

File : c:/idx3/SYSTEM/SARMEAS3/data/Normal/99032219_ZOOM.VLT
Start : 22-Mar-99 03:28:31 pm End : 22-Mar-99 03:37:03 pm

Radio Type : HYUNDAI
Model Number : CKLHGC-130S
Serial Number : HGC130S02
Frequency : 824.64 MHz
Peak Trans. Pwr : 0.200 W
Start Trans. Pwr: 0.200 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 CDMA 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

Diode Coefficients:

Channel 1	An=-10.851	Bn=86.223	Cn=38.593	Dn=-0.016	Mn=0.026	Yn=0.000
Channel 2	An=-21.618	Bn=92.335	Cn=34.909	Dn=-0.019	Mn=0.029	Yn=0.000
Channel 3	An=-11.171	Bn=50.619	Cn=19.002	Dn=-0.025	Mn=0.052	Yn=0.001

Max Location : X = 2.750, Y = -2.250, Z = 0.000 (cm) Value = 10.013

Measured Values (volts) =

9.414E-003	7.278E-003	5.896E-003	4.847E-003	4.088E-003	3.384E-003
2.806E-003	2.330E-003	1.901E-003	1.568E-003	1.225E-003	8.945E-004
6.072E-004	3.380E-004	9.324E-005	-1.569E-004	-3.549E-004	-5.340E-004
-6.515E-004	-7.297E-004	-7.664E-004			

