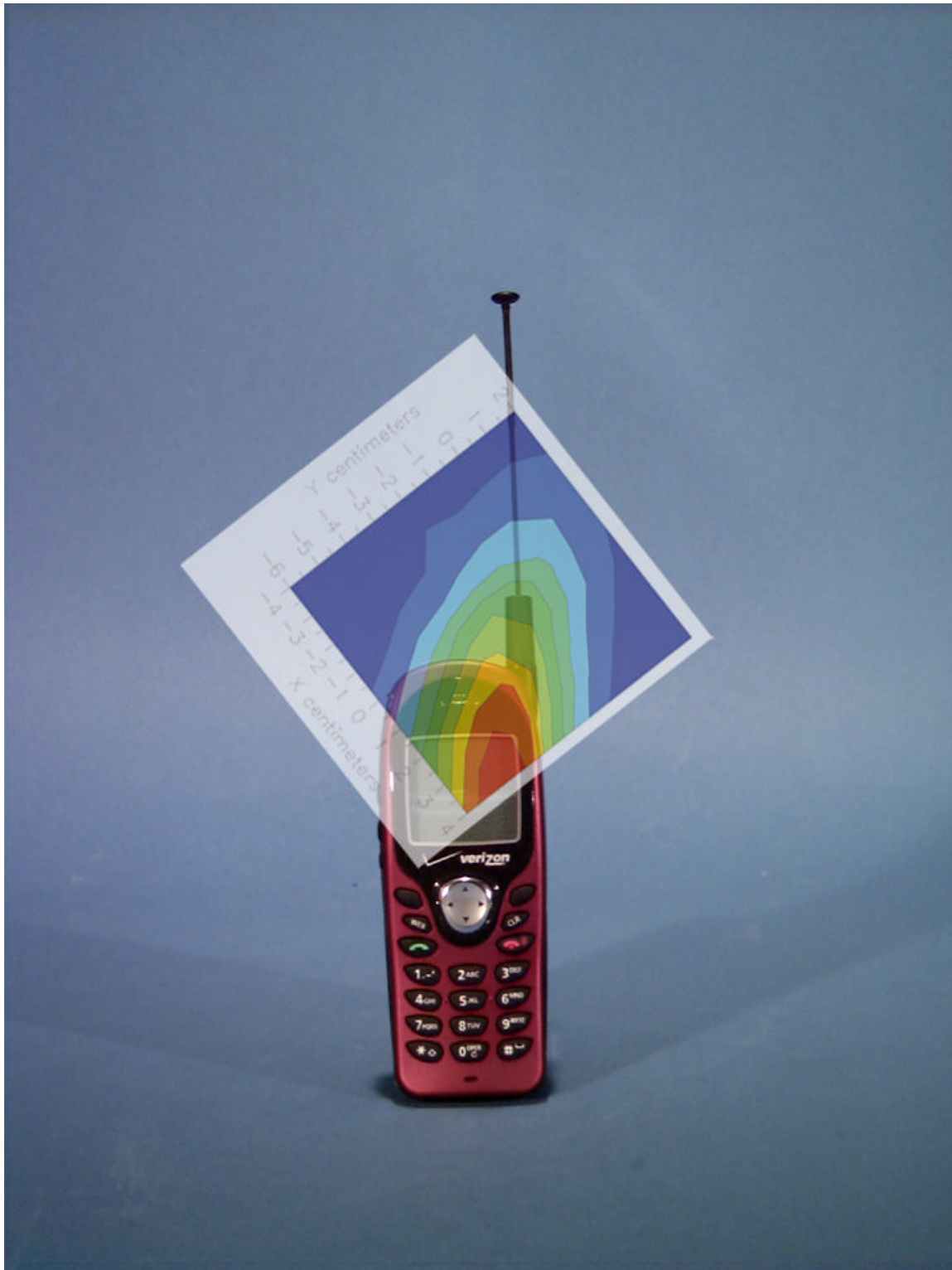


ATTACHMENT O – SAR TEST DATA

Peak SAR Location

800 MHz Head SAR



File : c:/idx3/SYSTEM/SARMEAS3/data/Normal/01073016_ZOOM.VLT
Start : 30-Jul-101 03:50:30 pm End : 30-Jul-101 04:02:58 pm

Radio Type : HYUNDAI
Model Number : TX-25B
Serial Number : 24
Frequency : 824.04 MHz
Peak Trans. Pwr : 0.530 W
Start Trans. Pwr : 0.530 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 27.2 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 = 2.750, Y = -5.000, Z = 0.000 (cm) Value = 11.834

Measured Values (volts) =
1.118E-002 8.653E-003 7.680E-003 7.477E-003 6.620E-003 6.280E-003
5.645E-003 4.159E-003 4.439E-003 4.435E-003 4.467E-003 9.899E-003
3.904E-003 2.742E-003 3.531E-003 2.992E-003 2.956E-003 3.503E-003
3.793E-003 2.987E-003 4.294E-003

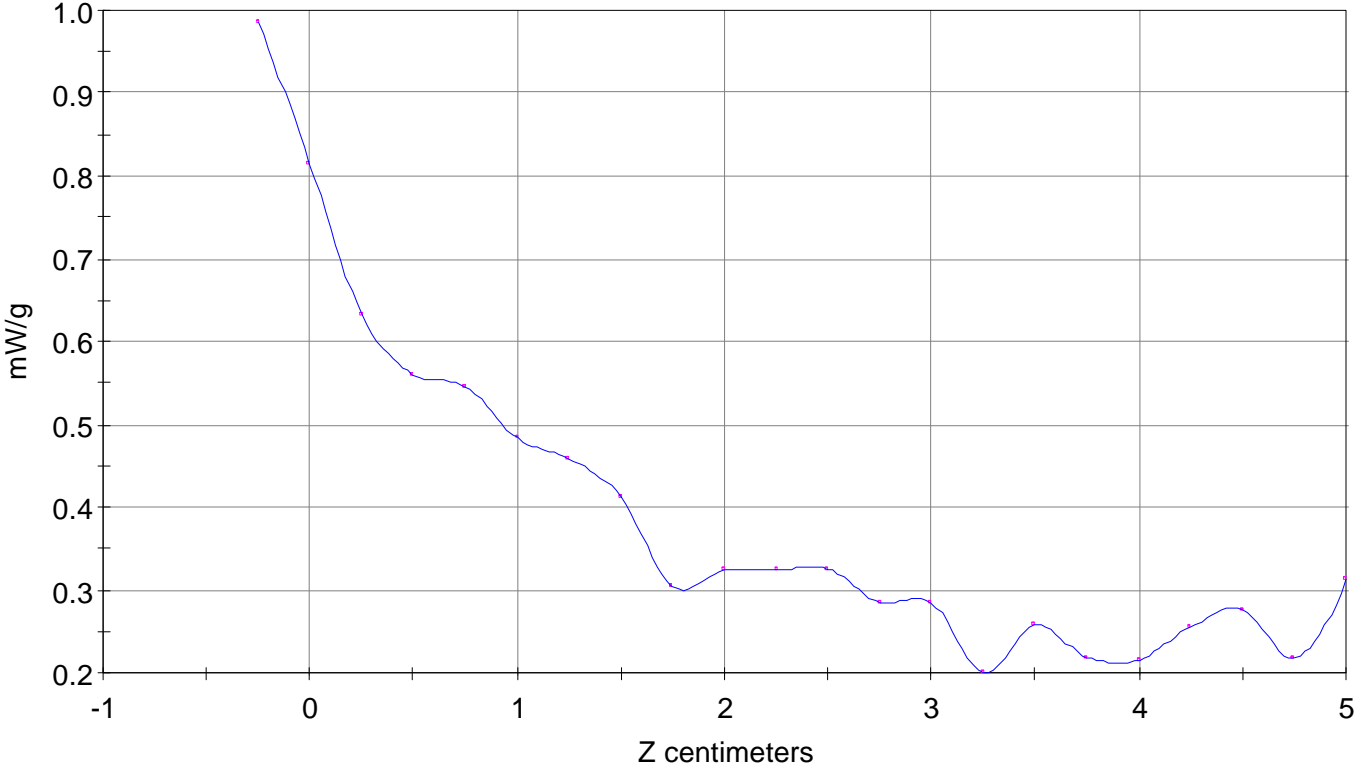
Calc. Voltage @ Surface (Vs) = 0.0135

Voltage @ 1.00 cm (Vt) = 0.0075

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

Ave. SAR over 1 g (mW/g) = 0.7660

SAR Scan
File : 01073016_ZOOM
Start : 30-Jul-101 03:50:30 pm End : 30-Jul-101 04:02:58 pm
HYUNDAI/TX-25B/24;824.04MHz;W;Helical/In;
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/41.500/0.900

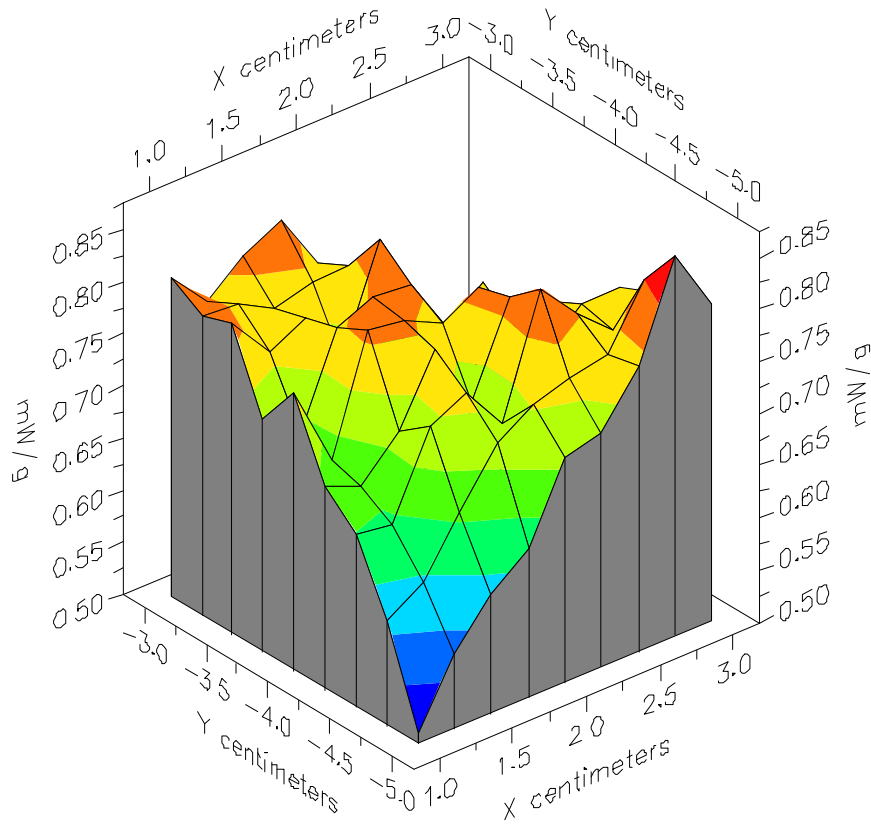


File : 01073016_ZOOM

Start : 30-Jul-101 03:50:30 pm End : 30-Jul-101 04:02:58 pm

HYUNDAI/TX-25B/24;824.04MHz;W;Helical/In;

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

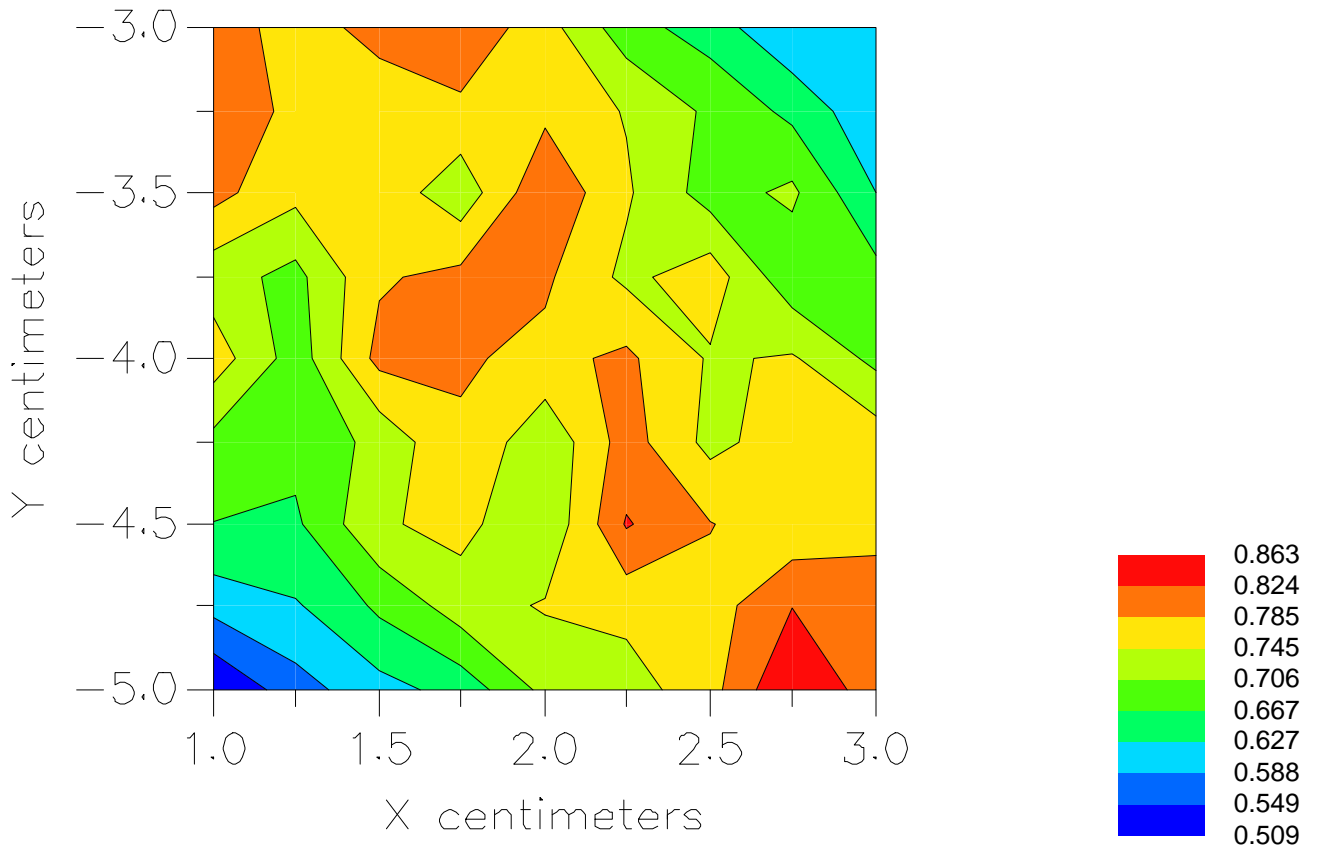


File : 01073016_ZOOM

Start : 30-Jul-101 03:50:30 pm End : 30-Jul-101 04:02:58 pm

HYUNDAI/TX-25B/24;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/01080614_ZOOM.VLT
Start : 6-Aug-101 01:33:02 pm End : 6-Aug-101 01:43:11 pm

Radio Type : HYUNDAI
Model Number : TX-25B
Serial Number : 24
Frequency : 824.04 MHz
Peak Trans. Pwr : 0.560 W
Start Trans. Pwr : 0.560 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 27.5 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 = 3.000, Y = -4.750, Z = 0.000 (cm) Value = 18.261

Measured Values (volts) =
1.791E-002 1.450E-002 1.245E-002 1.062E-002 9.032E-003 7.414E-003
6.333E-003 5.290E-003 4.541E-003 4.022E-003 3.698E-003 3.457E-003
3.211E-003 2.929E-003 2.526E-003 2.070E-003 1.565E-003 1.182E-003
8.701E-004 7.419E-004 7.395E-004

Calc. Voltage @ Surface (Vs) = 0.0215

Voltage @ 1.00 cm (Vt) = 0.0106

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

Ave. SAR over 1 g (mW/g) = 1.1714

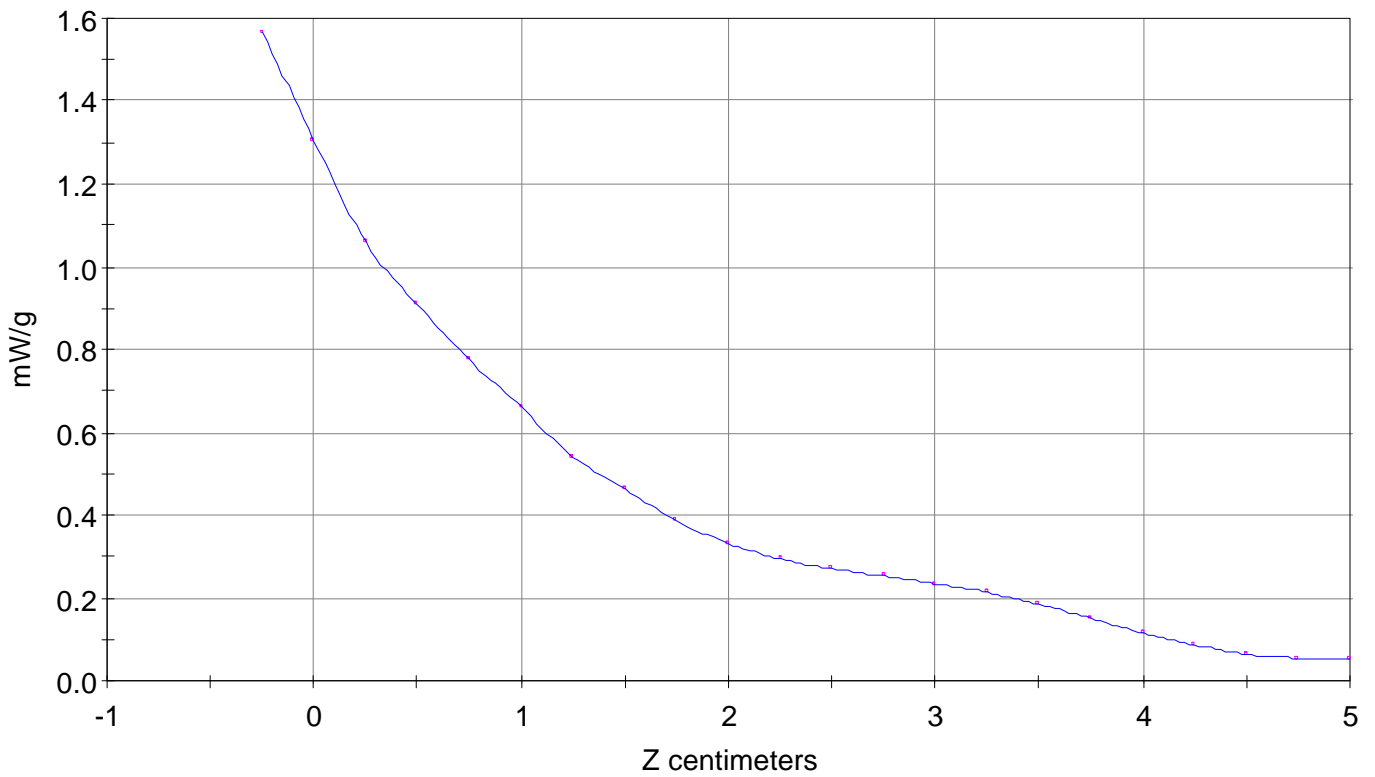
SAR Scan

File : 01080614_ZOOM

Start : 6-Aug-101 01:33:02 pm End : 6-Aug-101 01:43:11 pm

HYUNDAI/TX-25B/24;824.04MHz;W;Helical/Out;

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

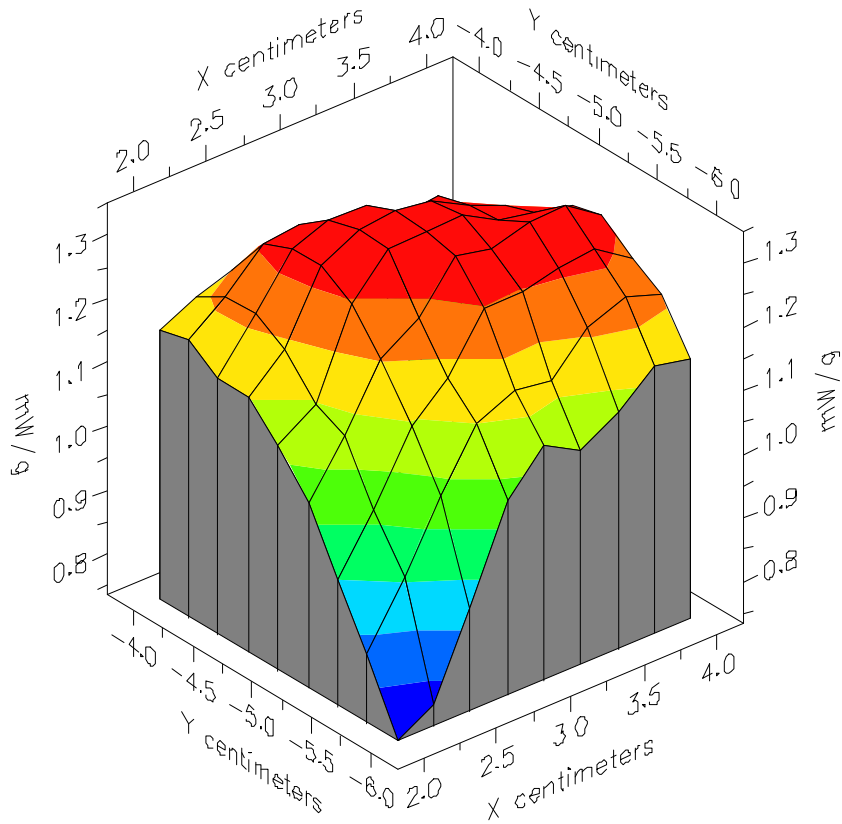


File : 01080614_ZOOM

Start : 6-Aug-101 01:33:02 pm End : 6-Aug-101 01:43:11 pm

HYUNDAI/TX-25B/24;824.04MHz;W;Helical/Out;

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

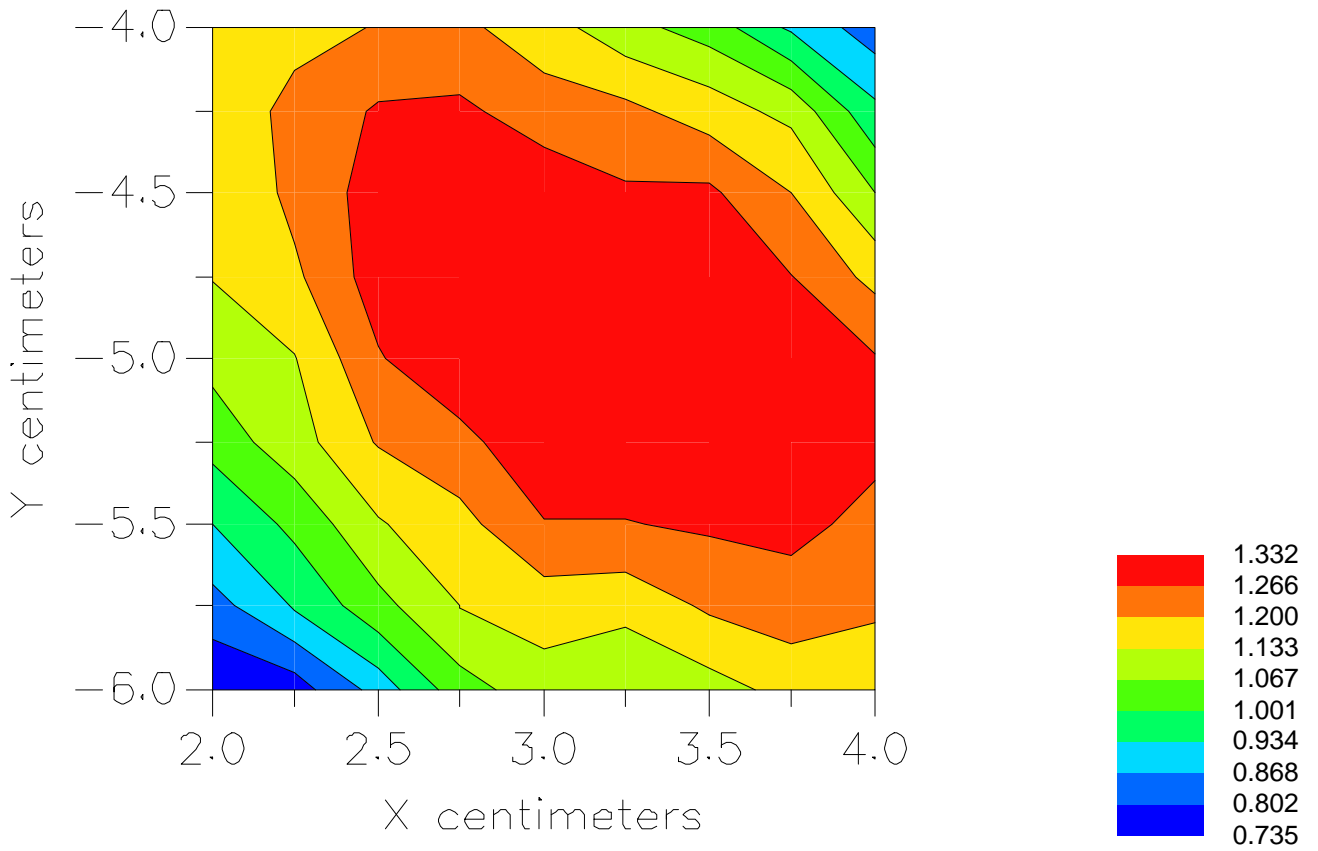


File : 01080614_ZOOM

Start : 6-Aug-101 01:33:02 pm End : 6-Aug-101 01:43:11 pm

HYUNDAI/TX-25B/24;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/01073017_ZOOM.VLT
Start : 30-Jul-101 04:22:20 pm End : 30-Jul-101 04:31:56 pm

Radio Type : HYUNDAI
Model Number : TX-25B
Serial Number : 24
Frequency : 836.49 MHz
Peak Trans. Pwr : 0.530 W
Start Trans. Pwr : 0.530 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 27.2 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 = -4.250, Z = 0.000 (cm) Value = 11.666

Measured Values (volts) =
1.086E-002 8.109E-003 7.379E-003 6.390E-003 6.043E-003 5.483E-003
5.357E-003 4.598E-003 3.976E-003 4.438E-003 3.934E-003 3.383E-003
3.509E-003 2.706E-003 2.644E-003 2.482E-003 2.212E-003 1.725E-003
2.502E-003 1.696E-003 2.944E-003

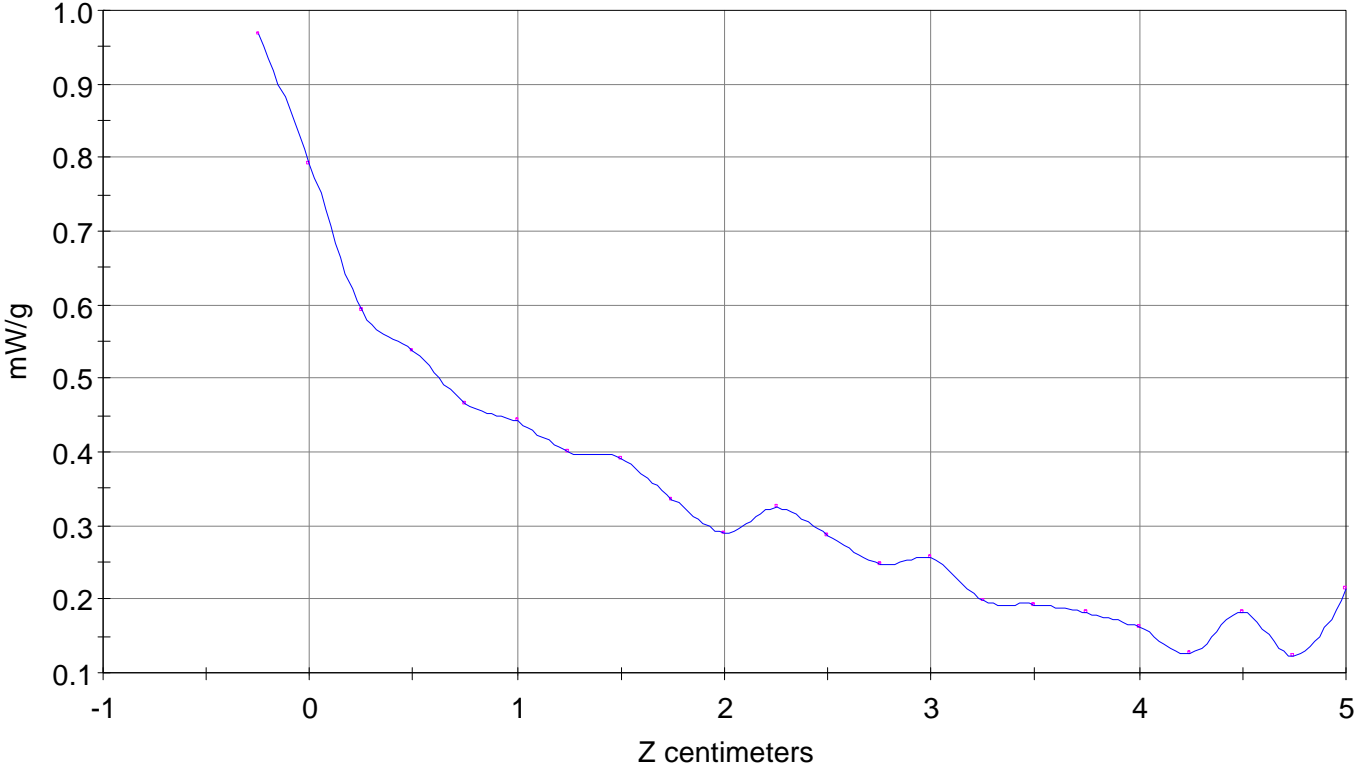
Calc. Voltage @ Surface (Vs) = 0.0132

Voltage @ 1.00 cm (Vt) = 0.0064

Ave. Voltage (Vs+Vt)/2 = 0.0098

Ave. SAR over 1 g (mW/g) = 0.7162

SAR Scan
File : 01073017_ZOOM
Start : 30-Jul-101 04:22:20 pm End : 30-Jul-101 04:31:56 pm
HYUNDAI/TX-25B/24;836.49MHz;W;Helical/In;
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/41.500/0.900

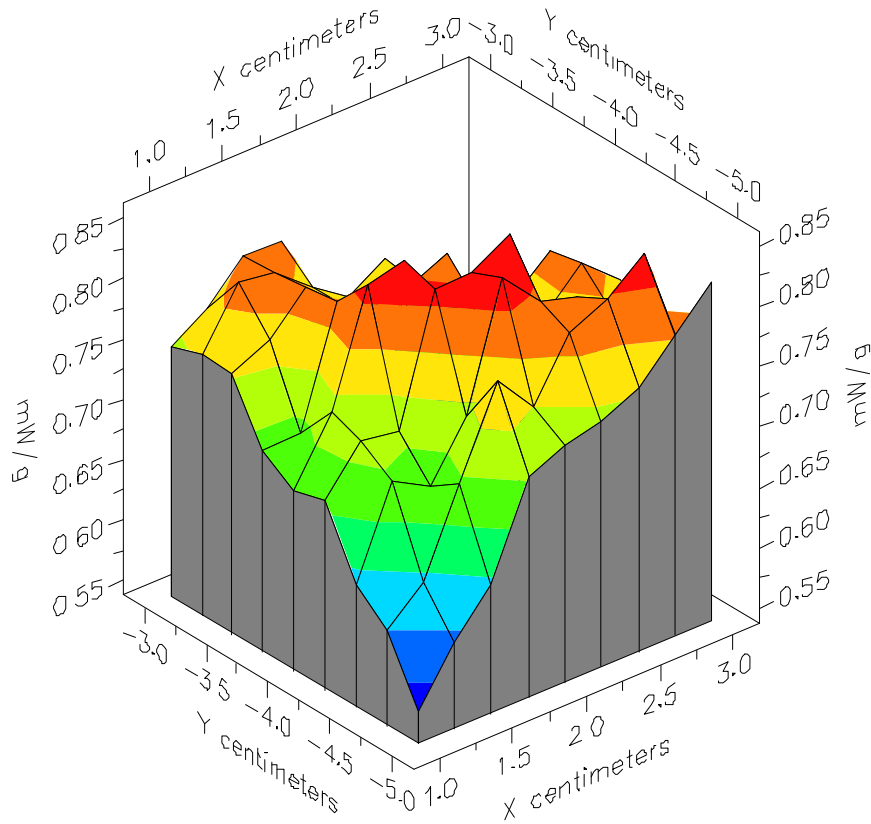


File : 01073017_ZOOM

Start : 30-Jul-101 04:22:20 pm End : 30-Jul-101 04:31:56 pm

HYUNDAI/TX-25B/24;836.49MHz;W;Helical/In;

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

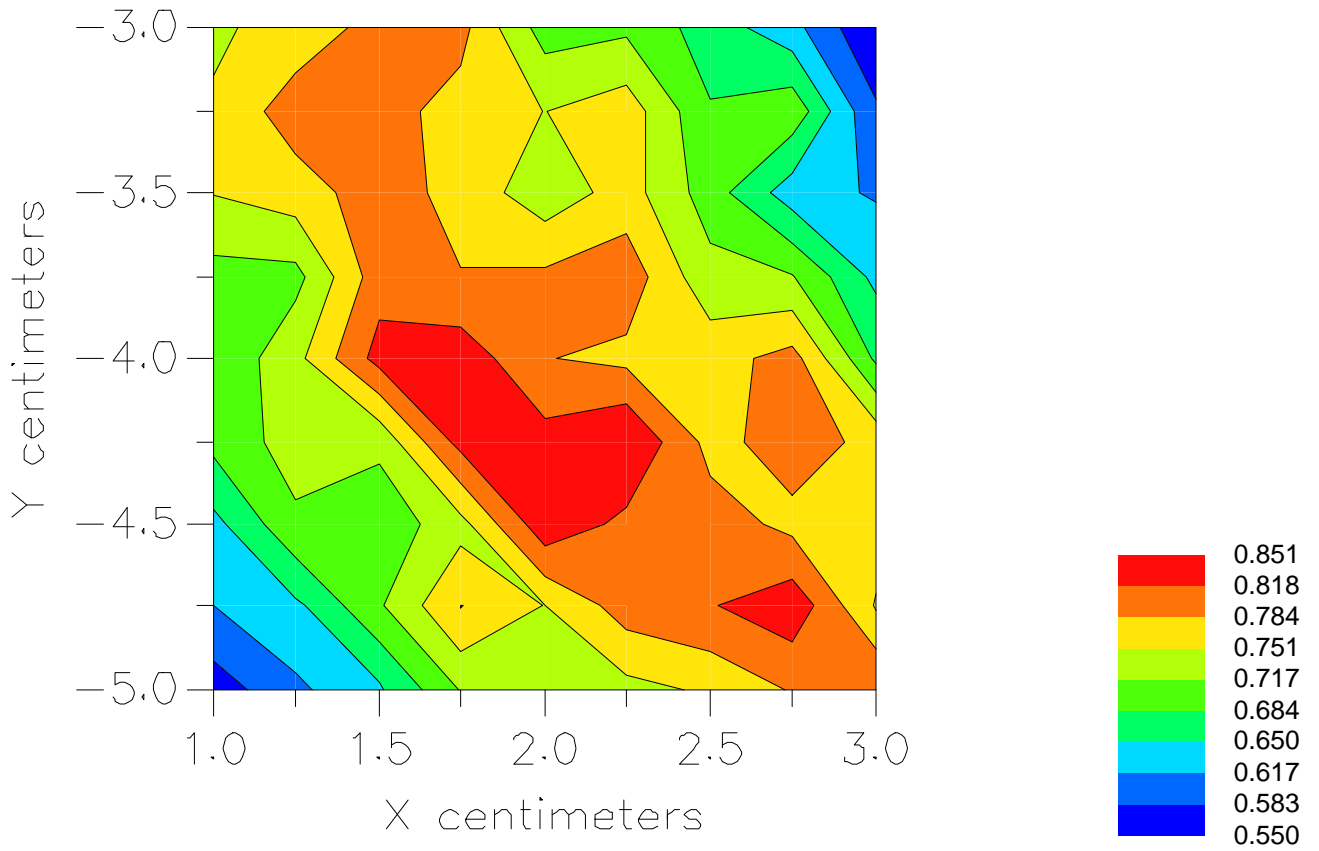


File : 01073017_ZOOM

Start : 30-Jul-101 04:22:20 pm End : 30-Jul-101 04:31:56 pm

HYUNDAI/TX-25B/24;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/01080616_ZOOM.VLT
Start : 6-Aug-101 02:20:45 pm End : 6-Aug-101 02:30:31 pm

Radio Type : HYUNDAI
Model Number : TX-25B
Serial Number : 24
Frequency : 836.49 MHz
Peak Trans. Pwr : 0.560 W
Start Trans. Pwr : 0.560 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 27.5 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 = 3.500, Y = -5.250, Z = 0.000 (cm) Value = 16.047

Measured Values (volts) =
1.588E-002 1.288E-002 1.097E-002 9.255E-003 7.855E-003 6.540E-003
5.531E-003 4.657E-003 4.068E-003 3.649E-003 3.291E-003 3.063E-003
2.818E-003 2.528E-003 2.142E-003 1.749E-003 1.332E-003 1.032E-003
8.145E-004 7.690E-004 8.193E-004

Calc. Voltage @ Surface (Vs) = 0.0191

Voltage @ 1.00 cm (Vt) = 0.0093

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

Ave. SAR over 1 g (mW/g) = 1.0348

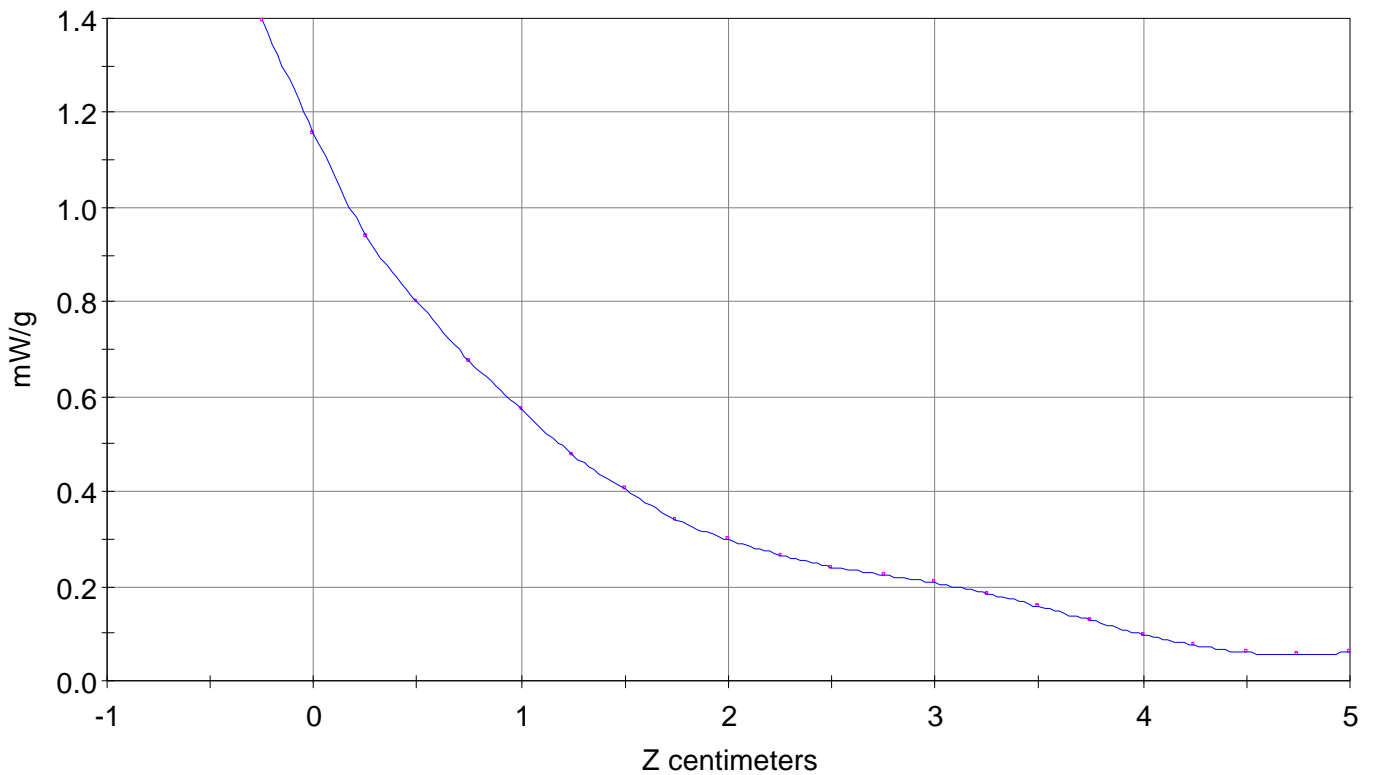
SAR Scan

File : 01080616_ZOOM

Start : 6-Aug-101 02:20:45 pm End : 6-Aug-101 02:30:31 pm

HYUNDAI/TX-25B/24;836.49MHz;W;Helical/Out;

