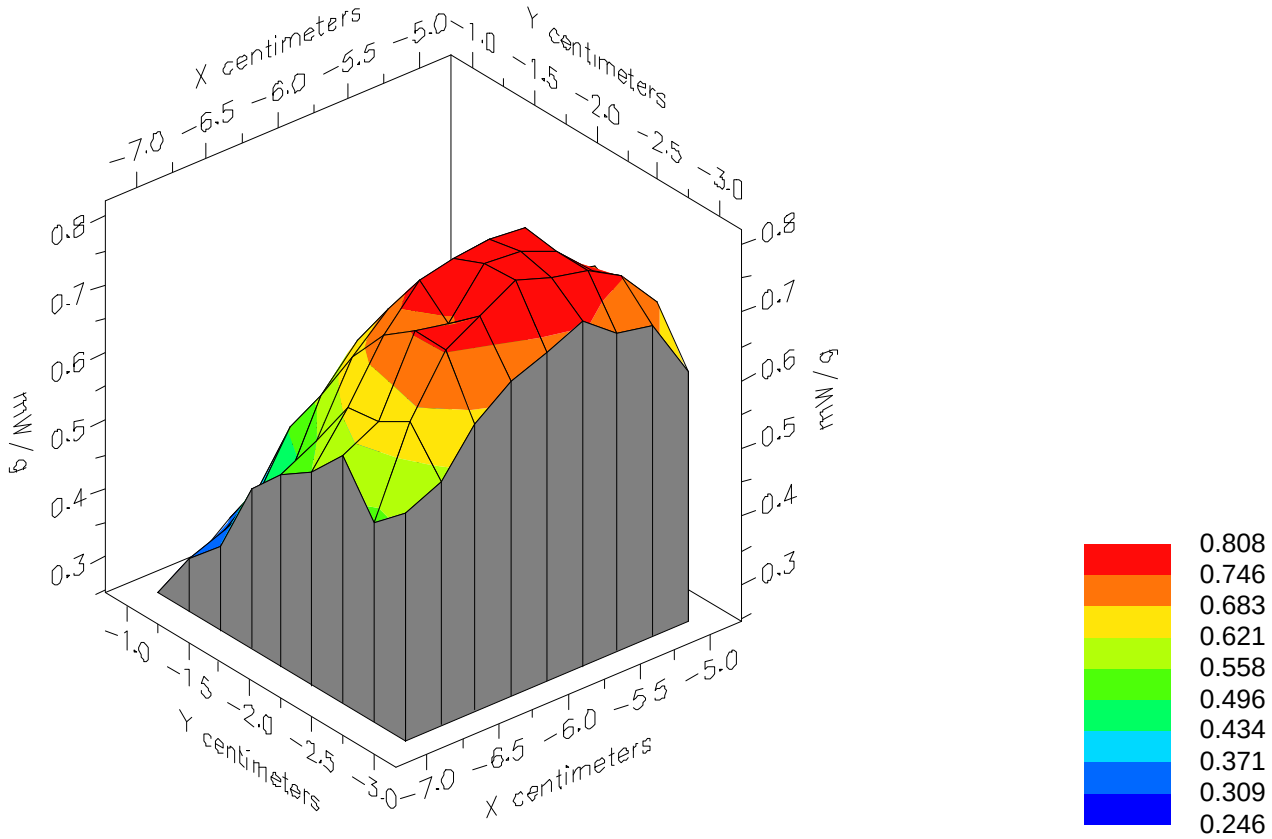
Ave. Voltage (Vs+Vt)/2 = 0.0053

Ave. SAR over 1 g (mW/g) = 0.6823

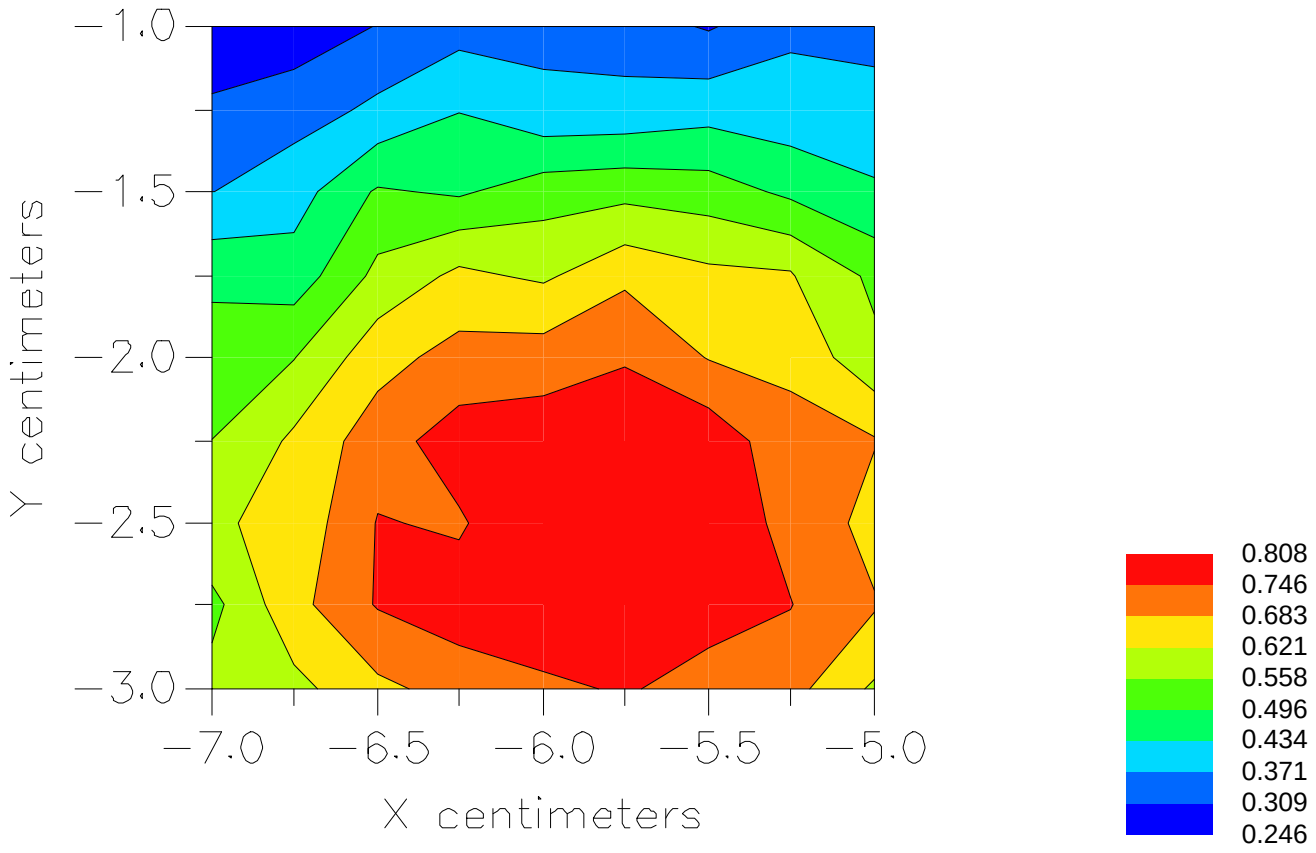
SAR Scan
File : 01011222_ZOOM
Start : 12-Jan-101 05:25:16 pm End : 12-Jan-101 05:34:25 pm
LGE/LG-TM220/2;1880.00MHz;W;Helical/Out;
Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 DegreesMuscle/54.200/1.850



File : 01011222_ZOOM
Start : 12-Jan-101 05:25:16 pm End : 12-Jan-101 05:34:25 pm
LGE/LG-TM220/2;1880.00MHz;W;Helical/Out;
Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 DegreesMuscle/54.200/1.850



File : 01011222_ZOOM
Start : 12-Jan-101 05:25:16 pm End : 12-Jan-101 05:34:25 pm
LGE/LG-TM220/2;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/01011602_ZOOM.VLT
Start : 16-Jan-101 09:56:45 am End : 16-Jan-101 10:04:02 am

Radio Type : LGE
Model Number : LG-TM220
Serial Number : 2
Frequency : 1908.75 MHz
Peak Trans. Pwr : 0.200 W
Start Trans. Pwr: 0.200 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 :
LGE TRI-MODE PHONE - PCS MODE
CHAN 1175 Conducted 23.0 dBm
LGE 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 = -2.250, Y = -0.250, Z = 0.000 (cm) Value = 8.528

Measured Values (volts) =

7.022E-003	4.430E-003	3.217E-003	2.426E-003	1.812E-003	1.450E-003
1.035E-003	6.802E-004	5.661E-004	4.247E-004	3.188E-004	2.271E-004
1.496E-004	1.249E-004	1.096E-004	8.156E-005	5.362E-005	6.511E-005
9.697E-005	2.066E-005	4.113E-005			

