HAC-RF Emission

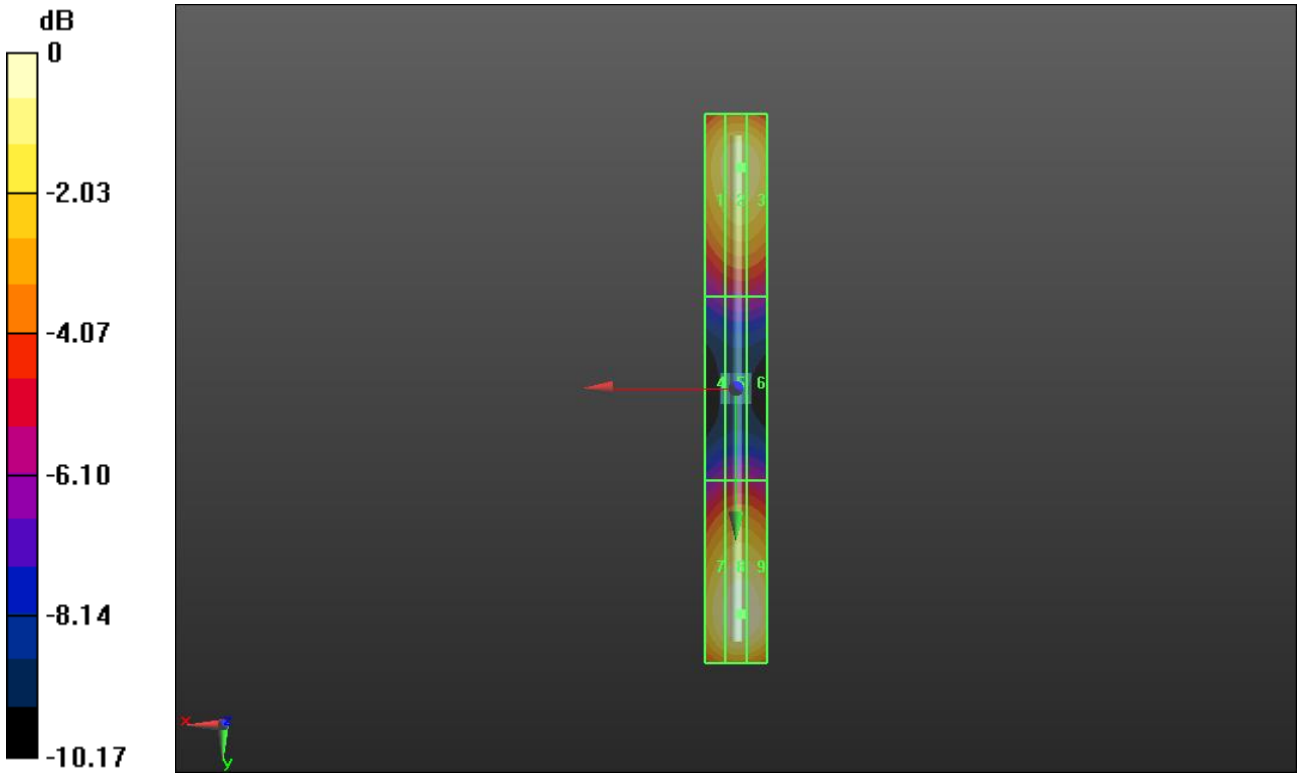
Communication System: UID 0, CW; Frequency: 835 MHz; Duty Cycle: 1:1
Phantom section: RF Section
DASY5 Configuration:
- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 835 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2);SEMCAD X Version 14.6.12 (7470)

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 = 129.2 V/m; Power Drift = 0.02 dB
Applied MIF = 0.00 dB
RF audio interference level = 41.64 dBV/m
Emission category: M3

MIF scaled E-field

Grid 1 **M3** **40.57 dBV/m**	Grid 2 **M3** **40.88 dBV/m**	Grid 3 **M3** **40.83 dBV/m**
Grid 4 **M4** **35.74 dBV/m**	Grid 5 **M4** **36 dBV/m**	Grid 6 **M4** **35.98 dBV/m**
Grid 7 **M3** **41.2 dBV/m**	Grid 8 **M3** **41.64 dBV/m**	Grid 9 **M3** **41.6 dBV/m**



