

## HAC-RF Emission ANT1

Communication System: UID 10021 - CAA, 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) @ 824.2 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

## 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 = 50.10 V/m; Power Drift = 0.05 dB

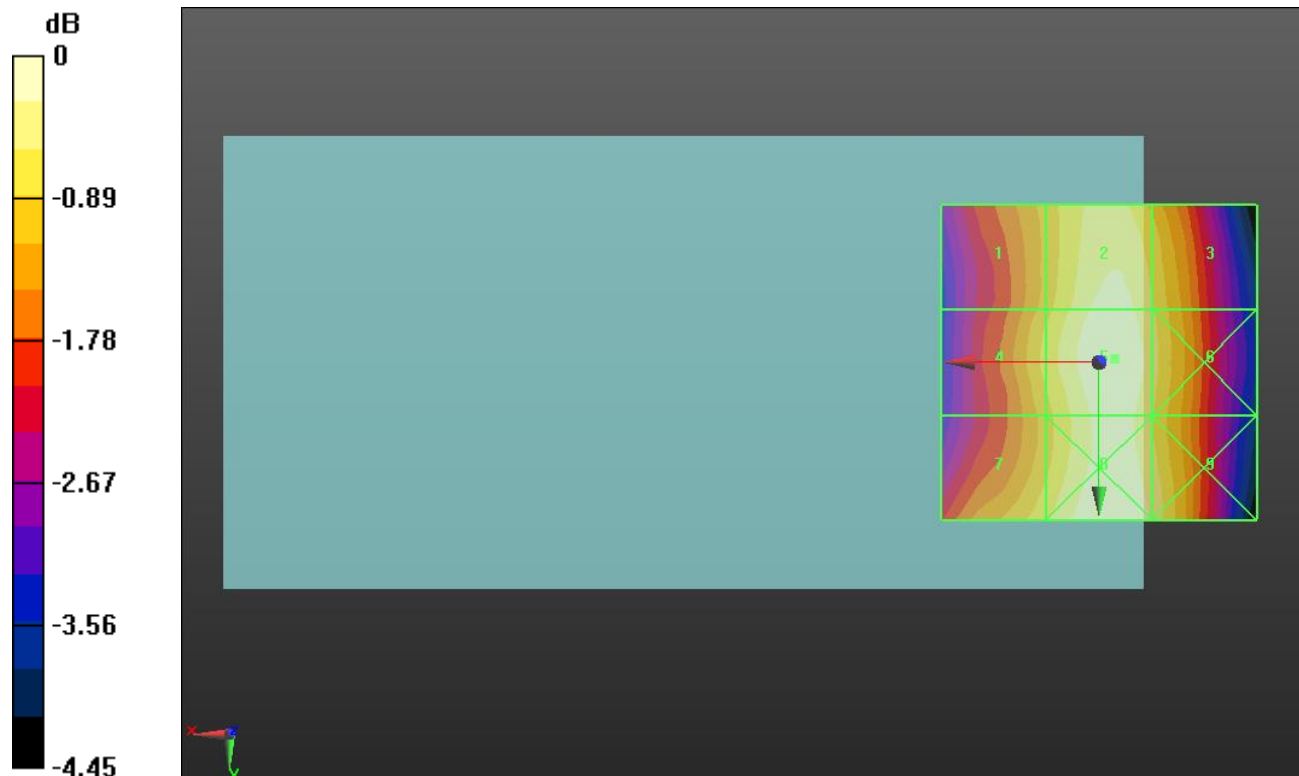
Applied MIF = 3.63 dB

RF audio interference level = 34.97 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>33.95 dBV/m</b> | Grid 2 <b>M4</b><br><b>34.79 dBV/m</b> | Grid 3 <b>M4</b><br><b>34.4 dBV/m</b>  |
| Grid 4 <b>M4</b><br><b>34.19 dBV/m</b> | Grid 5 <b>M4</b><br><b>34.97 dBV/m</b> | Grid 6 <b>M4</b><br><b>34.49 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>34.31 dBV/m</b> | Grid 8 <b>M4</b><br><b>34.96 dBV/m</b> | Grid 9 <b>M4</b><br><b>34.63 dBV/m</b> |



0 dB = 56.01 V/m = 34.97 dBV/m

## HAC-RF Emission ANT1

Communication System: UID 10021 - CAA, 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) @ 836.6 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

## 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 = 53.57 V/m; Power Drift = -0.04 dB

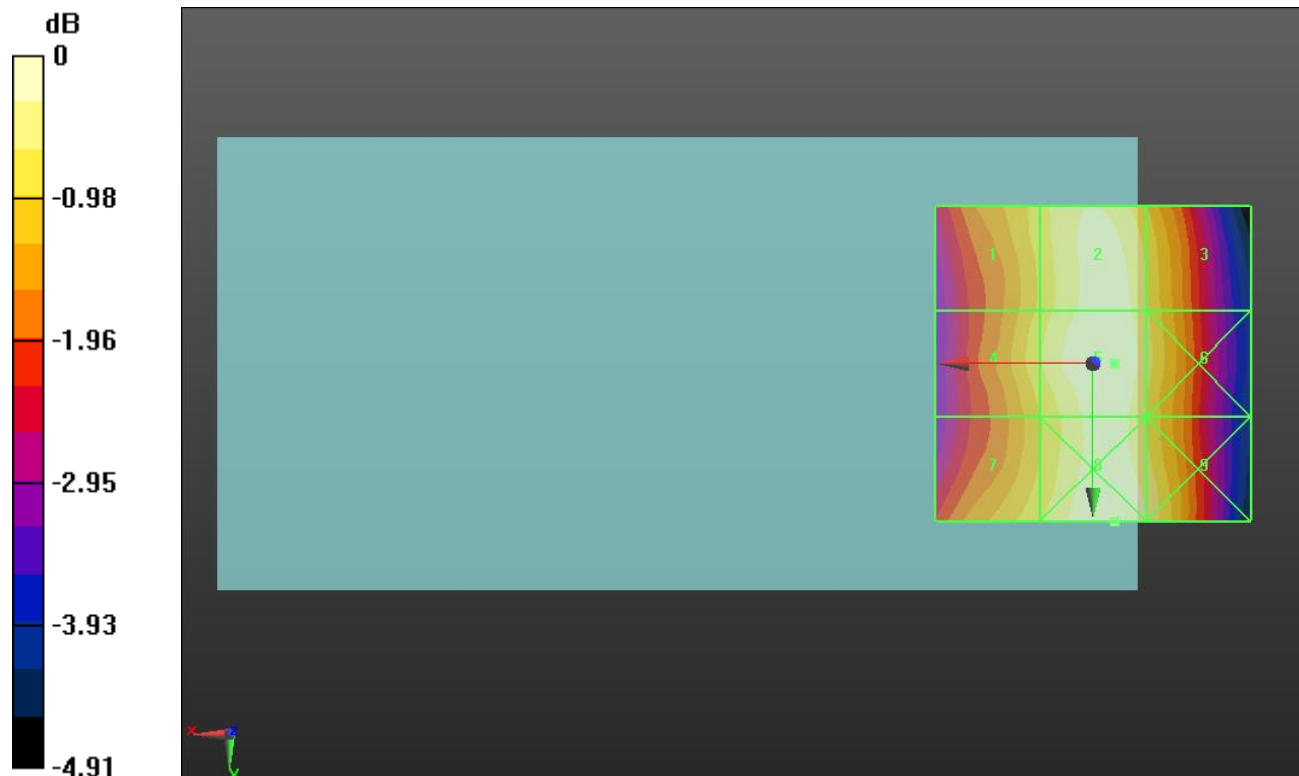
Applied MIF = 3.63 dB

RF audio interference level = 35.54 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>34.74 dBV/m</b> | Grid 2 <b>M4</b><br><b>35.41 dBV/m</b> | Grid 3 <b>M4</b><br><b>34.95 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>34.86 dBV/m</b> | Grid 5 <b>M4</b><br><b>35.54 dBV/m</b> | Grid 6 <b>M4</b><br><b>35.04 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>34.87 dBV/m</b> | Grid 8 <b>M4</b><br><b>35.56 dBV/m</b> | Grid 9 <b>M4</b><br><b>35.23 dBV/m</b> |



0 dB = 59.95 V/m = 35.56 dBV/m

## HAC-RF Emission ANT1

Communication System: UID 10021 - CAA, 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) @ 848.6 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

## 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 = 61.62 V/m; Power Drift = 0.06 dB

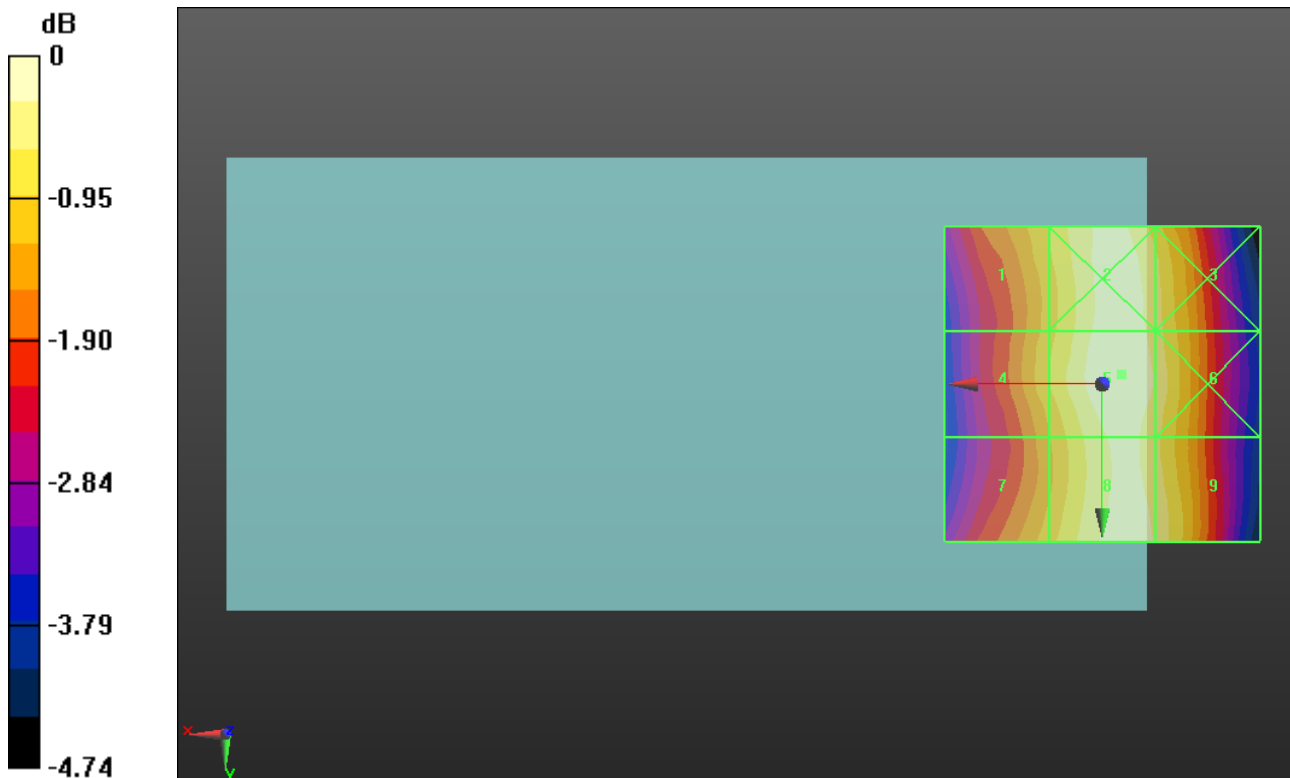
Applied MIF = 3.63 dB

RF audio interference level = 37.07 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>36.15 dBV/m</b> | Grid 2 <b>M4</b><br><b>36.96 dBV/m</b> | Grid 3 <b>M4</b><br><b>36.59 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>36.12 dBV/m</b> | Grid 5 <b>M4</b><br><b>37.07 dBV/m</b> | Grid 6 <b>M4</b><br><b>36.7 dBV/m</b>  |
| Grid 7 <b>M4</b><br><b>36 dBV/m</b>    | Grid 8 <b>M4</b><br><b>36.94 dBV/m</b> | Grid 9 <b>M4</b><br><b>36.71 dBV/m</b> |



0 dB = 71.35 V/m = 37.07 dBV/m

## HAC-RF Emission ANT1

Communication System: UID 10021 - CAA, 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) @ 1850.2 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

## 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 = 19.17 V/m; Power Drift = -0.05 dB

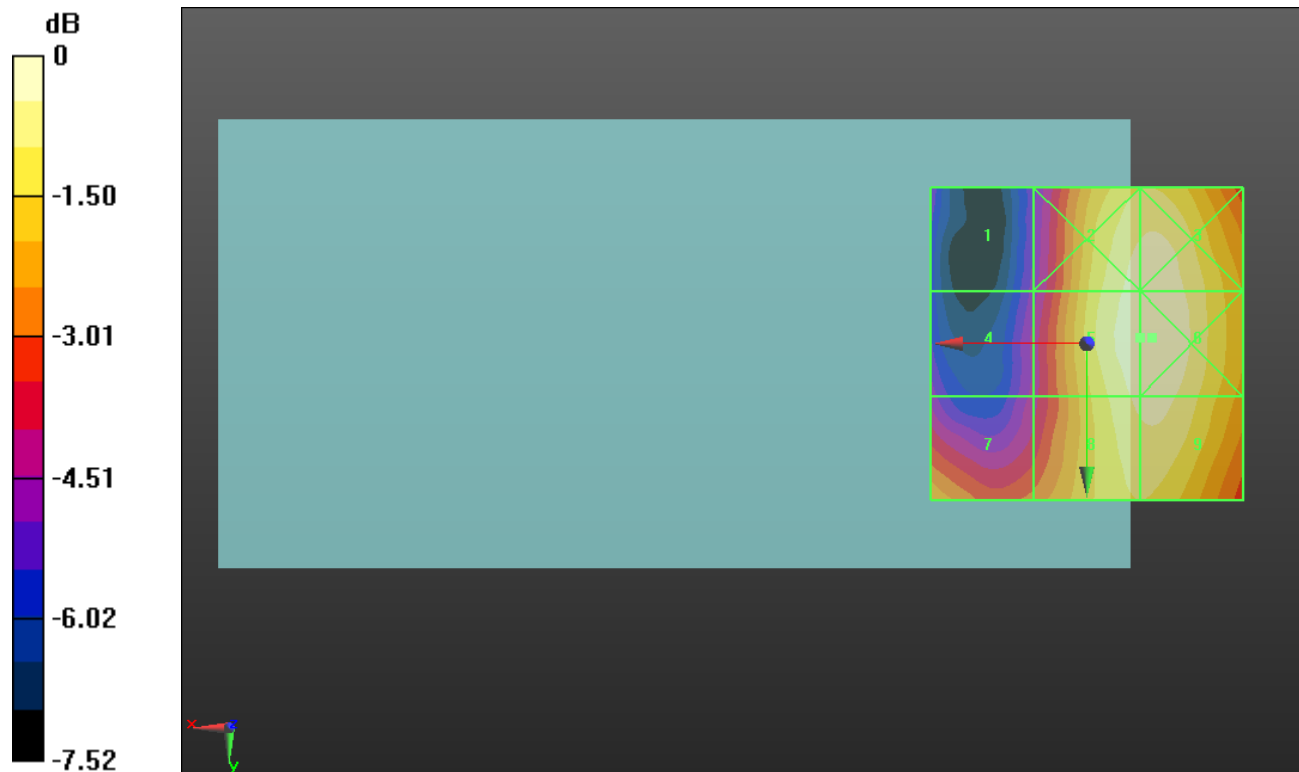
Applied MIF = 3.63 dB

RF audio interference level = 28.44 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>23.79 dBV/m</b> | Grid 2 <b>M4</b><br><b>28.29 dBV/m</b> | Grid 3 <b>M4</b><br><b>28.36 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>24.28 dBV/m</b> | Grid 5 <b>M4</b><br><b>28.44 dBV/m</b> | Grid 6 <b>M4</b><br><b>28.5 dBV/m</b>  |
| Grid 7 <b>M4</b><br><b>26.51 dBV/m</b> | Grid 8 <b>M4</b><br><b>28.15 dBV/m</b> | Grid 9 <b>M4</b><br><b>28.22 dBV/m</b> |



0 dB = 26.62 V/m = 28.50 dBV/m

## HAC-RF Emission ANT1

Communication System: UID 10021 - CAA, 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) @ 1880 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

## 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 = 17.70 V/m; Power Drift = -0.14 dB

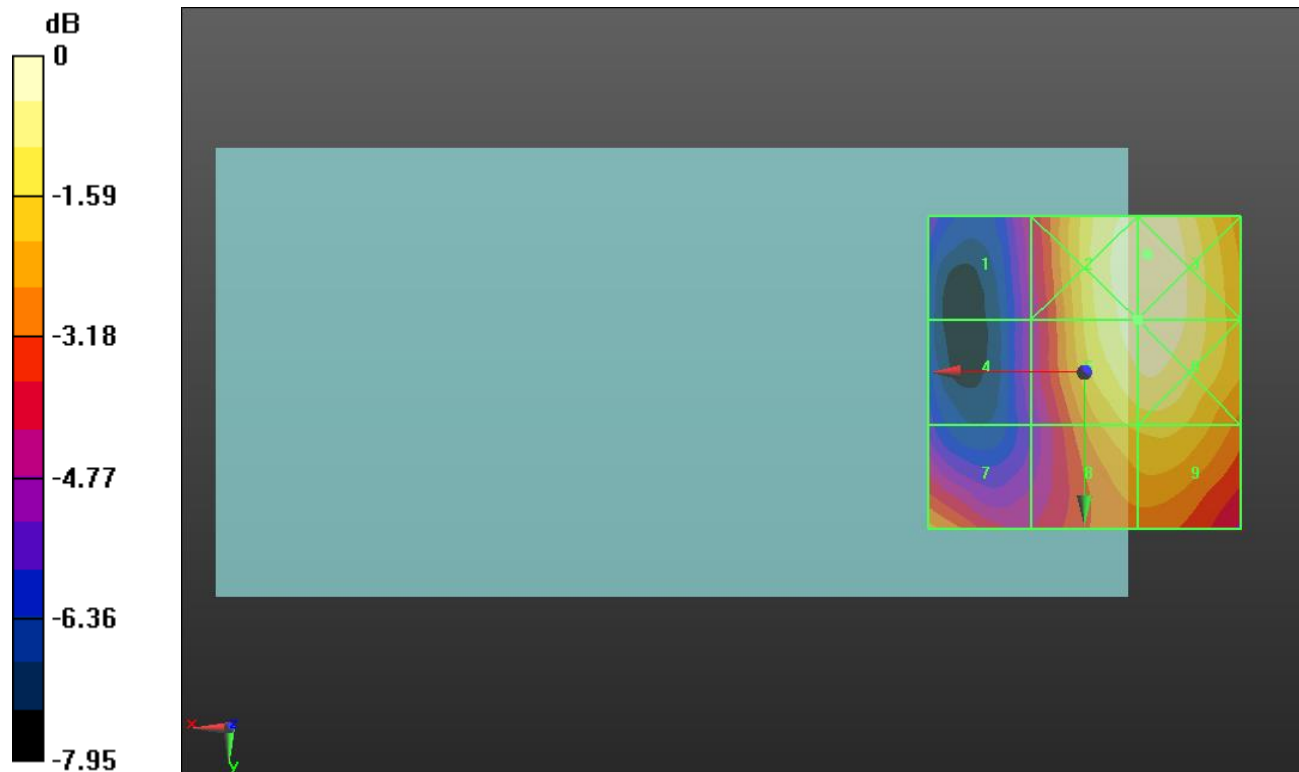
Applied MIF = 3.63 dB

RF audio interference level = 28.17 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>24.23 dBV/m</b> | Grid 2 <b>M4</b><br><b>28.36 dBV/m</b> | Grid 3 <b>M4</b><br><b>28.41 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>23.72 dBV/m</b> | Grid 5 <b>M4</b><br><b>28.17 dBV/m</b> | Grid 6 <b>M4</b><br><b>28.23 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>26.02 dBV/m</b> | Grid 8 <b>M4</b><br><b>26.94 dBV/m</b> | Grid 9 <b>M4</b><br><b>27.05 dBV/m</b> |



0 dB = 26.34 V/m = 28.41 dBV/m

## HAC-RF Emission ANT1

Communication System: UID 10021 - CAA, 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) @ 1909.8 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

## 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 = 13.60 V/m; Power Drift = -0.05 dB

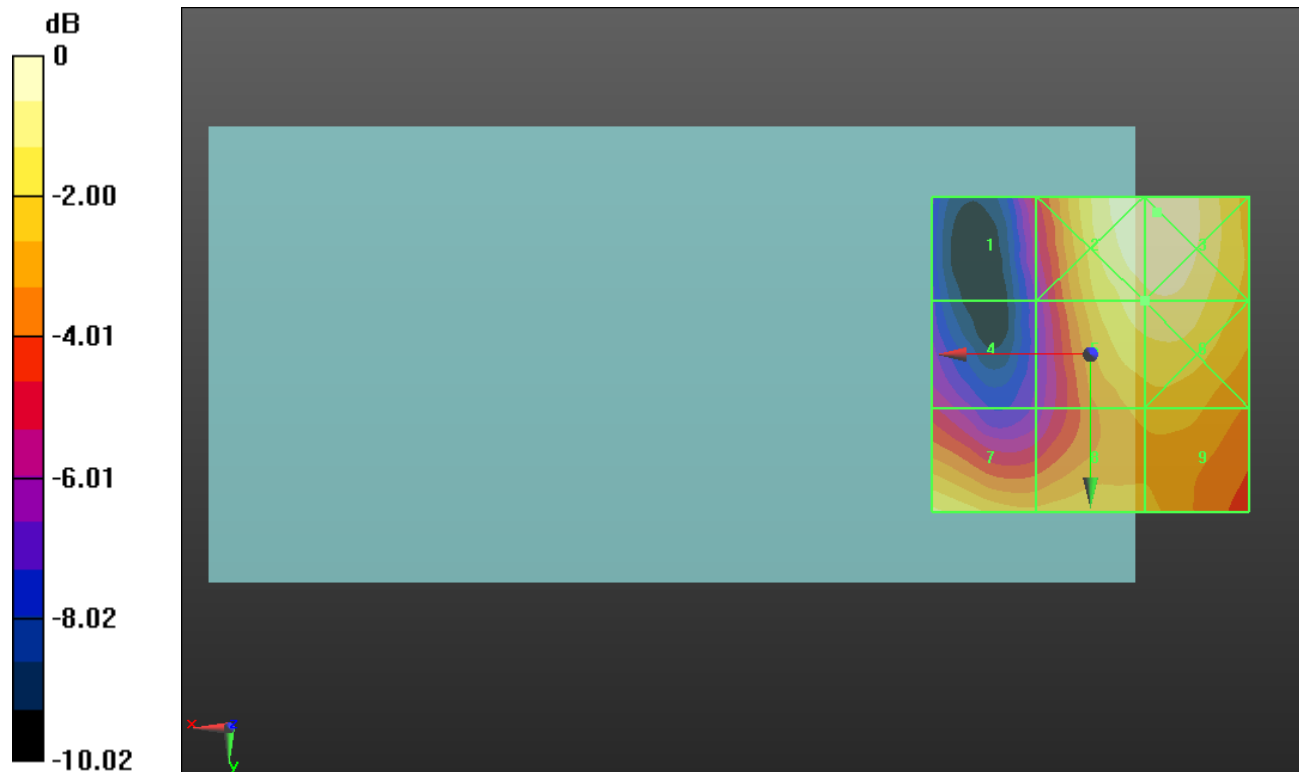
Applied MIF = 3.63 dB

RF audio interference level = 26.20 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                 |                                 |                                 |
|---------------------------------|---------------------------------|---------------------------------|
| Grid 1 <b>M4</b><br>22.34 dBV/m | Grid 2 <b>M4</b><br>27.04 dBV/m | Grid 3 <b>M4</b><br>27.07 dBV/m |
| Grid 4 <b>M4</b><br>21.95 dBV/m | Grid 5 <b>M4</b><br>26.21 dBV/m | Grid 6 <b>M4</b><br>26.34 dBV/m |
| Grid 7 <b>M4</b><br>25.95 dBV/m | Grid 8 <b>M4</b><br>24.88 dBV/m | Grid 9 <b>M4</b><br>24.77 dBV/m |



0 dB = 22.58 V/m = 27.07 dBV/m

## HAC-RF Emission ANT1

Communication System: UID 10295 - AAB, CDMA2000, RC1, SO3, 1/8th Rate 25 fr.; Frequency: 824.7 MHz; Duty Cycle: 1:17.746

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 824.7 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

## CDMA2000 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 = 18.05 V/m; Power Drift = -0.00 dB

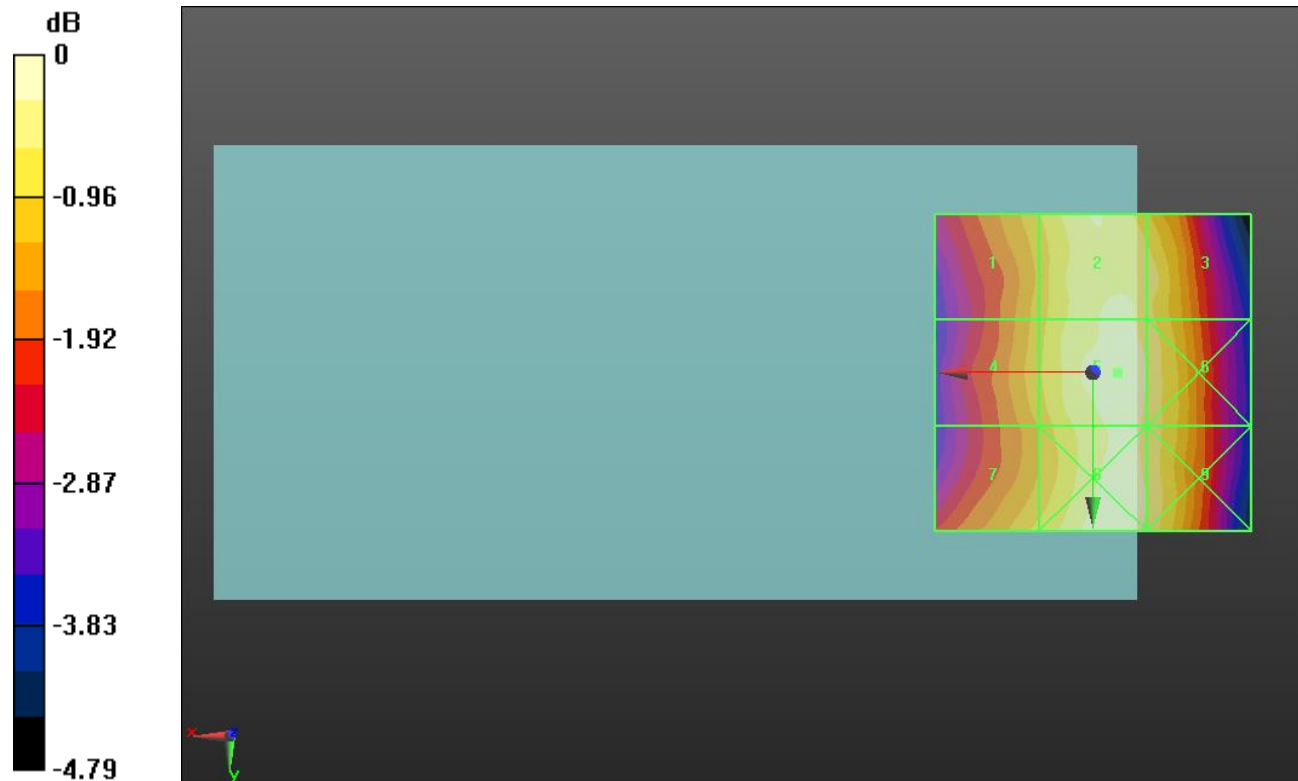
Applied MIF = 3.26 dB

RF audio interference level = 25.91 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>25.7 dBV/m</b>  | Grid 3 <b>M4</b><br><b>25.49 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>24.91 dBV/m</b> | Grid 5 <b>M4</b><br><b>25.91 dBV/m</b> | Grid 6 <b>M4</b><br><b>25.58 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>25.07 dBV/m</b> | Grid 8 <b>M4</b><br><b>25.79 dBV/m</b> | Grid 9 <b>M4</b><br><b>25.59 dBV/m</b> |



0 dB = 19.74 V/m = 25.91 dBV/m

## HAC-RF Emission ANT1

Communication System: UID 10295 - AAB, CDMA2000, RC1, SO3, 1/8th Rate 25 fr.; Frequency: 836.52 MHz; Duty Cycle: 1:17.746

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 836.52 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

## CDMA2000 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 = 17.81 V/m; Power Drift = -0.07 dB

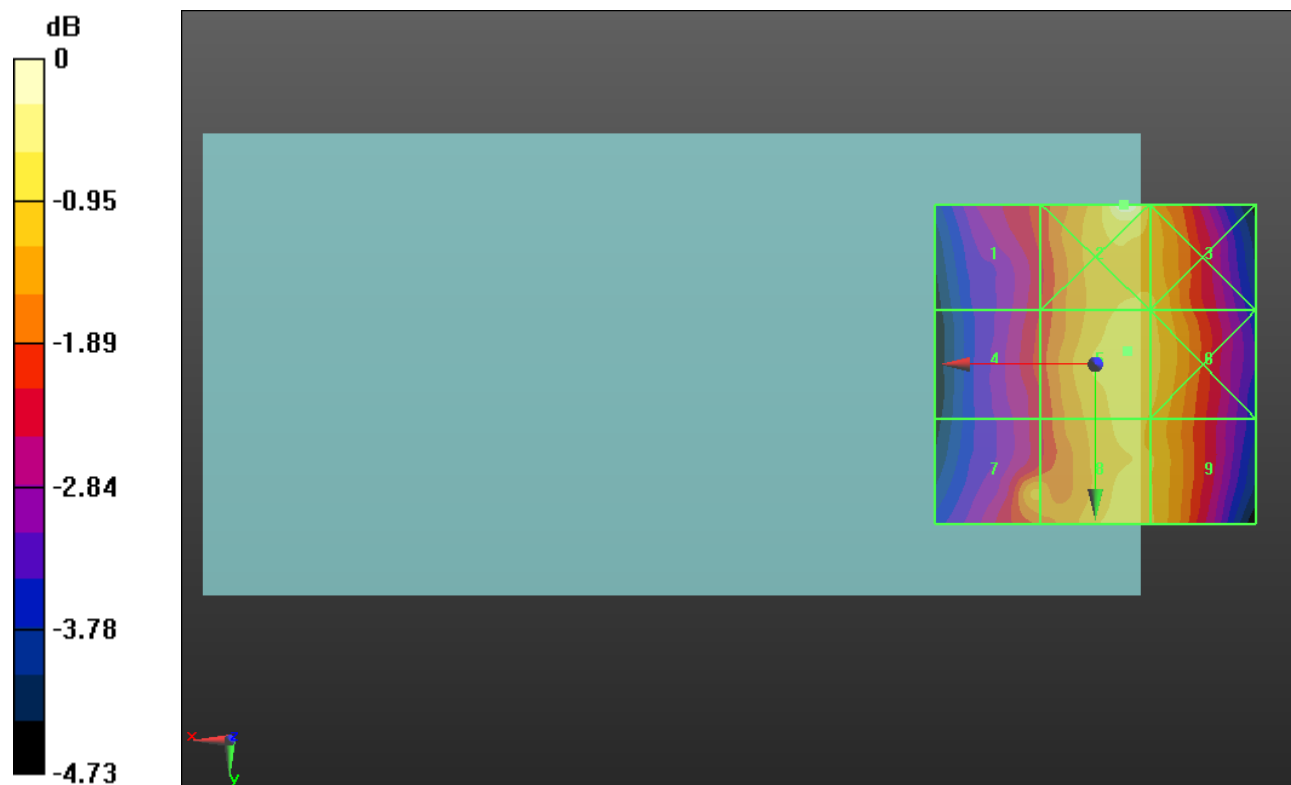
Applied MIF = 3.26 dB

RF audio interference level = 26.03 dBV/m

Emission category: **M4**

MIF scaled E-field

|                                 |                                 |                                 |
|---------------------------------|---------------------------------|---------------------------------|
| Grid 1 <b>M4</b><br>24.74 dBV/m | Grid 2 <b>M4</b><br>26.77 dBV/m | Grid 3 <b>M4</b><br>25.88 dBV/m |
| Grid 4 <b>M4</b><br>24.75 dBV/m | Grid 5 <b>M4</b><br>26.03 dBV/m | Grid 6 <b>M4</b><br>25.96 dBV/m |
| Grid 7 <b>M4</b><br>25.58 dBV/m | Grid 8 <b>M4</b><br>25.99 dBV/m | Grid 9 <b>M4</b><br>25.88 dBV/m |



0 dB = 21.79 V/m = 26.77 dBV/m

## HAC-RF Emission ANT1

Communication System: UID 10295 - AAB, CDMA2000, RC1, SO3, 1/8th Rate 25 fr.; Frequency: 848.31 MHz; Duty Cycle: 1:17.746

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 848.31 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

## CDMA2000 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 = 17.27 V/m; Power Drift = -0.01 dB

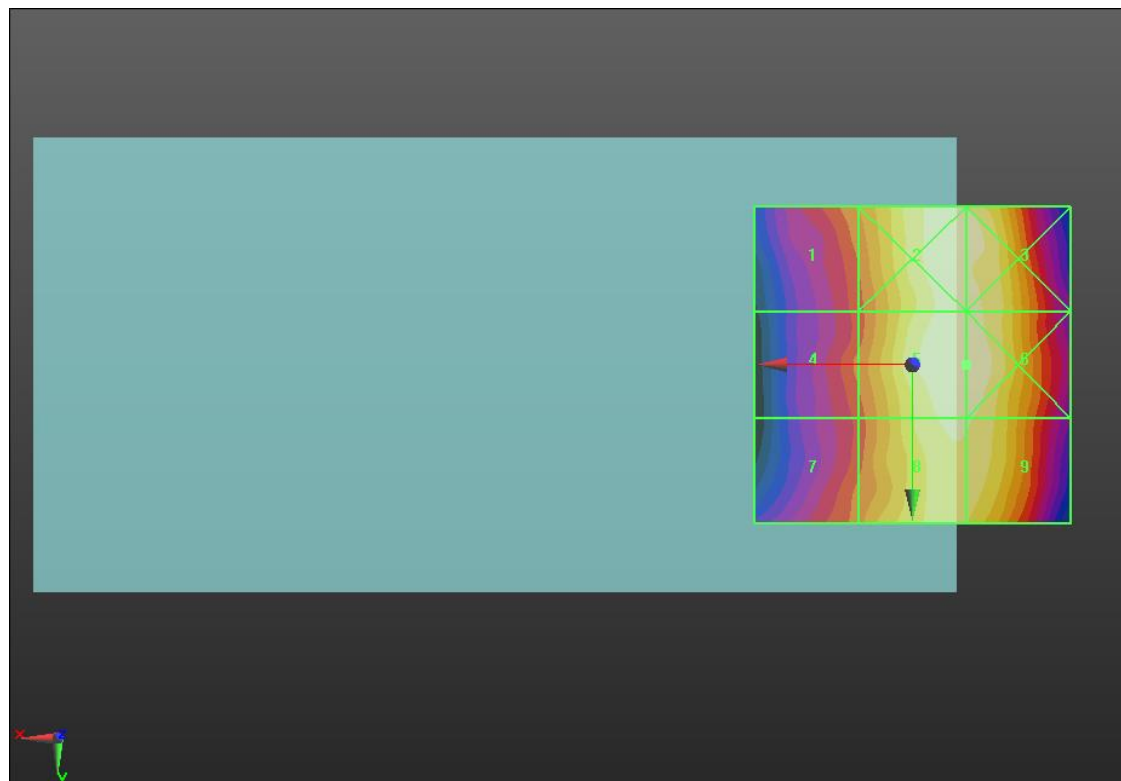
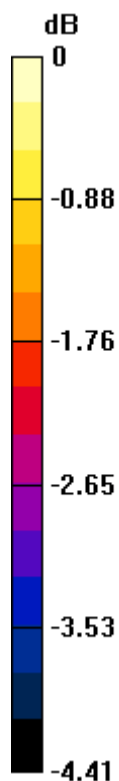
Applied MIF = 3.26 dB

RF audio interference level = 26.09 dBV/m

Emission category: **M4**

MIF scaled E-field

|                                 |                                 |                                 |
|---------------------------------|---------------------------------|---------------------------------|
| Grid 1 <b>M4</b><br>24.67 dBV/m | Grid 2 <b>M4</b><br>26.03 dBV/m | Grid 3 <b>M4</b><br>26.03 dBV/m |
| Grid 4 <b>M4</b><br>24.44 dBV/m | Grid 5 <b>M4</b><br>26.09 dBV/m | Grid 6 <b>M4</b><br>26.09 dBV/m |
| Grid 7 <b>M4</b><br>24.52 dBV/m | Grid 8 <b>M4</b><br>25.87 dBV/m | Grid 9 <b>M4</b><br>25.85 dBV/m |



0 dB = 20.16 V/m = 26.09 dBV/m

## HAC-RF Emission ANT1

Communication System: UID 10295 - AAB, CDMA2000, RC1, SO3, 1/8th Rate 25 fr.; Frequency: 1851.25 MHz; Duty Cycle: 1:17.746

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 1851.25 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

## CDMA2000 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 = 9.620 V/m; Power Drift = -0.20 dB

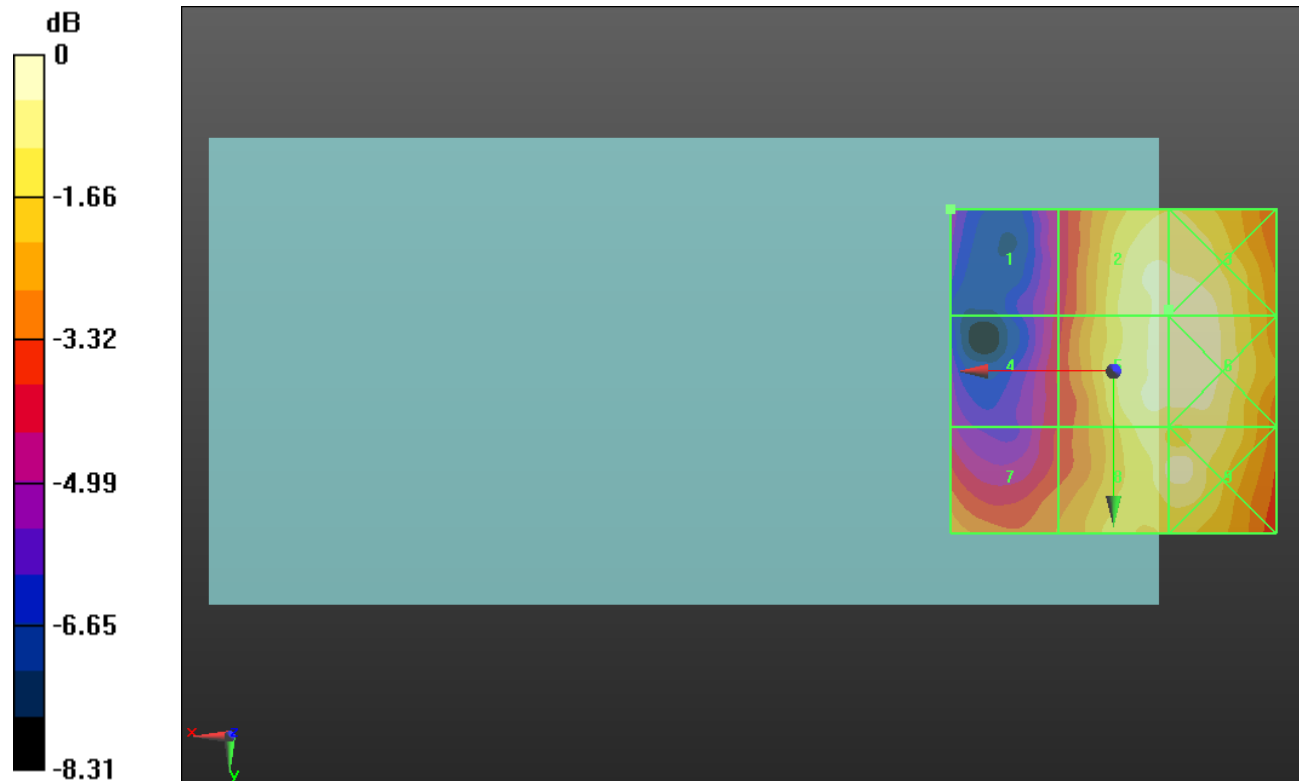
Applied MIF = 3.26 dB

RF audio interference level = 21.81 dBV/m

Emission category: **M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>17.77 dBV/m</b> | Grid 2 <b>M4</b><br><b>21.81 dBV/m</b> | Grid 3 <b>M4</b><br><b>21.93 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>18.16 dBV/m</b> | Grid 5 <b>M4</b><br><b>21.78 dBV/m</b> | Grid 6 <b>M4</b><br><b>21.9 dBV/m</b>  |
| Grid 7 <b>M4</b><br><b>19.67 dBV/m</b> | Grid 8 <b>M4</b><br><b>21.59 dBV/m</b> | Grid 9 <b>M4</b><br><b>21.83 dBV/m</b> |



0 dB = 12.48 V/m = 21.92 dBV/m

## HAC-RF Emission ANT1

Communication System: UID 10295 - AAB, CDMA2000, RC1, SO3, 1/8th Rate 25 fr.; Frequency: 1880 MHz; Duty Cycle: 1:17.746

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 1880 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

## CDMA2000 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 = 7.574 V/m; Power Drift = 0.01 dB

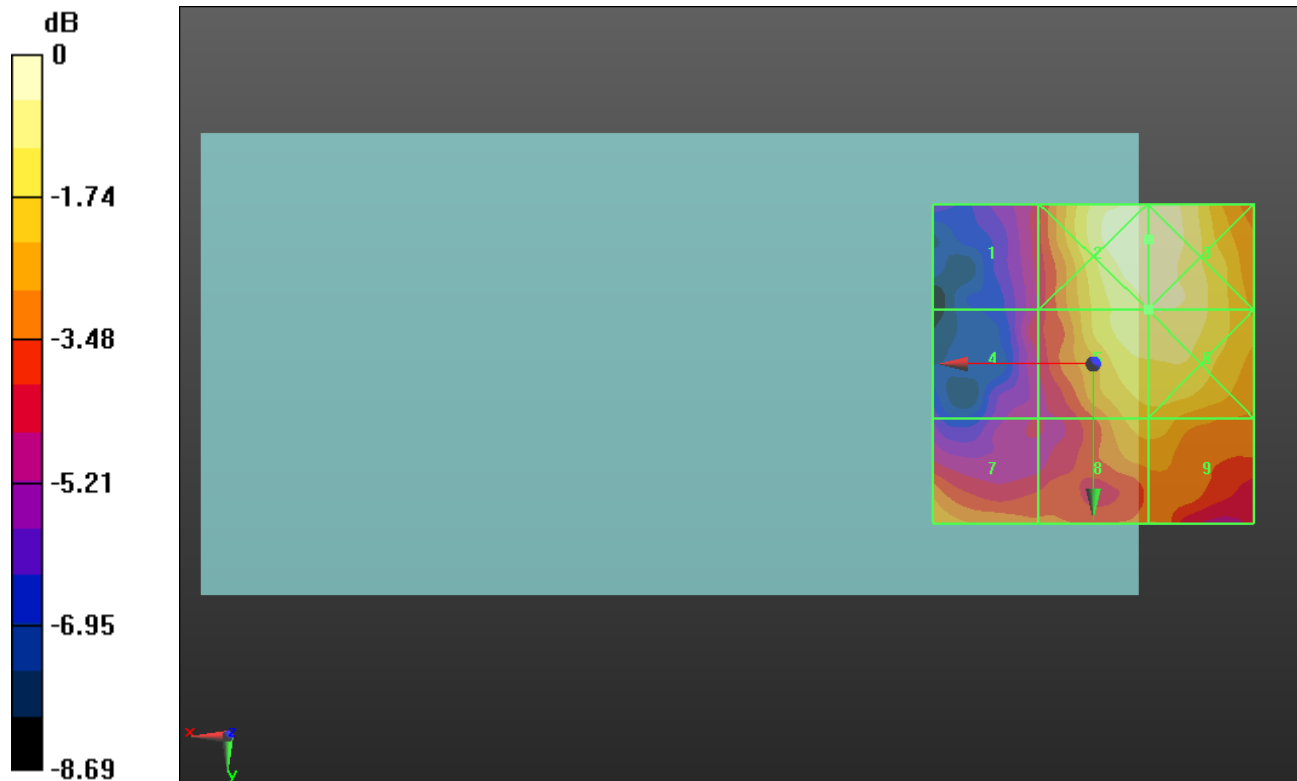
Applied MIF = 3.26 dB

RF audio interference level = 20.46 dBV/m

Emission category: **M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>16.95 dBV/m</b> | Grid 2 <b>M4</b><br><b>21.06 dBV/m</b> | Grid 3 <b>M4</b><br><b>21.06 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>16.93 dBV/m</b> | Grid 5 <b>M4</b><br><b>20.46 dBV/m</b> | Grid 6 <b>M4</b><br><b>20.52 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>18.88 dBV/m</b> | Grid 8 <b>M4</b><br><b>19.12 dBV/m</b> | Grid 9 <b>M4</b><br><b>19.13 dBV/m</b> |



0 dB = 11.30 V/m = 21.06 dBV/m

## HAC-RF Emission ANT1

Communication System: UID 10295 - AAB, CDMA2000, RC1, SO3, 1/8th Rate 25 fr.; Frequency: 1908.75 MHz; Duty Cycle: 1:17.746

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 1908.75 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

## CDMA2000 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 = 6.735 V/m; Power Drift = -0.14 dB

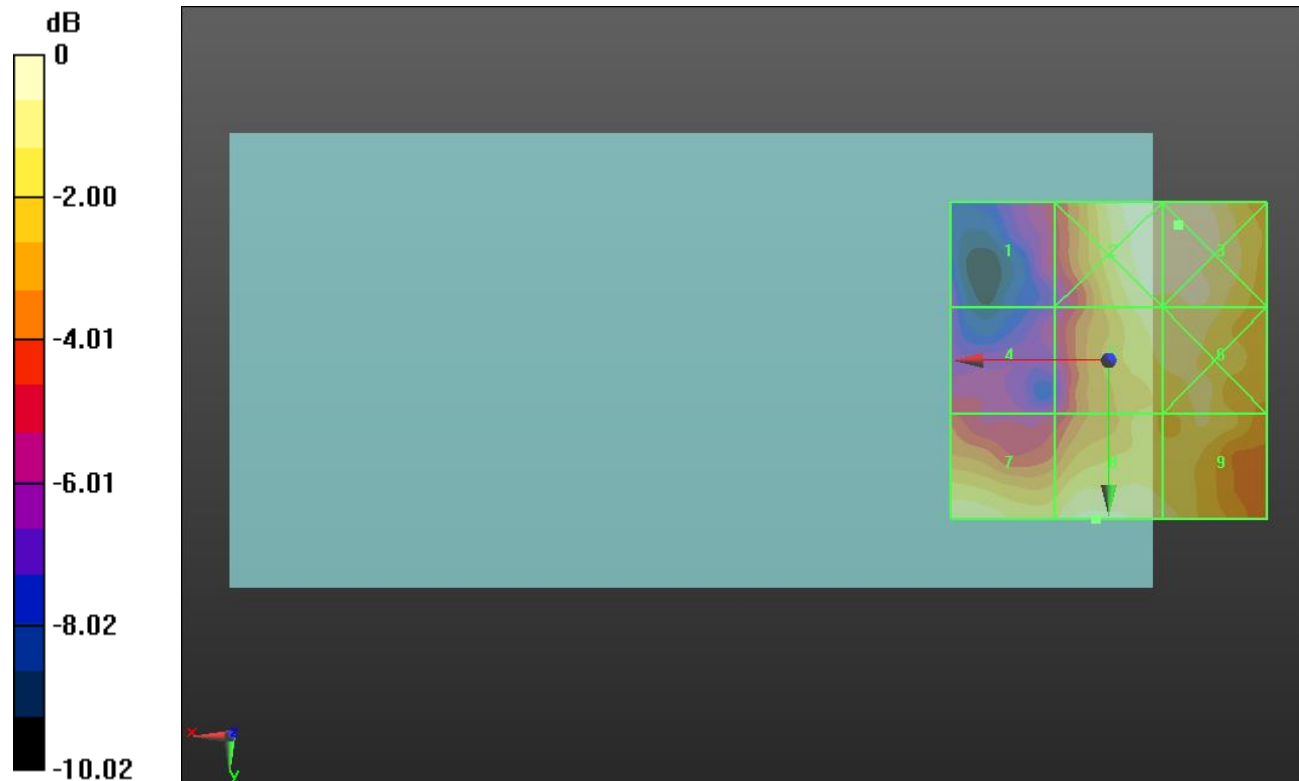
Applied MIF = 3.26 dB

RF audio interference level = 19.44 dBV/m

Emission category: **M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>15.09 dBV/m</b> | Grid 2 <b>M4</b><br><b>19.82 dBV/m</b> | Grid 3 <b>M4</b><br><b>19.86 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>15.4 dBV/m</b>  | Grid 5 <b>M4</b><br><b>19.02 dBV/m</b> | Grid 6 <b>M4</b><br><b>19.18 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>19.1 dBV/m</b>  | Grid 8 <b>M4</b><br><b>19.44 dBV/m</b> | Grid 9 <b>M4</b><br><b>18.89 dBV/m</b> |



0 dB = 9.841 V/m = 19.86 dBV/m

## HAC-RF Emission ANT1

Communication System: UID 10295 - AAB, CDMA2000, RC1, SO3, 1/8th Rate 25 fr.; Frequency: 817.3 MHz; Duty Cycle: 1:17.746

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 817.3 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

## CDMA2000 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 = 16.93 V/m; Power Drift = -0.01 dB

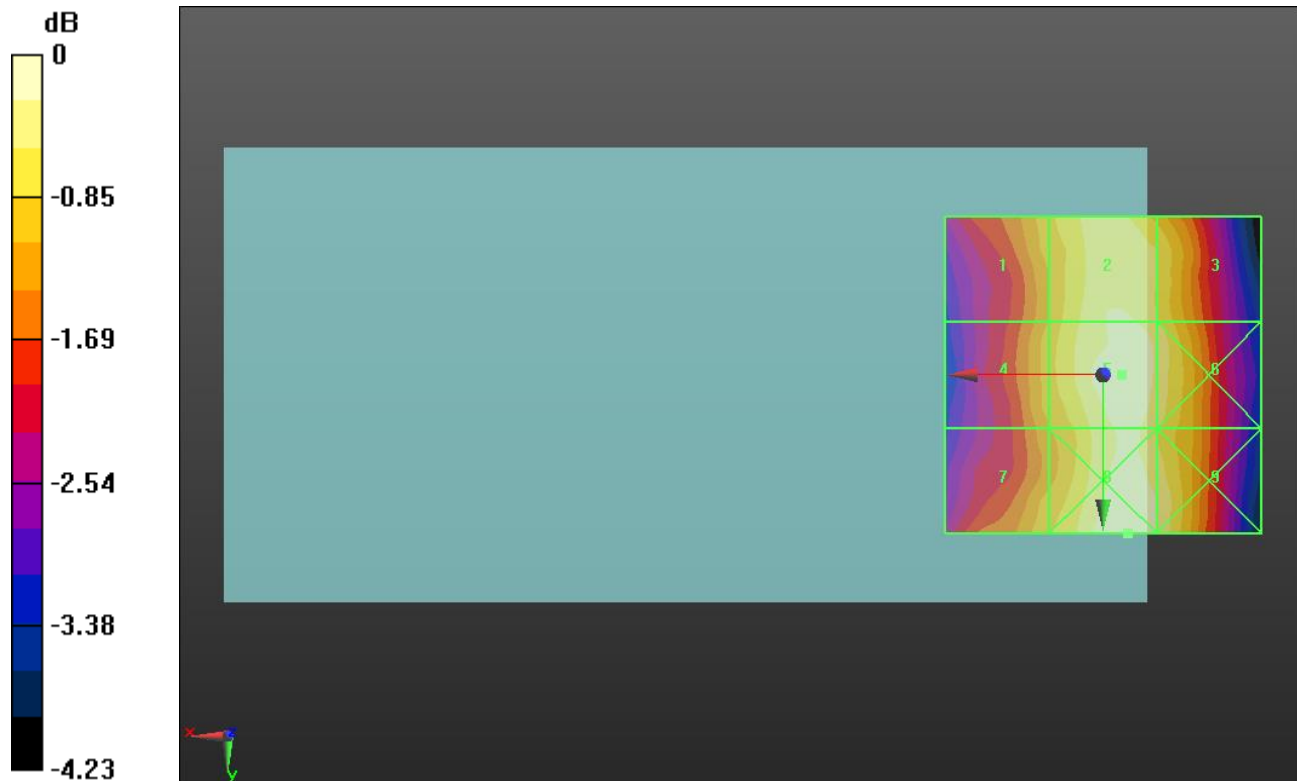
Applied MIF = 3.26 dB

RF audio interference level = 25.26 dBV/m

Emission category: **M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>24.41 dBV/m</b> | Grid 2 <b>M4</b><br><b>25.09 dBV/m</b> | Grid 3 <b>M4</b><br><b>24.81 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>24.37 dBV/m</b> | Grid 5 <b>M4</b><br><b>25.26 dBV/m</b> | Grid 6 <b>M4</b><br><b>25 dBV/m</b>    |
| Grid 7 <b>M4</b><br><b>24.45 dBV/m</b> | Grid 8 <b>M4</b><br><b>25.32 dBV/m</b> | Grid 9 <b>M4</b><br><b>25.05 dBV/m</b> |



0 dB = 18.46 V/m = 25.32 dBV/m

## HAC-RF Emission ANT1

Communication System: UID 10295 - AAB, CDMA2000, RC1, SO3, 1/8th Rate 25 fr.; Frequency: 820 MHz; Duty Cycle: 1:17.746

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 820 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

## CDMA2000 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 = 17.61 V/m; Power Drift = 0.01 dB

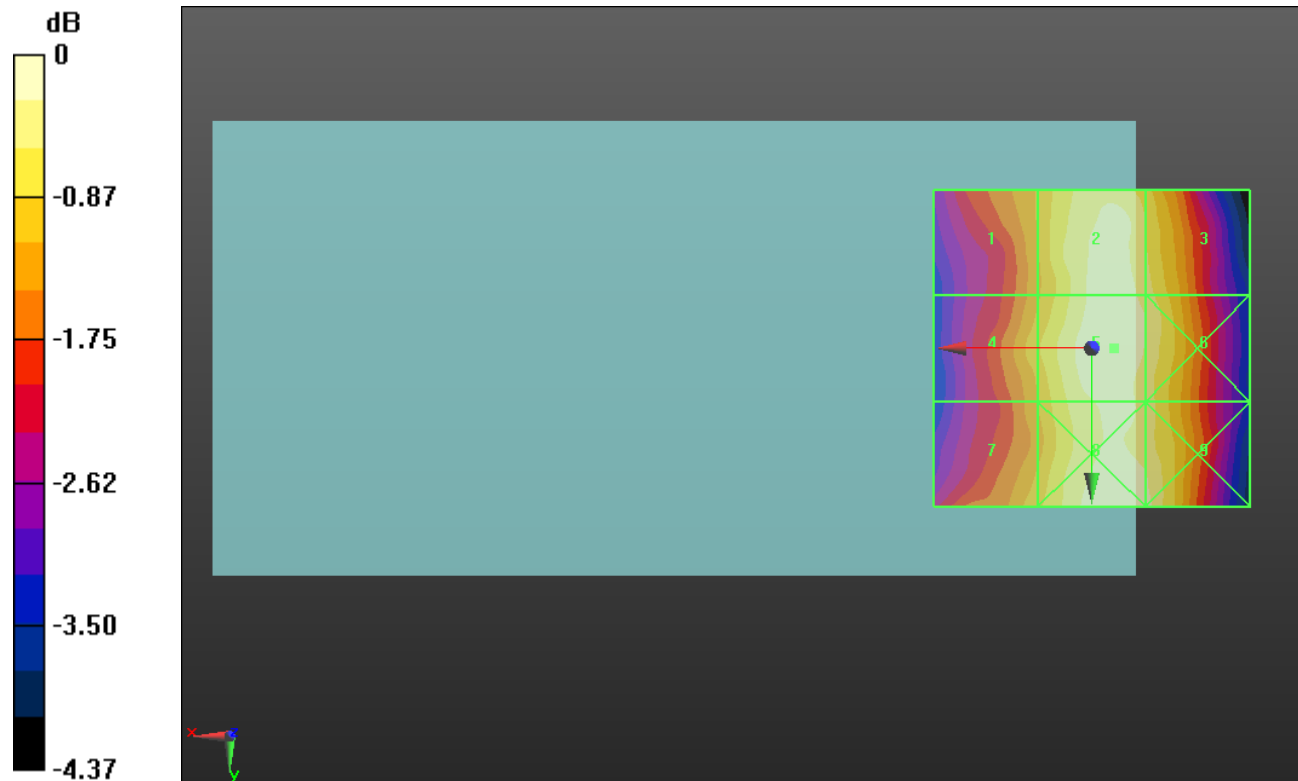
Applied MIF = 3.26 dB

RF audio interference level = 25.71 dBV/m

Emission category: **M4**

MIF scaled E-field

|                                 |                                 |                                 |
|---------------------------------|---------------------------------|---------------------------------|
| Grid 1 <b>M4</b><br>24.6 dBV/m  | Grid 2 <b>M4</b><br>25.59 dBV/m | Grid 3 <b>M4</b><br>25.29 dBV/m |
| Grid 4 <b>M4</b><br>24.81 dBV/m | Grid 5 <b>M4</b><br>25.71 dBV/m | Grid 6 <b>M4</b><br>25.43 dBV/m |
| Grid 7 <b>M4</b><br>24.77 dBV/m | Grid 8 <b>M4</b><br>25.67 dBV/m | Grid 9 <b>M4</b><br>25.52 dBV/m |



