

## HAC-RF Emission ANT1

Communication System: UID 10021 - DAC, GSM-FDD (TDMA, GMSK); Frequency: 836.6 MHz; Duty Cycle: 1:8.6896

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1) @ 836.6 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)

## GSM850 E-Field measurement/Voice\_ch 190/Hearing Aid Compatibility Test

**(101x101x1):** Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 46.00 V/m; Power Drift = -0.01 dB

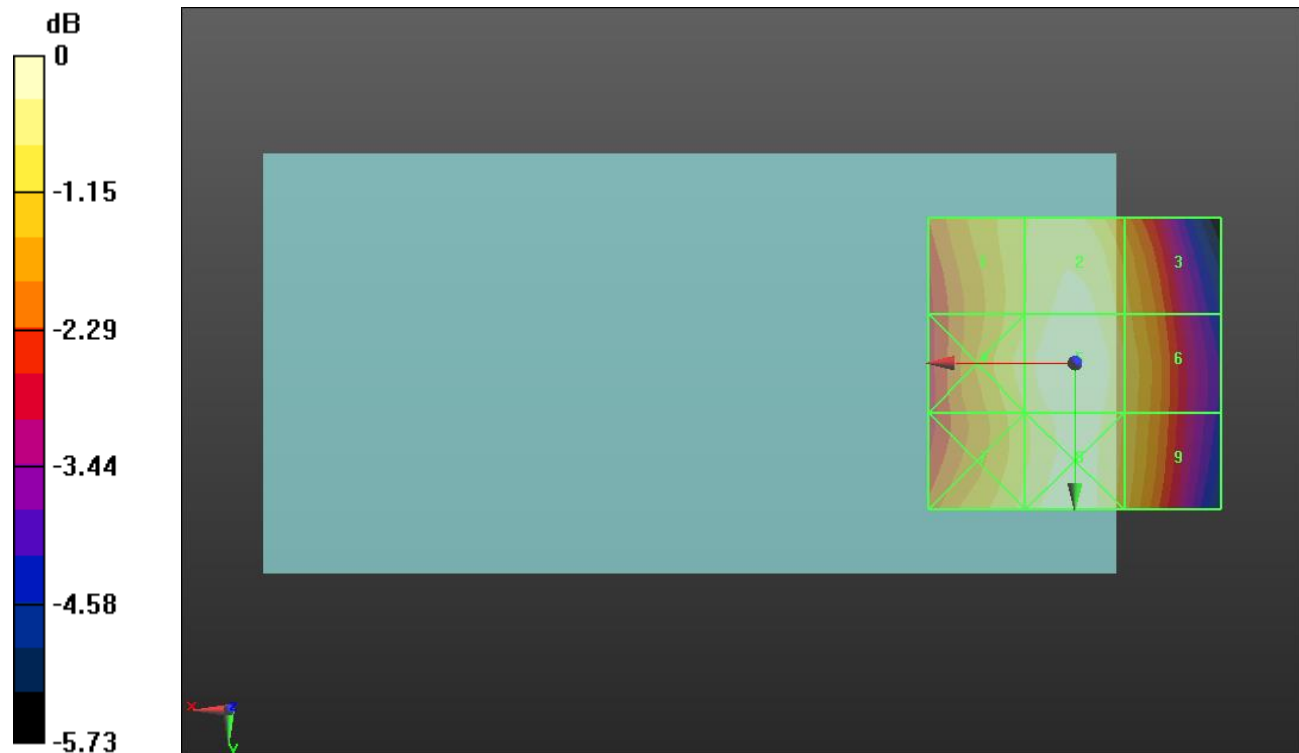
Applied MIF = 3.63 dB

RF audio interference level = 34.29 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>33.53 dBV/m</b> | Grid 2 <b>M4</b><br><b>34.07 dBV/m</b> | Grid 3 <b>M4</b><br><b>33.34 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>33.75 dBV/m</b> | Grid 5 <b>M4</b><br><b>34.29 dBV/m</b> | Grid 6 <b>M4</b><br><b>33.58 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>33.68 dBV/m</b> | Grid 8 <b>M4</b><br><b>34.1 dBV/m</b>  | Grid 9 <b>M4</b><br><b>33.51 dBV/m</b> |



0 dB = 51.84 V/m = 34.29 dBV/m

## HAC-RF Emission ANT1

Communication System: UID 10021 - DAC, GSM-FDD (TDMA, GMSK); Frequency: 824.2 MHz; Duty Cycle: 1:8.6896

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1) @ 824.2 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)

## GSM850 E-Field measurement/Voice\_ch 128/Hearing Aid Compatibility Test

**(101x101x1):** Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 44.14 V/m; Power Drift = 0.00 dB

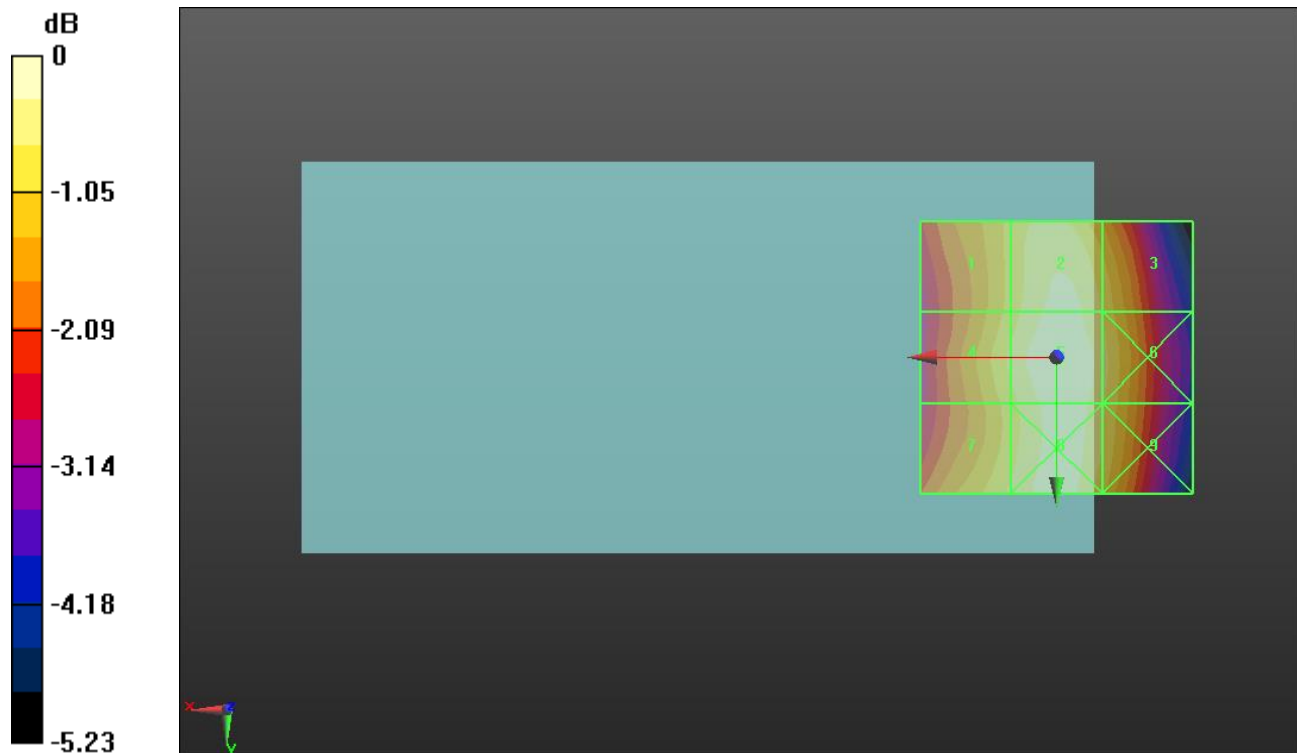
Applied MIF = 3.63 dB

RF audio interference level = 33.89 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>33 dBV/m</b>    | Grid 2 <b>M4</b><br><b>33.65 dBV/m</b> | Grid 3 <b>M4</b><br><b>33.16 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>33.27 dBV/m</b> | Grid 5 <b>M4</b><br><b>33.89 dBV/m</b> | Grid 6 <b>M4</b><br><b>33.34 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>33.27 dBV/m</b> | Grid 8 <b>M4</b><br><b>33.73 dBV/m</b> | Grid 9 <b>M4</b><br><b>33.26 dBV/m</b> |



0 dB = 49.48 V/m = 33.89 dBV/m

## HAC-RF Emission ANT1

Communication System: UID 10021 - DAC, GSM-FDD (TDMA, GMSK); Frequency: 848.6 MHz; Duty Cycle: 1:8.6896

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1) @ 848.6 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)

## GSM850 E-Field measurement/Voice\_ch 251/Hearing Aid Compatibility Test

**(101x101x1):** Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 44.04 V/m; Power Drift = -0.07 dB

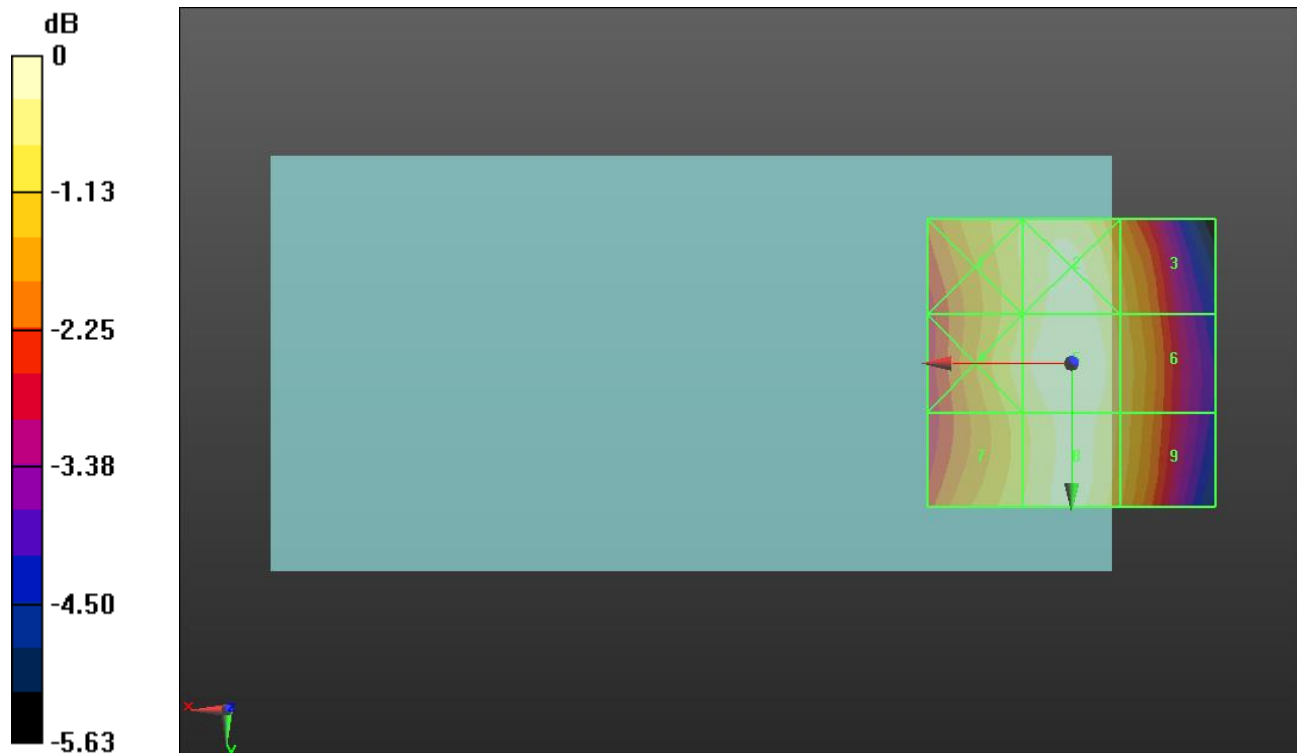
Applied MIF = 3.63 dB

RF audio interference level = 33.86 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>33.18 dBV/m</b> | Grid 2 <b>M4</b><br><b>33.67 dBV/m</b> | Grid 3 <b>M4</b><br><b>32.97 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>33.35 dBV/m</b> | Grid 5 <b>M4</b><br><b>33.86 dBV/m</b> | Grid 6 <b>M4</b><br><b>33.15 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>33.13 dBV/m</b> | Grid 8 <b>M4</b><br><b>33.64 dBV/m</b> | Grid 9 <b>M4</b><br><b>33.05 dBV/m</b> |



0 dB = 49.32 V/m = 33.86 dBV/m

## HAC-RF Emission ANT1

Communication System: UID 10021 - DAC, GSM-FDD (TDMA, GMSK); Frequency: 1880 MHz; Duty Cycle: 1:8.6896

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)

## GSM1900 E-Field measurement/Voice\_ch 661/Hearing Aid Compatibility Test

**(101x101x1):** Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 19.75 V/m; Power Drift = -0.05 dB

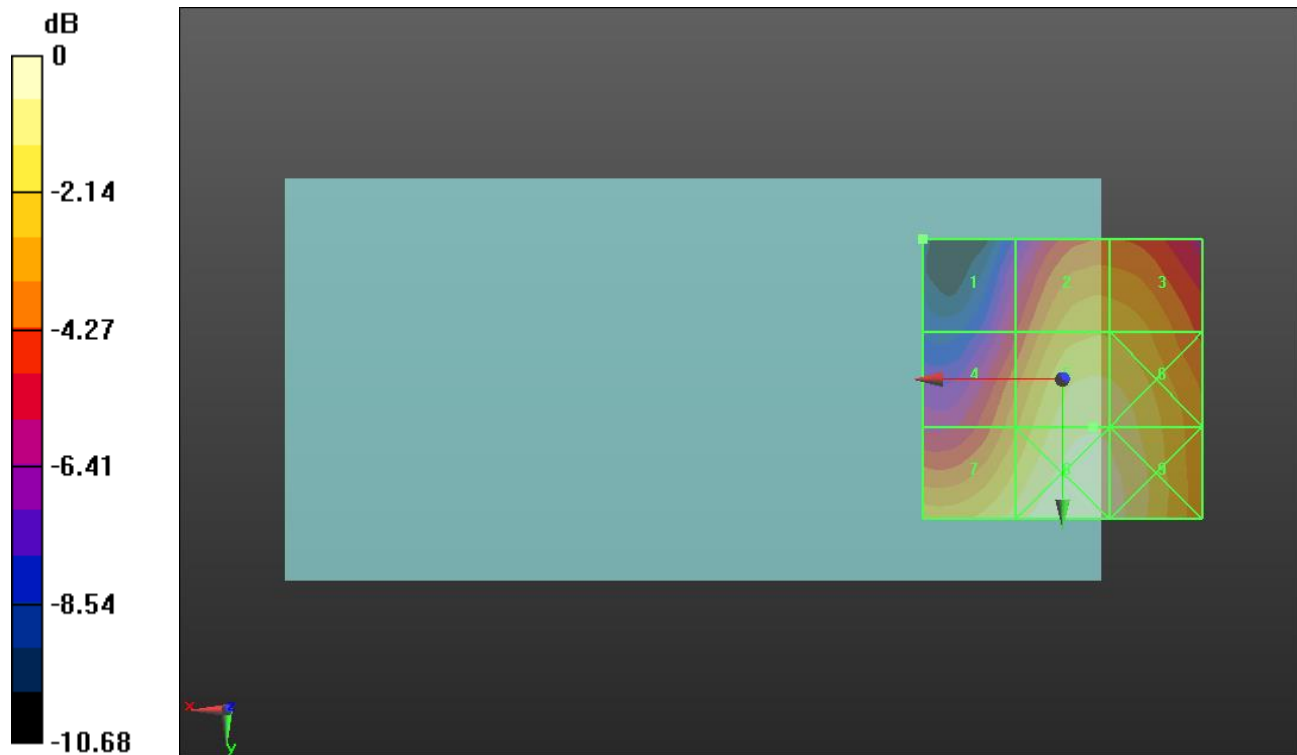
Applied MIF = 3.63 dB

RF audio interference level = 28.09 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>23.78 dBV/m</b> | Grid 2 <b>M4</b><br><b>26.67 dBV/m</b> | Grid 3 <b>M4</b><br><b>26.64 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>25.87 dBV/m</b> | Grid 5 <b>M4</b><br><b>28.09 dBV/m</b> | Grid 6 <b>M4</b><br><b>27.99 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>27.77 dBV/m</b> | Grid 8 <b>M4</b><br><b>28.86 dBV/m</b> | Grid 9 <b>M4</b><br><b>28.51 dBV/m</b> |



0 dB = 27.74 V/m = 28.86 dBV/m

## HAC-RF Emission ANT1

Communication System: UID 10021 - DAC, GSM-FDD (TDMA, GMSK); Frequency: 1850.2 MHz; Duty Cycle: 1:8.6896

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1) @ 1850.2 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)

## GSM1900 E-Field measurement/Voice\_ch 512/Hearing Aid Compatibility Test

**(101x101x1):** Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 18.14 V/m; Power Drift = -0.04 dB

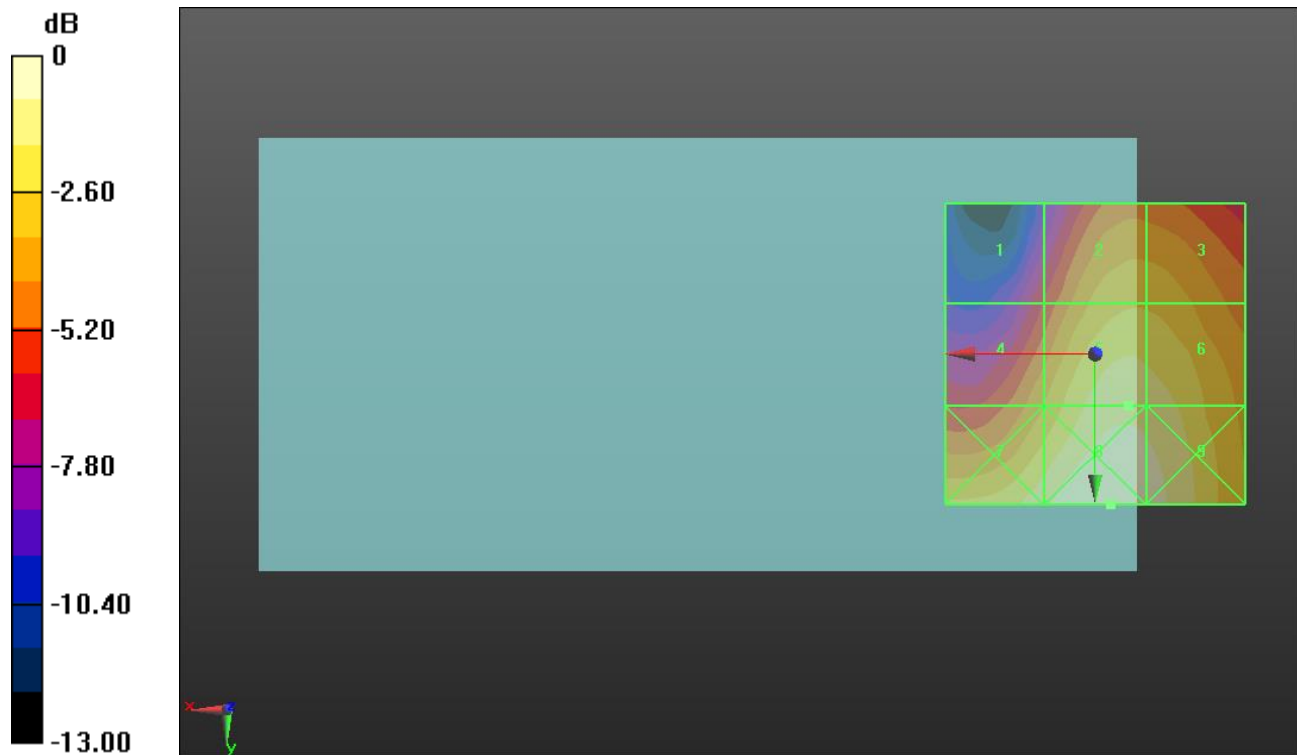
Applied MIF = 3.63 dB

RF audio interference level = 27.53 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>22.71 dBV/m</b> | Grid 2 <b>M4</b><br><b>25.97 dBV/m</b> | Grid 3 <b>M4</b><br><b>25.93 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>25.2 dBV/m</b>  | Grid 5 <b>M4</b><br><b>27.53 dBV/m</b> | Grid 6 <b>M4</b><br><b>27.42 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>27.58 dBV/m</b> | Grid 8 <b>M4</b><br><b>28.64 dBV/m</b> | Grid 9 <b>M4</b><br><b>28.22 dBV/m</b> |



0 dB = 27.04 V/m = 28.64 dBV/m

## HAC-RF Emission ANT1

Communication System: UID 10021 - DAC, GSM-FDD (TDMA, GMSK); Frequency: 1909.8 MHz; Duty Cycle: 1:8.6896

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1) @ 1909.8 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)

## GSM1900 E-Field measurement/Voice\_ch 810/Hearing Aid Compatibility Test

**(101x101x1):** 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 = 0.05 dB

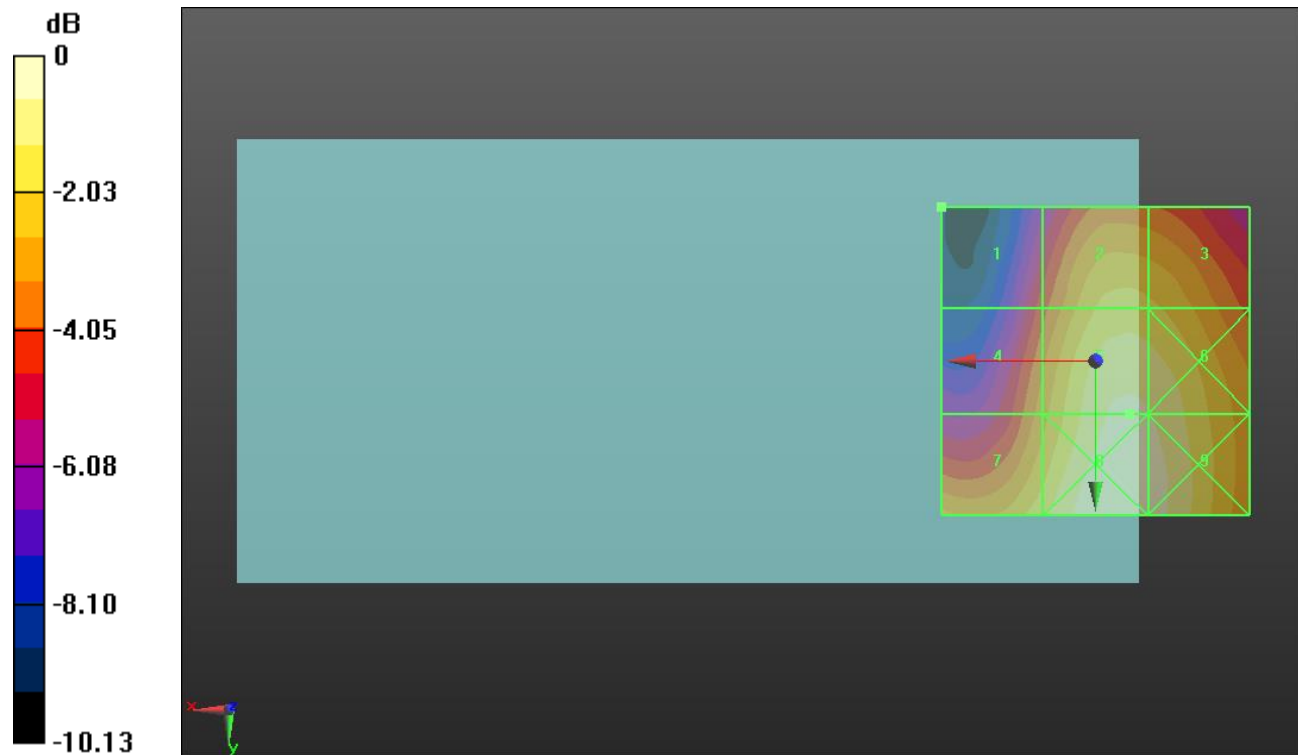
Applied MIF = 3.63 dB

RF audio interference level = 28.97 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                 |                                 |                                 |
|---------------------------------|---------------------------------|---------------------------------|
| Grid 1 <b>M4</b><br>25.2 dBV/m  | Grid 2 <b>M4</b><br>27.79 dBV/m | Grid 3 <b>M4</b><br>27.64 dBV/m |
| Grid 4 <b>M4</b><br>26.52 dBV/m | Grid 5 <b>M4</b><br>28.97 dBV/m | Grid 6 <b>M4</b><br>28.83 dBV/m |
| Grid 7 <b>M4</b><br>27.97 dBV/m | Grid 8 <b>M4</b><br>29.47 dBV/m | Grid 9 <b>M4</b><br>29.2 dBV/m  |



0 dB = 29.76 V/m = 29.47 dBV/m

## HAC-RF Emission ANT1

Communication System: UID 10173 - CAG, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 2506 MHz; Duty Cycle: 1:8.87156

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1) @ 2506 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)

### LTE Band 41\_E-Field measurement/SC-FDMA RB 1/49 20 MHz 16QAM Ch.

**39750/Hearing Aid Compatibility Test (101x101x1):** Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 11.54 V/m; Power Drift = 0.04 dB

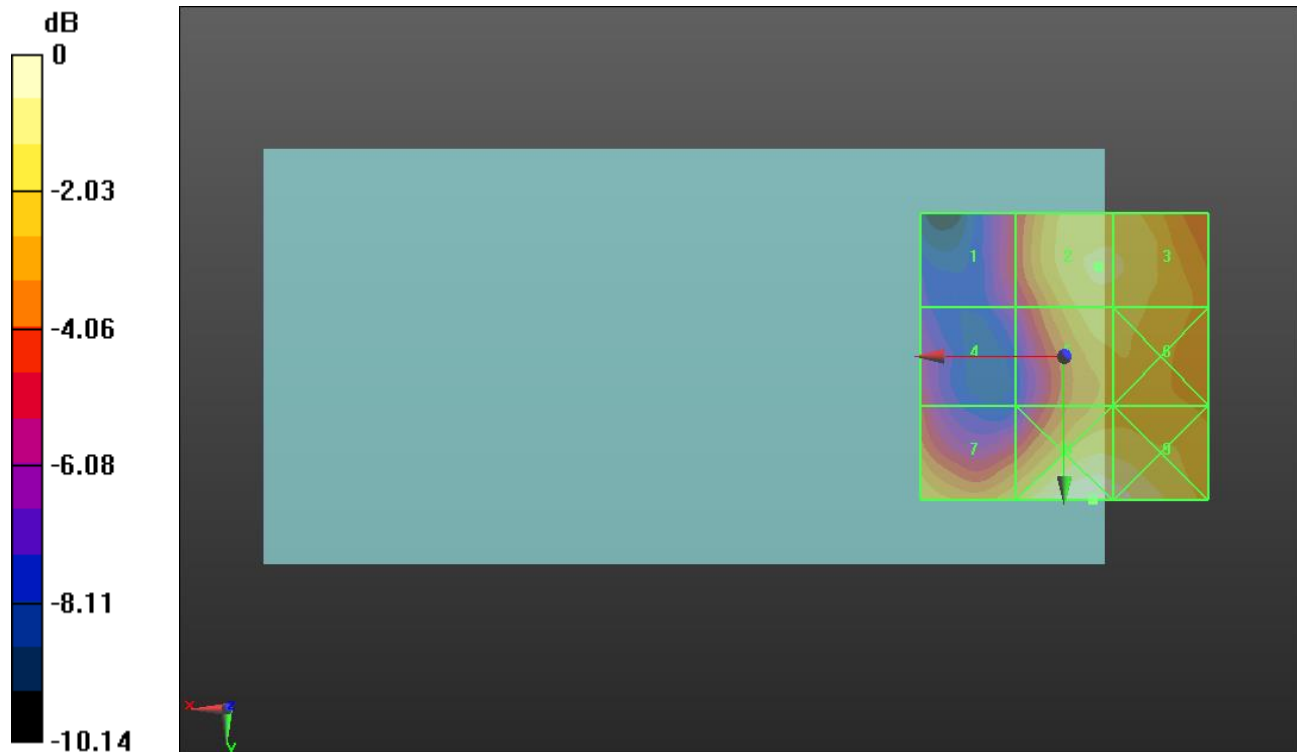
Applied MIF = -1.44 dB

RF audio interference level = 19.79 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>16.39 dBV/m</b> | Grid 2 <b>M4</b><br><b>19.79 dBV/m</b> | Grid 3 <b>M4</b><br><b>19.74 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>16.37 dBV/m</b> | Grid 5 <b>M4</b><br><b>19.4 dBV/m</b>  | Grid 6 <b>M4</b><br><b>19.35 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>19.14 dBV/m</b> | Grid 8 <b>M4</b><br><b>21.01 dBV/m</b> | Grid 9 <b>M4</b><br><b>20.78 dBV/m</b> |



0 dB = 11.23 V/m = 21.01 dBV/m

## HAC-RF Emission ANT1

Communication System: UID 10173 - CAG, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 2549.5 MHz; Duty Cycle: 1:8.87156

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1) @ 2549.5 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)

### LTE Band 41\_E-Field measurement/SC-FDMA RB 1/49 20 MHz 16QAM Ch.

**40185/Hearing Aid Compatibility Test (101x101x1):** Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 11.18 V/m; Power Drift = -0.03 dB

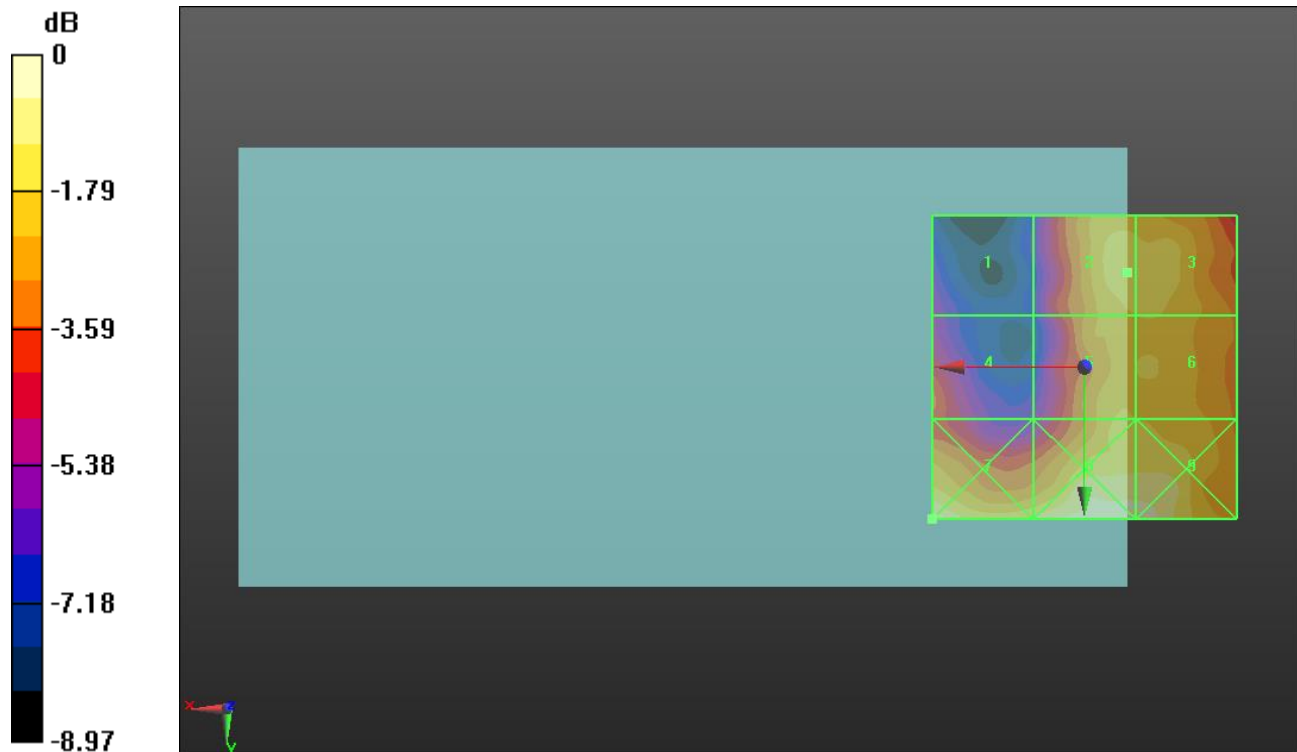
Applied MIF = -1.44 dB

RF audio interference level = 19.70 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>15.7 dBV/m</b>  | Grid 2 <b>M4</b><br><b>19.7 dBV/m</b>  | Grid 3 <b>M4</b><br><b>19.7 dBV/m</b>  |
| Grid 4 <b>M4</b><br><b>17.57 dBV/m</b> | Grid 5 <b>M4</b><br><b>19.24 dBV/m</b> | Grid 6 <b>M4</b><br><b>19.26 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>20.92 dBV/m</b> | Grid 8 <b>M4</b><br><b>20.78 dBV/m</b> | Grid 9 <b>M4</b><br><b>20.78 dBV/m</b> |



0 dB = 11.12 V/m = 20.92 dBV/m

## HAC-RF Emission ANT1

Communication System: UID 10173 - CAG, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 2593 MHz; Duty Cycle: 1:8.87156

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1) @ 2593 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)

### LTE Band 41\_E-Field measurement/SC-FDMA RB 1/49 20 MHz 16QAM Ch.

**40620/Hearing Aid Compatibility Test (101x101x1):** Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 10.08 V/m; Power Drift = 0.17 dB

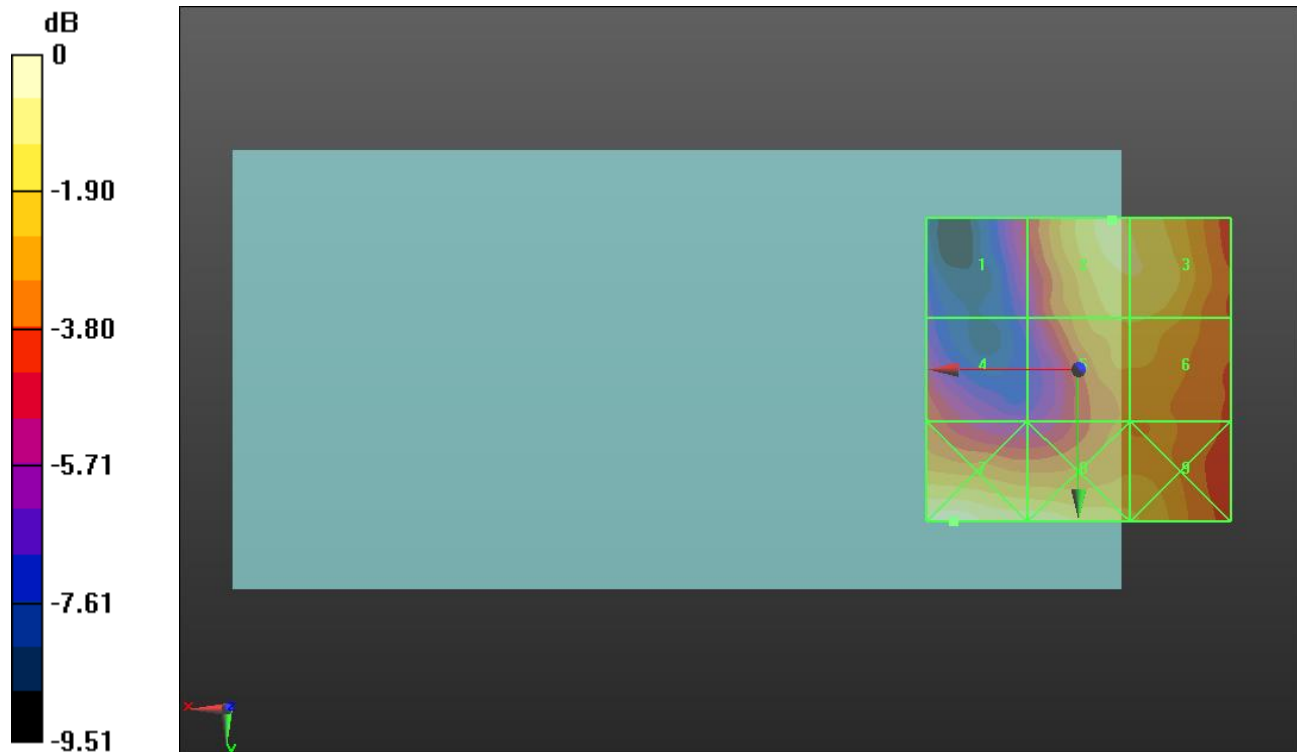
Applied MIF = -1.44 dB

RF audio interference level = 20.00 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>16.43 dBV/m</b> | Grid 2 <b>M4</b><br><b>20 dBV/m</b>    | Grid 3 <b>M4</b><br><b>19.84 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>17.37 dBV/m</b> | Grid 5 <b>M4</b><br><b>19.2 dBV/m</b>  | Grid 6 <b>M4</b><br><b>19.2 dBV/m</b>  |
| Grid 7 <b>M4</b><br><b>21.03 dBV/m</b> | Grid 8 <b>M4</b><br><b>20.41 dBV/m</b> | Grid 9 <b>M4</b><br><b>19.33 dBV/m</b> |



0 dB = 11.26 V/m = 21.03 dBV/m

## HAC-RF Emission ANT1

Communication System: UID 10173 - CAG, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 2636.5 MHz; Duty Cycle: 1:8.87156

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1) @ 2636.5 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)

### LTE Band 41\_E-Field measurement/SC-FDMA RB 1/49 20 MHz 16QAM Ch.

**41055/Hearing Aid Compatibility Test (101x101x1):** Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 11.55 V/m; Power Drift = -0.17 dB

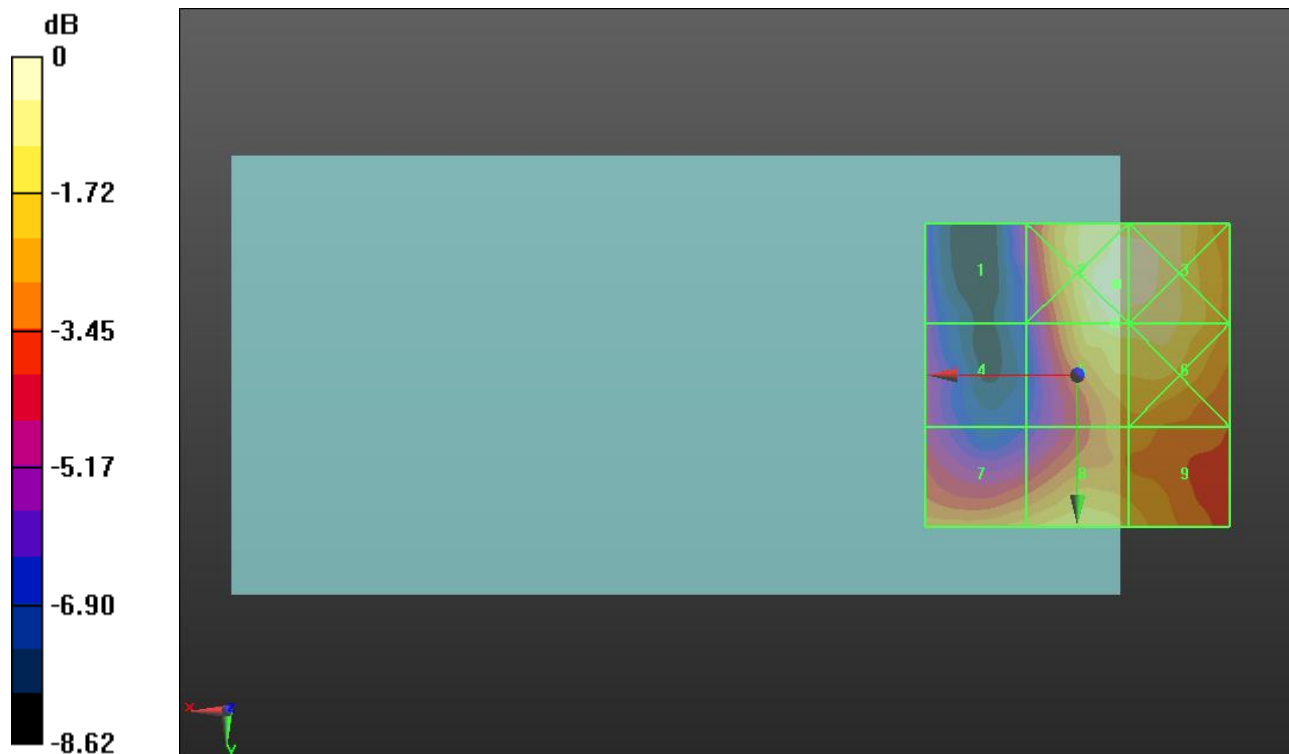
Applied MIF = -1.44 dB

RF audio interference level = 20.15 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>15.93 dBV/m</b> | Grid 2 <b>M4</b><br><b>20.85 dBV/m</b> | Grid 3 <b>M4</b><br><b>20.73 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>16.12 dBV/m</b> | Grid 5 <b>M4</b><br><b>20.15 dBV/m</b> | Grid 6 <b>M4</b><br><b>20 dBV/m</b>    |
| Grid 7 <b>M4</b><br><b>18.98 dBV/m</b> | Grid 8 <b>M4</b><br><b>19.65 dBV/m</b> | Grid 9 <b>M4</b><br><b>19.02 dBV/m</b> |



0 dB = 11.03 V/m = 20.85 dBV/m

## HAC-RF Emission ANT1

Communication System: UID 10173 - CAG, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 2680 MHz; Duty Cycle: 1:8.87156

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1) @ 2680 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)

### LTE Band 41\_E-Field measurement/SC-FDMA RB 1/49 20 MHz 16QAM Ch.

**41490/Hearing Aid Compatibility Test (101x101x1):** Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 10.41 V/m; Power Drift = -0.01 dB

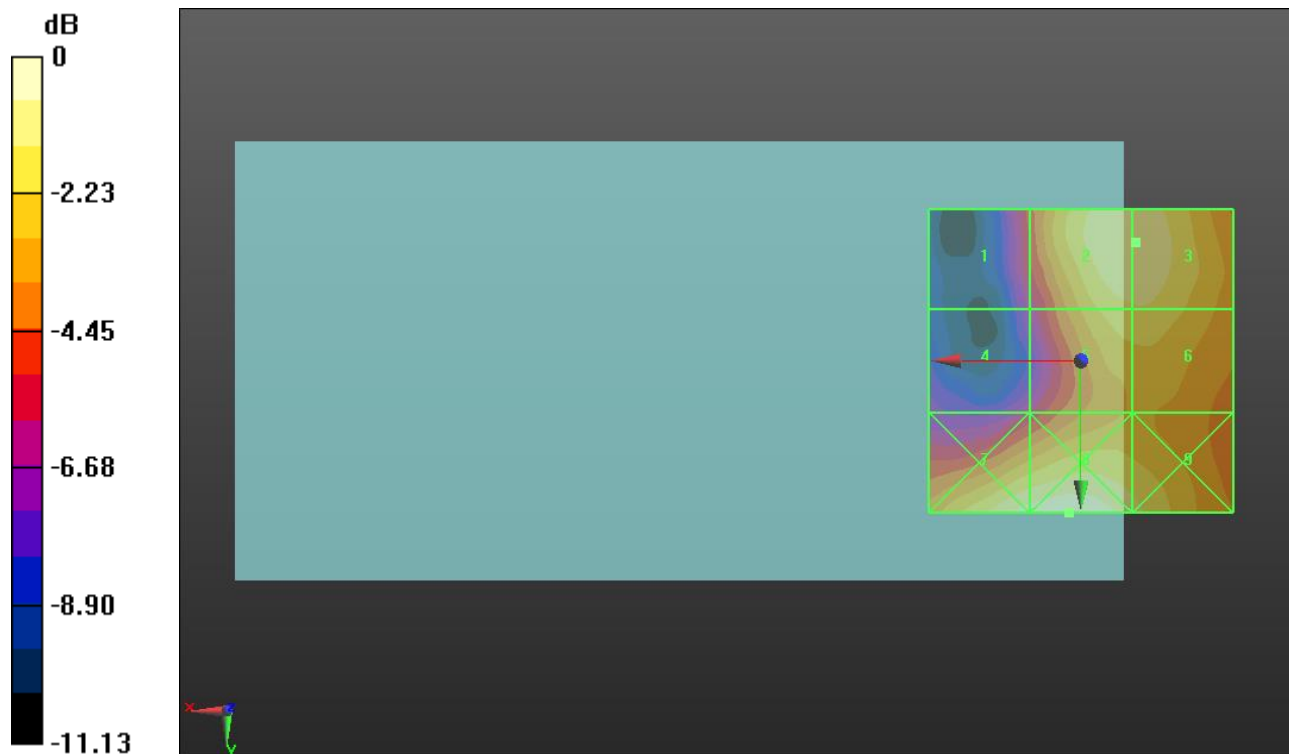
Applied MIF = -1.44 dB

RF audio interference level = 20.01 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>16.09 dBV/m</b> | Grid 2 <b>M4</b><br><b>20.01 dBV/m</b> | Grid 3 <b>M4</b><br><b>20.01 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>15.02 dBV/m</b> | Grid 5 <b>M4</b><br><b>19.32 dBV/m</b> | Grid 6 <b>M4</b><br><b>19.35 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>20.58 dBV/m</b> | Grid 8 <b>M4</b><br><b>20.9 dBV/m</b>  | Grid 9 <b>M4</b><br><b>19.74 dBV/m</b> |



0 dB = 11.09 V/m = 20.90 dBV/m

## HAC-RF Emission ANT1

Communication System: UID 10173 - CAG, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 2506 MHz; Duty Cycle: 1:8.87156

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1) @ 2506 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)

### LTE Band 41\_Power Class 2 E-Field measurement/SC-FDMA RB 1/49 20 MHz 16QAM

**Ch. 39750/Hearing Aid Compatibility Test (101x101x1):** Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 16.22 V/m; Power Drift = -0.09 dB

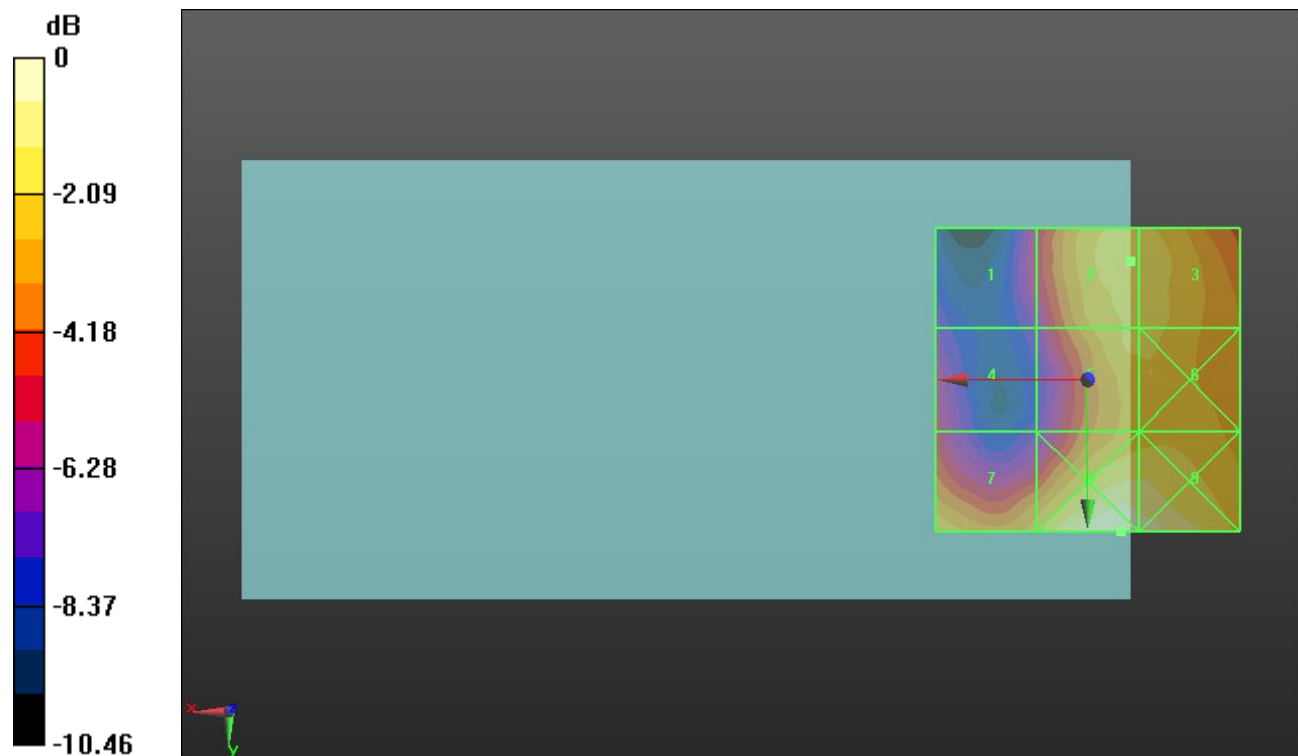
Applied MIF = -1.44 dB

RF audio interference level = 22.83 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>19.17 dBV/m</b> | Grid 2 <b>M4</b><br><b>22.83 dBV/m</b> | Grid 3 <b>M4</b><br><b>22.81 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>19.34 dBV/m</b> | Grid 5 <b>M4</b><br><b>22.64 dBV/m</b> | Grid 6 <b>M4</b><br><b>22.64 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>22.51 dBV/m</b> | Grid 8 <b>M4</b><br><b>24.55 dBV/m</b> | Grid 9 <b>M4</b><br><b>24.44 dBV/m</b> |



0 dB = 16.88 V/m = 24.55 dBV/m

## HAC-RF Emission ANT1

Communication System: UID 10173 - CAG, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 2549.5 MHz; Duty Cycle: 1:8.87156

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1) @ 2549.5 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)

## LTE Band 41\_Power Class 2 E-Field measurement/SC-FDMA RB 1/49 20 MHz 16QAM

**Ch. 40185/Hearing Aid Compatibility Test (101x101x1):** Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 16.02 V/m; Power Drift = 0.07 dB

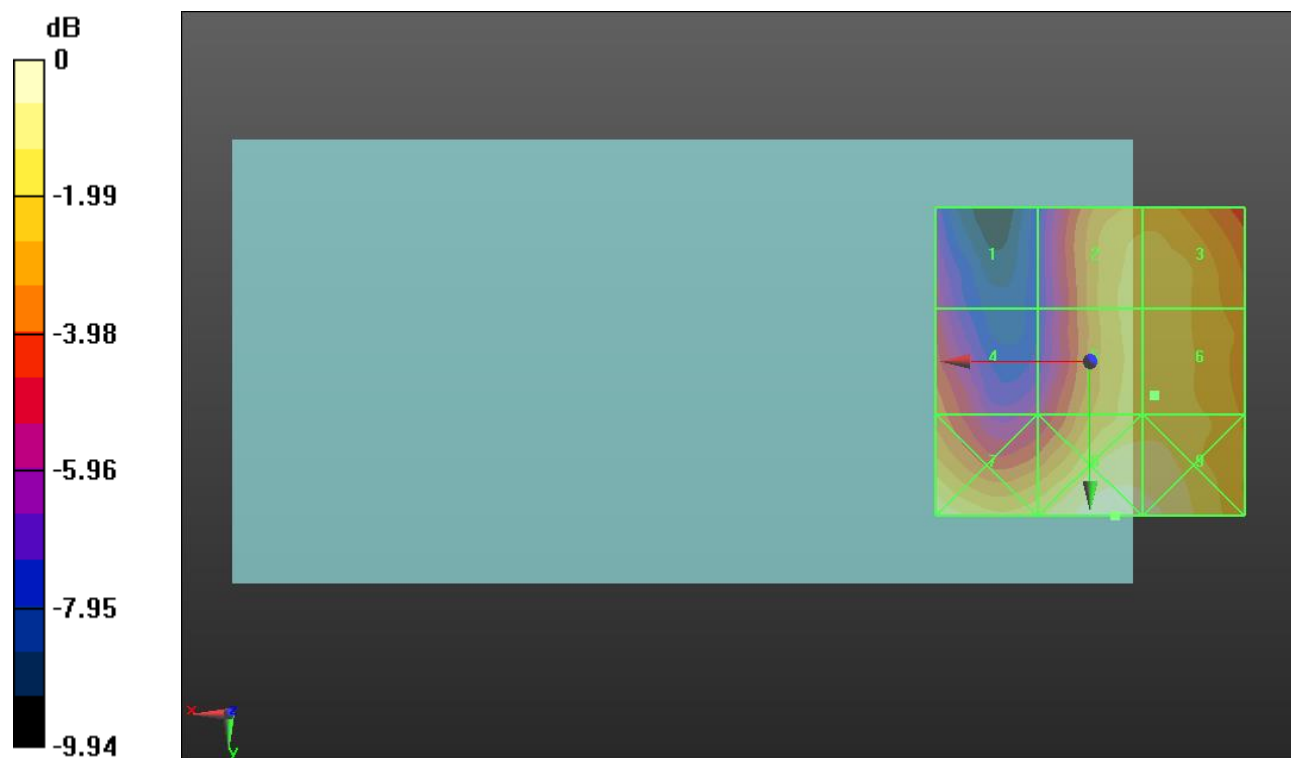
Applied MIF = -1.44 dB

RF audio interference level = 22.38 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>18.74 dBV/m</b> | Grid 2 <b>M4</b><br><b>22.26 dBV/m</b> | Grid 3 <b>M4</b><br><b>22.3 dBV/m</b>  |
| Grid 4 <b>M4</b><br><b>20.38 dBV/m</b> | Grid 5 <b>M4</b><br><b>22.31 dBV/m</b> | Grid 6 <b>M4</b><br><b>22.38 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>23.21 dBV/m</b> | Grid 8 <b>M4</b><br><b>23.91 dBV/m</b> | Grid 9 <b>M4</b><br><b>23.64 dBV/m</b> |