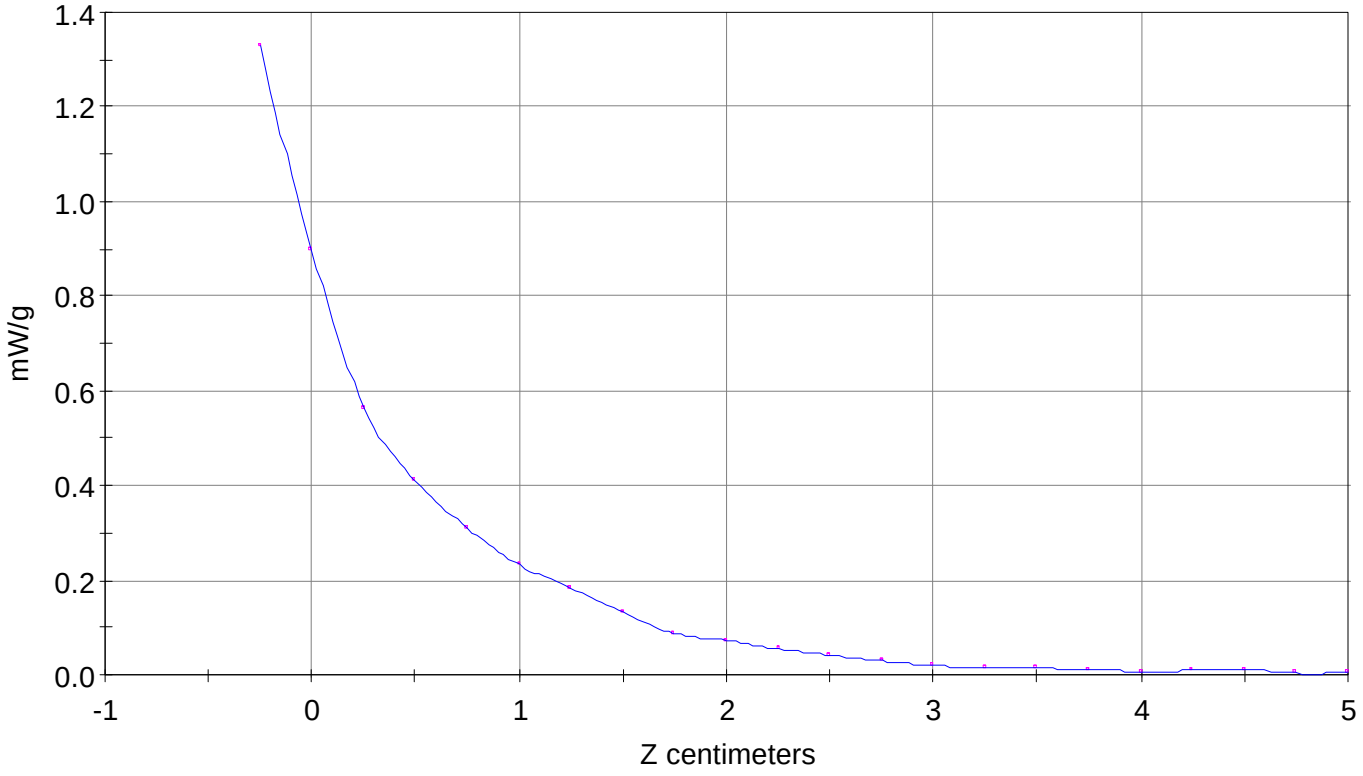
Calc. Voltage @ Surface (Vs) = 0.0104

Voltage @ 1.00 cm (Vt) = 0.0024

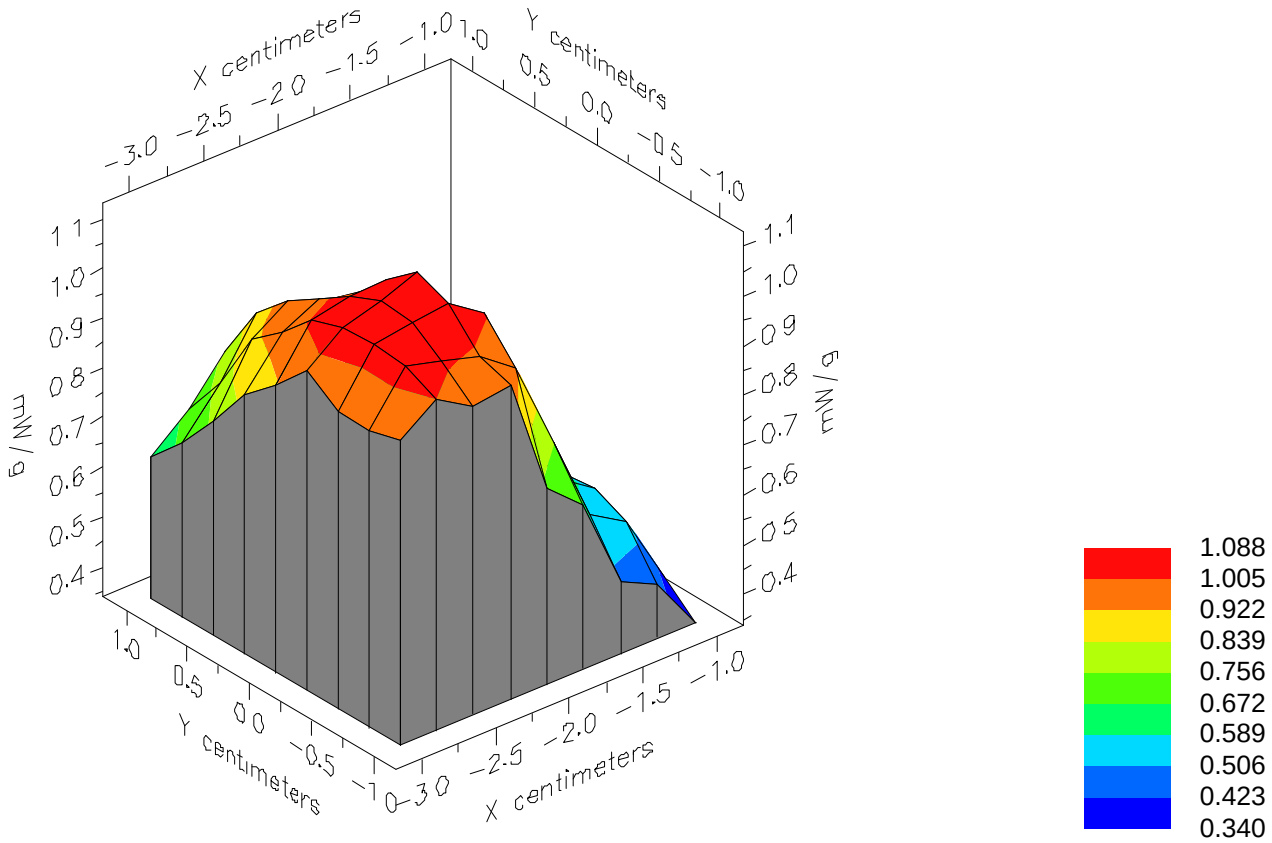
Ave. Voltage (Vs+Vt)/2 = 0.0064

Ave. SAR over 1 g (mW/g) = 0.8183

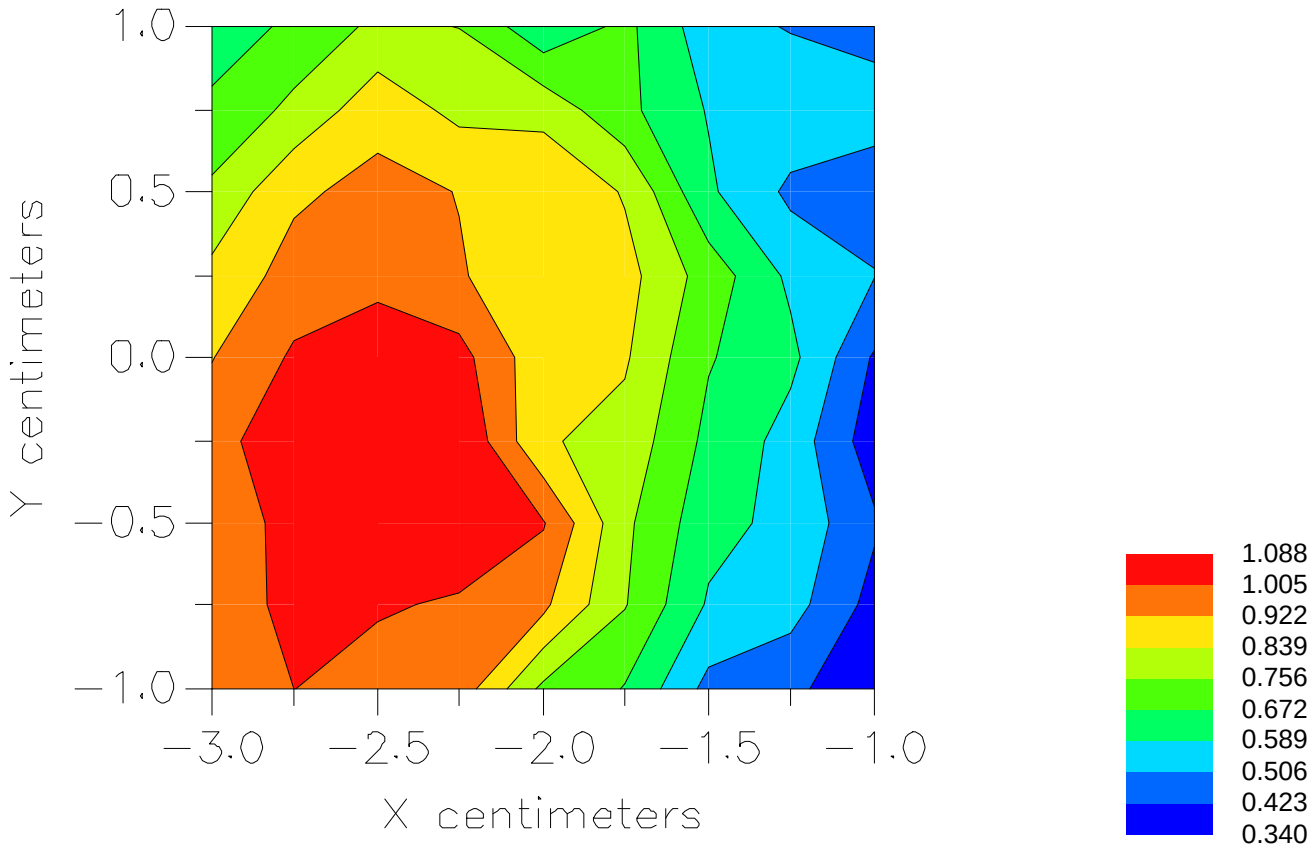
SAR Scan
File : 01011602_ZOOM
Start : 16-Jan-101 09:56:45 am End : 16-Jan-101 10:04:02 am
LGE/LG-TM220/2;1908.75MHz;W;Helical/In;
Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 DegreesMuscle/54.200/1.850



File : 01011602_ZOOM
Start : 16-Jan-101 09:56:45 am End : 16-Jan-101 10:04:02 am
LGE/LG-TM220/2;1908.75MHz;W;Helical/In;
Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 DegreesMuscle/54.200/1.850



File : 01011602_ZOOM
Start : 16-Jan-101 09:56:45 am End : 16-Jan-101 10:04:02 am
LGE/LG-TM220/2;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/01011603_ZOOM.VLT
Start : 16-Jan-101 10:13:15 am End : 16-Jan-101 10:22:20 am

Radio Type : LGE
Model Number : LG-TM220
Serial Number : 2
Frequency : 1908.75 MHz
Peak Trans. Pwr : 0.200 W
Start Trans. Pwr: 0.200 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 :
LGE TRI-MODE PHONE - PCS MODE
CHAN 1175 Conducted 23.0 dBm
LGE 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 = -6.000, Y = -2.250, Z = 0.000 (cm) Value = 7.354

Measured Values (volts) =

7.264E-003	5.822E-003	3.931E-003	2.691E-003	1.994E-003	1.476E-003
1.137E-003	8.333E-004	5.515E-004	4.133E-004	2.859E-004	2.602E-004
1.769E-004	7.681E-005	6.782E-005	7.300E-005	9.630E-005	1.004E-004
8.232E-005	1.568E-005	1.159E-005			

