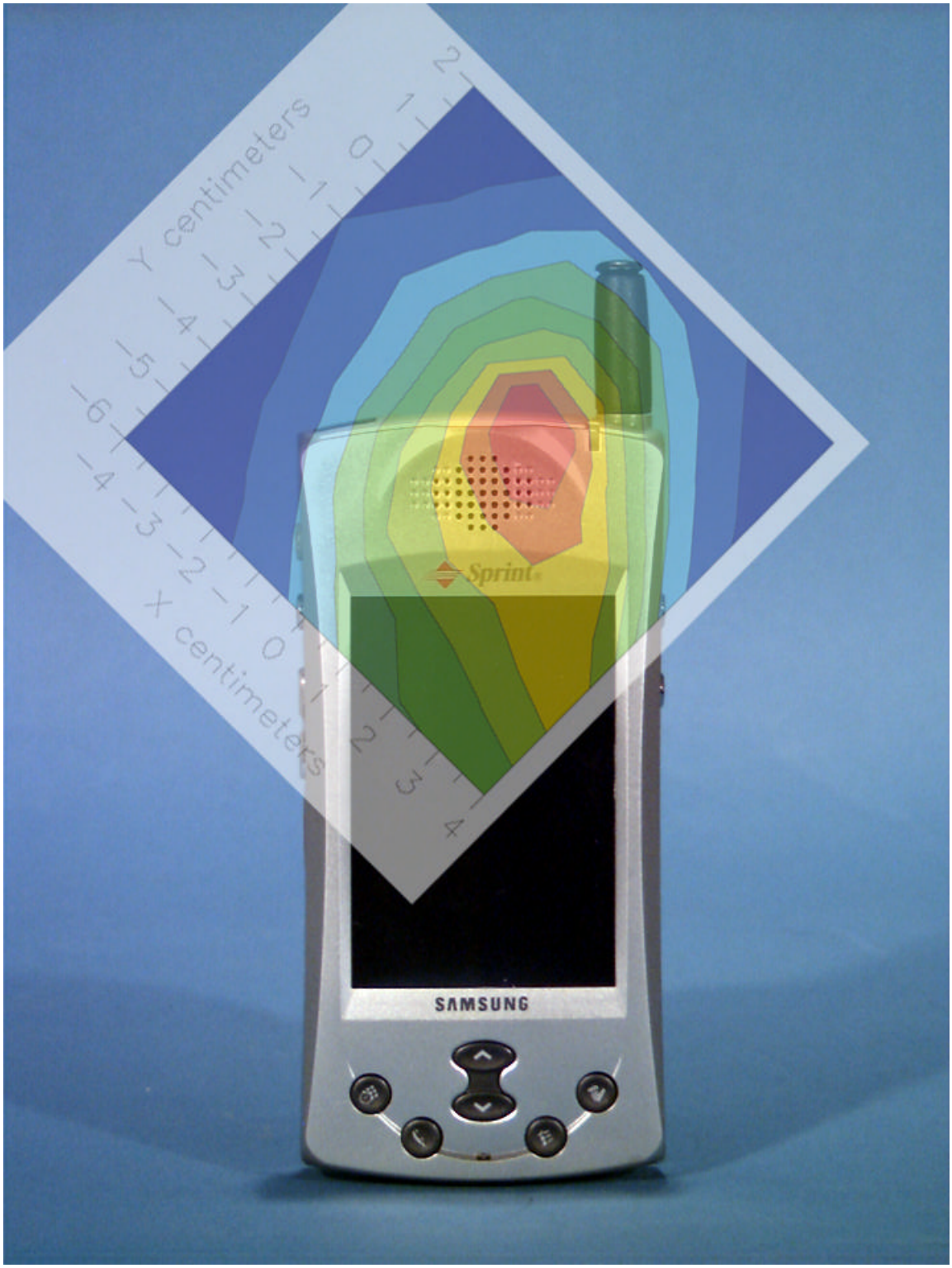
Peak SAR Location

800 MHz Head SAR



File : c:/idx3/SYSTEM/SARMEAS3/data/Normal/01062012_ZOOM.VLT
Start : 20-Jun-101 03:38:02 pm End : 20-Jun-101 03:47:20 pm

Radio Type   : SAMSUNG
Model Number   : SPH-I300
Serial Number   : 1
Frequency   : 824.04 MHz
Peak Trans. Pwr : 0.450 W
Start Trans. Pwr: 0.450 W
Antenna Type   : Helical
Antenna Posn.   : In
Phantom Type   : Head
Phantom Posn.   : Left Ear
Scan Type   : ZOOM/SAR
Probe Name   : PCTEST
Field Type   : E Field
Orientation   : 0 Degrees

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

Comment :
    SAMSUNG DUAL-BAND PHONE
    CH 991   Conducted 26.5 dBm
    SAMSUNG DUAL-BAND 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 =   0.000, Y = -2.000, Z =   0.000   (cm) Value = 20.996

Measured Values (volts) =
  2.062E-002 1.644E-002 1.328E-002 1.101E-002 9.088E-003 7.057E-003
  5.845E-003 4.678E-003 3.901E-003 3.453E-003 3.200E-003 3.066E-003
  2.999E-003 2.873E-003 2.583E-003 2.129E-003 1.647E-003 1.160E-003
  6.708E-004 4.305E-004 3.442E-004

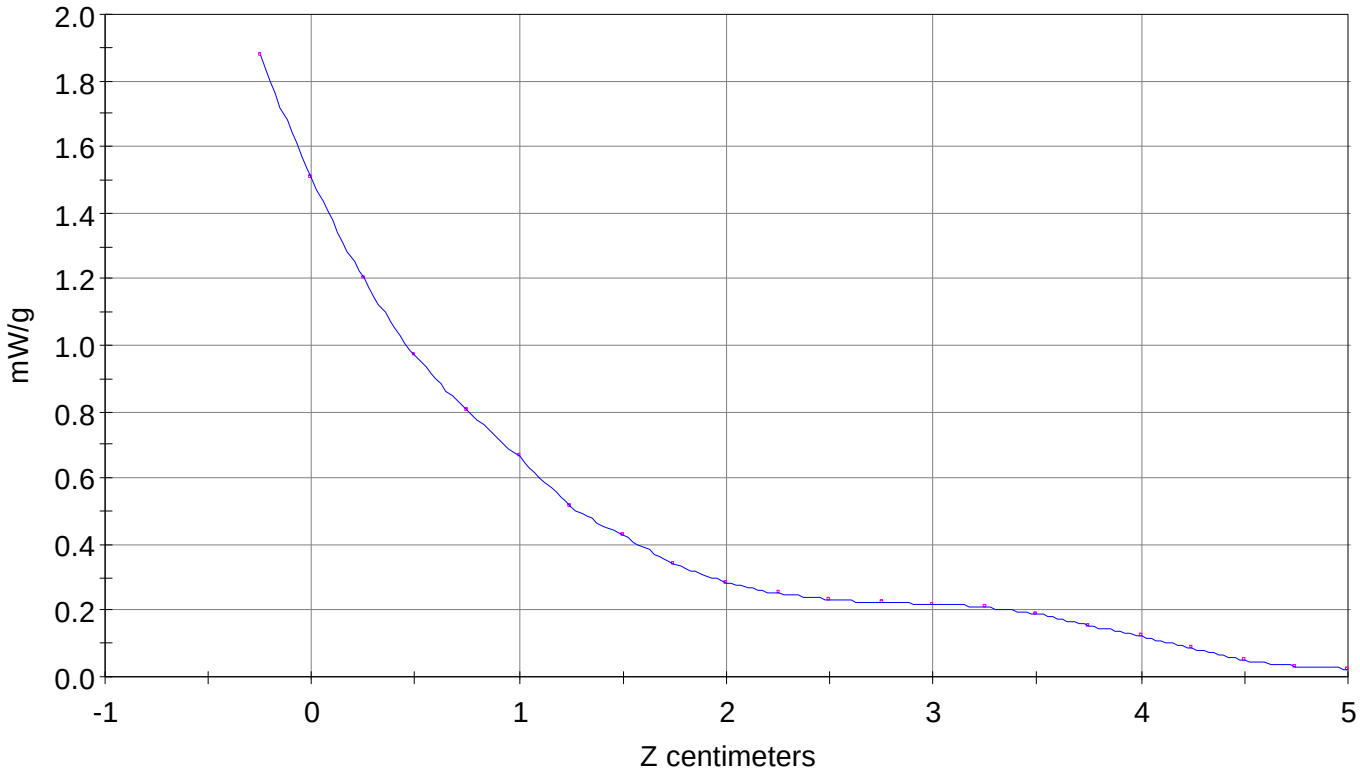
Calc. Voltage @ Surface (Vs) = 0.0257

Voltage @ 1.00 cm (Vt)   = 0.0110

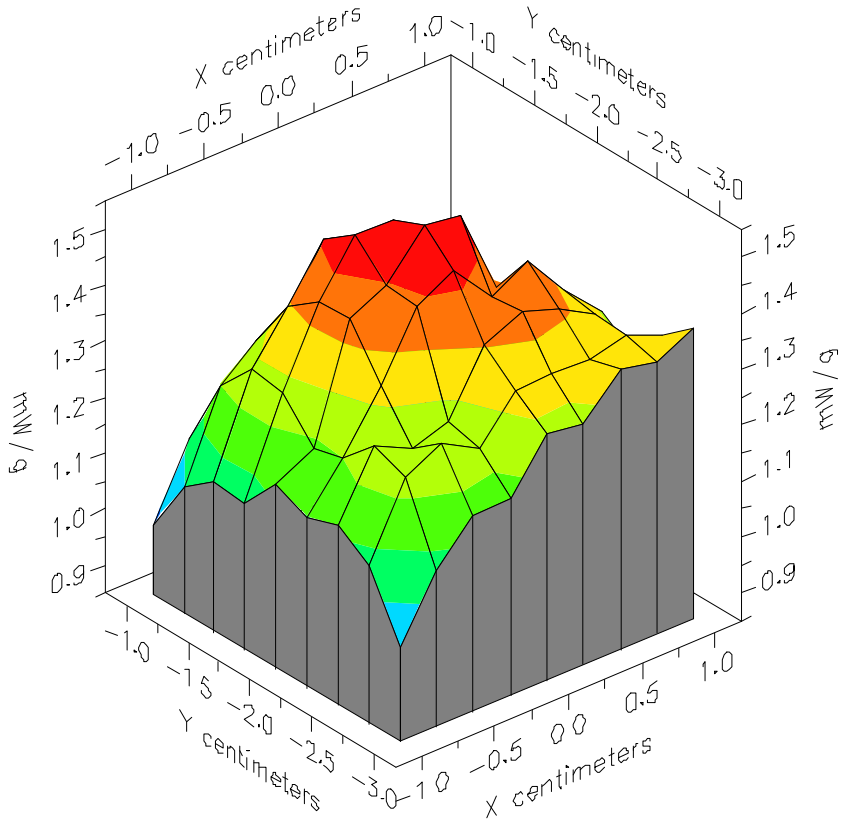
Ave. Voltage (Vs+Vt)/2   = 0.0184

Ave. SAR over 1 g (mW/g)   = 1.3393

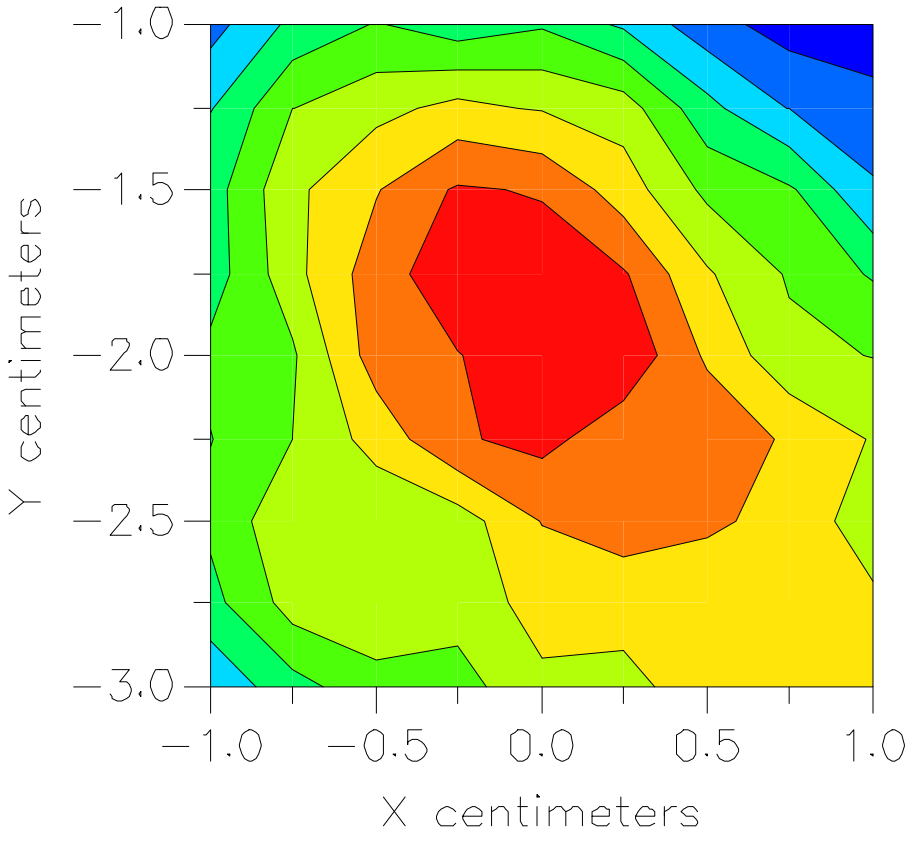
SAR Scan
File : 01062012_ZOOM
Start : 20-Jun-101 03:38:02 pm End : 20-Jun-101 03:47:20 pm
SAMSUNG/SPH-I300/1;824.04MHz;W;Helical/In;
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/41.500/0.900



File : 01062012_ZOOM
Start : 20-Jun-101 03:38:02 pm End : 20-Jun-101 03:47:20 pm
SAMSUNG/SPH-I300/1;824.04MHz;W;Helical/In;
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/41.500/0.900



File : 01062012_ZOOM
Start : 20-Jun-101 03:38:02 pm End : 20-Jun-101 03:47:20 pm
SAMSUNG/SPH-I300/1;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/01062017_ZOOM.VLT
Start : 20-Jun-101 04:38:38 pm End : 20-Jun-101 04:47:58 pm

Radio Type   : SAMSUNG
Model Number   : SPH-I300
Serial Number   : 1
Frequency   : 824.04 MHz
Peak Trans. Pwr : 0.450 W
Start Trans. Pwr: 0.450 W
Antenna Type   : Helical
Antenna Posn.   : Out
Phantom Type   : Head
Phantom Posn.   : Left Ear
Scan Type   : ZOOM/SAR
Probe Name   : PCTEST
Field Type   : E Field
Orientation   : 0 Degrees

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

Comment :
    SAMSUNG DUAL-BAND PHONE
    CH 991   Conducted 26.5 dBm
    SAMSUNG DUAL-BAND 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 = -0.250, Y = -1.500, Z =   0.000   (cm) Value = 18.382

Measured Values (volts) =
  1.803E-002 1.440E-002 1.167E-002 9.882E-003 8.061E-003 6.648E-003
  5.415E-003 4.544E-003 3.824E-003 3.388E-003 3.364E-003 3.402E-003
  3.338E-003 3.291E-003 2.951E-003 2.800E-003 2.200E-003 1.709E-003
  1.308E-003 1.263E-003 9.446E-004

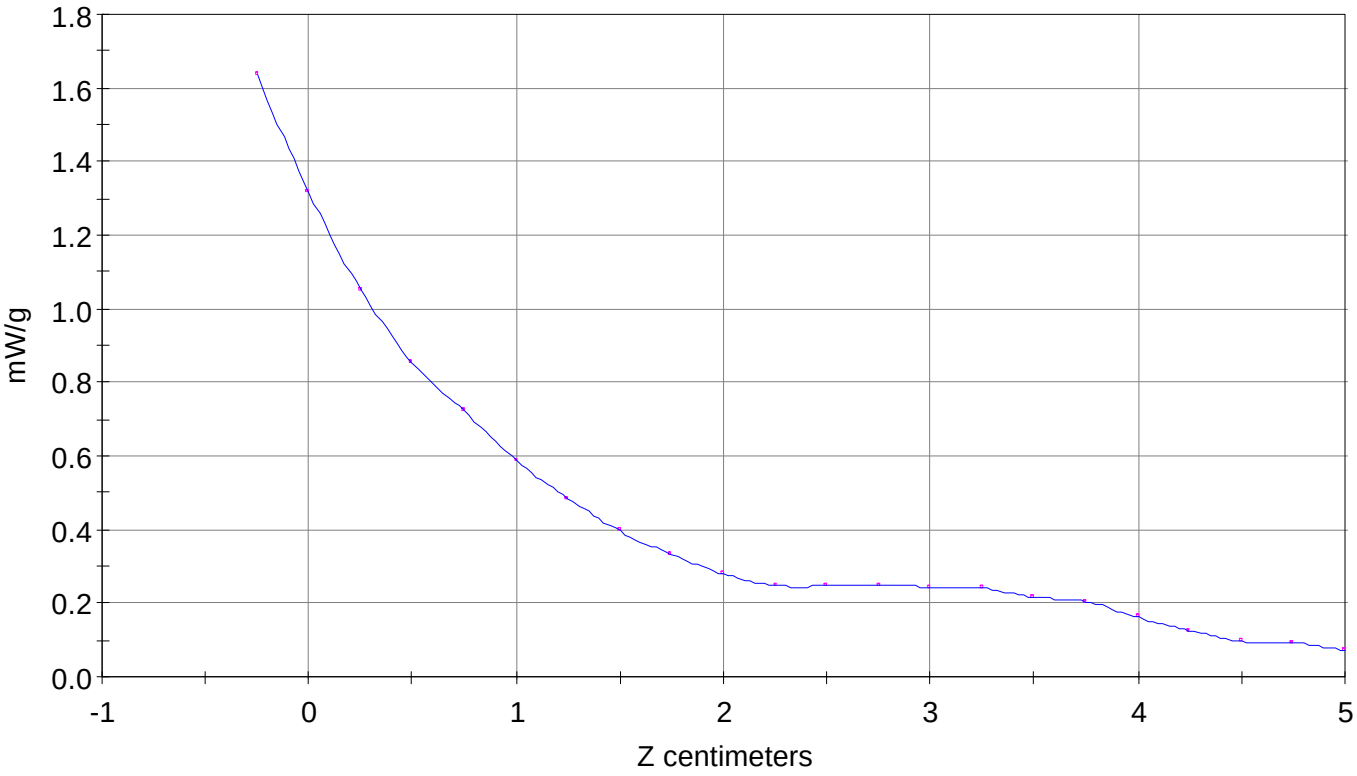
Calc. Voltage @ Surface (Vs) = 0.0224

Voltage @ 1.00 cm (Vt)   = 0.0099

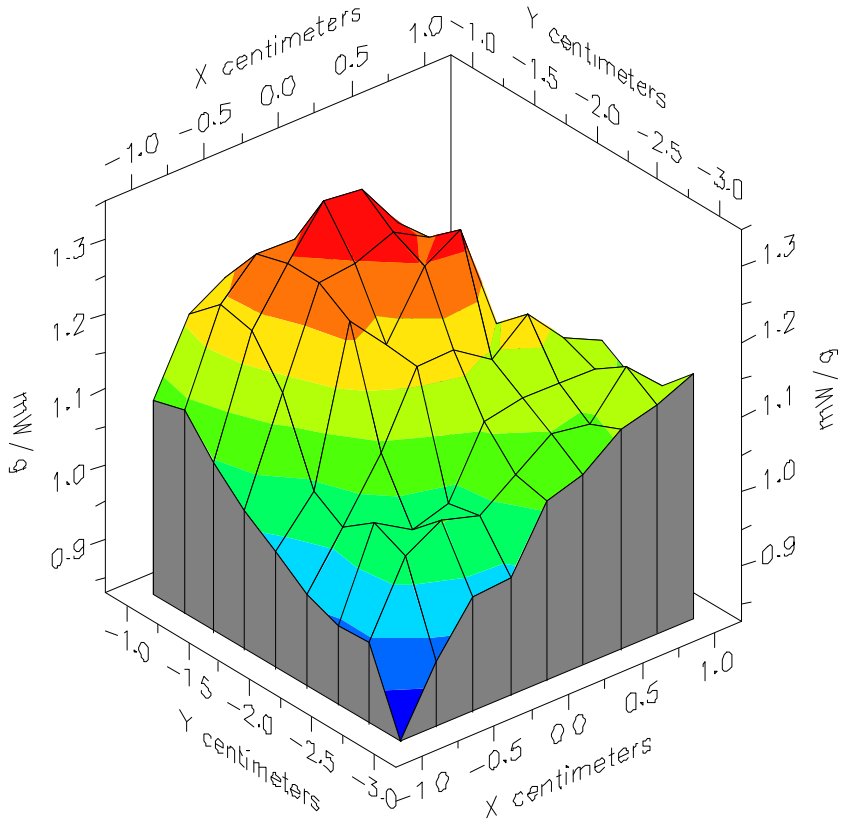
Ave. Voltage (Vs+Vt)/2   = 0.0161

Ave. SAR over 1 g (mW/g)   = 1.1781

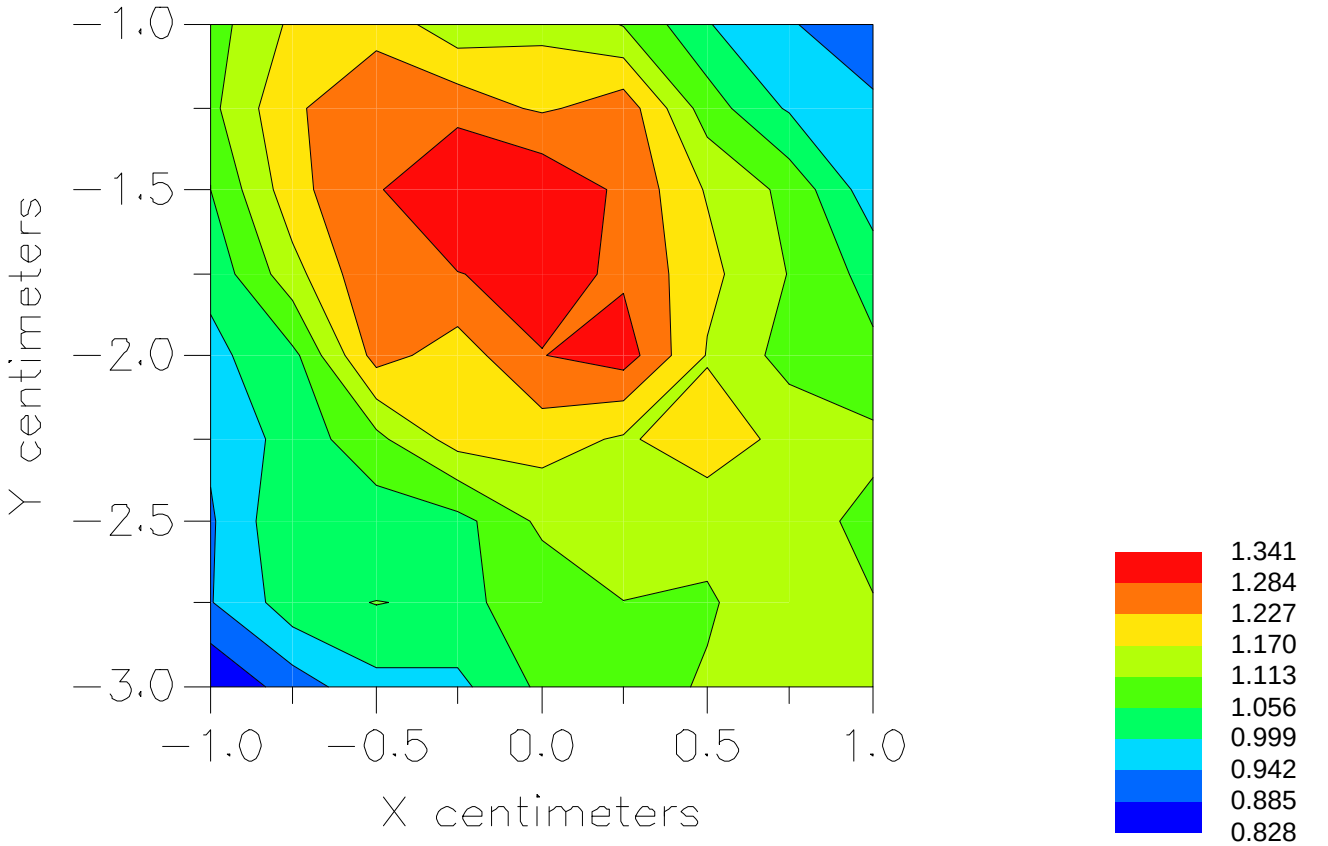
SAR Scan
File : 01062017_ZOOM
Start : 20-Jun-101 04:38:38 pm End : 20-Jun-101 04:47:58 pm
SAMSUNG/SPH-I300/1;824.04MHz;W;Helical/Out;
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/41.500/0.900



File : 01062017_ZOOM
Start : 20-Jun-101 04:38:38 pm End : 20-Jun-101 04:47:58 pm
SAMSUNG/SPH-I300/1;824.04MHz;W;Helical/Out;
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/41.500/0.900



File : 01062017_ZOOM
Start : 20-Jun-101 04:38:38 pm End : 20-Jun-101 04:47:58 pm
SAMSUNG/SPH-I300/1;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/01062013_ZOOM.VLT
Start : 20-Jun-101 03:58:49 pm End : 20-Jun-101 04:08:08 pm

Radio Type   : SAMSUNG
Model Number   : SPH-I300
Serial Number   : 1
Frequency   : 836.49 MHz
Peak Trans. Pwr : 0.450 W
Start Trans. Pwr: 0.450 W
Antenna Type   : Helical
Antenna Posn.   : In
Phantom Type   : Head
Phantom Posn.   : Left Ear
Scan Type   : ZOOM/SAR
Probe Name   : PCTEST
Field Type   : E Field
Orientation   : 0 Degrees

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

Comment :
    SAMSUNG DUAL-BAND PHONE
    CH 383   Conducted 26.5 dBm
    SAMSUNG DUAL-BAND 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 =   0.000, Y = -2.000, Z =   0.000   (cm) Value = 21.654

Measured Values (volts) =
  2.153E-002 1.675E-002 1.368E-002 1.128E-002 9.311E-003 7.479E-003
  5.997E-003 4.828E-003 4.072E-003 3.556E-003 3.409E-003 3.214E-003
  3.109E-003 2.984E-003 2.639E-003 2.240E-003 1.756E-003 1.186E-003
  7.464E-004 4.362E-004 3.494E-004

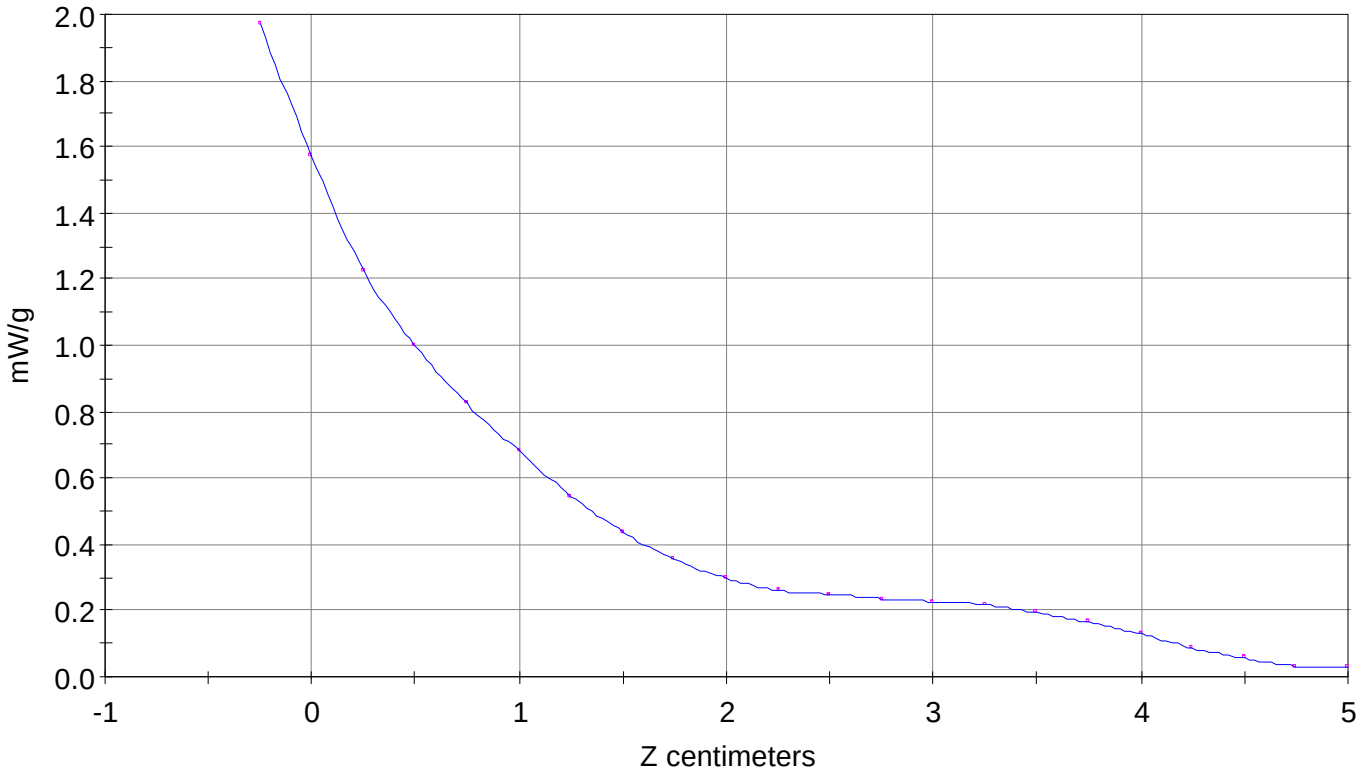
Calc. Voltage @ Surface (Vs) = 0.0270

Voltage @ 1.00 cm (Vt)   = 0.0113

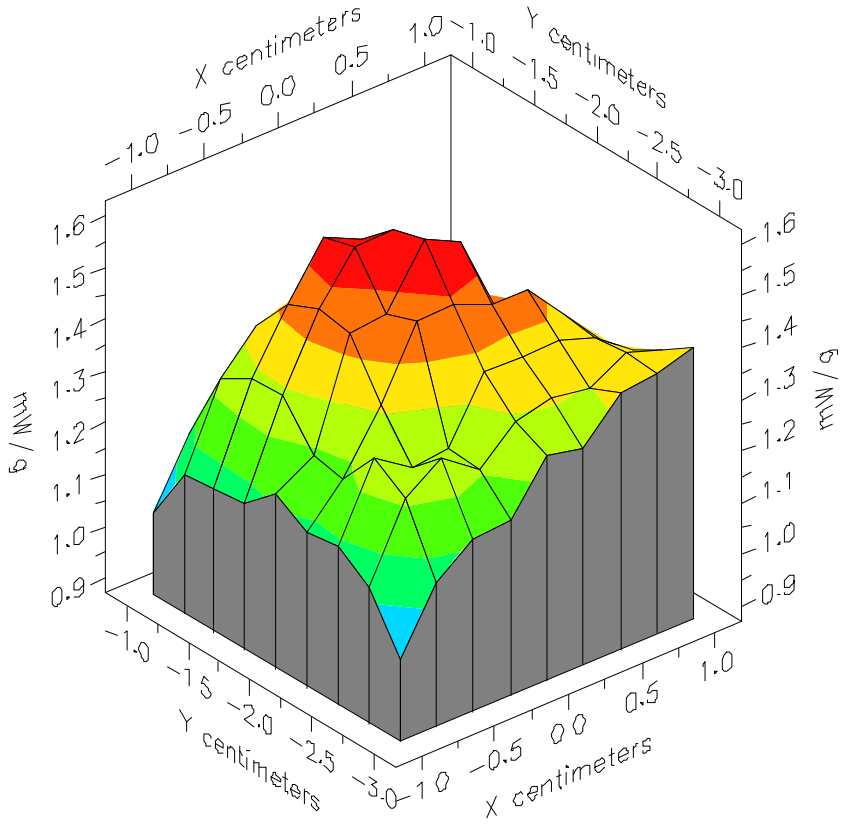
Ave. Voltage (Vs+Vt)/2   = 0.0191

Ave. SAR over 1 g (mW/g)   = 1.3968

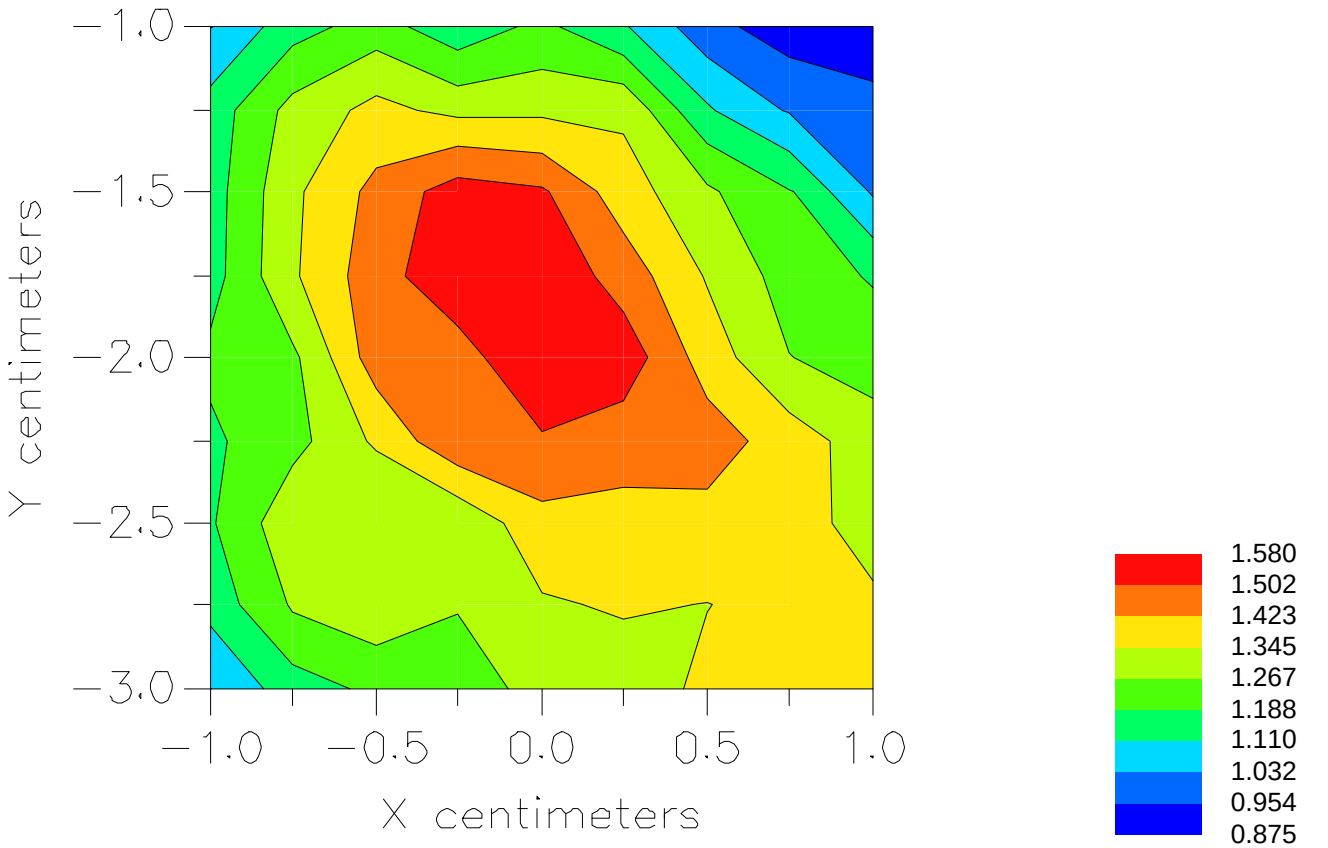
SAR Scan
File : 01062013_ZOOM
Start : 20-Jun-101 03:58:49 pm End : 20-Jun-101 04:08:08 pm
SAMSUNG/SPH-I300/1;836.49MHz;W;Helical/In;
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/41.500/0.900



