

File : c:/idx3/SYSTEM/SARMEAS3/data/Normal/00051916_ZOOM.VLT
Start : 19-May-100 02:27:49 pm End : 19-May-100 02:37:07 pm

Radio Type : SAMSUNG
Model Number : SPH-N100
Serial Number : B01E00DA
Frequency : 824.04 MHz
Peak Trans. Pwr : 0.355 W
Start Trans. Pwr: 0.355 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 = 43.400
Mixture Conductivity = 0.900

Comment :
SAMSUNG DUAL BAND PHONE FM MODE
CHAN 0991 25.5 dBm conducted
FCC ID:A3LSPHN100

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 = 1.000, Y = -3.750, Z = 0.000 (cm) Value = 14.858

Measured Values (volts) =
1.478E-002 1.134E-002 9.106E-003 7.240E-003 5.877E-003 4.953E-003
4.248E-003 3.740E-003 3.361E-003 3.001E-003 2.680E-003 2.293E-003
1.861E-003 1.425E-003 1.080E-003 7.955E-004 6.334E-004 6.213E-004
7.052E-004 8.393E-004 9.929E-004

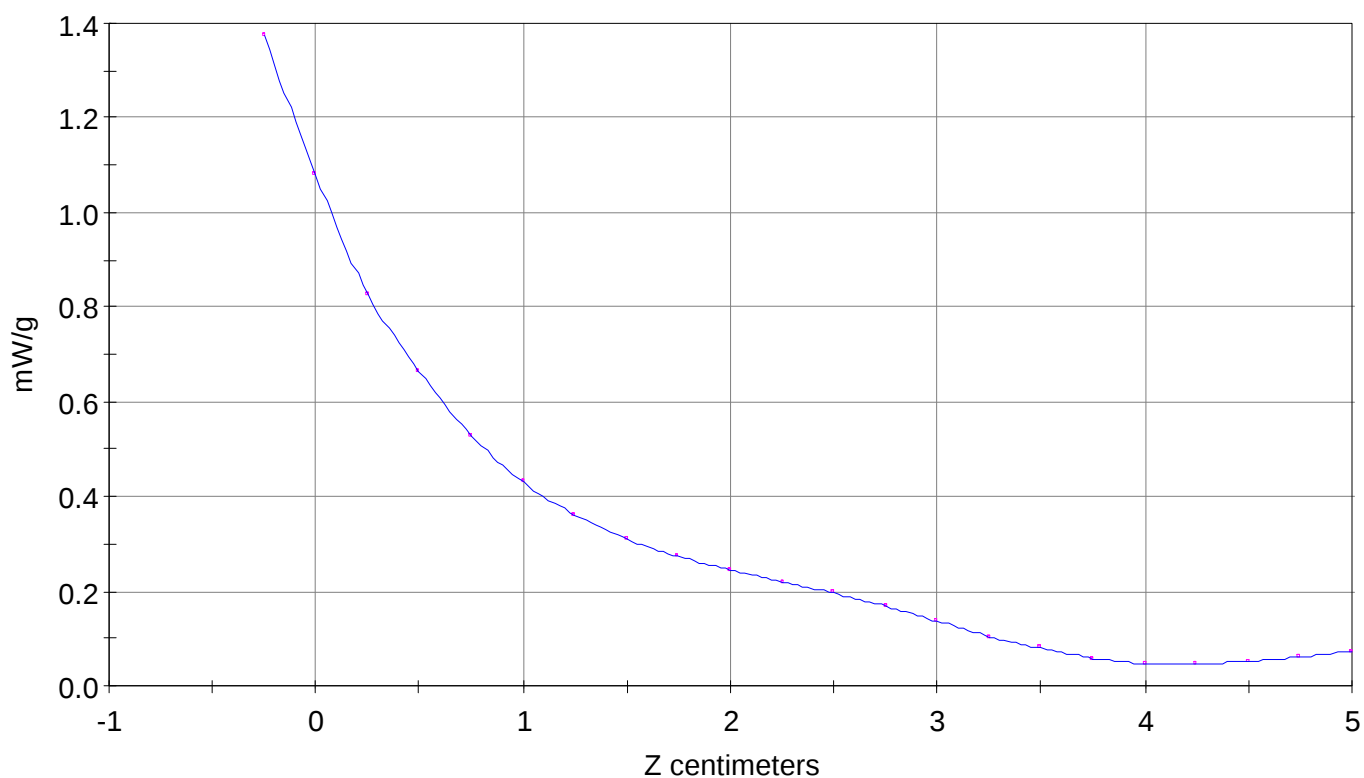
Calc. Voltage @ Surface (Vs) = 0.0188

Voltage @ 1.00 cm (Vt) = 0.0072

Ave. Voltage (Vs+Vt)/2 = 0.0130

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

SAR Scan
File : 00051916_ZOOM
Start : 19-May-100 02:27:49 pm End : 19-May-100 02:37:07 pm
SAMSUNG/SPH-N100/B01E00DA;824.04MHz;W;Helical/In;
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/43.400/0.900

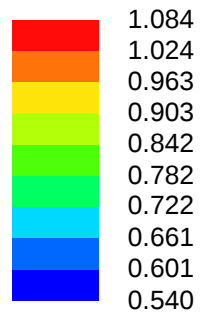
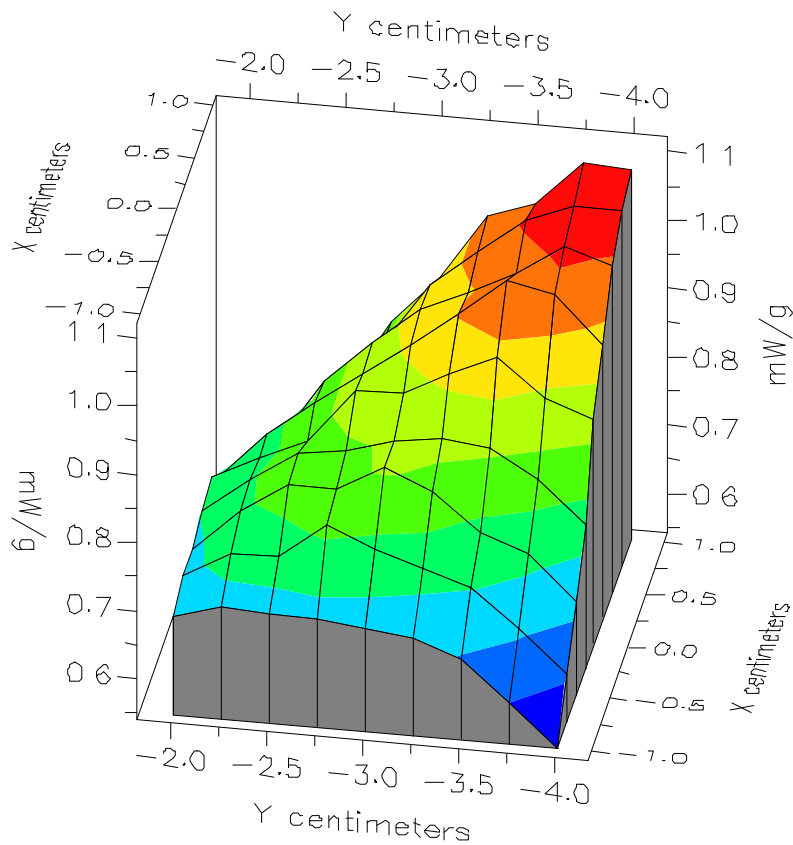


File : 00051916_ZOOM

Start : 19-May-100 02:27:49 pm End : 19-May-100 02:37:07 pm

SAMSUNG/SPH-N100/B01E00DA;824.04MHz;W;Helical/In;

Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/43.400/0.900

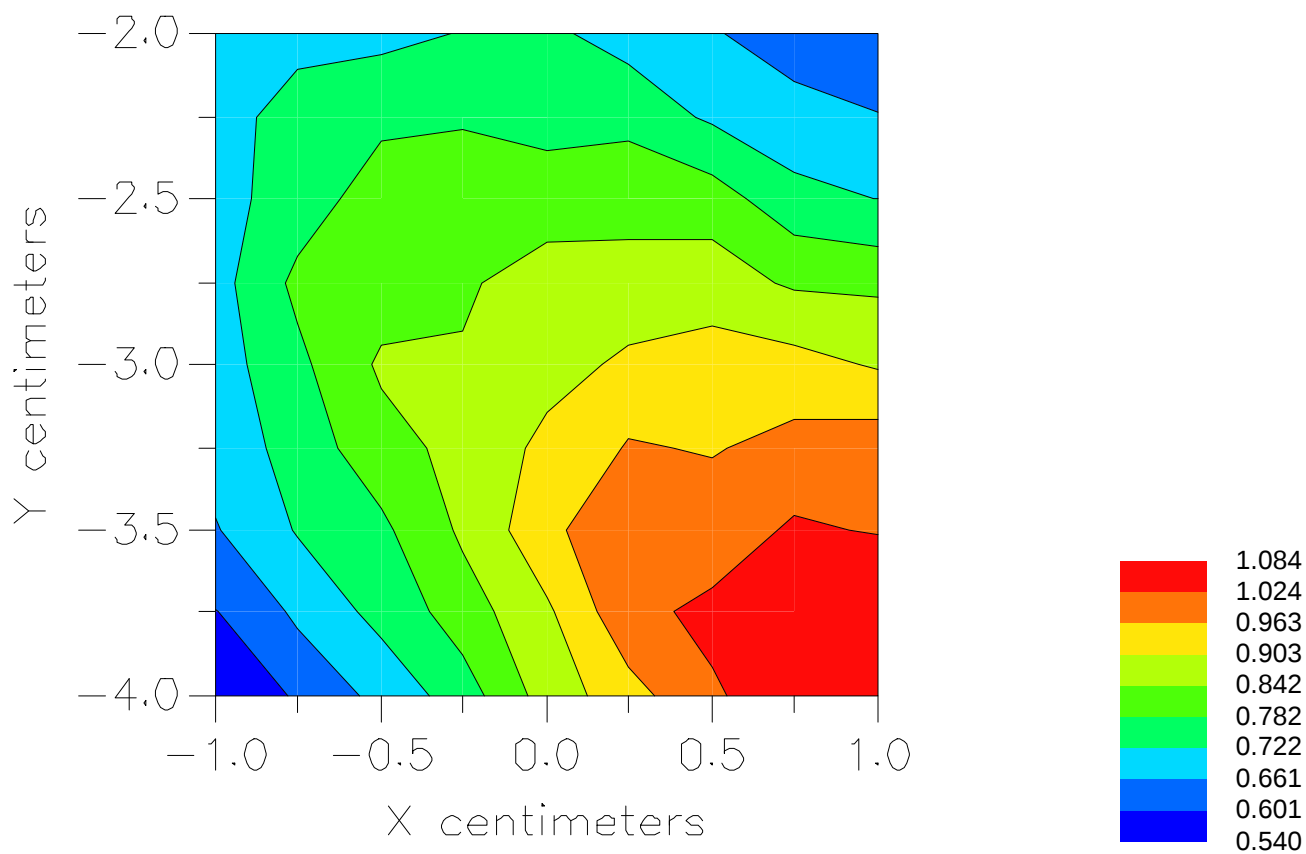


File : 00051916_ZOOM

Start : 19-May-100 02:27:49 pm End : 19-May-100 02:37:07 pm

SAMSUNG/SPH-N100/B01E00DA;824.04MHz;W;Helical/In;

Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/43.400/0.900



File : c:/idx3/SYSTEM/SARMEAS3/data/Normal/00051917_ZOOM.VLT
Start : 19-May-100 02:48:38 pm End : 19-May-100 02:57:56 pm

Radio Type : SAMSUNG
Model Number : SPH-N100
Serial Number : B01E00DA
Frequency : 824.04 MHz
Peak Trans. Pwr : 0.355 W
Start Trans. Pwr: 0.355 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 = 43.400
Mixture Conductivity = 0.900

Comment :
SAMSUNG DUAL BAND PHONE FM MODE
CHAN 0991 25.5 dBm conducted
FCC ID:A3LSPHN100

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 = 1.000, Y = -3.750, Z = 0.000 (cm) Value = 12.693

Measured Values (volts) =
1.270E-002 9.506E-003 7.705E-003 6.115E-003 5.063E-003 4.188E-003
3.618E-003 3.148E-003 2.816E-003 2.459E-003 2.176E-003 1.804E-003
1.460E-003 1.127E-003 8.364E-004 6.399E-004 5.186E-004 5.002E-004
5.776E-004 6.707E-004 7.813E-004

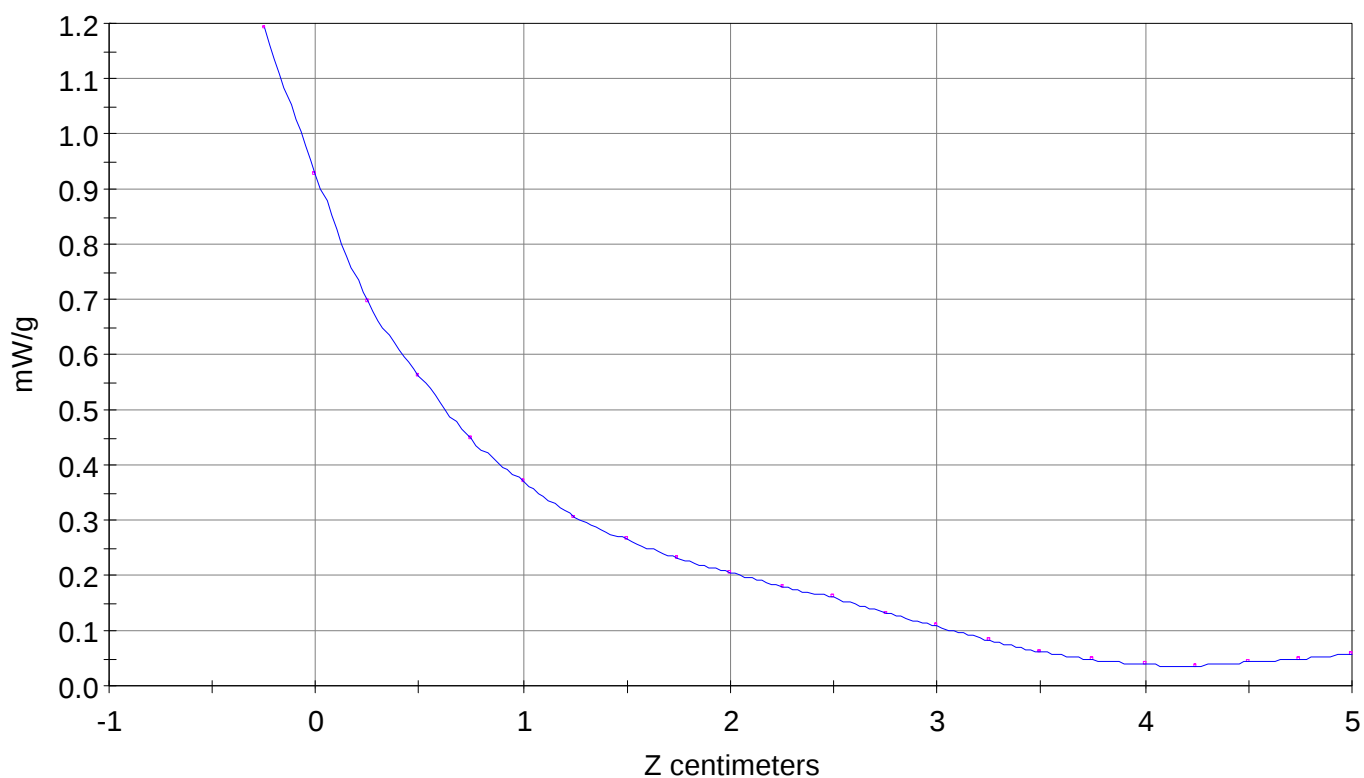
Calc. Voltage @ Surface (Vs) = 0.0163

Voltage @ 1.00 cm (Vt) = 0.0061

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

Ave. SAR over 1 g (mW/g) = 0.8181

SAR Scan
File : 00051917_ZOOM
Start : 19-May-100 02:48:38 pm End : 19-May-100 02:57:56 pm
SAMSUNG/SPH-N100/B01E00DA;824.04MHz;W;Helical/Out;
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/43.400/0.900

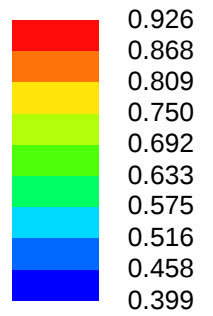
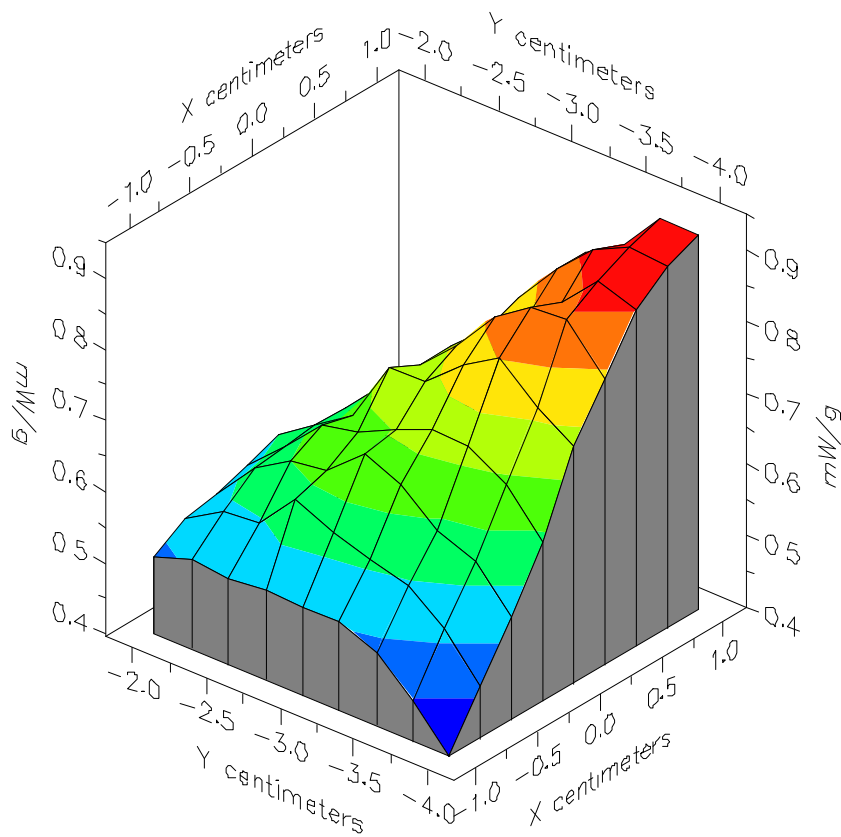