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

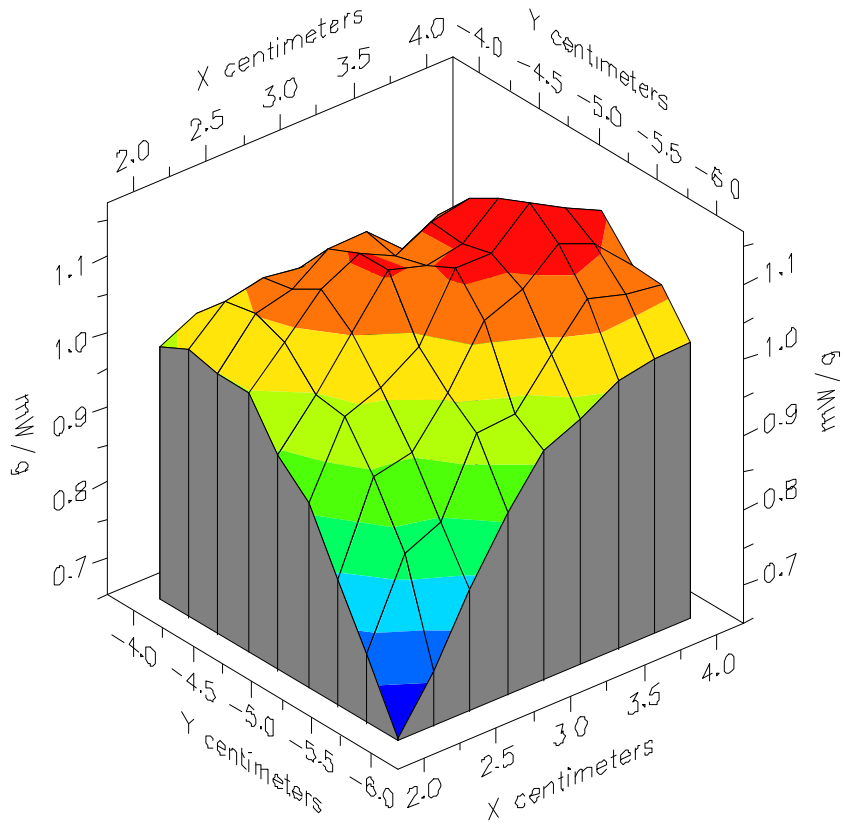


File : 01080616_ZOOM

Start : 6-Aug-101 02:20:45 pm End : 6-Aug-101 02:30:31 pm

HYUNDAI/TX-25B/24;836.49MHz;W;Helical/Out;

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

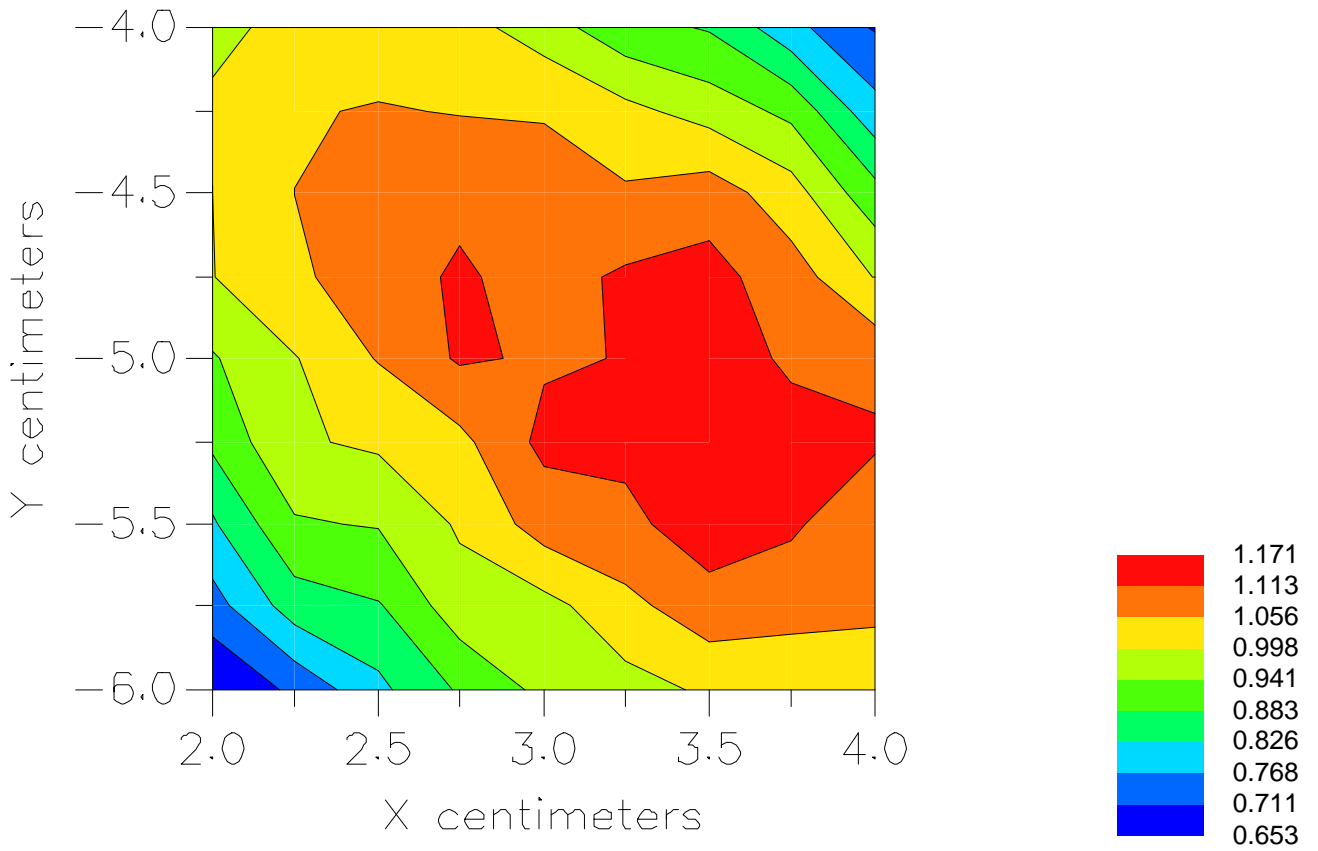


File : 01080616_ZOOM

Start : 6-Aug-101 02:20:45 pm End : 6-Aug-101 02:30:31 pm

HYUNDAI/TX-25B/24;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/01073019_ZOOM.VLT
Start : 30-Jul-101 04:42:48 pm End : 30-Jul-101 04:52:25 pm

Radio Type : HYUNDAI
Model Number : TX-25B
Serial Number : 24
Frequency : 848.97 MHz
Peak Trans. Pwr : 0.530 W
Start Trans. Pwr : 0.530 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 27.2 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 = 3.000, Y = -4.750, Z = 0.000 (cm) Value = 9.315

Measured Values (volts) =
8.010E-003 5.756E-003 5.215E-003 4.269E-003 4.038E-003 3.949E-003
3.467E-003 2.690E-003 2.441E-003 2.804E-003 2.916E-003 1.947E-003
1.663E-003 1.815E-003 1.627E-003 1.459E-003 1.095E-003 9.328E-004
1.490E-003 1.623E-003 2.002E-003

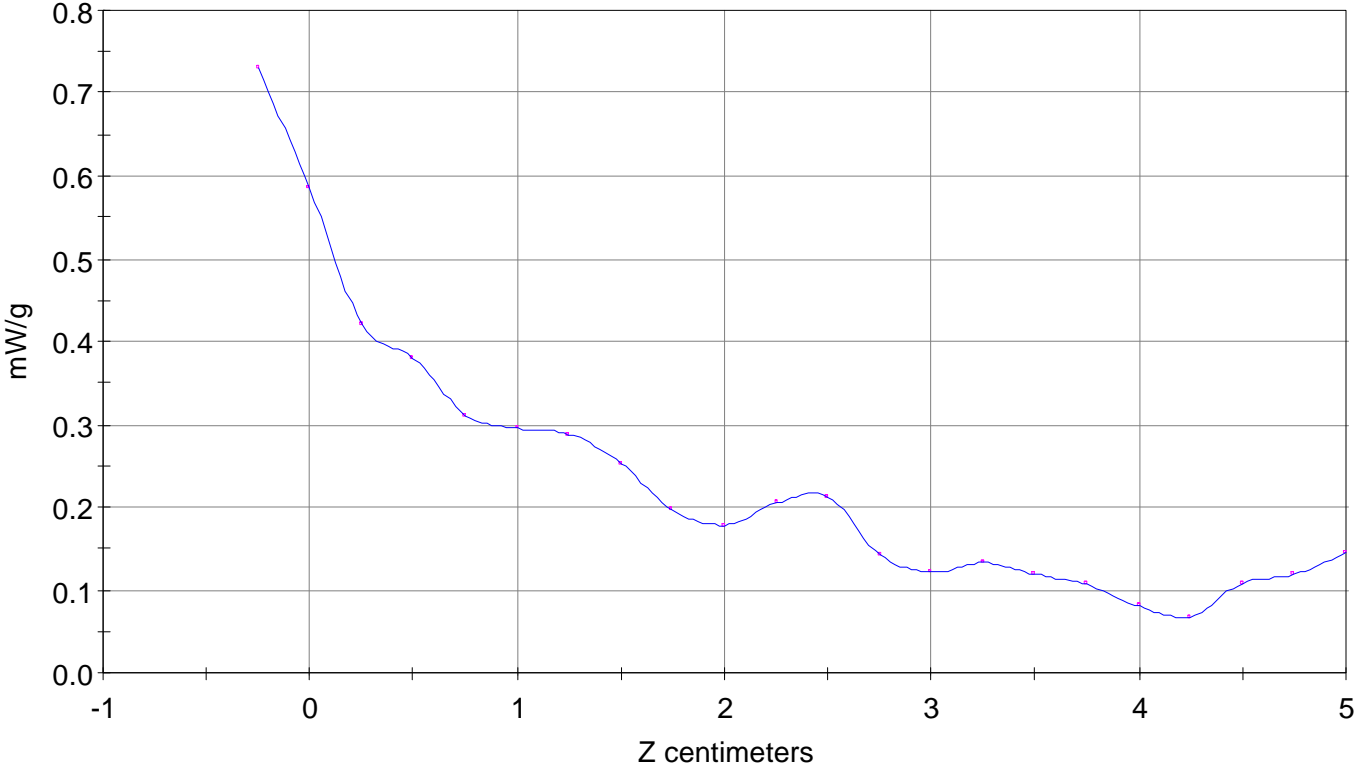
Calc. Voltage @ Surface (Vs) = 0.0100

Voltage @ 1.00 cm (Vt) = 0.0043

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

Ave. SAR over 1 g (mW/g) = 0.5203

SAR Scan
File : 01073019_ZOOM
Start : 30-Jul-101 04:42:48 pm End : 30-Jul-101 04:52:25 pm
HYUNDAI/TX-25B/24;848.97MHz;W;Helical/In;
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/41.500/0.900

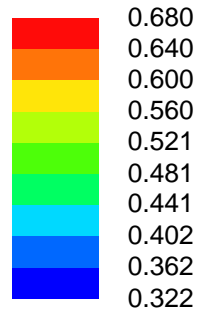
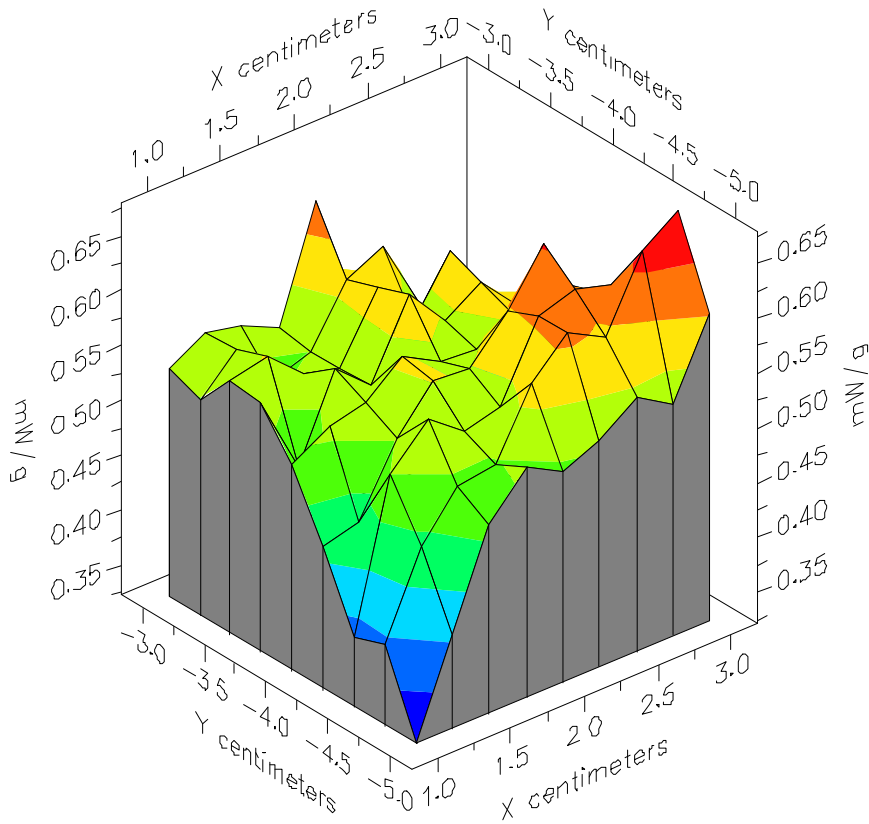


File : 01073019_ZOOM

Start : 30-Jul-101 04:42:48 pm End : 30-Jul-101 04:52:25 pm

HYUNDAI/TX-25B/24;848.97MHz;W;Helical/In;

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

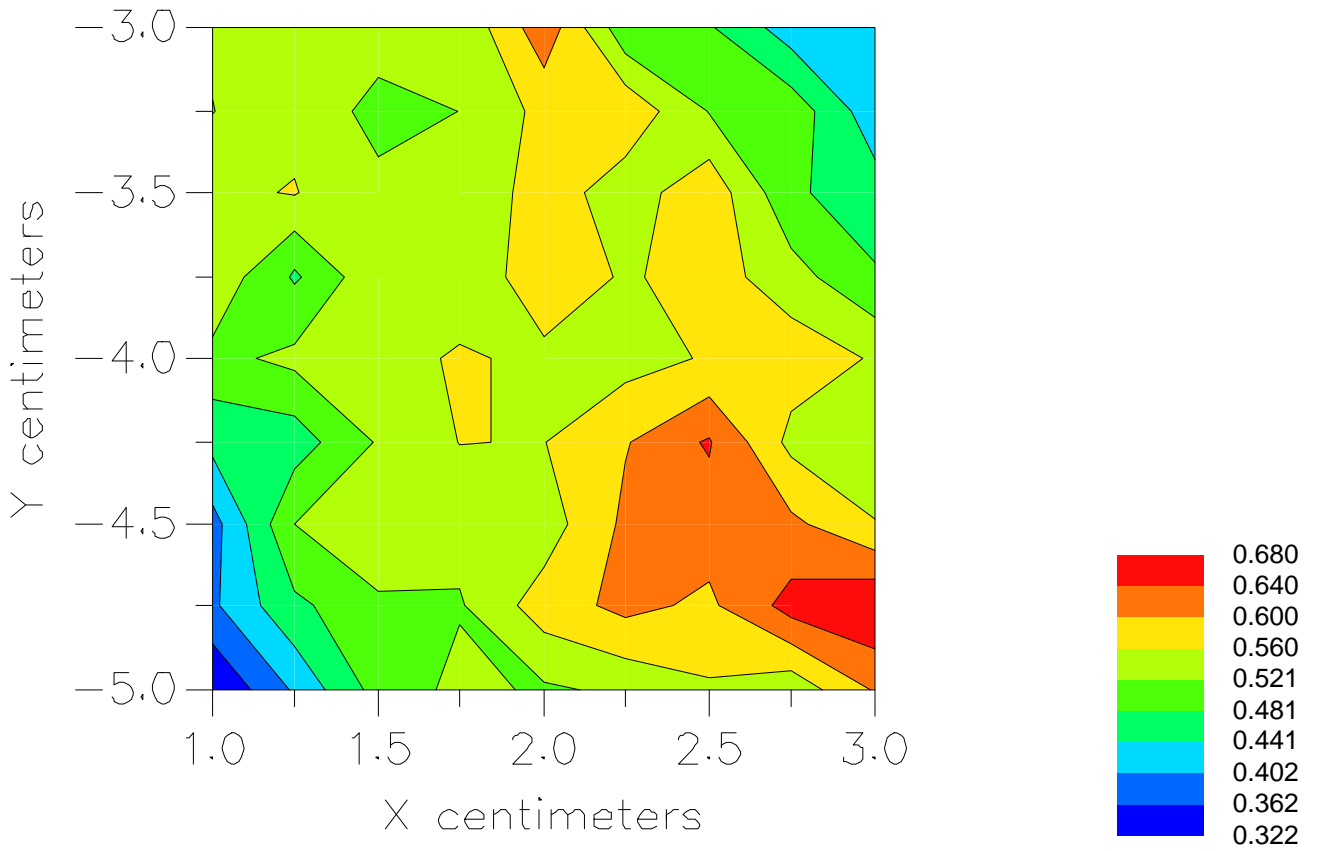


File : 01073019_ZOOM

Start : 30-Jul-101 04:42:48 pm End : 30-Jul-101 04:52:25 pm

HYUNDAI/TX-25B/24;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/01073011_ZOOM.VLT
Start : 30-Jul-101 01:29:48 pm End : 30-Jul-101 01:39:35 pm

Radio Type : HYUNDAI
Model Number : TX-25B
Serial Number : 24
Frequency : 848.97 MHz
Peak Trans. Pwr : 0.530 W
Start Trans. Pwr : 0.530 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 27.2 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 = 12.945

Measured Values (volts) =
1.242E-002 8.560E-003 7.976E-003 6.714E-003 5.233E-003 5.496E-003
4.724E-003 4.206E-003 4.138E-003 3.553E-003 2.882E-003 2.170E-003
1.737E-003 1.337E-003 1.638E-003 1.307E-003 1.489E-003 1.712E-003
1.065E-003 1.560E-003 1.358E-003

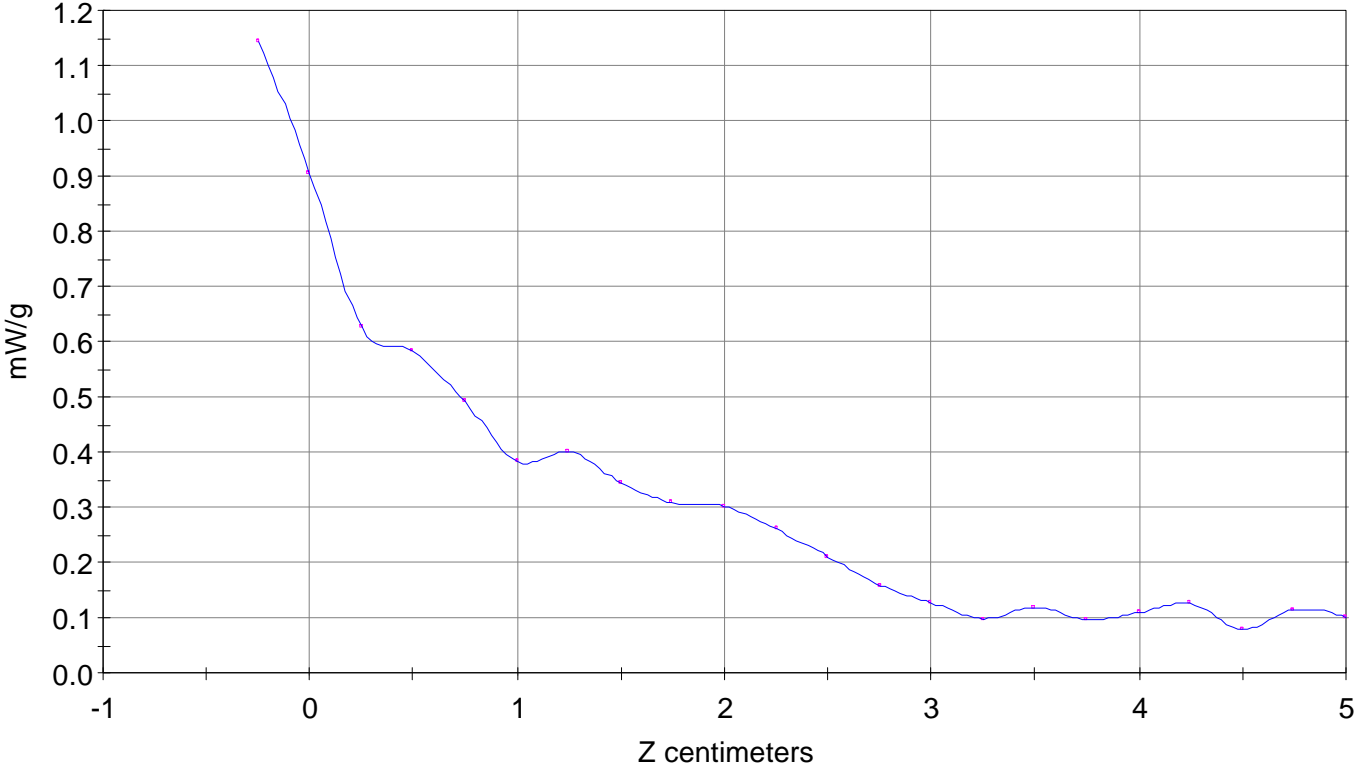
Calc. Voltage @ Surface (Vs) = 0.0157

Voltage @ 1.00 cm (Vt) = 0.0067

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

Ave. SAR over 1 g (mW/g) = 0.8168

SAR Scan
File : 01073011_ZOOM
Start : 30-Jul-101 01:29:48 pm End : 30-Jul-101 01:39:35 pm
HYUNDAI/TX-25B/24;848.97MHz;W;Helical/Out;
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/41.500/0.900

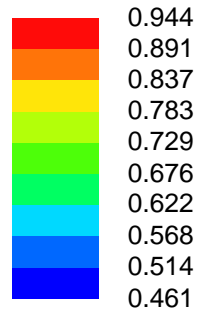
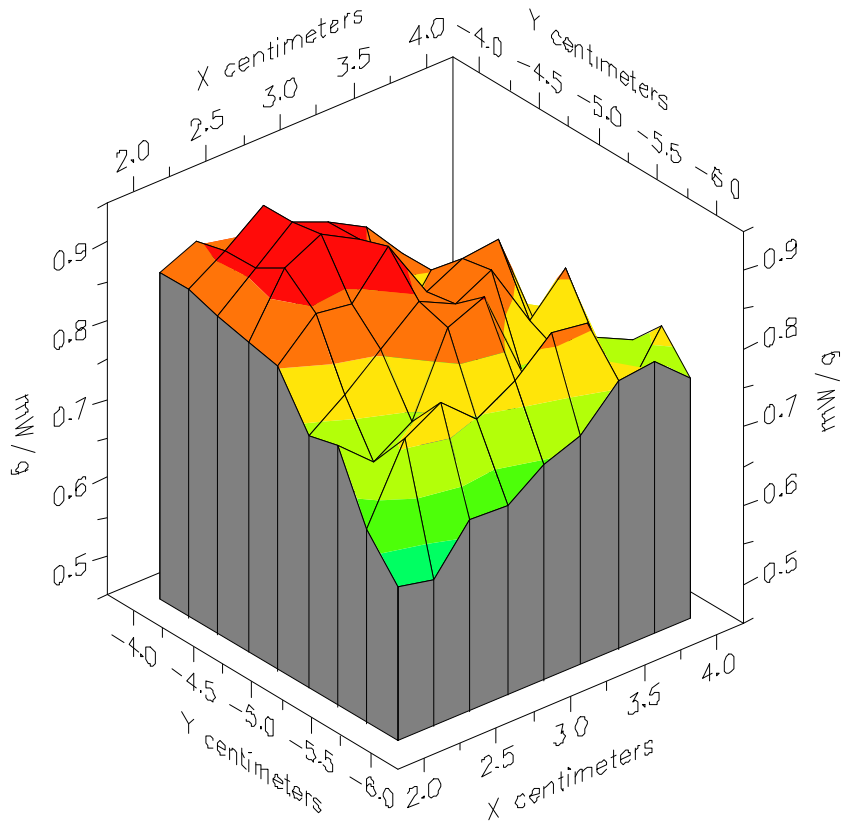


File : 01073011_ZOOM

Start : 30-Jul-101 01:29:48 pm End : 30-Jul-101 01:39:35 pm

HYUNDAI/TX-25B/24;848.97MHz;W;Helical/Out;

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

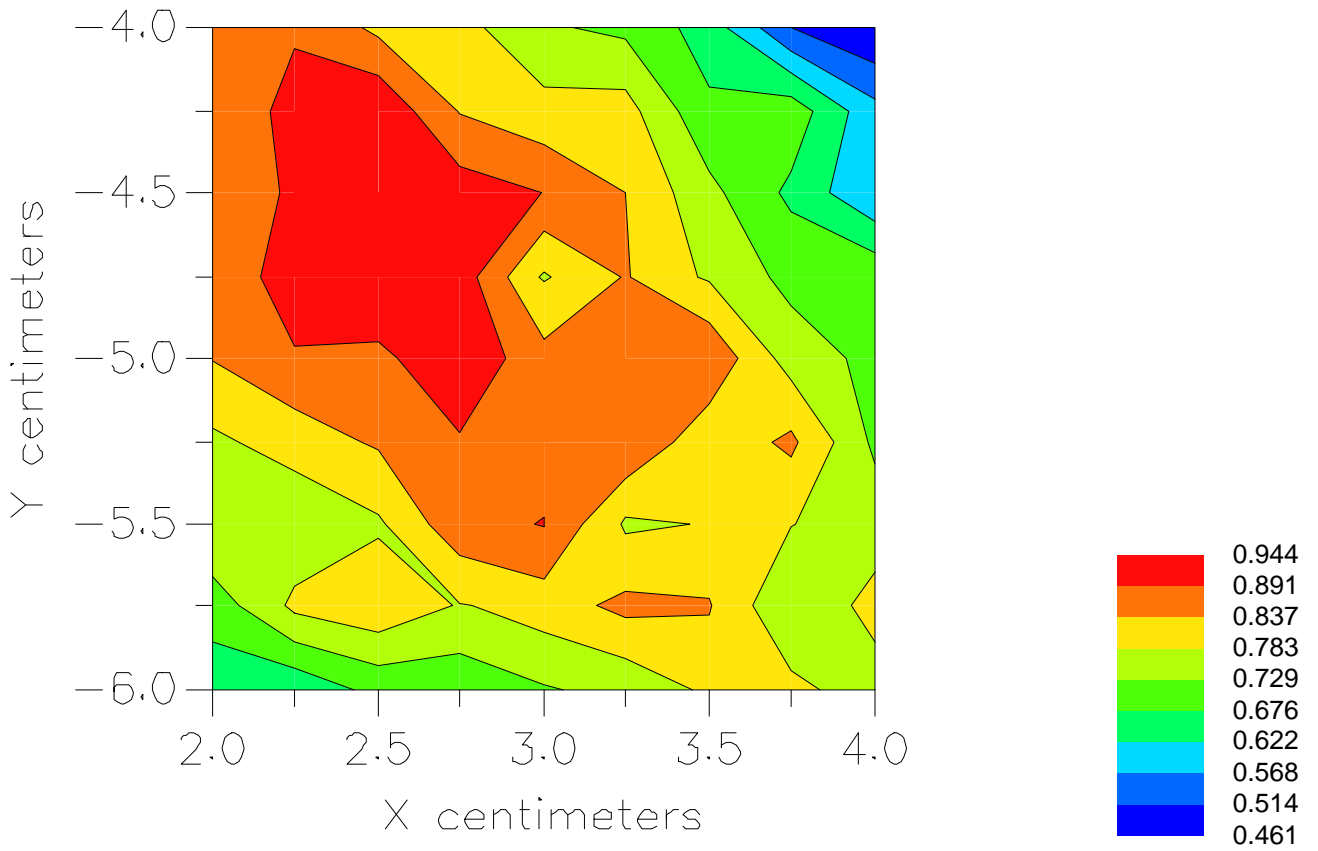


File : 01073011_ZOOM

Start : 30-Jul-101 01:29:48 pm End : 30-Jul-101 01:39:35 pm

HYUNDAI/TX-25B/24;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/01073014_ZOOM.VLT
Start : 30-Jul-101 02:50:30 pm End : 30-Jul-101 03:02:58 pm

Radio Type : HYUNDAI
Model Number : TX-25B
Serial Number : 24
Frequency : 824.70 MHz
Peak Trans. Pwr : 0.350 W
Start Trans. Pwr : 0.350 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 1013 25.4 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 = -4.250, Z = 0.000 (cm) Value = 9.823

Measured Values (volts) =
9.398E-003 7.280E-003 7.054E-003 6.299E-003 4.754E-003 5.600E-003
5.127E-003 4.790E-003 4.924E-003 4.394E-003 4.499E-003 4.021E-003
4.049E-003 3.456E-003 2.388E-003 2.694E-003 3.566E-003 3.296E-003
2.843E-003 2.887E-003 4.006E-003

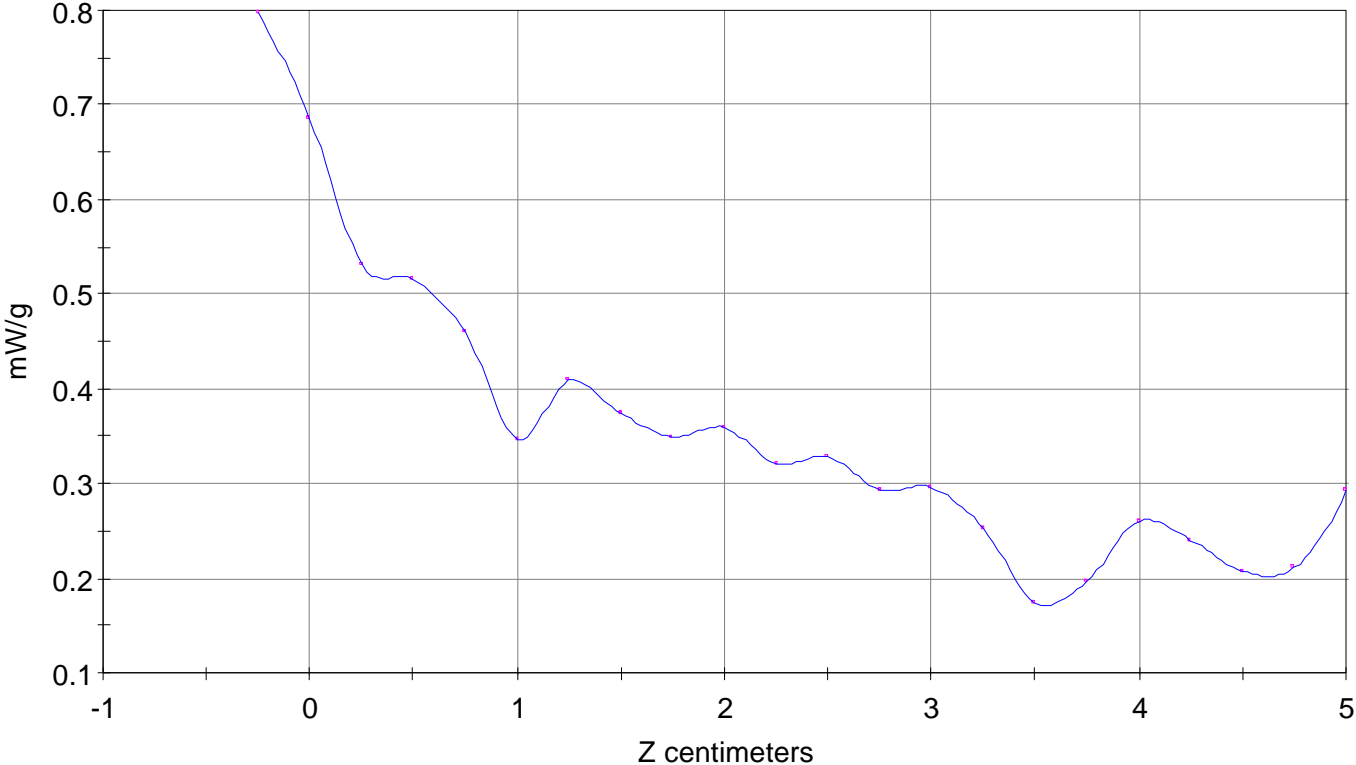
Calc. Voltage @ Surface (Vs) = 0.0109

Voltage @ 1.00 cm (Vt) = 0.0063

Ave. Voltage (Vs+Vt)/2 = 0.0086

Ave. SAR over 1 g (mW/g) = 0.6280

SAR Scan
File : 01073014_ZOOM
Start : 30-Jul-101 02:50:30 pm End : 30-Jul-101 03:02:58 pm
HYUNDAI/TX-25B/24;824.70MHz;W;Helical/In;
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/41.500/0.900

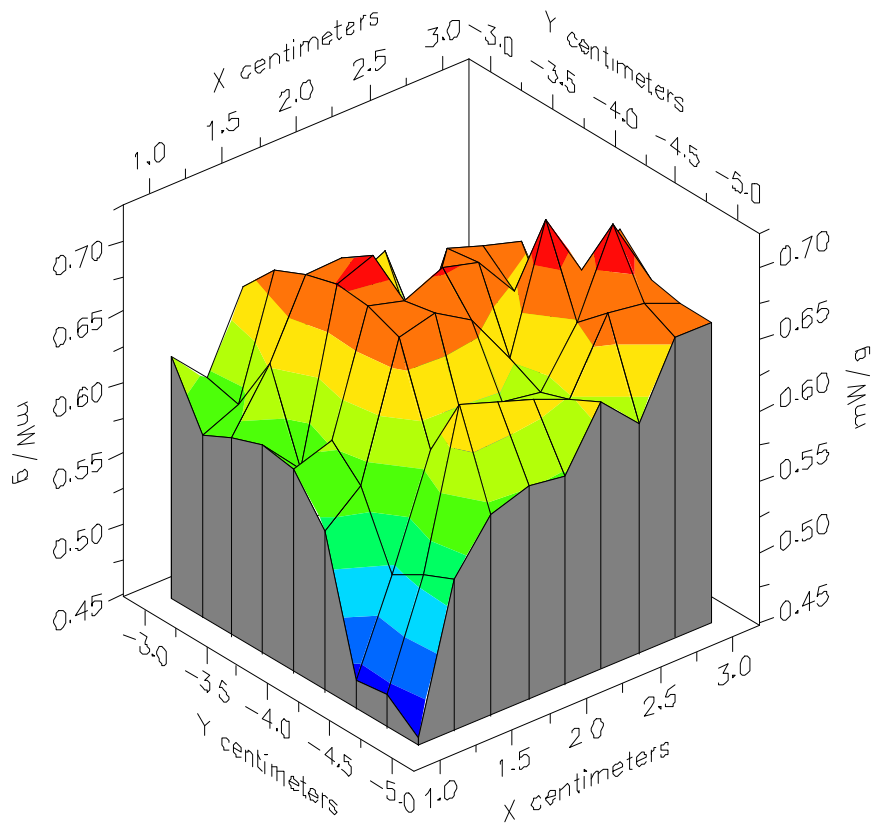


File : 01073014_ZOOM

Start : 30-Jul-101 02:50:30 pm End : 30-Jul-101 03:02:58 pm

HYUNDAI/TX-25B/24;824.70MHz;W;Helical/In;

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

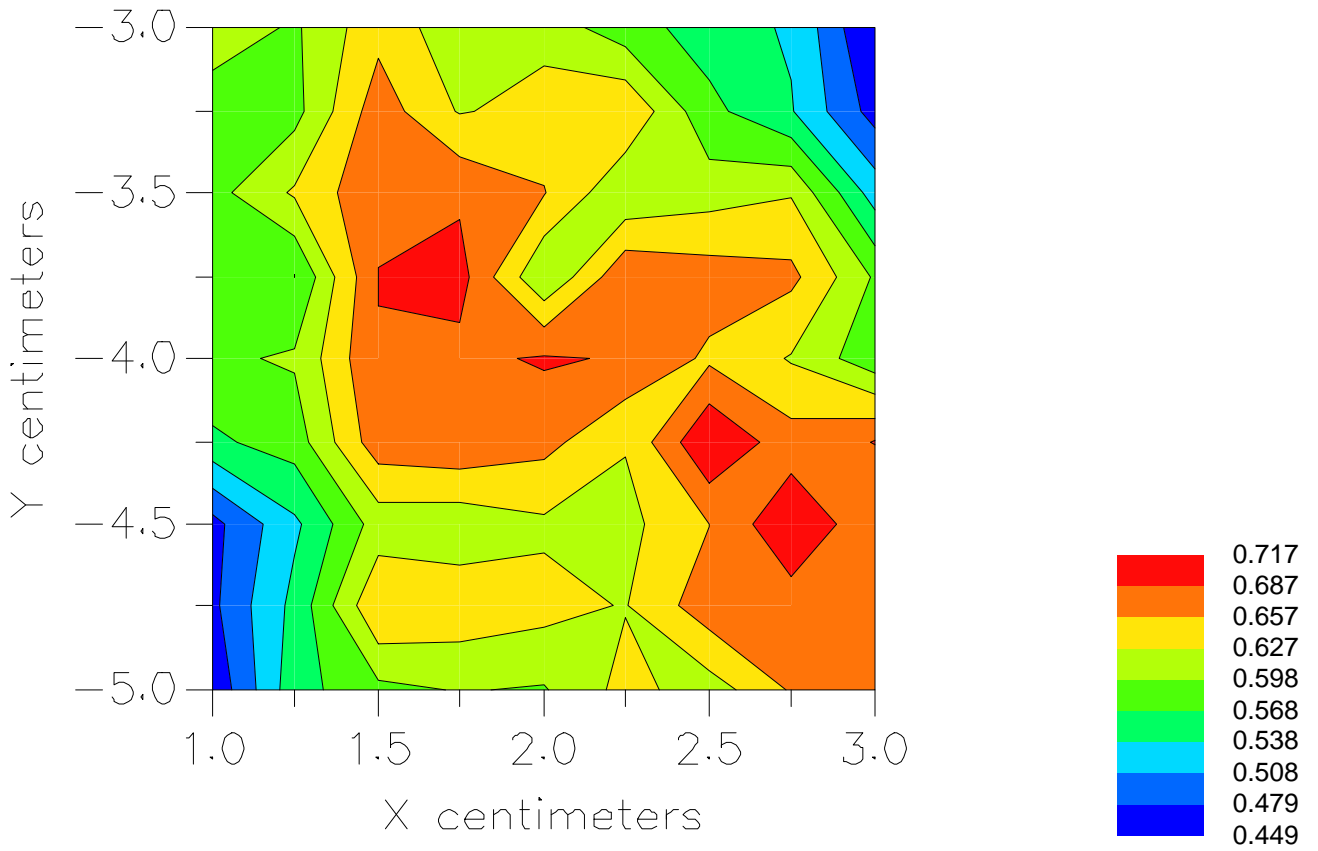


File : 01073014_ZOOM

Start : 30-Jul-101 02:50:30 pm End : 30-Jul-101 03:02:58 pm

HYUNDAI/TX-25B/24;824.70MHz;W;Helical/In;

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



File : c:/idx3/SYSTEM/SARMEAS3/data/Normal/01073017_ZOOM.VLT
Start : 30-Jul-101 04:22:20 pm End : 30-Jul-101 04:31:56 pm

Radio Type : HYUNDAI
Model Number : TX-25B
Serial Number : 24
Frequency : 836.49 MHz
Peak Trans. Pwr : 0.530 W
Start Trans. Pwr : 0.530 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 27.2 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 = -4.250, Z = 0.000 (cm) Value = 11.666

Measured Values (volts) =
1.086E-002 8.109E-003 7.379E-003 6.390E-003 6.043E-003 5.483E-003
5.357E-003 4.598E-003 3.976E-003 4.438E-003 3.934E-003 3.383E-003
3.509E-003 2.706E-003 2.644E-003 2.482E-003 2.212E-003 1.725E-003
2.502E-003 1.696E-003 2.944E-003

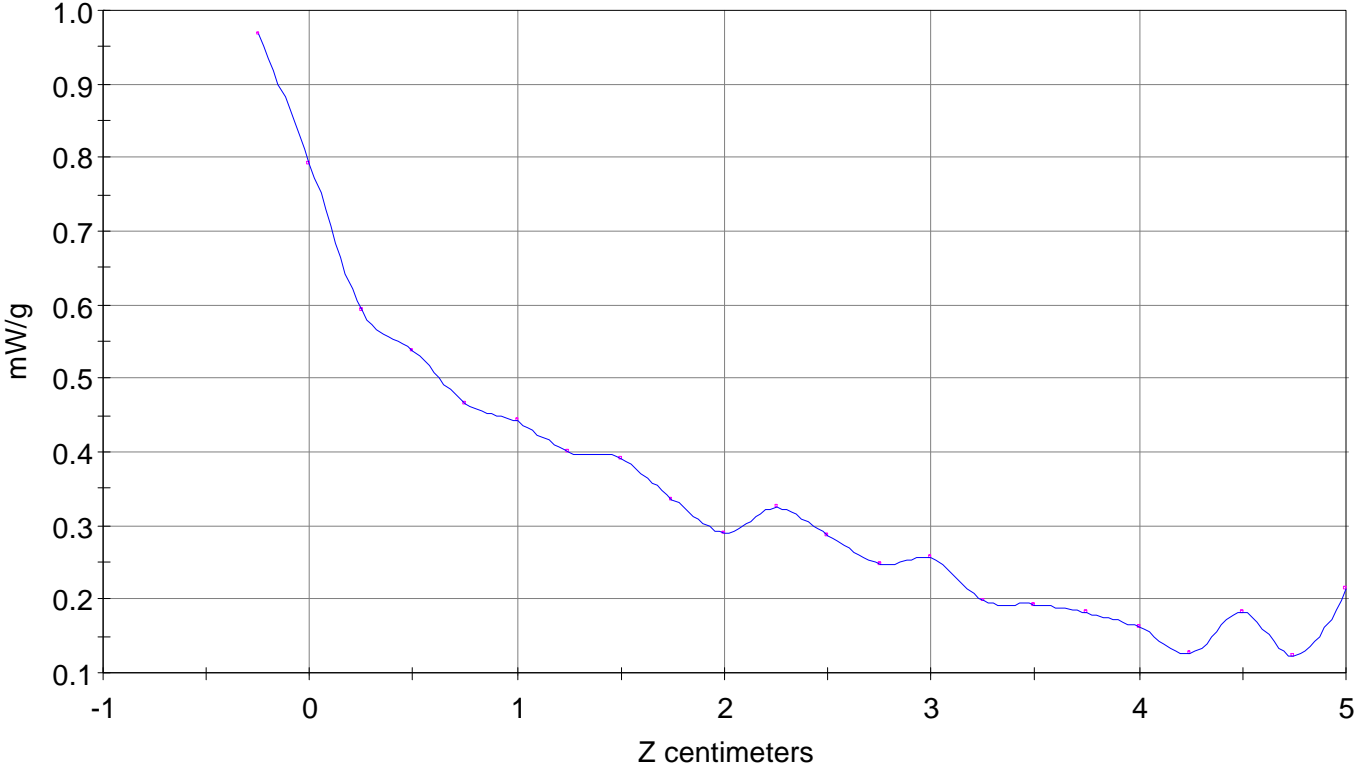
Calc. Voltage @ Surface (Vs) = 0.0132

Voltage @ 1.00 cm (Vt) = 0.0064

Ave. Voltage (Vs+Vt)/2 = 0.0098

Ave. SAR over 1 g (mW/g) = 0.7162

SAR Scan
File : 01073017_ZOOM
Start : 30-Jul-101 04:22:20 pm End : 30-Jul-101 04:31:56 pm
HYUNDAI/TX-25B/24;836.49MHz;W;Helical/In;
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/41.500/0.900

