

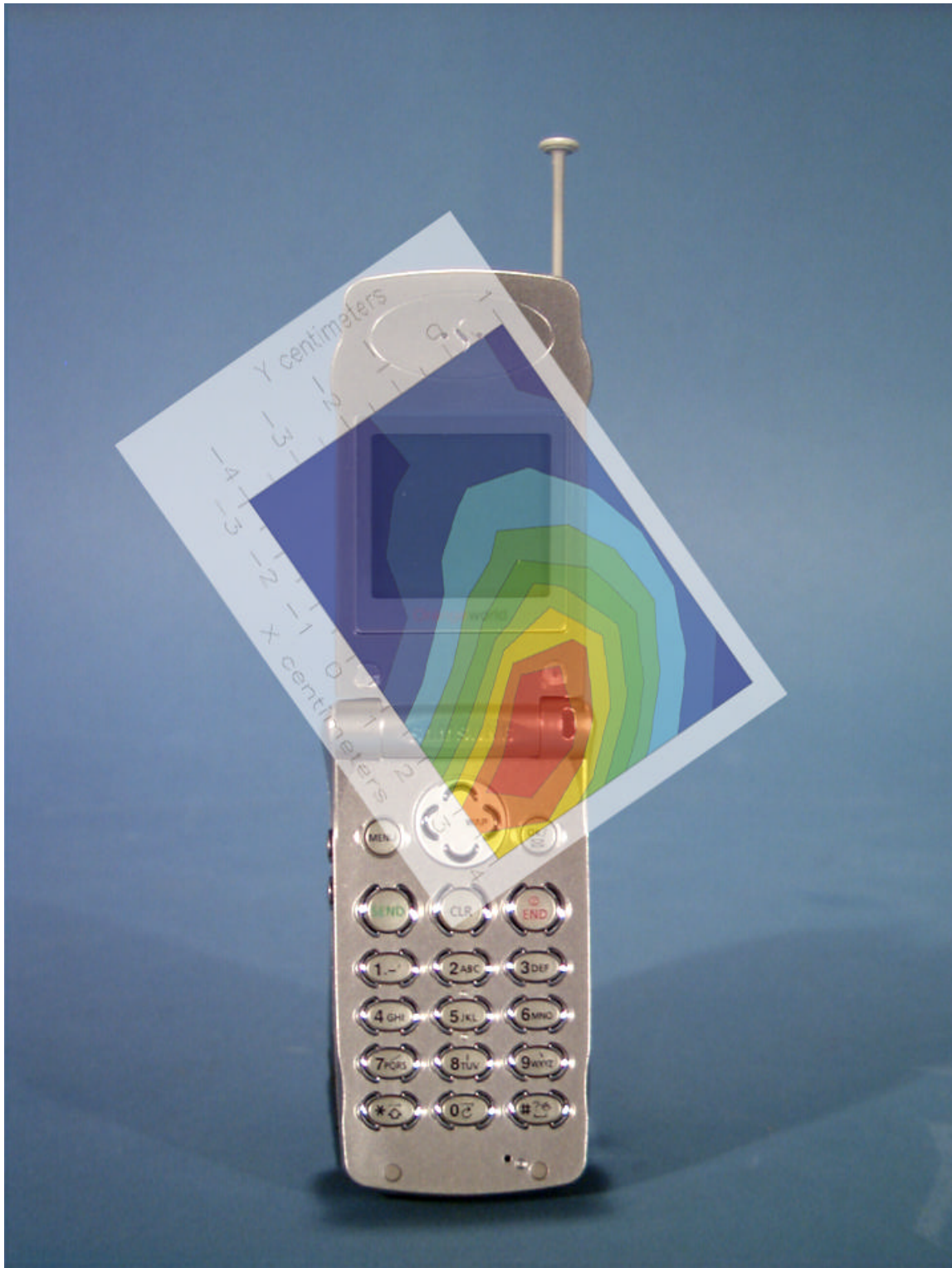
## **ATTACHMENT O – SAR TEST DATA**

---

## Peak SAR Location

---

### Head SAR



File : c:/idx3/SYSTEM/SARMEAS3/data/Normal/01060109\_ZOOM.VLT  
Start : 1-Jun-101 02:53:02 pm End : 1-Jun-101 03:02:18 pm

Radio Type : SAMSUNG  
Model Number : SCH-A301  
Serial Number : 1  
Frequency : 824.70 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 = 41.500  
Mixture Conductivity = 0.900

Comment :  
SAMSUNG SINGLE MODE PHONE - CDMA MODE  
CH 1013 Conducted 23.0 dBm  
SAMSUNG SINGLE MODE PHONE - HEAD SAR

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 = -2.250, Z = 0.000 (cm) Value = 21.947

Measured Values (volts) =  
2.196E-002 1.657E-002 1.372E-002 1.130E-002 1.004E-002 8.750E-003  
7.868E-003 7.150E-003 6.523E-003 6.029E-003 5.530E-003 4.983E-003  
4.377E-003 3.777E-003 3.216E-003 2.665E-003 2.196E-003 1.891E-003  
1.715E-003 1.640E-003 1.670E-003

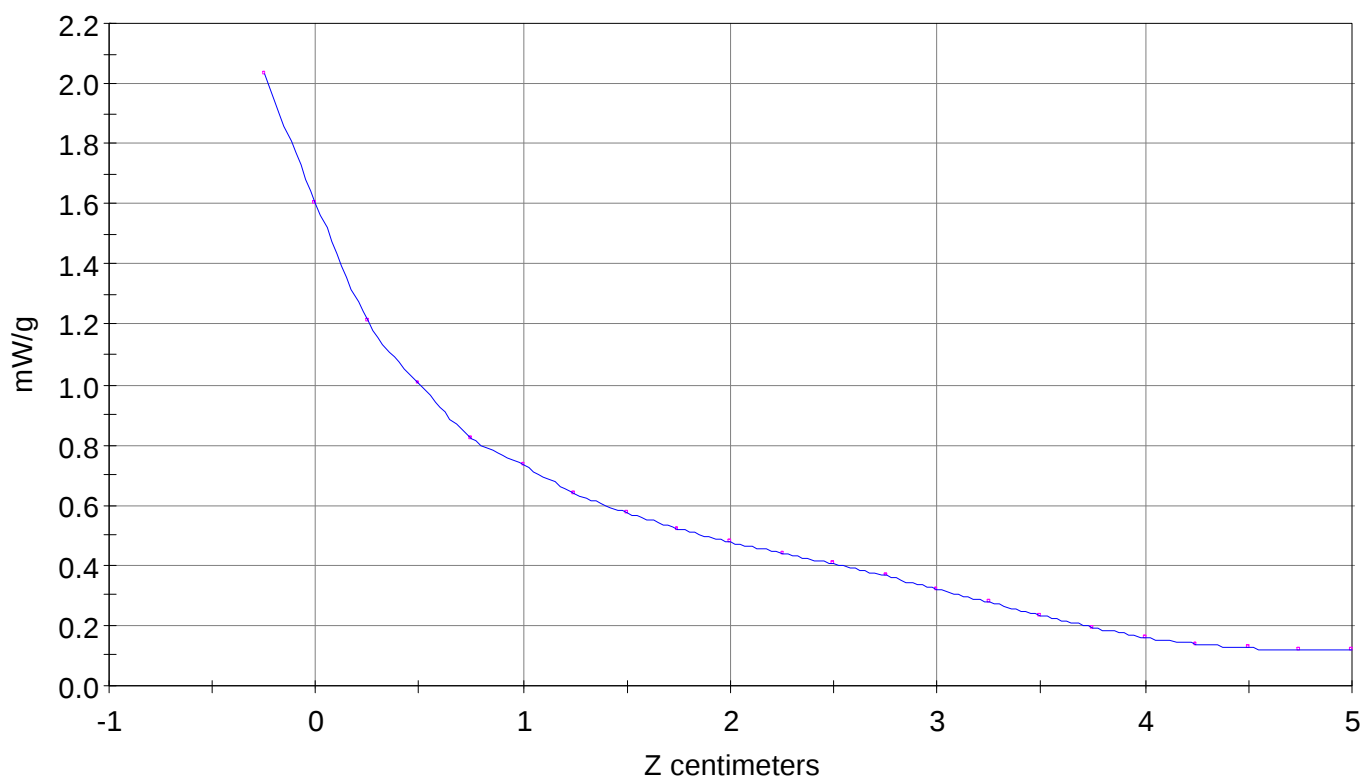
Calc. Voltage @ Surface (Vs) = 0.0278

Voltage @ 1.00 cm (Vt) = 0.0113

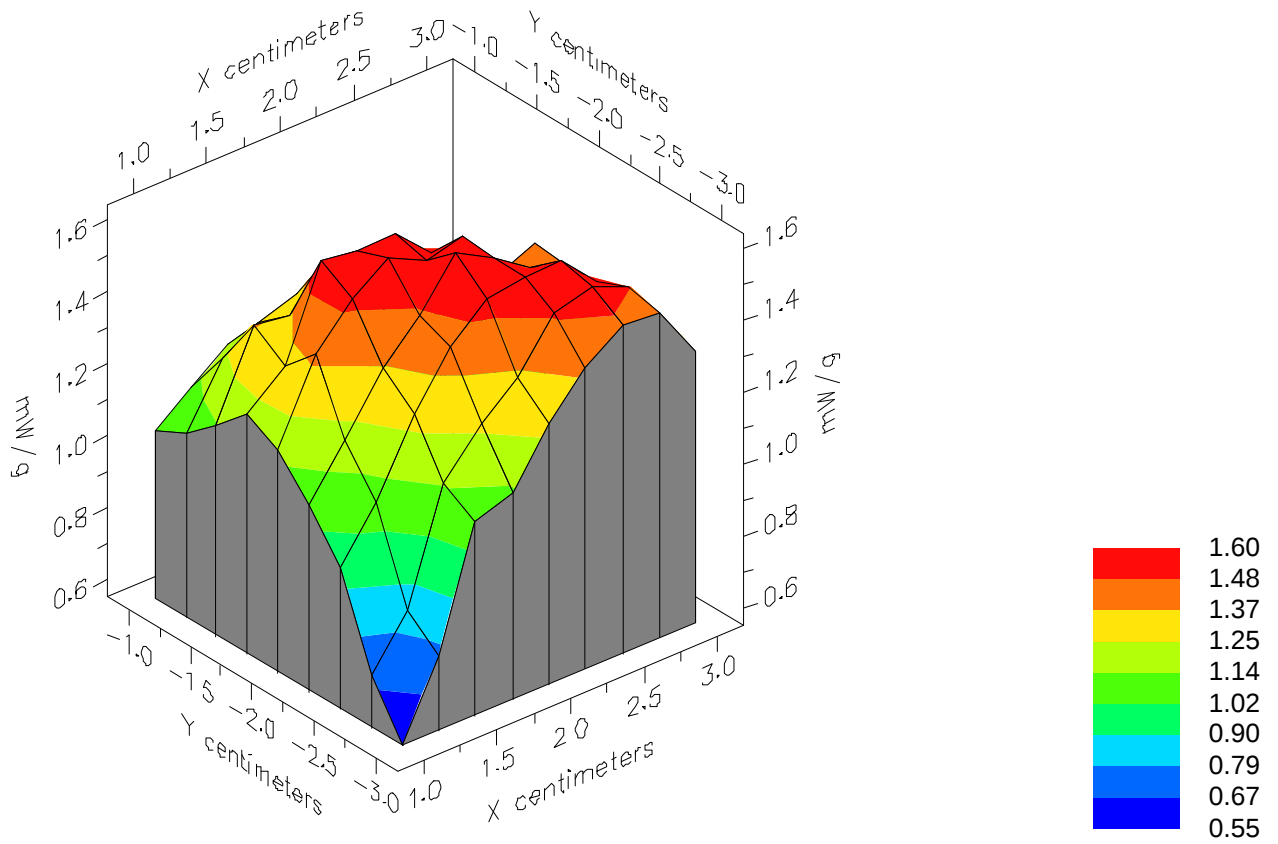
Ave. Voltage (Vs+Vt)/2 = 0.0196

Ave. SAR over 1 g (mW/g) = 1.4269

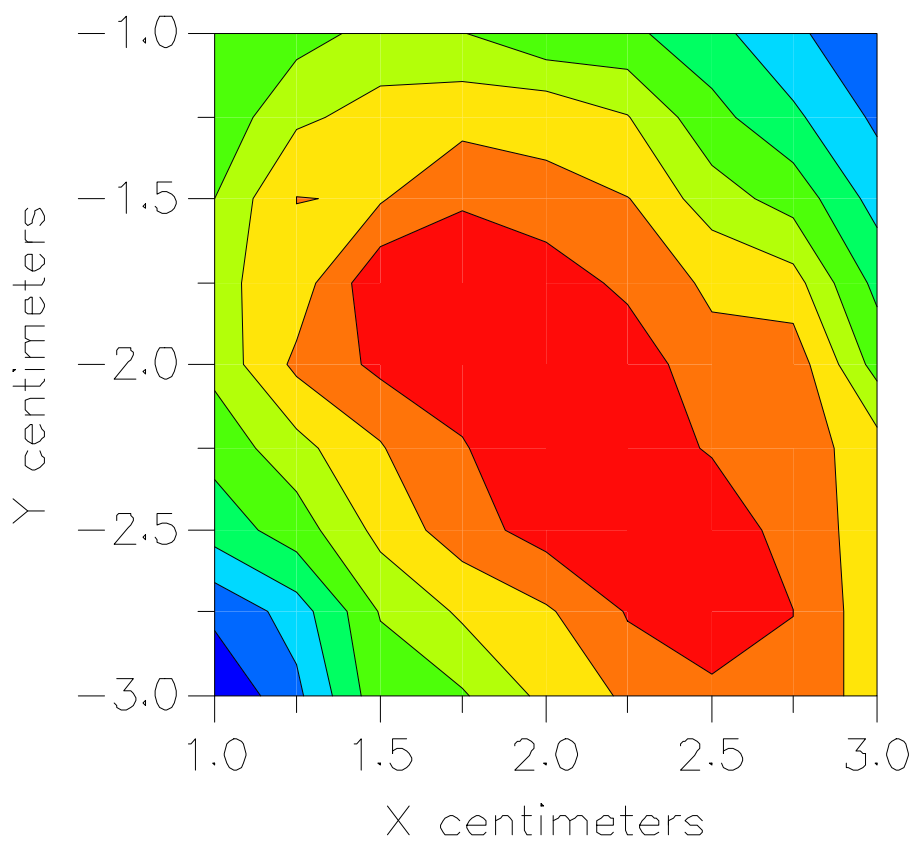
SAR Scan  
File : 01060109\_ZOOM  
Start : 1-Jun-101 02:53:02 pm End : 1-Jun-101 03:02:18 pm  
SAMSUNG/SCH-A301/1;824.70MHz;W;Helical/In;  
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/41.500/0.900



File : 01060109\_ZOOM  
Start : 1-Jun-101 02:53:02 pm End : 1-Jun-101 03:02:18 pm  
SAMSUNG/SCH-A301/1;824.70MHz;W;Helical/In;  
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/41.500/0.900



File : 01060109\_ZOOM  
Start : 1-Jun-101 02:53:02 pm End : 1-Jun-101 03:02:18 pm  
SAMSUNG/SCH-A301/1;824.70MHz;W;Helical/In;  
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/41.500/0.900



File : c:/idx3/SYSTEM/SARMEAS3/data/Normal/01060103\_ZOOM.VLT  
Start : 1-Jun-101 11:26:01 am End : 1-Jun-101 11:35:13 am

Radio Type : SAMSUNG  
Model Number : SCH-A301  
Serial Number : 1  
Frequency : 824.70 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 = 41.500  
Mixture Conductivity = 0.900

Comment :  
SAMSUNG SINGLE MODE PHONE - CDMA MODE  
CH 1013 Conducted 23.0 dBm  
SAMSUNG SINGLE MODE PHONE - HEAD SAR

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 = -2.000, Z = 0.000 (cm) Value = 22.692

Measured Values (volts) =  
2.122E-002 1.557E-002 1.308E-002 1.102E-002 9.595E-003 8.430E-003  
7.570E-003 6.837E-003 6.345E-003 5.848E-003 5.392E-003 4.909E-003  
4.394E-003 3.775E-003 3.267E-003 2.701E-003 2.282E-003 1.909E-003  
1.756E-003 1.702E-003 1.761E-003

