

## 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

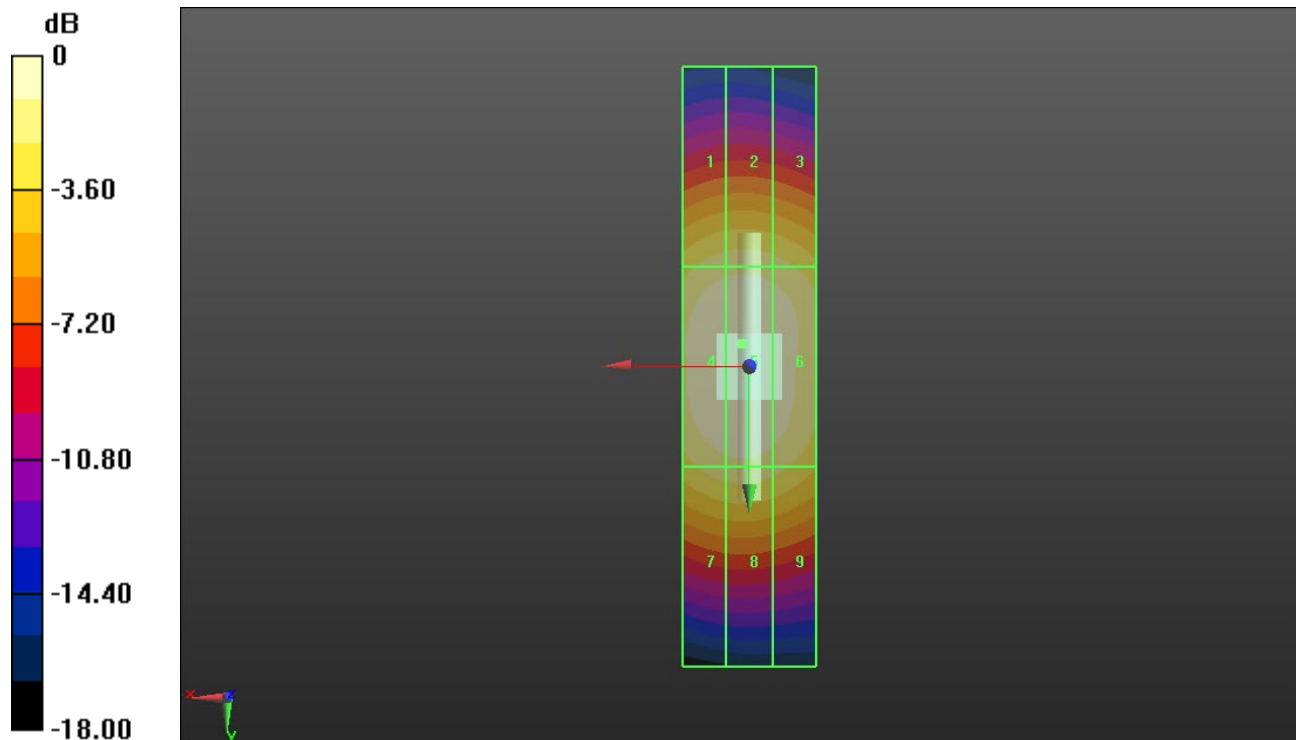
Applied MIF = 0.00 dB

RF audio interference level = 40.67 dBV/m

**Emission category: M1**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M2</b><br><b>39.04 dBV/m</b> | Grid 2 <b>M2</b><br><b>39.16 dBV/m</b> | Grid 3 <b>M2</b><br><b>38.87 dBV/m</b> |
| Grid 4 <b>M1</b><br><b>40.59 dBV/m</b> | Grid 5 <b>M1</b><br><b>40.67 dBV/m</b> | Grid 6 <b>M1</b><br><b>40.27 dBV/m</b> |
| Grid 7 <b>M2</b><br><b>39.01 dBV/m</b> | Grid 8 <b>M2</b><br><b>39.14 dBV/m</b> | Grid 9 <b>M2</b><br><b>38.75 dBV/m</b> |