0 dB = 120.7 V/m = 41.63 dBV/m

HAC-RF Emission

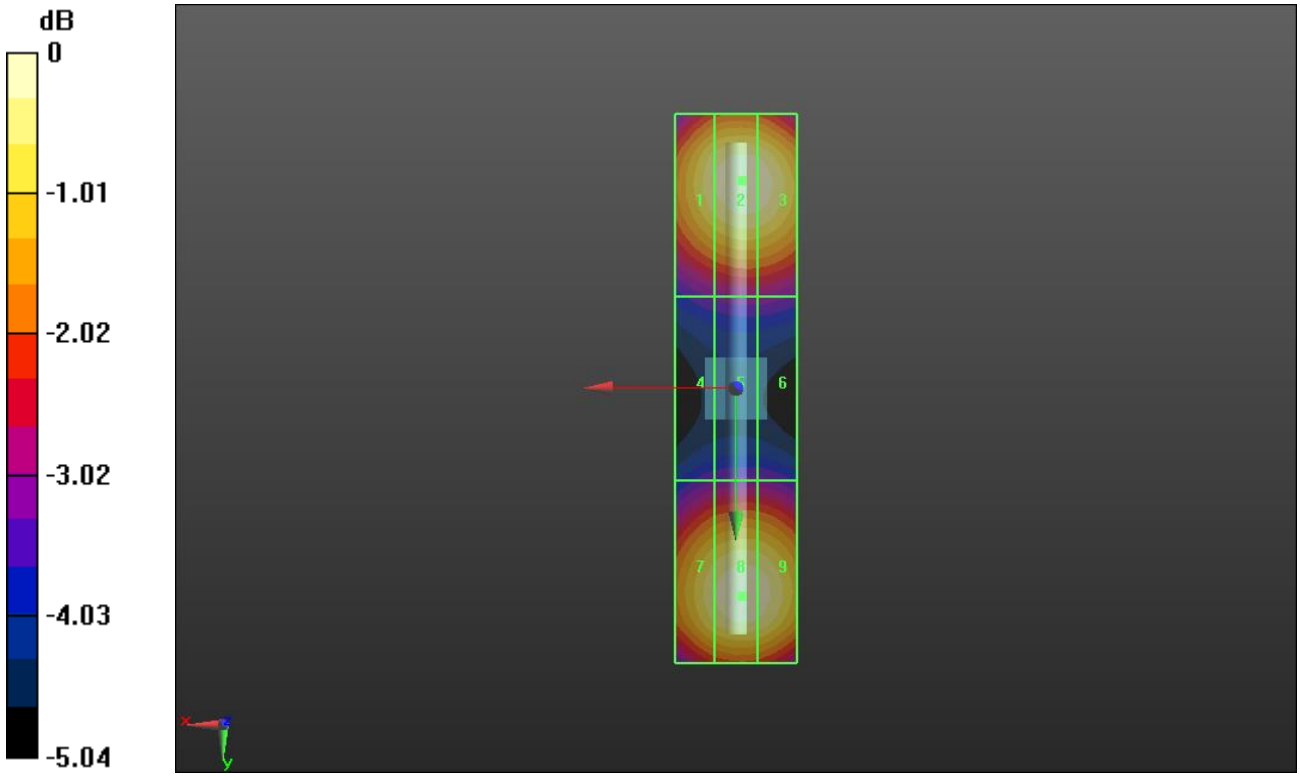
Communication System: UID 0, CW; Frequency: 1880 MHz; Duty Cycle: 1:1
Phantom section: RF Section
DASY5 Configuration:
- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 1880 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2);SEMCAD X Version 14.6.12 (7470)

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 = 159.3 V/m; Power Drift = -0.00 dB
Applied MIF = 0.00 dB
RF audio interference level = 39.63 dBV/m
Emission category: M2

MIF scaled E-field

Grid 1 **M2** **39.31 dBV/m**	Grid 2 **M2** **39.63 dBV/m**	Grid 3 **M2** **39.57 dBV/m**
Grid 4 **M2** **36.36 dBV/m**	Grid 5 **M2** **36.55 dBV/m**	Grid 6 **M2** **36.54 dBV/m**
Grid 7 **M2** **39.28 dBV/m**	Grid 8 **M2** **39.61 dBV/m**	Grid 9 **M2** **39.54 dBV/m**



