

## HAC-RF Emission System Check 2011

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: 9/22/2022
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1352; Calibrated: 11/18/2022
- 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 = 120.0 V/m; Power Drift = 0.17 dB

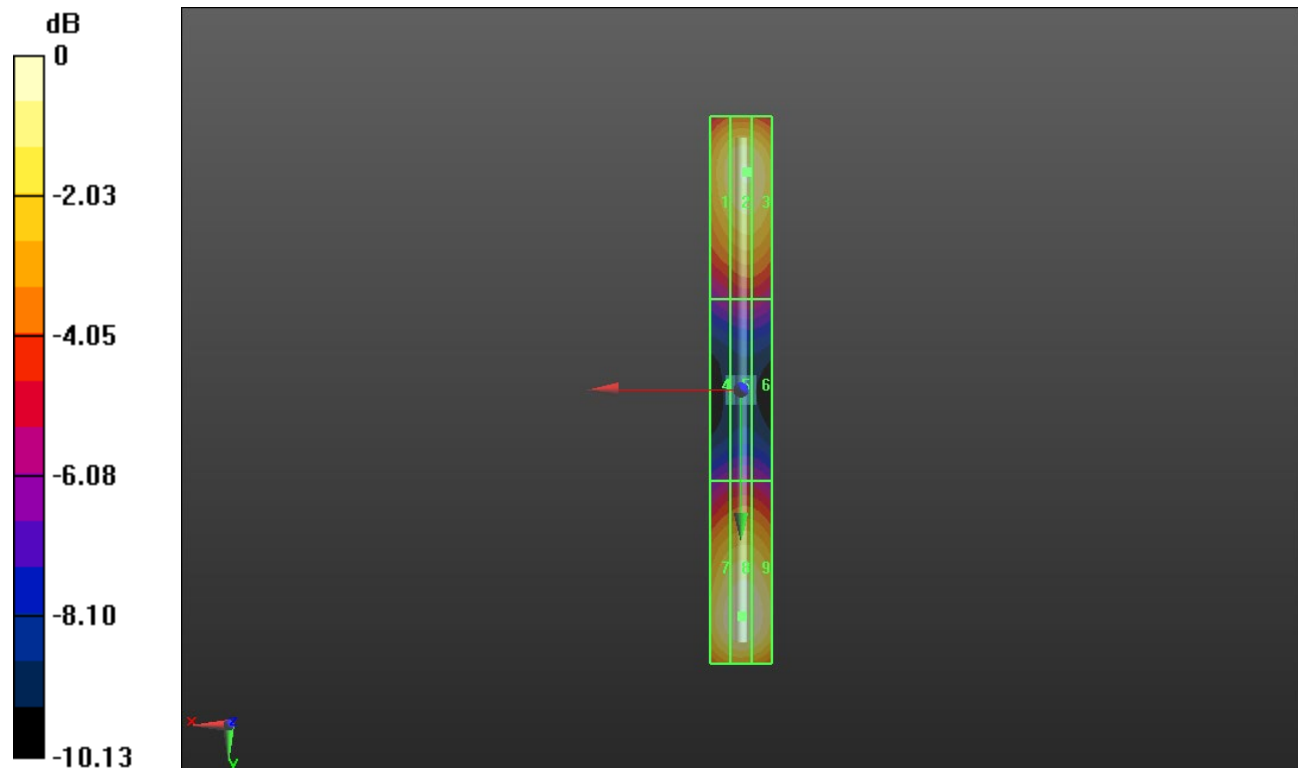
Applied MIF = 0.00 dB

RF audio interference level = 41.44 dBV/m

**Emission category: M3**

MIF scaled E-field

|                                 |                                 |                                 |
|---------------------------------|---------------------------------|---------------------------------|
| Grid 1 <b>M3</b><br>40.48 dBV/m | Grid 2 <b>M3</b><br>40.82 dBV/m | Grid 3 <b>M3</b><br>40.78 dBV/m |
| Grid 4 <b>M4</b><br>35.67 dBV/m | Grid 5 <b>M4</b><br>36.1 dBV/m  | Grid 6 <b>M4</b><br>36.09 dBV/m |
| Grid 7 <b>M3</b><br>41.17 dBV/m | Grid 8 <b>M3</b><br>41.44 dBV/m | Grid 9 <b>M3</b><br>41.34 dBV/m |