0 dB = 108.0 V/m = 40.67 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 = 158.8 V/m; Power Drift = 0.01 dB

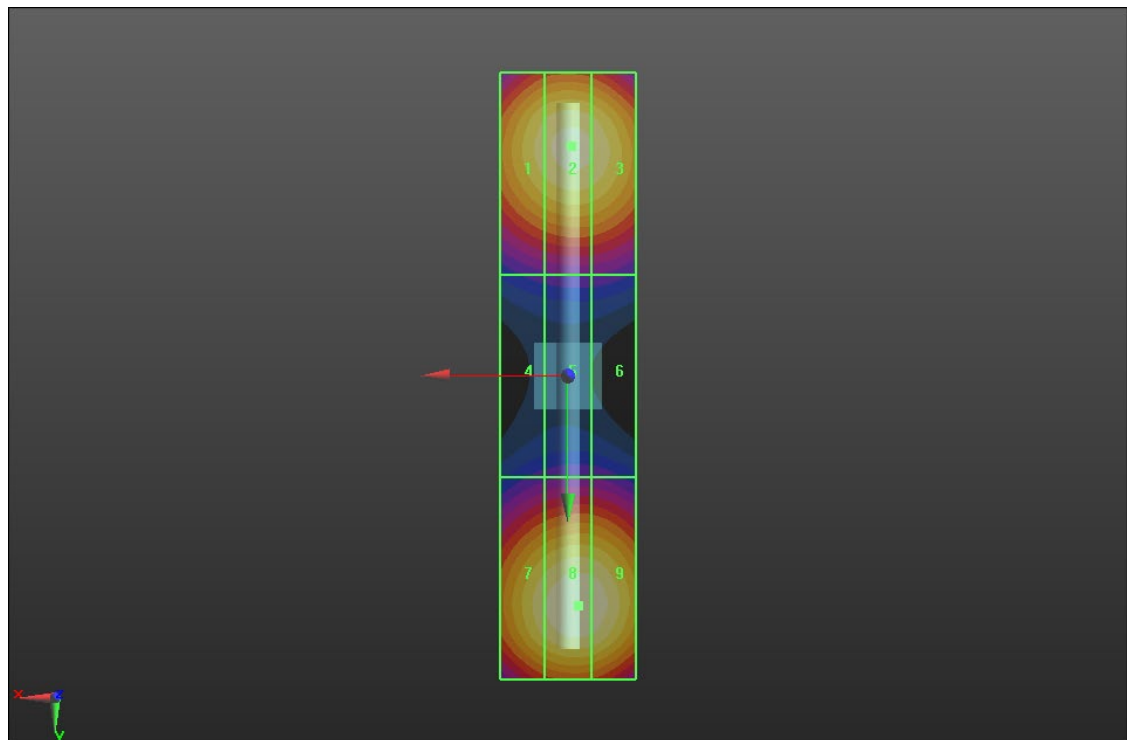
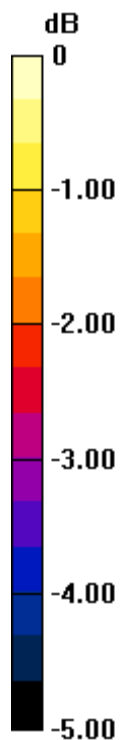
Applied MIF = 0.00 dB

RF audio interference level = 39.57 dBV/m

**Emission category: M2**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M2</b><br><b>39.14 dBV/m</b> | Grid 2 <b>M2</b><br><b>39.4 dBV/m</b>  | Grid 3 <b>M2</b><br><b>39.27 dBV/m</b> |
| Grid 4 <b>M2</b><br><b>36.16 dBV/m</b> | Grid 5 <b>M2</b><br><b>36.31 dBV/m</b> | Grid 6 <b>M2</b><br><b>36.29 dBV/m</b> |
| Grid 7 <b>M2</b><br><b>39.22 dBV/m</b> | Grid 8 <b>M2</b><br><b>39.57 dBV/m</b> | Grid 9 <b>M2</b><br><b>39.52 dBV/m</b> |



