HAC-RF Emission System Check

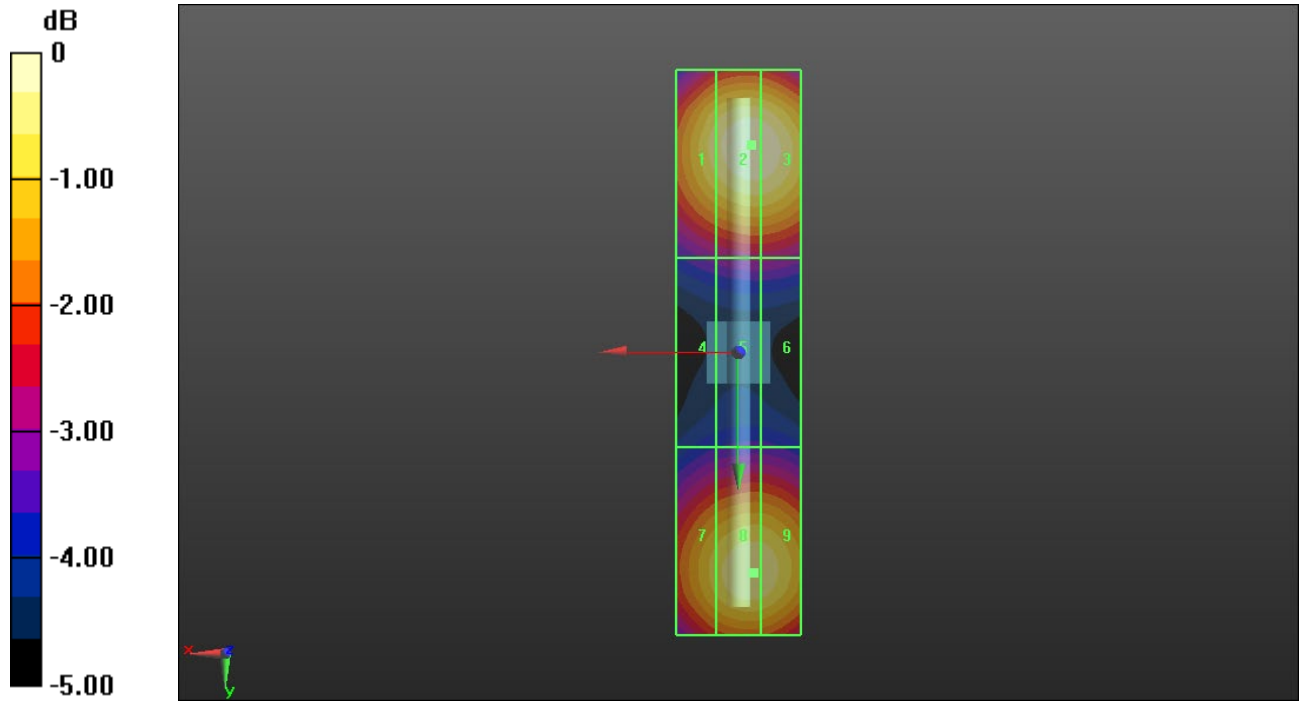
Communication System: UID 0, CW; Frequency: 1880 MHz; Duty Cycle: 1:1
Phantom section: RF Section
DASY5 Configuration:
- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1) @ 1880 MHz; Calibrated: 8/13/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1434; Calibrated: 11/11/2021
- Phantom: HAC Test Arch 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 = 146.3 V/m; Power Drift = 0.01 dB
Applied MIF = 0.00 dB
RF audio interference level = 39.30 dBV/m
Emission category: M2

MIF scaled E-field

Grid 1 **M2** **38.86 dBV/m**	Grid 2 **M2** **39.3 dBV/m**	Grid 3 **M2** **39.27 dBV/m**
Grid 4 **M2** **36.16 dBV/m**	Grid 5 **M2** **36.43 dBV/m**	Grid 6 **M2** **36.43 dBV/m**
Grid 7 **M2** **38.52 dBV/m**	Grid 8 **M2** **38.93 dBV/m**	Grid 9 **M2** **38.91 dBV/m**



