HAC-RF Emission System Check

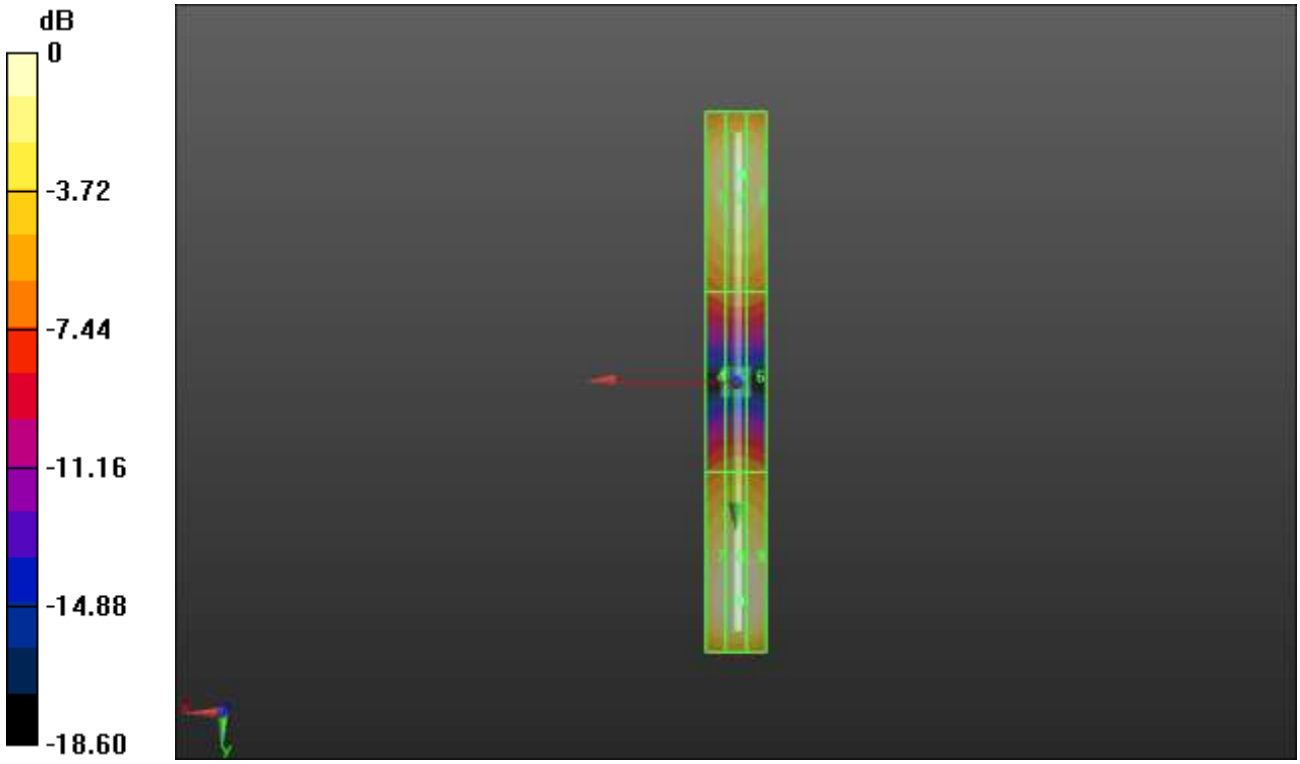
Communication System: UID 0, CW; Frequency: 835 MHz; Duty Cycle: 1:1
Phantom section: TCoil Section
DASY5 Configuration:
- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 835 MHz; Calibrated: 3/22/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1547; Calibrated: 4/19/2021
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

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 = 142.1 V/m; Power Drift = 0.02 dB
Applied MIF = 0.00 dB
RF audio interference level = 42.17 dBV/m
Emission category: M3

MIF scaled E-field

Grid 1 **M3** **40.77 dBV/m**	Grid 2 **M3** **41.14 dBV/m**	Grid 3 **M3** **41.09 dBV/m**
Grid 4 **M4** **35.97 dBV/m**	Grid 5 **M4** **36.27 dBV/m**	Grid 6 **M4** **36.19 dBV/m**
Grid 7 **M3** **41.83 dBV/m**	Grid 8 **M3** **42.17 dBV/m**	Grid 9 **M3** **42.06 dBV/m**



0 dB = 128.3 V/m = 42.16 dBV/m

HAC-RF Emission System Check

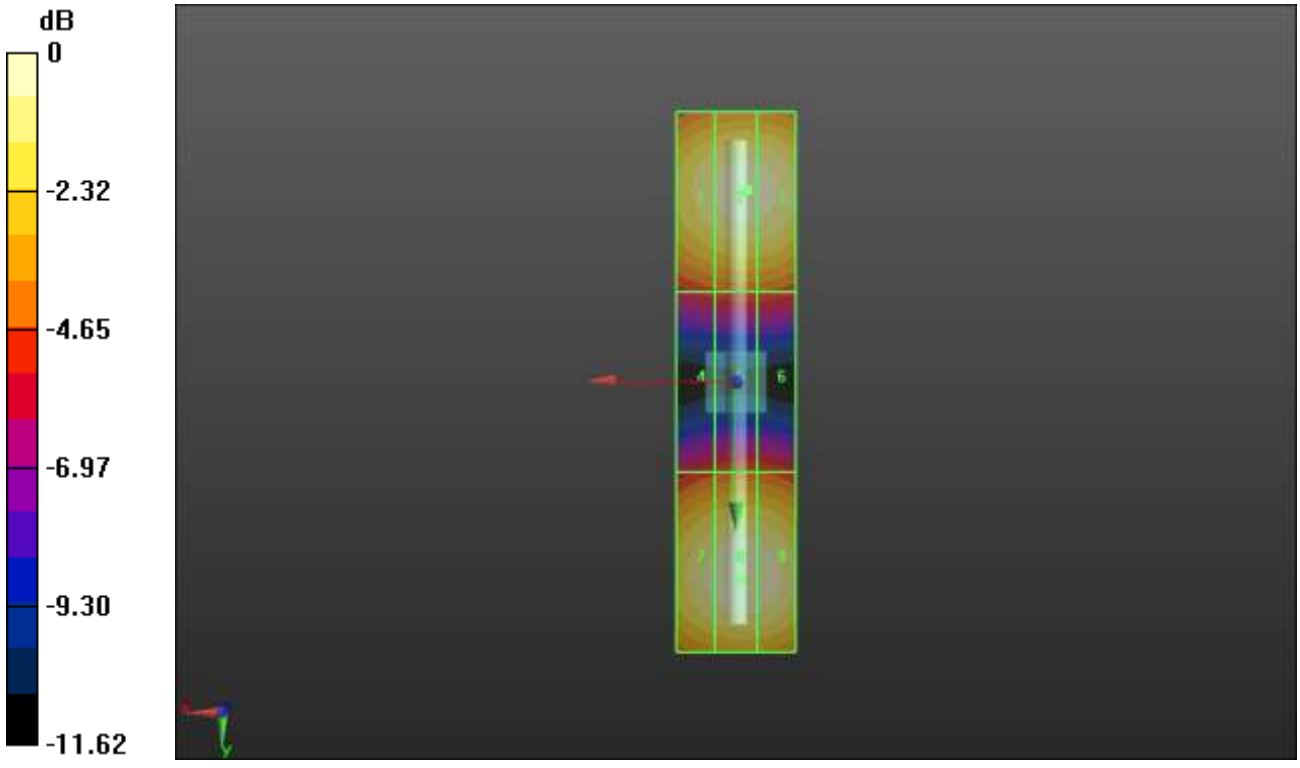
Communication System: UID 0, CW; Frequency: 1880 MHz; Duty Cycle: 1:1
Phantom section: RF Section
DASY5 Configuration:
- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 1880 MHz; Calibrated: 3/22/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1547; Calibrated: 4/19/2021
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

