# SAR TEST DATA SUMMARY

| | |
|---|---|
| Ambient TEMPERATURE (°C) | 22.1 |
| Relative HUMIDITY (%) | 53.0 |
| Atmospheric PRESSURE (kPa) | 100.9 |

**Measured Values:**

| | |
|---|---|
| **Mixture Type:** | **Brain** |
| **Dielectric Constant:** | **41.6** |
| **Conductivity:** | **0.90** |
| **Liquid Depth:** | **15.6 cm** |

**Closest Distance (between E-Probe & Phone):** 1.7 cm

## Measurement Results (AMPS Head SAR)

| FREQUENCY MHz | FREQUENCY Ch. | Modulation | POWER (dBm) | Phantom Position | Antenna Position | SAR (W/kg) |
|---|---|---|---|---|---|---|
| 836.49 | 383 | AMPS | 27.2 | Left Ear | IN | 1.2899 |

| | |
|---|---|
| **ANSI / IEEE C95.1 1992 - SAFETY LIMIT<br>Spatial Peak<br>Uncontrolled Exposure/General Population** | **Brain<br>1.6 W/kg (mW/g)**<br>averaged over 1 gram |

NOTES:

1. The test data reported are the worst-case SAR value with the antenna-head position set in a typical configuration.
2. All modes of operation were investigated and the worst-case are reported.
3. Power Measured ☒ Conducted ☐ EIRP ☐ ERP
4. SAR Measurement System ☐ SPEAG ☒ IDX
5. SAR Configuration ☒ Head ☐ Body ☐ Hand

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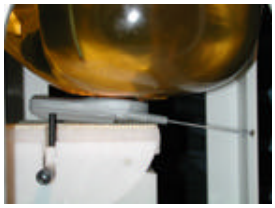


**Fig. A**
**Head SAR Test Setup**

File : c:/idx3/SYSTEM/SARMEAS3/data/Normal/01110209_ZOOM.VLT
Start :  2-Nov-101 02:53:49 pm  End :  2-Nov-101 03:09:23 pm

Radio Type      : GIGA
Model Number    : GDM-110
Serial Number   : 81
Frequency       : 836.49 MHz
Peak Trans. Pwr : 0.530 W
Start Trans. Pwr: 0.530 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 = 41.500
Mixture Conductivity        =  0.900

Comment :
    GIGA DUAL-MODE PHONE - AMPS MODE
    CH 0383   Conducted 27.2 dBm
    GIGA DUAL-MODE PHONE

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 =   0.500,  Y =  -3.500,  Z =   0.000   (cm)  Value =  52.465

Measured Values (volts) =
  4.932E-002  4.110E-002  3.466E-002  2.977E-002  2.559E-002  2.207E-002
  1.882E-002  1.650E-002  1.417E-002  1.238E-002  1.060E-002  9.584E-003
  8.656E-003  7.927E-003  7.664E-003  7.348E-003  7.230E-003  6.813E-003
  6.917E-003  6.713E-003  6.483E-003

