

File : c:/idx3/SYSTEM/SARMEAS3/data/Normal/00031312_ZOOM.VLT
Start : 13-Mar-100 03:12:02 pm End : 13-Mar-100 03:18:12 pm

FCC ID : CKLHGC-300E
HYUNDAI Model No: HGC-300E
Serial Number : 001
Frequency : 824.04 MHz
Peak Trans. Pwr : 0.630 W
Start Trans. Pwr: 0.630 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
CHAN. 991 FM MODE FCC ID:CKLHGC-300E
CONDUCTED PWR:28.00 dBm

Robot : PCTEST

Probe Offset = 0.25 cm
Sensor Factor = 0.0108
Conversion Factor = 0.788

PCTEST Amplifier Channel Settings : 0.166 0.135 0.132

Max Location : X = 3.250, Y = -4.000, Z = 0.000 (cm) Value = 20.341

Measured Values (volts) =
1.755E-002 1.513E-002 1.280E-002 1.077E-002 9.238E-003 7.781E-003
6.669E-003 5.846E-003 5.136E-003 4.604E-003 4.297E-003 3.915E-003
3.574E-003 3.219E-003 2.856E-003 2.371E-003 1.994E-003 1.567E-003
1.255E-003 9.968E-004 8.566E-004

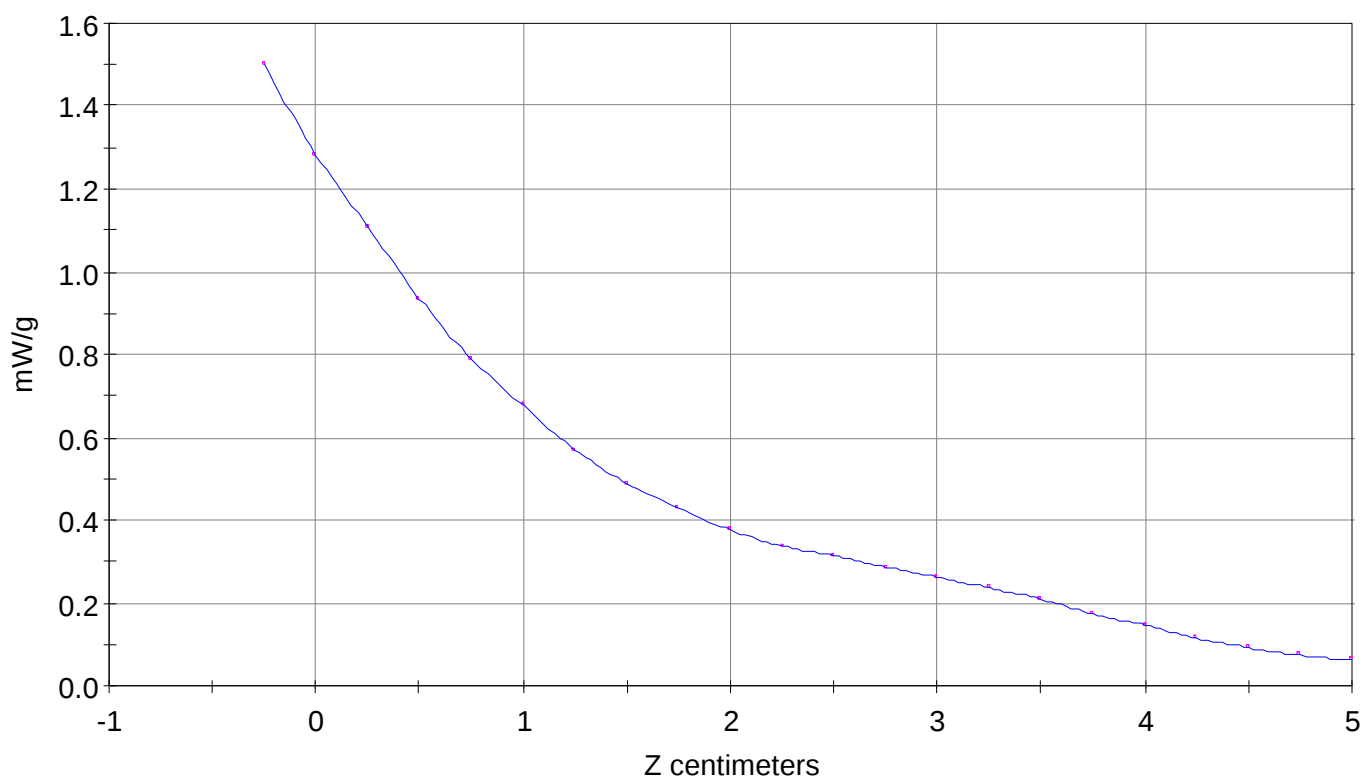
Calc. Voltage @ Surface (Vs) = 0.0206

Voltage @ 1.00 cm (Vt) = 0.0108

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

Ave. SAR over 1 g (mW/g) = 1.1456

SAR Scan
File : 00031312_ZOOM
Start : 13-Mar-100 03:12:02 pm End : 13-Mar-100 03:18:12 pm
HYUNDAI/HGC-300E/001;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/00031302_ZOOM.VLT
Start : 13-Mar-100 10:28:14 am End : 13-Mar-100 10:34:28 am

FCC ID : CKLHGC-300E
HYUNDAI Model No: HGC-300E
Serial Number : 001
Frequency : 824.04 MHz
Peak Trans. Pwr : 0.630 W
Start Trans. Pwr: 0.630 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
CHAN. 991 FM MODE FCC ID:CKLHGC-300E
CONDUCTED PWR:28.00 dBm