0 dB = 15.69 V/m = 23.91 dBV/m

## HAC-RF Emission ANT1

Communication System: UID 10173 - CAG, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 2593 MHz; Duty Cycle: 1:8.87156

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1) @ 2593 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)

### LTE Band 41\_Power Class 2 E-Field measurement/SC-FDMA RB 1/49 20 MHz 16QAM Ch. 40620/Hearing Aid Compatibility Test (101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 14.80 V/m; Power Drift = -0.16 dB

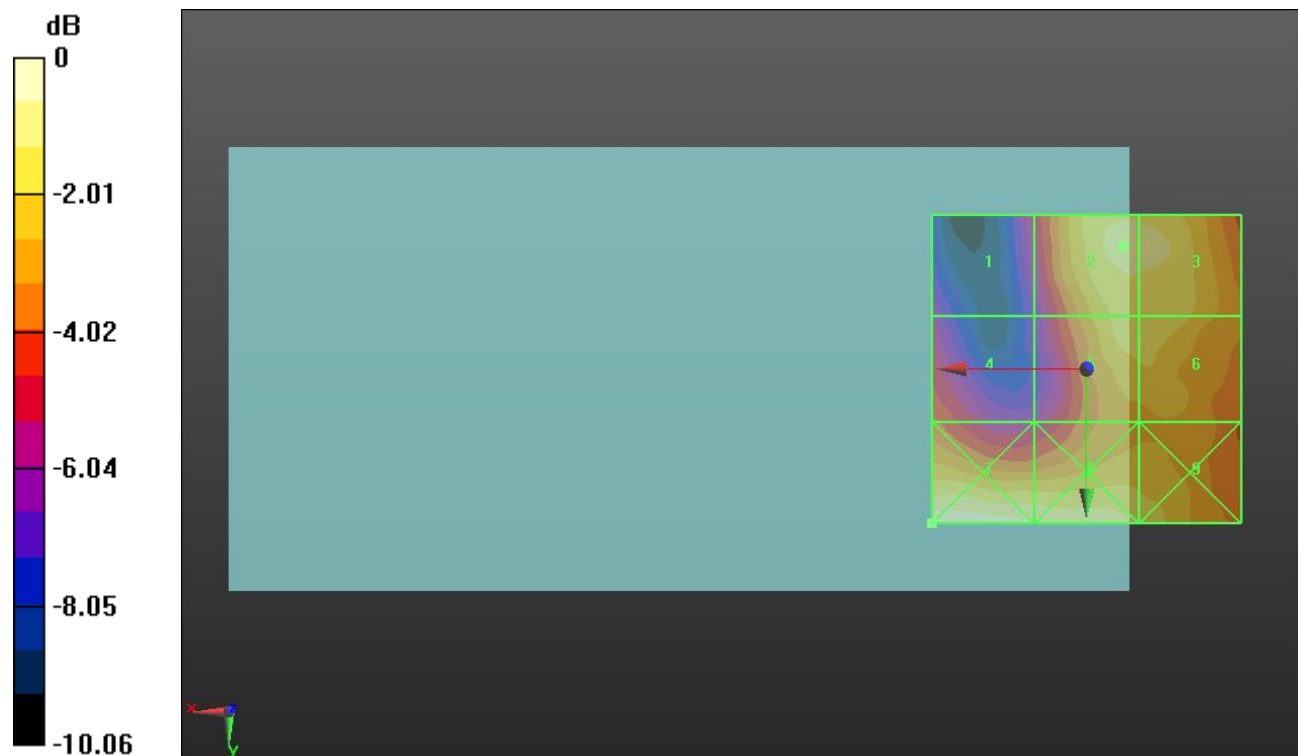
Applied MIF = -1.44 dB

RF audio interference level = 22.91 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>18.81 dBV/m</b> | Grid 2 <b>M4</b><br><b>22.91 dBV/m</b> | Grid 3 <b>M4</b><br><b>22.83 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>20.1 dBV/m</b>  | Grid 5 <b>M4</b><br><b>22.35 dBV/m</b> | Grid 6 <b>M4</b><br><b>22.36 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>23.92 dBV/m</b> | Grid 8 <b>M4</b><br><b>23.32 dBV/m</b> | Grid 9 <b>M4</b><br><b>22.76 dBV/m</b> |



0 dB = 15.71 V/m = 23.92 dBV/m

## HAC-RF Emission ANT1

Communication System: UID 10173 - CAG, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 2636.5 MHz; Duty Cycle: 1:8.87156

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1) @ 2636.5 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)

### LTE Band 41\_Power Class 2 E-Field measurement/SC-FDMA RB 1/49 20 MHz 16QAM Ch. 41055/Hearing Aid Compatibility Test (101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 15.98 V/m; Power Drift = -0.09 dB

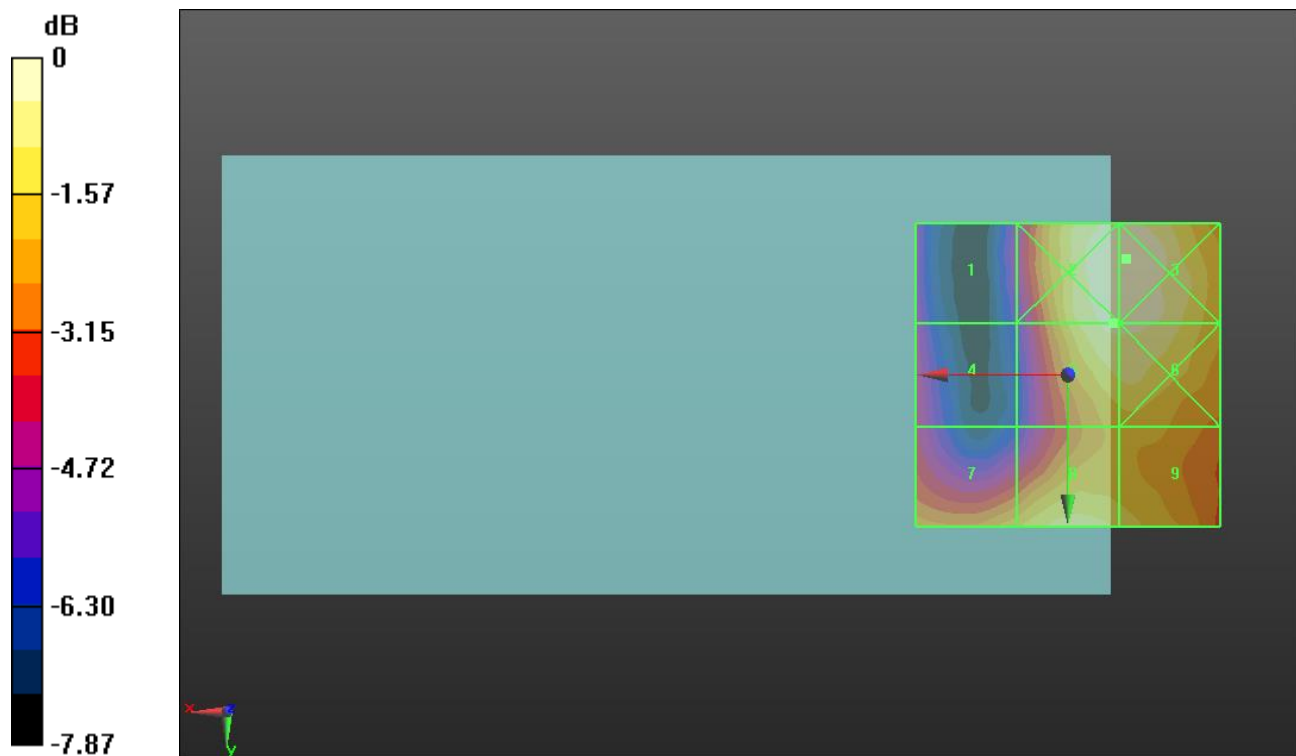
Applied MIF = -1.44 dB

RF audio interference level = 22.95 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>18.85 dBV/m</b> | Grid 2 <b>M4</b><br><b>23.34 dBV/m</b> | Grid 3 <b>M4</b><br><b>23.35 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>19.31 dBV/m</b> | Grid 5 <b>M4</b><br><b>22.95 dBV/m</b> | Grid 6 <b>M4</b><br><b>22.94 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>21.75 dBV/m</b> | Grid 8 <b>M4</b><br><b>22.63 dBV/m</b> | Grid 9 <b>M4</b><br><b>22.18 dBV/m</b> |



0 dB = 14.71 V/m = 23.35 dBV/m

## HAC-RF Emission ANT1

Communication System: UID 10173 - CAG, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 2680 MHz; Duty Cycle: 1:8.87156

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1) @ 2680 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)

### LTE Band 41\_Power Class 2 E-Field measurement/SC-FDMA RB 1/49 20 MHz 16QAM Ch. 41490/Hearing Aid Compatibility Test (101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 15.63 V/m; Power Drift = 0.05 dB

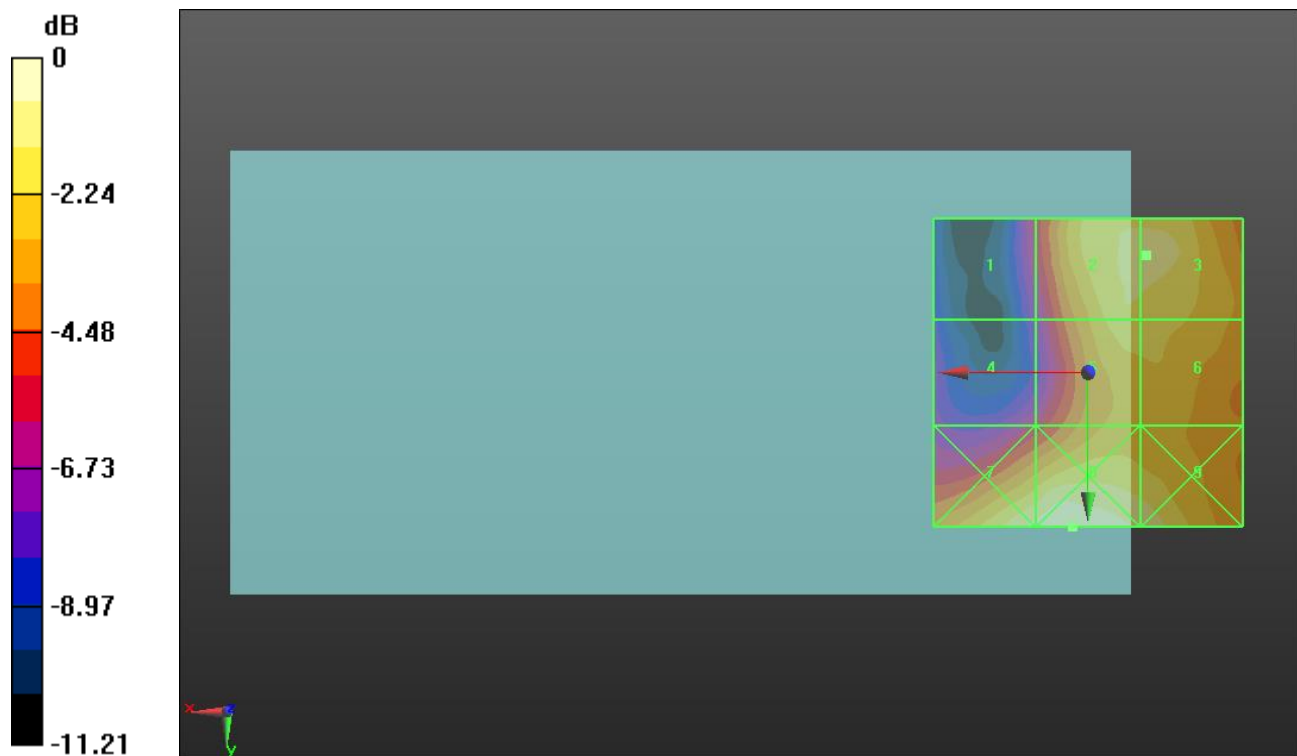
Applied MIF = -1.44 dB

RF audio interference level = 23.10 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>18.81 dBV/m</b> | Grid 2 <b>M4</b><br><b>23.09 dBV/m</b> | Grid 3 <b>M4</b><br><b>23.1 dBV/m</b>  |
| Grid 4 <b>M4</b><br><b>18.64 dBV/m</b> | Grid 5 <b>M4</b><br><b>22.72 dBV/m</b> | Grid 6 <b>M4</b><br><b>22.67 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>23.96 dBV/m</b> | Grid 8 <b>M4</b><br><b>24.41 dBV/m</b> | Grid 9 <b>M4</b><br><b>23.62 dBV/m</b> |



0 dB = 16.61 V/m = 24.41 dBV/m

## HAC-RF Emission ANT1

Communication System: UID 10235 - CAG, LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM); Frequency: 2489.2 MHz; Duty Cycle: 1:8.8736

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1) @ 2489.2 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)

### LTE Band 53\_E-Field measurement/SC-FDMA RB 1/49 10 MHz 16QAM Ch.

**60197/Hearing Aid Compatibility Test (101x101x1):** Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 10.12 V/m; Power Drift = -0.10 dB

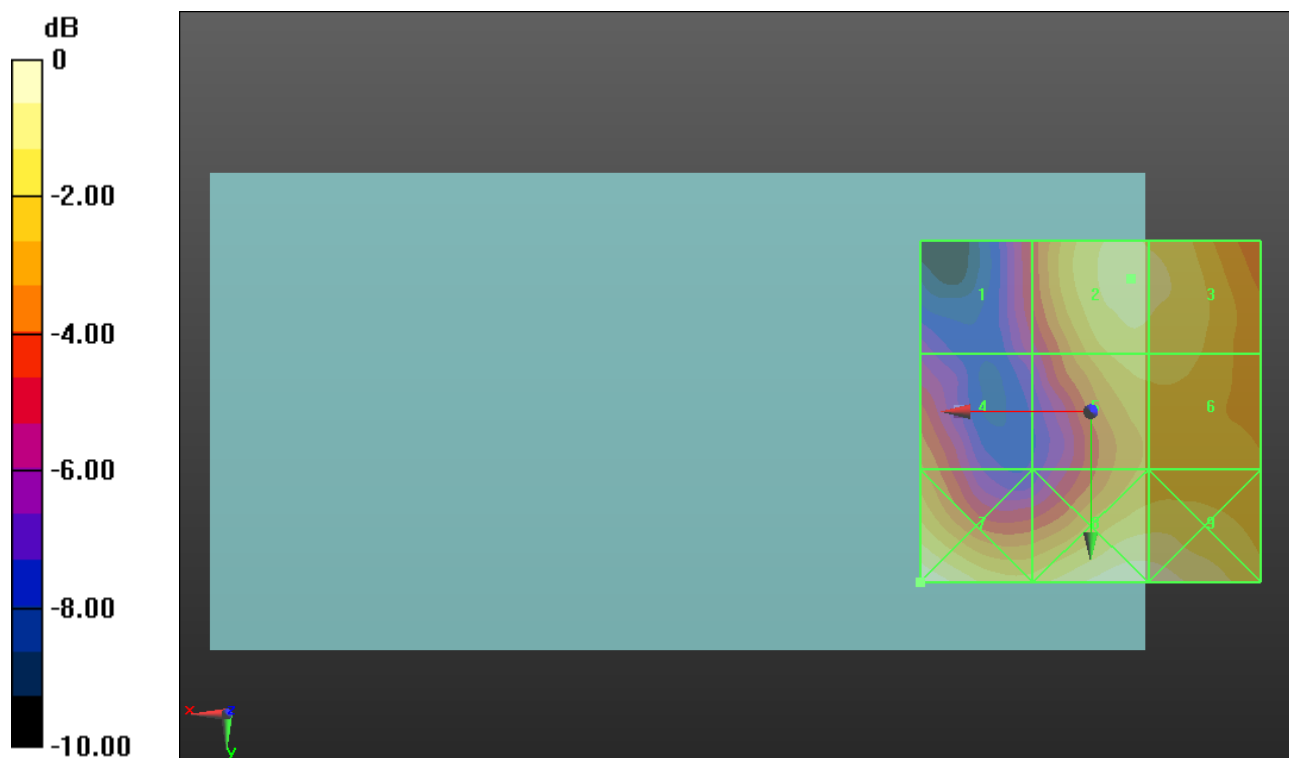
Applied MIF = -1.44 dB

RF audio interference level = 19.67 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>16.33 dBV/m</b> | Grid 2 <b>M4</b><br><b>19.67 dBV/m</b> | Grid 3 <b>M4</b><br><b>19.59 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>17.55 dBV/m</b> | Grid 5 <b>M4</b><br><b>19.08 dBV/m</b> | Grid 6 <b>M4</b><br><b>19.05 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>20.7 dBV/m</b>  | Grid 8 <b>M4</b><br><b>20.6 dBV/m</b>  | Grid 9 <b>M4</b><br><b>20.49 dBV/m</b> |



0 dB = 10.84 V/m = 20.70 dBV/m

## HAC-RF Emission ANT2

Communication System: UID 10021 - DAC, GSM-FDD (TDMA, GMSK); Frequency: 824.2 MHz; Duty Cycle: 1:8.6896

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1) @ 824.2 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)

## GSM850 E-Field measurement/Voice\_ch 128/Hearing Aid Compatibility Test

**(101x101x1):** Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 98.58 V/m; Power Drift = -0.03 dB

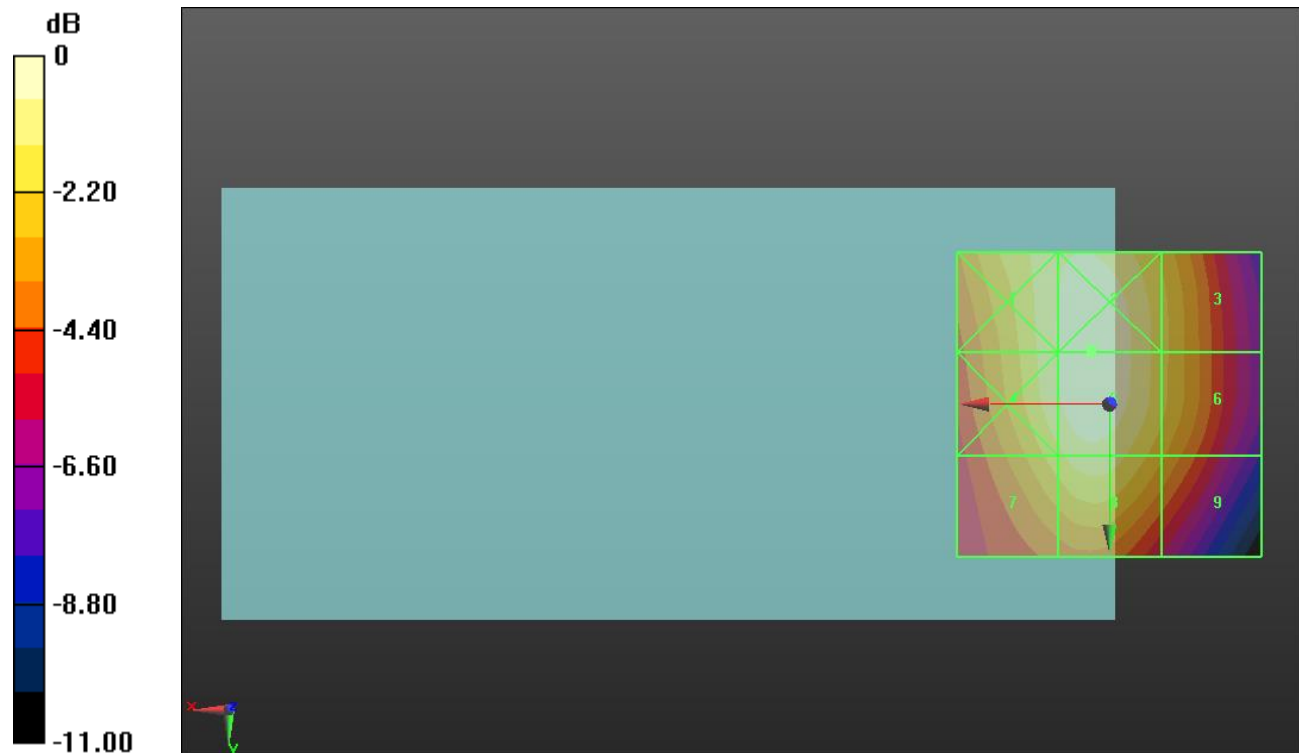
Applied MIF = 3.63 dB

RF audio interference level = 39.00 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>38.34 dBV/m</b> | Grid 2 <b>M4</b><br><b>39 dBV/m</b>    | Grid 3 <b>M4</b><br><b>37.13 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>38.32 dBV/m</b> | Grid 5 <b>M4</b><br><b>39 dBV/m</b>    | Grid 6 <b>M4</b><br><b>37.12 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>37.29 dBV/m</b> | Grid 8 <b>M4</b><br><b>38.01 dBV/m</b> | Grid 9 <b>M4</b><br><b>36.23 dBV/m</b> |



0 dB = 89.12 V/m = 39.00 dBV/m

## HAC-RF Emission ANT2

Communication System: UID 10021 - DAC, GSM-FDD (TDMA, GMSK); Frequency: 836.6 MHz; Duty Cycle: 1:8.6896

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1) @ 836.6 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)

## GSM850 E-Field measurement/Voice\_ch 190/Hearing Aid Compatibility Test

**(101x101x1):** Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 110.1 V/m; Power Drift = -0.02 dB

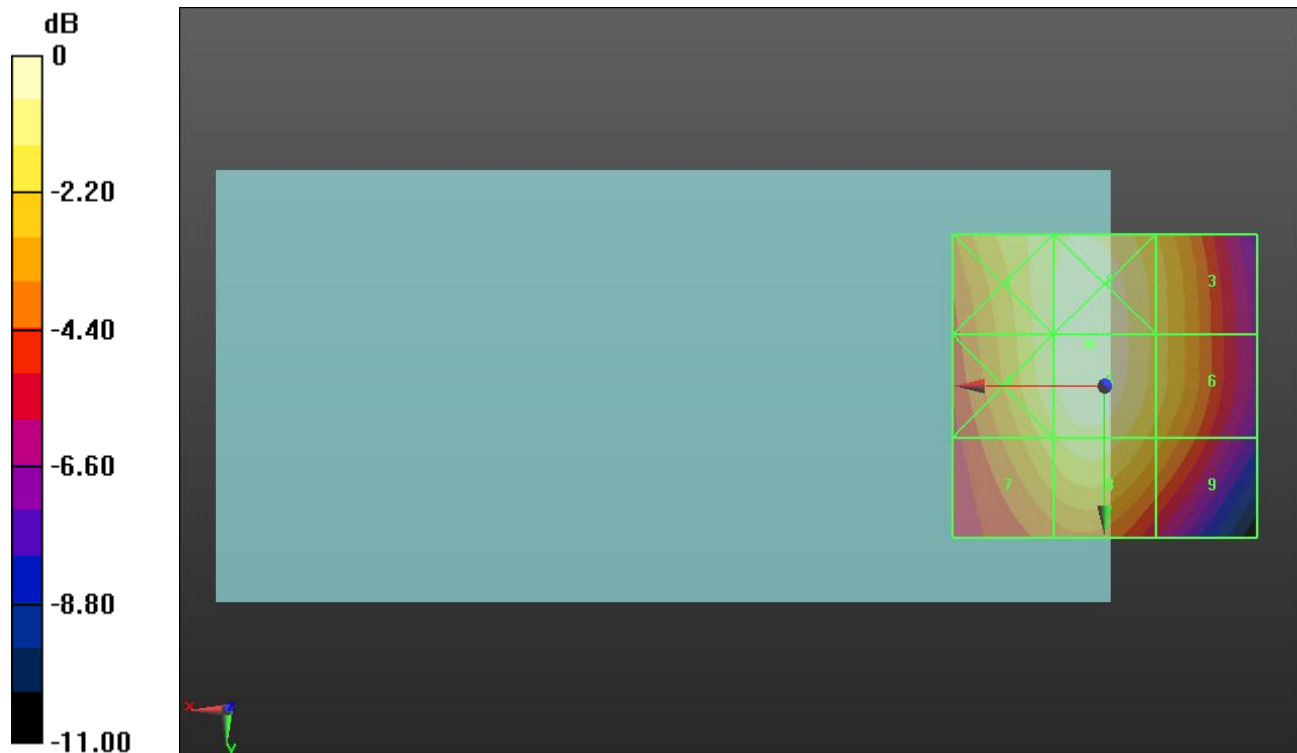
Applied MIF = 3.63 dB

RF audio interference level = 39.85 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>39.13 dBV/m</b> | Grid 2 <b>M4</b><br><b>39.85 dBV/m</b> | Grid 3 <b>M4</b><br><b>38.13 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>39.13 dBV/m</b> | Grid 5 <b>M4</b><br><b>39.85 dBV/m</b> | Grid 6 <b>M4</b><br><b>38.13 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>38.17 dBV/m</b> | Grid 8 <b>M4</b><br><b>38.9 dBV/m</b>  | Grid 9 <b>M4</b><br><b>37.28 dBV/m</b> |



0 dB = 98.33 V/m = 39.85 dBV/m

## HAC-RF Emission ANT2

Communication System: UID 10021 - DAC, GSM-FDD (TDMA, GMSK); Frequency: 848.6 MHz; Duty Cycle: 1:8.6896

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1) @ 848.6 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)

## GSM850 E-Field measurement/Voice\_ch 251/Hearing Aid Compatibility Test

**(101x101x1):** Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 117.5 V/m; Power Drift = -0.03 dB

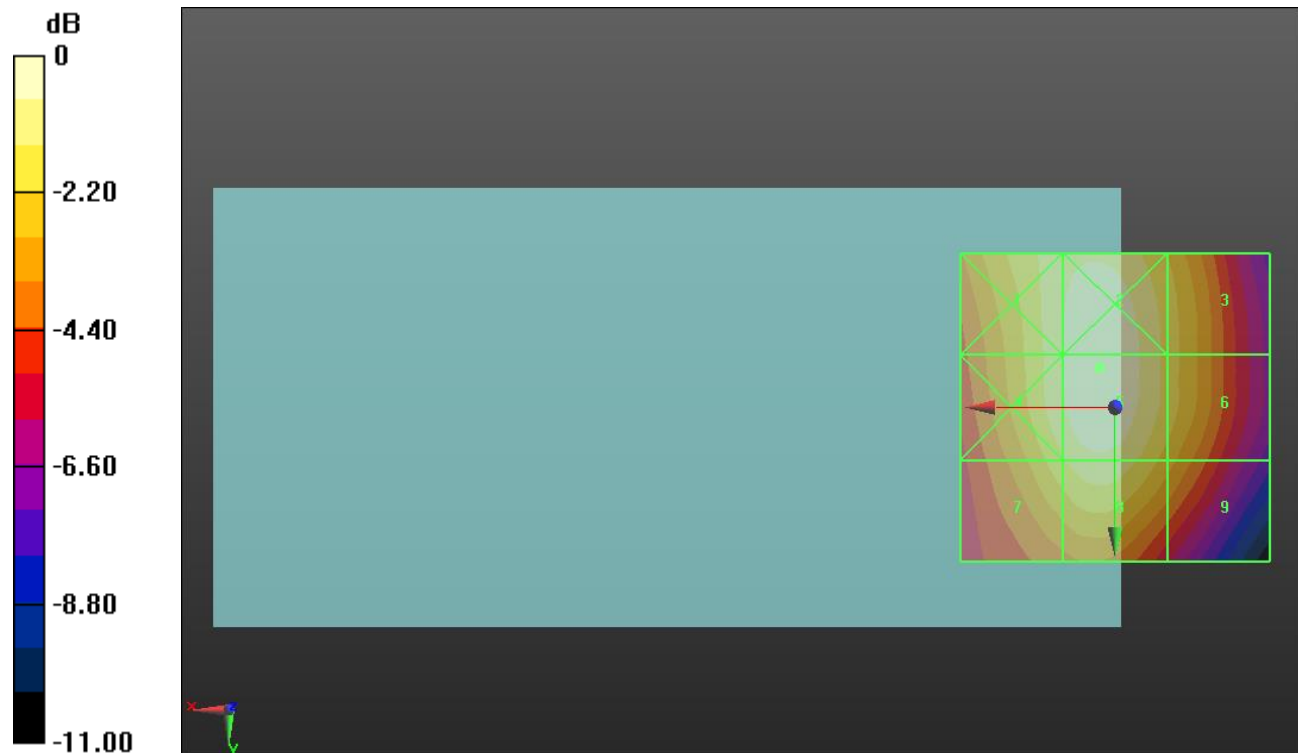
Applied MIF = 3.63 dB

RF audio interference level = 40.37 dBV/m

**Emission category: M3**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>39.61 dBV/m</b> | Grid 2 <b>M3</b><br><b>40.36 dBV/m</b> | Grid 3 <b>M4</b><br><b>38.65 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>39.62 dBV/m</b> | Grid 5 <b>M3</b><br><b>40.37 dBV/m</b> | Grid 6 <b>M4</b><br><b>38.65 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>38.78 dBV/m</b> | Grid 8 <b>M4</b><br><b>39.49 dBV/m</b> | Grid 9 <b>M4</b><br><b>37.81 dBV/m</b> |



0 dB = 104.4 V/m = 40.37 dBV/m

## HAC-RF Emission ANT2

Communication System: UID 10021 - DAC, GSM-FDD (TDMA, GMSK); Frequency: 1850.2 MHz; Duty Cycle: 1:8.6896

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1) @ 1850.2 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)

## GSM1900 E-Field measurement/Voice\_ch 512/Hearing Aid Compatibility Test

**(101x101x1):** Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 16.80 V/m; Power Drift = -0.07 dB

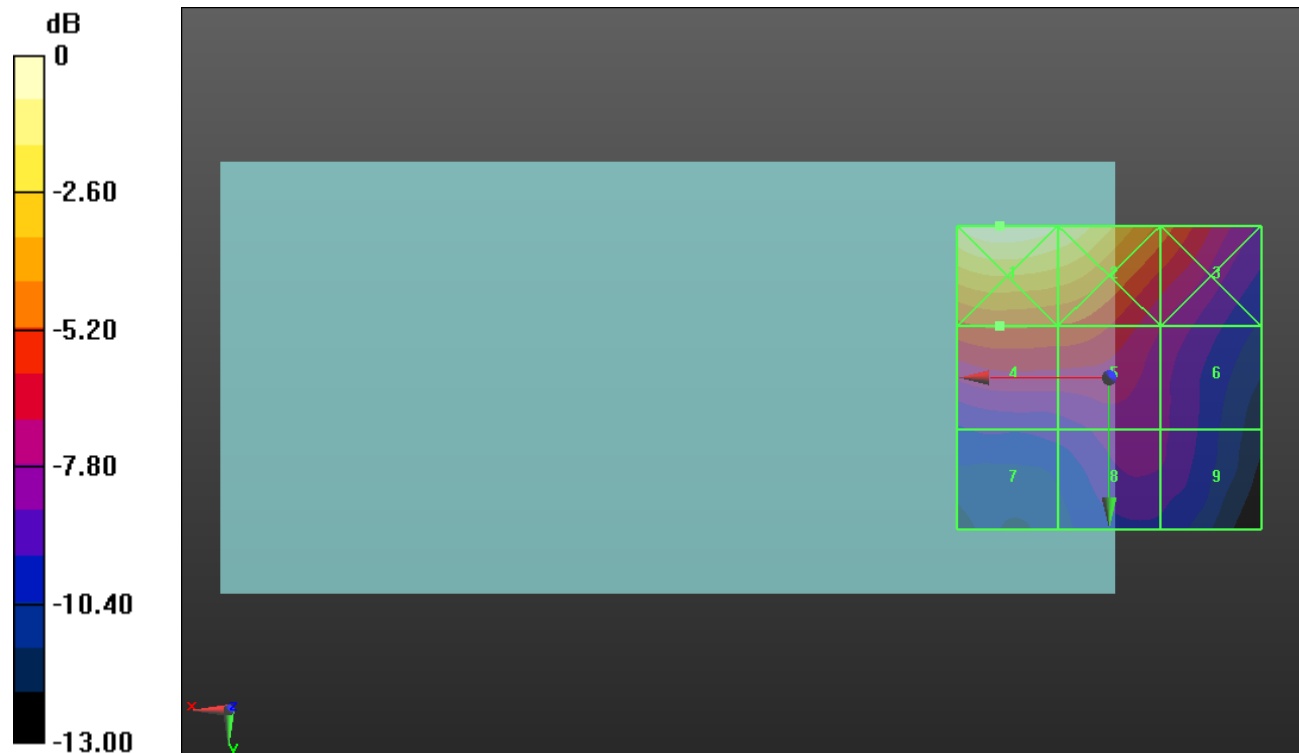
Applied MIF = 3.63 dB

RF audio interference level = 28.03 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M3</b><br><b>33.08 dBV/m</b> | Grid 2 <b>M3</b><br><b>32.4 dBV/m</b>  | Grid 3 <b>M4</b><br><b>28.5 dBV/m</b>  |
| Grid 4 <b>M4</b><br><b>28.03 dBV/m</b> | Grid 5 <b>M4</b><br><b>27.83 dBV/m</b> | Grid 6 <b>M4</b><br><b>25.36 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>23.98 dBV/m</b> | Grid 8 <b>M4</b><br><b>24.95 dBV/m</b> | Grid 9 <b>M4</b><br><b>24.63 dBV/m</b> |



0 dB = 45.06 V/m = 33.08 dBV/m

## HAC-RF Emission ANT2

Communication System: UID 10021 - DAC, GSM-FDD (TDMA, GMSK); Frequency: 1880 MHz; Duty Cycle: 1:8.6896

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)

## GSM1900 E-Field measurement/Voice\_ch 661/Hearing Aid Compatibility Test

**(101x101x1):** 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 = -0.00 dB

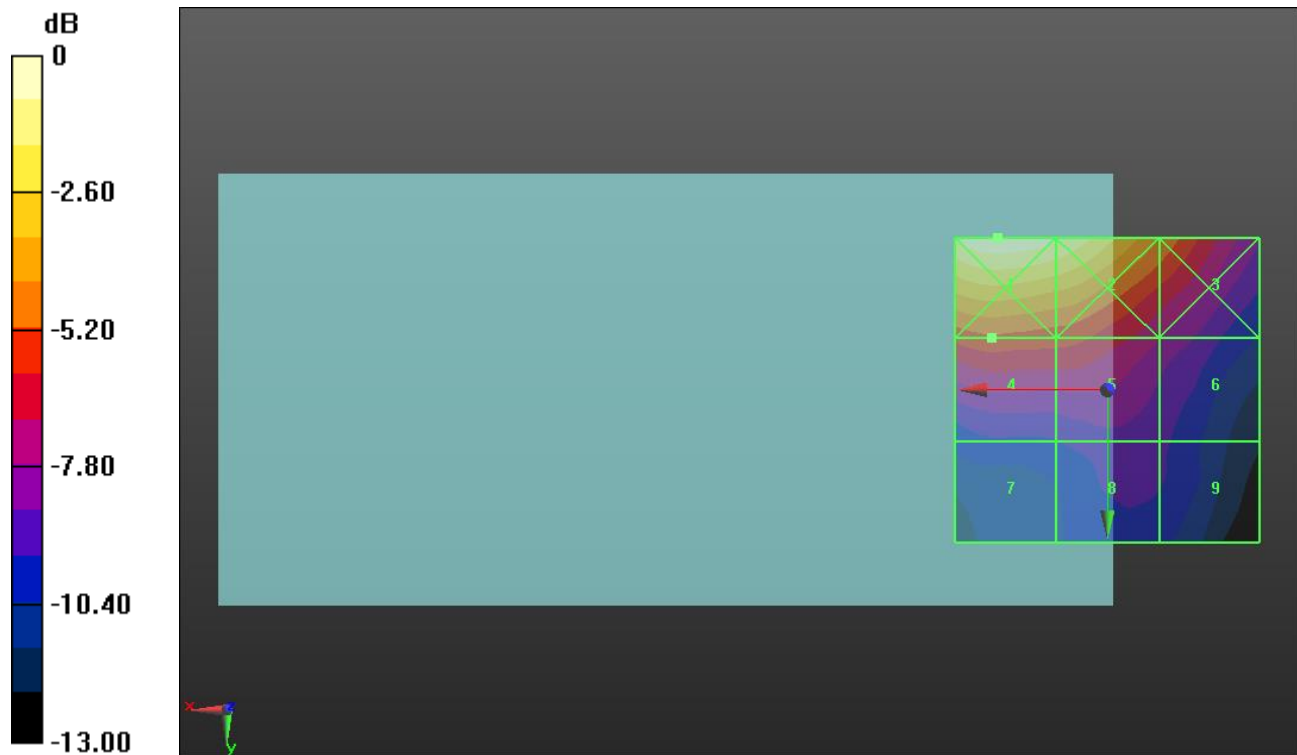
Applied MIF = 3.63 dB

RF audio interference level = 27.53 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M3</b><br><b>32.9 dBV/m</b>  | Grid 2 <b>M3</b><br><b>32.24 dBV/m</b> | Grid 3 <b>M4</b><br><b>28.61 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>27.53 dBV/m</b> | Grid 5 <b>M4</b><br><b>27.24 dBV/m</b> | Grid 6 <b>M4</b><br><b>25.17 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>23.36 dBV/m</b> | Grid 8 <b>M4</b><br><b>24 dBV/m</b>    | Grid 9 <b>M4</b><br><b>23.64 dBV/m</b> |



0 dB = 44.16 V/m = 32.90 dBV/m

## HAC-RF Emission ANT2

Communication System: UID 10021 - DAC, GSM-FDD (TDMA, GMSK); Frequency: 1909.8 MHz; Duty Cycle: 1:8.6896

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1) @ 1909.8 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)

## GSM1900 E-Field measurement/Voice\_ch 810/Hearing Aid Compatibility Test

**(101x101x1):** Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 14.20 V/m; Power Drift = 0.01 dB

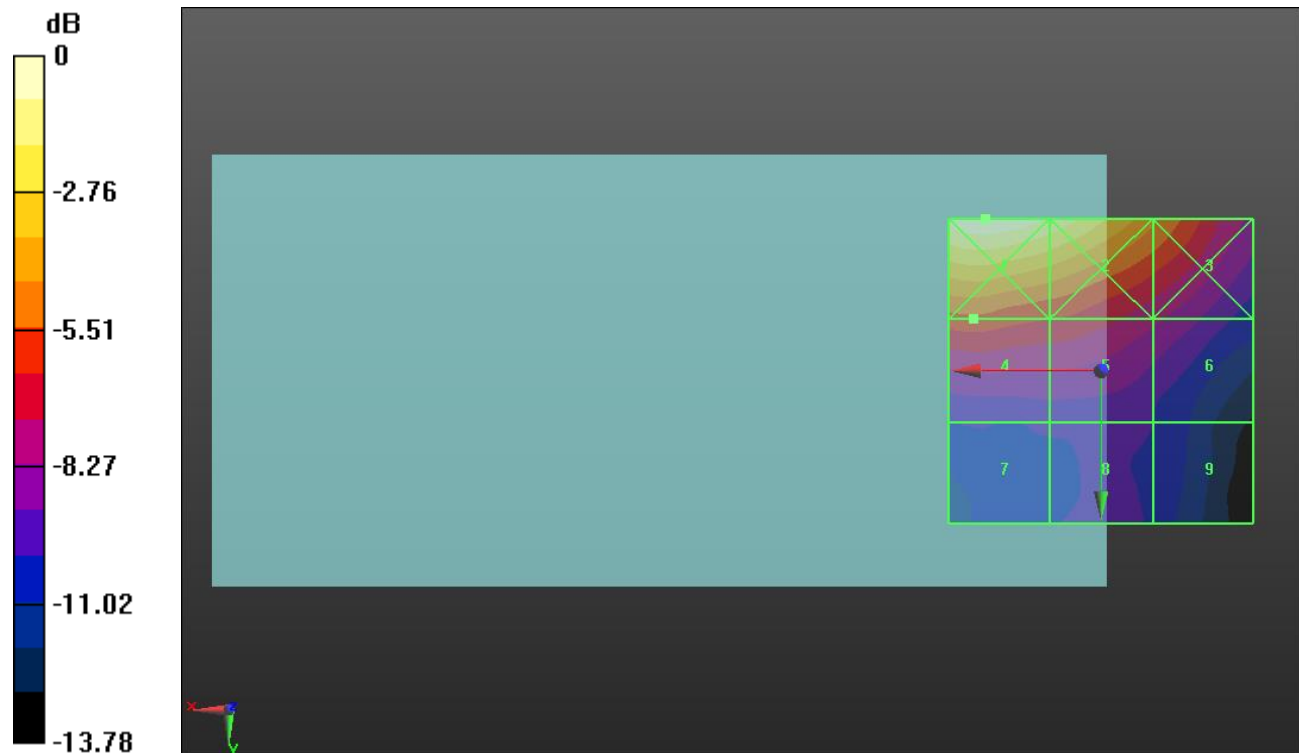
Applied MIF = 3.63 dB

RF audio interference level = 26.97 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M3</b><br><b>32.72 dBV/m</b> | Grid 2 <b>M3</b><br><b>31.75 dBV/m</b> | Grid 3 <b>M4</b><br><b>28.38 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>26.97 dBV/m</b> | Grid 5 <b>M4</b><br><b>26.32 dBV/m</b> | Grid 6 <b>M4</b><br><b>24.72 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>22.94 dBV/m</b> | Grid 8 <b>M4</b><br><b>23.07 dBV/m</b> | Grid 9 <b>M4</b><br><b>22.66 dBV/m</b> |



0 dB = 43.23 V/m = 32.72 dBV/m

## HAC-RF Emission ANT2

Communication System: UID 10173 - CAG, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 2506 MHz; Duty Cycle: 1:8.87156

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1) @ 2506 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)

### LTE Band 41\_E-Field measurement/SC-FDMA RB 1/49 20 MHz 16QAM Ch.

**39750/Hearing Aid Compatibility Test (101x101x1):** Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 33.46 V/m; Power Drift = -0.03 dB

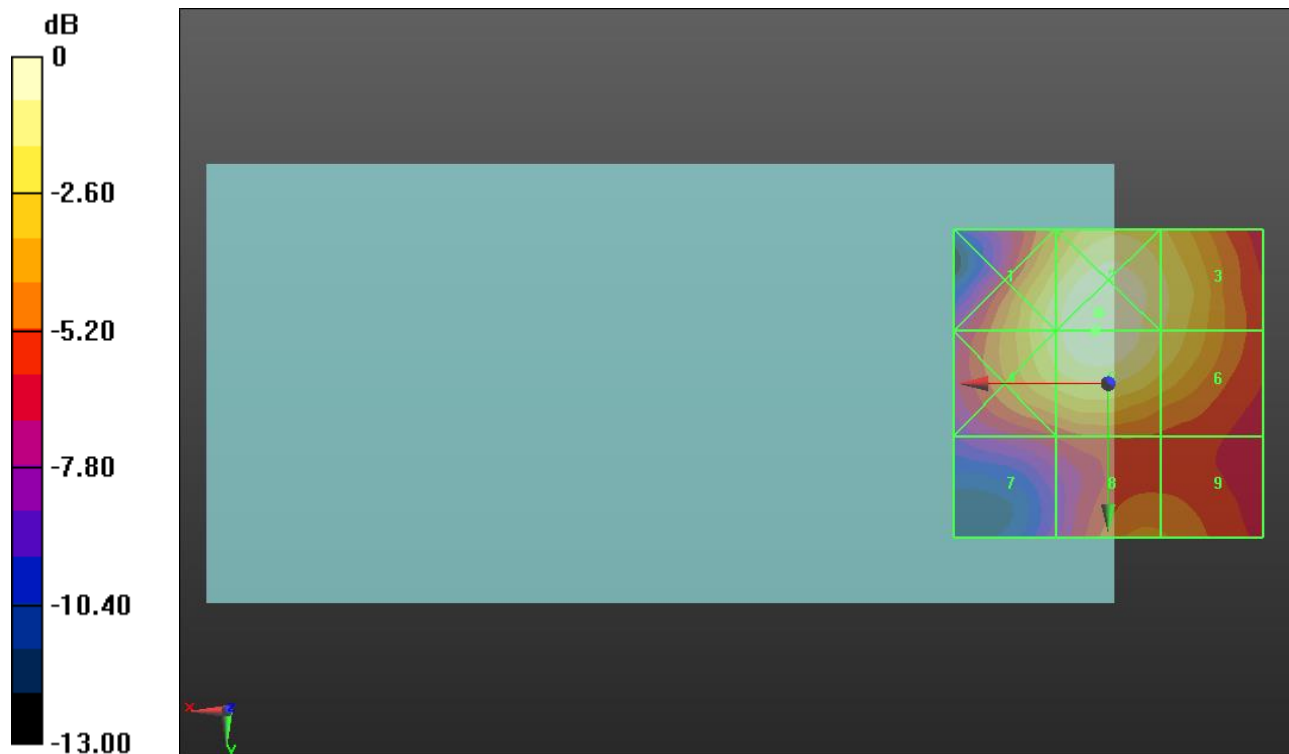
Applied MIF = -1.44 dB

RF audio interference level = 26.46 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                 |                                 |                                 |
|---------------------------------|---------------------------------|---------------------------------|
| Grid 1 <b>M4</b><br>25.47 dBV/m | Grid 2 <b>M4</b><br>26.53 dBV/m | Grid 3 <b>M4</b><br>25.12 dBV/m |
| Grid 4 <b>M4</b><br>25.44 dBV/m | Grid 5 <b>M4</b><br>26.46 dBV/m | Grid 6 <b>M4</b><br>24.92 dBV/m |
| Grid 7 <b>M4</b><br>20.57 dBV/m | Grid 8 <b>M4</b><br>22.46 dBV/m | Grid 9 <b>M4</b><br>22.34 dBV/m |



0 dB = 21.20 V/m = 26.53 dBV/m

## HAC-RF Emission ANT2

Communication System: UID 10173 - CAG, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 2549.5 MHz; Duty Cycle: 1:8.87156

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1) @ 2549.5 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)

### LTE Band 41\_E-Field measurement/SC-FDMA RB 1/49 20 MHz 16QAM Ch.

**40185/Hearing Aid Compatibility Test (101x101x1):** Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 38.70 V/m; Power Drift = -0.03 dB

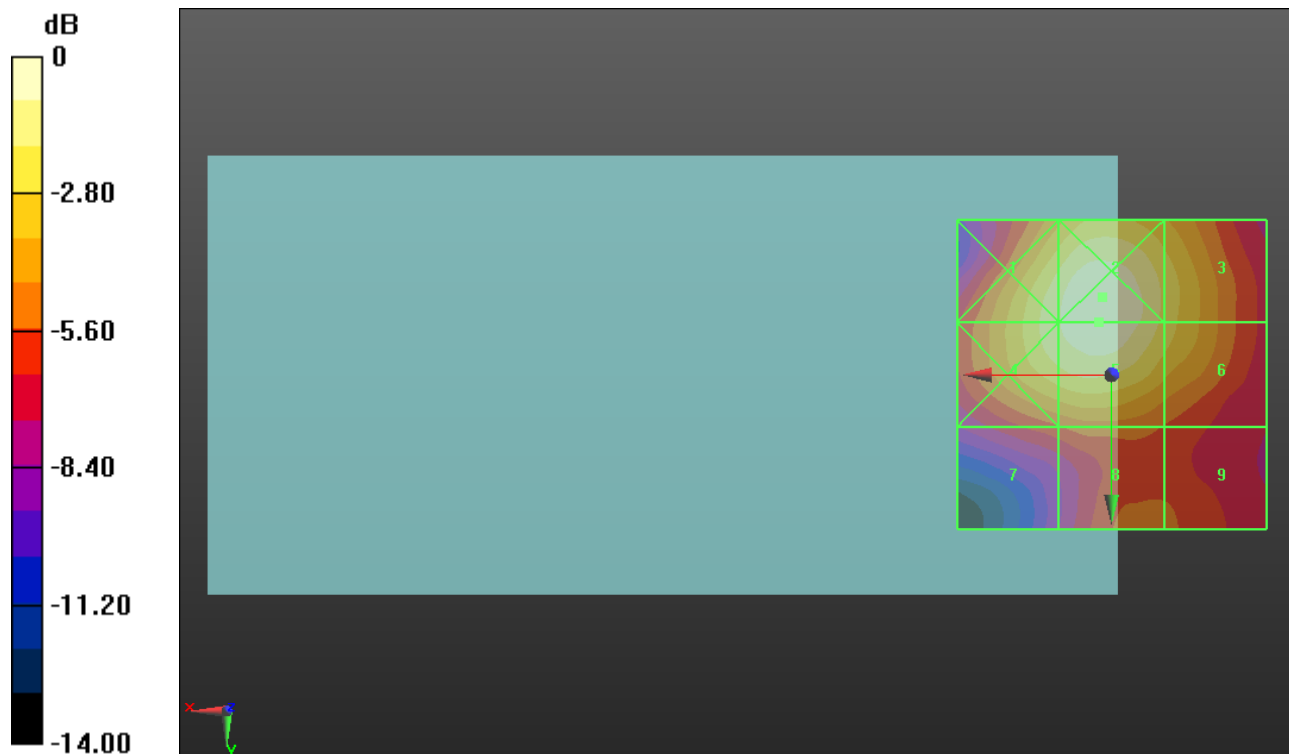
Applied MIF = -1.44 dB

RF audio interference level = 27.84 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>27 dBV/m</b>    | Grid 2 <b>M4</b><br><b>27.97 dBV/m</b> | Grid 3 <b>M4</b><br><b>25.95 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>26.99 dBV/m</b> | Grid 5 <b>M4</b><br><b>27.84 dBV/m</b> | Grid 6 <b>M4</b><br><b>25.8 dBV/m</b>  |
| Grid 7 <b>M4</b><br><b>22.27 dBV/m</b> | Grid 8 <b>M4</b><br><b>22.91 dBV/m</b> | Grid 9 <b>M4</b><br><b>22.63 dBV/m</b> |



0 dB = 25.05 V/m = 27.98 dBV/m

## HAC-RF Emission ANT2

Communication System: UID 10173 - CAG, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 2593 MHz; Duty Cycle: 1:8.87156

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1) @ 2593 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)

### LTE Band 41\_E-Field measurement/SC-FDMA RB 1/49 20 MHz 16QAM Ch.

**40620/Hearing Aid Compatibility Test (101x101x1):** Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 37.45 V/m; Power Drift = -0.02 dB

