HAC_E_Dipole_835

DUT: HAC-Dipole 835 MHz

Communication System: 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 ℃

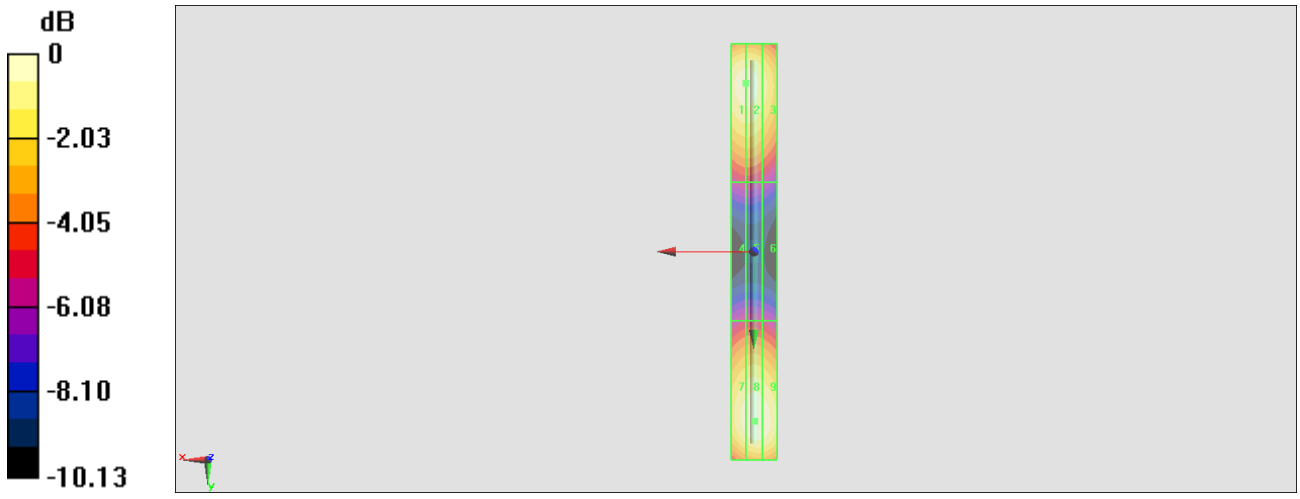
DASY5 Configuration
- Probe: EF3DV3 - SN4047; ConvF(1, 1, 1) @ 835 MHz; Calibrated: 2021/1/25
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn854; Calibrated: 2021/4/8
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

E Scan - measurement distance from the probe sensor center to CD835 = 10mm & 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 = 134.6 V/m; Power Drift = -0.05 dB
PMR not calibrated. PMF = 1.000 is applied.
E-field emissions = 112.7 V/m
Average value of Total=(112.7+109.1) / 2 = 110.9 V/m

PMF scaled E-field

Grid 1 **M4** **109.1 V/m**	Grid 2 **M4** **109.1 V/m**	Grid 3 **M4** **101.5 V/m**
Grid 4 **M4** **61.35 V/m**	Grid 5 **M4** **61.40 V/m**	Grid 6 **M4** **59.82 V/m**
Grid 7 **M4** **108.8 V/m**	Grid 8 **M4** **112.7 V/m**	Grid 9 **M4** **111.2 V/m**

