

### HAC\_E\_Dipole\_835\_120215

#### DUT: Dipole 835 MHz

Communication System: CW; Frequency: 835 MHz; Duty Cycle: 1:1

Medium: Air Medium parameters used:  $\sigma = 0$  mho/m,  $\epsilon_r = 1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.3 °C

#### DASY4 Configuration:

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2012/1/26
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn495; Calibrated: 2011/4/28
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

#### E Scan - measurement distance from the probe sensor center to CD835 Dipole = 10mm/Hearing Aid Compatibility Test (41x361x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 174.2 V/m

Probe Modulation Factor = 1.00

Device Reference Point: 0.000, 0.000, -6.30 mm

Reference Value = 126.6 V/m; Power Drift = -0.035 dB

Average value of Total=(174.2+170.8) / 2 = 172.5 V/m

Peak E-field in V/m

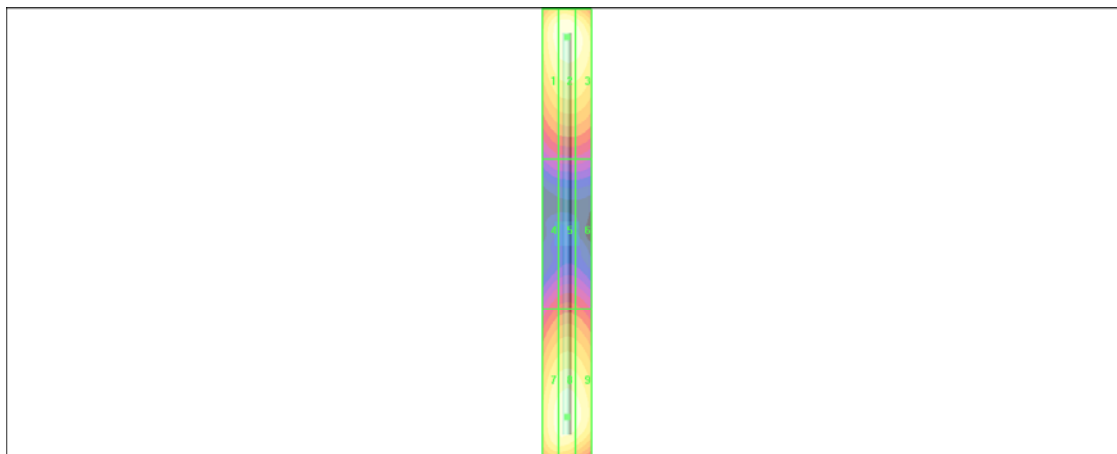
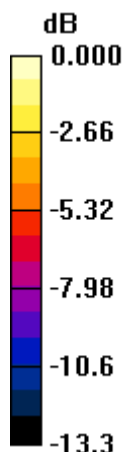
Grid 1 <b>168.0 M4</b>	Grid 2 <b>174.2 M4</b>	Grid 3 <b>169.1 M4</b>
Grid 4 <b>87.8 M4</b>	Grid 5 <b>91.1 M4</b>	Grid 6 <b>89.2 M4</b>
Grid 7 <b>165.5 M4</b>	Grid 8 <b>170.8 M4</b>	Grid 9 <b>165.6 M4</b>

#### Cursor:

Total = 174.2 V/m

E Category: M4

Location: 0, -79, 4.7 mm



0 dB = 174.2V/m

### HAC\_E\_Dipole\_835\_120224

#### DUT: Dipole 835 MHz

Communication System: CW; Frequency: 835 MHz; Duty Cycle: 1:1

Medium: Air Medium parameters used:  $\sigma = 0$  mho/m,  $\epsilon_r = 1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.4 °C

#### DASY4 Configuration:

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2012/1/26
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn778; Calibrated: 2011/11/22
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

#### E Scan - measurement distance from the probe sensor center to CD835 Dipole = 10mm/Hearing Aid Compatibility Test (41x361x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 170.7 V/m