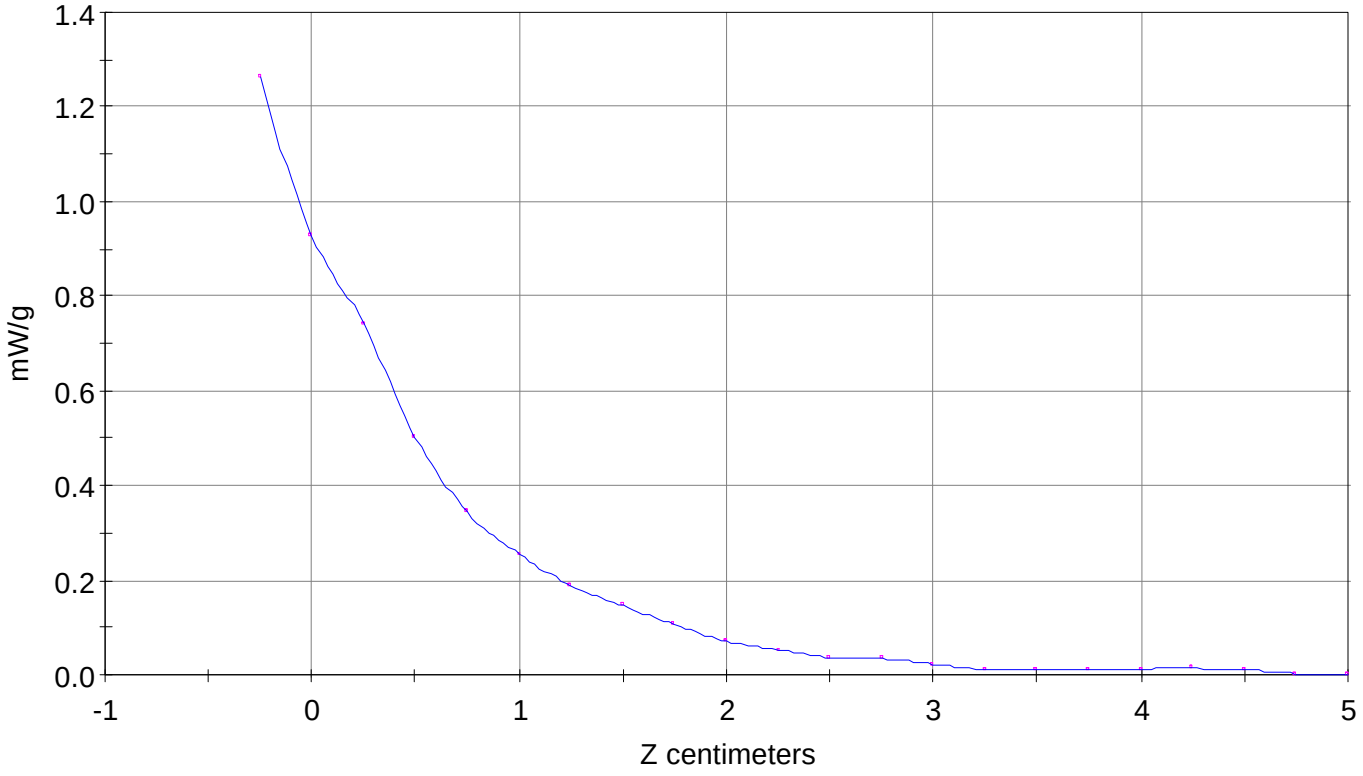
Calc. Voltage @ Surface (Vs) = 0.0099

Voltage @ 1.00 cm (Vt) = 0.0027

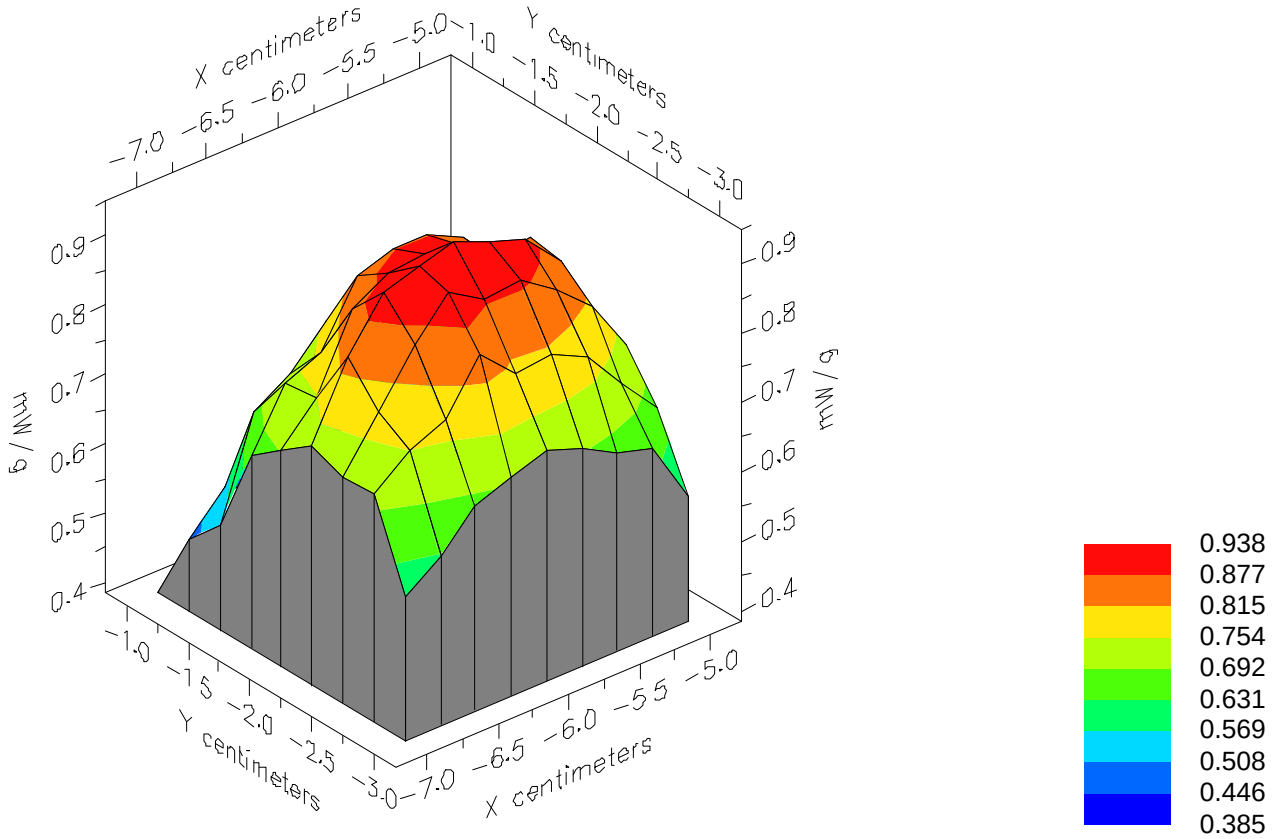
Ave. Voltage (Vs+Vt)/2 = 0.0063

Ave. SAR over 1 g (mW/g) = 0.8040

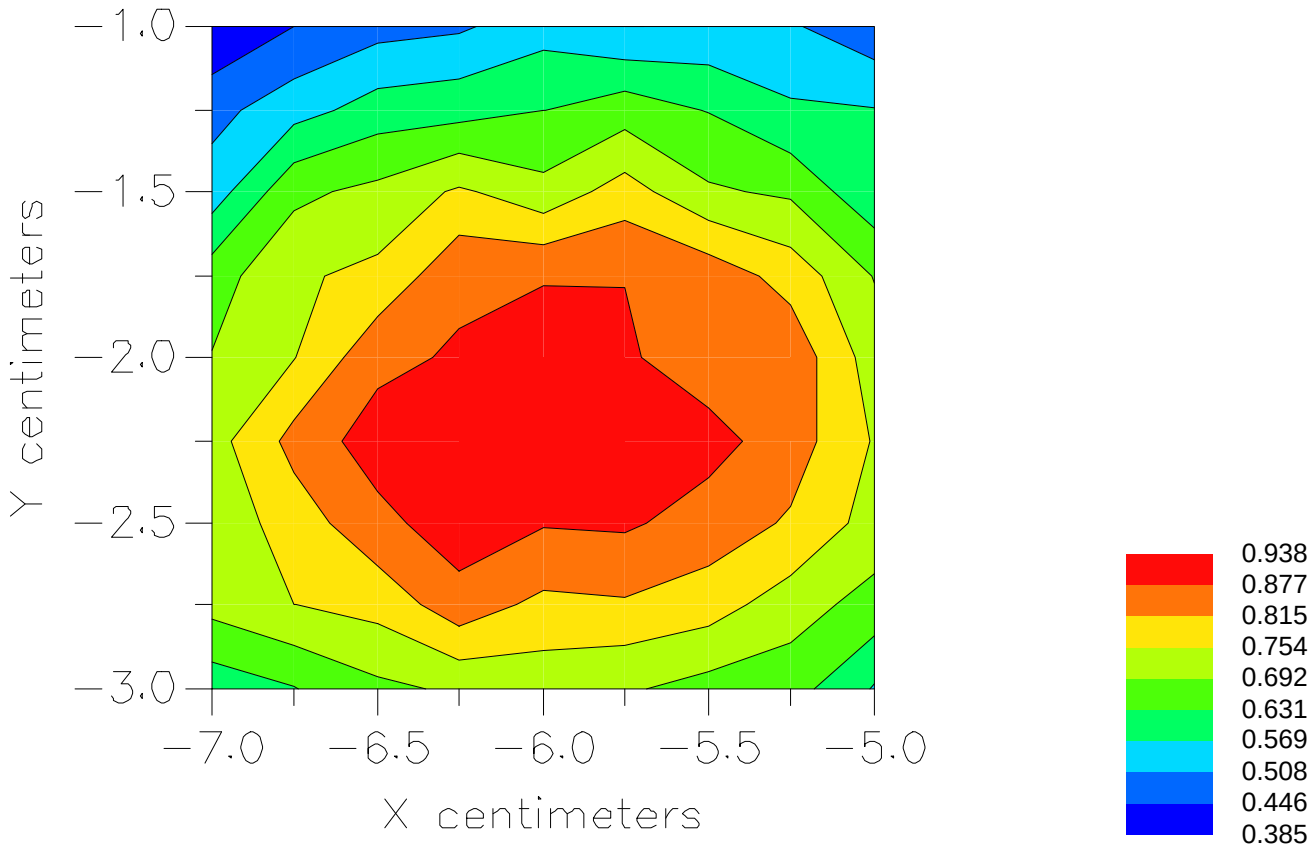
SAR Scan
File : 01011603_ZOOM
Start : 16-Jan-101 10:13:15 am End : 16-Jan-101 10:22:20 am
LGE/LG-TM220/2;1908.75MHz;W;Helical/Out;
Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 DegreesMuscle/54.200/1.850



File : 01011603_ZOOM
Start : 16-Jan-101 10:13:15 am End : 16-Jan-101 10:22:20 am
LGE/LG-TM220/2;1908.75MHz;W;Helical/Out;
Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 DegreesMuscle/54.200/1.850



File : 01011603_ZOOM
Start : 16-Jan-101 10:13:15 am End : 16-Jan-101 10:22:20 am
LGE/LG-TM220/2;1908.75MHz;W;Helical/Out;
Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 DegreesMuscle/54.200/1.850



Peak SAR Location

PCS Head SAR

File : c:/idx3/SYSTEM/SARMEAS3/data/Normal/01011118_ZOOM.VLT
Start : 11-Jan-101 04:33:23 pm End : 11-Jan-101 04:42:30 pm

Radio Type : LGE
Model Number : LG-TM220
Serial Number : 1
Frequency : 1851.25 MHz
Peak Trans. Pwr : 0.200 W
Start Trans. Pwr: 0.200 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 :
LGE TRI-MODE PHONE - PCS MODE
CHAN 0025 Conducted 23.0 dBm
LGE 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 = 11.732

Measured Values (volts) =

1.121E-002	9.120E-003	6.699E-003	4.773E-003	3.611E-003	2.890E-003
2.161E-003	1.656E-003	1.231E-003	9.736E-004	7.855E-004	6.346E-004
5.136E-004	4.233E-004	3.018E-004	3.593E-004	2.916E-004	2.677E-004
2.108E-004	1.918E-004	2.116E-004			

