

File : c:/idx3/SYSTEM/SARMEAS3/data/Normal/98122223\_ZOOM.VLT  
Start : 22-Dec-98 04:56:54 pm End : 22-Dec-98 05:08:20 pm

Radio Type : HYUNDAI  
Model Number : HGC200S  
Serial Number : HGC-200S2  
Frequency : 825.50 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 = 43.400  
Mixture Conductivity = 0.900

Comment :  
HYUNDAI DUAL MODE PHONE  
CHANNEL 1016 CDMA MODE  
PCTEST

Robot : PCTEST

Probe Offset = 0.25 cm  
Sensor Factor = 0.0108  
Conversion Factor = 0.790

PCTEST Amplifier Channel Settings : 0.168 0.136 0.132

Max Location : X = 4.500, Y = -0.500, Z = 0.000 (cm) Value = 15.143

Measured Values (volts) =  
1.485E-002 1.198E-002 9.368E-003 7.488E-003 6.187E-003 5.076E-003  
4.318E-003 3.802E-003 3.438E-003 3.179E-003 2.911E-003 2.630E-003  
2.216E-003 1.834E-003 1.357E-003 9.067E-004 5.408E-004 3.542E-004  
3.091E-004 3.412E-004 4.965E-004

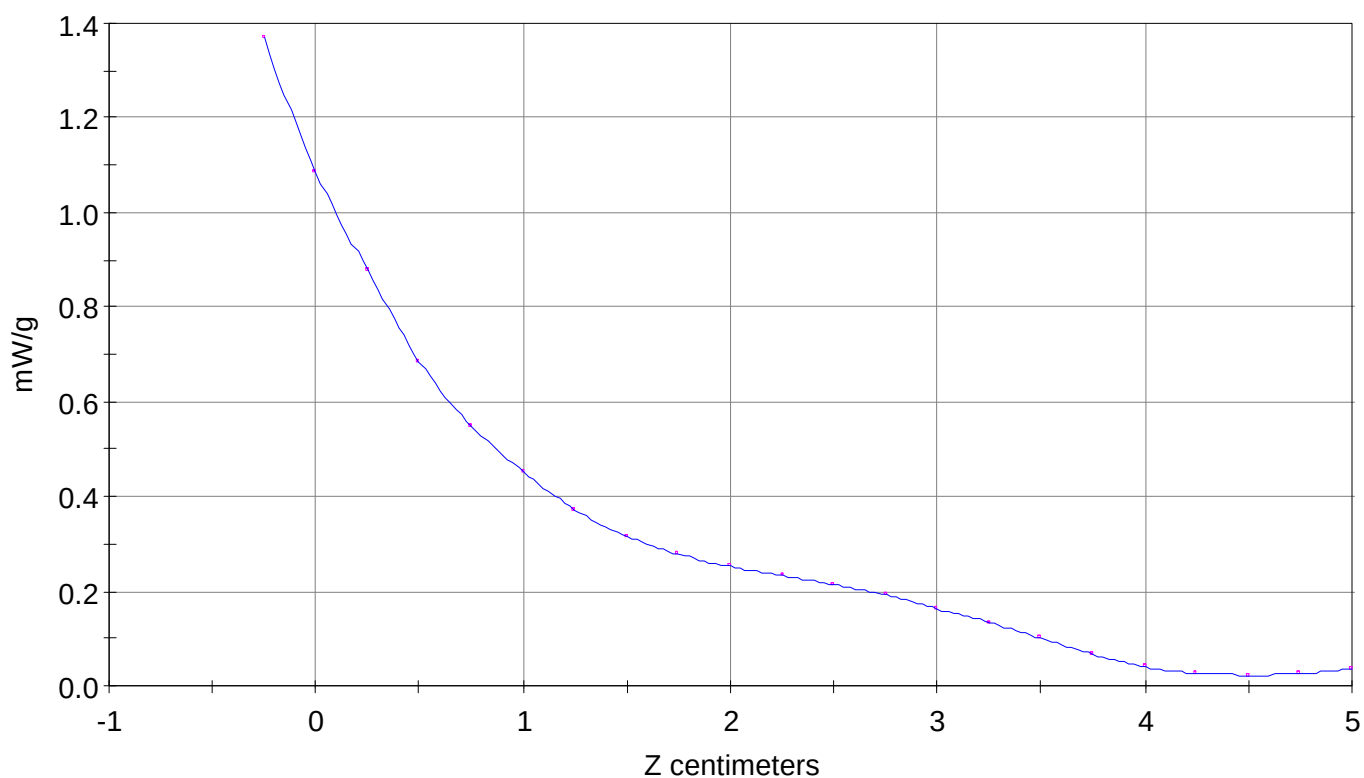
Calc. Voltage @ Surface (Vs) = 0.0187

Voltage @ 1.00 cm (Vt) = 0.0075

Ave. Voltage (Vs+Vt)/2 = 0.0131

Ave. SAR over 1 g (mW/g) = 0.9577

SAR Scan  
File : 98122223\_ZOOM  
Start : 22-Dec-98 04:56:54 pm End : 22-Dec-98 05:08:20 pm  
HYUNDAI/HGC200S/HGC-200S2;825.50MHz;W;Helical/In;  
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/43.400/0.900



File : c:/idx3/SYSTEM/SARMEAS3/data/Normal/98122224\_ZOOM.VLT  
Start : 22-Dec-98 05:16:13 pm End : 22-Dec-98 05:27:14 pm

Radio Type : HYUNDAI  
Model Number : HGC200S  
Serial Number : HGC-200S2  
Frequency : 825.50 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 = 43.400  
Mixture Conductivity = 0.900

Comment :  
HYUNDAI DUAL MODE PHONE  
CHANNEL 1016 CDMA MODE  
PCTEST

Robot : PCTEST

Probe Offset = 0.25 cm  
Sensor Factor = 0.0108  
Conversion Factor = 0.790

PCTEST Amplifier Channel Settings : 0.168 0.136 0.132

Max Location : X = 5.750, Y = -1.250, Z = 0.000 (cm) Value = 19.914

Measured Values (volts) =  
1.922E-002 1.562E-002 1.275E-002 1.064E-002 8.849E-003 7.798E-003  
6.835E-003 6.200E-003 5.643E-003 4.929E-003 4.274E-003 3.424E-003  
2.633E-003 1.855E-003 1.261E-003 8.745E-004 6.845E-004 7.242E-004  
8.883E-004 1.076E-003 1.214E-003

