

## HAC-RF Emission ANT 1

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 - SN4041; ConvF(1, 1, 1); Calibrated: 3/16/2018;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

## 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 = 48.35 V/m; Power Drift = -0.01 dB

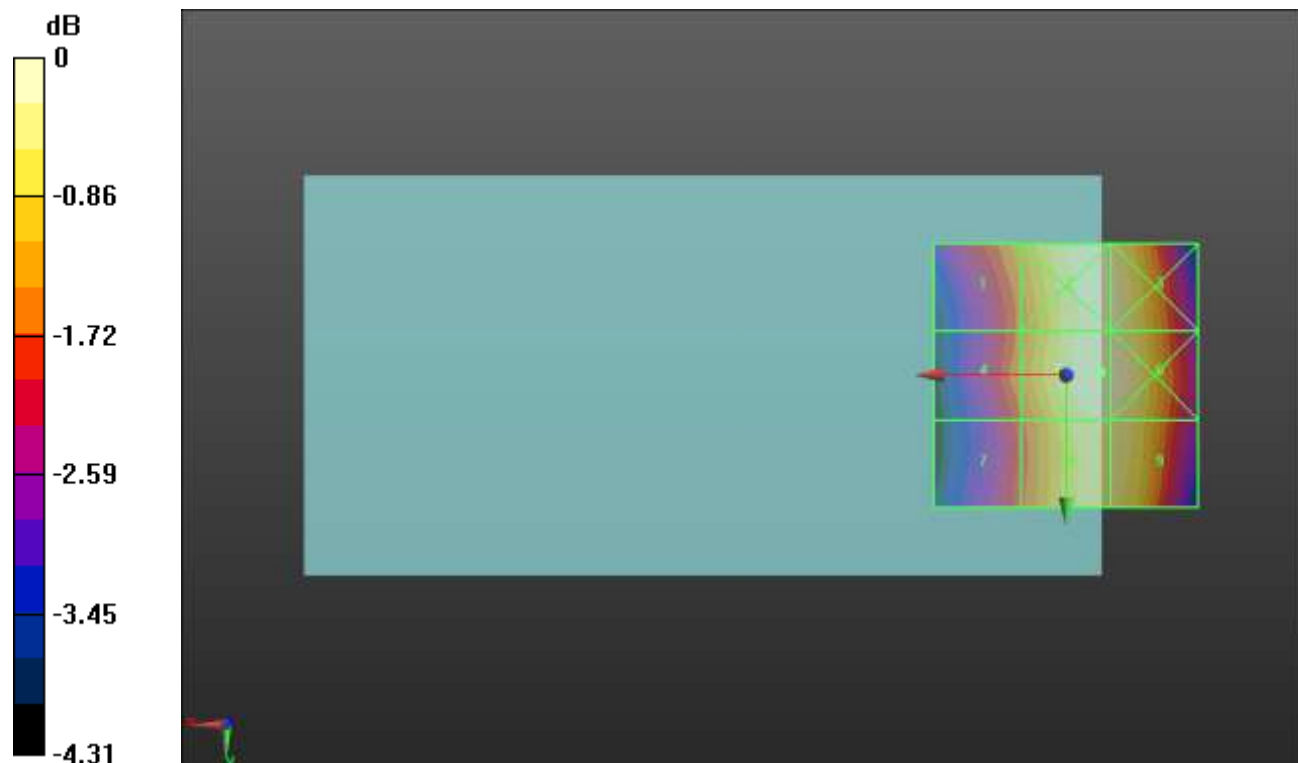
Applied MIF = 3.63 dB

RF audio interference level = 35.07 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>33.89 dBV/m</b> | Grid 2 <b>M4</b><br><b>34.93 dBV/m</b> | Grid 3 <b>M4</b><br><b>34.9 dBV/m</b>  |
| Grid 4 <b>M4</b><br><b>33.7 dBV/m</b>  | Grid 5 <b>M4</b><br><b>35.07 dBV/m</b> | Grid 6 <b>M4</b><br><b>35.04 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>33.3 dBV/m</b>  | Grid 8 <b>M4</b><br><b>34.82 dBV/m</b> | Grid 9 <b>M4</b><br><b>34.81 dBV/m</b> |



0 dB = 56.68 V/m = 35.07 dBV/m

## HAC-RF Emission ANT 1

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 - SN4041; ConvF(1, 1, 1); Calibrated: 3/16/2018;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

## 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 = 49.59 V/m; Power Drift = -0.03 dB

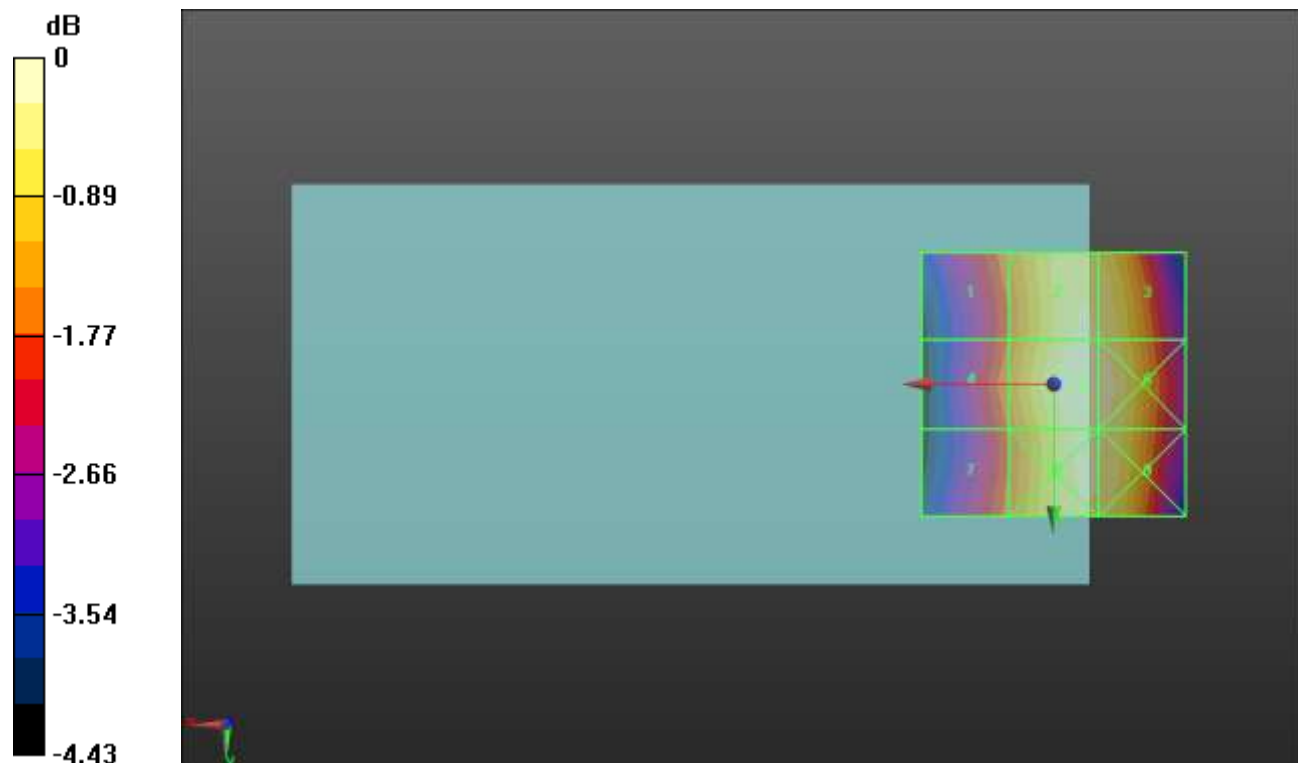
Applied MIF = 3.63 dB

RF audio interference level = 35.21 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>33.73 dBV/m</b> | Grid 2 <b>M4</b><br><b>34.99 dBV/m</b> | Grid 3 <b>M4</b><br><b>34.96 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>33.79 dBV/m</b> | Grid 5 <b>M4</b><br><b>35.21 dBV/m</b> | Grid 6 <b>M4</b><br><b>35.15 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>33.63 dBV/m</b> | Grid 8 <b>M4</b><br><b>35.02 dBV/m</b> | Grid 9 <b>M4</b><br><b>34.99 dBV/m</b> |



0 dB = 57.59 V/m = 35.21 dBV/m

## HAC-RF Emission ANT 1

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 - SN4041; ConvF(1, 1, 1); Calibrated: 3/16/2018;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

## 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 = 50.37 V/m; Power Drift = -0.06 dB

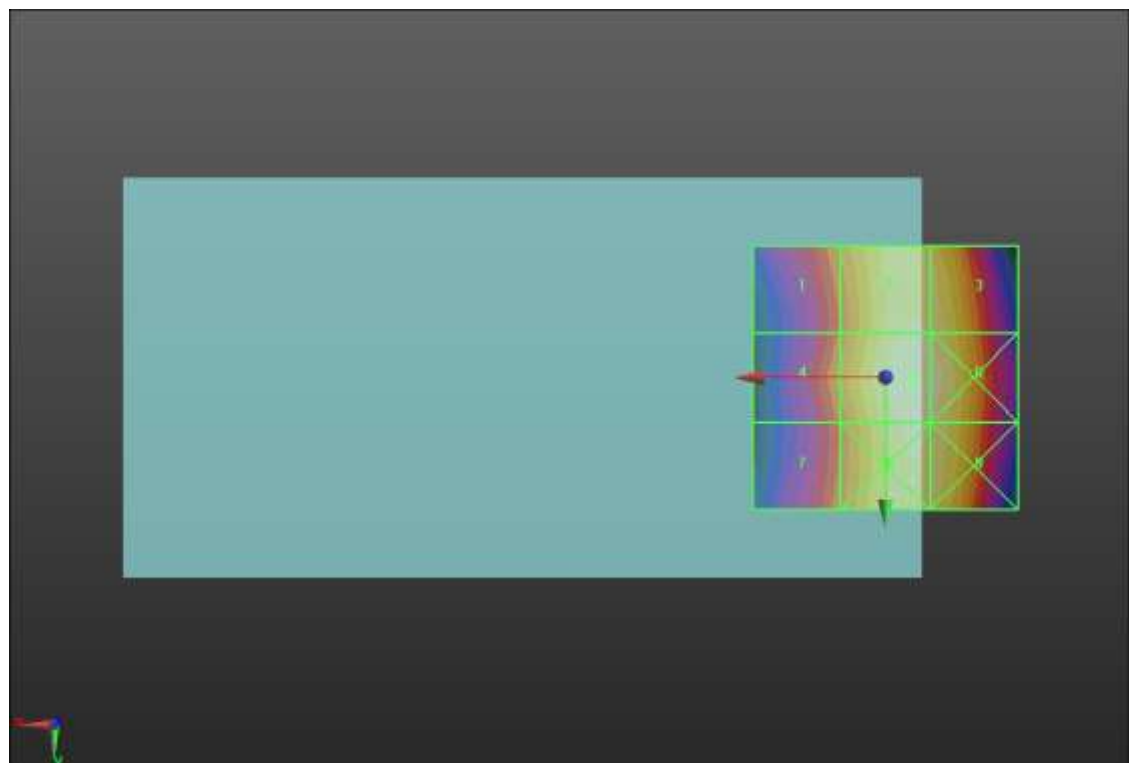
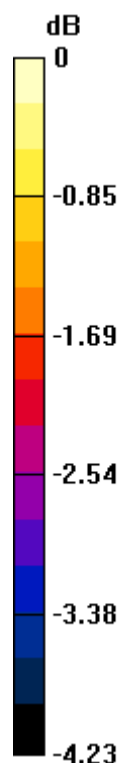
Applied MIF = 3.63 dB

RF audio interference level = 35.22 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>33.89 dBV/m</b> | Grid 2 <b>M4</b><br><b>34.99 dBV/m</b> | Grid 3 <b>M4</b><br><b>34.92 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>33.92 dBV/m</b> | Grid 5 <b>M4</b><br><b>35.22 dBV/m</b> | Grid 6 <b>M4</b><br><b>35.13 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>33.78 dBV/m</b> | Grid 8 <b>M4</b><br><b>35.03 dBV/m</b> | Grid 9 <b>M4</b><br><b>34.96 dBV/m</b> |



0 dB = 57.69 V/m = 35.22 dBV/m

## HAC-RF Emission ANT 1

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 - SN4041; ConvF(1, 1, 1); Calibrated: 3/16/2018;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

## 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 = 31.48 V/m; Power Drift = 0.05 dB

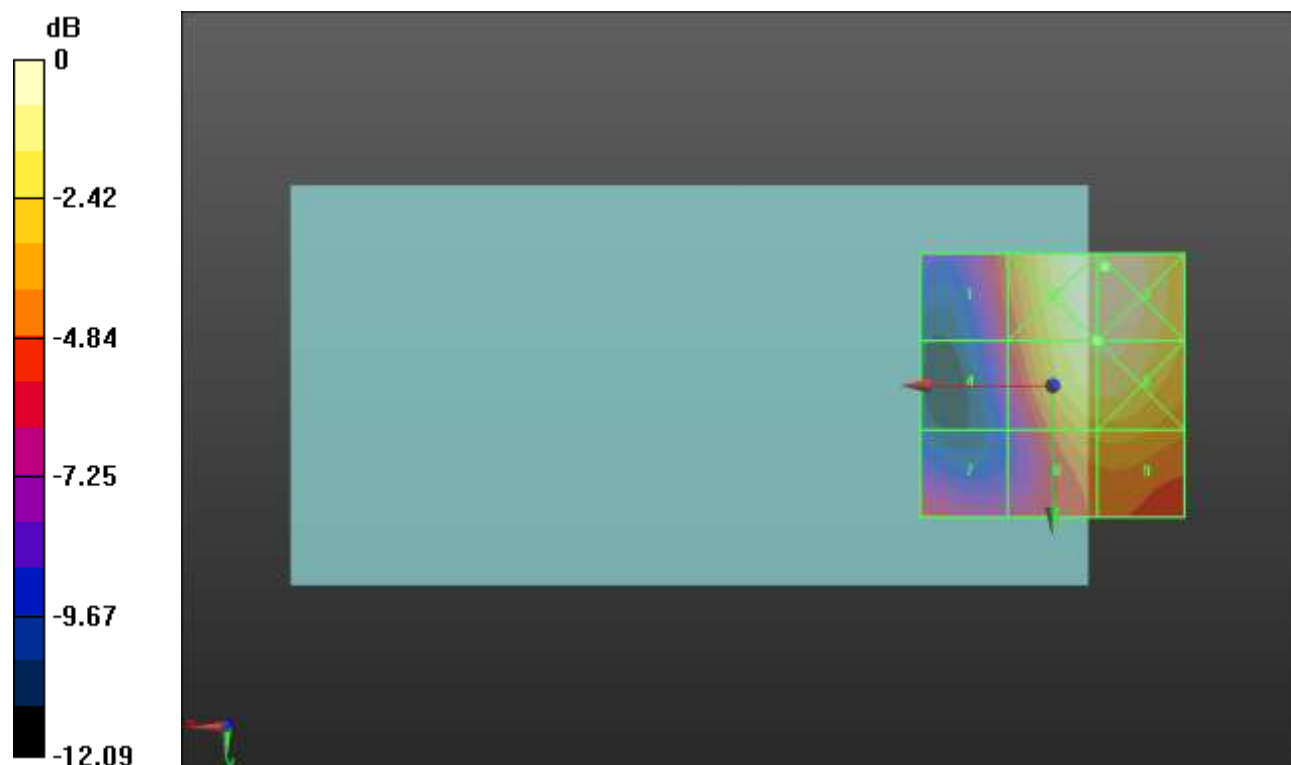
Applied MIF = 3.63 dB

RF audio interference level = 32.89 dBV/m

**Emission category: M3**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>28.93 dBV/m</b> | Grid 2 <b>M3</b><br><b>33.45 dBV/m</b> | Grid 3 <b>M3</b><br><b>33.49 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>27.51 dBV/m</b> | Grid 5 <b>M3</b><br><b>32.89 dBV/m</b> | Grid 6 <b>M3</b><br><b>32.95 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>28.32 dBV/m</b> | Grid 8 <b>M3</b><br><b>30.64 dBV/m</b> | Grid 9 <b>M3</b><br><b>30.73 dBV/m</b> |



0 dB = 47.23 V/m = 33.48 dBV/m

## HAC-RF Emission ANT 1

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 - SN4041; ConvF(1, 1, 1); Calibrated: 3/16/2018;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

## 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 = 32.64 V/m; Power Drift = -0.06 dB

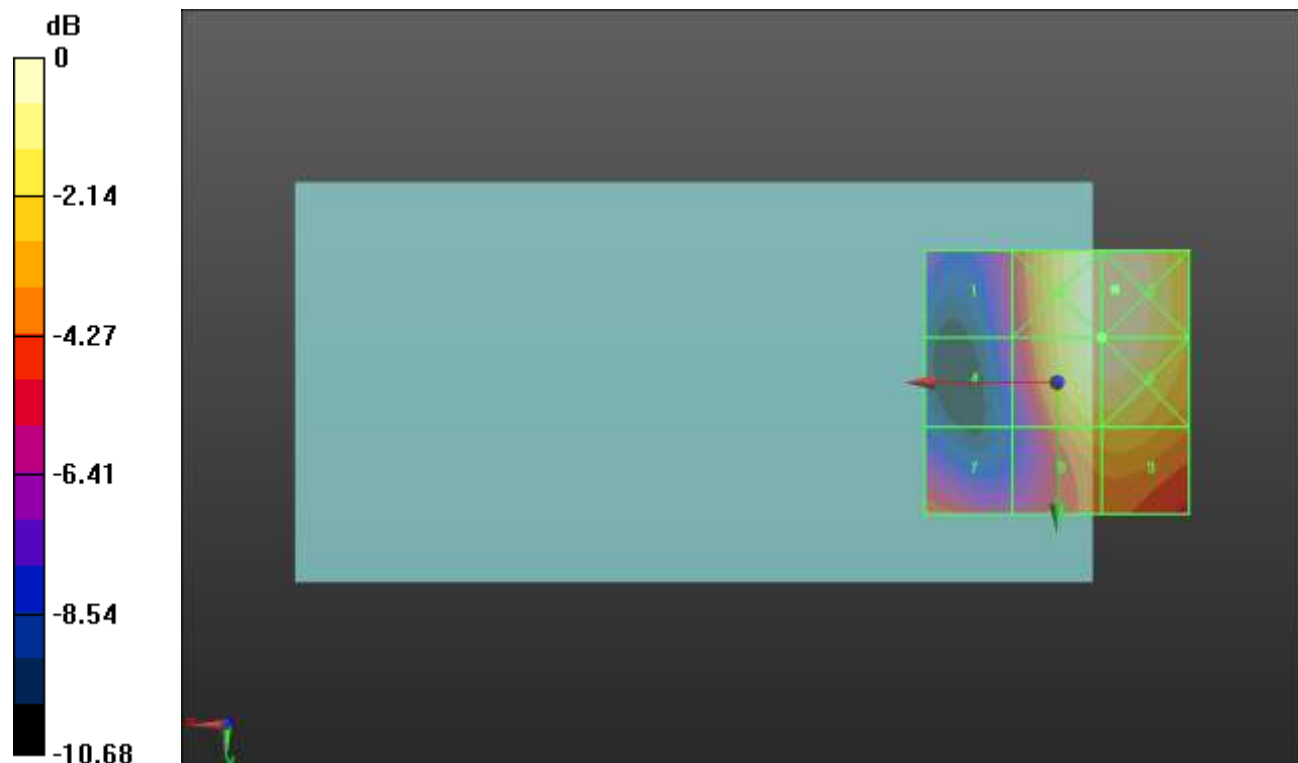
Applied MIF = 3.63 dB

RF audio interference level = 32.91 dBV/m

**Emission category: M3**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>27.87 dBV/m</b> | Grid 2 <b>M3</b><br><b>33.13 dBV/m</b> | Grid 3 <b>M3</b><br><b>33.21 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>27.02 dBV/m</b> | Grid 5 <b>M3</b><br><b>32.91 dBV/m</b> | Grid 6 <b>M3</b><br><b>32.98 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>29.22 dBV/m</b> | Grid 8 <b>M3</b><br><b>31.1 dBV/m</b>  | Grid 9 <b>M3</b><br><b>31.19 dBV/m</b> |



0 dB = 45.78 V/m = 33.21 dBV/m

## HAC-RF Emission ANT 1

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 - SN4041; ConvF(1, 1, 1); Calibrated: 3/16/2018;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

## 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 = 32.45 V/m; Power Drift = 0.02 dB

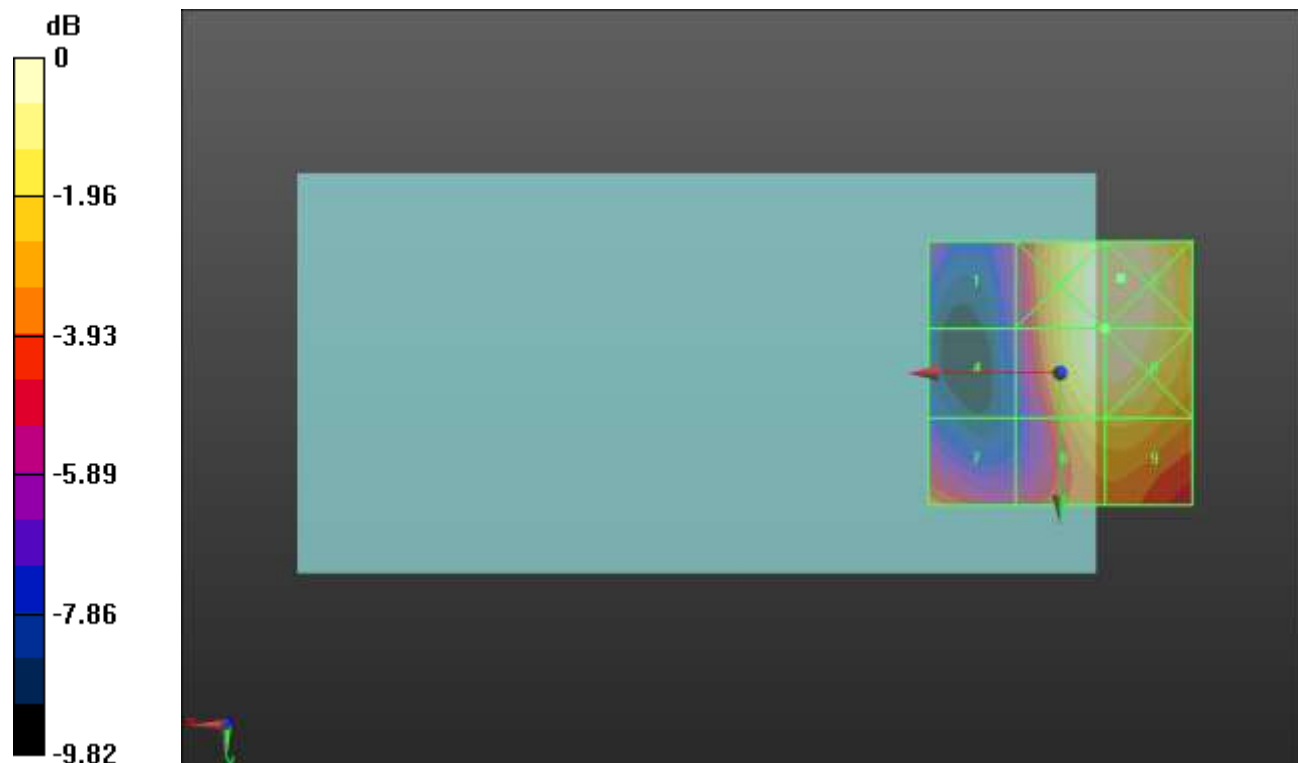
Applied MIF = 3.63 dB

RF audio interference level = 32.76 dBV/m

**Emission category: M3**

MIF scaled E-field

|                                 |                                 |                                 |
|---------------------------------|---------------------------------|---------------------------------|
| Grid 1 <b>M4</b><br>27.45 dBV/m | Grid 2 <b>M3</b><br>32.81 dBV/m | Grid 3 <b>M3</b><br>32.93 dBV/m |
| Grid 4 <b>M4</b><br>26.54 dBV/m | Grid 5 <b>M3</b><br>32.76 dBV/m | Grid 6 <b>M3</b><br>32.85 dBV/m |
| Grid 7 <b>M4</b><br>29.54 dBV/m | Grid 8 <b>M3</b><br>31.17 dBV/m | Grid 9 <b>M3</b><br>31.26 dBV/m |



0 dB = 44.31 V/m = 32.93 dBV/m

## HAC-RF Emission ANT 1

Communication System: UID 10295 - AAB, CDMA2000, RC1, SO3, 1/8th Rate 25 fr.; Frequency: 824.7 MHz; Duty Cycle: 1:17.7419

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/16/2018;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

## CDMA BC0 E-Field measurement/RC1\_SO3\_Ch 1013/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 = 15.95 V/m; Power Drift = -0.04 dB

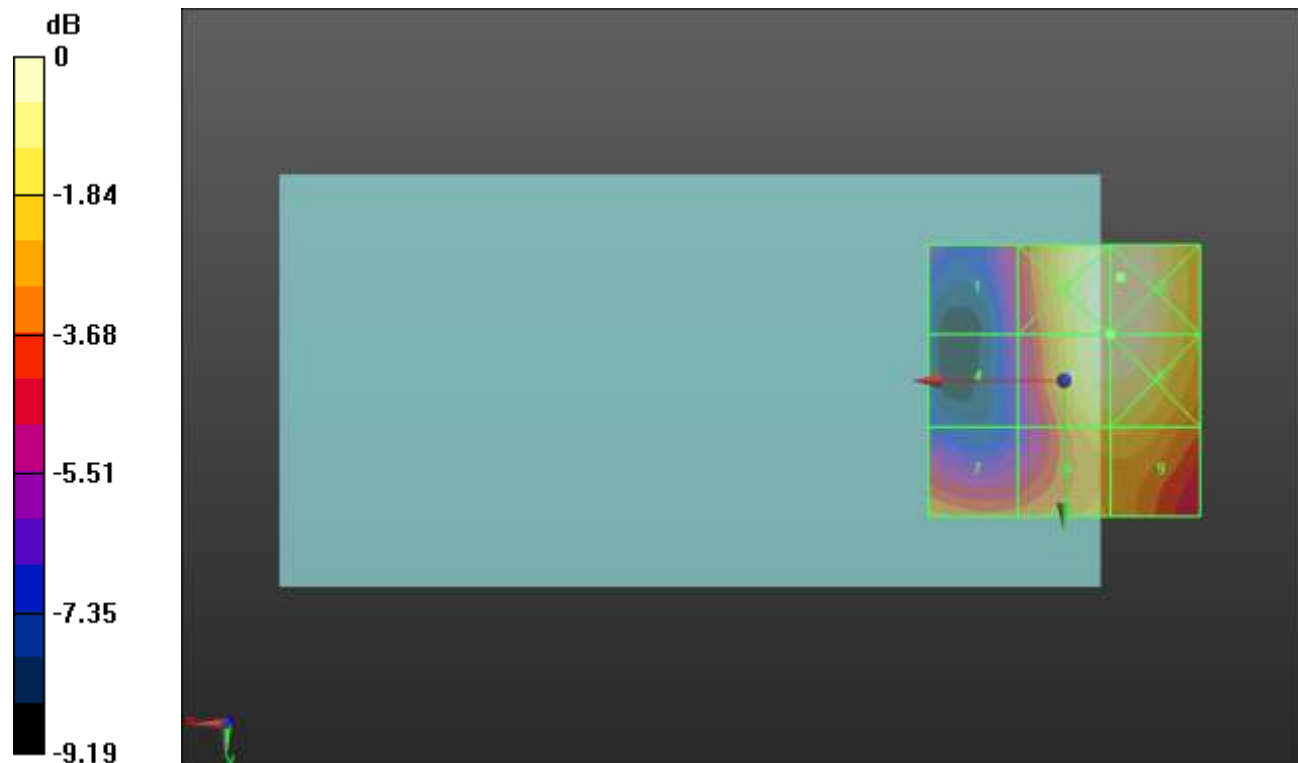
Applied MIF = 3.26 dB

RF audio interference level = 26.09 dBV/m

Emission category: **M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>21.92 dBV/m</b> | Grid 2 <b>M4</b><br><b>26.3 dBV/m</b>  | Grid 3 <b>M4</b><br><b>26.37 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>21.03 dBV/m</b> | Grid 5 <b>M4</b><br><b>26.09 dBV/m</b> | Grid 6 <b>M4</b><br><b>26.13 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>23.68 dBV/m</b> | Grid 8 <b>M4</b><br><b>24.68 dBV/m</b> | Grid 9 <b>M4</b><br><b>24.72 dBV/m</b> |



0 dB = 20.81 V/m = 26.37 dBV/m

## HAC-RF Emission ANT 1

Communication System: UID 10295 - AAB, CDMA2000, RC1, SO3, 1/8th Rate 25 fr.; Frequency: 836.52 MHz; Duty Cycle: 1:17.7419

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/16/2018;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

## CDMA BC0 E-Field measurement/RC1\_SO3\_Ch 384/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 = 14.52 V/m; Power Drift = -0.14 dB

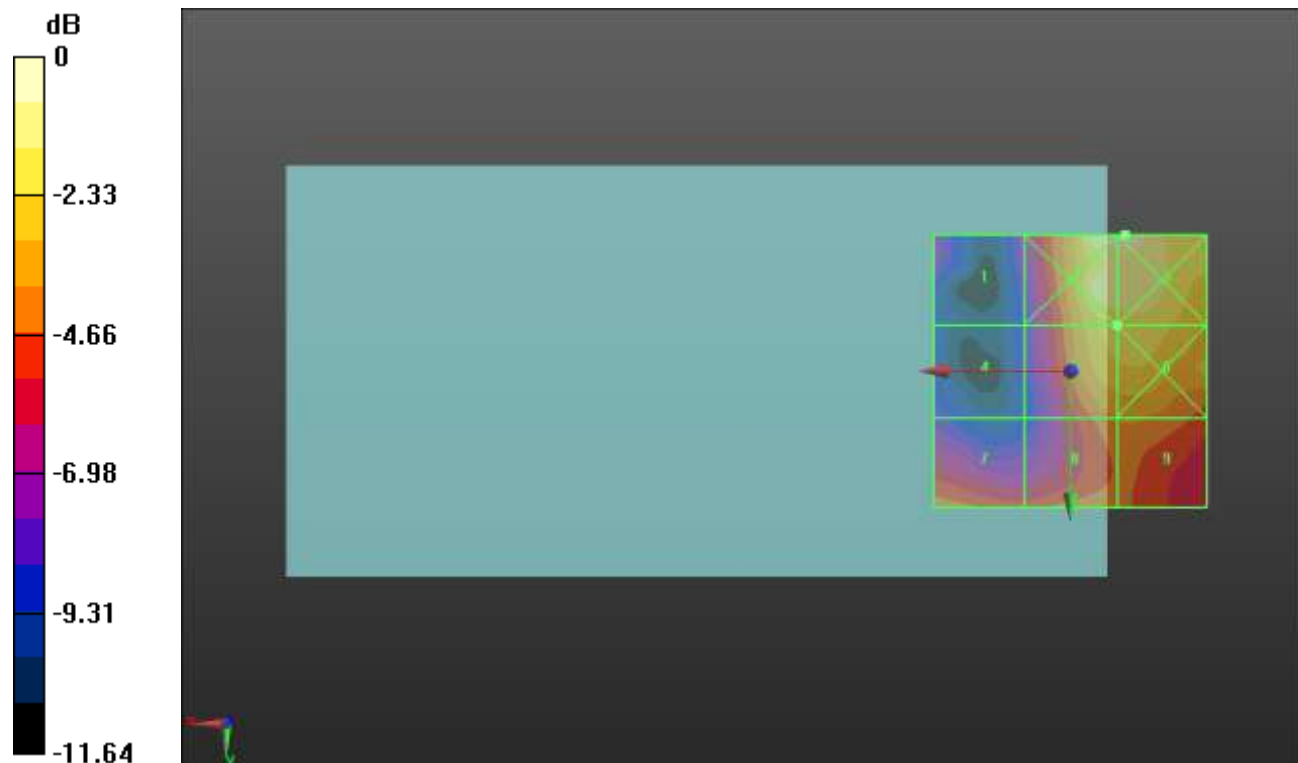
Applied MIF = 3.26 dB

RF audio interference level = 26.10 dBV/m

Emission category: **M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>20.87 dBV/m</b> | Grid 2 <b>M4</b><br><b>27.93 dBV/m</b> | Grid 3 <b>M4</b><br><b>27.97 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>20 dBV/m</b>    | Grid 5 <b>M4</b><br><b>26.1 dBV/m</b>  | Grid 6 <b>M4</b><br><b>26.26 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>23.89 dBV/m</b> | Grid 8 <b>M4</b><br><b>24.14 dBV/m</b> | Grid 9 <b>M4</b><br><b>24.28 dBV/m</b> |



0 dB = 25.04 V/m = 27.97 dBV/m



## HAC-RF Emission ANT 1

Communication System: UID 10295 - AAB, CDMA2000, RC1, SO3, 1/8th Rate 25 fr.; Frequency: 848.31 MHz; Duty Cycle: 1:17.7419

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/16/2018;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

## CDMA BC0 E-Field measurement/RC1\_SO3\_Ch 777/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 = 14.88 V/m; Power Drift = -0.02 dB

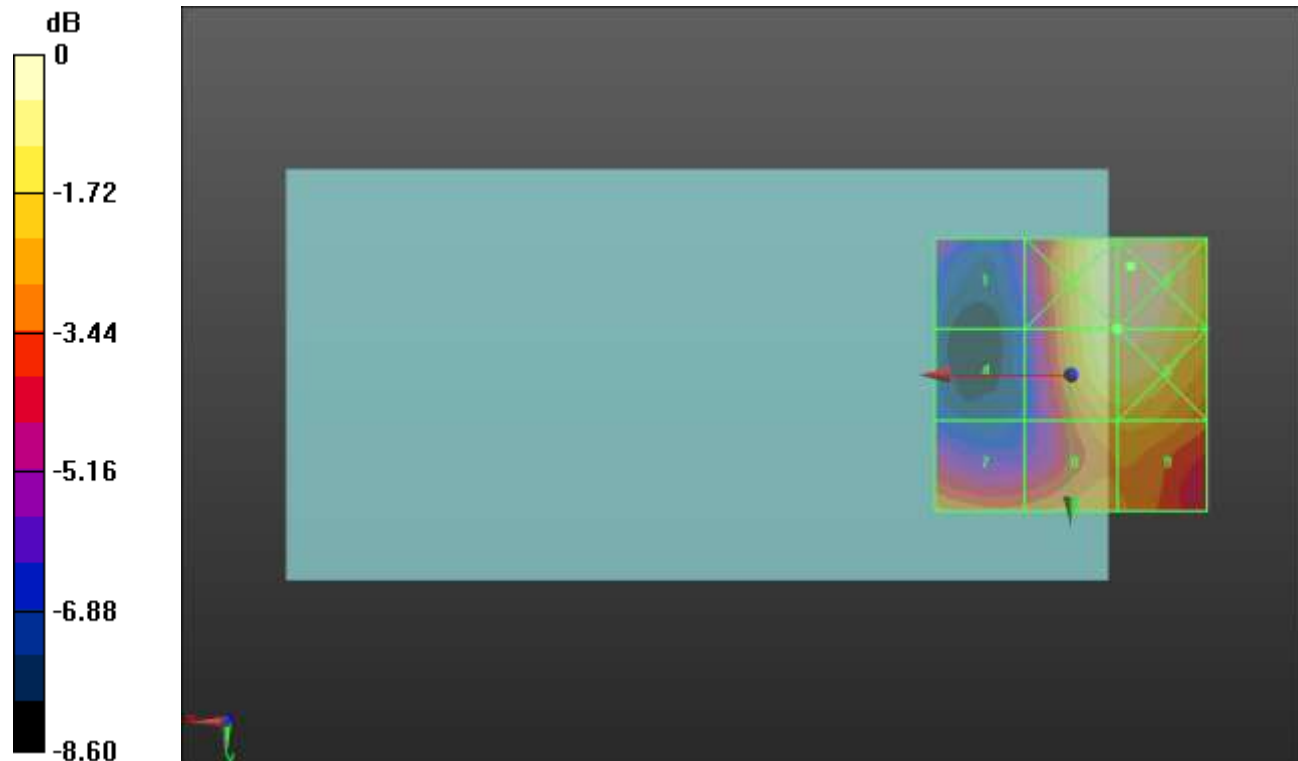
Applied MIF = 3.26 dB

RF audio interference level = 25.99 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>26.33 dBV/m</b> | Grid 3 <b>M4</b><br><b>26.5 dBV/m</b>  |
| Grid 4 <b>M4</b><br><b>20.17 dBV/m</b> | Grid 5 <b>M4</b><br><b>25.99 dBV/m</b> | Grid 6 <b>M4</b><br><b>26.11 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>23.91 dBV/m</b> | Grid 8 <b>M4</b><br><b>24.35 dBV/m</b> | Grid 9 <b>M4</b><br><b>24.42 dBV/m</b> |



0 dB = 21.13 V/m = 26.50 dBV/m

## HAC-RF Emission ANT 1

Communication System: UID 10295 - AAB, CDMA2000, RC1, SO3, 1/8th Rate 25 fr.; Frequency: 1851.25 MHz; Duty Cycle: 1:17.7419

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/16/2018;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

## CDMA BC1 E-Field measurement/RC1\_SO3\_Ch 25/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 = 14.74 V/m; Power Drift = -0.09 dB

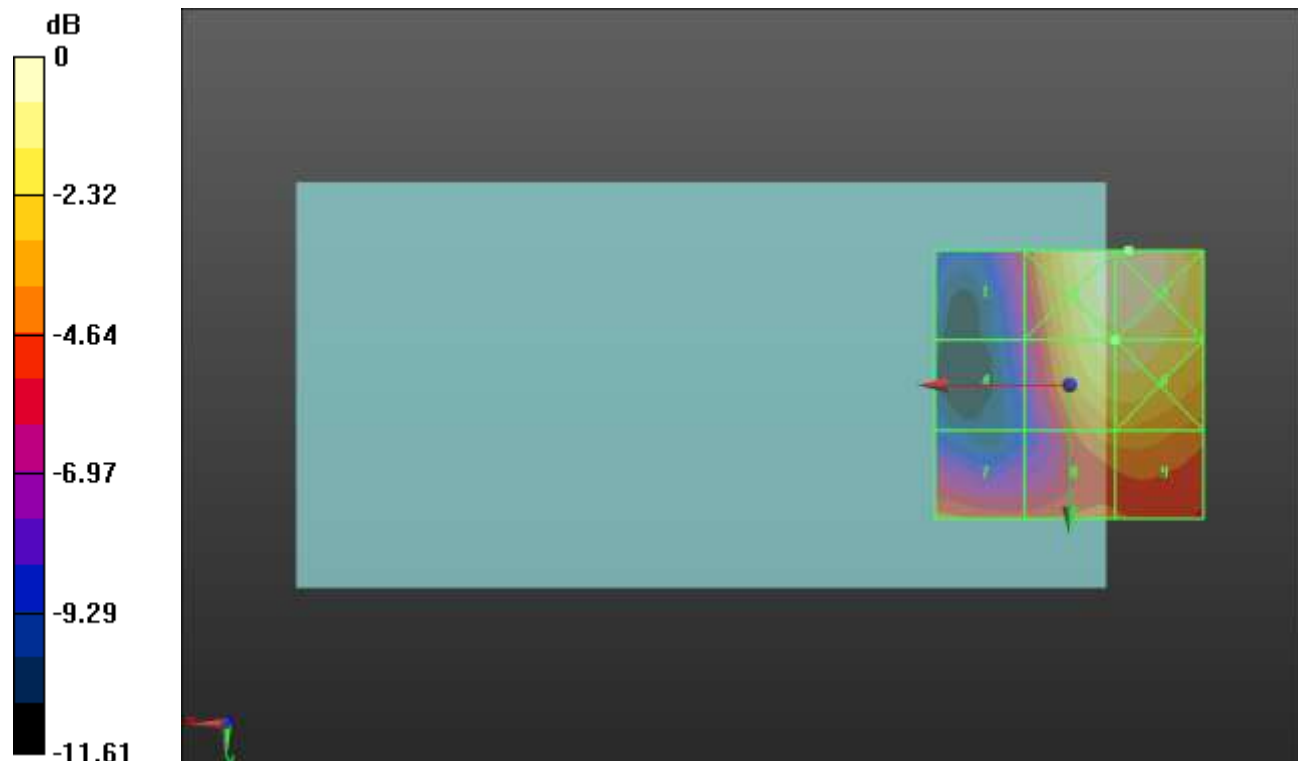
Applied MIF = 3.26 dB

RF audio interference level = 26.24 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>21.68 dBV/m</b> | Grid 2 <b>M4</b><br><b>27.12 dBV/m</b> | Grid 3 <b>M4</b><br><b>27.23 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>20.14 dBV/m</b> | Grid 5 <b>M4</b><br><b>26.24 dBV/m</b> | Grid 6 <b>M4</b><br><b>26.3 dBV/m</b>  |
| Grid 7 <b>M4</b><br><b>23.01 dBV/m</b> | Grid 8 <b>M4</b><br><b>23.92 dBV/m</b> | Grid 9 <b>M4</b><br><b>24.02 dBV/m</b> |



0 dB = 22.99 V/m = 27.23 dBV/m

## HAC-RF Emission ANT 1

Communication System: UID 10295 - AAB, CDMA2000, RC1, SO3, 1/8th Rate 25 fr.; Frequency: 1880 MHz; Duty Cycle: 1:17.7419

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/16/2018;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

## CDMA BC1 E-Field measurement/RC1\_SO3\_Ch 600/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 = 15.56 V/m; Power Drift = -0.12 dB