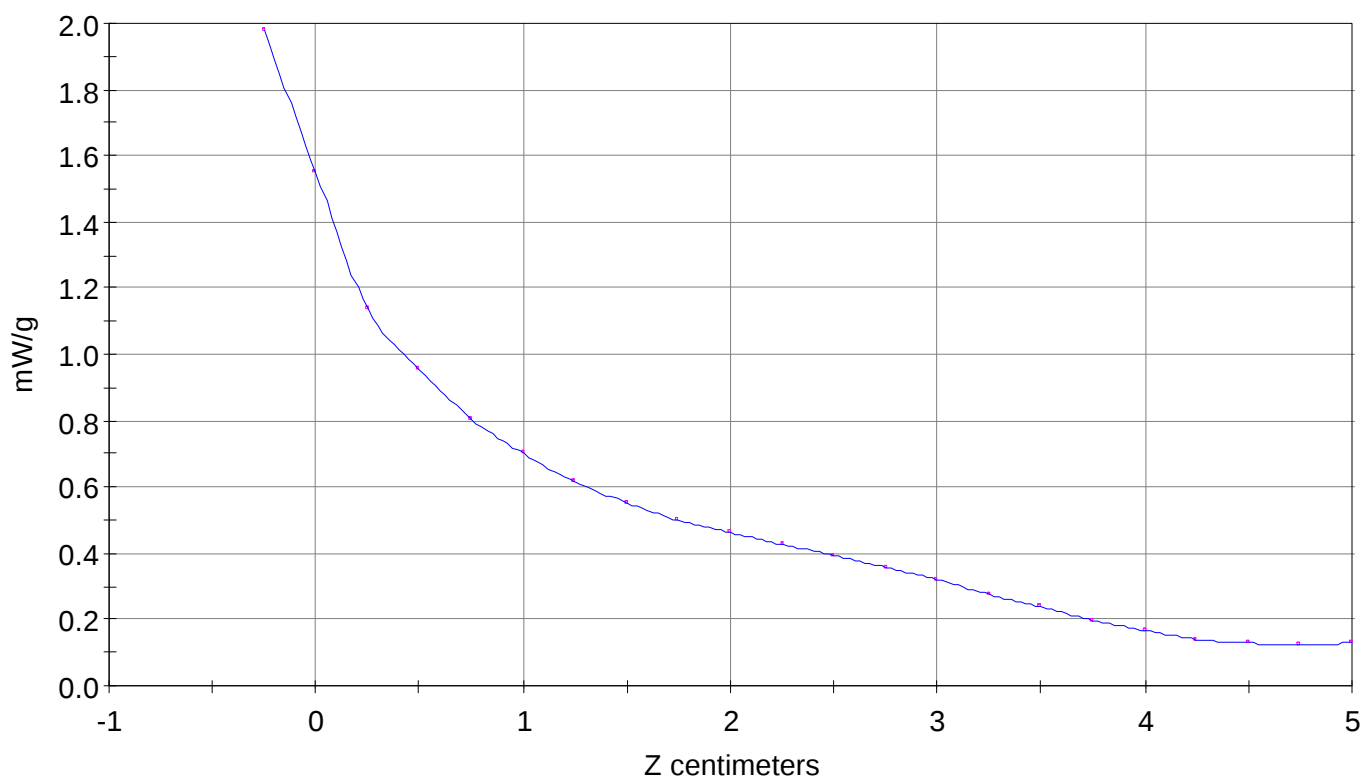
Calc. Voltage @ Surface (Vs) = 0.0271

Voltage @ 1.00 cm (Vt) = 0.0110

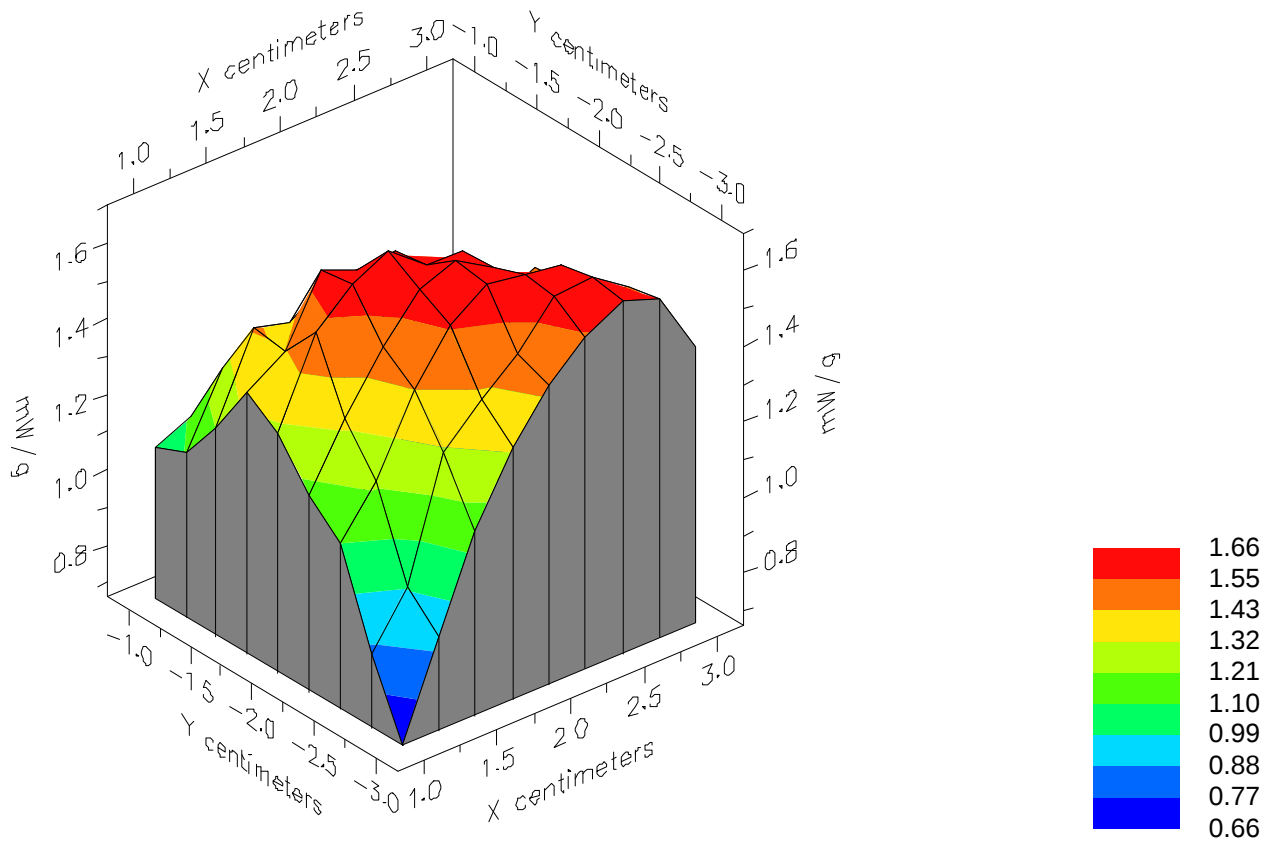
Ave. Voltage (Vs+Vt)/2 = 0.0191

Ave. SAR over 1 g (mW/g) = 1.3905

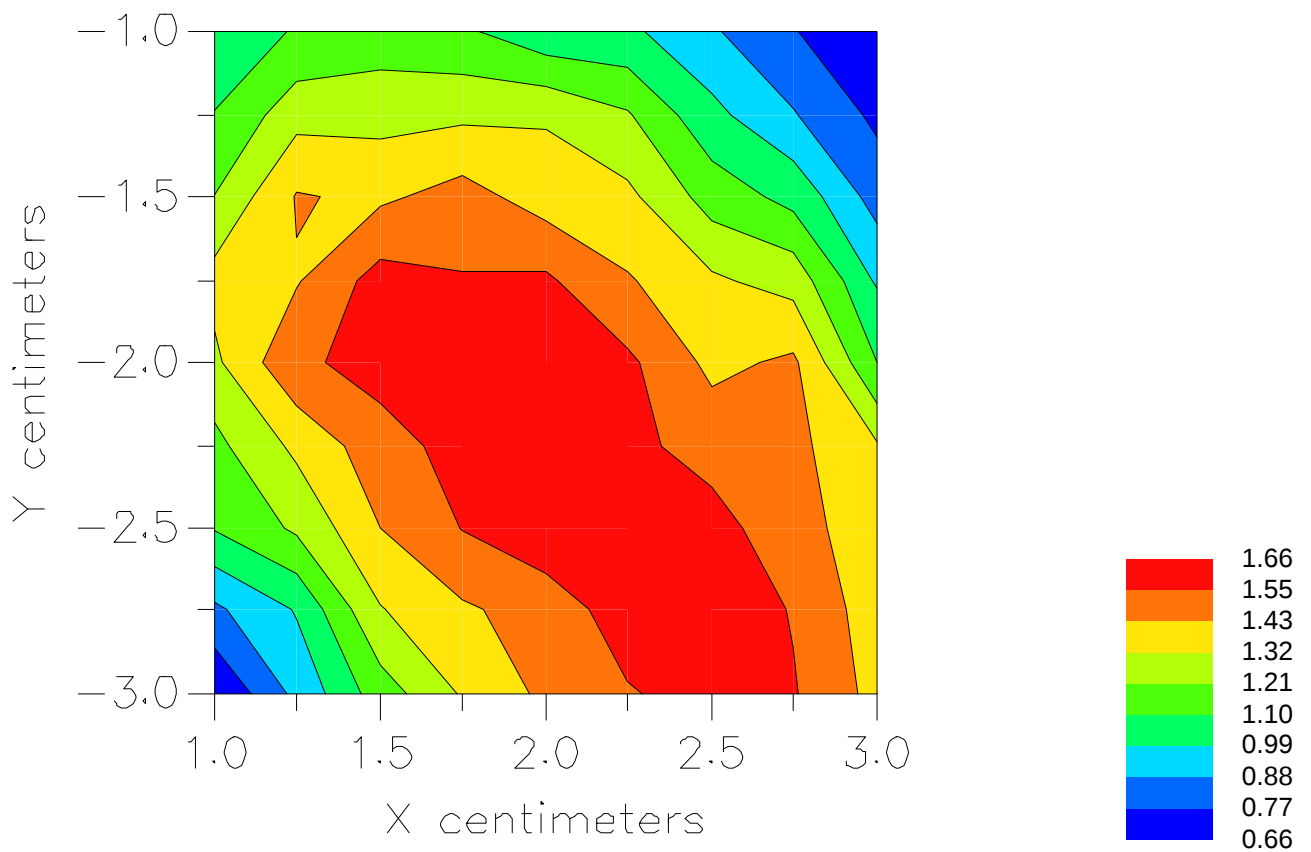
SAR Scan  
File : 01060103\_ZOOM  
Start : 1-Jun-101 11:26:01 am End : 1-Jun-101 11:35:13 am  
SAMSUNG/SCH-A301/1;824.70MHz;W;Helical/Out;  
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/41.500/0.900



File : 01060103\_ZOOM  
Start : 1-Jun-101 11:26:01 am End : 1-Jun-101 11:35:13 am  
SAMSUNG/SCH-A301/1;824.70MHz;W;Helical/Out;  
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/41.500/0.900



File : 01060103\_ZOOM  
Start : 1-Jun-101 11:26:01 am End : 1-Jun-101 11:35:13 am  
SAMSUNG/SCH-A301/1;824.70MHz;W;Helical/Out;  
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/41.500/0.900



File : c:/idx3/SYSTEM/SARMEAS3/data/Normal/01060101\_ZOOM.VLT  
Start : 1-Jun-101 10:57:44 am End : 1-Jun-101 11:08:51 am

Radio Type : SAMSUNG  
Model Number : SCH-A301  
Serial Number : 1  
Frequency : 835.89 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 = 41.500  
Mixture Conductivity = 0.900

Comment :  
SAMSUNG SINGLE MODE PHONE - CDMA MODE  
CH 0363 Conducted 23.0 dBm  
SAMSUNG SINGLE MODE PHONE - HEAD SAR

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 = 22.897

Measured Values (volts) =  
2.180E-002 1.631E-002 1.359E-002 1.144E-002 9.963E-003 8.760E-003  
7.856E-003 7.148E-003 6.578E-003 6.002E-003 5.493E-003 4.925E-003  
4.393E-003 3.752E-003 3.186E-003 2.685E-003 2.244E-003 1.924E-003  
1.766E-003 1.701E-003 1.730E-003

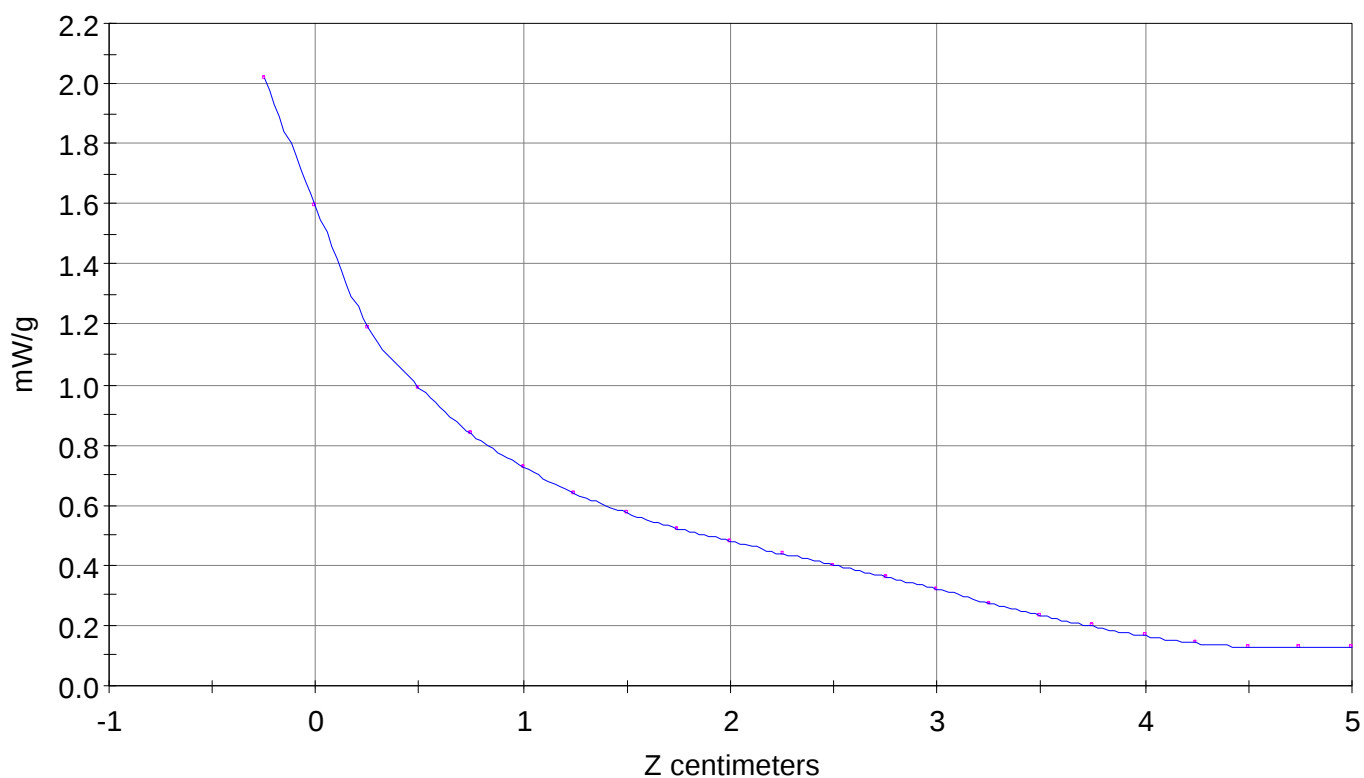
Calc. Voltage @ Surface (Vs) = 0.0277

Voltage @ 1.00 cm (Vt) = 0.0114

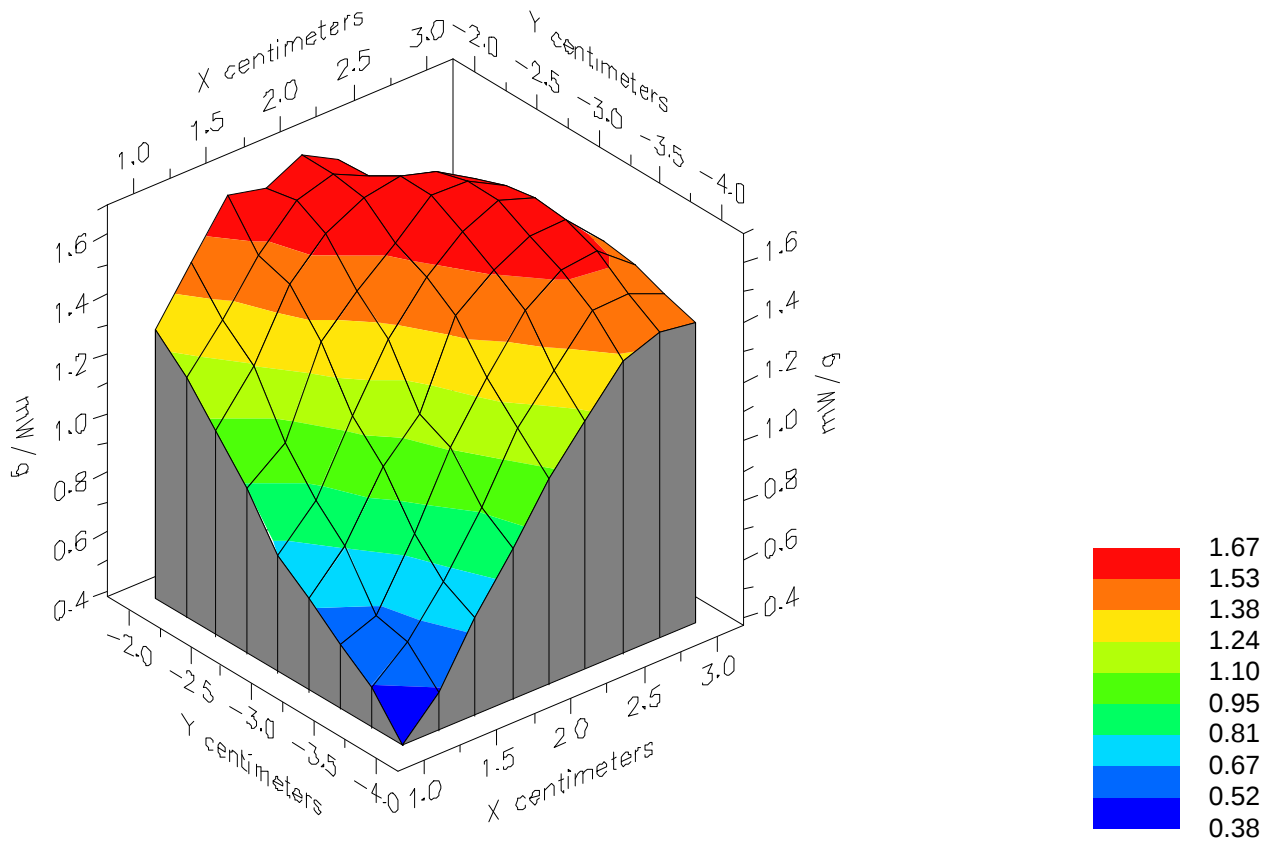
Ave. Voltage (Vs+Vt)/2 = 0.0195

Ave. SAR over 1 g (mW/g) = 1.4264

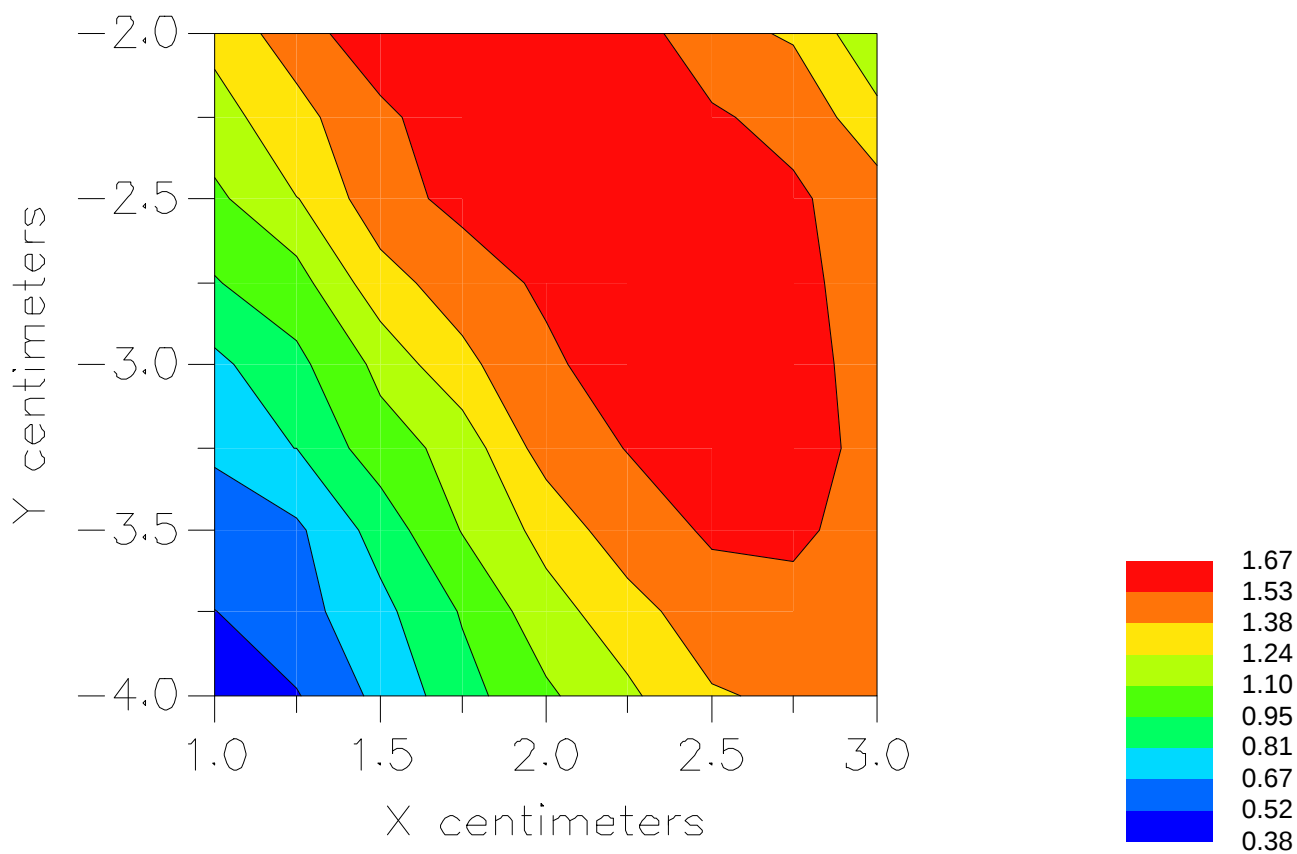
SAR Scan  
File : 01060101\_ZOOM  
Start : 1-Jun-101 10:57:44 am End : 1-Jun-101 11:08:51 am  
SAMSUNG/SCH-A301/1;835.89MHz;W;Helical/In;  
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/41.500/0.900



File : 01060101\_ZOOM  
Start : 1-Jun-101 10:57:44 am End : 1-Jun-101 11:08:51 am  
SAMSUNG/SCH-A301/1;835.89MHz;W;Helical/In;  
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/41.500/0.900



File : 01060101\_ZOOM  
Start : 1-Jun-101 10:57:44 am End : 1-Jun-101 11:08:51 am  
SAMSUNG/SCH-A301/1;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/01060102\_ZOOM.VLT  
Start : 1-Jun-101 11:12:46 am End : 1-Jun-101 11:24:14 am

Radio Type : SAMSUNG  
Model Number : SCH-A301  
Serial Number : 1  
Frequency : 835.89 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 = 41.500  
Mixture Conductivity = 0.900

Comment :  
SAMSUNG SINGLE MODE PHONE - CDMA MODE  
CH 0363 Conducted 23.0 dBm  
SAMSUNG SINGLE MODE PHONE - HEAD SAR

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 = -2.000, Z = 0.000 (cm) Value = 23.270

Measured Values (volts) =  
2.251E-002 1.672E-002 1.379E-002 1.166E-002 1.008E-002 8.716E-003  
7.768E-003 7.045E-003 6.485E-003 5.971E-003 5.527E-003 5.073E-003  
4.508E-003 3.934E-003 3.370E-003 2.810E-003 2.346E-003 1.960E-003  
1.742E-003 1.693E-003 1.715E-003

