

File : c:/idx3/SYSTEM/SARMEAS3/data/Normal/98122216_ZOOM.VLT
Start : 22-Dec-98 03:17:06 pm End : 22-Dec-98 03:24:27 pm

Radio Type : HYUNDAI
Model Number : HGC200D
Serial Number : HGC-200D3
Frequency : 824.04 MHz
Peak Trans. Pwr : 0.600 W
Start Trans. Pwr: 0.600 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 991 FM 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 = -1.500, Z = 0.000 (cm) Value = 19.850

Measured Values (volts) =
1.889E-002 1.587E-002 1.344E-002 1.155E-002 9.970E-003 8.921E-003
8.135E-003 7.471E-003 6.783E-003 6.062E-003 5.302E-003 4.447E-003
3.527E-003 2.770E-003 2.130E-003 1.829E-003 1.692E-003 1.776E-003
1.980E-003 2.167E-003 2.239E-003

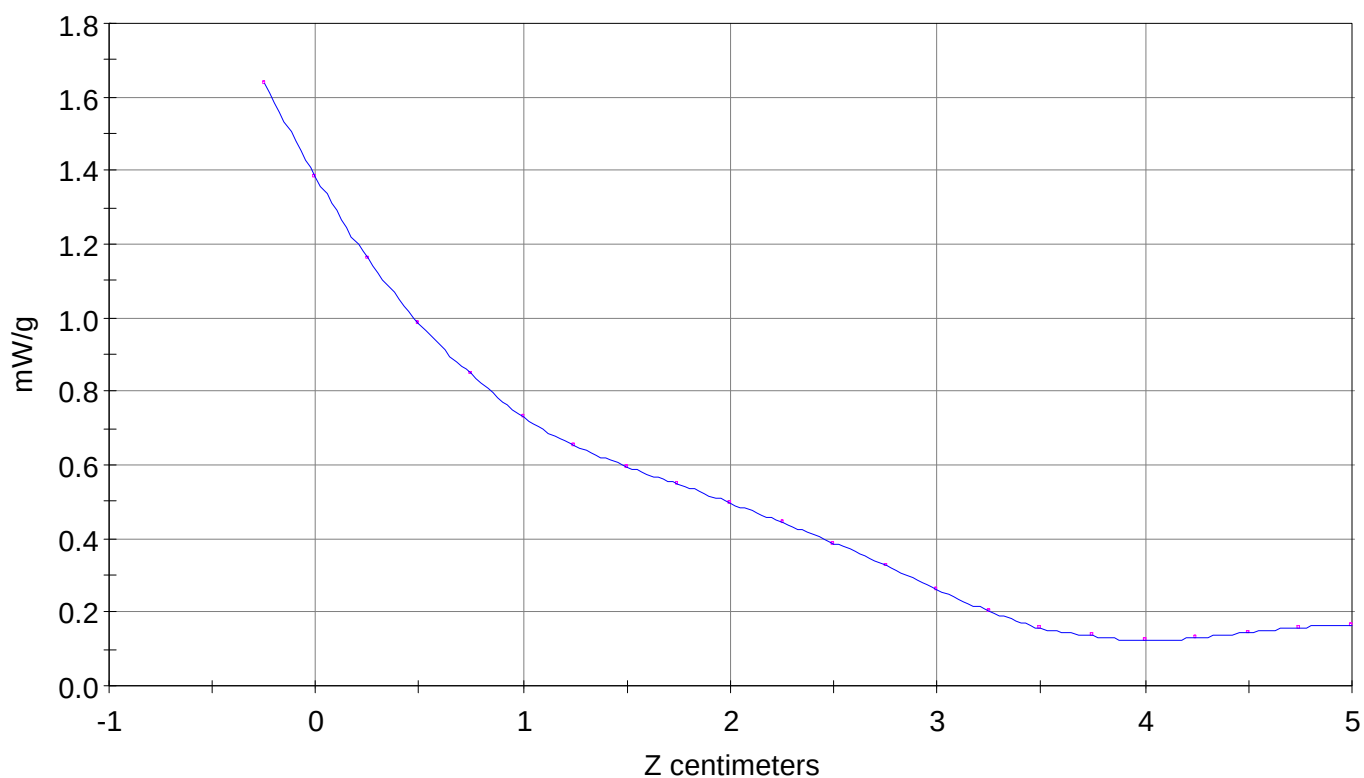
Calc. Voltage @ Surface (Vs) = 0.0224

Voltage @ 1.00 cm (Vt) = 0.0116

Ave. Voltage (Vs+Vt)/2 = 0.0170

Ave. SAR over 1 g (mW/g) = 1.2416

SAR Scan
File : 98122216_ZOOM
Start : 22-Dec-98 03:17:06 pm End : 22-Dec-98 03:24:27 pm
HYUNDAI/HGC200D/HGC-200D3;824.04MHz;W;Helical/In;
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/43.400/0.900