Probe Modulation Factor = 1.00

Device Reference Point: 0.000, 0.000, -6.30 mm

Reference Value = 125.0 V/m; Power Drift = 0.016 dB

Average value of Total=(170.5+170.7) / 2 = 170.6 V/m

Peak E-field in V/m

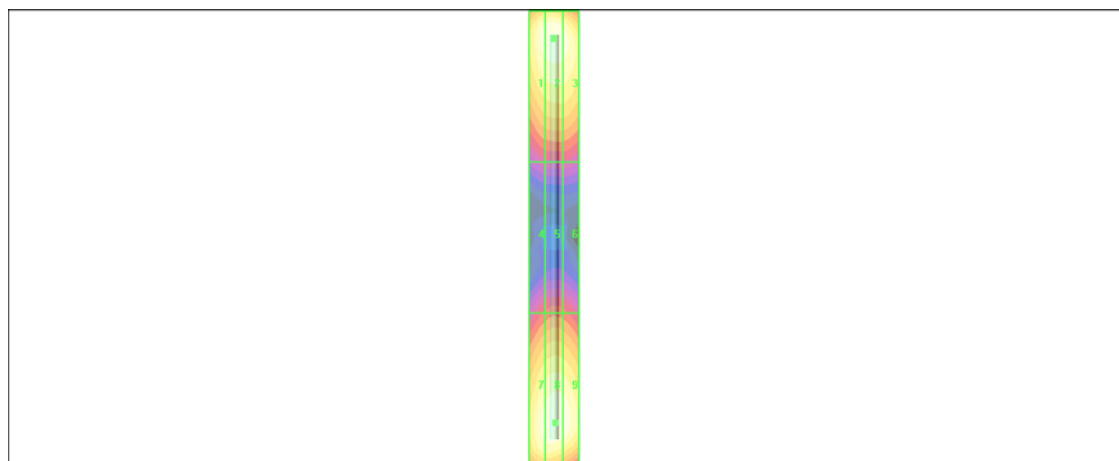
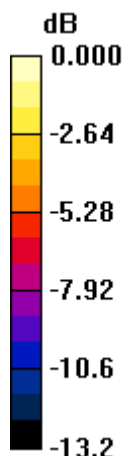
Grid 1 <b>165.1 M4</b>	Grid 2 <b>170.5 M4</b>	Grid 3 <b>163.4 M4</b>
Grid 4 <b>86.6 M4</b>	Grid 5 <b>90.3 M4</b>	Grid 6 <b>88.0 M4</b>
Grid 7 <b>163.3 M4</b>	Grid 8 <b>170.7 M4</b>	Grid 9 <b>167.5 M4</b>

#### Cursor:

Total = 170.7 V/m

E Category: M4

Location: -0.5, 73.5, 4.7 mm



0 dB = 170.7V/m

### HAC\_E\_Dipole\_1880\_120215

#### DUT: HAC Dipole 1880 MHz

Communication System: CW; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: Air Medium parameters used:  $\sigma = 0$  mho/m,  $\epsilon_r = 1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.3 °C

DASY4 Configuration:

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2012/1/26
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn495; Calibrated: 2011/4/28
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

#### E Scan - measurement distance from the probe sensor center to CD1880 Dipole = 10mm/Hearing Aid Compatibility Test (41x181x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 143.0 V/m

Probe Modulation Factor = 1.00

Device Reference Point: 0.000, 0.000, -6.30 mm

Reference Value = 145.4 V/m; Power Drift = -0.027 dB

Average value of Total=(143+143) / 2 = 143 V/m

Peak E-field in V/m

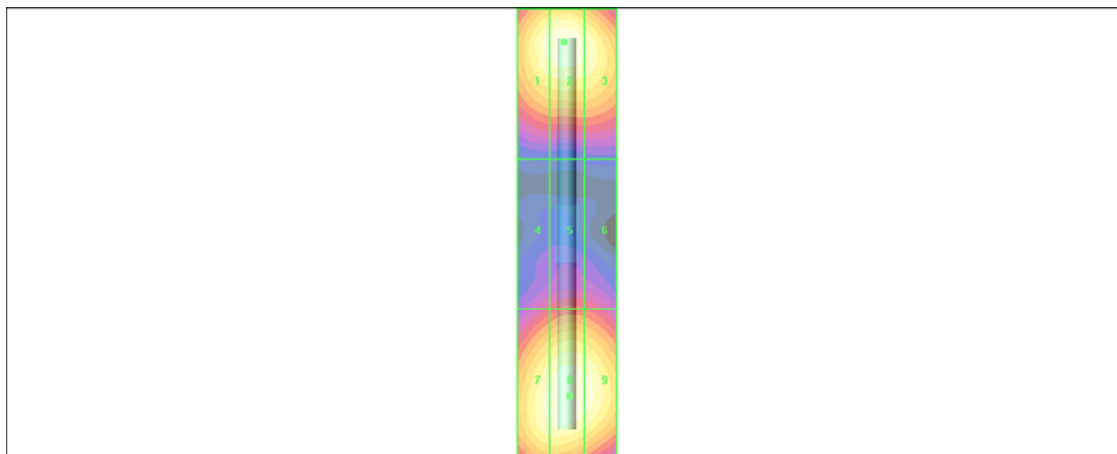
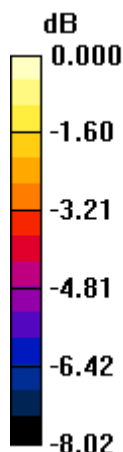
Grid 1 <b>138.8 M2</b>	Grid 2 <b>143.0 M2</b>	Grid 3 <b>136.0 M2</b>
Grid 4 <b>89.4 M3</b>	Grid 5 <b>95.2 M3</b>	Grid 6 <b>93.3 M3</b>
Grid 7 <b>138.2 M2</b>	Grid 8 <b>143.0 M2</b>	Grid 9 <b>139.6 M2</b>