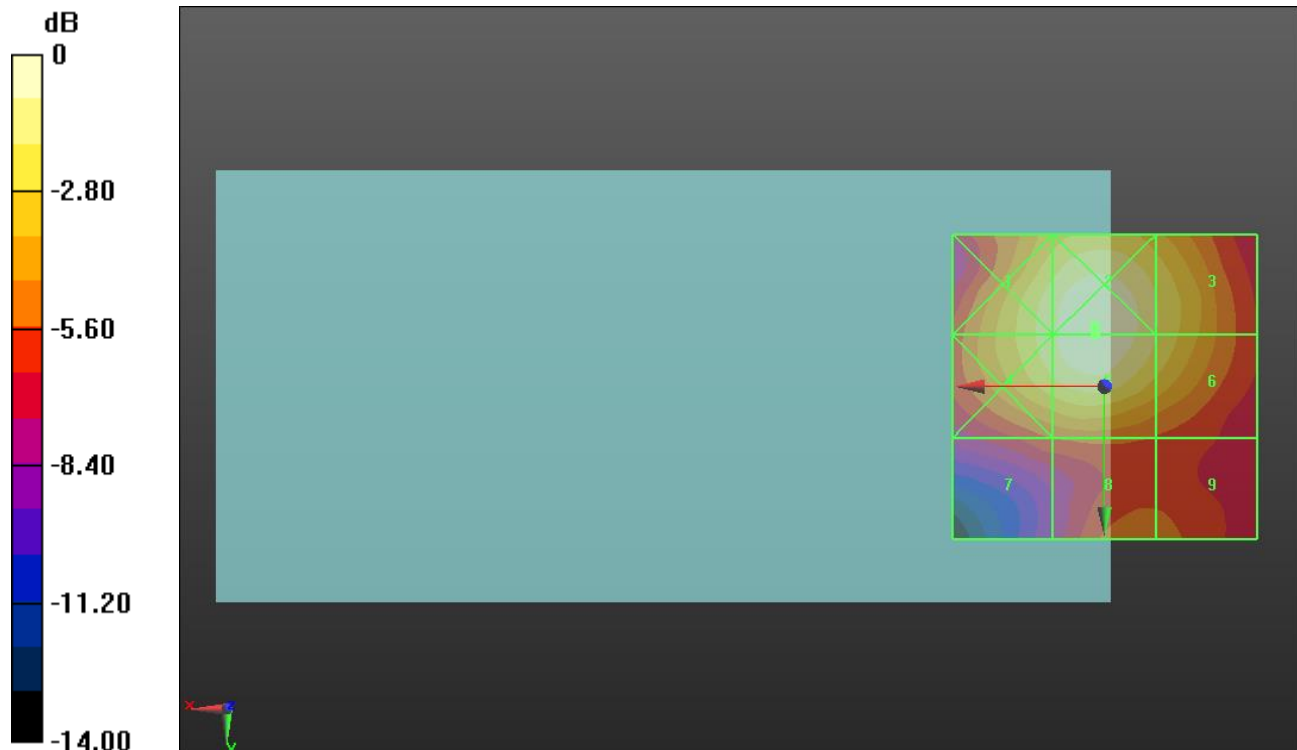
Applied MIF = -1.44 dB

RF audio interference level = 27.68 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>26.62 dBV/m</b> | Grid 2 <b>M4</b><br><b>27.72 dBV/m</b> | Grid 3 <b>M4</b><br><b>25.98 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>26.61 dBV/m</b> | Grid 5 <b>M4</b><br><b>27.68 dBV/m</b> | Grid 6 <b>M4</b><br><b>25.87 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>22.16 dBV/m</b> | Grid 8 <b>M4</b><br><b>22.62 dBV/m</b> | Grid 9 <b>M4</b><br><b>22.5 dBV/m</b>  |



0 dB = 24.32 V/m = 27.72 dBV/m

## HAC-RF Emission ANT2

Communication System: UID 10173 - CAG, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 2636.5 MHz; Duty Cycle: 1:8.87156

Dasy Configuration:

- Phantom section: RF Section
- Electronics: DAE4 Sn1434; Calibrated: 11/11/2021
- Probe: EF3DV3 - SN4028; Calibrated: 8/13/2021
- Sensor-Surface: (Fix Surface)
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB; Serial: 1155
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7495)

### LTE Band 41\_E-Field measurement/SC-FDMA RB 1/49 20 MHz 16QAM Ch.

**41055/Hearing Aid Compatibility Test (101x101x1):** Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 38.07 V/m; Power Drift = 0.16 dB

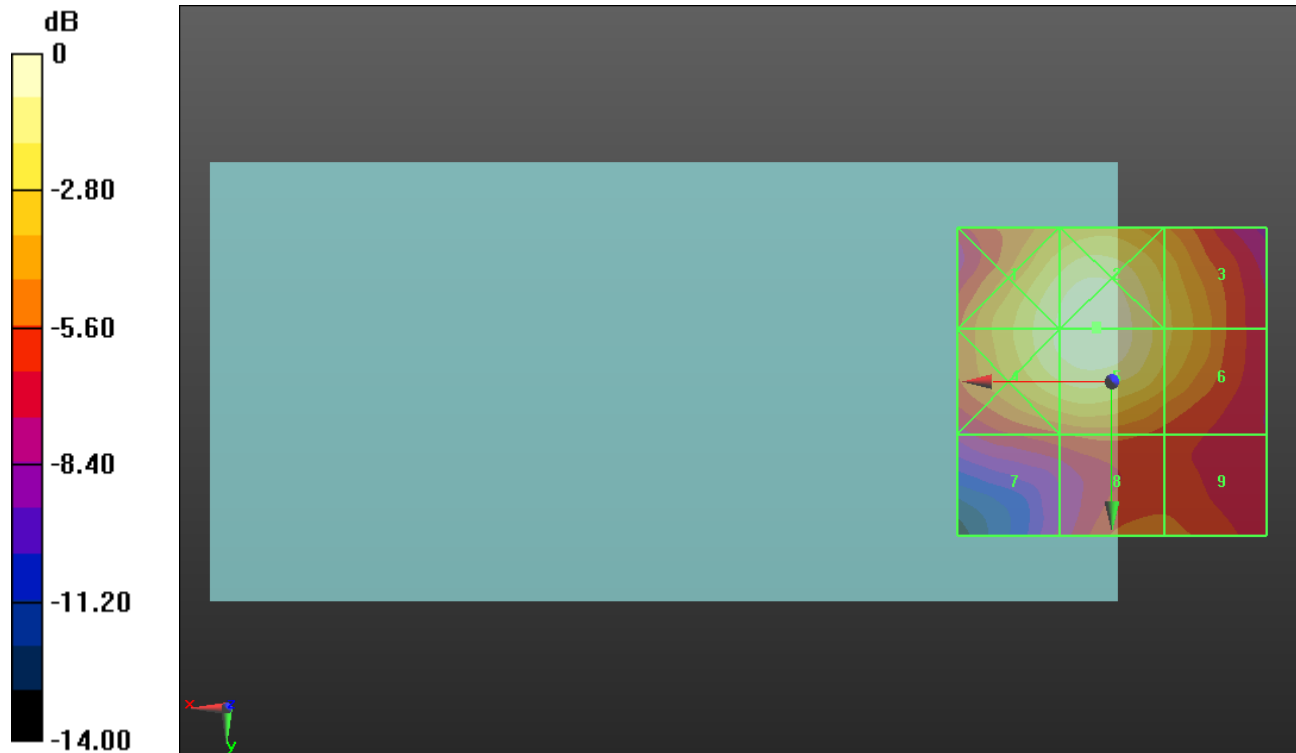
Applied MIF = -1.44 dB

RF audio interference level = 27.67 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>26.92 dBV/m</b> | Grid 2 <b>M4</b><br><b>27.67 dBV/m</b> | Grid 3 <b>M4</b><br><b>25.24 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>26.94 dBV/m</b> | Grid 5 <b>M4</b><br><b>27.67 dBV/m</b> | Grid 6 <b>M4</b><br><b>25.24 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>22 dBV/m</b>    | Grid 8 <b>M4</b><br><b>22.49 dBV/m</b> | Grid 9 <b>M4</b><br><b>22.4 dBV/m</b>  |



0 dB = 24.17 V/m = 27.67 dBV/m

## HAC-RF Emission ANT2

Communication System: UID 10173 - CAG, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 2680 MHz; Duty Cycle: 1:8.87156

Dasy Configuration:

- Phantom section: RF Section
- Electronics: DAE4 Sn1434; Calibrated: 11/11/2021
- Probe: EF3DV3 - SN4028; Calibrated: 8/13/2021
- Sensor-Surface: (Fix Surface)
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB; Serial: 1155
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7495)

### LTE Band 41\_E-Field measurement/SC-FDMA RB 1/49 20 MHz 16QAM Ch.

**41490/Hearing Aid Compatibility Test (101x101x1):** Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 37.53 V/m; Power Drift = -0.04 dB

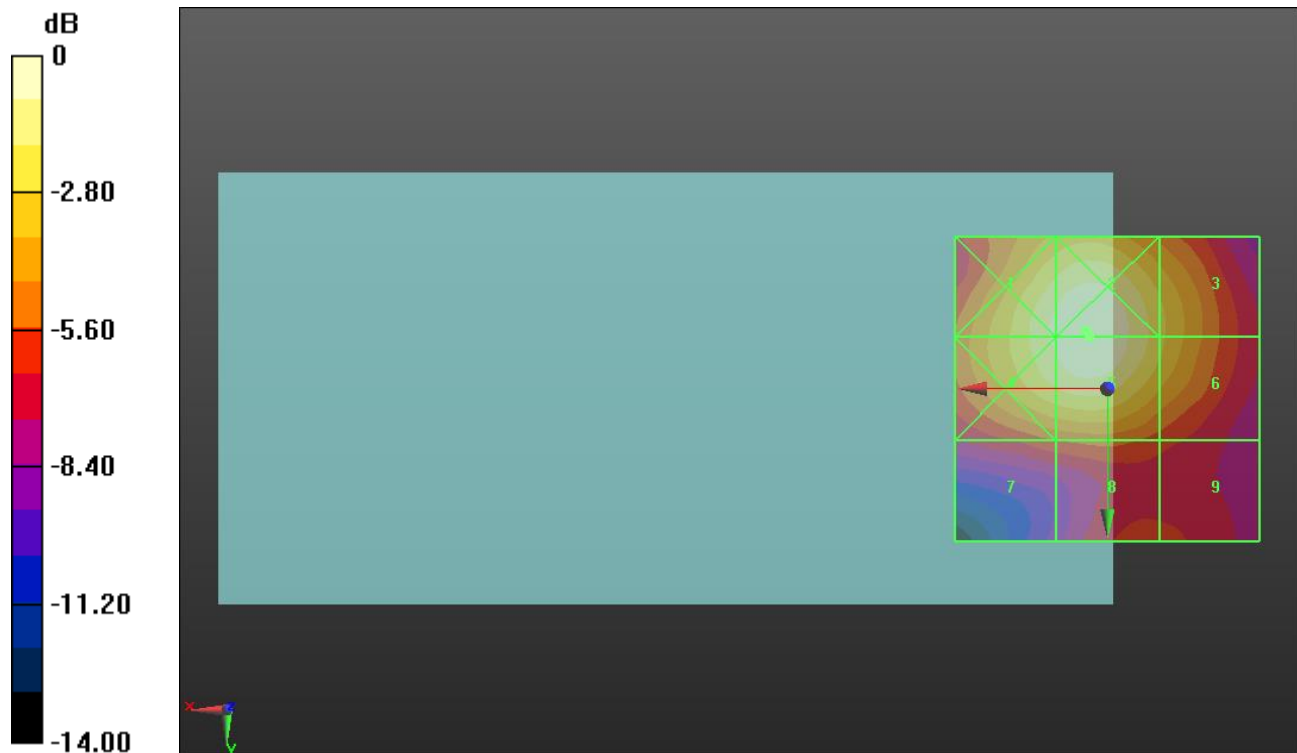
Applied MIF = -1.44 dB

RF audio interference level = 27.64 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>26.98 dBV/m</b> | Grid 2 <b>M4</b><br><b>27.65 dBV/m</b> | Grid 3 <b>M4</b><br><b>25.19 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>26.96 dBV/m</b> | Grid 5 <b>M4</b><br><b>27.64 dBV/m</b> | Grid 6 <b>M4</b><br><b>25.17 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>22.06 dBV/m</b> | Grid 8 <b>M4</b><br><b>22.45 dBV/m</b> | Grid 9 <b>M4</b><br><b>21.6 dBV/m</b>  |



0 dB = 24.13 V/m = 27.65 dBV/m

## HAC-RF Emission ANT2

Communication System: UID 10173 - CAG, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 2506 MHz; Duty Cycle: 1:8.87156

Dasy Configuration:

- Phantom section: RF Section
- Electronics: DAE4 Sn1434; Calibrated: 11/11/2021
- Probe: EF3DV3 - SN4028; Calibrated: 8/13/2021
- Sensor-Surface: (Fix Surface)
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB; Serial: 1155
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7495)

**LTE Band 41\_Power Class 2 E-Field measurement/SC-FDMA RB 1/49 20 MHz 16QAM**  
**Ch. 39750/Hearing Aid Compatibility Test (101x101x1):** Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 29.85 V/m; Power Drift = 0.09 dB

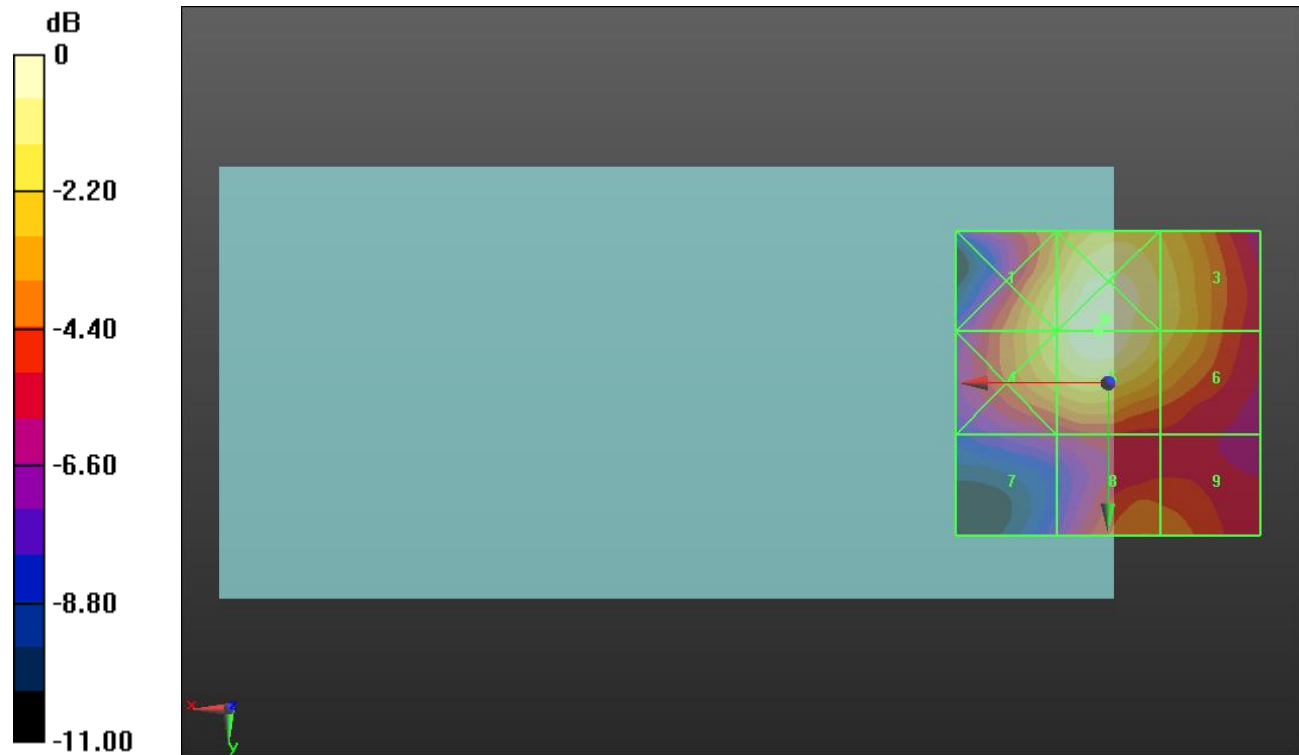
Applied MIF = -1.44 dB

RF audio interference level = 25.79 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>24.61 dBV/m</b> | Grid 2 <b>M4</b><br><b>25.85 dBV/m</b> | Grid 3 <b>M4</b><br><b>24.42 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>24.61 dBV/m</b> | Grid 5 <b>M4</b><br><b>25.79 dBV/m</b> | Grid 6 <b>M4</b><br><b>24.21 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>19.92 dBV/m</b> | Grid 8 <b>M4</b><br><b>22.24 dBV/m</b> | Grid 9 <b>M4</b><br><b>22.04 dBV/m</b> |



0 dB = 19.62 V/m = 25.85 dBV/m

## HAC-RF Emission ANT2

Communication System: UID 10173 - CAG, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 2549.5 MHz; Duty Cycle: 1:8.87156

Dasy Configuration:

- Phantom section: RF Section
- Electronics: DAE4 Sn1434; Calibrated: 11/11/2021
- Probe: EF3DV3 - SN4028; Calibrated: 8/13/2021
- Sensor-Surface: (Fix Surface)
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB; Serial: 1155
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7495)

**LTE Band 41\_Power Class 2 E-Field measurement/SC-FDMA RB 1/49 20 MHz 16QAM**  
**Ch. 40185/Hearing Aid Compatibility Test (101x101x1):** Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 35.23 V/m; Power Drift = 0.07 dB

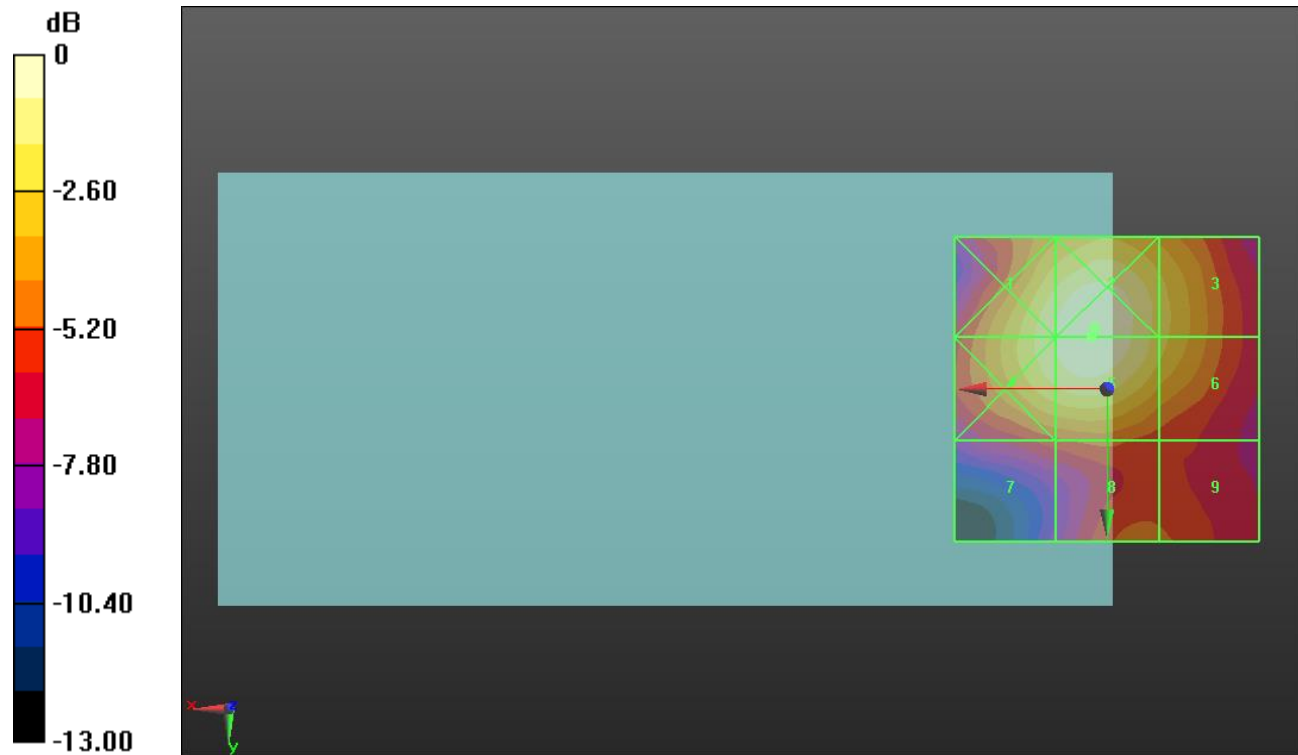
Applied MIF = -1.44 dB

RF audio interference level = 27.14 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>26.37 dBV/m</b> | Grid 2 <b>M4</b><br><b>27.17 dBV/m</b> | Grid 3 <b>M4</b><br><b>25.14 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>26.37 dBV/m</b> | Grid 5 <b>M4</b><br><b>27.14 dBV/m</b> | Grid 6 <b>M4</b><br><b>25.04 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>21.72 dBV/m</b> | Grid 8 <b>M4</b><br><b>22.37 dBV/m</b> | Grid 9 <b>M4</b><br><b>22.19 dBV/m</b> |



0 dB = 22.83 V/m = 27.17 dBV/m

## HAC-RF Emission ANT2

Communication System: UID 10173 - CAG, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 2593 MHz; Duty Cycle: 1:8.87156

Dasy Configuration:

- Phantom section: RF Section
- Electronics: DAE4 Sn1434; Calibrated: 11/11/2021
- Probe: EF3DV3 - SN4028; Calibrated: 8/13/2021
- Sensor-Surface: (Fix Surface)
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB; Serial: 1155
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7495)

**LTE Band 41\_Power Class 2 E-Field measurement/SC-FDMA RB 1/49 20 MHz 16QAM**  
**Ch. 40620/Hearing Aid Compatibility Test (101x101x1):** Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 37.01 V/m; Power Drift = 0.13 dB

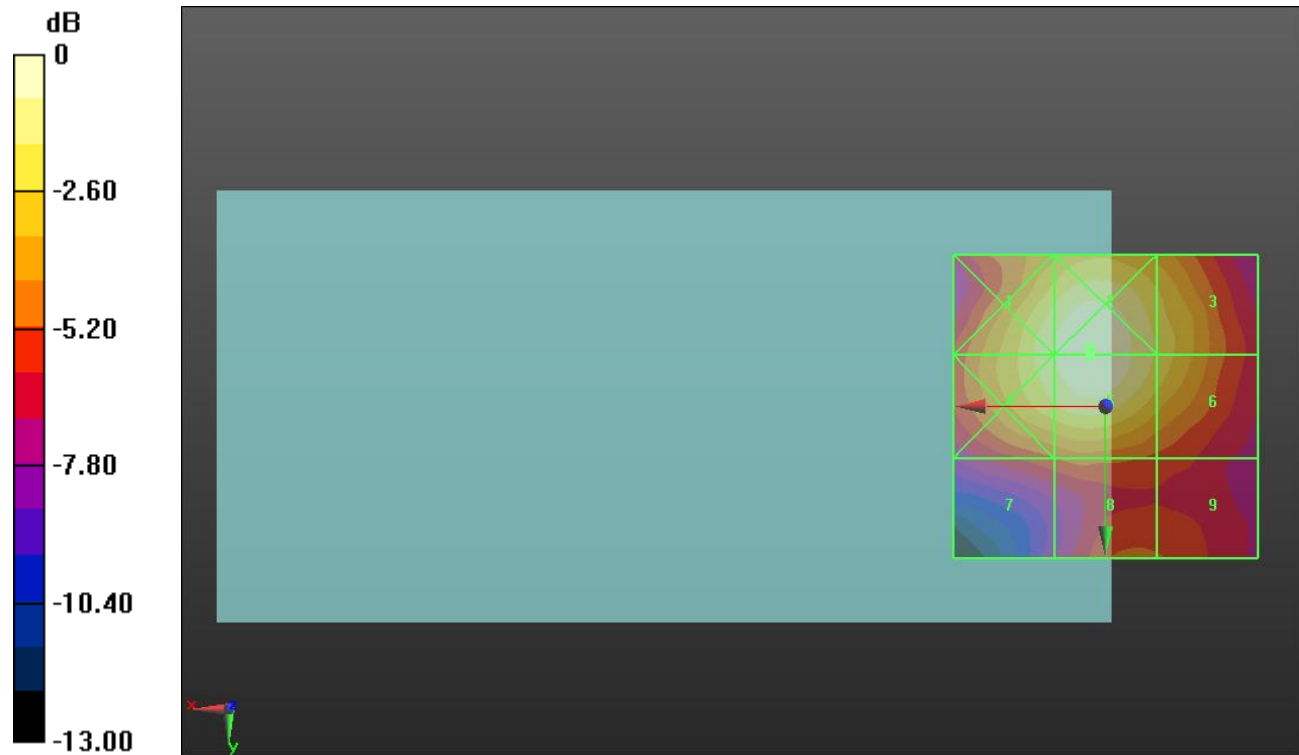
Applied MIF = -1.44 dB

RF audio interference level = 27.46 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>26.66 dBV/m</b> | Grid 2 <b>M4</b><br><b>27.48 dBV/m</b> | Grid 3 <b>M4</b><br><b>25.63 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>26.64 dBV/m</b> | Grid 5 <b>M4</b><br><b>27.46 dBV/m</b> | Grid 6 <b>M4</b><br><b>25.59 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>22.26 dBV/m</b> | Grid 8 <b>M4</b><br><b>22.73 dBV/m</b> | Grid 9 <b>M4</b><br><b>22.43 dBV/m</b> |



0 dB = 23.67 V/m = 27.48 dBV/m

## HAC-RF Emission ANT2

Communication System: UID 10173 - CAG, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 2636.5 MHz; Duty Cycle: 1:8.87156

Dasy Configuration:

- Phantom section: RF Section
- Electronics: DAE4 Sn1434; Calibrated: 11/11/2021
- Probe: EF3DV3 - SN4028; Calibrated: 8/13/2021
- Sensor-Surface: (Fix Surface)
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB; Serial: 1155
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7495)

**LTE Band 41\_Power Class 2 E-Field measurement/SC-FDMA RB 1/49 20 MHz 16QAM**  
**Ch. 41055/Hearing Aid Compatibility Test (101x101x1):** Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 37.86 V/m; Power Drift = -0.08 dB

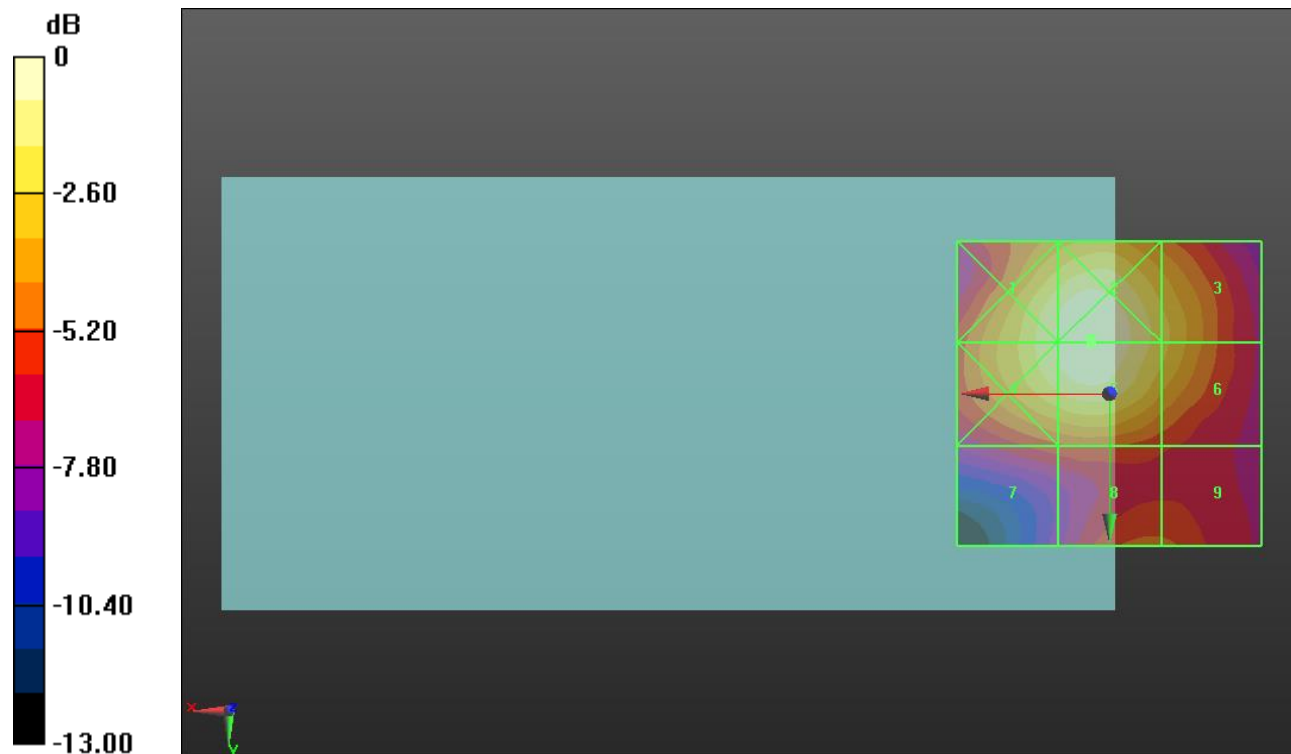
Applied MIF = -1.44 dB

RF audio interference level = 27.64 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>26.91 dBV/m</b> | Grid 2 <b>M4</b><br><b>27.64 dBV/m</b> | Grid 3 <b>M4</b><br><b>25.44 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>26.91 dBV/m</b> | Grid 5 <b>M4</b><br><b>27.64 dBV/m</b> | Grid 6 <b>M4</b><br><b>25.41 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>22.28 dBV/m</b> | Grid 8 <b>M4</b><br><b>22.78 dBV/m</b> | Grid 9 <b>M4</b><br><b>22.73 dBV/m</b> |



0 dB = 24.09 V/m = 27.64 dBV/m

## HAC-RF Emission ANT2

Communication System: UID 10173 - CAG, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 2680 MHz; Duty Cycle: 1:8.87156

Dasy Configuration:

- Phantom section: RF Section
- Electronics: DAE4 Sn1434; Calibrated: 11/11/2021
- Probe: EF3DV3 - SN4028; Calibrated: 8/13/2021
- Sensor-Surface: (Fix Surface)
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB; Serial: 1155
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7495)

**LTE Band 41\_Power Class 2 E-Field measurement/SC-FDMA RB 1/49 20 MHz 16QAM**  
**Ch. 41490/Hearing Aid Compatibility Test (101x101x1):** Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 37.32 V/m; Power Drift = -0.05 dB

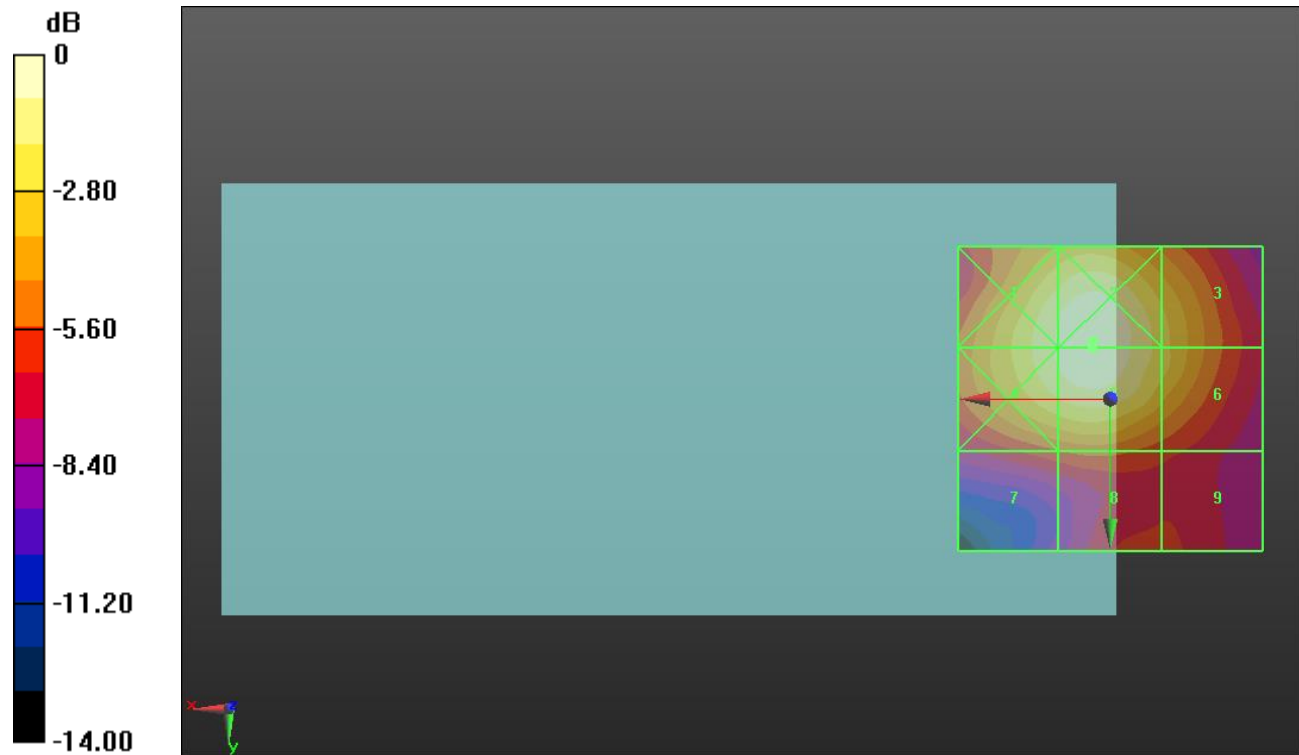
Applied MIF = -1.44 dB

RF audio interference level = 27.60 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>26.85 dBV/m</b> | Grid 2 <b>M4</b><br><b>27.61 dBV/m</b> | Grid 3 <b>M4</b><br><b>25.25 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>26.85 dBV/m</b> | Grid 5 <b>M4</b><br><b>27.6 dBV/m</b>  | Grid 6 <b>M4</b><br><b>25.25 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>21.98 dBV/m</b> | Grid 8 <b>M4</b><br><b>22.43 dBV/m</b> | Grid 9 <b>M4</b><br><b>21.51 dBV/m</b> |



0 dB = 24.02 V/m = 27.61 dBV/m

## HAC-RF Emission ANT2

Communication System: UID 10235 - CAG, LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM); Frequency: 2489.2 MHz; Duty Cycle: 1:8.8736

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1) @ 2489.2 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)

### LTE Band 53\_E-Field measurement/SC-FDMA RB 1/25 10 MHz 16QAM Ch.

**60197/Hearing Aid Compatibility Test (101x101x1):** Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 24.05 V/m; Power Drift = 0.04 dB

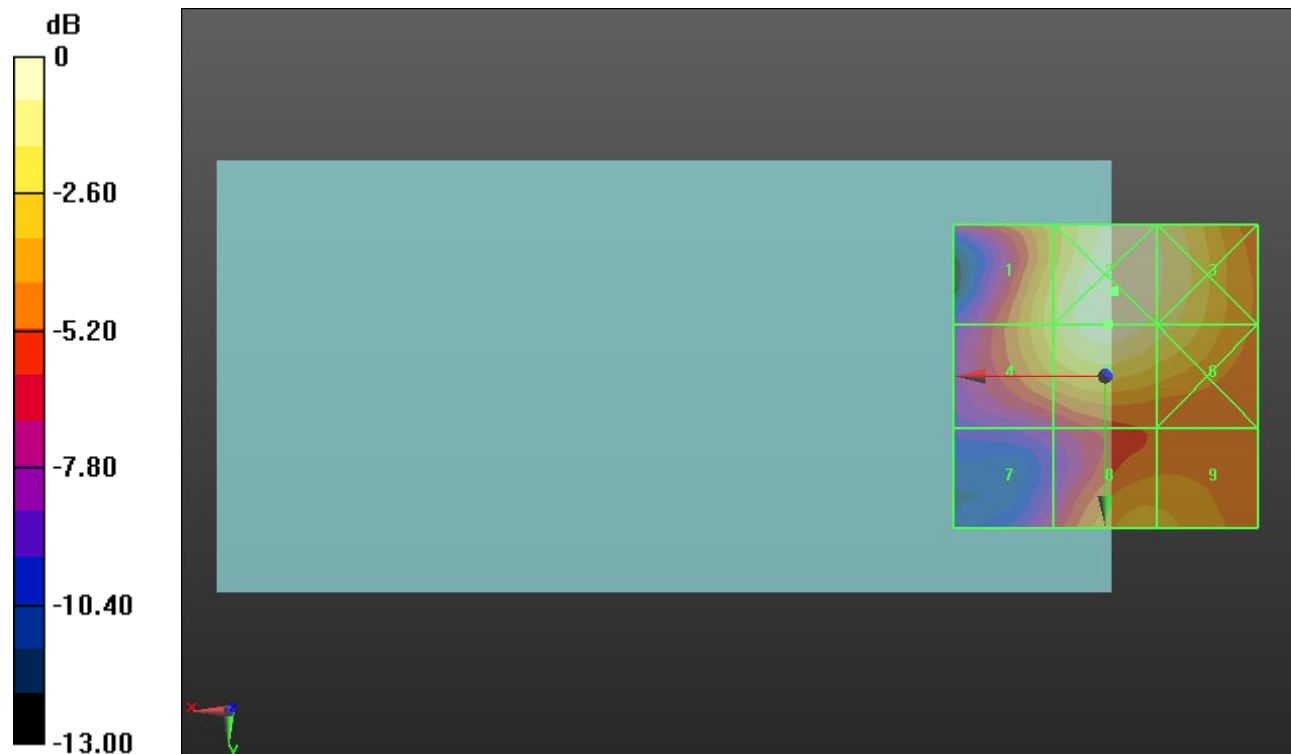
Applied MIF = -1.44 dB

RF audio interference level = 24.45 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>22.79 dBV/m</b> | Grid 2 <b>M4</b><br><b>24.74 dBV/m</b> | Grid 3 <b>M4</b><br><b>24.08 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>22.76 dBV/m</b> | Grid 5 <b>M4</b><br><b>24.45 dBV/m</b> | Grid 6 <b>M4</b><br><b>23.51 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>18.02 dBV/m</b> | Grid 8 <b>M4</b><br><b>21.72 dBV/m</b> | Grid 9 <b>M4</b><br><b>21.6 dBV/m</b>  |



0 dB = 17.26 V/m = 24.74 dBV/m

## HAC-RF Emission ANT3

Communication System: UID 10021 - DAC, GSM-FDD (TDMA, GMSK); Frequency: 1850.2 MHz; Duty Cycle: 1:8.6896

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1) @ 1850.2 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)

## GSM1900 E-Field measurement/Voice\_ch 512/Hearing Aid Compatibility Test

**(101x101x1):** Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 16.53 V/m; Power Drift = 0.04 dB

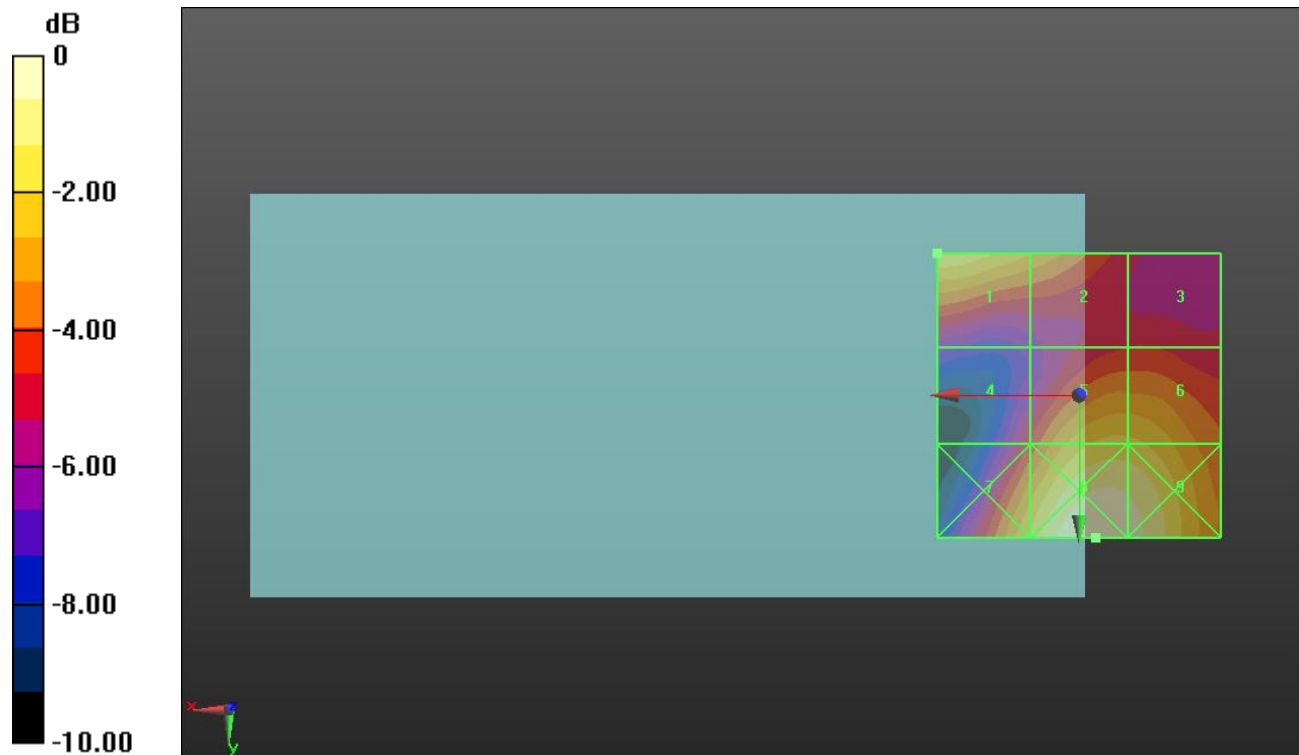
Applied MIF = 3.63 dB

RF audio interference level = 28.36 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>28.36 dBV/m</b> | Grid 2 <b>M4</b><br><b>27.03 dBV/m</b> | Grid 3 <b>M4</b><br><b>25.05 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>25.19 dBV/m</b> | Grid 5 <b>M4</b><br><b>27.91 dBV/m</b> | Grid 6 <b>M4</b><br><b>27.86 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>27.91 dBV/m</b> | Grid 8 <b>M4</b><br><b>29.66 dBV/m</b> | Grid 9 <b>M4</b><br><b>29.36 dBV/m</b> |



0 dB = 30.41 V/m = 29.66 dBV/m

## HAC-RF Emission ANT3

Communication System: UID 10021 - DAC, GSM-FDD (TDMA, GMSK); Frequency: 1880 MHz; Duty Cycle: 1:8.6896

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)

## GSM1900 E-Field measurement/Voice\_ch 661/Hearing Aid Compatibility Test

**(101x101x1):** Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 15.62 V/m; Power Drift = -0.09 dB

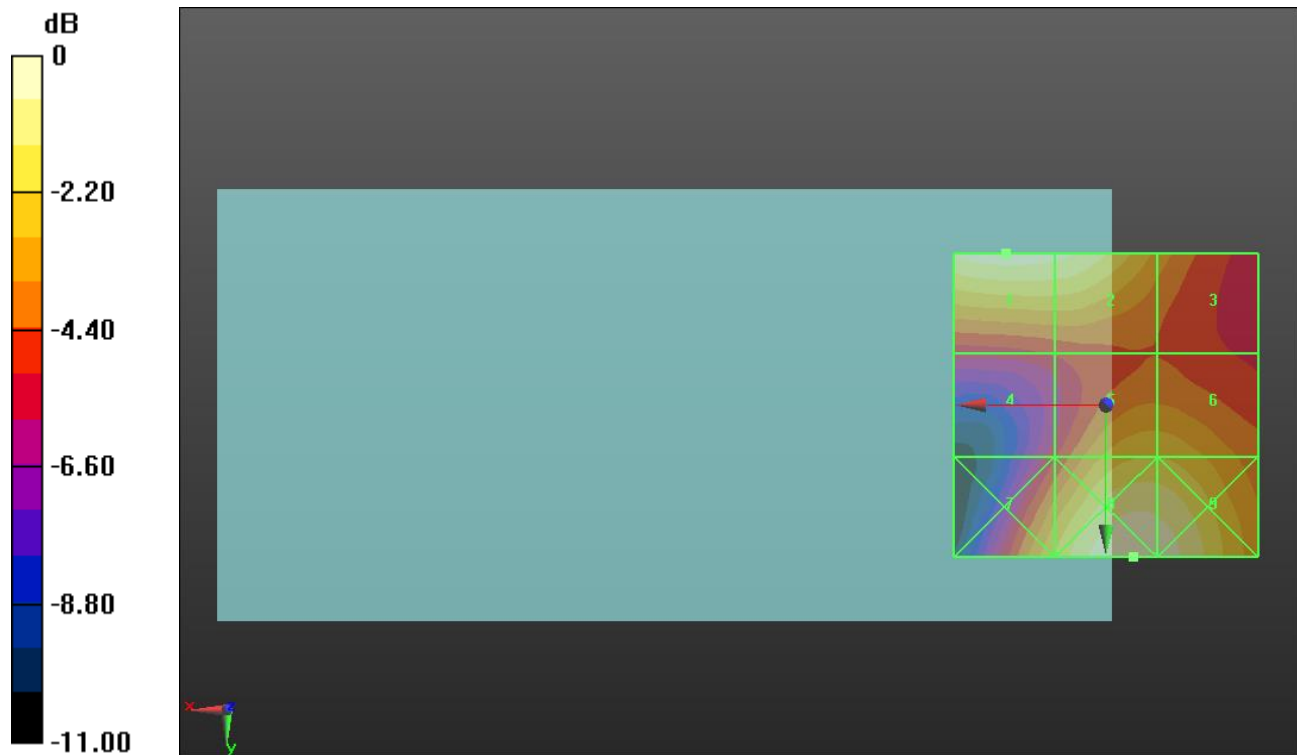
Applied MIF = 3.63 dB

RF audio interference level = 29.28 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>29.28 dBV/m</b> | Grid 2 <b>M4</b><br><b>29.03 dBV/m</b> | Grid 3 <b>M4</b><br><b>26.32 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>24.5 dBV/m</b>  | Grid 5 <b>M4</b><br><b>27.32 dBV/m</b> | Grid 6 <b>M4</b><br><b>27.3 dBV/m</b>  |
| Grid 7 <b>M4</b><br><b>27.43 dBV/m</b> | Grid 8 <b>M4</b><br><b>29.49 dBV/m</b> | Grid 9 <b>M4</b><br><b>29.25 dBV/m</b> |



0 dB = 29.80 V/m = 29.48 dBV/m

## HAC-RF Emission ANT3

Communication System: UID 10021 - DAC, GSM-FDD (TDMA, GMSK); Frequency: 1909.8 MHz; Duty Cycle: 1:8.6896

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1) @ 1909.8 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)

## GSM1900 E-Field measurement/Voice\_ch 810/Hearing Aid Compatibility Test

**(101x101x1):** Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 18.15 V/m; Power Drift = -0.03 dB

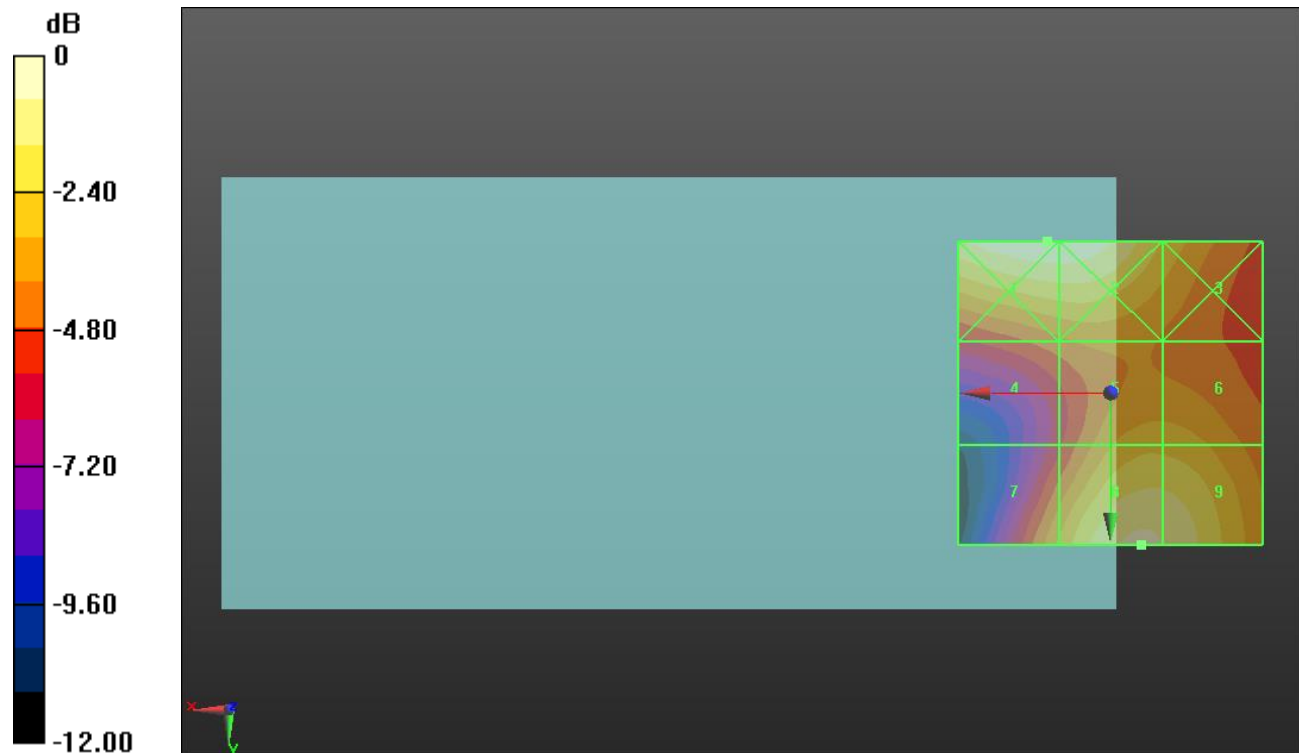
Applied MIF = 3.63 dB

RF audio interference level = 30.19 dBV/m

**Emission category: M3**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M3</b><br><b>30.79 dBV/m</b> | Grid 2 <b>M3</b><br><b>30.77 dBV/m</b> | Grid 3 <b>M4</b><br><b>28.36 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>26.58 dBV/m</b> | Grid 5 <b>M4</b><br><b>28.18 dBV/m</b> | Grid 6 <b>M4</b><br><b>28.16 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>27.77 dBV/m</b> | Grid 8 <b>M3</b><br><b>30.19 dBV/m</b> | Grid 9 <b>M3</b><br><b>30.01 dBV/m</b> |



0 dB = 34.62 V/m = 30.79 dBV/m

## HAC-RF Emission ANT3

Communication System: UID 10173 - CAG, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 2506 MHz; Duty Cycle: 1:8.87156

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1) @ 2506 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)

### LTE Band 41\_E-Field measurement/SC-FDMA RB 1/49 20 MHz 16QAM Ch.

**39750/Hearing Aid Compatibility Test (101x101x1):** Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 30.72 V/m; Power Drift = -0.12 dB

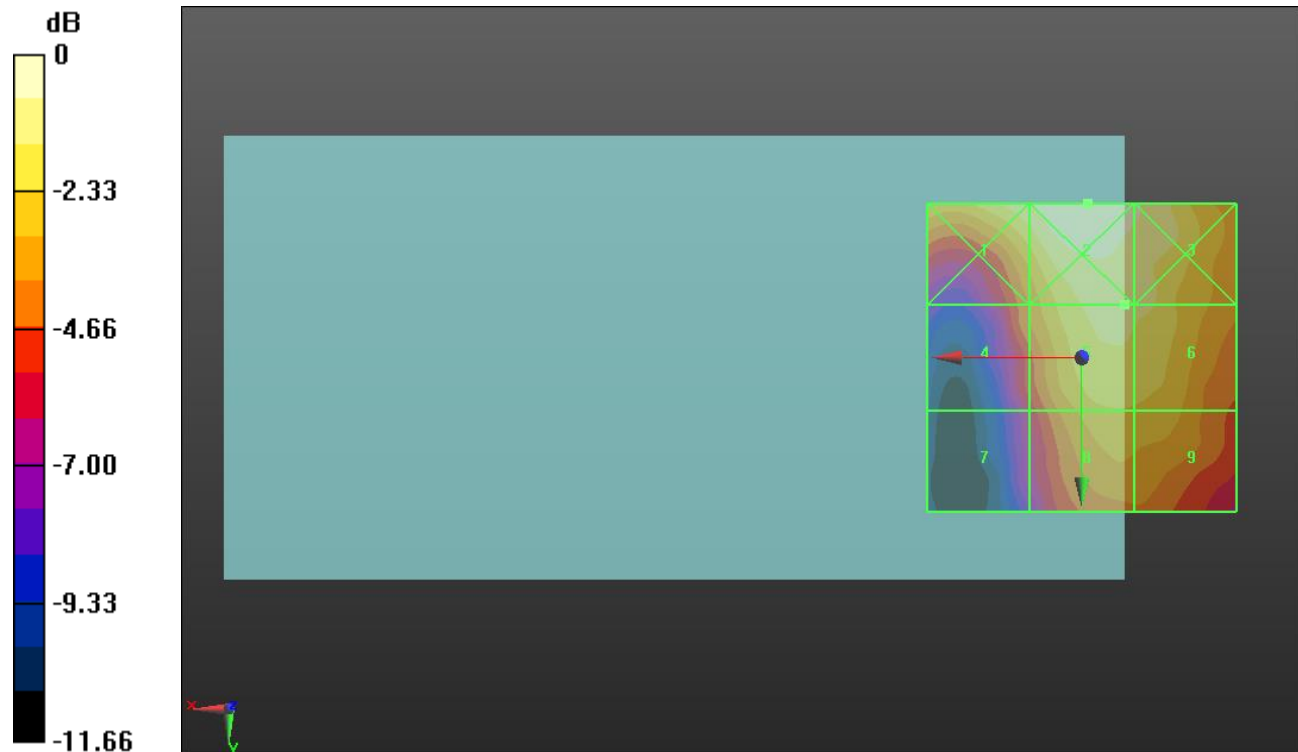
Applied MIF = -1.44 dB

RF audio interference level = 26.78 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>27.08 dBV/m</b> | Grid 2 <b>M4</b><br><b>27.89 dBV/m</b> | Grid 3 <b>M4</b><br><b>27.3 dBV/m</b>  |
| Grid 4 <b>M4</b><br><b>24.13 dBV/m</b> | Grid 5 <b>M4</b><br><b>26.78 dBV/m</b> | Grid 6 <b>M4</b><br><b>26.77 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>21.92 dBV/m</b> | Grid 8 <b>M4</b><br><b>25.52 dBV/m</b> | Grid 9 <b>M4</b><br><b>25.46 dBV/m</b> |