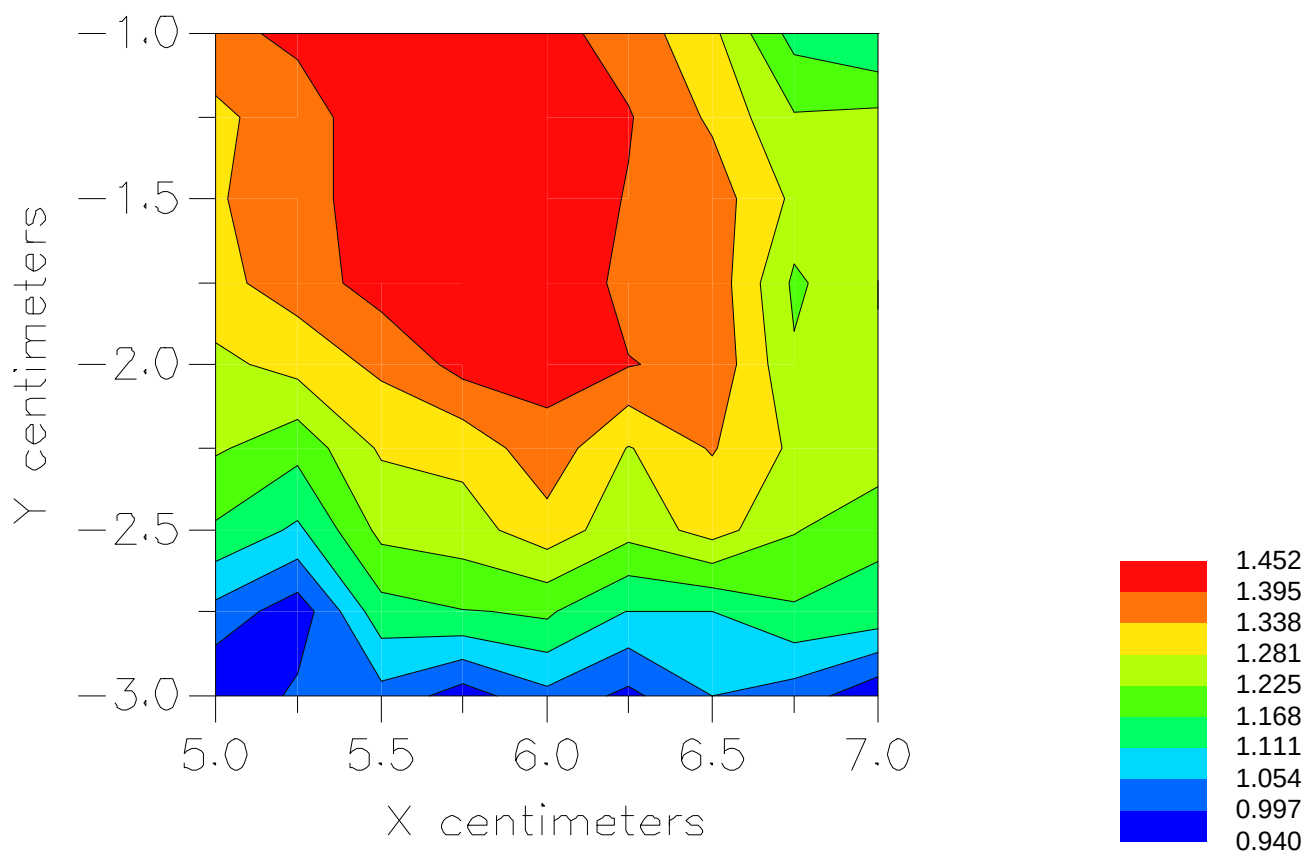


File : 98122216_ZOOM

Start : 22-Dec-98 03:17:06 pm End : 22-Dec-98 03:24:27 pm

HYUNDAI/HGC200D/HGC-200D3;824.04MHz;W;Helical/In;

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

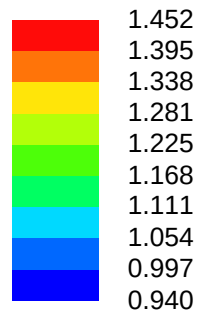
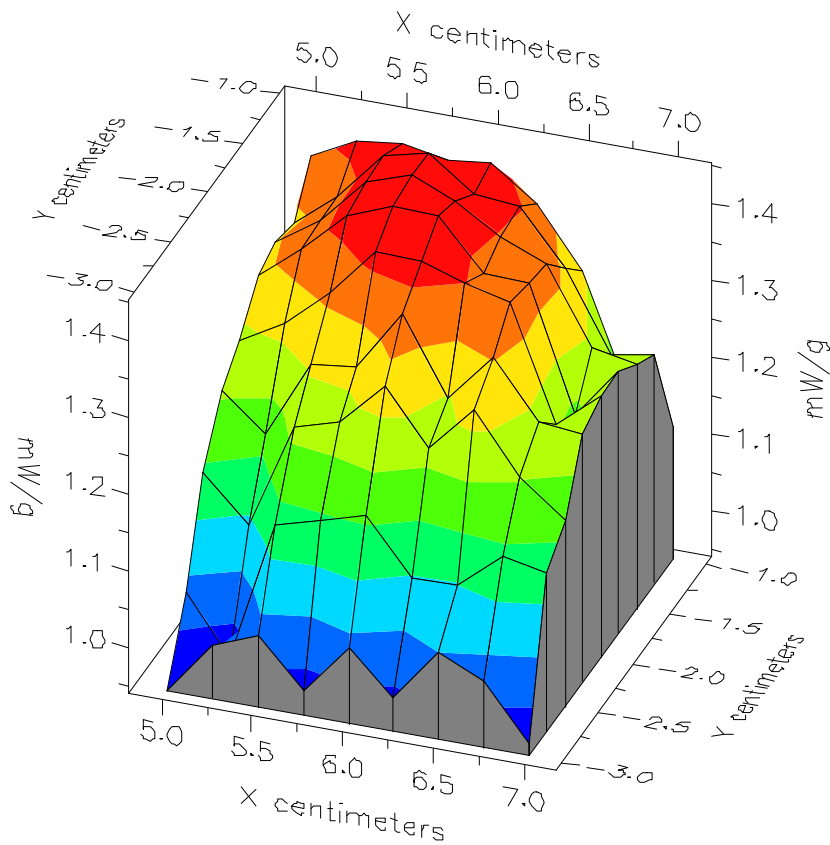


