

**HAC\_E\_Dipole\_835\_100605**

**DUT: Dipole 835 MHz**

Communication System: GSM850; 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

DASY5 Configuration:

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2010/1/22
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn778; Calibrated: 2009/9/18
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

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

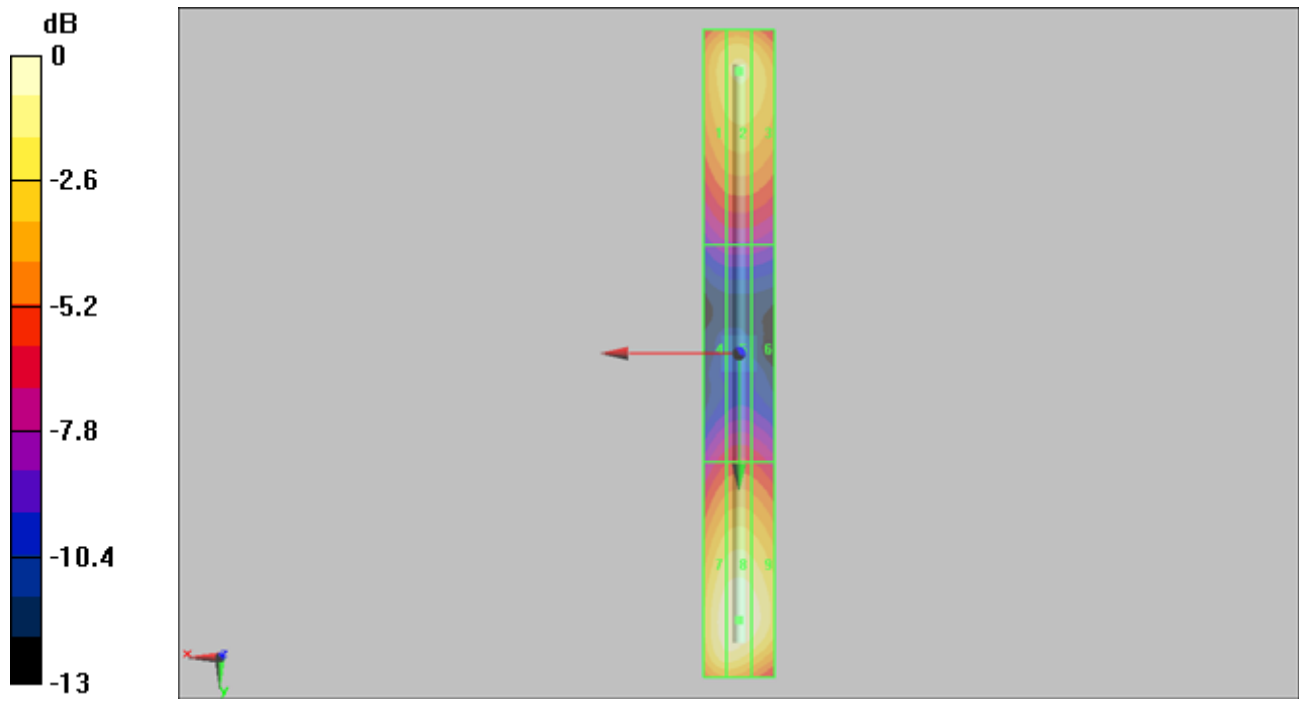
Probe Modulation Factor = 1

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 140.9 V/m; Power Drift = -0.00221 dB

**Average Value of Total = (164.2 + 196.1) / 2 = 180.15 V/m**

Grid 1 <b>158.4 M4</b>	Grid 2 <b>164.2 M4</b>	Grid 3 <b>159.8 M4</b>
Grid 4 <b>96.5 M4</b>	Grid 5 <b>100.1 M4</b>	Grid 6 <b>97.5 M4</b>
Grid 7 <b>191.8 M4</b>	Grid 8 <b>196.1 M4</b>	Grid 9 <b>189.0 M4</b>



0 dB = 196.1V/m

**HAC\_E\_Dipole\_1880\_100605**

**DUT: HAC Dipole 1880 MHz**

Communication System: GSM850; 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 : 22.5