File : 01062013_ZOOM
Start : 20-Jun-101 03:58:49 pm End : 20-Jun-101 04:08:08 pm
SAMSUNG/SPH-I300/1;836.49MHz;W;Helical/In;
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/41.500/0.900



File : 01062013_ZOOM
Start : 20-Jun-101 03:58:49 pm End : 20-Jun-101 04:08:08 pm
SAMSUNG/SPH-I300/1;836.49MHz;W;Helical/In;
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/41.500/0.900



File : c:/idx3/SYSTEM/SARMEAS3/data/Normal/01062016_ZOOM.VLT
Start : 20-Jun-101 04:27:48 pm End : 20-Jun-101 04:37:05 pm

Radio Type   : SAMSUNG
Model Number   : SPH-I300
Serial Number   : 1
Frequency   : 836.49 MHz
Peak Trans. Pwr : 0.450 W
Start Trans. Pwr: 0.450 W
Antenna Type   : Helical
Antenna Posn.   : Out
Phantom Type   : Head
Phantom Posn.   : Left Ear
Scan Type   : ZOOM/SAR
Probe Name   : PCTEST
Field Type   : E Field
Orientation   : 0 Degrees

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

Comment :
    SAMSUNG DUAL-BAND PHONE
    CH 383   Conducted 26.5 dBm
    SAMSUNG DUAL-BAND 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 =   0.000, Y = -1.500, Z =   0.000   (cm) Value = 17.319

Measured Values (volts) =
  1.779E-002 1.373E-002 1.158E-002 9.473E-003 8.000E-003 6.445E-003
  5.191E-003 4.246E-003 3.782E-003 3.459E-003 3.329E-003 3.226E-003
  3.124E-003 3.145E-003 2.831E-003 2.475E-003 2.046E-003 1.614E-003
  1.221E-003 9.553E-004 1.179E-003

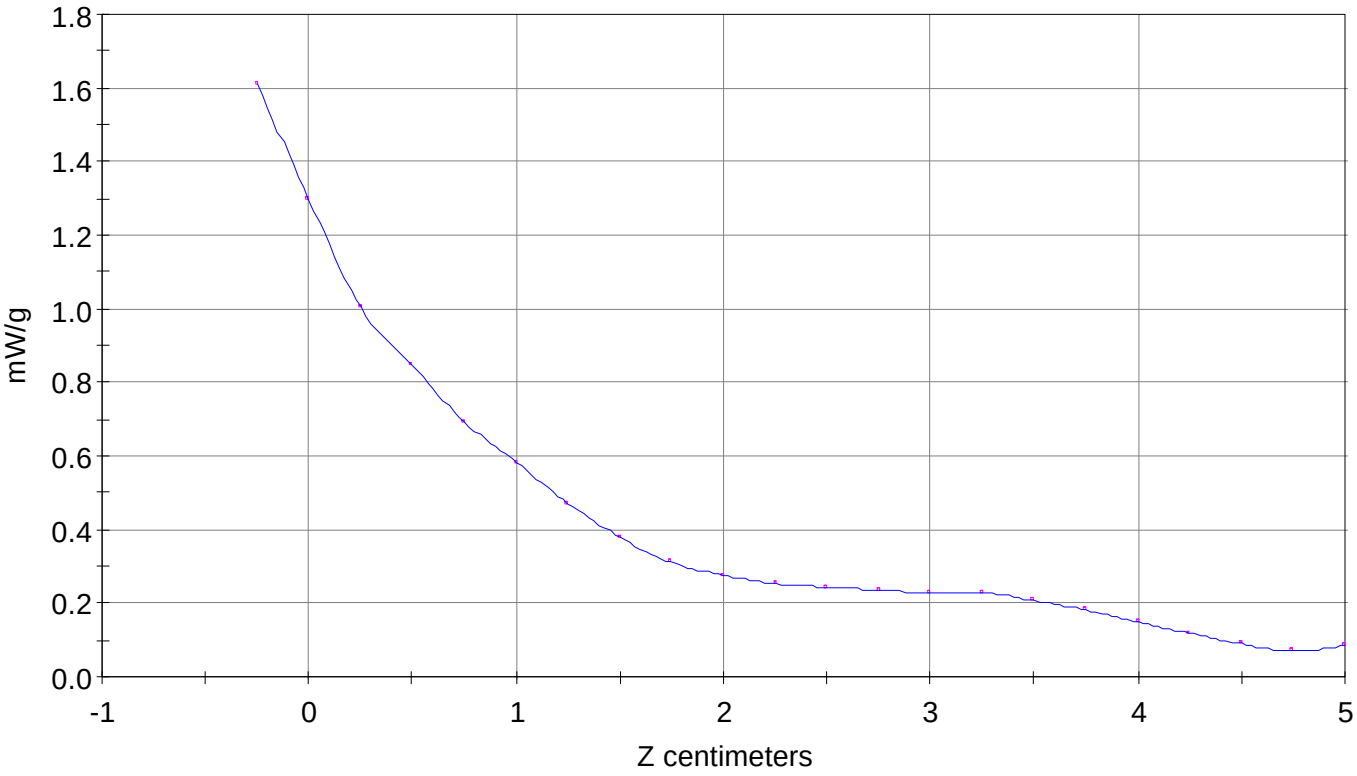
Calc. Voltage @ Surface (Vs) = 0.0221

Voltage @ 1.00 cm (Vt)   = 0.0095

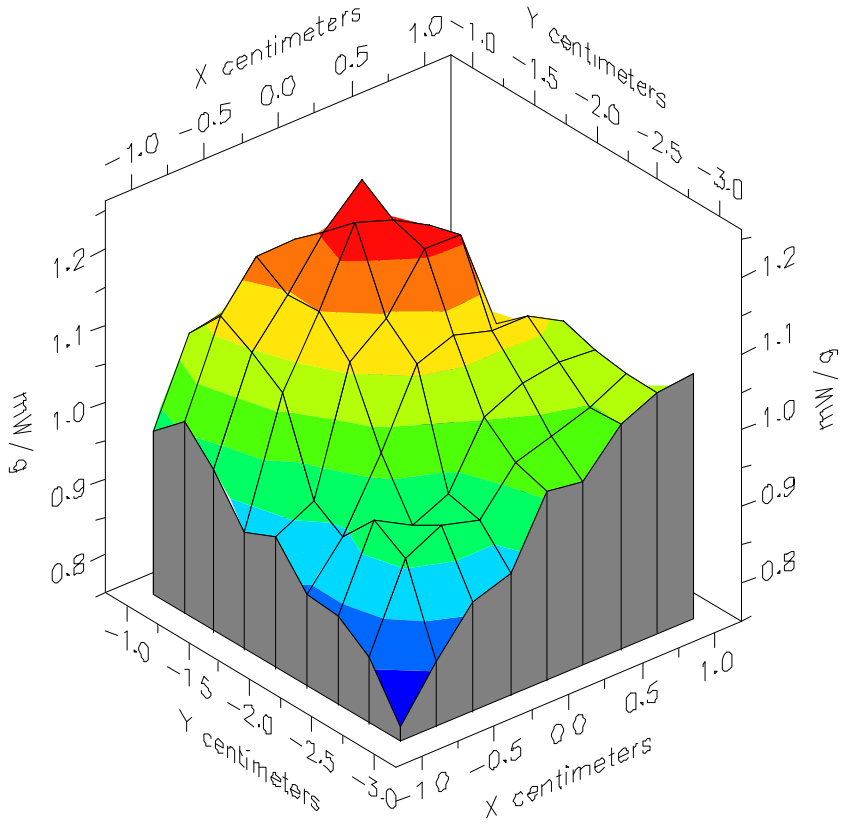
Ave. Voltage (Vs+Vt)/2   = 0.0158

Ave. SAR over 1 g (mW/g)   = 1.1507

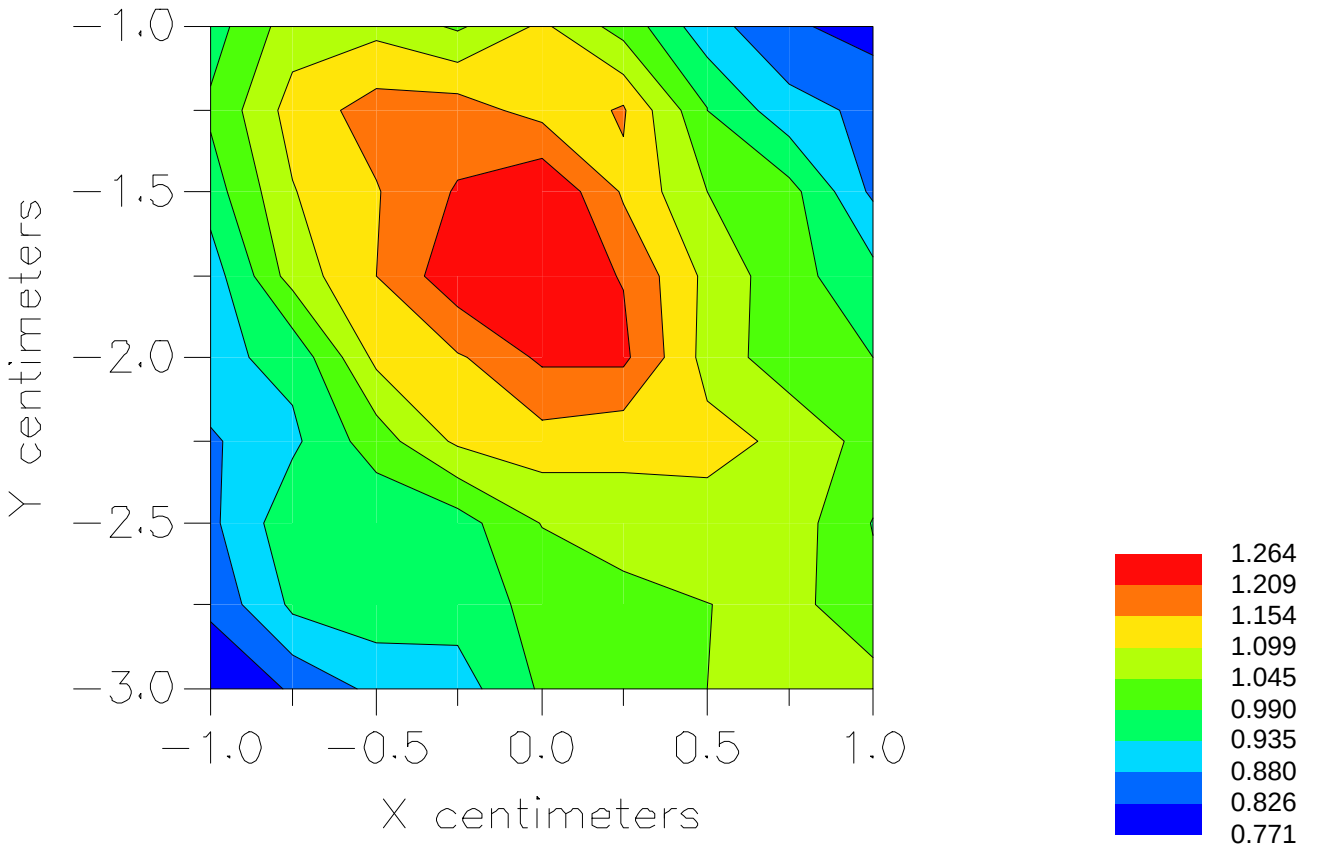
SAR Scan
File : 01062016_ZOOM
Start : 20-Jun-101 04:27:48 pm End : 20-Jun-101 04:37:05 pm
SAMSUNG/SPH-I300/1;836.49MHz;W;Helical/Out;
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/41.500/0.900



File : 01062016_ZOOM
Start : 20-Jun-101 04:27:48 pm End : 20-Jun-101 04:37:05 pm
SAMSUNG/SPH-I300/1;836.49MHz;W;Helical/Out;
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/41.500/0.900



File : 01062016_ZOOM
Start : 20-Jun-101 04:27:48 pm End : 20-Jun-101 04:37:05 pm
SAMSUNG/SPH-I300/1;836.49MHz;W;Helical/Out;
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/41.500/0.900



File : c:/idx3/SYSTEM/SARMEAS3/data/Normal/01062014_ZOOM.VLT
Start : 20-Jun-101 04:11:17 pm End : 20-Jun-101 04:20:36 pm

Radio Type   : SAMSUNG
Model Number   : SPH-I300
Serial Number   : 1
Frequency   : 848.97 MHz
Peak Trans. Pwr : 0.450 W
Start Trans. Pwr: 0.450 W
Antenna Type   : Helical
Antenna Posn.   : In
Phantom Type   : Head
Phantom Posn.   : Left Ear
Scan Type   : ZOOM/SAR
Probe Name   : PCTEST
Field Type   : E Field
Orientation   : 0 Degrees

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

Comment :
    SAMSUNG DUAL-BAND PHONE
    CH 799   Conducted 26.5 dBm
    SAMSUNG DUAL-BAND 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 =   0.000, Y = -2.000, Z =   0.000   (cm) Value = 16.656

Measured Values (volts) =
  1.650E-002 1.326E-002 1.064E-002 8.836E-003 7.221E-003 5.959E-003
  4.698E-003 3.848E-003 3.110E-003 2.688E-003 2.472E-003 2.369E-003
  2.313E-003 2.230E-003 1.970E-003 1.688E-003 1.309E-003 7.008E-004
  5.579E-004 3.543E-004 2.084E-004

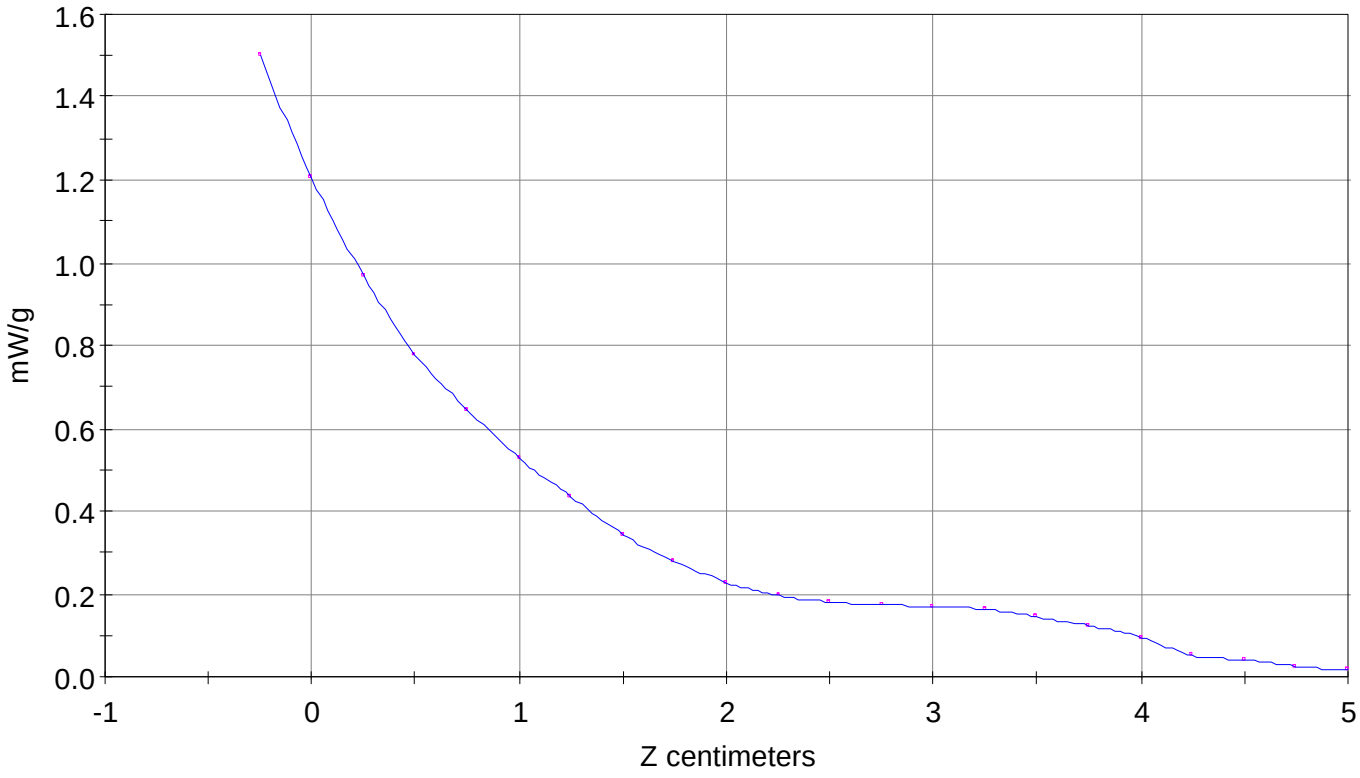
Calc. Voltage @ Surface (Vs) = 0.0206

Voltage @ 1.00 cm (Vt)   = 0.0088

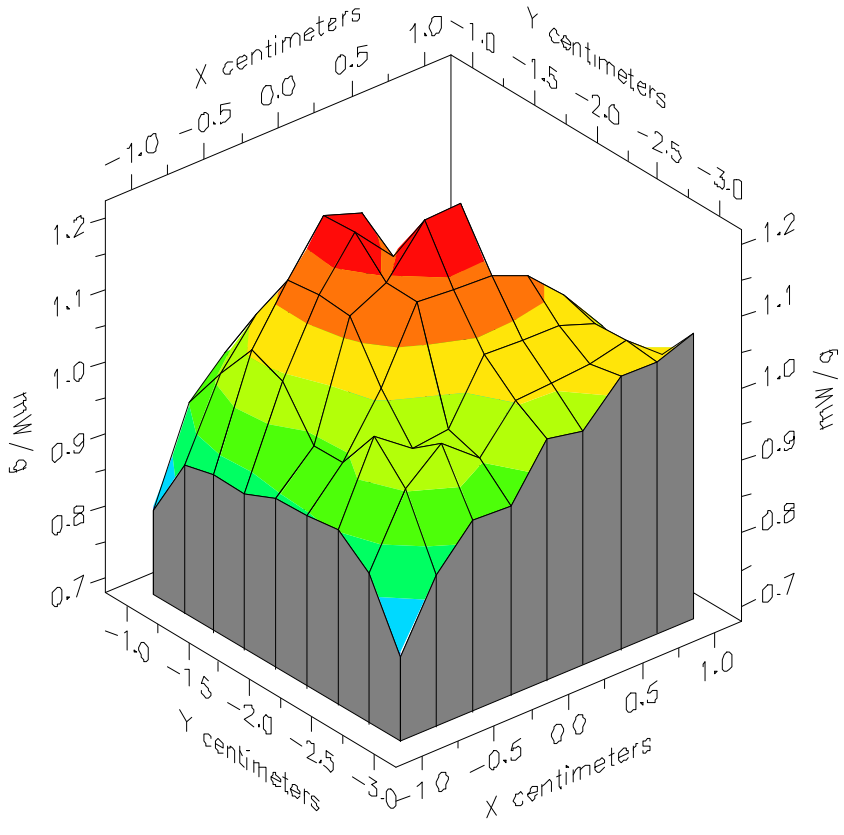
Ave. Voltage (Vs+Vt)/2   = 0.0147

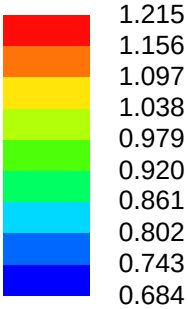
Ave. SAR over 1 g (mW/g)   = 1.0723

SAR Scan
File : 01062014_ZOOM
Start : 20-Jun-101 04:11:17 pm End : 20-Jun-101 04:20:36 pm
SAMSUNG/SPH-I300/1;848.97MHz;W;Helical/In;
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/41.500/0.900

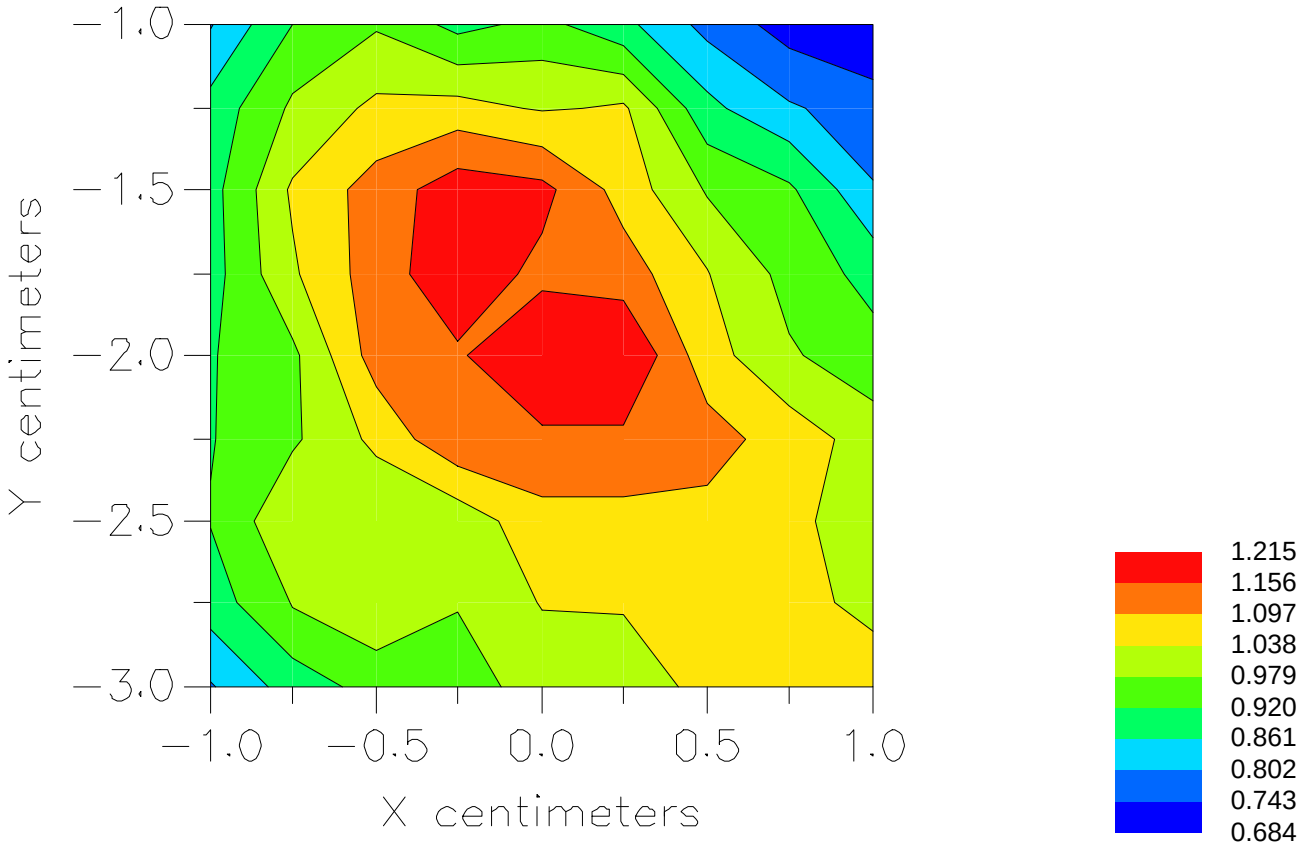


File : 01062014_ZOOM
Start : 20-Jun-101 04:11:17 pm End : 20-Jun-101 04:20:36 pm
SAMSUNG/SPH-I300/1;848.97MHz;W;Helical/In;
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/41.500/0.900





File : 01062014_ZOOM
Start : 20-Jun-101 04:11:17 pm End : 20-Jun-101 04:20:36 pm
SAMSUNG/SPH-I300/1;848.97MHz;W;Helical/In;
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/41.500/0.900



File : c:/idx3/SYSTEM/SARMEAS3/data/Normal/01062019_ZOOM.VLT
Start : 20-Jun-101 05:01:51 pm End : 20-Jun-101 05:11:11 pm

Radio Type   : SAMSUNG
Model Number   : SPH-I300
Serial Number   : 1
Frequency   : 848.97 MHz
Peak Trans. Pwr : 0.450 W
Start Trans. Pwr: 0.450 W
Antenna Type   : Helical
Antenna Posn.   : Out
Phantom Type   : Head
Phantom Posn.   : Left Ear
Scan Type   : ZOOM/SAR
Probe Name   : PCTEST
Field Type   : E Field
Orientation   : 0 Degrees

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

Comment :
    SAMSUNG DUAL-BAND PHONE
    CH 799   Conducted 26.5 dBm
    SAMSUNG DUAL-BAND 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 = -0.250, Y = -1.500, Z =   0.000   (cm) Value = 18.920

Measured Values (volts) =
  1.580E-002 1.307E-002 1.091E-002 9.306E-003 7.729E-003 6.424E-003
  5.244E-003 4.528E-003 3.793E-003 3.459E-003 3.367E-003 3.381E-003
  3.602E-003 3.325E-003 3.155E-003 2.706E-003 2.262E-003 1.785E-003
  1.496E-003 1.356E-003 9.652E-004

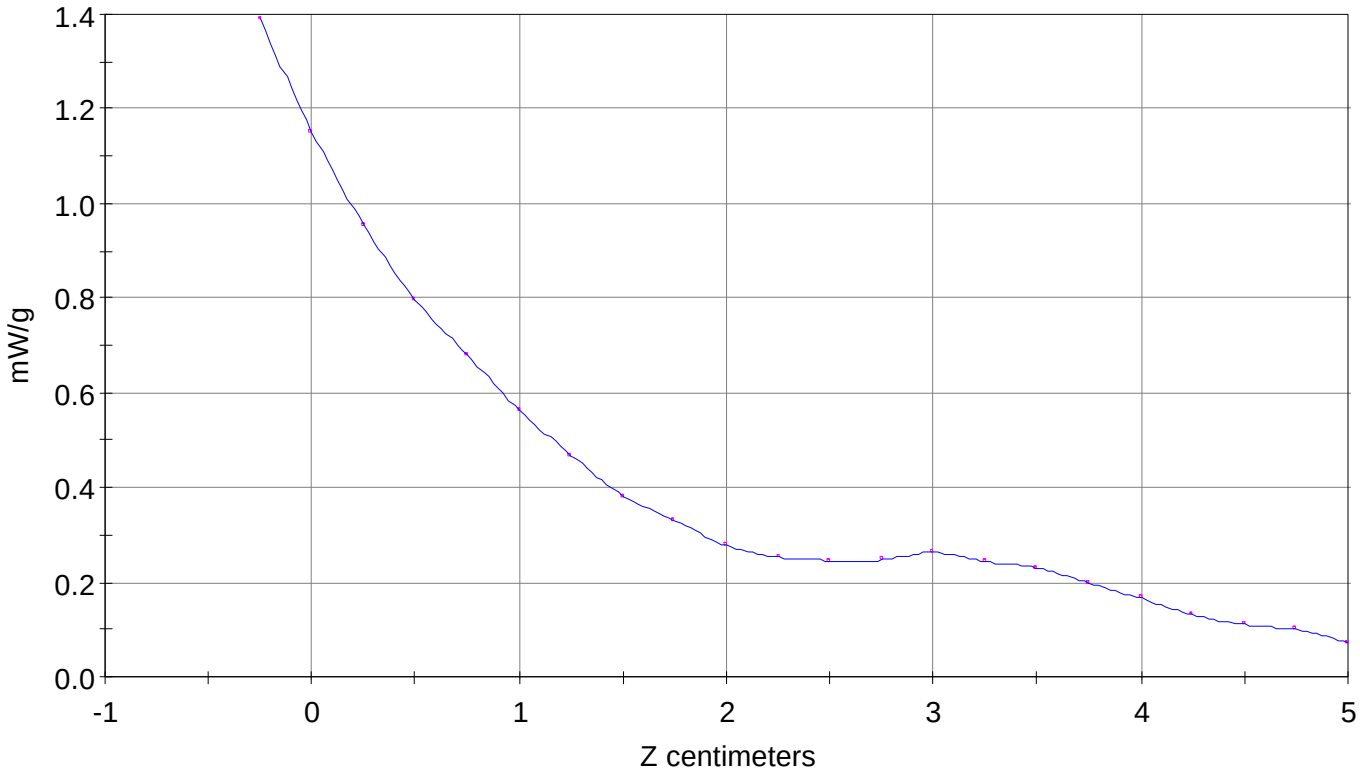
Calc. Voltage @ Surface (Vs) = 0.0190

Voltage @ 1.00 cm (Vt)   = 0.0093

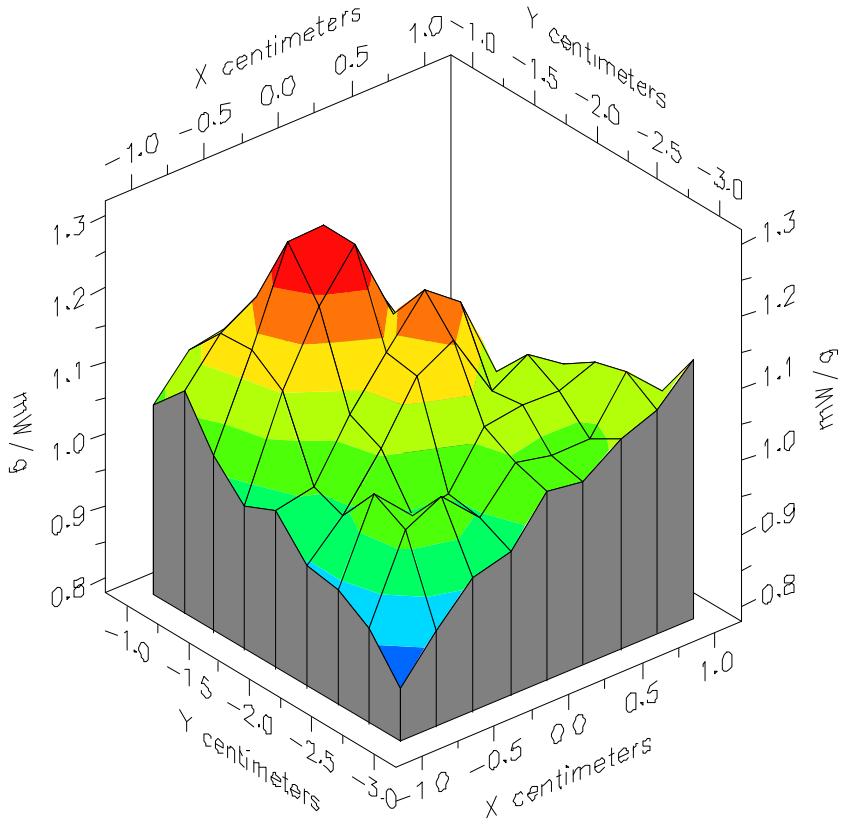
Ave. Voltage (Vs+Vt)/2   = 0.0142

Ave. SAR over 1 g (mW/g)   = 1.0334

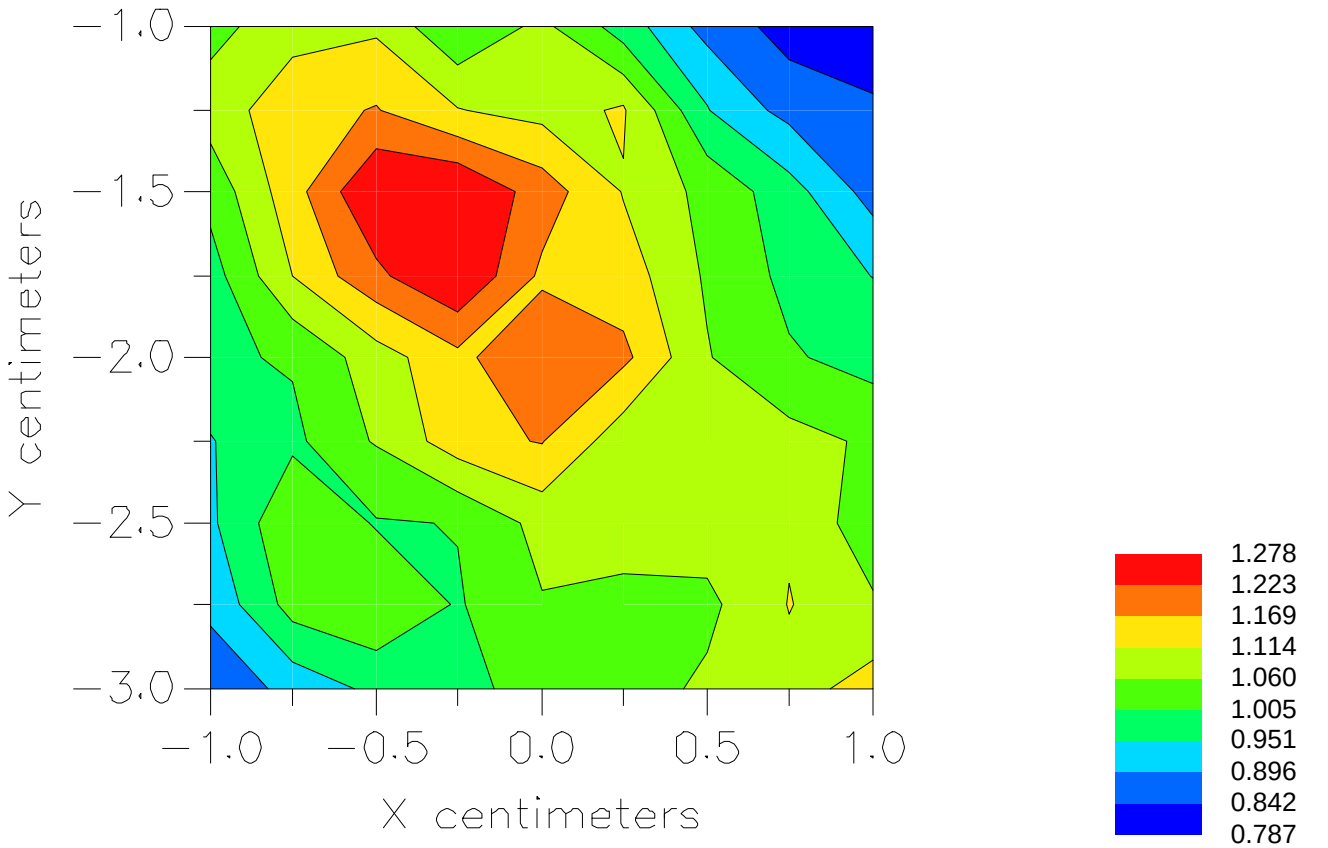
SAR Scan
File : 01062019_ZOOM
Start : 20-Jun-101 05:01:51 pm End : 20-Jun-101 05:11:11 pm
SAMSUNG/SPH-I300/1;848.97MHz;W;Helical/Out;
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/41.500/0.900



File : 01062019_ZOOM
Start : 20-Jun-101 05:01:51 pm End : 20-Jun-101 05:11:11 pm
SAMSUNG/SPH-I300/1;848.97MHz;W;Helical/Out;
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/41.500/0.900

