Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2017.12.21

HAC_E_Dipole_835

DUT: HAC-Dipole 835 MHz

Communication System: UID 0, CW; Frequency: 835 MHz;Duty Cycle: 1:1
Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\varepsilon_r = 1$; $\rho = 0$ kg/m^3
Ambient Temperature：23.6 ℃

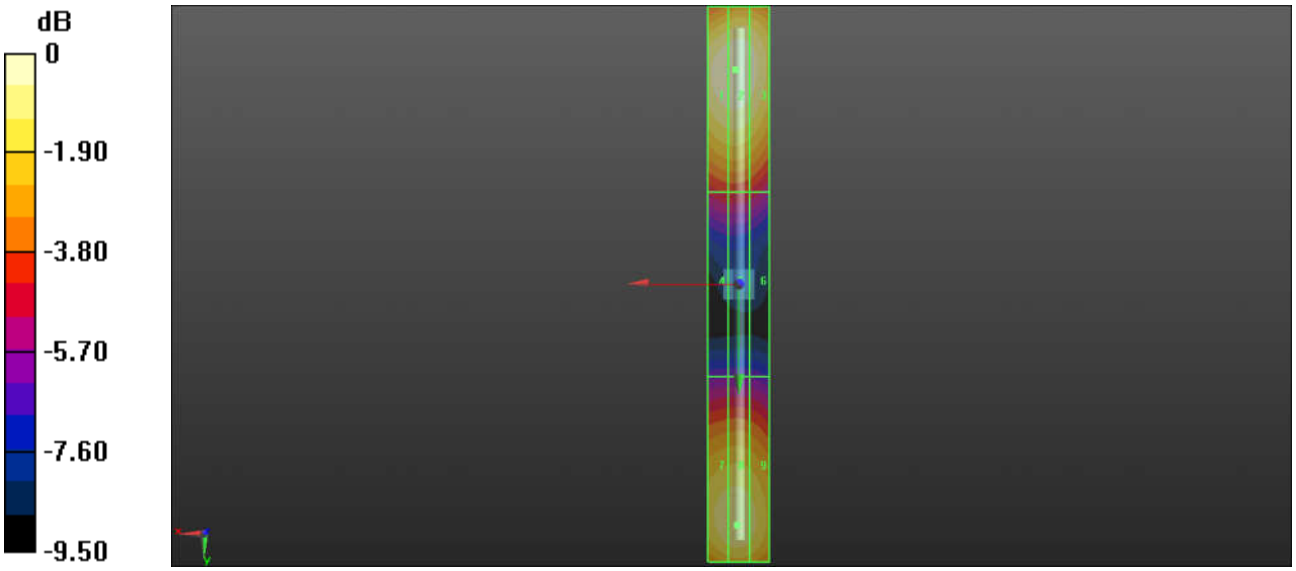
DASY5 Configuration:
- Probe: ER3DV6 - SN2528; ConvF(1, 1, 1); Calibrated: 2017.1.25;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1326; Calibrated: 2017.9.15
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

E Scan - measurement distance from the probe sensor center to CD835 = 15mm/Hearing Aid Compatibility Test at 15mm distance (41x361x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm
Device Reference Point: 0, 0, -6.3 mm
Reference Value = 98.49 V/m; Power Drift = 0.01 dB
PMR not calibrated. PMF = 1.000 is applied.
E-field emissions = 107.8 V/m
Average value of Total=(107.8+98.32)/2=103.06 V/m

PMF scaled E-field

Grid 1 **M4** **106.3 V/m**	Grid 2 **M4** **107.8 V/m**	Grid 3 **M4** **104.5 V/m**
Grid 4 **M4** **65.35 V/m**	Grid 5 **M4** **65.73 V/m**	Grid 6 **M4** **63.59 V/m**
Grid 7 **M4** **97.28 V/m**	Grid 8 **M4** **98.32 V/m**	Grid 9 **M4** **95.78 V/m**