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 = 140.0 V/m; Power Drift = -0.01 dB
Applied MIF = 0.00 dB
RF audio interference level = 38.91 dBV/m
Emission category: M2

MIF scaled E-field

Grid 1 **M2** **38.2 dBV/m**	Grid 2 **M2** **38.66 dBV/m**	Grid 3 **M2** **38.61 dBV/m**
Grid 4 **M3** **34.06 dBV/m**	Grid 5 **M3** **34.42 dBV/m**	Grid 6 **M3** **34.34 dBV/m**
Grid 7 **M2** **38.52 dBV/m**	Grid 8 **M2** **38.91 dBV/m**	Grid 9 **M2** **38.81 dBV/m**



0 dB = 88.21 V/m = 38.91 dBV/m

HAC-RF Emission System Check

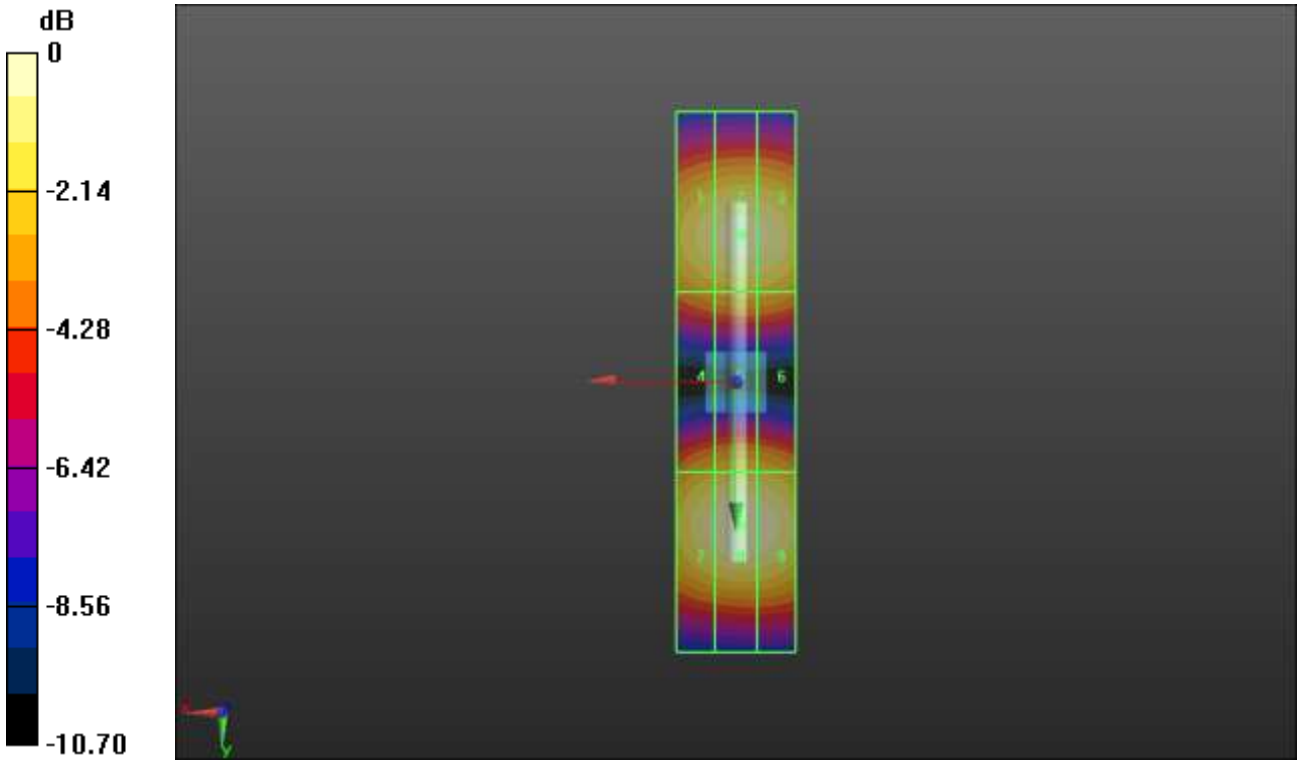
Communication System: UID 0, CW (0); Frequency: 2450 MHz; Duty Cycle: 1:1
Phantom section: RF Section
DASY5 Configuration:
- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 2450 MHz; Calibrated: 3/22/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1547; Calibrated: 4/19/2021
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

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 = 51.19 V/m; Power Drift = -0.01 dB
Applied MIF = 0.00 dB
RF audio interference level = 38.60 dBV/m
Emission category: M2

MIF scaled E-field

Grid 1 **M2** **37.8 dBV/m**	Grid 2 **M2** **38.21 dBV/m**	Grid 3 **M2** **38.13 dBV/m**
Grid 4 **M2** **36.32 dBV/m**	Grid 5 **M2** **36.7 dBV/m**	Grid 6 **M2** **36.61 dBV/m**
Grid 7 **M2** **38.17 dBV/m**	Grid 8 **M2** **38.6 dBV/m**	Grid 9 **M2** **38.48 dBV/m**