File : 00051917_ZOOM

Start : 19-May-100 02:48:38 pm End : 19-May-100 02:57:56 pm

SAMSUNG/SPH-N100/B01E00DA;824.04MHz;W;Helical/Out;

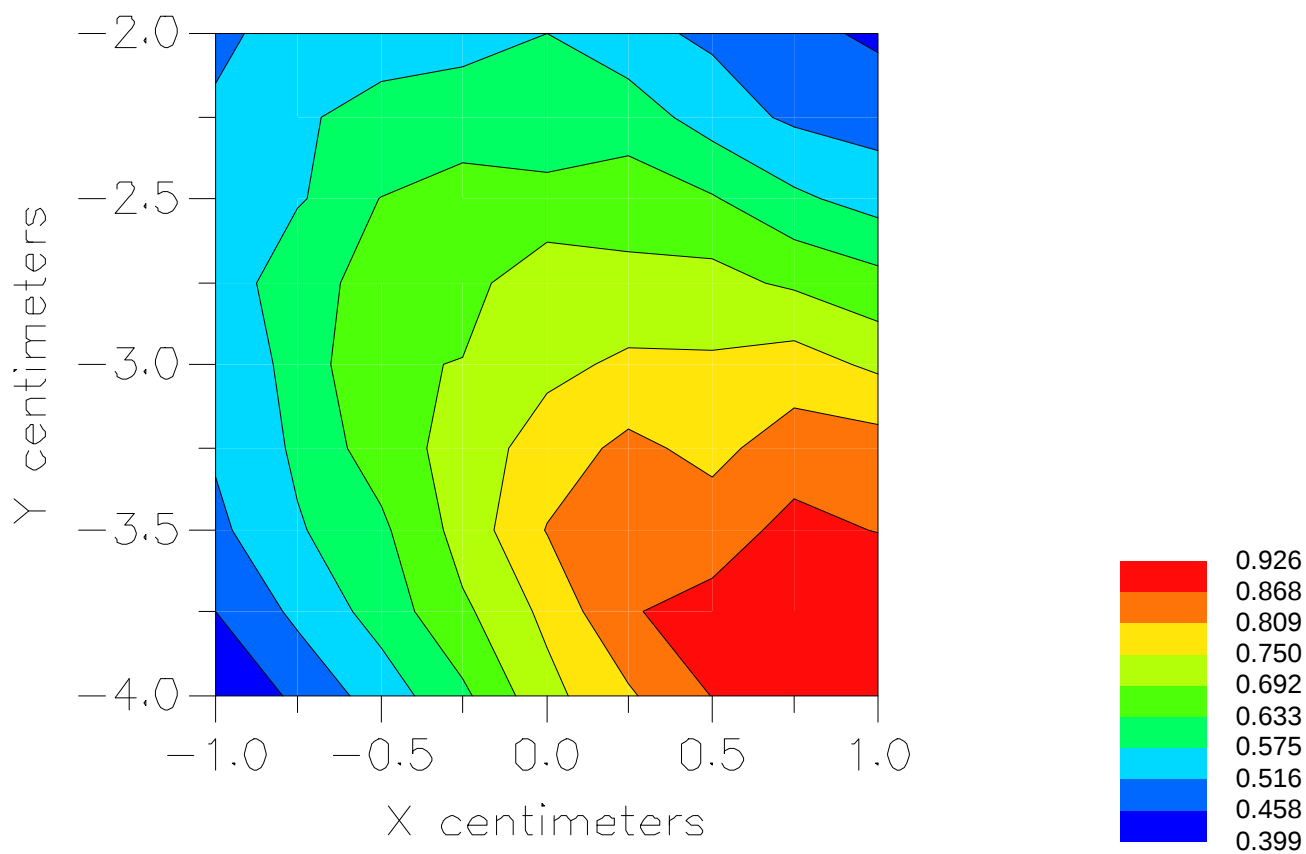
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/43.400/0.900



File : 00051917_ZOOM

Start : 19-May-100 02:48:38 pm End : 19-May-100 02:57:56 pm

SAMSUNG/SPH-N100/B01E00DA;824.04MHz;W;Helical/Out;
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/43.400/0.900



File : c:/idx3/SYSTEM/SARMEAS3/data/Normal/00051913_ZOOM.VLT
Start : 19-May-100 01:45:57 pm End : 19-May-100 01:57:52 pm

Radio Type : SAMSUNG
Model Number : SPH-N100
Serial Number : B01E00DA
Frequency : 837.0 MHz
Peak Trans. Pwr : 0.355 W
Start Trans. Pwr: 0.355 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 = 43.400
Mixture Conductivity = 0.900

Comment :
SAMSUNG DUAL BAND PHONE FM MODE
CHAN 0400 25.5 dBm conducted
FCC ID:A3LSPHN100

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 = 1.000, Y = -3.500, Z = 0.000 (cm) Value = 14.667

Measured Values (volts) =
1.472E-002 1.128E-002 8.984E-003 7.320E-003 6.079E-003 4.999E-003
4.291E-003 3.768E-003 3.365E-003 3.015E-003 2.725E-003 2.315E-003
1.919E-003 1.508E-003 1.108E-003 8.104E-004 6.255E-004 5.876E-004
6.552E-004 8.107E-004 9.257E-004

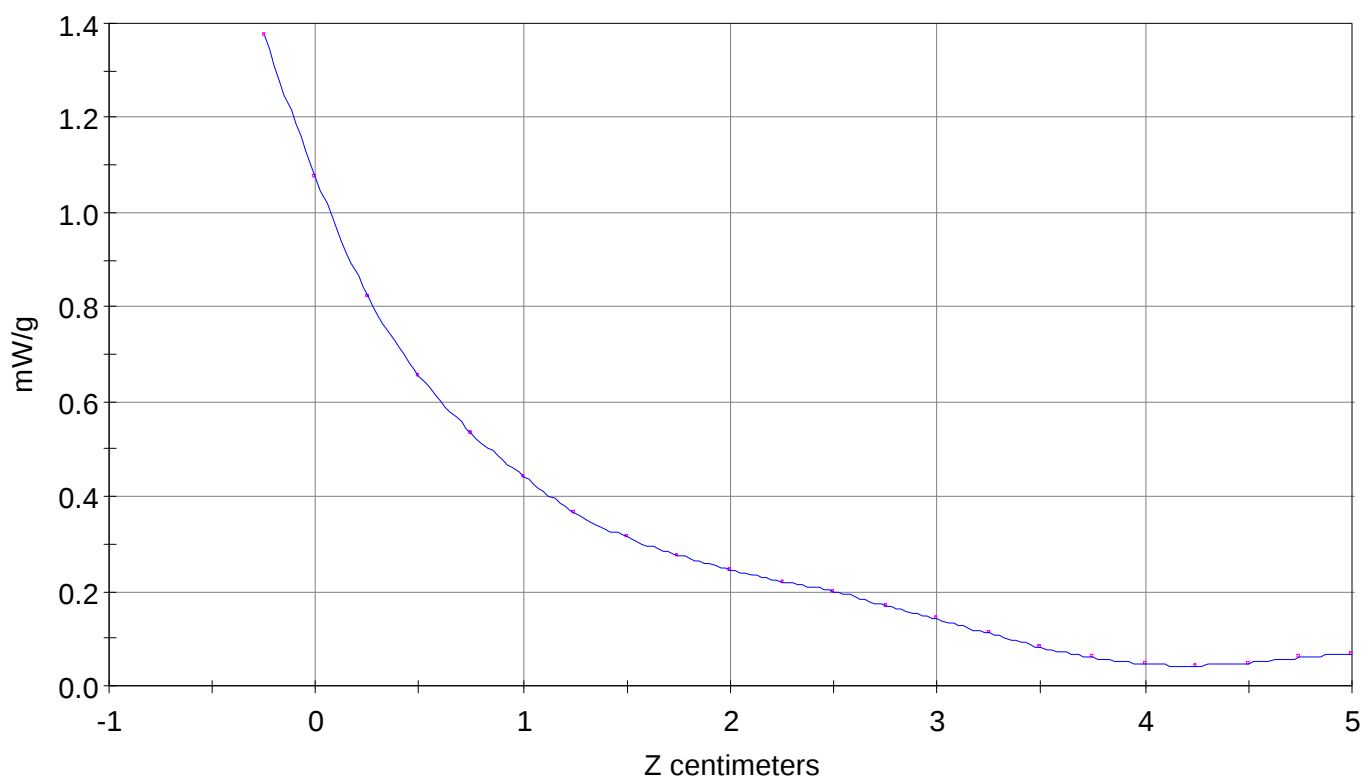
Calc. Voltage @ Surface (Vs) = 0.0188

Voltage @ 1.00 cm (Vt) = 0.0073

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

Ave. SAR over 1 g (mW/g) = 0.9547

SAR Scan
File : 00051913_ZOOM
Start : 19-May-100 01:45:57 pm End : 19-May-100 01:57:52 pm
SAMSUNG/SPH-N100/B01E00DA;837.0MHz;W;Helical/In;
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/43.400/0.900

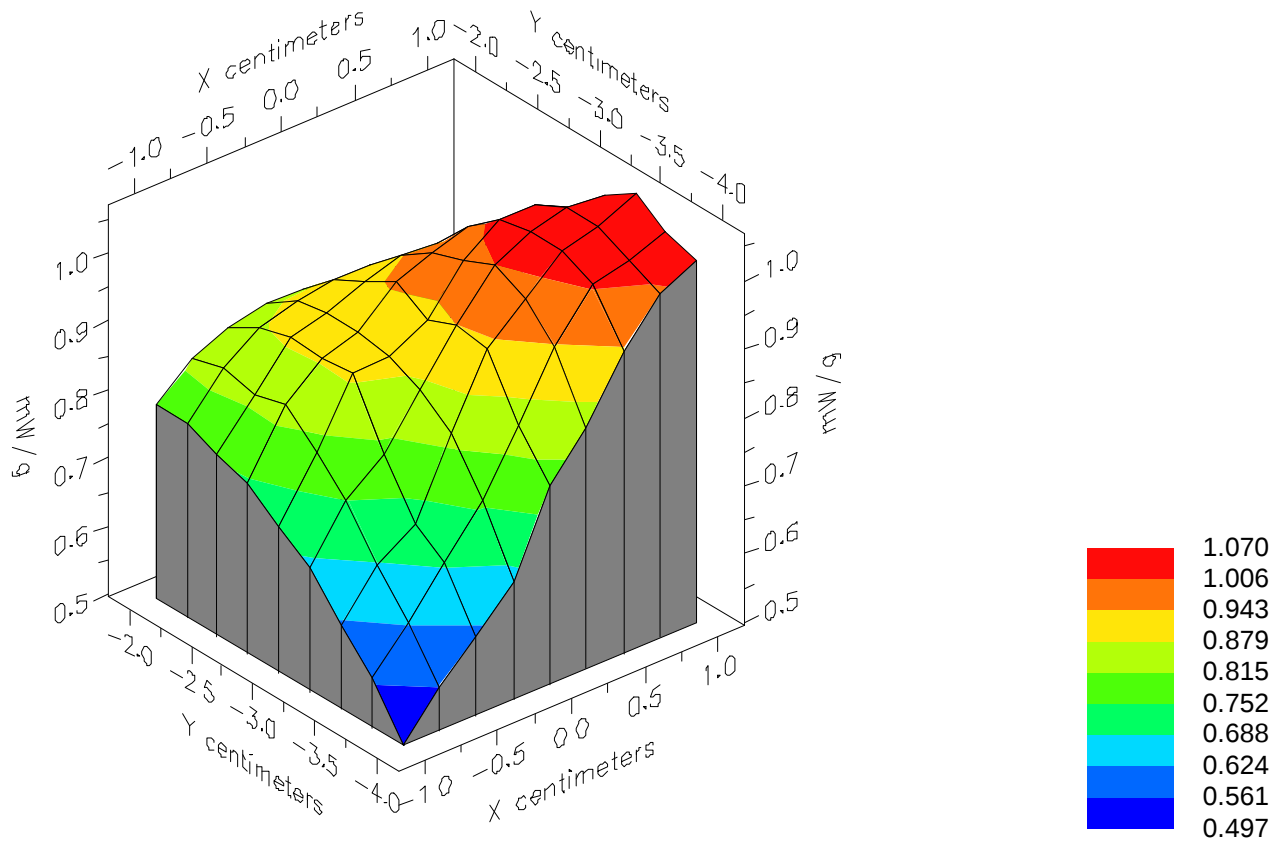


File : 00051913_ZOOM

Start : 19-May-100 01:45:57 pm End : 19-May-100 01:57:52 pm

SAMSUNG/SPH-N100/B01E00DA;837.0MHz;W;Helical/In;

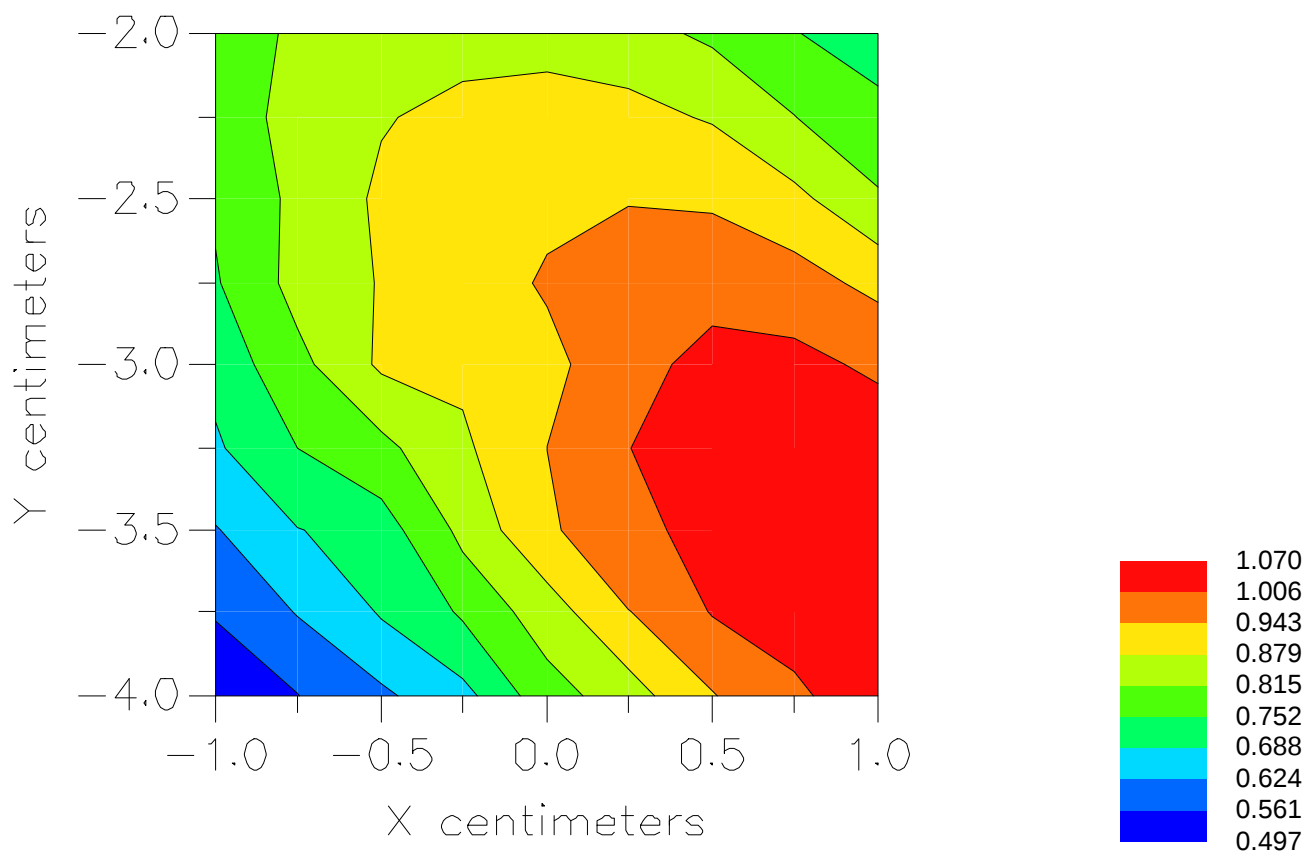
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/43.400/0.900



File : 00051913_ZOOM

Start : 19-May-100 01:45:57 pm End : 19-May-100 01:57:52 pm

SAMSUNG/SPH-N100/B01E00DA;837.0MHz;W;Helical/In;
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/43.400/0.900



File : c:/idx3/SYSTEM/SARMEAS3/data/Normal/00051914_ZOOM.VLT
Start : 19-May-100 02:06:58 pm End : 19-May-100 02:16:15 pm

