

ATTACHMENT O – SAR TEST DATA

File : c:/idx3/SYSTEM/SARMEAS3/data/Normal/00120407_ZOOM.VLT
Start : 4-Dec-100 01:05:18 pm End : 4-Dec-100 01:12:36 pm

Radio Type : HYUNDAI
Model Number : HWP-120
Serial Number : 01
Frequency : 824.70 MHz
Peak Trans. Pwr : 0.320 W
Start Trans. Pwr: 0.320 W
Antenna Type : Helical
Antenna Posn. : Internal
Phantom Type : Body
Phantom Posn. : Abdomen
Scan Type : ZOOM/SAR
Probe Name : PCTEST
Field Type : E Field
Orientation : 0 Degrees

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

Comment :
HYUNDAI SINGLE MODE WLL BODY SAR
CHAN 1013 Conducted 25.0
CDMA MODE WLL 2.5 cm spacing

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 = -3.000, Y = 0.750, Z = 0.000 (cm) Value = 20.269

Measured Values (volts) =
1.931E-002 1.638E-002 1.414E-002 1.192E-002 1.001E-002 8.286E-003
6.987E-003 6.435E-003 6.423E-003 6.519E-003 6.560E-003 6.528E-003
5.744E-003 4.740E-003 3.667E-003 2.536E-003 1.770E-003 1.762E-003
2.156E-003 2.895E-003 3.550E-003

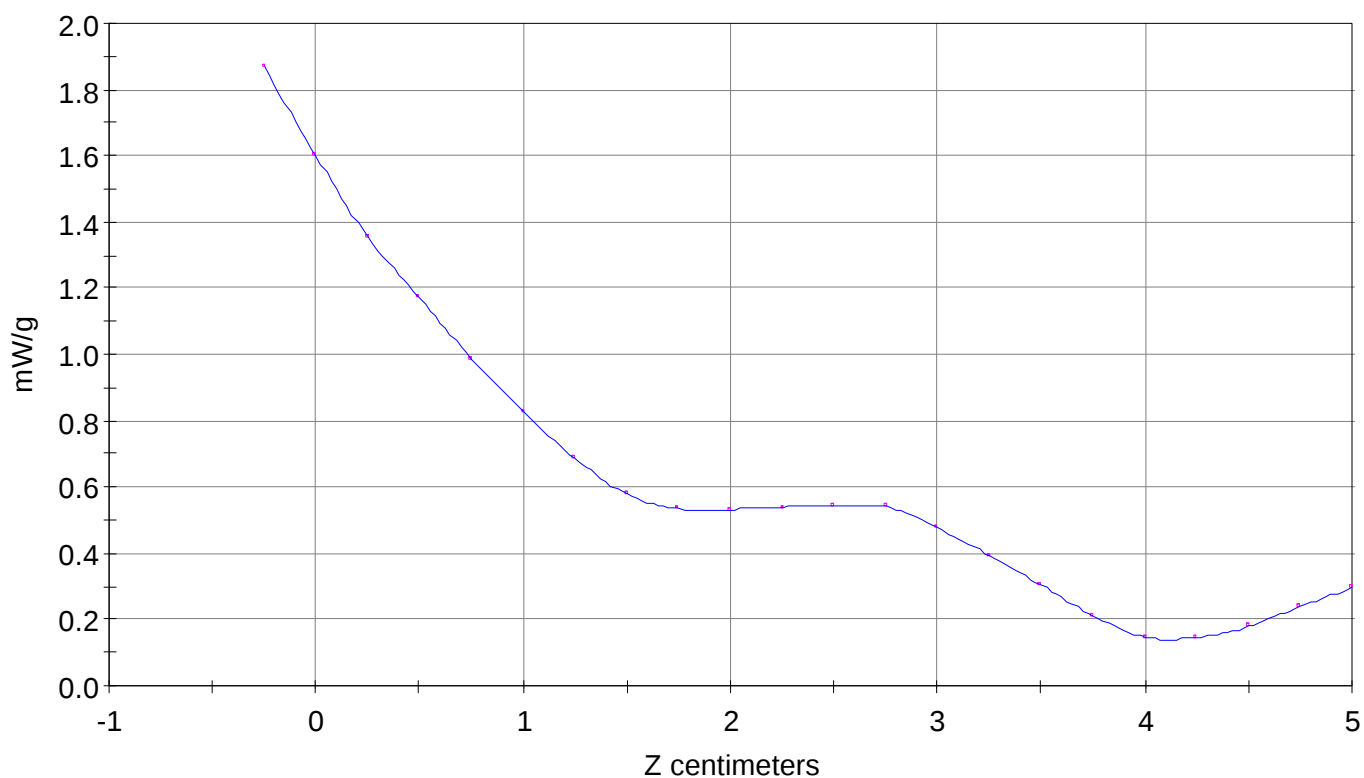
Calc. Voltage @ Surface (Vs) = 0.0226

Voltage @ 1.00 cm (Vt) = 0.0119

Ave. Voltage (Vs+Vt)/2 = 0.0172

Ave. SAR over 1 g (mW/g) = 1.4276

SAR Scan
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Start : 4-Dec-100 01:05:18 pm End : 4-Dec-100 01:12:36 pm
HYUNDAI/HWP-120/01;824.70MHz;W;Helical/Internal;
Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 DegreesMuscle/51.700/1.100