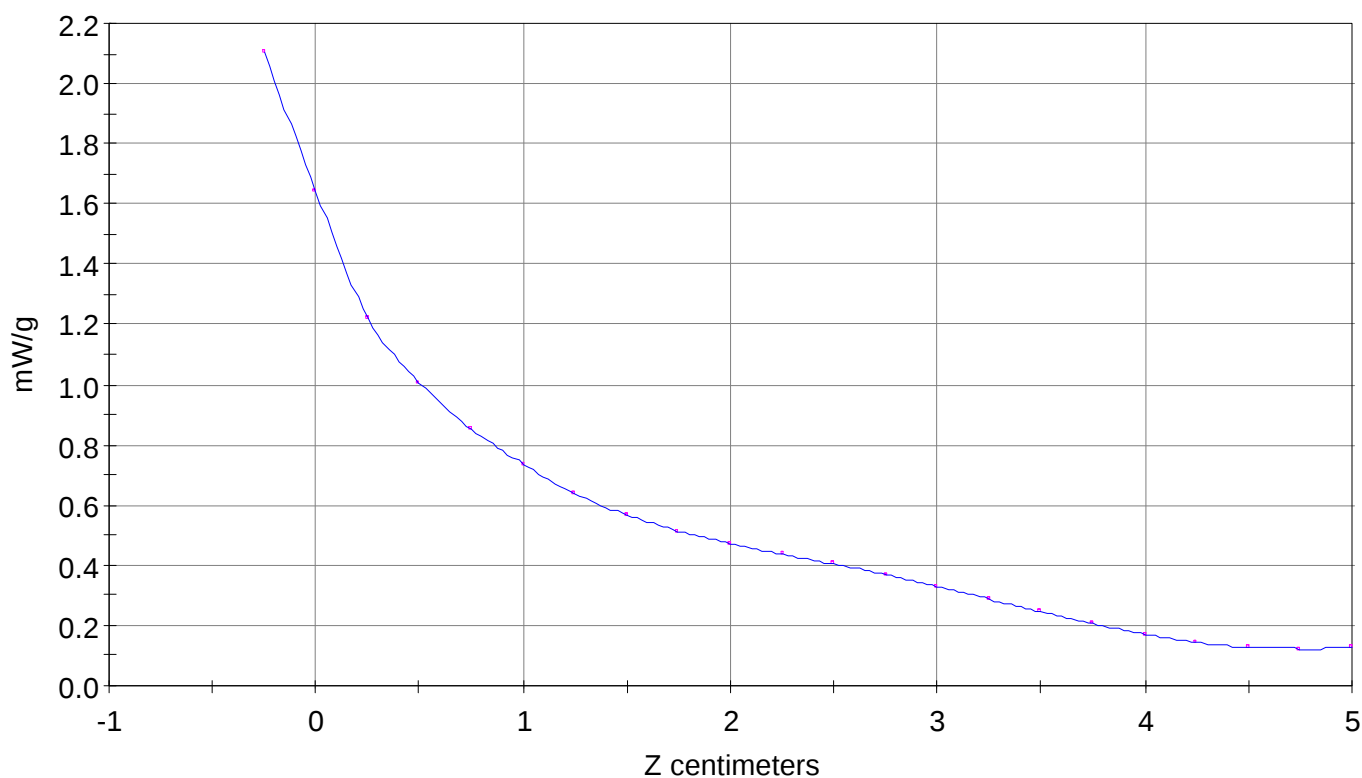
Calc. Voltage @ Surface (Vs) = 0.0288

Voltage @ 1.00 cm (Vt) = 0.0117

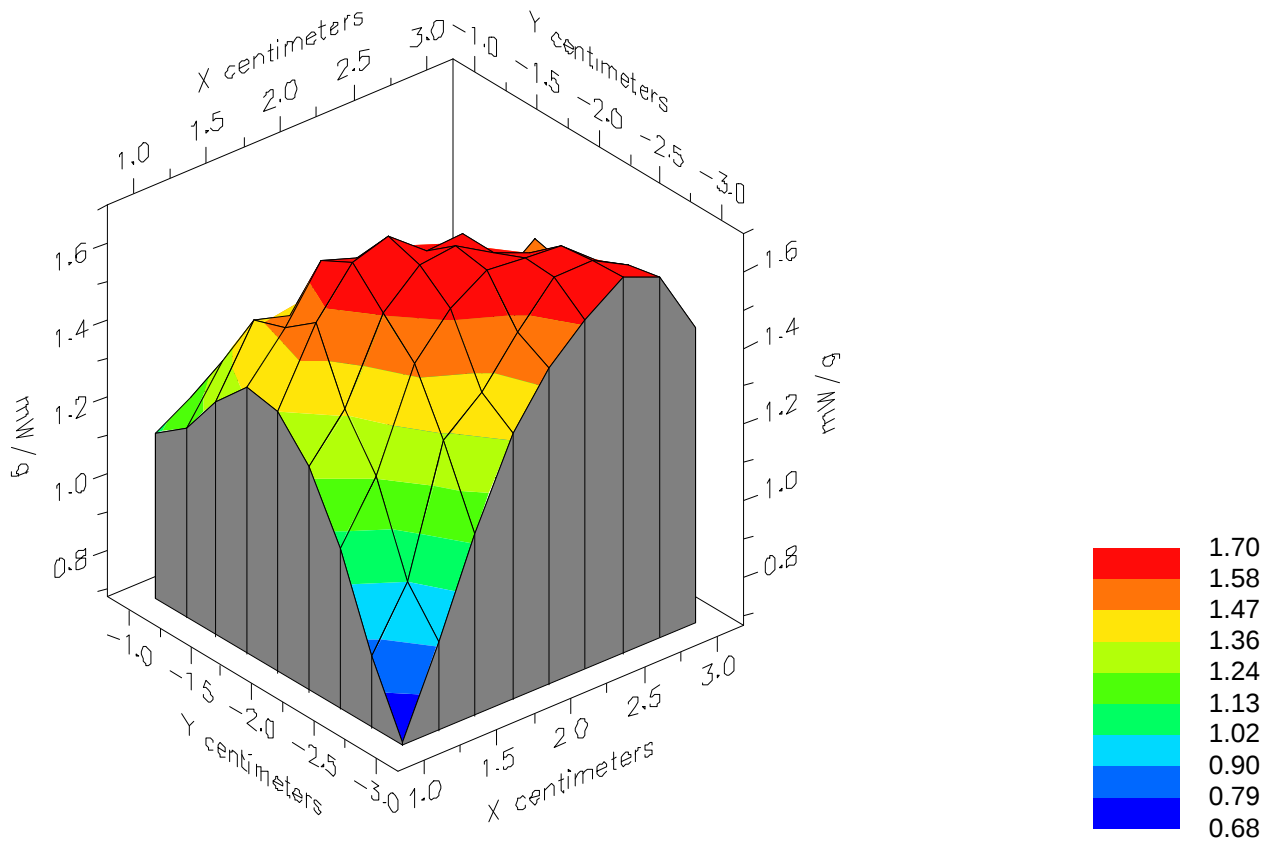
Ave. Voltage (Vs+Vt)/2 = 0.0202

Ave. SAR over 1 g (mW/g) = 1.4762

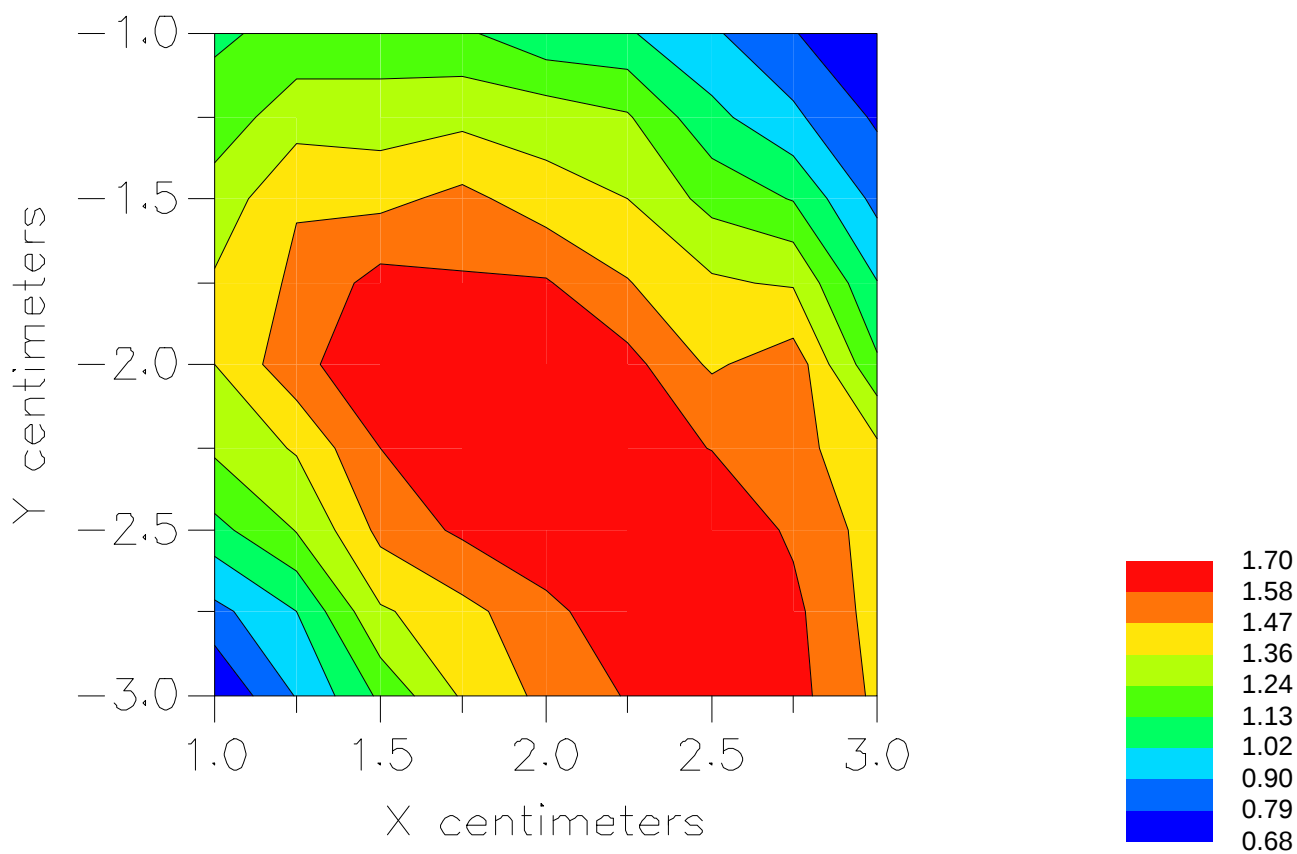
SAR Scan  
File : 01060102\_ZOOM  
Start : 1-Jun-101 11:12:46 am End : 1-Jun-101 11:24:14 am  
SAMSUNG/SCH-A301/1;835.89MHz;W;Helical/Out;  
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/41.500/0.900



File : 01060102\_ZOOM  
Start : 1-Jun-101 11:12:46 am End : 1-Jun-101 11:24:14 am  
SAMSUNG/SCH-A301/1;835.89MHz;W;Helical/Out;  
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/41.500/0.900



File : 01060102\_ZOOM  
Start : 1-Jun-101 11:12:46 am End : 1-Jun-101 11:24:14 am  
SAMSUNG/SCH-A301/1;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/01060107\_ZOOM.VLT  
Start : 1-Jun-101 02:30:11 pm End : 1-Jun-101 02:39:25 pm

Radio Type : SAMSUNG  
Model Number : SCH-A301  
Serial Number : 1  
Frequency : 848.31 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 = 41.500  
Mixture Conductivity = 0.900

Comment :  
SAMSUNG SINGLE MODE PHONE - CDMA MODE  
CH 0777 Conducted 23.0 dBm  
SAMSUNG SINGLE MODE PHONE - HEAD SAR

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 = -2.250, Z = 0.000 (cm) Value = 21.664

Measured Values (volts) =  
2.142E-002 1.681E-002 1.388E-002 1.148E-002 9.987E-003 8.662E-003  
7.762E-003 6.947E-003 6.360E-003 5.797E-003 5.330E-003 4.803E-003  
4.325E-003 3.747E-003 3.195E-003 2.644E-003 2.200E-003 1.830E-003  
1.641E-003 1.570E-003 1.574E-003

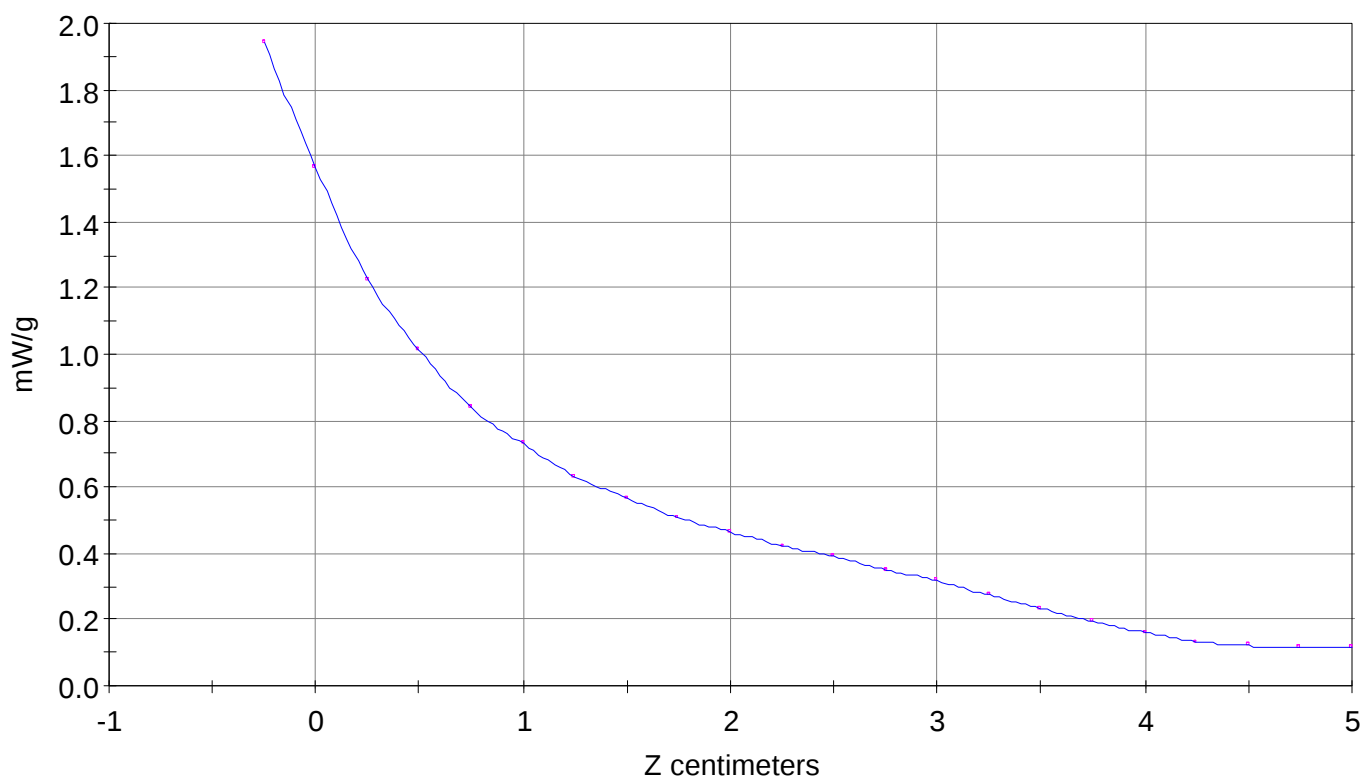
Calc. Voltage @ Surface (Vs) = 0.0266

Voltage @ 1.00 cm (Vt) = 0.0115

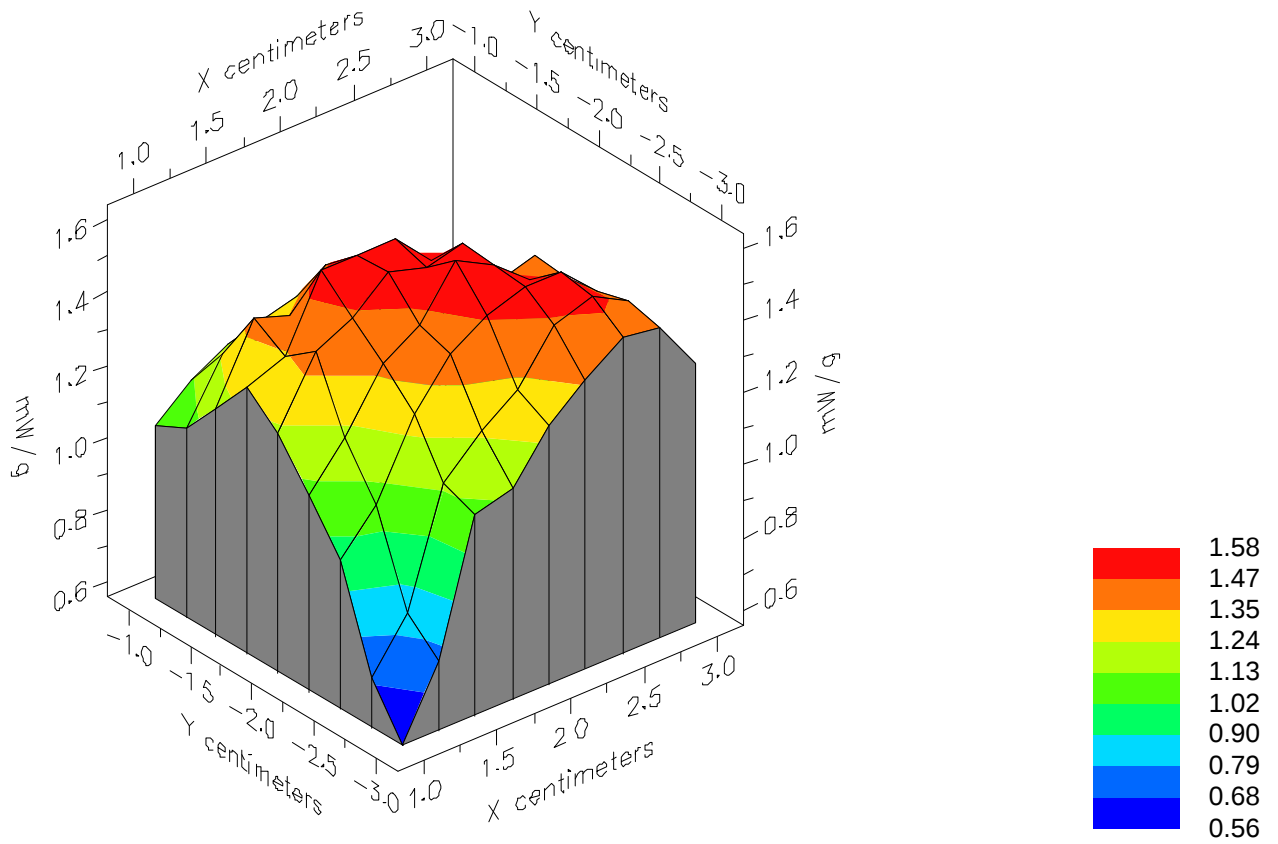
Ave. Voltage (Vs+Vt)/2 = 0.0191

Ave. SAR over 1 g (mW/g) = 1.3900

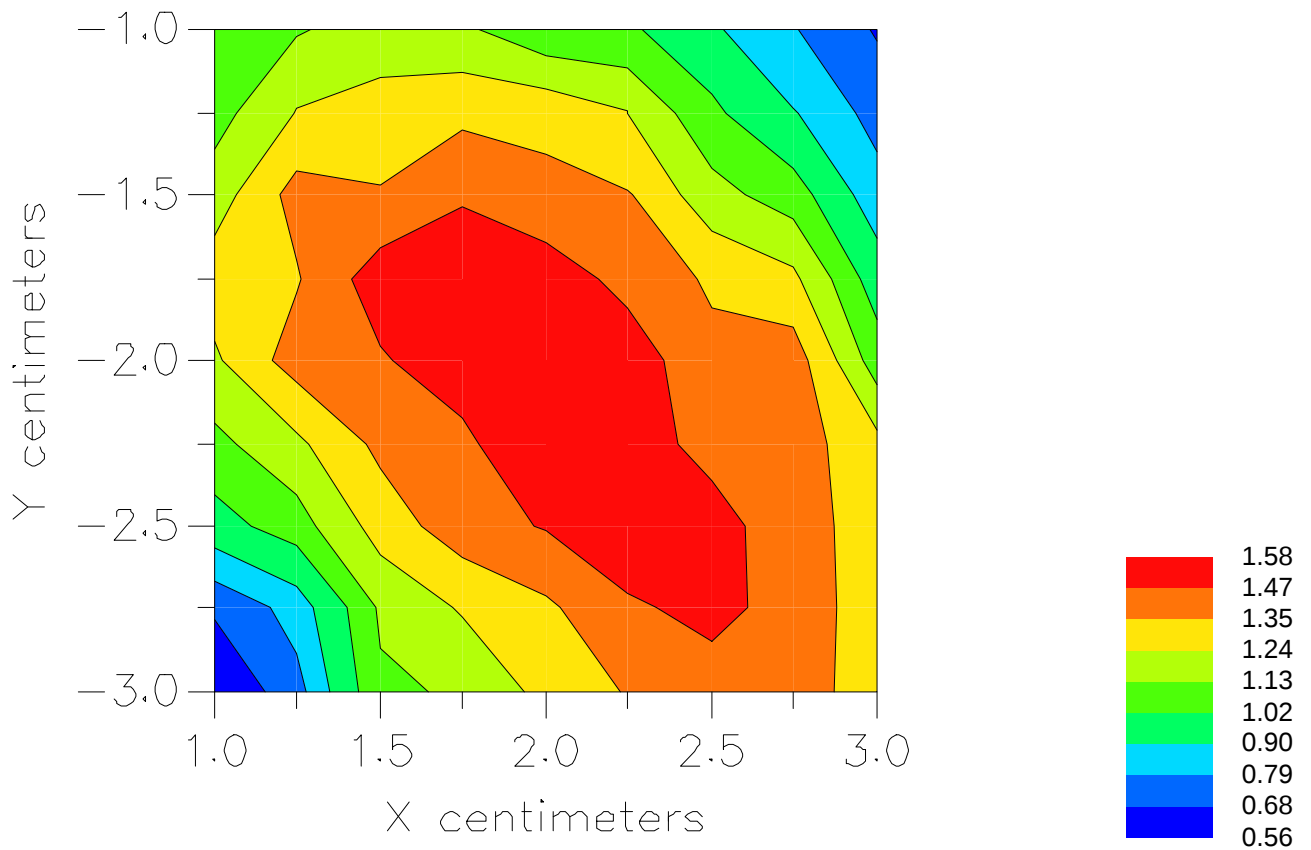
SAR Scan  
File : 01060107\_ZOOM  
Start : 1-Jun-101 02:30:11 pm End : 1-Jun-101 02:39:25 pm  
SAMSUNG/SCH-A301/1;848.31MHz;W;Helical/In;  
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/41.500/0.900



File : 01060107\_ZOOM  
Start : 1-Jun-101 02:30:11 pm End : 1-Jun-101 02:39:25 pm  
SAMSUNG/SCH-A301/1;848.31MHz;W;Helical/In;  
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/41.500/0.900



File : 01060107\_ZOOM  
Start : 1-Jun-101 02:30:11 pm End : 1-Jun-101 02:39:25 pm  
SAMSUNG/SCH-A301/1;848.31MHz;W;Helical/In;  
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/41.500/0.900



File : c:/idx3/SYSTEM/SARMEAS3/data/Normal/01060108\_ZOOM.VLT  
Start : 1-Jun-101 02:40:31 pm End : 1-Jun-101 02:49:45 pm

Radio Type : SAMSUNG  
Model Number : SCH-A301  
Serial Number : 1  
Frequency : 848.31 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 = 41.500  
Mixture Conductivity = 0.900

Comment :  
SAMSUNG SINGLE MODE PHONE - CDMA MODE  
CH 0777 Conducted 23.0 dBm  
SAMSUNG SINGLE MODE PHONE - HEAD SAR

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 = -2.250, Z = 0.000 (cm) Value = 22.385

Measured Values (volts) =  
2.241E-002 1.742E-002 1.436E-002 1.193E-002 1.044E-002 9.101E-003  
8.100E-003 7.334E-003 6.690E-003 6.111E-003 5.565E-003 4.980E-003  
4.418E-003 3.828E-003 3.214E-003 2.692E-003 2.309E-003 1.969E-003  
1.717E-003 1.703E-003 1.699E-003