Radio Type : SAMSUNG
Model Number : SPH-N100
Serial Number : B01E00DA
Frequency : 837.0 MHz
Peak Trans. Pwr : 0.355 W
Start Trans. Pwr: 0.355 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 = 43.400
Mixture Conductivity = 0.900

Comment :
SAMSUNG DUAL BAND PHONE FM MODE
CHAN 0400 25.5 dBm conducted
FCC ID:A3LSPHN100

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 = 1.000, Y = -3.750, Z = 0.000 (cm) Value = 14.340

Measured Values (volts) =
1.445E-002 1.152E-002 9.271E-003 7.446E-003 5.988E-003 5.068E-003
4.255E-003 3.709E-003 3.257E-003 2.895E-003 2.540E-003 2.161E-003
1.758E-003 1.356E-003 1.026E-003 7.153E-004 6.134E-004 5.314E-004
6.458E-004 7.329E-004 8.425E-004

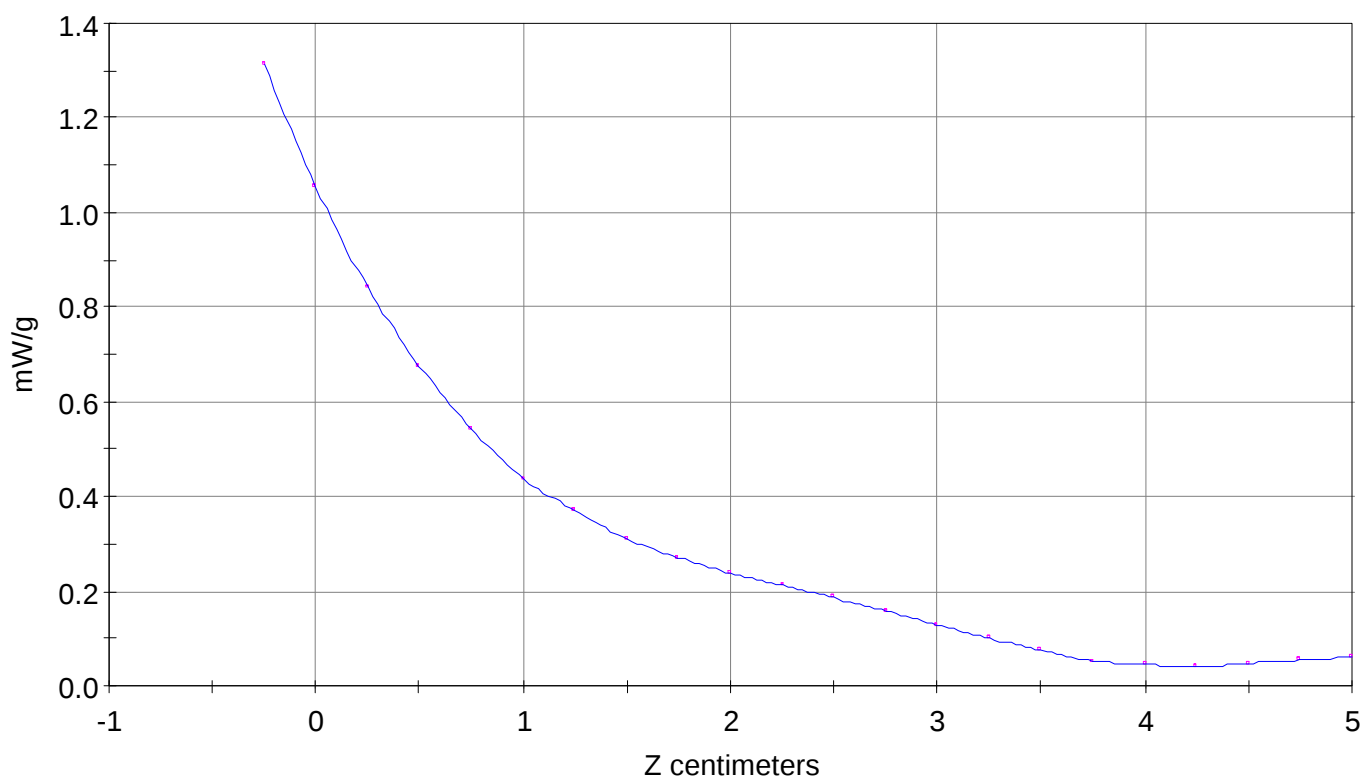
Calc. Voltage @ Surface (Vs) = 0.0180

Voltage @ 1.00 cm (Vt) = 0.0074

Ave. Voltage (Vs+Vt)/2 = 0.0127

Ave. SAR over 1 g (mW/g) = 0.9297

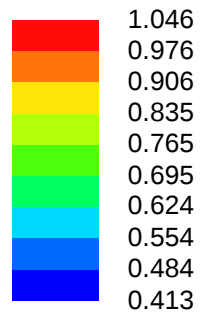
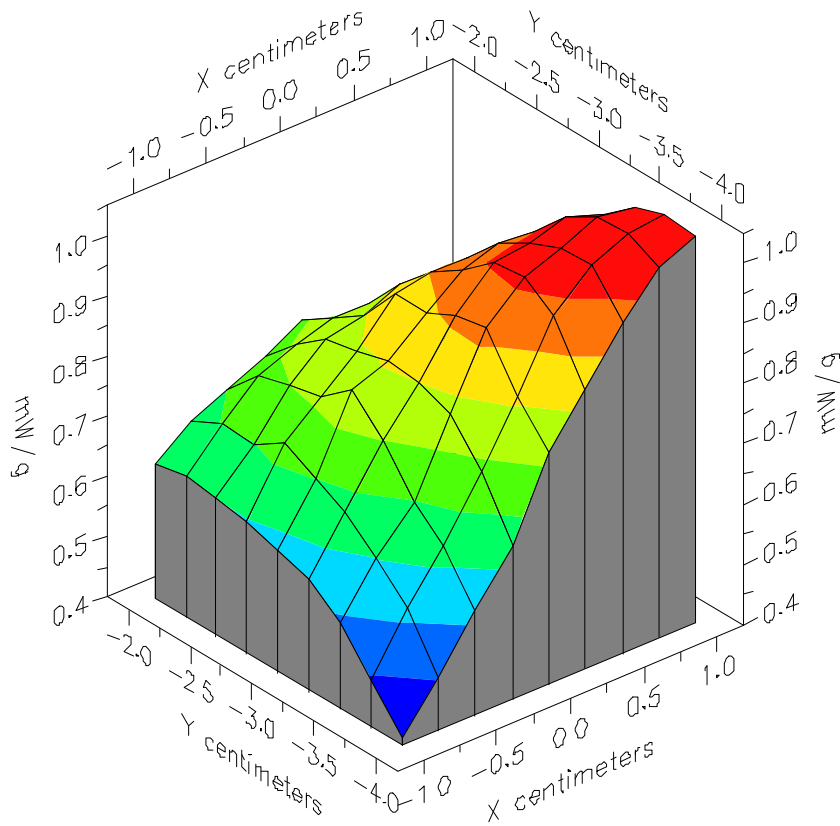
SAR Scan
File : 00051914_ZOOM
Start : 19-May-100 02:06:58 pm End : 19-May-100 02:16:15 pm
SAMSUNG/SPH-N100/B01E00DA;837.0MHz;W;Helical/Out;
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/43.400/0.900



File : 00051914_ZOOM

Start : 19-May-100 02:06:58 pm End : 19-May-100 02:16:15 pm

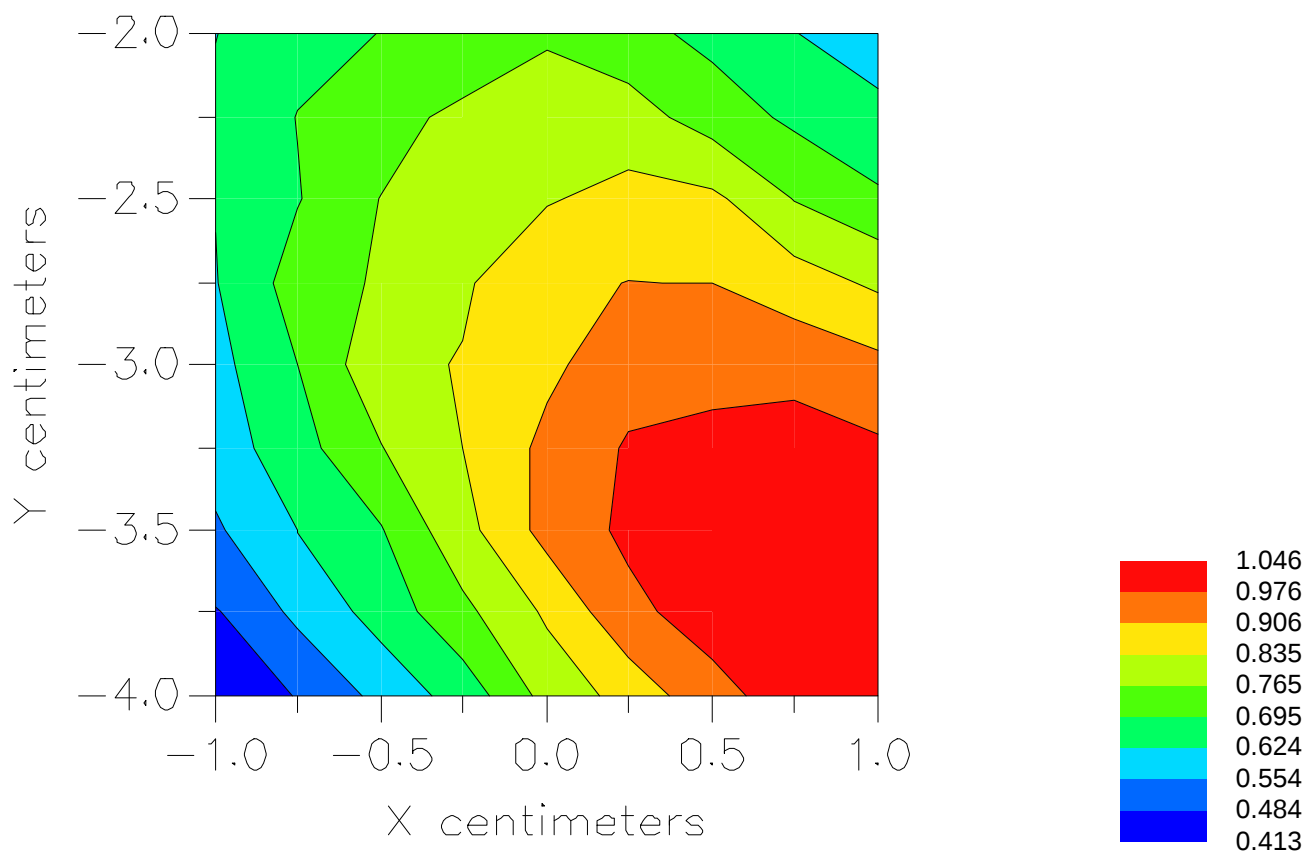
SAMSUNG/SPH-N100/B01E00DA;837.0MHz;W;Helical/Out;
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/43.400/0.900



File : 00051914_ZOOM

Start : 19-May-100 02:06:58 pm End : 19-May-100 02:16:15 pm

SAMSUNG/SPH-N100/B01E00DA;837.0MHz;W;Helical/Out;
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/43.400/0.900



File : c:/idx3/SYSTEM/SARMEAS3/data/Normal/00051911_ZOOM.VLT
Start : 19-May-100 12:54:55 pm End : 19-May-100 01:07:19 pm

Radio Type : SAMSUNG
Model Number : SPH-N100
Serial Number : B01E00DA
Frequency : 848.97 MHz
Peak Trans. Pwr : 0.355 W
Start Trans. Pwr: 0.355 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 = 43.400
Mixture Conductivity = 0.900

Comment :
SAMSUNG DUAL BAND PHONE FM MODE
CHAN 0799 25.5 dBm conducted
FCC ID:A3LSPHN100

Robot : PCTEST

Probe Offset = 0.25 cm
Sensor Factor = 0.0108
Conversion Factor = 0.788

PCTEST Amplifier Channel Settings : 0.166 0.135 0.132

Max Location : X = -1.750, Y = -1.000, Z = 0.000 (cm) Value = 10.320

Measured Values (volts) =
1.001E-002 8.080E-003 6.625E-003 5.708E-003 4.878E-003 4.077E-003
3.374E-003 2.799E-003 2.207E-003 1.891E-003 1.582E-003 1.543E-003
1.490E-003 1.482E-003 1.405E-003 1.285E-003 1.101E-003 9.010E-004
6.396E-004 4.044E-004 2.891E-004

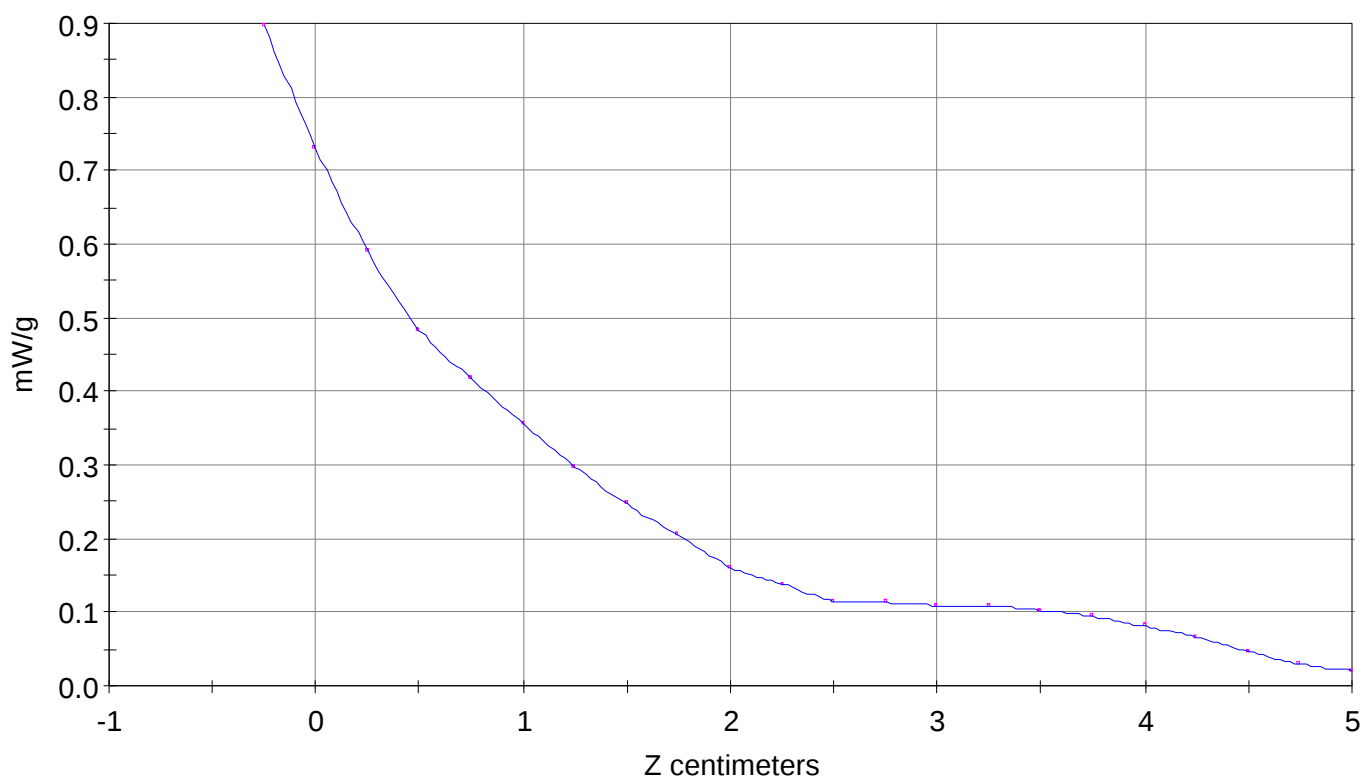
Calc. Voltage @ Surface (Vs) = 0.0123

Voltage @ 1.00 cm (Vt) = 0.0057

Ave. Voltage (Vs+Vt)/2 = 0.0090

Ave. SAR over 1 g (mW/g) = 0.6565

SAR Scan
File : 00051911_ZOOM
Start : 19-May-100 12:54:55 pm End : 19-May-100 01:07:19 pm
SAMSUNG/SPH-N100/B01E00DA;848.97MHz;W;Helical/In;
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/43.400/0.900