Robot : PCTEST

Probe Offset = 0.25 cm
Sensor Factor = 0.0108
Conversion Factor = 0.788

PCTEST Amplifier Channel Settings : 0.166 0.135 0.132

Max Location : X = 4.000, Y = -4.500, Z = 0.000 (cm) Value = 15.826

Measured Values (volts) =
1.545E-002 1.297E-002 1.067E-002 8.966E-003 7.571E-003 6.570E-003
5.660E-003 4.957E-003 4.432E-003 4.002E-003 3.637E-003 3.326E-003
2.998E-003 2.661E-003 2.277E-003 1.946E-003 1.592E-003 1.271E-003
1.060E-003 8.870E-004 7.801E-004

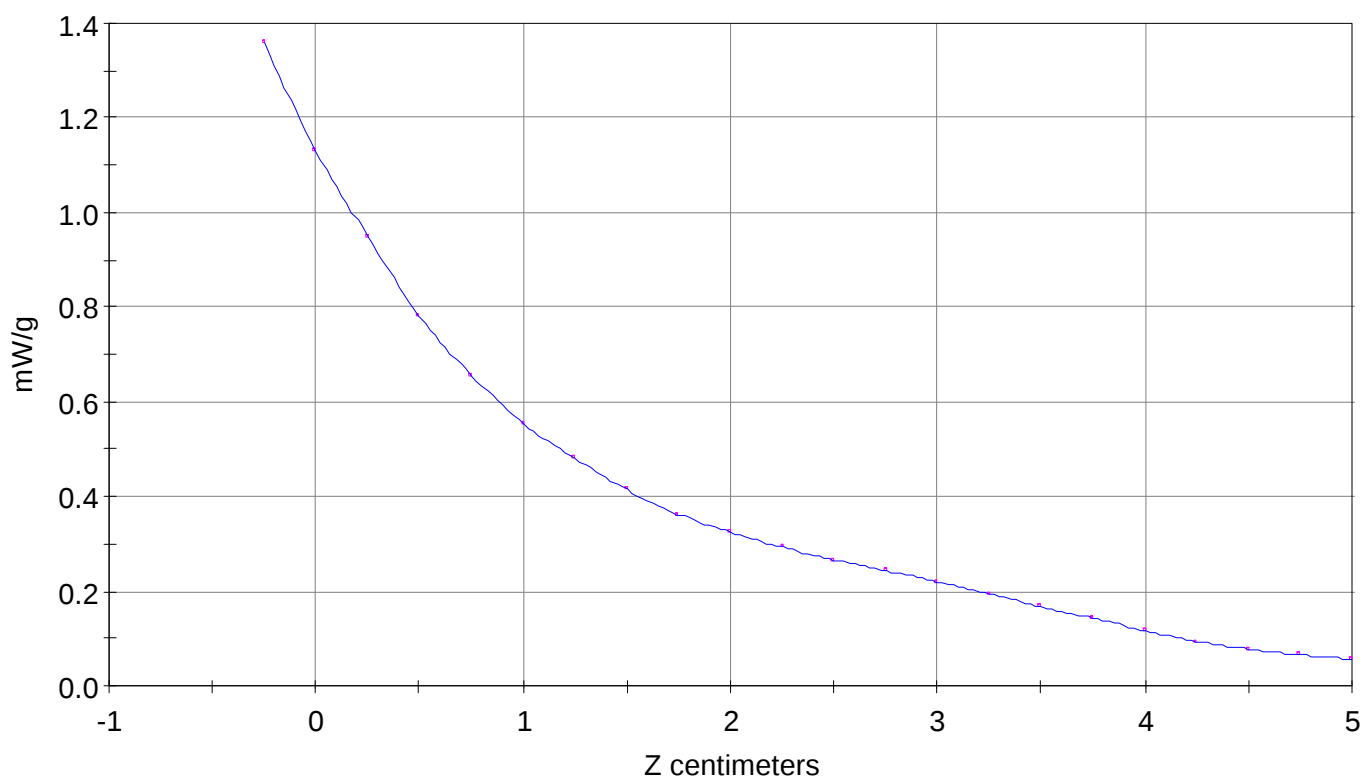
Calc. Voltage @ Surface (Vs) = 0.0186

Voltage @ 1.00 cm (Vt) = 0.0090

Ave. Voltage (Vs+Vt)/2 = 0.0138

Ave. SAR over 1 g (mW/g) = 1.0083

SAR Scan
File : 00031302_ZOOM
Start : 13-Mar-100 10:28:14 am End : 13-Mar-100 10:34:28 am
HYUNDAI/HGC-300E/001;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/00031303_ZOOM.VLT
Start : 13-Mar-100 10:51:43 am End : 13-Mar-100 11:02:01 am

FCC ID : CKLHGC-300E
HYUNDAI Model No: HGC-300E
Serial Number : 001
Frequency : 836.49 MHz
Peak Trans. Pwr : 0.630 W
Start Trans. Pwr: 0.630 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
CHAN. 383 FM MODE FCC ID:CKLHGC-300E
CONDUCTED PWR:28.00 dBm

Robot : PCTEST

Probe Offset = 0.25 cm
Sensor Factor = 0.0108
Conversion Factor = 0.788

PCTEST Amplifier Channel Settings : 0.166 0.135 0.132

Max Location : X = 3.500, Y = -4.000, Z = 0.000 (cm) Value = 20.098

Measured Values (volts) =
2.049E-002 1.766E-002 1.480E-002 1.248E-002 1.058E-002 9.048E-003
7.760E-003 6.783E-003 5.970E-003 5.370E-003 4.892E-003 4.544E-003
4.138E-003 3.776E-003 3.307E-003 2.870E-003 2.417E-003 1.903E-003
1.497E-003 1.170E-003 1.019E-003

