

File : c:/idx3/SYSTEM/SARMEAS3/data/Normal/01100927\_ZOOM.VLT  
Start : 9-Oct-101 05:20:18 pm End : 9-Oct-101 05:21:12 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. : Right Ear  
Scan Type : 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 Conducted 24.8 dBm  
HYUNDAI TRI-MODE PHONE

Robot : PCTEST

Probe Offset = 0.20 cm  
Sensor Factor = 0.0108  
Conversion Factor = 0.550

PCTEST Amplifier Channel Settings : 0.309 0.361 0.421

Max Location : X = -0.500, Y = -0.500, Z = 0.000 (cm) Value = 22.398

Measured Values (volts) =  
1.271E-002 8.732E-003 6.377E-003 4.889E-003 3.870E-003 3.314E-003  
2.773E-003 2.387E-003 2.110E-003 2.055E-003 1.975E-003 2.093E-003  
1.989E-003 2.193E-003 2.235E-003 2.243E-003 2.450E-003 2.509E-003  
2.502E-003 2.696E-003 2.820E-003

Calc. Voltage @ Surface (Vs) = 0.0168

Voltage @ 1.00 cm (Vt) = 0.0047

Ave. Voltage (Vs+Vt)/2 = 0.0107

Ave. SAR over 1 g (mW/g) = 0.5461

File : c:/idx3/SYSTEM/SARMEAS3/data/Normal/01100915\_ZOOM.VLT  
Start : 9-Oct-101 04:54:29 pm End : 9-Oct-101 05:04:33 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. : Right 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 Conducted 24.8 dBm  
HYUNDAI TRI-MODE PHONE

Robot : PCTEST

Probe Offset = 0.20 cm  
Sensor Factor = 0.0108  
Conversion Factor = 0.550

PCTEST Amplifier Channel Settings : 0.309 0.361 0.421

Max Location : X = -0.500, Y = -0.500, Z = 0.000 (cm) Value = 22.398

Measured Values (volts) =  
2.243E-002 1.520E-002 1.164E-002 9.056E-003 7.044E-003 5.683E-003  
4.598E-003 3.793E-003 3.324E-003 2.919E-003 2.571E-003 2.430E-003  
2.361E-003 2.256E-003 2.558E-003 2.466E-003 2.599E-003 2.537E-003  
2.571E-003 2.913E-003 2.701E-003

