Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2010/6/9

HAC_E_Dipole_835_100609

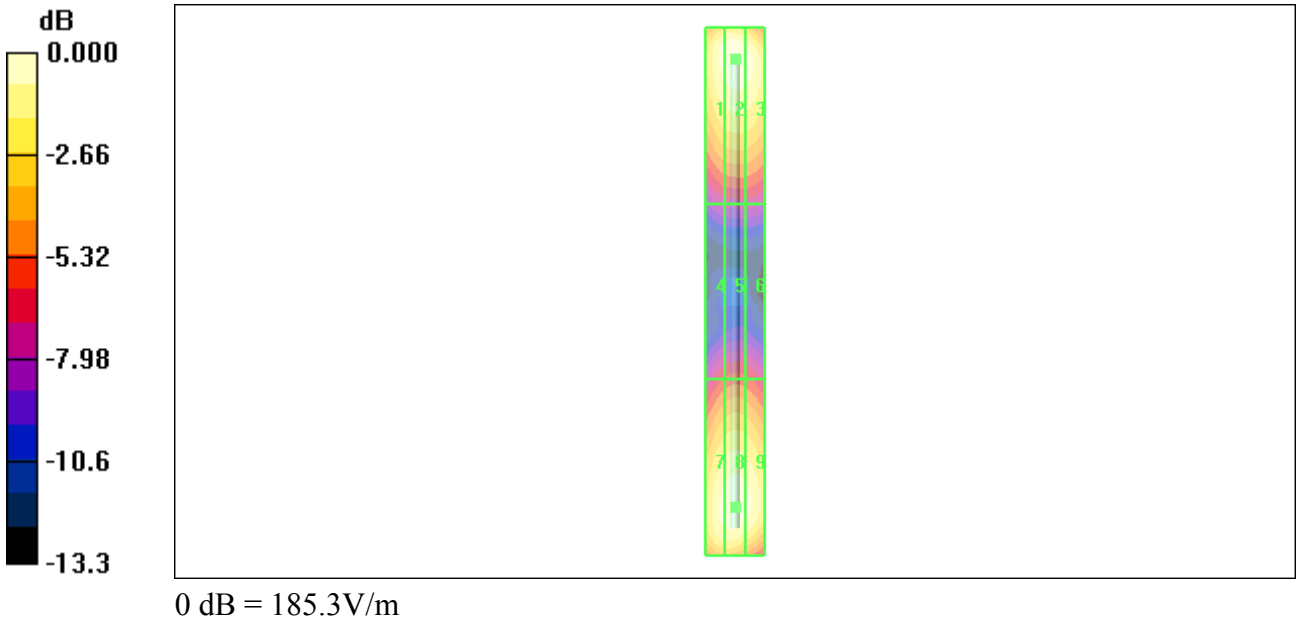
DUT: Dipole 835 MHz

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：22.4 ℃

DASY4 Configuration:
- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2009/1/14
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn577; Calibrated: 2009/8/24
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial:
- 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
Probe Modulation Factor = 1.00
Reference Value = 134.4 V/m; Power Drift = -0.006 dB
Hearing Aid Near-Field Category: M4 (AWF 0 dB)
Average Value of Total = (185.3 + 181.7) / 2 =183.5 V/m

Grid 1 **178.7 M4**	Grid 2 **185.3 M4**	Grid 3 **179.9 M4**
Grid 4 **93.0 M4**	Grid 5 **96.7 M4**	Grid 6 **94.6 M4**
Grid 7 **175.8 M4**	Grid 8 **181.7 M4**	Grid 9 **176.1 M4**