0 dB = 95.21 V/m = 39.57 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 = 132.3 V/m; Power Drift = 0.02 dB

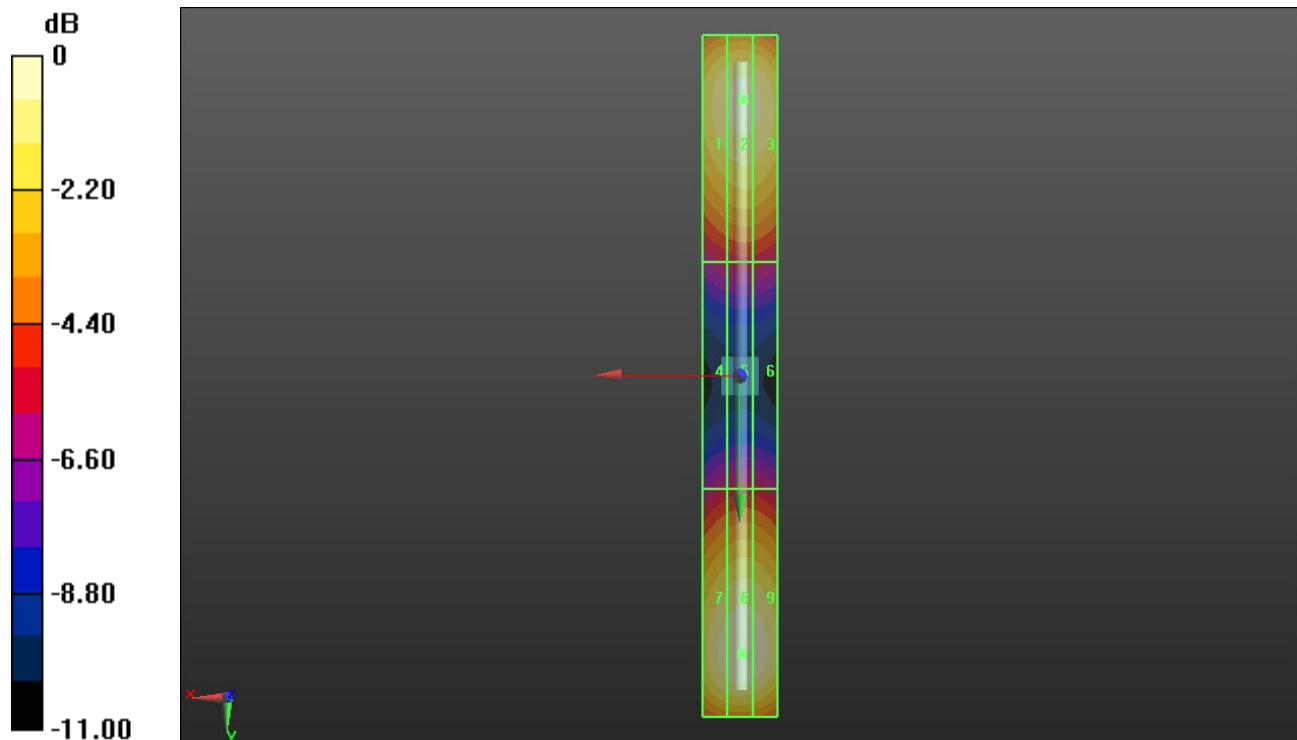
Applied MIF = 0.00 dB

RF audio interference level = 41.60 dBV/m

**Emission category: M3**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M3</b><br><b>40.9 dBV/m</b>  | Grid 2 <b>M3</b><br><b>41.23 dBV/m</b> | Grid 3 <b>M3</b><br><b>41.12 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>35.95 dBV/m</b> | Grid 5 <b>M4</b><br><b>36.21 dBV/m</b> | Grid 6 <b>M4</b><br><b>36.17 dBV/m</b> |
| Grid 7 <b>M3</b><br><b>41.28 dBV/m</b> | Grid 8 <b>M3</b><br><b>41.6 dBV/m</b>  | Grid 9 <b>M3</b><br><b>41.49 dBV/m</b> |