0 dB = 24.81 V/m = 27.89 dBV/m

## HAC-RF Emission ANT3

Communication System: UID 10173 - CAG, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 2549.5 MHz; Duty Cycle: 1:8.87156

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1) @ 2549.5 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)

### LTE Band 41\_E-Field measurement/SC-FDMA RB 1/49 20 MHz 16QAM Ch.

**40185/Hearing Aid Compatibility Test (101x101x1):** Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 28.29 V/m; Power Drift = -0.09 dB

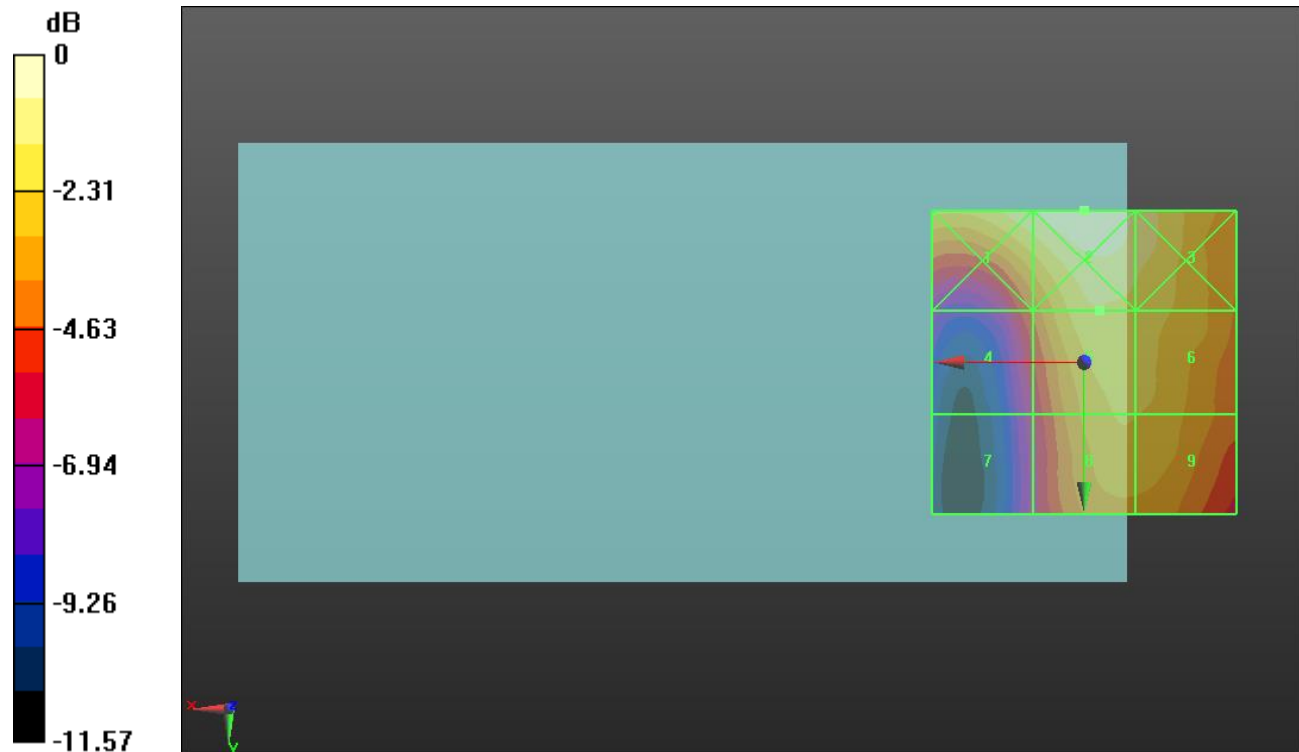
Applied MIF = -1.44 dB

RF audio interference level = 26.08 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>26.95 dBV/m</b> | Grid 2 <b>M4</b><br><b>27.66 dBV/m</b> | Grid 3 <b>M4</b><br><b>26.71 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>23.24 dBV/m</b> | Grid 5 <b>M4</b><br><b>26.08 dBV/m</b> | Grid 6 <b>M4</b><br><b>25.87 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>21.44 dBV/m</b> | Grid 8 <b>M4</b><br><b>25.42 dBV/m</b> | Grid 9 <b>M4</b><br><b>25.37 dBV/m</b> |



0 dB = 24.14 V/m = 27.65 dBV/m

## HAC-RF Emission ANT3

Communication System: UID 10173 - CAG, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 2593 MHz; Duty Cycle: 1:8.87156

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1) @ 2593 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)

### LTE Band 41\_E-Field measurement/SC-FDMA RB 1/49 20 MHz 16QAM Ch.

**40620/Hearing Aid Compatibility Test (101x101x1):** Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 26.26 V/m; Power Drift = 0.02 dB

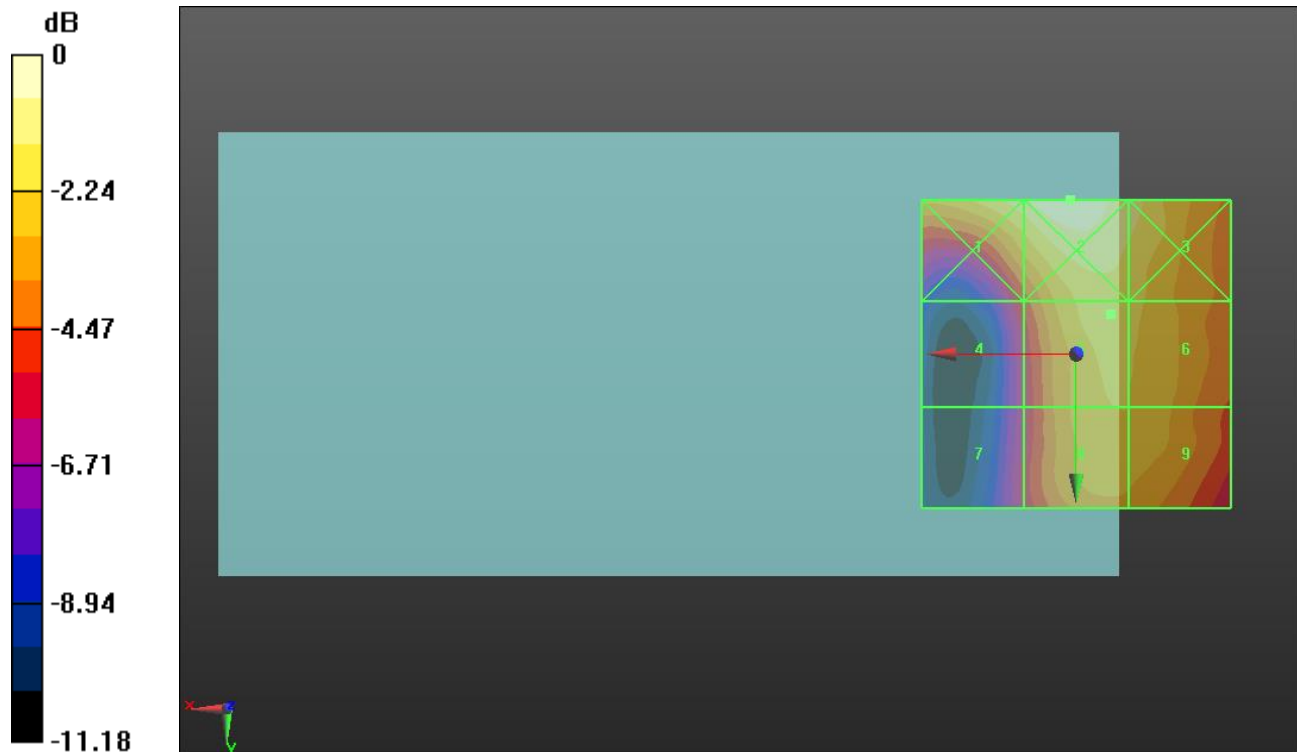
Applied MIF = -1.44 dB

RF audio interference level = 25.26 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>26.26 dBV/m</b> | Grid 2 <b>M4</b><br><b>27.13 dBV/m</b> | Grid 3 <b>M4</b><br><b>26.04 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>22.22 dBV/m</b> | Grid 5 <b>M4</b><br><b>25.26 dBV/m</b> | Grid 6 <b>M4</b><br><b>25.14 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>21.47 dBV/m</b> | Grid 8 <b>M4</b><br><b>24.92 dBV/m</b> | Grid 9 <b>M4</b><br><b>24.9 dBV/m</b>  |



0 dB = 22.73 V/m = 27.13 dBV/m

## HAC-RF Emission ANT3

Communication System: UID 10173 - CAG, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 2636.5 MHz; Duty Cycle: 1:8.87156

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1) @ 2636.5 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)

### LTE Band 41\_E-Field measurement/SC-FDMA RB 1/49 20 MHz 16QAM Ch.

**41055/Hearing Aid Compatibility Test (101x101x1):** Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 22.59 V/m; Power Drift = -0.05 dB

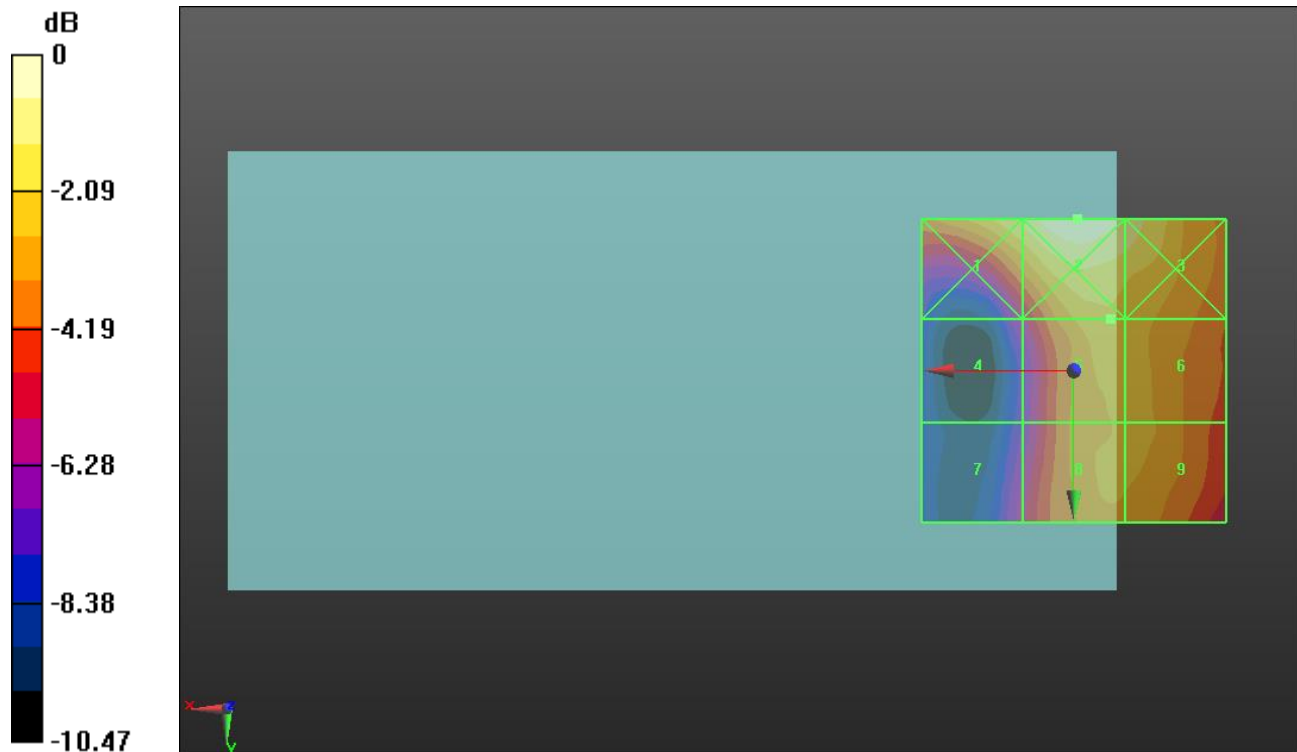
Applied MIF = -1.44 dB

RF audio interference level = 24.48 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>25.56 dBV/m</b> | Grid 2 <b>M4</b><br><b>26.72 dBV/m</b> | Grid 3 <b>M4</b><br><b>25.82 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>20.85 dBV/m</b> | Grid 5 <b>M4</b><br><b>24.48 dBV/m</b> | Grid 6 <b>M4</b><br><b>24.38 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>20.91 dBV/m</b> | Grid 8 <b>M4</b><br><b>24.12 dBV/m</b> | Grid 9 <b>M4</b><br><b>24.07 dBV/m</b> |



0 dB = 21.67 V/m = 26.72 dBV/m

## HAC-RF Emission ANT3

Communication System: UID 10173 - CAG, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 2680 MHz; Duty Cycle: 1:8.87156

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1) @ 2680 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)

### LTE Band 41\_E-Field measurement/SC-FDMA RB 1/49 20 MHz 16QAM Ch.

**41490/Hearing Aid Compatibility Test (101x101x1):** Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 18.05 V/m; Power Drift = -0.17 dB

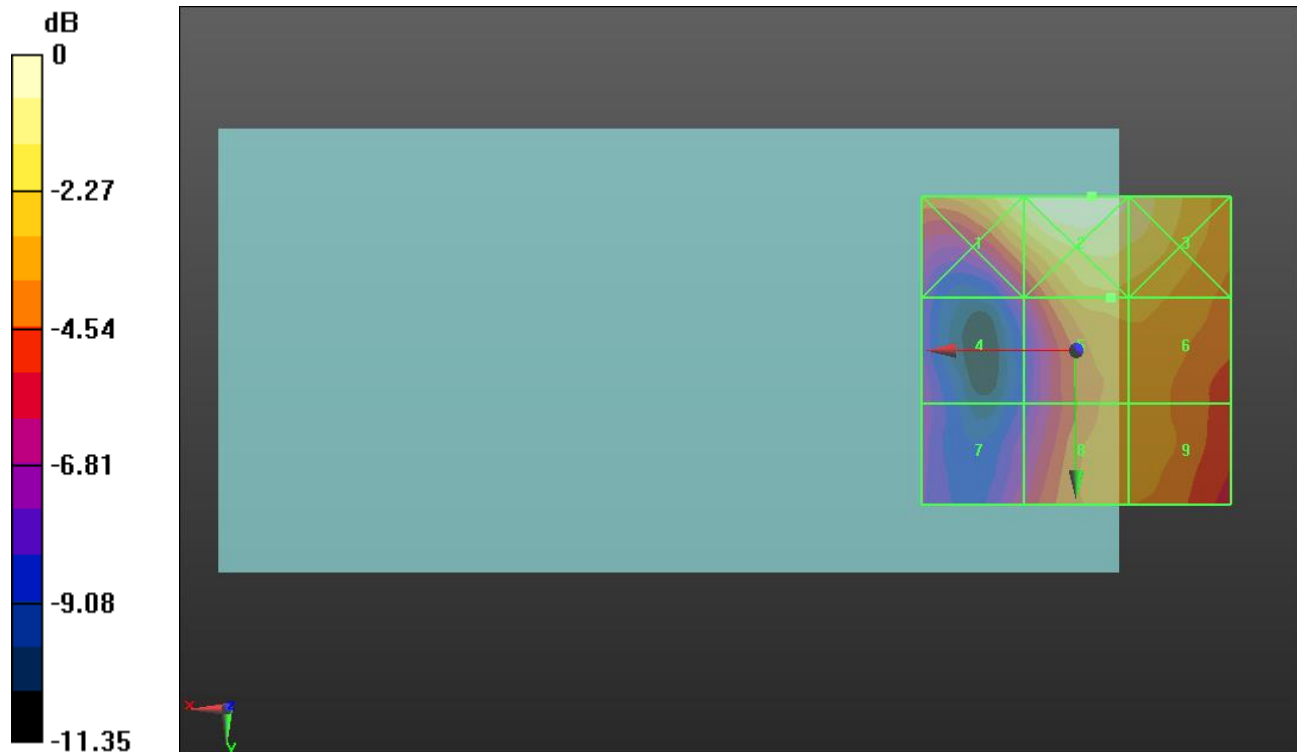
Applied MIF = -1.44 dB

RF audio interference level = 23.16 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>24.79 dBV/m</b> | Grid 2 <b>M4</b><br><b>25.63 dBV/m</b> | Grid 3 <b>M4</b><br><b>24.92 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>19.18 dBV/m</b> | Grid 5 <b>M4</b><br><b>23.16 dBV/m</b> | Grid 6 <b>M4</b><br><b>23.02 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>19.6 dBV/m</b>  | Grid 8 <b>M4</b><br><b>22.31 dBV/m</b> | Grid 9 <b>M4</b><br><b>22.3 dBV/m</b>  |



0 dB = 19.12 V/m = 25.63 dBV/m

## HAC-RF Emission ANT3

Communication System: UID 10173 - CAG, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 2506 MHz; Duty Cycle: 1:8.87156

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1) @ 2506 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)

### LTE Band 41\_Power Class 2 E-Field measurement/SC-FDMA RB 1/49 20 MHz 16QAM

**Ch. 39750/Hearing Aid Compatibility Test (101x101x1):** Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 30.80 V/m; Power Drift = 0.08 dB

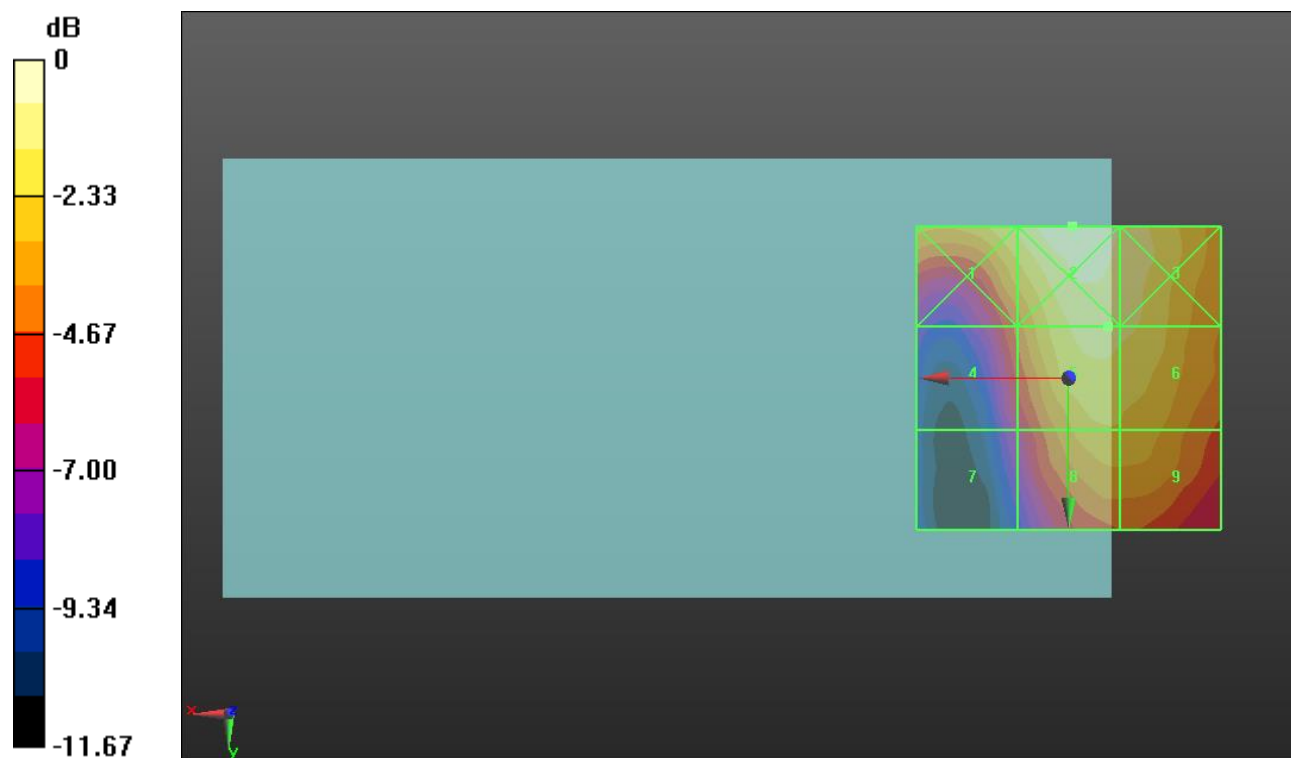
Applied MIF = -1.44 dB

RF audio interference level = 27.01 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>27.04 dBV/m</b> | Grid 2 <b>M4</b><br><b>28.31 dBV/m</b> | Grid 3 <b>M4</b><br><b>27.5 dBV/m</b>  |
| Grid 4 <b>M4</b><br><b>23.94 dBV/m</b> | Grid 5 <b>M4</b><br><b>27.01 dBV/m</b> | Grid 6 <b>M4</b><br><b>26.98 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>21.77 dBV/m</b> | Grid 8 <b>M4</b><br><b>25.92 dBV/m</b> | Grid 9 <b>M4</b><br><b>25.92 dBV/m</b> |



0 dB = 26.03 V/m = 28.31 dBV/m

## HAC-RF Emission ANT3

Communication System: UID 10173 - CAG, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 2549.5 MHz; Duty Cycle: 1:8.87156

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1) @ 2549.5 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)

### LTE Band 41\_Power Class 2 E-Field measurement/SC-FDMA RB 1/49 20 MHz 16QAM Ch. 40185/Hearing Aid Compatibility Test (101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 35.98 V/m; Power Drift = 0.10 dB

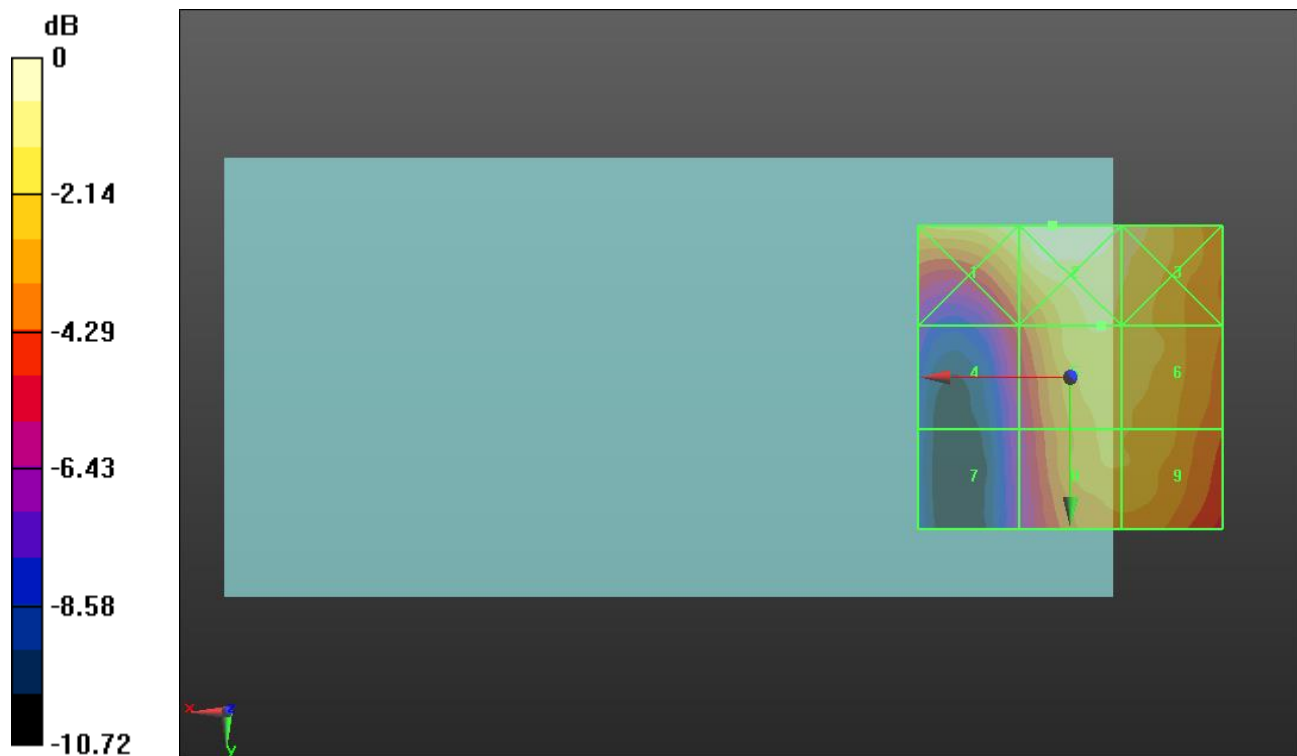
Applied MIF = -1.44 dB

RF audio interference level = 28.57 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>29.26 dBV/m</b> | Grid 2 <b>M4</b><br><b>29.92 dBV/m</b> | Grid 3 <b>M4</b><br><b>29.28 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>25.35 dBV/m</b> | Grid 5 <b>M4</b><br><b>28.57 dBV/m</b> | Grid 6 <b>M4</b><br><b>28.31 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>23.61 dBV/m</b> | Grid 8 <b>M4</b><br><b>27.92 dBV/m</b> | Grid 9 <b>M4</b><br><b>27.84 dBV/m</b> |



0 dB = 31.35 V/m = 29.92 dBV/m

## HAC-RF Emission ANT3

Communication System: UID 10173 - CAG, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 2593 MHz; Duty Cycle: 1:8.87156

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1) @ 2593 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)

### LTE Band 41\_Power Class 2 E-Field measurement/SC-FDMA RB 1/49 20 MHz 16QAM

**Ch. 40620/Hearing Aid Compatibility Test (101x101x1):** Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 32.49 V/m; Power Drift = -0.11 dB

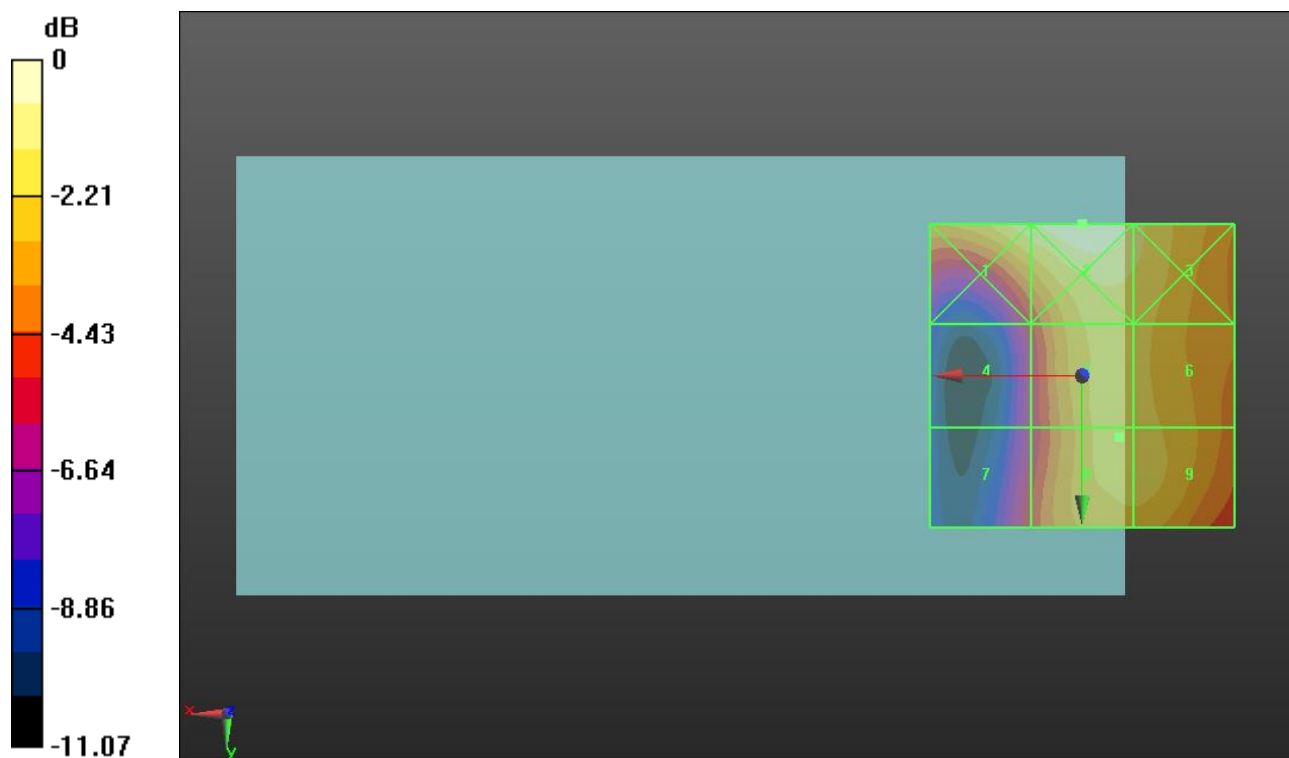
Applied MIF = -1.44 dB

RF audio interference level = 27.20 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>28.12 dBV/m</b> | Grid 2 <b>M4</b><br><b>28.94 dBV/m</b> | Grid 3 <b>M4</b><br><b>27.79 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>23.7 dBV/m</b>  | Grid 5 <b>M4</b><br><b>27.18 dBV/m</b> | Grid 6 <b>M4</b><br><b>27.05 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>23.81 dBV/m</b> | Grid 8 <b>M4</b><br><b>27.2 dBV/m</b>  | Grid 9 <b>M4</b><br><b>27.13 dBV/m</b> |



0 dB = 27.98 V/m = 28.94 dBV/m

## HAC-RF Emission ANT3

Communication System: UID 10173 - CAG, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 2636.5 MHz; Duty Cycle: 1:8.87156

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1) @ 2636.5 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)

## LTE Band 41\_Power Class 2 E-Field measurement/SC-FDMA RB 1/49 20 MHz 16QAM

**Ch. 41055/Hearing Aid Compatibility Test (101x101x1):** Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 26.95 V/m; Power Drift = -0.09 dB

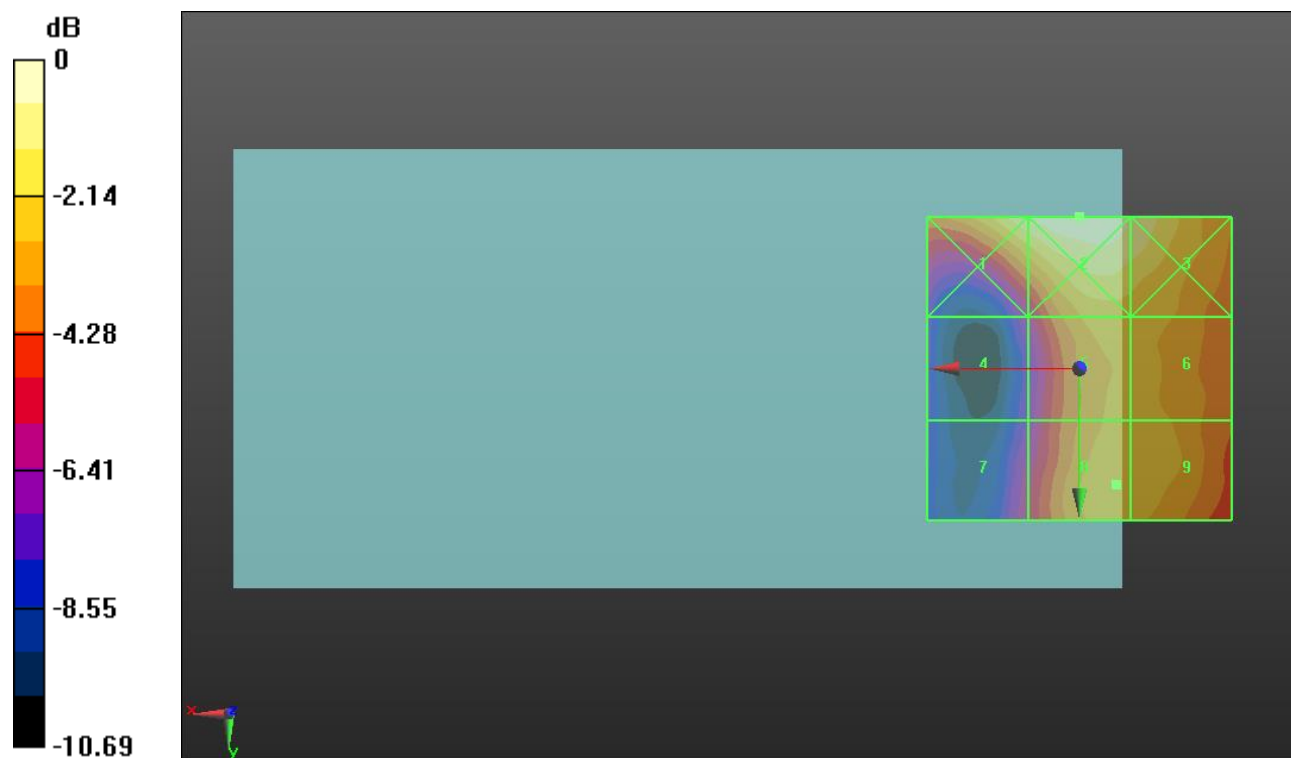
Applied MIF = -1.44 dB

RF audio interference level = 26.08 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>27.57 dBV/m</b> | Grid 2 <b>M4</b><br><b>28.24 dBV/m</b> | Grid 3 <b>M4</b><br><b>27.51 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>22.06 dBV/m</b> | Grid 5 <b>M4</b><br><b>25.83 dBV/m</b> | Grid 6 <b>M4</b><br><b>25.75 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>22.62 dBV/m</b> | Grid 8 <b>M4</b><br><b>26.08 dBV/m</b> | Grid 9 <b>M4</b><br><b>25.99 dBV/m</b> |



0 dB = 25.82 V/m = 28.24 dBV/m

## HAC-RF Emission ANT3

Communication System: UID 10173 - CAG, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 2680 MHz; Duty Cycle: 1:8.87156

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1) @ 2680 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)

### LTE Band 41\_Power Class 2 E-Field measurement/SC-FDMA RB 1/49 20 MHz 16QAM

**Ch. 41490/Hearing Aid Compatibility Test (101x101x1):** Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 20.37 V/m; Power Drift = -0.10 dB

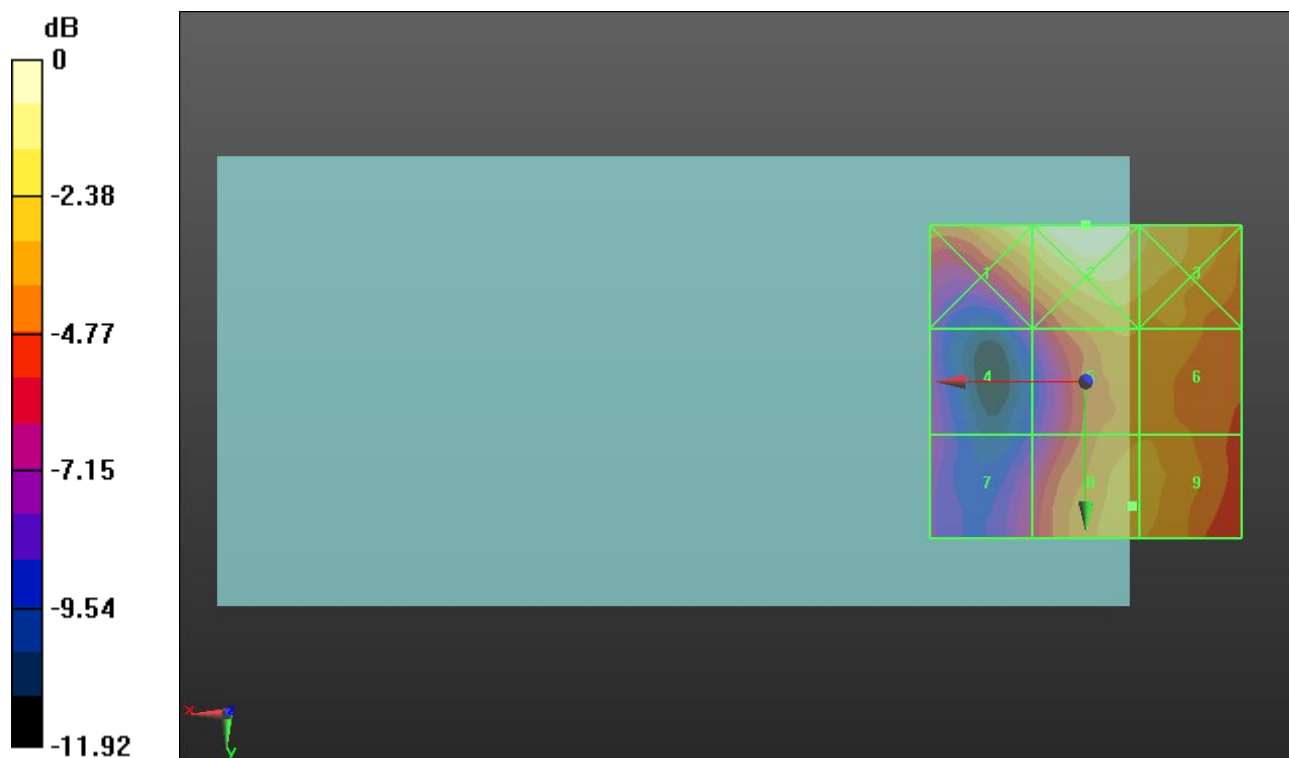
Applied MIF = -1.44 dB

RF audio interference level = 24.23 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>26.13 dBV/m</b> | Grid 2 <b>M4</b><br><b>27.16 dBV/m</b> | Grid 3 <b>M4</b><br><b>25.9 dBV/m</b>  |
| Grid 4 <b>M4</b><br><b>20.41 dBV/m</b> | Grid 5 <b>M4</b><br><b>24.18 dBV/m</b> | Grid 6 <b>M4</b><br><b>23.98 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>21.2 dBV/m</b>  | Grid 8 <b>M4</b><br><b>24.23 dBV/m</b> | Grid 9 <b>M4</b><br><b>24.22 dBV/m</b> |



0 dB = 22.80 V/m = 27.16 dBV/m

## HAC-RF Emission ANT3

Communication System: UID 10061 - CAB, IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps); Frequency: 2417 MHz; Duty Cycle: 1:2.29034

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1) @ 2417 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)

## 802.11b E-Field measurement/IEEE 802.11b\_OFDM 11 Mbps Ch. 2/Hearing Aid

**Compatibility Test (101x101x1):** Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 7.401 V/m; Power Drift = -0.18 dB

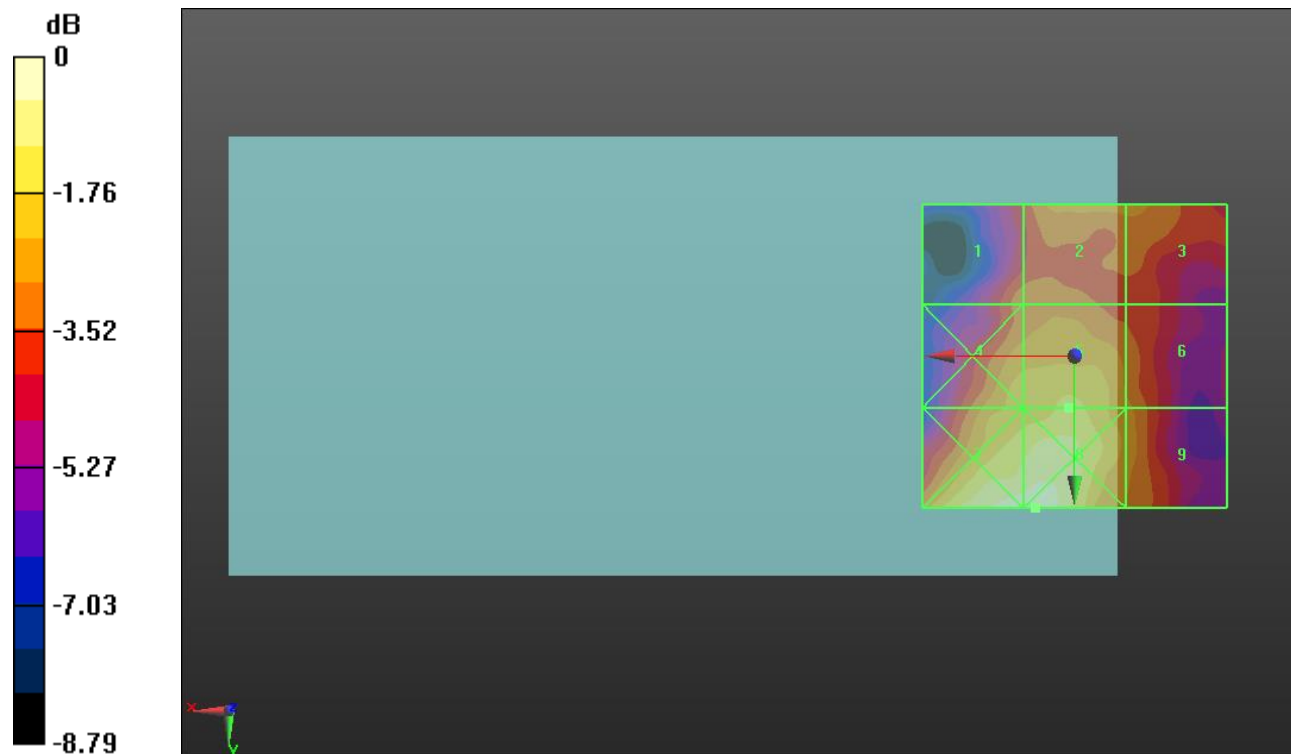
Applied MIF = -2.02 dB

RF audio interference level = 13.49 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>11.97 dBV/m</b> | Grid 2 <b>M4</b><br><b>12.49 dBV/m</b> | Grid 3 <b>M4</b><br><b>12.48 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>13.09 dBV/m</b> | Grid 5 <b>M4</b><br><b>13.49 dBV/m</b> | Grid 6 <b>M4</b><br><b>12.39 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>14.95 dBV/m</b> | Grid 8 <b>M4</b><br><b>15.1 dBV/m</b>  | Grid 9 <b>M4</b><br><b>12.6 dBV/m</b>  |



0 dB = 5.688 V/m = 15.10 dBV/m

## HAC-RF Emission ANT3

Communication System: UID 10061 - CAB, IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps); Frequency: 2437 MHz; Duty Cycle: 1:2.29034

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1) @ 2437 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)

## 802.11b E-Field measurement/IEEE 802.11b\_OFDM 11 Mbps Ch. 6/Hearing Aid Compatibility Test (101x101x1):

Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 9.425 V/m; Power Drift = -0.07 dB

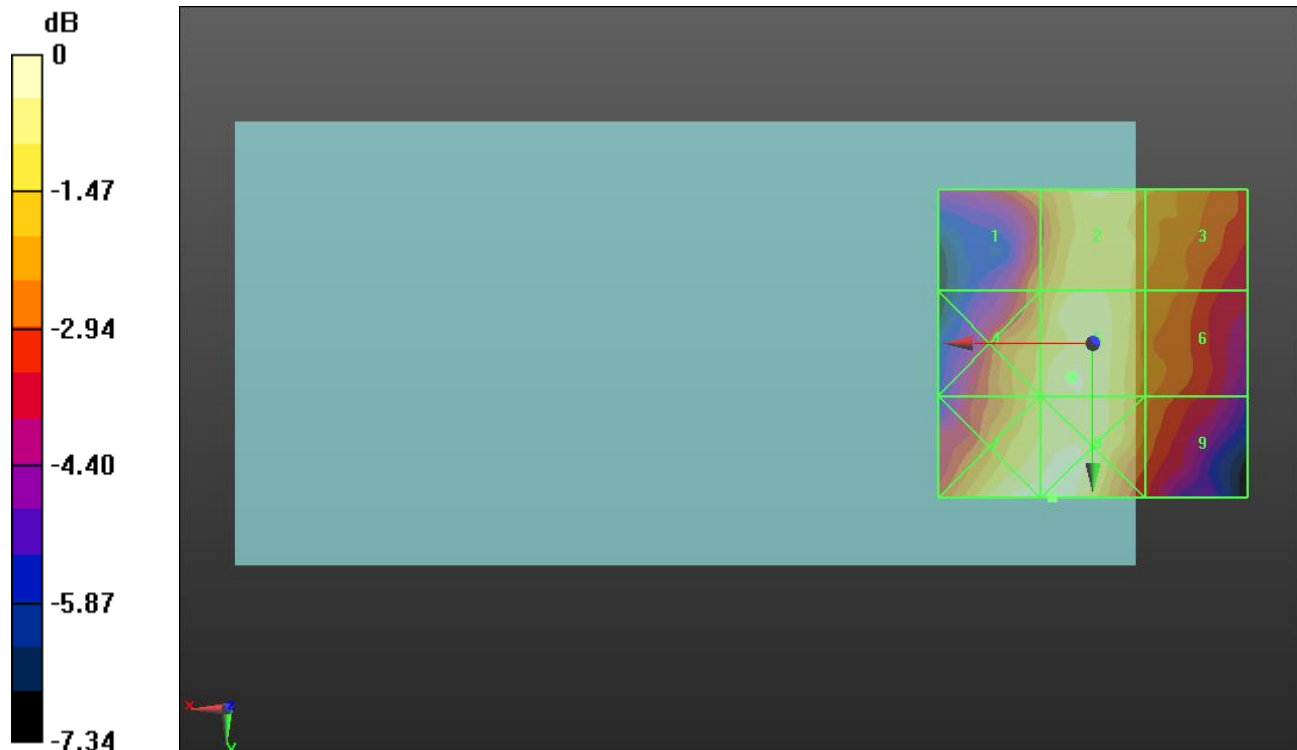
Applied MIF = -2.02 dB

RF audio interference level = 15.20 dBV/m

Emission category: **M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>13.68 dBV/m</b> | Grid 2 <b>M4</b><br><b>14.88 dBV/m</b> | Grid 3 <b>M4</b><br><b>14.34 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>14.56 dBV/m</b> | Grid 5 <b>M4</b><br><b>15.2 dBV/m</b>  | Grid 6 <b>M4</b><br><b>13.72 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>15.52 dBV/m</b> | Grid 8 <b>M4</b><br><b>15.65 dBV/m</b> | Grid 9 <b>M4</b><br><b>13.43 dBV/m</b> |



0 dB = 6.058 V/m = 15.65 dBV/m

## HAC-RF Emission ANT3

Communication System: UID 10061 - CAB, IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps); Frequency: 2462 MHz; Duty Cycle: 1:2.29034

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1) @ 2462 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)

## 802.11b E-Field measurement/IEEE 802.11b\_OFDM 11 Mbps Ch. 11/Hearing Aid Compatibility Test (101x101x1):

Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 7.443 V/m; Power Drift = 0.16 dB

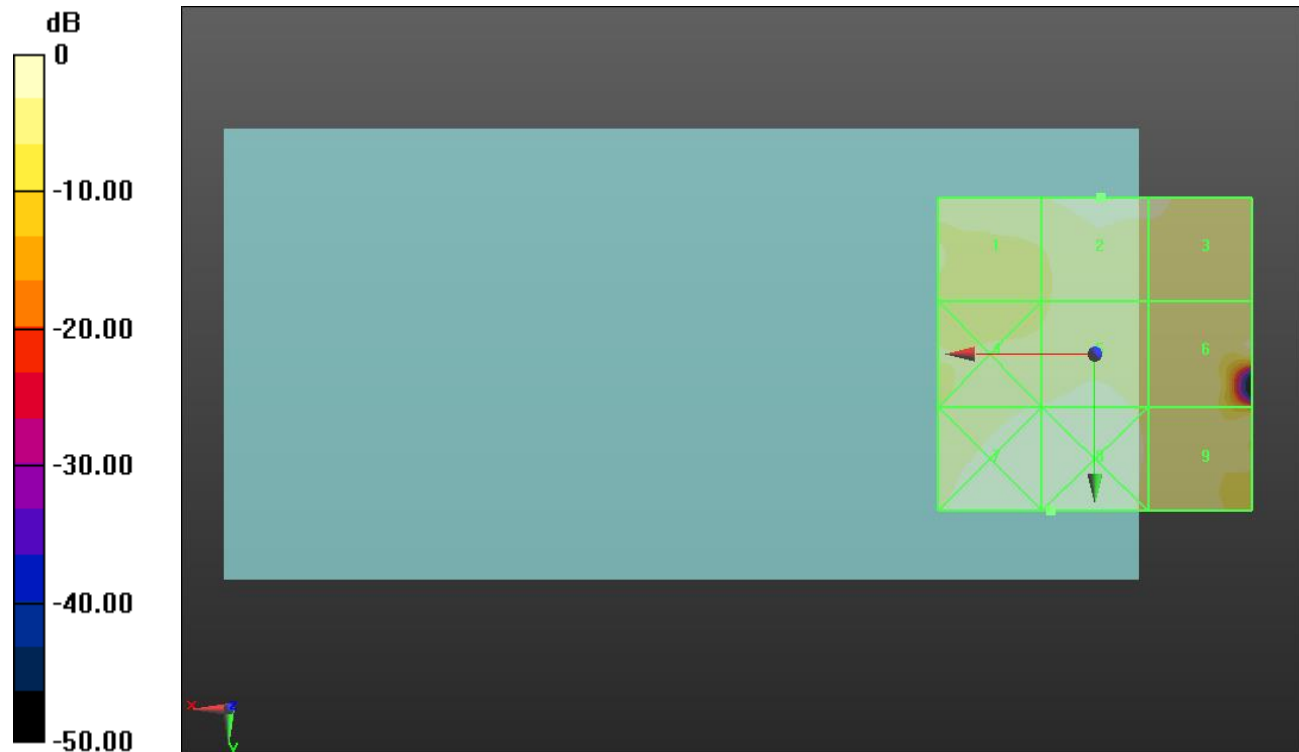
Applied MIF = -2.02 dB

RF audio interference level = 15.02 dBV/m

Emission category: **M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>14.01 dBV/m</b> | Grid 2 <b>M4</b><br><b>15.02 dBV/m</b> | Grid 3 <b>M4</b><br><b>14.5 dBV/m</b>  |
| Grid 4 <b>M4</b><br><b>14.38 dBV/m</b> | Grid 5 <b>M4</b><br><b>14.83 dBV/m</b> | Grid 6 <b>M4</b><br><b>14.7 dBV/m</b>  |
| Grid 7 <b>M4</b><br><b>17.48 dBV/m</b> | Grid 8 <b>M4</b><br><b>17.54 dBV/m</b> | Grid 9 <b>M4</b><br><b>14.07 dBV/m</b> |



0 dB = 7.535 V/m = 17.54 dBV/m

## HAC-RF Emission ANT3

Communication System: UID 10077 - CAB, IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 54 Mbps); Frequency: 2422 MHz; Duty Cycle: 1:12.5777

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1) @ 2422 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)

## 802.11g E-Field measurement/IEEE 802.11g\_OFDM 54 Mbps Ch. 3/Hearing Aid Compatibility Test (101x101x1):

Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 8.282 V/m; Power Drift = 0.00 dB