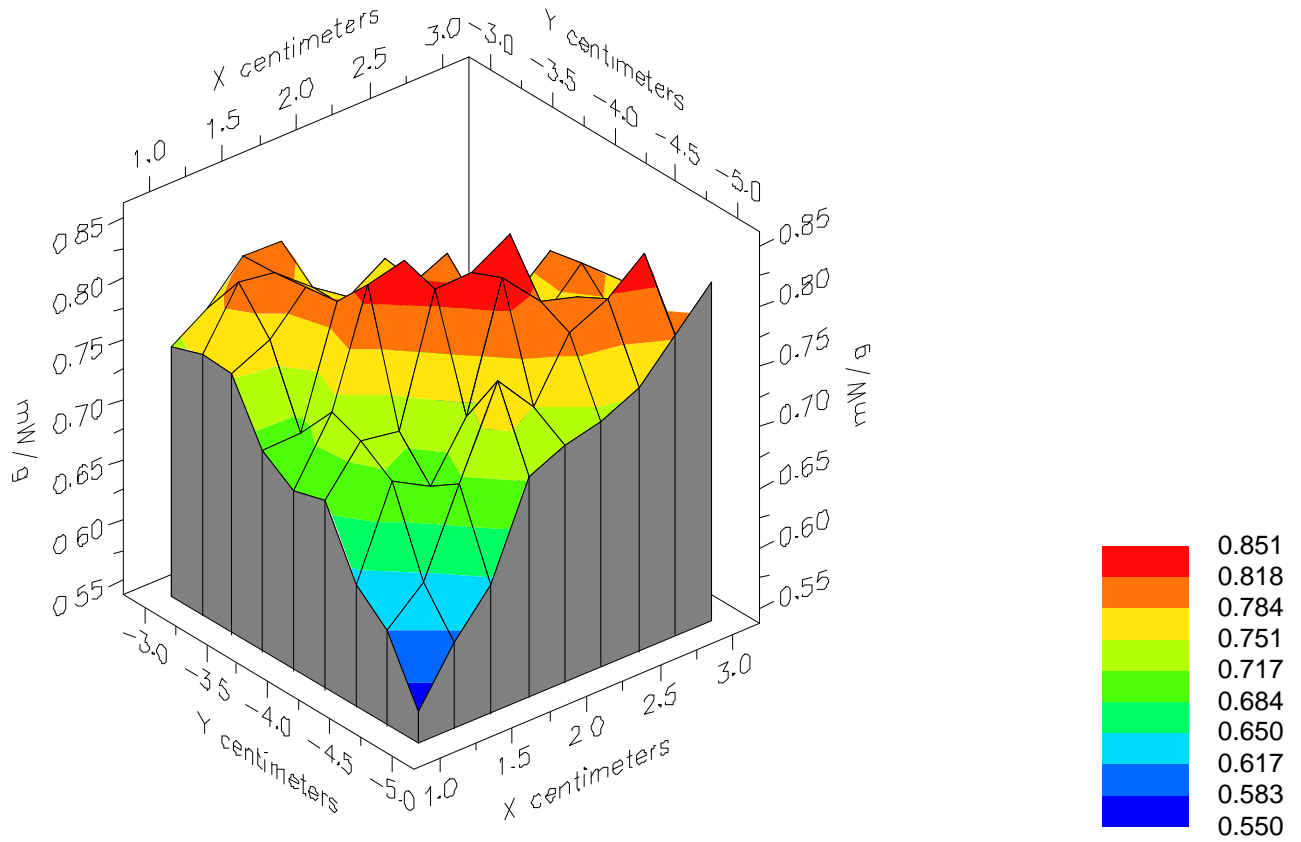


File : 01073017_ZOOM

Start : 30-Jul-101 04:22:20 pm End : 30-Jul-101 04:31:56 pm

HYUNDAI/TX-25B/24;836.49MHz;W;Helical/In;

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

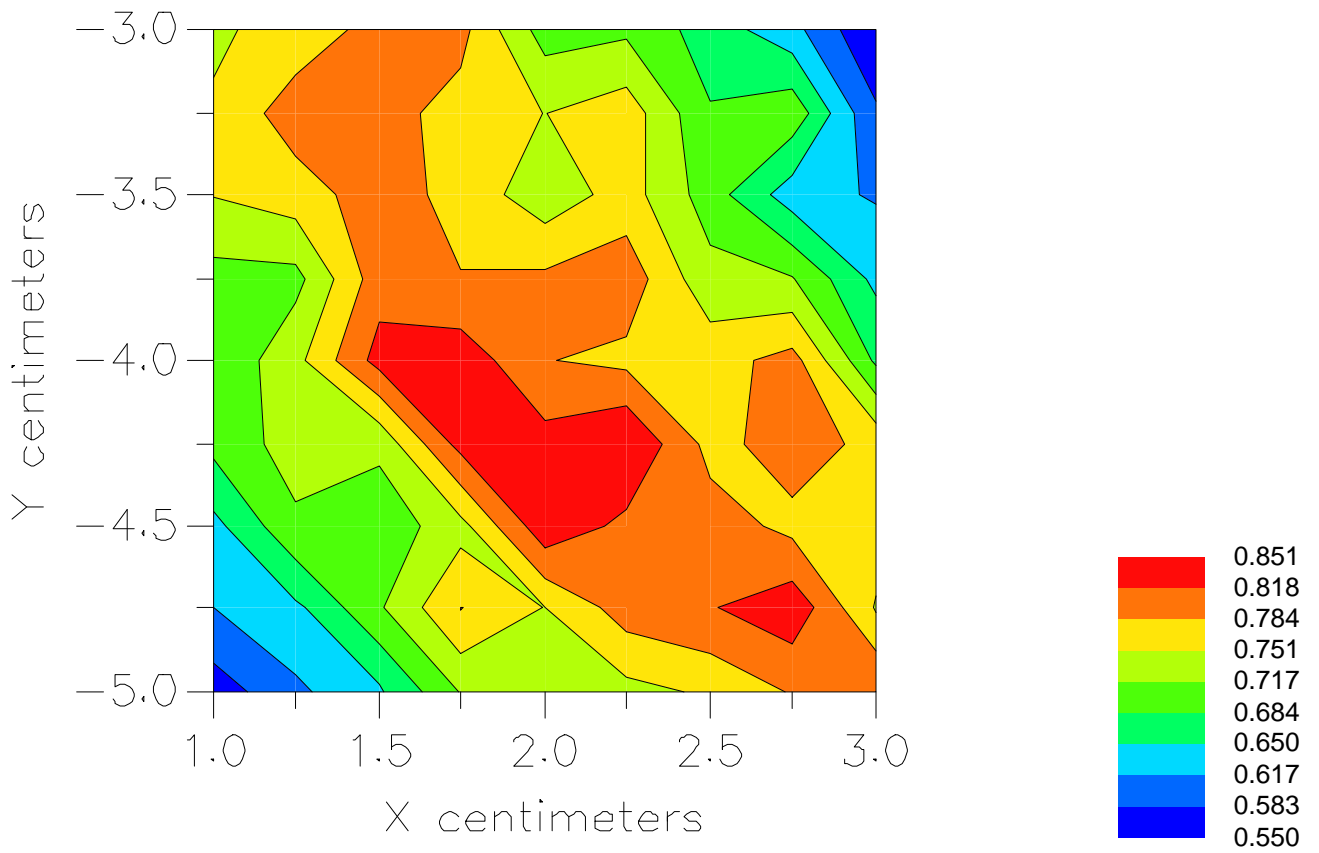


File : 01073017_ZOOM

Start : 30-Jul-101 04:22:20 pm End : 30-Jul-101 04:31:56 pm

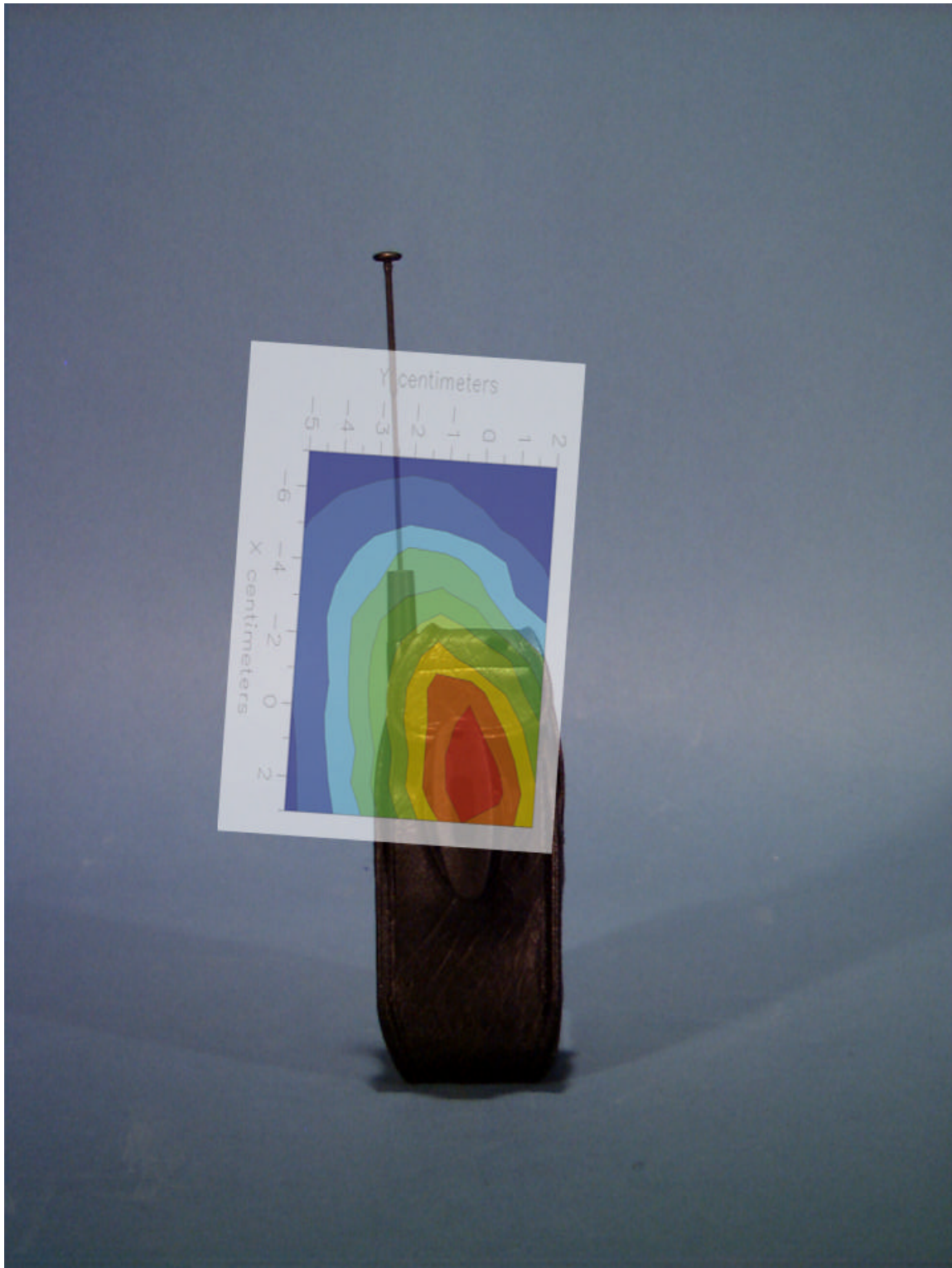
HYUNDAI/TX-25B/24;836.49MHz;W;Helical/In;

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/01081705_ZOOM.VLT
Start : 17-Aug-101 11:17:56 am End : 17-Aug-101 11:26:39 am

Radio Type : HYUNDAI
Model Number : TX-25B
Serial Number : 24
Frequency : 824.04 MHz
Peak Trans. Pwr : 0.530 W
Start Trans. Pwr : 0.530 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 Conducted 27.2 dBm
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 = 2.000, Y = -0.250, Z = 0.000 (cm) Value = 7.206

Measured Values (volts) =
7.188E-003 5.948E-003 5.092E-003 4.387E-003 3.804E-003 3.124E-003
2.632E-003 2.167E-003 1.830E-003 1.665E-003 1.582E-003 1.593E-003
1.610E-003 1.585E-003 1.482E-003 1.280E-003 9.504E-004 6.469E-004
3.840E-004 2.405E-004 2.331E-004

Calc. Voltage @ Surface (Vs) = 0.0085

Voltage @ 1.00 cm (Vt) = 0.0044

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

Ave. SAR over 1 g (mW/g) = 0.5351

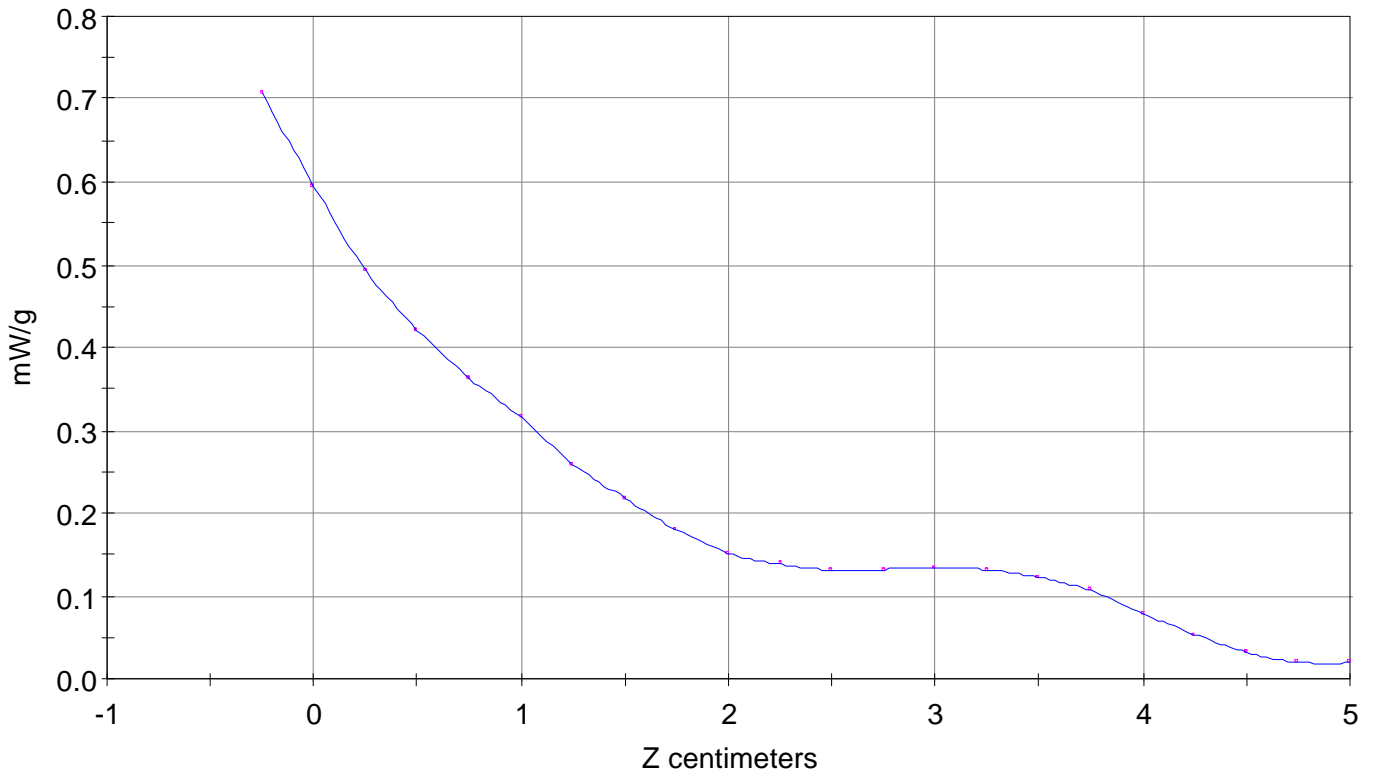
SAR Scan

File : 01081705_ZOOM

Start : 17-Aug-101 11:17:56 am End : 17-Aug-101 11:26:39 am

HYUNDAI/TX-25B/24;824.04MHz;W;Helical/Out;

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

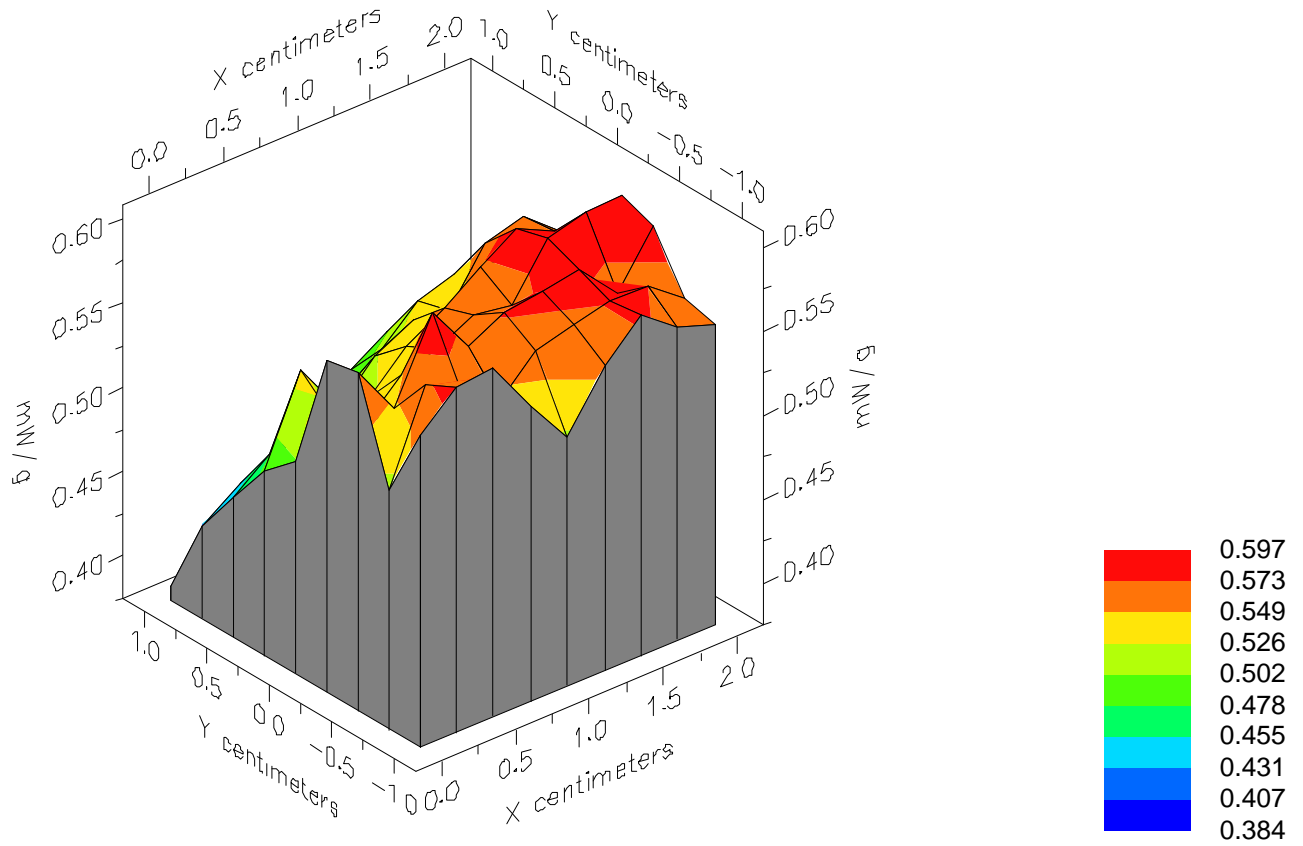


File : 01081705_ZOOM

Start : 17-Aug-101 11:17:56 am End : 17-Aug-101 11:26:39 am

HYUNDAI/TX-25B/24;824.04MHz;W;Helical/Out;

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

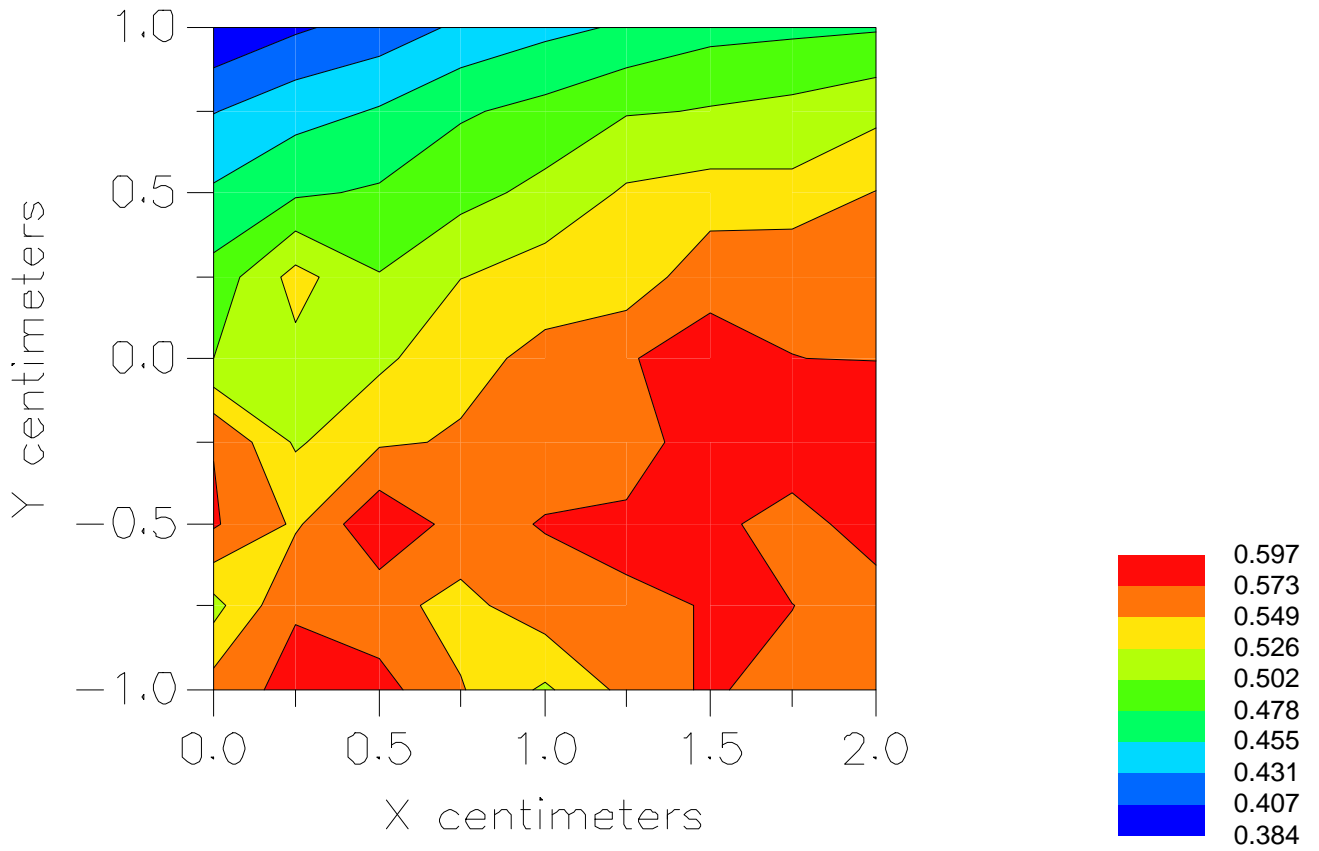


File : 01081705_ZOOM

Start : 17-Aug-101 11:17:56 am End : 17-Aug-101 11:26:39 am

HYUNDAI/TX-25B/24;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/01081704_ZOOM.VLT
Start : 17-Aug-101 10:58:26 am End : 17-Aug-101 11:07:09 am

Radio Type : HYUNDAI
Model Number : TX-25B
Serial Number : 24
Frequency : 824.04 MHz
Peak Trans. Pwr : 0.530 W
Start Trans. Pwr : 0.530 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 Conducted 27.2 dBm
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 = 1.750, Y = -0.250, Z = 0.000 (cm) Value = 6.076

Measured Values (volts) =
6.934E-003 5.768E-003 4.967E-003 4.246E-003 3.601E-003 2.983E-003
2.470E-003 2.029E-003 1.739E-003 1.574E-003 1.514E-003 1.507E-003
1.578E-003 1.345E-003 1.393E-003 1.150E-003 8.175E-004 5.027E-004
2.652E-004 1.301E-004 9.555E-005

Calc. Voltage @ Surface (Vs) = 0.0082

Voltage @ 1.00 cm (Vt) = 0.0042

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

Ave. SAR over 1 g (mW/g) = 0.5148

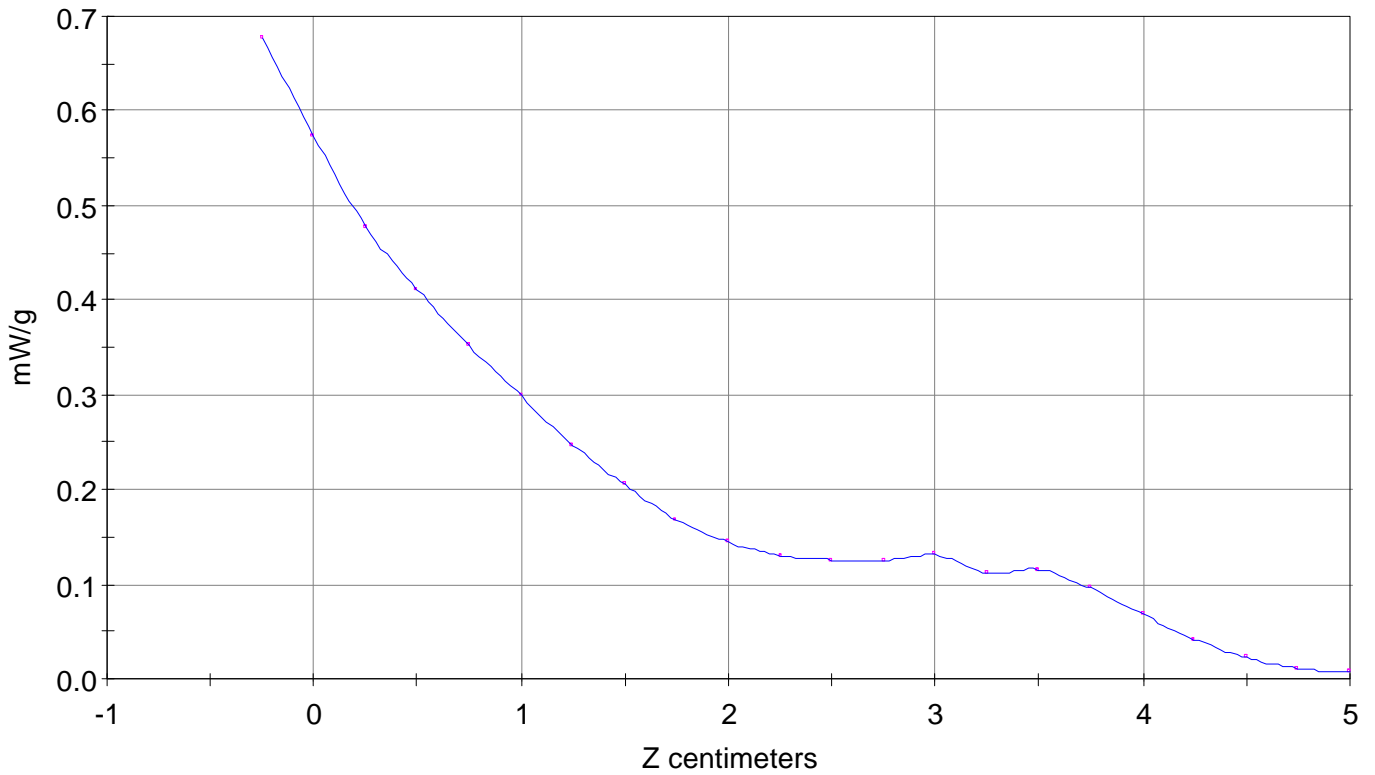
SAR Scan

File : 01081704_ZOOM

Start : 17-Aug-101 10:58:26 am End : 17-Aug-101 11:07:09 am

HYUNDAI/TX-25B/24;824.04MHz;W;Helical/In;

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

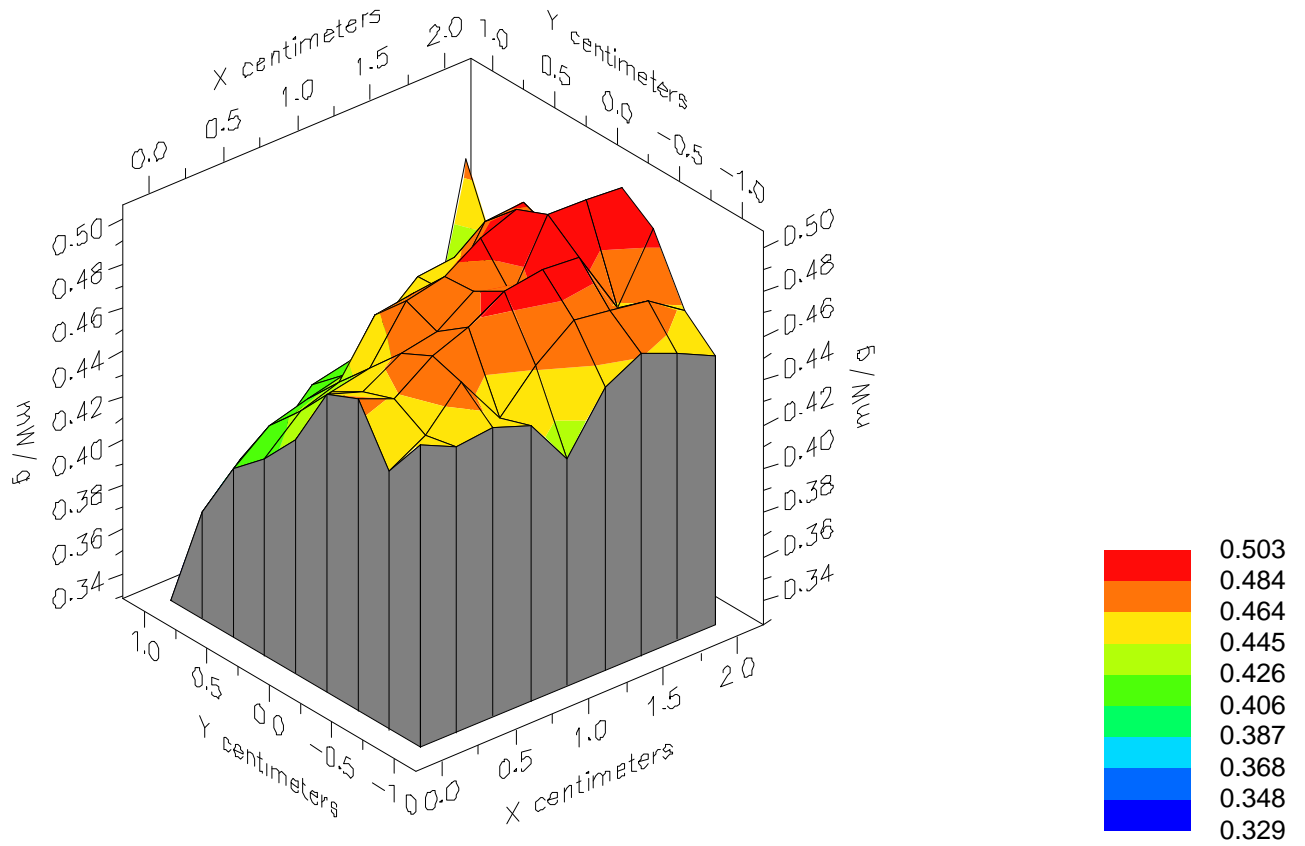


File : 01081704_ZOOM

Start : 17-Aug-101 10:58:26 am End : 17-Aug-101 11:07:09 am

HYUNDAI/TX-25B/24;824.04MHz;W;Helical/In;

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

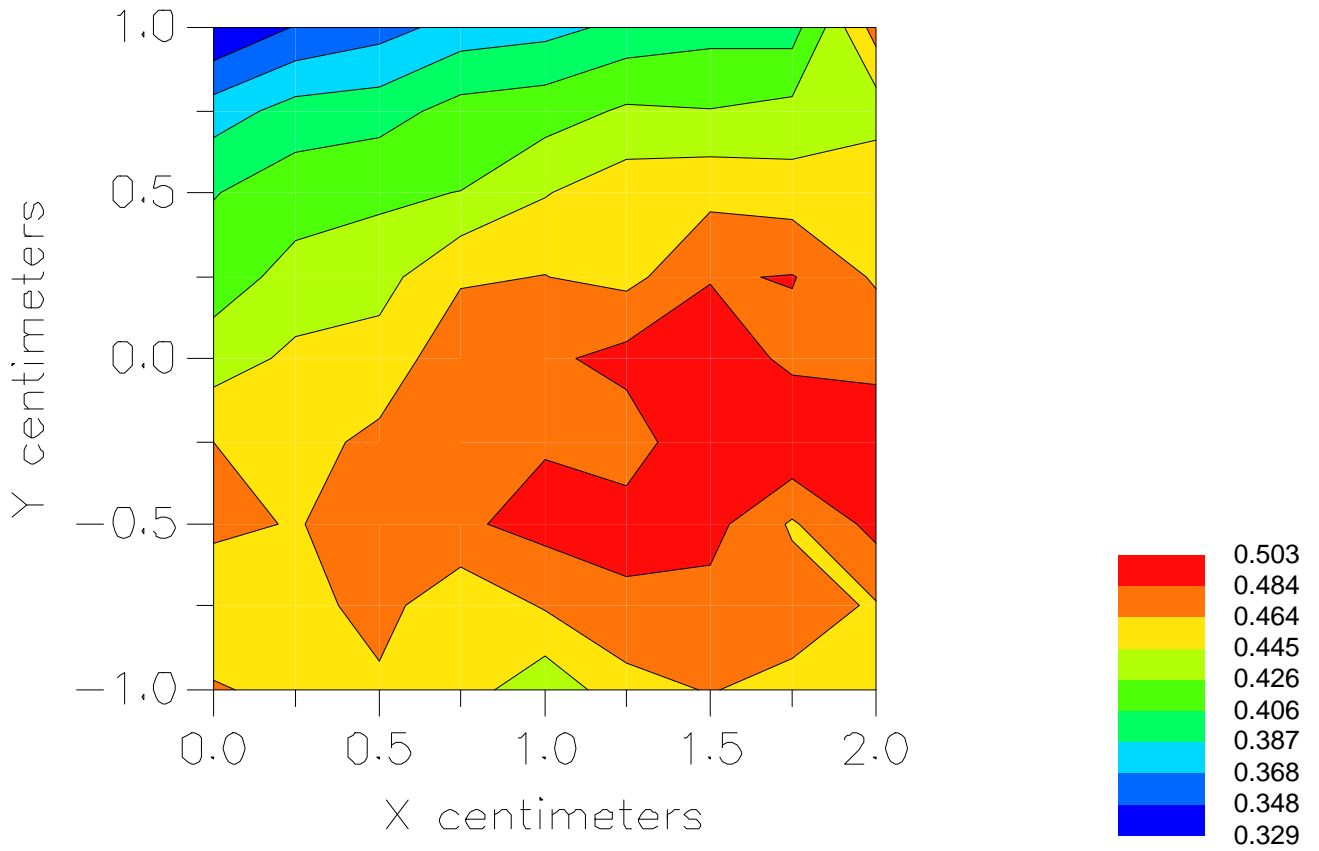


File : 01081704_ZOOM

Start : 17-Aug-101 10:58:26 am End : 17-Aug-101 11:07:09 am

HYUNDAI/TX-25B/24;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/01081708_ZOOM.VLT
Start : 17-Aug-101 11:41:54 am End : 17-Aug-101 11:57:08 am

Radio Type : HYUNDAI
Model Number : TX-25B
Serial Number : 24
Frequency : 836.49 MHz
Peak Trans. Pwr : 0.530 W
Start Trans. Pwr : 0.530 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 Conducted 27.2 dBm
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 = 1.500, Y = -0.250, Z = 0.000 (cm) Value = 6.332

Measured Values (volts) =
5.685E-003 4.767E-003 4.070E-003 3.528E-003 3.053E-003 2.499E-003
2.058E-003 1.733E-003 1.509E-003 1.372E-003 1.337E-003 1.360E-003
1.351E-003 1.222E-003 1.132E-003 1.017E-003 7.514E-004 5.173E-004
3.694E-004 2.767E-004 2.998E-004

Calc. Voltage @ Surface (Vs) = 0.0067

Voltage @ 1.00 cm (Vt) = 0.0035

Ave. Voltage (Vs+Vt)/2 = 0.0051

Ave. SAR over 1 g (mW/g) = 0.4241

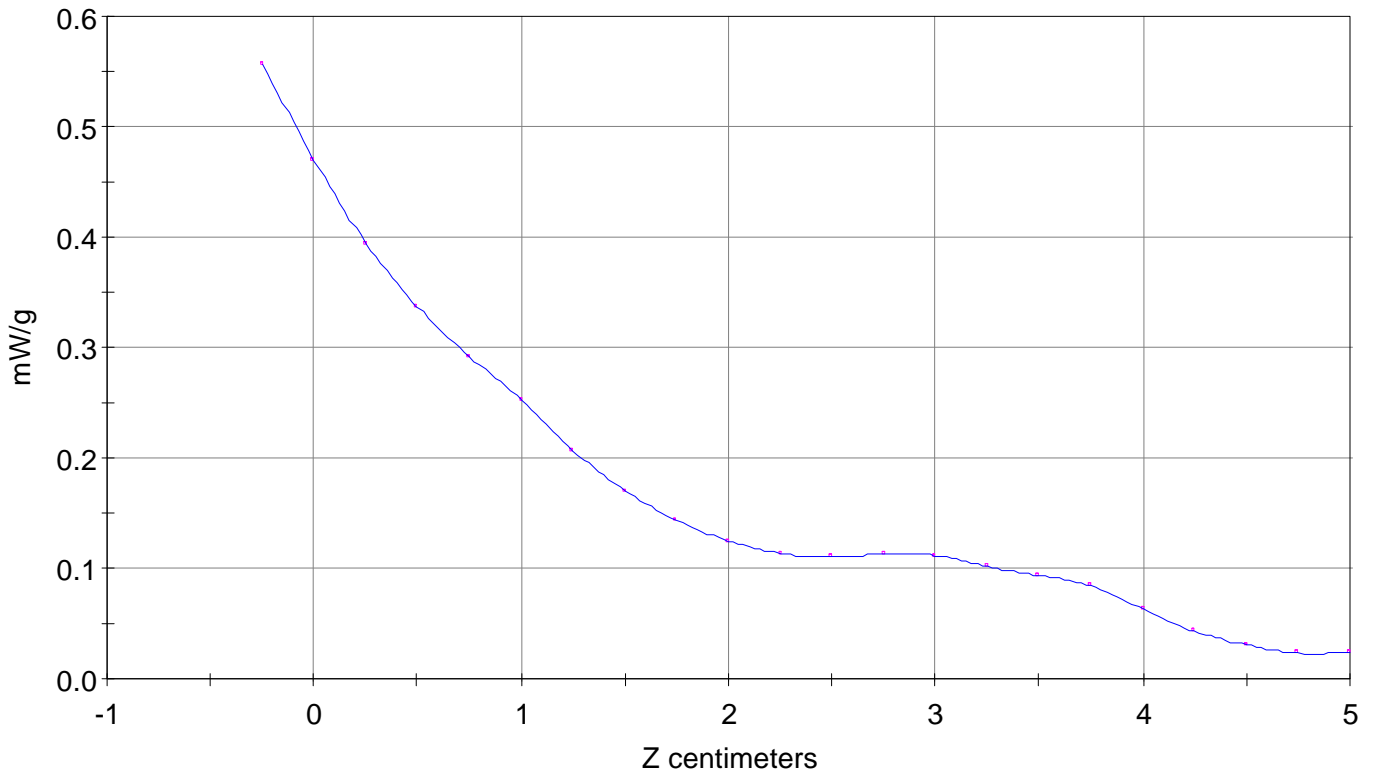
SAR Scan

File : 01081708_ZOOM

Start : 17-Aug-101 11:41:54 am End : 17-Aug-101 11:57:08 am

HYUNDAI/TX-25B/24;836.49MHz;W;Helical/Out;