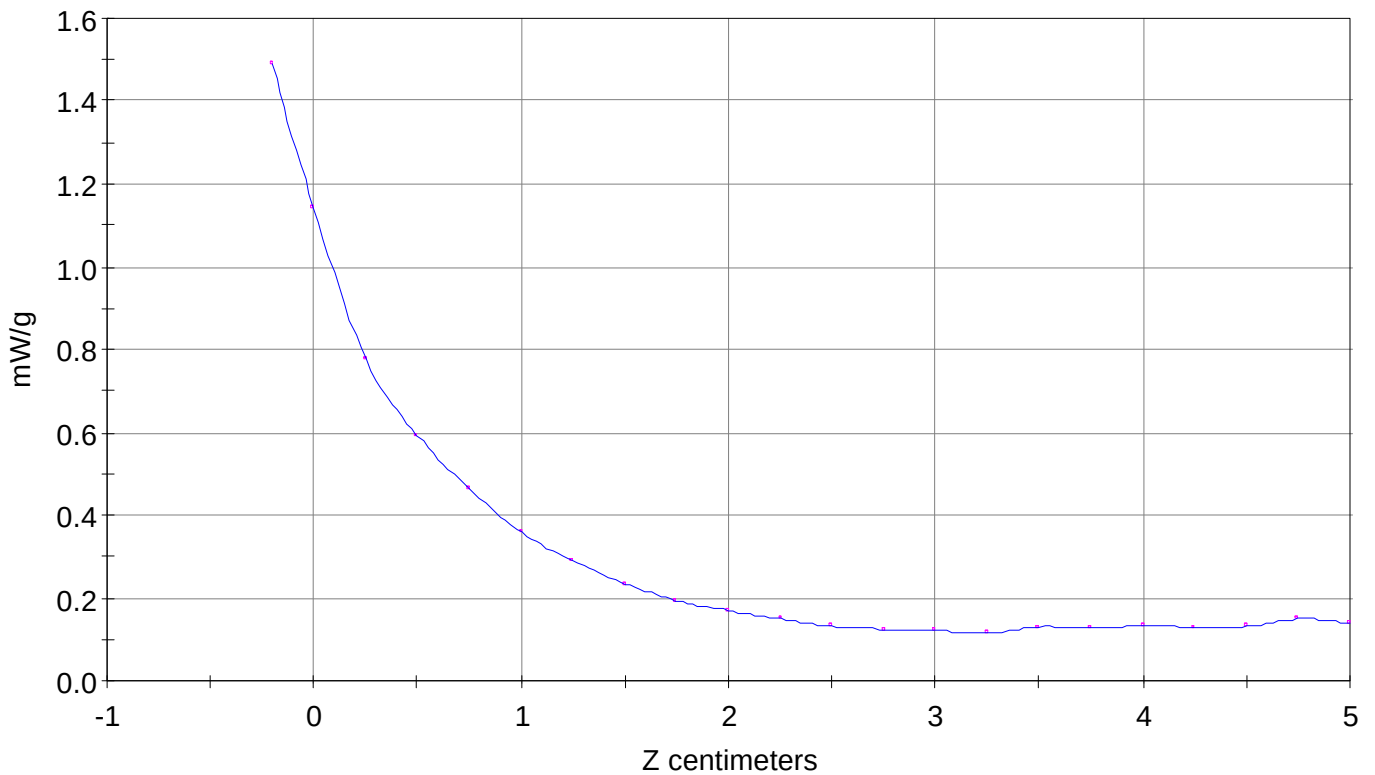
Calc. Voltage @ Surface (Vs) = 0.0292

Voltage @ 1.00 cm (Vt) = 0.0087

Ave. Voltage (Vs+Vt)/2 = 0.0189

Ave. SAR over 1 g (mW/g) = 0.9639

SAR Scan  
File : 01100915\_ZOOM  
Start : 9-Oct-101 04:54:29 pm End : 9-Oct-101 05:04:33 pm  
HYUNDAI/TX-25B/24;1851.25MHz;W;Helical/Out;  
Head/Right Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/40.400/1.620

