HAC-RF Emission System Check

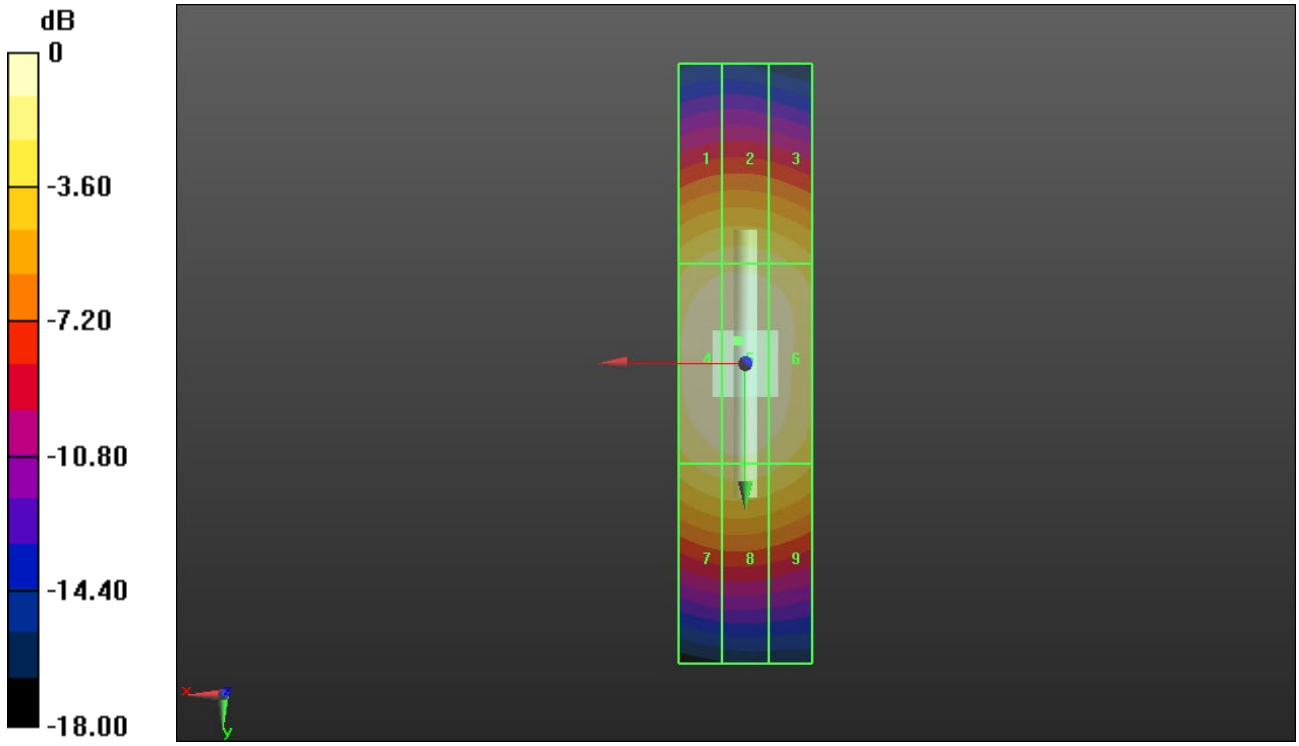
Communication System: UID 0, CW (0); Frequency: 5500 MHz; Duty Cycle: 1:1
Phantom section: RF Section
DASY5 Configuration:
- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1) @ 5500 MHz; Calibrated: 8/13/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1434; Calibrated: 11/11/2021
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7495)

Dipole E-Field Measurement 5.5GHz/5.5GHz/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 = 23.20 V/m; Power Drift = 0.08 dB
Applied MIF = 0.00 dB
RF audio interference level = 40.67 dBV/m
Emission category: M1

MIF scaled E-field

Grid 1 **M2** **39.04 dBV/m**	Grid 2 **M2** **39.16 dBV/m**	Grid 3 **M2** **38.87 dBV/m**
Grid 4 **M1** **40.59 dBV/m**	Grid 5 **M1** **40.67 dBV/m**	Grid 6 **M1** **40.27 dBV/m**
Grid 7 **M2** **39.01 dBV/m**	Grid 8 **M2** **39.14 dBV/m**	Grid 9 **M2** **38.75 dBV/m**