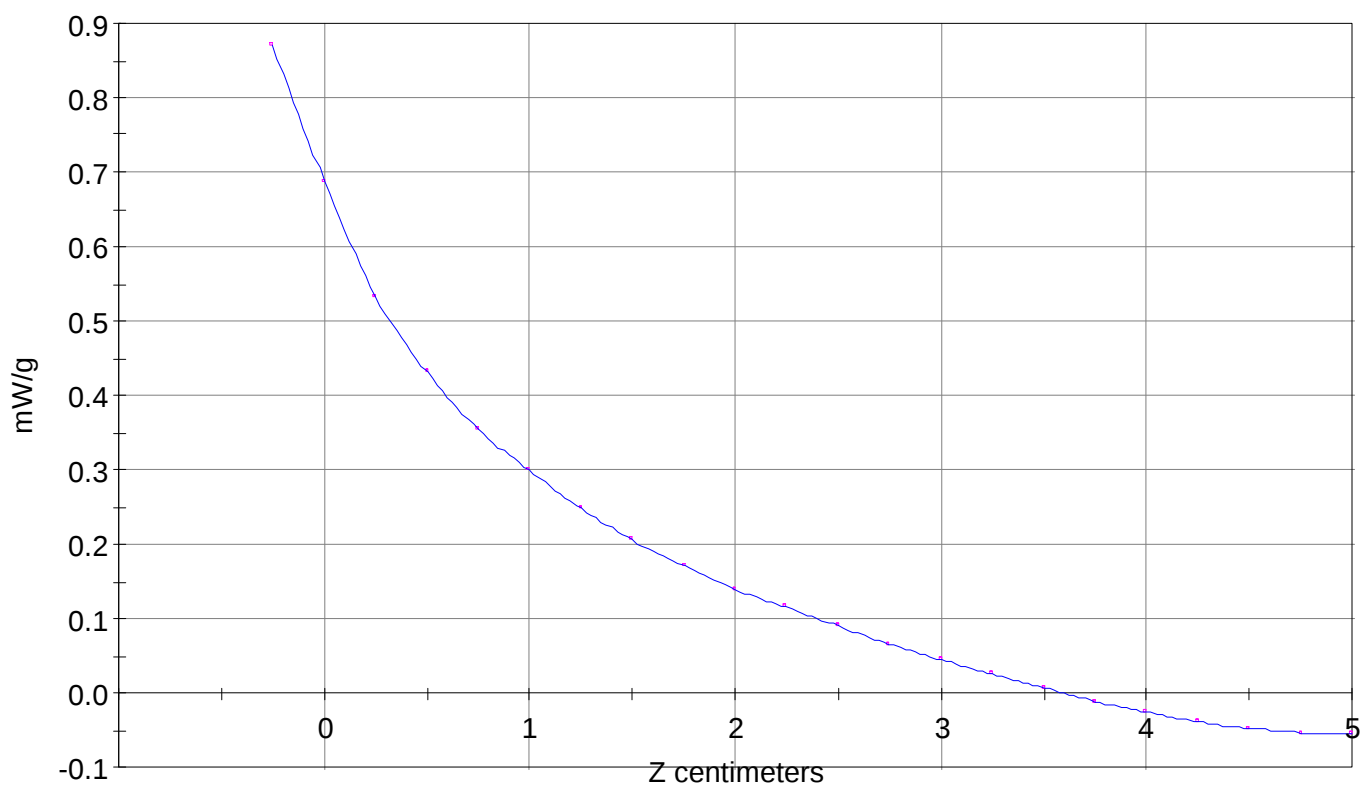
Calc. Voltage @ Surface (Vs) = 0.0119

Voltage @ 1.00 cm (Vt) = 0.0048

Ave. Voltage (Vs+Vt)/2 = 0.0084

Ave. SAR over 1 g (mW/g) = 0.6125

SAR Scan
File : 99032219_ZOOM
Start : 22-Mar-99 03:28:31 pm End : 22-Mar-99 03:37:03 pm
HYUNDAI/CKLHGC-130S/HGC130S02;824.64MHz;W;Helical/In;
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/43.400/0.900



File : c:/idx3/SYSTEM/SARMEAS3/data/Normal/99032218_ZOOM.VLT
Start : 22-Mar-99 02:59:25 pm End : 22-Mar-99 03:12:27 pm

Radio Type : HYUNDAI
Model Number : CKLHGC-130S
Serial Number : HGC130S02
Frequency : 824.64 MHz
Peak Trans. Pwr : 0.200 W
Start Trans. Pwr: 0.200 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 CDMA 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

Diode Coefficients:

Channel 1	An=-10.851	Bn=86.223	Cn=38.593	Dn=-0.016	Mn=0.026	Yn=0.000
Channel 2	An=-21.618	Bn=92.335	Cn=34.909	Dn=-0.019	Mn=0.029	Yn=0.000
Channel 3	An=-11.171	Bn=50.619	Cn=19.002	Dn=-0.025	Mn=0.052	Yn=0.001

Max Location : X = 2.750, Y = -2.250, Z = 0.000 (cm) Value = 8.078

Measured Values (volts) =

7.706E-003	5.995E-003	4.796E-003	3.837E-003	3.320E-003	2.728E-003
2.419E-003	1.869E-003	1.463E-003	1.153E-003	8.588E-004	6.072E-004
3.704E-004	6.239E-005	-9.220E-005	-3.015E-004	-5.225E-004	-6.404E-004
-7.478E-004	-6.410E-004	-8.591E-004			

