

## HAC-RF Emission

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: 3/22/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1352; Calibrated: 11/17/2020
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

## 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 = 35.70 V/m; Power Drift = -0.17 dB

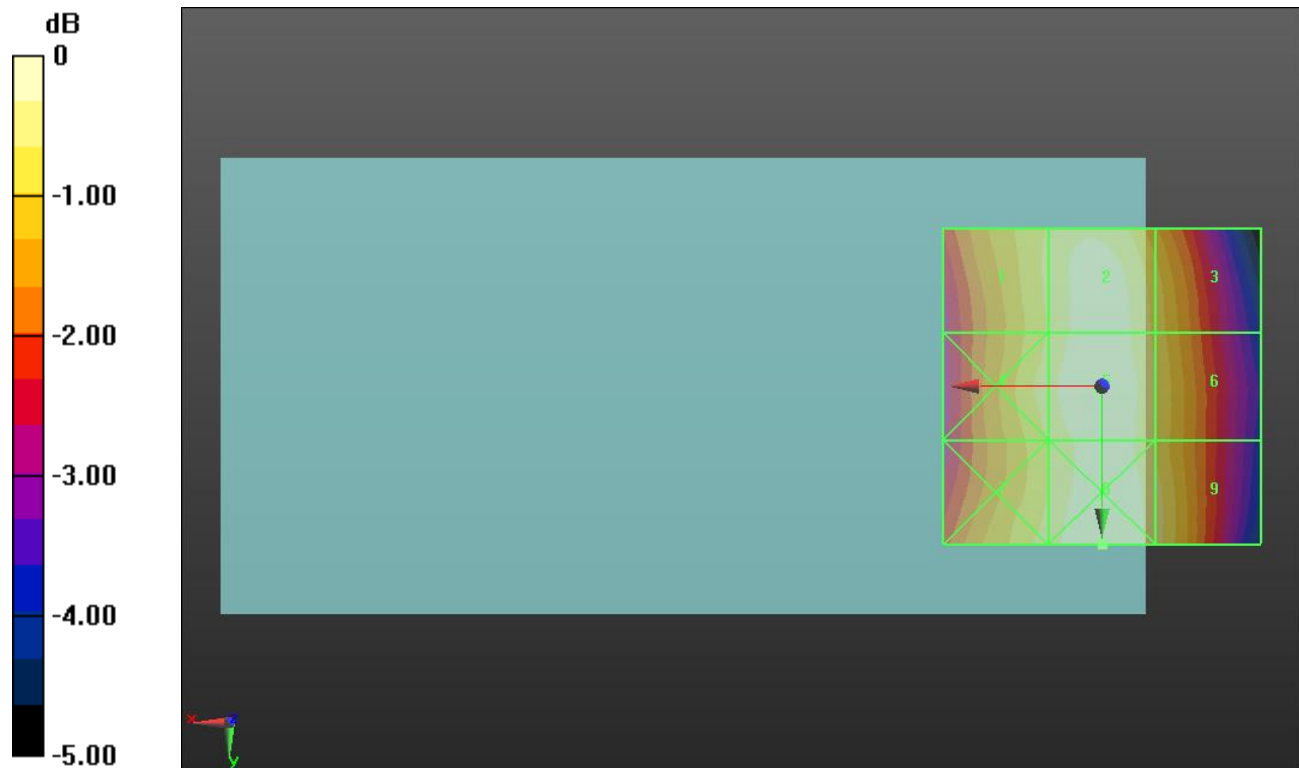
Applied MIF = 3.63 dB

RF audio interference level = 32.38 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>31.85 dBV/m</b> | Grid 2 <b>M4</b><br><b>32.31 dBV/m</b> | Grid 3 <b>M4</b><br><b>31.66 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>31.98 dBV/m</b> | Grid 5 <b>M4</b><br><b>32.38 dBV/m</b> | Grid 6 <b>M4</b><br><b>31.79 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>31.94 dBV/m</b> | Grid 8 <b>M4</b><br><b>32.43 dBV/m</b> | Grid 9 <b>M4</b><br><b>31.93 dBV/m</b> |



0 dB = 41.82 V/m = 32.43 dBV/m

## HAC-RF Emission

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: 3/22/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1352; Calibrated: 11/17/2020
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