0 dB = 185.3V/m

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2010/6/9

HAC_H_Dipole_835_100609

DUT: HAC-Dipole 835 MHz

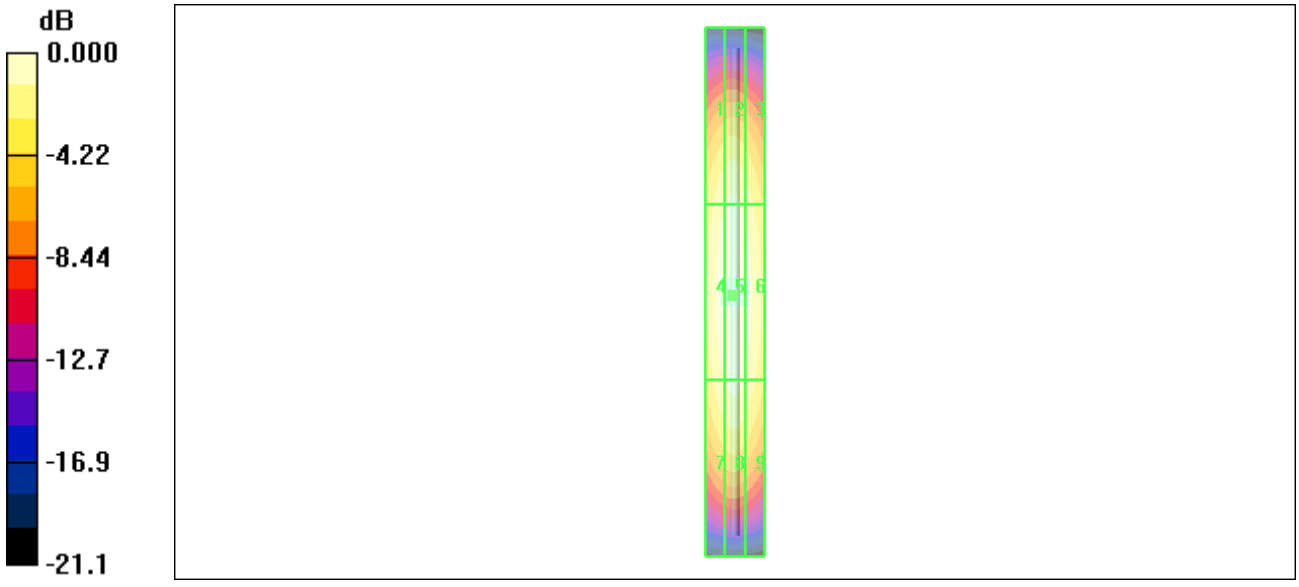
Communication System: CW; Frequency: 835 MHz;Duty Cycle: 1:1
Medium: Air Medium parameters used: $\sigma = 0$ mho/m, $\varepsilon_r = 1$; $\rho = 1$ kg/m^3
Ambient Temperature：22.4 ℃

DASY4 Configuration:
- Probe: H3DV6 - SN6187; ; Calibrated: 2009/6/24
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn778; Calibrated: 2009/9/18
- 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
Device Reference Point: 0.000, 0.000, -6.30 mm
Reference Value = 0.591 A/m; Power Drift = 0.024 dB
Maximum Value of Total = 0.535 A/m

Peak H-field in A/m

Grid 1 **0.450 M4**	Grid 2 **0.471 M4**	Grid 3 **0.433 M4**
Grid 4 **0.509 M4**	Grid 5 **0.535 M4**	Grid 6 **0.496 M4**
Grid 7 **0.456 M4**	Grid 8 **0.481 M4**	Grid 9 **0.443 M4**



