

**HAC\_E\_Dipole\_835\_090630**

**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 : 22.0

DASY5 Configuration:

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2009/1/14
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn778; Calibrated: 2008/9/22
- 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 CD835 Dipole = 10mm/Hearing Aid Compatibility Test (41x361x1):** Measurement grid: dx=5mm, dy=5mm

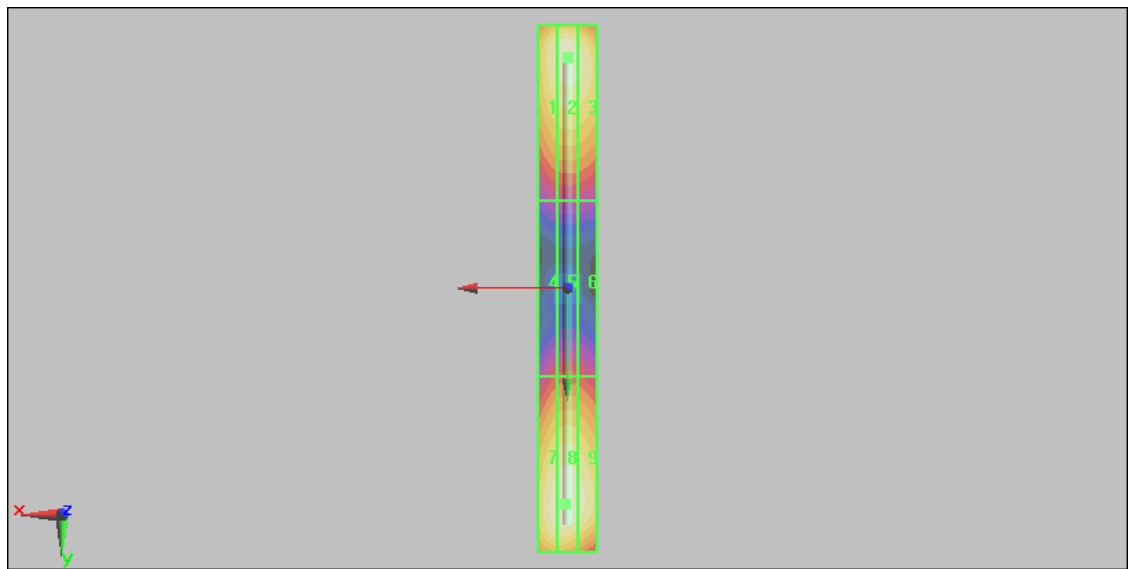
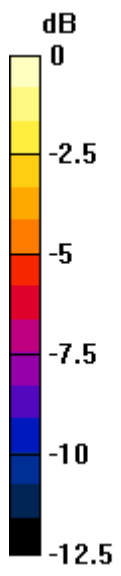
Probe Modulation Factor = 1

Reference Value = 131.3 V/m; Power Drift = -0.0093 dB

**Average value of Total=(173.3 + 175.4) / 2 = 174.35 V/m**

Peak E-field in V/m

Grid 1 <b>166.4 M4</b>	Grid 2 <b>173.3 M4</b>	Grid 3 <b>167.7 M4</b>
Grid 4 <b>91.4 M4</b>	Grid 5 <b>94.5 M4</b>	Grid 6 <b>92.1 M4</b>
Grid 7 <b>172.6 M4</b>	Grid 8 <b>175.4 M4</b>	Grid 9 <b>169.5 M4</b>



0 dB = 175.4V/m

**HAC\_E\_Dipole\_1880\_090630****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 : 22.0

DASY5 Configuration:

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2009/1/14

- Sensor-Surface: (Fix Surface)

- Electronics: DAE4 Sn778; Calibrated: 2008/9/22

- 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 - ER probe center 10mm above CD1880 Dipole/Hearing Aid Compatibility Test**