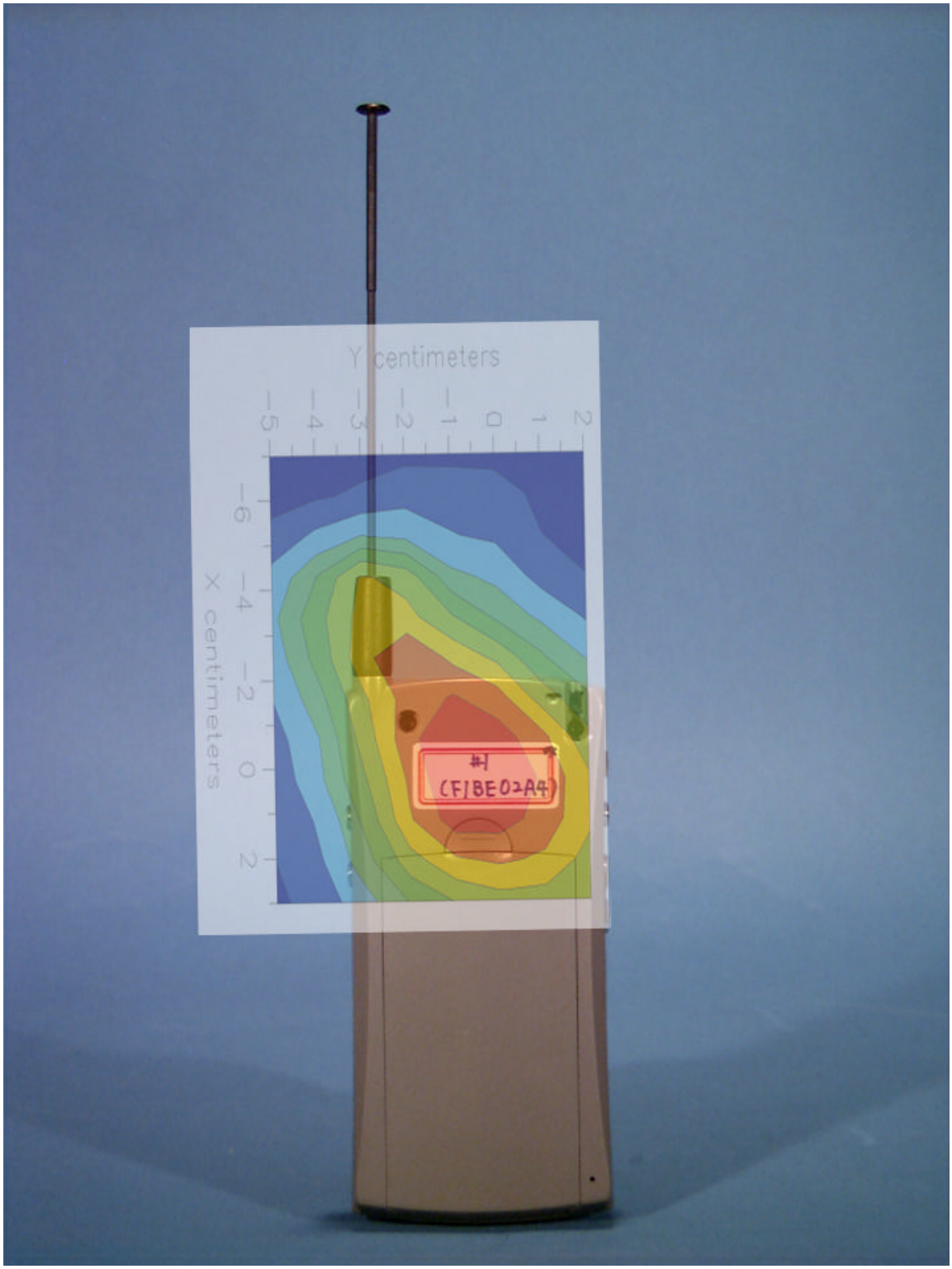


File : 01062019_ZOOM
Start : 20-Jun-101 05:01:51 pm End : 20-Jun-101 05:11:11 pm
SAMSUNG/SPH-I300/1;848.97MHz;W;Helical/Out;
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/41.500/0.900



Peak SAR Location

800 MHz Body SAR



File : c:/idx3/SYSTEM/SARMEAS3/data/Normal/01062217_ZOOM.VLT
Start : 22-Jun-101 03:03:46 pm End : 22-Jun-101 03:16:38 pm

Radio Type   : SAMSUNG
Model Number   : SPH-I300
Serial Number   : 1
Frequency   : 824.04 MHz
Peak Trans. Pwr : 0.450 W
Start Trans. Pwr: 0.450 W
Antenna Type   : Helical
Antenna Posn.   : In
Phantom Type   : Body
Phantom Posn.   : Abdomen
Scan Type   : ZOOM/SAR
Probe Name   : PCTEST
Field Type   : E Field
Orientation   : 0 Degrees

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

Comment :
    SAMSUNG DUAL-BAND PHONE - FM MODE
    CH 0991   Conducted 26.5 dBm
    SAMSUNG DUAL-BAND PHONE - BODY SAR

Robot   : PCTEST

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

PCTEST   Amplifier Channel Settings : 0.166   0.135   0.132

Max Location : X =   0.500, Y = -0.750, Z =   0.000   (cm) Value = 14.738

Measured Values (volts) =
  1.482E-002 1.361E-002 1.112E-002 9.348E-003 8.197E-003 7.328E-003
  6.809E-003 6.566E-003 6.414E-003 6.277E-003 5.902E-003 5.295E-003
  4.430E-003 3.636E-003 2.705E-003 2.145E-003 1.889E-003 1.928E-003
  2.293E-003 2.729E-003 3.062E-003

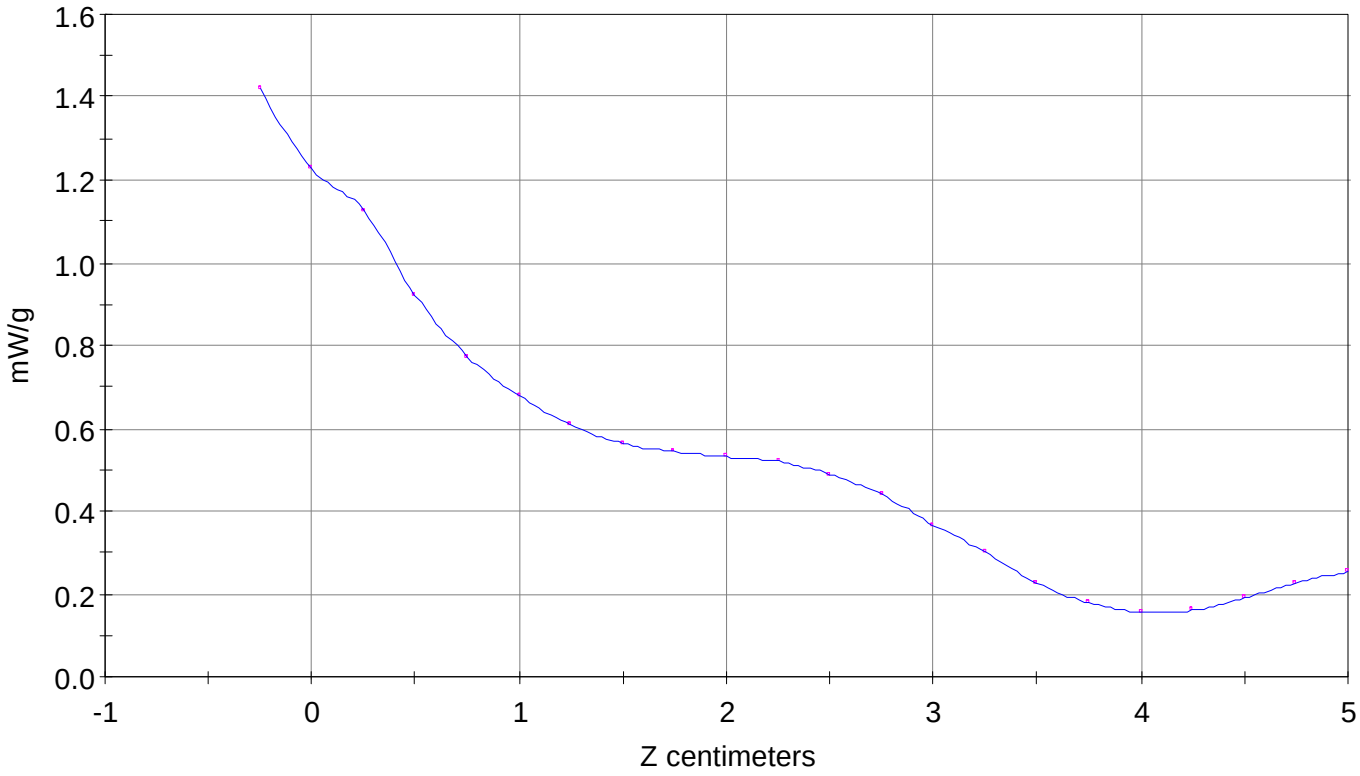
Calc. Voltage @ Surface (Vs) = 0.0171

Voltage @ 1.00 cm (Vt)   = 0.0093

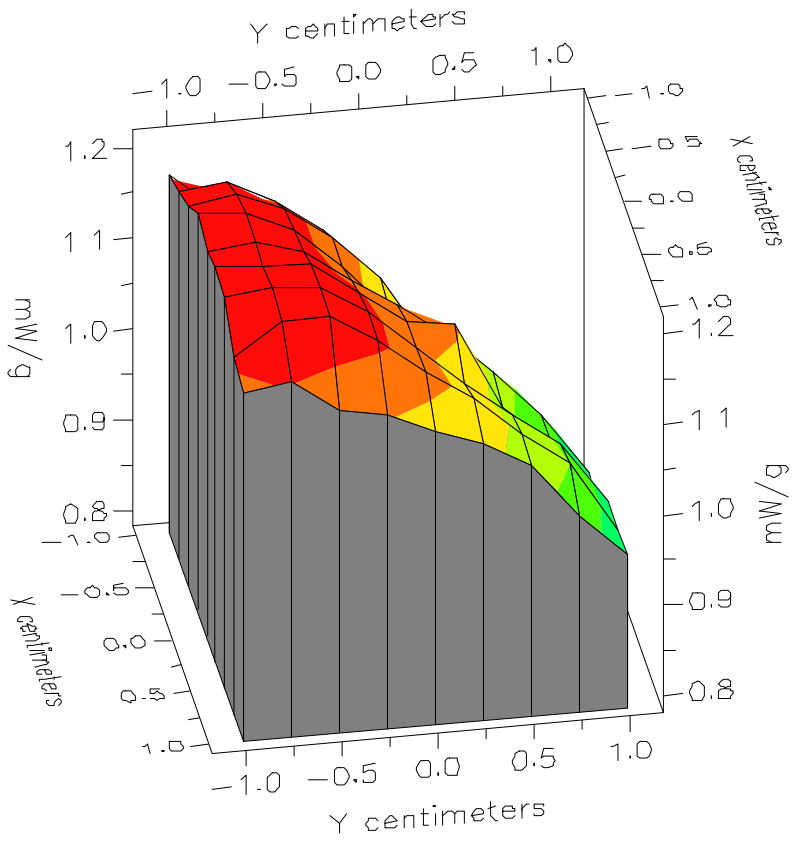
Ave. Voltage (Vs+Vt)/2   = 0.0132

Ave. SAR over 1 g (mW/g)   = 1.0962

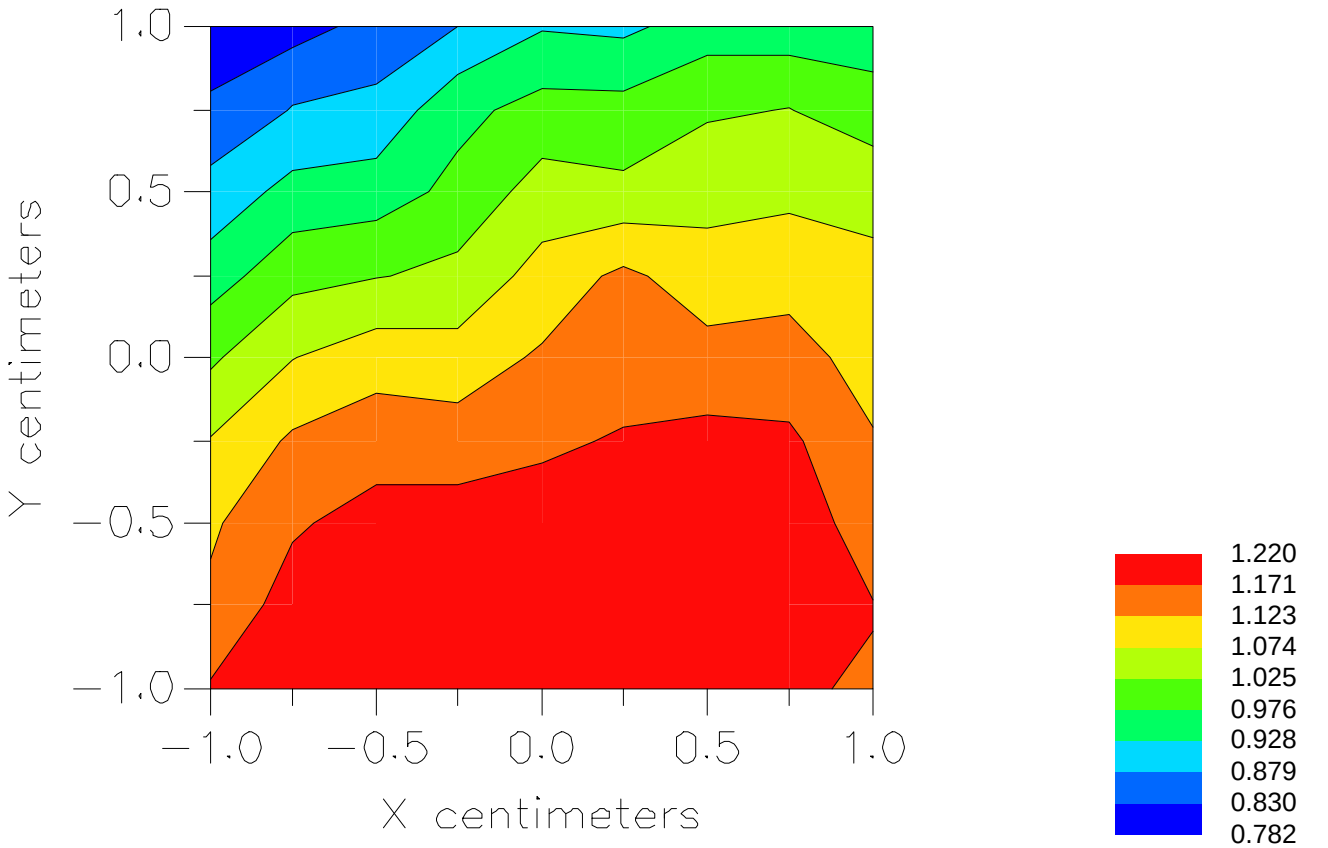
SAR Scan
File : 01062217_ZOOM
Start : 22-Jun-101 03:03:46 pm End : 22-Jun-101 03:16:38 pm
SAMSUNG/SPH-I300/1;824.04MHz;W;Helical/In;
Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 DegreesMuscle/51.700/1.100



File : 01062217_ZOOM
Start : 22-Jun-101 03:03:46 pm End : 22-Jun-101 03:16:38 pm
SAMSUNG/SPH-I300/1;824.04MHz;W;Helical/In;
Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 DegreesMuscle/51.700/1.100



File : 01062217_ZOOM
Start : 22-Jun-101 03:03:46 pm End : 22-Jun-101 03:16:38 pm
SAMSUNG/SPH-I300/1;824.04MHz;W;Helical/In;
Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 DegreesMuscle/51.700/1.100



File : c:/idx3/SYSTEM/SARMEAS3/data/Normal/01062219_ZOOM.VLT
Start : 22-Jun-101 03:42:22 pm End : 22-Jun-101 03:53:02 pm

Radio Type   : SAMSUNG
Model Number   : SPH-I300
Serial Number   : 1
Frequency   : 824.04 MHz
Peak Trans. Pwr : 0.450 W
Start Trans. Pwr: 0.450 W
Antenna Type   : Helical
Antenna Posn.   : Out
Phantom Type   : Body
Phantom Posn.   : Abdomen
Scan Type   : ZOOM/SAR
Probe Name   : PCTEST
Field Type   : E Field
Orientation   : 0 Degrees

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

Comment :
    SAMSUNG DUAL-BAND PHONE - FM MODE
    CH 0991   Conducted 26.5 dBm
    SAMSUNG DUAL-BAND 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 = -5.500, Y = -3.000, Z =   0.000   (cm) Value = 16.966

Measured Values (volts) =
  1.588E-002 1.467E-002 1.266E-002 1.011E-002 7.933E-003 5.651E-003
  3.844E-003 2.583E-003 2.896E-003 3.475E-003 4.449E-003 5.522E-003
  5.955E-003 5.204E-003 3.796E-003 2.696E-003 1.794E-003 1.775E-003
  1.433E-003 1.394E-003 1.527E-003

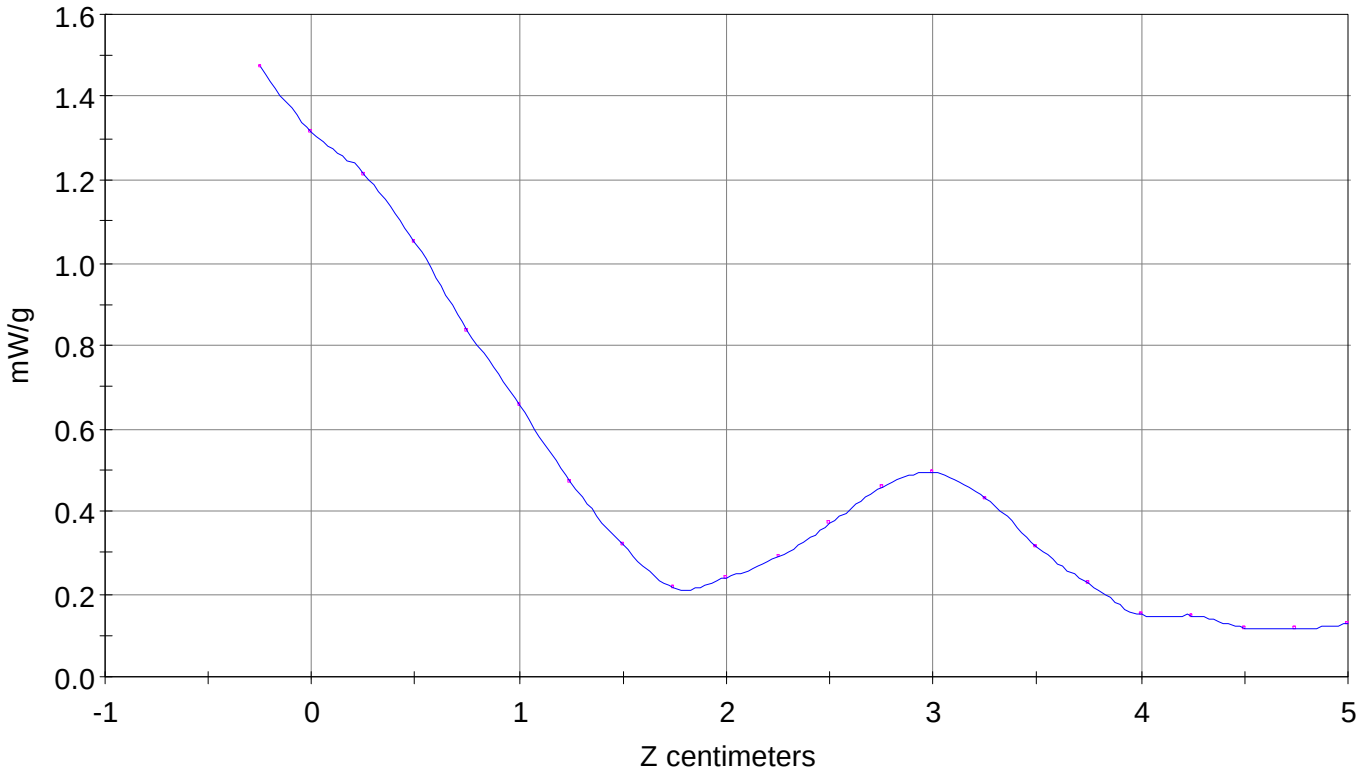
Calc. Voltage @ Surface (Vs) = 0.0178

Voltage @ 1.00 cm (Vt)   = 0.0101

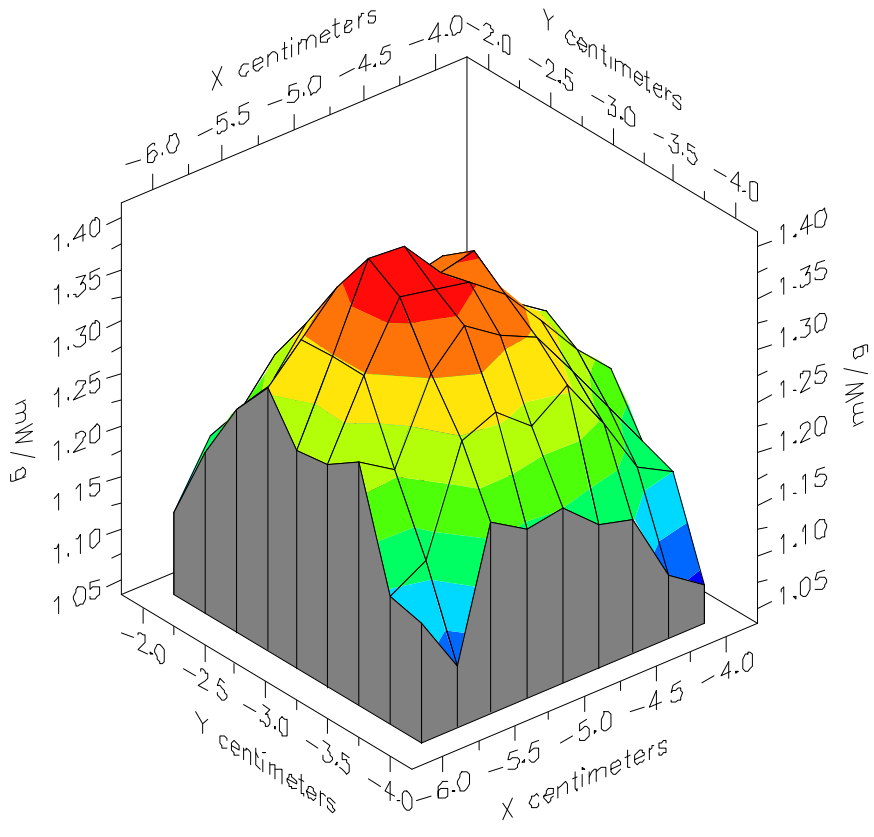
Ave. Voltage (Vs+Vt)/2   = 0.0140

Ave. SAR over 1 g (mW/g)   = 1.1554

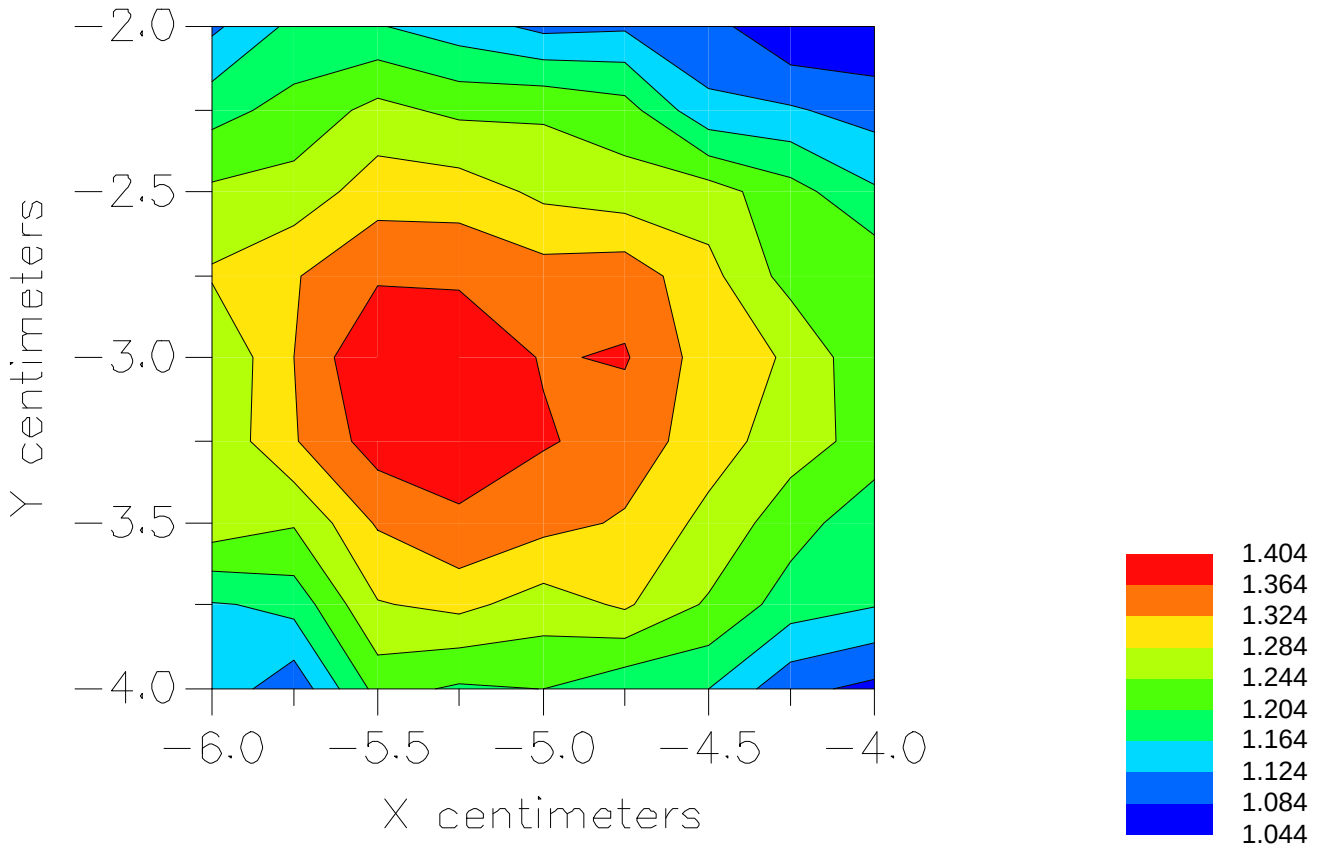
SAR Scan
File : 01062219_ZOOM
Start : 22-Jun-101 03:42:22 pm End : 22-Jun-101 03:53:02 pm
SAMSUNG/SPH-I300/1;824.04MHz;W;Helical/Out;
Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 DegreesMuscle/51.700/1.100



File : 01062219_ZOOM
Start : 22-Jun-101 03:42:22 pm End : 22-Jun-101 03:53:02 pm
SAMSUNG/SPH-I300/1;824.04MHz;W;Helical/Out;
Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 DegreesMuscle/51.700/1.100



File : 01062219_ZOOM
Start : 22-Jun-101 03:42:22 pm End : 22-Jun-101 03:53:02 pm
SAMSUNG/SPH-I300/1;824.04MHz;W;Helical/Out;
Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 DegreesMuscle/51.700/1.100



File : c:/idx3/SYSTEM/SARMEAS3/data/Normal/01062228_ZOOM.VLT
Start : 22-Jun-101 05:11:46 pm End : 22-Jun-101 05:20:04 pm

Radio Type   : SAMSUNG
Model Number   : SPH-I300
Serial Number   : 1
Frequency   : 836.49 MHz
Peak Trans. Pwr : 0.450 W
Start Trans. Pwr: 0.450 W
Antenna Type   : Helical
Antenna Posn.   : In
Phantom Type   : Body
Phantom Posn.   : Abdomen
Scan Type   : ZOOM/SAR
Probe Name   : PCTEST
Field Type   : E Field
Orientation   : 0 Degrees

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

Comment :
    SAMSUNG DUAL-BAND PHONE - FM MODE
    CH 383   Conducted 26.5 dBm
    SAMSUNG DUAL-BAND 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 = 13.209

Measured Values (volts) =
  1.273E-002 1.157E-002 9.349E-003 8.102E-003 7.158E-003 6.566E-003
  6.220E-003 6.049E-003 5.907E-003 5.680E-003 5.232E-003 4.598E-003
  3.861E-003 3.107E-003 2.411E-003 2.001E-003 1.859E-003 2.045E-003
  2.360E-003 2.754E-003 3.000E-003

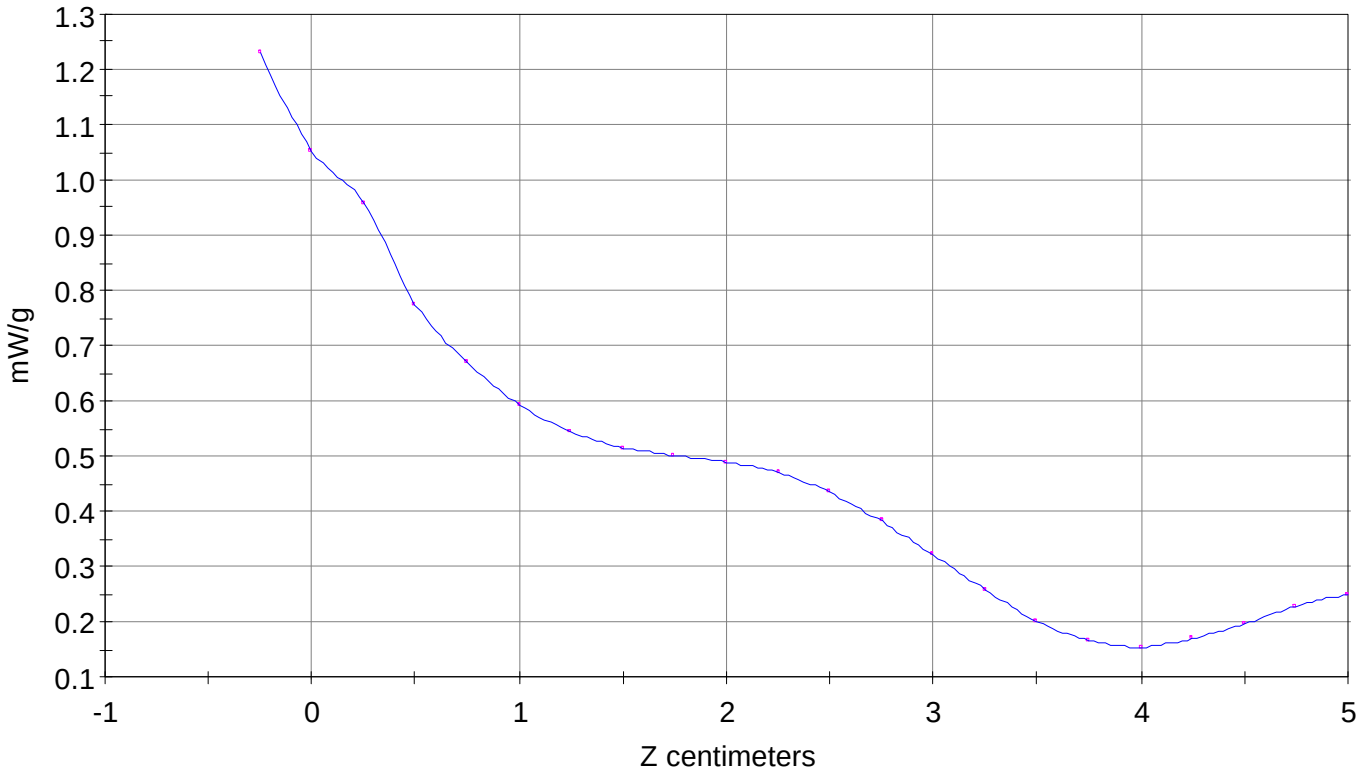
Calc. Voltage @ Surface (Vs) = 0.0149

Voltage @ 1.00 cm (Vt)   = 0.0081

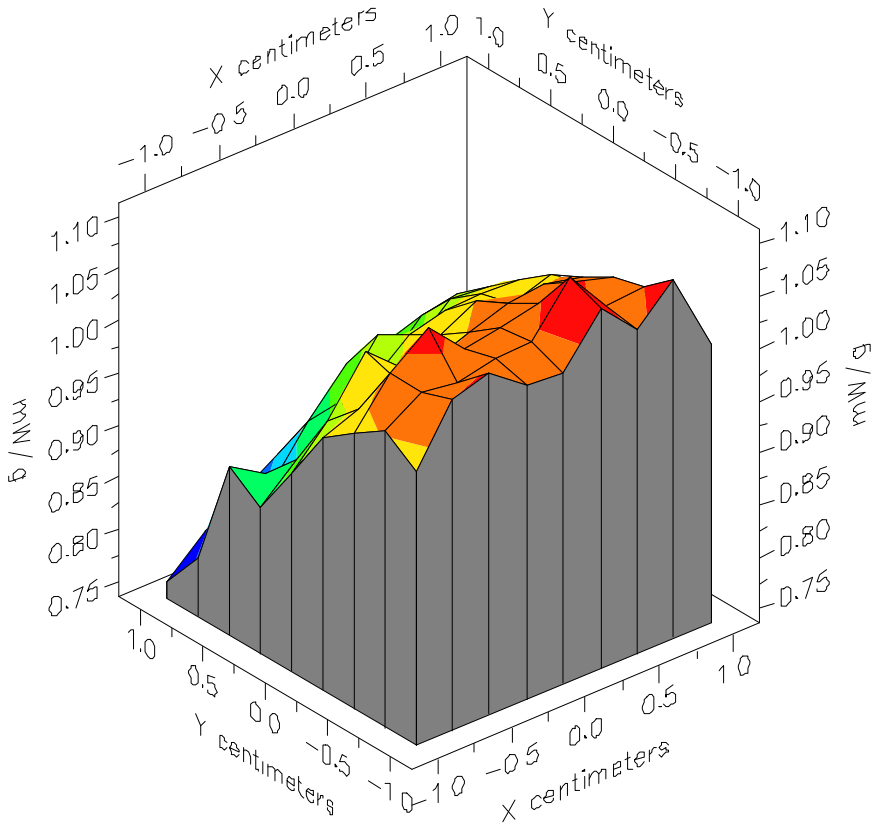
Ave. Voltage (Vs+Vt)/2   = 0.0115

Ave. SAR over 1 g (mW/g)   = 0.9512

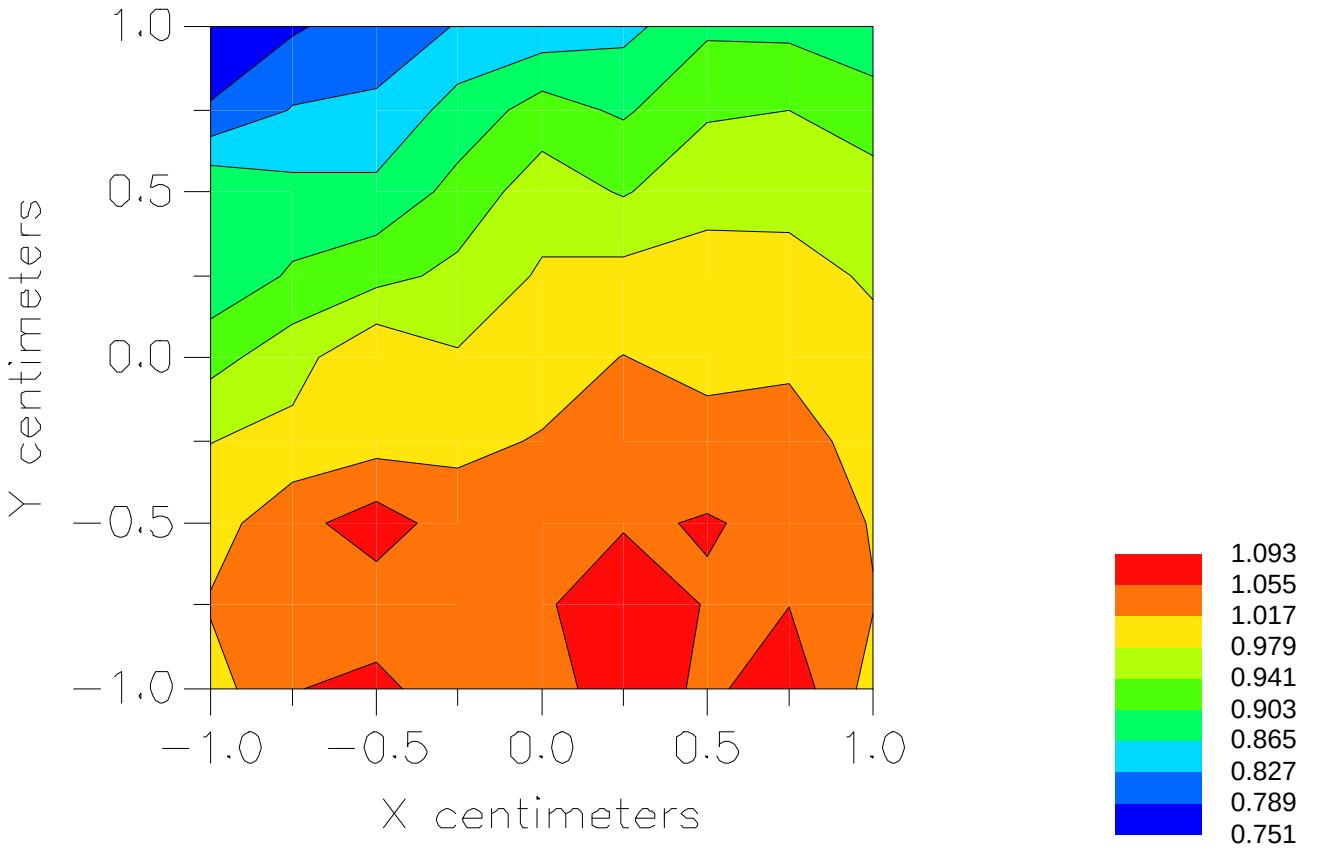
SAR Scan
File : 01062228_ZOOM
Start : 22-Jun-101 05:11:46 pm End : 22-Jun-101 05:20:04 pm
SAMSUNG/SPH-I300/1;836.49MHz;W;Helical/In;
Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 DegreesMuscle/51.700/1.100



