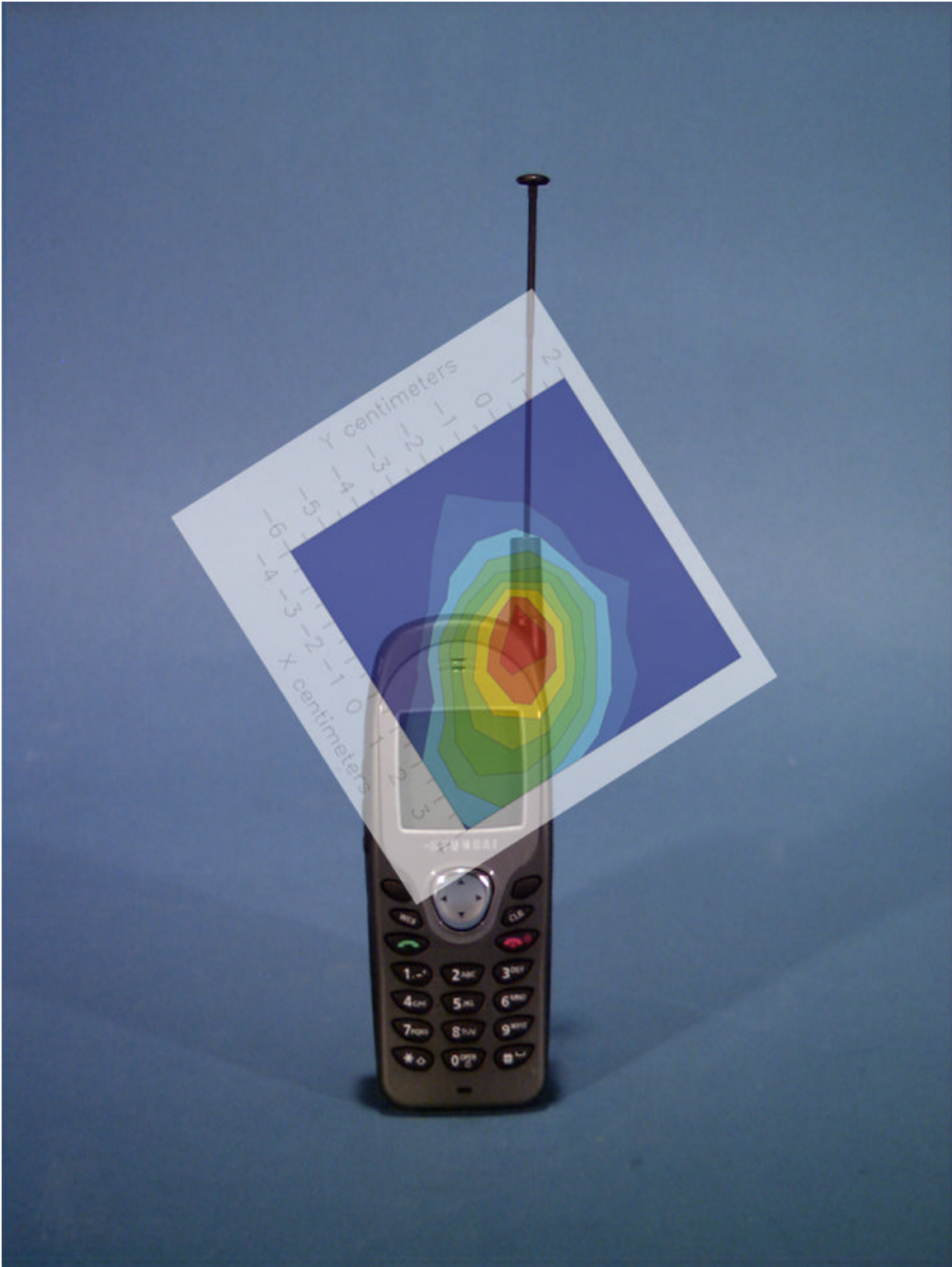


ATTACHMENT O – SAR TEST DATA

Peak SAR Location

Head SAR



File : c:/idx3/SYSTEM/SARMEAS3/data/Normal/01080107_ZOOM.VLT
Start : 1-Aug-101 11:00:23 am End : 1-Aug-101 11:09:40 am

Radio Type : HYUNDAI
Model Number : PX-25B
Serial Number : 72
Frequency : 1851.25 MHz
Peak Trans. Pwr : 0.300 W
Start Trans. Pwr : 0.300 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 PCS-MODE PHONE - PCS MODE
CH 0025 24.8 dBm Conducted
HYUNDAI PCS-MODE PHONE

Robot : PCTEST

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

PCTEST Amplifier Channel Settings : 0.245 0.231 0.224

Max Location : X = 0.000, Y = -2.750, Z = 0.000 (cm) Value = 7.082

Measured Values (volts) =
6.509E-003 4.587E-003 3.359E-003 2.603E-003 1.861E-003 1.452E-003
1.068E-003 8.848E-004 6.271E-004 5.174E-004 3.515E-004 3.548E-004
2.304E-004 1.956E-004 1.699E-004 1.363E-004 1.002E-004 8.693E-005
9.773E-005 1.087E-004 8.226E-005

Calc. Voltage @ Surface (Vs) = 0.0091

Voltage @ 1.00 cm (Vt) = 0.0026

Ave. Voltage (Vs+Vt)/2 = 0.0058

Ave. SAR over 1 g (mW/g) = 0.6487

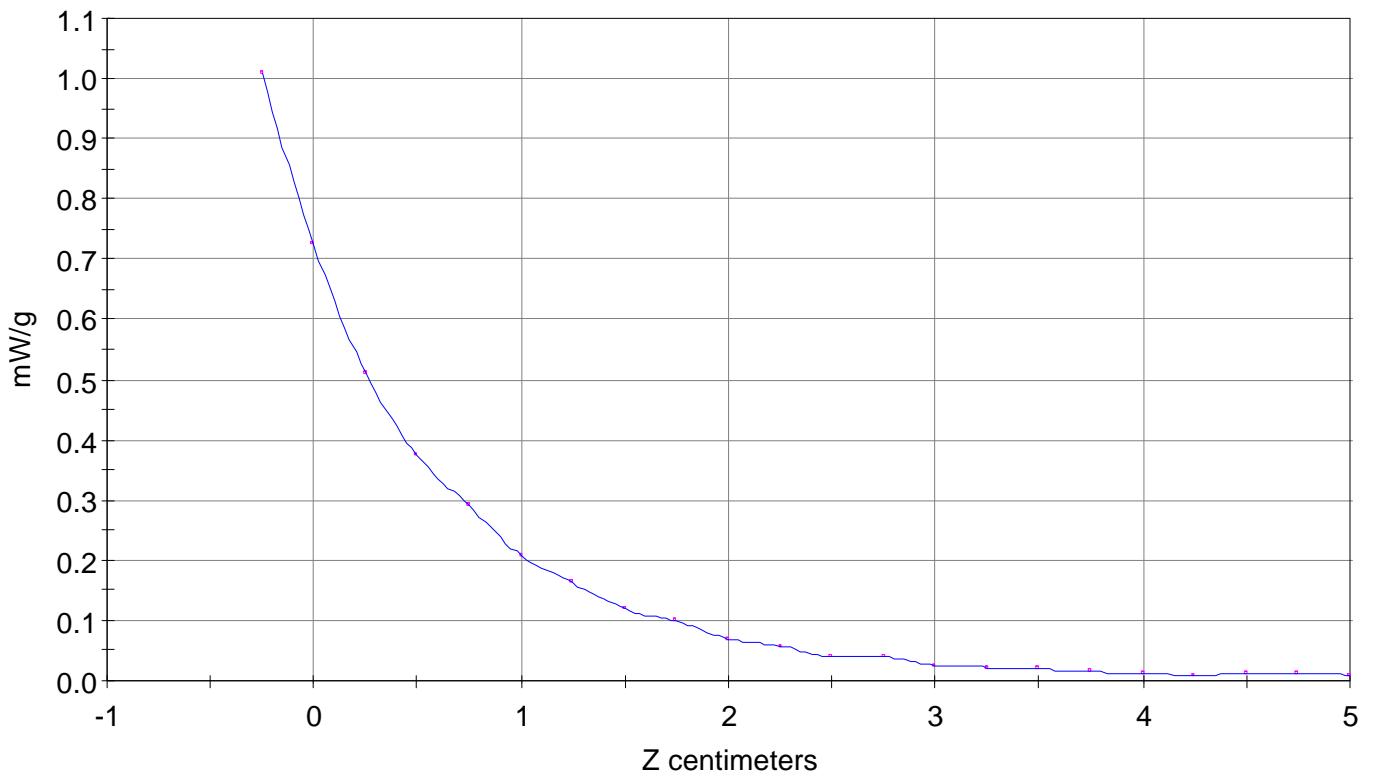
SAR Scan

File : 01080107_ZOOM

Start : 1-Aug-101 11:00:23 am End : 1-Aug-101 11:09:40 am

HYUNDAI/PX-25B/72;1851.25MHz;W;Helical/In;

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

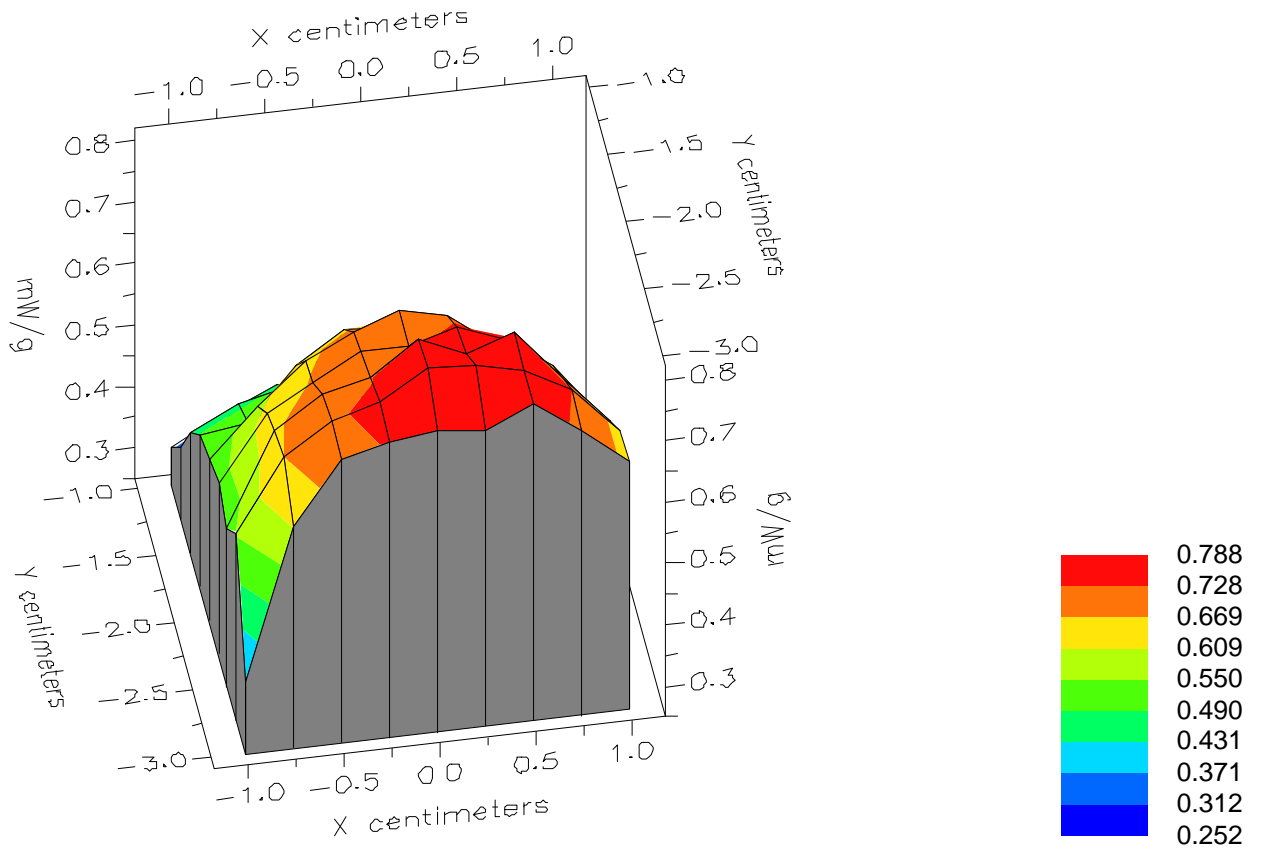


File : 01080107_ZOOM

Start : 1-Aug-101 11:00:23 am End : 1-Aug-101 11:09:40 am

HYUNDAI/PX-25B/72;1851.25MHz;W;Helical/In;

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

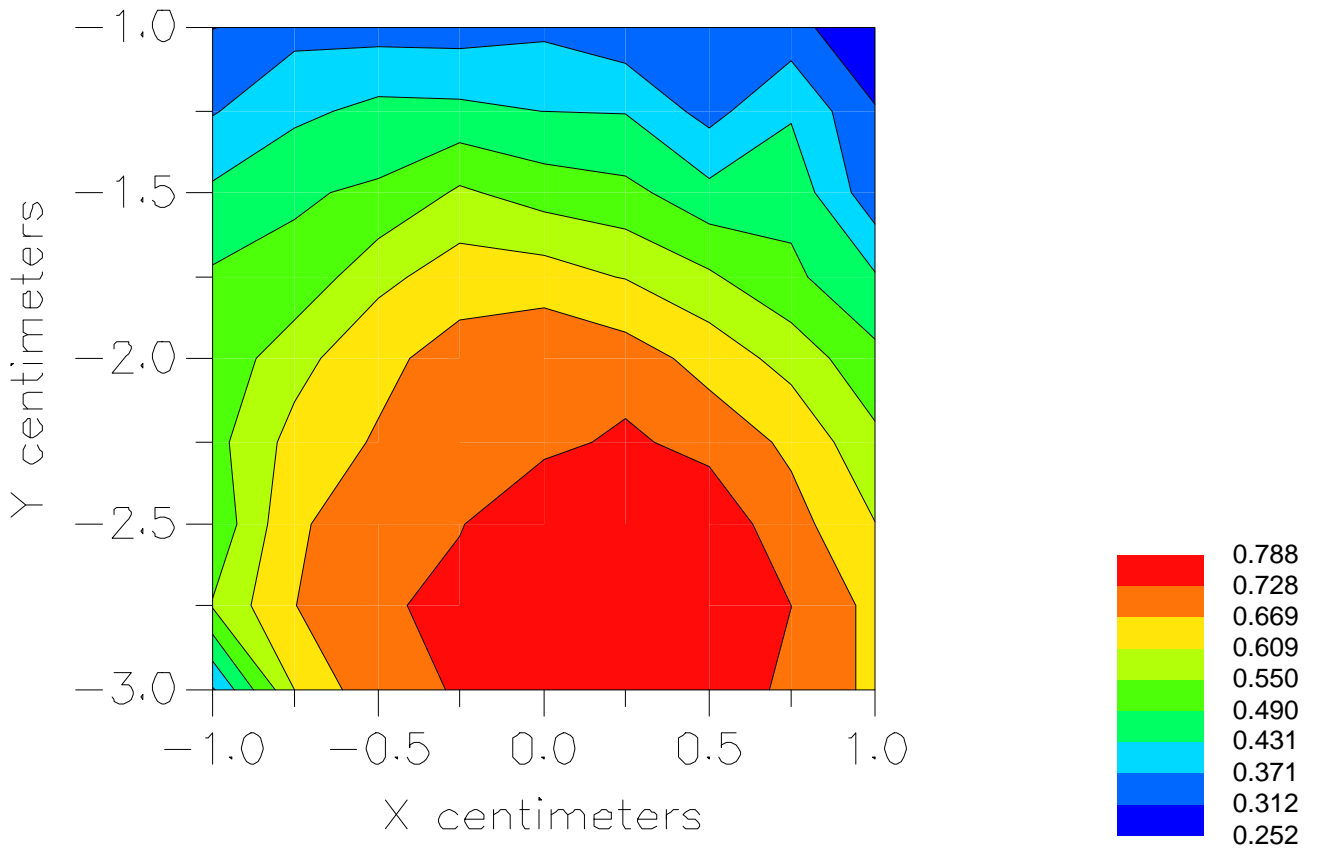


File : 01080107_ZOOM

Start : 1-Aug-101 11:00:23 am End : 1-Aug-101 11:09:40 am

HYUNDAI/PX-25B/72;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/01080102_ZOOM.VLT
Start : 1-Aug-101 09:56:03 am End : 1-Aug-101 10:05:18 am

Radio Type : HYUNDAI
Model Number : PX-25B
Serial Number : 72
Frequency : 1851.25 MHz
Peak Trans. Pwr : 0.300 W
Start Trans. Pwr : 0.300 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 PCS-MODE PHONE - PCS MODE
CH 0025 24.8 dBm Conducted
HYUNDAI PCS-MODE PHONE

Robot : PCTEST

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

PCTEST Amplifier Channel Settings : 0.245 0.231 0.224

Max Location : X = 0.500, Y = -2.750, Z = 0.000 (cm) Value = 14.178

Measured Values (volts) =
1.341E-002 8.871E-003 6.572E-003 4.796E-003 3.576E-003 2.745E-003
1.970E-003 1.482E-003 1.144E-003 9.188E-004 7.199E-004 5.508E-004
4.435E-004 3.178E-004 2.803E-004 2.335E-004 2.143E-004 1.854E-004
1.943E-004 1.437E-004 1.310E-004