0 dB = 85.14 V/m = 38.60 dBV/m

HAC-RF Emission System Check

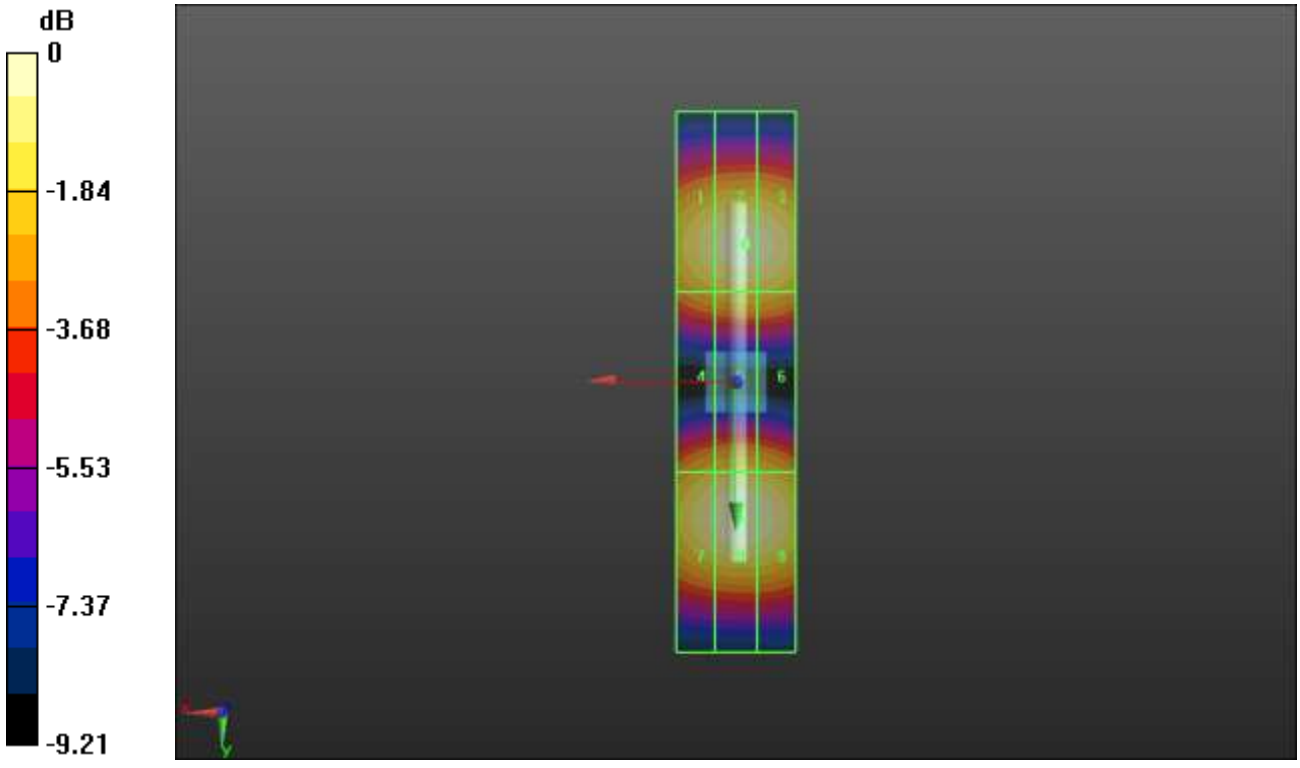
Communication System: UID 0, CW (0); Frequency: 2600 MHz; Duty Cycle: 1:1
Phantom section: RF Section
DASY5 Configuration:
- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 2600 MHz; Calibrated: 3/22/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1547; Calibrated: 4/19/2021
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

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 = 43.61 V/m; Power Drift = -0.07 dB
Applied MIF = 0.00 dB
RF audio interference level = 38.15 dBV/m
Emission category: M2

MIF scaled E-field

Grid 1 **M2** **37.5 dBV/m**	Grid 2 **M2** **37.92 dBV/m**	Grid 3 **M2** **37.85 dBV/m**
Grid 4 **M2** **36.38 dBV/m**	Grid 5 **M2** **36.69 dBV/m**	Grid 6 **M2** **36.57 dBV/m**
Grid 7 **M2** **37.77 dBV/m**	Grid 8 **M2** **38.15 dBV/m**	Grid 9 **M2** **38 dBV/m**



0 dB = 80.86 V/m = 38.15 dBV/m

HAC-RF Emission System Check

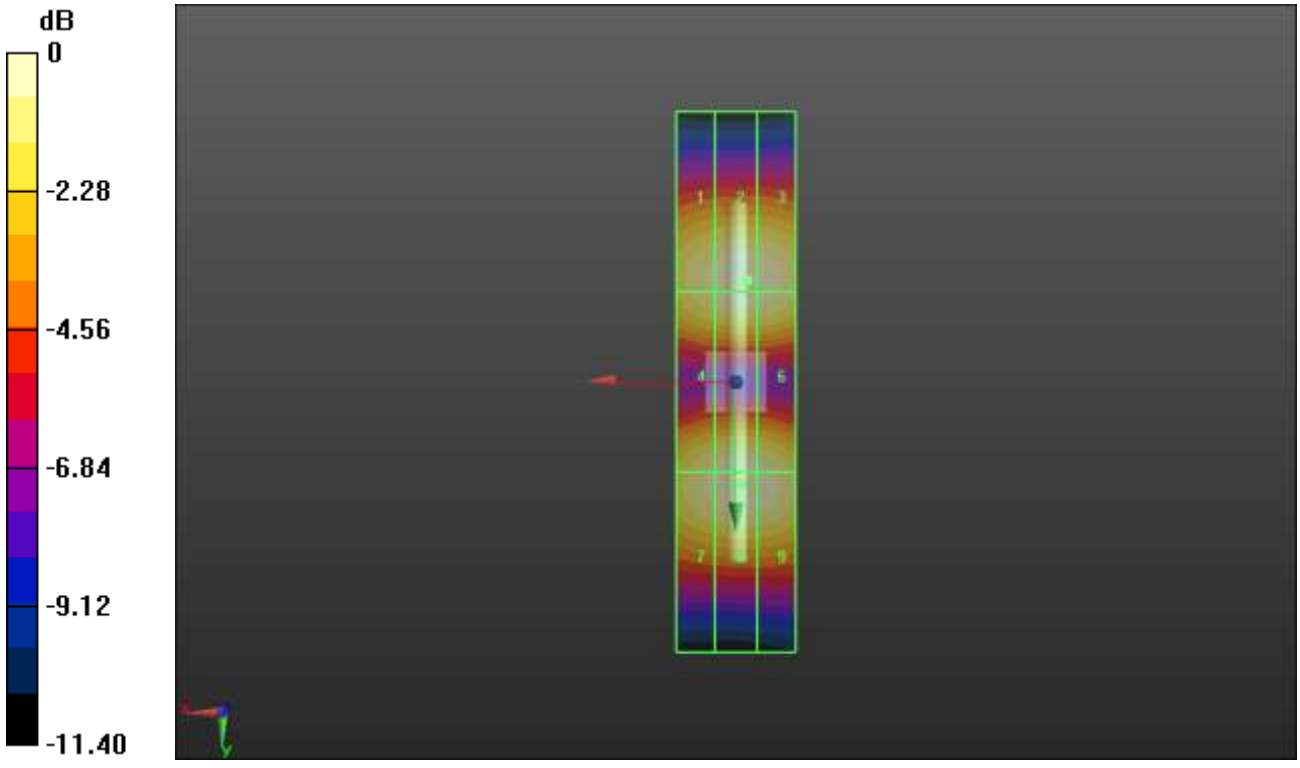
Communication System: UID 0, CW (0); Frequency: 3500 MHz; Duty Cycle: 1:1
Phantom section: TCoil Section
DASY5 Configuration:
- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 3500 MHz; Calibrated: 3/22/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1547; Calibrated: 4/19/2021
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