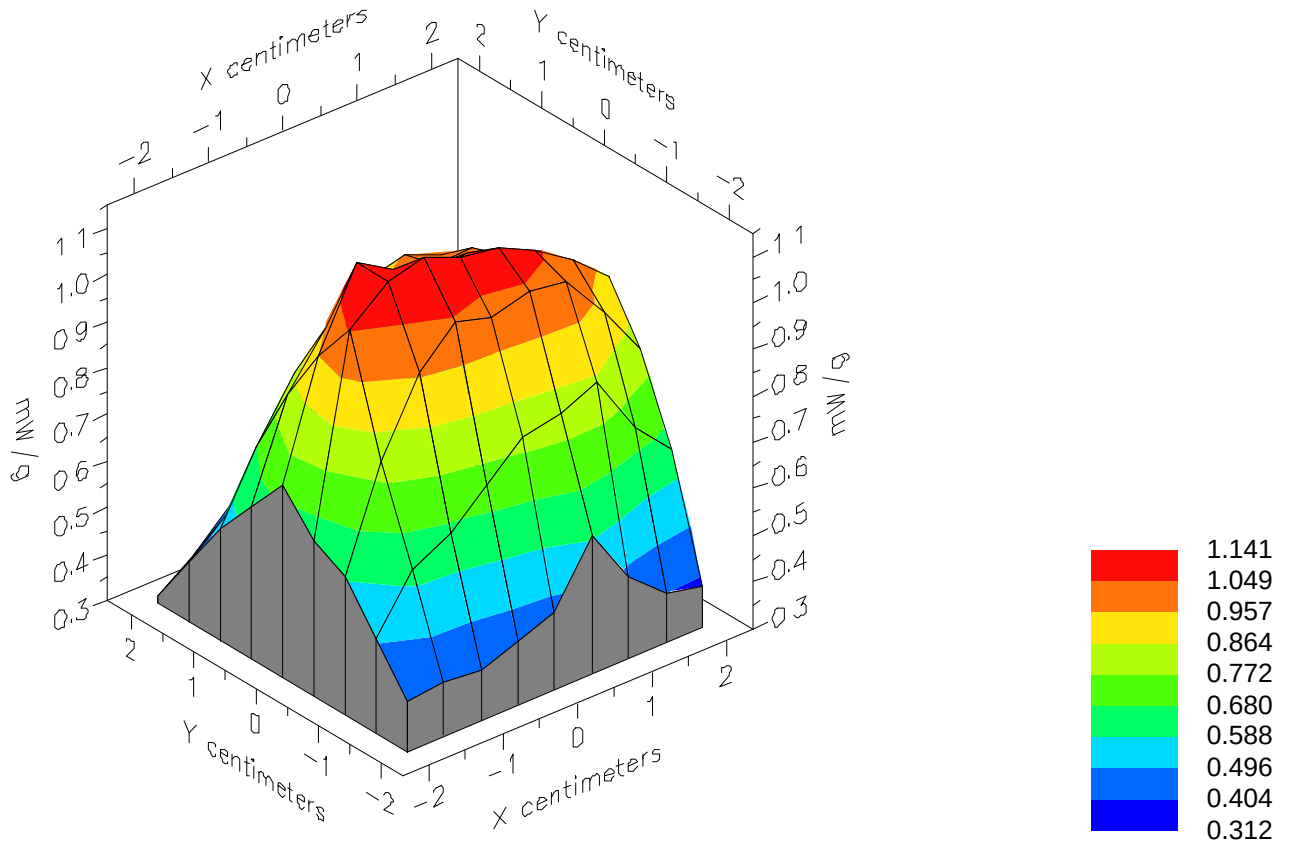


File : 01100915\_ZOOM

Start : 9-Oct-101 04:54:29 pm End : 9-Oct-101 05:04:33 pm

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

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

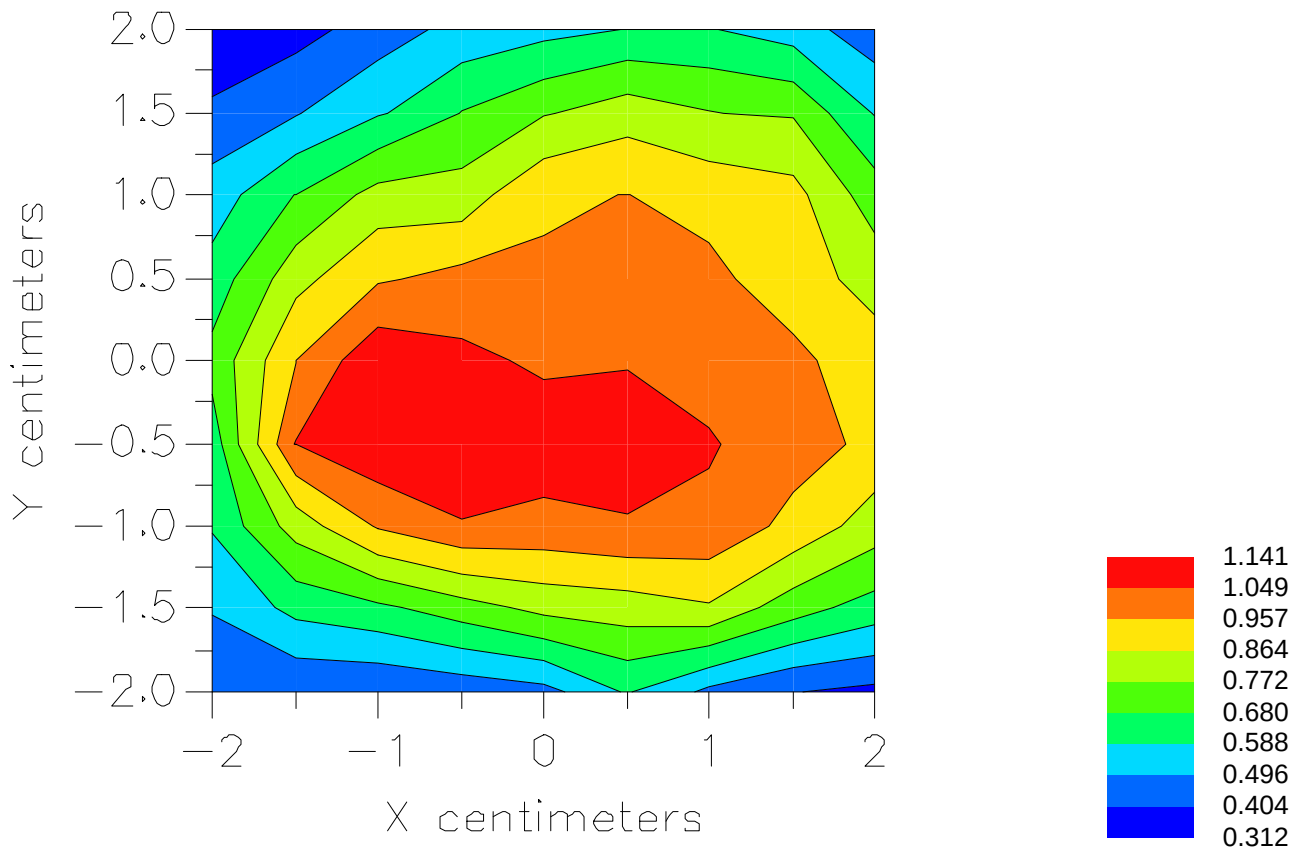


File : 01100915\_ZOOM

Start : 9-Oct-101 04:54:29 pm End : 9-Oct-101 05:04:33 pm

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

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



File : c:/idx3/SYSTEM/SARMEAS3/data/Normal/01100931\_ZOOM.VLT  
Start : 9-Oct-101 05:26:16 pm End : 9-Oct-101 05:27:10 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 : Head  
Phantom Posn. : Right Ear  
Scan Type : 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 Conducted 24.8 dBm  
HYUNDAI TRI-MODE PHONE