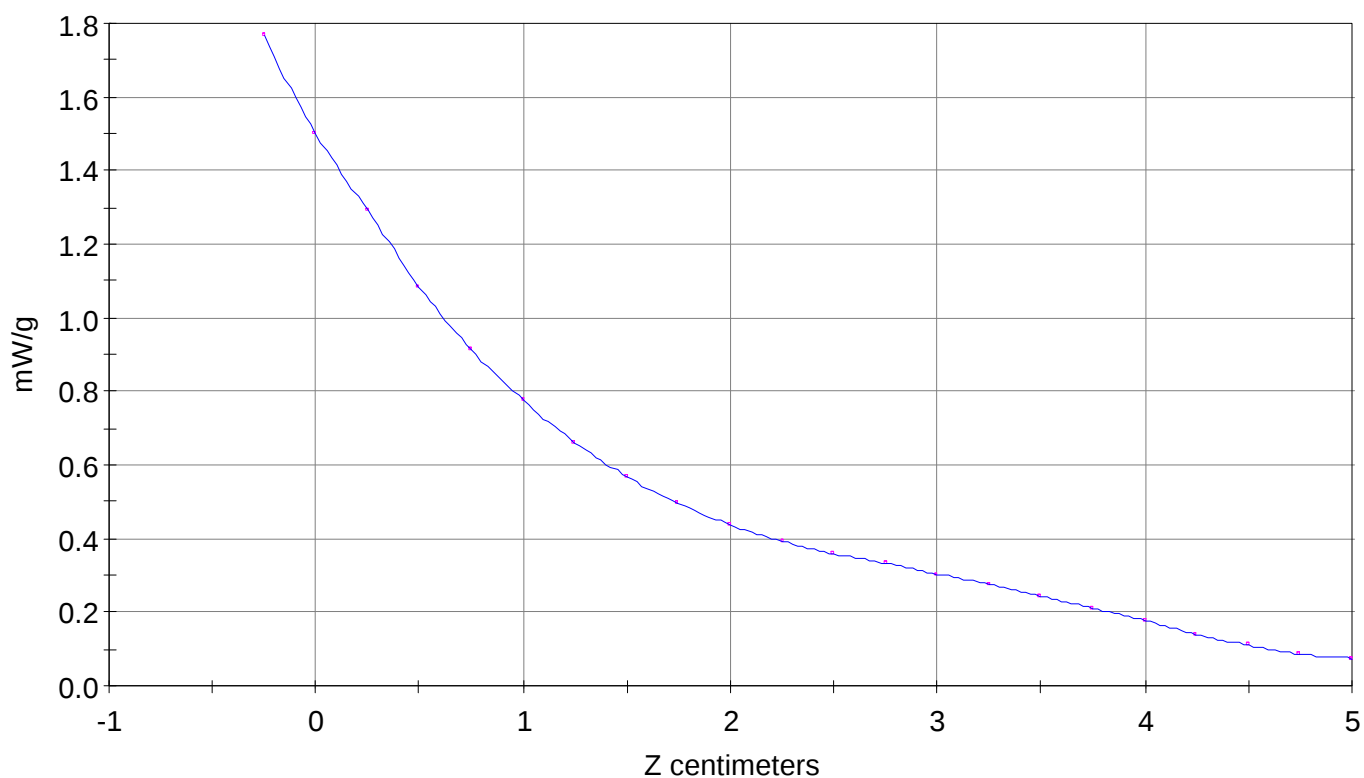
Calc. Voltage @ Surface (Vs) = 0.0241

Voltage @ 1.00 cm (Vt) = 0.0125

Ave. Voltage (Vs+Vt)/2 = 0.0183

Ave. SAR over 1 g (mW/g) = 1.3385

SAR Scan
File : 00031303_ZOOM
Start : 13-Mar-100 10:51:43 am End : 13-Mar-100 11:02:01 am
HYUNDAI/HGC-300E/001;836.49MHz;W;Helical/In;
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/43.400/0.900