## 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 = 34.96 V/m; Power Drift = -0.03 dB

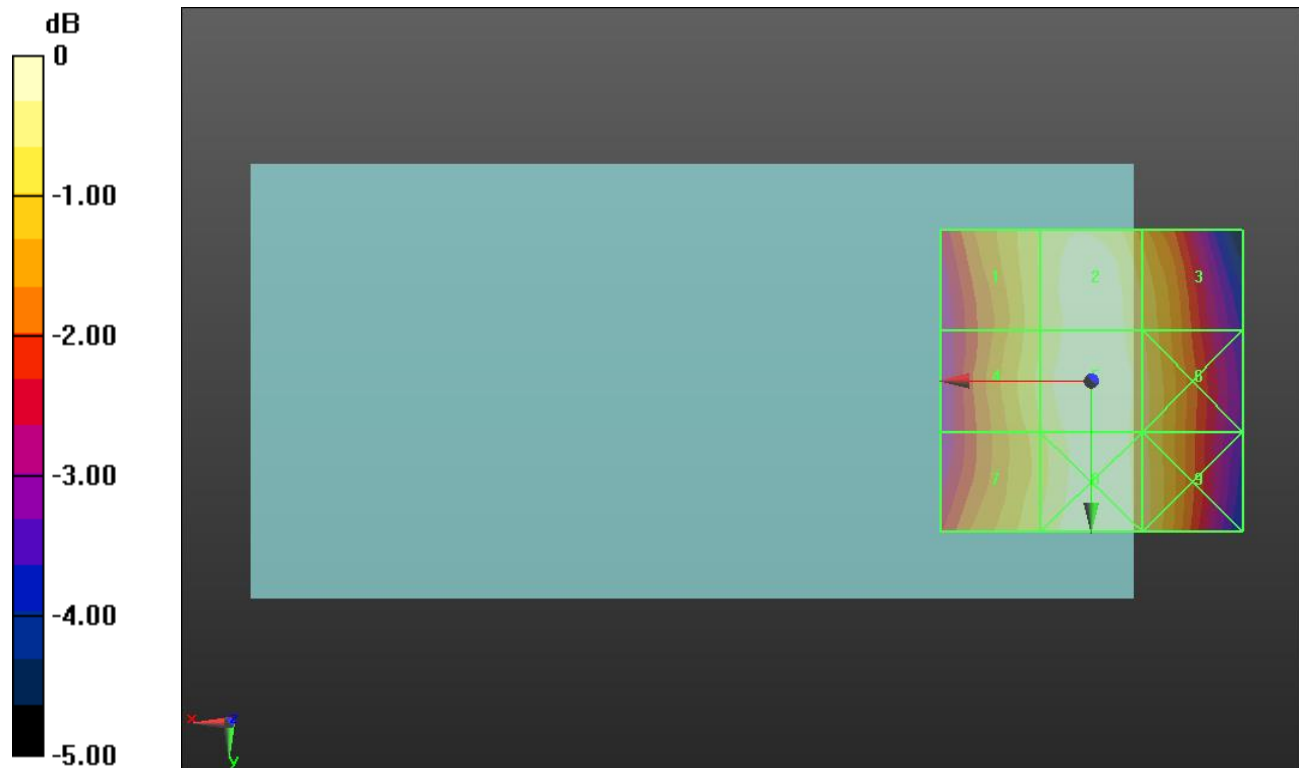
Applied MIF = 3.63 dB

RF audio interference level = 32.38 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>31.75 dBV/m</b> | Grid 2 <b>M4</b><br><b>32.27 dBV/m</b> | Grid 3 <b>M4</b><br><b>31.75 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>31.82 dBV/m</b> | Grid 5 <b>M4</b><br><b>32.38 dBV/m</b> | Grid 6 <b>M4</b><br><b>31.87 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>31.74 dBV/m</b> | Grid 8 <b>M4</b><br><b>32.33 dBV/m</b> | Grid 9 <b>M4</b><br><b>31.91 dBV/m</b> |



0 dB = 41.61 V/m = 32.38 dBV/m

## HAC-RF Emission

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: 3/22/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1352; Calibrated: 11/17/2020
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

## 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 = 35.06 V/m; Power Drift = -0.04 dB

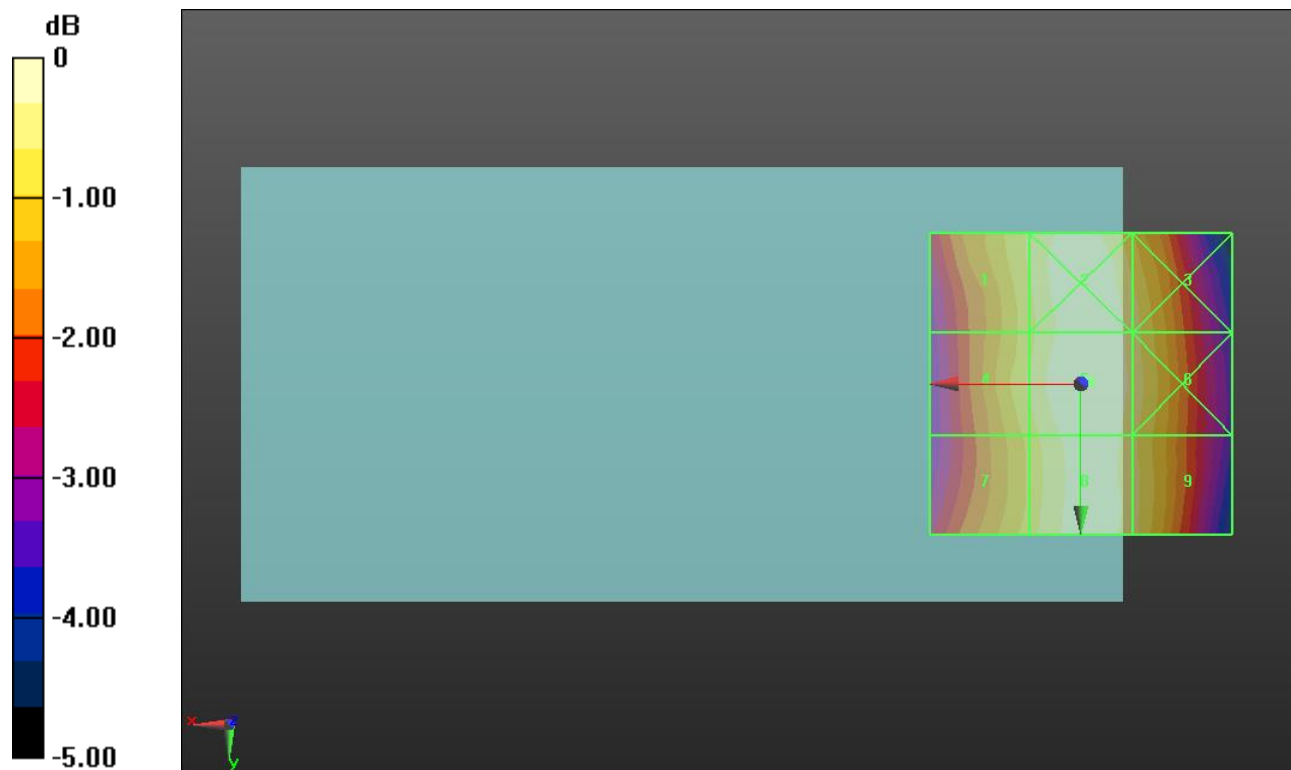
Applied MIF = 3.63 dB

RF audio interference level = 32.38 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>31.77 dBV/m</b> | Grid 2 <b>M4</b><br><b>32.32 dBV/m</b> | Grid 3 <b>M4</b><br><b>31.91 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>31.77 dBV/m</b> | Grid 5 <b>M4</b><br><b>32.38 dBV/m</b> | Grid 6 <b>M4</b><br><b>31.97 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>31.57 dBV/m</b> | Grid 8 <b>M4</b><br><b>32.24 dBV/m</b> | Grid 9 <b>M4</b><br><b>31.88 dBV/m</b> |



0 dB = 41.58 V/m = 32.38 dBV/m

## HAC-RF Emission

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: 3/22/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1352; Calibrated: 11/17/2020
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

