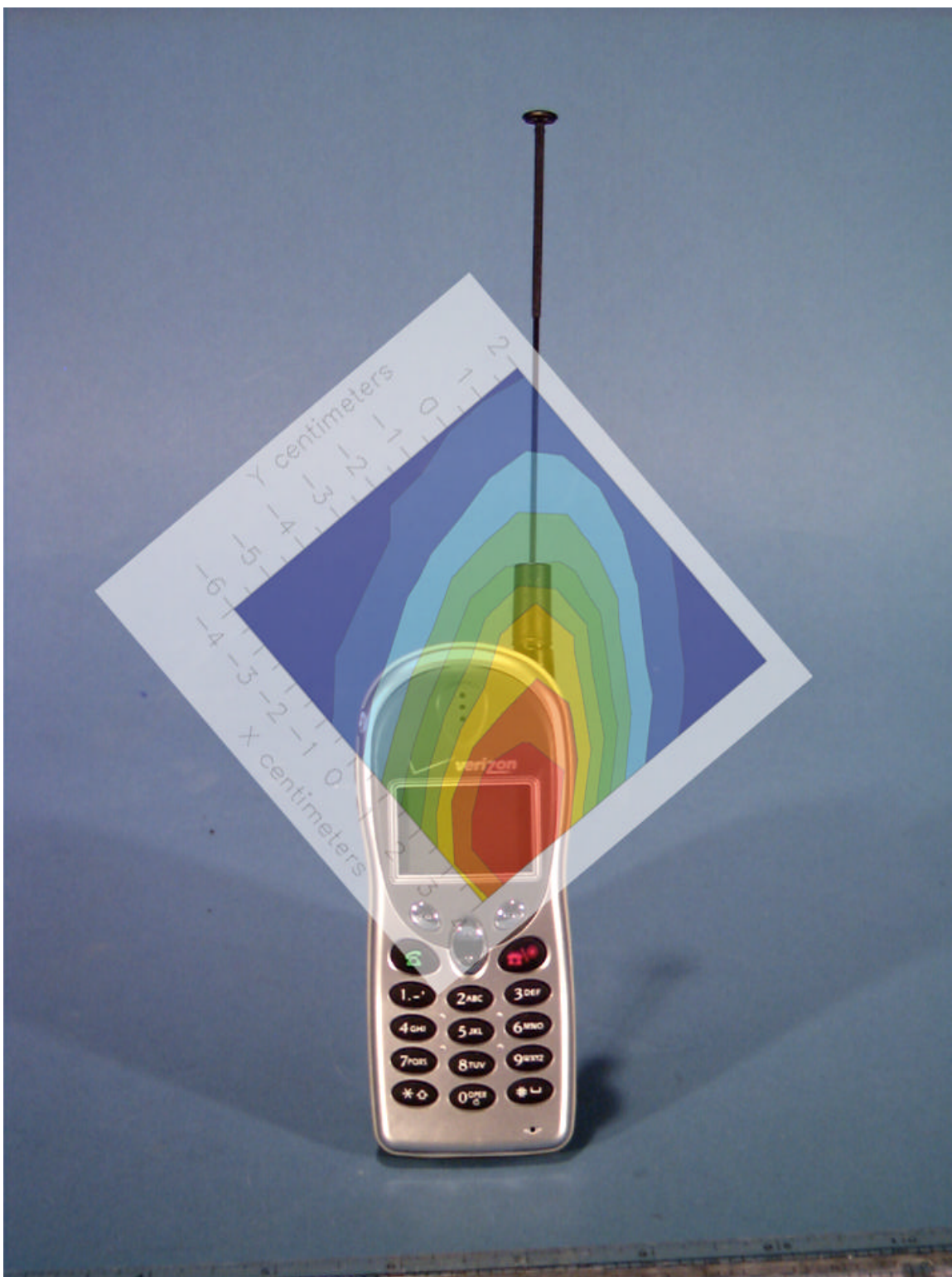


Peak SAR Location

800 MHz Head SAR



File : c:/idx3/SYSTEM/SARMEAS3/data/Normal/01072321_ZOOM.VLT
Start : 23-Jul-101 03:26:56 pm End : 23-Jul-101 03:36:33 pm

Radio Type : HYUNDAI
Model Number : TX-21B
Serial Number : 10
Frequency : 824.04 MHz
Peak Trans. Pwr : 0.500 W
Start Trans. Pwr: 0.500 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 :
HYUNDAI TRI-MODE PHONE - AMPS MODE
CH 0991 27.0 dBm Conducted
HYUNDAI TRI-MODE PHONE

Robot : PCTEST

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

PCTEST Amplifier Channel Settings : 0.166 0.135 0.132

Max Location : X = 2.000, Y = -4.250, Z = 0.000 (cm) Value = 9.478

Measured Values (volts) =
8.831E-003 7.086E-003 5.835E-003 4.895E-003 4.142E-003 3.603E-003
3.179E-003 2.895E-003 2.651E-003 2.418E-003 2.120E-003 1.818E-003
1.466E-003 1.141E-003 8.379E-004 6.072E-004 4.704E-004 4.342E-004
4.939E-004 5.824E-004 7.105E-004

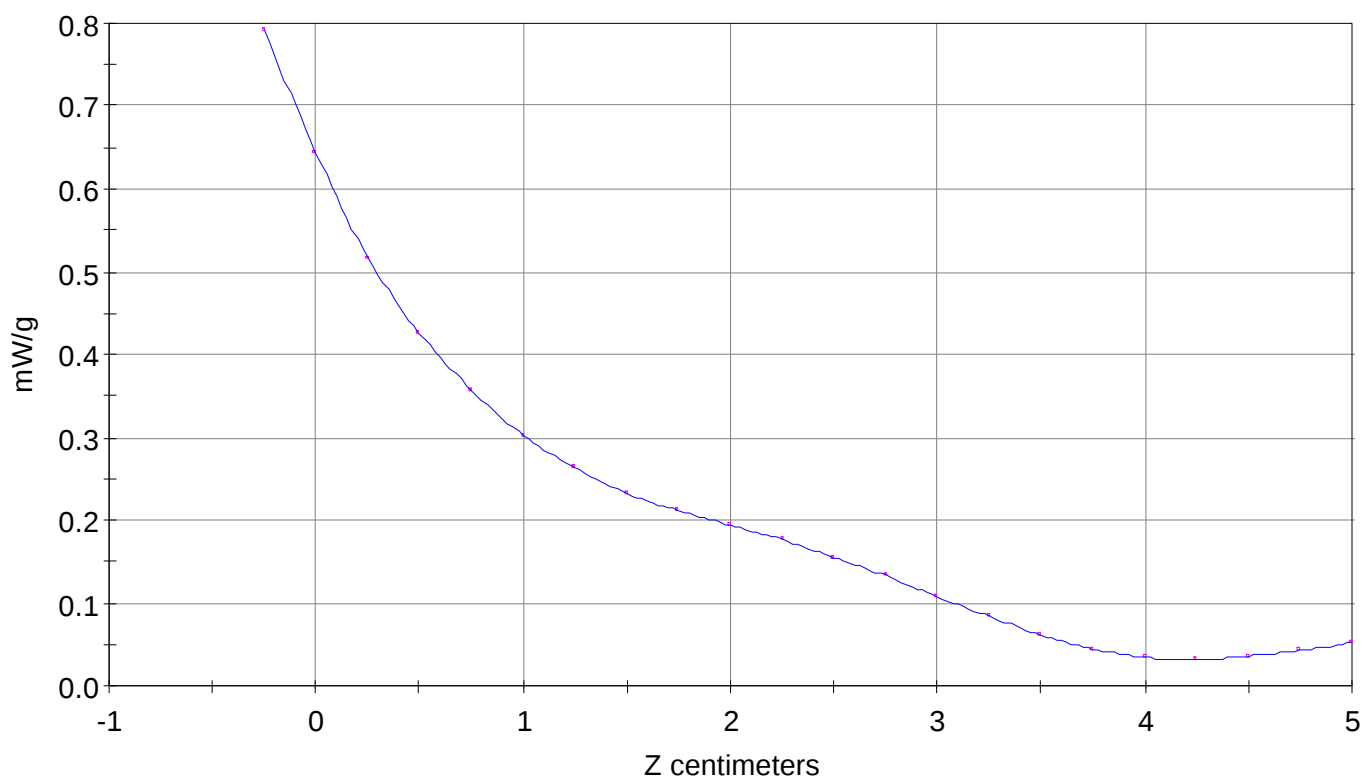
Calc. Voltage @ Surface (Vs) = 0.0109

Voltage @ 1.00 cm (Vt) = 0.0049

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

Ave. SAR over 1 g (mW/g) = 0.5750

SAR Scan
File : 01072321_ZOOM
Start : 23-Jul-101 03:26:56 pm End : 23-Jul-101 03:36:33 pm
HYUNDAI/TX-21B/10;824.04MHz;W;Helical/In;
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/41.500/0.900

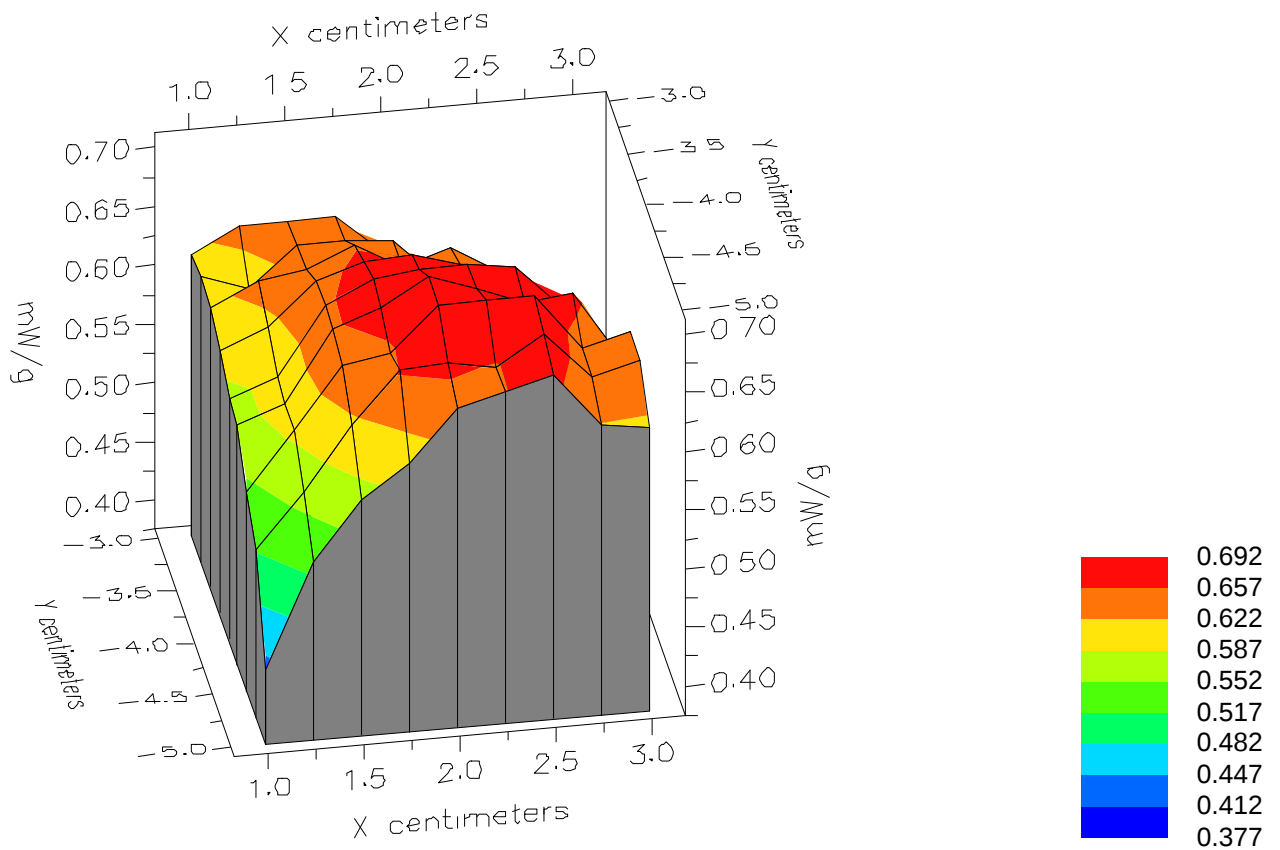


File : 01072321_ZOOM

Start : 23-Jul-101 03:26:56 pm End : 23-Jul-101 03:36:33 pm

HYUNDAI/TX-21B/10;824.04MHz;W;Helical/In;

Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/41.500/0.900

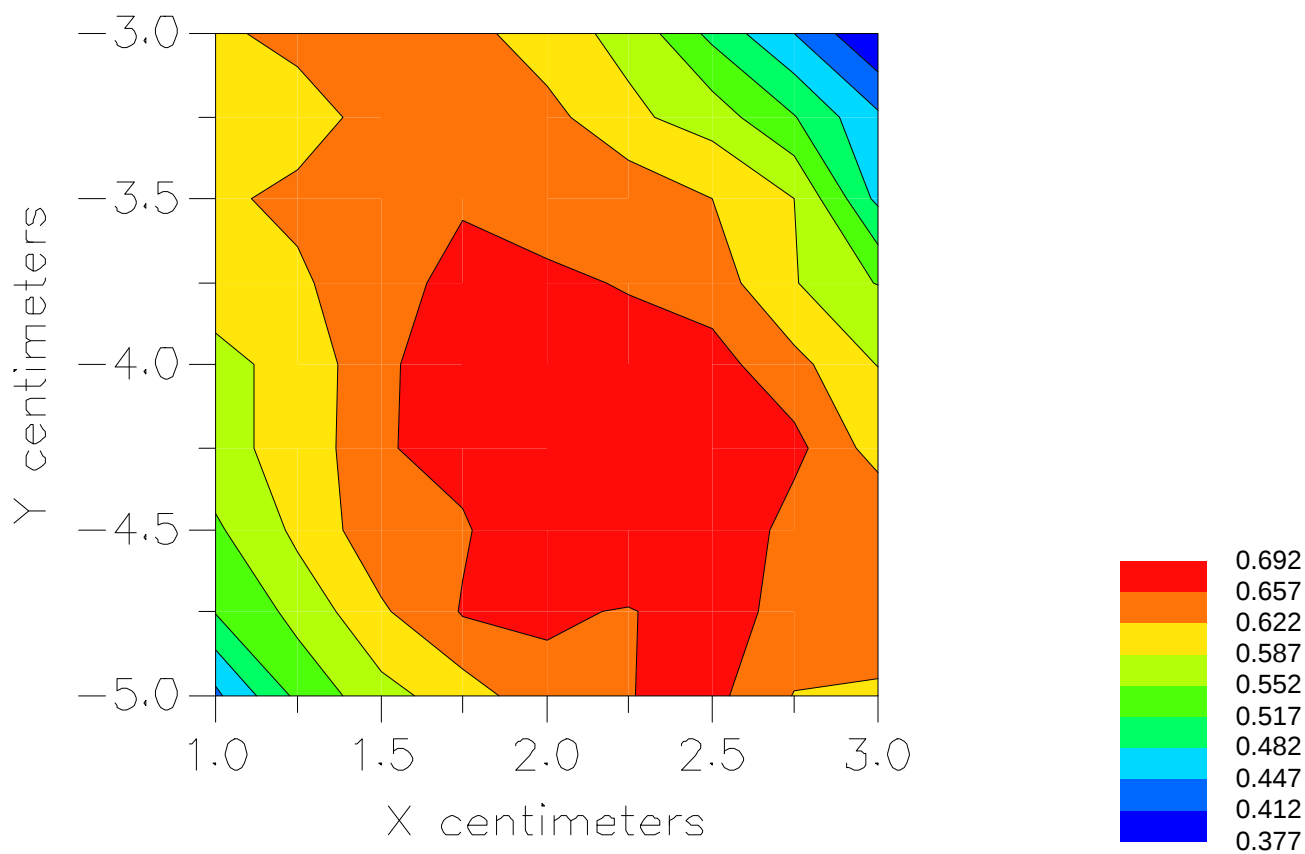


File : 01072321_ZOOM

Start : 23-Jul-101 03:26:56 pm End : 23-Jul-101 03:36:33 pm

HYUNDAI/TX-21B/10;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/01072322_ZOOM.VLT
Start : 23-Jul-101 03:38:21 pm End : 23-Jul-101 03:47:58 pm

Radio Type : HYUNDAI
Model Number : TX-21B
Serial Number : 10
Frequency : 824.04 MHz
Peak Trans. Pwr : 0.500 W
Start Trans. Pwr: 0.500 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 :
HYUNDAI TRI-MODE PHONE - AMPS MODE
CH 0991 27.0 dBm Conducted
HYUNDAI TRI-MODE PHONE

Robot : PCTEST

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

PCTEST Amplifier Channel Settings : 0.166 0.135 0.132

Max Location : X = 2.250, Y = -4.500, Z = 0.000 (cm) Value = 14.020

Measured Values (volts) =
1.333E-002 1.014E-002 8.361E-003 7.074E-003 6.102E-003 5.314E-003
4.714E-003 4.251E-003 3.845E-003 3.406E-003 3.038E-003 2.537E-003
2.029E-003 1.507E-003 1.137E-003 8.357E-004 7.175E-004 7.047E-004
8.403E-004 9.720E-004 1.037E-003

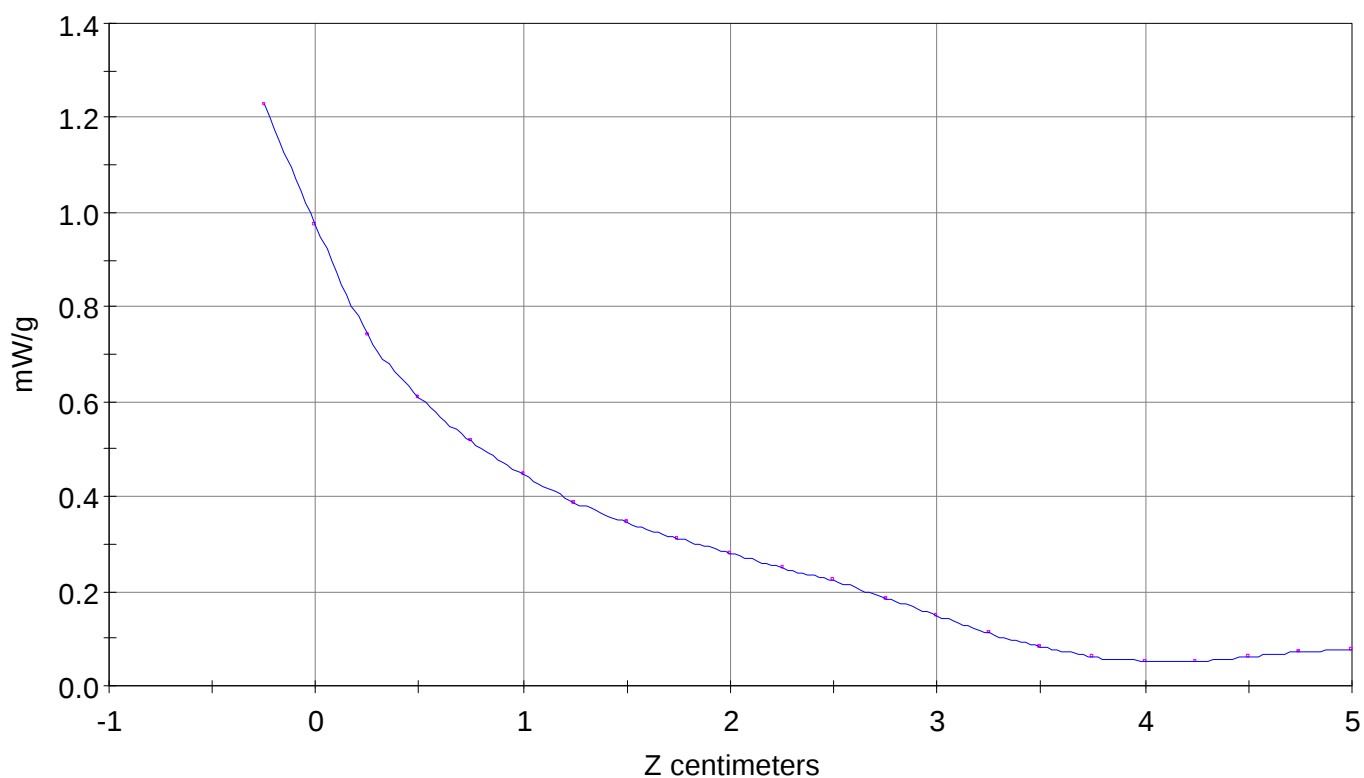
Calc. Voltage @ Surface (Vs) = 0.0168

Voltage @ 1.00 cm (Vt) = 0.0071

Ave. Voltage (Vs+Vt)/2 = 0.0120

Ave. SAR over 1 g (mW/g) = 0.8726

SAR Scan
File : 01072322_ZOOM
Start : 23-Jul-101 03:38:21 pm End : 23-Jul-101 03:47:58 pm
HYUNDAI/TX-21B/10;824.04MHz;W;Helical/Out;
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/41.500/0.900

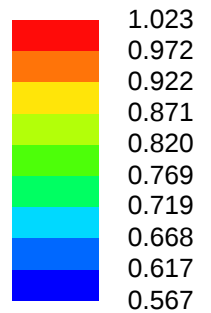
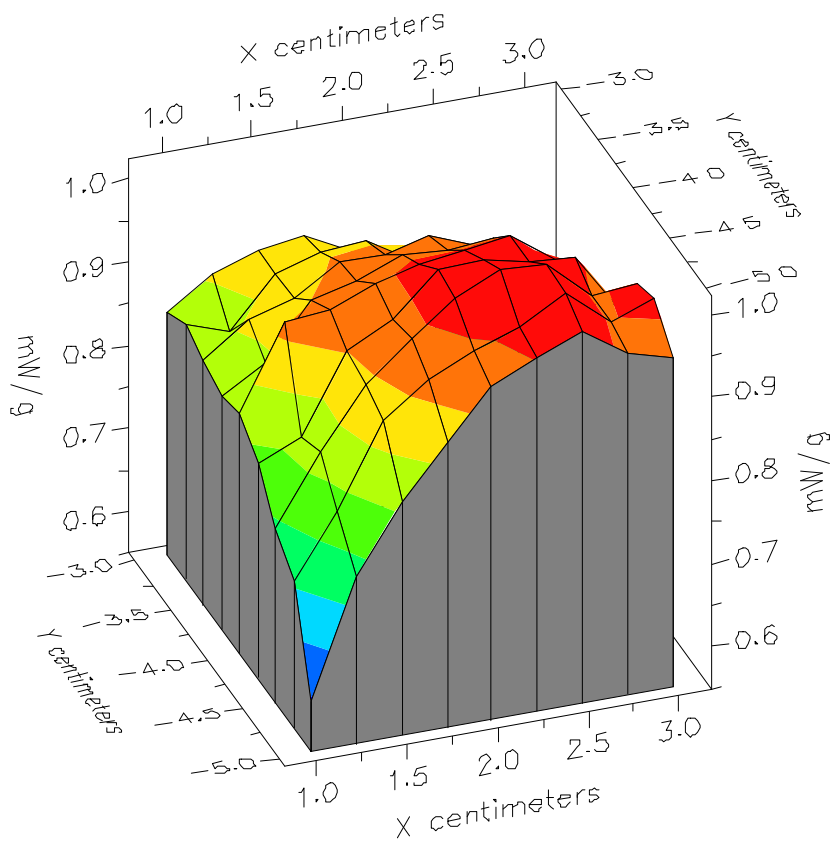


File : 01072322_ZOOM

Start : 23-Jul-101 03:38:21 pm End : 23-Jul-101 03:47:58 pm

HYUNDAI/TX-21B/10;824.04MHz;W;Helical/Out;

Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/41.500/0.900

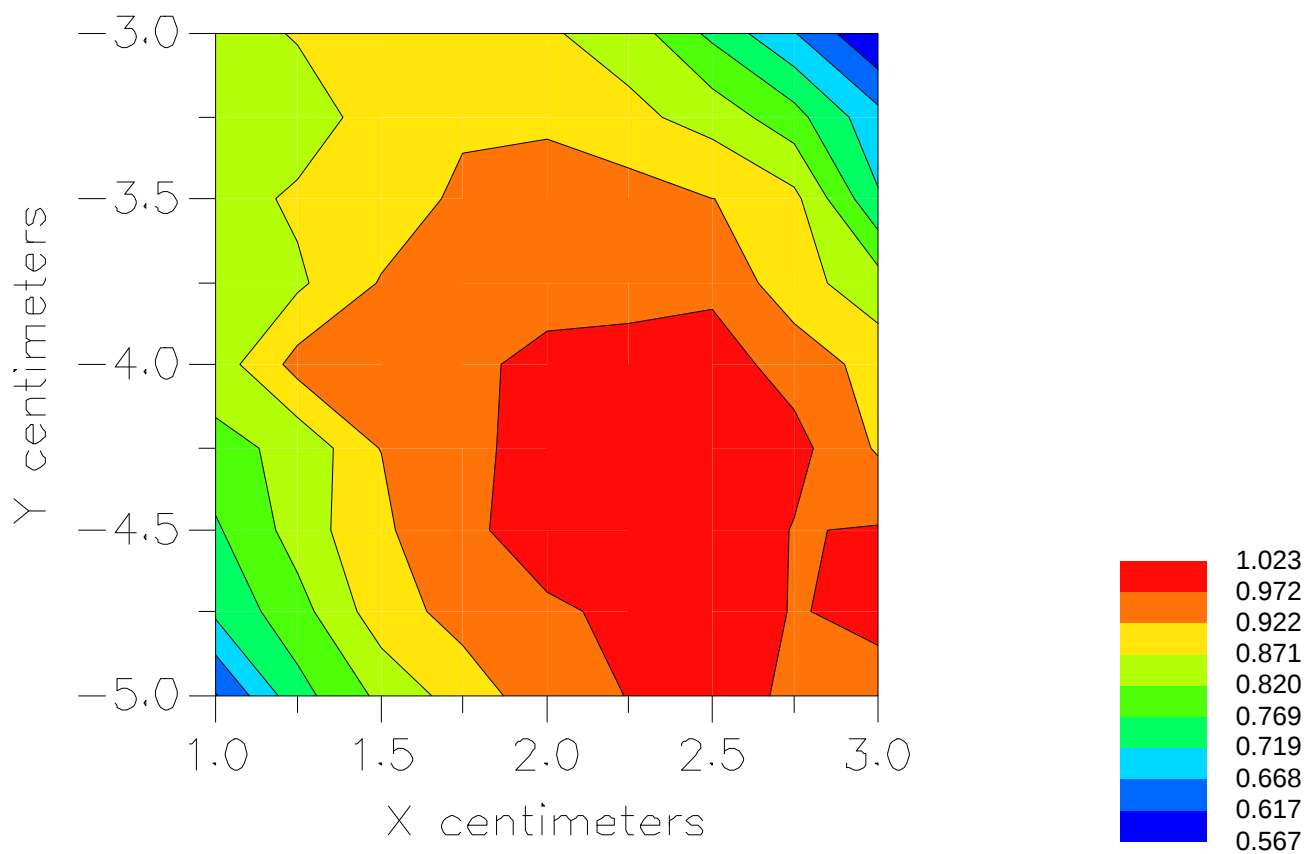


File : 01072322_ZOOM

Start : 23-Jul-101 03:38:21 pm End : 23-Jul-101 03:47:58 pm

HYUNDAI/TX-21B/10;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/01072316_ZOOM.VLT
Start : 23-Jul-101 02:25:14 pm End : 23-Jul-101 02:34:50 pm

Radio Type : HYUNDAI
Model Number : TX-21B
Serial Number : 10
Frequency : 836.49 MHz
Peak Trans. Pwr : 0.500 W
Start Trans. Pwr: 0.500 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 :
HYUNDAI TRI-MODE PHONE - AMPS MODE
CH 0383 27.0 dBm Conducted
HYUNDAI TRI-MODE PHONE

Robot : PCTEST

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

PCTEST Amplifier Channel Settings : 0.166 0.135 0.132

Max Location : X = 2.500, Y = -4.500, Z = 0.000 (cm) Value = 10.417

Measured Values (volts) =
1.042E-002 7.538E-003 6.284E-003 5.161E-003 4.415E-003 3.842E-003
3.318E-003 3.031E-003 2.769E-003 2.446E-003 2.140E-003 1.813E-003
1.454E-003 1.071E-003 7.833E-004 6.224E-004 5.357E-004 5.440E-004
6.172E-004 7.210E-004 7.716E-004

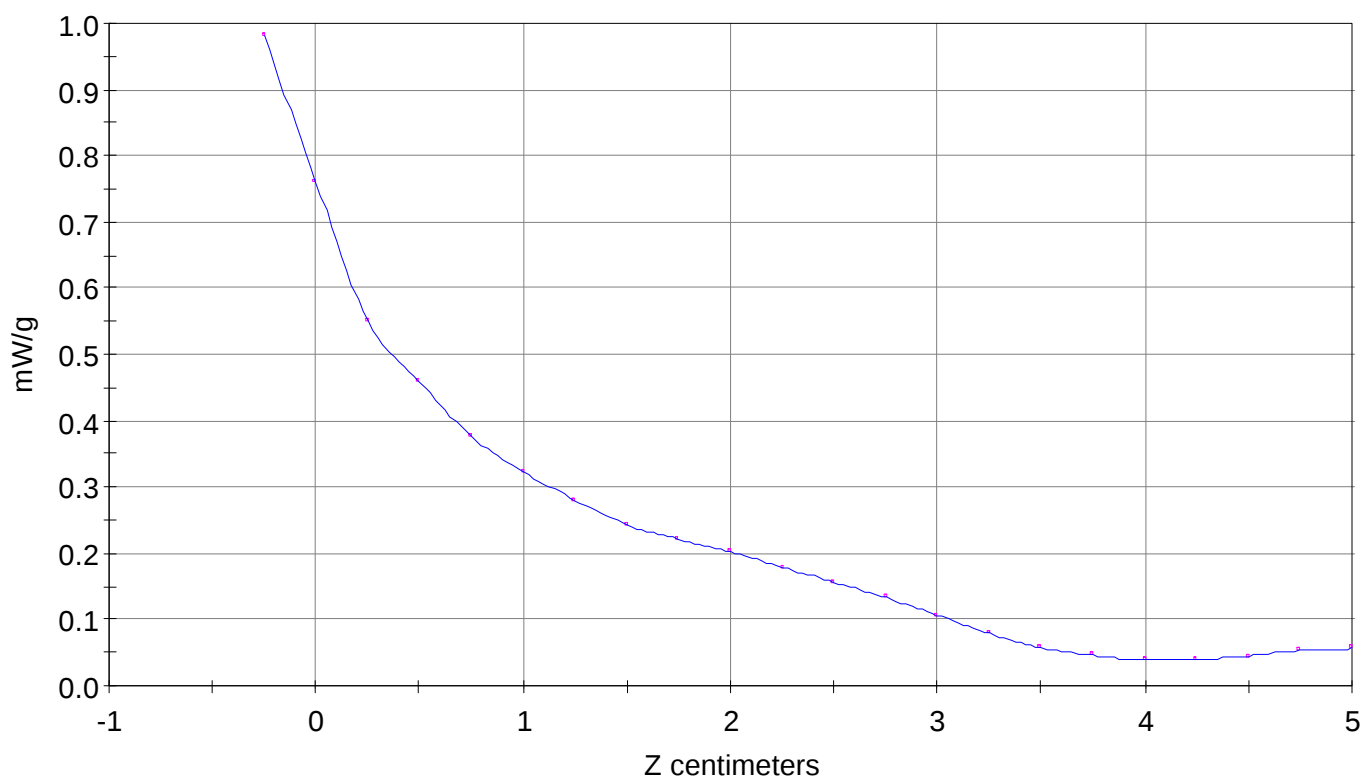
Calc. Voltage @ Surface (Vs) = 0.0135

Voltage @ 1.00 cm (Vt) = 0.0052

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

Ave. SAR over 1 g (mW/g) = 0.6792

SAR Scan
File : 01072316_ZOOM
Start : 23-Jul-101 02:25:14 pm End : 23-Jul-101 02:34:50 pm
HYUNDAI/TX-21B/10;836.49MHz;W;Helical/In;
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/41.500/0.900

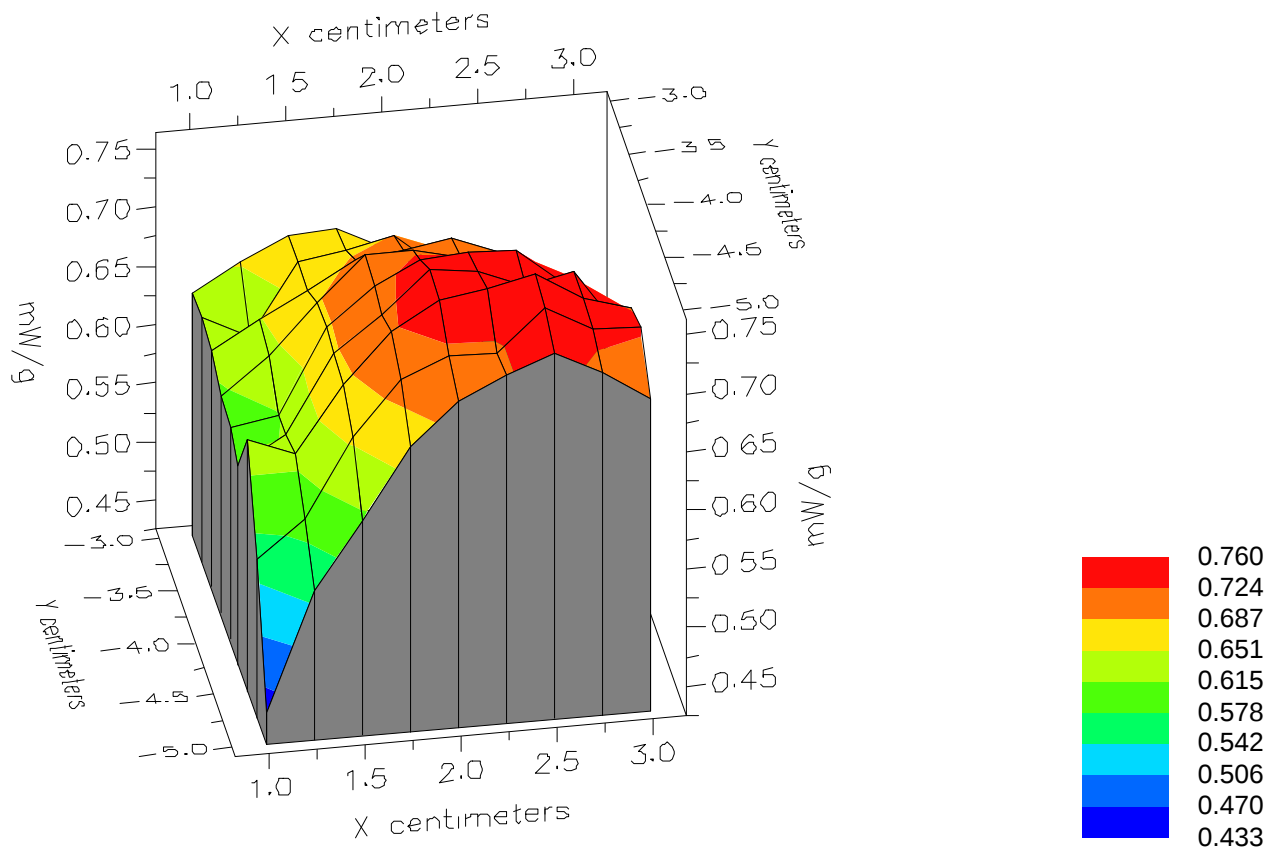


File : 01072316_ZOOM

Start : 23-Jul-101 02:25:14 pm End : 23-Jul-101 02:34:50 pm

HYUNDAI/TX-21B/10;836.49MHz;W;Helical/In;

Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/41.500/0.900

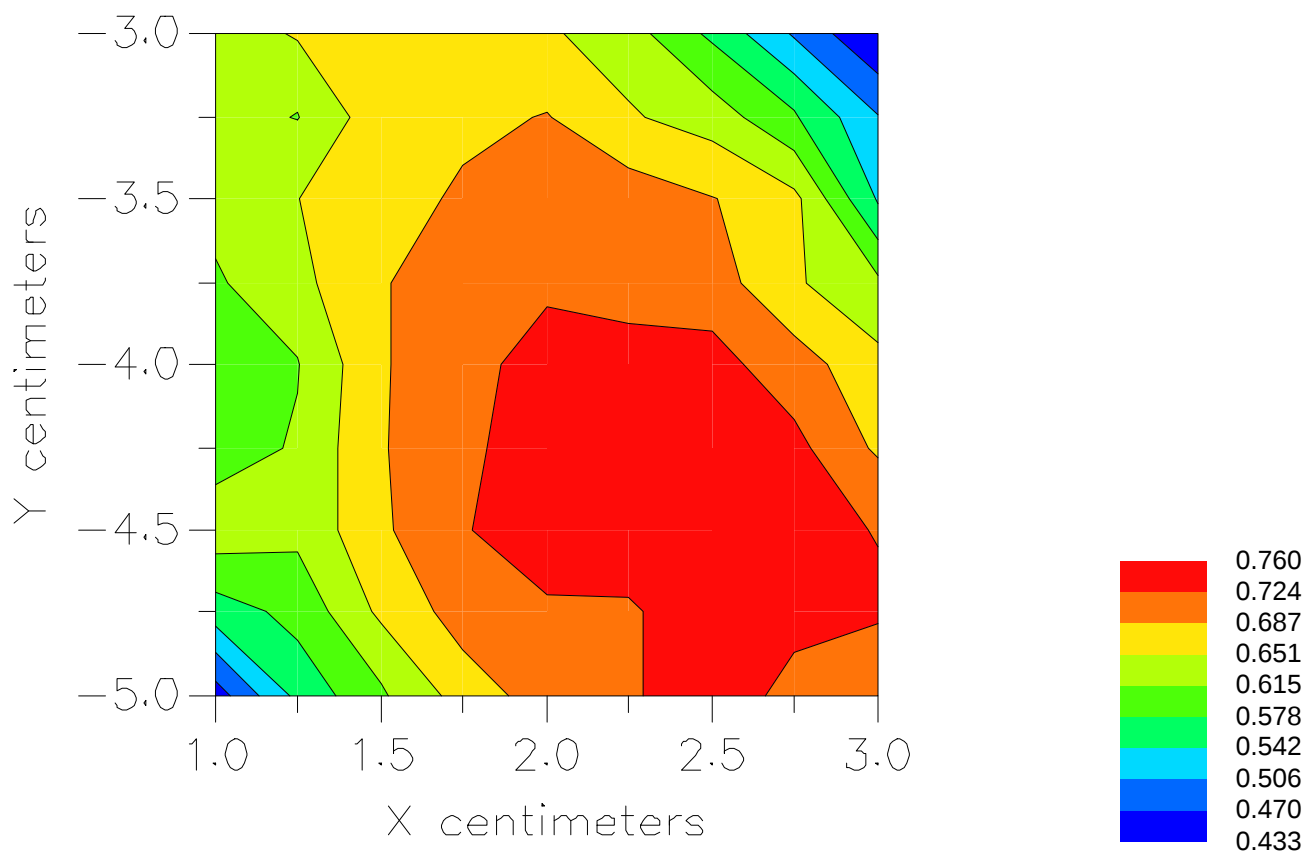


File : 01072316_ZOOM

Start : 23-Jul-101 02:25:14 pm End : 23-Jul-101 02:34:50 pm

HYUNDAI/TX-21B/10;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/01072314_ZOOM.VLT
Start : 23-Jul-101 02:01:20 pm End : 23-Jul-101 02:12:59 pm

Radio Type : HYUNDAI
Model Number : TX-21B
Serial Number : 10
Frequency : 836.49 MHz
Peak Trans. Pwr : 0.500 W
Start Trans. Pwr: 0.500 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 :
HYUNDAI TRI-MODE PHONE - AMPS MODE
CH 0383 27.0 dBm Conducted
HYUNDAI TRI-MODE PHONE

Robot : PCTEST

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

PCTEST Amplifier Channel Settings : 0.166 0.135 0.132

Max Location : X = 2.500, Y = -4.500, Z = 0.000 (cm) Value = 14.223

Measured Values (volts) =
1.411E-002 1.048E-002 8.585E-003 7.177E-003 6.079E-003 5.179E-003
4.685E-003 4.217E-003 3.796E-003 3.400E-003 3.018E-003 2.559E-003
2.085E-003 1.570E-003 1.163E-003 9.580E-004 8.110E-004 7.797E-004
8.800E-004 1.005E-003 1.092E-003

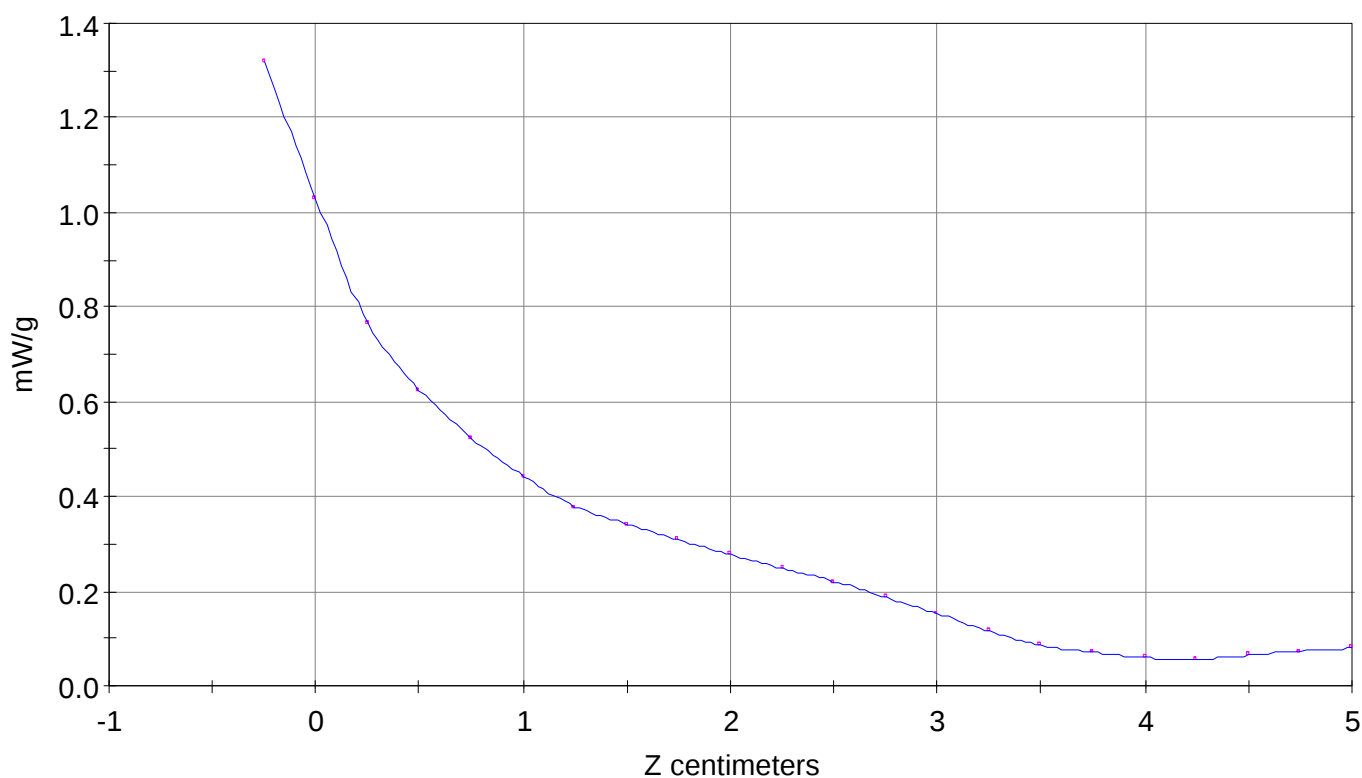
Calc. Voltage @ Surface (Vs) = 0.0181

Voltage @ 1.00 cm (Vt) = 0.0072

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

Ave. SAR over 1 g (mW/g) = 0.9225

SAR Scan
File : 01072314_ZOOM
Start : 23-Jul-101 02:01:20 pm End : 23-Jul-101 02:12:59 pm
HYUNDAI/TX-21B/10;836.49MHz;W;Helical/Out;
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/41.500/0.900

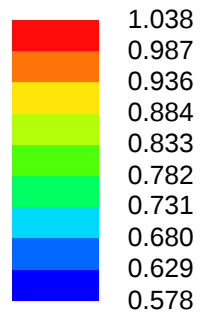
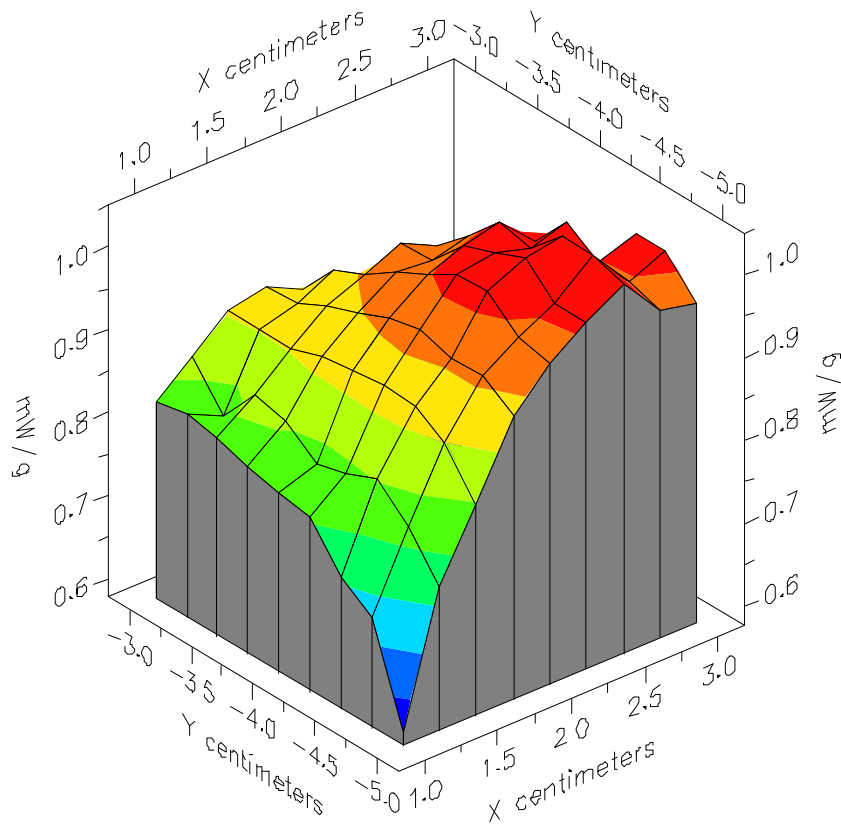