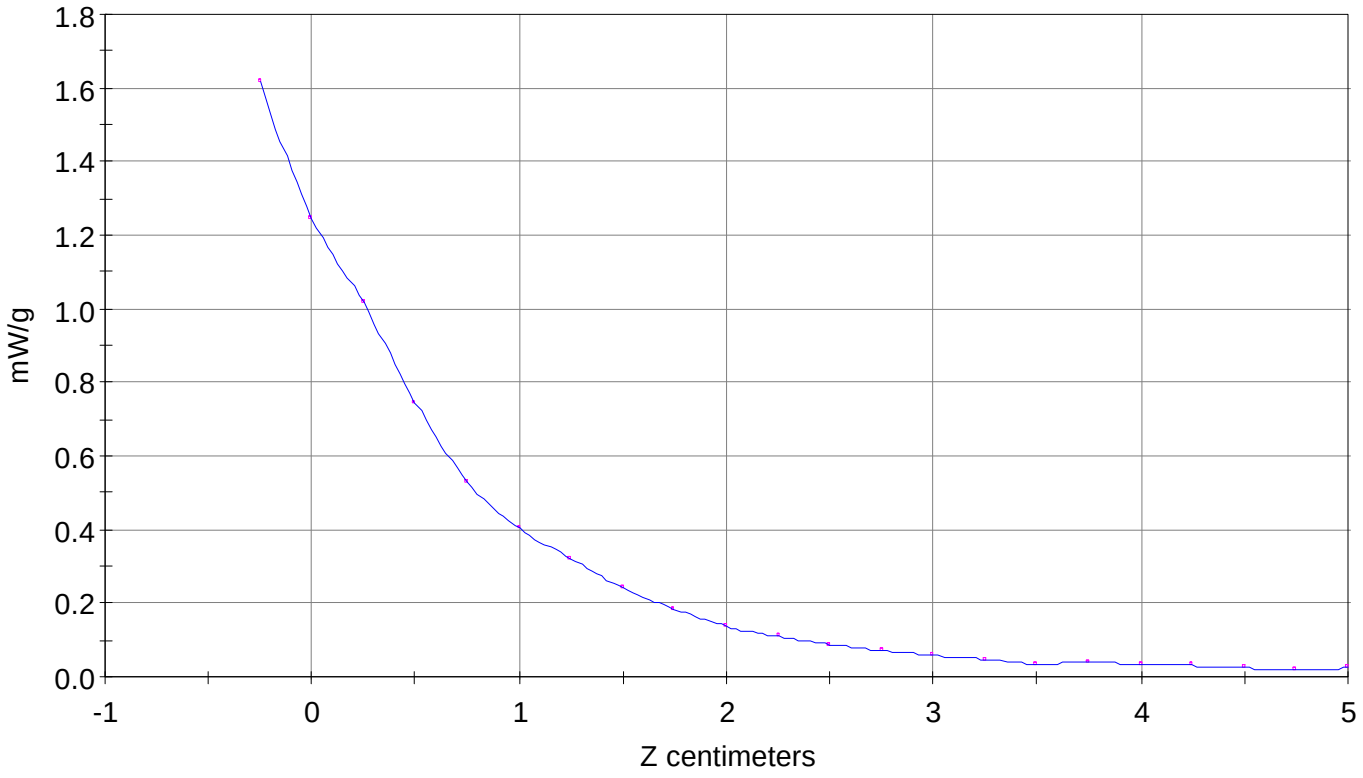
Calc. Voltage @ Surface (Vs) = 0.0145

Voltage @ 1.00 cm (Vt) = 0.0048

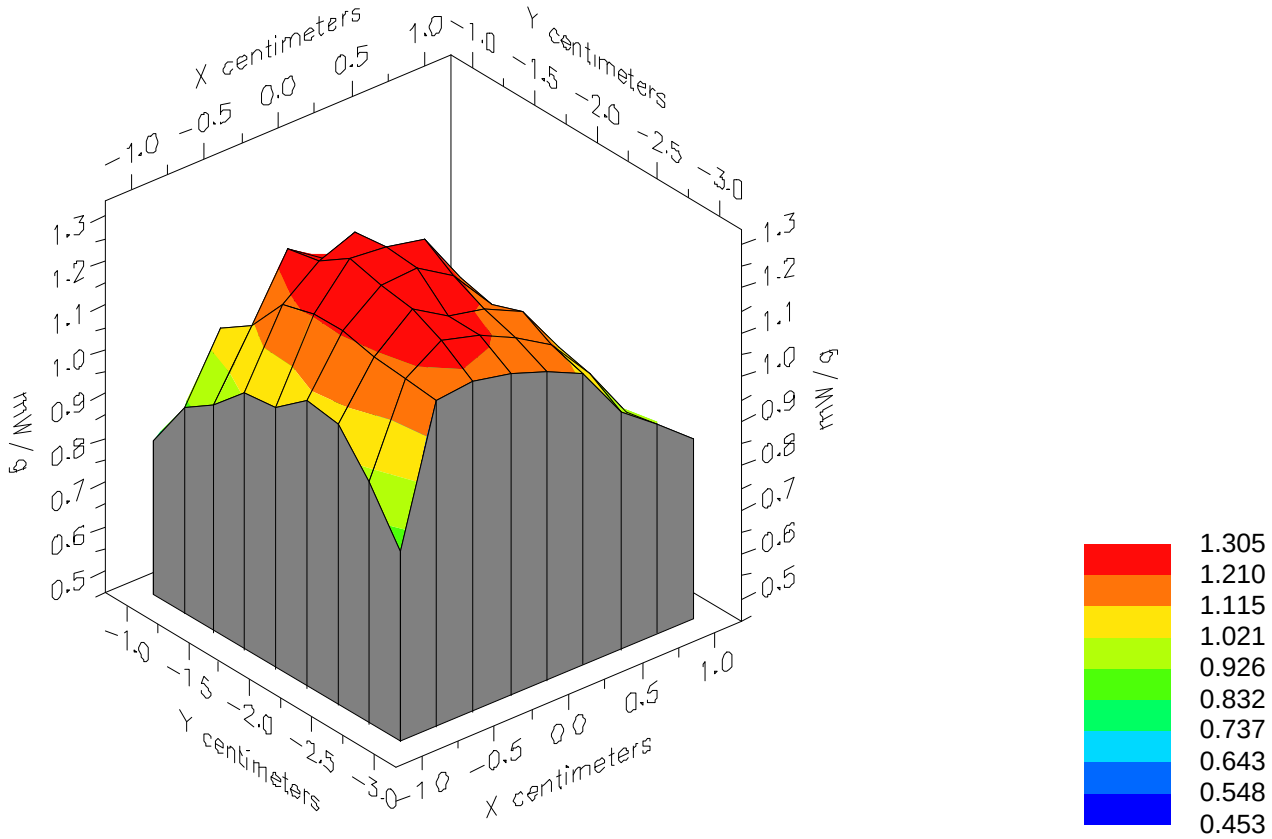
Ave. Voltage (Vs+Vt)/2 = 0.0096

Ave. SAR over 1 g (mW/g) = 1.0728

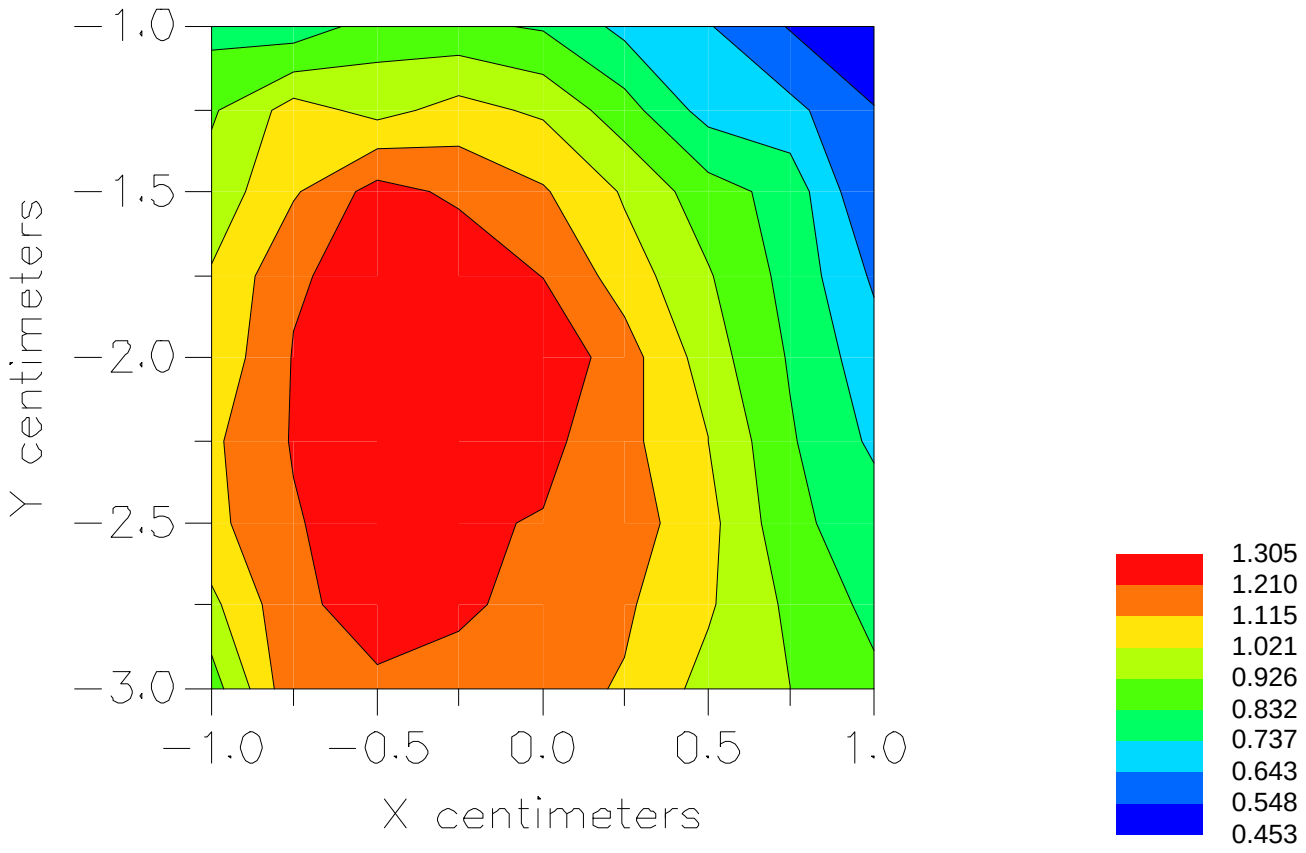
SAR Scan
File : 01011118_ZOOM
Start : 11-Jan-101 04:33:23 pm End : 11-Jan-101 04:42:30 pm
LGE/LG-TM220/1;1851.25MHz;W;Helical/In;
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/40.400/1.820



File : 01011118_ZOOM
Start : 11-Jan-101 04:33:23 pm End : 11-Jan-101 04:42:30 pm
LGE/LG-TM220/1;1851.25MHz;W;Helical/In;
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/40.400/1.820



File : 01011118_ZOOM
Start : 11-Jan-101 04:33:23 pm End : 11-Jan-101 04:42:30 pm
LGE/LG-TM220/1;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/01011122_ZOOM.VLT
Start : 11-Jan-101 05:36:34 pm End : 11-Jan-101 05:47:49 pm

Radio Type : LGE
Model Number : LG-TM220
Serial Number : 1
Frequency : 1851.25 MHz
Peak Trans. Pwr : 0.200 W
Start Trans. Pwr: 0.200 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 :
LGE TRI-MODE PHONE - PCS MODE
CHAN 0025 Conducted 23.0 dBm
LGE 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 = -1.500, Z = 0.000 (cm) Value = 2.596

Measured Values (volts) =

2.534E-003	1.801E-003	1.231E-003	9.066E-004	7.120E-004	5.526E-004
4.551E-004	4.039E-004	3.450E-004	2.998E-004	3.112E-004	2.454E-004
2.287E-004	2.206E-004	2.118E-004	2.057E-004	2.235E-004	1.867E-004
1.924E-004	1.735E-004	1.920E-004			

