Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2011/2/23

HAC_E_Dipole_835_110223

DUT: Dipole 835 MHz

Communication System: GSM850; 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: 2011/1/14
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn778; Calibrated: 2010/10/22
- 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

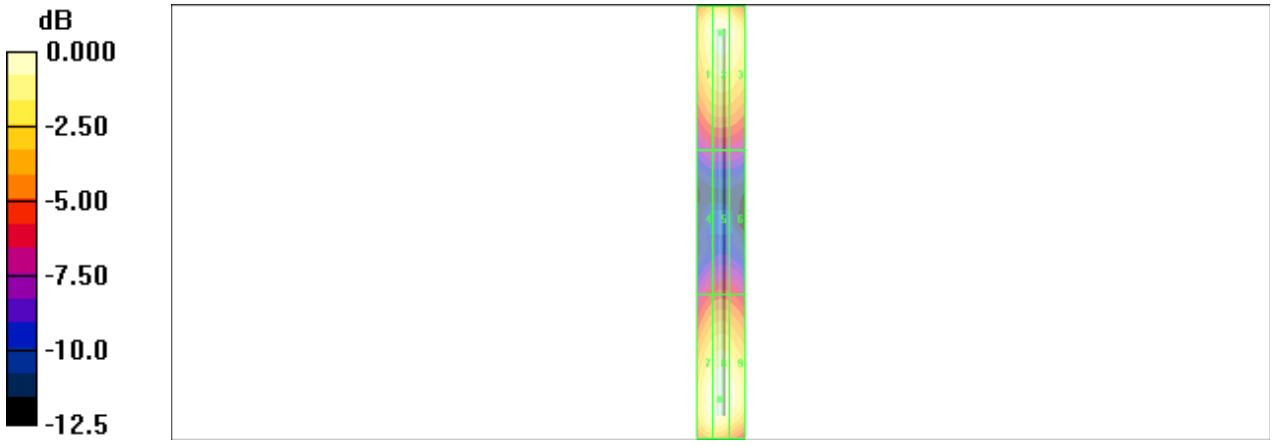
E Scan - measurement distance from the probe sensor center to CD835 Dipole = 10mm/Hearing Aid Compatibility Test (41x361x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 174.0 V/m
Probe Modulation Factor = 1.00
Reference Value = 130.2 V/m; Power Drift = -0.043 dB
Average Value of Total = (171.7 + 174.0) / 2 = 172.85 V/m

Peak E-field in V/m

Grid 1 **164.8 M4**	Grid 2 **171.7 M4**	Grid 3 **166.1 M4**
Grid 4 **90.5 M4**	Grid 5 **93.9 M4**	Grid 6 **91.4 M4**
Grid 7 **170.7 M4**	Grid 8 **174.0 M4**	Grid 9 **168.3 M4**

Cursor:
Total = 174.0 V/m
E Category: M4
Location: 0.5, 73.5, 4.7 mm



0 dB = 174.0V/m

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2011/2/23

HAC_E_Dipole_1880_110223

DUT: HAC Dipole 1880 MHz

Communication System: GSM850; 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：22.5 ℃