## 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 = 13.82 V/m; Power Drift = 0.20 dB

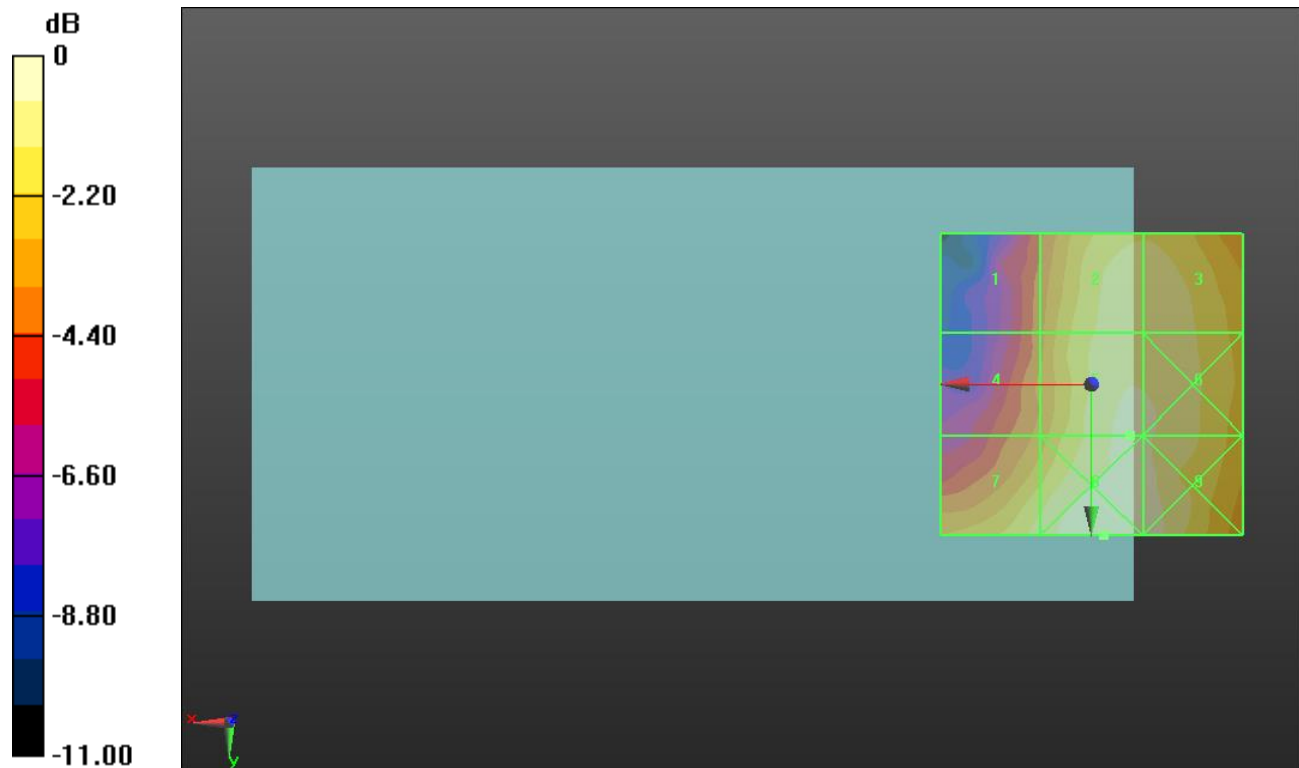
Applied MIF = 3.63 dB

RF audio interference level = 25.72 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>22.41 dBV/m</b> | Grid 2 <b>M4</b><br><b>25.54 dBV/m</b> | Grid 3 <b>M4</b><br><b>25.55 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>22.98 dBV/m</b> | Grid 5 <b>M4</b><br><b>25.72 dBV/m</b> | Grid 6 <b>M4</b><br><b>25.67 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>25.18 dBV/m</b> | Grid 8 <b>M4</b><br><b>26.3 dBV/m</b>  | Grid 9 <b>M4</b><br><b>26.07 dBV/m</b> |



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

## HAC-RF Emission

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: 3/22/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1352; Calibrated: 11/17/2020
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

## 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 = 13.24 V/m; Power Drift = -0.06 dB

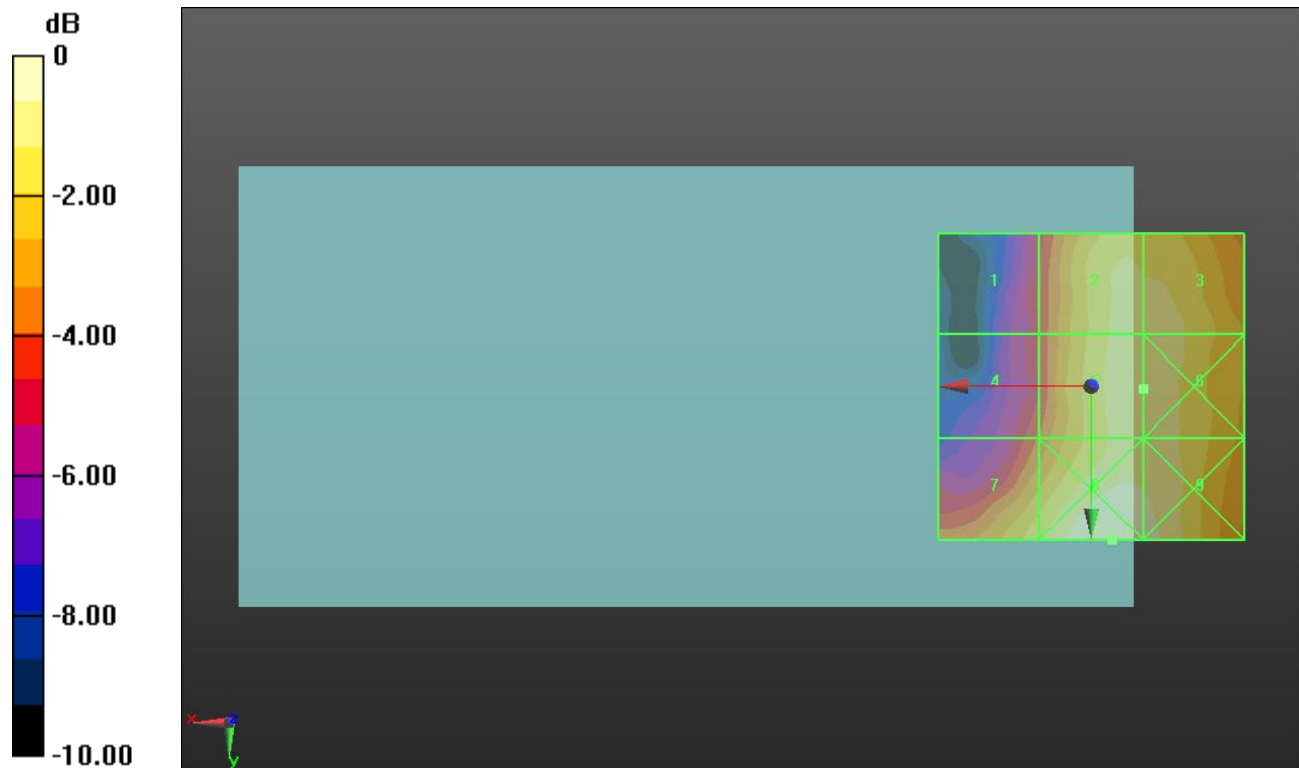
Applied MIF = 3.63 dB

RF audio interference level = 25.26 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>21.57 dBV/m</b> | Grid 2 <b>M4</b><br><b>25.04 dBV/m</b> | Grid 3 <b>M4</b><br><b>25.02 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>22.15 dBV/m</b> | Grid 5 <b>M4</b><br><b>25.26 dBV/m</b> | Grid 6 <b>M4</b><br><b>25.27 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>24.57 dBV/m</b> | Grid 8 <b>M4</b><br><b>26.04 dBV/m</b> | Grid 9 <b>M4</b><br><b>25.76 dBV/m</b> |