0 dB = 118.0 V/m = 41.44 dBV/m

## HAC-RF Emission System Check 2011

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: 9/22/2022
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1352; Calibrated: 11/18/2022
- 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 = 158.5 V/m; Power Drift = 0.02 dB

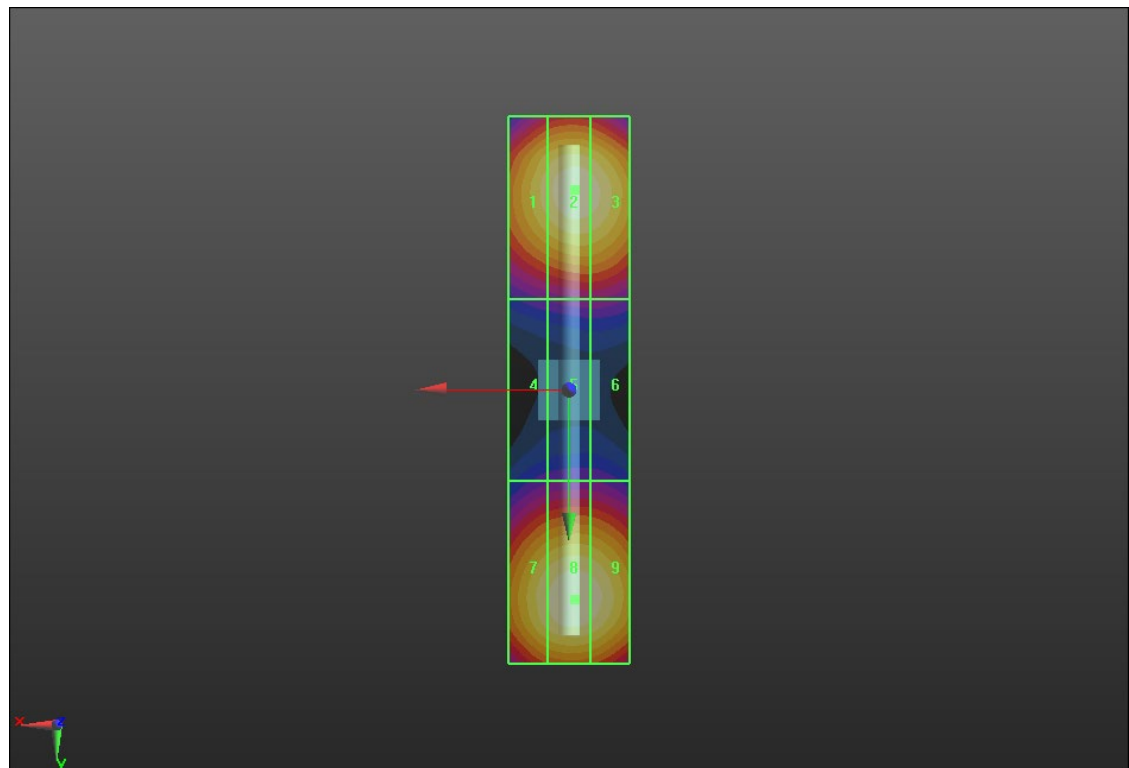
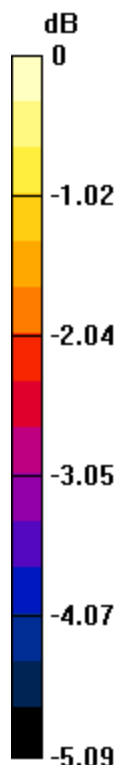
Applied MIF = 0.00 dB

RF audio interference level = 39.23 dBV/m

**Emission category: M2**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M2</b><br><b>38.78 dBV/m</b> | Grid 2 <b>M2</b><br><b>39.18 dBV/m</b> | Grid 3 <b>M2</b><br><b>39.07 dBV/m</b> |
| Grid 4 <b>M2</b><br><b>35.93 dBV/m</b> | Grid 5 <b>M2</b><br><b>36.21 dBV/m</b> | Grid 6 <b>M2</b><br><b>36.21 dBV/m</b> |
| Grid 7 <b>M2</b><br><b>38.9 dBV/m</b>  | Grid 8 <b>M2</b><br><b>39.23 dBV/m</b> | Grid 9 <b>M2</b><br><b>39.13 dBV/m</b> |