**(41x181x1)**: Measurement grid: dx=5mm, dy=5mm

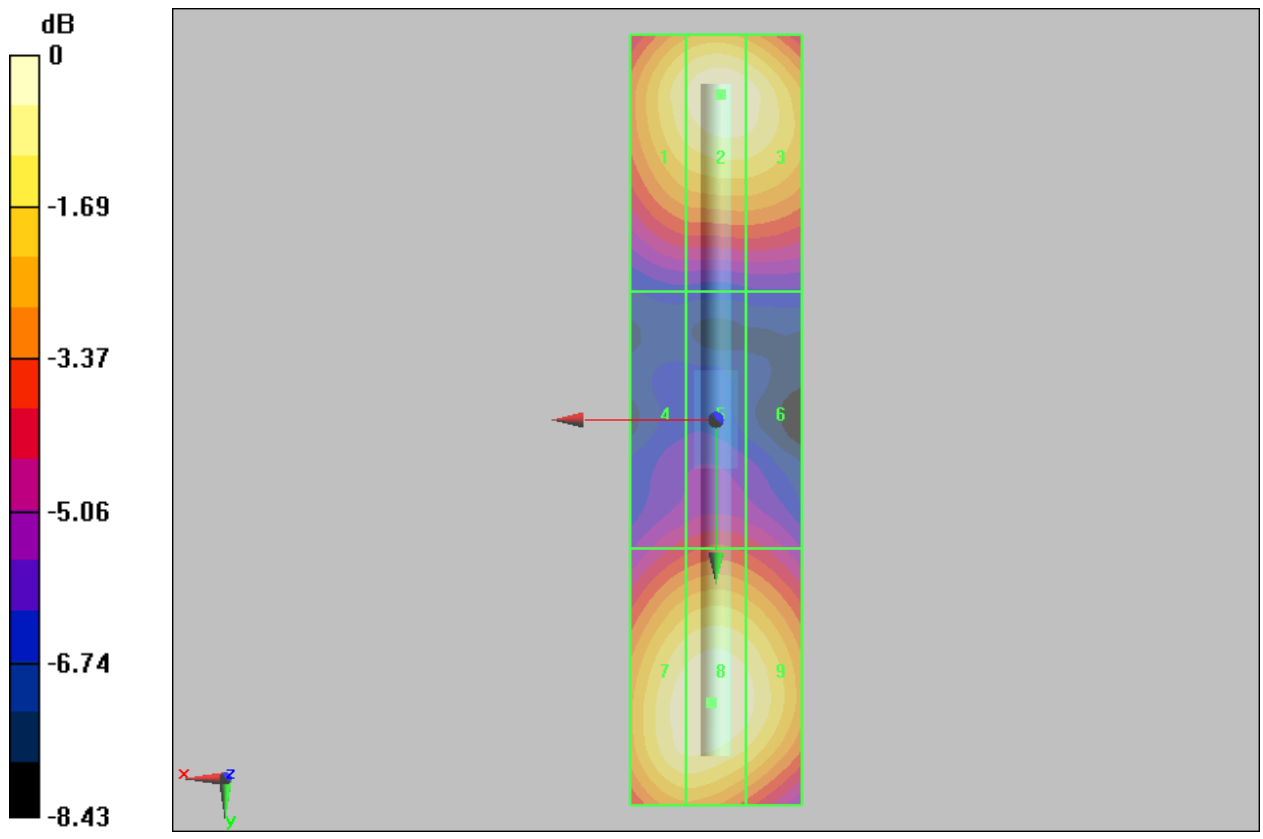
Probe Modulation Factor = 1

Reference Value = 71.8 V/m; Power Drift = -0.012 dB

**Average value of Total=(148.6 + 148.8) / 2 = 148.7 V/m**

Peak E-field in V/m

Grid 1 <b>139.5 M2</b>	Grid 2 <b>148.6 M2</b>	Grid 3 <b>145.0 M2</b>
Grid 4 <b>92.5 M3</b>	Grid 5 <b>96.4 M3</b>	Grid 6 <b>93.2 M3</b>
Grid 7 <b>146.3 M2</b>	Grid 8 <b>148.8 M2</b>	Grid 9 <b>143.0 M2</b>



**HAC\_H\_Dipole\_835\_090630**

**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 : 22.1

DASY5 Configuration:

- Probe: H3DV6 - SN6184; ; Calibrated: 2009/1/19
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn778; Calibrated: 2008/9/22
- 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 - H3DV6 probe center 10mm above CD835 Dipole/Hearing Aid Compatibility Test**