Calc. Voltage @ Surface (Vs) = 0.0192

Voltage @ 1.00 cm (Vt) = 0.0048

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

Ave. SAR over 1 g (mW/g) = 1.3337

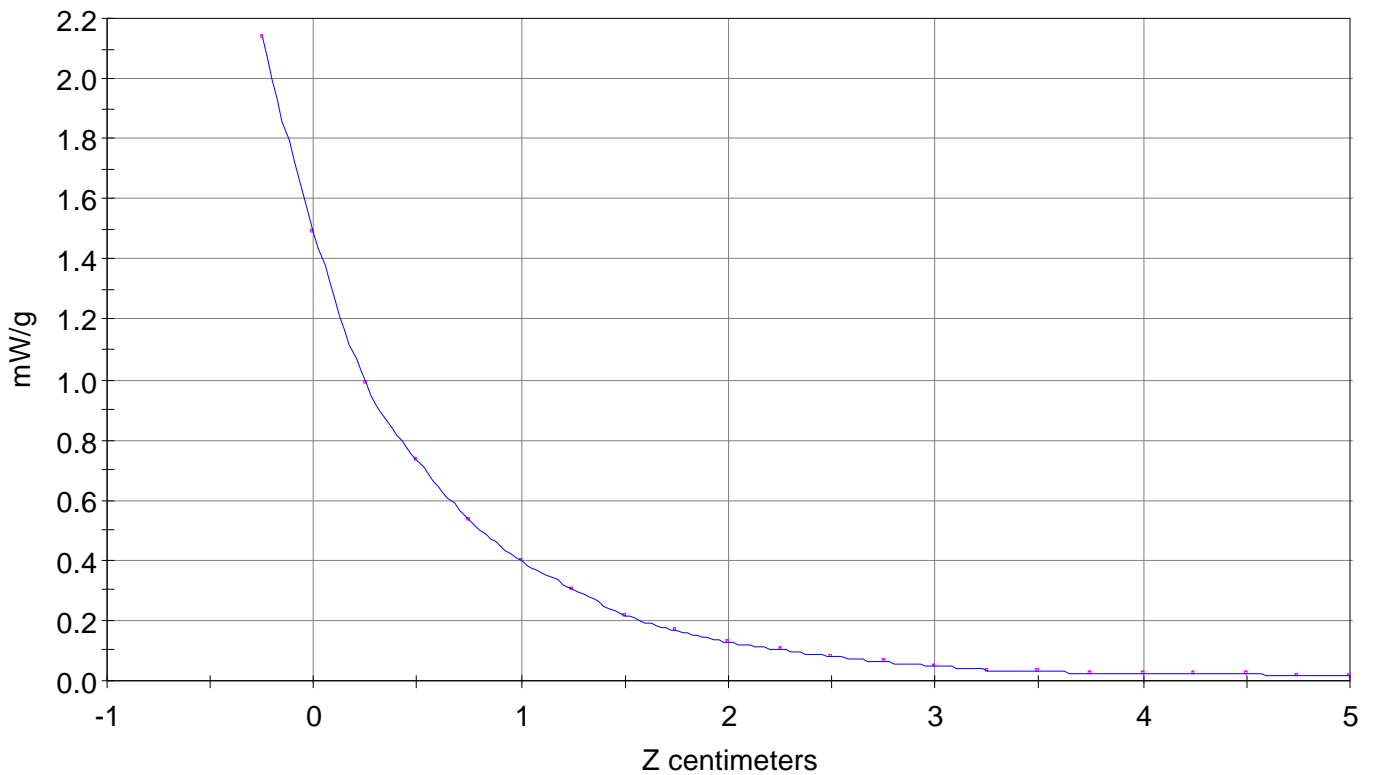
SAR Scan

File : 01080102_ZOOM

Start : 1-Aug-101 09:56:03 am End : 1-Aug-101 10:05:18 am

HYUNDAI/PX-25B/72;1851.25MHz;W;Helical/Out;

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

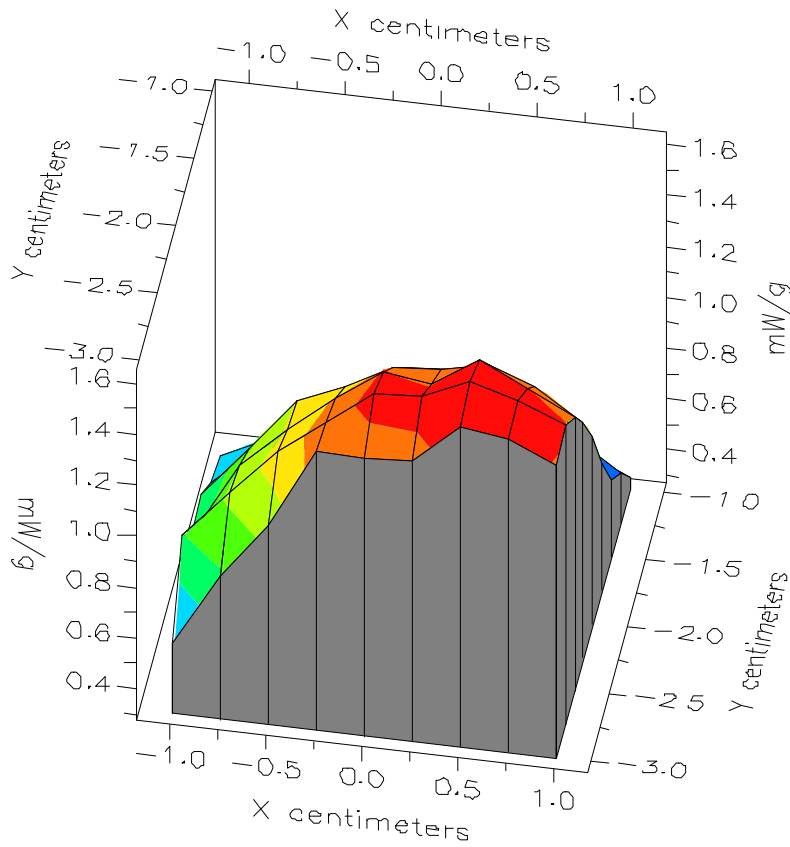


File : 01080102_ZOOM

Start : 1-Aug-101 09:56:03 am End : 1-Aug-101 10:05:18 am

HYUNDAI/PX-25B/72;1851.25MHz;W;Helical/Out;

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

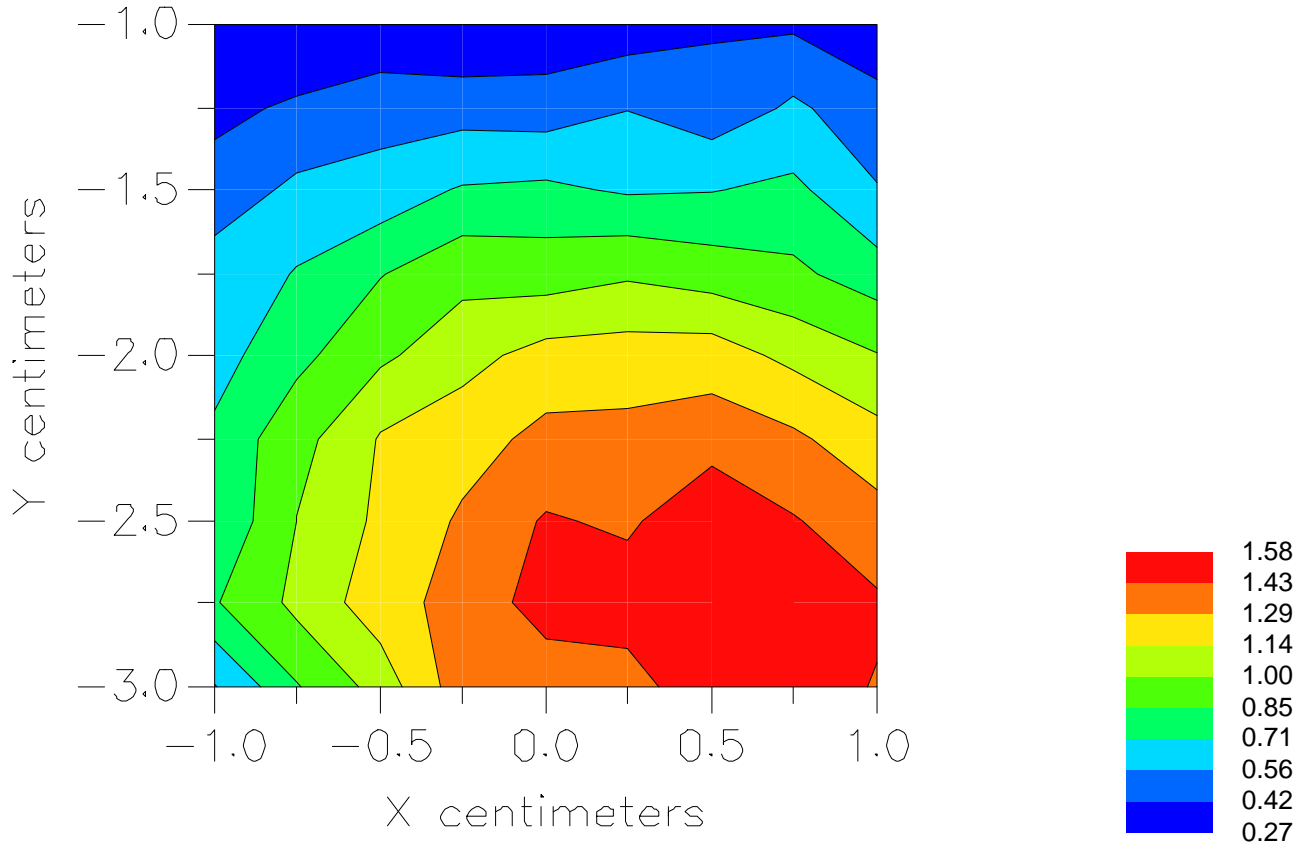


File : 01080102_ZOOM

Start : 1-Aug-101 09:56:03 am End : 1-Aug-101 10:05:18 am

HYUNDAI/PX-25B/72;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/01080106_ZOOM.VLT
Start : 1-Aug-101 10:46:59 am End : 1-Aug-101 10:56:15 am

Radio Type : HYUNDAI
Model Number : PX-25B
Serial Number : 72
Frequency : 1880.00 MHz
Peak Trans. Pwr : 0.300 W
Start Trans. Pwr : 0.300 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 PCS-MODE PHONE - PCS MODE
CH 0600 24.8 dBm Conducted
HYUNDAI PCS-MODE PHONE

Robot : PCTEST

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

PCTEST Amplifier Channel Settings : 0.245 0.231 0.224

Max Location : X = 0.500, Y = -2.500, Z = 0.000 (cm) Value = 8.067

Measured Values (volts) =
8.039E-003 5.648E-003 4.102E-003 2.911E-003 2.133E-003 1.565E-003
1.245E-003 9.221E-004 7.052E-004 5.404E-004 4.236E-004 3.611E-004
2.996E-004 2.217E-004 1.673E-004 1.290E-004 1.678E-004 1.423E-004
1.567E-004 1.453E-004 1.294E-004

Calc. Voltage @ Surface (Vs) = 0.0113

Voltage @ 1.00 cm (Vt) = 0.0029

Ave. Voltage (Vs+Vt)/2 = 0.0071

Ave. SAR over 1 g (mW/g) = 0.7878

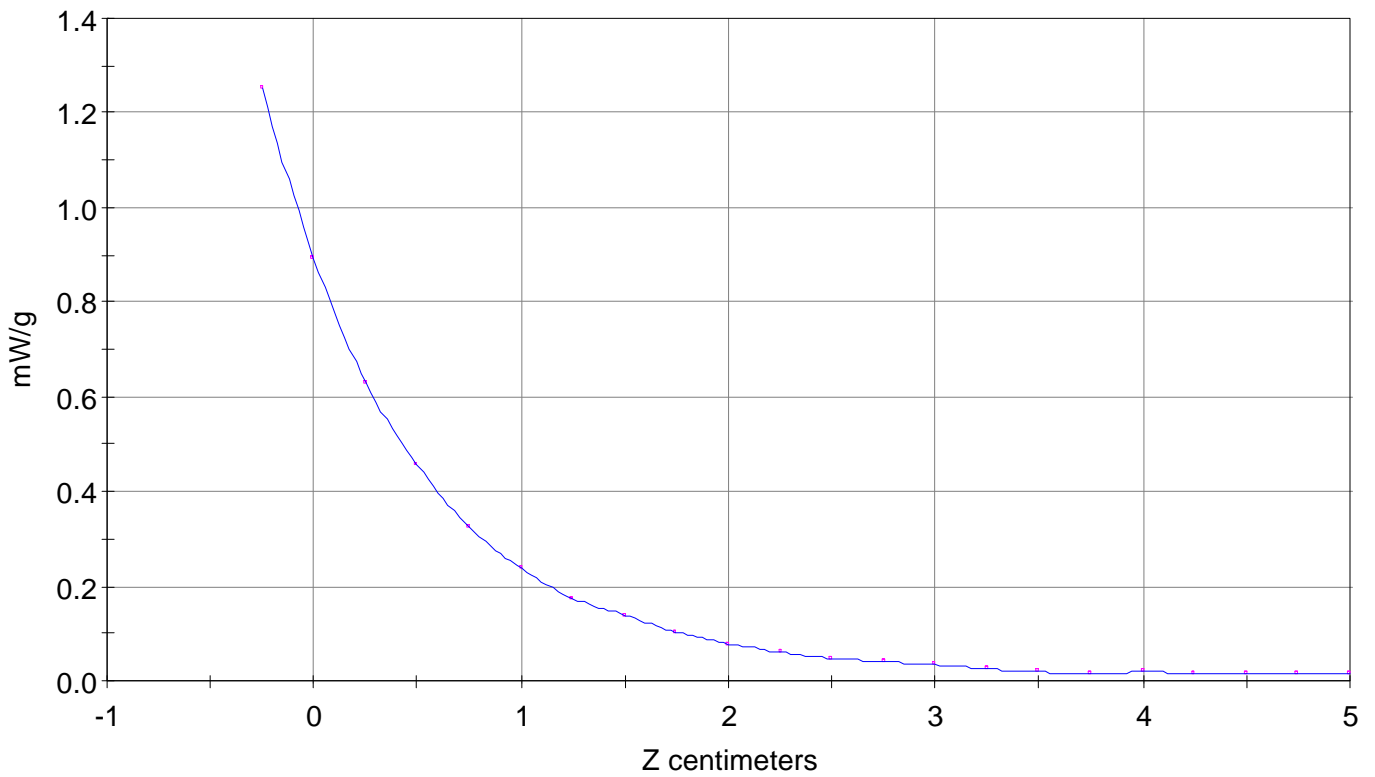
SAR Scan

File : 01080106_ZOOM

Start : 1-Aug-101 10:46:59 am End : 1-Aug-101 10:56:15 am

HYUNDAI/PX-25B/72;1880.00MHz;W;Helical/In;

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

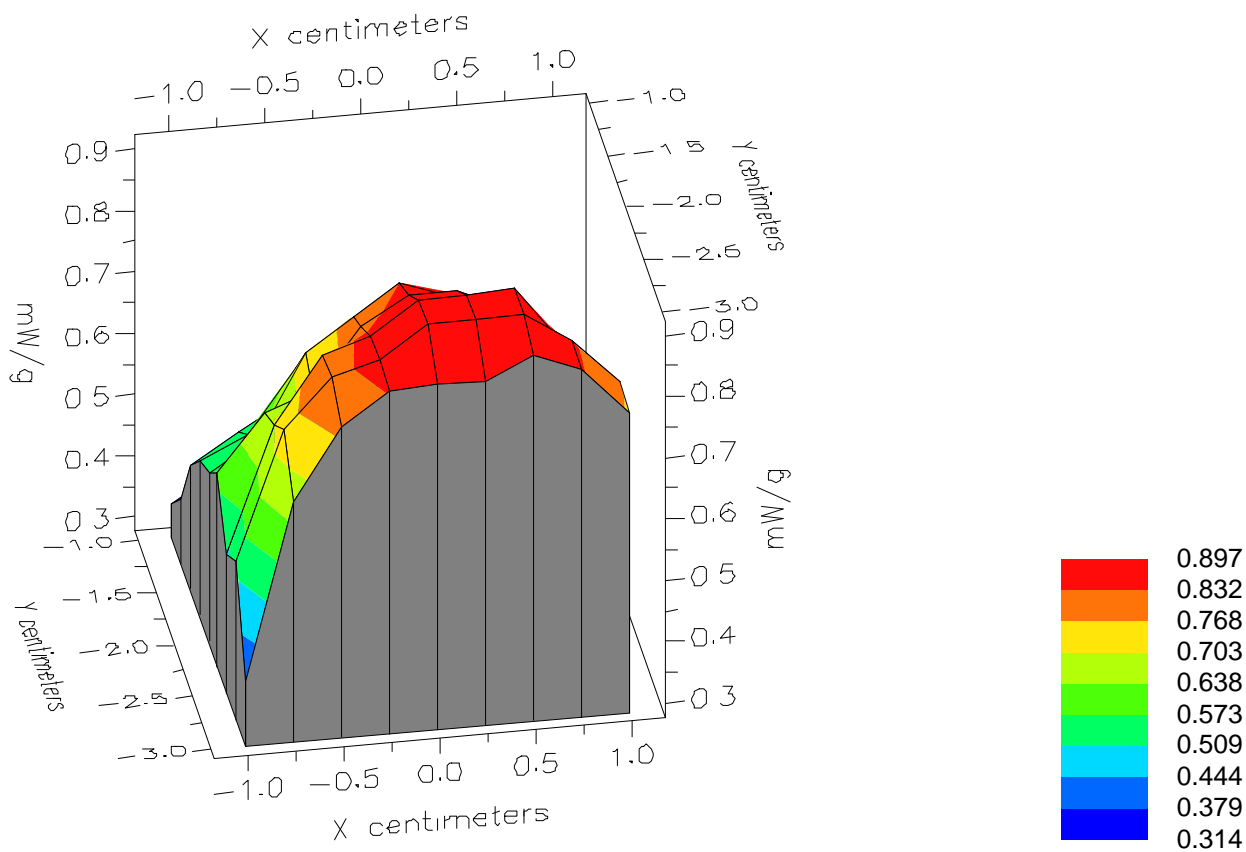


File : 01080106_ZOOM

Start : 1-Aug-101 10:46:59 am End : 1-Aug-101 10:56:15 am

HYUNDAI/PX-25B/72;1880.00MHz;W;Helical/In;