0 dB = 91.54 V/m = 39.23 dBV/m

## HAC-RF Emission System Check 2011

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: 9/22/2022
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1352; Calibrated: 11/18/2022
- 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 = 84.60 V/m; Power Drift = 0.15 dB

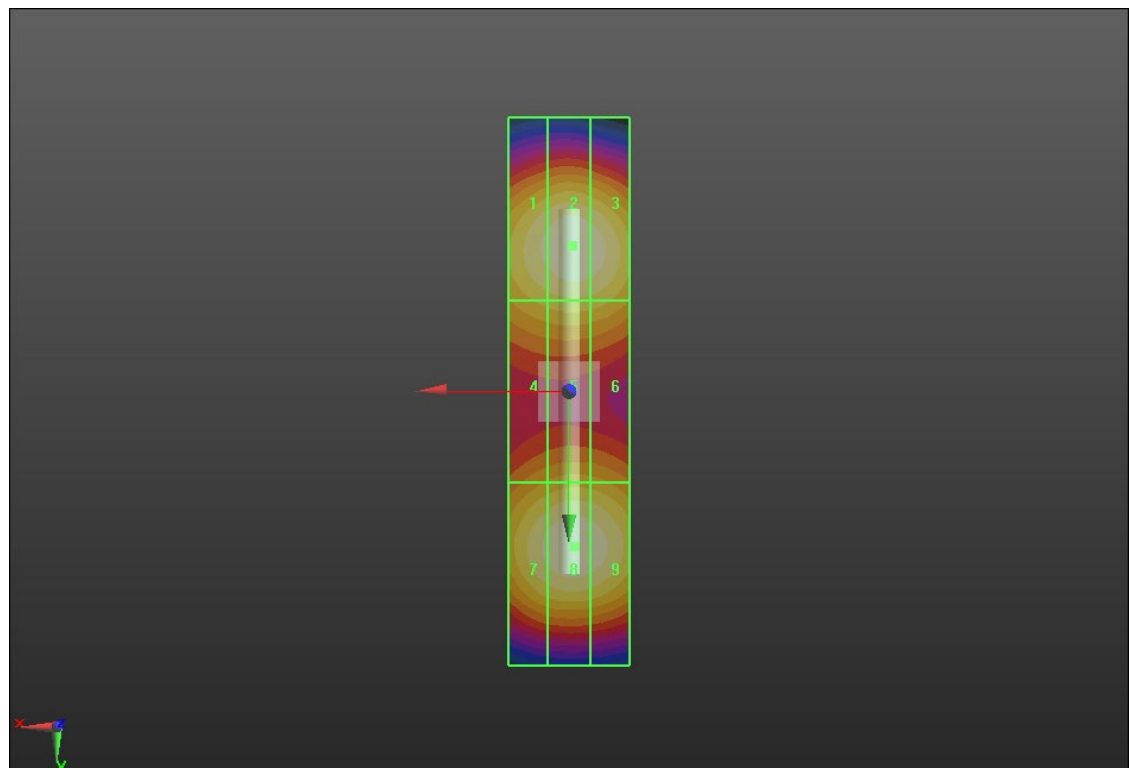
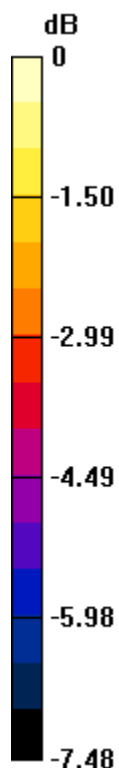
Applied MIF = 0.00 dB

RF audio interference level = 39.34 dBV/m

Emission category: **M2**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M2</b><br><b>39.01 dBV/m</b> | Grid 2 <b>M2</b><br><b>39.34 dBV/m</b> | Grid 3 <b>M2</b><br><b>39.21 dBV/m</b> |
| Grid 4 <b>M2</b><br><b>38.08 dBV/m</b> | Grid 5 <b>M2</b><br><b>38.27 dBV/m</b> | Grid 6 <b>M2</b><br><b>38.21 dBV/m</b> |
| Grid 7 <b>M2</b><br><b>38.98 dBV/m</b> | Grid 8 <b>M2</b><br><b>39.31 dBV/m</b> | Grid 9 <b>M2</b><br><b>39.19 dBV/m</b> |



0 dB = 92.70 V/m = 39.34 dBV/m

## HAC-RF Emission System Check 2011

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: 9/22/2022
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1352; Calibrated: 11/18/2022
- 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 = 69.61 V/m; Power Drift = -0.08 dB