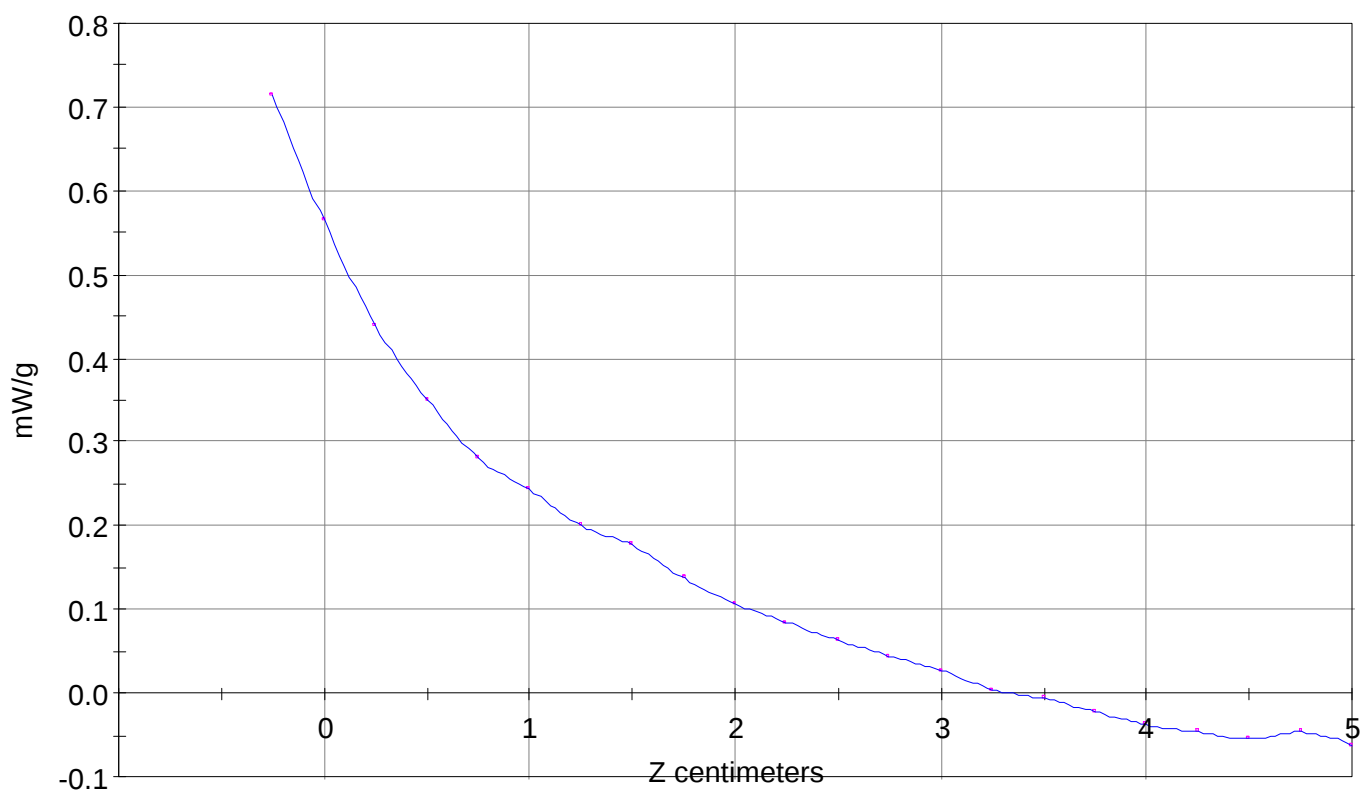
Calc. Voltage @ Surface (Vs) = 0.0098

Voltage @ 1.00 cm (Vt) = 0.0038

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

Ave. SAR over 1 g (mW/g) = 0.4976

SAR Scan
File : 99032218_ZOOM
Start : 22-Mar-99 02:59:25 pm End : 22-Mar-99 03:12:27 pm
HYUNDAI/CKLHGC-130S/002;824.64MHz;W;Helical/Out;
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/43.400/0.900



File : c:/idx3/SYSTEM/SARMEAS3/data/Normal/99032221_ZOOM.VLT
Start : 22-Mar-99 04:01:23 pm End : 22-Mar-99 04:09:56 pm

Radio Type : HYUNDAI
Model Number : CKLHGC-130S
Serial Number : HGC130S02
Frequency : 836.49 MHz
Peak Trans. Pwr : 0.200 W
Start Trans. Pwr: 0.200 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 CDMA 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

Diode Coefficients:

Channel 1	An=-10.851	Bn=86.223	Cn=38.593	Dn=-0.016	Mn=0.026	Yn=0.000
Channel 2	An=-21.618	Bn=92.335	Cn=34.909	Dn=-0.019	Mn=0.029	Yn=0.000
Channel 3	An=-11.171	Bn=50.619	Cn=19.002	Dn=-0.025	Mn=0.052	Yn=0.001

Max Location : X = 2.750, Y = -2.250, Z = 0.000 (cm) Value = 9.444

Measured Values (volts) =

8.767E-003	6.870E-003	5.509E-003	4.476E-003	3.740E-003	3.096E-003
2.568E-003	2.072E-003	1.665E-003	1.332E-003	1.003E-003	7.141E-004
4.766E-004	2.187E-004	1.034E-005	-1.822E-004	-3.988E-004	-5.103E-004
-6.473E-004	-7.146E-004	-7.793E-004			