0 dB = 19.30 V/m = 25.71 dBV/m

## HAC-RF Emission ANT1

Communication System: UID 10295 - AAB, CDMA2000, RC1, SO3, 1/8th Rate 25 fr.; Frequency: 822.75 MHz; Duty Cycle: 1:17.746

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 822.75 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2);SEMCAD X Version 14.6.12 (7470)

## CDMA2000 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 = 17.68 V/m; Power Drift = -0.02 dB

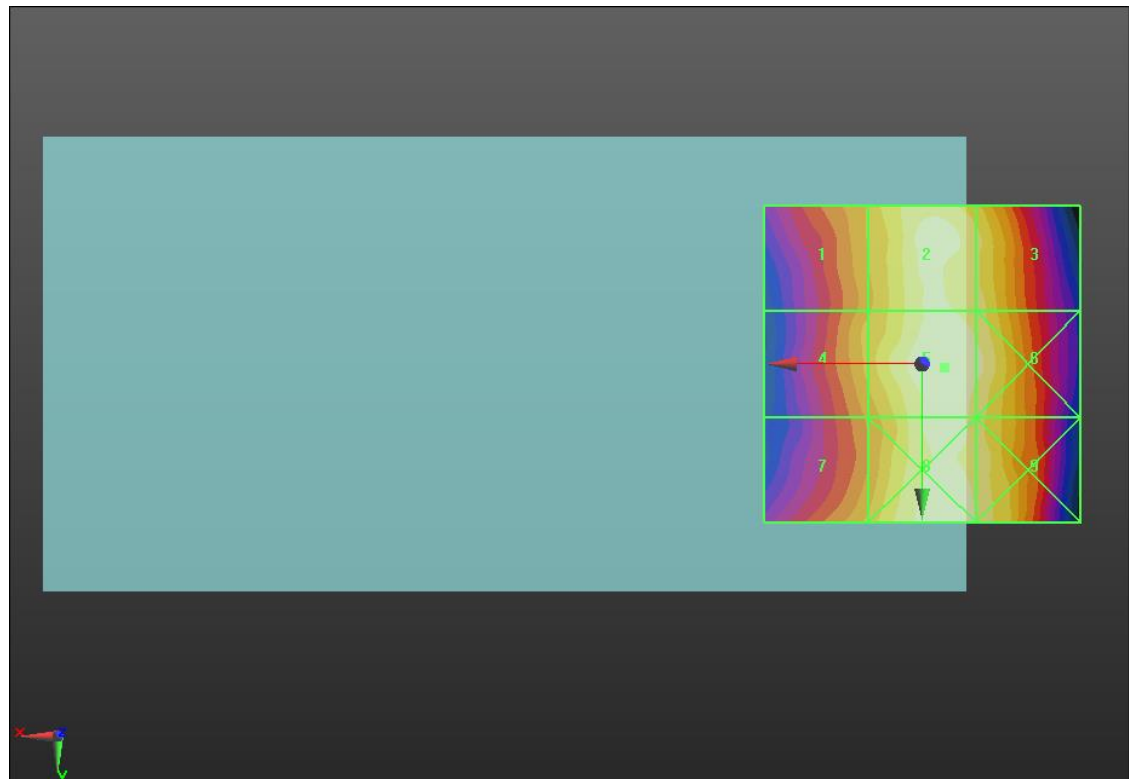
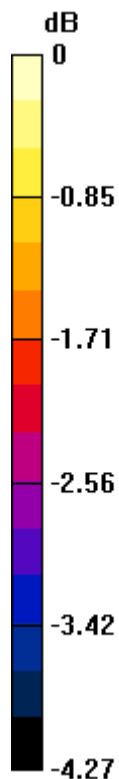
Applied MIF = 3.26 dB

RF audio interference level = 25.76 dBV/m

Emission category: **M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>24.67 dBV/m</b> | Grid 2 <b>M4</b><br><b>25.61 dBV/m</b> | Grid 3 <b>M4</b><br><b>25.34 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>24.75 dBV/m</b> | Grid 5 <b>M4</b><br><b>25.76 dBV/m</b> | Grid 6 <b>M4</b><br><b>25.59 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>24.72 dBV/m</b> | Grid 8 <b>M4</b><br><b>25.73 dBV/m</b> | Grid 9 <b>M4</b><br><b>25.48 dBV/m</b> |



0 dB = 19.40 V/m = 25.76 dBV/m

## HAC-RF Emission ANT1

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 2506 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

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

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 7.169 V/m; Power Drift = -0.04 dB

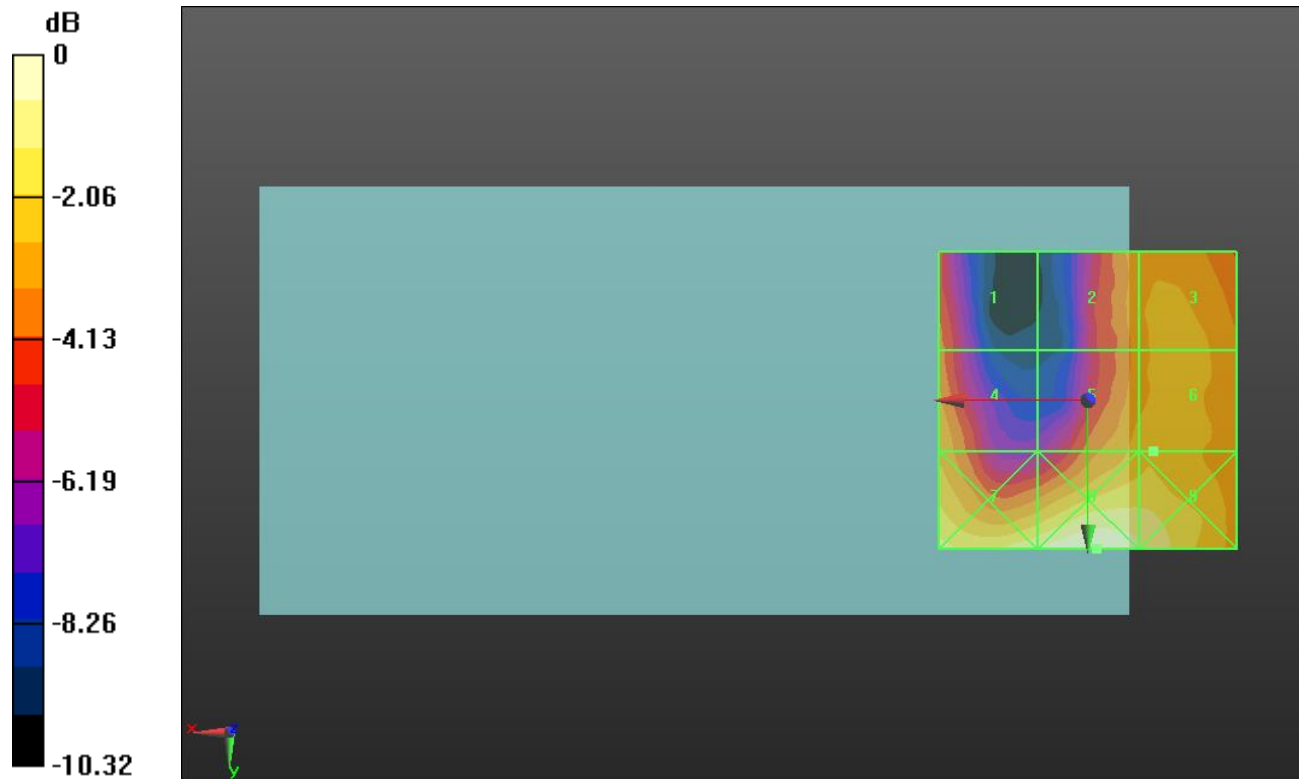
Applied MIF = -1.44 dB

RF audio interference level = 17.81 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>16.23 dBV/m</b> | Grid 2 <b>M4</b><br><b>17.09 dBV/m</b> | Grid 3 <b>M4</b><br><b>17.49 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>17.21 dBV/m</b> | Grid 5 <b>M4</b><br><b>17.64 dBV/m</b> | Grid 6 <b>M4</b><br><b>17.81 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>19.43 dBV/m</b> | Grid 8 <b>M4</b><br><b>20.04 dBV/m</b> | Grid 9 <b>M4</b><br><b>19.42 dBV/m</b> |



0 dB = 10.04 V/m = 20.03 dBV/m

## HAC-RF Emission ANT1

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 2549.5 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

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

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 8.312 V/m; Power Drift = -0.19 dB

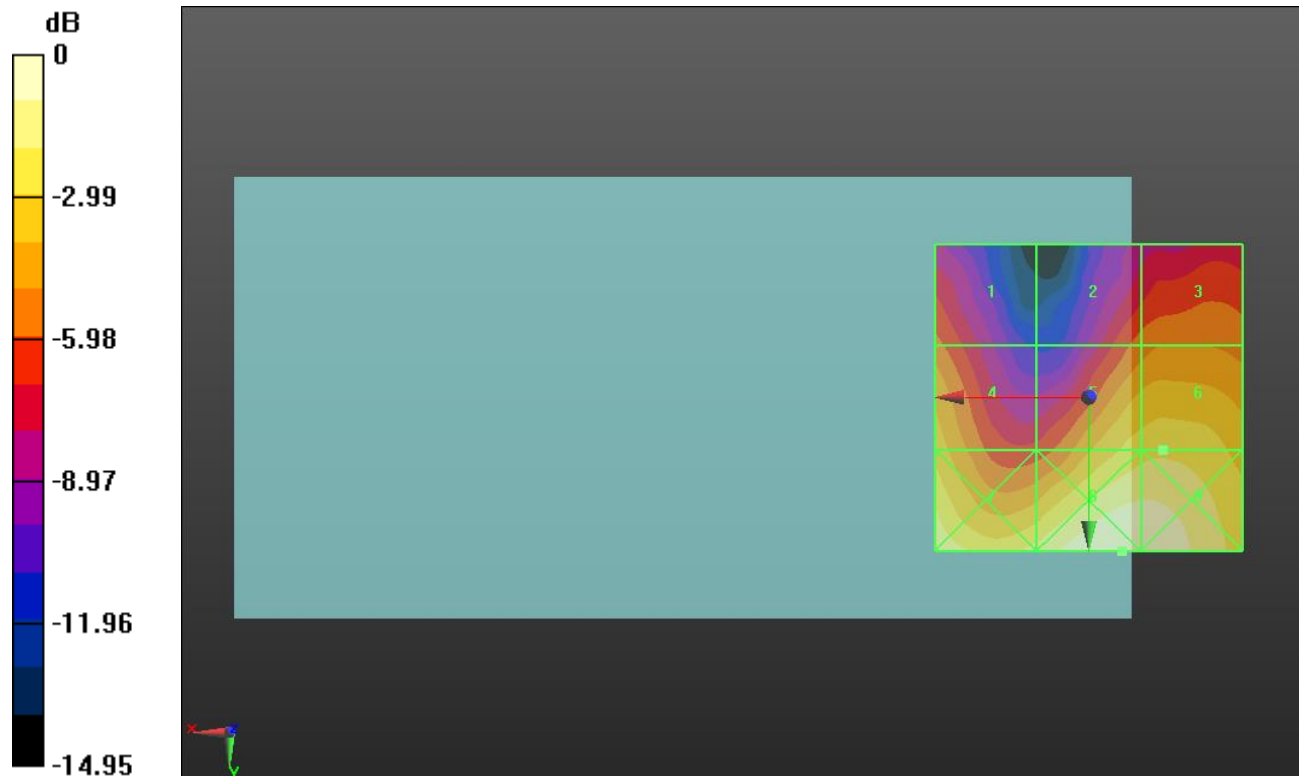
Applied MIF = -1.44 dB

RF audio interference level = 19.72 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>16.37 dBV/m</b> | Grid 2 <b>M4</b><br><b>16.47 dBV/m</b> | Grid 3 <b>M4</b><br><b>16.95 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>18.65 dBV/m</b> | Grid 5 <b>M4</b><br><b>19.51 dBV/m</b> | Grid 6 <b>M4</b><br><b>19.72 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>20.88 dBV/m</b> | Grid 8 <b>M4</b><br><b>21.91 dBV/m</b> | Grid 9 <b>M4</b><br><b>21.79 dBV/m</b> |



0 dB = 12.47 V/m = 21.92 dBV/m

## HAC-RF Emission ANT1

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 2593 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

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

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 9.781 V/m; Power Drift = -0.18 dB

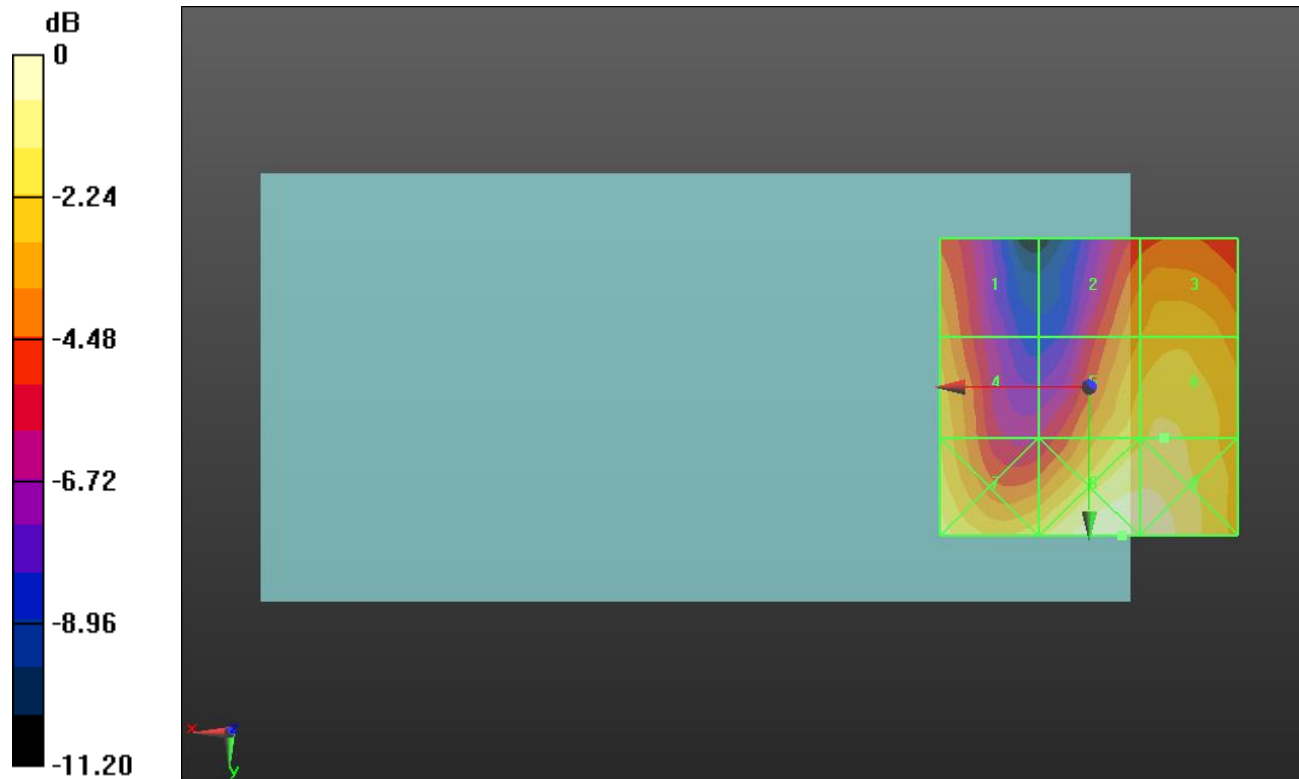
Applied MIF = -1.44 dB

RF audio interference level = 20.55 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>18.7 dBV/m</b>  | Grid 2 <b>M4</b><br><b>18.9 dBV/m</b>  | Grid 3 <b>M4</b><br><b>19.47 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>19.62 dBV/m</b> | Grid 5 <b>M4</b><br><b>20.28 dBV/m</b> | Grid 6 <b>M4</b><br><b>20.55 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>20.79 dBV/m</b> | Grid 8 <b>M4</b><br><b>21.89 dBV/m</b> | Grid 9 <b>M4</b><br><b>21.8 dBV/m</b>  |



0 dB = 12.44 V/m = 21.90 dBV/m

## HAC-RF Emission ANT1

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 2636.5 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

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

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 8.312 V/m; Power Drift = -0.18 dB

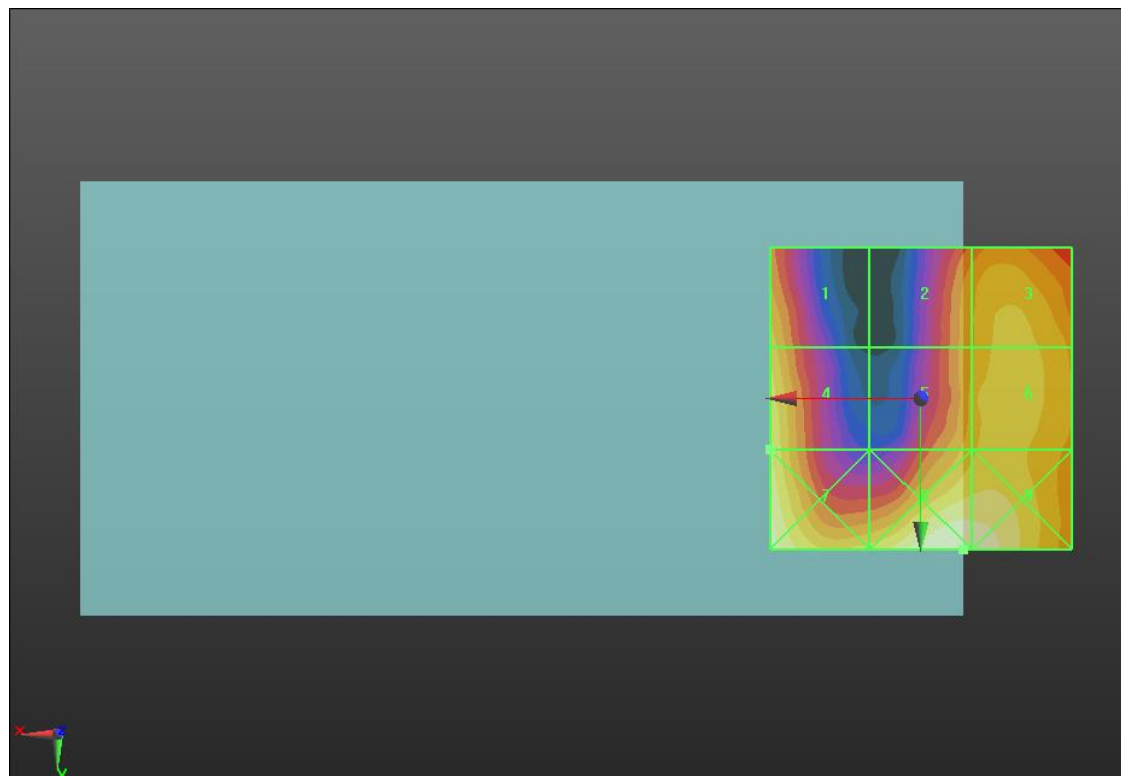
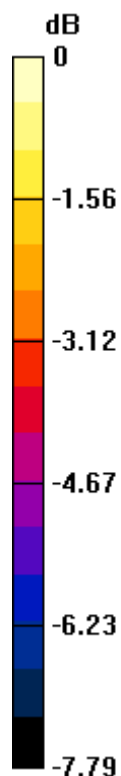
Applied MIF = -1.44 dB

RF audio interference level = 20.00 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>19.22 dBV/m</b> | Grid 2 <b>M4</b><br><b>18.8 dBV/m</b>  | Grid 3 <b>M4</b><br><b>19.61 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>20 dBV/m</b>    | Grid 5 <b>M4</b><br><b>19.23 dBV/m</b> | Grid 6 <b>M4</b><br><b>19.68 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>20.8 dBV/m</b>  | Grid 8 <b>M4</b><br><b>20.91 dBV/m</b> | Grid 9 <b>M4</b><br><b>20.89 dBV/m</b> |



0 dB = 11.10 V/m = 20.91 dBV/m

## HAC-RF Emission ANT1

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 2680 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

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

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 8.814 V/m; Power Drift = -0.19 dB

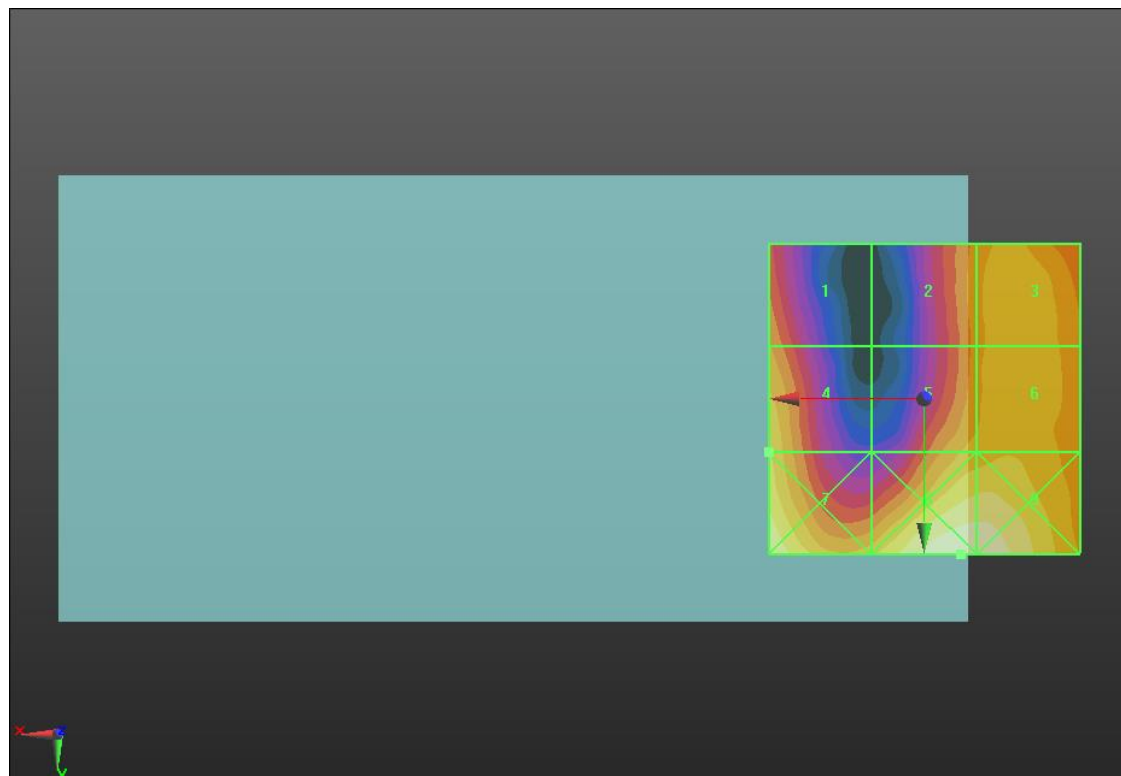
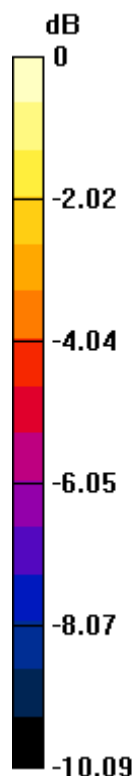
Applied MIF = -1.44 dB

RF audio interference level = 20.05 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>18.73 dBV/m</b> | Grid 2 <b>M4</b><br><b>19.06 dBV/m</b> | Grid 3 <b>M4</b><br><b>19.78 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>20.05 dBV/m</b> | Grid 5 <b>M4</b><br><b>19.6 dBV/m</b>  | Grid 6 <b>M4</b><br><b>19.9 dBV/m</b>  |
| Grid 7 <b>M4</b><br><b>21.37 dBV/m</b> | Grid 8 <b>M4</b><br><b>21.95 dBV/m</b> | Grid 9 <b>M4</b><br><b>21.86 dBV/m</b> |



0 dB = 12.52 V/m = 21.95 dBV/m

# HAC-RF Emission ANT1

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 2506 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

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

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 15.72 V/m; Power Drift = -0.06 dB

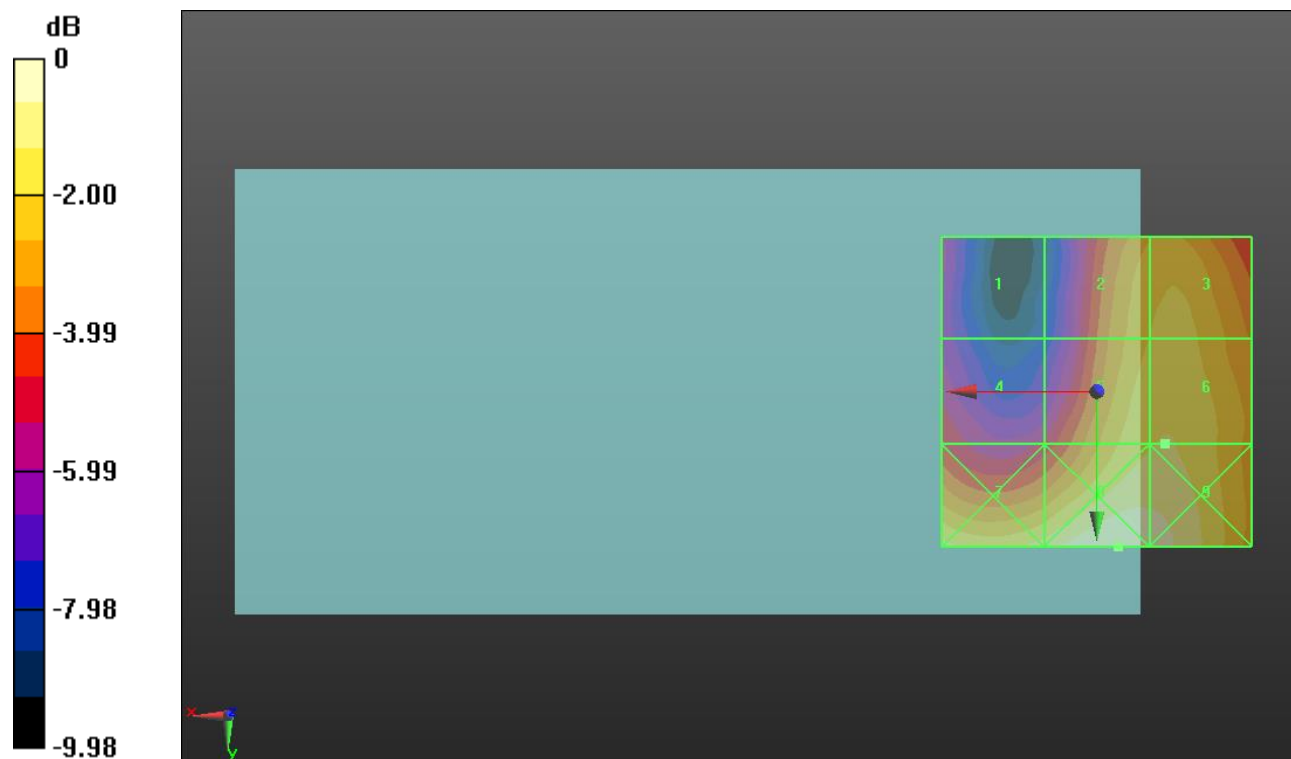
Applied MIF = -1.44 dB

RF audio interference level = 22.74 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>18.38 dBV/m</b> | Grid 2 <b>M4</b><br><b>22.07 dBV/m</b> | Grid 3 <b>M4</b><br><b>22.29 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>19.55 dBV/m</b> | Grid 5 <b>M4</b><br><b>22.66 dBV/m</b> | Grid 6 <b>M4</b><br><b>22.74 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>23.06 dBV/m</b> | Grid 8 <b>M4</b><br><b>24.03 dBV/m</b> | Grid 9 <b>M4</b><br><b>23.78 dBV/m</b> |



0 dB = 15.91 V/m = 24.03 dBV/m

## HAC-RF Emission ANT1

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 2549.5 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 15.12 V/m; Power Drift = -0.16 dB

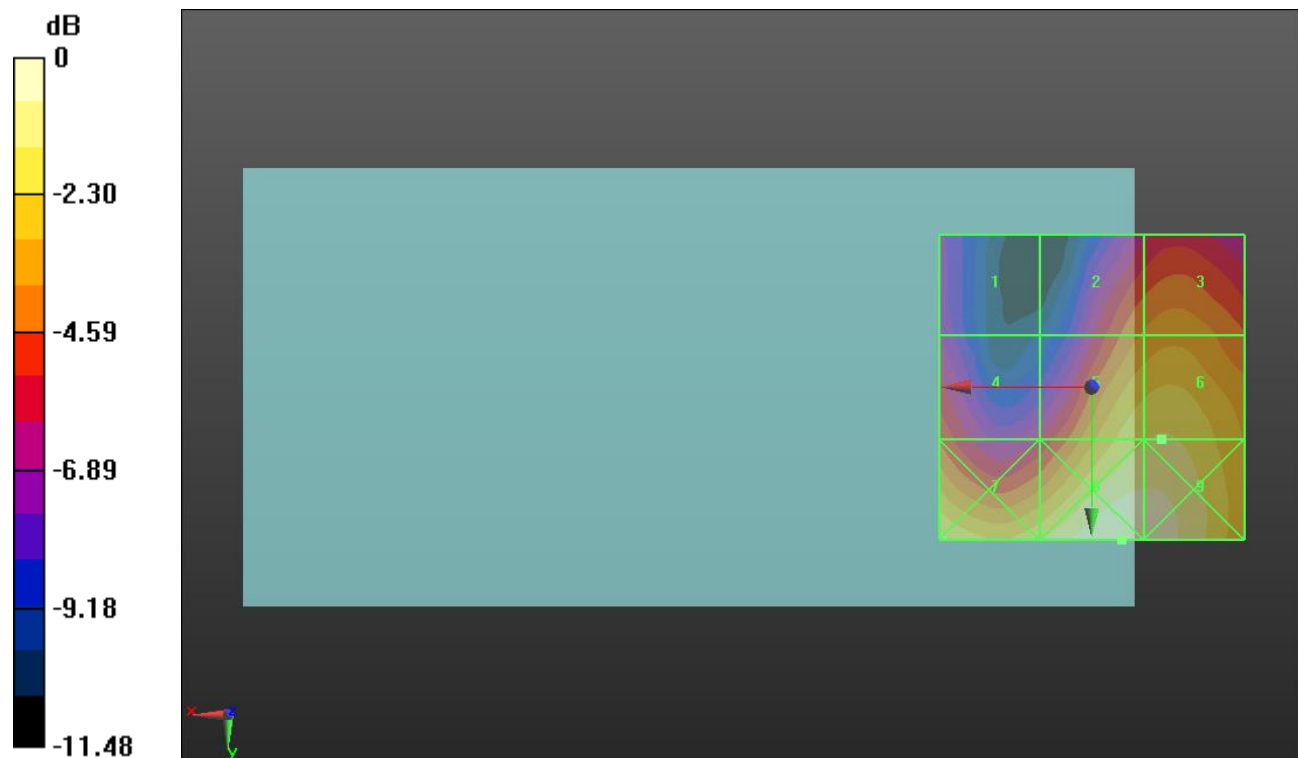
Applied MIF = -1.44 dB

RF audio interference level = 23.57 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>18.2 dBV/m</b>  | Grid 2 <b>M4</b><br><b>21.32 dBV/m</b> | Grid 3 <b>M4</b><br><b>21.73 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>20.41 dBV/m</b> | Grid 5 <b>M4</b><br><b>23.42 dBV/m</b> | Grid 6 <b>M4</b><br><b>23.57 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>23.8 dBV/m</b>  | Grid 8 <b>M4</b><br><b>25 dBV/m</b>    | Grid 9 <b>M4</b><br><b>24.9 dBV/m</b>  |



0 dB = 17.79 V/m = 25.00 dBV/m

## HAC-RF Emission ANT1

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 2593 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

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

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 17.08 V/m; Power Drift = -0.05 dB

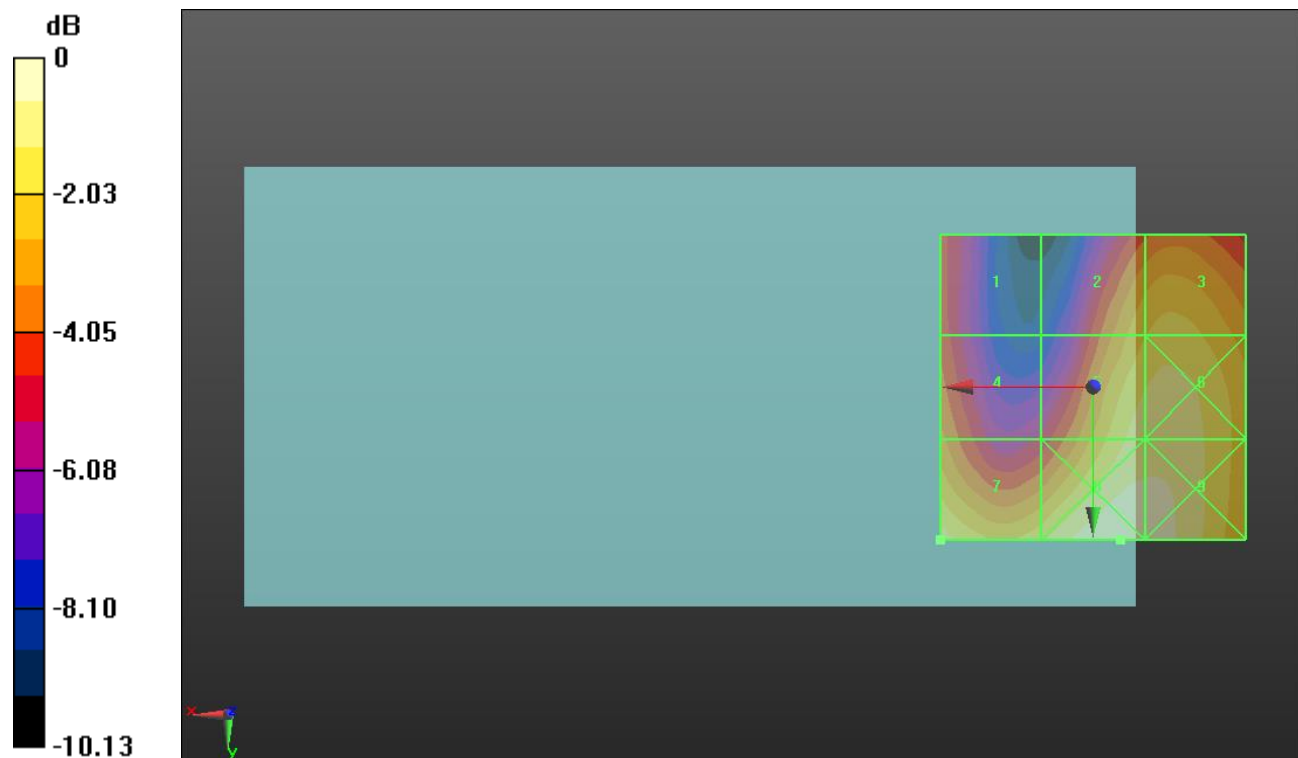
Applied MIF = -1.44 dB

RF audio interference level = 24.18 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>20.85 dBV/m</b> | Grid 2 <b>M4</b><br><b>23.04 dBV/m</b> | Grid 3 <b>M4</b><br><b>23.39 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>21.98 dBV/m</b> | Grid 5 <b>M4</b><br><b>24.11 dBV/m</b> | Grid 6 <b>M4</b><br><b>24.23 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>24.18 dBV/m</b> | Grid 8 <b>M4</b><br><b>25.1 dBV/m</b>  | Grid 9 <b>M4</b><br><b>24.95 dBV/m</b> |



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

## HAC-RF Emission ANT1

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 2636.5 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 15.26 V/m; Power Drift = -0.14 dB

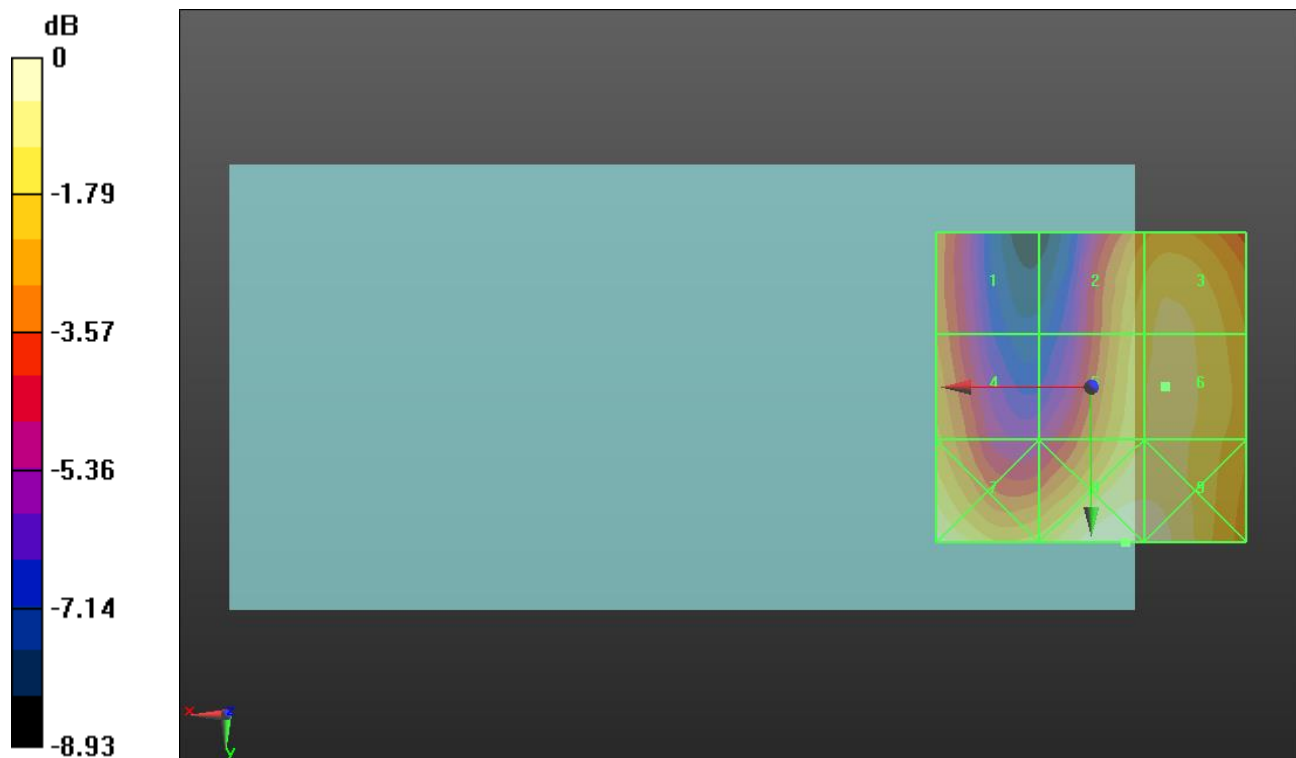
Applied MIF = -1.44 dB

RF audio interference level = 23.35 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>21.31 dBV/m</b> | Grid 2 <b>M4</b><br><b>22.9 dBV/m</b>  | Grid 3 <b>M4</b><br><b>23.27 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>22.14 dBV/m</b> | Grid 5 <b>M4</b><br><b>23.14 dBV/m</b> | Grid 6 <b>M4</b><br><b>23.35 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>24.03 dBV/m</b> | Grid 8 <b>M4</b><br><b>24.3 dBV/m</b>  | Grid 9 <b>M4</b><br><b>24.19 dBV/m</b> |



0 dB = 16.41 V/m = 24.30 dBV/m

## HAC-RF Emission ANT1

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 2680 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

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

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 15.35 V/m; Power Drift = -0.15 dB

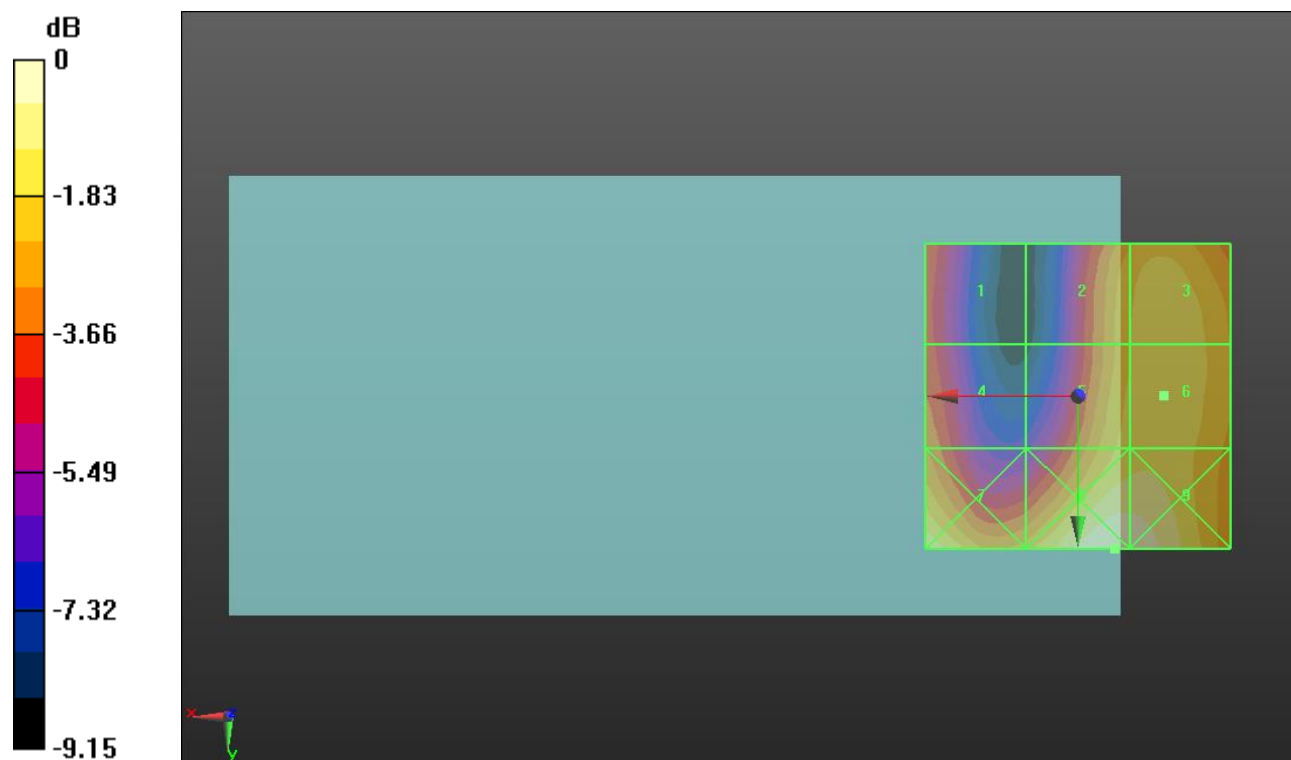
Applied MIF = -1.44 dB

RF audio interference level = 23.63 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>21.19 dBV/m</b> | Grid 2 <b>M4</b><br><b>23.08 dBV/m</b> | Grid 3 <b>M4</b><br><b>23.6 dBV/m</b>  |
| Grid 4 <b>M4</b><br><b>21.94 dBV/m</b> | Grid 5 <b>M4</b><br><b>23.39 dBV/m</b> | Grid 6 <b>M4</b><br><b>23.63 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>24.31 dBV/m</b> | Grid 8 <b>M4</b><br><b>24.92 dBV/m</b> | Grid 9 <b>M4</b><br><b>24.83 dBV/m</b> |



0 dB = 17.62 V/m = 24.92 dBV/m

## HAC-RF Emission ANT2

Communication System: UID 10021 - CAA, 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) @ 824.2 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

## 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 = 99.81 V/m; Power Drift = -0.04 dB

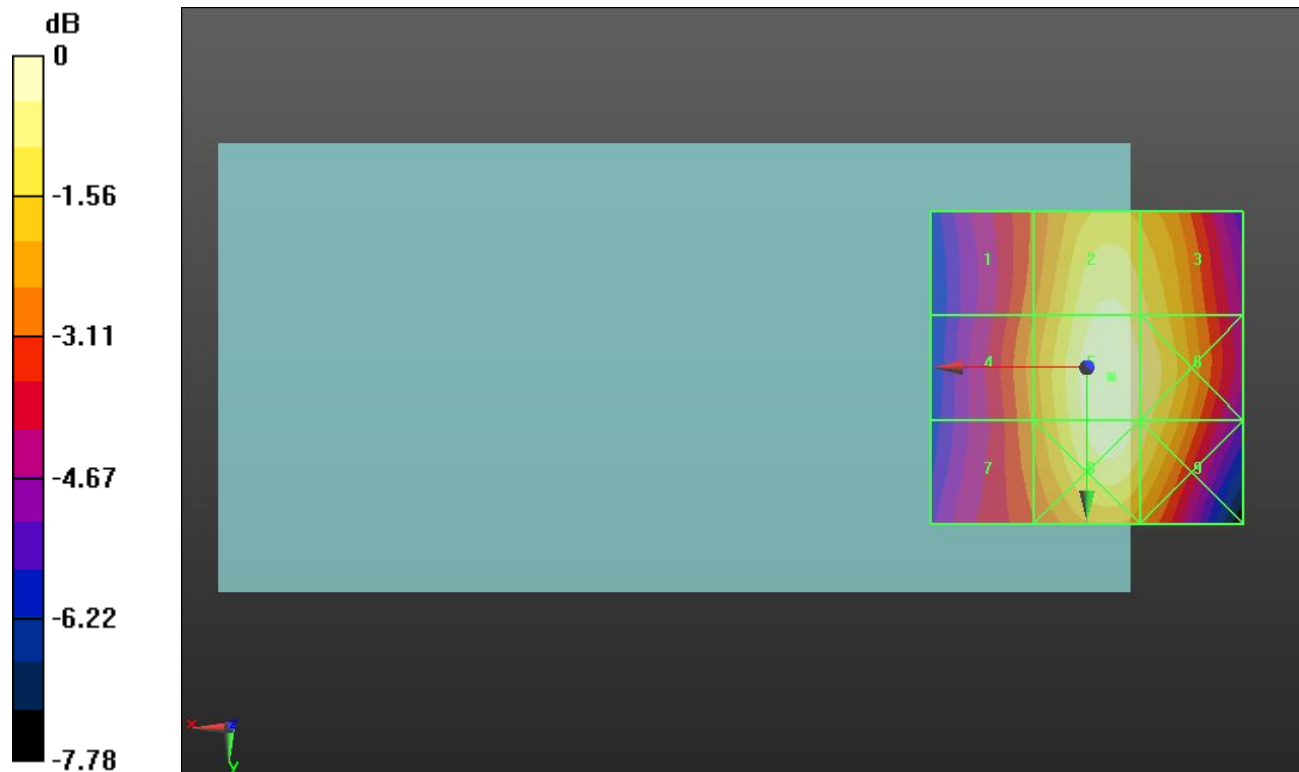
Applied MIF = 3.63 dB

RF audio interference level = 39.86 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>37.25 dBV/m</b> | Grid 2 <b>M4</b><br><b>39.48 dBV/m</b> | Grid 3 <b>M4</b><br><b>39.05 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>37.6 dBV/m</b>  | Grid 5 <b>M4</b><br><b>39.86 dBV/m</b> | Grid 6 <b>M4</b><br><b>39.43 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>37.41 dBV/m</b> | Grid 8 <b>M4</b><br><b>39.74 dBV/m</b> | Grid 9 <b>M4</b><br><b>39.2 dBV/m</b>  |



0 dB = 98.40 V/m = 39.86 dBV/m

## HAC-RF Emission ANT2

Communication System: UID 10021 - CAA, 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) @ 836.6 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

## 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 = 104.9 V/m; Power Drift = -0.09 dB

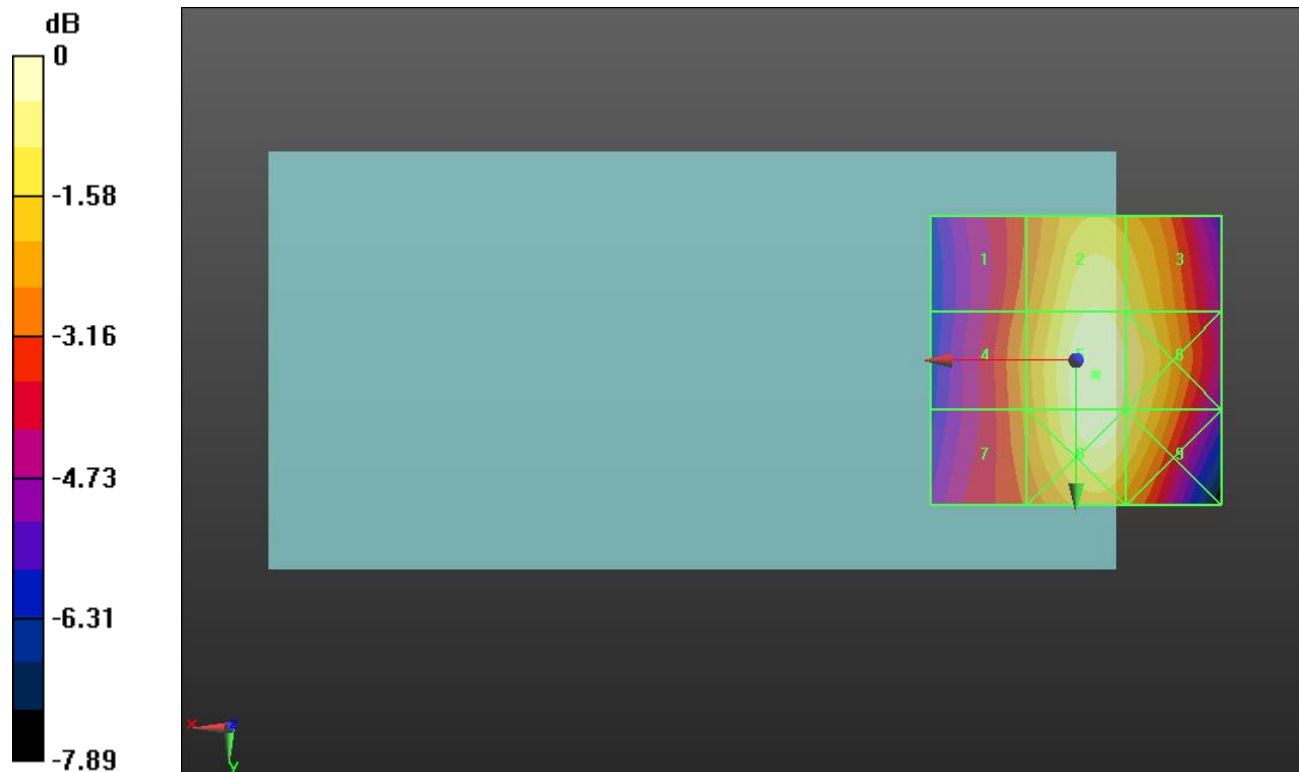
Applied MIF = 3.63 dB

RF audio interference level = 40.21 dBV/m

**Emission category: M3**

MIF scaled E-field

|                                 |                                 |                                 |
|---------------------------------|---------------------------------|---------------------------------|
| Grid 1 <b>M4</b><br>37.57 dBV/m | Grid 2 <b>M4</b><br>39.74 dBV/m | Grid 3 <b>M4</b><br>39.32 dBV/m |
| Grid 4 <b>M4</b><br>37.94 dBV/m | Grid 5 <b>M3</b><br>40.21 dBV/m | Grid 6 <b>M4</b><br>39.72 dBV/m |
| Grid 7 <b>M4</b><br>37.8 dBV/m  | Grid 8 <b>M3</b><br>40.14 dBV/m | Grid 9 <b>M4</b><br>39.57 dBV/m |



0 dB = 102.5 V/m = 40.21 dBV/m

## HAC-RF Emission ANT2

Communication System: UID 10021 - CAA, 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) @ 848.6 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

## 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 = 106.3 V/m; Power Drift = -0.04 dB

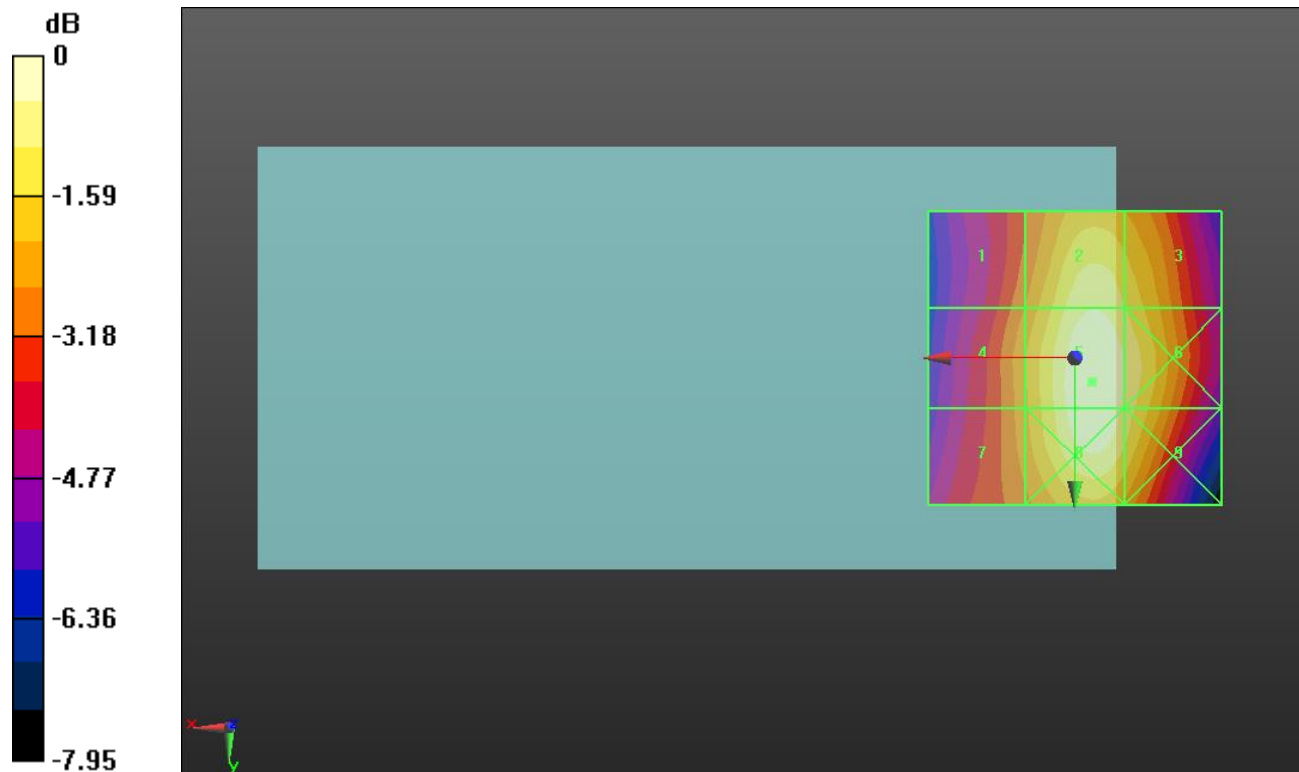
Applied MIF = 3.63 dB

RF audio interference level = 40.27 dBV/m

**Emission category: M3**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>37.66 dBV/m</b> | Grid 2 <b>M4</b><br><b>39.73 dBV/m</b> | Grid 3 <b>M4</b><br><b>39.24 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>38.13 dBV/m</b> | Grid 5 <b>M3</b><br><b>40.27 dBV/m</b> | Grid 6 <b>M4</b><br><b>39.75 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>38.03 dBV/m</b> | Grid 8 <b>M3</b><br><b>40.25 dBV/m</b> | Grid 9 <b>M4</b><br><b>39.6 dBV/m</b>  |