Robot : PCTEST

Probe Offset = 0.20 cm  
Sensor Factor = 0.0108  
Conversion Factor = 0.550

PCTEST Amplifier Channel Settings : 0.309 0.361 0.421

Max Location : X = -0.500, Y = -0.500, Z = 0.000 (cm) Value = 22.398

Measured Values (volts) =  
1.326E-002 1.016E-002 7.127E-003 4.504E-003 4.369E-003 3.338E-003  
1.533E-003 2.533E-003 2.269E-003 2.013E-003 1.932E-003 2.226E-003  
2.210E-003 2.278E-003 2.392E-003 2.339E-003 2.529E-003 2.478E-003  
2.588E-003 2.550E-003 2.736E-003

Calc. Voltage @ Surface (Vs) = 0.0170

Voltage @ 1.00 cm (Vt) = 0.0045

Ave. Voltage (Vs+Vt)/2 = 0.0107

Ave. SAR over 1 g (mW/g) = 0.5473

File : c:/idx3/SYSTEM/SARMEAS3/data/Normal/01100919\_ZOOM.VLT  
Start : 9-Oct-101 05:08:27 pm End : 9-Oct-101 05:09:21 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. : Out  
Phantom Type : Head  
Phantom Posn. : Right Ear  
Scan Type : 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 Conducted 24.8 dBm  
HYUNDAI TRI-MODE PHONE

Robot : PCTEST

Probe Offset = 0.20 cm  
Sensor Factor = 0.0108  
Conversion Factor = 0.550

PCTEST Amplifier Channel Settings : 0.309 0.361 0.421

Max Location : X = -0.500, Y = -0.500, Z = 0.000 (cm) Value = 22.398

Measured Values (volts) =  
2.109E-002 1.434E-002 1.062E-002 7.813E-003 6.168E-003 4.790E-003  
4.011E-003 3.241E-003 2.857E-003 2.633E-003 2.221E-003 2.202E-003  
2.272E-003 2.352E-003 2.420E-003 2.352E-003 2.480E-003 2.524E-003  
2.698E-003 2.751E-003 2.879E-003

Calc. Voltage @ Surface (Vs) = 0.0278

Voltage @ 1.00 cm (Vt) = 0.0075

Ave. Voltage (Vs+Vt)/2 = 0.0176

Ave. SAR over 1 g (mW/g) = 0.8974

File : c:/idx3/SYSTEM/SARMEAS3/data/Normal/01100924\_ZOOM.VLT  
Start : 9-Oct-101 05:16:21 pm End : 9-Oct-101 05:17:15 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. : In  
Phantom Type : Head  
Phantom Posn. : Right Ear  
Scan Type : 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 Conducted 24.8 dBm  
HYUNDAI TRI-MODE PHONE

Robot : PCTEST

Probe Offset = 0.20 cm  
Sensor Factor = 0.0108  
Conversion Factor = 0.550

PCTEST Amplifier Channel Settings : 0.309 0.361 0.421

Max Location : X = -0.500, Y = -0.500, Z = 0.000 (cm) Value = 22.398

Measured Values (volts) =  
1.441E-002 9.816E-003 7.032E-003 5.425E-003 4.309E-003 3.348E-003  
2.926E-003 2.466E-003 2.168E-003 2.110E-003 1.991E-003 2.083E-003  
2.261E-003 2.239E-003 2.304E-003 2.341E-003 2.371E-003 2.549E-003  
2.501E-003 2.548E-003 2.724E-003

Calc. Voltage @ Surface (Vs) = 0.0192

Voltage @ 1.00 cm (Vt) = 0.0052

Ave. Voltage (Vs+Vt)/2 = 0.0122

Ave. SAR over 1 g (mW/g) = 0.6213



File : c:/idx3/SYSTEM/SARMEAS3/data/Normal/01100916\_ZOOM.VLT  
Start : 9-Oct-101 05:06:02 pm End : 9-Oct-101 05:06:55 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. : Right Ear  
Scan Type : 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  
CH 1175 Conducted 24.8 dBm  
HYUNDAI TRI-MODE PHONE

Robot : PCTEST

Probe Offset = 0.20 cm  
Sensor Factor = 0.0108  
Conversion Factor = 0.550

PCTEST Amplifier Channel Settings : 0.309 0.361 0.421

Max Location : X = -0.500, Y = -0.500, Z = 0.000 (cm) Value = 22.398

Measured Values (volts) =  
1.864E-002 1.284E-002 9.410E-003 7.246E-003 5.640E-003 4.561E-003  
3.658E-003 3.123E-003 2.716E-003 2.453E-003 2.212E-003 2.364E-003  
2.289E-003 2.247E-003 2.440E-003 2.425E-003 2.483E-003 2.420E-003  
2.664E-003 2.774E-003 2.726E-003

