

HAC_E_Dipole_835_130617

DUT: HAC Dipole 835 MHz

Communication System: CW; Frequency: 835 MHz; Duty Cycle: 1:1
 Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³
 Ambient Temperature : 22.4 °C

DASY5 Configuration:

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2013/1/21;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1279; Calibrated: 2013/1/28
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

E Scan - measurement distance from the probe sensor center to CD835 = 10mm & 15mm/Hearing Aid Compatibility Test at 10mm distance (41x361x1): Interpolated grid:

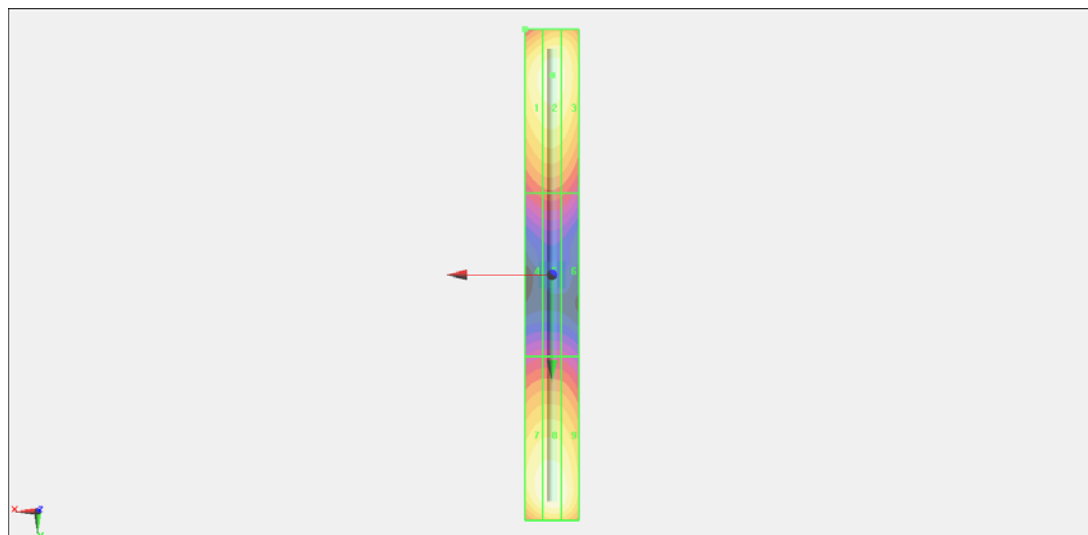
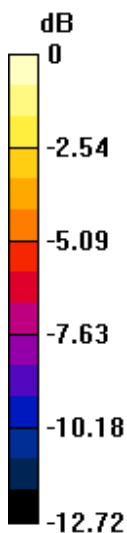
dx=0.5000 mm, dy=0.5000 mm
 Device Reference Point: 0, 0, -6.3 mm
 Reference Value = 117.2 V/m; Power Drift = 0.01 dB
 PMF = 1.000 is applied.
 E-field emissions = 173.6 V/m
 Average value of Total=(173.6+180.4) / 2 = 177 V/m

PMF scaled E-field

| | | |
|-------------------------------|-------------------------------|-------------------------------|
| Grid 1 M4 169.3 V/m | Grid 2 M4 173.6 V/m | Grid 3 M4 168.8 V/m |
| Grid 4 M4 96.09 V/m | Grid 5 M4 98.26 V/m | Grid 6 M4 94.78 V/m |
| Grid 7 M4 175.4 V/m | Grid 8 M4 180.4 V/m | Grid 9 M4 174.7 V/m |

Cursor:

Total = 180.4 V/m
 E Category: M4
 Location: 0, 79, 4.7 mm



0 dB = 180.4 V/m = 45.12 dBV/m

HAC_E_Dipole_1880_130617

DUT: HAC Dipole 1880 MHz

Communication System: CW; Frequency: 1880 MHz; Duty Cycle: 1:1
 Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³
 Ambient Temperature : 22.4 °C

DASY5 Configuration:

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2013/1/21;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1279; Calibrated: 2013/1/28
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

E Scan - measurement distance from the probe sensor center to CD1880 = 10mm & 15mm/Hearing Aid Compatibility Test at 10mm distance (41x181x1): Interpolated grid:

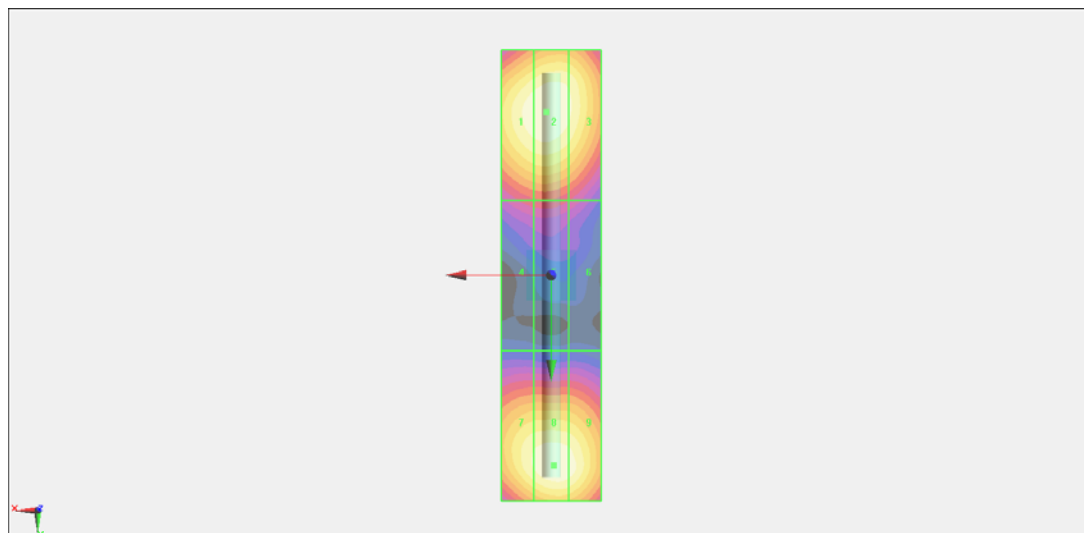
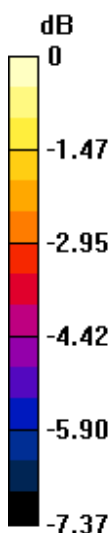
dx=0.5000 mm, dy=0.5000 mm
 Device Reference Point: 0, 0, -6.3 mm
 Reference Value = 149.2 V/m; Power Drift = 0.02 dB
 PMF = 1.000 is applied.
 E-field emissions = 133.5 V/m
 Average value of Total=(133.5+133.5) / 2 = 133.5 V/m

PMF scaled E-field

| | | |
|-------------------------------|-------------------------------|-------------------------------|
| Grid 1 M2 131.4 V/m | Grid 2 M2 133.5 V/m | Grid 3 M2 128.1 V/m |
| Grid 4 M3 89.02 V/m | Grid 5 M3 90.07 V/m | Grid 6 M3 85.47 V/m |
| Grid 7 M2 127.3 V/m | Grid 8 M2 133.5 V/m | Grid 9 M2 130.9 V/m |

Cursor:

Total = 80.21 V/m
 E Category: M3
 Location: 10, -45, 4.7 mm



0 dB = 133.5 V/m = 42.51 dBV/m

HAC_E_Dipole_1730_130617

DUT: HAC Dipole 1730 MHz

Communication System: CW; Frequency: 1730 MHz; Duty Cycle: 1:1
 Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³
 Ambient Temperature : 22.4 °C

DASY5 Configuration:

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2013/1/21;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1279; Calibrated: 2013/1/28
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

E Scan - measurement distance from the probe sensor center to CD1730 = 10mm & 15mm/Hearing Aid Compatibility Test at 10mm distance (41x181x1): Interpolated grid:

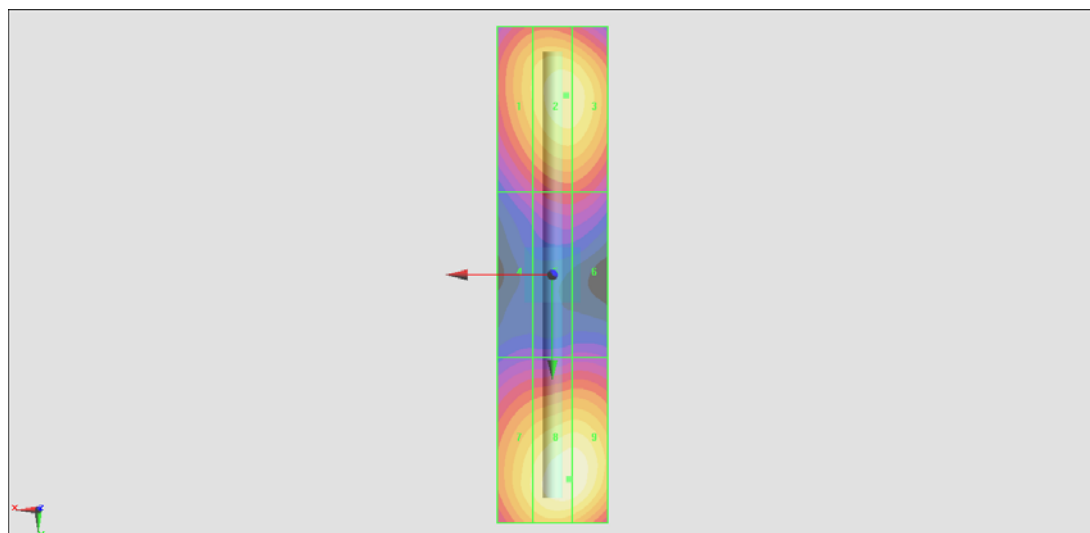
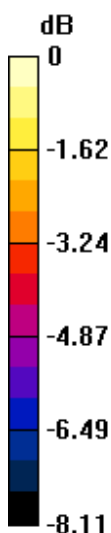
dx=0.5000 mm, dy=0.5000 mm
 Device Reference Point: 0, 0, -6.3 mm
 Reference Value = 186.5 V/m; Power Drift = -0.03 dB
 PMF = 1.000 is applied.
 E-field emissions = 169.8 V/m
 Average value of Total=(157.8+169.8) / 2 = 163.8 V/m

PMF scaled E-field

| | | |
|-------------------------------|-------------------------------|-------------------------------|
| Grid 1 M2 142.8 V/m | Grid 2 M2 157.8 V/m | Grid 3 M2 157.4 V/m |
| Grid 4 M3 100.4 V/m | Grid 5 M3 111.1 V/m | Grid 6 M3 110.9 V/m |
| Grid 7 M2 152.6 V/m | Grid 8 M2 169.8 V/m | Grid 9 M2 169.4 V/m |

Cursor:

Total = 169.8 V/m
 E Category: M2
 Location: -3, 37, 4.7 mm



0 dB = 169.8 V/m = 44.60 dBV/m

HAC_E_Dipole_1880_130620

DUT: HAC Dipole 1880 MHz

Communication System: CW; Frequency: 1880 MHz; Duty Cycle: 1:1
 Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³
 Ambient Temperature : 22.4 °C

DASY5 Configuration:

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2013/1/21;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn778; Calibrated: 2012/8/27
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

E Scan - measurement distance from the probe sensor center to CD1880 = 10mm & 15mm/Hearing Aid Compatibility Test at 10mm distance (41x181x1): Interpolated grid:

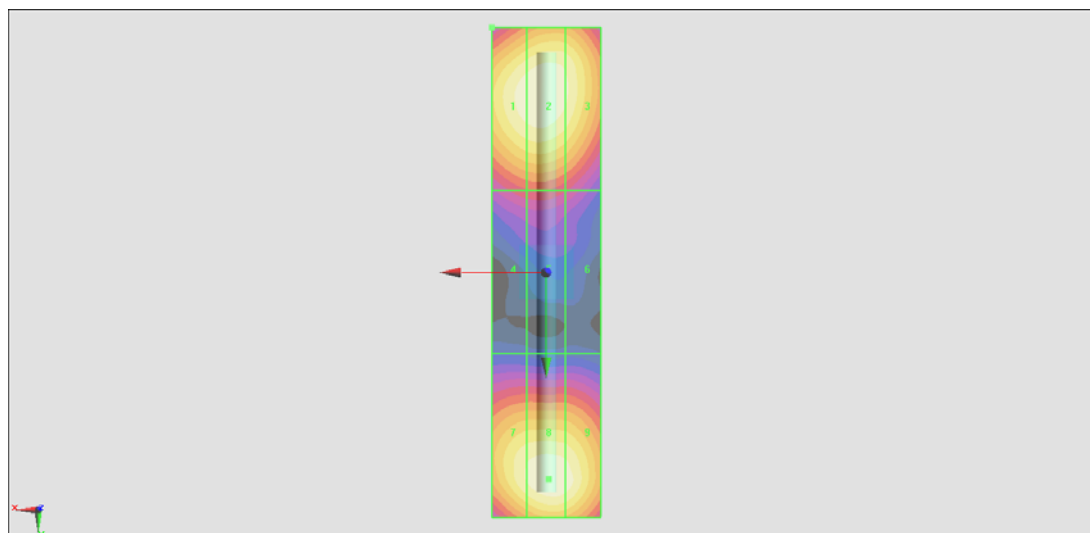
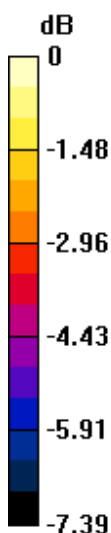
dx=0.5000 mm, dy=0.5000 mm
 Device Reference Point: 0, 0, -6.3 mm
 Reference Value = 149.2 V/m; Power Drift = 0.09 dB
 PMF = 1.000 is applied.
 E-field emissions = 133.6 V/m
 Average value of Total=(133.6+133.5) / 2 = 133.55 V/m

PMF scaled E-field

| | | |
|-------------------------------|-------------------------------|-------------------------------|
| Grid 1 M2 131.4 V/m | Grid 2 M2 133.6 V/m | Grid 3 M2 128.1 V/m |
| Grid 4 M3 89.03 V/m | Grid 5 M3 90.09 V/m | Grid 6 M3 85.47 V/m |
| Grid 7 M2 127.3 V/m | Grid 8 M2 133.5 V/m | Grid 9 M2 130.9 V/m |

Cursor:

Total = 80.15 V/m
 E Category: M3
 Location: 10, -45, 4.7 mm



0 dB = 133.6 V/m = 42.52 dBV/m

HAC_H_Dipole_835_130617

DUT: HAC Dipole 835 MHz

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

Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³

Ambient Temperature : 22.6 °C

DASY5 Configuration:

- Probe: H3DV6 - SN6184; ; Calibrated: 2013/1/21
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1279; Calibrated: 2013/1/28
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

H Scan - measurement distance from the probe sensor center to CD835 Dipole = 10mm/Hearing Aid Compatibility Test (41x361x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 0.5090 A/m; Power Drift = -0.00 dB

PMF = 1.000 is applied.