0 dB = 103.2 V/m = 40.27 dBV/m

## HAC-RF Emission ANT2

Communication System: UID 10021 - CAA, 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) @ 1850.2 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

## 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 = 14.83 V/m; Power Drift = -0.06 dB

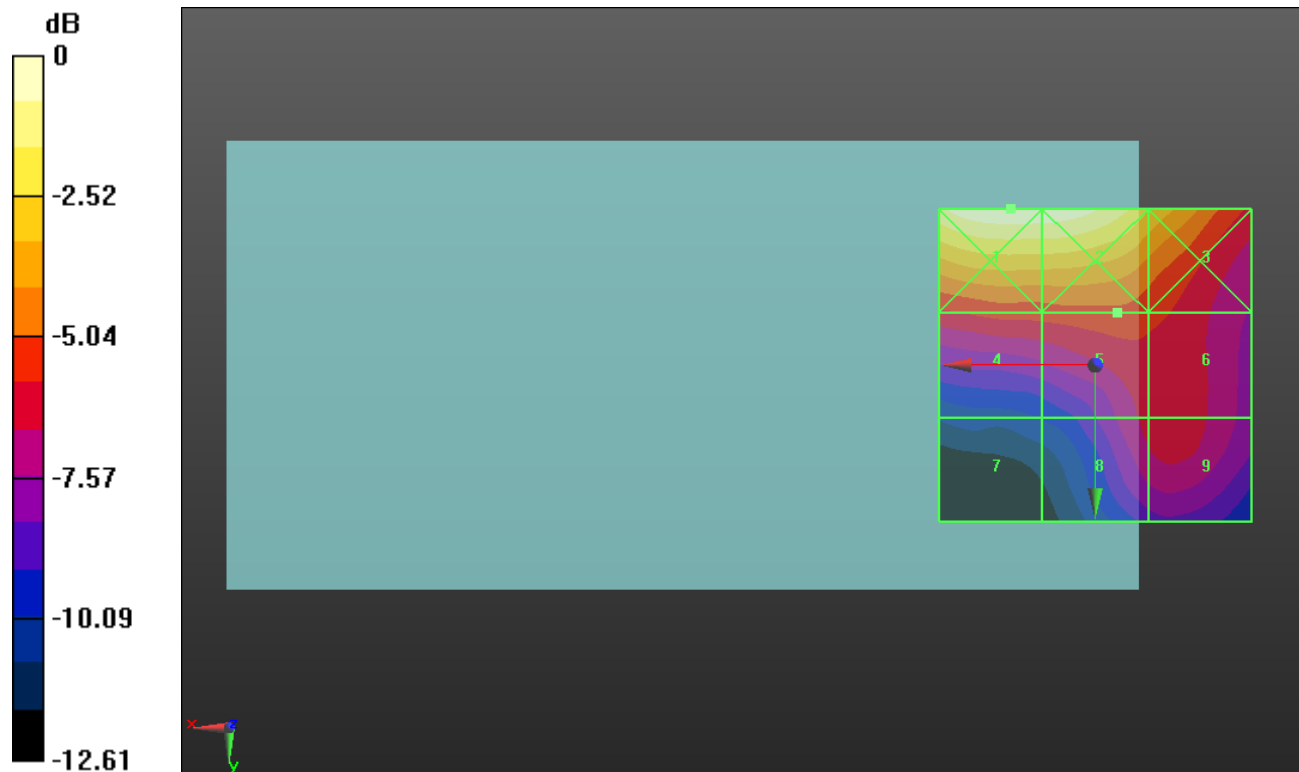
Applied MIF = 3.63 dB

RF audio interference level = 26.81 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M3</b><br><b>32.03 dBV/m</b> | Grid 2 <b>M3</b><br><b>31.92 dBV/m</b> | Grid 3 <b>M4</b><br><b>29.56 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>26.56 dBV/m</b> | Grid 5 <b>M4</b><br><b>26.81 dBV/m</b> | Grid 6 <b>M4</b><br><b>26.5 dBV/m</b>  |
| Grid 7 <b>M4</b><br><b>22.06 dBV/m</b> | Grid 8 <b>M4</b><br><b>25.67 dBV/m</b> | Grid 9 <b>M4</b><br><b>25.95 dBV/m</b> |



0 dB = 39.93 V/m = 32.03 dBV/m

## HAC-RF Emission ANT2

Communication System: UID 10021 - CAA, 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) @ 1880 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

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

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 15.46 V/m; Power Drift = -0.09 dB

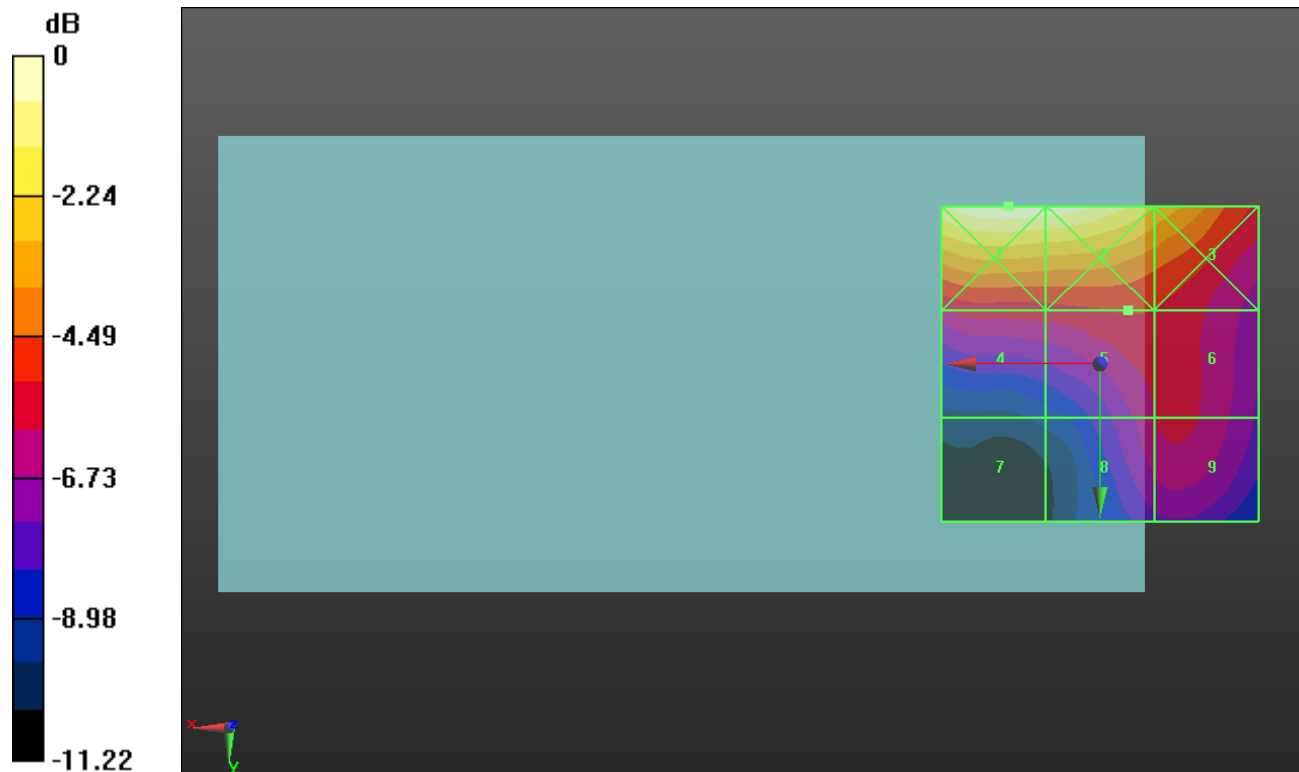
Applied MIF = 3.63 dB

RF audio interference level = 26.88 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M3</b><br><b>32.01 dBV/m</b> | Grid 2 <b>M3</b><br><b>31.83 dBV/m</b> | Grid 3 <b>M4</b><br><b>29.81 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>26.5 dBV/m</b>  | Grid 5 <b>M4</b><br><b>26.88 dBV/m</b> | Grid 6 <b>M4</b><br><b>26.78 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>22.64 dBV/m</b> | Grid 8 <b>M4</b><br><b>26 dBV/m</b>    | Grid 9 <b>M4</b><br><b>26.27 dBV/m</b> |



0 dB = 39.86 V/m = 32.01 dBV/m

## HAC-RF Emission ANT2

Communication System: UID 10021 - CAA, 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) @ 1909.8 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

## 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 = 15.54 V/m; Power Drift = -0.20 dB

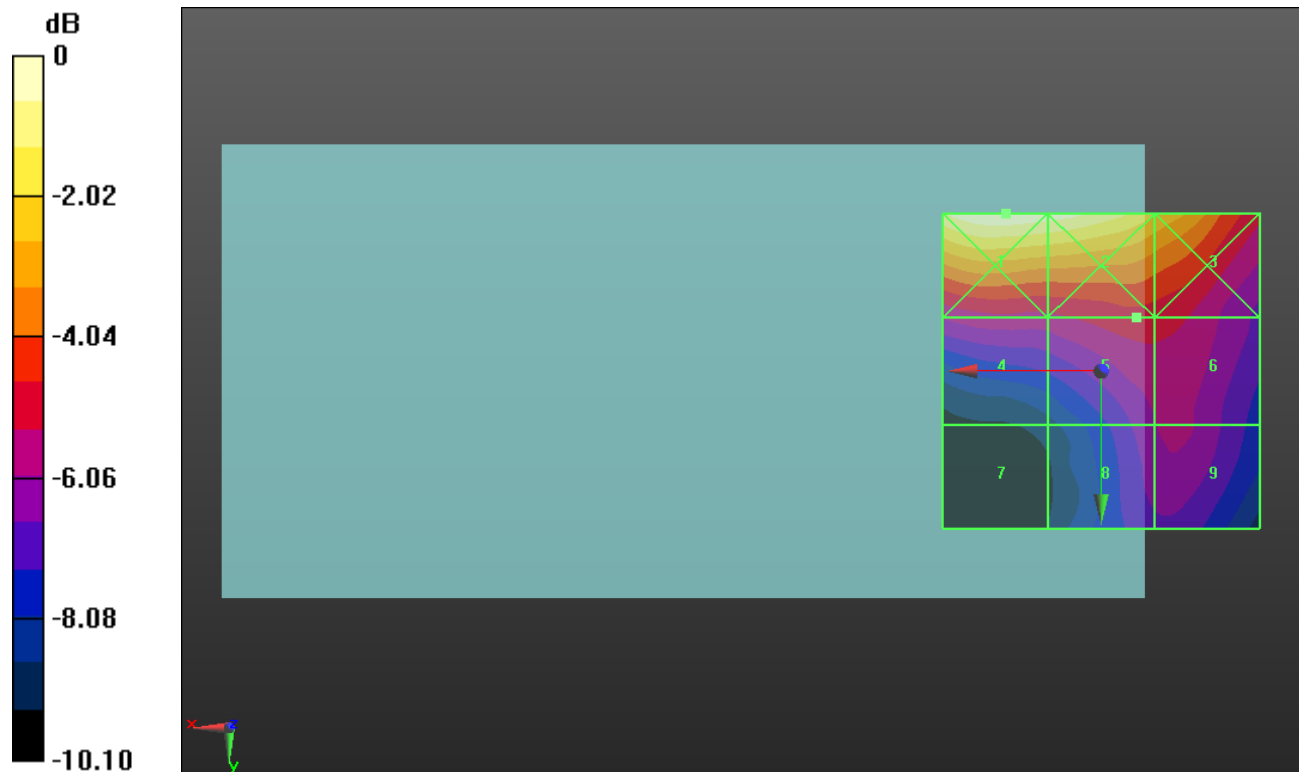
Applied MIF = 3.63 dB

RF audio interference level = 26.78 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M3</b><br><b>31.72 dBV/m</b> | Grid 2 <b>M3</b><br><b>31.48 dBV/m</b> | Grid 3 <b>M4</b><br><b>29.79 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>26.18 dBV/m</b> | Grid 5 <b>M4</b><br><b>26.78 dBV/m</b> | Grid 6 <b>M4</b><br><b>26.7 dBV/m</b>  |
| Grid 7 <b>M4</b><br><b>22.75 dBV/m</b> | Grid 8 <b>M4</b><br><b>25.65 dBV/m</b> | Grid 9 <b>M4</b><br><b>25.85 dBV/m</b> |



0 dB = 38.55 V/m = 31.72 dBV/m

## HAC-RF Emission ANT2

Communication System: UID 10295 - AAB, CDMA2000, RC1, SO3, 1/8th Rate 25 fr.; Frequency: 824.7 MHz; Duty Cycle: 1:17.746

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 824.7 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

## CDMA2000 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 = 47.98 V/m; Power Drift = 0.01 dB

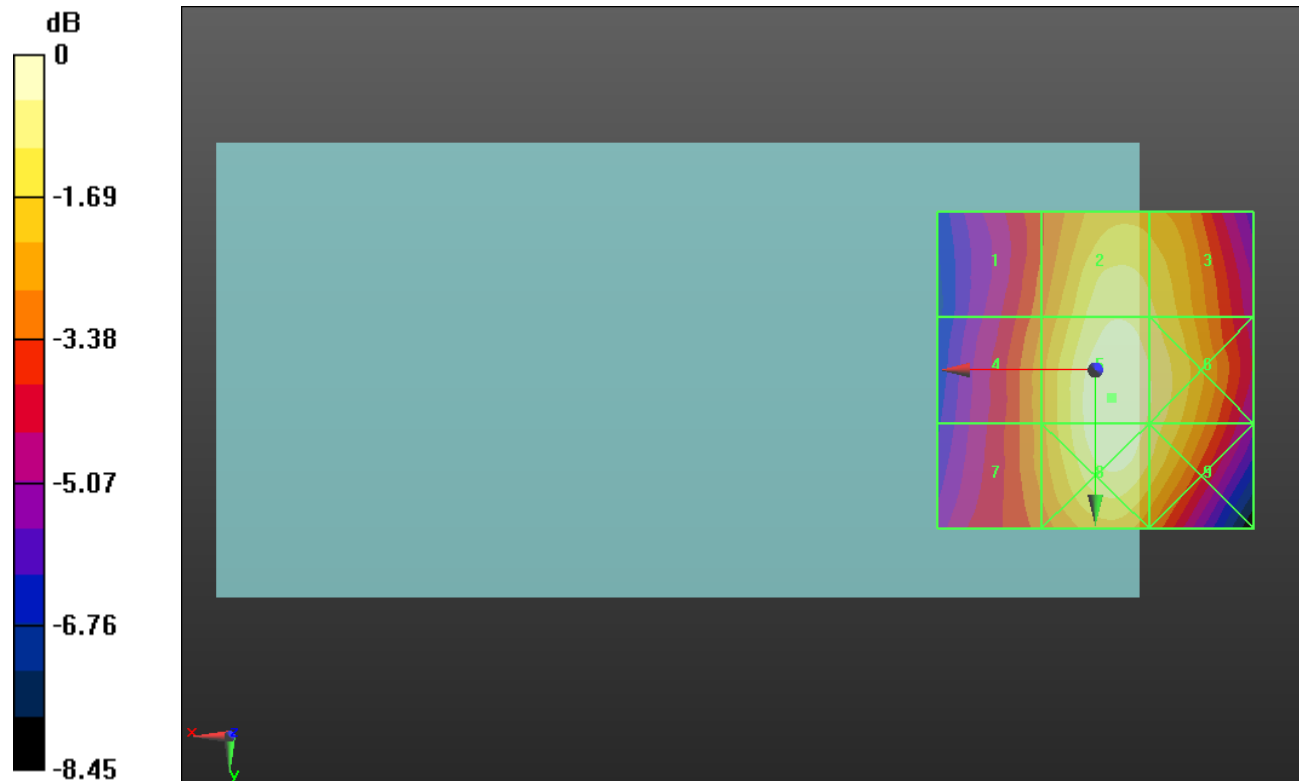
Applied MIF = 3.26 dB

RF audio interference level = 32.48 dBV/m

Emission category: **M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>29.57 dBV/m</b> | Grid 2 <b>M4</b><br><b>31.89 dBV/m</b> | Grid 3 <b>M4</b><br><b>31.54 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>30.09 dBV/m</b> | Grid 5 <b>M4</b><br><b>32.48 dBV/m</b> | Grid 6 <b>M4</b><br><b>32 dBV/m</b>    |
| Grid 7 <b>M4</b><br><b>30.04 dBV/m</b> | Grid 8 <b>M4</b><br><b>32.43 dBV/m</b> | Grid 9 <b>M4</b><br><b>31.81 dBV/m</b> |



0 dB = 42.09 V/m = 32.48 dBV/m

## HAC-RF Emission ANT2

Communication System: UID 10295 - AAB, CDMA2000, RC1, SO3, 1/8th Rate 25 fr.; Frequency: 836.52 MHz; Duty Cycle: 1:17.746

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 836.52 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

### CDMA2000 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 = 48.60 V/m; Power Drift = -0.06 dB

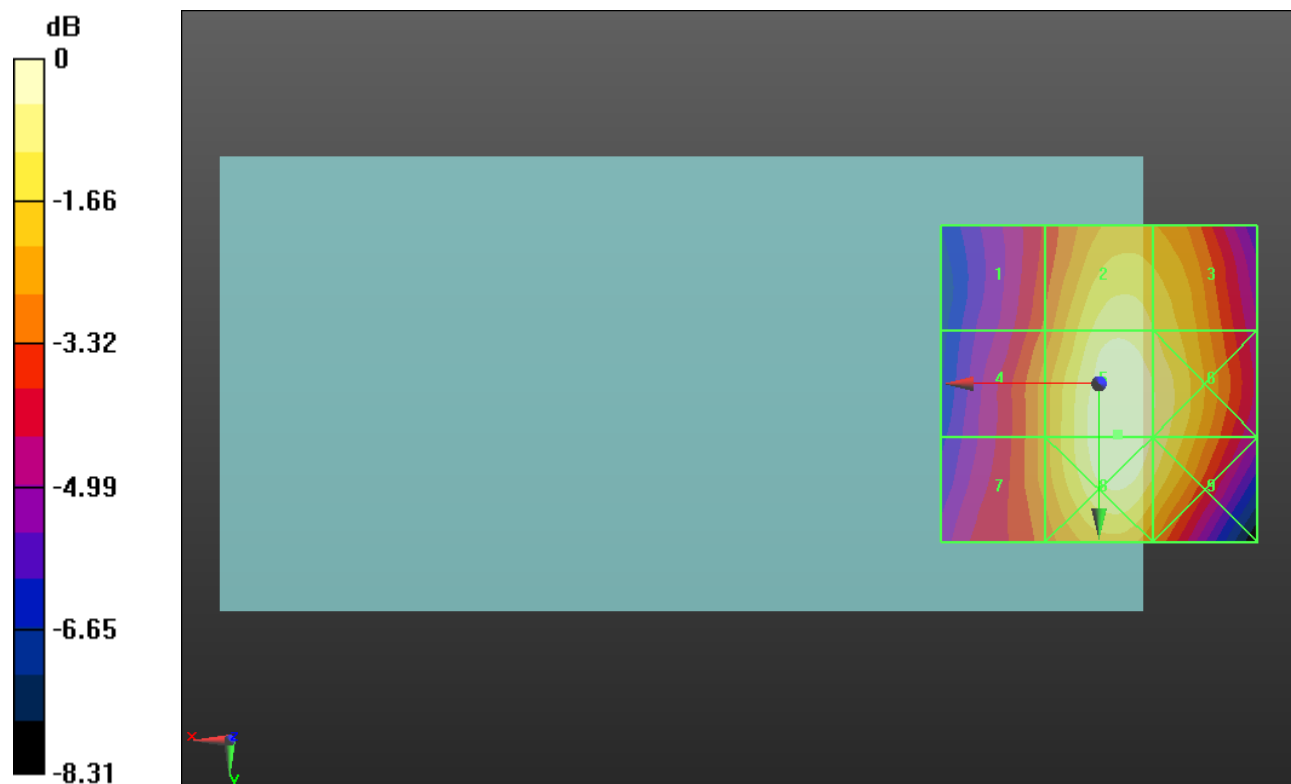
Applied MIF = 3.26 dB

RF audio interference level = 32.57 dBV/m

Emission category: **M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>29.45 dBV/m</b> | Grid 2 <b>M4</b><br><b>31.91 dBV/m</b> | Grid 3 <b>M4</b><br><b>31.51 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>30.15 dBV/m</b> | Grid 5 <b>M4</b><br><b>32.57 dBV/m</b> | Grid 6 <b>M4</b><br><b>32.07 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>30.14 dBV/m</b> | Grid 8 <b>M4</b><br><b>32.57 dBV/m</b> | Grid 9 <b>M4</b><br><b>31.97 dBV/m</b> |



0 dB = 42.50 V/m = 32.57 dBV/m

## HAC-RF Emission ANT2

Communication System: UID 10295 - AAB, CDMA2000, RC1, SO3, 1/8th Rate 25 fr.; Frequency: 848.31 MHz; Duty Cycle: 1:17.746

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 848.31 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

## CDMA2000 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 = 48.00 V/m; Power Drift = 0.06 dB

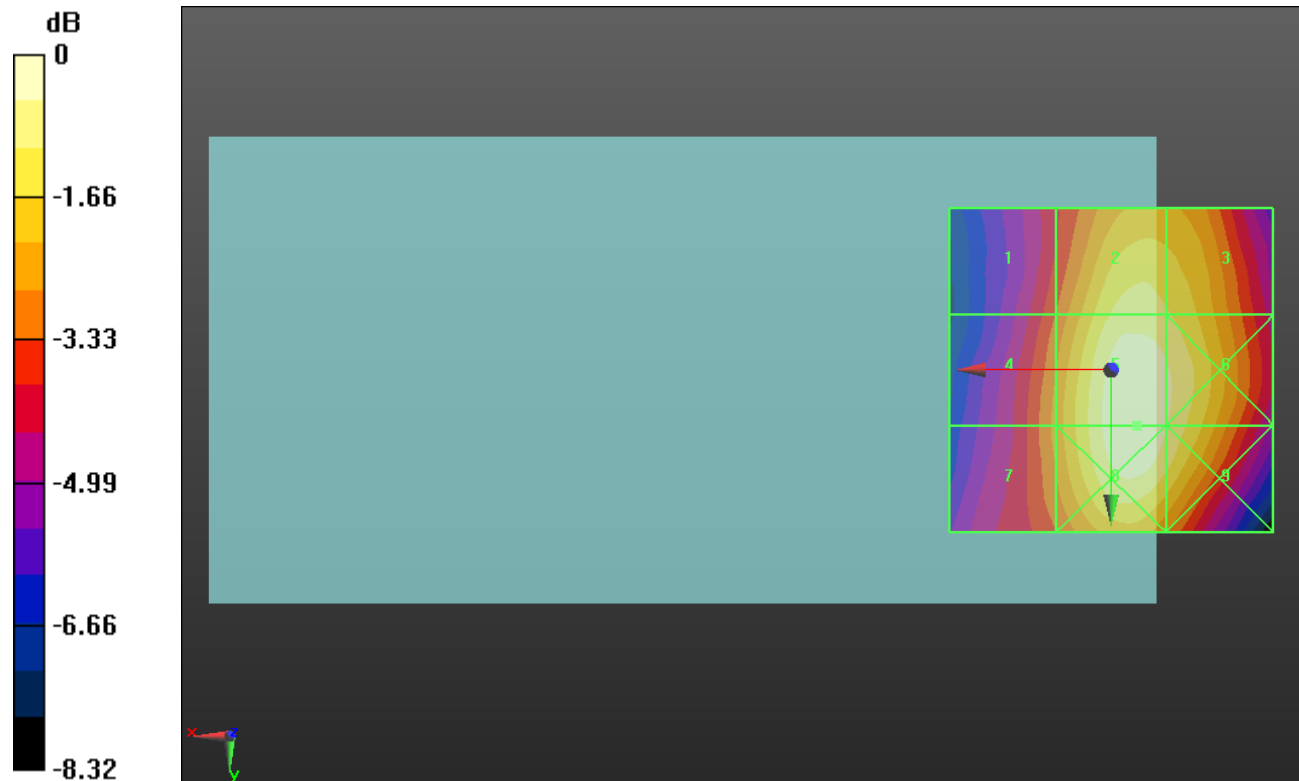
Applied MIF = 3.26 dB

RF audio interference level = 32.61 dBV/m

Emission category: **M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>29.33 dBV/m</b> | Grid 2 <b>M4</b><br><b>31.82 dBV/m</b> | Grid 3 <b>M4</b><br><b>31.59 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>30.06 dBV/m</b> | Grid 5 <b>M4</b><br><b>32.61 dBV/m</b> | Grid 6 <b>M4</b><br><b>32.19 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>30.06 dBV/m</b> | Grid 8 <b>M4</b><br><b>32.61 dBV/m</b> | Grid 9 <b>M4</b><br><b>32.1 dBV/m</b>  |



0 dB = 42.73 V/m = 32.61 dBV/m

## HAC-RF Emission ANT2

Communication System: UID 10295 - AAB, CDMA2000, RC1, SO3, 1/8th Rate 25 fr.; Frequency: 1851.25 MHz; Duty Cycle: 1:17.746

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 1851.25 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

## CDMA2000 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 = 8.518 V/m; Power Drift = -0.17 dB

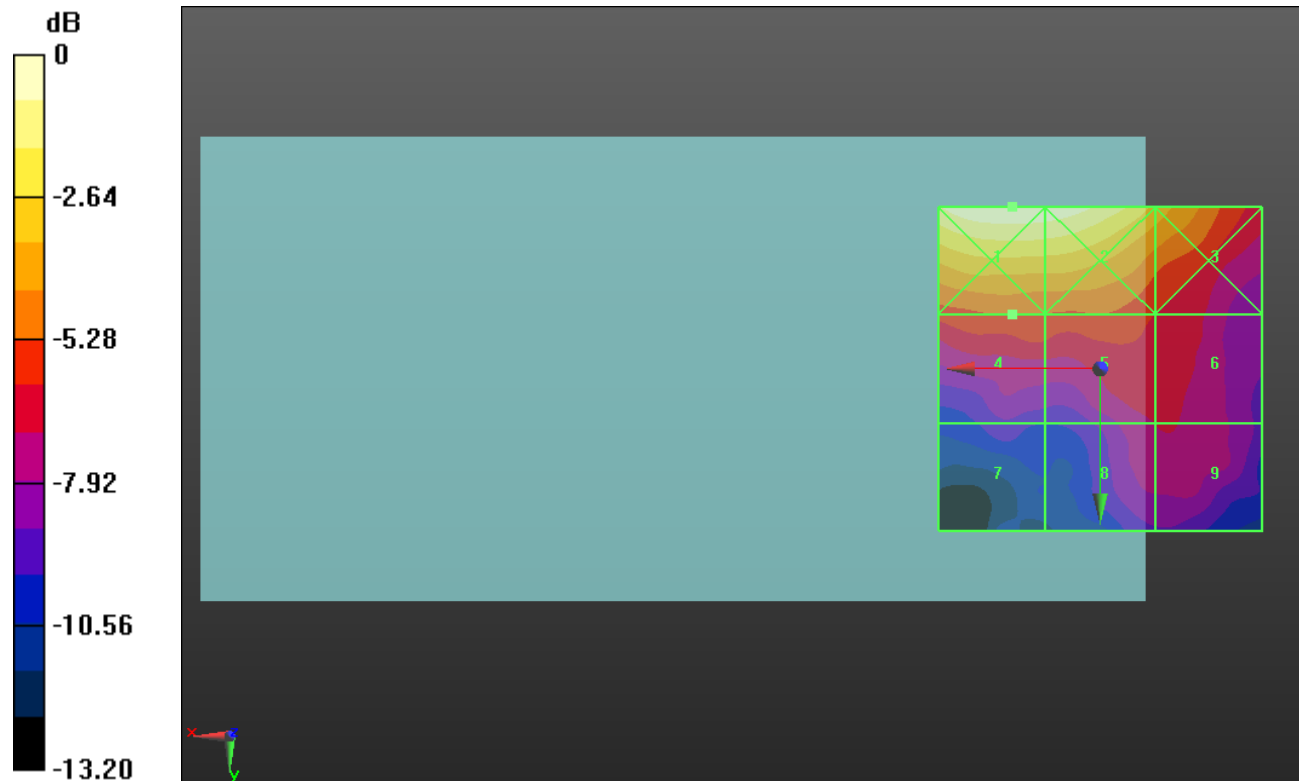
Applied MIF = 3.26 dB

RF audio interference level = 21.30 dBV/m

Emission category: **M4**

MIF scaled E-field

|                                       |                                        |                                        |
|---------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>26.5 dBV/m</b> | Grid 2 <b>M4</b><br><b>26.36 dBV/m</b> | Grid 3 <b>M4</b><br><b>23.62 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>21.3 dBV/m</b> | Grid 5 <b>M4</b><br><b>21.25 dBV/m</b> | Grid 6 <b>M4</b><br><b>20.36 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>17.6 dBV/m</b> | Grid 8 <b>M4</b><br><b>19.5 dBV/m</b>  | Grid 9 <b>M4</b><br><b>19.55 dBV/m</b> |



0 dB = 21.14 V/m = 26.50 dBV/m

## HAC-RF Emission ANT2

Communication System: UID 10295 - AAB, CDMA2000, RC1, SO3, 1/8th Rate 25 fr.; Frequency: 1880 MHz; Duty Cycle: 1:17.746

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 1880 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

## CDMA2000 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 = 8.433 V/m; Power Drift = -0.14 dB

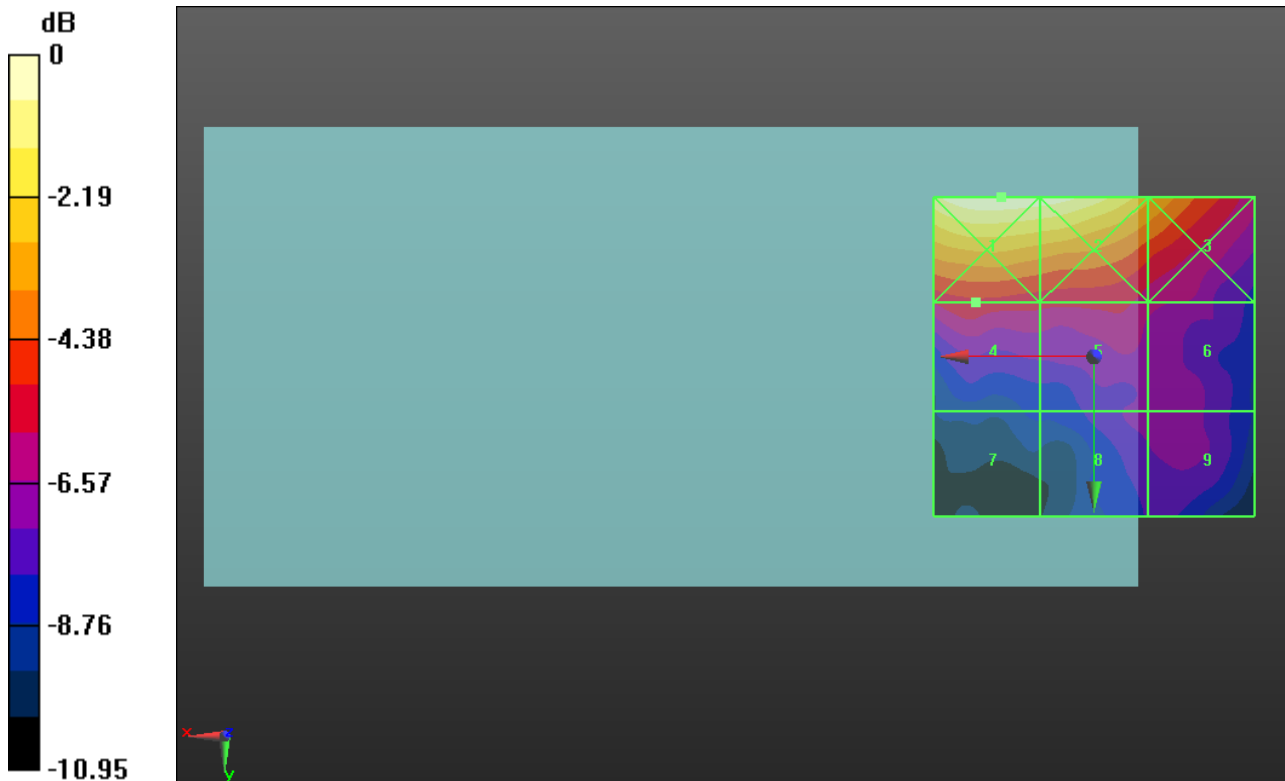
Applied MIF = 3.26 dB

RF audio interference level = 21.20 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>26.44 dBV/m</b> | Grid 2 <b>M4</b><br><b>26.23 dBV/m</b> | Grid 3 <b>M4</b><br><b>23.75 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>21.2 dBV/m</b>  | Grid 5 <b>M4</b><br><b>20.91 dBV/m</b> | Grid 6 <b>M4</b><br><b>20.23 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>17.91 dBV/m</b> | Grid 8 <b>M4</b><br><b>19.36 dBV/m</b> | Grid 9 <b>M4</b><br><b>19.46 dBV/m</b> |



0 dB = 21.00 V/m = 26.44 dBV/m

## HAC-RF Emission ANT2

Communication System: UID 10295 - AAB, CDMA2000, RC1, SO3, 1/8th Rate 25 fr.; Frequency: 1908.75 MHz; Duty Cycle: 1:17.746

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 1908.75 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

## CDMA2000 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 = 8.525 V/m; Power Drift = 0.07 dB

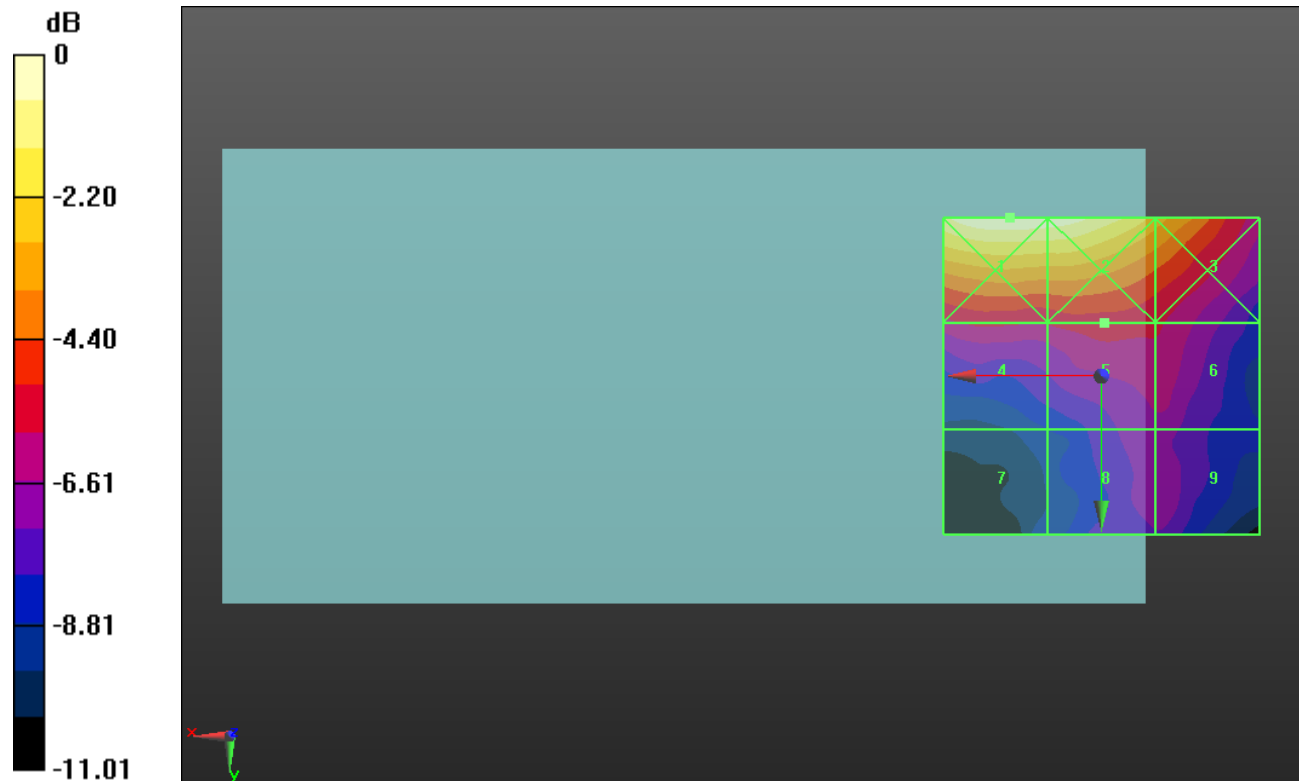
Applied MIF = 3.26 dB

RF audio interference level = 20.89 dBV/m

Emission category: **M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>26.3 dBV/m</b>  | Grid 2 <b>M4</b><br><b>26.11 dBV/m</b> | Grid 3 <b>M4</b><br><b>23.81 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>20.65 dBV/m</b> | Grid 5 <b>M4</b><br><b>20.89 dBV/m</b> | Grid 6 <b>M4</b><br><b>20.6 dBV/m</b>  |
| Grid 7 <b>M4</b><br><b>17.52 dBV/m</b> | Grid 8 <b>M4</b><br><b>19.45 dBV/m</b> | Grid 9 <b>M4</b><br><b>19.48 dBV/m</b> |



0 dB = 20.65 V/m = 26.30 dBV/m

## HAC-RF Emission ANT2

Communication System: UID 10295 - AAB, CDMA2000, RC1, SO3, 1/8th Rate 25 fr.; Frequency: 817.3 MHz; Duty Cycle: 1:17.746

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 817.3 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

## CDMA2000 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 = 47.00 V/m; Power Drift = -0.06 dB

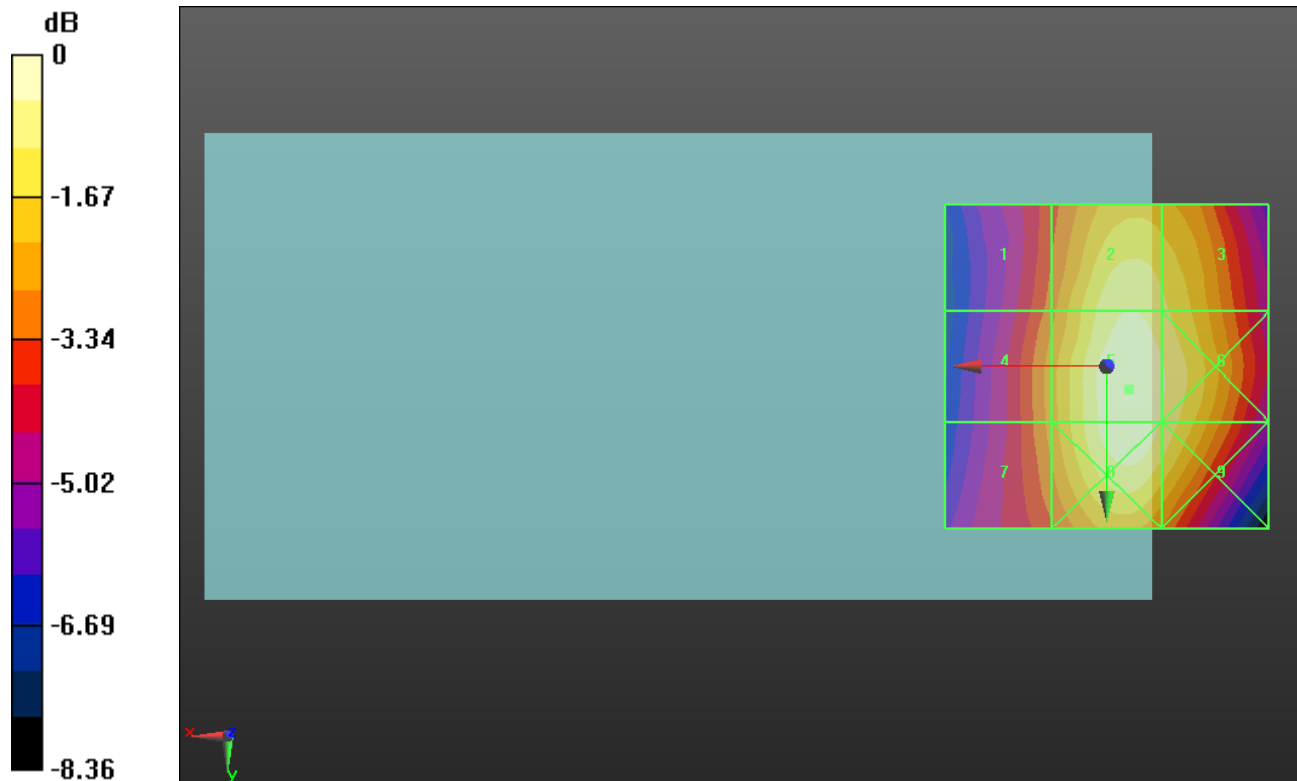
Applied MIF = 3.26 dB

RF audio interference level = 32.31 dBV/m

Emission category: **M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>29.32 dBV/m</b> | Grid 2 <b>M4</b><br><b>31.76 dBV/m</b> | Grid 3 <b>M4</b><br><b>31.37 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>29.86 dBV/m</b> | Grid 5 <b>M4</b><br><b>32.31 dBV/m</b> | Grid 6 <b>M4</b><br><b>31.84 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>29.79 dBV/m</b> | Grid 8 <b>M4</b><br><b>32.26 dBV/m</b> | Grid 9 <b>M4</b><br><b>31.71 dBV/m</b> |



0 dB = 41.25 V/m = 32.31 dBV/m

## HAC-RF Emission ANT2

Communication System: UID 10295 - AAB, CDMA2000, RC1, SO3, 1/8th Rate 25 fr.; Frequency: 820 MHz; Duty Cycle: 1:17.746

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 820 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

## CDMA2000 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 = 47.09 V/m; Power Drift = 0.04 dB

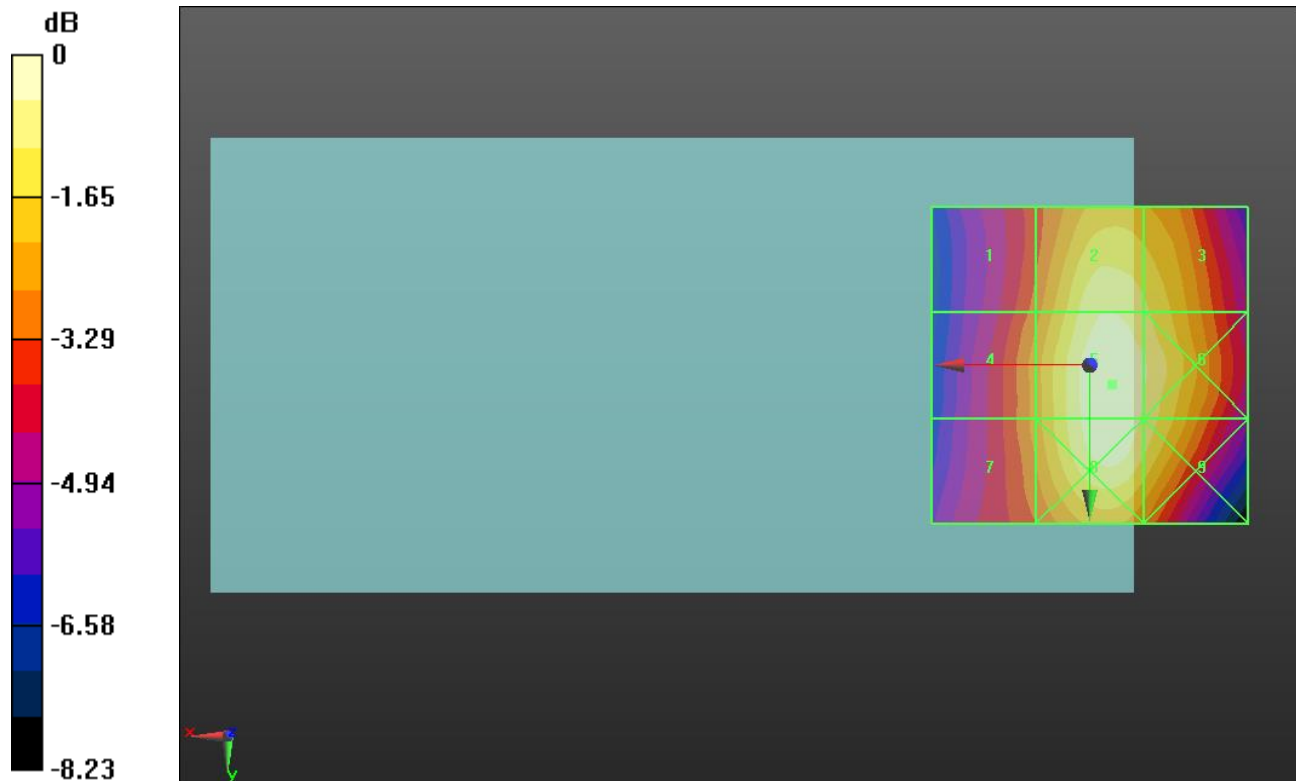
Applied MIF = 3.26 dB

RF audio interference level = 32.35 dBV/m

Emission category: **M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>29.39 dBV/m</b> | Grid 2 <b>M4</b><br><b>31.81 dBV/m</b> | Grid 3 <b>M4</b><br><b>31.4 dBV/m</b>  |
| Grid 4 <b>M4</b><br><b>29.95 dBV/m</b> | Grid 5 <b>M4</b><br><b>32.35 dBV/m</b> | Grid 6 <b>M4</b><br><b>31.9 dBV/m</b>  |
| Grid 7 <b>M4</b><br><b>29.9 dBV/m</b>  | Grid 8 <b>M4</b><br><b>32.27 dBV/m</b> | Grid 9 <b>M4</b><br><b>31.71 dBV/m</b> |



0 dB = 41.46 V/m = 32.35 dBV/m

## HAC-RF Emission ANT2

Communication System: UID 10295 - AAB, CDMA2000, RC1, SO3, 1/8th Rate 25 fr.; Frequency: 822.75 MHz; Duty Cycle: 1:17.746

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 822.75 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

## CDMA2000 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 = 47.49 V/m; Power Drift = -0.02 dB

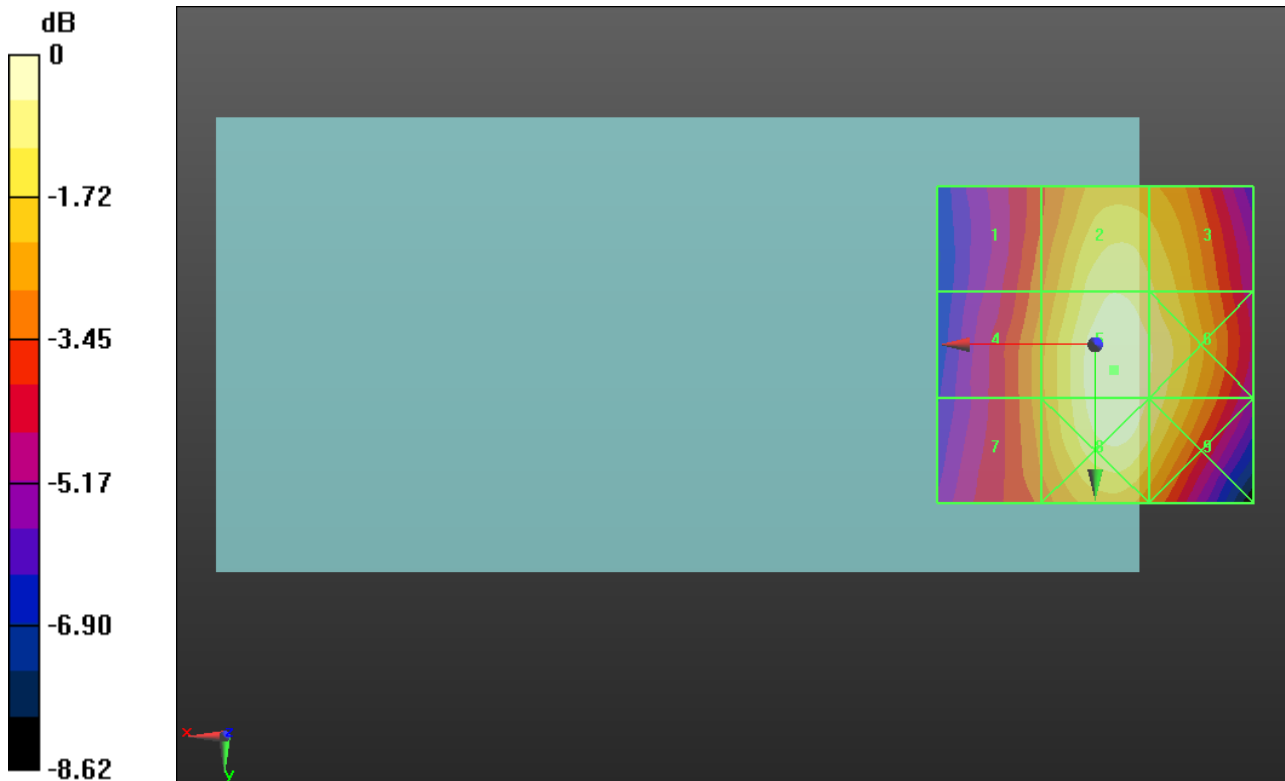
Applied MIF = 3.26 dB

RF audio interference level = 32.43 dBV/m

Emission category: **M4**

MIF scaled E-field

|                                 |                                 |                                 |
|---------------------------------|---------------------------------|---------------------------------|
| Grid 1 <b>M4</b><br>29.5 dBV/m  | Grid 2 <b>M4</b><br>31.84 dBV/m | Grid 3 <b>M4</b><br>31.42 dBV/m |
| Grid 4 <b>M4</b><br>30.03 dBV/m | Grid 5 <b>M4</b><br>32.43 dBV/m | Grid 6 <b>M4</b><br>31.95 dBV/m |
| Grid 7 <b>M4</b><br>29.99 dBV/m | Grid 8 <b>M4</b><br>32.37 dBV/m | Grid 9 <b>M4</b><br>31.81 dBV/m |



0 dB = 41.85 V/m = 32.43 dBV/m

## HAC-RF Emission ANT2

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 2506 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

## LTE Band 41 E-Field measurement/SC-FDMA 1RB 20 MHz 16QAM Ch. 39750/Hearing

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 36.18 V/m; Power Drift = -0.06 dB

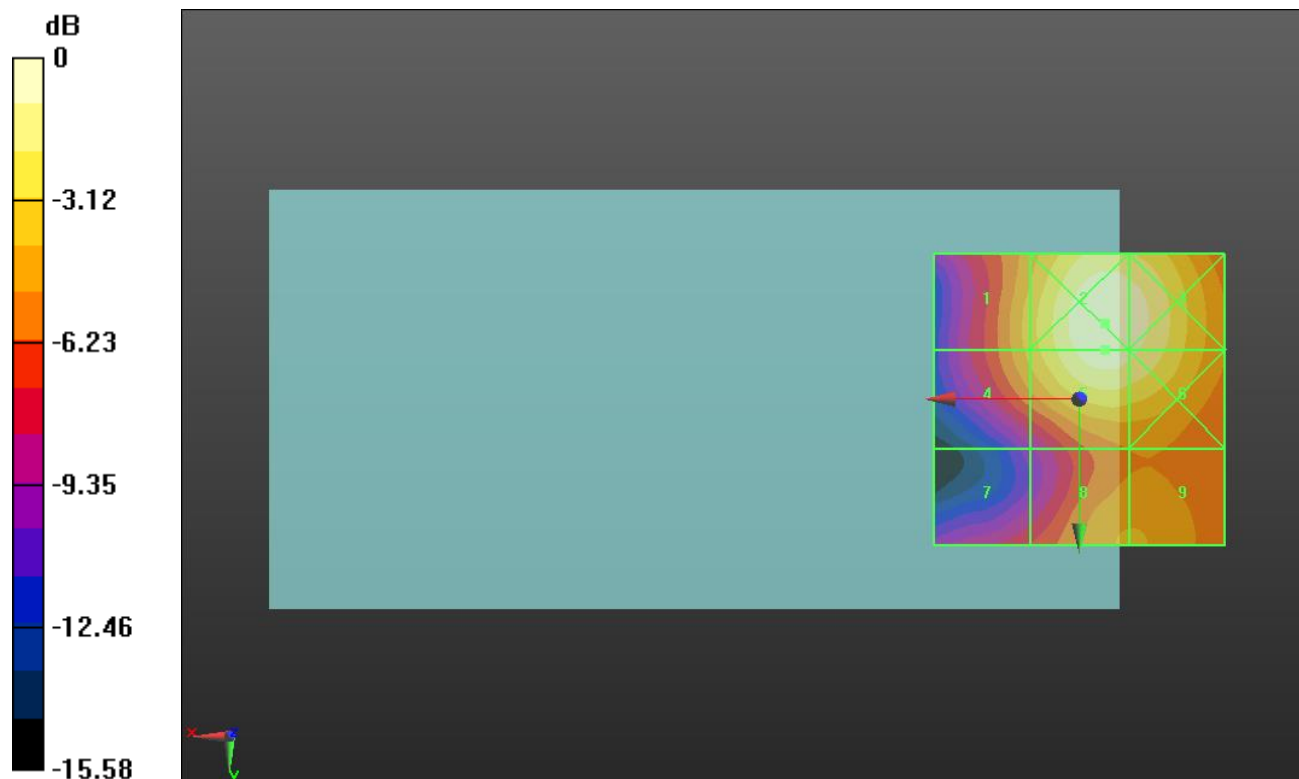
Applied MIF = -1.44 dB

RF audio interference level = 29.14 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>25.93 dBV/m</b> | Grid 2 <b>M4</b><br><b>29.5 dBV/m</b>  | Grid 3 <b>M4</b><br><b>29.13 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>25.73 dBV/m</b> | Grid 5 <b>M4</b><br><b>29.14 dBV/m</b> | Grid 6 <b>M4</b><br><b>28.76 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>22.29 dBV/m</b> | Grid 8 <b>M4</b><br><b>25.45 dBV/m</b> | Grid 9 <b>M4</b><br><b>25.45 dBV/m</b> |



0 dB = 29.84 V/m = 29.50 dBV/m

## HAC-RF Emission ANT2

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 2549.5 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

## LTE Band 41 E-Field measurement/SC-FDMA 1RB 20 MHz 16QAM Ch. 40185/Hearing

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 38.74 V/m; Power Drift = -0.04 dB