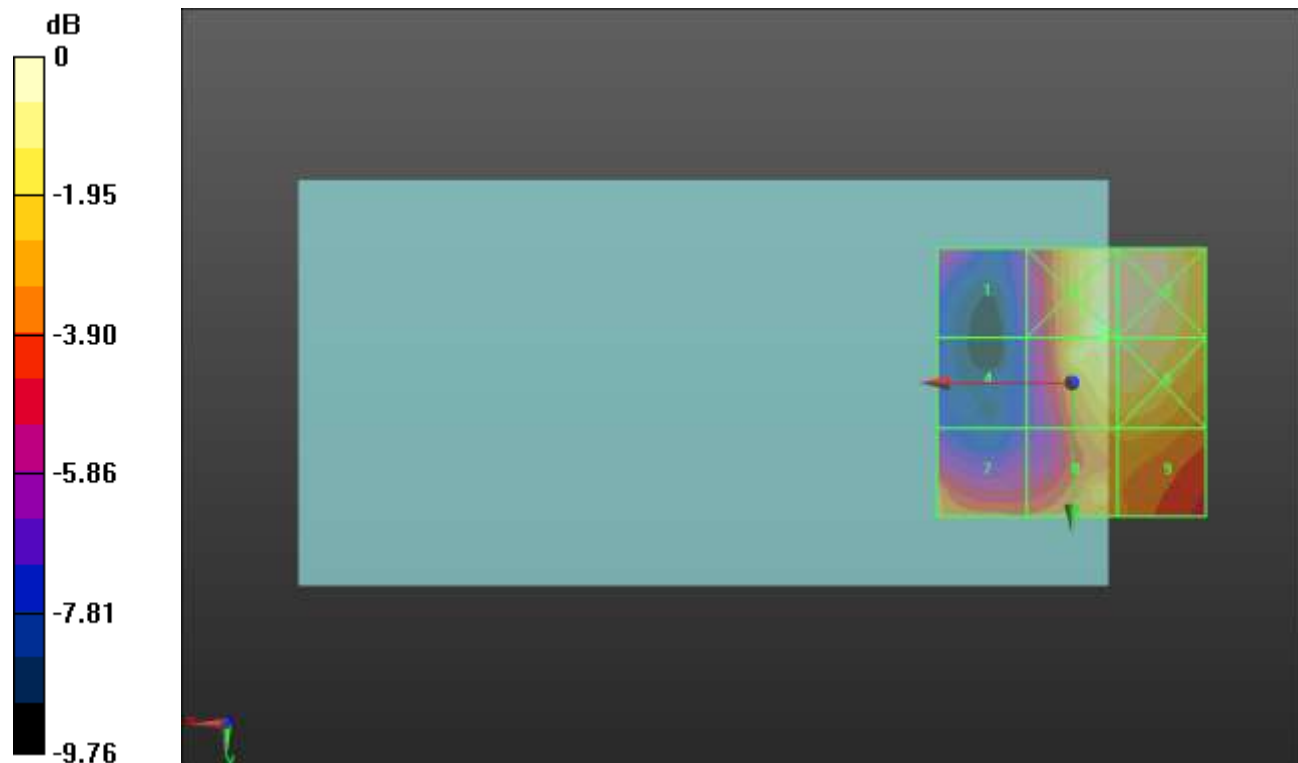
Applied MIF = 3.26 dB

RF audio interference level = 26.90 dBV/m

Emission category: **M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>21.99 dBV/m</b> | Grid 2 <b>M4</b><br><b>27.13 dBV/m</b> | Grid 3 <b>M4</b><br><b>27 dBV/m</b>    |
| Grid 4 <b>M4</b><br><b>20.58 dBV/m</b> | Grid 5 <b>M4</b><br><b>26.9 dBV/m</b>  | Grid 6 <b>M4</b><br><b>26.7 dBV/m</b>  |
| Grid 7 <b>M4</b><br><b>24.18 dBV/m</b> | Grid 8 <b>M4</b><br><b>24.87 dBV/m</b> | Grid 9 <b>M4</b><br><b>24.87 dBV/m</b> |



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

## HAC-RF Emission ANT 1

Communication System: UID 10295 - AAB, CDMA2000, RC1, SO3, 1/8th Rate 25 fr.; Frequency: 1908.75 MHz; Duty Cycle: 1:17.7419

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/16/2018;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

## CDMA BC1 E-Field measurement/RC1\_SO3\_Ch 1175/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 = 16.33 V/m; Power Drift = 0.00 dB

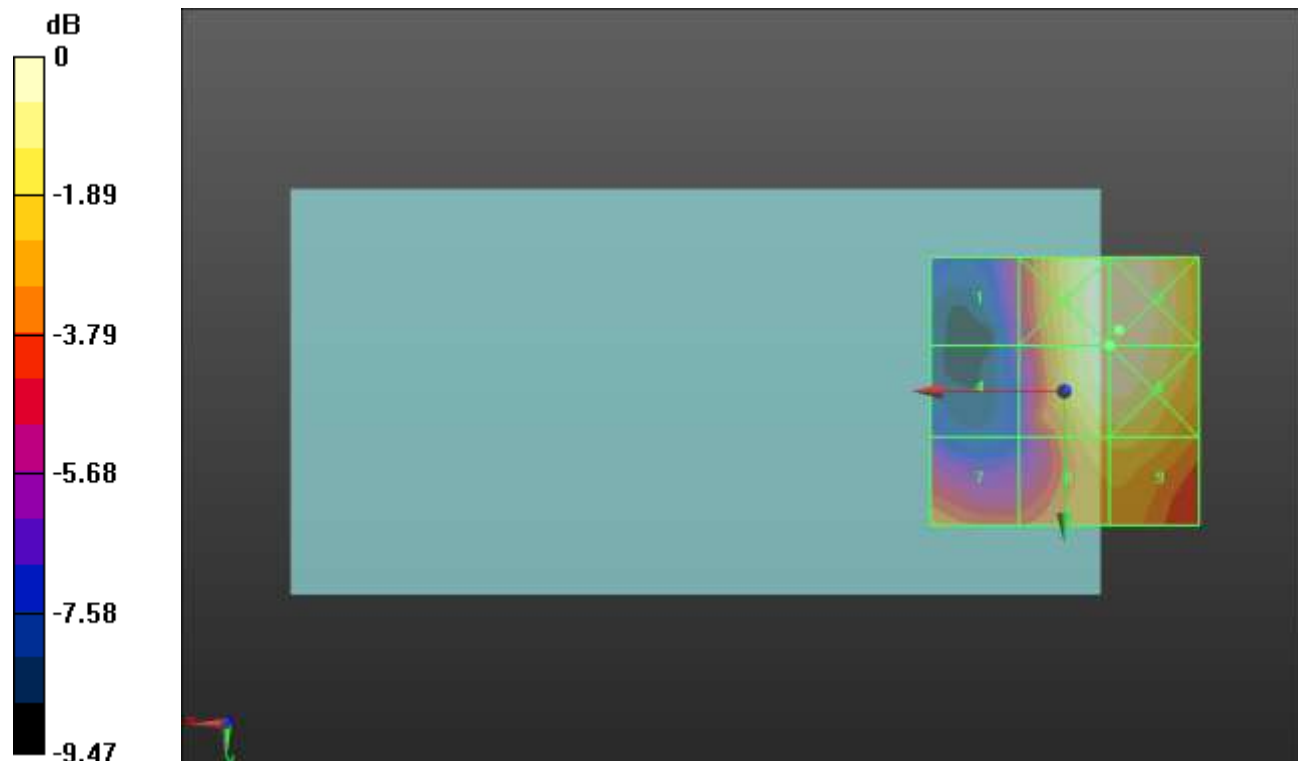
Applied MIF = 3.26 dB

RF audio interference level = 26.76 dBV/m

Emission category: **M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>21.96 dBV/m</b> | Grid 2 <b>M4</b><br><b>26.82 dBV/m</b> | Grid 3 <b>M4</b><br><b>26.87 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>20.91 dBV/m</b> | Grid 5 <b>M4</b><br><b>26.76 dBV/m</b> | Grid 6 <b>M4</b><br><b>26.8 dBV/m</b>  |
| Grid 7 <b>M4</b><br><b>24.12 dBV/m</b> | Grid 8 <b>M4</b><br><b>25.22 dBV/m</b> | Grid 9 <b>M4</b><br><b>25.28 dBV/m</b> |



0 dB = 22.05 V/m = 26.87 dBV/m

## HAC-RF Emission ANT 1

Communication System: UID 10295 - AAB, CDMA2000, RC1, SO3, 1/8th Rate 25 fr.; Frequency: 817.3 MHz; Duty Cycle: 1:17.7419

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/16/2018;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

## CDMA BC10 E-Field measurement/RC1\_SO3\_ch 450/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 = 23.82 V/m; Power Drift = -0.06 dB

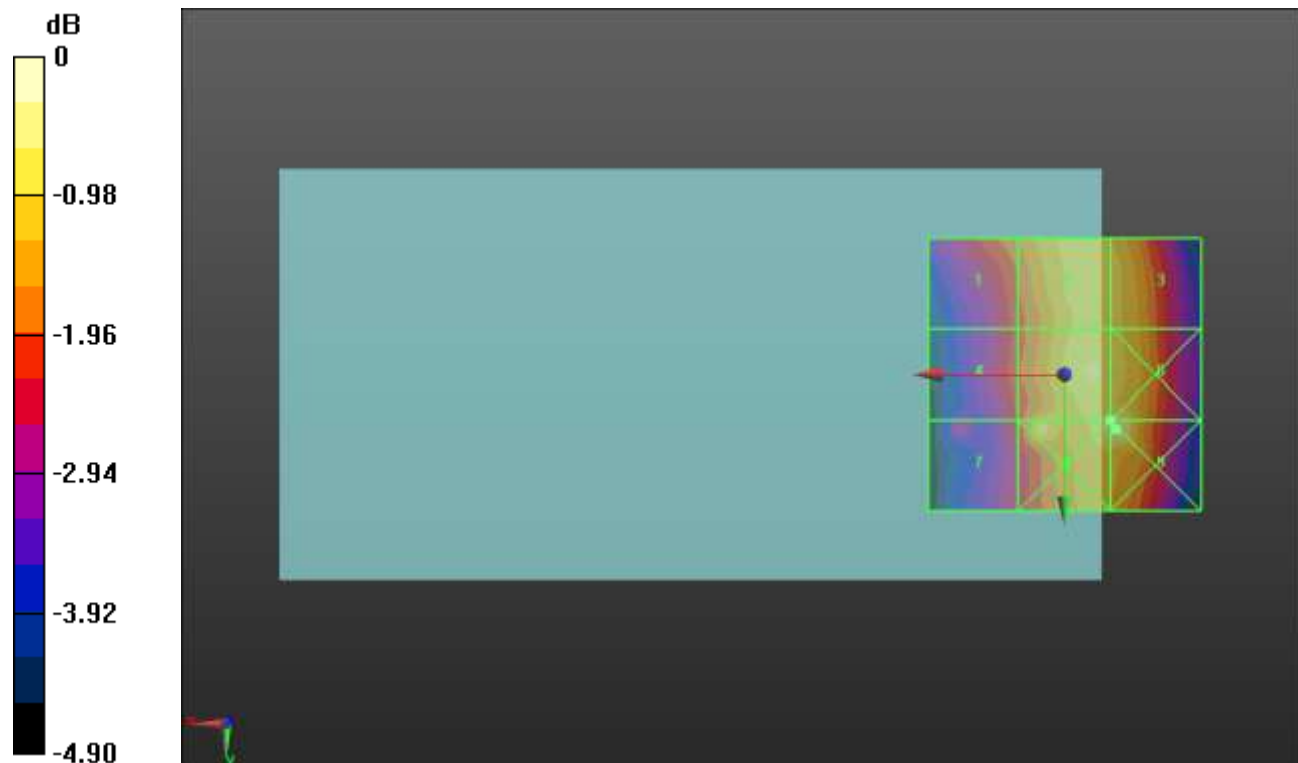
Applied MIF = 3.26 dB

RF audio interference level = 29.05 dBV/m

Emission category: **M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>27.76 dBV/m</b> | Grid 2 <b>M4</b><br><b>28.64 dBV/m</b> | Grid 3 <b>M4</b><br><b>28.54 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>27.35 dBV/m</b> | Grid 5 <b>M4</b><br><b>29.05 dBV/m</b> | Grid 6 <b>M4</b><br><b>29.16 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>27.14 dBV/m</b> | Grid 8 <b>M4</b><br><b>29.2 dBV/m</b>  | Grid 9 <b>M4</b><br><b>29.35 dBV/m</b> |



0 dB = 29.34 V/m = 29.35 dBV/m

## HAC-RF Emission ANT 1

Communication System: UID 10295 - AAB, CDMA2000, RC1, SO3, 1/8th Rate 25 fr.; Frequency: 820 MHz; Duty Cycle: 1:17.7419

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/16/2018;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

## CDMA BC10 E-Field measurement/RC1\_SO3\_ch 560/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 = -0.00 dB

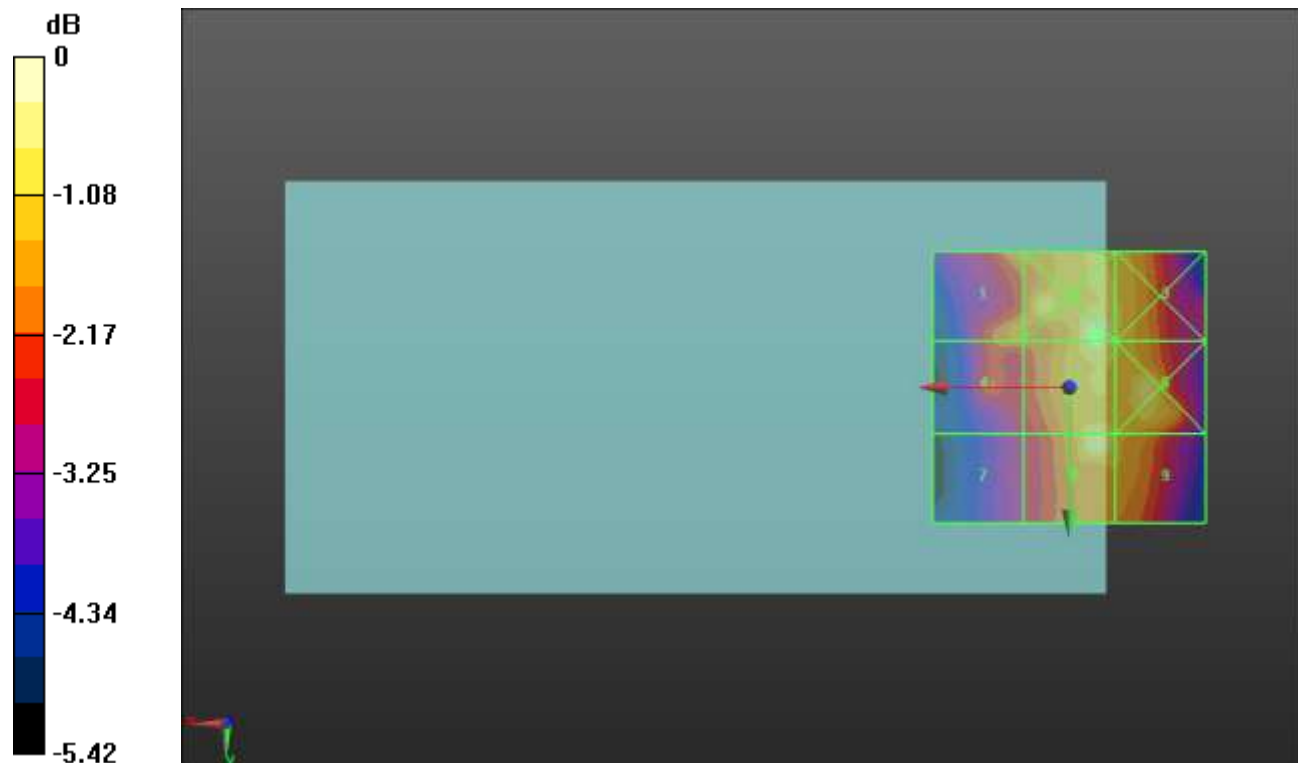
Applied MIF = 3.26 dB

RF audio interference level = 29.91 dBV/m

Emission category: **M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>28.77 dBV/m</b> | Grid 2 <b>M4</b><br><b>30.15 dBV/m</b> | Grid 3 <b>M4</b><br><b>29.25 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>28.35 dBV/m</b> | Grid 5 <b>M4</b><br><b>29.91 dBV/m</b> | Grid 6 <b>M4</b><br><b>29.63 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>27.33 dBV/m</b> | Grid 8 <b>M4</b><br><b>29.81 dBV/m</b> | Grid 9 <b>M4</b><br><b>28.98 dBV/m</b> |



0 dB = 32.16 V/m = 30.15 dBV/m

## HAC-RF Emission ANT 1

Communication System: UID 10295 - AAB, CDMA2000, RC1, SO3, 1/8th Rate 25 fr.; Frequency: 822.75 MHz; Duty Cycle: 1:17.7419

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/16/2018;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

## CDMA BC10 E-Field measurement/RC1\_SO3\_ch 670/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 = 25.46 V/m; Power Drift = -0.06 dB

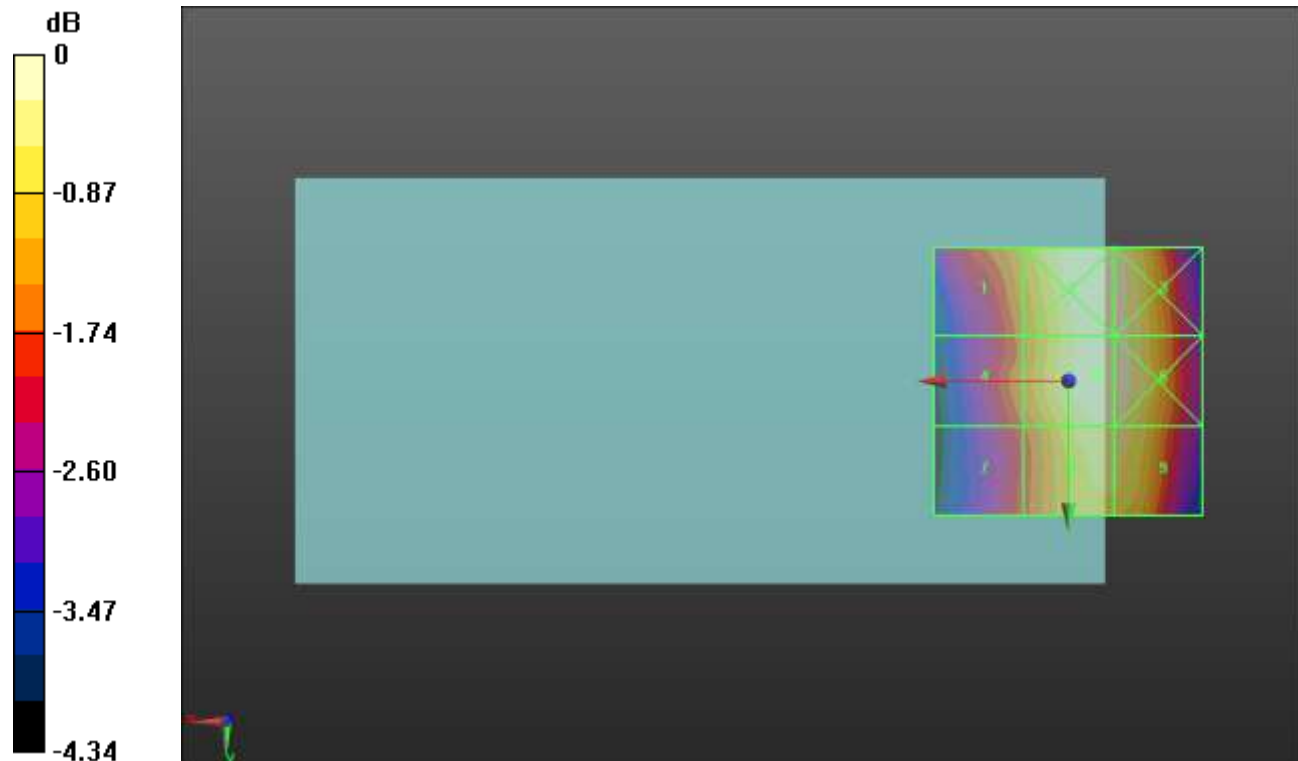
Applied MIF = 3.26 dB

RF audio interference level = 29.32 dBV/m

Emission category: **M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>28.29 dBV/m</b> | Grid 2 <b>M4</b><br><b>29.28 dBV/m</b> | Grid 3 <b>M4</b><br><b>29.22 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>27.97 dBV/m</b> | Grid 5 <b>M4</b><br><b>29.32 dBV/m</b> | Grid 6 <b>M4</b><br><b>29.26 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>27.55 dBV/m</b> | Grid 8 <b>M4</b><br><b>29 dBV/m</b>    | Grid 9 <b>M4</b><br><b>28.99 dBV/m</b> |



0 dB = 29.24 V/m = 29.32 dBV/m

## HAC-RF Emission ANT 1

Communication System: UID 10173 - CAC, 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 - SN4041; ConvF(1, 1, 1); Calibrated: 3/16/2018;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

## LTE Band 41 E-Field measurement/LTE TDD\_16QAM\_RB 1/49\_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 = 11.72 V/m; Power Drift = -0.10 dB

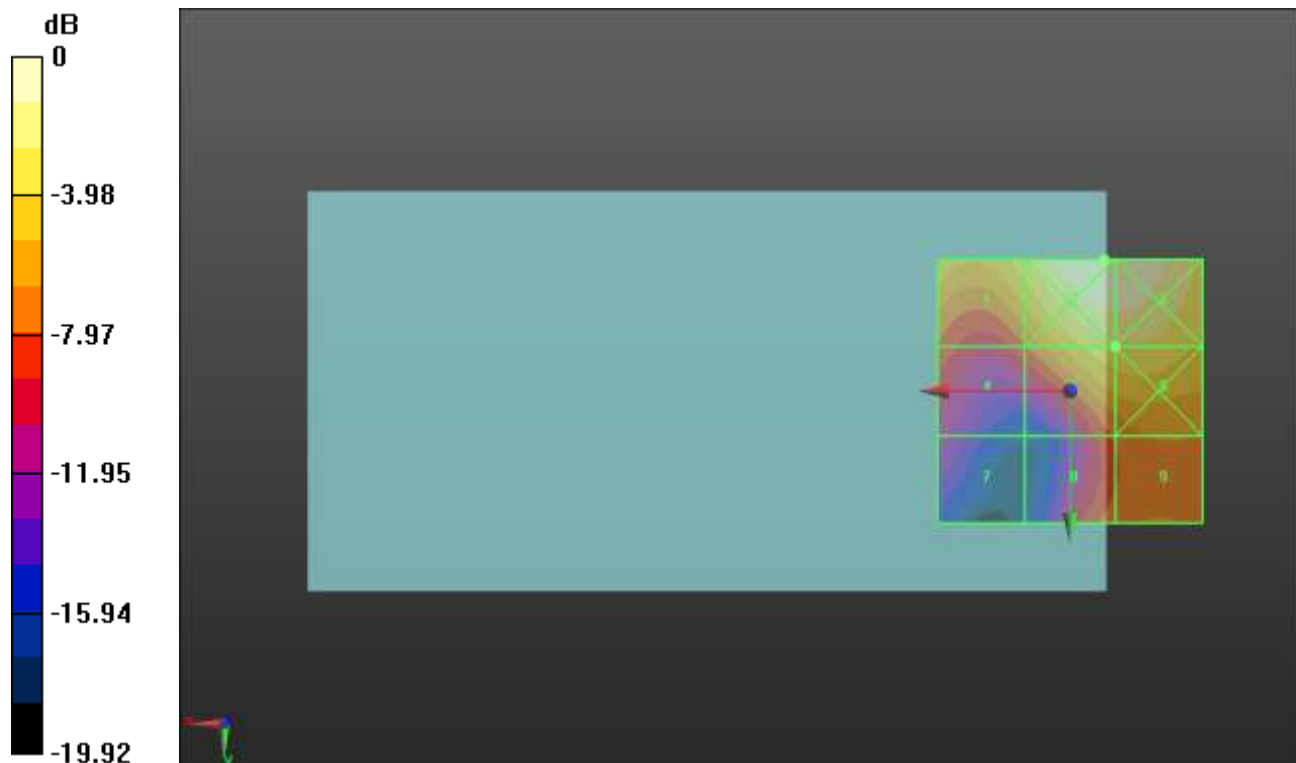
Applied MIF = -1.44 dB

RF audio interference level = 22.83 dBV/m

Emission category: **M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>22.68 dBV/m</b> | Grid 2 <b>M4</b><br><b>25.67 dBV/m</b> | Grid 3 <b>M4</b><br><b>25.6 dBV/m</b>  |
| Grid 4 <b>M4</b><br><b>17.66 dBV/m</b> | Grid 5 <b>M4</b><br><b>22.83 dBV/m</b> | Grid 6 <b>M4</b><br><b>22.96 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>14.27 dBV/m</b> | Grid 8 <b>M4</b><br><b>18.54 dBV/m</b> | Grid 9 <b>M4</b><br><b>19.18 dBV/m</b> |



0 dB = 19.22 V/m = 25.68 dBV/m



## HAC-RF Emission ANT 1

Communication System: UID 10173 - CAC, 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 - SN4041; ConvF(1, 1, 1); Calibrated: 3/16/2018;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

## LTE Band 41 E-Field measurement/LTE TDD\_16QAM\_RB 1/49\_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 = 10.71 V/m; Power Drift = -0.03 dB

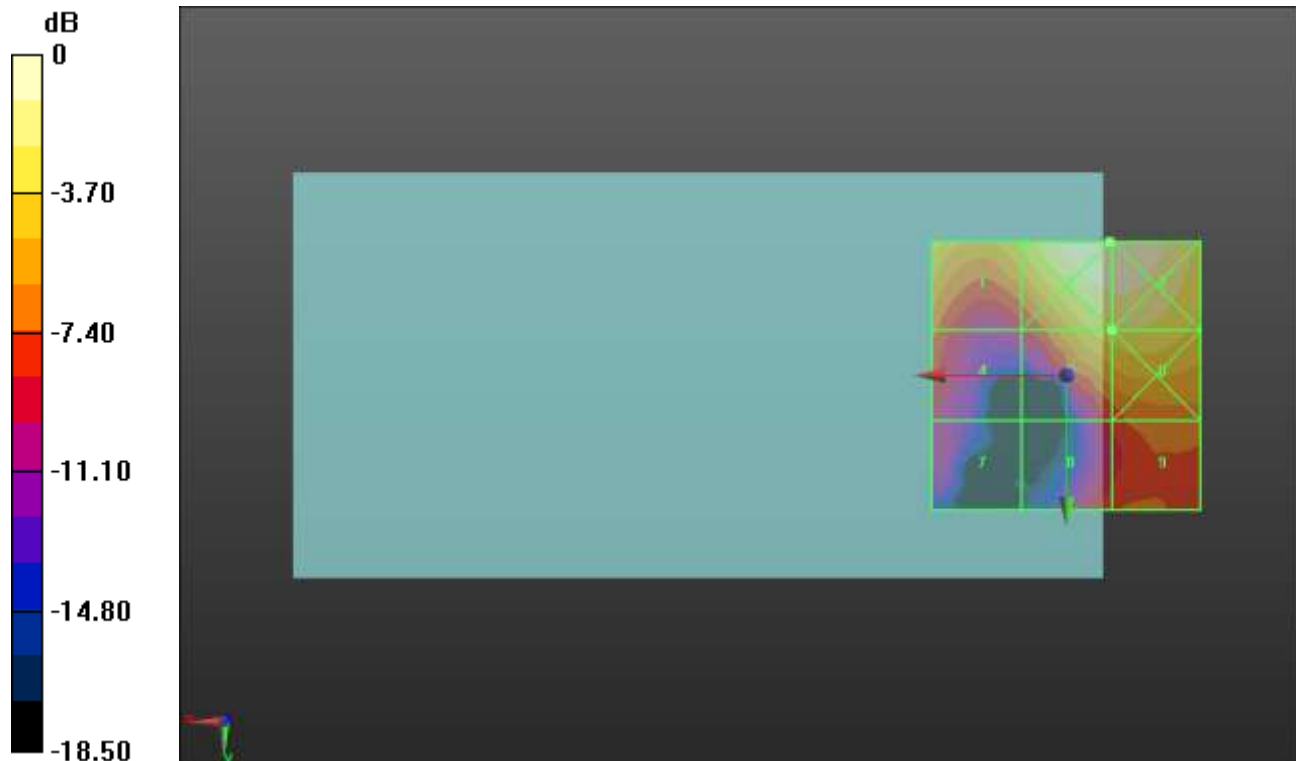
Applied MIF = -1.44 dB

RF audio interference level = 22.28 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>22.01 dBV/m</b> | Grid 2 <b>M4</b><br><b>25.1 dBV/m</b>  | Grid 3 <b>M4</b><br><b>25.1 dBV/m</b>  |
| Grid 4 <b>M4</b><br><b>18.18 dBV/m</b> | Grid 5 <b>M4</b><br><b>22.28 dBV/m</b> | Grid 6 <b>M4</b><br><b>22.56 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>15.08 dBV/m</b> | Grid 8 <b>M4</b><br><b>17.38 dBV/m</b> | Grid 9 <b>M4</b><br><b>18.43 dBV/m</b> |



0 dB = 17.99 V/m = 25.10 dBV/m

## HAC-RF Emission ANT 1

Communication System: UID 10173 - CAC, 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 - SN4041; ConvF(1, 1, 1); Calibrated: 3/16/2018;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

## LTE Band 41 E-Field measurement/LTE TDD\_16QAM\_RB 1/49\_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 = 10.72 V/m; Power Drift = -0.30 dB

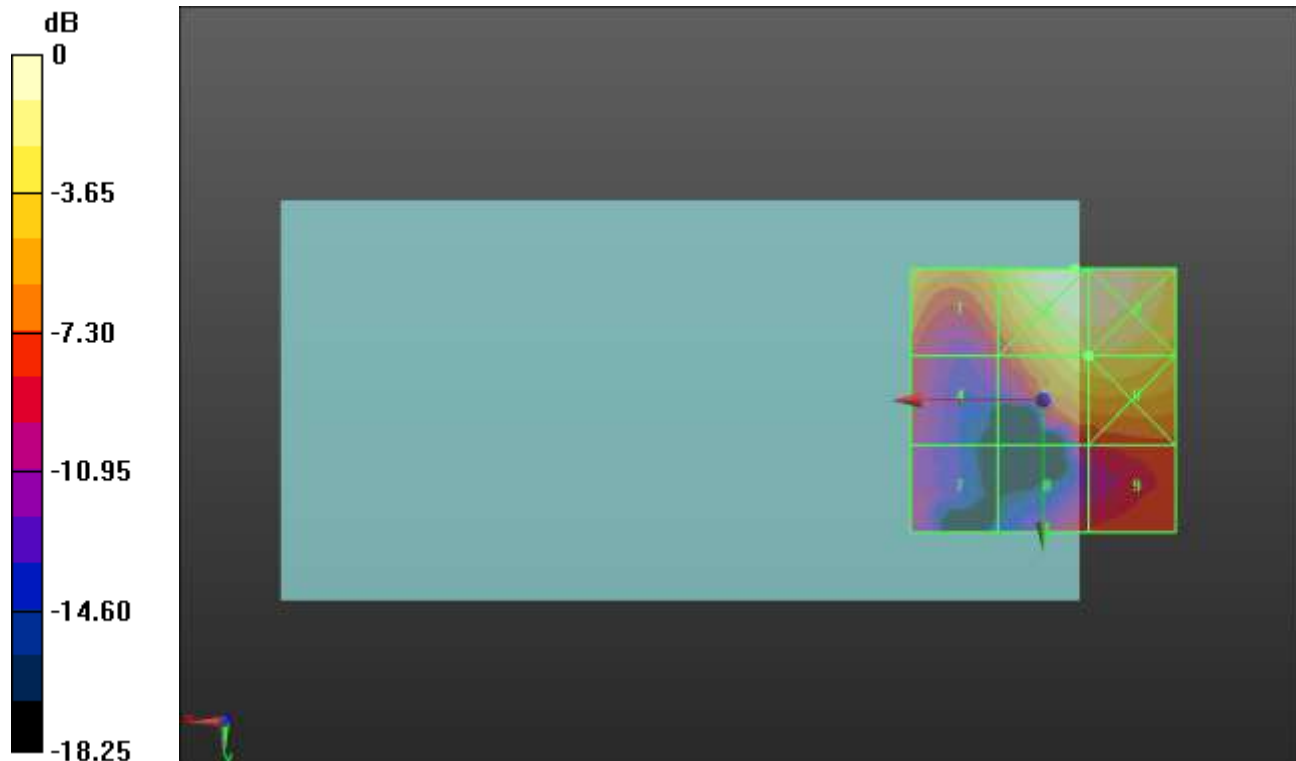
Applied MIF = -1.44 dB

RF audio interference level = 21.78 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>20.59 dBV/m</b> | Grid 2 <b>M4</b><br><b>24.32 dBV/m</b> | Grid 3 <b>M4</b><br><b>24.19 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>16.13 dBV/m</b> | Grid 5 <b>M4</b><br><b>21.78 dBV/m</b> | Grid 6 <b>M4</b><br><b>21.93 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>14.3 dBV/m</b>  | Grid 8 <b>M4</b><br><b>16.12 dBV/m</b> | Grid 9 <b>M4</b><br><b>16.89 dBV/m</b> |



0 dB = 16.45 V/m = 24.32 dBV/m

## HAC-RF Emission ANT 1

Communication System: UID 10173 - CAC, 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 - SN4041; ConvF(1, 1, 1); Calibrated: 3/16/2018;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

## LTE Band 41 E-Field measurement/LTE TDD\_16QAM\_RB 1/49\_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 = 10.24 V/m; Power Drift = -0.16 dB

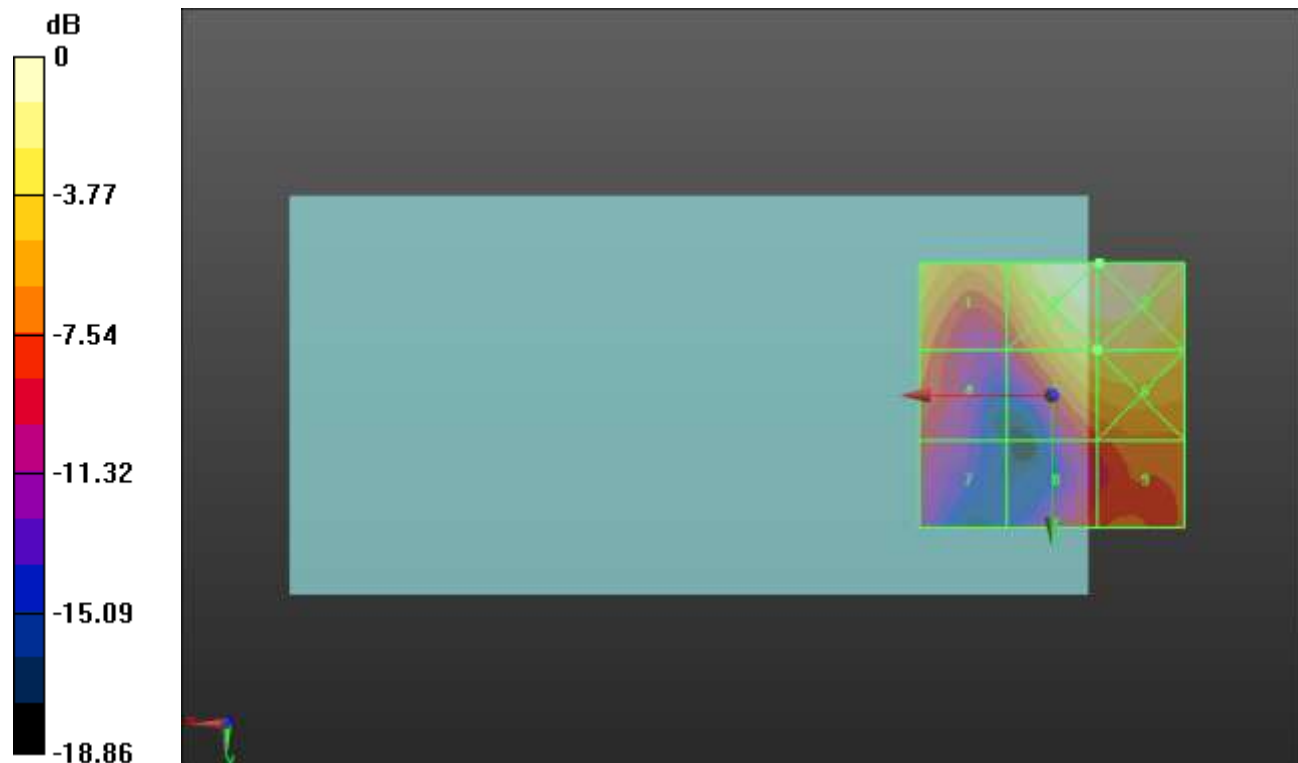
Applied MIF = -1.44 dB

RF audio interference level = 21.23 dBV/m

Emission category: **M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>20.53 dBV/m</b> | Grid 2 <b>M4</b><br><b>23.76 dBV/m</b> | Grid 3 <b>M4</b><br><b>23.76 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>17.08 dBV/m</b> | Grid 5 <b>M4</b><br><b>21.23 dBV/m</b> | Grid 6 <b>M4</b><br><b>21.53 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>14.63 dBV/m</b> | Grid 8 <b>M4</b><br><b>15.85 dBV/m</b> | Grid 9 <b>M4</b><br><b>17.48 dBV/m</b> |



0 dB = 15.42 V/m = 23.76 dBV/m

## HAC-RF Emission ANT 1

Communication System: UID 10173 - CAC, 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 - SN4041; ConvF(1, 1, 1); Calibrated: 3/16/2018;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

## LTE Band 41 E-Field measurement/LTE TDD\_16QAM\_RB 1/49\_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 = 8.807 V/m; Power Drift = 0.04 dB

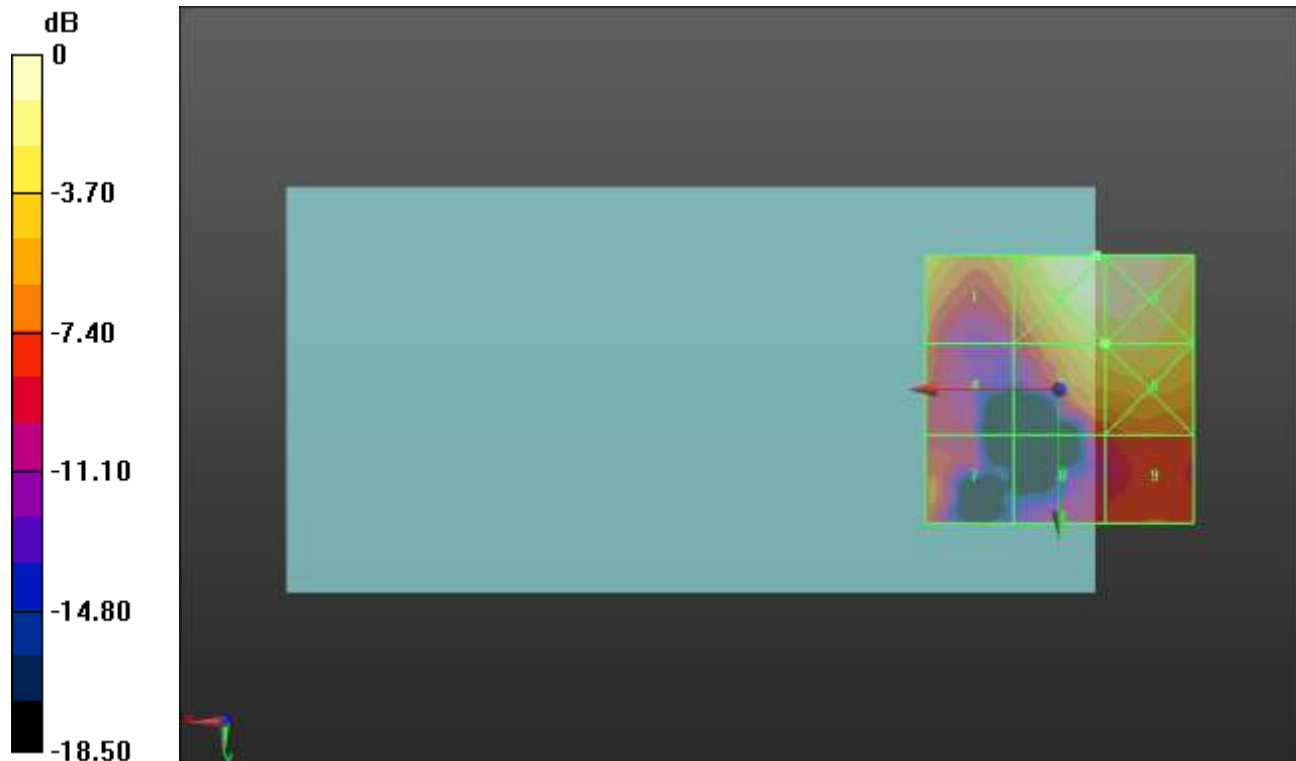
Applied MIF = -1.44 dB

RF audio interference level = 19.77 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>18.99 dBV/m</b> | Grid 2 <b>M4</b><br><b>22.21 dBV/m</b> | Grid 3 <b>M4</b><br><b>22.18 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>15.1 dBV/m</b>  | Grid 5 <b>M4</b><br><b>19.77 dBV/m</b> | Grid 6 <b>M4</b><br><b>20.08 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>15.2 dBV/m</b>  | Grid 8 <b>M4</b><br><b>13.89 dBV/m</b> | Grid 9 <b>M4</b><br><b>14.97 dBV/m</b> |