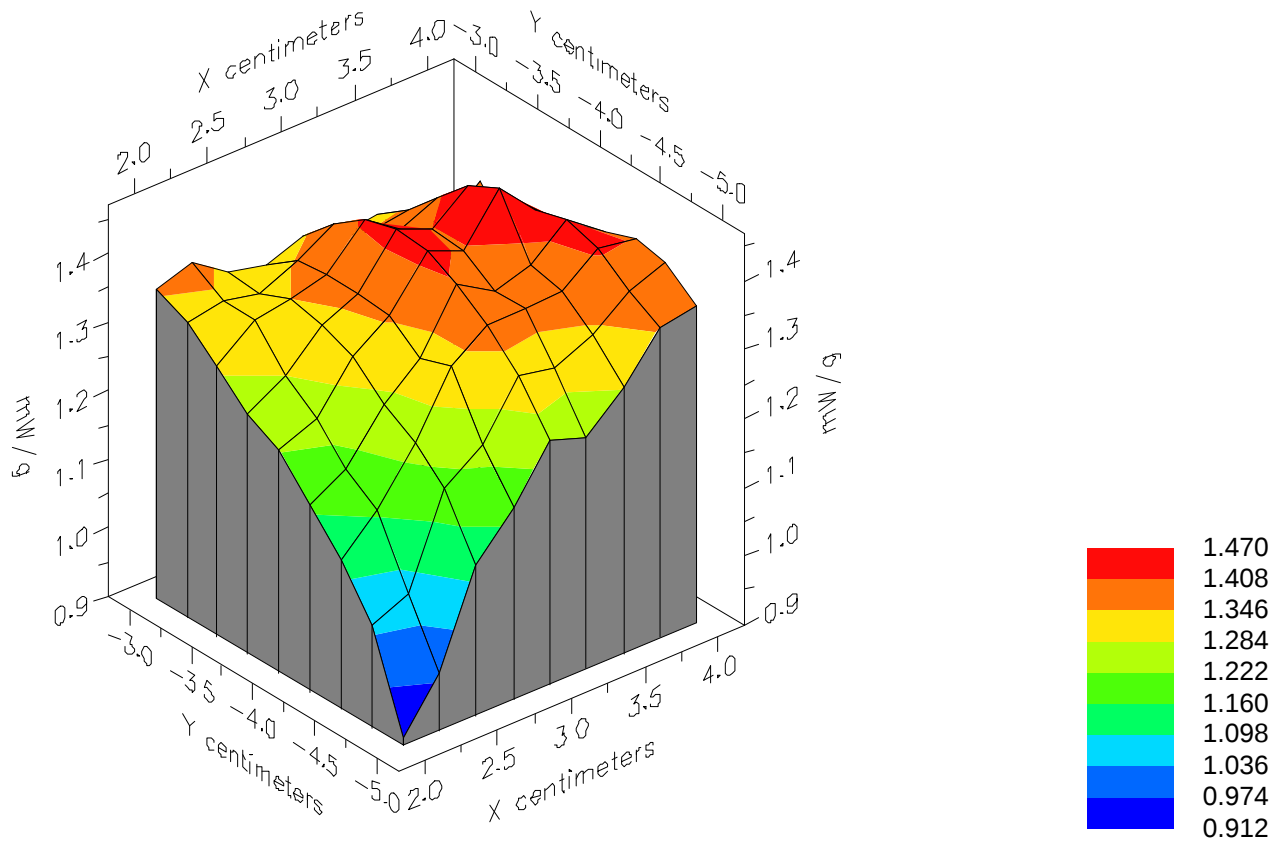


File : 00031303_ZOOM

Start : 13-Mar-100 10:51:43 am End : 13-Mar-100 11:02:01 am

HYUNDAI/HGC-300E/001;836.49MHz;W;Helical/In;

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

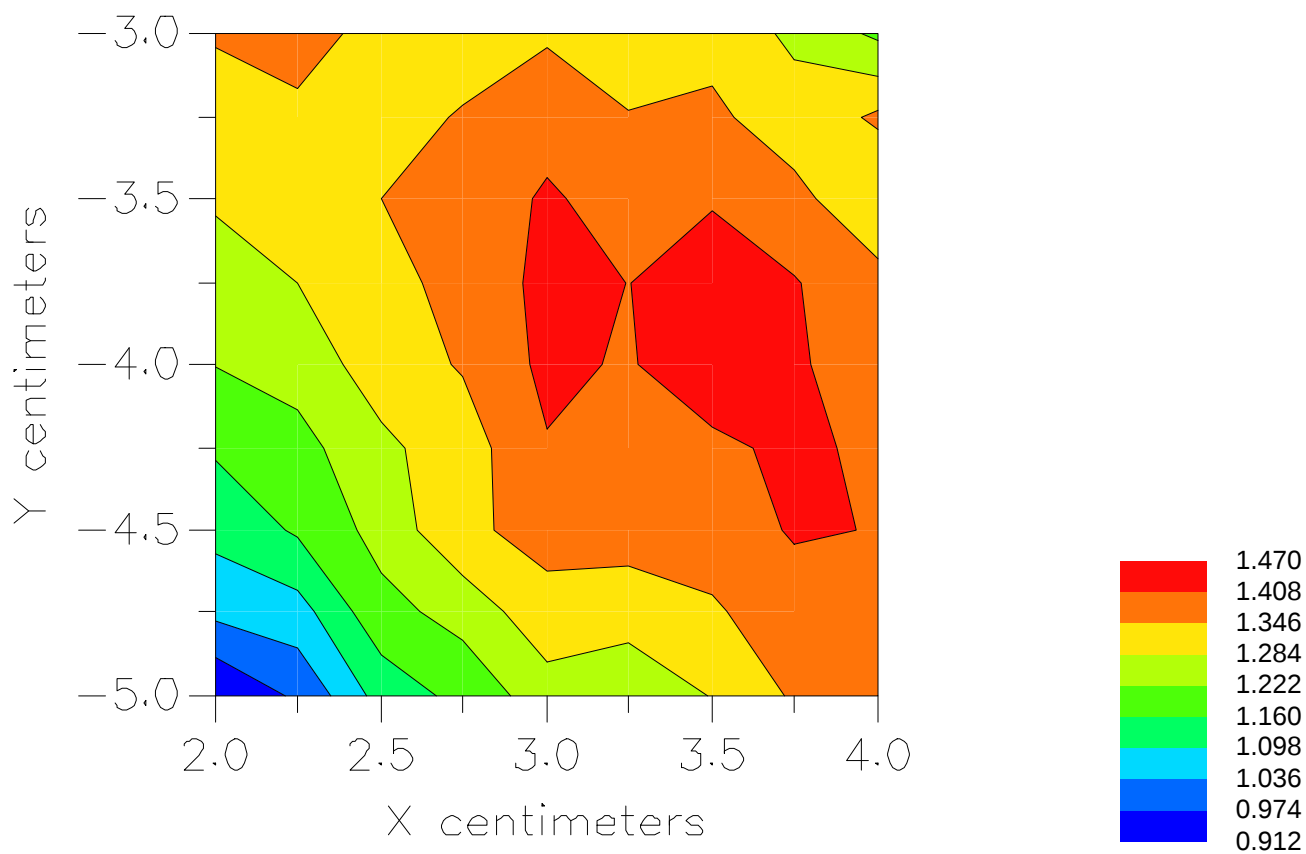


File : 00031303_ZOOM

Start : 13-Mar-100 10:51:43 am End : 13-Mar-100 11:02:01 am

HYUNDAI/HGC-300E/001;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/00031310_ZOOM.VLT
Start : 13-Mar-100 12:46:50 pm End : 13-Mar-100 12:53:02 pm