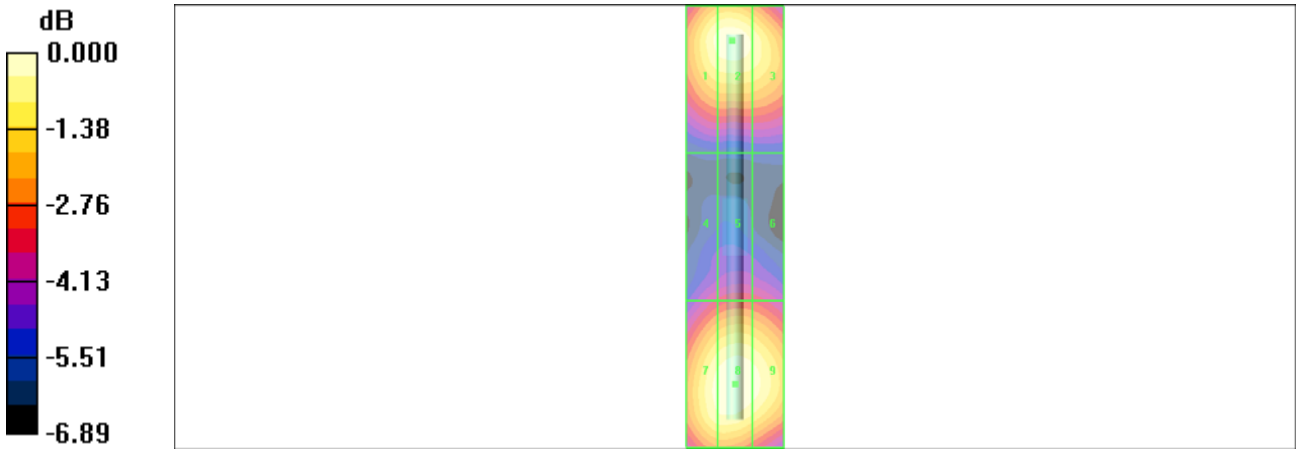
DASY4 Configuration:
- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2011/1/14
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn778; Calibrated: 2010/10/22
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 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
Maximum value of peak Total field = 145.3 V/m
Probe Modulation Factor = 1.00
Reference Value = 147.4 V/m; Power Drift = -0.015 dB
Average Value of Total = (143.9 + 145.3) / 2 = 144.6 V/m

Peak E-field in V/m

Grid 1 **140.8 M2**	Grid 2 **143.9 M2**	Grid 3 **137.1 M2**
Grid 4 **96.6 M3**	Grid 5 **100.7 M3**	Grid 6 **99.3 M3**
Grid 7 **141.6 M2**	Grid 8 **145.3 M2**	Grid 9 **141.9 M2**

Cursor:
Total = 145.3 V/m
E Category: M2
Location: 0, 32, 4.7 mm



0 dB = 145.3V/m

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2011/2/24

HAC_H_Dipole_835_110224

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：22.5 ℃

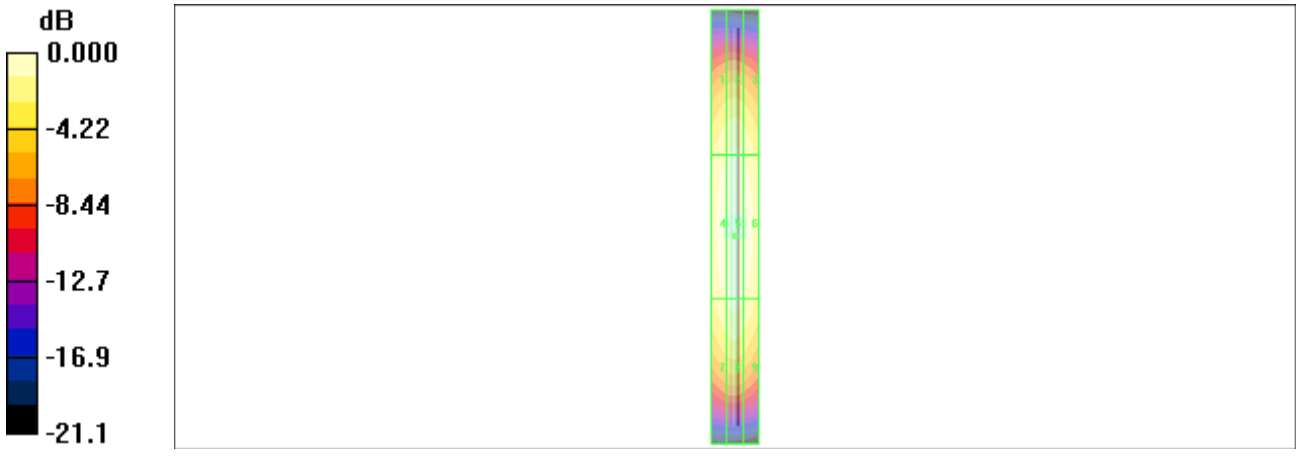
DASY4 Configuration:
- Probe: H3DV6 - SN6184; ; Calibrated: 2011/1/25
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn778; Calibrated: 2010/10/22
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