0 dB = 20.04 V/m = 26.04 dBV/m

## HAC-RF Emission

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: 3/22/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1352; Calibrated: 11/17/2020
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

## 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 = 13.19 V/m; Power Drift = -0.13 dB

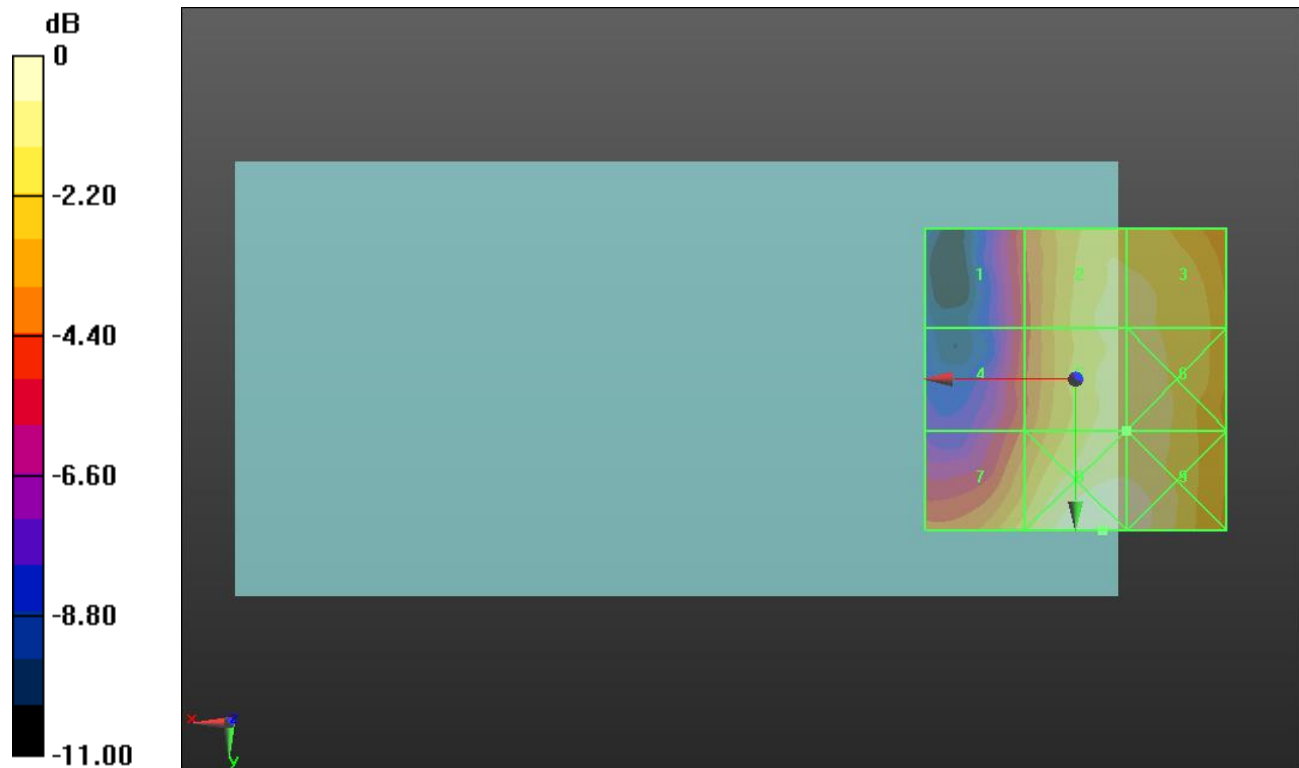
Applied MIF = 3.63 dB

RF audio interference level = 25.41 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                 |                                 |                                 |
|---------------------------------|---------------------------------|---------------------------------|
| Grid 1 <b>M4</b><br>21.93 dBV/m | Grid 2 <b>M4</b><br>25.26 dBV/m | Grid 3 <b>M4</b><br>25.27 dBV/m |
| Grid 4 <b>M4</b><br>22.22 dBV/m | Grid 5 <b>M4</b><br>25.41 dBV/m | Grid 6 <b>M4</b><br>25.42 dBV/m |
| Grid 7 <b>M4</b><br>24.64 dBV/m | Grid 8 <b>M4</b><br>26.4 dBV/m  | Grid 9 <b>M4</b><br>26.19 dBV/m |



0 dB = 20.89 V/m = 26.40 dBV/m

## HAC-RF Emission

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: 3/22/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1352; Calibrated: 11/17/2020
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