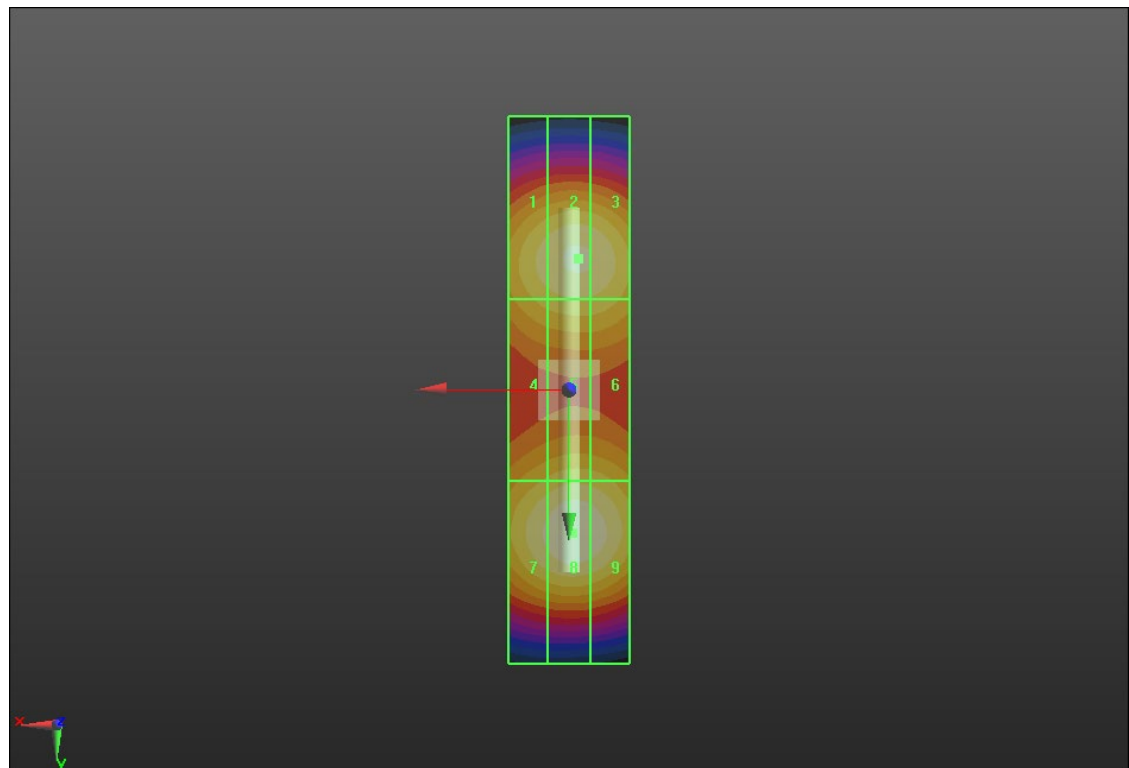
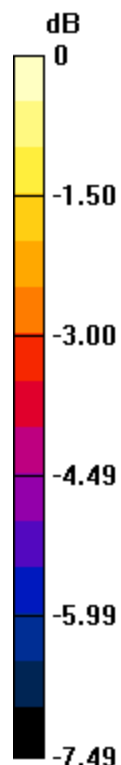
Applied MIF = 0.00 dB

RF audio interference level = 39.16 dBV/m

**Emission category: M2**

MIF scaled E-field

|                                        |                                         |                                        |
|----------------------------------------|-----------------------------------------|----------------------------------------|
| Grid 1 <b>M2</b><br><b>38.44 dBV/m</b> | Grid 2 <b>M2</b><br><b>38.74 dBV/m</b>  | Grid 3 <b>M2</b><br><b>38.69 dBV/m</b> |
| Grid 4 <b>M2</b><br><b>37.93 dBV/m</b> | <b>Grid 5 <b>M2</b><br/>38.16 dBV/m</b> | Grid 6 <b>M2</b><br><b>38.13 dBV/m</b> |
| Grid 7 <b>M2</b><br><b>38.79 dBV/m</b> | Grid 8 <b>M2</b><br><b>39.16 dBV/m</b>  | Grid 9 <b>M2</b><br><b>39.03 dBV/m</b> |



