Appendix A. Plots of System Performance Check

The plots are shown as follows.

HAC_E_Dipole_835_110619

DUT: Dipole 835 MHz

Communication System: CW; Frequency: 835 MHz;Duty Cycle: 1:1
Medium: Air Medium parameters used: $\sigma = 0$ mho/m, $\varepsilon_r = 1$; $\rho = 1000$ kg/m^3
Ambient Temperature：22.5 ℃

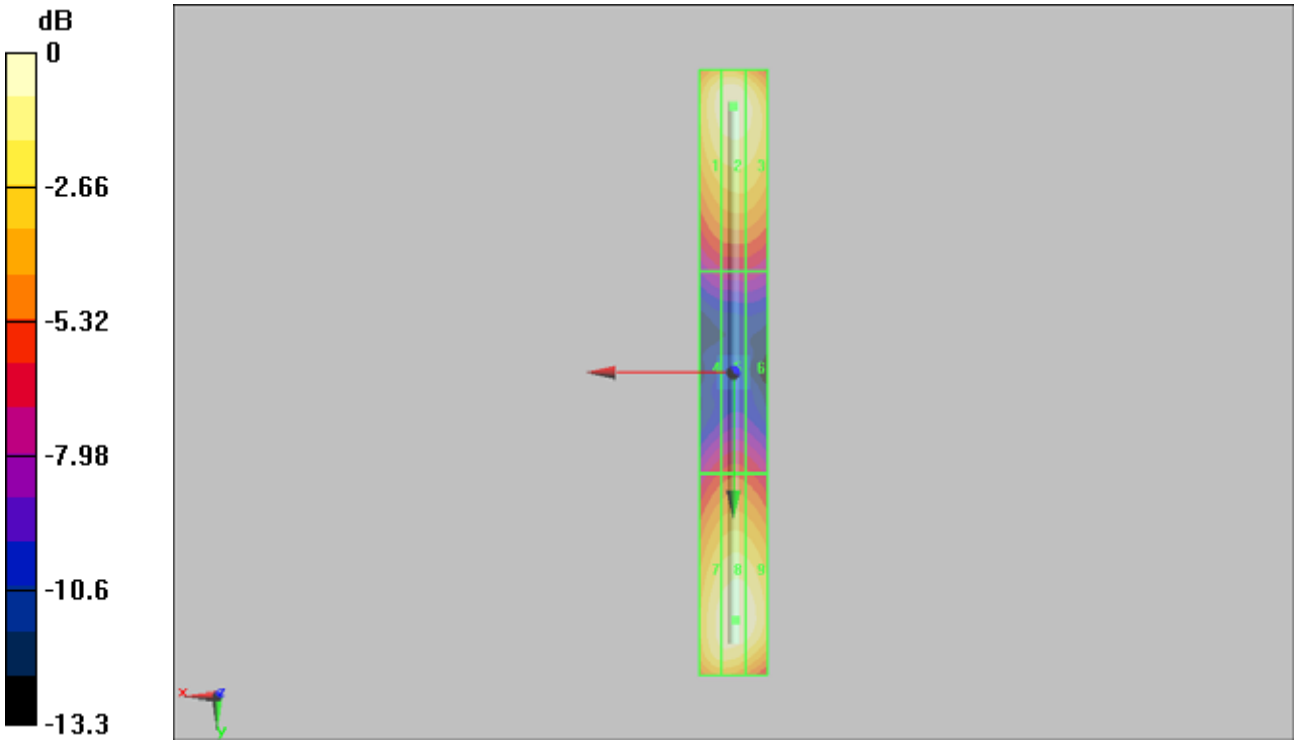
DASY5 Configuration:
- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2011/1/14
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1249; Calibrated: 2011/2/21
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

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 = 122.5 V/m; Power Drift = -0.019 dB
Average value of Total=(167.5+ 167.6) / 2 = 167.55 V/m

Peak E-field in V/m

Grid 1 **161.8 M4**	Grid 2 **167.5 M4**	Grid 3 **160.2 M4**
Grid 4 **84.6 M4**	Grid 5 **88.4 M4**	Grid 6 **86 M4**
Grid 7 **159.8 M4**	Grid 8 **167.6 M4**	Grid 9 **164.4 M4**