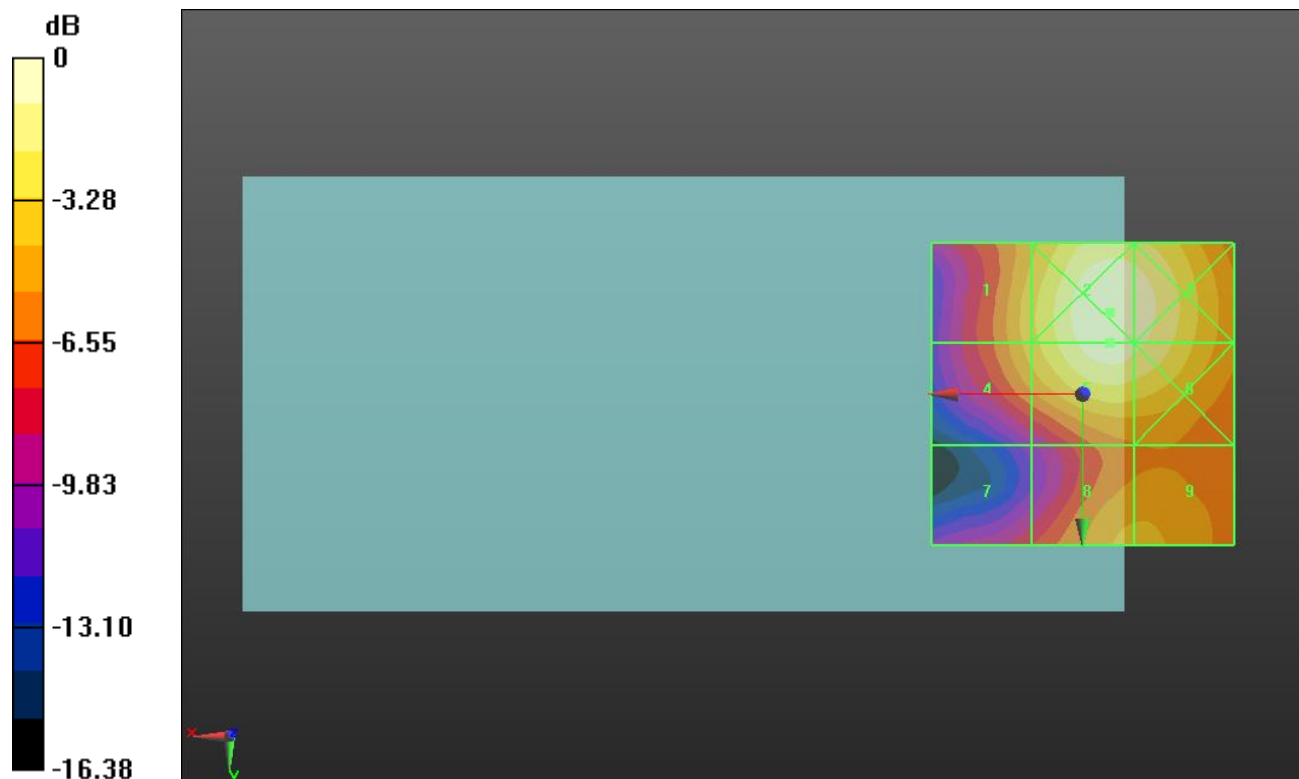
Applied MIF = -1.44 dB

RF audio interference level = 29.74 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>26.59 dBV/m</b> | Grid 2 <b>M3</b><br><b>30.12 dBV/m</b> | Grid 3 <b>M4</b><br><b>29.74 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>26.38 dBV/m</b> | Grid 5 <b>M4</b><br><b>29.74 dBV/m</b> | Grid 6 <b>M4</b><br><b>29.35 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>22.48 dBV/m</b> | Grid 8 <b>M4</b><br><b>26.03 dBV/m</b> | Grid 9 <b>M4</b><br><b>26.04 dBV/m</b> |



0 dB = 32.08 V/m = 30.12 dBV/m

## HAC-RF Emission ANT2

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 2593 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

## LTE Band 41 E-Field measurement/SC-FDMA 1RB 20 MHz 16QAM Ch. 40620/Hearing

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 41.48 V/m; Power Drift = -0.01 dB

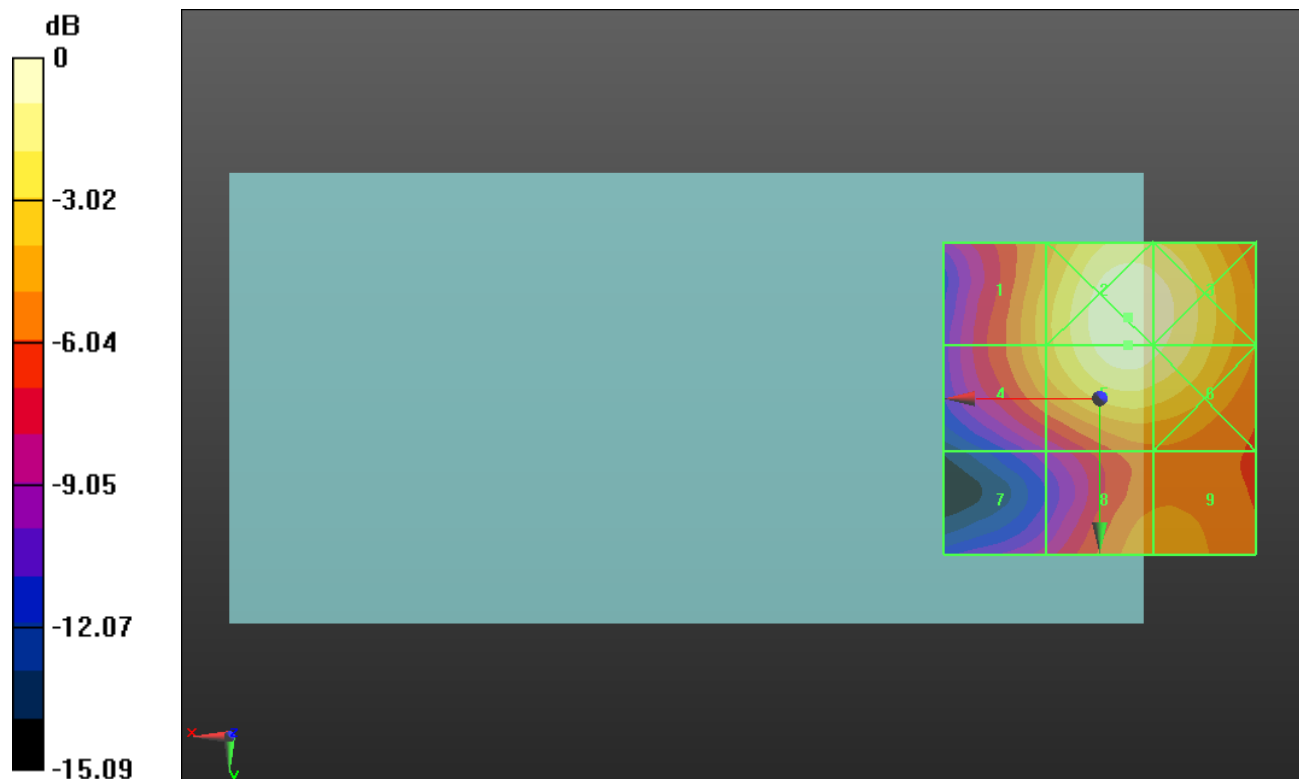
Applied MIF = -1.44 dB

RF audio interference level = 30.05 dBV/m

**Emission category: M3**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>27.05 dBV/m</b> | Grid 2 <b>M3</b><br><b>30.34 dBV/m</b> | Grid 3 <b>M4</b><br><b>29.99 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>26.93 dBV/m</b> | Grid 5 <b>M3</b><br><b>30.05 dBV/m</b> | Grid 6 <b>M4</b><br><b>29.68 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>21.95 dBV/m</b> | Grid 8 <b>M4</b><br><b>25.97 dBV/m</b> | Grid 9 <b>M4</b><br><b>26 dBV/m</b>    |



0 dB = 32.89 V/m = 30.34 dBV/m

## HAC-RF Emission ANT2

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 2636.5 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

## LTE Band 41 E-Field measurement/SC-FDMA 1RB 20 MHz 16QAM Ch. 41055/Hearing

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 41.66 V/m; Power Drift = 0.02 dB

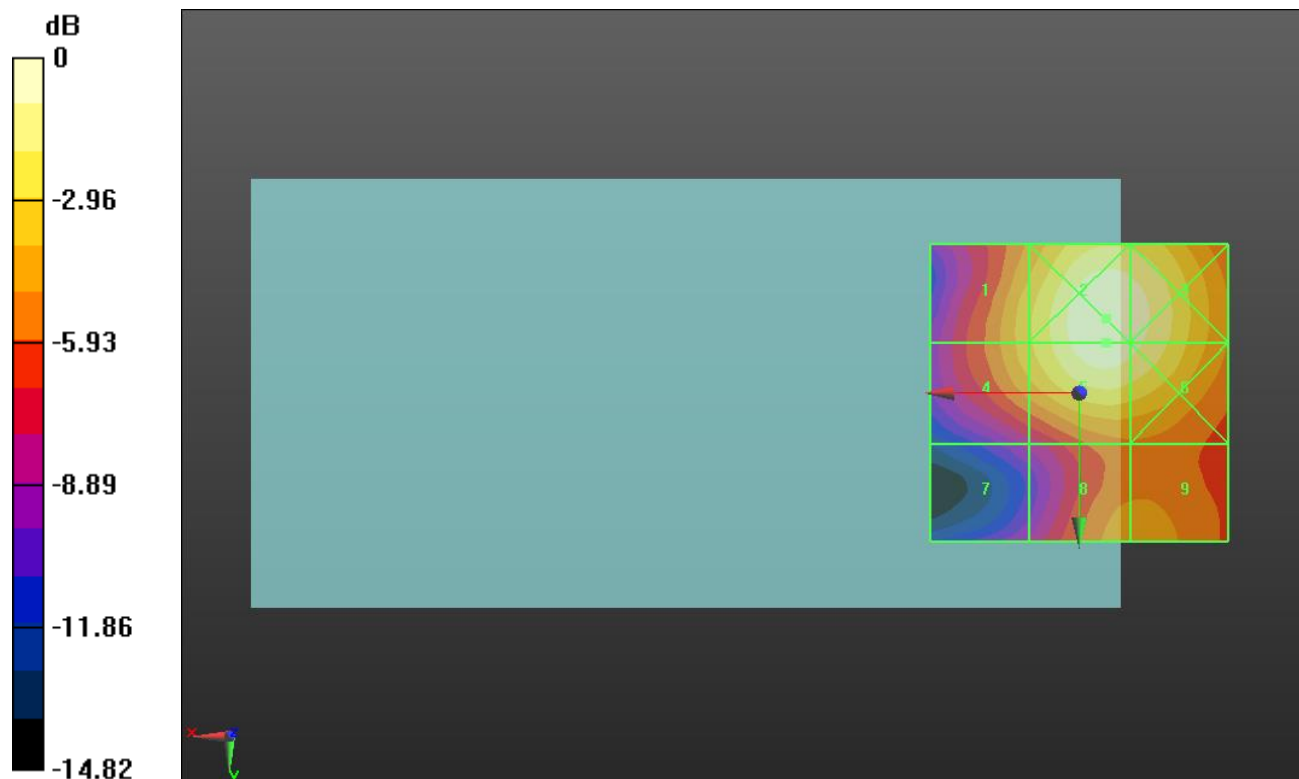
Applied MIF = -1.44 dB

RF audio interference level = 29.87 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>27 dBV/m</b>    | Grid 2 <b>M3</b><br><b>30.1 dBV/m</b>  | Grid 3 <b>M4</b><br><b>29.73 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>26.93 dBV/m</b> | Grid 5 <b>M4</b><br><b>29.87 dBV/m</b> | Grid 6 <b>M4</b><br><b>29.48 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>21.67 dBV/m</b> | Grid 8 <b>M4</b><br><b>25.72 dBV/m</b> | Grid 9 <b>M4</b><br><b>25.73 dBV/m</b> |



0 dB = 31.98 V/m = 30.10 dBV/m

## HAC-RF Emission ANT2

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 2680 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

## LTE Band 41 E-Field measurement/SC-FDMA 1RB 20 MHz 16QAM Ch. 41490/Hearing

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 42.28 V/m; Power Drift = 0.00 dB

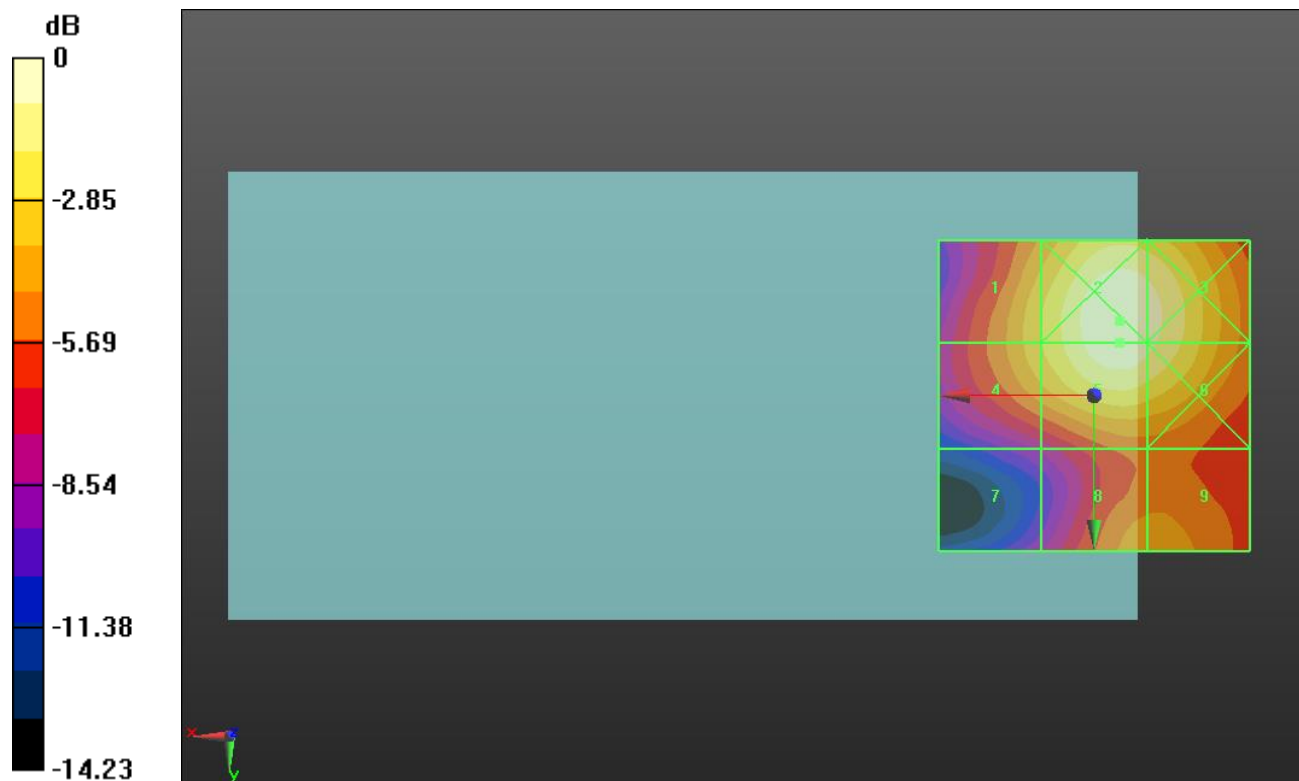
Applied MIF = -1.44 dB

RF audio interference level = 29.97 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>27.36 dBV/m</b> | Grid 2 <b>M3</b><br><b>30.17 dBV/m</b> | Grid 3 <b>M4</b><br><b>29.72 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>27.29 dBV/m</b> | Grid 5 <b>M4</b><br><b>29.97 dBV/m</b> | Grid 6 <b>M4</b><br><b>29.5 dBV/m</b>  |
| Grid 7 <b>M4</b><br><b>21.98 dBV/m</b> | Grid 8 <b>M4</b><br><b>25.96 dBV/m</b> | Grid 9 <b>M4</b><br><b>25.97 dBV/m</b> |



0 dB = 32.24 V/m = 30.17 dBV/m

## HAC-RF Emission ANT2

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 2506 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 57.59 V/m; Power Drift = 0.01 dB

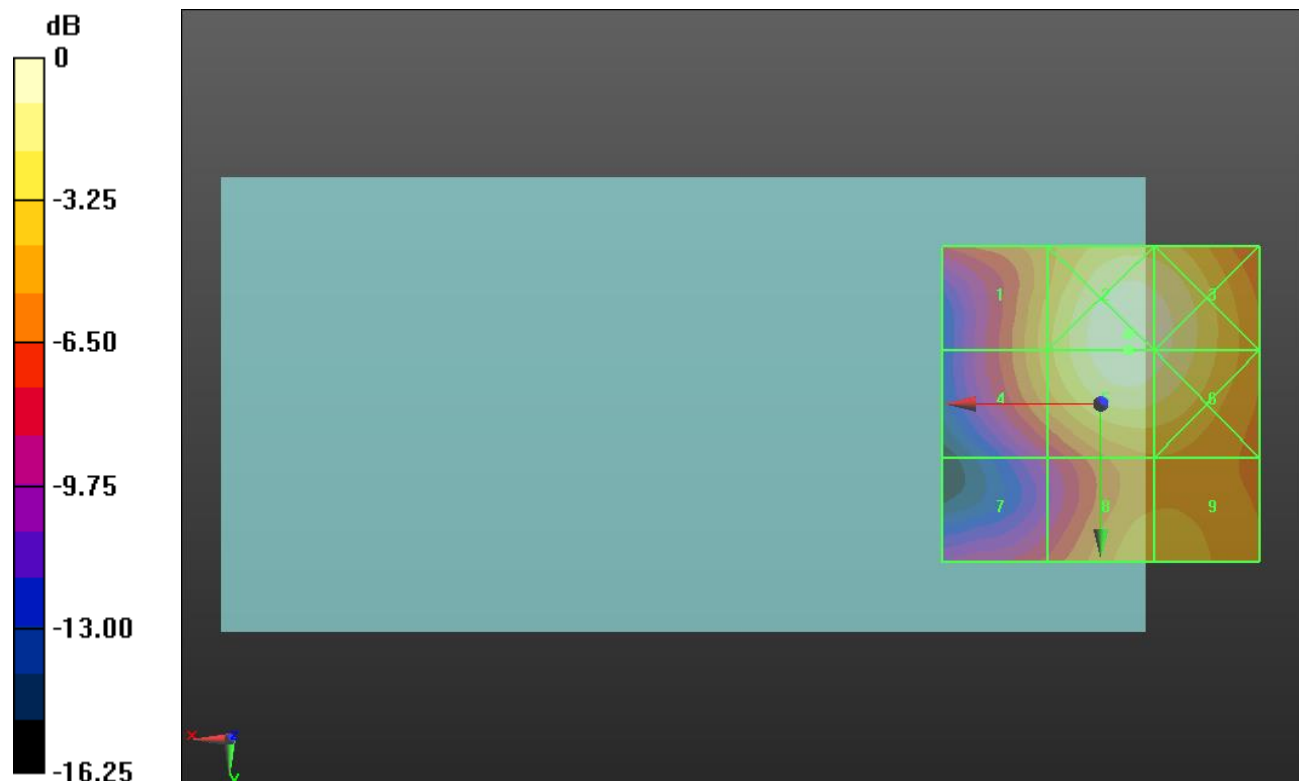
Applied MIF = -1.44 dB

RF audio interference level = 32.15 dBV/m

**Emission category: M3**

MIF scaled E-field

|                                 |                                 |                                 |
|---------------------------------|---------------------------------|---------------------------------|
| Grid 1 <b>M4</b><br>28.64 dBV/m | Grid 2 <b>M3</b><br>32.26 dBV/m | Grid 3 <b>M3</b><br>31.8 dBV/m  |
| Grid 4 <b>M4</b><br>28.6 dBV/m  | Grid 5 <b>M3</b><br>32.15 dBV/m | Grid 6 <b>M3</b><br>31.69 dBV/m |
| Grid 7 <b>M4</b><br>25.06 dBV/m | Grid 8 <b>M4</b><br>28.67 dBV/m | Grid 9 <b>M4</b><br>28.67 dBV/m |



0 dB = 41.03 V/m = 32.26 dBV/m

## HAC-RF Emission ANT2

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 2549.5 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 61.57 V/m; Power Drift = -0.03 dB

Applied MIF = -1.44 dB

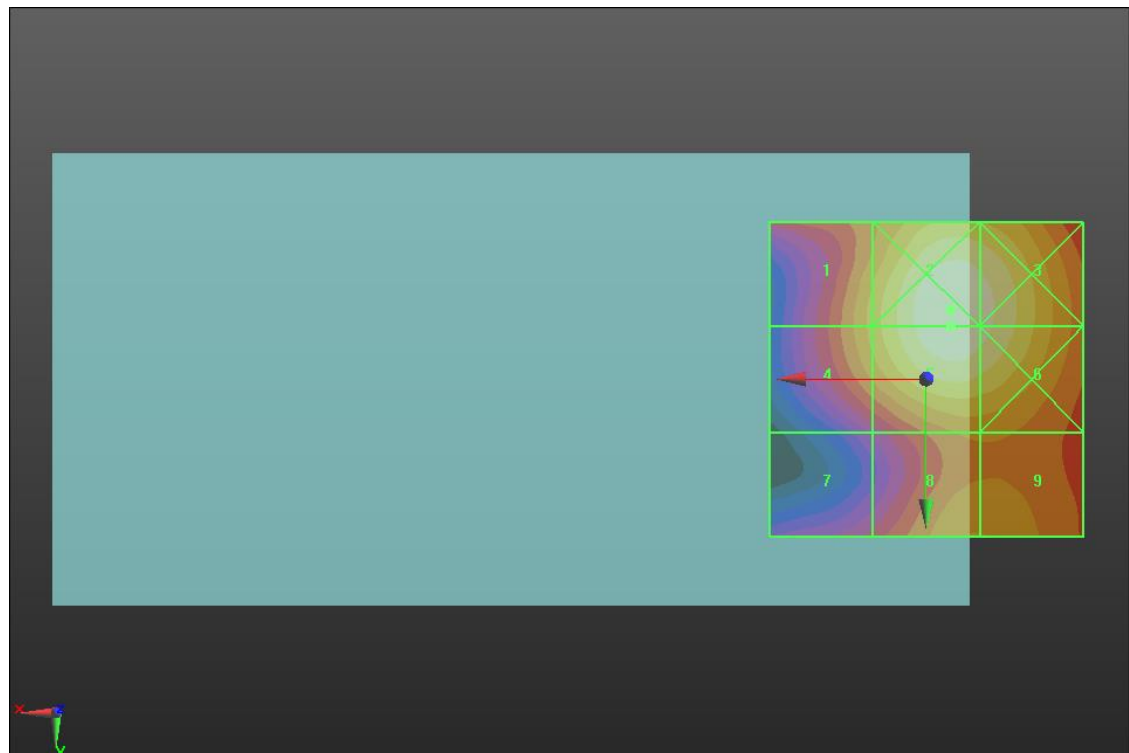
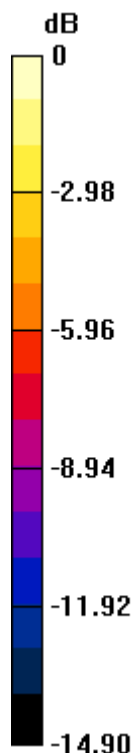
RF audio interference level = 32.62 dBV/m

**Emission category: M3**

MIF scaled E-field

|                                 |                                 |                                 |
|---------------------------------|---------------------------------|---------------------------------|
| Grid 1 <b>M4</b><br>29.21 dBV/m | Grid 2 <b>M3</b><br>32.71 dBV/m | Grid 3 <b>M3</b><br>32.22 dBV/m |
| Grid 4 <b>M4</b><br>29.18 dBV/m | Grid 5 <b>M3</b><br>32.62 dBV/m | Grid 6 <b>M3</b><br>32.13 dBV/m |
| Grid 7 <b>M4</b><br>25.2 dBV/m  | Grid 8 <b>M4</b><br>28.79 dBV/m | Grid 9 <b>M4</b><br>28.78 dBV/m |

mm



0 dB = 43.19 V/m = 32.71 dBV/m

## HAC-RF Emission ANT2

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 2593 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 65.71 V/m; Power Drift = -0.01 dB

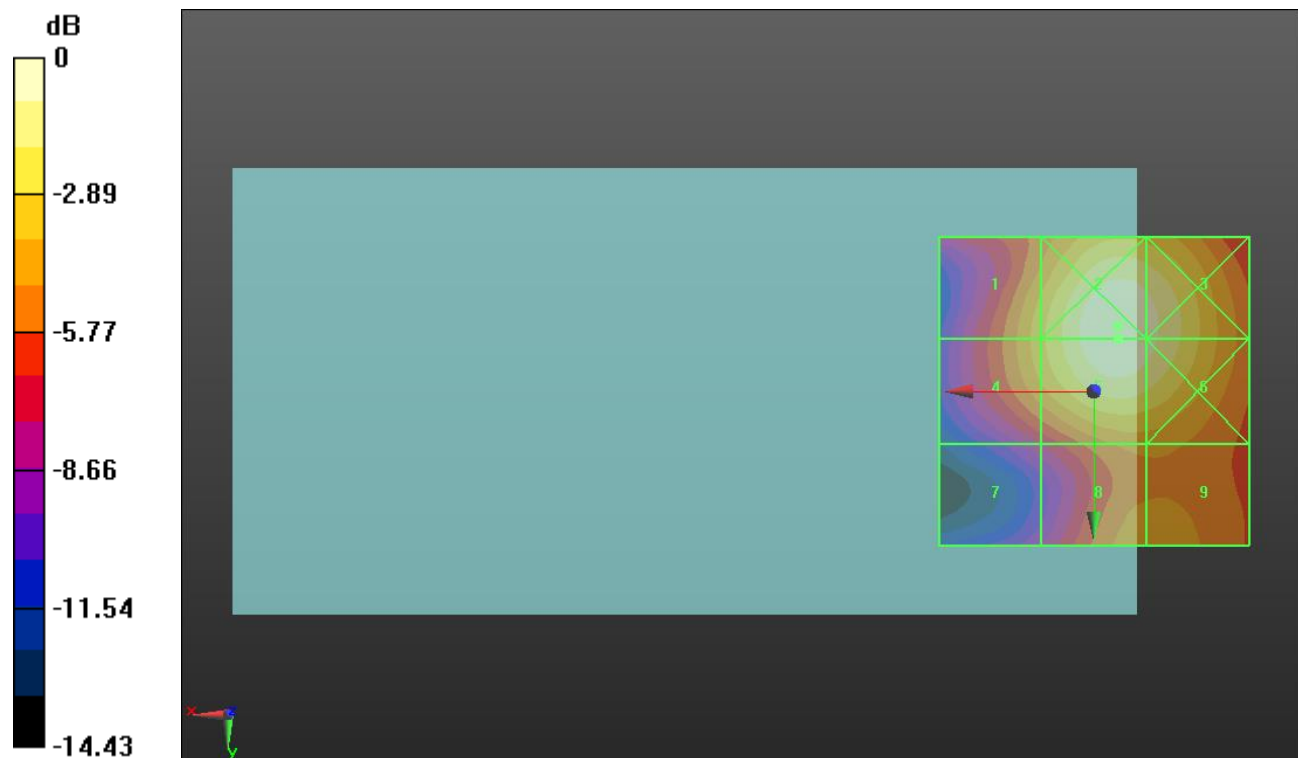
Applied MIF = -1.44 dB

RF audio interference level = 32.87 dBV/m

**Emission category: M3**

MIF scaled E-field

|                                 |                                 |                                 |
|---------------------------------|---------------------------------|---------------------------------|
| Grid 1 <b>M4</b><br>29.77 dBV/m | Grid 2 <b>M3</b><br>32.91 dBV/m | Grid 3 <b>M3</b><br>32.36 dBV/m |
| Grid 4 <b>M4</b><br>29.77 dBV/m | Grid 5 <b>M3</b><br>32.87 dBV/m | Grid 6 <b>M3</b><br>32.32 dBV/m |
| Grid 7 <b>M4</b><br>25.27 dBV/m | Grid 8 <b>M4</b><br>28.74 dBV/m | Grid 9 <b>M4</b><br>28.74 dBV/m |



0 dB = 44.22 V/m = 32.91 dBV/m

## HAC-RF Emission ANT2

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 2636.5 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 67.52 V/m; Power Drift = 0.01 dB

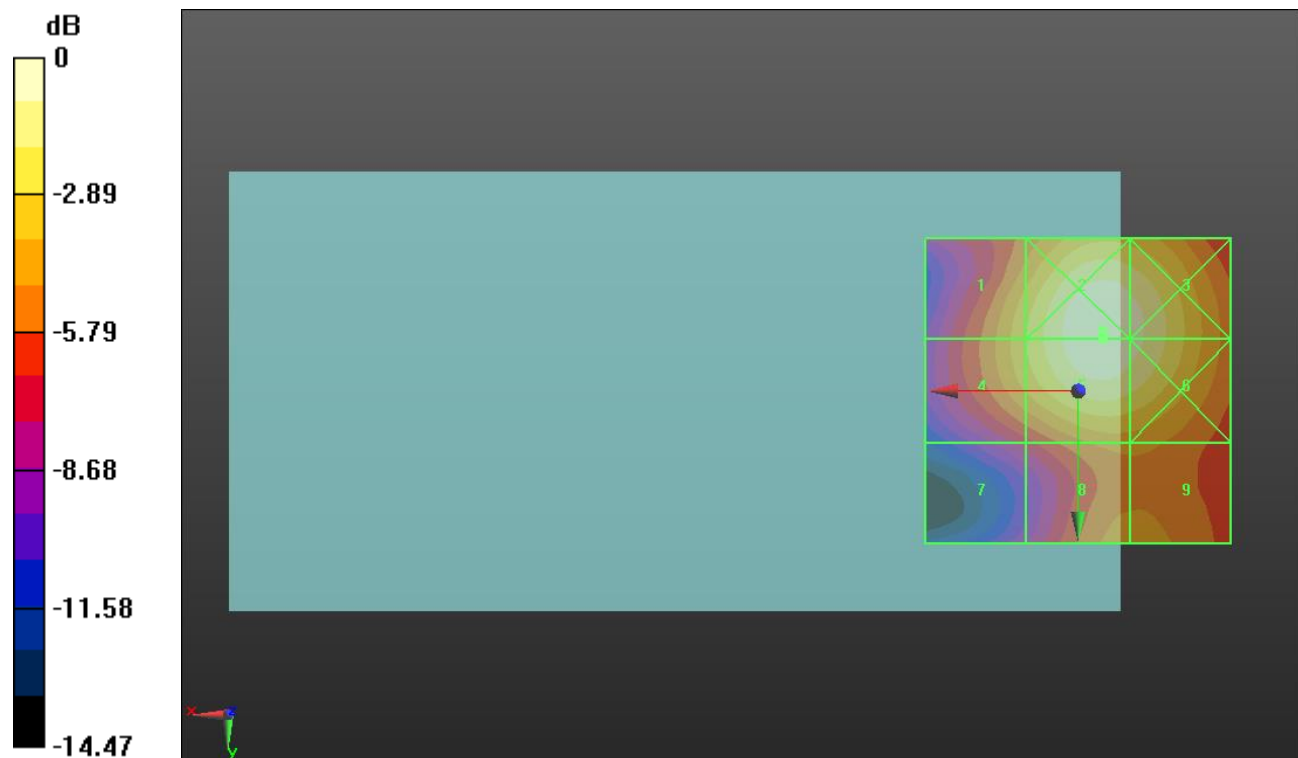
Applied MIF = -1.44 dB

RF audio interference level = 32.98 dBV/m

**Emission category: M3**

MIF scaled E-field

|                                 |                                 |                                 |
|---------------------------------|---------------------------------|---------------------------------|
| Grid 1 <b>M3</b><br>30.14 dBV/m | Grid 2 <b>M3</b><br>33.02 dBV/m | Grid 3 <b>M3</b><br>32.54 dBV/m |
| Grid 4 <b>M3</b><br>30.14 dBV/m | Grid 5 <b>M3</b><br>32.98 dBV/m | Grid 6 <b>M3</b><br>32.5 dBV/m  |
| Grid 7 <b>M4</b><br>25.86 dBV/m | Grid 8 <b>M4</b><br>28.68 dBV/m | Grid 9 <b>M4</b><br>28.68 dBV/m |



0 dB = 44.77 V/m = 33.02 dBV/m

## HAC-RF Emission ANT2

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 2680 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 65.62 V/m; Power Drift = 0.04 dB

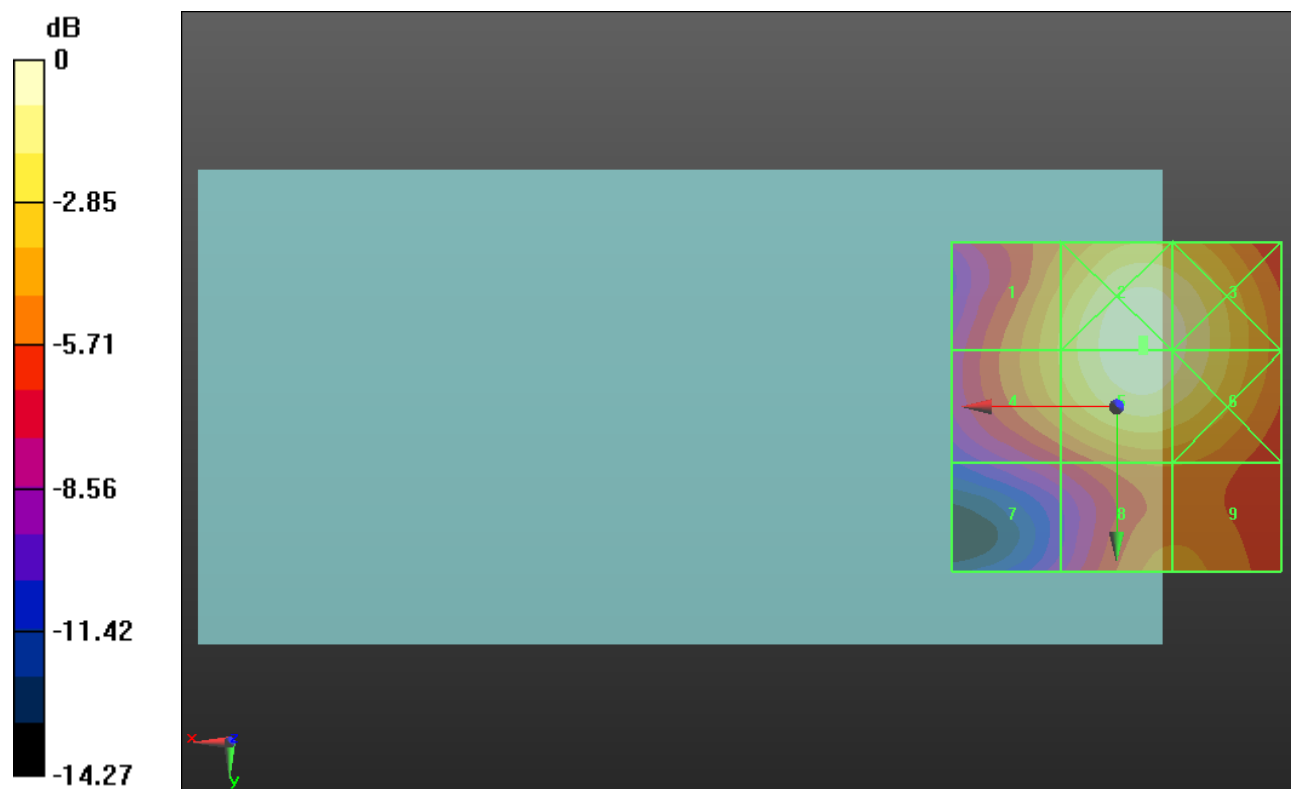
Applied MIF = -1.44 dB

RF audio interference level = 32.72 dBV/m

**Emission category: M3**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M3</b><br><b>30.05 dBV/m</b> | Grid 2 <b>M3</b><br><b>32.76 dBV/m</b> | Grid 3 <b>M3</b><br><b>32.24 dBV/m</b> |
| Grid 4 <b>M3</b><br><b>30.05 dBV/m</b> | Grid 5 <b>M3</b><br><b>32.72 dBV/m</b> | Grid 6 <b>M3</b><br><b>32.22 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>25.72 dBV/m</b> | Grid 8 <b>M4</b><br><b>28.42 dBV/m</b> | Grid 9 <b>M4</b><br><b>28.41 dBV/m</b> |



0 dB = 43.43 V/m = 32.76 dBV/m

## HAC-RF Emission ANT3

Communication System: UID 10021 - CAA, 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) @ 1850.2 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

## 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 = 15.92 V/m; Power Drift = -0.04 dB

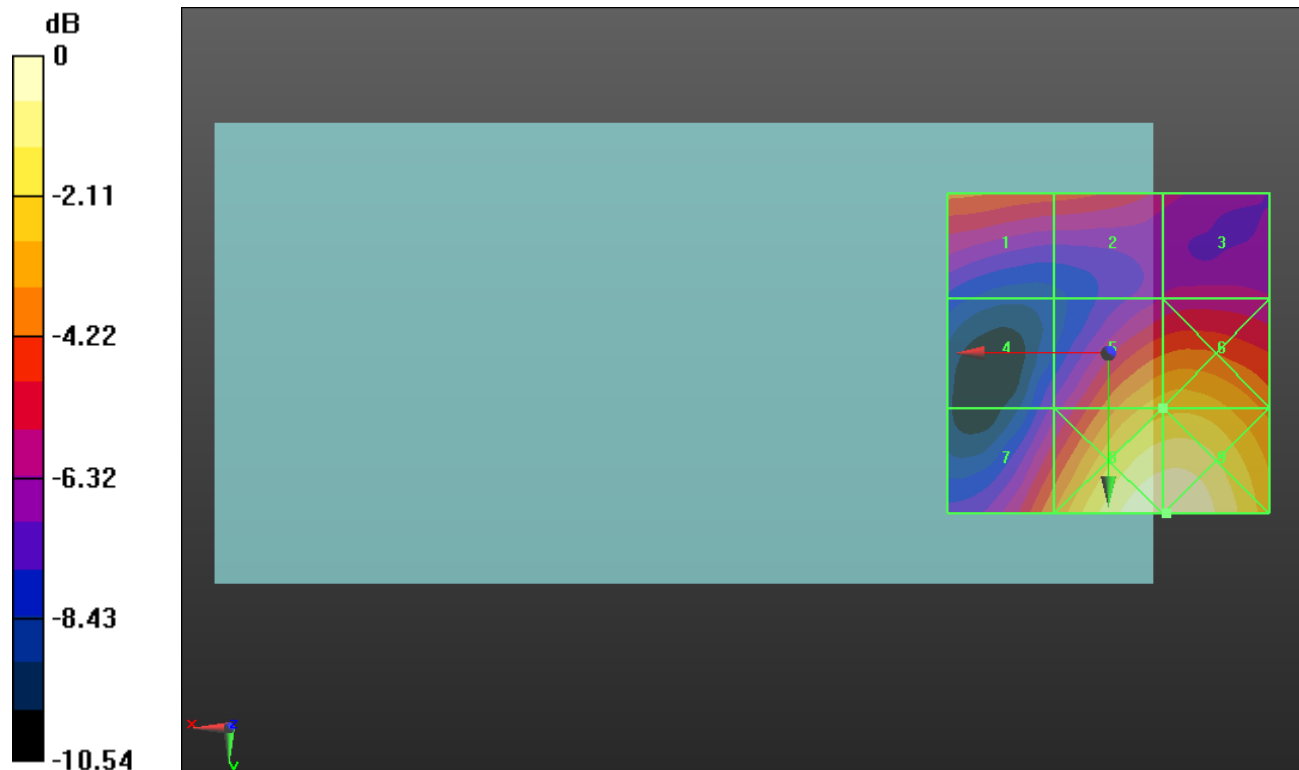
Applied MIF = 3.63 dB

RF audio interference level = 29.51 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>27.92 dBV/m</b> | Grid 2 <b>M4</b><br><b>27.37 dBV/m</b> | Grid 3 <b>M4</b><br><b>26.01 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>25.13 dBV/m</b> | Grid 5 <b>M4</b><br><b>29.51 dBV/m</b> | Grid 6 <b>M4</b><br><b>29.63 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>28.39 dBV/m</b> | Grid 8 <b>M3</b><br><b>31.87 dBV/m</b> | Grid 9 <b>M3</b><br><b>31.88 dBV/m</b> |



0 dB = 39.24 V/m = 31.87 dBV/m

## HAC-RF Emission ANT3

Communication System: UID 10021 - CAA, 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) @ 1880 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

## 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 = 13.77 V/m; Power Drift = -0.18 dB

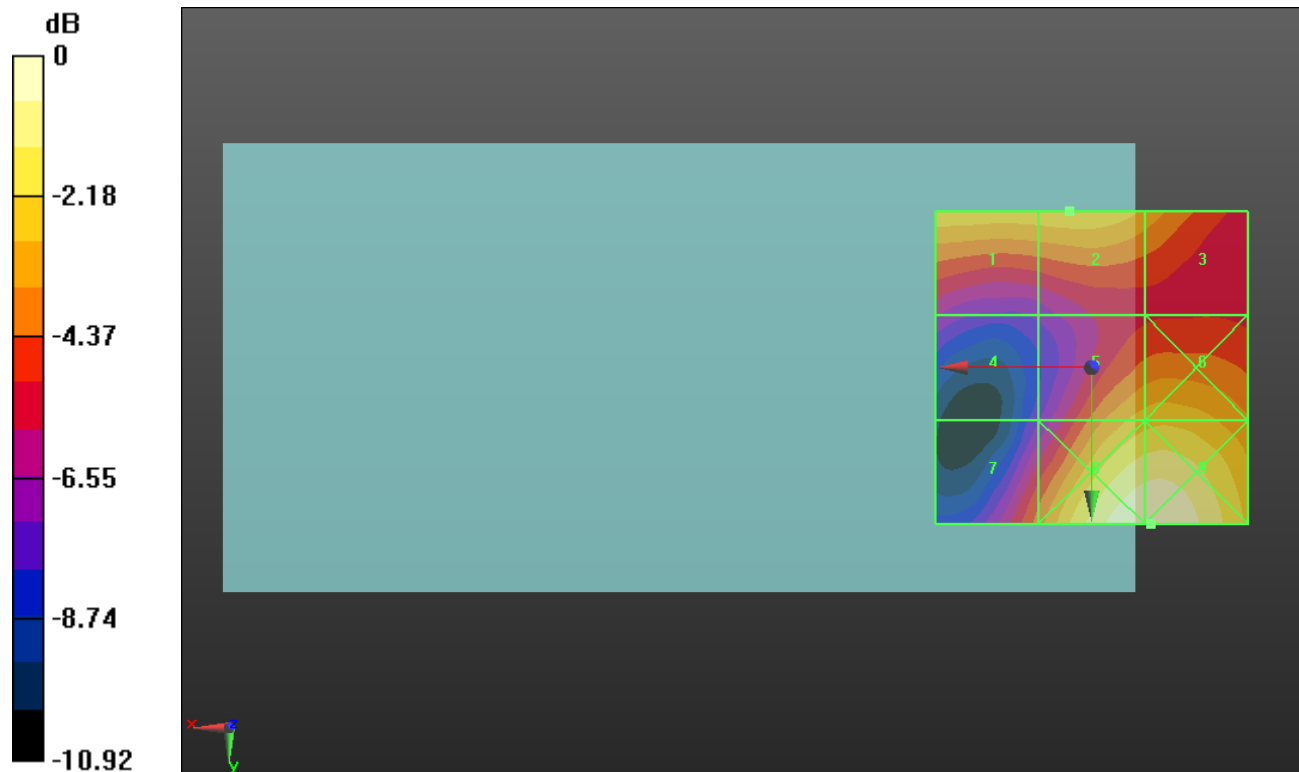
Applied MIF = 3.63 dB

RF audio interference level = 28.44 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>28.37 dBV/m</b> | Grid 2 <b>M4</b><br><b>28.44 dBV/m</b> | Grid 3 <b>M4</b><br><b>27.57 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>24.26 dBV/m</b> | Grid 5 <b>M4</b><br><b>28.17 dBV/m</b> | Grid 6 <b>M4</b><br><b>28.34 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>26.69 dBV/m</b> | Grid 8 <b>M3</b><br><b>30.64 dBV/m</b> | Grid 9 <b>M3</b><br><b>30.66 dBV/m</b> |



0 dB = 34.11 V/m = 30.66 dBV/m

## HAC-RF Emission ANT3

Communication System: UID 10021 - CAA, 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) @ 1909.8 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

## 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 = 15.11 V/m; Power Drift = -0.10 dB

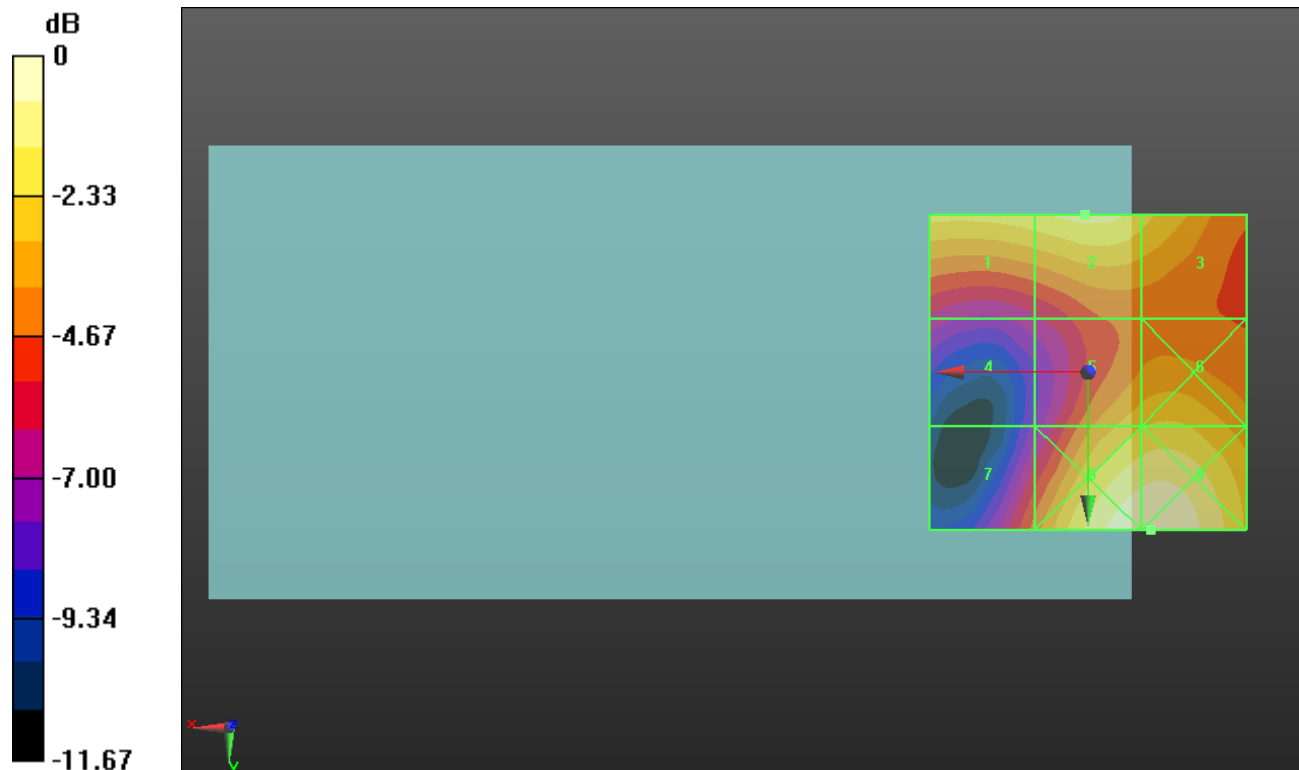
Applied MIF = 3.63 dB

RF audio interference level = 29.67 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>29.21 dBV/m</b> | Grid 2 <b>M4</b><br><b>29.67 dBV/m</b> | Grid 3 <b>M4</b><br><b>28.93 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>24.56 dBV/m</b> | Grid 5 <b>M4</b><br><b>28.51 dBV/m</b> | Grid 6 <b>M4</b><br><b>28.75 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>26.61 dBV/m</b> | Grid 8 <b>M3</b><br><b>30.88 dBV/m</b> | Grid 9 <b>M3</b><br><b>30.93 dBV/m</b> |



0 dB = 35.18 V/m = 30.93 dBV/m

## HAC-RF Emission ANT3

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 2506 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 36.46 V/m; Power Drift = -0.03 dB

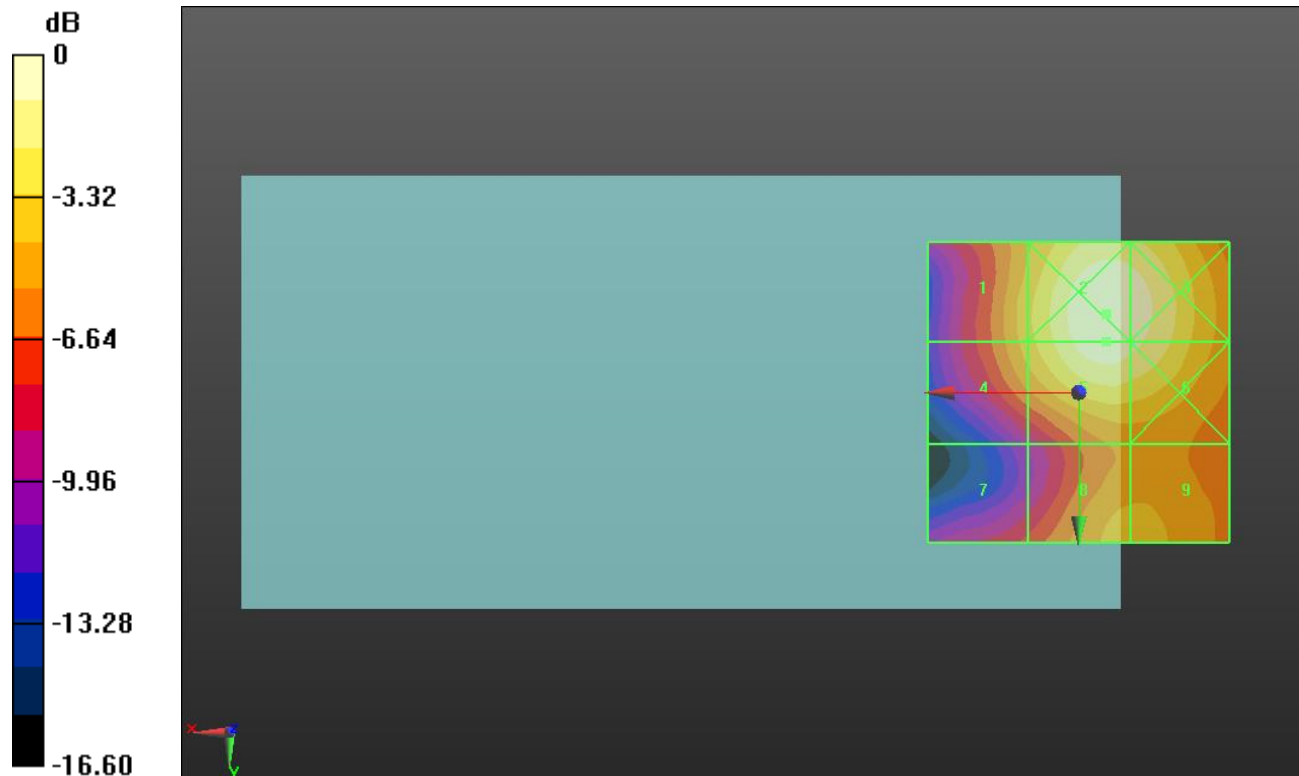
Applied MIF = -1.44 dB

RF audio interference level = 29.23 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                 |                                 |                                 |
|---------------------------------|---------------------------------|---------------------------------|
| Grid 1 <b>M4</b><br>25.98 dBV/m | Grid 2 <b>M4</b><br>29.58 dBV/m | Grid 3 <b>M4</b><br>29.21 dBV/m |
| Grid 4 <b>M4</b><br>25.76 dBV/m | Grid 5 <b>M4</b><br>29.23 dBV/m | Grid 6 <b>M4</b><br>28.85 dBV/m |
| Grid 7 <b>M4</b><br>22.25 dBV/m | Grid 8 <b>M4</b><br>25.58 dBV/m | Grid 9 <b>M4</b><br>25.58 dBV/m |



0 dB = 30.12 V/m = 29.58 dBV/m

## HAC-RF Emission ANT3

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 2549.5 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 38.45 V/m; Power Drift = 0.04 dB

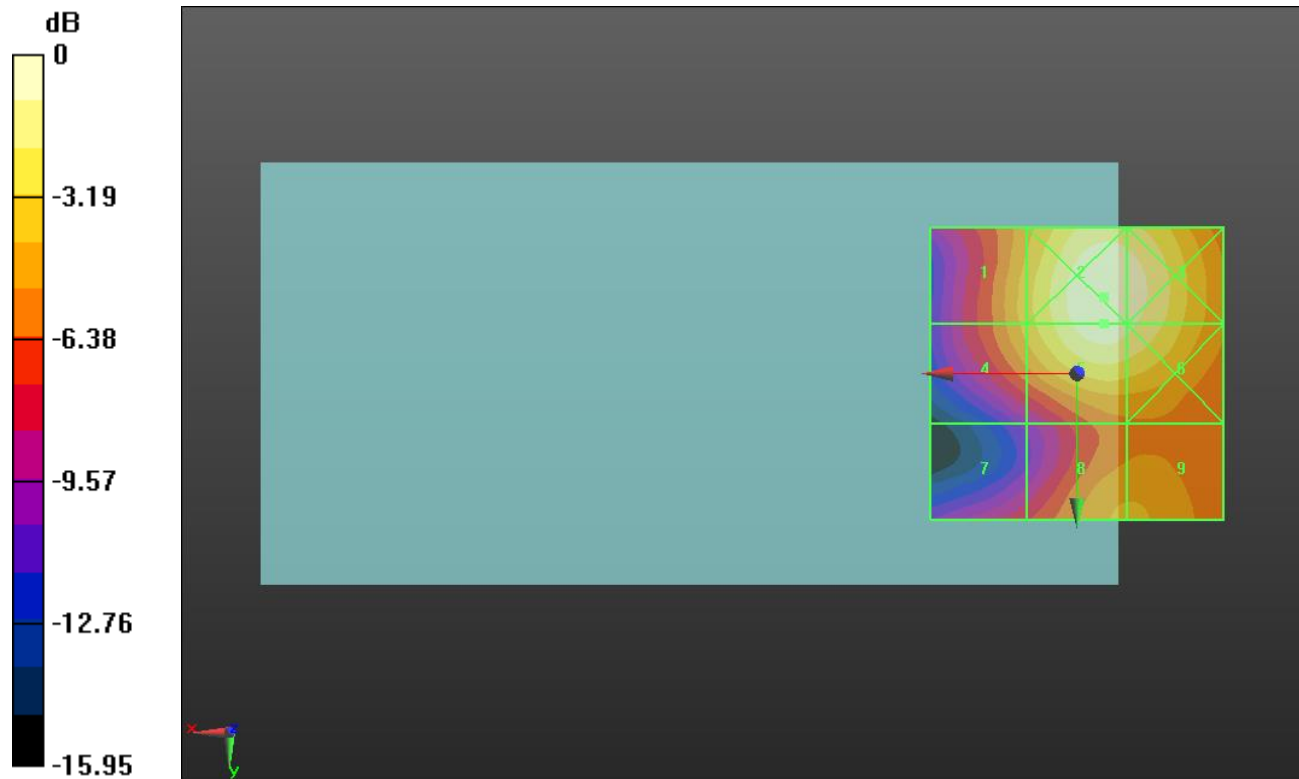
Applied MIF = -1.44 dB

RF audio interference level = 29.78 dBV/m

Emission category: **M4**

MIF scaled E-field

|                                 |                                 |                                 |
|---------------------------------|---------------------------------|---------------------------------|
| Grid 1 <b>M4</b><br>26.61 dBV/m | Grid 2 <b>M3</b><br>30.14 dBV/m | Grid 3 <b>M4</b><br>29.76 dBV/m |
| Grid 4 <b>M4</b><br>26.41 dBV/m | Grid 5 <b>M4</b><br>29.78 dBV/m | Grid 6 <b>M4</b><br>29.38 dBV/m |
| Grid 7 <b>M4</b><br>22.65 dBV/m | Grid 8 <b>M4</b><br>26.1 dBV/m  | Grid 9 <b>M4</b><br>26.1 dBV/m  |



0 dB = 32.14 V/m = 30.14 dBV/m

## HAC-RF Emission ANT3

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 2593 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 41.15 V/m; Power Drift = -0.07 dB