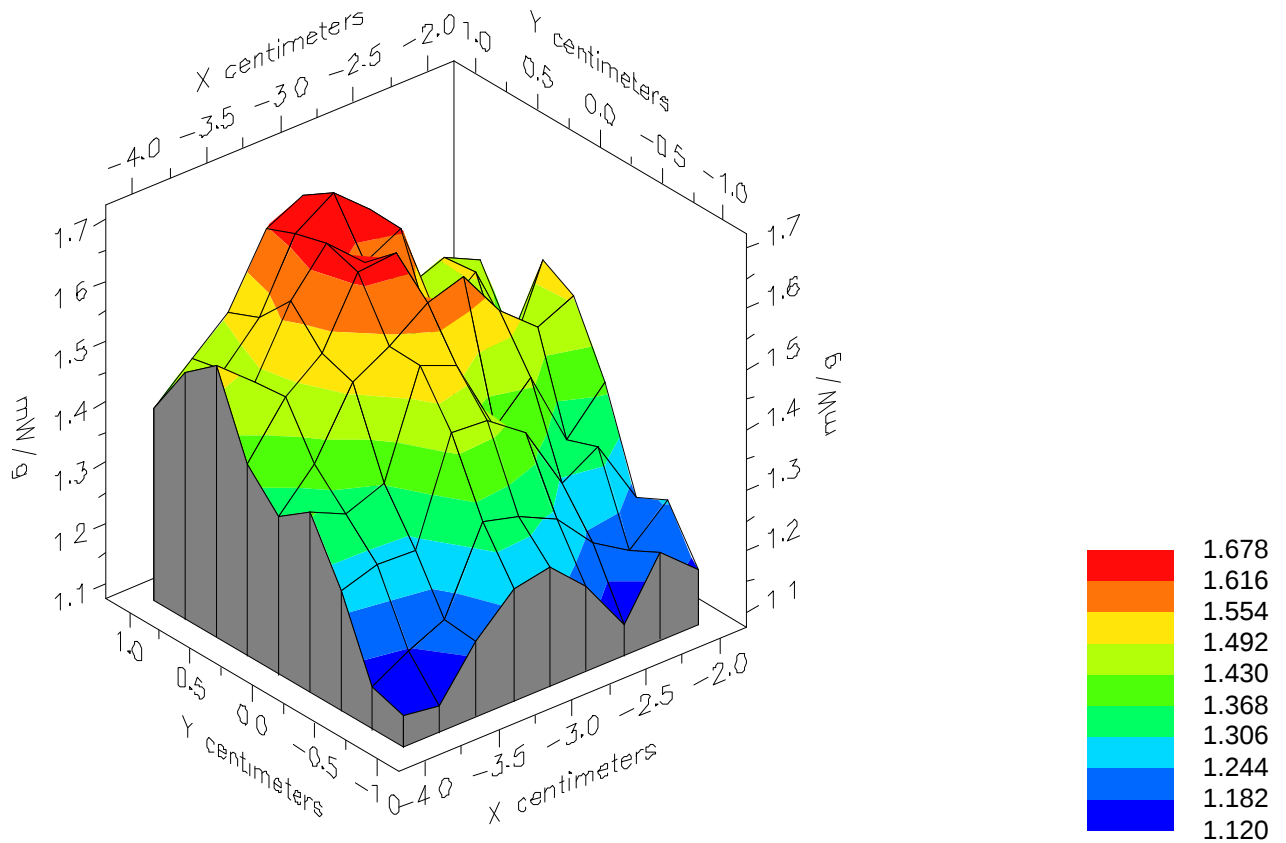


File : 00120407_ZOOM

Start : 4-Dec-100 01:05:18 pm End : 4-Dec-100 01:12:36 pm

HYUNDAI/HWP-120/01;824.70MHz;W;Helical/Internal;

Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 DegreesMuscle/51.700/1.100

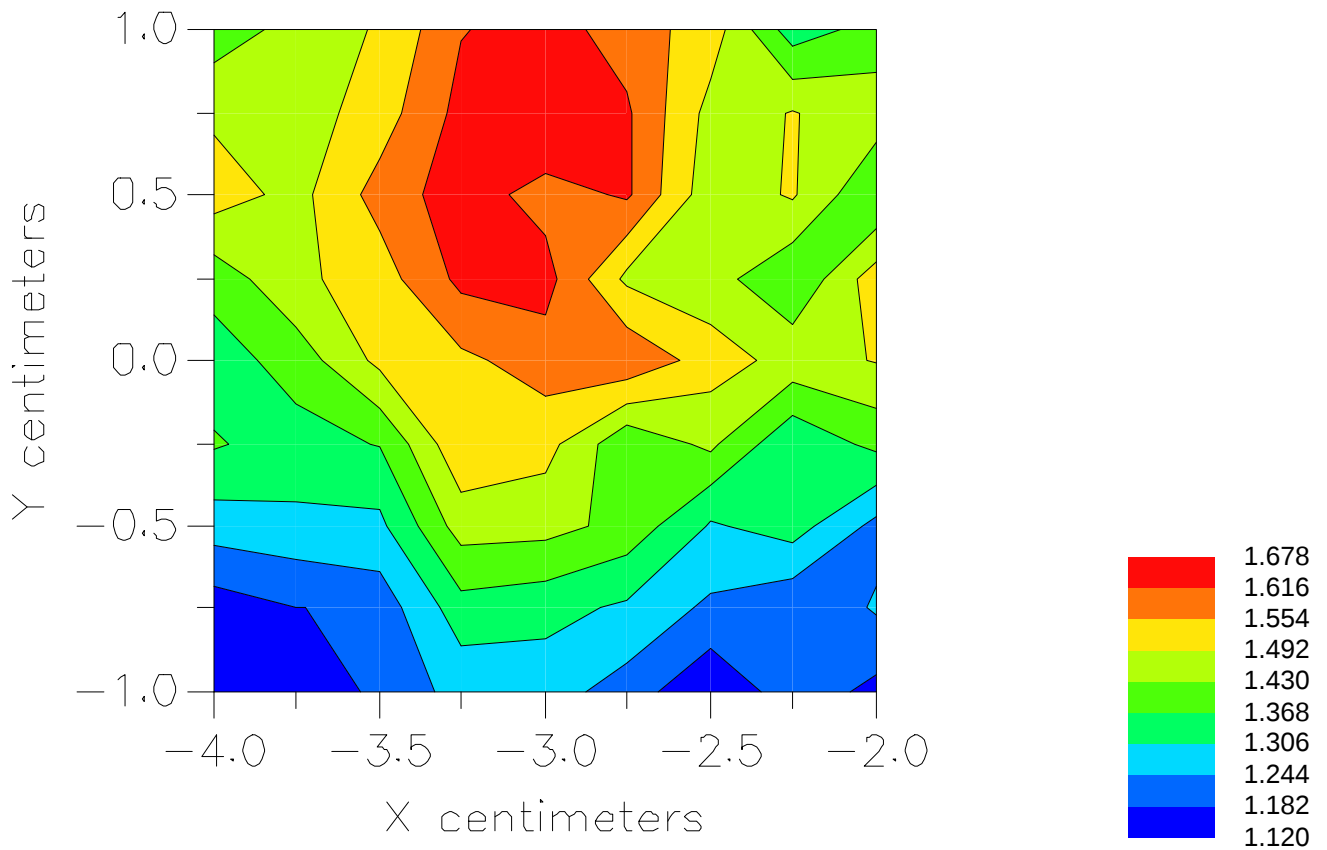


File : 00120407_ZOOM

Start : 4-Dec-100 01:05:18 pm End : 4-Dec-100 01:12:36 pm

HYUNDAI/HWP-120/01;824.70MHz;W;Helical/Internal;

Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 DegreesMuscle/51.700/1.100



File : c:/idx3/SYSTEM/SARMEAS3/data/Normal/00120408_ZOOM.VLT
Start : 4-Dec-100 01:28:17 pm End : 4-Dec-100 01:35:36 pm

Radio Type : HYUNDAI
Model Number : HWP-120
Serial Number : 01
Frequency : 835.89 MHz
Peak Trans. Pwr : 0.320 W
Start Trans. Pwr: 0.320 W
Antenna Type : Helical
Antenna Posn. : Internal
Phantom Type : Body
Phantom Posn. : Abdomen
Scan Type : ZOOM/SAR
Probe Name : PCTEST
Field Type : E Field
Orientation : 0 Degrees

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

Comment :
HYUNDAI SINGLE MODE WLL BODY SAR
CHAN 0363 Conducted 25.0
CDMA MODE WLL 2.5 cm spacing

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 = -3.000, Y = 0.750, Z = 0.000 (cm) Value = 20.680

Measured Values (volts) =
1.965E-002 1.688E-002 1.467E-002 1.274E-002 1.072E-002 9.061E-003
7.472E-003 6.638E-003 6.409E-003 6.685E-003 6.655E-003 6.788E-003
6.185E-003 5.274E-003 3.987E-003 2.822E-003 2.077E-003 1.832E-003
2.204E-003 2.832E-003 3.597E-003