#### Cursor:

Total = 143.0 V/m

E Category: M2

Location: 0.5, -38.5, 4.7 mm



0 dB = 143.0V/m

### HAC\_E\_Dipole\_1880\_120224

#### DUT: HAC Dipole 1880 MHz

Communication System: CW; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: Air Medium parameters used:  $\sigma = 0$  mho/m,  $\epsilon_r = 1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.4 °C

#### DASY4 Configuration:

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2012/1/26
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn778; Calibrated: 2011/11/22
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

#### E Scan - measurement distance from the probe sensor center to CD1880 Dipole = 10mm/Hearing Aid Compatibility Test (41x181x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 149.3 V/m

Probe Modulation Factor = 1.00

Device Reference Point: 0.000, 0.000, -6.30 mm

Reference Value = 147.5 V/m; Power Drift = -0.009 dB

Average value of Total=(149+146) / 2 = 147.5 V/m

Peak E-field in V/m

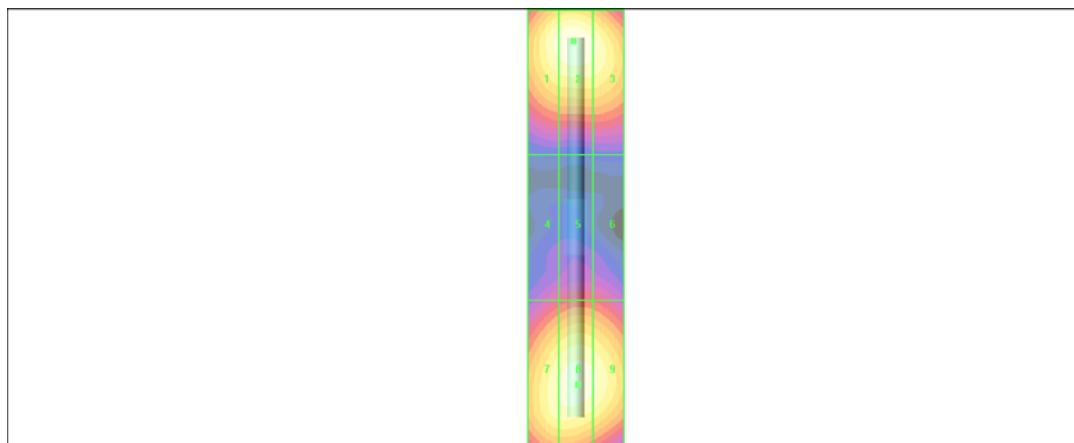
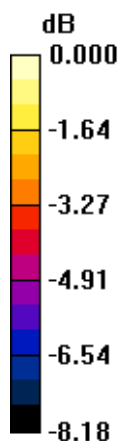
Grid 1 <b>144.5 M2</b>	Grid 2 <b>149.3 M2</b>	Grid 3 <b>142.3 M2</b>
Grid 4 <b>91.6 M3</b>	Grid 5 <b>97.4 M3</b>	Grid 6 <b>95.6 M3</b>
Grid 7 <b>141.0 M2</b>	Grid 8 <b>145.6 M2</b>	Grid 9 <b>142.2 M2</b>

#### Cursor:

Total = 149.3 V/m

E Category: M2

Location: 0.5, -38.5, 4.7 mm



0 dB = 149.3V/m

### HAC\_H\_Dipole\_835\_120215

#### DUT: HAC-Dipole 835 MHz

Communication System: CW; Frequency: 835 MHz; Duty Cycle: 1:1

Medium: Air Medium parameters used:  $\sigma = 0$  mho/m,  $\epsilon_r = 1$ ;  $\rho = 1$  kg/m<sup>3</sup>