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

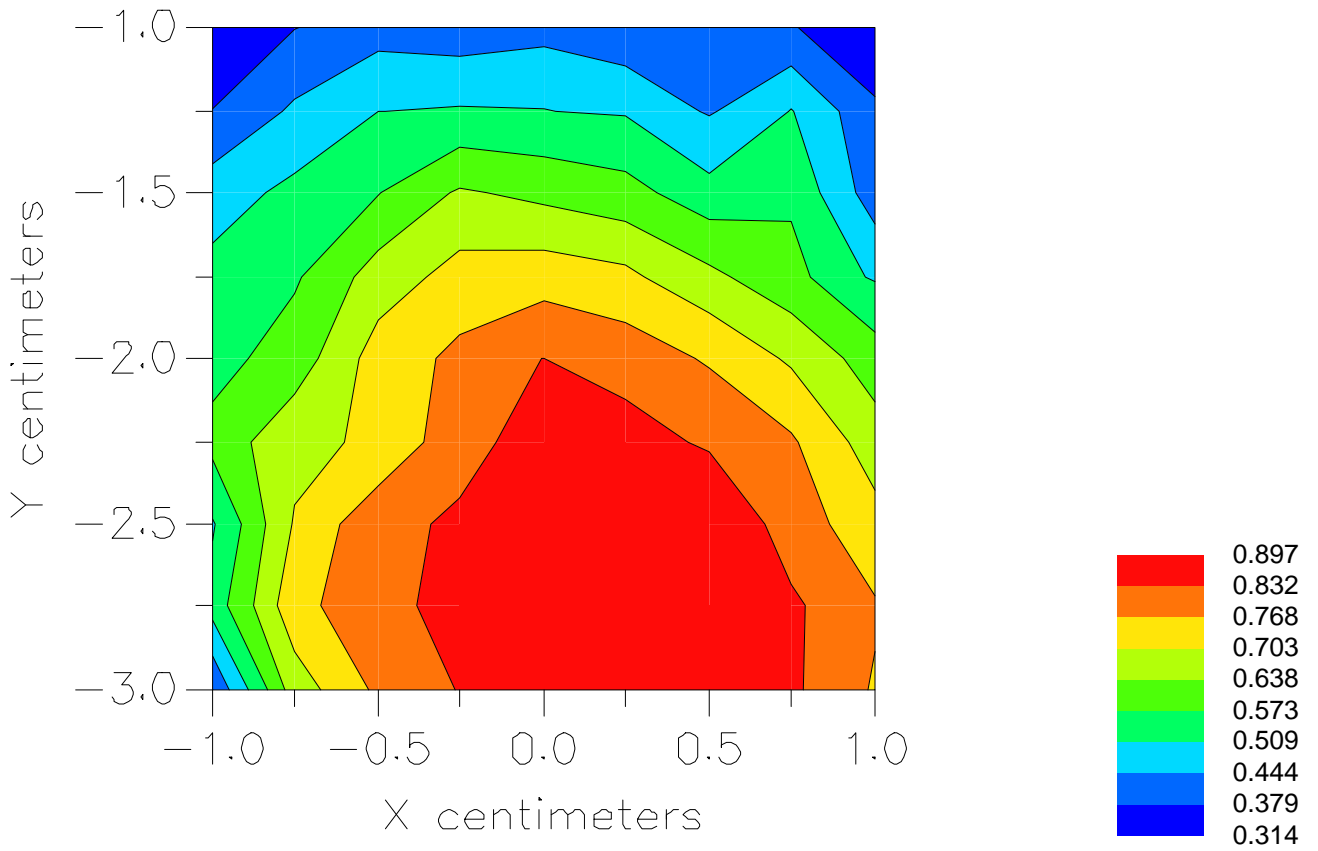


File : 01080106_ZOOM

Start : 1-Aug-101 10:46:59 am End : 1-Aug-101 10:56:15 am

HYUNDAI/PX-25B/72;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/01080103_ZOOM.VLT
Start : 1-Aug-101 10:07:33 am End : 1-Aug-101 10:16:49 am

Radio Type : HYUNDAI
Model Number : PX-25B
Serial Number : 72
Frequency : 1880.00 MHz
Peak Trans. Pwr : 0.300 W
Start Trans. Pwr : 0.300 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 PCS-MODE PHONE - PCS MODE
CH 0600 24.8 dBm Conducted
HYUNDAI PCS-MODE PHONE

Robot : PCTEST

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

PCTEST Amplifier Channel Settings : 0.245 0.231 0.224

Max Location : X = 0.000, Y = -3.000, Z = 0.000 (cm) Value = 15.539

Measured Values (volts) =
1.319E-002 9.691E-003 6.882E-003 5.452E-003 4.058E-003 2.971E-003
2.342E-003 1.720E-003 1.312E-003 1.017E-003 8.091E-004 5.646E-004
5.107E-004 3.998E-004 3.141E-004 2.189E-004 2.252E-004 1.975E-004
2.014E-004 1.407E-004 1.594E-004

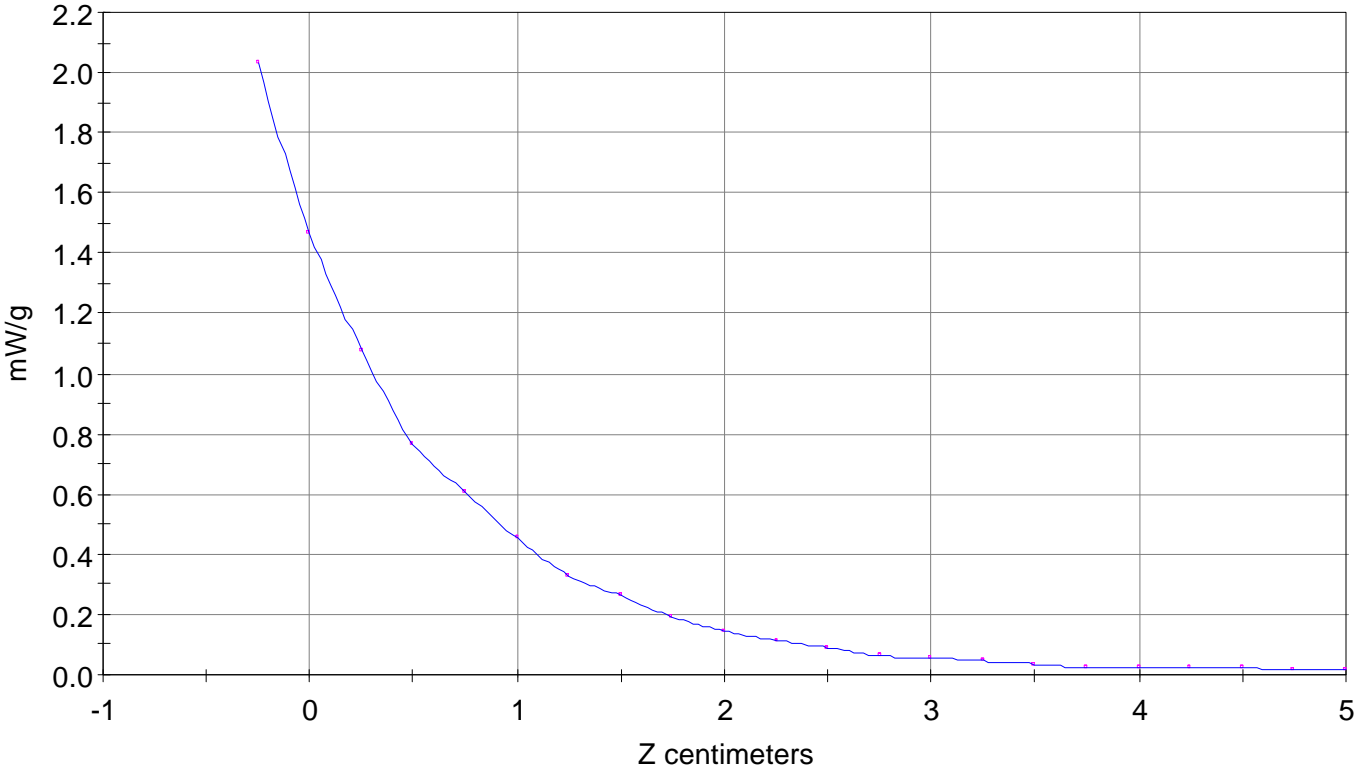
Calc. Voltage @ Surface (Vs) = 0.0183

Voltage @ 1.00 cm (Vt) = 0.0055

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

Ave. SAR over 1 g (mW/g) = 1.3182

SAR Scan
File : 01080103_ZOOM
Start : 1-Aug-101 10:07:33 am End : 1-Aug-101 10:16:49 am
HYUNDAI/PX-25B/72;1880.00MHz;W;Helical/Out;
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/40.400/1.620

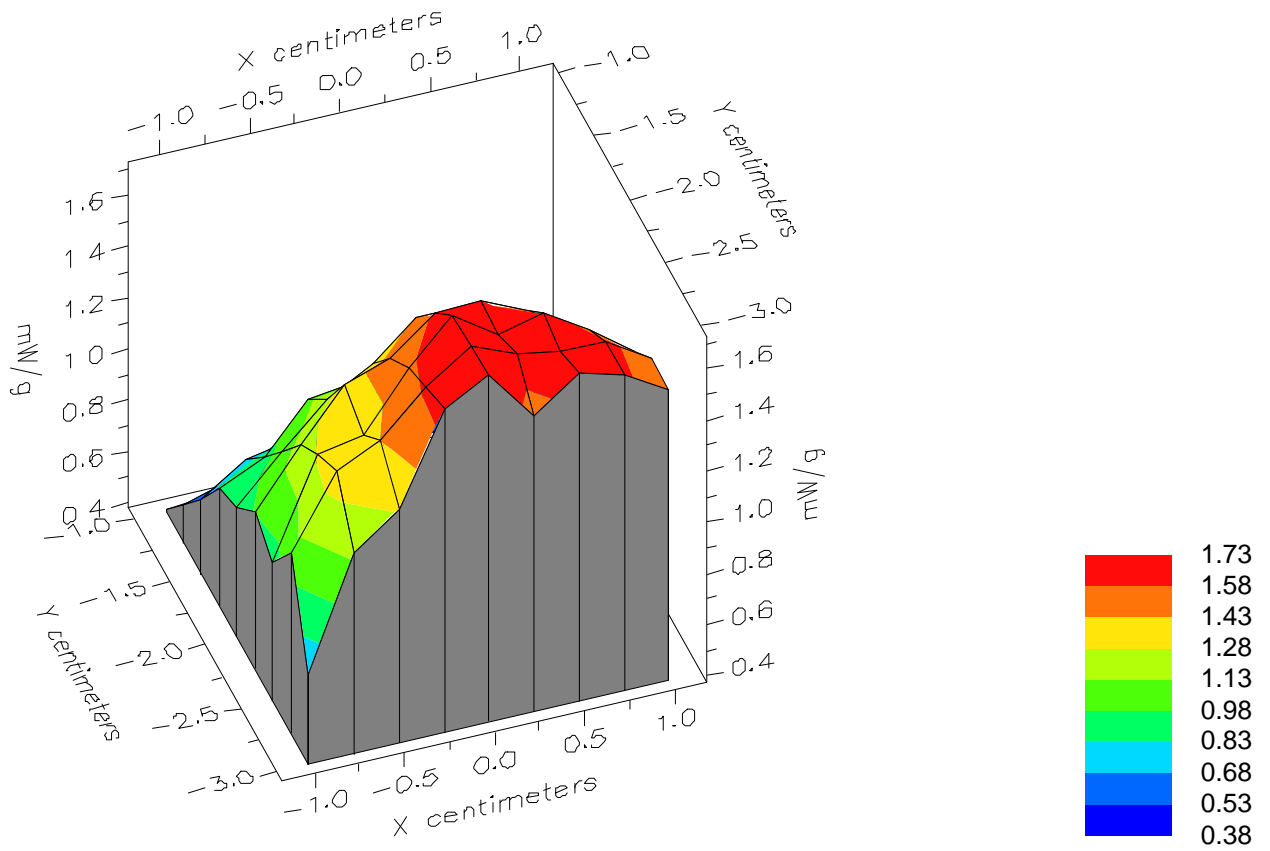


File : 01080103_ZOOM

Start : 1-Aug-101 10:07:33 am End : 1-Aug-101 10:16:49 am

HYUNDAI/PX-25B/72;1880.00MHz;W;Helical/Out;

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

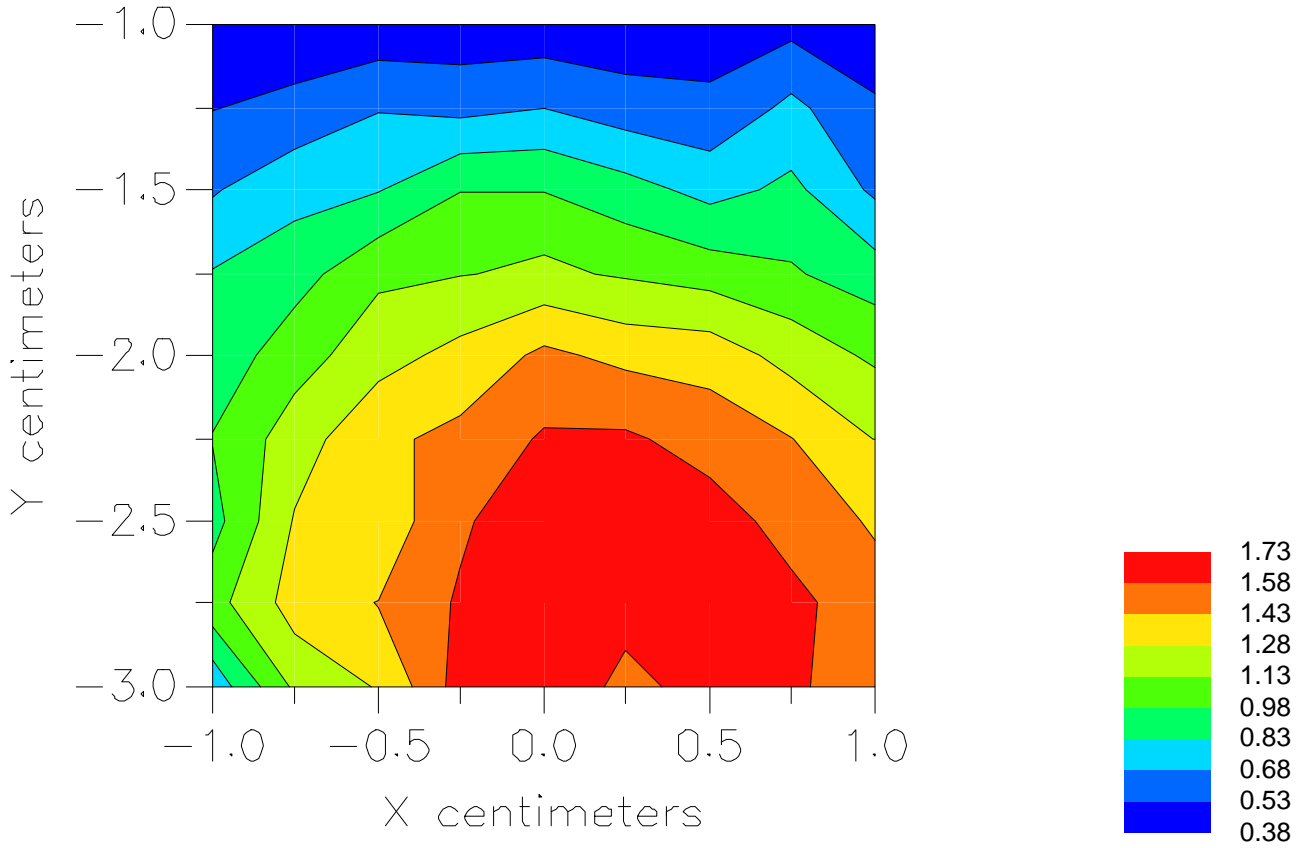


File : 01080103_ZOOM

Start : 1-Aug-101 10:07:33 am End : 1-Aug-101 10:16:49 am

HYUNDAI/PX-25B/72;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/01080105_ZOOM.VLT
Start : 1-Aug-101 10:32:35 am End : 1-Aug-101 10:41:51 am

Radio Type : HYUNDAI
Model Number : PX-25B
Serial Number : 72
Frequency : 1908.75 MHz
Peak Trans. Pwr : 0.300 W
Start Trans. Pwr : 0.300 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 PCS-MODE PHONE - PCS MODE
CH 1175 24.8 dBm Conducted
HYUNDAI PCS-MODE PHONE

Robot : PCTEST

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

PCTEST Amplifier Channel Settings : 0.245 0.231 0.224

Max Location : X = 0.500, Y = -2.500, Z = 0.000 (cm) Value = 7.911

Measured Values (volts) =
7.719E-003 5.414E-003 3.863E-003 2.674E-003 1.980E-003 1.528E-003
1.113E-003 8.532E-004 5.965E-004 5.235E-004 3.660E-004 3.618E-004
2.480E-004 1.959E-004 1.645E-004 1.585E-004 1.340E-004 1.781E-004
1.366E-004 1.475E-004 9.127E-005