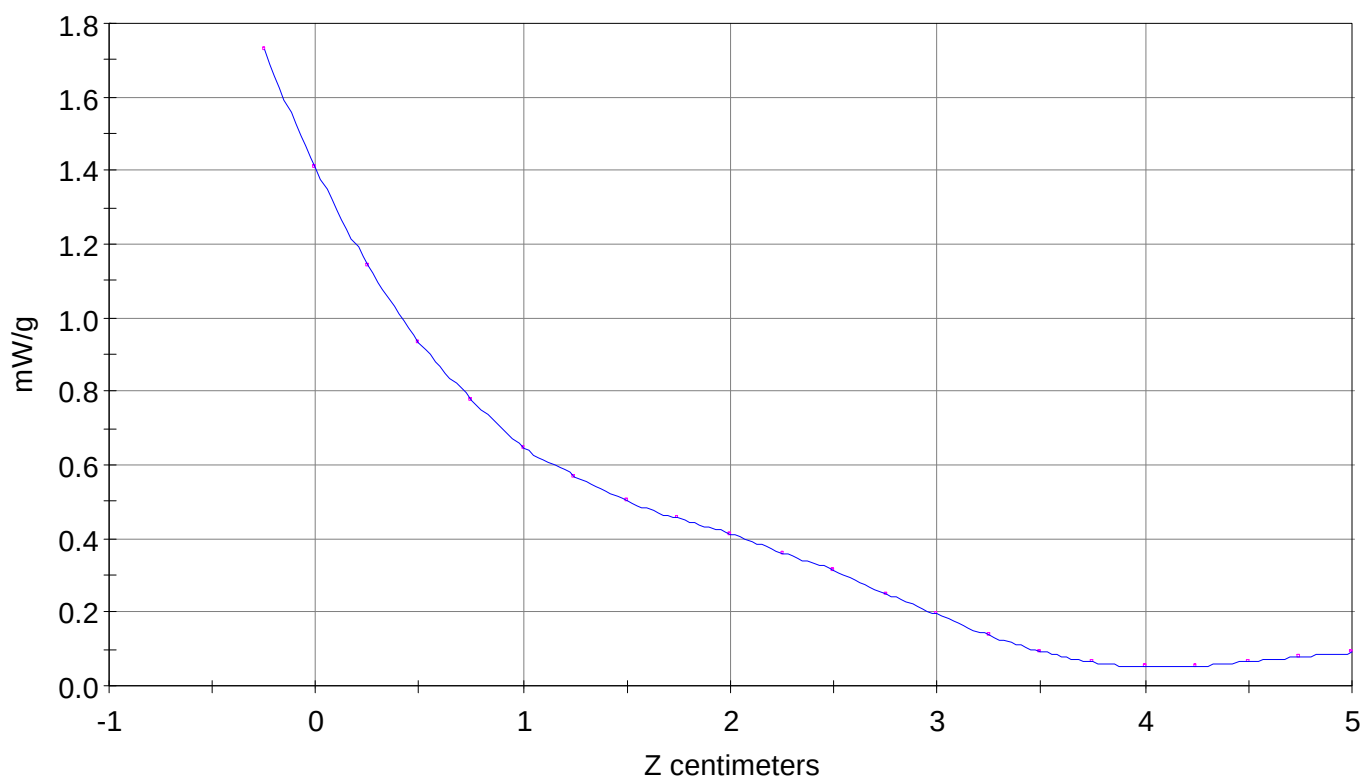
Calc. Voltage @ Surface (Vs) = 0.0236

Voltage @ 1.00 cm (Vt) = 0.0106

Ave. Voltage (Vs+Vt)/2 = 0.0171

Ave. SAR over 1 g (mW/g) = 1.2525

SAR Scan  
File : 98122224\_ZOOM  
Start : 22-Dec-98 05:16:13 pm End : 22-Dec-98 05:27:14 pm  
HYUNDAI/HGC200S/HGC-200S2;825.50MHz;W;Helical/Out;  
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/43.400/0.900



File : c:/idx3/SYSTEM/SARMEAS3/data/Normal/98122114\_ZOOM.VLT  
Start : 21-Dec-98 12:00:33 pm End : 21-Dec-98 12:01:26 pm

Radio Type : HYUNDAI  
Model Number : HGC-200S  
Serial Number : HGC200S2  
Frequency : 836.49 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 : SAR  
Probe Name : PCTEST  
Field Type : E Field  
Orientation : 0 Degrees

Mixture Type = Brain  
Mixture Dielectric Constant = 43.400  
Mixture Conductivity = 0.900

Comment :  
HYUNDAI SINGLE MODE PHONE  
CHANNEL 383 CDMA MODE  
PCTEST

Robot : PCTEST

Probe Offset = 0.25 cm  
Sensor Factor = 0.0108  
Conversion Factor = 0.790

PCTEST Amplifier Channel Settings : 0.168 0.136 0.132

Max Location : X = 6.000, Y = -1.500, Z = 0.000 (cm) Value = 23.366

Measured Values (volts) =  
2.220E-002 1.855E-002 1.542E-002 1.251E-002 1.053E-002 8.828E-003  
7.795E-003 6.901E-003 6.070E-003 5.380E-003 4.554E-003 3.755E-003  
2.898E-003 2.153E-003 1.491E-003 1.027E-003 7.958E-004 6.776E-004  
7.588E-004 1.095E-003 1.184E-003