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

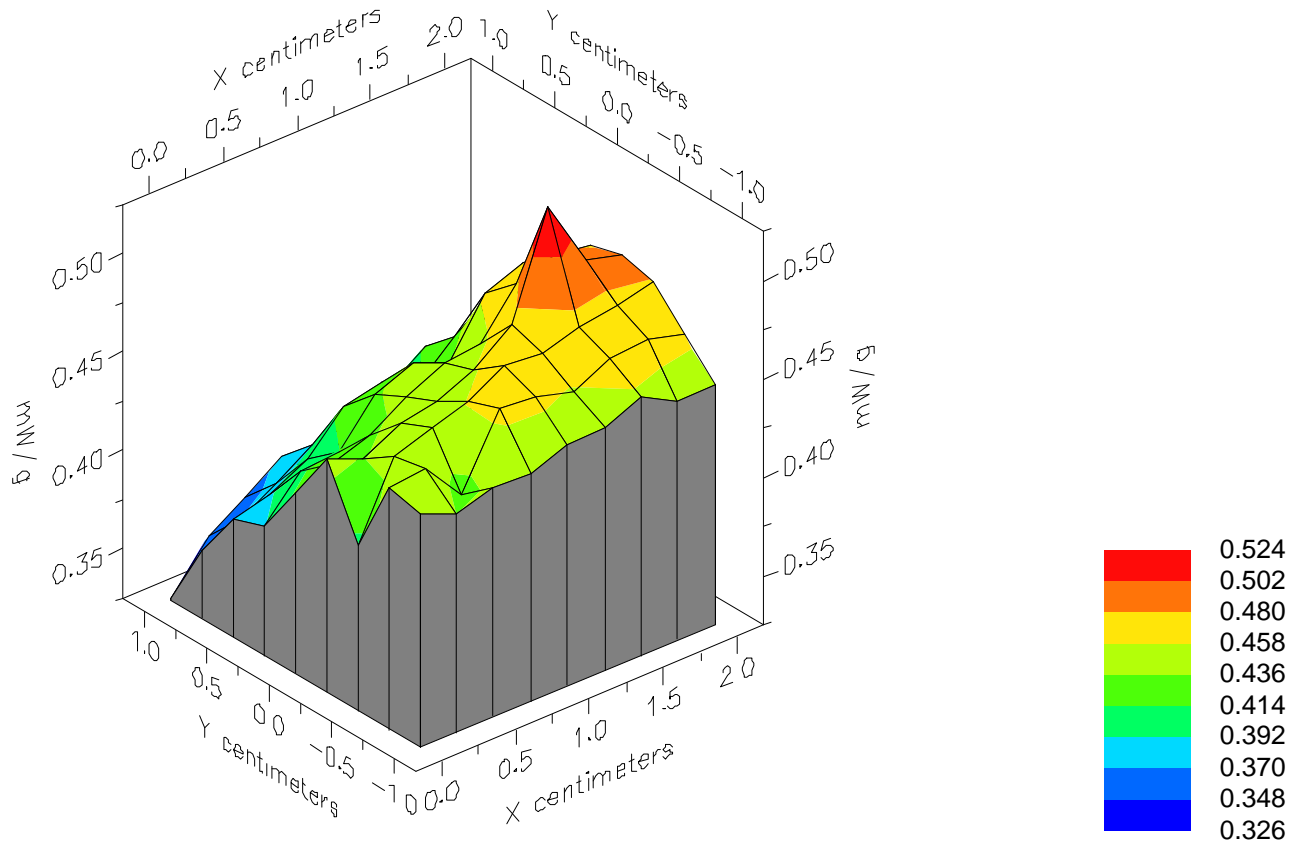


File : 01081708_ZOOM

Start : 17-Aug-101 11:41:54 am End : 17-Aug-101 11:57:08 am

HYUNDAI/TX-25B/24;836.49MHz;W;Helical/Out;

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

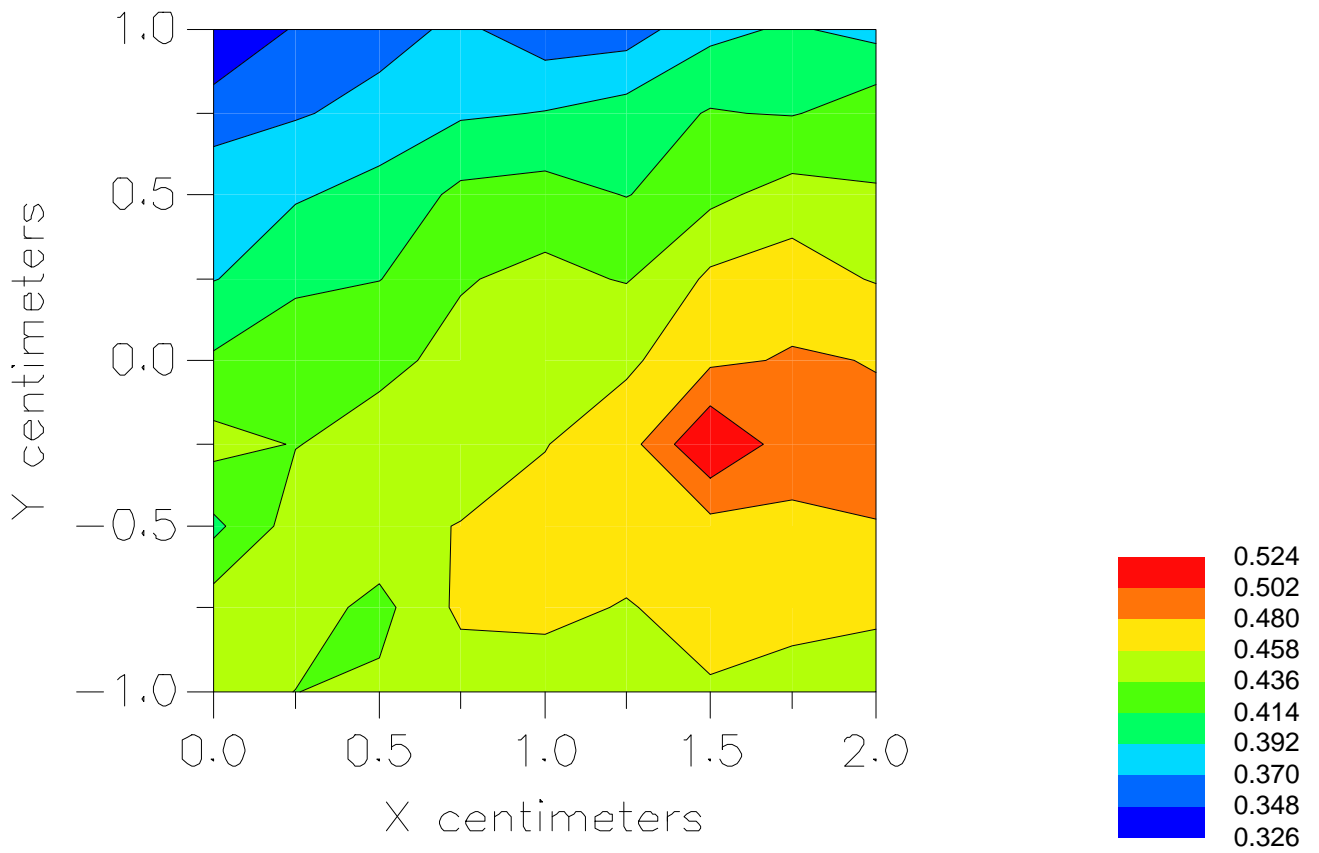


File : 01081708_ZOOM

Start : 17-Aug-101 11:41:54 am End : 17-Aug-101 11:57:08 am

HYUNDAI/TX-25B/24;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/01081708_ZOOM.VLT
Start : 17-Aug-101 11:41:54 am End : 17-Aug-101 11:57:08 am

Radio Type : HYUNDAI
Model Number : TX-25B
Serial Number : 24
Frequency : 836.49 MHz
Peak Trans. Pwr : 0.530 W
Start Trans. Pwr : 0.530 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 Conducted 27.2 dBm
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 = 1.500, Y = -0.250, Z = 0.000 (cm) Value = 6.332

Measured Values (volts) =
5.685E-003 4.767E-003 4.070E-003 3.528E-003 3.053E-003 2.499E-003
2.058E-003 1.733E-003 1.509E-003 1.372E-003 1.337E-003 1.360E-003
1.351E-003 1.222E-003 1.132E-003 1.017E-003 7.514E-004 5.173E-004
3.694E-004 2.767E-004 2.998E-004

Calc. Voltage @ Surface (Vs) = 0.0067

Voltage @ 1.00 cm (Vt) = 0.0035

Ave. Voltage (Vs+Vt)/2 = 0.0051

Ave. SAR over 1 g (mW/g) = 0.4241

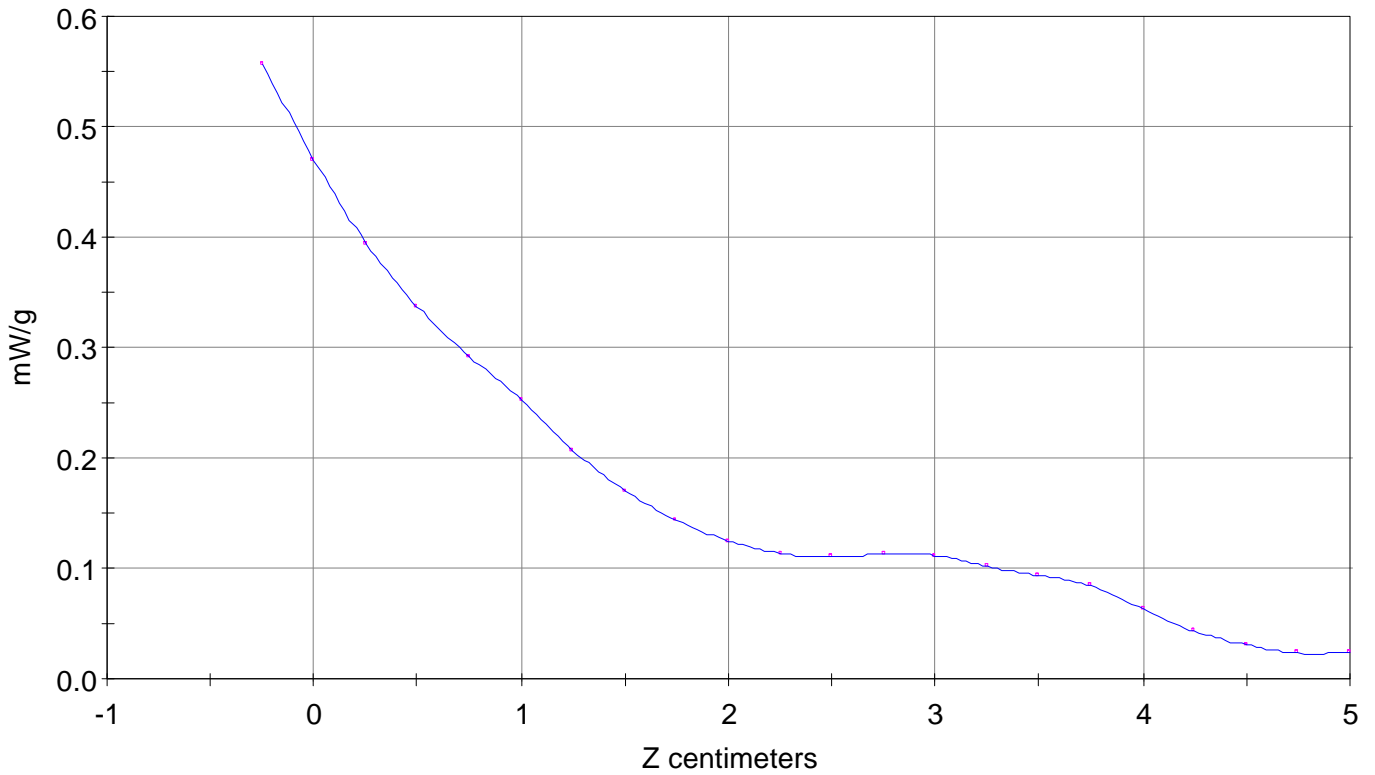
SAR Scan

File : 01081708_ZOOM

Start : 17-Aug-101 11:41:54 am End : 17-Aug-101 11:57:08 am

HYUNDAI/TX-25B/24;836.49MHz;W;Helical/Out;

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

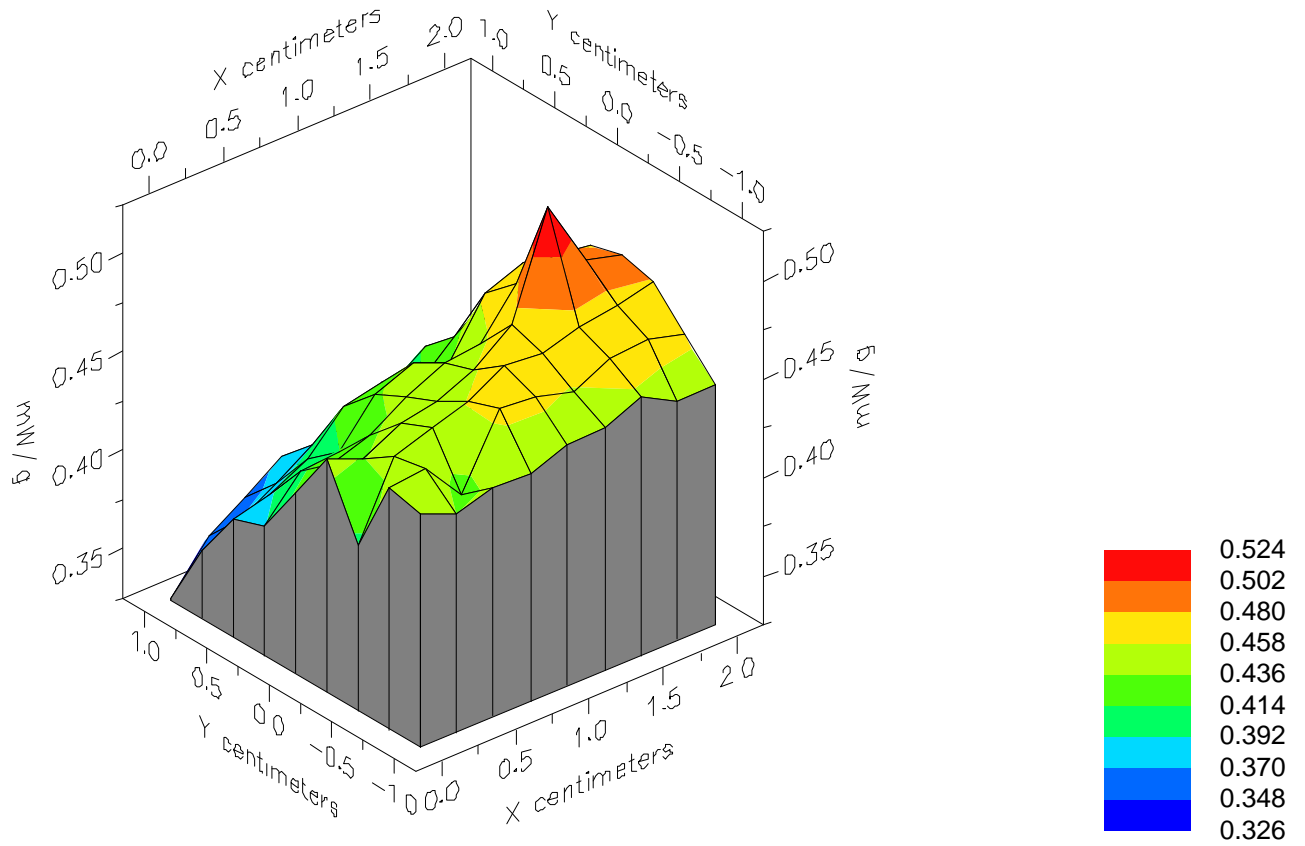


File : 01081708_ZOOM

Start : 17-Aug-101 11:41:54 am End : 17-Aug-101 11:57:08 am

HYUNDAI/TX-25B/24;836.49MHz;W;Helical/Out;

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

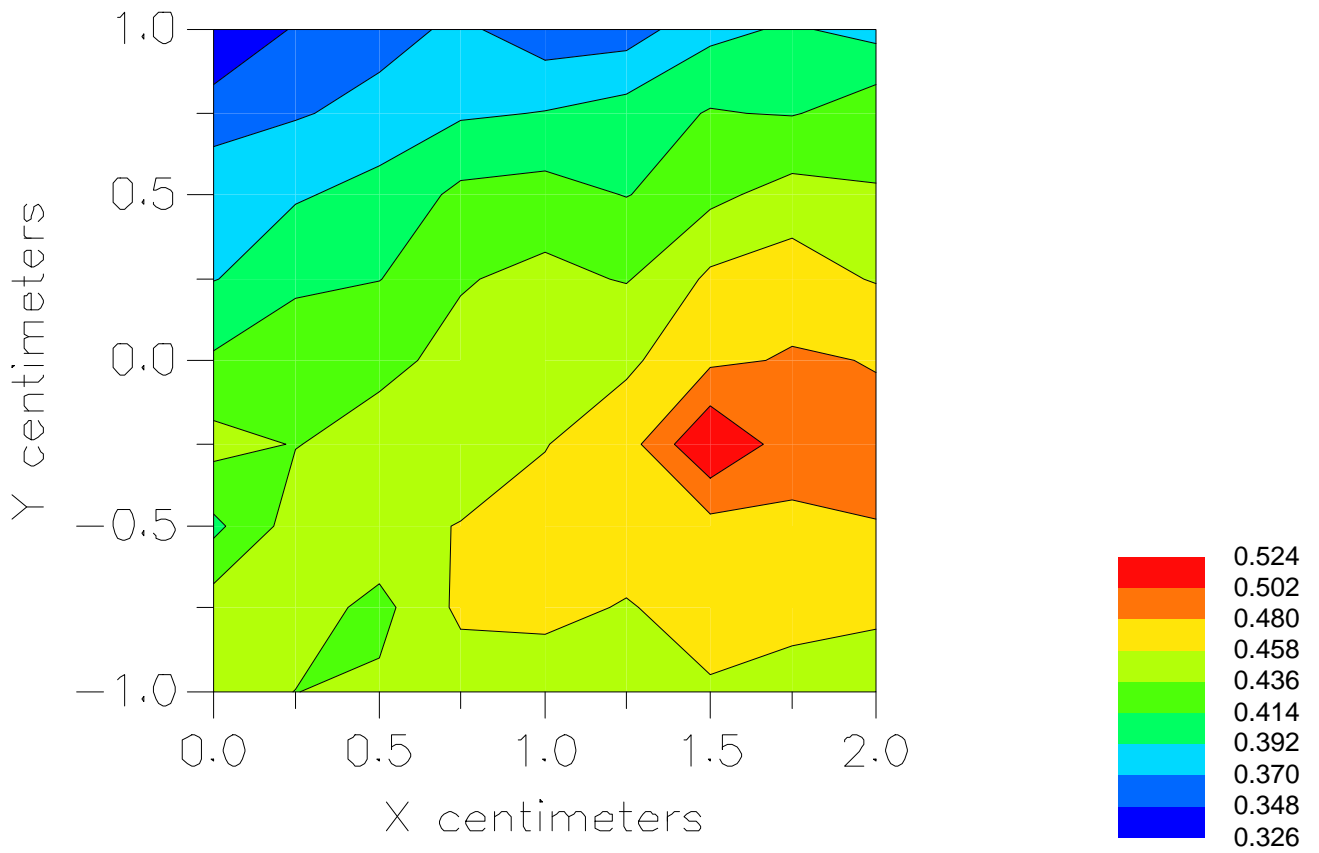


File : 01081708_ZOOM

Start : 17-Aug-101 11:41:54 am End : 17-Aug-101 11:57:08 am

HYUNDAI/TX-25B/24;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/01081709_ZOOM.VLT
Start : 17-Aug-101 12:00:19 pm End : 17-Aug-101 12:09:01 pm

Radio Type : HYUNDAI
Model Number : TX-25B
Serial Number : 24
Frequency : 848.97 MHz
Peak Trans. Pwr : 0.530 W
Start Trans. Pwr : 0.530 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 Conducted 27.2 dBm
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 = 1.750, Y = -0.250, Z = 0.000 (cm) Value = 4.557

Measured Values (volts) =
4.006E-003 3.166E-003 2.615E-003 2.148E-003 1.772E-003 1.482E-003
1.203E-003 1.060E-003 9.843E-004 1.002E-003 9.335E-004 8.947E-004
7.964E-004 6.784E-004 5.722E-004 4.250E-004 3.194E-004 2.781E-004
2.247E-004 2.352E-004 2.933E-004

Calc. Voltage @ Surface (Vs) = 0.0050

Voltage @ 1.00 cm (Vt) = 0.0021

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

Ave. SAR over 1 g (mW/g) = 0.2942

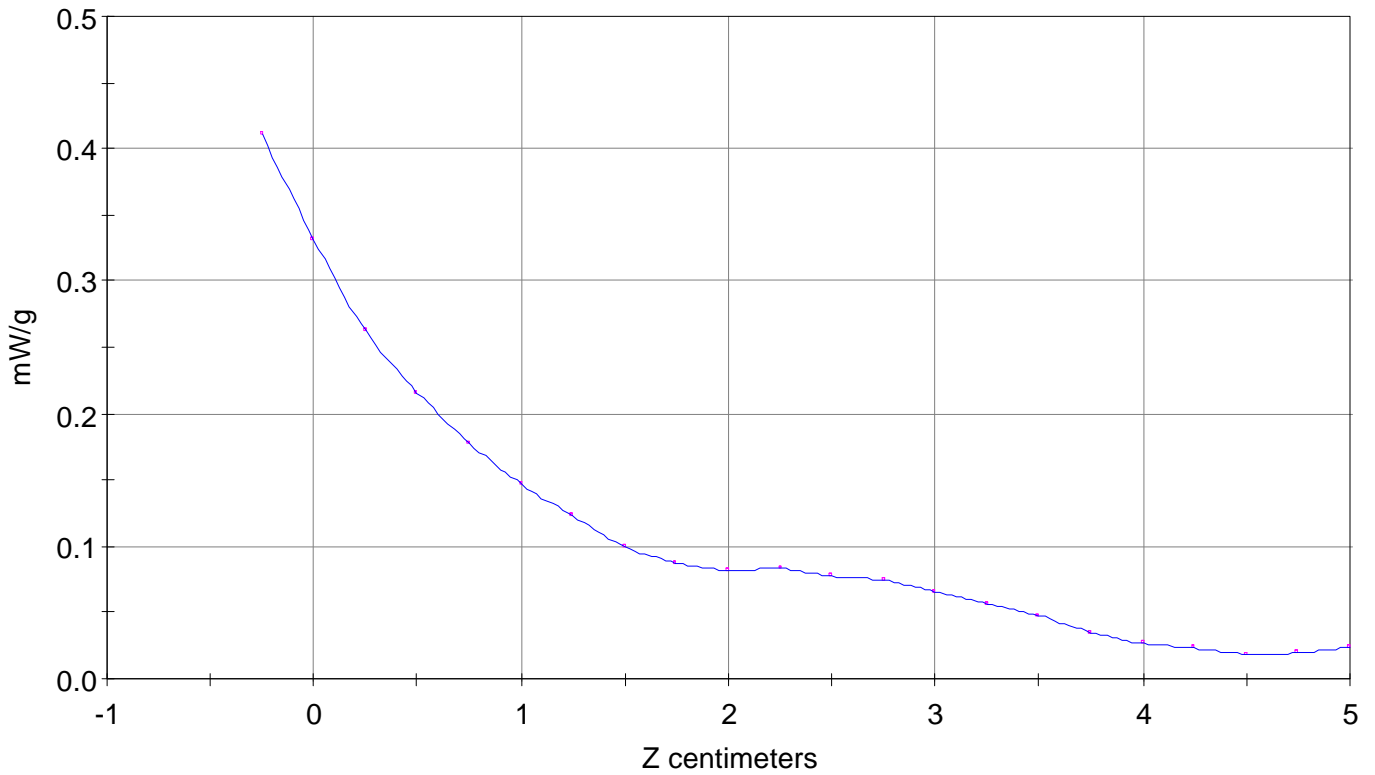
SAR Scan

File : 01081709_ZOOM

Start : 17-Aug-101 12:00:19 pm End : 17-Aug-101 12:09:01 pm

HYUNDAI/TX-25B/24;848.97MHz;W;Helical/In;

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

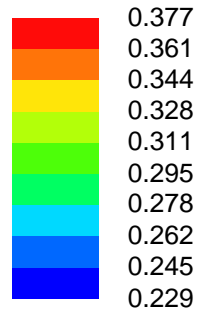
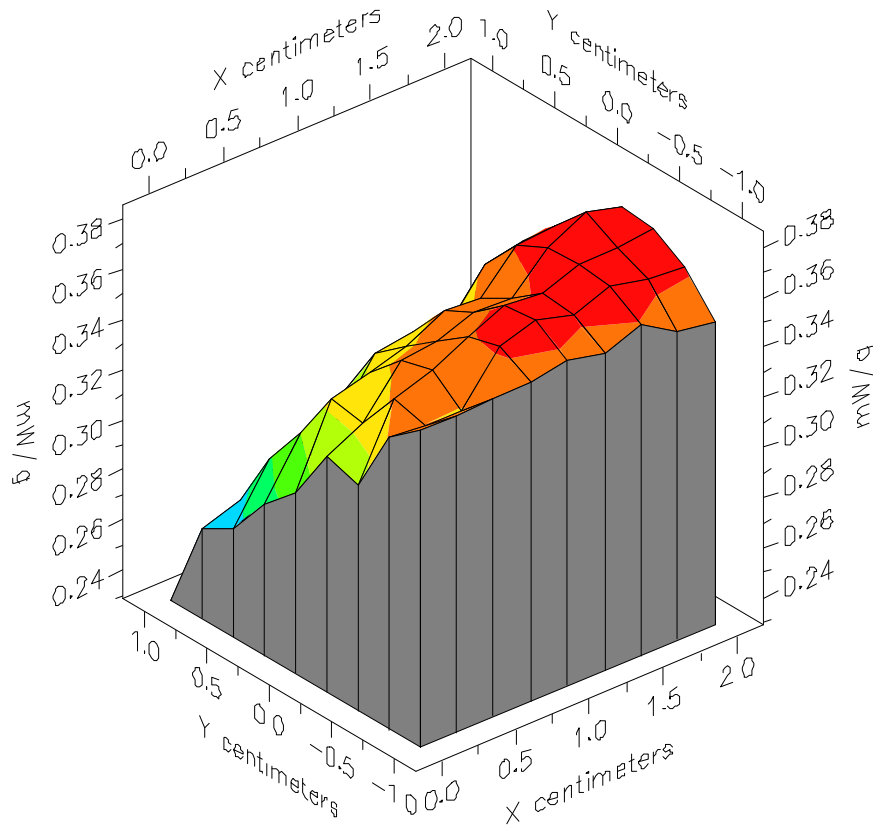


File : 01081709_ZOOM

Start : 17-Aug-101 12:00:19 pm End : 17-Aug-101 12:09:01 pm

HYUNDAI/TX-25B/24;848.97MHz;W;Helical/In;

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

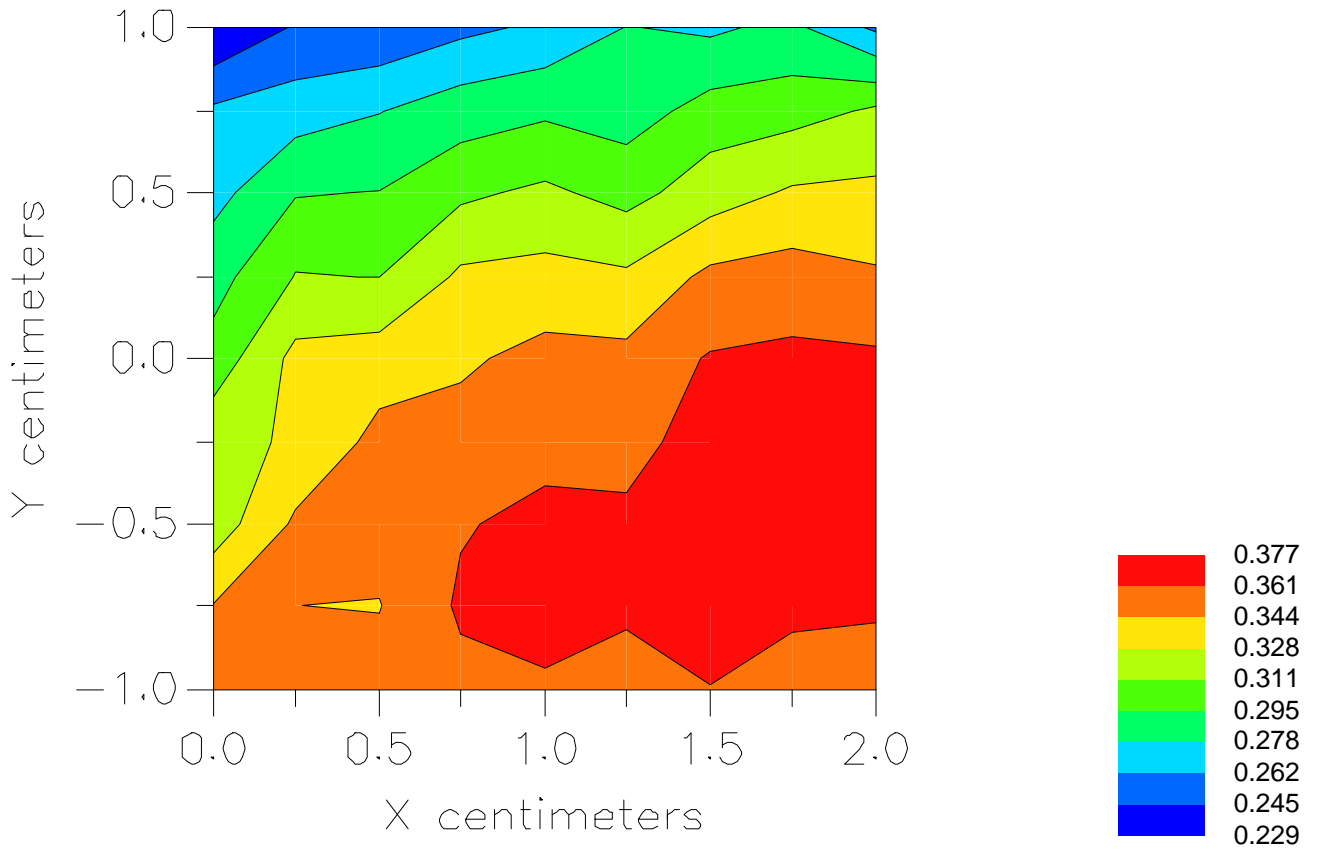


File : 01081709_ZOOM

Start : 17-Aug-101 12:00:19 pm End : 17-Aug-101 12:09:01 pm

HYUNDAI/TX-25B/24;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/01081710_ZOOM.VLT
Start : 17-Aug-101 12:09:35 pm End : 17-Aug-101 12:18:18 pm

Radio Type : HYUNDAI
Model Number : TX-25B
Serial Number : 24
Frequency : 848.97 MHz
Peak Trans. Pwr : 0.530 W
Start Trans. Pwr : 0.530 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 Conducted 27.2 dBm
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 = 1.750, Y = -0.250, Z = 0.000 (cm) Value = 4.726

Measured Values (volts) =
4.105E-003 3.422E-003 2.874E-003 2.434E-003 2.058E-003 1.691E-003
1.463E-003 1.206E-003 1.114E-003 1.013E-003 9.904E-004 9.607E-004
9.201E-004 8.704E-004 7.952E-004 6.604E-004 5.185E-004 3.916E-004
2.637E-004 2.203E-004 2.086E-004

Calc. Voltage @ Surface (Vs) = 0.0049

Voltage @ 1.00 cm (Vt) = 0.0024

Ave. Voltage (Vs+Vt)/2 = 0.0037

Ave. SAR over 1 g (mW/g) = 0.3038

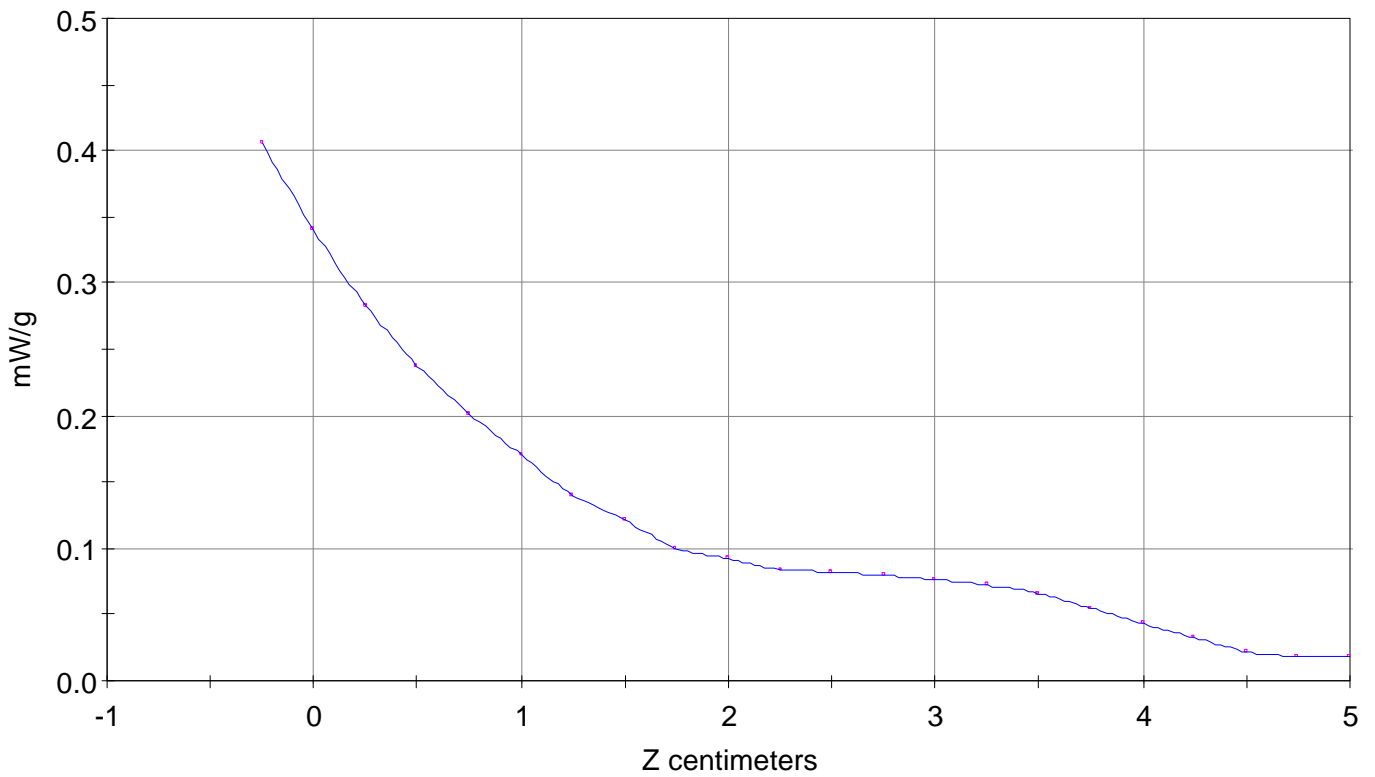
SAR Scan

File : 01081710_ZOOM

Start : 17-Aug-101 12:09:35 pm End : 17-Aug-101 12:18:18 pm

HYUNDAI/TX-25B/24;848.97MHz;W;Helical/Out;

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

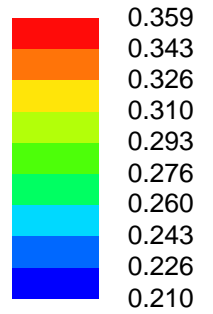
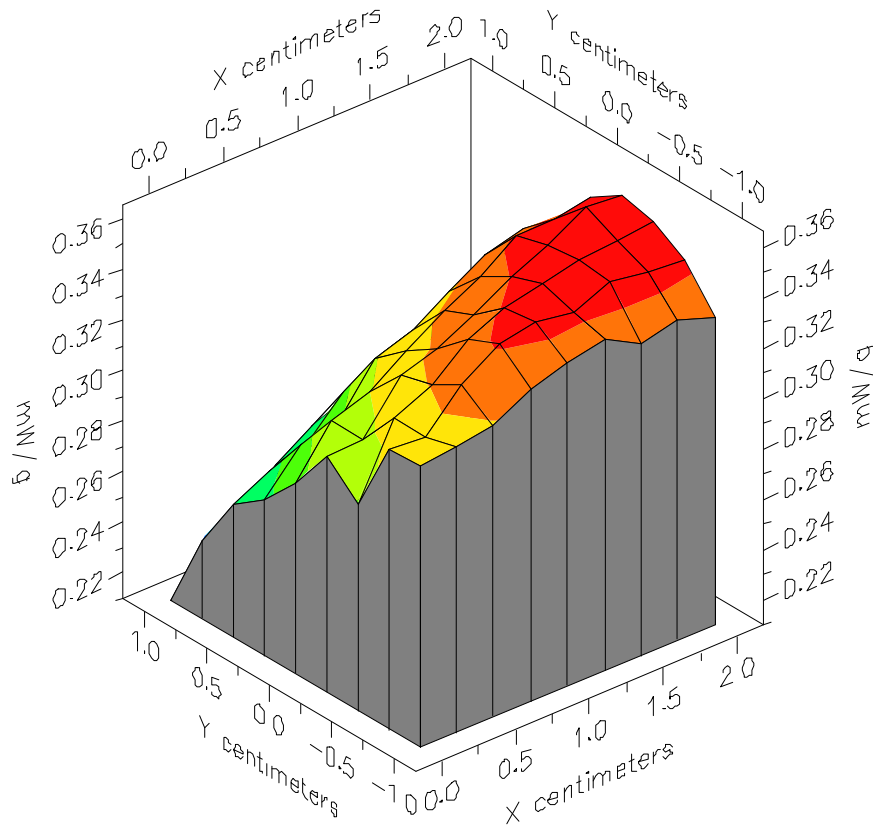


File : 01081710_ZOOM

Start : 17-Aug-101 12:09:35 pm End : 17-Aug-101 12:18:18 pm

HYUNDAI/TX-25B/24;848.97MHz;W;Helical/Out;

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

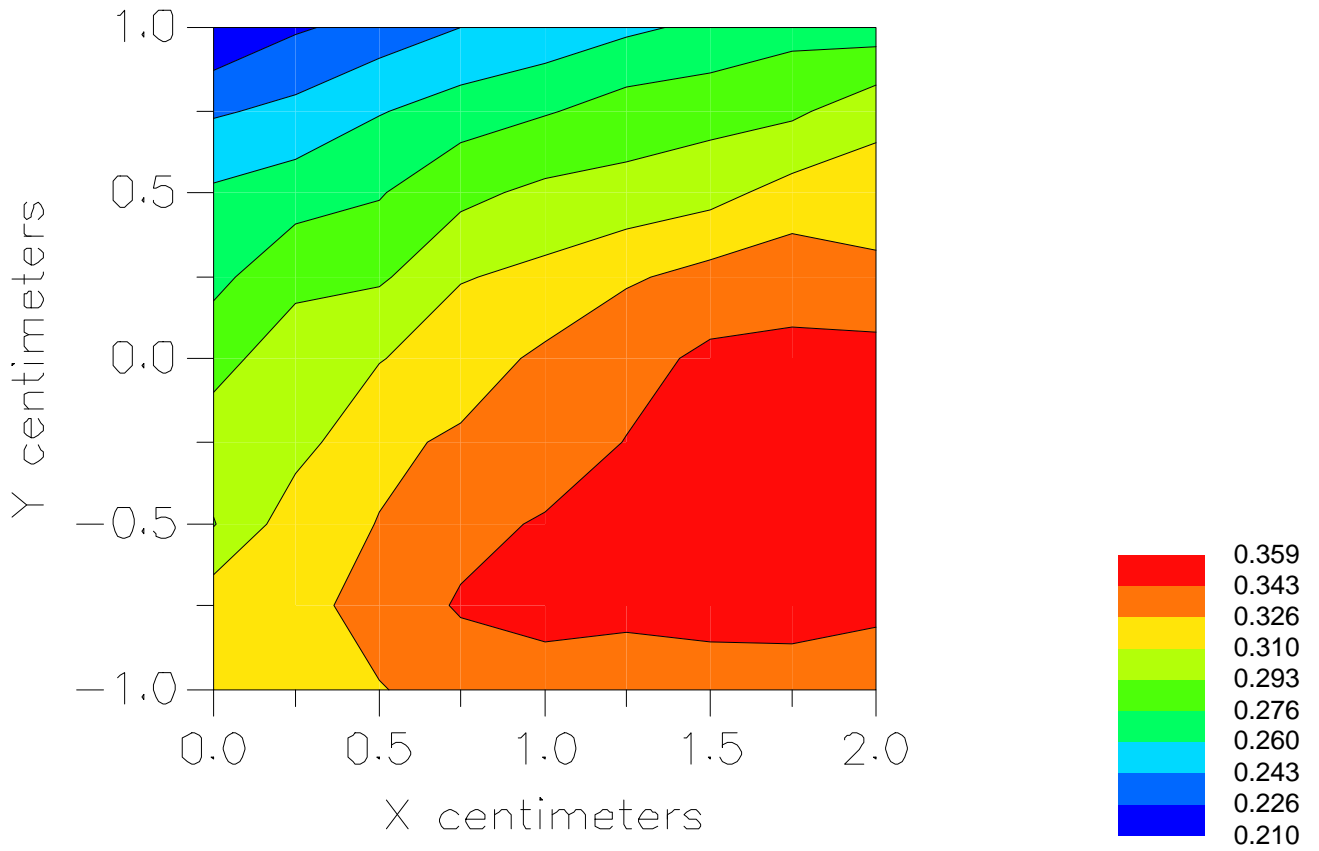


File : 01081710_ZOOM

Start : 17-Aug-101 12:09:35 pm End : 17-Aug-101 12:18:18 pm

HYUNDAI/TX-25B/24;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/01081713_ZOOM.VLT
Start : 17-Aug-101 12:45:49 pm End : 17-Aug-101 12:54:30 pm