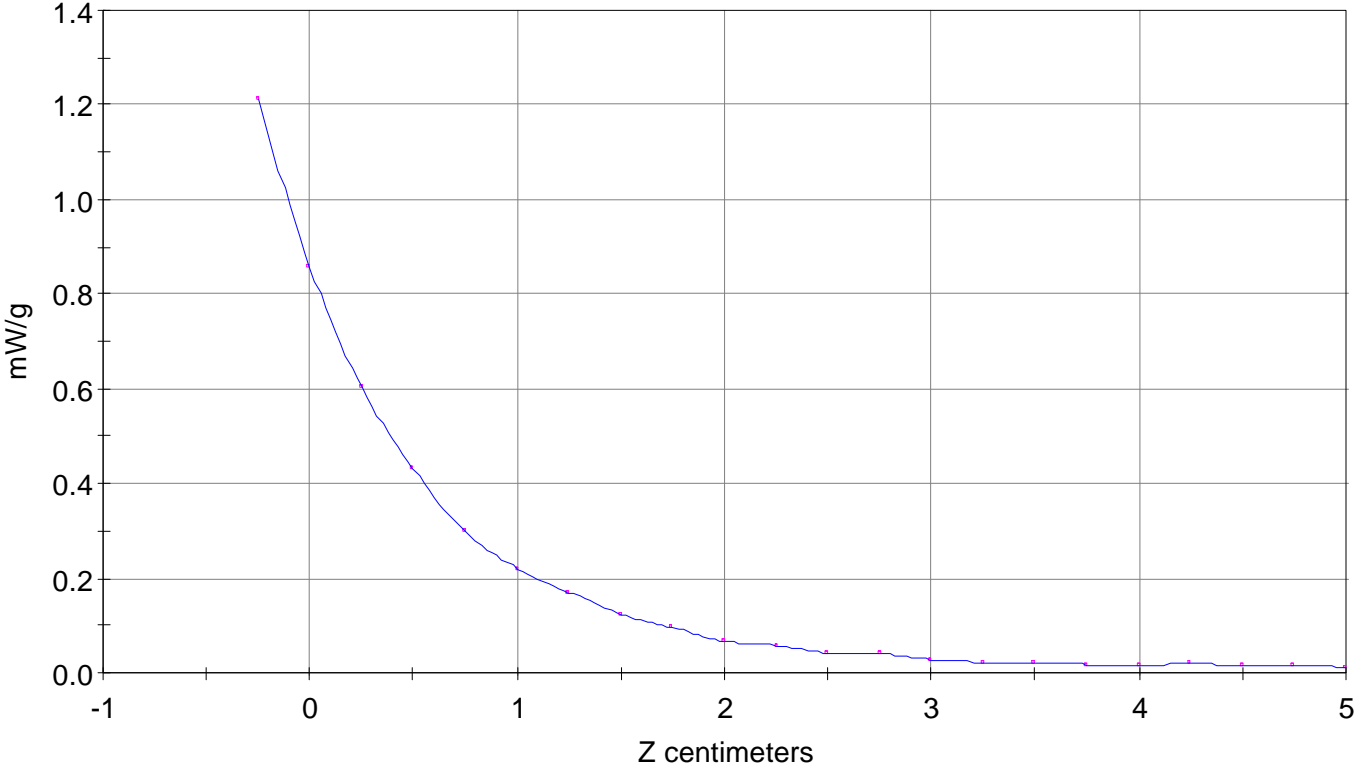
Calc. Voltage @ Surface (Vs) = 0.0109

Voltage @ 1.00 cm (Vt) = 0.0027

Ave. Voltage (Vs+Vt)/2 = 0.0068

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

SAR Scan
File : 01080105_ZOOM
Start : 1-Aug-101 10:32:35 am End : 1-Aug-101 10:41:51 am
HYUNDAI/PX-25B/72;1908.75MHz;W;Helical/In;
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/40.400/1.620

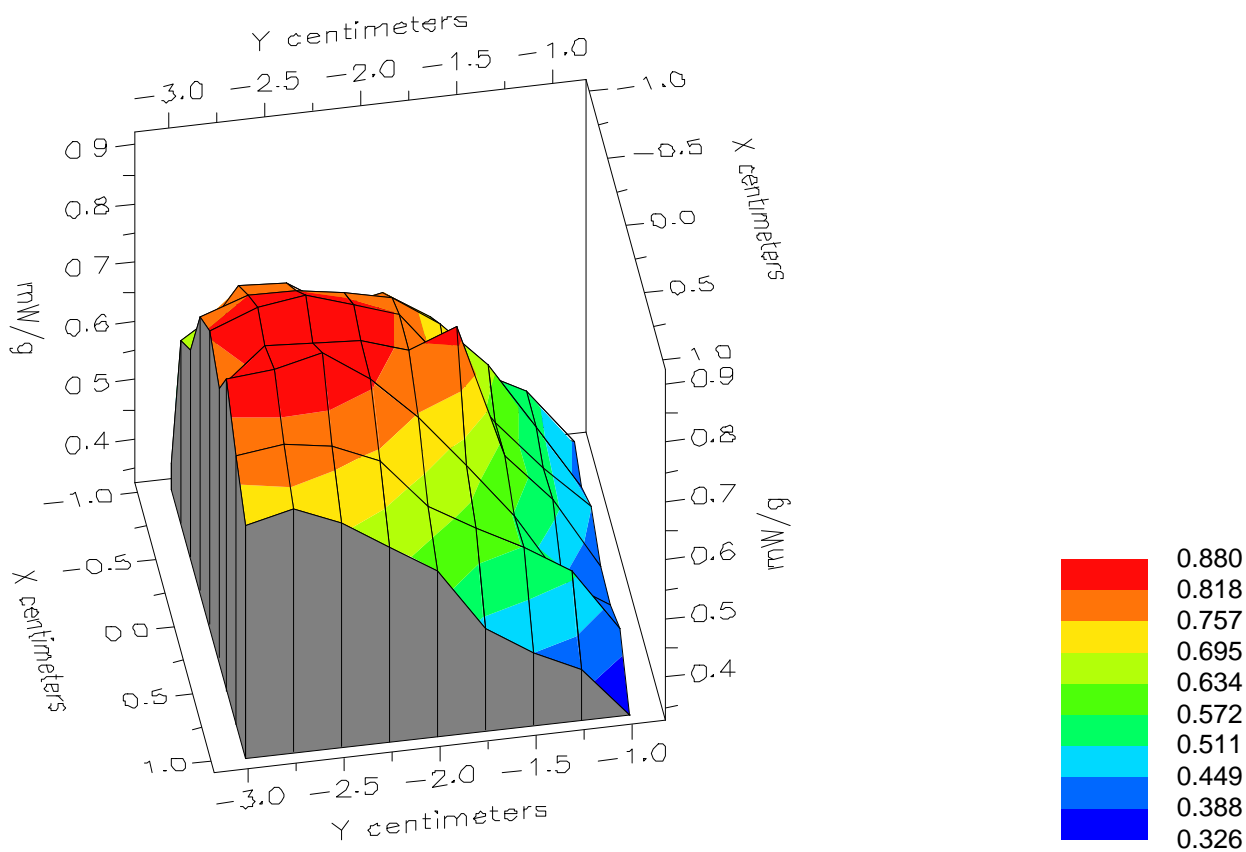


File : 01080105_ZOOM

Start : 1-Aug-101 10:32:35 am End : 1-Aug-101 10:41:51 am

HYUNDAI/PX-25B/72;1908.75MHz;W;Helical/In;

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

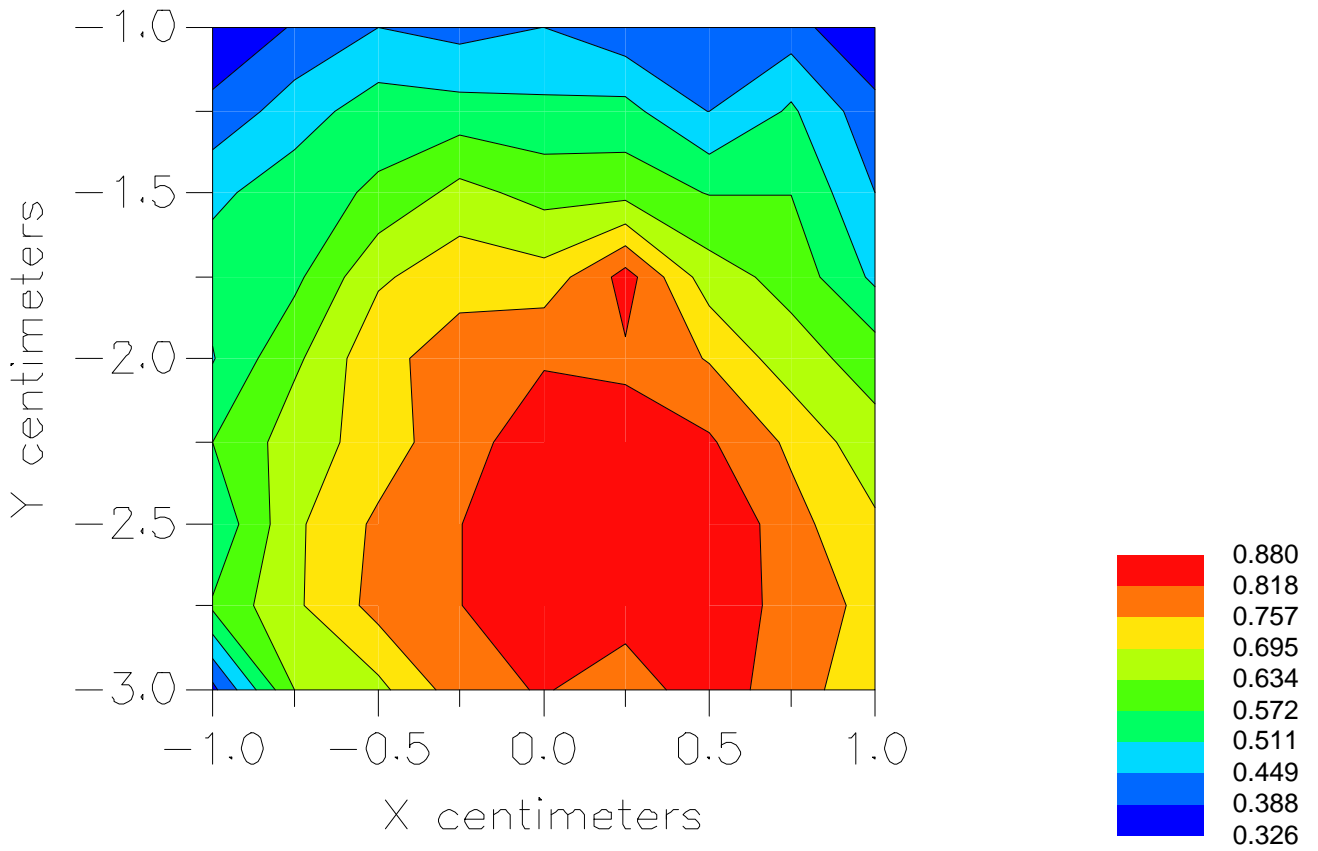


File : 01080105_ZOOM

Start : 1-Aug-101 10:32:35 am End : 1-Aug-101 10:41:51 am

HYUNDAI/PX-25B/72;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/01080104_ZOOM.VLT
Start : 1-Aug-101 10:18:42 am End : 1-Aug-101 10:27:58 am

Radio Type : HYUNDAI
Model Number : PX-25B
Serial Number : 72
Frequency : 1908.75 MHz
Peak Trans. Pwr : 0.300 W
Start Trans. Pwr : 0.300 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 PCS-MODE PHONE - PCS MODE
CH 1175 24.8 dBm Conducted
HYUNDAI PCS-MODE PHONE

Robot : PCTEST

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

PCTEST Amplifier Channel Settings : 0.245 0.231 0.224

Max Location : X = 0.500, Y = -2.750, Z = 0.000 (cm) Value = 14.642

Measured Values (volts) =
1.417E-002 9.265E-003 6.783E-003 4.885E-003 3.638E-003 2.756E-003
2.044E-003 1.513E-003 1.078E-003 9.039E-004 6.714E-004 5.276E-004
4.878E-004 3.479E-004 2.664E-004 2.129E-004 1.788E-004 1.697E-004
1.799E-004 1.110E-004 1.100E-004

Calc. Voltage @ Surface (Vs) = 0.0205

Voltage @ 1.00 cm (Vt) = 0.0049

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

Ave. SAR over 1 g (mW/g) = 1.4120

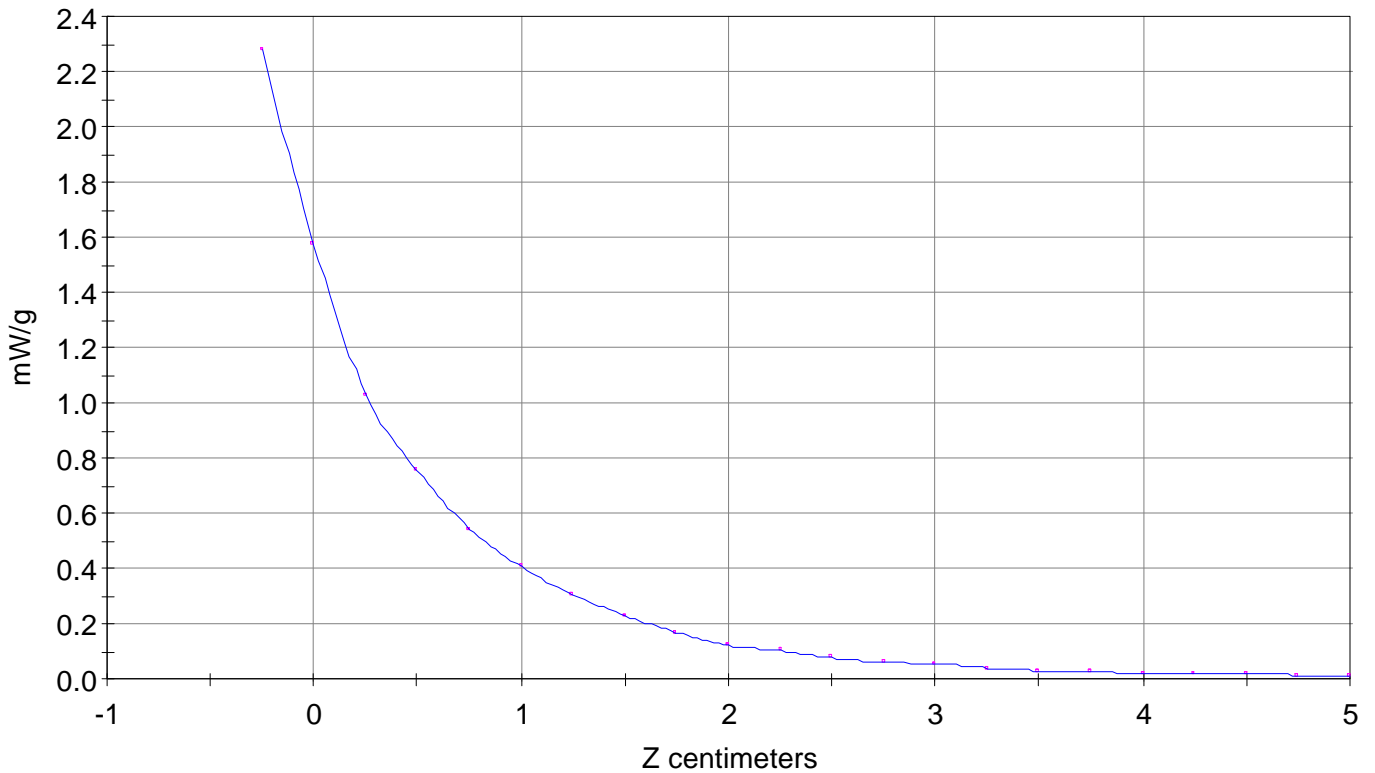
SAR Scan

File : 01080104_ZOOM

Start : 1-Aug-101 10:18:42 am End : 1-Aug-101 10:27:58 am

HYUNDAI/PX-25B/72;1908.75MHz;W;Helical/Out;

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

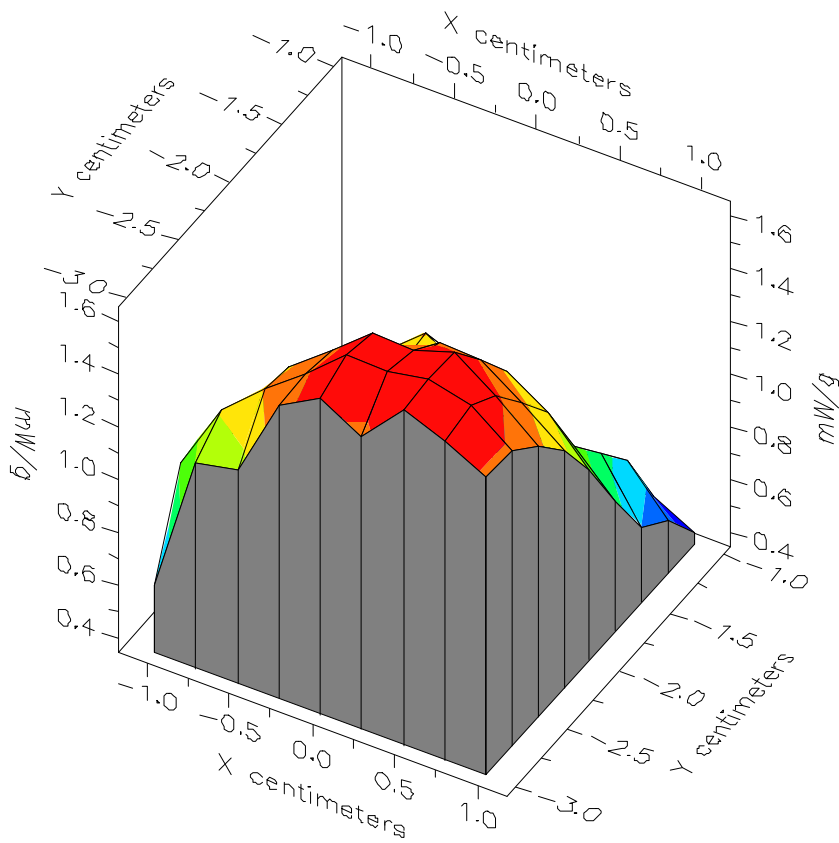


File : 01080104_ZOOM

Start : 1-Aug-101 10:18:42 am End : 1-Aug-101 10:27:58 am

HYUNDAI/PX-25B/72;1908.75MHz;W;Helical/Out;