Calc. Voltage @ Surface (Vs) = 0.0245

Voltage @ 1.00 cm (Vt) = 0.0069

Ave. Voltage (Vs+Vt)/2 = 0.0157

Ave. SAR over 1 g (mW/g) = 0.8004

File : c:/idx3/SYSTEM/SARMEAS3/data/Normal/01102205\_ZOOM.VLT  
Start : 22-Oct-101 11:31:19 am End : 22-Oct-101 11:40:51 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 : 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 Conducted 24.8 dBm  
HYUNDAI TRI-MODE PHONE - TILT

Robot : PCTEST

Probe Offset = 0.20 cm  
Sensor Factor = 0.0108  
Conversion Factor = 0.550

PCTEST Amplifier Channel Settings : 0.309 0.361 0.421

Max Location : X = -1.000, Y = -2.500, Z = 0.000 (cm) Value = 22.685

Measured Values (volts) =  
2.154E-002 1.595E-002 1.161E-002 8.332E-003 6.349E-003 4.616E-003  
3.835E-003 2.762E-003 2.157E-003 2.070E-003 1.544E-003 1.268E-003  
8.393E-004 1.236E-003 9.524E-004 1.001E-003 4.782E-004 9.787E-004  
7.828E-004 1.093E-003 9.979E-004

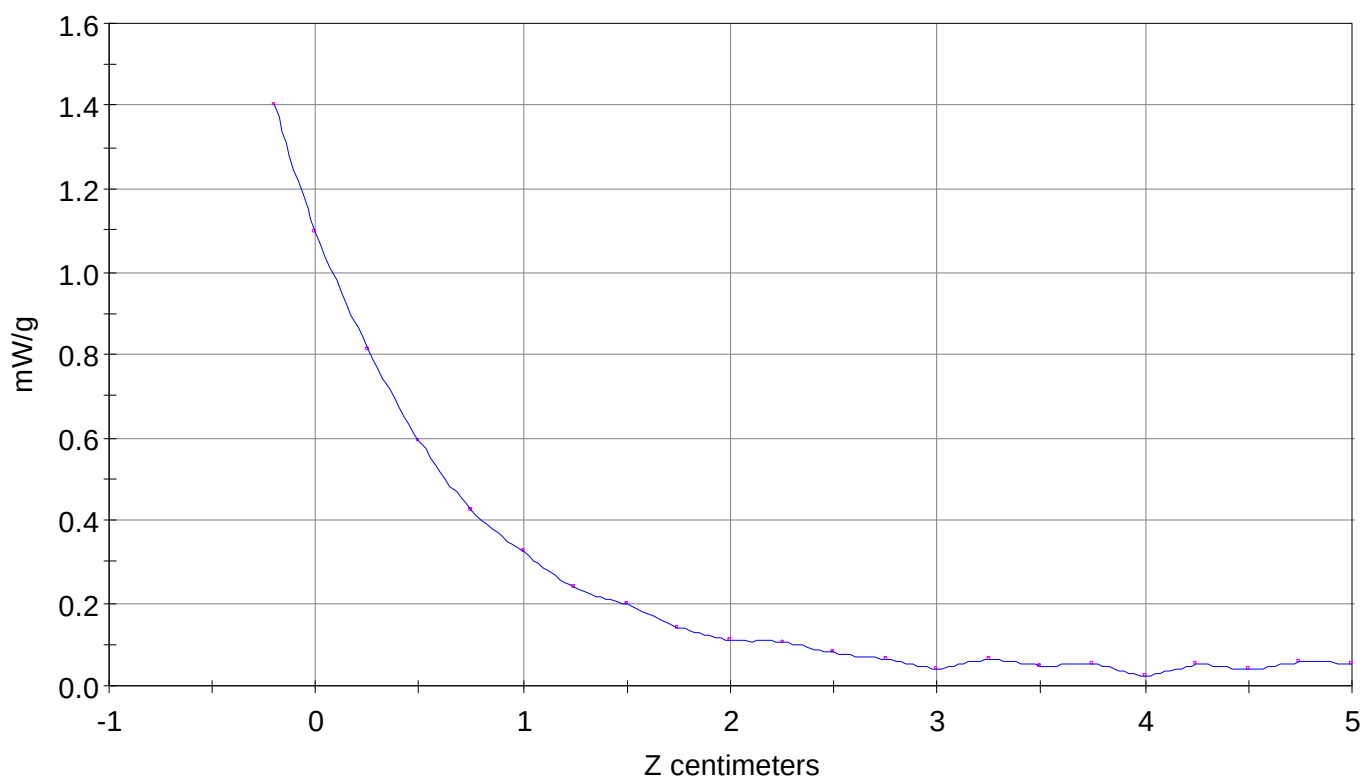
Calc. Voltage @ Surface (Vs) = 0.0276

Voltage @ 1.00 cm (Vt) = 0.0079

Ave. Voltage (Vs+Vt)/2 = 0.0178

Ave. SAR over 1 g (mW/g) = 0.9043

SAR Scan  
File : 01102205\_ZOOM  
Start : 22-Oct-101 11:31:19 am End : 22-Oct-101 11:40:51 am  
HYUNDAI/TX-25B/24;1851.25MHz;W;Helical/Out;  
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/40.400/1.620