File : 98122216_ZOOM

Start : 22-Dec-98 03:17:06 pm End : 22-Dec-98 03:24:27 pm

HYUNDAI/HGC200D/HGC-200D3;824.04MHz;W;Helical/In;

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



File : c:/idx3/SYSTEM/SARMEAS3/data/Normal/98122217_ZOOM.VLT
Start : 22-Dec-98 03:32:19 pm End : 22-Dec-98 03:39:41 pm

Radio Type : HYUNDAI
Model Number : HGC200D
Serial Number : HGC-200D3
Frequency : 824.04 MHz
Peak Trans. Pwr : 0.600 W
Start Trans. Pwr: 0.600 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 991 FM 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 = -1.750, Z = 0.000 (cm) Value = 8.896

Measured Values (volts) =
8.540E-003 7.454E-003 6.405E-003 5.575E-003 4.942E-003 4.479E-003
4.120E-003 3.784E-003 3.456E-003 3.142E-003 2.770E-003 2.424E-003
1.991E-003 1.693E-003 1.483E-003 1.351E-003 1.344E-003 1.408E-003
1.474E-003 1.548E-003 1.612E-003

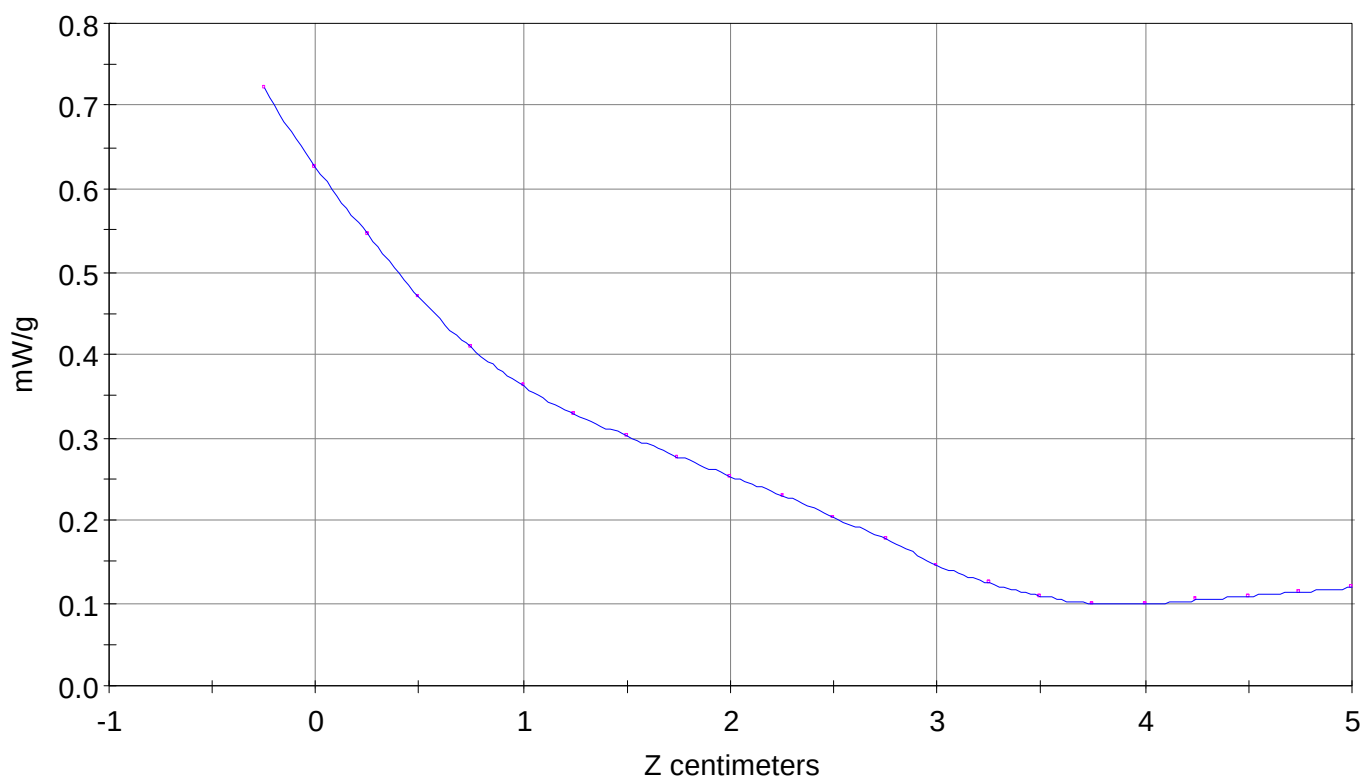
Calc. Voltage @ Surface (Vs) = 0.0099

Voltage @ 1.00 cm (Vt) = 0.0056

Ave. Voltage (Vs+Vt)/2 = 0.0077

Ave. SAR over 1 g (mW/g) = 0.5646

SAR Scan
File : 98122217_ZOOM
Start : 22-Dec-98 03:32:19 pm End : 22-Dec-98 03:39:41 pm
HYUNDAI/HGC200D/HGC-200D3;824.04MHz;W;Helical/Out;