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
Reference Value = 0.511 A/m; Power Drift = -0.008 dB
Maximum Value of Total = 0.462 A/m

Peak H-field in A/m

Grid 1 **0.391 M4**	Grid 2 **0.407 M4**	Grid 3 **0.389 M4**
Grid 4 **0.442 M4**	Grid 5 **0.462 M4**	Grid 6 **0.441 M4**
Grid 7 **0.396 M4**	Grid 8 **0.414 M4**	Grid 9 **0.393 M4**

Cursor:
Total = 0.462 A/m
H Category: M4
Location: 0, 4, 5.2 mm



0 dB = 0.462A/m

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date:2011/2/24

HAC_H_Dipole_1880_110224

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 ℃

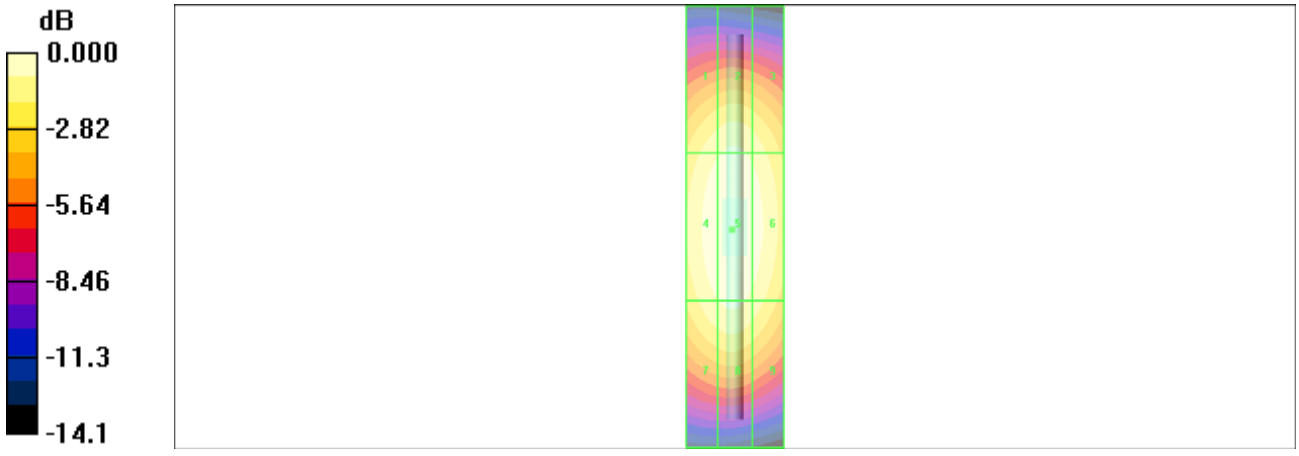
DASY4 Configuration:
- Probe: H3DV6 - SN6184; ; Calibrated: 2011/1/25
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn778; Calibrated: 2010/10/22
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

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
Reference Value = 0.530 A/m; Power Drift = 0.006 dB
Maximum Value of Total = 0.480 A/m

Peak H-field in A/m

Grid 1 **0.426 M2**	Grid 2 **0.441 M2**	Grid 3 **0.420 M2**
Grid 4 **0.465 M2**	Grid 5 **0.480 M2**	Grid 6 **0.458 M2**
Grid 7 **0.429 M2**	Grid 8 **0.443 M2**	Grid 9 **0.417 M2**

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



0 dB = 0.480A/m