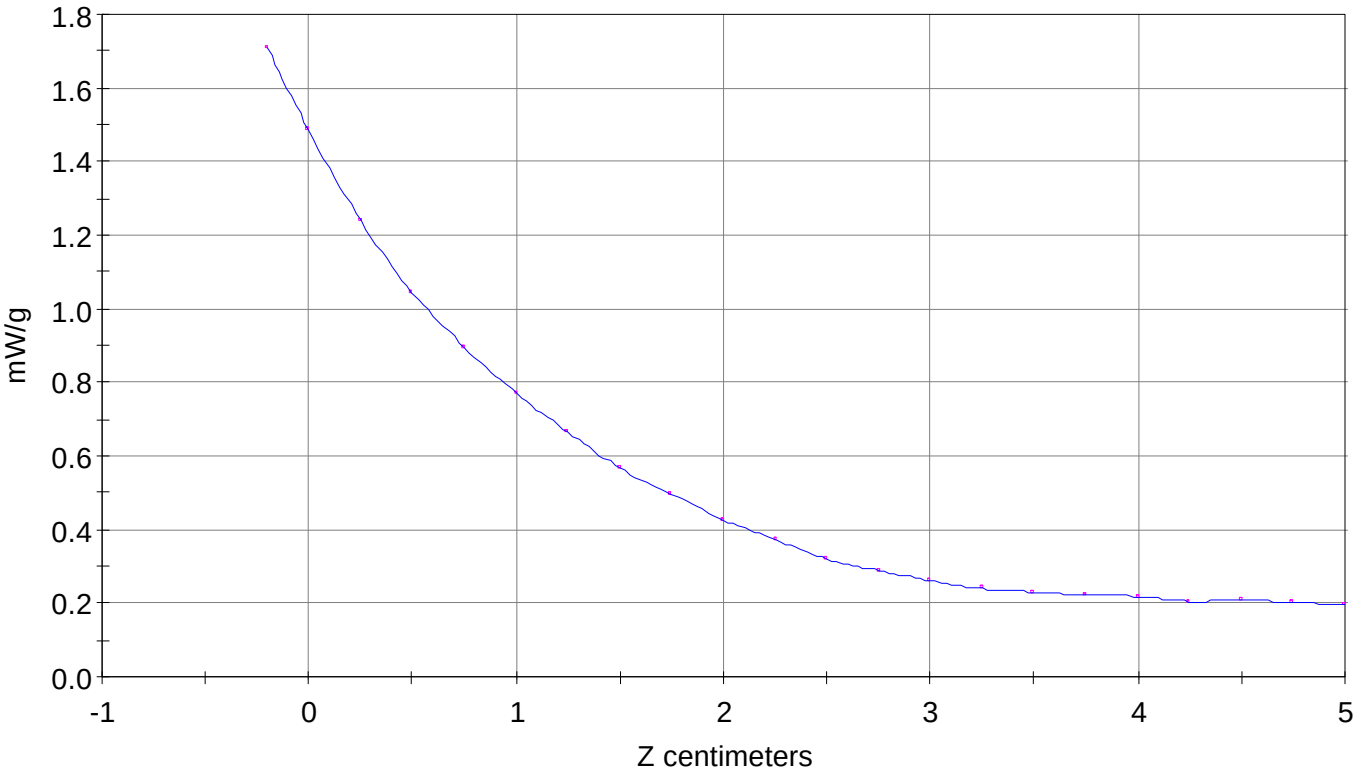
Calc. Voltage @ Surface (Vs) = 0.0568

Voltage @ 1.00 cm (Vt)       = 0.0289

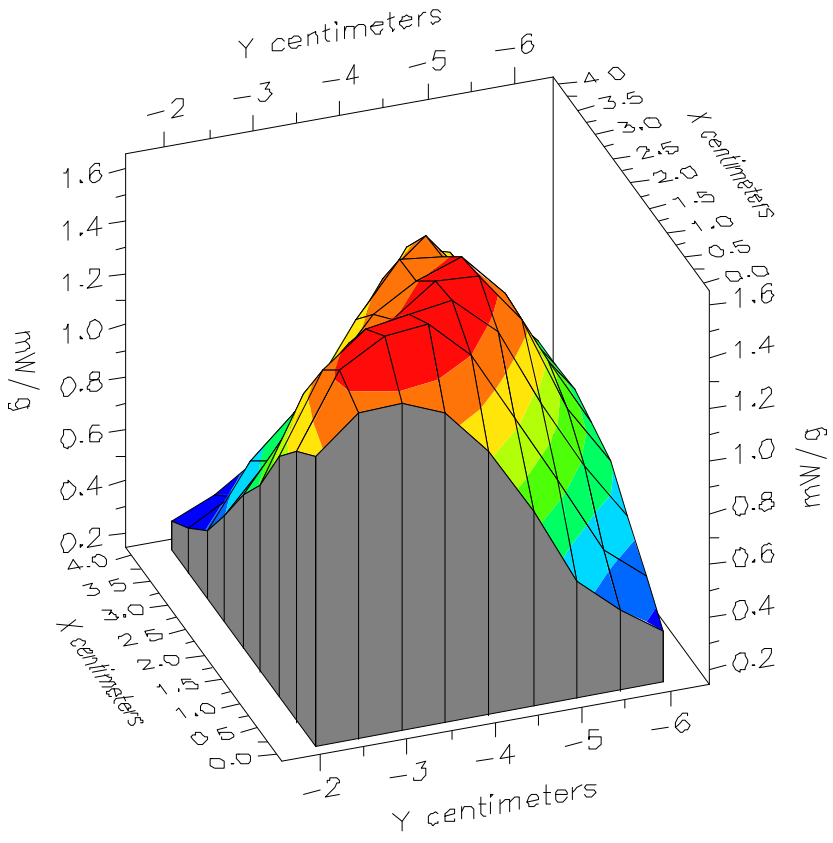
Ave. Voltage (Vs+Vt)/2       = 0.0429

Ave. SAR over 1 g (mW/g)    = 1.2899

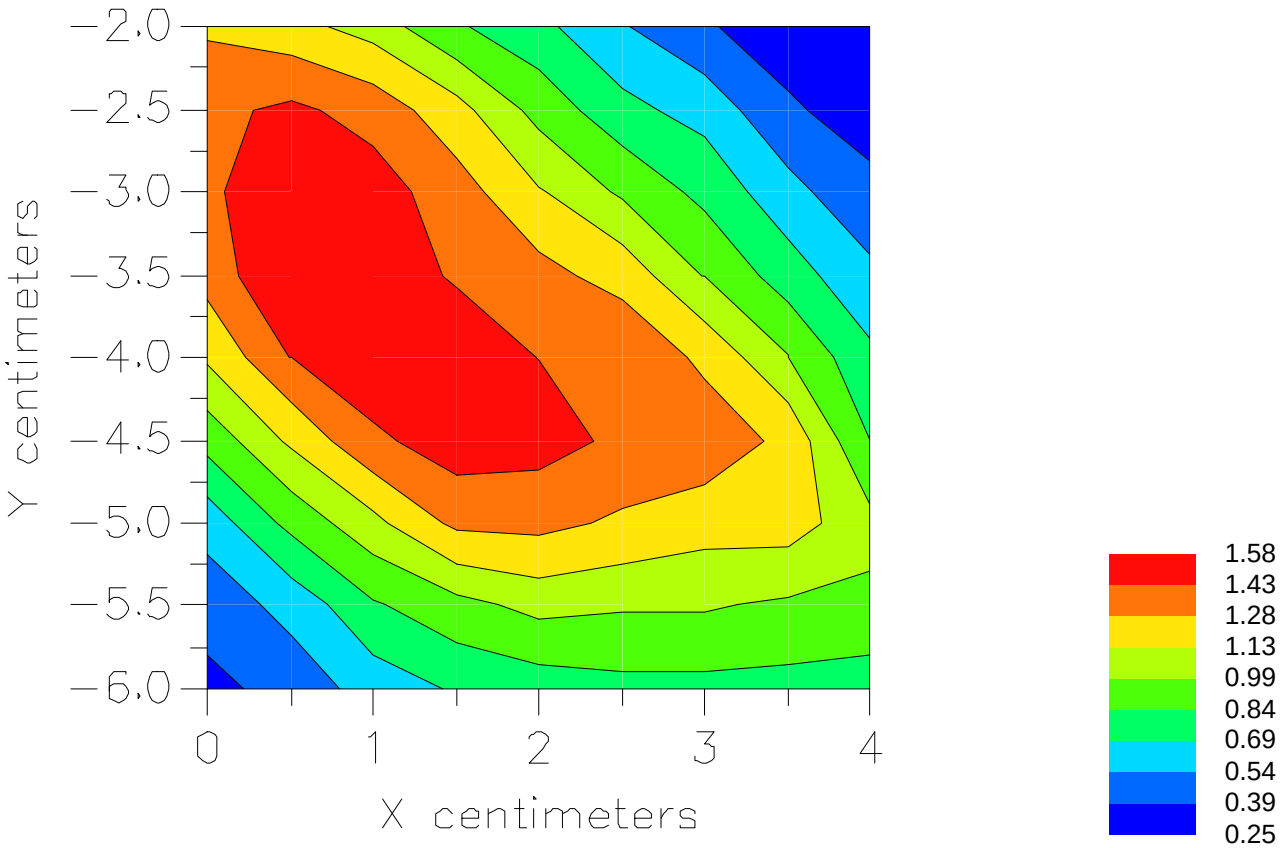
SAR Scan
File : 01110209_ZOOM
Start : 2-Nov-101 02:53:49 pm End : 2-Nov-101 03:09:23 pm
GIGA/GDM-110/81;836.49MHz;W;Helical/In;
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/41.500/0.900



File : 01110209_ZOOM
Start : 2-Nov-101 02:53:49 pm End : 2-Nov-101 03:09:23 pm
GIGA/GDM-110/81;836.49MHz;W;Helical/In;
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/41.500/0.900



File : 01110209_ZOOM
Start : 2-Nov-101 02:53:49 pm End : 2-Nov-101 03:09:23 pm
GIGA/GDM-110/81;836.49MHz;W;Helical/In;
Head/Left Ear;ZOOM/SAR;PCTEST/E Field/0 DegreesBrain/41.500/0.900



# SAR TEST DATA SUMMARY

| | |
|---|---|
| Ambient TEMPERATURE (°C) | 22.1 |
| Relative HUMIDITY (%) | 53.0 |
| Atmospheric PRESSURE (kPa) | 100.9 |

**Measured Values:**

| | |
|---|---|
| **Mixture Type:** | **Muscle** |
| **Dielectric Constant:** | **56.1** |
| **Conductivity:** | **0.96** |
| **Liquid Depth:** | **15.0 cm** |

## Measurement Results (AMPS Body SAR)

| FREQUENCY | | Modulation | POWER * (dBm) | Separation Distance (cm)** | Antenna Position | SAR (W/kg) |
|---|---|---|---|---|---|---|
| MHz | Ch. | | | | | |
| 824.04 | 991 | AMPS | 27.2 | 1.5 | IN | 0.6314 |
| 824.04 | 991 | AMPS | 27.2 | 1.5 | OUT | 0.6049 |
| 836.49 | 383 | AMPS | 27.2 | 1.5 | IN | 1.0255 |
| 836.49 | 383 | AMPS | 27.2 | 1.5 | OUT | 0.9842 |
| 848.97 | 799 | AMPS | 27.2 | 1.5 | IN | 0.6536 |
| 848.97 | 799 | AMPS | 27.2 | 1.5 | OUT | 0.7087 |

| | |
|---|---|
| **ANSI / IEEE C95.1 1992 – SAFETY LIMIT**<br>**Spatial Peak**<br>**Uncontrolled Exposure/General Population** | **Body**<br>**1.6 W/kg (mW/g)**<br>Averaged over 1 gram |

NOTES:

1. All modes of operation were investigated and the worst-case are reported.
2. Battery condition is fully charged for all readings.
3. * Power Measured ☒ Conducted ☐ EIRP ☐ ERP
4. SAR Measurement System ☐ SPEAG ☒ IDX
5. SAR Configuration ☐ Head ☒ Body ☐ Hand
6. ** Test Configuration ☐ Body Holster ☒ Without Body Holster