0 dB = 108.0 V/m = 40.67 dBV/m

HAC-RF Emission System Check

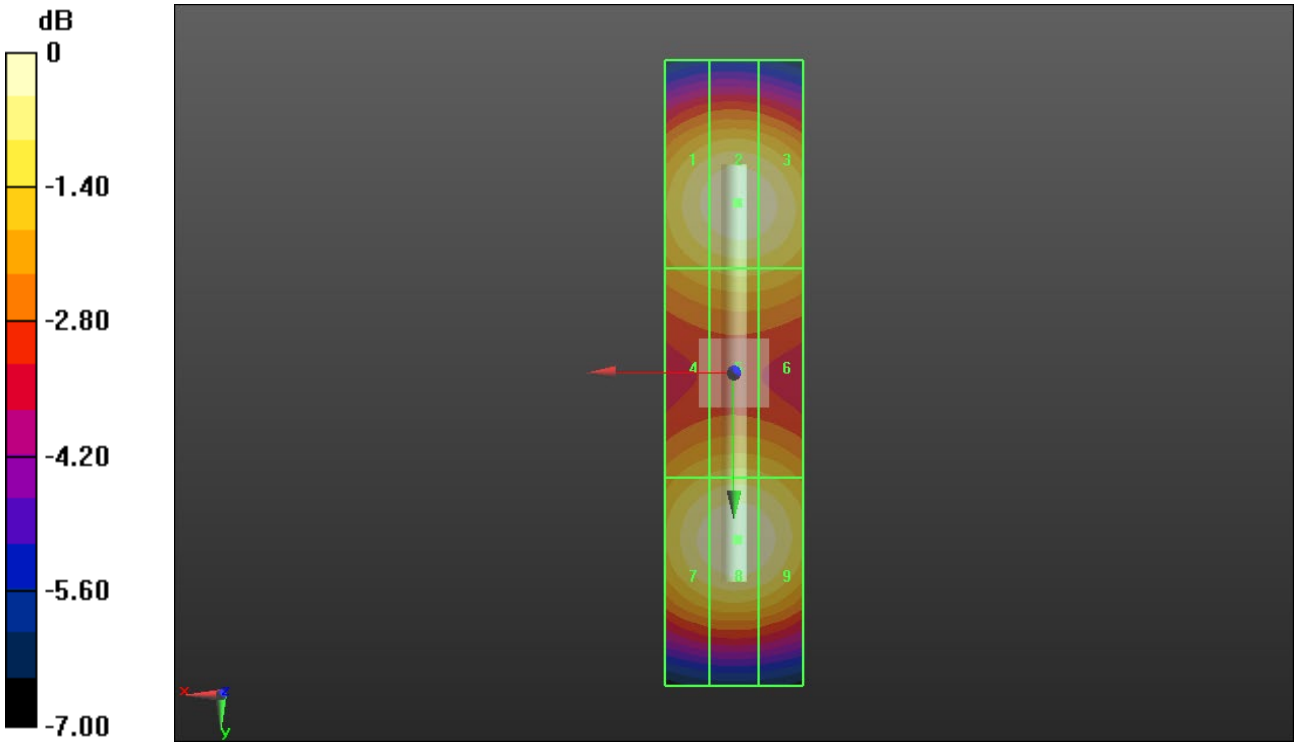
Communication System: UID 0, CW (0); Frequency: 2450 MHz; Duty Cycle: 1:1
Phantom section: RF Section
DASY5 Configuration:
- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1) @ 2450 MHz; Calibrated: 8/13/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1434; Calibrated: 11/11/2021
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7495)

Dipole E-Field Measurement 2450MHz/2450 MHz/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 = 74.65 V/m; Power Drift = 0.03 dB
Applied MIF = 0.00 dB
RF audio interference level = 39.18 dBV/m
Emission category: M2

MIF scaled E-field

Grid 1 **M2** **38.9 dBV/m**	Grid 2 **M2** **39.15 dBV/m**	Grid 3 **M2** **39.04 dBV/m**
Grid 4 **M2** **37.88 dBV/m**	Grid 5 **M2** **38.05 dBV/m**	Grid 6 **M2** **37.97 dBV/m**
Grid 7 **M2** **38.96 dBV/m**	Grid 8 **M2** **39.18 dBV/m**	Grid 9 **M2** **39.04 dBV/m**