0 dB = 95.81 V/m = 39.63 dBV/m

HAC-RF Emission

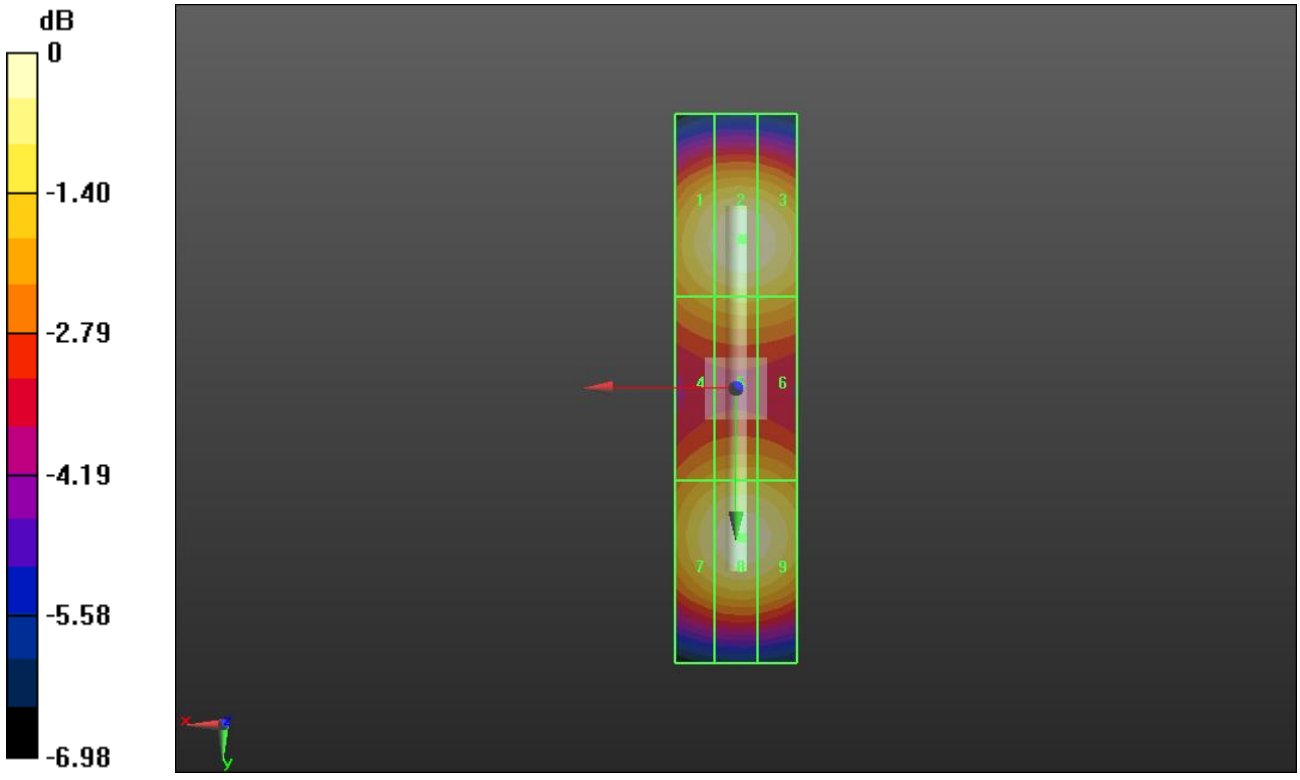
Communication System: UID 0, CW (0); Frequency: 2450 MHz; Duty Cycle: 1:1
Phantom section: RF Section
DASY5 Configuration:
- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 2450 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2);SEMCAD X Version 14.6.12 (7470)

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 = 79.68 V/m; Power Drift = -0.01 dB
Applied MIF = 0.00 dB
RF audio interference level = 39.49 dBV/m
Emission category: M2

MIF scaled E-field

Grid 1 **M2** **39.17 dBV/m**	Grid 2 **M2** **39.49 dBV/m**	Grid 3 **M2** **39.4 dBV/m**
Grid 4 **M2** **38.06 dBV/m**	Grid 5 **M2** **38.29 dBV/m**	Grid 6 **M2** **38.25 dBV/m**
Grid 7 **M2** **39.05 dBV/m**	Grid 8 **M2** **39.37 dBV/m**	Grid 9 **M2** **39.27 dBV/m**