Calc. Voltage @ Surface (Vs) = 0.0227

Voltage @ 1.00 cm (Vt) = 0.0127

Ave. Voltage (Vs+Vt)/2 = 0.0177

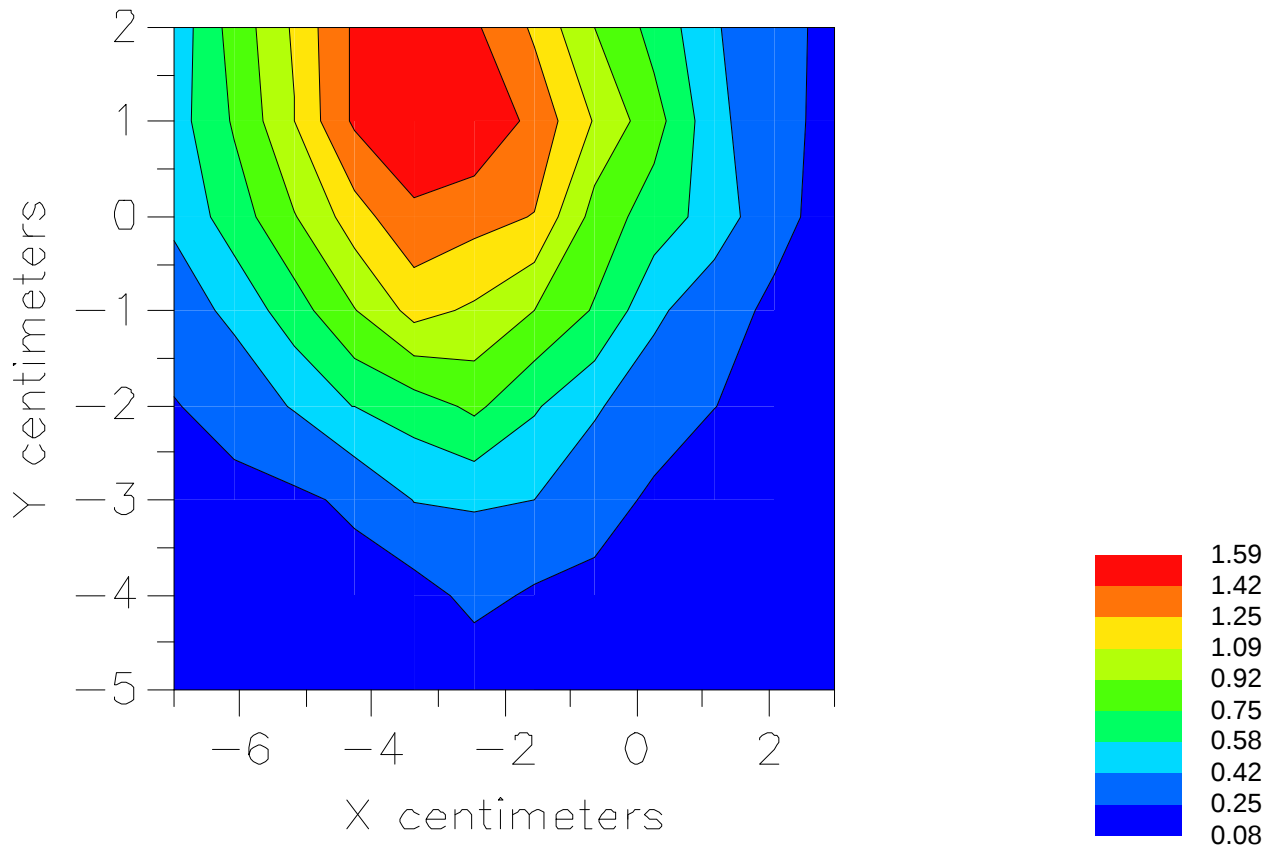
Ave. SAR over 1 g (mW/g) = 1.4686

File : 00120408_AREA

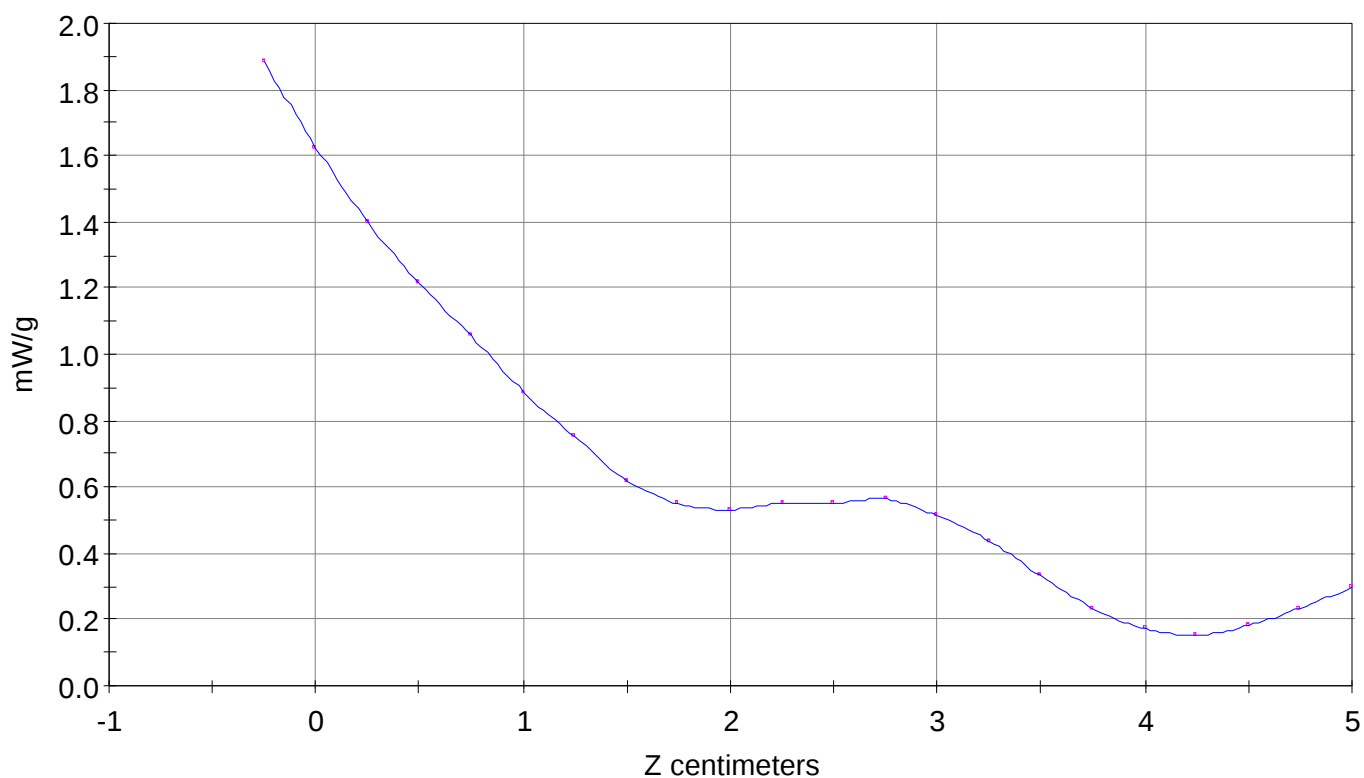
Start : 4-Dec-100 01:19:53 pm End : 4-Dec-100 01:28:17 pm

HYUNDAI/HWP-120/01;835.89MHz;W;Helical/Internal;

Body/Abdomen;AREA;PCTEST/E Field/0 DegreesMuscle/51.700/1.100



SAR Scan
File : 00120408_ZOOM
Start : 4-Dec-100 01:28:17 pm End : 4-Dec-100 01:35:36 pm
HYUNDAI/HWP-120/01;835.89MHz;W;Helical/Internal;
Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 DegreesMuscle/51.700/1.100