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/43.400/0.900



File : c:/idx3/SYSTEM/SARMEAS3/data/Normal/98122214_ZOOM.VLT
Start : 22-Dec-98 01:01:39 pm End : 22-Dec-98 01:09:13 pm

Radio Type : HYUNDAI
Model Number : HGC200D
Serial Number : HGC-200D3
Frequency : 836.49 MHz
Peak Trans. Pwr : 0.600 W
Start Trans. Pwr: 0.600 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 383 FM 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 = -1.250, Z = 0.000 (cm) Value = 16.258

Measured Values (volts) =
1.496E-002 1.236E-002 1.027E-002 8.595E-003 7.322E-003 6.364E-003
5.820E-003 5.294E-003 4.759E-003 4.198E-003 3.572E-003 2.832E-003
2.227E-003 1.554E-003 1.075E-003 8.300E-004 7.366E-004 7.909E-004
9.642E-004 1.142E-003 1.242E-003

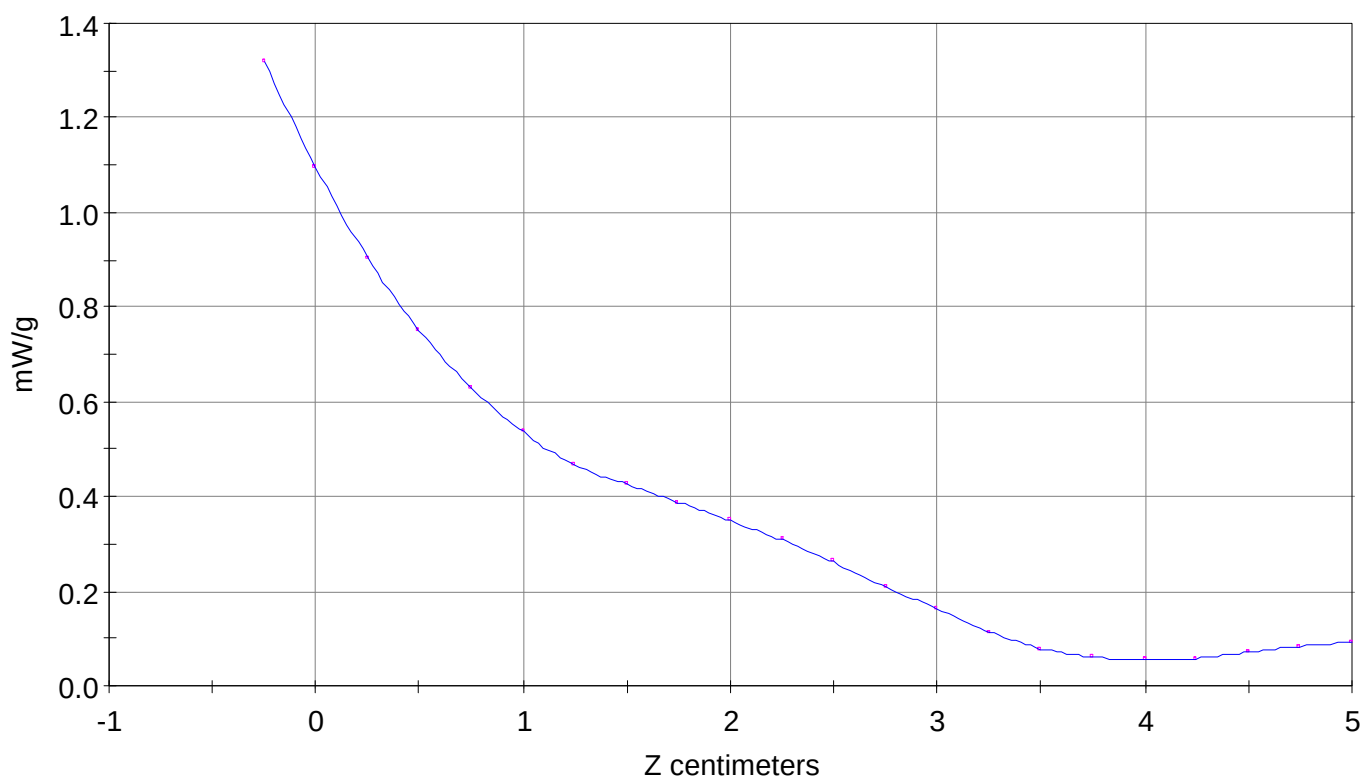
Calc. Voltage @ Surface (Vs) = 0.0181

Voltage @ 1.00 cm (Vt) = 0.0086

Ave. Voltage (Vs+Vt)/2 = 0.0133

Ave. SAR over 1 g (mW/g) = 0.9745

SAR Scan
File : 98122214_ZOOM
Start : 22-Dec-98 01:01:39 pm End : 22-Dec-98 01:09:13 pm
CKL/HGC200D/HGC-200D3;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/98122215_ZOOM.VLT
Start : 22-Dec-98 02:57:01 pm End : 22-Dec-98 03:07:44 pm