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

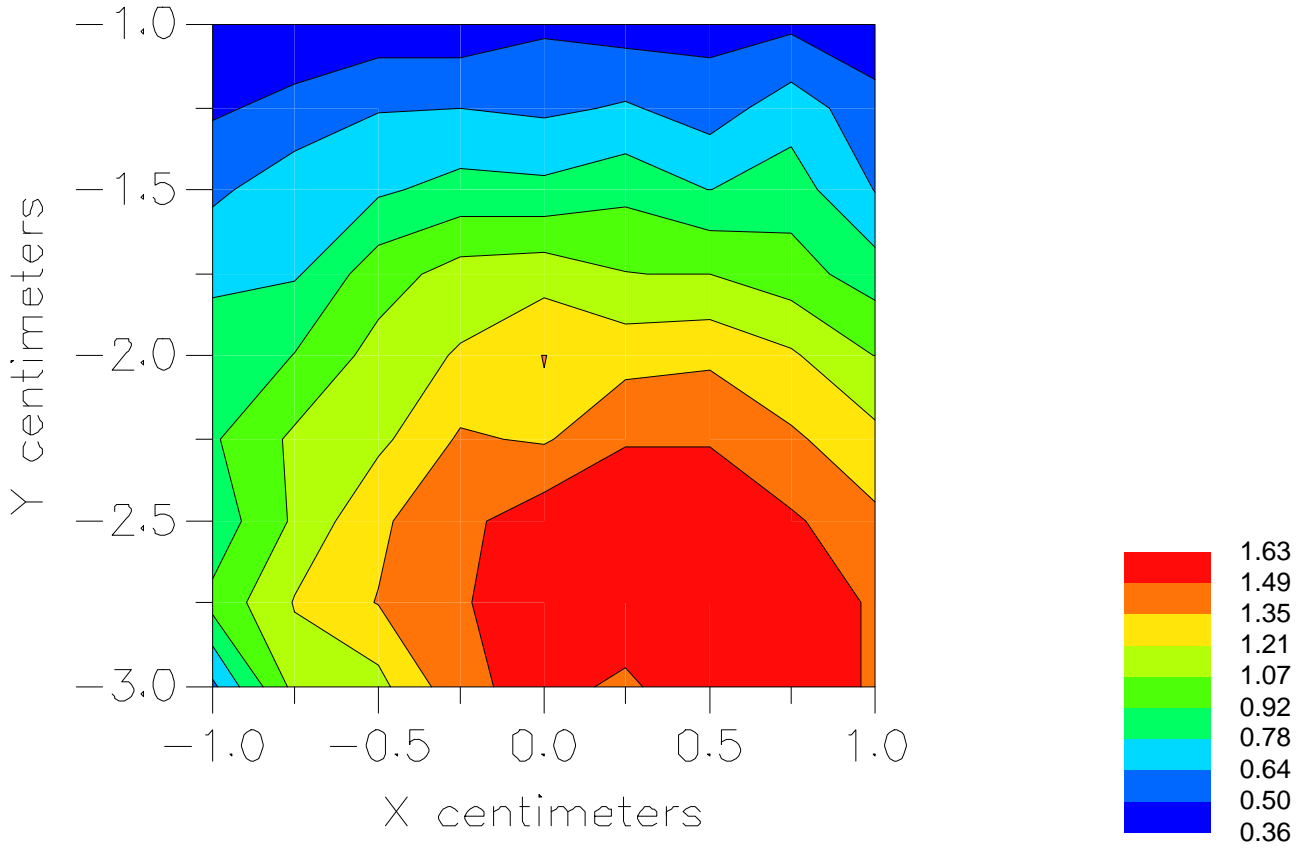


File : 01080104_ZOOM

Start : 1-Aug-101 10:18:42 am End : 1-Aug-101 10:27:58 am

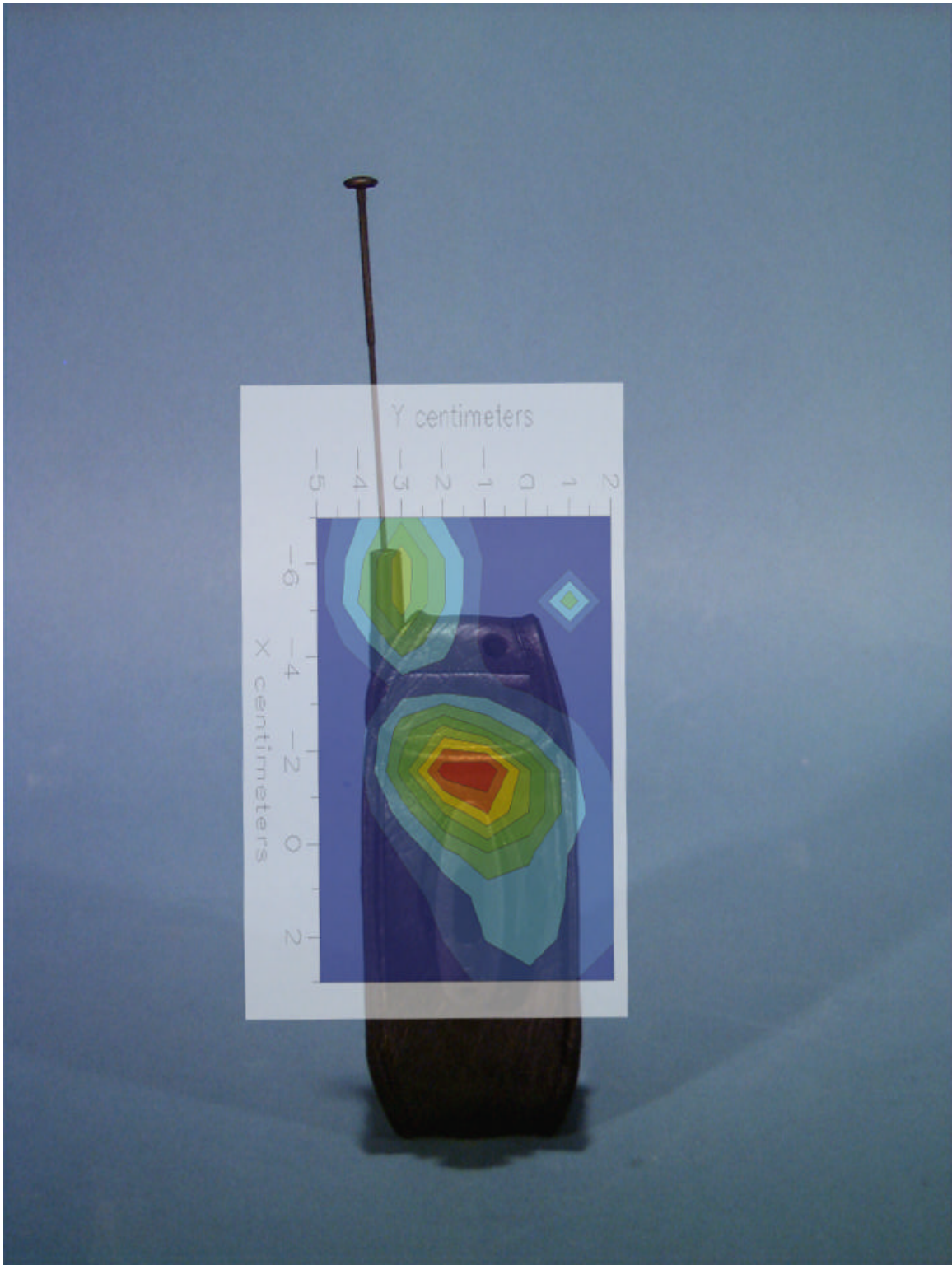
HYUNDAI/PX-25B/72;1908.75MHz;W;Helical/Out;

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



Peak SAR Location

Body SAR



File : c:/idx3/SYSTEM/SARMEAS3/data/Normal/01080717_ZOOM.VLT
Start : 7-Aug-101 03:24:48 pm End : 7-Aug-101 03:32:40 pm

Radio Type : HYUNDAI
Model Number : PX-25B
Serial Number : 72
Frequency : 1851.25 MHz
Peak Trans. Pwr : 0.300 W
Start Trans. Pwr : 0.300 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 PCS-MODE PHONE
CH 0025 24.8 dBm Conducted
HYUNDAI PCS-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 = -1.500, Y = -2.250, Z = 0.000 (cm) Value = 5.131

Measured Values (volts) =
4.319E-003 3.549E-003 2.560E-003 2.083E-003 1.765E-003 1.419E-003
1.128E-003 9.377E-004 7.824E-004 6.699E-004 5.718E-004 4.598E-004
3.991E-004 3.464E-004 3.201E-004 2.782E-004 2.535E-004 2.392E-004
2.549E-004 1.983E-004 2.004E-004

Calc. Voltage @ Surface (Vs) = 0.0056

Voltage @ 1.00 cm (Vt) = 0.0021

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

Ave. SAR over 1 g (mW/g) = 0.4916

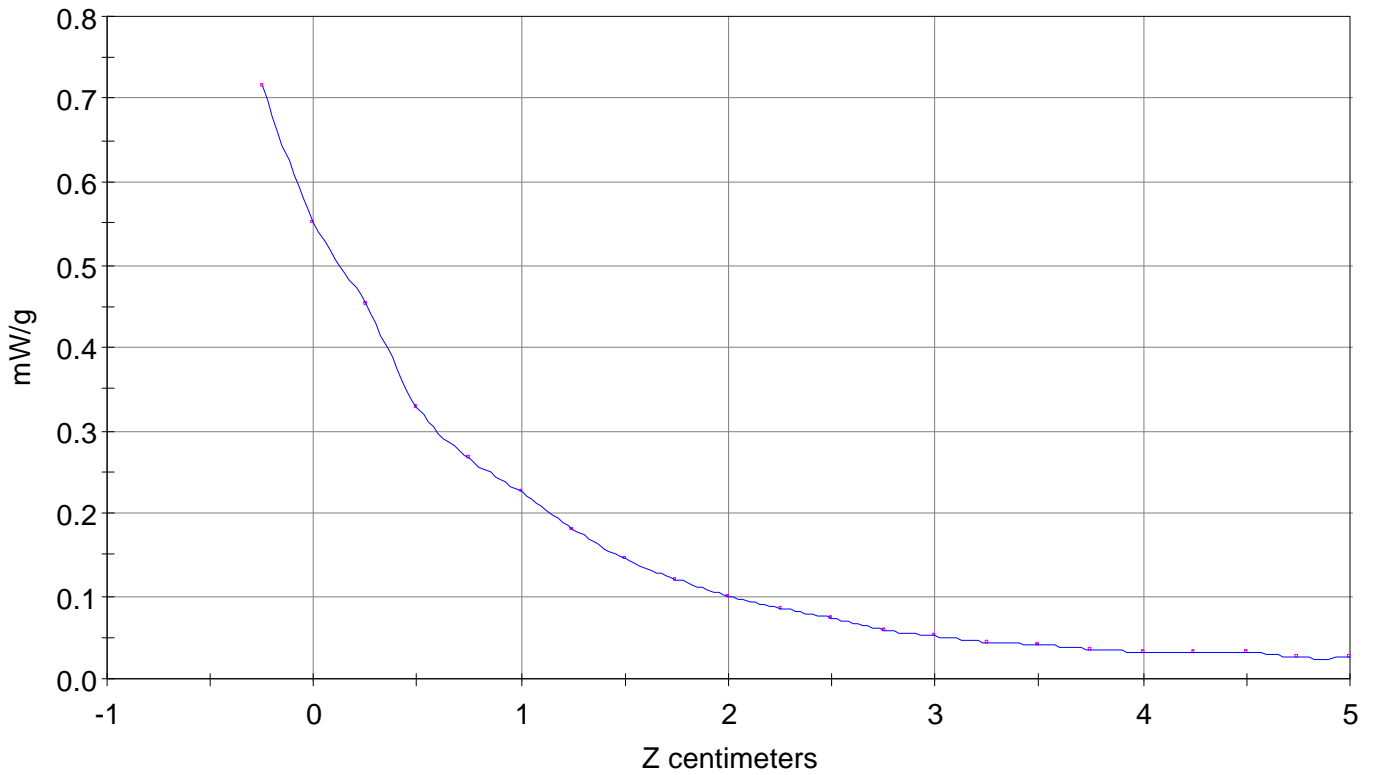
SAR Scan

File : 01080717_ZOOM

Start : 7-Aug-101 03:24:48 pm End : 7-Aug-101 03:32:40 pm

HYUNDAI/PX-25B/72;1851.25MHz;W;Helical/In;

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

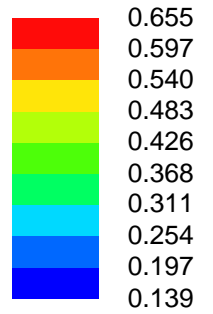
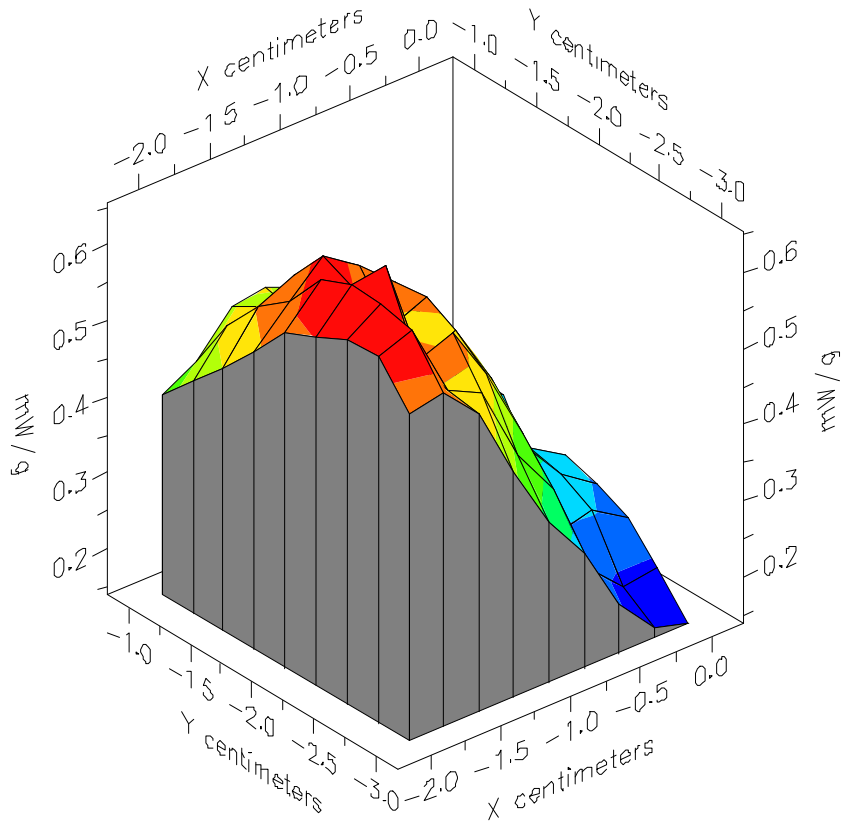


File : 01080717_ZOOM

Start : 7-Aug-101 03:24:48 pm End : 7-Aug-101 03:32:40 pm

HYUNDAI/PX-25B/72;1851.25MHz;W;Helical/In;

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

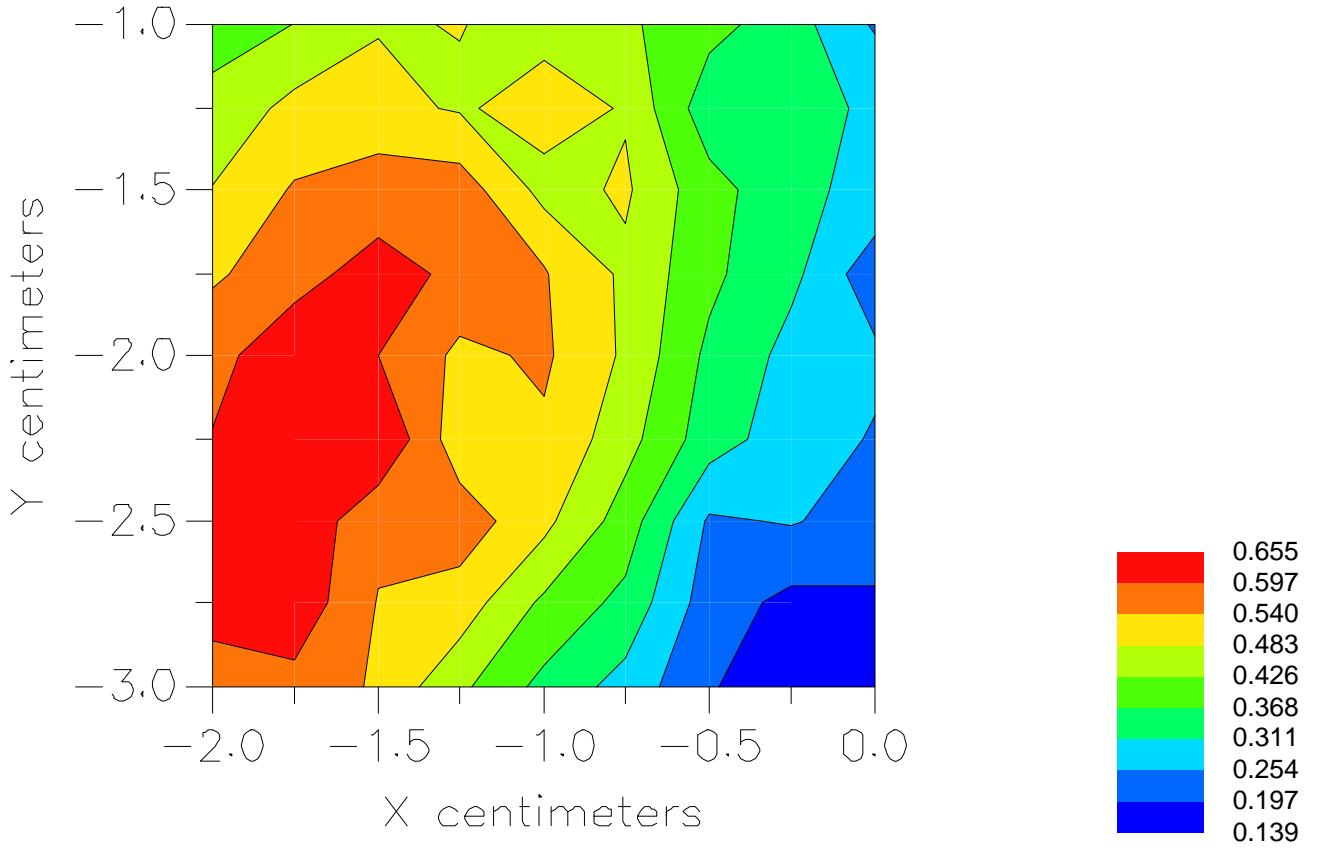


File : 01080717_ZOOM

Start : 7-Aug-101 03:24:48 pm End : 7-Aug-101 03:32:40 pm

HYUNDAI/PX-25B/72;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/01080716_ZOOM.VLT
Start : 7-Aug-101 03:10:24 pm End : 7-Aug-101 03:18:16 pm