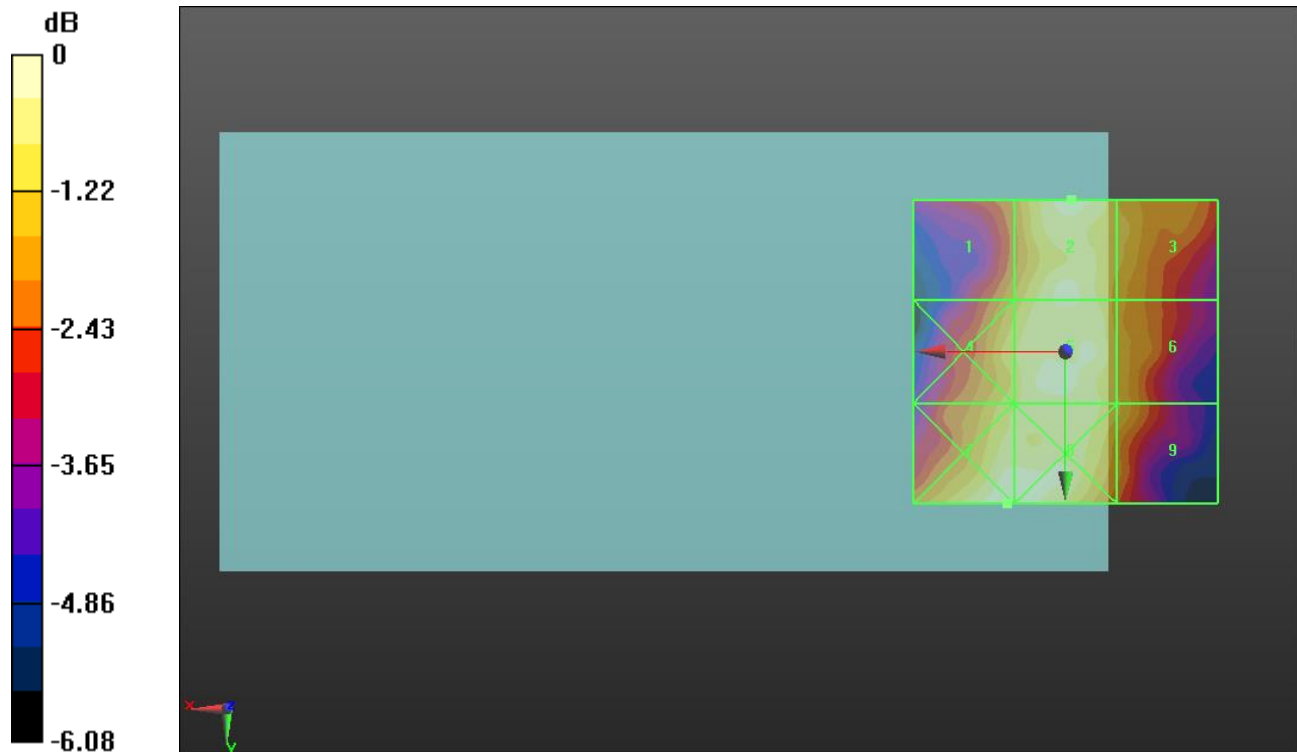
Applied MIF = 0.12 dB

RF audio interference level = 16.33 dBV/m

Emission category: **M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>14.93 dBV/m</b> | Grid 2 <b>M4</b><br><b>16.33 dBV/m</b> | Grid 3 <b>M4</b><br><b>15.46 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>15.63 dBV/m</b> | Grid 5 <b>M4</b><br><b>16.23 dBV/m</b> | Grid 6 <b>M4</b><br><b>15.35 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>16.47 dBV/m</b> | Grid 8 <b>M4</b><br><b>16.44 dBV/m</b> | Grid 9 <b>M4</b><br><b>15.35 dBV/m</b> |



0 dB = 6.659 V/m = 16.47 dBV/m

## HAC-RF Emission ANT3

Communication System: UID 10077 - CAB, IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 54 Mbps); Frequency: 2437 MHz; Duty Cycle: 1:12.5777

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1) @ 2437 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)

## 802.11g E-Field measurement/IEEE 802.11g\_OFDM 54 Mbps Ch. 6/Hearing Aid Compatibility Test (101x101x1):

Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 8.799 V/m; Power Drift = 0.02 dB

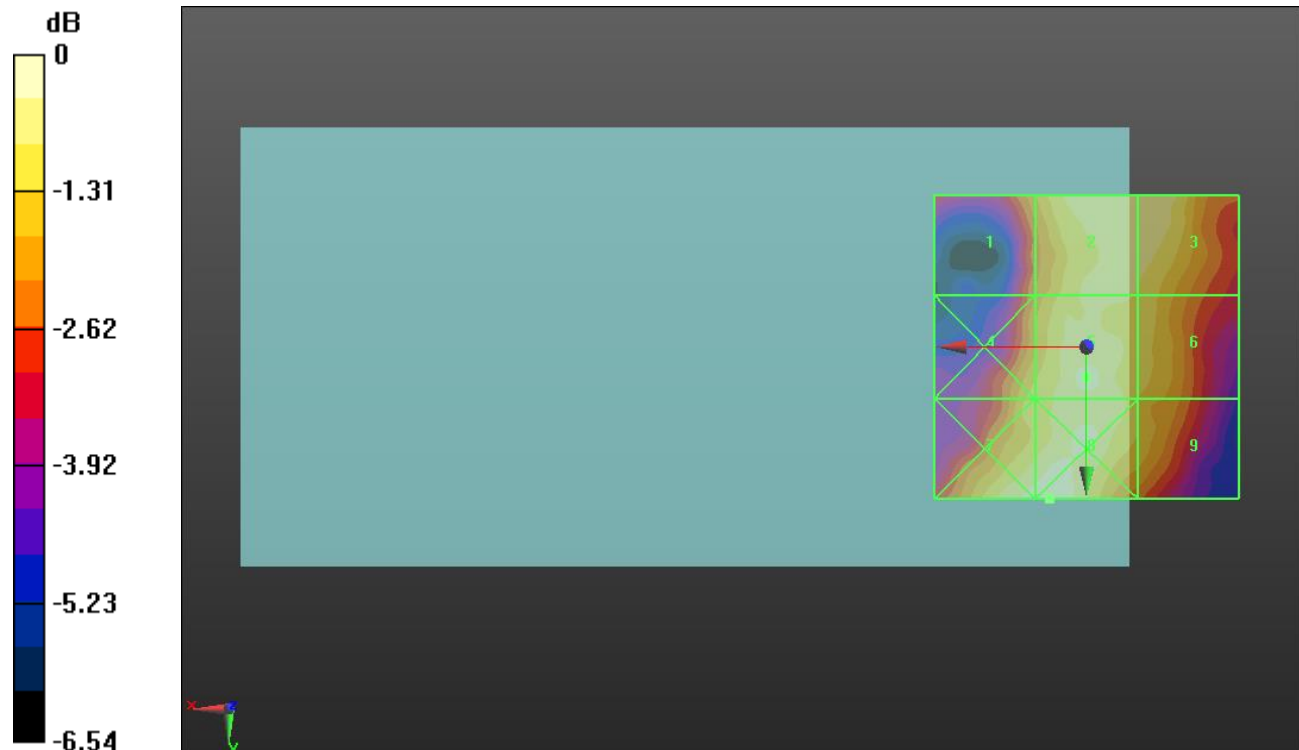
Applied MIF = 0.12 dB

RF audio interference level = 16.82 dBV/m

Emission category: **M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>15.33 dBV/m</b> | Grid 2 <b>M4</b><br><b>16.62 dBV/m</b> | Grid 3 <b>M4</b><br><b>16.57 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>16.04 dBV/m</b> | Grid 5 <b>M4</b><br><b>16.82 dBV/m</b> | Grid 6 <b>M4</b><br><b>16.15 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>16.9 dBV/m</b>  | Grid 8 <b>M4</b><br><b>17.08 dBV/m</b> | Grid 9 <b>M4</b><br><b>15.78 dBV/m</b> |



0 dB = 7.143 V/m = 17.08 dBV/m

## HAC-RF Emission ANT3

Communication System: UID 10077 - CAB, IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 54 Mbps); Frequency: 2452 MHz; Duty Cycle: 1:12.5777

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1) @ 2452 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)

## 802.11g E-Field measurement/IEEE 802.11g\_OFDM 54 Mbps Ch. 9/Hearing Aid Compatibility Test (101x101x1):

Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 6.974 V/m; Power Drift = -0.08 dB

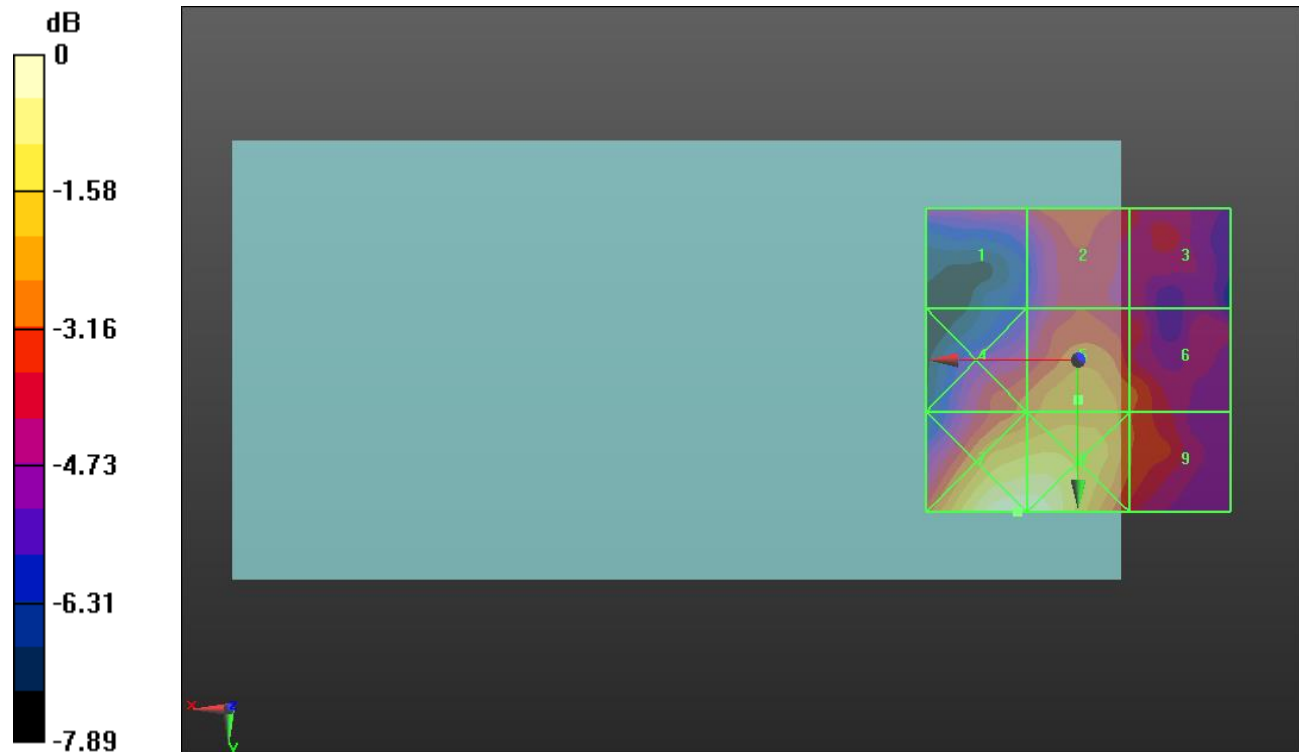
Applied MIF = 0.12 dB

RF audio interference level = 16.19 dBV/m

Emission category: **M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>14.18 dBV/m</b> | Grid 2 <b>M4</b><br><b>15.18 dBV/m</b> | Grid 3 <b>M4</b><br><b>14.48 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>15.45 dBV/m</b> | Grid 5 <b>M4</b><br><b>16.19 dBV/m</b> | Grid 6 <b>M4</b><br><b>15.38 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>18.34 dBV/m</b> | Grid 8 <b>M4</b><br><b>18.31 dBV/m</b> | Grid 9 <b>M4</b><br><b>15.34 dBV/m</b> |



0 dB = 8.261 V/m = 18.34 dBV/m

## HAC-RF Emission ANT4

Communication System: UID 10021 - DAC, GSM-FDD (TDMA, GMSK); Frequency: 1850.2 MHz; Duty Cycle: 1:8.6896

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1) @ 1850.2 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)

## GSM1900 E-Field measurement/Voice\_ch 512/Hearing Aid Compatibility Test

**(101x101x1):** Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 24.24 V/m; Power Drift = -0.10 dB

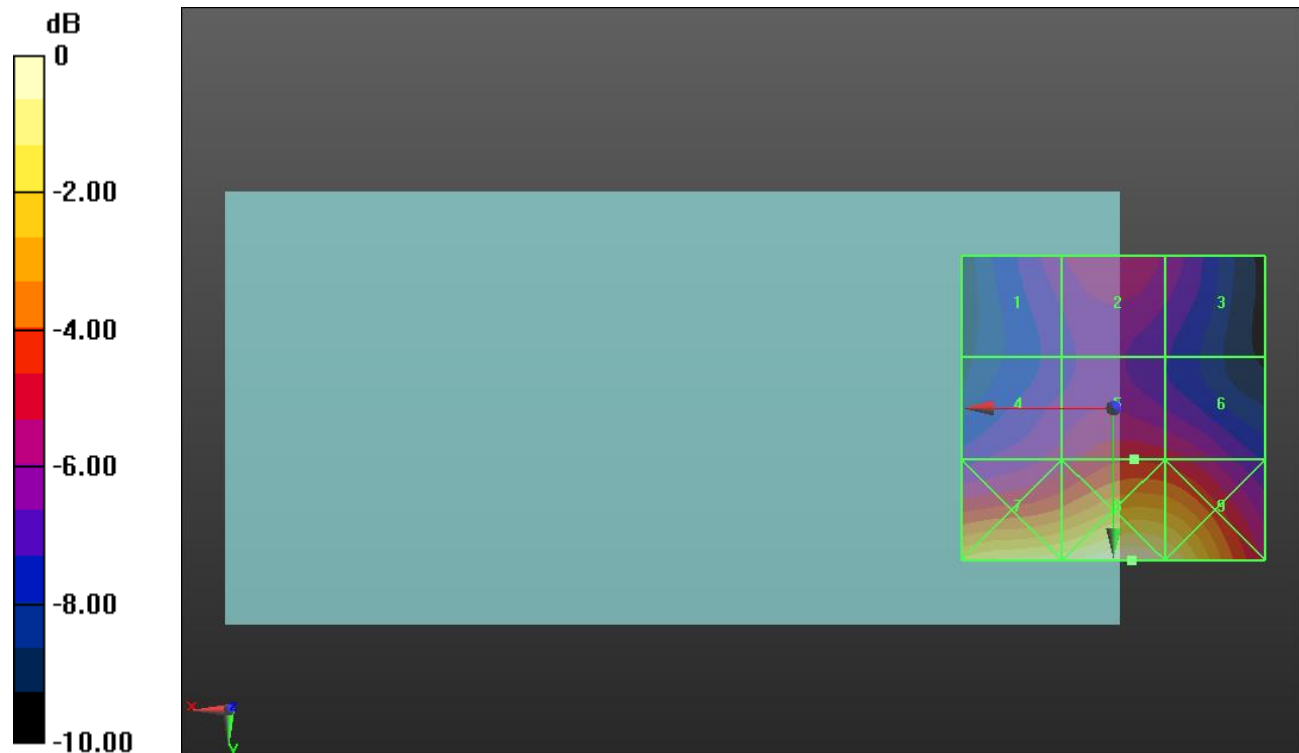
Applied MIF = 3.63 dB

RF audio interference level = 30.01 dBV/m

**Emission category: M3**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>28.69 dBV/m</b> | Grid 2 <b>M4</b><br><b>29.35 dBV/m</b> | Grid 3 <b>M4</b><br><b>28.62 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>29.08 dBV/m</b> | Grid 5 <b>M3</b><br><b>30.01 dBV/m</b> | Grid 6 <b>M4</b><br><b>29.8 dBV/m</b>  |
| Grid 7 <b>M3</b><br><b>33.89 dBV/m</b> | Grid 8 <b>M3</b><br><b>34.7 dBV/m</b>  | Grid 9 <b>M3</b><br><b>34.11 dBV/m</b> |



0 dB = 54.30 V/m = 34.70 dBV/m

## HAC-RF Emission ANT4

Communication System: UID 10021 - DAC, GSM-FDD (TDMA, GMSK); Frequency: 1880 MHz; Duty Cycle: 1:8.6896

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)

## GSM1900 E-Field measurement/Voice\_ch 661/Hearing Aid Compatibility Test

**(101x101x1):** Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 23.40 V/m; Power Drift = 0.01 dB

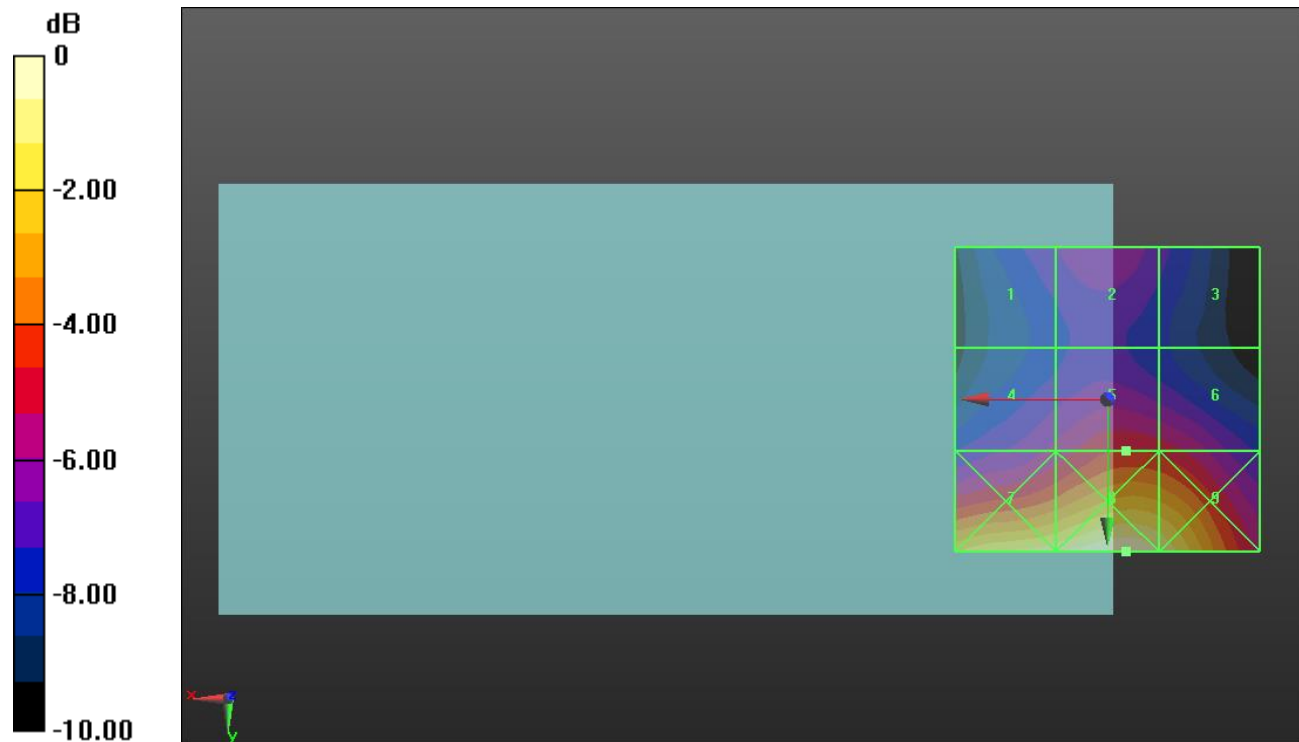
Applied MIF = 3.63 dB

RF audio interference level = 29.98 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>27.94 dBV/m</b> | Grid 2 <b>M4</b><br><b>28.48 dBV/m</b> | Grid 3 <b>M4</b><br><b>27.58 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>28.85 dBV/m</b> | Grid 5 <b>M4</b><br><b>29.98 dBV/m</b> | Grid 6 <b>M4</b><br><b>29.75 dBV/m</b> |
| Grid 7 <b>M3</b><br><b>33.75 dBV/m</b> | Grid 8 <b>M3</b><br><b>34.58 dBV/m</b> | Grid 9 <b>M3</b><br><b>33.93 dBV/m</b> |



0 dB = 53.56 V/m = 34.58 dBV/m

## HAC-RF Emission ANT4

Communication System: UID 10021 - DAC, GSM-FDD (TDMA, GMSK); Frequency: 1909.8 MHz; Duty Cycle: 1:8.6896

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1) @ 1909.8 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)

## GSM1900 E-Field measurement/Voice\_ch 810/Hearing Aid Compatibility Test

**(101x101x1):** Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 22.25 V/m; Power Drift = -0.02 dB

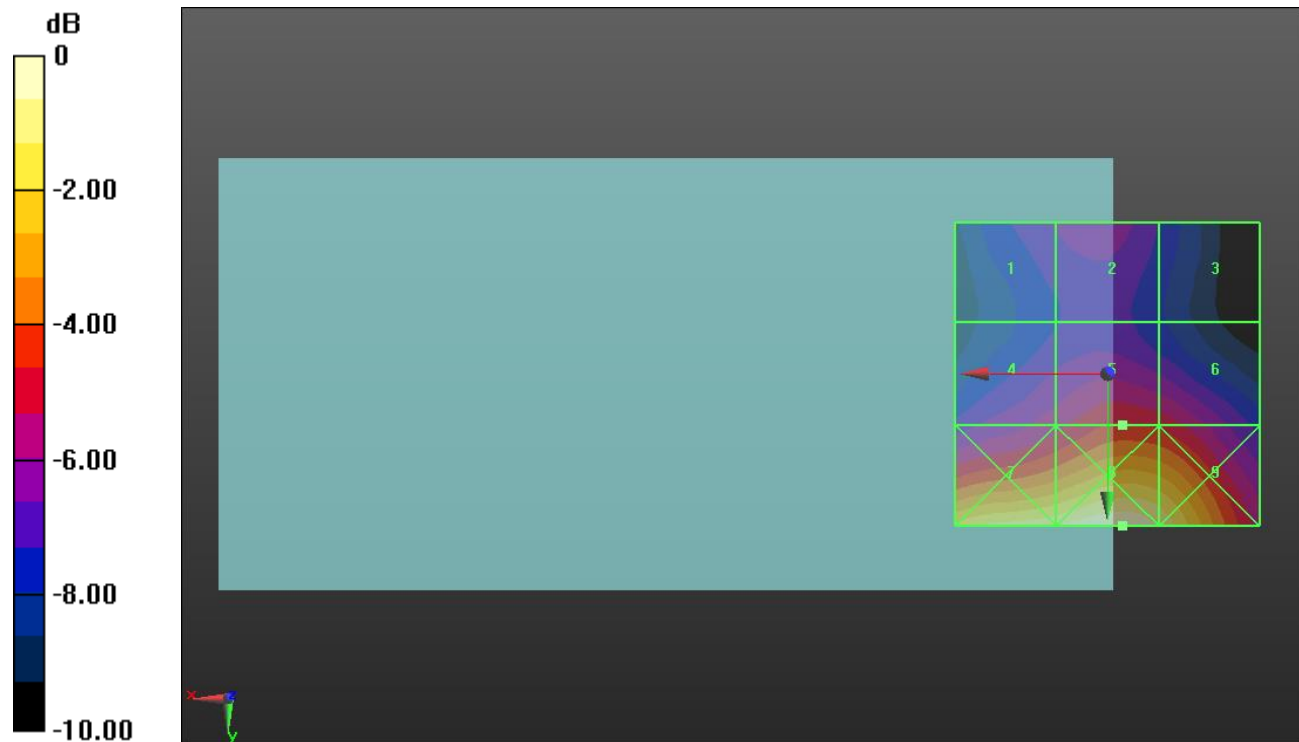
Applied MIF = 3.63 dB

RF audio interference level = 29.51 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>27.53 dBV/m</b> | Grid 2 <b>M4</b><br><b>27.88 dBV/m</b> | Grid 3 <b>M4</b><br><b>26.73 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>28.54 dBV/m</b> | Grid 5 <b>M4</b><br><b>29.51 dBV/m</b> | Grid 6 <b>M4</b><br><b>29.26 dBV/m</b> |
| Grid 7 <b>M3</b><br><b>33.41 dBV/m</b> | Grid 8 <b>M3</b><br><b>34.06 dBV/m</b> | Grid 9 <b>M3</b><br><b>33.36 dBV/m</b> |



0 dB = 50.47 V/m = 34.06 dBV/m

## HAC-RF Emission ANT4

Communication System: UID 10173 - CAG, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 2506 MHz; Duty Cycle: 1:8.87156

Dasy Configuration:

- Phantom section: RF Section
- Electronics: DAE4 Sn1434; Calibrated: 11/11/2021
- Probe: EF3DV3 - SN4028; Calibrated: 8/13/2021
- Sensor-Surface: (Fix Surface)
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB; Serial: 1155
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7495)

### LTE Band 41\_E-Field measurement/SC-FDMA RB 1/49 20 MHz 16QAM Ch.

**39750/Hearing Aid Compatibility Test (101x101x1):** Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 18.93 V/m; Power Drift = -0.15 dB

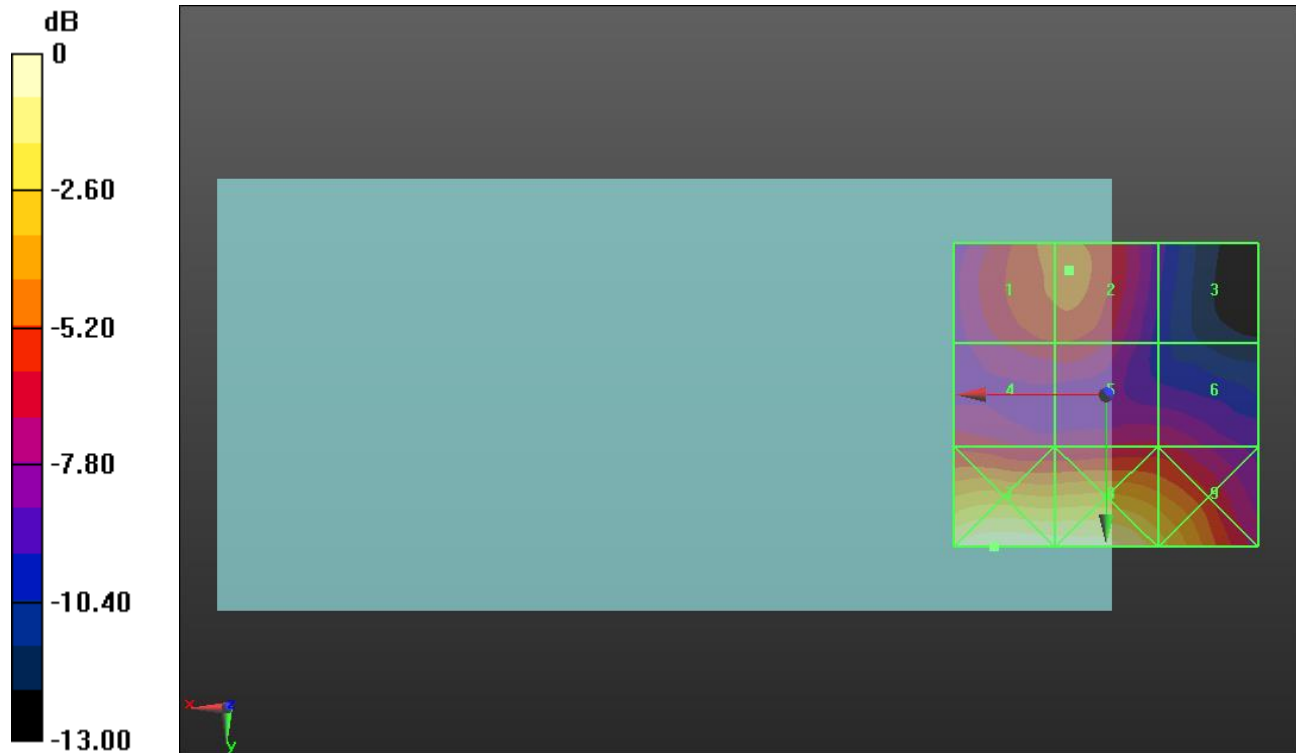
Applied MIF = -1.44 dB

RF audio interference level = 24.35 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>24.22 dBV/m</b> | Grid 2 <b>M4</b><br><b>24.35 dBV/m</b> | Grid 3 <b>M4</b><br><b>20.13 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>23.03 dBV/m</b> | Grid 5 <b>M4</b><br><b>23.06 dBV/m</b> | Grid 6 <b>M4</b><br><b>22.51 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>29.15 dBV/m</b> | Grid 8 <b>M4</b><br><b>28.91 dBV/m</b> | Grid 9 <b>M4</b><br><b>27.06 dBV/m</b> |



0 dB = 28.67 V/m = 29.15 dBV/m

## HAC-RF Emission ANT4

Communication System: UID 10173 - CAG, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 2549.5 MHz; Duty Cycle: 1:8.87156

Dasy Configuration:

- Phantom section: RF Section
- Electronics: DAE4 Sn1434; Calibrated: 11/11/2021
- Probe: EF3DV3 - SN4028; Calibrated: 8/13/2021
- Sensor-Surface: (Fix Surface)
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB; Serial: 1155
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7495)

### LTE Band 41\_E-Field measurement/SC-FDMA RB 1/49 20 MHz 16QAM Ch.

**40185/Hearing Aid Compatibility Test (101x101x1):** Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 18.39 V/m; Power Drift = -0.05 dB

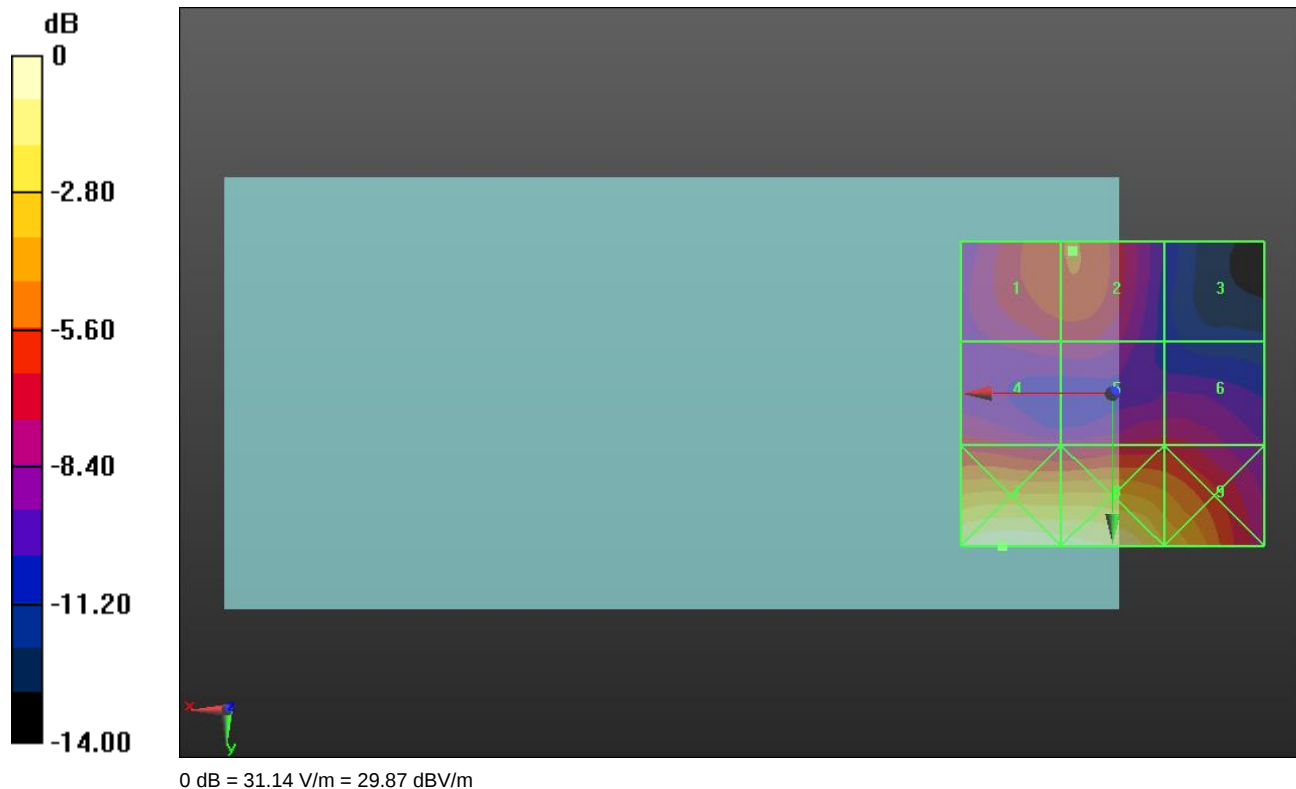
Applied MIF = -1.44 dB

RF audio interference level = 24.34 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>24.25 dBV/m</b> | Grid 2 <b>M4</b><br><b>24.34 dBV/m</b> | Grid 3 <b>M4</b><br><b>19.56 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>23.05 dBV/m</b> | Grid 5 <b>M4</b><br><b>22.91 dBV/m</b> | Grid 6 <b>M4</b><br><b>22.91 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>29.87 dBV/m</b> | Grid 8 <b>M4</b><br><b>29.5 dBV/m</b>  | Grid 9 <b>M4</b><br><b>27.23 dBV/m</b> |



## HAC-RF Emission ANT4

Communication System: UID 10173 - CAG, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 2593 MHz; Duty Cycle: 1:8.87156

Dasy Configuration:

- Phantom section: RF Section
- Electronics: DAE4 Sn1434; Calibrated: 11/11/2021
- Probe: EF3DV3 - SN4028; Calibrated: 8/13/2021
- Sensor-Surface: (Fix Surface)
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB; Serial: 1155
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7495)

### LTE Band 41\_E-Field measurement/SC-FDMA RB 1/49 20 MHz 16QAM Ch.

**40620/Hearing Aid Compatibility Test (101x101x1):** Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 14.06 V/m; Power Drift = -0.15 dB

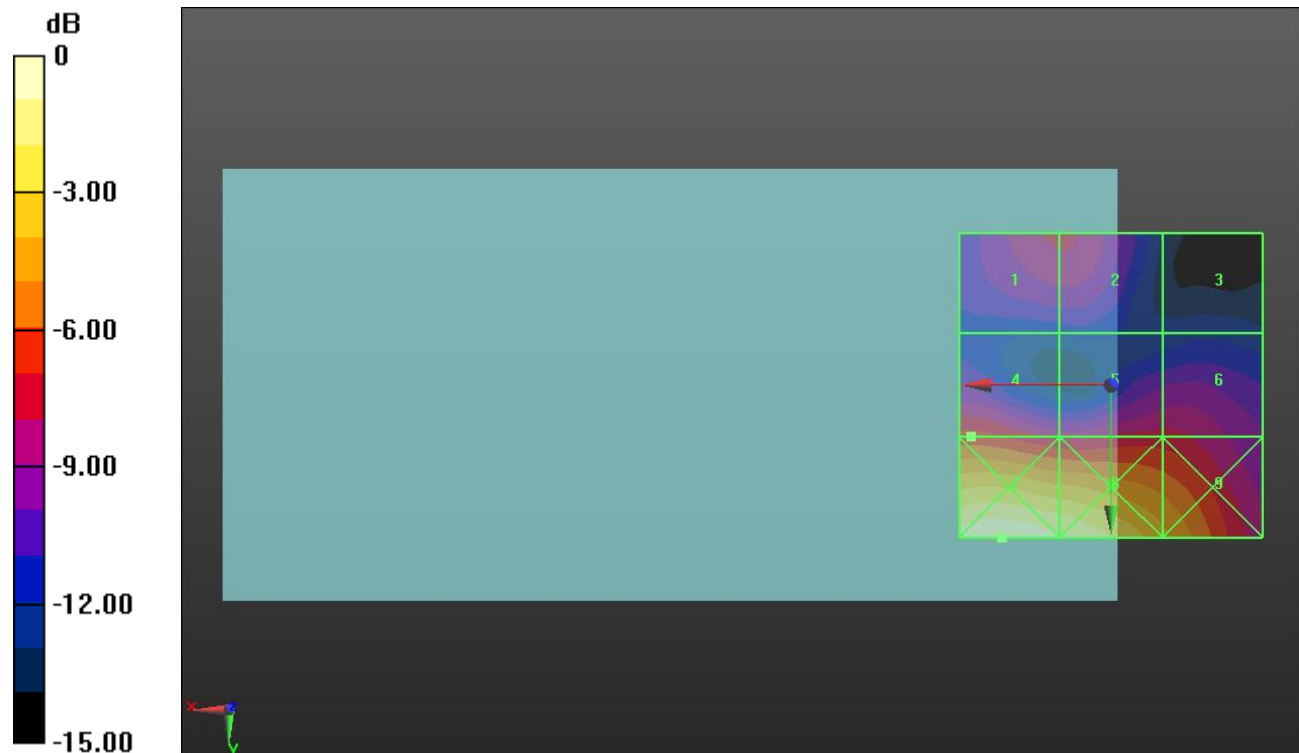
Applied MIF = -1.44 dB

RF audio interference level = 23.40 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>22.07 dBV/m</b> | Grid 2 <b>M4</b><br><b>22.07 dBV/m</b> | Grid 3 <b>M4</b><br><b>17.69 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>23.4 dBV/m</b>  | Grid 5 <b>M4</b><br><b>22.36 dBV/m</b> | Grid 6 <b>M4</b><br><b>22.34 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>29.9 dBV/m</b>  | Grid 8 <b>M4</b><br><b>29.14 dBV/m</b> | Grid 9 <b>M4</b><br><b>26.21 dBV/m</b> |



0 dB = 31.28 V/m = 29.91 dBV/m

## HAC-RF Emission ANT4

Communication System: UID 10173 - CAG, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 2636.5 MHz; Duty Cycle: 1:8.87156

Dasy Configuration:

- Phantom section: RF Section
- Electronics: DAE4 Sn1434; Calibrated: 11/11/2021
- Probe: EF3DV3 - SN4028; Calibrated: 8/13/2021
- Sensor-Surface: (Fix Surface)
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB; Serial: 1155
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7495)

### LTE Band 41\_E-Field measurement/SC-FDMA RB 1/49 20 MHz 16QAM Ch.

**41055/Hearing Aid Compatibility Test (101x101x1):** Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 11.35 V/m; Power Drift = -0.15 dB

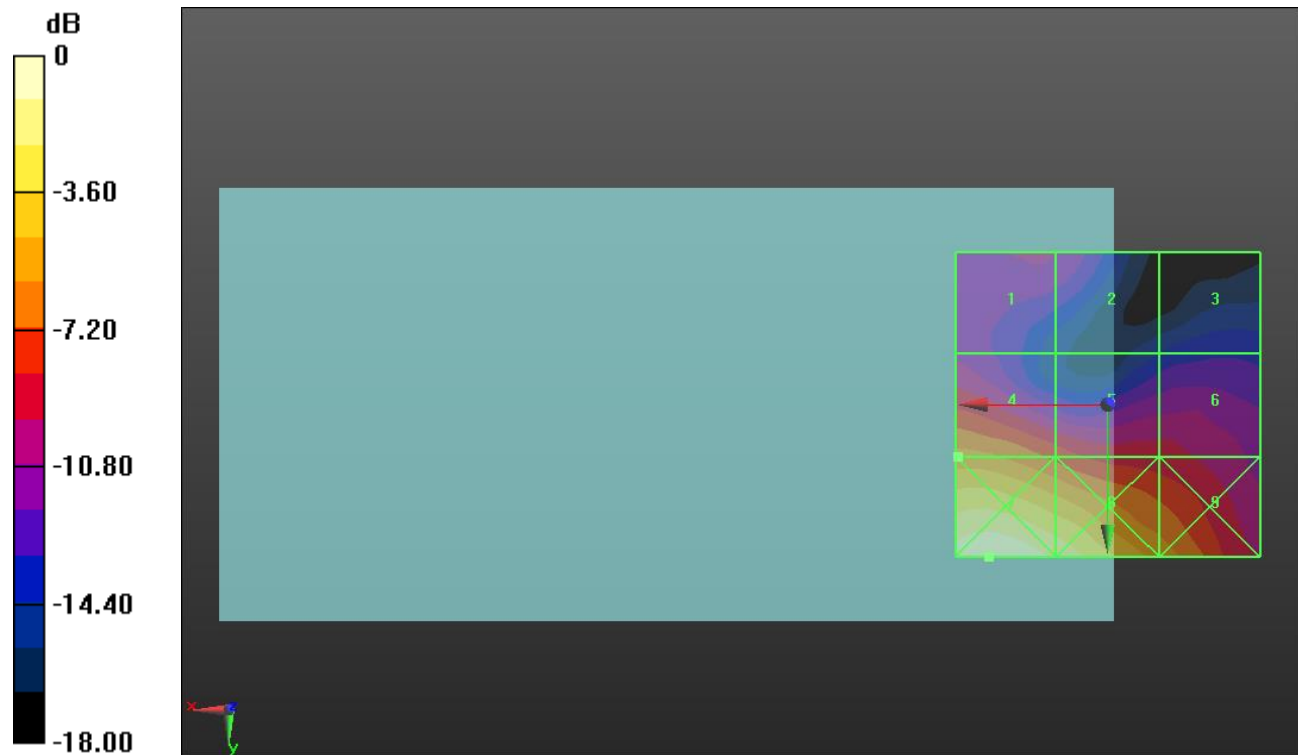
Applied MIF = -1.44 dB

RF audio interference level = 24.95 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>19.98 dBV/m</b> | Grid 2 <b>M4</b><br><b>19.75 dBV/m</b> | Grid 3 <b>M4</b><br><b>17.13 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>24.95 dBV/m</b> | Grid 5 <b>M4</b><br><b>22.9 dBV/m</b>  | Grid 6 <b>M4</b><br><b>21.4 dBV/m</b>  |
| Grid 7 <b>M3</b><br><b>30.46 dBV/m</b> | Grid 8 <b>M4</b><br><b>29.03 dBV/m</b> | Grid 9 <b>M4</b><br><b>25.27 dBV/m</b> |



0 dB = 33.34 V/m = 30.46 dBV/m

## HAC-RF Emission ANT4

Communication System: UID 10173 - CAG, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 2680 MHz; Duty Cycle: 1:8.87156

Dasy Configuration:

- Phantom section: RF Section
- Electronics: DAE4 Sn1434; Calibrated: 11/11/2021
- Probe: EF3DV3 - SN4028; Calibrated: 8/13/2021
- Sensor-Surface: (Fix Surface)
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB; Serial: 1155
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7495)

## LTE Band 41\_E-Field measurement/SC-FDMA RB 1/49 20 MHz 16QAM Ch.

**41490/Hearing Aid Compatibility Test (101x101x1):** Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 8.932 V/m; Power Drift = -0.02 dB

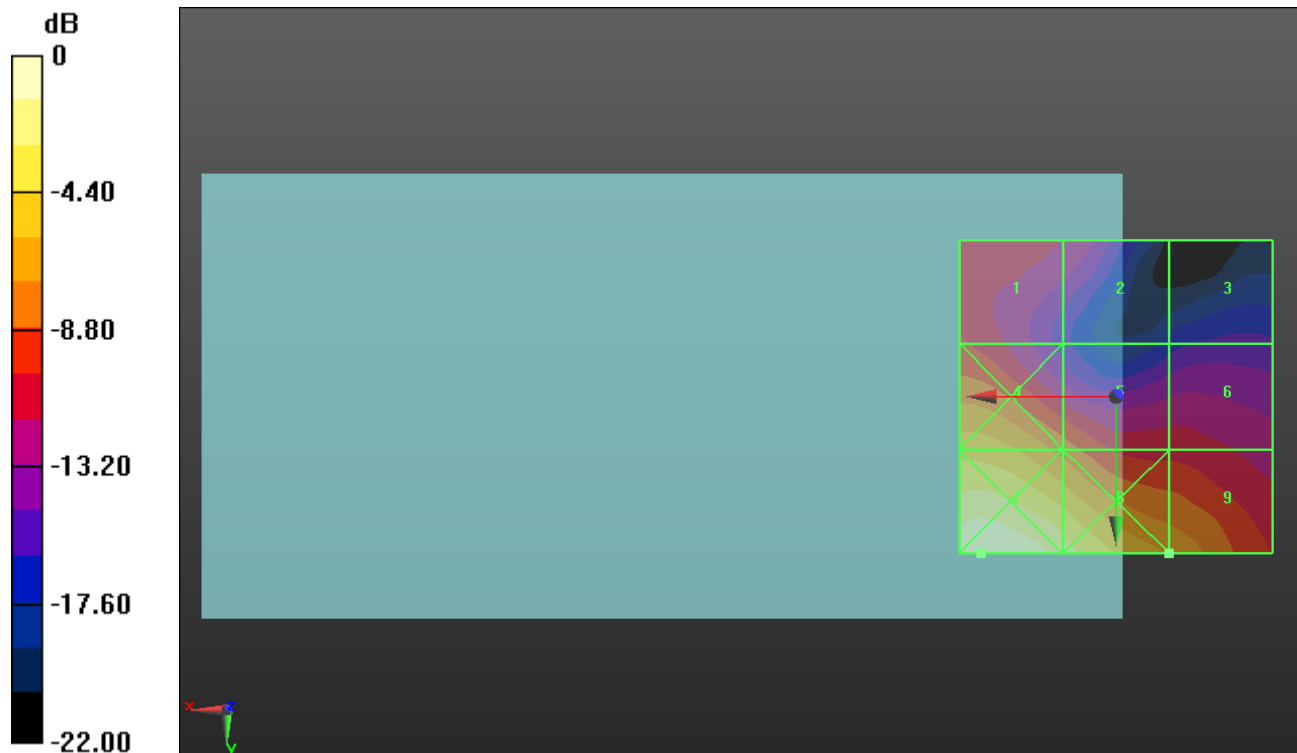
Applied MIF = -1.44 dB

RF audio interference level = 24.74 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>20.72 dBV/m</b> | Grid 2 <b>M4</b><br><b>18.94 dBV/m</b> | Grid 3 <b>M4</b><br><b>15.15 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>25.84 dBV/m</b> | Grid 5 <b>M4</b><br><b>22.84 dBV/m</b> | Grid 6 <b>M4</b><br><b>20 dBV/m</b>    |
| Grid 7 <b>M3</b><br><b>30.71 dBV/m</b> | Grid 8 <b>M4</b><br><b>28.6 dBV/m</b>  | Grid 9 <b>M4</b><br><b>24.74 dBV/m</b> |



0 dB = 34.32 V/m = 30.71 dBV/m

## HAC-RF Emission ANT4

Communication System: UID 10173 - CAG, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 2506 MHz; Duty Cycle: 1:8.87156

Dasy Configuration:

- Phantom section: RF Section
- Electronics: DAE4 Sn1434; Calibrated: 11/11/2021
- Probe: EF3DV3 - SN4028; Calibrated: 8/13/2021
- Sensor-Surface: (Fix Surface)
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB; Serial: 1155
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7495)

**LTE Band 41\_Power Class 2 E-Field measurement/SC-FDMA RB 1/49 20 MHz 16QAM**  
**Ch. 39750/Hearing Aid Compatibility Test (101x101x1):** Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 18.86 V/m; Power Drift = -0.01 dB

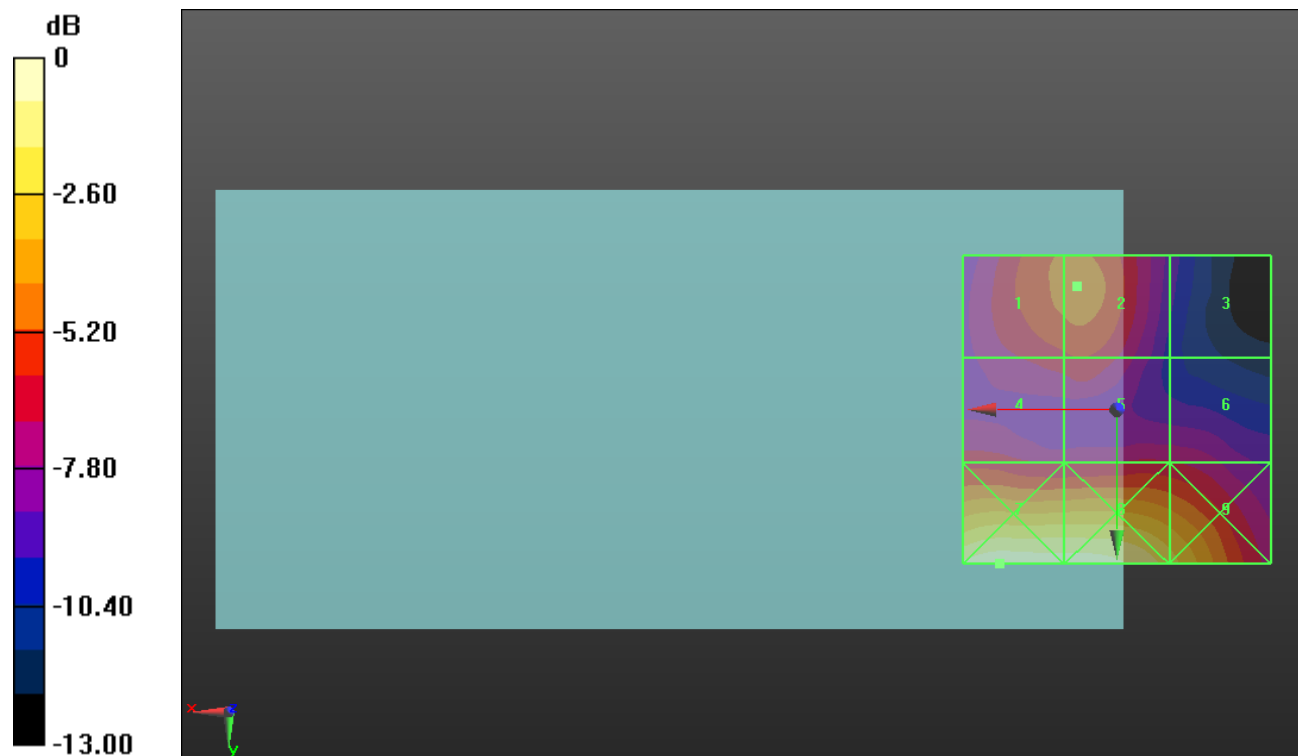
Applied MIF = -1.44 dB

RF audio interference level = 24.38 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>24.24 dBV/m</b> | Grid 2 <b>M4</b><br><b>24.38 dBV/m</b> | Grid 3 <b>M4</b><br><b>20.28 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>22.97 dBV/m</b> | Grid 5 <b>M4</b><br><b>23.16 dBV/m</b> | Grid 6 <b>M4</b><br><b>22.36 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>29.19 dBV/m</b> | Grid 8 <b>M4</b><br><b>28.9 dBV/m</b>  | Grid 9 <b>M4</b><br><b>27.06 dBV/m</b> |



0 dB = 28.81 V/m = 29.19 dBV/m

## HAC-RF Emission ANT4

Communication System: UID 10173 - CAG, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 2549.5 MHz; Duty Cycle: 1:8.87156

Dasy Configuration:

- Phantom section: RF Section
- Electronics: DAE4 Sn1434; Calibrated: 11/11/2021
- Probe: EF3DV3 - SN4028; Calibrated: 8/13/2021
- Sensor-Surface: (Fix Surface)
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB; Serial: 1155
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7495)

**LTE Band 41\_Power Class 2 E-Field measurement/SC-FDMA RB 1/49 20 MHz 16QAM**  
**Ch. 40185/Hearing Aid Compatibility Test (101x101x1):** Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 18.10 V/m; Power Drift = 0.01 dB

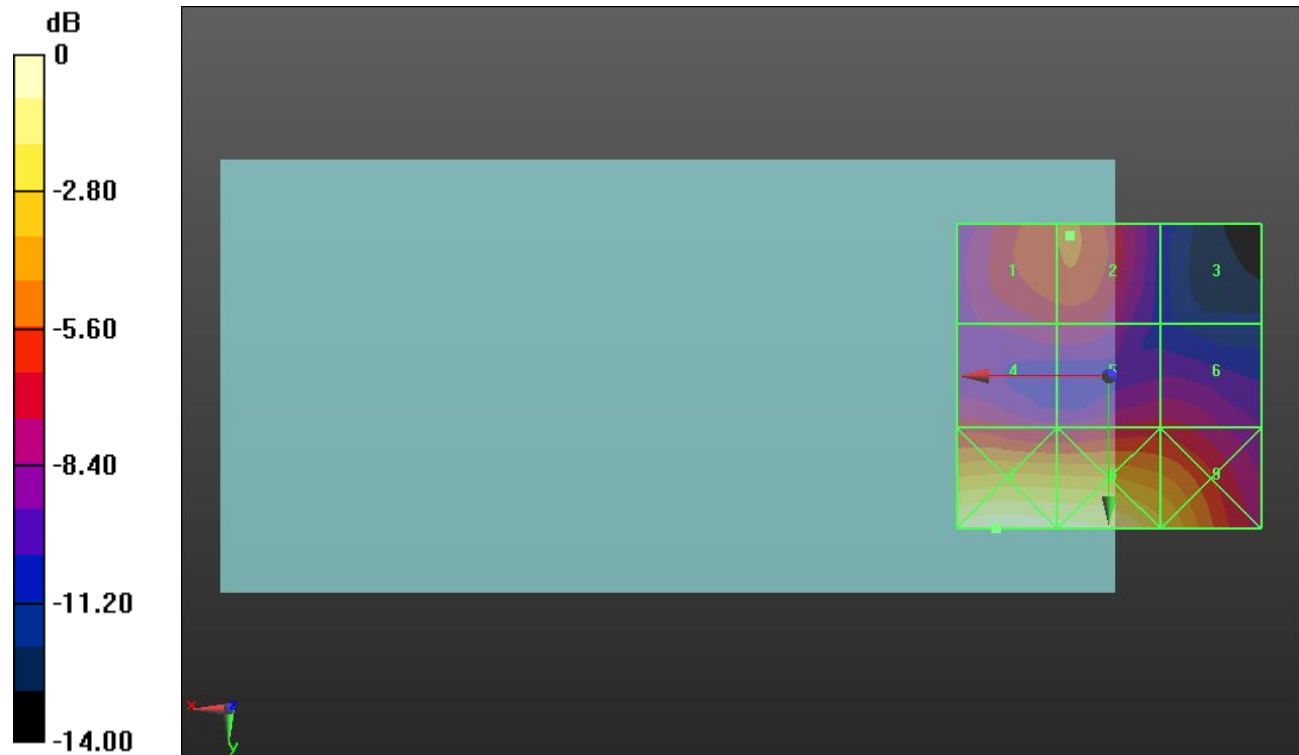
Applied MIF = -1.44 dB

RF audio interference level = 24.45 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>24.34 dBV/m</b> | Grid 2 <b>M4</b><br><b>24.45 dBV/m</b> | Grid 3 <b>M4</b><br><b>19.63 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>23.09 dBV/m</b> | Grid 5 <b>M4</b><br><b>22.91 dBV/m</b> | Grid 6 <b>M4</b><br><b>22.91 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>29.9 dBV/m</b>  | Grid 8 <b>M4</b><br><b>29.36 dBV/m</b> | Grid 9 <b>M4</b><br><b>27.43 dBV/m</b> |