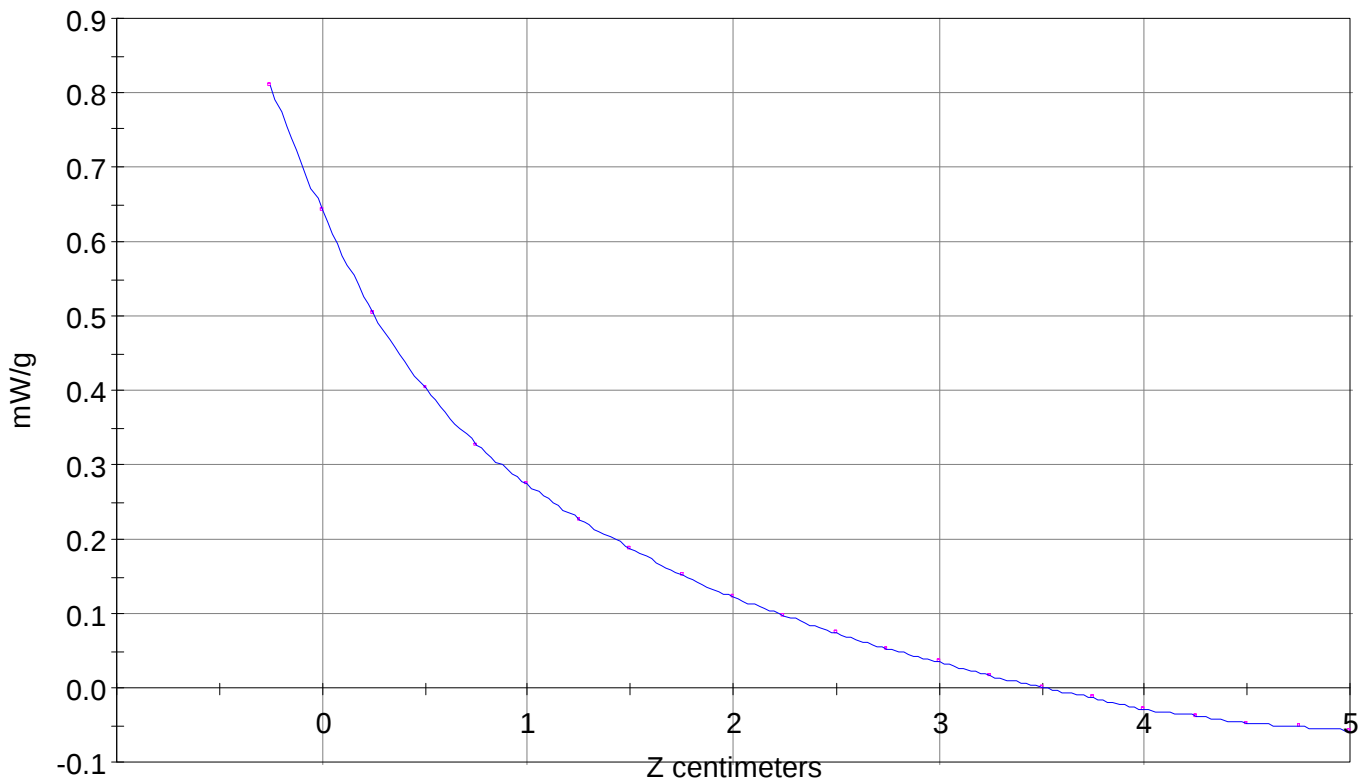
Calc. Voltage @ Surface (Vs) = 0.0111

Voltage @ 1.00 cm (Vt) = 0.0045

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

Ave. SAR over 1 g (mW/g) = 0.5682

SAR Scan
File : 99032221_ZOOM
Start : 22-Mar-99 04:01:23 pm End : 22-Mar-99 04:09:56 pm
HYUNDAI/CKLHGC-130S/HGC130S02;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/99032220_ZOOM.VLT
Start : 22-Mar-99 03:47:58 pm End : 22-Mar-99 03:56:31 pm

Radio Type : HYUNDAI
Model Number : CKLHGC-130S
Serial Number : HGC130S02
Frequency : 836.49 MHz
Peak Trans. Pwr : 0.200 W
Start Trans. Pwr: 0.200 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 CDMA 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

Diode Coefficients:

Channel 1	An=-10.851	Bn=86.223	Cn=38.593	Dn=-0.016	Mn=0.026	Yn=0.000
Channel 2	An=-21.618	Bn=92.335	Cn=34.909	Dn=-0.019	Mn=0.029	Yn=0.000
Channel 3	An=-11.171	Bn=50.619	Cn=19.002	Dn=-0.025	Mn=0.052	Yn=0.001

Max Location : X = 2.750, Y = -2.250, Z = 0.000 (cm) Value = 7.525

Measured Values (volts) =

7.448E-003	5.799E-003	4.611E-003	3.808E-003	3.187E-003	2.588E-003
2.162E-003	1.757E-003	1.396E-003	1.056E-003	7.721E-004	4.887E-004
2.655E-004	3.521E-005	-1.698E-004	-3.539E-004	-5.216E-004	-6.180E-004
-7.257E-004	-7.788E-004	-7.899E-004			