0 dB = 120.3 V/m = 41.61 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 = 82.94 V/m; Power Drift = 0.00 dB

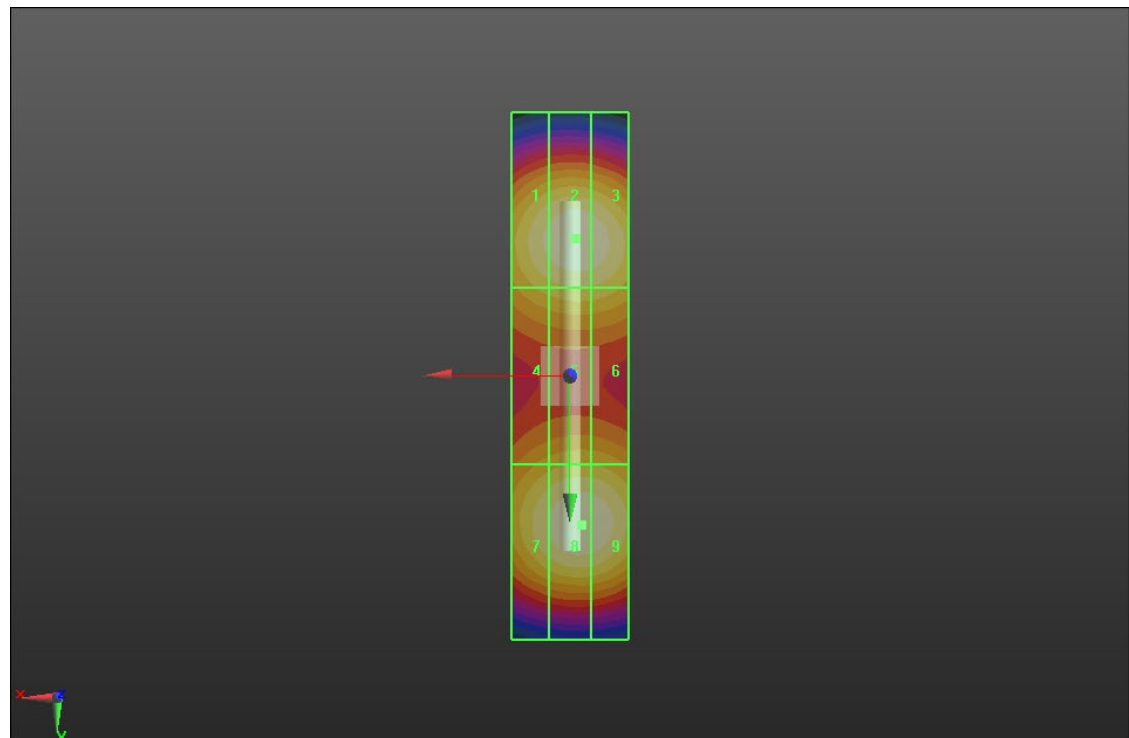
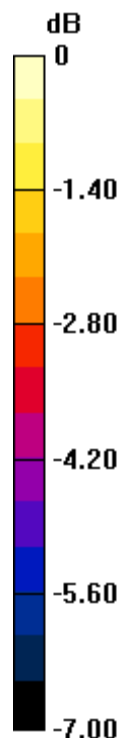
Applied MIF = 0.00 dB

RF audio interference level = 39.18 dBV/m

**Emission category: M2**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M2</b><br><b>38.87 dBV/m</b> | Grid 2 <b>M2</b><br><b>39.18 dBV/m</b> | Grid 3 <b>M2</b><br><b>39.09 dBV/m</b> |
| Grid 4 <b>M2</b><br><b>38.01 dBV/m</b> | Grid 5 <b>M2</b><br><b>38.23 dBV/m</b> | Grid 6 <b>M2</b><br><b>38.2 dBV/m</b>  |
| Grid 7 <b>M2</b><br><b>38.78 dBV/m</b> | Grid 8 <b>M2</b><br><b>39.18 dBV/m</b> | Grid 9 <b>M2</b><br><b>39.15 dBV/m</b> |