0 dB = 31.26 V/m = 29.90 dBV/m

## HAC-RF Emission ANT4

Communication System: UID 10173 - CAG, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 2593 MHz; Duty Cycle: 1:8.87156

Dasy Configuration:

- Phantom section: RF Section
- Electronics: DAE4 Sn1434; Calibrated: 11/11/2021
- Probe: EF3DV3 - SN4028; Calibrated: 8/13/2021
- Sensor-Surface: (Fix Surface)
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB; Serial: 1155
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7495)

**LTE Band 41\_Power Class 2 E-Field measurement/SC-FDMA RB 1/49 20 MHz 16QAM**  
**Ch. 40620/Hearing Aid Compatibility Test (101x101x1):** Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 14.08 V/m; Power Drift = -0.06 dB

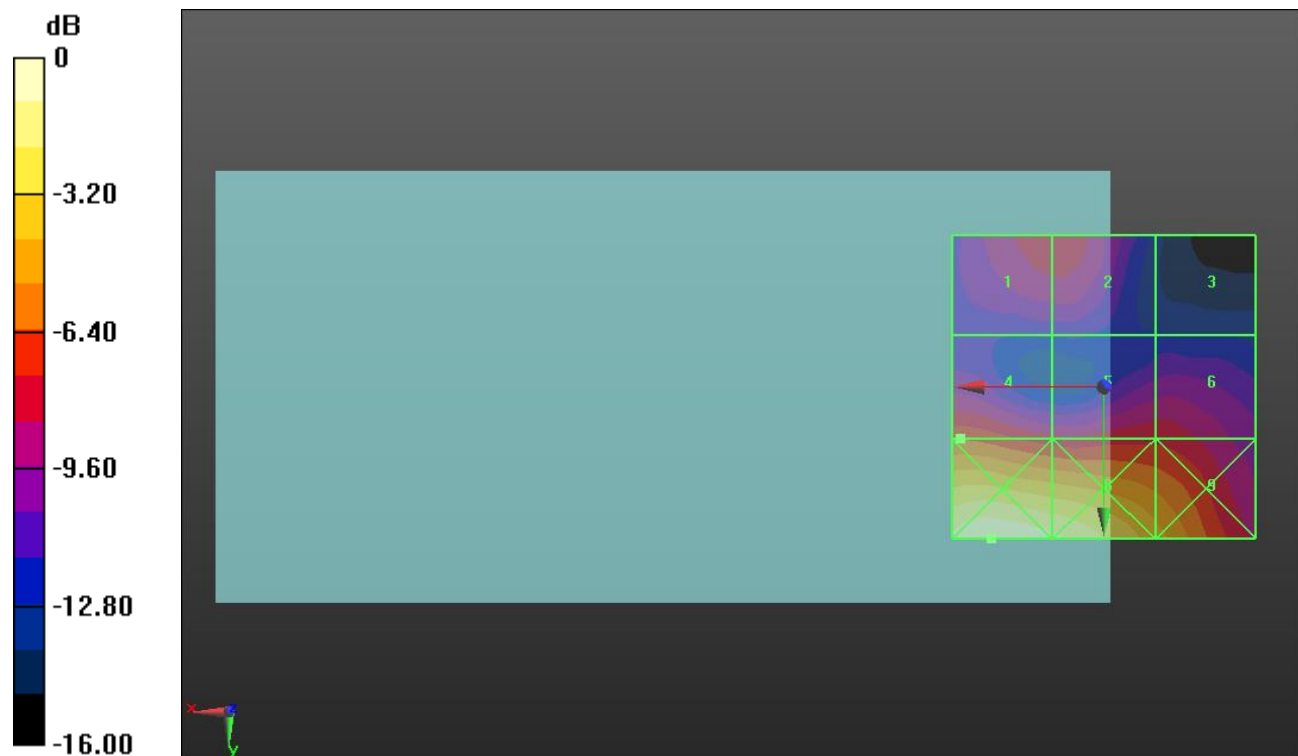
Applied MIF = -1.44 dB

RF audio interference level = 23.60 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>22.37 dBV/m</b> | Grid 2 <b>M4</b><br><b>22.39 dBV/m</b> | Grid 3 <b>M4</b><br><b>17.46 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>23.6 dBV/m</b>  | Grid 5 <b>M4</b><br><b>22.39 dBV/m</b> | Grid 6 <b>M4</b><br><b>22.39 dBV/m</b> |
| Grid 7 <b>M3</b><br><b>30.08 dBV/m</b> | Grid 8 <b>M4</b><br><b>29.32 dBV/m</b> | Grid 9 <b>M4</b><br><b>26.37 dBV/m</b> |



0 dB = 31.90 V/m = 30.08 dBV/m

## HAC-RF Emission ANT4

Communication System: UID 10173 - CAG, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 2636.5 MHz; Duty Cycle: 1:8.87156

Dasy Configuration:

- Phantom section: RF Section
- Electronics: DAE4 Sn1434; Calibrated: 11/11/2021
- Probe: EF3DV3 - SN4028; Calibrated: 8/13/2021
- Sensor-Surface: (Fix Surface)
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB; Serial: 1155
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7495)

**LTE Band 41\_Power Class 2 E-Field measurement/SC-FDMA RB 1/49 20 MHz 16QAM**  
**Ch. 41055/Hearing Aid Compatibility Test (101x101x1):** Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 11.42 V/m; Power Drift = -0.07 dB

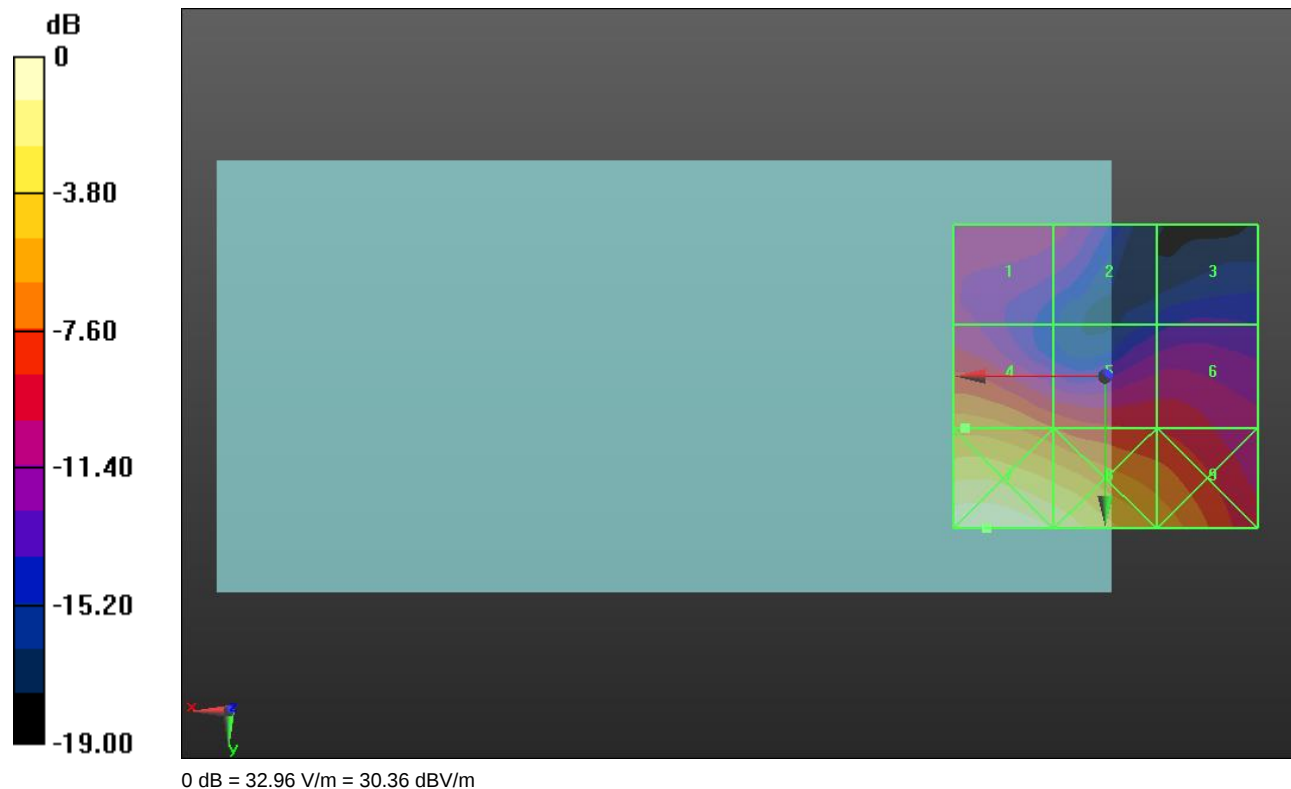
Applied MIF = -1.44 dB

RF audio interference level = 24.91 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>19.89 dBV/m</b> | Grid 2 <b>M4</b><br><b>19.61 dBV/m</b> | Grid 3 <b>M4</b><br><b>16.88 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>24.91 dBV/m</b> | Grid 5 <b>M4</b><br><b>22.83 dBV/m</b> | Grid 6 <b>M4</b><br><b>21.41 dBV/m</b> |
| Grid 7 <b>M3</b><br><b>30.36 dBV/m</b> | Grid 8 <b>M4</b><br><b>29.05 dBV/m</b> | Grid 9 <b>M4</b><br><b>25.21 dBV/m</b> |



## HAC-RF Emission ANT4

Communication System: UID 10173 - CAG, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 2680 MHz; Duty Cycle: 1:8.87156

Dasy Configuration:

- Phantom section: RF Section
- Electronics: DAE4 Sn1434; Calibrated: 11/11/2021
- Probe: EF3DV3 - SN4028; Calibrated: 8/13/2021
- Sensor-Surface: (Fix Surface)
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB; Serial: 1155
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7495)

### LTE Band 41\_Power Class 2 E-Field measurement/SC-FDMA RB 1/49 20 MHz 16QAM

**Ch. 41490/Hearing Aid Compatibility Test (101x101x1):** Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 8.888 V/m; Power Drift = -0.06 dB

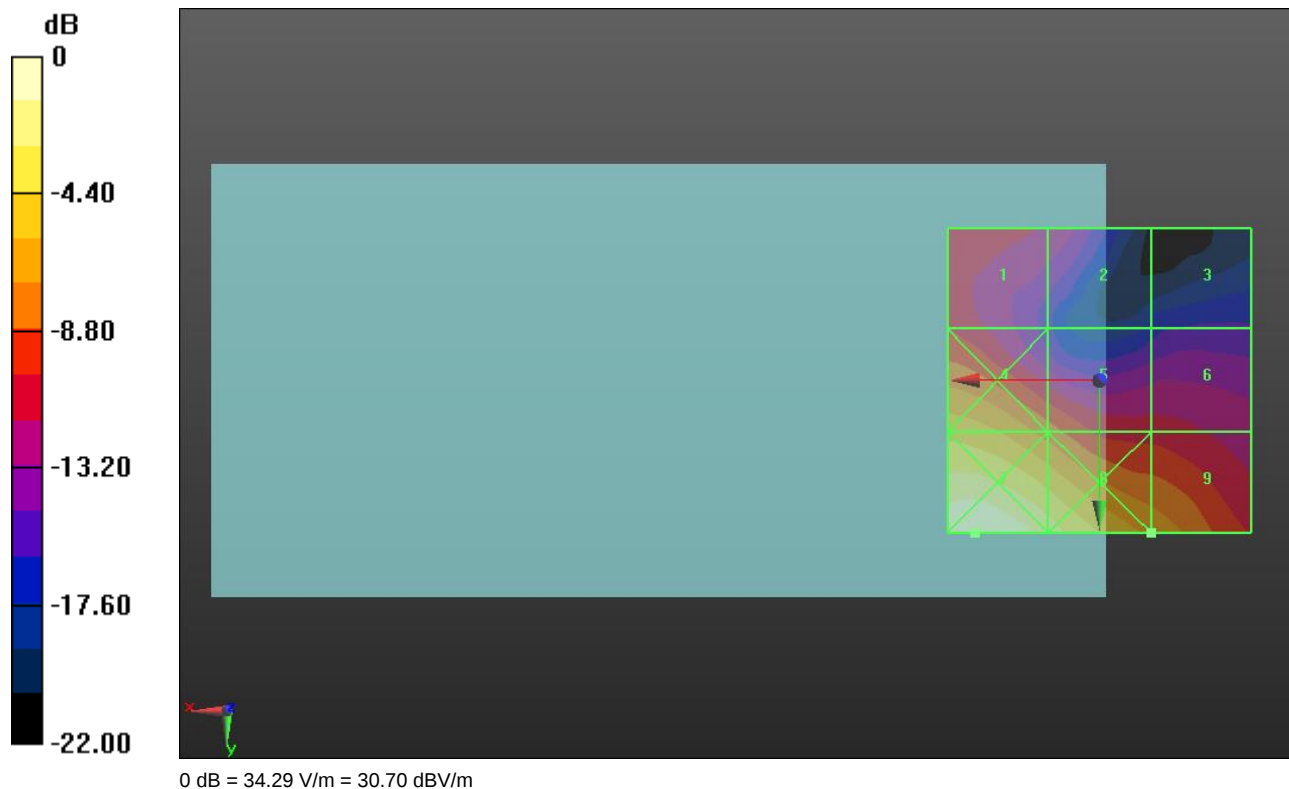
Applied MIF = -1.44 dB

RF audio interference level = 24.52 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>20.57 dBV/m</b> | Grid 2 <b>M4</b><br><b>18.73 dBV/m</b> | Grid 3 <b>M4</b><br><b>14.94 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>25.88 dBV/m</b> | Grid 5 <b>M4</b><br><b>22.75 dBV/m</b> | Grid 6 <b>M4</b><br><b>19.87 dBV/m</b> |
| Grid 7 <b>M3</b><br><b>30.7 dBV/m</b>  | Grid 8 <b>M4</b><br><b>28.63 dBV/m</b> | Grid 9 <b>M4</b><br><b>24.52 dBV/m</b> |



## HAC-RF Emission ANT4

Communication System: UID 10173 - CAG, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 3560 MHz; Duty Cycle: 1:8.8736

Dasy Configuration:

- Phantom section: RF Section
- Electronics: DAE4 Sn1434; Calibrated: 11/11/2021
- Probe: EF3DV3 - SN4028; Calibrated: 8/13/2021
- Sensor-Surface: (Fix Surface)
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB; Serial: 1155
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7495)

### LTE Band 48\_E-Field measurement/SC-FDMA RB 1/49 20 MHz 16QAM Ch.

**55340/Hearing Aid Compatibility Test (101x101x1):** Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 30.71 V/m; Power Drift = -0.14 dB

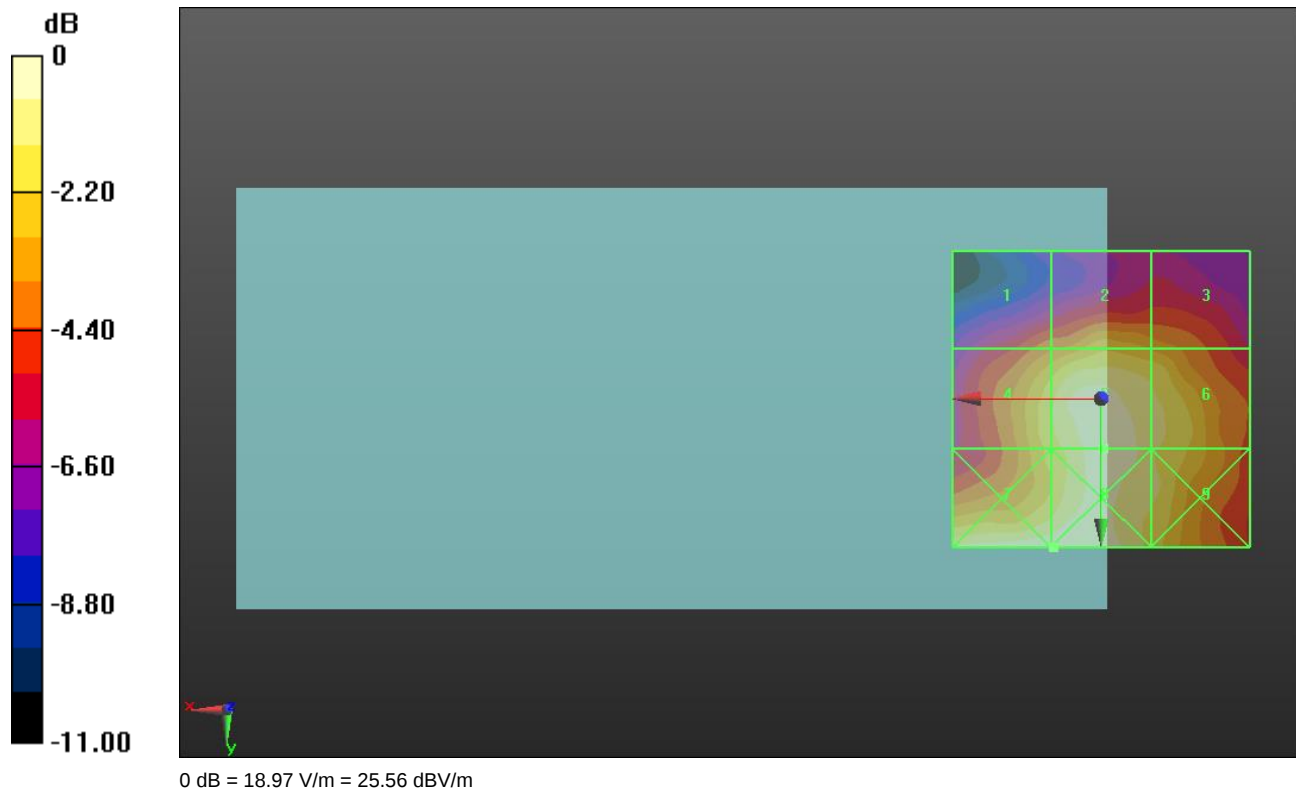
Applied MIF = -1.44 dB

RF audio interference level = 25.38 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>21.77 dBV/m</b> | Grid 2 <b>M4</b><br><b>23.22 dBV/m</b> | Grid 3 <b>M4</b><br><b>22.51 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>24.03 dBV/m</b> | Grid 5 <b>M4</b><br><b>25.38 dBV/m</b> | Grid 6 <b>M4</b><br><b>24.45 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>25.56 dBV/m</b> | Grid 8 <b>M4</b><br><b>25.56 dBV/m</b> | Grid 9 <b>M4</b><br><b>24.33 dBV/m</b> |



## HAC-RF Emission ANT4

Communication System: UID 10173 - CAG, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 3603 MHz; Duty Cycle: 1:8.8736

Dasy Configuration:

- Phantom section: RF Section
- Electronics: DAE4 Sn1434; Calibrated: 11/11/2021
- Probe: EF3DV3 - SN4028; Calibrated: 8/13/2021
- Sensor-Surface: (Fix Surface)
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB; Serial: 1155
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7495)

### LTE Band 48\_E-Field measurement/SC-FDMA RB 1/49 20 MHz 16QAM Ch.

**55773/Hearing Aid Compatibility Test (101x101x1):** Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 27.12 V/m; Power Drift = -0.14 dB

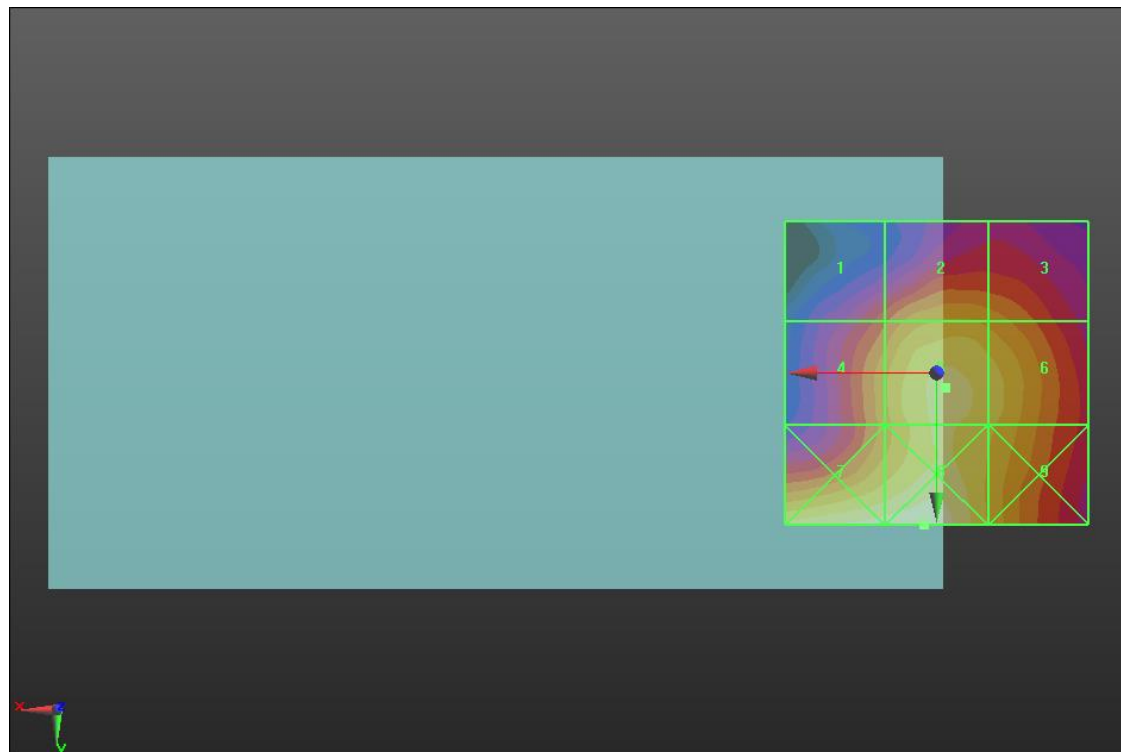
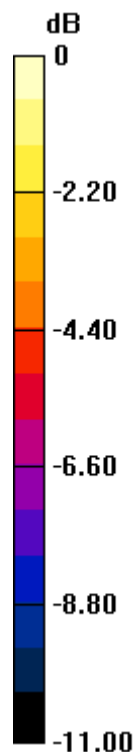
Applied MIF = -1.44 dB

RF audio interference level = 24.12 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>20.83 dBV/m</b> | Grid 2 <b>M4</b><br><b>22.59 dBV/m</b> | Grid 3 <b>M4</b><br><b>22.22 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>22.35 dBV/m</b> | Grid 5 <b>M4</b><br><b>24.12 dBV/m</b> | Grid 6 <b>M4</b><br><b>23.64 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>25.14 dBV/m</b> | Grid 8 <b>M4</b><br><b>25.38 dBV/m</b> | Grid 9 <b>M4</b><br><b>23.39 dBV/m</b> |



0 dB = 18.58 V/m = 25.38 dBV/m

## HAC-RF Emission ANT4

Communication System: UID 10173 - CAG, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 3646.7 MHz; Duty Cycle: 1:8.8736

Dasy Configuration:

- Phantom section: RF Section
- Electronics: DAE4 Sn1434; Calibrated: 11/11/2021
- Probe: EF3DV3 - SN4028; Calibrated: 8/13/2021
- Sensor-Surface: (Fix Surface)
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB; Serial: 1155
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7495)

### LTE Band 48\_E-Field measurement/SC-FDMA RB 1/49 20 MHz 16QAM Ch.

**56207/Hearing Aid Compatibility Test (101x101x1):** Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 25.92 V/m; Power Drift = -0.16 dB

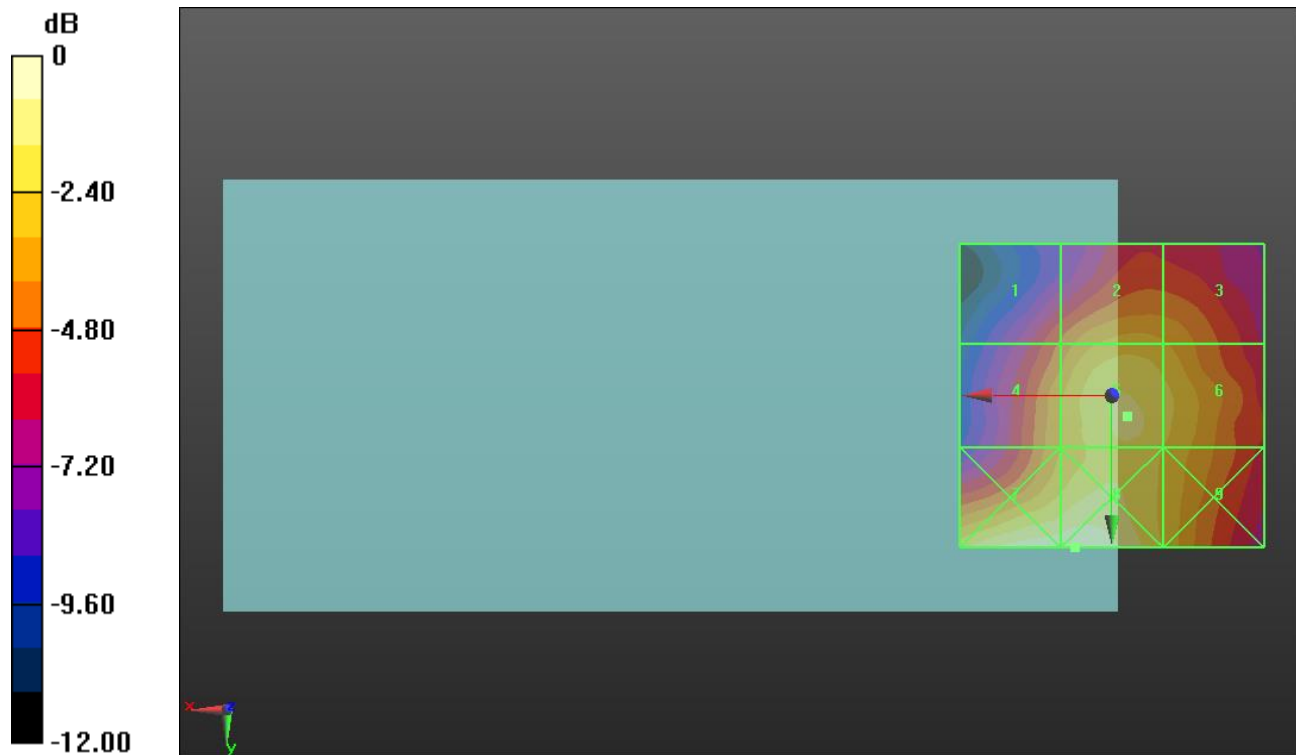
Applied MIF = -1.44 dB

RF audio interference level = 24.07 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>20.92 dBV/m</b> | Grid 2 <b>M4</b><br><b>22.75 dBV/m</b> | Grid 3 <b>M4</b><br><b>22.44 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>22.34 dBV/m</b> | Grid 5 <b>M4</b><br><b>24.07 dBV/m</b> | Grid 6 <b>M4</b><br><b>23.45 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>25.39 dBV/m</b> | Grid 8 <b>M4</b><br><b>25.54 dBV/m</b> | Grid 9 <b>M4</b><br><b>23.12 dBV/m</b> |



0 dB = 18.92 V/m = 25.54 dBV/m

## HAC-RF Emission ANT4

Communication System: UID 10173 - CAG, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 3690 MHz; Duty Cycle: 1:8.8736

Dasy Configuration:

- Phantom section: RF Section
- Electronics: DAE4 Sn1434; Calibrated: 11/11/2021
- Probe: EF3DV3 - SN4028; Calibrated: 8/13/2021
- Sensor-Surface: (Fix Surface)
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB; Serial: 1155
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7495)

### LTE Band 48\_E-Field measurement/SC-FDMA RB 1/49 20 MHz 16QAM Ch.

**56640/Hearing Aid Compatibility Test (101x101x1):** Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 24.58 V/m; Power Drift = 0.13 dB

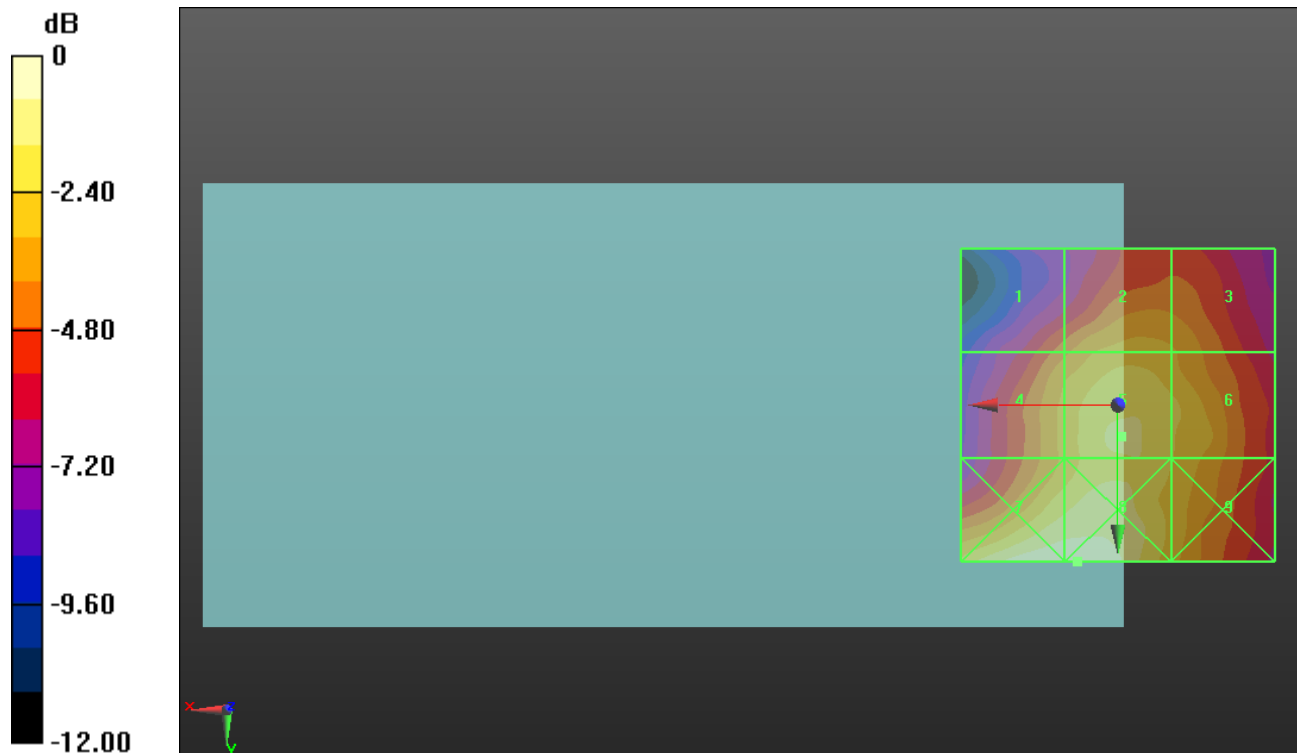
Applied MIF = -1.44 dB

RF audio interference level = 24.00 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>21.08 dBV/m</b> | Grid 2 <b>M4</b><br><b>22.54 dBV/m</b> | Grid 3 <b>M4</b><br><b>22.22 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>22.44 dBV/m</b> | Grid 5 <b>M4</b><br><b>24 dBV/m</b>    | Grid 6 <b>M4</b><br><b>23.16 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>25.21 dBV/m</b> | Grid 8 <b>M4</b><br><b>25.31 dBV/m</b> | Grid 9 <b>M4</b><br><b>22.96 dBV/m</b> |



0 dB = 18.42 V/m = 25.31 dBV/m

## HAC-RF Emission ANT4

Communication System: UID 10061 - CAB, IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps); Frequency: 2417 MHz; Duty Cycle: 1:2.29034

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1) @ 2417 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)

## 802.11b E-Field measurement/IEEE 802.11b\_OFDM 11 Mbps Ch. 2/Hearing Aid Compatibility Test (101x101x1):

Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 46.62 V/m; Power Drift = -0.05 dB

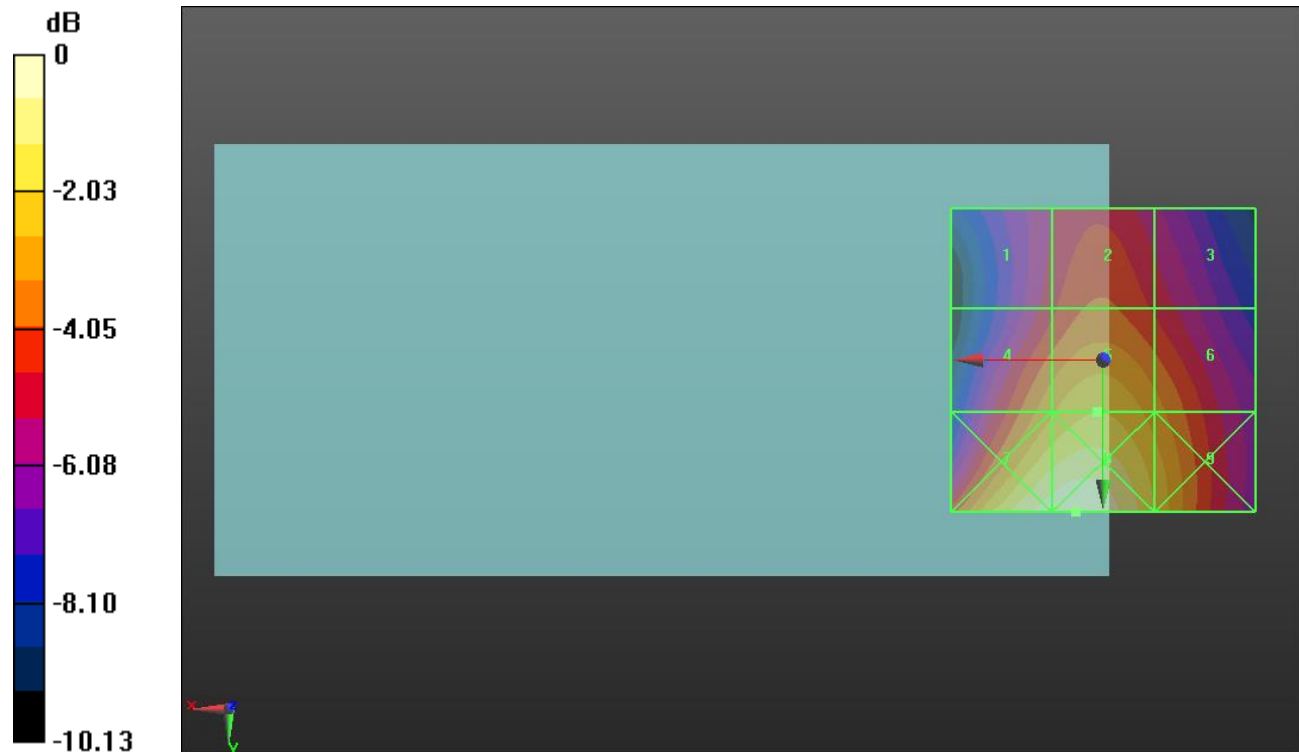
Applied MIF = -2.02 dB

RF audio interference level = 29.60 dBV/m

Emission category: **M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>26.74 dBV/m</b> | Grid 2 <b>M4</b><br><b>27.71 dBV/m</b> | Grid 3 <b>M4</b><br><b>26.77 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>28.82 dBV/m</b> | Grid 5 <b>M4</b><br><b>29.6 dBV/m</b>  | Grid 6 <b>M4</b><br><b>28.57 dBV/m</b> |
| Grid 7 <b>M3</b><br><b>31.42 dBV/m</b> | Grid 8 <b>M3</b><br><b>31.62 dBV/m</b> | Grid 9 <b>M4</b><br><b>29.55 dBV/m</b> |



0 dB = 38.10 V/m = 31.62 dBV/m

## HAC-RF Emission ANT4

Communication System: UID 10061 - CAB, IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps); Frequency: 2437 MHz; Duty Cycle: 1:2.29034

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1) @ 2437 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)

## 802.11b E-Field measurement/IEEE 802.11b\_OFDM 11 Mbps Ch. 6/Hearing Aid Compatibility Test (101x101x1):

Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 44.68 V/m; Power Drift = -0.01 dB

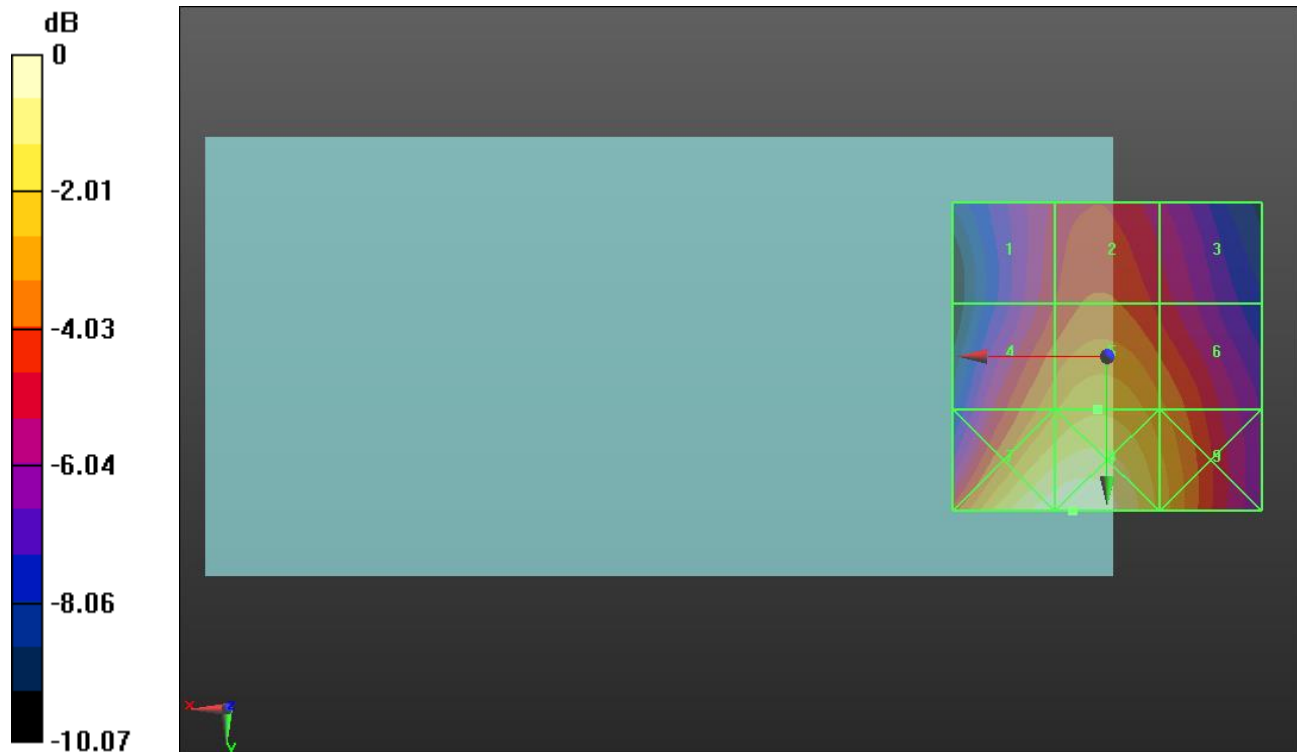
Applied MIF = -2.02 dB

RF audio interference level = 29.15 dBV/m

Emission category: **M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>26.6 dBV/m</b>  | Grid 2 <b>M4</b><br><b>27.38 dBV/m</b> | Grid 3 <b>M4</b><br><b>26.36 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>28.49 dBV/m</b> | Grid 5 <b>M4</b><br><b>29.15 dBV/m</b> | Grid 6 <b>M4</b><br><b>28.13 dBV/m</b> |
| Grid 7 <b>M3</b><br><b>31.11 dBV/m</b> | Grid 8 <b>M3</b><br><b>31.26 dBV/m</b> | Grid 9 <b>M4</b><br><b>29.04 dBV/m</b> |



0 dB = 36.55 V/m = 31.26 dBV/m

## HAC-RF Emission ANT4

Communication System: UID 10061 - CAB, IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps); Frequency: 2462 MHz; Duty Cycle: 1:2.29034

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1) @ 2462 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)

## 802.11b E-Field measurement/IEEE 802.11b\_OFDM 11 Mbps Ch. 11/Hearing Aid Compatibility Test (101x101x1):

Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 40.09 V/m; Power Drift = -0.05 dB

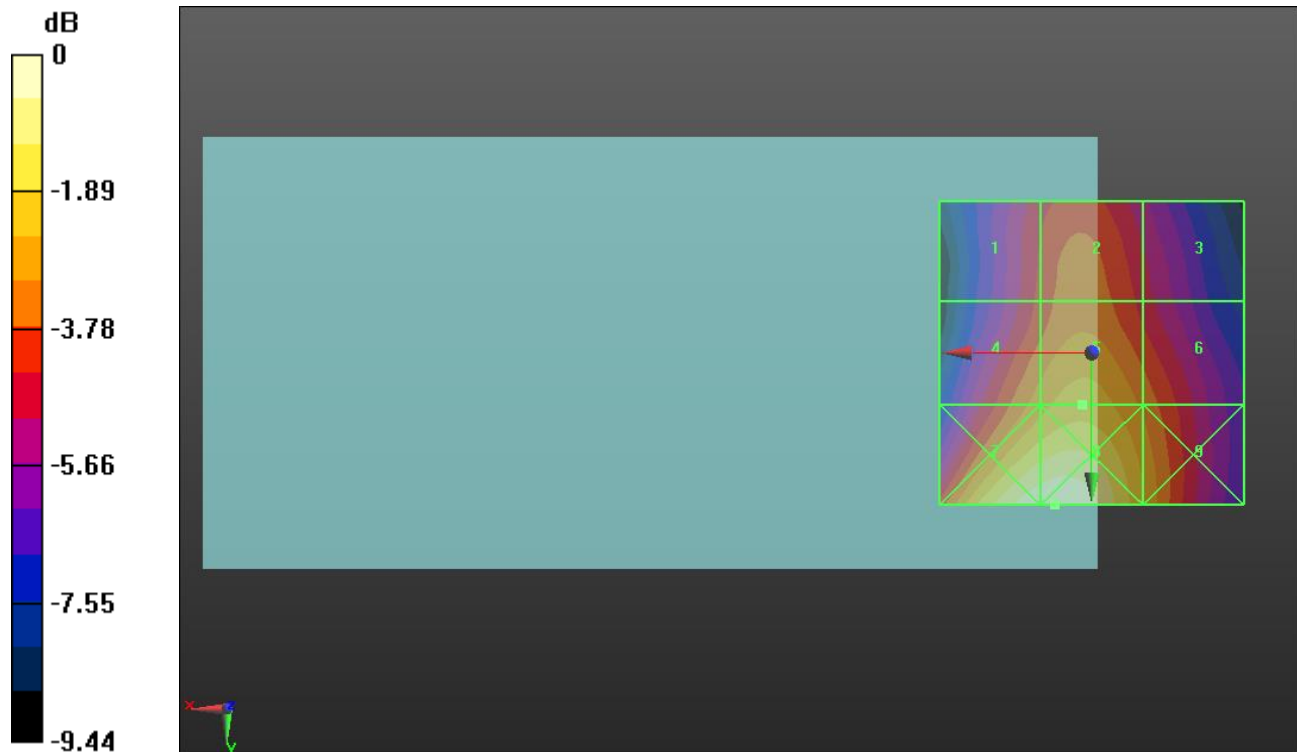
Applied MIF = -2.02 dB

RF audio interference level = 28.05 dBV/m

Emission category: **M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>26.05 dBV/m</b> | Grid 2 <b>M4</b><br><b>26.82 dBV/m</b> | Grid 3 <b>M4</b><br><b>25.56 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>27.45 dBV/m</b> | Grid 5 <b>M4</b><br><b>28.05 dBV/m</b> | Grid 6 <b>M4</b><br><b>26.92 dBV/m</b> |
| Grid 7 <b>M3</b><br><b>30.12 dBV/m</b> | Grid 8 <b>M3</b><br><b>30.22 dBV/m</b> | Grid 9 <b>M4</b><br><b>27.71 dBV/m</b> |



0 dB = 32.42 V/m = 30.22 dBV/m

## HAC-RF Emission ANT4

Communication System: UID 10077 - CAB, IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 54 Mbps); Frequency: 2422 MHz; Duty Cycle: 1:12.5777

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1) @ 2422 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)

## 802.11g E-Field measurement/IEEE 802.11g\_OFDM 54 Mbps Ch. 3/Hearing Aid Compatibility Test (101x101x1):

Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 37.69 V/m; Power Drift = -0.06 dB

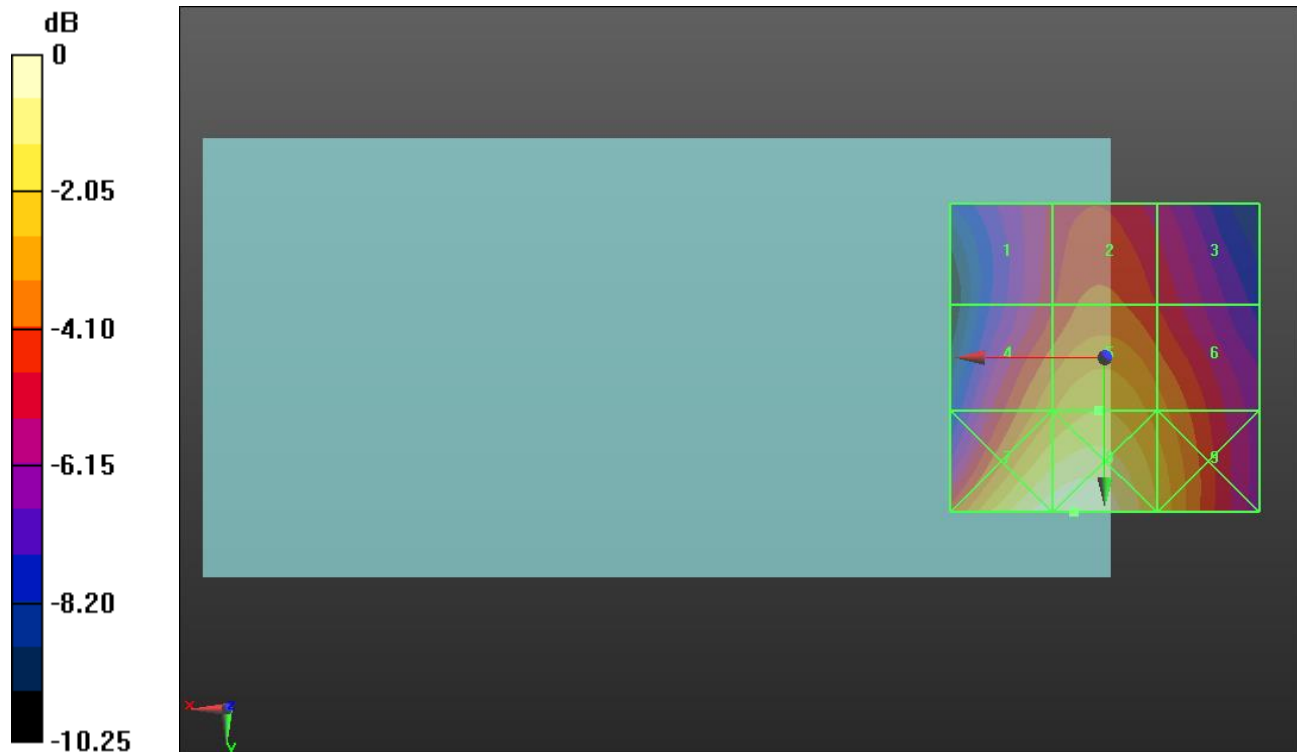
Applied MIF = 0.12 dB

RF audio interference level = 29.79 dBV/m

Emission category: **M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>26.99 dBV/m</b> | Grid 2 <b>M4</b><br><b>27.96 dBV/m</b> | Grid 3 <b>M4</b><br><b>27.06 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>29.04 dBV/m</b> | Grid 5 <b>M4</b><br><b>29.79 dBV/m</b> | Grid 6 <b>M4</b><br><b>28.77 dBV/m</b> |
| Grid 7 <b>M3</b><br><b>31.64 dBV/m</b> | Grid 8 <b>M3</b><br><b>31.83 dBV/m</b> | Grid 9 <b>M4</b><br><b>29.75 dBV/m</b> |



0 dB = 39.04 V/m = 31.83 dBV/m

## HAC-RF Emission ANT4

Communication System: UID 10077 - CAB, IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 54 Mbps); Frequency: 2437 MHz; Duty Cycle: 1:12.5777

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1) @ 2437 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)

## 802.11g E-Field measurement/IEEE 802.11g\_OFDM 54 Mbps Ch. 6/Hearing Aid Compatibility Test (101x101x1):

Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 37.11 V/m; Power Drift = -0.00 dB

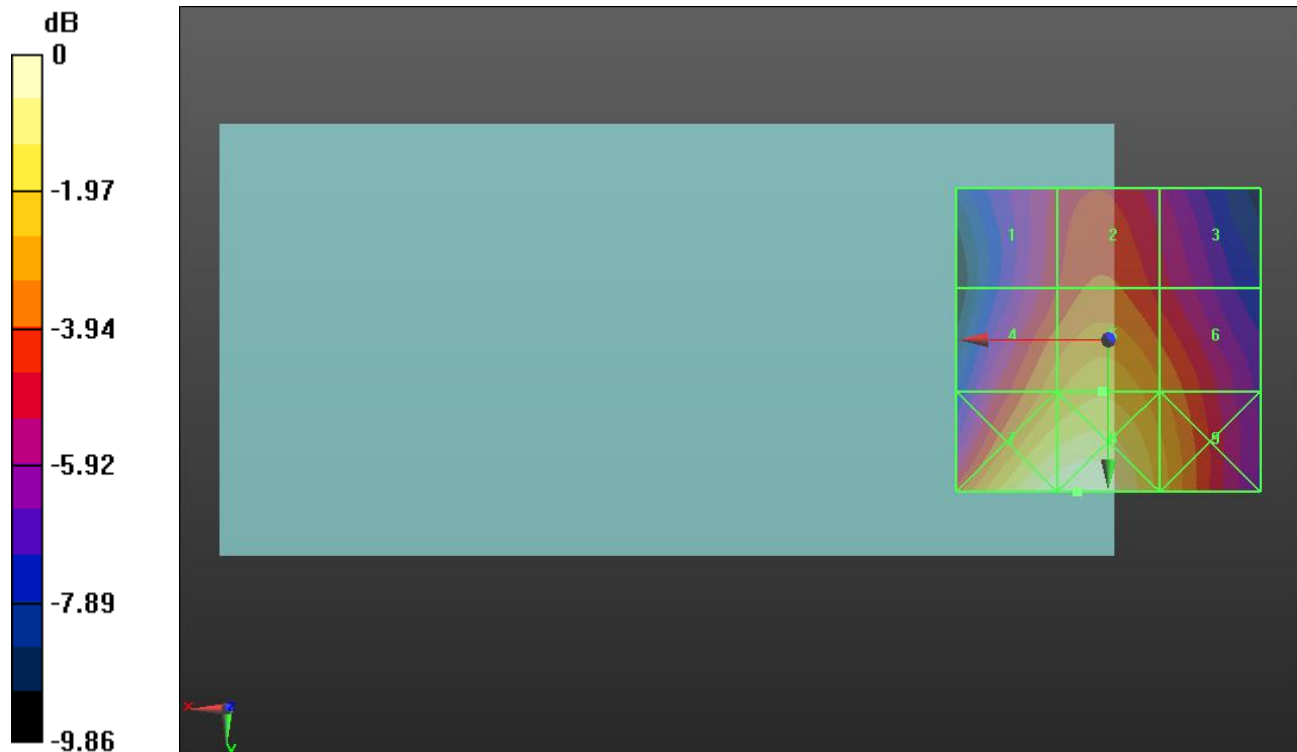
Applied MIF = 0.12 dB

RF audio interference level = 29.68 dBV/m

Emission category: **M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>27.14 dBV/m</b> | Grid 2 <b>M4</b><br><b>27.95 dBV/m</b> | Grid 3 <b>M4</b><br><b>26.86 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>29.01 dBV/m</b> | Grid 5 <b>M4</b><br><b>29.68 dBV/m</b> | Grid 6 <b>M4</b><br><b>28.61 dBV/m</b> |
| Grid 7 <b>M3</b><br><b>31.57 dBV/m</b> | Grid 8 <b>M3</b><br><b>31.74 dBV/m</b> | Grid 9 <b>M4</b><br><b>29.52 dBV/m</b> |