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 = 24.99 V/m; Power Drift = 0.04 dB
Applied MIF = 0.00 dB
RF audio interference level = 37.64 dBV/m
Emission category: M2

MIF scaled E-field

Grid 1 **M2** **37.16 dBV/m**	Grid 2 **M2** **37.59 dBV/m**	Grid 3 **M2** **37.53 dBV/m**
Grid 4 **M2** **37.12 dBV/m**	Grid 5 **M2** **37.48 dBV/m**	Grid 6 **M2** **37.36 dBV/m**
Grid 7 **M2** **37.27 dBV/m**	Grid 8 **M2** **37.64 dBV/m**	Grid 9 **M2** **37.51 dBV/m**



0 dB = 76.17 V/m = 37.64 dBV/m

HAC-RF Emission System Check

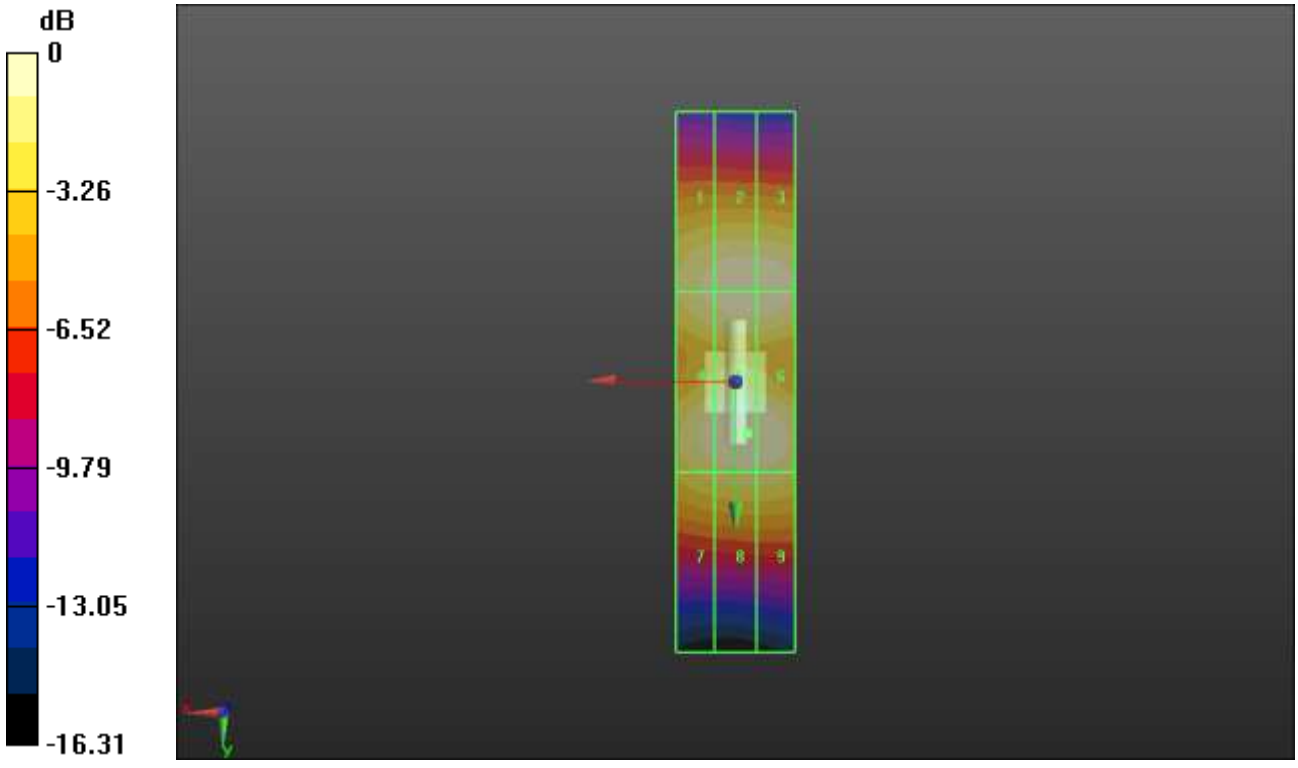
Communication System: UID 0, CW (0); Frequency: 5500 MHz; Duty Cycle: 1:1
Phantom section: TCoil Section
DASY5 Configuration:
- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 5500 MHz; Calibrated: 3/22/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1547; Calibrated: 4/19/2021
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

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 = 15.49 V/m; Power Drift = -0.12 dB
Applied MIF = 0.00 dB
RF audio interference level = 39.65 dBV/m
Emission category: M2

MIF scaled E-field

Grid 1 **M2** **39 dBV/m**	Grid 2 **M2** **39.52 dBV/m**	Grid 3 **M2** **39.49 dBV/m**
Grid 4 **M2** **39.15 dBV/m**	Grid 5 **M2** **39.65 dBV/m**	Grid 6 **M2** **39.57 dBV/m**
Grid 7 **M2** **38.02 dBV/m**	Grid 8 **M2** **38.43 dBV/m**	Grid 9 **M2** **38.4 dBV/m**