Radio Type : HYUNDAI
Model Number : PX-25B
Serial Number : 72
Frequency : 1851.25 MHz
Peak Trans. Pwr : 0.300 W
Start Trans. Pwr : 0.300 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 PCS-MODE PHONE
CH 0025 24.8 dBm Conducted
HYUNDAI PCS-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 = -1.500, Y = -2.250, Z = 0.000 (cm) Value = 7.527

Measured Values (volts) =
6.971E-003 5.351E-003 3.777E-003 2.880E-003 2.323E-003 1.823E-003
1.383E-003 1.049E-003 8.564E-004 6.723E-004 5.489E-004 4.173E-004
3.591E-004 3.229E-004 2.727E-004 2.164E-004 2.271E-004 2.104E-004
1.674E-004 1.389E-004 2.392E-004

Calc. Voltage @ Surface (Vs) = 0.0095

Voltage @ 1.00 cm (Vt) = 0.0029

Ave. Voltage (Vs+Vt)/2 = 0.0062

Ave. SAR over 1 g (mW/g) = 0.7885

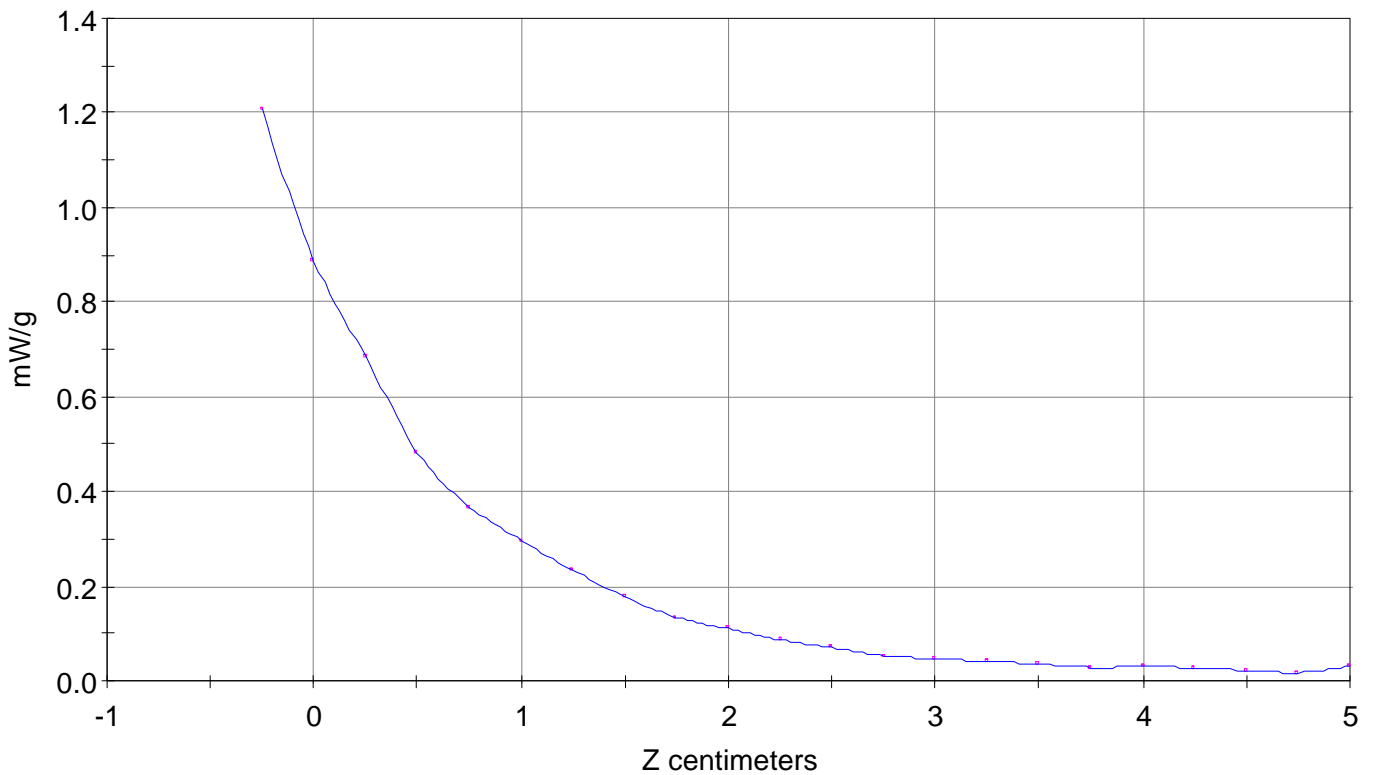
SAR Scan

File : 01080716_ZOOM

Start : 7-Aug-101 03:10:24 pm End : 7-Aug-101 03:18:16 pm

HYUNDAI/PX-25B/72;1851.25MHz;W;Helical/Out;

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

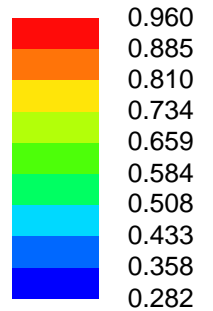
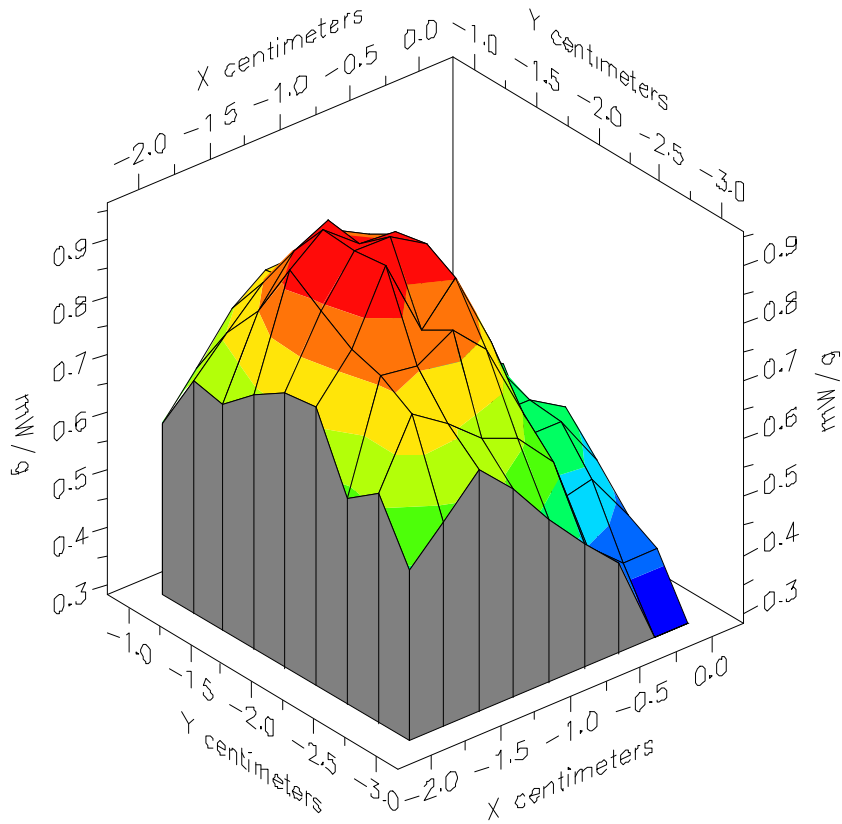


File : 01080716_ZOOM

Start : 7-Aug-101 03:10:24 pm End : 7-Aug-101 03:18:16 pm

HYUNDAI/PX-25B/72;1851.25MHz;W;Helical/Out;

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

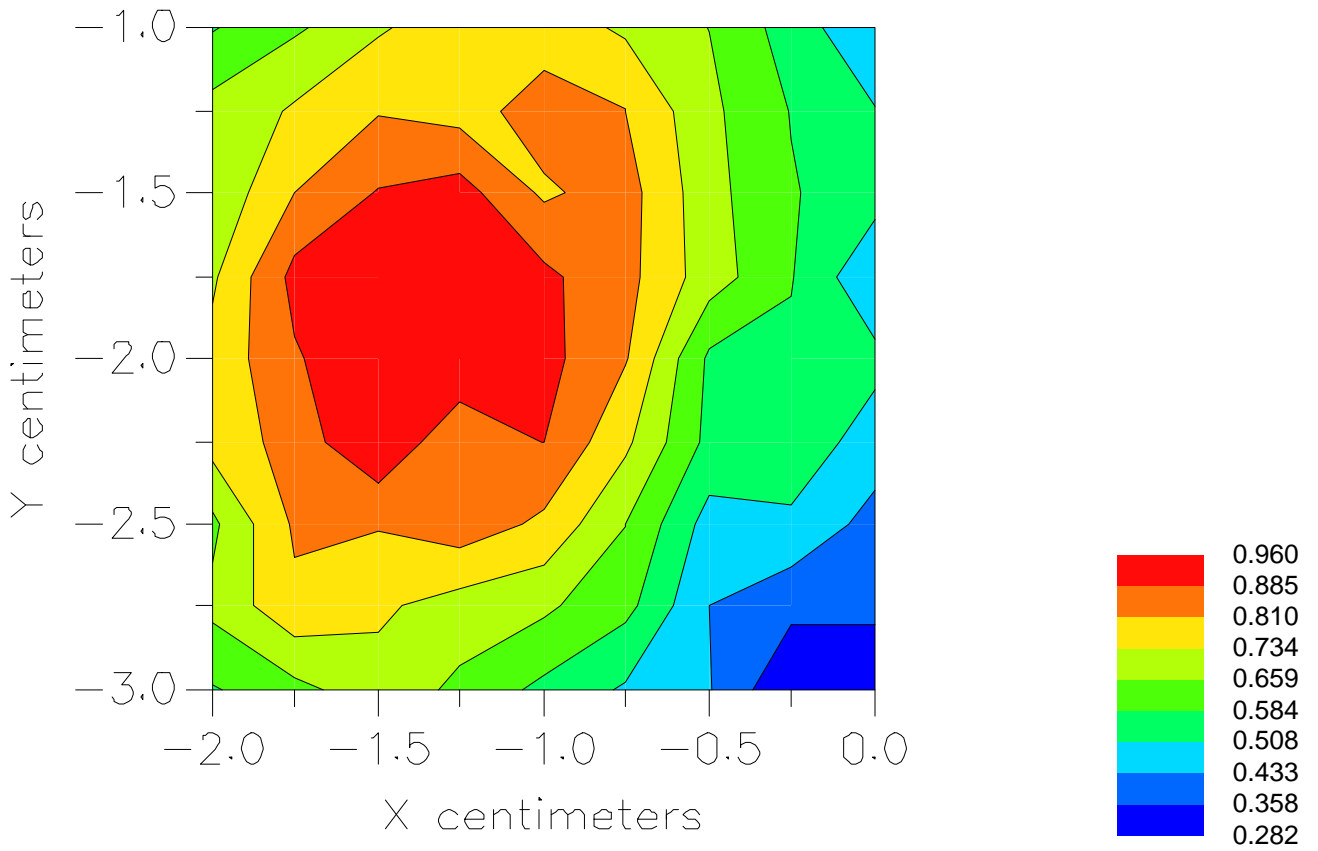


File : 01080716_ZOOM

Start : 7-Aug-101 03:10:24 pm End : 7-Aug-101 03:18:16 pm

HYUNDAI/PX-25B/72;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/01080718_ZOOM.VLT
Start : 7-Aug-101 03:45:51 pm End : 7-Aug-101 03:53:42 pm

Radio Type : HYUNDAI
Model Number : PX-25B
Serial Number : 72
Frequency : 1880.00 MHz
Peak Trans. Pwr : 0.300 W
Start Trans. Pwr : 0.300 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 PCS-MODE PHONE
CH 0600 24.8 dBm Conducted
HYUNDAI PCS-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 = -1.750, Y = -2.000, Z = 0.000 (cm) Value = 4.259

Measured Values (volts) =
4.228E-003 3.284E-003 2.312E-003 1.813E-003 1.411E-003 1.167E-003
9.519E-004 7.199E-004 6.331E-004 5.113E-004 4.522E-004 3.742E-004
3.049E-004 2.776E-004 2.778E-004 2.353E-004 2.312E-004 2.042E-004
1.867E-004 2.160E-004 1.709E-004

Calc. Voltage @ Surface (Vs) = 0.0057

Voltage @ 1.00 cm (Vt) = 0.0018

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

Ave. SAR over 1 g (mW/g) = 0.4809

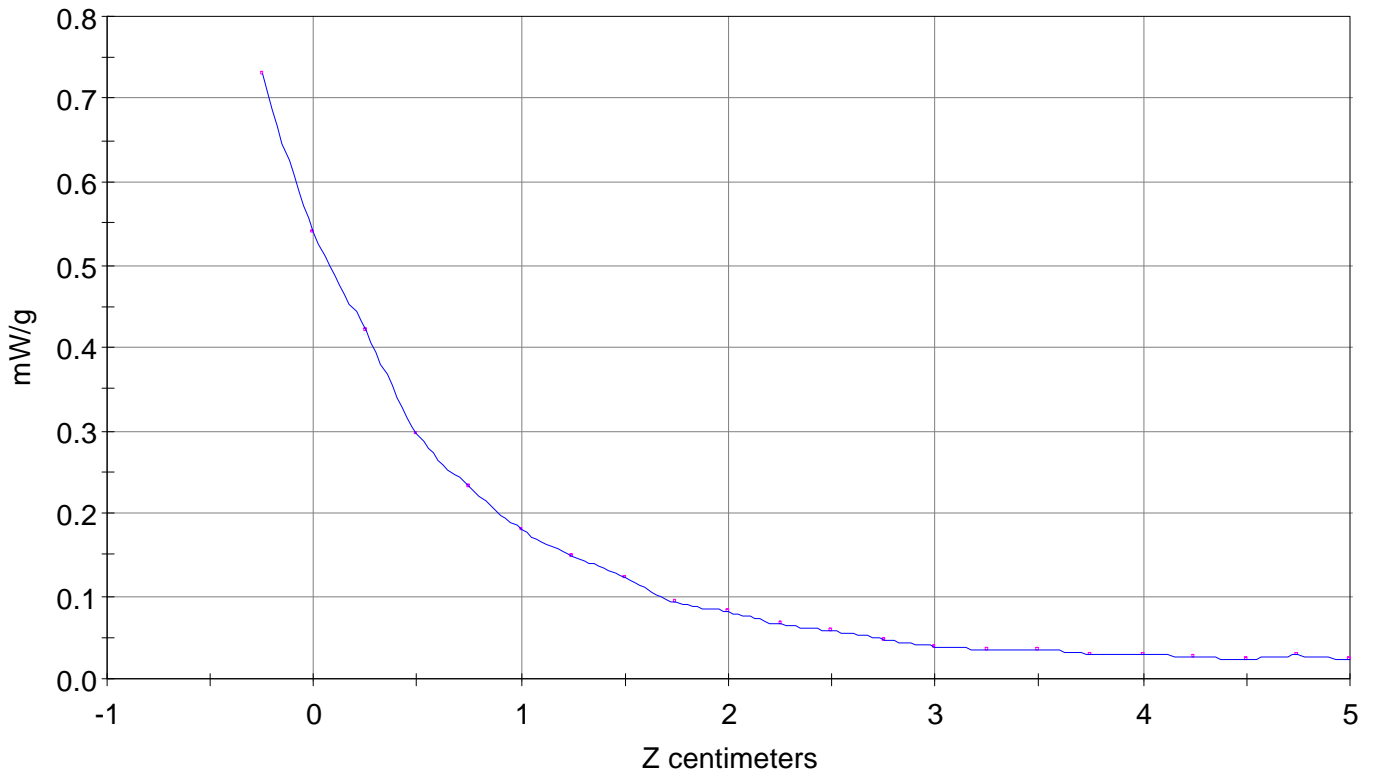
SAR Scan

File : 01080718_ZOOM

Start : 7-Aug-101 03:45:51 pm End : 7-Aug-101 03:53:42 pm

HYUNDAI/PX-25B/72;1880.00MHz;W;Helical/In;

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

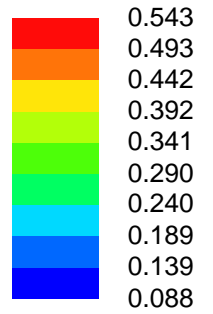
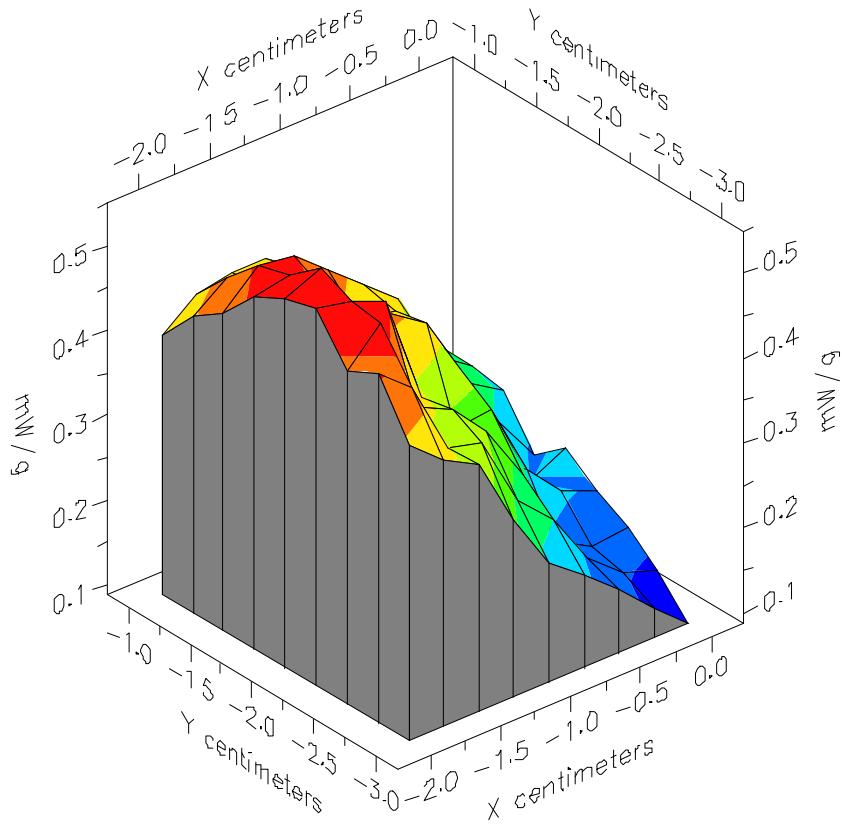