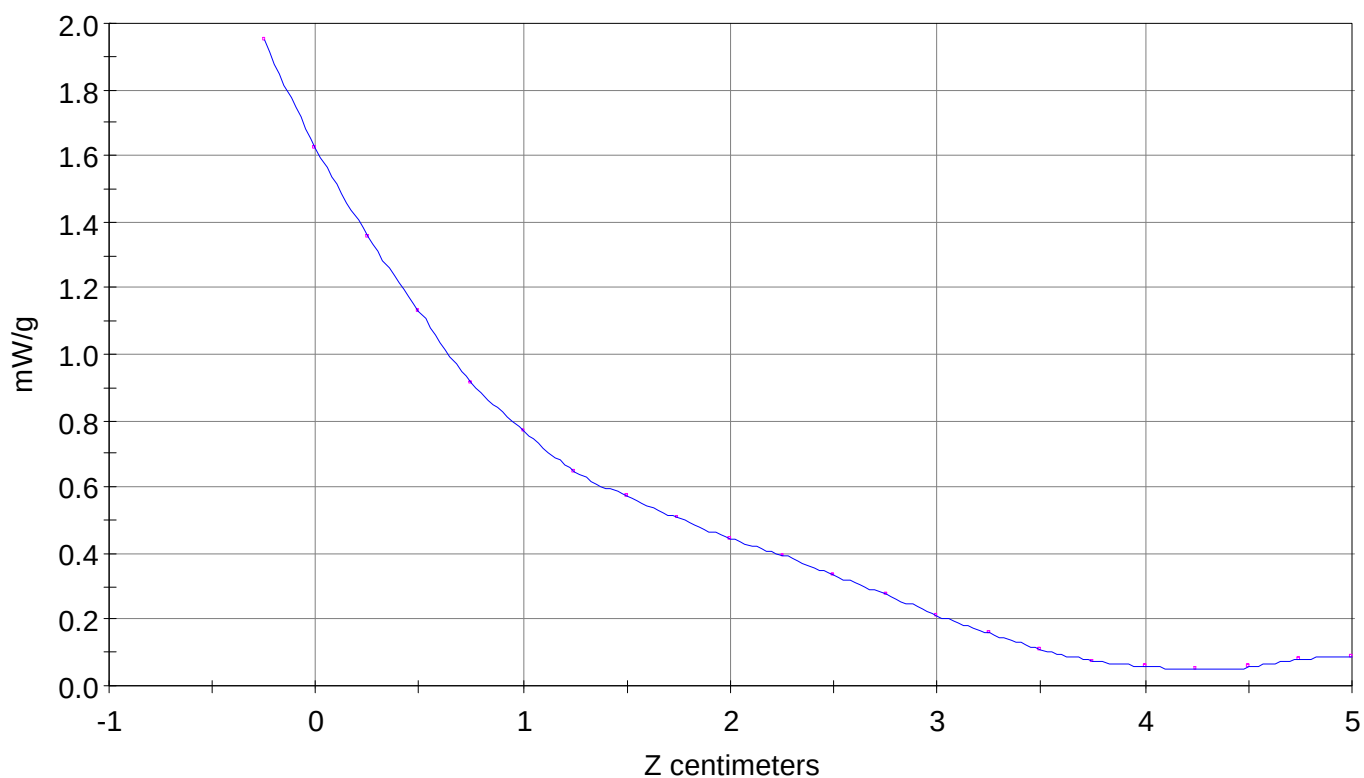
Calc. Voltage @ Surface (Vs) = 0.0266

Voltage @ 1.00 cm (Vt) = 0.0125

Ave. Voltage (Vs+Vt)/2 = 0.0196

Ave. SAR over 1 g (mW/g) = 1.4316

SAR Scan  
File : 98122115\_ZOOM  