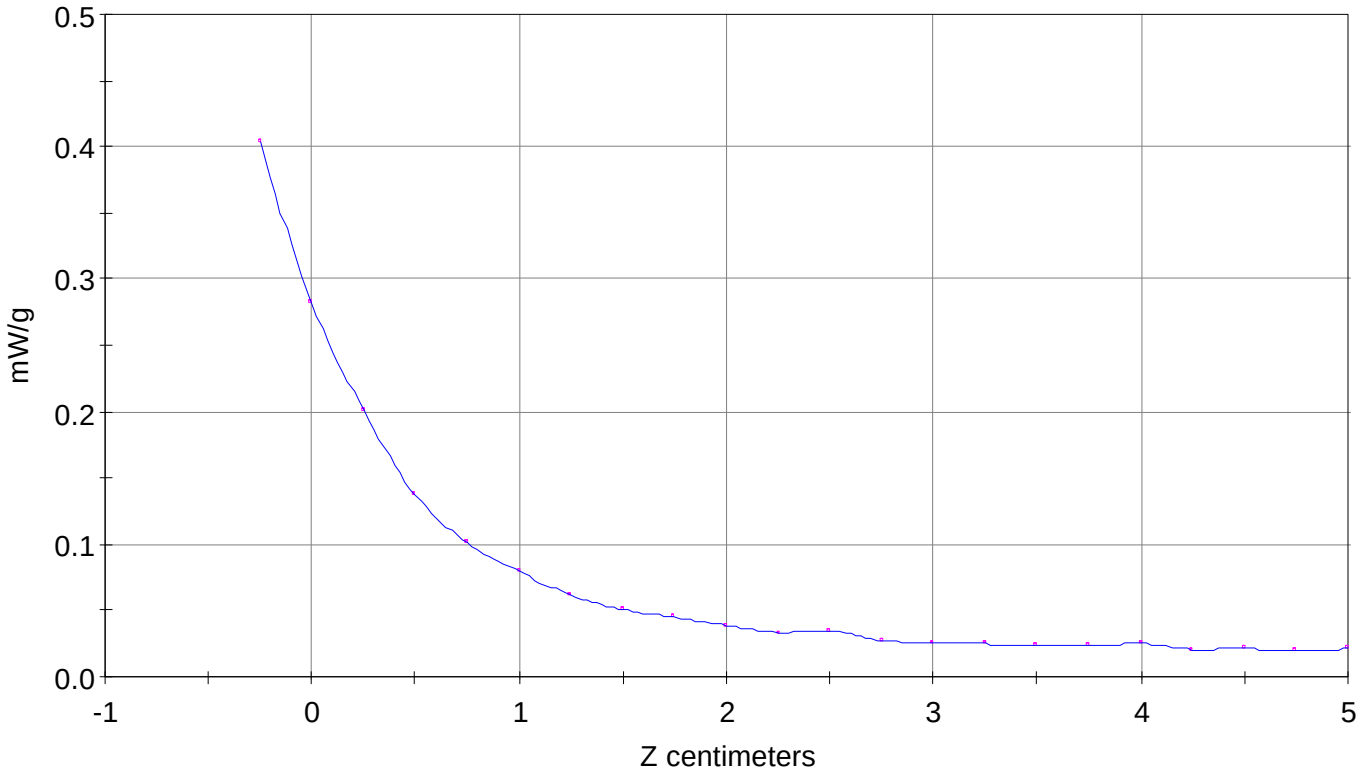
Calc. Voltage @ Surface (Vs) = 0.0036

Voltage @ 1.00 cm (Vt) = 0.0009

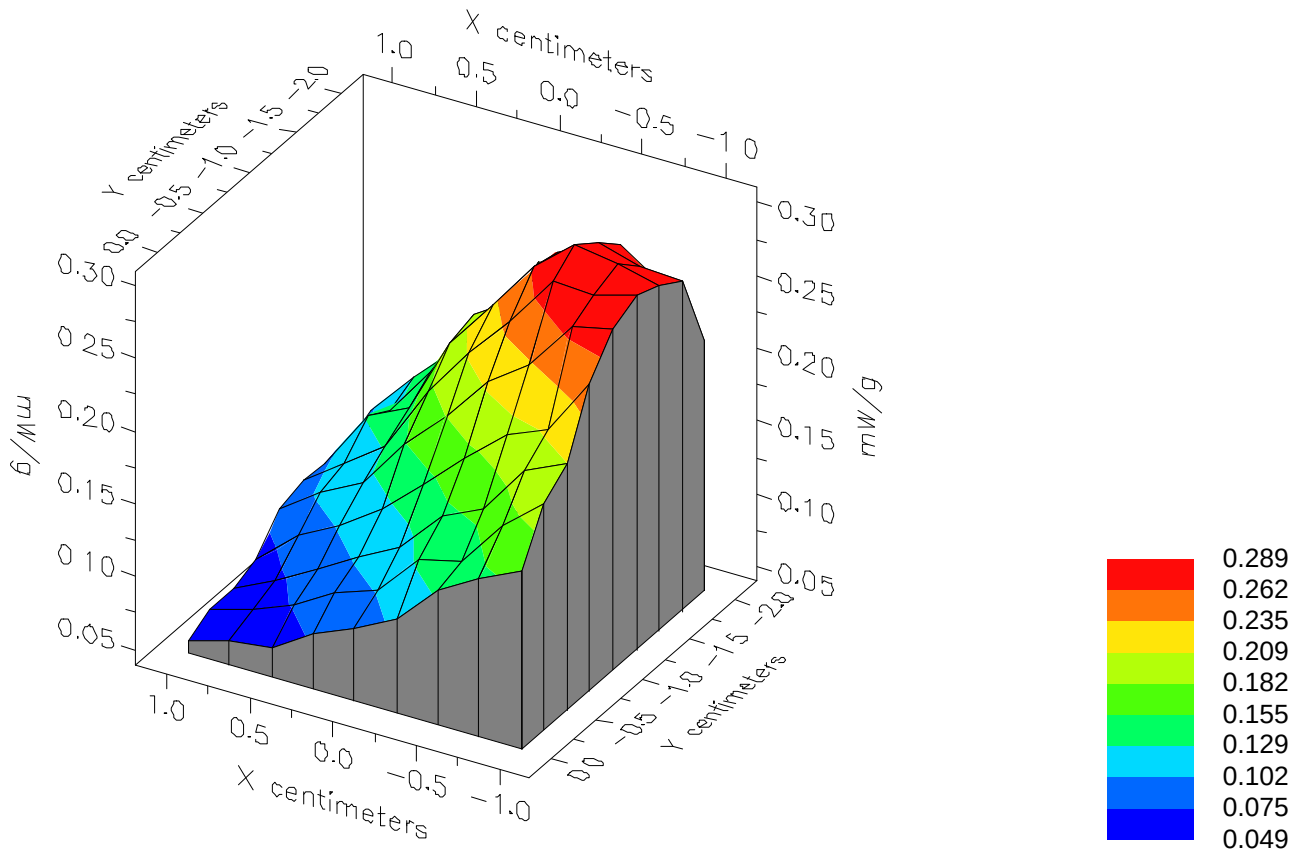
Ave. Voltage (Vs+Vt)/2 = 0.0023

Ave. SAR over 1 g (mW/g) = 0.2526

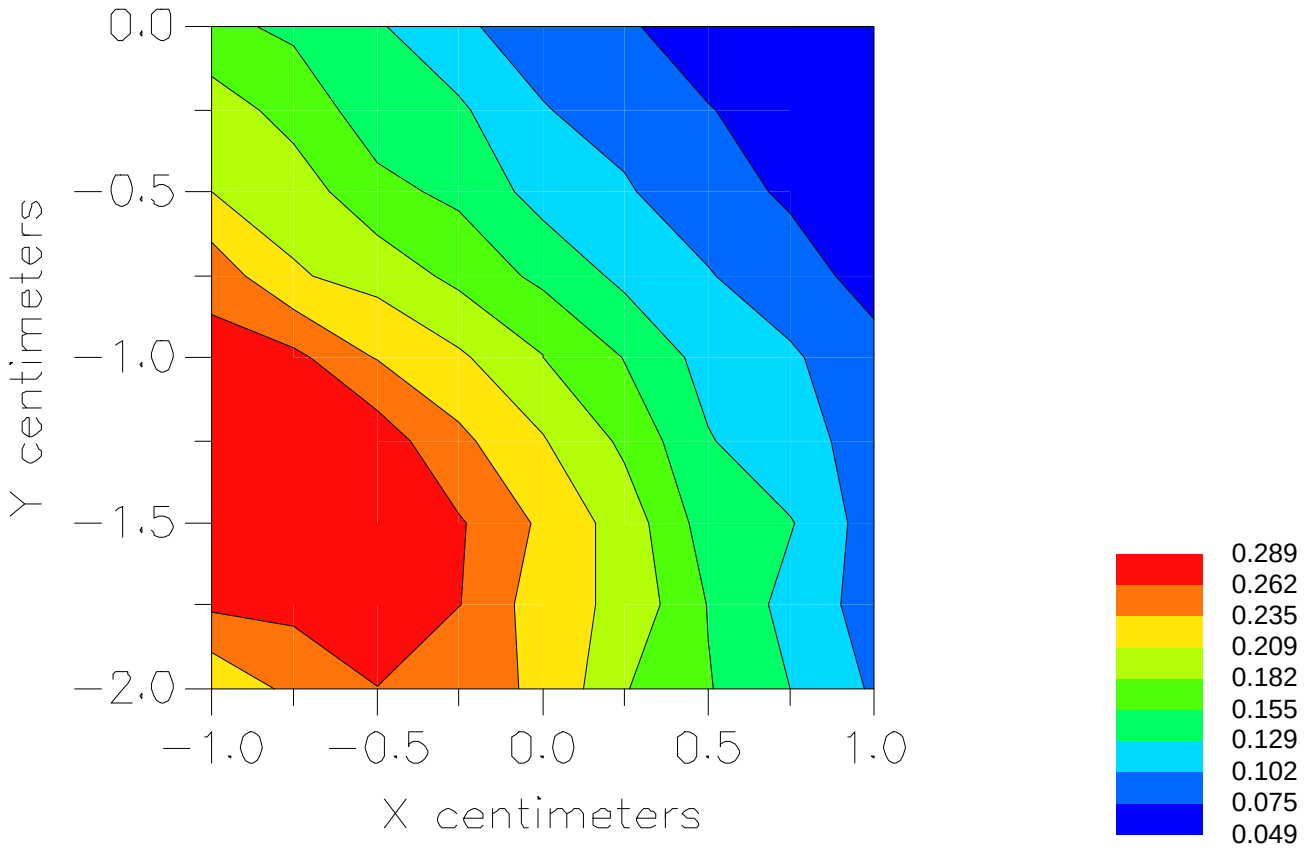
SAR Scan
File : 01011122_ZOOM
Start : 11-Jan-101 05:36:34 pm End : 11-Jan-101 05:47:49 pm
LGE/LG-TM220/1;1851.25MHz;W;Helical/Out;
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/40.400/1.820



File : 01011122_ZOOM
Start : 11-Jan-101 05:36:34 pm End : 11-Jan-101 05:47:49 pm
LGE/LG-TM220/1;1851.25MHz;W;Helical/Out;
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/40.400/1.820



File : 01011122_ZOOM
Start : 11-Jan-101 05:36:34 pm End : 11-Jan-101 05:47:49 pm
LGE/LG-TM220/1;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/01011117_ZOOM.VLT
Start : 11-Jan-101 04:20:43 pm End : 11-Jan-101 04:31:47 pm

Radio Type : LGE
Model Number : LG-TM220
Serial Number : 1
Frequency : 1800.00 MHz
Peak Trans. Pwr : 0.200 W
Start Trans. Pwr: 0.200 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 :
LGE TRI-MODE PHONE - PCS MODE
CHAN 0600 Conducted 23.0 dBm
LGE 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 = -0.250, Y = -2.250, Z = 0.000 (cm) Value = 11.253

Measured Values (volts) =

1.074E-002	8.600E-003	6.183E-003	4.696E-003	3.641E-003	2.704E-003
2.029E-003	1.599E-003	1.233E-003	9.843E-004	7.683E-004	6.101E-004
4.398E-004	3.764E-004	3.499E-004	2.844E-004	2.802E-004	2.625E-004
2.007E-004	1.821E-004	2.208E-004			