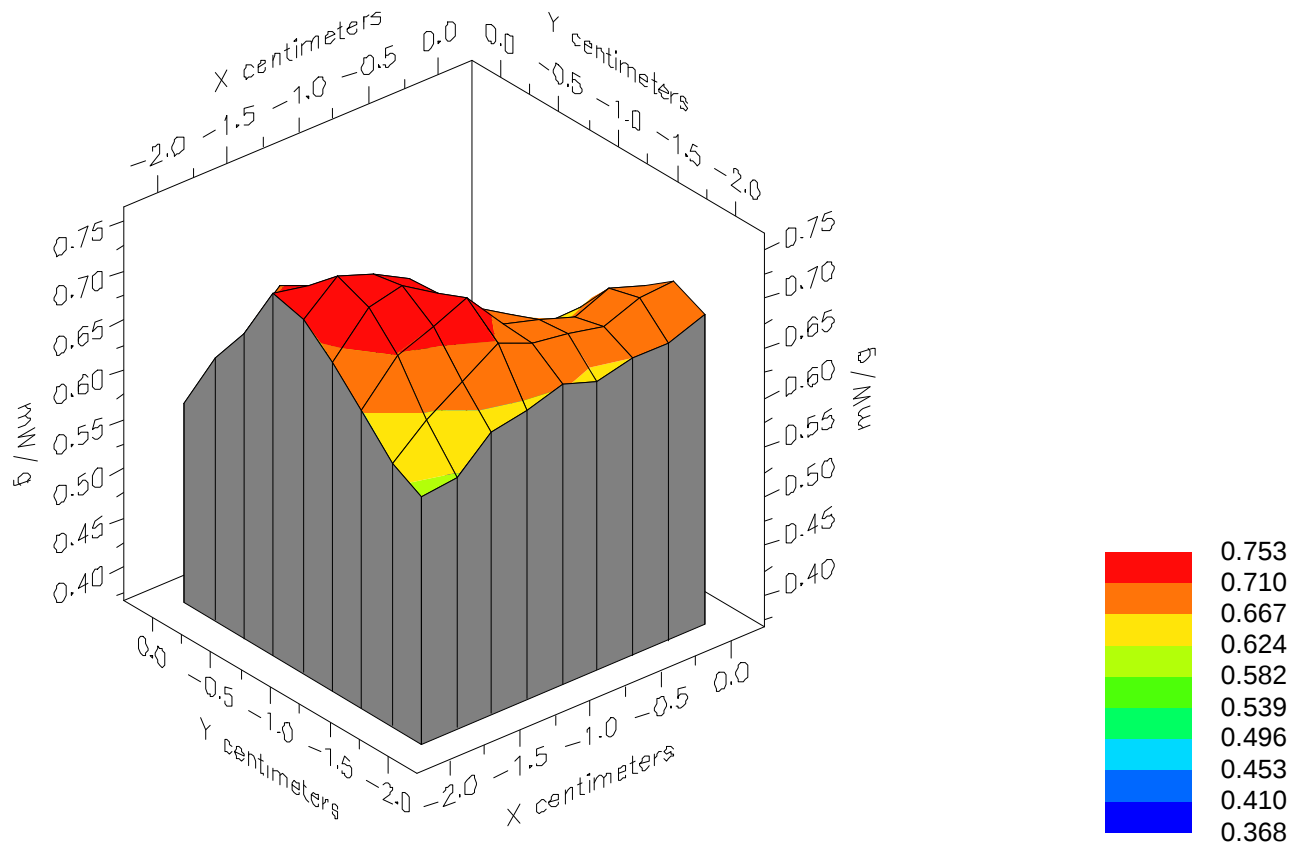


File : 00051911_ZOOM

Start : 19-May-100 12:54:55 pm End : 19-May-100 01:07:19 pm

SAMSUNG/SPH-N100/B01E00DA;848.97MHz;W;Helical/In;

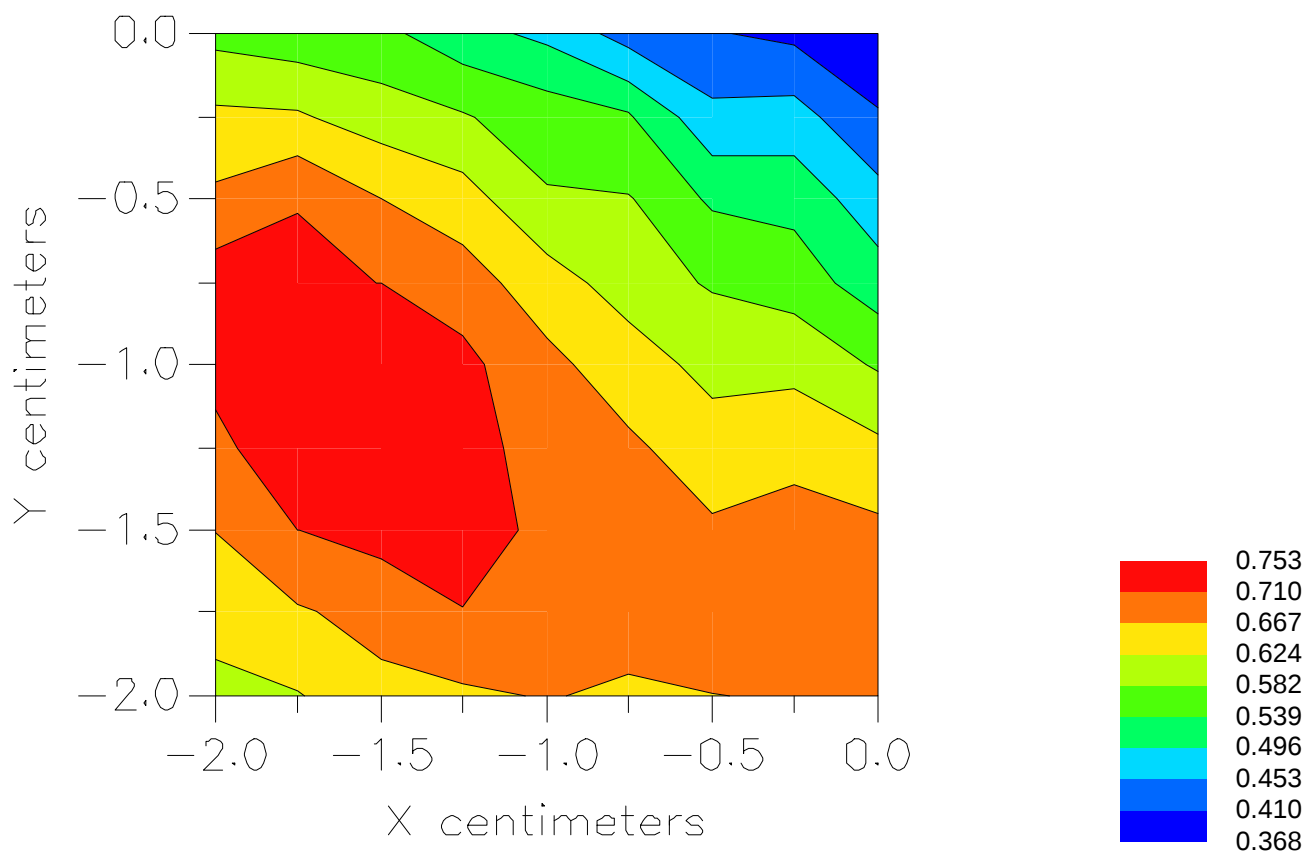
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/43.400/0.900



File : 00051911_ZOOM

Start : 19-May-100 12:54:55 pm End : 19-May-100 01:07:19 pm

SAMSUNG/SPH-N100/B01E00DA;848.97MHz;W;Helical/In;
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/43.400/0.900



File : c:/idx3/SYSTEM/SARMEAS3/data/Normal/00051912_ZOOM.VLT
Start : 19-May-100 01:16:59 pm End : 19-May-100 01:34:47 pm

Radio Type : SAMSUNG
Model Number : SPH-N100
Serial Number : B01E00DA
Frequency : 848.97 MHz
Peak Trans. Pwr : 0.355 W
Start Trans. Pwr: 0.355 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 = 43.400
Mixture Conductivity = 0.900

Comment :
SAMSUNG DUAL BAND PHONE FM MODE
CHAN 0799 25.5 dBm conducted
FCC ID:A3LSPHN100

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 = -2.000, Z = 0.000 (cm) Value = 10.377

Measured Values (volts) =
1.036E-002 8.843E-003 7.473E-003 6.358E-003 5.397E-003 4.441E-003
3.737E-003 3.148E-003 2.725E-003 2.448E-003 2.251E-003 2.120E-003
1.954E-003 1.728E-003 1.456E-003 1.122E-003 8.236E-004 5.792E-004
3.850E-004 3.469E-004 4.051E-004

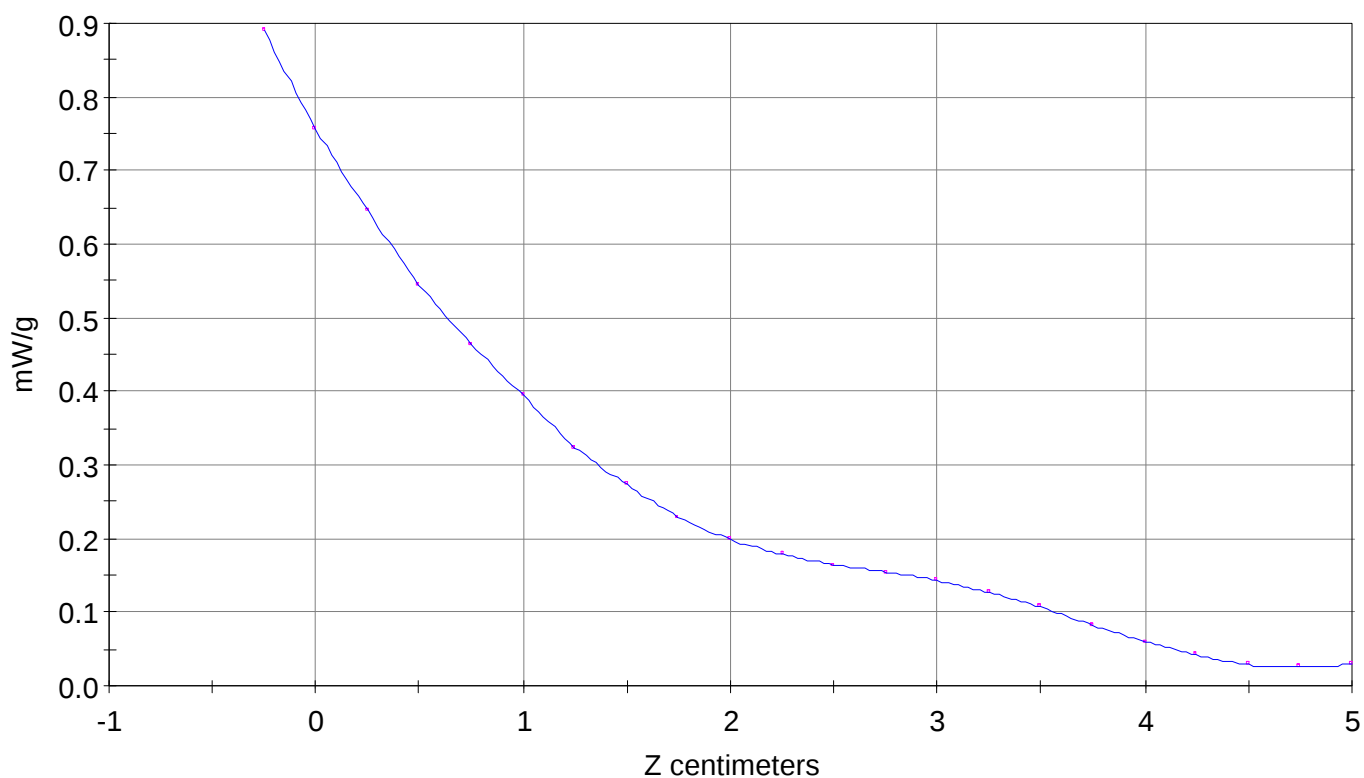
Calc. Voltage @ Surface (Vs) = 0.0122

Voltage @ 1.00 cm (Vt) = 0.0064

Ave. Voltage (Vs+Vt)/2 = 0.0093

Ave. SAR over 1 g (mW/g) = 0.6772

SAR Scan
File : 00051912_ZOOM
Start : 19-May-100 01:16:59 pm End : 19-May-100 01:34:47 pm
SAMSUNG/SPH-N100/B01E00DA;848.97MHz;W;Helical/Out;
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/43.400/0.900

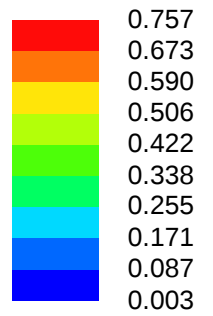
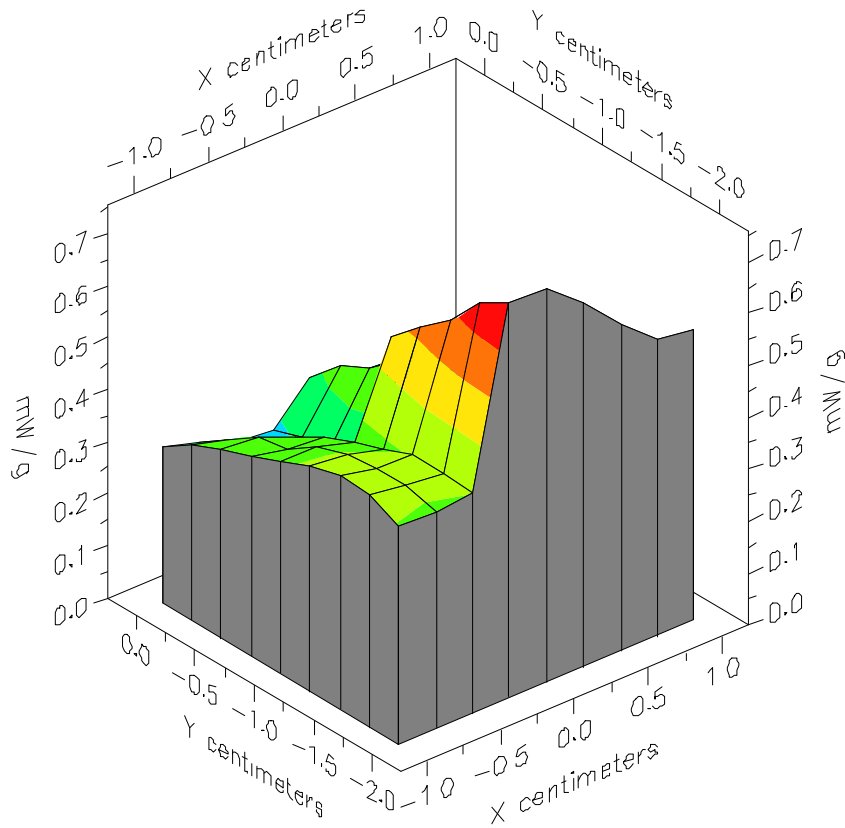


File : 00051912_ZOOM

Start : 19-May-100 01:16:59 pm End : 19-May-100 01:34:47 pm

SAMSUNG/SPH-N100/B01E00DA;848.97MHz;W;Helical/Out;

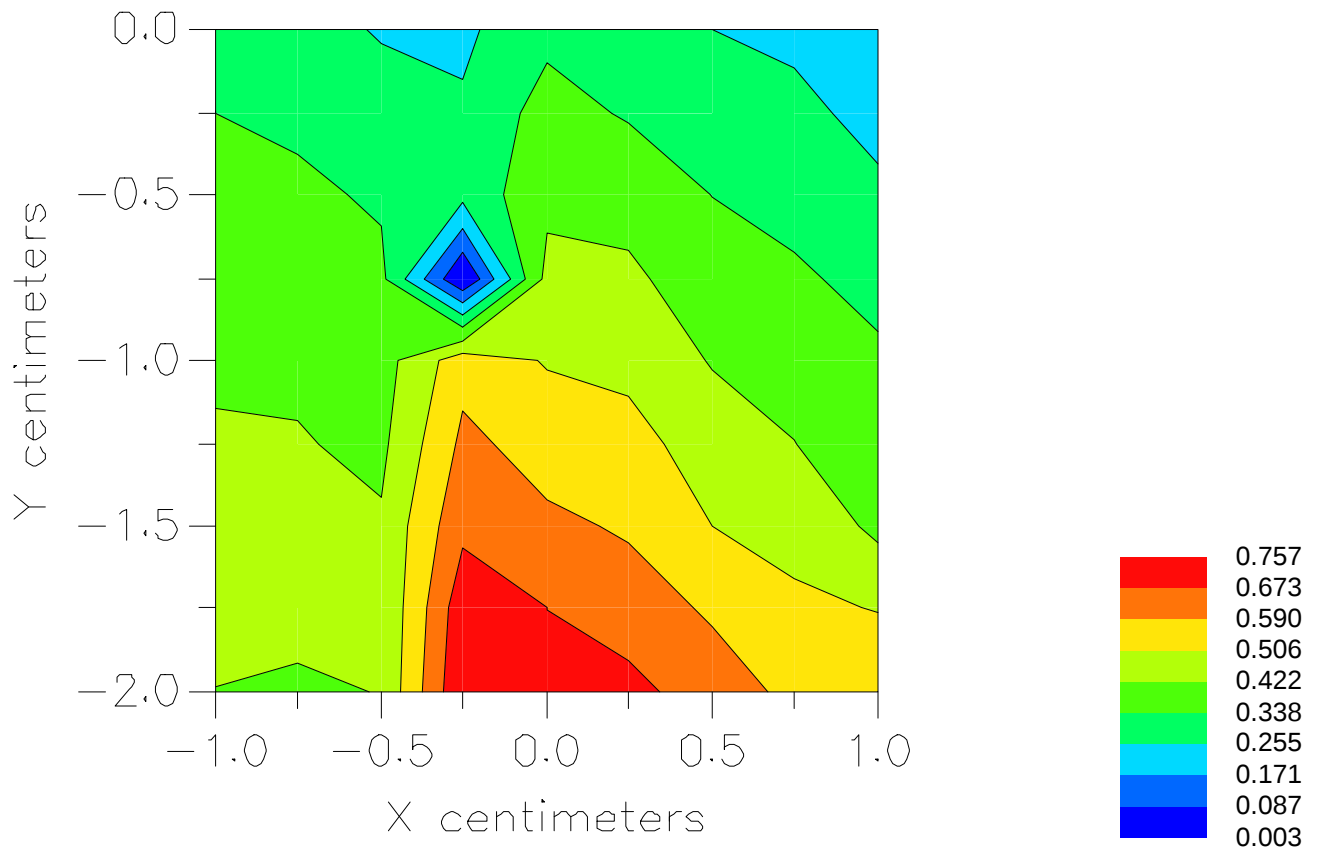
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/43.400/0.900



File : 00051912_ZOOM

Start : 19-May-100 01:16:59 pm End : 19-May-100 01:34:47 pm

SAMSUNG/SPH-N100/B01E00DA;848.97MHz;W;Helical/Out;
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/43.400/0.900



