# HAC-RF Emission

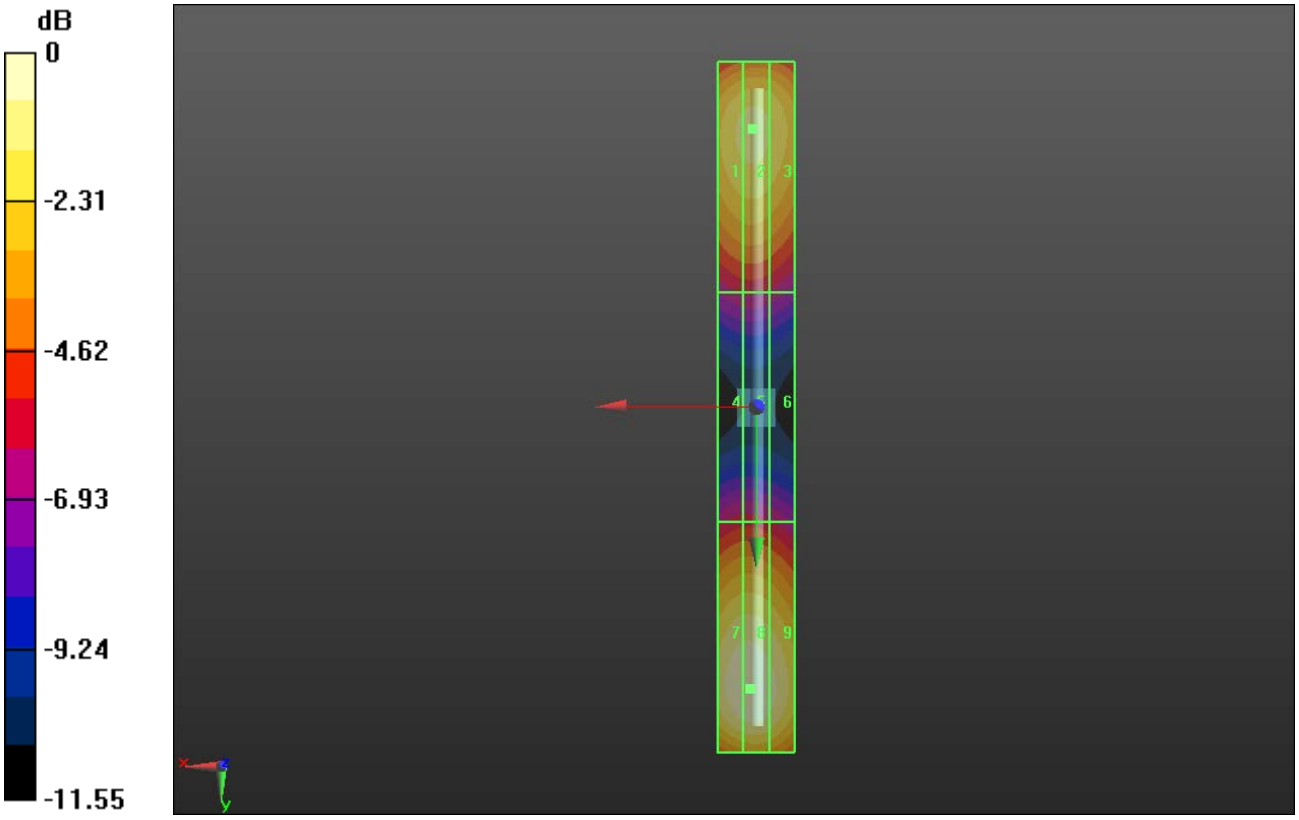
Communication System: UID 0, CW; Frequency: 835 MHz; Duty Cycle: 1:1
Phantom section: TCoil Section
DASY5 Configuration:
- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 835 MHz; Calibrated: 3/22/2019
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/21/2019
- Phantom: HAC Test Arch 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 = 140.0 V/m; Power Drift = 0.01 dB
Applied MIF = 0.00 dB
RF audio interference level = 42.30 dBV/m
**Emission category: M3**

MIF scaled E-field

| | | |
|---|---|---|
| Grid 1 **M3** **40.97 dBV/m** | Grid 2 **M3** **41.07 dBV/m** | Grid 3 **M3** **40.79 dBV/m** |
| Grid 4 **M4** **36.67 dBV/m** | Grid 5 **M4** **36.68 dBV/m** | Grid 6 **M4** **36.32 dBV/m** |
| Grid 7 **M3** **42.24 dBV/m** | Grid 8 **M3** **42.3 dBV/m** | Grid 9 **M3** **41.85 dBV/m** |