0 dB = 91.02 V/m = 39.18 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

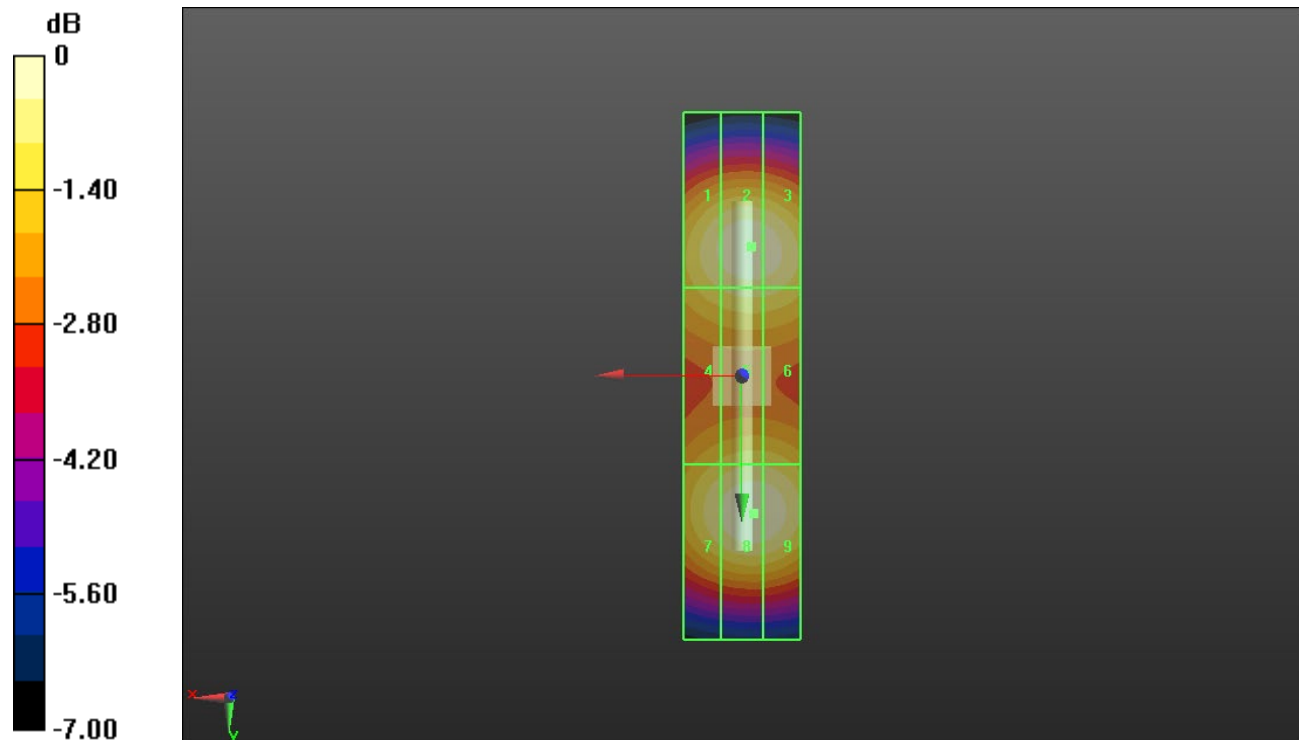
Applied MIF = 0.00 dB

RF audio interference level = 39.20 dBV/m

**Emission category: M2**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M2</b><br><b>38.84 dBV/m</b> | Grid 2 <b>M2</b><br><b>39.15 dBV/m</b> | Grid 3 <b>M2</b><br><b>39.08 dBV/m</b> |
| Grid 4 <b>M2</b><br><b>38.3 dBV/m</b>  | Grid 5 <b>M2</b><br><b>38.53 dBV/m</b> | Grid 6 <b>M2</b><br><b>38.5 dBV/m</b>  |
| Grid 7 <b>M2</b><br><b>38.8 dBV/m</b>  | Grid 8 <b>M2</b><br><b>39.2 dBV/m</b>  | Grid 9 <b>M2</b><br><b>39.16 dBV/m</b> |