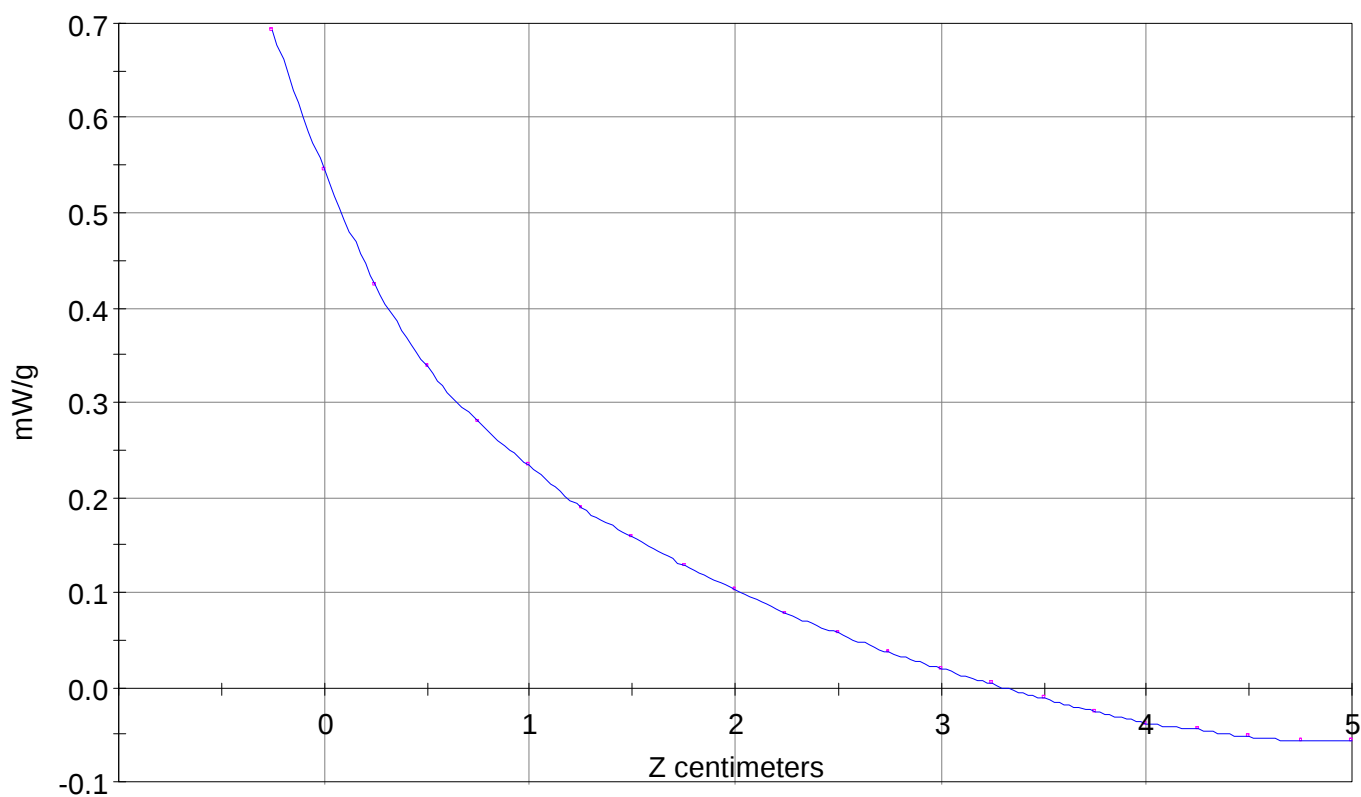
Calc. Voltage @ Surface (Vs) = 0.0095

Voltage @ 1.00 cm (Vt) = 0.0038

Ave. Voltage (Vs+Vt)/2 = 0.0066

Ave. SAR over 1 g (mW/g) = 0.4855

SAR Scan
File : 99032220_ZOOM
Start : 22-Mar-99 03:47:58 pm End : 22-Mar-99 03:56:31 pm
HYUNDAI/CKLHGC-130S/HGC130S02;836.49MHz;W;Helical/Out;
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/43.400/0.900



File : c:/idx3/SYSTEM/SARMEAS3/data/Normal/99032222_ZOOM.VLT
Start : 22-Mar-99 04:24:25 pm End : 22-Mar-99 04:33:00 pm

Radio Type : HYUNDAI
Model Number : CKLHGC-130S
Serial Number : HGC130S02
Frequency : 848.97 MHz
Peak Trans. Pwr : 0.200 W
Start Trans. Pwr: 0.200 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 CDMA PHONE
CHANNEL 799 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

Diode Coefficients:

Channel 1	An=-10.851	Bn=86.223	Cn=38.593	Dn=-0.016	Mn=0.026	Yn=0.000
Channel 2	An=-21.618	Bn=92.335	Cn=34.909	Dn=-0.019	Mn=0.029	Yn=0.000
Channel 3	An=-11.171	Bn=50.619	Cn=19.002	Dn=-0.025	Mn=0.052	Yn=0.001

Max Location : X = 2.750, Y = -2.750, Z = 0.000 (cm) Value = 10.546

Measured Values (volts) =

1.084E-002	8.137E-003	6.720E-003	5.454E-003	4.623E-003	3.918E-003
3.287E-003	2.744E-003	2.284E-003	1.740E-003	-6.949E-004	1.116E-003
7.964E-004	4.660E-004	2.663E-004	-1.049E-004	-2.488E-004	-4.605E-004
-5.716E-004	-6.574E-004	-6.747E-004			