File : 01080718_ZOOM

Start : 7-Aug-101 03:45:51 pm End : 7-Aug-101 03:53:42 pm

HYUNDAI/PX-25B/72;1880.00MHz;W;Helical/In;

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

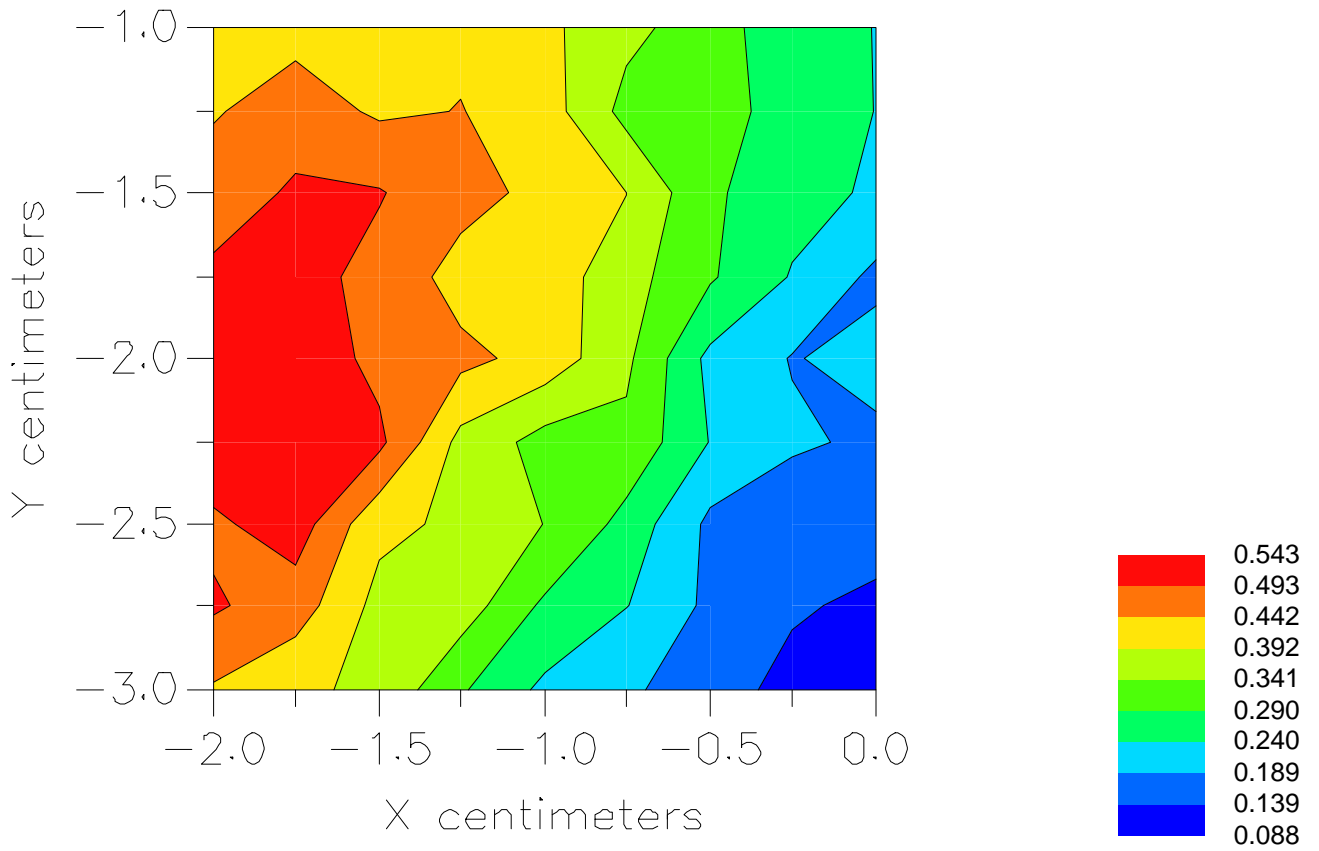


File : 01080718_ZOOM

Start : 7-Aug-101 03:45:51 pm End : 7-Aug-101 03:53:42 pm

HYUNDAI/PX-25B/72;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/01080711_ZOOM.VLT
Start : 7-Aug-101 12:36:23 pm End : 7-Aug-101 12:48:22 pm

Radio Type : HYUNDAI
Model Number : PX-25B
Serial Number : 72
Frequency : 1880.00 MHz
Peak Trans. Pwr : 0.300 W
Start Trans. Pwr : 0.300 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 PCS-MODE PHONE
CH 0600 24.8 dBm Conducted
HYUNDAI PCS-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 = -1.750, Y = -2.000, Z = 0.000 (cm) Value = 6.905

Measured Values (volts) =
7.095E-003 5.241E-003 3.772E-003 2.828E-003 2.271E-003 1.776E-003
1.368E-003 1.020E-003 8.480E-004 6.483E-004 5.170E-004 4.437E-004
4.005E-004 3.421E-004 2.410E-004 2.463E-004 2.449E-004 2.383E-004
1.802E-004 1.751E-004 1.512E-004

Calc. Voltage @ Surface (Vs) = 0.0097

Voltage @ 1.00 cm (Vt) = 0.0028

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

Ave. SAR over 1 g (mW/g) = 0.8011

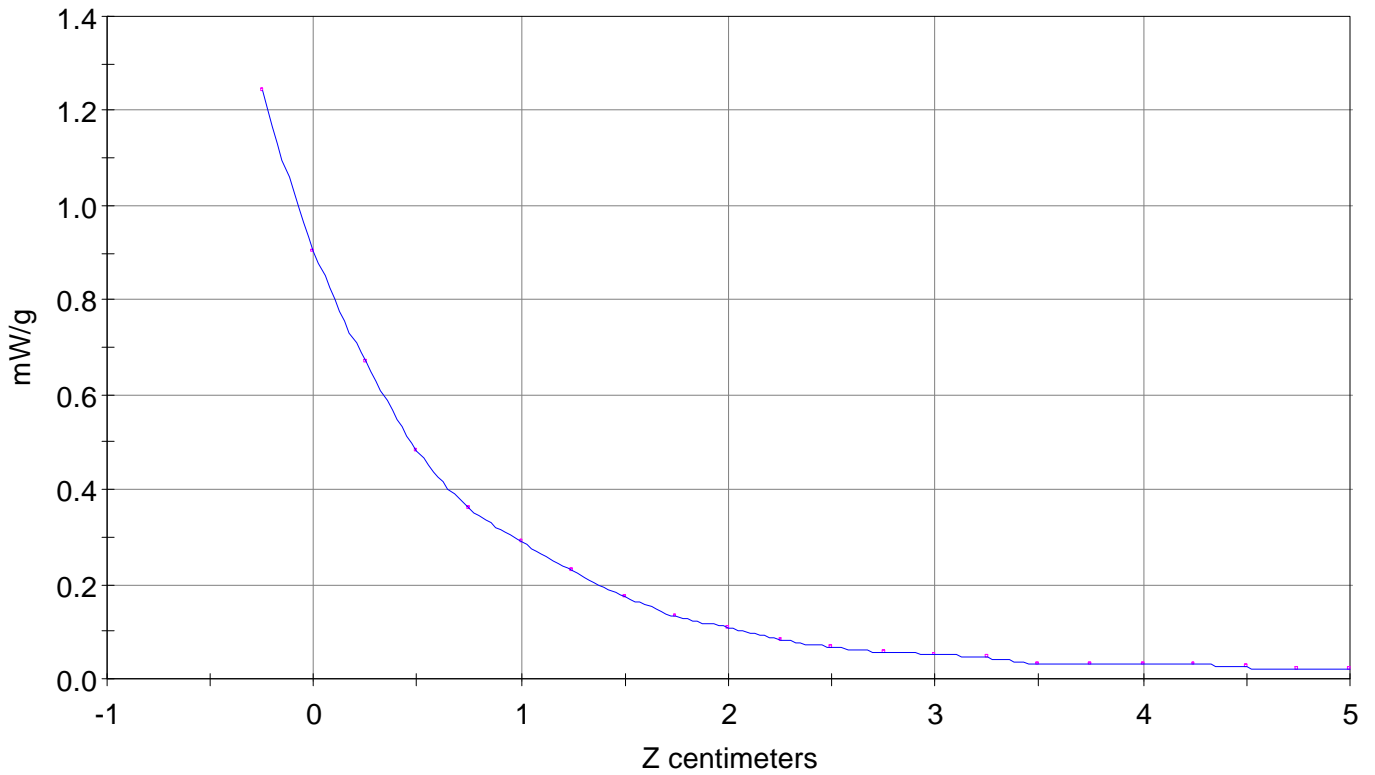
SAR Scan

File : 01080711_ZOOM

Start : 7-Aug-101 12:36:23 pm End : 7-Aug-101 12:48:22 pm

HYUNDAI/PX-25B/72;1880.00MHz;W;Helical/Out;

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

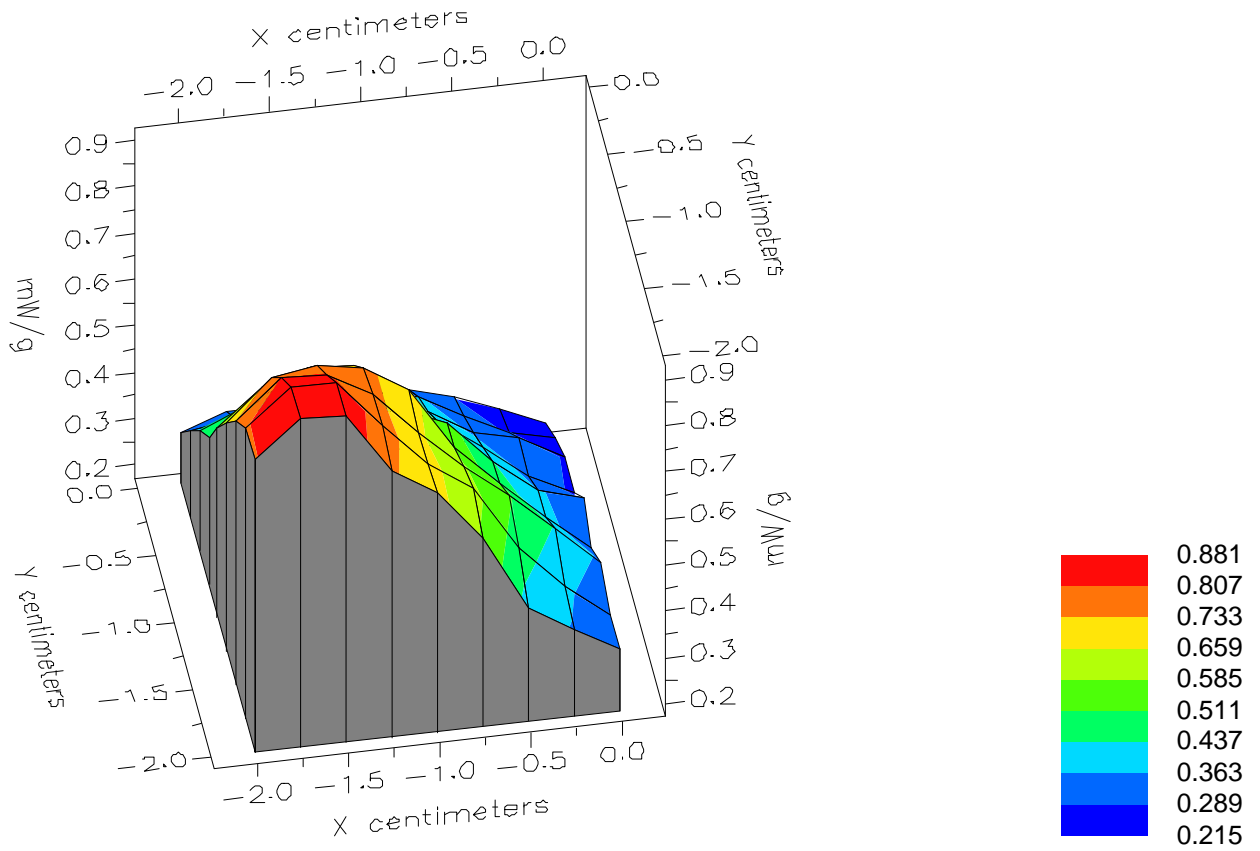


File : 01080711_ZOOM

Start : 7-Aug-101 12:36:23 pm End : 7-Aug-101 12:48:22 pm

HYUNDAI/PX-25B/72;1880.00MHz;W;Helical/Out;

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

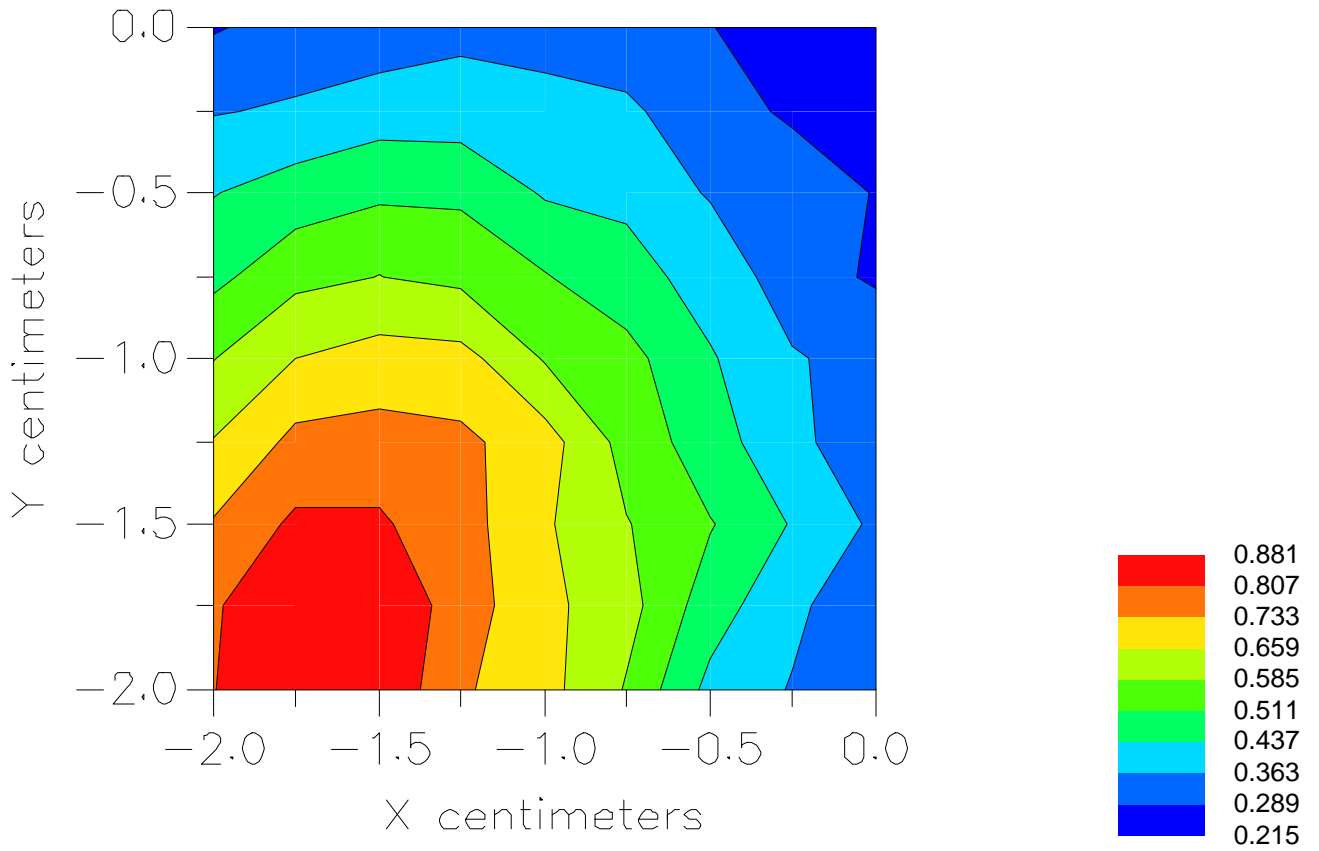


File : 01080711_ZOOM

Start : 7-Aug-101 12:36:23 pm End : 7-Aug-101 12:48:22 pm

HYUNDAI/PX-25B/72;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/01080714_ZOOM.VLT
Start : 7-Aug-101 02:50:22 pm End : 7-Aug-101 03:03:15 pm

Radio Type : HYUNDAI
Model Number : PX-25B
Serial Number : 72
Frequency : 1908.75 MHz
Peak Trans. Pwr : 0.300 W
Start Trans. Pwr : 0.300 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 PCS-MODE PHONE
CH 1175 24.8 dBm Conducted
HYUNDAI PCS-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 = -1.500, Y = -2.000, Z = 0.000 (cm) Value = 5.257