0 dB = 12.89 V/m = 22.21 dBV/m

## HAC-RF Emission ANT 2

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 - SN4041; ConvF(1, 1, 1); Calibrated: 3/16/2018;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

## 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 = 56.81 V/m; Power Drift = -0.05 dB

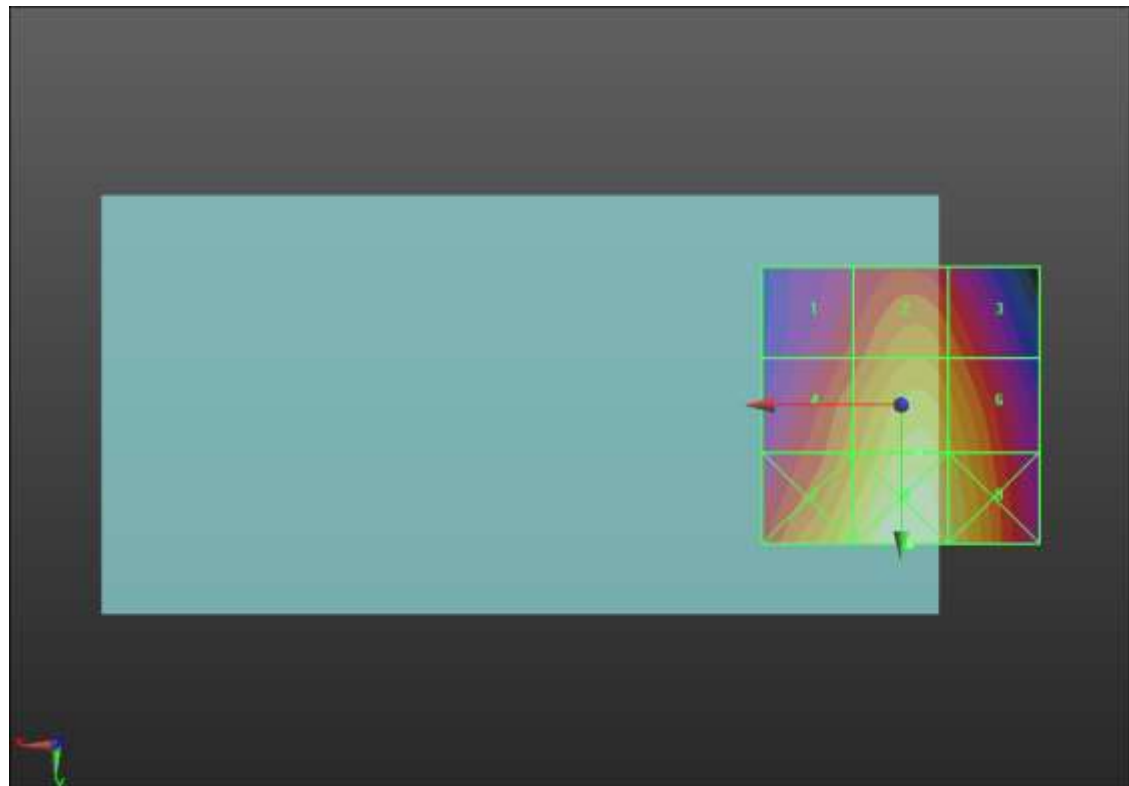
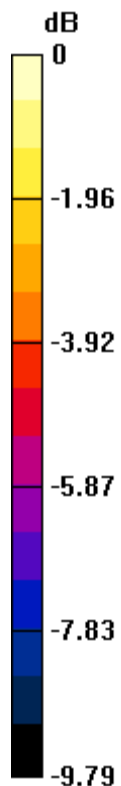
Applied MIF = 3.63 dB

RF audio interference level = 35.99 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>32.77 dBV/m</b> | Grid 2 <b>M4</b><br><b>34.36 dBV/m</b> | Grid 3 <b>M4</b><br><b>33.7 dBV/m</b>  |
| Grid 4 <b>M4</b><br><b>34.18 dBV/m</b> | Grid 5 <b>M4</b><br><b>35.99 dBV/m</b> | Grid 6 <b>M4</b><br><b>35.24 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>35.65 dBV/m</b> | Grid 8 <b>M4</b><br><b>36.96 dBV/m</b> | Grid 9 <b>M4</b><br><b>35.92 dBV/m</b> |



0 dB = 70.44 V/m = 36.96 dBV/m

## HAC-RF Emission ANT 2

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 - SN4041; ConvF(1, 1, 1); Calibrated: 3/16/2018;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

## 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 = 55.16 V/m; Power Drift = 0.01 dB

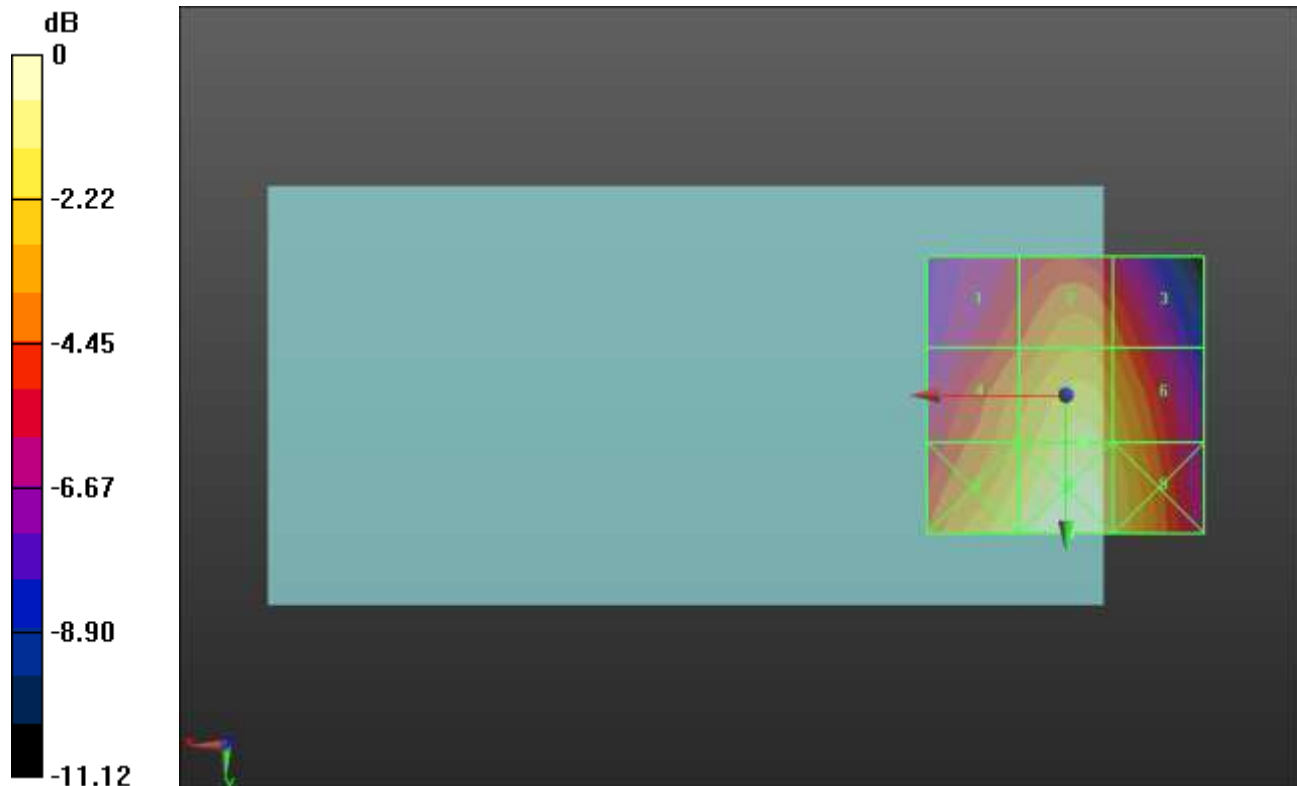
Applied MIF = 3.63 dB

RF audio interference level = 35.72 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>32.45 dBV/m</b> | Grid 2 <b>M4</b><br><b>33.9 dBV/m</b>  | Grid 3 <b>M4</b><br><b>33.08 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>34.1 dBV/m</b>  | Grid 5 <b>M4</b><br><b>35.72 dBV/m</b> | Grid 6 <b>M4</b><br><b>34.81 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>35.69 dBV/m</b> | Grid 8 <b>M4</b><br><b>36.84 dBV/m</b> | Grid 9 <b>M4</b><br><b>35.59 dBV/m</b> |



0 dB = 69.52 V/m = 36.84 dBV/m

## HAC-RF Emission ANT 2

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 - SN4041; ConvF(1, 1, 1); Calibrated: 3/16/2018;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

## 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 = 52.33 V/m; Power Drift = -0.09 dB

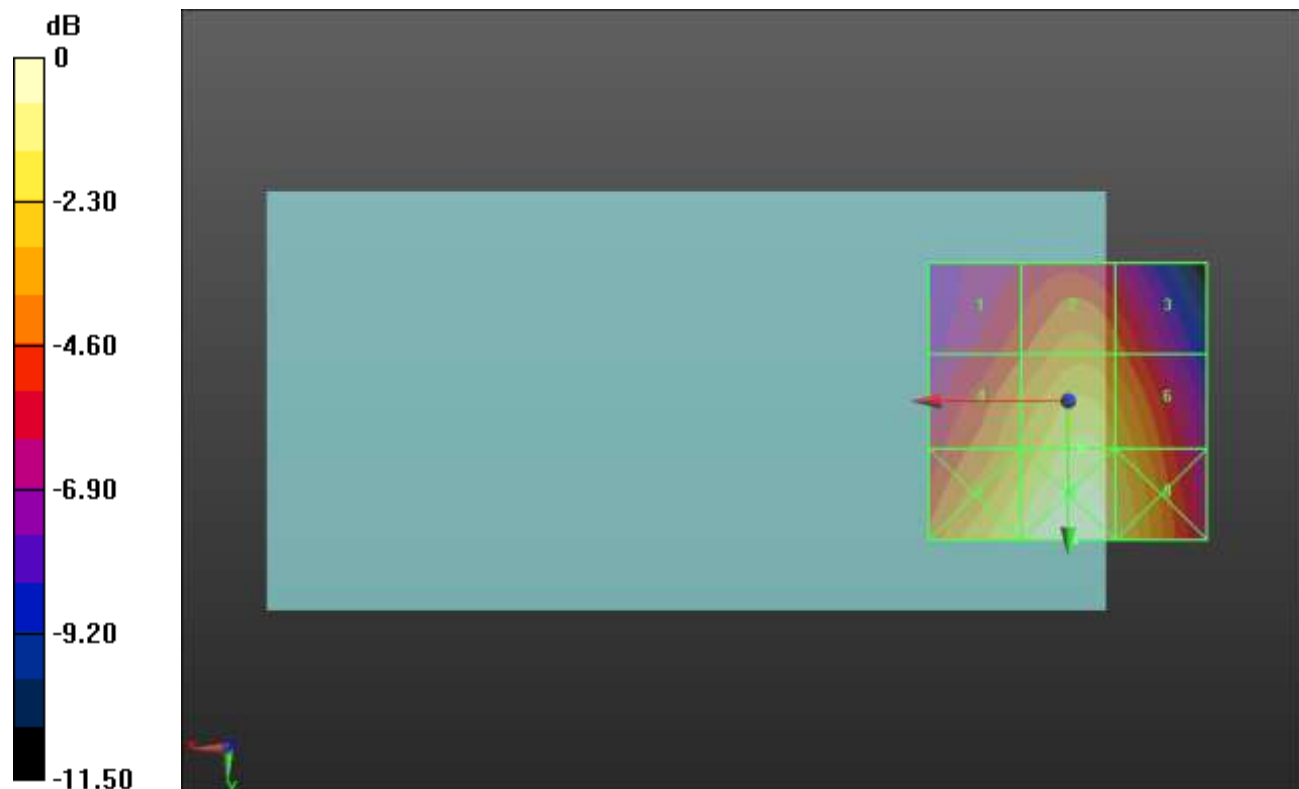
Applied MIF = 3.63 dB

RF audio interference level = 35.35 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>31.92 dBV/m</b> | Grid 2 <b>M4</b><br><b>33.32 dBV/m</b> | Grid 3 <b>M4</b><br><b>32.52 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>33.71 dBV/m</b> | Grid 5 <b>M4</b><br><b>35.35 dBV/m</b> | Grid 6 <b>M4</b><br><b>34.49 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>35.46 dBV/m</b> | Grid 8 <b>M4</b><br><b>36.61 dBV/m</b> | Grid 9 <b>M4</b><br><b>35.43 dBV/m</b> |



0 dB = 67.66 V/m = 36.61 dBV/m

## HAC-RF Emission ANT 2

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 - SN4041; ConvF(1, 1, 1); Calibrated: 3/16/2018;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

## 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 = 24.89 V/m; Power Drift = -0.01 dB

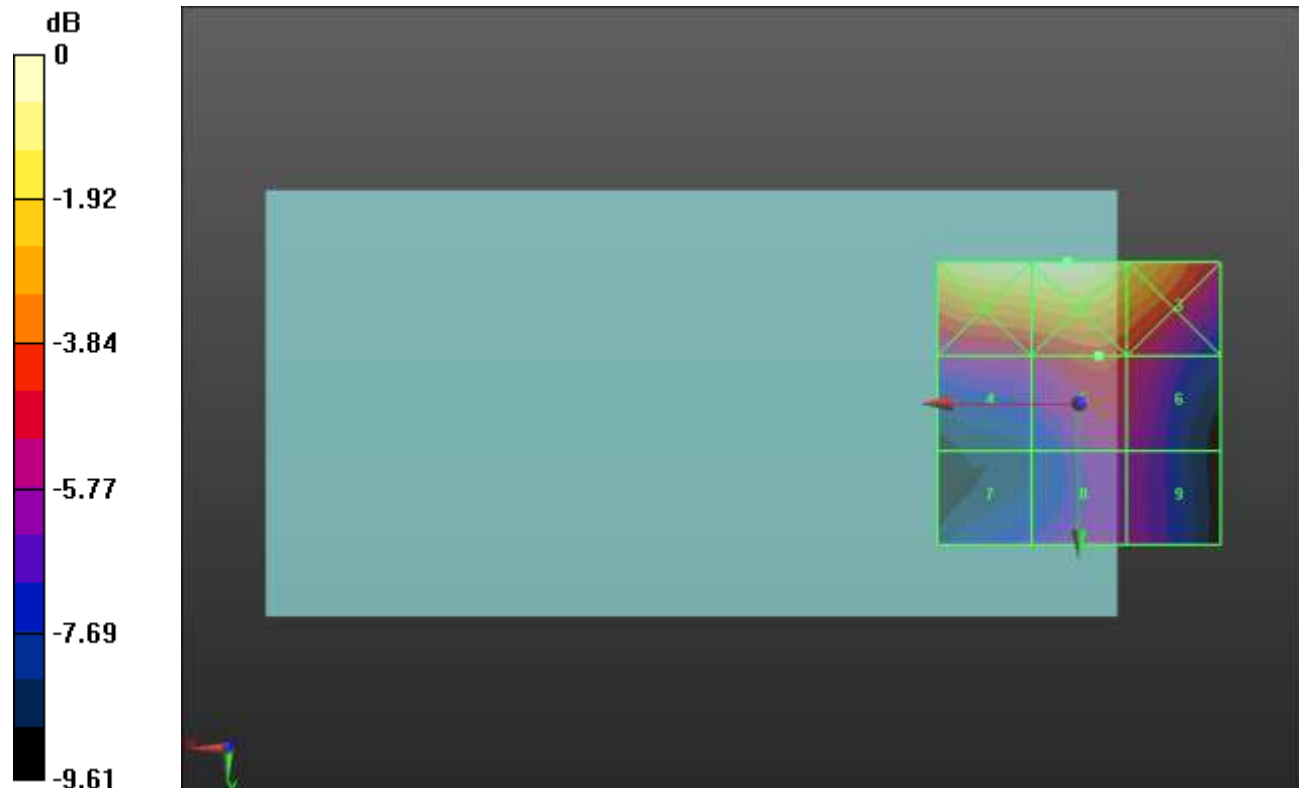
Applied MIF = 3.63 dB

RF audio interference level = 29.00 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M3</b><br><b>32.97 dBV/m</b> | Grid 2 <b>M3</b><br><b>33.09 dBV/m</b> | Grid 3 <b>M3</b><br><b>31.81 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>28.01 dBV/m</b> | Grid 5 <b>M4</b><br><b>29 dBV/m</b>    | Grid 6 <b>M4</b><br><b>28.48 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>26.37 dBV/m</b> | Grid 8 <b>M4</b><br><b>27.47 dBV/m</b> | Grid 9 <b>M4</b><br><b>27.24 dBV/m</b> |



0 dB = 45.12 V/m = 33.09 dBV/m



## HAC-RF Emission ANT 2

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 - SN4041; ConvF(1, 1, 1); Calibrated: 3/16/2018;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

## 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 = 25.21 V/m; Power Drift = -0.04 dB

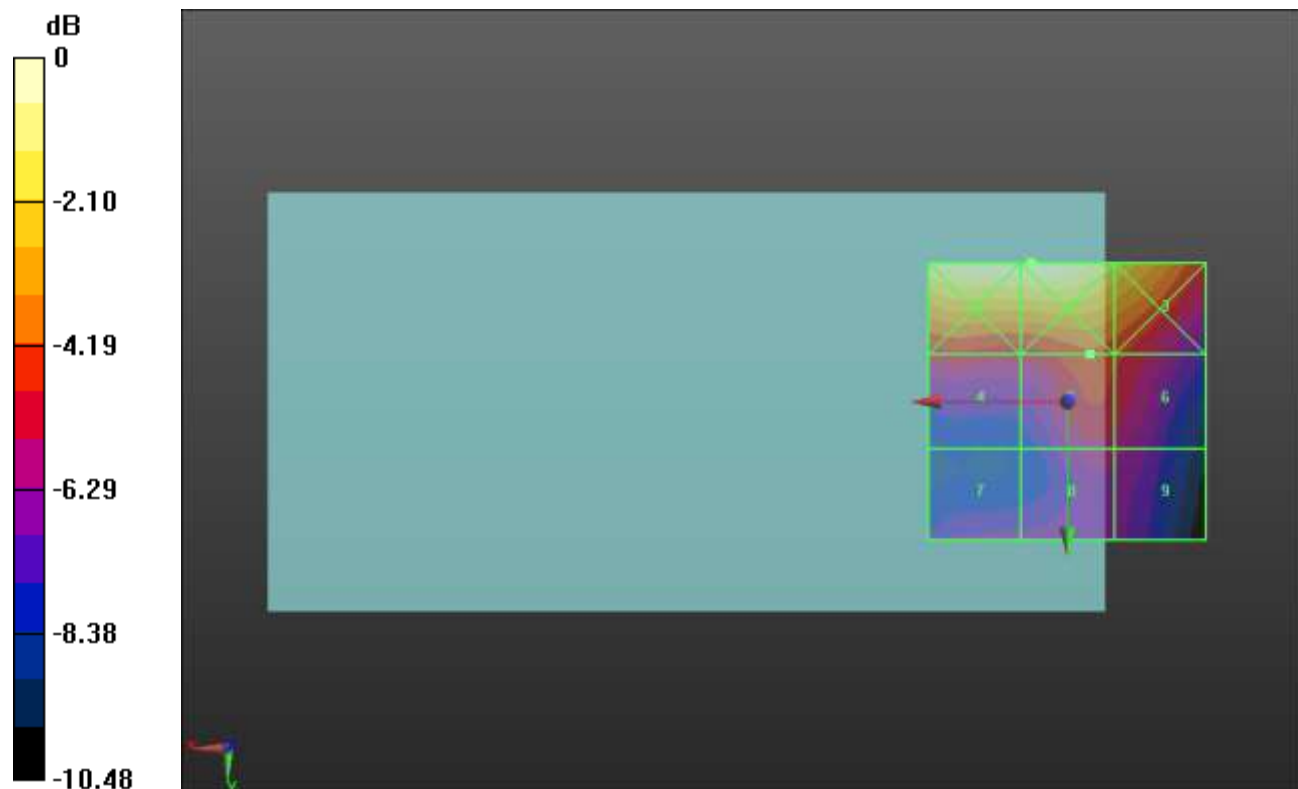
Applied MIF = 3.63 dB

RF audio interference level = 28.78 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>33.09 dBV/m</b> | Grid 3 <b>M3</b><br><b>31.73 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>28.06 dBV/m</b> | Grid 5 <b>M4</b><br><b>28.78 dBV/m</b> | Grid 6 <b>M4</b><br><b>28.47 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>26.56 dBV/m</b> | Grid 8 <b>M4</b><br><b>27.36 dBV/m</b> | Grid 9 <b>M4</b><br><b>27.13 dBV/m</b> |



0 dB = 45.15 V/m = 33.09 dBV/m

## HAC-RF Emission ANT 2

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 - SN4041; ConvF(1, 1, 1); Calibrated: 3/16/2018;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

## 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 = 26.48 V/m; Power Drift = 0.02 dB

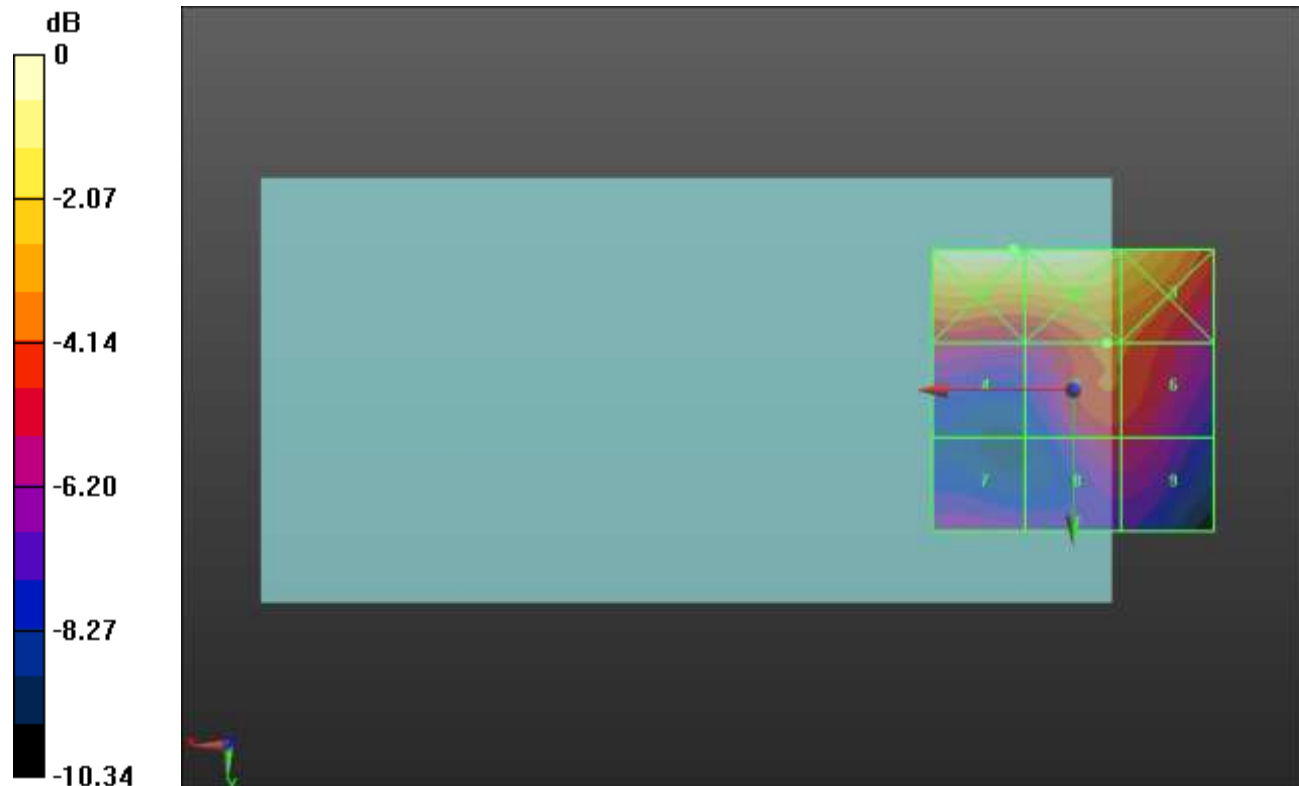
Applied MIF = 3.63 dB

RF audio interference level = 28.99 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M3</b><br><b>32.88 dBV/m</b> | Grid 2 <b>M3</b><br><b>32.87 dBV/m</b> | Grid 3 <b>M3</b><br><b>31.71 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>27.59 dBV/m</b> | Grid 5 <b>M4</b><br><b>28.99 dBV/m</b> | Grid 6 <b>M4</b><br><b>28.9 dBV/m</b>  |
| Grid 7 <b>M4</b><br><b>26.84 dBV/m</b> | Grid 8 <b>M4</b><br><b>27.69 dBV/m</b> | Grid 9 <b>M4</b><br><b>27.63 dBV/m</b> |



0 dB = 44.03 V/m = 32.87 dBV/m

## HAC-RF Emission ANT 2

Communication System: UID 10295 - AAB, CDMA2000, RC1, SO3, 1/8th Rate 25 fr.; Frequency: 824.7 MHz; Duty Cycle: 1:17.7419

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/16/2018;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

## CDMA BC0 E-Field measurement/RC1\_SO3\_Ch 1013/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 = 47.85 V/m; Power Drift = 0.01 dB

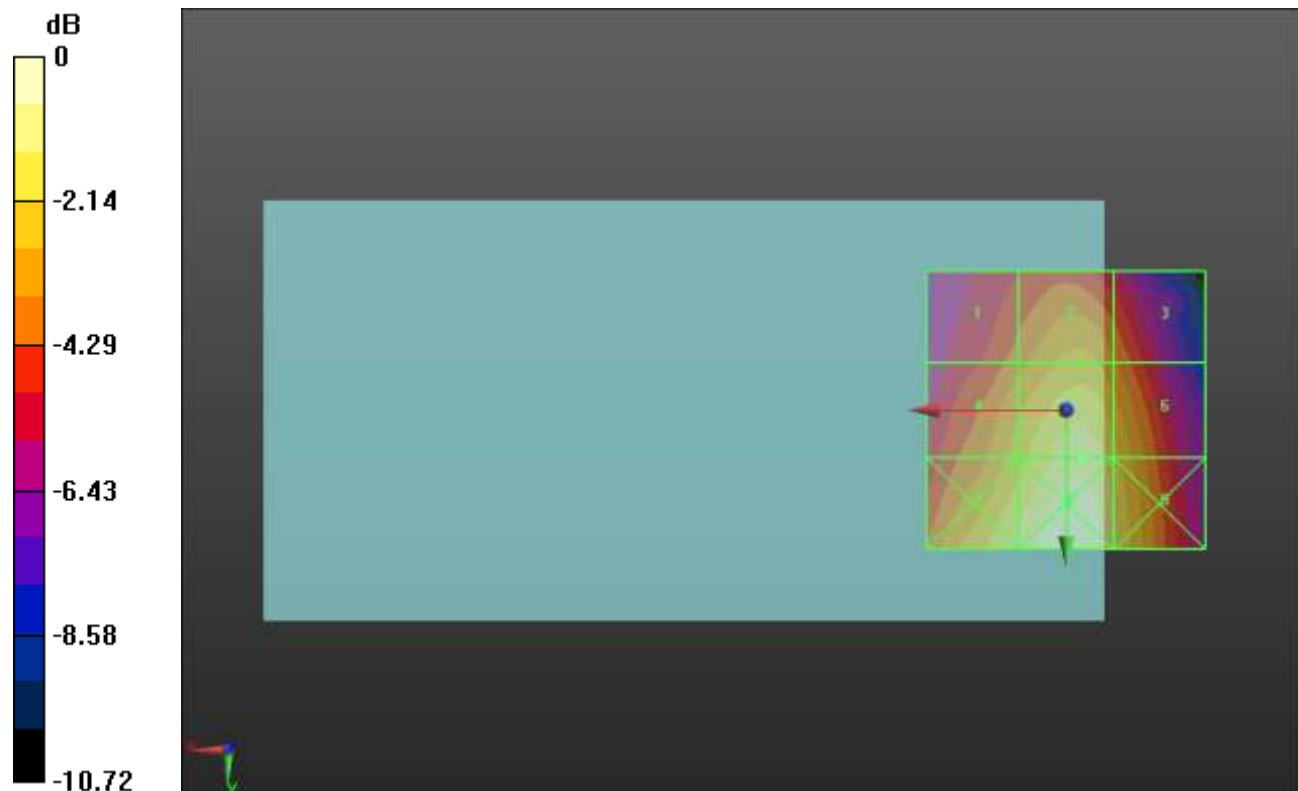
Applied MIF = 3.26 dB

RF audio interference level = 33.90 dBV/m

Emission category: **M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>31.04 dBV/m</b> | Grid 2 <b>M4</b><br><b>32.3 dBV/m</b>  | Grid 3 <b>M4</b><br><b>31.47 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>32.47 dBV/m</b> | Grid 5 <b>M4</b><br><b>33.9 dBV/m</b>  | Grid 6 <b>M4</b><br><b>32.99 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>33.82 dBV/m</b> | Grid 8 <b>M4</b><br><b>34.88 dBV/m</b> | Grid 9 <b>M4</b><br><b>33.61 dBV/m</b> |



0 dB = 55.47 V/m = 34.88 dBV/m

## HAC-RF Emission ANT 2

Communication System: UID 10295 - AAB, CDMA2000, RC1, SO3, 1/8th Rate 25 fr.; Frequency: 831.99 MHz; Duty Cycle: 1:17.7419

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/16/2018;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

## CDMA BC0 E-Field measurement/RC1\_SO3\_Ch 384/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 = 44.91 V/m; Power Drift = -0.01 dB

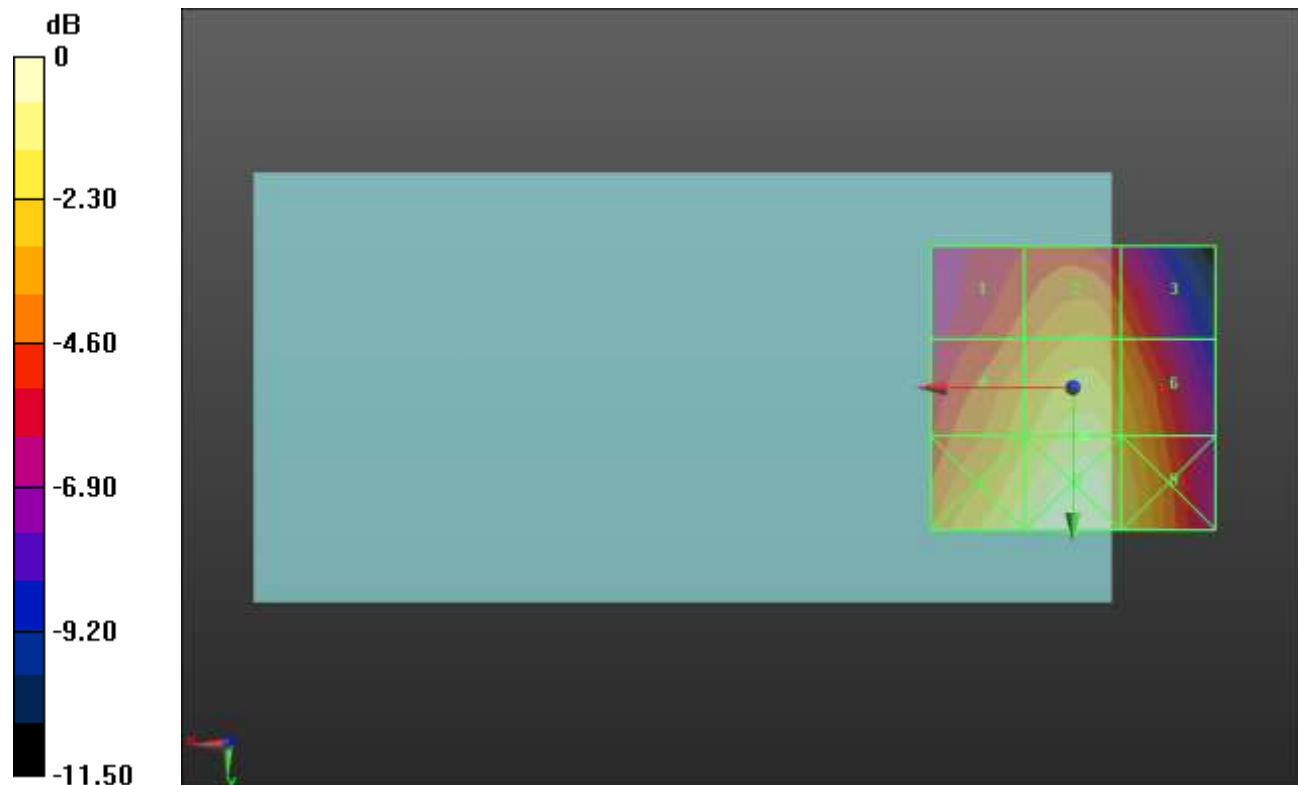
Applied MIF = 3.26 dB

RF audio interference level = 33.47 dBV/m

Emission category: **M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>30.52 dBV/m</b> | Grid 2 <b>M4</b><br><b>31.65 dBV/m</b> | Grid 3 <b>M4</b><br><b>30.7 dBV/m</b>  |
| Grid 4 <b>M4</b><br><b>32.11 dBV/m</b> | Grid 5 <b>M4</b><br><b>33.47 dBV/m</b> | Grid 6 <b>M4</b><br><b>32.44 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>33.61 dBV/m</b> | Grid 8 <b>M4</b><br><b>34.56 dBV/m</b> | Grid 9 <b>M4</b><br><b>33.19 dBV/m</b> |



0 dB = 53.46 V/m = 34.56 dBV/m

## HAC-RF Emission ANT 2

Communication System: UID 10295 - AAB, CDMA2000, RC1, SO3, 1/8th Rate 25 fr.; Frequency: 848.31 MHz; Duty Cycle: 1:17.7419

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/16/2018;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

## CDMA BC0 E-Field measurement/RC1\_SO3\_Ch 777/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 = 41.16 V/m; Power Drift = -0.05 dB

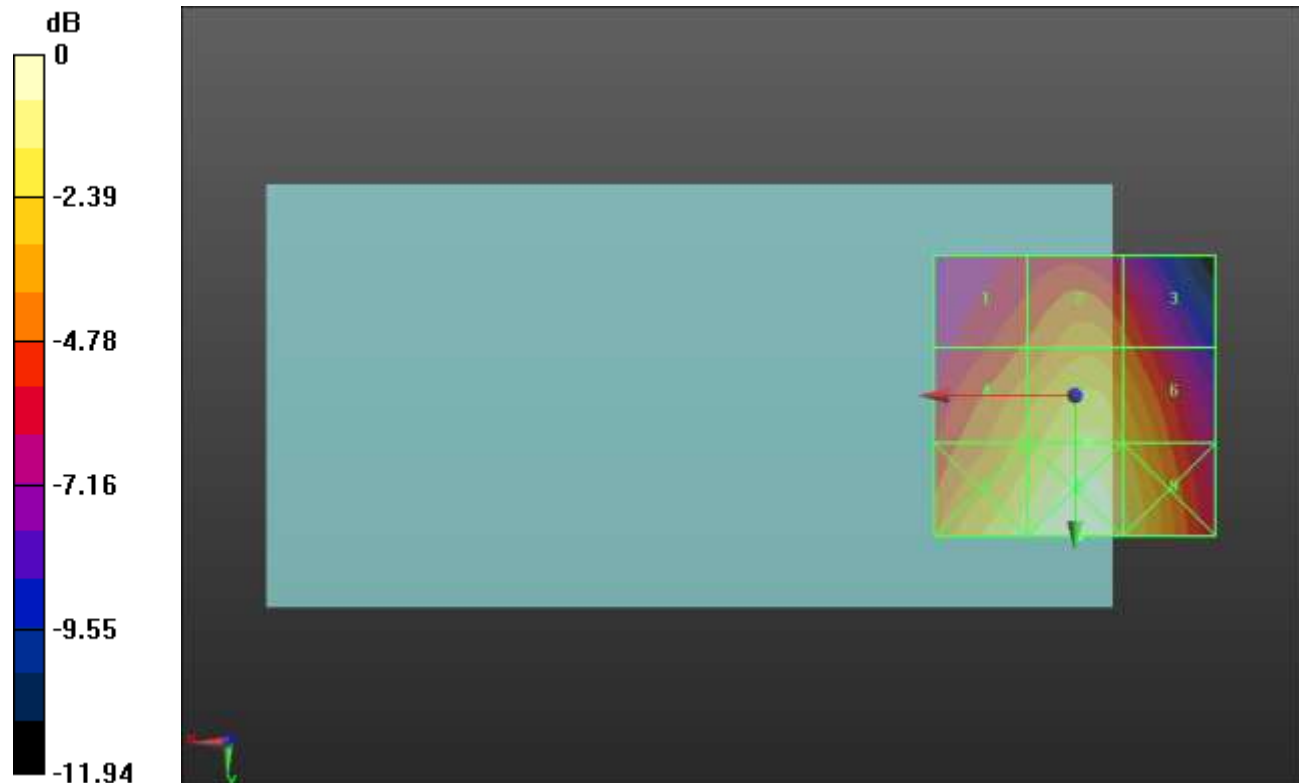
Applied MIF = 3.26 dB

RF audio interference level = 32.88 dBV/m

Emission category: **M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>29.59 dBV/m</b> | Grid 2 <b>M4</b><br><b>30.82 dBV/m</b> | Grid 3 <b>M4</b><br><b>29.91 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>31.43 dBV/m</b> | Grid 5 <b>M4</b><br><b>32.88 dBV/m</b> | Grid 6 <b>M4</b><br><b>31.95 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>33.14 dBV/m</b> | Grid 8 <b>M4</b><br><b>34.17 dBV/m</b> | Grid 9 <b>M4</b><br><b>33.01 dBV/m</b> |



0 dB = 51.09 V/m = 34.17 dBV/m

## HAC-RF Emission ANT 2

Communication System: UID 10295 - AAB, CDMA2000, RC1, SO3, 1/8th Rate 25 fr.; Frequency: 1851.25 MHz; Duty Cycle: 1:17.7419

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/16/2018;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

## CDMA BC1 E-Field measurement/RC1\_SO3\_Ch 25/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 = 23.06 V/m; Power Drift = 0.11 dB

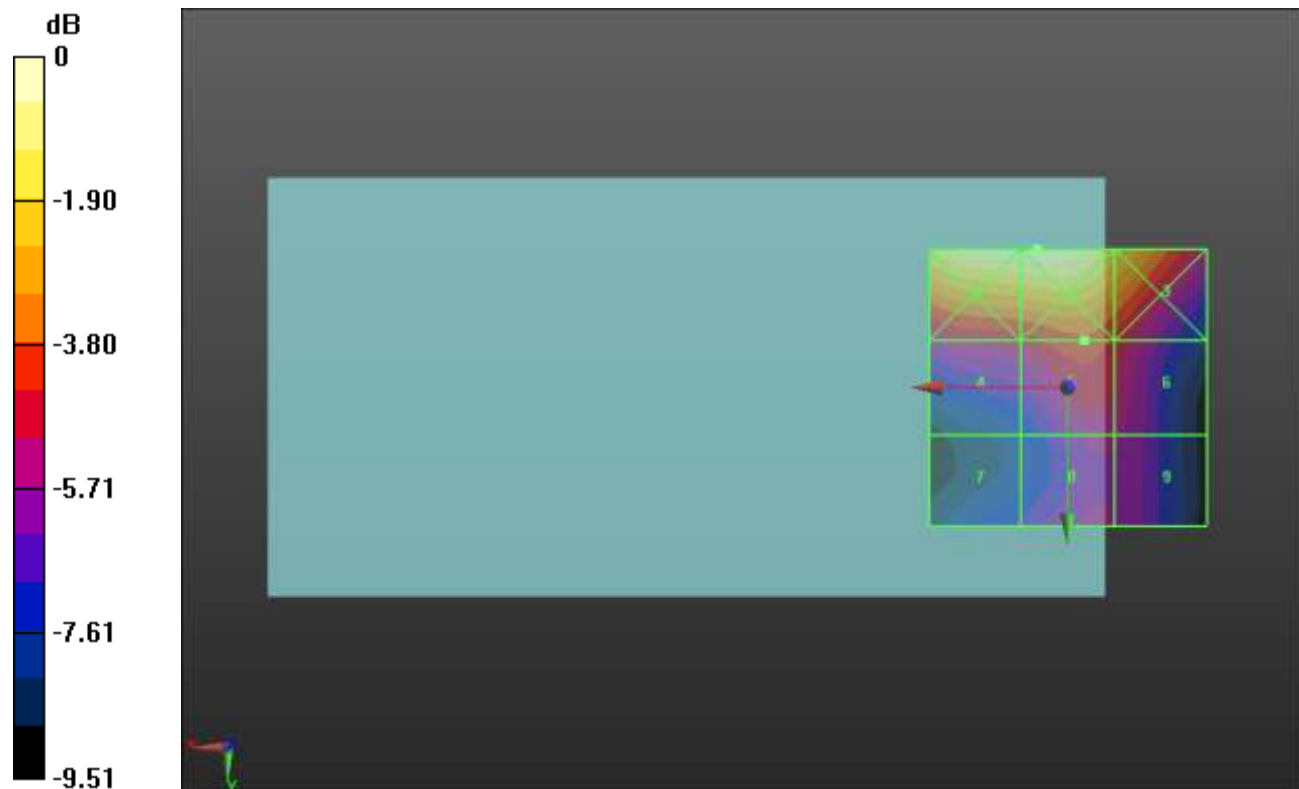
Applied MIF = 3.26 dB

RF audio interference level = 28.07 dBV/m

Emission category: **M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M3</b><br><b>31.93 dBV/m</b> | Grid 2 <b>M3</b><br><b>32.01 dBV/m</b> | Grid 3 <b>M3</b><br><b>30.51 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>27.24 dBV/m</b> | Grid 5 <b>M4</b><br><b>28.07 dBV/m</b> | Grid 6 <b>M4</b><br><b>27.48 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>25.28 dBV/m</b> | Grid 8 <b>M4</b><br><b>26.55 dBV/m</b> | Grid 9 <b>M4</b><br><b>26.47 dBV/m</b> |