Radio Type : HYUNDAI
Model Number : TX-25B
Serial Number : 24
Frequency : 824.70 MHz
Peak Trans. Pwr : 0.350 W
Start Trans. Pwr : 0.350 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 1013 Conducted 25.4 dBm
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 = -1.000, Z = 0.000 (cm) Value = 5.259

Measured Values (volts) =
3.511E-003 2.667E-003 2.055E-003 1.611E-003 1.198E-003 8.758E-004
6.356E-004 4.816E-004 3.703E-004 3.281E-004 3.067E-004 2.794E-004
2.278E-004 1.291E-004 0.000E+000 0.000E+000 0.000E+000 0.000E+000
0.000E+000 0.000E+000 0.000E+000

Calc. Voltage @ Surface (Vs) = 0.0046

Voltage @ 1.00 cm (Vt) = 0.0016

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

Ave. SAR over 1 g (mW/g) = 0.2566

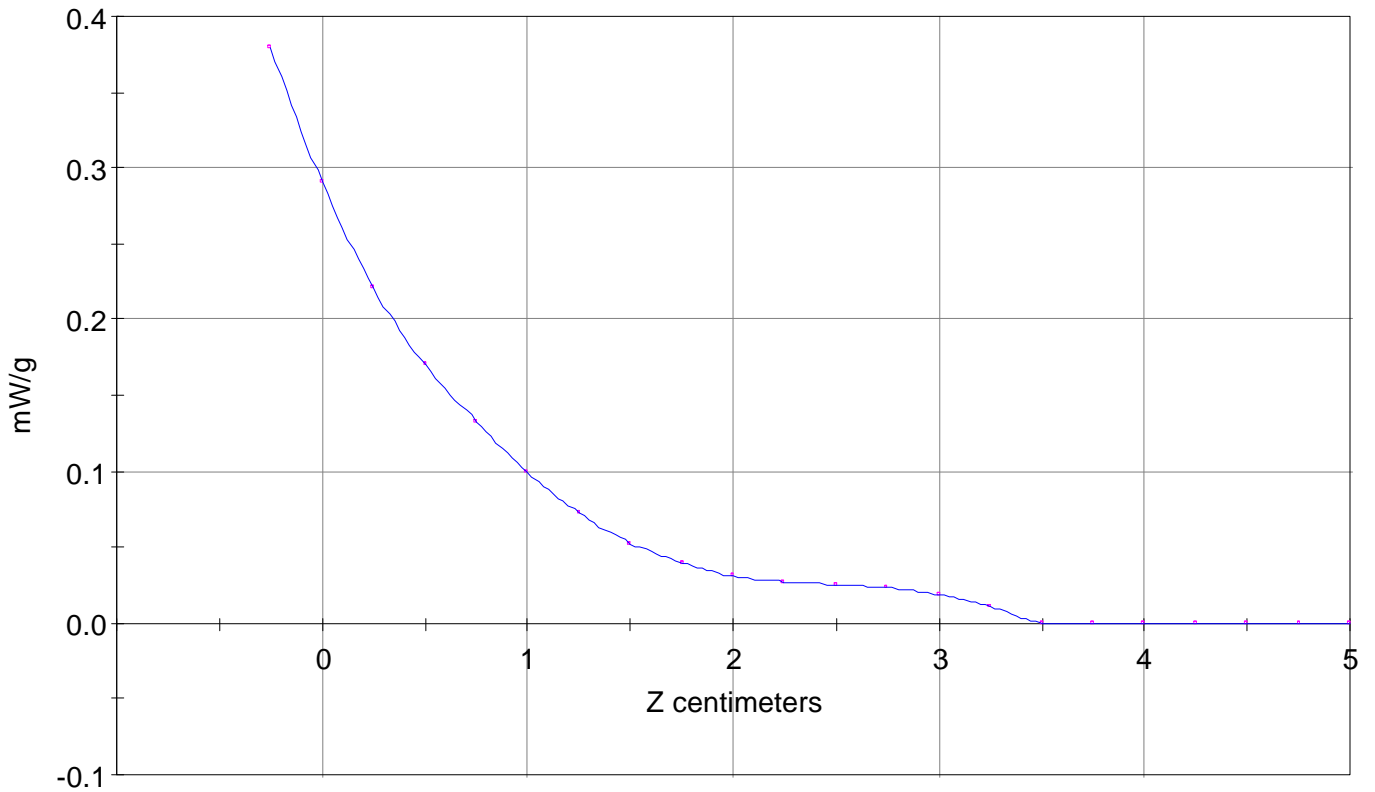
SAR Scan

File : 01081713_ZOOM

Start : 17-Aug-101 12:45:49 pm End : 17-Aug-101 12:54:30 pm

HYUNDAI/TX-25B/24;824.70MHz;W;Helical/In;

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

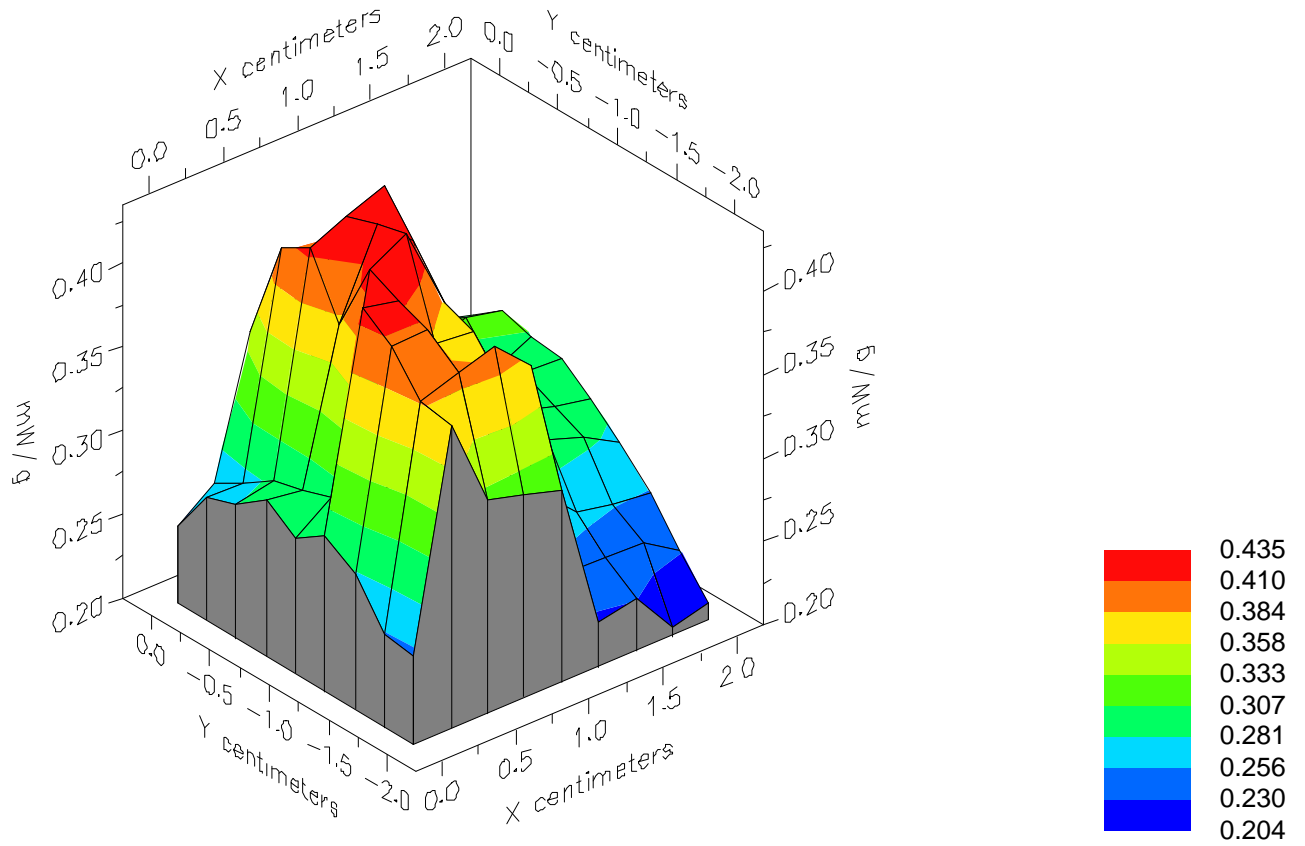


File : 01081713_ZOOM

Start : 17-Aug-101 12:45:49 pm End : 17-Aug-101 12:54:30 pm

HYUNDAI/TX-25B/24;824.70MHz;W;Helical/In;

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

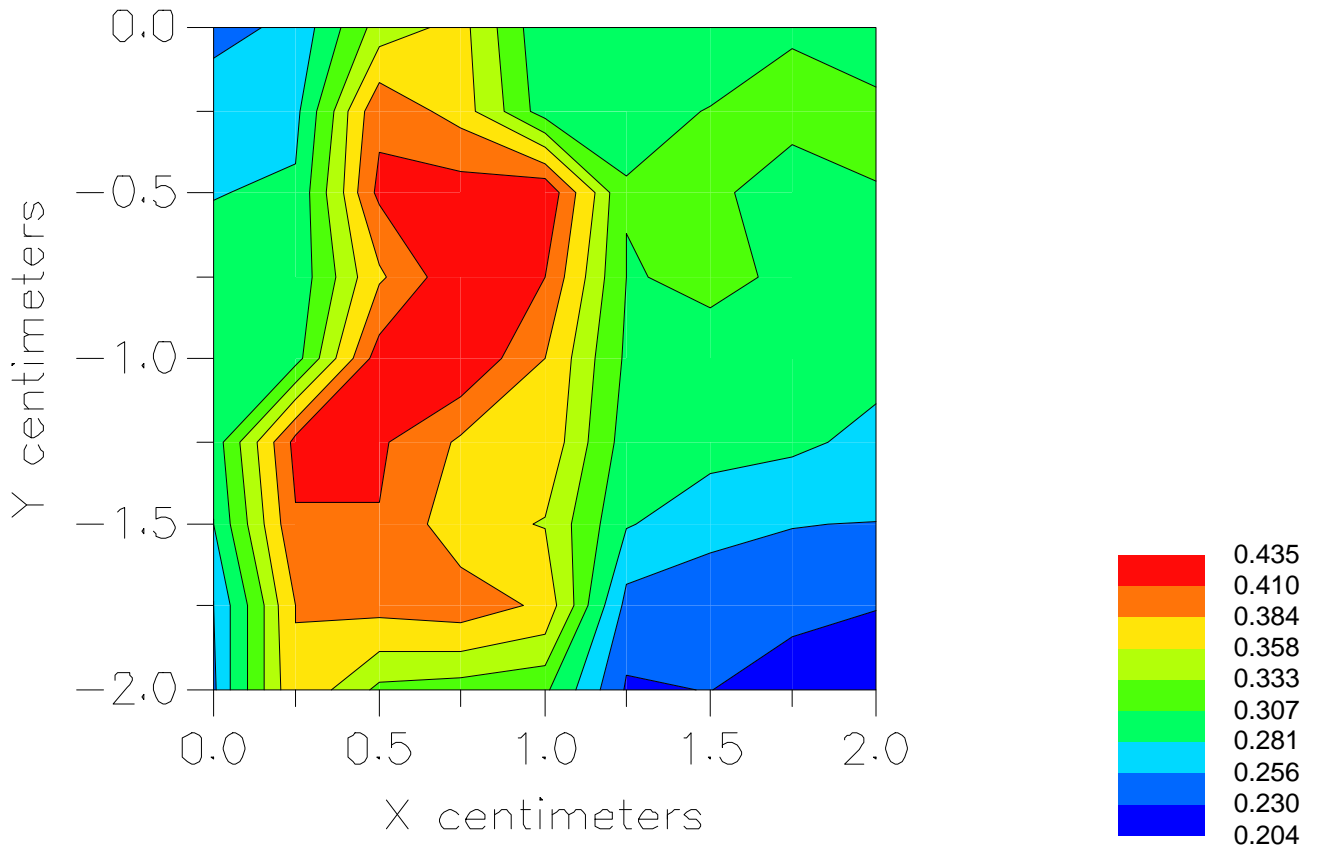


File : 01081713_ZOOM

Start : 17-Aug-101 12:45:49 pm End : 17-Aug-101 12:54:30 pm

HYUNDAI/TX-25B/24;824.70MHz;W;Helical/In;

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



File : c:/idx3/SYSTEM/SARMEAS3/data/Normal/01081703_ZOOM.VLT
Start : 17-Aug-101 10:36:15 am End : 17-Aug-101 10:44:57 am

Radio Type : HYUNDAI
Model Number : TX-25B
Serial Number : 24
Frequency : 824.70 MHz
Peak Trans. Pwr : 0.350 W
Start Trans. Pwr : 0.350 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 1013 Conducted 25.4 dBm
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 = -0.500, Z = 0.000 (cm) Value = 3.907

Measured Values (volts) =
3.544E-003 2.856E-003 2.391E-003 1.972E-003 1.617E-003 1.323E-003
1.112E-003 9.386E-004 8.639E-004 8.934E-004 8.481E-004 7.992E-004
7.743E-004 6.615E-004 5.823E-004 4.459E-004 3.153E-004 2.107E-004
1.704E-004 2.332E-004 2.500E-004

Calc. Voltage @ Surface (Vs) = 0.0043

Voltage @ 1.00 cm (Vt) = 0.0020

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

Ave. SAR over 1 g (mW/g) = 0.2602

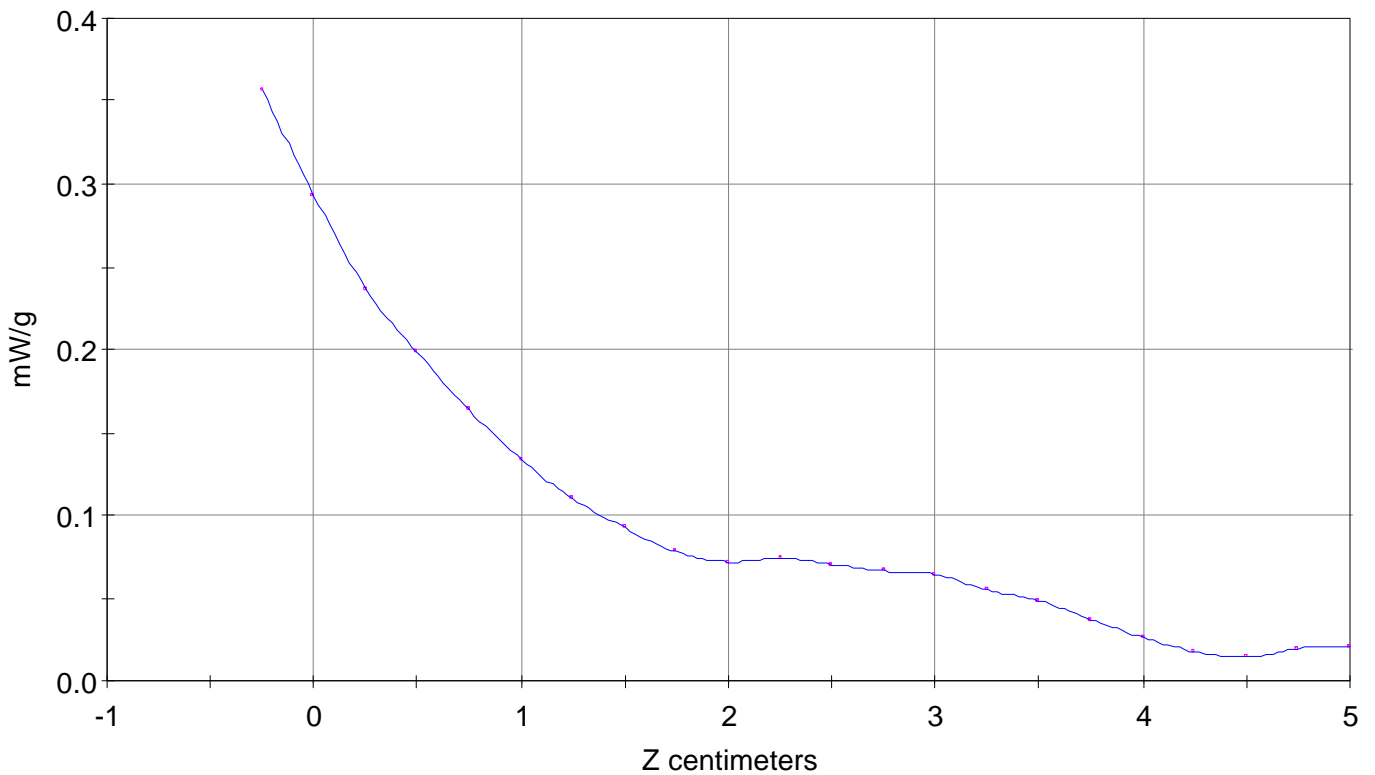
SAR Scan

File : 01081703_ZOOM

Start : 17-Aug-101 10:36:15 am End : 17-Aug-101 10:44:57 am

HYUNDAI/TX-25B/24;824.70MHz;W;Helical/Out;

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

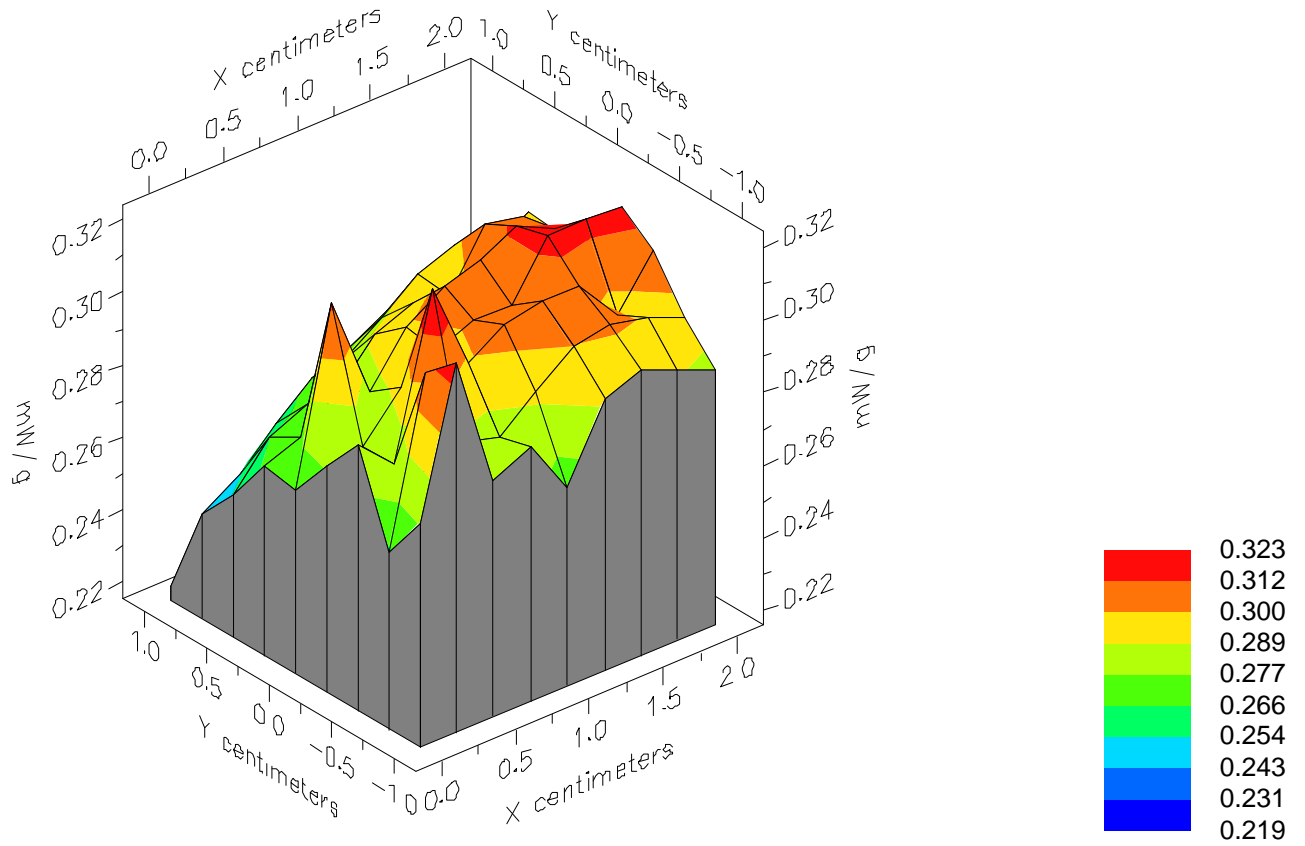


File : 01081703_ZOOM

Start : 17-Aug-101 10:36:15 am End : 17-Aug-101 10:44:57 am

HYUNDAI/TX-25B/24;824.70MHz;W;Helical/Out;

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

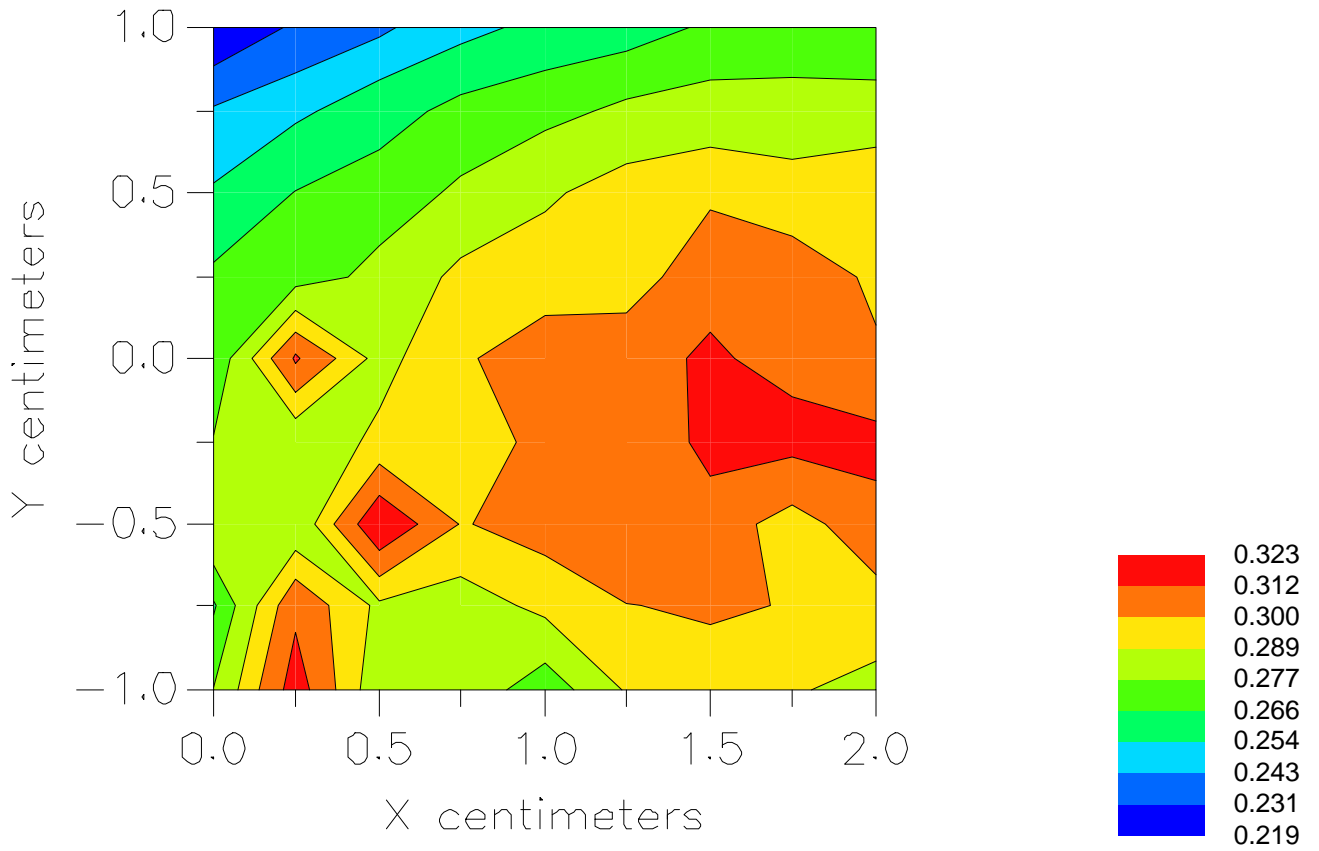


File : 01081703_ZOOM

Start : 17-Aug-101 10:36:15 am End : 17-Aug-101 10:44:57 am

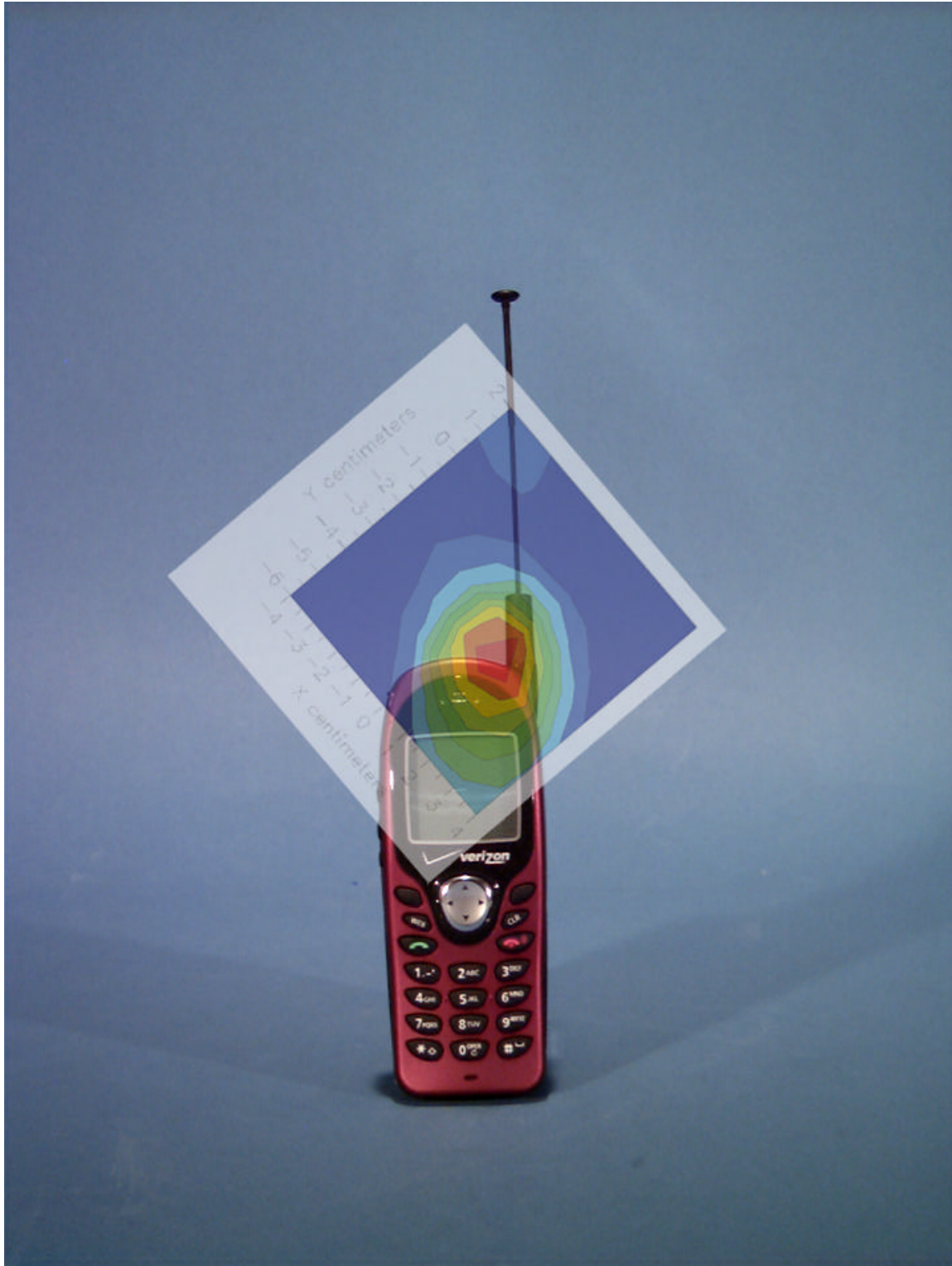
HYUNDAI/TX-25B/24;824.70MHz;W;Helical/Out;

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/01080620_ZOOM.VLT
Start : 6-Aug-101 04:53:57 pm End : 6-Aug-101 05:03:18 pm

Radio Type : HYUNDAI
Model Number : TX-25B
Serial Number : 24
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 TRI-MODE PHONE - PCS MODE
CH 0025 24.8 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 = 0.500, Y = -3.000, Z = 0.000 (cm) Value = 7.551

Measured Values (volts) =
7.427E-003 5.344E-003 3.774E-003 2.638E-003 1.975E-003 1.417E-003
1.056E-003 7.760E-004 5.671E-004 3.580E-004 2.332E-004 2.044E-004
1.763E-004 1.070E-004 7.297E-005 5.630E-005 3.088E-005 4.763E-005
4.142E-005 6.467E-005 3.434E-005

Calc. Voltage @ Surface (Vs) = 0.0104

Voltage @ 1.00 cm (Vt) = 0.0026

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

Ave. SAR over 1 g (mW/g) = 0.7260

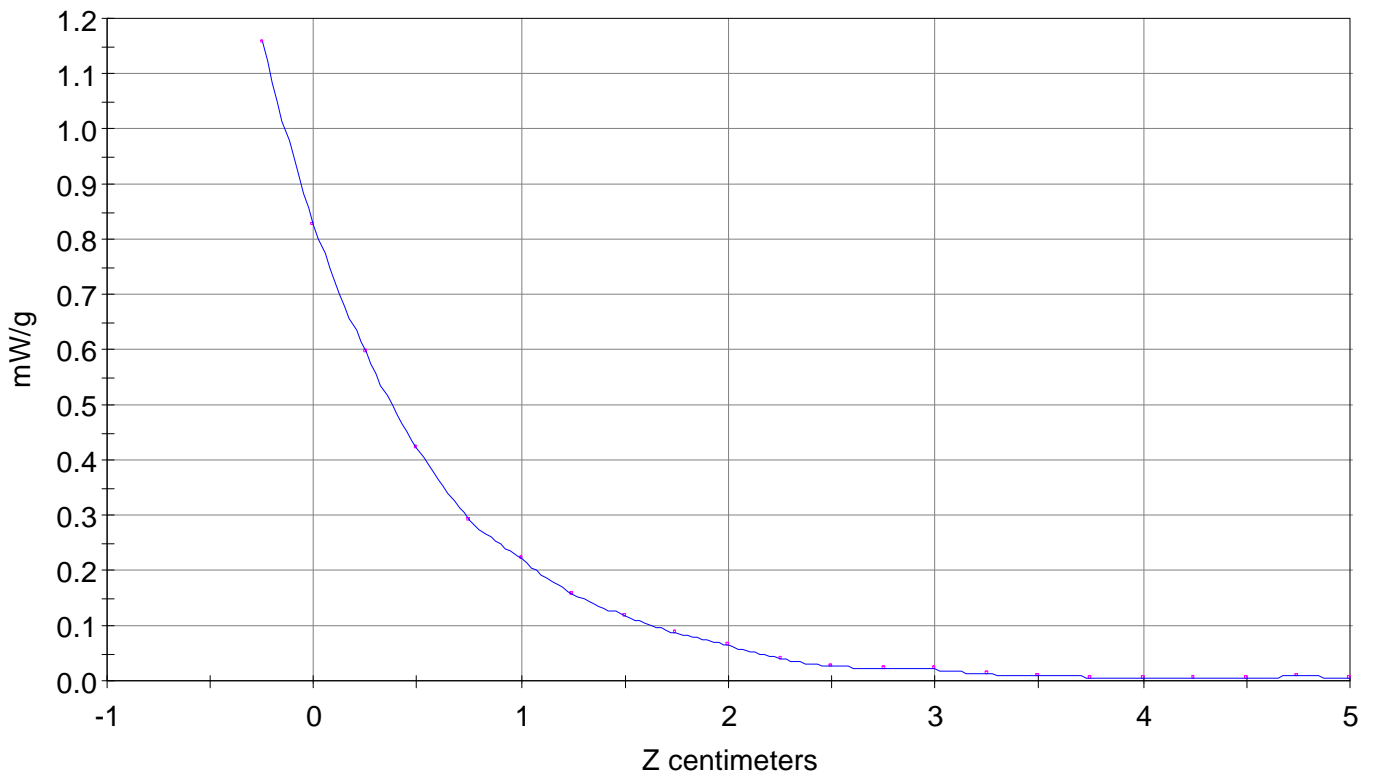
SAR Scan

File : 01080620_ZOOM

Start : 6-Aug-101 04:53:57 pm End : 6-Aug-101 05:03:18 pm

HYUNDAI/TX-25B/24;1851.25MHz;W;Helical/In;

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

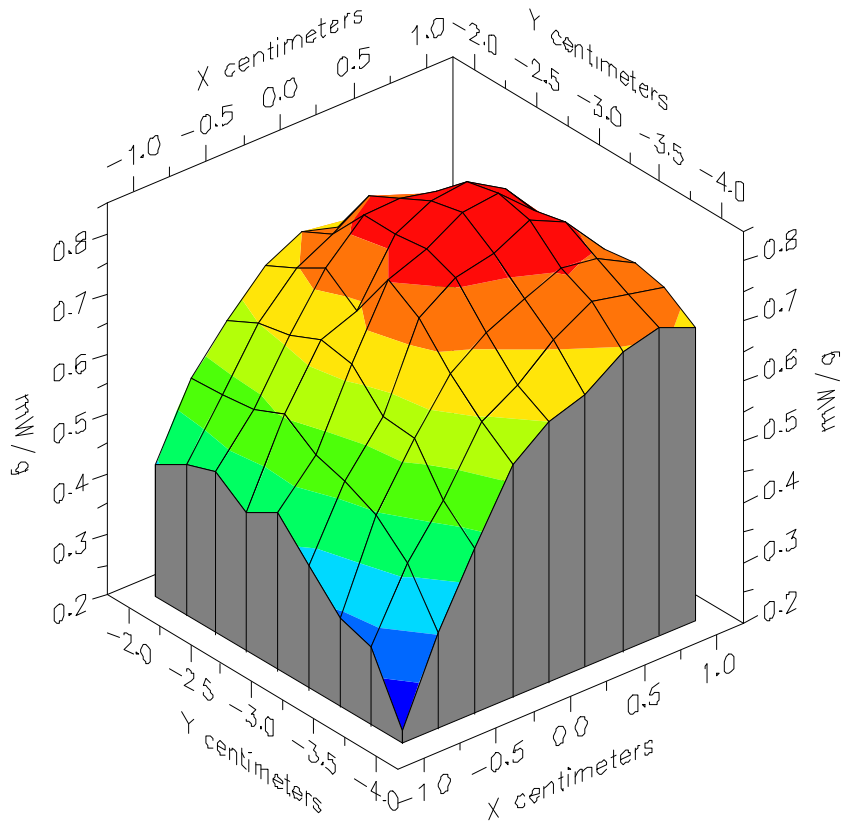


File : 01080620_ZOOM

Start : 6-Aug-101 04:53:57 pm End : 6-Aug-101 05:03:18 pm

HYUNDAI/TX-25B/24;1851.25MHz;W;Helical/In;

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

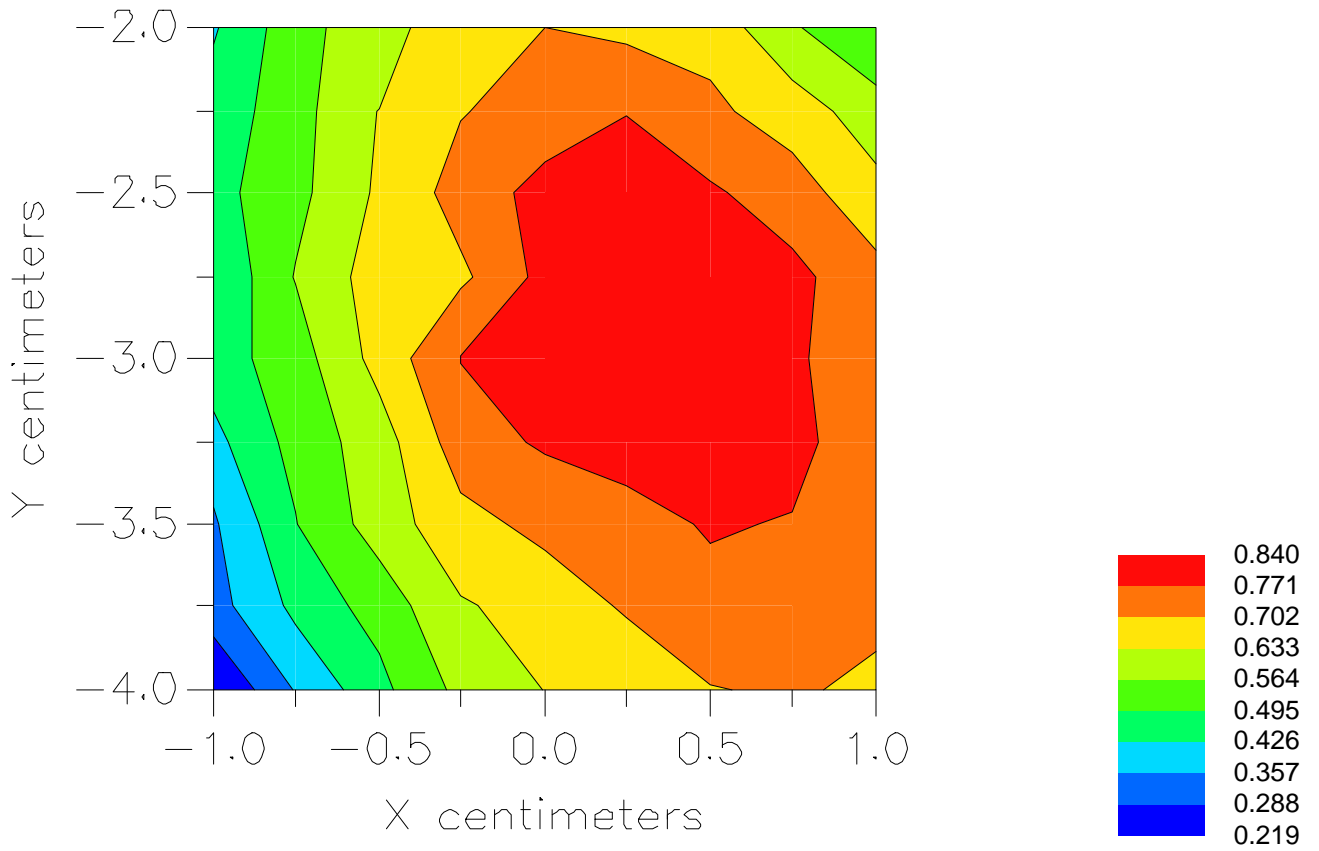


File : 01080620_ZOOM

Start : 6-Aug-101 04:53:57 pm End : 6-Aug-101 05:03:18 pm

HYUNDAI/TX-25B/24;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/01080619_ZOOM.VLT
Start : 6-Aug-101 04:39:38 pm End : 6-Aug-101 04:48:59 pm

Radio Type : HYUNDAI
Model Number : TX-25B
Serial Number : 24
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 TRI-MODE PHONE - PCS MODE
CH 0025 24.8 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 = 0.500, Y = -3.000, Z = 0.000 (cm) Value = 11.153

Measured Values (volts) =
1.064E-002 7.458E-003 4.925E-003 3.748E-003 2.787E-003 2.030E-003
1.509E-003 1.105E-003 8.034E-004 5.637E-004 4.094E-004 3.103E-004
2.122E-004 1.536E-004 1.170E-004 7.245E-005 5.847E-005 5.309E-005
4.523E-005 2.991E-005 2.572E-005