## 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 = 13.63 V/m; Power Drift = -0.03 dB

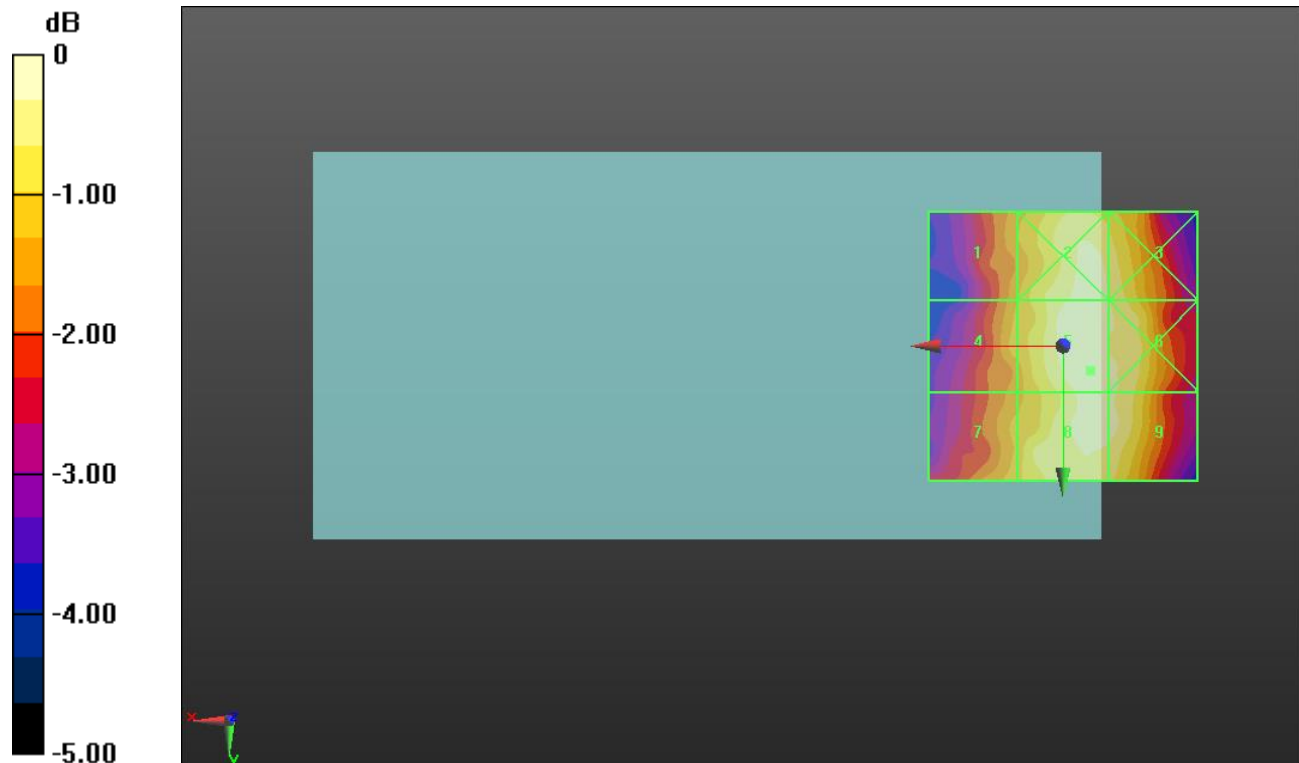
Applied MIF = 3.26 dB

RF audio interference level = 23.92 dBV/m

Emission category: **M4**

MIF scaled E-field

|                                 |                                 |                                 |
|---------------------------------|---------------------------------|---------------------------------|
| Grid 1 <b>M4</b><br>22.58 dBV/m | Grid 2 <b>M4</b><br>23.8 dBV/m  | Grid 3 <b>M4</b><br>23.6 dBV/m  |
| Grid 4 <b>M4</b><br>22.81 dBV/m | Grid 5 <b>M4</b><br>23.92 dBV/m | Grid 6 <b>M4</b><br>23.72 dBV/m |
| Grid 7 <b>M4</b><br>22.85 dBV/m | Grid 8 <b>M4</b><br>23.78 dBV/m | Grid 9 <b>M4</b><br>23.74 dBV/m |



0 dB = 15.70 V/m = 23.92 dBV/m

## HAC-RF Emission

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: 3/22/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1352; Calibrated: 11/17/2020
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

## 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 = 12.22 V/m; Power Drift = 0.29 dB

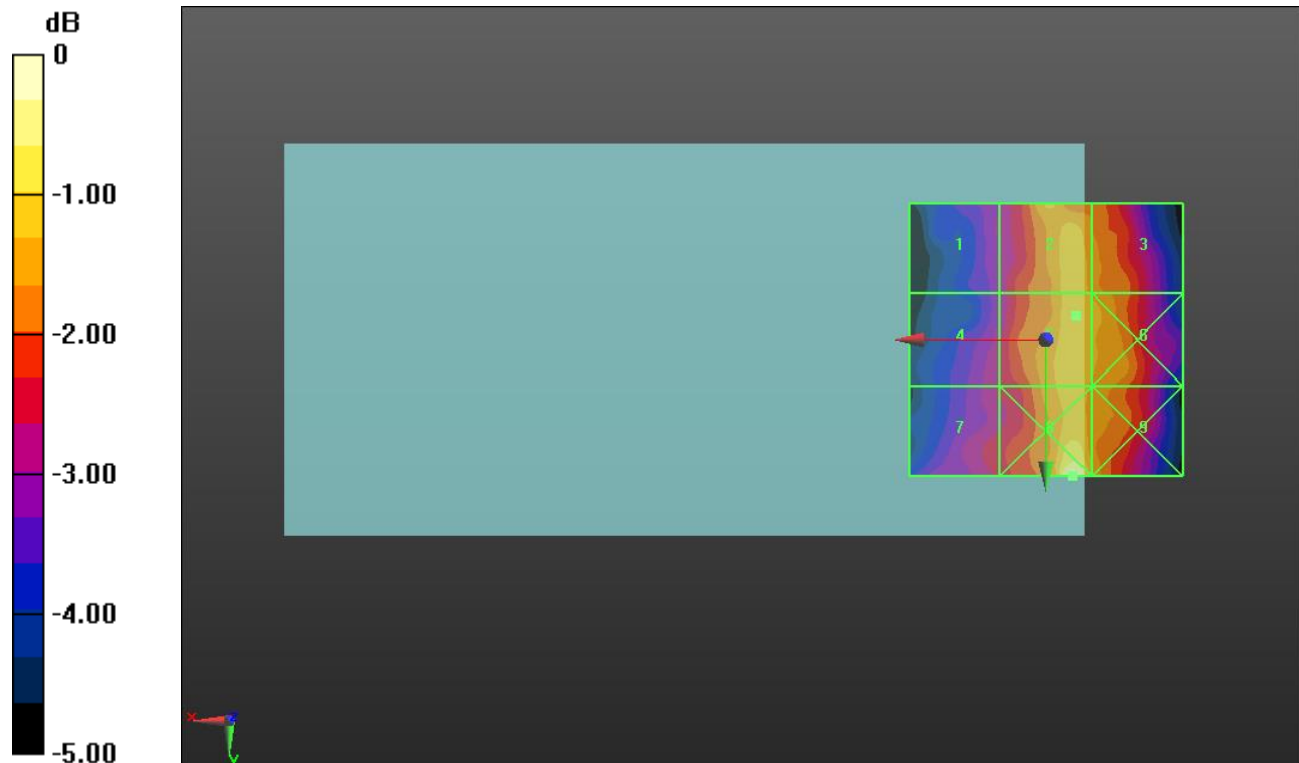
Applied MIF = 3.26 dB

RF audio interference level = 23.36 dBV/m

Emission category: **M4**

MIF scaled E-field

|                                 |                                 |                                 |
|---------------------------------|---------------------------------|---------------------------------|
| Grid 1 <b>M4</b><br>21.47 dBV/m | Grid 2 <b>M4</b><br>23.32 dBV/m | Grid 3 <b>M4</b><br>22.98 dBV/m |
| Grid 4 <b>M4</b><br>21.77 dBV/m | Grid 5 <b>M4</b><br>23.36 dBV/m | Grid 6 <b>M4</b><br>23.2 dBV/m  |
| Grid 7 <b>M4</b><br>22 dBV/m    | Grid 8 <b>M4</b><br>24.39 dBV/m | Grid 9 <b>M4</b><br>23.17 dBV/m |



0 dB = 16.58 V/m = 24.39 dBV/m

## HAC-RF Emission

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: 3/22/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1352; Calibrated: 11/17/2020
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