File : c:/idx3/SYSTEM/SARMEAS3/data/Normal/00052203_ZOOM.VLT
Start : 22-May-100 10:21:15 am End : 22-May-100 10:37:53 am

Radio Type : SAMSUNG
Model Number : SPH-N100
Serial Number : B01E00DA
Frequency : 1851.25 MHz
Peak Trans. Pwr : 0.250 W
Start Trans. Pwr: 0.250 W
Antenna Type : Helical
Antenna Posn. : In
Phantom Type : Head
Phantom Posn. : Left Ear
Scan Type : ZOOM/SAR
Probe Name : PCTEST
Field Type : E Field
Orientation : 0 Degrees

Mixture Type = Brain
Mixture Dielectric Constant = 41.300
Mixture Conductivity = 1.650

Comment :
SAMSUNG DUAL BAND PHONE CDMA MODE
CHAN 0025 24.0 dBm conducted
FCC ID:A3LSPHN100

Robot : PCTEST

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

PCTEST Amplifier Channel Settings : 0.245 0.231 0.224

Max Location : X = -1.500, Y = -1.000, Z = 0.000 (cm) Value = 5.594

Measured Values (volts) =
5.154E-003 3.943E-003 2.709E-003 1.993E-003 1.473E-003 1.077E-003
8.241E-004 5.730E-004 3.595E-004 2.438E-004 1.448E-004 1.238E-004
1.078E-004 8.302E-005 4.291E-005 2.572E-005 2.431E-005 8.786E-006
1.403E-005 1.367E-005 1.203E-005

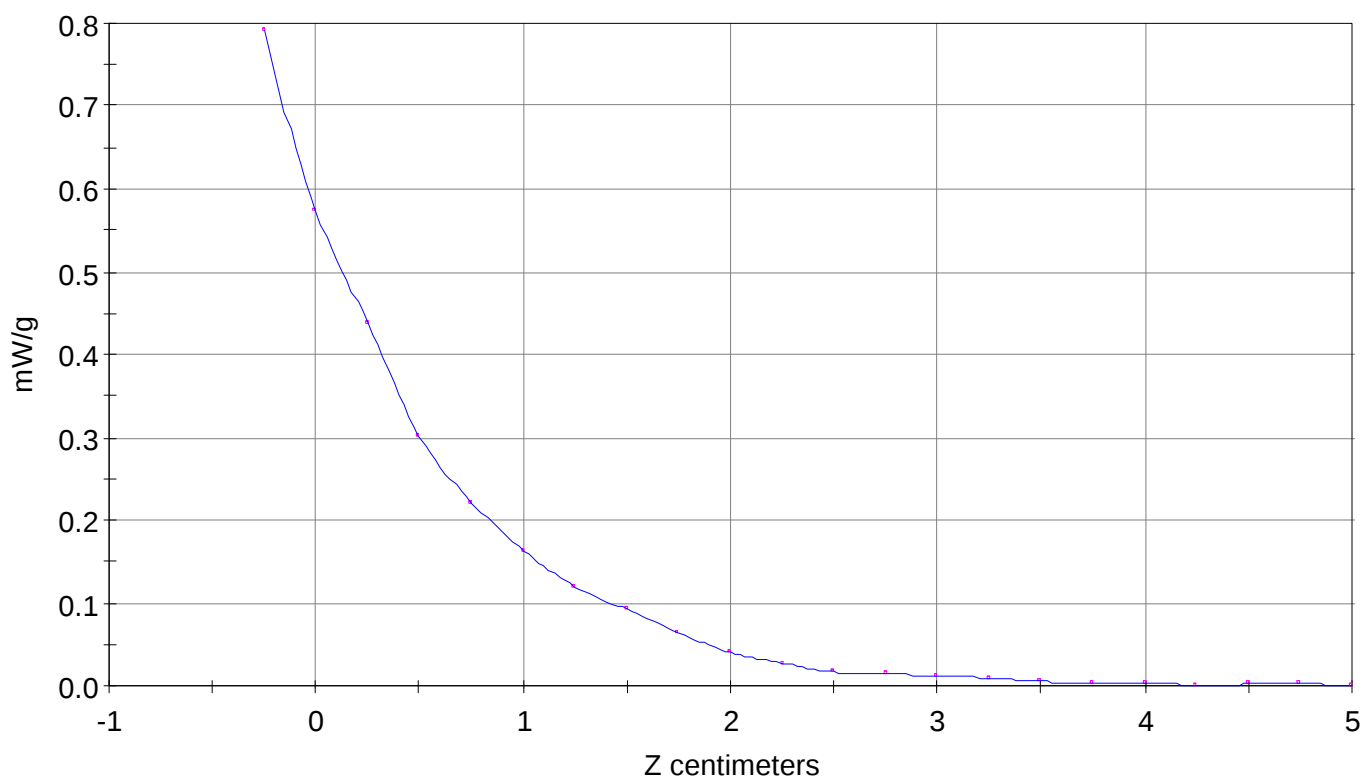
Calc. Voltage @ Surface (Vs) = 0.0071

Voltage @ 1.00 cm (Vt) = 0.0020

Ave. Voltage (Vs+Vt)/2 = 0.0046

Ave. SAR over 1 g (mW/g) = 0.5066

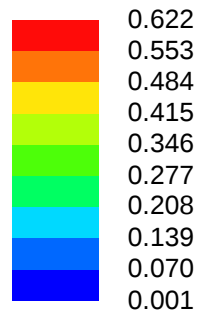
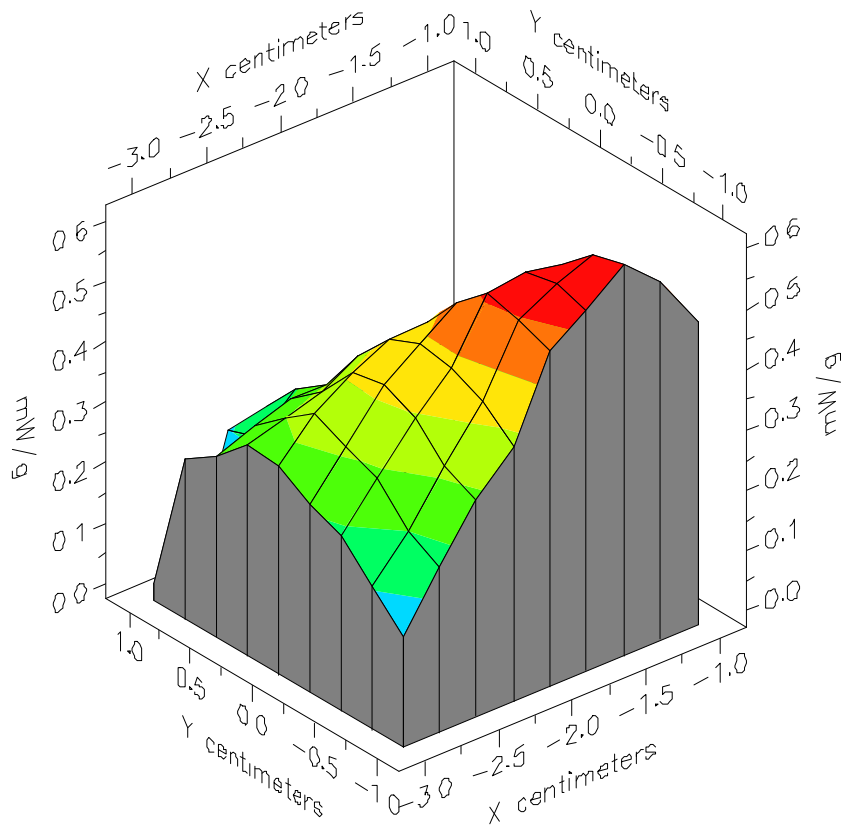
SAR Scan
File : 00052203_ZOOM
Start : 22-May-100 10:21:15 am End : 22-May-100 10:37:53 am
SAMSUNG/SPH-N100/B01E00DA;1851.25MHz;W;Helical/In;
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/41.300/1.650



File : 00052203_ZOOM

Start : 22-May-100 10:21:15 am End : 22-May-100 10:37:53 am

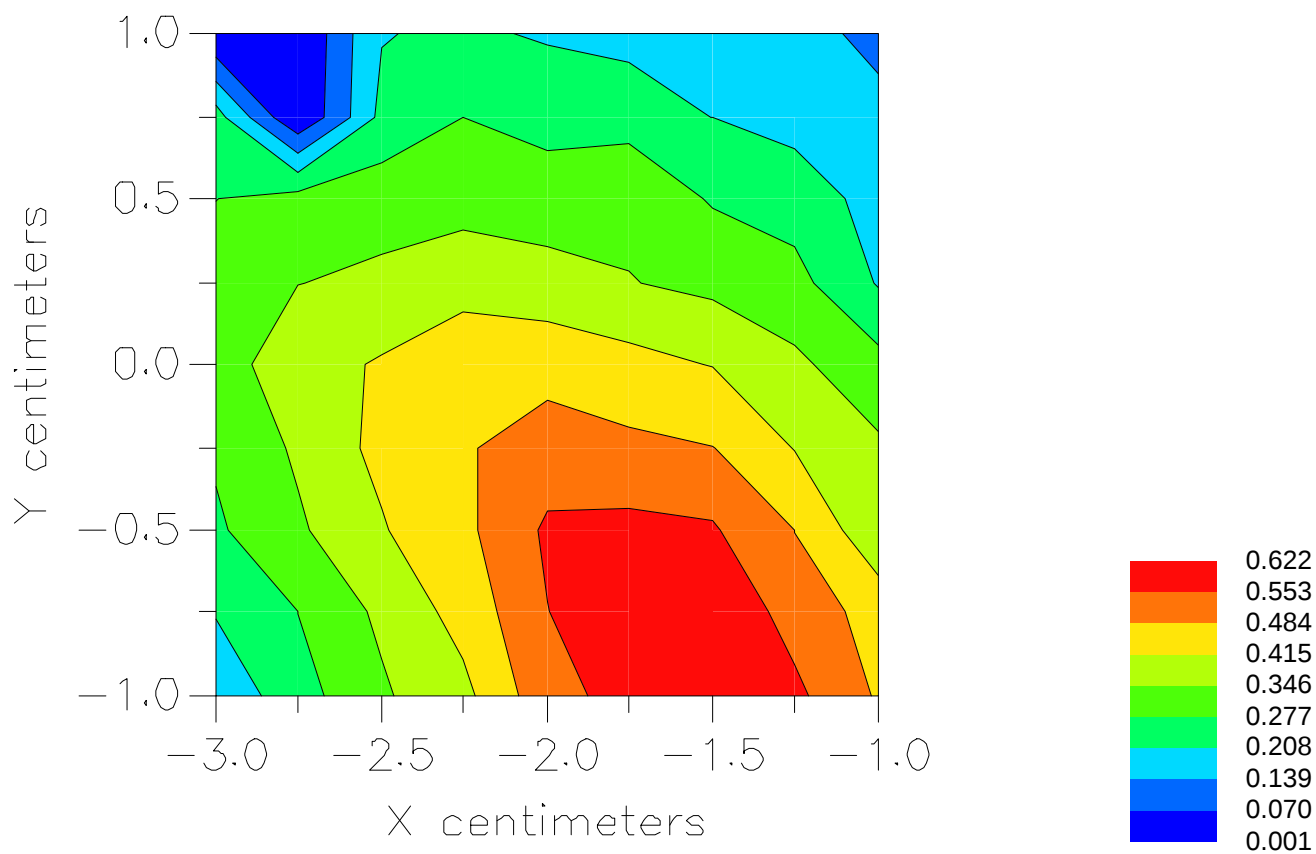
SAMSUNG/SPH-N100/B01E00DA;1851.25MHz;W;Helical/In;
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/41.300/1.650



File : 00052203_ZOOM

Start : 22-May-100 10:21:15 am End : 22-May-100 10:37:53 am

SAMSUNG/SPH-N100/B01E00DA;1851.25MHz;W;Helical/In;
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/41.300/1.650



File : c:/idx3/SYSTEM/SARMEAS3/data/Normal/00052214_ZOOM.VLT
Start : 22-May-100 04:14:44 pm End : 22-May-100 04:26:51 pm

Radio Type : SAMSUNG
Model Number : SPH-N100
Serial Number : B01E00DA
Frequency : 1851.25 MHz
Peak Trans. Pwr : 0.250 W
Start Trans. Pwr: 0.250 W
Antenna Type : Helical
Antenna Posn. : Out
Phantom Type : Head
Phantom Posn. : Left Ear
Scan Type : ZOOM/SAR
Probe Name : PCTEST
Field Type : E Field
Orientation : 0 Degrees

Mixture Type = Brain
Mixture Dielectric Constant = 41.300
Mixture Conductivity = 1.650

Comment :
SAMSUNG DUAL BAND PHONE CDMA MODE
CHAN 0025 24.0 dBm conducted
FCC ID:A3LSPHN100

Robot : PCTEST

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

PCTEST Amplifier Channel Settings : 0.245 0.231 0.224

Max Location : X = -1.500, Y = -1.500, Z = 0.000 (cm) Value = 4.977

Measured Values (volts) =
4.624E-003 3.527E-003 2.341E-003 1.609E-003 1.128E-003 8.284E-004
6.140E-004 3.989E-004 3.034E-004 1.712E-004 1.079E-004 4.972E-005
1.075E-004 1.717E-005 4.640E-005 1.184E-005 3.631E-005 1.156E-005
1.889E-005 4.112E-005 1.298E-005

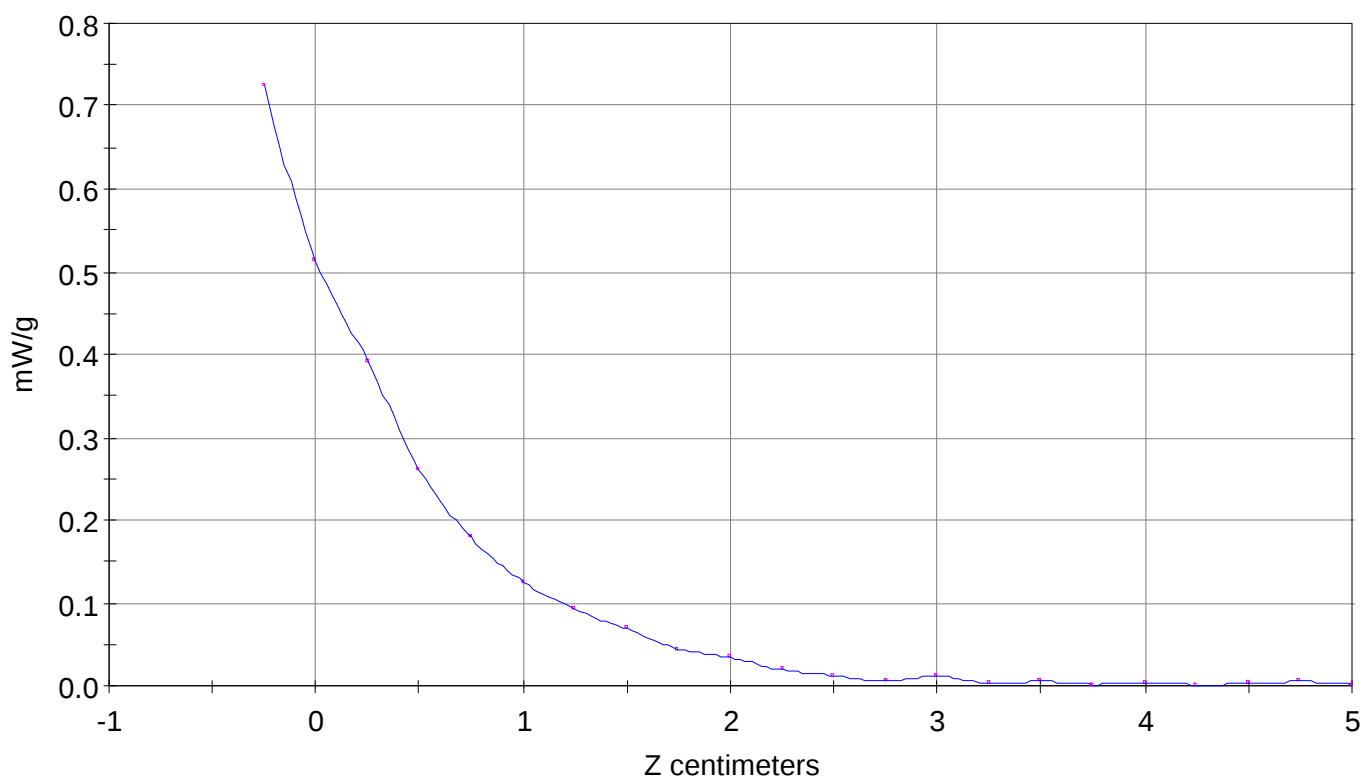
Calc. Voltage @ Surface (Vs) = 0.0065

Voltage @ 1.00 cm (Vt) = 0.0016

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

Ave. SAR over 1 g (mW/g) = 0.4517

SAR Scan
File : 00052214_ZOOM
Start : 22-May-100 04:14:44 pm End : 22-May-100 04:26:51 pm
SAMSUNG/SPH-N100/B01E00DA;1851.25MHz;W;Helical/Out;
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/41.300/1.650