0 dB = 92.21 V/m = 39.30 dBV/m

HAC-RF Emission System Check

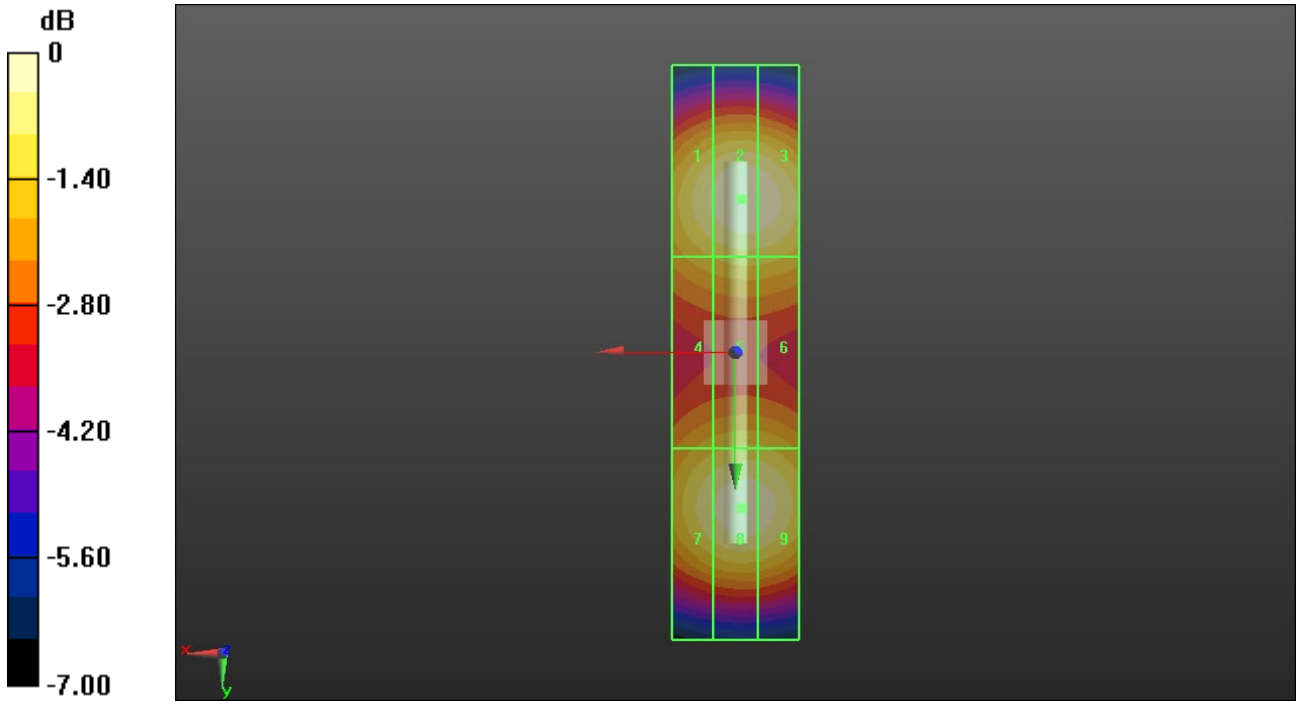
Communication System: UID 0, CW (0); Frequency: 2450 MHz; Duty Cycle: 1:1
Phantom section: RF Section
DASY5 Configuration:
- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1) @ 2450 MHz; Calibrated: 8/13/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1434; Calibrated: 11/11/2021
- Phantom: HAC Test 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 = 76.77 V/m; Power Drift = 0.02 dB
Applied MIF = 0.00 dB
RF audio interference level = 39.22 dBV/m
Emission category: M2

MIF scaled E-field

Grid 1 **M2** **38.86 dBV/m**	Grid 2 **M2** **39.22 dBV/m**	Grid 3 **M2** **39.17 dBV/m**
Grid 4 **M2** **37.85 dBV/m**	Grid 5 **M2** **38.09 dBV/m**	Grid 6 **M2** **38.08 dBV/m**
Grid 7 **M2** **38.74 dBV/m**	Grid 8 **M2** **39.09 dBV/m**	Grid 9 **M2** **39.04 dBV/m**