Calc. Voltage @ Surface (Vs) = 0.0156

Voltage @ 1.00 cm (Vt) = 0.0037

Ave. Voltage (Vs+Vt)/2 = 0.0097

Ave. SAR over 1 g (mW/g) = 1.0778

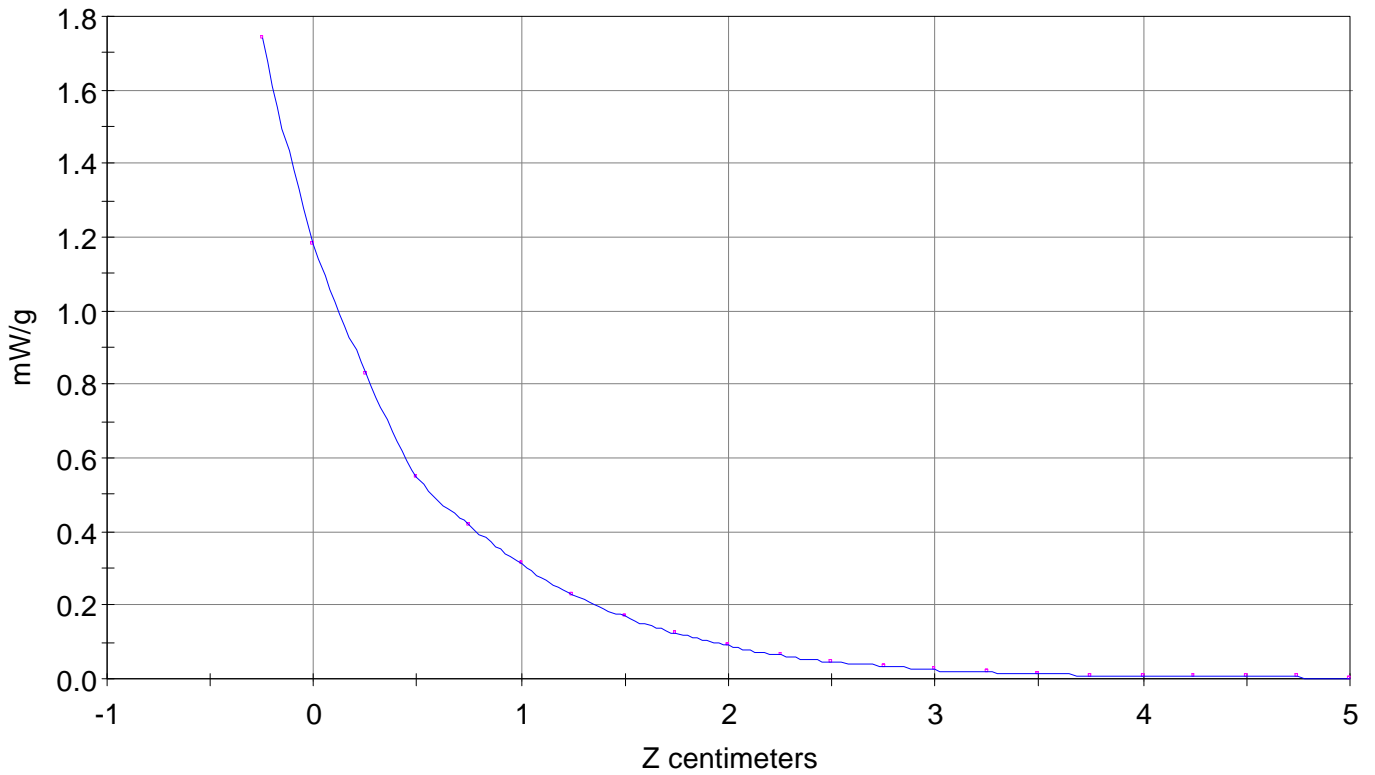
SAR Scan

File : 01080619_ZOOM

Start : 6-Aug-101 04:39:38 pm End : 6-Aug-101 04:48:59 pm

HYUNDAI/TX-25B/24;1851.25MHz;W;Helical/Out;

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

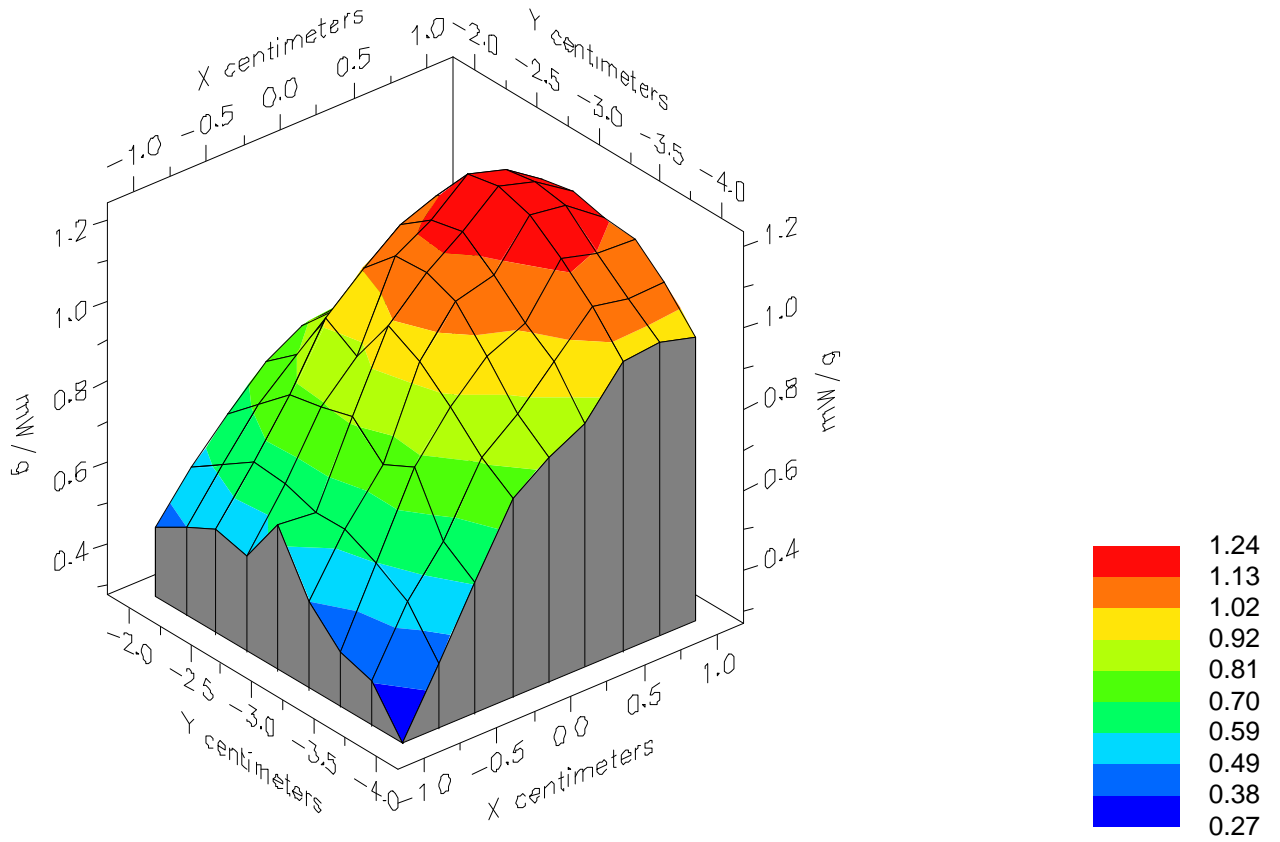


File : 01080619_ZOOM

Start : 6-Aug-101 04:39:38 pm End : 6-Aug-101 04:48:59 pm

HYUNDAI/TX-25B/24;1851.25MHz;W;Helical/Out;

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

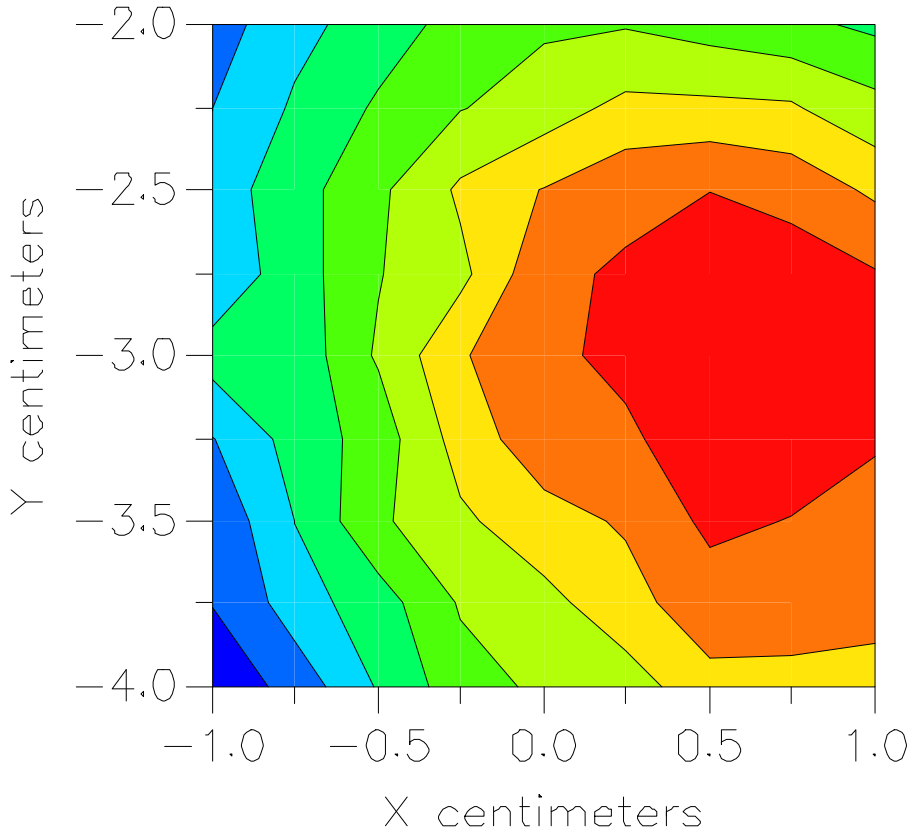


File : 01080619_ZOOM

Start : 6-Aug-101 04:39:38 pm End : 6-Aug-101 04:48:59 pm

HYUNDAI/TX-25B/24;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/01080117_ZOOM.VLT
Start : 1-Aug-101 02:42:58 pm End : 1-Aug-101 02:52:14 pm

Radio Type : HYUNDAI
Model Number : TX-25B
Serial Number : 24
Frequency : 1880.00 MHz
Peak Trans. Pwr : 0.320 W
Start Trans. Pwr : 0.320 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 25.0 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 = 0.000, Y = -2.500, Z = 0.000 (cm) Value = 7.475

Measured Values (volts) =
6.898E-003 4.917E-003 3.413E-003 2.355E-003 1.629E-003 1.198E-003
8.703E-004 6.321E-004 4.722E-004 3.187E-004 2.176E-004 1.391E-004
9.996E-005 6.363E-005 4.183E-005 1.136E-005 0.000E+000 0.000E+000
6.274E-006 1.572E-005 0.000E+000

Calc. Voltage @ Surface (Vs) = 0.0098

Voltage @ 1.00 cm (Vt) = 0.0024

Ave. Voltage (Vs+Vt)/2 = 0.0061

Ave. SAR over 1 g (mW/g) = 0.6762

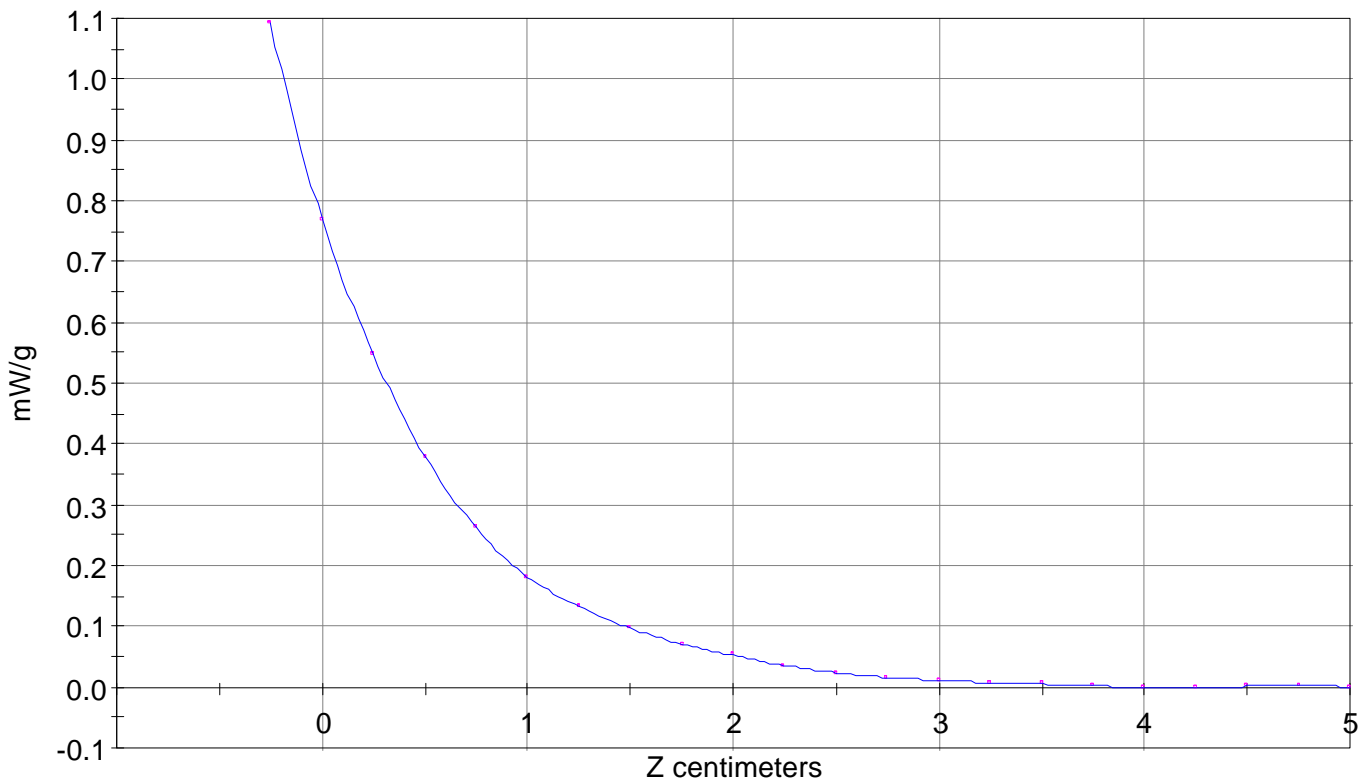
SAR Scan

File : 01080117_ZOOM

Start : 1-Aug-101 02:42:58 pm End : 1-Aug-101 02:52:14 pm

HYUNDAI/TX-25B/24;1880.00MHz;W;Helical/In;

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

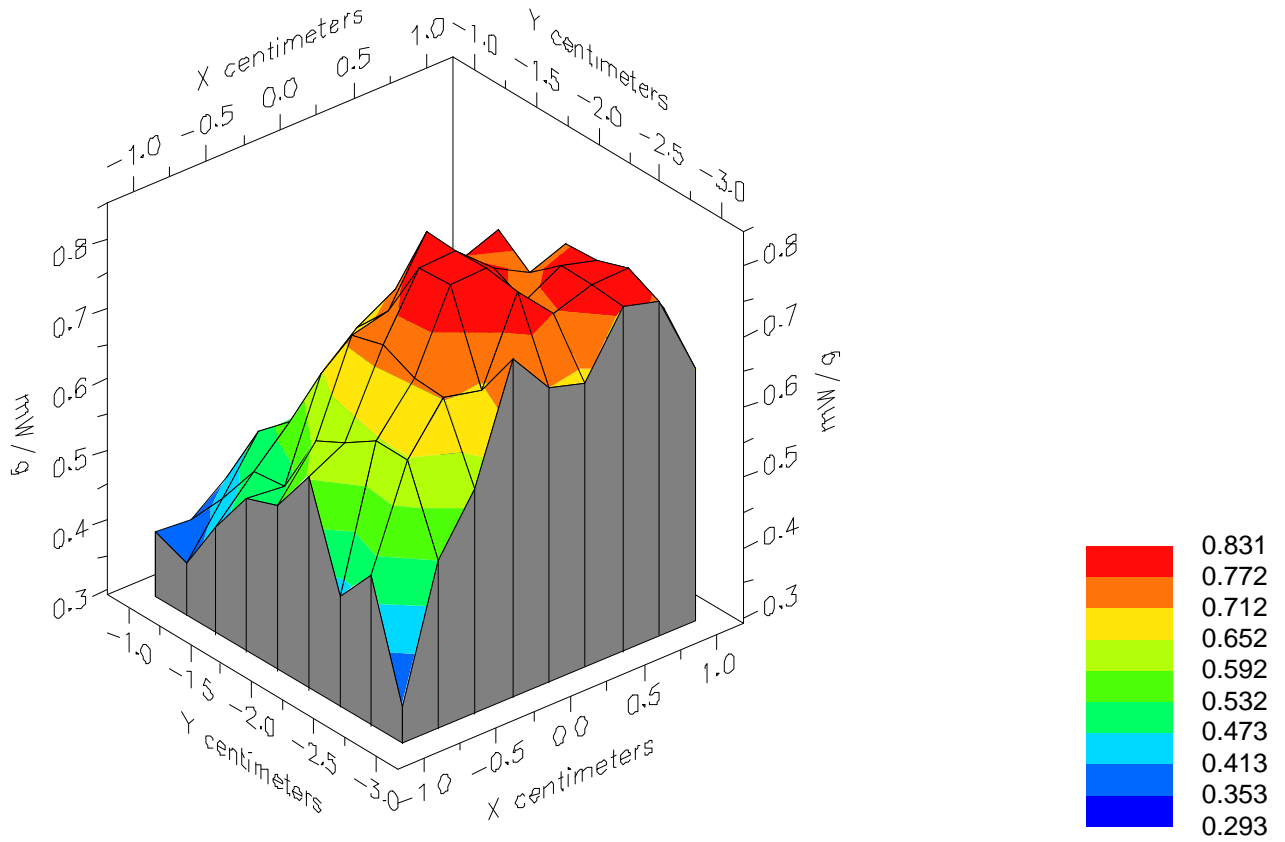


File : 01080117_ZOOM

Start : 1-Aug-101 02:42:58 pm End : 1-Aug-101 02:52:14 pm

HYUNDAI/TX-25B/24;1880.00MHz;W;Helical/In;

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

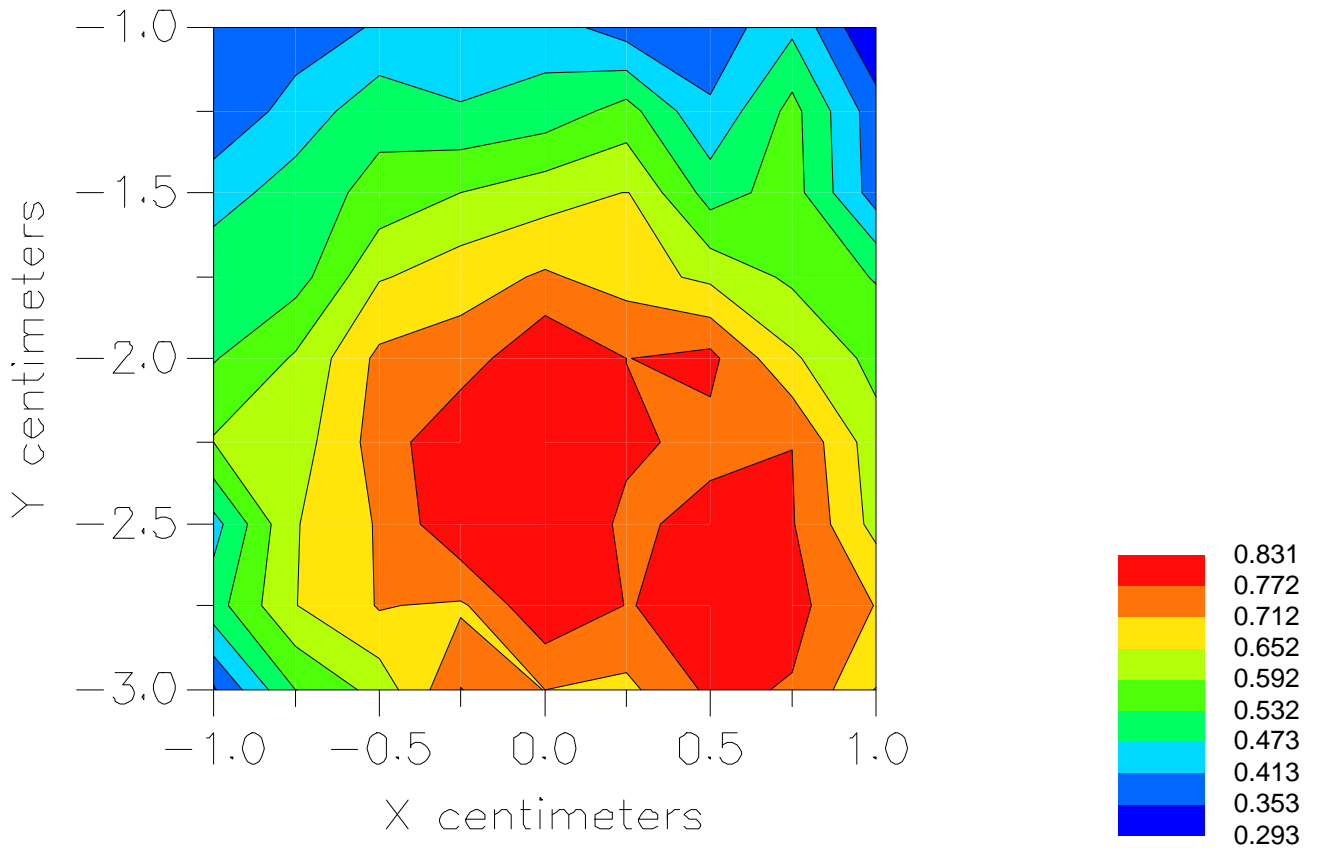


File : 01080117_ZOOM

Start : 1-Aug-101 02:42:58 pm End : 1-Aug-101 02:52:14 pm

HYUNDAI/TX-25B/24;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/01080114_ZOOM.VLT
Start : 1-Aug-101 02:05:12 pm End : 1-Aug-101 02:14:30 pm

Radio Type : HYUNDAI
Model Number : TX-25B
Serial Number : 24
Frequency : 1880.00 MHz
Peak Trans. Pwr : 0.320 W
Start Trans. Pwr : 0.320 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 25.0 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 = 0.000, Y = -2.750, Z = 0.000 (cm) Value = 11.853

Measured Values (volts) =
9.678E-003 7.405E-003 5.505E-003 3.850E-003 2.908E-003 2.063E-003
1.579E-003 1.132E-003 8.611E-004 6.158E-004 4.157E-004 3.123E-004
2.091E-004 1.465E-004 1.056E-004 6.239E-005 9.189E-005 3.004E-005
3.439E-005 4.040E-005 2.541E-005

Calc. Voltage @ Surface (Vs) = 0.0128

Voltage @ 1.00 cm (Vt) = 0.0038

Ave. Voltage (Vs+Vt)/2 = 0.0083

Ave. SAR over 1 g (mW/g) = 0.9276

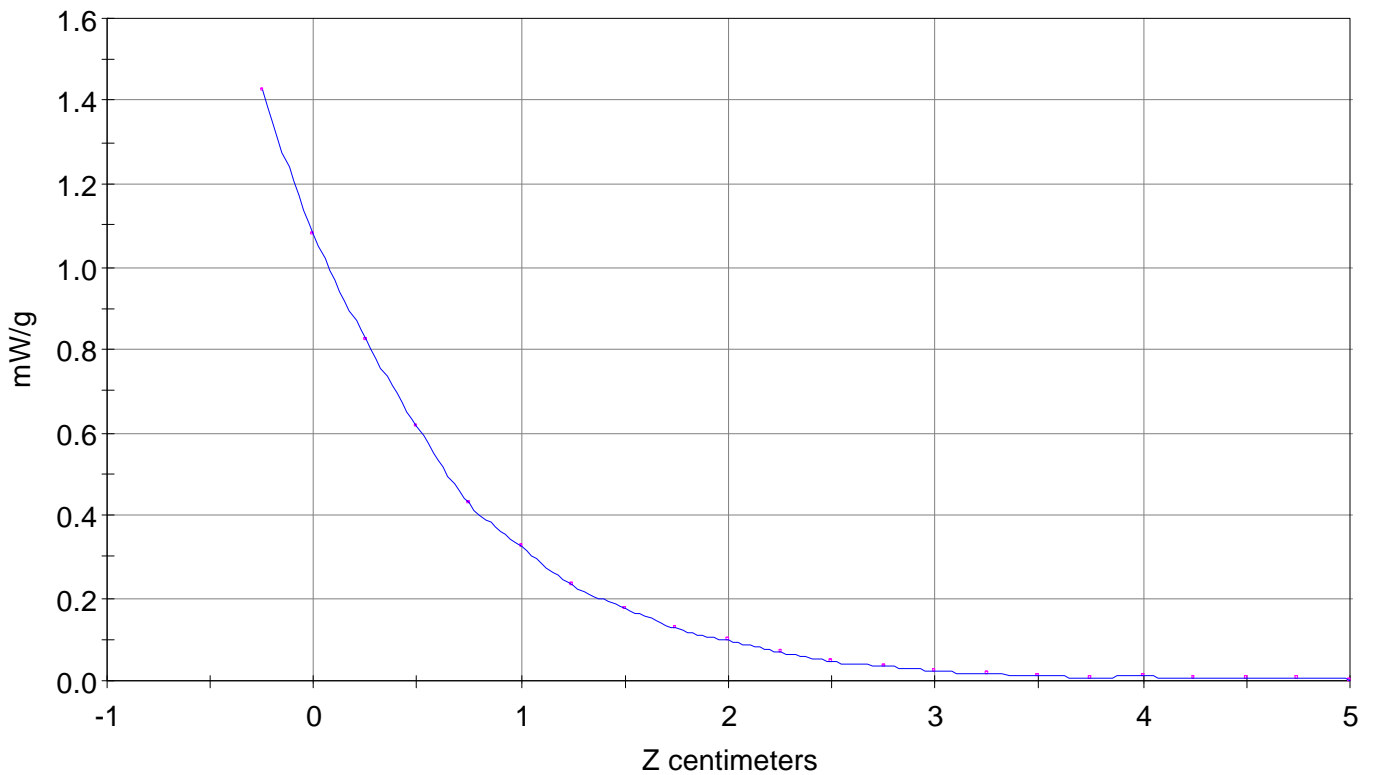
SAR Scan

File : 01080114_ZOOM

Start : 1-Aug-101 02:05:12 pm End : 1-Aug-101 02:14:30 pm

HYUNDAI/TX-25B/24;1880.00MHz;W;Helical/Out;

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

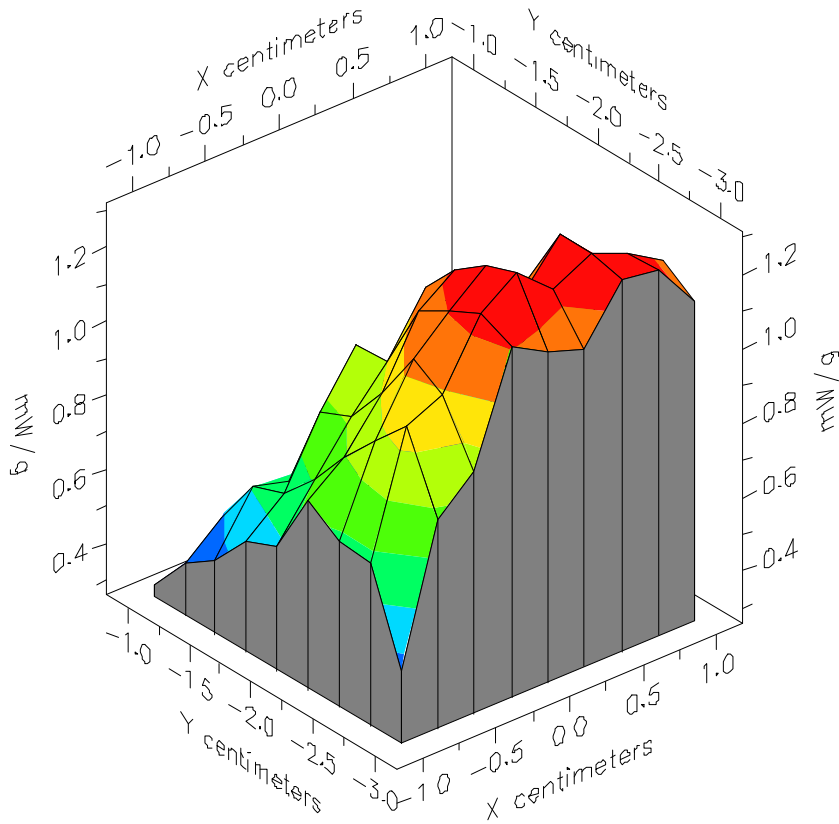


File : 01080114_ZOOM

Start : 1-Aug-101 02:05:12 pm End : 1-Aug-101 02:14:30 pm

HYUNDAI/TX-25B/24;1880.00MHz;W;Helical/Out;

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

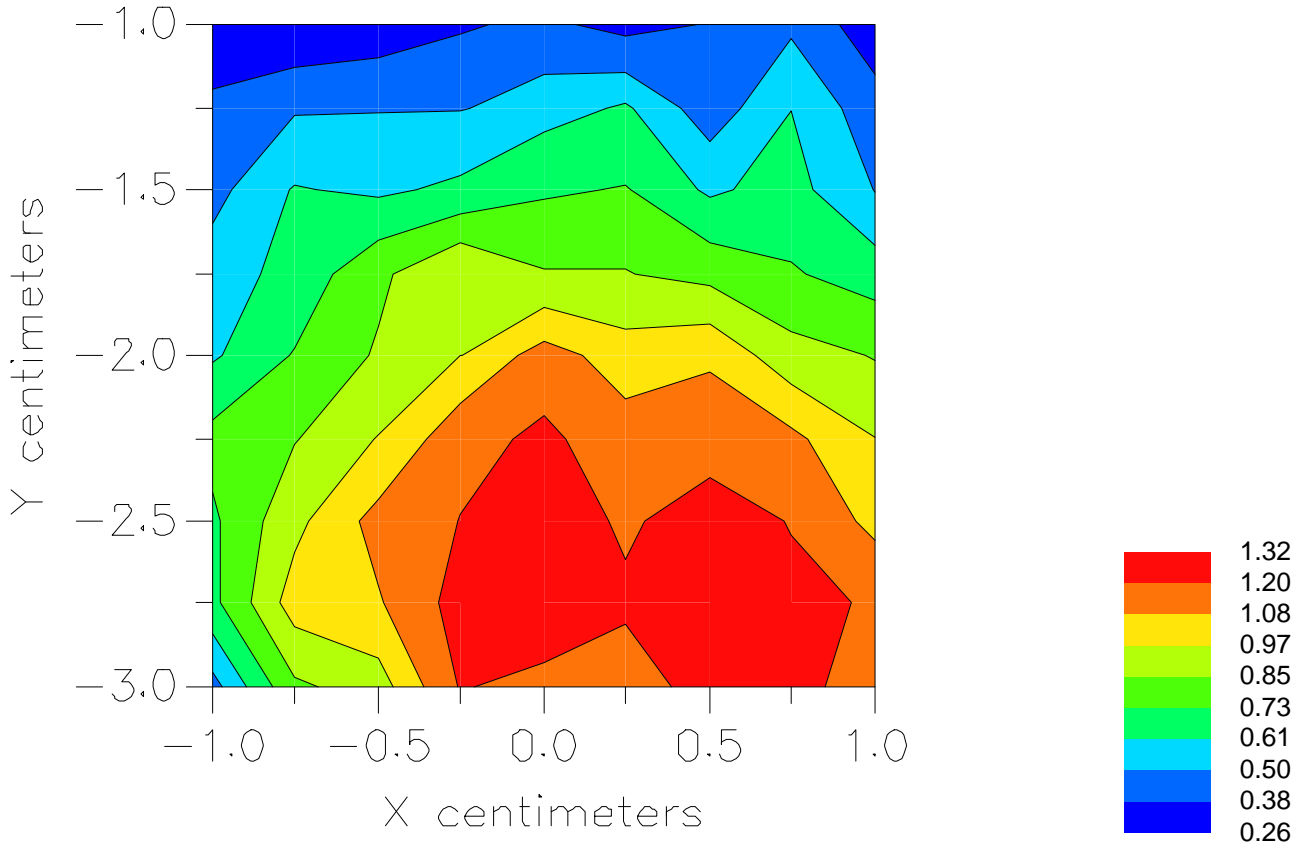


File : 01080114_ZOOM

Start : 1-Aug-101 02:05:12 pm End : 1-Aug-101 02:14:30 pm

HYUNDAI/TX-25B/24;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/01080118_ZOOM.VLT
Start : 1-Aug-101 02:54:52 pm End : 1-Aug-101 03:04:09 pm

Radio Type : HYUNDAI
Model Number : TX-25B
Serial Number : 24
Frequency : 1908.75 MHz
Peak Trans. Pwr : 0.320 W
Start Trans. Pwr : 0.320 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 25.0 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 = 0.000, Y = -2.500, Z = 0.000 (cm) Value = 7.757

Measured Values (volts) =
6.860E-003 5.060E-003 3.419E-003 2.447E-003 1.744E-003 1.228E-003
8.925E-004 6.289E-004 4.706E-004 3.397E-004 2.141E-004 1.250E-004
8.673E-005 3.574E-005 1.824E-005 1.077E-005 0.000E+000 0.000E+000
0.000E+000 8.459E-006 4.723E-006

Calc. Voltage @ Surface (Vs) = 0.0097

Voltage @ 1.00 cm (Vt) = 0.0024

Ave. Voltage (Vs+Vt)/2 = 0.0061

Ave. SAR over 1 g (mW/g) = 0.6768

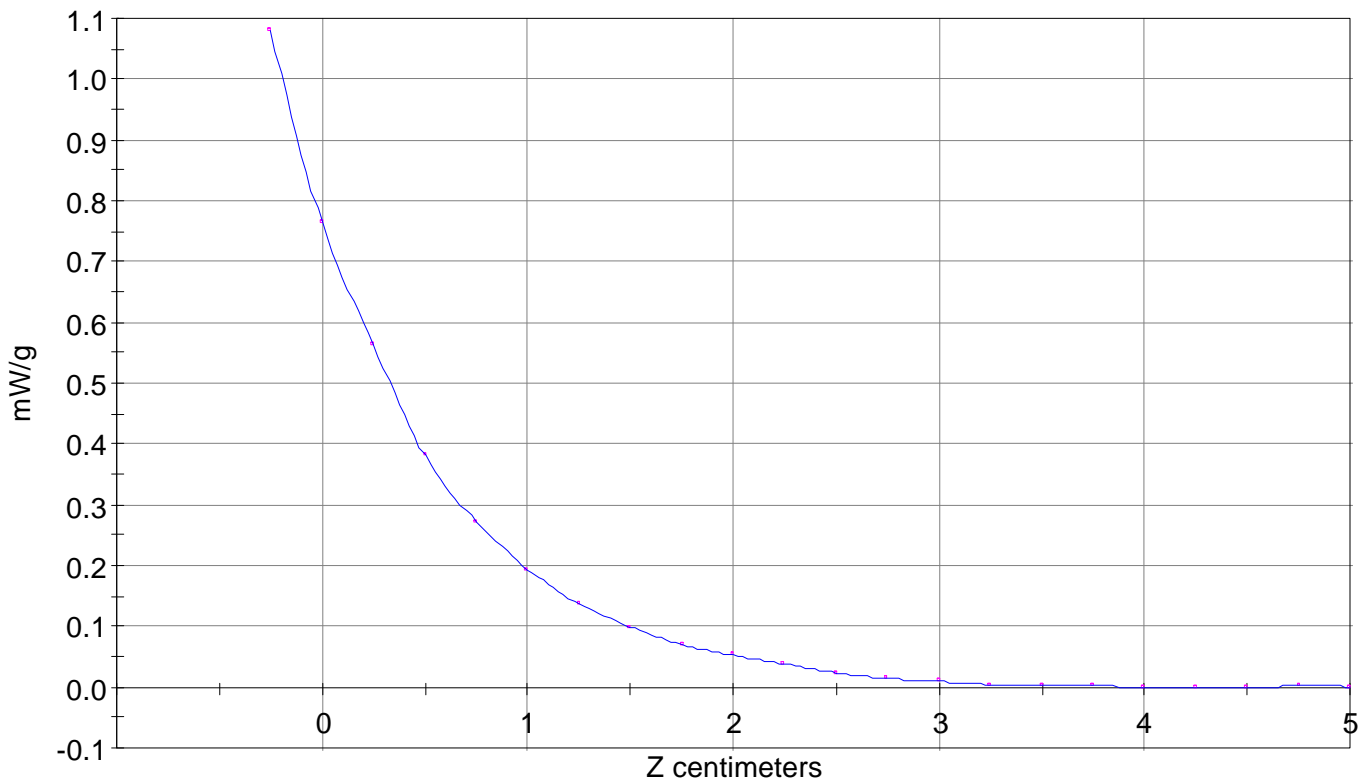
SAR Scan

File : 01080118_ZOOM

Start : 1-Aug-101 02:54:52 pm End : 1-Aug-101 03:04:09 pm

HYUNDAI/TX-25B/24;1908.75MHz;W;Helical/In;

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

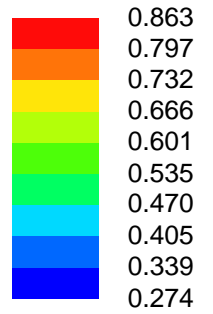
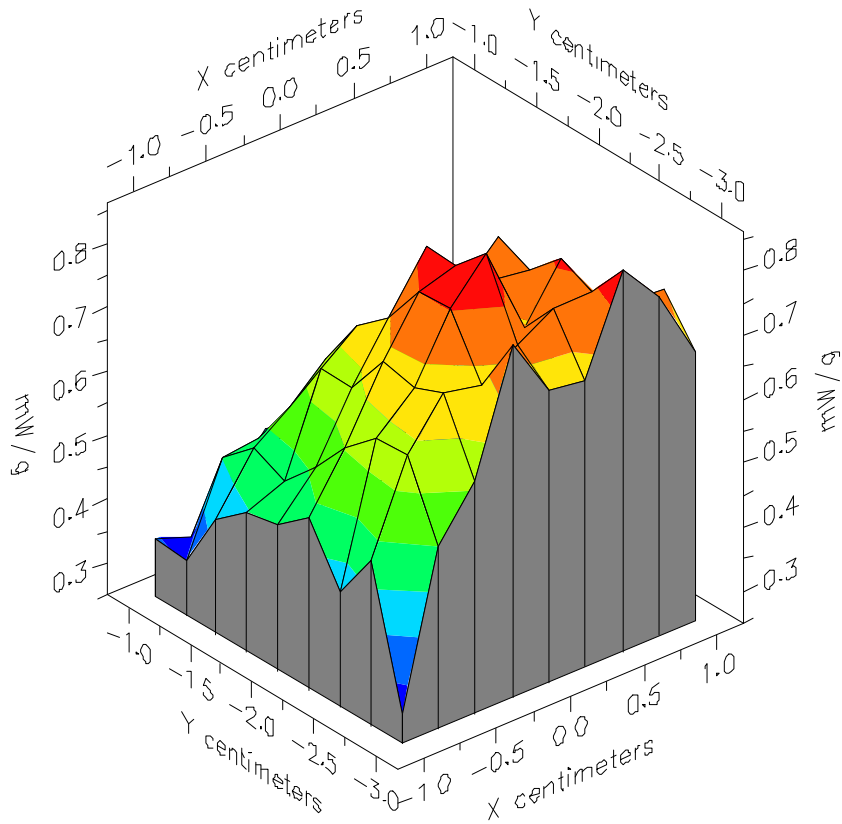


File : 01080118_ZOOM

Start : 1-Aug-101 02:54:52 pm End : 1-Aug-101 03:04:09 pm

HYUNDAI/TX-25B/24;1908.75MHz;W;Helical/In;

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

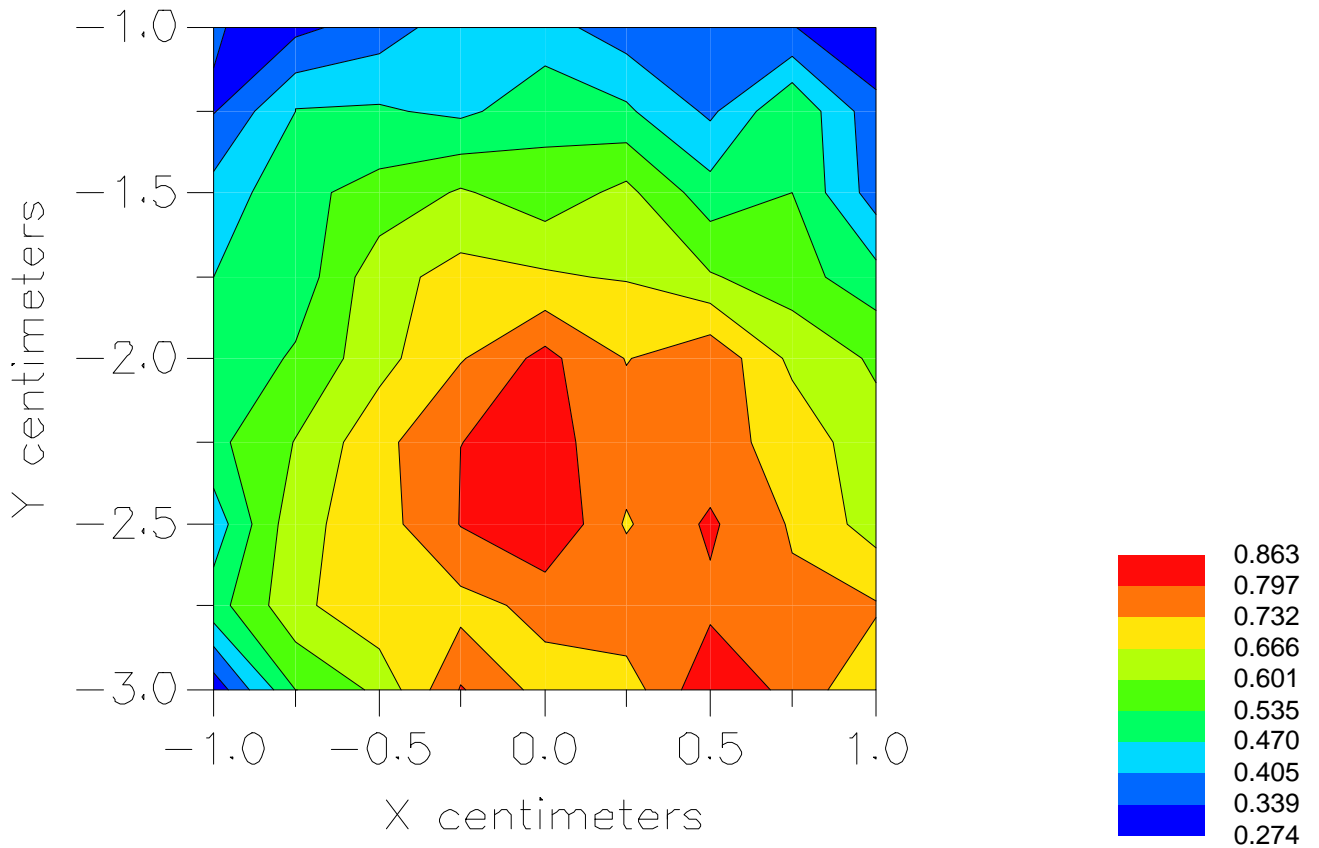


File : 01080118_ZOOM

Start : 1-Aug-101 02:54:52 pm End : 1-Aug-101 03:04:09 pm

HYUNDAI/TX-25B/24;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/01080622_ZOOM.VLT
Start : 6-Aug-101 05:18:39 pm End : 6-Aug-101 05:28:01 pm