Cursor:
Total = 112.7 V/m
E Category: M4
Location: -0.5, 73.5, 9.7 mm



0 dB = 112.7 V/m = 41.04 dBV/m

HAC_E_Dipole_1880

DUT: HAC Dipole 1880 MHz

Communication System: 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 ℃

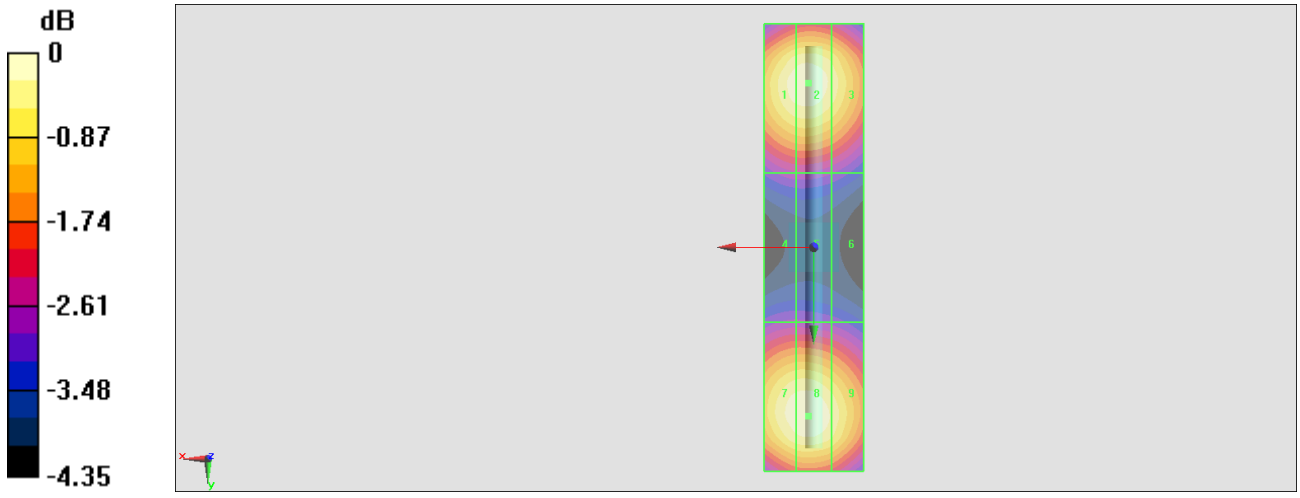
DASY5 Configuration
- Probe: EF3DV3 - SN4047; ConvF(1, 1, 1) @ 1880 MHz; Calibrated: 2021/1/25
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn854; Calibrated: 2021/4/8
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

E Scan - measurement distance from the probe sensor center to CD1880 = 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 = 158.9 V/m; Power Drift = 0.00 dB
PMR not calibrated. PMF = 1.000 is applied.
E-field emissions = 87.89 V/m
Average value of Total=(87.42+87.89) / 2 = 87.655 V/m

PMF scaled E-field

Grid 1 **M3** **86.80 V/m**	Grid 2 **M3** **87.42 V/m**	Grid 3 **M3** **84.30 V/m**
Grid 4 **M3** **64.91 V/m**	Grid 5 **M3** **64.96 V/m**	Grid 6 **M3** **63.41 V/m**
Grid 7 **M3** **87.19 V/m**	Grid 8 **M3** **87.89 V/m**	Grid 9 **M3** **84.68 V/m**

Cursor:
Total = 87.89 V/m
E Category: M3
Location: 1, 34, 9.7 mm



0 dB = 87.89 V/m = 38.88 dBV/m

HAC_E_Dipole_2450

DUT: HAC Dipole 2450 MHz

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：23.4 ℃

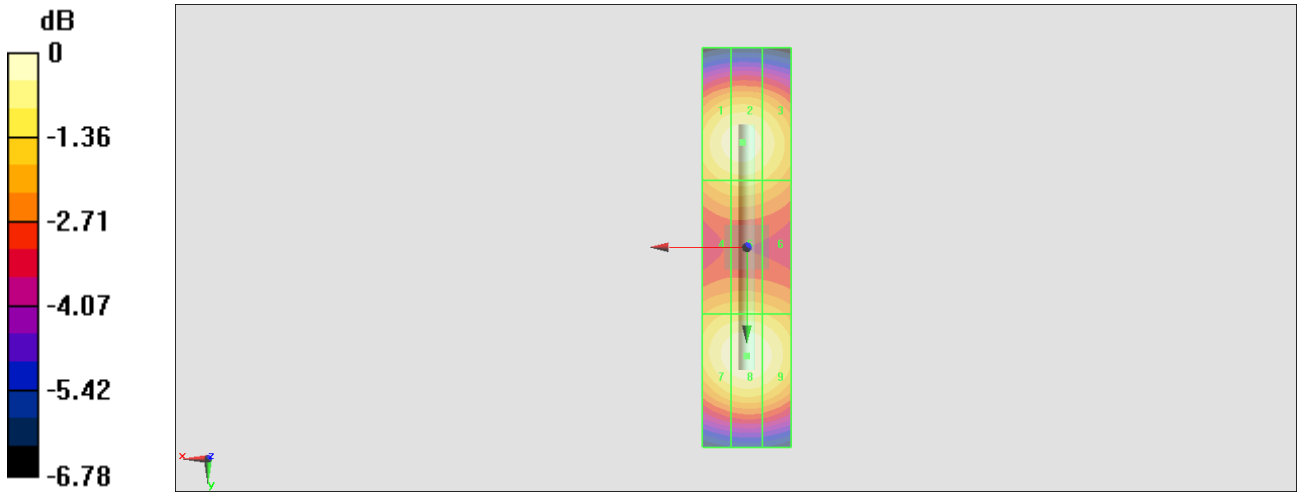
DASY5 Configuration
- Probe: EF3DV3 - SN4047; ConvF(1, 1, 1) @ 2450 MHz; Calibrated: 2021/1/25
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn854; Calibrated: 2021/4/8
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