0 dB = 38.65 V/m = 31.74 dBV/m

## HAC-RF Emission ANT4

Communication System: UID 10077 - CAB, IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 54 Mbps); Frequency: 2452 MHz; Duty Cycle: 1:12.5777

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1) @ 2452 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)

## 802.11g E-Field measurement/IEEE 802.11g\_OFDM 54 Mbps Ch. 9/Hearing Aid Compatibility Test (101x101x1):

Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 39.63 V/m; Power Drift = -0.04 dB

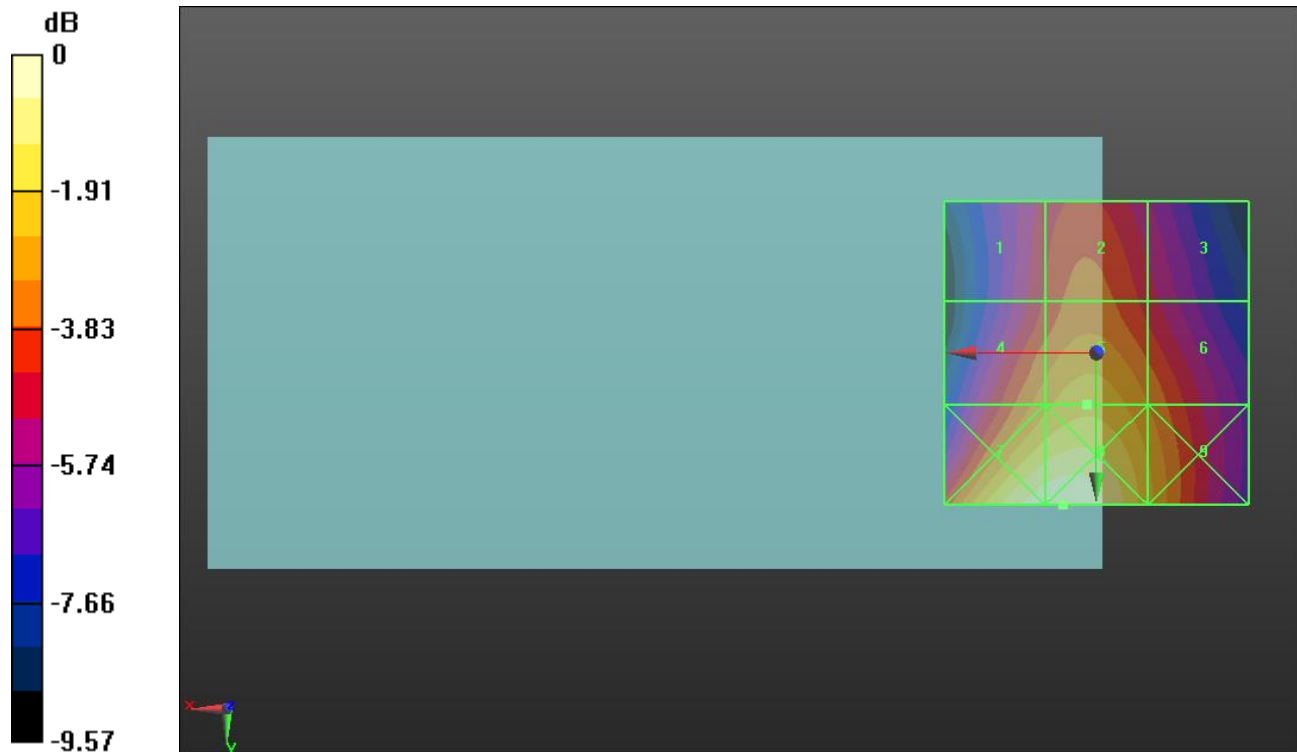
Applied MIF = 0.12 dB

RF audio interference level = 30.16 dBV/m

Emission category: **M3**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>27.91 dBV/m</b> | Grid 2 <b>M4</b><br><b>28.73 dBV/m</b> | Grid 3 <b>M4</b><br><b>27.5 dBV/m</b>  |
| Grid 4 <b>M4</b><br><b>29.51 dBV/m</b> | Grid 5 <b>M3</b><br><b>30.16 dBV/m</b> | Grid 6 <b>M4</b><br><b>29.08 dBV/m</b> |
| Grid 7 <b>M3</b><br><b>32.14 dBV/m</b> | Grid 8 <b>M3</b><br><b>32.26 dBV/m</b> | Grid 9 <b>M4</b><br><b>29.92 dBV/m</b> |



0 dB = 41.01 V/m = 32.26 dBV/m

## HAC-RF Emission ANT5

Communication System: UID 10069 - CAD, IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps); Frequency: 5200 MHz; Duty Cycle: 1:11.3763

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1) @ 5200 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)

### 802.11a E-Field measurement/IEEE 802.11a\_OFDM 54 Mbps Ch. 40/Hearing Aid Compatibility Test (101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 6.252 V/m; Power Drift = -0.05 dB

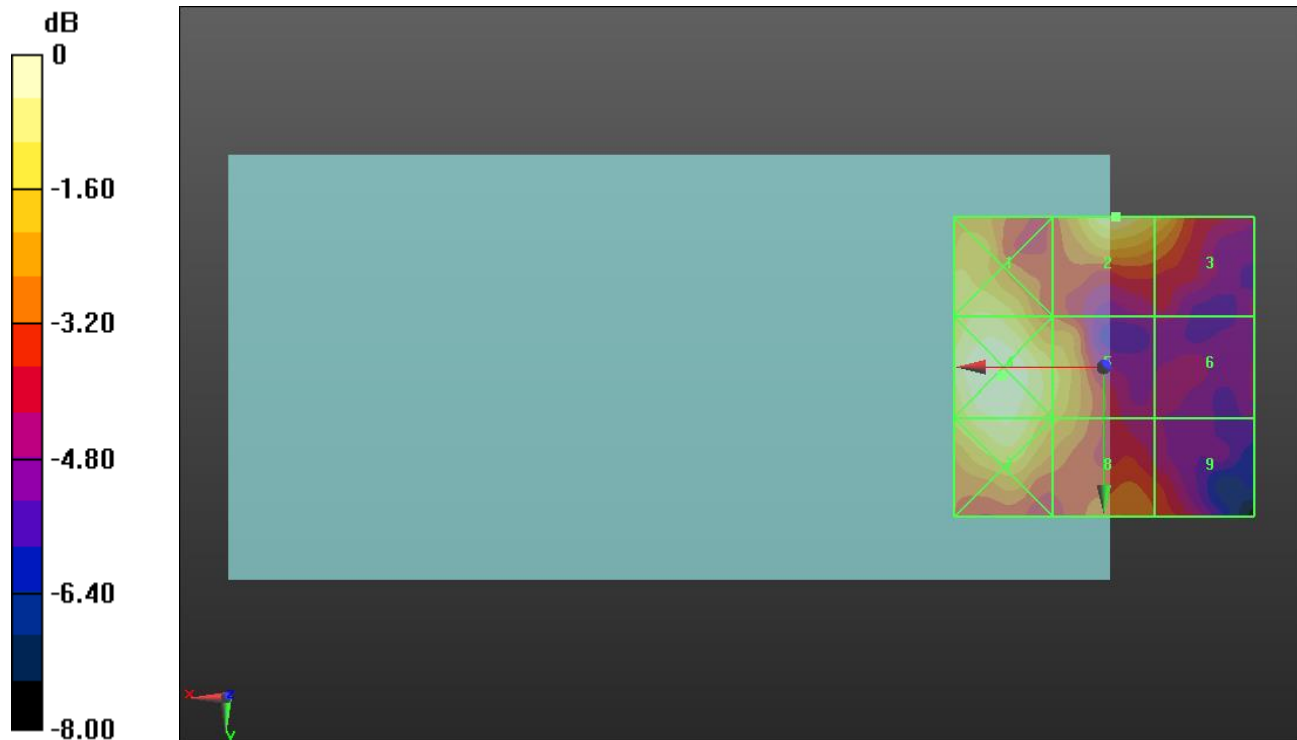
Applied MIF = -3.15 dB

RF audio interference level = 15.23 dBV/m

Emission category: **M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>14.82 dBV/m</b> | Grid 2 <b>M4</b><br><b>15.23 dBV/m</b> | Grid 3 <b>M4</b><br><b>14.52 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>15.8 dBV/m</b>  | Grid 5 <b>M4</b><br><b>14.41 dBV/m</b> | Grid 6 <b>M4</b><br><b>11.47 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>15.37 dBV/m</b> | Grid 8 <b>M4</b><br><b>13.88 dBV/m</b> | Grid 9 <b>M4</b><br><b>12.62 dBV/m</b> |



0 dB = 6.163 V/m = 15.80 dBV/m

## HAC-RF Emission ANT5

Communication System: UID 10069 - CAD, IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps); Frequency: 5220 MHz; Duty Cycle: 1:11.3763

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1) @ 5220 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)

## 802.11a E-Field measurement/IEEE 802.11a\_OFDM 54 Mbps Ch. 44/Hearing Aid Compatibility Test (101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 6.790 V/m; Power Drift = -0.12 dB

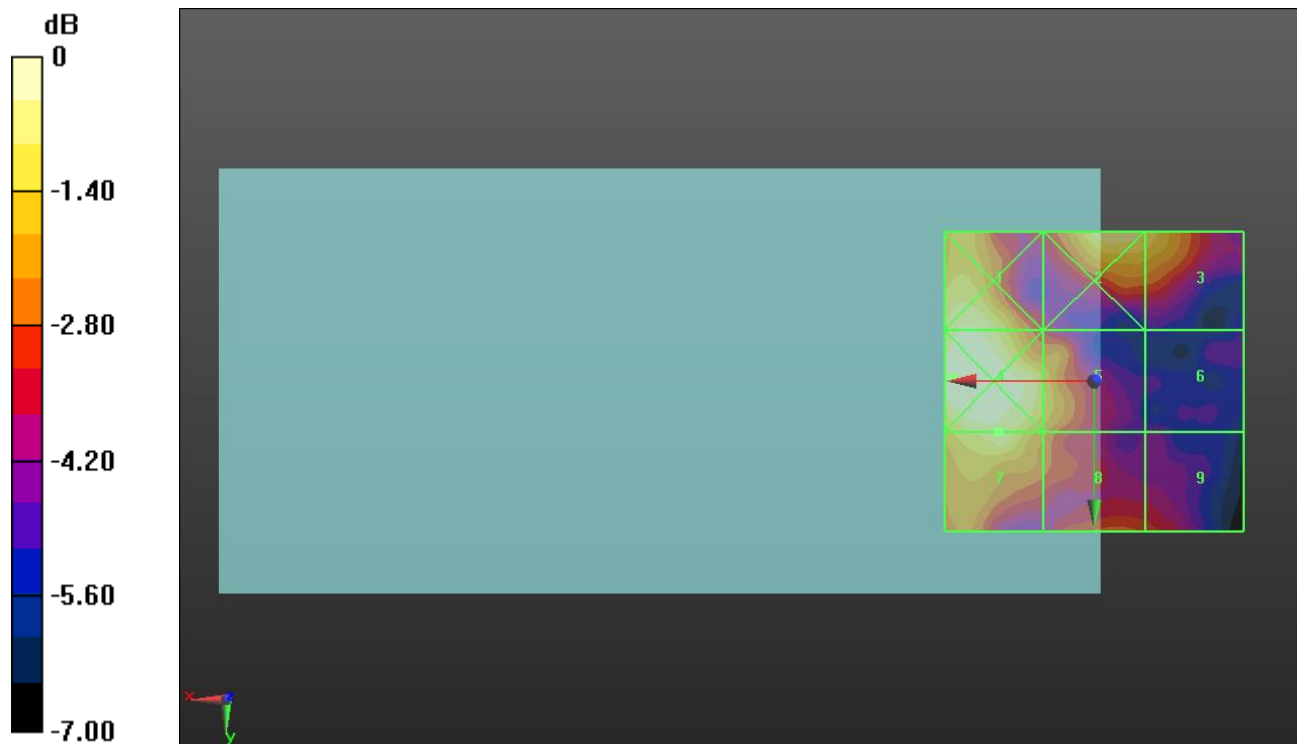
Applied MIF = -3.15 dB

RF audio interference level = 15.26 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>15.49 dBV/m</b> | Grid 2 <b>M4</b><br><b>15.37 dBV/m</b> | Grid 3 <b>M4</b><br><b>14.87 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>15.86 dBV/m</b> | Grid 5 <b>M4</b><br><b>14.59 dBV/m</b> | Grid 6 <b>M4</b><br><b>11.28 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>15.26 dBV/m</b> | Grid 8 <b>M4</b><br><b>13.71 dBV/m</b> | Grid 9 <b>M4</b><br><b>12.96 dBV/m</b> |



0 dB = 6.210 V/m = 15.86 dBV/m

## HAC-RF Emission ANT5

Communication System: UID 10069 - CAD, IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps); Frequency: 5240 MHz; Duty Cycle: 1:11.3763

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1) @ 5240 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)

## 802.11a E-Field measurement/IEEE 802.11a\_OFDM 54 Mbps Ch. 48/Hearing Aid Compatibility Test (101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 7.457 V/m; Power Drift = -0.17 dB

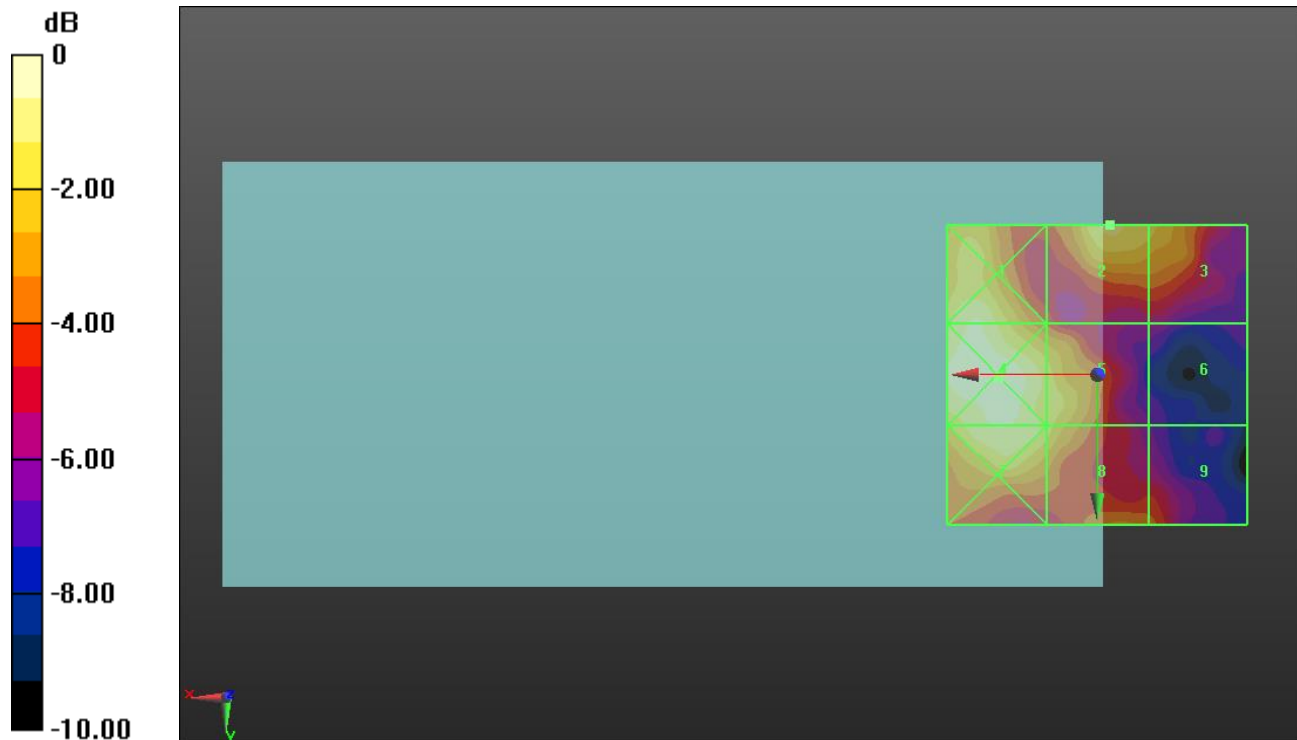
Applied MIF = -3.15 dB

RF audio interference level = 15.23 dBV/m

Emission category: **M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>15.73 dBV/m</b> | Grid 2 <b>M4</b><br><b>15.23 dBV/m</b> | Grid 3 <b>M4</b><br><b>14.63 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>16.32 dBV/m</b> | Grid 5 <b>M4</b><br><b>14.8 dBV/m</b>  | Grid 6 <b>M4</b><br><b>10.5 dBV/m</b>  |
| Grid 7 <b>M4</b><br><b>15.69 dBV/m</b> | Grid 8 <b>M4</b><br><b>14.67 dBV/m</b> | Grid 9 <b>M4</b><br><b>12.76 dBV/m</b> |



0 dB = 6.548 V/m = 16.32 dBV/m

## HAC-RF Emission ANT5

Communication System: UID 10069 - CAD, IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps); Frequency: 5260 MHz; Duty Cycle: 1:11.3763

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1) @ 5260 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)

### 802.11a E-Field measurement/IEEE 802.11a\_OFDM 54 Mbps Ch. 52/Hearing Aid Compatibility Test (101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 7.493 V/m; Power Drift = -0.13 dB

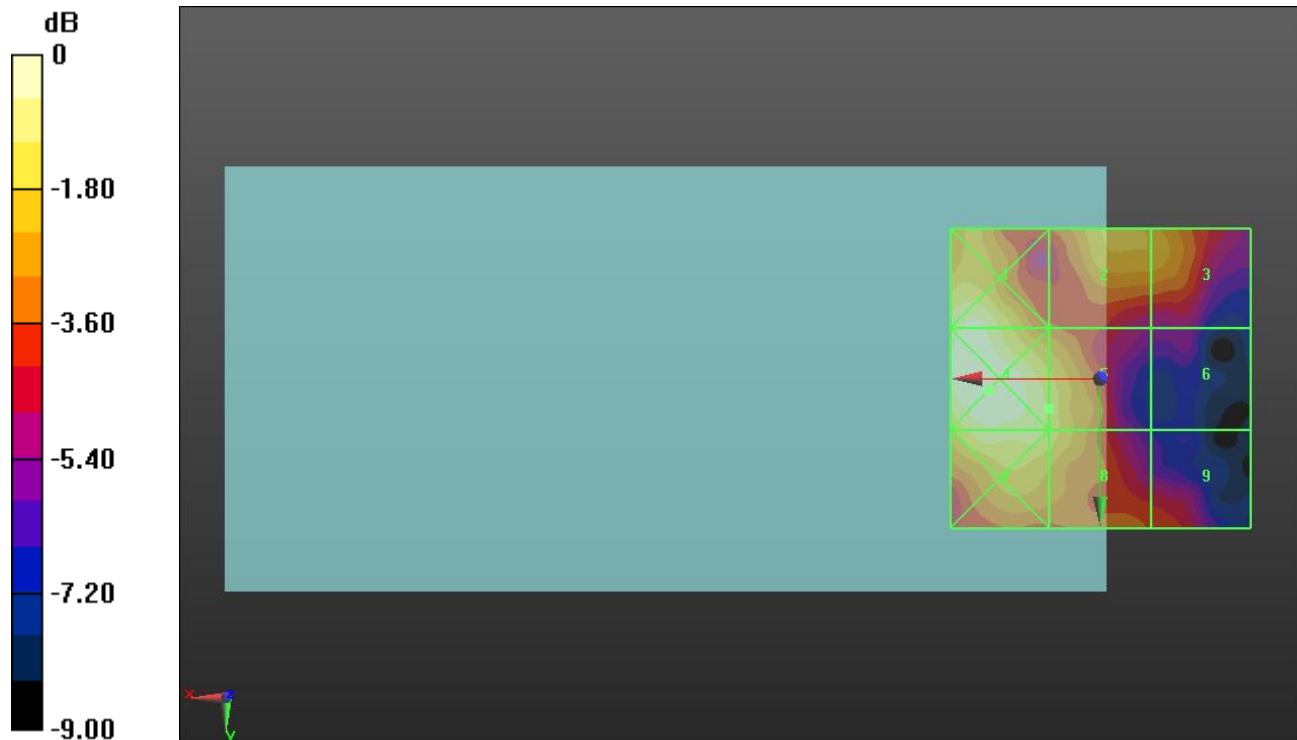
Applied MIF = -3.15 dB

RF audio interference level = 15.01 dBV/m

Emission category: **M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>15.92 dBV/m</b> | Grid 2 <b>M4</b><br><b>14.87 dBV/m</b> | Grid 3 <b>M4</b><br><b>14.5 dBV/m</b>  |
| Grid 4 <b>M4</b><br><b>16.34 dBV/m</b> | Grid 5 <b>M4</b><br><b>15.01 dBV/m</b> | Grid 6 <b>M4</b><br><b>11.08 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>15.64 dBV/m</b> | Grid 8 <b>M4</b><br><b>14.95 dBV/m</b> | Grid 9 <b>M4</b><br><b>12.61 dBV/m</b> |



0 dB = 6.565 V/m = 16.34 dBV/m

## HAC-RF Emission ANT5

Communication System: UID 10069 - CAD, IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps); Frequency: 5280 MHz; Duty Cycle: 1:11.3763

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1) @ 5280 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)

### 802.11a E-Field measurement/IEEE 802.11a\_OFDM 54 Mbps Ch. 56/Hearing Aid Compatibility Test (101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 7.617 V/m; Power Drift = 0.02 dB

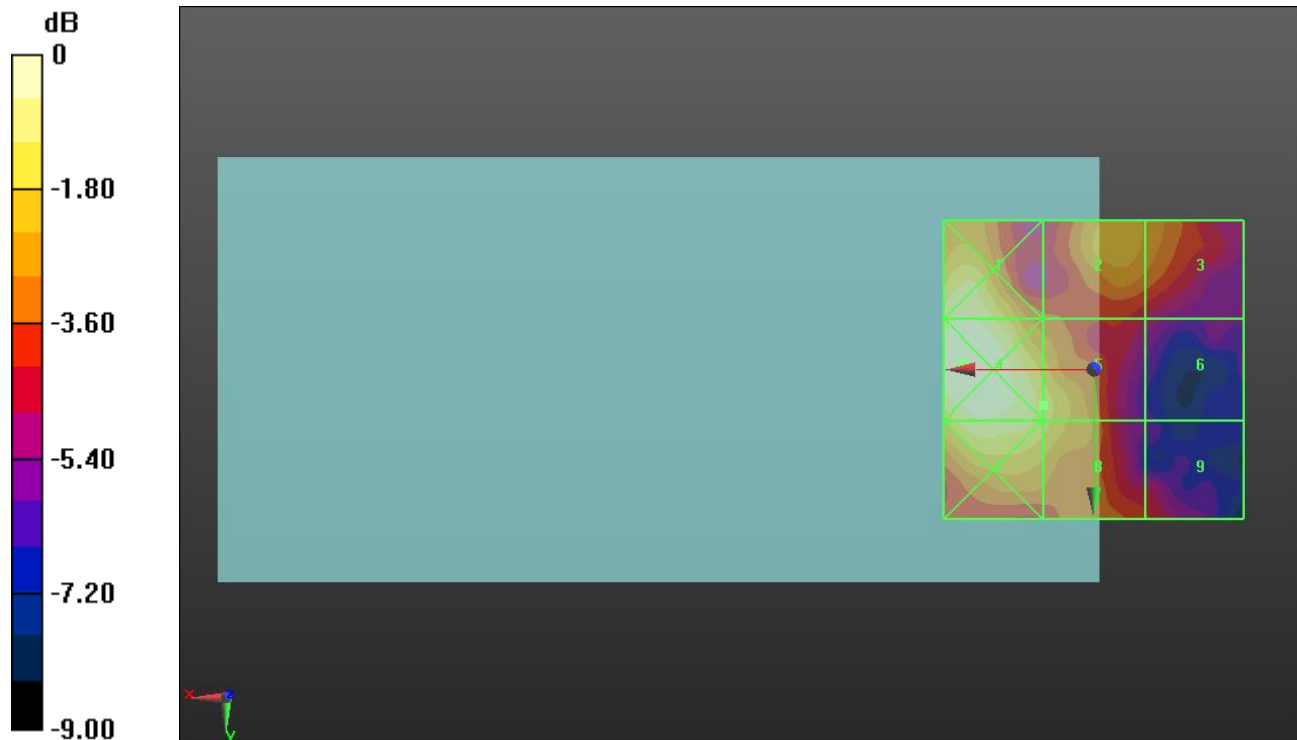
Applied MIF = -3.15 dB

RF audio interference level = 15.73 dBV/m

Emission category: **M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>16.61 dBV/m</b> | Grid 2 <b>M4</b><br><b>15.16 dBV/m</b> | Grid 3 <b>M4</b><br><b>14.7 dBV/m</b>  |
| Grid 4 <b>M4</b><br><b>17.14 dBV/m</b> | Grid 5 <b>M4</b><br><b>15.73 dBV/m</b> | Grid 6 <b>M4</b><br><b>12.39 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>16.53 dBV/m</b> | Grid 8 <b>M4</b><br><b>15.64 dBV/m</b> | Grid 9 <b>M4</b><br><b>13.13 dBV/m</b> |



0 dB = 7.197 V/m = 17.14 dBV/m

## HAC-RF Emission ANT5

Communication System: UID 10069 - CAD, IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps); Frequency: 5300 MHz; Duty Cycle: 1:11.3763

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1) @ 5300 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)

### 802.11a E-Field measurement/IEEE 802.11a\_OFDM 54 Mbps Ch. 60/Hearing Aid Compatibility Test (101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 8.303 V/m; Power Drift = 0.01 dB

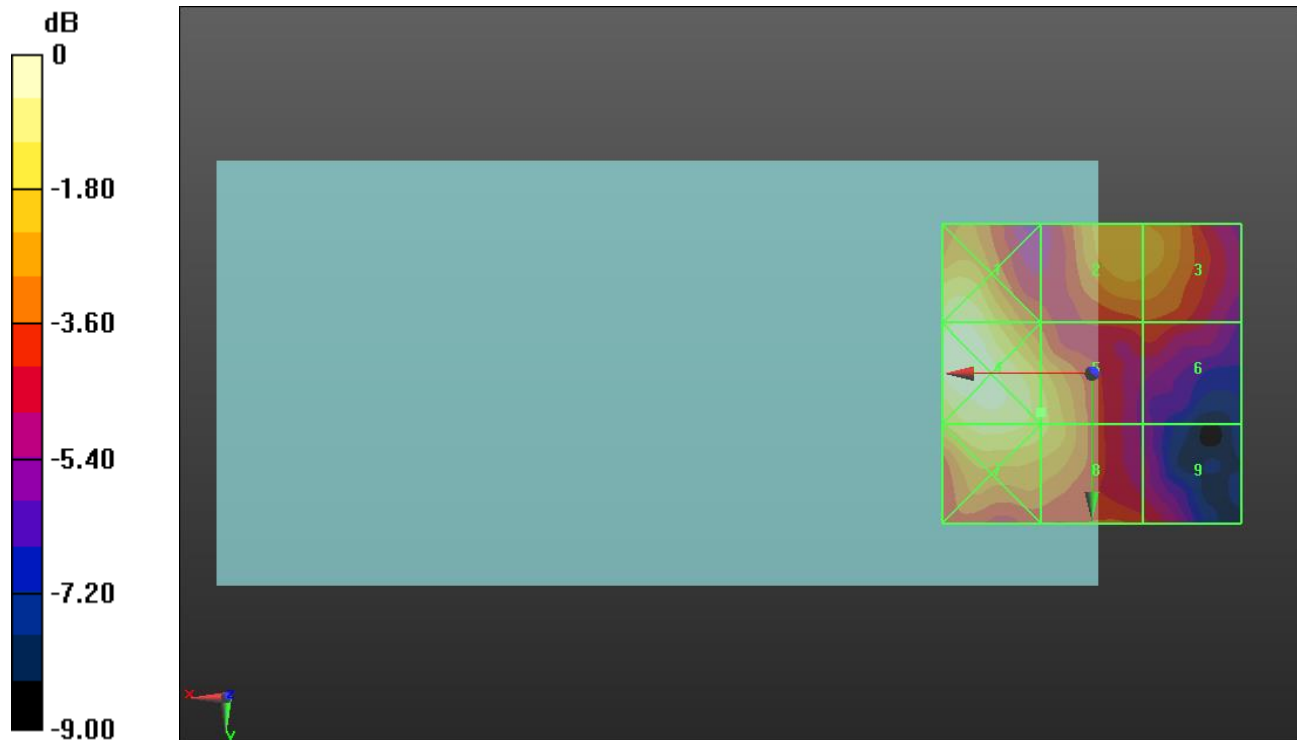
Applied MIF = -3.15 dB

RF audio interference level = 16.31 dBV/m

Emission category: **M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>17.27 dBV/m</b> | Grid 2 <b>M4</b><br><b>15.98 dBV/m</b> | Grid 3 <b>M4</b><br><b>15.9 dBV/m</b>  |
| Grid 4 <b>M4</b><br><b>17.82 dBV/m</b> | Grid 5 <b>M4</b><br><b>16.31 dBV/m</b> | Grid 6 <b>M4</b><br><b>14.14 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>16.9 dBV/m</b>  | Grid 8 <b>M4</b><br><b>16.24 dBV/m</b> | Grid 9 <b>M4</b><br><b>13.89 dBV/m</b> |



0 dB = 7.777 V/m = 17.82 dBV/m

## HAC-RF Emission ANT5

Communication System: UID 10069 - CAD, IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps); Frequency: 5520 MHz; Duty Cycle: 1:11.3763

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1) @ 5520 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)

## 802.11a E-Field measurement/IEEE 802.11a\_OFDM 54 Mbps Ch. 104/Hearing Aid Compatibility Test (101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 11.28 V/m; Power Drift = -0.03 dB

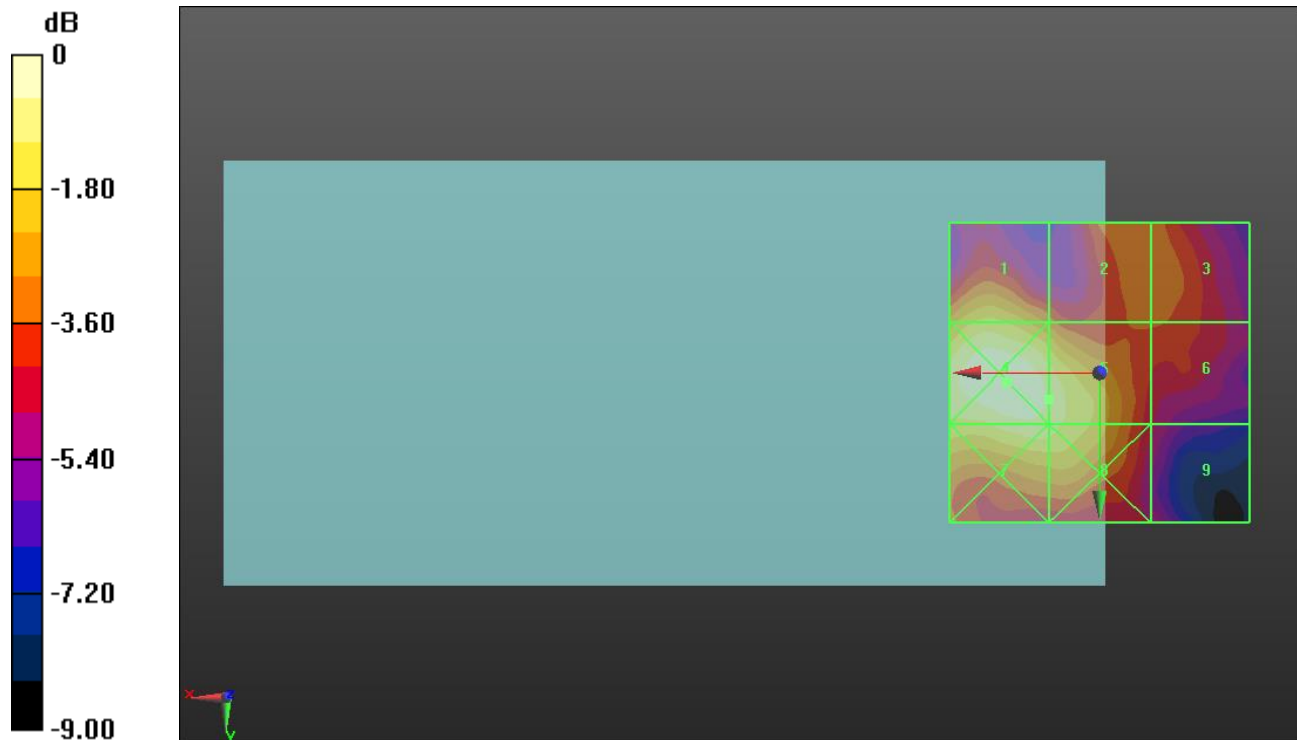
Applied MIF = -3.15 dB

RF audio interference level = 18.33 dBV/m

Emission category: **M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>17.42 dBV/m</b> | Grid 2 <b>M4</b><br><b>15.9 dBV/m</b>  | Grid 3 <b>M4</b><br><b>15.9 dBV/m</b>  |
| Grid 4 <b>M4</b><br><b>19 dBV/m</b>    | Grid 5 <b>M4</b><br><b>18.33 dBV/m</b> | Grid 6 <b>M4</b><br><b>15.51 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>18.29 dBV/m</b> | Grid 8 <b>M4</b><br><b>18.12 dBV/m</b> | Grid 9 <b>M4</b><br><b>14.42 dBV/m</b> |



0 dB = 8.915 V/m = 19.00 dBV/m

## HAC-RF Emission ANT5

Communication System: UID 10069 - CAD, IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps); Frequency: 5620 MHz; Duty Cycle: 1:11.3763

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1) @ 5620 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)

## 802.11a E-Field measurement/IEEE 802.11a\_OFDM 54 Mbps Ch. 124/Hearing Aid Compatibility Test (101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 12.01 V/m; Power Drift = -0.17 dB

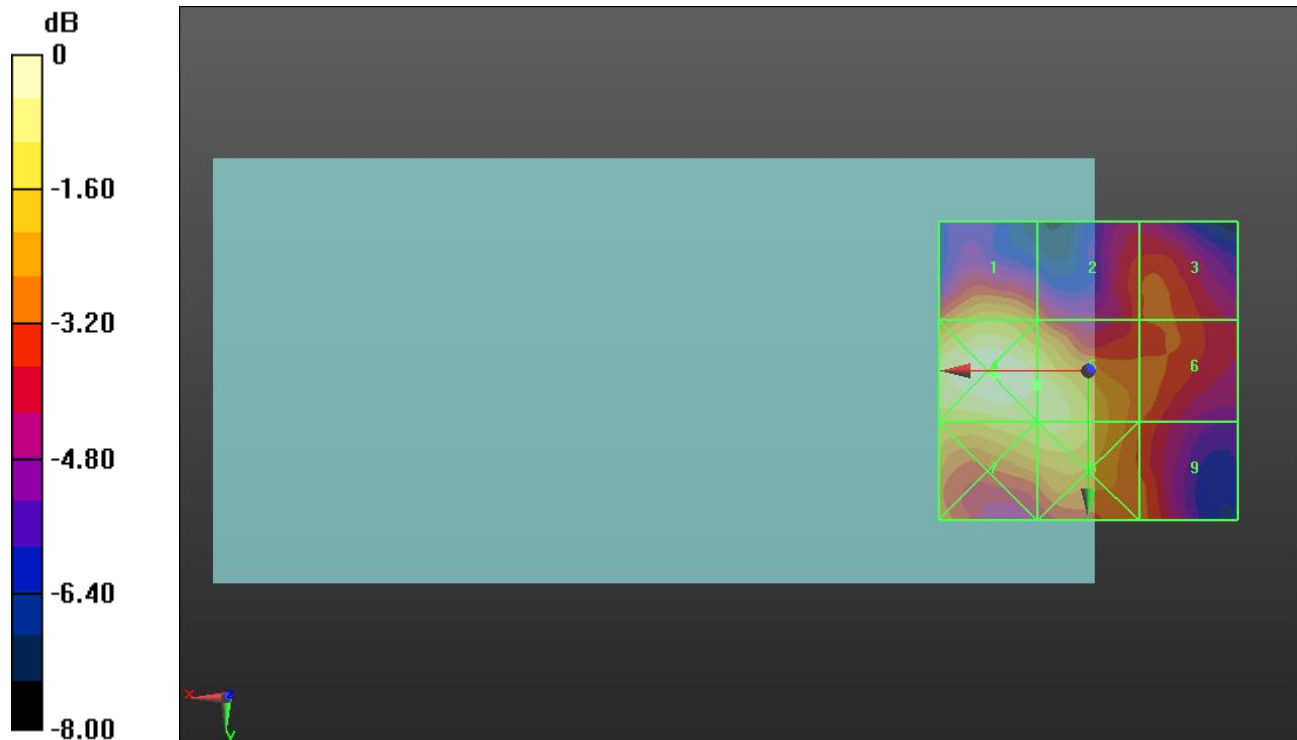
Applied MIF = -3.15 dB

RF audio interference level = 18.42 dBV/m

Emission category: **M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>17.4 dBV/m</b>  | Grid 2 <b>M4</b><br><b>16.18 dBV/m</b> | Grid 3 <b>M4</b><br><b>16.02 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>19.01 dBV/m</b> | Grid 5 <b>M4</b><br><b>18.42 dBV/m</b> | Grid 6 <b>M4</b><br><b>16.21 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>18.03 dBV/m</b> | Grid 8 <b>M4</b><br><b>18.13 dBV/m</b> | Grid 9 <b>M4</b><br><b>16.06 dBV/m</b> |



0 dB = 8.925 V/m = 19.01 dBV/m

## HAC-RF Emission ANT5

Communication System: UID 10069 - CAD, IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps); Frequency: 5720 MHz; Duty Cycle: 1:11.3763

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1) @ 5720 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)

## 802.11a E-Field measurement/IEEE 802.11a\_OFDM 54 Mbps Ch. 144/Hearing Aid Compatibility Test (101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 10.85 V/m; Power Drift = 0.07 dB

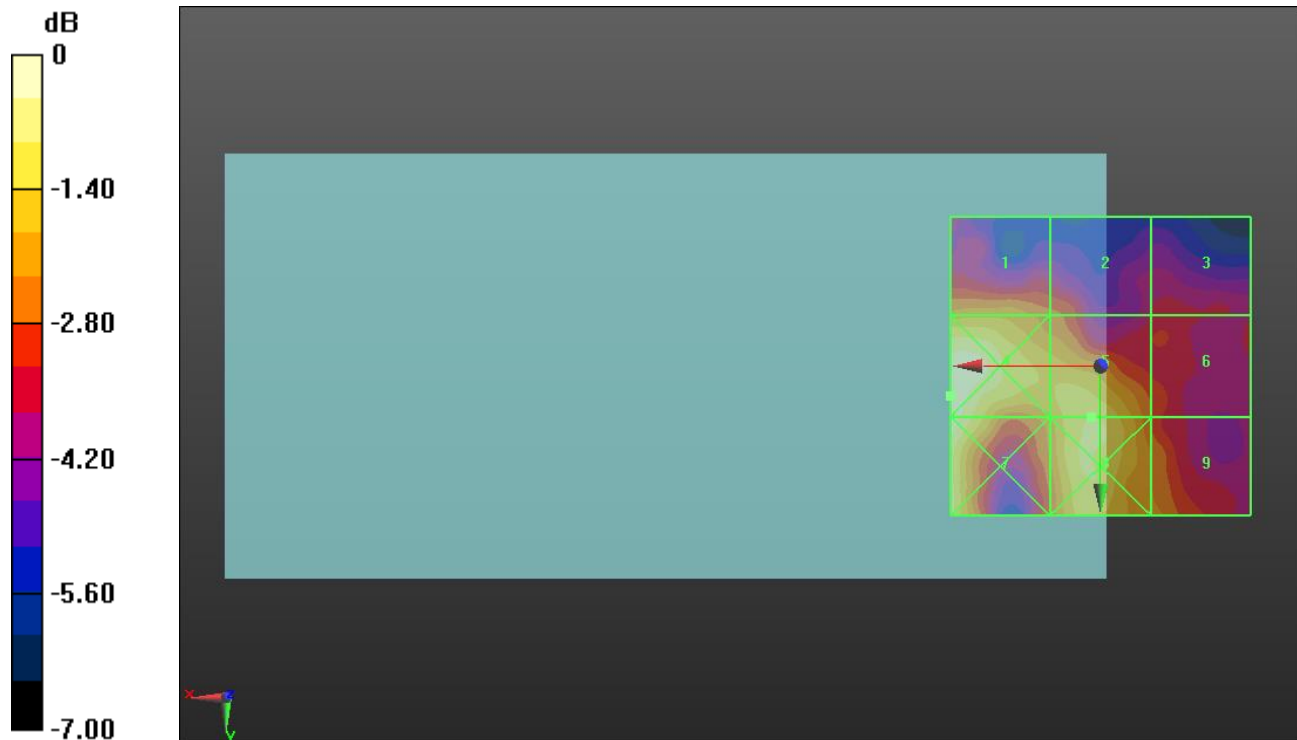
Applied MIF = -3.15 dB

RF audio interference level = 16.90 dBV/m

Emission category: **M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>15.87 dBV/m</b> | Grid 2 <b>M4</b><br><b>15.24 dBV/m</b> | Grid 3 <b>M4</b><br><b>14.38 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>17.83 dBV/m</b> | Grid 5 <b>M4</b><br><b>16.9 dBV/m</b>  | Grid 6 <b>M4</b><br><b>15.02 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>17.71 dBV/m</b> | Grid 8 <b>M4</b><br><b>17.02 dBV/m</b> | Grid 9 <b>M4</b><br><b>15.72 dBV/m</b> |



0 dB = 7.788 V/m = 17.83 dBV/m

## HAC-RF Emission ANT5

Communication System: UID 10069 - CAD, IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps); Frequency: 5745 MHz; Duty Cycle: 1:11.3763

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1) @ 5745 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)

## 802.11a E-Field measurement/IEEE 802.11a\_OFDM 54 Mbps Ch. 149/Hearing Aid Compatibility Test (101x101x1):

Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 9.418 V/m; Power Drift = 0.08 dB

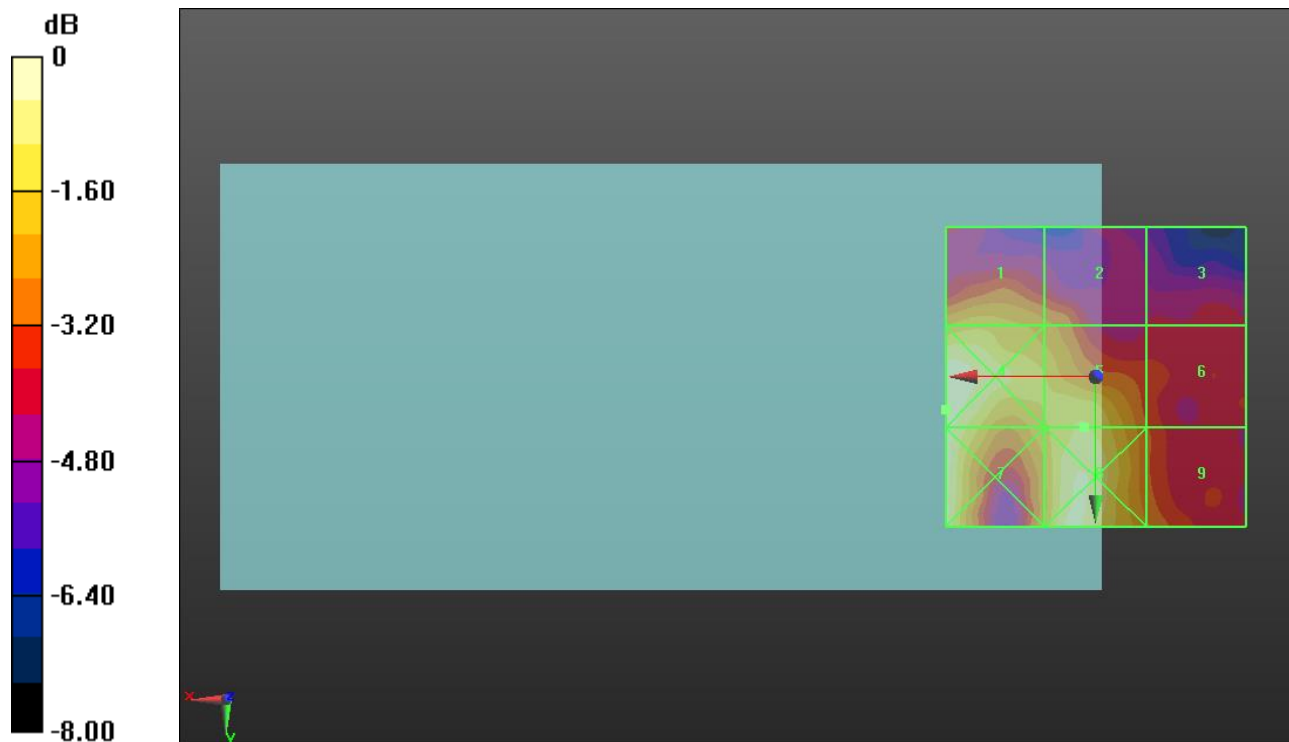
Applied MIF = -3.15 dB

RF audio interference level = 16.39 dBV/m

Emission category: **M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>15.68 dBV/m</b> | Grid 2 <b>M4</b><br><b>14.96 dBV/m</b> | Grid 3 <b>M4</b><br><b>13.62 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>17.39 dBV/m</b> | Grid 5 <b>M4</b><br><b>16.39 dBV/m</b> | Grid 6 <b>M4</b><br><b>14.27 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>17.22 dBV/m</b> | Grid 8 <b>M4</b><br><b>17.13 dBV/m</b> | Grid 9 <b>M4</b><br><b>14.85 dBV/m</b> |



0 dB = 7.409 V/m = 17.40 dBV/m

## HAC-RF Emission ANT5

Communication System: UID 10069 - CAD, IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps); Frequency: 5785 MHz; Duty Cycle: 1:11.3763

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1) @ 5785 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)

## 802.11a E-Field measurement/IEEE 802.11a\_OFDM 54 Mbps Ch. 157/Hearing Aid

**Compatibility Test (101x101x1):** Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 8.135 V/m; Power Drift = 0.17 dB

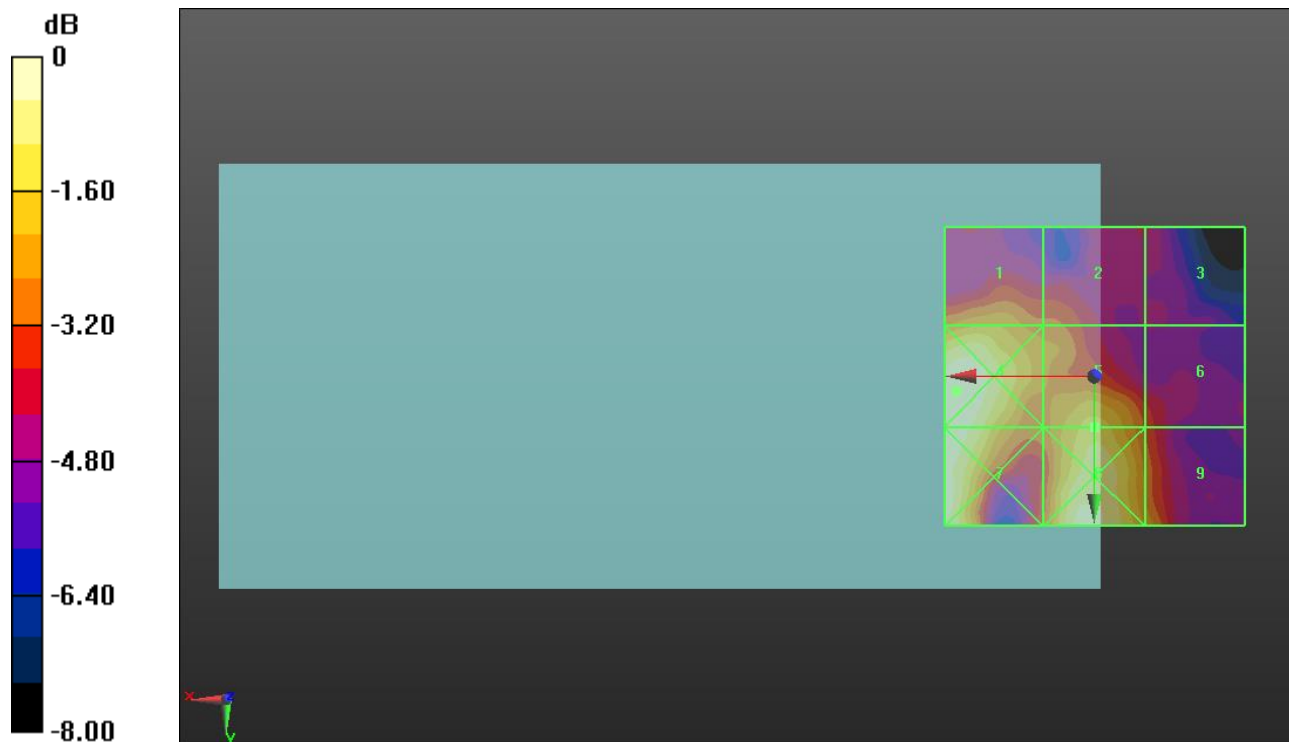
Applied MIF = -3.15 dB

RF audio interference level = 15.98 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>15.21 dBV/m</b> | Grid 2 <b>M4</b><br><b>14.34 dBV/m</b> | Grid 3 <b>M4</b><br><b>13.11 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>17.32 dBV/m</b> | Grid 5 <b>M4</b><br><b>15.98 dBV/m</b> | Grid 6 <b>M4</b><br><b>14.04 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>17.23 dBV/m</b> | Grid 8 <b>M4</b><br><b>16.91 dBV/m</b> | Grid 9 <b>M4</b><br><b>15.19 dBV/m</b> |



0 dB = 7.349 V/m = 17.32 dBV/m

## HAC-RF Emission ANT5

Communication System: UID 10069 - CAD, IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps); Frequency: 5825 MHz; Duty Cycle: 1:11.3763

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1) @ 5825 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)

## 802.11a E-Field measurement/IEEE 802.11a\_OFDM 54 Mbps Ch. 165/Hearing Aid Compatibility Test (101x101x1):

Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 7.921 V/m; Power Drift = 0.12 dB