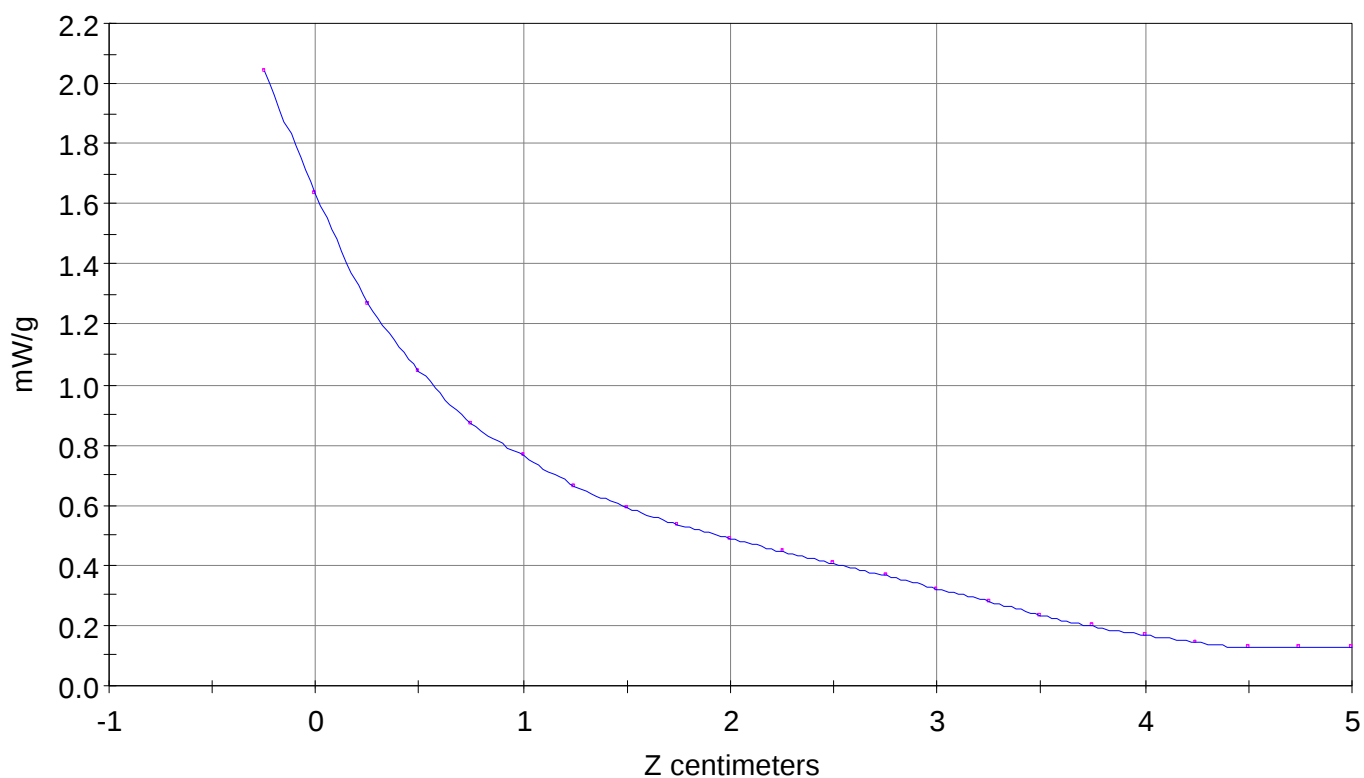
Calc. Voltage @ Surface (Vs) = 0.0280

Voltage @ 1.00 cm (Vt) = 0.0119

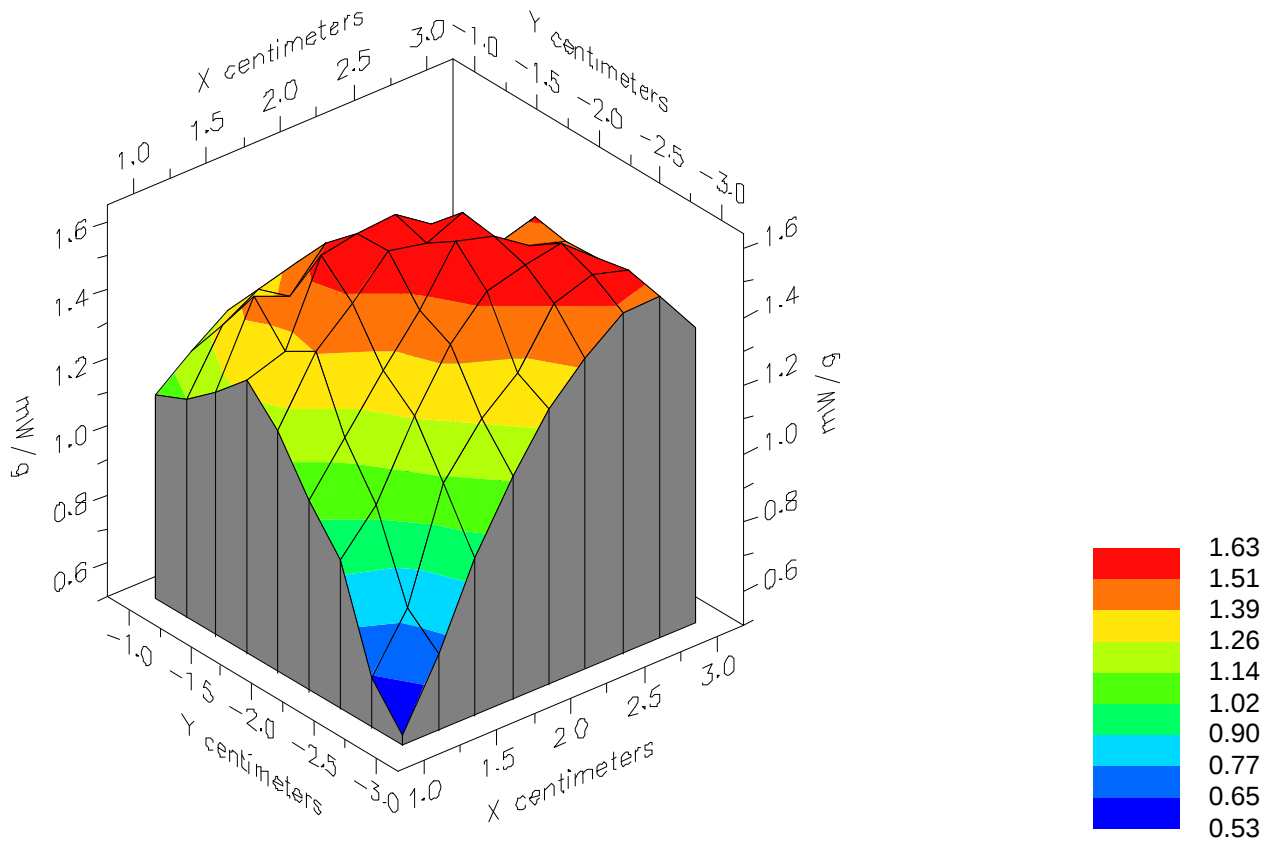
Ave. Voltage (Vs+Vt)/2 = 0.0200

Ave. SAR over 1 g (mW/g) = 1.4570

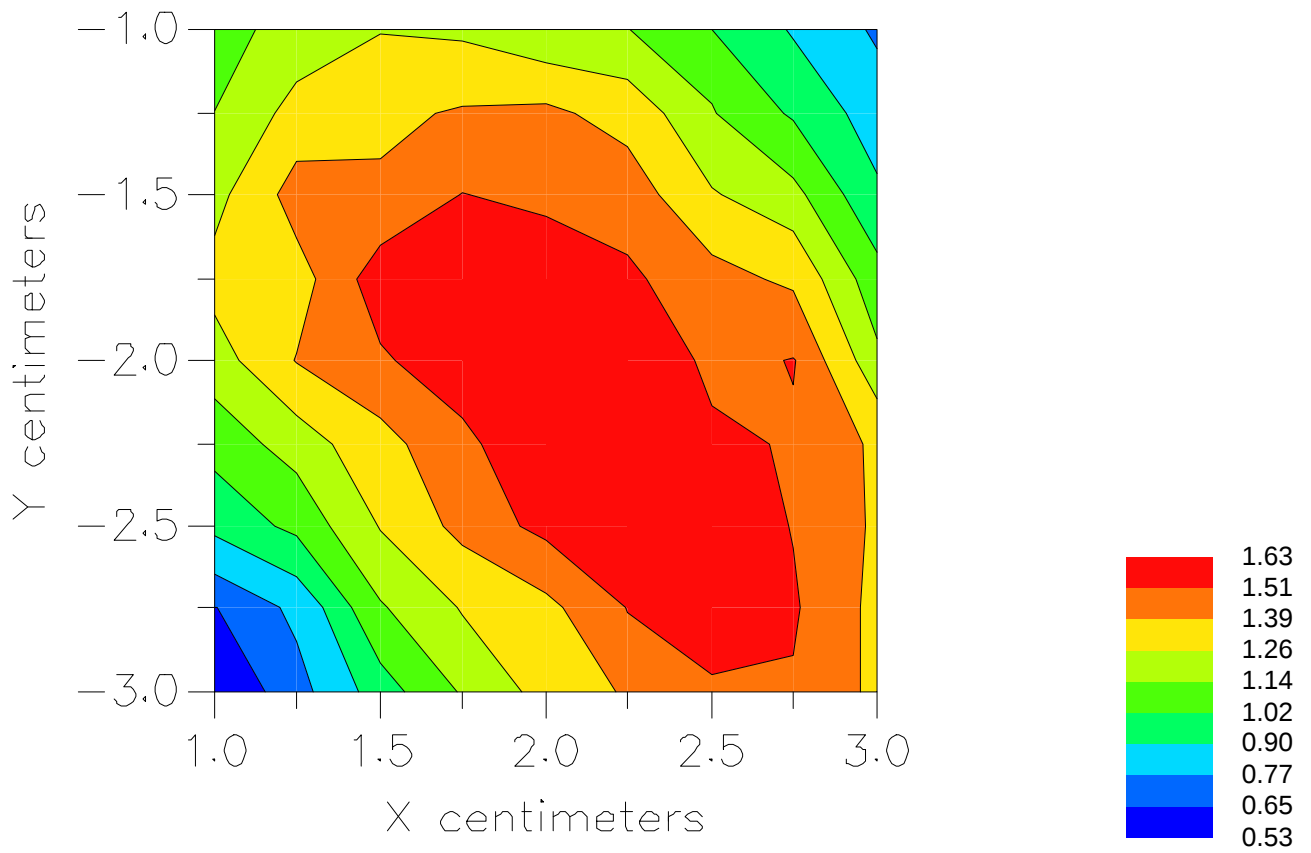
SAR Scan  
File : 01060108\_ZOOM  
Start : 1-Jun-101 02:40:31 pm End : 1-Jun-101 02:49:45 pm  
SAMSUNG/SCH-A301/1;848.31MHz;W;Helical/Out;  
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/41.500/0.900



File : 01060108\_ZOOM  
Start : 1-Jun-101 02:40:31 pm End : 1-Jun-101 02:49:45 pm  
SAMSUNG/SCH-A301/1;848.31MHz;W;Helical/Out;  
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/41.500/0.900



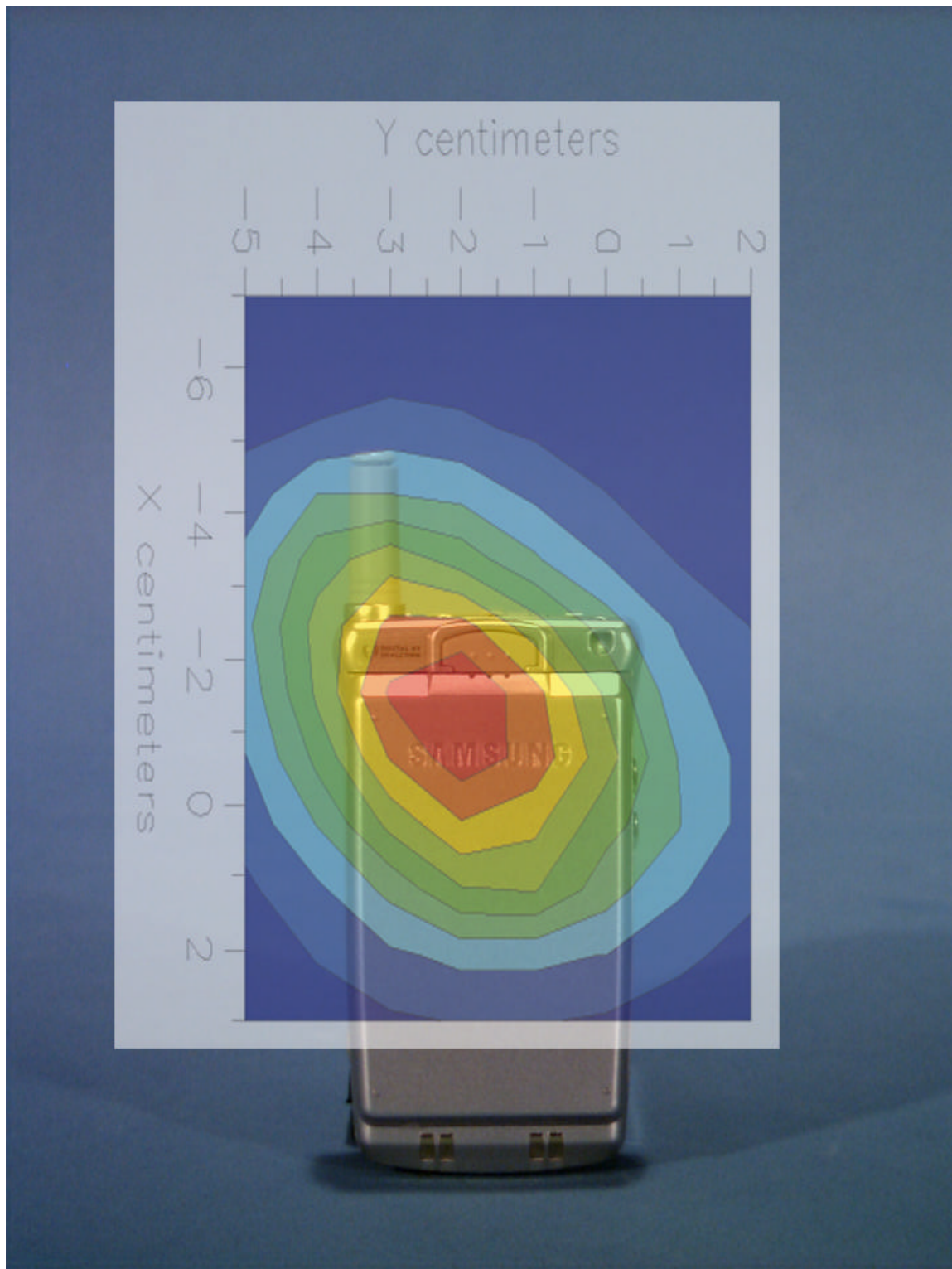
File : 01060108\_ZOOM  
Start : 1-Jun-101 02:40:31 pm End : 1-Jun-101 02:49:45 pm  
SAMSUNG/SCH-A301/1;848.31MHz;W;Helical/Out;  
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/41.500/0.900



## Peak SAR Location

---

### Body SAR



File : c:/idx3/SYSTEM/SARMEAS3/data/Normal/01060407\_ZOOM.VLT  
Start : 4-Jun-101 11:32:37 am End : 4-Jun-101 11:43:24 am

Radio Type : SAMSUNG  
Model Number : SCH-A301  
Serial Number : 1  
Frequency : 824.70 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 = 51.700  
Mixture Conductivity = 1.100

Comment :  
SAMSUNG SINGLE MODE PHONE - CDMA MODE  
CH 1013 Conducted 23.0 dBm  
SAMSUNG SINGLE 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 = -2.750, Z = 0.000 (cm) Value = 8.786

Measured Values (volts) =  
8.439E-003 6.624E-003 5.240E-003 4.311E-003 3.703E-003 3.288E-003  
2.991E-003 2.690E-003 2.317E-003 1.940E-003 1.439E-003 9.921E-004  
6.220E-004 4.389E-004 3.499E-004 4.544E-004 6.040E-004 7.624E-004  
7.890E-004 5.656E-004 2.808E-004

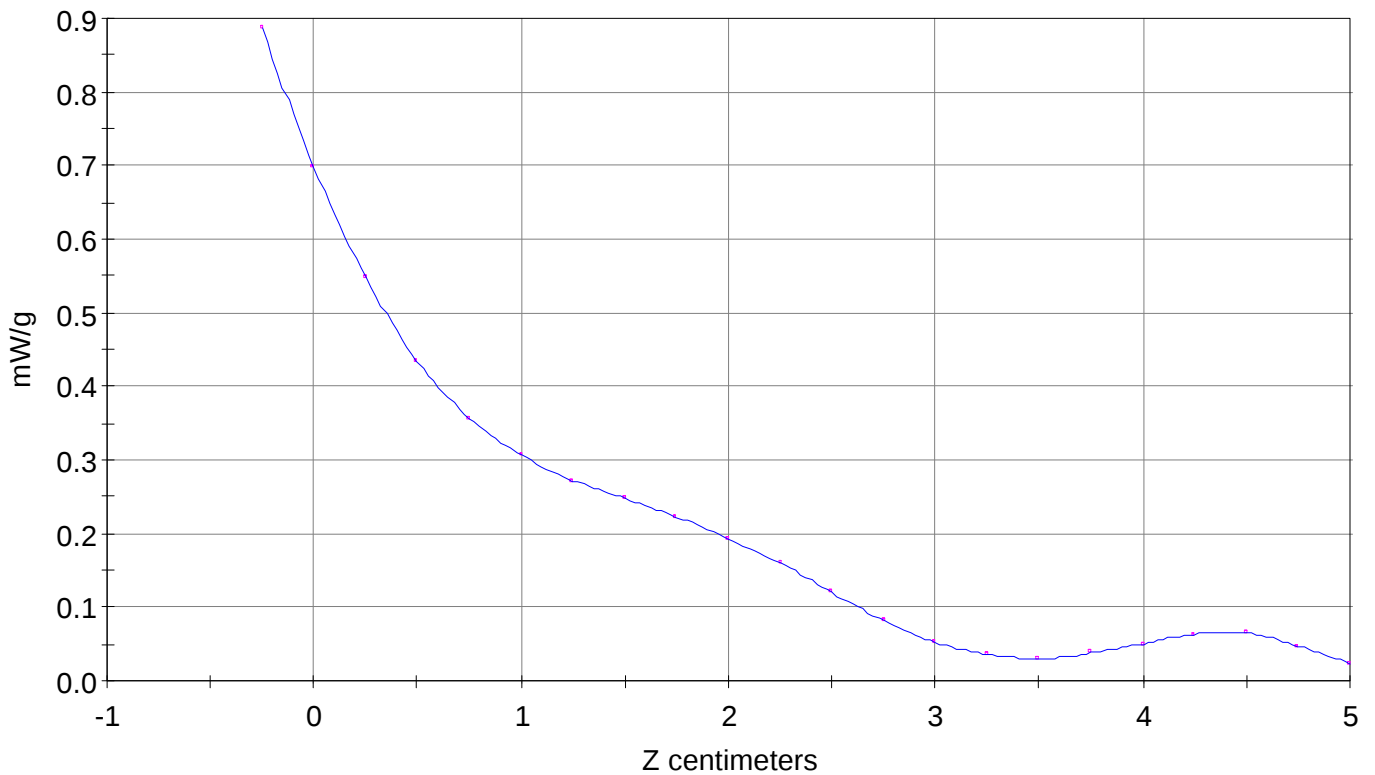
Calc. Voltage @ Surface (Vs) = 0.0107

Voltage @ 1.00 cm (Vt) = 0.0043

Ave. Voltage (Vs+Vt)/2 = 0.0075

Ave. SAR over 1 g (mW/g) = 0.6217

SAR Scan  
File : 01060407\_ZOOM  
Start : 4-Jun-10 11:32:37 am End : 4-Jun-10 11:43:24 am  
SAMSUNG/SCH-A301/1;824.70MHz;W;Helical/In;  
Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 Degrees Muscle/51.700/1.100

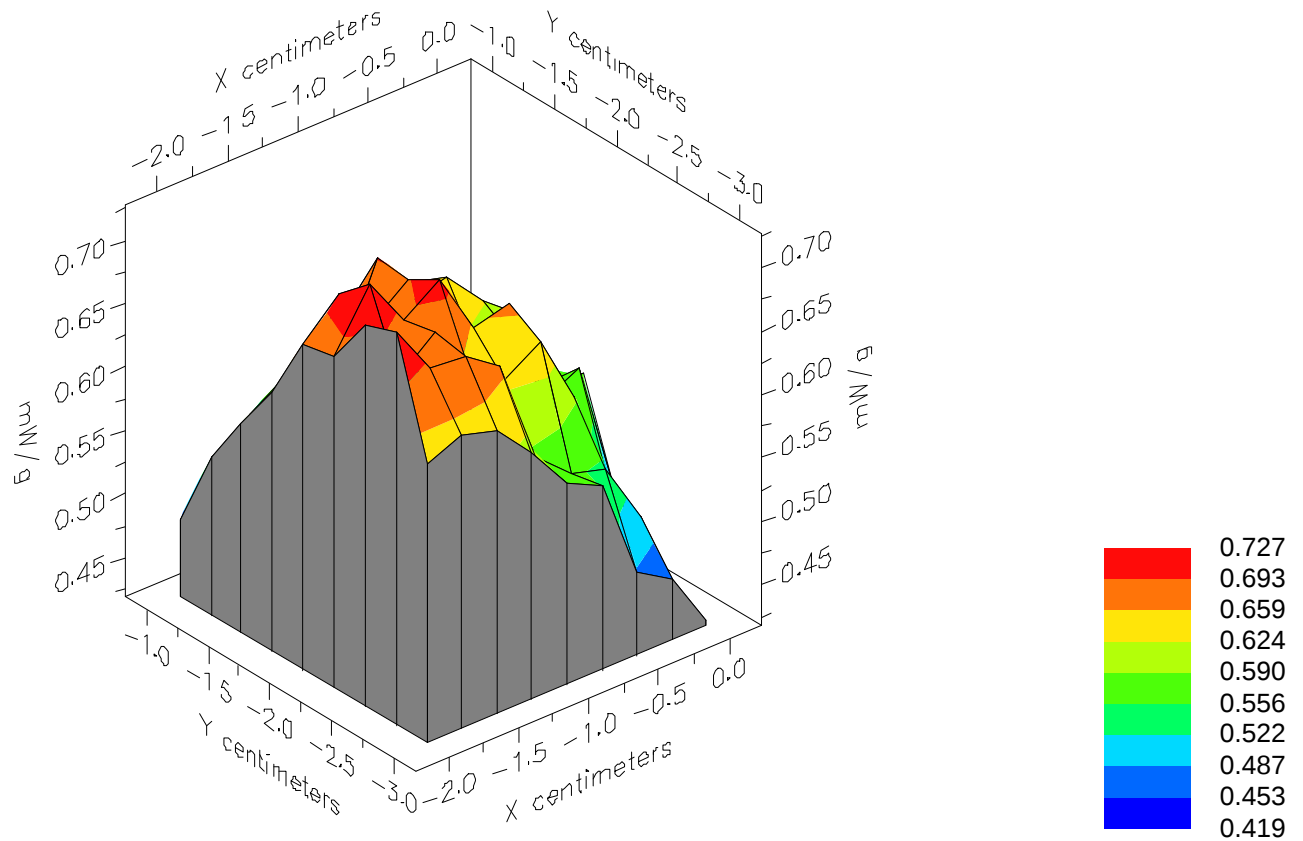


File : 01060407\_ZOOM

Start : 4-Jun-101 11:32:37 am End : 4-Jun-101 11:43:24 am

SAMSUNG/SCH-A301/1;824.70MHz;W;Helical/In;