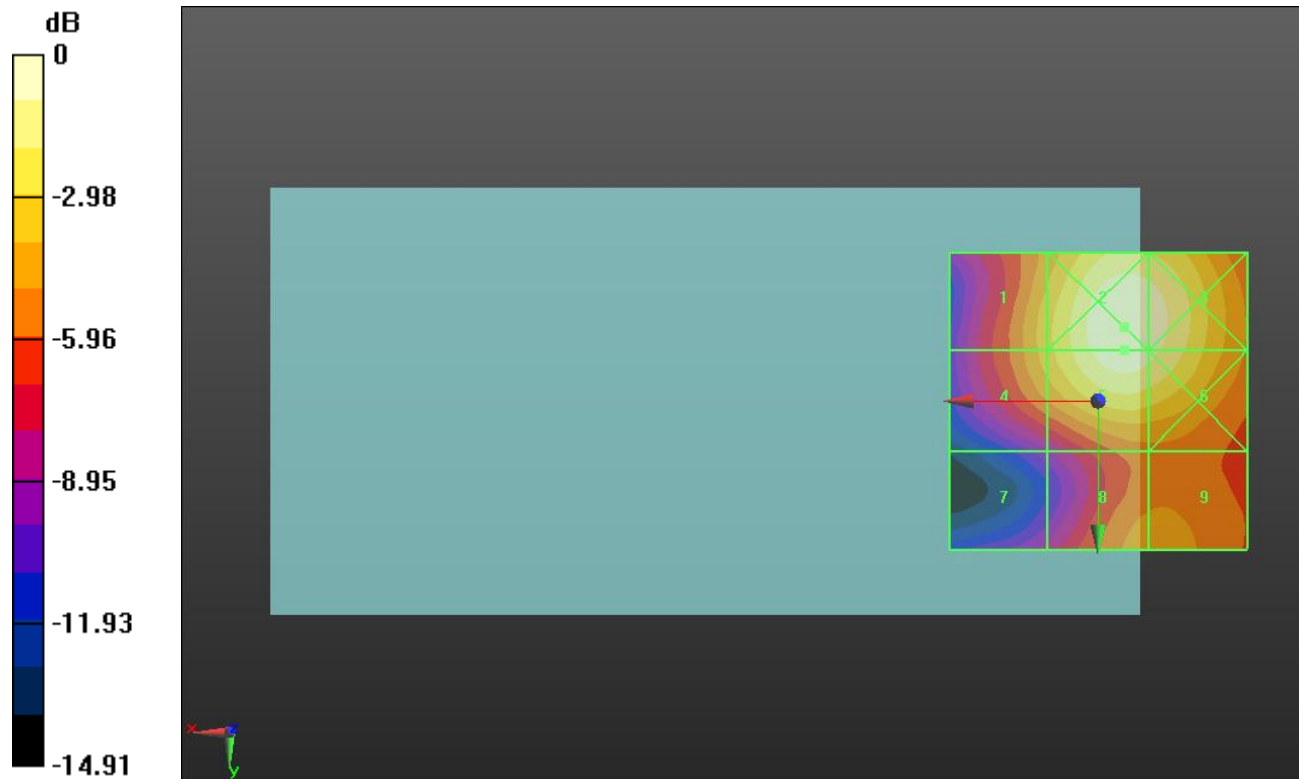
Applied MIF = -1.44 dB

RF audio interference level = 29.94 dBV/m

Emission category: **M4**

MIF scaled E-field

|                                 |                                 |                                 |
|---------------------------------|---------------------------------|---------------------------------|
| Grid 1 <b>M4</b><br>26.98 dBV/m | Grid 2 <b>M3</b><br>30.22 dBV/m | Grid 3 <b>M4</b><br>29.85 dBV/m |
| Grid 4 <b>M4</b><br>26.86 dBV/m | Grid 5 <b>M4</b><br>29.94 dBV/m | Grid 6 <b>M4</b><br>29.54 dBV/m |
| Grid 7 <b>M4</b><br>21.82 dBV/m | Grid 8 <b>M4</b><br>25.78 dBV/m | Grid 9 <b>M4</b><br>25.81 dBV/m |



0 dB = 32.45 V/m = 30.22 dBV/m

## HAC-RF Emission ANT3

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 2636.5 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

## LTE Band 41 E-Field measurement/SC-FDMA 1RB 20 MHz 16QAM Ch. 41055/Hearing

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 41.72 V/m; Power Drift = 0.03 dB

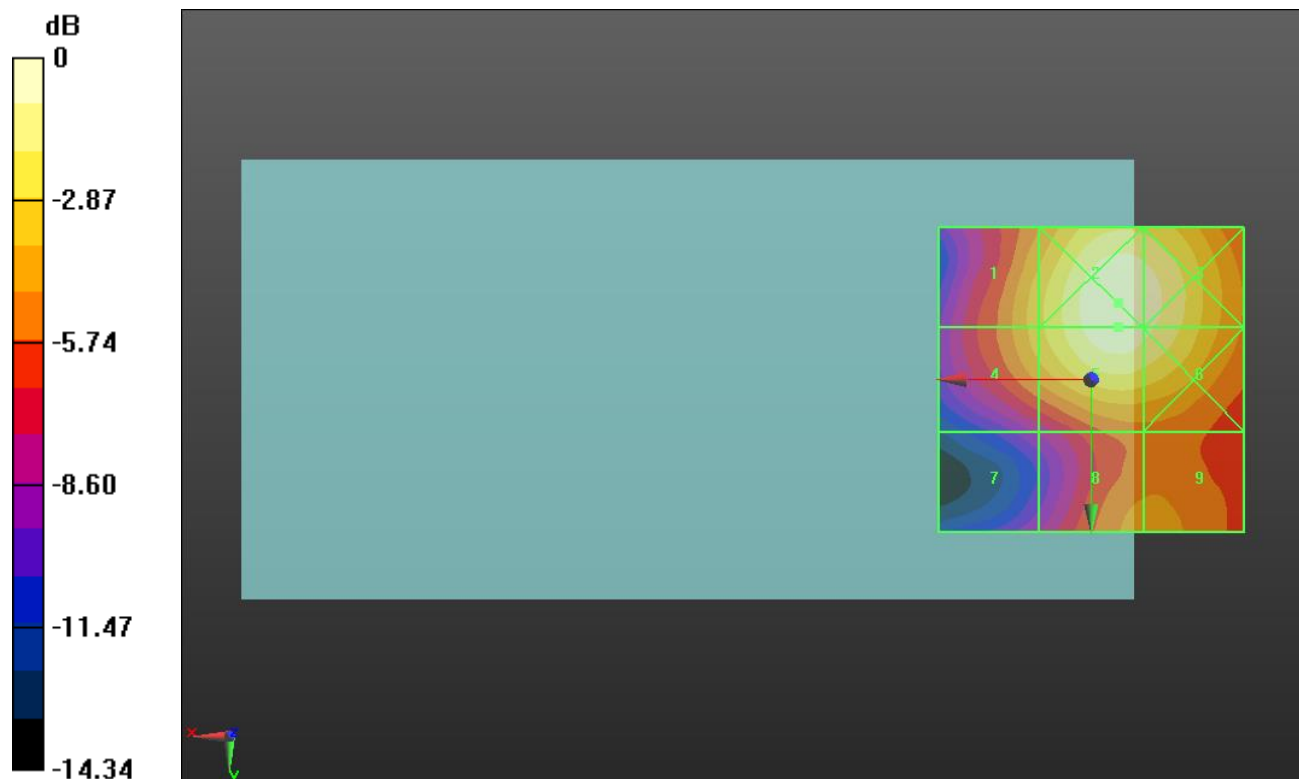
Applied MIF = -1.44 dB

RF audio interference level = 29.92 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>27.07 dBV/m</b> | Grid 2 <b>M3</b><br><b>30.14 dBV/m</b> | Grid 3 <b>M4</b><br><b>29.76 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>27.01 dBV/m</b> | Grid 5 <b>M4</b><br><b>29.92 dBV/m</b> | Grid 6 <b>M4</b><br><b>29.51 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>21.82 dBV/m</b> | Grid 8 <b>M4</b><br><b>25.77 dBV/m</b> | Grid 9 <b>M4</b><br><b>25.79 dBV/m</b> |



0 dB = 32.14 V/m = 30.14 dBV/m

## HAC-RF Emission ANT3

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 2680 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

## LTE Band 41 E-Field measurement/SC-FDMA 1RB 20 MHz 16QAM Ch. 41490/Hearing

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 42.18 V/m; Power Drift = 0.01 dB

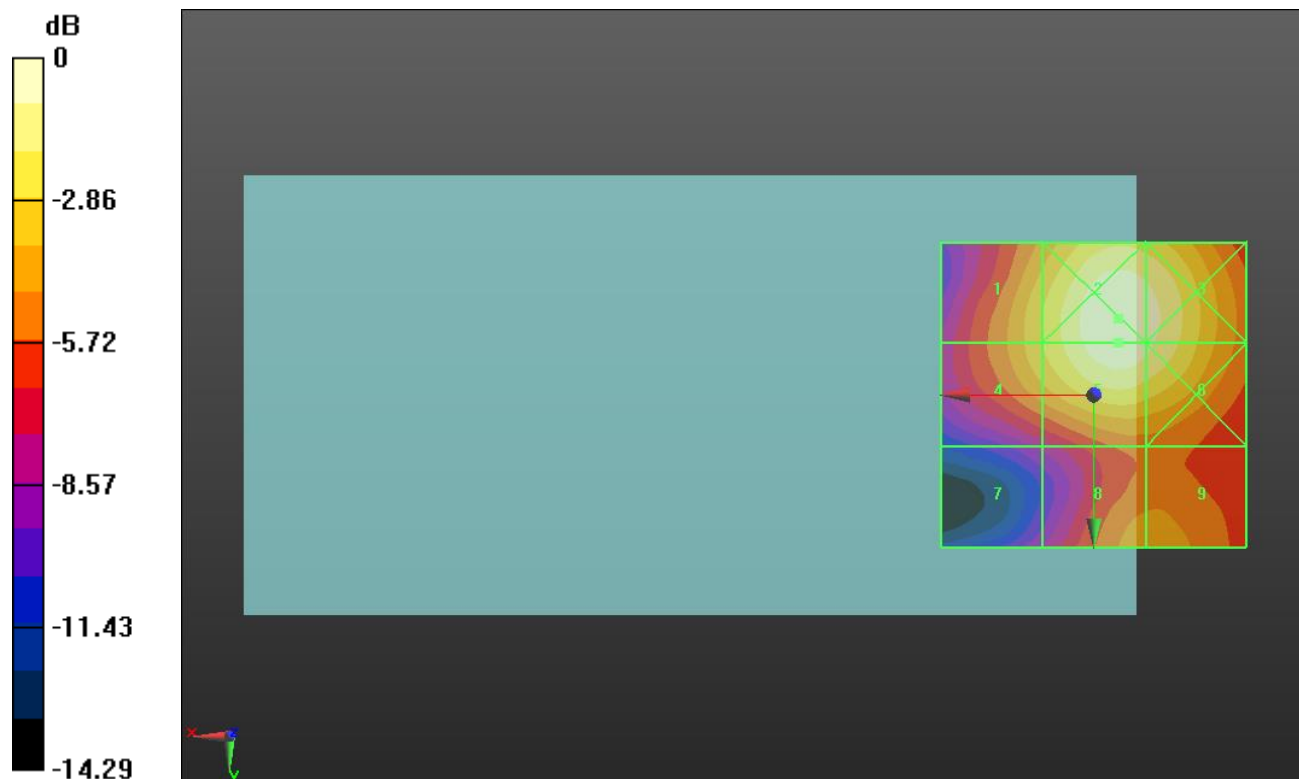
Applied MIF = -1.44 dB

RF audio interference level = 29.92 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>27.33 dBV/m</b> | Grid 2 <b>M3</b><br><b>30.13 dBV/m</b> | Grid 3 <b>M4</b><br><b>29.67 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>27.26 dBV/m</b> | Grid 5 <b>M4</b><br><b>29.92 dBV/m</b> | Grid 6 <b>M4</b><br><b>29.45 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>21.92 dBV/m</b> | Grid 8 <b>M4</b><br><b>25.88 dBV/m</b> | Grid 9 <b>M4</b><br><b>25.9 dBV/m</b>  |



0 dB = 32.11 V/m = 30.13 dBV/m

## AC-RF Emission ANT3

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 2506 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 16.68 V/m; Power Drift = -0.06 dB

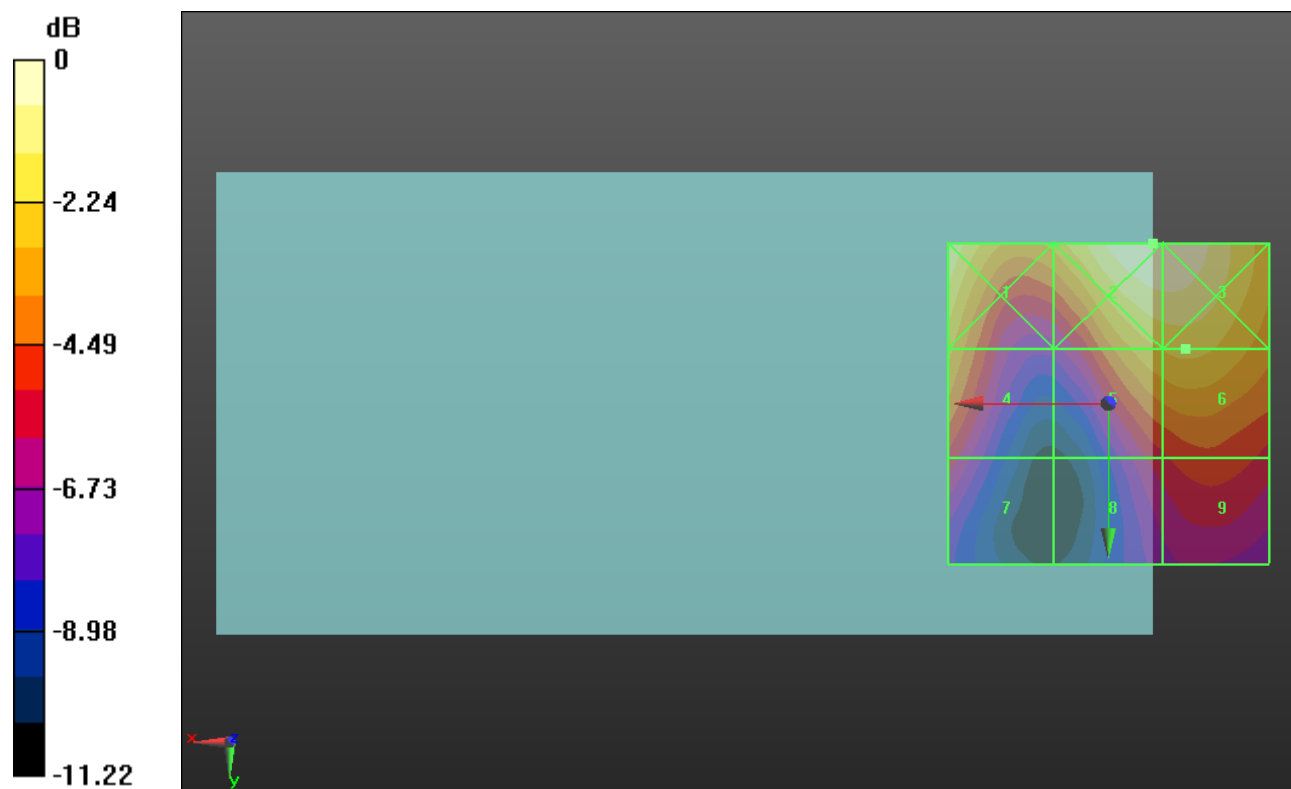
Applied MIF = -1.44 dB

RF audio interference level = 25.62 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>27.02 dBV/m</b> | Grid 2 <b>M4</b><br><b>27.63 dBV/m</b> | Grid 3 <b>M4</b><br><b>27.6 dBV/m</b>  |
| Grid 4 <b>M4</b><br><b>24.93 dBV/m</b> | Grid 5 <b>M4</b><br><b>25.44 dBV/m</b> | Grid 6 <b>M4</b><br><b>25.62 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>22.23 dBV/m</b> | Grid 8 <b>M4</b><br><b>22.26 dBV/m</b> | Grid 9 <b>M4</b><br><b>22.96 dBV/m</b> |



0 dB = 24.08 V/m = 27.63 dBV/m

## HAC-RF Emission ANT3

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 2549.5 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 19.48 V/m; Power Drift = 0.00 dB

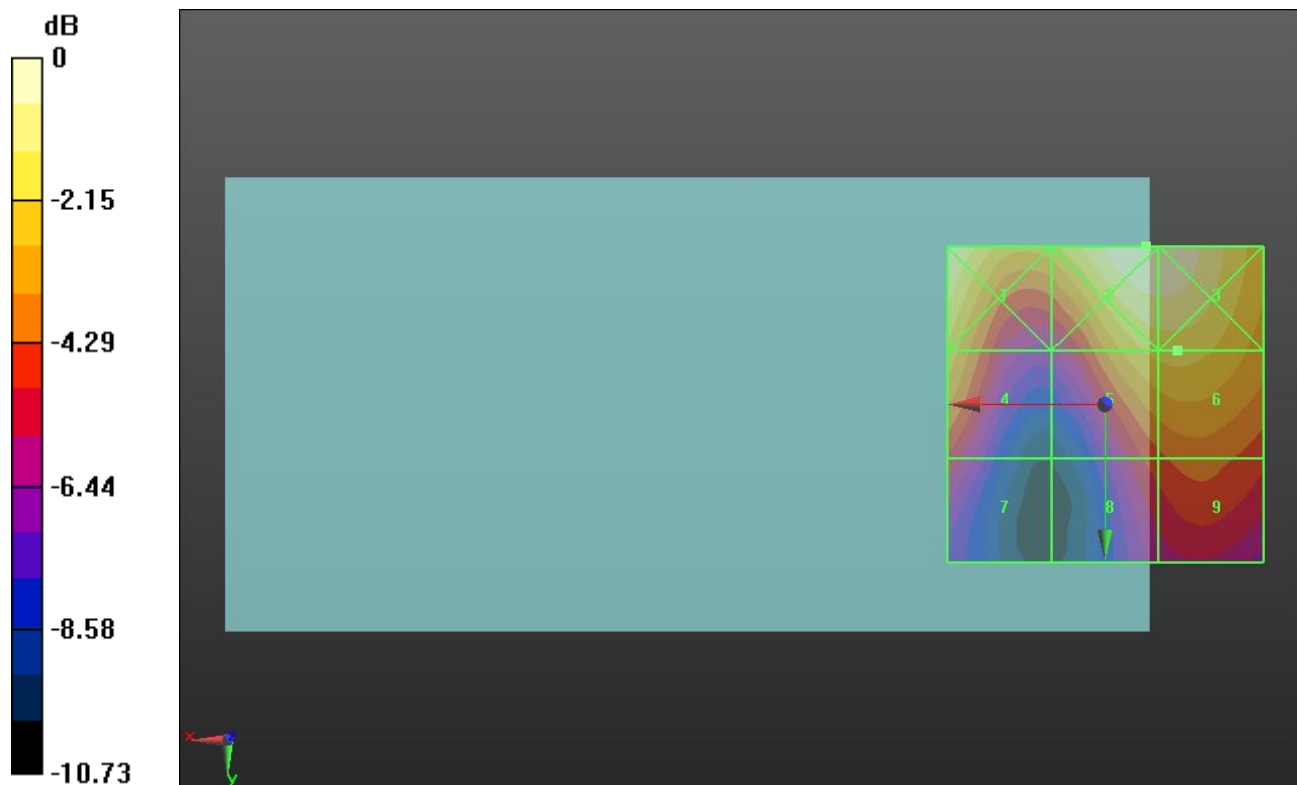
Applied MIF = -1.44 dB

RF audio interference level = 26.73 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>28.35 dBV/m</b> | Grid 2 <b>M4</b><br><b>28.55 dBV/m</b> | Grid 3 <b>M4</b><br><b>28.47 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>26.3 dBV/m</b>  | Grid 5 <b>M4</b><br><b>26.62 dBV/m</b> | Grid 6 <b>M4</b><br><b>26.73 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>23.49 dBV/m</b> | Grid 8 <b>M4</b><br><b>24.07 dBV/m</b> | Grid 9 <b>M4</b><br><b>24.64 dBV/m</b> |



0 dB = 26.75 V/m = 28.55 dBV/m

## HAC-RF Emission ANT3

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 2593 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 14.44 V/m; Power Drift = -0.03 dB

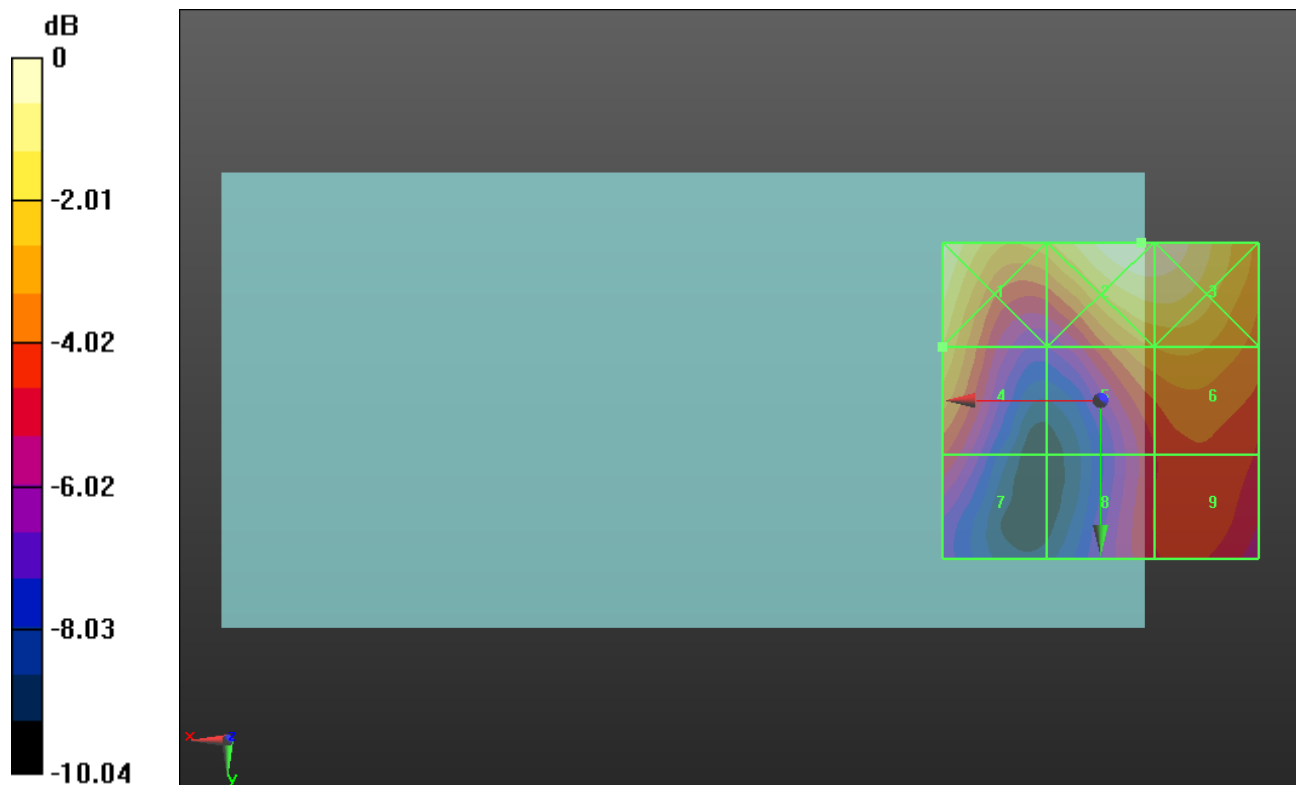
Applied MIF = -1.44 dB

RF audio interference level = 25.20 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>26.85 dBV/m</b> | Grid 2 <b>M4</b><br><b>27.19 dBV/m</b> | Grid 3 <b>M4</b><br><b>27.13 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>25.2 dBV/m</b>  | Grid 5 <b>M4</b><br><b>24.55 dBV/m</b> | Grid 6 <b>M4</b><br><b>24.72 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>22.63 dBV/m</b> | Grid 8 <b>M4</b><br><b>22.58 dBV/m</b> | Grid 9 <b>M4</b><br><b>23.11 dBV/m</b> |



0 dB = 22.88 V/m = 27.19 dBV/m

## HAC-RF Emission ANT3

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 2636.5 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 11.48 V/m; Power Drift = -0.09 dB

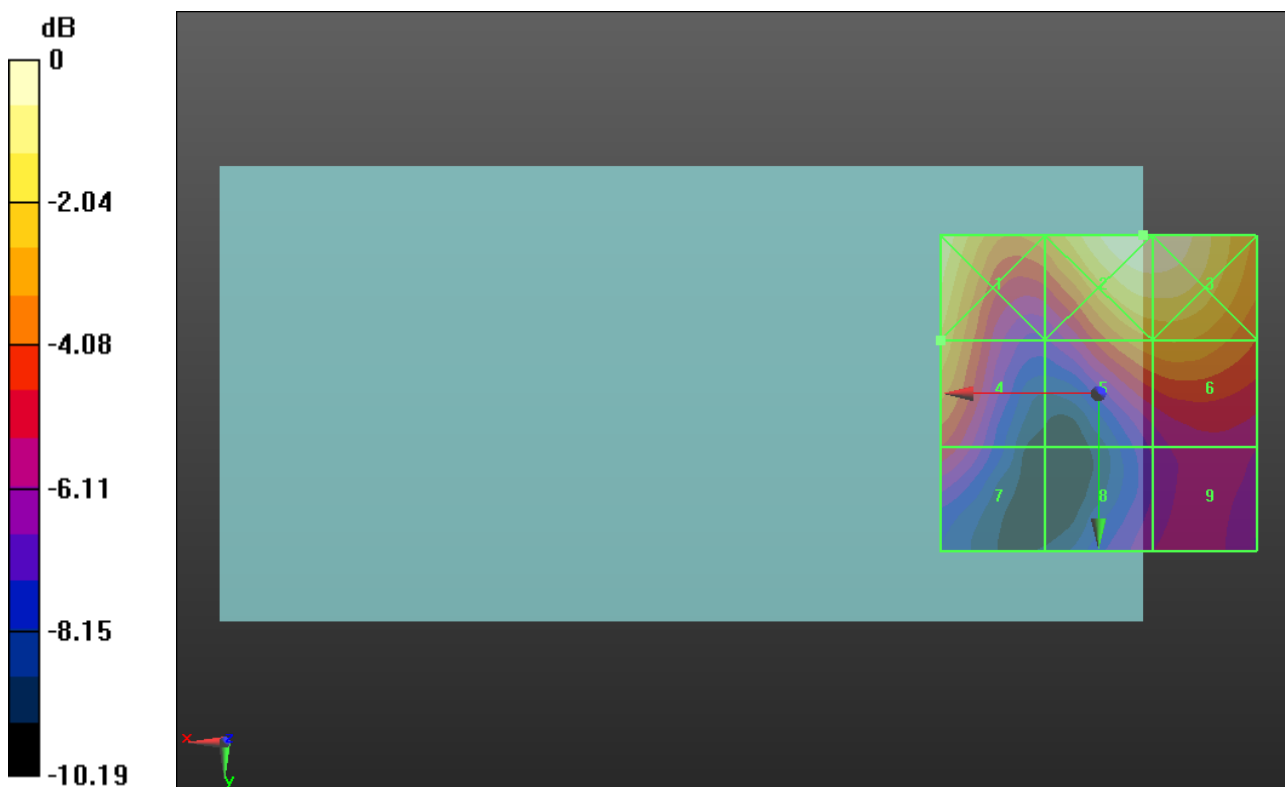
Applied MIF = -1.44 dB

RF audio interference level = 23.78 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>25.32 dBV/m</b> | Grid 2 <b>M4</b><br><b>25.9 dBV/m</b>  | Grid 3 <b>M4</b><br><b>25.86 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>23.78 dBV/m</b> | Grid 5 <b>M4</b><br><b>23.12 dBV/m</b> | Grid 6 <b>M4</b><br><b>23.28 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>21.14 dBV/m</b> | Grid 8 <b>M4</b><br><b>19.79 dBV/m</b> | Grid 9 <b>M4</b><br><b>20.27 dBV/m</b> |



0 dB = 19.73 V/m = 25.90 dBV/m

## HAC-RF Emission ANT3

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 2680 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

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

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 11.39 V/m; Power Drift = -0.07 dB

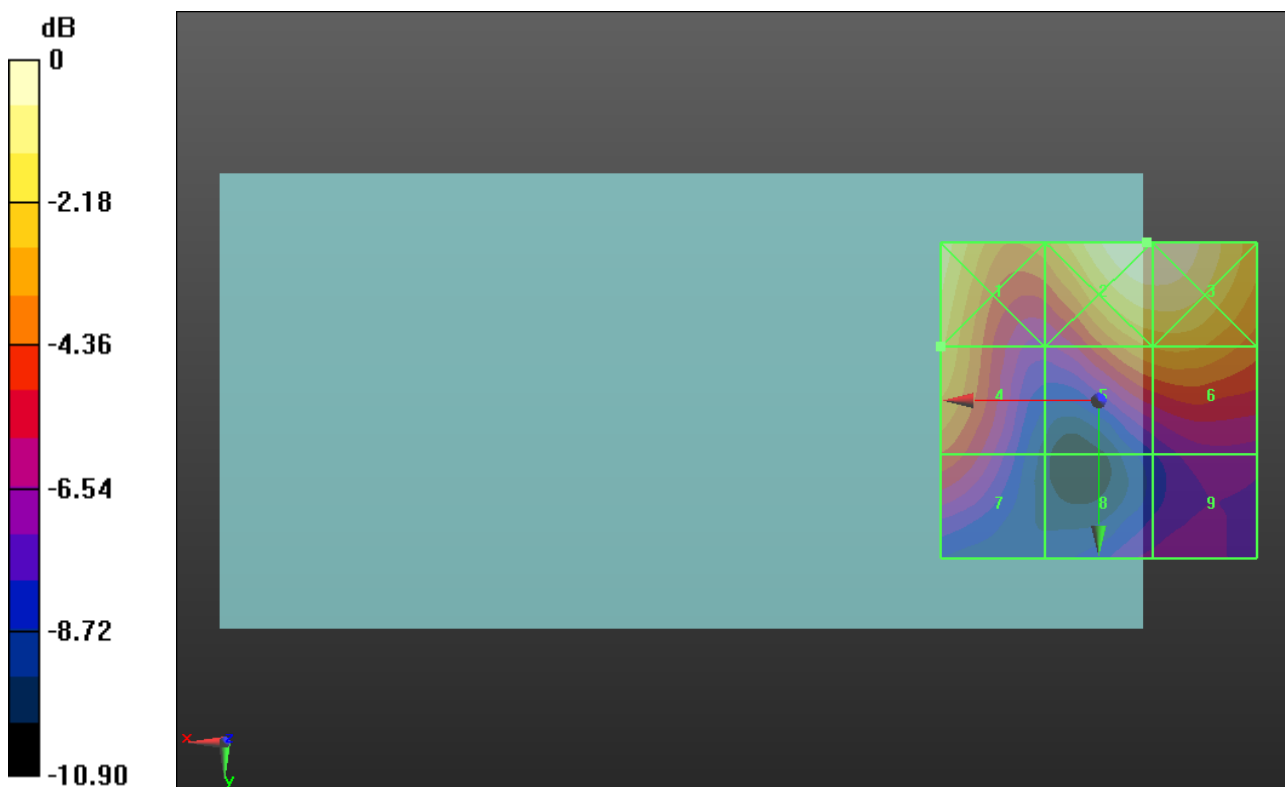
Applied MIF = -1.44 dB

RF audio interference level = 24.62 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>25.85 dBV/m</b> | Grid 2 <b>M4</b><br><b>26.64 dBV/m</b> | Grid 3 <b>M4</b><br><b>26.63 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>24.62 dBV/m</b> | Grid 5 <b>M4</b><br><b>23.78 dBV/m</b> | Grid 6 <b>M4</b><br><b>23.95 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>22.26 dBV/m</b> | Grid 8 <b>M4</b><br><b>19.6 dBV/m</b>  | Grid 9 <b>M4</b><br><b>19.92 dBV/m</b> |



0 dB = 21.49 V/m = 26.64 dBV/m

## HAC-RF Emission ANT3 Wi-Fi 2.4GHz

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 2417 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

## 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 = 11.42 V/m; Power Drift = -0.04 dB

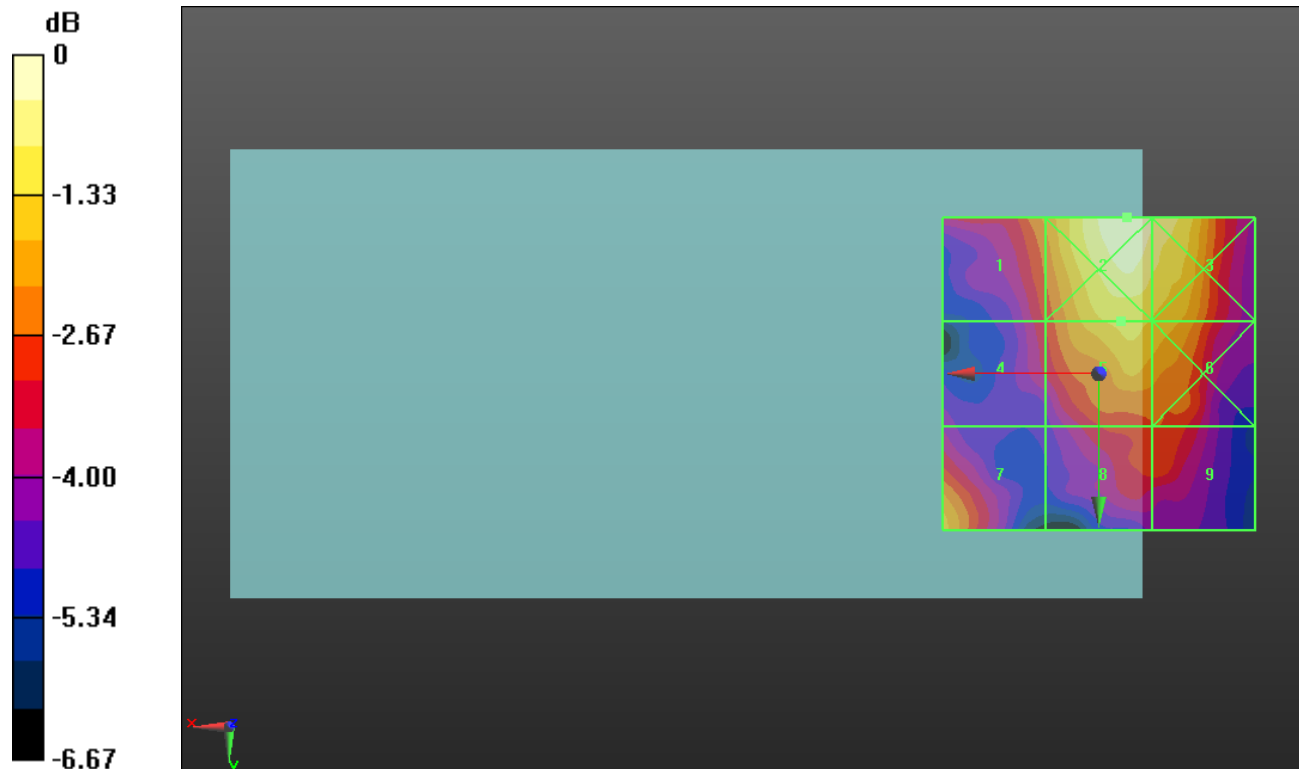
Applied MIF = -2.02 dB

RF audio interference level = 18.09 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>17.24 dBV/m</b> | Grid 2 <b>M4</b><br><b>19.32 dBV/m</b> | Grid 3 <b>M4</b><br><b>18.92 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>16.32 dBV/m</b> | Grid 5 <b>M4</b><br><b>18.09 dBV/m</b> | Grid 6 <b>M4</b><br><b>17.96 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>17.78 dBV/m</b> | Grid 8 <b>M4</b><br><b>16.64 dBV/m</b> | Grid 9 <b>M4</b><br><b>16.66 dBV/m</b> |



0 dB = 9.248 V/m = 19.32 dBV/m

## HAC-RF Emission ANT3 Wi-Fi 2.4GHz

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 2437 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

## 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 = 11.90 V/m; Power Drift = -0.20 dB

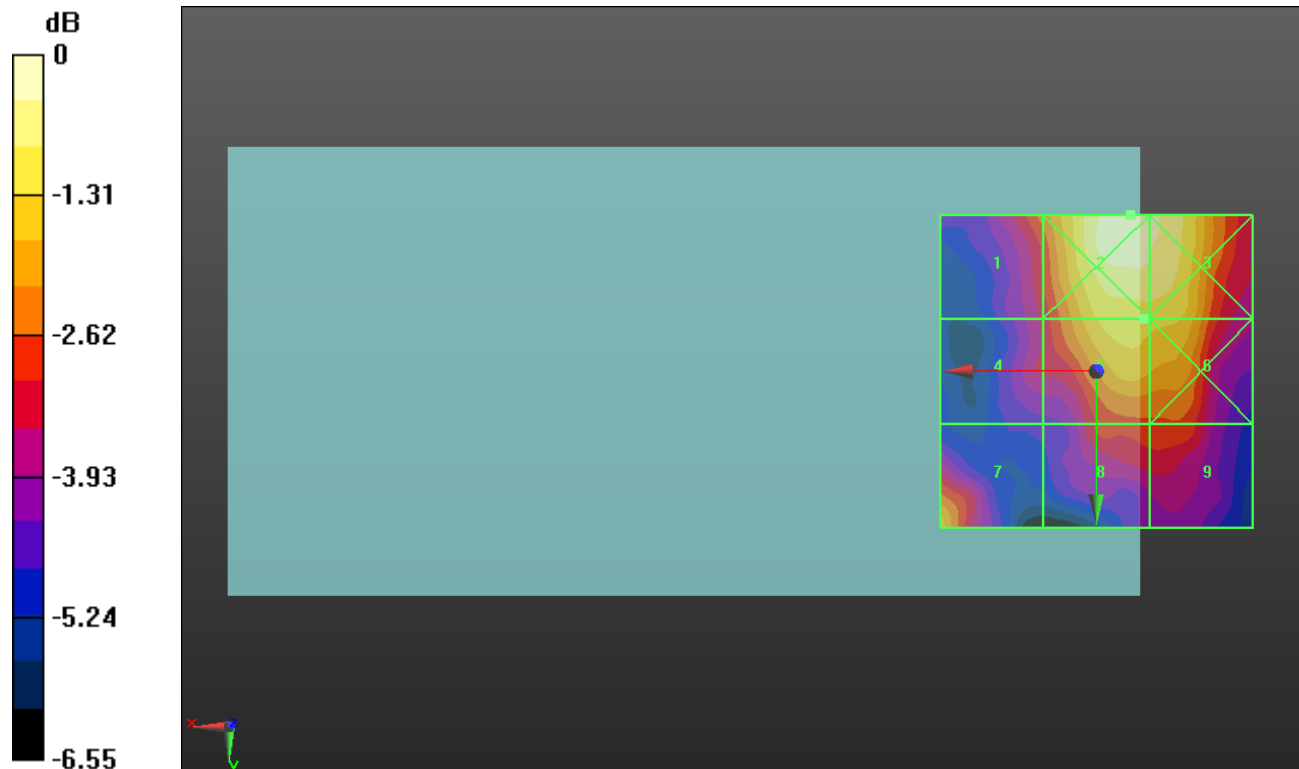
Applied MIF = -2.02 dB

RF audio interference level = 18.40 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>19.48 dBV/m</b> | Grid 3 <b>M4</b><br><b>19.23 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>16.19 dBV/m</b> | Grid 5 <b>M4</b><br><b>18.4 dBV/m</b>  | Grid 6 <b>M4</b><br><b>18.39 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>18.08 dBV/m</b> | Grid 8 <b>M4</b><br><b>16.78 dBV/m</b> | Grid 9 <b>M4</b><br><b>16.82 dBV/m</b> |



0 dB = 9.417 V/m = 19.48 dBV/m

## HAC-RF Emission ANT3 Wi-Fi 2.4GHz

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 2462 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

## 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 = 10.98 V/m; Power Drift = 0.05 dB

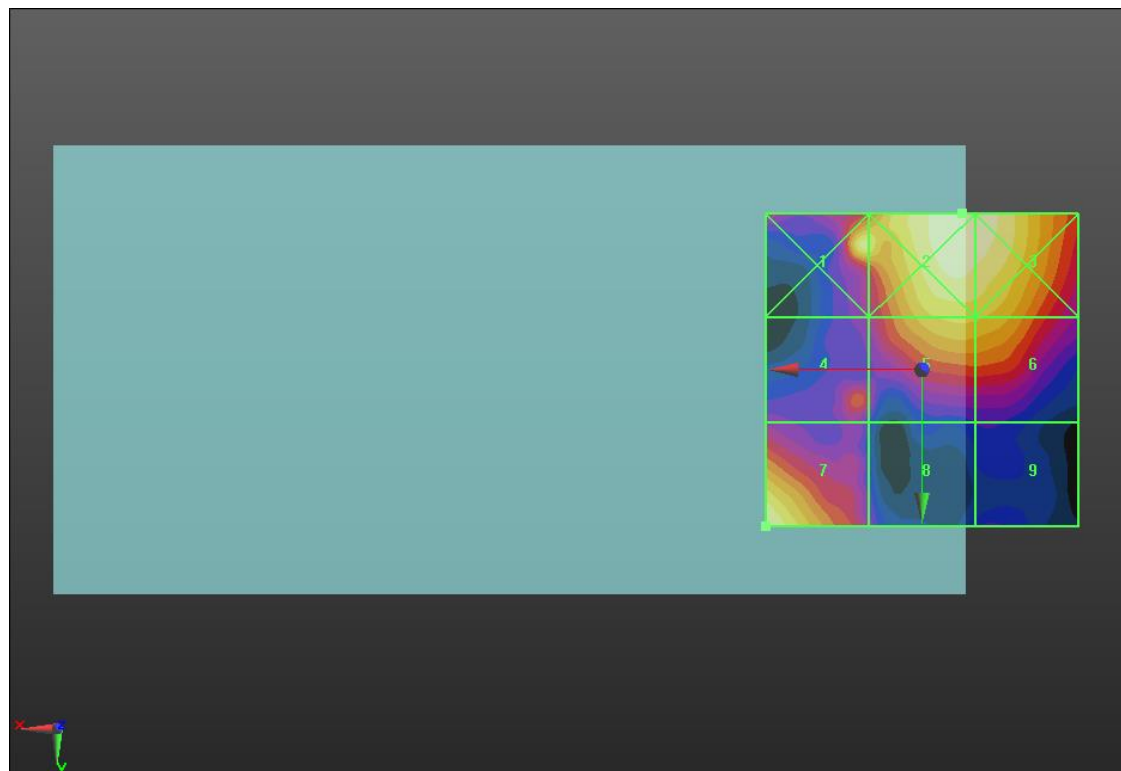
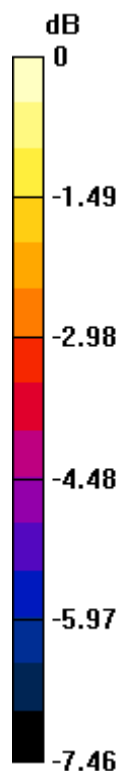
Applied MIF = -2.02 dB

RF audio interference level = 19.29 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>18.84 dBV/m</b> | Grid 2 <b>M4</b><br><b>19.59 dBV/m</b> | Grid 3 <b>M4</b><br><b>19.51 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>16.42 dBV/m</b> | Grid 5 <b>M4</b><br><b>18.25 dBV/m</b> | Grid 6 <b>M4</b><br><b>18.21 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>19.29 dBV/m</b> | Grid 8 <b>M4</b><br><b>15.03 dBV/m</b> | Grid 9 <b>M4</b><br><b>14.28 dBV/m</b> |



0 dB = 9.537 V/m = 19.59 dBV/m

## HAC-RF Emission ANT3 Wi-Fi 2.4GHz

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 2422 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

## 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 = 12.07 V/m; Power Drift = -0.13 dB

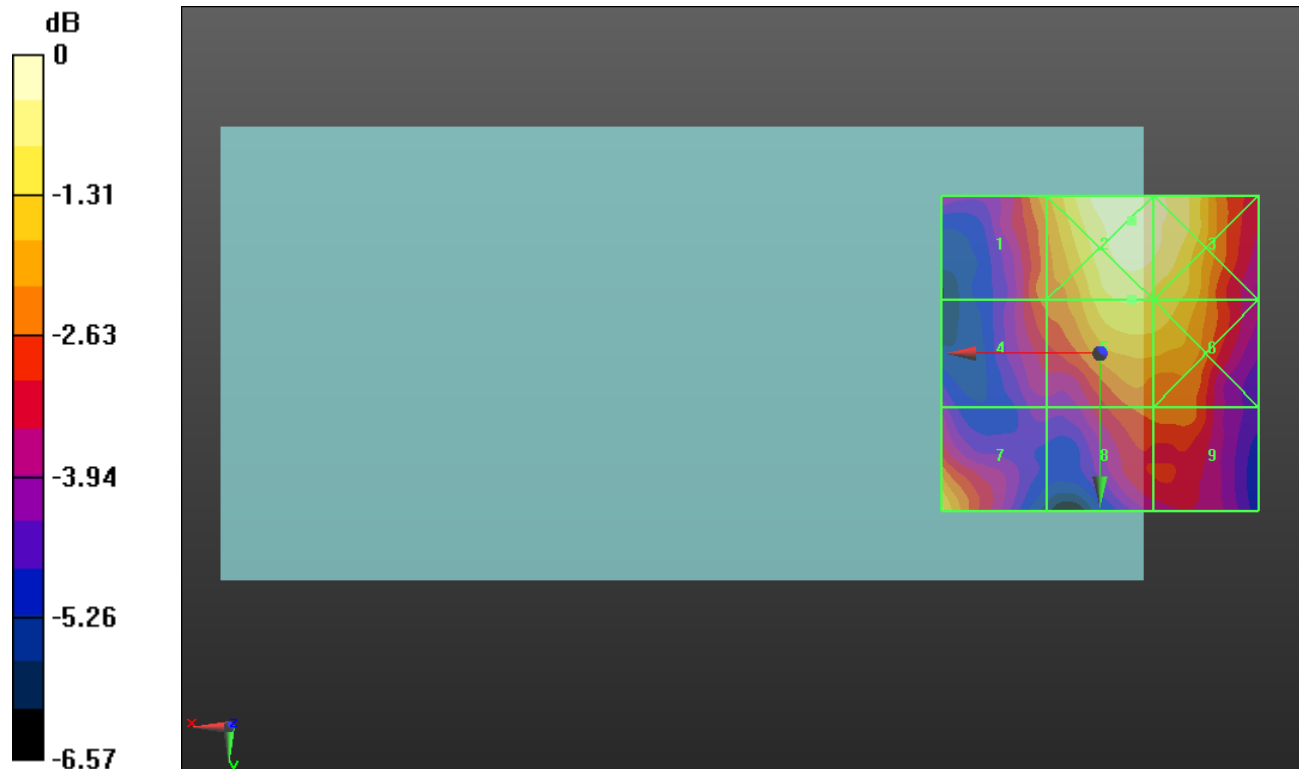
Applied MIF = 0.12 dB

RF audio interference level = 20.68 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>19.67 dBV/m</b> | Grid 2 <b>M4</b><br><b>21.51 dBV/m</b> | Grid 3 <b>M4</b><br><b>21.3 dBV/m</b>  |
| Grid 4 <b>M4</b><br><b>19.08 dBV/m</b> | Grid 5 <b>M4</b><br><b>20.68 dBV/m</b> | Grid 6 <b>M4</b><br><b>20.53 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>20.35 dBV/m</b> | Grid 8 <b>M4</b><br><b>19.06 dBV/m</b> | Grid 9 <b>M4</b><br><b>19.12 dBV/m</b> |



0 dB = 11.90 V/m = 21.51 dBV/m

## HAC-RF Emission ANT3 Wi-Fi 2.4GHz

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 2437 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

## 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 = 11.95 V/m; Power Drift = -0.14 dB

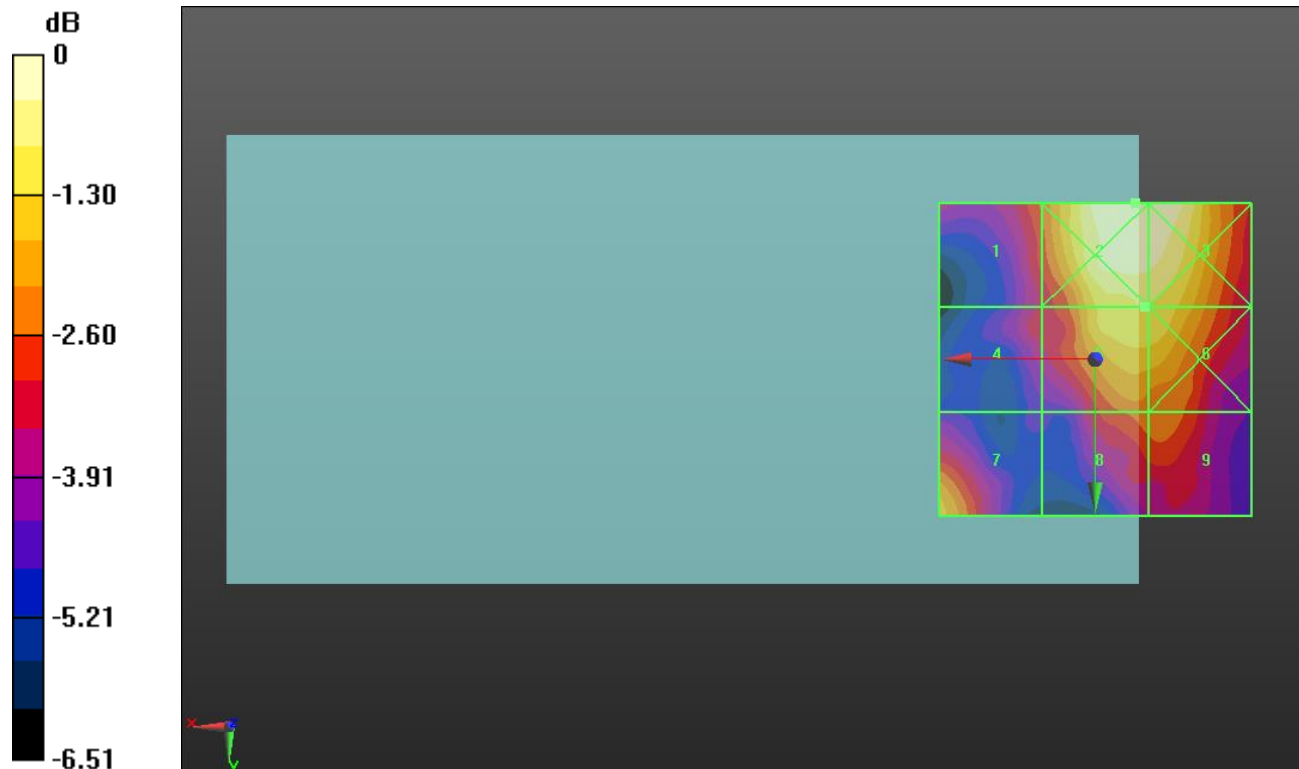
Applied MIF = 0.12 dB

RF audio interference level = 20.45 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>18.81 dBV/m</b> | Grid 2 <b>M4</b><br><b>21.3 dBV/m</b>  | Grid 3 <b>M4</b><br><b>21.25 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>18.21 dBV/m</b> | Grid 5 <b>M4</b><br><b>20.45 dBV/m</b> | Grid 6 <b>M4</b><br><b>20.44 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>19.83 dBV/m</b> | Grid 8 <b>M4</b><br><b>19.03 dBV/m</b> | Grid 9 <b>M4</b><br><b>19.07 dBV/m</b> |



0 dB = 11.61 V/m = 21.30 dBV/m

## HAC-RF Emission ANT3 Wi-Fi 2.4GHz

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 2452 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

## 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 = 12.36 V/m; Power Drift = 0.06 dB

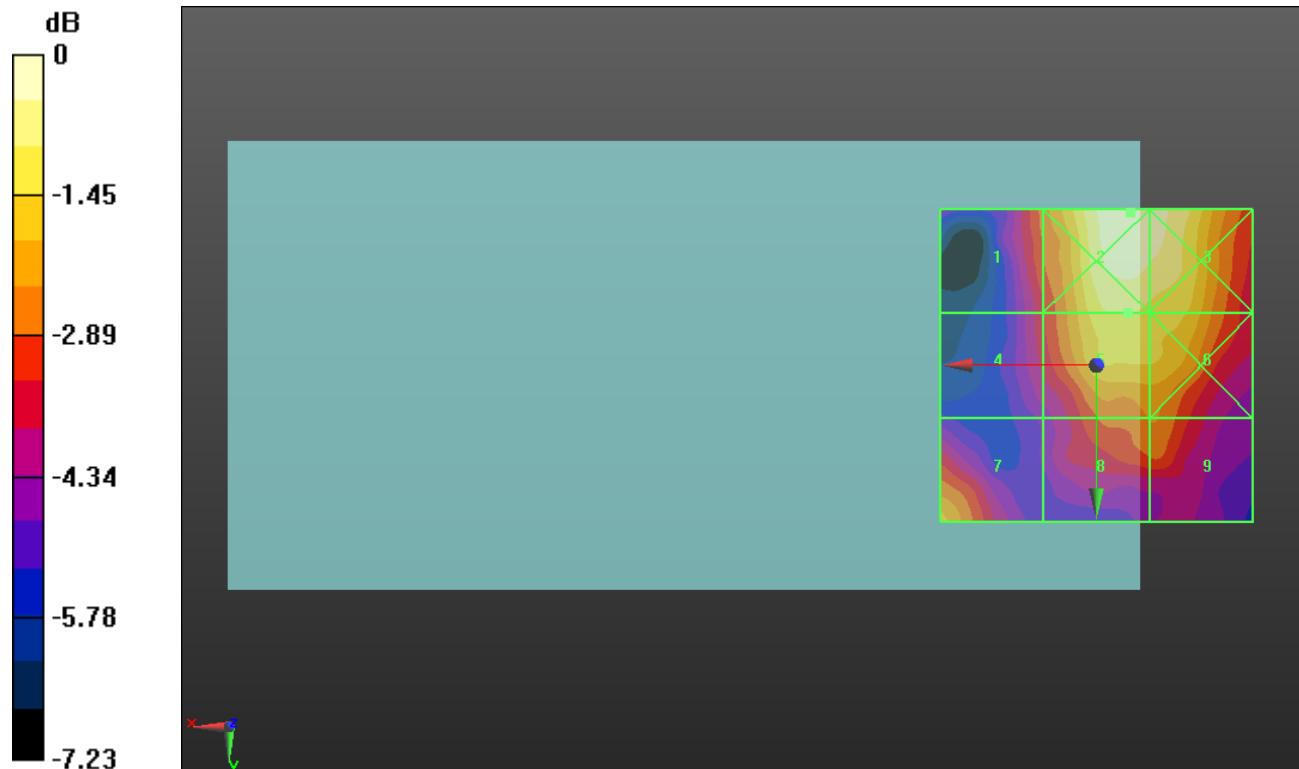
Applied MIF = 0.12 dB

RF audio interference level = 20.88 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>19.19 dBV/m</b> | Grid 2 <b>M4</b><br><b>21.83 dBV/m</b> | Grid 3 <b>M4</b><br><b>21.65 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>18.41 dBV/m</b> | Grid 5 <b>M4</b><br><b>20.88 dBV/m</b> | Grid 6 <b>M4</b><br><b>20.75 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>20.16 dBV/m</b> | Grid 8 <b>M4</b><br><b>19.44 dBV/m</b> | Grid 9 <b>M4</b><br><b>19.46 dBV/m</b> |



0 dB = 12.34 V/m = 21.83 dBV/m

## HAC-RF Emission ANT4

Communication System: UID 10021 - CAA, 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) @ 1850.2 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