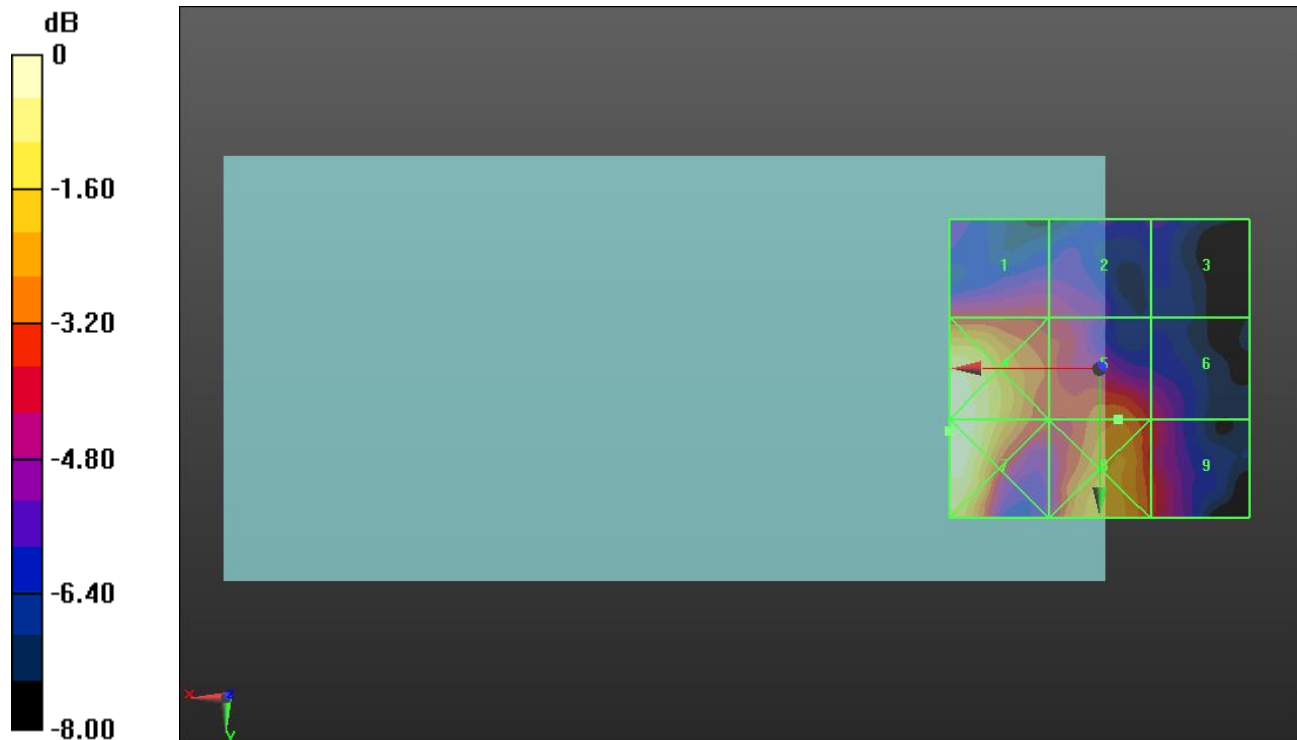
Applied MIF = -3.15 dB

RF audio interference level = 15.53 dBV/m

Emission category: **M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>14.47 dBV/m</b> | Grid 2 <b>M4</b><br><b>14.26 dBV/m</b> | Grid 3 <b>M4</b><br><b>12.67 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>18.16 dBV/m</b> | Grid 5 <b>M4</b><br><b>15.53 dBV/m</b> | Grid 6 <b>M4</b><br><b>14.31 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>18.23 dBV/m</b> | Grid 8 <b>M4</b><br><b>16.37 dBV/m</b> | Grid 9 <b>M4</b><br><b>14.84 dBV/m</b> |



0 dB = 8.159 V/m = 18.23 dBV/m

## HAC-RF Emission ANT7

Communication System: UID 10173 - CAG, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 3560 MHz; Duty Cycle: 1:8.8736

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1) @ 3560 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)

### LTE Band 48\_E-Field measurement/SC-FDMA RB 1/49 20 MHz 16QAM Ch.

**55340/Hearing Aid Compatibility Test (101x101x1):** Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 5.487 V/m; Power Drift = 0.13 dB

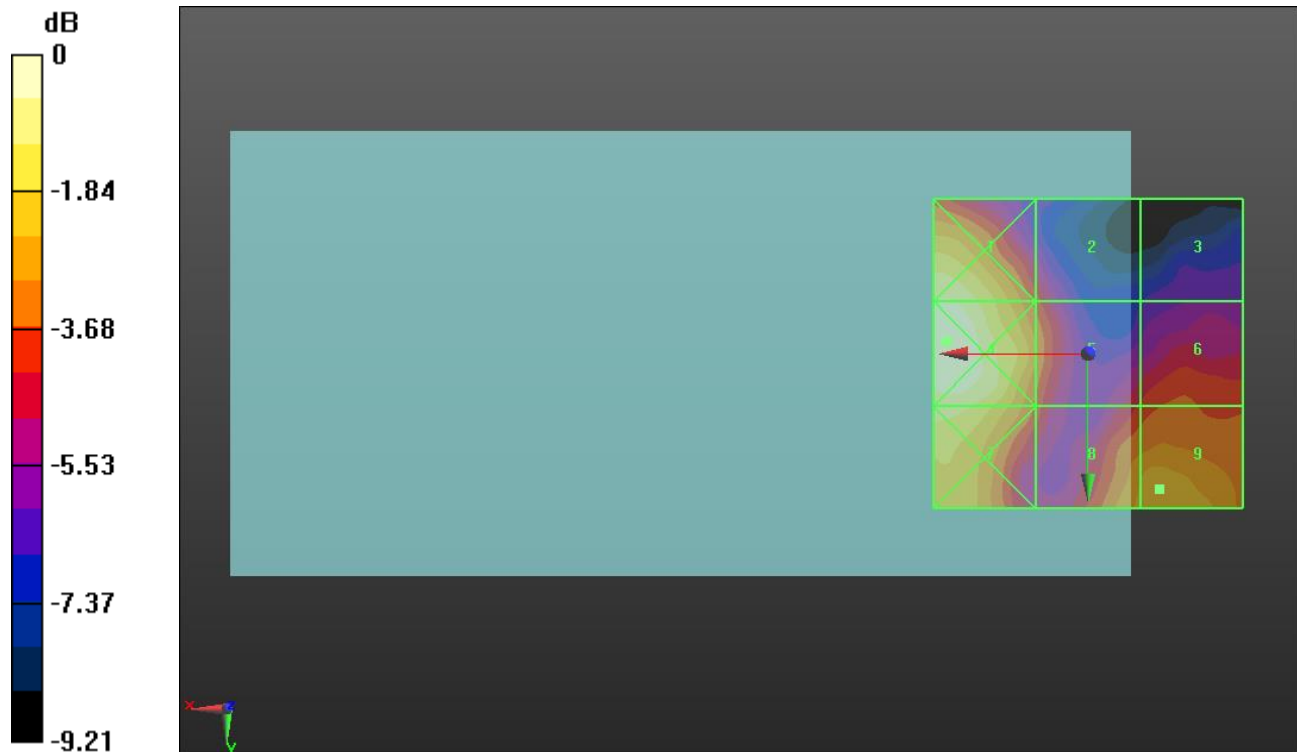
Applied MIF = -1.44 dB

RF audio interference level = 18.48 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>20.07 dBV/m</b> | Grid 2 <b>M4</b><br><b>16.63 dBV/m</b> | Grid 3 <b>M4</b><br><b>14.49 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>20.58 dBV/m</b> | Grid 5 <b>M4</b><br><b>17.64 dBV/m</b> | Grid 6 <b>M4</b><br><b>17 dBV/m</b>    |
| Grid 7 <b>M4</b><br><b>19.66 dBV/m</b> | Grid 8 <b>M4</b><br><b>18.26 dBV/m</b> | Grid 9 <b>M4</b><br><b>18.48 dBV/m</b> |



0 dB = 10.69 V/m = 20.58 dBV/m

## HAC-RF Emission ANT7

Communication System: UID 10173 - CAG, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 3603.3 MHz; Duty Cycle: 1:8.8736

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1) @ 3603.3 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)

### LTE Band 48\_E-Field measurement/SC-FDMA RB 1/49 20 MHz 16QAM Ch.

**55773/Hearing Aid Compatibility Test (101x101x1):** Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 6.292 V/m; Power Drift = 0.12 dB

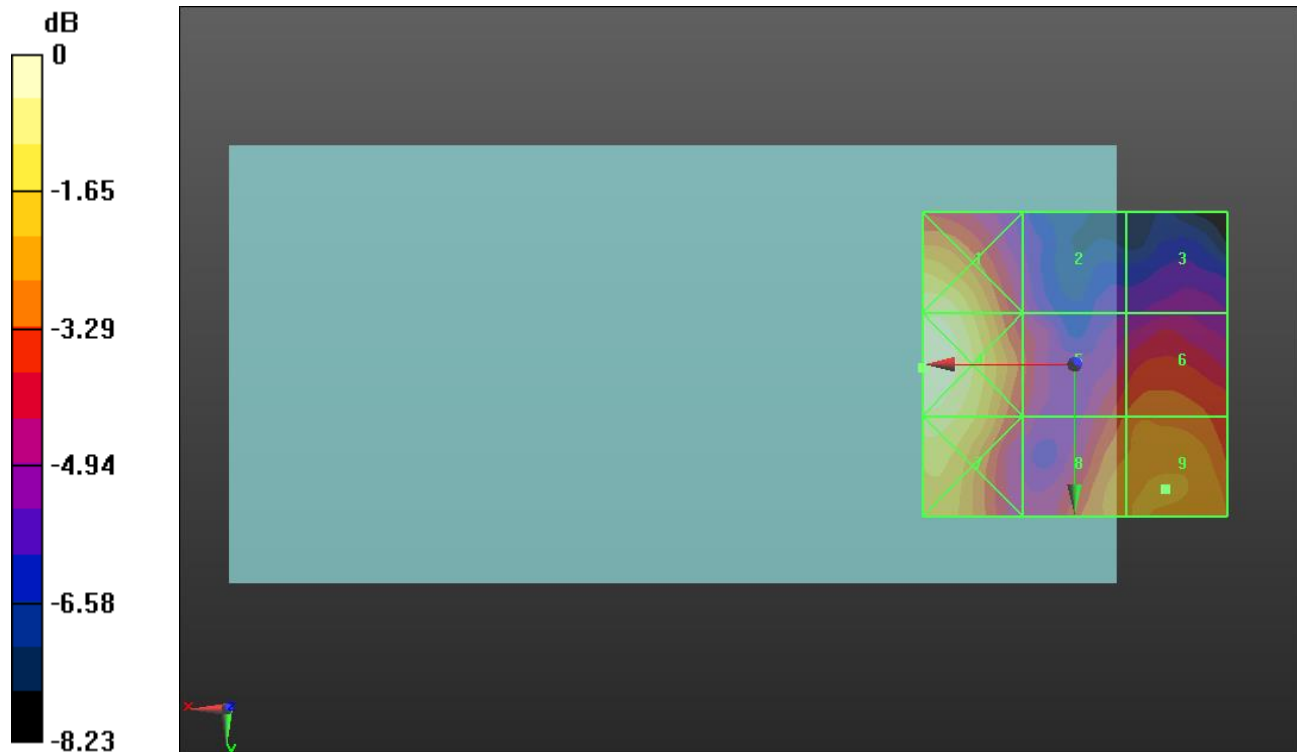
Applied MIF = -1.44 dB

RF audio interference level = 18.95 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>20.38 dBV/m</b> | Grid 2 <b>M4</b><br><b>16.51 dBV/m</b> | Grid 3 <b>M4</b><br><b>16.01 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>21 dBV/m</b>    | Grid 5 <b>M4</b><br><b>17.82 dBV/m</b> | Grid 6 <b>M4</b><br><b>18.2 dBV/m</b>  |
| Grid 7 <b>M4</b><br><b>20.31 dBV/m</b> | Grid 8 <b>M4</b><br><b>18.75 dBV/m</b> | Grid 9 <b>M4</b><br><b>18.95 dBV/m</b> |



0 dB = 11.22 V/m = 21.00 dBV/m

## HAC-RF Emission ANT7

Communication System: UID 10173 - CAG, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 3646.7 MHz; Duty Cycle: 1:8.8736

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1) @ 3646.7 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)

### LTE Band 48\_E-Field measurement/SC-FDMA RB 1/49 20 MHz 16QAM Ch.

**56207/Hearing Aid Compatibility Test (101x101x1):** Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 7.337 V/m; Power Drift = 0.01 dB

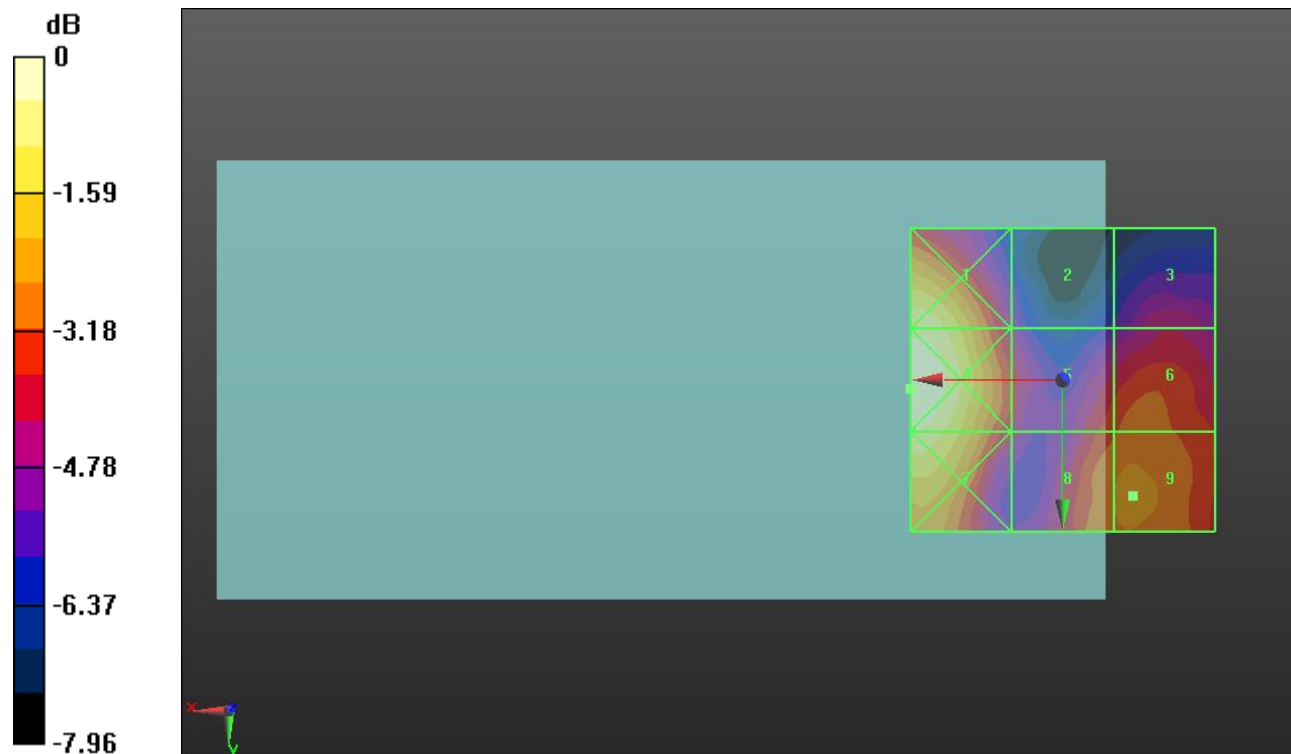
Applied MIF = -1.44 dB

RF audio interference level = 19.15 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>21.03 dBV/m</b> | Grid 2 <b>M4</b><br><b>16.99 dBV/m</b> | Grid 3 <b>M4</b><br><b>17.39 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>21.66 dBV/m</b> | Grid 5 <b>M4</b><br><b>18.43 dBV/m</b> | Grid 6 <b>M4</b><br><b>18.71 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>21.14 dBV/m</b> | Grid 8 <b>M4</b><br><b>19.01 dBV/m</b> | Grid 9 <b>M4</b><br><b>19.15 dBV/m</b> |



0 dB = 12.11 V/m = 21.66 dBV/m

## HAC-RF Emission ANT7

Communication System: UID 10173 - CAG, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 3690 MHz; Duty Cycle: 1:8.8736

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1) @ 3690 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)

### LTE Band 48\_E-Field measurement/SC-FDMA RB 1/49 20 MHz 16QAM Ch.

**56640/Hearing Aid Compatibility Test (101x101x1):** Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 7.928 V/m; Power Drift = -0.11 dB

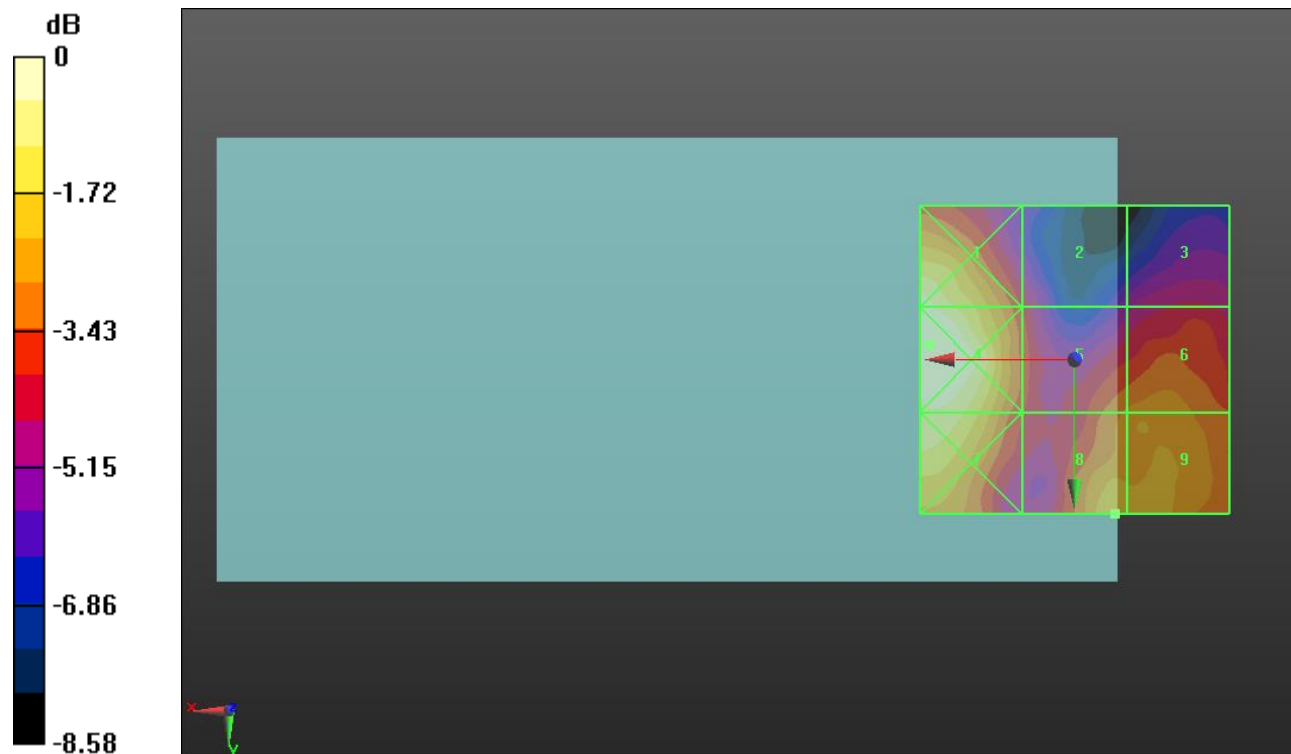
Applied MIF = -1.44 dB

RF audio interference level = 20.21 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>21.75 dBV/m</b> | Grid 2 <b>M4</b><br><b>17.93 dBV/m</b> | Grid 3 <b>M4</b><br><b>17.6 dBV/m</b>  |
| Grid 4 <b>M4</b><br><b>21.99 dBV/m</b> | Grid 5 <b>M4</b><br><b>19.28 dBV/m</b> | Grid 6 <b>M4</b><br><b>19.53 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>21.38 dBV/m</b> | Grid 8 <b>M4</b><br><b>20.21 dBV/m</b> | Grid 9 <b>M4</b><br><b>19.95 dBV/m</b> |



0 dB = 12.58 V/m = 21.99 dBV/m

## HAC-RF Emission ANT8

Communication System: UID 10173 - CAG, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 3560 MHz; Duty Cycle: 1:8.8736

Dasy Configuration:

- Phantom section: RF Section
- Electronics: DAE4 Sn1434; Calibrated: 11/11/2021
- Probe: EF3DV3 - SN4028; Calibrated: 8/13/2021
- Sensor-Surface: (Fix Surface)
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB; Serial: 1155
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7495)

## LTE Band 48\_E-Field measurement/SC-FDMA RB 1/49 20 MHz 16QAM Ch.

**55340/Hearing Aid Compatibility Test (101x101x1):** Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 27.68 V/m; Power Drift = 0.07 dB

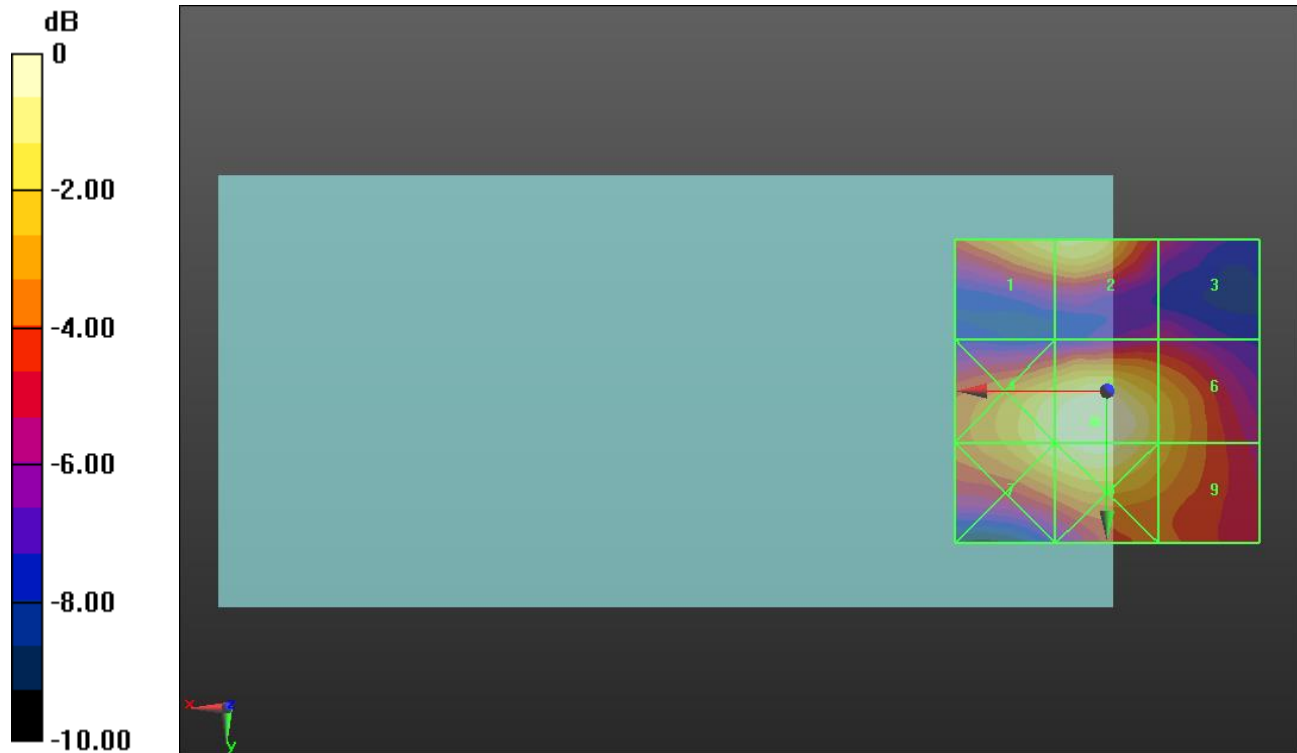
Applied MIF = -1.44 dB

RF audio interference level = 23.65 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>22.31 dBV/m</b> | Grid 2 <b>M4</b><br><b>22.46 dBV/m</b> | Grid 3 <b>M4</b><br><b>18.56 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>23.02 dBV/m</b> | Grid 5 <b>M4</b><br><b>23.65 dBV/m</b> | Grid 6 <b>M4</b><br><b>21.74 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>22.87 dBV/m</b> | Grid 8 <b>M4</b><br><b>23.33 dBV/m</b> | Grid 9 <b>M4</b><br><b>21.56 dBV/m</b> |



0 dB = 15.22 V/m = 23.65 dBV/m

## HAC-RF Emission ANT8

Communication System: UID 10173 - CAG, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 3603 MHz; Duty Cycle: 1:8.8736

Dasy Configuration:

- Phantom section: RF Section
- Electronics: DAE4 Sn1434; Calibrated: 11/11/2021
- Probe: EF3DV3 - SN4028; Calibrated: 8/13/2021
- Sensor-Surface: (Fix Surface)
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB; Serial: 1155
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7495)

### LTE Band 48\_E-Field measurement/SC-FDMA RB 1/49 20 MHz 16QAM Ch.

**55773/Hearing Aid Compatibility Test (101x101x1):** Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 28.84 V/m; Power Drift = -0.01 dB

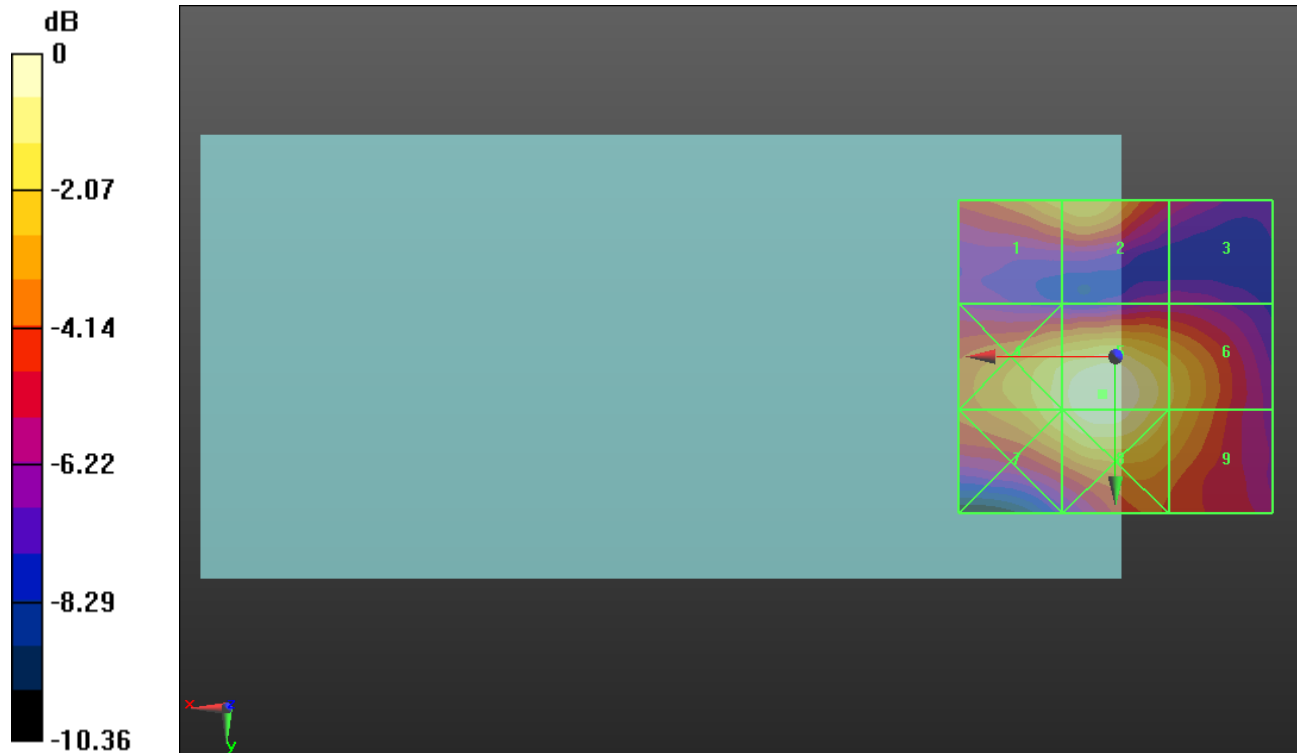
Applied MIF = -1.44 dB

RF audio interference level = 24.29 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>21.97 dBV/m</b> | Grid 2 <b>M4</b><br><b>22.13 dBV/m</b> | Grid 3 <b>M4</b><br><b>19.02 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>23.35 dBV/m</b> | Grid 5 <b>M4</b><br><b>24.29 dBV/m</b> | Grid 6 <b>M4</b><br><b>22.47 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>23.17 dBV/m</b> | Grid 8 <b>M4</b><br><b>24.09 dBV/m</b> | Grid 9 <b>M4</b><br><b>22.21 dBV/m</b> |



0 dB = 16.39 V/m = 24.29 dBV/m

## HAC-RF Emission ANT8

Communication System: UID 10173 - CAG, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 3646.7 MHz; Duty Cycle: 1:8.8736

Dasy Configuration:

- Phantom section: RF Section
- Electronics: DAE4 Sn1434; Calibrated: 11/11/2021
- Probe: EF3DV3 - SN4028; Calibrated: 8/13/2021
- Sensor-Surface: (Fix Surface)
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB; Serial: 1155
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7495)

## LTE Band 48\_E-Field measurement/SC-FDMA RB 1/49 20 MHz 16QAM Ch.

**56207/Hearing Aid Compatibility Test (101x101x1):** Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 28.04 V/m; Power Drift = 0.01 dB

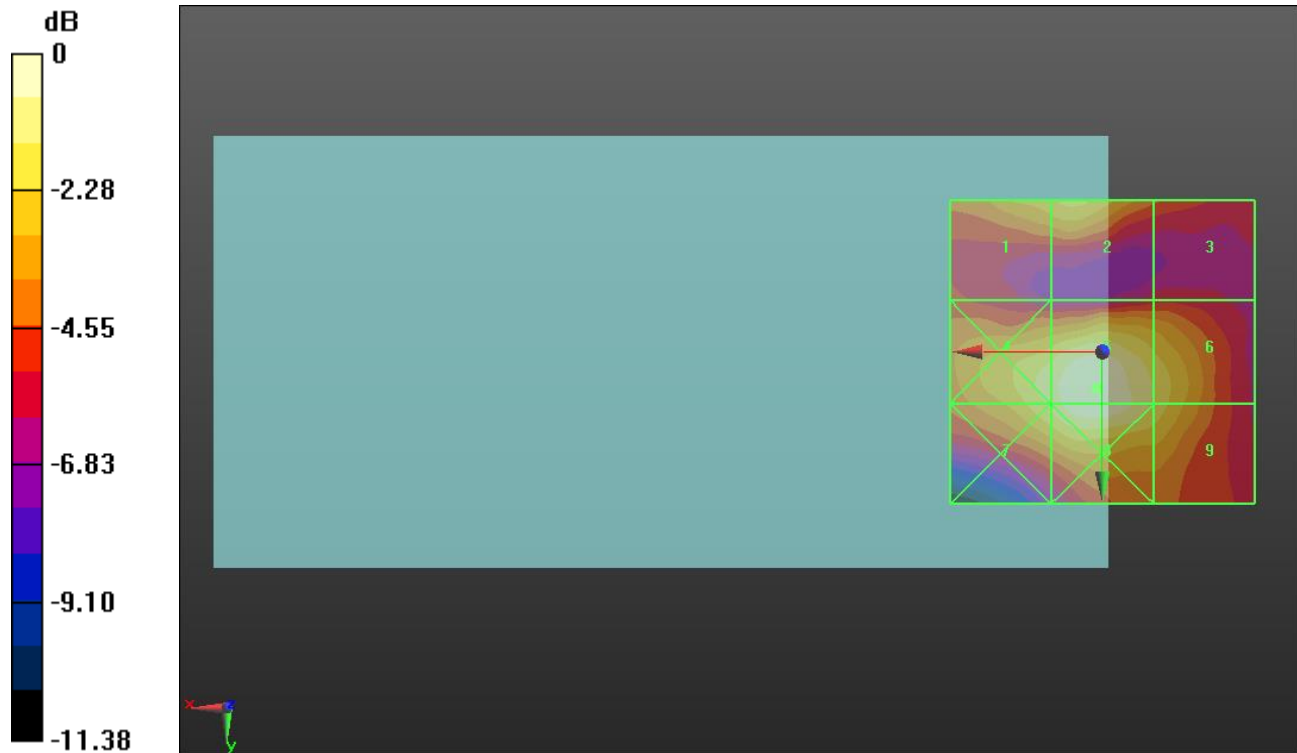
Applied MIF = -1.44 dB

RF audio interference level = 23.87 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>21.34 dBV/m</b> | Grid 2 <b>M4</b><br><b>21.84 dBV/m</b> | Grid 3 <b>M4</b><br><b>19.6 dBV/m</b>  |
| Grid 4 <b>M4</b><br><b>22.87 dBV/m</b> | Grid 5 <b>M4</b><br><b>23.87 dBV/m</b> | Grid 6 <b>M4</b><br><b>22.29 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>22.58 dBV/m</b> | Grid 8 <b>M4</b><br><b>23.69 dBV/m</b> | Grid 9 <b>M4</b><br><b>22.17 dBV/m</b> |



0 dB = 15.61 V/m = 23.87 dBV/m

## HAC-RF Emission ANT8

Communication System: UID 10173 - CAG, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 3690 MHz; Duty Cycle: 1:8.8736

Dasy Configuration:

- Phantom section: RF Section
- Electronics: DAE4 Sn1434; Calibrated: 11/11/2021
- Probe: EF3DV3 - SN4028; Calibrated: 8/13/2021
- Sensor-Surface: (Fix Surface)
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB; Serial: 1155
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7495)

### LTE Band 48\_E-Field measurement/SC-FDMA RB 1/49 20 MHz 16QAM Ch.

**56640/Hearing Aid Compatibility Test (101x101x1):** Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 26.06 V/m; Power Drift = -0.04 dB

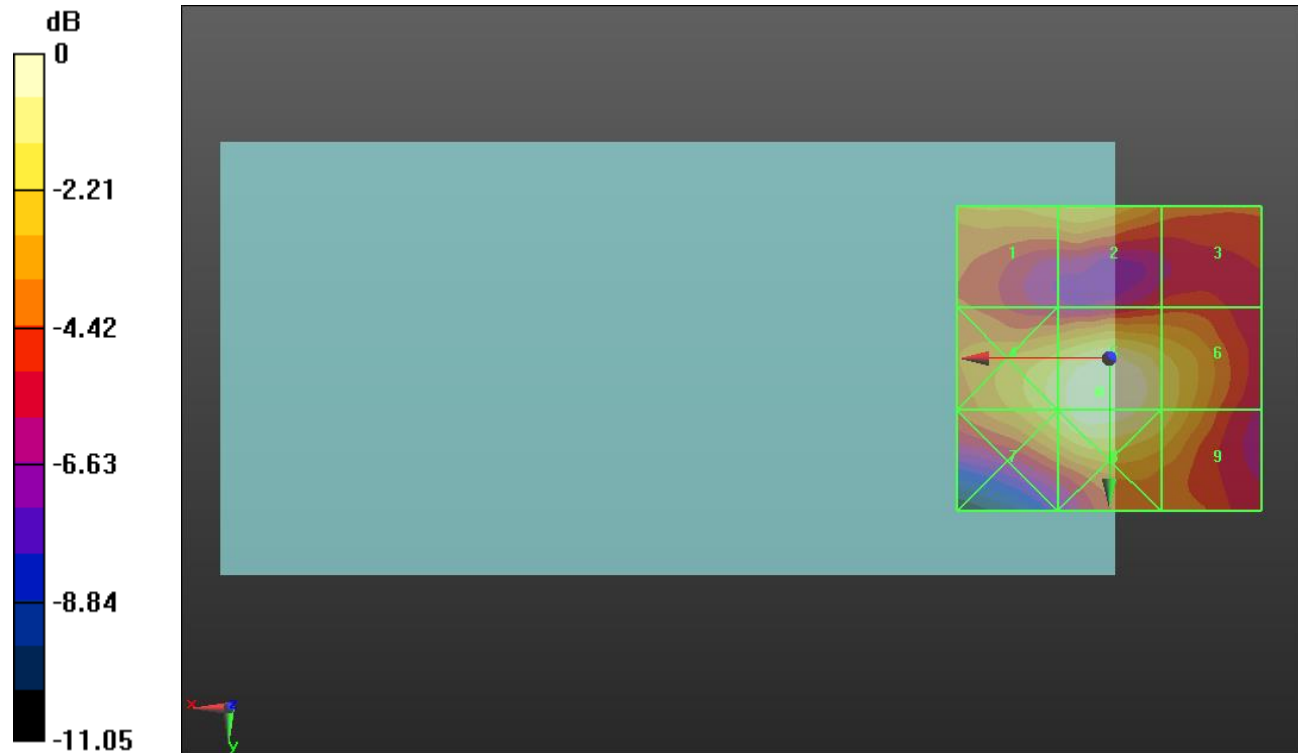
Applied MIF = -1.44 dB

RF audio interference level = 22.75 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>20.54 dBV/m</b> | Grid 2 <b>M4</b><br><b>20.67 dBV/m</b> | Grid 3 <b>M4</b><br><b>19.07 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>21.71 dBV/m</b> | Grid 5 <b>M4</b><br><b>22.75 dBV/m</b> | Grid 6 <b>M4</b><br><b>21.33 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>21.46 dBV/m</b> | Grid 8 <b>M4</b><br><b>22.53 dBV/m</b> | Grid 9 <b>M4</b><br><b>21.15 dBV/m</b> |



0 dB = 13.73 V/m = 22.75 dBV/m

## HAC-RF Emission ANT9

Communication System: UID 10173 - CAG, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 3560 MHz; Duty Cycle: 1:8.8736

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1) @ 3560 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)

### LTE Band 48\_E-Field measurement/SC-FDMA RB 1/49 20 MHz 16QAM Ch.

**55340/Hearing Aid Compatibility Test (101x101x1):** Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 10.07 V/m; Power Drift = 0.01 dB

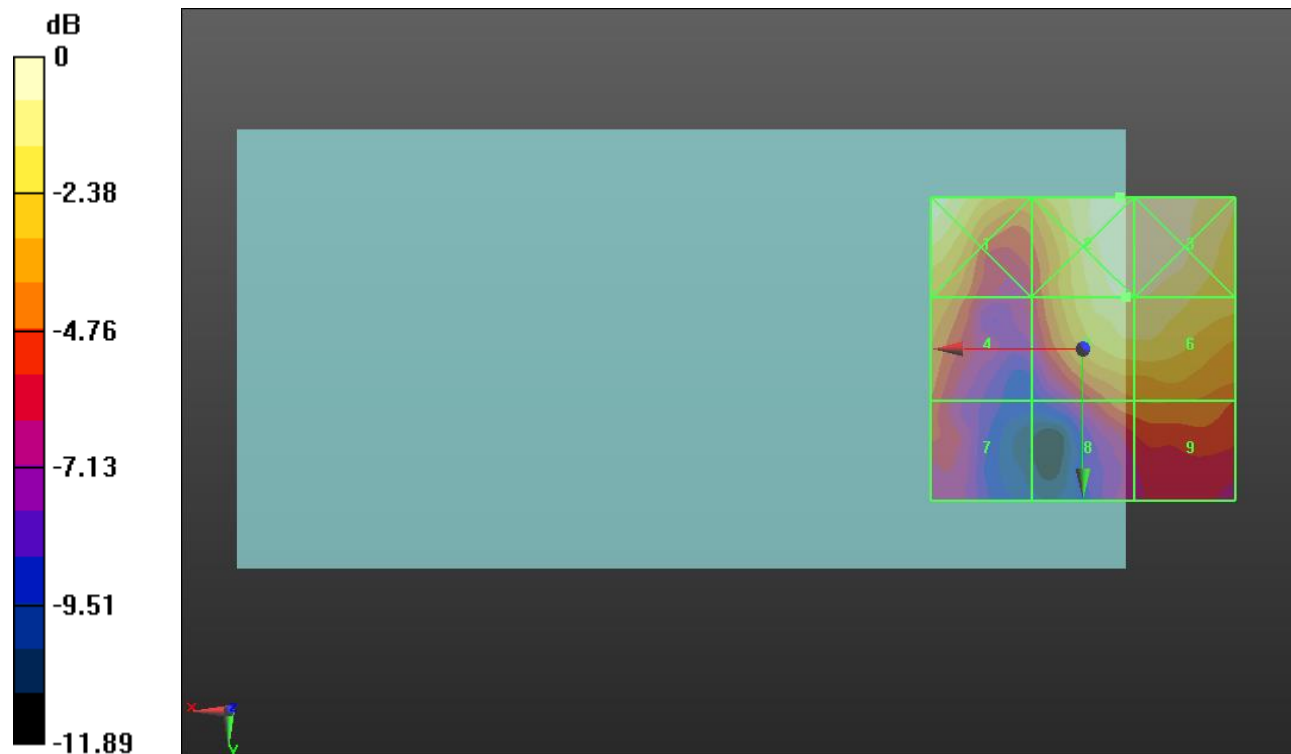
Applied MIF = -1.44 dB

RF audio interference level = 17.81 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>18.45 dBV/m</b> | Grid 2 <b>M4</b><br><b>18.57 dBV/m</b> | Grid 3 <b>M4</b><br><b>18.33 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>15.49 dBV/m</b> | Grid 5 <b>M4</b><br><b>17.81 dBV/m</b> | Grid 6 <b>M4</b><br><b>17.79 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>13.76 dBV/m</b> | Grid 8 <b>M4</b><br><b>14.5 dBV/m</b>  | Grid 9 <b>M4</b><br><b>14.7 dBV/m</b>  |



0 dB = 8.478 V/m = 18.57 dBV/m

## HAC-RF Emission ANT9

Communication System: UID 10173 - CAG, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 3603.3 MHz; Duty Cycle: 1:8.8736

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1) @ 3603.3 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)

### LTE Band 48\_E-Field measurement/SC-FDMA RB 1/49 20 MHz 16QAM Ch.

**55773/Hearing Aid Compatibility Test (101x101x1):** Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 9.791 V/m; Power Drift = -0.03 dB

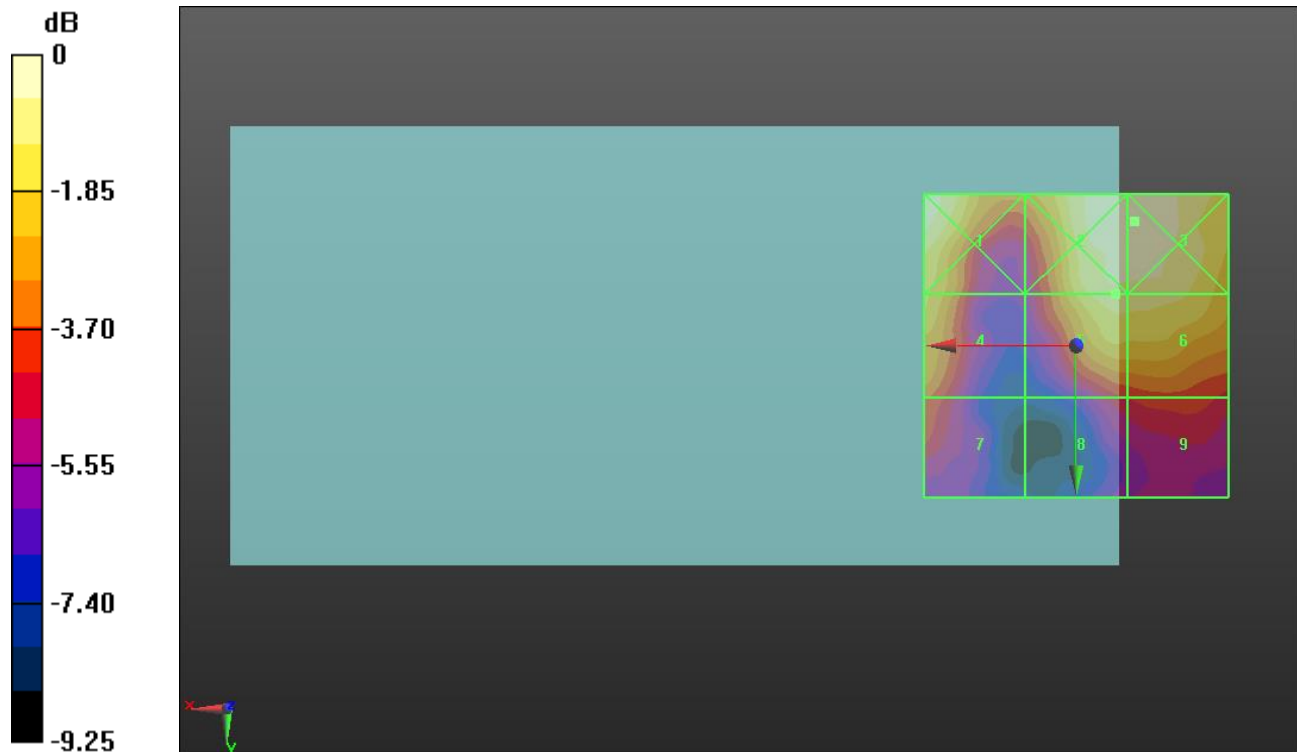
Applied MIF = -1.44 dB

RF audio interference level = 18.23 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>18.79 dBV/m</b> | Grid 2 <b>M4</b><br><b>19.01 dBV/m</b> | Grid 3 <b>M4</b><br><b>19.01 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>17.27 dBV/m</b> | Grid 5 <b>M4</b><br><b>18.23 dBV/m</b> | Grid 6 <b>M4</b><br><b>18.2 dBV/m</b>  |
| Grid 7 <b>M4</b><br><b>15.43 dBV/m</b> | Grid 8 <b>M4</b><br><b>14.78 dBV/m</b> | Grid 9 <b>M4</b><br><b>15.13 dBV/m</b> |



0 dB = 8.923 V/m = 19.01 dBV/m

## HAC-RF Emission ANT9

Communication System: UID 10173 - CAG, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 3646.7 MHz; Duty Cycle: 1:8.8736

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1) @ 3646.7 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)

### LTE Band 48\_E-Field measurement/SC-FDMA RB 1/49 20 MHz 16QAM Ch.

**56207/Hearing Aid Compatibility Test (101x101x1):** Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 8.363 V/m; Power Drift = 0.14 dB

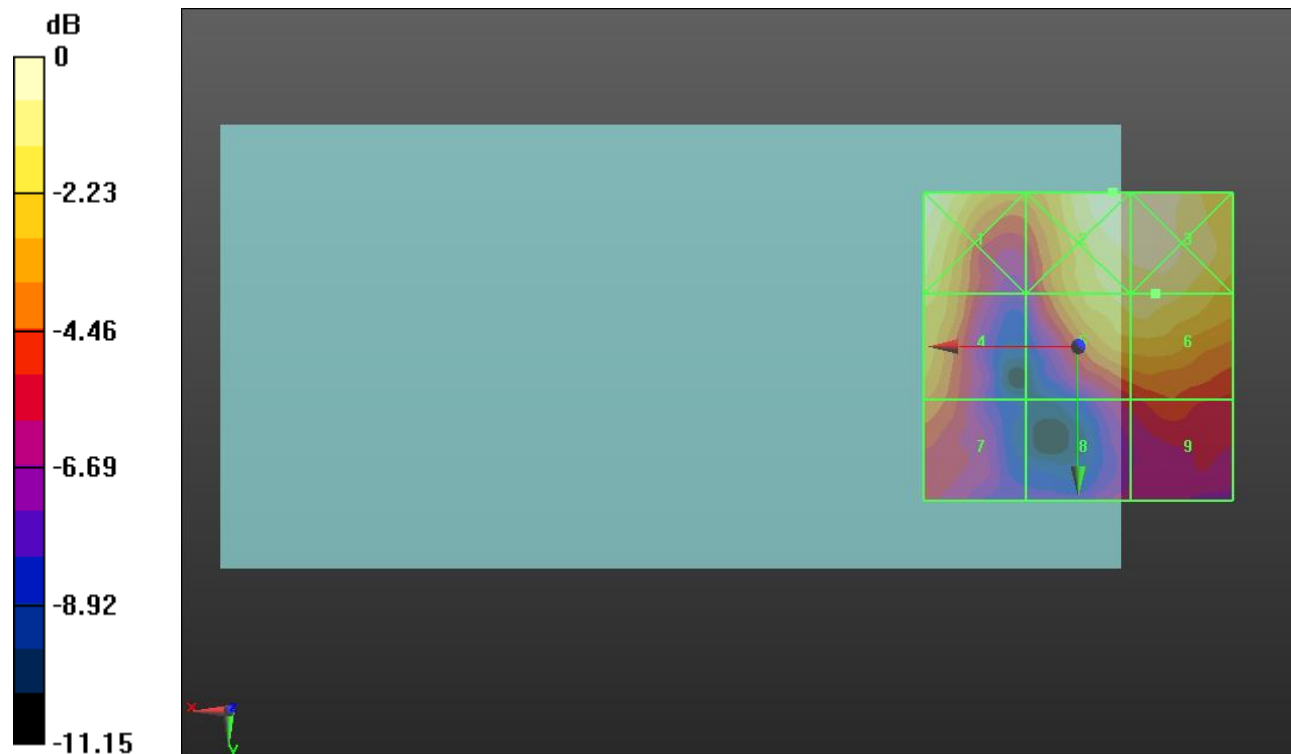
Applied MIF = -1.44 dB

RF audio interference level = 17.57 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>18.63 dBV/m</b> | Grid 2 <b>M4</b><br><b>18.69 dBV/m</b> | Grid 3 <b>M4</b><br><b>18.37 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>16.9 dBV/m</b>  | Grid 5 <b>M4</b><br><b>17.46 dBV/m</b> | Grid 6 <b>M4</b><br><b>17.57 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>15.05 dBV/m</b> | Grid 8 <b>M4</b><br><b>13.29 dBV/m</b> | Grid 9 <b>M4</b><br><b>14.24 dBV/m</b> |



0 dB = 8.598 V/m = 18.69 dBV/m

## HAC-RF Emission ANT9

Communication System: UID 10173 - CAG, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 3690 MHz; Duty Cycle: 1:8.8736

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1) @ 3690 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)

### LTE Band 48\_E-Field measurement/SC-FDMA RB 1/49 20 MHz 16QAM Ch.

**56640/Hearing Aid Compatibility Test (101x101x1):** Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 8.230 V/m; Power Drift = -0.00 dB

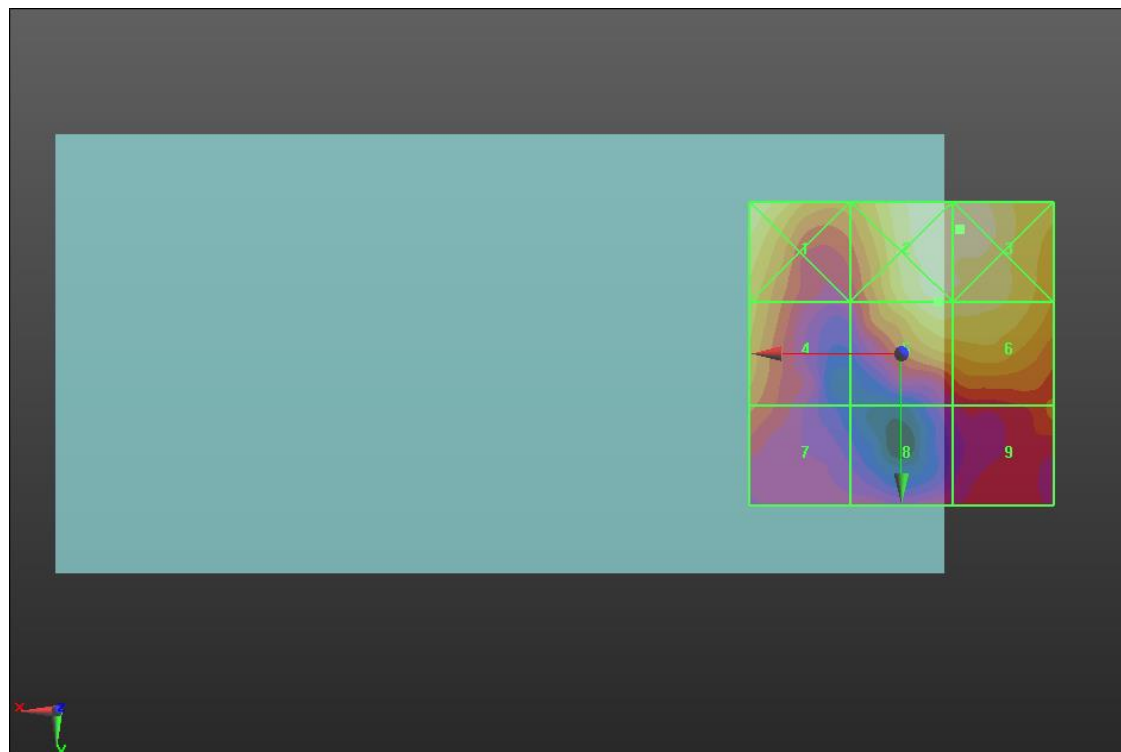
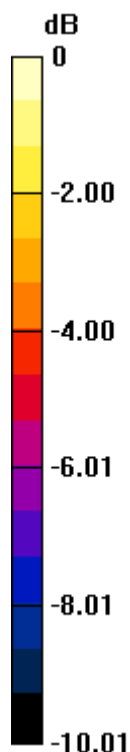
Applied MIF = -1.44 dB

RF audio interference level = 17.66 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>17.82 dBV/m</b> | Grid 2 <b>M4</b><br><b>18.35 dBV/m</b> | Grid 3 <b>M4</b><br><b>18.38 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>16.12 dBV/m</b> | Grid 5 <b>M4</b><br><b>17.66 dBV/m</b> | Grid 6 <b>M4</b><br><b>17.49 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>14.63 dBV/m</b> | Grid 8 <b>M4</b><br><b>13.13 dBV/m</b> | Grid 9 <b>M4</b><br><b>14.63 dBV/m</b> |



0 dB = 8.298 V/m = 18.38 dBV/m