0 dB = 39.88 V/m = 32.02 dBV/m

## HAC-RF Emission ANT 2

Communication System: UID 10295 - AAB, CDMA2000, RC1, SO3, 1/8th Rate 25 fr.; Frequency: 1880 MHz; Duty Cycle: 1:17.7419

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/16/2018;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

## CDMA BC1 E-Field measurement/RC1\_SO3\_Ch 600/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 = 22.28 V/m; Power Drift = -0.06 dB

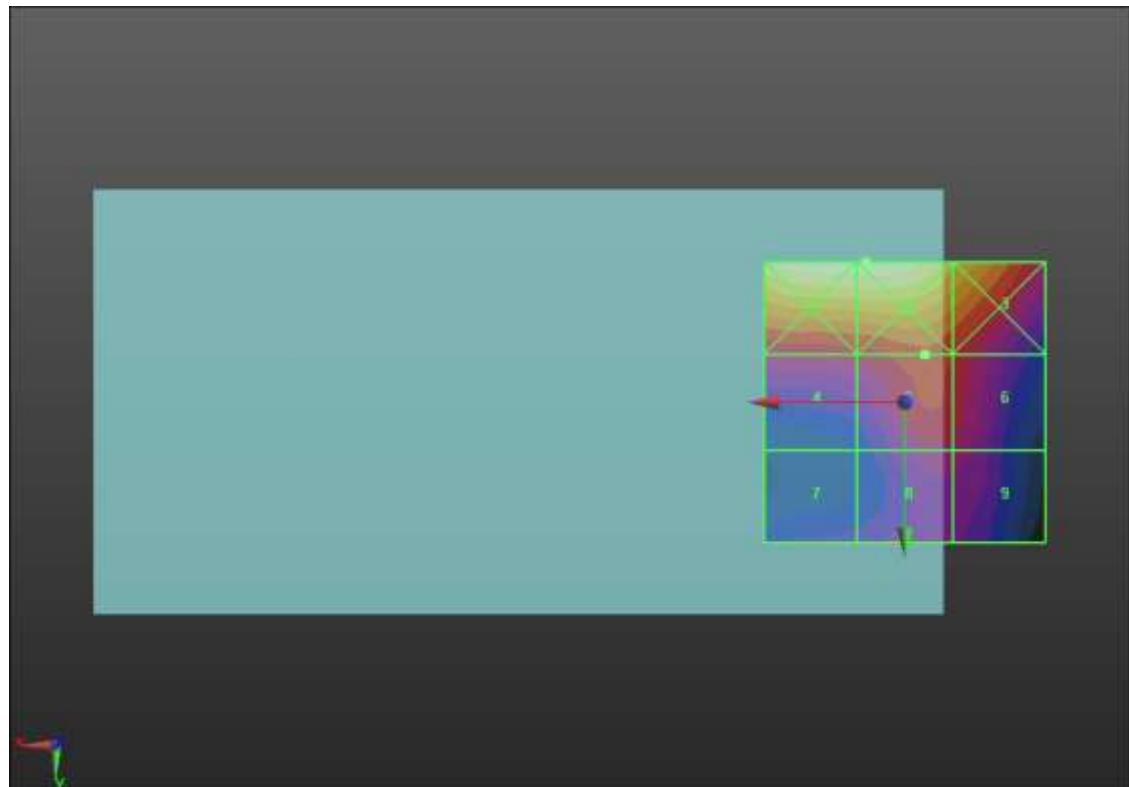
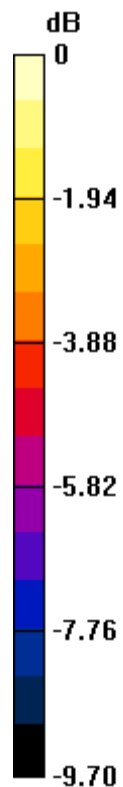
Applied MIF = 3.26 dB

RF audio interference level = 27.40 dBV/m

Emission category: **M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M3</b><br><b>31.42 dBV/m</b> | Grid 2 <b>M3</b><br><b>31.43 dBV/m</b> | Grid 3 <b>M4</b><br><b>29.83 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>26.64 dBV/m</b> | Grid 5 <b>M4</b><br><b>27.4 dBV/m</b>  | Grid 6 <b>M4</b><br><b>26.95 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>24.76 dBV/m</b> | Grid 8 <b>M4</b><br><b>26.12 dBV/m</b> | Grid 9 <b>M4</b><br><b>26.02 dBV/m</b> |



0 dB = 37.28 V/m = 31.43 dBV/m

## HAC-RF Emission ANT 2

Communication System: UID 10295 - AAB, CDMA2000, RC1, SO3, 1/8th Rate 25 fr.; Frequency: 1908.75 MHz; Duty Cycle: 1:17.7419

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/16/2018;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

## CDMA BC1 E-Field measurement/RC1\_SO3\_Ch 1175/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 = 22.83 V/m; Power Drift = 0.02 dB

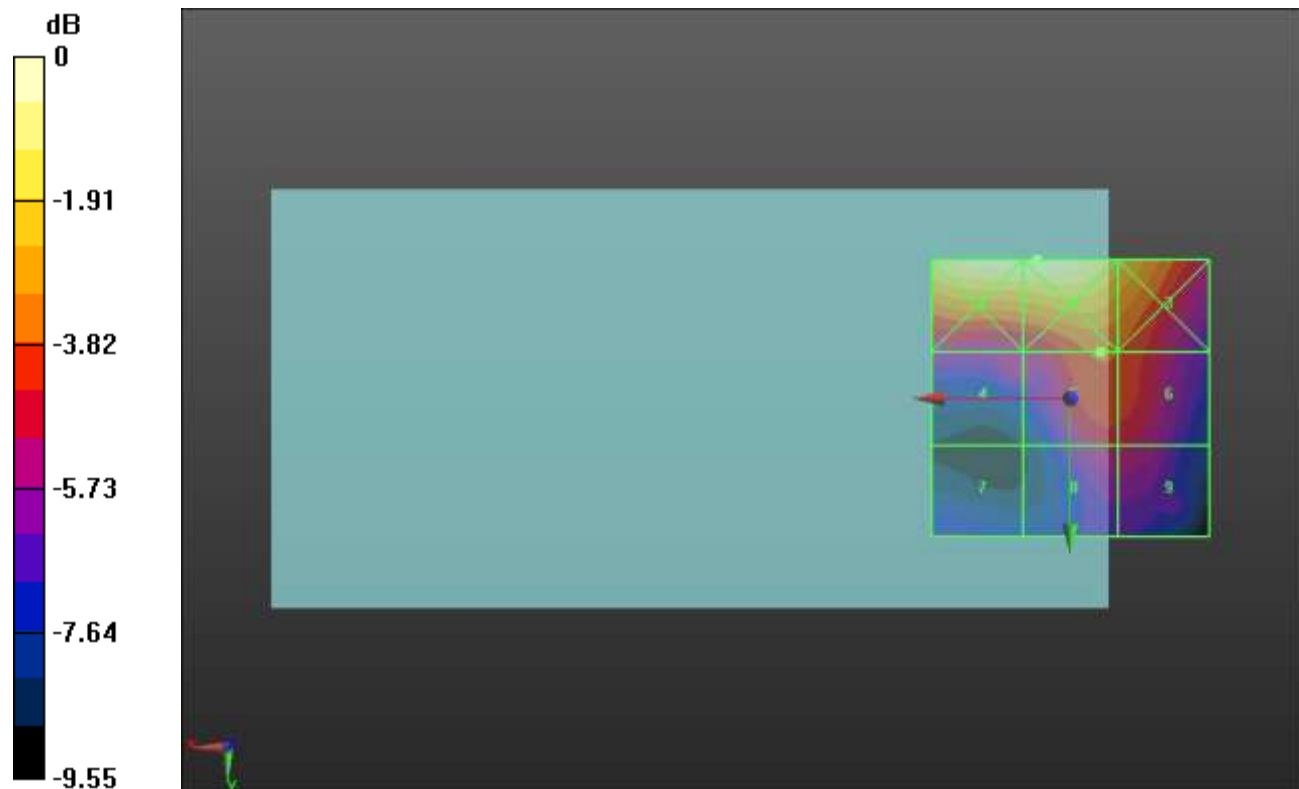
Applied MIF = 3.26 dB

RF audio interference level = 27.54 dBV/m

Emission category: **M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M3</b><br><b>31.19 dBV/m</b> | Grid 2 <b>M3</b><br><b>31.24 dBV/m</b> | Grid 3 <b>M4</b><br><b>29.77 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>26.13 dBV/m</b> | Grid 5 <b>M4</b><br><b>27.54 dBV/m</b> | Grid 6 <b>M4</b><br><b>27.44 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>24.46 dBV/m</b> | Grid 8 <b>M4</b><br><b>26.31 dBV/m</b> | Grid 9 <b>M4</b><br><b>26.29 dBV/m</b> |



0 dB = 36.47 V/m = 31.24 dBV/m



## HAC-RF Emission ANT 2

Communication System: UID 10295 - AAB, CDMA2000, RC1, SO3, 1/8th Rate 25 fr.; Frequency: 817.3 MHz; Duty Cycle: 1:17.7419

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/16/2018;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

## CDMA BC10 E-Field measurement/RC1\_SO3\_ch 450/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 = 46.83 V/m; Power Drift = -0.12 dB

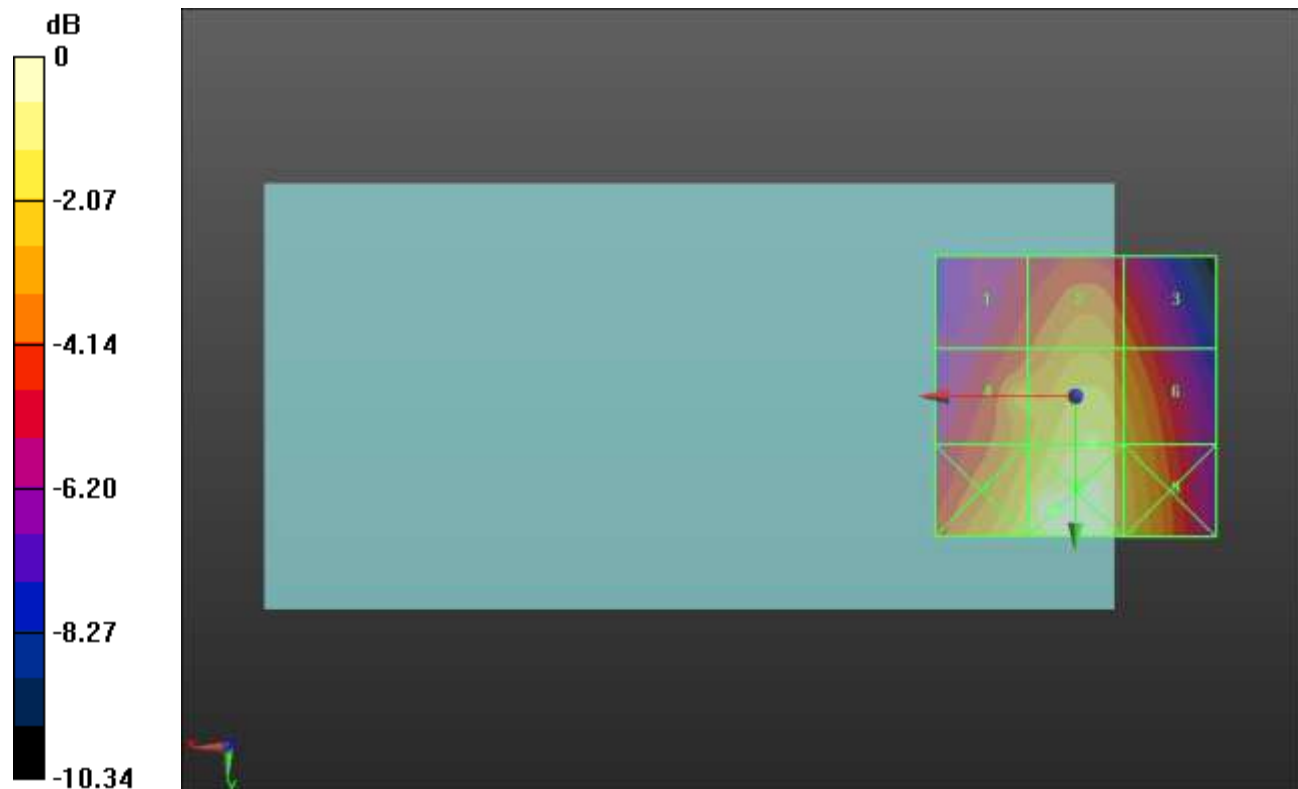
Applied MIF = 3.26 dB

RF audio interference level = 33.81 dBV/m

Emission category: **M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>30.79 dBV/m</b> | Grid 2 <b>M4</b><br><b>32.21 dBV/m</b> | Grid 3 <b>M4</b><br><b>31.49 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>32.63 dBV/m</b> | Grid 5 <b>M4</b><br><b>33.81 dBV/m</b> | Grid 6 <b>M4</b><br><b>32.97 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>33.6 dBV/m</b>  | Grid 8 <b>M4</b><br><b>35.01 dBV/m</b> | Grid 9 <b>M4</b><br><b>33.58 dBV/m</b> |



0 dB = 56.32 V/m = 35.01 dBV/m

## HAC-RF Emission ANT 2

Communication System: UID 10295 - AAB, CDMA2000, RC1, SO3, 1/8th Rate 25 fr.; Frequency: 820 MHz; Duty Cycle: 1:17.7419

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/16/2018;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

## CDMA BC10 E-Field measurement/RC1\_SO3\_ch 560/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 = 47.13 V/m; Power Drift = 0.01 dB

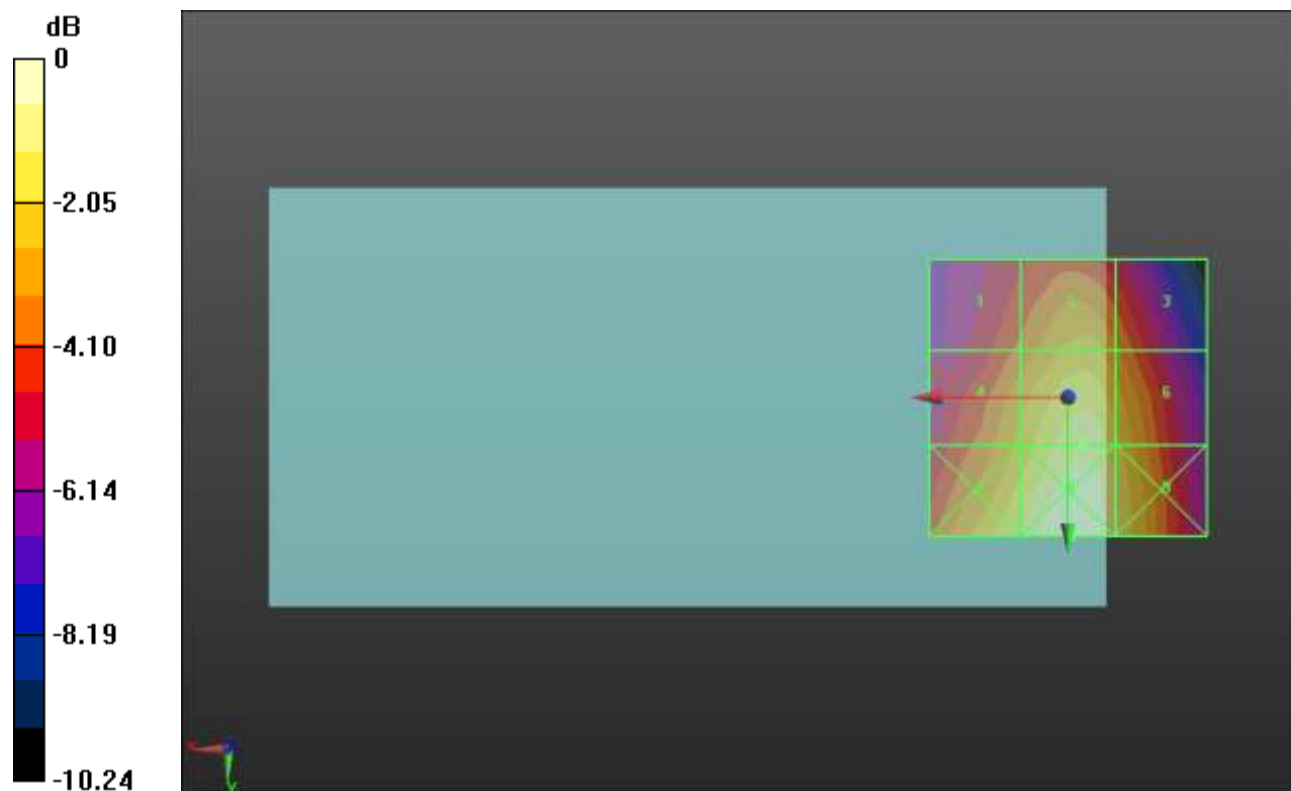
Applied MIF = 3.26 dB

RF audio interference level = 33.89 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>30.95 dBV/m</b> | Grid 2 <b>M4</b><br><b>32.38 dBV/m</b> | Grid 3 <b>M4</b><br><b>31.56 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>32.32 dBV/m</b> | Grid 5 <b>M4</b><br><b>33.89 dBV/m</b> | Grid 6 <b>M4</b><br><b>33.01 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>33.64 dBV/m</b> | Grid 8 <b>M4</b><br><b>34.79 dBV/m</b> | Grid 9 <b>M4</b><br><b>33.62 dBV/m</b> |



0 dB = 54.91 V/m = 34.79 dBV/m

## HAC-RF Emission ANT 2

Communication System: UID 10295 - AAB, CDMA2000, RC1, SO3, 1/8th Rate 25 fr.; Frequency: 822.75 MHz; Duty Cycle: 1:17.7419

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/16/2018;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

## CDMA BC10 E-Field measurement/RC1\_SO3\_ch 670/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 = 47.71 V/m; Power Drift = -0.14 dB

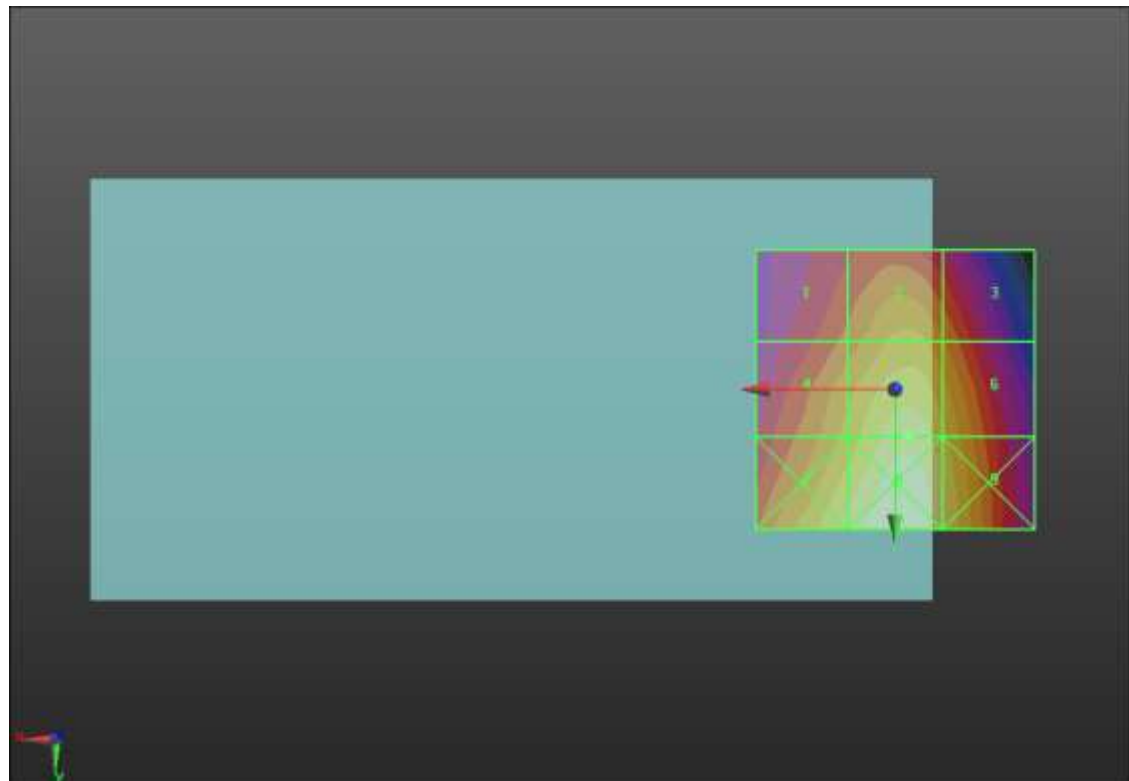
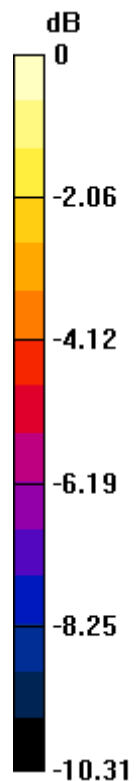
Applied MIF = 3.26 dB

RF audio interference level = 33.94 dBV/m

Emission category: **M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>31.03 dBV/m</b> | Grid 2 <b>M4</b><br><b>32.36 dBV/m</b> | Grid 3 <b>M4</b><br><b>31.53 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>32.39 dBV/m</b> | Grid 5 <b>M4</b><br><b>33.94 dBV/m</b> | Grid 6 <b>M4</b><br><b>33 dBV/m</b>    |
| Grid 7 <b>M4</b><br><b>33.72 dBV/m</b> | Grid 8 <b>M4</b><br><b>34.85 dBV/m</b> | Grid 9 <b>M4</b><br><b>33.59 dBV/m</b> |



0 dB = 55.25 V/m = 34.85 dBV/m

## HAC-RF Emission ANT 2

Communication System: UID 10173 - CAC, 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 - SN4041; ConvF(1, 1, 1); Calibrated: 3/16/2018;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

## LTE Band 41 E-Field measurement/LTE TDD\_16QAM\_RB 1/49\_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 = 68.92 V/m; Power Drift = -0.30 dB

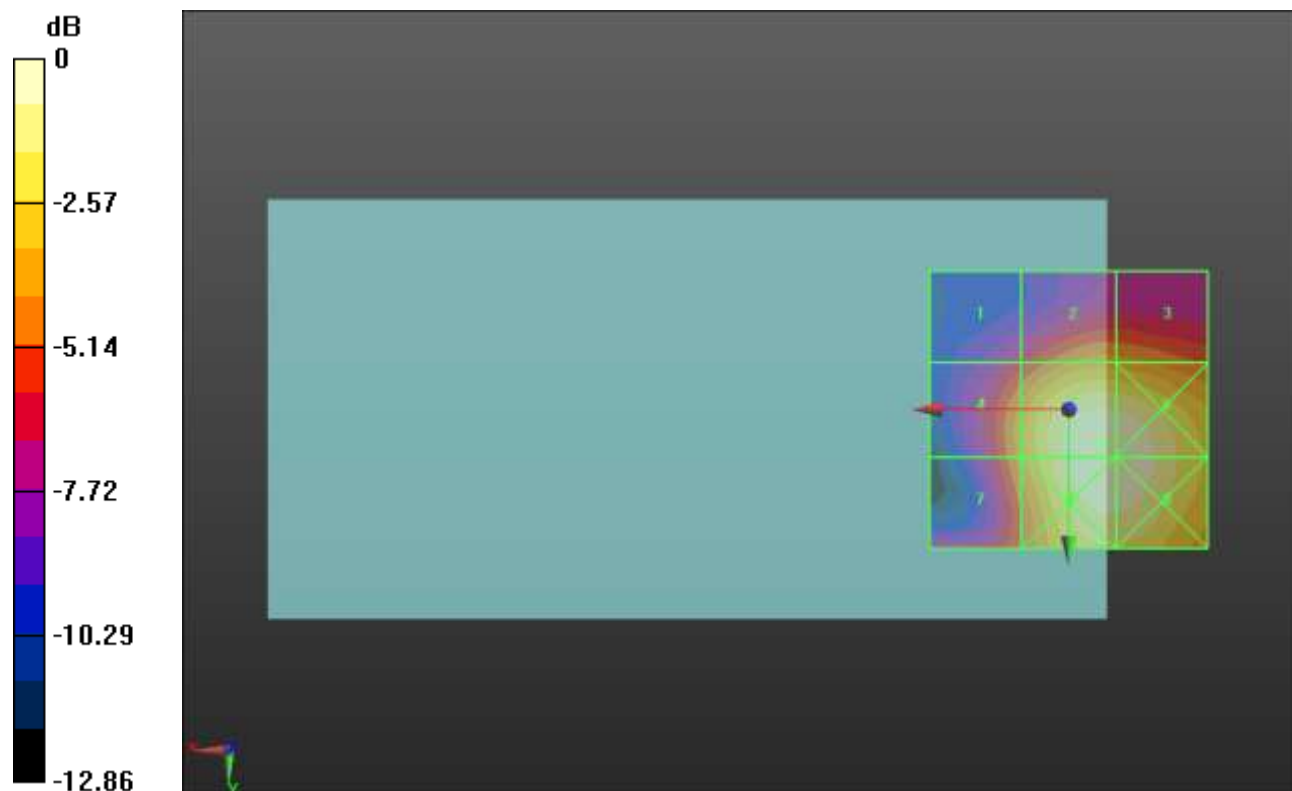
Applied MIF = -1.44 dB

RF audio interference level = 31.89 dBV/m

**Emission category: M3**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>25.53 dBV/m</b> | Grid 2 <b>M4</b><br><b>28.15 dBV/m</b> | Grid 3 <b>M4</b><br><b>28.06 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>28.33 dBV/m</b> | Grid 5 <b>M3</b><br><b>31.89 dBV/m</b> | Grid 6 <b>M3</b><br><b>31.79 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>28.12 dBV/m</b> | Grid 8 <b>M3</b><br><b>31.85 dBV/m</b> | Grid 9 <b>M3</b><br><b>31.78 dBV/m</b> |



0 dB = 39.29 V/m = 31.89 dBV/m

## HAC-RF Emission ANT 2

Communication System: UID 10173 - CAC, 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 - SN4041; ConvF(1, 1, 1); Calibrated: 3/16/2018;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

## LTE Band 41 E-Field measurement/LTE TDD\_16QAM\_RB 1/49\_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 = 54.14 V/m; Power Drift = -0.05 dB

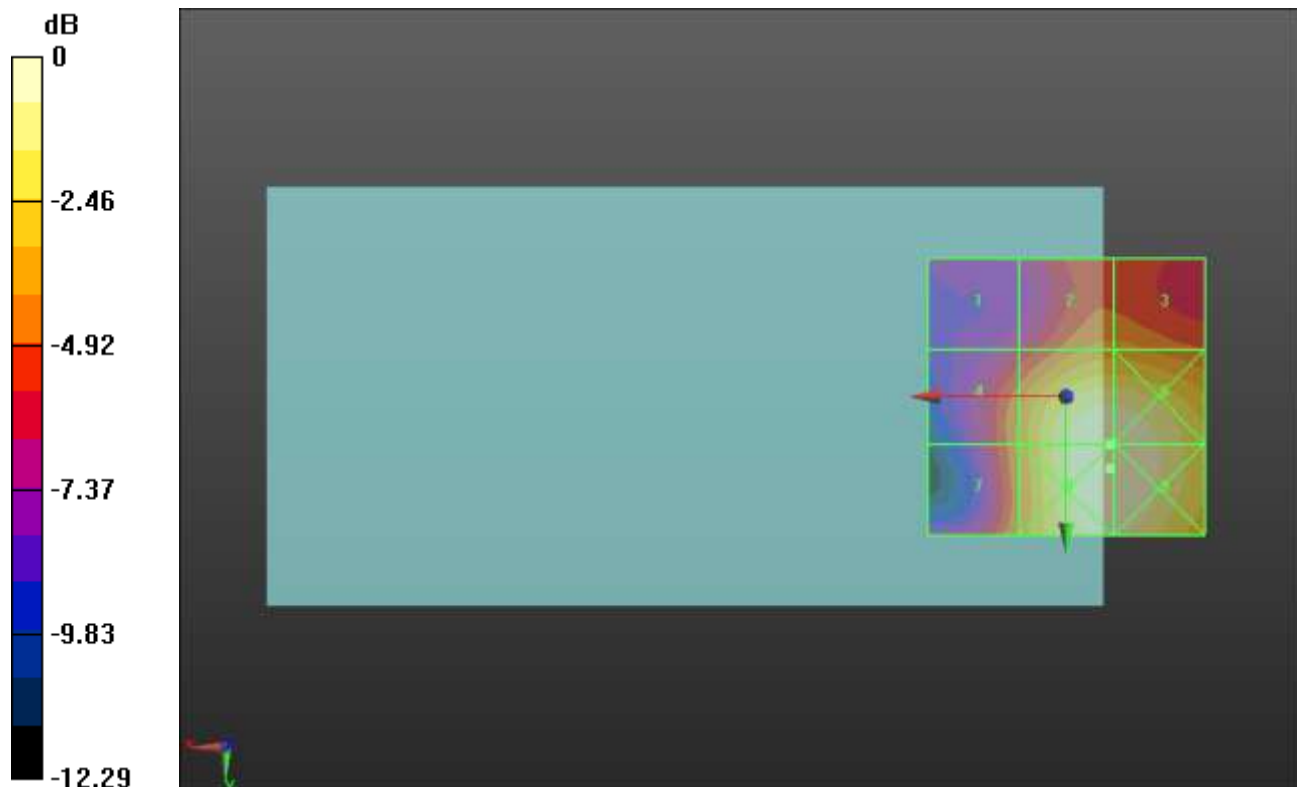
Applied MIF = -1.44 dB

RF audio interference level = 31.15 dBV/m

Emission category: **M3**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>24.71 dBV/m</b> | Grid 2 <b>M4</b><br><b>27.52 dBV/m</b> | Grid 3 <b>M4</b><br><b>27.52 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>27.38 dBV/m</b> | Grid 5 <b>M3</b><br><b>31.15 dBV/m</b> | Grid 6 <b>M3</b><br><b>31.14 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>27.4 dBV/m</b>  | Grid 8 <b>M3</b><br><b>31.24 dBV/m</b> | Grid 9 <b>M3</b><br><b>31.23 dBV/m</b> |



0 dB = 36.46 V/m = 31.24 dBV/m

## HAC-RF Emission ANT 2

Communication System: UID 10173 - CAC, 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 - SN4041; ConvF(1, 1, 1); Calibrated: 3/16/2018;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

## LTE Band 41 E-Field measurement/LTE TDD\_16QAM\_RB 1/49\_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 = 41.21 V/m; Power Drift = -0.00 dB

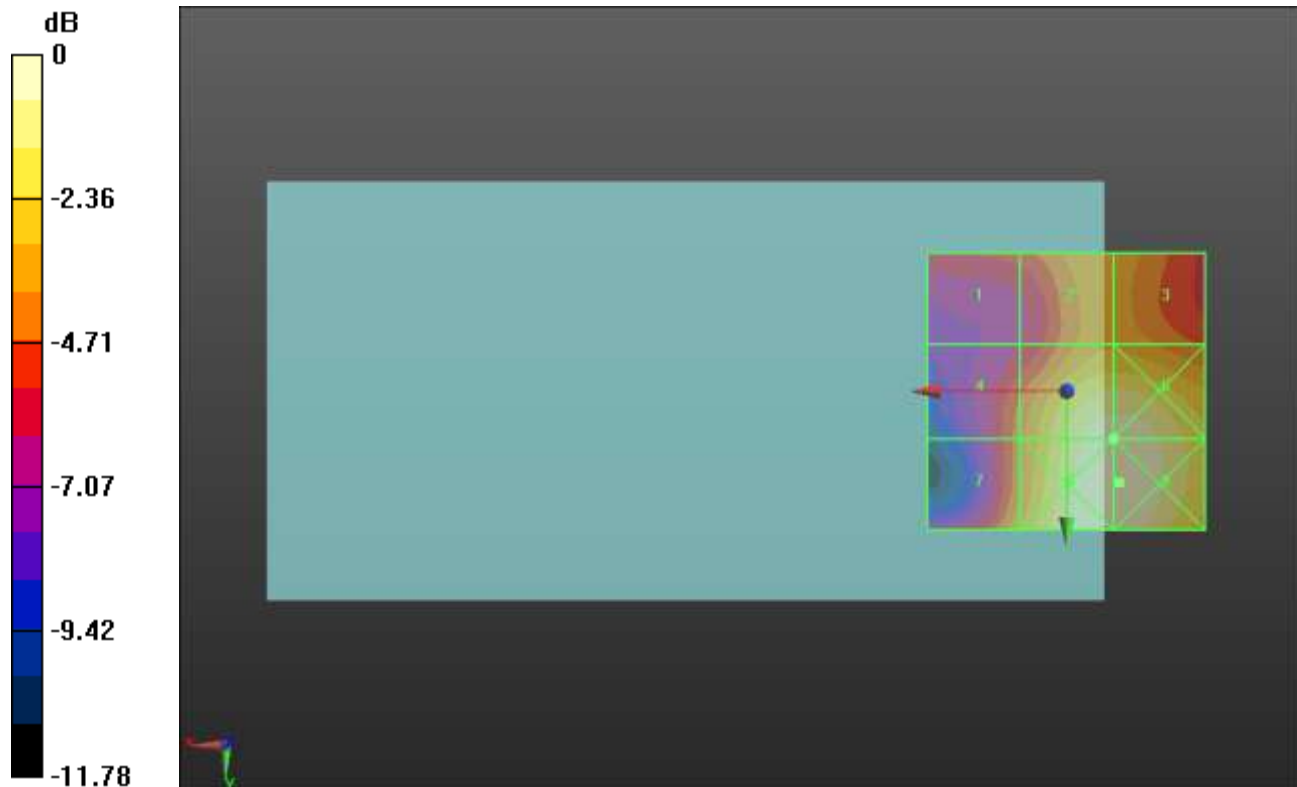
Applied MIF = -1.44 dB

RF audio interference level = 29.83 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                 |                                 |                                 |
|---------------------------------|---------------------------------|---------------------------------|
| Grid 1 <b>M4</b><br>25.24 dBV/m | Grid 2 <b>M4</b><br>26.96 dBV/m | Grid 3 <b>M4</b><br>26.9 dBV/m  |
| Grid 4 <b>M4</b><br>25.92 dBV/m | Grid 5 <b>M4</b><br>29.83 dBV/m | Grid 6 <b>M4</b><br>29.83 dBV/m |
| Grid 7 <b>M4</b><br>27.12 dBV/m | Grid 8 <b>M3</b><br>30.17 dBV/m | Grid 9 <b>M3</b><br>30.18 dBV/m |



0 dB = 32.29 V/m = 30.18 dBV/m

## HAC-RF Emission ANT 2

Communication System: UID 10173 - CAC, 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 - SN4041; ConvF(1, 1, 1); Calibrated: 3/16/2018;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

## LTE Band 41 E-Field measurement/LTE TDD\_16QAM\_RB 1/49\_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 = 33.91 V/m; Power Drift = -0.33 dB

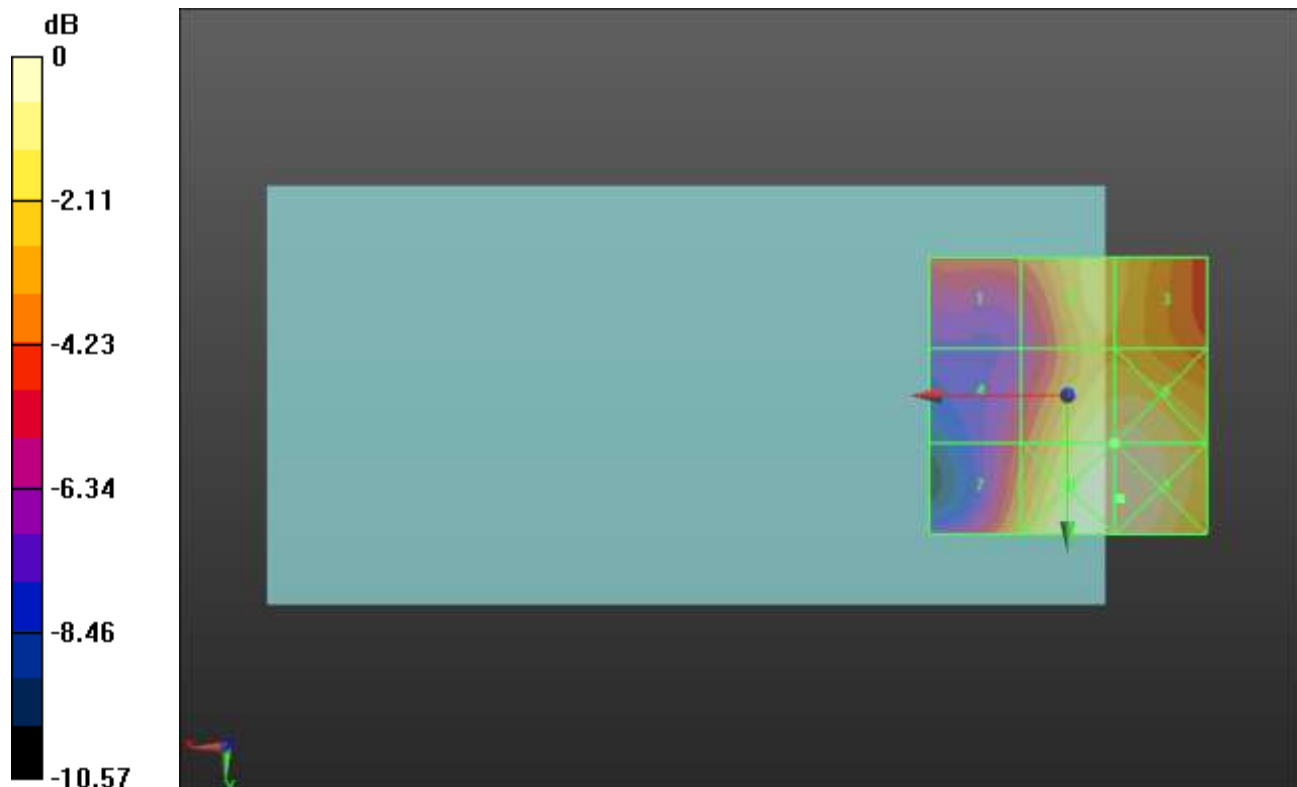
Applied MIF = -1.44 dB

RF audio interference level = 28.87 dBV/m

Emission category: **M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>25.31 dBV/m</b> | Grid 2 <b>M4</b><br><b>27.64 dBV/m</b> | Grid 3 <b>M4</b><br><b>27.52 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>24.78 dBV/m</b> | Grid 5 <b>M4</b><br><b>28.87 dBV/m</b> | Grid 6 <b>M4</b><br><b>28.94 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>26.85 dBV/m</b> | Grid 8 <b>M4</b><br><b>29.36 dBV/m</b> | Grid 9 <b>M4</b><br><b>29.37 dBV/m</b> |



0 dB = 29.40 V/m = 29.37 dBV/m

## HAC-RF Emission ANT 2

Communication System: UID 10173 - CAC, 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 - SN4041; ConvF(1, 1, 1); Calibrated: 3/16/2018;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

## LTE Band 41 E-Field measurement/LTE TDD\_16QAM\_RB 1/49\_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 = 32.93 V/m; Power Drift = 0.27 dB

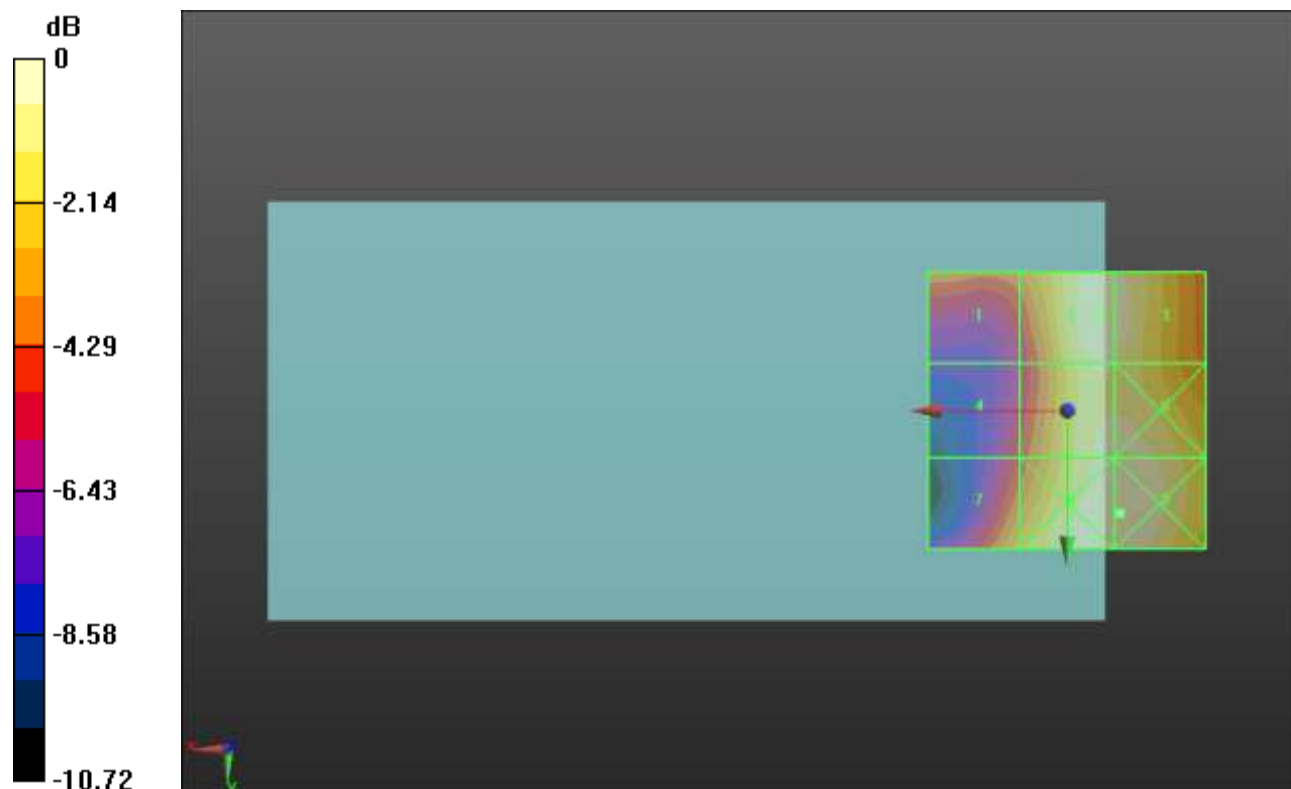
Applied MIF = -1.44 dB

RF audio interference level = 28.36 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>24.95 dBV/m</b> | Grid 2 <b>M4</b><br><b>28.36 dBV/m</b> | Grid 3 <b>M4</b><br><b>28.2 dBV/m</b>  |
| Grid 4 <b>M4</b><br><b>23.66 dBV/m</b> | Grid 5 <b>M4</b><br><b>28.1 dBV/m</b>  | Grid 6 <b>M4</b><br><b>28.12 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>26.07 dBV/m</b> | Grid 8 <b>M4</b><br><b>28.45 dBV/m</b> | Grid 9 <b>M4</b><br><b>28.45 dBV/m</b> |



