Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2023/10/26

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：23.4 ℃

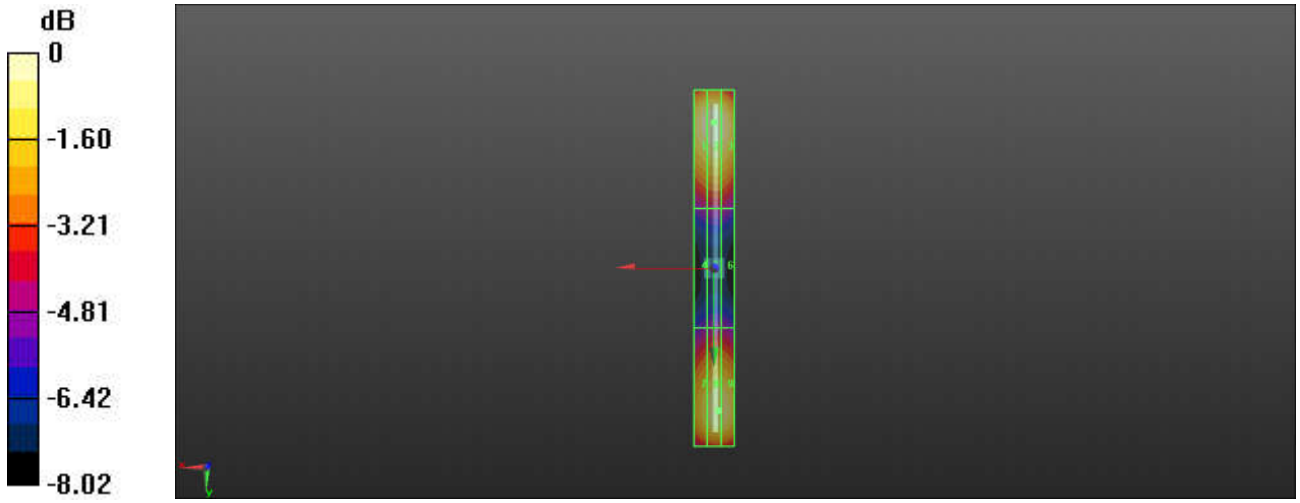
DASY5 Configuration:
- Probe: EF3DV3 - SN4062; ConvF(1, 1, 1); Calibrated: 2022/12/23
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1386; Calibrated: 2023/7/17
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

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 = 125.2 V/m; Power Drift = -0.03 dB
PMR not calibrated. PMF = 1.000 is applied.
E-field emissions = 122.1 V/m
Average value of Total=(103.8+122.1)/2=112.95 V/m

PMF scaled E-field

Grid 1 **M4** **101.3 V/m**	Grid 2 **M4** **103.8 V/m**	Grid 3 **M4** **102.2 V/m**
Grid 4 **M4** **59.41 V/m**	Grid 5 **M4** **61.78 V/m**	Grid 6 **M4** **61.45 V/m**
Grid 7 **M4** **115.8 V/m**	Grid 8 **M4** **122.1 V/m**	Grid 9 **M4** **121.5 V/m**

Cursor:
Total = 122.1 V/m
E Category: M4
Location: -2, 74.5, 8.7 mm



0 dB = 122.1 V/m = 41.73 dBV/m

HAC_E_Dipole_1880

DUT: HAC Dipole 1880 MHz

Communication System: UID 0, CW; 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：23.4 ℃

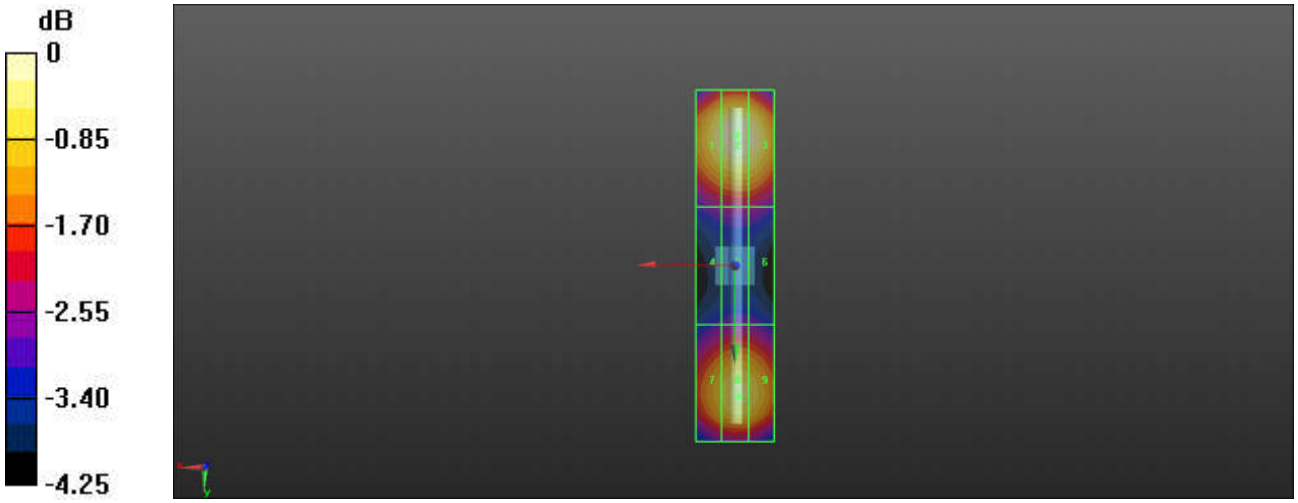
DASY5 Configuration:
- Probe: EF3DV3 - SN4062; ConvF(1, 1, 1); Calibrated: 2022/12/23
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1386; Calibrated: 2023/7/17
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