0 dB = 90.99 V/m = 39.18 dBV/m

HAC-RF Emission System Check

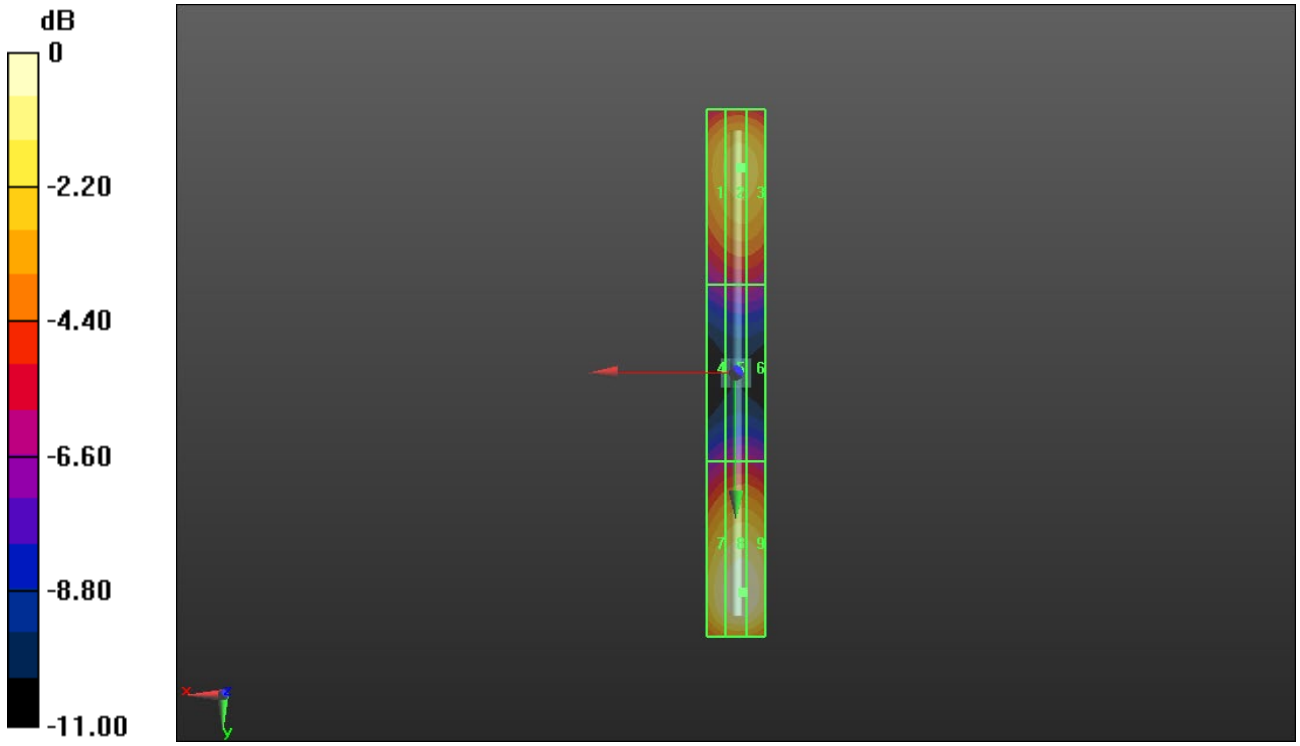
Communication System: UID 0, CW; Frequency: 835 MHz; Duty Cycle: 1:1
Phantom section: RF Section
DASY5 Configuration:
- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1) @ 835 MHz; Calibrated: 8/13/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1434; Calibrated: 11/11/2021
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7495)

Dipole E-Field measurement 835MHz/835 MHz/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 = 132.2 V/m; Power Drift = 0.03 dB
Applied MIF = 0.00 dB
RF audio interference level = 42.11 dBV/m
Emission category: M3

MIF scaled E-field

Grid 1 **M3** **40.05 dBV/m**	Grid 2 **M3** **40.4 dBV/m**	Grid 3 **M3** **40.36 dBV/m**
Grid 4 **M4** **35.71 dBV/m**	Grid 5 **M4** **36.05 dBV/m**	Grid 6 **M4** **36.03 dBV/m**
Grid 7 **M3** **41.6 dBV/m**	Grid 8 **M3** **42.11 dBV/m**	Grid 9 **M3** **42.08 dBV/m**