File : 01072314_ZOOM

Start : 23-Jul-101 02:01:20 pm End : 23-Jul-101 02:12:59 pm

HYUNDAI/TX-21B/10;836.49MHz;W;Helical/Out;

Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/41.500/0.900

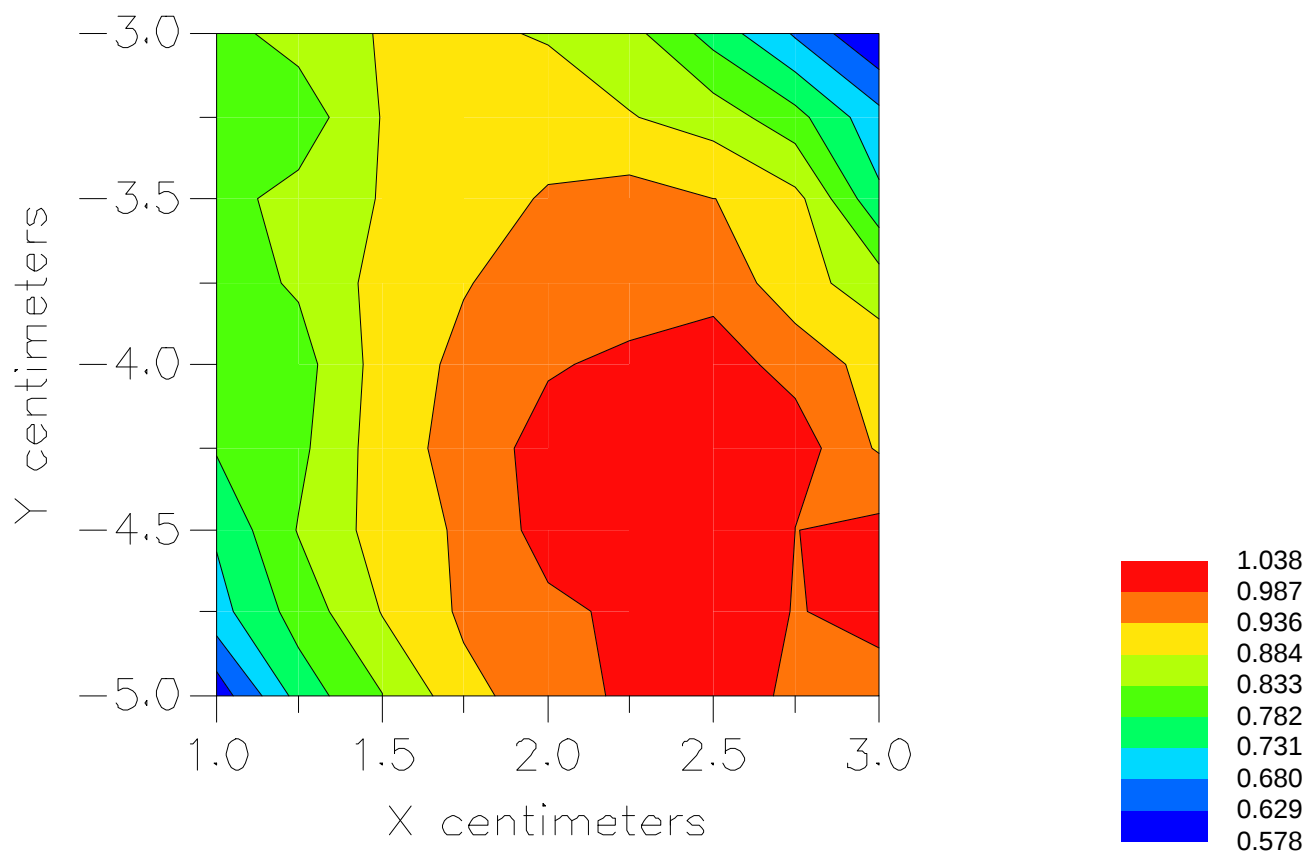


File : 01072314_ZOOM

Start : 23-Jul-101 02:01:20 pm End : 23-Jul-101 02:12:59 pm

HYUNDAI/TX-21B/10;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/01072313_ZOOM.VLT
Start : 23-Jul-101 01:46:52 pm End : 23-Jul-101 01:56:28 pm

Radio Type : HYUNDAI
Model Number : TX-21B
Serial Number : 10
Frequency : 848.97 MHz
Peak Trans. Pwr : 0.500 W
Start Trans. Pwr: 0.500 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 :
HYUNDAI TRI-MODE PHONE - AMPS MODE
CH 0799 27.0 dBm Conducted
HYUNDAI TRI-MODE PHONE

Robot : PCTEST

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

PCTEST Amplifier Channel Settings : 0.166 0.135 0.132

Max Location : X = 2.500, Y = -4.500, Z = 0.000 (cm) Value = 13.649

Measured Values (volts) =
1.340E-002 1.016E-002 8.362E-003 6.923E-003 5.898E-003 5.023E-003
4.463E-003 4.010E-003 3.595E-003 3.238E-003 2.867E-003 2.436E-003
1.958E-003 1.494E-003 1.087E-003 8.214E-004 7.135E-004 7.064E-004
8.083E-004 9.337E-004 1.052E-003

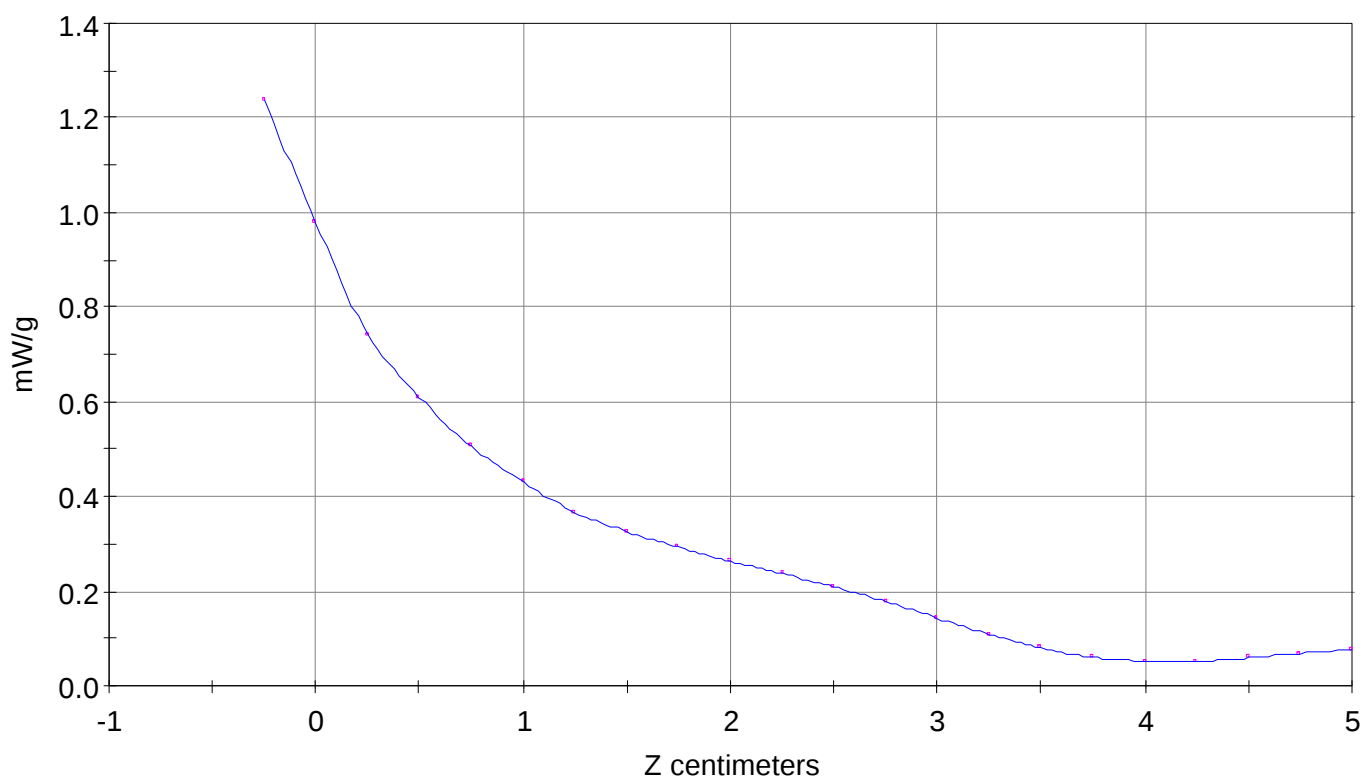
Calc. Voltage @ Surface (Vs) = 0.0170

Voltage @ 1.00 cm (Vt) = 0.0069

Ave. Voltage (Vs+Vt)/2 = 0.0120

Ave. SAR over 1 g (mW/g) = 0.8719

SAR Scan
File : 01072313_ZOOM
Start : 23-Jul-101 01:46:52 pm End : 23-Jul-101 01:56:28 pm
HYUNDAI/TX-21B/10;848.97MHz;W;Helical/In;
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/41.500/0.900

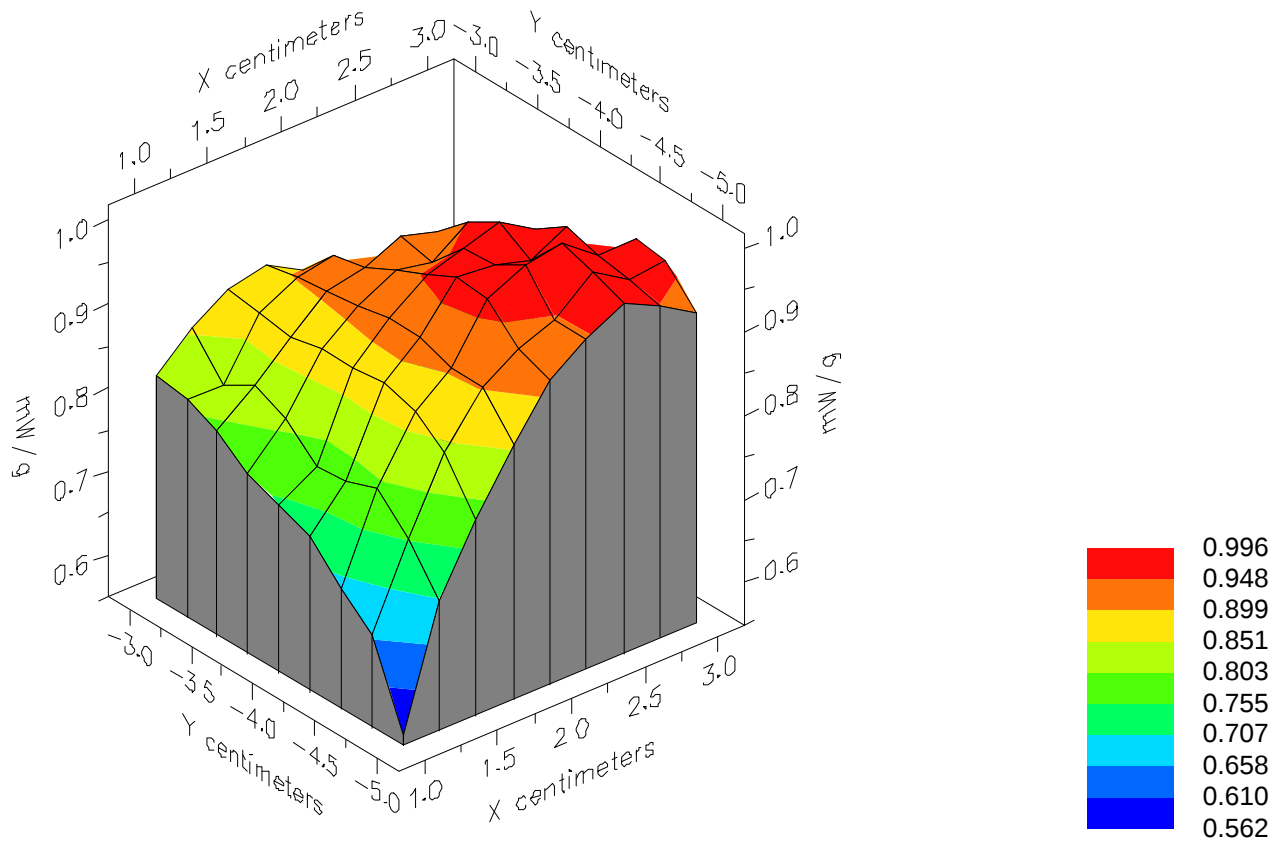


File : 01072313_ZOOM

Start : 23-Jul-101 01:46:52 pm End : 23-Jul-101 01:56:28 pm

HYUNDAI/TX-21B/10;848.97MHz;W;Helical/In;

Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/41.500/0.900

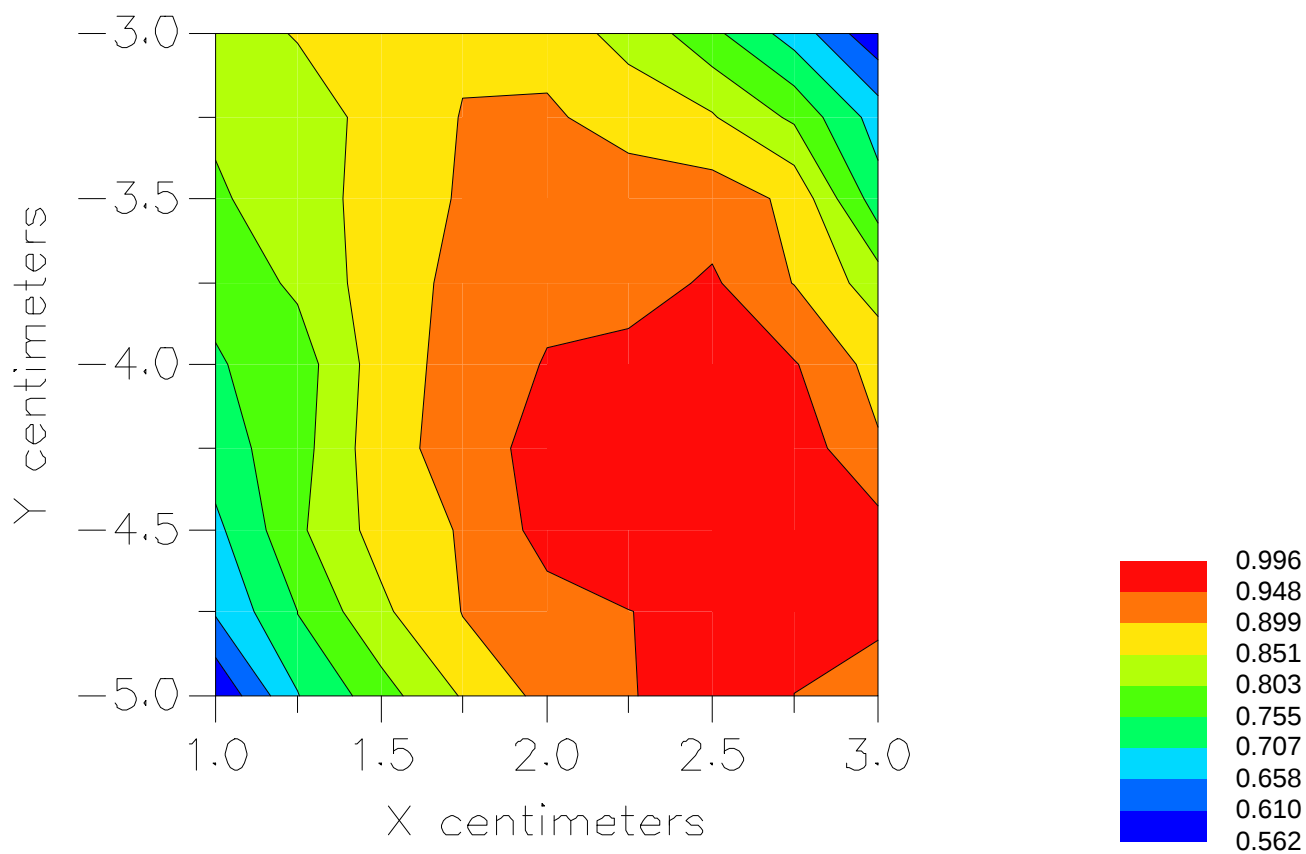


File : 01072313_ZOOM

Start : 23-Jul-101 01:46:52 pm End : 23-Jul-101 01:56:28 pm

HYUNDAI/TX-21B/10;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/01072312_ZOOM.VLT
Start : 23-Jul-101 01:26:33 pm End : 23-Jul-101 01:36:09 pm

Radio Type : HYUNDAI
Model Number : TX-21B
Serial Number : 10
Frequency : 848.97 MHz
Peak Trans. Pwr : 0.500 W
Start Trans. Pwr: 0.500 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 :
HYUNDAI TRI-MODE PHONE - AMPS MODE
CH 0799 27.0 dBm Conducted
HYUNDAI TRI-MODE PHONE

Robot : PCTEST

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

PCTEST Amplifier Channel Settings : 0.166 0.135 0.132

Max Location : X = 2.500, Y = -4.500, Z = 0.000 (cm) Value = 16.008

Measured Values (volts) =
1.582E-002 1.215E-002 9.936E-003 8.358E-003 7.050E-003 5.912E-003
5.256E-003 4.738E-003 4.308E-003 3.844E-003 3.452E-003 2.950E-003
2.490E-003 1.863E-003 1.427E-003 1.091E-003 9.389E-004 8.852E-004
1.003E-003 1.161E-003 1.259E-003

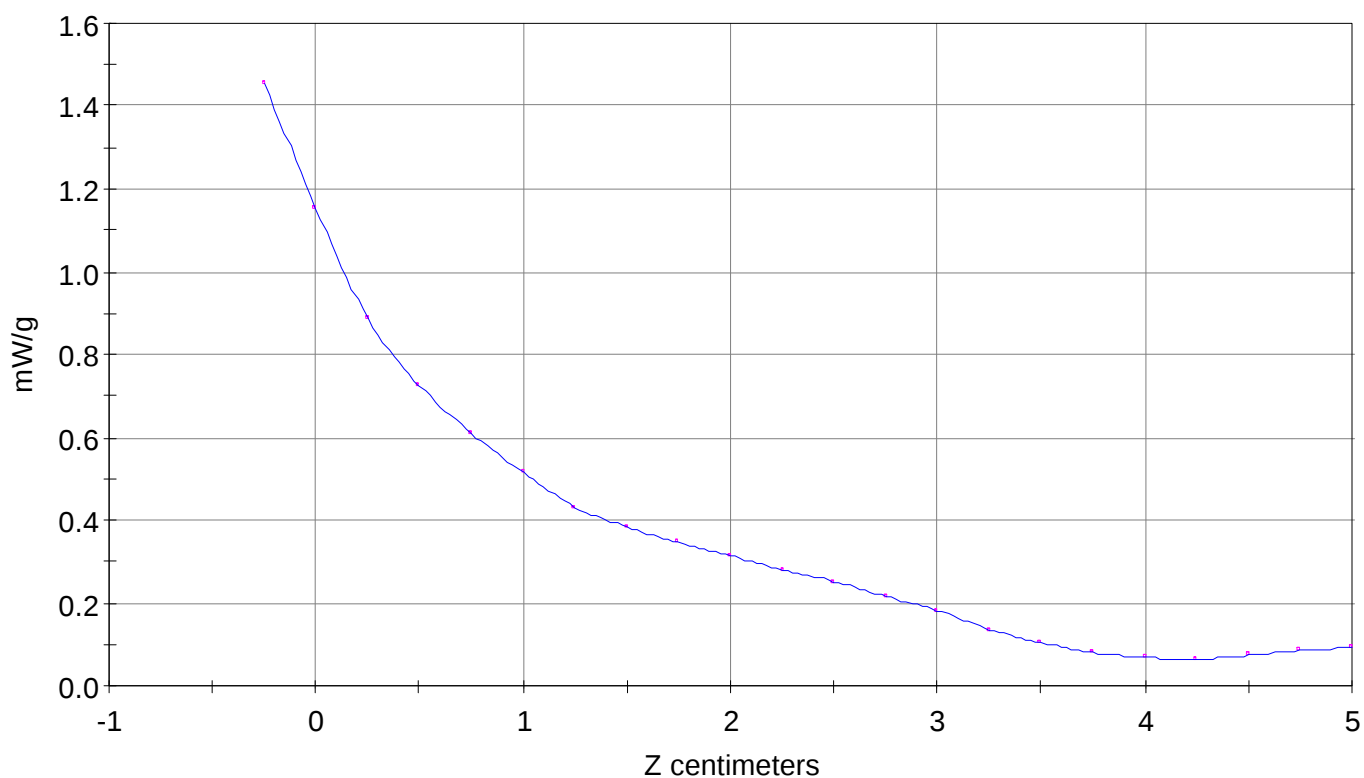
Calc. Voltage @ Surface (Vs) = 0.0200

Voltage @ 1.00 cm (Vt) = 0.0084

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

Ave. SAR over 1 g (mW/g) = 1.0336

SAR Scan
File : 01072312_ZOOM
Start : 23-Jul-101 01:26:33 pm End : 23-Jul-101 01:36:09 pm
HYUNDAI/TX-21B/10;848.97MHz;W;Helical/Out;
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/41.500/0.900

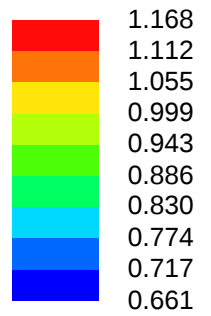
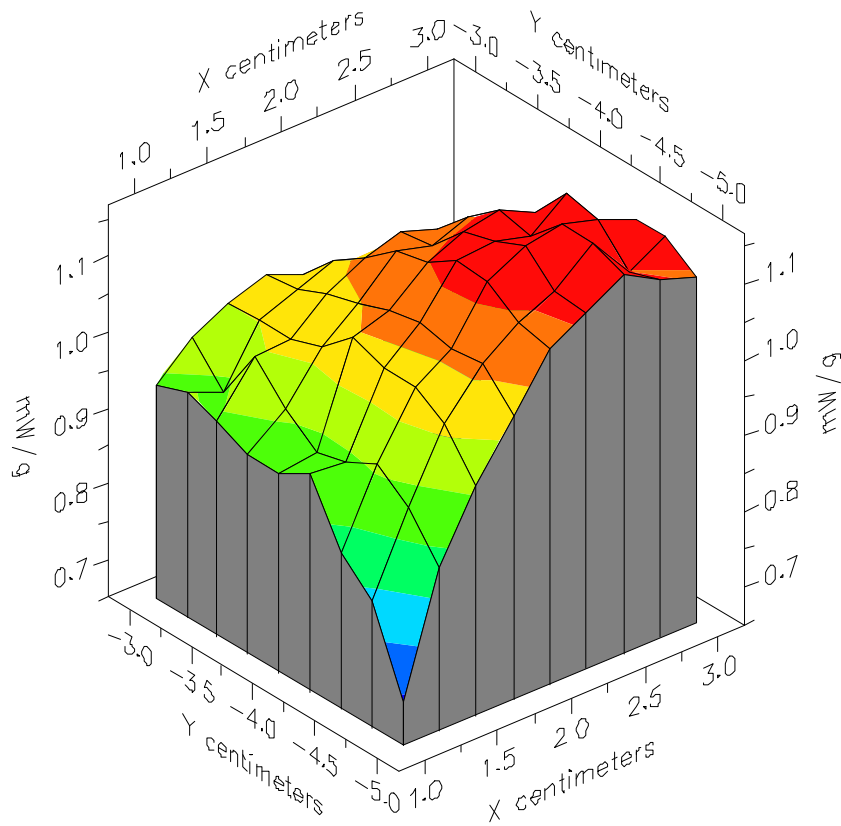


File : 01072312_ZOOM

Start : 23-Jul-101 01:26:33 pm End : 23-Jul-101 01:36:09 pm

HYUNDAI/TX-21B/10;848.97MHz;W;Helical/Out;

Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/41.500/0.900

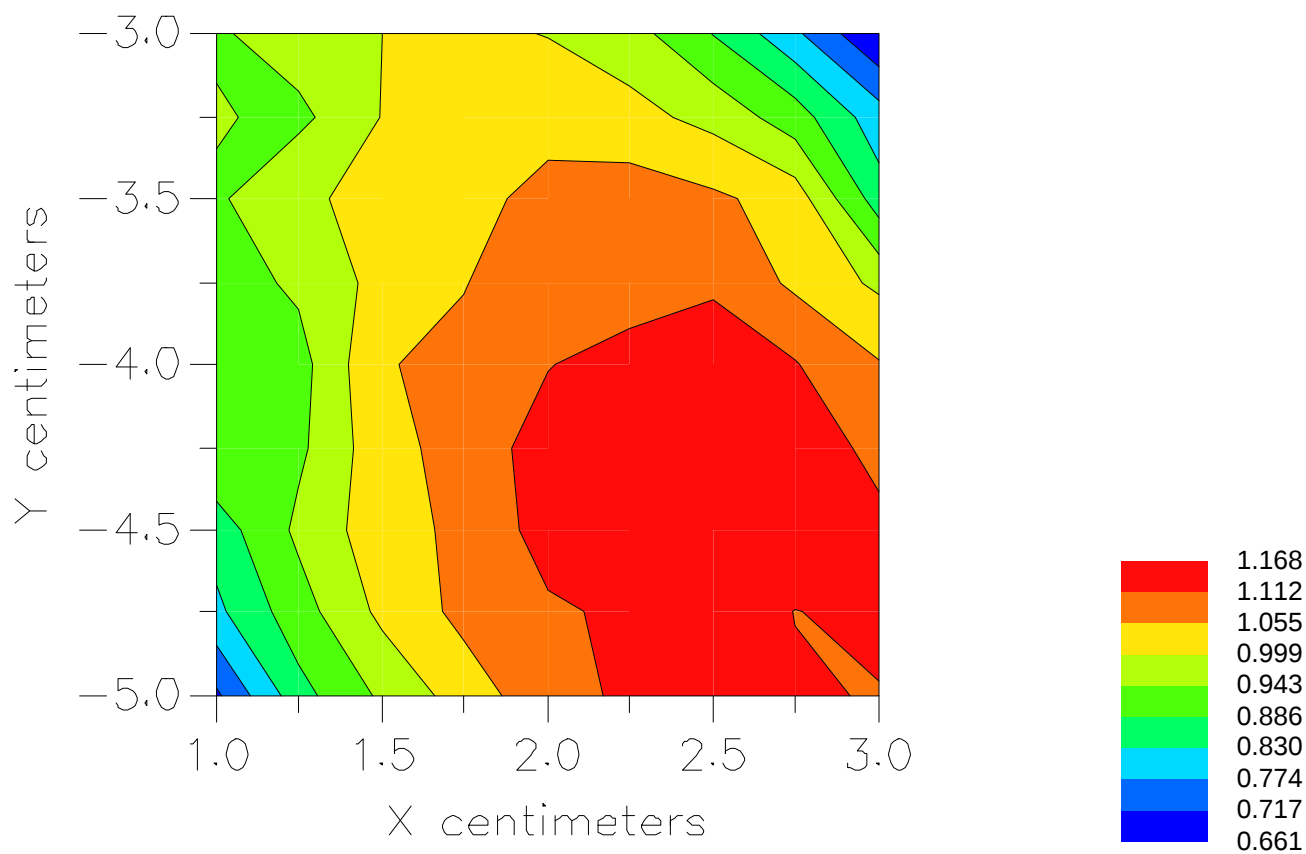


File : 01072312_ZOOM

Start : 23-Jul-101 01:26:33 pm End : 23-Jul-101 01:36:09 pm

HYUNDAI/TX-21B/10;848.97MHz;W;Helical/Out;

Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/41.500/0.900



File : c:/idx3/SYSTEM/SARMEAS3/data/Normal/01072320_ZOOM.VLT
Start : 23-Jul-101 03:14:14 pm End : 23-Jul-101 03:23:51 pm

Radio Type : HYUNDAI
Model Number : TX-21B
Serial Number : 10
Frequency : 848.31 MHz
Peak Trans. Pwr : 0.280 W
Start Trans. Pwr: 0.280 W
Antenna Type : Helical
Antenna Posn. : In
Phantom Type : Head
Phantom Posn. : Left Ear
Scan Type : ZOOM/SAR
Probe Name : PCTEST
Field Type : E Field
Orientation : 0 Degrees

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

Comment :
HYUNDAI TRI-MODE PHONE - CDMA MODE
CH 0777 24.5 dBm Conducted
HYUNDAI TRI-MODE PHONE

Robot : PCTEST

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

PCTEST Amplifier Channel Settings : 0.166 0.135 0.132

Max Location : X = 2.500, Y = -4.500, Z = 0.000 (cm) Value = 9.528

Measured Values (volts) =
9.337E-003 6.845E-003 5.580E-003 4.808E-003 4.004E-003 3.431E-003
3.058E-003 2.782E-003 2.455E-003 2.220E-003 1.961E-003 1.646E-003
1.328E-003 9.627E-004 7.388E-004 5.804E-004 5.031E-004 5.167E-004
5.921E-004 6.781E-004 7.487E-004

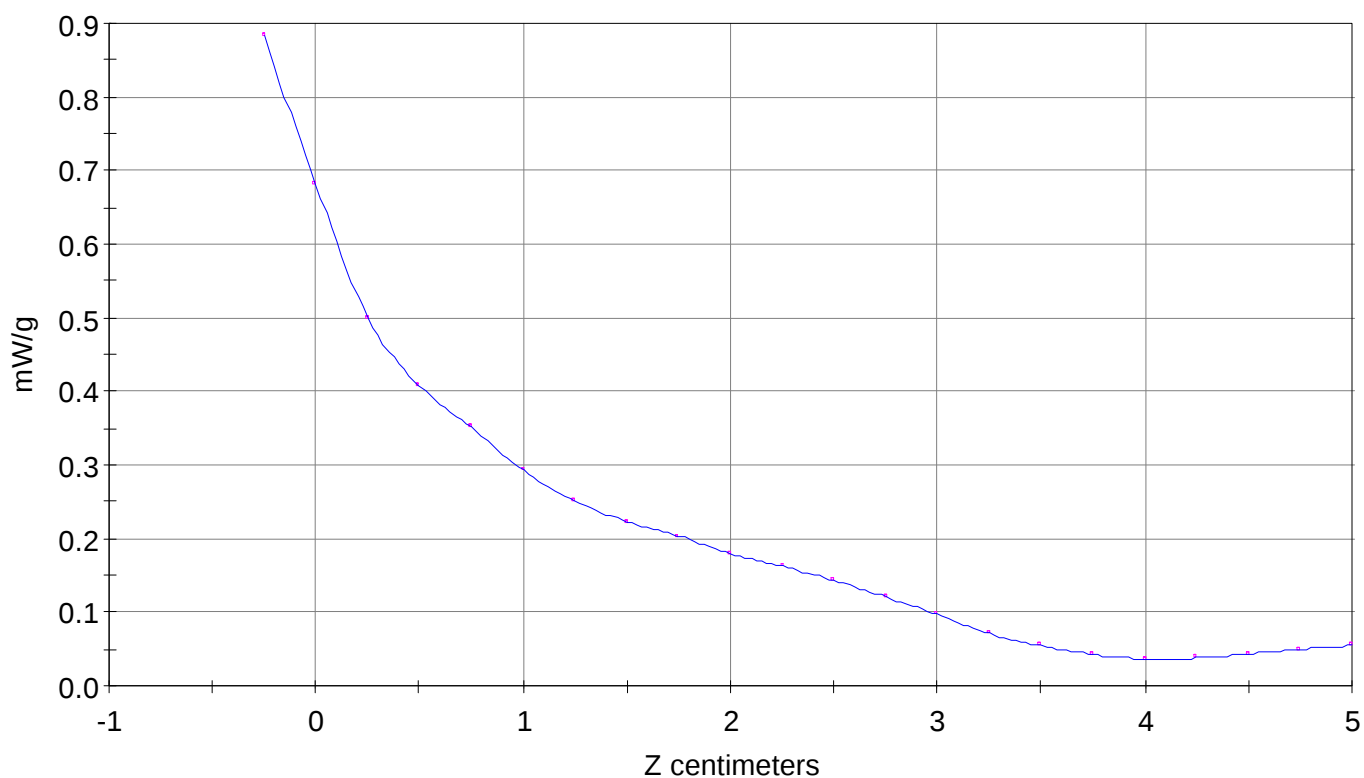
Calc. Voltage @ Surface (Vs) = 0.0121

Voltage @ 1.00 cm (Vt) = 0.0048

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

Ave. SAR over 1 g (mW/g) = 0.6166

SAR Scan
File : 01072320_ZOOM
Start : 23-Jul-101 03:14:14 pm End : 23-Jul-101 03:23:51 pm
HYUNDAI/TX-21B/10;848.31MHz;W;Helical/In;
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/41.500/0.900

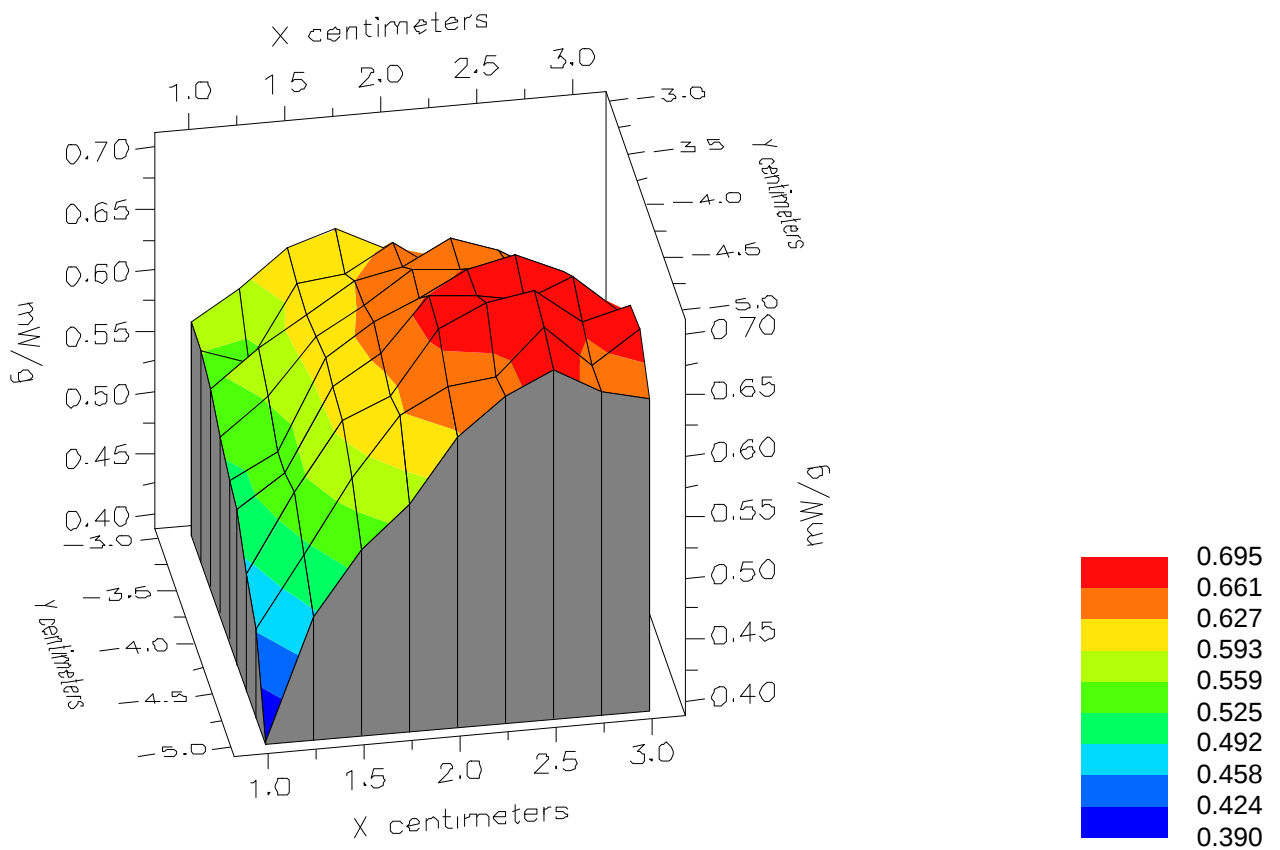


File : 01072320_ZOOM

Start : 23-Jul-101 03:14:14 pm End : 23-Jul-101 03:23:51 pm

HYUNDAI/TX-21B/10;848.31MHz;W;Helical/In;

Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/41.500/0.900

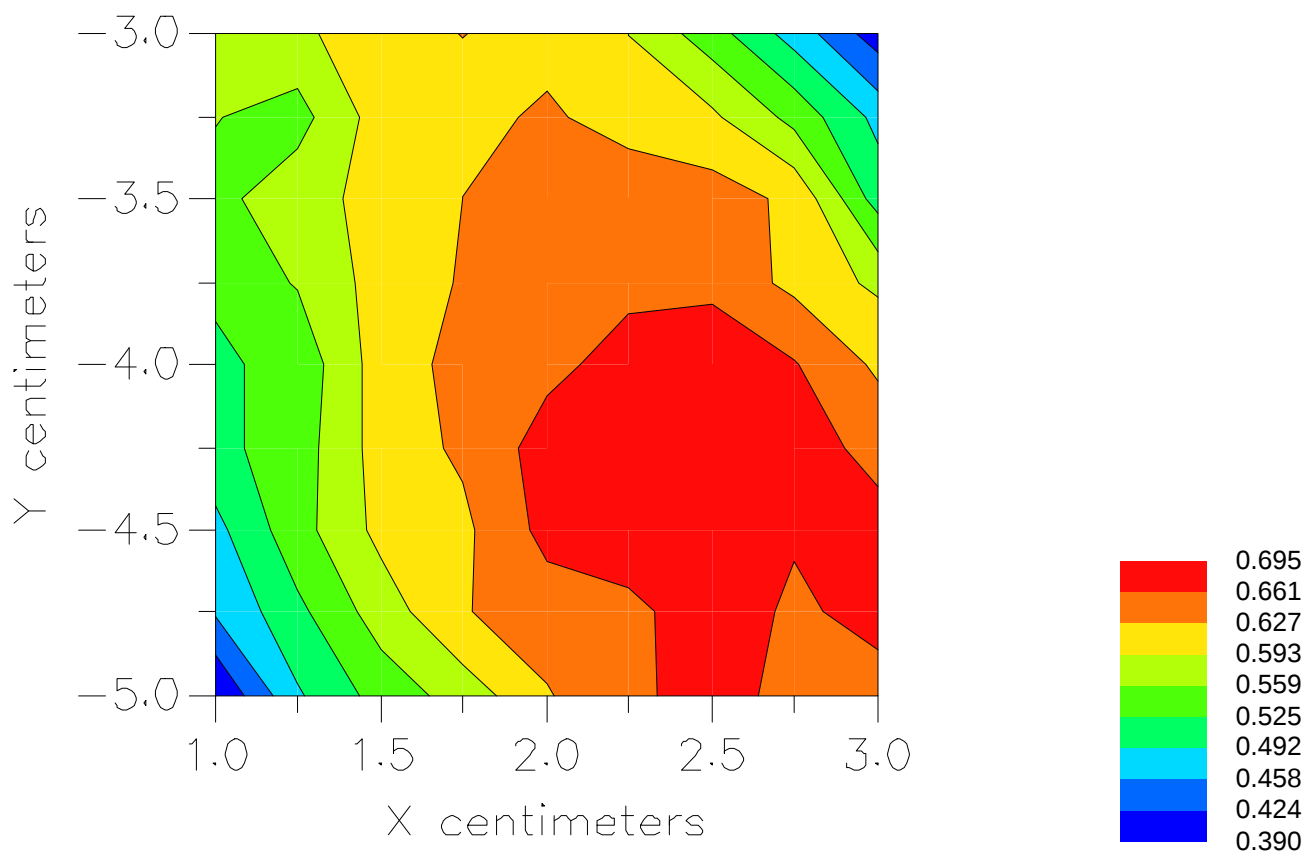


File : 01072320_ZOOM

Start : 23-Jul-101 03:14:14 pm End : 23-Jul-101 03:23:51 pm

HYUNDAI/TX-21B/10;848.31MHz;W;Helical/In;

Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/41.500/0.900



File : c:/idx3/SYSTEM/SARMEAS3/data/Normal/01072319_ZOOM.VLT
Start : 23-Jul-101 03:03:09 pm End : 23-Jul-101 03:12:46 pm

Radio Type : HYUNDAI
Model Number : TX-21B
Serial Number : 10
Frequency : 848.31 MHz
Peak Trans. Pwr : 0.280 W
Start Trans. Pwr : 0.280 W
Antenna Type : Helical
Antenna Posn. : Out
Phantom Type : Head
Phantom Posn. : Left Ear
Scan Type : ZOOM/SAR
Probe Name : PCTEST
Field Type : E Field
Orientation : 0 Degrees

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

Comment :
HYUNDAI TRI-MODE PHONE - CDMA MODE
CH 0777 24.5 dBm Conducted
HYUNDAI TRI-MODE PHONE

Robot : PCTEST

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

PCTEST Amplifier Channel Settings : 0.166 0.135 0.132

Max Location : X = 2.500, Y = -4.750, Z = 0.000 (cm) Value = 13.119

Measured Values (volts) =
1.255E-002 9.565E-003 7.981E-003 6.643E-003 5.731E-003 4.855E-003
4.313E-003 3.845E-003 3.509E-003 3.115E-003 2.749E-003 2.328E-003
1.879E-003 1.432E-003 1.050E-003 8.311E-004 7.735E-004 7.568E-004
8.445E-004 9.562E-004 1.046E-003

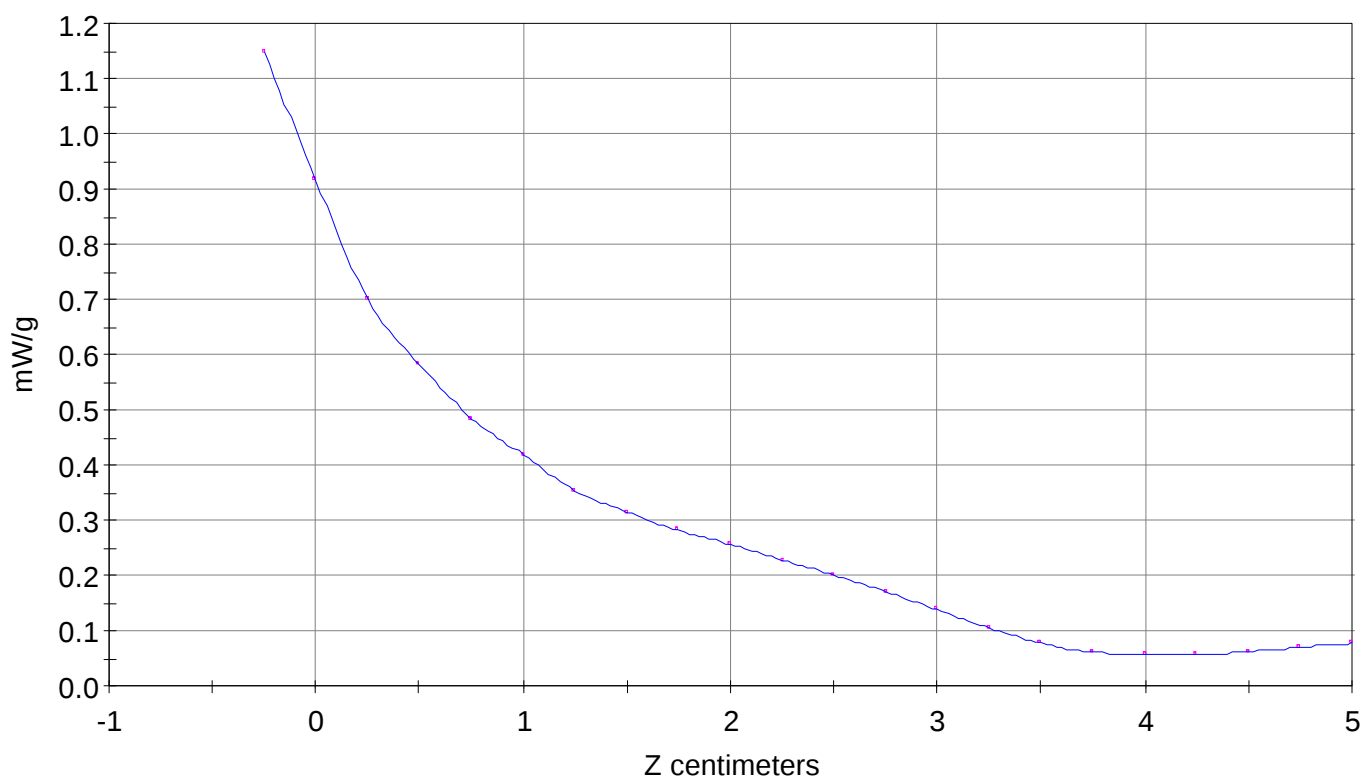
Calc. Voltage @ Surface (Vs) = 0.0158

Voltage @ 1.00 cm (Vt) = 0.0066

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

Ave. SAR over 1 g (mW/g) = 0.8169

SAR Scan
File : 01072319_ZOOM
Start : 23-Jul-101 03:03:09 pm End : 23-Jul-101 03:12:46 pm
HYUNDAI/TX-21B/10;848.31MHz;W;Helical/Out;
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/41.500/0.900