Ambient Temperature : 22.3 °C

#### DASY4 Configuration:

- Probe: H3DV6 - SN6184; ; Calibrated: 2012/1/26
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn495; Calibrated: 2011/4/28
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

#### H Scan - measurement distance from the probe sensor center to CD835 Dipole = 10mm/Hearing Aid Compatibility Test (41x361x1): Measurement grid: dx=5mm, dy=5mm

Probe Modulation Factor = 1.00

Reference Value = 0.491 A/m; Power Drift = -0.006 dB

Maximum value of peak Total field = 0.443 A/m

Peak H-field in A/m

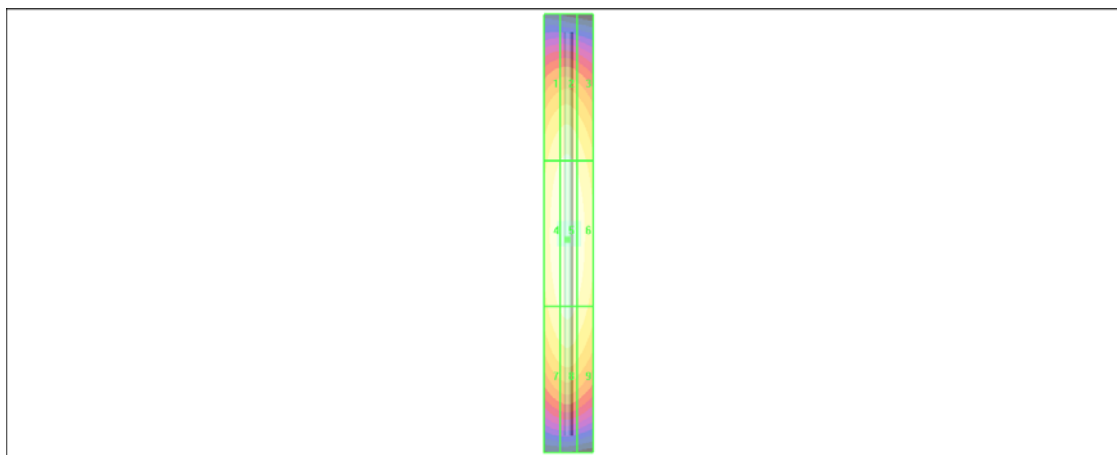
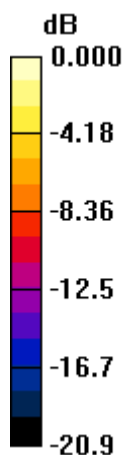
Grid 1 <b>0.377 M4</b>	Grid 2 <b>0.388 M4</b>	Grid 3 <b>0.363 M4</b>
Grid 4 <b>0.429 M4</b>	Grid 5 <b>0.443 M4</b>	Grid 6 <b>0.415 M4</b>
Grid 7 <b>0.384 M4</b>	Grid 8 <b>0.398 M4</b>	Grid 9 <b>0.371 M4</b>

#### Cursor:

Total = 0.443 A/m

H Category: M4

Location: 0.5, 2.5, 5.2 mm



0 dB = 0.443A/m

### HAC\_H\_Dipole\_835\_120224

#### DUT: HAC-Dipole 835 MHz

Communication System: CW; Frequency: 835 MHz; Duty Cycle: 1:1  
 Medium: Air Medium parameters used:  $\sigma = 0$  mho/m,  $\epsilon_r = 1$ ;  $\rho = 1$  kg/m<sup>3</sup>  
 Ambient Temperature : 22.4 °C