FCC ID : CKLHGC-300E
HYUNDAI Model No: HGC-300E
Serial Number : 001
Frequency : 836.49 MHz
Peak Trans. Pwr : 0.630 W
Start Trans. Pwr: 0.630 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
CHAN. 383 FM MODE FCC ID:CKLHGC-300E
CONDUCTED PWR:28.00 dBm

Robot : PCTEST

Probe Offset = 0.25 cm
Sensor Factor = 0.0108
Conversion Factor = 0.788

PCTEST Amplifier Channel Settings : 0.166 0.135 0.132

Max Location : X = 4.000, Y = -4.500, Z = 0.000 (cm) Value = 14.864

Measured Values (volts) =
1.486E-002 1.285E-002 1.065E-002 9.117E-003 7.765E-003 6.626E-003
5.734E-003 5.156E-003 4.634E-003 4.200E-003 3.813E-003 3.518E-003
3.186E-003 2.846E-003 2.443E-003 2.091E-003 1.725E-003 1.335E-003
1.097E-003 8.982E-004 8.061E-004

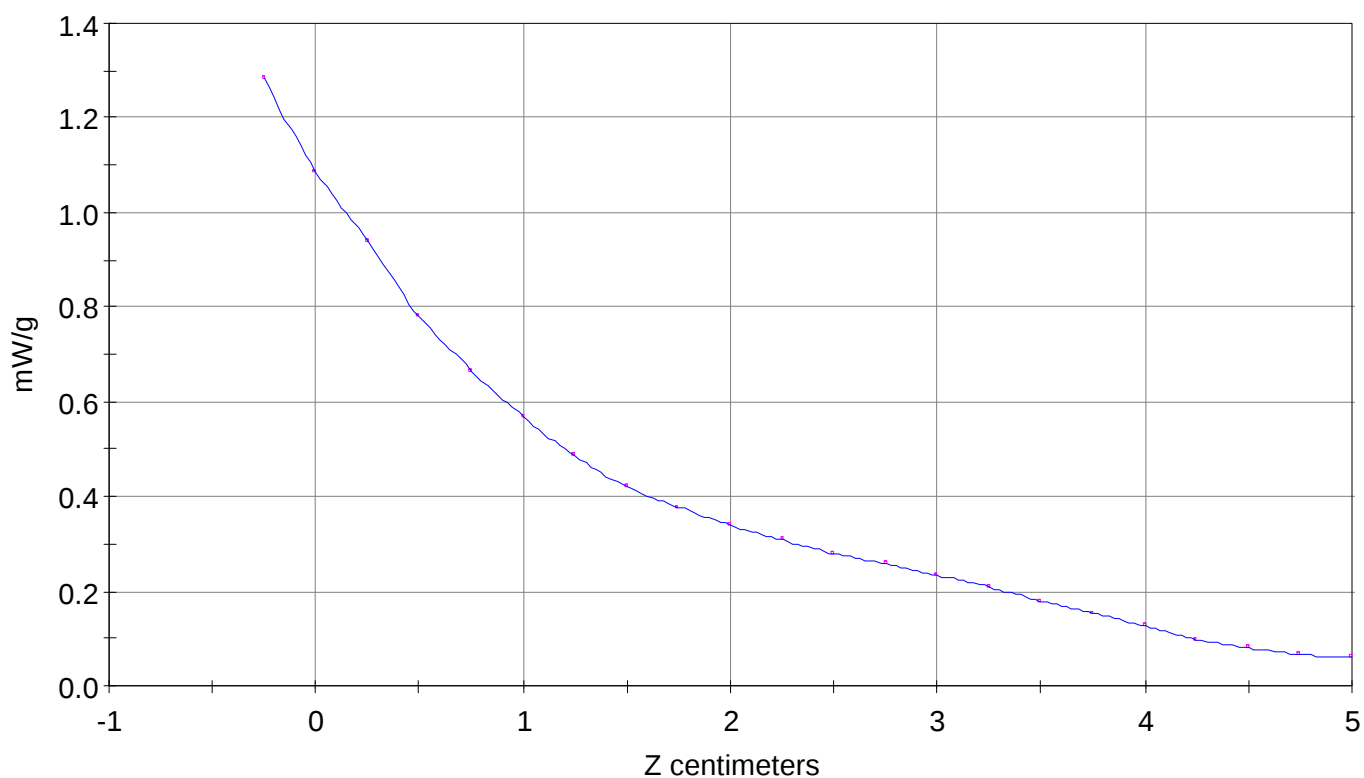
Calc. Voltage @ Surface (Vs) = 0.0176

Voltage @ 1.00 cm (Vt) = 0.0091

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

Ave. SAR over 1 g (mW/g) = 0.9753

SAR Scan
File : 00031310_ZOOM
Start : 13-Mar-100 12:46:50 pm End : 13-Mar-100 12:53:02 pm
HYUNDAI/HGC-300E/001;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/00031307_ZOOM.VLT
Start : 13-Mar-100 12:09:22 pm End : 13-Mar-100 12:16:35 pm