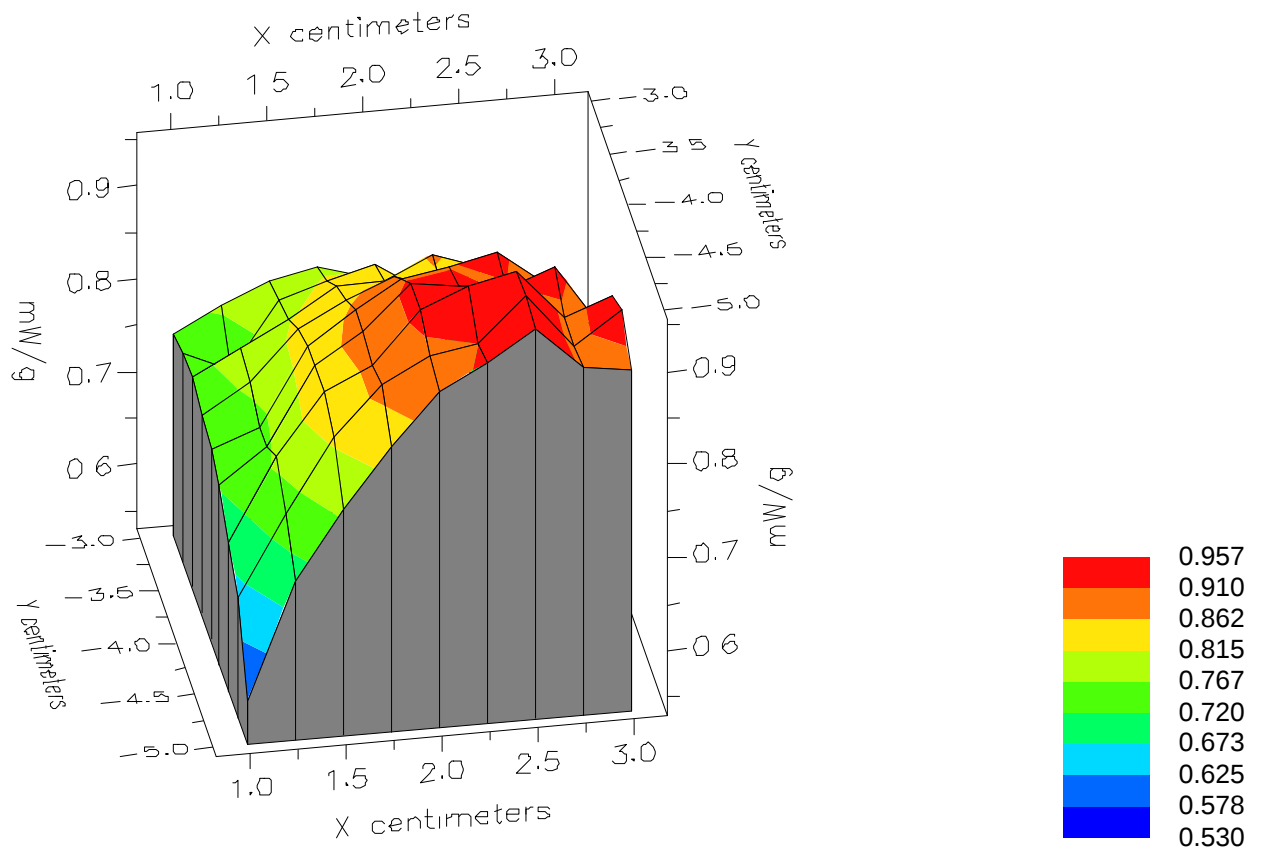


File : 01072319_ZOOM

Start : 23-Jul-101 03:03:09 pm End : 23-Jul-101 03:12:46 pm

HYUNDAI/TX-21B/10;848.31MHz;W;Helical/Out;

Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/41.500/0.900

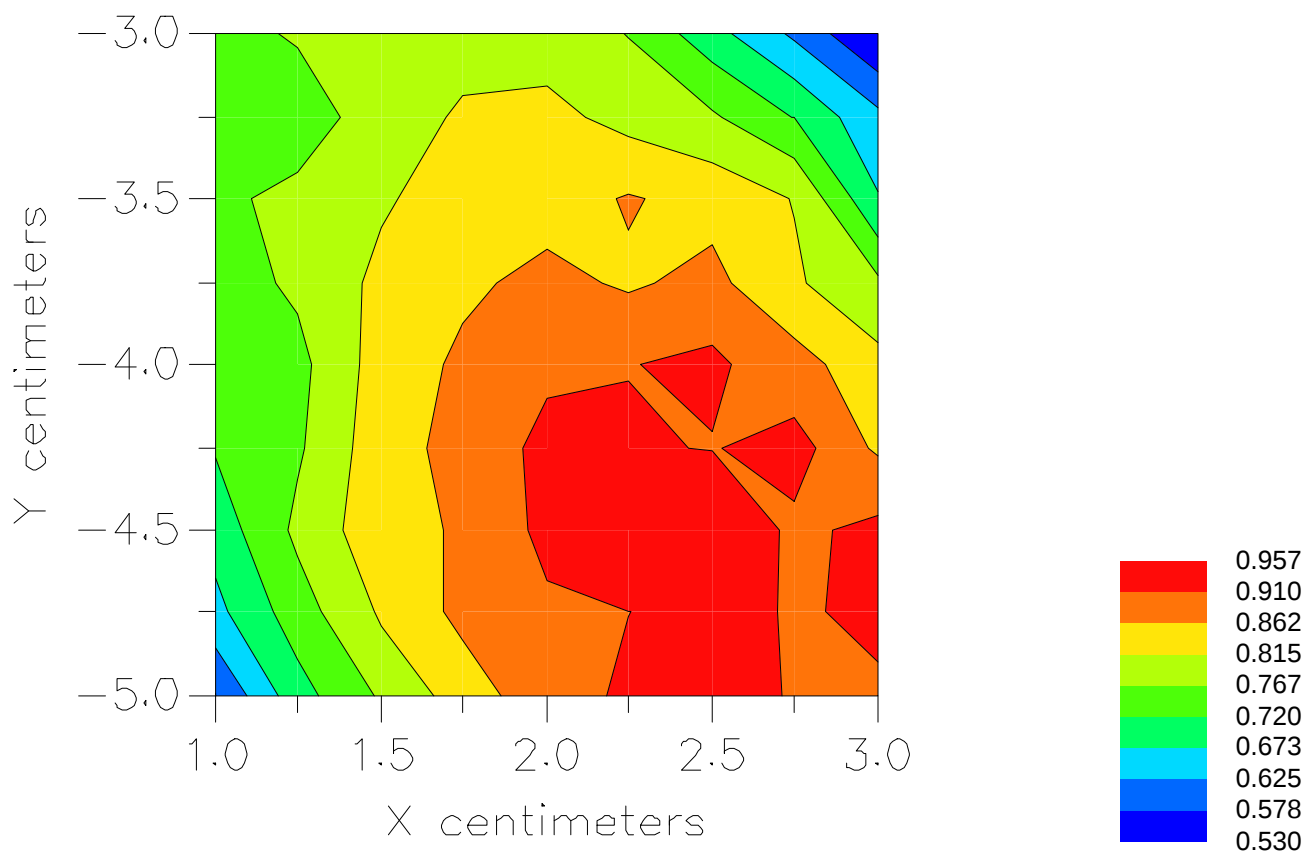


File : 01072319_ZOOM

Start : 23-Jul-101 03:03:09 pm End : 23-Jul-101 03:12:46 pm

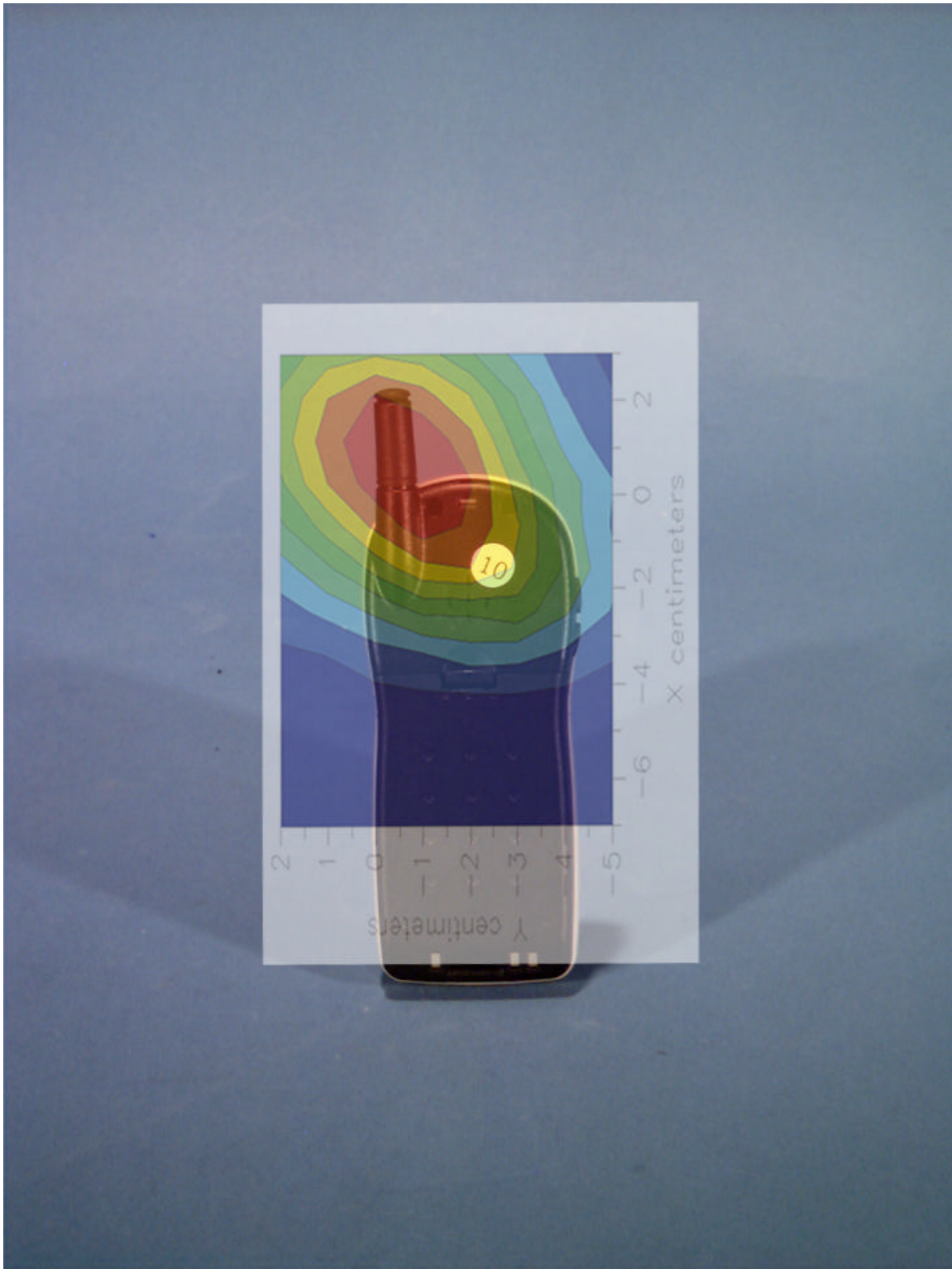
HYUNDAI/TX-21B/10;848.31MHz;W;Helical/Out;

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/01072412_ZOOM.VLT
Start : 24-Jul-101 12:20:38 pm End : 24-Jul-101 12:28:52 pm

Radio Type : HYUNDAI
Model Number : TX-21B
Serial Number : 10
Frequency : 824.04 MHz
Peak Trans. Pwr : 0.500 W
Start Trans. Pwr: 0.500 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 = 56.100
Mixture Conductivity = 0.950

Comment :
HYUNDAI TRI-MODE PHONE - AMPS MODE
CH 0991 27.0 dBm Conducted
HYUNDAI TRI-MODE PHONE - BODY SAR

Robot : PCTEST

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

PCTEST Amplifier Channel Settings : 0.166 0.135 0.132

Max Location : X = 0.250, Y = -1.250, Z = 0.000 (cm) Value = 11.334

Measured Values (volts) =
9.302E-003 7.200E-003 5.993E-003 5.191E-003 4.799E-003 4.507E-003
4.311E-003 4.141E-003 3.855E-003 3.299E-003 2.743E-003 1.892E-003
1.424E-003 1.062E-003 8.169E-004 9.258E-004 9.482E-004 1.483E-003
1.484E-003 1.990E-003 1.452E-003

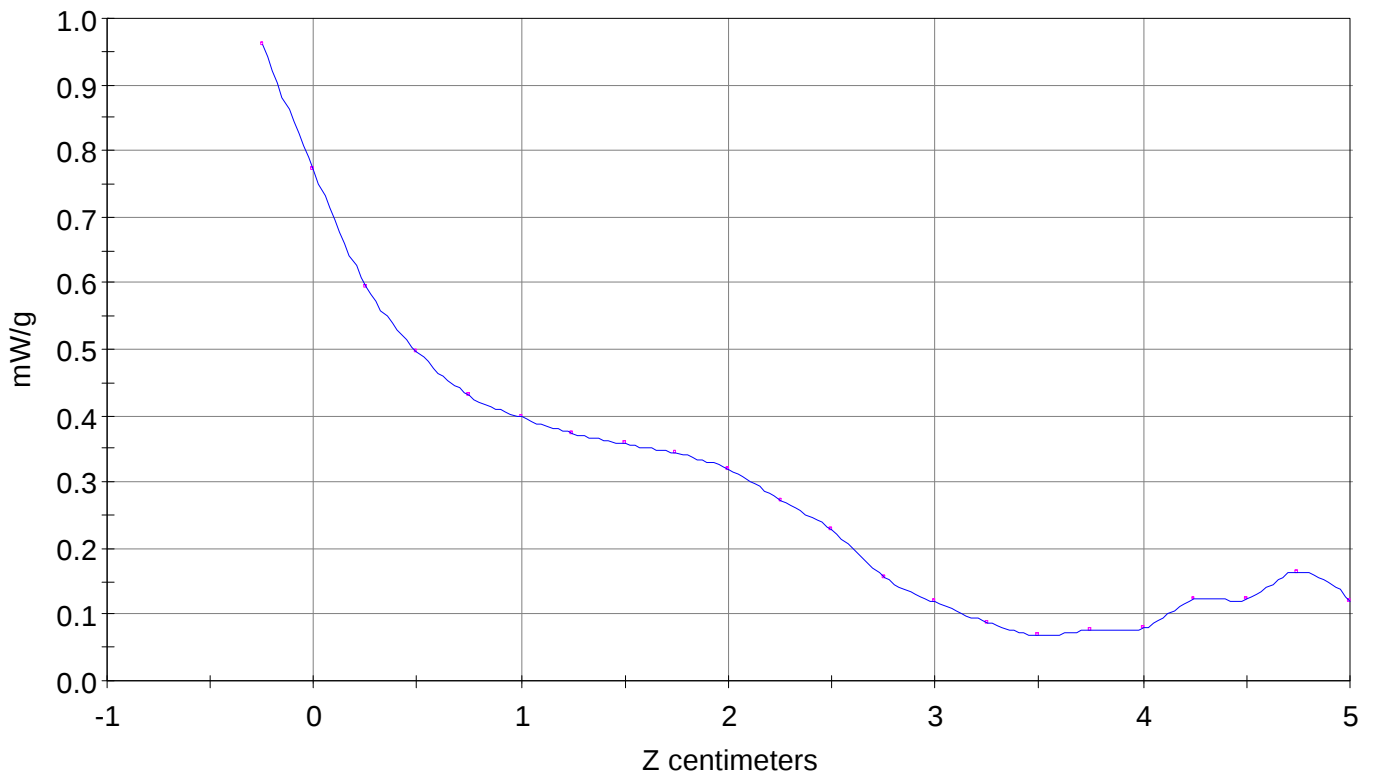
Calc. Voltage @ Surface (Vs) = 0.0116

Voltage @ 1.00 cm (Vt) = 0.0052

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

Ave. SAR over 1 g (mW/g) = 0.6949

SAR Scan
File : 01072412_ZOOM
Start : 24-Jul-101 12:20:38 pm End : 24-Jul-101 12:28:52 pm
HYUNDAI/TX-21B/10;824.04MHz;W;Helical/In;
Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 DegreesMuscle/56.100/0.950

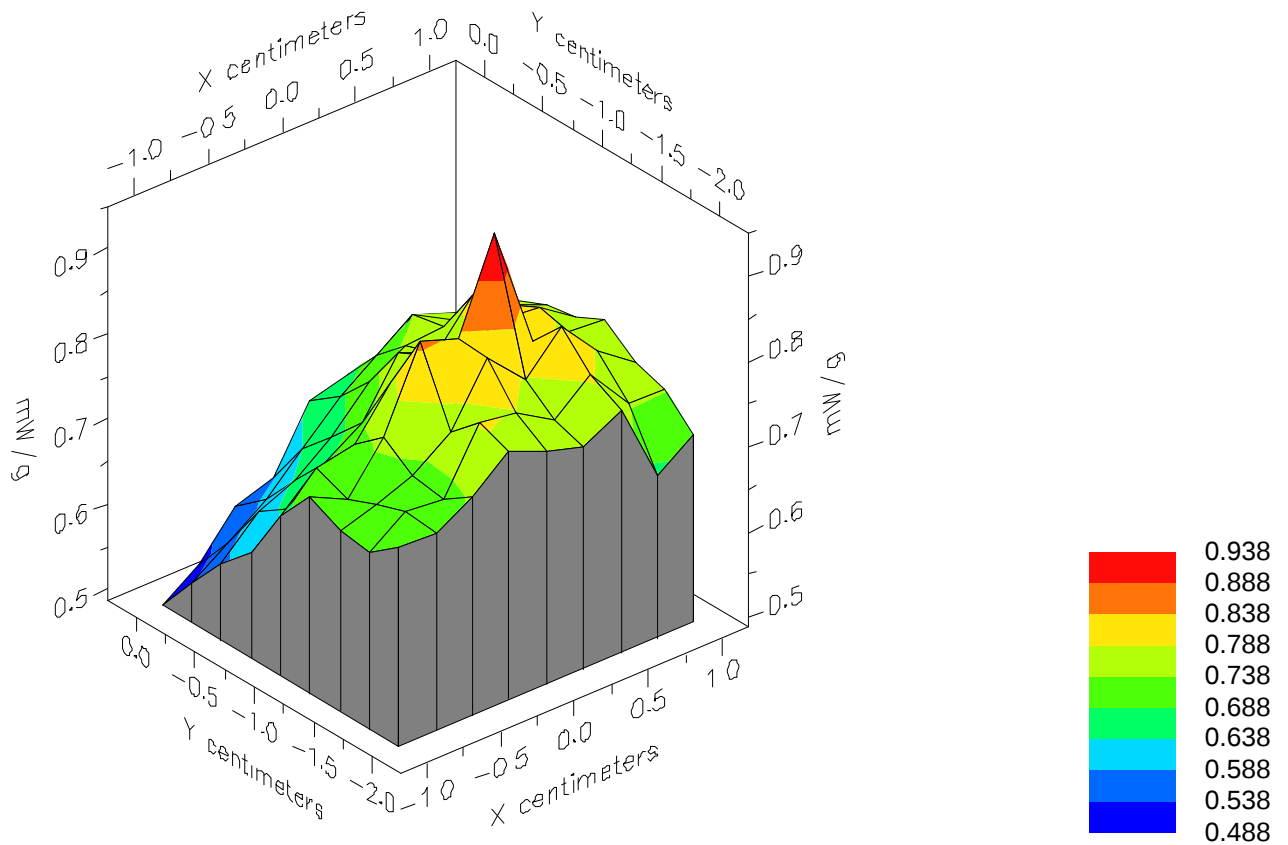


File : 01072412_ZOOM

Start : 24-Jul-101 12:20:38 pm End : 24-Jul-101 12:28:52 pm

HYUNDAI/TX-21B/10;824.04MHz;W;Helical/In;

Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 DegreesMuscle/56.100/0.950

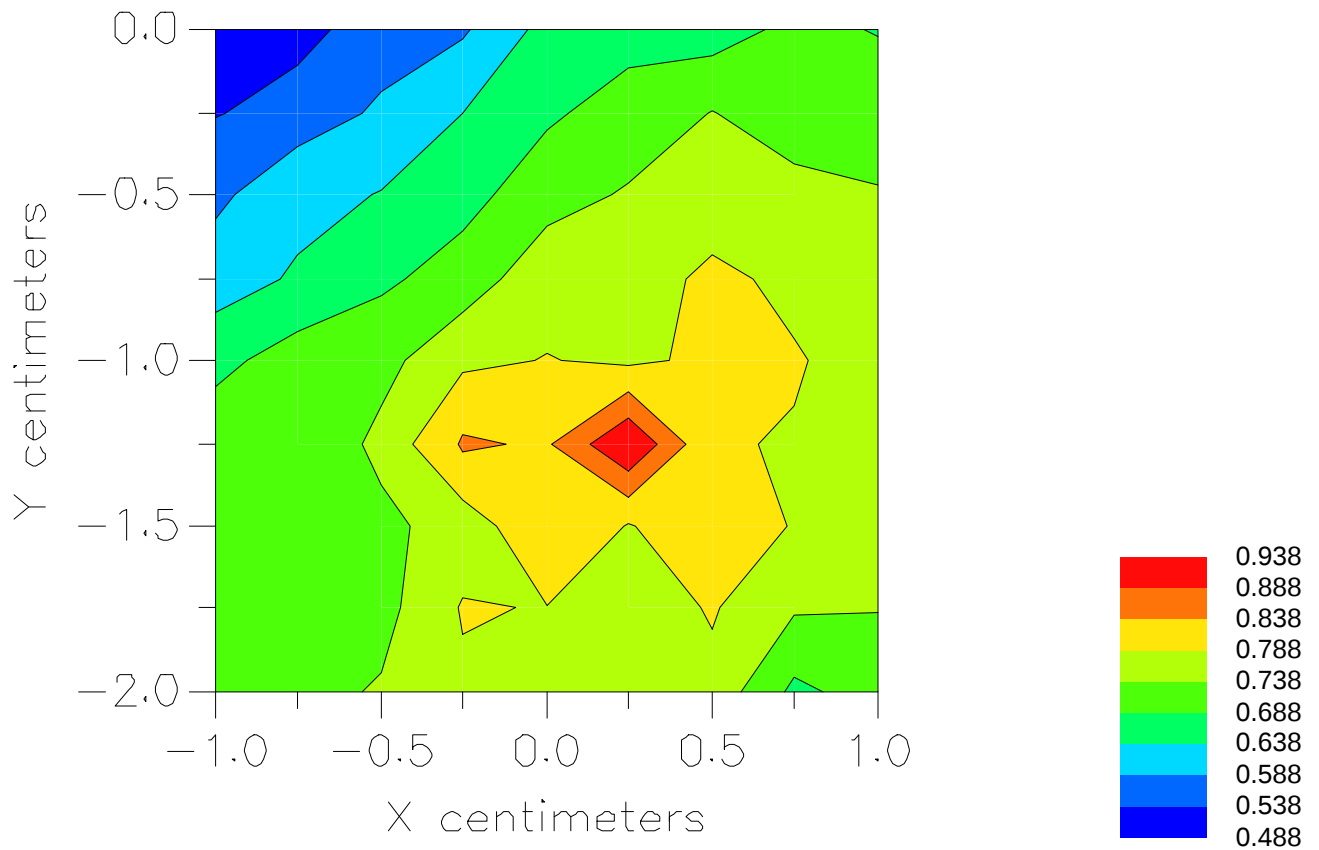


File : 01072412_ZOOM

Start : 24-Jul-101 12:20:38 pm End : 24-Jul-101 12:28:52 pm

HYUNDAI/TX-21B/10;824.04MHz;W;Helical/In;

Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 DegreesMuscle/56.100/0.950



File : c:/idx3/SYSTEM/SARMEAS3/data/Normal/01072413_ZOOM.VLT
Start : 24-Jul-101 12:30:41 pm End : 24-Jul-101 12:38:53 pm

Radio Type : HYUNDAI
Model Number : TX-21B
Serial Number : 10
Frequency : 824.04 MHz
Peak Trans. Pwr : 0.500 W
Start Trans. Pwr: 0.500 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 = 56.100
Mixture Conductivity = 0.950

Comment :
HYUNDAI TRI-MODE PHONE - AMPS MODE
CH 0991 27.0 dBm Conducted
HYUNDAI TRI-MODE PHONE - BODY SAR

Robot : PCTEST

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

PCTEST Amplifier Channel Settings : 0.166 0.135 0.132

Max Location : X = -0.500, Y = -1.500, Z = 0.000 (cm) Value = 5.995

Measured Values (volts) =
4.049E-003 3.815E-003 3.046E-003 2.590E-003 2.912E-003 3.007E-003
2.899E-003 2.579E-003 2.266E-003 2.125E-003 1.734E-003 1.193E-003
9.596E-004 8.076E-004 9.324E-004 1.038E-003 1.052E-003 1.528E-003
1.505E-003 1.335E-003 1.136E-003

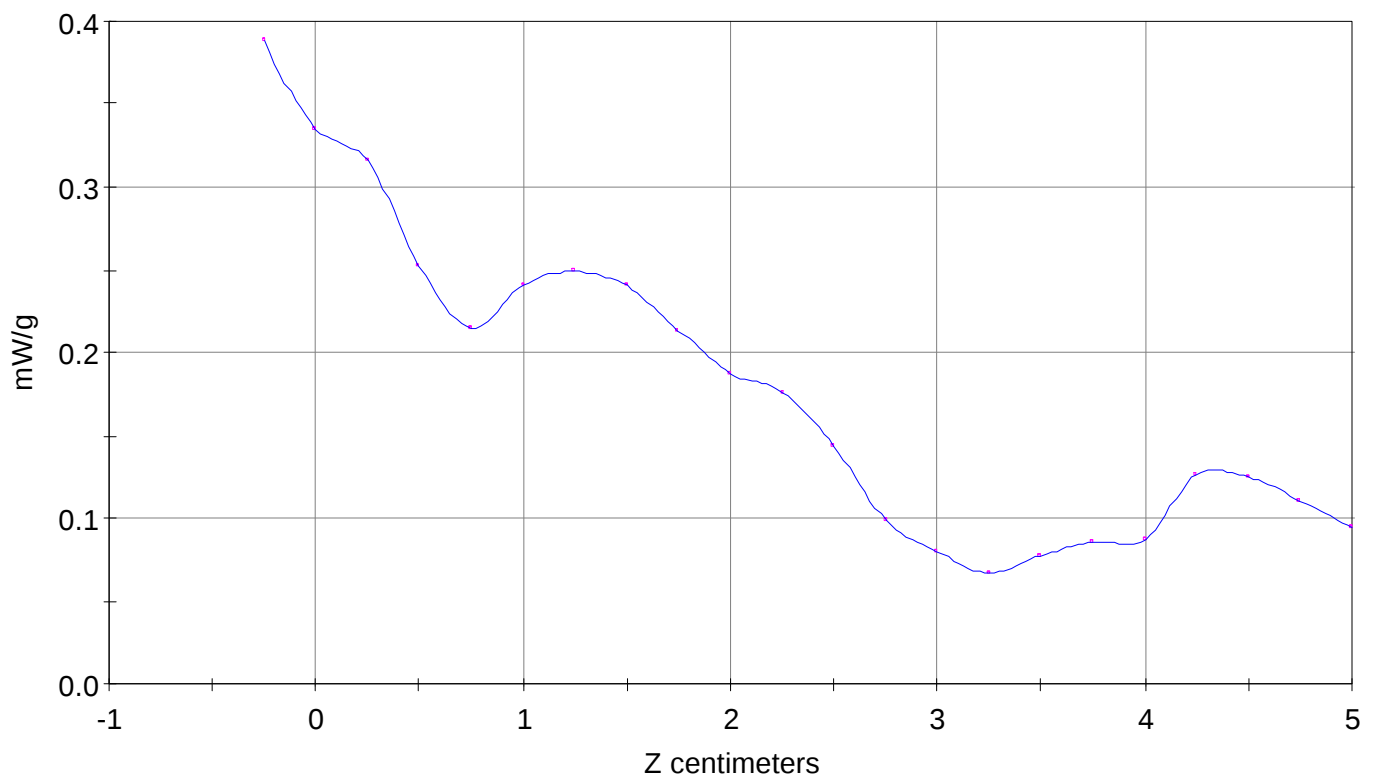
Calc. Voltage @ Surface (Vs) = 0.0047

Voltage @ 1.00 cm (Vt) = 0.0026

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

Ave. SAR over 1 g (mW/g) = 0.3011

SAR Scan
File : 01072413_ZOOM
Start : 24-Jul-101 12:30:41 pm End : 24-Jul-101 12:38:53 pm
HYUNDAI/TX-21B/10;824.04MHz;W;Helical/Out;
Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 DegreesMuscle/56.100/0.950

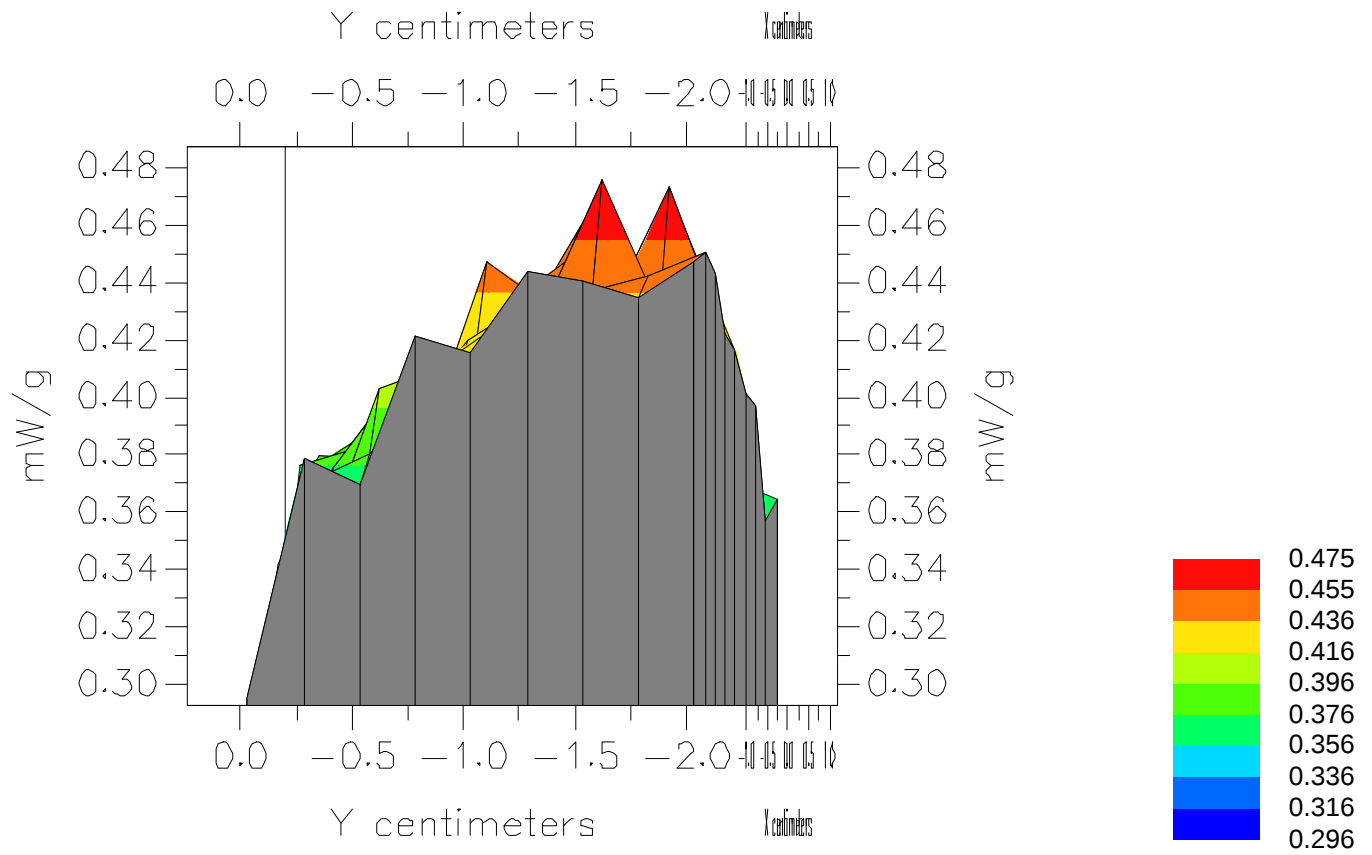


File : 01072413_ZOOM

Start : 24-Jul-101 12:30:41 pm End : 24-Jul-101 12:38:53 pm

HYUNDAI/TX-21B/10;824.04MHz;W;Helical/Out;

Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 DegreesMuscle/56.100/0.950

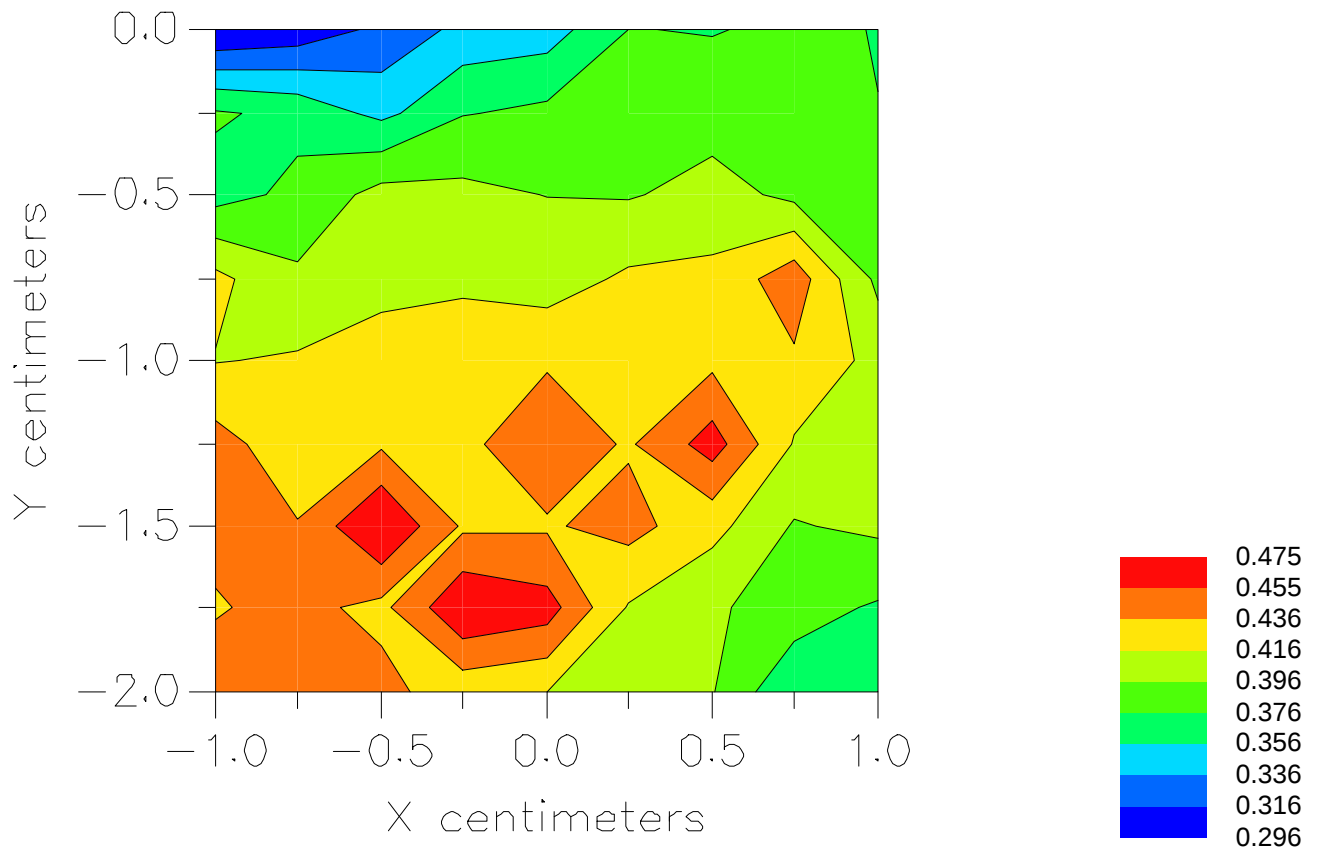


File : 01072413_ZOOM

Start : 24-Jul-101 12:30:41 pm End : 24-Jul-101 12:38:53 pm

HYUNDAI/TX-21B/10;824.04MHz;W;Helical/Out;

Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 DegreesMuscle/56.100/0.950



File : c:/idx3/SYSTEM/SARMEAS3/data/Normal/01072410_ZOOM.VLT
Start : 24-Jul-101 11:59:26 am End : 24-Jul-101 12:07:40 pm

Radio Type : HYUNDAI
Model Number : TX-21B
Serial Number : 10
Frequency : 836.49 MHz
Peak Trans. Pwr : 0.500 W
Start Trans. Pwr: 0.500 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 = 56.100
Mixture Conductivity = 0.950

Comment :
HYUNDAI TRI-MODE PHONE - AMPS MODE
CH 0383 27.0 dBm Conducted
HYUNDAI TRI-MODE PHONE - BODY SAR

Robot : PCTEST

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

PCTEST Amplifier Channel Settings : 0.166 0.135 0.132

Max Location : X = 0.250, Y = -1.750, Z = 0.000 (cm) Value = 14.338

Measured Values (volts) =
1.242E-002 1.019E-002 8.195E-003 7.012E-003 6.332E-003 5.868E-003
5.654E-003 5.357E-003 4.944E-003 4.314E-003 3.531E-003 2.702E-003
1.756E-003 1.191E-003 8.277E-004 8.157E-004 1.253E-003 1.528E-003
1.848E-003 1.931E-003 1.580E-003

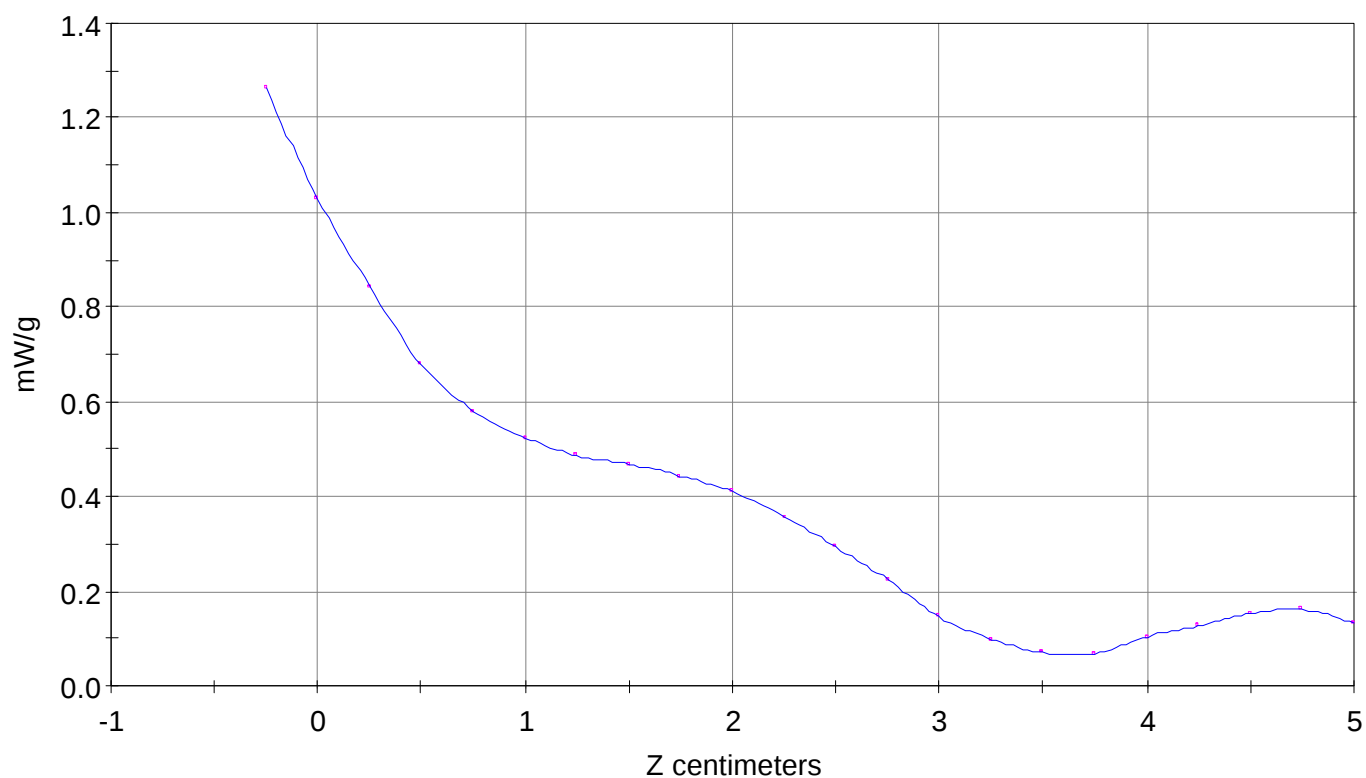
Calc. Voltage @ Surface (Vs) = 0.0153

Voltage @ 1.00 cm (Vt) = 0.0070

Ave. Voltage (Vs+Vt)/2 = 0.0111

Ave. SAR over 1 g (mW/g) = 0.9229

SAR Scan
File : 01072410_ZOOM
Start : 24-Jul-101 11:59:26 am End : 24-Jul-101 12:07:40 pm
HYUNDAI/TX-21B/10;836.49MHz;W;Helical/In;
Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 DegreesMuscle/56.100/0.950

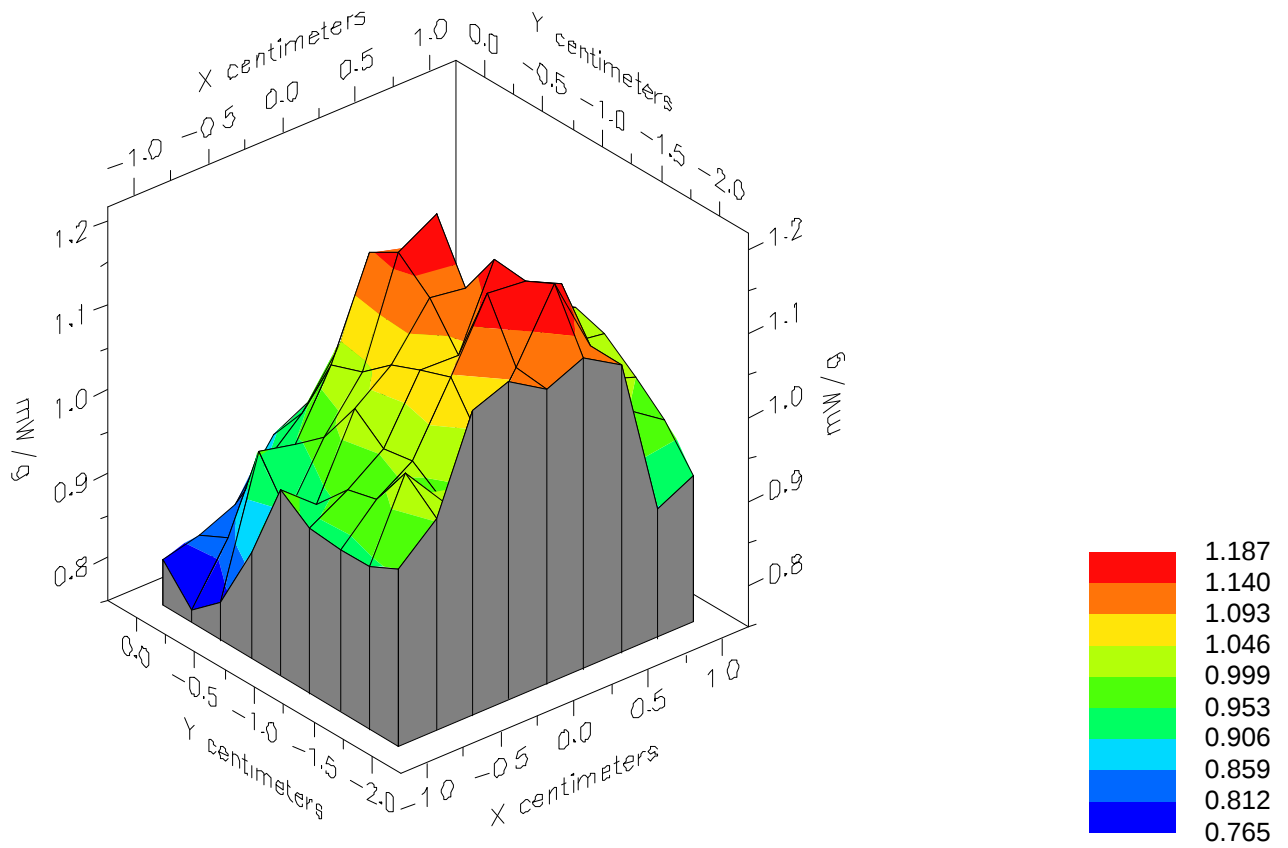


File : 01072410_ZOOM

Start : 24-Jul-101 11:59:26 am End : 24-Jul-101 12:07:40 pm

HYUNDAI/TX-21B/10;836.49MHz;W;Helical/In;

Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 DegreesMuscle/56.100/0.950

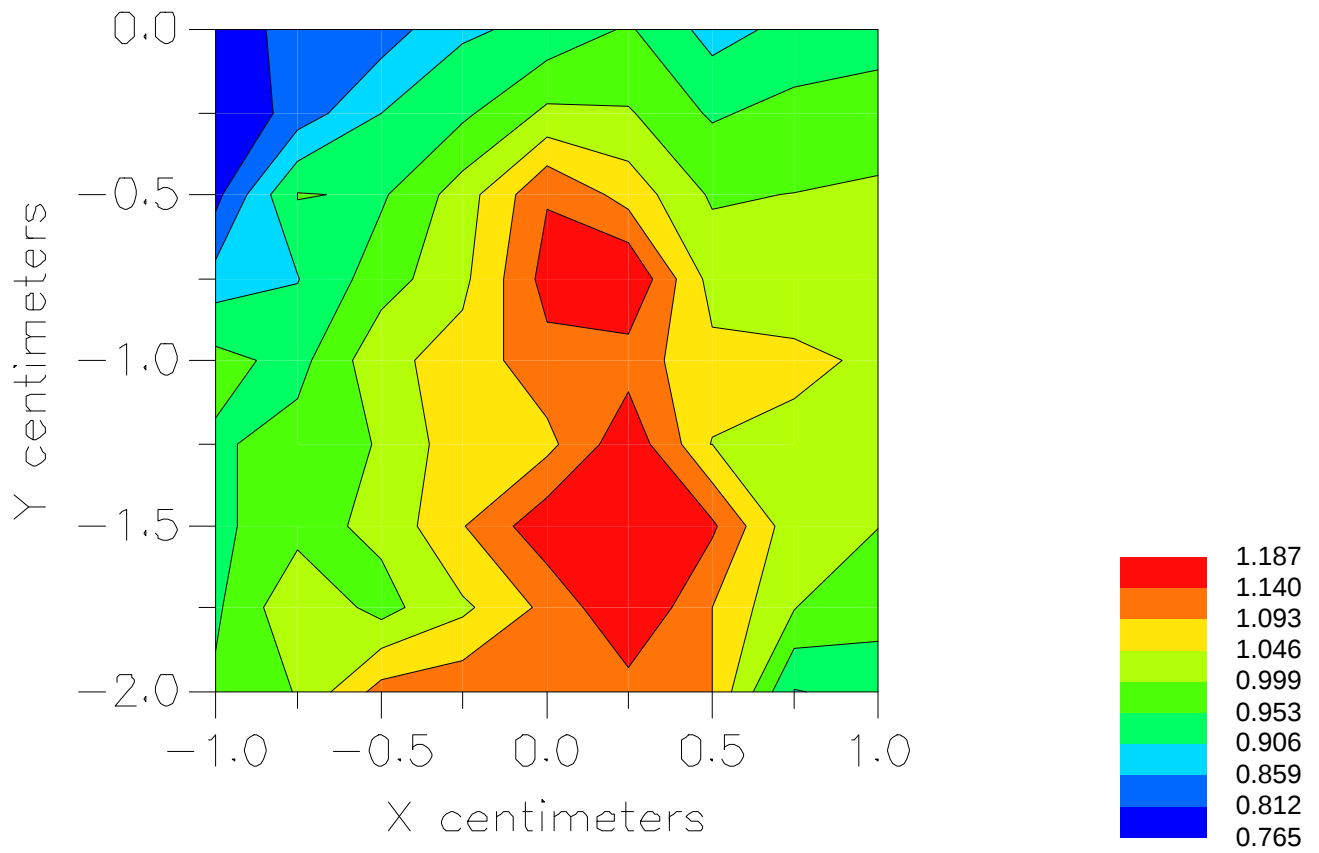


File : 01072410_ZOOM

Start : 24-Jul-101 11:59:26 am End : 24-Jul-101 12:07:40 pm

HYUNDAI/TX-21B/10;836.49MHz;W;Helical/In;

Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 DegreesMuscle/56.100/0.950



File : c:/idx3/SYSTEM/SARMEAS3/data/Normal/01072411_ZOOM.VLT
Start : 24-Jul-101 12:09:40 pm End : 24-Jul-101 12:17:53 pm

Radio Type : HYUNDAI
Model Number : TX-21B
Serial Number : 10
Frequency : 836.49 MHz
Peak Trans. Pwr : 0.500 W
Start Trans. Pwr: 0.500 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 = 56.100
Mixture Conductivity = 0.950

Comment :
HYUNDAI TRI-MODE PHONE - AMPS MODE
CH 0383 27.0 dBm Conducted
HYUNDAI TRI-MODE PHONE - BODY SAR

Robot : PCTEST

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

PCTEST Amplifier Channel Settings : 0.166 0.135 0.132

Max Location : X = -0.750, Y = -1.250, Z = 0.000 (cm) Value = 5.222

Measured Values (volts) =
4.806E-003 3.837E-003 3.239E-003 2.963E-003 2.835E-003 2.686E-003
2.577E-003 2.428E-003 2.331E-003 1.684E-003 1.252E-003 9.124E-004
6.465E-004 3.897E-004 6.539E-004 8.647E-004 1.113E-003 1.164E-003
1.117E-003 1.034E-003 6.974E-004

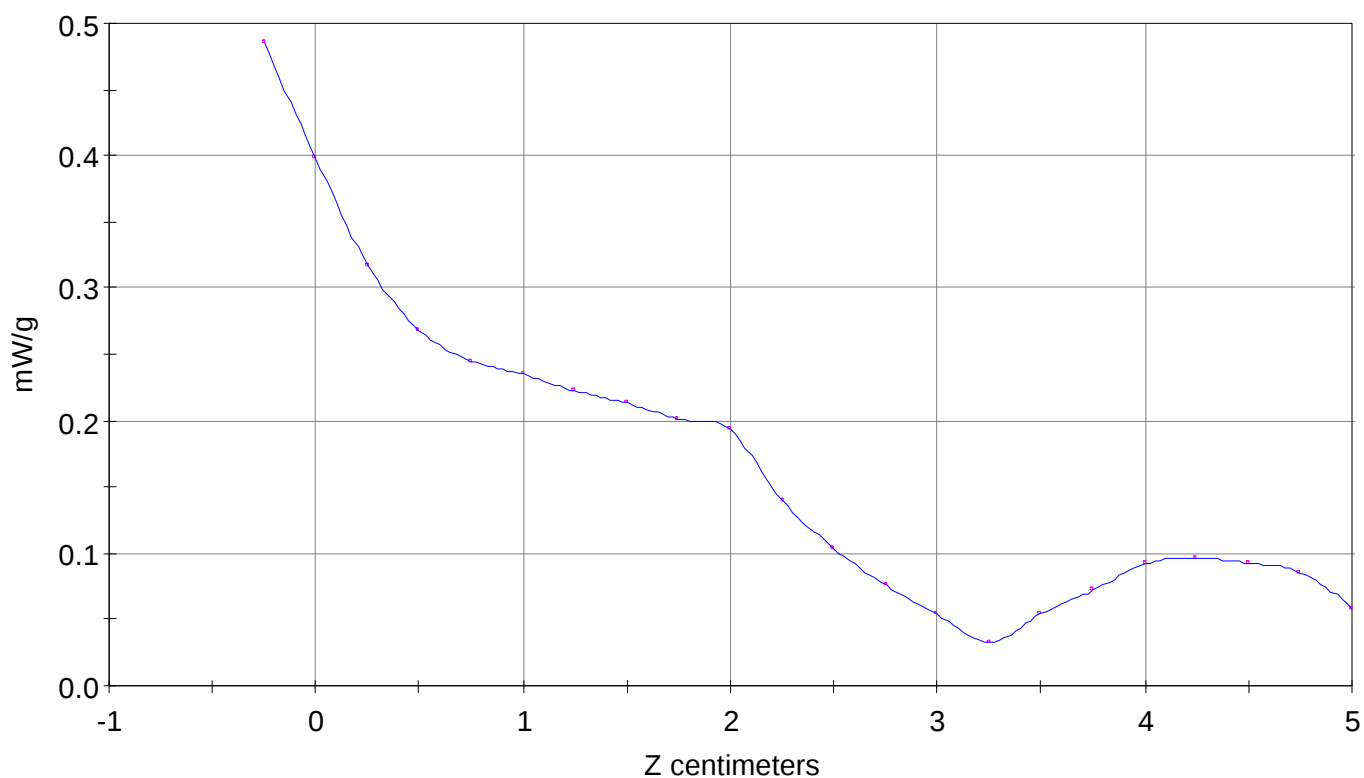
Calc. Voltage @ Surface (Vs) = 0.0059

Voltage @ 1.00 cm (Vt) = 0.0030

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

Ave. SAR over 1 g (mW/g) = 0.3650

SAR Scan
File : 01072411_ZOOM
Start : 24-Jul-101 12:09:40 pm End : 24-Jul-101 12:17:53 pm
HYUNDAI/TX-21B/10;836.49MHz;W;Helical/Out;
Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 DegreesMuscle/56.100/0.950

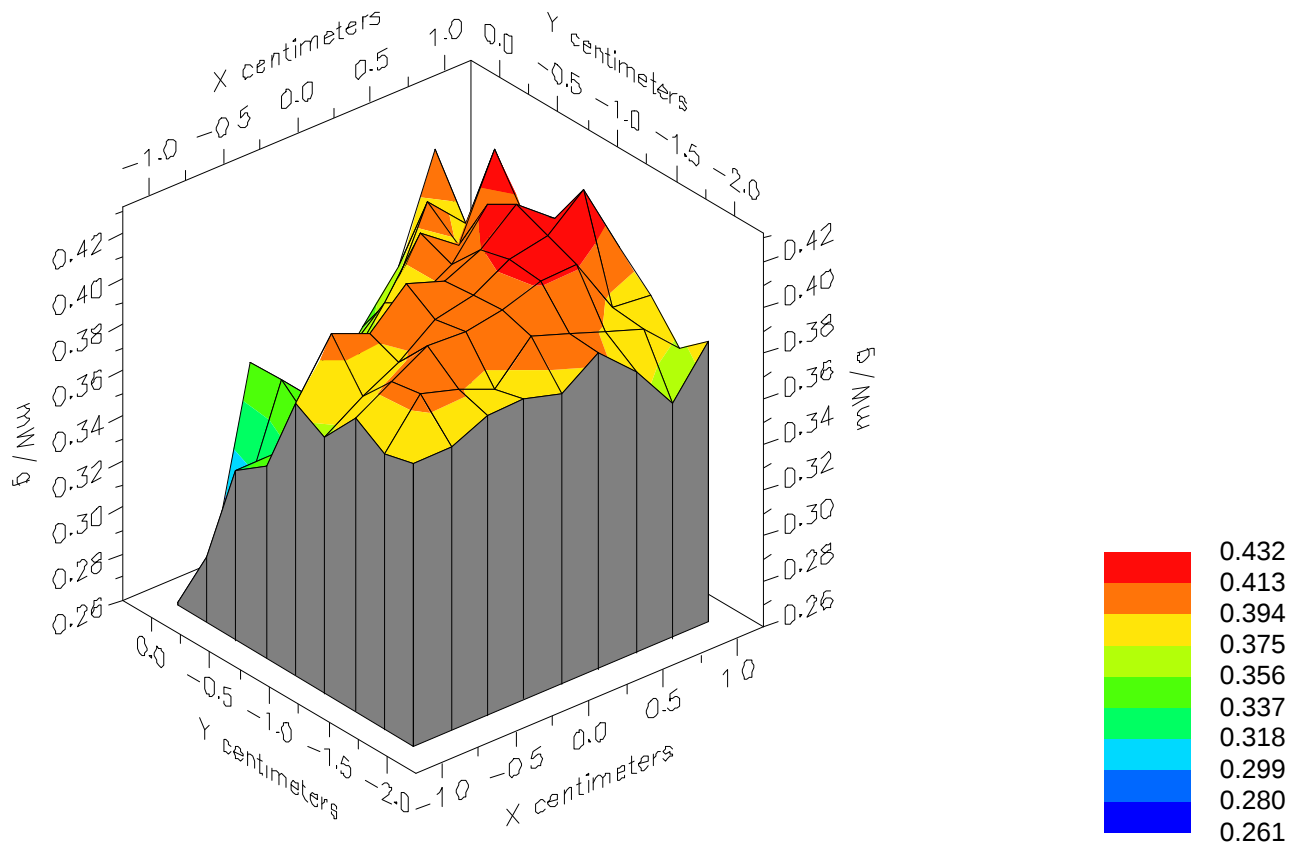


File : 01072411_ZOOM

Start : 24-Jul-101 12:09:40 pm End : 24-Jul-101 12:17:53 pm

HYUNDAI/TX-21B/10;836.49MHz;W;Helical/Out;

Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 DegreesMuscle/56.100/0.950

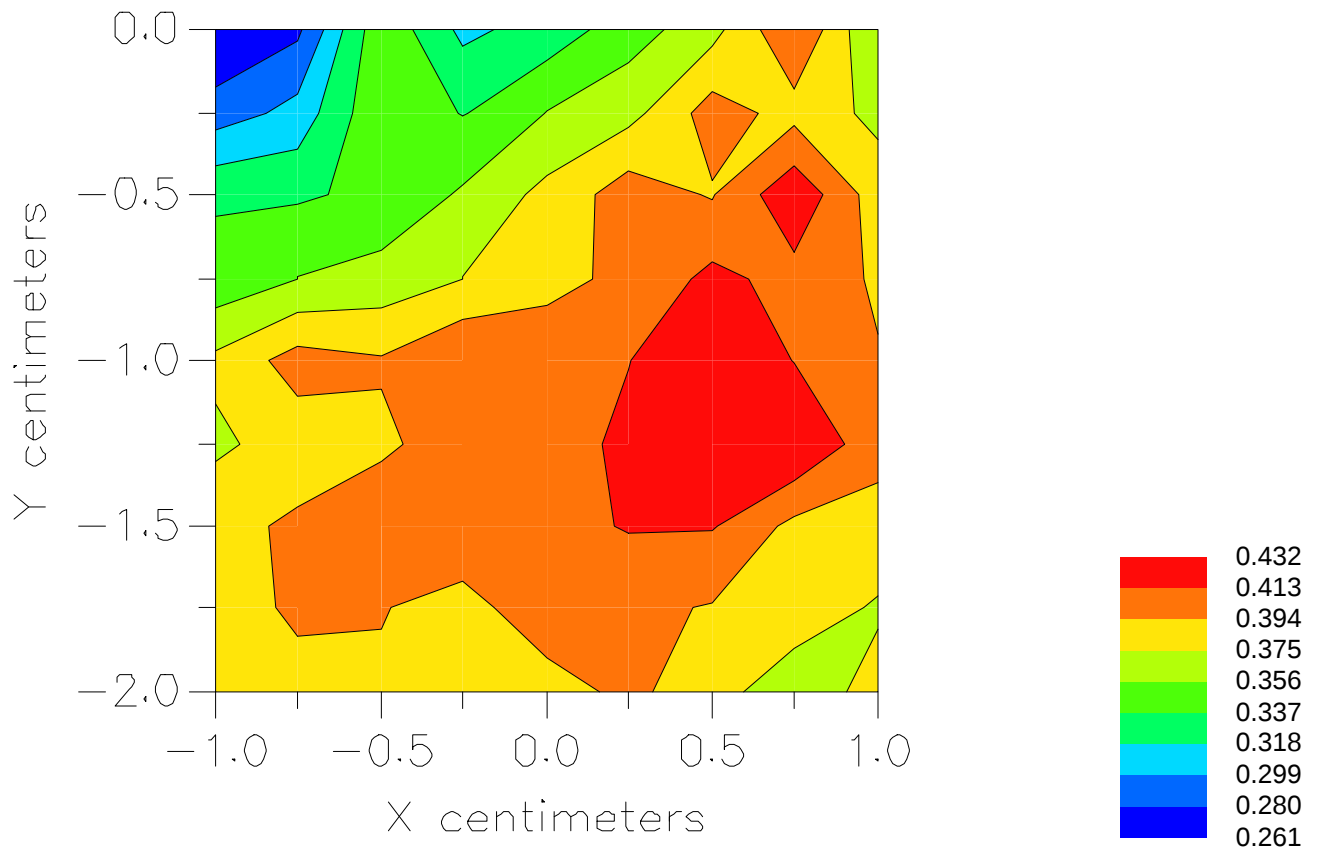


File : 01072411_ZOOM

Start : 24-Jul-101 12:09:40 pm End : 24-Jul-101 12:17:53 pm

HYUNDAI/TX-21B/10;836.49MHz;W;Helical/Out;

Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 DegreesMuscle/56.100/0.950



File : c:/idx3/SYSTEM/SARMEAS3/data/Normal/01072409_ZOOM.VLT
Start : 24-Jul-101 11:48:15 am End : 24-Jul-101 11:56:28 am

Radio Type : HYUNDAI
Model Number : TX-21B
Serial Number : 10
Frequency : 848.97 MHz
Peak Trans. Pwr : 0.500 W
Start Trans. Pwr: 0.500 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 = 56.100
Mixture Conductivity = 0.950

Comment :
HYUNDAI TRI-MODE PHONE - AMPS MODE
CH 0799 27.0 dBm Conducted
HYUNDAI TRI-MODE PHONE - BODY SAR

Robot : PCTEST

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

PCTEST Amplifier Channel Settings : 0.166 0.135 0.132

Max Location : X = 0.500, Y = -1.500, Z = 0.000 (cm) Value = 17.375

Measured Values (volts) =
1.597E-002 1.304E-002 1.080E-002 9.150E-003 8.289E-003 8.084E-003
7.666E-003 7.348E-003 7.561E-003 6.367E-003 5.425E-003 4.560E-003
3.466E-003 2.699E-003 2.285E-003 2.232E-003 2.587E-003 2.941E-003
3.456E-003 3.615E-003 3.129E-003

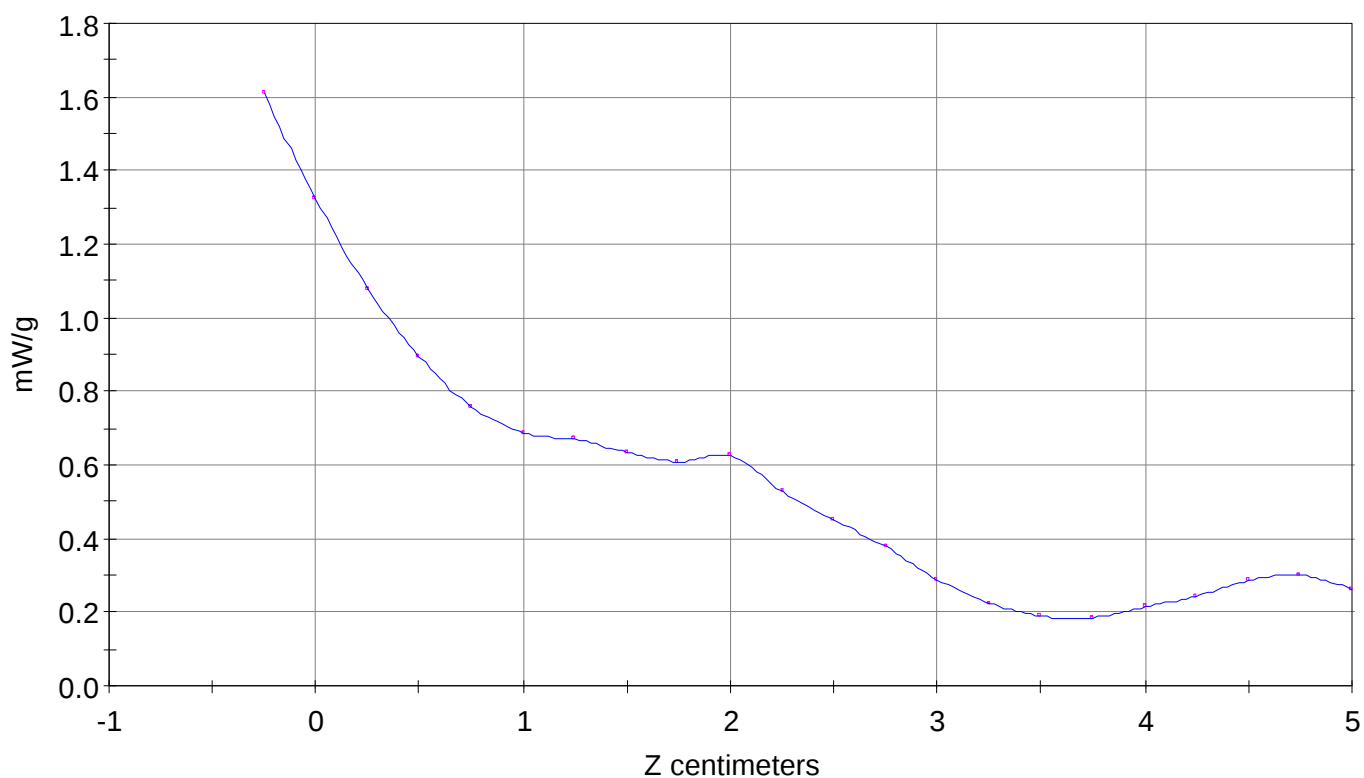
Calc. Voltage @ Surface (Vs) = 0.0194

Voltage @ 1.00 cm (Vt) = 0.0092

Ave. Voltage (Vs+Vt)/2 = 0.0143

Ave. SAR over 1 g (mW/g) = 1.1826

SAR Scan
File : 01072409_ZOOM
Start : 24-Jul-101 11:48:15 am End : 24-Jul-101 11:56:28 am
HYUNDAI/TX-21B/10;848.97MHz;W;Helical/In;
Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 DegreesMuscle/56.100/0.950

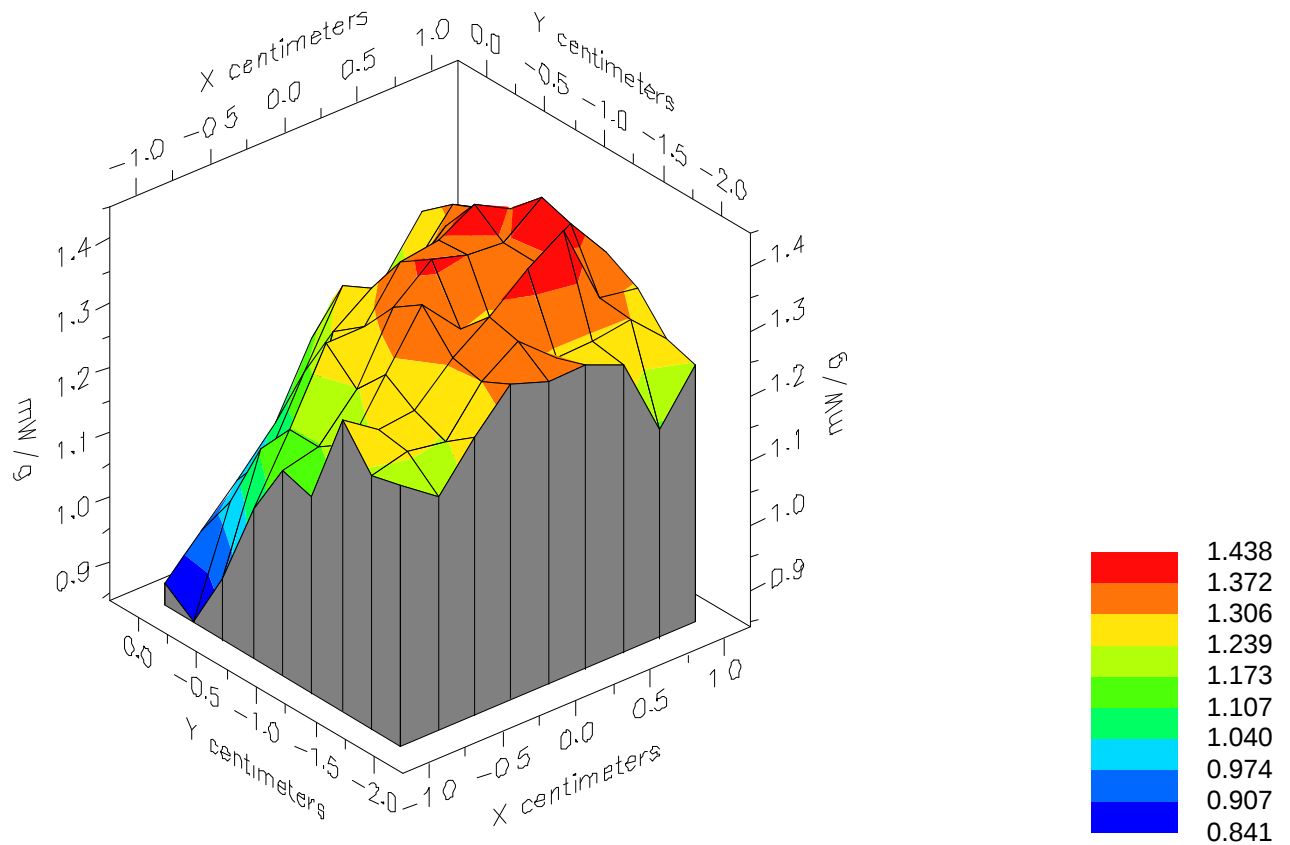


File : 01072409_ZOOM

Start : 24-Jul-101 11:48:15 am End : 24-Jul-101 11:56:28 am

HYUNDAI/TX-21B/10;848.97MHz;W;Helical/In;

Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 DegreesMuscle/56.100/0.950

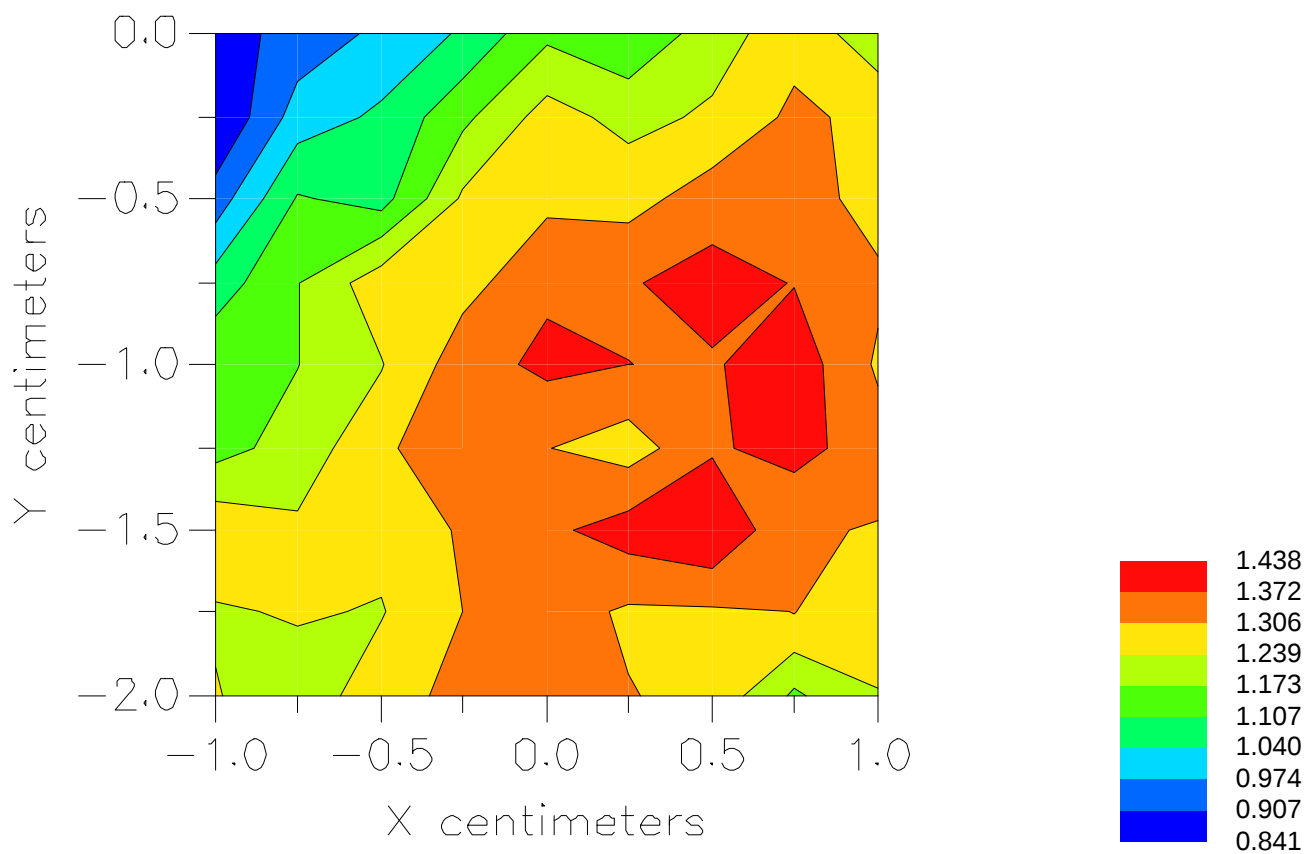


File : 01072409_ZOOM

Start : 24-Jul-101 11:48:15 am End : 24-Jul-101 11:56:28 am

HYUNDAI/TX-21B/10;848.97MHz;W;Helical/In;

Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 DegreesMuscle/56.100/0.950



File : c:/idx3/SYSTEM/SARMEAS3/data/Normal/01072401_ZOOM.VLT
Start : 24-Jul-101 09:57:15 am End : 24-Jul-101 10:09:52 am

Radio Type : HYUNDAI
Model Number : TX-21B
Serial Number : 10
Frequency : 848.97 MHz
Peak Trans. Pwr : 0.500 W
Start Trans. Pwr: 0.500 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 = 56.100
Mixture Conductivity = 0.950

Comment :
HYUNDAI TRI-MODE PHONE - AMPS MODE
CH 0799 27.0 dBm Conducted
HYUNDAI TRI-MODE PHONE - BODY SAR

Robot : PCTEST

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

PCTEST Amplifier Channel Settings : 0.166 0.135 0.132

Max Location : X = -0.500, Y = -1.000, Z = 0.000 (cm) Value = 8.0776

Measured Values (volts) =
7.428E-003 5.906E-003 4.964E-003 4.248E-003 3.861E-003 3.630E-003
3.535E-003 3.333E-003 3.029E-003 2.601E-003 2.089E-003 1.514E-003
9.812E-004 6.278E-004 5.127E-004 6.103E-004 8.572E-004 1.141E-003
1.329E-003 1.215E-003 7.920E-004

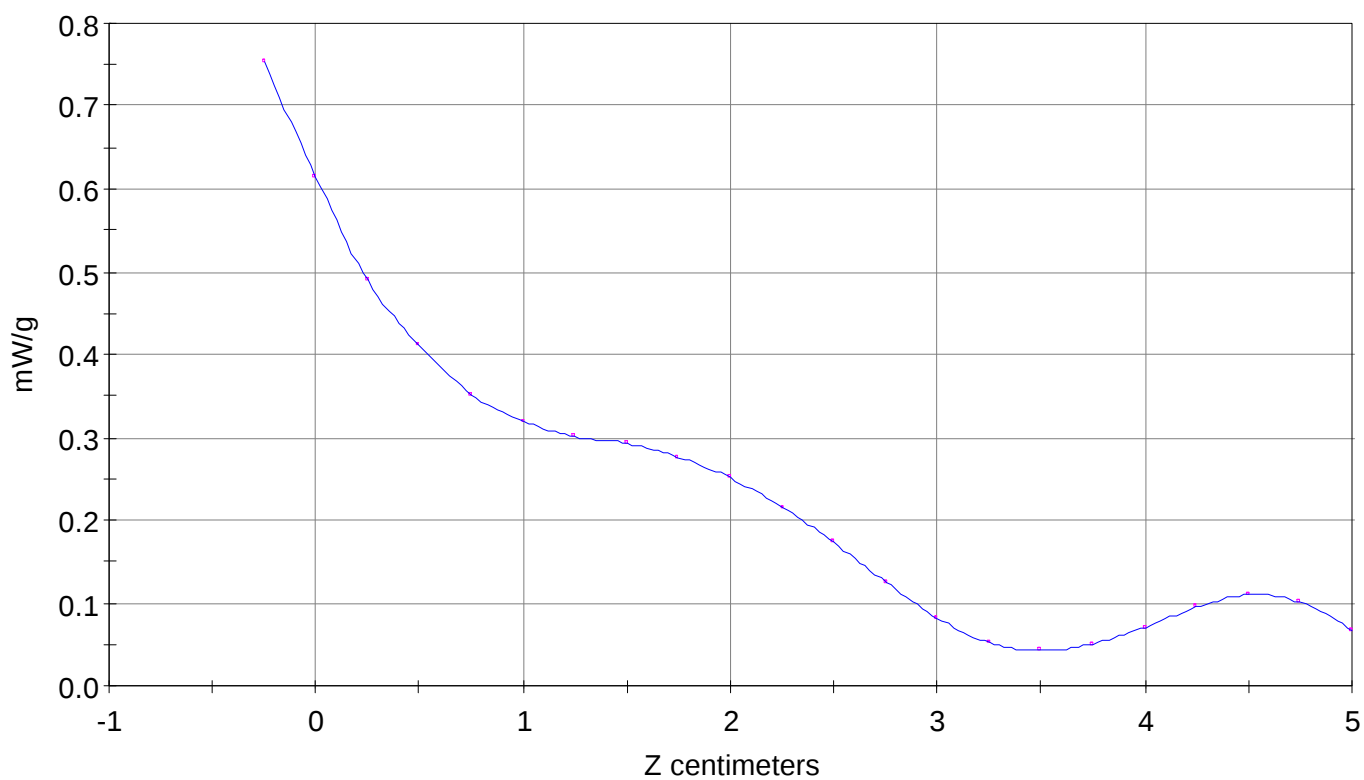
Calc. Voltage @ Surface (Vs) = 0.0091

Voltage @ 1.00 cm (Vt) = 0.0042

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

Ave. SAR over 1 g (mW/g) = 0.5521

SAR Scan
File : 01072401_ZOOM
Start : 24-Jul-101 09:57:15 am End : 24-Jul-101 10:09:52 am
HYUNDAI/TX-21B/10;848.97MHz;W;Helical/Out;
Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 DegreesMuscle/56.100/0.950

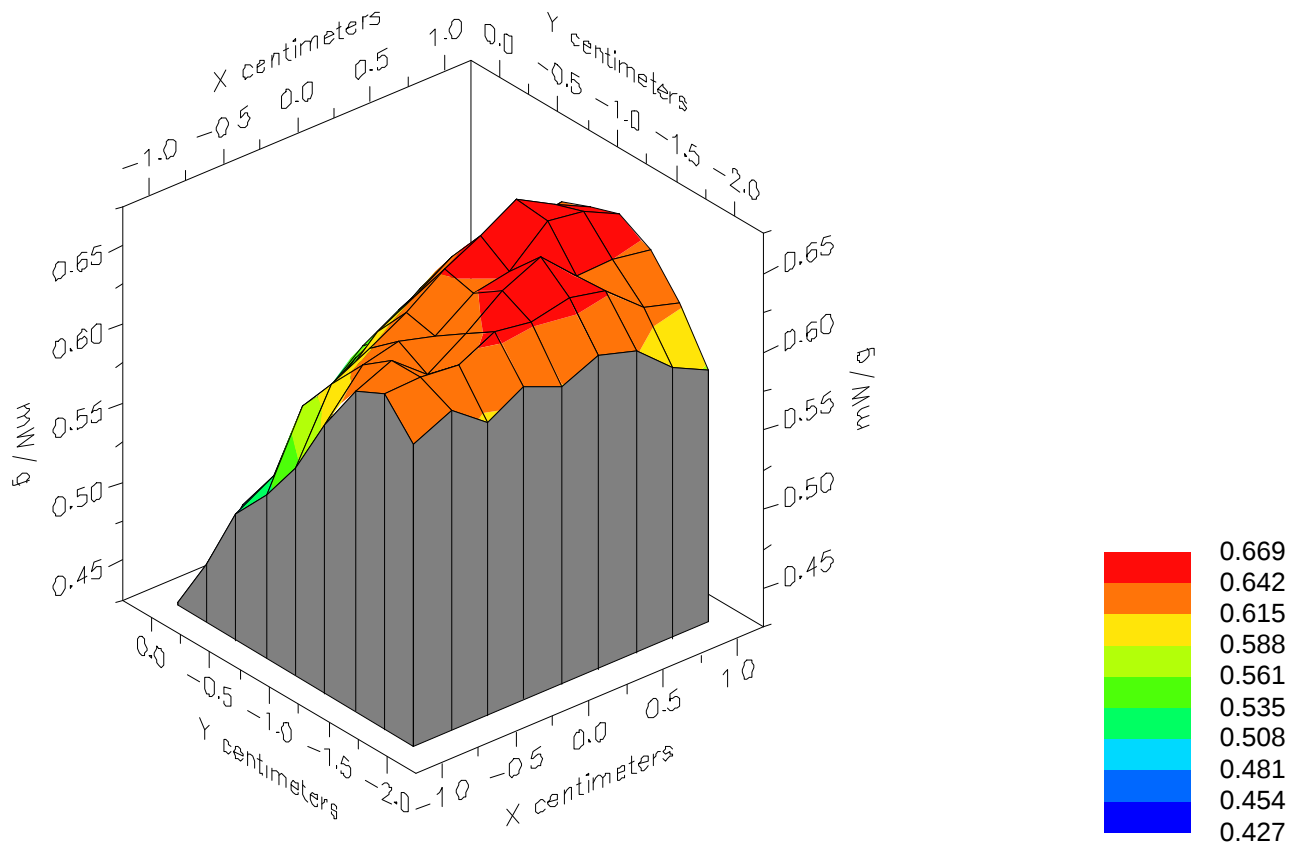


File : 01072401_ZOOM

Start : 24-Jul-101 09:57:15 am End : 24-Jul-101 10:09:52 am

HYUNDAI/TX-21B/10;848.97MHz;W;Helical/Out;

Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 DegreesMuscle/56.100/0.950

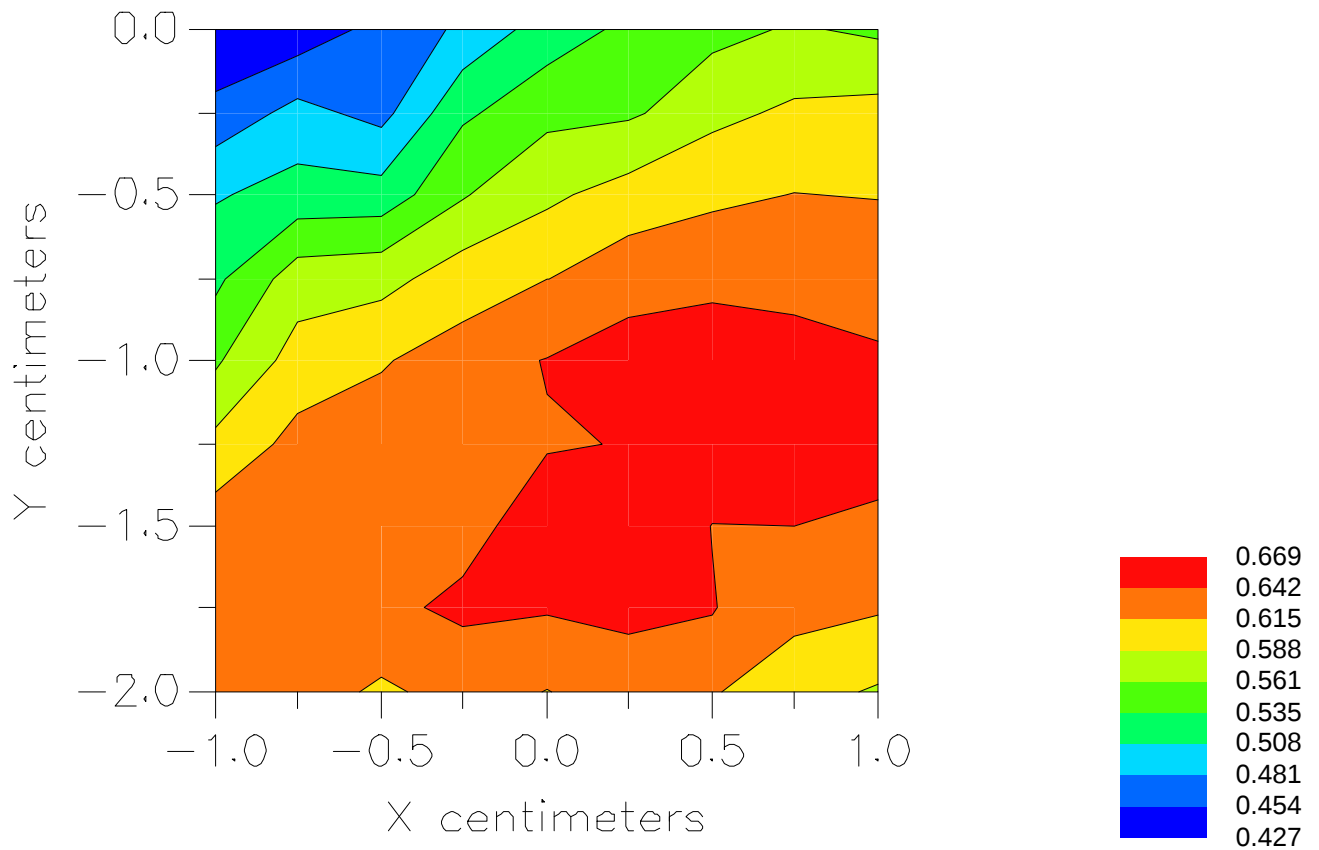


File : 01072401_ZOOM

Start : 24-Jul-101 09:57:15 am End : 24-Jul-101 10:09:52 am

HYUNDAI/TX-21B/10;848.97MHz;W;Helical/Out;

Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 DegreesMuscle/56.100/0.950



File : c:/idx3/SYSTEM/SARMEAS3/data/Normal/01072414_ZOOM.VLT
Start : 24-Jul-101 12:41:58 pm End : 24-Jul-101 12:50:13 pm

Radio Type : HYUNDAI
Model Number : TX-21B
Serial Number : 10
Frequency : 848.31 MHz
Peak Trans. Pwr : 0.280 W
Start Trans. Pwr: 0.280 W
Antenna Type : Helical
Antenna Posn. : In
Phantom Type : Body
Phantom Posn. : Abdomen
Scan Type : ZOOM/SAR
Probe Name : PCTEST
Field Type : E Field
Orientation : 0 Degrees

Mixture Type = Muscle
Mixture Dielectric Constant = 56.100
Mixture Conductivity = 0.950

Comment :
HYUNDAI TRI-MODE PHONE - CDMA MODE
CH 0777 24.5 dBm Conducted
HYUNDAI TRI-MODE PHONE - BODY SAR

Robot : PCTEST

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

PCTEST Amplifier Channel Settings : 0.166 0.135 0.132

Max Location : X = 0.500, Y = -1.000, Z = 0.000 (cm) Value = 14.240

Measured Values (volts) =
1.256E-002 1.062E-002 9.008E-003 8.057E-003 6.888E-003 6.563E-003
6.459E-003 6.082E-003 5.972E-003 5.606E-003 4.884E-003 4.260E-003
3.441E-003 2.946E-003 2.570E-003 2.210E-003 2.265E-003 2.729E-003
3.016E-003 3.197E-003 3.186E-003

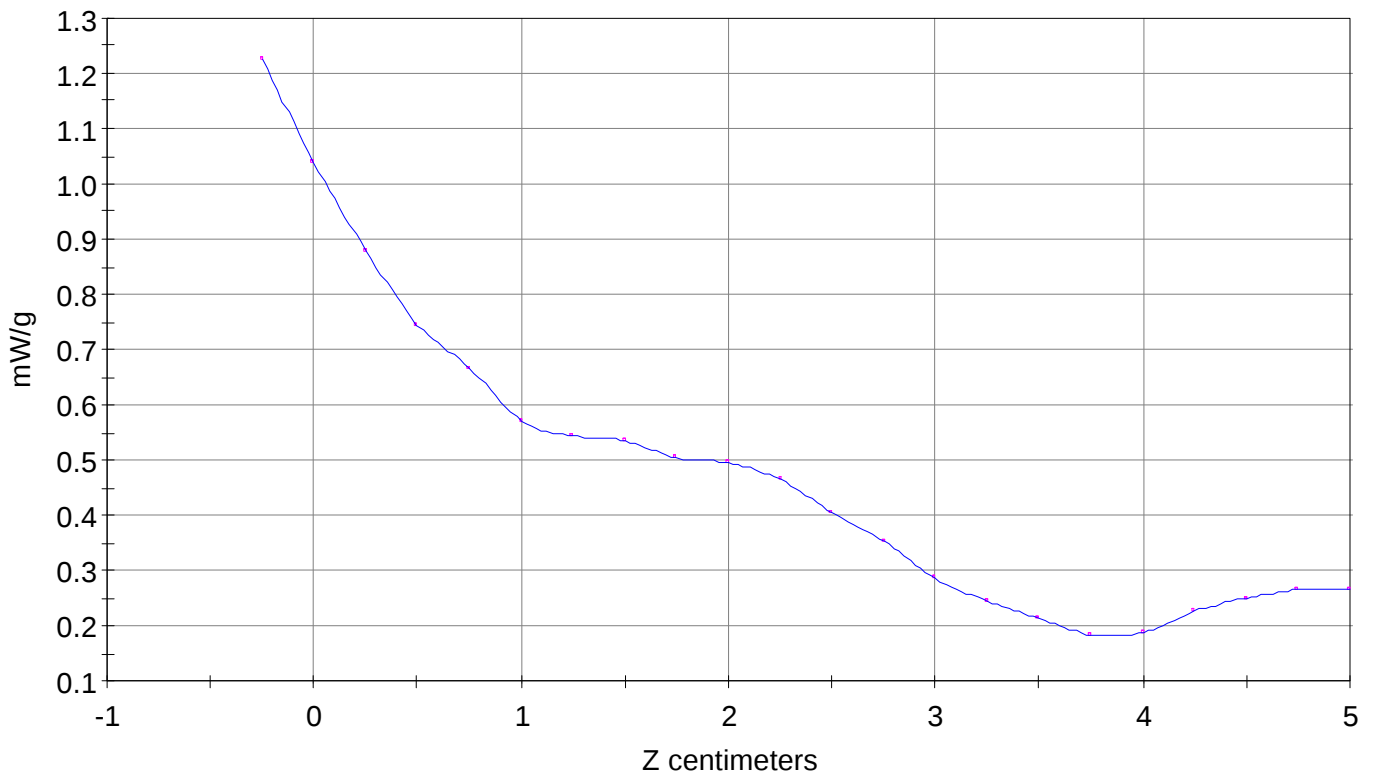
Calc. Voltage @ Surface (Vs) = 0.0148

Voltage @ 1.00 cm (Vt) = 0.0081

Ave. Voltage (Vs+Vt)/2 = 0.0114

Ave. SAR over 1 g (mW/g) = 0.9473

SAR Scan
File : 01072414_ZOOM
Start : 24-Jul-101 12:41:58 pm End : 24-Jul-101 12:50:13 pm
HYUNDAI/TX-21B/10;848.31MHz;W;Helical/In;
Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 DegreesMuscle/56.100/0.950

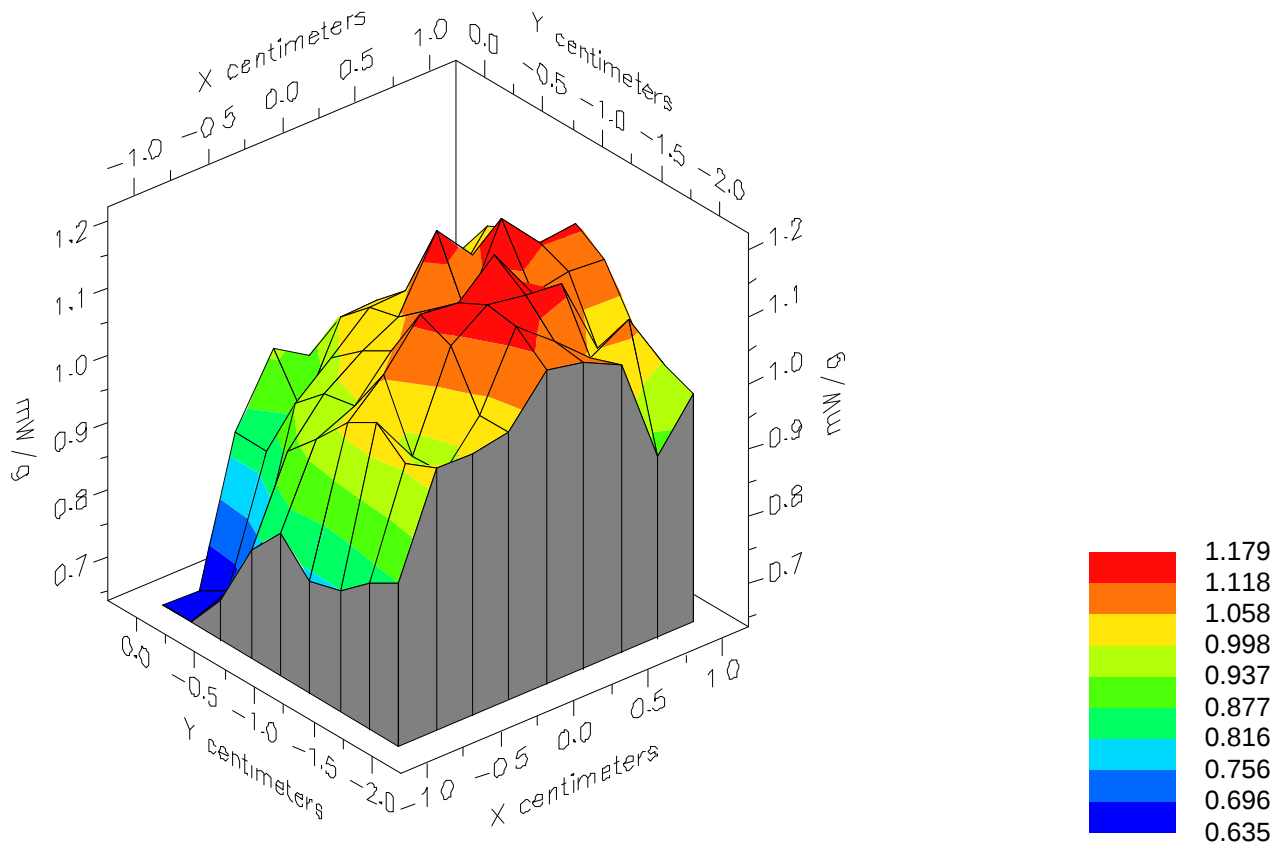


File : 01072414_ZOOM

Start : 24-Jul-101 12:41:58 pm End : 24-Jul-101 12:50:13 pm

HYUNDAI/TX-21B/10;848.31MHz;W;Helical/In;

Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 DegreesMuscle/56.100/0.950

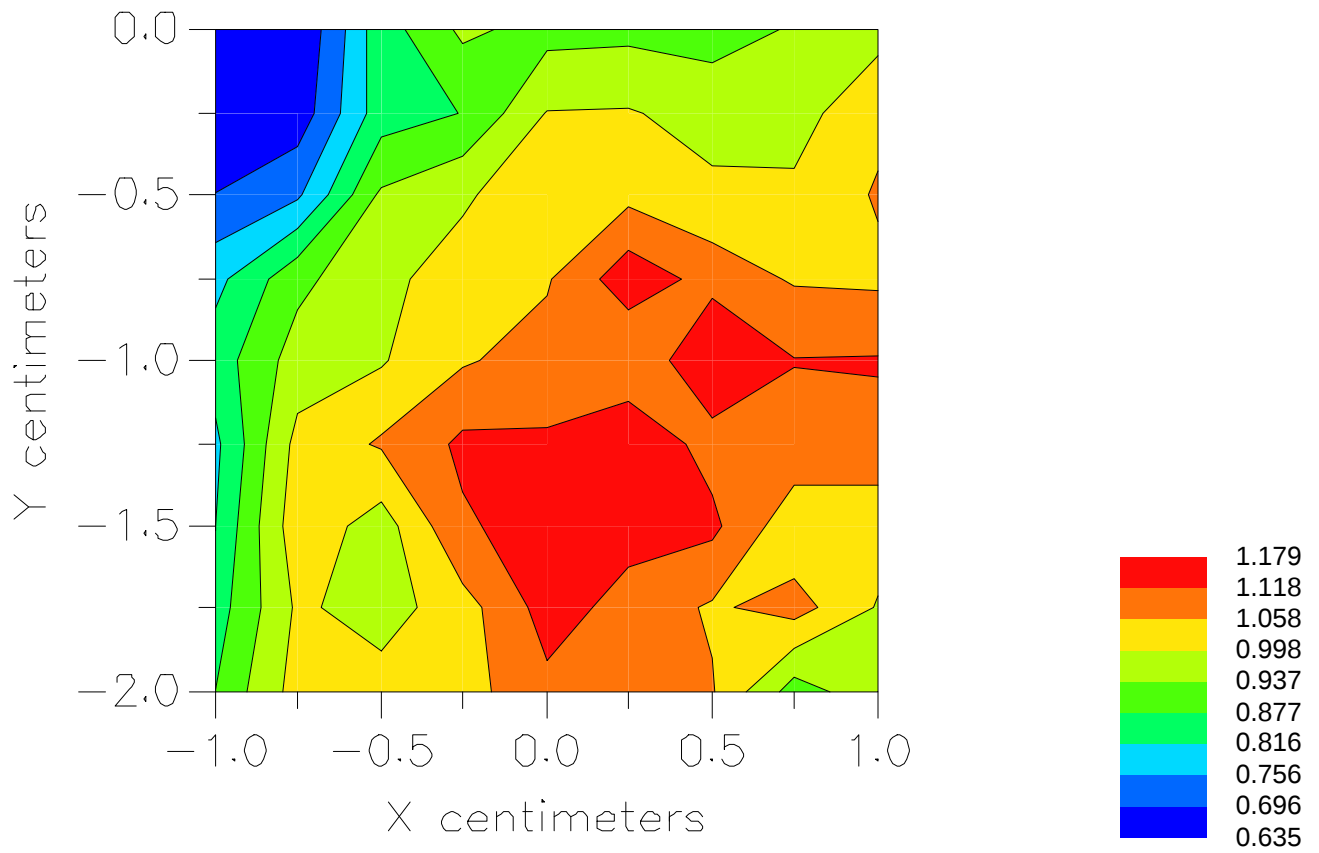


File : 01072414_ZOOM

Start : 24-Jul-101 12:41:58 pm End : 24-Jul-101 12:50:13 pm

HYUNDAI/TX-21B/10;848.31MHz;W;Helical/In;

Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 DegreesMuscle/56.100/0.950



File : c:/idx3/SYSTEM/SARMEAS3/data/Normal/01072414_ZOOM.VLT
Start : 24-Jul-101 12:41:58 pm End : 24-Jul-101 12:50:13 pm

Radio Type : HYUNDAI
Model Number : TX-21B
Serial Number : 10
Frequency : 848.31 MHz
Peak Trans. Pwr : 0.280 W
Start Trans. Pwr: 0.280 W
Antenna Type : Helical
Antenna Posn. : In
Phantom Type : Body
Phantom Posn. : Abdomen
Scan Type : ZOOM/SAR
Probe Name : PCTEST
Field Type : E Field
Orientation : 0 Degrees

Mixture Type = Muscle
Mixture Dielectric Constant = 56.100
Mixture Conductivity = 0.950

Comment :
HYUNDAI TRI-MODE PHONE - CDMA MODE
CH 0777 24.5 dBm Conducted
HYUNDAI TRI-MODE PHONE - BODY SAR

Robot : PCTEST

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

PCTEST Amplifier Channel Settings : 0.166 0.135 0.132

Max Location : X = 0.500, Y = -1.000, Z = 0.000 (cm) Value = 14.240

Measured Values (volts) =
1.256E-002 1.062E-002 9.008E-003 8.057E-003 6.888E-003 6.563E-003
6.459E-003 6.082E-003 5.972E-003 5.606E-003 4.884E-003 4.260E-003
3.441E-003 2.946E-003 2.570E-003 2.210E-003 2.265E-003 2.729E-003
3.016E-003 3.197E-003 3.186E-003

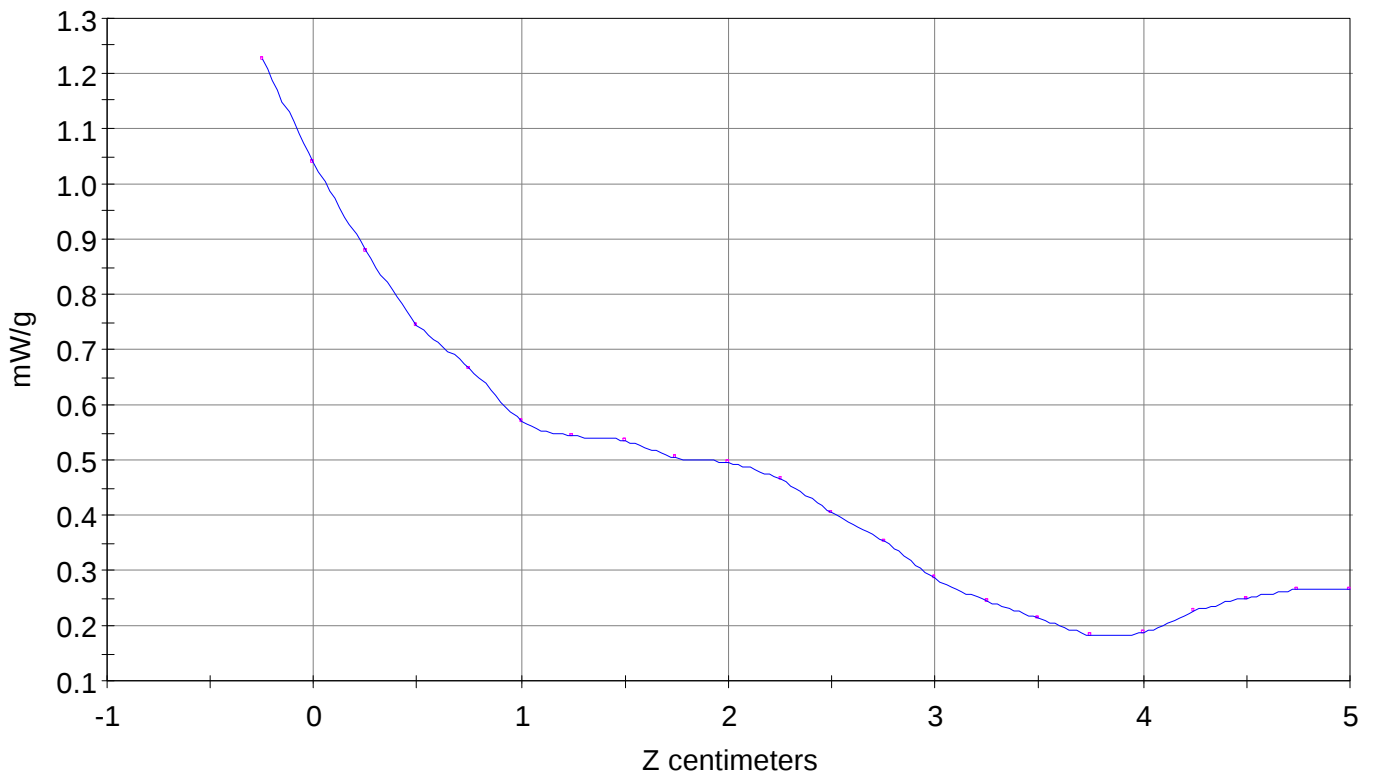
Calc. Voltage @ Surface (Vs) = 0.0148

Voltage @ 1.00 cm (Vt) = 0.0081

Ave. Voltage (Vs+Vt)/2 = 0.0114

Ave. SAR over 1 g (mW/g) = 0.9473

SAR Scan
File : 01072414_ZOOM
Start : 24-Jul-101 12:41:58 pm End : 24-Jul-101 12:50:13 pm
HYUNDAI/TX-21B/10;848.31MHz;W;Helical/In;
Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 DegreesMuscle/56.100/0.950

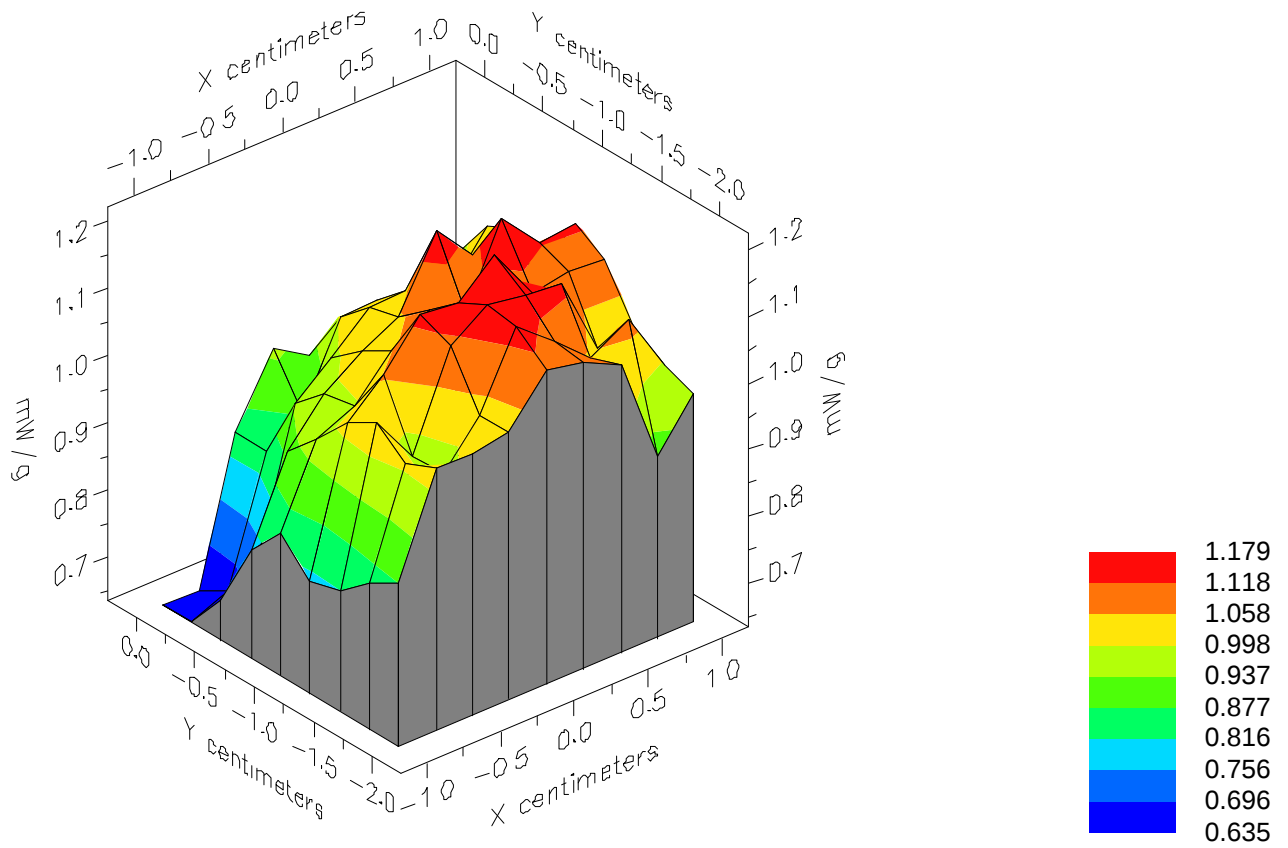


File : 01072414_ZOOM

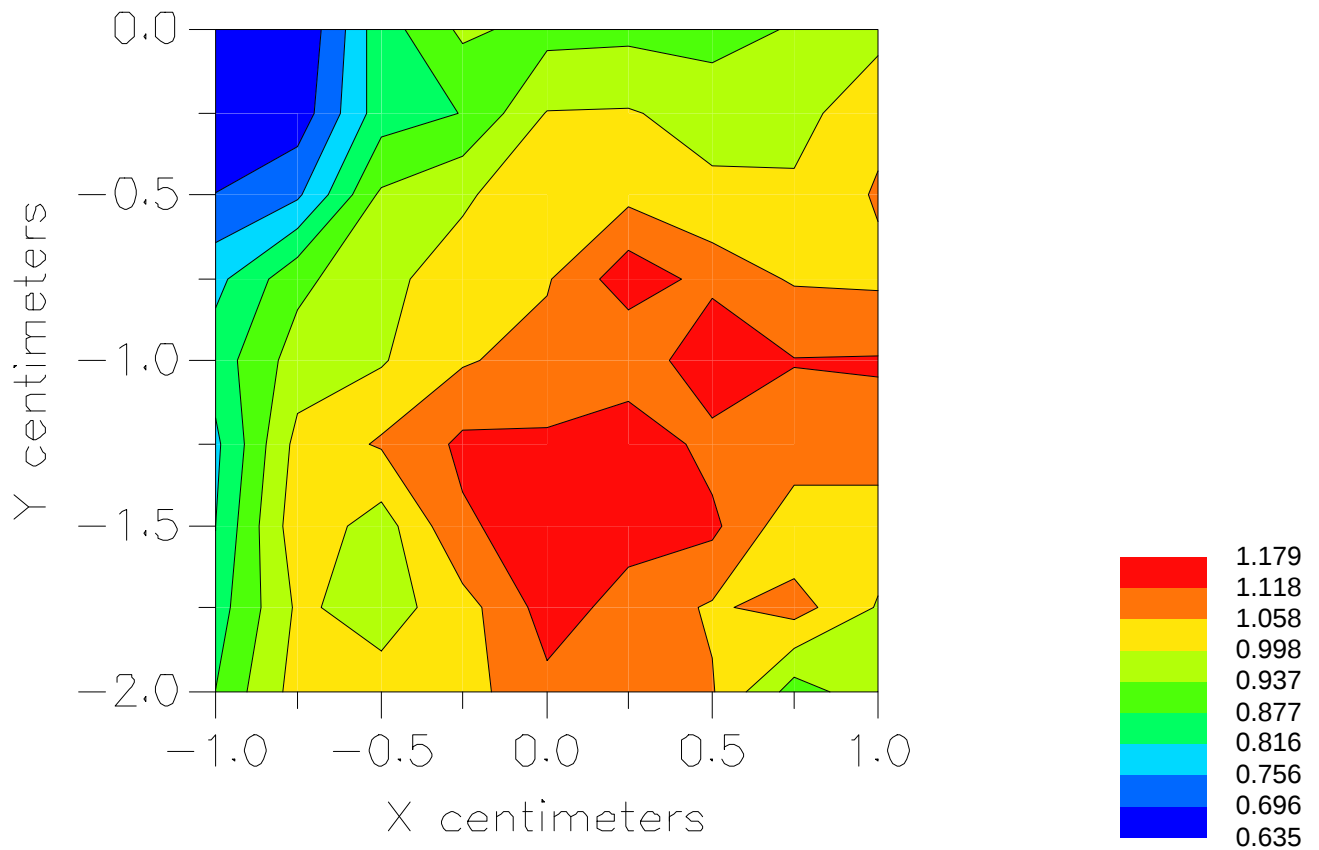
Start : 24-Jul-101 12:41:58 pm End : 24-Jul-101 12:50:13 pm

HYUNDAI/TX-21B/10;848.31MHz;W;Helical/In;

Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 DegreesMuscle/56.100/0.950



File : 01072414_ZOOM
Start : 24-Jul-101 12:41:58 pm End : 24-Jul-101 12:50:13 pm
HYUNDAI/TX-21B/10;848.31MHz;W;Helical/In;
Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 DegreesMuscle/56.100/0.950



File : c:/idx3/SYSTEM/SARMEAS3/data/Normal/01072415_ZOOM.VLT
Start : 24-Jul-101 12:51:53 pm End : 24-Jul-101 01:00:06 pm

Radio Type : HYUNDAI
Model Number : TX-21B
Serial Number : 10
Frequency : 848.31 MHz
Peak Trans. Pwr : 0.280 W
Start Trans. Pwr: 0.280 W
Antenna Type : Helical
Antenna Posn. : Out
Phantom Type : Body
Phantom Posn. : Abdomen
Scan Type : ZOOM/SAR
Probe Name : PCTEST
Field Type : E Field
Orientation : 0 Degrees

Mixture Type = Muscle
Mixture Dielectric Constant = 56.100
Mixture Conductivity = 0.950

Comment :
HYUNDAI TRI-MODE PHONE - CDMA MODE
CH 0777 24.5 dBm Conducted
HYUNDAI TRI-MODE PHONE - BODY SAR

Robot : PCTEST

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

PCTEST Amplifier Channel Settings : 0.166 0.135 0.132

Max Location : X = -0.750, Y = -1.250, Z = 0.000 (cm) Value = 7.207

Measured Values (volts) =
5.708E-003 4.903E-003 4.694E-003 4.026E-003 4.052E-003 3.624E-003
3.628E-003 3.657E-003 3.408E-003 2.935E-003 2.991E-003 2.666E-003
2.442E-003 2.236E-003 2.316E-003 2.540E-003 2.502E-003 2.657E-003
2.682E-003 2.607E-003 2.311E-003

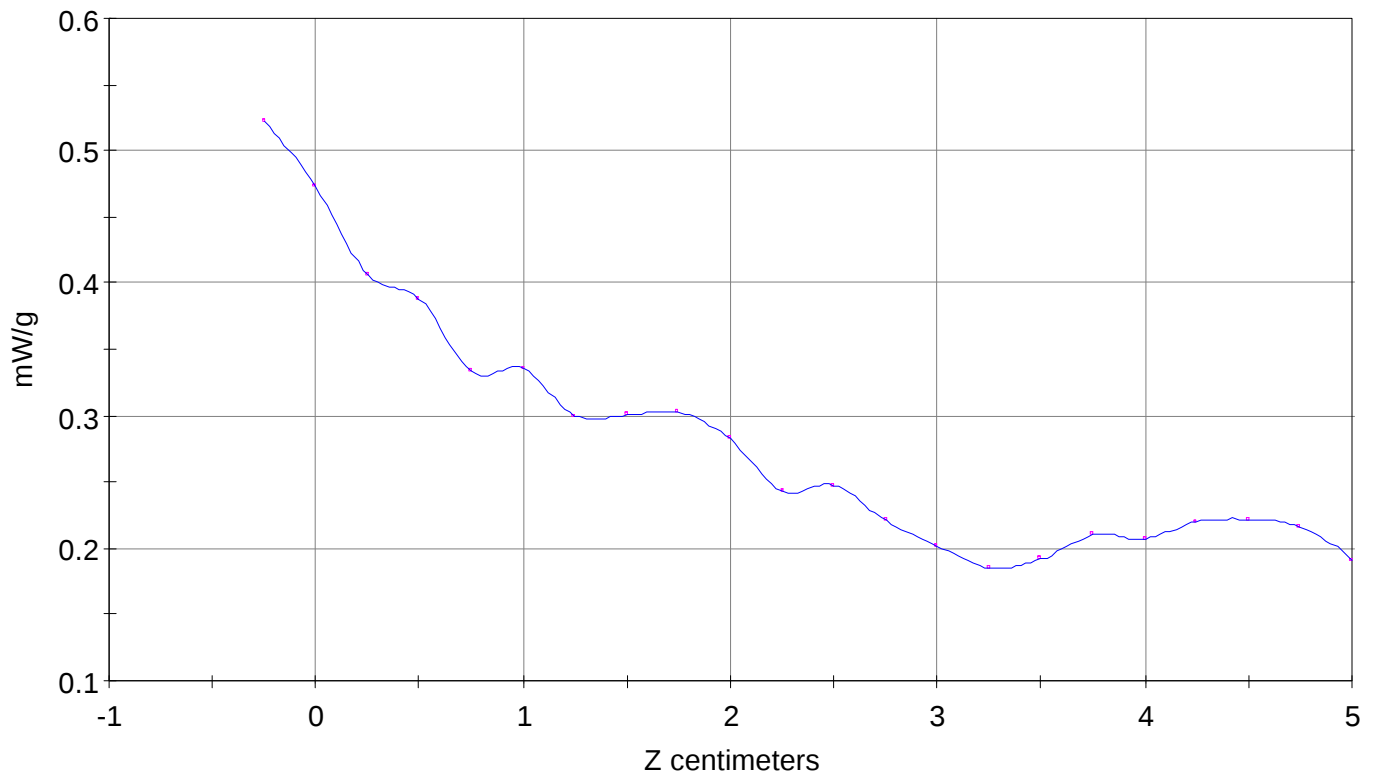
Calc. Voltage @ Surface (Vs) = 0.0063

Voltage @ 1.00 cm (Vt) = 0.0040

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

Ave. SAR over 1 g (mW/g) = 0.4275

SAR Scan
File : 01072415_ZOOM
Start : 24-Jul-101 12:51:53 pm End : 24-Jul-101 01:00:06 pm
HYUNDAI/TX-21B/10;848.31MHz;W;Helical/Out;
Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 DegreesMuscle/56.100/0.950

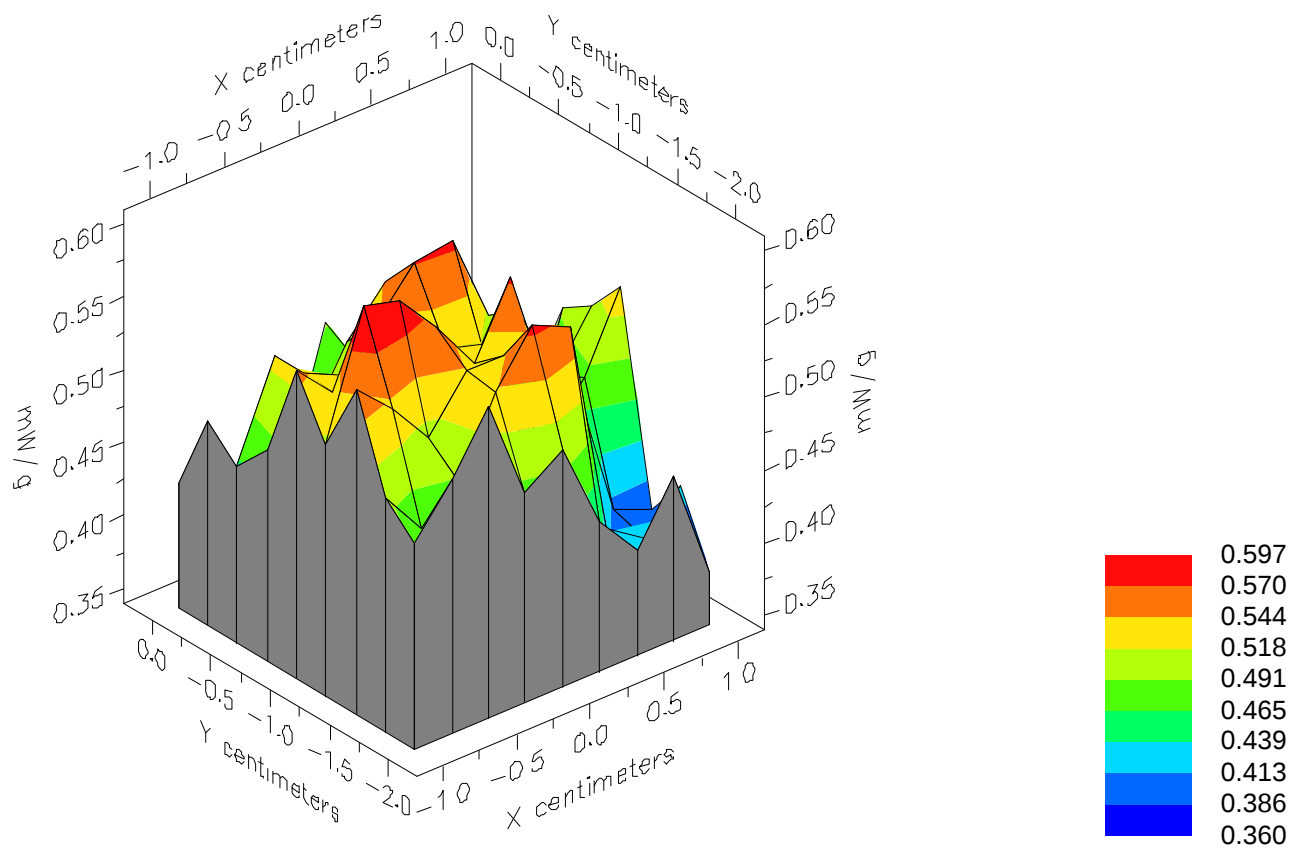


File : 01072415_ZOOM

Start : 24-Jul-101 12:51:53 pm End : 24-Jul-101 01:00:06 pm

HYUNDAI/TX-21B/10;848.31MHz;W;Helical/Out;

Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 DegreesMuscle/56.100/0.950

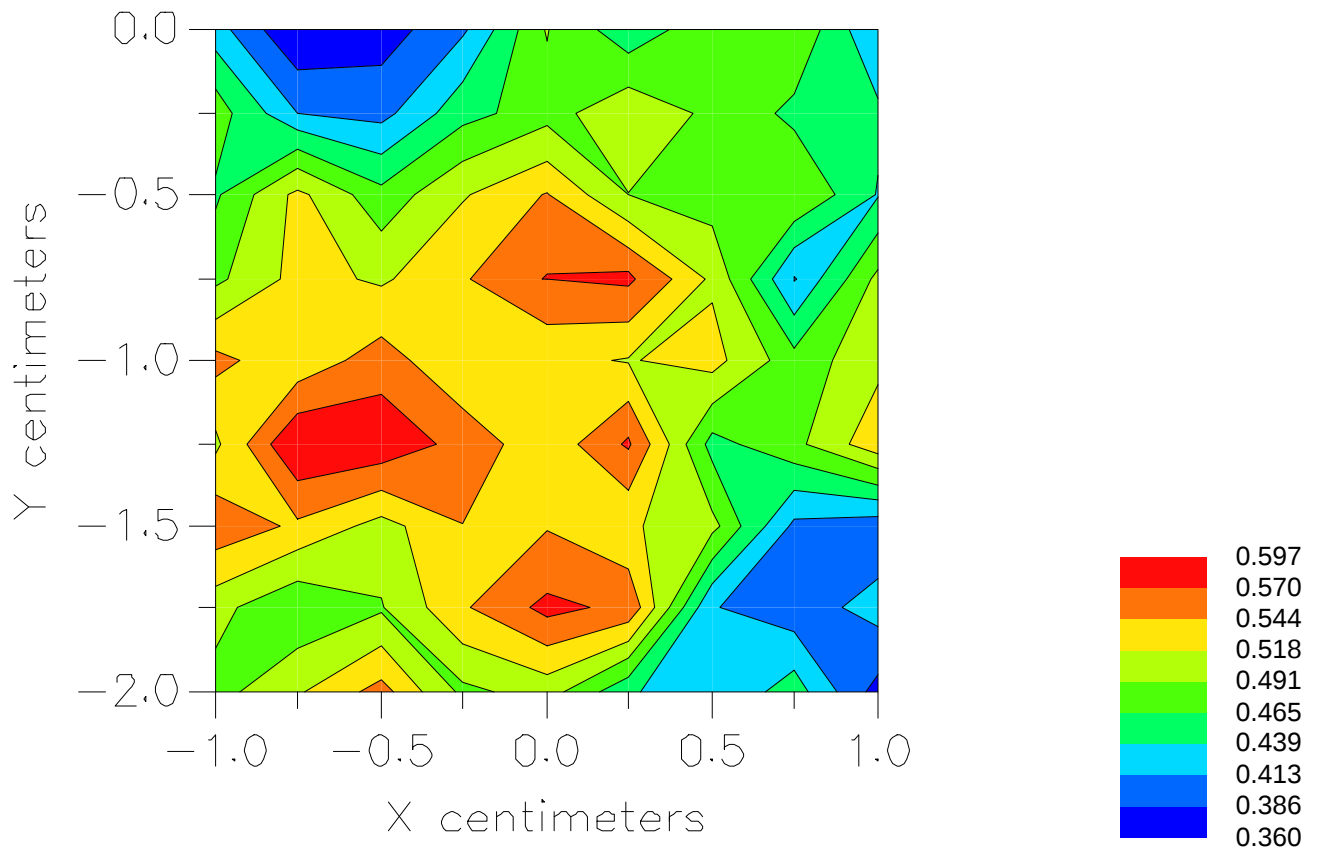


File : 01072415_ZOOM

Start : 24-Jul-101 12:51:53 pm End : 24-Jul-101 01:00:06 pm

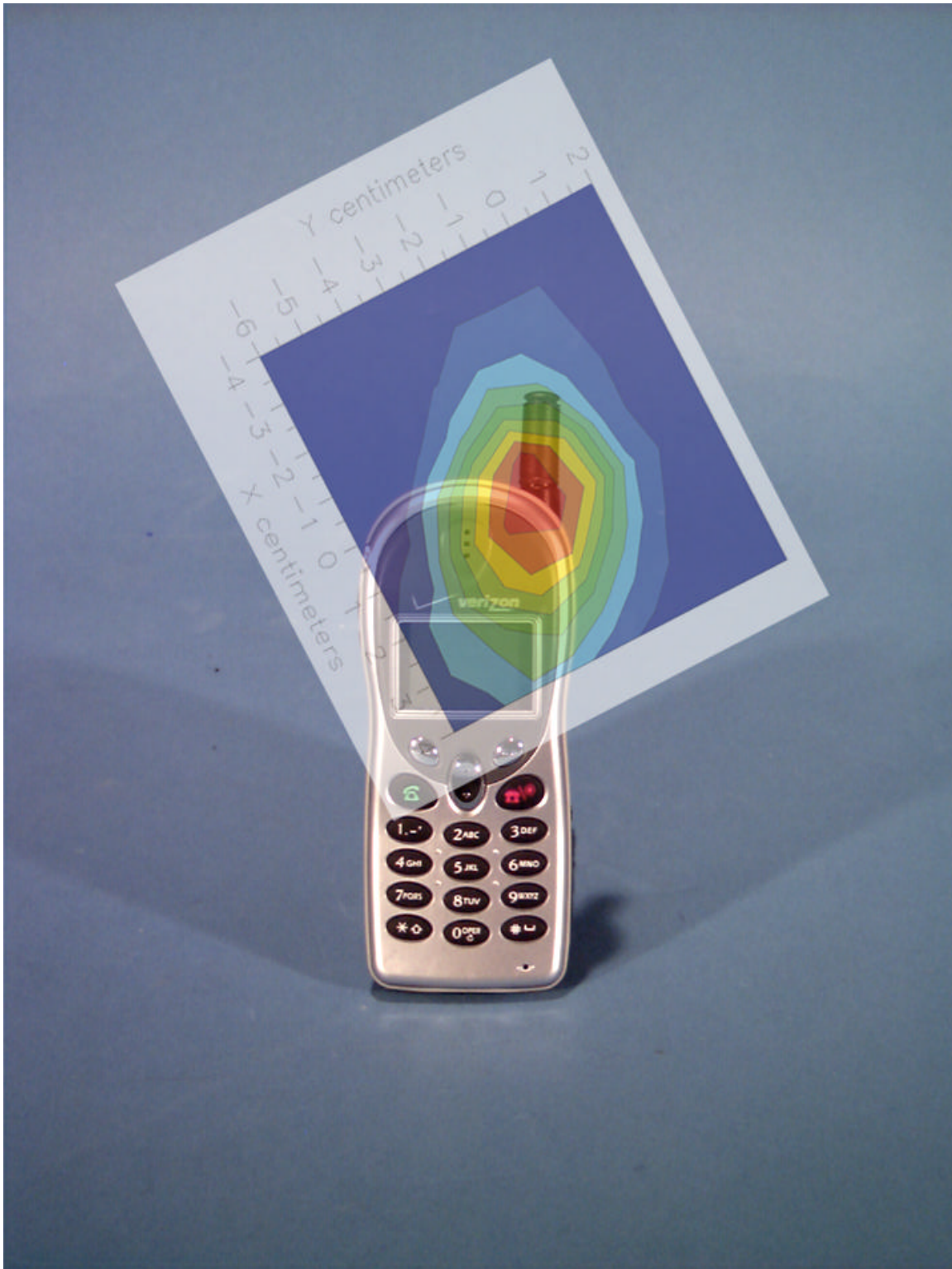
HYUNDAI/TX-21B/10;848.31MHz;W;Helical/Out;

Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 DegreesMuscle/56.100/0.950



Peak SAR Location

1800 MHz Head SAR



File : c:/idx3/SYSTEM/SARMEAS3/data/Normal/01072324_ZOOM.VLT
Start : 23-Jul-101 04:19:22 pm End : 23-Jul-101 04:28:41 pm

Radio Type : HYUNDAI
Model Number : TX-21B
Serial Number : 10
Frequency : 1851.25 MHz
Peak Trans. Pwr : 0.280 W
Start Trans. Pwr: 0.280 W
Antenna Type : Helical
Antenna Posn. : In
Phantom Type : Head
Phantom Posn. : Left Ear
Scan Type : ZOOM/SAR
Probe Name : PCTEST
Field Type : E Field
Orientation : 0 Degrees

Mixture Type = Brain
Mixture Dielectric Constant = 40.400
Mixture Conductivity = 1.620

Comment :
HYUNDAI TRI-MODE PHONE - PCS MODE
CH 0025 24.5 dBm Conducted
HYUNDAI TRI-MODE PHONE

Robot : PCTEST

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

PCTEST Amplifier Channel Settings : 0.245 0.231 0.224

Max Location : X = 0.250, Y = -2.500, Z = 0.000 (cm) Value = 12.887

Measured Values (volts) =
1.207E-002 9.206E-003 7.156E-003 5.551E-003 4.487E-003 3.564E-003
2.948E-003 2.527E-003 2.155E-003 1.814E-003 1.636E-003 1.551E-003
1.441E-003 1.306E-003 1.306E-003 1.295E-003 1.245E-003 1.222E-003
1.126E-003 1.196E-003 1.198E-003

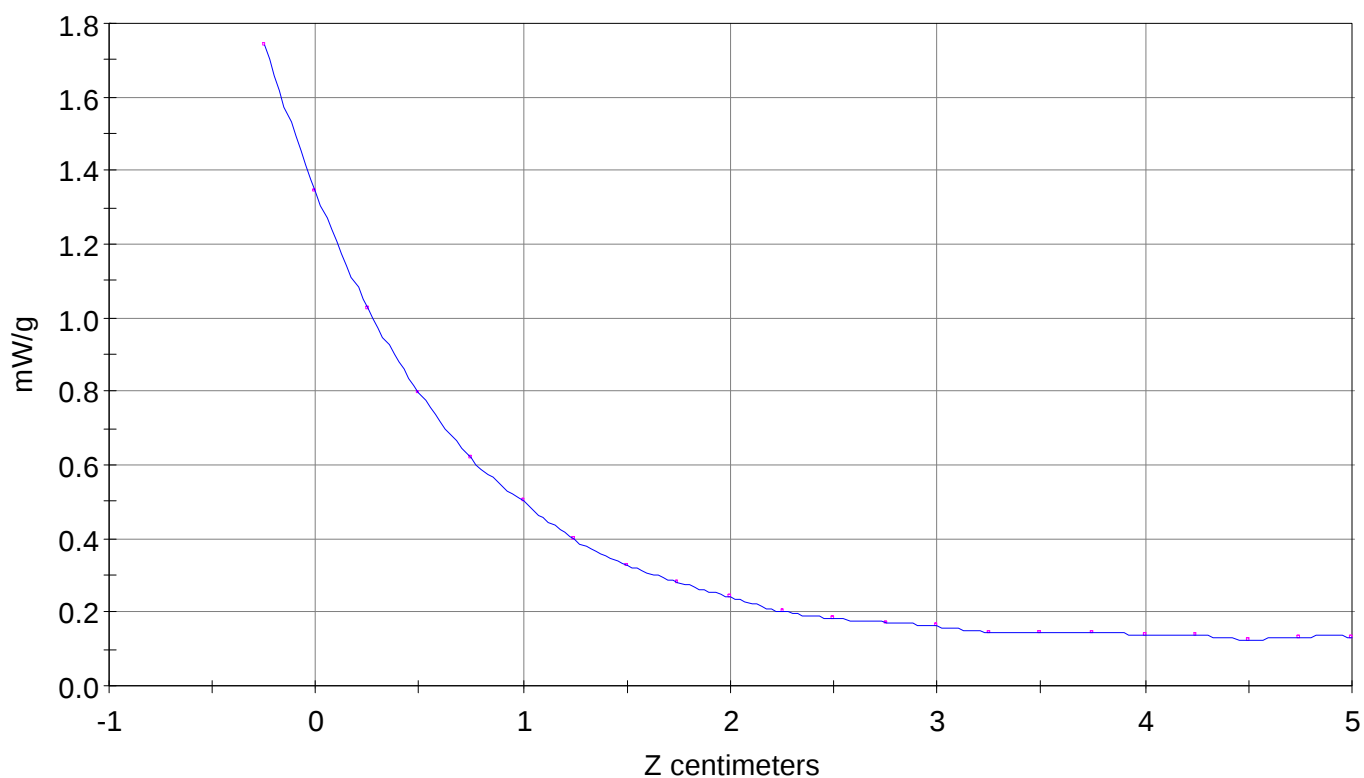
Calc. Voltage @ Surface (Vs) = 0.0157

Voltage @ 1.00 cm (Vt) = 0.0056

Ave. Voltage (Vs+Vt)/2 = 0.0106

Ave. SAR over 1 g (mW/g) = 1.1807

SAR Scan
File : 01072324_ZOOM
Start : 23-Jul-101 04:19:22 pm End : 23-Jul-101 04:28:41 pm
HYUNDAI/TX-21B/10;1851.25MHz;W;Helical/In;
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/40.400/1.620

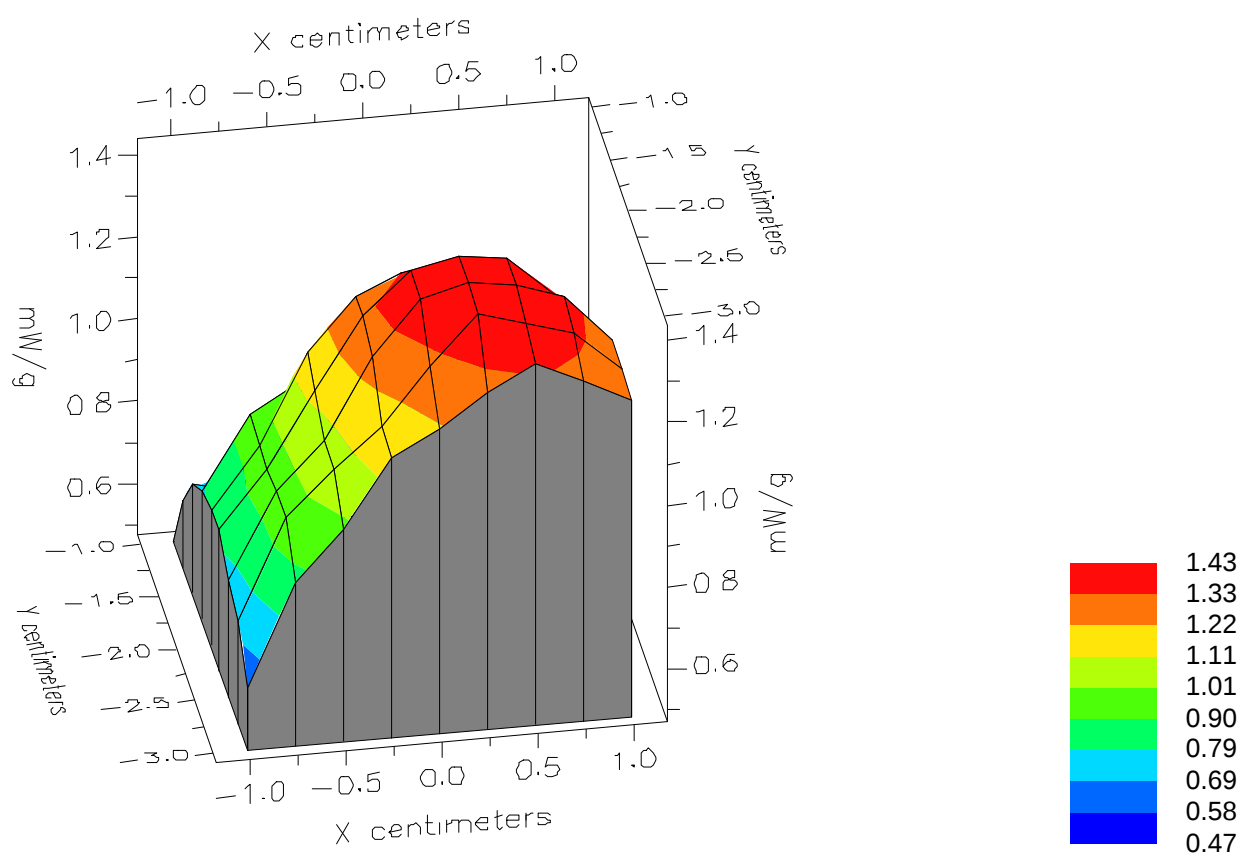


File : 01072324_ZOOM

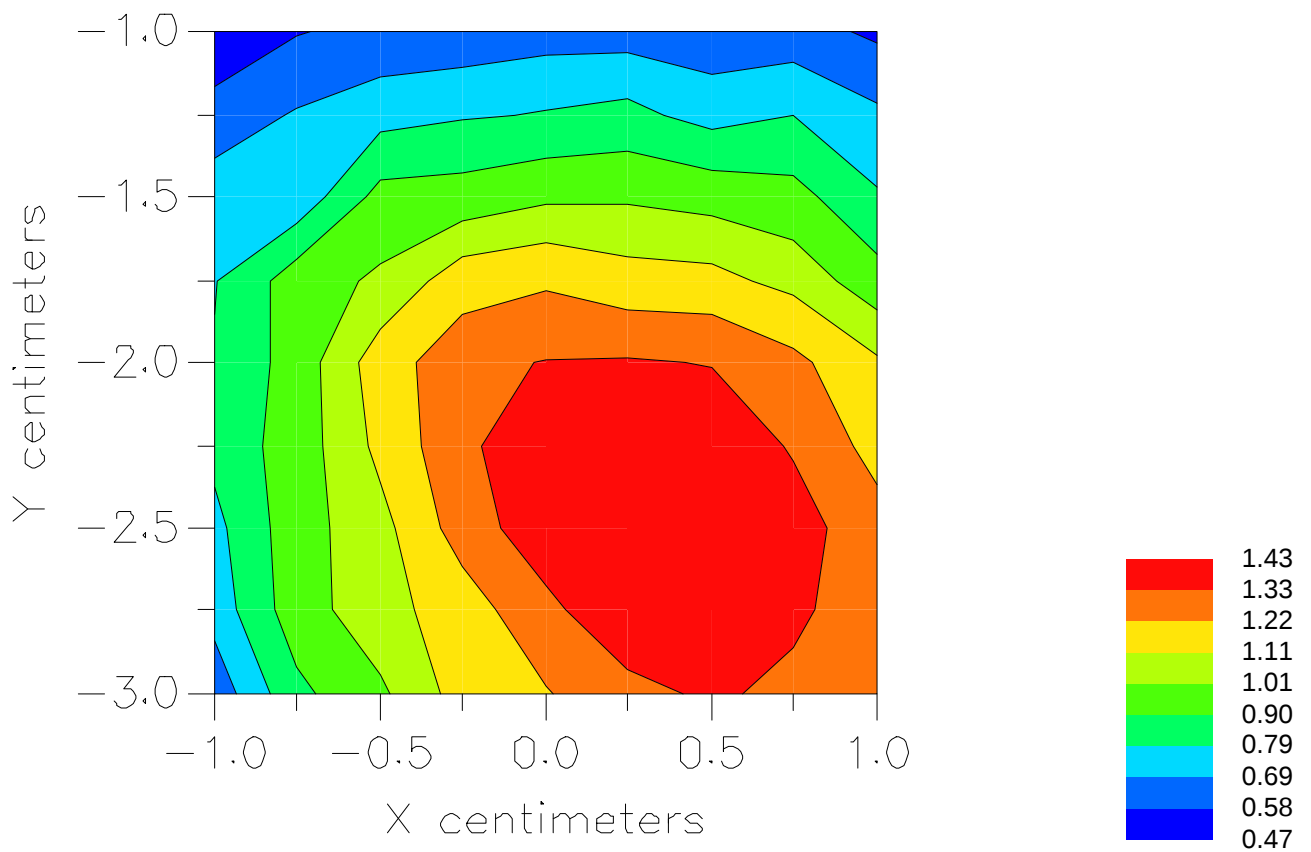
Start : 23-Jul-101 04:19:22 pm End : 23-Jul-101 04:28:41 pm