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 = 163.3 V/m; Power Drift = 0.01 dB
PMR not calibrated. PMF = 1.000 is applied.
E-field emissions = 95.08 V/m
Average value of Total=(88.78+95.08)/2=91.93 V/m

PMF scaled E-field

Grid 1 **M3** **86.33 V/m**	Grid 2 **M3** **88.78 V/m**	Grid 3 **M3** **87.68 V/m**
Grid 4 **M3** **64.77 V/m**	Grid 5 **M3** **65.80 V/m**	Grid 6 **M3** **65.76 V/m**
Grid 7 **M3** **91.40 V/m**	Grid 8 **M3** **95.08 V/m**	Grid 9 **M3** **94.26 V/m**

Cursor:
Total = 95.08 V/m
E Category: M3
Location: -1, 34, 8.7 mm



0 dB = 95.08 V/m = 39.56 dBV/m

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2023/10/26

HAC_E_Dipole_2450

DUT: HAC-Dipole 2450 MHz

Communication System: UID 0, 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：23.4 ℃

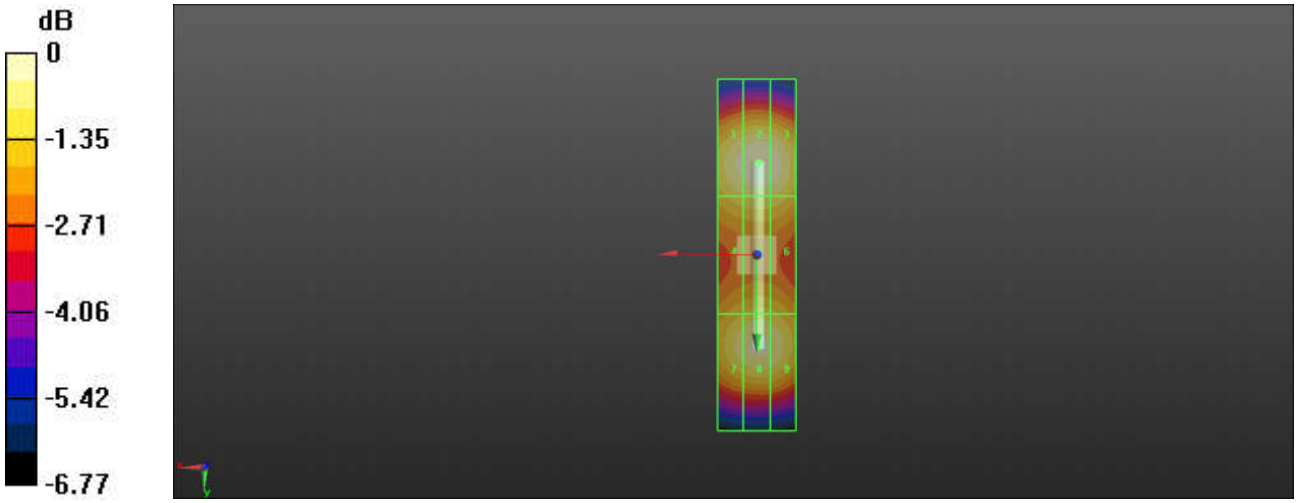
DASY5 Configuration:
- Probe: EF3DV3 - SN4062; ConvF(1, 1, 1); Calibrated: 2022/12/23
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1386; Calibrated: 2023/7/17
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

E Scan - measurement distance from the probe sensor center to CD2450 = 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 = 80.35 V/m; Power Drift = -0.02 dB
PMR not calibrated. PMF = 1.000 is applied.
E-field emissions = 88.75 V/m
Average value of Total=(84.86+88.75)/2=86.805 V/m