0 dB = 91.39 V/m = 39.22 dBV/m

HAC-RF Emission System Check

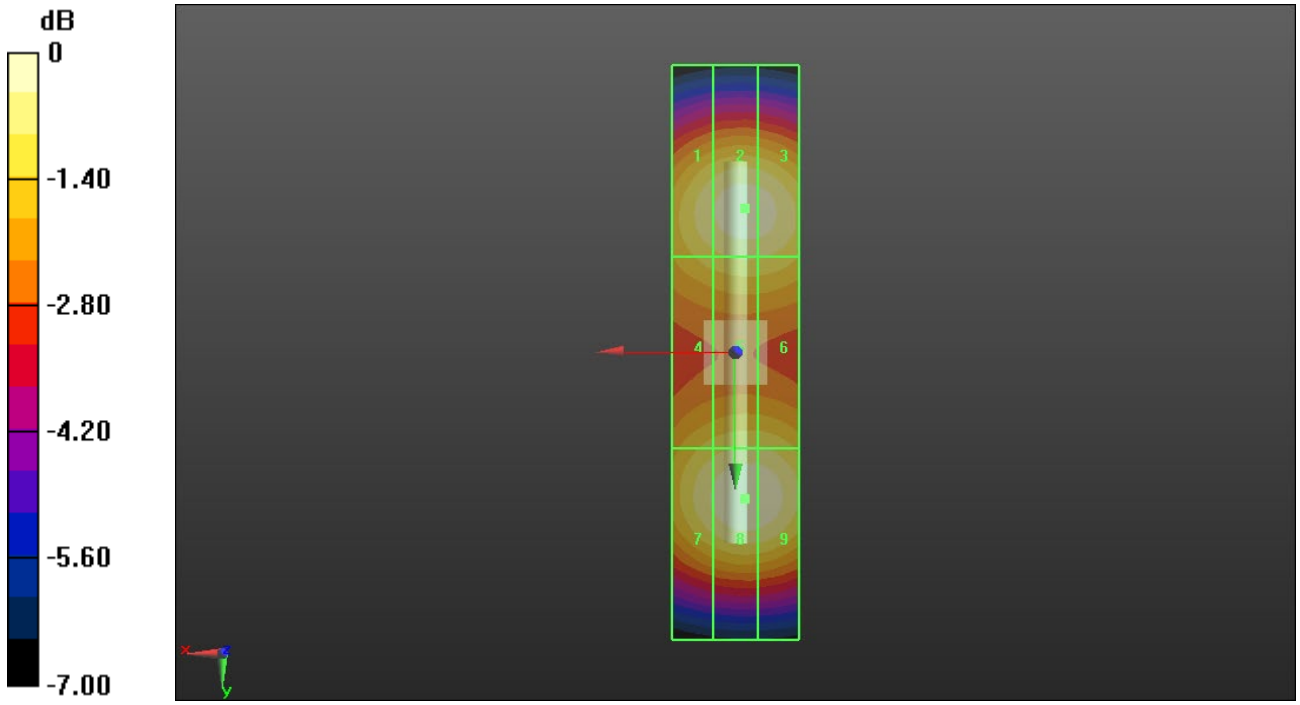
Communication System: UID 0, CW (0); Frequency: 2600 MHz; Duty Cycle: 1:1
Phantom section: RF Section
DASY5 Configuration:
- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1) @ 2600 MHz; Calibrated: 8/13/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1434; Calibrated: 11/11/2021
- Phantom: HAC Test 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 = 68.17 V/m; Power Drift = 0.02 dB
Applied MIF = 0.00 dB
RF audio interference level = 39.19 dBV/m
Emission category: M2

MIF scaled E-field

Grid 1 **M2** **38.71 dBV/m**	Grid 2 **M2** **39.04 dBV/m**	Grid 3 **M2** **38.99 dBV/m**
Grid 4 **M2** **38.1 dBV/m**	Grid 5 **M2** **38.34 dBV/m**	Grid 6 **M2** **38.33 dBV/m**
Grid 7 **M2** **38.8 dBV/m**	Grid 8 **M2** **39.19 dBV/m**	Grid 9 **M2** **39.16 dBV/m**