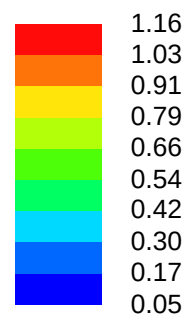
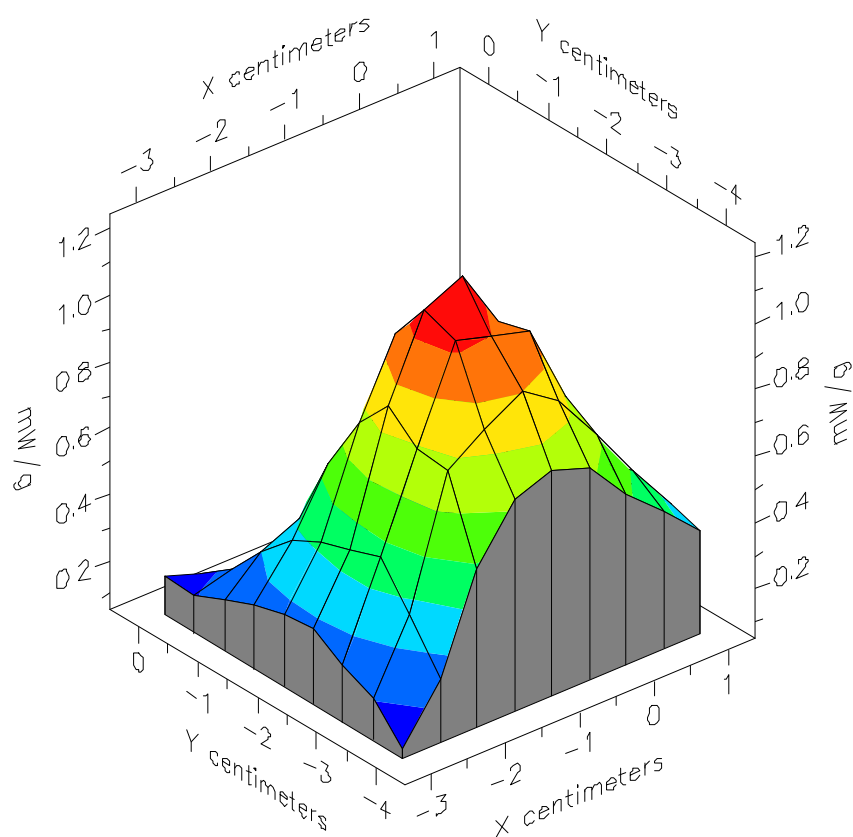


File : 01102205\_ZOOM

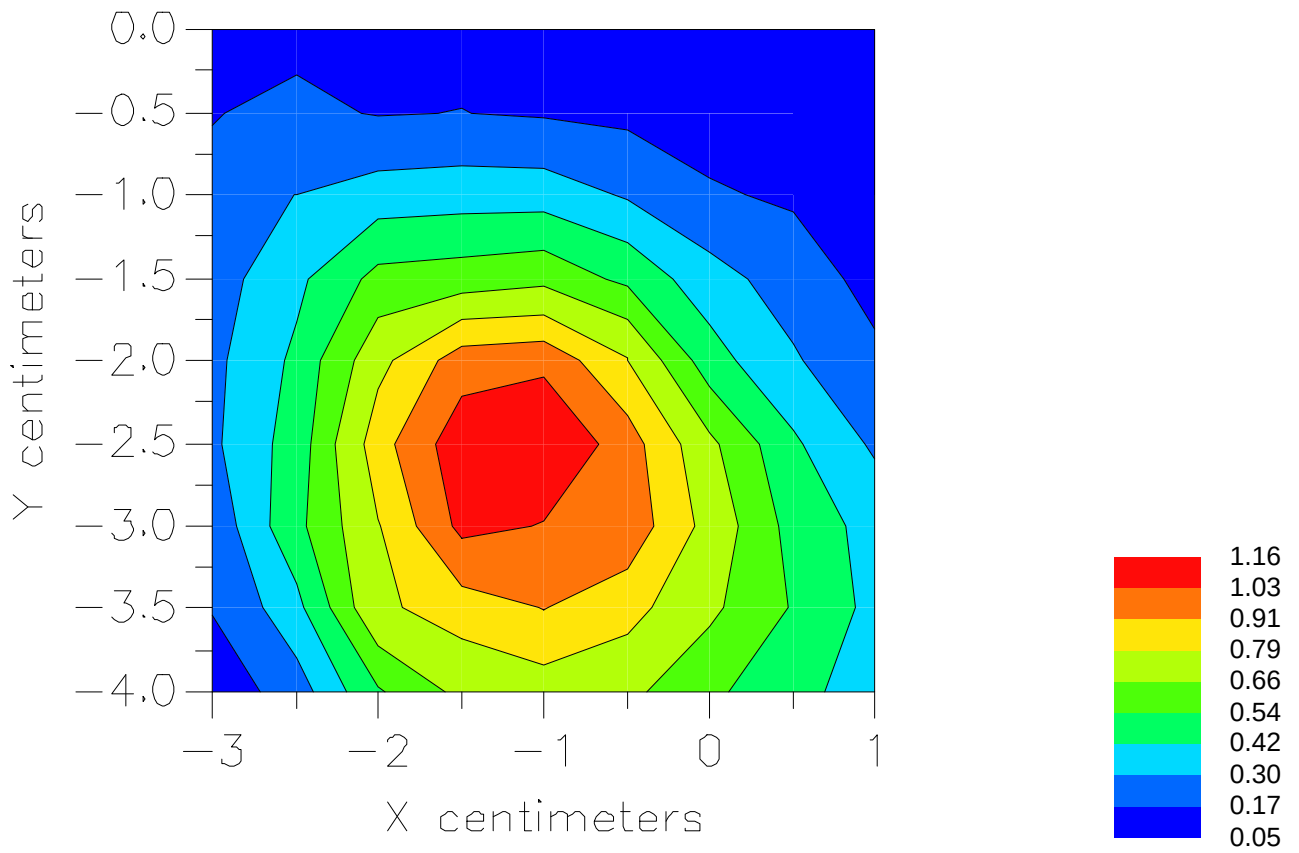
Start : 22-Oct-101 11:31:19 am End : 22-Oct-101 11:40:51 am