0 dB = 94.32 V/m = 39.49 dBV/m

HAC-RF Emission

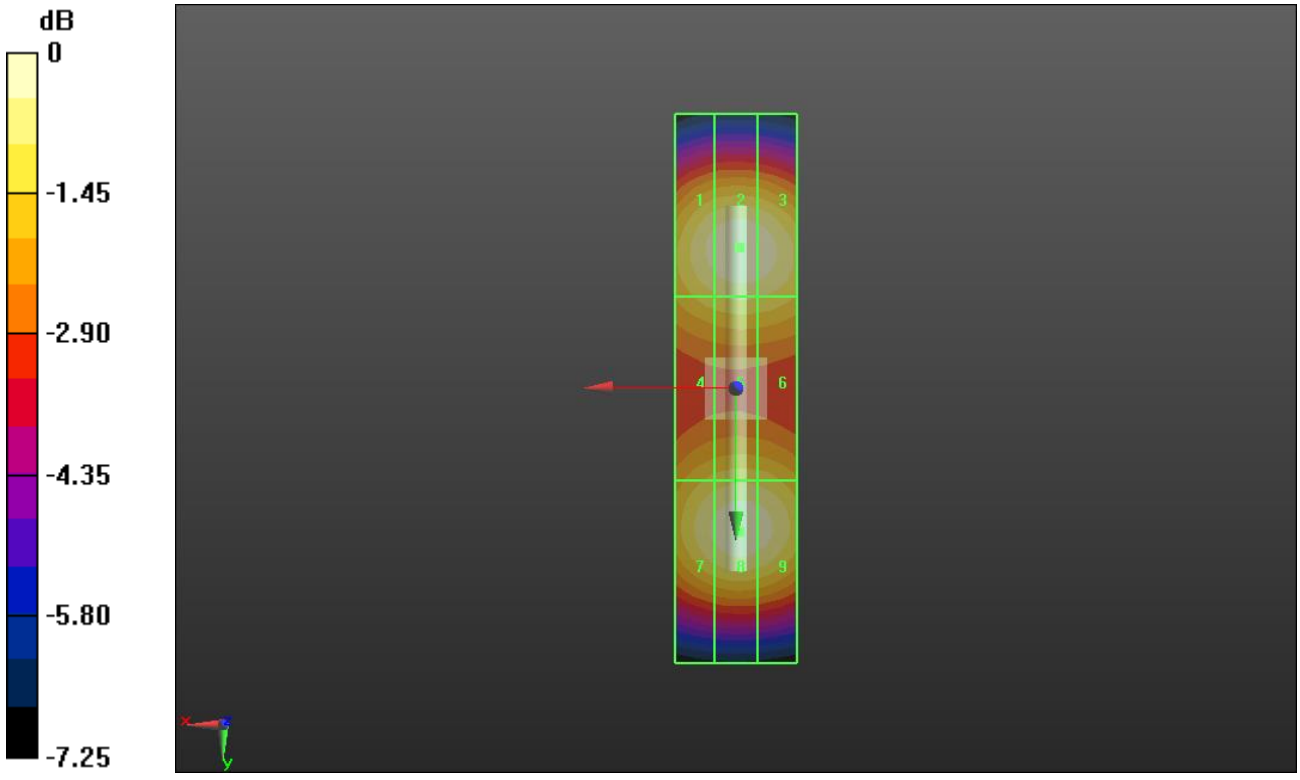
Communication System: UID 0, CW (0); Frequency: 2600 MHz; Duty Cycle: 1:1
Phantom section: RF Section
DASY5 Configuration:
- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 2600 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2);SEMCAD X Version 14.6.12 (7470)

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 = 70.57 V/m; Power Drift = 0.02 dB
Applied MIF = 0.00 dB
RF audio interference level = 39.53 dBV/m
Emission category: M2

MIF scaled E-field

Grid 1 **M2** **39.25 dBV/m**	Grid 2 **M2** **39.53 dBV/m**	Grid 3 **M2** **39.42 dBV/m**
Grid 4 **M2** **38.46 dBV/m**	Grid 5 **M2** **38.67 dBV/m**	Grid 6 **M2** **38.61 dBV/m**
Grid 7 **M2** **39.14 dBV/m**	Grid 8 **M2** **39.44 dBV/m**	Grid 9 **M2** **39.32 dBV/m**