Randy Ortanez
President

**Fig. B**
**Body SAR Test Setup**

# SAR TEST DATA SUMMARY

| | |
|---|---|
| Ambient TEMPERATURE (°C) | 22.1 |
| Relative HUMIDITY (%) | 53.0 |
| Atmospheric PRESSURE (kPa) | 100.9 |

**Measured Values:**

| | |
|---|---|
| **Mixture Type:** | **Muscle** |
| **Dielectric Constant:** | **56.1** |
| **Conductivity:** | **0.96** |
| **Liquid Depth:** | **15.0 cm** |

## Measurement Results (CDMA Body SAR)

| FREQUENCY MHz | FREQUENCY Ch. | Modulation | POWER * (dBm) | Separation Distance (cm)** | Antenna Position | SAR (W/kg) |
|---|---|---|---|---|---|---|
| 824.70 | 1013 | CDMA | 26.0 | 1.5 | IN | 0.5013 |
| 824.70 | 1013 | CDMA | 26.0 | 1.5 | OUT | 0.4984 |
| 835.89 | 363 | CDMA | 26.0 | 1.5 | IN | 0.9582 |
| 835.89 | 363 | CDMA | 26.0 | 1.5 | OUT | 1.0265 |
| 848.31 | 777 | CDMA | 26.0 | 1.5 | IN | 0.5366 |
| 848.31 | 777 | CDMA | 26.0 | 1.5 | OUT | 0.5523 |
| **ANSI / IEEE C95.1 1992 – SAFETY LIMIT<br>Spatial Peak<br>Uncontrolled Exposure/General Population** | | | | | **Body<br>1.6 W/kg (mW/g)<br>Averaged over 1 gram** | |

NOTES:

1. All modes of operation were investigated and the worst-case are reported.
2. Battery condition is fully charged for all readings.
3. * Power Measured ☒ Conducted ☐ EIRP ☐ ERP
4. SAR Measurement System ☐ SPEAG ☒ IDX
5. SAR Configuration ☐ Head ☒ Body ☐ Hand
6. ** Test Configuration ☐ Body Holster ☒ Without Body Holster

Randy Ortanez
President

**Fig. C**
**Body SAR Test Setup**

File : c:/idx3/SYSTEM/SARMEAS3/data/Normal/01110535_ZOOM.VLT
Start :  5-Nov-101 05:18:35 pm  End :  5-Nov-101 05:19:28 pm

Radio Type      : GIGA
Model Number    : GDM-110
Serial Number   : 81
Frequency       : 824.04 MHz
Peak Trans. Pwr : 0.530 W
Start Trans. Pwr: 0.530 W
Antenna Type    : Helical
Antenna Posn.   : In
Phantom Type    : Body
Phantom Posn.   : Abdomen
Scan Type       : SAR
Probe Name      : PCTEST
Field Type      : E Field
Orientation     : 0 Degrees

Mixture Type                = Muscle
Mixture Dielectric Constant = 56.100
Mixture Conductivity        =  0.950

Comment :
    GIGA DUAL-MODE PHONE - AMPS MODE
    CH 0991   Conducted 27.2 dBm
    GIGA DUAL-MODE PHONE

Robot   : PCTEST

Probe Offset        = 0.20 cm
Sensor Factor       = 0.0108
Conversion Factor   =  0.423

PCTEST   Amplifier Channel Settings :  0.239   0.278   0.294

Max Location : X =  -0.500,  Y =  -1.000,  Z =   0.000   (cm)  Value =  13.755

Measured Values (volts) =
  1.809E-002  1.699E-002  1.447E-002  1.278E-002  1.114E-002  1.017E-002
  9.285E-003  8.887E-003  8.920E-003  8.921E-003  8.707E-003  8.462E-003
  7.692E-003  7.377E-003  6.852E-003  6.768E-003  6.599E-003  6.595E-003
  6.600E-003  7.196E-003  7.261E-003

Calc. Voltage @ Surface (Vs) = 0.0198

Voltage @ 1.00 cm (Vt)       = 0.0124

Ave. Voltage (Vs+Vt)/2       = 0.0161

Ave. SAR over 1 g (mW/g)    = 0.6314

File : c:/idx3/SYSTEM/SARMEAS3/data/Normal/01110536_ZOOM.VLT
Start :  5-Nov-101 05:19:55 pm  End :  5-Nov-101 05:20:47 pm

Radio Type      : GIGA
Model Number    : GDM-110
Serial Number   : 81
Frequency       : 824.04 MHz
Peak Trans. Pwr : 0.530 W
Start Trans. Pwr: 0.530 W
Antenna Type    : Helical
Antenna Posn.   : Out
Phantom Type    : Body
Phantom Posn.   : Abdomen
Scan Type       : SAR
Probe Name      : PCTEST
Field Type      : E Field
Orientation     : 0 Degrees

Mixture Type                = Muscle
Mixture Dielectric Constant = 56.100
Mixture Conductivity        =  0.950

Comment :
    GIGA DUAL-MODE PHONE - AMPS MODE
    CH 0991   Conducted 27.2 dBm
    GIGA DUAL-MODE PHONE

Robot   : PCTEST

Probe Offset        = 0.20 cm
Sensor Factor       = 0.0108
Conversion Factor   =  0.423

PCTEST   Amplifier Channel Settings :  0.239   0.278   0.294

Max Location : X =  -0.500,  Y =  -1.000,  Z =   0.000   (cm)  Value =  13.755

Measured Values (volts) =
  1.755E-002  1.560E-002  1.392E-002  1.189E-002  1.057E-002  9.494E-003
  8.850E-003  8.415E-003  8.632E-003  8.867E-003  8.991E-003  8.388E-003
  8.396E-003  7.205E-003  6.795E-003  6.659E-003  6.483E-003  6.474E-003
  6.819E-003  6.683E-003  7.632E-003

Calc. Voltage @ Surface (Vs) = 0.0193

Voltage @ 1.00 cm (Vt)       = 0.0116

Ave. Voltage (Vs+Vt)/2       = 0.0154

Ave. SAR over 1 g (mW/g)    = 0.6049

File : c:/idx3/SYSTEM/SARMEAS3/data/Normal/01110517_ZOOM.VLT
Start :  5-Nov-101 02:29:30 pm  End :  5-Nov-101 02:43:01 pm

Radio Type      : GIGA
Model Number    : GDM-110
Serial Number   : 81
Frequency       : 836.49 MHz
Peak Trans. Pwr : 0.530 W
Start Trans. Pwr: 0.530 W
Antenna Type    : Helical
Antenna Posn.   : In
Phantom Type    : Body
Phantom Posn.   : Abdomen
Scan Type       : ZOOM/SAR
Probe Name      : PCTEST
Field Type      : E Field
Orientation     : 0 Degrees

Mixture Type                = Muscle
Mixture Dielectric Constant = 56.100
Mixture Conductivity        =  0.950

Comment :
    GIGA DUAL-MODE PHONE - AMPS MODE
    CH 0383   Conducted 27.2 dBm
    GIGA DUAL-MODE PHONE

Robot   : PCTEST

Probe Offset        = 0.20 cm
Sensor Factor       = 0.0108
Conversion Factor   =  0.423

PCTEST   Amplifier Channel Settings :  0.239   0.278   0.294

Max Location : X =  -0.500,  Y =  -1.000,  Z =   0.000   (cm)  Value =  30.284

Measured Values (volts) =
  2.958E-002  2.758E-002  2.385E-002  2.068E-002  1.782E-002  1.527E-002
  1.396E-002  1.306E-002  1.236E-002  1.233E-002  1.199E-002  1.126E-002
  1.062E-002  9.219E-003  8.167E-003  7.718E-003  6.802E-003  7.006E-003
  7.155E-003  7.413E-003  8.380E-003