## 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 = 20.73 V/m; Power Drift = -0.05 dB

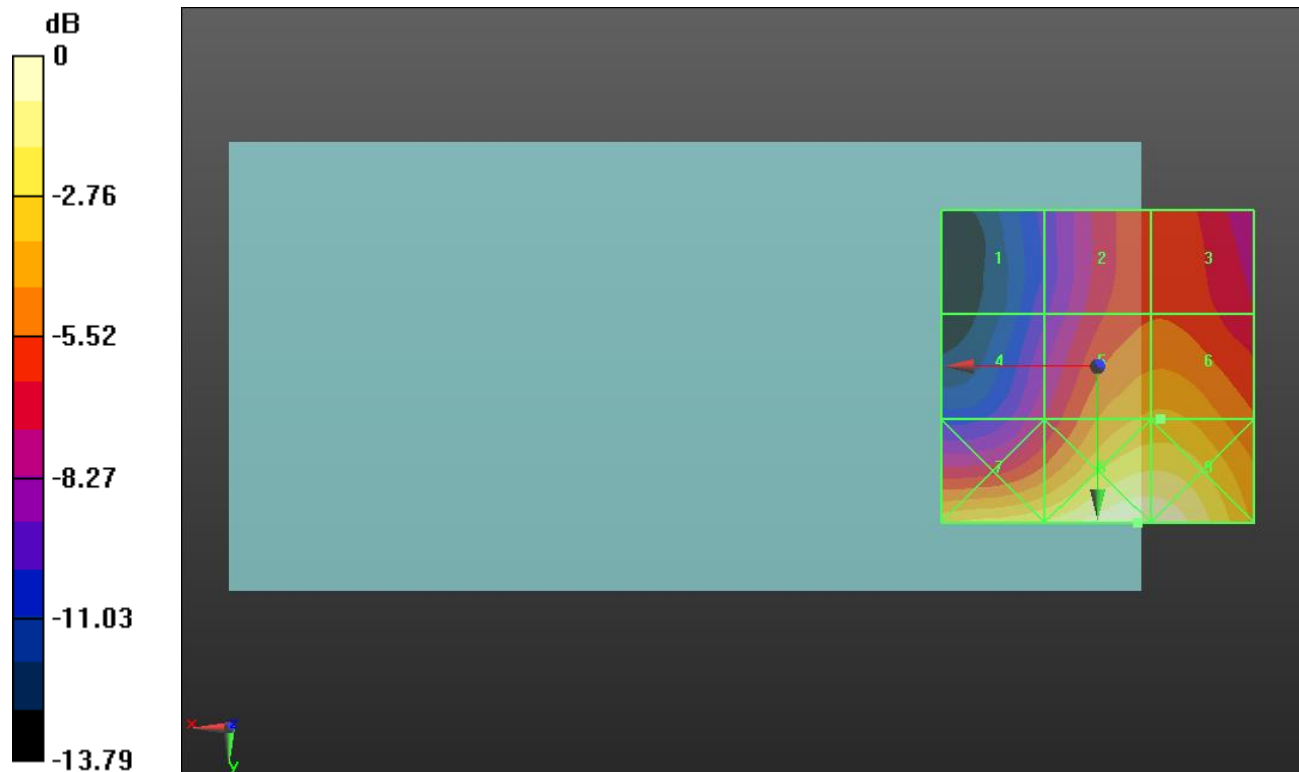
Applied MIF = 3.63 dB

RF audio interference level = 29.76 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>23.83 dBV/m</b> | Grid 2 <b>M4</b><br><b>27.58 dBV/m</b> | Grid 3 <b>M4</b><br><b>27.6 dBV/m</b>  |
| Grid 4 <b>M4</b><br><b>25.89 dBV/m</b> | Grid 5 <b>M4</b><br><b>29.72 dBV/m</b> | Grid 6 <b>M4</b><br><b>29.76 dBV/m</b> |
| Grid 7 <b>M3</b><br><b>31.46 dBV/m</b> | Grid 8 <b>M3</b><br><b>33.17 dBV/m</b> | Grid 9 <b>M3</b><br><b>33.12 dBV/m</b> |



0 dB = 45.54 V/m = 33.17 dBV/m

## HAC-RF Emission ANT4

Communication System: UID 10021 - CAA, 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) @ 1880 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

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

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 23.26 V/m; Power Drift = -0.18 dB

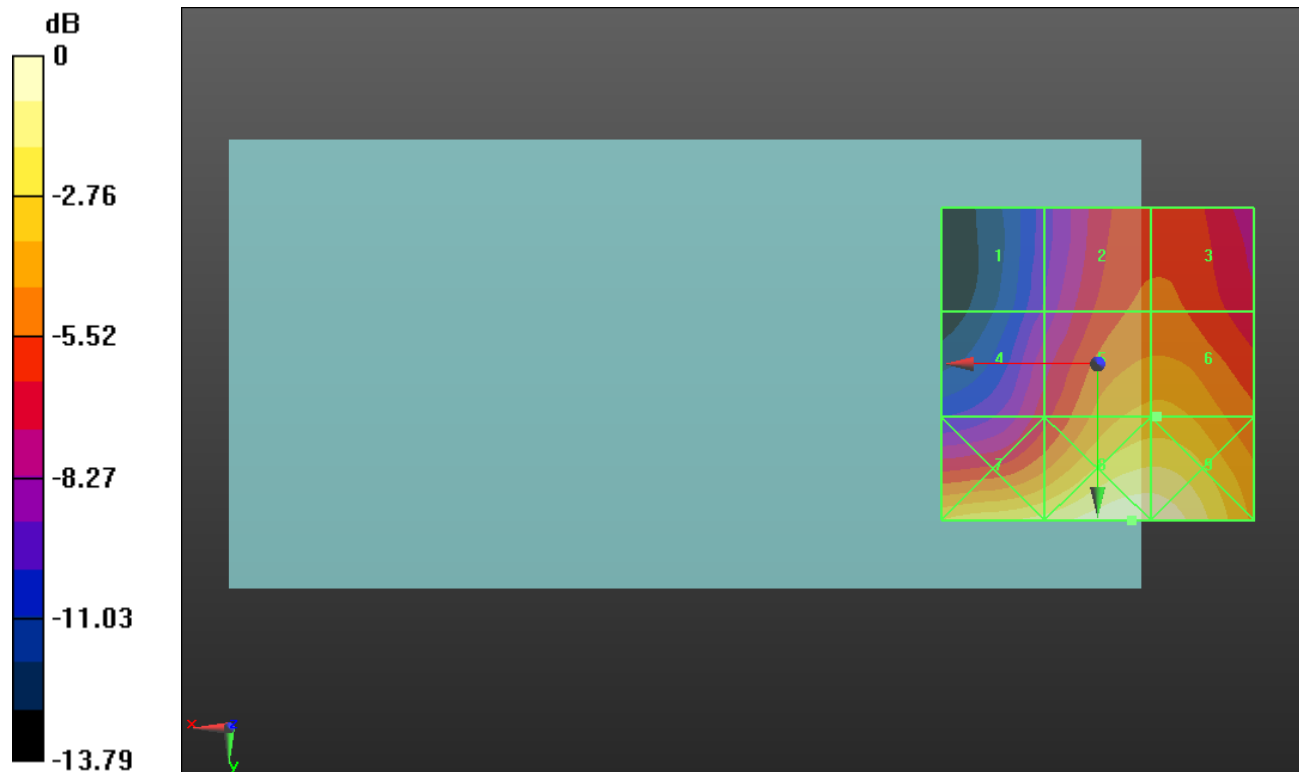
Applied MIF = 3.63 dB

RF audio interference level = 30.39 dBV/m

**Emission category: M3**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>24.77 dBV/m</b> | Grid 2 <b>M4</b><br><b>28.45 dBV/m</b> | Grid 3 <b>M4</b><br><b>28.47 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>26.96 dBV/m</b> | Grid 5 <b>M3</b><br><b>30.37 dBV/m</b> | Grid 6 <b>M3</b><br><b>30.39 dBV/m</b> |
| Grid 7 <b>M3</b><br><b>32.28 dBV/m</b> | Grid 8 <b>M3</b><br><b>33.68 dBV/m</b> | Grid 9 <b>M3</b><br><b>33.61 dBV/m</b> |



0 dB = 48.33 V/m = 33.68 dBV/m

## HAC-RF Emission ANT4

Communication System: UID 10021 - CAA, 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) @ 1909.8 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

## 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 = 24.36 V/m; Power Drift = -0.04 dB

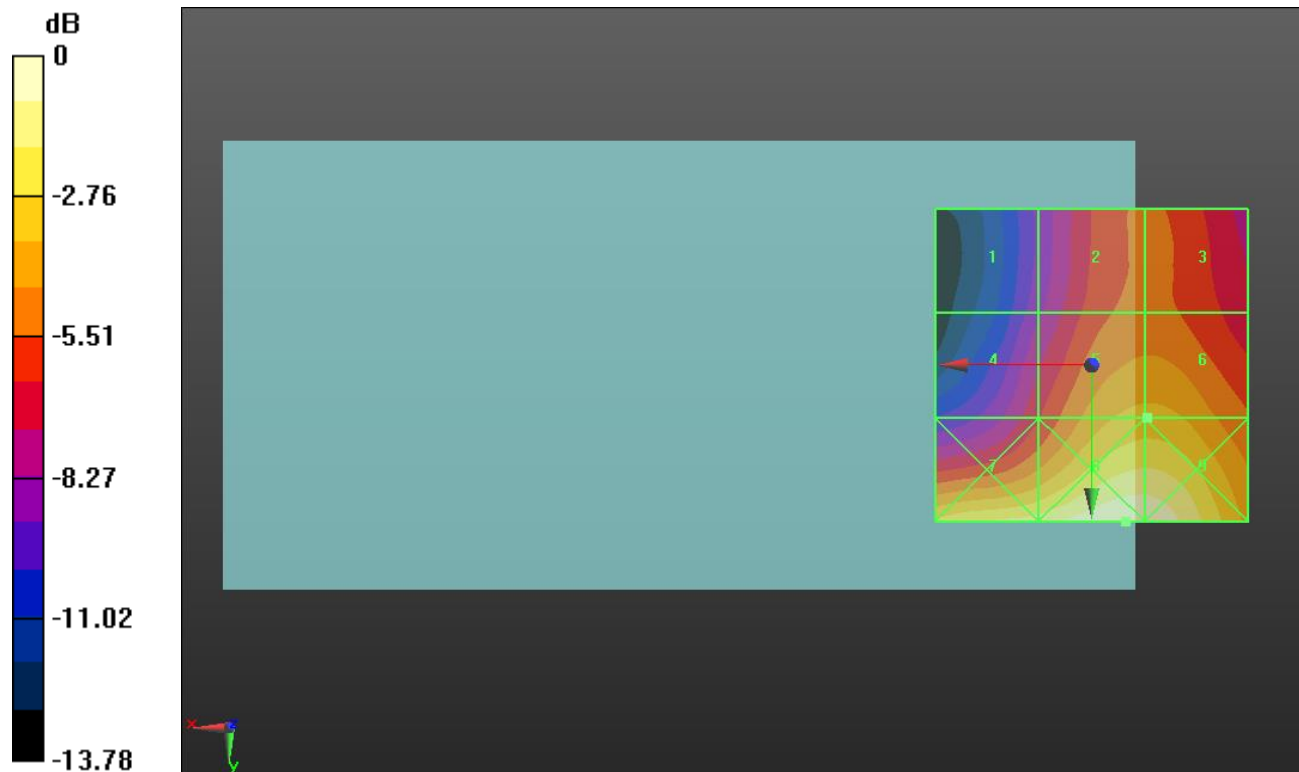
Applied MIF = 3.63 dB

RF audio interference level = 30.81 dBV/m

**Emission category: M3**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>25.66 dBV/m</b> | Grid 2 <b>M4</b><br><b>28.92 dBV/m</b> | Grid 3 <b>M4</b><br><b>28.92 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>27.66 dBV/m</b> | Grid 5 <b>M3</b><br><b>30.81 dBV/m</b> | Grid 6 <b>M3</b><br><b>30.81 dBV/m</b> |
| Grid 7 <b>M3</b><br><b>32.78 dBV/m</b> | Grid 8 <b>M3</b><br><b>34.11 dBV/m</b> | Grid 9 <b>M3</b><br><b>34.03 dBV/m</b> |



0 dB = 50.75 V/m = 34.11 dBV/m

## HAC-RF Emission ANT4

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 2506 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 23.08 V/m; Power Drift = 0.08 dB

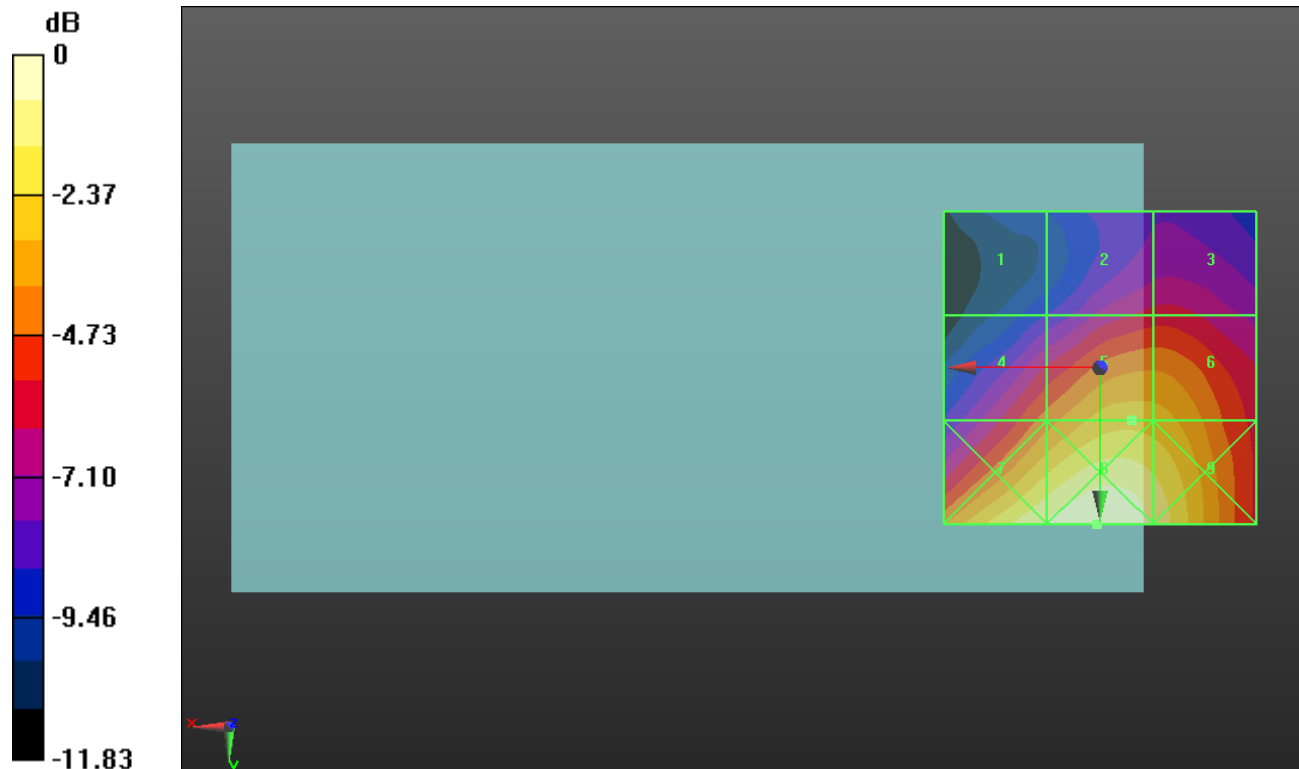
Applied MIF = -1.44 dB

RF audio interference level = 25.38 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>19.37 dBV/m</b> | Grid 2 <b>M4</b><br><b>22 dBV/m</b>    | Grid 3 <b>M4</b><br><b>22.05 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>23.7 dBV/m</b>  | Grid 5 <b>M4</b><br><b>25.38 dBV/m</b> | Grid 6 <b>M4</b><br><b>25.26 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>27.36 dBV/m</b> | Grid 8 <b>M4</b><br><b>27.99 dBV/m</b> | Grid 9 <b>M4</b><br><b>27.08 dBV/m</b> |



0 dB = 25.09 V/m = 27.99 dBV/m

## HAC-RF Emission ANT4

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 2549.5 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 23.55 V/m; Power Drift = -0.07 dB

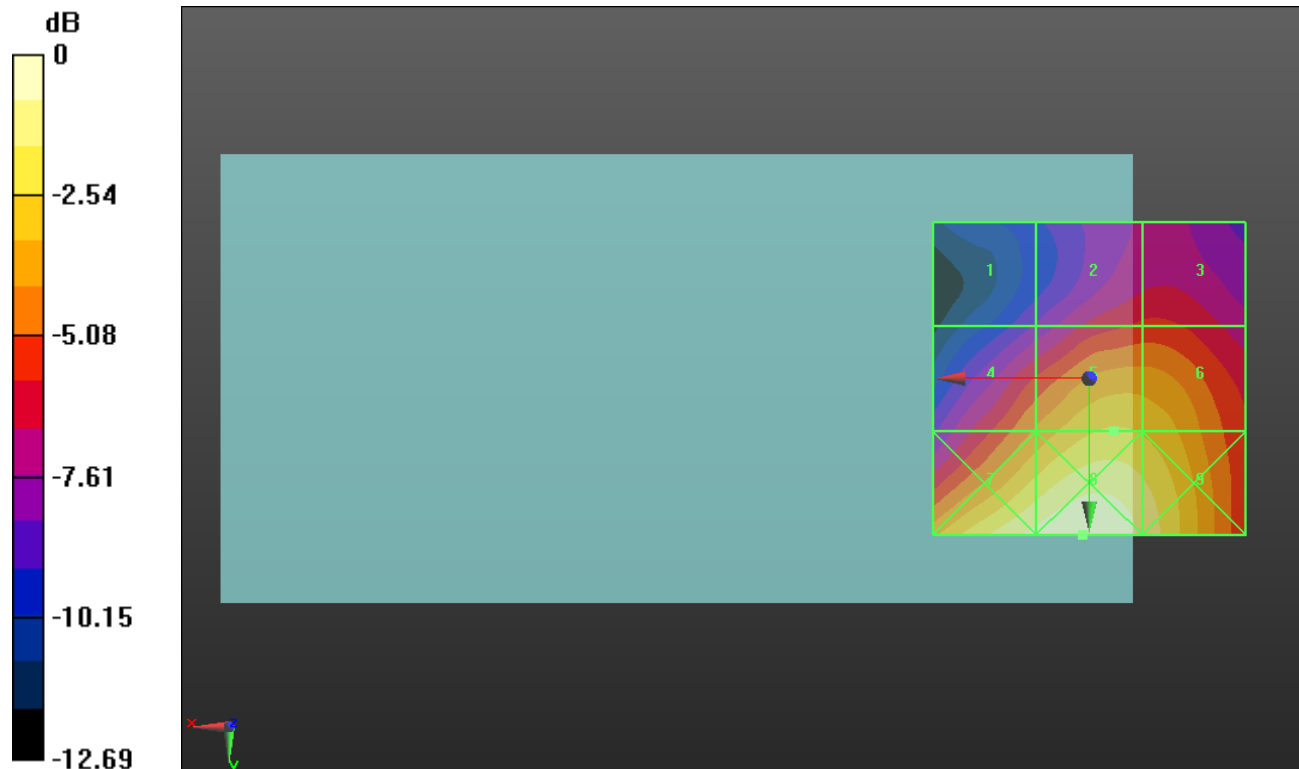
Applied MIF = -1.44 dB

RF audio interference level = 25.26 dBV/m

Emission category: **M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>19.37 dBV/m</b> | Grid 2 <b>M4</b><br><b>21.96 dBV/m</b> | Grid 3 <b>M4</b><br><b>22 dBV/m</b>    |
| Grid 4 <b>M4</b><br><b>23.63 dBV/m</b> | Grid 5 <b>M4</b><br><b>25.26 dBV/m</b> | Grid 6 <b>M4</b><br><b>25.06 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>27.11 dBV/m</b> | Grid 8 <b>M4</b><br><b>27.67 dBV/m</b> | Grid 9 <b>M4</b><br><b>26.64 dBV/m</b> |



0 dB = 24.18 V/m = 27.67 dBV/m

## HAC-RF Emission ANT4

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 2593 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

## LTE Band 41 E-Field measurement/SC-FDMA 1RB 20 MHz 16QAM Ch. 40620/Hearing Aid Compatibility Test (101x101x1):

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 23.38 V/m; Power Drift = -0.06 dB

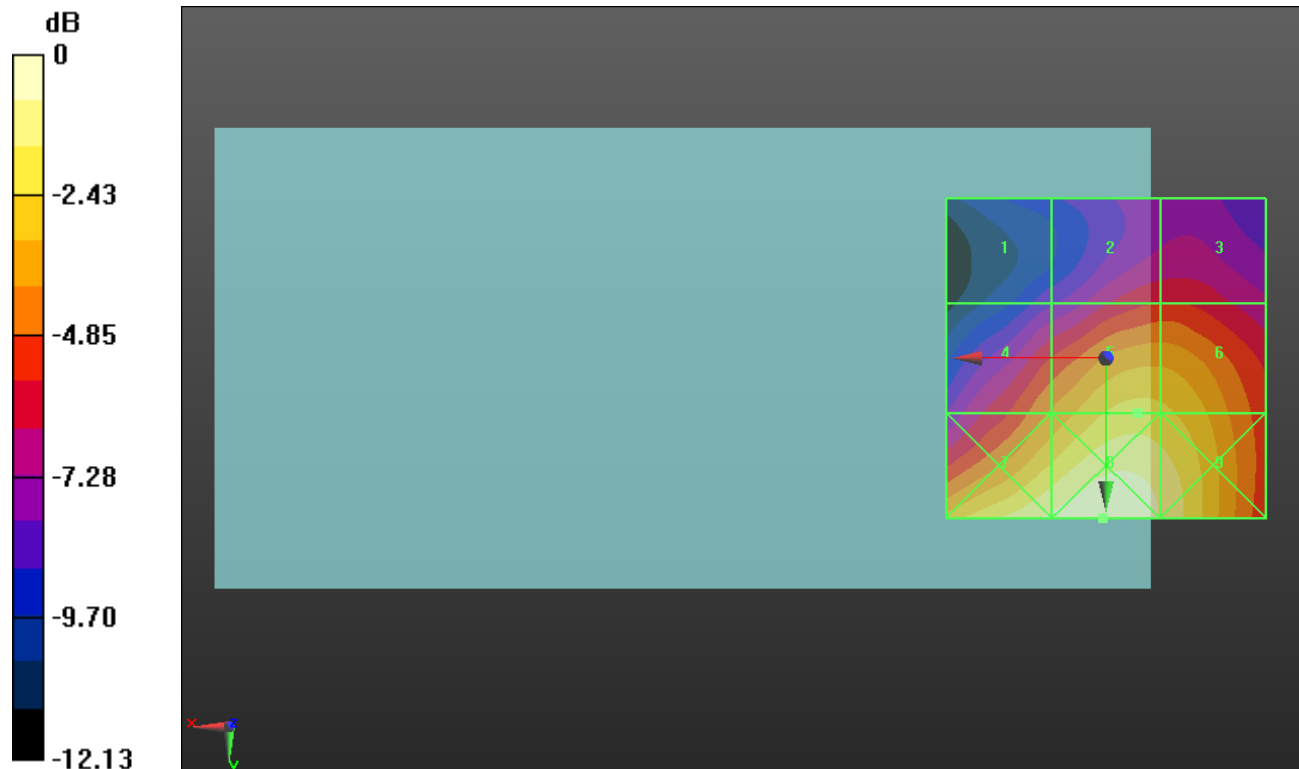
Applied MIF = -1.44 dB

RF audio interference level = 25.29 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>19.23 dBV/m</b> | Grid 2 <b>M4</b><br><b>21.79 dBV/m</b> | Grid 3 <b>M4</b><br><b>21.81 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>23.46 dBV/m</b> | Grid 5 <b>M4</b><br><b>25.29 dBV/m</b> | Grid 6 <b>M4</b><br><b>25.16 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>26.79 dBV/m</b> | Grid 8 <b>M4</b><br><b>27.38 dBV/m</b> | Grid 9 <b>M4</b><br><b>26.53 dBV/m</b> |



0 dB = 23.38 V/m = 27.38 dBV/m

## HAC-RF Emission ANT4

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 2636.5 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 24.93 V/m; Power Drift = 0.01 dB

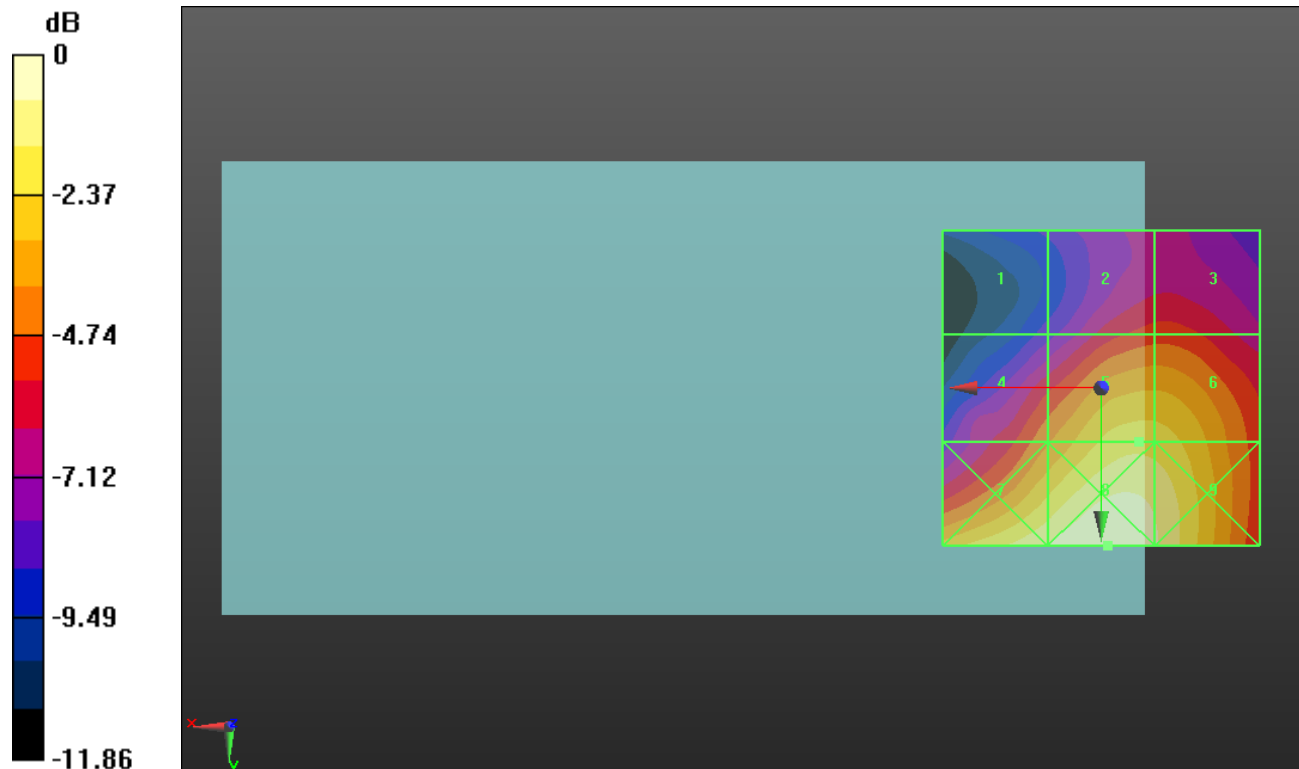
Applied MIF = -1.44 dB

RF audio interference level = 25.82 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>19.49 dBV/m</b> | Grid 2 <b>M4</b><br><b>22.58 dBV/m</b> | Grid 3 <b>M4</b><br><b>22.6 dBV/m</b>  |
| Grid 4 <b>M4</b><br><b>23.62 dBV/m</b> | Grid 5 <b>M4</b><br><b>25.82 dBV/m</b> | Grid 6 <b>M4</b><br><b>25.74 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>26.96 dBV/m</b> | Grid 8 <b>M4</b><br><b>27.67 dBV/m</b> | Grid 9 <b>M4</b><br><b>26.98 dBV/m</b> |



0 dB = 24.20 V/m = 27.68 dBV/m

## HAC-RF Emission ANT4

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 2680 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

## LTE Band 41 E-Field measurement/SC-FDMA 1RB 20 MHz 16QAM Ch. 41490/Hearing Aid Compatibility Test (101x101x1):

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 24.80 V/m; Power Drift = -0.06 dB

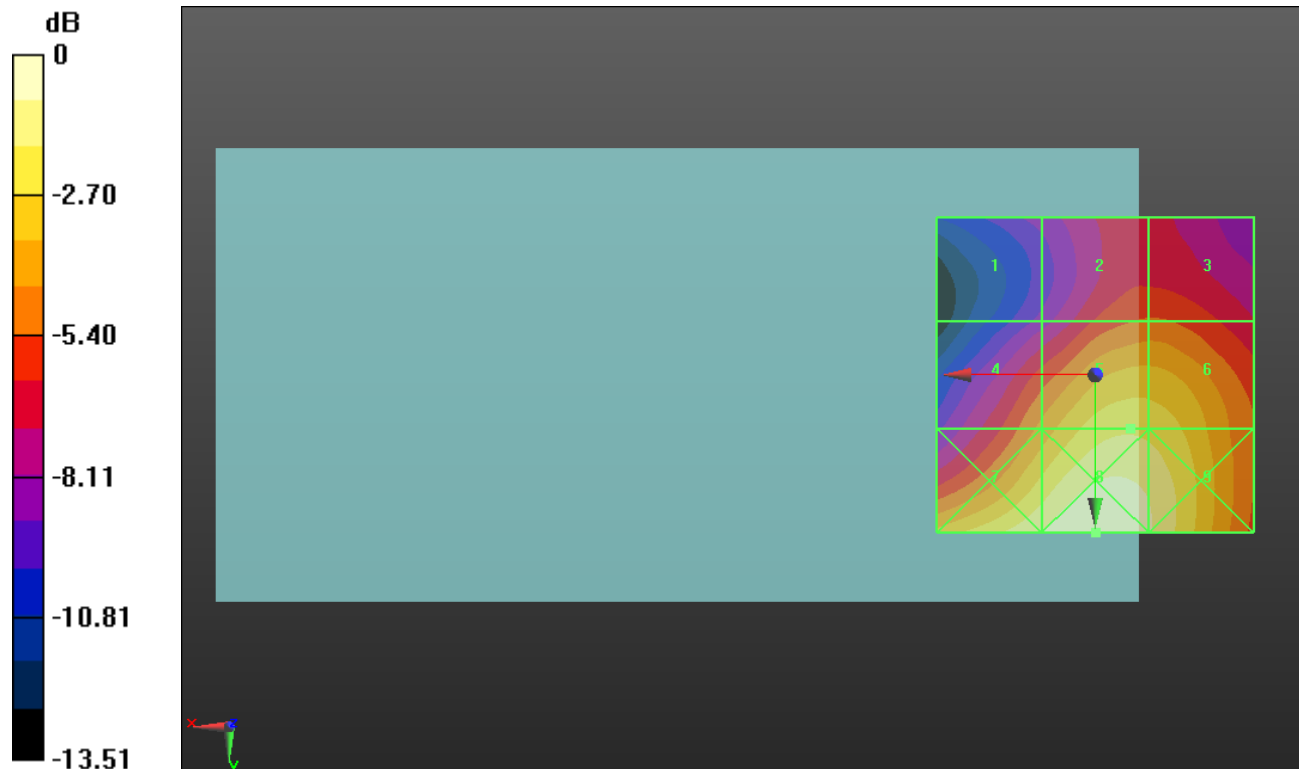
Applied MIF = -1.44 dB

RF audio interference level = 25.84 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>19.29 dBV/m</b> | Grid 2 <b>M4</b><br><b>22.52 dBV/m</b> | Grid 3 <b>M4</b><br><b>22.52 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>23.58 dBV/m</b> | Grid 5 <b>M4</b><br><b>25.84 dBV/m</b> | Grid 6 <b>M4</b><br><b>25.72 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>26.93 dBV/m</b> | Grid 8 <b>M4</b><br><b>27.77 dBV/m</b> | Grid 9 <b>M4</b><br><b>26.97 dBV/m</b> |



0 dB = 24.48 V/m = 27.78 dBV/m

## HAC-RF Emission ANT4

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 3560 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

## LTE Band 48 E-Field measurement/SC-FDMA 1RB 20 MHz 16QAM Ch. 55340/Hearing

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 17.37 V/m; Power Drift = -0.00 dB

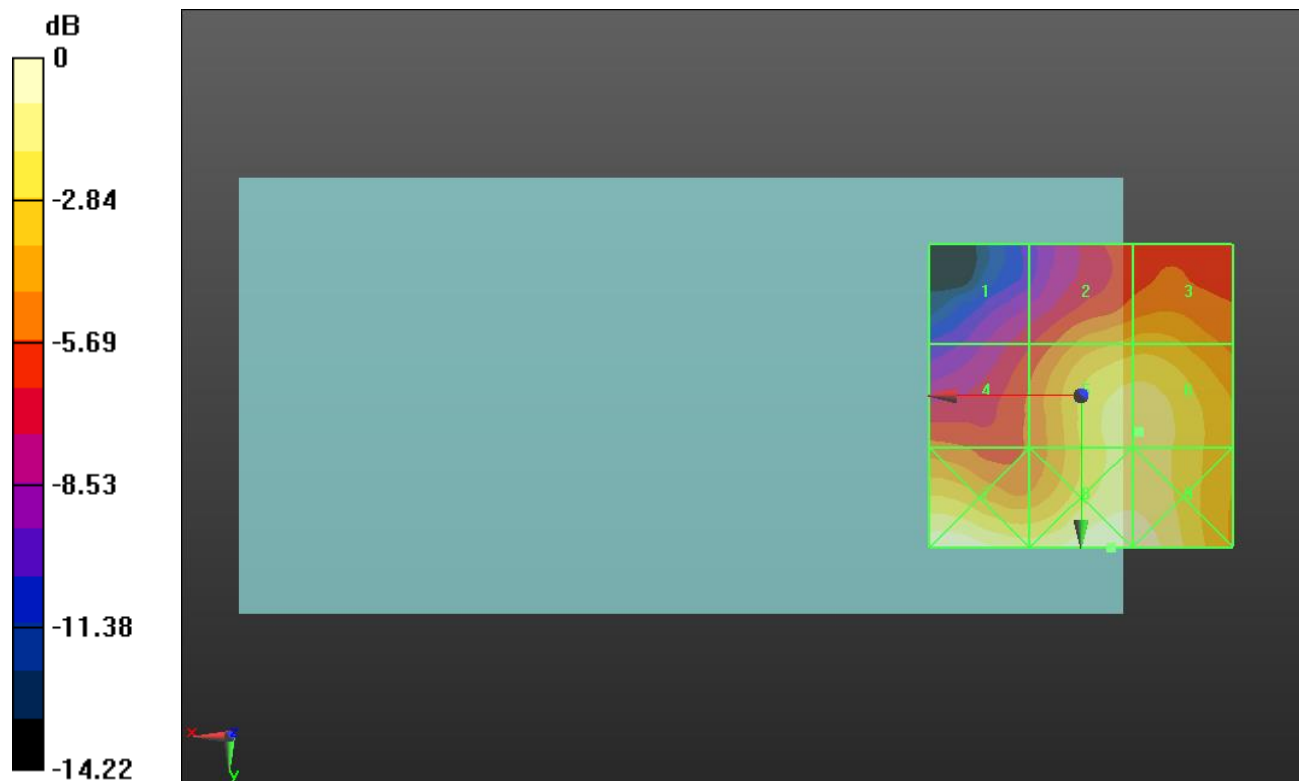
Applied MIF = -1.44 dB

RF audio interference level = 21.85 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>16.46 dBV/m</b> | Grid 2 <b>M4</b><br><b>19.8 dBV/m</b>  | Grid 3 <b>M4</b><br><b>19.91 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>17.87 dBV/m</b> | Grid 5 <b>M4</b><br><b>21.83 dBV/m</b> | Grid 6 <b>M4</b><br><b>21.85 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>23.12 dBV/m</b> | Grid 8 <b>M4</b><br><b>23.18 dBV/m</b> | Grid 9 <b>M4</b><br><b>23.07 dBV/m</b> |



0 dB = 14.42 V/m = 23.18 dBV/m

## HAC-RF Emission ANT4

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 3603.3 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

## LTE Band 48 E-Field measurement/SC-FDMA 1RB 20 MHz 16QAM Ch. 55773/Hearing

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 15.74 V/m; Power Drift = -0.07 dB

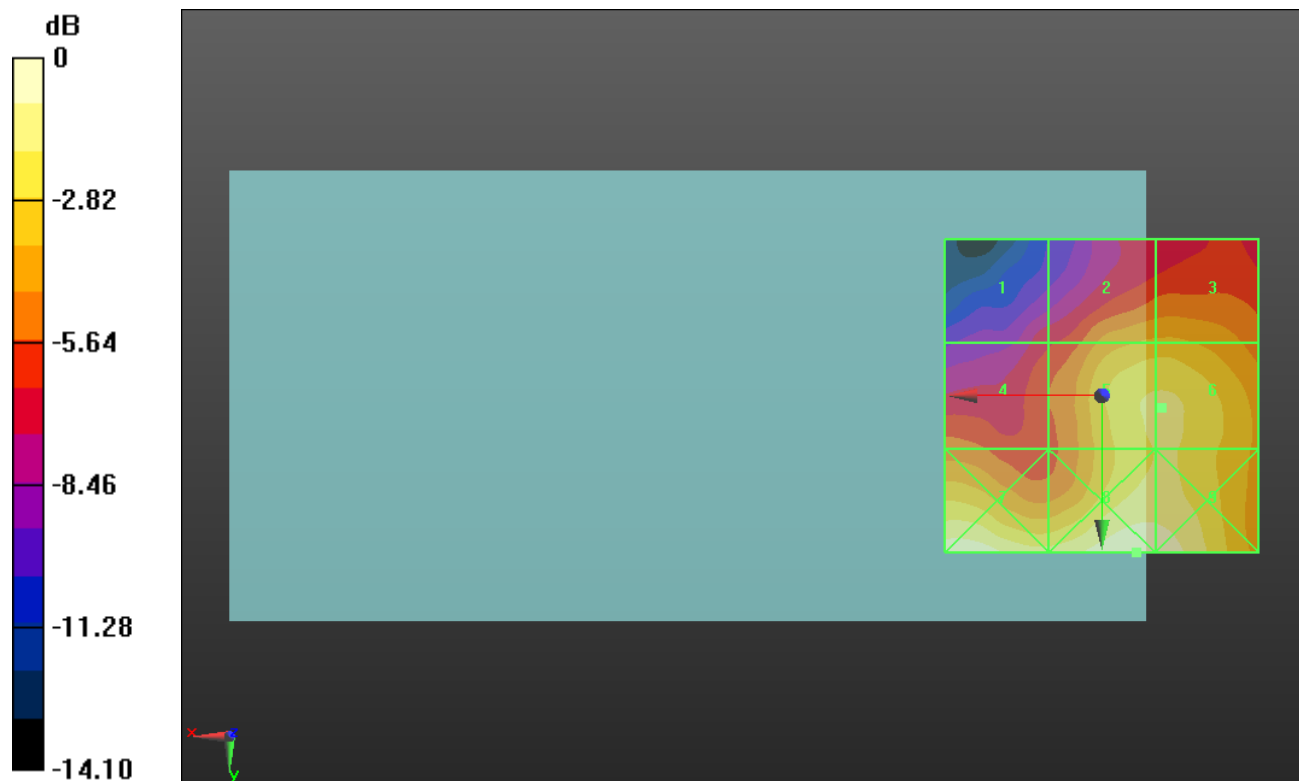
Applied MIF = -1.44 dB

RF audio interference level = 20.86 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>15.82 dBV/m</b> | Grid 2 <b>M4</b><br><b>19.01 dBV/m</b> | Grid 3 <b>M4</b><br><b>19.03 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>17.38 dBV/m</b> | Grid 5 <b>M4</b><br><b>20.84 dBV/m</b> | Grid 6 <b>M4</b><br><b>20.86 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>22.37 dBV/m</b> | Grid 8 <b>M4</b><br><b>22.54 dBV/m</b> | Grid 9 <b>M4</b><br><b>22.41 dBV/m</b> |



0 dB = 13.40 V/m = 22.54 dBV/m

## HAC-RF Emission ANT4

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 3646.7 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

## LTE Band 48 E-Field measurement/SC-FDMA 1RB 20 MHz 16QAM Ch. 56207/Hearing

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 13.80 V/m; Power Drift = -0.14 dB

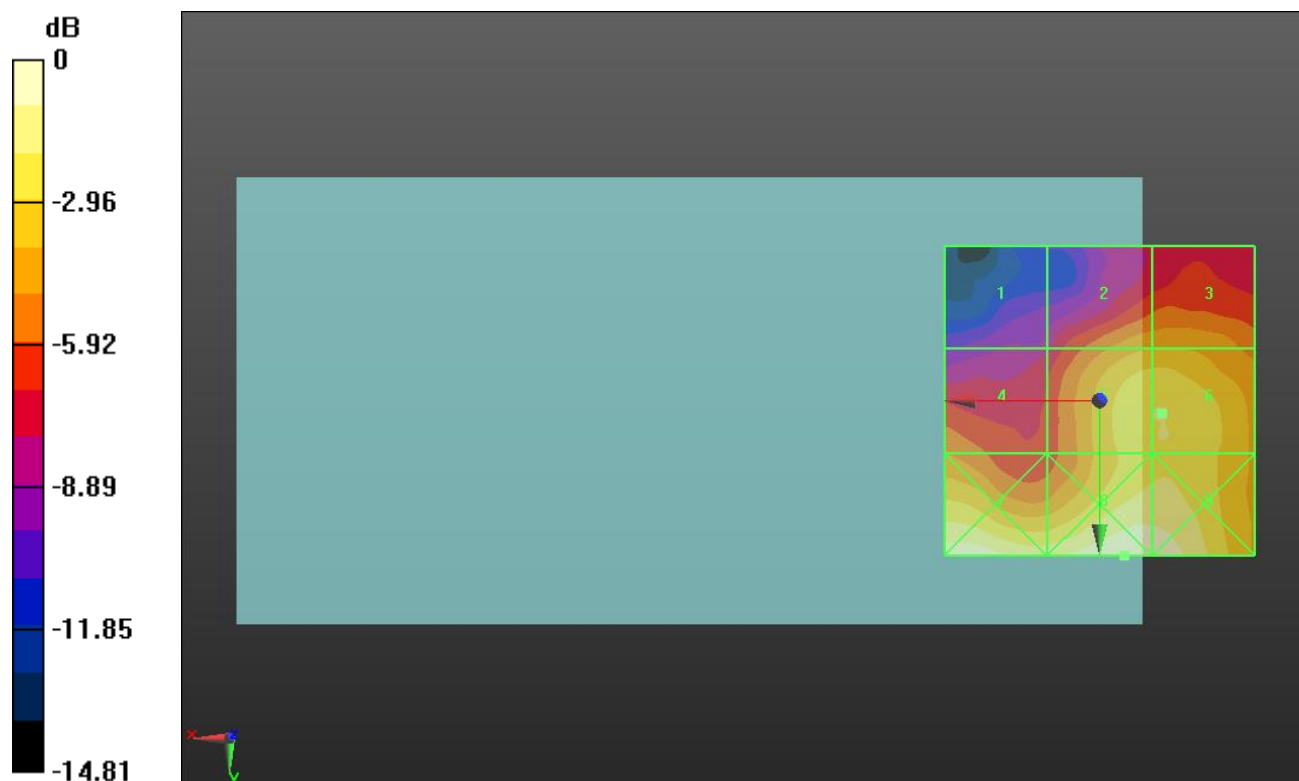
Applied MIF = -1.44 dB

RF audio interference level = 20.01 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>13.78 dBV/m</b> | Grid 2 <b>M4</b><br><b>17.97 dBV/m</b> | Grid 3 <b>M4</b><br><b>18.04 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>17.09 dBV/m</b> | Grid 5 <b>M4</b><br><b>19.98 dBV/m</b> | Grid 6 <b>M4</b><br><b>20.01 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>21.75 dBV/m</b> | Grid 8 <b>M4</b><br><b>21.95 dBV/m</b> | Grid 9 <b>M4</b><br><b>21.77 dBV/m</b> |



0 dB = 12.52 V/m = 21.95 dBV/m

## HAC-RF Emission ANT4

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 3690 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

## LTE Band 48 E-Field measurement/SC-FDMA 1RB 20 MHz 16QAM Ch. 56640/Hearing

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 11.61 V/m; Power Drift = -0.03 dB

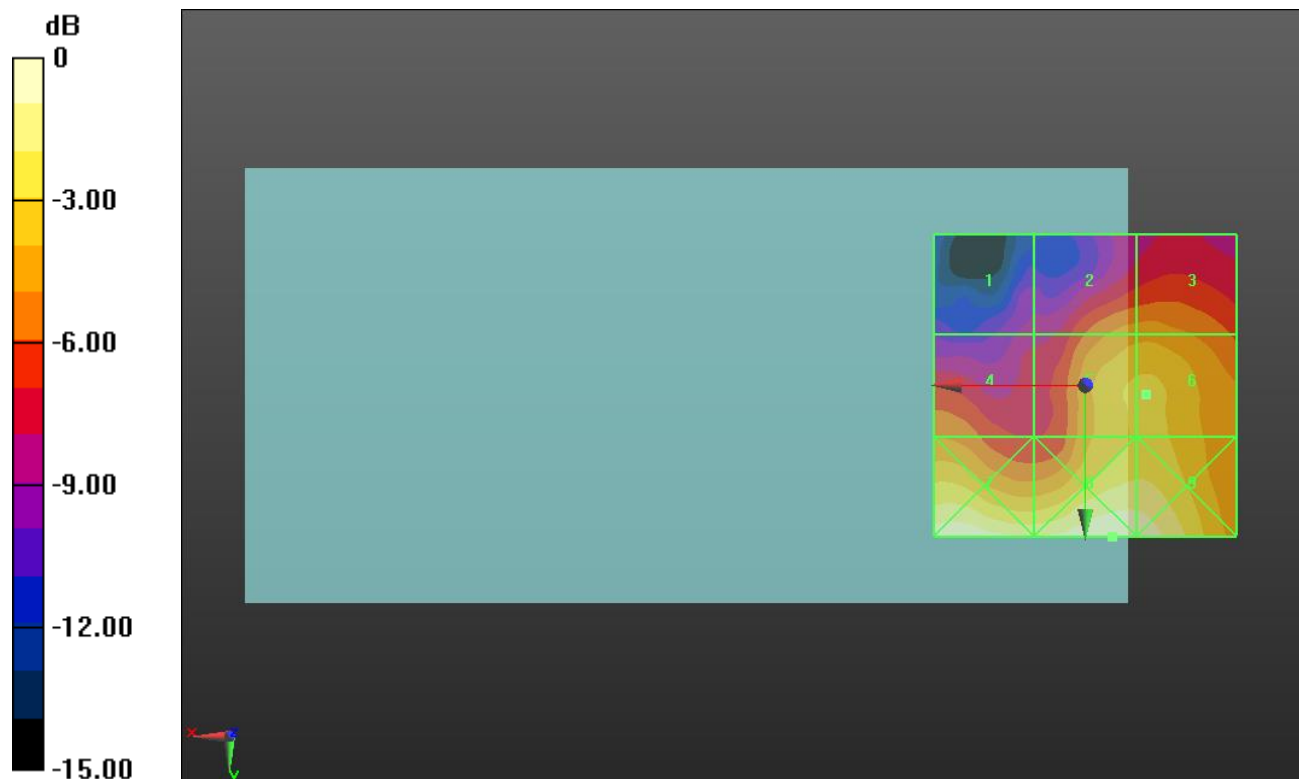
Applied MIF = -1.44 dB

RF audio interference level = 19.09 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>13.47 dBV/m</b> | Grid 2 <b>M4</b><br><b>17.41 dBV/m</b> | Grid 3 <b>M4</b><br><b>17.46 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>16.78 dBV/m</b> | Grid 5 <b>M4</b><br><b>19.03 dBV/m</b> | Grid 6 <b>M4</b><br><b>19.09 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>21.69 dBV/m</b> | Grid 8 <b>M4</b><br><b>21.82 dBV/m</b> | Grid 9 <b>M4</b><br><b>21.6 dBV/m</b>  |



0 dB = 12.33 V/m = 21.82 dBV/m

## HAC-RF Emission ANT4 Wi-Fi 2.4GHz

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 2417 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

## 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 = 37.19 V/m; Power Drift = -0.07 dB

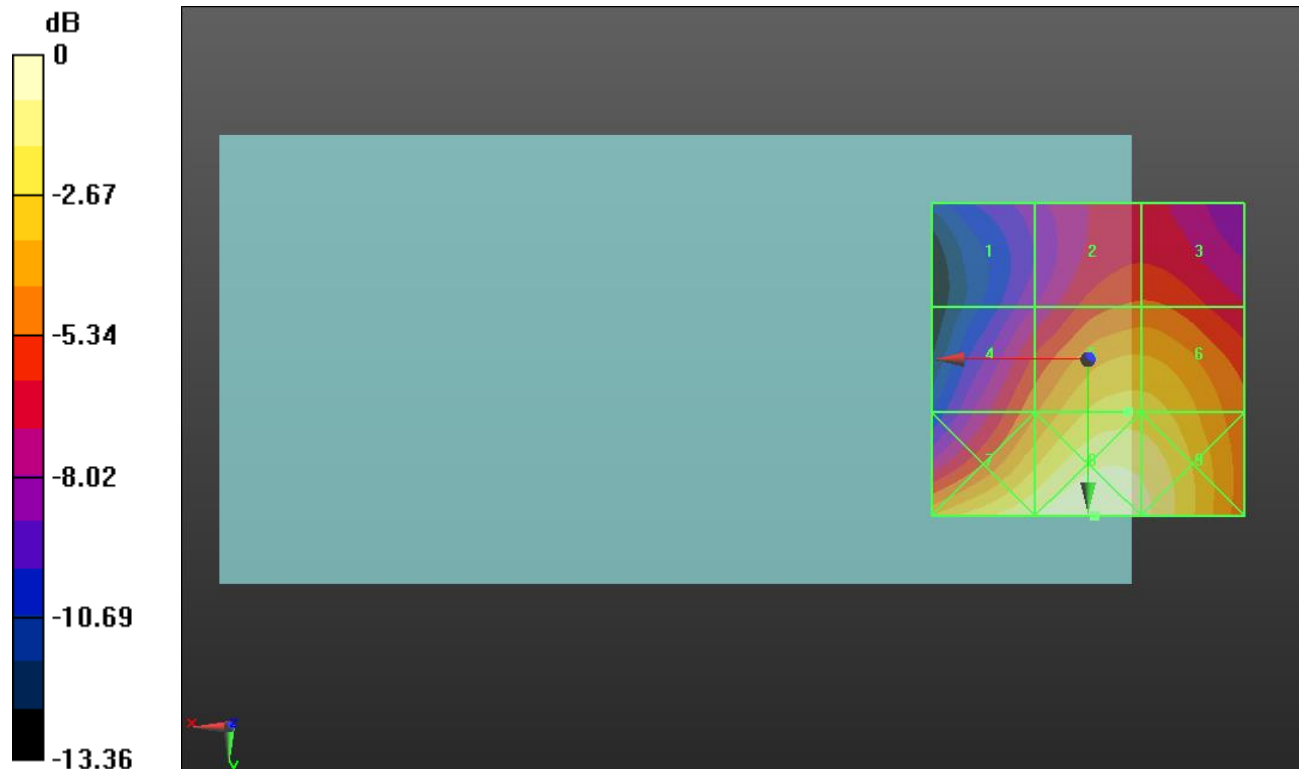
Applied MIF = -2.02 dB

RF audio interference level = 28.63 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>22.83 dBV/m</b> | Grid 2 <b>M4</b><br><b>25.65 dBV/m</b> | Grid 3 <b>M4</b><br><b>25.66 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>26.23 dBV/m</b> | Grid 5 <b>M4</b><br><b>28.63 dBV/m</b> | Grid 6 <b>M4</b><br><b>28.6 dBV/m</b>  |
| Grid 7 <b>M4</b><br><b>29.97 dBV/m</b> | Grid 8 <b>M3</b><br><b>30.79 dBV/m</b> | Grid 9 <b>M3</b><br><b>30.21 dBV/m</b> |



0 dB = 34.64 V/m = 30.79 dBV/m

## HAC-RF Emission ANT4 Wi-Fi 2.4GHz

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 2437 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

## 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 = 41.68 V/m; Power Drift = -0.03 dB

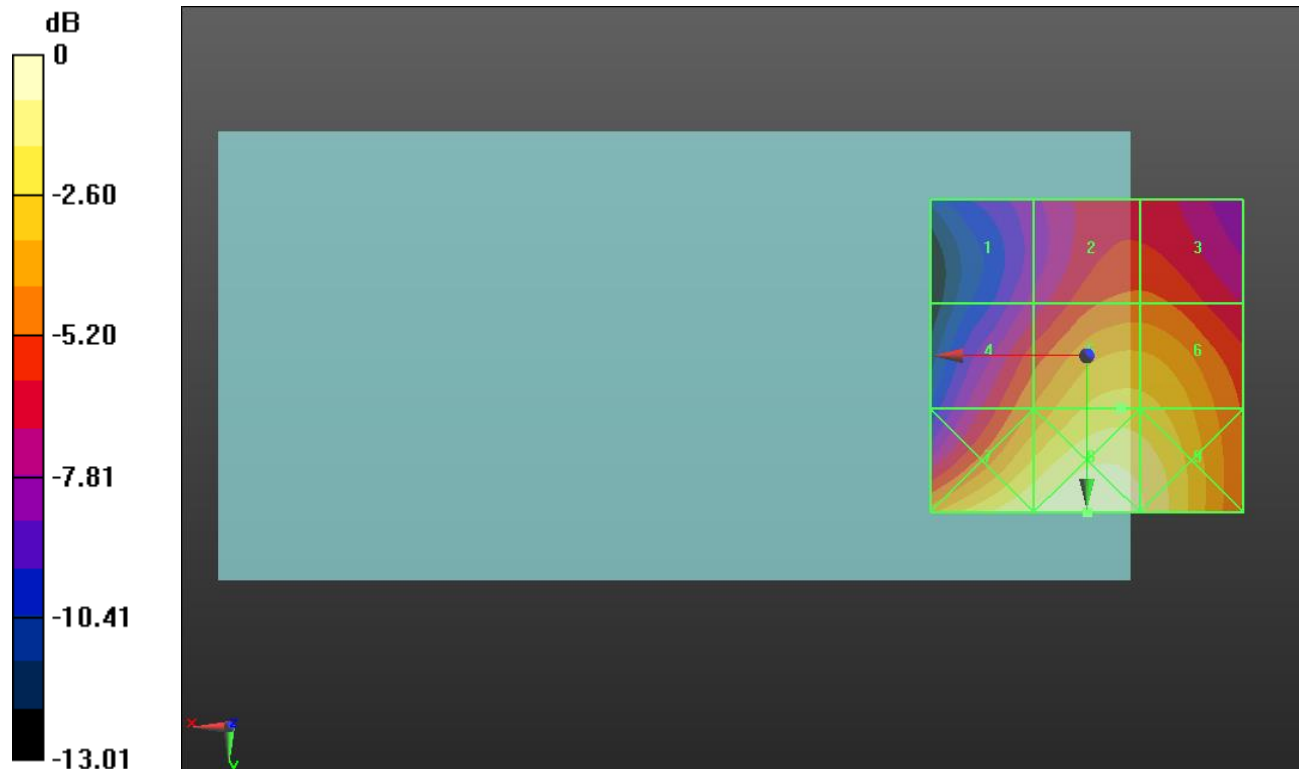
Applied MIF = -2.02 dB

RF audio interference level = 29.40 dBV/m

Emission category: **M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>24.12 dBV/m</b> | Grid 2 <b>M4</b><br><b>26.67 dBV/m</b> | Grid 3 <b>M4</b><br><b>26.67 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>27.34 dBV/m</b> | Grid 5 <b>M4</b><br><b>29.4 dBV/m</b>  | Grid 6 <b>M4</b><br><b>29.31 dBV/m</b> |
| Grid 7 <b>M3</b><br><b>30.89 dBV/m</b> | Grid 8 <b>M3</b><br><b>31.55 dBV/m</b> | Grid 9 <b>M3</b><br><b>30.84 dBV/m</b> |



0 dB = 37.80 V/m = 31.55 dBV/m

## HAC-RF Emission ANT4 Wi-Fi 2.4GHz

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 2462 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 36.79 V/m; Power Drift = -0.08 dB