## 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 = 12.32 V/m; Power Drift = -0.13 dB

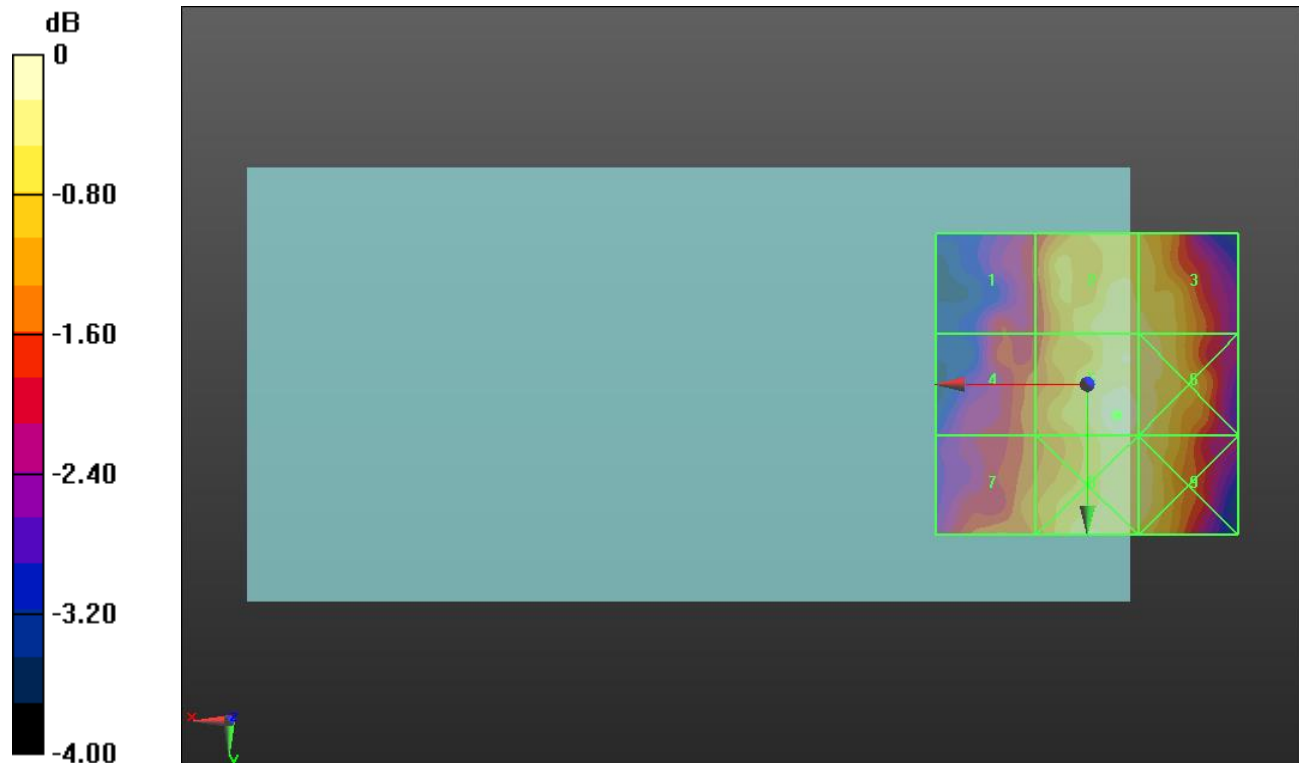
Applied MIF = 3.26 dB

RF audio interference level = 22.84 dBV/m

Emission category: **M4**

MIF scaled E-field

|                                 |                                 |                                 |
|---------------------------------|---------------------------------|---------------------------------|
| Grid 1 <b>M4</b><br>21.15 dBV/m | Grid 2 <b>M4</b><br>22.5 dBV/m  | Grid 3 <b>M4</b><br>22.44 dBV/m |
| Grid 4 <b>M4</b><br>21.55 dBV/m | Grid 5 <b>M4</b><br>22.84 dBV/m | Grid 6 <b>M4</b><br>22.57 dBV/m |
| Grid 7 <b>M4</b><br>21.76 dBV/m | Grid 8 <b>M4</b><br>22.65 dBV/m | Grid 9 <b>M4</b><br>22.52 dBV/m |



0 dB = 13.87 V/m = 22.84 dBV/m

## HAC-RF Emission

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: 3/22/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1352; Calibrated: 11/17/2020
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

## 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 = 2.483 V/m; Power Drift = 3.15 dB

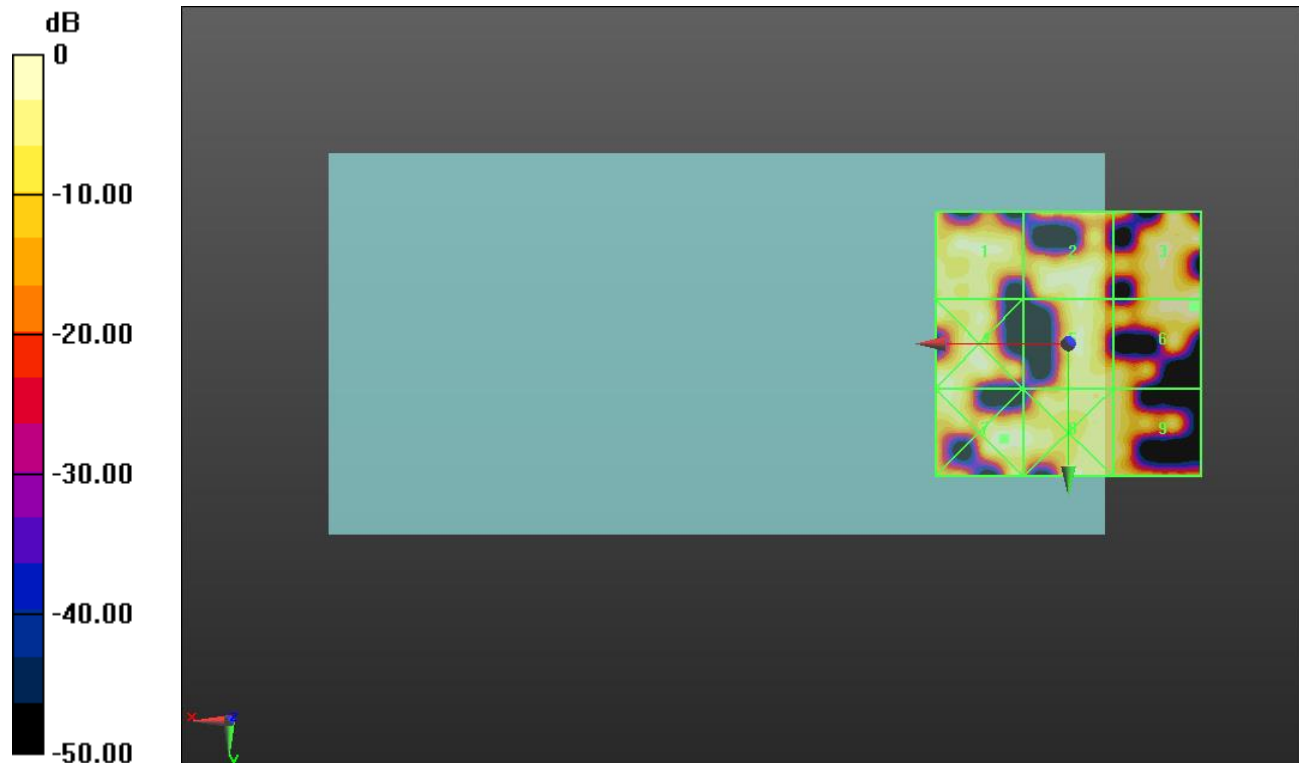
Applied MIF = 3.26 dB

RF audio interference level = 18.15 dBV/m

Emission category: **M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>16.71 dBV/m</b> | Grid 2 <b>M4</b><br><b>17.56 dBV/m</b> | Grid 3 <b>M4</b><br><b>16.73 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>16.78 dBV/m</b> | Grid 5 <b>M4</b><br><b>16.62 dBV/m</b> | Grid 6 <b>M4</b><br><b>18.15 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>18.25 dBV/m</b> | Grid 8 <b>M4</b><br><b>17.28 dBV/m</b> | Grid 9 <b>M4</b><br><b>14.78 dBV/m</b> |