Radio Type : HYUNDAI
Model Number : TX-25B
Serial Number : 24
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 TRI-MODE PHONE - PCS MODE
CH 1175 24.8 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 = 0.500, Y = -2.750, Z = 0.000 (cm) Value = 8.834

Measured Values (volts) =
8.706E-003 5.777E-003 3.919E-003 2.703E-003 2.010E-003 1.469E-003
1.063E-003 7.698E-004 5.579E-004 3.640E-004 2.964E-004 2.205E-004
2.209E-004 1.324E-004 7.103E-005 6.879E-005 5.084E-005 3.477E-005
3.417E-005 2.961E-005 4.935E-006

Calc. Voltage @ Surface (Vs) = 0.0130

Voltage @ 1.00 cm (Vt) = 0.0027

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

Ave. SAR over 1 g (mW/g) = 0.8718

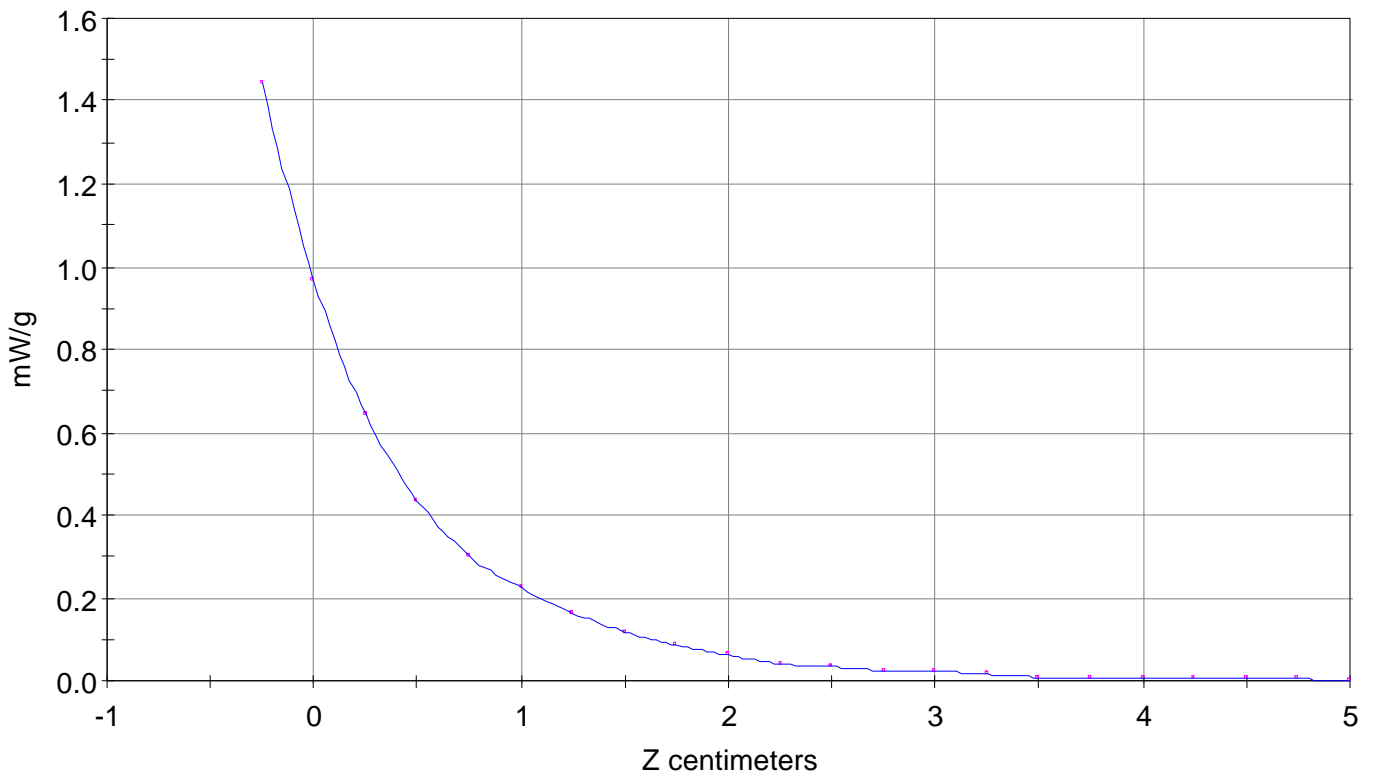
SAR Scan

File : 01080622_ZOOM

Start : 6-Aug-101 05:18:39 pm End : 6-Aug-101 05:28:01 pm

HYUNDAI/TX-25B/24;1908.75MHz;W;Helical/Out;

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

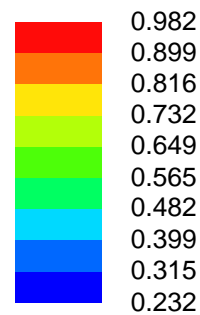
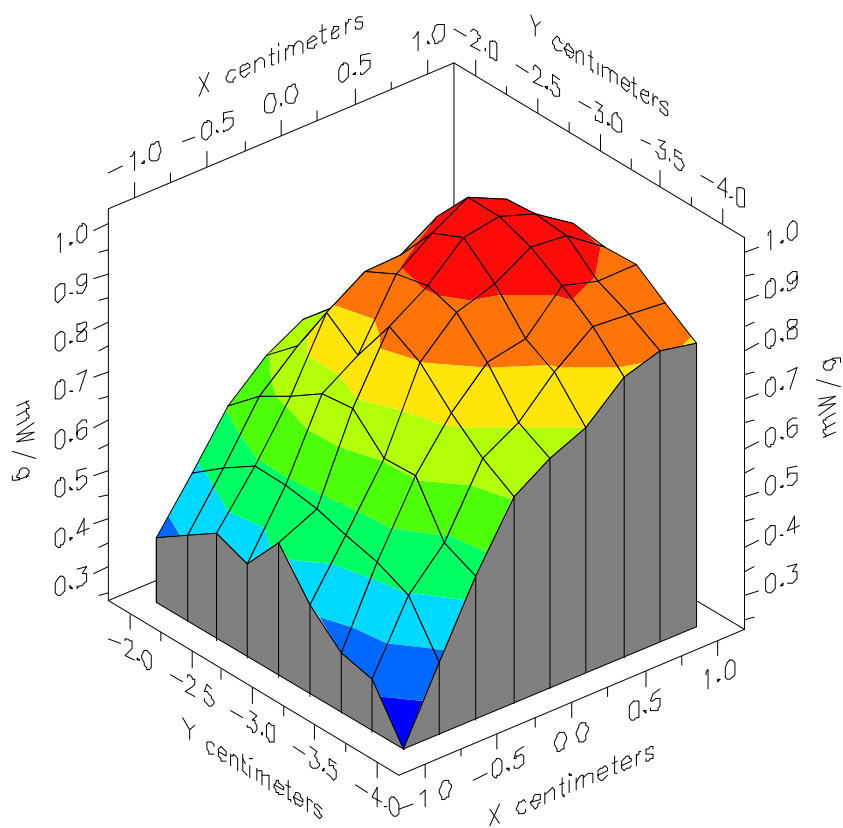


File : 01080622_ZOOM

Start : 6-Aug-101 05:18:39 pm End : 6-Aug-101 05:28:01 pm

HYUNDAI/TX-25B/24;1908.75MHz;W;Helical/Out;

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

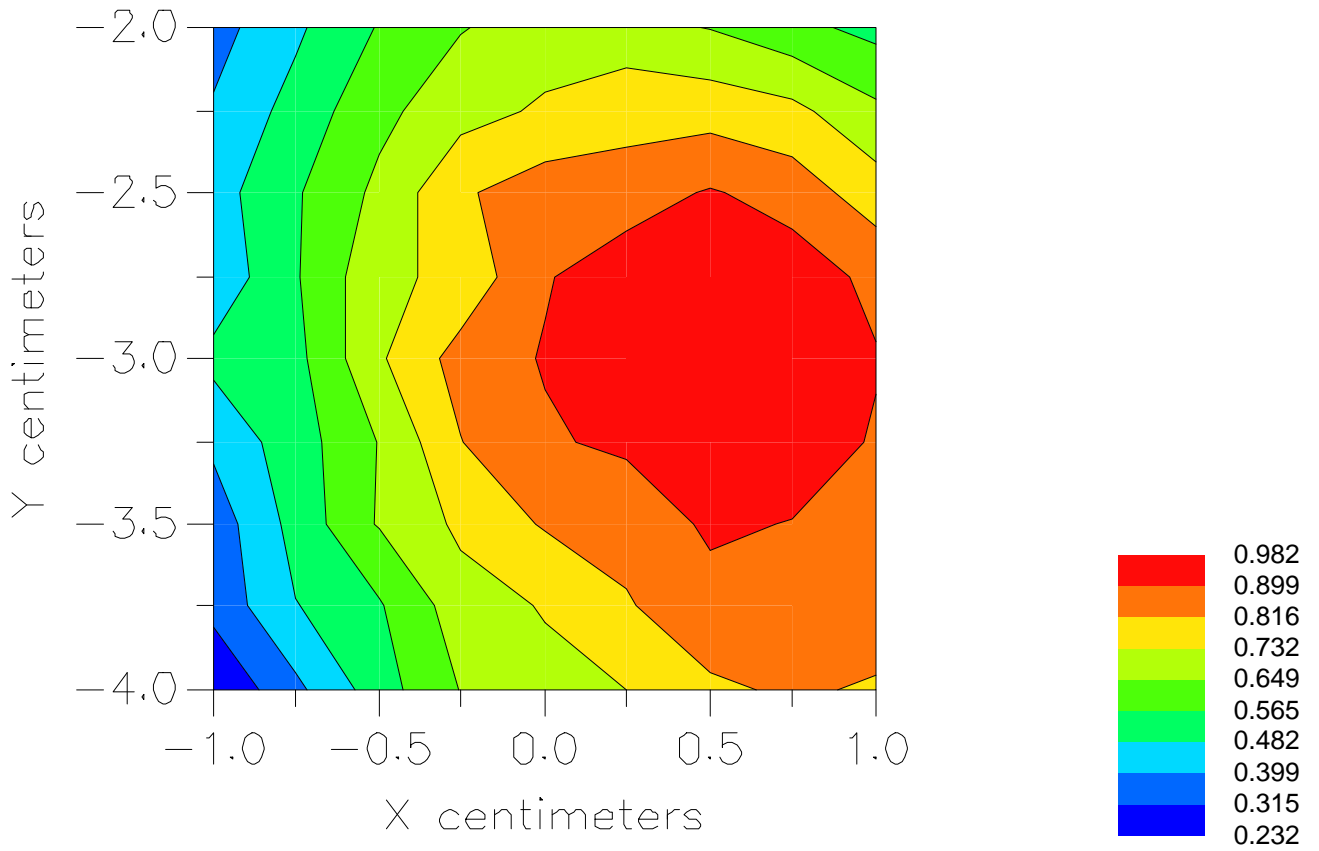


File : 01080622_ZOOM

Start : 6-Aug-101 05:18:39 pm End : 6-Aug-101 05:28:01 pm

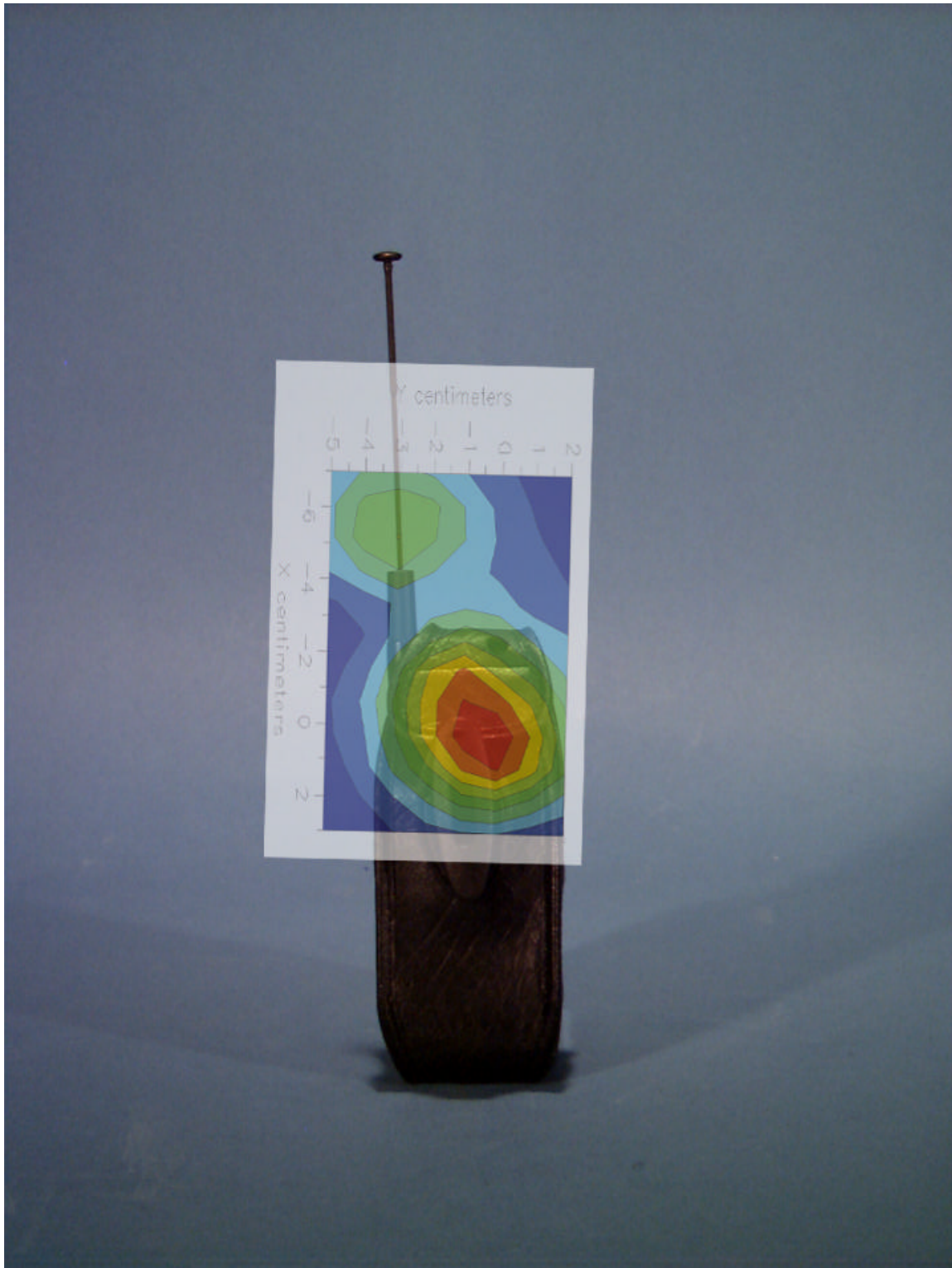
HYUNDAI/TX-25B/24;1908.75MHz;W;Helical/Out;

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



Peak SAR Location

1800 MHz Body SAR



File : c:/idx3/SYSTEM/SARMEAS3/data/Normal/01080703_ZOOM.VLT
Start : 7-Aug-101 10:56:06 am End : 7-Aug-101 11:04:11 am

Radio Type : HYUNDAI
Model Number : TX-25B
Serial Number : 24
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 TRI-MODE PHONE - PCS MODE
CH 0025 24.8 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 = 0.250, Y = -0.750, Z = 0.000 (cm) Value = 1.226

Measured Values (volts) =
1.135E-003 9.445E-004 7.784E-004 6.615E-004 5.808E-004 5.133E-004
4.565E-004 4.168E-004 3.685E-004 3.700E-004 3.272E-004 2.842E-004
2.857E-004 2.743E-004 2.171E-004 2.651E-004 2.173E-004 2.269E-004
1.758E-004 2.492E-004 1.972E-004

Calc. Voltage @ Surface (Vs) = 0.0014

Voltage @ 1.00 cm (Vt) = 0.0007

Ave. Voltage (Vs+Vt)/2 = 0.0010

Ave. SAR over 1 g (mW/g) = 0.1297

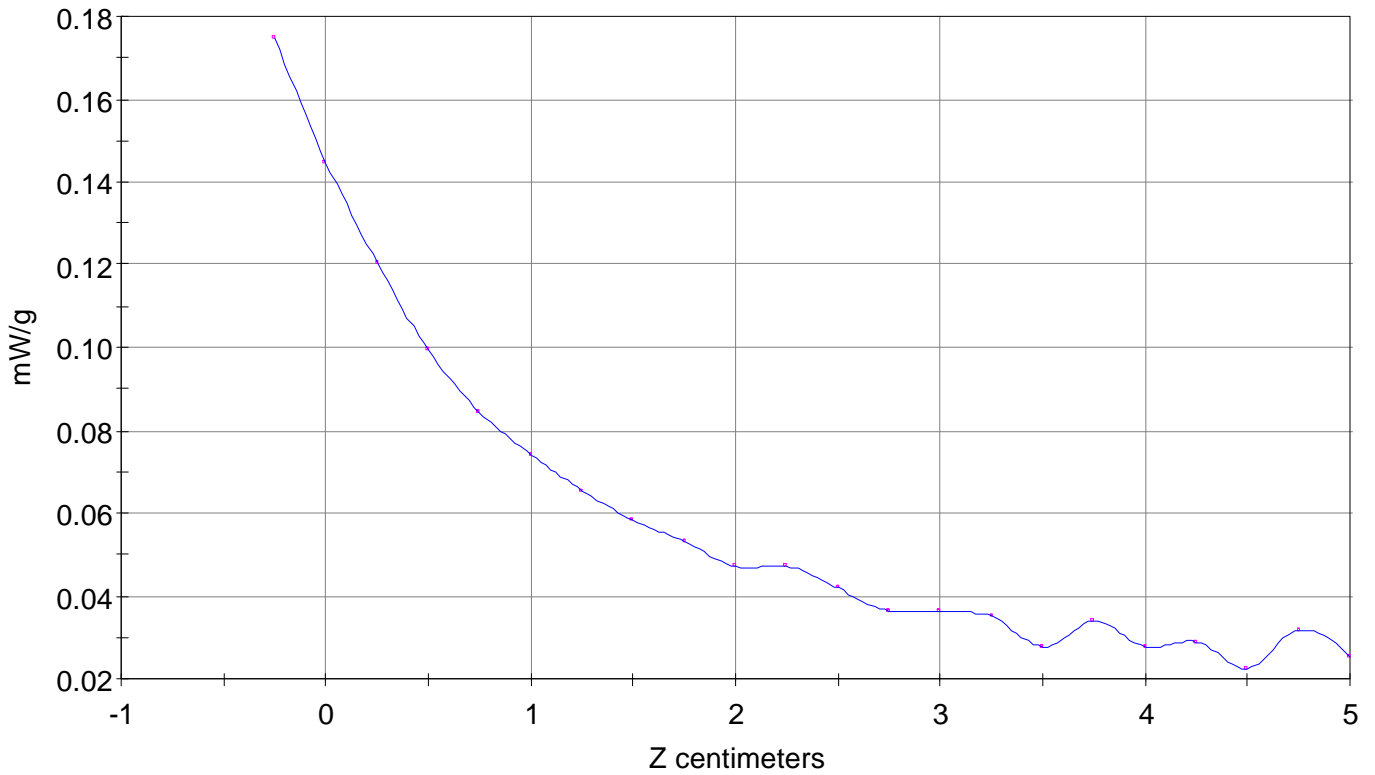
SAR Scan

File : 01080703_ZOOM

Start : 7-Aug-101 10:56:06 am End : 7-Aug-101 11:04:11 am

HYUNDAI/TX-25B/24;1851.25MHz;W;Helical/In;

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

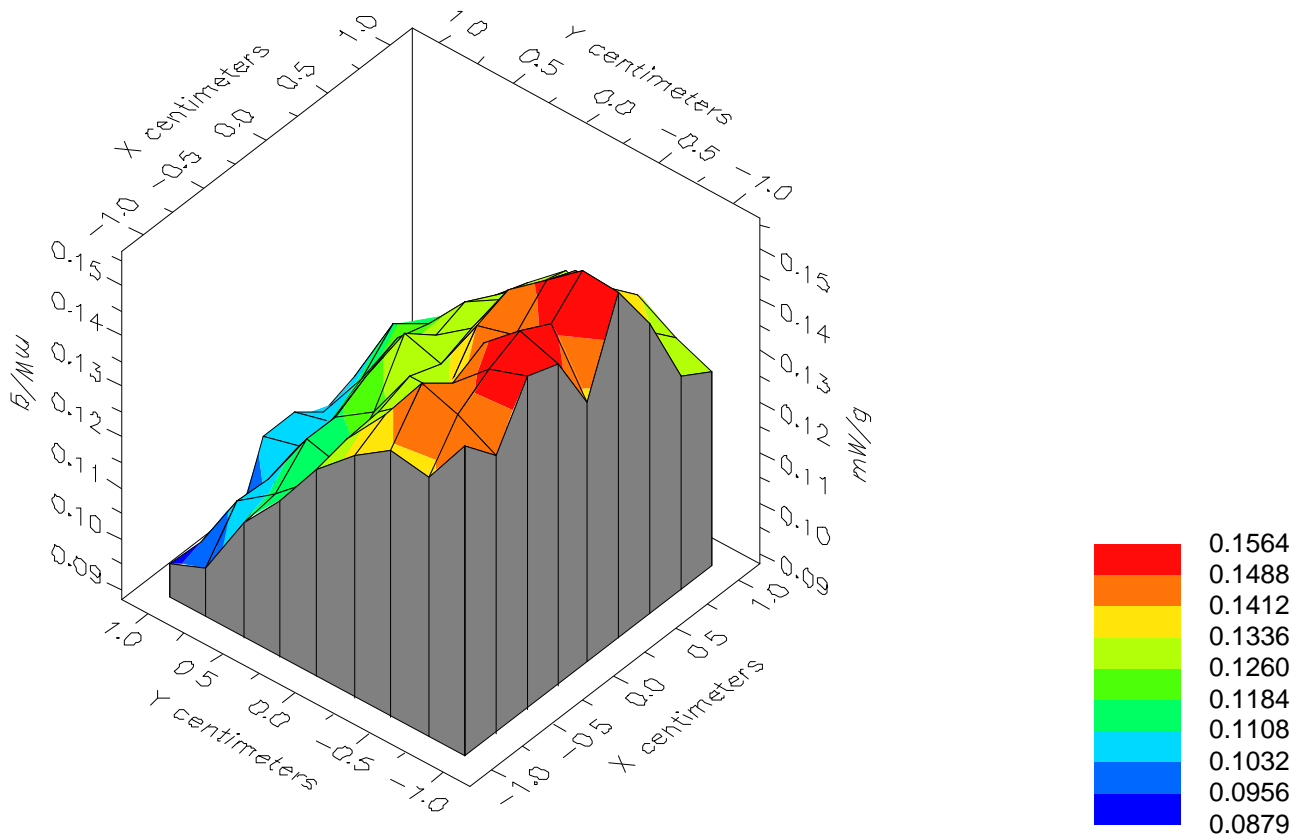


File : 01080703_ZOOM

Start : 7-Aug-101 10:56:06 am End : 7-Aug-101 11:04:11 am

HYUNDAI/TX-25B/24;1851.25MHz;W;Helical/In;

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

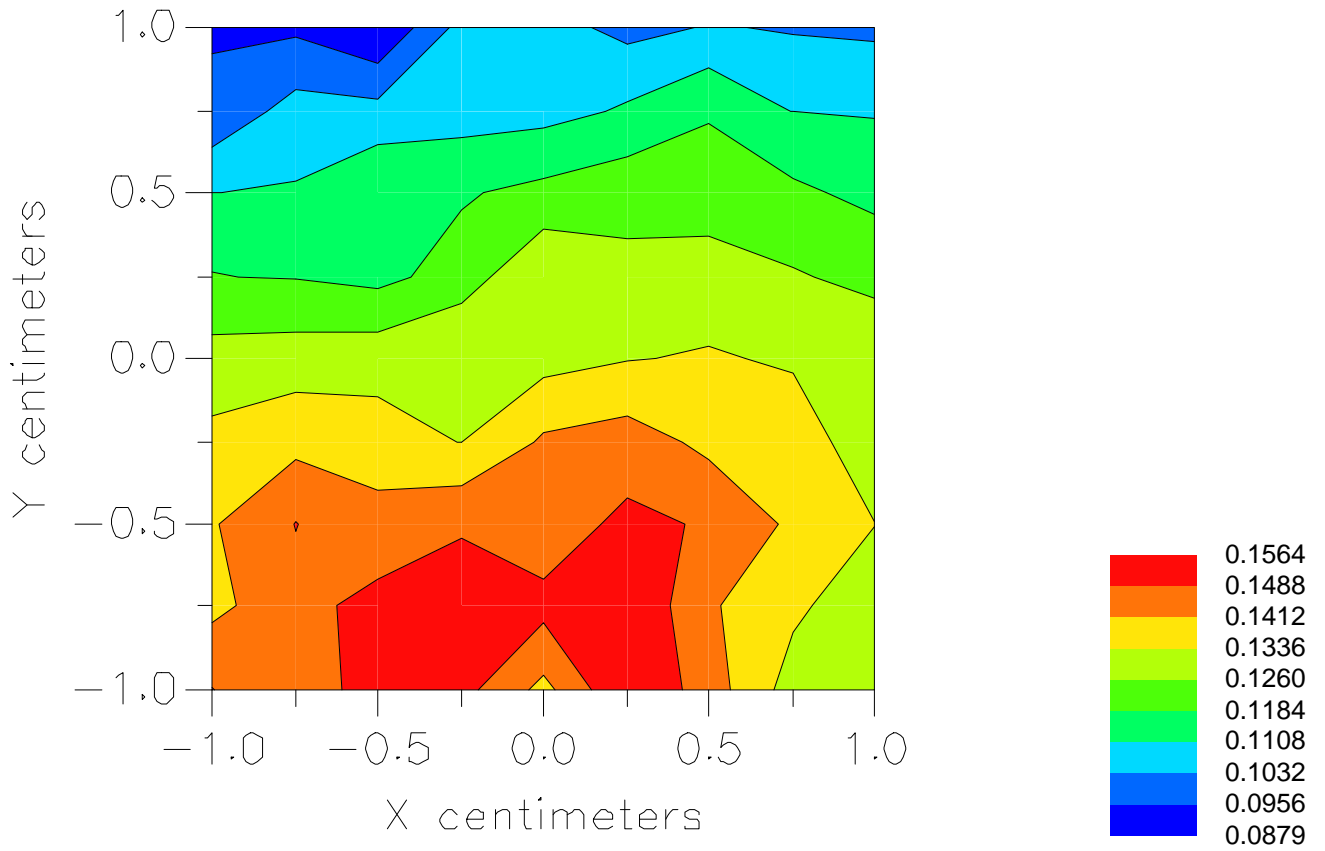


File : 01080703_ZOOM

Start : 7-Aug-101 10:56:06 am End : 7-Aug-101 11:04:11 am

HYUNDAI/TX-25B/24;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/01080701_ZOOM.VLT
Start : 7-Aug-101 10:31:57 am End : 7-Aug-101 10:43:49 am

Radio Type : HYUNDAI
Model Number : TX-25B
Serial Number : 24
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 TRI-MODE PHONE - PCS MODE
CH 0025 24.8 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 = -0.750, Z = 0.000 (cm) Value = 1.843

Measured Values (volts) =
1.773E-003 1.423E-003 1.085E-003 9.527E-004 8.130E-004 7.154E-004
5.945E-004 5.327E-004 4.914E-004 4.059E-004 3.379E-004 3.503E-004
3.461E-004 2.930E-004 3.127E-004 2.298E-004 2.320E-004 2.350E-004
2.011E-004 2.215E-004 2.005E-004

Calc. Voltage @ Surface (Vs) = 0.0023

Voltage @ 1.00 cm (Vt) = 0.0010

Ave. Voltage (Vs+Vt)/2 = 0.0016

Ave. SAR over 1 g (mW/g) = 0.2054

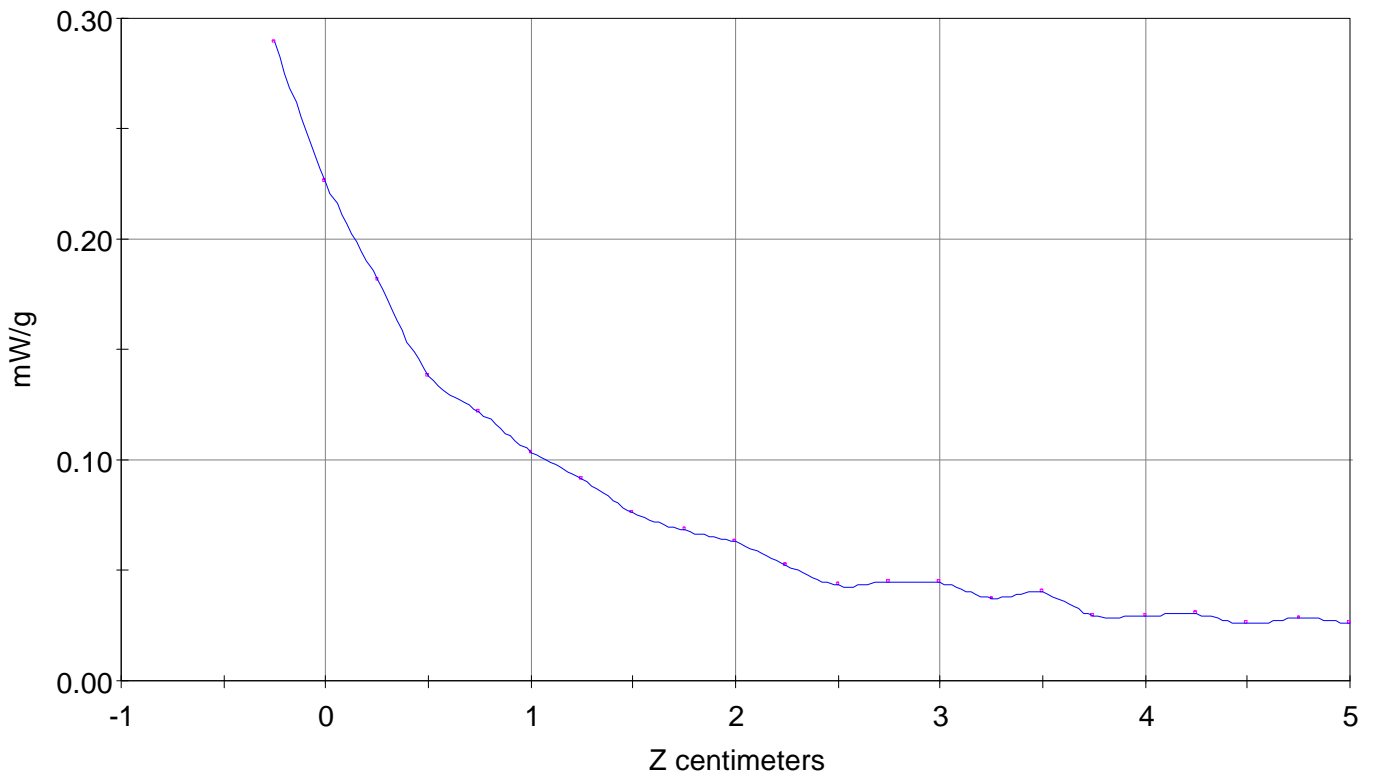
SAR Scan

File : 01080701_ZOOM

Start : 7-Aug-101 10:31:57 am End : 7-Aug-101 10:43:49 am

HYUNDAI/TX-25B/24;1851.25MHz;W;Helical/Out;

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

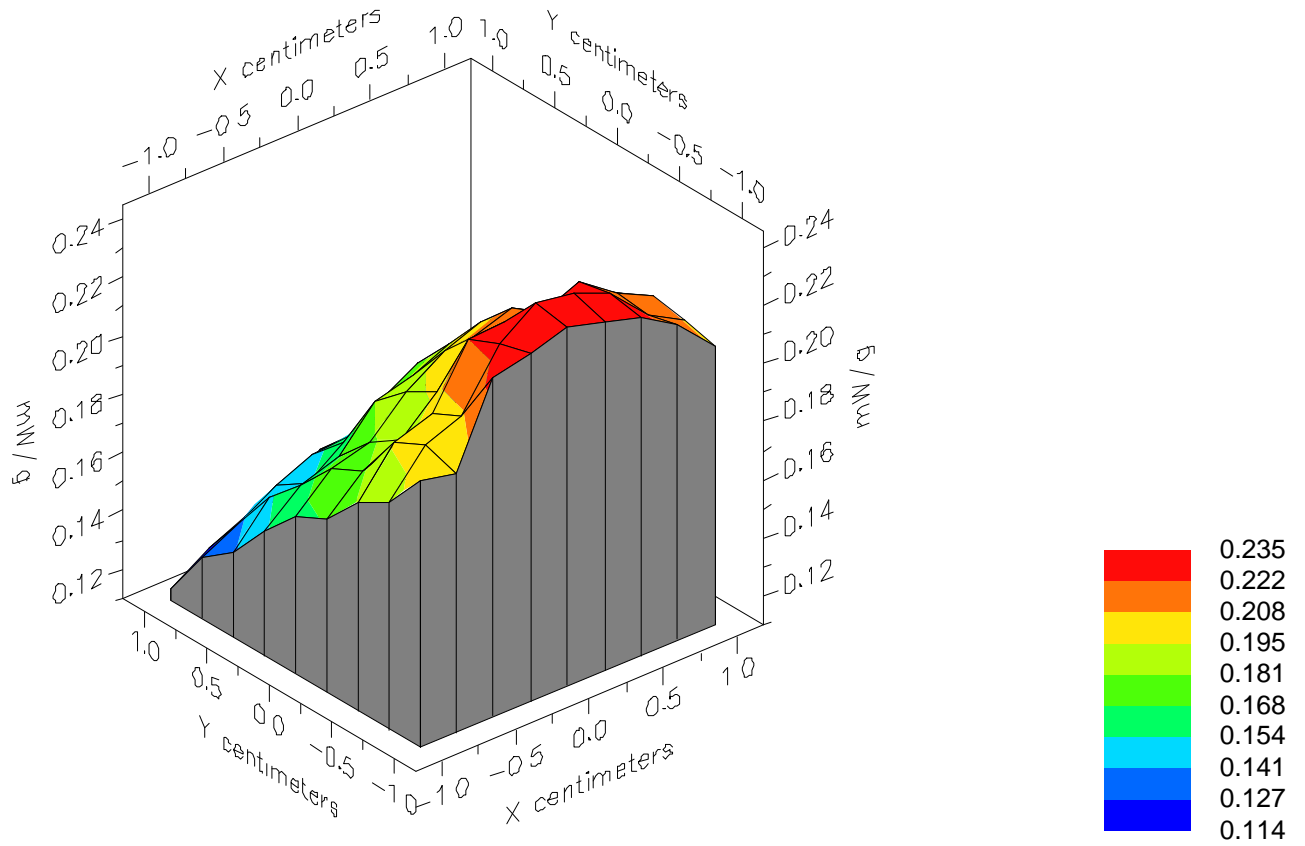


File : 01080701_ZOOM

Start : 7-Aug-101 10:31:57 am End : 7-Aug-101 10:43:49 am

HYUNDAI/TX-25B/24;1851.25MHz;W;Helical/Out;

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

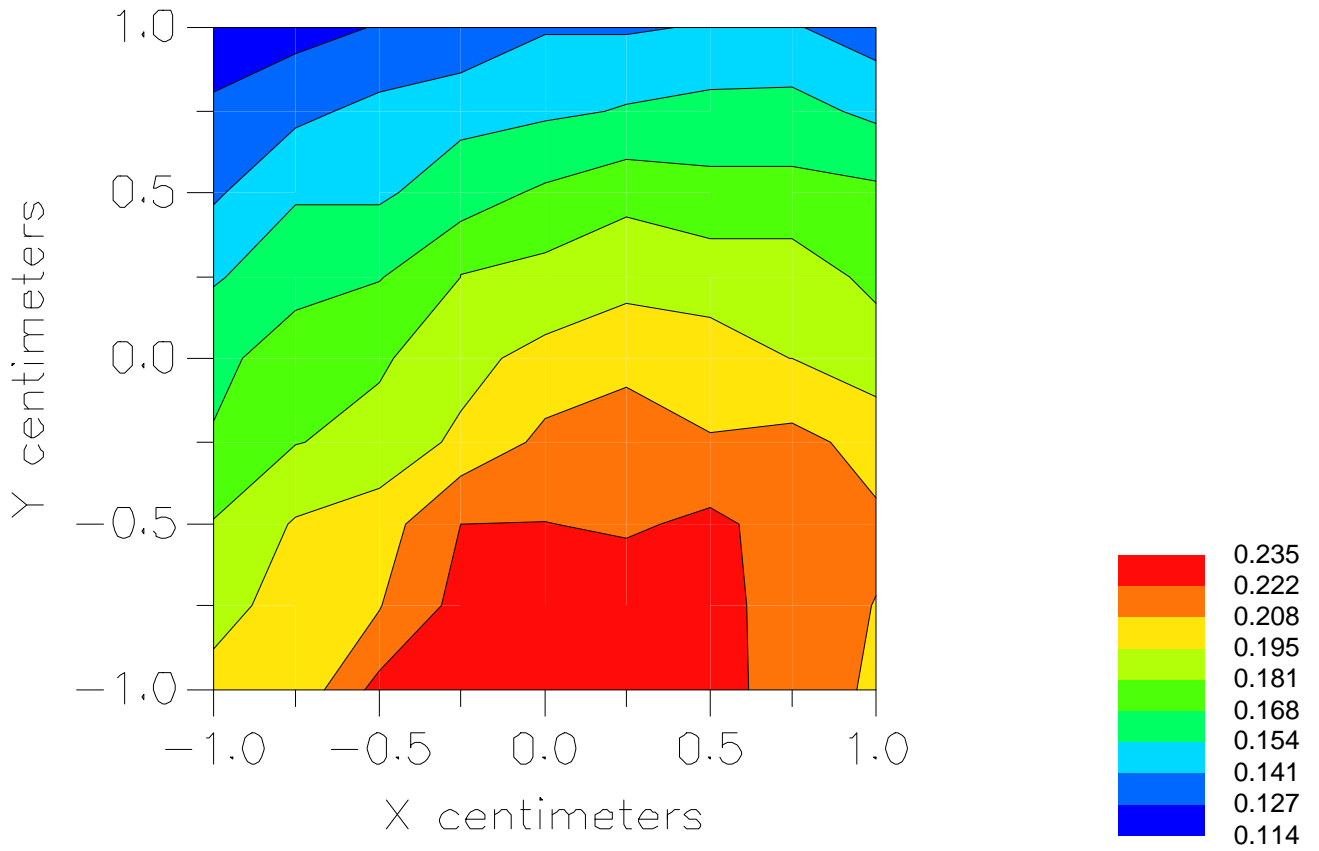


File : 01080701_ZOOM

Start : 7-Aug-101 10:31:57 am End : 7-Aug-101 10:43:49 am

HYUNDAI/TX-25B/24;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/01080709_ZOOM.VLT
Start : 7-Aug-101 12:11:11 pm End : 7-Aug-101 12:19:19 pm

Radio Type : HYUNDAI
Model Number : TX-25B
Serial Number : 24
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 TRI-MODE PHONE
CH 0600 24.8 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 = -0.250, Y = -1.000, Z = 0.000 (cm) Value = 1.0719

Measured Values (volts) =
1.023E-003 8.460E-004 6.572E-004 5.662E-004 5.062E-004 4.613E-004
4.437E-004 3.780E-004 3.600E-004 3.226E-004 2.832E-004 2.563E-004
2.355E-004 2.271E-004 2.120E-004 1.751E-004 2.117E-004 1.792E-004
1.638E-004 1.720E-004 2.065E-004