Radio Type : HYUNDAI
Model Number : HGC200D
Serial Number : HGC-200D3
Frequency : 836.49 MHz
Peak Trans. Pwr : 0.600 W
Start Trans. Pwr: 0.600 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 383 FM 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 = 6.250, Y = -1.250, Z = 0.000 (cm) Value = 8.186

Measured Values (volts) =
7.824E-003 6.586E-003 5.533E-003 4.789E-003 4.235E-003 3.842E-003
3.611E-003 3.338E-003 3.126E-003 2.863E-003 2.551E-003 2.246E-003
1.913E-003 1.696E-003 1.477E-003 1.339E-003 1.284E-003 1.354E-003
1.449E-003 1.504E-003 1.543E-003

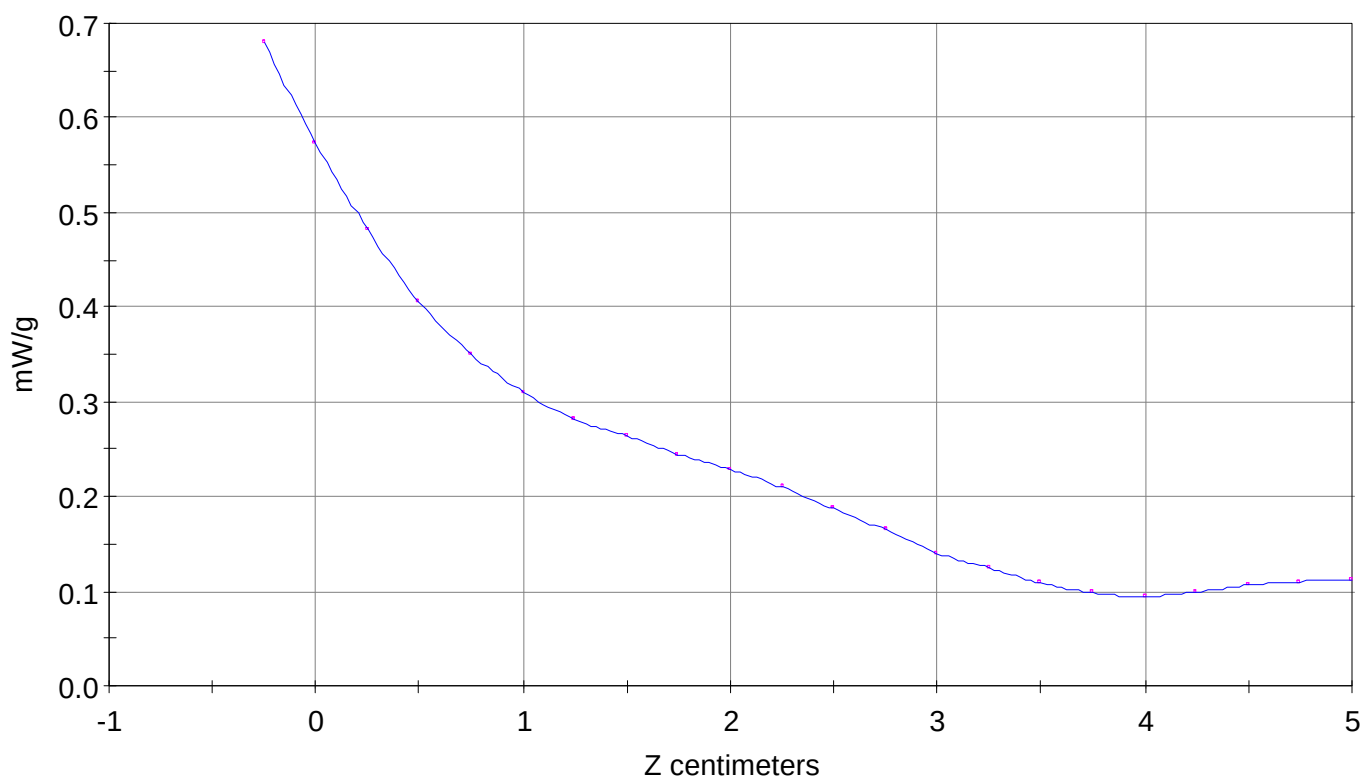
Calc. Voltage @ Surface (Vs) = 0.0093

Voltage @ 1.00 cm (Vt) = 0.0048

Ave. Voltage (Vs+Vt)/2 = 0.0070

Ave. SAR over 1 g (mW/g) = 0.5154

SAR Scan
File : 98122215_ZOOM
Start : 22-Dec-98 02:57:01 pm End : 22-Dec-98 03:07:44 pm
HYUNDAI/HGC200D/HGC-200D3;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/98122218_ZOOM.VLT
Start : 22-Dec-98 03:49:46 pm End : 22-Dec-98 03:57:08 pm