H-field emissions = 0.4794 A/m

PMF scaled H-field

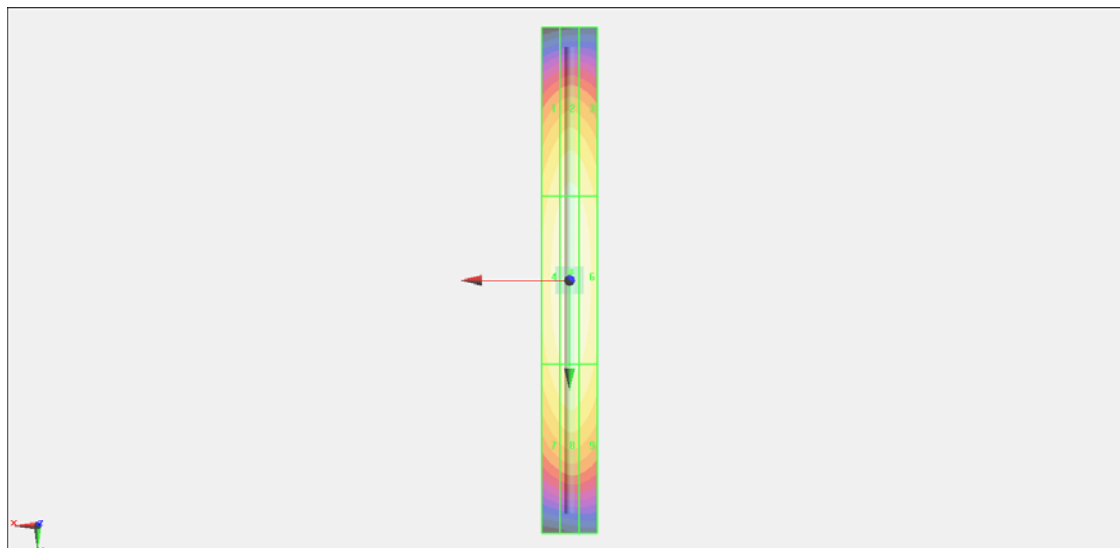
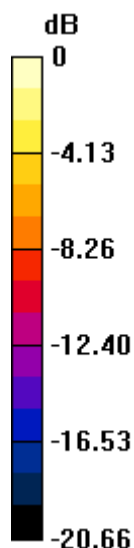
| | | |
|--------------------------------------|--------------------------------------|--------------------------------------|
| Grid 1 M4 0.404 A/m | Grid 2 M4 0.430 A/m | Grid 3 M4 0.414 A/m |
| Grid 4 M4 0.452 A/m | Grid 5 M4 0.479 A/m | Grid 6 M4 0.461 A/m |
| Grid 7 M4 0.402 A/m | Grid 8 M4 0.427 A/m | Grid 9 M4 0.412 A/m |

Cursor:

Total = 0.4794 A/m

H Category: M4

Location: -0.5, -3, 4.7 mm



0 dB = 0.4794 A/m = -6.39 dBA/m

HAC_H_Dipole_1880_130617

DUT: HAC Dipole 1880 MHz

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

Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³

Ambient Temperature : 22.6 °C

DASY5 Configuration:

- Probe: H3DV6 - SN6184; ; Calibrated: 2013/1/21
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1279; Calibrated: 2013/1/28
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

H Scan - measurement distance from the probe sensor center to CD1880 Dipole = 10mm/Hearing Aid Compatibility Test (41x181x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 0.4570 A/m; Power Drift = -0.00 dB

PMF = 1.000 is applied.

H-field emissions = 0.4323 A/m

PMF scaled H-field

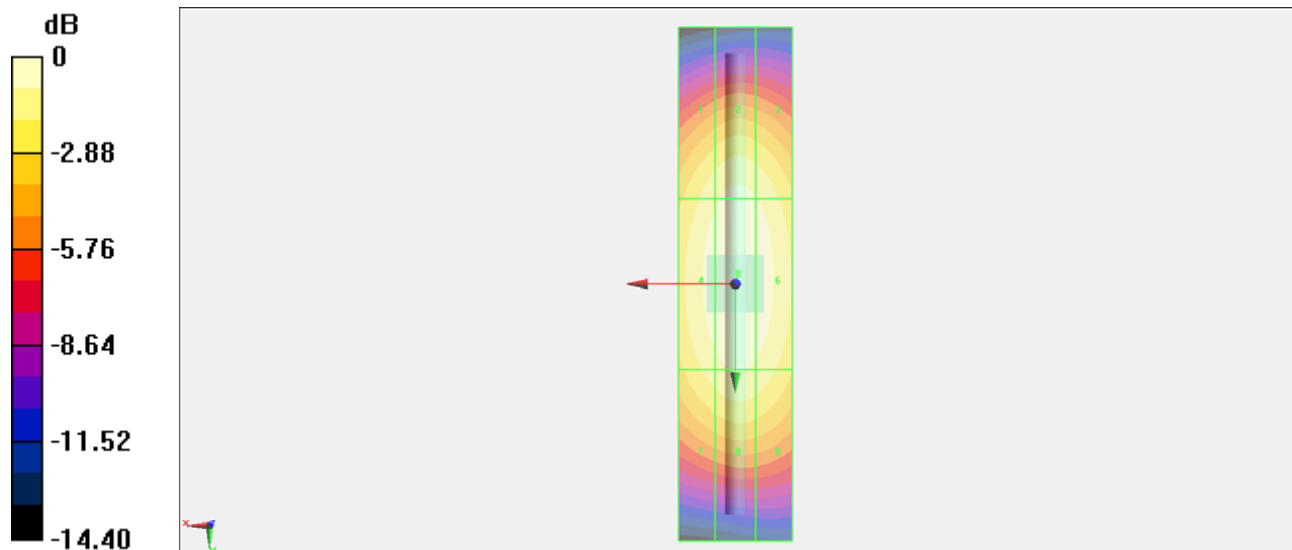
| | | |
|--------------------------------------|--------------------------------------|--------------------------------------|
| Grid 1 M2 0.379 A/m | Grid 2 M2 0.403 A/m | Grid 3 M2 0.389 A/m |
| Grid 4 M2 0.410 A/m | Grid 5 M2 0.432 A/m | Grid 6 M2 0.419 A/m |
| Grid 7 M2 0.369 A/m | Grid 8 M2 0.389 A/m | Grid 9 M2 0.377 A/m |