0 dB = 8.172 V/m = 18.25 dBV/m

## HAC-RF Emission

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: 3/22/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1352; Calibrated: 11/17/2020
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

## 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 = 2.507 V/m; Power Drift = 3.02 dB

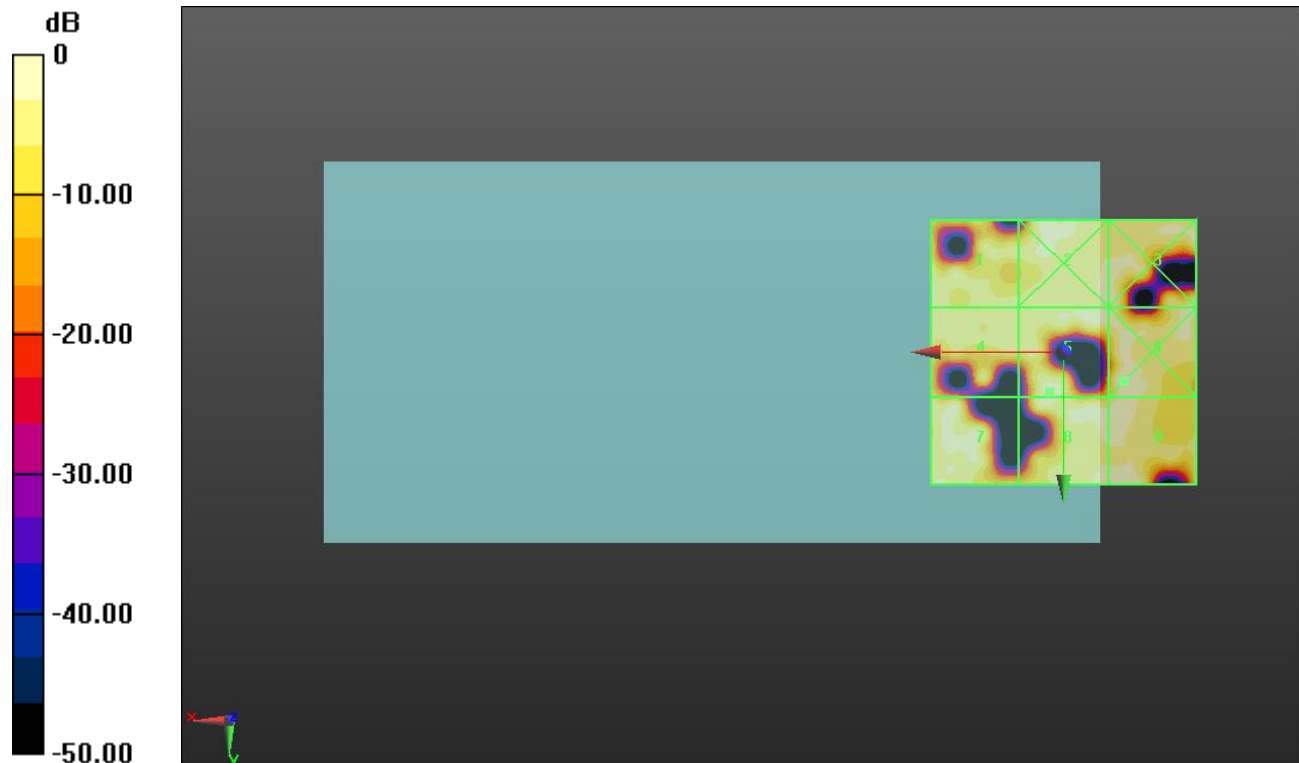
Applied MIF = 3.26 dB

RF audio interference level = 16.47 dBV/m

Emission category: **M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>15.02 dBV/m</b> | Grid 2 <b>M4</b><br><b>15.65 dBV/m</b> | Grid 3 <b>M4</b><br><b>16.48 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>13.75 dBV/m</b> | Grid 5 <b>M4</b><br><b>16.47 dBV/m</b> | Grid 6 <b>M4</b><br><b>16.58 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>16.28 dBV/m</b> | Grid 8 <b>M4</b><br><b>16.13 dBV/m</b> | Grid 9 <b>M4</b><br><b>15.41 dBV/m</b> |



0 dB = 6.746 V/m = 16.58 dBV/m

## HAC-RF Emission

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: 3/22/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1352; Calibrated: 11/17/2020
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