File : 01062228_ZOOM
Start : 22-Jun-101 05:11:46 pm End : 22-Jun-101 05:20:04 pm
SAMSUNG/SPH-I300/1;836.49MHz;W;Helical/In;
Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 DegreesMuscle/51.700/1.100



File : 01062228_ZOOM
Start : 22-Jun-101 05:11:46 pm End : 22-Jun-101 05:20:04 pm
SAMSUNG/SPH-I300/1;836.49MHz;W;Helical/In;
Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 DegreesMuscle/51.700/1.100



File : c:/idx3/SYSTEM/SARMEAS3/data/Normal/01062224_ZOOM.VLT
Start : 22-Jun-101 04:21:35 pm End : 22-Jun-101 04:29:31 pm

Radio Type   : SAMSUNG
Model Number   : SPH-I300
Serial Number   : 1
Frequency   : 836.49 MHz
Peak Trans. Pwr : 0.450 W
Start Trans. Pwr: 0.450 W
Antenna Type   : Helical
Antenna Posn.   : Out
Phantom Type   : Body
Phantom Posn.   : Abdomen
Scan Type   : ZOOM/SAR
Probe Name   : PCTEST
Field Type   : E Field
Orientation   : 0 Degrees

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

Comment :
    SAMSUNG DUAL-BAND PHONE - FM MODE
    CH 0383   Conducted 26.5 dBm
    SAMSUNG DUAL-BAND 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 = -5.500, Y = -3.250, Z =   0.000   (cm) Value = 15.936

Measured Values (volts) =
  1.567E-002 1.418E-002 1.193E-002 9.806E-003 7.835E-003 6.032E-003
  4.552E-003 3.721E-003 3.390E-003 3.622E-003 4.120E-003 4.668E-003
  4.819E-003 4.319E-003 3.312E-003 2.566E-003 1.528E-003 1.427E-003
  1.294E-003 1.235E-003 1.164E-003

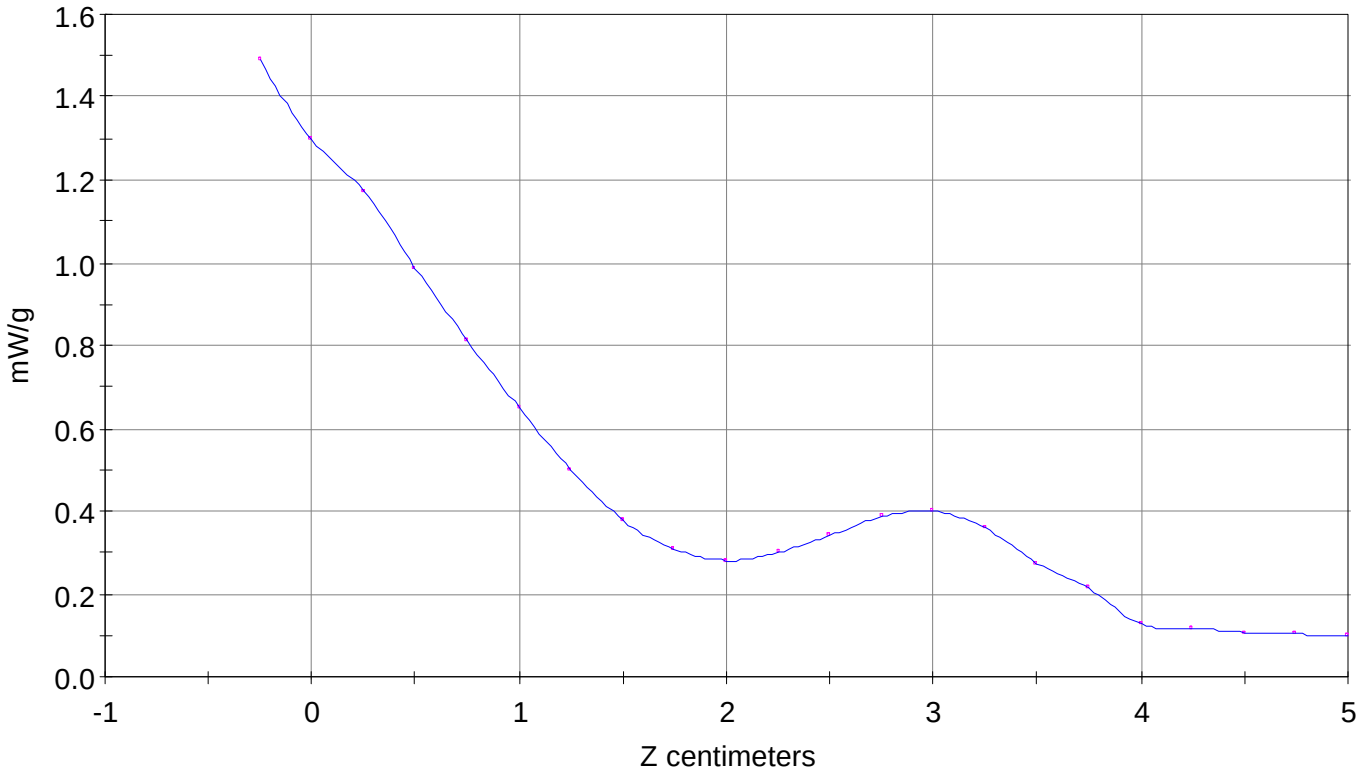
Calc. Voltage @ Surface (Vs) = 0.0180

Voltage @ 1.00 cm (Vt)   = 0.0098

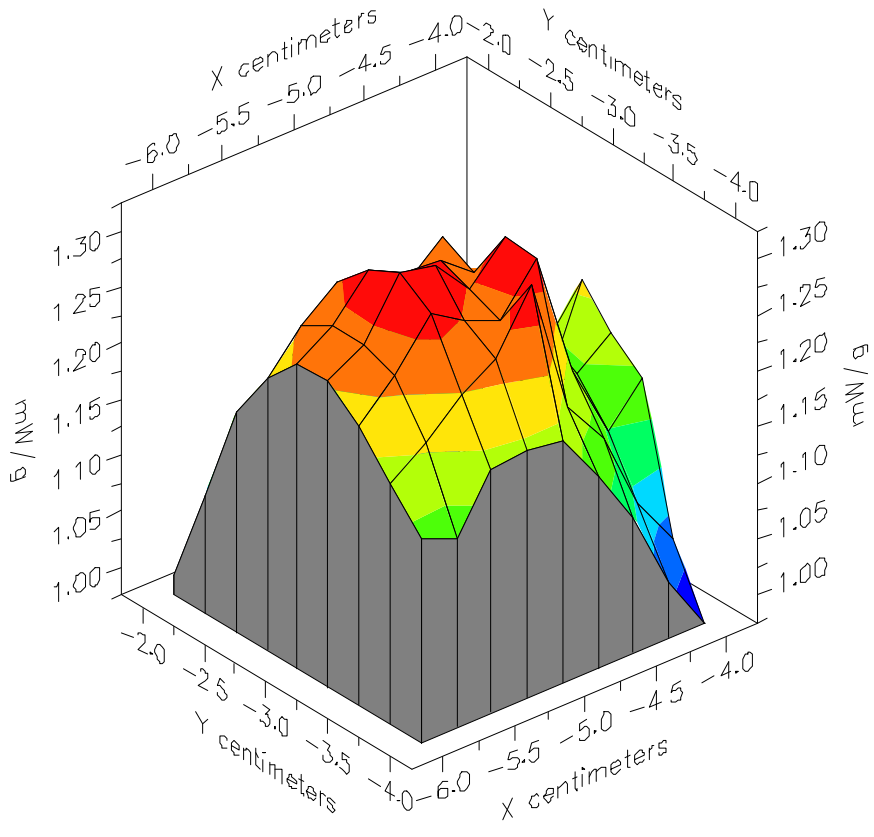
Ave. Voltage (Vs+Vt)/2   = 0.0139

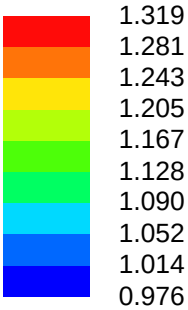
Ave. SAR over 1 g (mW/g)   = 1.1495

SAR Scan
File : 01062224_ZOOM
Start : 22-Jun-101 04:21:35 pm End : 22-Jun-101 04:29:31 pm
SAMSUNG/SPH-I300/1;836.49MHz;W;Helical/Out;
Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 DegreesMuscle/51.700/1.100

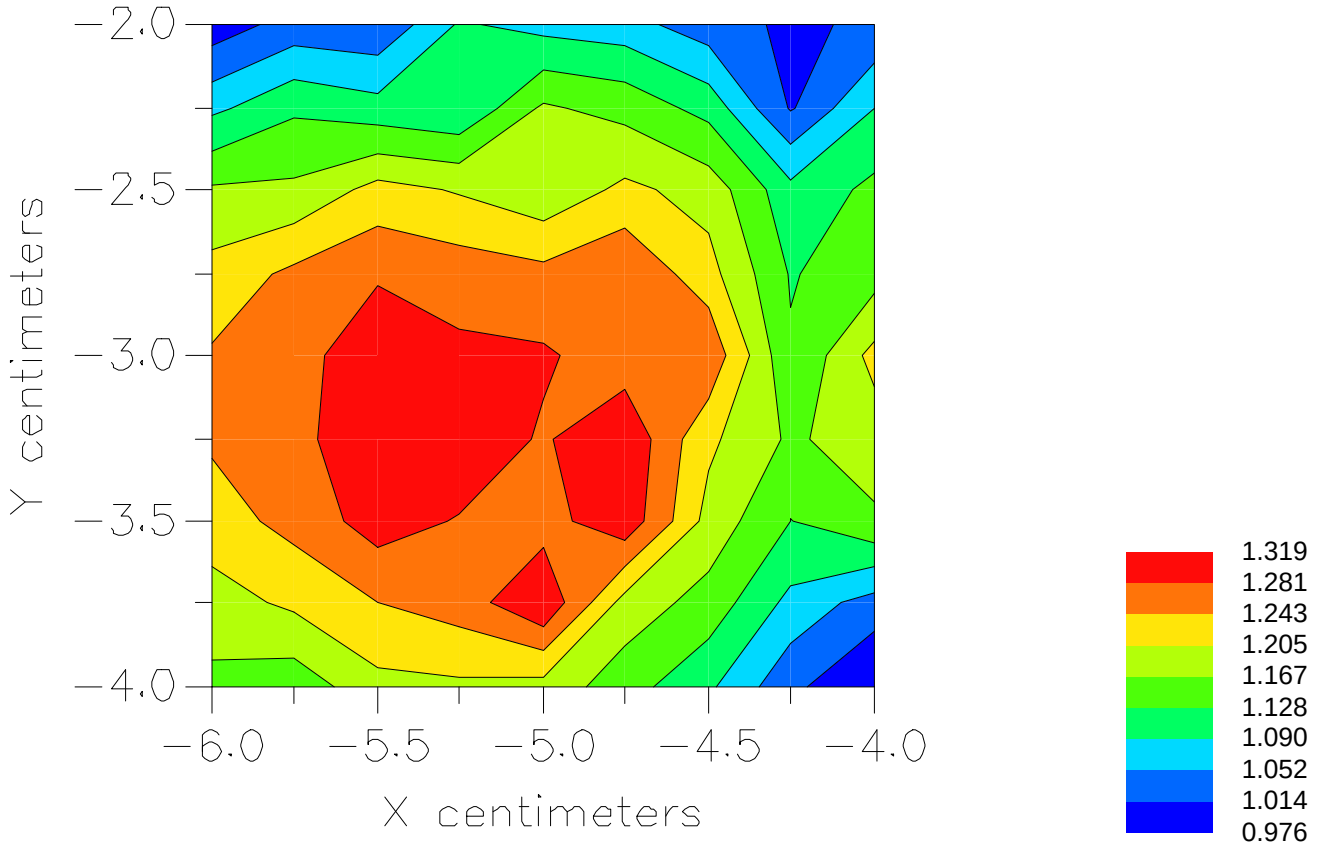


File : 01062224_ZOOM
Start : 22-Jun-101 04:21:35 pm End : 22-Jun-101 04:29:31 pm
SAMSUNG/SPH-I300/1;836.49MHz;W;Helical/Out;
Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 DegreesMuscle/51.700/1.100





File : 01062224_ZOOM
Start : 22-Jun-101 04:21:35 pm End : 22-Jun-101 04:29:31 pm
SAMSUNG/SPH-I300/1;836.49MHz;W;Helical/Out;
Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 DegreesMuscle/51.700/1.100



File : c:/idx3/SYSTEM/SARMEAS3/data/Normal/01062226_ZOOM.VLT
Start : 22-Jun-101 04:41:12 pm End : 22-Jun-101 04:54:14 pm

Radio Type   : SAMSUNG
Model Number   : SPH-I300
Serial Number   : 1
Frequency   : 848.97 MHz
Peak Trans. Pwr : 0.450 W
Start Trans. Pwr: 0.450 W
Antenna Type   : Helical
Antenna Posn.   : In
Phantom Type   : Body
Phantom Posn.   : Abdomen
Scan Type   : ZOOM/SAR
Probe Name   : PCTEST
Field Type   : E Field
Orientation   : 0 Degrees

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

Comment :
    SAMSUNG DUAL-BAND PHONE - FM MODE
    CH 0799   Conducted 26.5 dBm
    SAMSUNG DUAL-BAND PHONE - BODY SAR

Robot   : PCTEST

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

PCTEST   Amplifier Channel Settings : 0.166   0.135   0.132

Max Location : X = -0.750, Y = -0.750, Z =   0.000   (cm) Value = 12.399

Measured Values (volts) =
  1.137E-002 9.486E-003 7.923E-003 6.885E-003 6.304E-003 5.949E-003
  5.733E-003 5.511E-003 5.169E-003 4.742E-003 4.127E-003 3.414E-003
  2.719E-003 2.188E-003 1.830E-003 1.764E-003 1.960E-003 2.277E-003
  2.549E-003 2.684E-003 2.515E-003

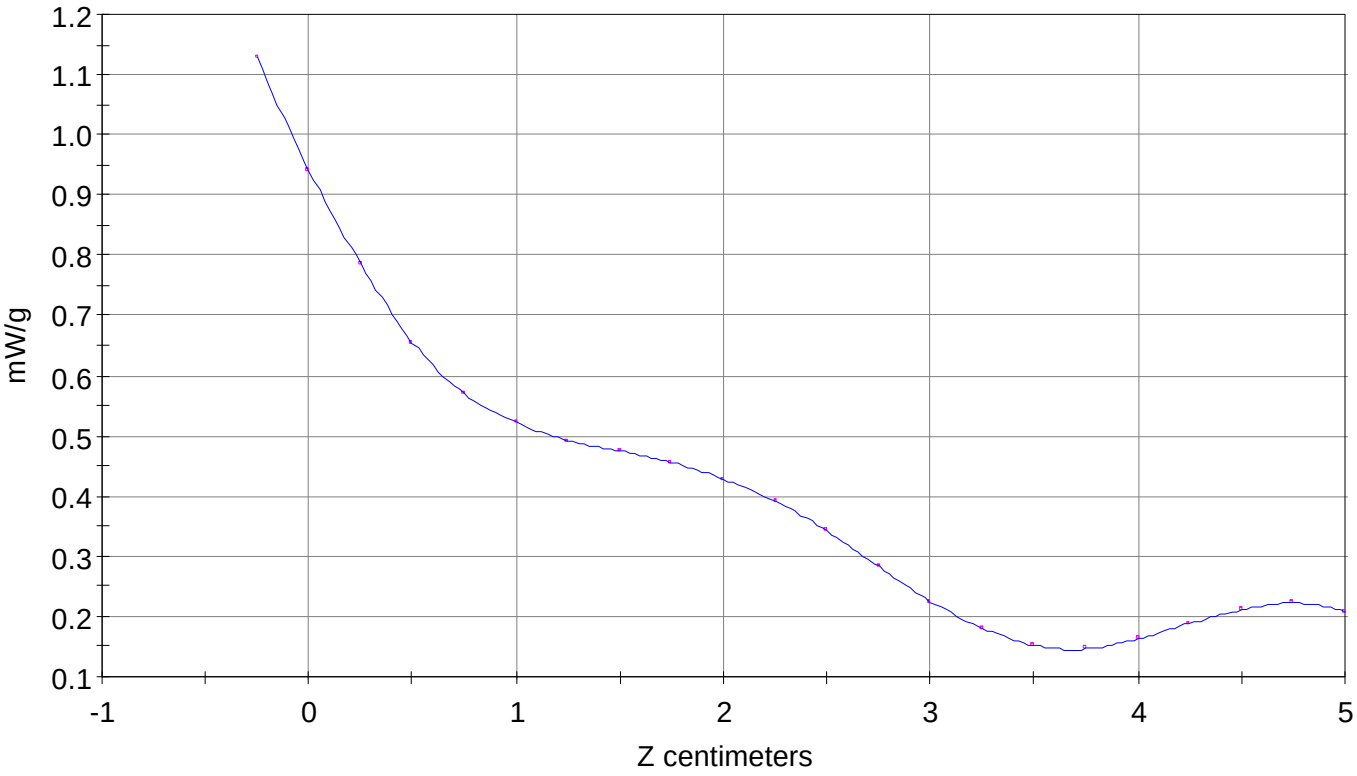
Calc. Voltage @ Surface (Vs) = 0.0136

Voltage @ 1.00 cm (Vt)   = 0.0069

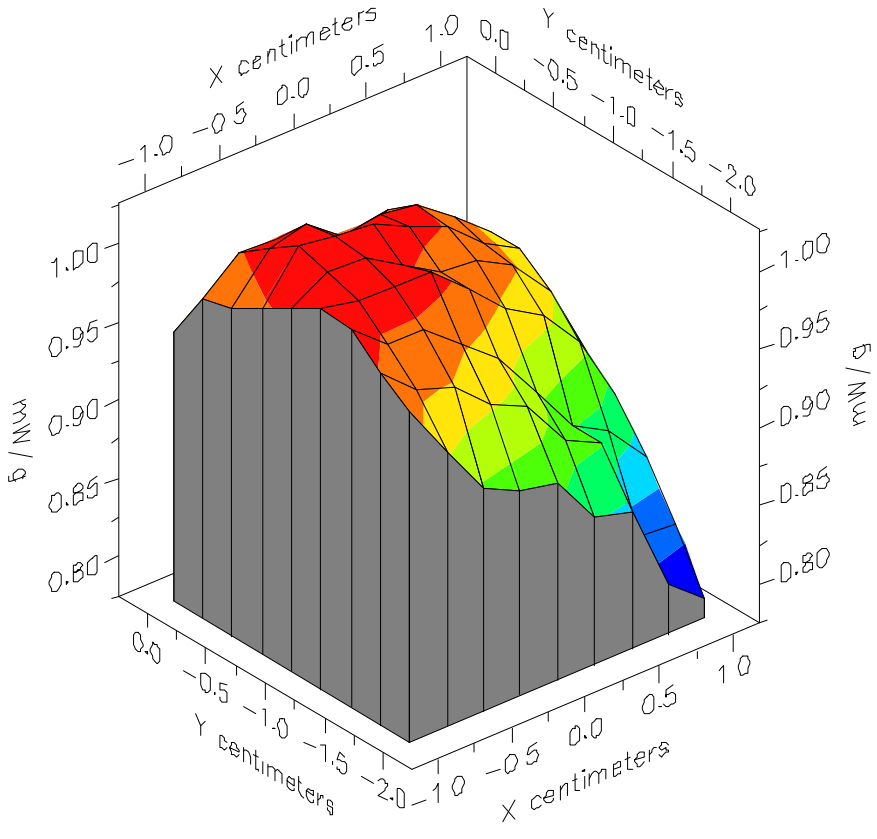
Ave. Voltage (Vs+Vt)/2   = 0.0102

Ave. SAR over 1 g (mW/g)   = 0.8483

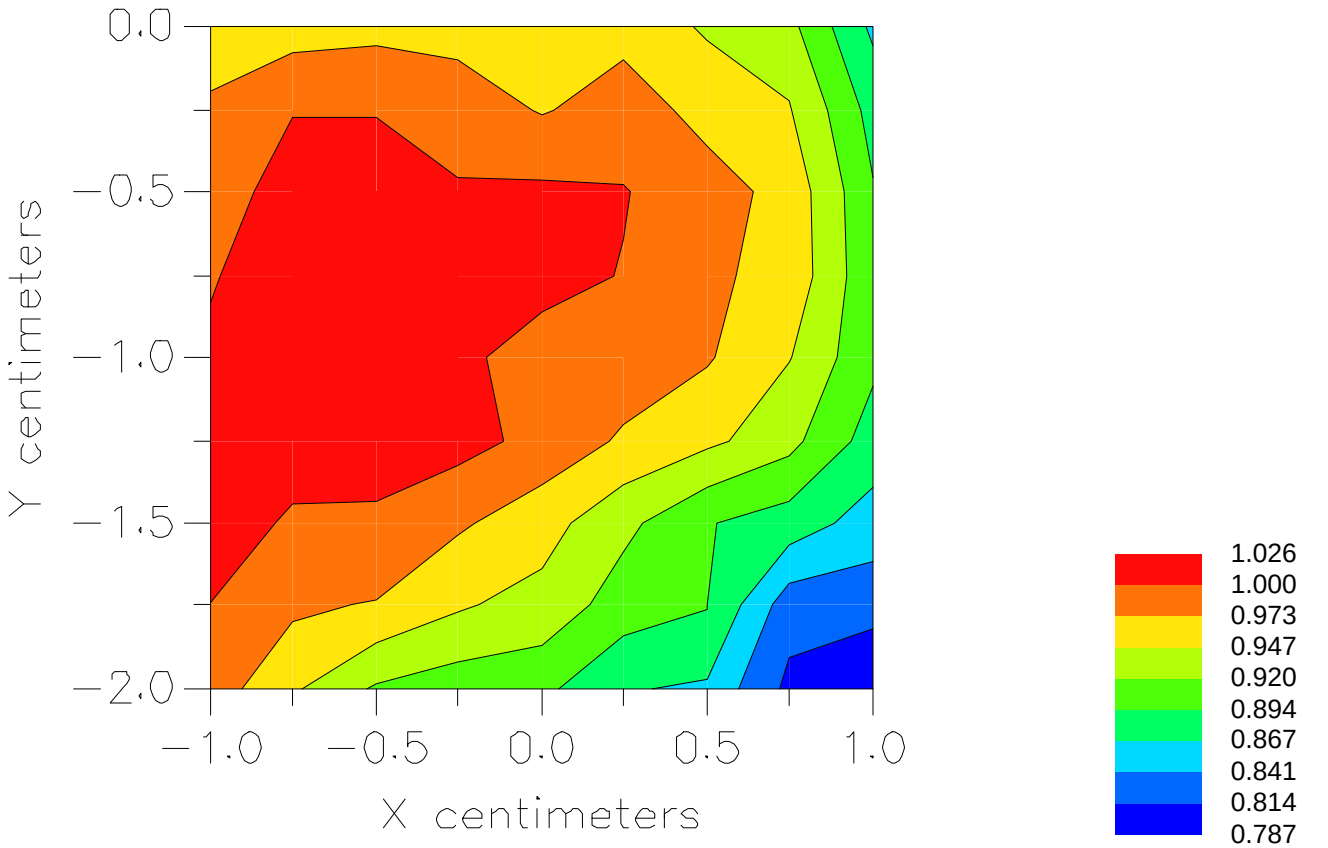
SAR Scan
File : 01062226_ZOOM
Start : 22-Jun-101 04:41:12 pm End : 22-Jun-101 04:54:14 pm
SAMSUNG/SPH-I300/1;848.97MHz;W;Helical/In;
Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 DegreesMuscle/51.700/1.100



File : 01062226_ZOOM
Start : 22-Jun-101 04:41:12 pm End : 22-Jun-101 04:54:14 pm
SAMSUNG/SPH-I300/1;848.97MHz;W;Helical/In;
Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 DegreesMuscle/51.700/1.100



File : 01062226_ZOOM
Start : 22-Jun-101 04:41:12 pm End : 22-Jun-101 04:54:14 pm
SAMSUNG/SPH-I300/1;848.97MHz;W;Helical/In;
Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 DegreesMuscle/51.700/1.100



File : c:/idx3/SYSTEM/SARMEAS3/data/Normal/01062220_ZOOM.VLT
Start : 22-Jun-101 03:54:53 pm End : 22-Jun-101 04:05:33 pm

Radio Type   : SAMSUNG
Model Number   : SPH-I300
Serial Number   : 1
Frequency   : 848.97 MHz
Peak Trans. Pwr : 0.450 W
Start Trans. Pwr: 0.450 W
Antenna Type   : Helical
Antenna Posn.   : Out
Phantom Type   : Body
Phantom Posn.   : Abdomen
Scan Type   : ZOOM/SAR
Probe Name   : PCTEST
Field Type   : E Field
Orientation   : 0 Degrees

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

Comment :
    SAMSUNG DUAL-BAND PHONE - FM MODE
    CH 0799   Conducted 26.5 dBm
    SAMSUNG DUAL-BAND 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 = -4.750, Y = -3.000, Z =   0.000   (cm) Value = 17.132

Measured Values (volts) =
  1.239E-002 1.118E-002 1.040E-002 8.776E-003 7.354E-003 5.827E-003
  4.080E-003 2.923E-003 2.240E-003 2.103E-003 2.839E-003 3.708E-003
  4.594E-003 4.412E-003 3.869E-003 2.830E-003 1.721E-003 1.444E-003
  1.400E-003 1.488E-003 1.337E-003

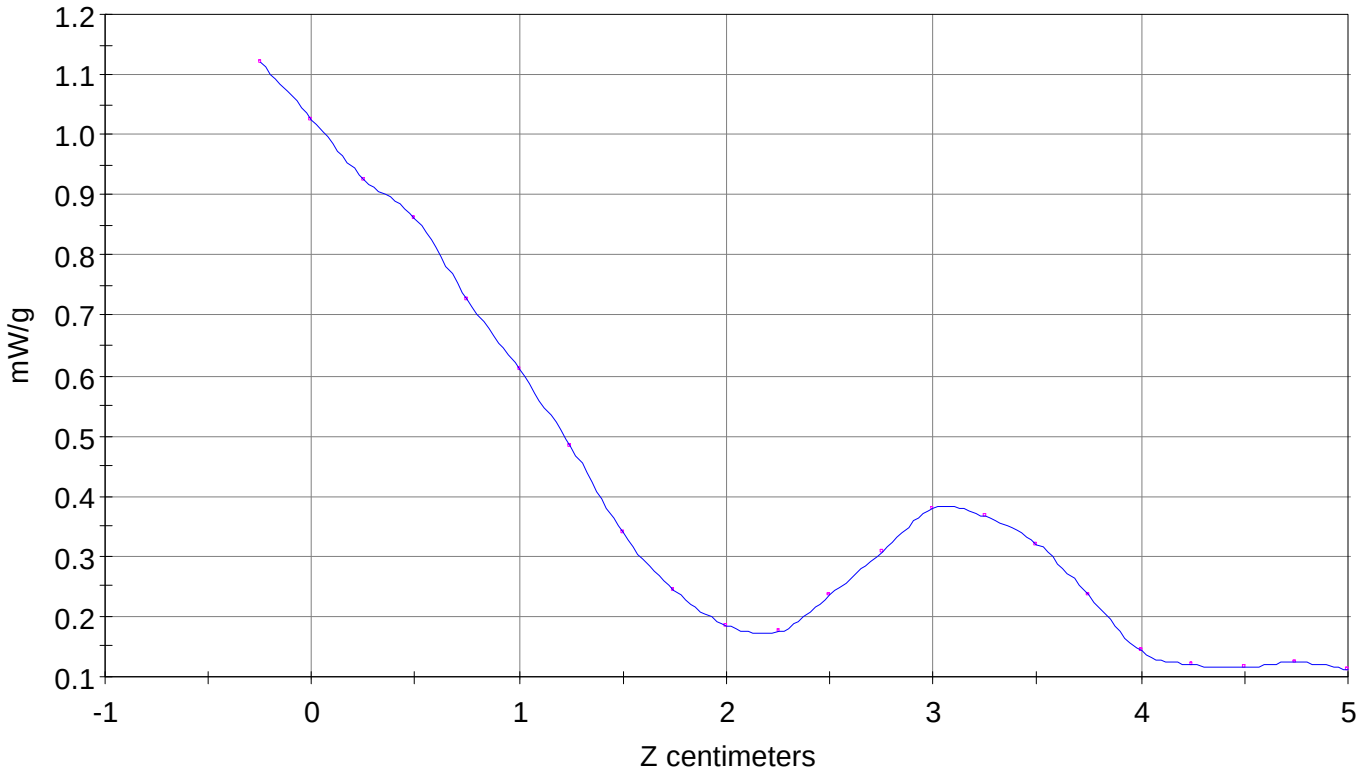
Calc. Voltage @ Surface (Vs) = 0.0135

Voltage @ 1.00 cm (Vt)   = 0.0088

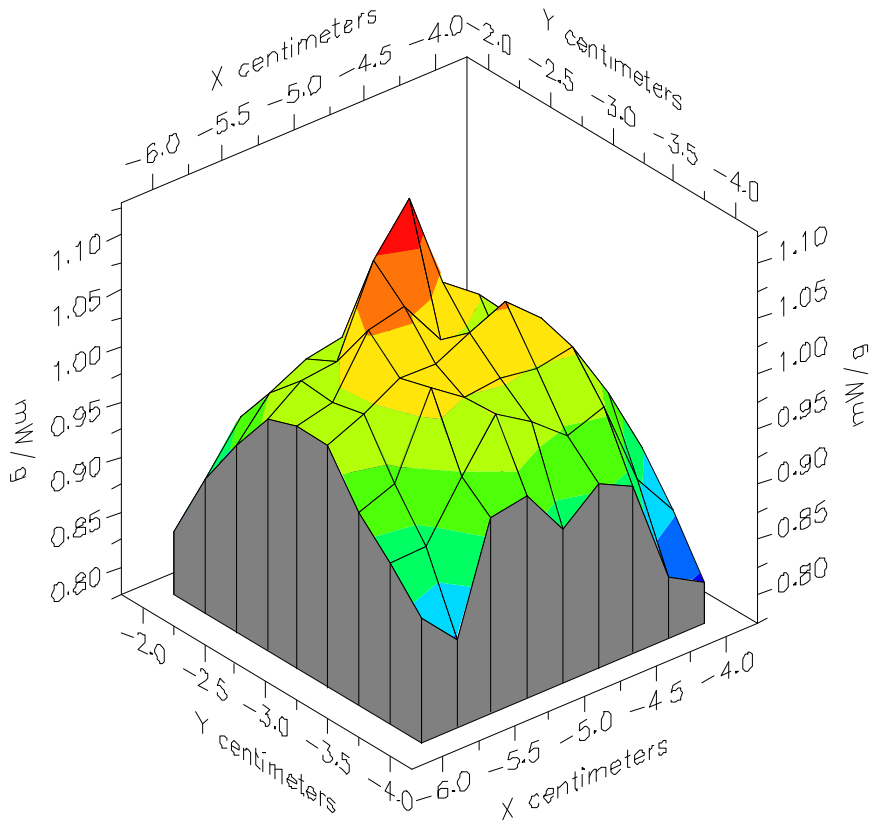
Ave. Voltage (Vs+Vt)/2   = 0.0112

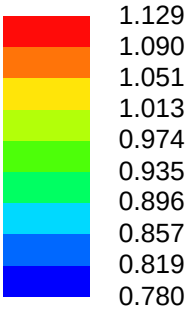
Ave. SAR over 1 g (mW/g)   = 0.9232

SAR Scan
File : 01062220_ZOOM
Start : 22-Jun-101 03:54:53 pm End : 22-Jun-101 04:05:33 pm
SAMSUNG/SPH-I300/1;848.97MHz;W;Helical/Out;
Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 DegreesMuscle/51.700/1.100

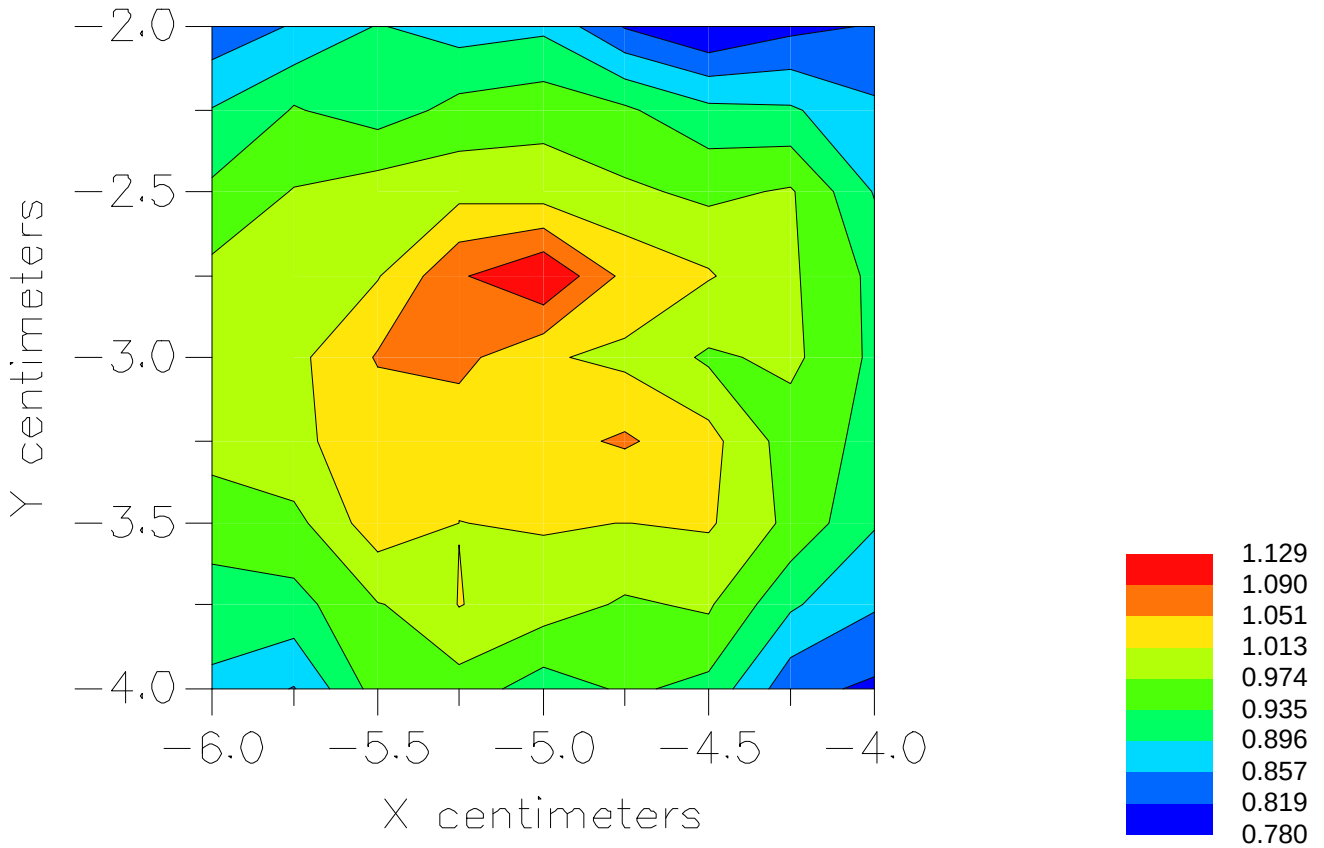


File : 01062220_ZOOM
Start : 22-Jun-101 03:54:53 pm End : 22-Jun-101 04:05:33 pm
SAMSUNG/SPH-I300/1;848.97MHz;W;Helical/Out;
Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 DegreesMuscle/51.700/1.100