0 dB = 96.09 V/m = 39.65 dBV/m

HAC-RF Emission System Check

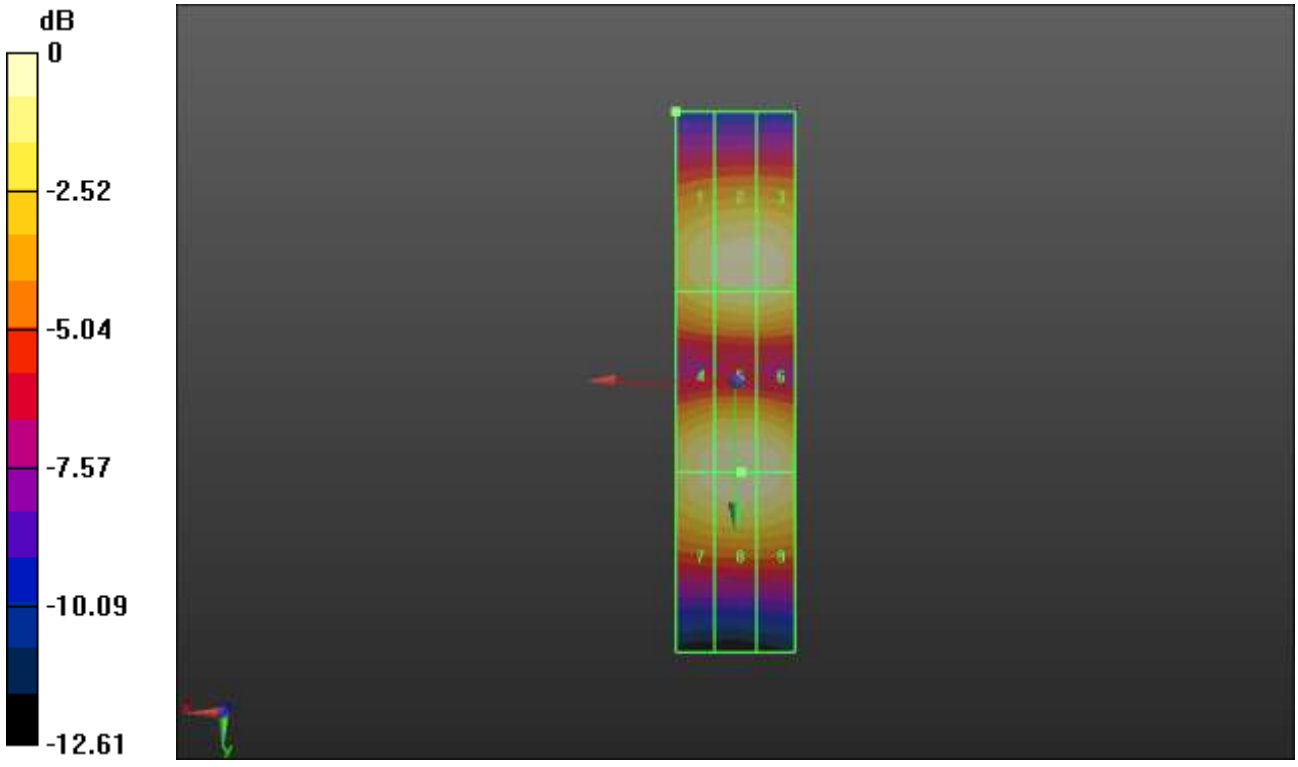
Communication System: UID 0, CW (0); Frequency: 3500 MHz; Duty Cycle: 1:1
Phantom section: TCoil Section
DASY5 Configuration:
- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 3500 MHz; Calibrated: 3/22/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1547; Calibrated: 4/19/2021
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

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 = 22.01 V/m; Power Drift = 0.06 dB
Applied MIF = 0.00 dB
RF audio interference level = 37.89 dBV/m
Emission category: M2

MIF scaled E-field

Grid 1 **M2** **37.22 dBV/m**	Grid 2 **M2** **37.73 dBV/m**	Grid 3 **M2** **37.7 dBV/m**
Grid 4 **M2** **37.58 dBV/m**	Grid 5 **M2** **37.89 dBV/m**	Grid 6 **M2** **37.79 dBV/m**
Grid 7 **M2** **37.58 dBV/m**	Grid 8 **M2** **37.89 dBV/m**	Grid 9 **M2** **37.79 dBV/m**



0 dB = 78.46 V/m = 37.89 dBV/m

HAC-RF Emission System Check

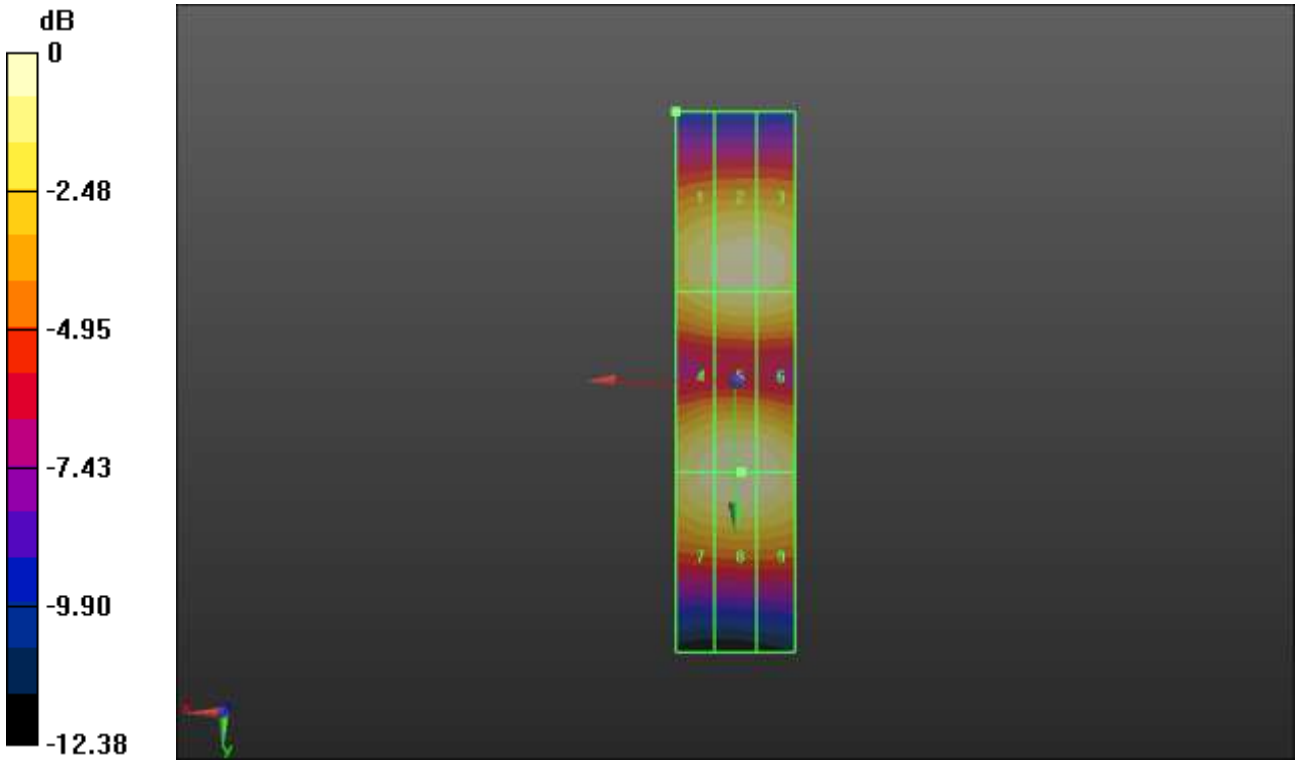
Communication System: UID 0, CW (0); Frequency: 3500 MHz; Duty Cycle: 1:1
Phantom section: TCoil Section
DASY5 Configuration:
- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 3500 MHz; Calibrated: 3/22/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1547; Calibrated: 4/19/2021
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