PMF scaled E-field

Grid 1 **M3** **83.27 V/m**	Grid 2 **M3** **84.86 V/m**	Grid 3 **M3** **83.60 V/m**
Grid 4 **M3** **76.14 V/m**	Grid 5 **M3** **77.10 V/m**	Grid 6 **M3** **76.67 V/m**
Grid 7 **M3** **86.43 V/m**	Grid 8 **M3** **88.75 V/m**	Grid 9 **M3** **87.46 V/m**

Cursor:
Total = 88.75 V/m
E Category: M3
Location: -0.5, 25, 8.7 mm



0 dB = 88.75 V/m = 38.96 dBV/m

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2023/10/26

HAC_E_Dipole_2600

DUT: HAC Dipole 2600 MHz

Communication System: UID 0, CW (0); Frequency: 2600 MHz;Duty Cycle: 1:1
Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\varepsilon_r = 1$; $\rho = 0$ kg/m^3
Ambient Temperature：23.4 ℃

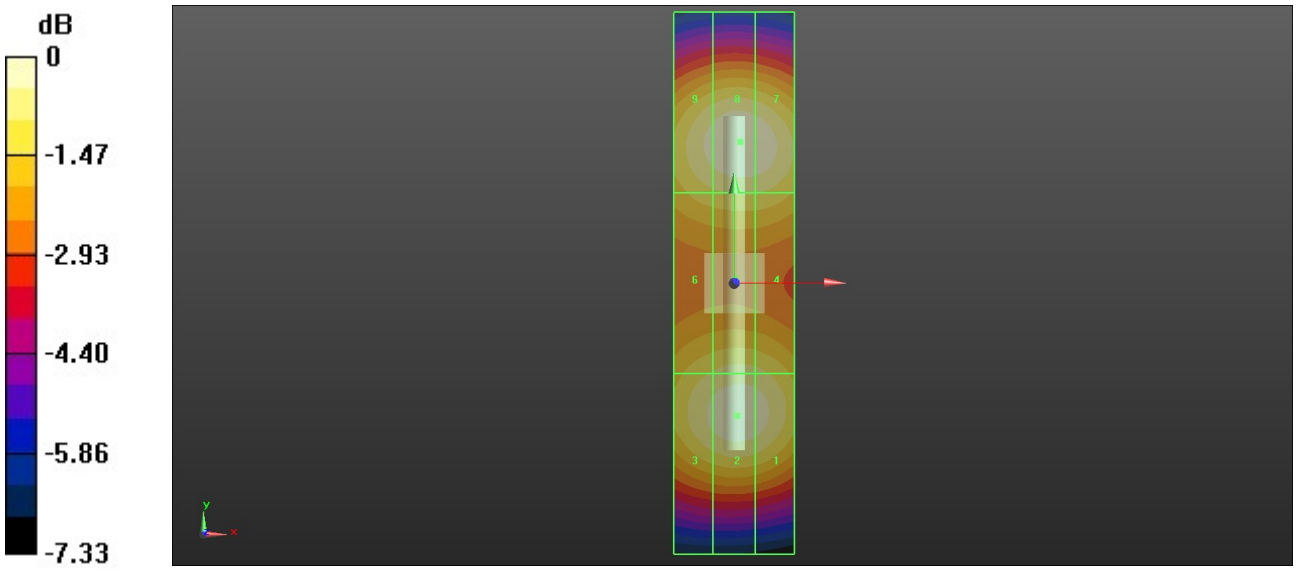
DASY5 Configuration:
- Probe: EF3DV3 - SN4062; ConvF(1, 1, 1); Calibrated: 2022/12/23
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1386; Calibrated: 2023/7/17
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

E Scan - measurement distance from the probe sensor center to CD2600 = 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 = 67.46 V/m; Power Drift = 0.01 dB
PMR not calibrated. PMF = 1.000 is applied.
E-field emissions = 89.27 V/m
Average value of Total=(84.03+89.27)/2 = 86.65 V/m

PMF scaled E-field

Grid 1 **M3** **81.84 V/m**	Grid 2 **M3** **84.03 V/m**	Grid 3 **M3** **83.44 V/m**
Grid 4 **M3** **78.22 V/m**	Grid 5 **M3** **80.76 V/m**	Grid 6 **M3** **80.28 V/m**
Grid 7 **M3** **85.88 V/m**	Grid 8 **M3** **89.27 V/m**	Grid 9 **M3** **88.61 V/m**

Cursor:
Total = 89.27 V/m
E Category: M3
Location: -1.5, 23, 8.7 mm



0 dB = 89.27 V/m = 39.01 dBV/m