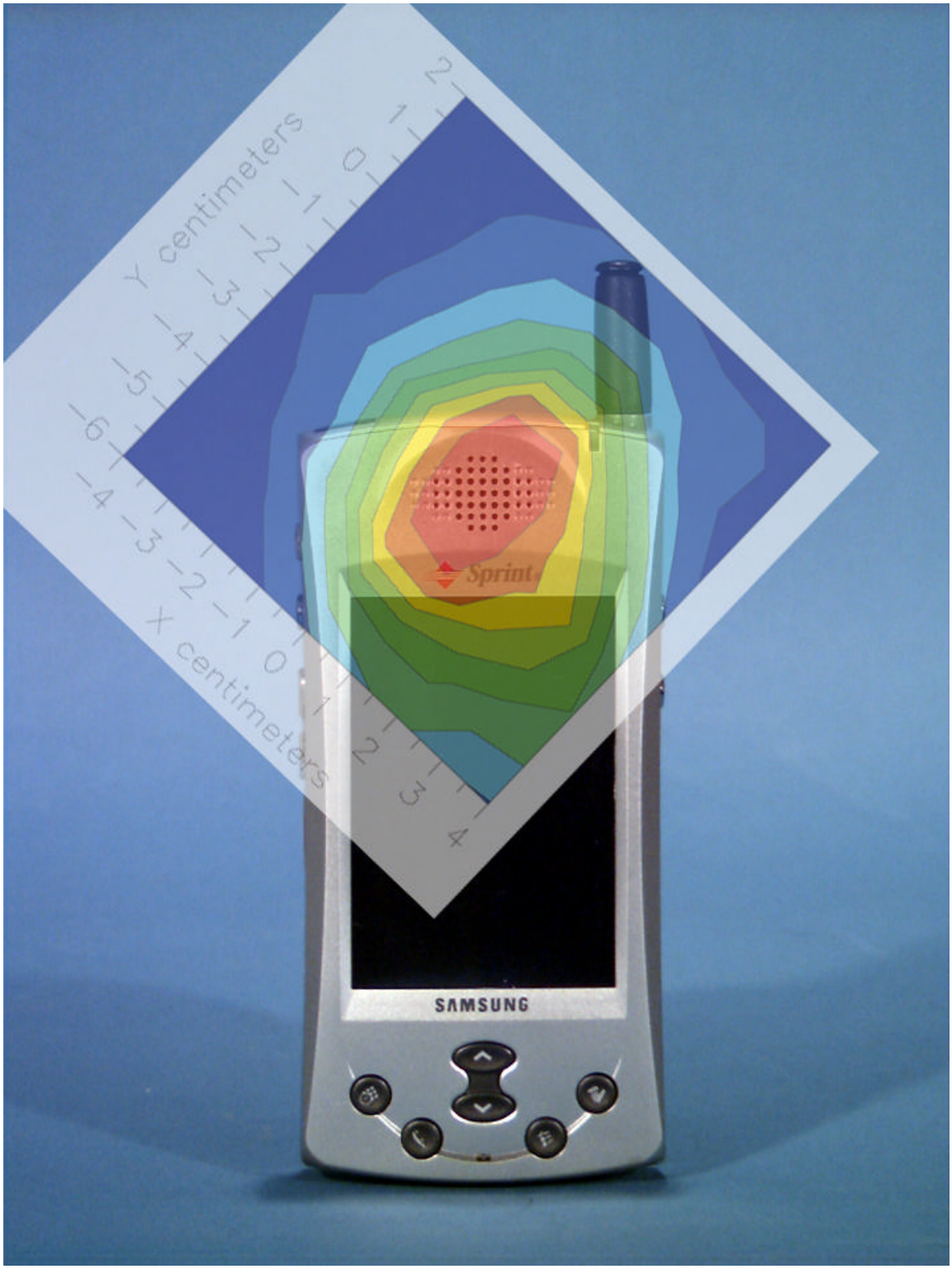


File : 01062220_ZOOM
Start : 22-Jun-101 03:54:53 pm End : 22-Jun-101 04:05:33 pm
SAMSUNG/SPH-I300/1;848.97MHz;W;Helical/Out;
Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 DegreesMuscle/51.700/1.100



Peak SAR Location

1800 MHz Head SAR



File : c:/idx3/SYSTEM/SARMEAS3/data/Normal/01062136_ZOOM.VLT
Start : 21-Jun-101 03:55:35 pm End : 21-Jun-101 04:04:54 pm

Radio Type   : SAMSUNG
Model Number   : SPH-I300
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 :
    SAMSUNG DUAL-BAND PHONE - PCS MODE
    CH 0025   Conducted 23.0 dBm
    SAMSUNG DUAL-BAND PHONE - HEAD SAR

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 = 15.259

Measured Values (volts) =
  1.464E-002 1.024E-002 7.280E-003 5.411E-003 5.338E-003 3.120E-003
  2.387E-003 2.514E-003 1.502E-003 1.181E-003 9.980E-004 9.428E-004
  6.535E-004 5.213E-004 4.938E-004 4.977E-004 4.796E-004 4.189E-004
  3.853E-004 3.426E-004 3.525E-004

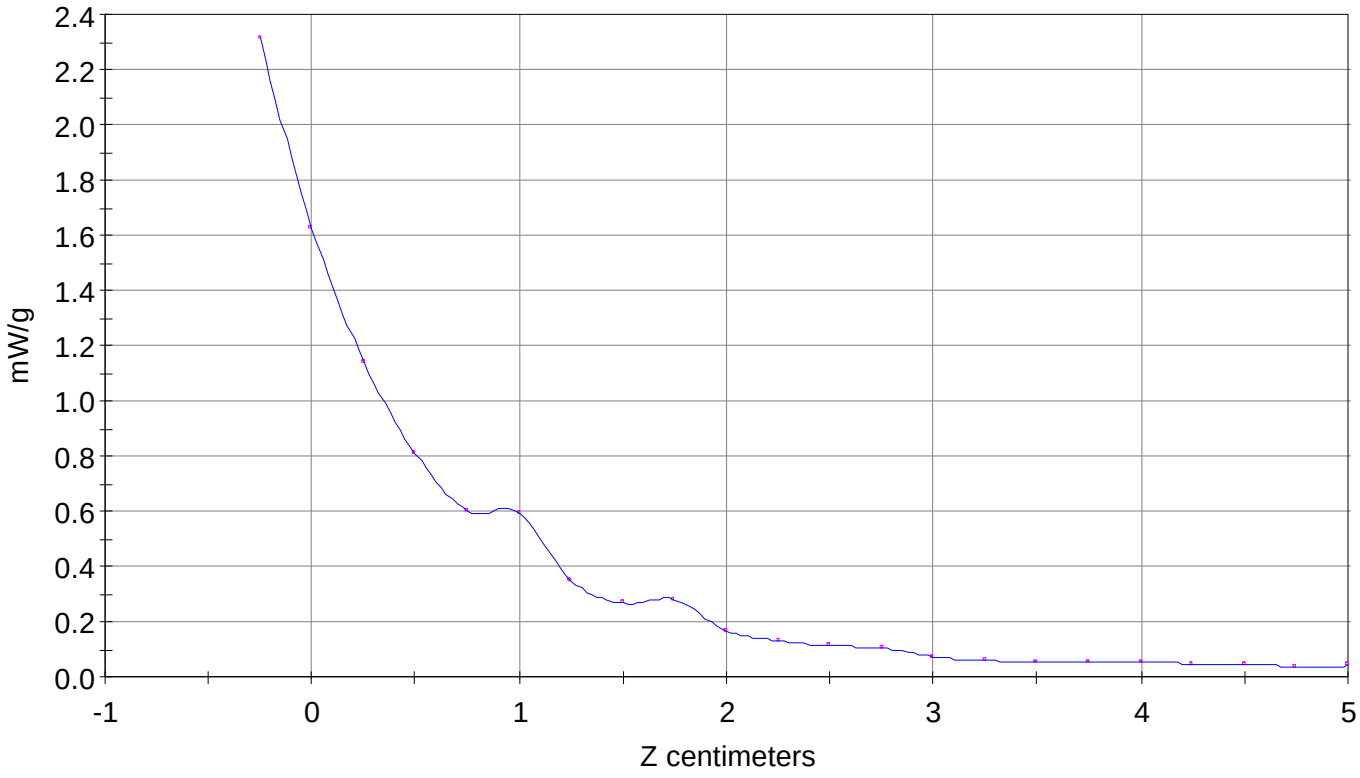
Calc. Voltage @ Surface (Vs) = 0.0208

Voltage @ 1.00 cm (Vt)   = 0.0054

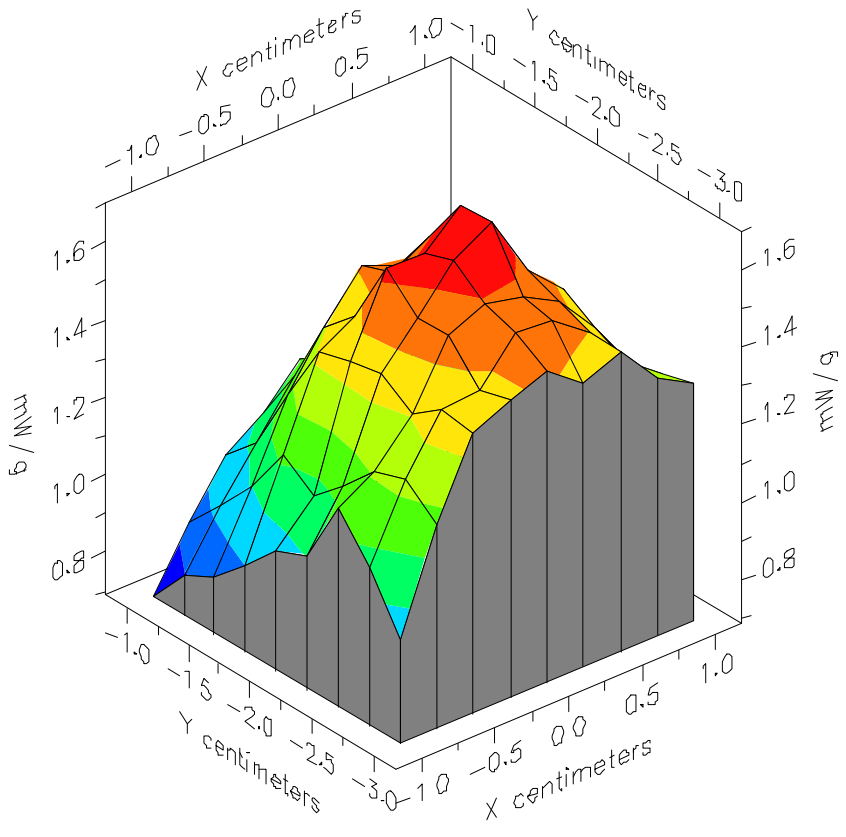
Ave. Voltage (Vs+Vt)/2   = 0.0131

Ave. SAR over 1 g (mW/g)   = 1.4553

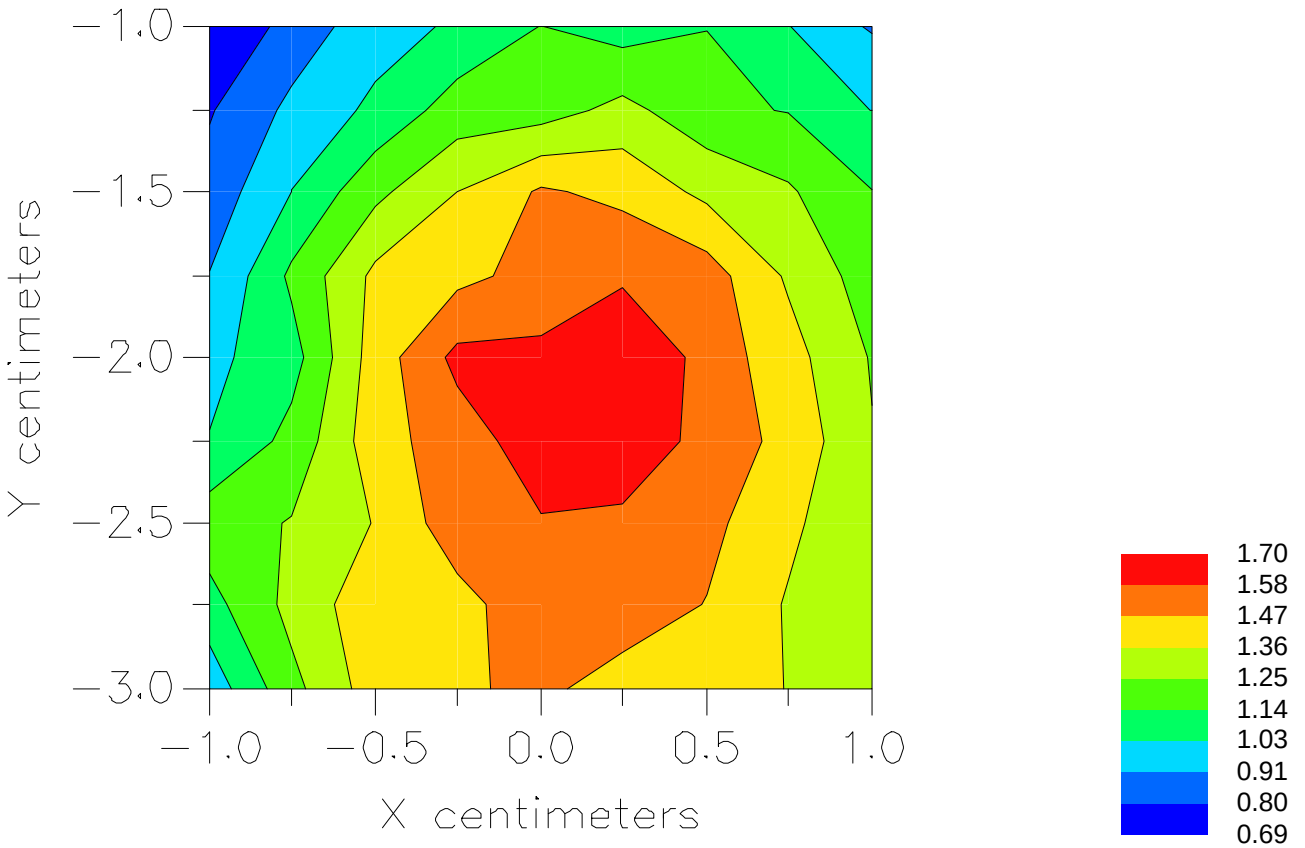
SAR Scan
File : 01062136_ZOOM
Start : 21-Jun-101 03:55:35 pm End : 21-Jun-101 04:04:54 pm
SAMSUNG/SPH-I300/1;1851.25MHz;W;Helical/In;
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/40.400/1.820



File : 01062136_ZOOM
Start : 21-Jun-101 03:55:35 pm End : 21-Jun-101 04:04:54 pm
SAMSUNG/SPH-I300/1;1851.25MHz;W;Helical/In;
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/40.400/1.820



File : 01062136_ZOOM
Start : 21-Jun-101 03:55:35 pm End : 21-Jun-101 04:04:54 pm
SAMSUNG/SPH-I300/1;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/01062128_ZOOM.VLT
Start : 21-Jun-101 02:50:18 pm End : 21-Jun-101 02:59:37 pm

Radio Type   : SAMSUNG
Model Number   : SPH-I300
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 :
    SAMSUNG DUAL-BAND PHONE - PCS MODE
    CH 0025   Conducted 23.0 dBm
    SAMSUNG DUAL-BAND PHONE - HEAD SAR

Robot   : PCTEST

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

PCTEST   Amplifier Channel Settings : 0.245   0.231   0.224

Max Location : X =   0.000, Y = -2.500, Z =   0.000   (cm) Value = 13.954

Measured Values (volts) =
  1.155E-002 8.442E-003 6.229E-003 4.525E-003 3.686E-003 2.630E-003
  1.978E-003 1.718E-003 1.193E-003 1.047E-003 7.705E-004 6.048E-004
  6.502E-004 4.584E-004 4.188E-004 3.735E-004 3.763E-004 3.013E-004
  3.393E-004 3.344E-004 4.782E-004

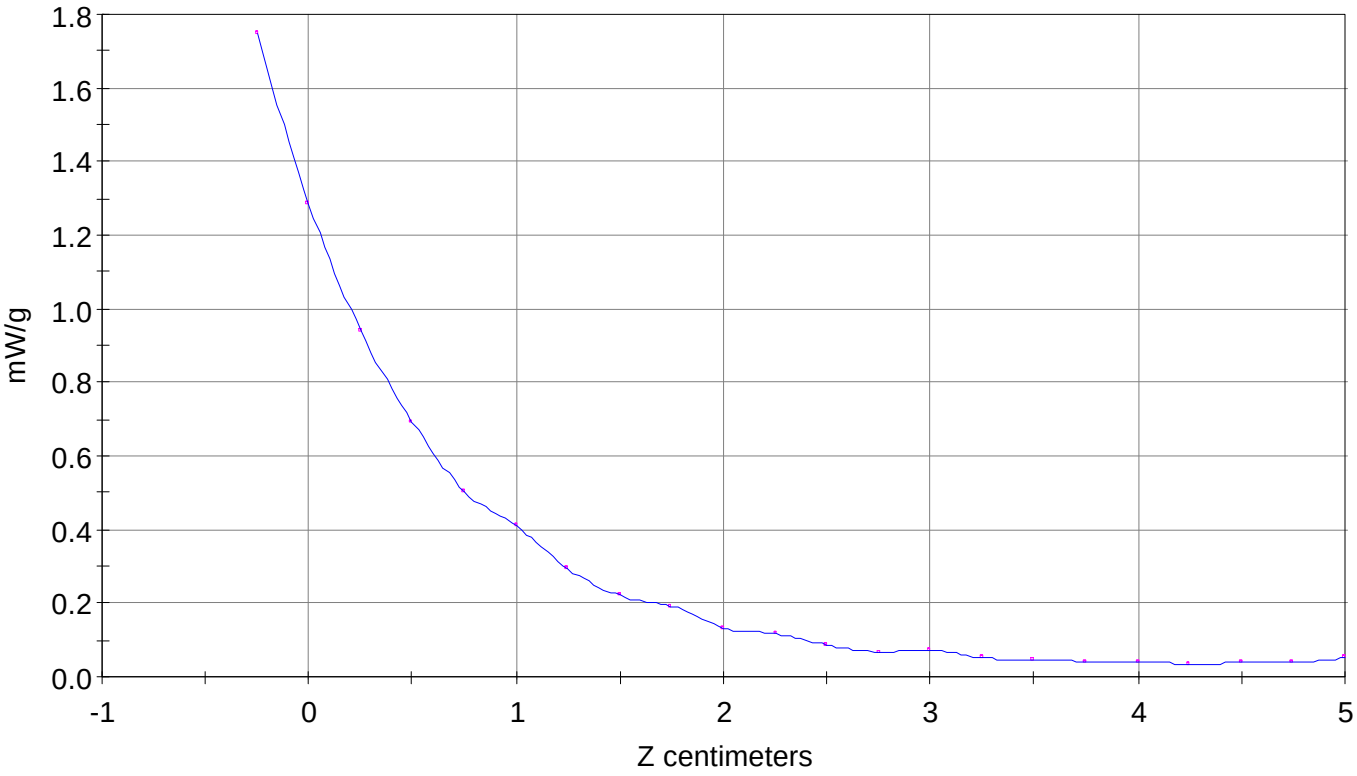
Calc. Voltage @ Surface (Vs) = 0.0157

Voltage @ 1.00 cm (Vt)   = 0.0045

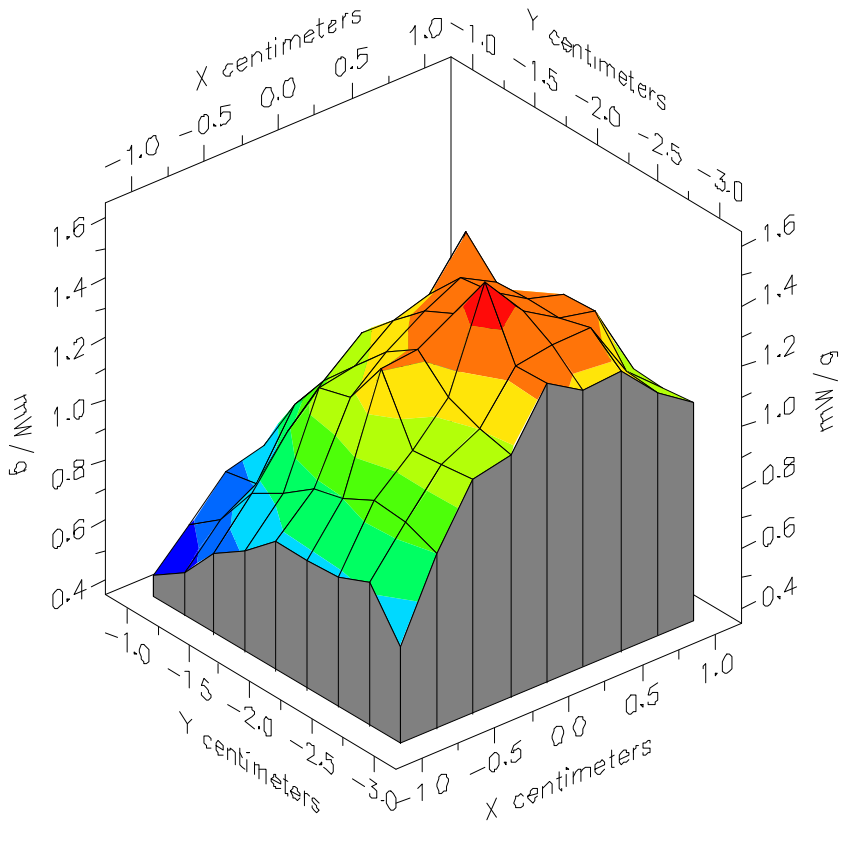
Ave. Voltage (Vs+Vt)/2   = 0.0101

Ave. SAR over 1 g (mW/g)   = 1.1264

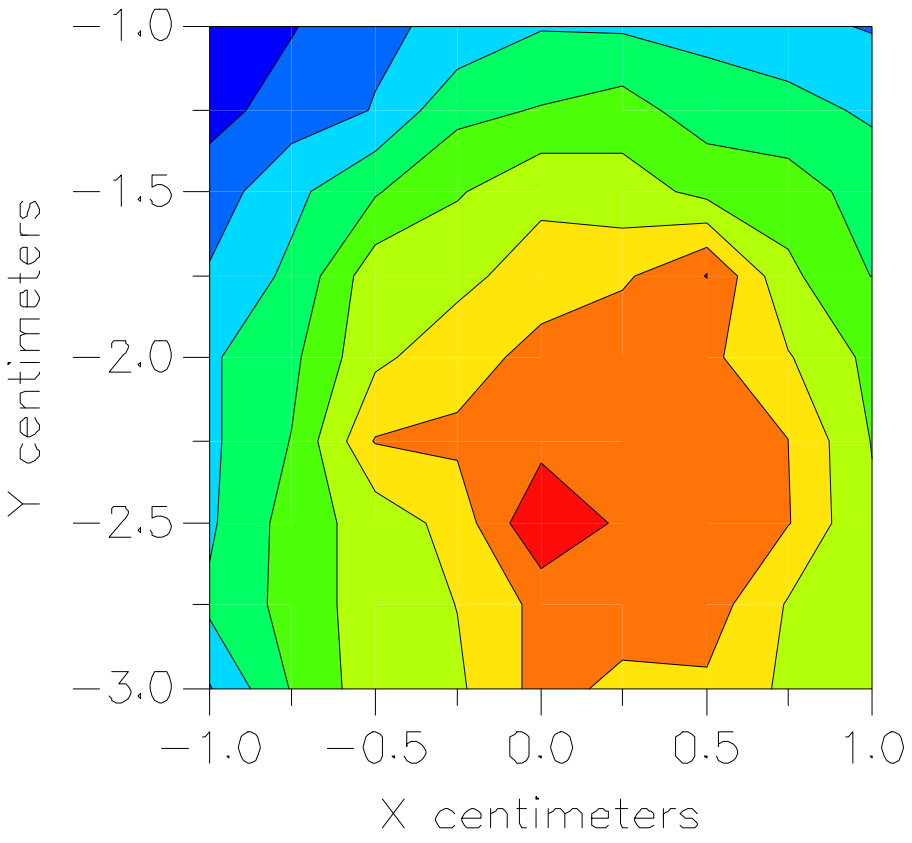
SAR Scan
File : 01062128_ZOOM
Start : 21-Jun-101 02:50:18 pm End : 21-Jun-101 02:59:37 pm
SAMSUNG/SPH-I300/1;1851.25MHz;W;Helical/Out;
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/40.400/1.820



File : 01062128_ZOOM
Start : 21-Jun-101 02:50:18 pm End : 21-Jun-101 02:59:37 pm
SAMSUNG/SPH-I300/1;1851.25MHz;W;Helical/Out;
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/40.400/1.820



File : 01062128_ZOOM
Start : 21-Jun-101 02:50:18 pm End : 21-Jun-101 02:59:37 pm
SAMSUNG/SPH-I300/1;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/01062112_ZOOM.VLT
Start : 21-Jun-101 12:23:43 pm End : 21-Jun-101 12:33:00 pm

Radio Type   : SAMSUNG
Model Number   : SPH-I300
Serial Number   : 1
Frequency   : 1880.00 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 :
    SAMSUNG DUAL-BAND PHONE - PCS MODE
    CH 0600   Conducted 23.0 dBm
    SAMSUNG DUAL-BAND PHONE - HEAD SAR

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 = -2.000, Z =   0.000   (cm) Value = 12.012

Measured Values (volts) =
  1.186E-002 8.779E-003 6.147E-003 4.438E-003 3.477E-003 2.576E-003
  2.043E-003 1.638E-003 1.298E-003 1.103E-003 9.504E-004 8.282E-004
  8.076E-004 7.708E-004 9.875E-004 9.305E-004 6.018E-004 7.290E-004
  7.495E-004 6.036E-004 6.094E-004

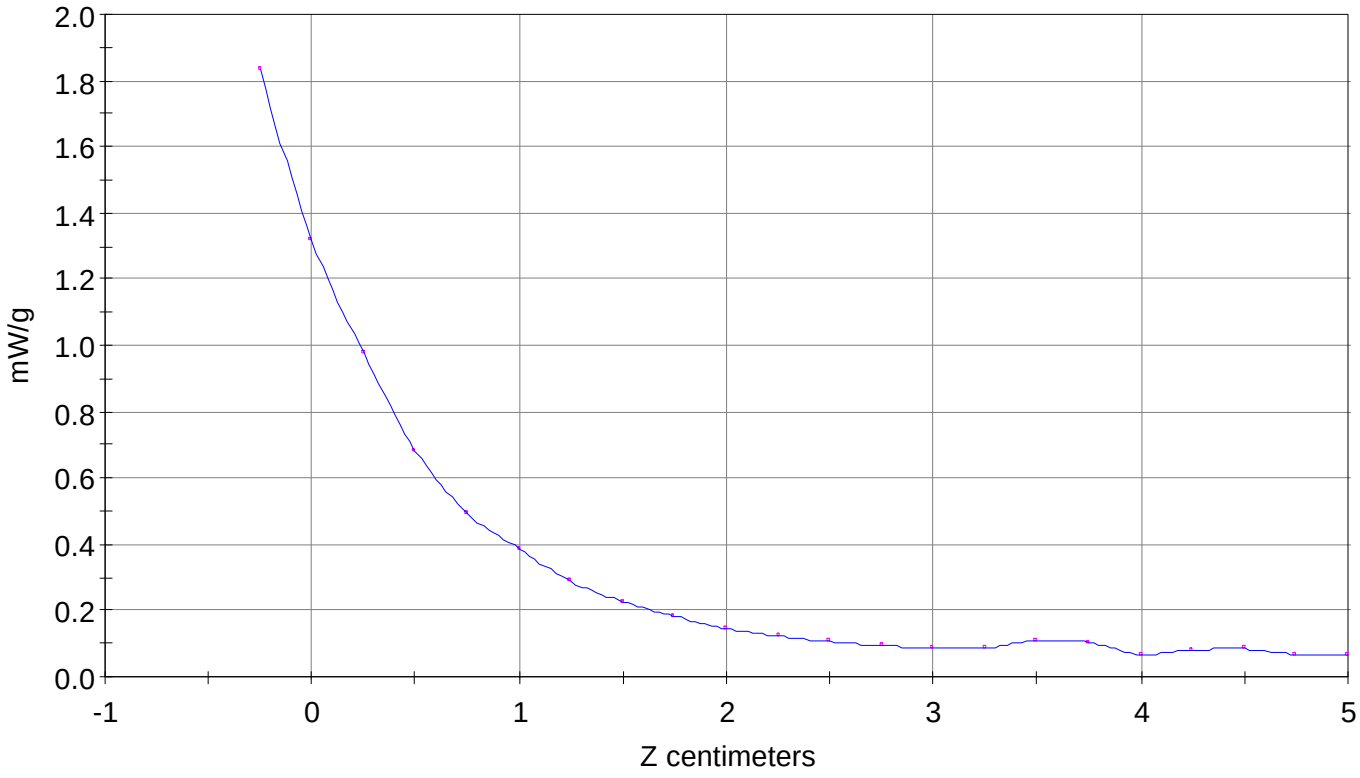
Calc. Voltage @ Surface (Vs) = 0.0165

Voltage @ 1.00 cm (Vt)   = 0.0044

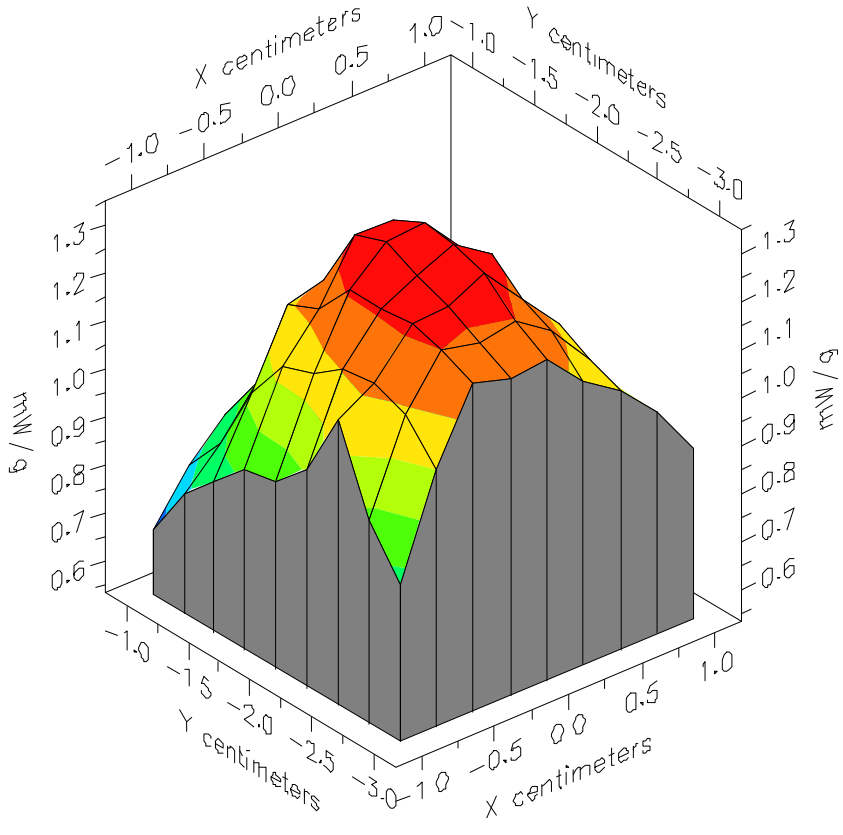
Ave. Voltage (Vs+Vt)/2   = 0.0105

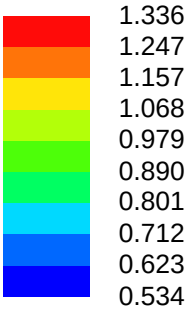
Ave. SAR over 1 g (mW/g)   = 1.1631

SAR Scan
File : 01062112_ZOOM
Start : 21-Jun-101 12:23:43 pm End : 21-Jun-101 12:33:00 pm
SAMSUNG/SPH-I300/1;1880.00MHz;W;Helical/In;
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/40.400/1.820