Cursor:

Total = 0.4323 A/m

H Category: M2

Location: -0.5, -2, 4.7 mm



0 dB = 0.4323 A/m = -7.28 dBA/m

HAC_H_Dipole_1730_130617

DUT: HAC Dipole 1730 MHz

Communication System: CW; Frequency: 1730 MHz; Duty Cycle: 1:1

Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³

Ambient Temperature : 22.4 °C

DASY5 Configuration:

- Probe: H3DV6 - SN6184; ; Calibrated: 2013/1/21
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1279; Calibrated: 2013/1/28
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

H Scan - measurement distance from the probe sensor center to CD1730 Dipole = 10mm/Hearing Aid Compatibility Test (41x181x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 0.5060 A/m; Power Drift = -0.02 dB

PMF = 1.000 is applied.

H-field emissions = 0.4795 A/m

PMF scaled H-field

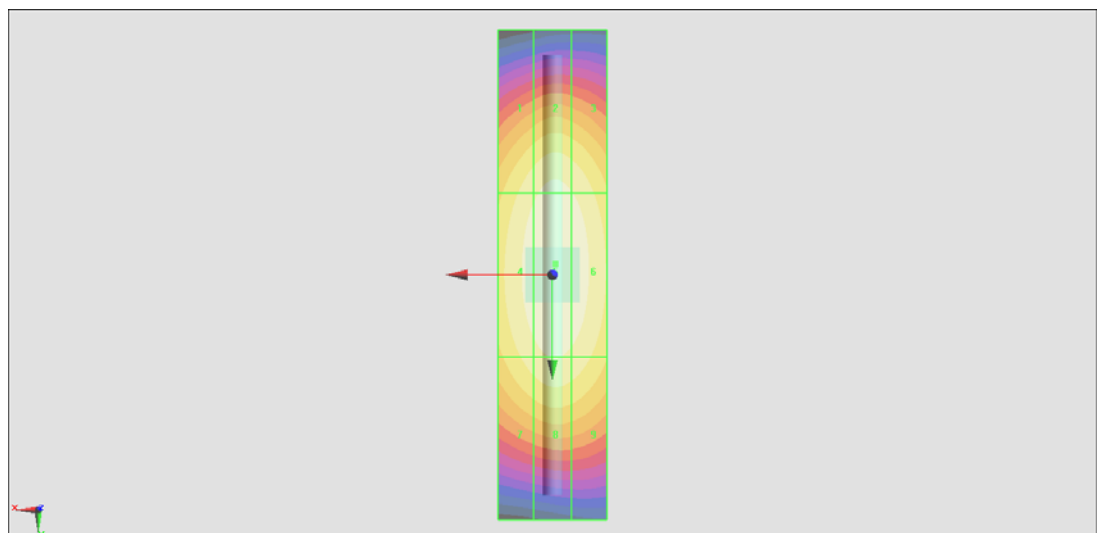
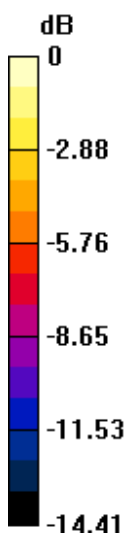
| | | |
|-------------------------------|-------------------------------|-------------------------------|
| Grid 1 M2 0.420 A/m | Grid 2 M2 0.447 A/m | Grid 3 M2 0.432 A/m |
| Grid 4 M2 0.455 A/m | Grid 5 M2 0.479 A/m | Grid 6 M2 0.464 A/m |
| Grid 7 M2 0.410 A/m | Grid 8 M2 0.432 A/m | Grid 9 M2 0.419 A/m |