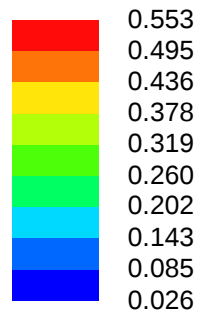
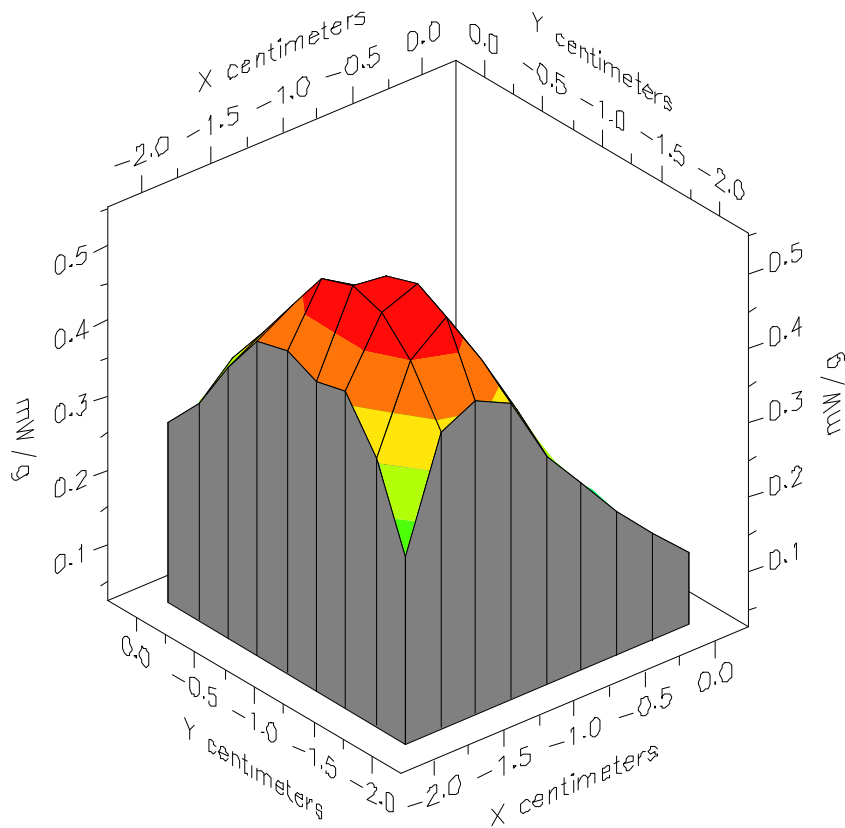


File : 00052214_ZOOM

Start : 22-May-100 04:14:44 pm End : 22-May-100 04:26:51 pm

SAMSUNG/SPH-N100/B01E00DA;1851.25MHz;W;Helical/Out;

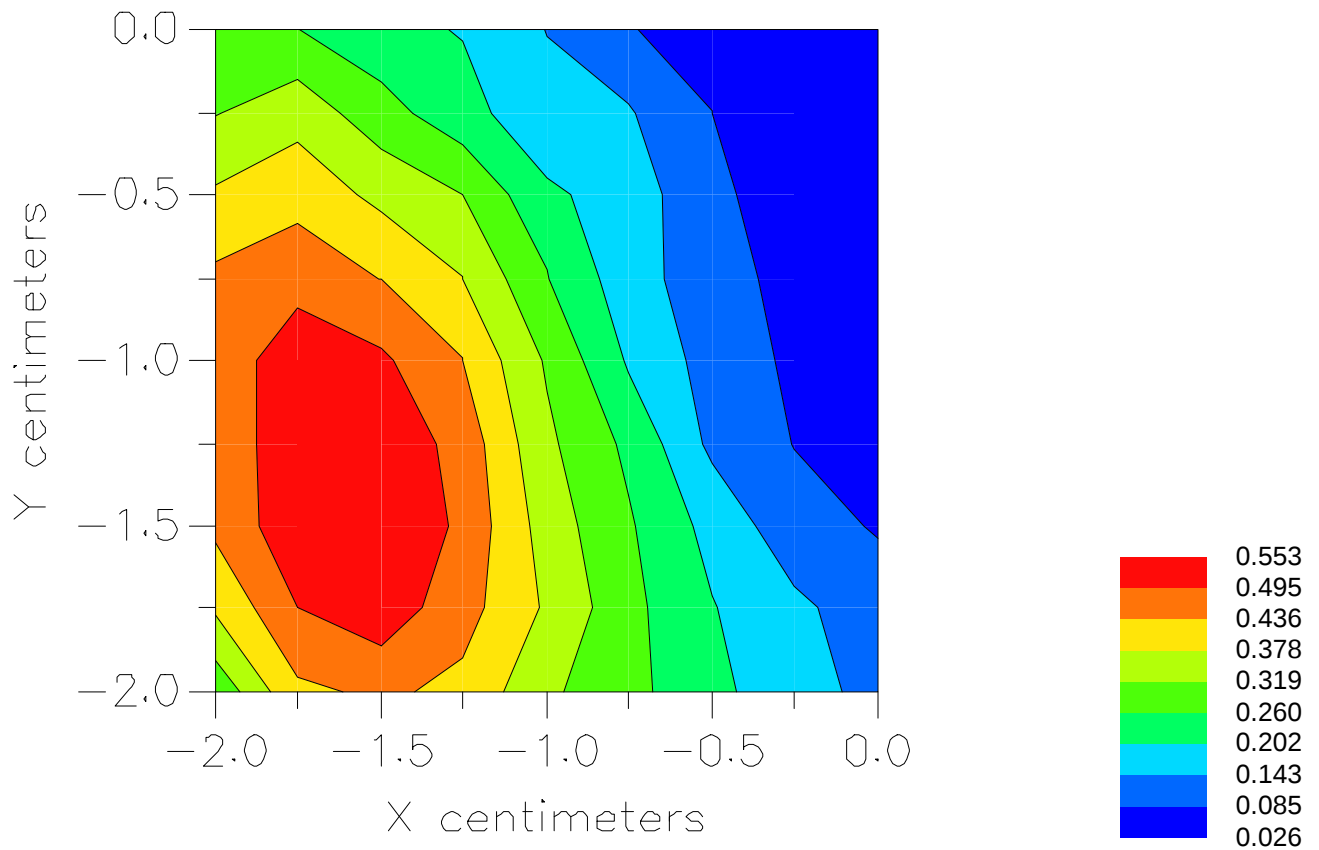
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/41.300/1.650



File : 00052214_ZOOM

Start : 22-May-100 04:14:44 pm End : 22-May-100 04:26:51 pm

SAMSUNG/SPH-N100/B01E00DA;1851.25MHz;W;Helical/Out;
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/41.300/1.650



File : c:/idx3/SYSTEM/SARMEAS3/data/Normal/00052204_ZOOM.VLT
Start : 22-May-100 10:39:28 am End : 22-May-100 10:49:32 am

Radio Type : SAMSUNG
Model Number : SPH-N100
Serial Number : B01E00DA
Frequency : 1880 MHz
Peak Trans. Pwr : 0.250 W
Start Trans. Pwr: 0.250 W
Antenna Type : Helical
Antenna Posn. : In
Phantom Type : Head
Phantom Posn. : Left Ear
Scan Type : ZOOM/SAR
Probe Name : PCTEST
Field Type : E Field
Orientation : 0 Degrees

Mixture Type = Brain
Mixture Dielectric Constant = 41.300
Mixture Conductivity = 1.650

Comment :
SAMSUNG DUAL BAND PHONE CDMA MODE
CHAN 0600 24.0 dBm conducted
FCC ID:A3LSPHN100

Robot : PCTEST

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

PCTEST Amplifier Channel Settings : 0.245 0.231 0.224

Max Location : X = -1.500, Y = -1.250, Z = 0.000 (cm) Value = 4.883

Measured Values (volts) =
4.203E-003 3.183E-003 2.128E-003 1.585E-003 1.242E-003 9.747E-004
6.647E-004 5.137E-004 3.702E-004 2.392E-004 1.309E-004 1.240E-004
5.237E-005 5.587E-005 9.799E-006 0.000E+000 3.485E-005 2.259E-005
3.157E-005 2.858E-005 1.092E-005

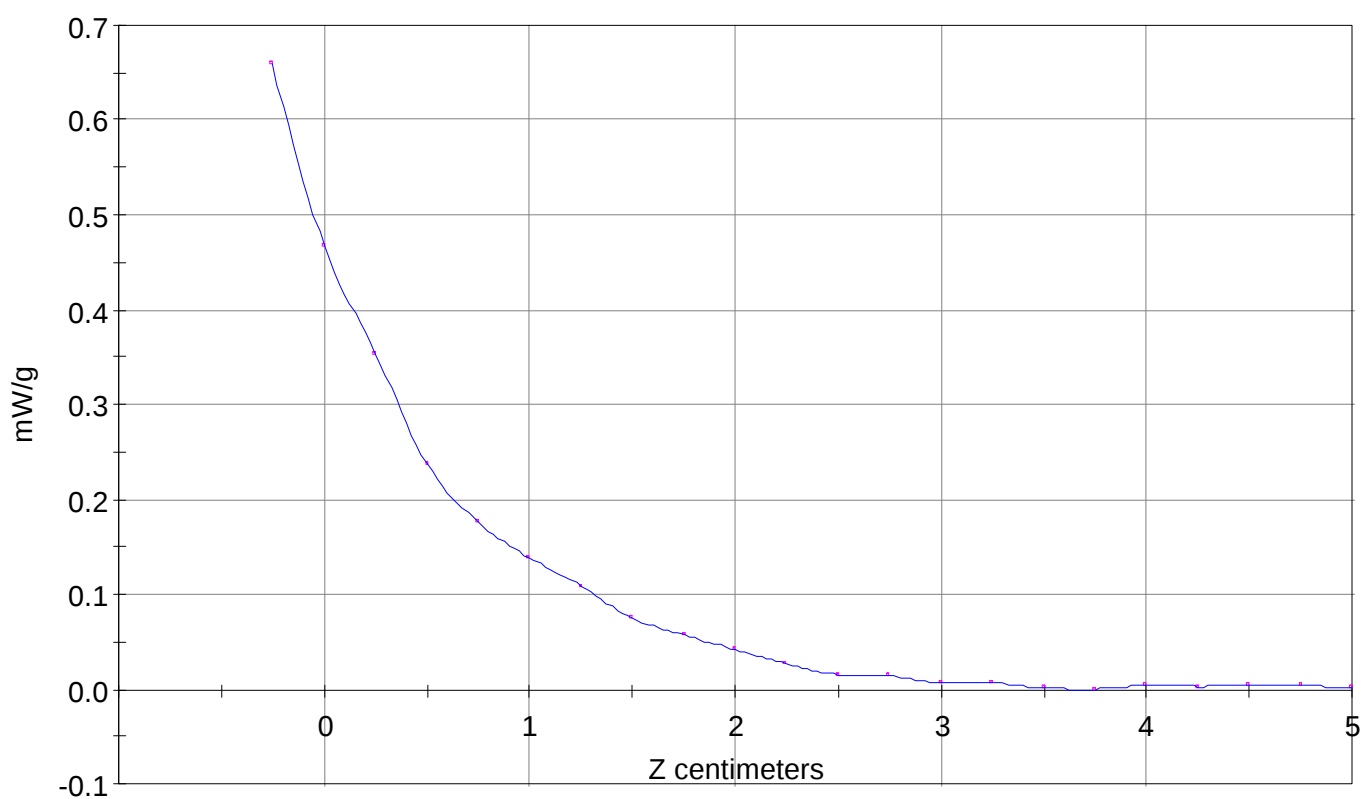
Calc. Voltage @ Surface (Vs) = 0.0059

Voltage @ 1.00 cm (Vt) = 0.0016

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

Ave. SAR over 1 g (mW/g) = 0.4172

SAR Scan
File : 00052204_ZOOM
Start : 22-May-100 10:39:28 am End : 22-May-100 10:49:32 am
SAMSUNG/SPH-N100/B01E00DA;1880MHz;W;Helical/In;
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/41.300/1.650

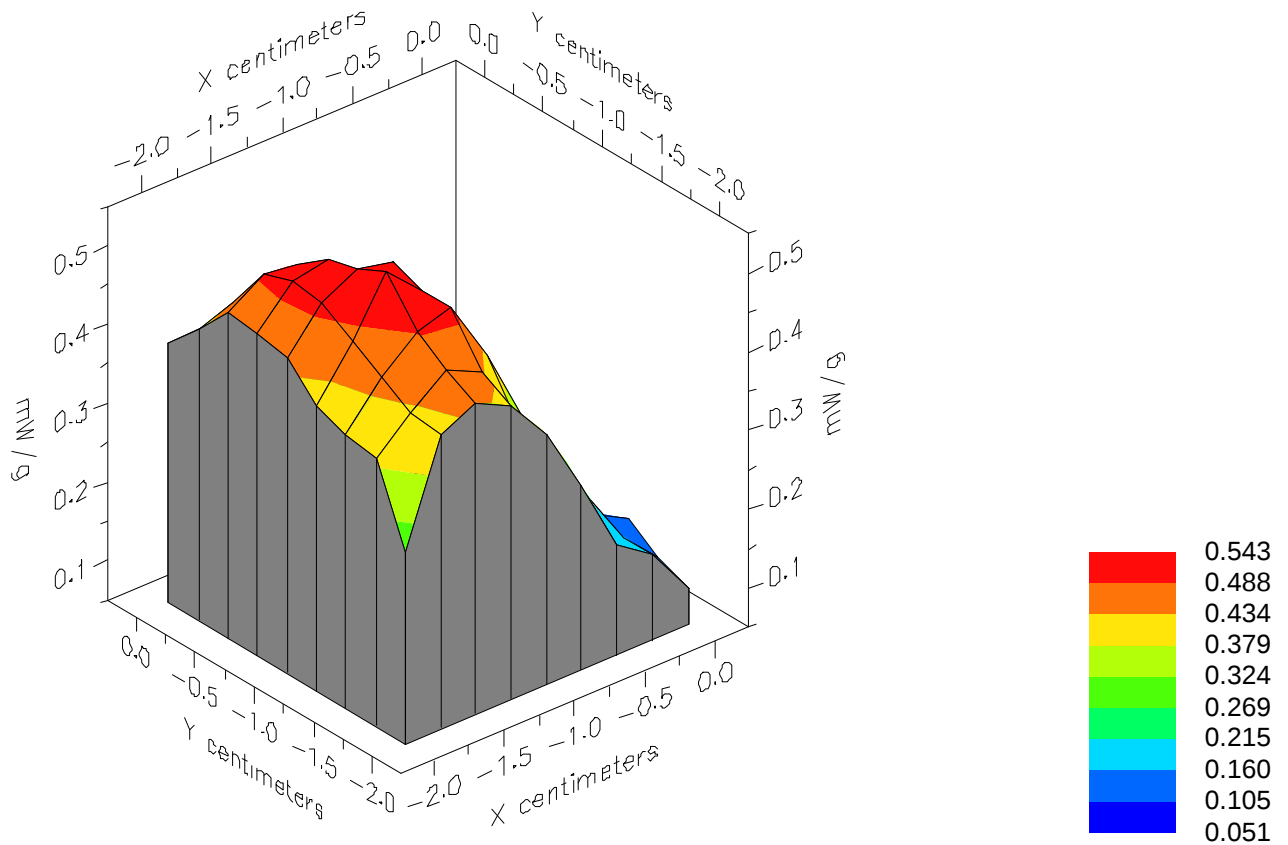


File : 00052204_ZOOM

Start : 22-May-100 10:39:28 am End : 22-May-100 10:49:32 am

SAMSUNG/SPH-N100/B01E00DA;1880MHz;W;Helical/In;

Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/41.300/1.650

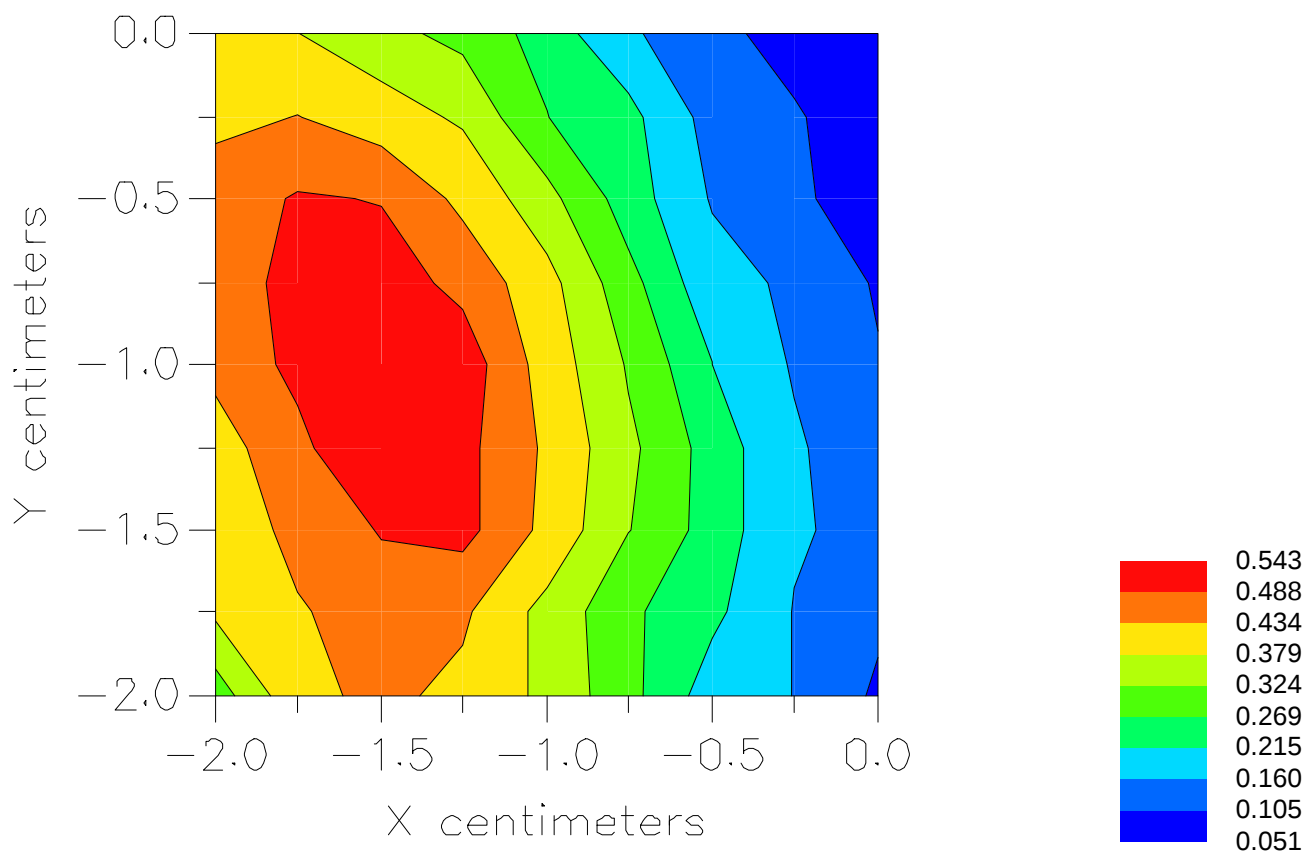


File : 00052204_ZOOM

Start : 22-May-100 10:39:28 am End : 22-May-100 10:49:32 am

SAMSUNG/SPH-N100/B01E00DA;1880MHz;W;Helical/In;

Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/41.300/1.650



File : c:/idx3/SYSTEM/SARMEAS3/data/Normal/00052215_ZOOM.VLT
Start : 22-May-100 04:28:22 pm End : 22-May-100 04:39:10 pm

Radio Type : SAMSUNG
Model Number : SPH-N100
Serial Number : B01E00DA
Frequency : 1880 MHz
Peak Trans. Pwr : 0.250 W
Start Trans. Pwr: 0.250 W
Antenna Type : Helical
Antenna Posn. : Out
Phantom Type : Head
Phantom Posn. : Left Ear
Scan Type : ZOOM/SAR
Probe Name : PCTEST
Field Type : E Field
Orientation : 0 Degrees

Mixture Type = Brain
Mixture Dielectric Constant = 41.300
Mixture Conductivity = 1.650

Comment :
SAMSUNG DUAL BAND PHONE CDMA MODE
CHAN 0600 24.0 dBm conducted
FCC ID:A3LSPHN100

Robot : PCTEST

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

PCTEST Amplifier Channel Settings : 0.245 0.231 0.224

Max Location : X = -1.500, Y = -1.500, Z = 0.000 (cm) Value = 4.759

Measured Values (volts) =
4.548E-003 3.565E-003 2.361E-003 1.582E-003 1.188E-003 8.122E-004
6.231E-004 4.001E-004 2.855E-004 1.670E-004 1.028E-004 6.064E-005
9.085E-005 3.962E-005 5.665E-005 2.207E-005 4.603E-005 4.529E-005
3.969E-005 2.552E-005 2.552E-005

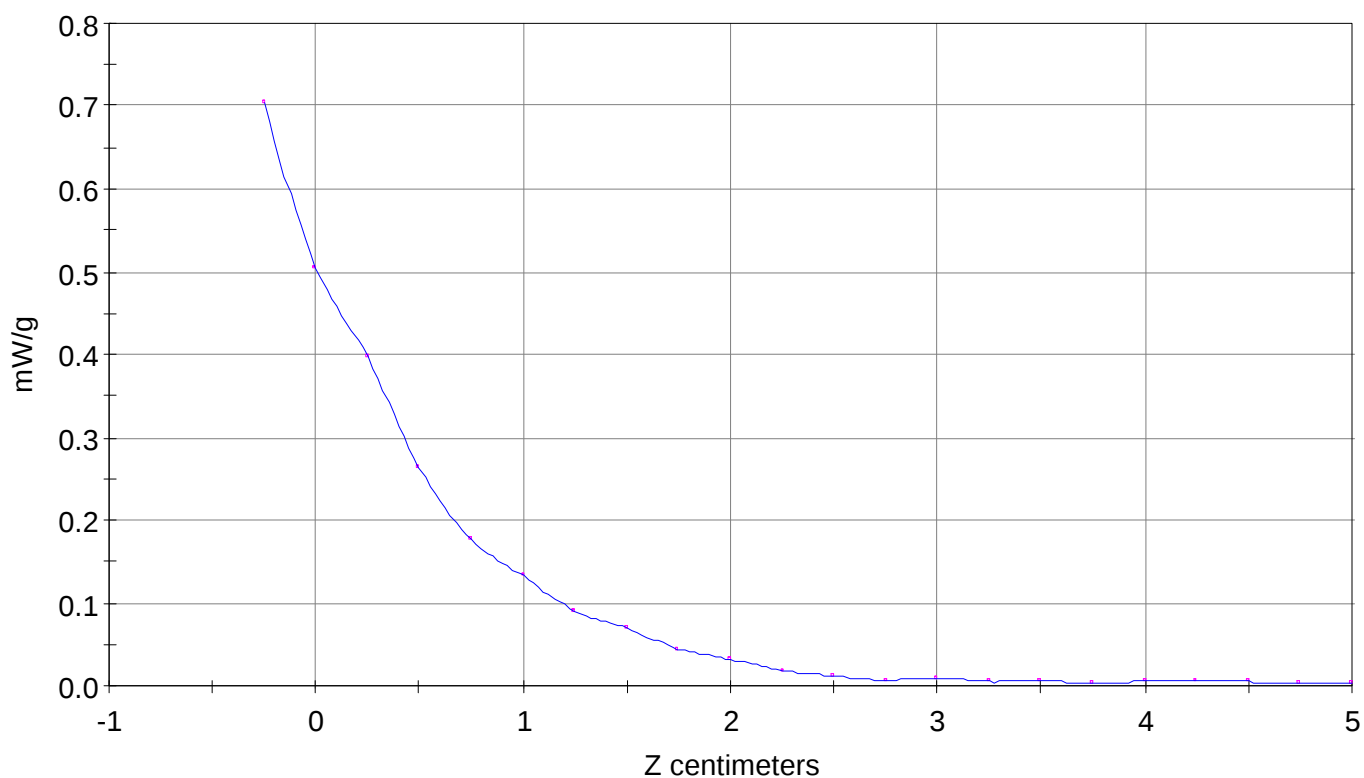
Calc. Voltage @ Surface (Vs) = 0.0063

Voltage @ 1.00 cm (Vt) = 0.0016

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

Ave. SAR over 1 g (mW/g) = 0.4402

SAR Scan
File : 00052215_ZOOM
Start : 22-May-100 04:28:22 pm End : 22-May-100 04:39:10 pm
SAMSUNG/SPH-N100/B01E00DA;1880MHz;W;Helical/Out;
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/41.300/1.650

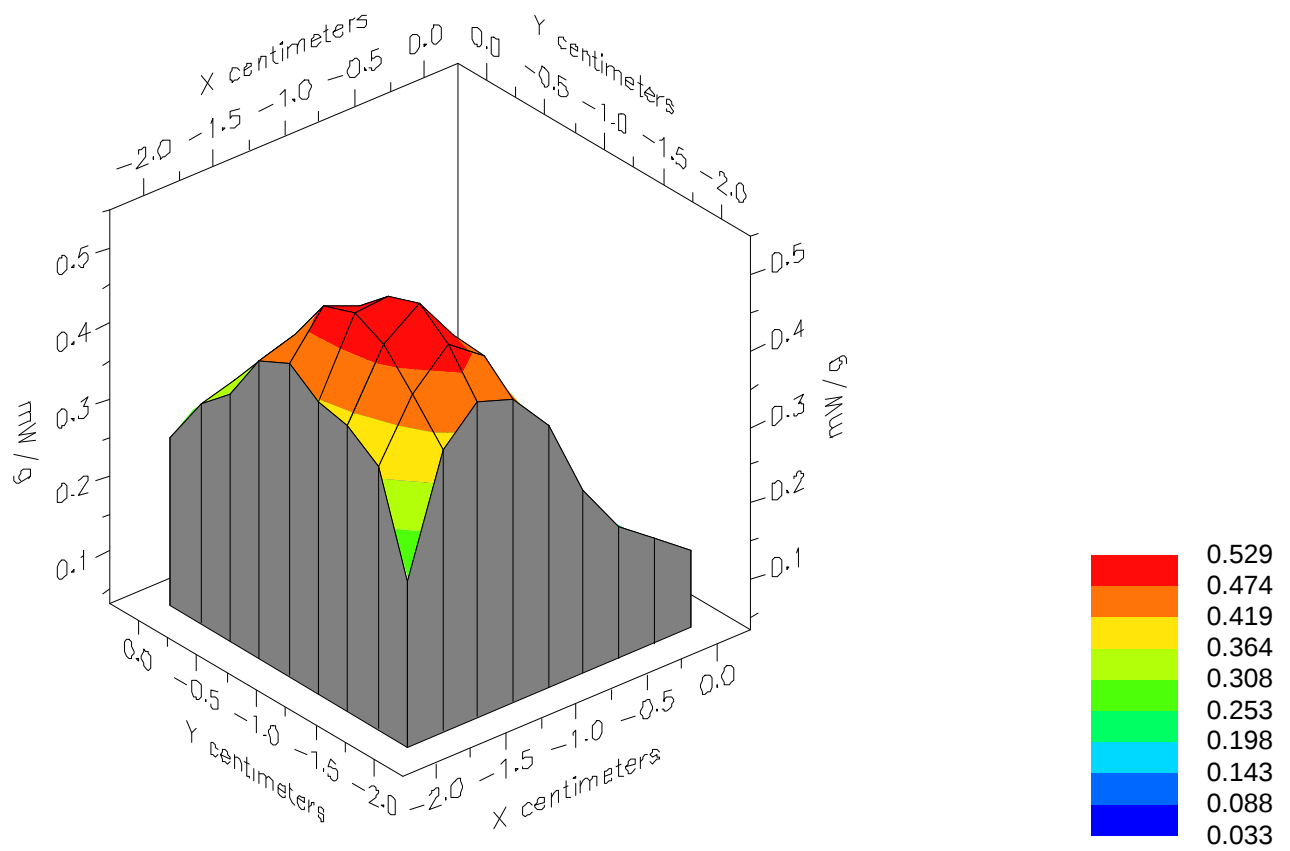


File : 00052215_ZOOM

Start : 22-May-100 04:28:22 pm End : 22-May-100 04:39:10 pm

SAMSUNG/SPH-N100/B01E00DA;1880MHz;W;Helical/Out;

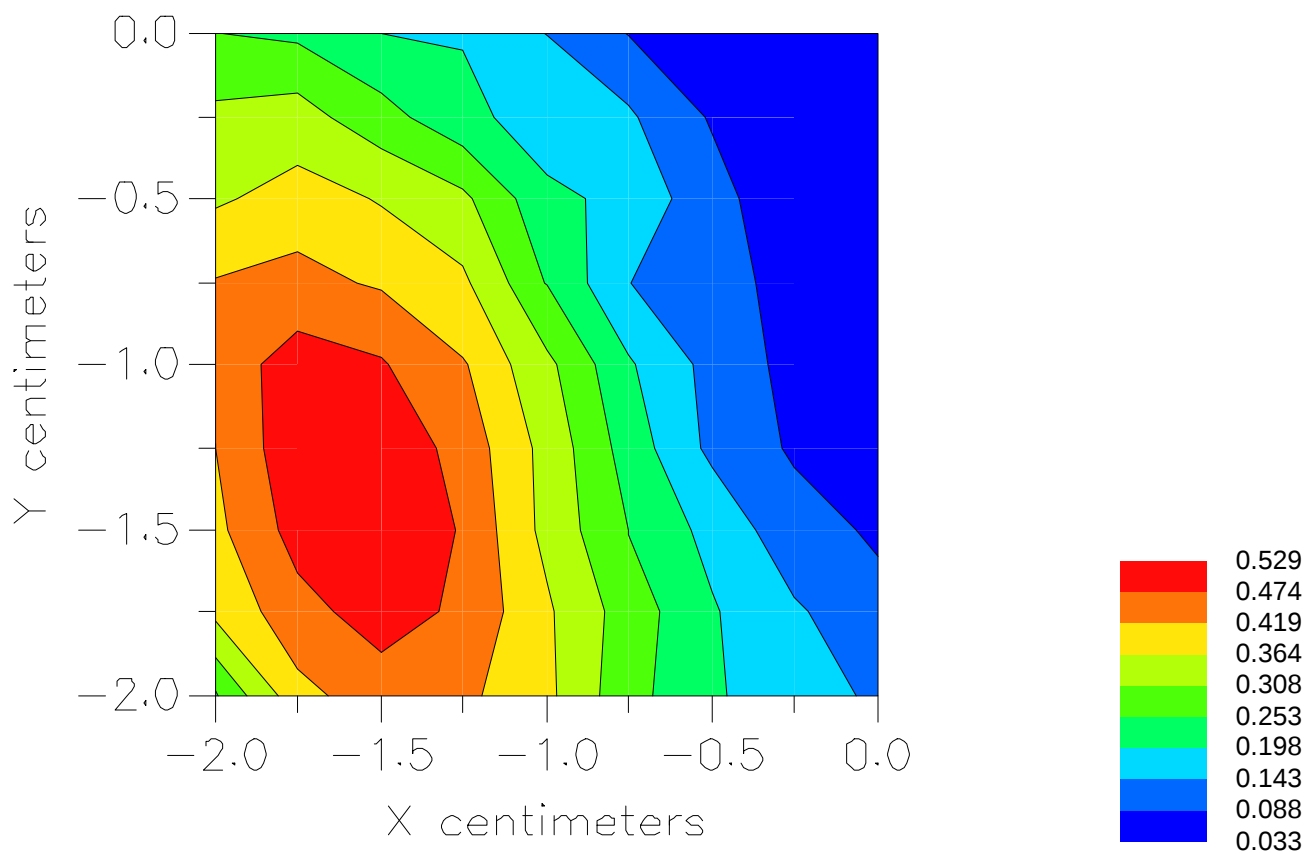
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/41.300/1.650



File : 00052215_ZOOM

Start : 22-May-100 04:28:22 pm End : 22-May-100 04:39:10 pm

SAMSUNG/SPH-N100/B01E00DA;1880MHz;W;Helical/Out;
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/41.300/1.650



File : c:/idx3/SYSTEM/SARMEAS3/data/Normal/00052216_ZOOM.VLT
Start : 22-May-100 04:40:11 pm End : 22-May-100 04:49:08 pm

Radio Type : SAMSUNG
Model Number : SPH-N100
Serial Number : B01E00DA
Frequency : 1908.75 MHz
Peak Trans. Pwr : 0.250 W
Start Trans. Pwr: 0.250 W
Antenna Type : Helical
Antenna Posn. : In
Phantom Type : Head
Phantom Posn. : Left Ear
Scan Type : ZOOM/SAR
Probe Name : PCTEST
Field Type : E Field
Orientation : 0 Degrees

Mixture Type = Brain
Mixture Dielectric Constant = 41.300
Mixture Conductivity = 1.650

Comment :
SAMSUNG DUAL BAND PHONE CDMA MODE
CHAN 1175 24.0 dBm conducted
FCC ID:A3LSPHN100

Robot : PCTEST

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

PCTEST Amplifier Channel Settings : 0.245 0.231 0.224

Max Location : X = -1.500, Y = -1.500, Z = 0.000 (cm) Value = 4.595

Measured Values (volts) =
4.404E-003 3.154E-003 2.051E-003 1.453E-003 1.024E-003 7.032E-004
5.017E-004 3.842E-004 2.387E-004 1.602E-004 1.401E-004 6.576E-005
4.346E-005 3.095E-005 7.023E-005 3.357E-005 2.659E-005 1.819E-005
2.686E-005 6.133E-006 1.452E-005