Start : 21-Dec-98 12:00:33 pm End : 21-Dec-98 12:01:26 pm  
HYUNDAI/HGC-200S/HGC200S2;836.49MHz;W;Helical/In;  
Head/Left Ear;SAR;PCTEST/E Field/0 DegreesBrain/43.400/0.900

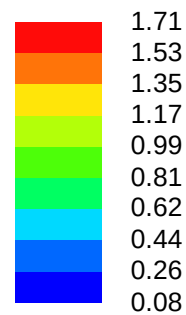
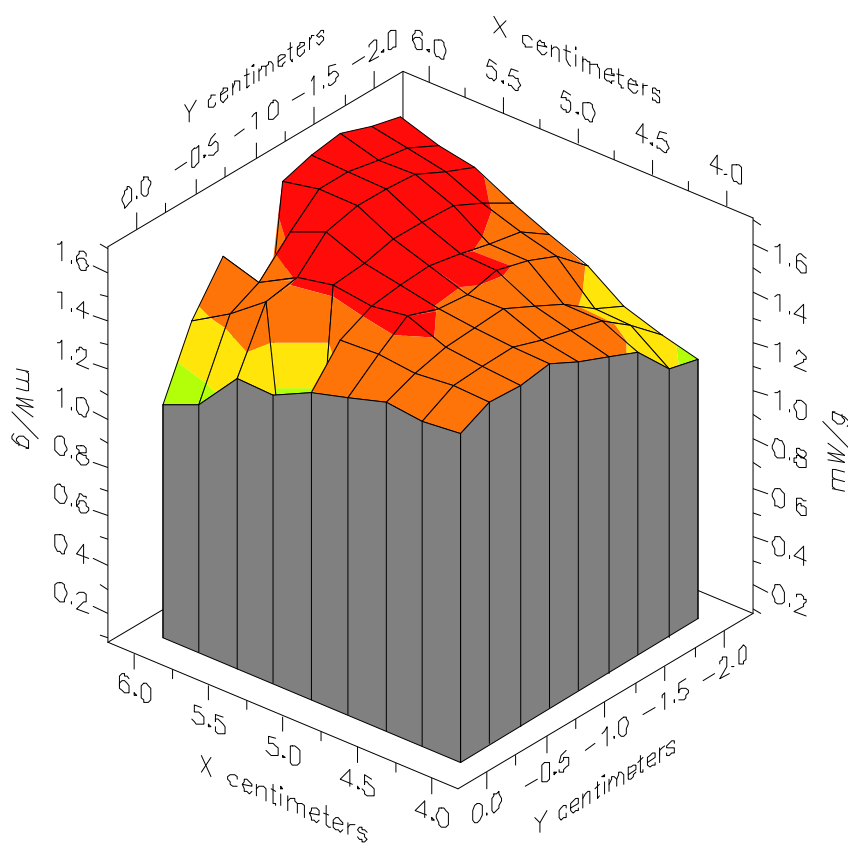