Cursor:
Total = 107.8 V/m
E Category: M4
Location: 1, -69.5, 9.7 mm



0 dB = 107.8 V/m = 40.65 dBV/m

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2017.12.21

HAC_E_Dipole_1880

DUT: HAC Dipole 1880 MHz

Communication System: UID 0, CW (0); Frequency: 1880 MHz;Duty Cycle: 1:1
Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\varepsilon_r = 1$; $\rho = 0$ kg/m^3
Ambient Temperature：23.6 ℃

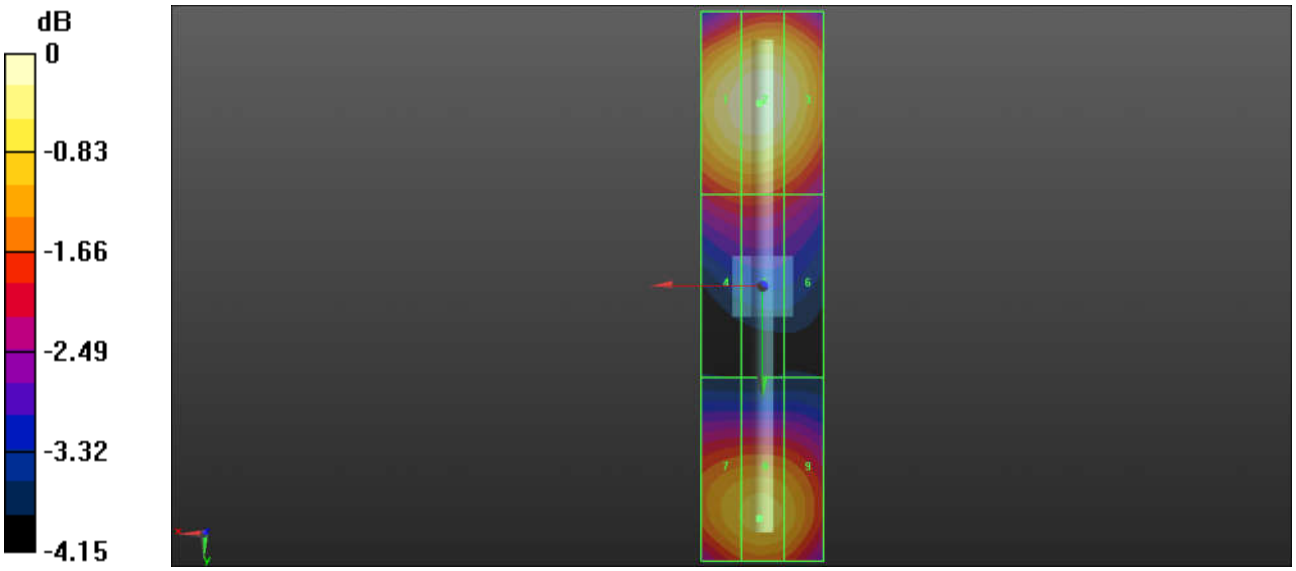
DASY5 Configuration:
- Probe: ER3DV6 - SN2528; ConvF(1, 1, 1); Calibrated: 2017.1.25;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1326; Calibrated: 2017.9.15
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

E Scan - measurement distance from the probe sensor center to CD1880 = 15mm/Hearing Aid Compatibility Test at 15mm distance (41x181x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm
Device Reference Point: 0, 0, -6.3 mm
Reference Value = 134.8 V/m; Power Drift = -0.04 dB
PMR not calibrated. PMF = 1.000 is applied.
E-field emissions = 87.66 V/m
Average value of Total=(87.66+81.15)/2=84.405 V/m

PMF scaled E-field

Grid 1 **M3** **86.38 V/m**	Grid 2 **M3** **87.66 V/m**	Grid 3 **M3** **85.48 V/m**
Grid 4 **M3** **72.16 V/m**	Grid 5 **M3** **72.35 V/m**	Grid 6 **M3** **70.66 V/m**
Grid 7 **M3** **79.77 V/m**	Grid 8 **M3** **81.15 V/m**	Grid 9 **M3** **79.33 V/m**