0 dB = 94.71 V/m = 39.53 dBV/m

HAC-RF Emission

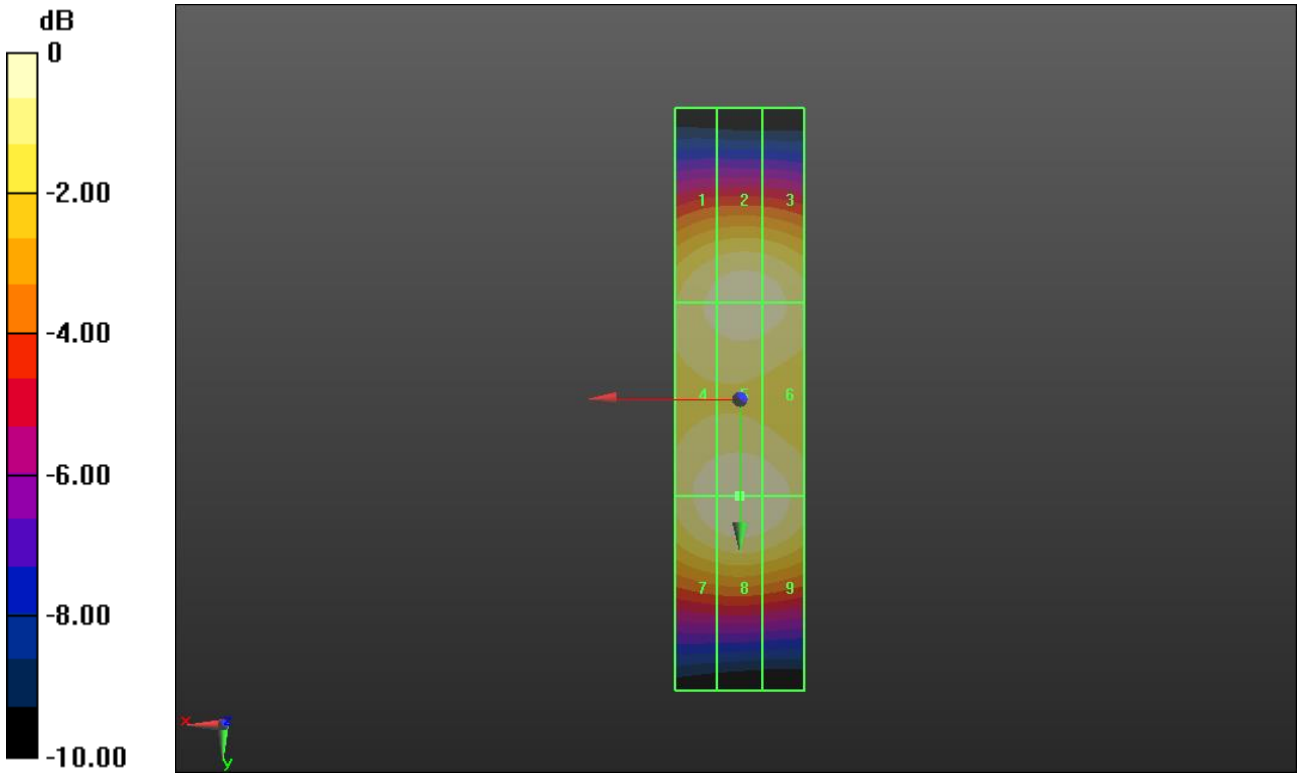
Communication System: UID 0, CW (0); Frequency: 3500 MHz; Duty Cycle: 1:1
Phantom section: RF Section
DASY5 Configuration:
- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 3500 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2);SEMCAD X Version 14.6.12 (7470)

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 = 31.39 V/m; Power Drift = 0.03 dB
Applied MIF = 0.00 dB
RF audio interference level = 37.65 dBV/m
Emission category: M2

MIF scaled E-field

Grid 1 **M2** **37.19 dBV/m**	Grid 2 **M2** **37.39 dBV/m**	Grid 3 **M2** **37.31 dBV/m**
Grid 4 **M2** **37.46 dBV/m**	Grid 5 **M2** **37.65 dBV/m**	Grid 6 **M2** **37.51 dBV/m**
Grid 7 **M2** **37.46 dBV/m**	Grid 8 **M2** **37.65 dBV/m**	Grid 9 **M2** **37.51 dBV/m**