0 dB = 26.46 V/m = 28.45 dBV/m



## HAC-RF Emission ANT 2

Communication System: UID 10061 - CAB, IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps); Frequency: 2417 MHz; Duty Cycle: 1:2.29087

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/16/2018;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

### 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 = 61.02 V/m; Power Drift = -2.93 dB

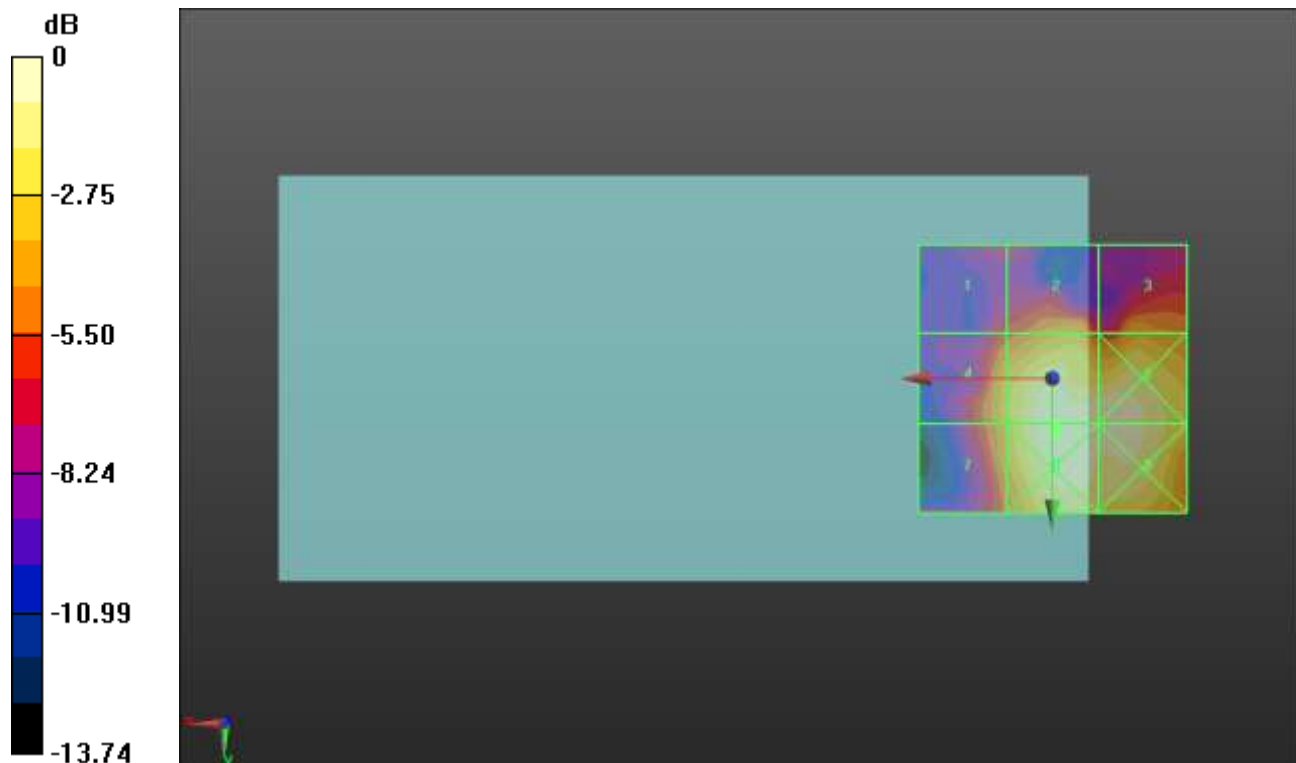
Applied MIF = -2.02 dB

RF audio interference level = 30.59 dBV/m

Emission category: **M3**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>24.6 dBV/m</b>  | Grid 2 <b>M4</b><br><b>27.17 dBV/m</b> | Grid 3 <b>M4</b><br><b>26.85 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>27.77 dBV/m</b> | Grid 5 <b>M3</b><br><b>30.59 dBV/m</b> | Grid 6 <b>M3</b><br><b>30.57 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>27.39 dBV/m</b> | Grid 8 <b>M3</b><br><b>30.66 dBV/m</b> | Grid 9 <b>M3</b><br><b>30.6 dBV/m</b>  |



0 dB = 34.13 V/m = 30.66 dBV/m

## HAC-RF Emission ANT 2

Communication System: UID 10061 - CAB, IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps); Frequency: 2437 MHz; Duty Cycle: 1:2.29087

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/16/2018;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

## 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 = 41.30 V/m; Power Drift = 1.60 dB

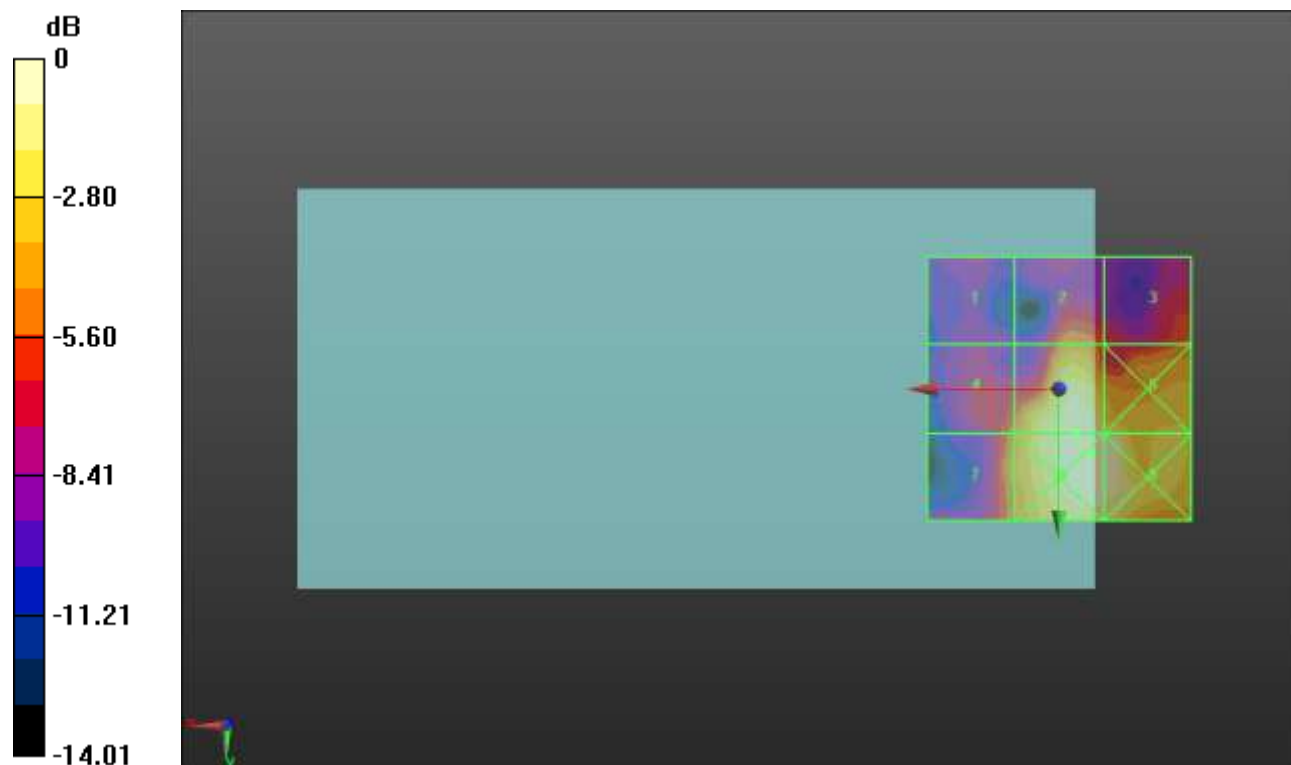
Applied MIF = -2.02 dB

RF audio interference level = 29.75 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>25.55 dBV/m</b> | Grid 3 <b>M4</b><br><b>24.54 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>25.1 dBV/m</b>  | Grid 5 <b>M4</b><br><b>29.75 dBV/m</b> | Grid 6 <b>M4</b><br><b>29.07 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>25.9 dBV/m</b>  | Grid 8 <b>M4</b><br><b>29.93 dBV/m</b> | Grid 9 <b>M4</b><br><b>29.82 dBV/m</b> |



0 dB = 31.36 V/m = 29.93 dBV/m

## HAC-RF Emission ANT 2

Communication System: UID 10061 - CAB, IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps); Frequency: 2462 MHz; Duty Cycle: 1:2.29087

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/16/2018;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

### 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 = 45.57 V/m; Power Drift = 0.09 dB

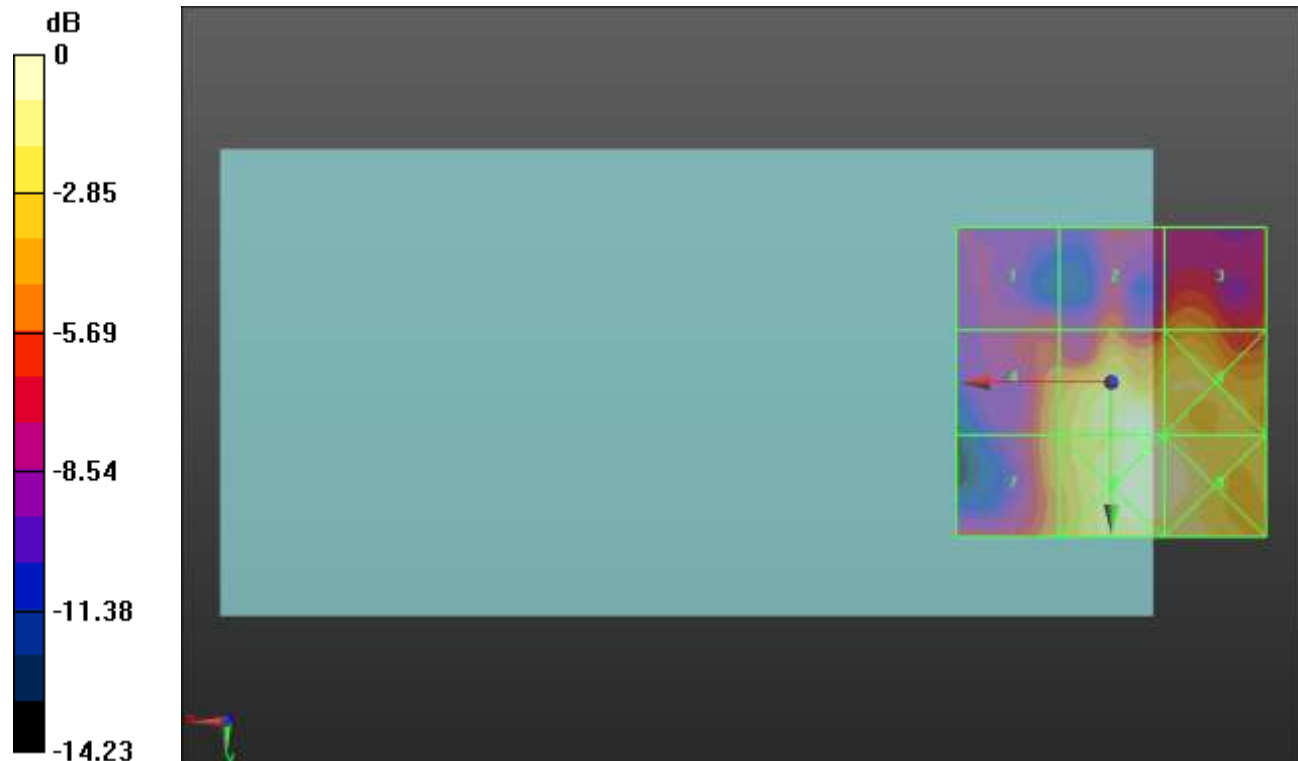
Applied MIF = -2.02 dB

RF audio interference level = 29.37 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>22.74 dBV/m</b> | Grid 2 <b>M4</b><br><b>23.99 dBV/m</b> | Grid 3 <b>M4</b><br><b>25.42 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>26 dBV/m</b>    | Grid 5 <b>M4</b><br><b>29.37 dBV/m</b> | Grid 6 <b>M4</b><br><b>28.58 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>26.02 dBV/m</b> | Grid 8 <b>M4</b><br><b>29.6 dBV/m</b>  | Grid 9 <b>M4</b><br><b>29.6 dBV/m</b>  |



0 dB = 30.21 V/m = 29.60 dBV/m

## HAC-RF Emission ANT 2

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

Duty Cycle: 1:12.5893

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/16/2018;

- Sensor-Surface: (Fix Surface)

- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018

- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB

- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

## 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 = 45.31 V/m; Power Drift = -0.04 dB

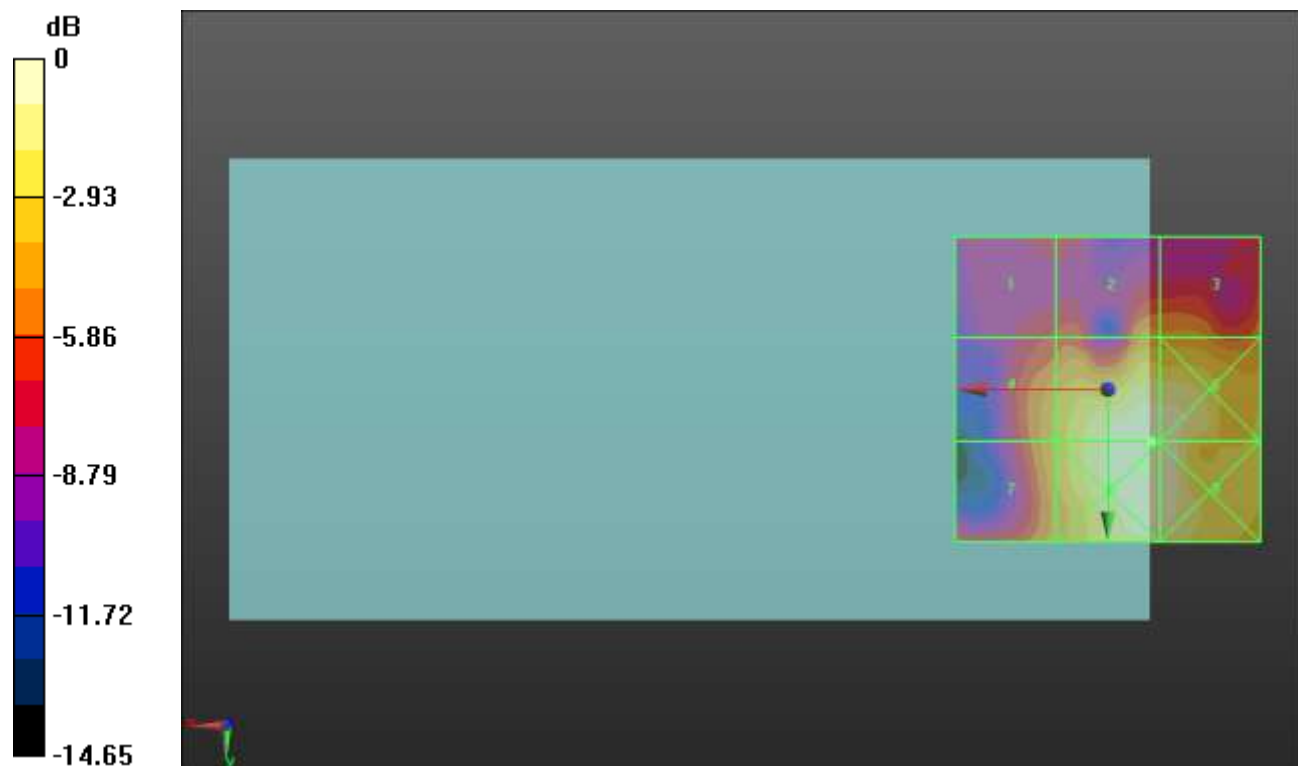
Applied MIF = 0.12 dB

RF audio interference level = 31.36 dBV/m

**Emission category: M3**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>24.99 dBV/m</b> | Grid 2 <b>M4</b><br><b>27.18 dBV/m</b> | Grid 3 <b>M4</b><br><b>27.17 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>27.93 dBV/m</b> | Grid 5 <b>M3</b><br><b>31.36 dBV/m</b> | Grid 6 <b>M3</b><br><b>31.31 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>27.91 dBV/m</b> | Grid 8 <b>M3</b><br><b>31.53 dBV/m</b> | Grid 9 <b>M3</b><br><b>31.41 dBV/m</b> |



0 dB = 37.72 V/m = 31.53 dBV/m

## HAC-RF Emission ANT 2

Communication System: UID 10077 - CAB, IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 54 Mbps); Frequency: 2437 MHz; Duty Cycle: 1:12.5893

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/16/2018;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

## 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 = 45.69 V/m; Power Drift = -0.08 dB

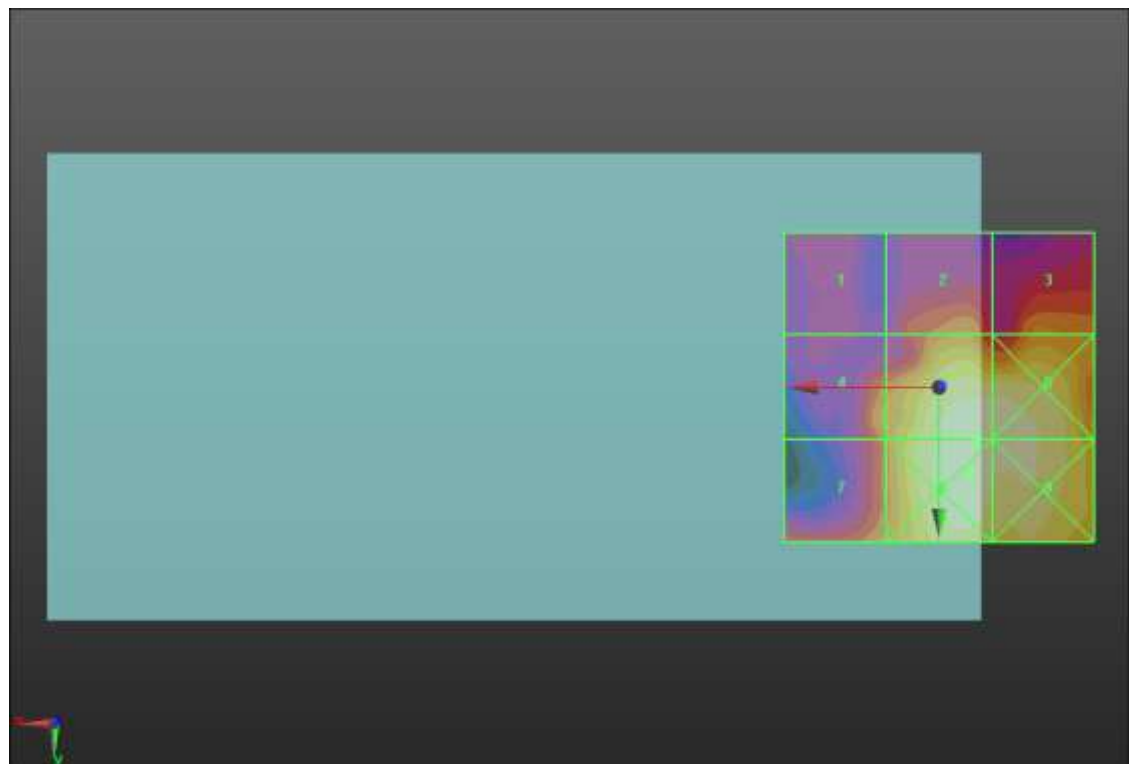
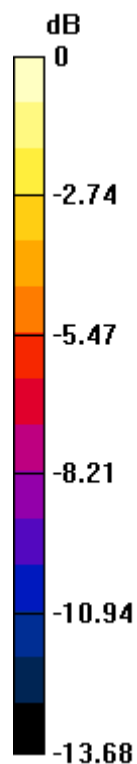
Applied MIF = 0.12 dB

RF audio interference level = 31.42 dBV/m

**Emission category: M3**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>24.37 dBV/m</b> | Grid 2 <b>M4</b><br><b>27.12 dBV/m</b> | Grid 3 <b>M4</b><br><b>27.26 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>27.5 dBV/m</b>  | Grid 5 <b>M3</b><br><b>31.42 dBV/m</b> | Grid 6 <b>M3</b><br><b>31.31 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>27.43 dBV/m</b> | Grid 8 <b>M3</b><br><b>31.49 dBV/m</b> | Grid 9 <b>M3</b><br><b>31.33 dBV/m</b> |



0 dB = 37.52 V/m = 31.49 dBV/m

## HAC-RF Emission ANT 2

Communication System: UID 10077 - CAB, IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 54 Mbps); Frequency: 2452 MHz; Duty Cycle: 1:12.5893

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/16/2018;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

## 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 = 46.36 V/m; Power Drift = -0.10 dB

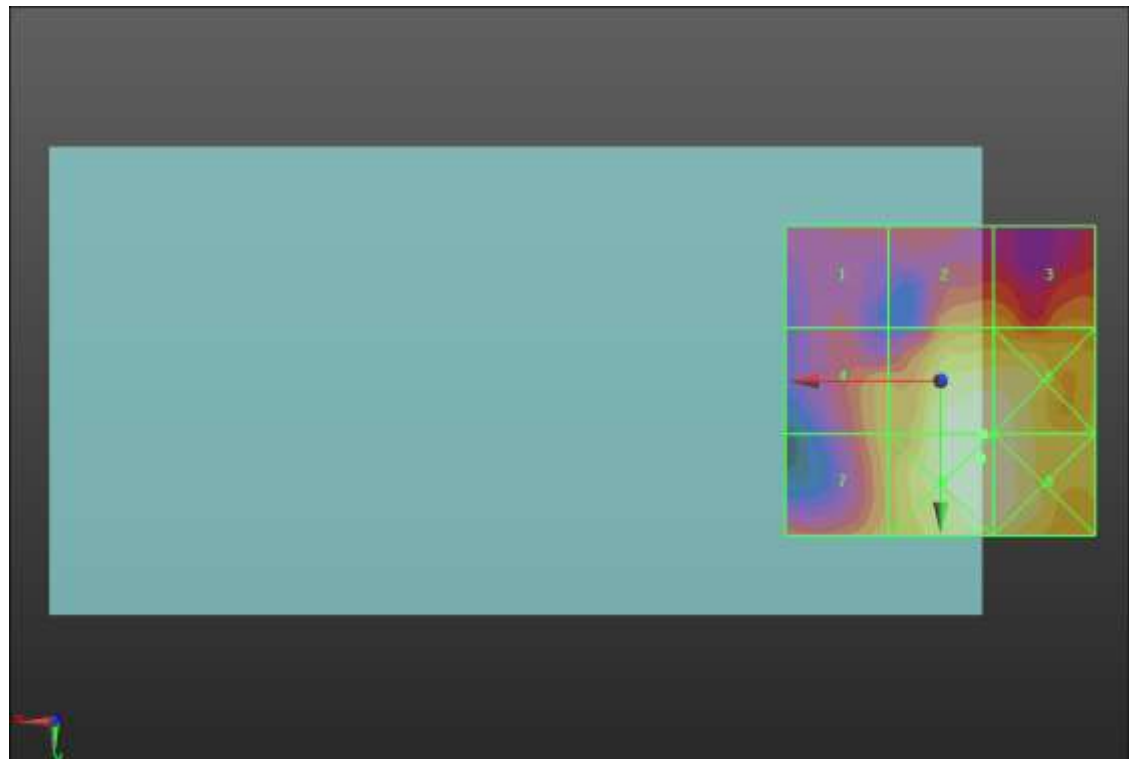
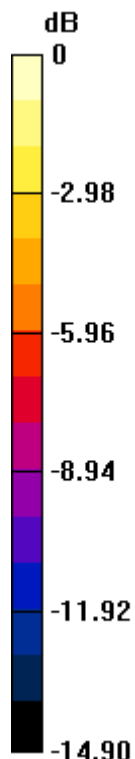
Applied MIF = 0.12 dB

RF audio interference level = 31.50 dBV/m

Emission category: **M3**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>24.14 dBV/m</b> | Grid 2 <b>M4</b><br><b>27.41 dBV/m</b> | Grid 3 <b>M4</b><br><b>27.4 dBV/m</b>  |
| Grid 4 <b>M4</b><br><b>27.34 dBV/m</b> | Grid 5 <b>M3</b><br><b>31.5 dBV/m</b>  | Grid 6 <b>M3</b><br><b>31.44 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>27.4 dBV/m</b>  | Grid 8 <b>M3</b><br><b>31.61 dBV/m</b> | Grid 9 <b>M3</b><br><b>31.52 dBV/m</b> |



0 dB = 38.07 V/m = 31.61 dBV/m

## HAC-RF Emission ANT 4

Communication System: UID 10069 - CAB, 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 - SN4041; ConvF(1, 1, 1); Calibrated: 3/16/2018;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

### 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 = 19.76 V/m; Power Drift = 1.88 dB

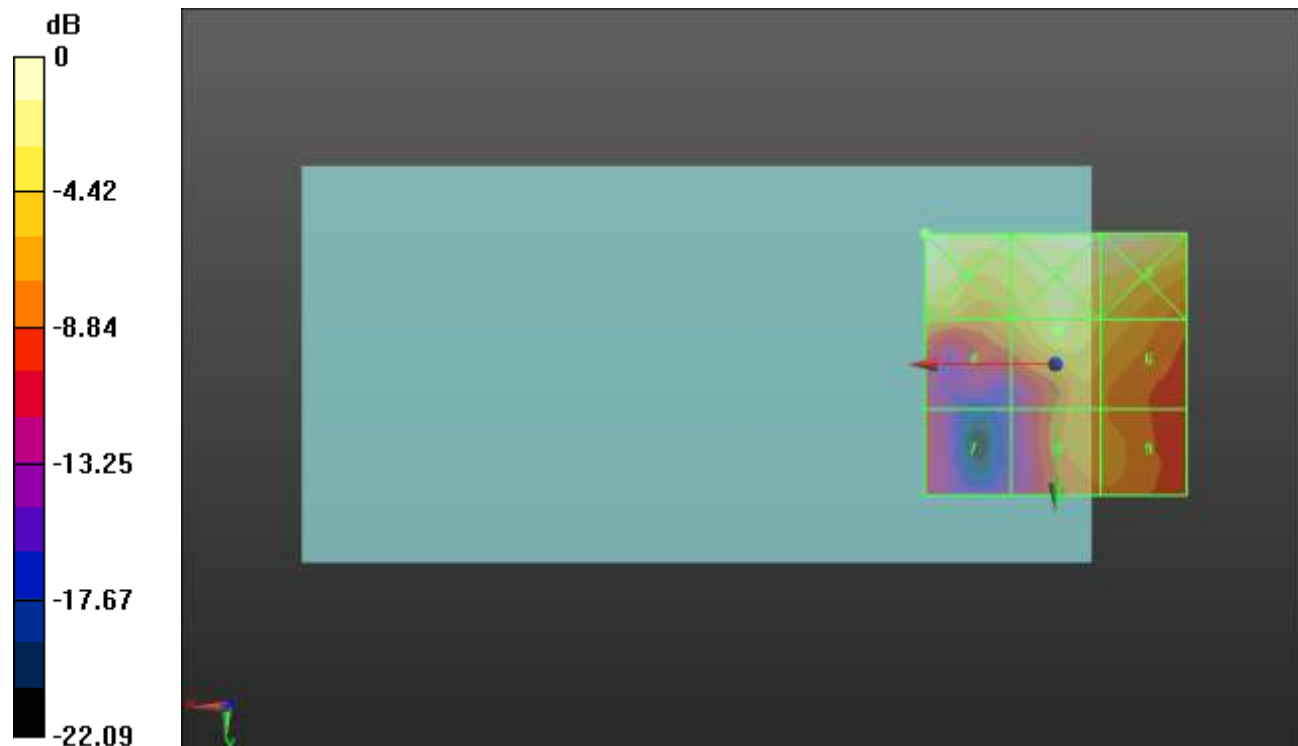
Applied MIF = -3.15 dB

RF audio interference level = 22.75 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>25.47 dBV/m</b> | Grid 2 <b>M4</b><br><b>24.97 dBV/m</b> | Grid 3 <b>M4</b><br><b>24.97 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>19.56 dBV/m</b> | Grid 5 <b>M4</b><br><b>22.75 dBV/m</b> | Grid 6 <b>M4</b><br><b>21.06 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>14.79 dBV/m</b> | Grid 8 <b>M4</b><br><b>19.37 dBV/m</b> | Grid 9 <b>M4</b><br><b>18.91 dBV/m</b> |



0 dB = 18.77 V/m = 25.47 dBV/m

## HAC-RF Emission ANT 4

Communication System: UID 10069 - CAB, 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 - SN4041; ConvF(1, 1, 1); Calibrated: 3/16/2018;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

### 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 = 20.63 V/m; Power Drift = -0.05 dB

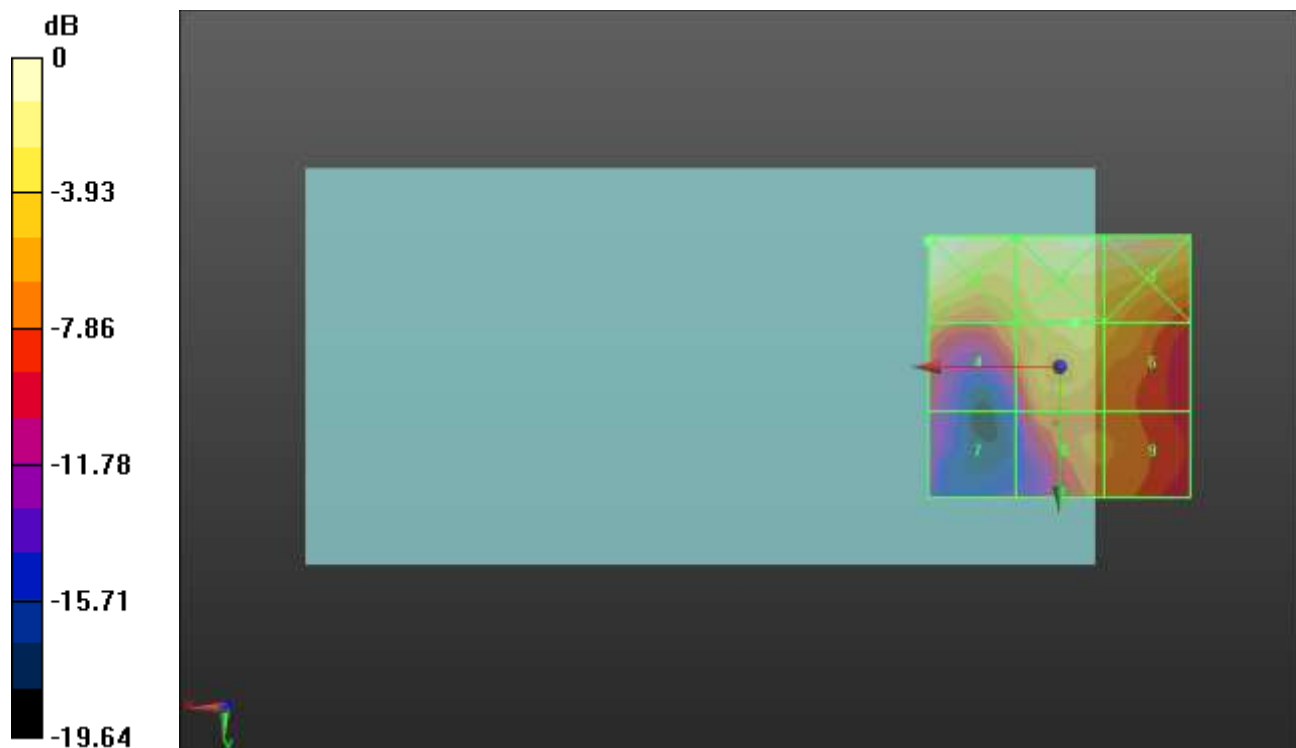
Applied MIF = -3.15 dB

RF audio interference level = 22.35 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>25.11 dBV/m</b> | Grid 3 <b>M4</b><br><b>25.08 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>19.98 dBV/m</b> | Grid 5 <b>M4</b><br><b>22.35 dBV/m</b> | Grid 6 <b>M4</b><br><b>21.17 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>14.21 dBV/m</b> | Grid 8 <b>M4</b><br><b>19.31 dBV/m</b> | Grid 9 <b>M4</b><br><b>19.19 dBV/m</b> |



0 dB = 18.97 V/m = 25.56 dBV/m



## HAC-RF Emission ANT 4

Communication System: UID 10069 - CAB, 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 - SN4041; ConvF(1, 1, 1); Calibrated: 3/16/2018;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

### 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 = 28.46 V/m; Power Drift = -0.15 dB

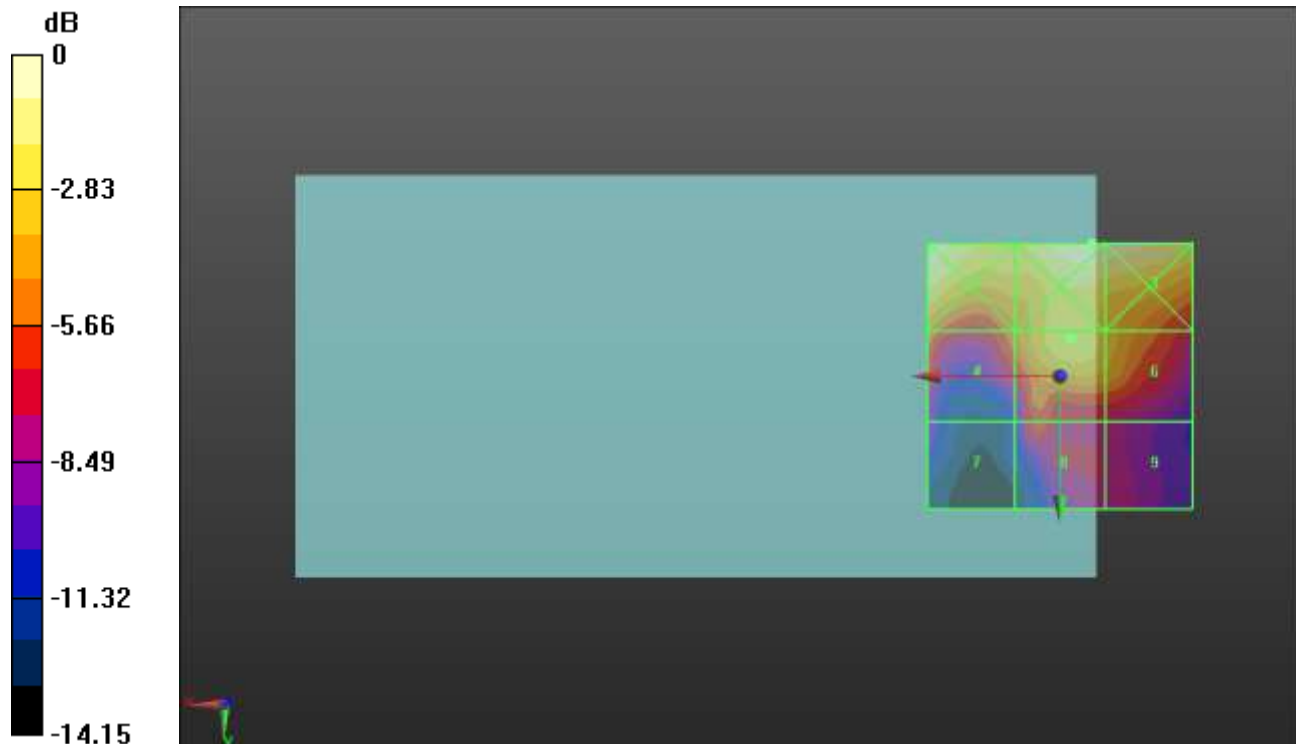
Applied MIF = -3.15 dB

RF audio interference level = 23.16 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>25.12 dBV/m</b> | Grid 2 <b>M4</b><br><b>25.19 dBV/m</b> | Grid 3 <b>M4</b><br><b>25.09 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>20.89 dBV/m</b> | Grid 5 <b>M4</b><br><b>23.16 dBV/m</b> | Grid 6 <b>M4</b><br><b>22.09 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>16.59 dBV/m</b> | Grid 8 <b>M4</b><br><b>19.23 dBV/m</b> | Grid 9 <b>M4</b><br><b>17.61 dBV/m</b> |



0 dB = 18.18 V/m = 25.19 dBV/m

## HAC-RF Emission ANT 4

Communication System: UID 10069 - CAB, 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 - SN4041; ConvF(1, 1, 1); Calibrated: 3/16/2018;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

### 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 = 29.30 V/m; Power Drift = -0.07 dB

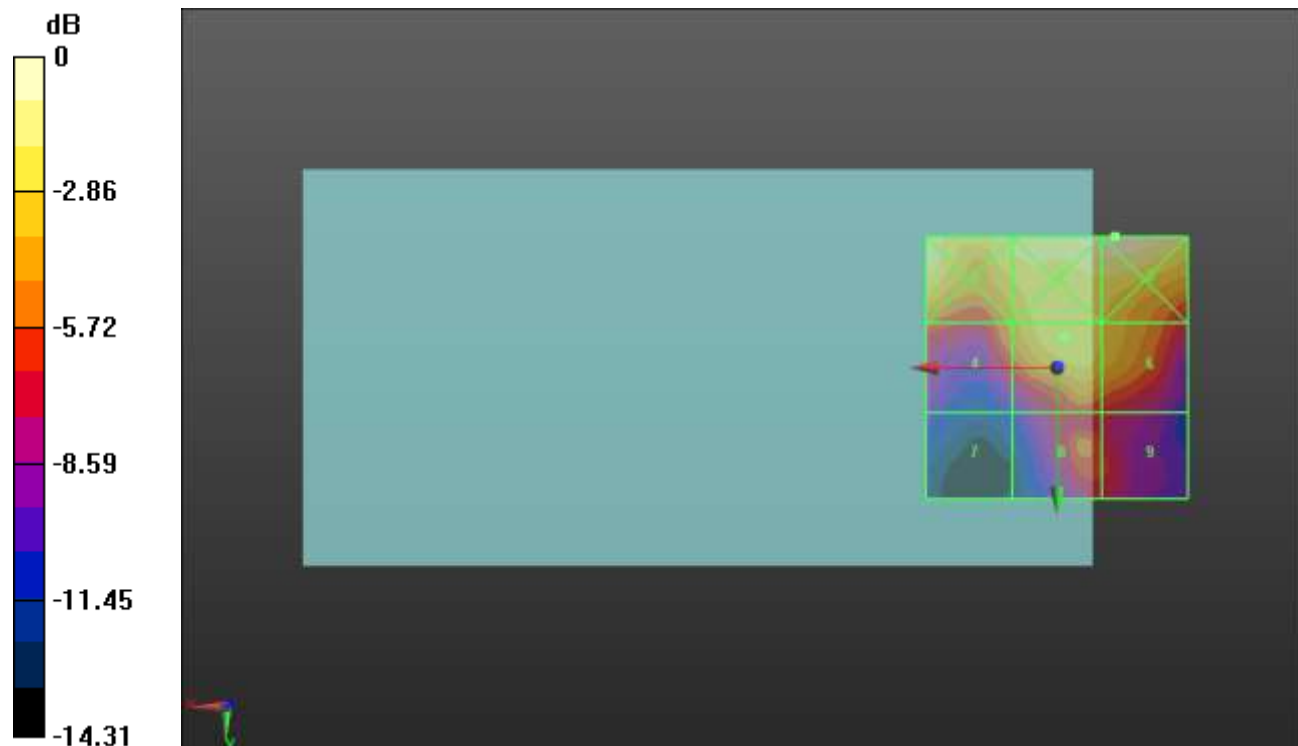
Applied MIF = -3.15 dB

RF audio interference level = 23.29 dBV/m

Emission category: **M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>25.02 dBV/m</b> | Grid 2 <b>M4</b><br><b>25.2 dBV/m</b>  | Grid 3 <b>M4</b><br><b>25.31 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>21.09 dBV/m</b> | Grid 5 <b>M4</b><br><b>23.29 dBV/m</b> | Grid 6 <b>M4</b><br><b>22.49 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>15.81 dBV/m</b> | Grid 8 <b>M4</b><br><b>20.04 dBV/m</b> | Grid 9 <b>M4</b><br><b>18.94 dBV/m</b> |