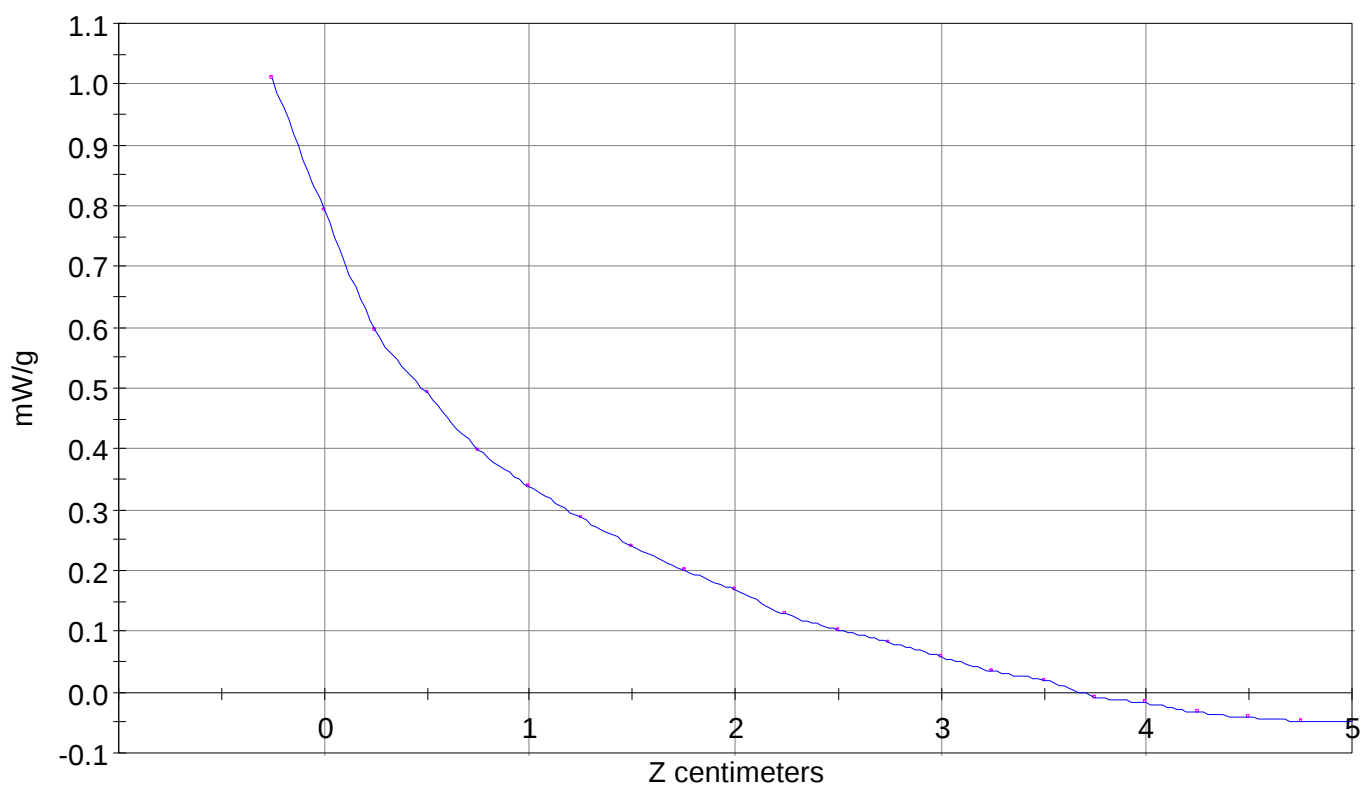
Calc. Voltage @ Surface (Vs) = 0.0138

Voltage @ 1.00 cm (Vt) = 0.0055

Ave. Voltage (Vs+Vt)/2 = 0.0096

Ave. SAR over 1 g (mW/g) = 0.7034

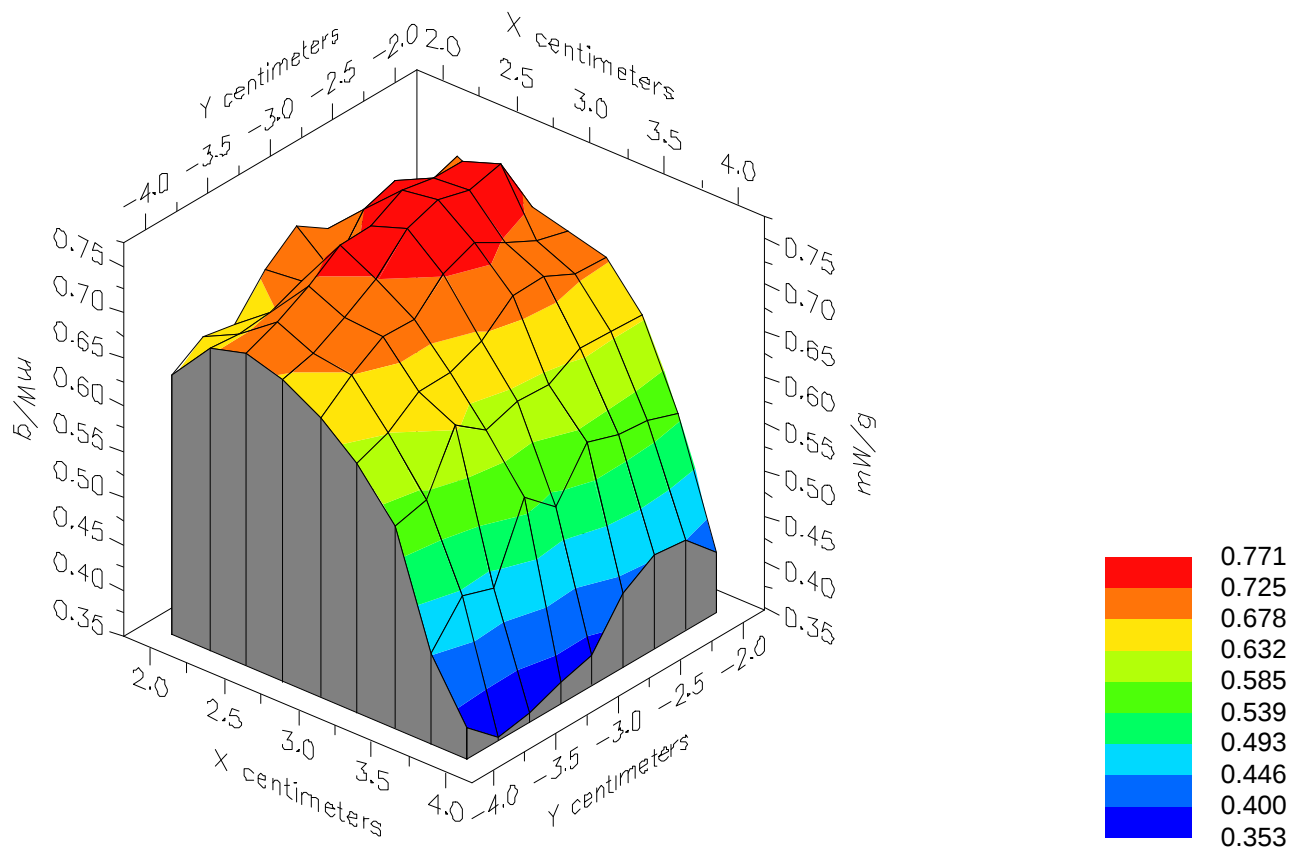
SAR Scan
File : 99032222_ZOOM
Start : 22-Mar-99 04:24:25 pm End : 22-Mar-99 04:33:00 pm
HYUNDAI/CKLHGC-130S/HGC130S02;848.97MHz;W;Helical/In;
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/43.400/0.900