**(41x361x1):** Measurement grid: dx=5mm, dy=5mm

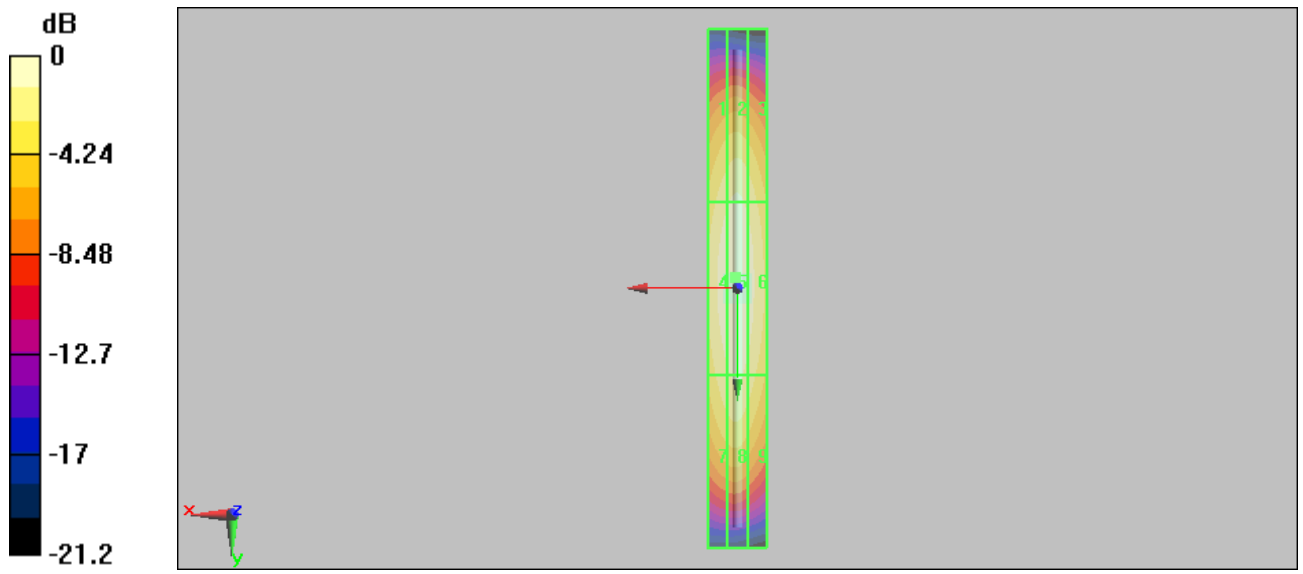
Probe Modulation Factor = 1

Reference Value = 0.447 A/m; Power Drift = -0.010 dB

**Maximum value of Total = 0.461 A/m**

Peak H-field in A/m

Grid 1 <b>0.384 M4</b>	Grid 2 <b>0.405 M4</b>	Grid 3 <b>0.377 M4</b>
Grid 4 <b>0.440 M4</b>	Grid 5 <b>0.461 M4</b>	Grid 6 <b>0.427 M4</b>
Grid 7 <b>0.382 M4</b>	Grid 8 <b>0.402 M4</b>	Grid 9 <b>0.371 M4</b>



0 dB = 0.461A/m

**HAC\_H\_Dipole\_1880\_090630****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 : 22.1

## DASY5 Configuration:

- Probe: H3DV6 - SN6184; ; Calibrated: 2009/1/19

- Sensor-Surface: (Fix Surface)

- Electronics: DAE4 Sn778; Calibrated: 2008/9/22

- 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 - HSDV6 probe center 10mm above CD1880 Dipole/Hearing Aid Compatibility Test****(41x181x1)**: Measurement grid: dx=5mm, dy=5mm

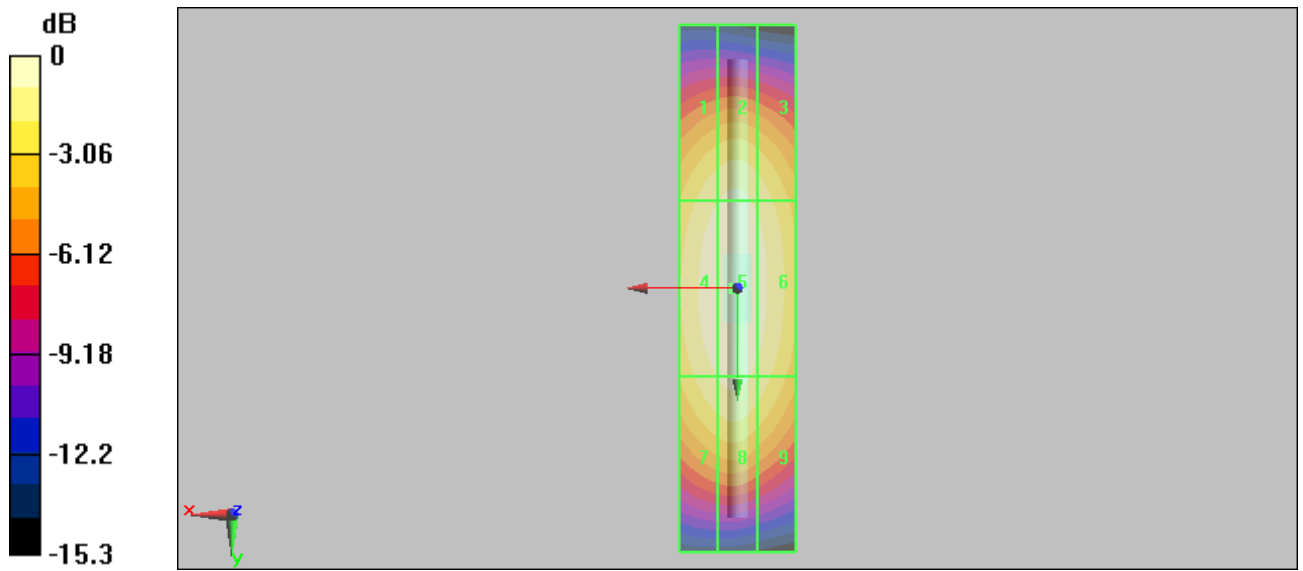
Probe Modulation Factor = 1

Reference Value = 0.485 A/m; Power Drift = 0.00367 dB

**Maximum value of Total = 0.498 A/m**

Peak H-field in A/m

Grid 1 <b>0.440 M2</b>	Grid 2 <b>0.459 M2</b>	Grid 3 <b>0.429 M2</b>
Grid 4 <b>0.482 M2</b>	Grid 5 <b>0.498 M2</b>	Grid 6 <b>0.465 M2</b>
Grid 7 <b>0.444 M2</b>	Grid 8 <b>0.461 M2</b>	Grid 9 <b>0.426 M2</b>



0 dB = 0.498A/m