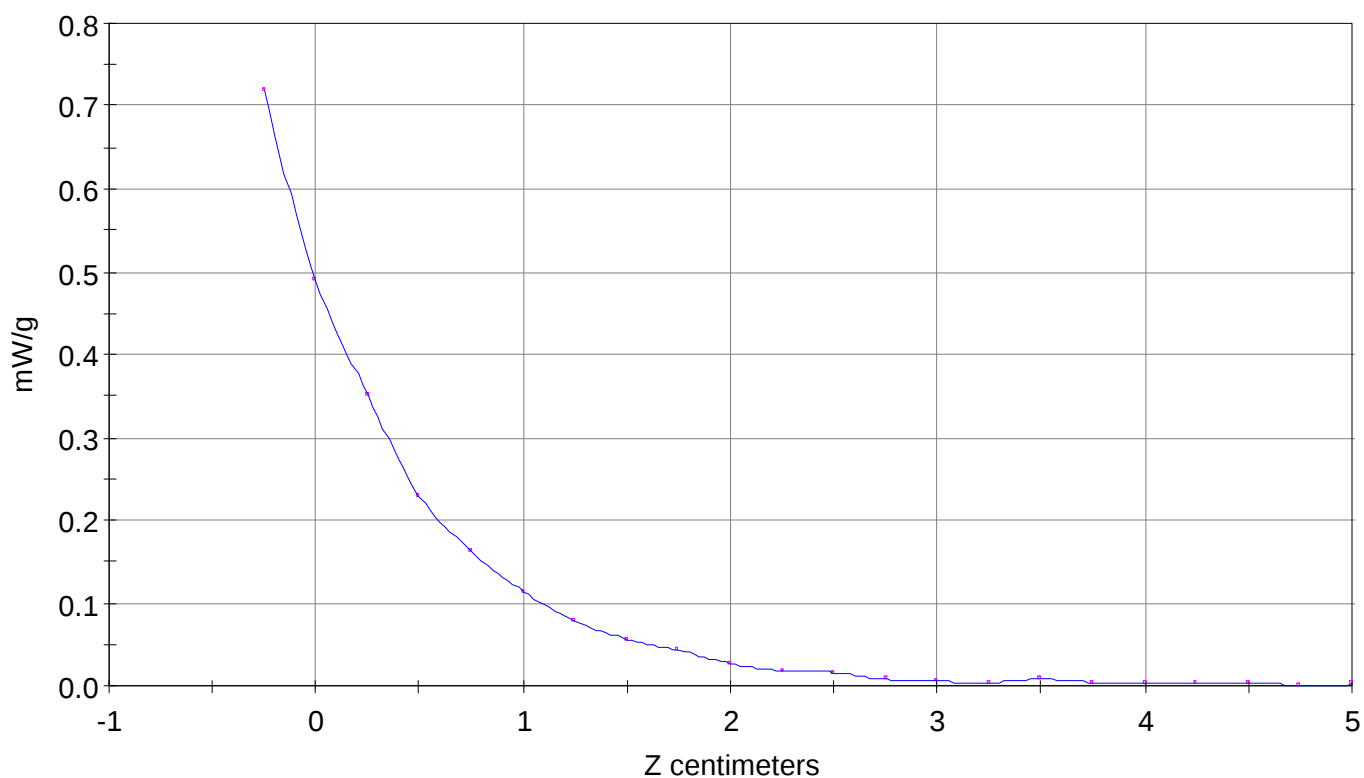
Calc. Voltage @ Surface (Vs) = 0.0065

Voltage @ 1.00 cm (Vt) = 0.0015

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

Ave. SAR over 1 g (mW/g) = 0.4400

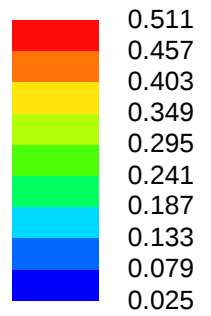
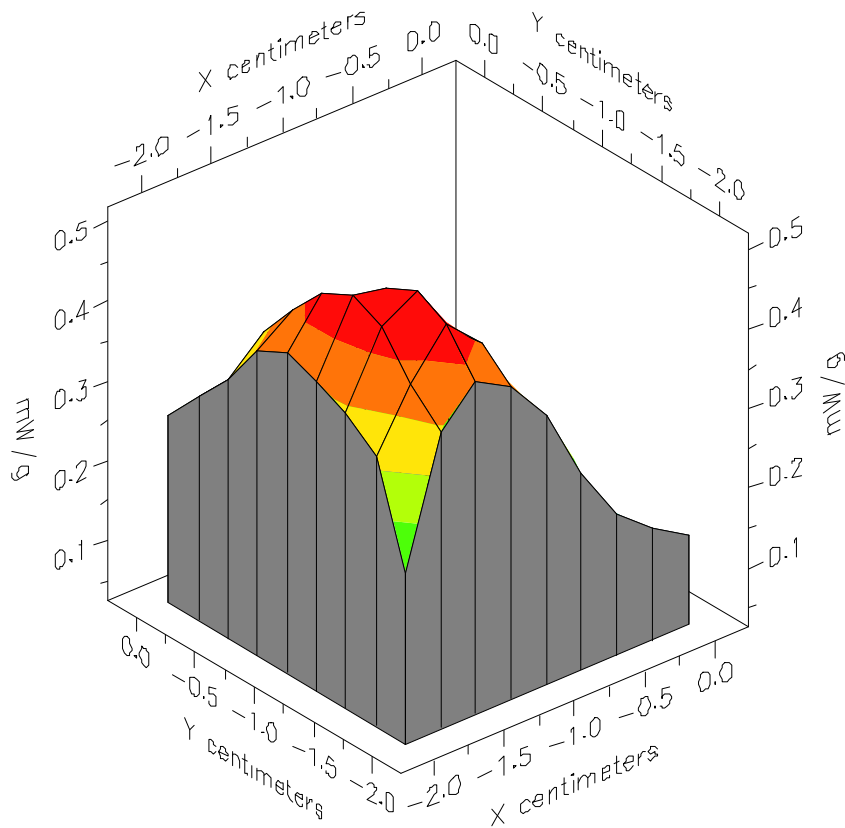
SAR Scan
File : 00052216_ZOOM
Start : 22-May-100 04:40:11 pm End : 22-May-100 04:49:08 pm
SAMSUNG/SPH-N100/B01E00DA;1908.75MHz;W;Helical/In;
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/41.300/1.650



File : 00052216_ZOOM

Start : 22-May-100 04:40:11 pm End : 22-May-100 04:49:08 pm

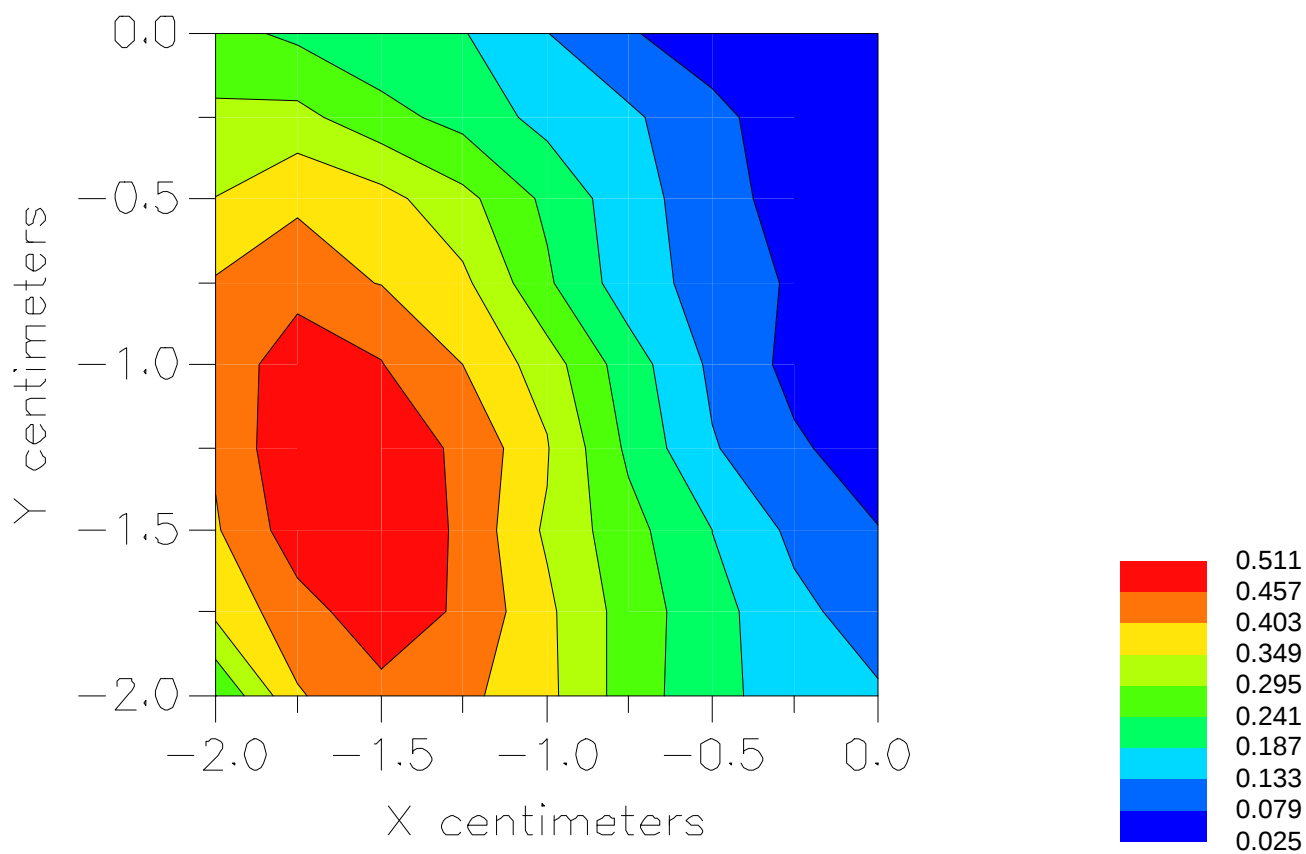
SAMSUNG/SPH-N100/B01E00DA;1908.75MHz;W;Helical/In;
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/41.300/1.650



File : 00052216_ZOOM

Start : 22-May-100 04:40:11 pm End : 22-May-100 04:49:08 pm

SAMSUNG/SPH-N100/B01E00DA;1908.75MHz;W;Helical/In;
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/41.300/1.650



File : c:/idx3/SYSTEM/SARMEAS3/data/Normal/00052205_ZOOM.VLT
Start : 22-May-100 10:51:44 am End : 22-May-100 11:01:52 am

Radio Type : SAMSUNG
Model Number : SPH-N100
Serial Number : B01E00DA
Frequency : 1908.75 MHz
Peak Trans. Pwr : 0.250 W
Start Trans. Pwr: 0.250 W
Antenna Type : Helical
Antenna Posn. : Out
Phantom Type : Head
Phantom Posn. : Left Ear
Scan Type : ZOOM/SAR
Probe Name : PCTEST
Field Type : E Field
Orientation : 0 Degrees

Mixture Type = Brain
Mixture Dielectric Constant = 41.300
Mixture Conductivity = 1.650

Comment :
SAMSUNG DUAL BAND PHONE CDMA MODE
CHAN 1175 24.0 dBm conducted
FCC ID:A3LSPHN100

Robot : PCTEST

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

PCTEST Amplifier Channel Settings : 0.245 0.231 0.224

Max Location : X = -1.250, Y = -1.000, Z = 0.000 (cm) Value = 4.202

Measured Values (volts) =
3.956E-003 3.119E-003 2.210E-003 1.601E-003 1.139E-003 8.889E-004
6.441E-004 4.422E-004 2.530E-004 2.500E-004 1.712E-004 7.312E-005
5.870E-005 5.067E-005 3.782E-005 5.473E-005 0.000E+000 8.598E-006
6.131E-006 1.623E-005 2.039E-005

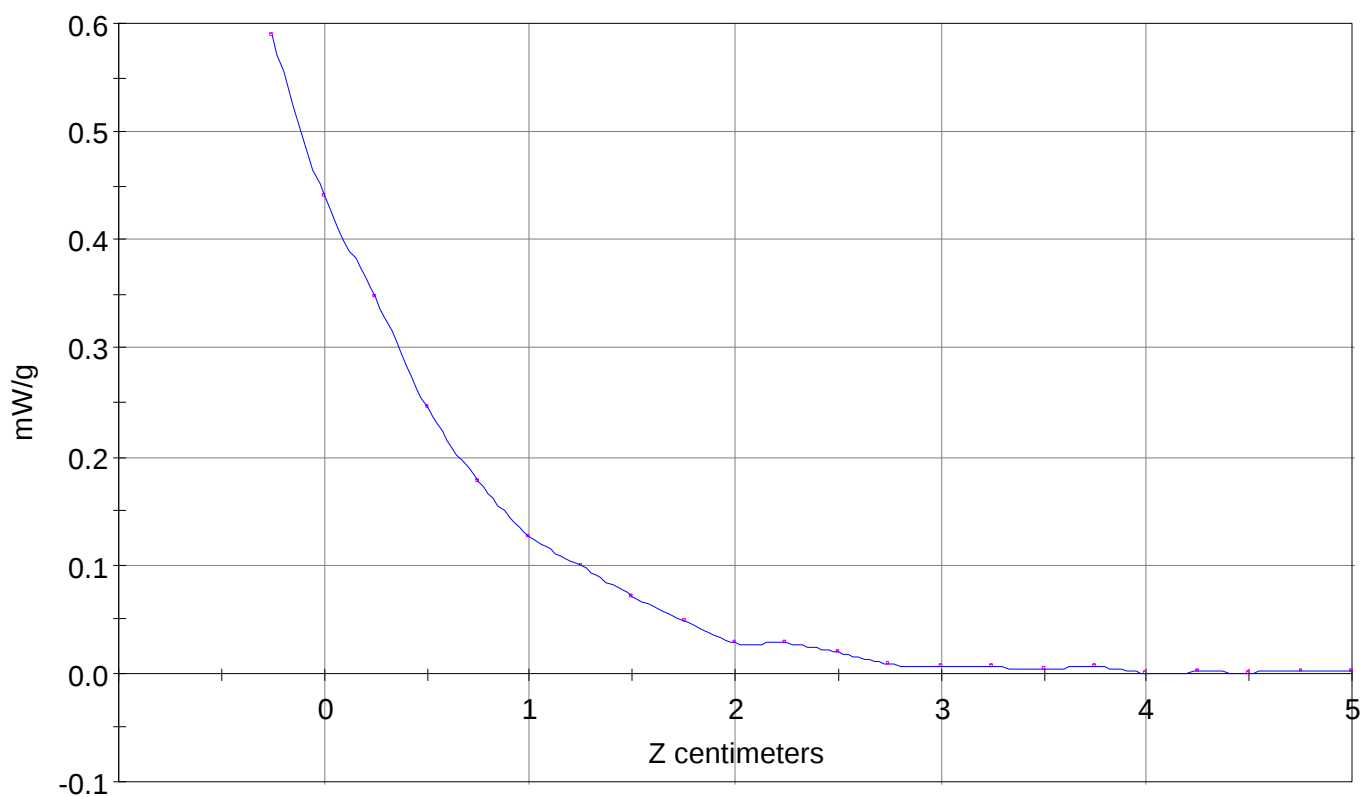
Calc. Voltage @ Surface (Vs) = 0.0053

Voltage @ 1.00 cm (Vt) = 0.0016

Ave. Voltage (Vs+Vt)/2 = 0.0035

Ave. SAR over 1 g (mW/g) = 0.3837

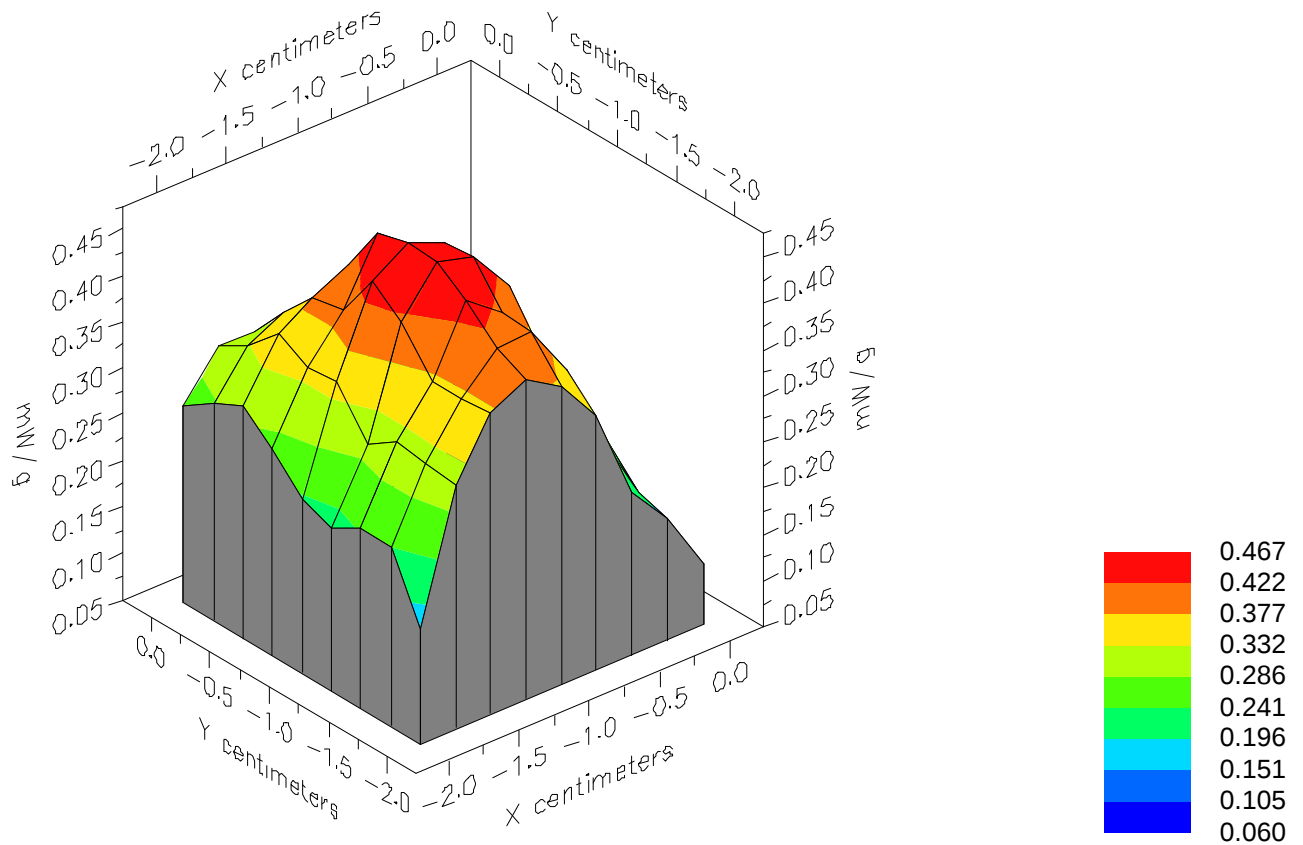
SAR Scan
File : 00052205_ZOOM
Start : 22-May-100 10:51:44 am End : 22-May-100 11:01:52 am
SAMSUNG/SPH-N100/B01E00DA;1908.75MHz;W;Helical/Out;
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/41.300/1.650



File : 00052205_ZOOM

Start : 22-May-100 10:51:44 am End : 22-May-100 11:01:52 am

SAMSUNG/SPH-N100/B01E00DA;1908.75MHz;W;Helical/Out;
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/41.300/1.650



File : 00052205_ZOOM

Start : 22-May-100 10:51:44 am End : 22-May-100 11:01:52 am

SAMSUNG/SPH-N100/B01E00DA;1908.75MHz;W;Helical/Out;

Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/41.300/1.650