DASY5 Configuration:

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2010/1/22
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn778; Calibrated: 2009/9/18
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

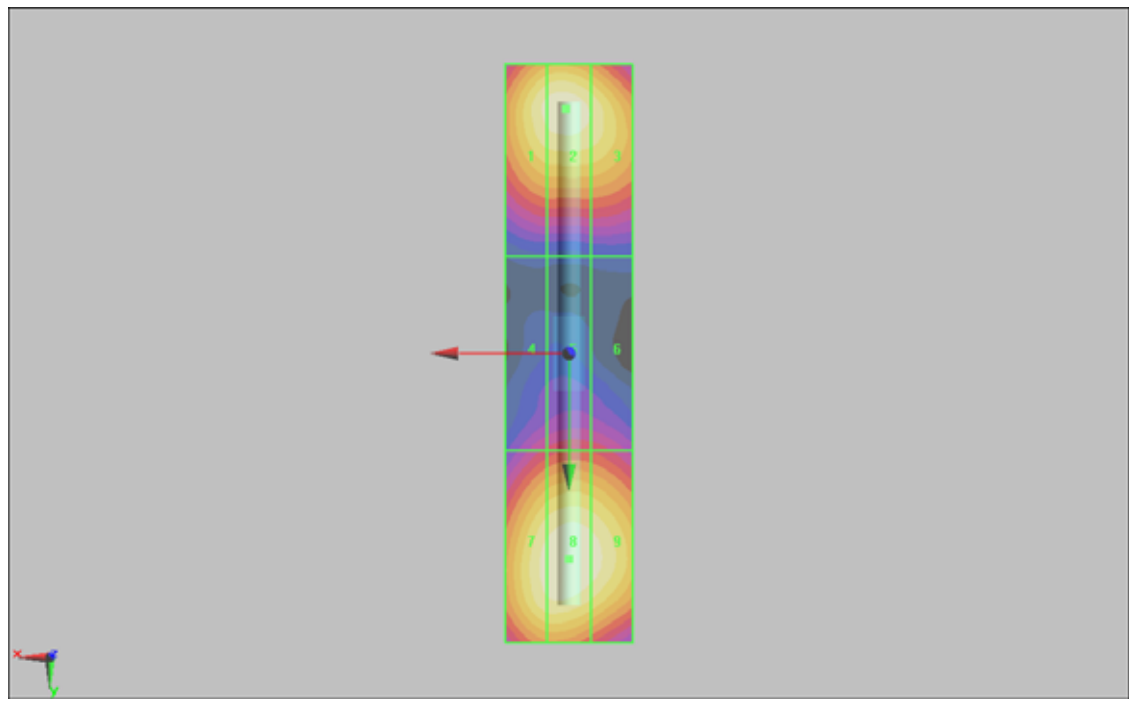
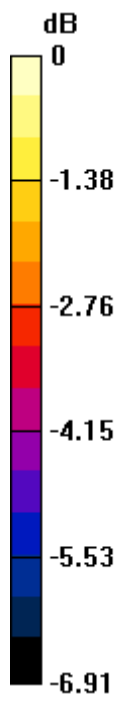
**E Scan - measurement distance from the probe sensor center to CD1880 Dipole = 10mm/Hearing Aid Compatibility Test (41x181x1):** Measurement grid: dx=5mm, dy=5mm

Probe Modulation Factor = 1

Reference Value = 144.0 V/m; Power Drift = -0.018 dB

**Average Value of Total = (140.0 + 141.9) / 2 = 140.95 V/m**

Grid 1 <b>137.1 M2</b>	Grid 2 <b>140.0 M2</b>	Grid 3 <b>133.8 M2</b>
Grid 4 <b>94.3 M3</b>	Grid 5 <b>98.2 M3</b>	Grid 6 <b>96.9 M3</b>
Grid 7 <b>138.3 M2</b>	Grid 8 <b>141.9 M2</b>	Grid 9 <b>138.5 M2</b>



0 dB = 141.9V/m

**HAC\_H\_Dipole\_835\_100605****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 : 22.04

## DASY5 Configuration:

- Probe: H3DV6 - SN6184; ; Calibrated: 2010/1/22

- Sensor-Surface: (Fix Surface)