Radio Type : HYUNDAI
Model Number : HGC200D
Serial Number : HGC-200D3
Frequency : 848.97 MHz
Peak Trans. Pwr : 0.600 W
Start Trans. Pwr: 0.600 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 799 FM 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 = -1.750, Z = 0.000 (cm) Value = 11.142

Measured Values (volts) =
1.073E-002 9.046E-003 7.421E-003 6.282E-003 5.365E-003 4.633E-003
4.191E-003 3.697E-003 3.296E-003 2.904E-003 2.485E-003 1.967E-003
1.522E-003 1.056E-003 7.213E-004 5.064E-004 4.555E-004 5.109E-004
6.471E-004 7.391E-004 7.909E-004

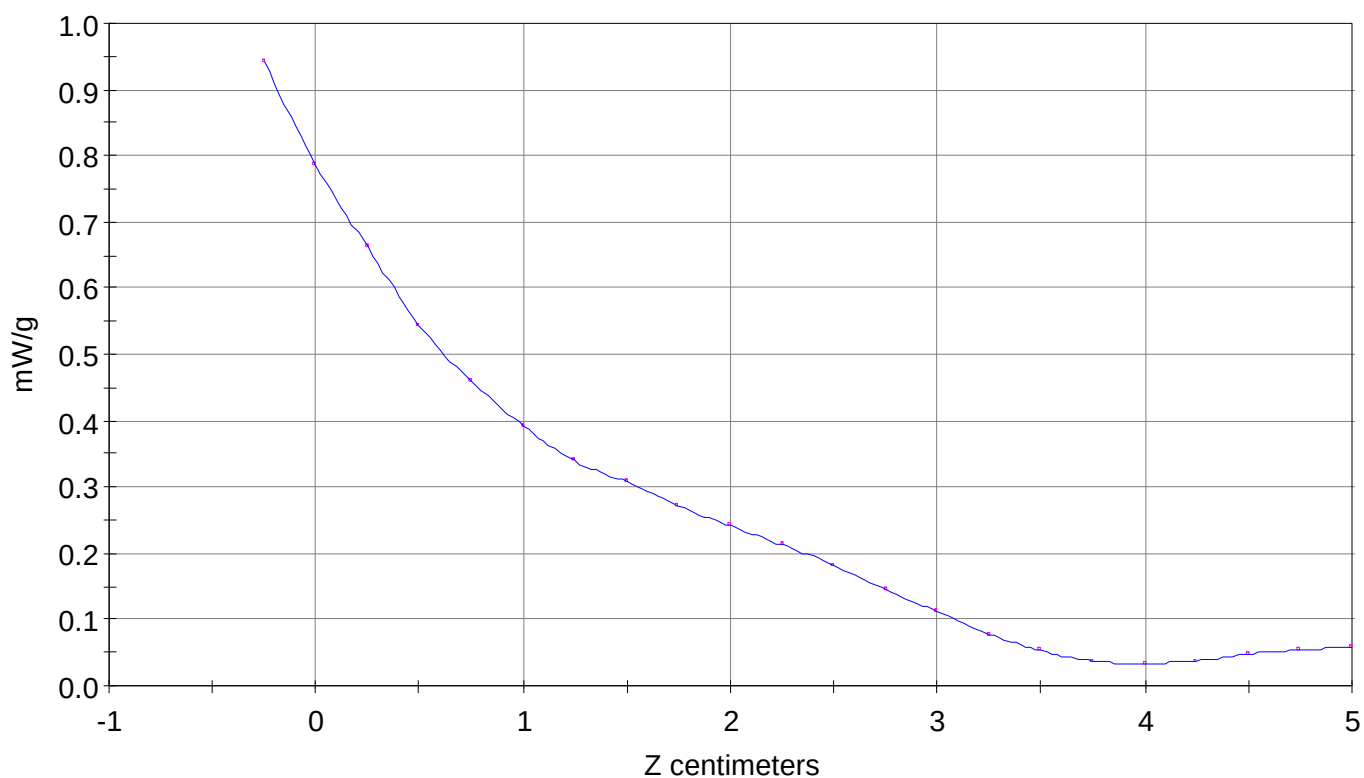
Calc. Voltage @ Surface (Vs) = 0.0129

Voltage @ 1.00 cm (Vt) = 0.0063

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

Ave. SAR over 1 g (mW/g) = 0.7017

SAR Scan
File : 98122218_ZOOM
Start : 22-Dec-98 03:49:46 pm End : 22-Dec-98 03:57:08 pm
HYUNDAI/HGC200D/HGC-200D3;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/98122220_ZOOM.VLT
Start : 22-Dec-98 04:14:50 pm End : 22-Dec-98 04:15:43 pm

Radio Type : HYUNDAI
Model Number : HGC200D
Serial Number : HGC-200D3
Frequency : 848.97 MHz
Peak Trans. Pwr : 0.600 W
Start Trans. Pwr: 0.600 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 DUAL MODE PHONE
CHANNEL 799 FM 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 = 6.250, Y = -1.250, Z = 0.000 (cm) Value = 5.517