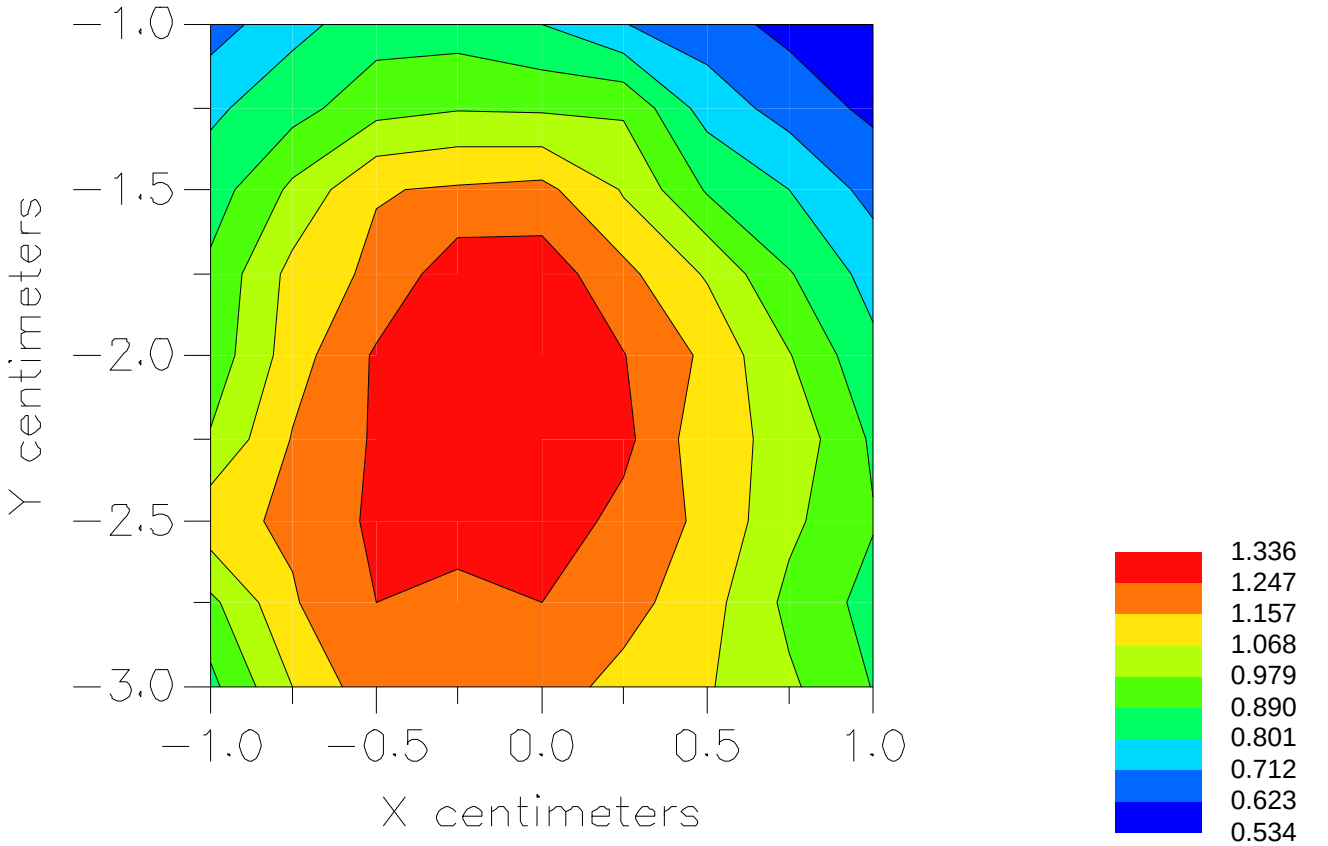


File : 01062112_ZOOM
Start : 21-Jun-101 12:23:43 pm End : 21-Jun-101 12:33:00 pm
SAMSUNG/SPH-I300/1;1880.00MHz;W;Helical/In;
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/40.400/1.820





File : 01062112_ZOOM
Start : 21-Jun-101 12:23:43 pm End : 21-Jun-101 12:33:00 pm
SAMSUNG/SPH-I300/1;1880.00MHz;W;Helical/In;
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/40.400/1.820



File : c:/idx3/SYSTEM/SARMEAS3/data/Normal/01062113_ZOOM.VLT
Start : 21-Jun-101 12:40:34 pm End : 21-Jun-101 12:49:53 pm

Radio Type   : SAMSUNG
Model Number   : SPH-I300
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 :
    SAMSUNG DUAL-BAND PHONE - PCS MODE
    CH 0600   Conducted 23.0 dBm
    SAMSUNG DUAL-BAND PHONE - HEAD SAR

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 = 11.066

Measured Values (volts) =
  1.108E-002 7.853E-003 5.549E-003 4.226E-003 3.168E-003 2.566E-003
  1.958E-003 1.588E-003 1.304E-003 1.432E-003 1.042E-003 8.250E-004
  9.303E-004 9.554E-004 1.022E-003 7.073E-004 6.800E-004 6.268E-004
  6.939E-004 8.099E-004 6.064E-004

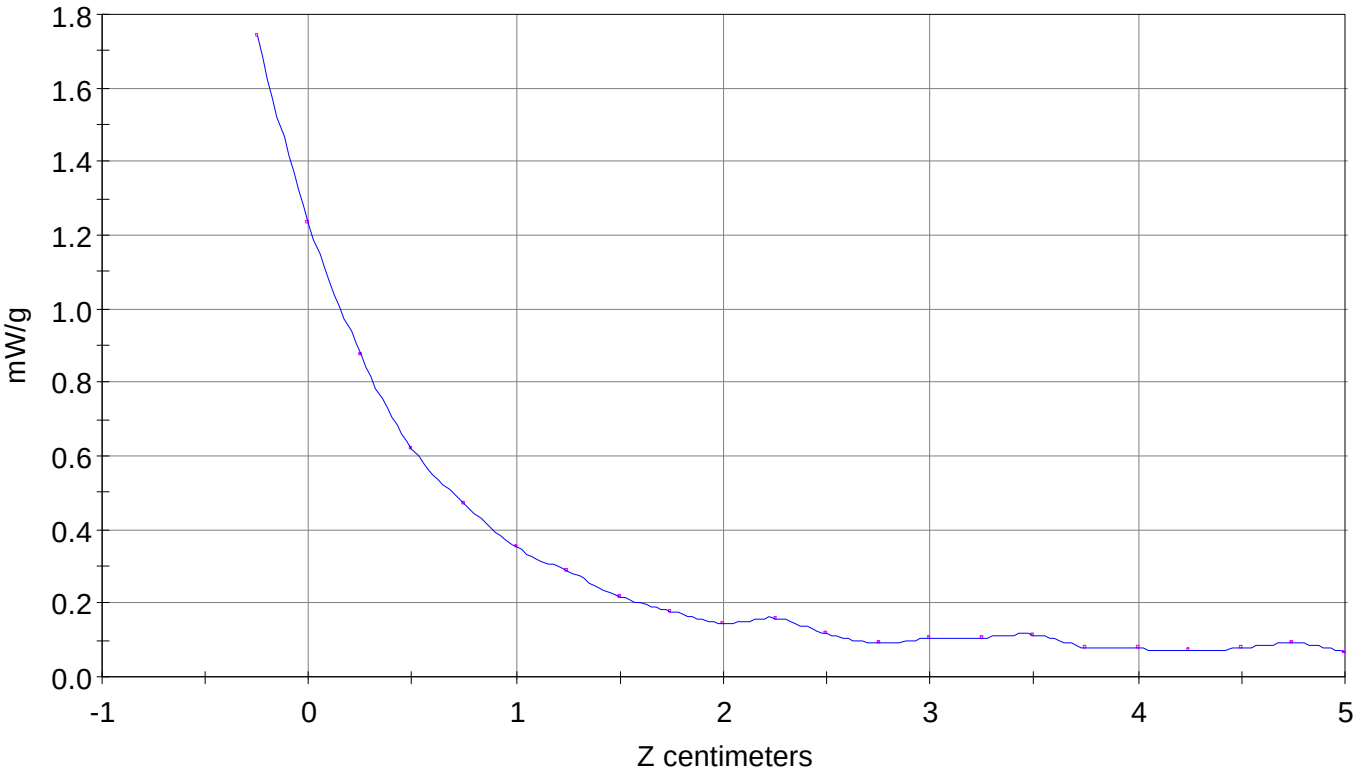
Calc. Voltage @ Surface (Vs) = 0.0156

Voltage @ 1.00 cm (Vt)   = 0.0042

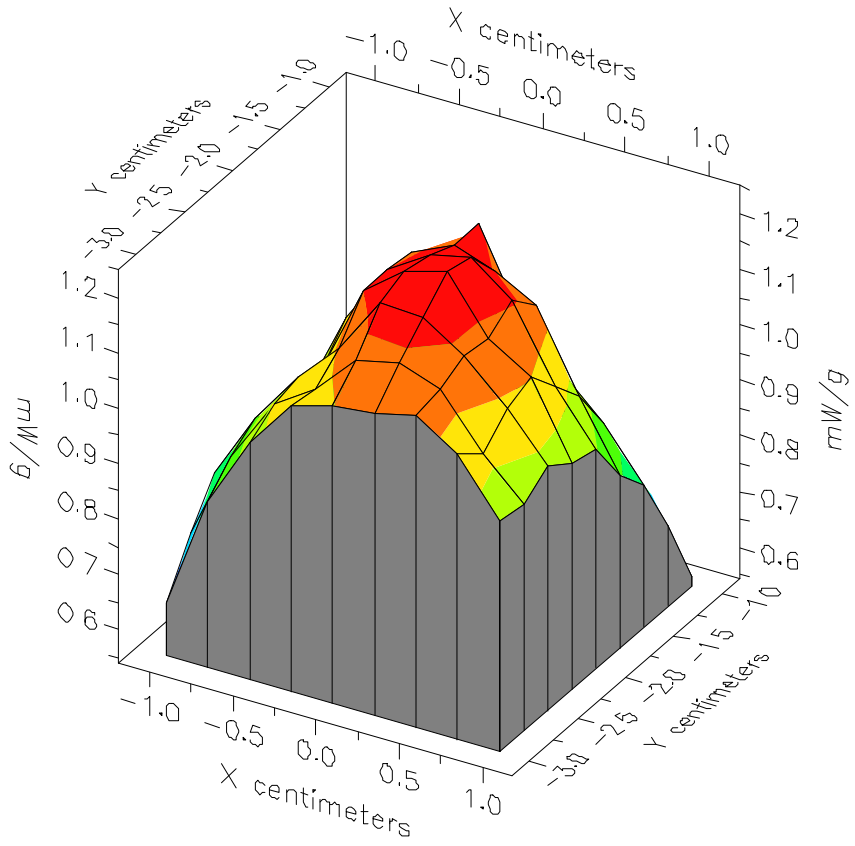
Ave. Voltage (Vs+Vt)/2   = 0.0099

Ave. SAR over 1 g (mW/g)   = 1.1051

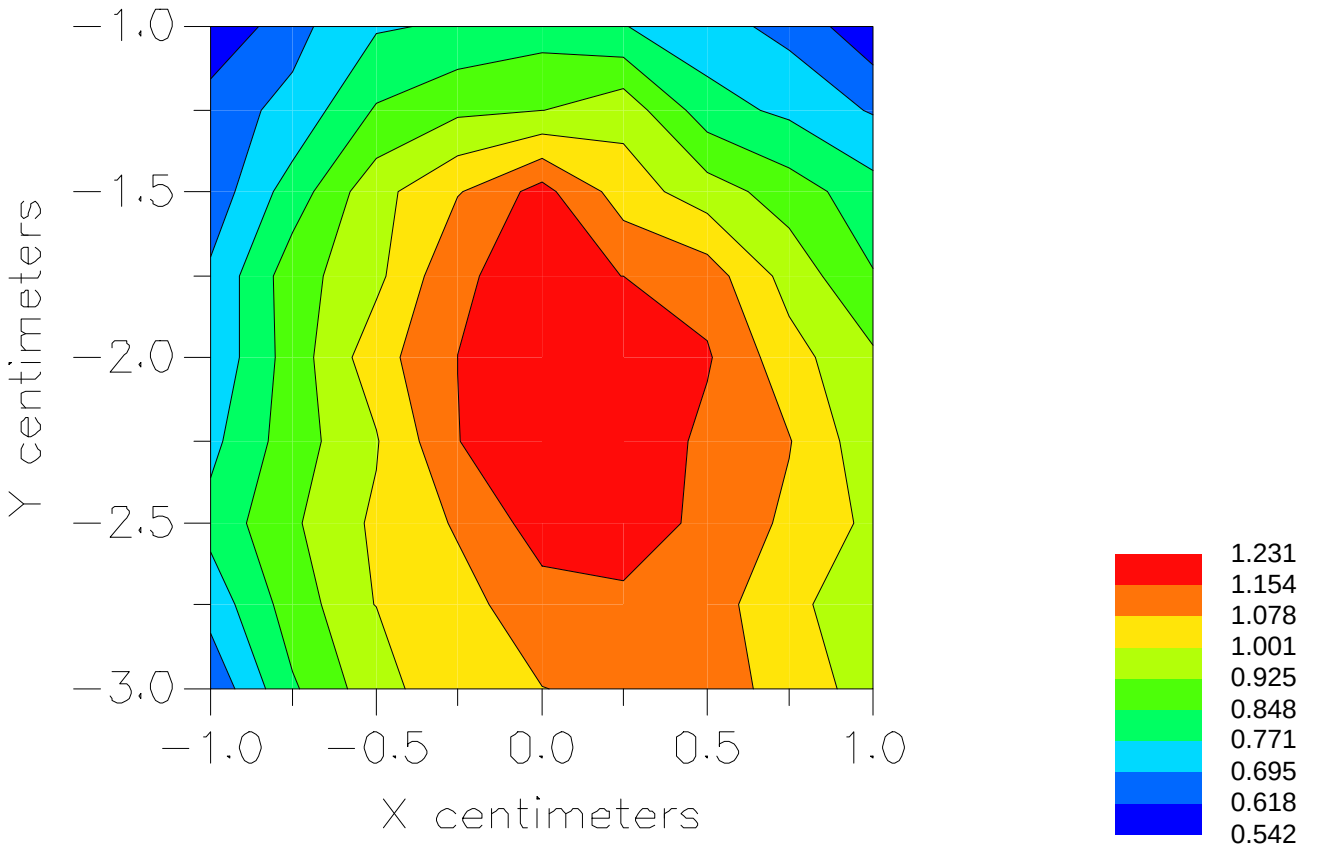
SAR Scan
File : 01062113_ZOOM
Start : 21-Jun-101 12:40:34 pm End : 21-Jun-101 12:49:53 pm
SAMSUNG/SPH-I300/1;1880.00MHz;W;Helical/Out;
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/40.400/1.820



File : 01062113_ZOOM
Start : 21-Jun-101 12:40:34 pm End : 21-Jun-101 12:49:53 pm
SAMSUNG/SPH-I300/1;1880.00MHz;W;Helical/Out;
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/40.400/1.820



File : 01062113_ZOOM
Start : 21-Jun-101 12:40:34 pm End : 21-Jun-101 12:49:53 pm
SAMSUNG/SPH-I300/1;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/01062120_ZOOM.VLT
Start : 21-Jun-101 01:53:37 pm End : 21-Jun-101 02:04:51 pm

Radio Type   : SAMSUNG
Model Number   : SPH-I300
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 :
    SAMSUNG DUAL-BAND PHONE - PCS MODE
    CH 1175   Conducted 23.0 dBm
    SAMSUNG DUAL-BAND PHONE - HEAD SAR

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 = -2.000, Z =   0.000   (cm) Value = 12.018

Measured Values (volts) =
  1.342E-002 8.719E-003 5.902E-003 4.338E-003 3.494E-003 2.526E-003
  2.018E-003 1.563E-003 1.479E-003 9.772E-004 1.351E-003 7.747E-004
  1.049E-003 7.151E-004 5.390E-004 1.535E-003 7.216E-004 4.375E-004
  4.640E-004 7.375E-004 4.213E-004

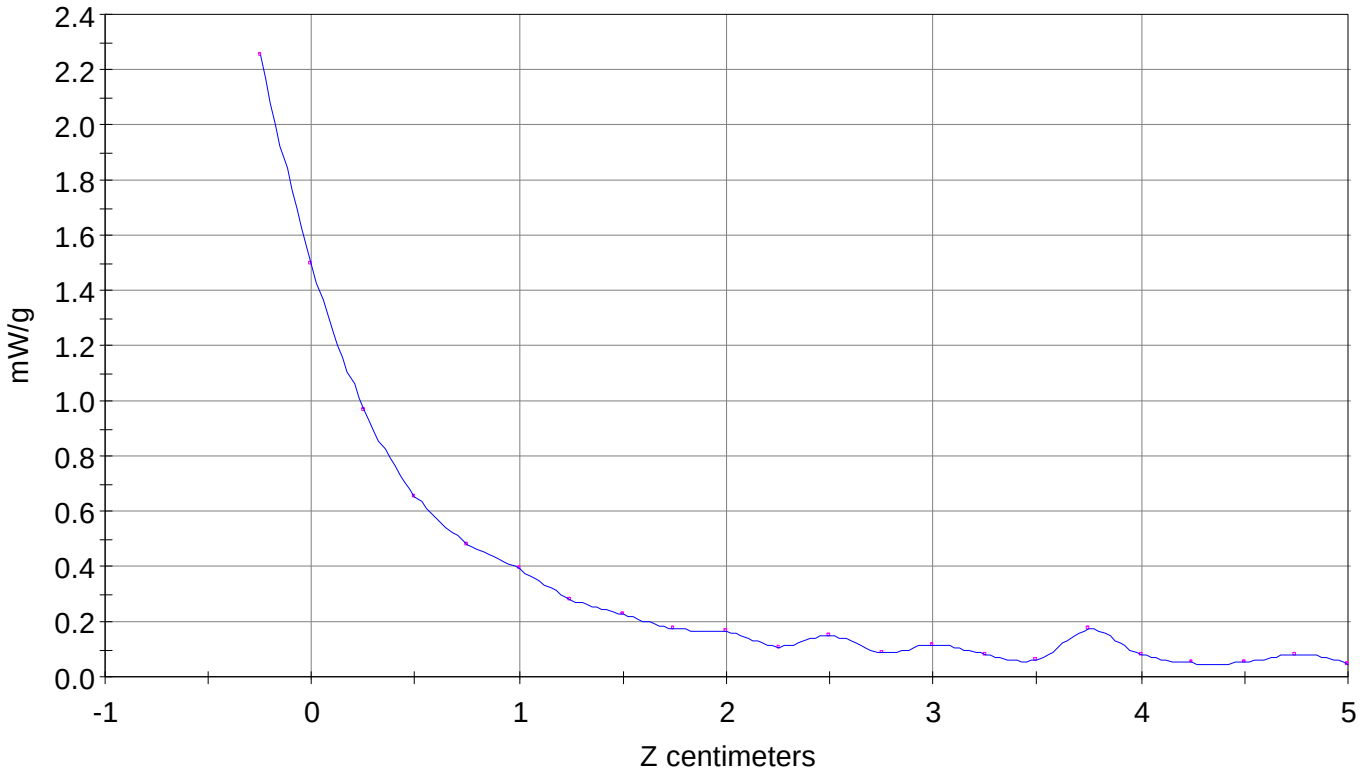
Calc. Voltage @ Surface (Vs) = 0.0202

Voltage @ 1.00 cm (Vt)   = 0.0043

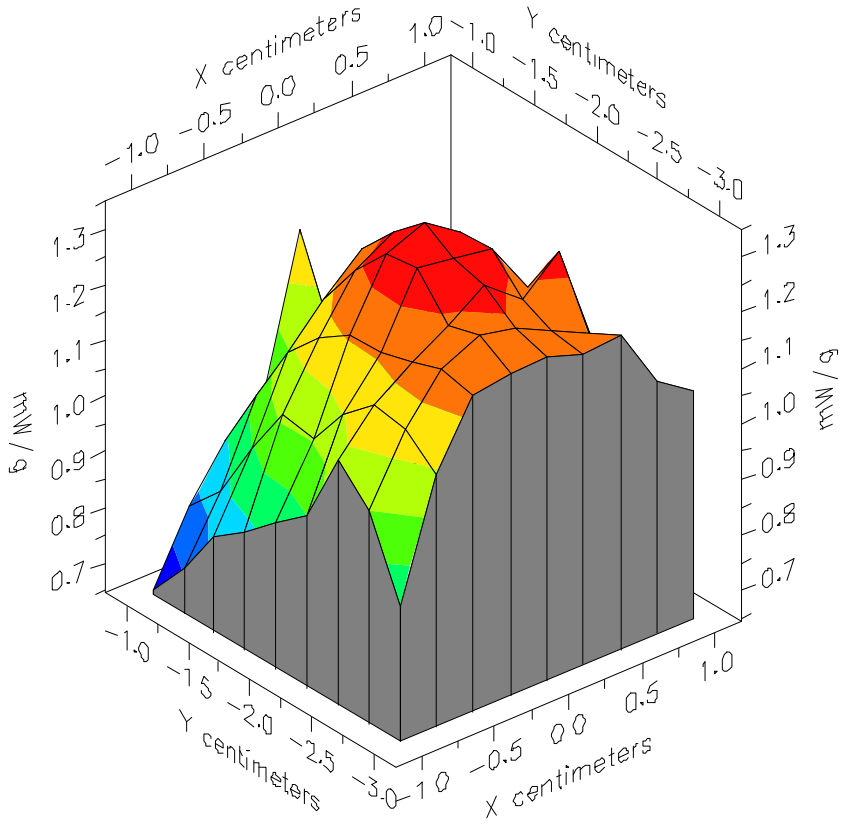
Ave. Voltage (Vs+Vt)/2   = 0.0123

Ave. SAR over 1 g (mW/g)   = 1.3663

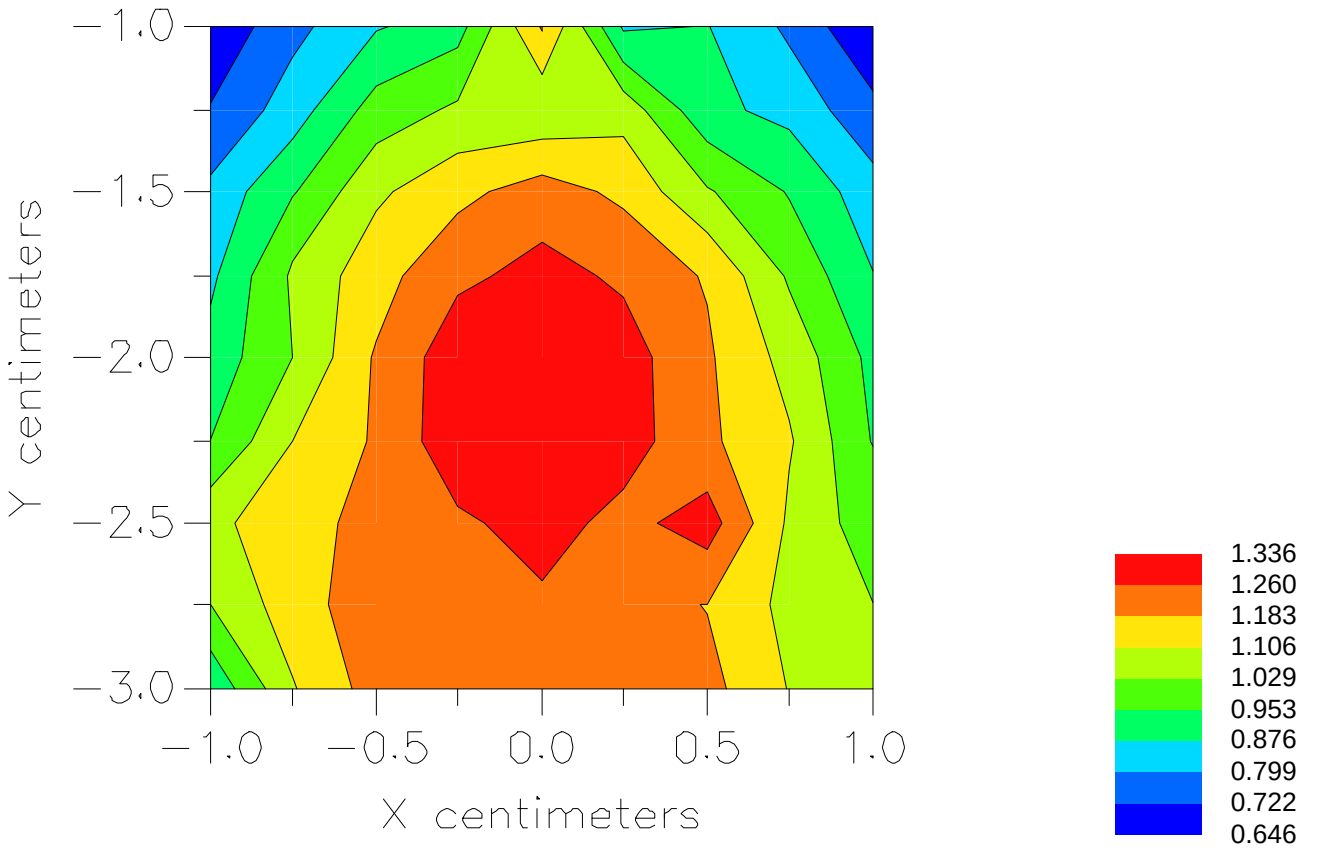
SAR Scan
File : 01062120_ZOOM
Start : 21-Jun-101 01:53:37 pm End : 21-Jun-101 02:04:51 pm
SAMSUNG/SPH-I300/1;1908.75MHz;W;Helical/In;
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/40.400/1.820



File : 01062120_ZOOM
Start : 21-Jun-101 01:53:37 pm End : 21-Jun-101 02:04:51 pm
SAMSUNG/SPH-I300/1;1908.75MHz;W;Helical/In;
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/40.400/1.820



File : 01062120_ZOOM
Start : 21-Jun-101 01:53:37 pm End : 21-Jun-101 02:04:51 pm
SAMSUNG/SPH-I300/1;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/01062122_ZOOM.VLT
Start : 21-Jun-101 02:09:20 pm End : 21-Jun-101 02:18:39 pm

Radio Type   : SAMSUNG
Model Number   : SPH-I300
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 :
    SAMSUNG DUAL-BAND PHONE - PCS MODE
    CH 1175   Conducted 23.0 dBm
    SAMSUNG DUAL-BAND PHONE - HEAD SAR

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 = 13.966

Measured Values (volts) =
  1.377E-002 9.626E-003 6.534E-003 4.893E-003 3.709E-003 2.774E-003
  2.064E-003 1.645E-003 1.274E-003 1.018E-003 9.292E-004 6.357E-004
  8.563E-004 5.547E-004 4.706E-004 4.231E-004 4.317E-004 3.558E-004
  3.167E-004 2.878E-004 2.698E-004

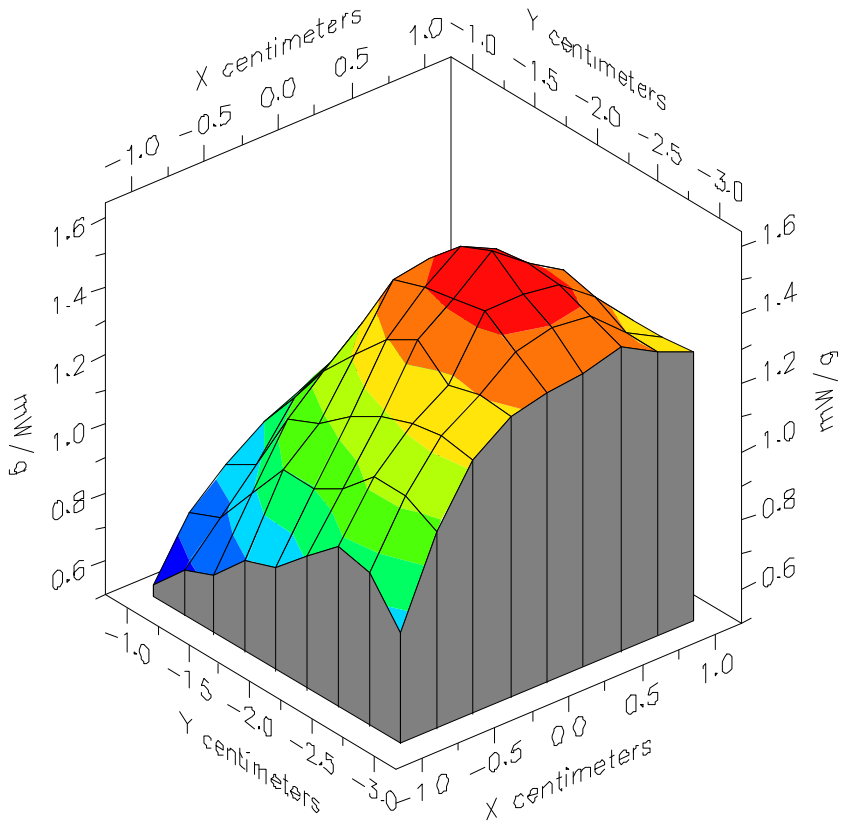
Calc. Voltage @ Surface (Vs) = 0.0200

Voltage @ 1.00 cm (Vt)   = 0.0049

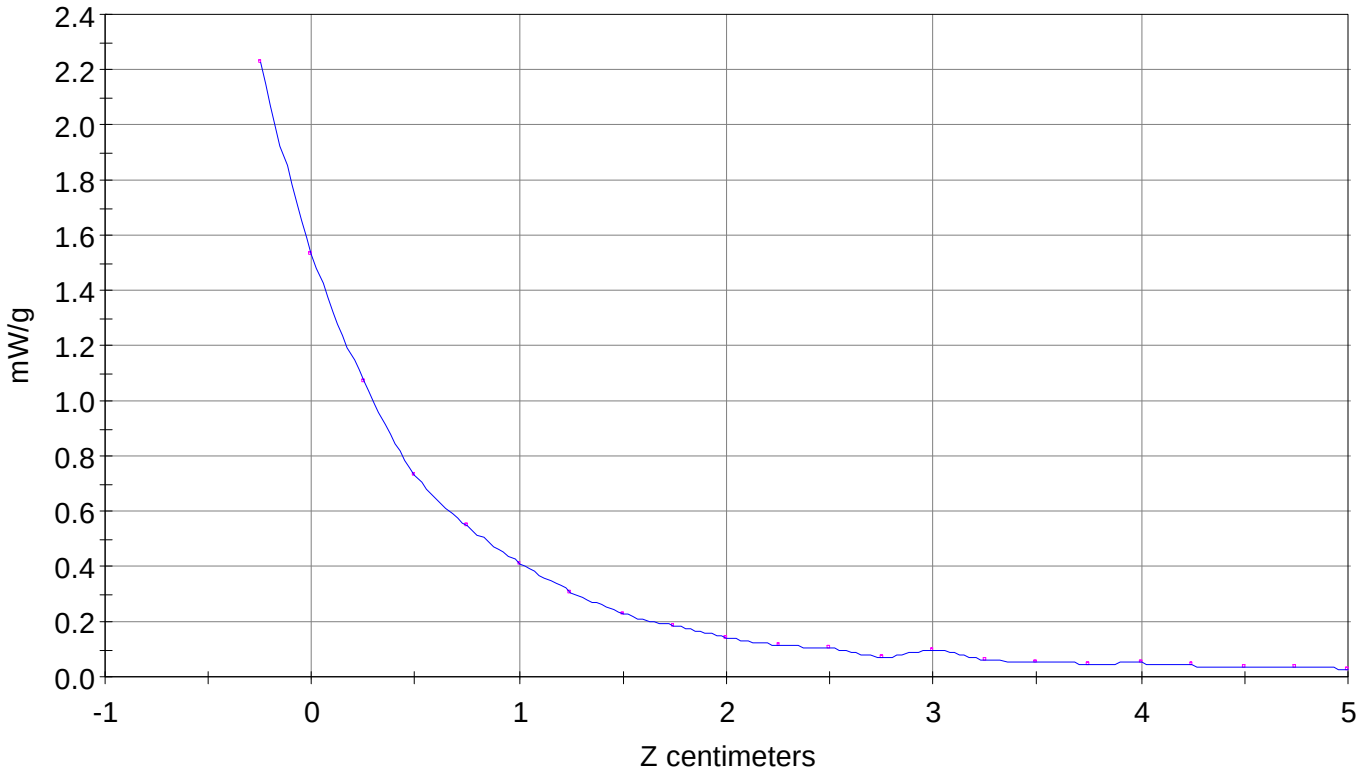
Ave. Voltage (Vs+Vt)/2   = 0.0124

Ave. SAR over 1 g (mW/g)   = 1.3838

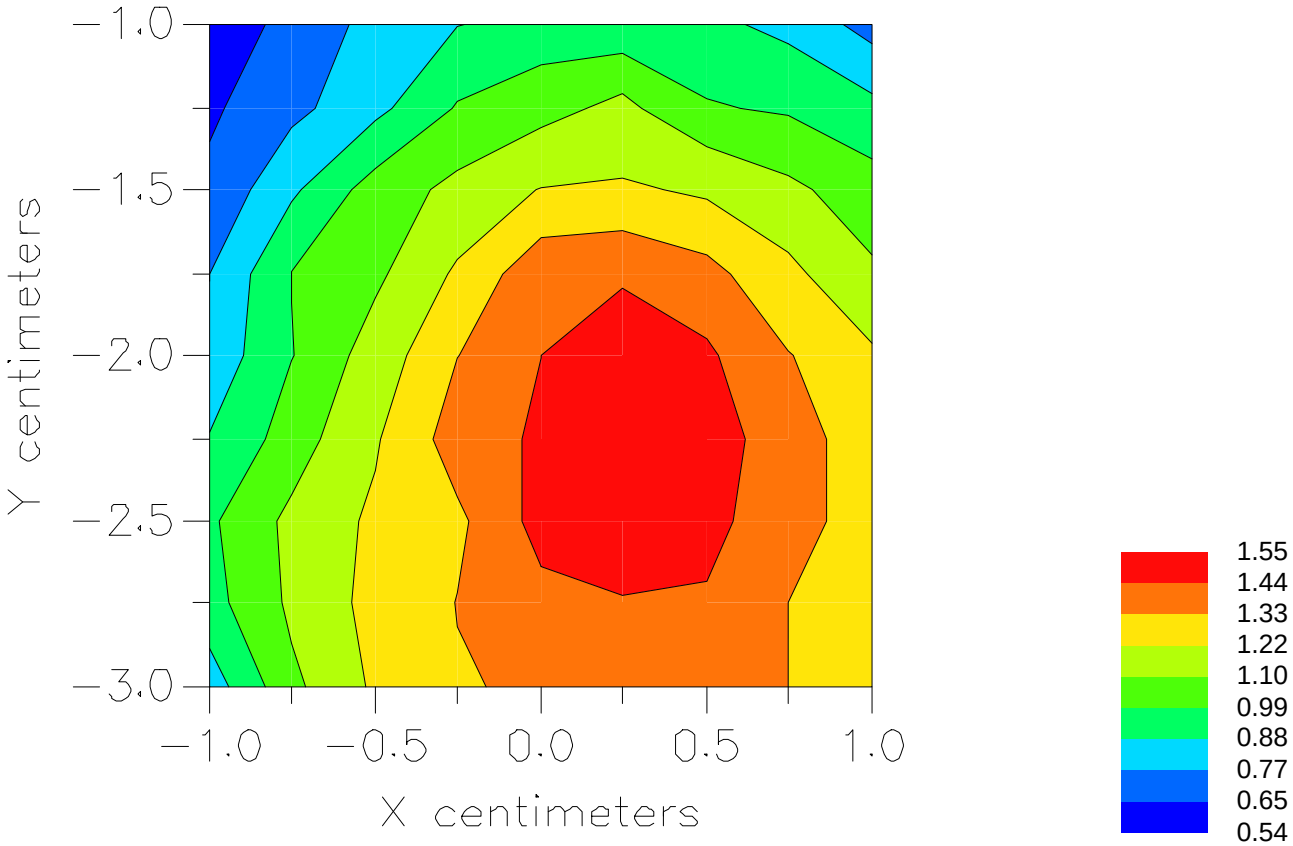
File : 01062122_ZOOM
Start : 21-Jun-101 02:09:20 pm End : 21-Jun-101 02:18:39 pm
SAMSUNG/SPH-I300/1;1908.75MHz;W;Helical/Out;
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/40.400/1.820



SAR Scan
File : 01062122_ZOOM
Start : 21-Jun-101 02:09:20 pm End : 21-Jun-101 02:18:39 pm
SAMSUNG/SPH-I300/1;1908.75MHz;W;Helical/Out;
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/40.400/1.820