Cursor:
Total = 167.6 V/m
E Category: M4
Location: -0.5, 73.5, 4.7 mm



0 dB = 167.6V/m

HAC_E_Dipole_1880_110619

DUT: HAC Dipole 1880 MHz

Communication System: CW; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium: Air Medium parameters used: $\sigma = 0$ mho/m, $\varepsilon_r = 1$; $\rho = 1000$ kg/m^3
Ambient Temperature：22.6 ℃

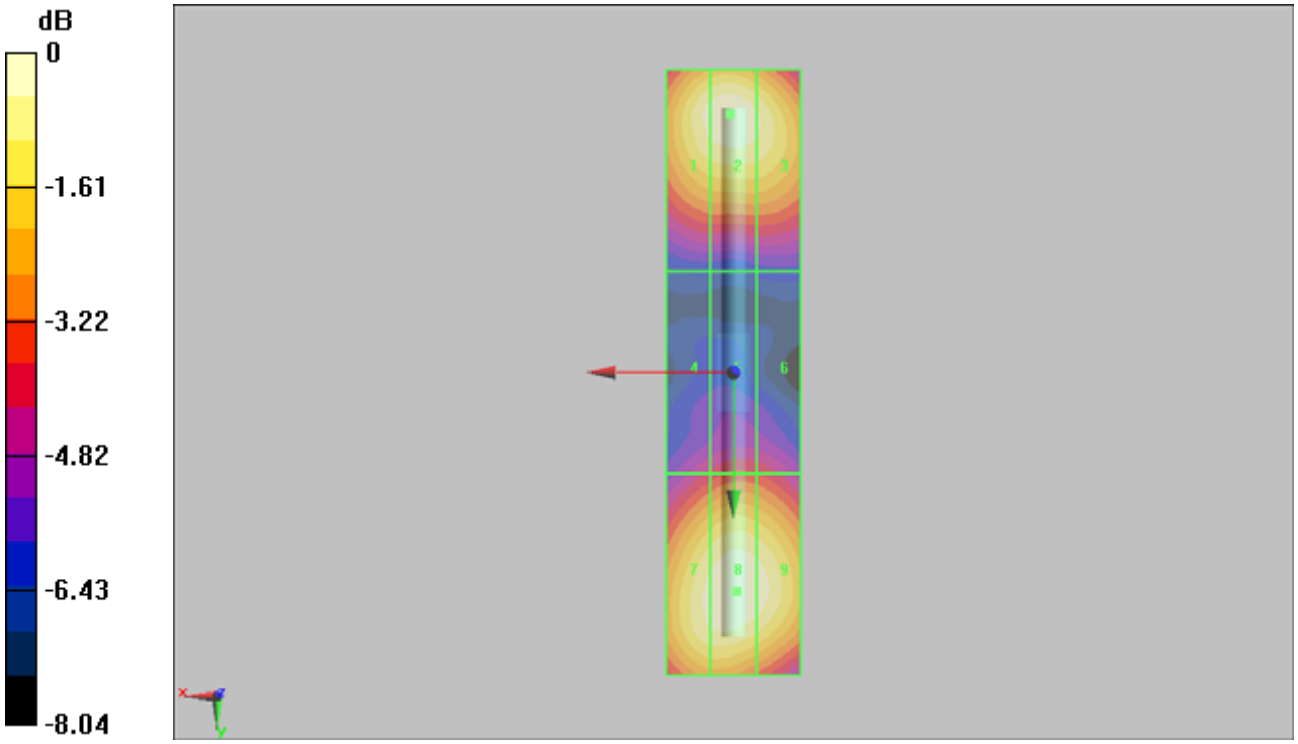
DASY5 Configuration:
- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2011/1/14
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1249; Calibrated: 2011/2/21
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

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 = 129.2 V/m; Power Drift = 0.0064 dB
Average value of Total=(127.1+ 127.0) / 2 = 127.05 V/m

Peak E-field in V/m

Grid 1 **123.4 M2**	Grid 2 **127.1 M2**	Grid 3 **121.0 M2**
Grid 4 **79.2 M3**	Grid 5 **84.5 M3**	Grid 6 **82.8 M3**
Grid 7 **122.8 M2**	Grid 8 **127.0 M2**	Grid 9 **124.0 M2**

Cursor:
Total = 127.1 V/m
E Category: M2
Location: 0.5, -38.5, 4.7 mm



0 dB = 127.1V/m

HAC_H_Dipole_835_110619

DUT: HAC-Dipole 835 MHz

Communication System: CW; Frequency: 835 MHz;Duty Cycle: 1:1
Medium: Air Medium parameters used: $\sigma = 0$ mho/m, $\varepsilon_r = 1$; $\rho = 1$ kg/m^3
Ambient Temperature：22.4 ℃