File : 98122114\_ZOOM

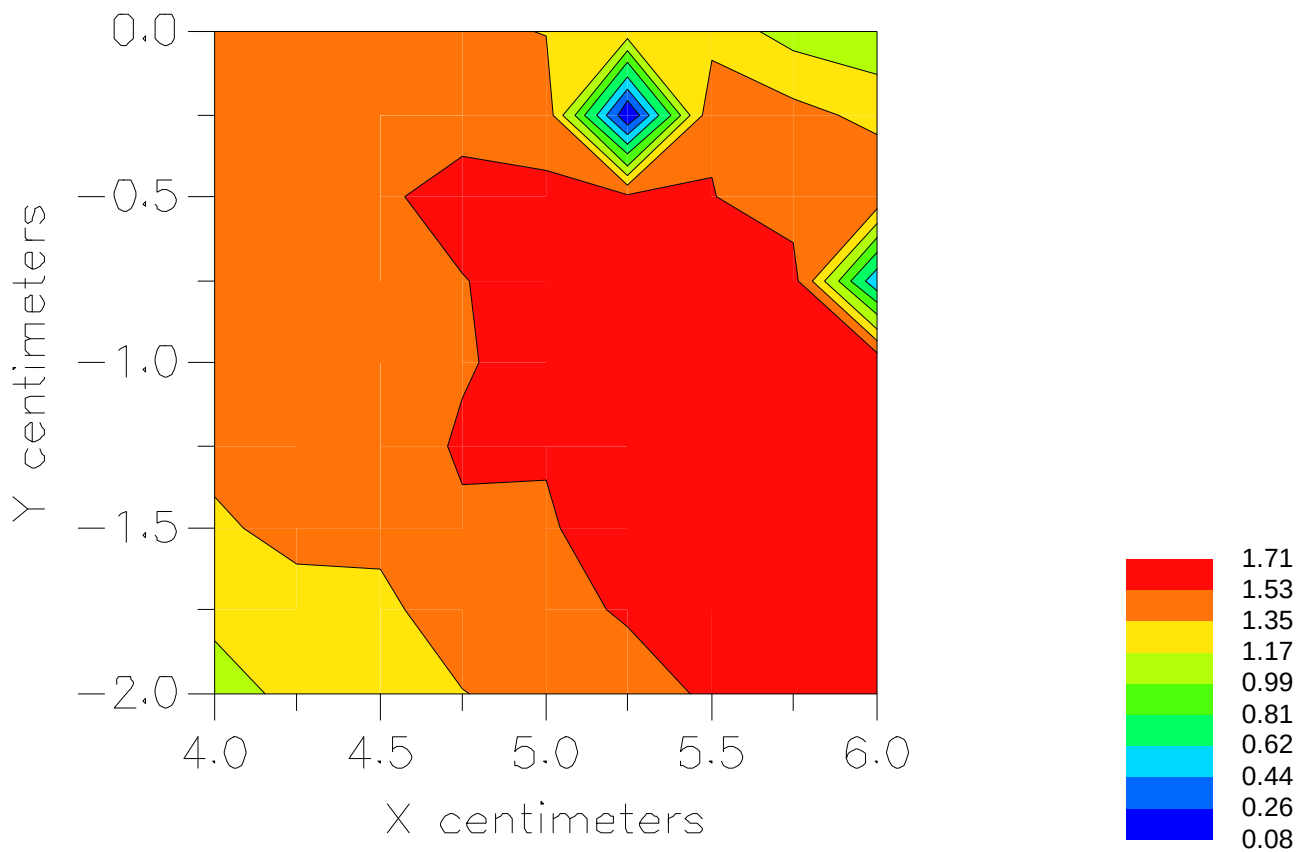
Start : 21-Dec-98 11:52:35 am End : 21-Dec-98 11:59:49 am