FCC ID : CKLHGC-300E
HYUNDAI Model No: HGC-300E
Serial Number : 001
Frequency : 848.97 MHz
Peak Trans. Pwr : 0.630 W
Start Trans. Pwr: 0.630 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
CHAN. 799 FM MODE FCC ID:CKLHGC-300E
CONDUCTED PWR:28.00 dBm

Robot : PCTEST

Probe Offset = 0.25 cm
Sensor Factor = 0.0108
Conversion Factor = 0.788

PCTEST Amplifier Channel Settings : 0.166 0.135 0.132

Max Location : X = 3.750, Y = -4.500, Z = 0.000 (cm) Value = 14.845

Measured Values (volts) =
1.564E-002 1.214E-002 1.013E-002 8.329E-003 7.141E-003 6.083E-003
5.269E-003 4.552E-003 4.071E-003 3.662E-003 3.388E-003 3.052E-003
2.754E-003 2.469E-003 2.125E-003 1.755E-003 1.422E-003 1.096E-003
8.802E-004 7.071E-004 6.276E-004

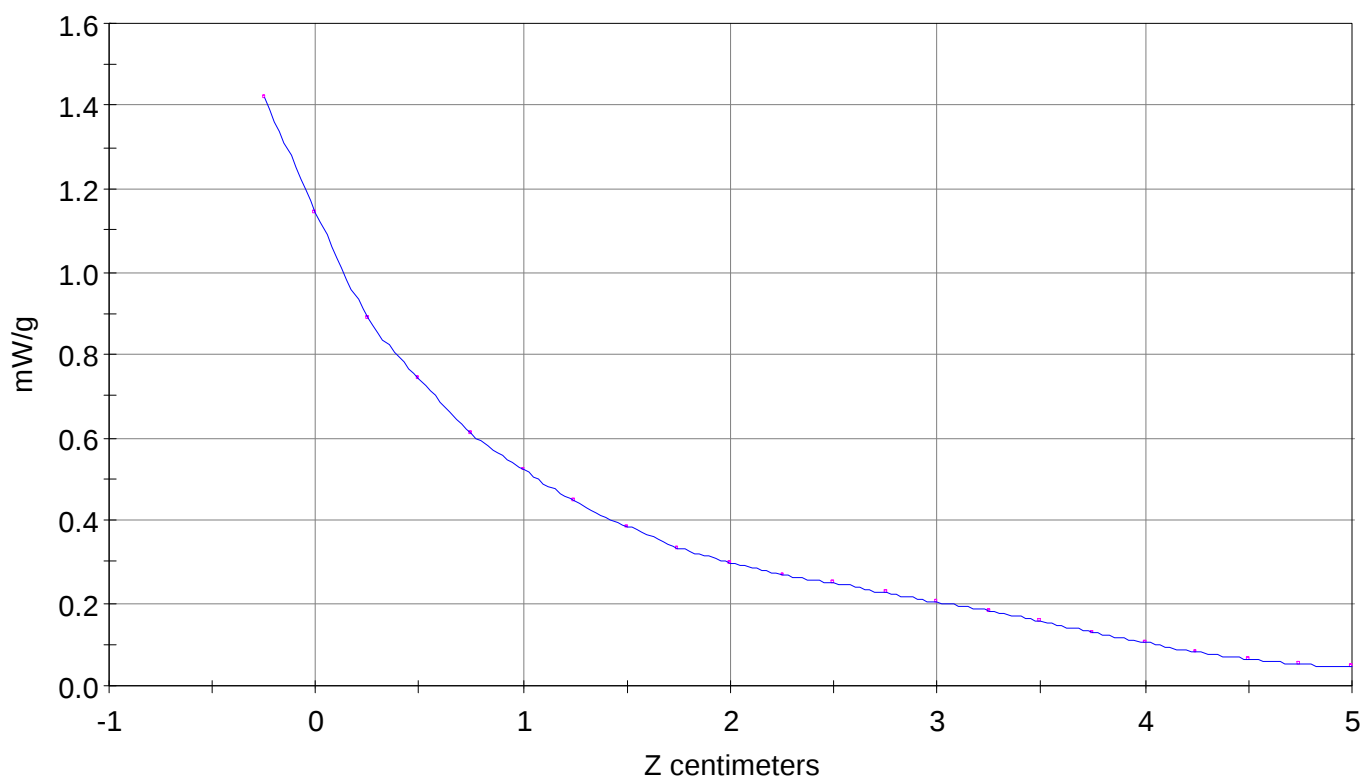
Calc. Voltage @ Surface (Vs) = 0.0194

Voltage @ 1.00 cm (Vt) = 0.0083

Ave. Voltage (Vs+Vt)/2 = 0.0139

Ave. SAR over 1 g (mW/g) = 1.0157

SAR Scan
File : 00031307_ZOOM
Start : 13-Mar-100 12:09:22 pm End : 13-Mar-100 12:16:35 pm
HYUNDAI/HGC-300E/001;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/00031309_ZOOM.VLT
Start : 13-Mar-100 12:29:08 pm End : 13-Mar-100 12:35:00 pm

FCC ID : CKLHGC-300E
HYUNDAI Model No: HGC-300E
Serial Number : 001
Frequency : 848.97 MHz
Peak Trans. Pwr : 0.630 W
Start Trans. Pwr: 0.630 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
CHAN. 799 FM MODE FCC ID:CKLHGC-300E
CONDUCTED PWR:28.00 dBm