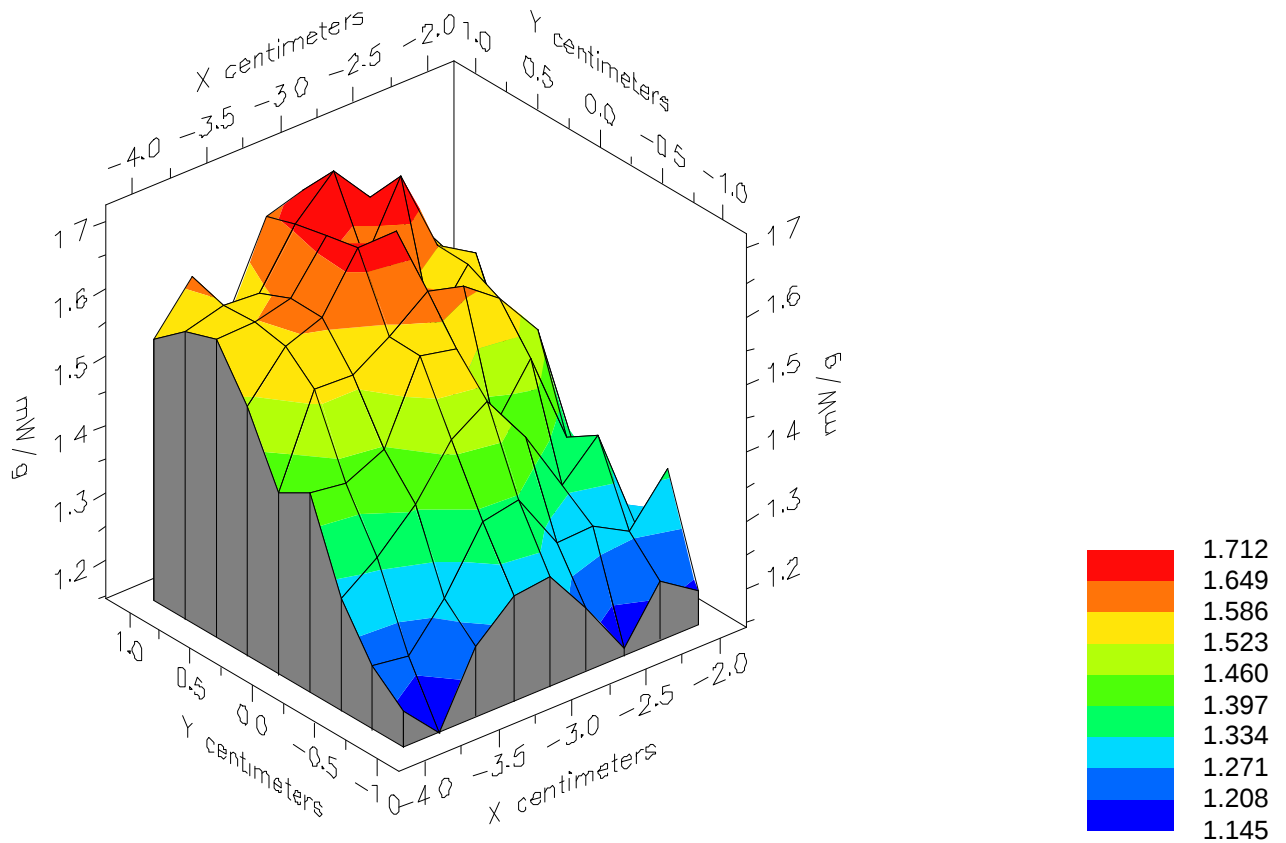


File : 00120408_ZOOM

Start : 4-Dec-100 01:28:17 pm End : 4-Dec-100 01:35:36 pm

HYUNDAI/HWP-120/01;835.89MHz;W;Helical/Internal;

Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 DegreesMuscle/51.700/1.100

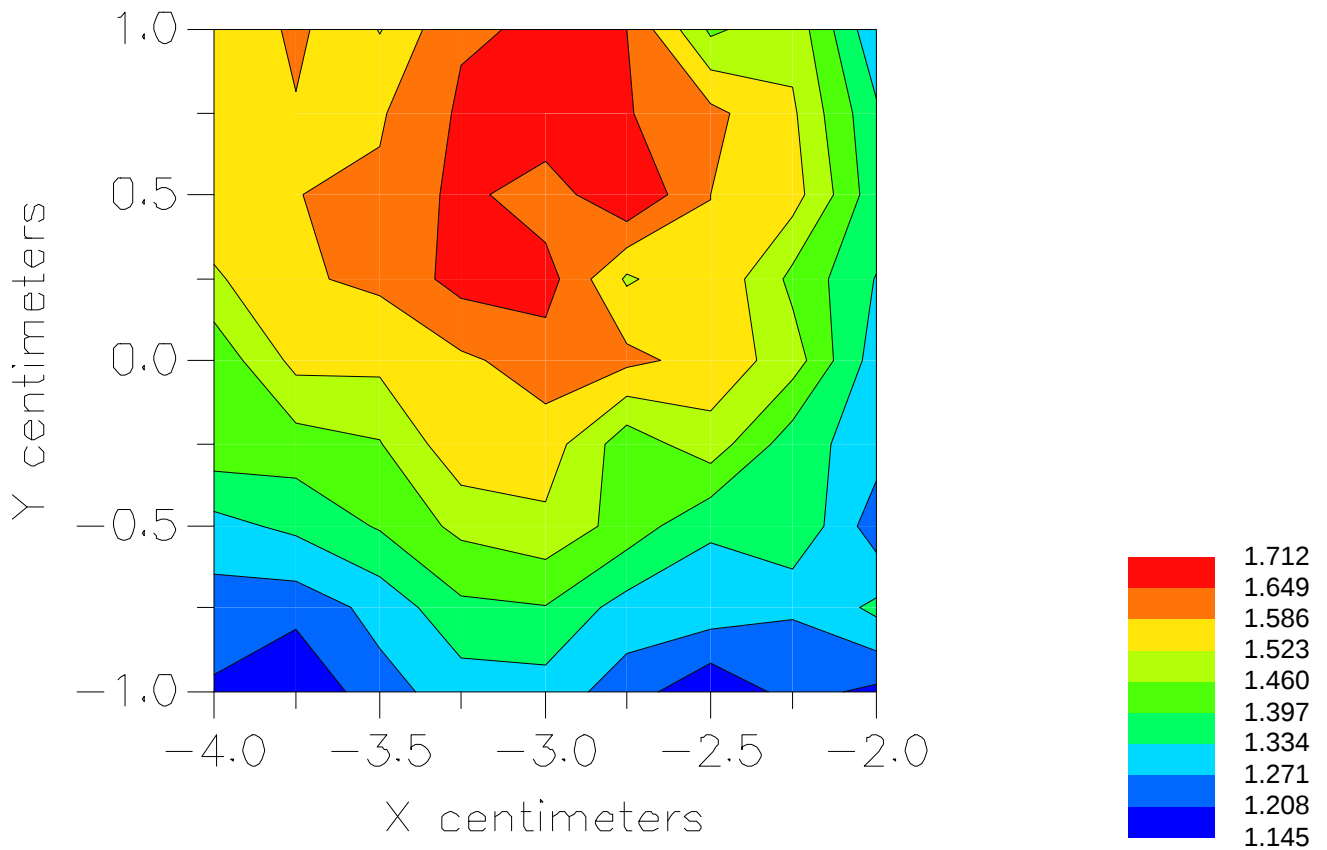


File : 00120408_ZOOM

Start : 4-Dec-100 01:28:17 pm End : 4-Dec-100 01:35:36 pm

HYUNDAI/HWP-120/01;835.89MHz;W;Helical/Internal;

Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 DegreesMuscle/51.700/1.100



File : c:/idx3/SYSTEM/SARMEAS3/data/Normal/00120417_ZOOM.VLT
Start : 4-Dec-100 03:17:56 pm End : 4-Dec-100 03:27:54 pm

Radio Type : HYUNDAI
Model Number : HWP-120
Serial Number : 01
Frequency : 848.31 MHz
Peak Trans. Pwr : 0.320 W
Start Trans. Pwr: 0.320 W
Antenna Type : Helical
Antenna Posn. : Internal
Phantom Type : Body
Phantom Posn. : Abdomen
Scan Type : ZOOM/SAR
Probe Name : PCTEST
Field Type : E Field
Orientation : 0 Degrees

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

Comment :
HYUNDAI SINGLE MODE WLL BODY SAR
CHAN 0777 Conducted 25.0
CDMA MODE WLL 2.5 cm spacing

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 = -3.250, Y = 0.500, Z = 0.000 (cm) Value = 17.783

Measured Values (volts) =
1.743E-002 1.501E-002 1.335E-002 1.158E-002 9.913E-003 8.088E-003
6.730E-003 5.724E-003 5.206E-003 5.152E-003 5.290E-003 5.403E-003
5.306E-003 4.862E-003 3.948E-003 3.035E-003 2.215E-003 1.672E-003
1.609E-003 2.055E-003 2.587E-003