0 dB = 0.535A/m

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2010/6/9

HAC_E_Dipole_1880_100609

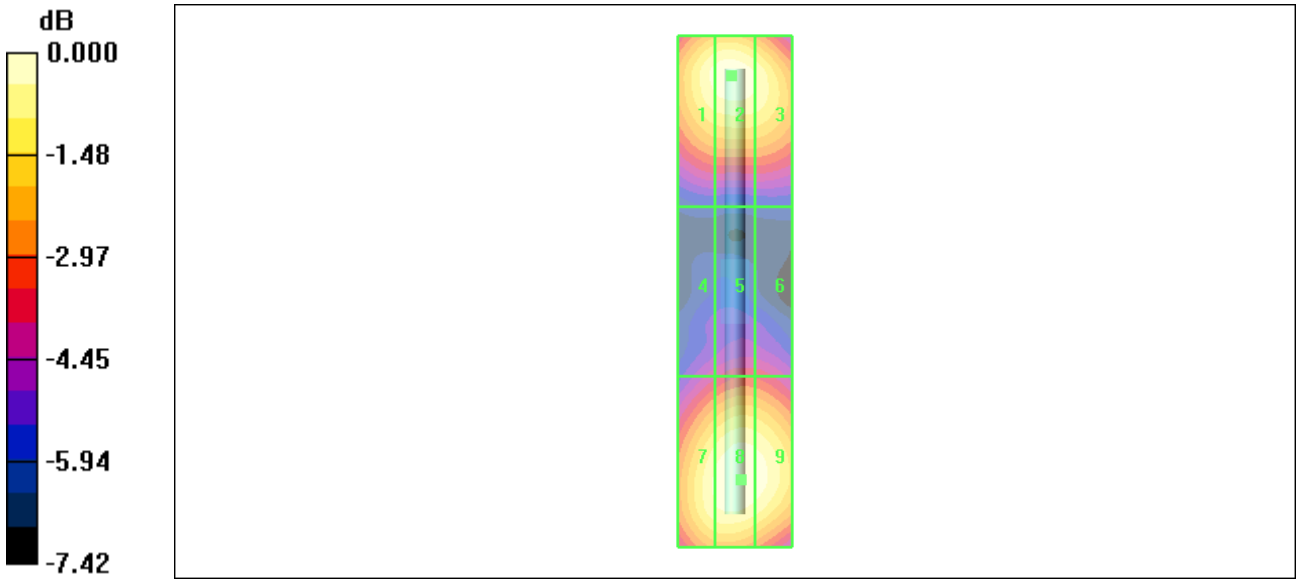
DUT: HAC Dipole 1880 MHz

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：22.4 ℃

DASY4 Configuration:
- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2009/1/14
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn577; Calibrated: 2009/8/24
- 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
Probe Modulation Factor = 1.00
Reference Value = 148.7 V/m; Power Drift = -0.019 dB
Average Value of Total = (142.5 + 143.8) / 2 =143.15 V/m

Grid 1 **139.1 M2**	Grid 2 **142.5 M2**	Grid 3 **136.6 M2**
Grid 4 **90.4 M3**	Grid 5 **96.5 M3**	Grid 6 **95.9 M3**
Grid 7 **137.8 M2**	Grid 8 **143.8 M2**	Grid 9 **141.4 M2**



0 dB = 143.8V/m

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2010/6/9

HAC_H_Dipole_1880_100609

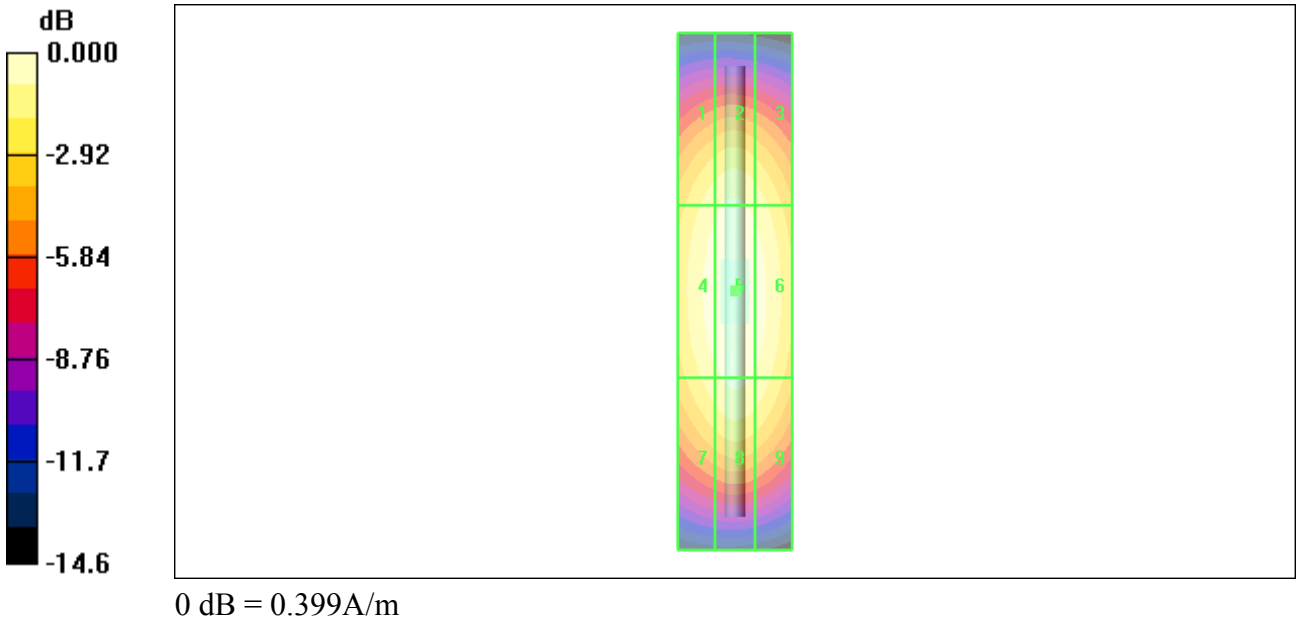
DUT: HAC Dipole 1880 MHz

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 ℃

DASY4 Configuration:
- Probe: H3DV6 - SN6187; ; Calibrated: 2009/6/24
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn577; Calibrated: 2009/8/24
- 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
Device Reference Point: 0.000, 0.000, -6.30 mm
Reference Value = 0.440 A/m; Power Drift = -0.002 dB
Maximum Value of Total = 0.399 A/m

Grid 1 **0.346 M2**	Grid 2 **0.365 M2**	Grid 3 **0.344 M2**
Grid 4 **0.379 M2**	Grid 5 **0.399 M2**	Grid 6 **0.378 M2**
Grid 7 **0.346 M2**	Grid 8 **0.368 M2**	Grid 9 **0.350 M2**



0 dB = 0.399A/m