Calc. Voltage @ Surface (Vs) = 0.0013

Voltage @ 1.00 cm (Vt) = 0.0006

Ave. Voltage (Vs+Vt)/2 = 0.0009

Ave. SAR over 1 g (mW/g) = 0.1176

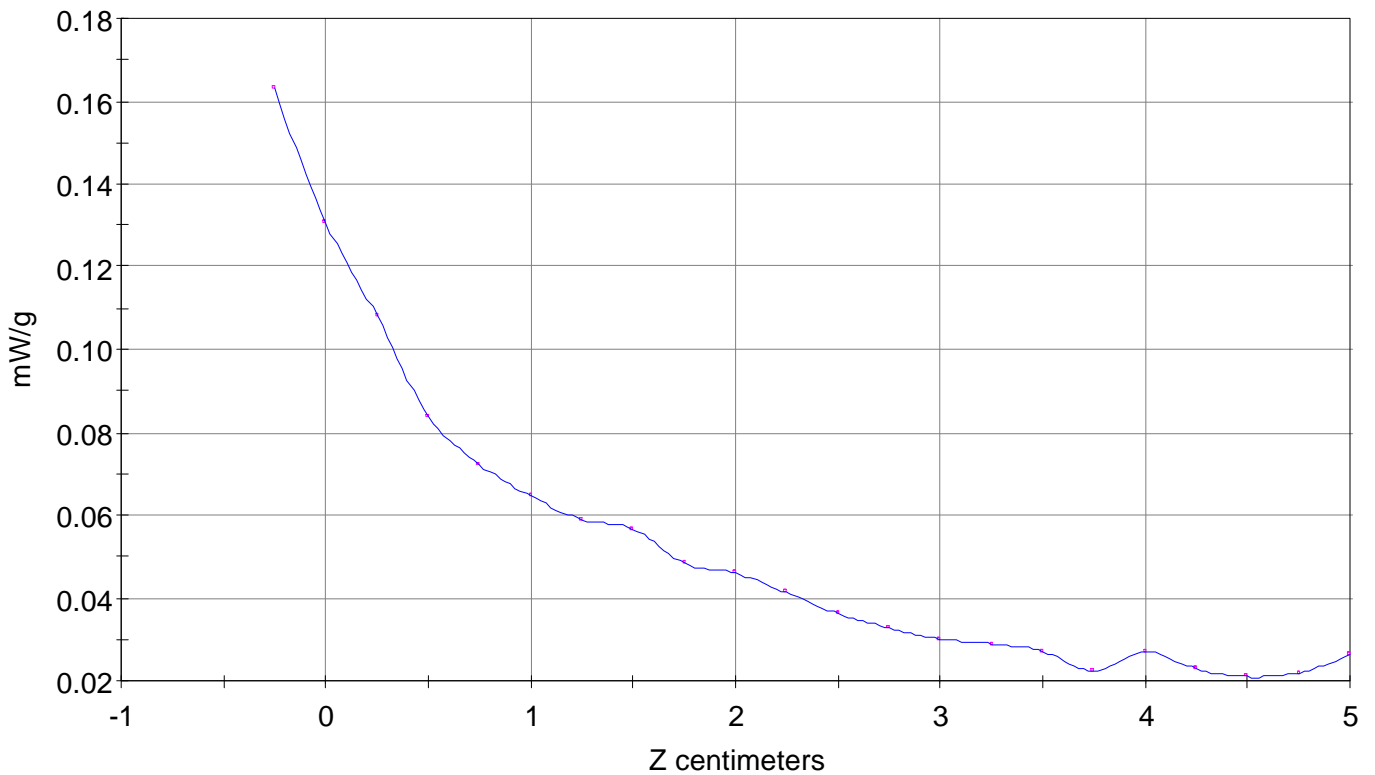
SAR Scan

File : 01080709_ZOOM

Start : 7-Aug-101 12:11:11 pm End : 7-Aug-101 12:19:19 pm

HYUNDAI/TX-25B/24;1880.00MHz;W;Helical/In;

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

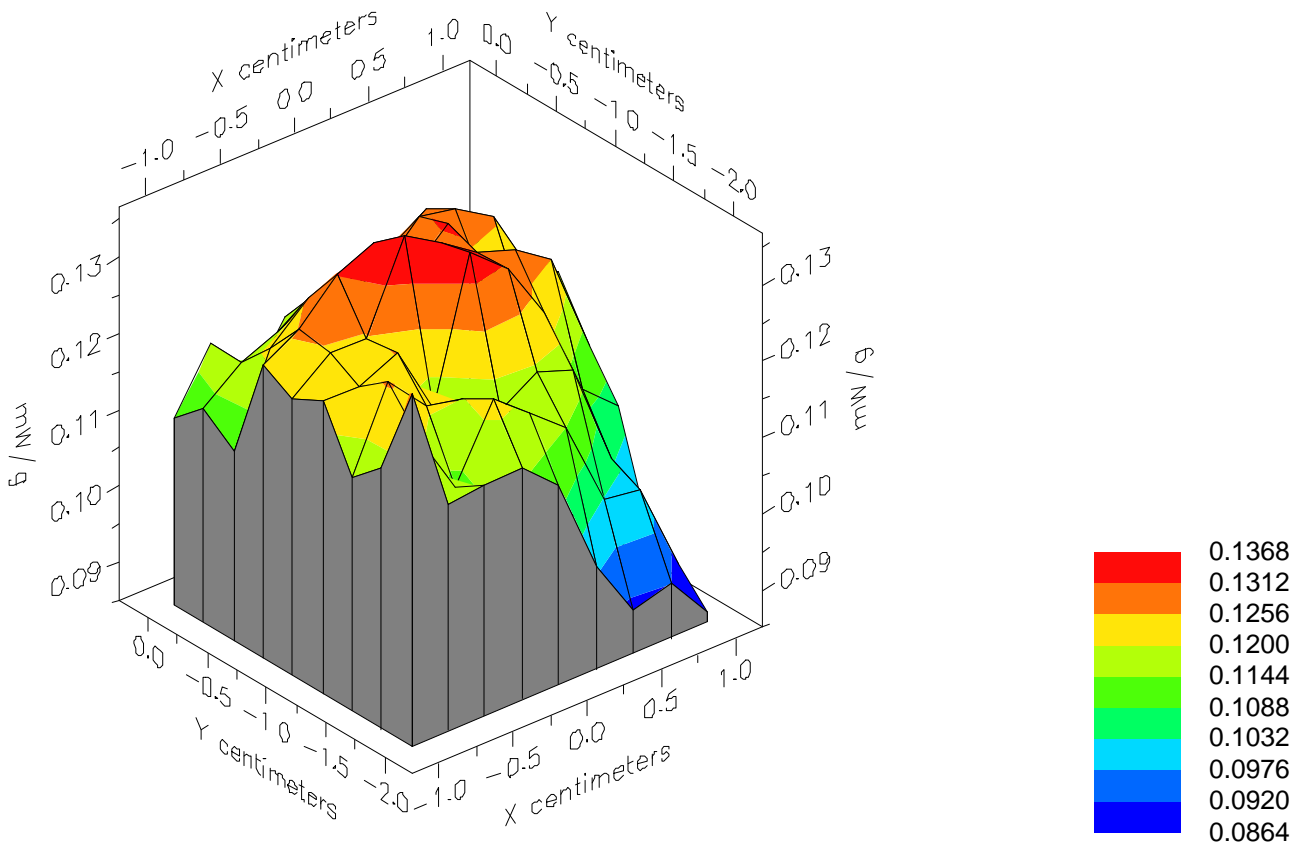


File : 01080709_ZOOM

Start : 7-Aug-101 12:11:11 pm End : 7-Aug-101 12:19:19 pm

HYUNDAI/TX-25B/24;1880.00MHz;W;Helical/In;

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

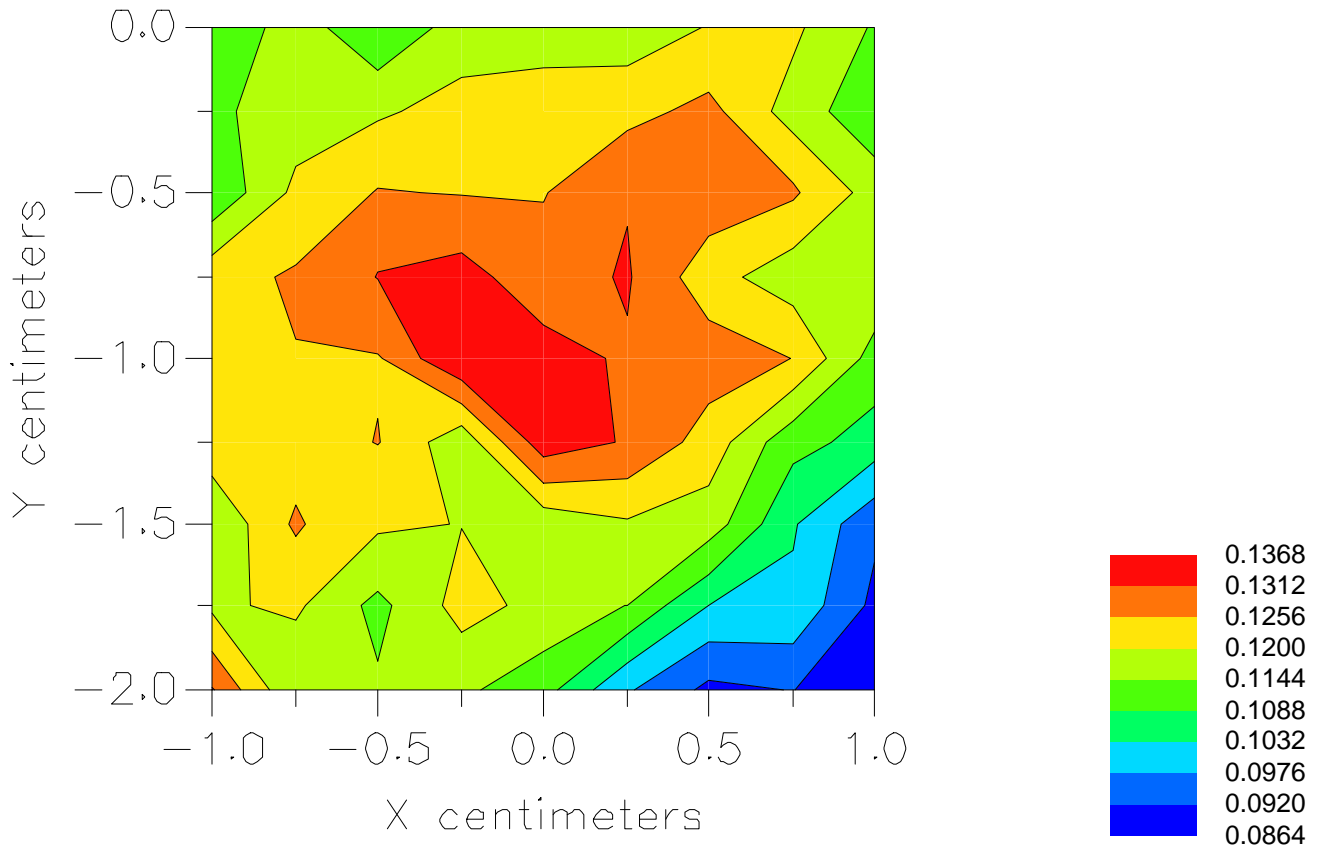


File : 01080709_ZOOM

Start : 7-Aug-101 12:11:11 pm End : 7-Aug-101 12:19:19 pm

HYUNDAI/TX-25B/24;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/01080707_ZOOM.VLT
Start : 7-Aug-101 11:51:12 am End : 7-Aug-101 11:59:22 am

Radio Type : HYUNDAI
Model Number : TX-25B
Serial Number : 24
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 TRI-MODE PHONE - PCS MODE
CH 0600 24.8 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 = 0.250, Y = -1.000, Z = 0.000 (cm) Value = 1.493

Measured Values (volts) =
1.449E-003 1.189E-003 9.035E-004 7.666E-004 7.002E-004 5.892E-004
4.838E-004 4.454E-004 3.857E-004 3.399E-004 3.721E-004 2.985E-004
2.878E-004 2.476E-004 2.690E-004 2.546E-004 2.124E-004 2.215E-004
2.046E-004 2.006E-004 1.806E-004

Calc. Voltage @ Surface (Vs) = 0.0018

Voltage @ 1.00 cm (Vt) = 0.0008

Ave. Voltage (Vs+Vt)/2 = 0.0013

Ave. SAR over 1 g (mW/g) = 0.1661

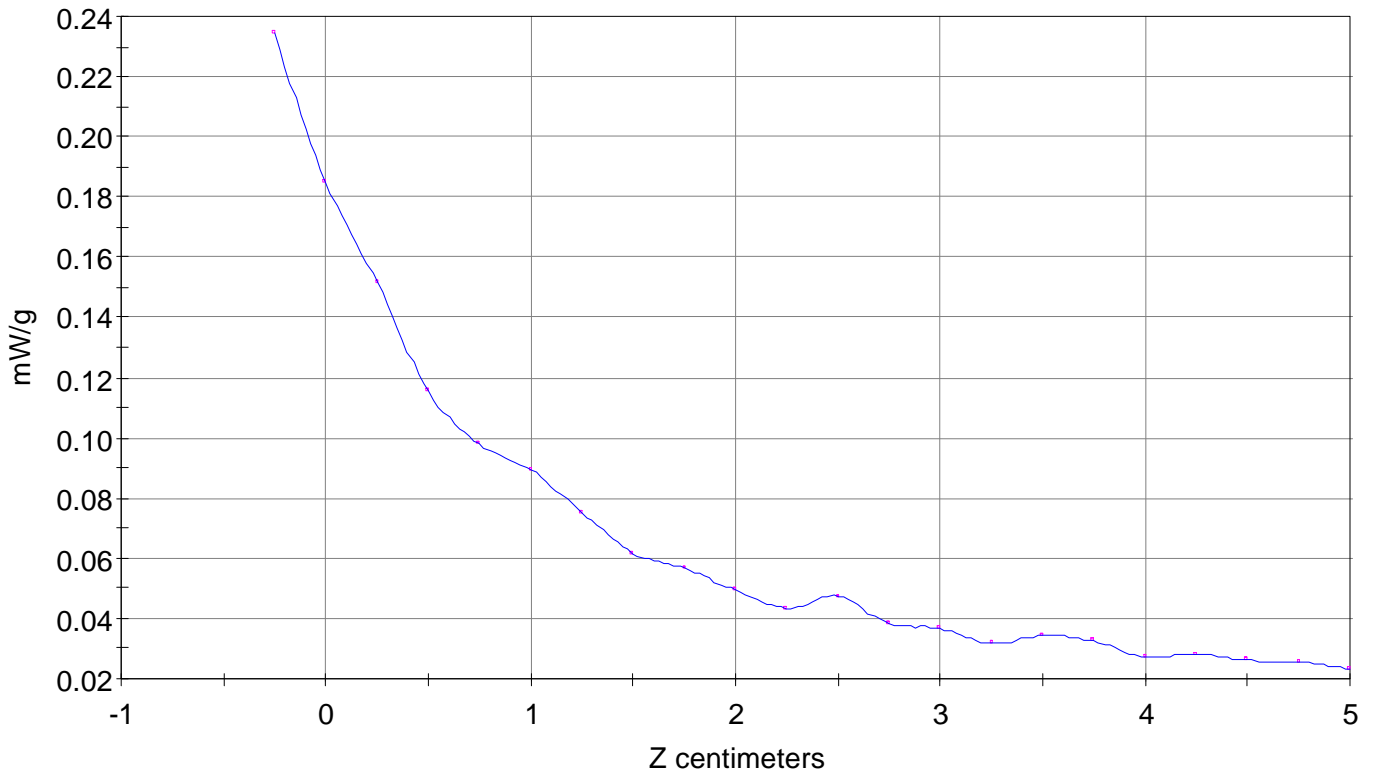
SAR Scan

File : 01080707_ZOOM

Start : 7-Aug-101 11:51:12 am End : 7-Aug-101 11:59:22 am

HYUNDAI/TX-25B/24;1880.00MHz;W;Helical/Out;

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

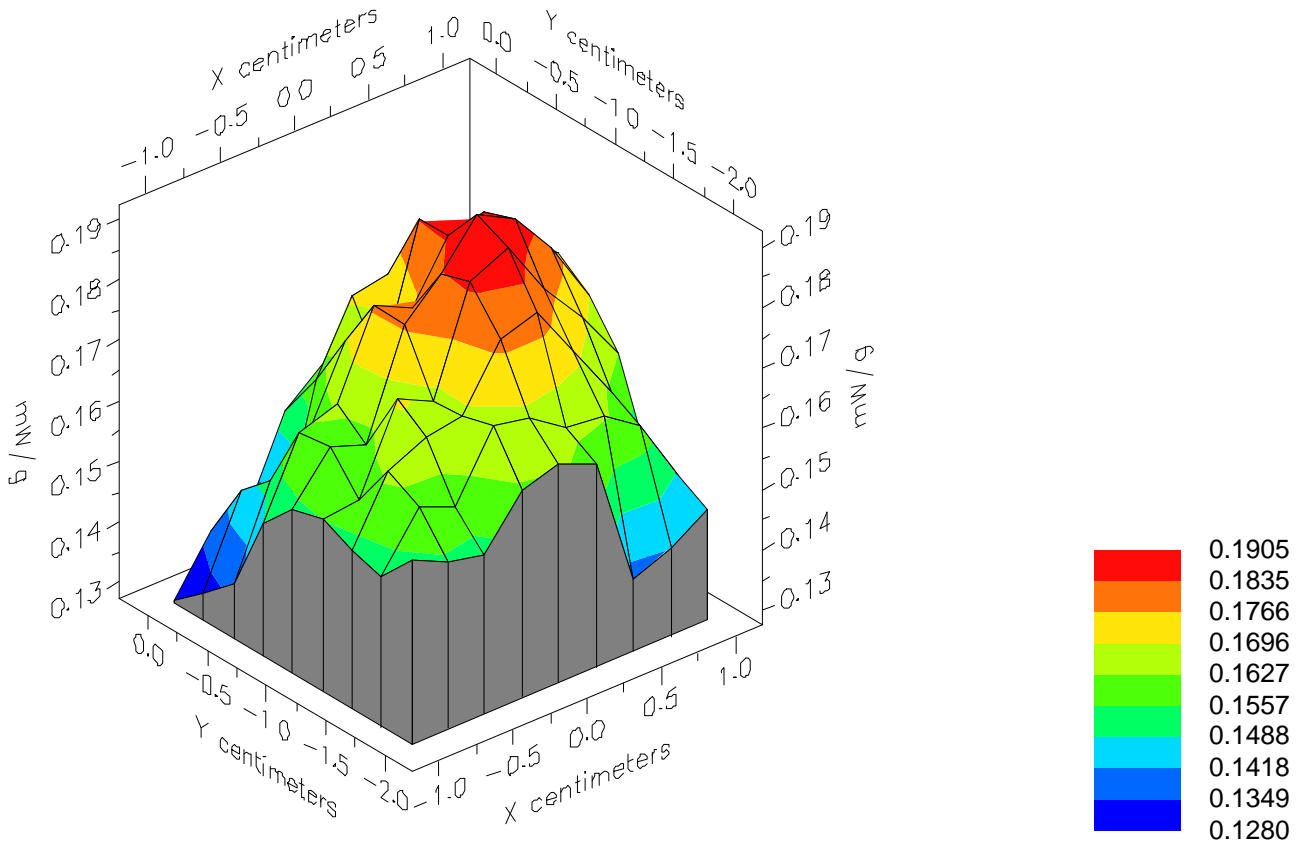


File : 01080707_ZOOM

Start : 7-Aug-101 11:51:12 am End : 7-Aug-101 11:59:22 am

HYUNDAI/TX-25B/24;1880.00MHz;W;Helical/Out;

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

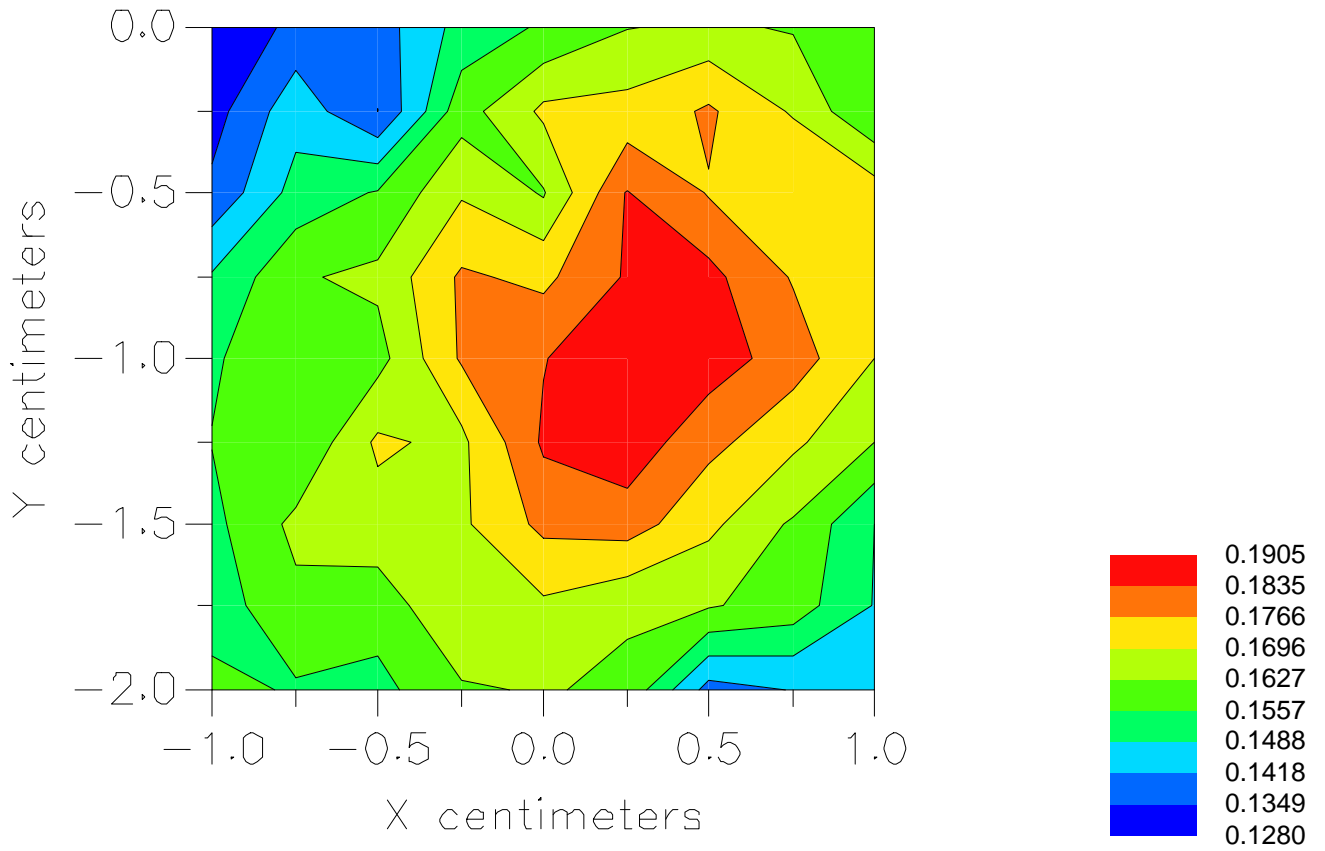


File : 01080707_ZOOM

Start : 7-Aug-101 11:51:12 am End : 7-Aug-101 11:59:22 am

HYUNDAI/TX-25B/24;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/01080706_ZOOM.VLT
Start : 7-Aug-101 11:36:33 am End : 7-Aug-101 11:48:45 am

Radio Type : HYUNDAI
Model Number : TX-25B
Serial Number : 24
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 TRI-MODE PHONE - PCS MODE
CH 1175 24.8 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 = -1.000, Z = 0.000 (cm) Value = 1.344

Measured Values (volts) =
1.295E-003 1.041E-003 8.249E-004 6.422E-004 6.112E-004 5.602E-004
4.868E-004 3.762E-004 3.505E-004 3.551E-004 3.274E-004 2.896E-004
3.018E-004 2.394E-004 2.857E-004 2.160E-004 2.574E-004 2.276E-004
1.934E-004 2.176E-004 2.099E-004

Calc. Voltage @ Surface (Vs) = 0.0016

Voltage @ 1.00 cm (Vt) = 0.0006

Ave. Voltage (Vs+Vt)/2 = 0.0011

Ave. SAR over 1 g (mW/g) = 0.1444

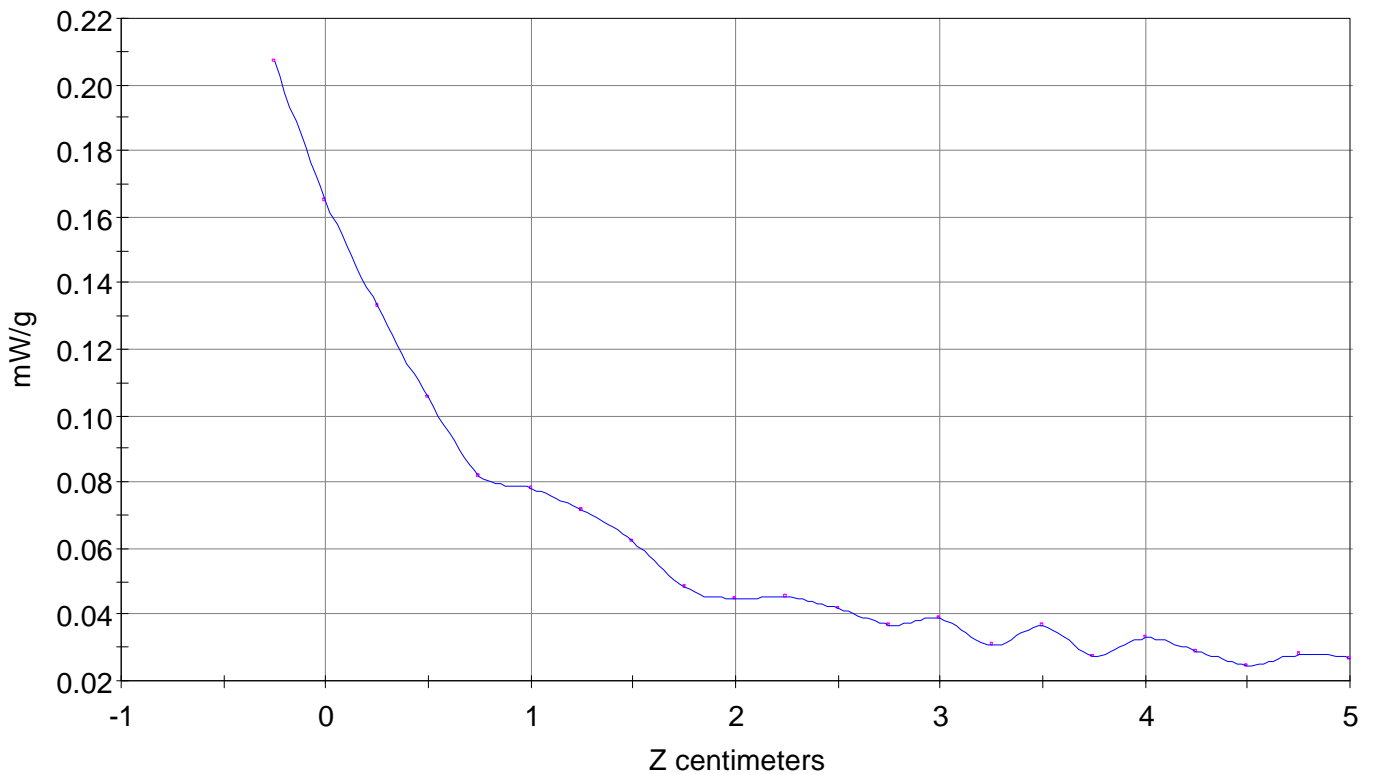
SAR Scan

File : 01080706_ZOOM

Start : 7-Aug-101 11:36:33 am End : 7-Aug-101 11:48:45 am

HYUNDAI/TX-25B/24;1908.75MHz;W;Helical/In;

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

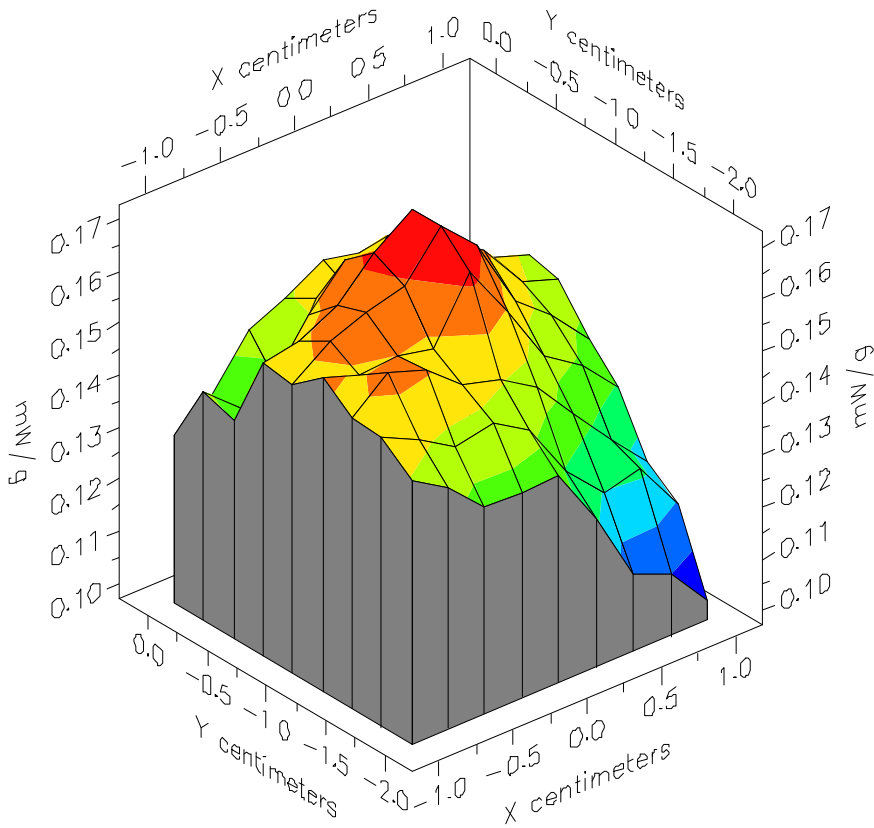


File : 01080706_ZOOM

Start : 7-Aug-101 11:36:33 am End : 7-Aug-101 11:48:45 am

HYUNDAI/TX-25B/24;1908.75MHz;W;Helical/In;

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

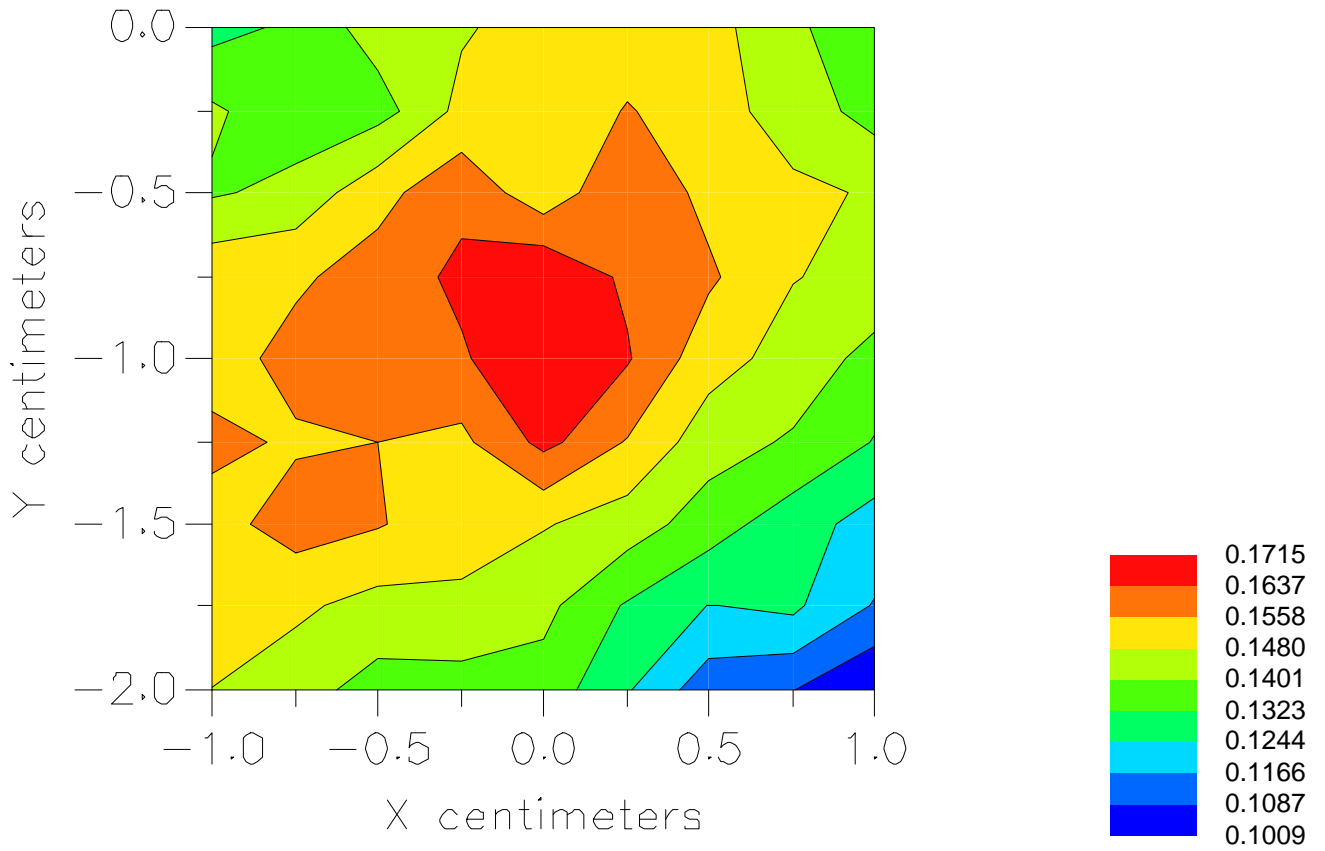


File : 01080706_ZOOM

Start : 7-Aug-101 11:36:33 am End : 7-Aug-101 11:48:45 am

HYUNDAI/TX-25B/24;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/01080705_ZOOM.VLT
Start : 7-Aug-101 11:27:23 am End : 7-Aug-101 11:35:42 am

Radio Type : HYUNDAI
Model Number : TX-25B
Serial Number : 24
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 TRI-MODE PHONE - PCS MODE
CH 1175 24.8 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 = 0.250, Y = -1.000, Z = 0.000 (cm) Value = 1.995

Measured Values (volts) =
1.933E-003 1.520E-003 1.142E-003 9.612E-004 8.408E-004 6.996E-004
6.271E-004 4.903E-004 4.358E-004 3.957E-004 3.836E-004 3.223E-004
3.212E-004 2.730E-004 2.867E-004 2.384E-004 1.834E-004 2.214E-004
2.138E-004 2.285E-004 1.790E-004

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) = 0.2218

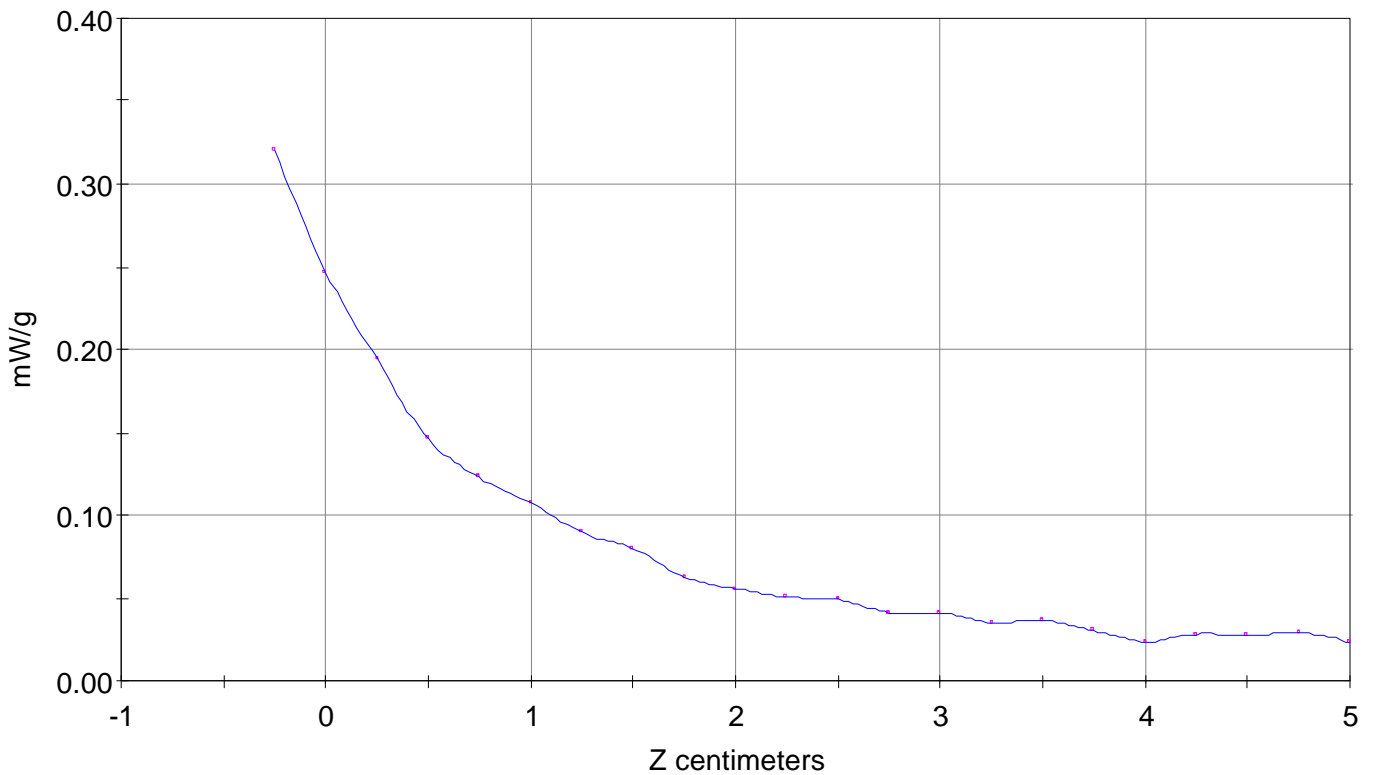
SAR Scan

File : 01080705_ZOOM

Start : 7-Aug-101 11:27:23 am End : 7-Aug-101 11:35:42 am

HYUNDAI/TX-25B/24;1908.75MHz;W;Helical/Out;

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

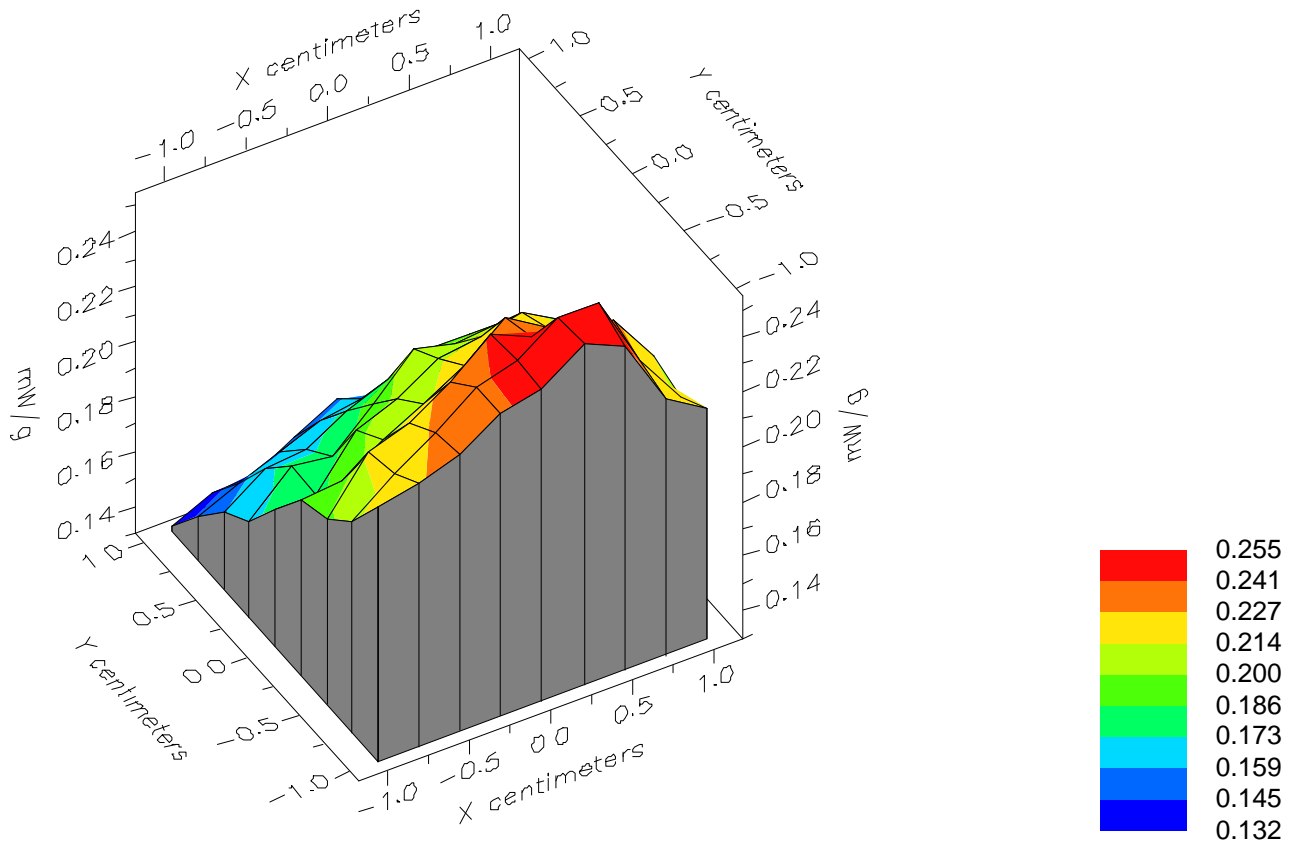


File : 01080705_ZOOM

Start : 7-Aug-101 11:27:23 am End : 7-Aug-101 11:35:42 am

HYUNDAI/TX-25B/24;1908.75MHz;W;Helical/Out;

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



File : 01080705_ZOOM

Start : 7-Aug-101 11:27:23 am End : 7-Aug-101 11:35:42 am

HYUNDAI/TX-25B/24;1908.75MHz;W;Helical/Out;

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