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

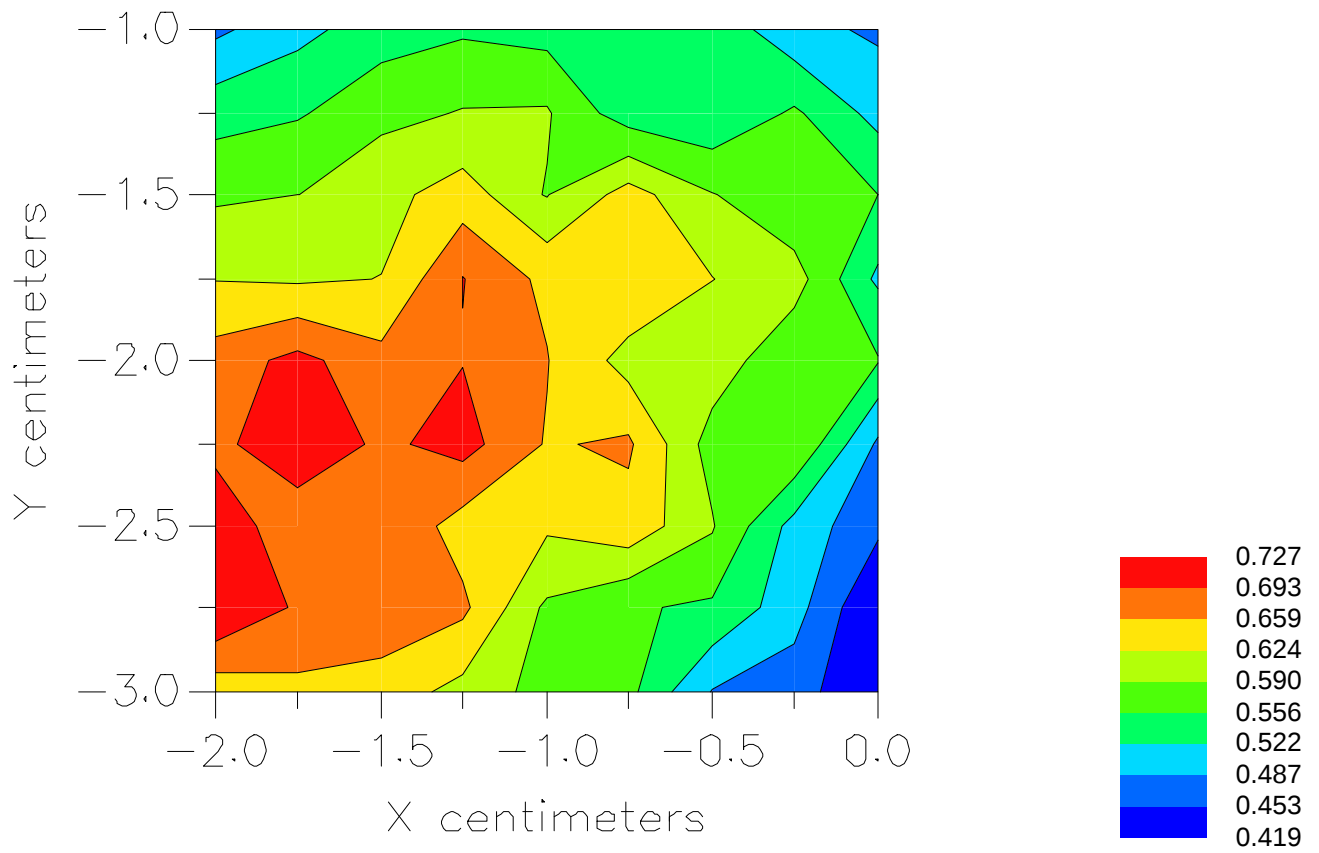


File : 01060407\_ZOOM

Start : 4-Jun-101 11:32:37 am End : 4-Jun-101 11:43:24 am

SAMSUNG/SCH-A301/1;824.70MHz;W;Helical/In;

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



File : c:/idx3/SYSTEM/SARMEAS3/data/Normal/01060405\_ZOOM.VLT  
Start : 4-Jun-101 10:55:45 am End : 4-Jun-101 11:06:06 am

Radio Type : SAMSUNG  
Model Number : SCH-A301  
Serial Number : 1  
Frequency : 824.70 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 = 51.700  
Mixture Conductivity = 1.100

Comment :  
SAMSUNG SINGLE MODE PHONE - CDMA MODE  
CH 1013 Conducted 23.0 dBm  
SAMSUNG SINGLE 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 = 9.166

Measured Values (volts) =  
8.423E-003 6.799E-003 5.488E-003 4.628E-003 3.947E-003 3.540E-003  
3.255E-003 2.974E-003 2.630E-003 2.188E-003 1.686E-003 1.182E-003  
7.854E-004 5.104E-004 4.238E-004 4.633E-004 6.393E-004 8.536E-004  
8.914E-004 7.266E-004 4.128E-004

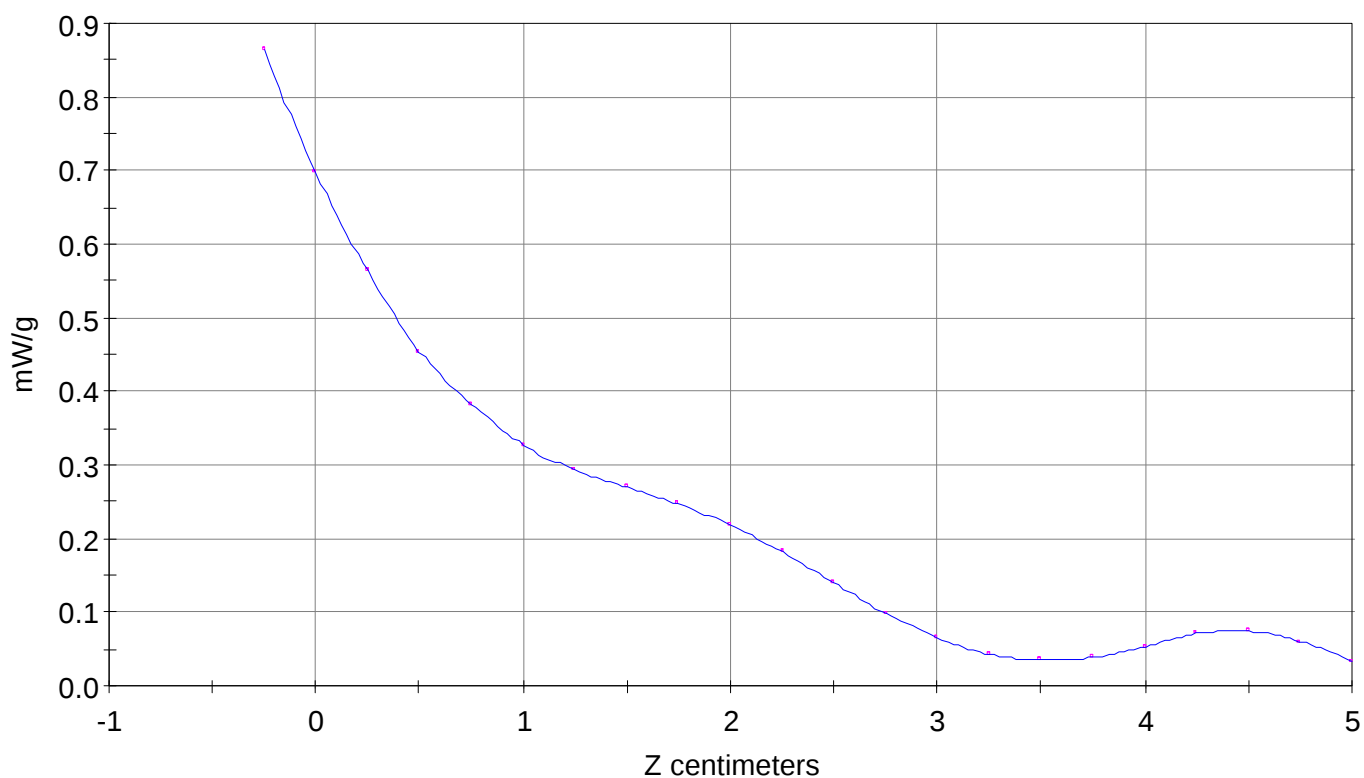
Calc. Voltage @ Surface (Vs) = 0.0104

Voltage @ 1.00 cm (Vt) = 0.0046

Ave. Voltage (Vs+Vt)/2 = 0.0075

Ave. SAR over 1 g (mW/g) = 0.6235

SAR Scan  
File : 01060405\_ZOOM  
Start : 4-Jun-101 10:55:45 am End : 4-Jun-101 11:06:06 am  
SAMSUNG/SCH-A301/1;824.70MHz;W;Helical/Out;  
Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 DegreesMuscle/51.700/1.100

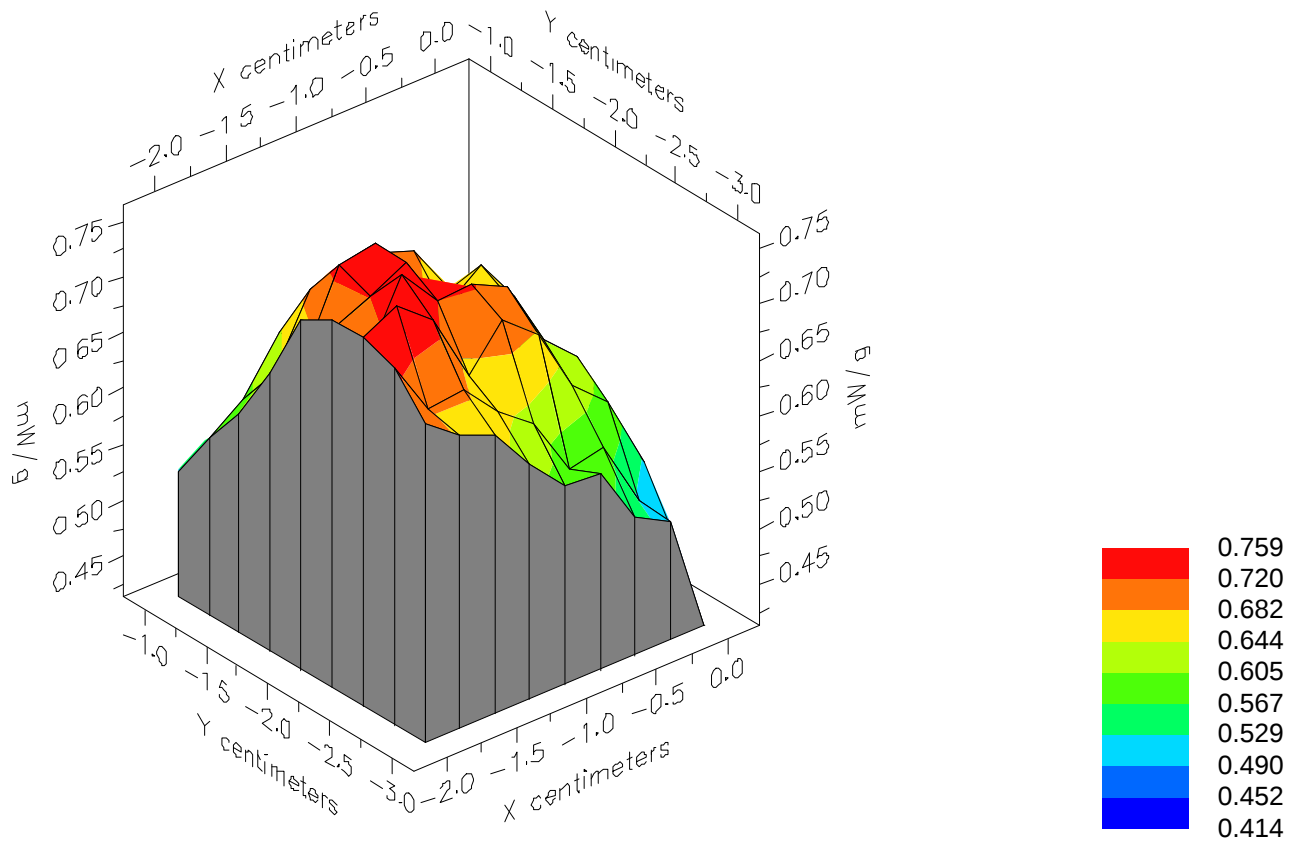


File : 01060405\_ZOOM

Start : 4-Jun-101 10:55:45 am End : 4-Jun-101 11:06:06 am

SAMSUNG/SCH-A301/1;824.70MHz;W;Helical/Out;

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

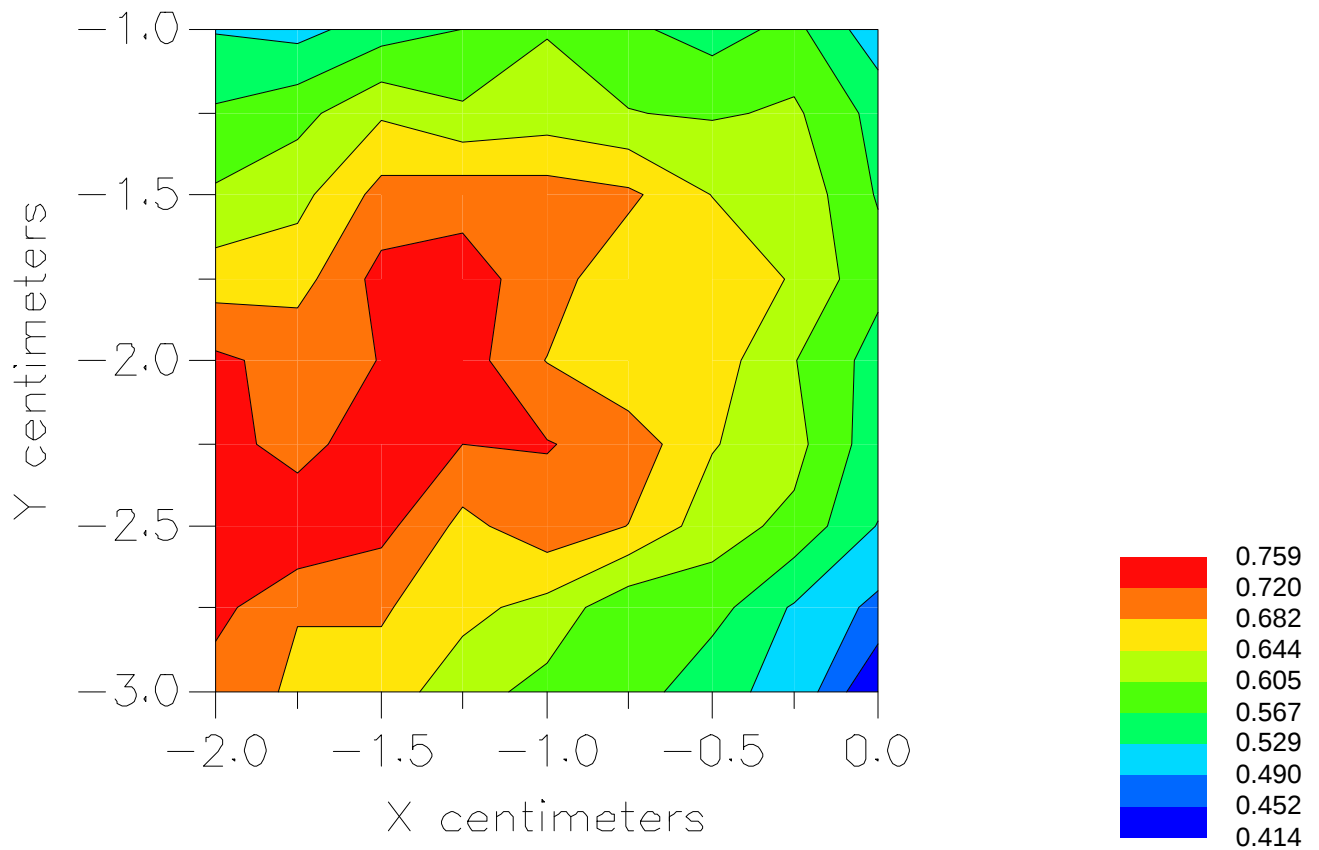


File : 01060405\_ZOOM

Start : 4-Jun-101 10:55:45 am End : 4-Jun-101 11:06:06 am

SAMSUNG/SCH-A301/1;824.70MHz;W;Helical/Out;

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



File : c:/idx3/SYSTEM/SARMEAS3/data/Normal/01060113\_ZOOM.VLT  
Start : 1-Jun-101 05:05:23 pm End : 1-Jun-101 05:12:53 pm

Radio Type : SAMSUNG  
Model Number : SCH-A301  
Serial Number : 1  
Frequency : 835.89 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 = 51.700  
Mixture Conductivity = 1.100

Comment :  
SAMSUNG SINGLE MODE PHONE - CDMA MODE  
CH 0363 Conducted 23.0 dBm  
SAMSUNG SINGLE 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 = -2.500, Z = 0.000 (cm) Value = 10.383

Measured Values (volts) =  
1.015E-002 8.035E-003 6.468E-003 5.531E-003 4.787E-003 4.323E-003  
4.070E-003 3.820E-003 3.506E-003 3.108E-003 2.634E-003 2.030E-003  
1.535E-003 1.153E-003 9.522E-004 9.890E-004 1.158E-003 1.369E-003  
1.524E-003 1.433E-003 1.046E-003

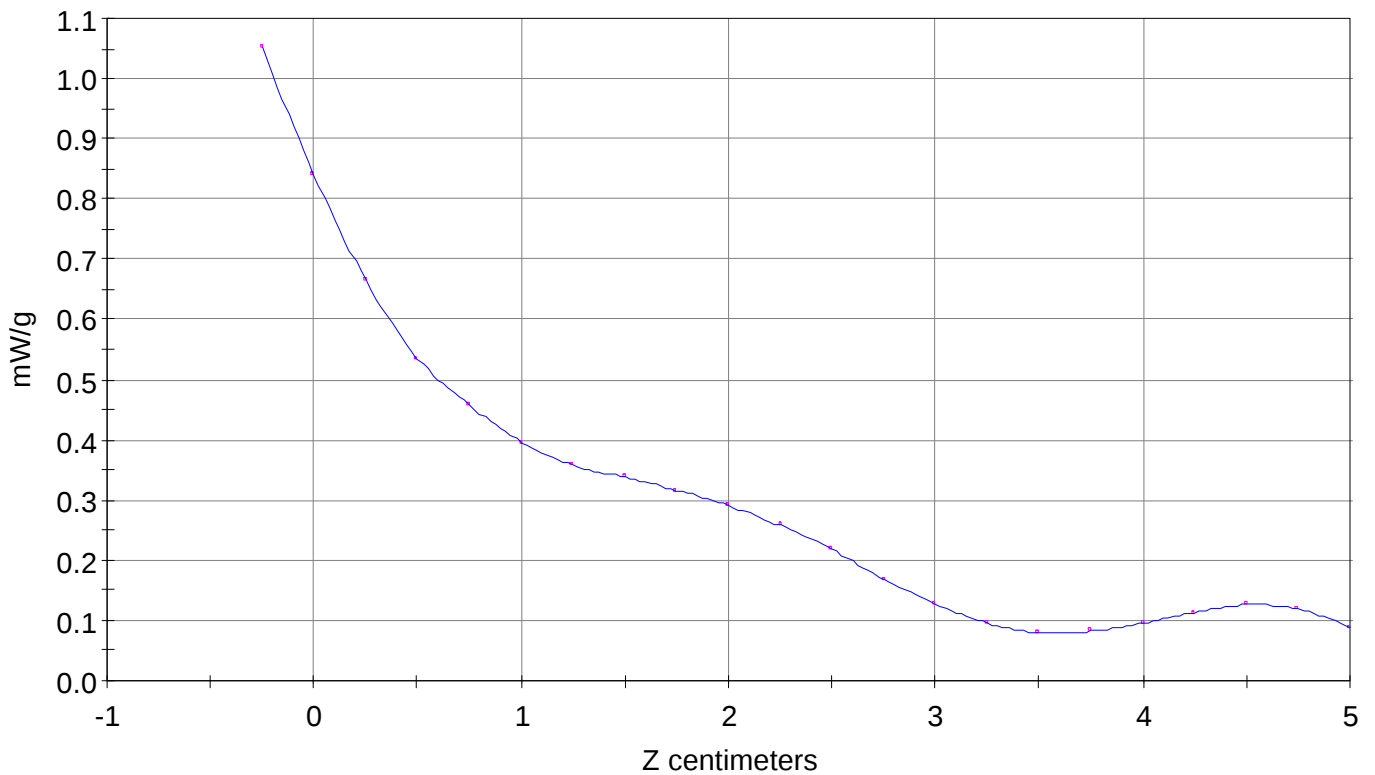
Calc. Voltage @ Surface (Vs) = 0.0127

Voltage @ 1.00 cm (Vt) = 0.0055

Ave. Voltage (Vs+Vt)/2 = 0.0091

Ave. SAR over 1 g (mW/g) = 0.7553

SAR Scan  
File : 01060113\_ZOOM  
Start : 1-Jun-10 05:05:23 pm End : 1-Jun-10 05:12:53 pm  
SAMSUNG/SCH-A301/1;835.89MHz;W;Helical/In;  
Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 Degrees Muscle/51.700/1.100