Cursor:

Total = 0.4795 A/m

H Category: M2

Location: -0.5, -2, 4.7 mm



0 dB = 0.4795 A/m = -6.38 dBA/m

HAC_H_Dipole_1880_130620

DUT: HAC Dipole 1880 MHz

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

Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³

Ambient Temperature : 22.4 °C

DASY5 Configuration:

- Probe: H3DV6 - SN6184; ; Calibrated: 2013/1/21
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn778; Calibrated: 2012/8/27
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

H Scan - measurement distance from the probe sensor center to CD1880 Dipole = 10mm/Hearing Aid Compatibility Test (41x181x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 0.4560 A/m; Power Drift = -0.06 dB

PMF = 1.000 is applied.

H-field emissions = 0.4320 A/m

PMF scaled H-field

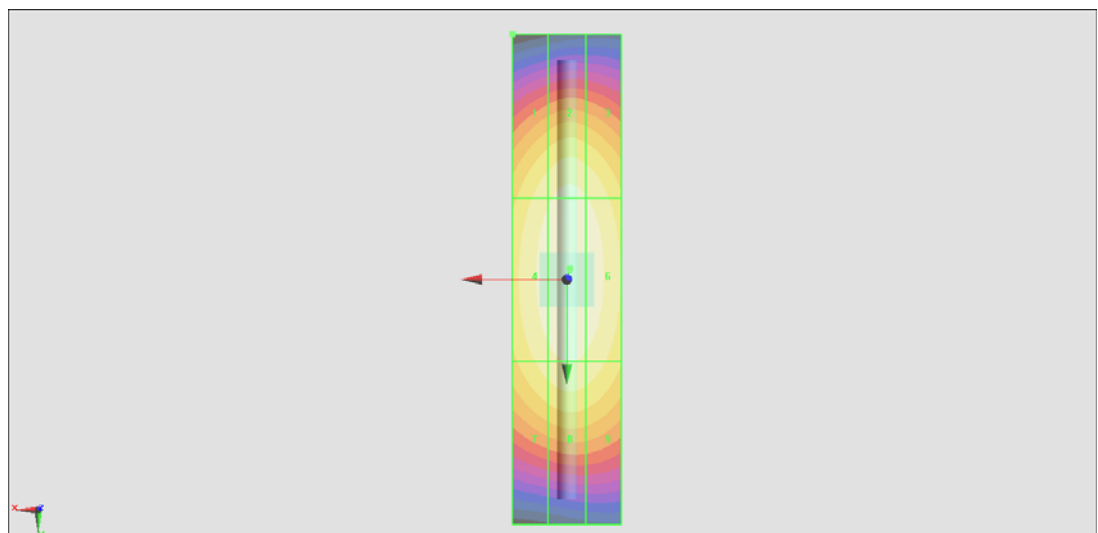
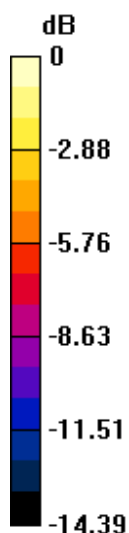
| | | |
|-------------------------------|-------------------------------|-------------------------------|
| Grid 1 M2 0.379 A/m | Grid 2 M2 0.402 A/m | Grid 3 M2 0.389 A/m |
| Grid 4 M2 0.410 A/m | Grid 5 M2 0.432 A/m | Grid 6 M2 0.419 A/m |
| Grid 7 M2 0.369 A/m | Grid 8 M2 0.389 A/m | Grid 9 M2 0.377 A/m |

Cursor:

Total = 0.08245 A/m

H Category: M4

Location: 10, -45, 4.7 mm



0 dB = 0.4320 A/m = -7.29 dBA/m