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

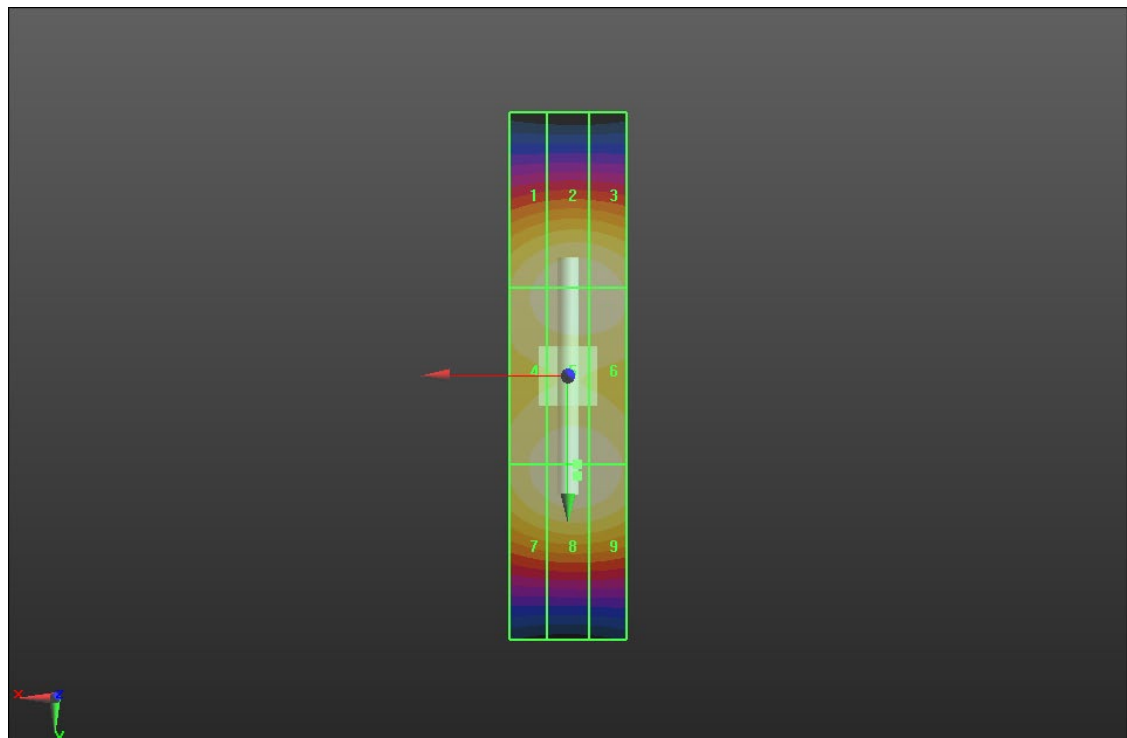
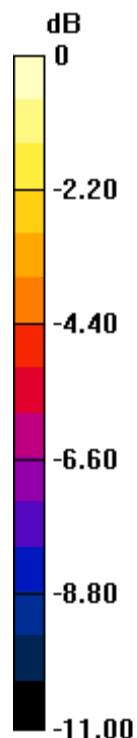
Applied MIF = 0.00 dB

RF audio interference level = 38.89 dBV/m

**Emission category: M2**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M2</b><br><b>38.5 dBV/m</b>  | Grid 2 <b>M2</b><br><b>38.8 dBV/m</b>  | Grid 3 <b>M2</b><br><b>38.77 dBV/m</b> |
| Grid 4 <b>M2</b><br><b>38.57 dBV/m</b> | Grid 5 <b>M2</b><br><b>38.85 dBV/m</b> | Grid 6 <b>M2</b><br><b>38.8 dBV/m</b>  |
| Grid 7 <b>M2</b><br><b>38.58 dBV/m</b> | Grid 8 <b>M2</b><br><b>38.89 dBV/m</b> | Grid 9 <b>M2</b><br><b>38.83 dBV/m</b> |



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