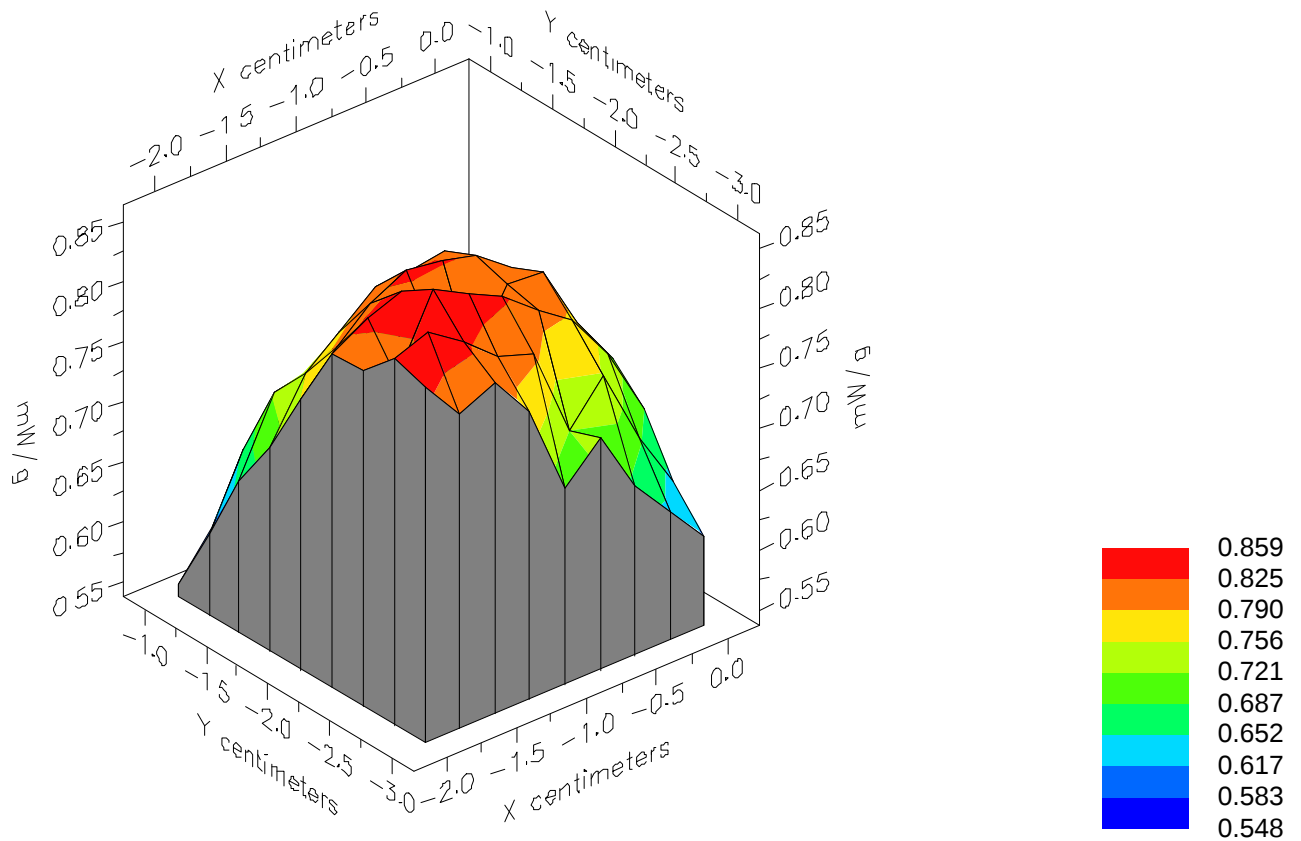


File : 01060113\_ZOOM

Start : 1-Jun-101 05:05:23 pm End : 1-Jun-101 05:12:53 pm

SAMSUNG/SCH-A301/1;835.89MHz;W;Helical/In;

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

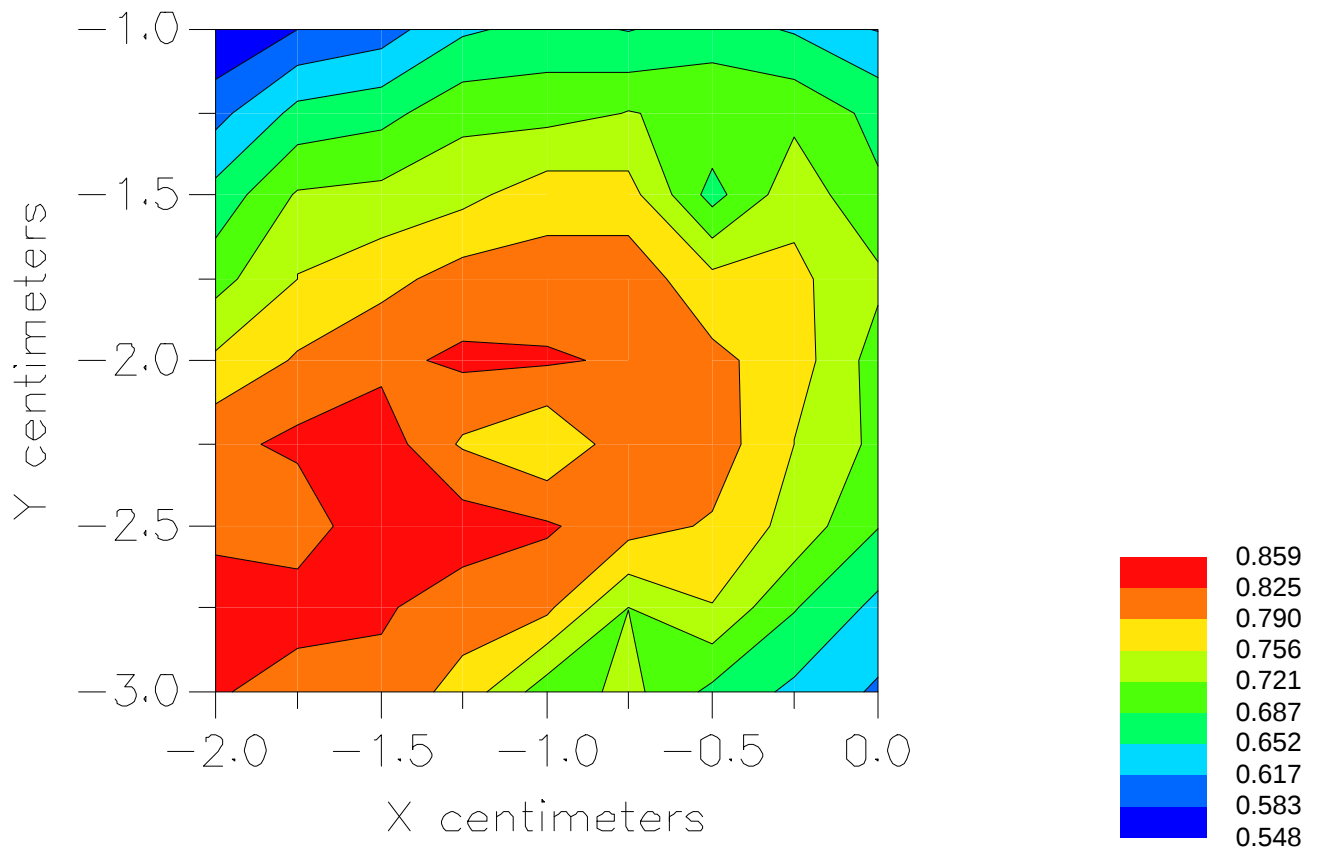


File : 01060113\_ZOOM

Start : 1-Jun-101 05:05:23 pm End : 1-Jun-101 05:12:53 pm

SAMSUNG/SCH-A301/1;835.89MHz;W;Helical/In;

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



File : c:/idx3/SYSTEM/SARMEAS3/data/Normal/01060114\_ZOOM.VLT  
Start : 1-Jun-101 05:17:50 pm End : 1-Jun-101 05:28:48 pm

Radio Type : SAMSUNG  
Model Number : SCH-A301  
Serial Number : 1  
Frequency : 835.89 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 = 51.700  
Mixture Conductivity = 1.100

Comment :  
SAMSUNG SINGLE MODE PHONE - CDMA MODE  
CH 0363 Conducted 23.0 dBm  
SAMSUNG SINGLE 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 = 9.959

Measured Values (volts) =  
9.456E-003 7.824E-003 6.258E-003 5.350E-003 4.692E-003 4.276E-003  
4.060E-003 3.809E-003 3.501E-003 3.036E-003 2.483E-003 1.876E-003  
1.352E-003 1.071E-003 9.494E-004 1.071E-003 1.282E-003 1.514E-003  
1.597E-003 1.377E-003 1.043E-003

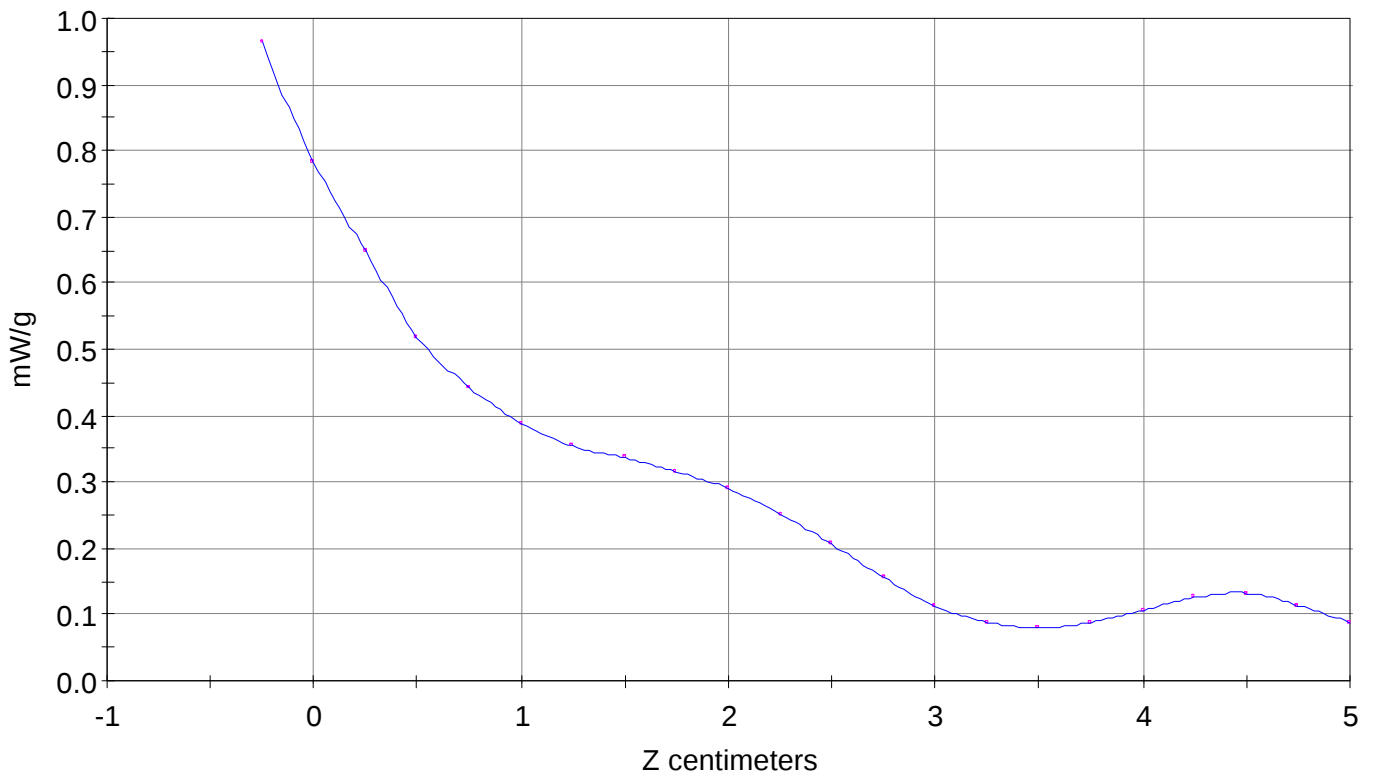
Calc. Voltage @ Surface (Vs) = 0.0116

Voltage @ 1.00 cm (Vt) = 0.0053

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

Ave. SAR over 1 g (mW/g) = 0.7026

SAR Scan  
File : 01060114\_ZOOM  
Start : 1-Jun-10 05:17:50 pm End : 1-Jun-10 05:28:48 pm  
SAMSUNG/SCH-A301/1;835.89MHz;W;Helical/Out;  
Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 Degrees Muscle/51.700/1.100

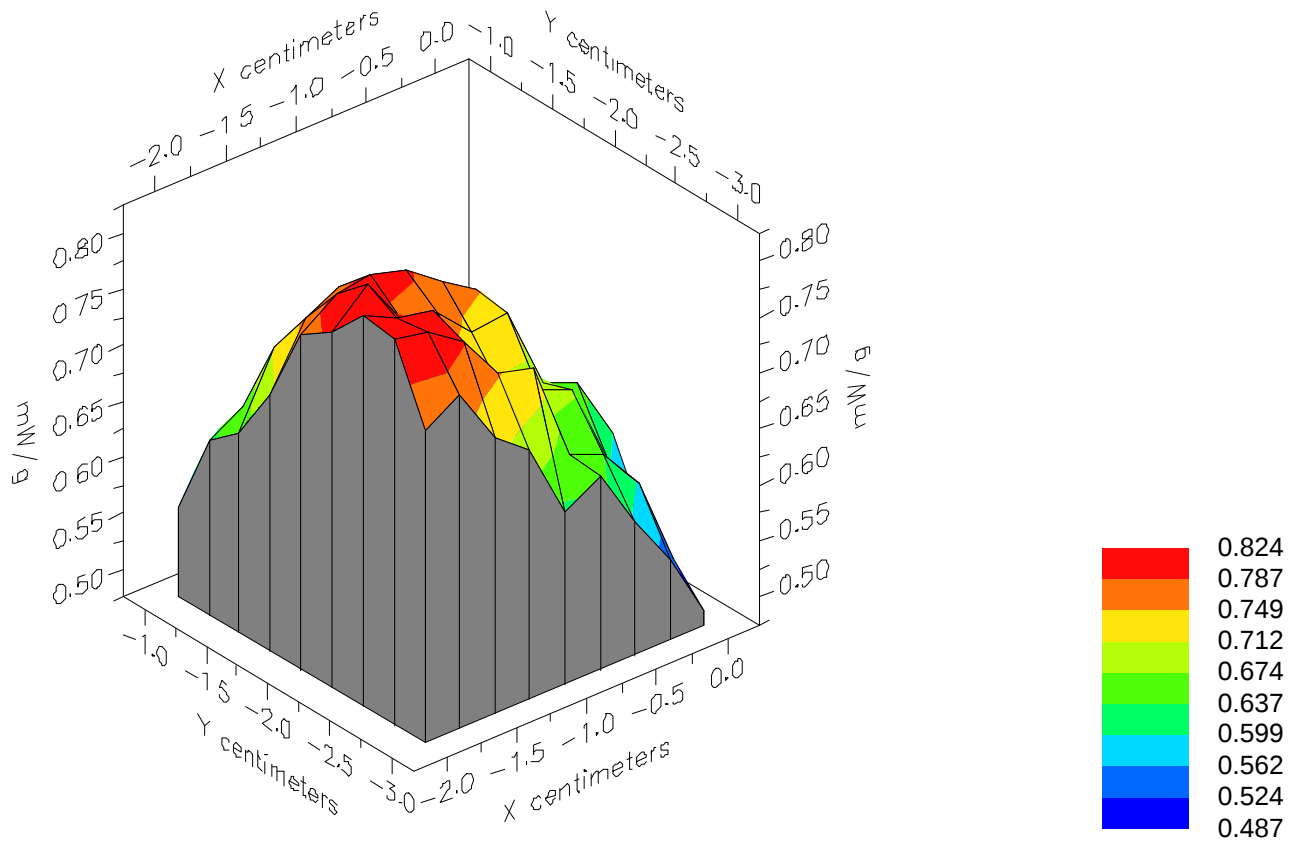


File : 01060114\_ZOOM

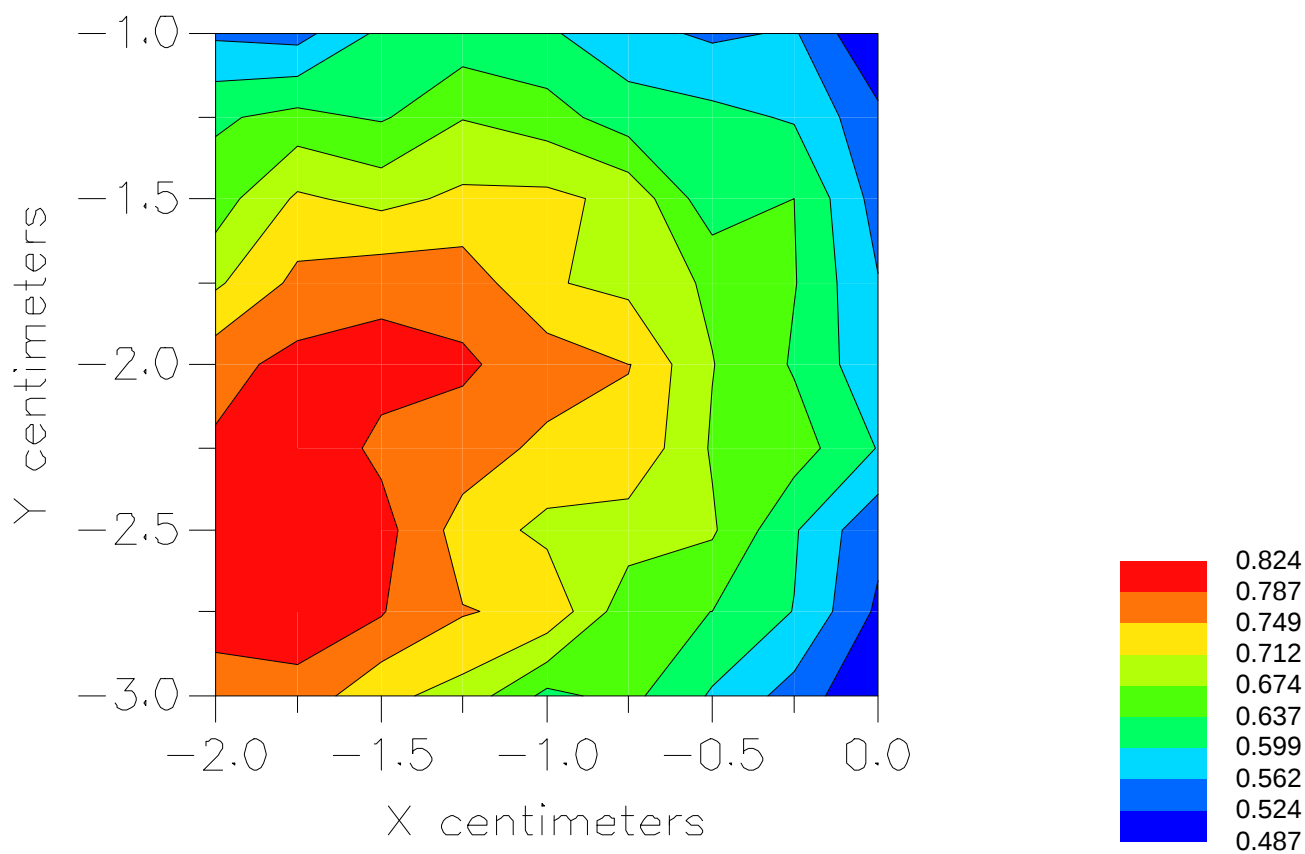
Start : 1-Jun-101 05:17:50 pm End : 1-Jun-101 05:28:48 pm

SAMSUNG/SCH-A301/1;835.89MHz;W;Helical/Out;

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



File : 01060114\_ZOOM  
Start : 1-Jun-101 05:17:50 pm End : 1-Jun-101 05:28:48 pm  
SAMSUNG/SCH-A301/1;835.89MHz;W;Helical/Out;  
Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 DegreesMuscle/51.700/1.100



File : c:/idx3/SYSTEM/SARMEAS3/data/Normal/01060410\_ZOOM.VLT  
Start : 4-Jun-101 12:15:42 pm End : 4-Jun-101 12:23:09 pm

Radio Type : SAMSUNG  
Model Number : SCH-A301  
Serial Number : 1  
Frequency : 848.31 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 = 51.700  
Mixture Conductivity = 1.100

Comment :  
SAMSUNG SINGLE MODE PHONE - CDMA MODE  
CH 0777 Conducted 23.0 dBm  
SAMSUNG SINGLE 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 = -2.250, Z = 0.000 (cm) Value = 10.280

Measured Values (volts) =  
9.840E-003 7.781E-003 6.262E-003 5.092E-003 4.323E-003 3.816E-003  
3.521E-003 3.294E-003 3.018E-003 2.629E-003 2.093E-003 1.624E-003  
1.064E-003 6.949E-004 4.797E-004 4.502E-004 5.789E-004 8.015E-004  
9.761E-004 9.382E-004 6.434E-004

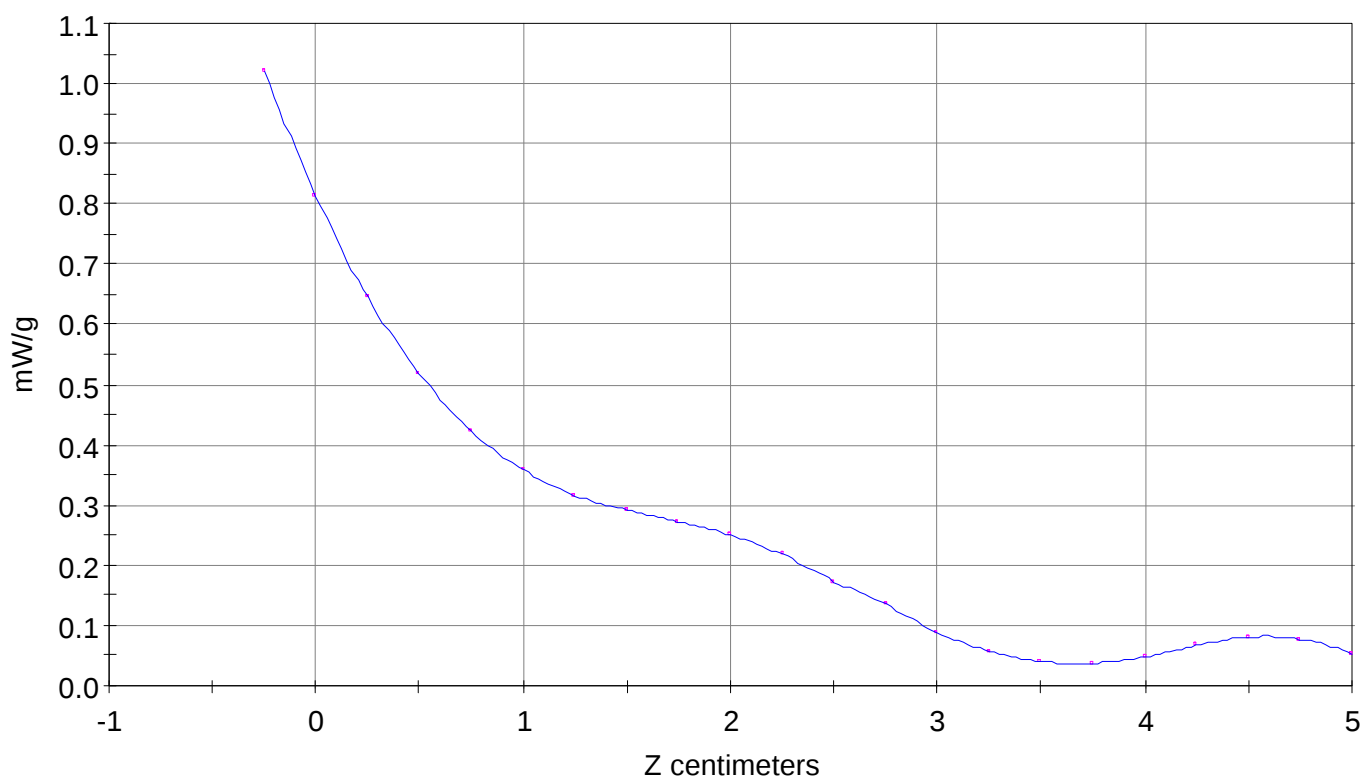
Calc. Voltage @ Surface (Vs) = 0.0123

Voltage @ 1.00 cm (Vt) = 0.0051

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

Ave. SAR over 1 g (mW/g) = 0.7213

SAR Scan  
File : 01060410\_ZOOM  
Start : 4-Jun-10 12:15:42 pm End : 4-Jun-10 12:23:09 pm  
SAMSUNG/SCH-A301/1;848.31MHz;W;Helical/In;  
Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 Degrees Muscle/51.700/1.100