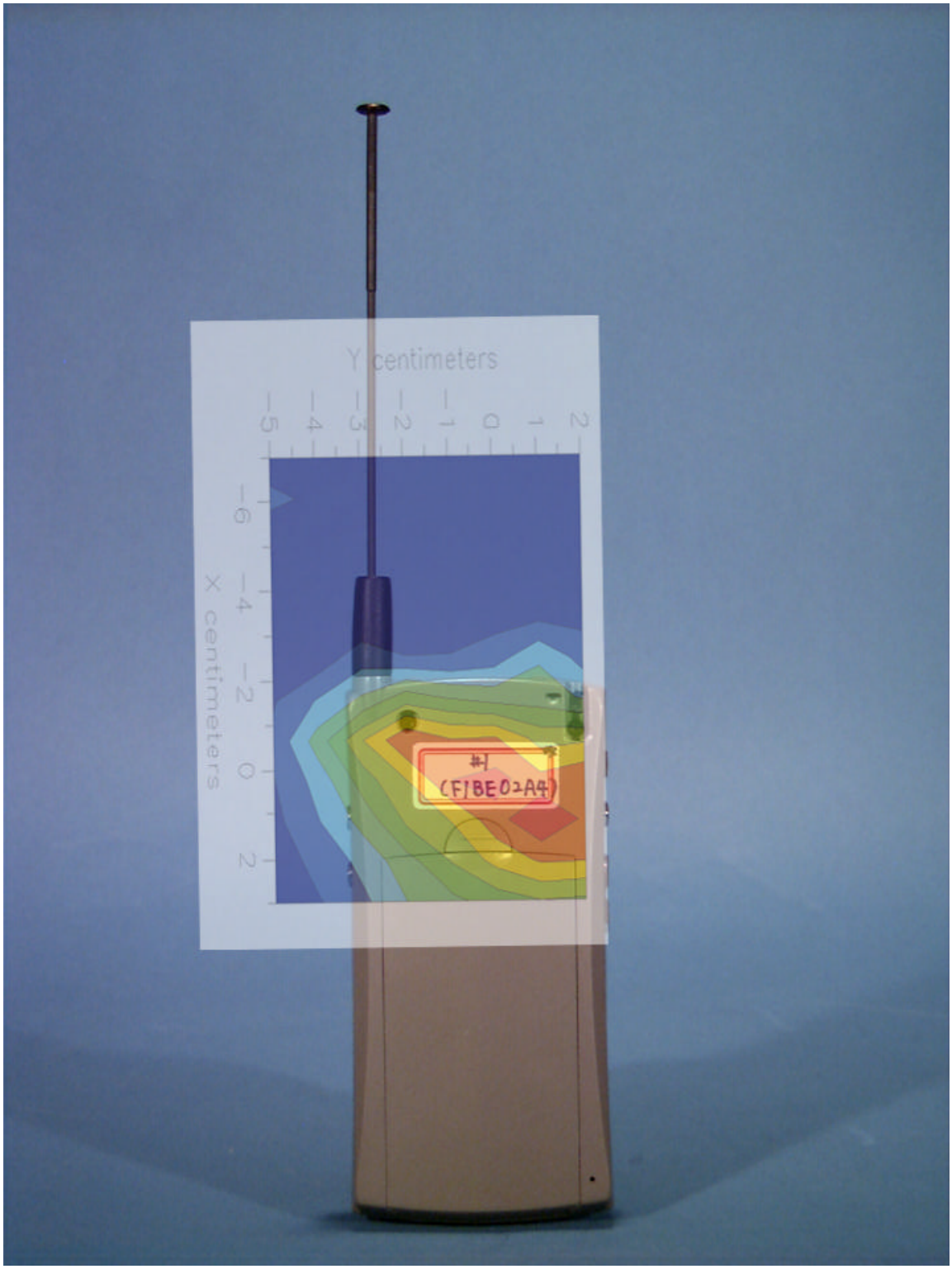


File : 01062122_ZOOM
Start : 21-Jun-101 02:09:20 pm End : 21-Jun-101 02:18:39 pm
SAMSUNG/SPH-I300/1;1908.75MHz;W;Helical/Out;
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/40.400/1.820



Peak SAR Location

1800 MHz Body SAR



File : c:/idx3/SYSTEM/SARMEAS3/data/Normal/01062614_ZOOM.VLT
Start : 26-Jun-101 02:24:54 pm End : 26-Jun-101 02:33:45 pm

Radio Type   : SAMSUNG
Model Number   : SPH-I300
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   : Body
Phantom Posn.   : Abdomen
Scan Type   : ZOOM/SAR
Probe Name   : PCTEST
Field Type   : E Field
Orientation   : 0 Degrees

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

Comment :
    SAMSUNG DUAL-BAND PHONE - PCS MODE
    CH 0025   Conducted 23.0 dBm
    SAMSUNG DUAL-BAND 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 =   0.750, Y =   0.000, Z =   0.000   (cm) Value =   5.287

Measured Values (volts) =
  5.197E-003 3.863E-003 2.821E-003 2.031E-003 1.570E-003 1.215E-003
  9.469E-004 7.408E-004 5.379E-004 4.150E-004 3.394E-004 2.727E-004
  2.480E-004 1.818E-004 1.286E-004 1.388E-004 8.187E-005 8.805E-005
  8.427E-005 4.624E-005 3.384E-005

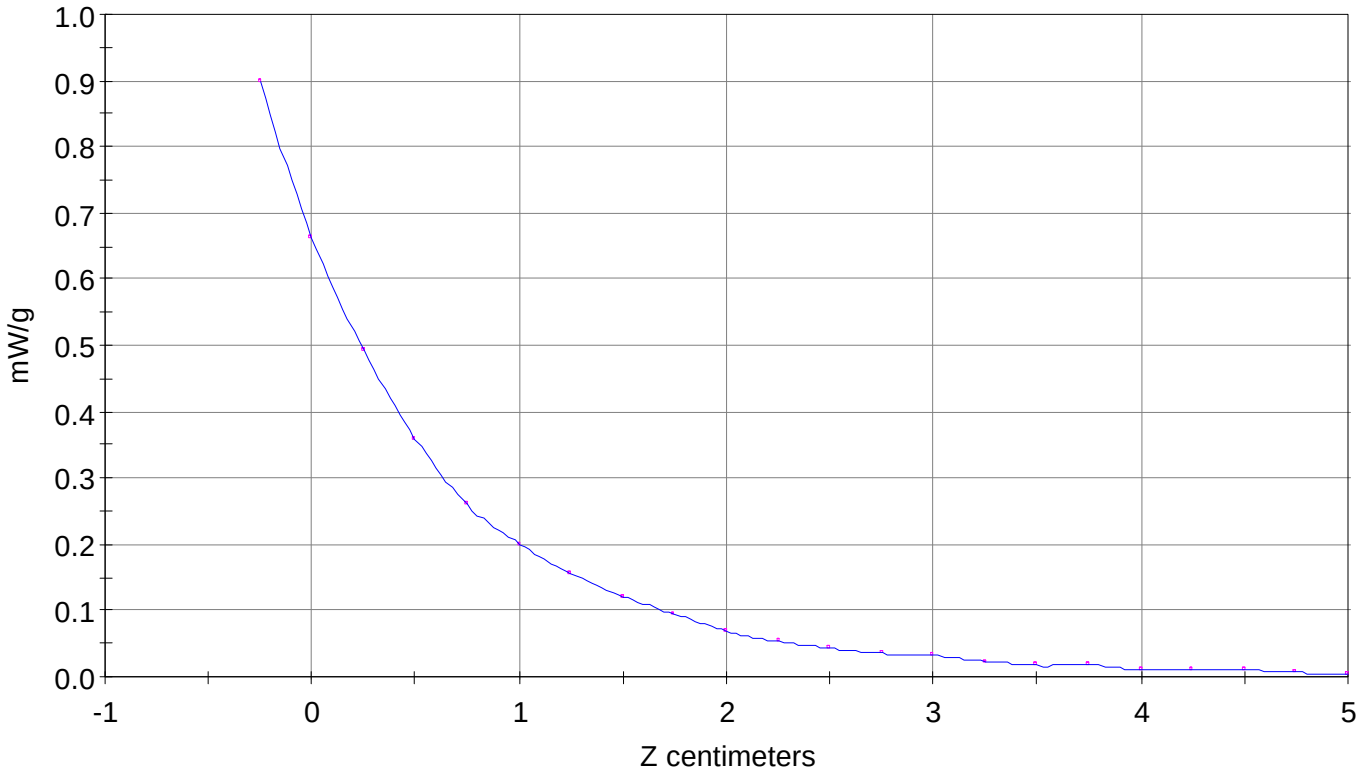
Calc. Voltage @ Surface (Vs) = 0.0071

Voltage @ 1.00 cm (Vt)   = 0.0020

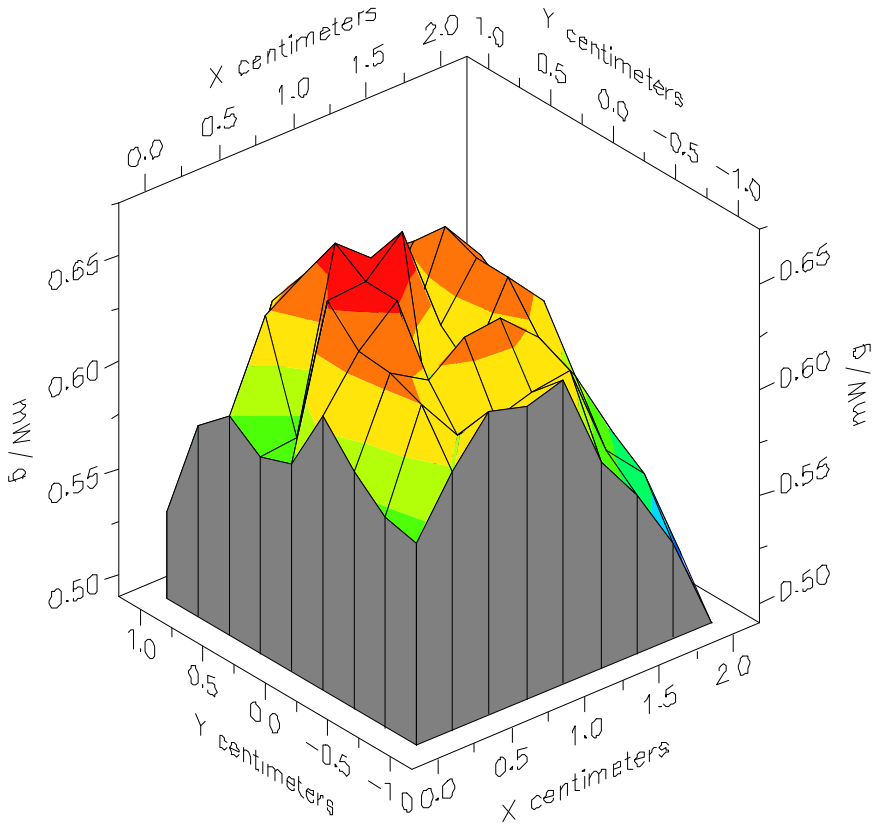
Ave. Voltage (Vs+Vt)/2   = 0.0045

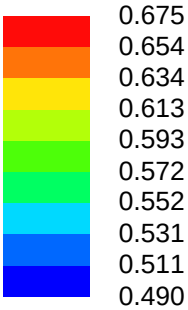
Ave. SAR over 1 g (mW/g)   = 0.5797

SAR Scan
File : 01062614_ZOOM
Start : 26-Jun-101 02:24:54 pm End : 26-Jun-101 02:33:45 pm
SAMSUNG/SPH-I300/1;1851.25MHz;W;Helical/In;
Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 DegreesMuscle/54.200/1.850

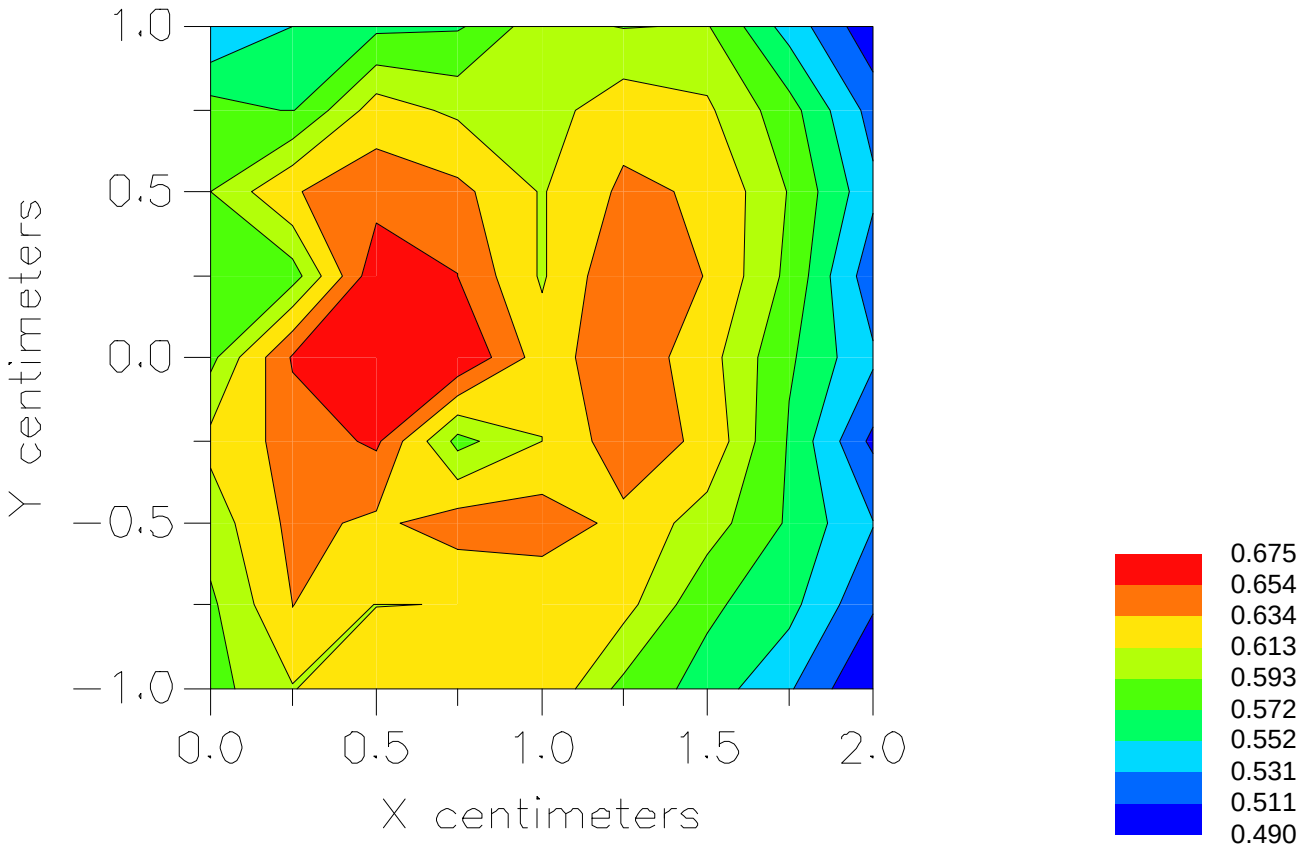


File : 01062614_ZOOM
Start : 26-Jun-101 02:24:54 pm End : 26-Jun-101 02:33:45 pm
SAMSUNG/SPH-I300/1;1851.25MHz;W;Helical/In;
Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 DegreesMuscle/54.200/1.850





File : 01062614_ZOOM
Start : 26-Jun-101 02:24:54 pm End : 26-Jun-101 02:33:45 pm
SAMSUNG/SPH-I300/1;1851.25MHz;W;Helical/In;
Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 DegreesMuscle/54.200/1.850



File : c:/idx3/SYSTEM/SARMEAS3/data/Normal/01062611_ZOOM.VLT
Start : 26-Jun-101 01:28:33 pm End : 26-Jun-101 01:38:56 pm

Radio Type   : SAMSUNG
Model Number   : SPH-I300
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   : Body
Phantom Posn.   : Abdomen
Scan Type   : ZOOM/SAR
Probe Name   : PCTEST
Field Type   : E Field
Orientation   : 0 Degrees

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

Comment :
    SAMSUNG DUAL-BAND PHONE - PCS MODE
    CH 0025   Conducted 23.0 dBm
    SAMSUNG DUAL-BAND 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 = -6.250, Y = -3.250, Z =   0.000   (cm) Value =   5.205

Measured Values (volts) =
  5.010E-003 4.177E-003 2.984E-003 1.709E-003 8.995E-004 6.148E-004
  7.845E-004 1.068E-003 1.047E-003 6.820E-004 2.467E-004 1.509E-004
  1.501E-004 1.120E-004 1.128E-004 7.953E-005 8.402E-005 5.068E-005
  6.137E-005 4.363E-005 5.734E-005

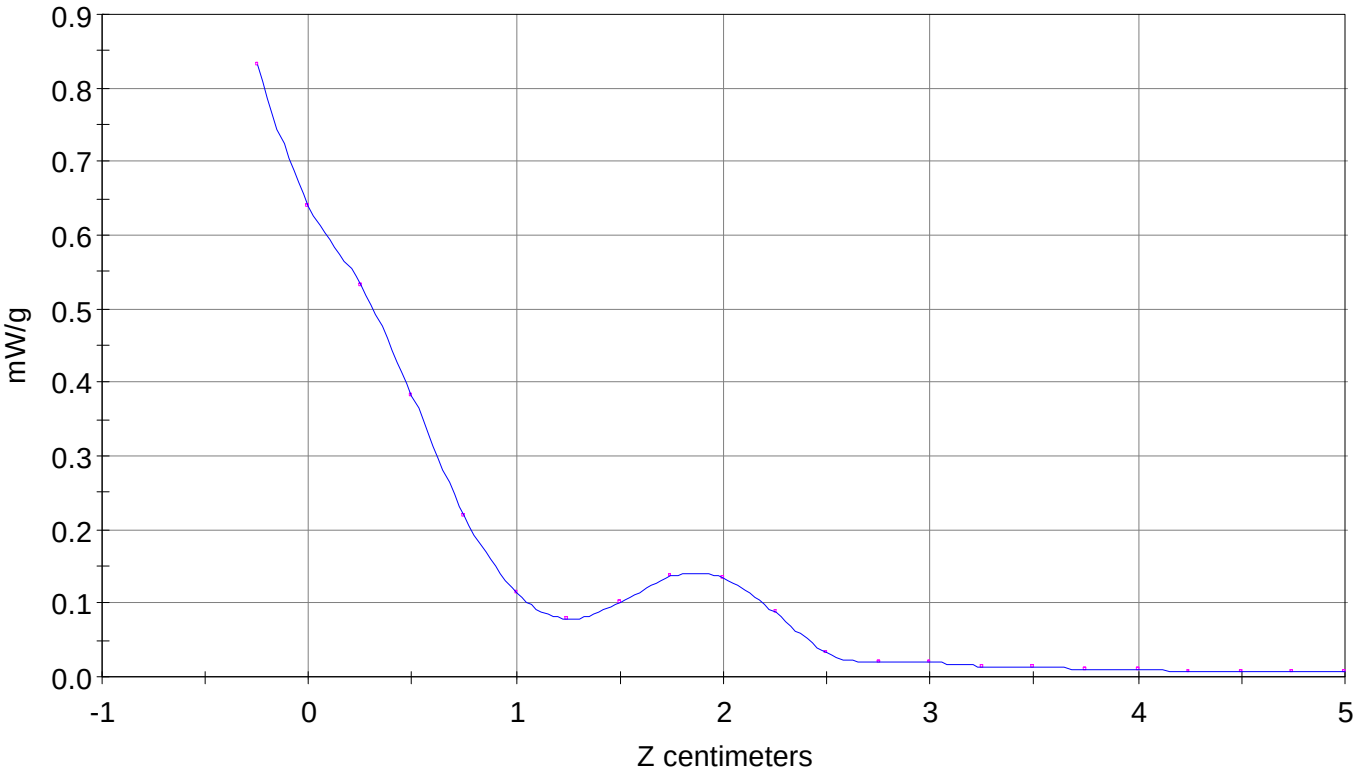
Calc. Voltage @ Surface (Vs) = 0.0065

Voltage @ 1.00 cm (Vt)   = 0.0017

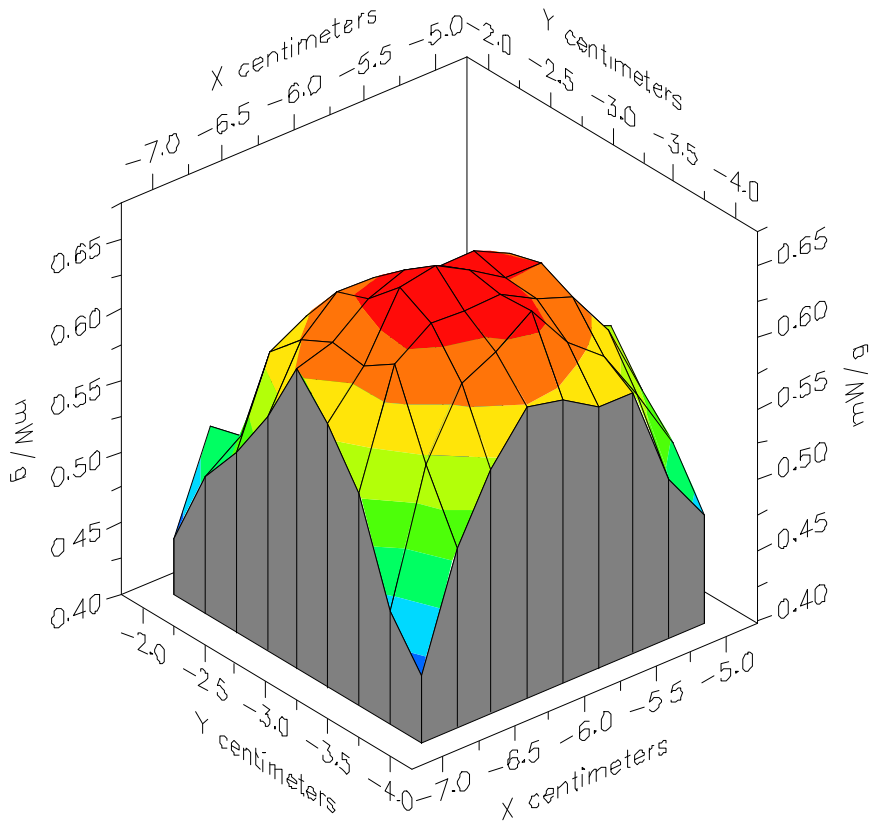
Ave. Voltage (Vs+Vt)/2   = 0.0041

Ave. SAR over 1 g (mW/g)   = 0.5245

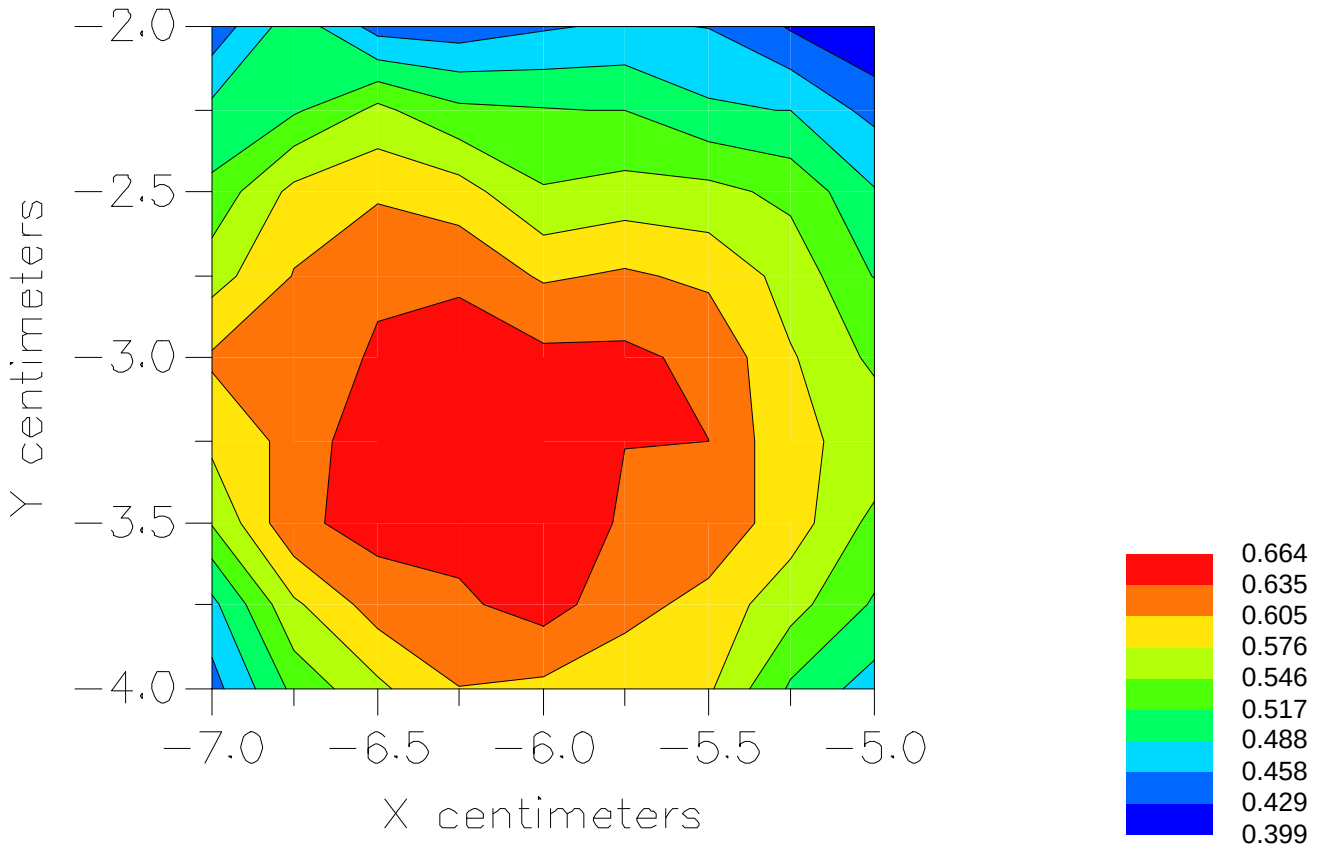
SAR Scan
File : 01062611_ZOOM
Start : 26-Jun-101 01:28:33 pm End : 26-Jun-101 01:38:56 pm
SAMSUNG/SPH-I300/1;1851.25MHz;W;Helical/Out;
Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 DegreesMuscle/54.200/1.850



File : 01062611_ZOOM
Start : 26-Jun-101 01:28:33 pm End : 26-Jun-101 01:38:56 pm
SAMSUNG/SPH-I300/1;1851.25MHz;W;Helical/Out;
Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 DegreesMuscle/54.200/1.850



File : 01062611_ZOOM
Start : 26-Jun-101 01:28:33 pm End : 26-Jun-101 01:38:56 pm
SAMSUNG/SPH-I300/1;1851.25MHz;W;Helical/Out;
Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 DegreesMuscle/54.200/1.850



File : c:/idx3/SYSTEM/SARMEAS3/data/Normal/01062617_ZOOM.VLT
Start : 26-Jun-101 03:02:04 pm End : 26-Jun-101 03:16:09 pm

Radio Type   : SAMSUNG
Model Number   : SPH-I300
Serial Number   : 1
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 :
    SAMSUNG DUAL-BAND PHONE - PCS MODE
    CH 0600   Conducted 23.0 dBm
    SAMSUNG DUAL-BAND 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 =   0.500, Y =   0.000, Z =   0.000   (cm) Value =   4.485

Measured Values (volts) =
  4.387E-003 3.410E-003 2.396E-003 1.729E-003 1.320E-003 1.004E-003
  7.911E-004 5.957E-004 4.597E-004 3.326E-004 2.687E-004 2.263E-004
  2.111E-004 1.822E-004 9.856E-005 8.224E-005 6.538E-005 1.028E-004
  3.959E-005 1.301E-005 1.866E-005

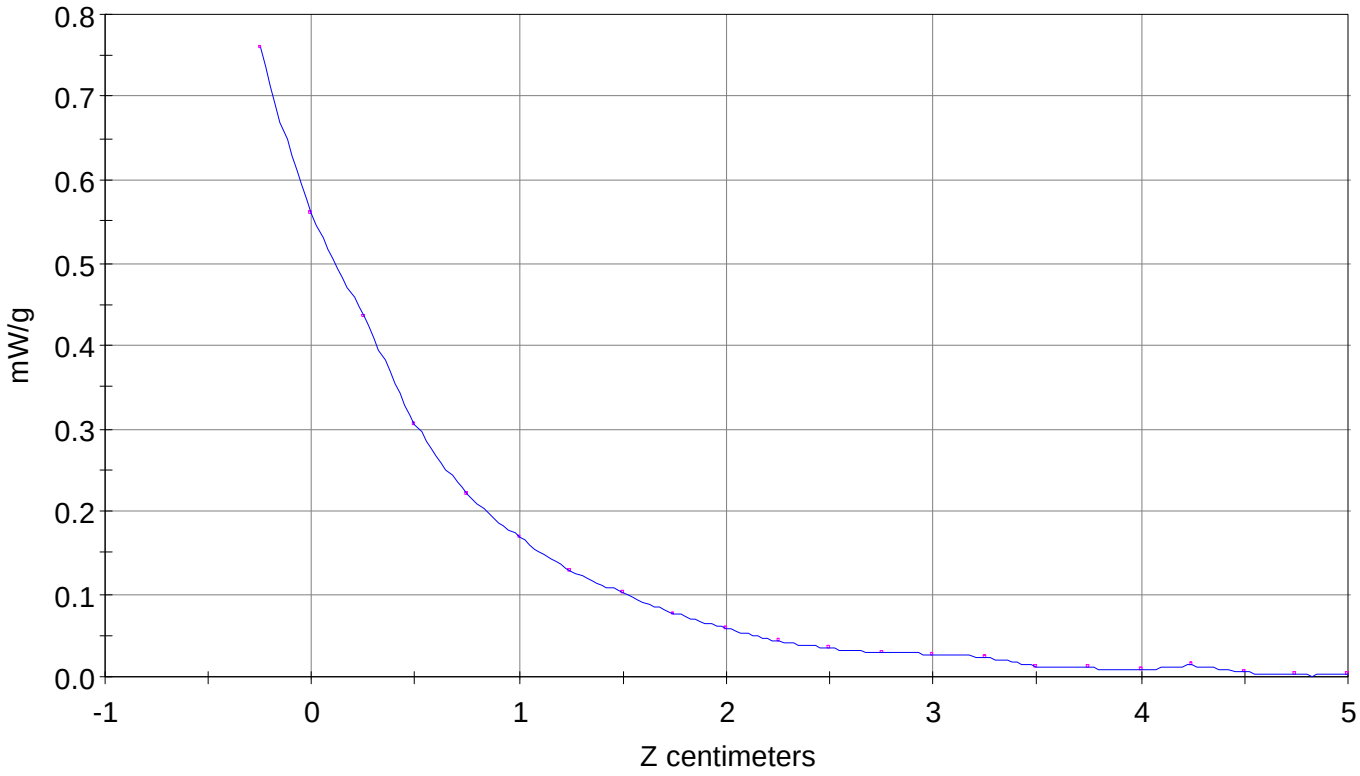
Calc. Voltage @ Surface (Vs) = 0.0059

Voltage @ 1.00 cm (Vt)   = 0.0017

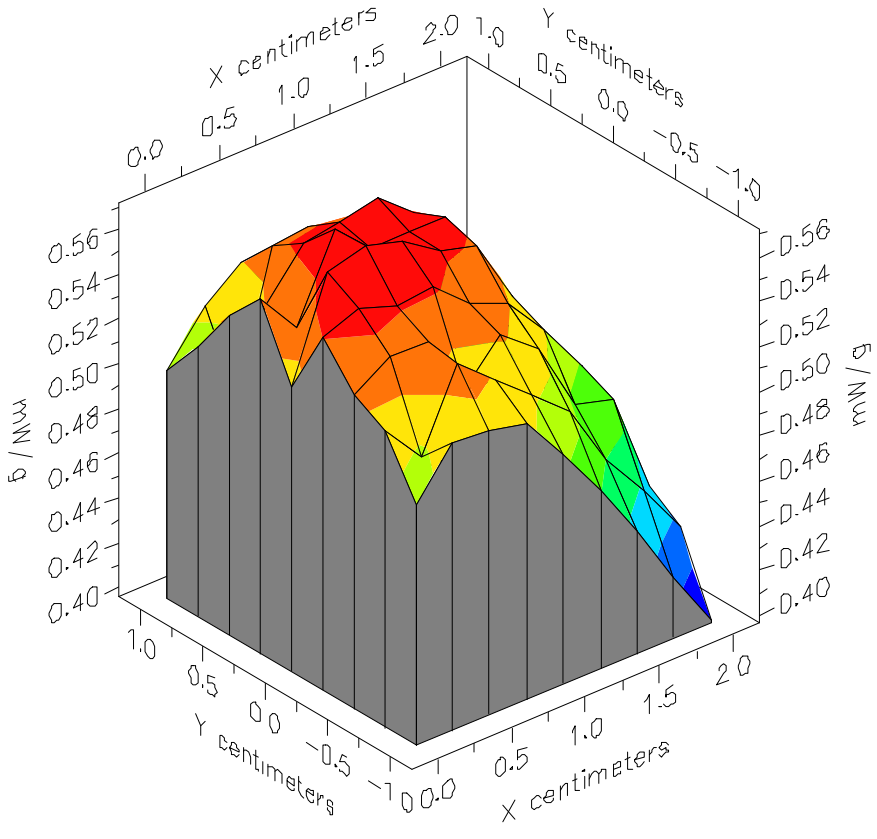
Ave. Voltage (Vs+Vt)/2   = 0.0038

Ave. SAR over 1 g (mW/g)   = 0.4895

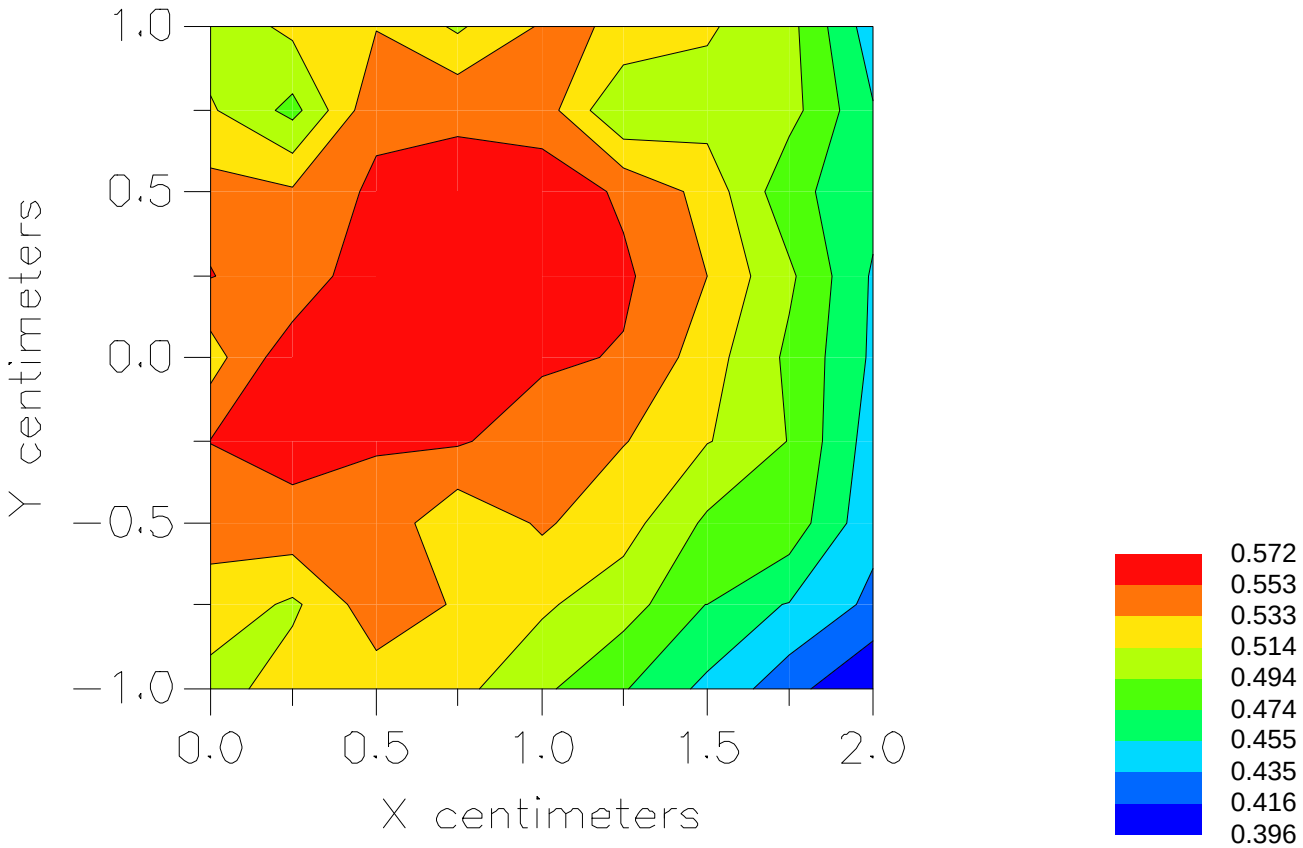
SAR Scan
File : 01062617_ZOOM
Start : 26-Jun-101 03:02:04 pm End : 26-Jun-101 03:16:09 pm
SAMSUNG/SPH-I300/1;1880.00MHz;W;Helical/In;
Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 DegreesMuscle/54.200/1.850