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 = 22.07 V/m; Power Drift = -0.10 dB
Applied MIF = 0.00 dB
RF audio interference level = 37.60 dBV/m
Emission category: M2

MIF scaled E-field

Grid 1 **M2** **37 dBV/m**	Grid 2 **M2** **37.48 dBV/m**	Grid 3 **M2** **37.44 dBV/m**
Grid 4 **M2** **37.3 dBV/m**	Grid 5 **M2** **37.6 dBV/m**	Grid 6 **M2** **37.49 dBV/m**
Grid 7 **M2** **37.3 dBV/m**	Grid 8 **M2** **37.6 dBV/m**	Grid 9 **M2** **37.49 dBV/m**



0 dB = 75.89 V/m = 37.60 dBV/m

HAC-RF Emission System Check

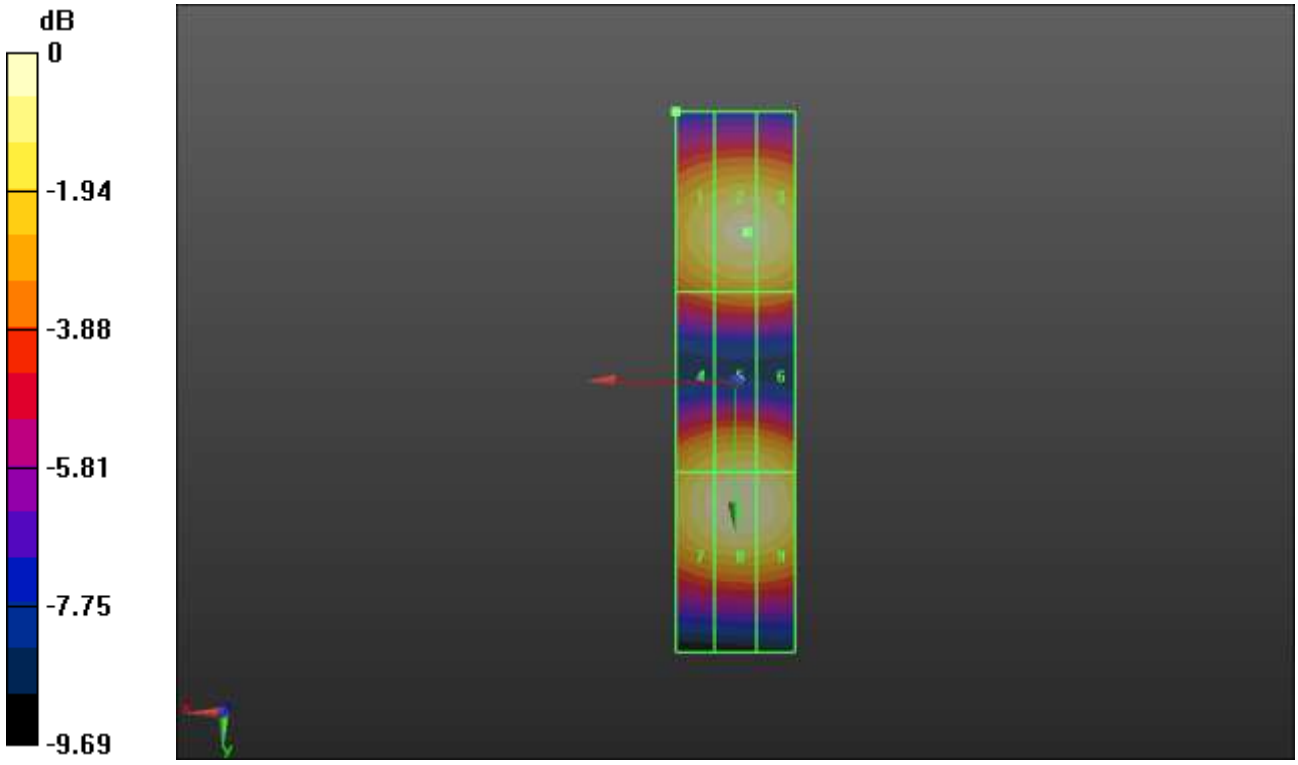
Communication System: UID 0, CW (0); Frequency: 2600 MHz; Duty Cycle: 1:1
Phantom section: RF Section
DASY5 Configuration:
- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 2600 MHz; Calibrated: 3/22/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1547; Calibrated: 4/19/2021
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

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 = 36.70 V/m; Power Drift = 0.01 dB
Applied MIF = 0.00 dB
RF audio interference level = 38.17 dBV/m
Emission category: M2

MIF scaled E-field

Grid 1 **M2** **37.3 dBV/m**	Grid 2 **M2** **37.77 dBV/m**	Grid 3 **M2** **37.74 dBV/m**
Grid 4 **M2** **37.1 dBV/m**	Grid 5 **M2** **37.41 dBV/m**	Grid 6 **M2** **37.31 dBV/m**
Grid 7 **M2** **37.81 dBV/m**	Grid 8 **M2** **38.17 dBV/m**	Grid 9 **M2** **38.05 dBV/m**