0 dB = 130.3 V/m = 42.30 dBV/m

# HAC-RF Emission

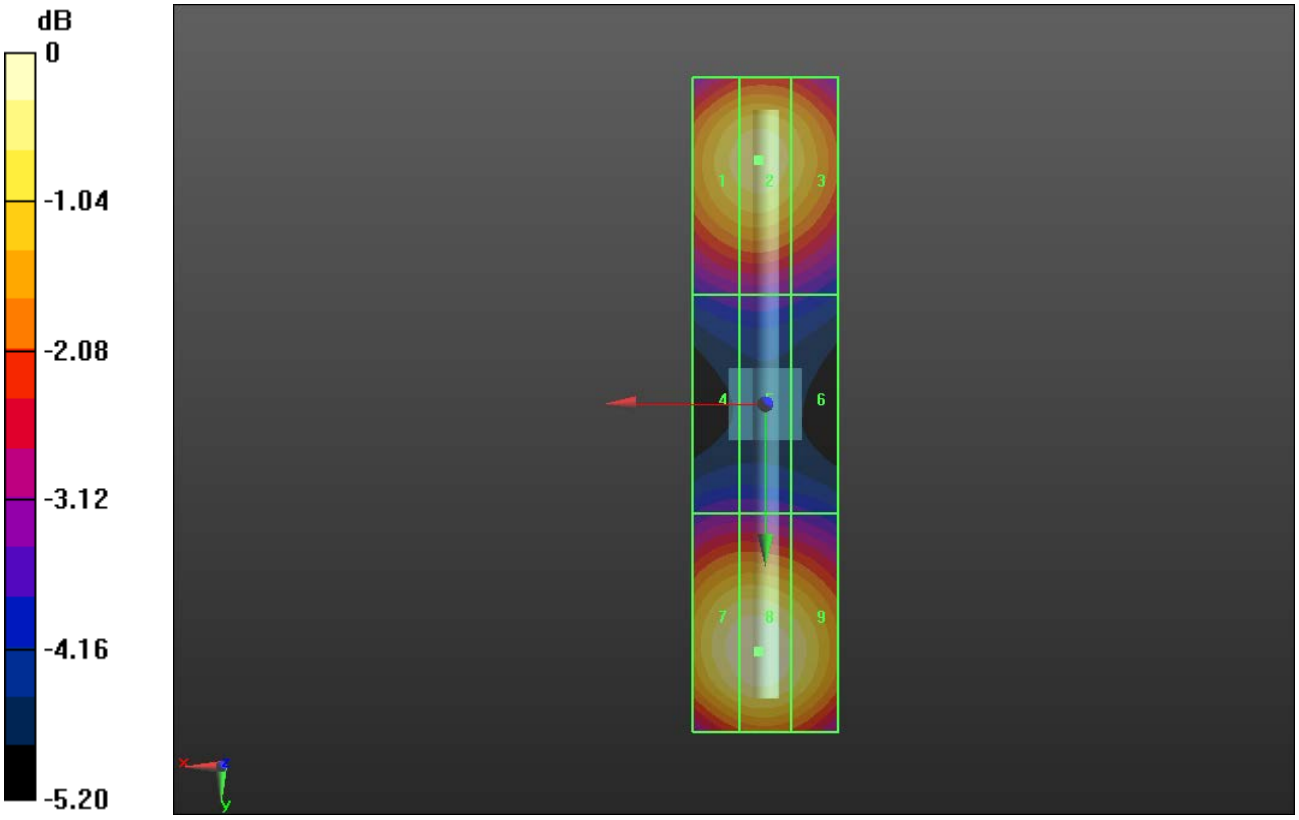
Communication System: UID 0, CW; Frequency: 1880 MHz; Duty Cycle: 1:1
Phantom section: RF Section
DASY5 Configuration:
- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 1880 MHz; Calibrated: 3/22/2019
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/21/2019
- Phantom: HAC Test Arch 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 = 165.8 V/m; Power Drift = 0.03 dB
Applied MIF = 0.00 dB
RF audio interference level = 39.80 dBV/m
**Emission category: M2**

MIF scaled E-field

| | | |
|---|---|---|
| Grid 1 **M2** **39.28 dBV/m** | Grid 2 **M2** **39.38 dBV/m** | Grid 3 **M2** **39.07 dBV/m** |
| Grid 4 **M2** **36.44 dBV/m** | Grid 5 **M2** **36.44 dBV/m** | Grid 6 **M2** **36.24 dBV/m** |
| Grid 7 **M2** **39.71 dBV/m** | Grid 8 **M2** **39.8 dBV/m** | Grid 9 **M2** **39.48 dBV/m** |