E Scan - measurement distance from the probe sensor center to CD2450 = 10mm & 15mm 2/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 = 83.26 V/m; Power Drift = 0.02 dB
PMR not calibrated. PMF = 1.000 is applied.
E-field emissions = 88.12 V/m
Average value of Total=(86.57+88.12) / 2 = 87.345 V/m

PMF scaled E-field

Grid 1 **M3** **85.88 V/m**	Grid 2 **M3** **86.57 V/m**	Grid 3 **M3** **83.32 V/m**
Grid 4 **M3** **76.81 V/m**	Grid 5 **M3** **77.56 V/m**	Grid 6 **M3** **75.73 V/m**
Grid 7 **M3** **86.45 V/m**	Grid 8 **M3** **88.12 V/m**	Grid 9 **M3** **86.22 V/m**

Cursor:
Total = 88.12 V/m
E Category: M3
Location: 0, 24.5, 9.7 mm



0 dB = 88.12 V/m = 38.90 dBV/m

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2021.6.2

HAC_E_Dipole_2450

DUT: HAC Dipole 2450 MHz

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：23.6 ℃

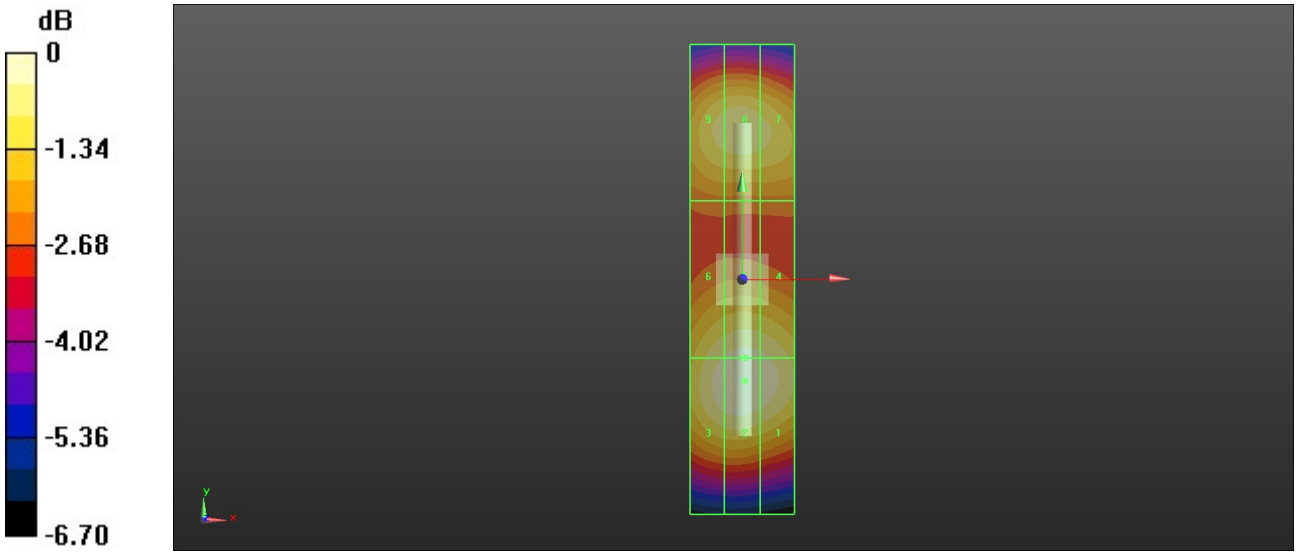
DASY5 Configuration:
- Probe: EF3DV3 - SN4050; ConvF(1, 1, 1) @ 2412 MHz; Calibrated: 2021.1.25
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn799; Calibrated: 2021.3.26
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