DASY5 Configuration:
- Probe: H3DV6 - SN6184; ; Calibrated: 2011/1/25
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1249; Calibrated: 2011/2/21
- 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

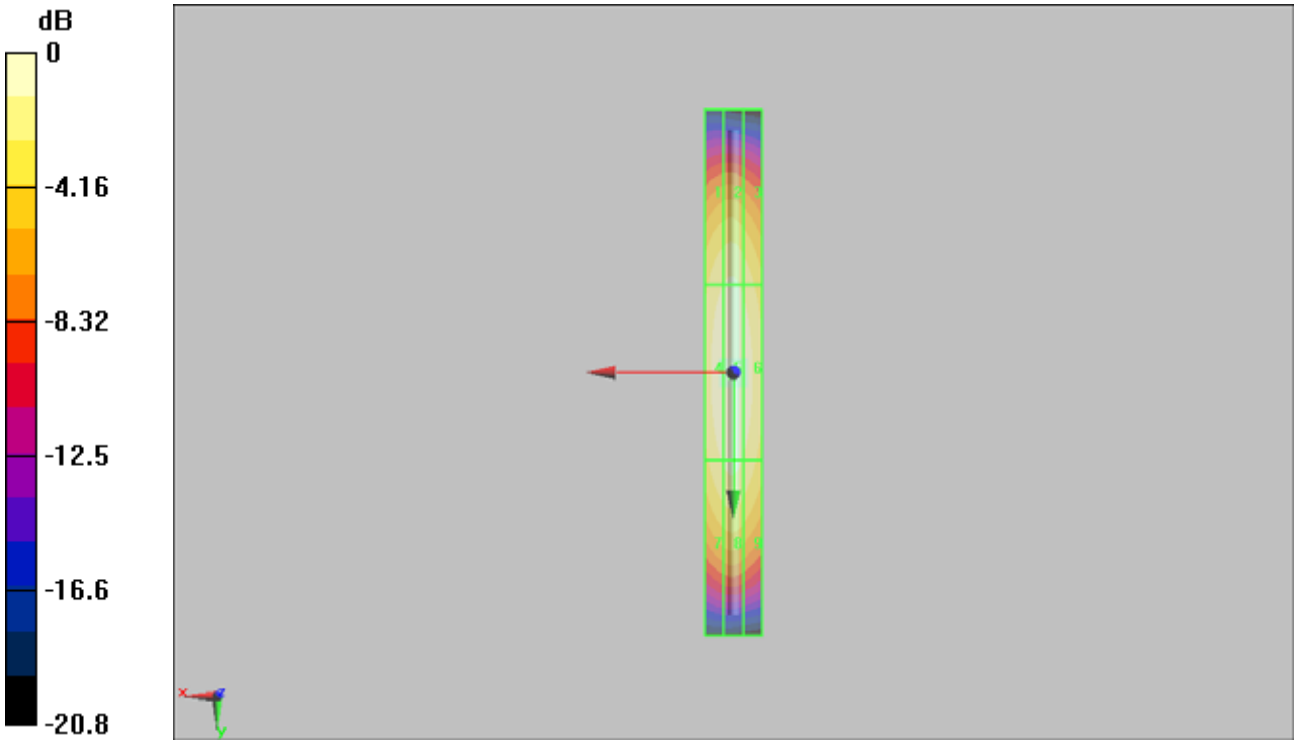
H Scan - measurement distance from the probe sensor center to CD835 Dipole = 10mm/Hearing Aid Compatibility Test (41x361x1):

Measurement grid: dx=5mm, dy=5mm
Probe Modulation Factor = 1
Reference Value = 0.484 A/m; Power Drift = 0.00733 dB
Maximum value of peak Total field = 0.436 A/m

Peak H-field in A/m

Grid 1 **0.372 M4**	Grid 2 **0.383 M4**	Grid 3 **0.357 M4**
Grid 4 **0.422 M4**	Grid 5 **0.436 M4**	Grid 6 **0.409 M4**
Grid 7 **0.378 M4**	Grid 8 **0.392 M4**	Grid 9 **0.365 M4**

Cursor:
Total = 0.436 A/m
H Category: M4
Location: 0.5, 1, 5.2 mm



0 dB = 0.436A/m

HAC_H_Dipole_1880_110619

DUT: HAC Dipole 1880 MHz

Communication System: CW; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium: Air Medium parameters used: $\sigma = 0$ mho/m, $\varepsilon_r = 1$; $\rho = 1$ kg/m^3
Ambient Temperature：22.5 ℃