0 dB = 97.76 V/m = 39.80 dBV/m

# HAC-RF Emission

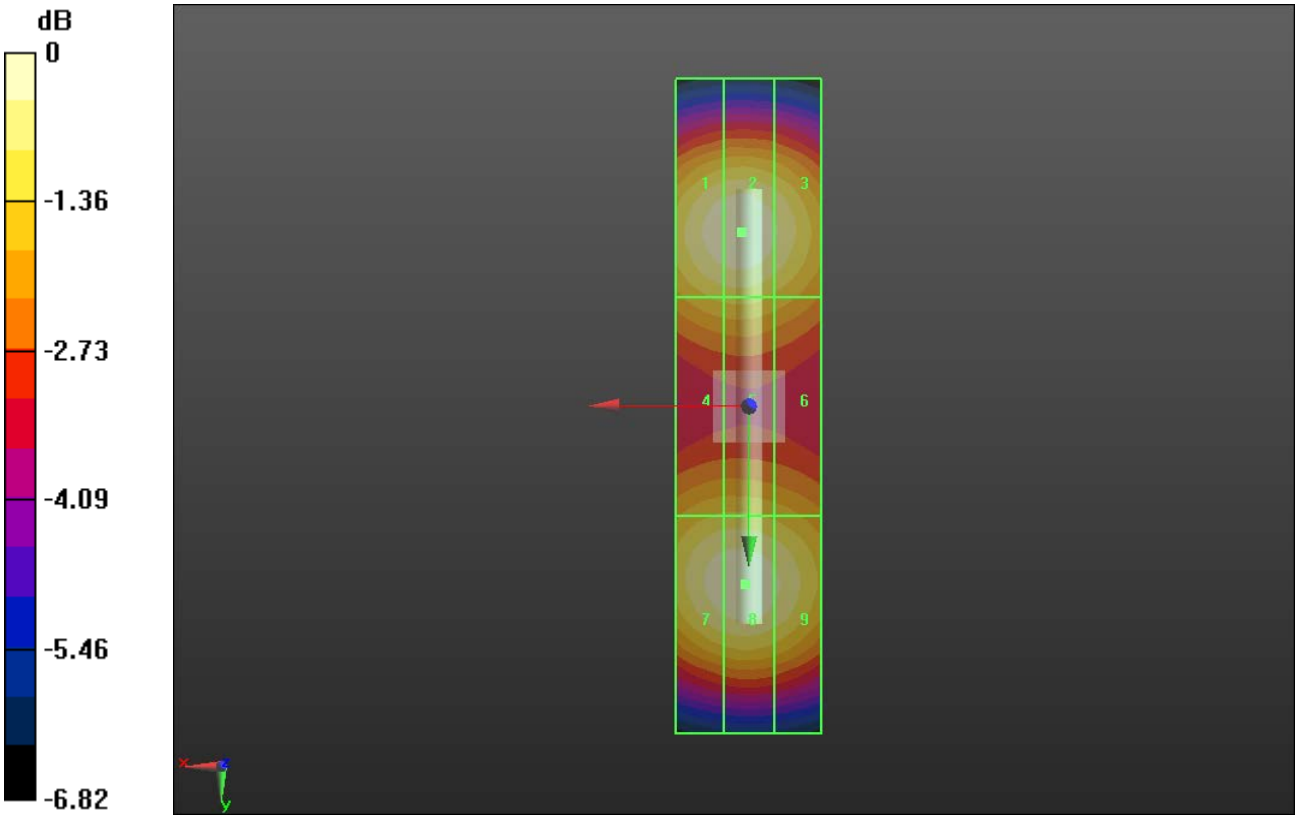
Communication System: UID 0, CW (0); Frequency: 2450 MHz; Duty Cycle: 1:1
Phantom section: RF Section
DASY5 Configuration:
- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 2450 MHz; Calibrated: 3/22/2019
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/21/2019
- Phantom: HAC Test Arch 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 = 79.42 V/m; Power Drift = 0.00 dB
Applied MIF = 0.00 dB
RF audio interference level = 39.12 dBV/m
**Emission category: M2**

MIF scaled E-field

| | | |
|---|---|---|
| Grid 1 **M2** **39.02 dBV/m** | Grid 2 **M2** **39.12 dBV/m** | Grid 3 **M2** **38.73 dBV/m** |
| Grid 4 **M2** **37.9 dBV/m** | Grid 5 **M2** **37.96 dBV/m** | Grid 6 **M2** **37.66 dBV/m** |
| Grid 7 **M2** **38.96 dBV/m** | Grid 8 **M2** **39.06 dBV/m** | Grid 9 **M2** **38.76 dBV/m** |