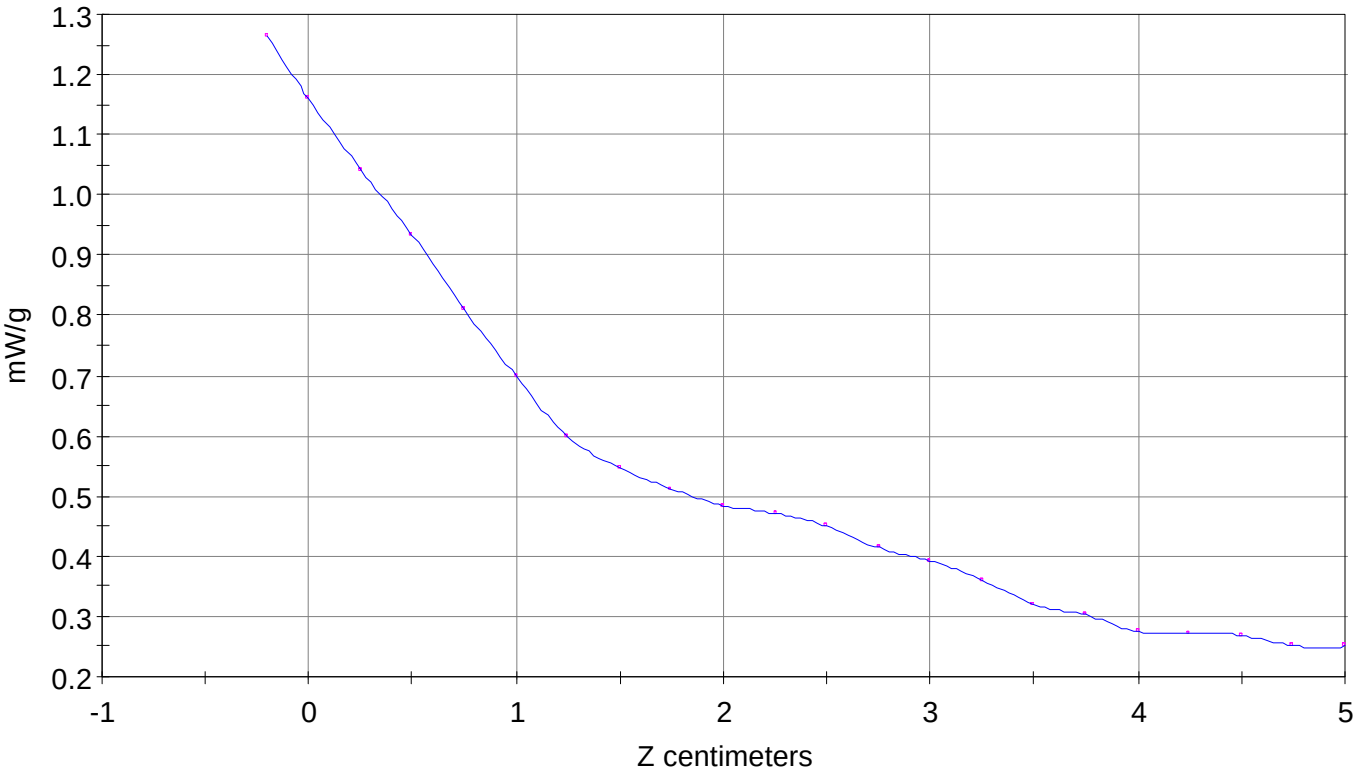
Calc. Voltage @ Surface (Vs) = 0.0323

Voltage @ 1.00 cm (Vt)       = 0.0201

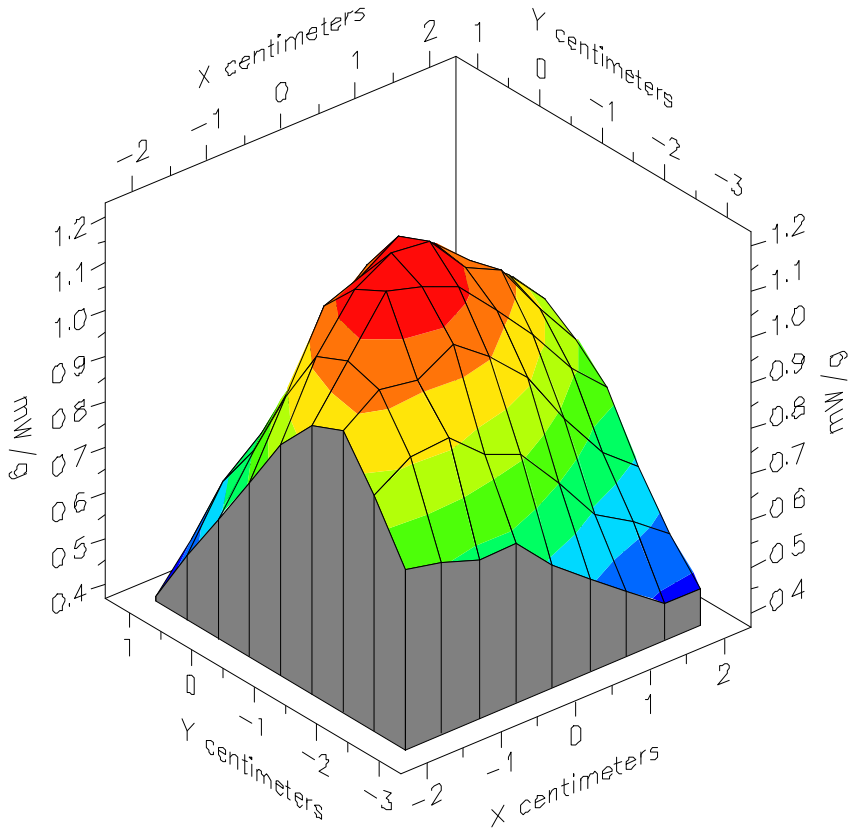
Ave. Voltage (Vs+Vt)/2       = 0.0262

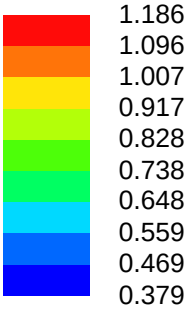
Ave. SAR over 1 g (mW/g)    = 1.0255

SAR Scan
File : 01110517_ZOOM
Start : 5-Nov-101 02:29:30 pm End : 5-Nov-101 02:43:01 pm
GIGA/GDM-110/81;836.49MHz;W;Helical/In;
Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 DegreesMuscle/56.100/0.950