#### DASY4 Configuration:

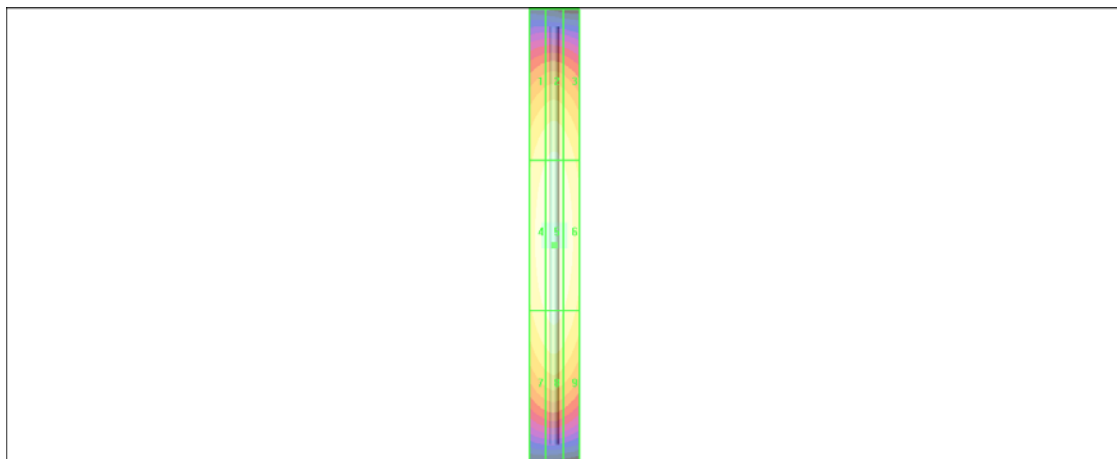
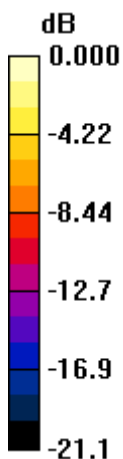
- Probe: H3DV6 - SN6184; ; Calibrated: 2012/1/26
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn778; Calibrated: 2011/11/22
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**H Scan - measurement distance from the probe sensor center to CD835 Dipole = 10mm/Hearing Aid Compatibility Test (41x361x1):** Measurement grid: dx=5mm, dy=5mm  
 Probe Modulation Factor = 1.00  
 Reference Value = 0.508 A/m; Power Drift = -0.008 dB  
 Maximum value of peak Total field = 0.459 A/m

Peak H-field in A/m

Grid 1	Grid 2	Grid 3
<b>0.388 M4</b>	<b>0.404 M4</b>	<b>0.386 M4</b>
Grid 4	Grid 5	Grid 6
<b>0.439 M4</b>	<b>0.459 M4</b>	<b>0.438 M4</b>
Grid 7	Grid 8	Grid 9
<b>0.394 M4</b>	<b>0.411 M4</b>	<b>0.391 M4</b>

**Cursor:**  
 Total = 0.459 A/m  
 H Category: M4  
 Location: 0, 4, 5.2 mm



0 dB = 0.459A/m

### HAC\_H\_Dipole\_1880\_120215

#### DUT: HAC Dipole 1880 MHz

Communication System: CW; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: Air Medium parameters used:  $\sigma = 0$  mho/m,  $\epsilon_r = 1$ ;  $\rho = 1$  kg/m<sup>3</sup>

Ambient Temperature : 22.3 °C

#### DASY4 Configuration:

- Probe: H3DV6 - SN6184; ; Calibrated: 2012/1/26
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn495; Calibrated: 2011/4/28
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

#### H Scan - measurement distance from the probe sensor center to CD1880 Dipole = 10mm/Hearing Aid Compatibility Test (41x181x1): Measurement grid: dx=5mm, dy=5mm

Probe Modulation Factor = 1.00

Reference Value = 0.542 A/m; Power Drift = 0.001 dB

Maximum value of peak Total field = 0.491 A/m

Peak H-field in A/m

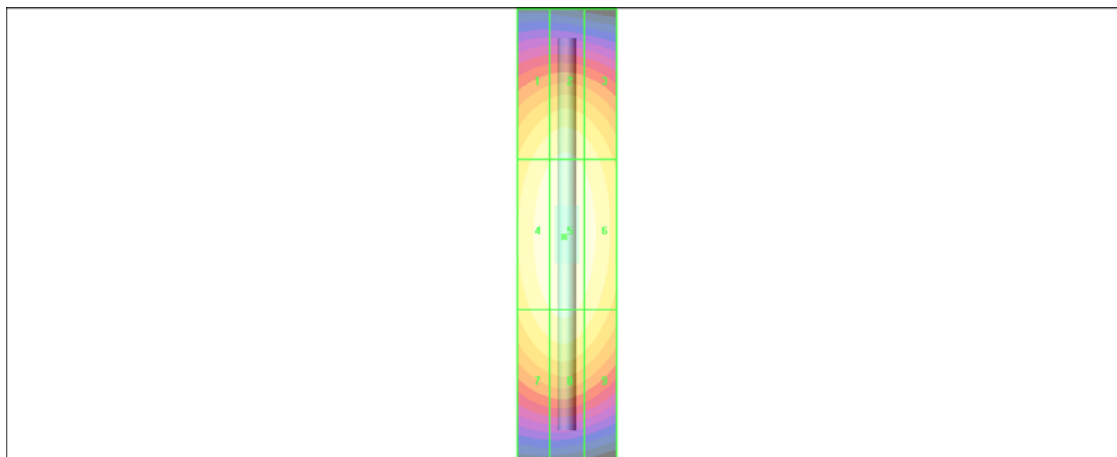
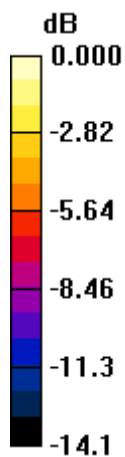
Grid 1	Grid 2	Grid 3
<b>0.435 M2</b>	<b>0.451 M2</b>	<b>0.429 M2</b>
Grid 4	Grid 5	Grid 6
<b>0.475 M2</b>	<b>0.491 M2</b>	<b>0.468 M2</b>
Grid 7	Grid 8	Grid 9
<b>0.439 M2</b>	<b>0.453 M2</b>	<b>0.426 M2</b>