0 dB = 90.34 V/m = 39.12 dBV/m

## HAC-RF Emission

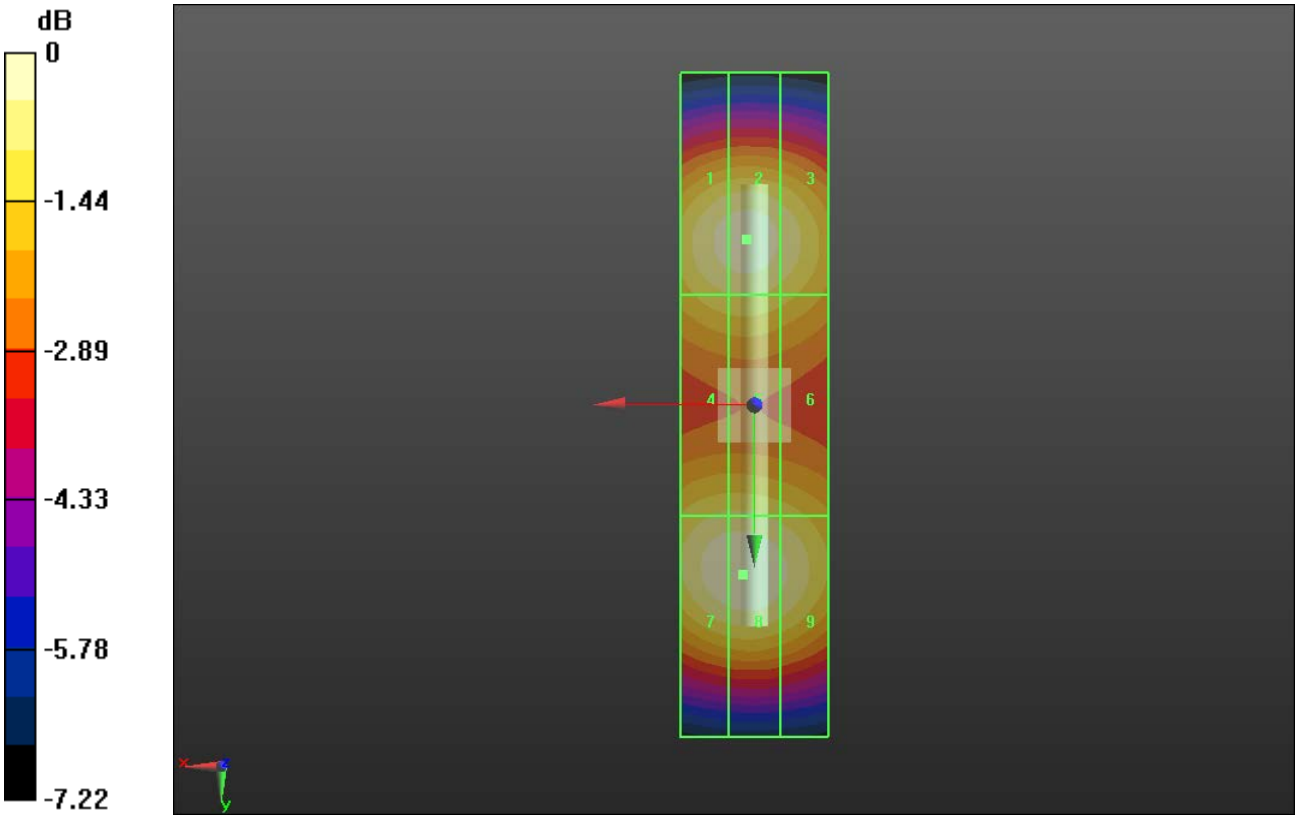
Communication System: UID 0, CW (0); Frequency: 2600 MHz; Duty Cycle: 1:1
Phantom section: RF Section
DASY5 Configuration:
- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 2600 MHz; Calibrated: 3/22/2019
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/21/2019
- Phantom: HAC Test Arch 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 = 70.06 V/m; Power Drift = 0.01 dB
Applied MIF = 0.00 dB
RF audio interference level = 39.36 dBV/m
**Emission category: M2**

MIF scaled E-field

| | | |
|---|---|---|
| Grid 1 **M2** **39.09 dBV/m** | Grid 2 **M2** **39.19 dBV/m** | Grid 3 **M2** **38.84 dBV/m** |
| Grid 4 **M2** **38.53 dBV/m** | Grid 5 **M2** **38.54 dBV/m** | Grid 6 **M2** **38.27 dBV/m** |
| Grid 7 **M2** **39.3 dBV/m** | Grid 8 **M2** **39.36 dBV/m** | Grid 9 **M2** **39.02 dBV/m** |




0 dB = 92.86 V/m = 39.36 dBV/m