- Electronics: DAE4 Sn778; Calibrated: 2009/9/18

- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;

- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

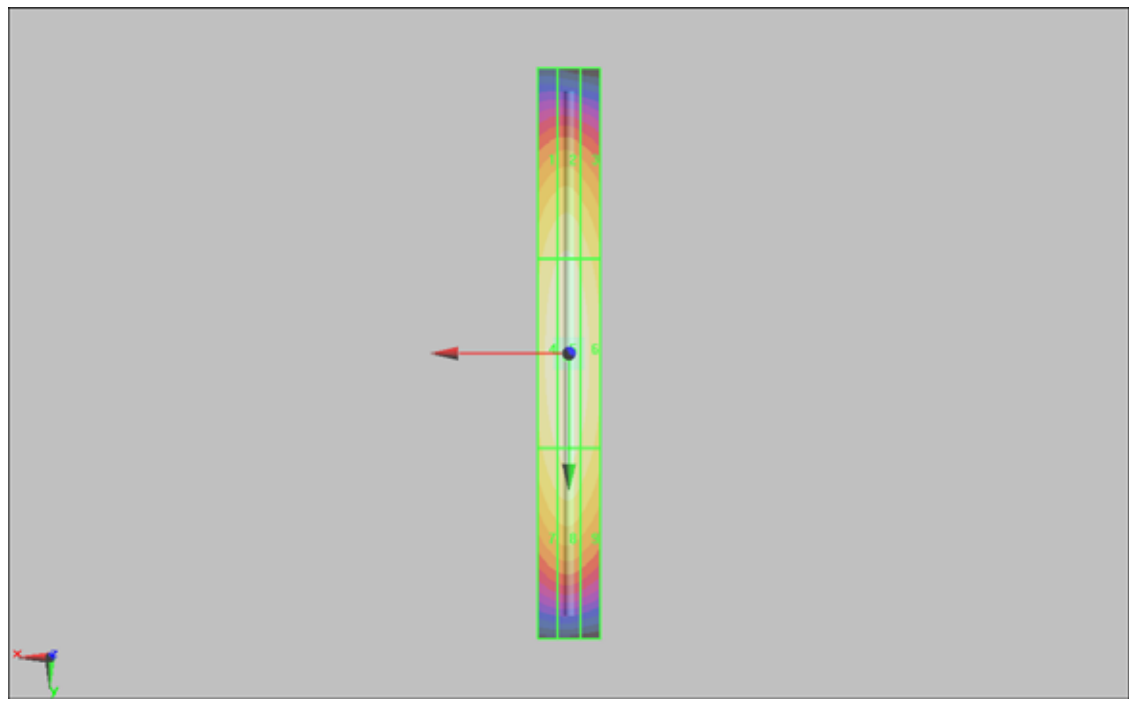
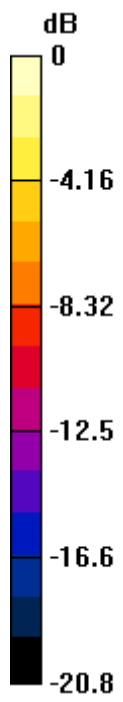
**H Scan - measurement distance from the probe sensor center to CD835 Dipole = 10mm/Hearing Aid Compatibility Test (41x361x1):** Measurement grid: dx=5mm, dy=5mm

Probe Modulation Factor = 1

Reference Value = 0.482 A/m; Power Drift = 0.00742 dB

**Maximum Value of Total = 0.434 A/m**

Grid 1 <b>0.369 M4</b>	Grid 2 <b>0.380 M4</b>	Grid 3 <b>0.354 M4</b>
Grid 4 <b>0.419 M4</b>	Grid 5 <b>0.434 M4</b>	Grid 6 <b>0.406 M4</b>
Grid 7 <b>0.375 M4</b>	Grid 8 <b>0.389 M4</b>	Grid 9 <b>0.363 M4</b>



0 dB = 0.434A/m

**HAC\_H\_Dipole\_1880\_100605**

**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 : 22.6

DASY5 Configuration:

- Probe: H3DV6 - SN6184; ; Calibrated: 2010/1/22

- Sensor-Surface: (Fix Surface)

- Electronics: DAE4 Sn778; Calibrated: 2009/9/18

- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;

- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

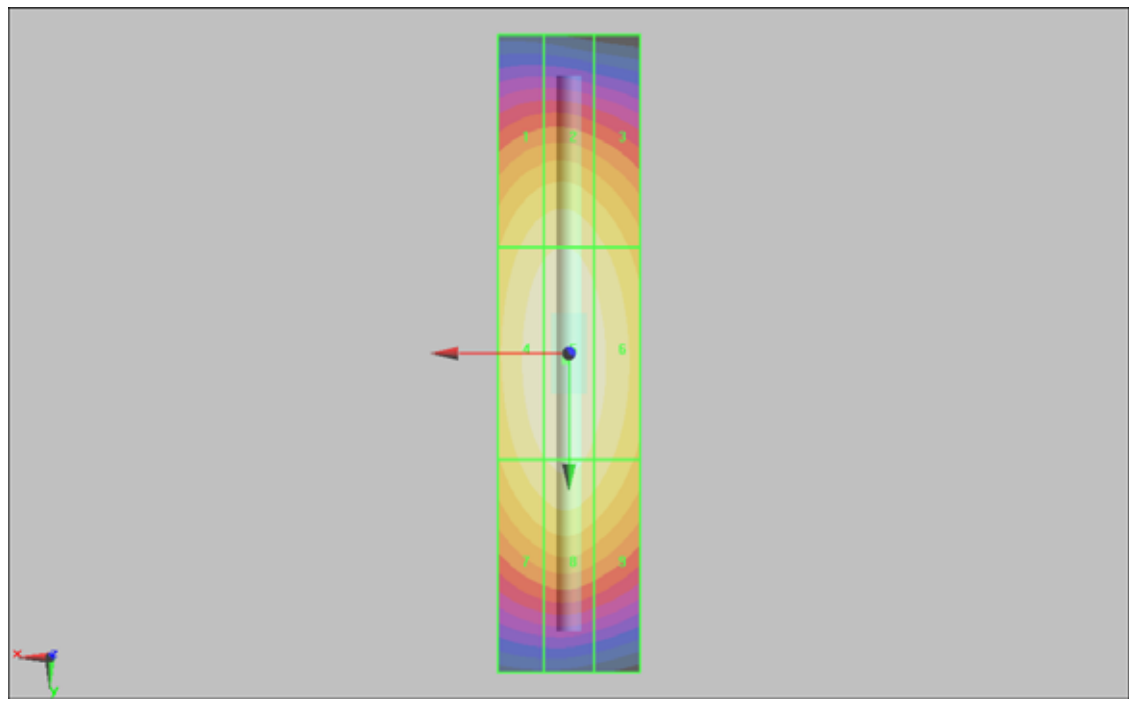
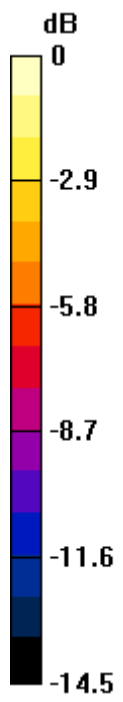
**H Scan - measurement distance from the probe sensor center to CD1880 Dipole = 10mm/Hearing Aid Compatibility Test (41x181x1): Measurement grid: dx=5mm, dy=5mm**

Probe Modulation Factor = 1

Reference Value = 0.512 A/m; Power Drift = -0.00194 dB

**Maximum Value of Total = 0.466 A/m**

Grid 1 <b>0.407 M2</b>	Grid 2 <b>0.417 M2</b>	Grid 3 <b>0.391 M2</b>
Grid 4 <b>0.452 M2</b>	Grid 5 <b>0.466 M2</b>	Grid 6 <b>0.438 M2</b>
Grid 7 <b>0.415 M2</b>	Grid 8 <b>0.430 M2</b>	Grid 9 <b>0.403 M2</b>



0 dB = 0.466A/m