CKL/HGC-200S/HGC200S2;836.49MHz;W;Helical/In;

Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/43.400/0.900



File : 98122114\_ZOOM  
Start : 21-Dec-98 11:52:35 am End : 21-Dec-98 11:59:49 am  
CKL/HGC-200S/HGC200S2;836.49MHz;W;Helical/In;  
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/43.400/0.900





File : c:/idx3/SYSTEM/SARMEAS3/data/Normal/98122116\_ZOOM.VLT  
Start : 21-Dec-98 12:09:51 pm End : 21-Dec-98 12:17:06 pm

Radio Type : HYUNDAI  
Model Number : HGC-200S  
Serial Number : HGC200S2  
Frequency : 836.49 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 = 43.400  
Mixture Conductivity = 0.900

Comment :  
HYUNDAI SINGLE MODE PHONE  
CHANNEL 383 CDMA MODE  
PCTEST

Robot : PCTEST

Probe Offset = 0.25 cm  
Sensor Factor = 0.0108  
Conversion Factor = 0.790

PCTEST Amplifier Channel Settings : 0.168 0.136 0.132

Max Location : X = 6.000, Y = -1.000, Z = 0.000 (cm) Value = 18.712

Measured Values (volts) =  
1.673E-002 1.333E-002 1.048E-002 8.483E-003 7.019E-003 6.095E-003  
5.291E-003 4.716E-003 4.210E-003 3.774E-003 3.241E-003 3.717E-004  
2.128E-003 1.552E-003 1.069E-003 8.069E-004 5.940E-004 6.230E-004  
7.981E-004 8.998E-004 9.819E-004