File : 99032222_ZOOM

Start : 22-Mar-99 04:24:25 pm End : 22-Mar-99 04:33:00 pm

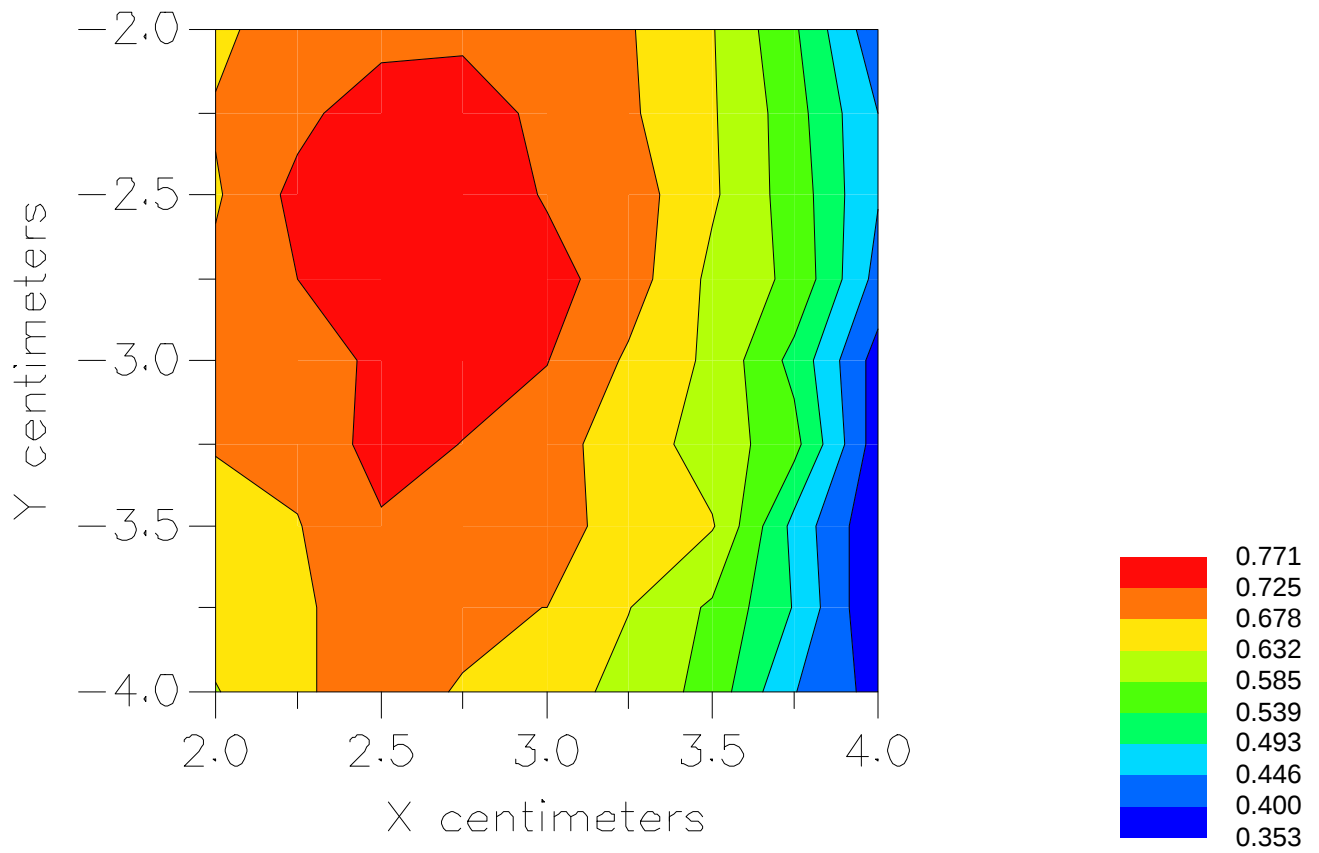
HYUNDAI/CKLHGC-130S/HGC130S02;848.97MHz;W;Helical/In;
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/43.400/0.900



File : 99032222_ZOOM

Start : 22-Mar-99 04:24:25 pm End : 22-Mar-99 04:33:00 pm

HYUNDAI/CKLHGC-130S/HGC130S02;848.97MHz;W;Helical/In;
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/43.400/0.900



File : c:/idx3/SYSTEM/SARMEAS3/data/Normal/99032223_ZOOM.VLT
Start : 22-Mar-99 04:46:33 pm End : 22-Mar-99 04:47:22 pm

Radio Type : HYUNDAI
Model Number : CKLHGC-130S
Serial Number : HGC130S02
Frequency : 848.97 MHz
Peak Trans. Pwr : 0.200 W
Start Trans. Pwr: 0.200 W
Antenna Type : Helical
Antenna Posn. : Out
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 CDMA PHONE
CHANNEL 799 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

Diode Coefficients:

Channel 1	An=-10.851	Bn=86.223	Cn=38.593	Dn=-0.016	Mn=0.026	Yn=0.000
Channel 2	An=-21.618	Bn=92.335	Cn=34.909	Dn=-0.019	Mn=0.029	Yn=0.000
Channel 3	An=-11.171	Bn=50.619	Cn=19.002	Dn=-0.025	Mn=0.052	Yn=0.001

Max Location : X = 2.750, Y = -2.250, Z = 0.000 (cm) Value = 8.274

Measured Values (volts) =

8.054E-003	5.892E-003	4.723E-003	3.840E-003	3.207E-003	2.687E-003
2.278E-003	1.788E-003	1.465E-003	1.192E-003	8.076E-004	7.804E-004
3.171E-004	4.303E-005	-1.476E-004	-3.514E-004	-5.178E-004	-6.149E-004
-7.225E-004	-7.472E-004	-7.427E-004			

Calc. Voltage @ Surface (Vs) = 0.0105

Voltage @ 1.00 cm (Vt) = 0.0038

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

Ave. SAR over 1 g (mW/g) = 0.5255

SAR Scan

File : 99032224_ZOOM

Start : 22-Mar-99 04:46:33 pm End : 22-Mar-99 04:47:22 pm
HYUNDAI/CKLHGC-130S/HGC130S02;848.97MHz;W;Helical/Out;
Head/Left Ear;SAR;PCTEST/E Field/0 DegreesBrain/43.400/0.900