**Cursor:**

Total = 0.491 A/m

H Category: M2

Location: 0.5, 0.5, 5.2 mm



0 dB = 0.491A/m

### HAC\_H\_Dipole\_1880\_120224

#### DUT: HAC Dipole 1880 MHz

Communication System: CW; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: Air Medium parameters used:  $\sigma = 0$  mho/m,  $\epsilon_r = 1$ ;  $\rho = 1$  kg/m<sup>3</sup>

Ambient Temperature : 22.4 °C

#### DASY4 Configuration:

- Probe: H3DV6 - SN6184; ; Calibrated: 2012/1/26
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn778; Calibrated: 2011/11/22
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

#### H Scan - measurement distance from the probe sensor center to CD1880 Dipole = 10mm/Hearing Aid Compatibility Test (41x181x1): Measurement grid: dx=5mm, dy=5mm

Probe Modulation Factor = 1.00

Reference Value = 0.506 A/m; Power Drift = -0.002 dB

Maximum value of peak Total field = 0.461 A/m

Peak H-field in A/m

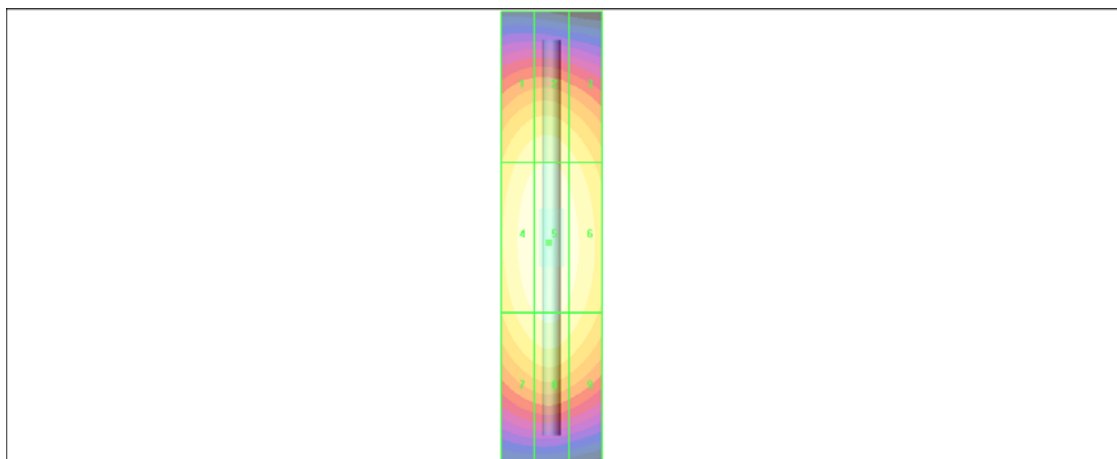
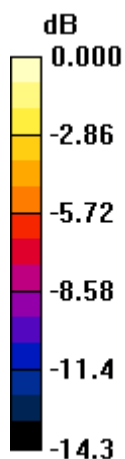
Grid 1 <b>0.405 M2</b>	Grid 2 <b>0.414 M2</b>	Grid 3 <b>0.389 M2</b>
Grid 4 <b>0.449 M2</b>	Grid 5 <b>0.461 M2</b>	Grid 6 <b>0.434 M2</b>
Grid 7 <b>0.412 M2</b>	Grid 8 <b>0.426 M2</b>	Grid 9 <b>0.400 M2</b>

#### Cursor:

Total = 0.461 A/m

H Category: M2

Location: 0.5, 1, 5.2 mm



0 dB = 0.461A/m