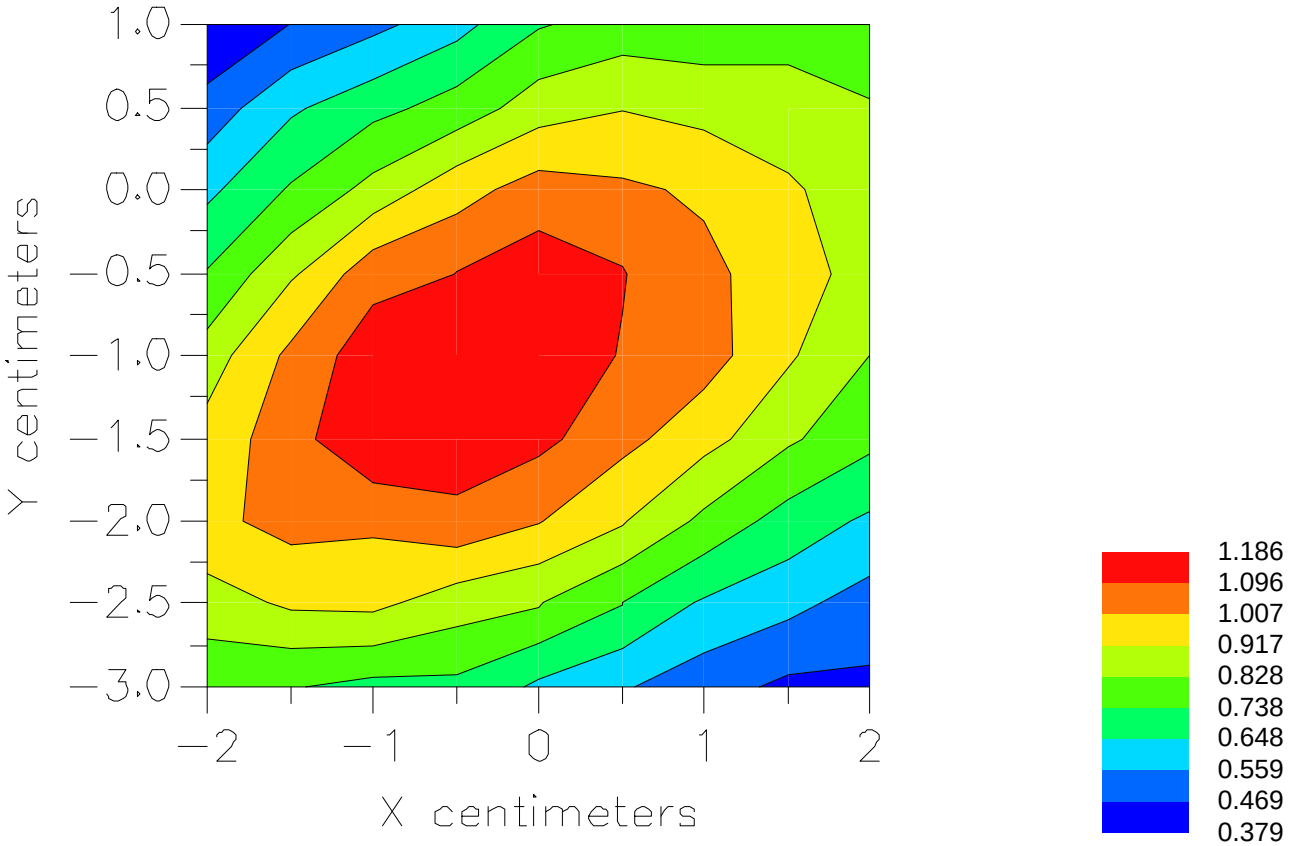


File : 01110517_ZOOM
Start : 5-Nov-101 02:29:30 pm End : 5-Nov-101 02:43:01 pm
GIGA/GDM-110/81;836.49MHz;W;Helical/In;
Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 DegreesMuscle/56.100/0.950



File : 01110517_ZOOM
Start : 5-Nov-101 02:29:30 pm End : 5-Nov-101 02:43:01 pm
GIGA/GDM-110/81;836.49MHz;W;Helical/In;
Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 DegreesMuscle/56.100/0.950



File : c:/idx3/SYSTEM/SARMEAS3/data/Normal/01110518_ZOOM.VLT
Start :  5-Nov-101 02:44:34 pm  End :  5-Nov-101 02:54:24 pm

Radio Type      : GIGA
Model Number    : GDM-110
Serial Number   : 81
Frequency       : 836.49 MHz
Peak Trans. Pwr : 0.530 W
Start Trans. Pwr: 0.530 W
Antenna Type    : Helical
Antenna Posn.   : Out
Phantom Type    : Body
Phantom Posn.   : Abdomen
Scan Type       : ZOOM/SAR
Probe Name      : PCTEST
Field Type      : E Field
Orientation     : 0 Degrees

Mixture Type                = Muscle
Mixture Dielectric Constant = 56.100
Mixture Conductivity        =  0.950

Comment :
    GIGA DUAL-MODE PHONE - AMPS MODE
    CH 0383   Conducted 27.2 dBm
    GIGA DUAL-MODE PHONE

Robot   : PCTEST

Probe Offset        = 0.20 cm
Sensor Factor       = 0.0108
Conversion Factor   =  0.423

PCTEST   Amplifier Channel Settings :  0.239   0.278   0.294

Max Location : X =  -0.500,  Y =  -1.000,  Z =   0.000   (cm)  Value =  29.739

Measured Values (volts) =
  2.878E-002  2.511E-002  2.176E-002  1.848E-002  1.645E-002  1.458E-002
  1.318E-002  1.246E-002  1.198E-002  1.169E-002  1.156E-002  1.093E-002
  1.001E-002  9.012E-003  8.134E-003  6.859E-003  6.843E-003  6.634E-003
  7.091E-003  7.973E-003  7.509E-003

Calc. Voltage @ Surface (Vs) = 0.0322

Voltage @ 1.00 cm (Vt)       = 0.0181

Ave. Voltage (Vs+Vt)/2       = 0.0251

Ave. SAR over 1 g (mW/g)    = 0.9842

File : c:/idx3/SYSTEM/SARMEAS3/data/Normal/01110524_ZOOM.VLT
Start :  5-Nov-101 03:46:43 pm  End :  5-Nov-101 03:56:10 pm

Radio Type      : GIGA
Model Number    : GDM-110
Serial Number   : 81
Frequency       : 848.97 MHz
Peak Trans. Pwr : 0.530 W
Start Trans. Pwr: 0.530 W
Antenna Type    : Helical
Antenna Posn.   : In
Phantom Type    : Body
Phantom Posn.   : Abdomen
Scan Type       : ZOOM/SAR
Probe Name      : PCTEST
Field Type      : E Field
Orientation     : 0 Degrees

Mixture Type                = Muscle
Mixture Dielectric Constant = 56.100
Mixture Conductivity        =  0.950

Comment :
    GIGA DUAL-MODE PHONE - AMPS MODE
    CH 0799   Conducted 27.2 dBm
    GIGA DUAL-MODE PHONE

Robot   : PCTEST

Probe Offset        = 0.20 cm
Sensor Factor       = 0.0108
Conversion Factor   =  0.423

PCTEST   Amplifier Channel Settings :  0.239   0.278   0.294

Max Location : X =  -0.500,  Y =  -1.000,  Z =   0.000   (cm)  Value =  20.195

Measured Values (volts) =
  1.878E-002  1.711E-002  1.513E-002  1.328E-002  1.139E-002  1.028E-002
  9.547E-003  8.687E-003  8.738E-003  8.678E-003  8.468E-003  8.174E-003
  7.848E-003  7.170E-003  6.574E-003  6.522E-003  6.301E-003  6.194E-003
  6.363E-003  6.448E-003  6.857E-003

Calc. Voltage @ Surface (Vs) = 0.0205

Voltage @ 1.00 cm (Vt)       = 0.0129

Ave. Voltage (Vs+Vt)/2       = 0.0167

Ave. SAR over 1 g (mW/g)    = 0.6536

File : c:/idx3/SYSTEM/SARMEAS3/data/Normal/01110525_ZOOM.VLT
Start :  5-Nov-101 03:59:41 pm  End :  5-Nov-101 04:09:09 pm

Radio Type      : GIGA
Model Number    : GDM-110
Serial Number   : 81
Frequency       : 848.97 MHz
Peak Trans. Pwr : 0.530 W
Start Trans. Pwr: 0.530 W
Antenna Type    : Helical
Antenna Posn.   : Out
Phantom Type    : Body
Phantom Posn.   : Abdomen
Scan Type       : ZOOM/SAR
Probe Name      : PCTEST
Field Type      : E Field
Orientation     : 0 Degrees

Mixture Type                = Muscle
Mixture Dielectric Constant = 56.100
Mixture Conductivity        =  0.950

Comment :
    GIGA DUAL-MODE PHONE - AMPS MODE
    CH 0799   Conducted 27.2 dBm
    GIGA DUAL-MODE PHONE