DASY5 Configuration:
- Probe: H3DV6 - SN6184; ; Calibrated: 2011/1/25
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1249; Calibrated: 2011/2/21
- 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

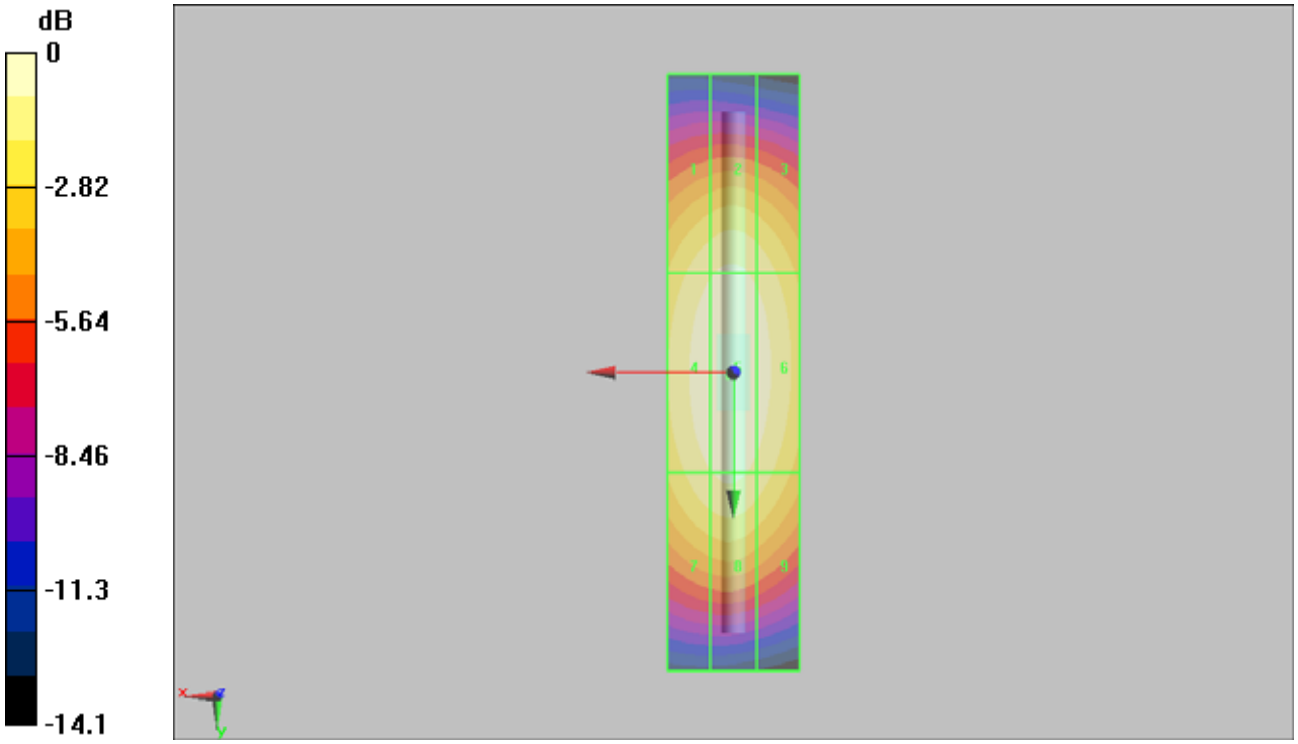
H Scan - measurement distance from the probe sensor center to CD1880 Dipole = 10mm/Hearing Aid Compatibility Test (41x181x1):

Measurement grid: dx=5mm, dy=5mm
Probe Modulation Factor = 1
Reference Value = 0.530 A/m; Power Drift = 0.00629 dB
Maximum value of peak Total field = 0.480 A/m

Peak H-field in A/m

Grid 1 **0.425 M2**	Grid 2 **0.441 M2**	Grid 3 **0.420 M2**
Grid 4 **0.464 M2**	Grid 5 **0.480 M2**	Grid 6 **0.457 M2**
Grid 7 **0.429 M2**	Grid 8 **0.443 M2**	Grid 9 **0.416 M2**

Cursor:
Total = 0.480 A/m
H Category: M2
Location: 0.5, 0.5, 5.2 mm



0 dB = 0.480A/m