0 dB = 81.02 V/m = 38.17 dBV/m

HAC-RF Emission System Check

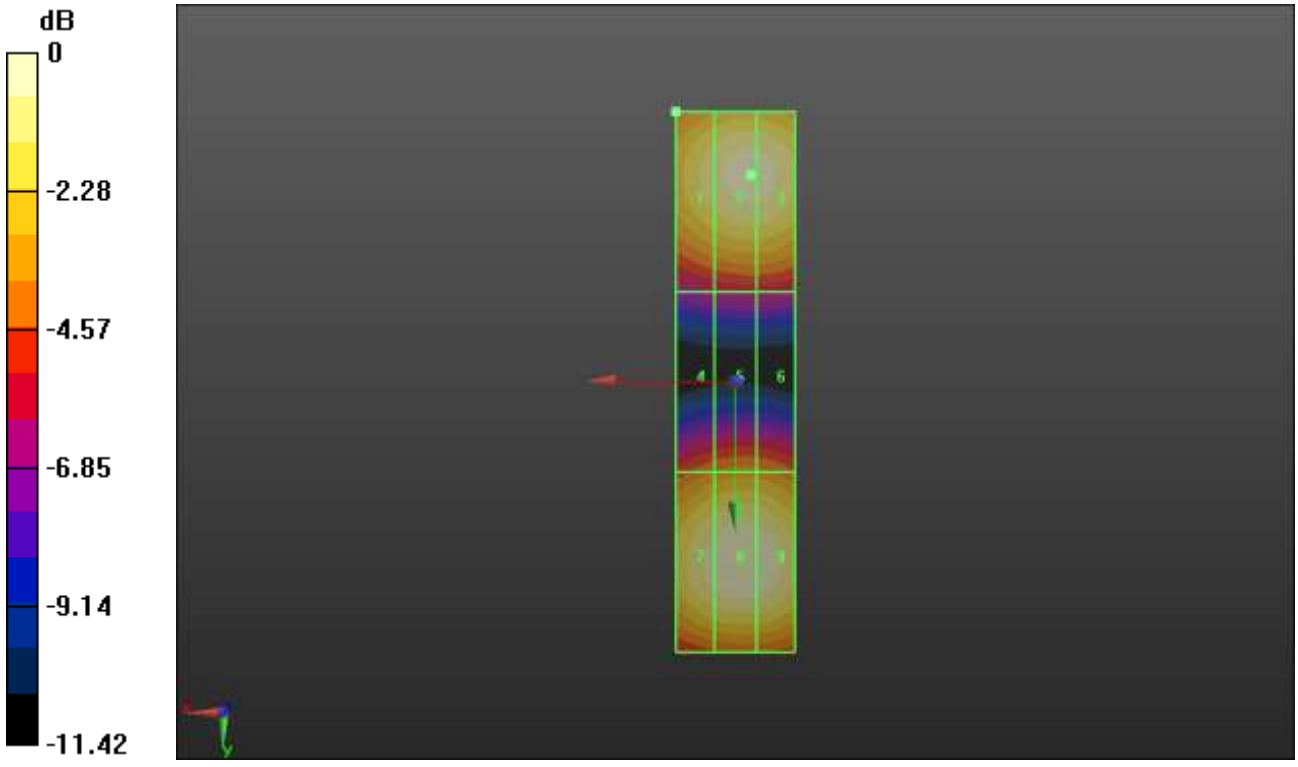
Communication System: UID 0, CW; Frequency: 1880 MHz; Duty Cycle: 1:1
Phantom section: RF Section
DASY5 Configuration:
- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 1880 MHz; Calibrated: 3/22/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1547; Calibrated: 4/19/2021
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

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 = 116.6 V/m; Power Drift = 0.00 dB
Applied MIF = 0.00 dB
RF audio interference level = 39.05 dBV/m
Emission category: M2

MIF scaled E-field

Grid 1 **M2** **38.08 dBV/m**	Grid 2 **M2** **38.65 dBV/m**	Grid 3 **M2** **38.63 dBV/m**
Grid 4 **M2** **35.31 dBV/m**	Grid 5 **M2** **35.65 dBV/m**	Grid 6 **M2** **35.6 dBV/m**
Grid 7 **M2** **38.66 dBV/m**	Grid 8 **M2** **39.05 dBV/m**	Grid 9 **M2** **38.98 dBV/m**



0 dB = 89.68 V/m = 39.05 dBV/m

HAC-RF Emission System Check

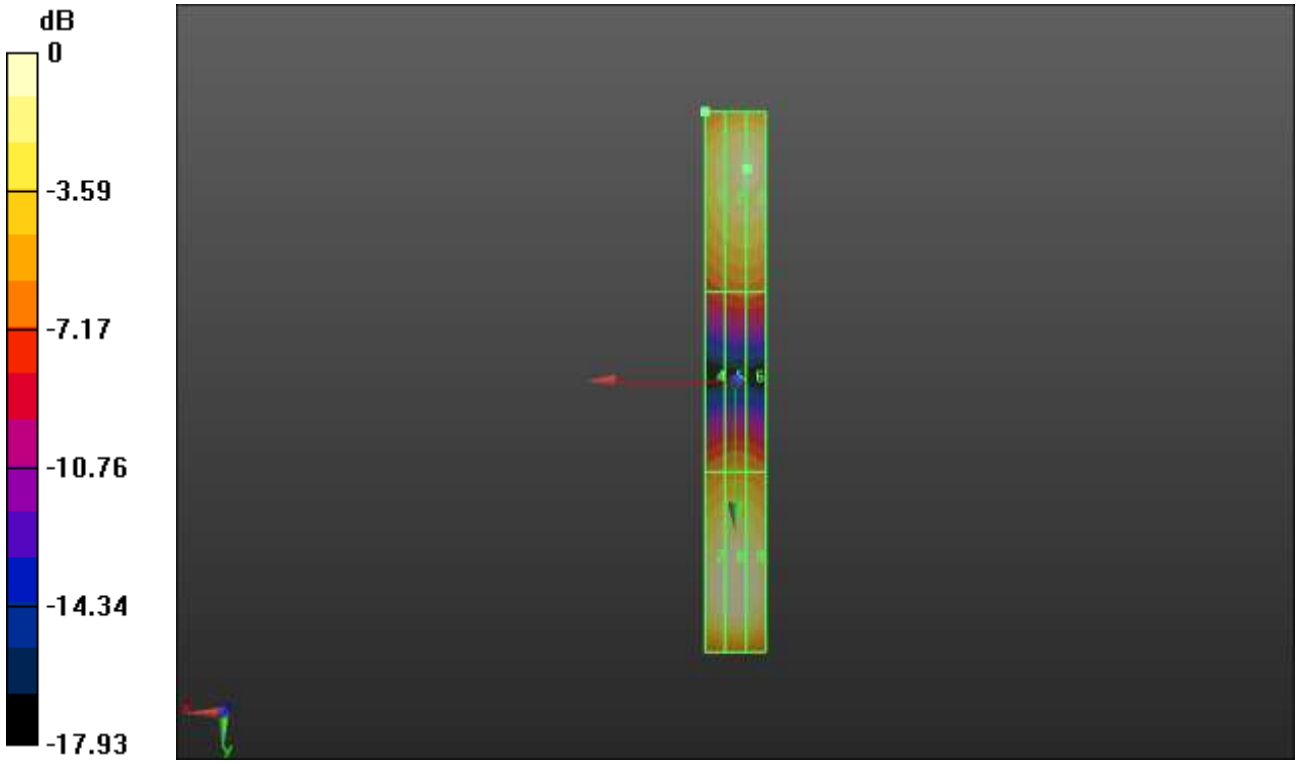
Communication System: UID 0, CW; Frequency: 835 MHz; Duty Cycle: 1:1
Phantom section: TCoil Section
DASY5 Configuration:
- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 835 MHz; Calibrated: 3/22/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1547; Calibrated: 4/19/2021
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