Robot   : PCTEST

Probe Offset        = 0.20 cm
Sensor Factor       = 0.0108
Conversion Factor   =  0.423

PCTEST   Amplifier Channel Settings :  0.239   0.278   0.294

Max Location : X =  -1.000,  Y =  -1.000,  Z =   0.000   (cm)  Value =  21.021

Measured Values (volts) =
  2.060E-002  1.833E-002  1.583E-002  1.362E-002  1.202E-002  1.047E-002
  9.769E-003  9.443E-003  9.498E-003  9.763E-003  9.423E-003  9.045E-003
  8.588E-003  7.552E-003  6.837E-003  6.204E-003  6.216E-003  6.467E-003
  6.832E-003  7.591E-003  8.094E-003

Calc. Voltage @ Surface (Vs) = 0.0229

Voltage @ 1.00 cm (Vt)       = 0.0133

Ave. Voltage (Vs+Vt)/2       = 0.0181

Ave. SAR over 1 g (mW/g)    = 0.7087

File : c:/idx3/SYSTEM/SARMEAS3/data/Normal/01110530_ZOOM.VLT
Start :  5-Nov-101 04:50:13 pm  End :  5-Nov-101 04:51:05 pm

Radio Type      : GIGA
Model Number    : GDM-110
Serial Number   : 81
Frequency       : 824.70 MHz
Peak Trans. Pwr : 0.400 W
Start Trans. Pwr: 0.400 W
Antenna Type    : Helical
Antenna Posn.   : In
Phantom Type    : Body
Phantom Posn.   : Abdomen
Scan Type       : SAR
Probe Name      : PCTEST
Field Type      : E Field
Orientation     : 0 Degrees

Mixture Type                = Muscle
Mixture Dielectric Constant = 56.100
Mixture Conductivity        =  0.950

Comment :
    GIGA DUAL-MODE PHONE - CDMA MODE
    CH 1013   Conducted 26.0 dBm
    GIGA DUAL-MODE PHONE

Robot   : PCTEST

Probe Offset        = 0.20 cm
Sensor Factor       = 0.0108
Conversion Factor   =  0.423

PCTEST   Amplifier Channel Settings :  0.239   0.278   0.294

Max Location : X =  -0.500,  Y =  -1.000,  Z =   0.000   (cm)  Value =  13.755

Measured Values (volts) =
  1.447E-002  1.298E-002  1.140E-002  9.890E-003  8.800E-003  8.138E-003
  7.762E-003  7.445E-003  7.344E-003  7.644E-003  7.724E-003  7.552E-003
  7.073E-003  6.710E-003  6.666E-003  6.215E-003  6.331E-003  6.419E-003
  6.805E-003  6.832E-003  6.712E-003

Calc. Voltage @ Surface (Vs) = 0.0159

Voltage @ 1.00 cm (Vt)       = 0.0097

Ave. Voltage (Vs+Vt)/2       = 0.0128

Ave. SAR over 1 g (mW/g)    = 0.5013

File : c:/idx3/SYSTEM/SARMEAS3/data/Normal/01110529_ZOOM.VLT
Start :  5-Nov-101 04:48:53 pm  End :  5-Nov-101 04:49:44 pm

Radio Type      : GIGA
Model Number    : GDM-110
Serial Number   : 81
Frequency       : 824.70 MHz
Peak Trans. Pwr : 0.400 W
Start Trans. Pwr: 0.400 W
Antenna Type    : Helical
Antenna Posn.   : Out
Phantom Type    : Body
Phantom Posn.   : Abdomen
Scan Type       : SAR
Probe Name      : PCTEST
Field Type      : E Field
Orientation     : 0 Degrees

Mixture Type                = Muscle
Mixture Dielectric Constant = 56.100
Mixture Conductivity        =  0.950

Comment :
    GIGA DUAL-MODE PHONE - CDMA MODE
    CH 1013   Conducted 26.0 dBm
    GIGA DUAL-MODE PHONE

Robot   : PCTEST

Probe Offset        = 0.20 cm
Sensor Factor       = 0.0108
Conversion Factor   =  0.423

PCTEST   Amplifier Channel Settings :  0.239   0.278   0.294

Max Location : X =  -0.500,  Y =  -1.000,  Z =   0.000   (cm)  Value =  13.755

Measured Values (volts) =
  1.432E-002  1.271E-002  1.141E-002  1.004E-002  8.673E-003  7.957E-003
  7.805E-003  7.212E-003  7.603E-003  7.515E-003  7.800E-003  7.345E-003
  6.909E-003  6.586E-003  6.285E-003  6.116E-003  6.102E-003  6.377E-003
  6.274E-003  6.497E-003  6.988E-003

Calc. Voltage @ Surface (Vs) = 0.0157

Voltage @ 1.00 cm (Vt)       = 0.0098

Ave. Voltage (Vs+Vt)/2       = 0.0127

Ave. SAR over 1 g (mW/g)    = 0.4984

File : c:/idx3/SYSTEM/SARMEAS3/data/Normal/01110527_ZOOM.VLT
Start :  5-Nov-101 04:24:50 pm  End :  5-Nov-101 04:34:18 pm

Radio Type      : GIGA
Model Number    : GDM-110
Serial Number   : 81
Frequency       : 835.89 MHz
Peak Trans. Pwr : 0.400 W
Start Trans. Pwr: 0.400 W
Antenna Type    : Helical
Antenna Posn.   : In
Phantom Type    : Body
Phantom Posn.   : Abdomen
Scan Type       : ZOOM/SAR
Probe Name      : PCTEST
Field Type      : E Field
Orientation     : 0 Degrees

Mixture Type                = Muscle
Mixture Dielectric Constant = 56.100
Mixture Conductivity        =  0.950

Comment :
    GIGA DUAL-MODE PHONE - CDMA MODE
    CH 0363   Conducted 26.0 dBm
    GIGA DUAL-MODE PHONE

Robot   : PCTEST

Probe Offset        = 0.20 cm
Sensor Factor       = 0.0108
Conversion Factor   =  0.423

PCTEST   Amplifier Channel Settings :  0.239   0.278   0.294

Max Location : X =  -0.500,  Y =  -1.000,  Z =   0.000   (cm)  Value =  29.241

Measured Values (volts) =
  2.782E-002  2.484E-002  2.190E-002  1.879E-002  1.642E-002  1.427E-002
  1.313E-002  1.214E-002  1.206E-002  1.182E-002  1.150E-002  1.082E-002
  9.895E-003  9.122E-003  7.705E-003  7.284E-003  6.749E-003  6.740E-003
  7.257E-003  7.493E-003  7.844E-003

Calc. Voltage @ Surface (Vs) = 0.0306

Voltage @ 1.00 cm (Vt)       = 0.0183

Ave. Voltage (Vs+Vt)/2       = 0.0245

Ave. SAR over 1 g (mW/g)    = 0.9582

File : c:/idx3/SYSTEM/SARMEAS3/data/Normal/01110526_ZOOM.VLT
Start :  5-Nov-101 04:14:01 pm  End :  5-Nov-101 04:23:29 pm

Radio Type      : GIGA
Model Number    : GDM-110
Serial Number   : 81
Frequency       : 835.89 MHz
Peak Trans. Pwr : 0.400 W
Start Trans. Pwr: 0.400 W
Antenna Type    : Helical
Antenna Posn.   : Out
Phantom Type    : Body
Phantom Posn.   : Abdomen
Scan Type       : ZOOM/SAR
Probe Name      : PCTEST
Field Type      : E Field
Orientation     : 0 Degrees

Mixture Type                = Muscle
Mixture Dielectric Constant = 56.100
Mixture Conductivity        =  0.950

Comment :
    GIGA DUAL-MODE PHONE - CDMA MODE
    CH 0363   Conducted 26.0 dBm
    GIGA DUAL-MODE PHONE