0 dB = 91.15 V/m = 39.20 dBV/m

HAC-RF Emission System Check

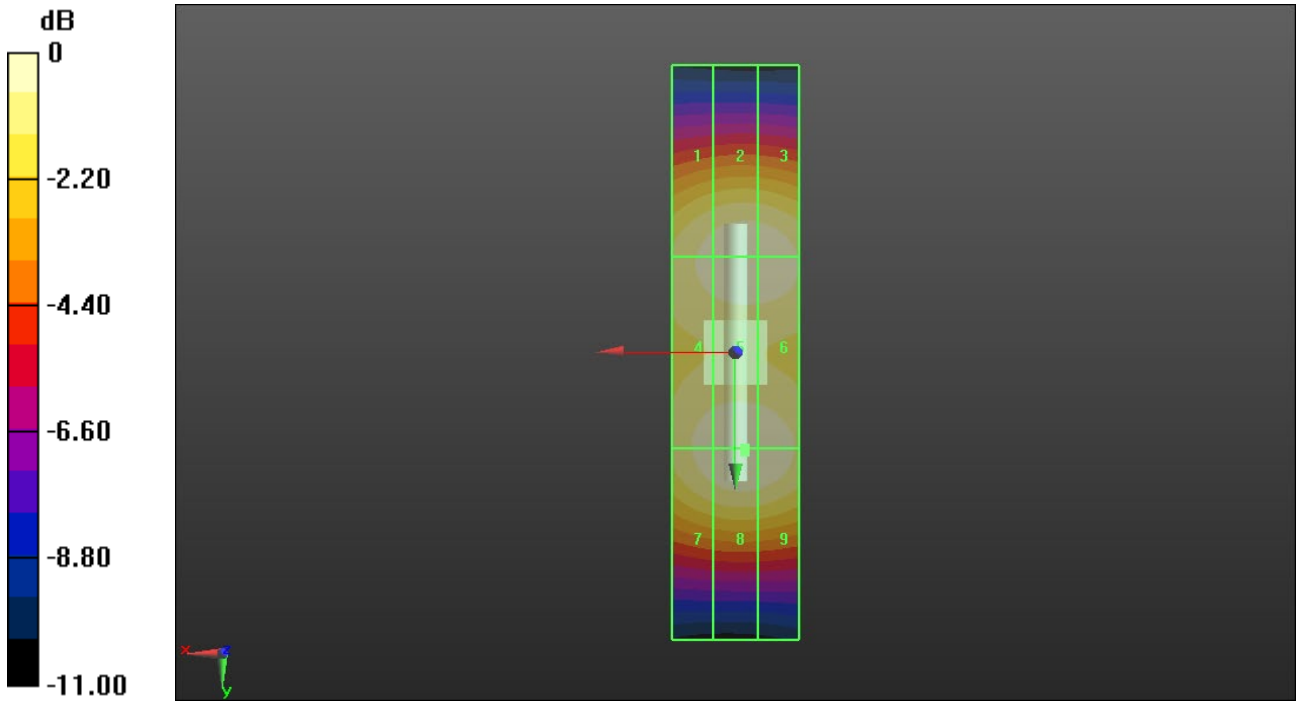
Communication System: UID 0, CW (0); Frequency: 3500 MHz; Duty Cycle: 1:1
Phantom section: RF Section
DASY5 Configuration:
- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1) @ 3500 MHz; Calibrated: 8/13/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1434; Calibrated: 11/11/2021
- Phantom: HAC Test 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 = 36.83 V/m; Power Drift = 0.02 dB
Applied MIF = 0.00 dB
RF audio interference level = 38.99 dBV/m
Emission category: M2

MIF scaled E-field

Grid 1 **M2** **38.57 dBV/m**	Grid 2 **M2** **38.87 dBV/m**	Grid 3 **M2** **38.85 dBV/m**
Grid 4 **M2** **38.71 dBV/m**	Grid 5 **M2** **38.99 dBV/m**	Grid 6 **M2** **38.92 dBV/m**
Grid 7 **M2** **38.71 dBV/m**	Grid 8 **M2** **38.99 dBV/m**	Grid 9 **M2** **38.93 dBV/m**