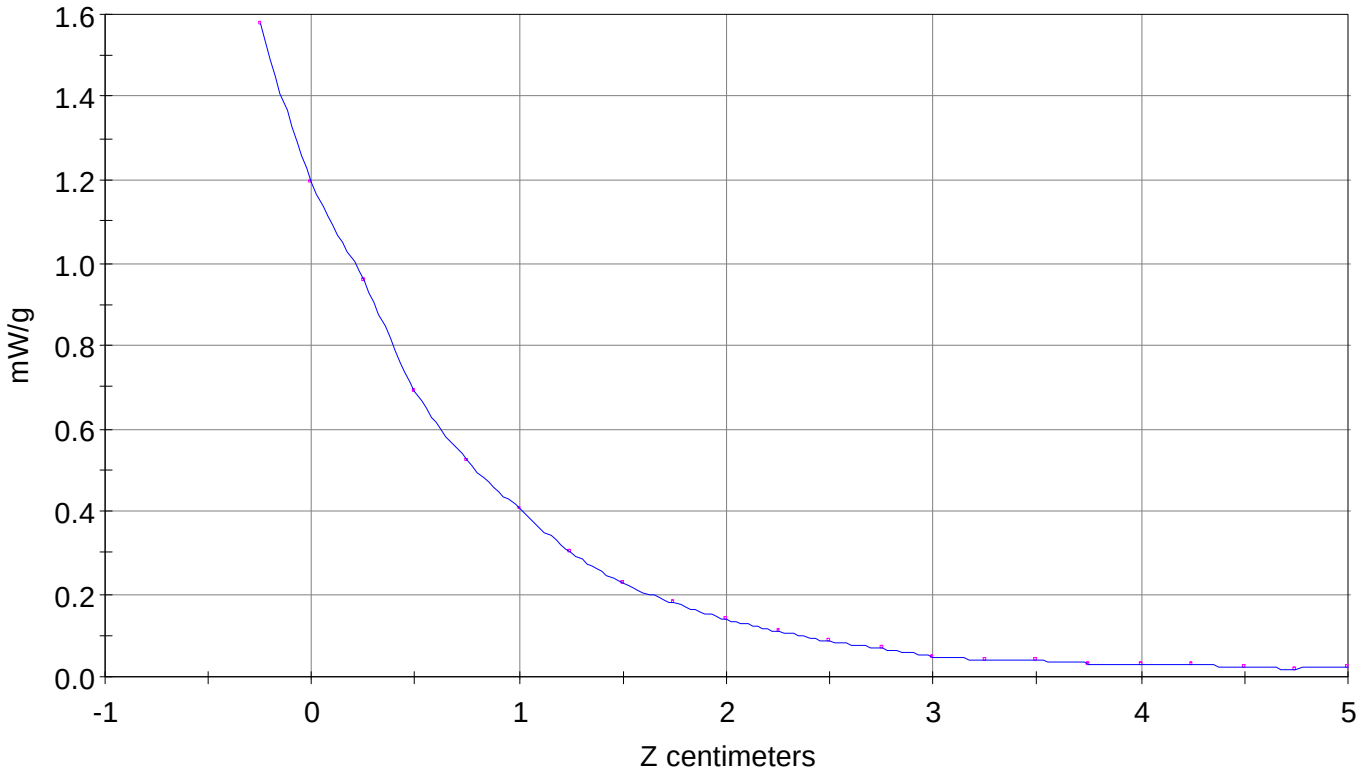
Calc. Voltage @ Surface (Vs) = 0.0142

Voltage @ 1.00 cm (Vt) = 0.0047

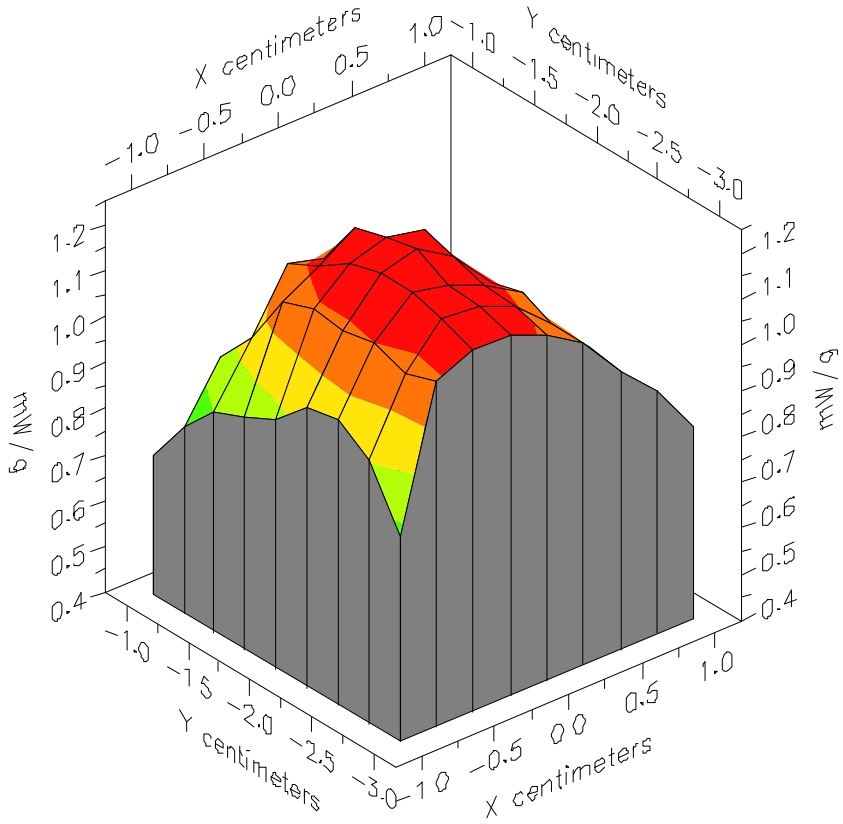
Ave. Voltage (Vs+Vt)/2 = 0.0094

Ave. SAR over 1 g (mW/g) = 1.0495

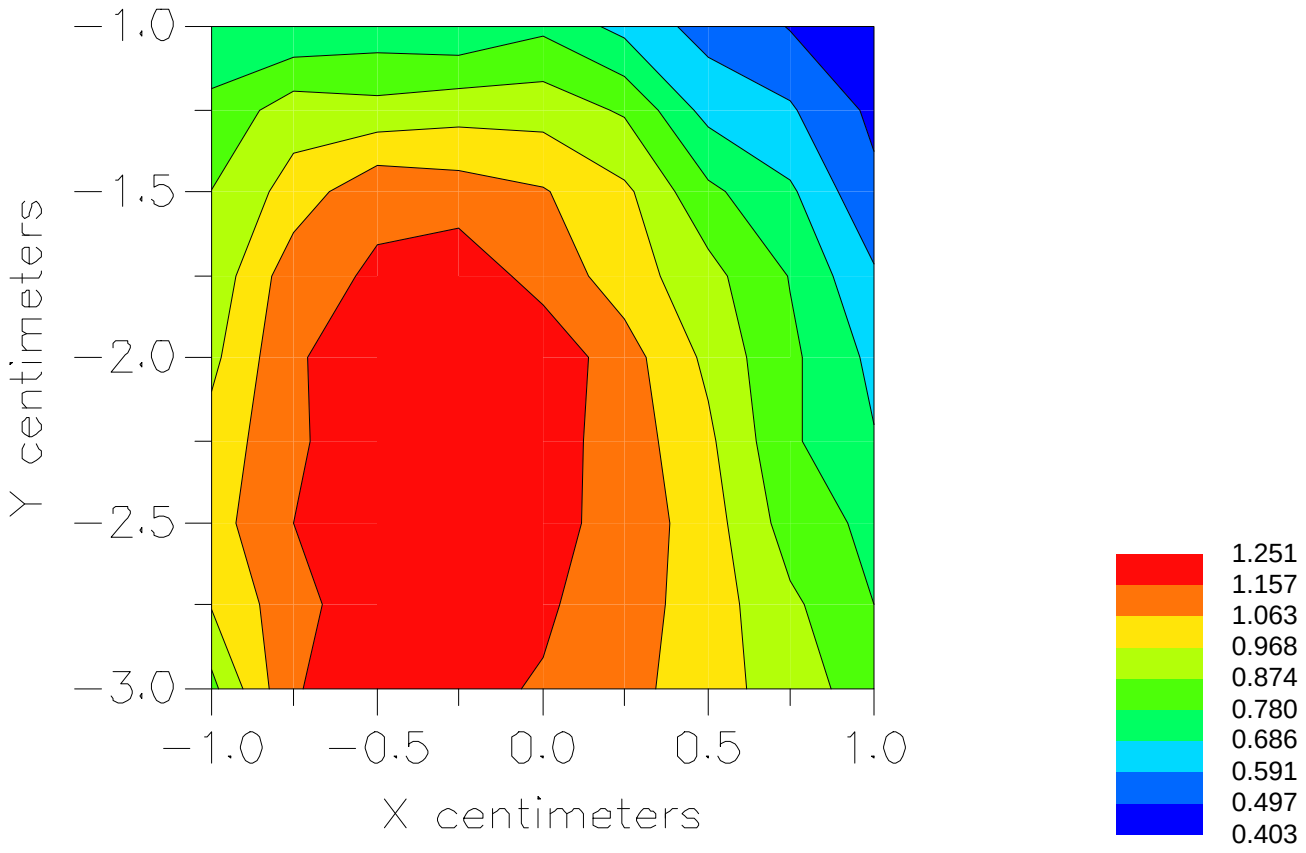
SAR Scan
File : 01011117_ZOOM
Start : 11-Jan-101 04:20:43 pm End : 11-Jan-101 04:31:47 pm
LGE/LG-TM220/1;1800.00MHz;W;Helical/In;
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/40.400/1.820



File : 01011117_ZOOM
Start : 11-Jan-101 04:20:43 pm End : 11-Jan-101 04:31:47 pm
LGE/LG-TM220/1;1800.00MHz;W;Helical/In;
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/40.400/1.820



File : 01011117_ZOOM
Start : 11-Jan-101 04:20:43 pm End : 11-Jan-101 04:31:47 pm
LGE/LG-TM220/1;1800.00MHz;W;Helical/In;
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/40.400/1.820



File : c:/idx3/SYSTEM/SARMEAS3/data/Normal/01011119_ZOOM.VLT
Start : 11-Jan-101 04:45:23 pm End : 11-Jan-101 04:56:29 pm

Radio Type : LGE
Model Number : LG-TM220
Serial Number : 1
Frequency : 1880.00 MHz
Peak Trans. Pwr : 0.200 W
Start Trans. Pwr: 0.200 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 :
LGE TRI-MODE PHONE - PCS MODE
CHAN 0600 Conducted 23.0 dBm
LGE 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 = -1.750, Z = 0.000 (cm) Value = 3.227

Measured Values (volts) =

2.957E-003	2.184E-003	1.567E-003	1.191E-003	9.376E-004	7.252E-004
5.835E-004	4.807E-004	4.207E-004	3.802E-004	3.113E-004	2.741E-004
2.495E-004	2.579E-004	1.856E-004	2.822E-004	2.258E-004	2.565E-004
1.795E-004	2.063E-004	1.658E-004			

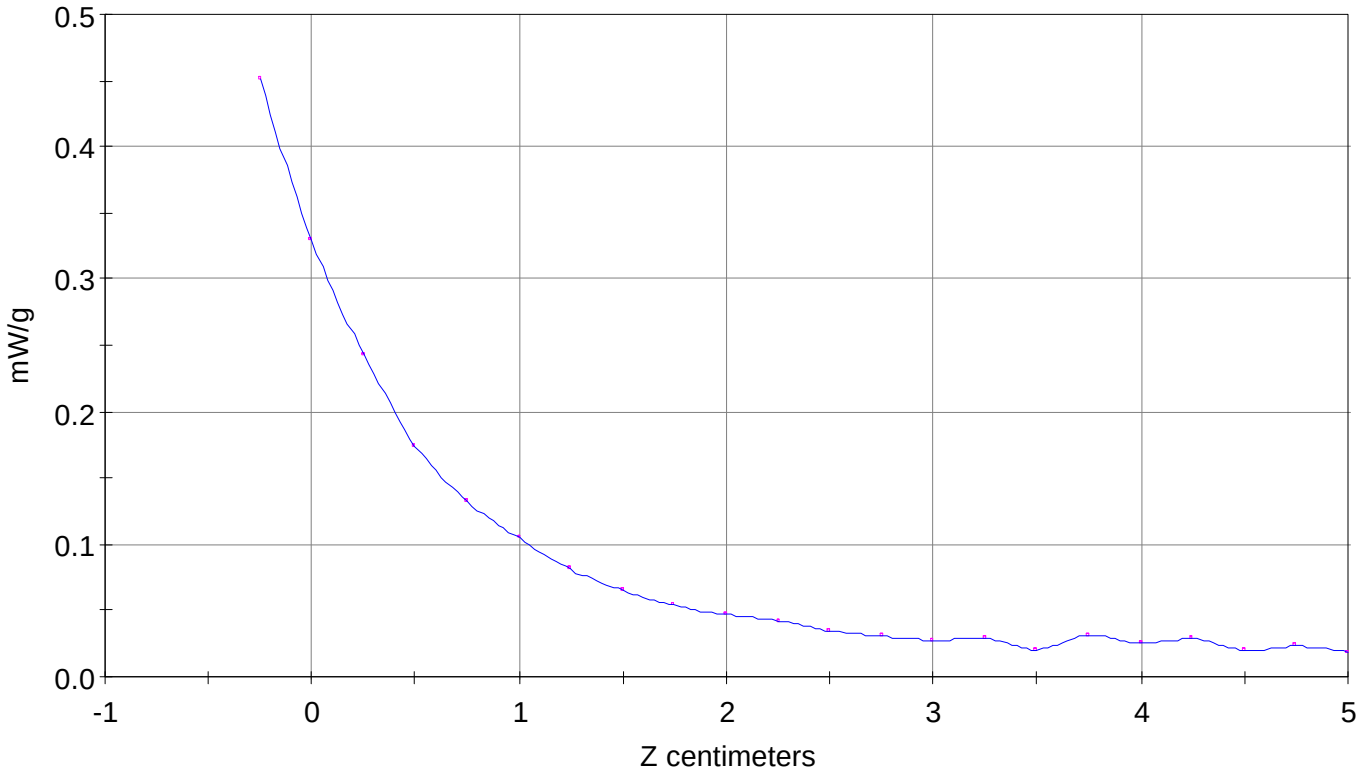
Calc. Voltage @ Surface (Vs) = 0.0041

Voltage @ 1.00 cm (Vt) = 0.0012

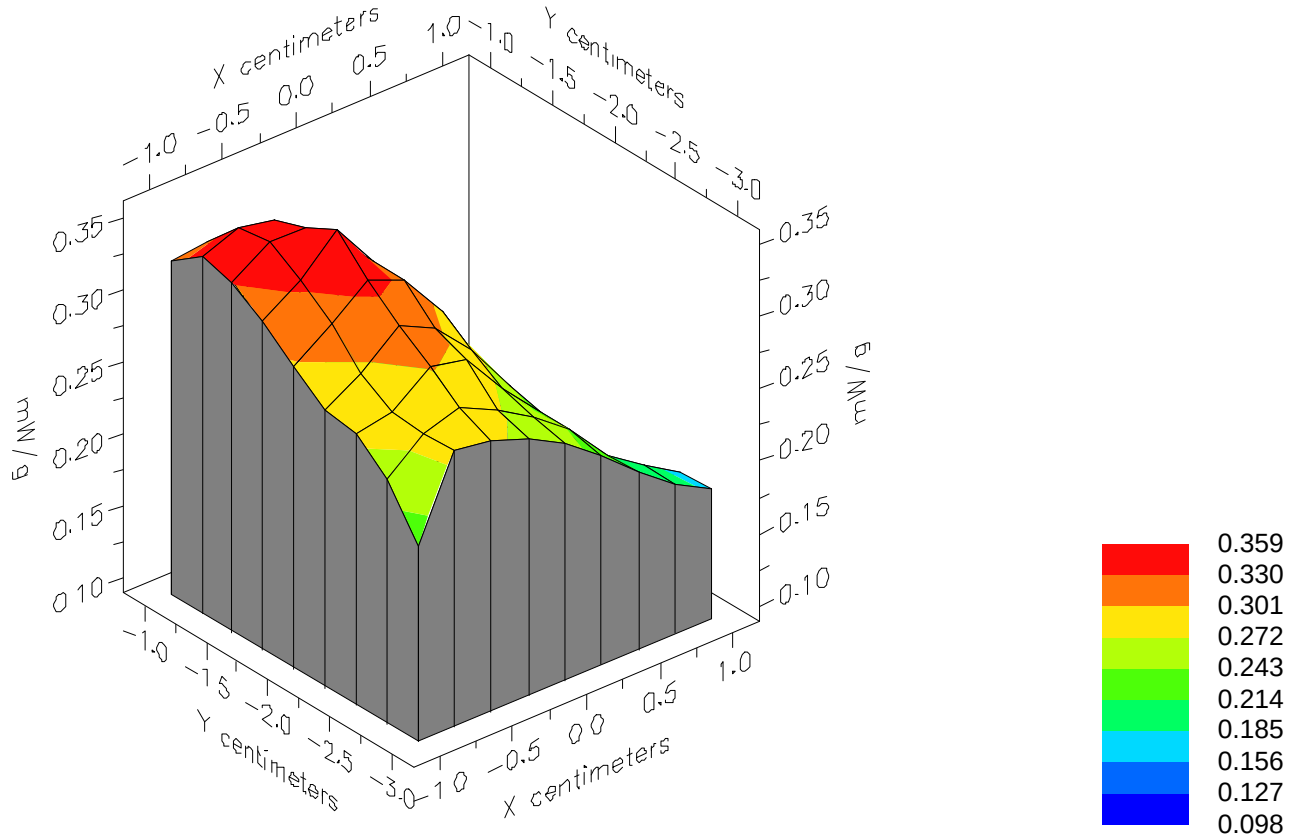
Ave. Voltage (Vs+Vt)/2 = 0.0026

Ave. SAR over 1 g (mW/g) = 0.2921

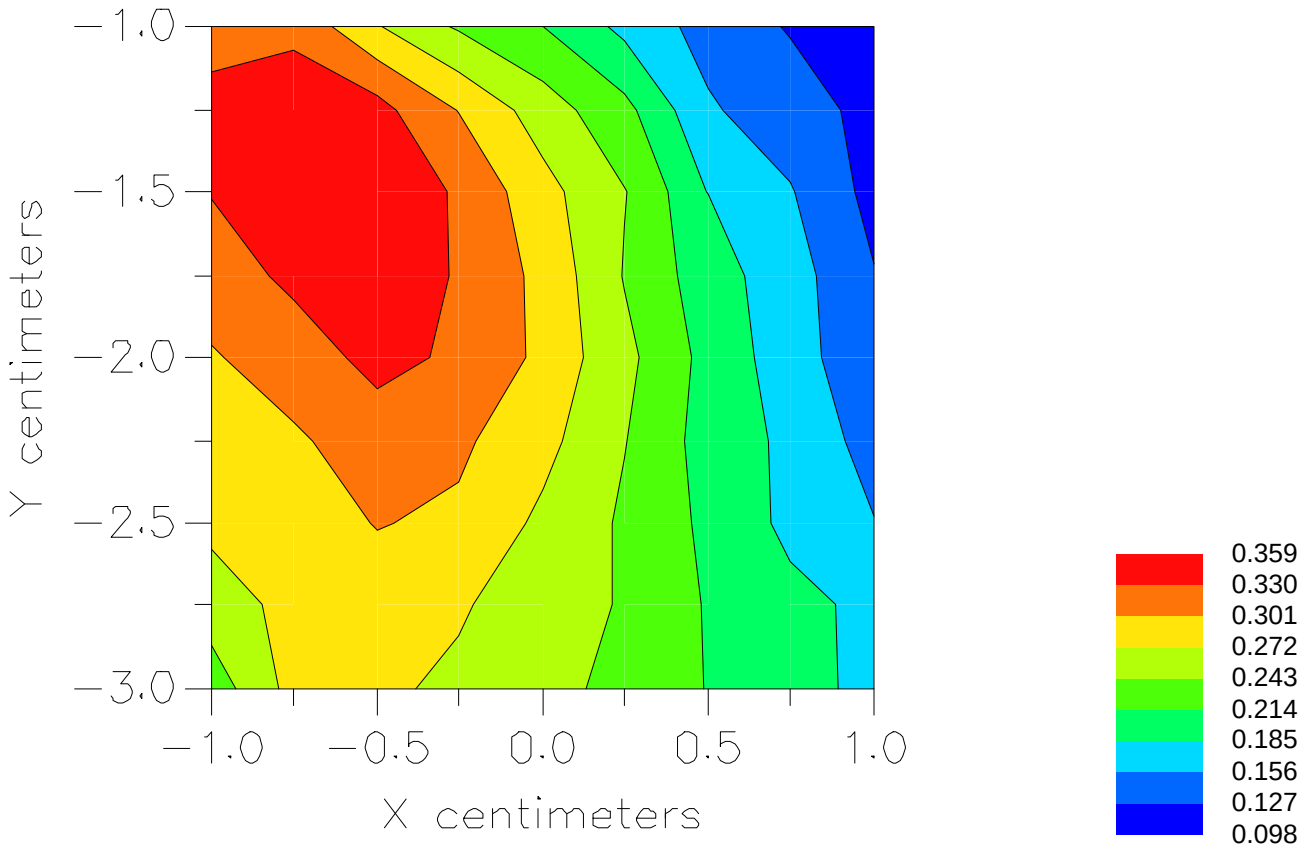
SAR Scan
File : 01011119_ZOOM
Start : 11-Jan-101 04:45:23 pm End : 11-Jan-101 04:56:29 pm
LGE/LG-TM220/1;1880.00MHz;W;Helical/Out;
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/40.400/1.820