0 dB = 18.43 V/m = 25.31 dBV/m

## HAC-RF Emission ANT 4

Communication System: UID 10069 - CAB, 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 - SN4041; ConvF(1, 1, 1); Calibrated: 3/16/2018;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

### 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 = 30.92 V/m; Power Drift = -0.28 dB

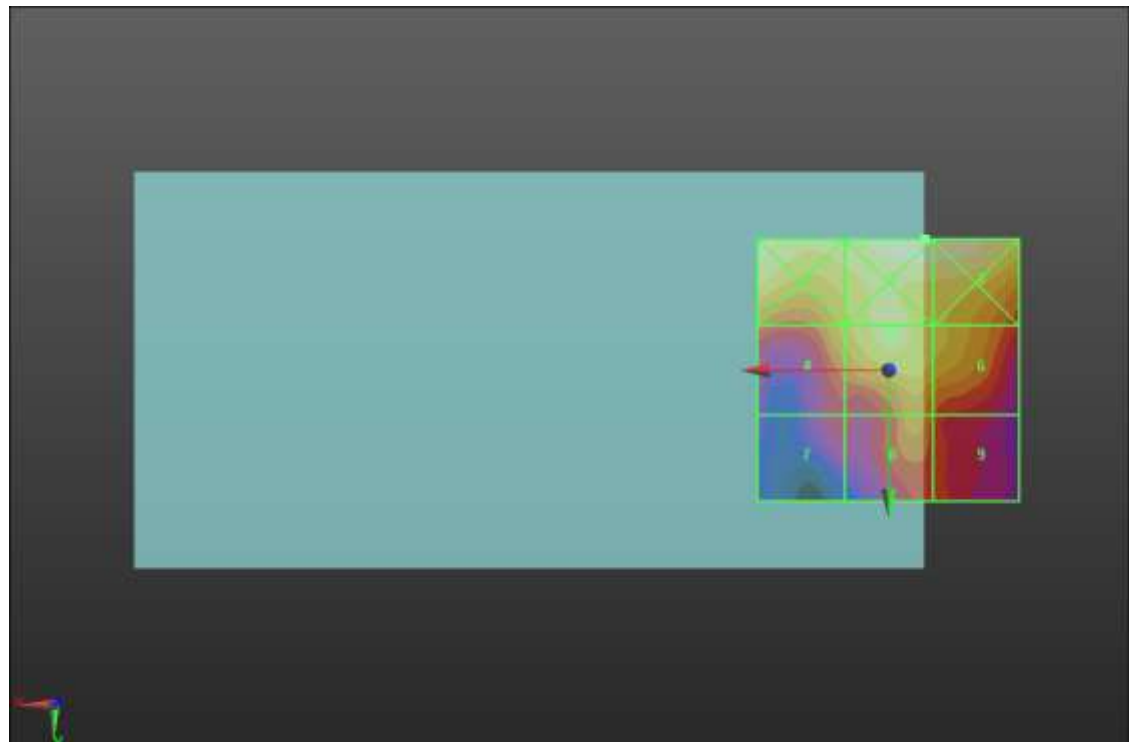
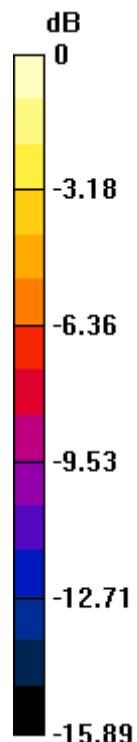
Applied MIF = -3.15 dB

RF audio interference level = 23.64 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>24.93 dBV/m</b> | Grid 2 <b>M4</b><br><b>25.31 dBV/m</b> | Grid 3 <b>M4</b><br><b>25.28 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>21.67 dBV/m</b> | Grid 5 <b>M4</b><br><b>23.64 dBV/m</b> | Grid 6 <b>M4</b><br><b>22.65 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>17.61 dBV/m</b> | Grid 8 <b>M4</b><br><b>20.86 dBV/m</b> | Grid 9 <b>M4</b><br><b>18.95 dBV/m</b> |



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

## HAC-RF Emission ANT 4

Communication System: UID 10069 - CAB, 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 - SN4041; ConvF(1, 1, 1); Calibrated: 3/16/2018;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

### 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 = 31.54 V/m; Power Drift = -0.03 dB

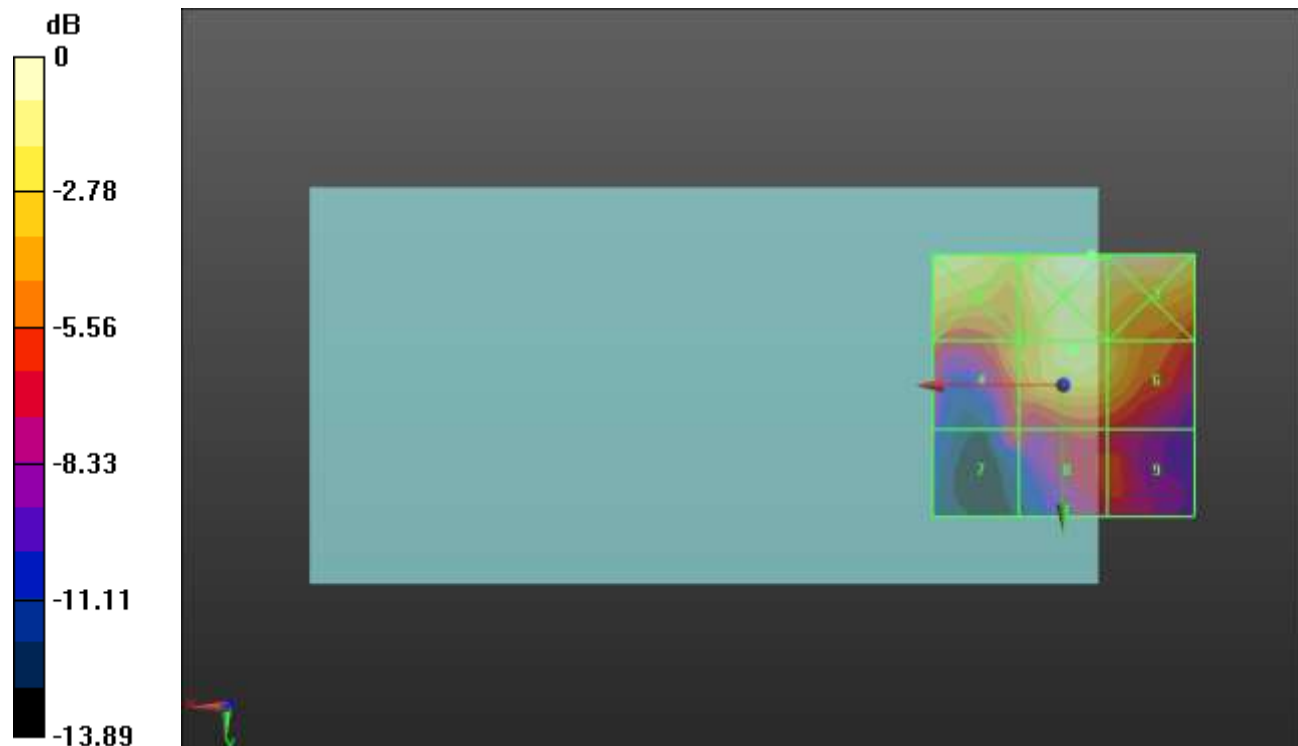
Applied MIF = -3.15 dB

RF audio interference level = 24.07 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>23.87 dBV/m</b> | Grid 2 <b>M4</b><br><b>25.28 dBV/m</b> | Grid 3 <b>M4</b><br><b>25.04 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>21.53 dBV/m</b> | Grid 5 <b>M4</b><br><b>24.07 dBV/m</b> | Grid 6 <b>M4</b><br><b>23.06 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>19.03 dBV/m</b> | Grid 8 <b>M4</b><br><b>19.26 dBV/m</b> | Grid 9 <b>M4</b><br><b>19.28 dBV/m</b> |



0 dB = 18.37 V/m = 25.28 dBV/m

## HAC-RF Emission ANT 4

Communication System: UID 10069 - CAB, 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 - SN4041; ConvF(1, 1, 1); Calibrated: 3/16/2018;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

### 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 = 35.11 V/m; Power Drift = -0.05 dB

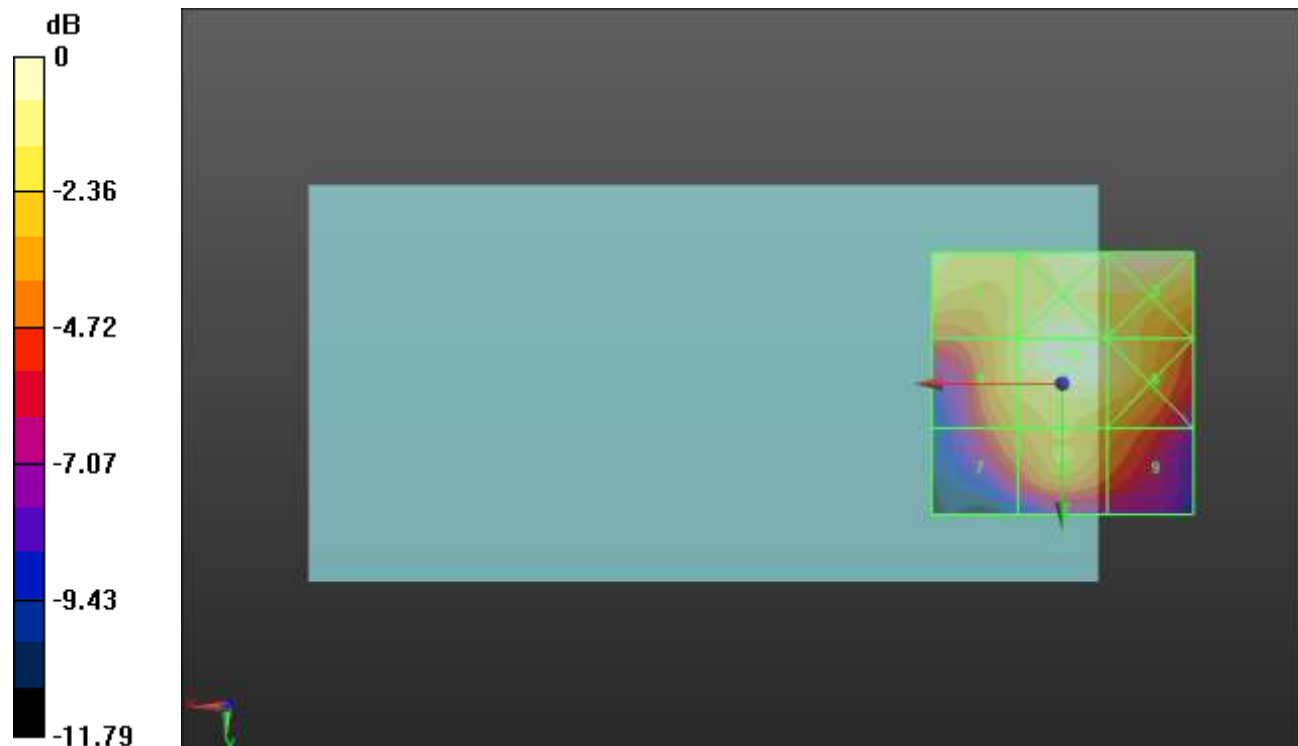
Applied MIF = -3.15 dB

RF audio interference level = 23.98 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>22.63 dBV/m</b> | Grid 2 <b>M4</b><br><b>23.81 dBV/m</b> | Grid 3 <b>M4</b><br><b>23.9 dBV/m</b>  |
| Grid 4 <b>M4</b><br><b>22.33 dBV/m</b> | Grid 5 <b>M4</b><br><b>23.98 dBV/m</b> | Grid 6 <b>M4</b><br><b>23.19 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>20.91 dBV/m</b> | Grid 8 <b>M4</b><br><b>21.89 dBV/m</b> | Grid 9 <b>M4</b><br><b>20.67 dBV/m</b> |



0 dB = 15.81 V/m = 23.98 dBV/m

## HAC-RF Emission ANT 4

Communication System: UID 10069 - CAB, 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 - SN4041; ConvF(1, 1, 1); Calibrated: 3/16/2018;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

### 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 = 37.12 V/m; Power Drift = -0.04 dB

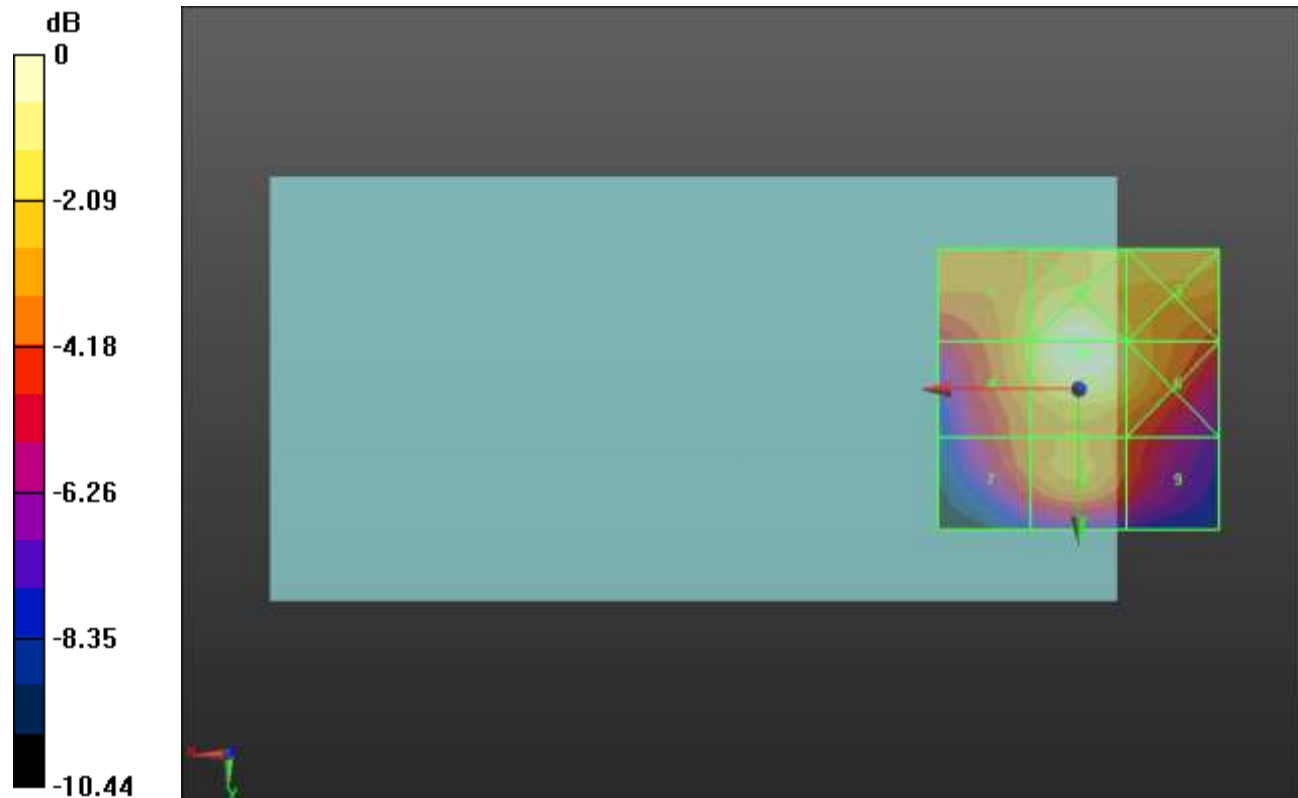
Applied MIF = -3.15 dB

RF audio interference level = 25.16 dBV/m

Emission category: **M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>23.33 dBV/m</b> | Grid 2 <b>M4</b><br><b>25.03 dBV/m</b> | Grid 3 <b>M4</b><br><b>23.84 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>23.35 dBV/m</b> | Grid 5 <b>M4</b><br><b>25.16 dBV/m</b> | Grid 6 <b>M4</b><br><b>23.71 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>21.82 dBV/m</b> | Grid 8 <b>M4</b><br><b>22.76 dBV/m</b> | Grid 9 <b>M4</b><br><b>21.2 dBV/m</b>  |



0 dB = 18.12 V/m = 25.16 dBV/m

## HAC-RF Emission ANT 4

Communication System: UID 10069 - CAB, 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 - SN4041; ConvF(1, 1, 1); Calibrated: 3/16/2018;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

### 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 = 43.19 V/m; Power Drift = 0.02 dB

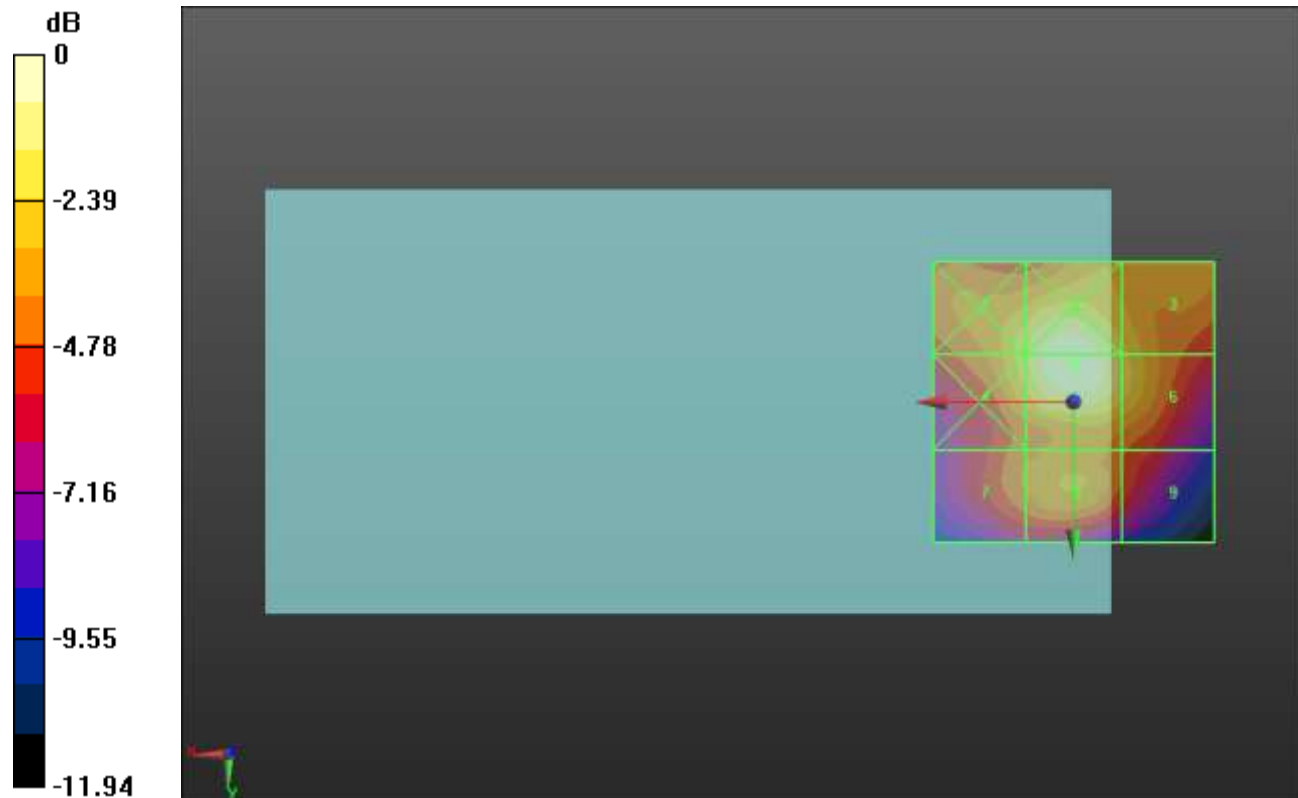
Applied MIF = -3.15 dB

RF audio interference level = 26.67 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>24.94 dBV/m</b> | Grid 2 <b>M4</b><br><b>26.57 dBV/m</b> | Grid 3 <b>M4</b><br><b>24.63 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>24.94 dBV/m</b> | Grid 5 <b>M4</b><br><b>26.67 dBV/m</b> | Grid 6 <b>M4</b><br><b>24.89 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>22.84 dBV/m</b> | Grid 8 <b>M4</b><br><b>23.68 dBV/m</b> | Grid 9 <b>M4</b><br><b>22.14 dBV/m</b> |



0 dB = 21.56 V/m = 26.67 dBV/m

## HAC-RF Emission ANT 4

Communication System: UID 10069 - CAB, 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 - SN4041; ConvF(1, 1, 1); Calibrated: 3/16/2018;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

### 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 = 43.83 V/m; Power Drift = -0.09 dB

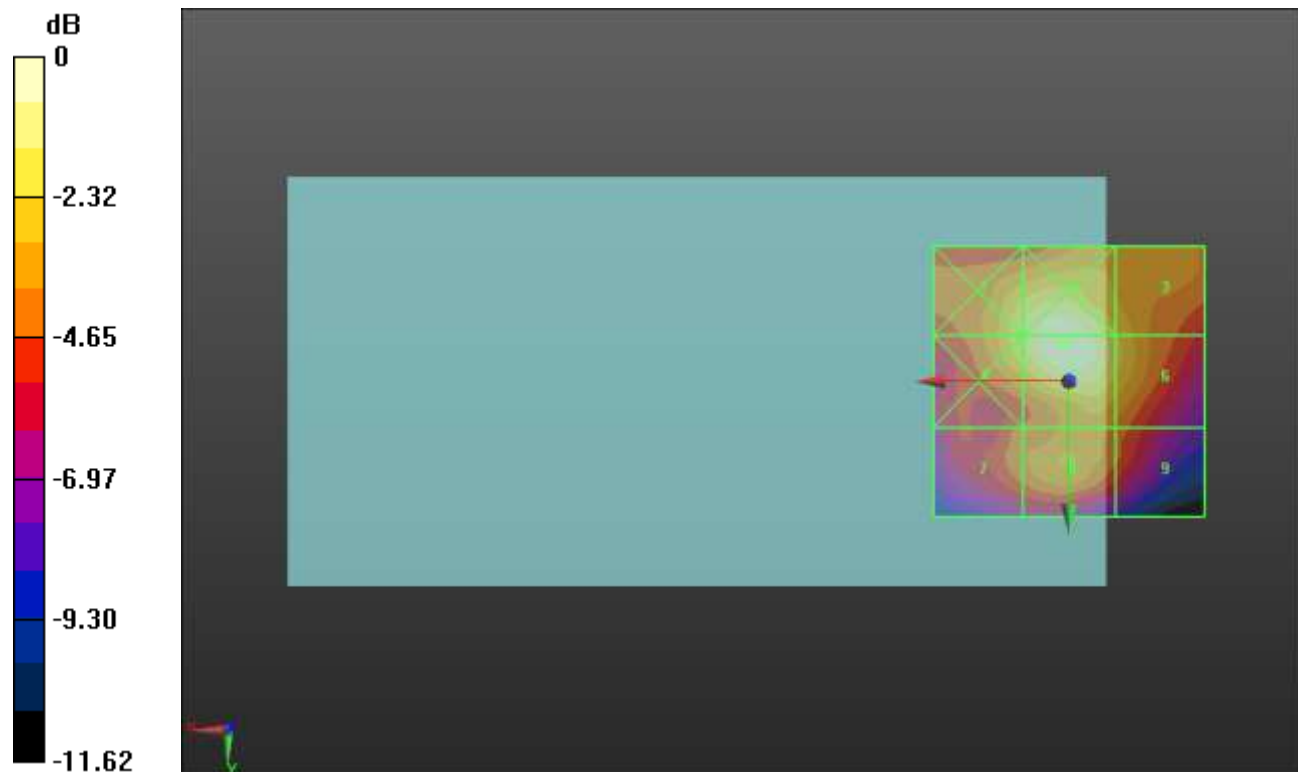
Applied MIF = -3.15 dB

RF audio interference level = 26.67 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>25.14 dBV/m</b> | Grid 2 <b>M4</b><br><b>26.58 dBV/m</b> | Grid 3 <b>M4</b><br><b>24.5 dBV/m</b>  |
| Grid 4 <b>M4</b><br><b>25.14 dBV/m</b> | Grid 5 <b>M4</b><br><b>26.67 dBV/m</b> | Grid 6 <b>M4</b><br><b>24.75 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>22.74 dBV/m</b> | Grid 8 <b>M4</b><br><b>23.69 dBV/m</b> | Grid 9 <b>M4</b><br><b>22.64 dBV/m</b> |



0 dB = 21.56 V/m = 26.67 dBV/m



## HAC-RF Emission ANT 4

Communication System: UID 10069 - CAB, 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 - SN4041; ConvF(1, 1, 1); Calibrated: 3/16/2018;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

### 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 = 44.34 V/m; Power Drift = 0.05 dB

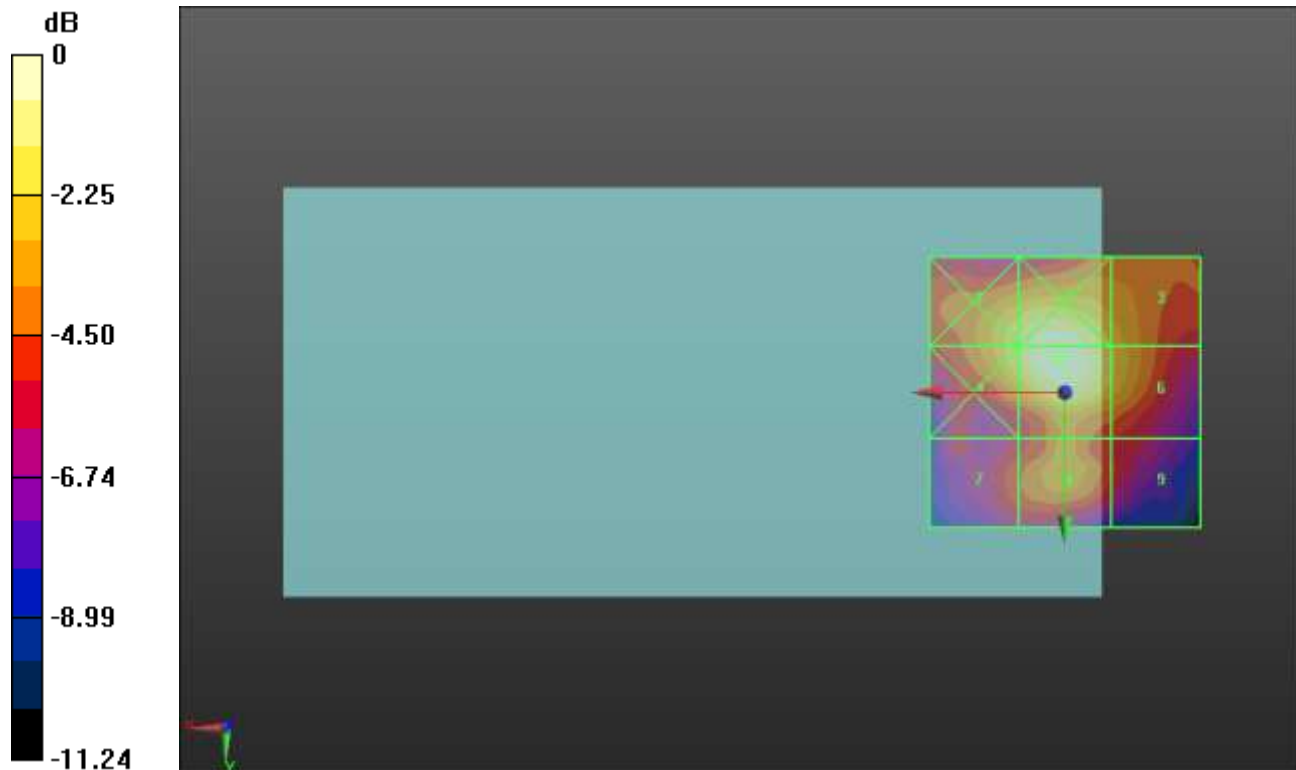
Applied MIF = -3.15 dB

RF audio interference level = 26.99 dBV/m

Emission category: **M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>25.57 dBV/m</b> | Grid 2 <b>M4</b><br><b>26.84 dBV/m</b> | Grid 3 <b>M4</b><br><b>24.77 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>25.59 dBV/m</b> | Grid 5 <b>M4</b><br><b>26.99 dBV/m</b> | Grid 6 <b>M4</b><br><b>25 dBV/m</b>    |
| Grid 7 <b>M4</b><br><b>22.4 dBV/m</b>  | Grid 8 <b>M4</b><br><b>23.77 dBV/m</b> | Grid 9 <b>M4</b><br><b>21.98 dBV/m</b> |



0 dB = 22.35 V/m = 26.99 dBV/m

## HAC-RF Emission ANT 4

Communication System: UID 10069 - CAB, 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 - SN4041; ConvF(1, 1, 1); Calibrated: 3/16/2018;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

### 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 = 47.63 V/m; Power Drift = 0.24 dB

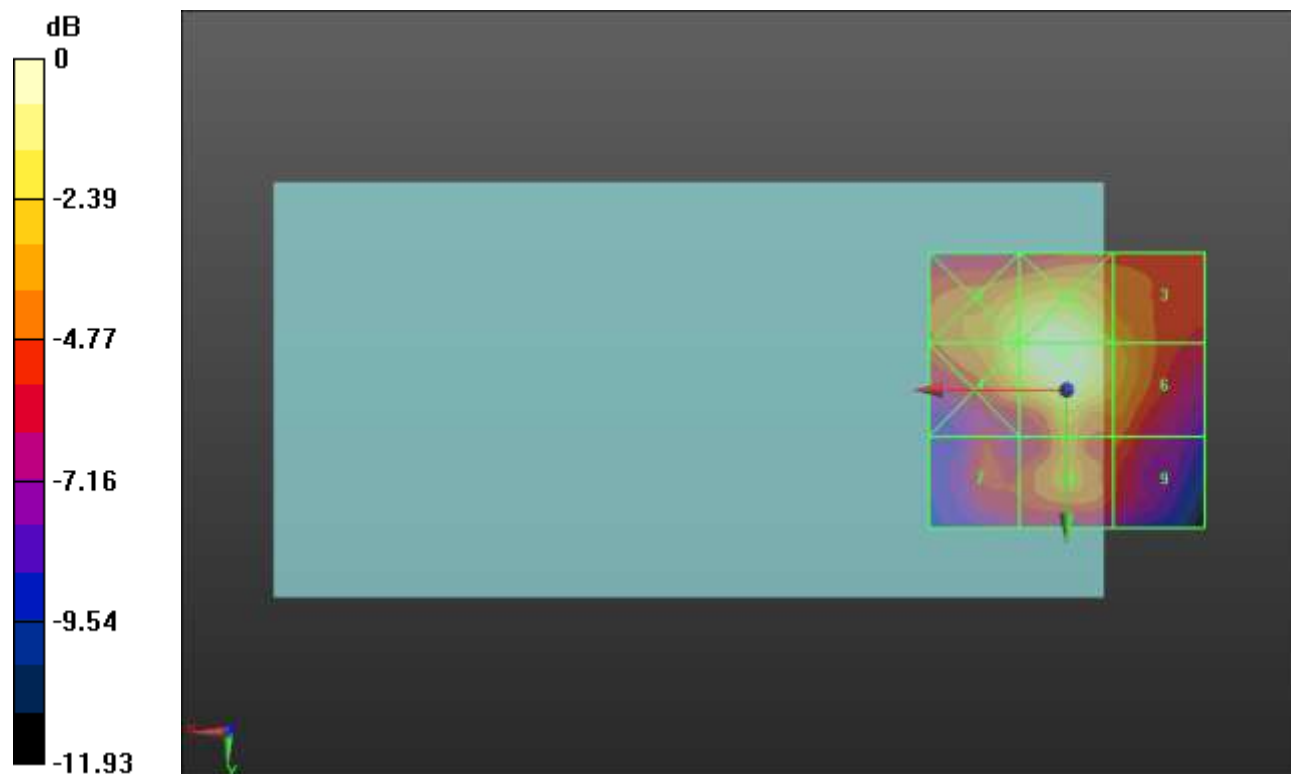
Applied MIF = -3.15 dB

RF audio interference level = 27.63 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>26.27 dBV/m</b> | Grid 2 <b>M4</b><br><b>27.47 dBV/m</b> | Grid 3 <b>M4</b><br><b>24.86 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>26.3 dBV/m</b>  | Grid 5 <b>M4</b><br><b>27.63 dBV/m</b> | Grid 6 <b>M4</b><br><b>25.25 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>22.6 dBV/m</b>  | Grid 8 <b>M4</b><br><b>24.3 dBV/m</b>  | Grid 9 <b>M4</b><br><b>22.99 dBV/m</b> |



0 dB = 24.06 V/m = 27.63 dBV/m

## HAC-RF Emission ANT 5

Communication System: UID 10061 - CAB, IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps); Frequency: 2417 MHz; Duty Cycle: 1:2.29087

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/16/2018;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

## 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 = 45.45 V/m; Power Drift = -3.46 dB

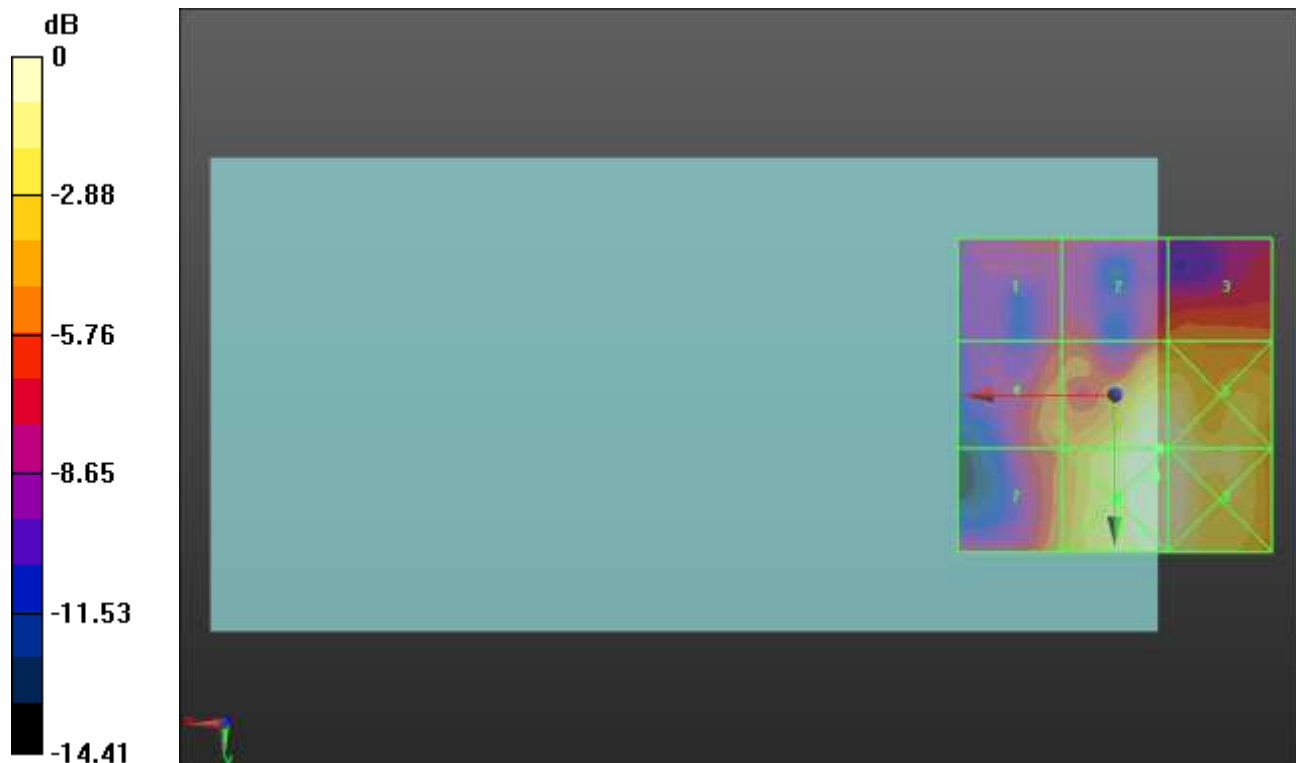
Applied MIF = -2.02 dB

RF audio interference level = 29.64 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>22.94 dBV/m</b> | Grid 2 <b>M4</b><br><b>24.55 dBV/m</b> | Grid 3 <b>M4</b><br><b>25.13 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>25.3 dBV/m</b>  | Grid 5 <b>M4</b><br><b>29.64 dBV/m</b> | Grid 6 <b>M4</b><br><b>29.52 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>25.54 dBV/m</b> | Grid 8 <b>M4</b><br><b>29.82 dBV/m</b> | Grid 9 <b>M4</b><br><b>29.69 dBV/m</b> |



0 dB = 30.96 V/m = 29.82 dBV/m

## HAC-RF Emission ANT 5

Communication System: UID 10061 - CAB, IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps); Frequency: 2437 MHz; Duty Cycle: 1:2.29087

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/16/2018;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

## 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 = 29.35 V/m; Power Drift = 3.71 dB

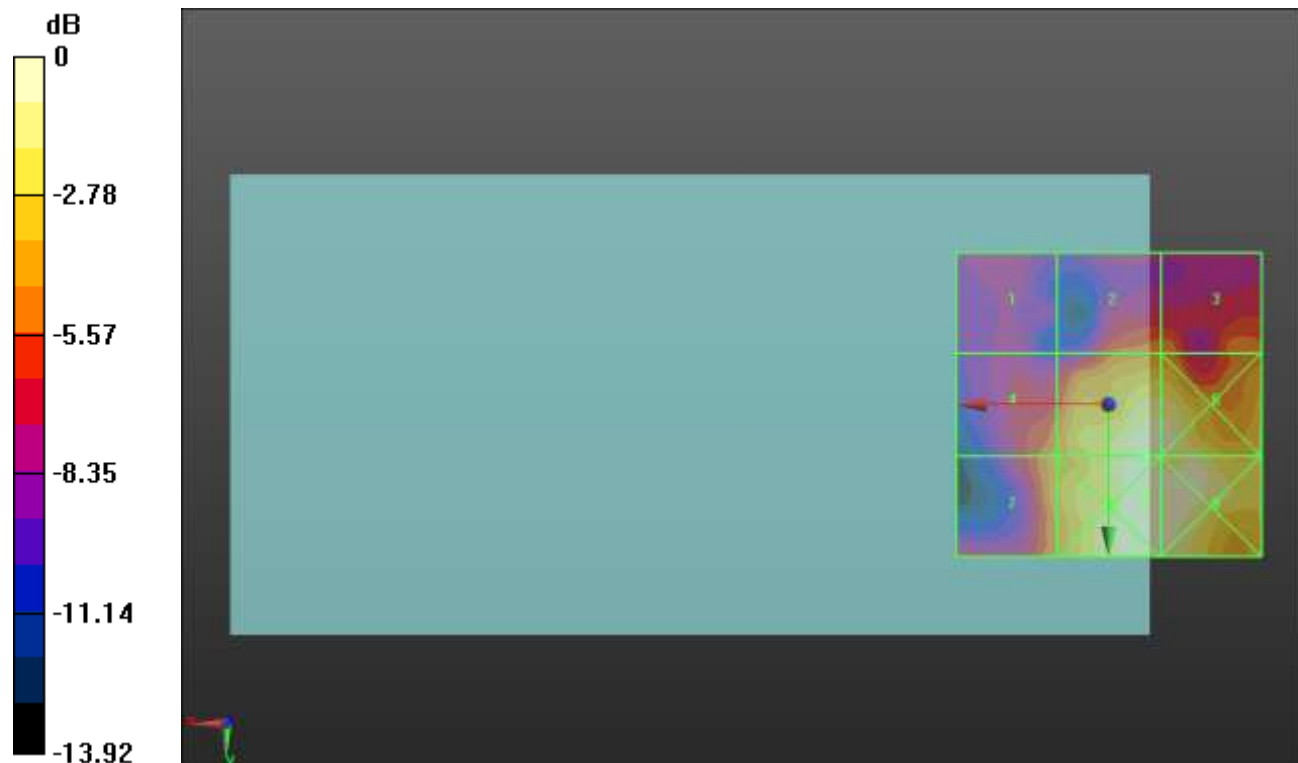
Applied MIF = -2.02 dB

RF audio interference level = 29.40 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                 |                                 |                                 |
|---------------------------------|---------------------------------|---------------------------------|
| Grid 1 <b>M4</b><br>22.4 dBV/m  | Grid 2 <b>M4</b><br>24.94 dBV/m | Grid 3 <b>M4</b><br>24.92 dBV/m |
| Grid 4 <b>M4</b><br>25.45 dBV/m | Grid 5 <b>M4</b><br>29.4 dBV/m  | Grid 6 <b>M4</b><br>29.22 dBV/m |
| Grid 7 <b>M4</b><br>25.71 dBV/m | Grid 8 <b>M4</b><br>29.63 dBV/m | Grid 9 <b>M4</b><br>29.44 dBV/m |



0 dB = 30.32 V/m = 29.63 dBV/m

## HAC-RF Emission ANT 5

Communication System: UID 10061 - CAB, IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps); Frequency: 2462 MHz; Duty Cycle: 1:2.29087

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/16/2018;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