0 dB = 89.04 V/m = 38.99 dBV/m

HAC-RF Emission System Check

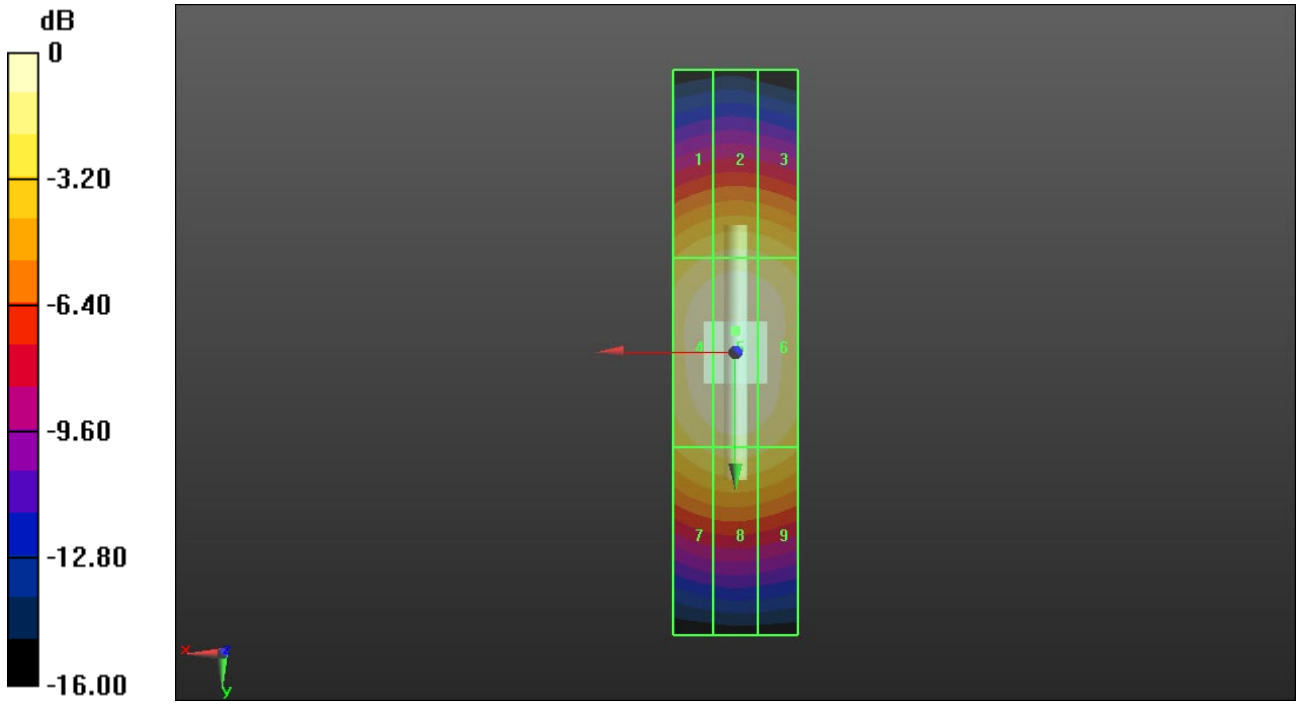
Communication System: UID 0, CW (0); Frequency: 5500 MHz; Duty Cycle: 1:1
Phantom section: RF Section
DASY5 Configuration:
- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1) @ 5500 MHz; Calibrated: 8/13/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1434; Calibrated: 11/11/2021
- Phantom: HAC Test 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 = 24.42 V/m; Power Drift = 0.01 dB
Applied MIF = 0.00 dB
RF audio interference level = 40.37 dBV/m
Emission category: M1

MIF scaled E-field

Grid 1 **M2** **38.51 dBV/m**	Grid 2 **M2** **38.74 dBV/m**	Grid 3 **M2** **38.59 dBV/m**
Grid 4 **M1** **40.19 dBV/m**	Grid 5 **M1** **40.37 dBV/m**	Grid 6 **M1** **40.12 dBV/m**
Grid 7 **M2** **38.61 dBV/m**	Grid 8 **M2** **38.84 dBV/m**	Grid 9 **M2** **38.62 dBV/m**