Robot   : PCTEST

Probe Offset        = 0.20 cm
Sensor Factor       = 0.0108
Conversion Factor   =  0.423

PCTEST   Amplifier Channel Settings :  0.239   0.278   0.294

Max Location : X =  -1.000,  Y =  -1.000,  Z =   0.000   (cm)  Value =  30.417

Measured Values (volts) =
  2.996E-002  2.572E-002  2.181E-002  1.894E-002  1.627E-002  9.946E-003
  1.416E-002  1.316E-002  1.312E-002  1.290E-002  1.269E-002  1.181E-002
  1.060E-002  9.103E-003  8.229E-003  7.116E-003  7.009E-003  7.296E-003
  8.073E-003  8.535E-003  9.157E-003

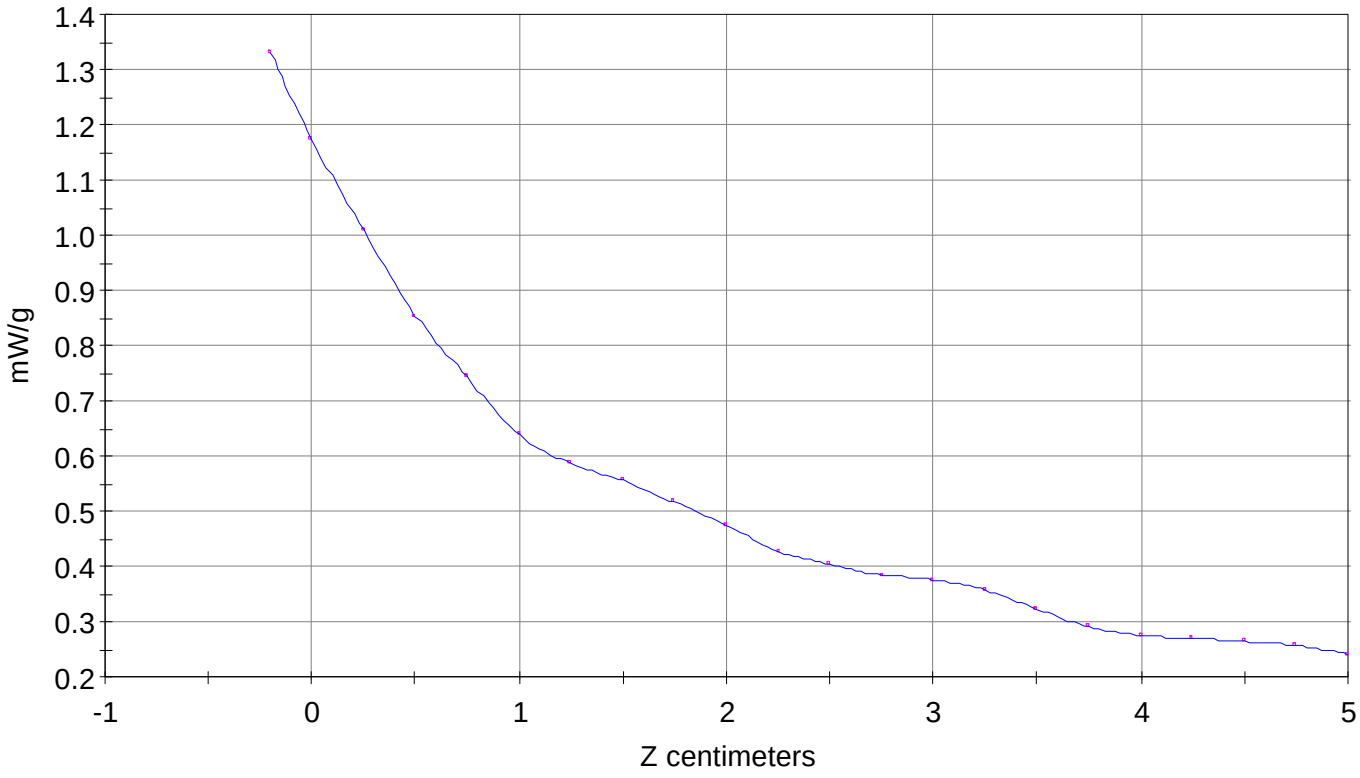
Calc. Voltage @ Surface (Vs) = 0.0340

Voltage @ 1.00 cm (Vt)       = 0.0184

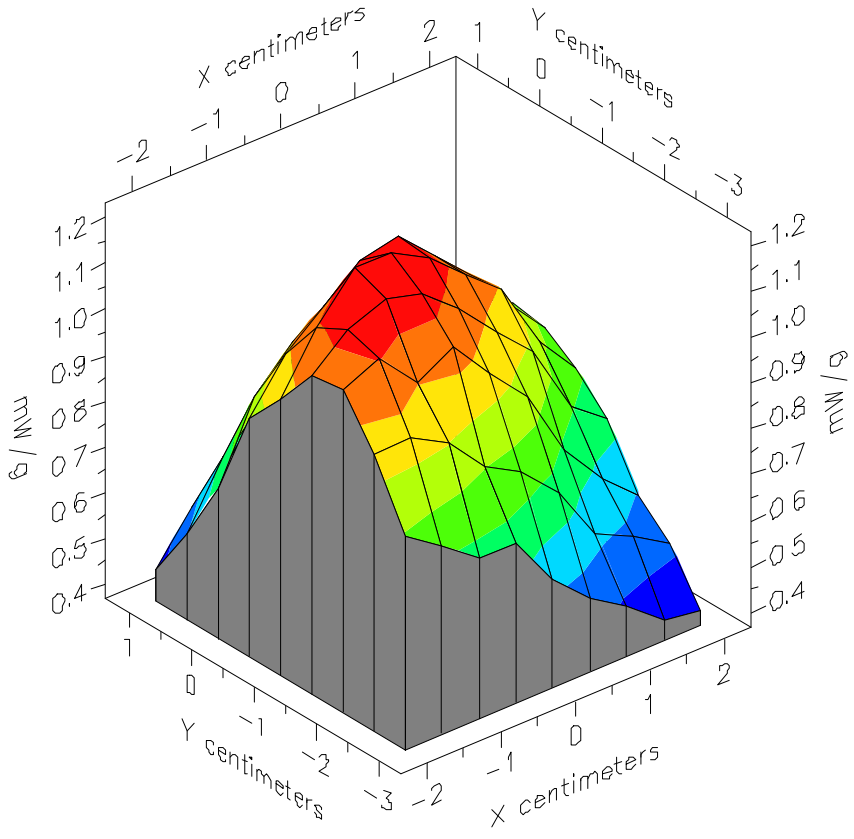
Ave. Voltage (Vs+Vt)/2       = 0.0262

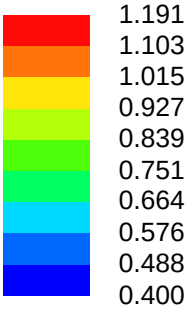
Ave. SAR over 1 g (mW/g)    = 1.0265

SAR Scan
File : 01110526_ZOOM
Start : 5-Nov-101 04:14:01 pm End : 5-Nov-101 04:23:29 pm
GIGA/GDM-110/81;835.89MHz;W;Helical/Out;
Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 DegreesMuscle/56.100/0.950