0 dB = 127.4 V/m = 42.10 dBV/m

HAC-RF Emission System Check

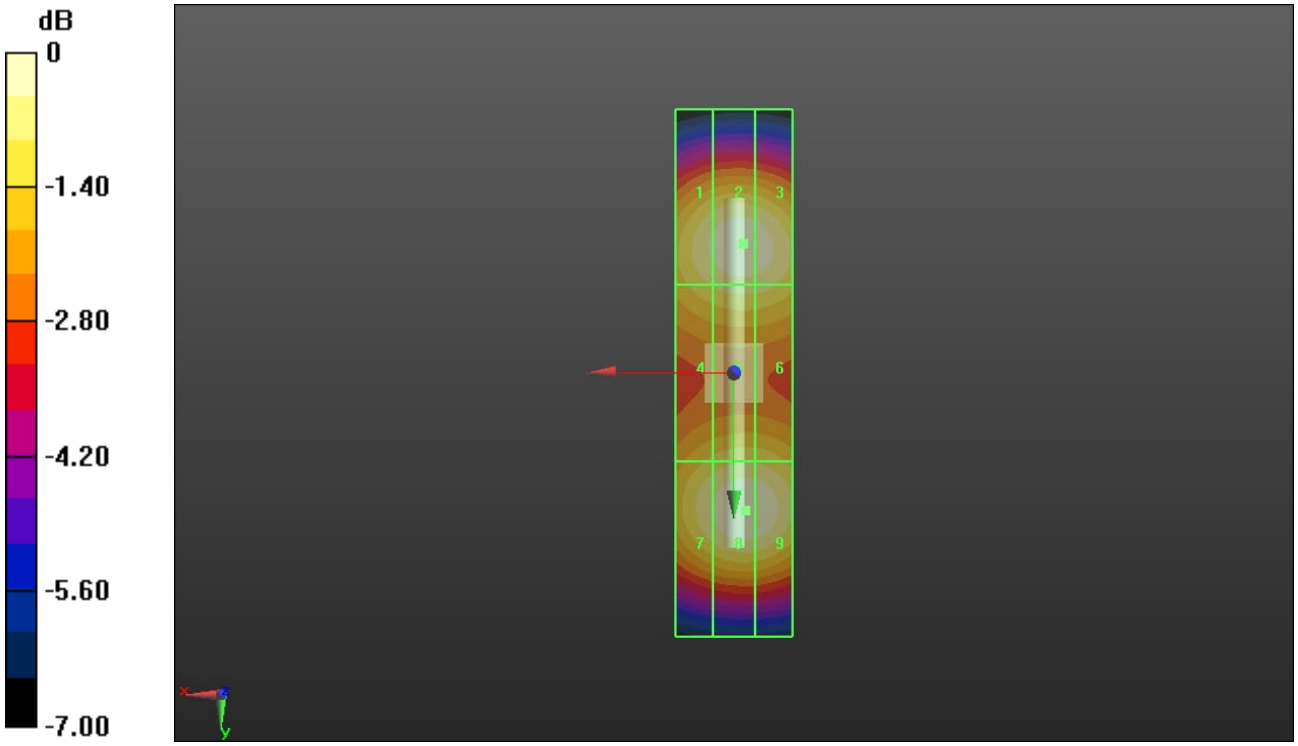
Communication System: UID 0, CW (0); Frequency: 2600 MHz; Duty Cycle: 1:1
Phantom section: RF Section
DASY5 Configuration:
- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1) @ 2600 MHz; Calibrated: 8/13/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1434; Calibrated: 11/11/2021
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7495)

Dipole E-Field Measurement 2600MHz/2600 MHz/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 = 71.25 V/m; Power Drift = -0.02 dB
Applied MIF = 0.00 dB
RF audio interference level = 39.20 dBV/m
Emission category: M2

MIF scaled E-field

Grid 1 **M2** **38.84 dBV/m**	Grid 2 **M2** **39.15 dBV/m**	Grid 3 **M2** **39.08 dBV/m**
Grid 4 **M2** **38.3 dBV/m**	Grid 5 **M2** **38.53 dBV/m**	Grid 6 **M2** **38.5 dBV/m**
Grid 7 **M2** **38.8 dBV/m**	Grid 8 **M2** **39.2 dBV/m**	Grid 9 **M2** **39.16 dBV/m**