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

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



File : 01102205\_ZOOM  
Start : 22-Oct-101 11:31:19 am End : 22-Oct-101 11:40:51 am  
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/01102208\_ZOOM.VLT  
Start : 22-Oct-101 12:27:44 pm End : 22-Oct-101 12:37:19 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. : 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 Conducted 27.2 dBm  
HYUNDAI TRI-MODE PHONE - TILT

Robot : PCTEST

Probe Offset = 0.20 cm  
Sensor Factor = 0.0108  
Conversion Factor = 0.325

PCTEST Amplifier Channel Settings : 0.239 0.278 0.294

Max Location : X = -1.500, Y = -3.000, Z = 0.000 (cm) Value = 28.629

Measured Values (volts) =  
2.591E-002 2.016E-002 1.650E-002 1.442E-002 1.234E-002 1.094E-002  
9.402E-003 8.294E-003 7.097E-003 5.919E-003 5.122E-003 3.999E-003  
3.448E-003 2.957E-003 2.778E-003 2.371E-003 2.185E-003 2.646E-003  
2.490E-003 2.529E-003 2.269E-003

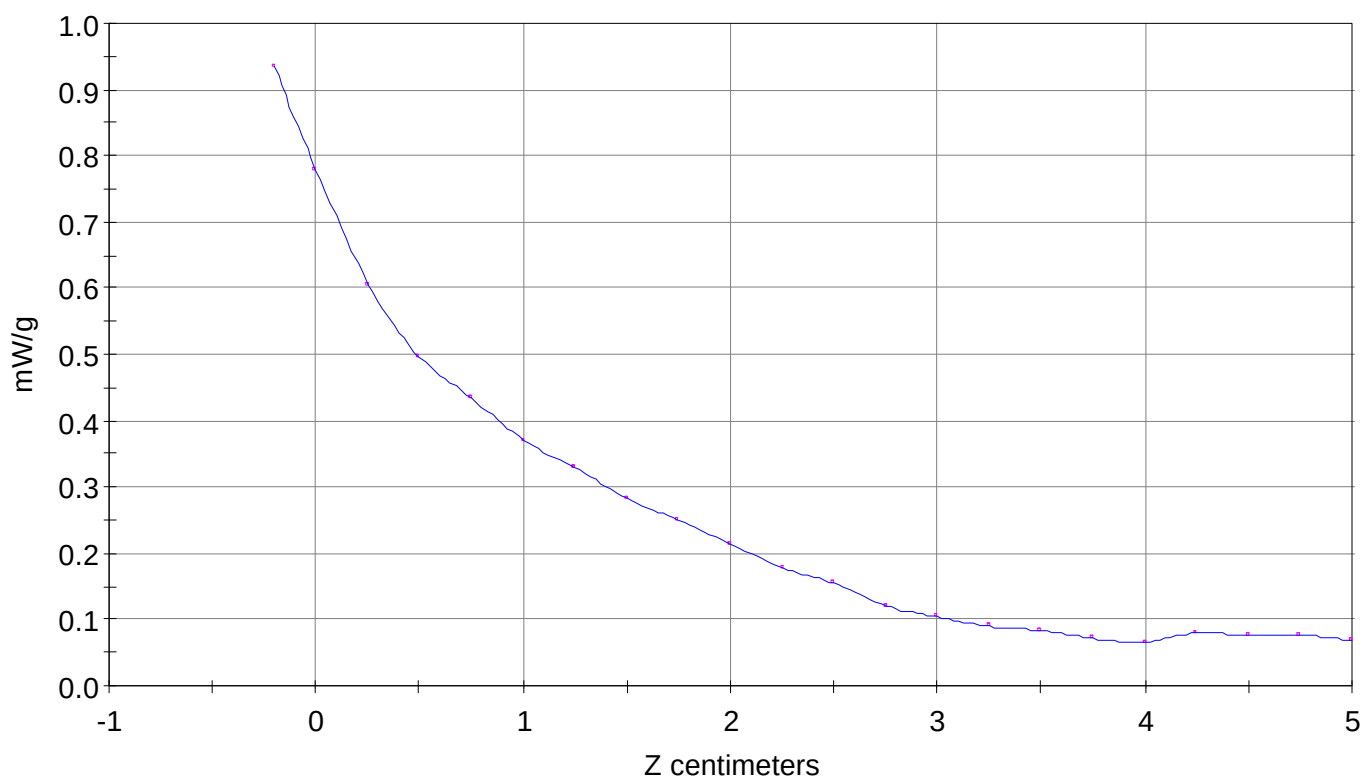
Calc. Voltage @ Surface (Vs) = 0.0310

Voltage @ 1.00 cm (Vt) = 0.0140

Ave. Voltage (Vs+Vt)/2 = 0.0225

Ave. SAR over 1 g (mW/g) = 0.6777

SAR Scan  
File : 01102208\_ZOOM  
Start : 22-Oct-101 12:27:44 pm End : 22-Oct-101 12:37:19 pm  
HYUNDAI/TX-25B/24;824.04MHz;W;Helical/Out;  
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/41.500/0.900

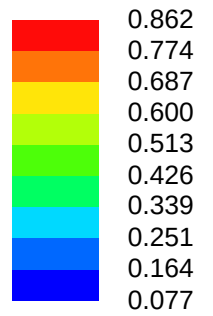
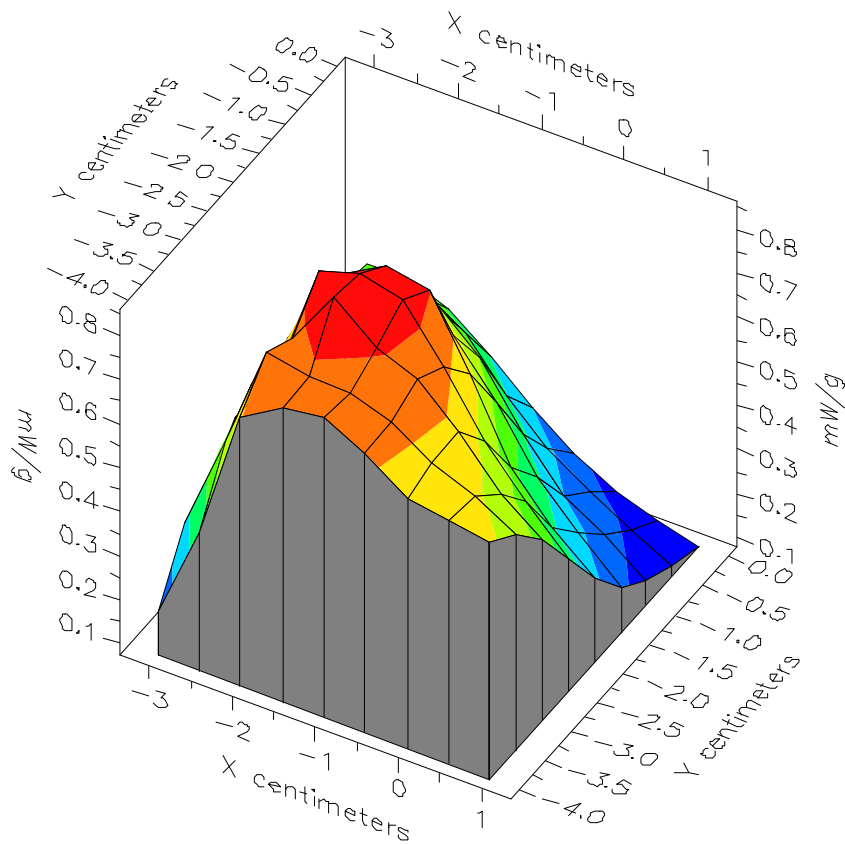


File : 01102208\_ZOOM

Start : 22-Oct-101 12:27:44 pm End : 22-Oct-101 12:37:19 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 : 01102208\_ZOOM

Start : 22-Oct-101 12:27:44 pm End : 22-Oct-101 12:37:19 pm

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

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