File : 01062617_ZOOM
Start : 26-Jun-101 03:02:04 pm End : 26-Jun-101 03:16:09 pm
SAMSUNG/SPH-I300/1;1880.00MHz;W;Helical/In;
Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 DegreesMuscle/54.200/1.850



File : 01062617_ZOOM
Start : 26-Jun-101 03:02:04 pm End : 26-Jun-101 03:16:09 pm
SAMSUNG/SPH-I300/1;1880.00MHz;W;Helical/In;
Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 DegreesMuscle/54.200/1.850



File : c:/idx3/SYSTEM/SARMEAS3/data/Normal/01062618_ZOOM.VLT
Start : 26-Jun-101 03:24:00 pm End : 26-Jun-101 03:34:16 pm

Radio Type   : SAMSUNG
Model Number   : SPH-I300
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   : Body
Phantom Posn.   : Abdomen
Scan Type   : ZOOM/SAR
Probe Name   : PCTEST
Field Type   : E Field
Orientation   : 0 Degrees

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

Comment :
    SAMSUNG DUAL-BAND PHONE - PCS MODE
    CH 0600   Conducted 23.0 dBm
    SAMSUNG DUAL-BAND 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 = -6.500, Y = -3.000, Z =   0.000   (cm) Value =   6.568

Measured Values (volts) =
  6.063E-003 5.271E-003 3.664E-003 2.156E-003 1.142E-003 7.335E-004
  9.459E-004 1.278E-003 1.094E-003 8.489E-004 2.113E-004 1.485E-004
  1.216E-004 9.655E-005 8.205E-005 5.871E-005 4.077E-005 2.629E-005
  3.507E-005 0.000E+000 4.044E-005

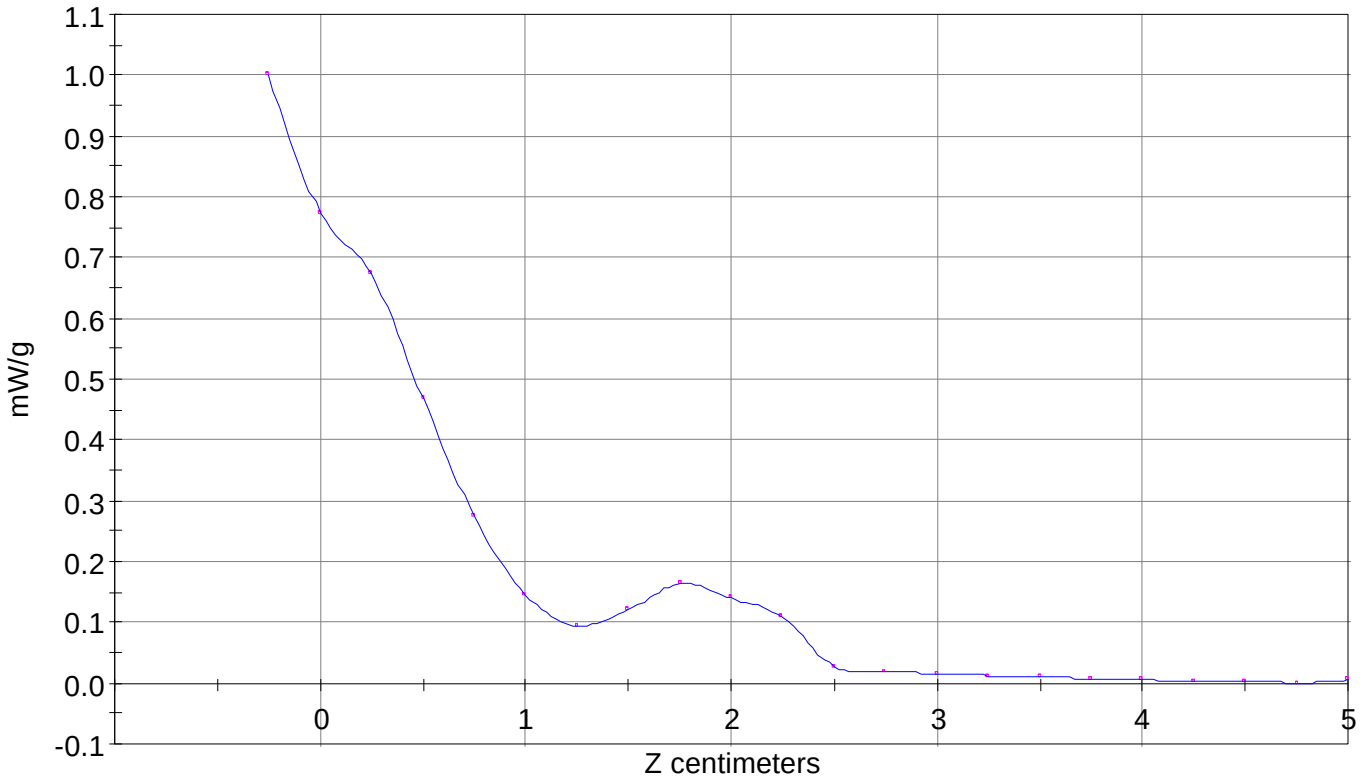
Calc. Voltage @ Surface (Vs) = 0.0078

Voltage @ 1.00 cm (Vt)   = 0.0022

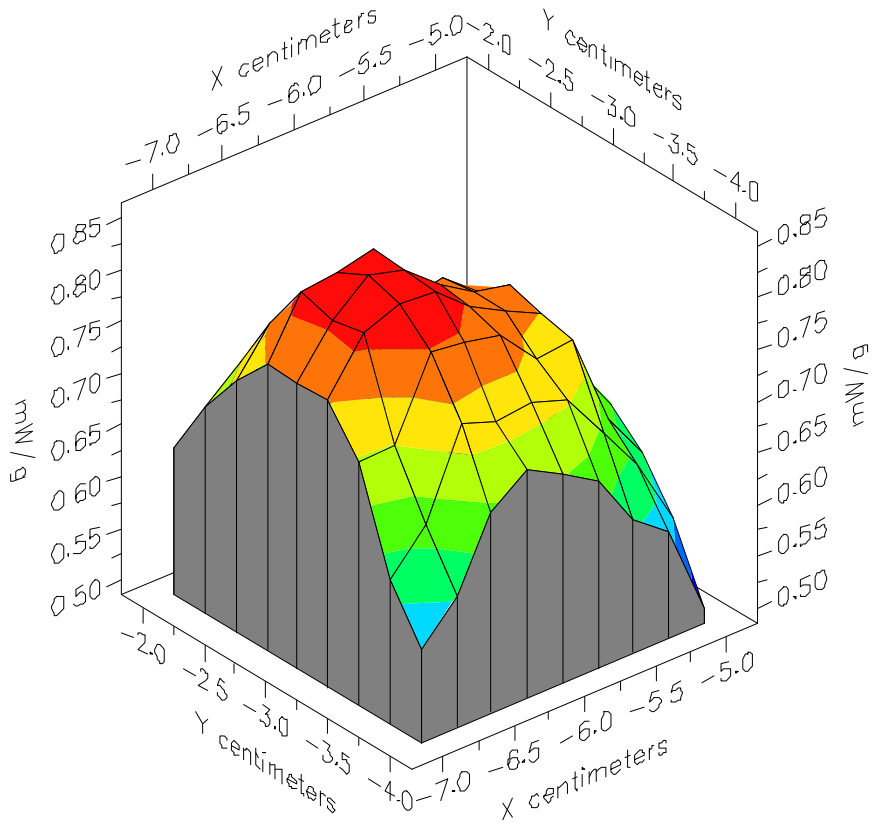
Ave. Voltage (Vs+Vt)/2   = 0.0050

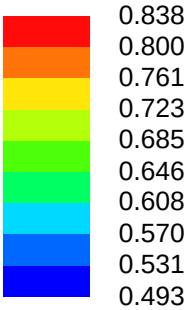
Ave. SAR over 1 g (mW/g)   = 0.6382

SAR Scan
File : 01062618_ZOOM
Start : 26-Jun-101 03:24:00 pm End : 26-Jun-101 03:34:16 pm
SAMSUNG/SPH-I300/1;1880.00MHz;W;Helical/Out;
Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 DegreesMuscle/54.200/1.850

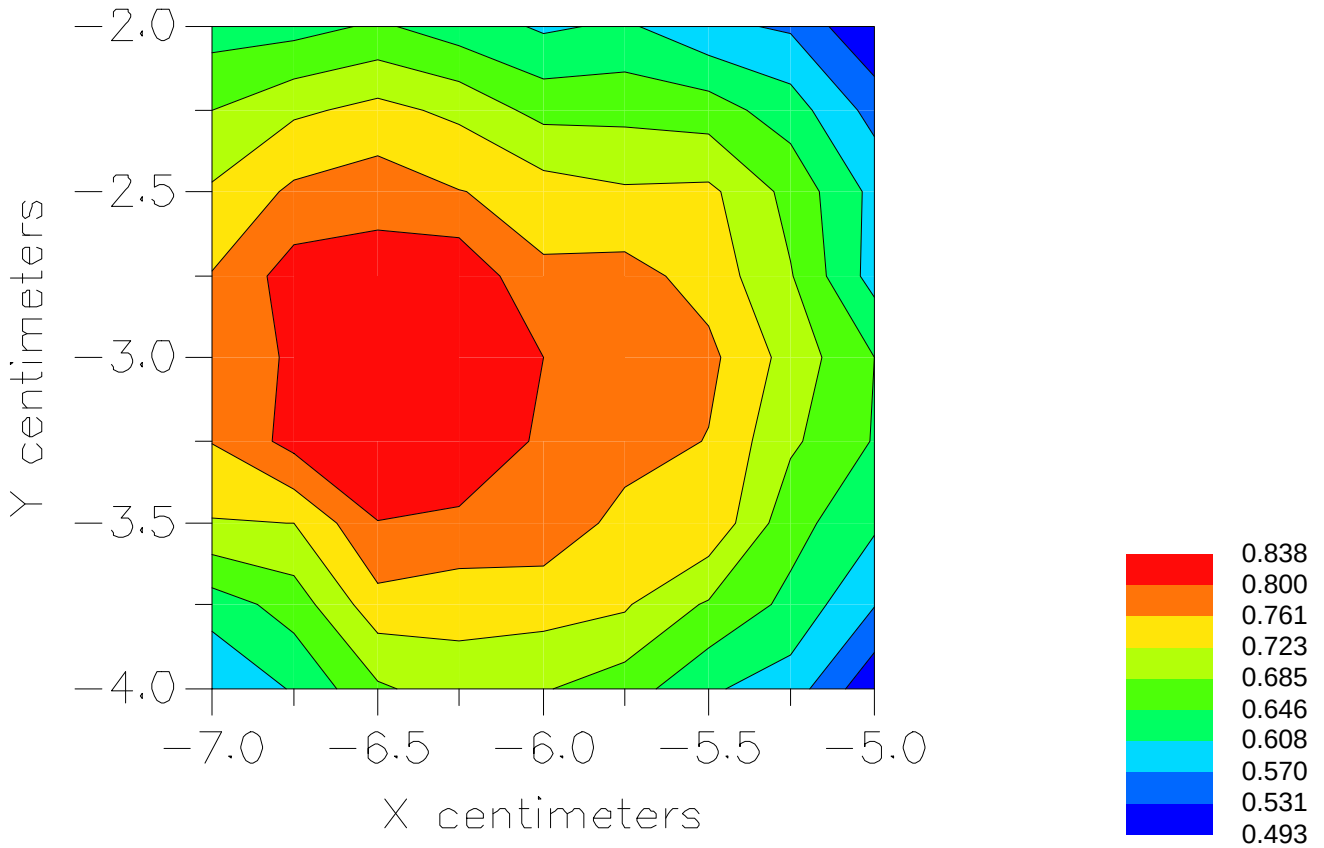


File : 01062618_ZOOM
Start : 26-Jun-101 03:24:00 pm End : 26-Jun-101 03:34:16 pm
SAMSUNG/SPH-I300/1;1880.00MHz;W;Helical/Out;
Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 DegreesMuscle/54.200/1.850





File : 01062618_ZOOM
Start : 26-Jun-101 03:24:00 pm End : 26-Jun-101 03:34:16 pm
SAMSUNG/SPH-I300/1;1880.00MHz;W;Helical/Out;
Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 DegreesMuscle/54.200/1.850



File : c:/idx3/SYSTEM/SARMEAS3/data/Normal/01062615_ZOOM.VLT
Start : 26-Jun-101 02:36:57 pm End : 26-Jun-101 02:45:47 pm

Radio Type   : SAMSUNG
Model Number   : SPH-I300
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   : Body
Phantom Posn.   : Abdomen
Scan Type   : ZOOM/SAR
Probe Name   : PCTEST
Field Type   : E Field
Orientation   : 0 Degrees

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

Comment :
    SAMSUNG DUAL-BAND PHONE - PCS MODE
    CH 1175   Conducted 23.0 dBm
    SAMSUNG DUAL-BAND 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 =   0.750, Y =   0.000, Z =   0.000   (cm) Value =   5.232

Measured Values (volts) =
  5.089E-003 3.957E-003 2.773E-003 2.062E-003 1.555E-003 1.208E-003
  9.288E-004 7.239E-004 5.320E-004 3.779E-004 3.430E-004 2.962E-004
  2.301E-004 2.023E-004 1.253E-004 1.204E-004 8.873E-005 8.722E-005
  7.896E-005 6.364E-005 2.905E-005

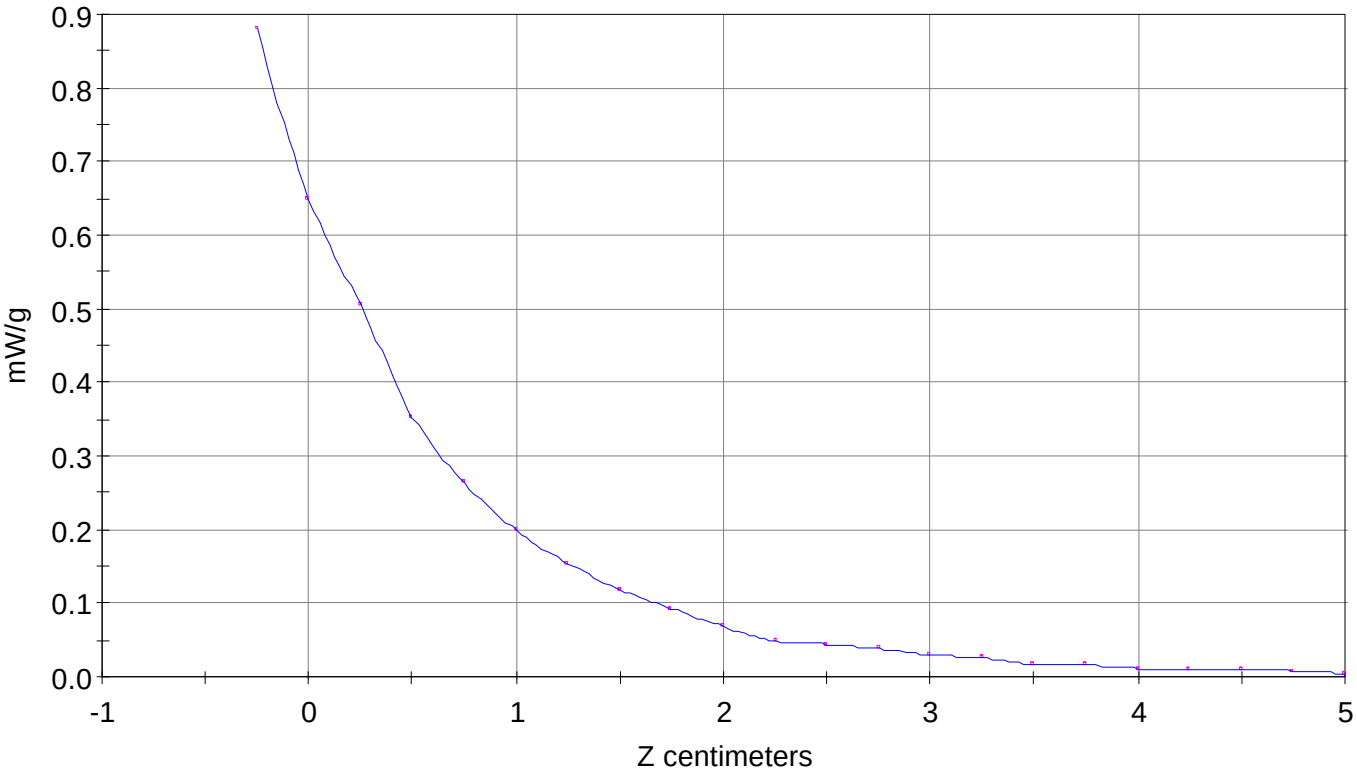
Calc. Voltage @ Surface (Vs) = 0.0069

Voltage @ 1.00 cm (Vt)   = 0.0021

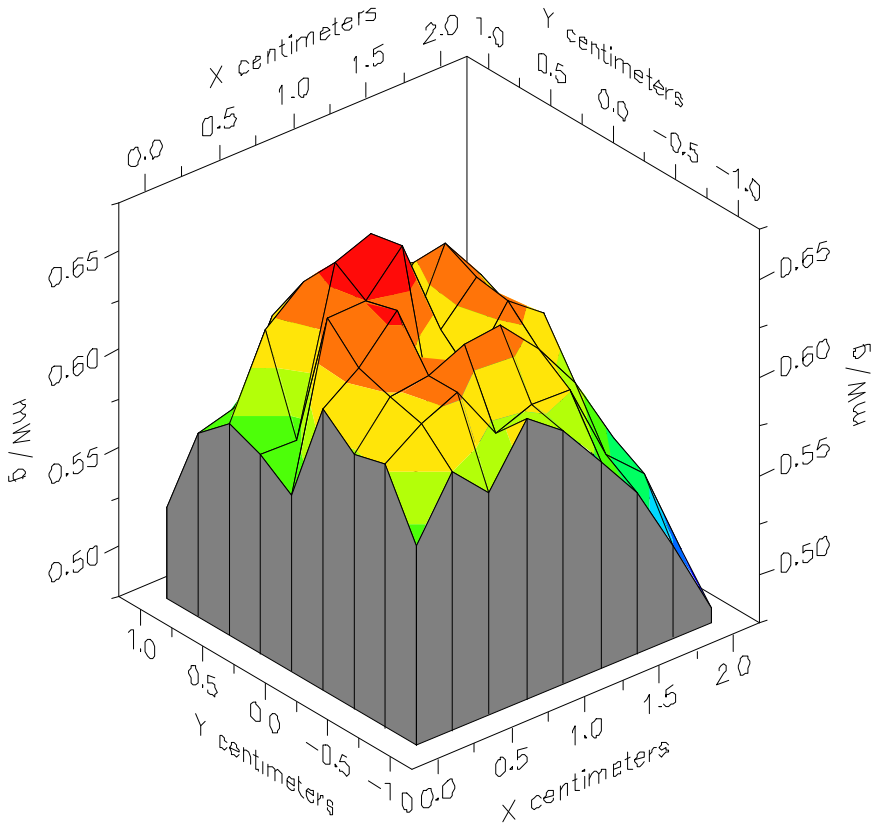
Ave. Voltage (Vs+Vt)/2   = 0.0045

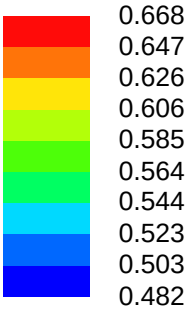
Ave. SAR over 1 g (mW/g)   = 0.5719

SAR Scan
File : 01062615_ZOOM
Start : 26-Jun-101 02:36:57 pm End : 26-Jun-101 02:45:47 pm
SAMSUNG/SPH-I300/1;1908.75MHz;W;Helical/In;
Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 DegreesMuscle/54.200/1.850

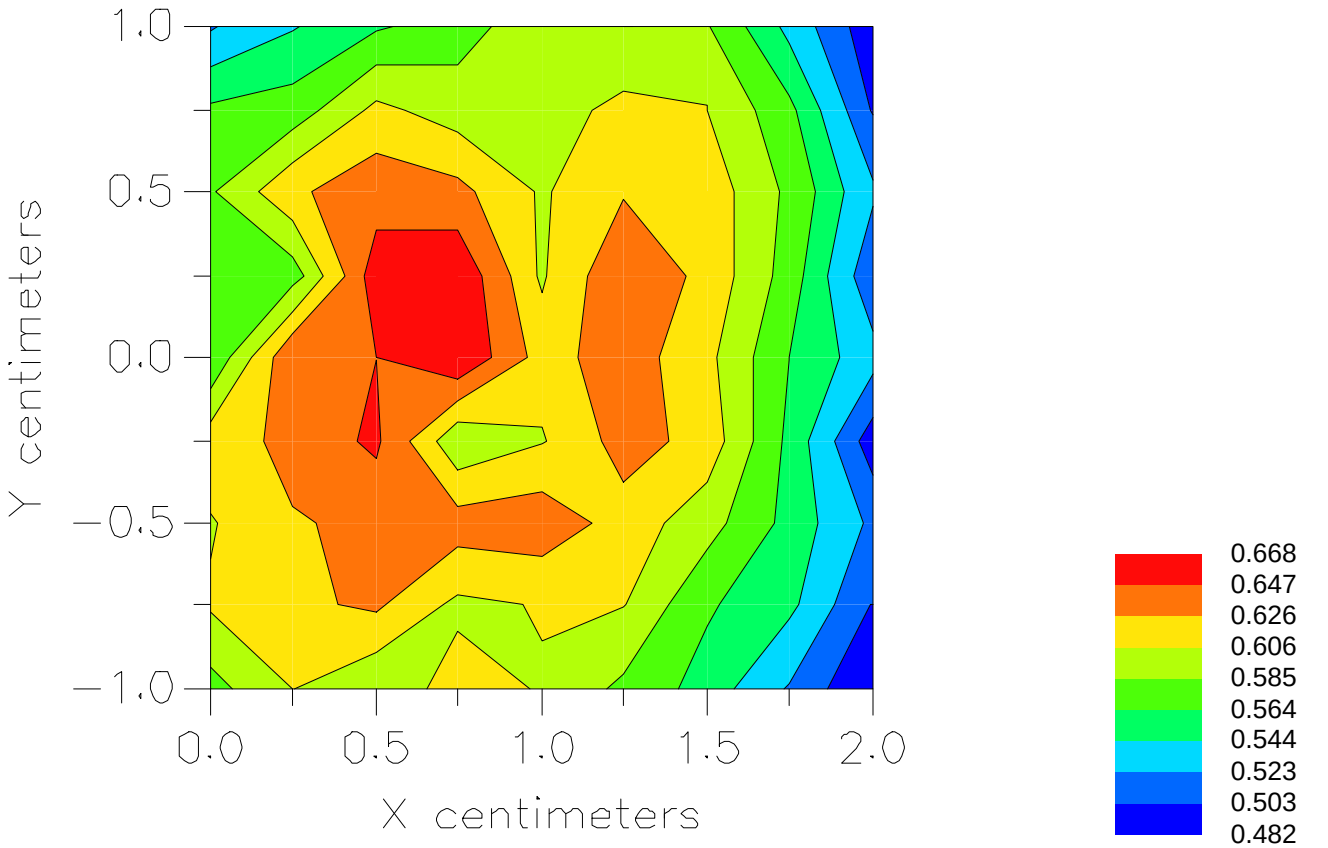


File : 01062615_ZOOM
Start : 26-Jun-101 02:36:57 pm End : 26-Jun-101 02:45:47 pm
SAMSUNG/SPH-I300/1;1908.75MHz;W;Helical/In;
Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 DegreesMuscle/54.200/1.850





File : 01062615_ZOOM
Start : 26-Jun-101 02:36:57 pm End : 26-Jun-101 02:45:47 pm
SAMSUNG/SPH-I300/1;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/01062612_ZOOM.VLT
Start : 26-Jun-101 01:40:44 pm End : 26-Jun-101 01:48:32 pm

Radio Type   : SAMSUNG
Model Number   : SPH-I300
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   : Body
Phantom Posn.   : Abdomen
Scan Type   : ZOOM/SAR
Probe Name   : PCTEST
Field Type   : E Field
Orientation   : 0 Degrees

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

Comment :
    SAMSUNG DUAL-BAND PHONE - PCS MODE
    CH 1175   Conducted 23.0 dBm
    SAMSUNG DUAL-BAND 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 = -6.500, Y = -3.250, Z =   0.000   (cm) Value =   5.959

Measured Values (volts) =
  5.756E-003 4.713E-003 3.114E-003 1.747E-003 8.637E-004 6.972E-004
  1.049E-003 1.233E-003 9.235E-004 6.240E-004 2.095E-004 1.478E-004
  1.047E-004 7.573E-005 7.728E-005 5.947E-005 3.996E-005 2.943E-005
  1.443E-005 1.279E-005 1.810E-005

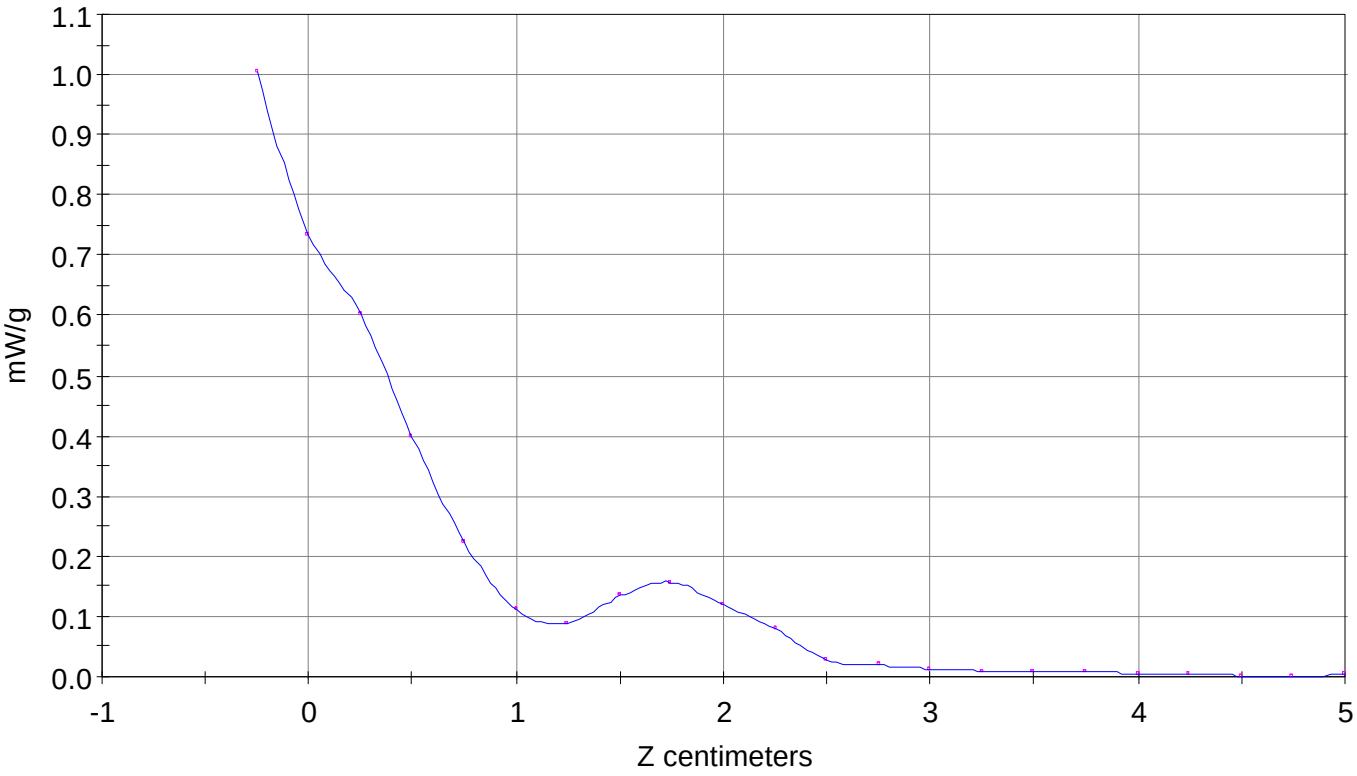
Calc. Voltage @ Surface (Vs) = 0.0079

Voltage @ 1.00 cm (Vt)   = 0.0017

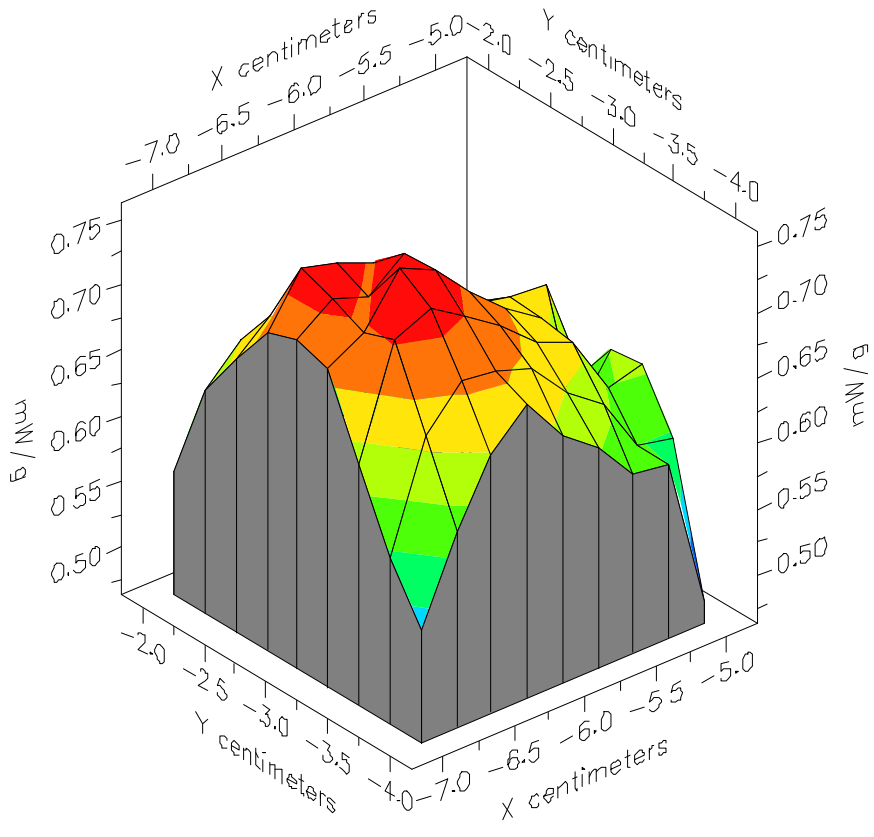
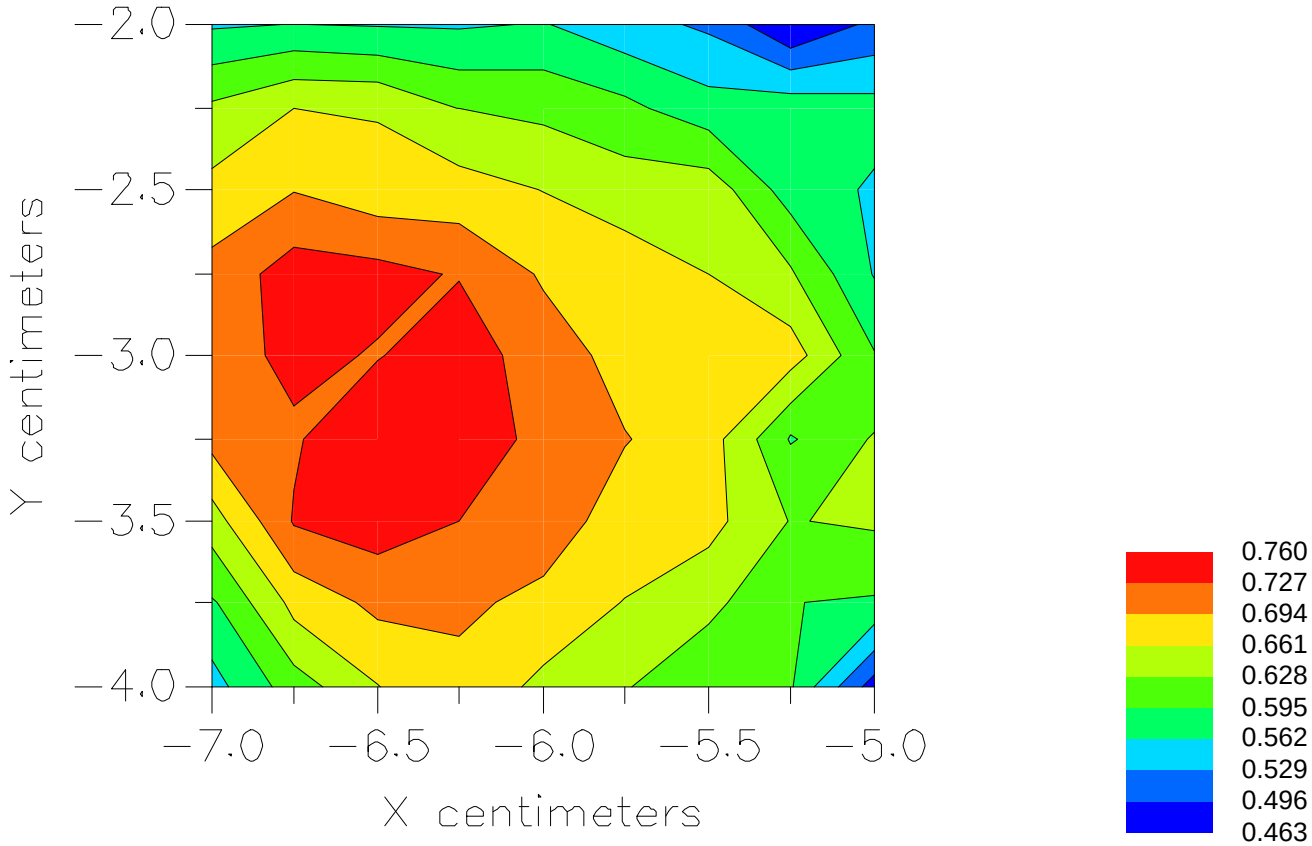
Ave. Voltage (Vs+Vt)/2   = 0.0048

Ave. SAR over 1 g (mW/g)   = 0.6135

SAR Scan
File : 01062612_ZOOM
Start : 26-Jun-101 01:40:44 pm End : 26-Jun-101 01:48:32 pm
SAMSUNG/SPH-I300/1;1908.75MHz;W;Helical/Out;
Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 DegreesMuscle/54.200/1.850



File : 01062612_ZOOM
Start : 26-Jun-101 01:40:44 pm End : 26-Jun-101 01:48:32 pm
SAMSUNG/SPH-I300/1;1908.75MHz;W;Helical/Out;
Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 DegreesMuscle/54.200/1.850



File : 01062612_ZOOM
Start : 26-Jun-101 01:40:44 pm End : 26-Jun-101 01:48:32 pm
SAMSUNG/SPH-I300/1;1908.75MHz;W;Helical/Out;
Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 DegreesMuscle/54.200/1.850