0 dB = 104.4 V/m = 40.37 dBV/m

HAC-RF Emission System Check

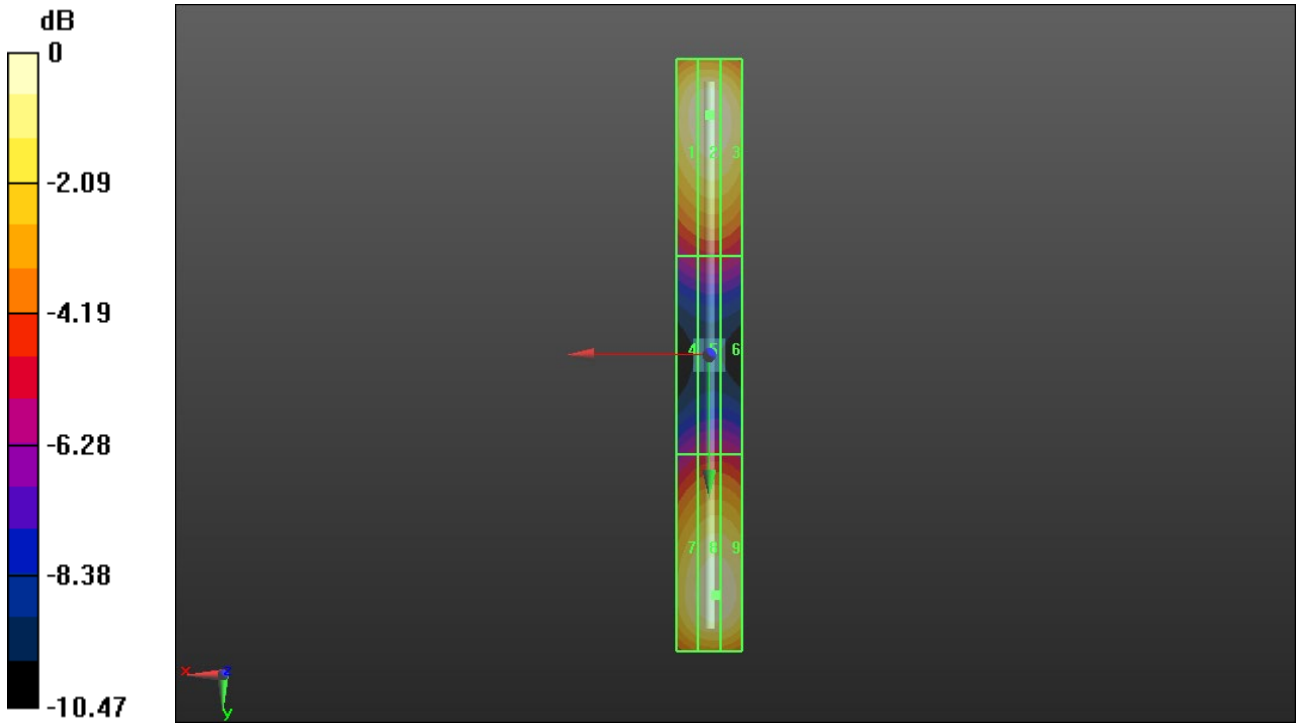
Communication System: UID 0, CW; Frequency: 835 MHz; Duty Cycle: 1:1
Phantom section: RF Section
DASY5 Configuration:
- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1) @ 835 MHz; Calibrated: 8/13/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1434; Calibrated: 11/11/2021
- Phantom: HAC Test Arch with 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 = 127.3 V/m; Power Drift = -0.01 dB
Applied MIF = 0.00 dB
RF audio interference level = 41.42 dBV/m
Emission category: M3

MIF scaled E-field

Grid 1 **M3** **41.2 dBV/m**	Grid 2 **M3** **41.42 dBV/m**	Grid 3 **M3** **41.25 dBV/m**
Grid 4 **M4** **36.05 dBV/m**	Grid 5 **M4** **36.3 dBV/m**	Grid 6 **M4** **36.24 dBV/m**
Grid 7 **M3** **40.89 dBV/m**	Grid 8 **M3** **41.34 dBV/m**	Grid 9 **M3** **41.32 dBV/m**



0 dB = 117.8 V/m = 41.42 dBV/m