Robot : PCTEST

Probe Offset = 0.25 cm
Sensor Factor = 0.0108
Conversion Factor = 0.788

PCTEST Amplifier Channel Settings : 0.166 0.135 0.132

Max Location : X = 4.000, Y = -4.500, Z = 0.000 (cm) Value = 17.255

Measured Values (volts) =
1.729E-002 1.483E-002 1.238E-002 1.062E-002 8.950E-003 7.684E-003
6.612E-003 5.812E-003 5.221E-003 4.724E-003 4.356E-003 4.007E-003
3.645E-003 3.237E-003 2.804E-003 2.367E-003 1.969E-003 1.539E-003
1.284E-003 1.035E-003 9.182E-004

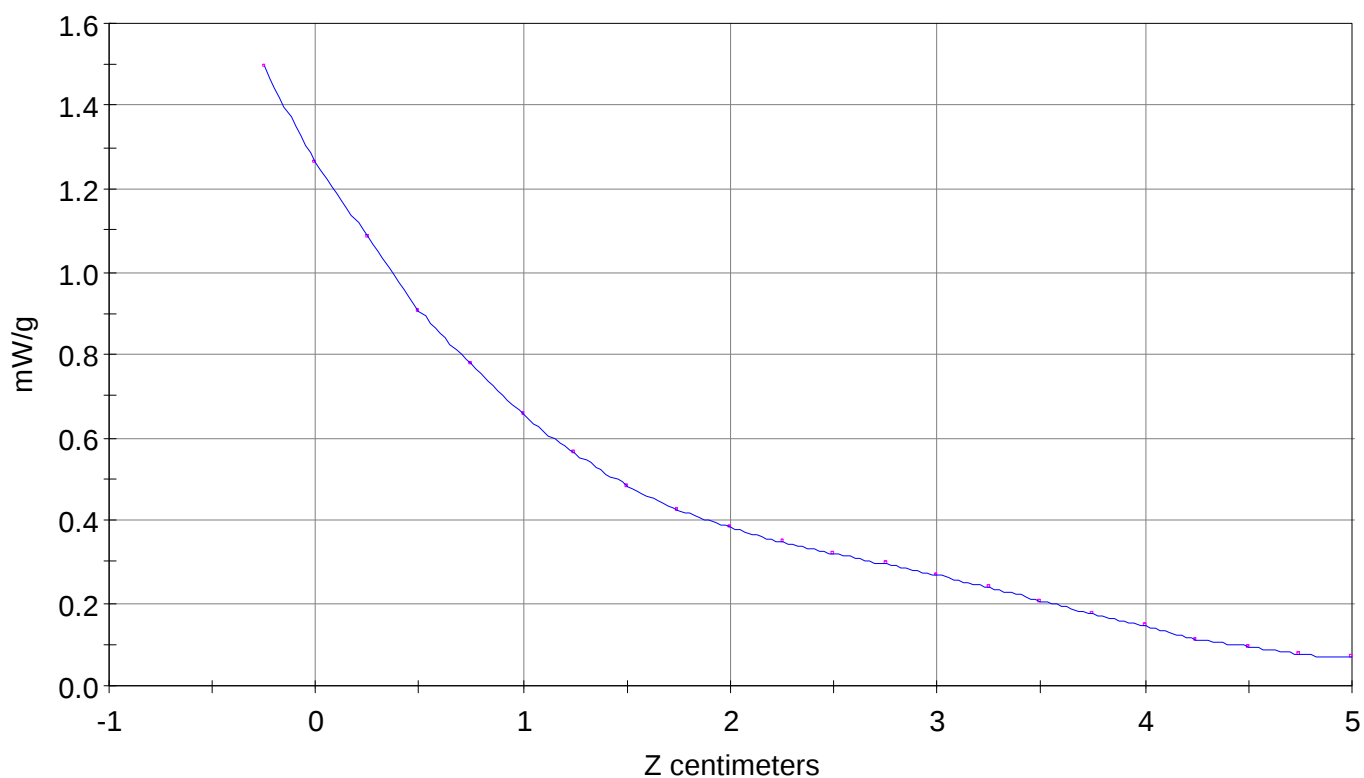
Calc. Voltage @ Surface (Vs) = 0.0204

Voltage @ 1.00 cm (Vt) = 0.0106

Ave. Voltage (Vs+Vt)/2 = 0.0155

Ave. SAR over 1 g (mW/g) = 1.1356

SAR Scan
File : 00031309_ZOOM
Start : 13-Mar-100 12:29:08 pm End : 13-Mar-100 12:35:00 pm
HYUNDAI/HGC-300E/001;848.97MHz;W;Helical/Out;
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/43.400/0.900



File : c:/idx3/SYSTEM/SARMEAS3/data/Normal/00031401_ZOOM.VLT
Start : 14-Mar-100 09:41:39 am End : 14-Mar-100 09:47:42 am

FCC ID : CKLHGC-300E
Model Number : HGC-300E
Serial Number : 001
Frequency : 835.89 MHz
Peak Trans. Pwr : 0.380 W
Start Trans. Pwr: 0.380 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
CHAN. 363 CDMA MODE FCC ID:CKLHGC-300E
CONDUCTED PWR:25.8 dBm

Robot : PCTEST

Probe Offset = 0.25 cm
Sensor Factor = 0.0108
Conversion Factor = 0.788

PCTEST Amplifier Channel Settings : 0.166 0.135 0.132

Max Location : X = 3.000, Y = -3.750, Z = 0.000 (cm) Value = 13.723

Measured Values (volts) =
1.338E-002 1.152E-002 9.720E-003 8.189E-003 7.543E-003 5.961E-003
5.098E-003 4.398E-003 3.847E-003 3.458E-003 3.160E-003 2.965E-003
2.691E-003 2.470E-003 2.181E-003 1.891E-003 1.550E-003 1.225E-003
9.508E-004 7.401E-004 6.165E-004