Cursor:
Total = 87.66 V/m
E Category: M3
Location: 0.5, -30, 9.7 mm



0 dB = 87.96 V/m = 38.89 dBV/m

HAC_E_Dipole_2450_180131

DUT: CD2450V3-1186

Communication System: CW ; Frequency: 2450 MHz;Duty Cycle: 1:1
Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\varepsilon_r = 1$; $\rho = 0$ kg/m^3
Ambient Temperature：23.2 ℃

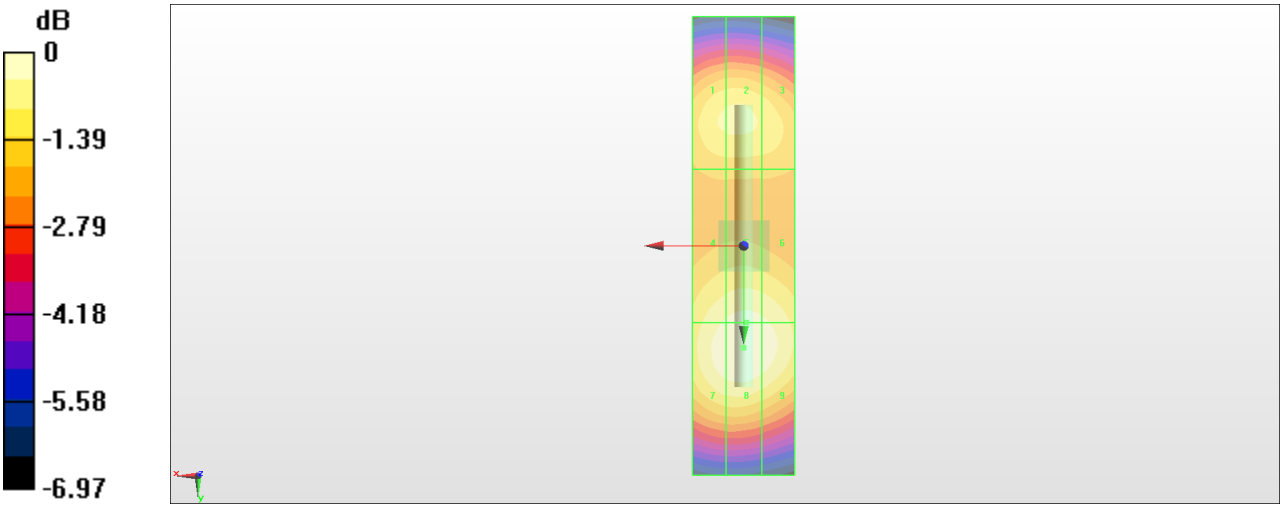
DASY5 Configuration
- Probe: ER3DV6 - SN2480; ConvF(1, 1, 1); Calibrated: 2017/12/15;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn854; Calibrated: 2017/5/2
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

E Scan - measurement distance from the probe sensor center to CD2450 = 10mm & 15mm/Hearing Aid Compatibility Test at 15mm distance (41x181x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm
Device Reference Point: 0, 0, -6.3 mm
Reference Value = 73.02 V/m; Power Drift = 0.01 dB
PMR not calibrated. PMF = 1.000 is applied.
E-field emissions = 89.42 V/m
Average value of Total=(81.75+89.42) / 2 = 85.585 V/m

PMF scaled E-field

Grid 1 **M3** **81.28 V/m**	Grid 2 **M3** **81.75 V/m**	Grid 3 **M3** **79.89 V/m**
Grid 4 **M3** **85.39 V/m**	Grid 5 **M3** **86.91 V/m**	Grid 6 **M3** **85.89 V/m**
Grid 7 **M3** **87.91 V/m**	Grid 8 **M3** **89.42 V/m**	Grid 9 **M3** **87.99 V/m**

Cursor:
Total = 89.42 V/m
E Category: M3
Location: 0, 20, 9.7 mm



0 dB = 89.42 V/m = 39.03 dBV/m