### 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 = 36.85 V/m; Power Drift = 1.71 dB

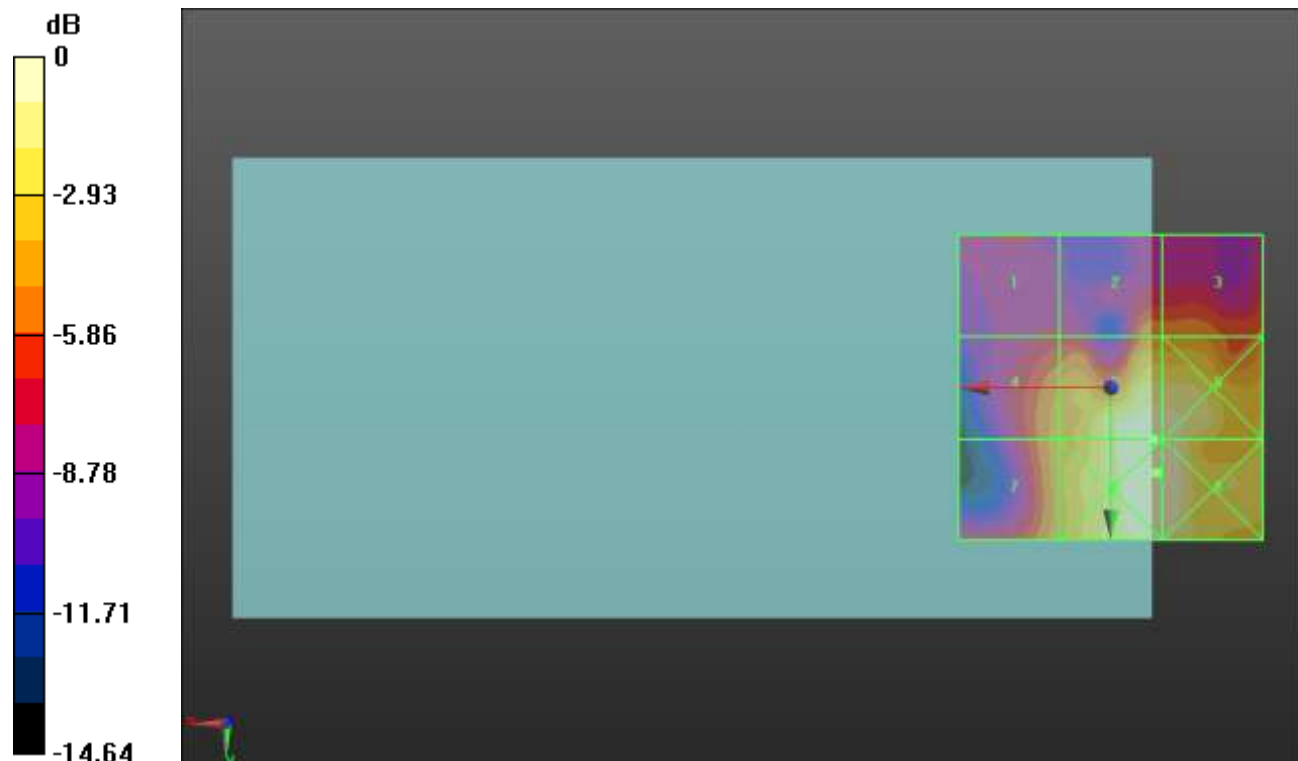
Applied MIF = -2.02 dB

RF audio interference level = 29.52 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>22.44 dBV/m</b> | Grid 2 <b>M4</b><br><b>24.9 dBV/m</b>  | Grid 3 <b>M4</b><br><b>25 dBV/m</b>    |
| Grid 4 <b>M4</b><br><b>25.46 dBV/m</b> | Grid 5 <b>M4</b><br><b>29.52 dBV/m</b> | Grid 6 <b>M4</b><br><b>29.45 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>25.66 dBV/m</b> | Grid 8 <b>M4</b><br><b>29.72 dBV/m</b> | Grid 9 <b>M4</b><br><b>29.68 dBV/m</b> |



0 dB = 30.60 V/m = 29.71 dBV/m

## HAC-RF Emission ANT 5

Communication System: UID 10077 - CAB, IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 54 Mbps); Frequency: 2422 MHz; Duty Cycle: 1:12.5893

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/16/2018;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

### 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 = 17.24 V/m; Power Drift = 0.67 dB

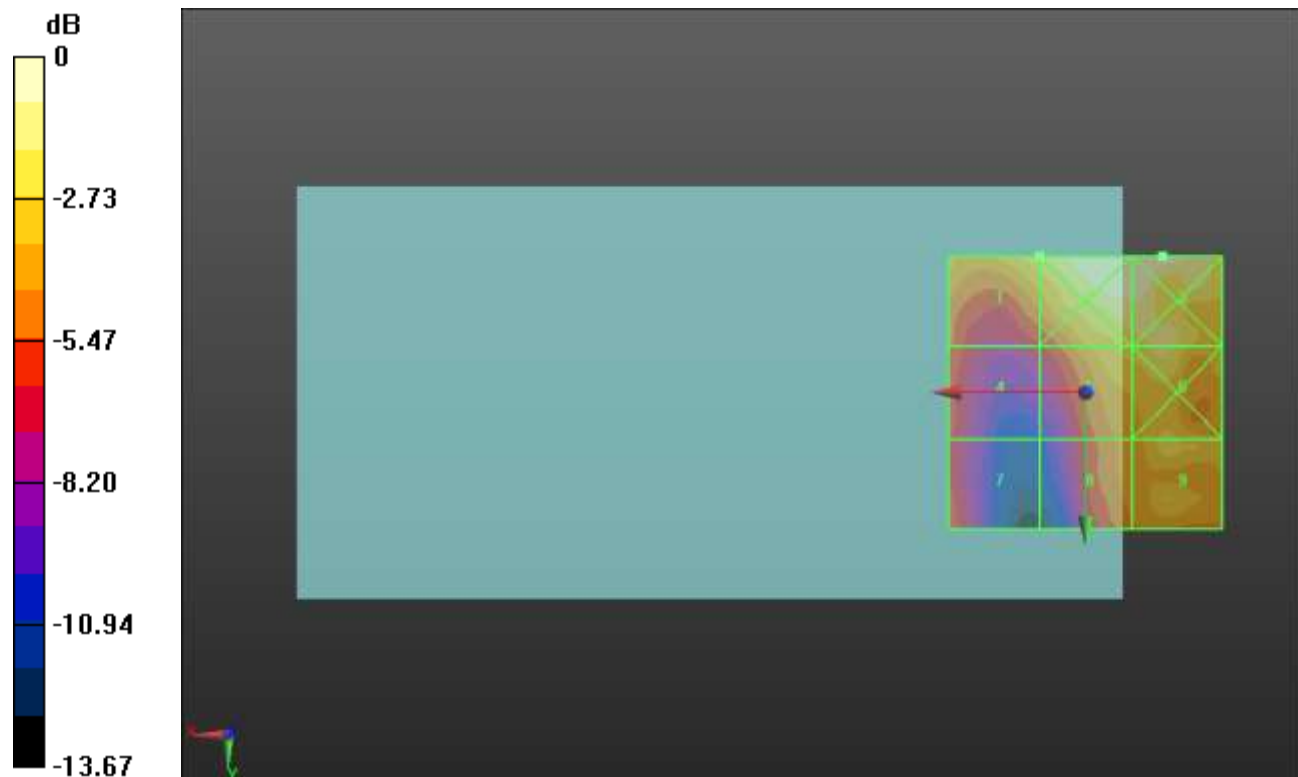
Applied MIF = 0.12 dB

RF audio interference level = 26.80 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>26.8 dBV/m</b>  | Grid 2 <b>M4</b><br><b>28.51 dBV/m</b> | Grid 3 <b>M4</b><br><b>28.63 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>23.43 dBV/m</b> | Grid 5 <b>M4</b><br><b>26.39 dBV/m</b> | Grid 6 <b>M4</b><br><b>27.25 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>22.88 dBV/m</b> | Grid 8 <b>M4</b><br><b>24.67 dBV/m</b> | Grid 9 <b>M4</b><br><b>26.32 dBV/m</b> |



0 dB = 27.02 V/m = 28.63 dBV/m

## HAC-RF Emission ANT 5

Communication System: UID 10077 - CAB, IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 54 Mbps); Frequency: 2437 MHz; Duty Cycle: 1:12.5893

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/16/2018;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

## 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 = 18.23 V/m; Power Drift = -0.15 dB

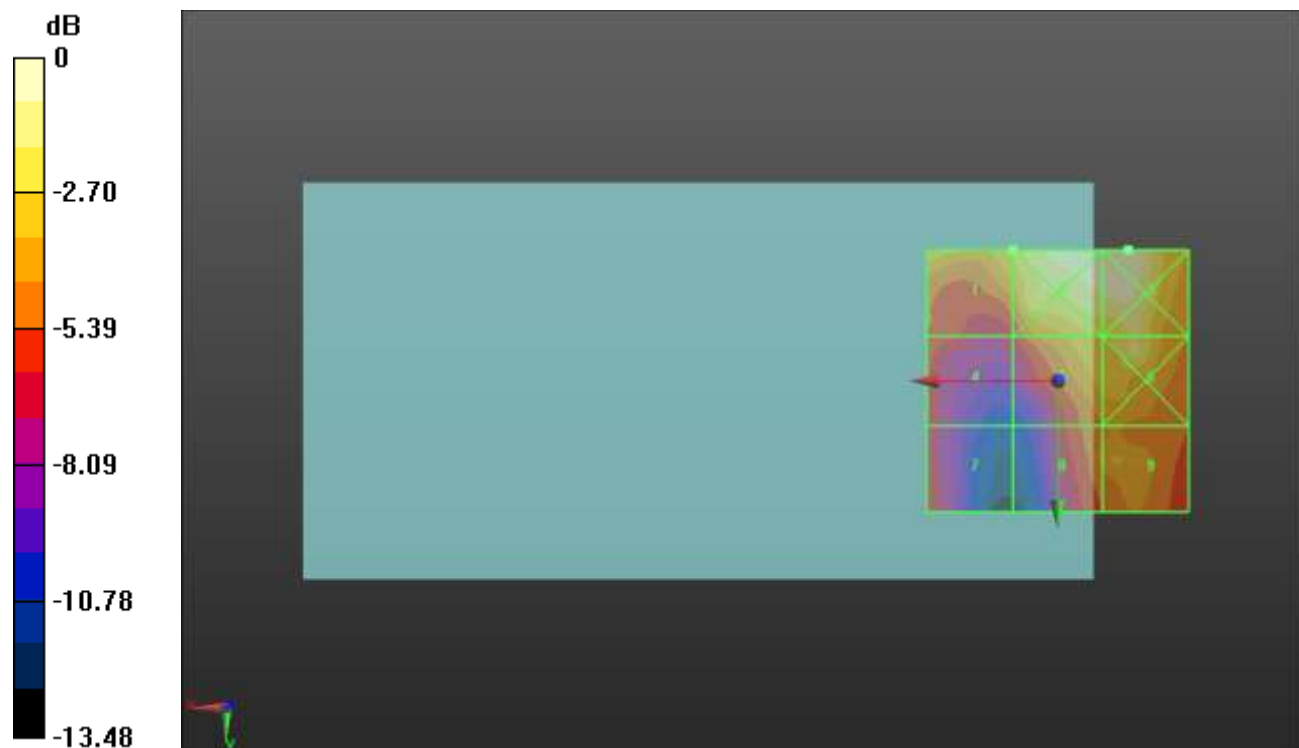
Applied MIF = 0.12 dB

RF audio interference level = 26.85 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>29.01 dBV/m</b> | Grid 3 <b>M4</b><br><b>29.1 dBV/m</b>  |
| Grid 4 <b>M4</b><br><b>23.61 dBV/m</b> | Grid 5 <b>M4</b><br><b>26.34 dBV/m</b> | Grid 6 <b>M4</b><br><b>27.53 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>22.93 dBV/m</b> | Grid 8 <b>M4</b><br><b>25 dBV/m</b>    | Grid 9 <b>M4</b><br><b>25.58 dBV/m</b> |



0 dB = 28.51 V/m = 29.10 dBV/m

## HAC-RF Emission ANT 5

Communication System: UID 10077 - CAB, IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 54 Mbps); Frequency: 2452 MHz; Duty Cycle: 1:12.5893

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/16/2018;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

### 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 = 19.00 V/m; Power Drift = -0.10 dB

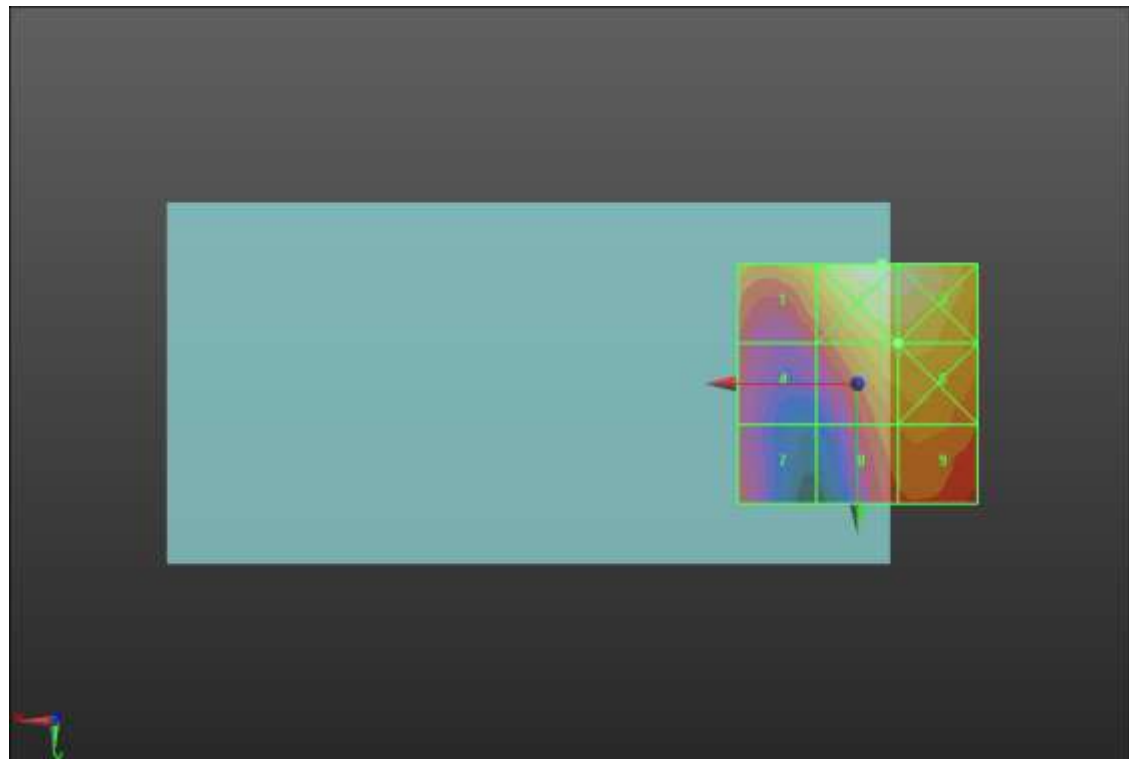
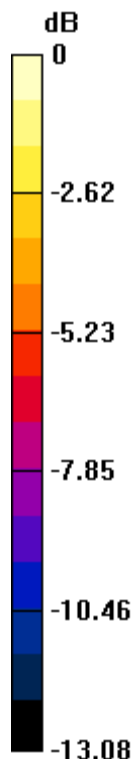
Applied MIF = 0.12 dB

RF audio interference level = 26.95 dBV/m

Emission category: **M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>26.78 dBV/m</b> | Grid 2 <b>M4</b><br><b>29.17 dBV/m</b> | Grid 3 <b>M4</b><br><b>28.89 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>23.05 dBV/m</b> | Grid 5 <b>M4</b><br><b>26.95 dBV/m</b> | Grid 6 <b>M4</b><br><b>27.01 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>23.36 dBV/m</b> | Grid 8 <b>M4</b><br><b>24.89 dBV/m</b> | Grid 9 <b>M4</b><br><b>25.17 dBV/m</b> |



0 dB = 28.75 V/m = 29.17 dBV/m



## HAC-RF Emission ANT 5

Communication System: UID 10069 - CAB, 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 - SN4041; ConvF(1, 1, 1); Calibrated: 3/16/2018;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

### 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 = 11.95 V/m; Power Drift = 0.02 dB

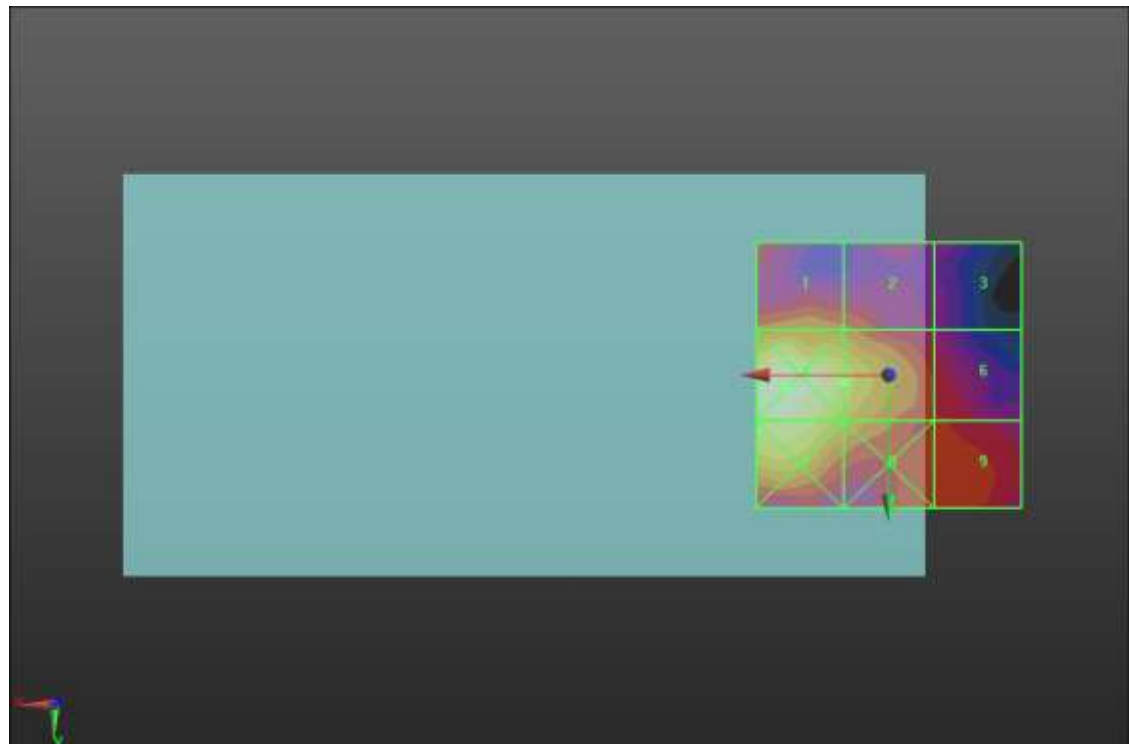
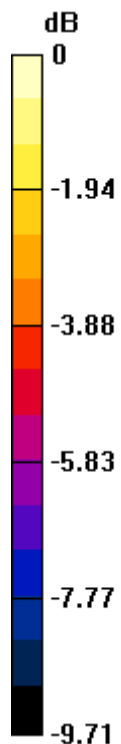
Applied MIF = -3.15 dB

RF audio interference level = 18.26 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>16.64 dBV/m</b> | Grid 2 <b>M4</b><br><b>16.14 dBV/m</b> | Grid 3 <b>M4</b><br><b>14.06 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>19.74 dBV/m</b> | Grid 5 <b>M4</b><br><b>18.26 dBV/m</b> | Grid 6 <b>M4</b><br><b>15.34 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>19.02 dBV/m</b> | Grid 8 <b>M4</b><br><b>17.4 dBV/m</b>  | Grid 9 <b>M4</b><br><b>15.7 dBV/m</b>  |



0 dB = 9.711 V/m = 19.75 dBV/m

## HAC-RF Emission ANT 5

Communication System: UID 10069 - CAB, 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 - SN4041; ConvF(1, 1, 1); Calibrated: 3/16/2018;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

### 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 = 12.26 V/m; Power Drift = 0.03 dB

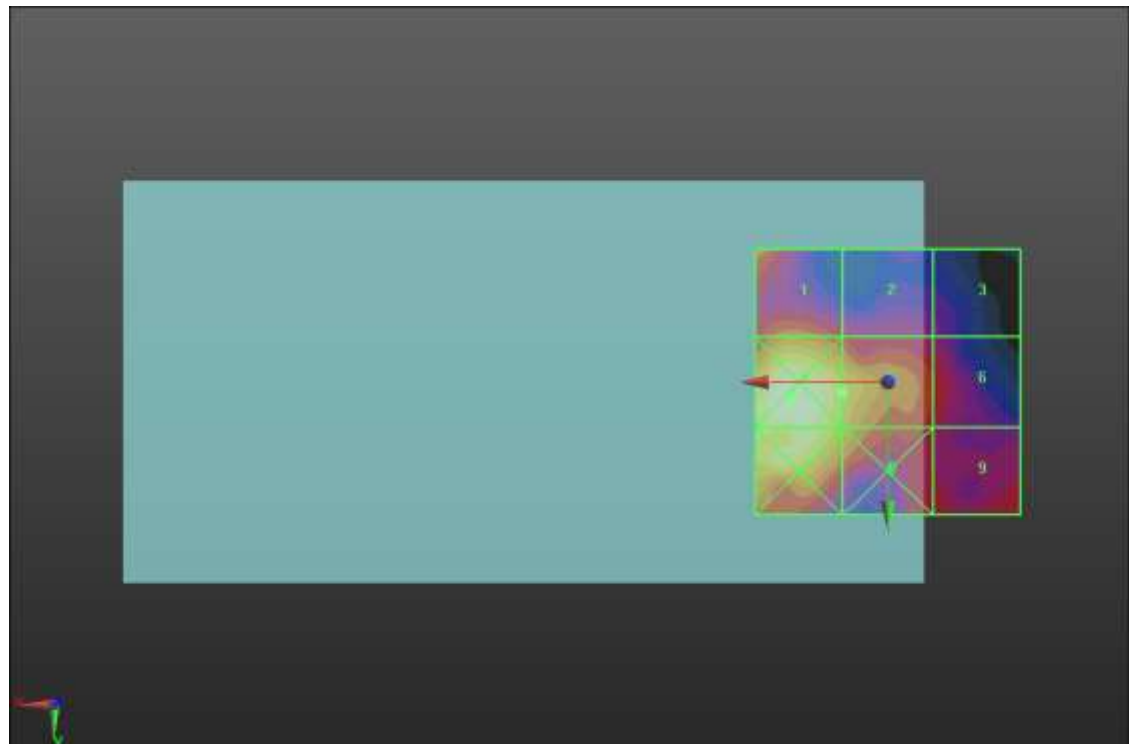
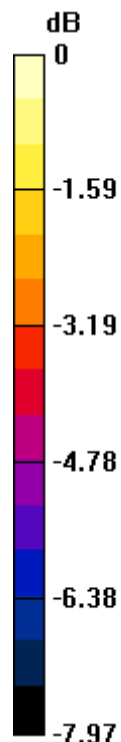
Applied MIF = -3.15 dB

RF audio interference level = 18.01 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>16.75 dBV/m</b> | Grid 2 <b>M4</b><br><b>15.61 dBV/m</b> | Grid 3 <b>M4</b><br><b>14.61 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>19.41 dBV/m</b> | Grid 5 <b>M4</b><br><b>18.01 dBV/m</b> | Grid 6 <b>M4</b><br><b>15.8 dBV/m</b>  |
| Grid 7 <b>M4</b><br><b>18.88 dBV/m</b> | Grid 8 <b>M4</b><br><b>17.52 dBV/m</b> | Grid 9 <b>M4</b><br><b>15.49 dBV/m</b> |



0 dB = 9.343 V/m = 19.41 dBV/m

## HAC-RF Emission ANT 5

Communication System: UID 10069 - CAB, 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 - SN4041; ConvF(1, 1, 1); Calibrated: 3/16/2018;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

### 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 = 11.93 V/m; Power Drift = -0.19 dB

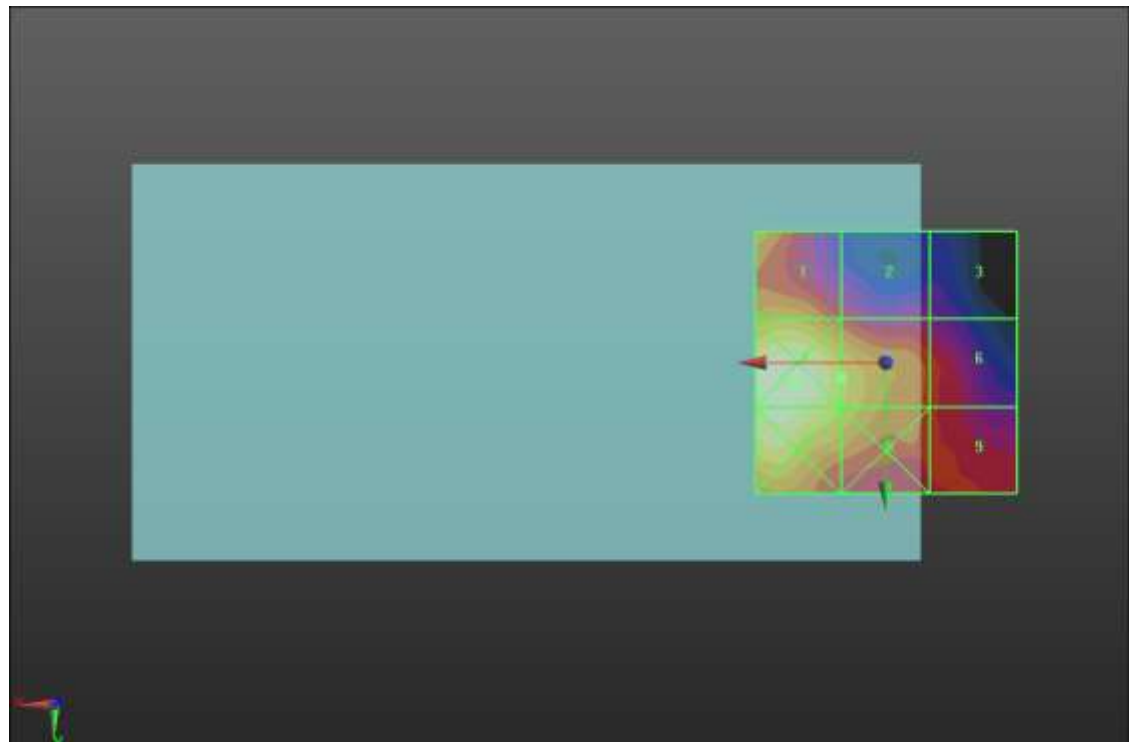
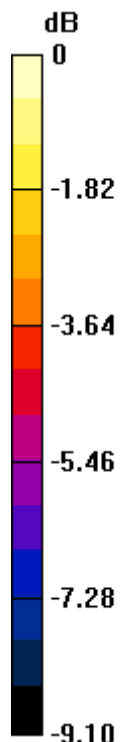
Applied MIF = -3.15 dB

RF audio interference level = 17.50 dBV/m

Emission category: **M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>16.77 dBV/m</b> | Grid 2 <b>M4</b><br><b>14.91 dBV/m</b> | Grid 3 <b>M4</b><br><b>13.4 dBV/m</b>  |
| Grid 4 <b>M4</b><br><b>19.13 dBV/m</b> | Grid 5 <b>M4</b><br><b>17.5 dBV/m</b>  | Grid 6 <b>M4</b><br><b>15.33 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>18.85 dBV/m</b> | Grid 8 <b>M4</b><br><b>17.34 dBV/m</b> | Grid 9 <b>M4</b><br><b>15.28 dBV/m</b> |



0 dB = 9.042 V/m = 19.13 dBV/m

## HAC-RF Emission ANT 5

Communication System: UID 10069 - CAB, 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 - SN4041; ConvF(1, 1, 1); Calibrated: 3/16/2018;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

### 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 = 11.74 V/m; Power Drift = 0.08 dB

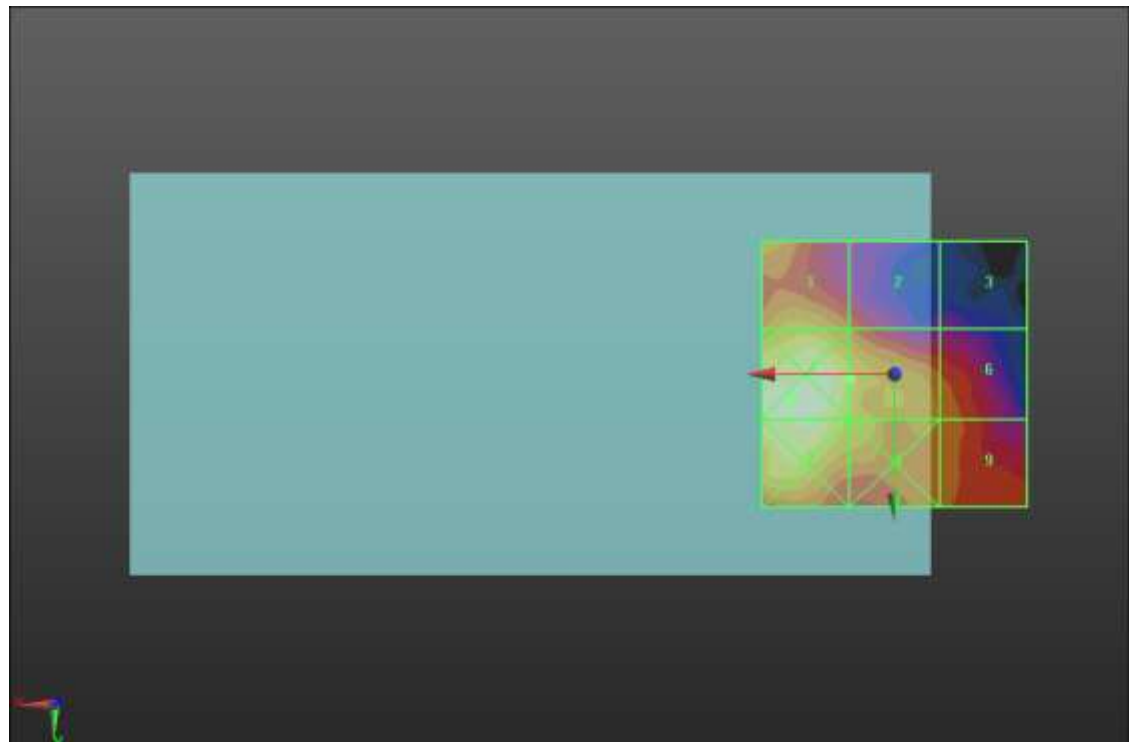
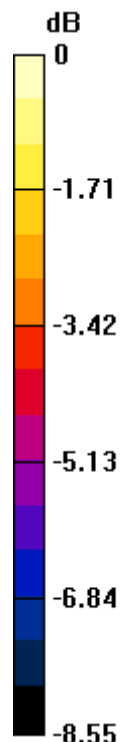
Applied MIF = -3.15 dB

RF audio interference level = 17.65 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>17.11 dBV/m</b> | Grid 2 <b>M4</b><br><b>15.83 dBV/m</b> | Grid 3 <b>M4</b><br><b>13.69 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>19.04 dBV/m</b> | Grid 5 <b>M4</b><br><b>17.65 dBV/m</b> | Grid 6 <b>M4</b><br><b>16.13 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>18.67 dBV/m</b> | Grid 8 <b>M4</b><br><b>17.36 dBV/m</b> | Grid 9 <b>M4</b><br><b>16.12 dBV/m</b> |



0 dB = 8.955 V/m = 19.04 dBV/m

## HAC-RF Emission ANT 5

Communication System: UID 10069 - CAB, 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 - SN4041; ConvF(1, 1, 1); Calibrated: 3/16/2018;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

### 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 = 10.73 V/m; Power Drift = -0.22 dB

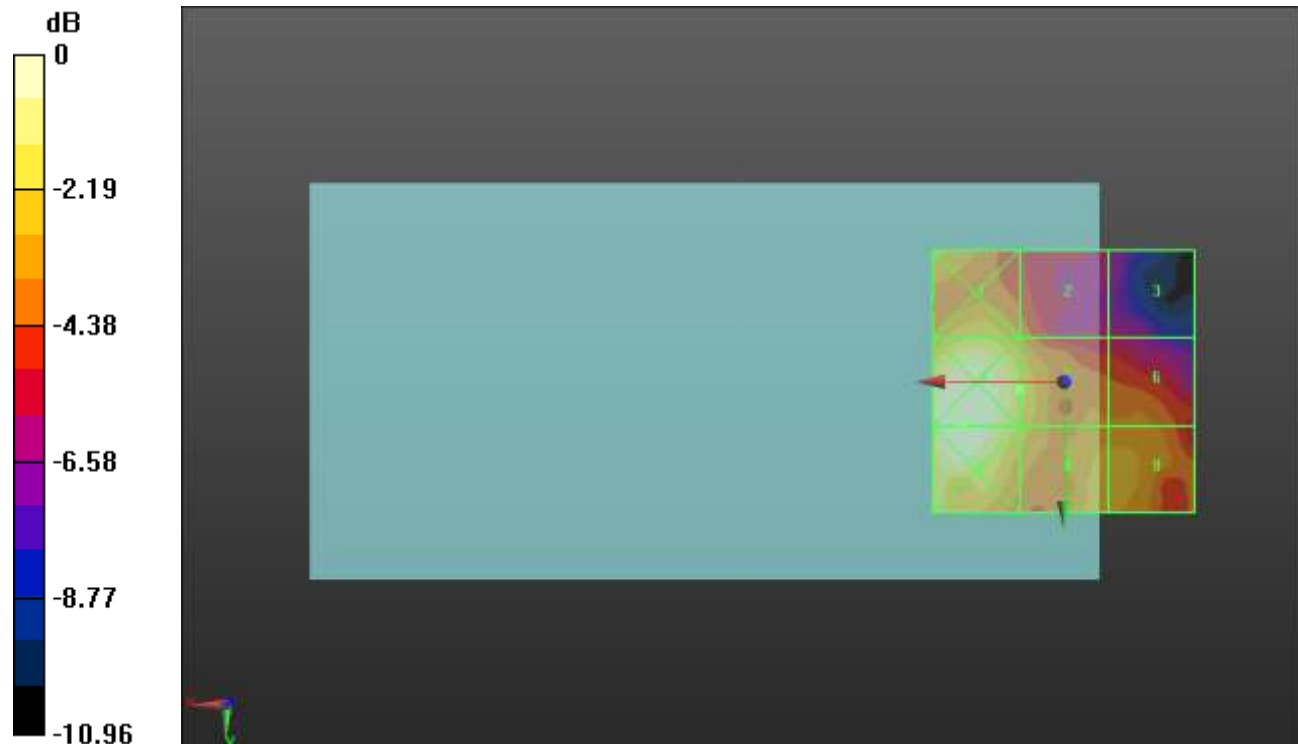
Applied MIF = -3.15 dB

RF audio interference level = 16.84 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>16.63 dBV/m</b> | Grid 2 <b>M4</b><br><b>15.2 dBV/m</b>  | Grid 3 <b>M4</b><br><b>12.8 dBV/m</b>  |
| Grid 4 <b>M4</b><br><b>18.72 dBV/m</b> | Grid 5 <b>M4</b><br><b>16.84 dBV/m</b> | Grid 6 <b>M4</b><br><b>15.38 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>18.71 dBV/m</b> | Grid 8 <b>M4</b><br><b>16.37 dBV/m</b> | Grid 9 <b>M4</b><br><b>16.08 dBV/m</b> |



0 dB = 8.627 V/m = 18.72 dBV/m

## HAC-RF Emission ANT 5

Communication System: UID 10069 - CAB, 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 - SN4041; ConvF(1, 1, 1); Calibrated: 3/16/2018;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

### 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 = 11.70 V/m; Power Drift = -0.17 dB

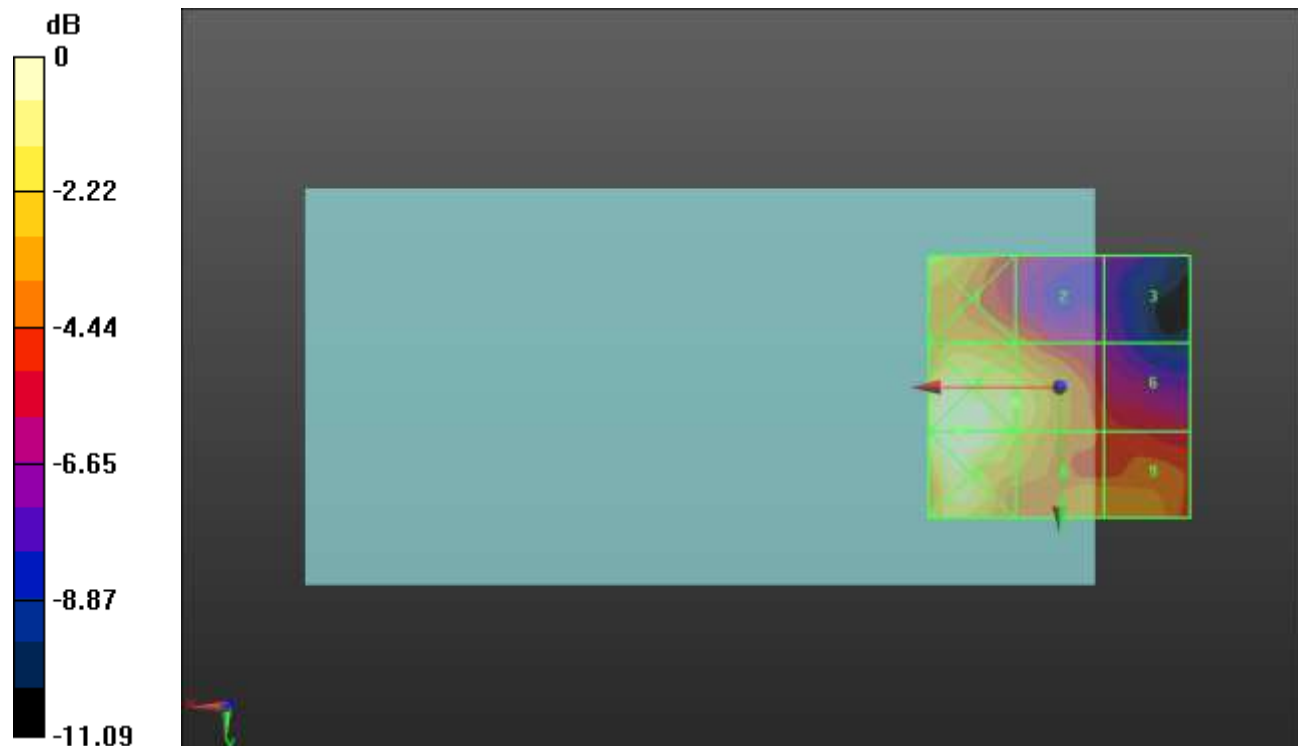
Applied MIF = -3.15 dB

RF audio interference level = 17.68 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>17.55 dBV/m</b> | Grid 2 <b>M4</b><br><b>15.33 dBV/m</b> | Grid 3 <b>M4</b><br><b>12.34 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>19.19 dBV/m</b> | Grid 5 <b>M4</b><br><b>17.68 dBV/m</b> | Grid 6 <b>M4</b><br><b>14.45 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>19.18 dBV/m</b> | Grid 8 <b>M4</b><br><b>17.16 dBV/m</b> | Grid 9 <b>M4</b><br><b>16.14 dBV/m</b> |



0 dB = 9.107 V/m = 19.19 dBV/m

## HAC-RF Emission ANT 5

Communication System: UID 10069 - CAB, 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 - SN4041; ConvF(1, 1, 1); Calibrated: 3/16/2018;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

### 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 = 8.101 V/m; Power Drift = -0.68 dB

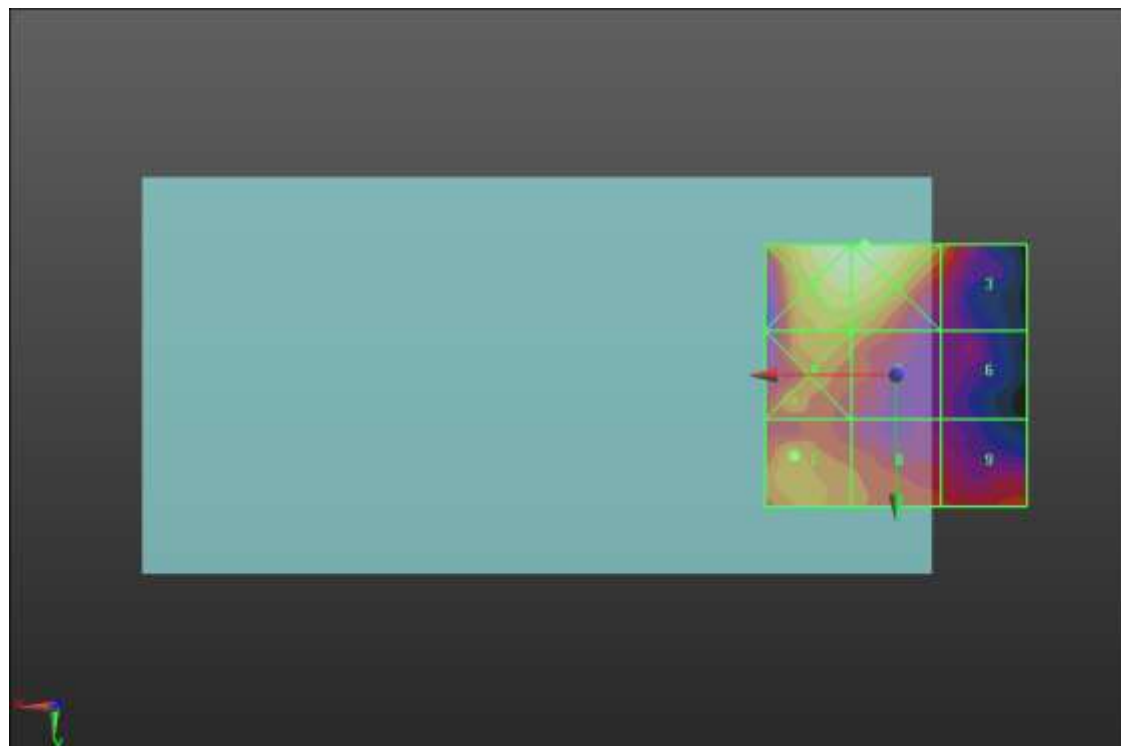
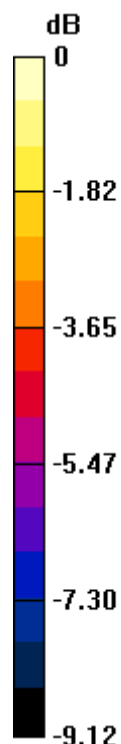
Applied MIF = -3.15 dB