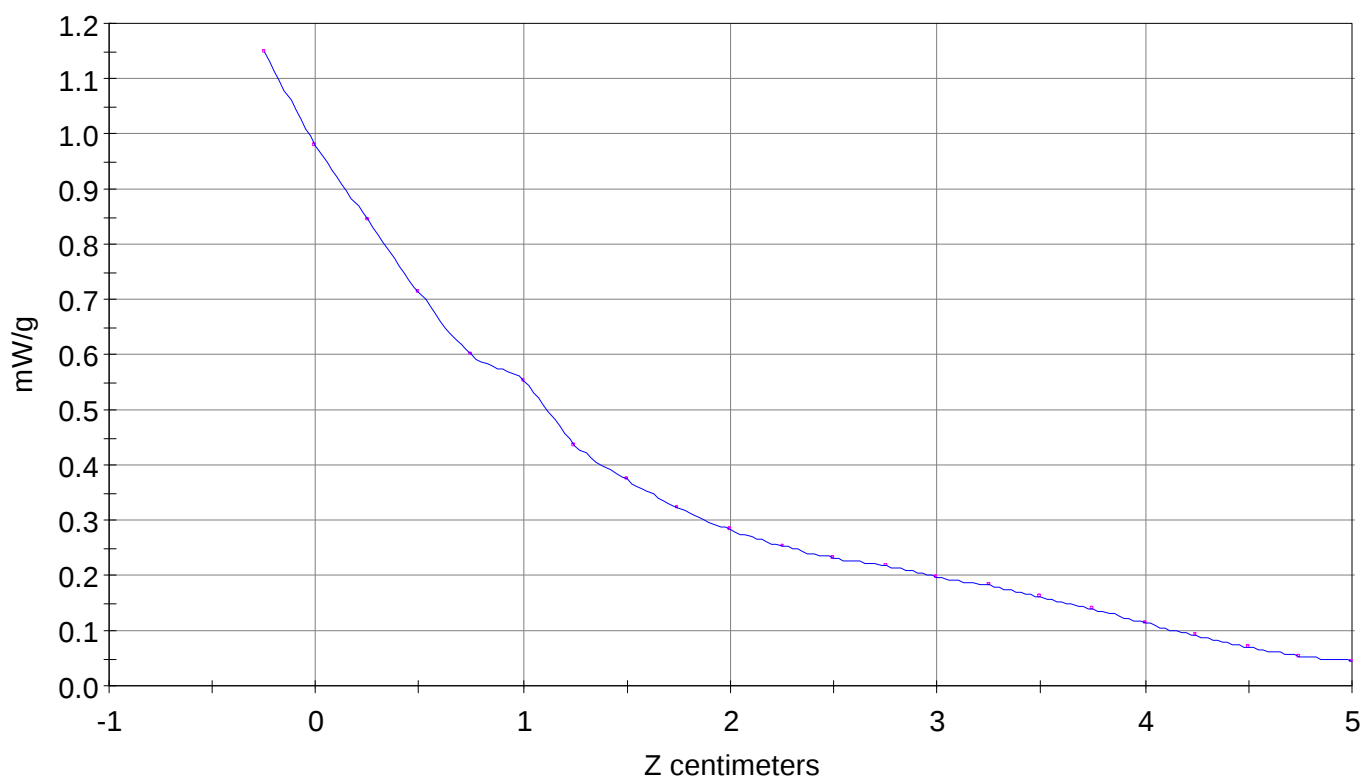
Calc. Voltage @ Surface (Vs) = 0.0157

Voltage @ 1.00 cm (Vt) = 0.0082

Ave. Voltage (Vs+Vt)/2 = 0.0119

Ave. SAR over 1 g (mW/g) = 0.8737

SAR Scan
File : 00031401_ZOOM
Start : 14-Mar-100 09:41:39 am End : 14-Mar-100 09:47:42 am
HYUNDAI/HGC-300E/001;835.89MHz;W;Helical/In;
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/43.400/0.900



File : c:/idx3/SYSTEM/SARMEAS3/data/Normal/00031402_ZOOM.VLT
Start : 14-Mar-100 10:05:13 am End : 14-Mar-100 10:15:31 am

FCC ID : CKLHGC-300E
Model Number : HGC-300E
Serial Number : 001
Frequency : 835.89 MHz
Peak Trans. Pwr : 0.380 W
Start Trans. Pwr: 0.380 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
CHAN. 363 CDMA MODE FCC ID:CKLHGC-300E
CONDUCTED PWR:25.8 dBm

Robot : PCTEST

Probe Offset = 0.25 cm
Sensor Factor = 0.0108
Conversion Factor = 0.788

PCTEST Amplifier Channel Settings : 0.166 0.135 0.132

Max Location : X = 3.500, Y = -4.500, Z = 0.000 (cm) Value = 10.075

Measured Values (volts) =
9.277E-003 8.121E-003 6.808E-003 5.825E-003 4.907E-003 4.548E-003
3.650E-003 3.233E-003 3.016E-003 2.610E-003 2.371E-003 2.164E-003
1.975E-003 1.759E-003 1.509E-003 1.312E-003 1.066E-003 8.719E-004
6.730E-004 5.732E-004 4.923E-004

Calc. Voltage @ Surface (Vs) = 0.0108

Voltage @ 1.00 cm (Vt) = 0.0058

Ave. Voltage (Vs+Vt)/2 = 0.0083

Ave. SAR over 1 g (mW/g) = 0.6092

SAR Scan
File : 00031402_ZOOM
Start : 14-Mar-100 10:05:13 am End : 14-Mar-100 10:15:31 am
HYUNDAI/HGC-300E/001;835.89MHz;W;Helical/Out;
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/43.400/0.900