0 dB = 76.29 V/m = 37.65 dBV/m

HAC-RF Emission

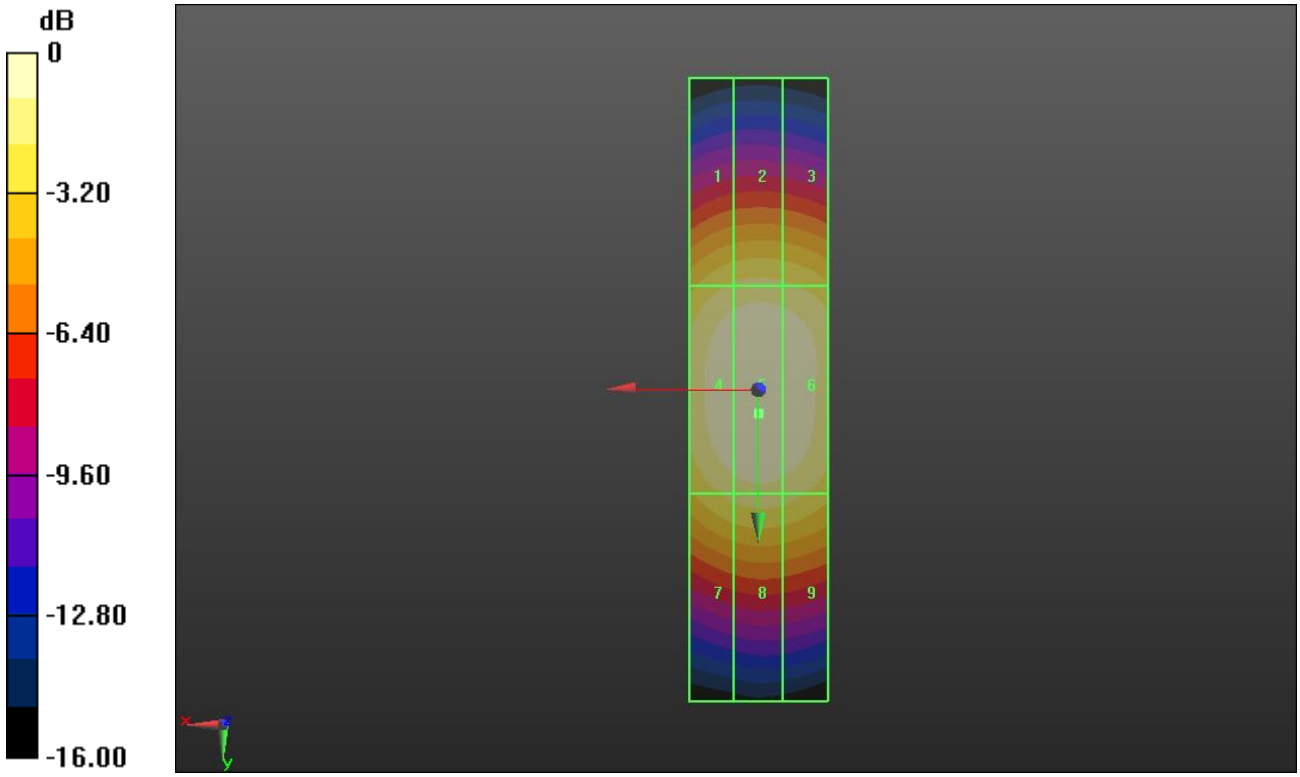
Communication System: UID 0, CW (0); Frequency: 5500 MHz; Duty Cycle: 1:1
Phantom section: RF Section
DASY5 Configuration:
- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 5500 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2);SEMCAD X Version 14.6.12 (7470)

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 = 26.74 V/m; Power Drift = -0.00 dB
Applied MIF = 0.00 dB
RF audio interference level = 40.58 dBV/m
Emission category: M1

MIF scaled E-field

Grid 1 **M2** **38.64 dBV/m**	Grid 2 **M2** **38.85 dBV/m**	Grid 3 **M2** **38.71 dBV/m**
Grid 4 **M1** **40.37 dBV/m**	Grid 5 **M1** **40.58 dBV/m**	Grid 6 **M1** **40.35 dBV/m**
Grid 7 **M2** **38.84 dBV/m**	Grid 8 **M2** **39.14 dBV/m**	Grid 9 **M2** **38.95 dBV/m**