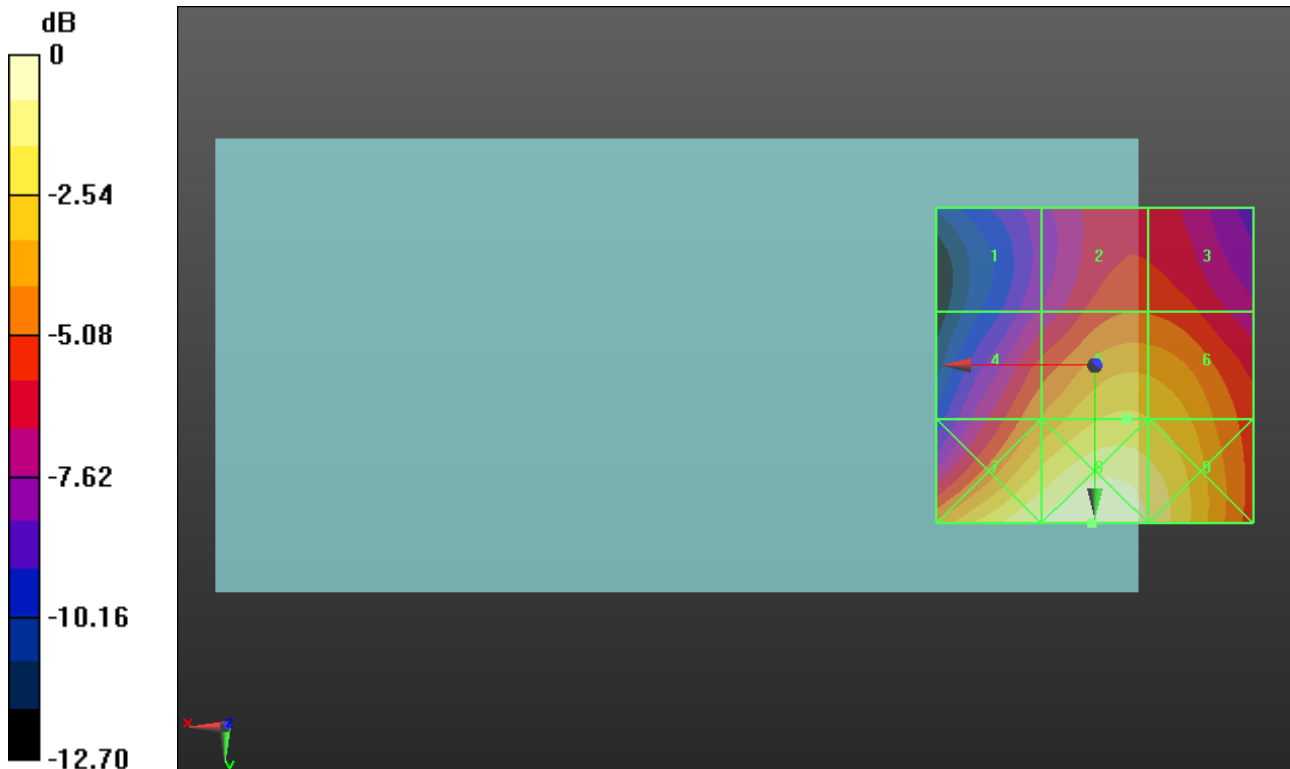
Applied MIF = -2.02 dB

RF audio interference level = 28.28 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>23.22 dBV/m</b> | Grid 2 <b>M4</b><br><b>25.58 dBV/m</b> | Grid 3 <b>M4</b><br><b>25.51 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>26.5 dBV/m</b>  | Grid 5 <b>M4</b><br><b>28.28 dBV/m</b> | Grid 6 <b>M4</b><br><b>28.14 dBV/m</b> |
| Grid 7 <b>M3</b><br><b>30.02 dBV/m</b> | Grid 8 <b>M3</b><br><b>30.62 dBV/m</b> | Grid 9 <b>M4</b><br><b>29.74 dBV/m</b> |



0 dB = 33.98 V/m = 30.62 dBV/m

## HAC-RF Emission ANT4 Wi-Fi 2.4GHz

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 2422 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

## 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 = 35.94 V/m; Power Drift = -0.06 dB

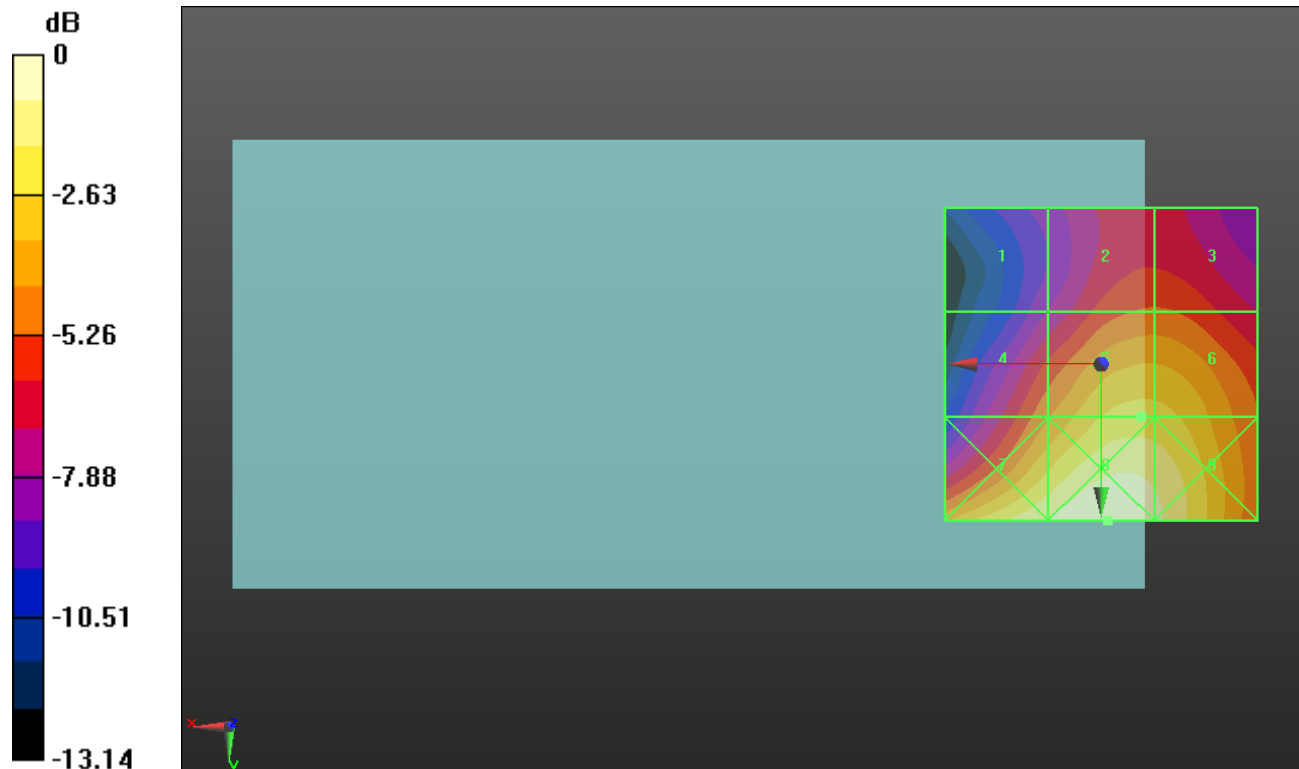
Applied MIF = 0.12 dB

RF audio interference level = 30.39 dBV/m

**Emission category: M3**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>24.78 dBV/m</b> | Grid 2 <b>M4</b><br><b>27.48 dBV/m</b> | Grid 3 <b>M4</b><br><b>27.48 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>28.16 dBV/m</b> | Grid 5 <b>M3</b><br><b>30.39 dBV/m</b> | Grid 6 <b>M3</b><br><b>30.34 dBV/m</b> |
| Grid 7 <b>M3</b><br><b>31.8 dBV/m</b>  | Grid 8 <b>M3</b><br><b>32.6 dBV/m</b>  | Grid 9 <b>M3</b><br><b>31.99 dBV/m</b> |



0 dB = 42.64 V/m = 32.60 dBV/m

## HAC-RF Emission ANT4 Wi-Fi 2.4GHz

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 2437 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

## 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 = 41.52 V/m; Power Drift = -0.03 dB

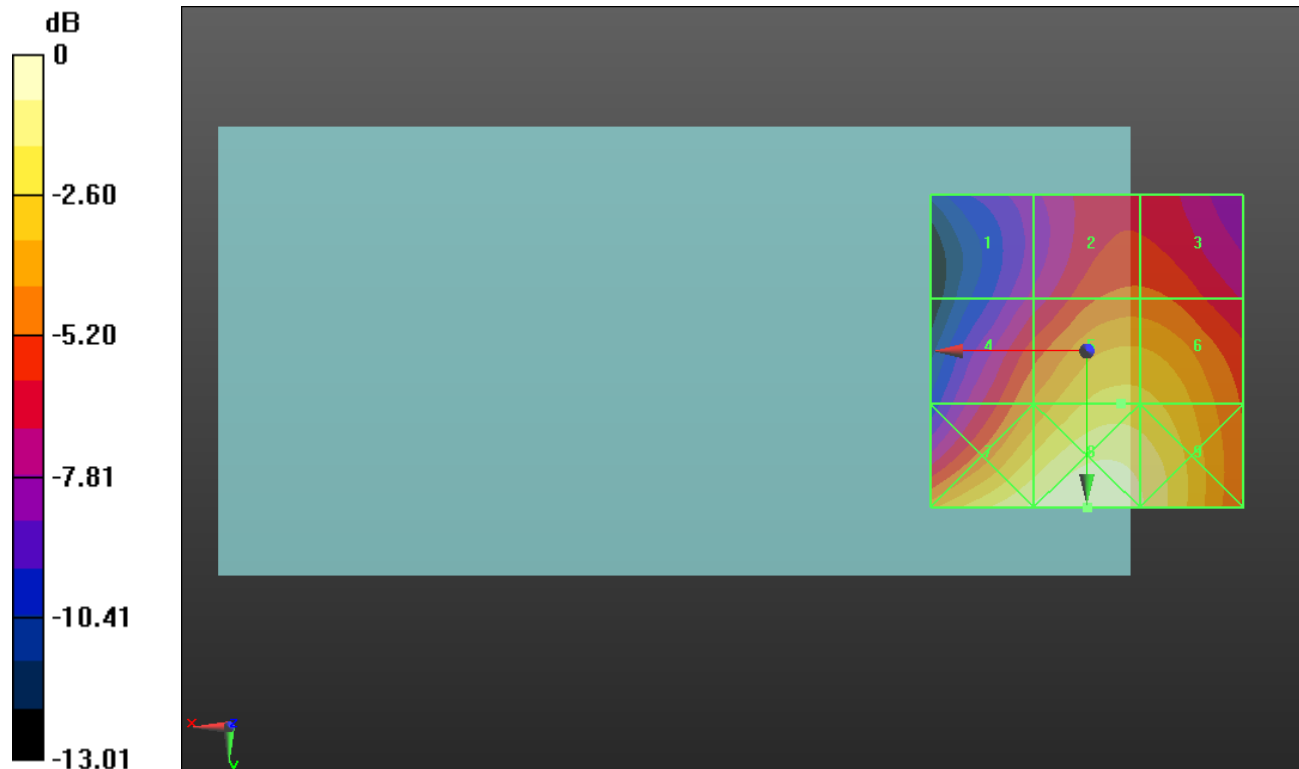
Applied MIF = 0.12 dB

RF audio interference level = 31.51 dBV/m

**Emission category: M3**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>26.21 dBV/m</b> | Grid 2 <b>M4</b><br><b>28.8 dBV/m</b>  | Grid 3 <b>M4</b><br><b>28.79 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>29.49 dBV/m</b> | Grid 5 <b>M3</b><br><b>31.51 dBV/m</b> | Grid 6 <b>M3</b><br><b>31.41 dBV/m</b> |
| Grid 7 <b>M3</b><br><b>33 dBV/m</b>    | Grid 8 <b>M3</b><br><b>33.67 dBV/m</b> | Grid 9 <b>M3</b><br><b>32.93 dBV/m</b> |



0 dB = 48.28 V/m = 33.68 dBV/m

## HAC-RF Emission ANT4 Wi-Fi 2.4GHz

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 2452 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

## 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 = 41.55 V/m; Power Drift = -0.17 dB

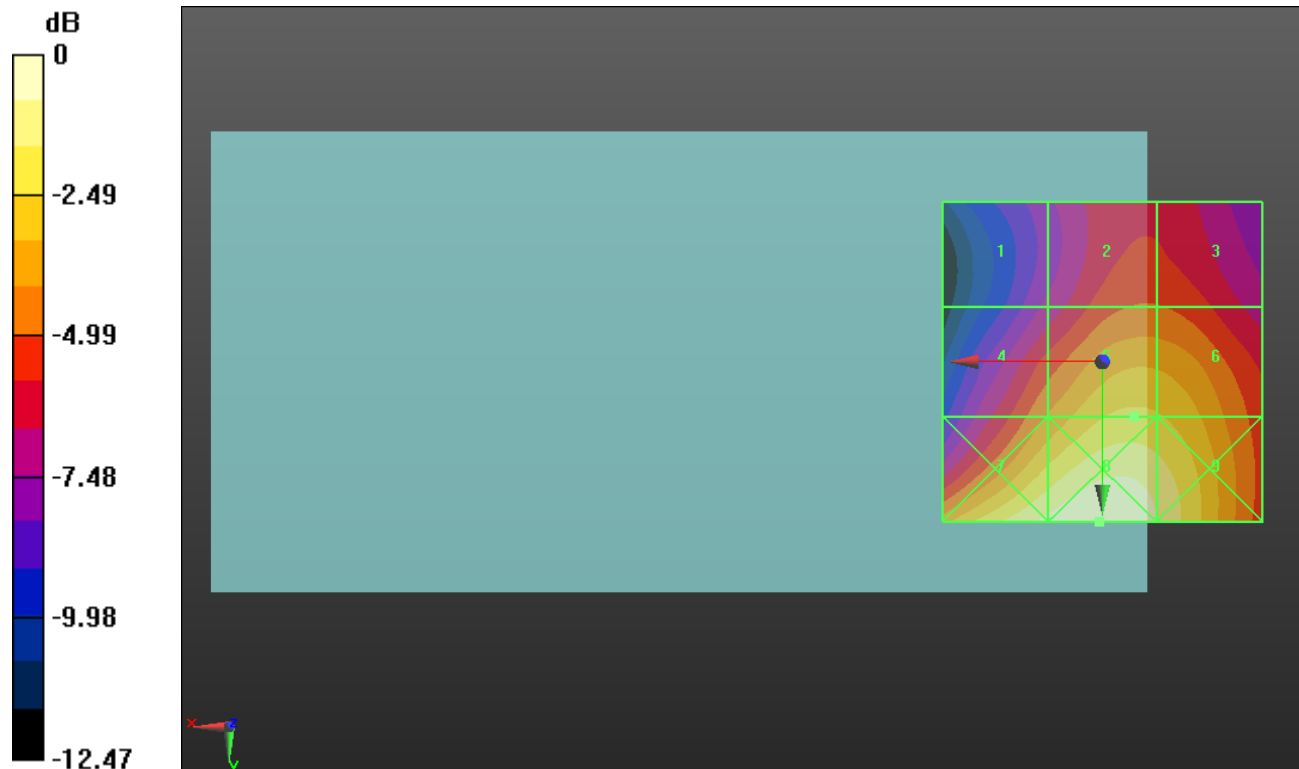
Applied MIF = 0.12 dB

RF audio interference level = 31.39 dBV/m

Emission category: **M3**

MIF scaled E-field

|                                       |                                        |                                        |
|---------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>26.5 dBV/m</b> | Grid 2 <b>M4</b><br><b>28.79 dBV/m</b> | Grid 3 <b>M4</b><br><b>28.76 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>29.6 dBV/m</b> | Grid 5 <b>M3</b><br><b>31.39 dBV/m</b> | Grid 6 <b>M3</b><br><b>31.26 dBV/m</b> |
| Grid 7 <b>M3</b><br><b>33.1 dBV/m</b> | Grid 8 <b>M3</b><br><b>33.67 dBV/m</b> | Grid 9 <b>M3</b><br><b>32.85 dBV/m</b> |



0 dB = 48.23 V/m = 33.67 dBV/m

## HAC-RF Emission ANT5 Wi-Fi 5GHz

Communication System: UID 10062 - CAC, IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps); Frequency: 5200 MHz; Duty Cycle: 1:7.37564

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 5200 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

## 802.11a E-Field measurement/IEEE 802.11a\_OFDM 6 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 = 7.711 V/m; Power Drift = -0.39 dB

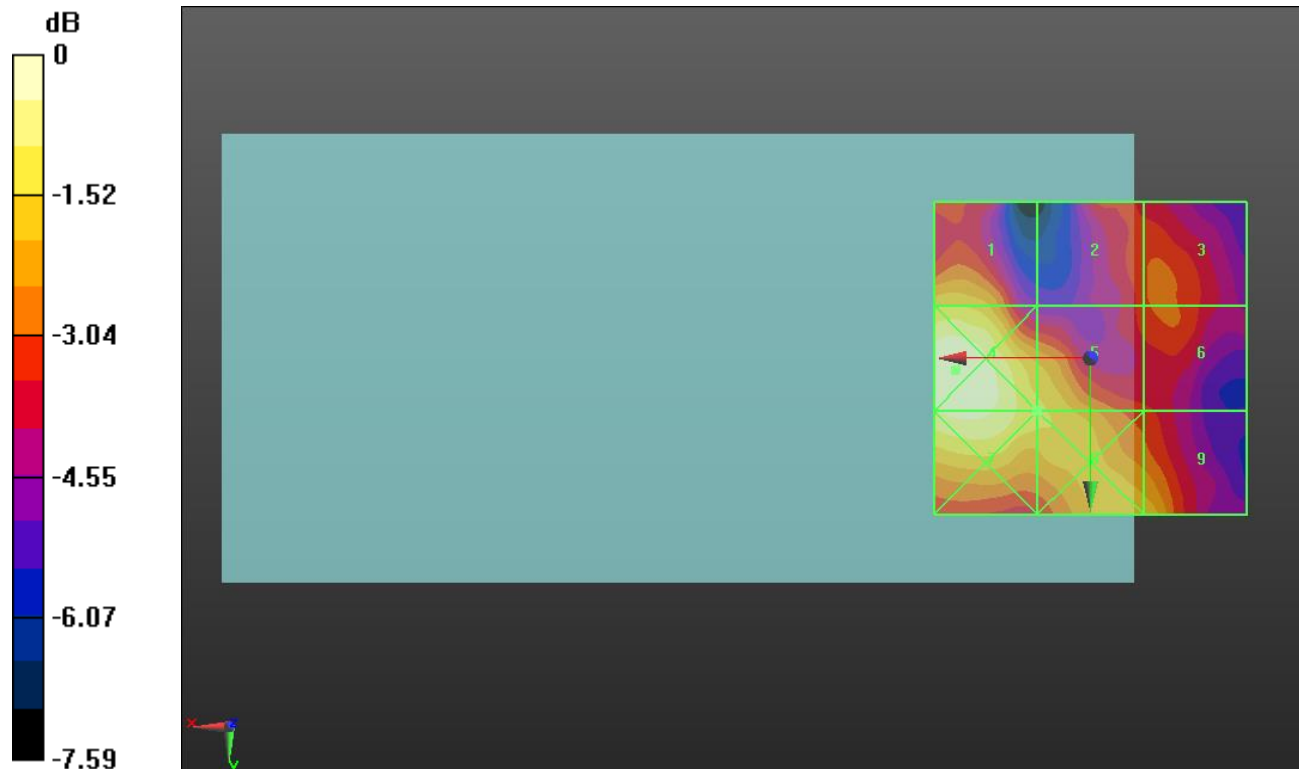
Applied MIF = -5.82 dB

RF audio interference level = 12.09 dBV/m

Emission category: **M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>12 dBV/m</b>    | Grid 2 <b>M4</b><br><b>10.41 dBV/m</b> | Grid 3 <b>M4</b><br><b>10.63 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>13.49 dBV/m</b> | Grid 5 <b>M4</b><br><b>12.09 dBV/m</b> | Grid 6 <b>M4</b><br><b>10.61 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>13.14 dBV/m</b> | Grid 8 <b>M4</b><br><b>12.09 dBV/m</b> | Grid 9 <b>M4</b><br><b>11.9 dBV/m</b>  |



0 dB = 4.728 V/m = 13.49 dBV/m

## HAC-RF Emission ANT5 Wi-Fi 5GHz

Communication System: UID 10062 - CAC, IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps); Frequency: 5220 MHz; Duty Cycle: 1:7.37564

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 5220 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

### 802.11a E-Field measurement/IEEE 802.11a\_OFDM 6 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 = 7.887 V/m; Power Drift = 0.16 dB

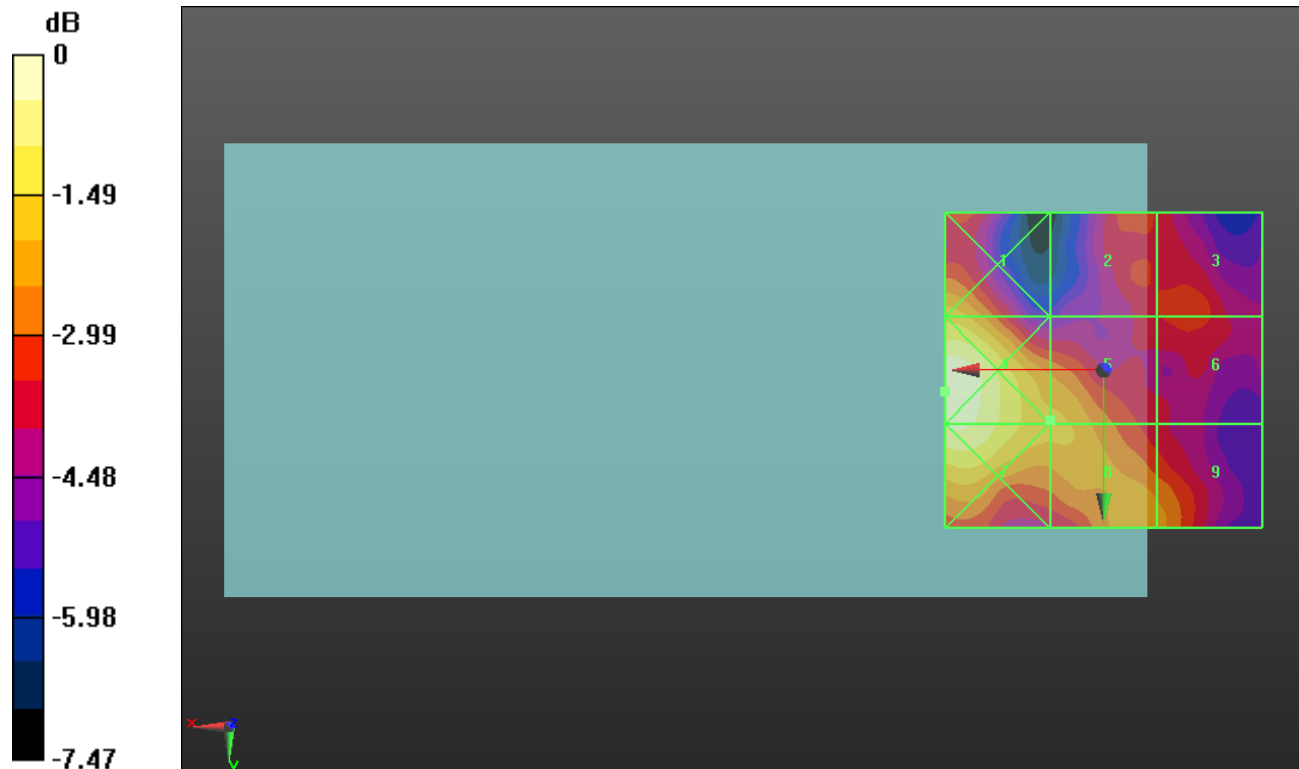
Applied MIF = -5.82 dB

RF audio interference level = 12.09 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>12.32 dBV/m</b> | Grid 2 <b>M4</b><br><b>10.85 dBV/m</b> | Grid 3 <b>M4</b><br><b>10.82 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>13.97 dBV/m</b> | Grid 5 <b>M4</b><br><b>12.09 dBV/m</b> | Grid 6 <b>M4</b><br><b>10.77 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>13.6 dBV/m</b>  | Grid 8 <b>M4</b><br><b>12.09 dBV/m</b> | Grid 9 <b>M4</b><br><b>11.71 dBV/m</b> |



0 dB = 4.994 V/m = 13.97 dBV/m

## HAC-RF Emission ANT5 Wi-Fi 5GHz

Communication System: UID 10062 - CAC, IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps); Frequency: 5240 MHz; Duty Cycle: 1:7.37564

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 5240 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

## 802.11a E-Field measurement/IEEE 802.11a\_OFDM 6 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 = 8.404 V/m; Power Drift = -0.03 dB

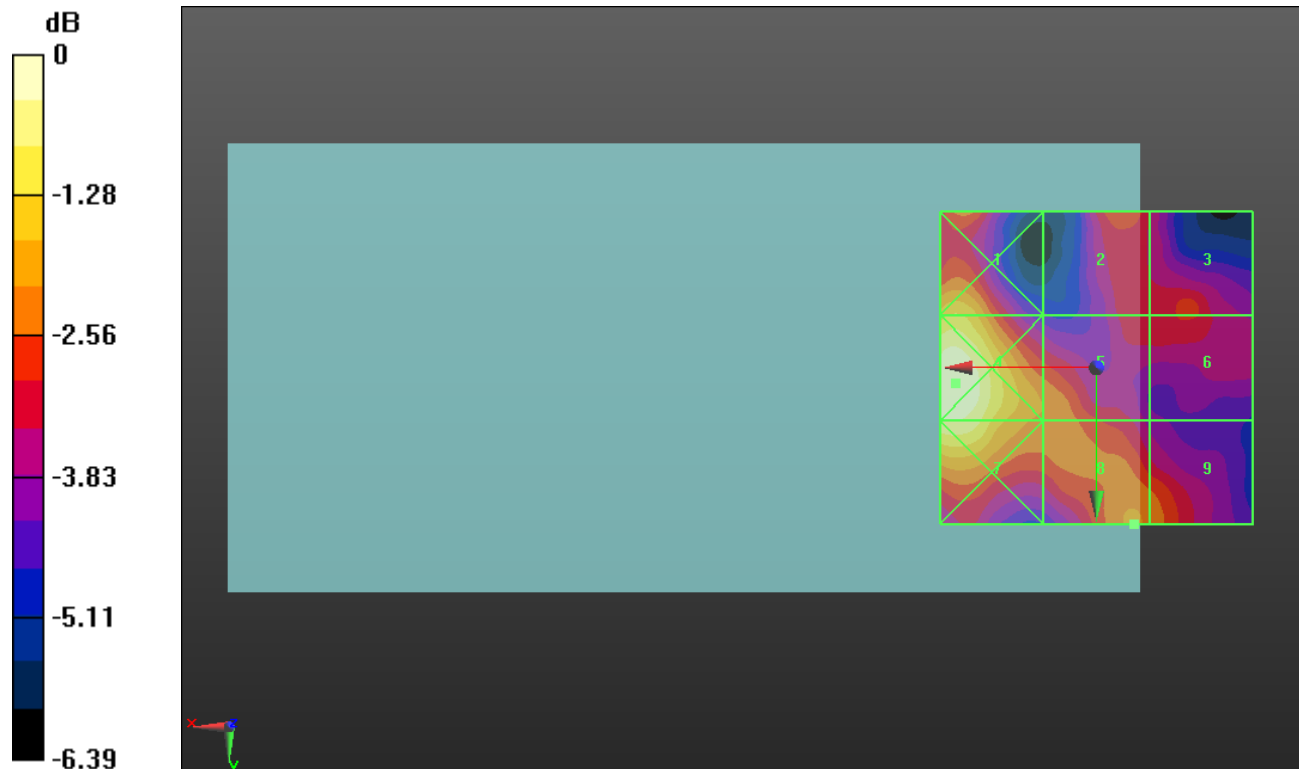
Applied MIF = -5.82 dB

RF audio interference level = 12.18 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>13.01 dBV/m</b> | Grid 2 <b>M4</b><br><b>11.61 dBV/m</b> | Grid 3 <b>M4</b><br><b>11.48 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>14.23 dBV/m</b> | Grid 5 <b>M4</b><br><b>12.11 dBV/m</b> | Grid 6 <b>M4</b><br><b>11.41 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>13.82 dBV/m</b> | Grid 8 <b>M4</b><br><b>12.18 dBV/m</b> | Grid 9 <b>M4</b><br><b>11.98 dBV/m</b> |



0 dB = 5.149 V/m = 14.23 dBV/m

## HAC-RF Emission ANT5 Wi-Fi 5GHz

Communication System: UID 10062 - CAC, IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps); Frequency: 5260 MHz; Duty Cycle: 1:7.37564

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 5260 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

## 802.11a E-Field measurement/IEEE 802.11a\_OFDM 6 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 = 8.719 V/m; Power Drift = -0.03 dB

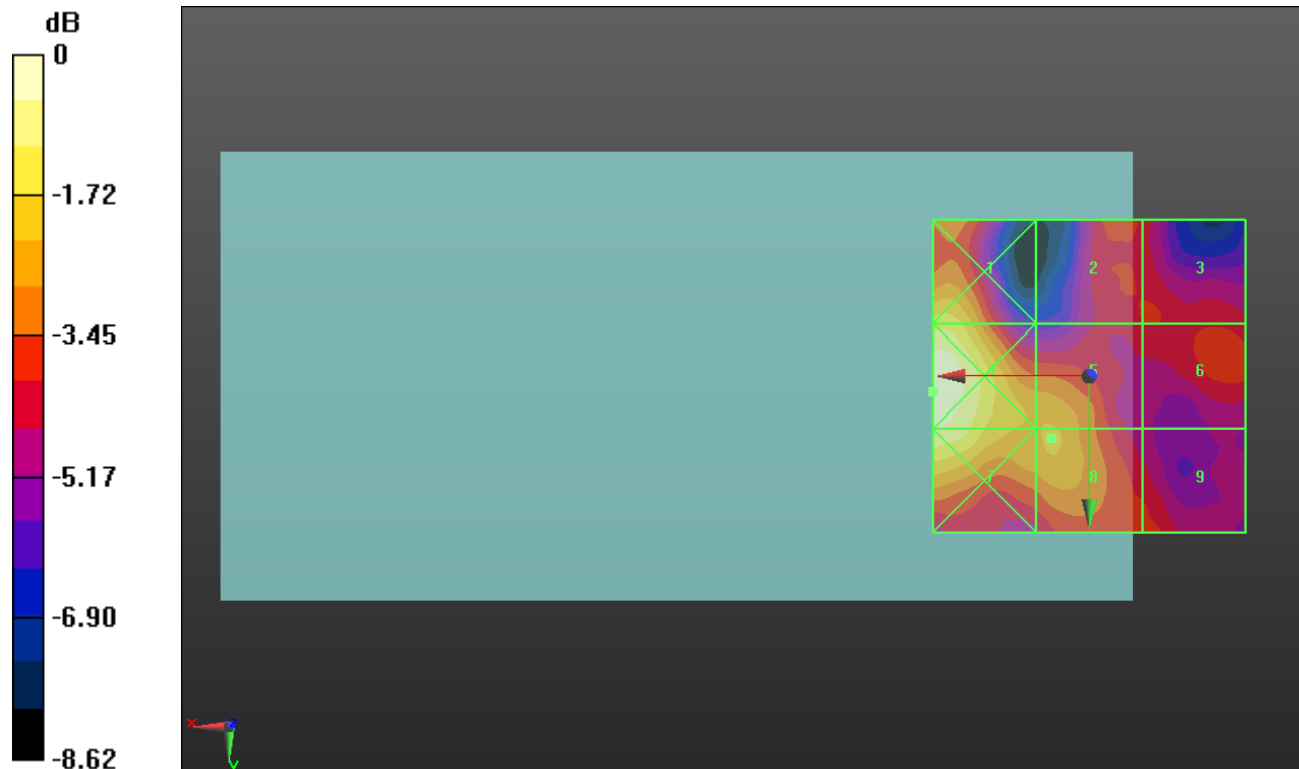
Applied MIF = -5.82 dB

RF audio interference level = 12.25 dBV/m

Emission category: **M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>13.09 dBV/m</b> | Grid 2 <b>M4</b><br><b>10.58 dBV/m</b> | Grid 3 <b>M4</b><br><b>10.52 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>14.43 dBV/m</b> | Grid 5 <b>M4</b><br><b>12.2 dBV/m</b>  | Grid 6 <b>M4</b><br><b>10.74 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>13.85 dBV/m</b> | Grid 8 <b>M4</b><br><b>12.25 dBV/m</b> | Grid 9 <b>M4</b><br><b>10.66 dBV/m</b> |



0 dB = 5.269 V/m = 14.43 dBV/m

## HAC-RF Emission ANT5 Wi-Fi 5GHz

Communication System: UID 10062 - CAC, IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps); Frequency: 5280 MHz; Duty Cycle: 1:7.37564

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 5280 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

### 802.11a E-Field measurement/IEEE 802.11a\_OFDM 6 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 = 8.951 V/m; Power Drift = -0.24 dB

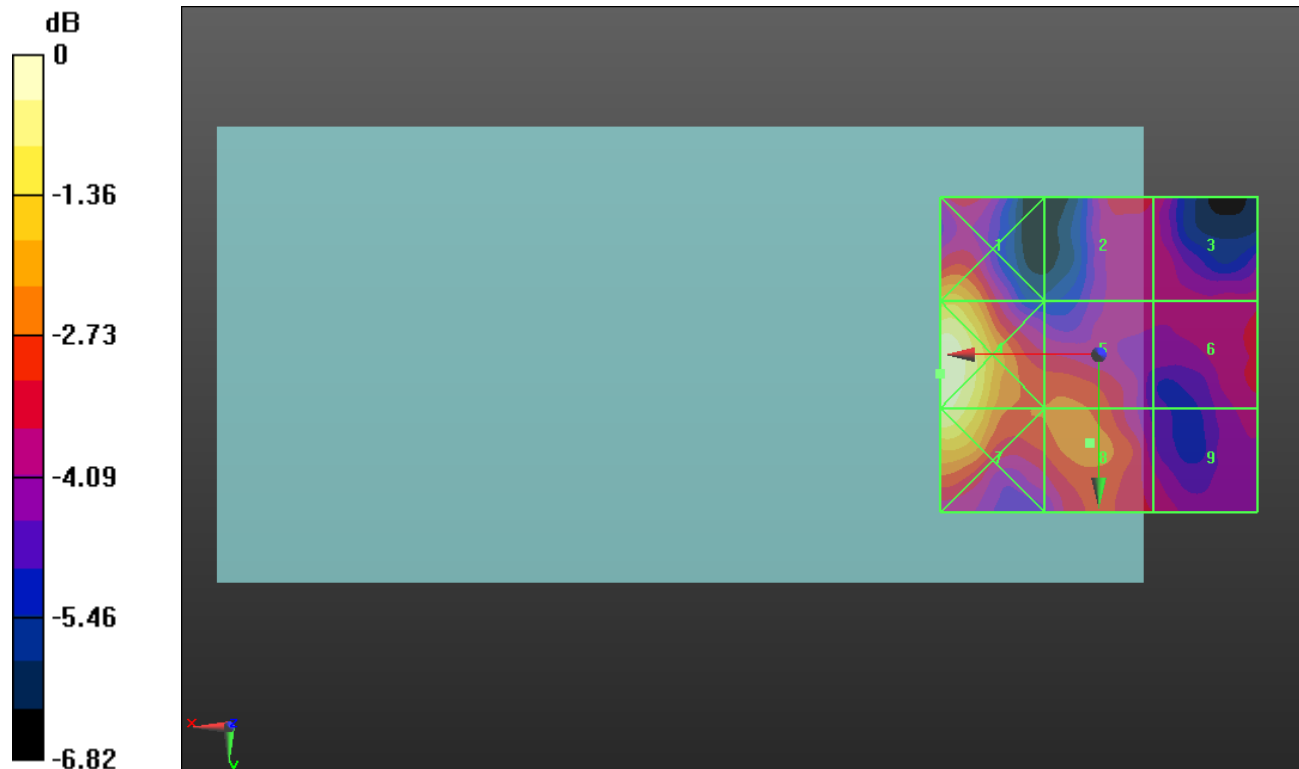
Applied MIF = -5.82 dB

RF audio interference level = 12.38 dBV/m

Emission category: **M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>13.31 dBV/m</b> | Grid 2 <b>M4</b><br><b>11.47 dBV/m</b> | Grid 3 <b>M4</b><br><b>11.31 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>14.8 dBV/m</b>  | Grid 5 <b>M4</b><br><b>12.18 dBV/m</b> | Grid 6 <b>M4</b><br><b>11.35 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>14.47 dBV/m</b> | Grid 8 <b>M4</b><br><b>12.38 dBV/m</b> | Grid 9 <b>M4</b><br><b>11.19 dBV/m</b> |



0 dB = 5.497 V/m = 14.80 dBV/m

## HAC-RF Emission ANT5 Wi-Fi 5GHz

Communication System: UID 10062 - CAC, IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps); Frequency: 5300 MHz; Duty Cycle: 1:7.37564

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 5300 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

## 802.11a E-Field measurement/IEEE 802.11a\_OFDM 6 Mbps Ch. 60/Hearing Aid Compatibility Test (101x101x1):

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 8.965 V/m; Power Drift = 0.09 dB

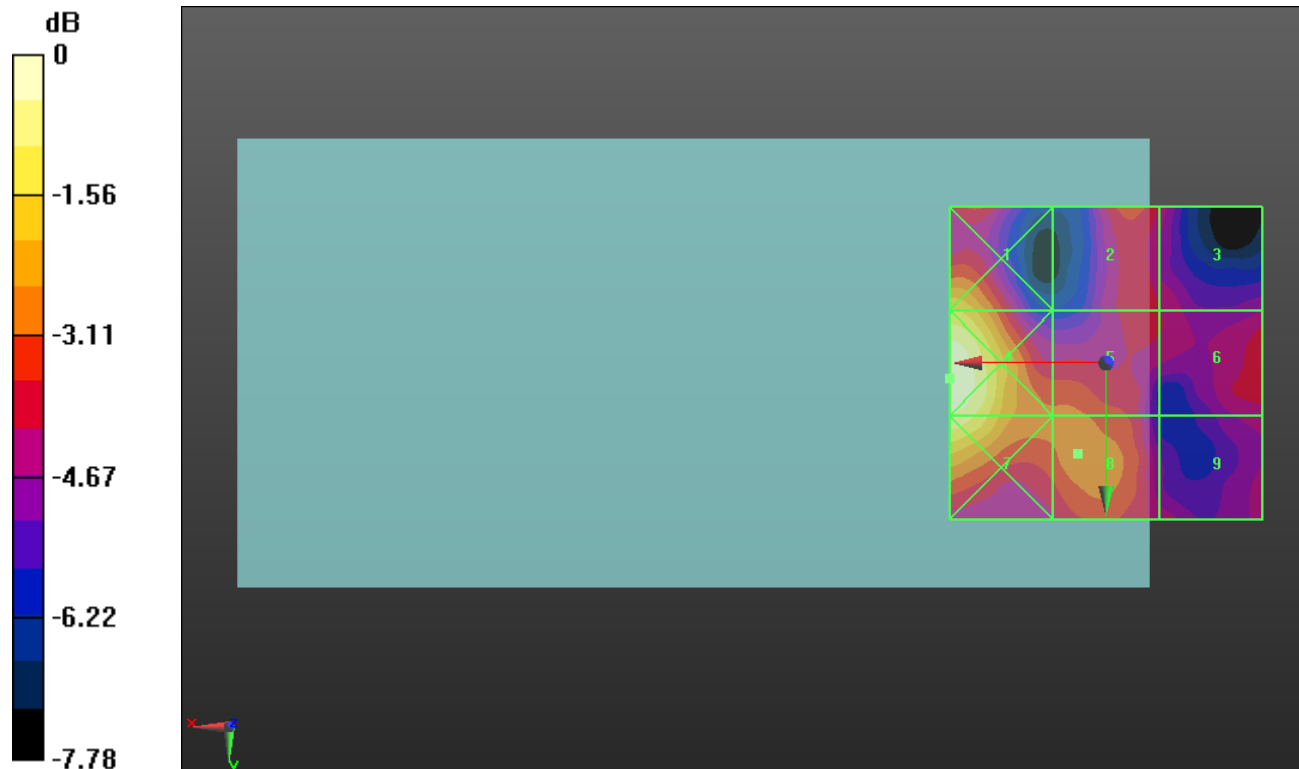
Applied MIF = -5.82 dB

RF audio interference level = 12.44 dBV/m

Emission category: **M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>13.6 dBV/m</b>  | Grid 2 <b>M4</b><br><b>11.71 dBV/m</b> | Grid 3 <b>M4</b><br><b>11 dBV/m</b>    |
| Grid 4 <b>M4</b><br><b>15.11 dBV/m</b> | Grid 5 <b>M4</b><br><b>12.17 dBV/m</b> | Grid 6 <b>M4</b><br><b>11.41 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>14.57 dBV/m</b> | Grid 8 <b>M4</b><br><b>12.44 dBV/m</b> | Grid 9 <b>M4</b><br><b>10.83 dBV/m</b> |



0 dB = 5.695 V/m = 15.11 dBV/m

## HAC-RF Emission ANT5 Wi-Fi 5GHz

Communication System: UID 10062 - CAC, IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps); Frequency: 5520 MHz; Duty Cycle: 1:7.37564

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 5520 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

## 802.11a E-Field measurement/IEEE 802.11a\_OFDM 6 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 = 7.814 V/m; Power Drift = 0.13 dB

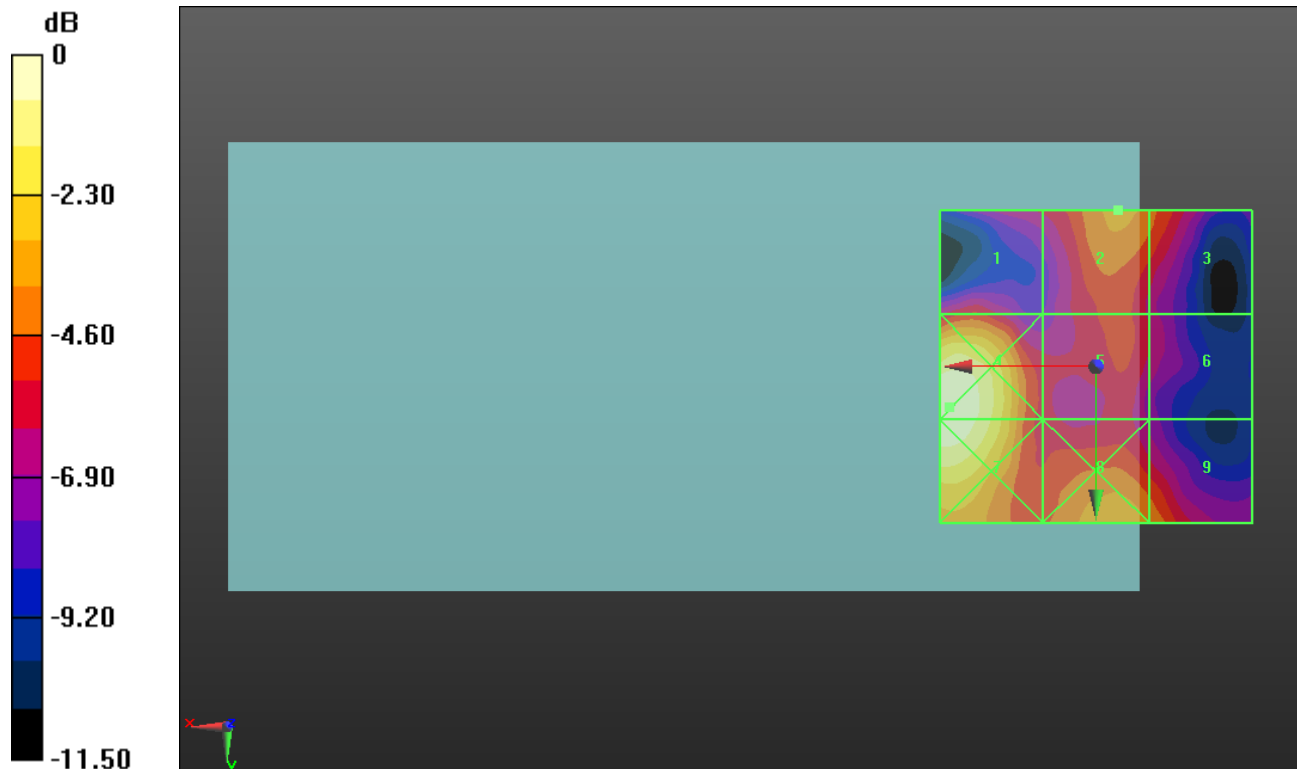
Applied MIF = -5.82 dB

RF audio interference level = 12.90 dBV/m

Emission category: **M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>11.32 dBV/m</b> | Grid 2 <b>M4</b><br><b>12.9 dBV/m</b>  | Grid 3 <b>M4</b><br><b>12.33 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>16.51 dBV/m</b> | Grid 5 <b>M4</b><br><b>11.51 dBV/m</b> | Grid 6 <b>M4</b><br><b>10.46 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>16.41 dBV/m</b> | Grid 8 <b>M4</b><br><b>13.29 dBV/m</b> | Grid 9 <b>M4</b><br><b>12.65 dBV/m</b> |



0 dB = 6.690 V/m = 16.51 dBV/m

## HAC-RF Emission ANT5 Wi-Fi 5GHz

Communication System: UID 10062 - CAC, IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps); Frequency: 5620 MHz; Duty Cycle: 1:7.37564

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 5620 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

## 802.11a E-Field measurement/IEEE 802.11a\_OFDM 6 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 = 7.307 V/m; Power Drift = 0.14 dB

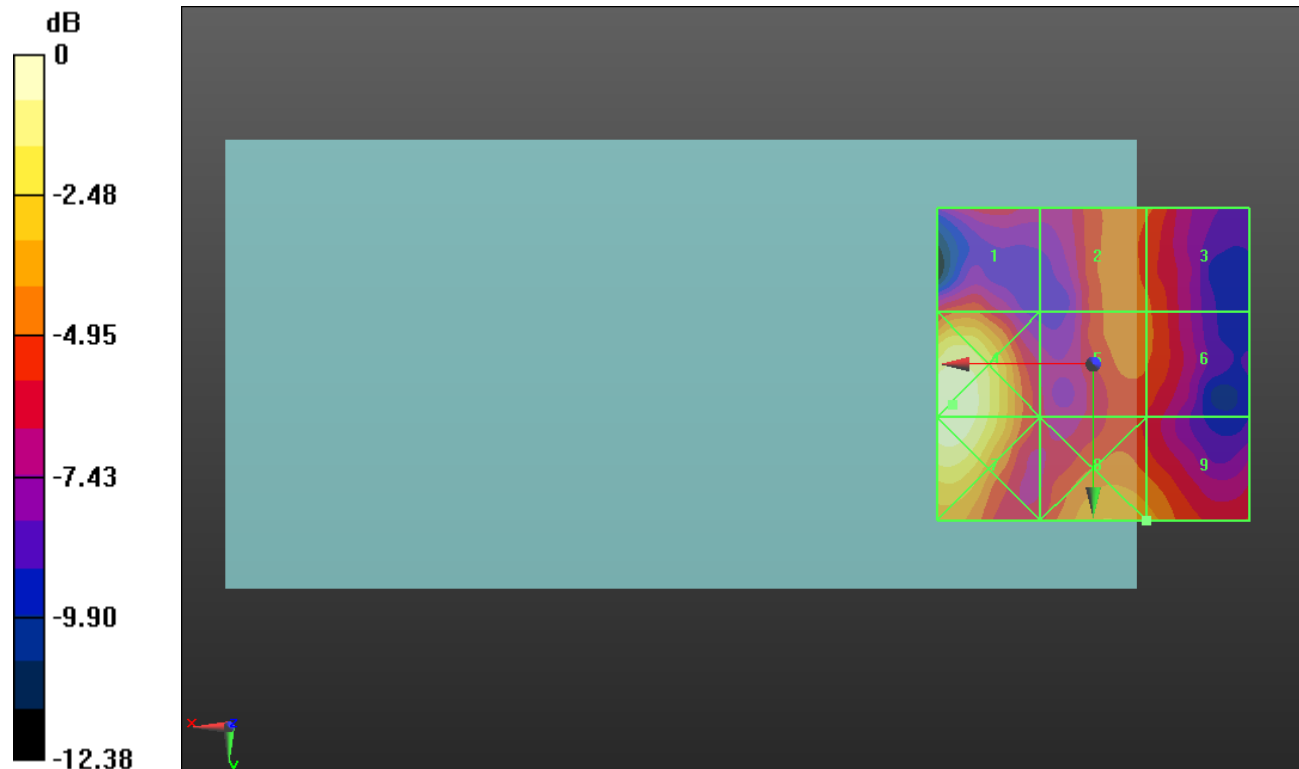
Applied MIF = -5.82 dB

RF audio interference level = 12.53 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>11.4 dBV/m</b>  | Grid 2 <b>M4</b><br><b>11.7 dBV/m</b>  | Grid 3 <b>M4</b><br><b>11.56 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>16.27 dBV/m</b> | Grid 5 <b>M4</b><br><b>11.72 dBV/m</b> | Grid 6 <b>M4</b><br><b>11.56 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>16.18 dBV/m</b> | Grid 8 <b>M4</b><br><b>13.03 dBV/m</b> | Grid 9 <b>M4</b><br><b>12.53 dBV/m</b> |



0 dB = 6.509 V/m = 16.27 dBV/m

## HAC-RF Emission ANT5 Wi-Fi 5GHz

Communication System: UID 10062 - CAC, IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps); Frequency: 5720 MHz; Duty Cycle: 1:7.37564

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 5720 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

## 802.11a E-Field measurement/IEEE 802.11a\_OFDM 6 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 = 4.888 V/m; Power Drift = 0.07 dB

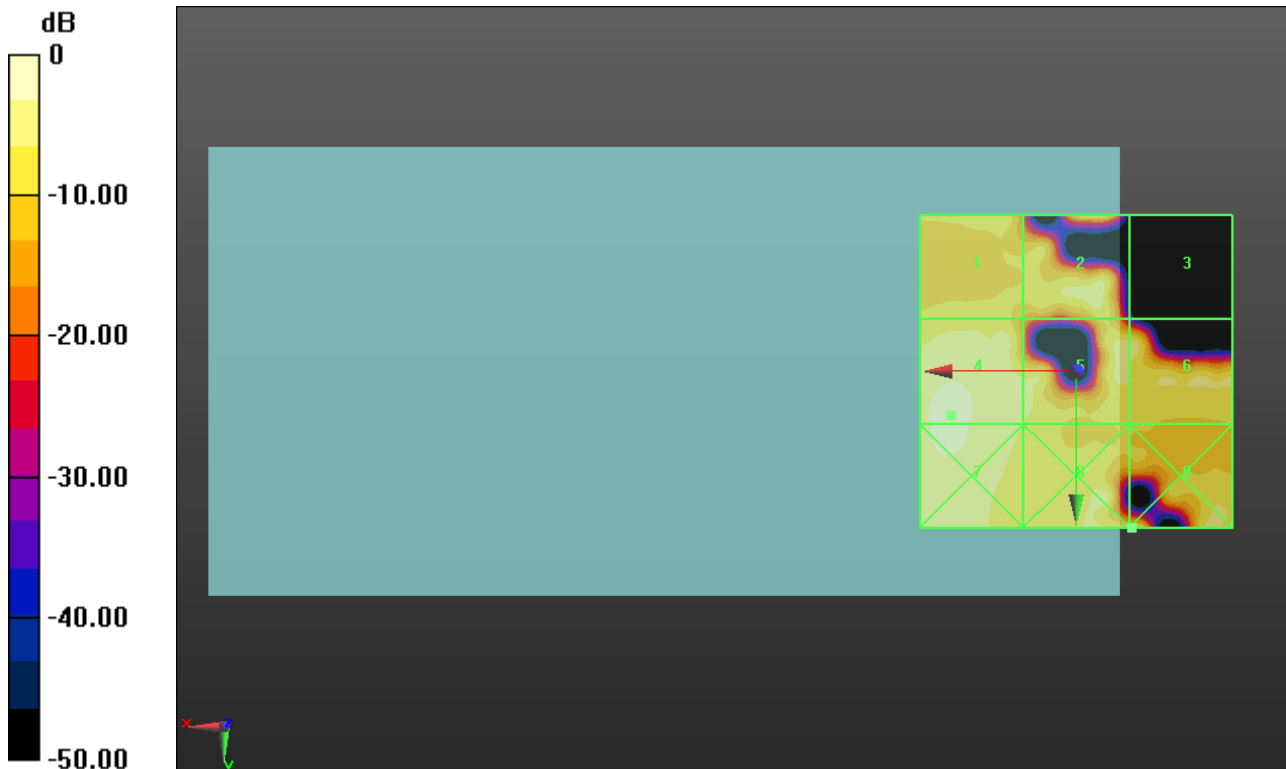
Applied MIF = -5.82 dB

RF audio interference level = 14.01 dBV/m

Emission category: **M4**

MIF scaled E-field

|                                        |                                        |                                         |
|----------------------------------------|----------------------------------------|-----------------------------------------|
| Grid 1 <b>M4</b><br><b>8.88 dBV/m</b>  | Grid 2 <b>M4</b><br><b>13.07 dBV/m</b> | Grid 3 <b>M4</b><br><b>-16.45 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>14.01 dBV/m</b> | Grid 5 <b>M4</b><br><b>12.87 dBV/m</b> | Grid 6 <b>M4</b><br><b>12.72 dBV/m</b>  |
| Grid 7 <b>M4</b><br><b>13.98 dBV/m</b> | Grid 8 <b>M4</b><br><b>16.22 dBV/m</b> | Grid 9 <b>M4</b><br><b>16.8 dBV/m</b>   |



0 dB = 6.920 V/m = 16.80 dBV/m

## HAC-RF Emission ANT5 Wi-Fi 5GHz

Communication System: UID 10062 - CAC, IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps); Frequency: 5745 MHz; Duty Cycle: 1:7.37564

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 5745 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

## 802.11a E-Field measurement/IEEE 802.11a\_OFDM 6 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 = 5.186 V/m; Power Drift = 0.17 dB

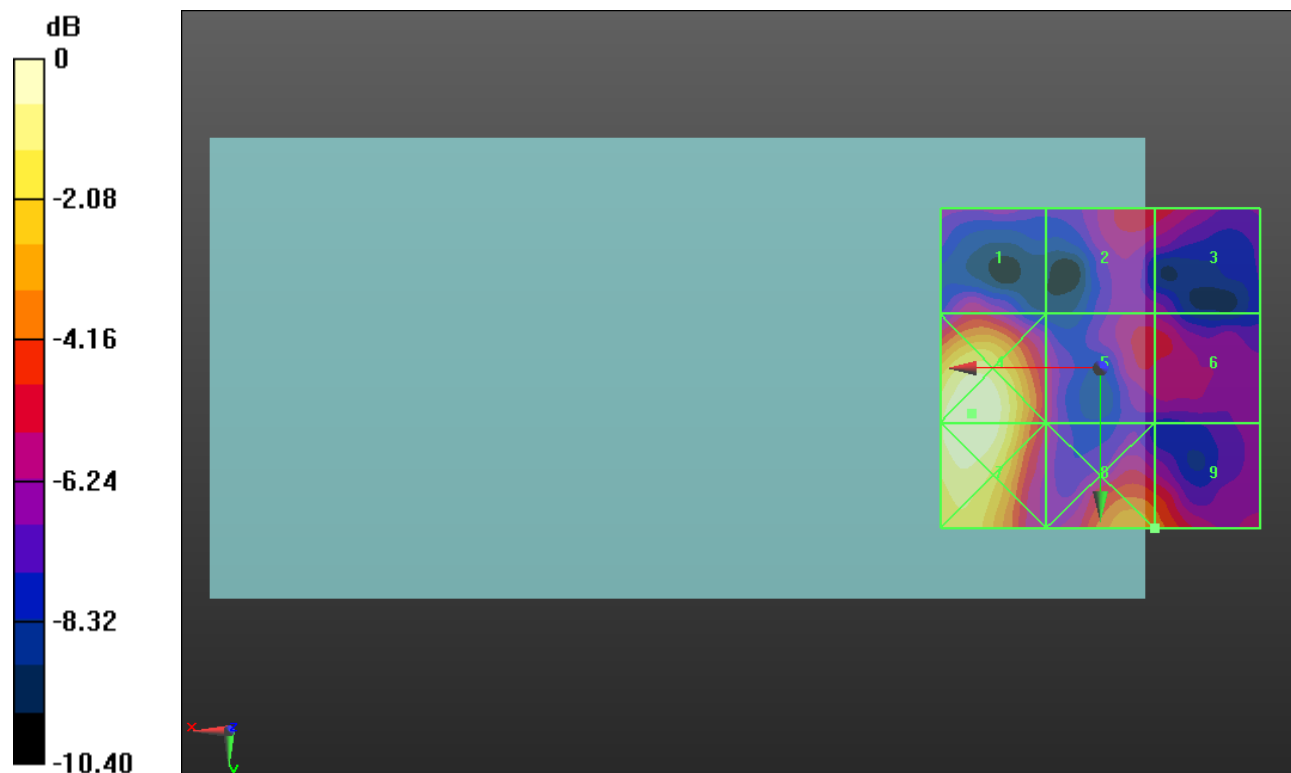
Applied MIF = -5.82 dB

RF audio interference level = 10.39 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>8.73 dBV/m</b>  | Grid 2 <b>M4</b><br><b>9.21 dBV/m</b>  | Grid 3 <b>M4</b><br><b>8.95 dBV/m</b>  |
| Grid 4 <b>M4</b><br><b>14.01 dBV/m</b> | Grid 5 <b>M4</b><br><b>8.87 dBV/m</b>  | Grid 6 <b>M4</b><br><b>8.85 dBV/m</b>  |
| Grid 7 <b>M4</b><br><b>13.94 dBV/m</b> | Grid 8 <b>M4</b><br><b>11.23 dBV/m</b> | Grid 9 <b>M4</b><br><b>10.39 dBV/m</b> |