Measured Values (volts) =
5.202E-003 4.071E-003 3.009E-003 2.264E-003 1.888E-003 1.516E-003
1.186E-003 9.449E-004 7.721E-004 6.299E-004 5.684E-004 4.405E-004
4.129E-004 3.193E-004 2.989E-004 2.606E-004 2.372E-004 2.190E-004
2.257E-004 1.941E-004 1.715E-004

Calc. Voltage @ Surface (Vs) = 0.0068

Voltage @ 1.00 cm (Vt) = 0.0023

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

Ave. SAR over 1 g (mW/g) = 0.5810

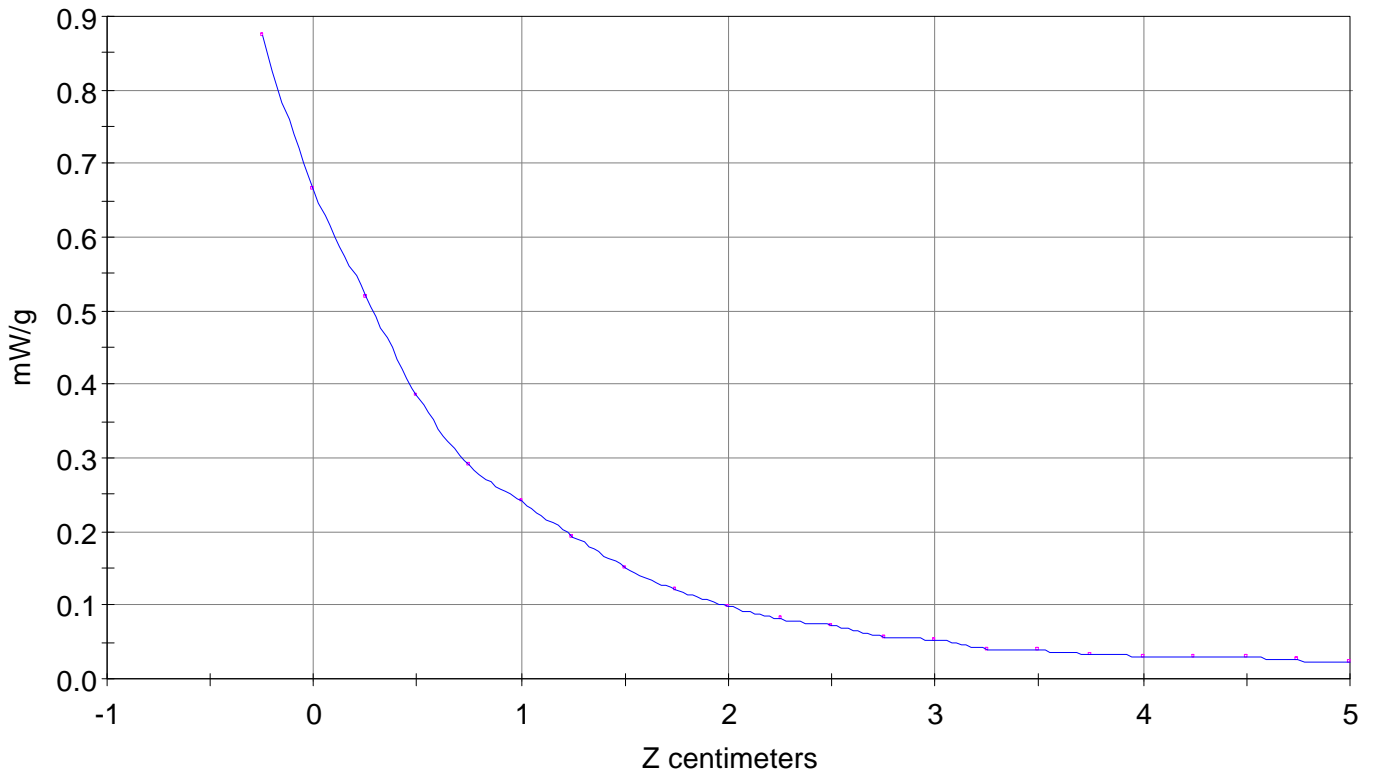
SAR Scan

File : 01080714_ZOOM

Start : 7-Aug-101 02:50:22 pm End : 7-Aug-101 03:03:15 pm

HYUNDAI/PX-25B/72;1908.75MHz;W;Helical/In;

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

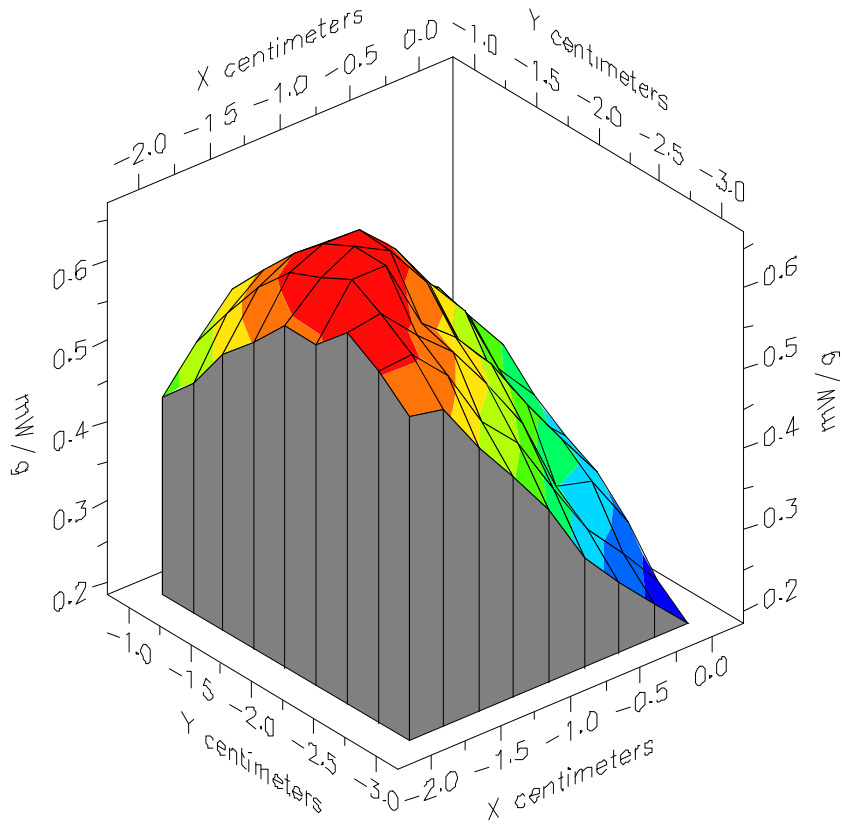


File : 01080714_ZOOM

Start : 7-Aug-101 02:50:22 pm End : 7-Aug-101 03:03:15 pm

HYUNDAI/PX-25B/72;1908.75MHz;W;Helical/In;

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

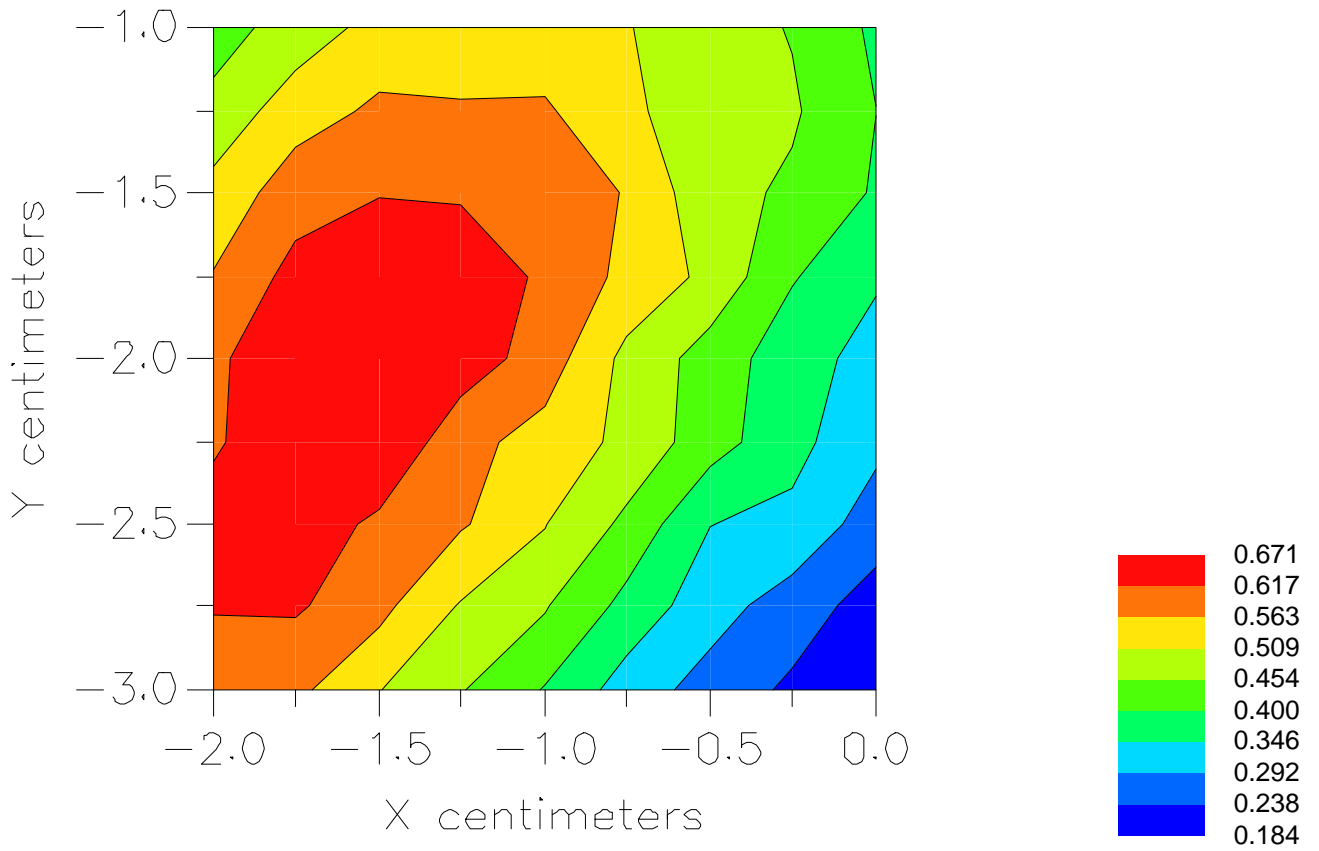


File : 01080714_ZOOM

Start : 7-Aug-101 02:50:22 pm End : 7-Aug-101 03:03:15 pm

HYUNDAI/PX-25B/72;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/01080712_ZOOM.VLT
Start : 7-Aug-101 02:30:59 pm End : 7-Aug-101 02:43:53 pm

Radio Type : HYUNDAI
Model Number : PX-25B
Serial Number : 72
Frequency : 1908.75 MHz
Peak Trans. Pwr : 0.300 W
Start Trans. Pwr : 0.300 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 PCS-MODE PHONE
CH 1175 24.8 dBm Conducted
HYUNDAI PCS-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 = -1.250, Y = -2.000, Z = 0.000 (cm) Value = 7.961

Measured Values (volts) =
7.306E-003 5.250E-003 3.804E-003 2.935E-003 2.371E-003 1.864E-003
1.439E-003 1.090E-003 8.923E-004 7.022E-004 5.423E-004 4.741E-004
4.134E-004 3.385E-004 2.671E-004 2.582E-004 2.163E-004 1.814E-004
2.027E-004 2.140E-004 1.707E-004

Calc. Voltage @ Surface (Vs) = 0.0101

Voltage @ 1.00 cm (Vt) = 0.0029

Ave. Voltage (Vs+Vt)/2 = 0.0065

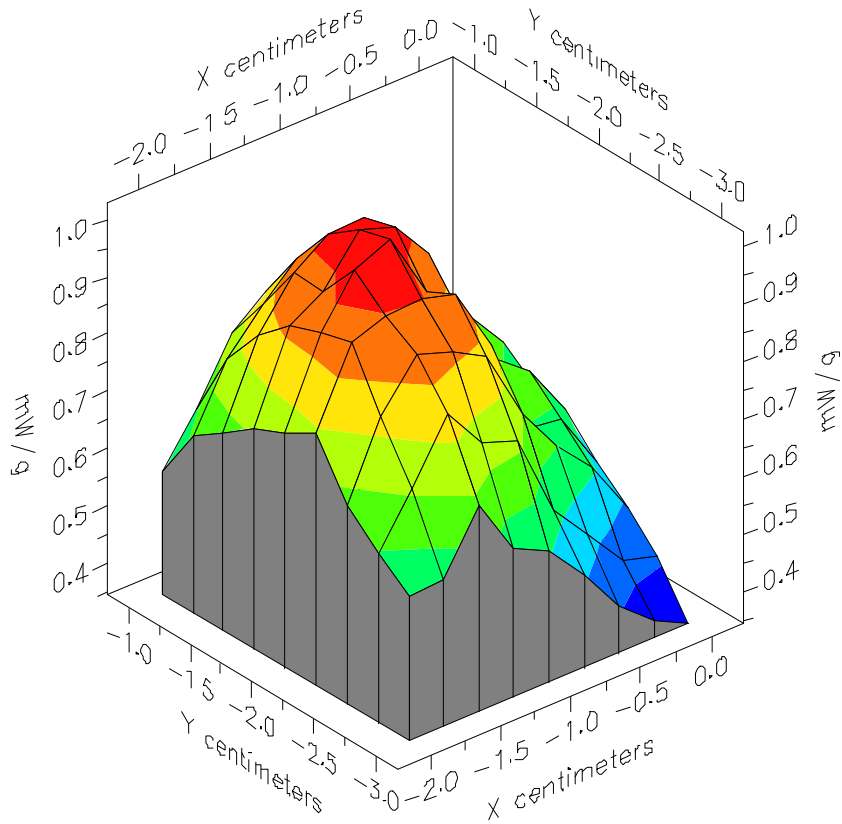
Ave. SAR over 1 g (mW/g) = 0.8331

File : 01080712_ZOOM

Start : 7-Aug-101 02:30:59 pm End : 7-Aug-101 02:43:53 pm

HYUNDAI/PX-25B/72;1908.75MHz;W;Helical/Out;

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



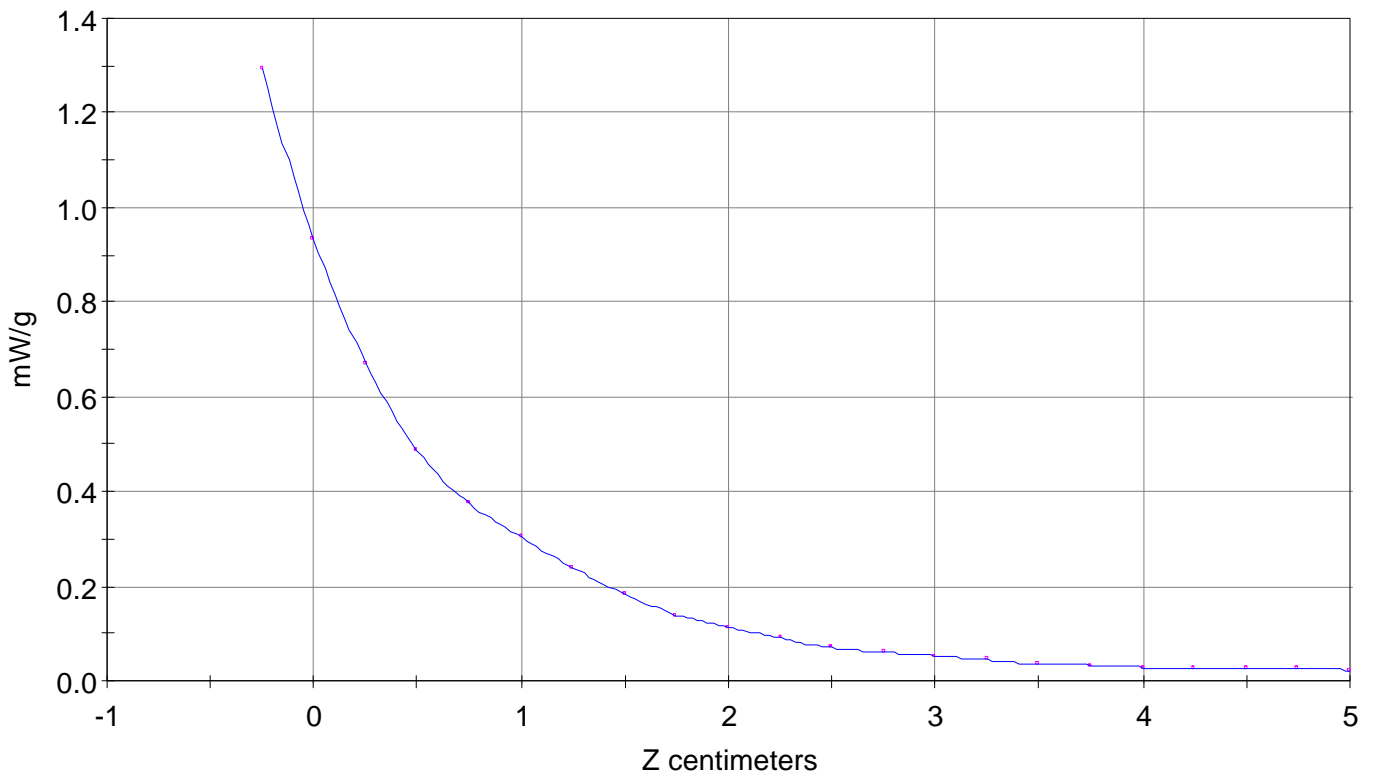
SAR Scan

File : 01080712_ZOOM

Start : 7-Aug-101 02:30:59 pm End : 7-Aug-101 02:43:53 pm

HYUNDAI/PX-25B/72;1908.75MHz;W;Helical/Out;

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



File : 01080712_ZOOM

Start : 7-Aug-101 02:30:59 pm End : 7-Aug-101 02:43:53 pm

HYUNDAI/PX-25B/72;1908.75MHz;W;Helical/Out;

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