0 dB = 90.81 V/m = 39.16 dBV/m

## HAC-RF Emission System Check 2011

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: 9/22/2022
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1352; Calibrated: 11/18/2022
- 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 = 38.92 V/m; Power Drift = 0.03 dB

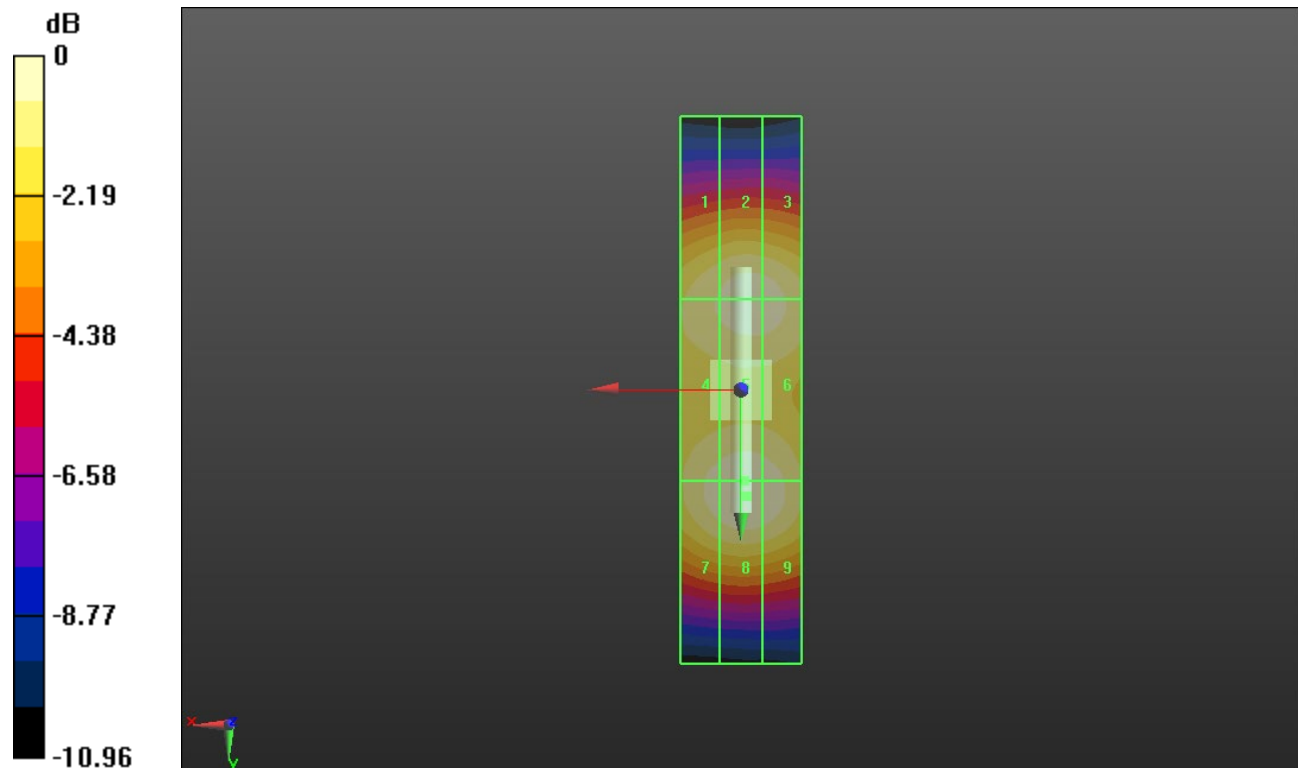
Applied MIF = 0.00 dB

RF audio interference level = 39.18 dBV/m

**Emission category: M2**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M2</b><br><b>38.53 dBV/m</b> | Grid 2 <b>M2</b><br><b>38.88 dBV/m</b> | Grid 3 <b>M2</b><br><b>38.83 dBV/m</b> |
| Grid 4 <b>M2</b><br><b>38.82 dBV/m</b> | Grid 5 <b>M2</b><br><b>39.1 dBV/m</b>  | Grid 6 <b>M2</b><br><b>38.96 dBV/m</b> |
| Grid 7 <b>M2</b><br><b>38.87 dBV/m</b> | Grid 8 <b>M2</b><br><b>39.18 dBV/m</b> | Grid 9 <b>M2</b><br><b>39.05 dBV/m</b> |