0 dB = 91.17 V/m = 39.20 dBV/m

HAC-RF Emission System Check

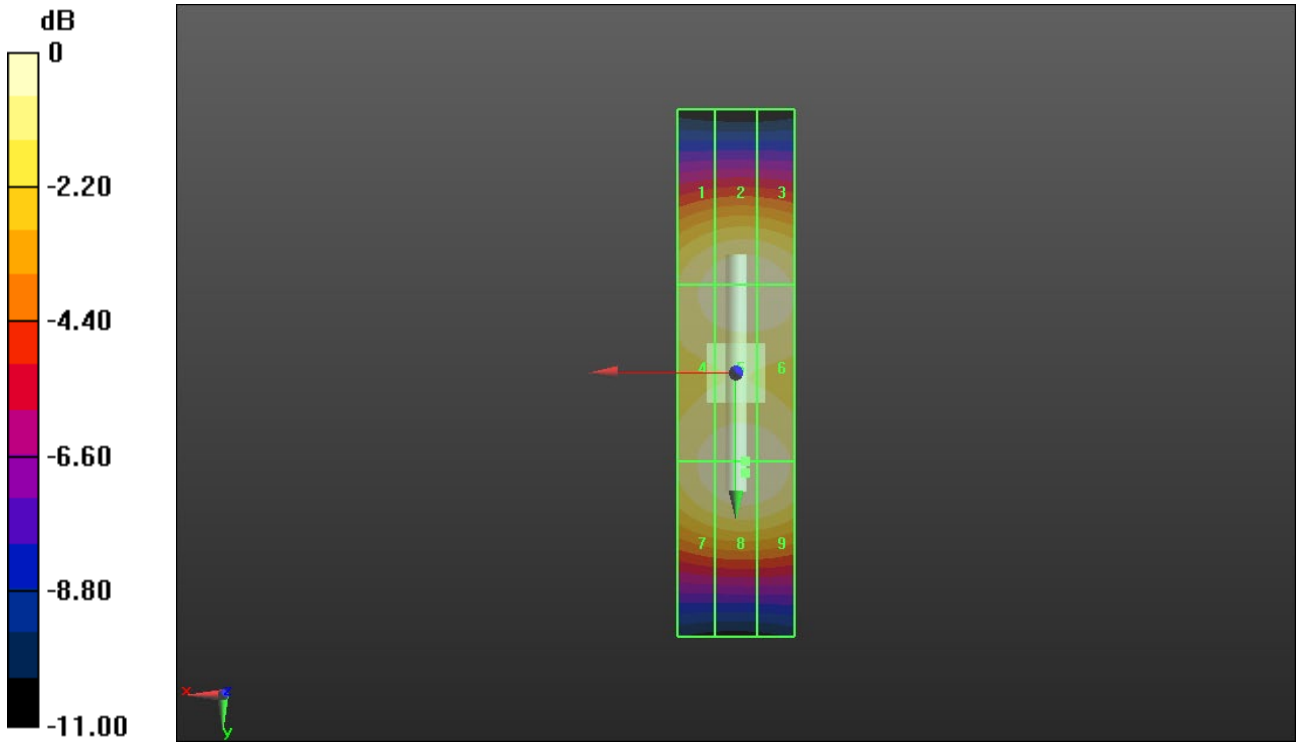
Communication System: UID 0, CW (0); Frequency: 3500 MHz; Duty Cycle: 1:1
Phantom section: RF Section
DASY5 Configuration:
- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1) @ 3500 MHz; Calibrated: 8/13/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1434; Calibrated: 11/11/2021
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7495)

Dipole E-Field Measurement 3500MHz/3500 MHz/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 = 37.59 V/m; Power Drift = -0.02 dB
Applied MIF = 0.00 dB
RF audio interference level = 38.89 dBV/m
Emission category: M2

MIF scaled E-field

Grid 1 **M2** **38.5 dBV/m**	Grid 2 **M2** **38.8 dBV/m**	Grid 3 **M2** **38.77 dBV/m**
Grid 4 **M2** **38.57 dBV/m**	Grid 5 **M2** **38.85 dBV/m**	Grid 6 **M2** **38.8 dBV/m**
Grid 7 **M2** **38.58 dBV/m**	Grid 8 **M2** **38.89 dBV/m**	Grid 9 **M2** **38.83 dBV/m**