0 dB = 106.9 V/m = 40.58 dBV/m

HAC-RF Emission ANT1

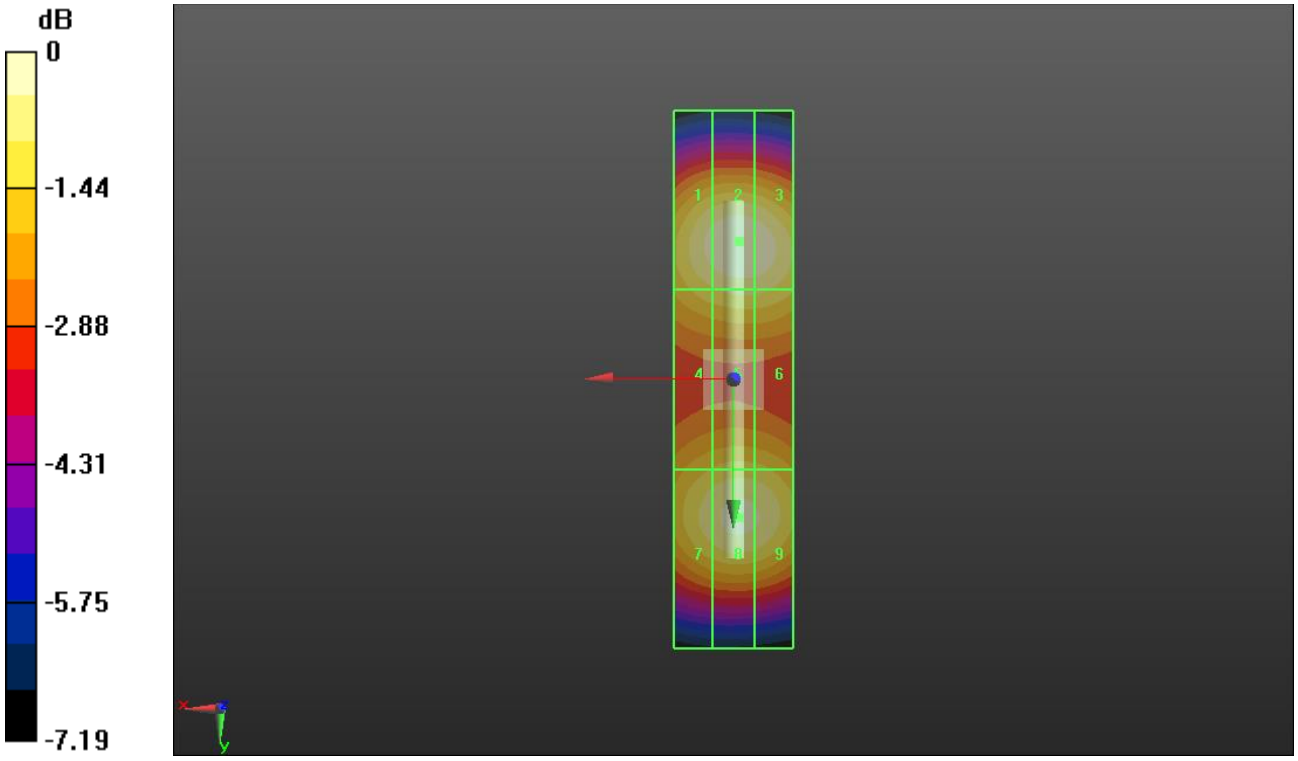
Frequency: 2600 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: $\sigma = 0$ S/m, $\varepsilon_r = 1$; $\rho = 0$ kg/m^3
DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 2600 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB; Serial: 1155

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 = 69.68 V/m; Power Drift = -0.03 dB
Applied MIF = 0.00 dB
RF audio interference level = 39.44 dBV/m
Emission category: M2

MIF scaled E-field

Grid 1 **M2** **39.16 dBV/m**	Grid 2 **M2** **39.44 dBV/m**	Grid 3 **M2** **39.36 dBV/m**
Grid 4 **M2** **38.41 dBV/m**	Grid 5 **M2** **38.64 dBV/m**	Grid 6 **M2** **38.63 dBV/m**
Grid 7 **M2** **38.83 dBV/m**	Grid 8 **M2** **39.12 dBV/m**	Grid 9 **M2** **39.04 dBV/m**



0 dB = 93.79 V/m = 39.44 dBV/m