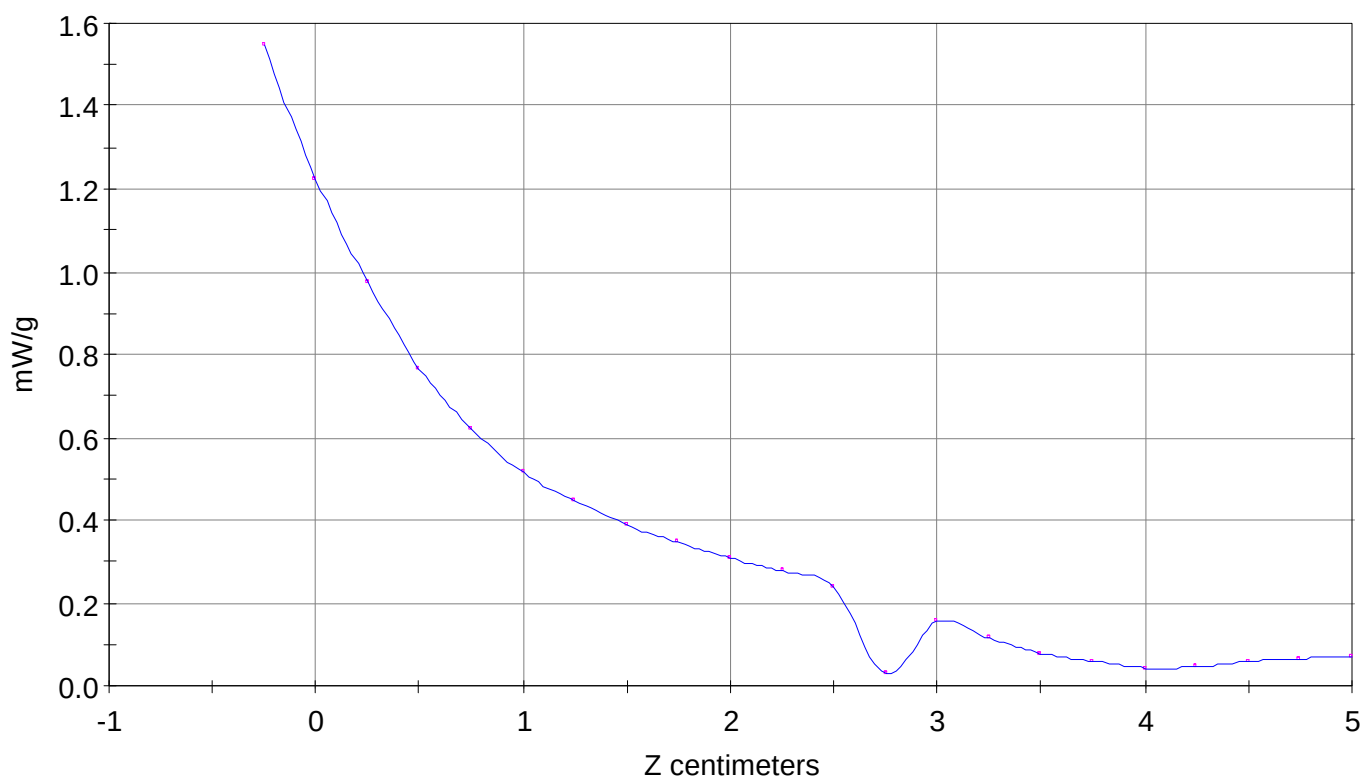
Calc. Voltage @ Surface (Vs) = 0.0211

Voltage @ 1.00 cm (Vt) = 0.0085

Ave. Voltage (Vs+Vt)/2 = 0.0148

Ave. SAR over 1 g (mW/g) = 1.0837

SAR Scan  
File : 98122116\_ZOOM  
Start : 21-Dec-98 12:09:51 pm End : 21-Dec-98 12:17:06 pm  
HYUNDAI/HGC-200S/HGC200S2;836.49MHz;W;Helical/In;  
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/43.400/0.900



File : c:/idx3/SYSTEM/SARMEAS3/data/Normal/98122225\_ZOOM.VLT  
Start : 22-Dec-98 05:40:07 pm End : 22-Dec-98 05:50:49 pm

Radio Type : HYUNDAI  
Model Number : HGC200S  
Serial Number : HGC-200S2  
Frequency : 848.37 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 = 43.400  
Mixture Conductivity = 0.900

Comment :  
HYUNDAI SINGLE MODE PHONE  
CHANNEL 779 CDMA MODE  
PCTEST

Robot : PCTEST

Probe Offset = 0.25 cm  
Sensor Factor = 0.0108  
Conversion Factor = 0.790

PCTEST Amplifier Channel Settings : 0.168 0.136 0.132

Max Location : X = 6.500, Y = -1.500, Z = 0.000 (cm) Value = 21.835

Measured Values (volts) =  
2.132E-002 1.739E-002 1.400E-002 1.150E-002 9.589E-003 8.344E-003  
7.426E-003 6.644E-003 5.918E-003 5.130E-003 4.325E-003 3.466E-003  
2.659E-003 1.870E-003 1.299E-003 1.015E-003 8.732E-004 9.580E-004  
1.125E-003 1.276E-003 1.297E-003