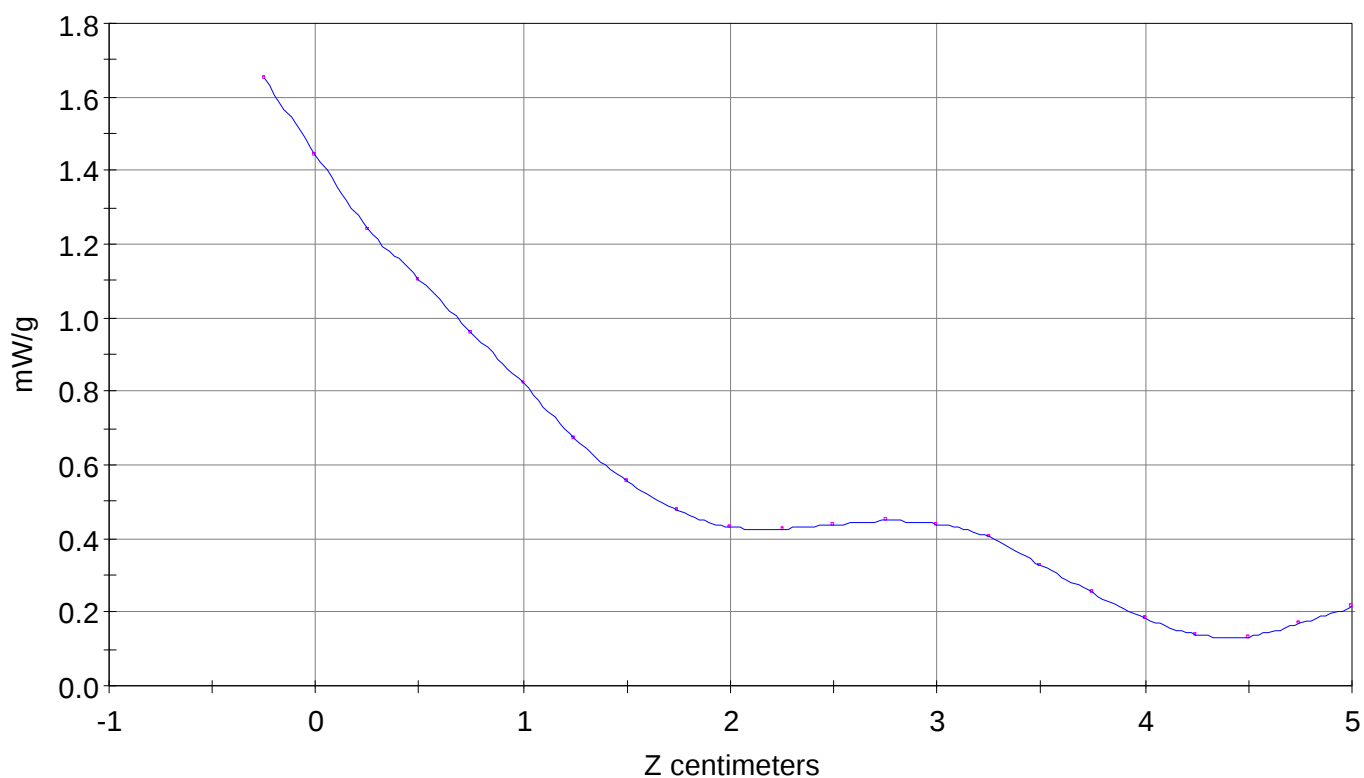
Calc. Voltage @ Surface (Vs) = 0.0199

Voltage @ 1.00 cm (Vt) = 0.0116

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

Ave. SAR over 1 g (mW/g) = 1.3040

SAR Scan
File : 00120417_ZOOM
Start : 4-Dec-100 03:17:56 pm End : 4-Dec-100 03:27:54 pm
HYUNDAI/HWP-120/01;848.31MHz;W;Helical/Internal;
Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 DegreesMuscle/51.700/1.100

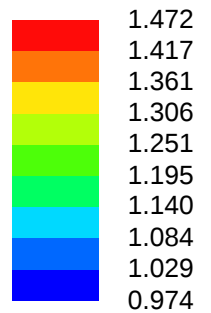
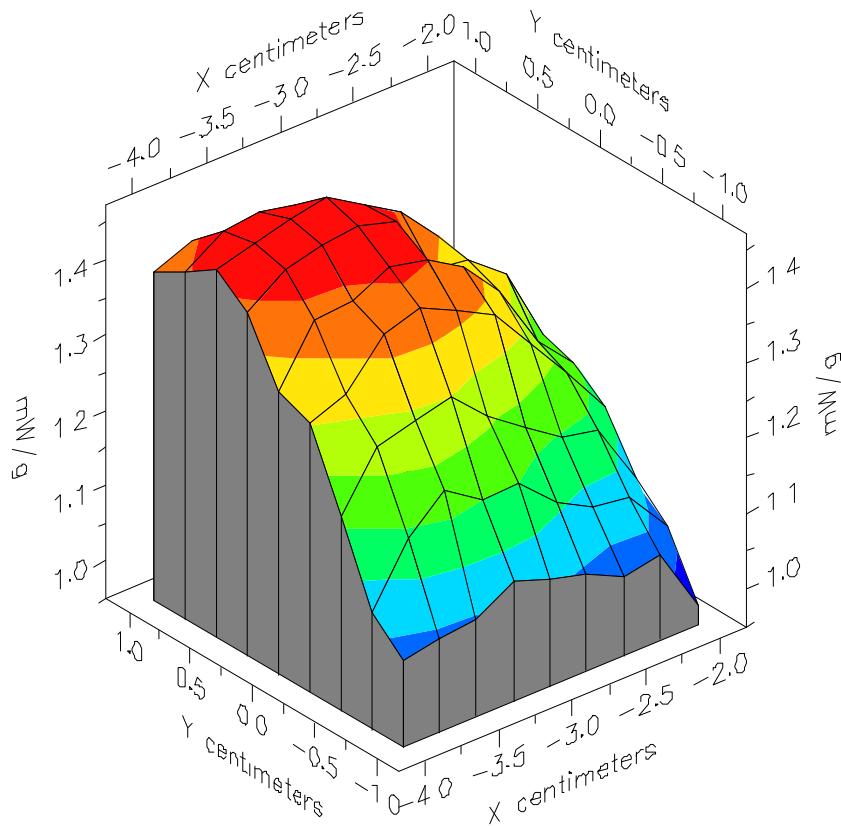


File : 00120417_ZOOM

Start : 4-Dec-100 03:17:56 pm End : 4-Dec-100 03:27:54 pm

HYUNDAI/HWP-120/01;848.31MHz;W;Helical/Internal;

Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 DegreesMuscle/51.700/1.100



File : 00120417_ZOOM

Start : 4-Dec-100 03:17:56 pm End : 4-Dec-100 03:27:54 pm

HYUNDAI/HWP-120/01;848.31MHz;W;Helical/Internal;

Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 DegreesMuscle/51.700/1.100