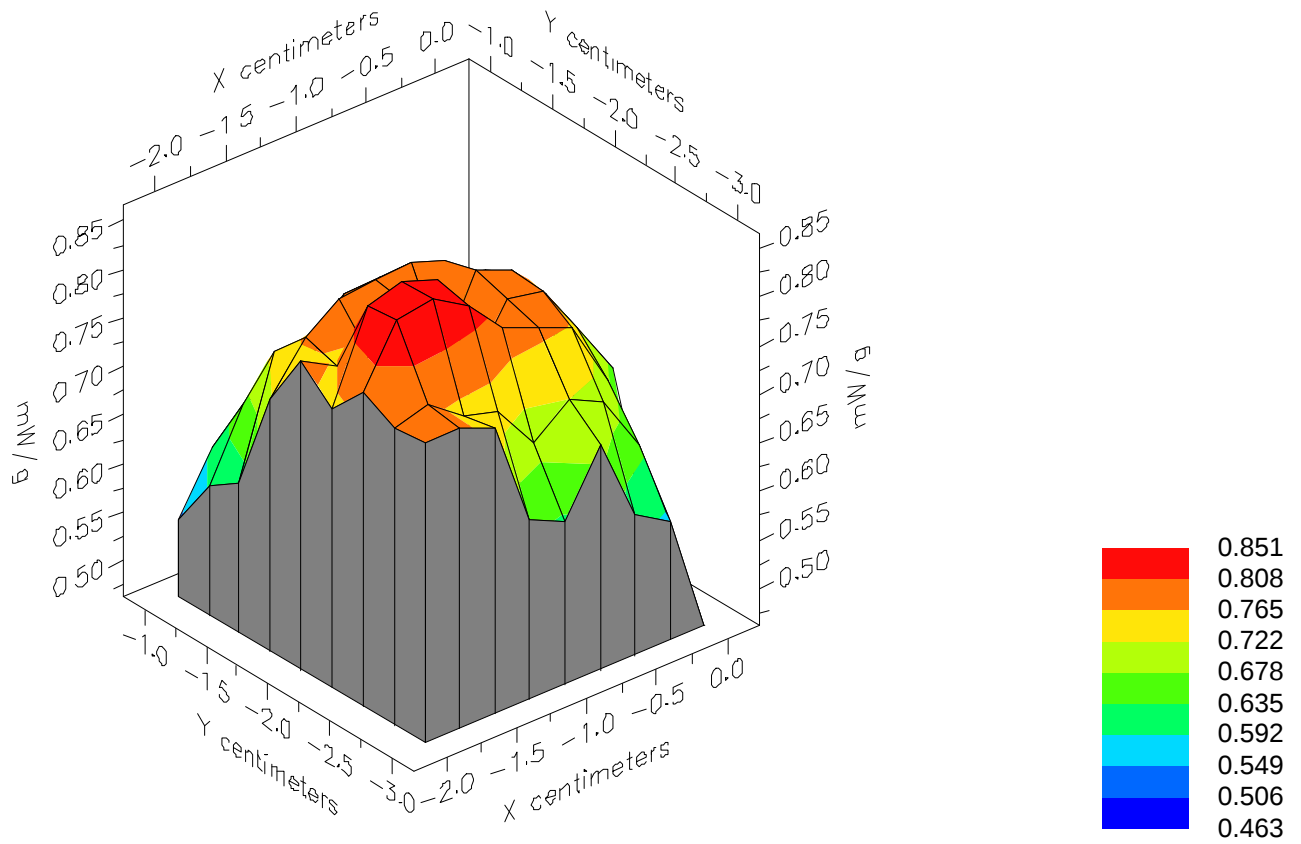


File : 01060410\_ZOOM

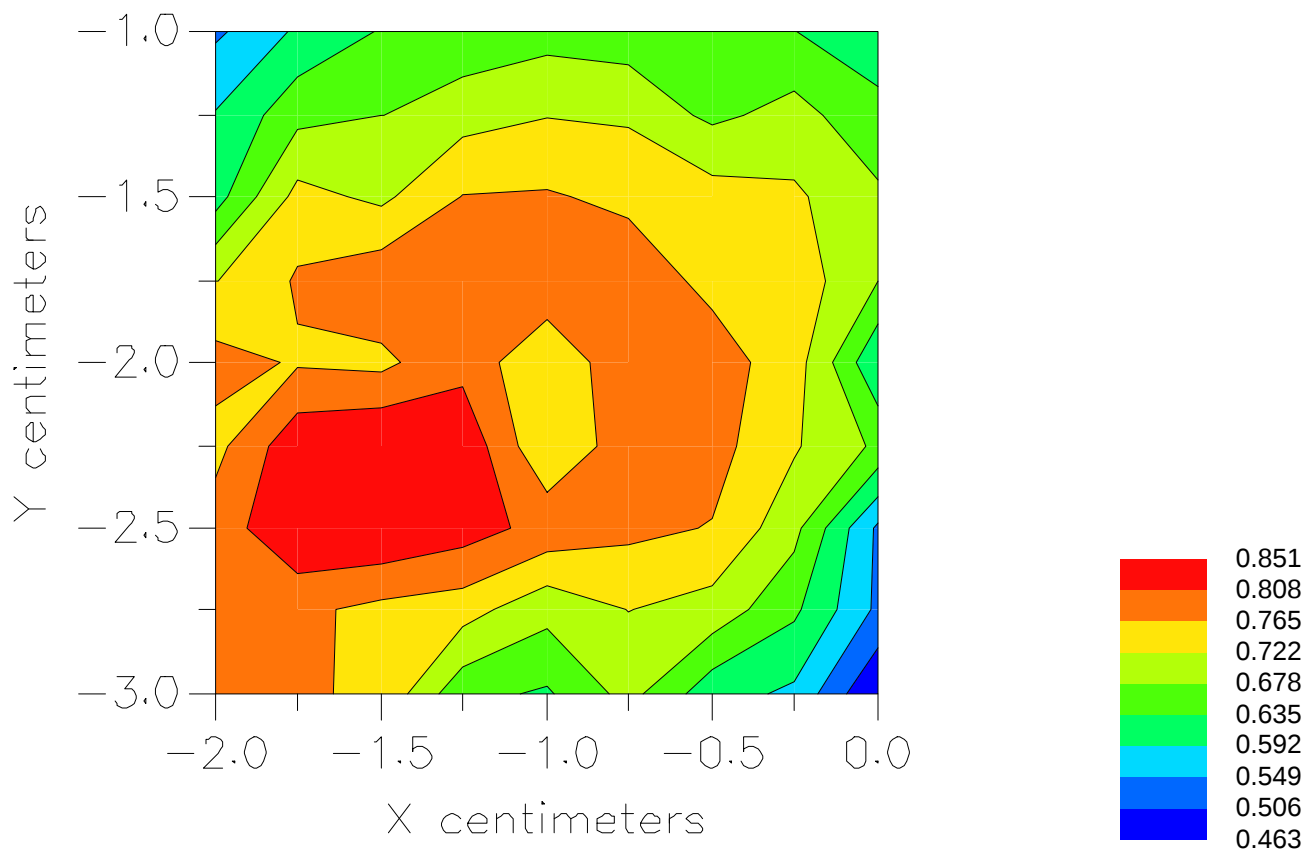
Start : 4-Jun-101 12:15:42 pm End : 4-Jun-101 12:23:09 pm

SAMSUNG/SCH-A301/1;848.31MHz;W;Helical/In;

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



File : 01060410\_ZOOM  
Start : 4-Jun-101 12:15:42 pm End : 4-Jun-101 12:23:09 pm  
SAMSUNG/SCH-A301/1;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/01060409\_ZOOM.VLT  
Start : 4-Jun-101 12:04:11 pm End : 4-Jun-101 12:15:01 pm

Radio Type : SAMSUNG  
Model Number : SCH-A301  
Serial Number : 1  
Frequency : 848.31 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 = 51.700  
Mixture Conductivity = 1.100

Comment :  
SAMSUNG SINGLE MODE PHONE - CDMA MODE  
CH 0777 Conducted 23.0 dBm  
SAMSUNG SINGLE 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 = 10.763

Measured Values (volts) =  
1.025E-002 8.314E-003 6.628E-003 5.403E-003 4.616E-003 4.058E-003  
3.790E-003 3.560E-003 3.279E-003 2.875E-003 2.317E-003 1.741E-003  
1.180E-003 7.131E-004 5.138E-004 5.018E-004 7.125E-004 9.630E-004  
1.116E-003 1.048E-003 7.668E-004

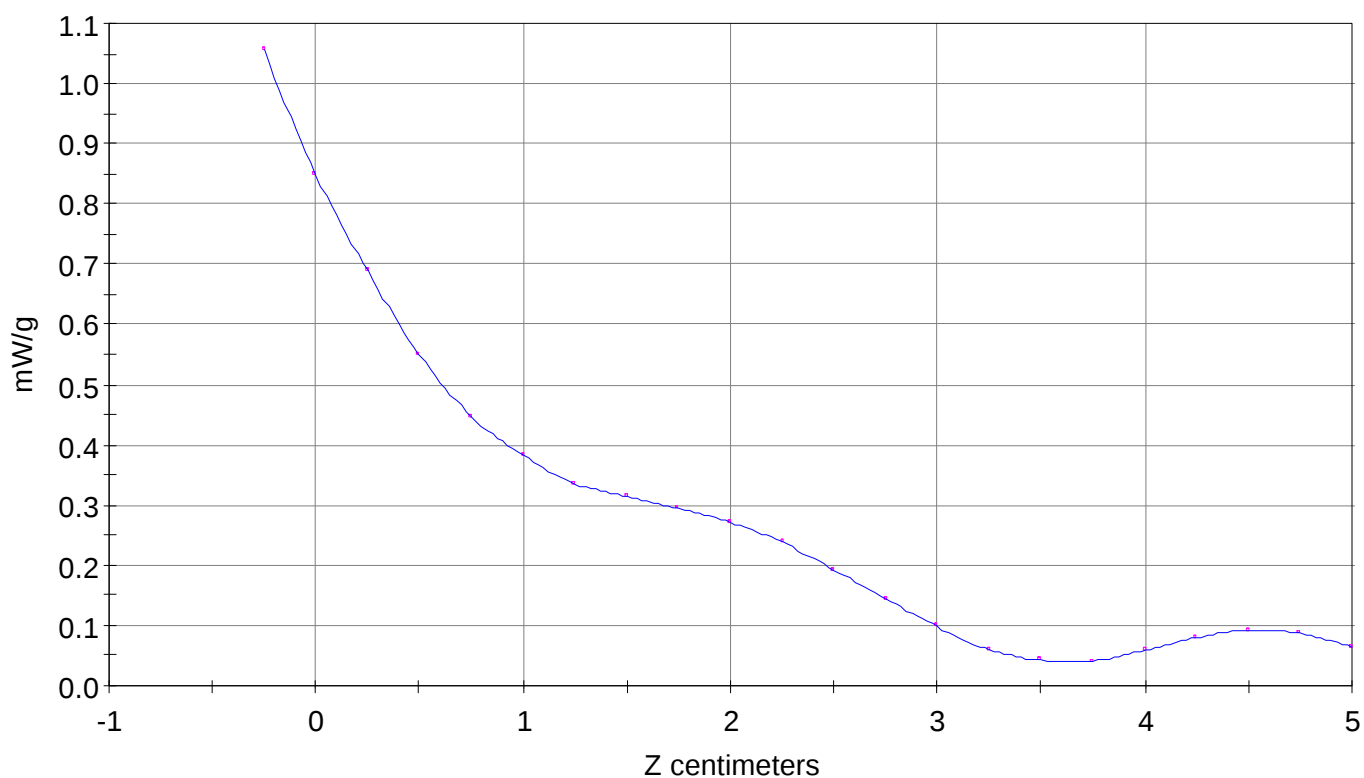
Calc. Voltage @ Surface (Vs) = 0.0127

Voltage @ 1.00 cm (Vt) = 0.0054

Ave. Voltage (Vs+Vt)/2 = 0.0091

Ave. SAR over 1 g (mW/g) = 0.7512

SAR Scan  
File : 01060409\_ZOOM  
Start : 4-Jun-10 12:04:11 pm End : 4-Jun-10 12:15:01 pm  
SAMSUNG/SCH-A301/1;848.31MHz;W;Helical/Out;  
Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 Degrees Muscle/51.700/1.100

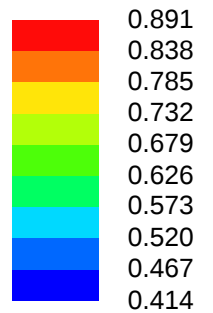
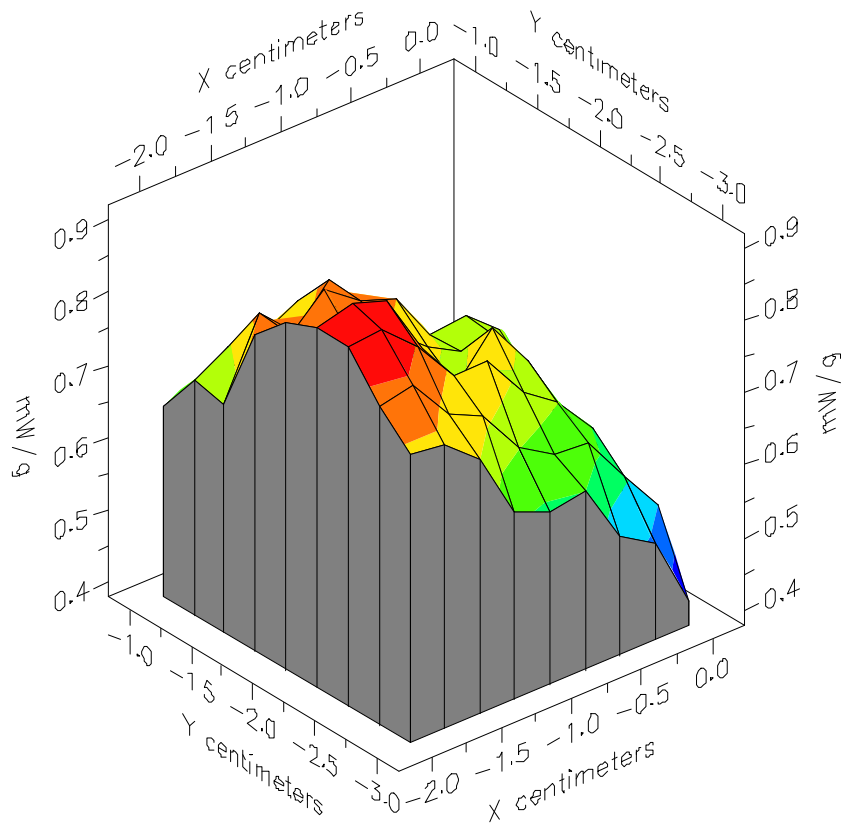


File : 01060409\_ZOOM

Start : 4-Jun-101 12:04:11 pm End : 4-Jun-101 12:15:01 pm

SAMSUNG/SCH-A301/1;848.31MHz;W;Helical/Out;

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

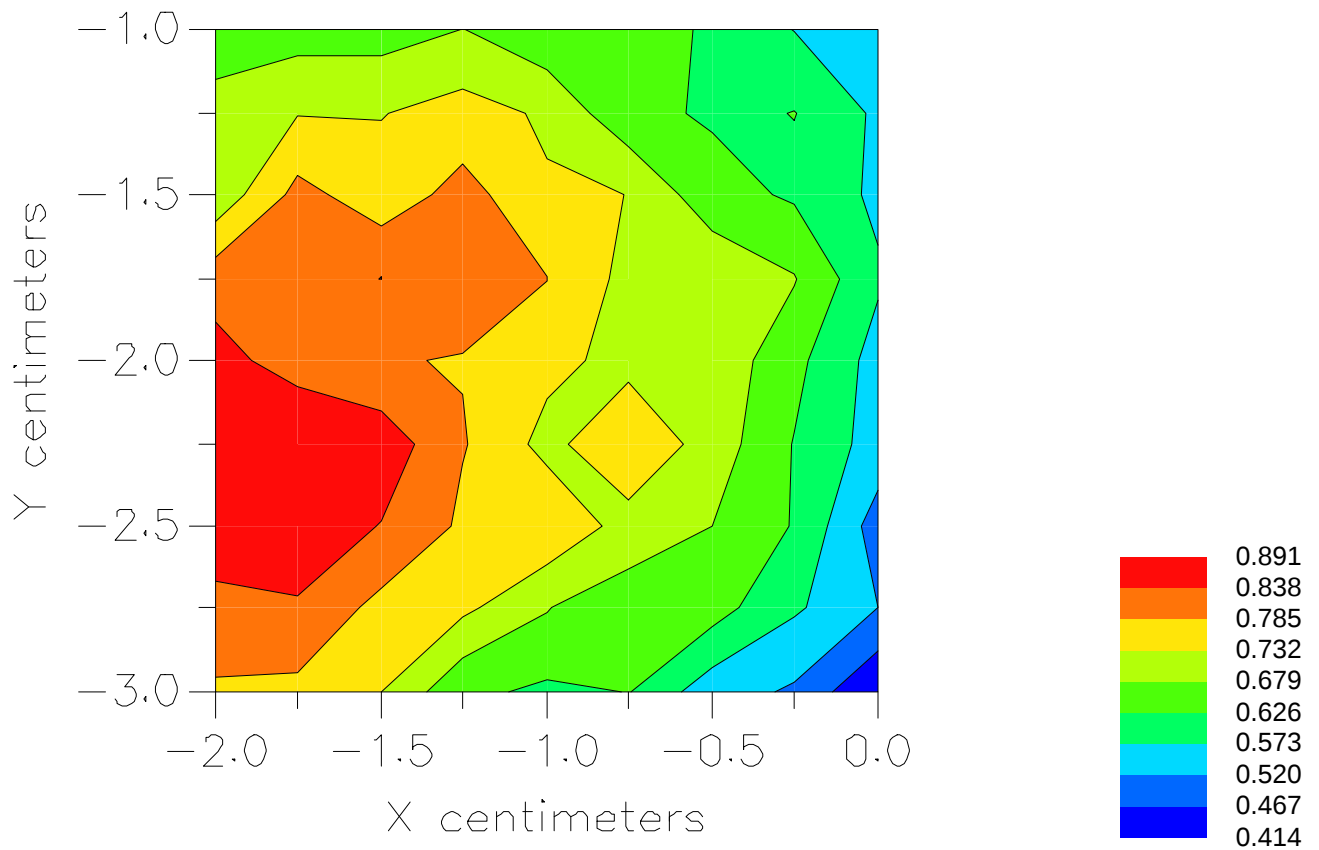


File : 01060409\_ZOOM

Start : 4-Jun-101 12:04:11 pm End : 4-Jun-101 12:15:01 pm

SAMSUNG/SCH-A301/1;848.31MHz;W;Helical/Out;

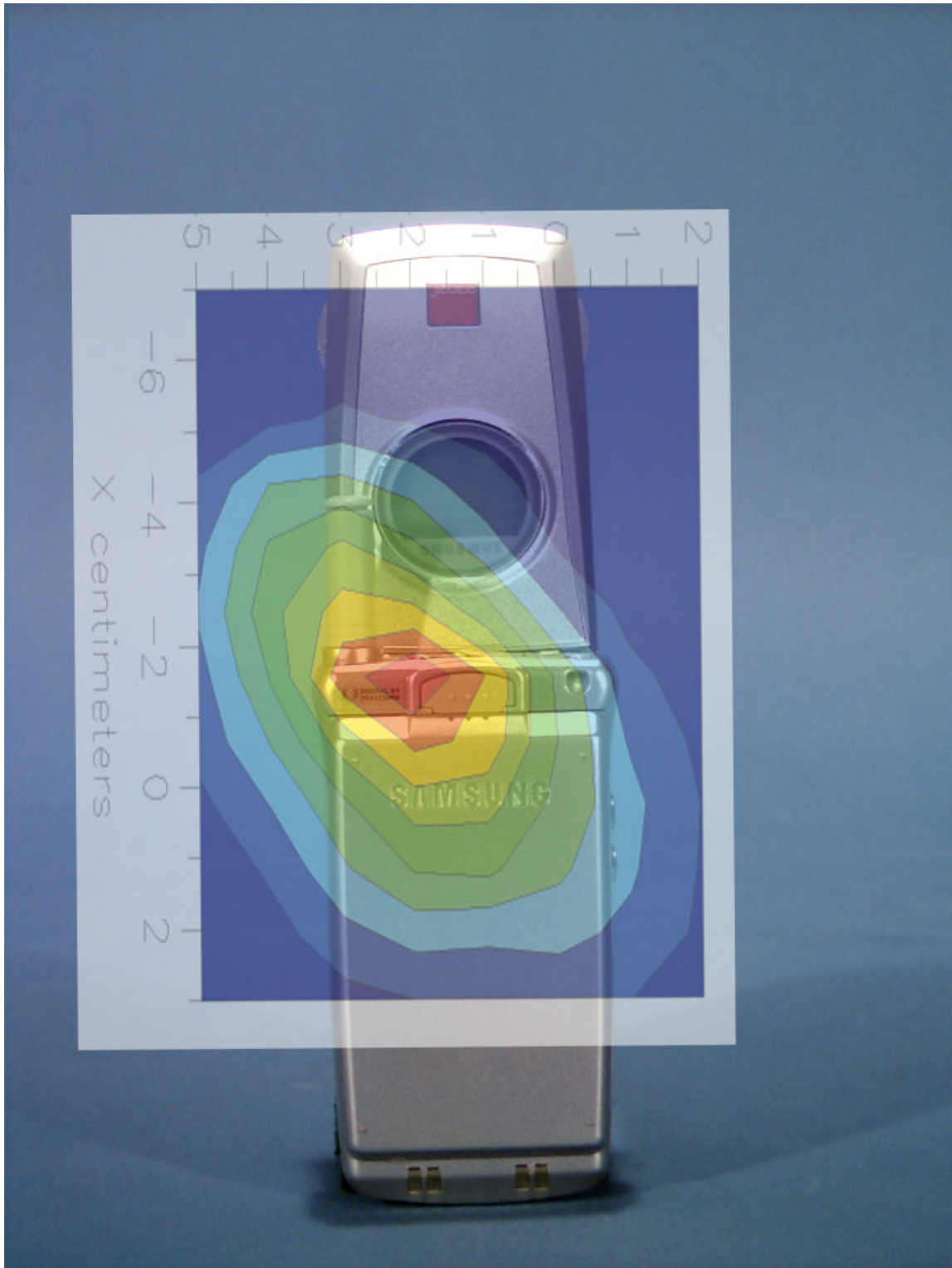
Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 DegreesMuscle/51.700/1.100