Measured Values (volts) =
5.759E-003 5.095E-003 4.047E-003 3.326E-003 2.861E-003 2.517E-003
2.248E-003 1.981E-003 1.785E-003 1.621E-003 1.376E-003 1.116E-003
8.676E-004 6.468E-004 4.577E-004 3.183E-004 3.053E-004 3.112E-004
3.671E-004 3.875E-004 4.601E-004

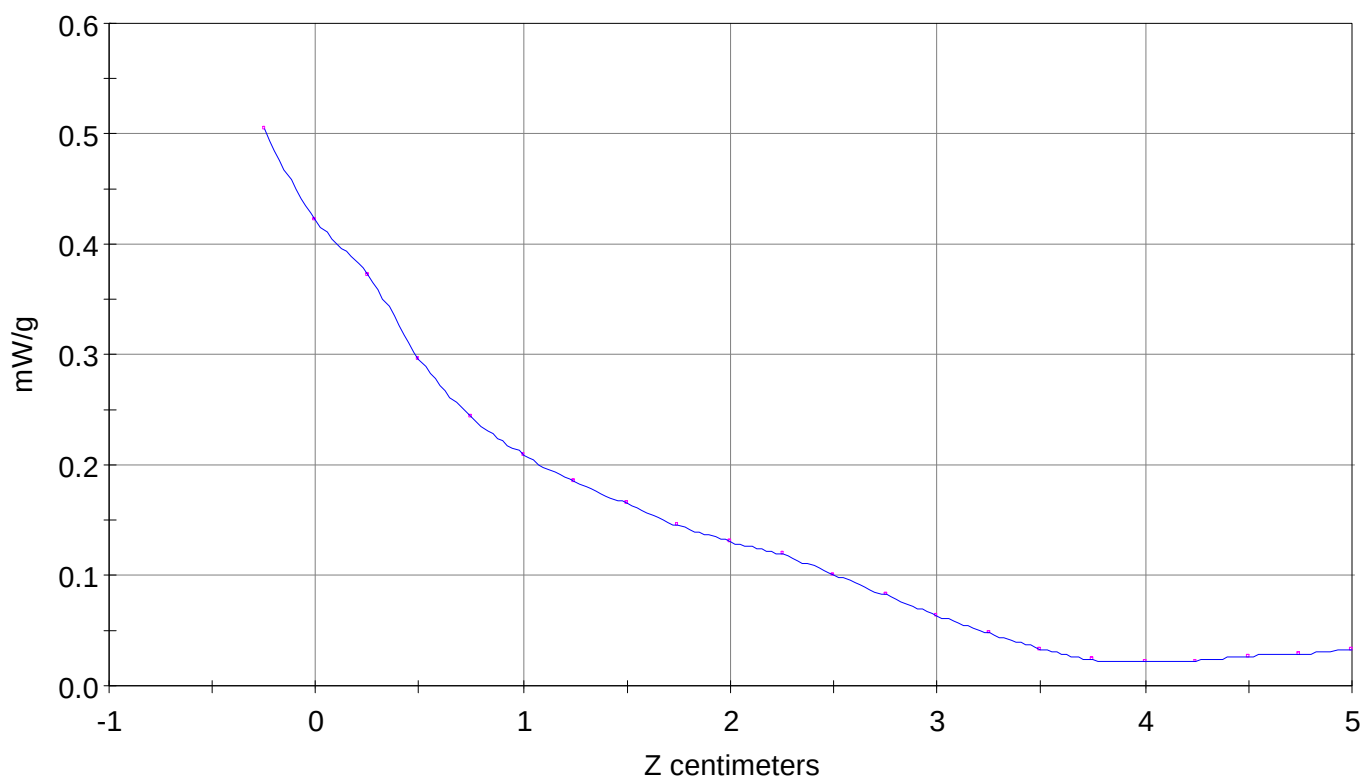
Calc. Voltage @ Surface (Vs) = 0.0069

Voltage @ 1.00 cm (Vt) = 0.0033

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

Ave. SAR over 1 g (mW/g) = 0.3731

SAR Scan
File : 98122220_ZOOM
Start : 22-Dec-98 04:14:50 pm End : 22-Dec-98 04:15:43 pm
HYUNDAI/HGC200D/HGC-200D3;848.97MHz;W;Helical/Out;
Head/Left Ear;SAR;PCTEST/E Field/0 DegreesBrain/43.400/0.900



File : c:/idx3/SYSTEM/SARMEAS3/data/Normal/98122221_ZOOM.VLT
Start : 22-Dec-98 04:24:58 pm End : 22-Dec-98 04:32:19 pm

Radio Type : HYUNDAI
Model Number : HGC200D
Serial Number : HGC-200D3
Frequency : 824.64 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 = 6.500, Y = -1.500, Z = 0.000 (cm) Value = 11.804

Measured Values (volts) =
1.168E-002 9.563E-003 7.846E-003 6.471E-003 5.511E-003 4.823E-003
4.267E-003 3.856E-003 3.402E-003 2.885E-003 2.414E-003 1.889E-003
1.341E-003 1.605E-004 6.867E-004 5.962E-004 5.367E-004 6.116E-004
7.134E-004 8.367E-004 8.183E-004