0 dB = 87.97 V/m = 38.89 dBV/m

HAC-RF Emission System Check

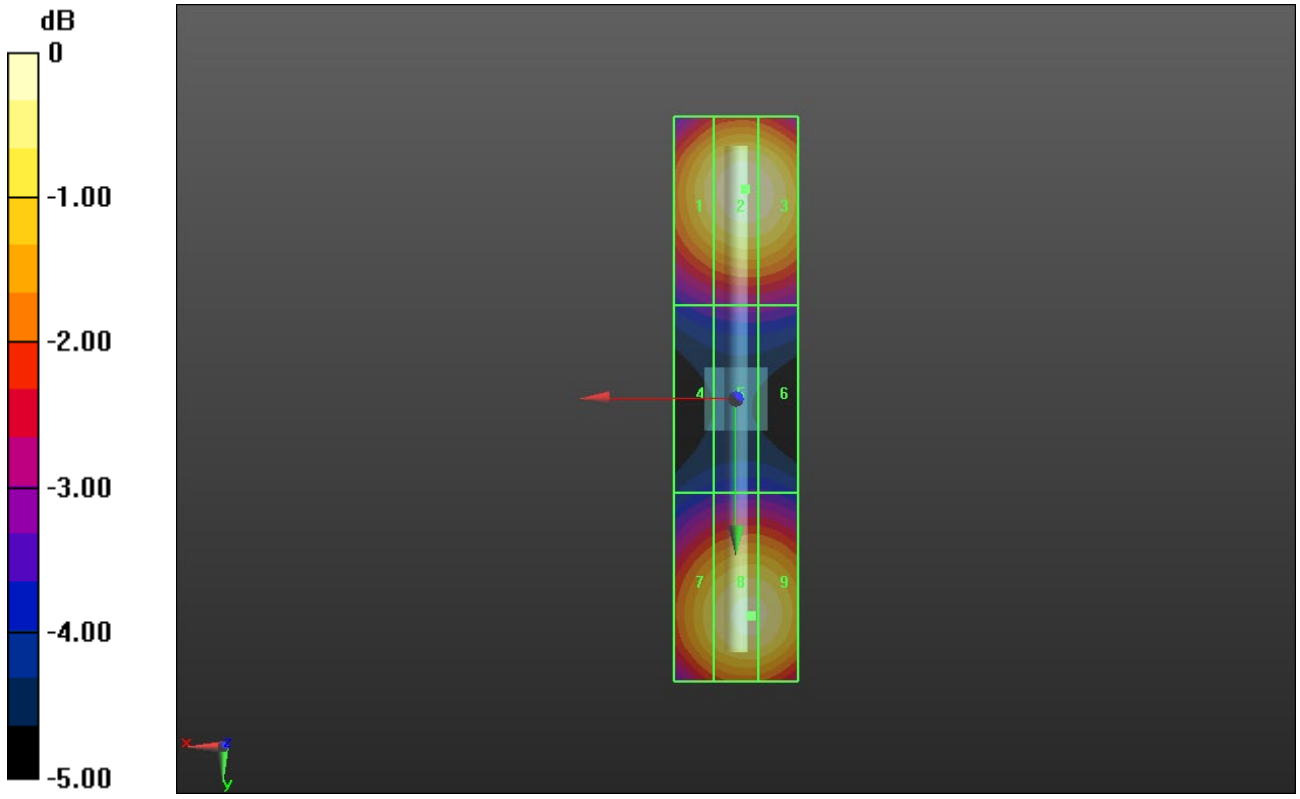
Communication System: UID 0, CW; Frequency: 1880 MHz; Duty Cycle: 1:1
Phantom section: RF Section
DASY5 Configuration:
- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1) @ 1880 MHz; Calibrated: 8/13/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1434; Calibrated: 11/11/2021
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7495)

Dipole E-Field Measurement 1880MHz/1880 MHz/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 = 156.6 V/m; Power Drift = 0.01 dB
Applied MIF = 0.00 dB
RF audio interference level = 39.58 dBV/m
Emission category: M2

MIF scaled E-field

Grid 1 **M2** **39.2 dBV/m**	Grid 2 **M2** **39.58 dBV/m**	Grid 3 **M2** **39.53 dBV/m**
Grid 4 **M2** **36.32 dBV/m**	Grid 5 **M2** **36.52 dBV/m**	Grid 6 **M2** **36.51 dBV/m**
Grid 7 **M2** **38.93 dBV/m**	Grid 8 **M2** **39.38 dBV/m**	Grid 9 **M2** **39.36 dBV/m**



0 dB = 95.24 V/m = 39.58 dBV/m