HYUNDAI/TX-21B/10;1851.25MHz;W;Helical/In;

Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/40.400/1.620



File : 01072324_ZOOM
Start : 23-Jul-101 04:19:22 pm End : 23-Jul-101 04:28:41 pm
HYUNDAI/TX-21B/10;1851.25MHz;W;Helical/In;
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/40.400/1.620



File : c:/idx3/SYSTEM/SARMEAS3/data/Normal/01072323_ZOOM.VLT
Start : 23-Jul-101 04:05:02 pm End : 23-Jul-101 04:17:43 pm

Radio Type : HYUNDAI
Model Number : TX-21B
Serial Number : 10
Frequency : 1851.25 MHz
Peak Trans. Pwr : 0.280 W
Start Trans. Pwr: 0.280 W
Antenna Type : Helical
Antenna Posn. : Out
Phantom Type : Head
Phantom Posn. : Left Ear
Scan Type : ZOOM/SAR
Probe Name : PCTEST
Field Type : E Field
Orientation : 0 Degrees

Mixture Type = Brain
Mixture Dielectric Constant = 40.400
Mixture Conductivity = 1.620

Comment :
HYUNDAI TRI-MODE PHONE - PCS MODE
CH 0025 24.5 dBm Conducted
HYUNDAI TRI-MODE PHONE

Robot : PCTEST

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

PCTEST Amplifier Channel Settings : 0.245 0.231 0.224

Max Location : X = 0.250, Y = -2.500, Z = 0.000 (cm) Value = 10.799

Measured Values (volts) =
1.054E-002 7.835E-003 6.194E-003 4.815E-003 3.887E-003 3.125E-003
2.645E-003 2.254E-003 1.976E-003 1.700E-003 1.570E-003 1.469E-003
1.434E-003 1.265E-003 1.289E-003 1.286E-003 1.247E-003 1.220E-003
1.171E-003 1.177E-003 1.304E-003

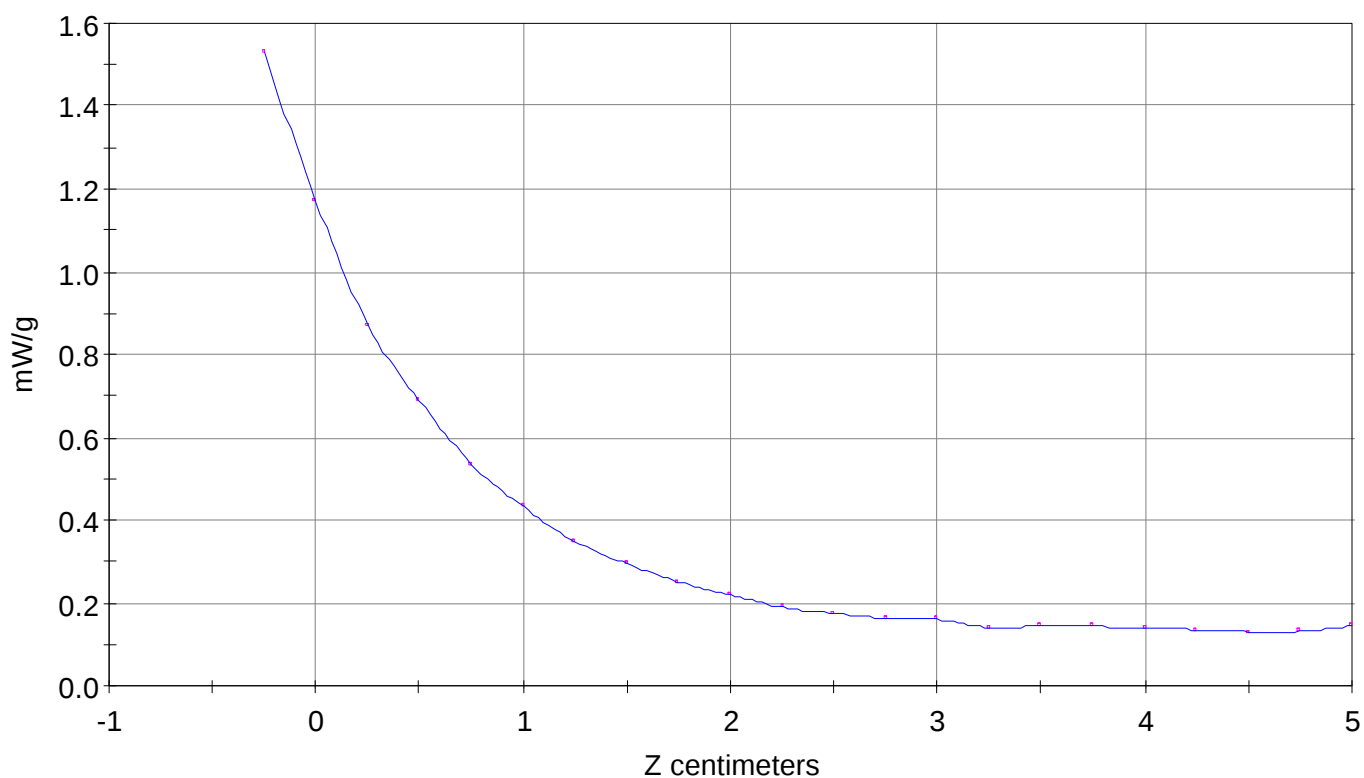
Calc. Voltage @ Surface (Vs) = 0.0137

Voltage @ 1.00 cm (Vt) = 0.0048

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

Ave. SAR over 1 g (mW/g) = 1.0320

SAR Scan
File : 01072323_ZOOM
Start : 23-Jul-101 04:05:02 pm End : 23-Jul-101 04:17:43 pm
HYUNDAI/TX-21B/10;1851.25MHz;W;Helical/Out;
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/40.400/1.620

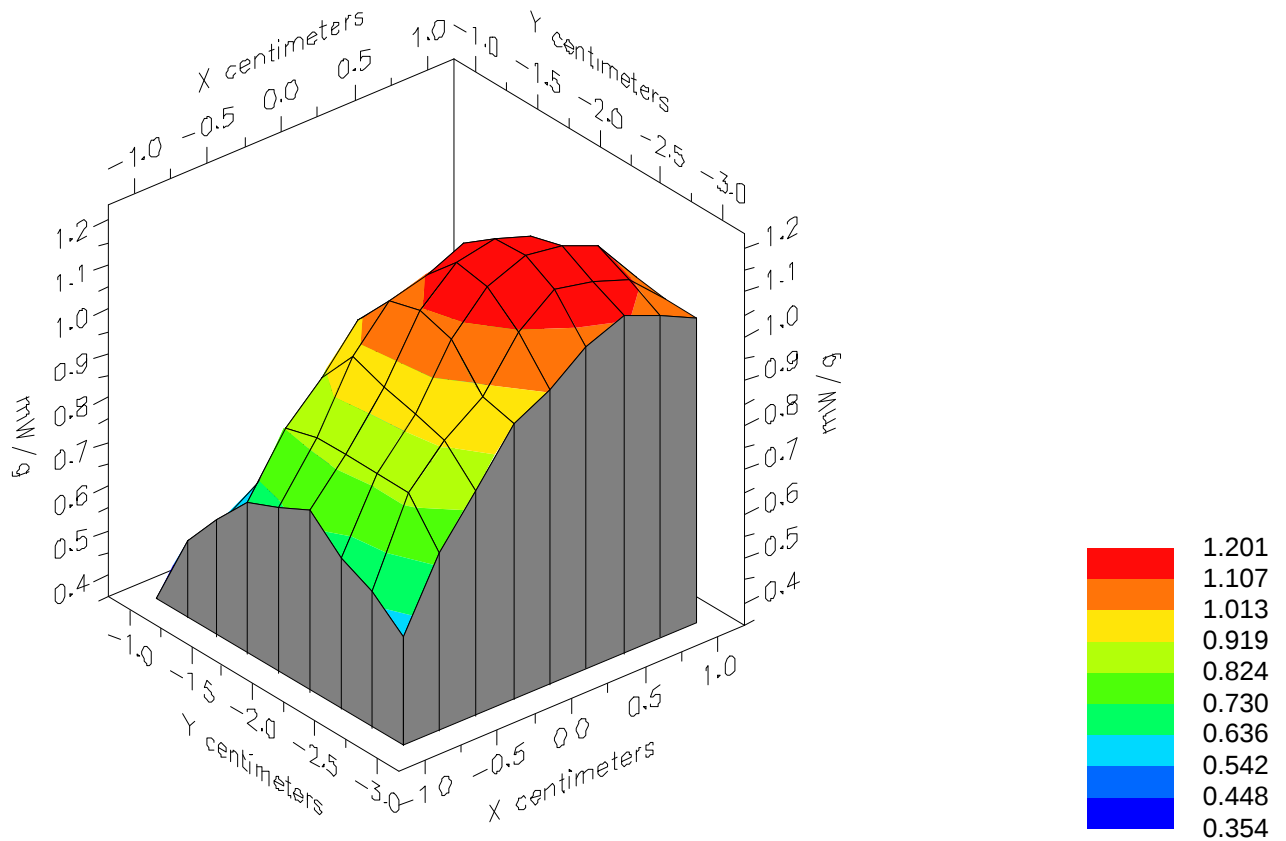


File : 01072323_ZOOM

Start : 23-Jul-101 04:05:02 pm End : 23-Jul-101 04:17:43 pm

HYUNDAI/TX-21B/10;1851.25MHz;W;Helical/Out;

Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/40.400/1.620

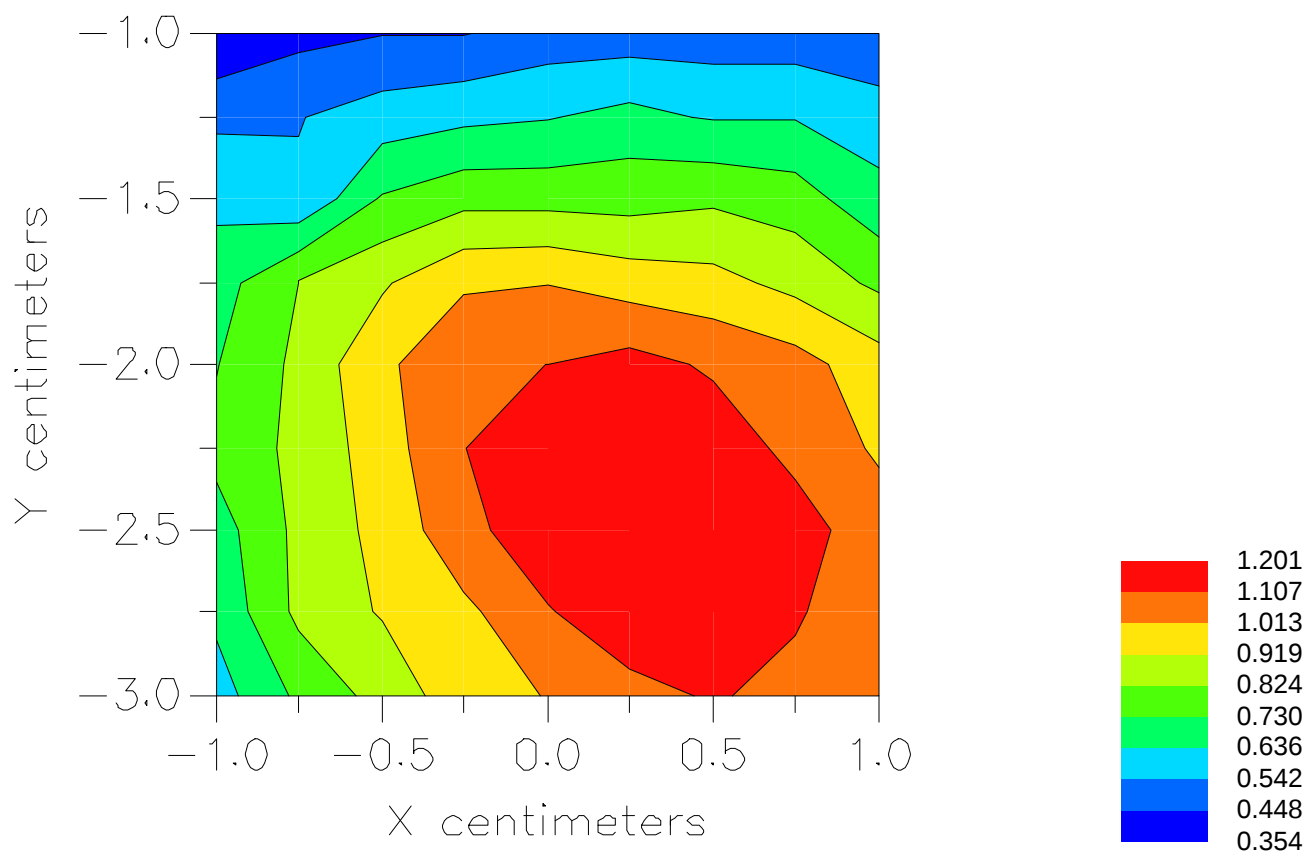


File : 01072323_ZOOM

Start : 23-Jul-101 04:05:02 pm End : 23-Jul-101 04:17:43 pm

HYUNDAI/TX-21B/10;1851.25MHz;W;Helical/Out;

Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/40.400/1.620



File : c:/idx3/SYSTEM/SARMEAS3/data/Normal/01072326_ZOOM.VLT
Start : 23-Jul-101 04:45:07 pm End : 23-Jul-101 04:54:27 pm

Radio Type : HYUNDAI
Model Number : TX-21B
Serial Number : 10
Frequency : 1880.00 MHz
Peak Trans. Pwr : 0.280 W
Start Trans. Pwr: 0.280 W
Antenna Type : Helical
Antenna Posn. : In
Phantom Type : Head
Phantom Posn. : Left Ear
Scan Type : ZOOM/SAR
Probe Name : PCTEST
Field Type : E Field
Orientation : 0 Degrees

Mixture Type = Brain
Mixture Dielectric Constant = 40.400
Mixture Conductivity = 1.620

Comment :
HYUNDAI TRI-MODE PHONE - PCS MODE
CH 0600 24.5 dBm Conducted
HYUNDAI TRI-MODE PHONE

Robot : PCTEST

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

PCTEST Amplifier Channel Settings : 0.245 0.231 0.224

Max Location : X = 0.250, Y = -2.500, Z = 0.000 (cm) Value = 10.329

Measured Values (volts) =
1.018E-002 7.827E-003 6.086E-003 4.666E-003 3.910E-003 3.148E-003
2.638E-003 2.270E-003 2.001E-003 1.702E-003 1.587E-003 1.518E-003
1.382E-003 1.311E-003 1.268E-003 1.259E-003 1.253E-003 1.239E-003
1.173E-003 1.223E-003 1.206E-003

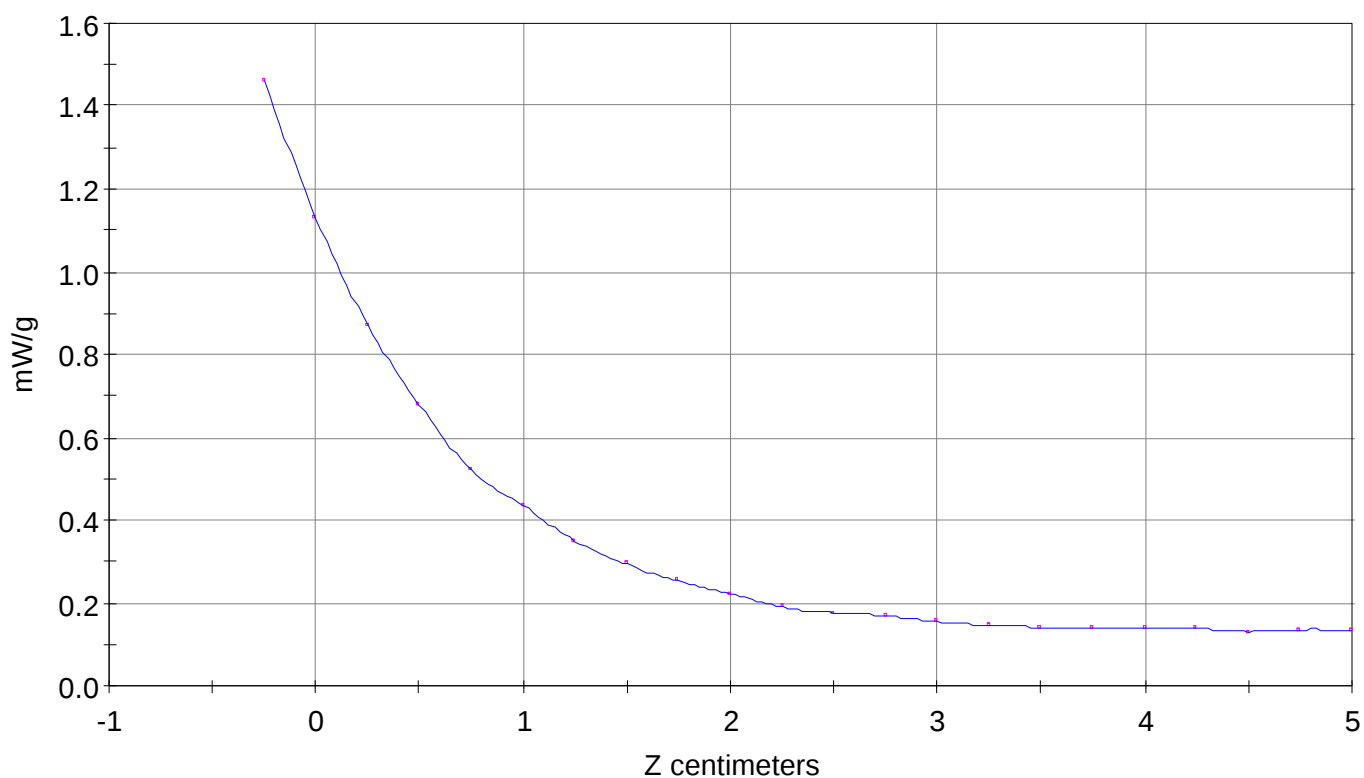
Calc. Voltage @ Surface (Vs) = 0.0132

Voltage @ 1.00 cm (Vt) = 0.0047

Ave. Voltage (Vs+Vt)/2 = 0.0089

Ave. SAR over 1 g (mW/g) = 0.9913

SAR Scan
File : 01072326_ZOOM
Start : 23-Jul-101 04:45:07 pm End : 23-Jul-101 04:54:27 pm
HYUNDAI/TX-21B/10;1880.00MHz;W;Helical/In;
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/40.400/1.620

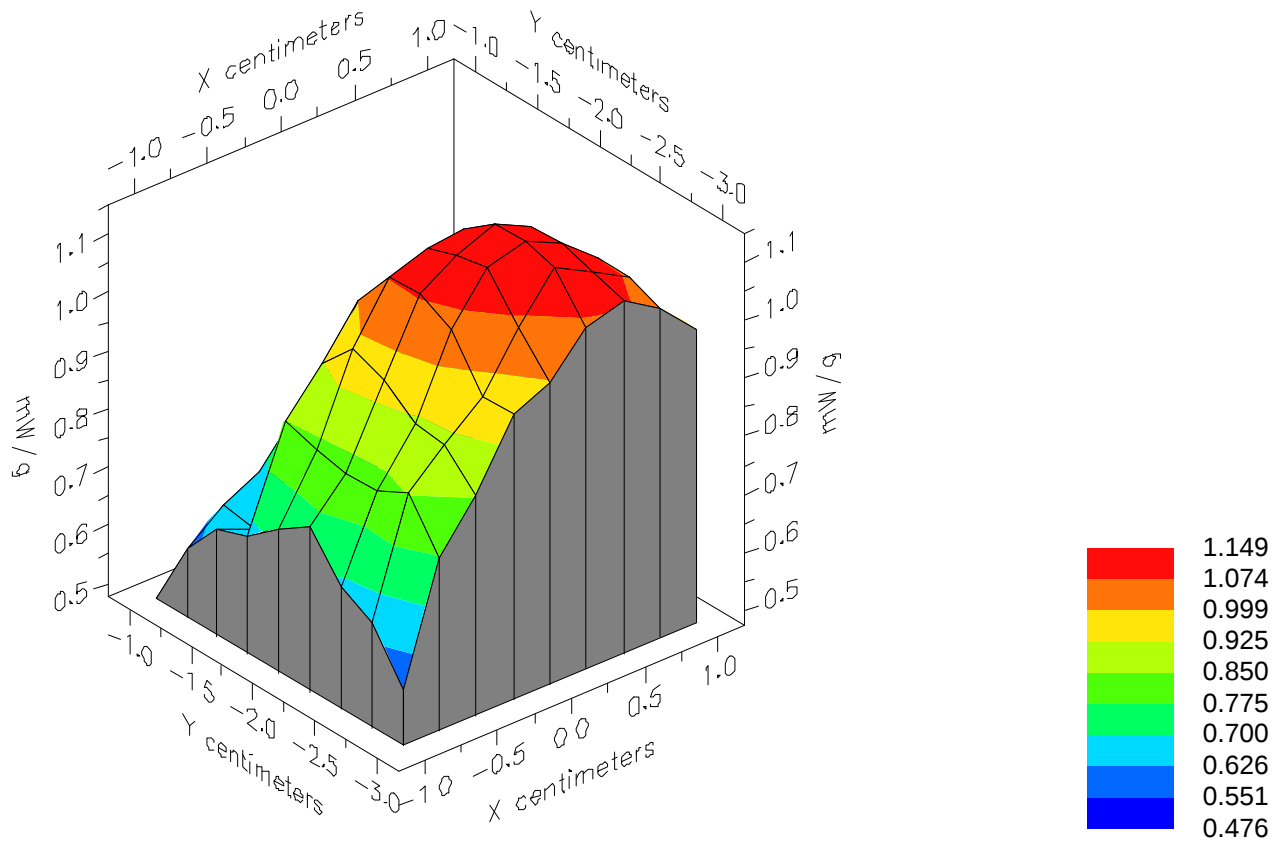


File : 01072326_ZOOM

Start : 23-Jul-101 04:45:07 pm End : 23-Jul-101 04:54:27 pm

HYUNDAI/TX-21B/10;1880.00MHz;W;Helical/In;

Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/40.400/1.620

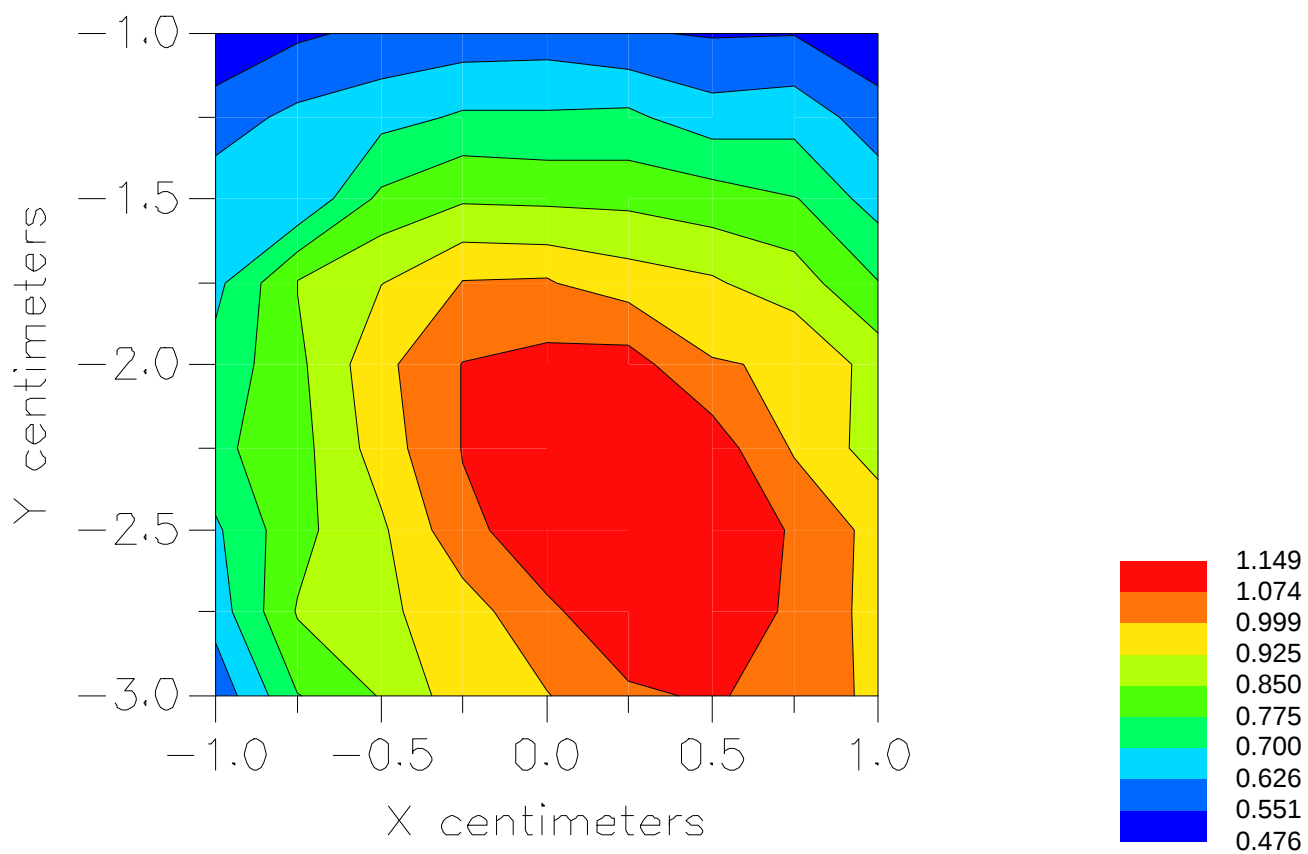


File : 01072326_ZOOM

Start : 23-Jul-101 04:45:07 pm End : 23-Jul-101 04:54:27 pm

HYUNDAI/TX-21B/10;1880.00MHz;W;Helical/In;

Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/40.400/1.620



File : c:/idx3/SYSTEM/SARMEAS3/data/Normal/01072330_ZOOM.VLT
Start : 23-Jul-101 05:33:04 pm End : 23-Jul-101 05:42:22 pm

Radio Type : HYUNDAI
Model Number : TX-21B
Serial Number : 10
Frequency : 1880.00 MHz
Peak Trans. Pwr : 0.280 W
Start Trans. Pwr: 0.280 W
Antenna Type : Helical
Antenna Posn. : Out
Phantom Type : Head
Phantom Posn. : Left Ear
Scan Type : ZOOM/SAR
Probe Name : PCTEST
Field Type : E Field
Orientation : 0 Degrees

Mixture Type = Brain
Mixture Dielectric Constant = 40.400
Mixture Conductivity = 1.620

Comment :
HYUNDAI TRI-MODE PHONE - PCS MODE
CH 0600 24.5 dBm Conducted
HYUNDAI TRI-MODE PHONE

Robot : PCTEST

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

PCTEST Amplifier Channel Settings : 0.245 0.231 0.224

Max Location : X = 0.250, Y = -2.250, Z = 0.000 (cm) Value = 9.582

Measured Values (volts) =
9.414E-003 7.515E-003 5.754E-003 4.454E-003 3.592E-003 2.924E-003
2.456E-003 2.125E-003 1.900E-003 1.674E-003 1.532E-003 1.385E-003
1.358E-003 1.305E-003 1.301E-003 1.239E-003 1.274E-003 1.226E-003
1.214E-003 1.202E-003 1.190E-003

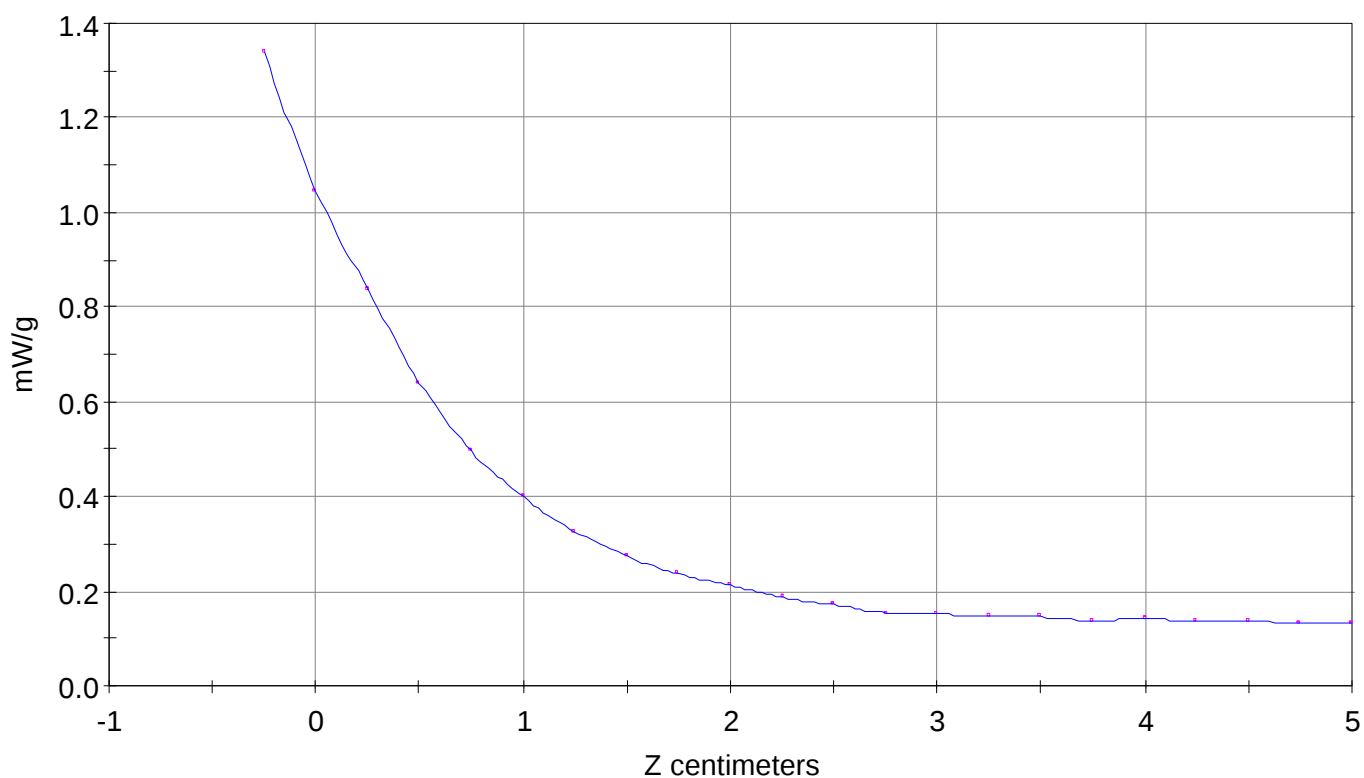
Calc. Voltage @ Surface (Vs) = 0.0120

Voltage @ 1.00 cm (Vt) = 0.0045

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

Ave. SAR over 1 g (mW/g) = 0.9174

SAR Scan
File : 01072330_ZOOM
Start : 23-Jul-101 05:33:04 pm End : 23-Jul-101 05:42:22 pm
HYUNDAI/TX-21B/10;1880.00MHz;W;Helical/Out;
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/40.400/1.620

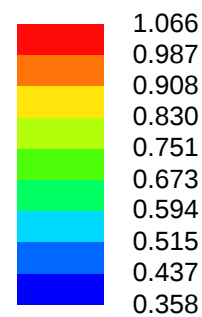
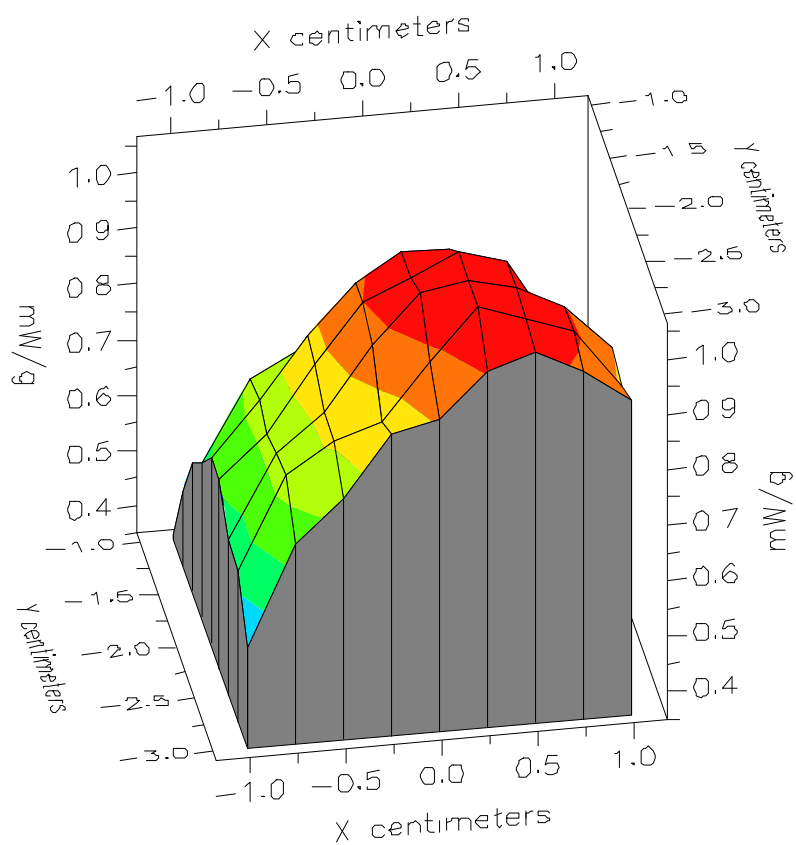


File : 01072330_ZOOM

Start : 23-Jul-101 05:33:04 pm End : 23-Jul-101 05:42:22 pm

HYUNDAI/TX-21B/10;1880.00MHz;W;Helical/Out;

Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/40.400/1.620

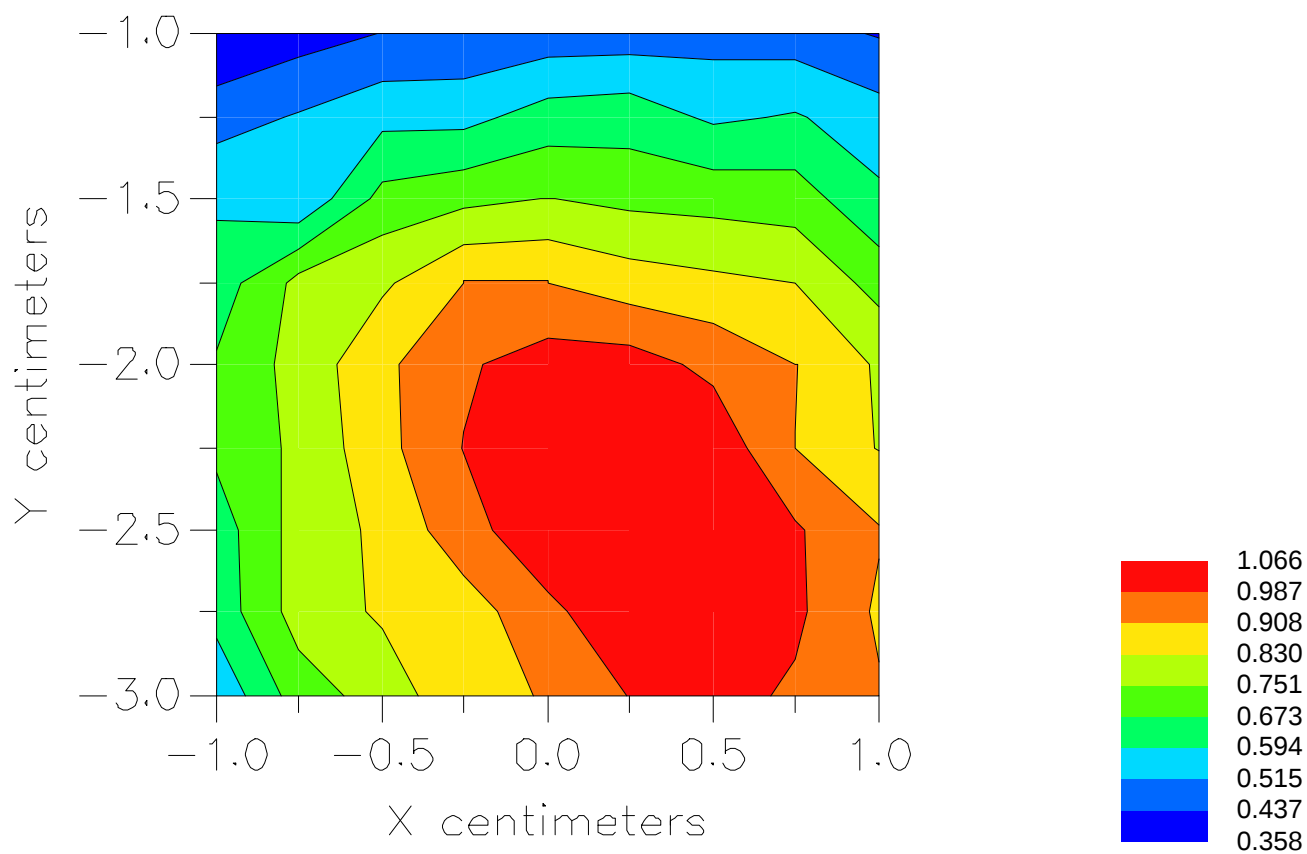


File : 01072330_ZOOM

Start : 23-Jul-101 05:33:04 pm End : 23-Jul-101 05:42:22 pm

HYUNDAI/TX-21B/10;1880.00MHz;W;Helical/Out;

Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/40.400/1.620



File : c:/idx3/SYSTEM/SARMEAS3/data/Normal/01072328_ZOOM.VLT
Start : 23-Jul-101 05:09:49 pm End : 23-Jul-101 05:19:07 pm

Radio Type : HYUNDAI
Model Number : TX-21B
Serial Number : 10
Frequency : 1908.75 MHz
Peak Trans. Pwr : 0.280 W
Start Trans. Pwr : 0.280 W
Antenna Type : Helical
Antenna Posn. : In
Phantom Type : Head
Phantom Posn. : Left Ear
Scan Type : ZOOM/SAR
Probe Name : PCTEST
Field Type : E Field
Orientation : 0 Degrees

Mixture Type = Brain
Mixture Dielectric Constant = 40.400
Mixture Conductivity = 1.620

Comment :
HYUNDAI TRI-MODE PHONE - PCS MODE
CH 1175 24.5 dBm Conducted
HYUNDAI TRI-MODE PHONE

Robot : PCTEST

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

PCTEST Amplifier Channel Settings : 0.245 0.231 0.224

Max Location : X = 0.250, Y = -2.500, Z = 0.000 (cm) Value = 9.138

Measured Values (volts) =
8.862E-003 6.783E-003 5.192E-003 4.056E-003 3.383E-003 2.775E-003
2.339E-003 2.056E-003 1.792E-003 1.572E-003 1.455E-003 1.403E-003
1.320E-003 1.323E-003 1.262E-003 1.292E-003 1.228E-003 1.229E-003
1.173E-003 1.209E-003 1.228E-003

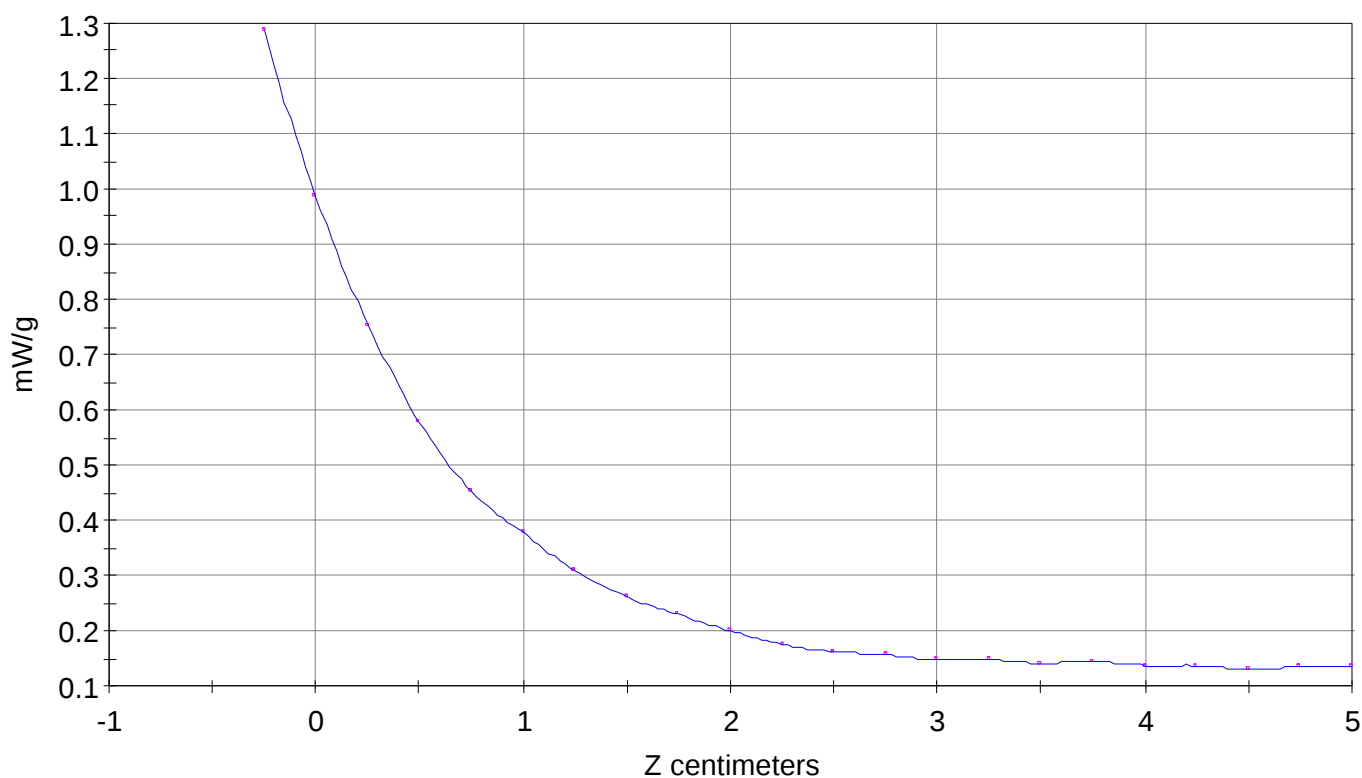
Calc. Voltage @ Surface (Vs) = 0.0116

Voltage @ 1.00 cm (Vt) = 0.0041

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

Ave. SAR over 1 g (mW/g) = 0.8693

SAR Scan
File : 01072328_ZOOM
Start : 23-Jul-101 05:09:49 pm End : 23-Jul-101 05:19:07 pm
HYUNDAI/TX-21B/10;1908.75MHz;W;Helical/In;
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/40.400/1.620

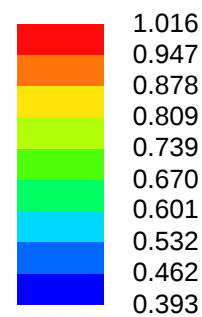
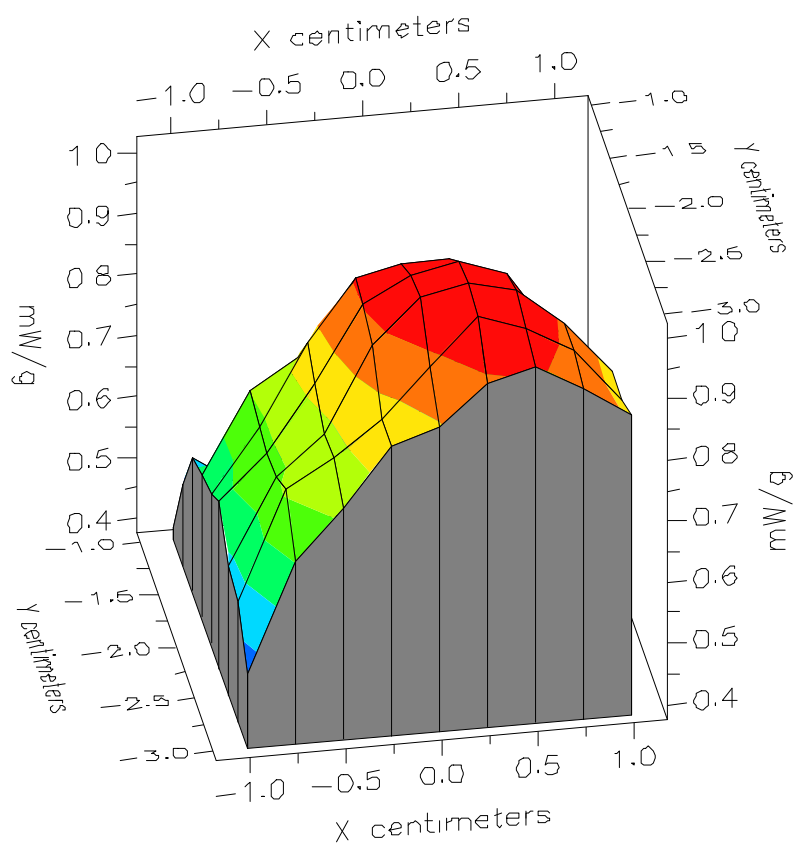


File : 01072328_ZOOM

Start : 23-Jul-101 05:09:49 pm End : 23-Jul-101 05:19:07 pm

HYUNDAI/TX-21B/10;1908.75MHz;W;Helical/In;

Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/40.400/1.620

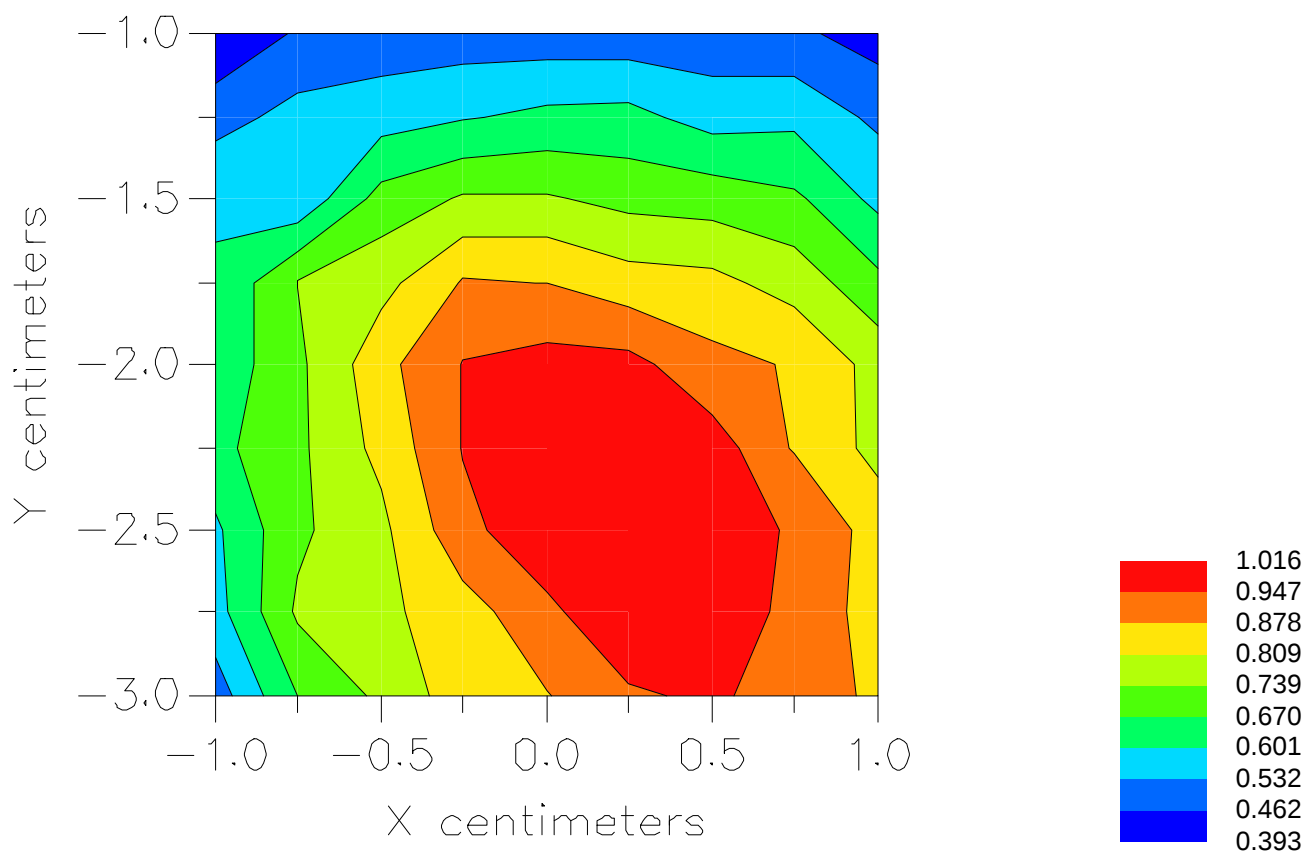


File : 01072328_ZOOM

Start : 23-Jul-101 05:09:49 pm End : 23-Jul-101 05:19:07 pm

HYUNDAI/TX-21B/10;1908.75MHz;W;Helical/In;

Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/40.400/1.620



File : c:/idx3/SYSTEM/SARMEAS3/data/Normal/01072329_ZOOM.VLT
Start : 23-Jul-101 05:21:11 pm End : 23-Jul-101 05:30:32 pm

Radio Type : HYUNDAI
Model Number : TX-21B
Serial Number : 10
Frequency : 1908.75 MHz
Peak Trans. Pwr : 0.280 W
Start Trans. Pwr: 0.280 W
Antenna Type : Helical
Antenna Posn. : Out
Phantom Type : Head
Phantom Posn. : Left Ear
Scan Type : ZOOM/SAR
Probe Name : PCTEST
Field Type : E Field
Orientation : 0 Degrees

Mixture Type = Brain
Mixture Dielectric Constant = 40.400
Mixture Conductivity = 1.620

Comment :
HYUNDAI TRI-MODE PHONE - PCS MODE
CH 1175 24.5 dBm Conducted
HYUNDAI TRI-MODE PHONE

Robot : PCTEST

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

PCTEST Amplifier Channel Settings : 0.245 0.231 0.224

Max Location : X = 0.250, Y = -2.500, Z = 0.000 (cm) Value = 8.422

Measured Values (volts) =
8.300E-003 6.133E-003 4.906E-003 3.783E-003 3.172E-003 2.556E-003
2.267E-003 1.950E-003 1.733E-003 1.550E-003 1.450E-003 1.393E-003
1.360E-003 1.269E-003 1.292E-003 1.249E-003 1.248E-003 1.191E-003
1.183E-003 1.238E-003 1.270E-003

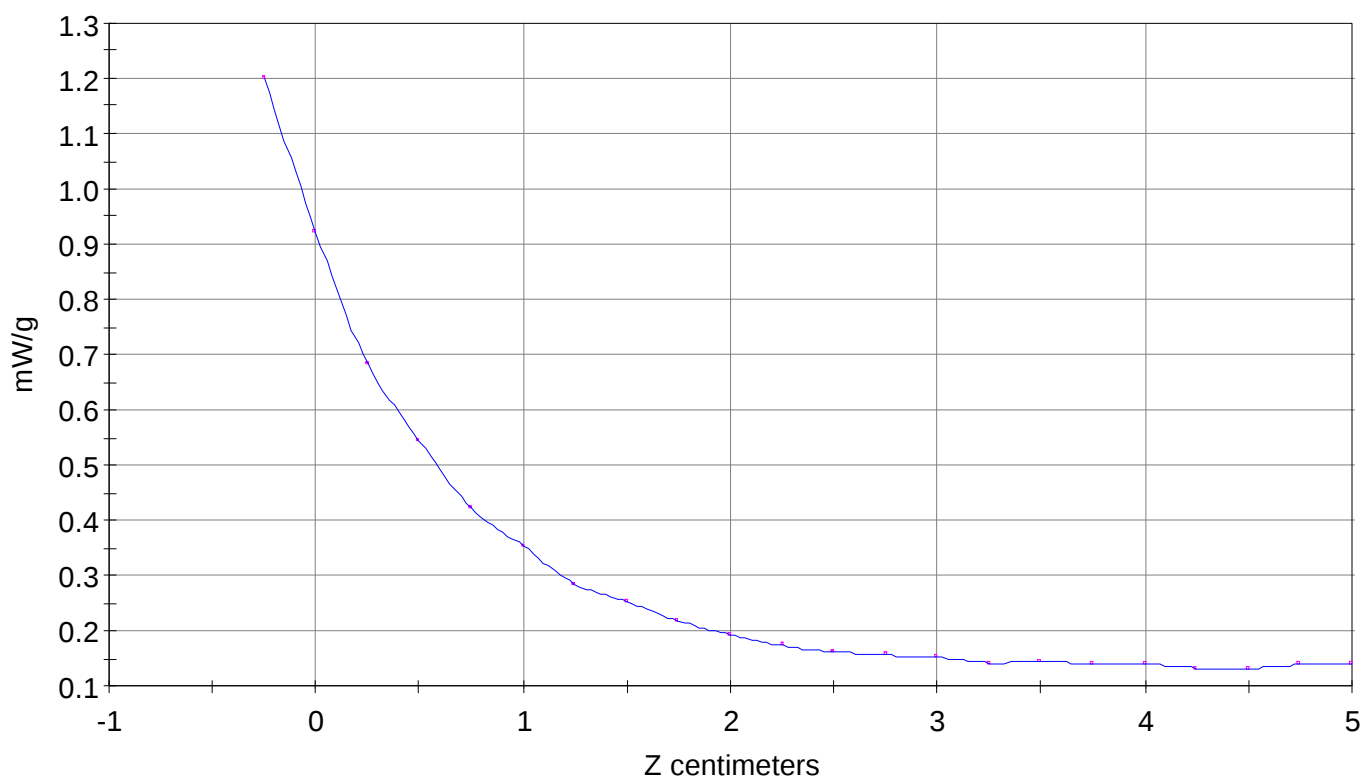
Calc. Voltage @ Surface (Vs) = 0.0108

Voltage @ 1.00 cm (Vt) = 0.0038

Ave. Voltage (Vs+Vt)/2 = 0.0073

Ave. SAR over 1 g (mW/g) = 0.8111

SAR Scan
File : 01072329_ZOOM
Start : 23-Jul-101 05:21:11 pm End : 23-Jul-101 05:30:32 pm
HYUNDAI/TX-21B/10;1908.75MHz;W;Helical/Out;
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/40.400/1.620

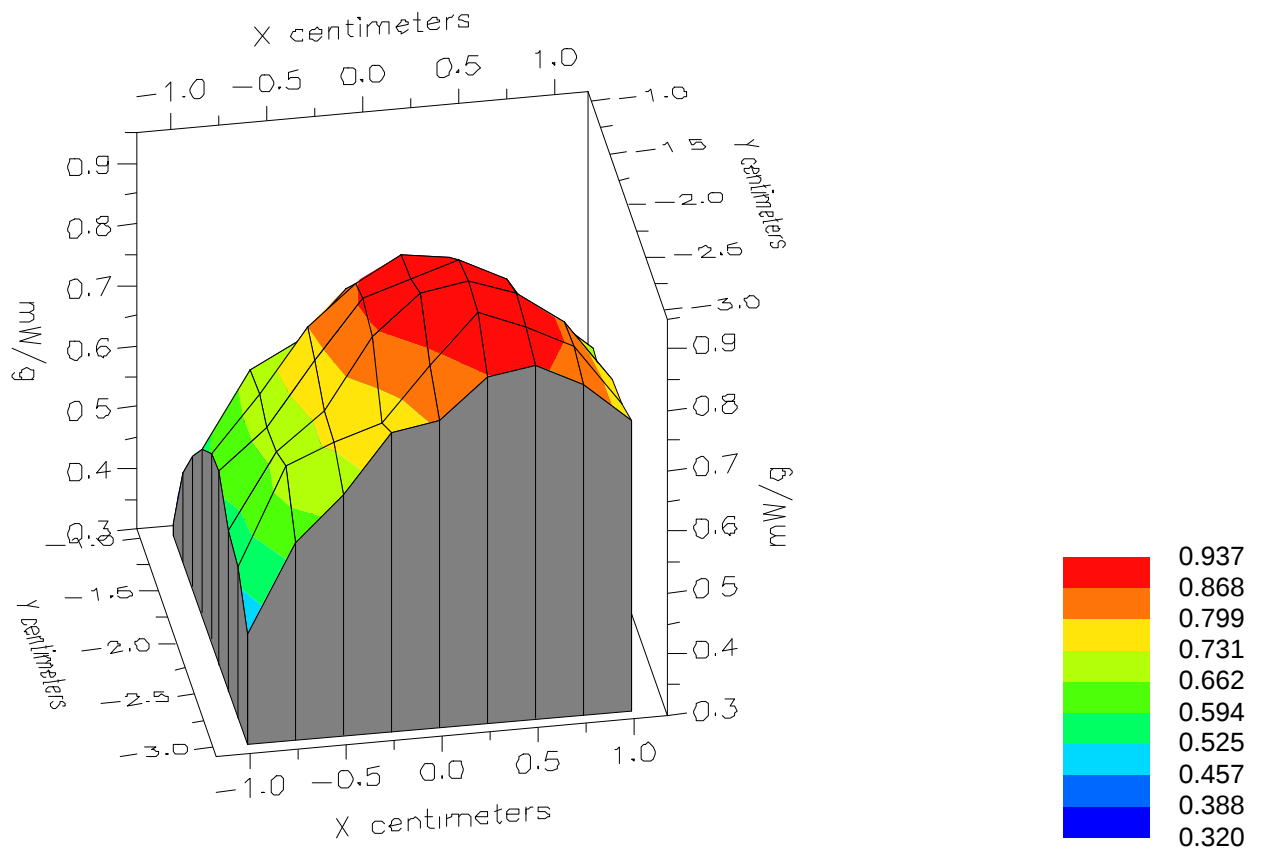


File : 01072329_ZOOM

Start : 23-Jul-101 05:21:11 pm End : 23-Jul-101 05:30:32 pm

HYUNDAI/TX-21B/10;1908.75MHz;W;Helical/Out;

Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/40.400/1.620

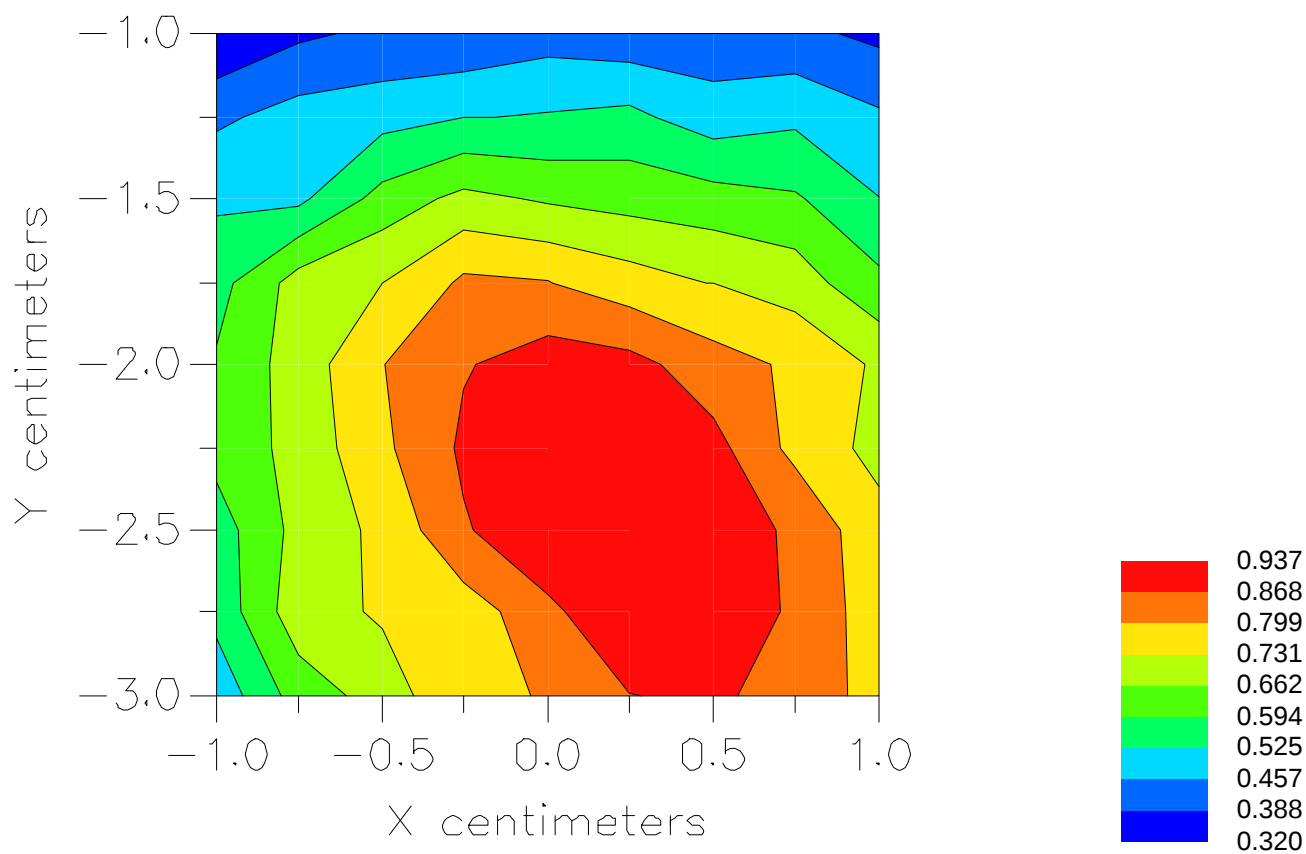


File : 01072329_ZOOM

Start : 23-Jul-101 05:21:11 pm End : 23-Jul-101 05:30:32 pm

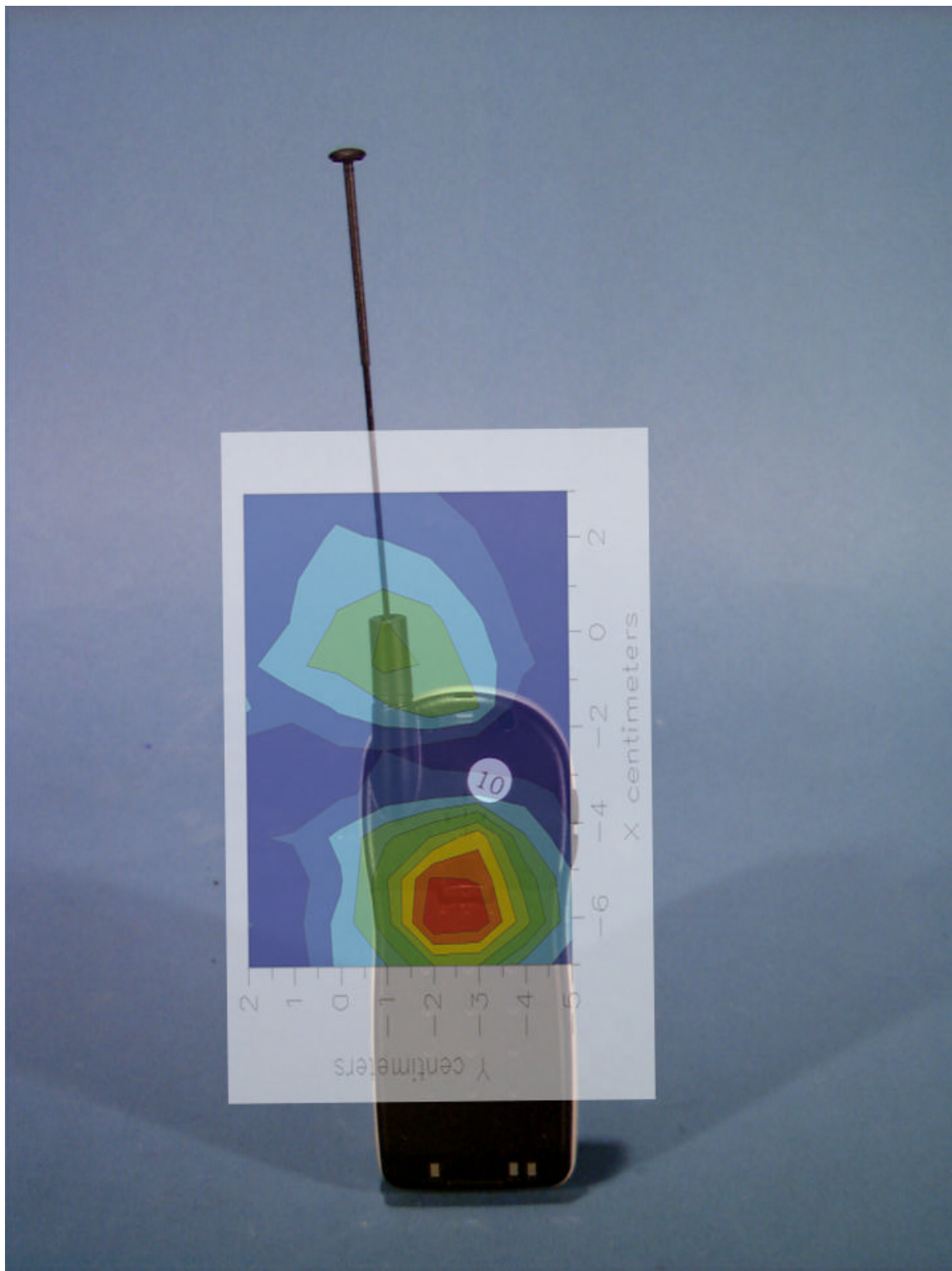
HYUNDAI/TX-21B/10;1908.75MHz;W;Helical/Out;

Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/40.400/1.620

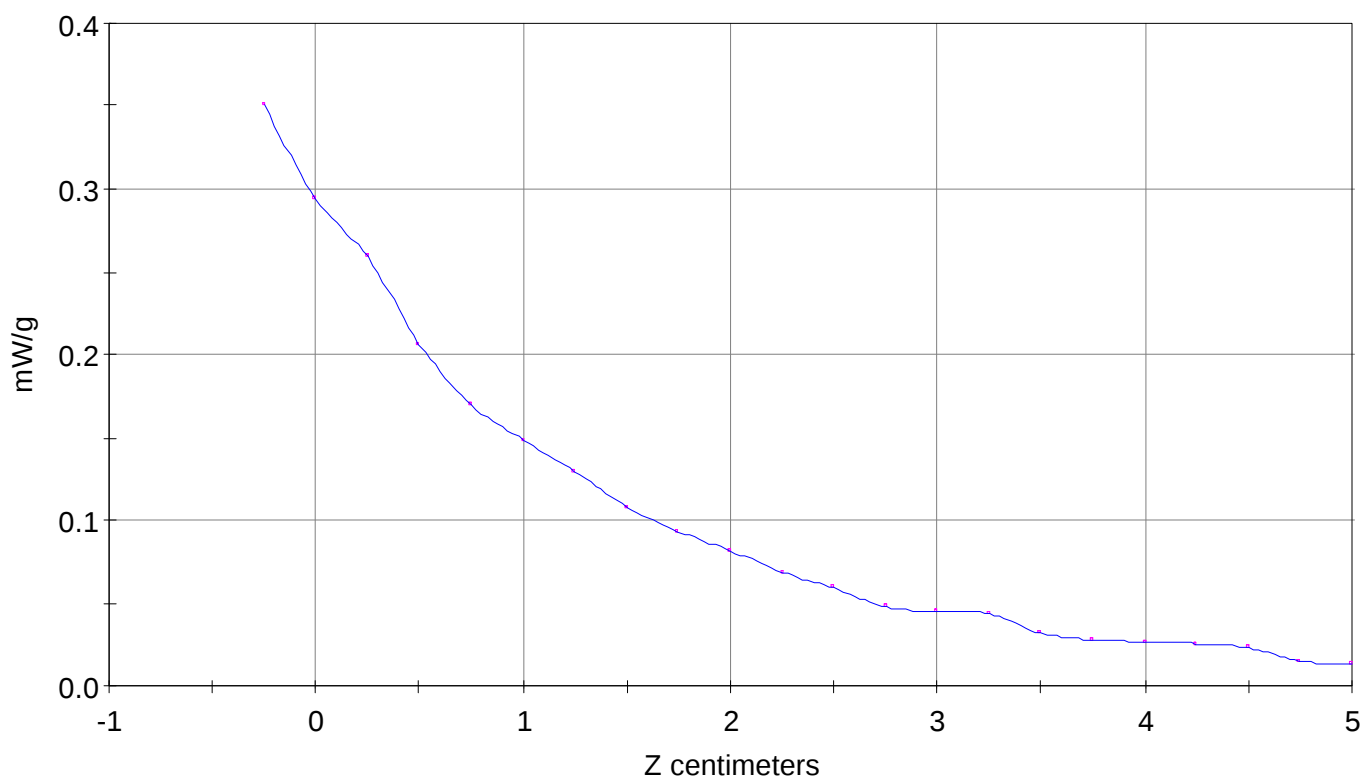


Peak SAR Location

1800 MHz Body SAR



SAR Scan
File : 01072420_ZOOM
Start : 24-Jul-101 03:07:19 pm End : 24-Jul-101 03:15:32 pm
HYUNDAI/TX-21B/10;1851.25MHz;W;Helical/In;
Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 DegreesMuscle/54.200/1.450

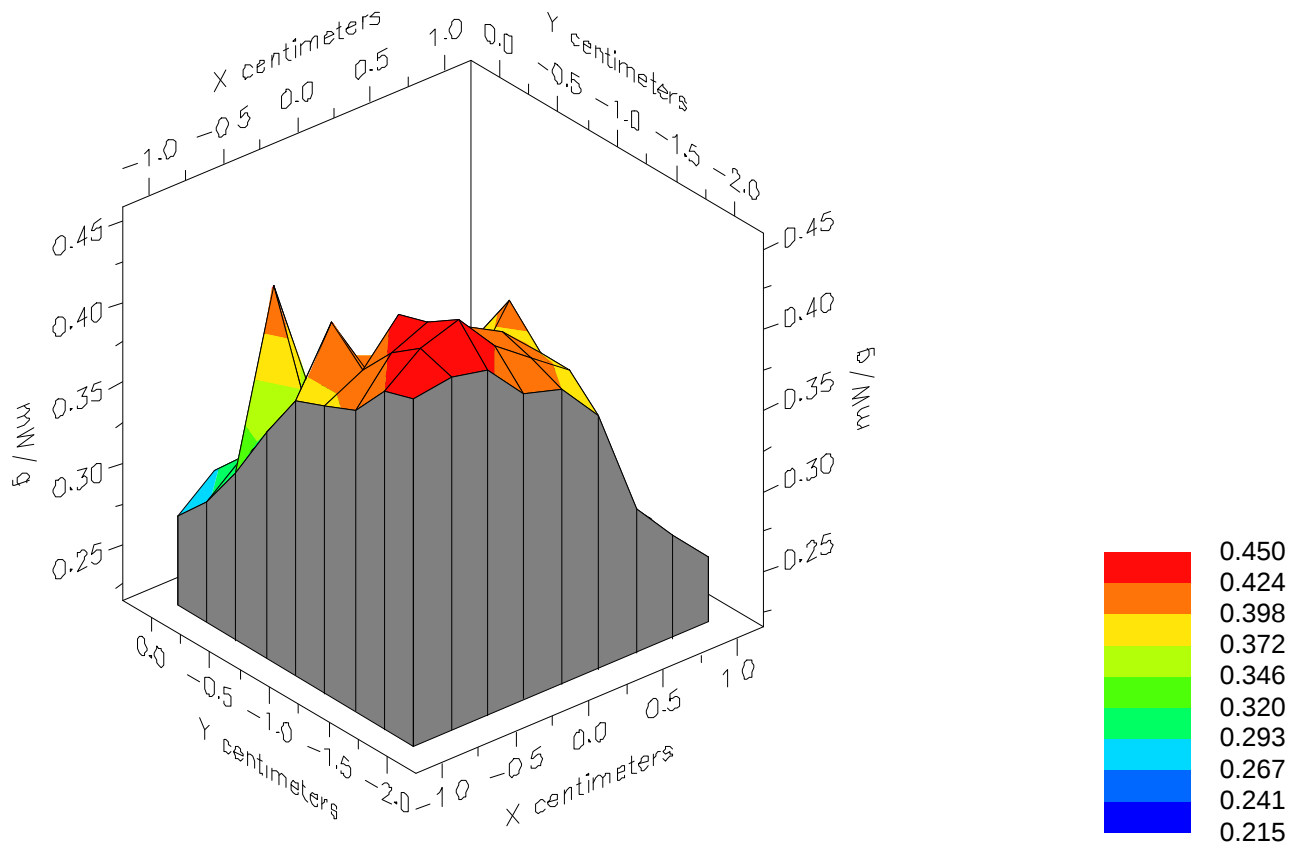


File : 01072420_ZOOM

Start : 24-Jul-101 03:07:19 pm End : 24-Jul-101 03:15:32 pm

HYUNDAI/TX-21B/10;1851.25MHz;W;Helical/In;

Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 DegreesMuscle/54.200/1.450

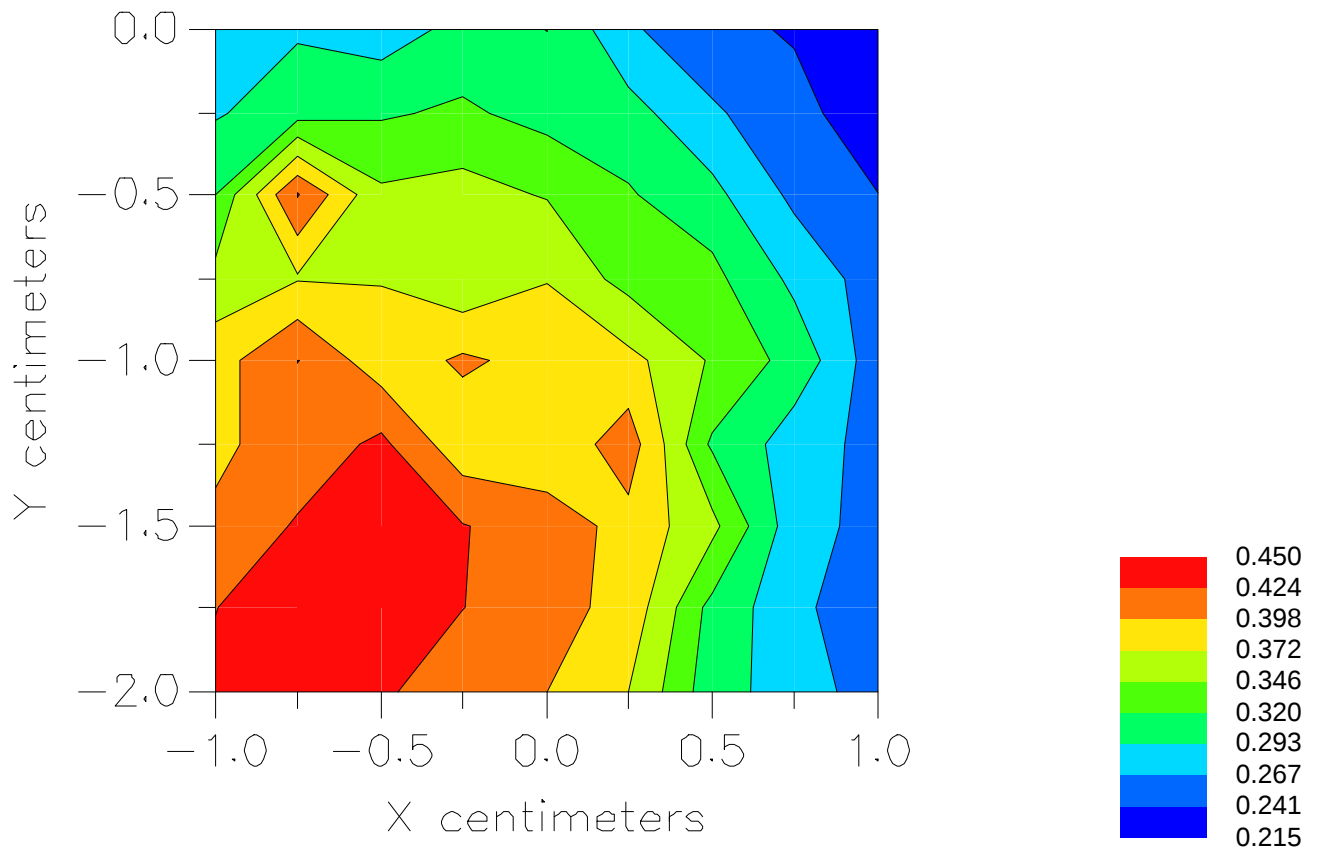


File : 01072420_ZOOM

Start : 24-Jul-101 03:07:19 pm End : 24-Jul-101 03:15:32 pm

HYUNDAI/TX-21B/10;1851.25MHz;W;Helical/In;

Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 DegreesMuscle/54.200/1.450



File : c:/idx3/SYSTEM/SARMEAS3/data/Normal/01072427_ZOOM.VLT
Start : 24-Jul-101 04:12:39 pm End : 24-Jul-101 04:23:09 pm

Radio Type : HYUNDAI
Model Number : TX-21B
Serial Number : 10
Frequency : 1851.25 MHz
Peak Trans. Pwr : 0.280 W
Start Trans. Pwr: 0.280 W
Antenna Type : Helical
Antenna Posn. : Out
Phantom Type : Body
Phantom Posn. : Abdomen
Scan Type : ZOOM/SAR
Probe Name : PCTEST
Field Type : E Field
Orientation : 0 Degrees

Mixture Type = Muscle
Mixture Dielectric Constant = 54.200
Mixture Conductivity = 1.450

Comment :
HYUNDAI TRI-MODE PHONE - PCS MODE
CH 0025 24.5 dBm Conducted
HYUNDAI TRI-MODE PHONE - BODY SAR

Robot : PCTEST

Probe Offset = 0.25 cm
Sensor Factor = 0.0108
Conversion Factor = 1.378

PCTEST Amplifier Channel Settings : 0.245 0.231 0.224

Max Location : X = -6.000, Y = -2.750, Z = 0.000 (cm) Value = 5.628

Measured Values (volts) =
5.336E-003 4.198E-003 3.337E-003 2.731E-003 2.406E-003 2.034E-003
1.645E-003 1.436E-003 1.343E-003 1.179E-003 1.015E-003 8.820E-004
8.935E-004 8.591E-004 7.641E-004 6.601E-004 6.689E-004 8.213E-004
8.167E-004 8.183E-004 6.051E-004

Calc. Voltage @ Surface (Vs) = 0.0067

Voltage @ 1.00 cm (Vt) = 0.0027

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

Ave. SAR over 1 g (mW/g) = 0.6048

File : c:/idx3/SYSTEM/SARMEAS3/data/Normal/01072420_ZOOM.VLT
Start : 24-Jul-101 03:07:19 pm End : 24-Jul-101 03:15:32 pm

Radio Type : HYUNDAI
Model Number : TX-21B
Serial Number : 10
Frequency : 1851.25 MHz
Peak Trans. Pwr : 0.280 W
Start Trans. Pwr: 0.280 W
Antenna Type : Helical
Antenna Posn. : In
Phantom Type : Body
Phantom Posn. : Abdomen
Scan Type : ZOOM/SAR
Probe Name : PCTEST
Field Type : E Field
Orientation : 0 Degrees

Mixture Type = Muscle
Mixture Dielectric Constant = 54.200
Mixture Conductivity = 1.450

Comment :
HYUNDAI TRI-MODE PHONE - PCS MODE
CH 0025 24.5 dBm Conducted
HYUNDAI TRI-MODE PHONE - BODY SAR

Robot : PCTEST

Probe Offset = 0.25 cm
Sensor Factor = 0.0108
Conversion Factor = 1.378

PCTEST Amplifier Channel Settings : 0.245 0.231 0.224

Max Location : X = -0.500, Y = -1.750, Z = 0.000 (cm) Value = 3.5244

Measured Values (volts) =
2.303E-003 2.029E-003 1.617E-003 1.328E-003 1.163E-003 1.013E-003
8.455E-004 7.313E-004 6.390E-004 5.371E-004 4.605E-004 3.731E-004
3.508E-004 3.406E-004 2.474E-004 2.168E-004 2.080E-004 1.988E-004
1.780E-004 1.158E-004 1.062E-004

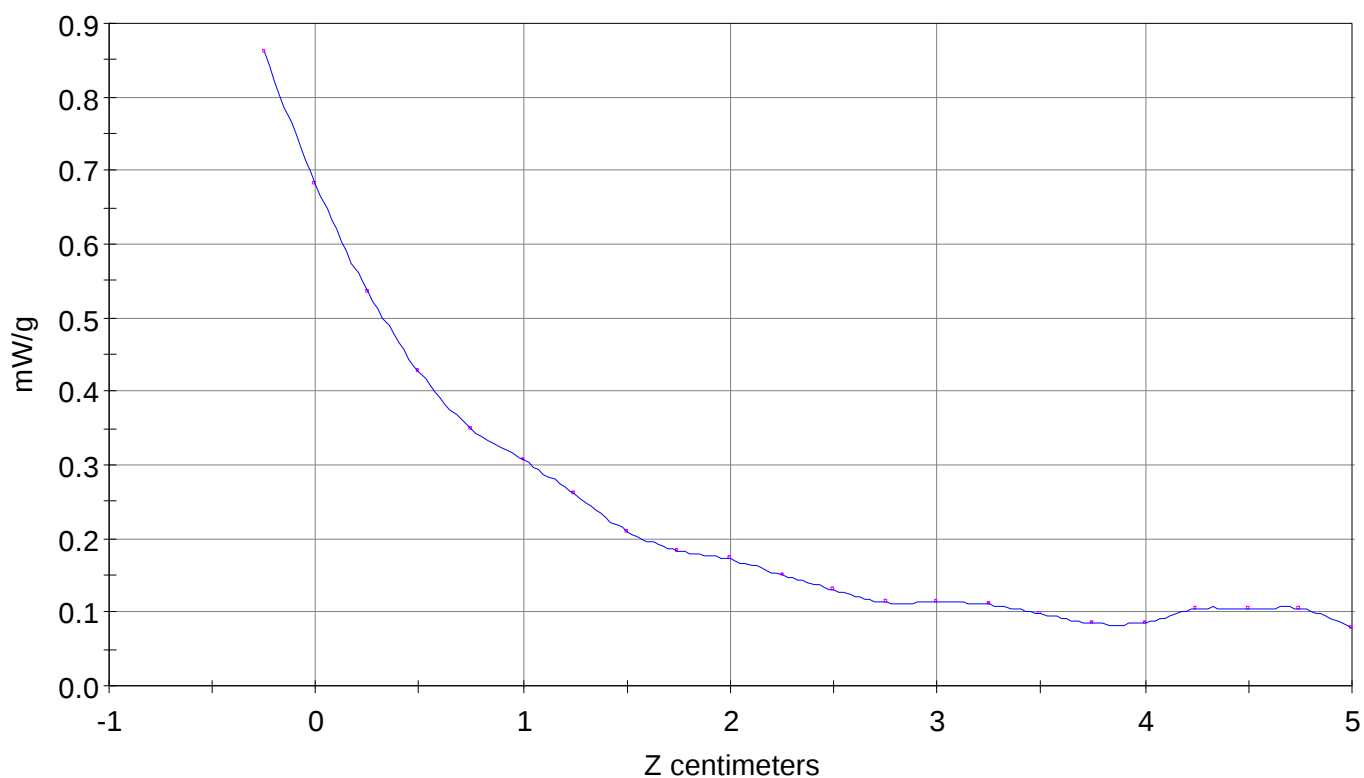
Calc. Voltage @ Surface (Vs) = 0.0028

Voltage @ 1.00 cm (Vt) = 0.0013

Ave. Voltage (Vs+Vt)/2 = 0.0020

Ave. SAR over 1 g (mW/g) = 0.2604

SAR Scan
File : 01072427_ZOOM
Start : 24-Jul-101 04:12:39 pm End : 24-Jul-101 04:23:09 pm
HYUNDAI/TX-21B/10;1851.25MHz;W;Helical/Out;
Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 DegreesMuscle/54.200/1.450

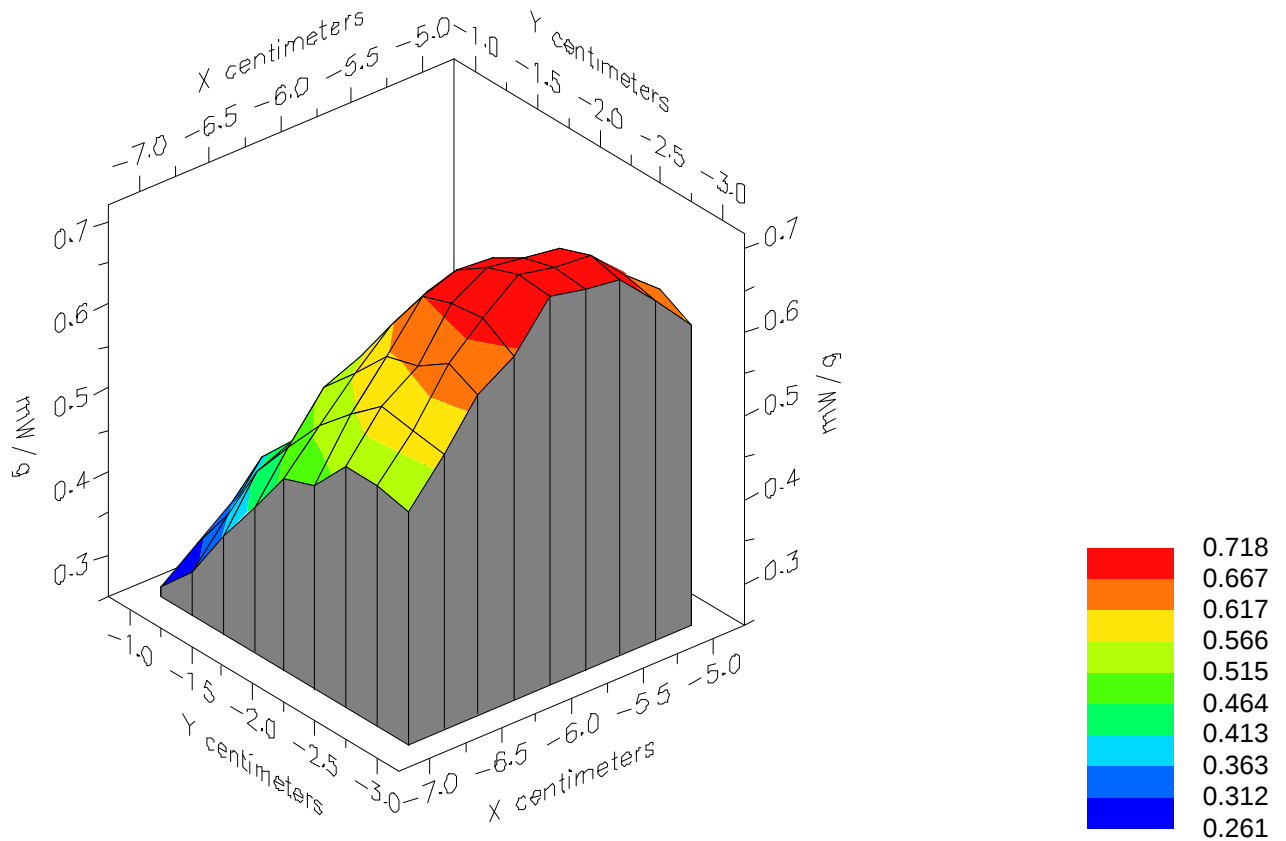


File : 01072427_ZOOM

Start : 24-Jul-101 04:12:39 pm End : 24-Jul-101 04:23:09 pm

HYUNDAI/TX-21B/10;1851.25MHz;W;Helical/Out;

Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 DegreesMuscle/54.200/1.450

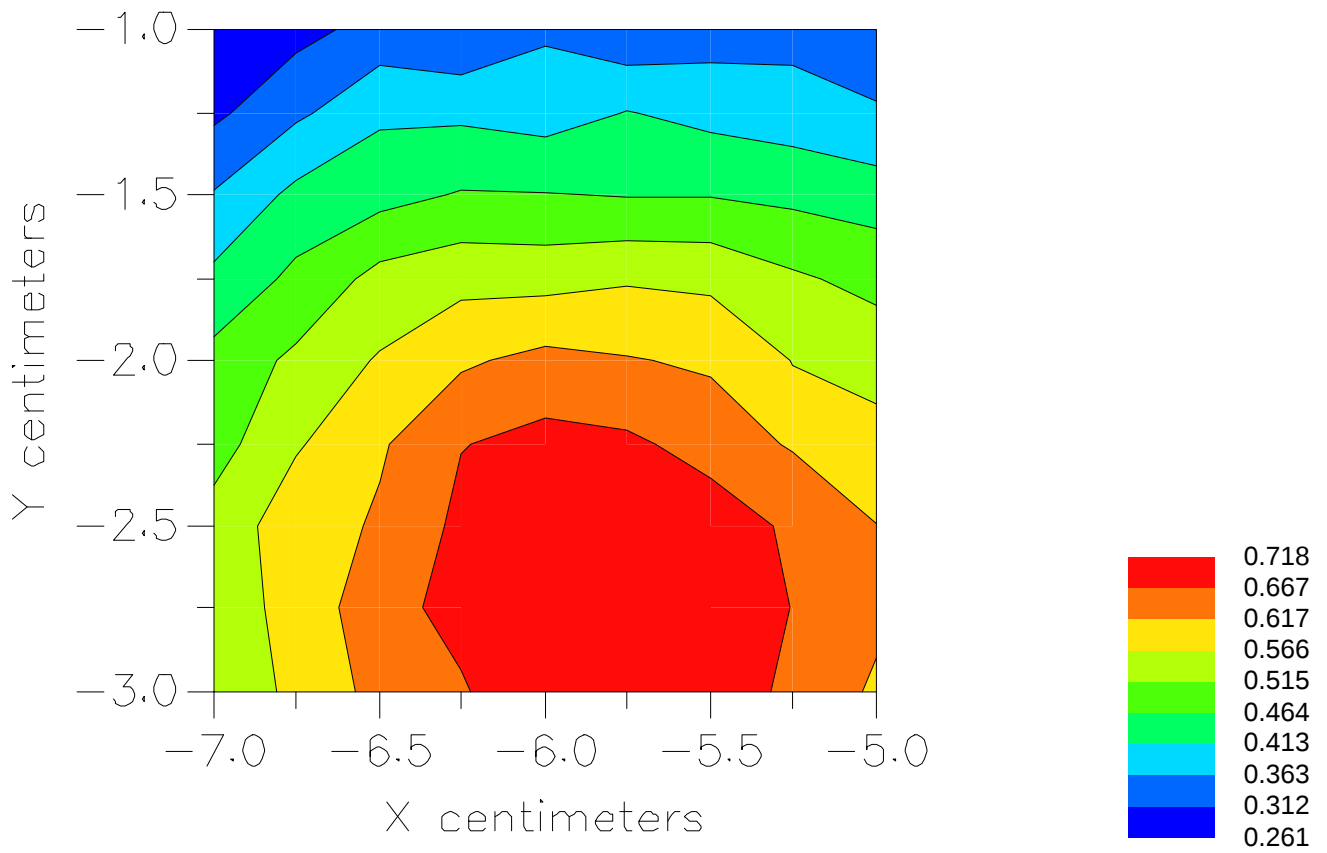


File : 01072427_ZOOM

Start : 24-Jul-101 04:12:39 pm End : 24-Jul-101 04:23:09 pm

HYUNDAI/TX-21B/10;1851.25MHz;W;Helical/Out;

Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 DegreesMuscle/54.200/1.450



File : c:/idx3/SYSTEM/SARMEAS3/data/Normal/01072418_ZOOM.VLT
Start : 24-Jul-101 02:44:16 pm End : 24-Jul-101 02:52:30 pm

Radio Type : HYUNDAI
Model Number : TX-21B
Serial Number : 10
Frequency : 1880.00 MHz
Peak Trans. Pwr : 0.280 W
Start Trans. Pwr: 0.280 W
Antenna Type : Helical
Antenna Posn. : In
Phantom Type : Body
Phantom Posn. : Abdomen
Scan Type : ZOOM/SAR
Probe Name : PCTEST
Field Type : E Field
Orientation : 0 Degrees

Mixture Type = Muscle
Mixture Dielectric Constant = 54.200
Mixture Conductivity = 1.450

Comment :
HYUNDAI TRI-MODE PHONE - PCS MODE
CH 0600 24.5 dBm Conducted
HYUNDAI TRI-MODE PHONE - BODY SAR

Robot : PCTEST

Probe Offset = 0.25 cm
Sensor Factor = 0.0108
Conversion Factor = 1.378

PCTEST Amplifier Channel Settings : 0.245 0.231 0.224

Max Location : X = 0.000, Y = -1.750, Z = 0.000 (cm) Value = 2.565

Measured Values (volts) =
1.933E-003 1.574E-003 1.191E-003 9.984E-004 8.653E-004 7.683E-004
6.570E-004 5.647E-004 4.715E-004 4.103E-004 3.034E-004 2.815E-004
2.573E-004 2.515E-004 1.985E-004 1.521E-004 1.457E-004 1.301E-004
1.124E-004 1.266E-004 7.022E-005