File : 01011119_ZOOM
Start : 11-Jan-101 04:45:23 pm End : 11-Jan-101 04:56:29 pm
LGE/LG-TM220/1;1880.00MHz;W;Helical/Out;
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/40.400/1.820



File : 01011119_ZOOM
Start : 11-Jan-101 04:45:23 pm End : 11-Jan-101 04:56:29 pm
LGE/LG-TM220/1;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/01011011_ZOOM.VLT
Start : 10-Jan-101 04:23:27 pm End : 10-Jan-101 04:35:47 pm

Radio Type : LGE
Model Number : LG-TM220
Serial Number : 1
Frequency : 1908.75 MHz
Peak Trans. Pwr : 0.200 W
Start Trans. Pwr: 0.200 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 :
LGE TRI-MODE PHONE - PCS MODE
CHAN 1175 Conducted 23.0 dBm
LGE 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 = -2.250, Z = 0.000 (cm) Value = 13.687

Measured Values (volts) =

1.345E-002	1.125E-002	8.145E-003	5.841E-003	4.387E-003	3.367E-003
2.588E-003	1.932E-003	1.504E-003	1.161E-003	9.221E-004	7.673E-004
5.489E-004	4.894E-004	4.331E-004	4.213E-004	3.370E-004	2.560E-004
2.343E-004	2.036E-004	2.404E-004			

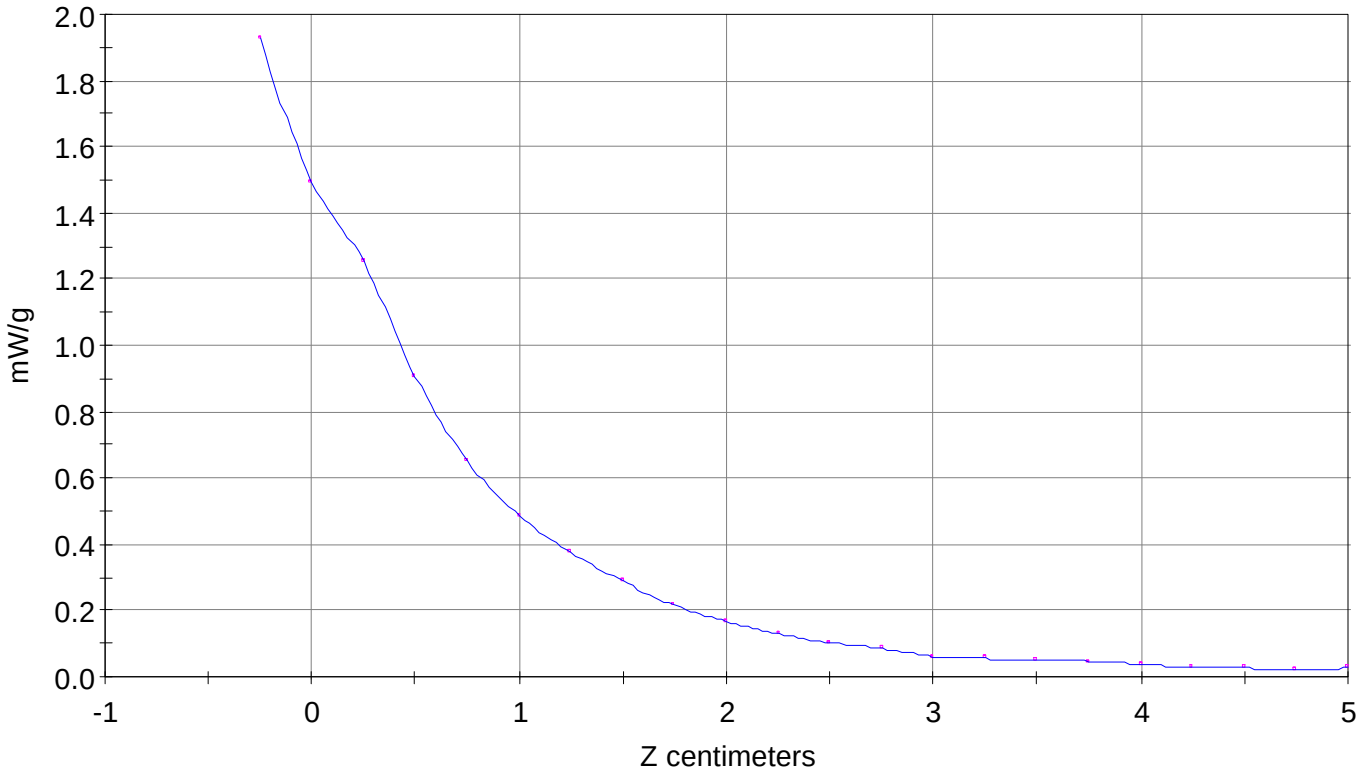
Calc. Voltage @ Surface (Vs) = 0.0173

Voltage @ 1.00 cm (Vt) = 0.0058

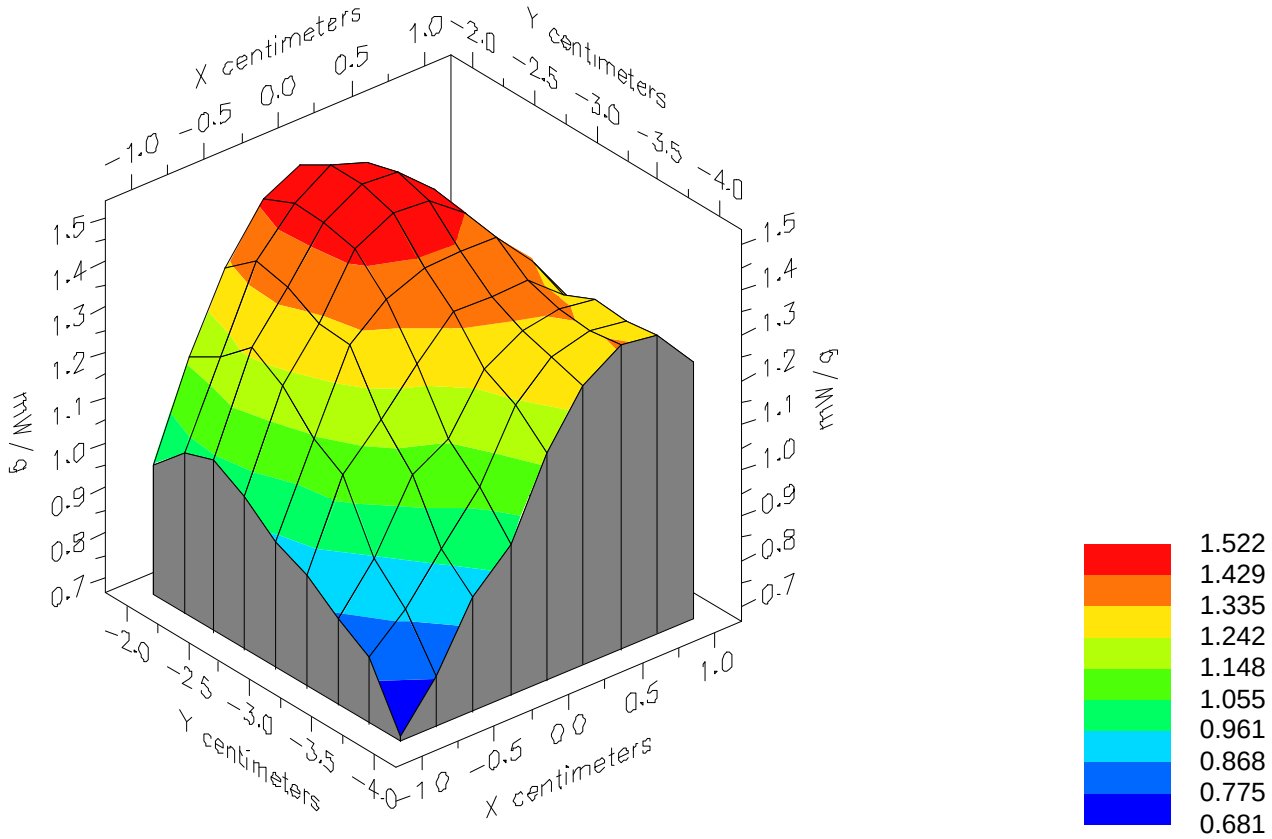
Ave. Voltage (Vs+Vt)/2 = 0.0116

Ave. SAR over 1 g (mW/g) = 1.2882

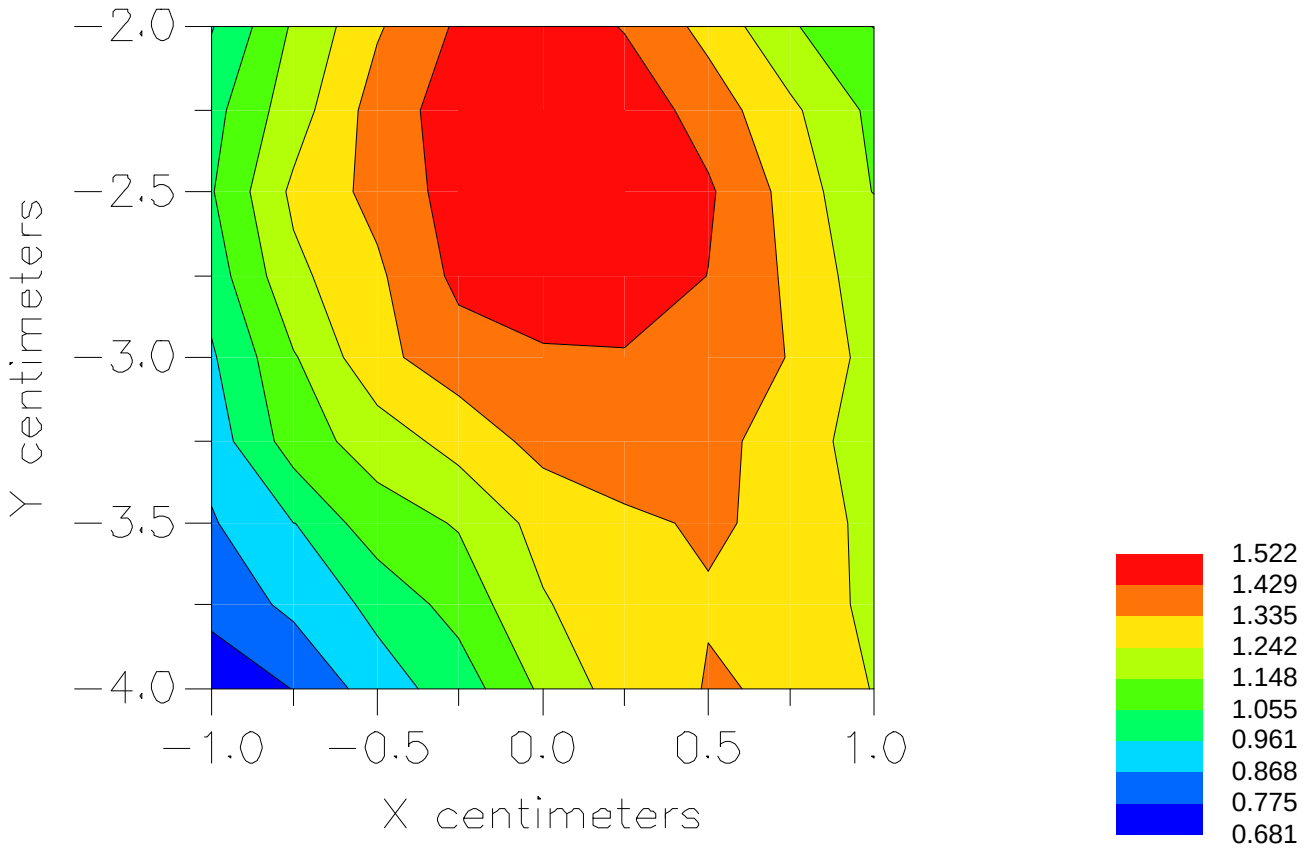
SAR Scan
File : 01011011_ZOOM
Start : 10-Jan-101 04:23:27 pm End : 10-Jan-101 04:35:47 pm
LGE/LG-TM220/1;1908.75MHz;W;Helical/In;
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/40.400/1.820