0 dB = 5.018 V/m = 14.01 dBV/m

## HAC-RF Emission ANT5 Wi-Fi 5GHz

Communication System: UID 10062 - CAC, IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps); Frequency: 5785 MHz; Duty Cycle: 1:7.37564

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 5785 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

## 802.11a E-Field measurement/IEEE 802.11a\_OFDM 6 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 = 5.342 V/m; Power Drift = -0.48 dB

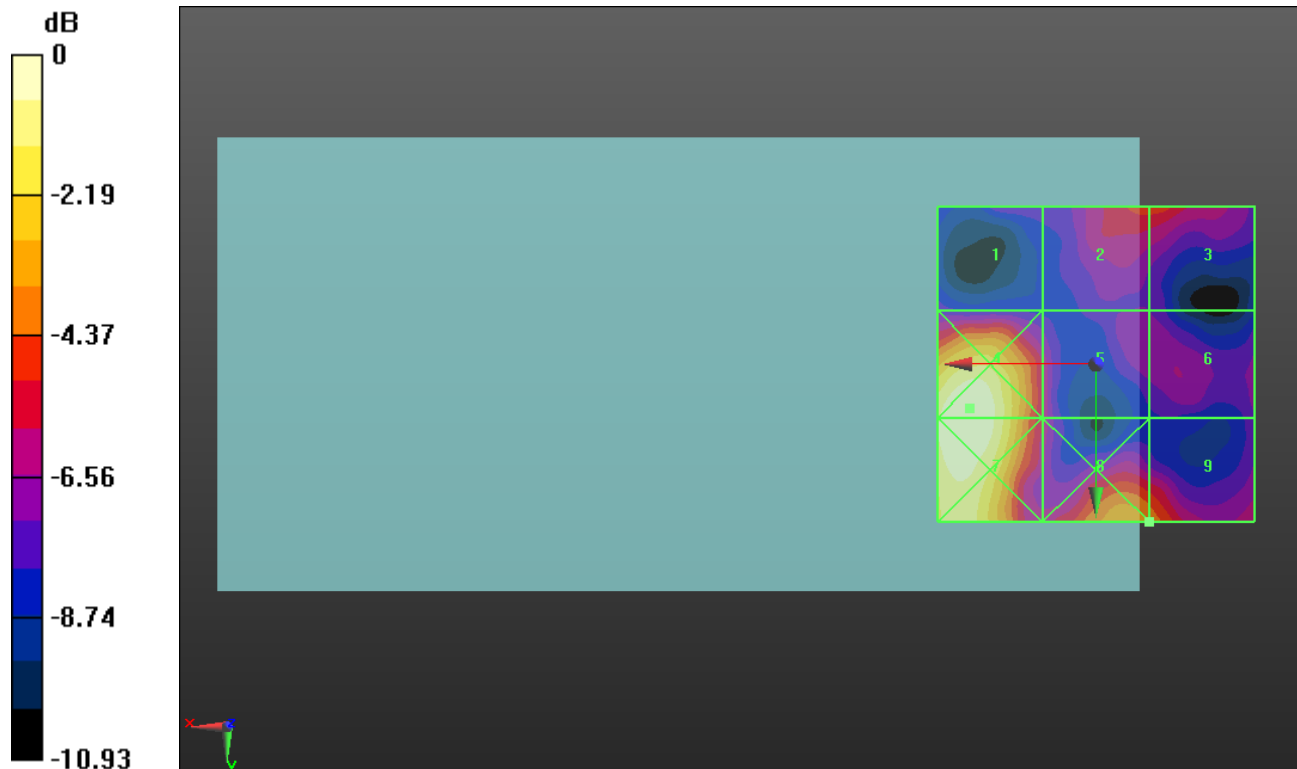
Applied MIF = -5.82 dB

RF audio interference level = 10.73 dBV/m

Emission category: **M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>7.47 dBV/m</b>  | Grid 2 <b>M4</b><br><b>9.9 dBV/m</b>   | Grid 3 <b>M4</b><br><b>9.91 dBV/m</b>  |
| Grid 4 <b>M4</b><br><b>14.52 dBV/m</b> | Grid 5 <b>M4</b><br><b>8.83 dBV/m</b>  | Grid 6 <b>M4</b><br><b>8 dBV/m</b>     |
| Grid 7 <b>M4</b><br><b>14.48 dBV/m</b> | Grid 8 <b>M4</b><br><b>11.38 dBV/m</b> | Grid 9 <b>M4</b><br><b>10.73 dBV/m</b> |



0 dB = 5.320 V/m = 14.52 dBV/m

## HAC-RF Emission ANT5 Wi-Fi 5GHz

Communication System: UID 10062 - CAC, IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps); Frequency: 5825 MHz; Duty Cycle: 1:7.37564

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 5825 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

### 802.11a E-Field measurement/IEEE 802.11a\_OFDM 6 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 = 4.879 V/m; Power Drift = 0.41 dB

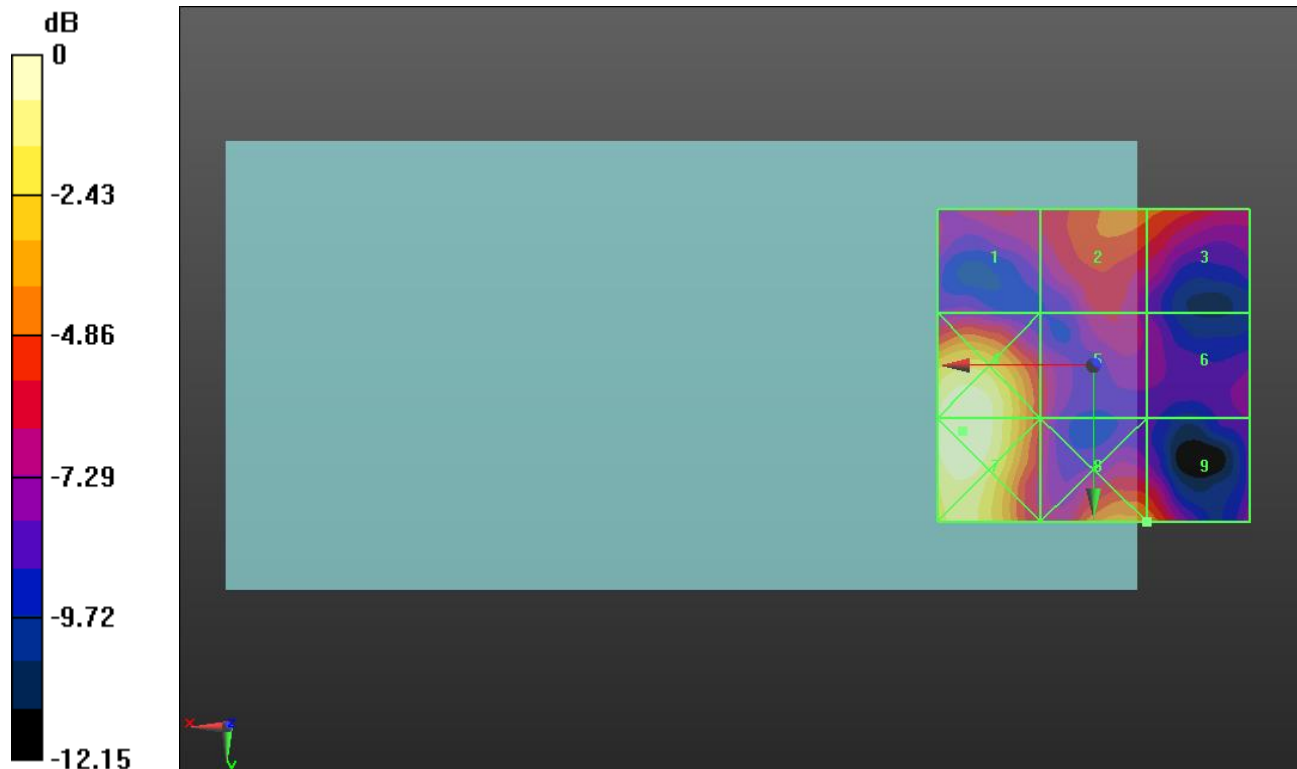
Applied MIF = -5.82 dB

RF audio interference level = 11.19 dBV/m

Emission category: **M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>8.89 dBV/m</b>  | Grid 2 <b>M4</b><br><b>10.74 dBV/m</b> | Grid 3 <b>M4</b><br><b>10.6 dBV/m</b>  |
| Grid 4 <b>M4</b><br><b>15.1 dBV/m</b>  | Grid 5 <b>M4</b><br><b>9.57 dBV/m</b>  | Grid 6 <b>M4</b><br><b>7.72 dBV/m</b>  |
| Grid 7 <b>M4</b><br><b>15.14 dBV/m</b> | Grid 8 <b>M4</b><br><b>11.49 dBV/m</b> | Grid 9 <b>M4</b><br><b>11.19 dBV/m</b> |



0 dB = 5.717 V/m = 15.14 dBV/m

## HAC-RF Emission ANT7

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 3560 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

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

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 7.577 V/m; Power Drift = -0.01 dB

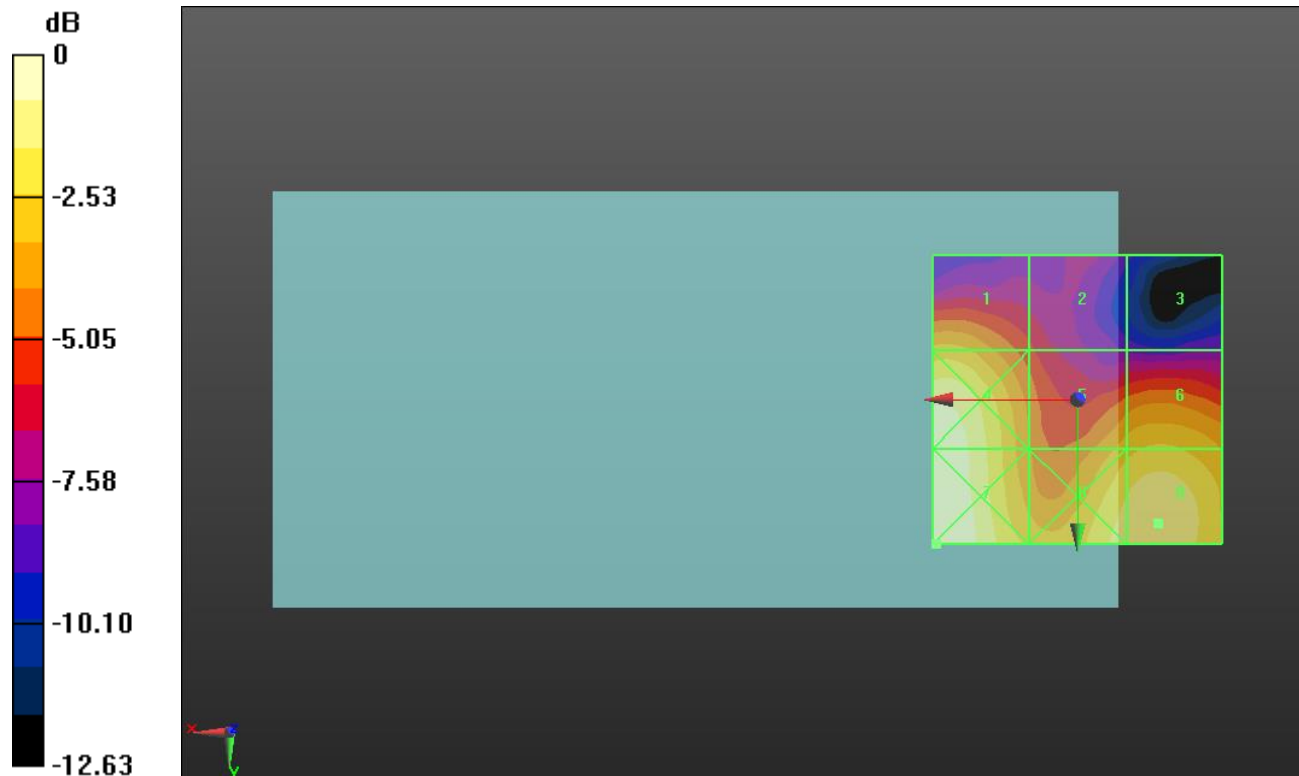
Applied MIF = -1.44 dB

RF audio interference level = 21.23 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>19.25 dBV/m</b> | Grid 2 <b>M4</b><br><b>16.65 dBV/m</b> | Grid 3 <b>M4</b><br><b>13.95 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>21.87 dBV/m</b> | Grid 5 <b>M4</b><br><b>19.33 dBV/m</b> | Grid 6 <b>M4</b><br><b>19.85 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>22.21 dBV/m</b> | Grid 8 <b>M4</b><br><b>20.93 dBV/m</b> | Grid 9 <b>M4</b><br><b>21.23 dBV/m</b> |



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

## HAC-RF Emission ANT7

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 3603.3 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

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

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 7.246 V/m; Power Drift = -0.08 dB

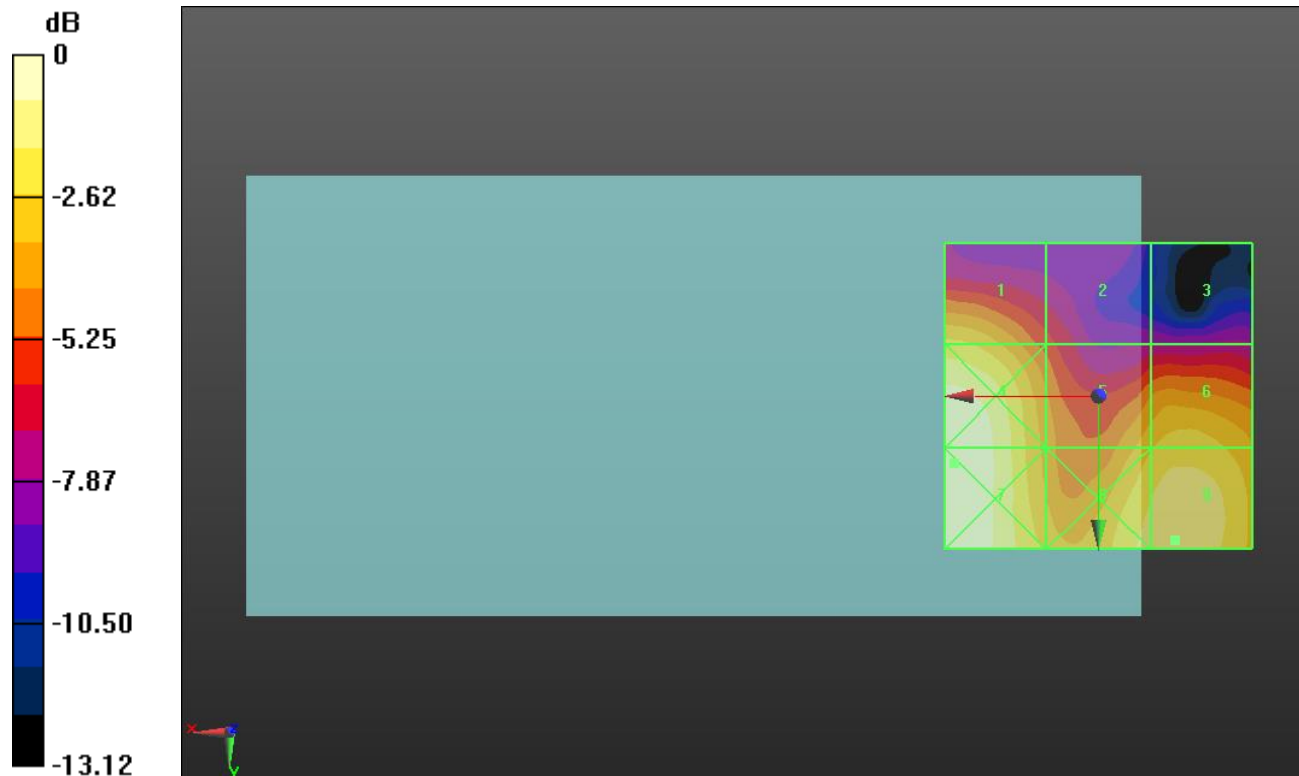
Applied MIF = -1.44 dB

RF audio interference level = 20.83 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>19.64 dBV/m</b> | Grid 2 <b>M4</b><br><b>16.36 dBV/m</b> | Grid 3 <b>M4</b><br><b>14.46 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>21.99 dBV/m</b> | Grid 5 <b>M4</b><br><b>19.31 dBV/m</b> | Grid 6 <b>M4</b><br><b>19.88 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>22.02 dBV/m</b> | Grid 8 <b>M4</b><br><b>20.63 dBV/m</b> | Grid 9 <b>M4</b><br><b>20.83 dBV/m</b> |



0 dB = 12.61 V/m = 22.01 dBV/m

## HAC-RF Emission ANT7

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 3646.7 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

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

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 7.056 V/m; Power Drift = 0.06 dB

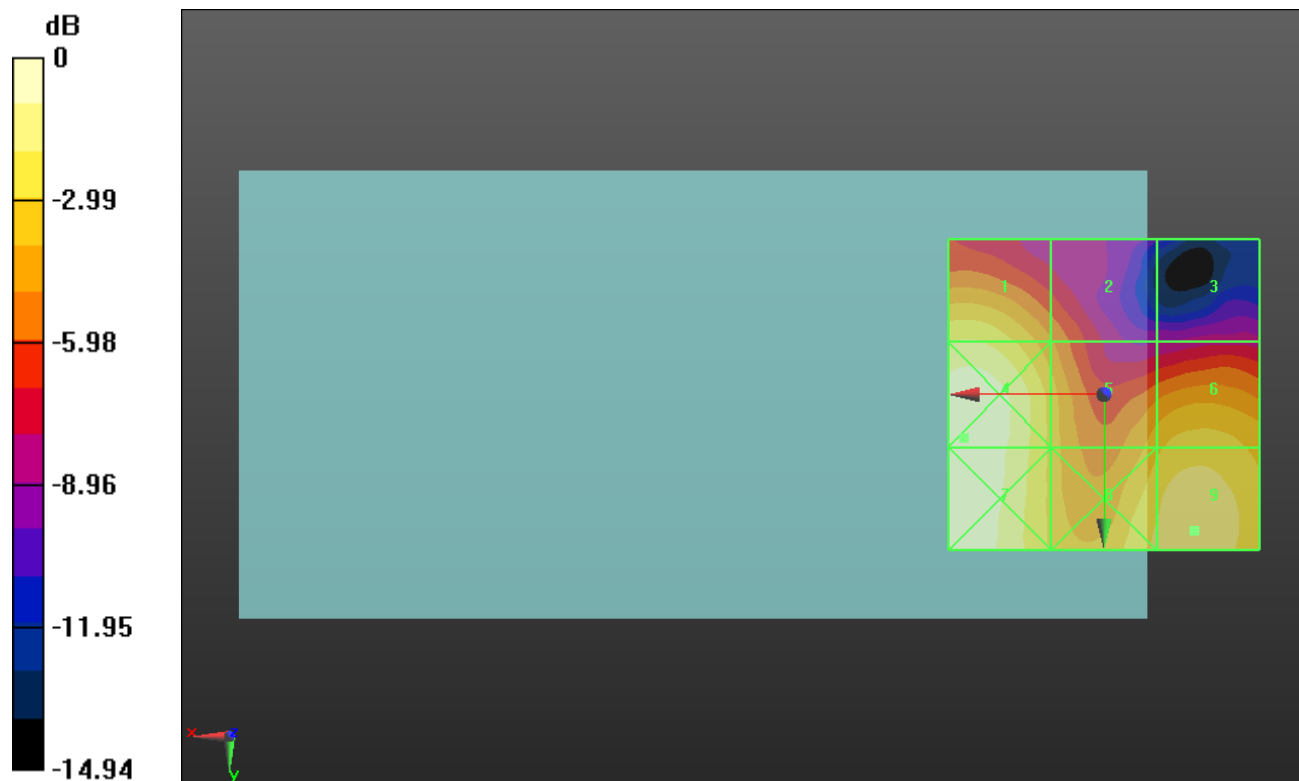
Applied MIF = -1.44 dB

RF audio interference level = 20.66 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>20.08 dBV/m</b> | Grid 2 <b>M4</b><br><b>17.11 dBV/m</b> | Grid 3 <b>M4</b><br><b>13.74 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>21.95 dBV/m</b> | Grid 5 <b>M4</b><br><b>18.69 dBV/m</b> | Grid 6 <b>M4</b><br><b>19.52 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>21.94 dBV/m</b> | Grid 8 <b>M4</b><br><b>20.23 dBV/m</b> | Grid 9 <b>M4</b><br><b>20.66 dBV/m</b> |



0 dB = 12.51 V/m = 21.95 dBV/m

## HAC-RF Emission ANT7

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 3690 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

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

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 8.213 V/m; Power Drift = 0.11 dB

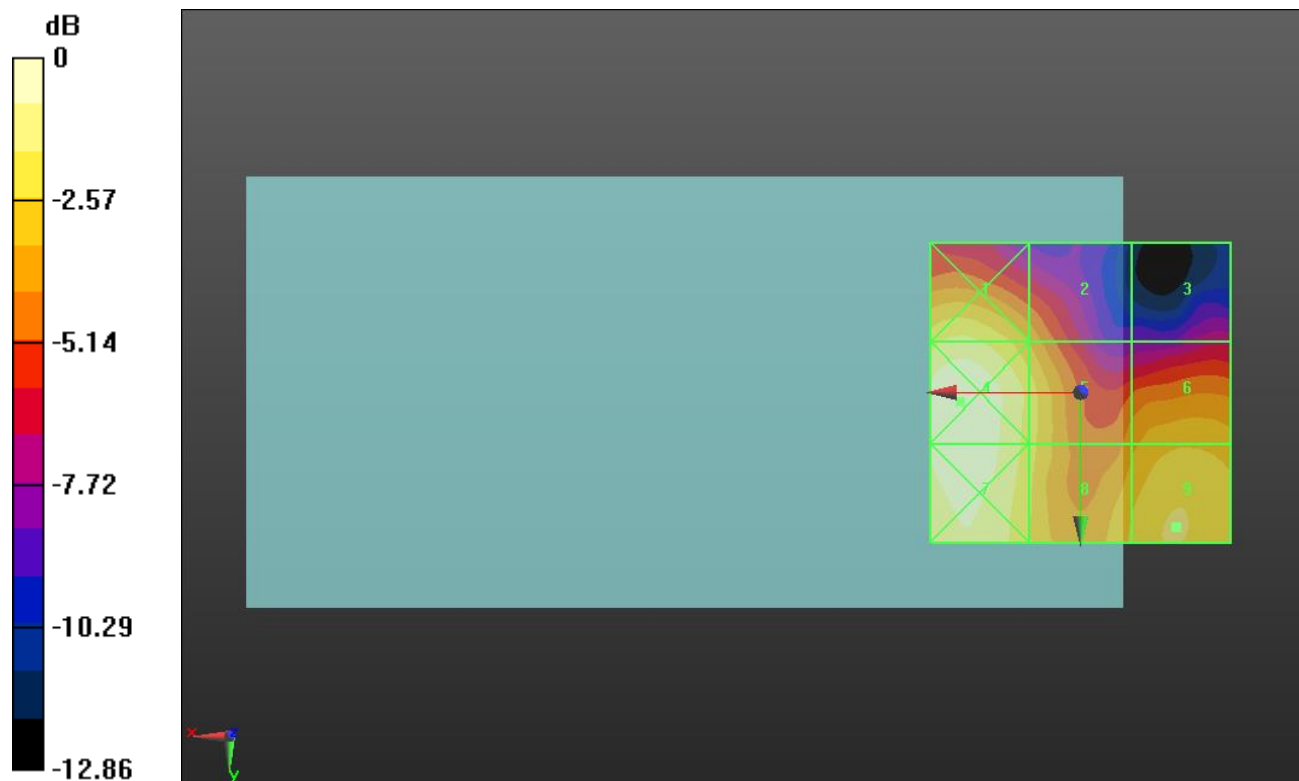
Applied MIF = -1.44 dB

RF audio interference level = 19.64 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>19.82 dBV/m</b> | Grid 2 <b>M4</b><br><b>17.77 dBV/m</b> | Grid 3 <b>M4</b><br><b>14.27 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>21.28 dBV/m</b> | Grid 5 <b>M4</b><br><b>19.26 dBV/m</b> | Grid 6 <b>M4</b><br><b>18.61 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>21.19 dBV/m</b> | Grid 8 <b>M4</b><br><b>19.11 dBV/m</b> | Grid 9 <b>M4</b><br><b>19.64 dBV/m</b> |



0 dB = 11.59 V/m = 21.28 dBV/m

## HAC-RF Emission ANT8

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 3560 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

## LTE Band 48 E-Field measurement/SC-FDMA 1RB 20 MHz 16QAM Ch. 55340/Hearing Aid Compatibility Test (101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 10.18 V/m; Power Drift = -0.05 dB

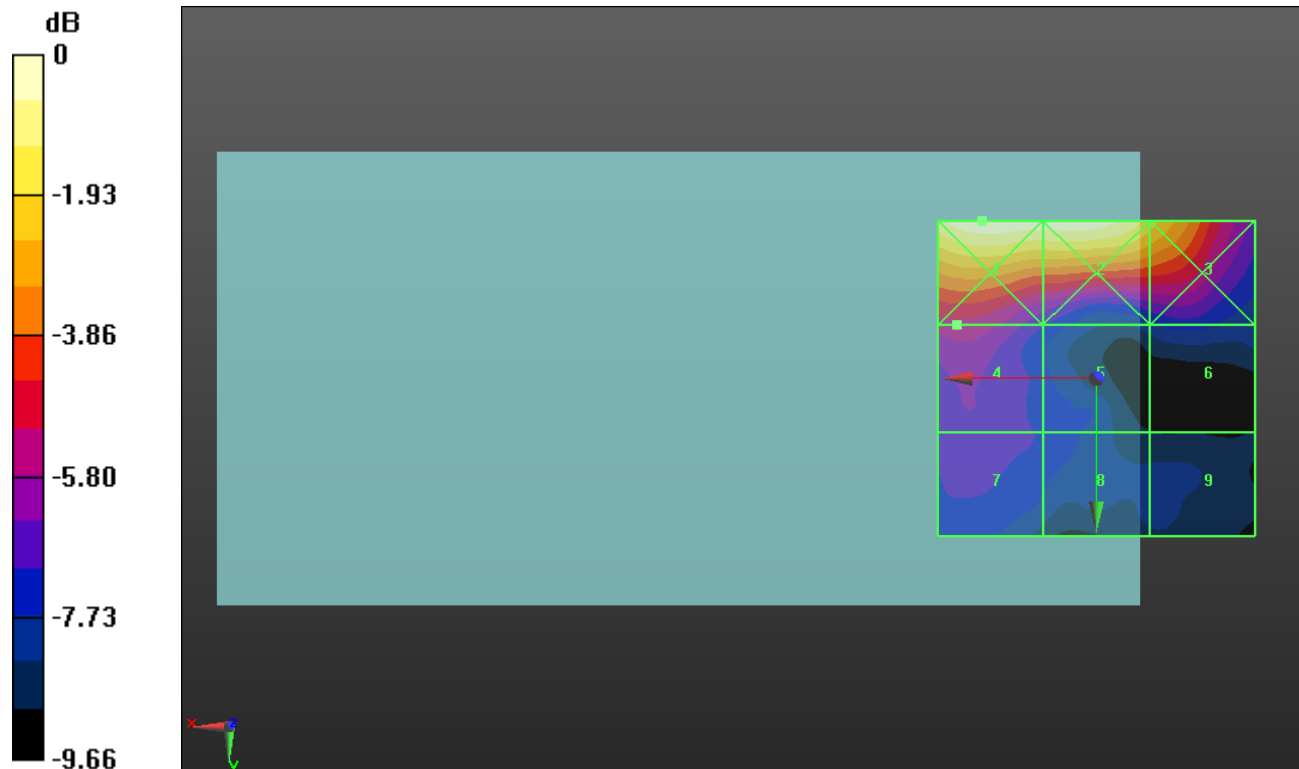
Applied MIF = -1.44 dB

RF audio interference level = 19.81 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>25.13 dBV/m</b> | Grid 2 <b>M4</b><br><b>24.97 dBV/m</b> | Grid 3 <b>M4</b><br><b>23.51 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>19.81 dBV/m</b> | Grid 5 <b>M4</b><br><b>18.15 dBV/m</b> | Grid 6 <b>M4</b><br><b>17.75 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>18.59 dBV/m</b> | Grid 8 <b>M4</b><br><b>17.95 dBV/m</b> | Grid 9 <b>M4</b><br><b>17.11 dBV/m</b> |



0 dB = 18.04 V/m = 25.12 dBV/m

## HAC-RF Emission ANT8

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 3603.3 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

## LTE Band 48 E-Field measurement/SC-FDMA 1RB 20 MHz 16QAM Ch. 55773/Hearing Aid Compatibility Test (101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 10.83 V/m; Power Drift = -0.03 dB

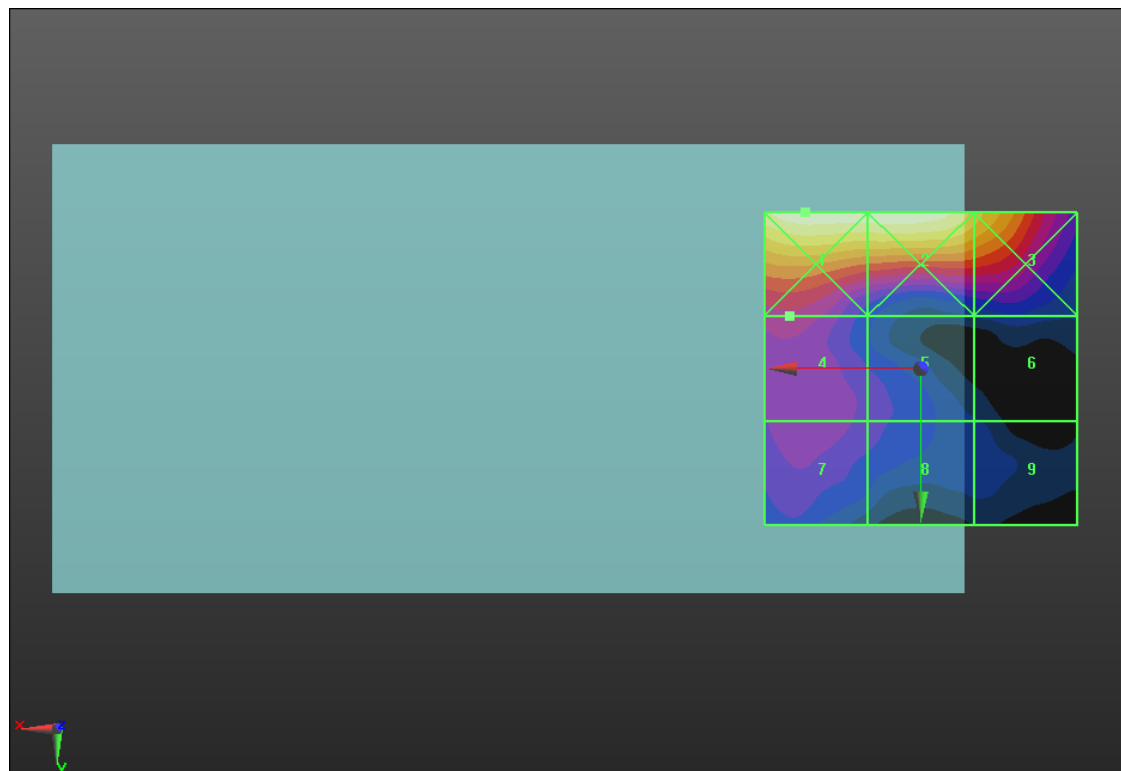
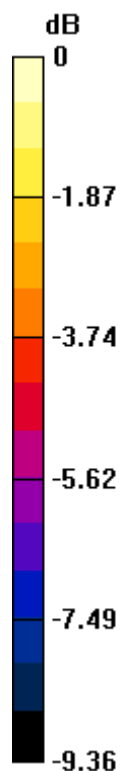
Applied MIF = -1.44 dB

RF audio interference level = 19.43 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>24.56 dBV/m</b> | Grid 2 <b>M4</b><br><b>24.49 dBV/m</b> | Grid 3 <b>M4</b><br><b>23.1 dBV/m</b>  |
| Grid 4 <b>M4</b><br><b>19.43 dBV/m</b> | Grid 5 <b>M4</b><br><b>18.16 dBV/m</b> | Grid 6 <b>M4</b><br><b>17.07 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>18.9 dBV/m</b>  | Grid 8 <b>M4</b><br><b>18.1 dBV/m</b>  | Grid 9 <b>M4</b><br><b>16.8 dBV/m</b>  |



0 dB = 16.90 V/m = 24.56 dBV/m

## HAC-RF Emission ANT8

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 3646.7 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

## LTE Band 48 E-Field measurement/SC-FDMA 1RB 20 MHz 16QAM Ch. 56207/Hearing Aid Compatibility Test (101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 13.30 V/m; Power Drift = -0.11 dB

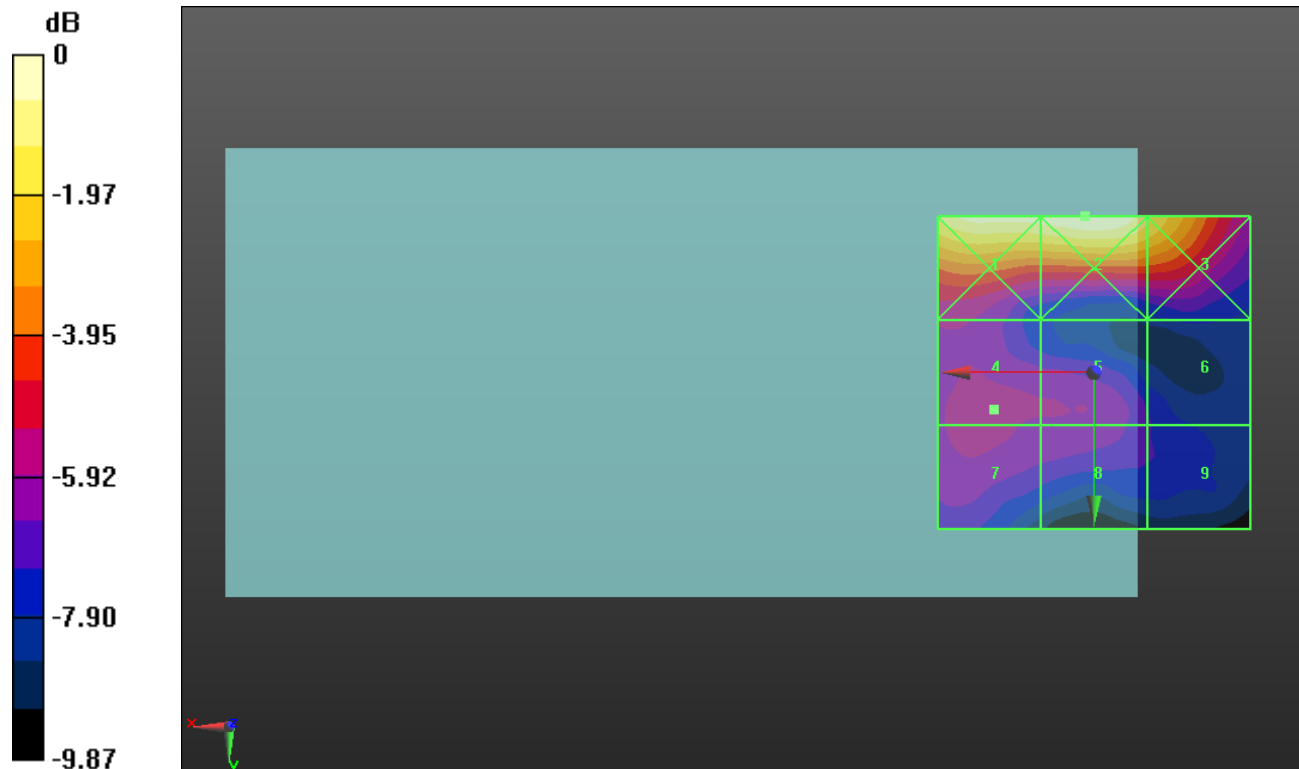
Applied MIF = -1.44 dB

RF audio interference level = 18.76 dBV/m

Emission category: **M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>24.12 dBV/m</b> | Grid 2 <b>M4</b><br><b>24.43 dBV/m</b> | Grid 3 <b>M4</b><br><b>23.32 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>18.76 dBV/m</b> | Grid 5 <b>M4</b><br><b>18.57 dBV/m</b> | Grid 6 <b>M4</b><br><b>17.31 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>18.73 dBV/m</b> | Grid 8 <b>M4</b><br><b>18.42 dBV/m</b> | Grid 9 <b>M4</b><br><b>17.31 dBV/m</b> |



0 dB = 16.65 V/m = 24.43 dBV/m

## HAC-RF Emission ANT8

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 3690 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

## LTE Band 48 E-Field measurement/SC-FDMA 1RB 20 MHz 16QAM Ch. 56640/Hearing Aid Compatibility Test (101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 15.41 V/m; Power Drift = -0.07 dB

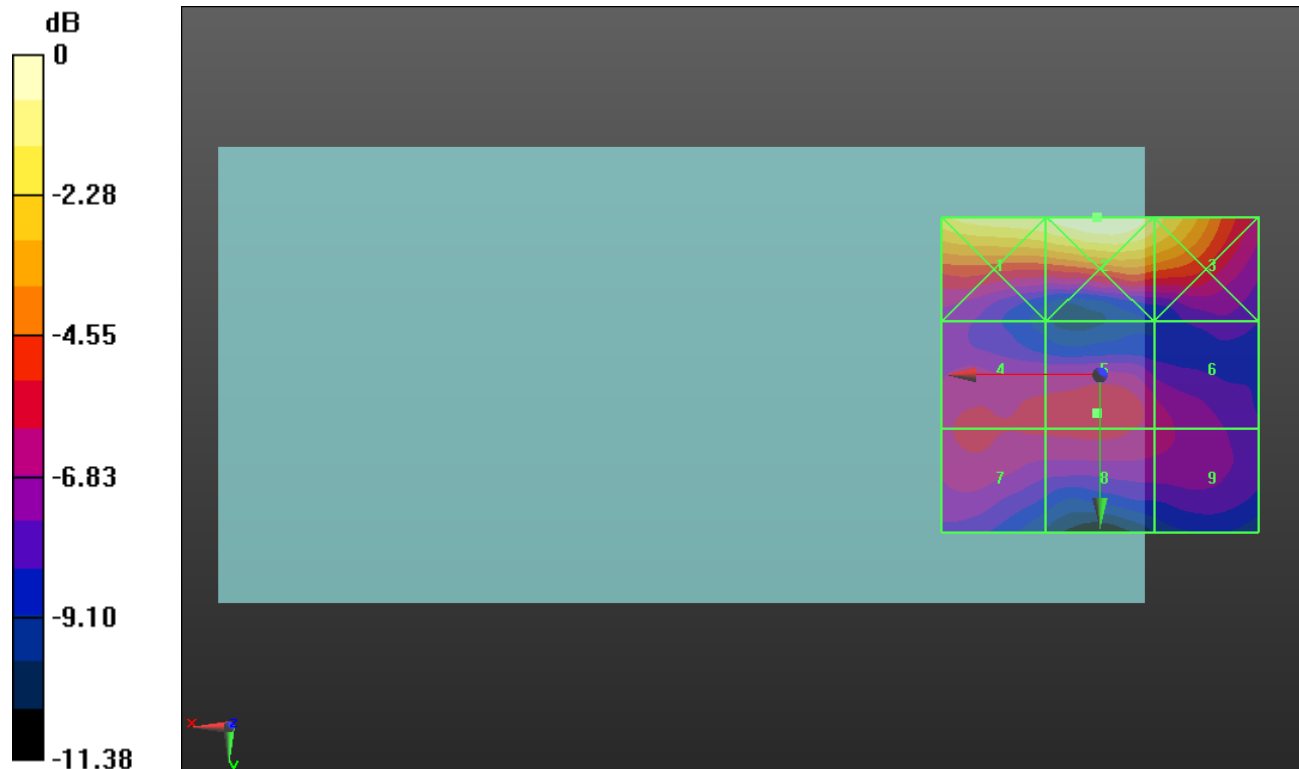
Applied MIF = -1.44 dB

RF audio interference level = 18.96 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>24.46 dBV/m</b> | Grid 3 <b>M4</b><br><b>23.39 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>18.69 dBV/m</b> | Grid 5 <b>M4</b><br><b>18.96 dBV/m</b> | Grid 6 <b>M4</b><br><b>18.08 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>18.57 dBV/m</b> | Grid 8 <b>M4</b><br><b>18.7 dBV/m</b>  | Grid 9 <b>M4</b><br><b>18.04 dBV/m</b> |



0 dB = 16.72 V/m = 24.46 dBV/m

## HAC-RF Emission ANT9

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 3560 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

## LTE Band 48 E-Field measurement/SC-FDMA 1RB 20 MHz 16QAM Ch. 55340/Hearing

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 17.56 V/m; Power Drift = 0.02 dB

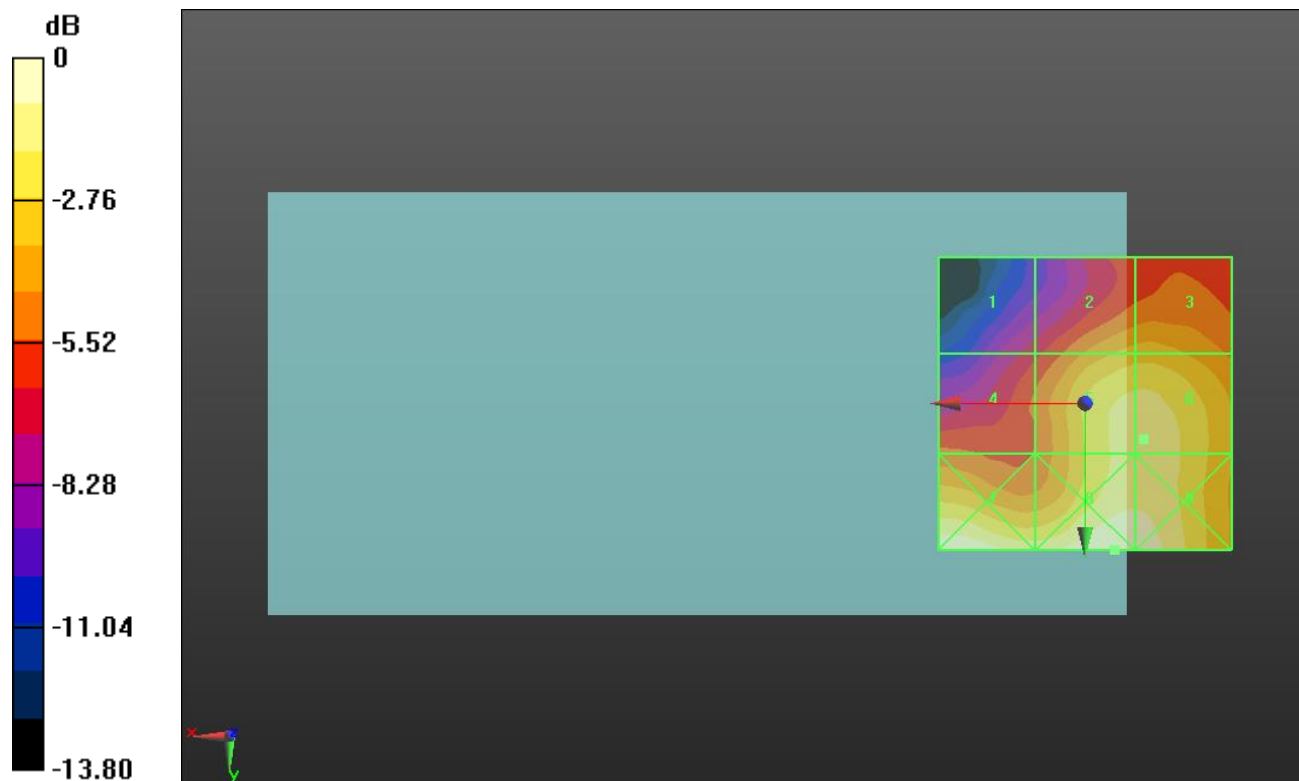
Applied MIF = -1.44 dB

RF audio interference level = 21.95 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>16.53 dBV/m</b> | Grid 2 <b>M4</b><br><b>19.97 dBV/m</b> | Grid 3 <b>M4</b><br><b>20.05 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>17.96 dBV/m</b> | Grid 5 <b>M4</b><br><b>21.9 dBV/m</b>  | Grid 6 <b>M4</b><br><b>21.95 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>23.2 dBV/m</b>  | Grid 8 <b>M4</b><br><b>23.2 dBV/m</b>  | Grid 9 <b>M4</b><br><b>23.1 dBV/m</b>  |



0 dB = 14.46 V/m = 23.20 dBV/m

## HAC-RF Emission ANT9

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 3603.3 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

## LTE Band 48 E-Field measurement/SC-FDMA 1RB 20 MHz 16QAM Ch. 55773/Hearing Aid Compatibility Test (101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 15.66 V/m; Power Drift = -0.05 dB

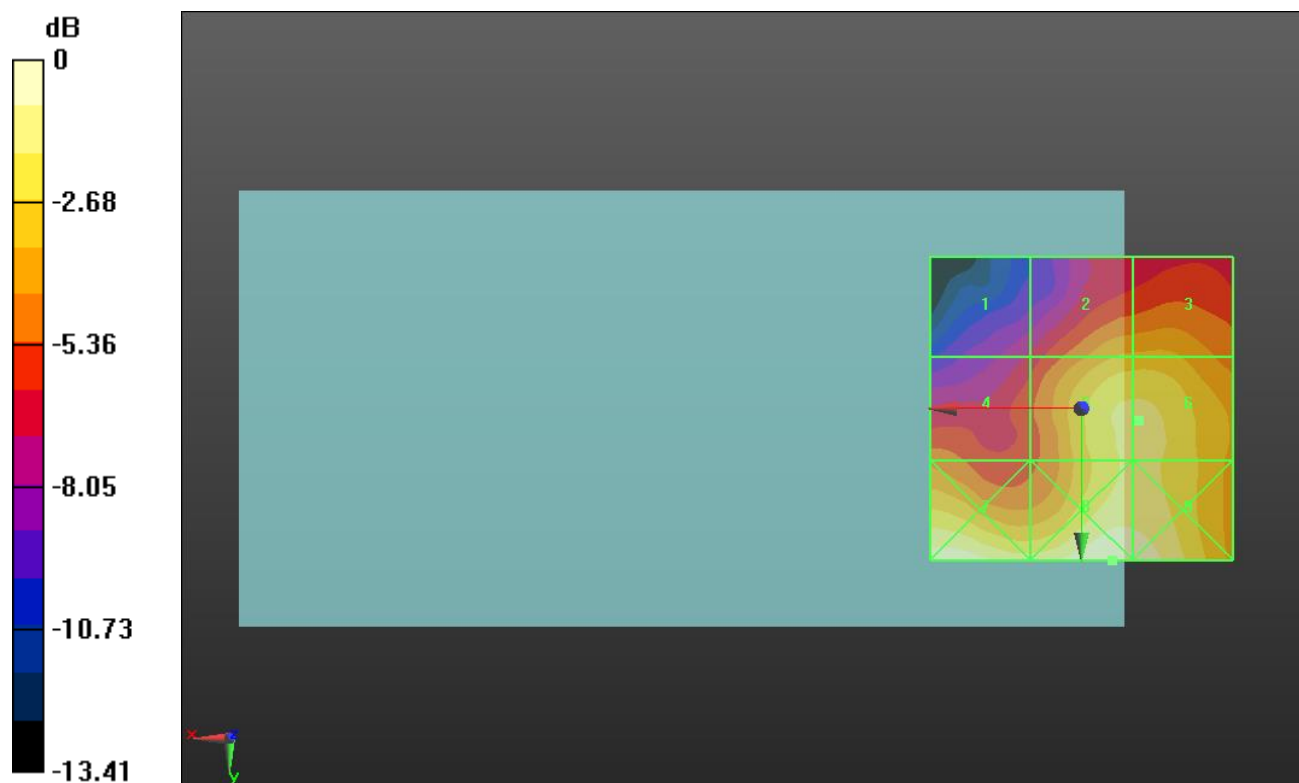
Applied MIF = -1.44 dB

RF audio interference level = 20.91 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>15.57 dBV/m</b> | Grid 2 <b>M4</b><br><b>19.11 dBV/m</b> | Grid 3 <b>M4</b><br><b>19.18 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>17.65 dBV/m</b> | Grid 5 <b>M4</b><br><b>20.9 dBV/m</b>  | Grid 6 <b>M4</b><br><b>20.91 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>22.25 dBV/m</b> | Grid 8 <b>M4</b><br><b>22.44 dBV/m</b> | Grid 9 <b>M4</b><br><b>22.27 dBV/m</b> |



0 dB = 13.25 V/m = 22.44 dBV/m

## HAC-RF Emission ANT9

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 3646.7 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

## LTE Band 48 E-Field measurement/SC-FDMA 1RB 20 MHz 16QAM Ch. 56207/Hearing Aid Compatibility Test (101x101x1):

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 13.91 V/m; Power Drift = -0.06 dB

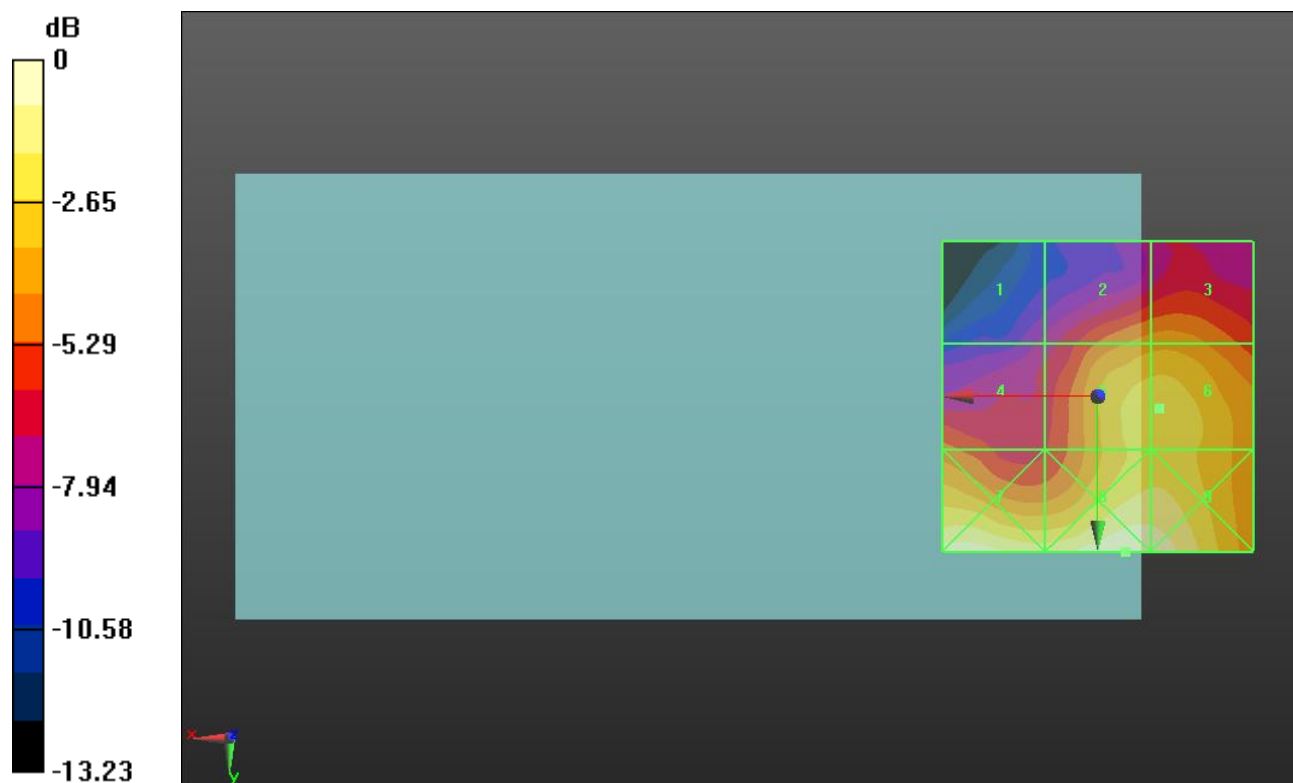
Applied MIF = -1.44 dB

RF audio interference level = 20.11 dBV/m

Emission category: **M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>14.6 dBV/m</b>  | Grid 2 <b>M4</b><br><b>18.27 dBV/m</b> | Grid 3 <b>M4</b><br><b>18.38 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>17.21 dBV/m</b> | Grid 5 <b>M4</b><br><b>20.07 dBV/m</b> | Grid 6 <b>M4</b><br><b>20.11 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>21.79 dBV/m</b> | Grid 8 <b>M4</b><br><b>22.15 dBV/m</b> | Grid 9 <b>M4</b><br><b>21.98 dBV/m</b> |



0 dB = 12.81 V/m = 22.15 dBV/m

## HAC-RF Emission ANT9

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 3690 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

## LTE Band 48 E-Field measurement/SC-FDMA 1RB 20 MHz 16QAM Ch. 56640/Hearing

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 11.87 V/m; Power Drift = -0.16 dB

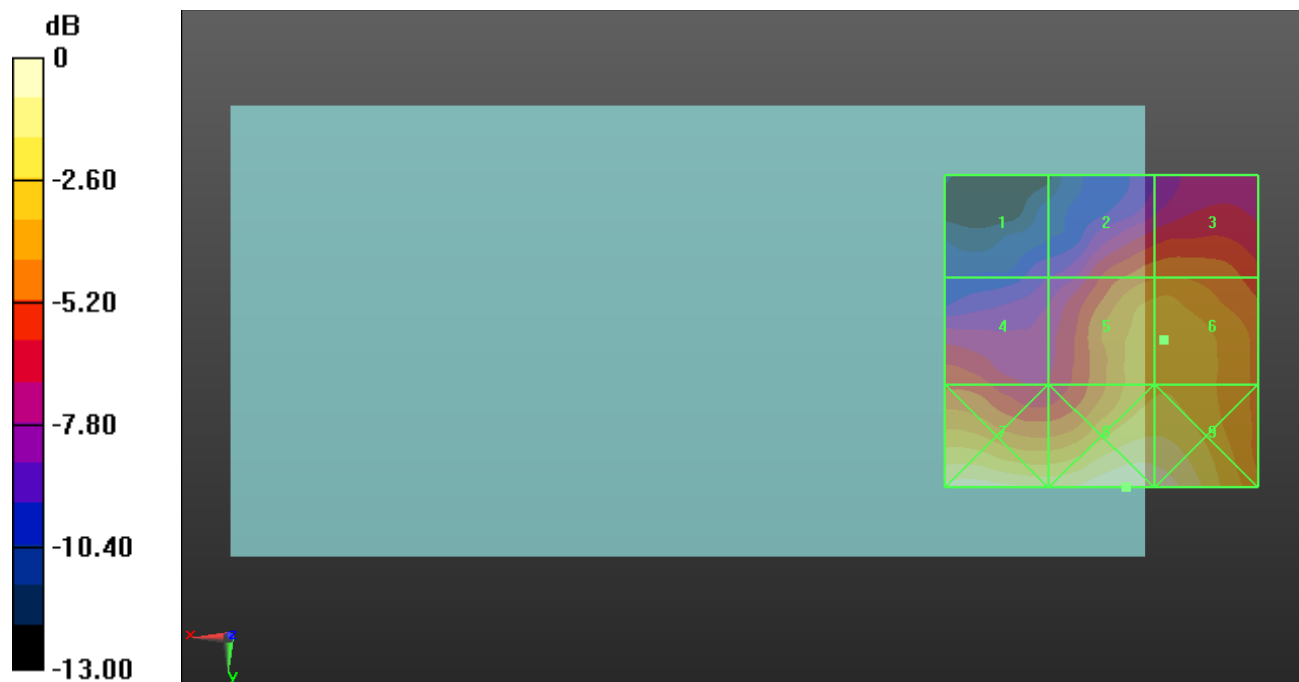
Applied MIF = -1.44 dB

RF audio interference level = 19.18 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>13.18 dBV/m</b> | Grid 2 <b>M4</b><br><b>17.42 dBV/m</b> | Grid 3 <b>M4</b><br><b>17.54 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>16.44 dBV/m</b> | Grid 5 <b>M4</b><br><b>19.1 dBV/m</b>  | Grid 6 <b>M4</b><br><b>19.18 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>21.45 dBV/m</b> | Grid 8 <b>M4</b><br><b>21.79 dBV/m</b> | Grid 9 <b>M4</b><br><b>21.59 dBV/m</b> |



0 dB = 12.29 V/m = 21.79 dBV/m