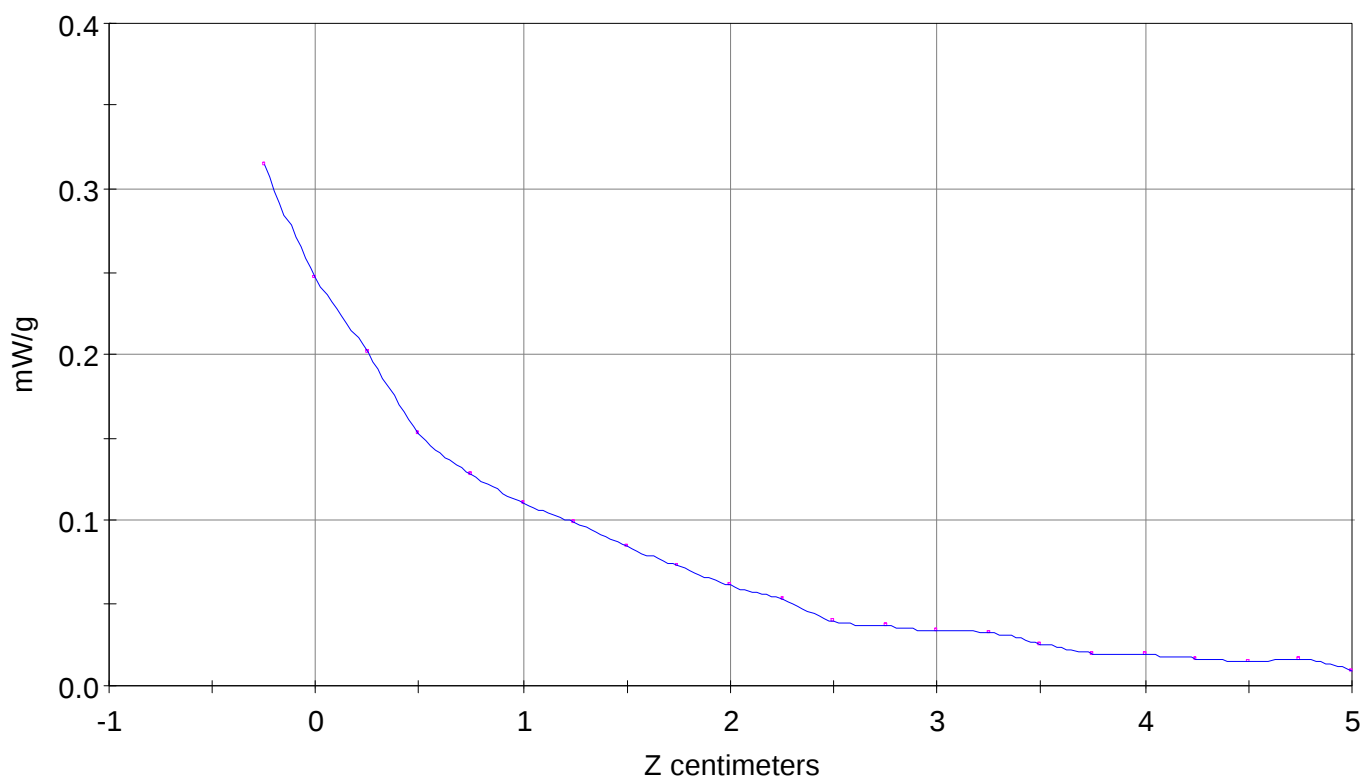
Calc. Voltage @ Surface (Vs) = 0.0025

Voltage @ 1.00 cm (Vt) = 0.0010

Ave. Voltage (Vs+Vt)/2 = 0.0017

Ave. SAR over 1 g (mW/g) = 0.2209

SAR Scan
File : 01072418_ZOOM
Start : 24-Jul-101 02:44:16 pm End : 24-Jul-101 02:52:30 pm
HYUNDAI/TX-21B/10;1880.00MHz;W;Helical/In;
Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 DegreesMuscle/54.200/1.450

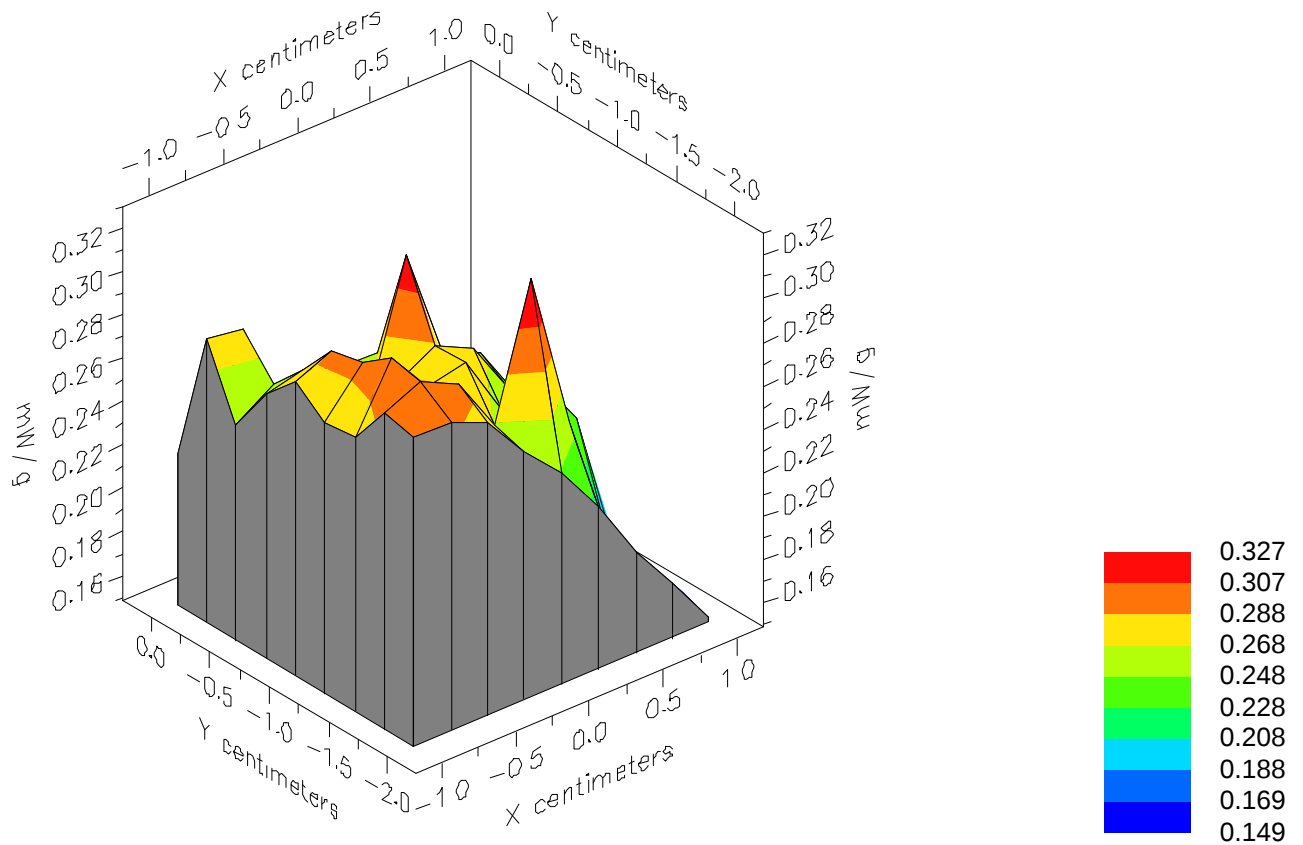


File : 01072418_ZOOM

Start : 24-Jul-101 02:44:16 pm End : 24-Jul-101 02:52:30 pm

HYUNDAI/TX-21B/10;1880.00MHz;W;Helical/In;

Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 DegreesMuscle/54.200/1.450

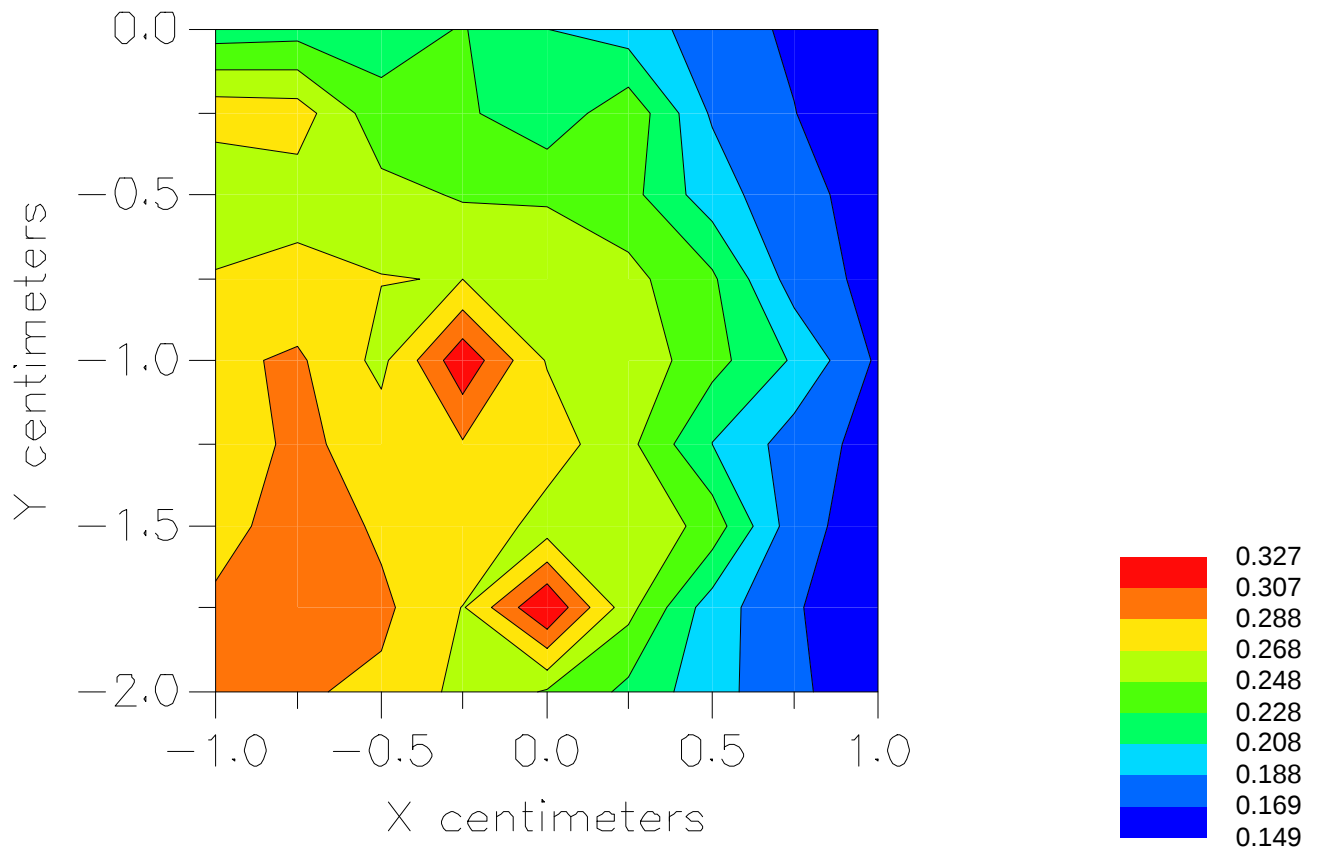


File : 01072418_ZOOM

Start : 24-Jul-101 02:44:16 pm End : 24-Jul-101 02:52:30 pm

HYUNDAI/TX-21B/10;1880.00MHz;W;Helical/In;

Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 DegreesMuscle/54.200/1.450



File : c:/idx3/SYSTEM/SARMEAS3/data/Normal/01072422_ZOOM.VLT
Start : 24-Jul-101 03:28:10 pm End : 24-Jul-101 03:38:46 pm

Radio Type : HYUNDAI
Model Number : TX-21B
Serial Number : 10
Frequency : 1880.00 MHz
Peak Trans. Pwr : 0.280 W
Start Trans. Pwr: 0.280 W
Antenna Type : Helical
Antenna Posn. : Out
Phantom Type : Body
Phantom Posn. : Abdomen
Scan Type : ZOOM/SAR
Probe Name : PCTEST
Field Type : E Field
Orientation : 0 Degrees

Mixture Type = Muscle
Mixture Dielectric Constant = 54.200
Mixture Conductivity = 1.450

Comment :
HYUNDAI TRI-MODE PHONE - PCS MODE
CH 0600 24.5 dBm Conducted
HYUNDAI TRI-MODE PHONE - BODY SAR

Robot : PCTEST

Probe Offset = 0.25 cm
Sensor Factor = 0.0108
Conversion Factor = 1.378

PCTEST Amplifier Channel Settings : 0.245 0.231 0.224

Max Location : X = -5.500, Y = -2.500, Z = 0.000 (cm) Value = 3.852

Measured Values (volts) =
3.475E-003 2.630E-003 2.040E-003 1.595E-003 1.384E-003 1.237E-003
9.514E-004 7.484E-004 7.512E-004 5.753E-004 4.731E-004 3.723E-004
4.071E-004 3.017E-004 3.003E-004 6.690E-004 1.110E-004 3.979E-004
2.002E-004 2.347E-004 1.938E-004

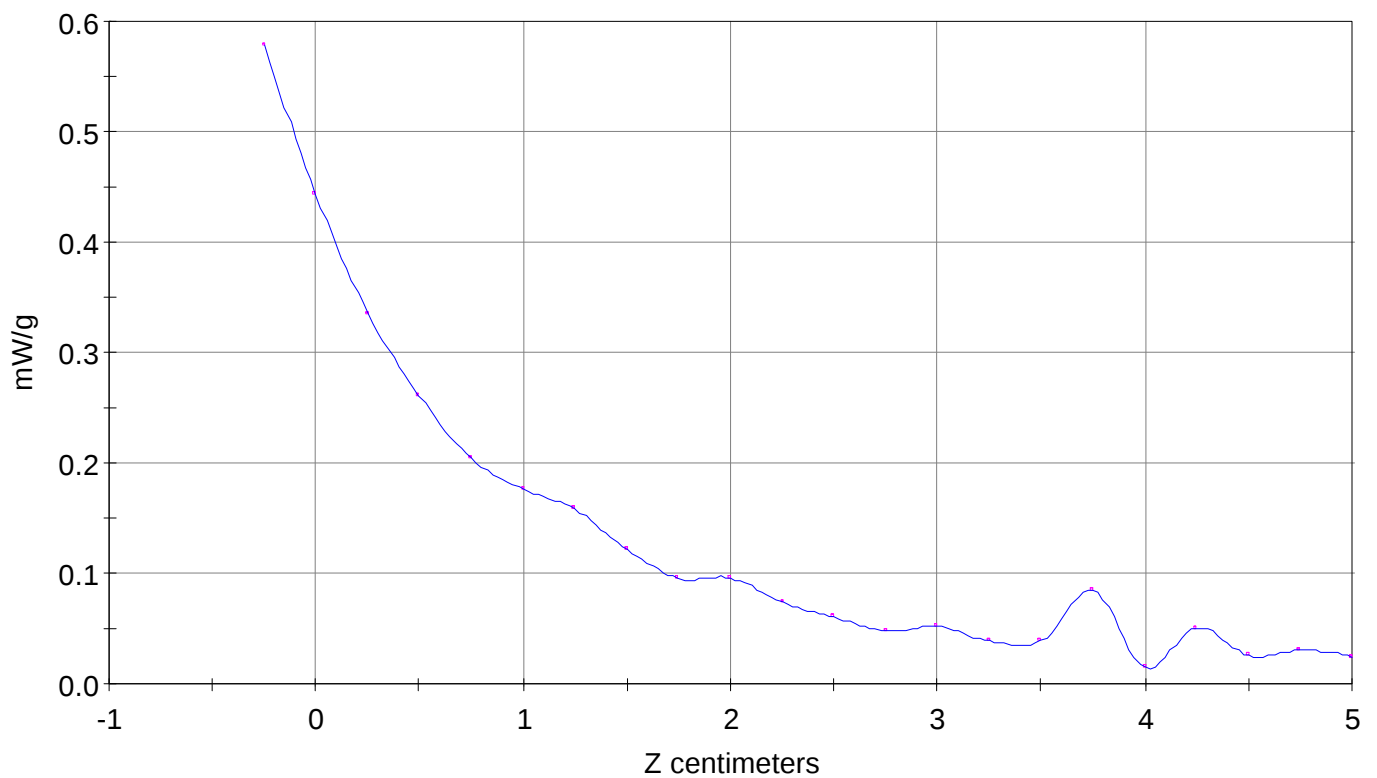
Calc. Voltage @ Surface (Vs) = 0.0045

Voltage @ 1.00 cm (Vt) = 0.0016

Ave. Voltage (Vs+Vt)/2 = 0.0031

Ave. SAR over 1 g (mW/g) = 0.3911

SAR Scan
File : 01072422_ZOOM
Start : 24-Jul-101 03:28:10 pm End : 24-Jul-101 03:38:46 pm
HYUNDAI/TX-21B/10;1880.00MHz;W;Helical/Out;
Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 DegreesMuscle/54.200/1.450

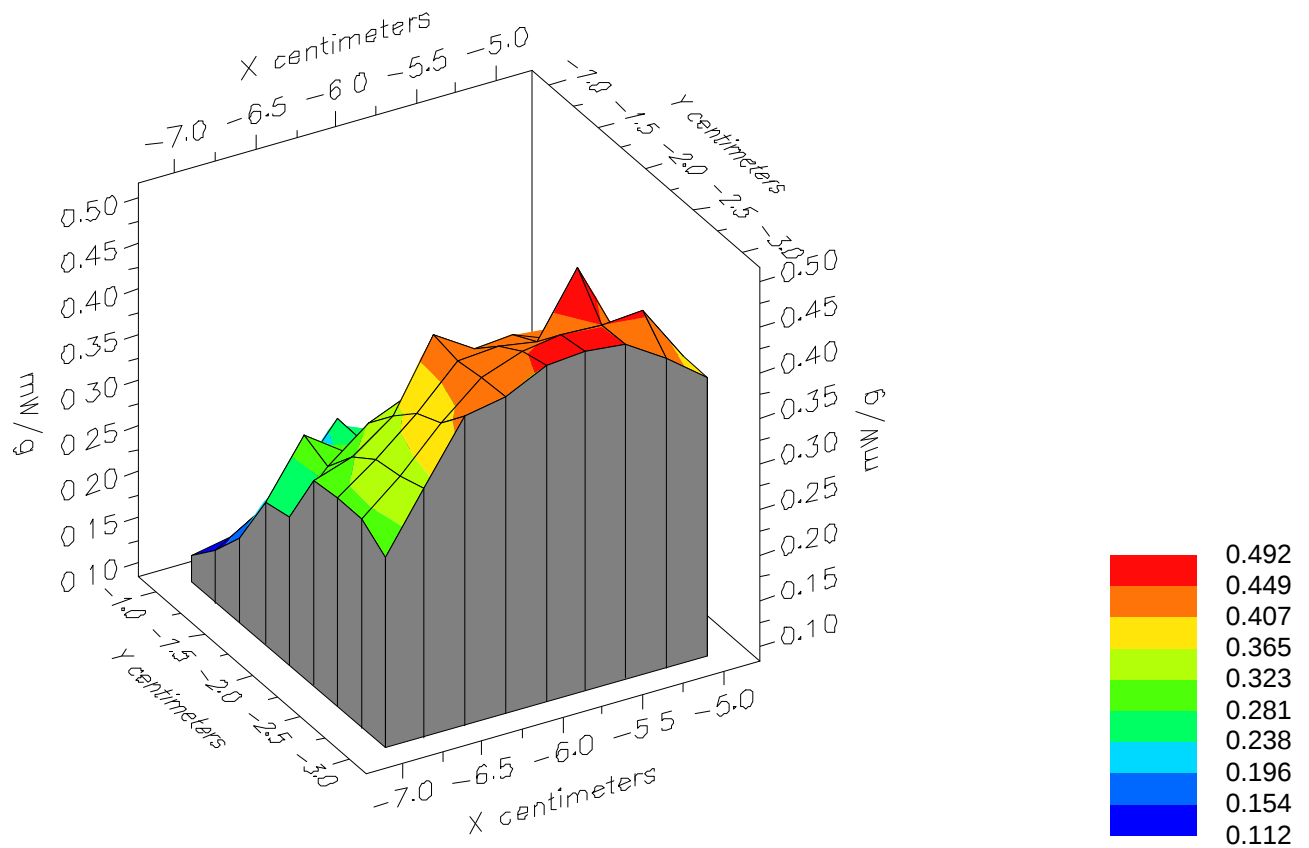


File : 01072422_ZOOM

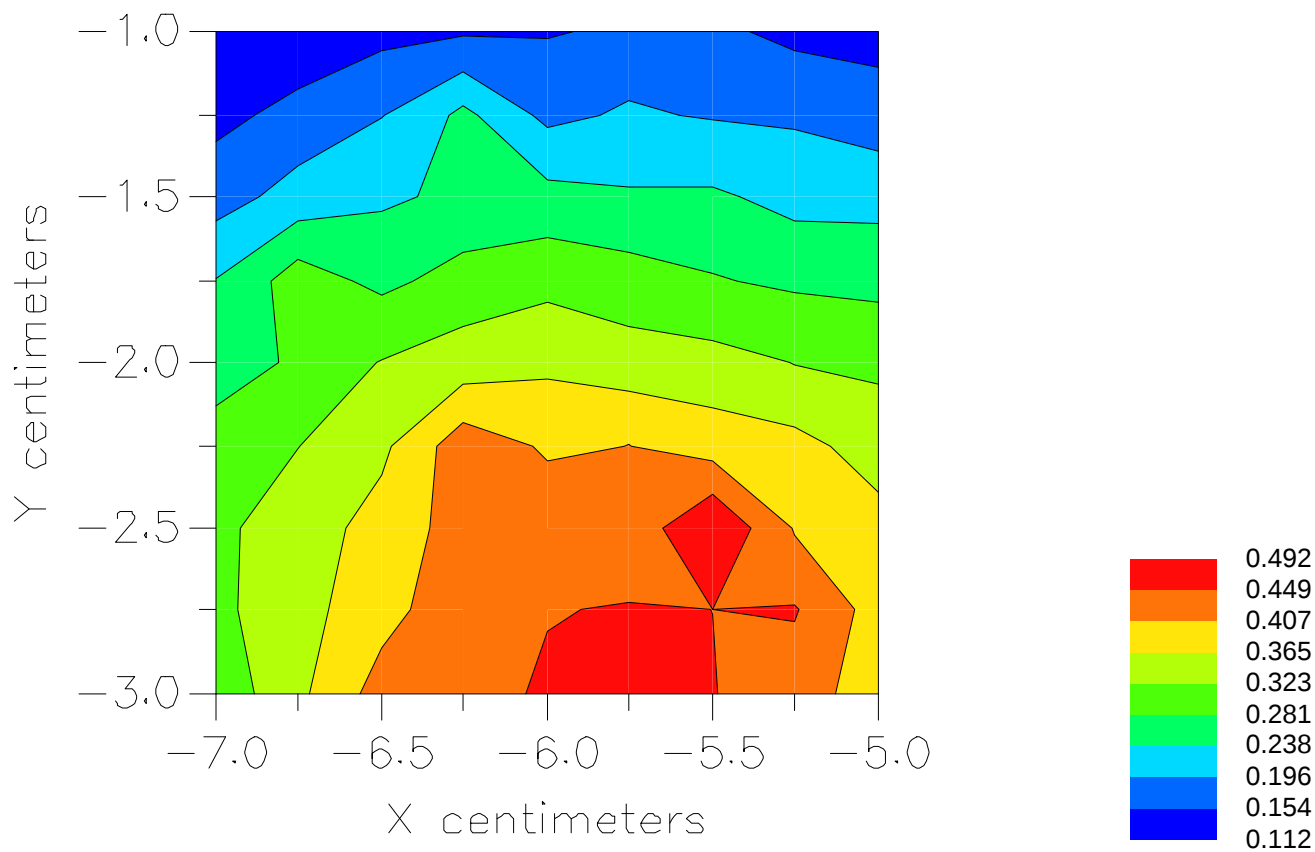
Start : 24-Jul-101 03:28:10 pm End : 24-Jul-101 03:38:46 pm

HYUNDAI/TX-21B/10;1880.00MHz;W;Helical/Out;

Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 DegreesMuscle/54.200/1.450



File : 01072422_ZOOM
Start : 24-Jul-101 03:28:10 pm End : 24-Jul-101 03:38:46 pm
HYUNDAI/TX-21B/10;1880.00MHz;W;Helical/Out;
Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 DegreesMuscle/54.200/1.450



File : c:/idx3/SYSTEM/SARMEAS3/data/Normal/01072426_ZOOM.VLT
Start : 24-Jul-101 03:57:06 pm End : 24-Jul-101 04:09:35 pm

Radio Type : HYUNDAI
Model Number : TX-21B
Serial Number : 10
Frequency : 1908.75 MHz
Peak Trans. Pwr : 0.280 W
Start Trans. Pwr: 0.280 W
Antenna Type : Helical
Antenna Posn. : In
Phantom Type : Body
Phantom Posn. : Abdomen
Scan Type : ZOOM/SAR
Probe Name : PCTEST
Field Type : E Field
Orientation : 0 Degrees

Mixture Type = Muscle
Mixture Dielectric Constant = 54.200
Mixture Conductivity = 1.450

Comment :
HYUNDAI TRI-MODE PHONE - PCS MODE
CH 1175 24.5 dBm Conducted
HYUNDAI TRI-MODE PHONE - BODY SAR

Robot : PCTEST

Probe Offset = 0.25 cm
Sensor Factor = 0.0108
Conversion Factor = 1.378

PCTEST Amplifier Channel Settings : 0.245 0.231 0.224

Max Location : X = -0.750, Y = -1.000, Z = 0.000 (cm) Value = 3.917

Measured Values (volts) =
2.694E-003 2.307E-003 1.917E-003 1.713E-003 1.519E-003 1.366E-003
1.180E-003 1.115E-003 1.049E-003 8.952E-004 8.002E-004 7.902E-004
7.436E-004 7.014E-004 6.887E-004 6.142E-004 6.769E-004 6.298E-004
6.373E-004 5.855E-004 5.744E-004

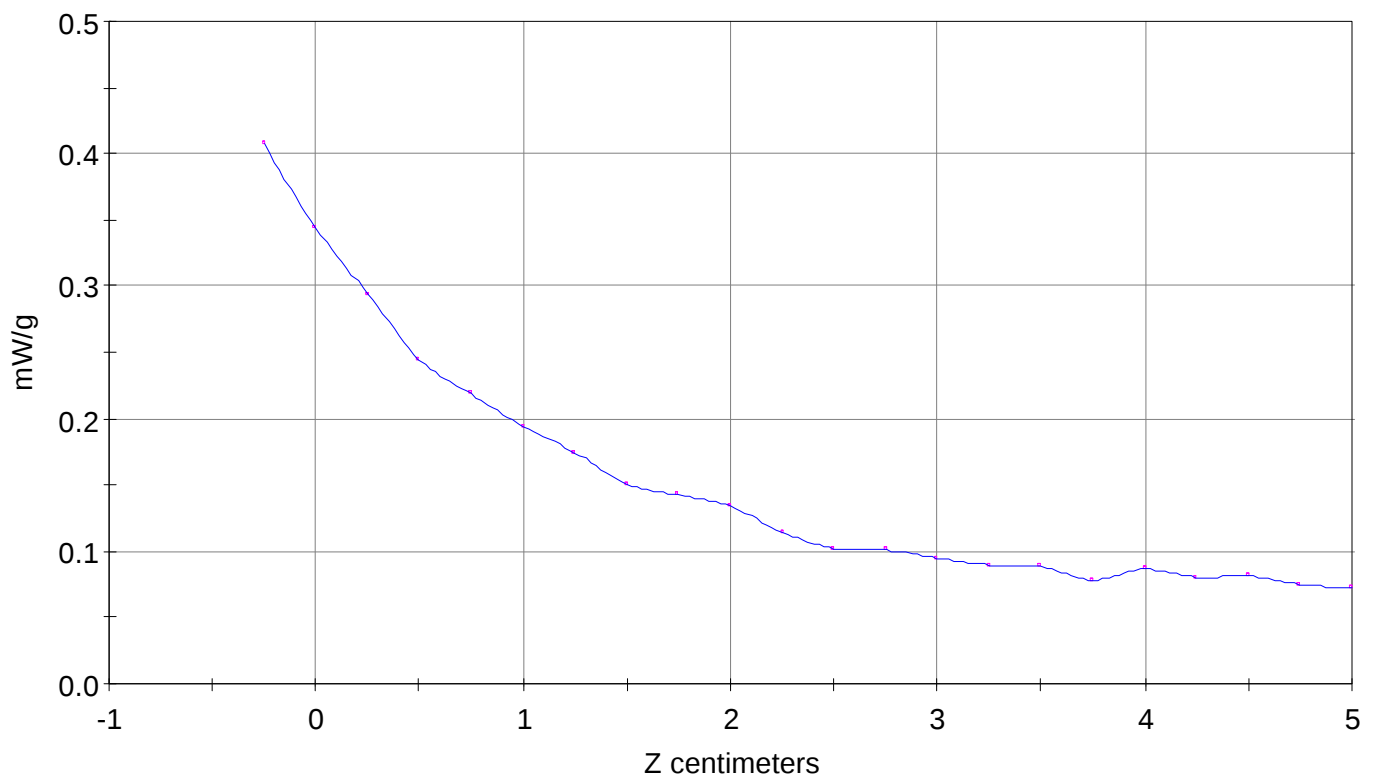
Calc. Voltage @ Surface (Vs) = 0.0032

Voltage @ 1.00 cm (Vt) = 0.0017

Ave. Voltage (Vs+Vt)/2 = 0.0025

Ave. SAR over 1 g (mW/g) = 0.3130

SAR Scan
File : 01072426_ZOOM
Start : 24-Jul-10 03:57:06 pm End : 24-Jul-10 04:09:35 pm
HYUNDAI/TX-21B/10;1908.75MHz;W;Helical/In;
Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 Degrees Muscle/54.200/1.450

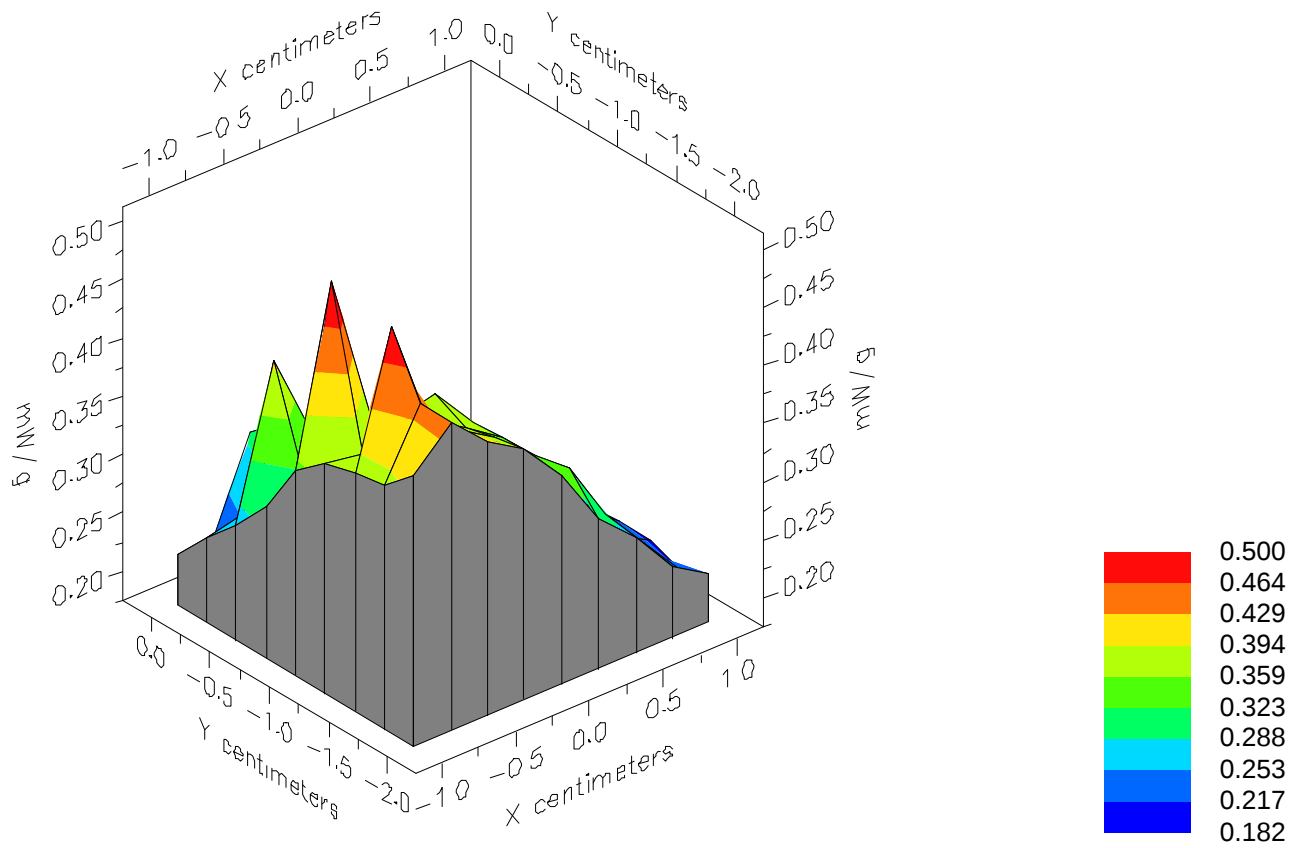


File : 01072426_ZOOM

Start : 24-Jul-101 03:57:06 pm End : 24-Jul-101 04:09:35 pm

HYUNDAI/TX-21B/10;1908.75MHz;W;Helical/In;

Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 DegreesMuscle/54.200/1.450

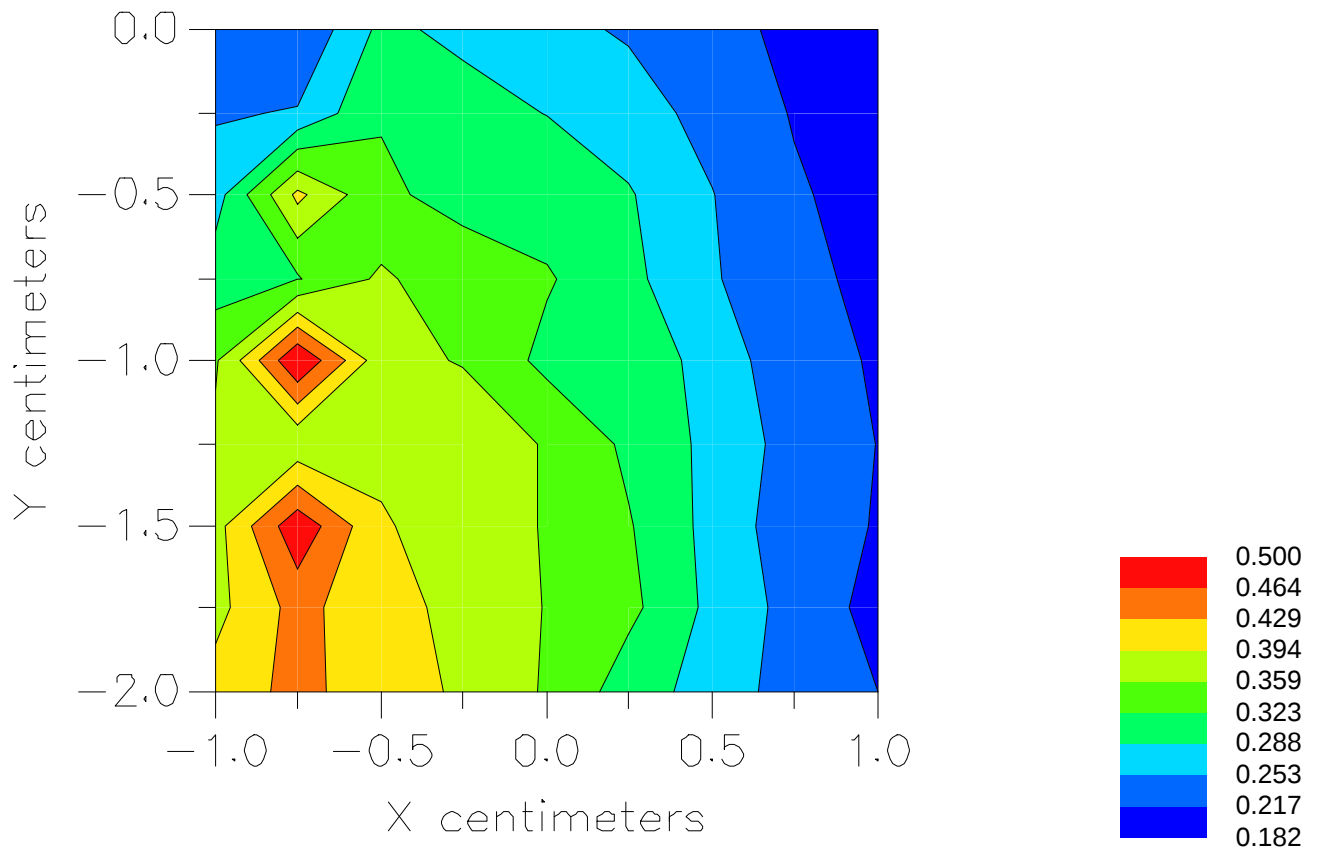


File : 01072426_ZOOM

Start : 24-Jul-101 03:57:06 pm End : 24-Jul-101 04:09:35 pm

HYUNDAI/TX-21B/10;1908.75MHz;W;Helical/In;

Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 DegreesMuscle/54.200/1.450



File : c:/idx3/SYSTEM/SARMEAS3/data/Normal/01072424_ZOOM.VLT
Start : 24-Jul-101 03:44:06 pm End : 24-Jul-101 03:51:51 pm

Radio Type : HYUNDAI
Model Number : TX-21B
Serial Number : 10
Frequency : 1908.75 MHz
Peak Trans. Pwr : 0.280 W
Start Trans. Pwr: 0.280 W
Antenna Type : Helical
Antenna Posn. : Out
Phantom Type : Body
Phantom Posn. : Abdomen
Scan Type : ZOOM/SAR
Probe Name : PCTEST
Field Type : E Field
Orientation : 0 Degrees

Mixture Type = Muscle
Mixture Dielectric Constant = 54.200
Mixture Conductivity = 1.450

Comment :
HYUNDAI TRI-MODE PHONE - PCS MODE
CH 1175 24.5 dBm Conducted
HYUNDAI TRI-MODE PHONE - BODY SAR

Robot : PCTEST

Probe Offset = 0.25 cm
Sensor Factor = 0.0108
Conversion Factor = 1.378

PCTEST Amplifier Channel Settings : 0.245 0.231 0.224

Max Location : X = -6.000, Y = -3.000, Z = 0.000 (cm) Value = 2.6667

Measured Values (volts) =
1.960E-003 1.660E-003 1.337E-003 1.584E-003 9.666E-004 1.322E-003
7.117E-004 2.051E-003 4.677E-004 1.103E-003 1.231E-003 8.957E-004
9.222E-004 1.934E-004 4.450E-004 2.091E-004 8.674E-004 1.429E-003
5.504E-004 5.510E-004 6.219E-004

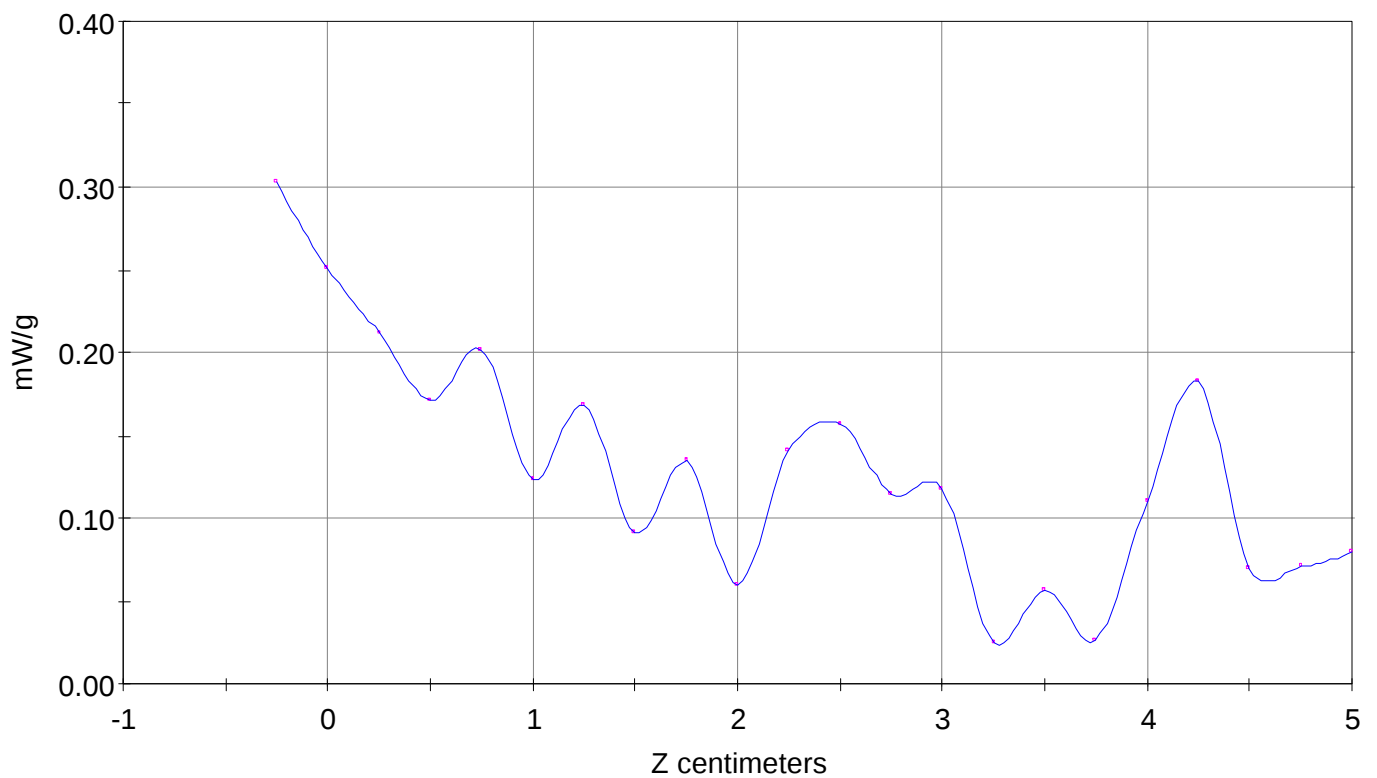
Calc. Voltage @ Surface (Vs) = 0.0024

Voltage @ 1.00 cm (Vt) = 0.0016

Ave. Voltage (Vs+Vt)/2 = 0.0020

Ave. SAR over 1 g (mW/g) = 0.2525

SAR Scan
File : 01072424_ZOOM
Start : 24-Jul-101 03:44:06 pm End : 24-Jul-101 03:51:51 pm
HYUNDAI/TX-21B/10;1908.75MHz;W;Helical/Out;
Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 DegreesMuscle/54.200/1.450

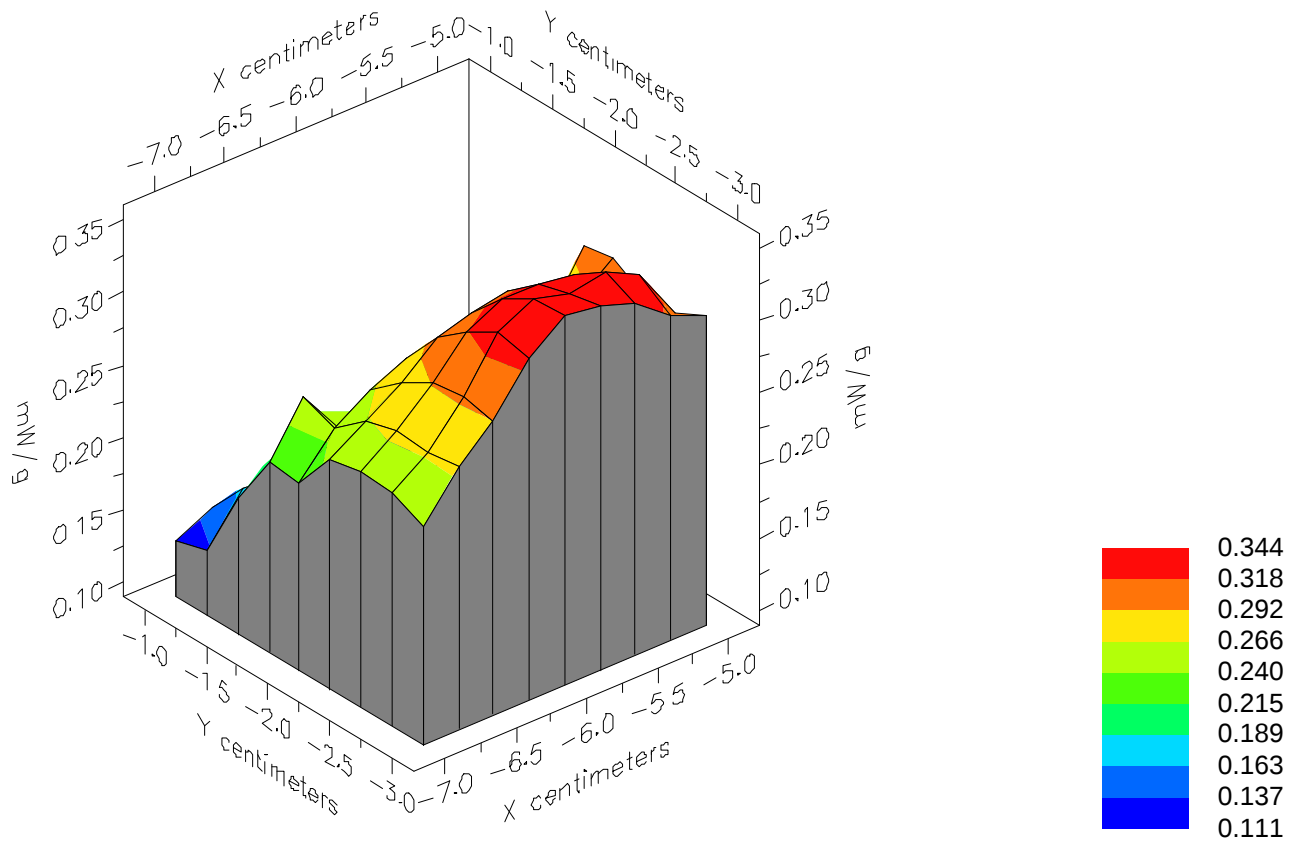


File : 01072424_ZOOM

Start : 24-Jul-101 03:44:06 pm End : 24-Jul-101 03:51:51 pm

HYUNDAI/TX-21B/10;1908.75MHz;W;Helical/Out;

Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 DegreesMuscle/54.200/1.450



File : 01072424_ZOOM

Start : 24-Jul-101 03:44:06 pm End : 24-Jul-101 03:51:51 pm

HYUNDAI/TX-21B/10;1908.75MHz;W;Helical/Out;

Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 DegreesMuscle/54.200/1.450