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 = 144.5 V/m; Power Drift = 0.01 dB
Applied MIF = 0.00 dB
RF audio interference level = 41.82 dBV/m
Emission category: M3

MIF scaled E-field

Grid 1 **M3** **40.18 dBV/m**	Grid 2 **M3** **40.92 dBV/m**	Grid 3 **M3** **40.93 dBV/m**
Grid 4 **M4** **36.31 dBV/m**	Grid 5 **M4** **36.55 dBV/m**	Grid 6 **M4** **36.41 dBV/m**
Grid 7 **M3** **41.6 dBV/m**	Grid 8 **M3** **41.82 dBV/m**	Grid 9 **M3** **41.58 dBV/m**



0 dB = 123.3 V/m = 41.82 dBV/m

HAC-RF Emission System Check

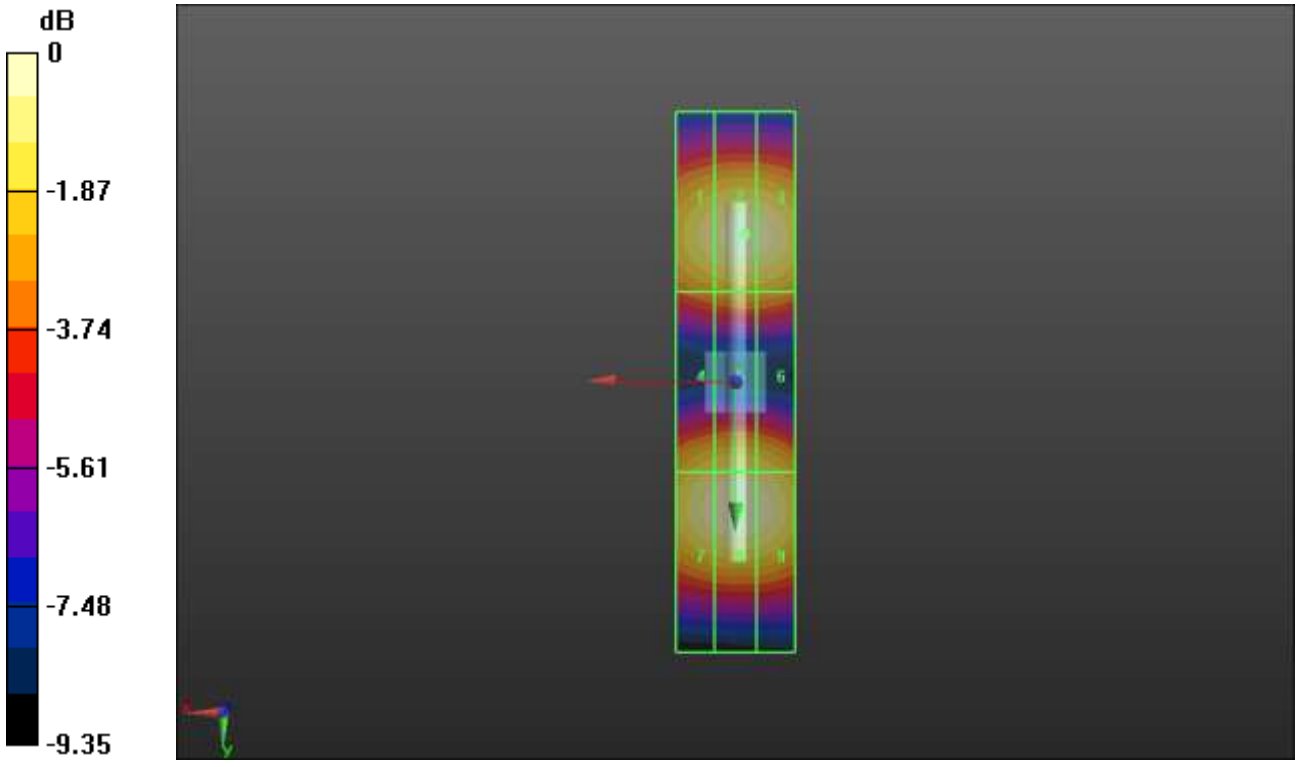
Communication System: UID 0, CW (0); Frequency: 2600 MHz; Duty Cycle: 1:1
Phantom section: RF Section
DASY5 Configuration:
- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 2600 MHz; Calibrated: 3/22/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1547; Calibrated: 4/19/2021
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

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 = 38.87 V/m; Power Drift = -0.03 dB
Applied MIF = 0.00 dB
RF audio interference level = 38.18 dBV/m
Emission category: M2

MIF scaled E-field

Grid 1 **M2** **37.44 dBV/m**	Grid 2 **M2** **37.87 dBV/m**	Grid 3 **M2** **37.82 dBV/m**
Grid 4 **M2** **37.05 dBV/m**	Grid 5 **M2** **37.28 dBV/m**	Grid 6 **M2** **37.12 dBV/m**
Grid 7 **M2** **37.89 dBV/m**	Grid 8 **M2** **38.18 dBV/m**	Grid 9 **M2** **37.99 dBV/m**



0 dB = 81.08 V/m = 38.18 dBV/m