## Peak SAR Location

---

### Hand SAR



File : c:/idx3/SYSTEM/SARMEAS3/data/Normal/01060411\_SAR.VLT  
Start : 4-Jun-101 01:49:36 pm End : 4-Jun-101 01:56:16 pm

Radio Type : SAMSUNG  
Model Number : SCH-A301  
Serial Number : 1  
Frequency : 835.89 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 10g  
Probe Name : PCTEST  
Field Type : E Field  
Orientation : 0 Degrees

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

Comment :  
SAMSUNG SINGLE MODE PHONE - CDMA MODE  
CH 0363 Conducted 23.0 dBm  
SAMSUNG SINGLE MODE PHONE - HAND 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 = -2.750, Z = 0.000 (cm) Value = 22.192

Ave. SAR over 10 g (mW/g) = 0.8048

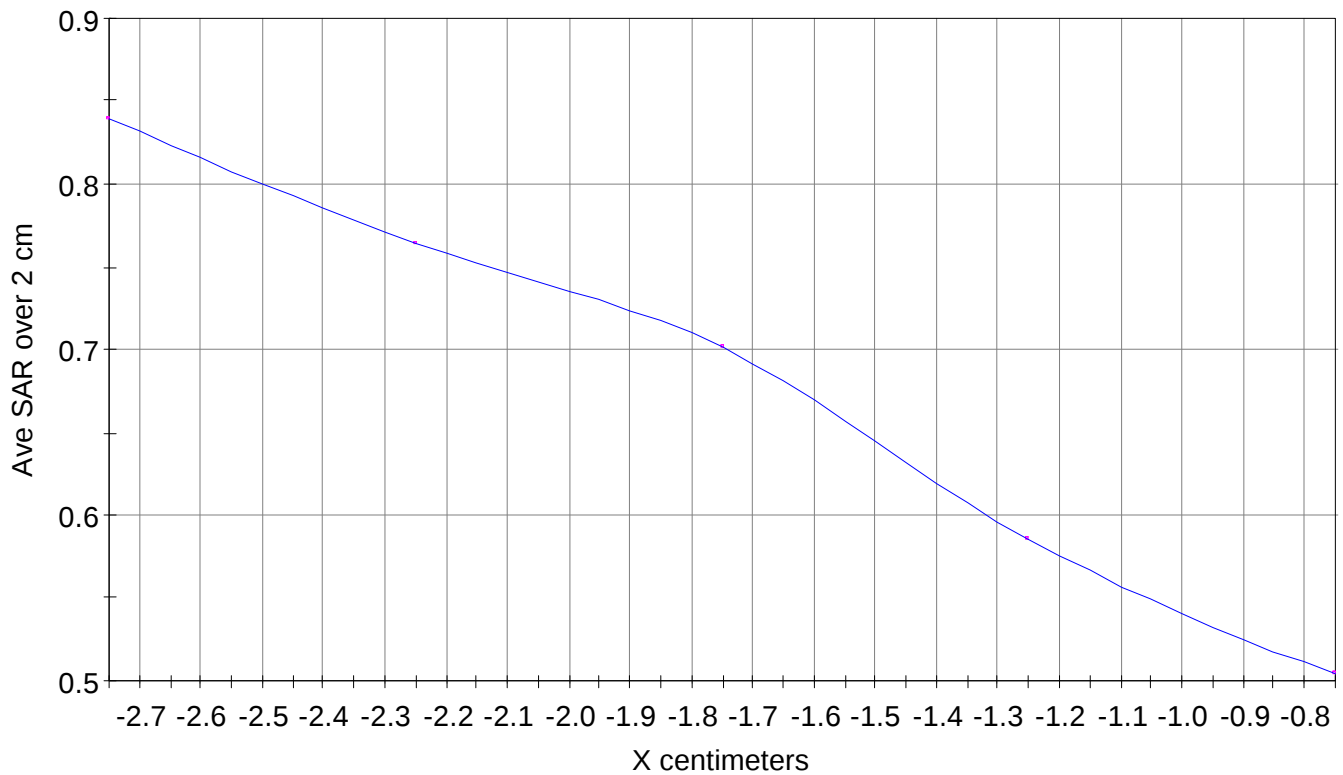
X-Z Plane Slice Y=-2.750

File : 01060411\_SAR

Start : 4-Jun-101 01:49:36 pm End : 4-Jun-101 01:56:16 pm

SAMSUNG/SCH-A301/1;835.89MHz;W;Helical/In;

Body/Abdomen;ZOOM/SAR 10g;PCTEST/E Field/0 DegreesMuscle/51.700/1.100

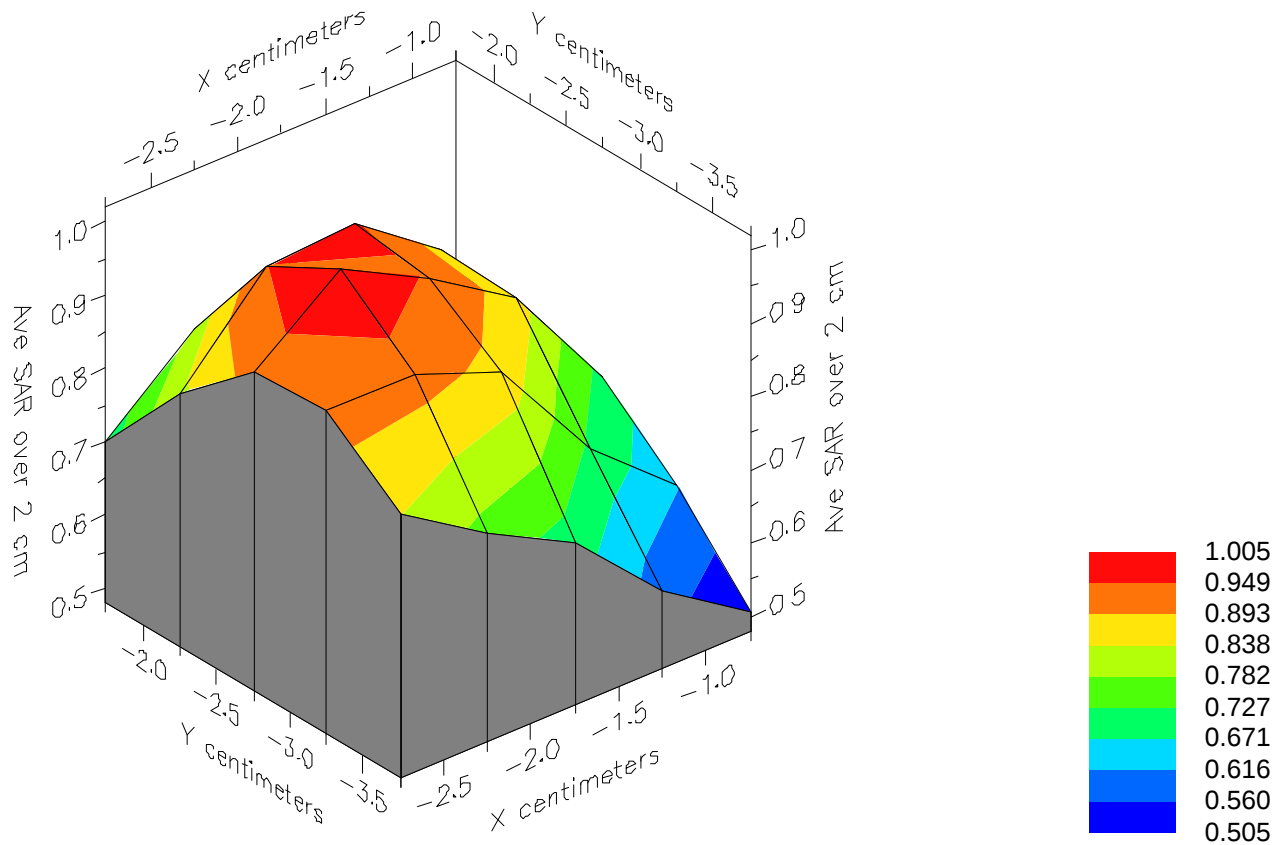


File : 01060411\_SAR

Start : 4-Jun-101 01:49:36 pm End : 4-Jun-101 01:56:16 pm

SAMSUNG/SCH-A301/1;835.89MHz;W;Helical/In;

Body/Abdomen;ZOOM/SAR 10g;PCTEST/E Field/0 DegreesMuscle/51.700/1.100

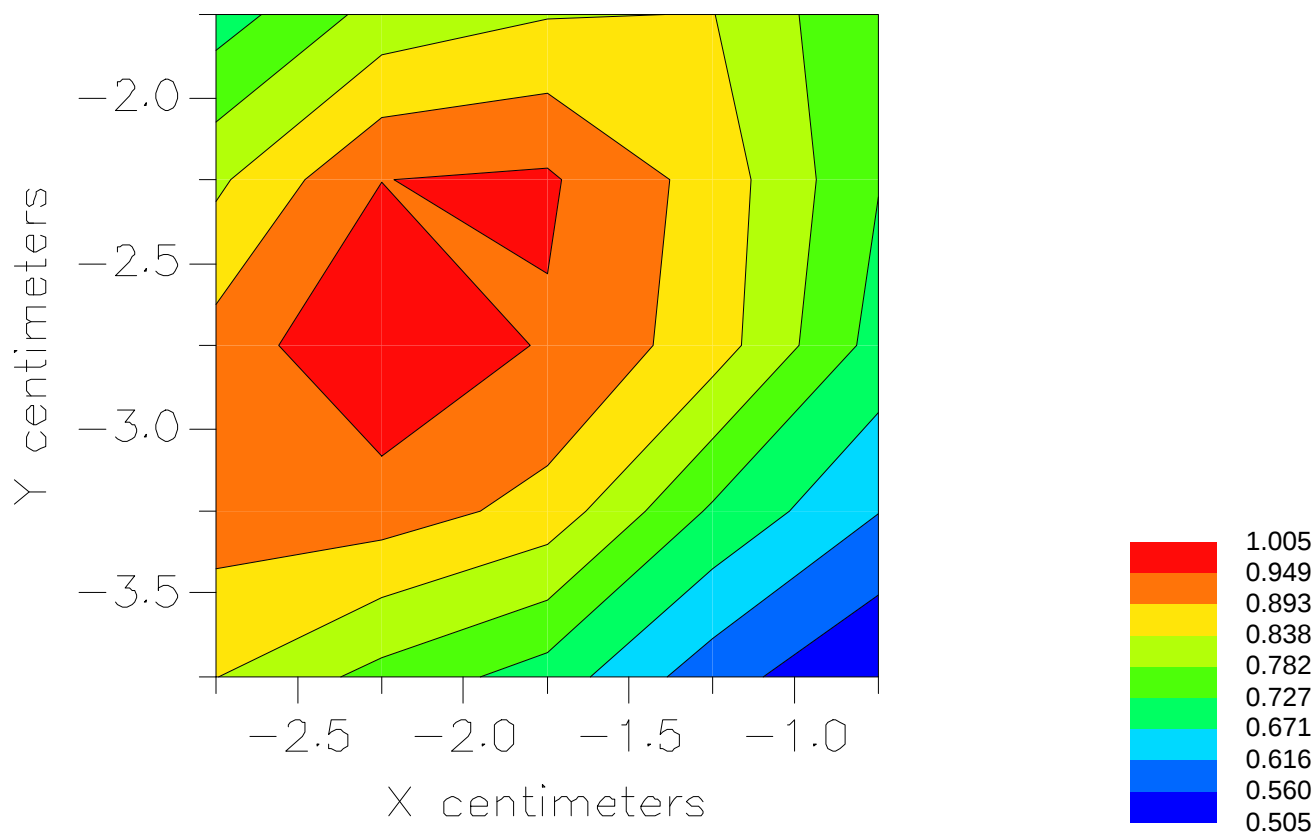


File : 01060411\_SAR

Start : 4-Jun-101 01:49:36 pm End : 4-Jun-101 01:56:16 pm

SAMSUNG/SCH-A301/1;835.89MHz;W;Helical/In;

Body/Abdomen;ZOOM/SAR 10g;PCTEST/E Field/0 DegreesMuscle/51.700/1.100



File : c:/idx3/SYSTEM/SARMEAS3/data/Normal/01060414\_SAR.VLT  
Start : 4-Jun-101 02:54:25 pm End : 4-Jun-101 03:01:07 pm

Radio Type : SAMSUNG  
Model Number : SCH-A301  
Serial Number : 1  
Frequency : 835.89 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 10g  
Probe Name : PCTEST  
Field Type : E Field  
Orientation : 0 Degrees

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

Comment :  
SAMSUNG SINGLE MODE PHONE - CDMA MODE  
CH 0363 Conducted 23.0 dBm  
SAMSUNG SINGLE MODE PHONE - HAND 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 = -2.500, Z = 0.000 (cm) Value = 18.758

Ave. SAR over 10 g (mW/g) = 0.6984

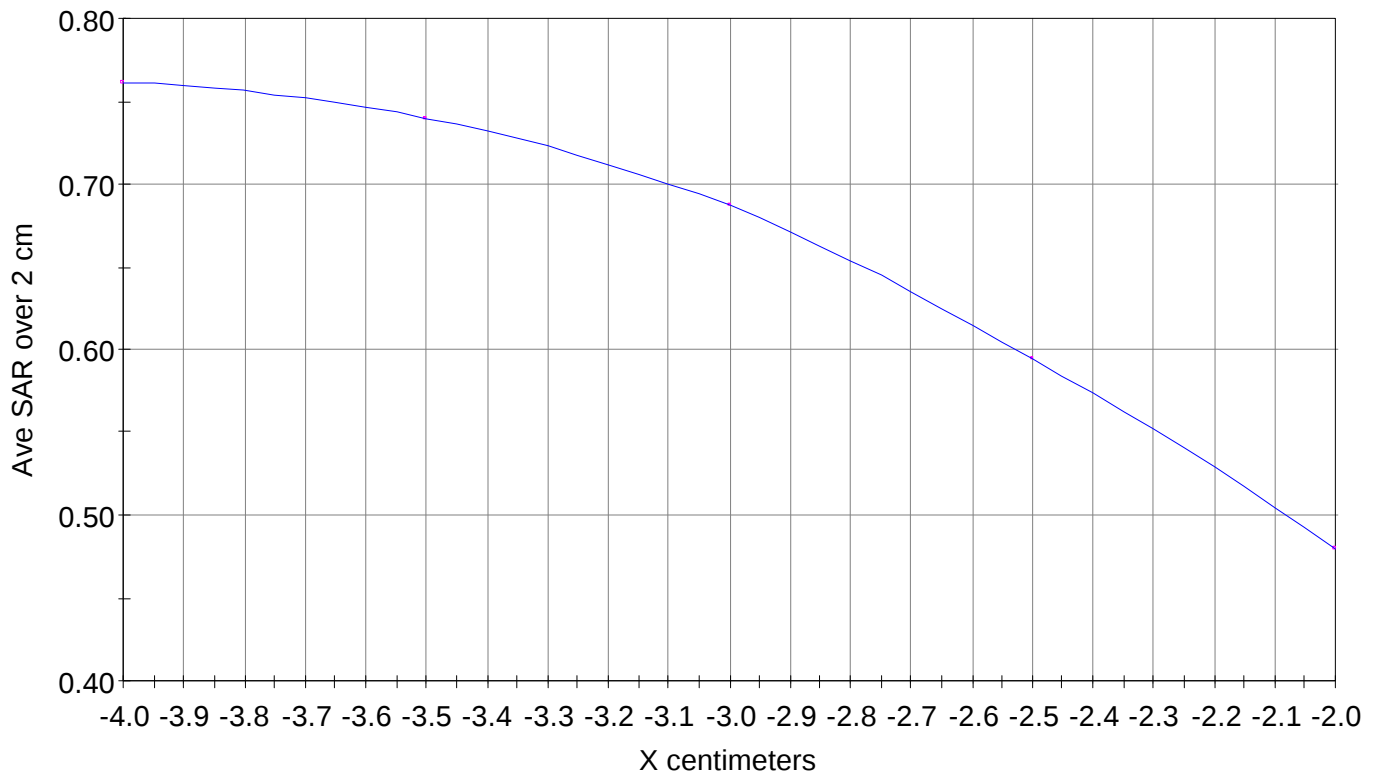
X-Z Plane Slice Y=-2.500

File : 01060414\_SAR

Start : 4-Jun-101 02:54:25 pm End : 4-Jun-101 03:01:07 pm

SAMSUNG/SCH-A301/1;835.89MHz;W;Helical/Out;

Body/Abdomen;ZOOM/SAR 10g;PCTEST/E Field/0 DegreesMuscle/51.700/1.100

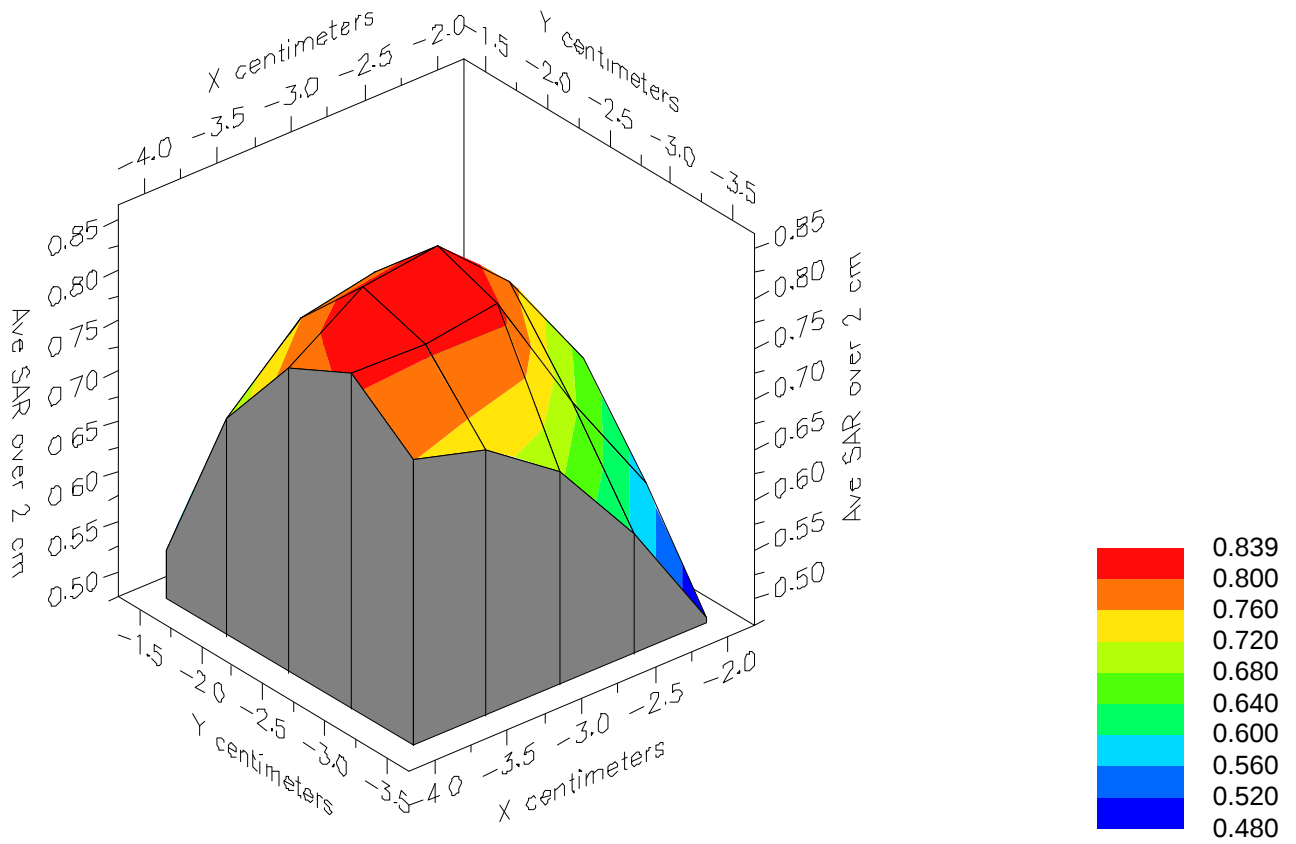


File : 01060414\_SAR

Start : 4-Jun-101 02:54:25 pm End : 4-Jun-101 03:01:07 pm

SAMSUNG/SCH-A301/1;835.89MHz;W;Helical/Out;

Body/Abdomen;ZOOM/SAR 10g;PCTEST/E Field/0 DegreesMuscle/51.700/1.100



File : 01060414\_SAR

Start : 4-Jun-101 02:54:25 pm End : 4-Jun-101 03:01:07 pm

SAMSUNG/SCH-A301/1;835.89MHz;W;Helical/Out;

Body/Abdomen;ZOOM/SAR 10g;PCTEST/E Field/0 DegreesMuscle/51.700/1.100