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 = 94.71 V/m; Power Drift = -0.07 dB
PMR not calibrated. PMF = 1.000 is applied.
E-field emissions = 90.46 V/m
Average value of Total=(90.46+85.14)/2 = 87.8 V/m

PMF scaled E-field

Grid 1 **M3** **89.30 V/m**	Grid 2 **M3** **90.46 V/m**	Grid 3 **M3** **88.92 V/m**
Grid 4 **M3** **87.15 V/m**	Grid 5 **M3** **88.07 V/m**	Grid 6 **M3** **86.27 V/m**
Grid 7 **M3** **83.37 V/m**	Grid 8 **M3** **85.14 V/m**	Grid 9 **M3** **84.00 V/m**

Cursor:
Total = 90.46 V/m
E Category: M3
Location: 0.5, -19.5, 9.7 mm



0 dB = 90.46 V/m = 39.13 dBV/m

HAC_E_Dipole_2600

DUT: HAC Dipole 2600 MHz

Communication System: CW; 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 ℃

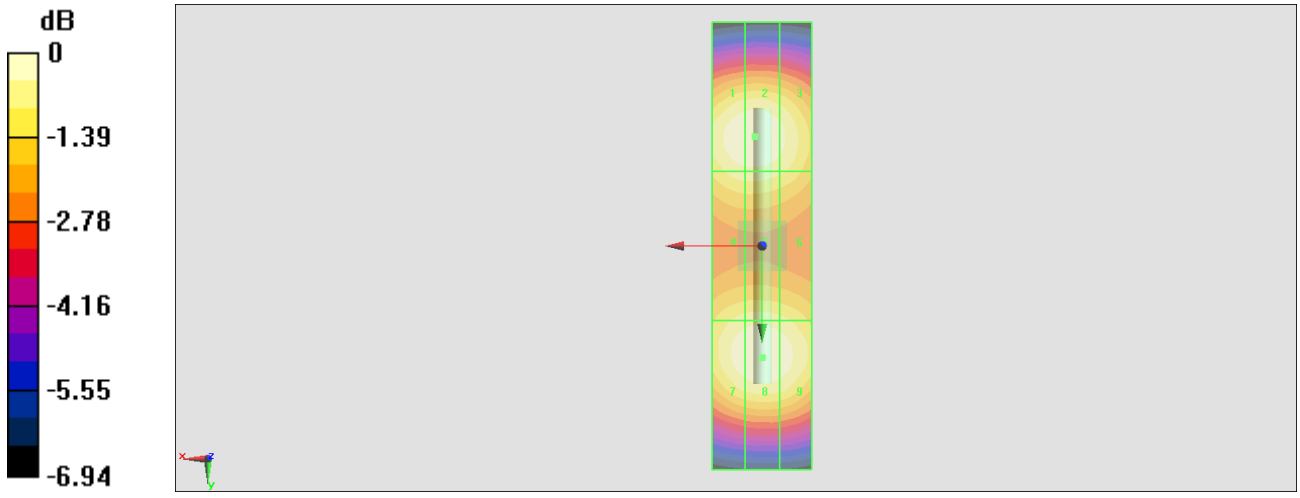
DASY5 Configuration
- Probe: EF3DV3 - SN4047; ConvF(1, 1, 1) @ 2600 MHz; Calibrated: 2021/1/25
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn854; Calibrated: 2021/4/8
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

E Scan - measurement distance from the probe sensor center to CD2600 = 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 = 64.18 V/m; Power Drift = -0.01 dB
PMR not calibrated. PMF = 1.000 is applied.
E-field emissions = 82.93 V/m
Average value of Total=(82.85+82.82) / 2 = 82.89 V/m

PMF scaled E-field

Grid 1 **M3** **82.48 V/m**	Grid 2 **M3** **82.85 V/m**	Grid 3 **M3** **80.02 V/m**
Grid 4 **M3** **77.43 V/m**	Grid 5 **M3** **77.53 V/m**	Grid 6 **M3** **76.19 V/m**
Grid 7 **M3** **81.72 V/m**	Grid 8 **M3** **82.93 V/m**	Grid 9 **M3** **81.45 V/m**

Cursor:
Total = 82.93 V/m
E Category: M3
Location: 0, 22.5, 9.7 mm



0 dB = 82.93 V/m = 38.37 dBV/m