File : 01011011_ZOOM
Start : 10-Jan-101 04:23:27 pm End : 10-Jan-101 04:35:47 pm
LGE/LG-TM220/1;1908.75MHz;W;Helical/In;
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/40.400/1.820



File : 01011011_ZOOM
Start : 10-Jan-101 04:23:27 pm End : 10-Jan-101 04:35:47 pm
LGE/LG-TM220/1;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/01011121_ZOOM.VLT
Start : 11-Jan-101 05:23:27 pm End : 11-Jan-101 05:34:43 pm

Radio Type : LGE
Model Number : LG-TM220
Serial Number : 1
Frequency : 1908.75 MHz
Peak Trans. Pwr : 0.200 W
Start Trans. Pwr: 0.200 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 :
LGE TRI-MODE PHONE - PCS MODE
CHAN 1175 Conducted 23.0 dBm
LGE 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 = -1.500, Z = 0.000 (cm) Value = 4.258

Measured Values (volts) =

4.314E-003	3.123E-003	2.102E-003	1.534E-003	1.228E-003	9.402E-004
7.274E-004	5.458E-004	4.741E-004	4.188E-004	3.806E-004	2.937E-004
2.691E-004	2.444E-004	2.119E-004	2.248E-004	2.252E-004	2.067E-004
1.925E-004	2.063E-004	2.209E-004			

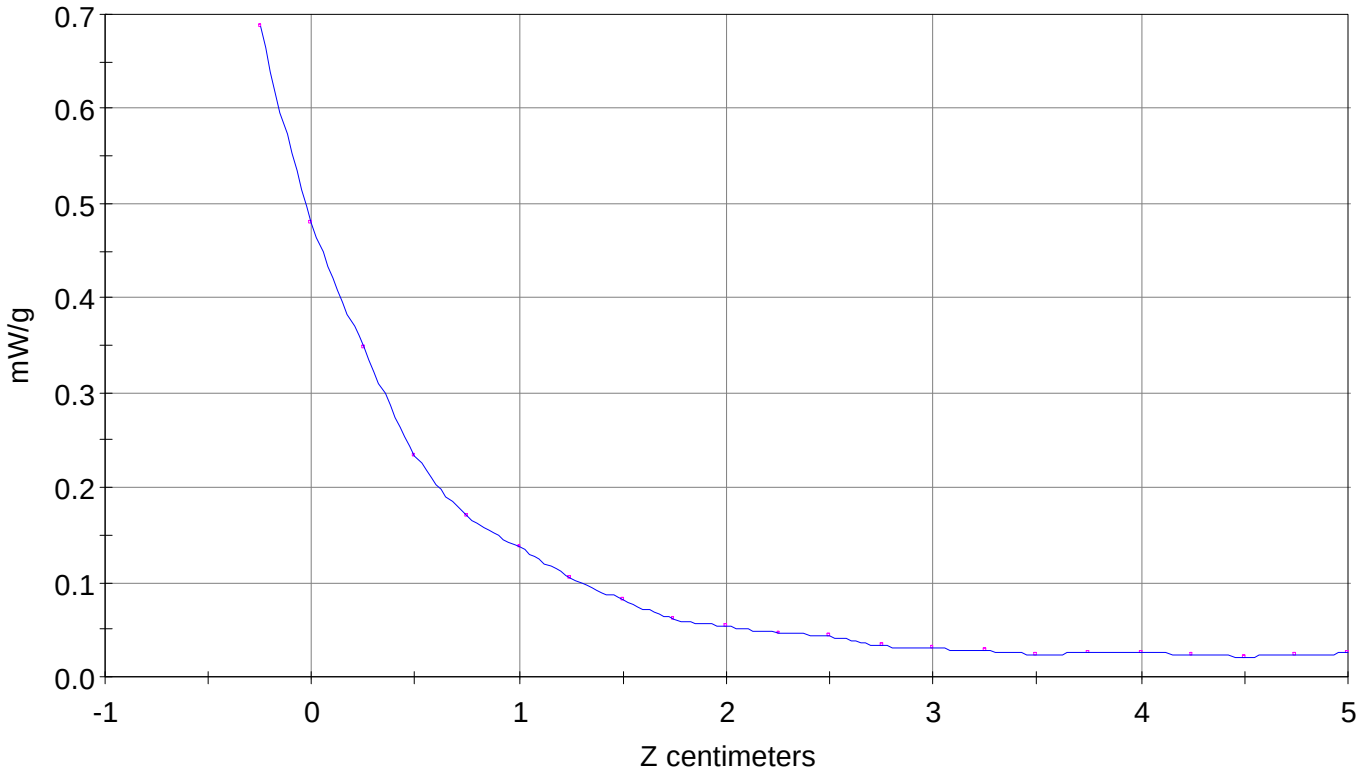
Calc. Voltage @ Surface (Vs) = 0.0062

Voltage @ 1.00 cm (Vt) = 0.0015

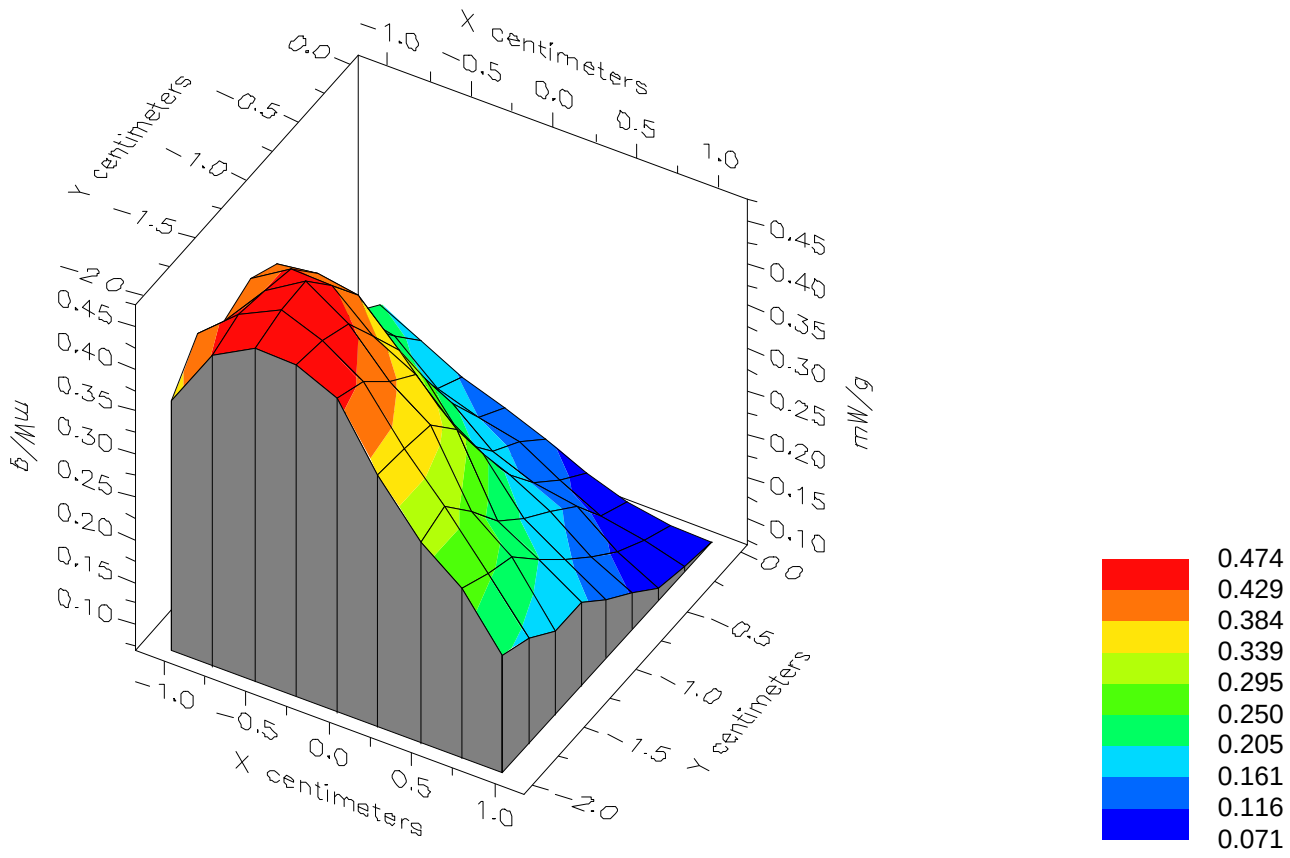
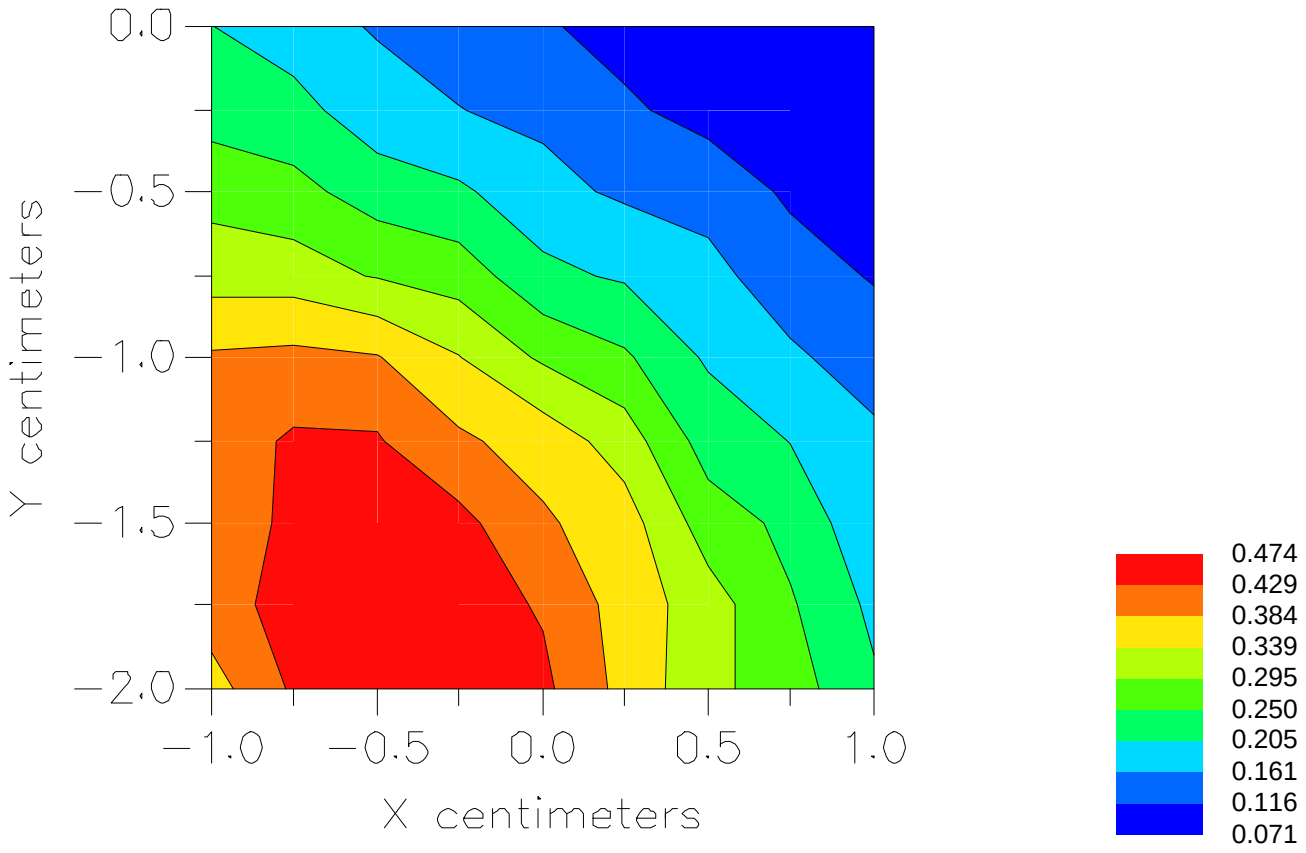
Ave. Voltage (Vs+Vt)/2 = 0.0039

Ave. SAR over 1 g (mW/g) = 0.4292

SAR Scan
File : 01011121_ZOOM
Start : 11-Jan-101 05:23:27 pm End : 11-Jan-101 05:34:43 pm
LGE/LG-TM220/1;1908.75MHz;W;Helical/Out;
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/40.400/1.820



File : 01011121_ZOOM
Start : 11-Jan-101 05:23:27 pm End : 11-Jan-101 05:34:43 pm
LGE/LG-TM220/1;1908.75MHz;W;Helical/Out;
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/40.400/1.820



File : 01011121_ZOOM
Start : 11-Jan-101 05:23:27 pm End : 11-Jan-101 05:34:43 pm
LGE/LG-TM220/1;1908.75MHz;W;Helical/Out;
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/40.400/1.820