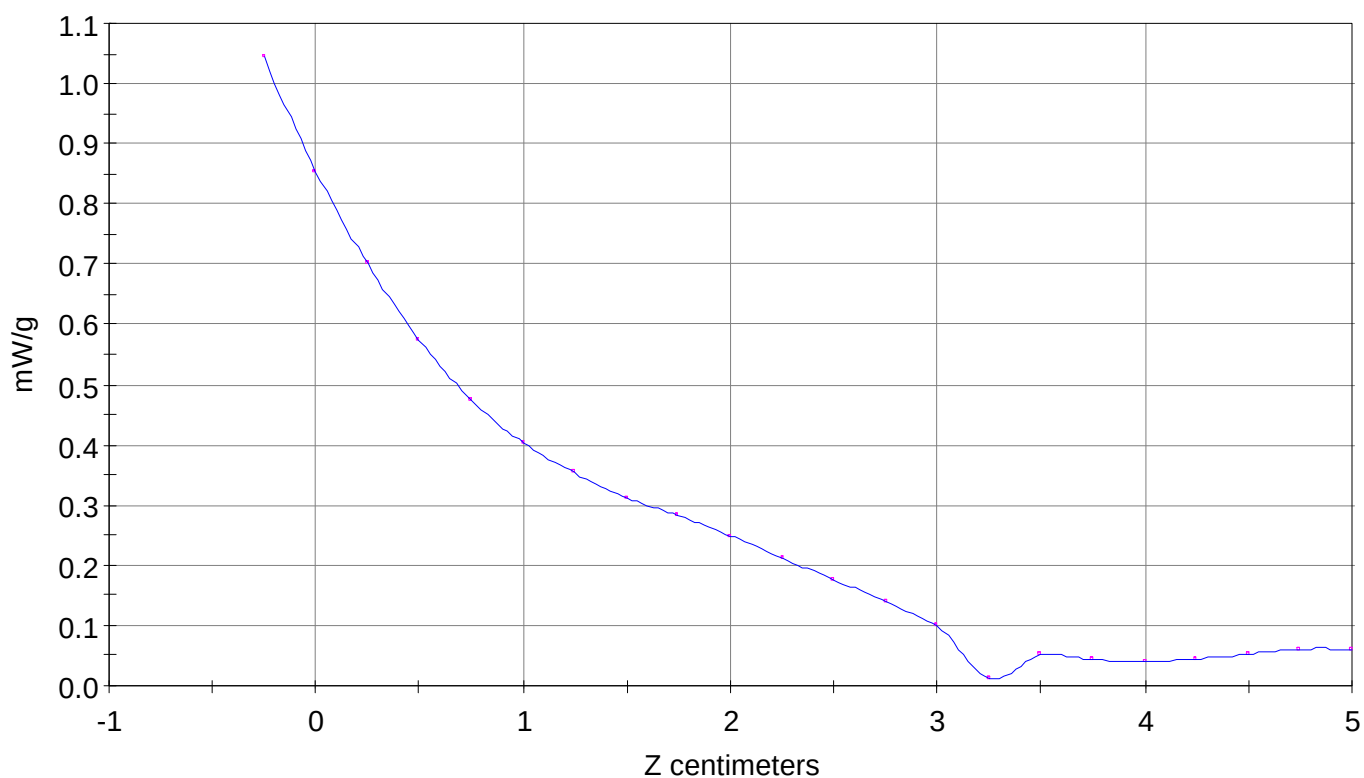
Calc. Voltage @ Surface (Vs) = 0.0142

Voltage @ 1.00 cm (Vt) = 0.0065

Ave. Voltage (Vs+Vt)/2 = 0.0104

Ave. SAR over 1 g (mW/g) = 0.7578

SAR Scan
File : 98122221_ZOOM
Start : 22-Dec-98 04:24:58 pm End : 22-Dec-98 04:32:19 pm
HYUNDAI/HGC200D/HGC-200D3;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/98122222_ZOOM.VLT
Start : 22-Dec-98 04:40:11 pm End : 22-Dec-98 04:47:33 pm

Radio Type : HYUNDAI
Model Number : HGC200D
Serial Number : HGC-200D3
Frequency : 824.64 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 = 6.250, Y = -1.250, Z = 0.000 (cm) Value = 4.856

Measured Values (volts) =
4.514E-003 3.769E-003 3.115E-003 2.544E-003 2.209E-003 1.894E-003
1.737E-003 1.528E-003 1.365E-003 1.201E-003 9.979E-004 7.732E-004
5.940E-004 4.311E-004 3.100E-004 2.054E-004 1.935E-004 2.394E-004
2.899E-004 3.242E-004 3.538E-004

Calc. Voltage @ Surface (Vs) = 0.0054

Voltage @ 1.00 cm (Vt) = 0.0025

Ave. Voltage (Vs+Vt)/2 = 0.0040

Ave. SAR over 1 g (mW/g) = 0.2918

SAR Scan
File : 98122222_ZOOM
Start : 22-Dec-98 04:40:11 pm End : 22-Dec-98 04:47:33 pm
HYUNDAI/HGC200D/HGC-200D3;824.64MHz;W;Helical/Out;
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/43.400/0.900