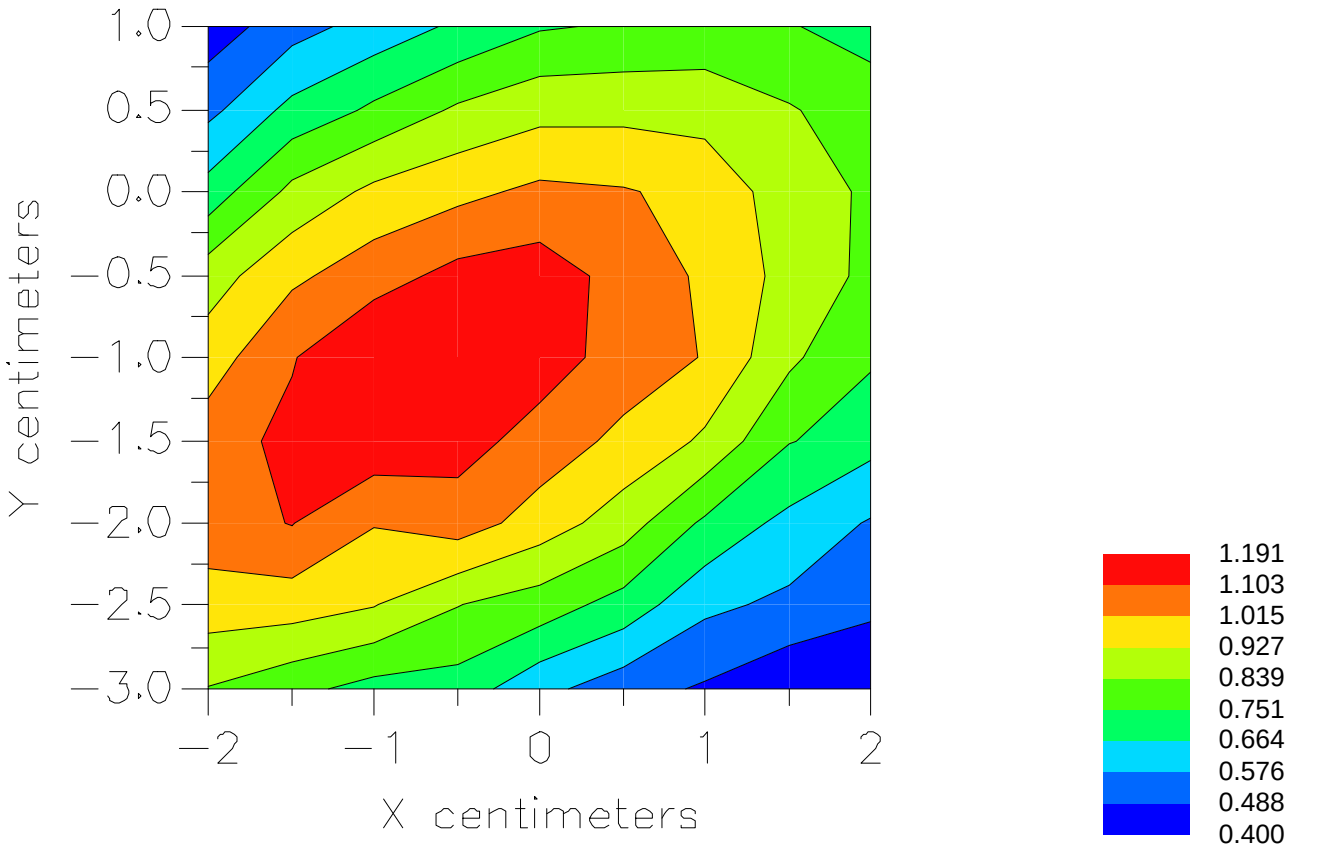


File : 01110526_ZOOM
Start : 5-Nov-101 04:14:01 pm End : 5-Nov-101 04:23:29 pm
GIGA/GDM-110/81;835.89MHz;W;Helical/Out;
Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 DegreesMuscle/56.100/0.950



File : 01110526_ZOOM
Start : 5-Nov-101 04:14:01 pm End : 5-Nov-101 04:23:29 pm
GIGA/GDM-110/81;835.89MHz;W;Helical/Out;
Body/Abdomen;ZOOM/SAR;PCTEST/E Field/0 DegreesMuscle/56.100/0.950



File : c:/idx3/SYSTEM/SARMEAS3/data/Normal/01110532_ZOOM.VLT
Start :  5-Nov-101 04:54:09 pm  End :  5-Nov-101 04:55:01 pm

Radio Type      : GIGA
Model Number    : GDM-110
Serial Number   : 81
Frequency       : 848.31 MHz
Peak Trans. Pwr : 0.400 W
Start Trans. Pwr: 0.400 W
Antenna Type    : Helical
Antenna Posn.   : In
Phantom Type    : Body
Phantom Posn.   : Abdomen
Scan Type       : SAR
Probe Name      : PCTEST
Field Type      : E Field
Orientation     : 0 Degrees

Mixture Type                = Muscle
Mixture Dielectric Constant = 56.100
Mixture Conductivity        =  0.950

Comment :
    GIGA DUAL-MODE PHONE - CDMA MODE
    CH 0777   Conducted 26.0 dBm
    GIGA DUAL-MODE PHONE

Robot   : PCTEST

Probe Offset        = 0.20 cm
Sensor Factor       = 0.0108
Conversion Factor   =  0.423

PCTEST   Amplifier Channel Settings :  0.239   0.278   0.294

Max Location : X =  -0.500,  Y =  -1.000,  Z =   0.000   (cm)  Value =  13.755

Measured Values (volts) =
  1.553E-002  1.364E-002  1.229E-002  1.061E-002  9.352E-003  8.648E-003
  7.927E-003  7.486E-003  7.645E-003  7.508E-003  7.633E-003  7.369E-003
  6.863E-003  6.650E-003  5.942E-003  5.967E-003  6.138E-003  6.278E-003
  6.470E-003  6.568E-003  6.747E-003

Calc. Voltage @ Surface (Vs) = 0.0170

Voltage @ 1.00 cm (Vt)       = 0.0104

Ave. Voltage (Vs+Vt)/2       = 0.0137

Ave. SAR over 1 g (mW/g)    = 0.5366

File : c:/idx3/SYSTEM/SARMEAS3/data/Normal/01110531_ZOOM.VLT
Start :  5-Nov-101 04:52:54 pm  End :  5-Nov-101 04:53:45 pm

Radio Type      : GIGA
Model Number    : GDM-110
Serial Number   : 81
Frequency       : 848.31 MHz
Peak Trans. Pwr : 0.400 W
Start Trans. Pwr: 0.400 W
Antenna Type    : Helical
Antenna Posn.   : Out
Phantom Type    : Body
Phantom Posn.   : Abdomen
Scan Type       : SAR
Probe Name      : PCTEST
Field Type      : E Field
Orientation     : 0 Degrees

Mixture Type                = Muscle
Mixture Dielectric Constant = 56.100
Mixture Conductivity        =  0.950

Comment :
    GIGA DUAL-MODE PHONE - CDMA MODE
    CH 0777   Conducted 26.0 dBm
    GIGA DUAL-MODE PHONE

Robot   : PCTEST

Probe Offset        = 0.20 cm
Sensor Factor       = 0.0108
Conversion Factor   =  0.423

PCTEST   Amplifier Channel Settings :  0.239   0.278   0.294

Max Location : X =  -0.500,  Y =  -1.000,  Z =   0.000   (cm)  Value =  13.755

Measured Values (volts) =
  1.605E-002  1.419E-002  1.278E-002  1.093E-002  9.359E-003  8.544E-003
  8.061E-003  7.734E-003  7.821E-003  7.731E-003  7.760E-003  7.977E-003
  7.399E-003  7.046E-003  6.807E-003  6.621E-003  6.490E-003  6.392E-003
  6.468E-003  6.710E-003  6.865E-003

Calc. Voltage @ Surface (Vs) = 0.0176

Voltage @ 1.00 cm (Vt)       = 0.0106

Ave. Voltage (Vs+Vt)/2       = 0.0141

Ave. SAR over 1 g (mW/g)    = 0.5523