RF audio interference level = 15.61 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>18.03 dBV/m</b> | Grid 2 <b>M4</b><br><b>18.11 dBV/m</b> | Grid 3 <b>M4</b><br><b>15.25 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>15.74 dBV/m</b> | Grid 5 <b>M4</b><br><b>15.29 dBV/m</b> | Grid 6 <b>M4</b><br><b>12.75 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>15.61 dBV/m</b> | Grid 8 <b>M4</b><br><b>14.75 dBV/m</b> | Grid 9 <b>M4</b><br><b>14.05 dBV/m</b> |



0 dB = 8.042 V/m = 18.11 dBV/m

## HAC-RF Emission ANT 5

Communication System: UID 10069 - CAB, 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 - SN4041; ConvF(1, 1, 1); Calibrated: 3/16/2018;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

### 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 = 7.342 V/m; Power Drift = -0.02 dB

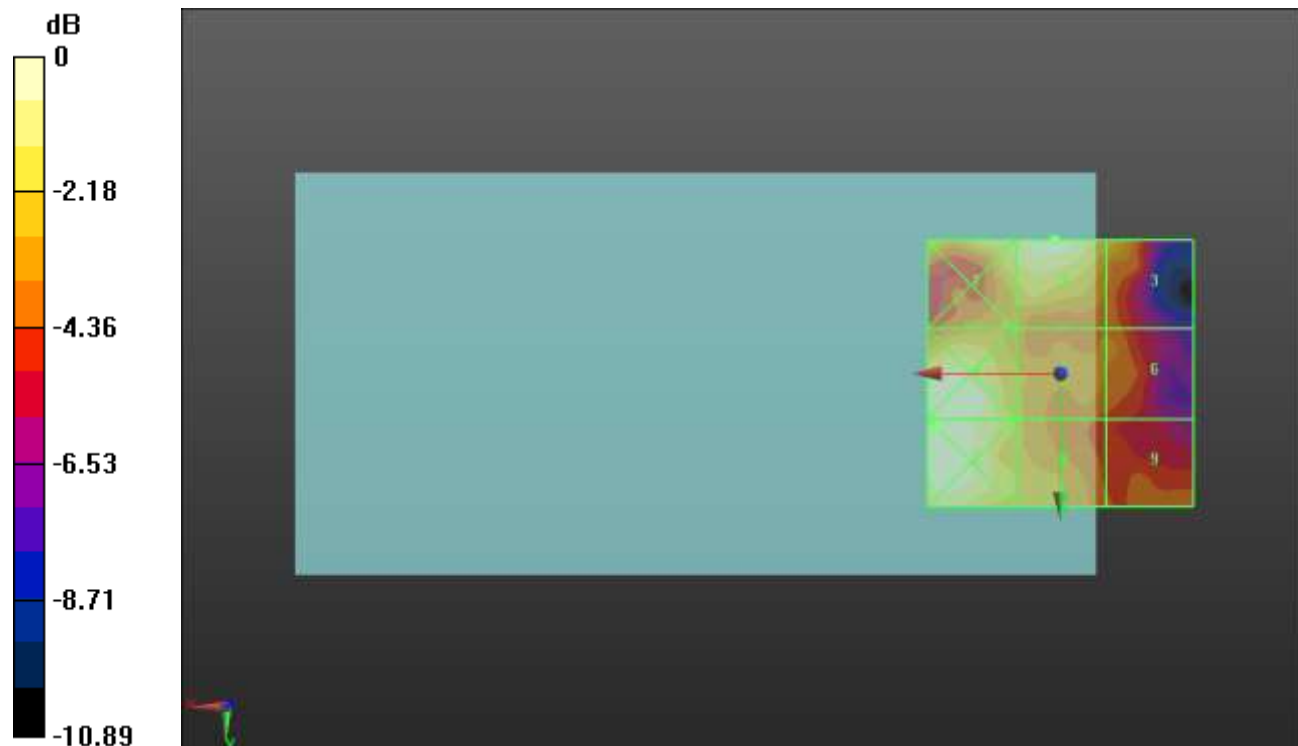
Applied MIF = -3.15 dB

RF audio interference level = 16.12 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>15.18 dBV/m</b> | Grid 2 <b>M4</b><br><b>16.12 dBV/m</b> | Grid 3 <b>M4</b><br><b>14.79 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>16.13 dBV/m</b> | Grid 5 <b>M4</b><br><b>13.83 dBV/m</b> | Grid 6 <b>M4</b><br><b>12.79 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>16.14 dBV/m</b> | Grid 8 <b>M4</b><br><b>14.03 dBV/m</b> | Grid 9 <b>M4</b><br><b>12.6 dBV/m</b>  |



0 dB = 6.412 V/m = 16.14 dBV/m



## HAC-RF Emission ANT 5

Communication System: UID 10069 - CAB, 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 - SN4041; ConvF(1, 1, 1); Calibrated: 3/16/2018;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

### 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 = 8.895 V/m; Power Drift = -0.30 dB

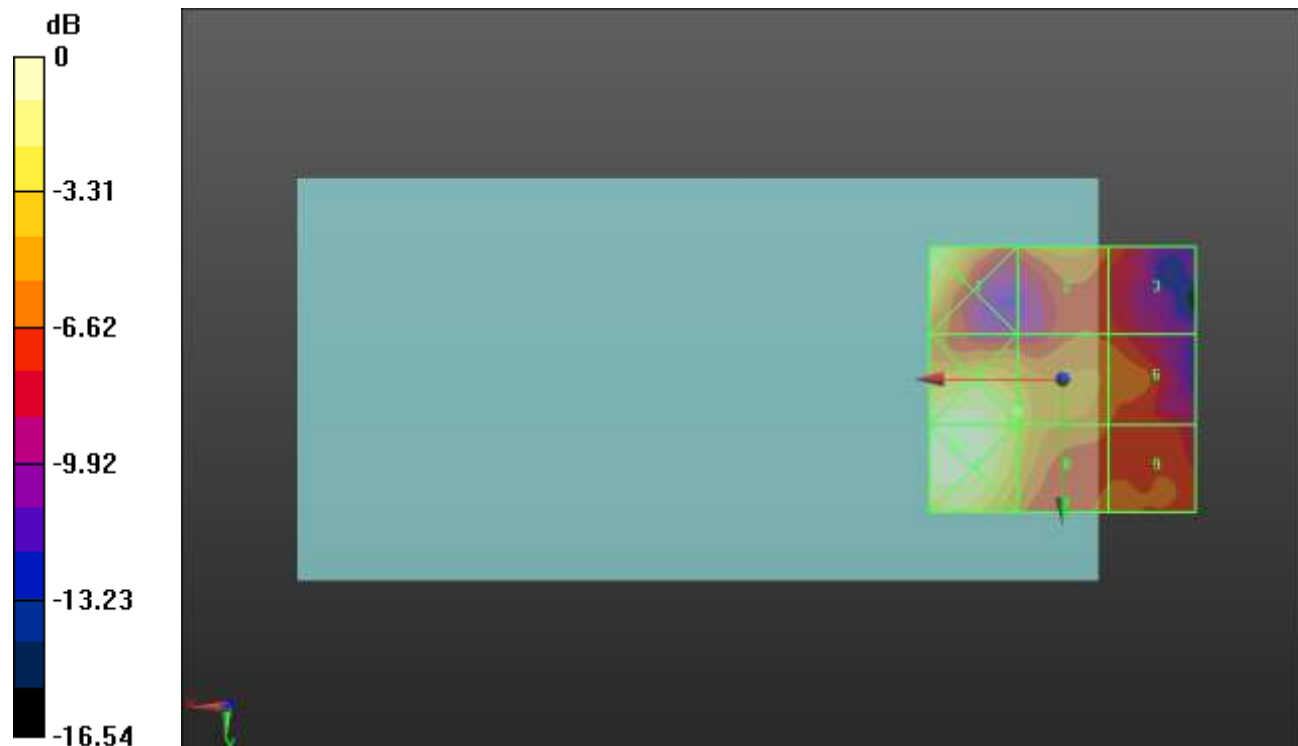
Applied MIF = -3.15 dB

RF audio interference level = 15.71 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>18.11 dBV/m</b> | Grid 2 <b>M4</b><br><b>13.93 dBV/m</b> | Grid 3 <b>M4</b><br><b>12.55 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>18.43 dBV/m</b> | Grid 5 <b>M4</b><br><b>15.71 dBV/m</b> | Grid 6 <b>M4</b><br><b>13.19 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>18.77 dBV/m</b> | Grid 8 <b>M4</b><br><b>15.61 dBV/m</b> | Grid 9 <b>M4</b><br><b>12.43 dBV/m</b> |



0 dB = 8.681 V/m = 18.77 dBV/m

## HAC-RF Emission ANT 5

Communication System: UID 10069 - CAB, 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 - SN4041; ConvF(1, 1, 1); Calibrated: 3/16/2018;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

### 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 = 9.000 V/m; Power Drift = -0.24 dB

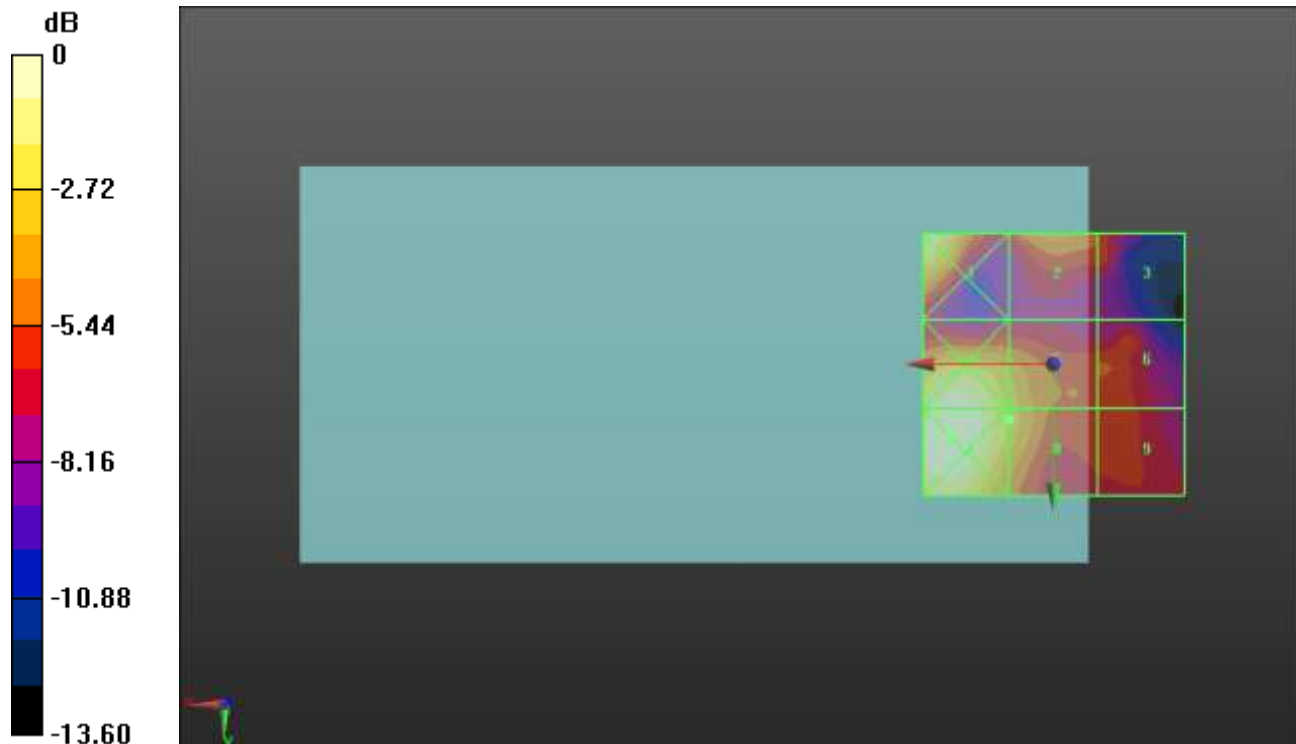
Applied MIF = -3.15 dB

RF audio interference level = 16.42 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>18.55 dBV/m</b> | Grid 2 <b>M4</b><br><b>15.24 dBV/m</b> | Grid 3 <b>M4</b><br><b>13.97 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>18.89 dBV/m</b> | Grid 5 <b>M4</b><br><b>16.36 dBV/m</b> | Grid 6 <b>M4</b><br><b>13.96 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>19.24 dBV/m</b> | Grid 8 <b>M4</b><br><b>16.42 dBV/m</b> | Grid 9 <b>M4</b><br><b>13.68 dBV/m</b> |



0 dB = 9.166 V/m = 19.24 dBV/m

## HAC-RF Emission ANT 5

Communication System: UID 10069 - CAB, 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 - SN4041; ConvF(1, 1, 1); Calibrated: 3/16/2018;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

### 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 = 9.433 V/m; Power Drift = -0.22 dB

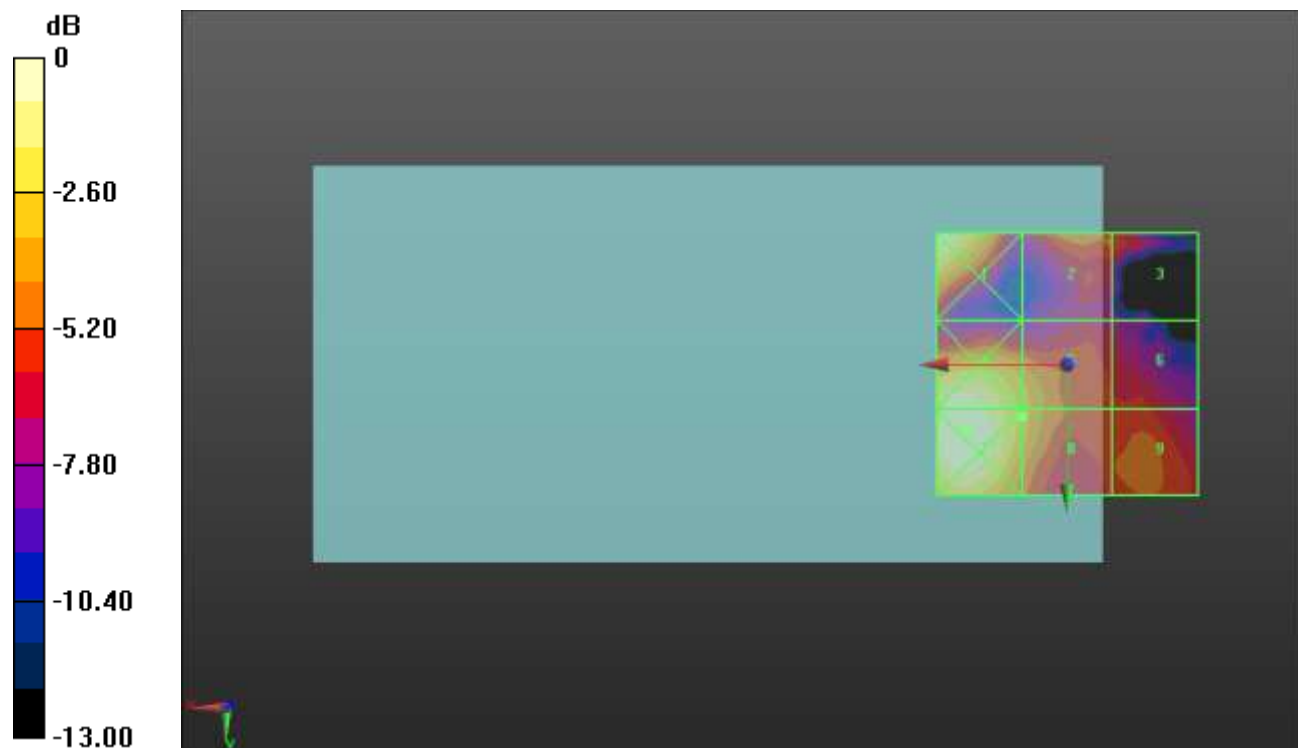
Applied MIF = -3.15 dB

RF audio interference level = 16.20 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>18.76 dBV/m</b> | Grid 2 <b>M4</b><br><b>14.73 dBV/m</b> | Grid 3 <b>M4</b><br><b>13.96 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>18.79 dBV/m</b> | Grid 5 <b>M4</b><br><b>16.17 dBV/m</b> | Grid 6 <b>M4</b><br><b>13.31 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>19.08 dBV/m</b> | Grid 8 <b>M4</b><br><b>16.2 dBV/m</b>  | Grid 9 <b>M4</b><br><b>14.34 dBV/m</b> |



0 dB = 8.991 V/m = 19.08 dBV/m

## HAC-RF Emission ANT 5

Communication System: UID 10069 - CAB, 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 - SN4041; ConvF(1, 1, 1); Calibrated: 3/16/2018;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

### 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 = 8.892 V/m; Power Drift = -0.56 dB

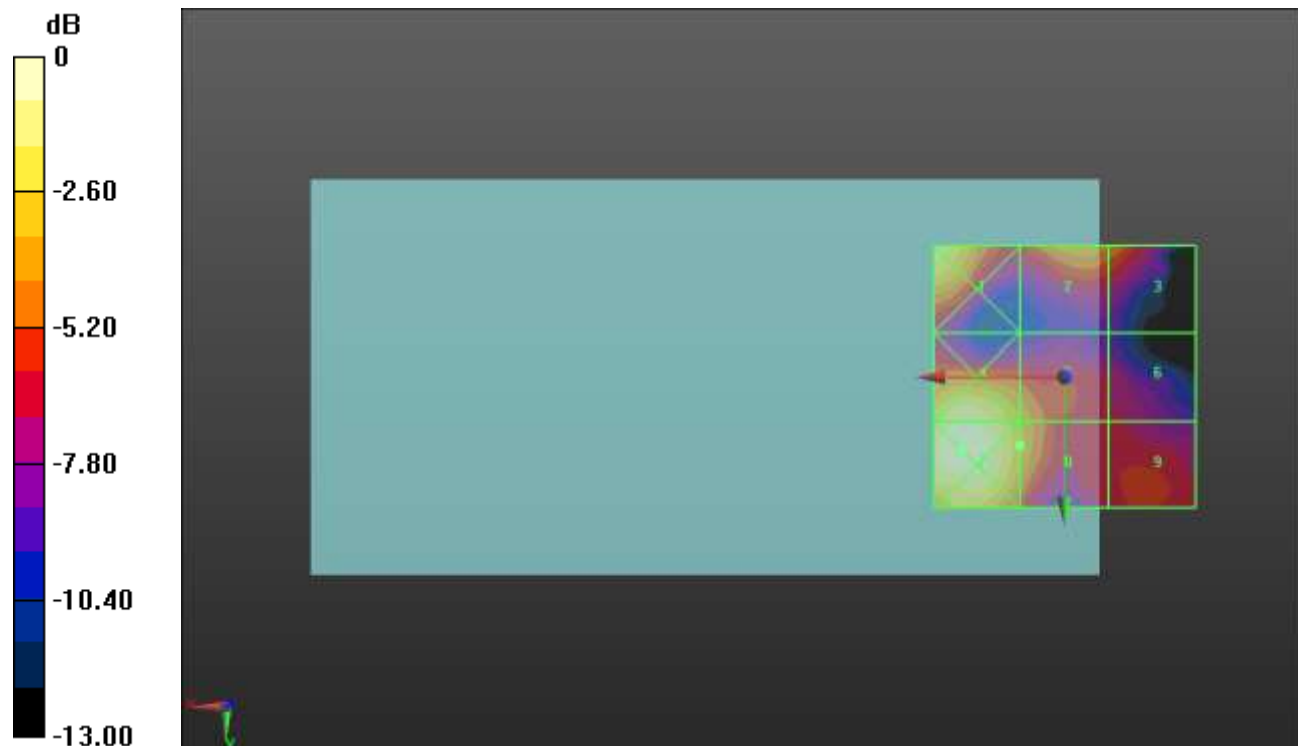
Applied MIF = -3.15 dB

RF audio interference level = 16.00 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>17.87 dBV/m</b> | Grid 2 <b>M4</b><br><b>15.52 dBV/m</b> | Grid 3 <b>M4</b><br><b>14.98 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>18.37 dBV/m</b> | Grid 5 <b>M4</b><br><b>15.76 dBV/m</b> | Grid 6 <b>M4</b><br><b>12.59 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>19.12 dBV/m</b> | Grid 8 <b>M4</b><br><b>16 dBV/m</b>    | Grid 9 <b>M4</b><br><b>13.31 dBV/m</b> |



0 dB = 9.033 V/m = 19.12 dBV/m

## HAC-RF Emission ANT 1

Communication System: UID 10173 - CAC, 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 - SN4041; ConvF(1, 1, 1); Calibrated: 3/16/2018;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

## LTE Band 41 E-Field measurement 2/LTE TDD\_16QAM\_RB 1/49\_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 = 12.20 V/m; Power Drift = -0.17 dB

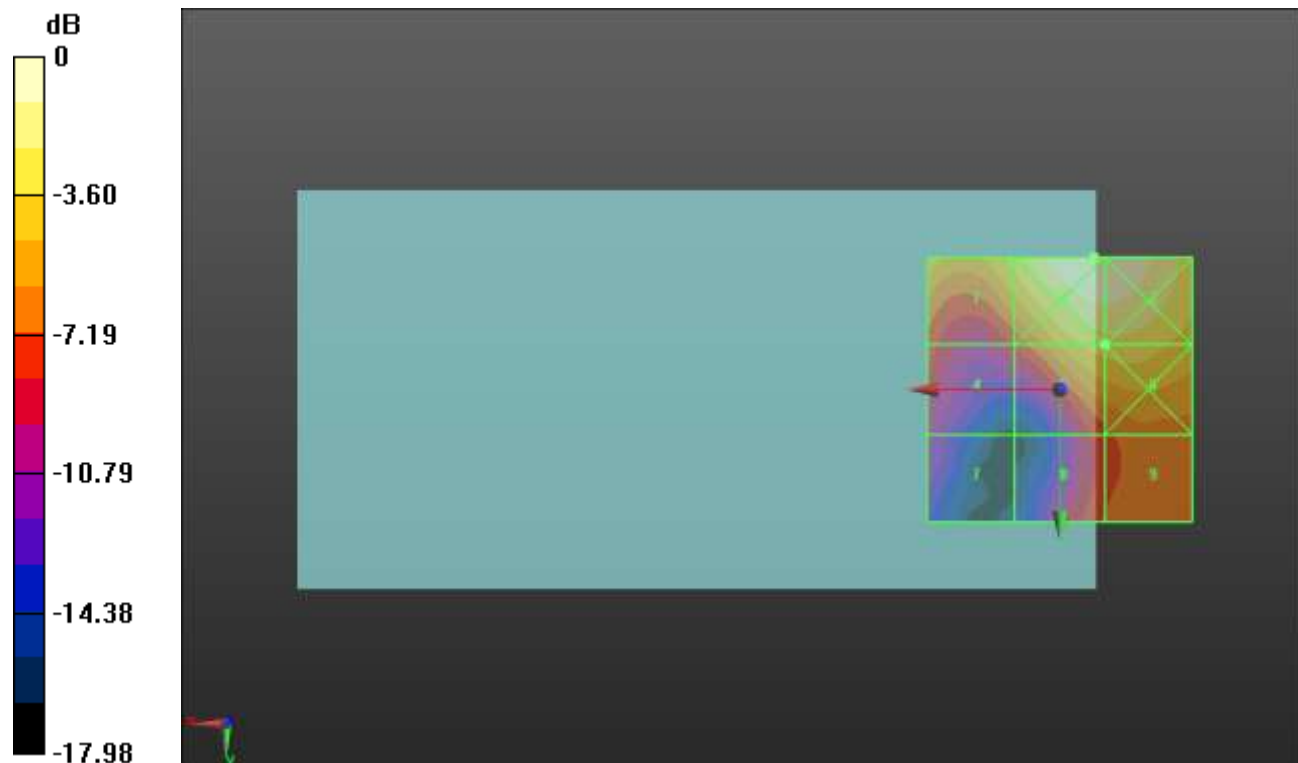
Applied MIF = -1.44 dB

RF audio interference level = 23.39 dBV/m

Emission category: **M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>23.29 dBV/m</b> | Grid 2 <b>M4</b><br><b>26.3 dBV/m</b>  | Grid 3 <b>M4</b><br><b>26.23 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>18.7 dBV/m</b>  | Grid 5 <b>M4</b><br><b>23.39 dBV/m</b> | Grid 6 <b>M4</b><br><b>23.54 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>15.89 dBV/m</b> | Grid 8 <b>M4</b><br><b>19.35 dBV/m</b> | Grid 9 <b>M4</b><br><b>20.07 dBV/m</b> |



0 dB = 20.66 V/m = 26.30 dBV/m

## HAC-RF Emission ANT 1

Communication System: UID 10173 - CAC, 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 - SN4041; ConvF(1, 1, 1); Calibrated: 3/16/2018;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

## LTE Band 41 E-Field measurement 2/LTE TDD\_16QAM\_RB 1/49\_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 = 11.50 V/m; Power Drift = -0.05 dB

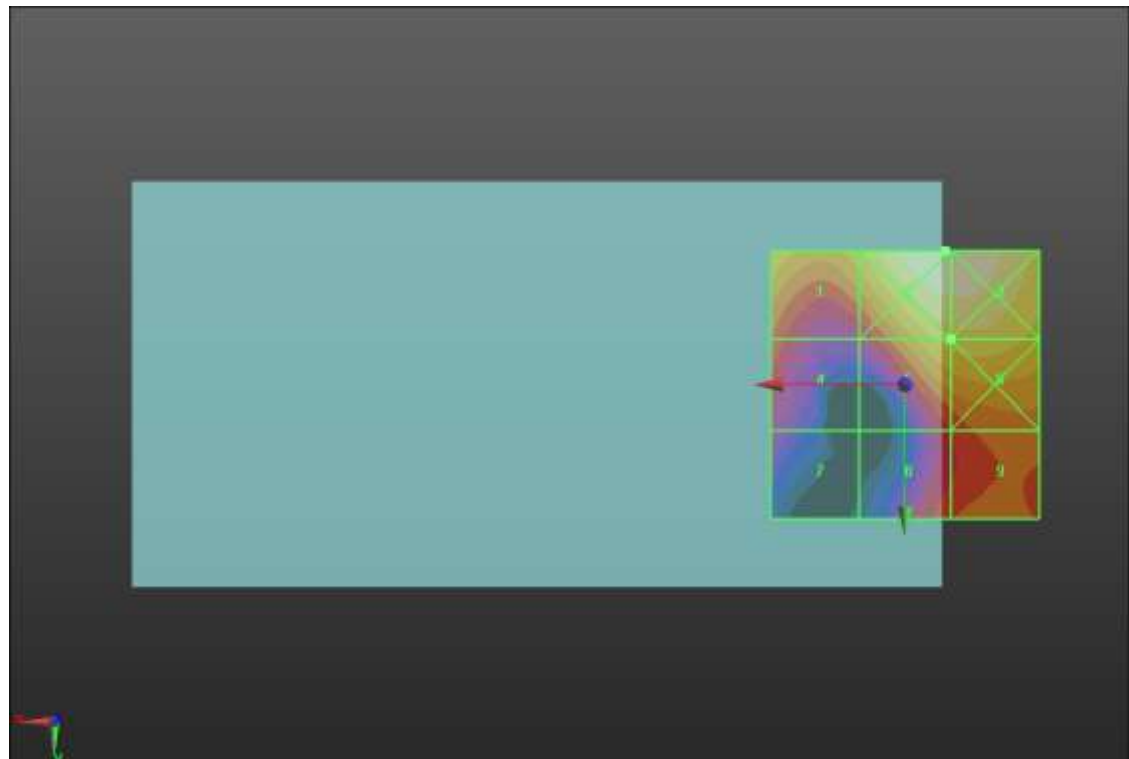
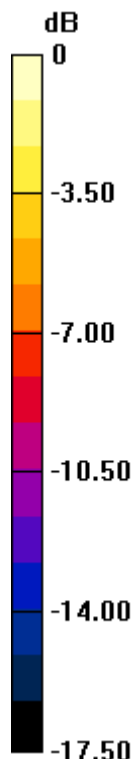
Applied MIF = -1.44 dB

RF audio interference level = 23.01 dBV/m

Emission category: **M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>22.64 dBV/m</b> | Grid 2 <b>M4</b><br><b>25.98 dBV/m</b> | Grid 3 <b>M4</b><br><b>25.96 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>18.98 dBV/m</b> | Grid 5 <b>M4</b><br><b>23.01 dBV/m</b> | Grid 6 <b>M4</b><br><b>23.3 dBV/m</b>  |
| Grid 7 <b>M4</b><br><b>16.1 dBV/m</b>  | Grid 8 <b>M4</b><br><b>18.87 dBV/m</b> | Grid 9 <b>M4</b><br><b>19.57 dBV/m</b> |



0 dB = 19.91 V/m = 25.98 dBV/m

## HAC-RF Emission ANT 1

Communication System: UID 10173 - CAC, 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 - SN4041; ConvF(1, 1, 1); Calibrated: 3/16/2018;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

## LTE Band 41 E-Field measurement 2/LTE TDD\_16QAM\_RB 1/49\_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 = 11.52 V/m; Power Drift = -0.10 dB

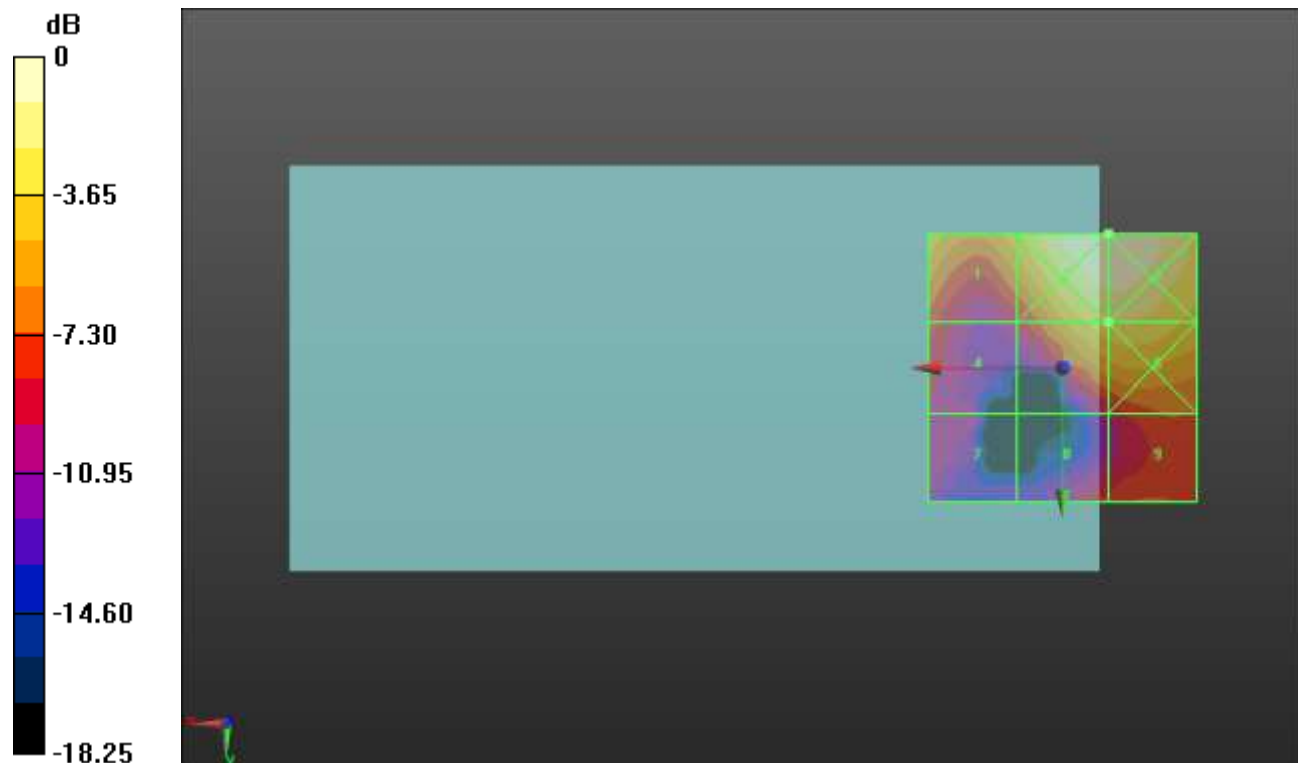
Applied MIF = -1.44 dB

RF audio interference level = 22.46 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>21.5 dBV/m</b>  | Grid 2 <b>M4</b><br><b>25.17 dBV/m</b> | Grid 3 <b>M4</b><br><b>25.17 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>17.41 dBV/m</b> | Grid 5 <b>M4</b><br><b>22.46 dBV/m</b> | Grid 6 <b>M4</b><br><b>22.7 dBV/m</b>  |
| Grid 7 <b>M4</b><br><b>15.45 dBV/m</b> | Grid 8 <b>M4</b><br><b>17.26 dBV/m</b> | Grid 9 <b>M4</b><br><b>18.11 dBV/m</b> |



0 dB = 18.13 V/m = 25.17 dBV/m

## HAC-RF Emission ANT 1

Communication System: UID 10173 - CAC, 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 - SN4041; ConvF(1, 1, 1); Calibrated: 3/16/2018;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

## LTE Band 41 E-Field measurement 2/LTE TDD\_16QAM\_RB 1/49\_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 = 11.43 V/m; Power Drift = -0.15 dB

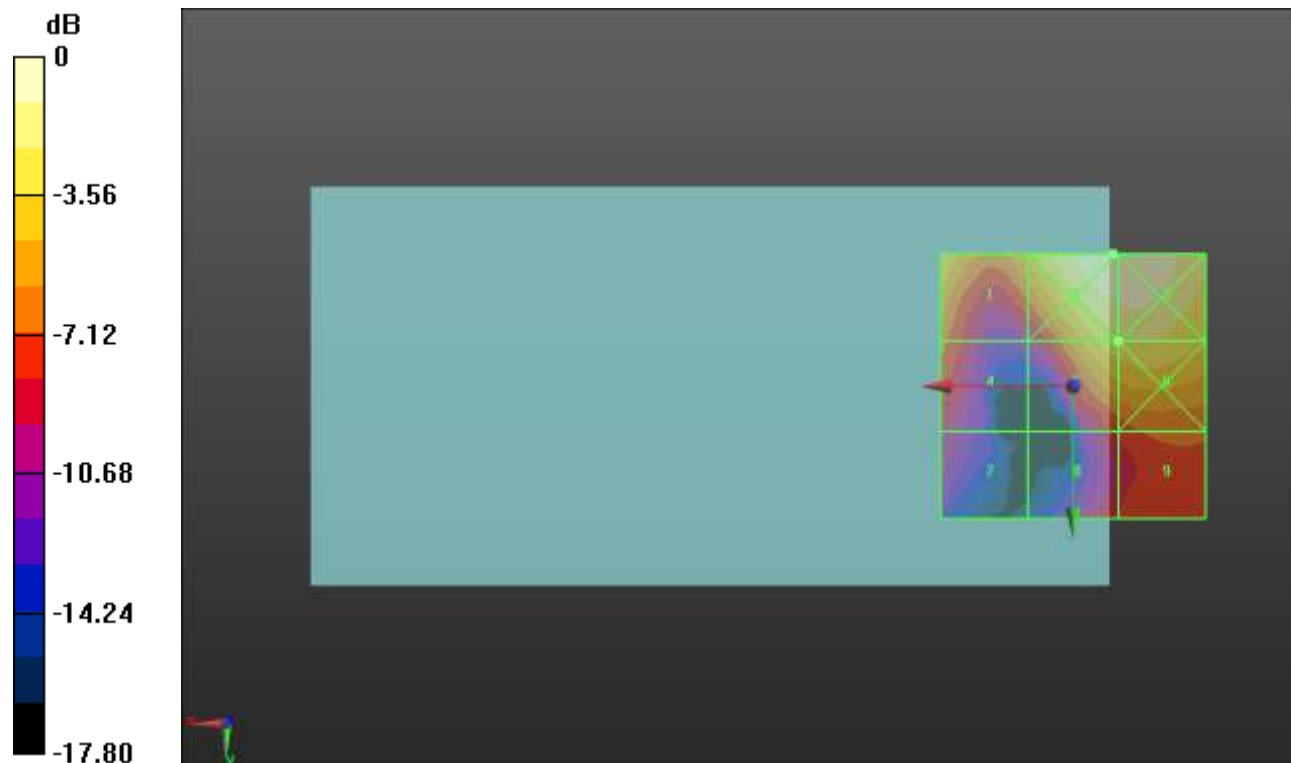
Applied MIF = -1.44 dB

RF audio interference level = 21.93 dBV/m

Emission category: **M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>21.44 dBV/m</b> | Grid 2 <b>M4</b><br><b>24.64 dBV/m</b> | Grid 3 <b>M4</b><br><b>24.63 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>18.04 dBV/m</b> | Grid 5 <b>M4</b><br><b>21.93 dBV/m</b> | Grid 6 <b>M4</b><br><b>22.24 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>15.35 dBV/m</b> | Grid 8 <b>M4</b><br><b>16.68 dBV/m</b> | Grid 9 <b>M4</b><br><b>17.93 dBV/m</b> |



0 dB = 17.06 V/m = 24.64 dBV/m



## HAC-RF Emission ANT 1

Communication System: UID 10173 - CAC, 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 - SN4041; ConvF(1, 1, 1); Calibrated: 3/16/2018;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

## LTE Band 41 E-Field measurement 2/LTE TDD\_16QAM\_RB 1/49\_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 = 10.04 V/m; Power Drift = -0.09 dB

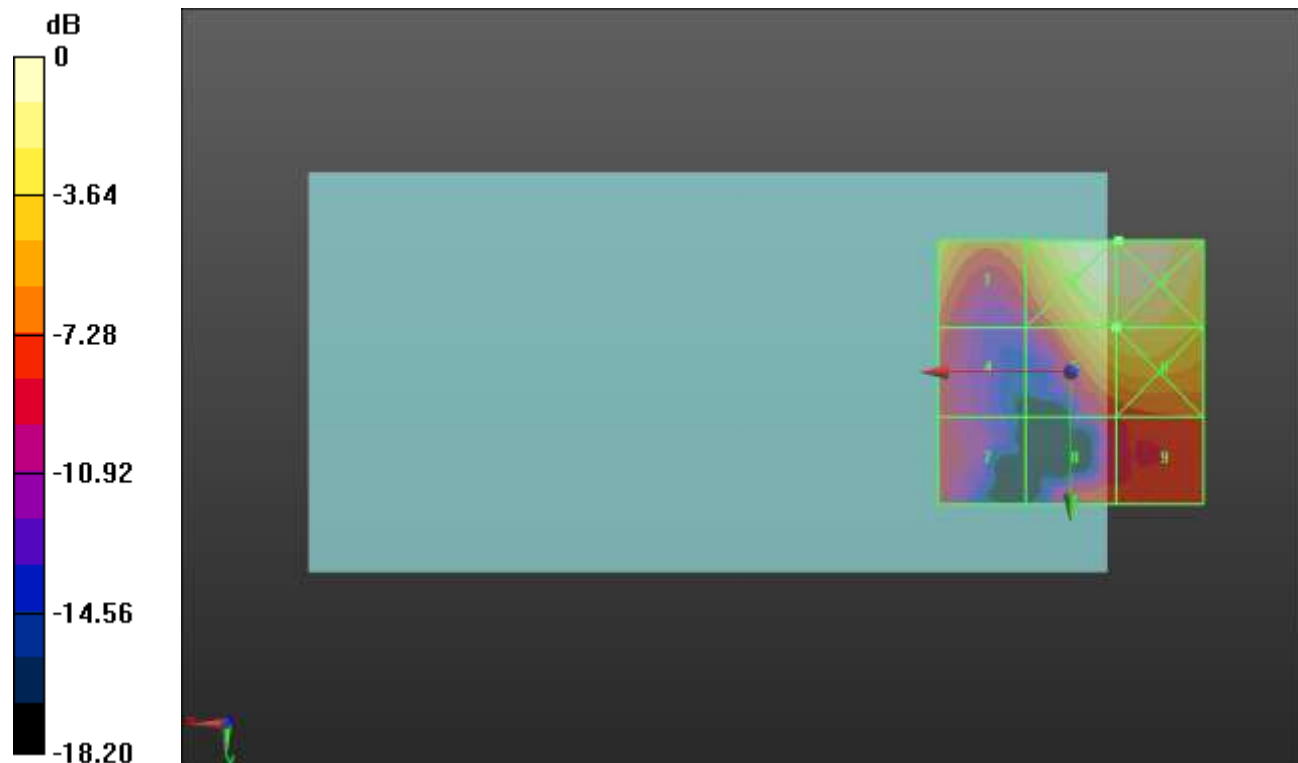
Applied MIF = -1.44 dB

RF audio interference level = 20.71 dBV/m

Emission category: **M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>19.7 dBV/m</b>  | Grid 2 <b>M4</b><br><b>23.22 dBV/m</b> | Grid 3 <b>M4</b><br><b>23.22 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>15.6 dBV/m</b>  | Grid 5 <b>M4</b><br><b>20.71 dBV/m</b> | Grid 6 <b>M4</b><br><b>20.97 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>14.61 dBV/m</b> | Grid 8 <b>M4</b><br><b>15.75 dBV/m</b> | Grid 9 <b>M4</b><br><b>16.1 dBV/m</b>  |



0 dB = 14.49 V/m = 23.22 dBV/m