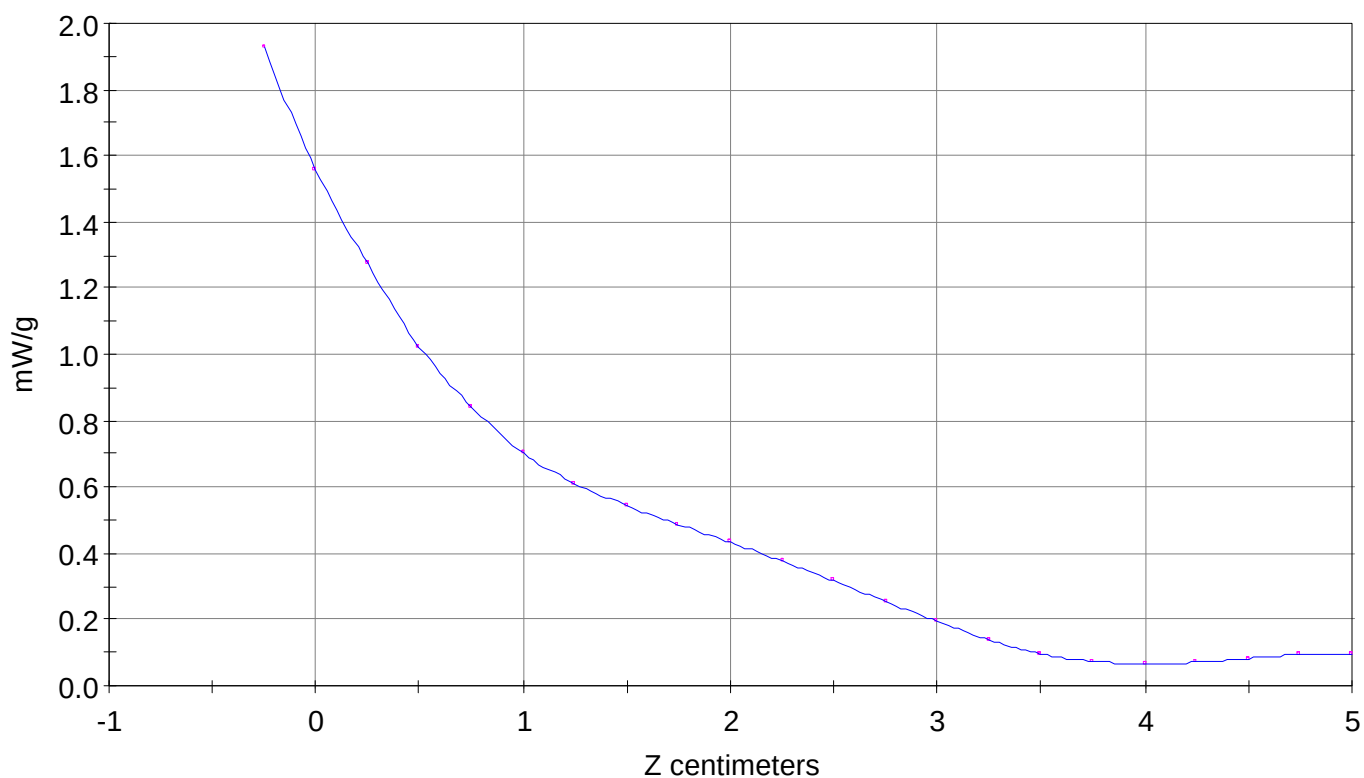
Calc. Voltage @ Surface (Vs) = 0.0263

Voltage @ 1.00 cm (Vt) = 0.0115

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

Ave. SAR over 1 g (mW/g) = 1.3827

SAR Scan  
File : 98122225\_ZOOM  
Start : 22-Dec-98 05:40:07 pm End : 22-Dec-98 05:50:49 pm  
HYUNDAI/HGC200S/HGC-200S2;848.37MHz;W;Helical/In;  
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/43.400/0.900



File : c:/idx3/SYSTEM/SARMEAS3/data/Normal/98122227\_ZOOM.VLT  
Start : 22-Dec-98 05:59:03 pm End : 22-Dec-98 06:06:26 pm

Radio Type : HYUNDAI  
Model Number : HGC200S  
Serial Number : HGC-200S2  
Frequency : 848.37 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 = 43.400  
Mixture Conductivity = 0.900

Comment :  
HYUNDAI SINGLE MODE PHONE  
CHANNEL 779 CDMA MODE  
PCTEST

Robot : PCTEST

Probe Offset = 0.25 cm  
Sensor Factor = 0.0108  
Conversion Factor = 0.790

PCTEST Amplifier Channel Settings : 0.168 0.136 0.132

Max Location : X = 5.750, Y = -1.250, Z = 0.000 (cm) Value = 22.805

Measured Values (volts) =  
2.152E-002 1.774E-002 1.431E-002 1.183E-002 9.723E-003 8.482E-003  
7.425E-003 6.670E-003 6.021E-003 5.406E-003 4.702E-003 3.863E-003  
3.033E-003 2.230E-003 1.506E-003 1.034E-003 7.742E-004 7.511E-004  
9.072E-004 1.083E-003 1.201E-003

Calc. Voltage @ Surface (Vs) = 0.0264

Voltage @ 1.00 cm (Vt) = 0.0118

Ave. Voltage (Vs+Vt)/2 = 0.0191

Ave. SAR over 1 g (mW/g) = 1.3982

SAR Scan  
File : 98122227\_ZOOM  
Start : 22-Dec-98 05:59:03 pm End : 22-Dec-98 06:06:26 pm  
HYUNDAI/HGC200S/HGC-200S2;848.37MHz;W;Helical/Out;  
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/43.400/0.900