0 dB = 91.04 V/m = 39.18 dBV/m

## HAC-RF Emission System Check 2011

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: 9/22/2022
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1352; Calibrated: 11/18/2022
- 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 = 28.91 V/m; Power Drift = 0.09 dB

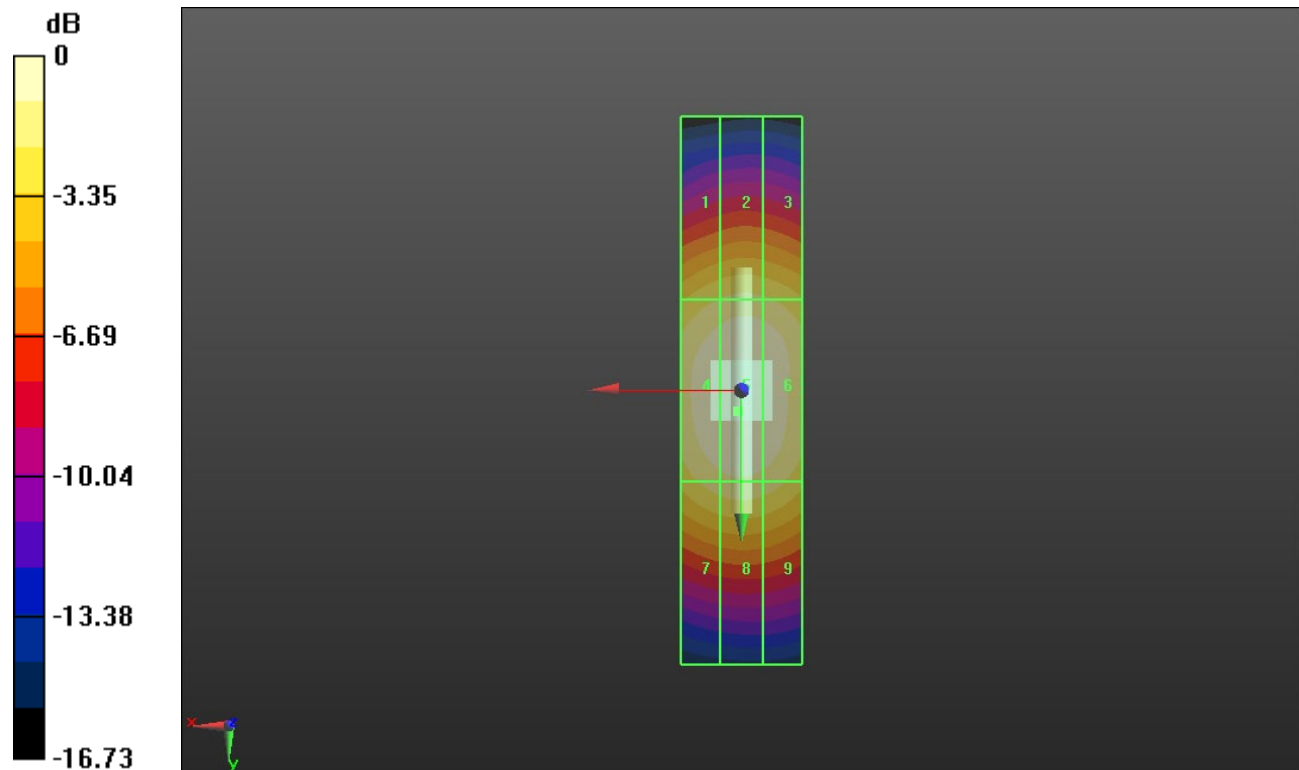
Applied MIF = 0.00 dB

RF audio interference level = 41.01 dBV/m

**Emission category: M1**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M2</b><br><b>38.83 dBV/m</b> | Grid 2 <b>M2</b><br><b>39.13 dBV/m</b> | Grid 3 <b>M2</b><br><b>38.97 dBV/m</b> |
| Grid 4 <b>M1</b><br><b>40.81 dBV/m</b> | Grid 5 <b>M1</b><br><b>41.01 dBV/m</b> | Grid 6 <b>M1</b><br><b>40.75 dBV/m</b> |
| Grid 7 <b>M2</b><br><b>39.46 dBV/m</b> | Grid 8 <b>M2</b><br><b>39.69 dBV/m</b> | Grid 9 <b>M2</b><br><b>39.46 dBV/m</b> |



0 dB = 112.3 V/m = 41.01 dBV/m