## 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 = 2.672 V/m; Power Drift = -0.41 dB

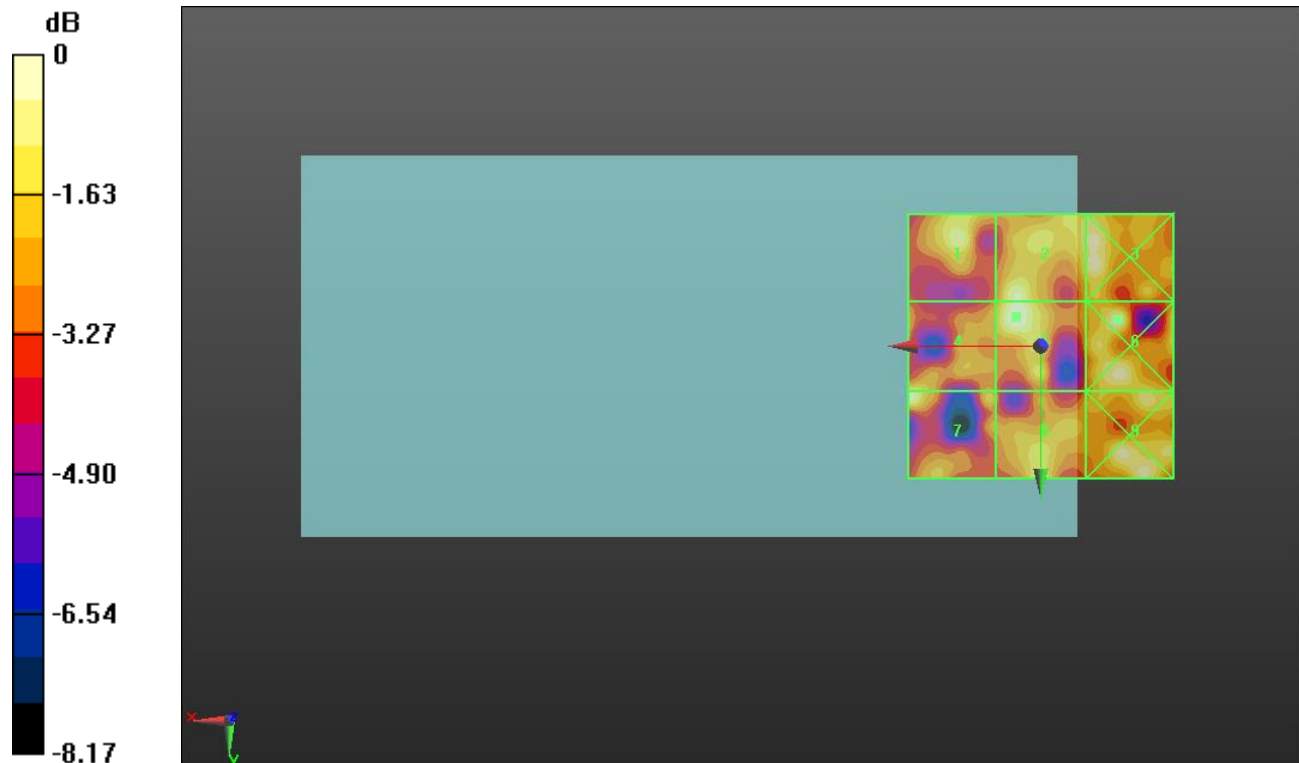
Applied MIF = 3.26 dB

RF audio interference level = 15.56 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>14.95 dBV/m</b> | Grid 2 <b>M4</b><br><b>15.13 dBV/m</b> | Grid 3 <b>M4</b><br><b>15.37 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>14.87 dBV/m</b> | Grid 5 <b>M4</b><br><b>15.56 dBV/m</b> | Grid 6 <b>M4</b><br><b>15.56 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>15.24 dBV/m</b> | Grid 8 <b>M4</b><br><b>14.48 dBV/m</b> | Grid 9 <b>M4</b><br><b>15.23 dBV/m</b> |



0 dB = 5.999 V/m = 15.56 dBV/m

## HAC-RF Emission

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: 3/22/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1352; Calibrated: 11/17/2020
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

## 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 = 13.41 V/m; Power Drift = 0.02 dB

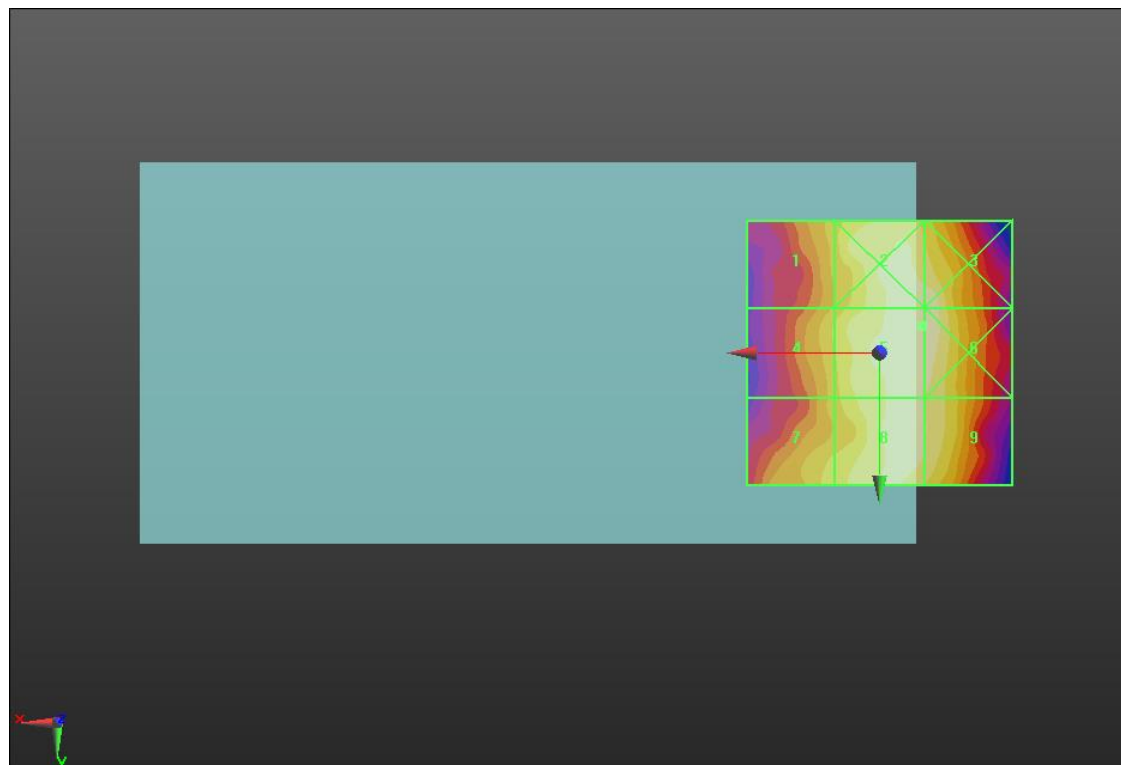
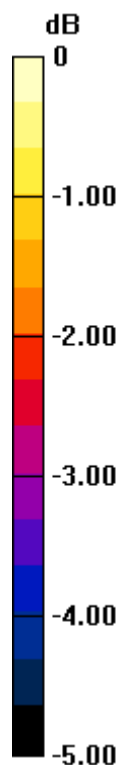
Applied MIF = 3.26 dB

RF audio interference level = 23.65 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                 |                                 |                                 |
|---------------------------------|---------------------------------|---------------------------------|
| Grid 1 <b>M4</b><br>22.54 dBV/m | Grid 2 <b>M4</b><br>23.59 dBV/m | Grid 3 <b>M4</b><br>23.59 dBV/m |
| Grid 4 <b>M4</b><br>22.71 dBV/m | Grid 5 <b>M4</b><br>23.65 dBV/m | Grid 6 <b>M4</b><br>23.64 dBV/m |
| Grid 7 <b>M4</b><br>22.85 dBV/m | Grid 8 <b>M4</b><br>23.49 dBV/m | Grid 9 <b>M4</b><br>23.35 dBV/m |



0 dB = 15.23 V/m = 23.65 dBV/m

## HAC-RF Emission

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: 3/22/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1352; Calibrated: 11/17/2020
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

## 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 = 13.78 V/m; Power Drift = 0.01 dB

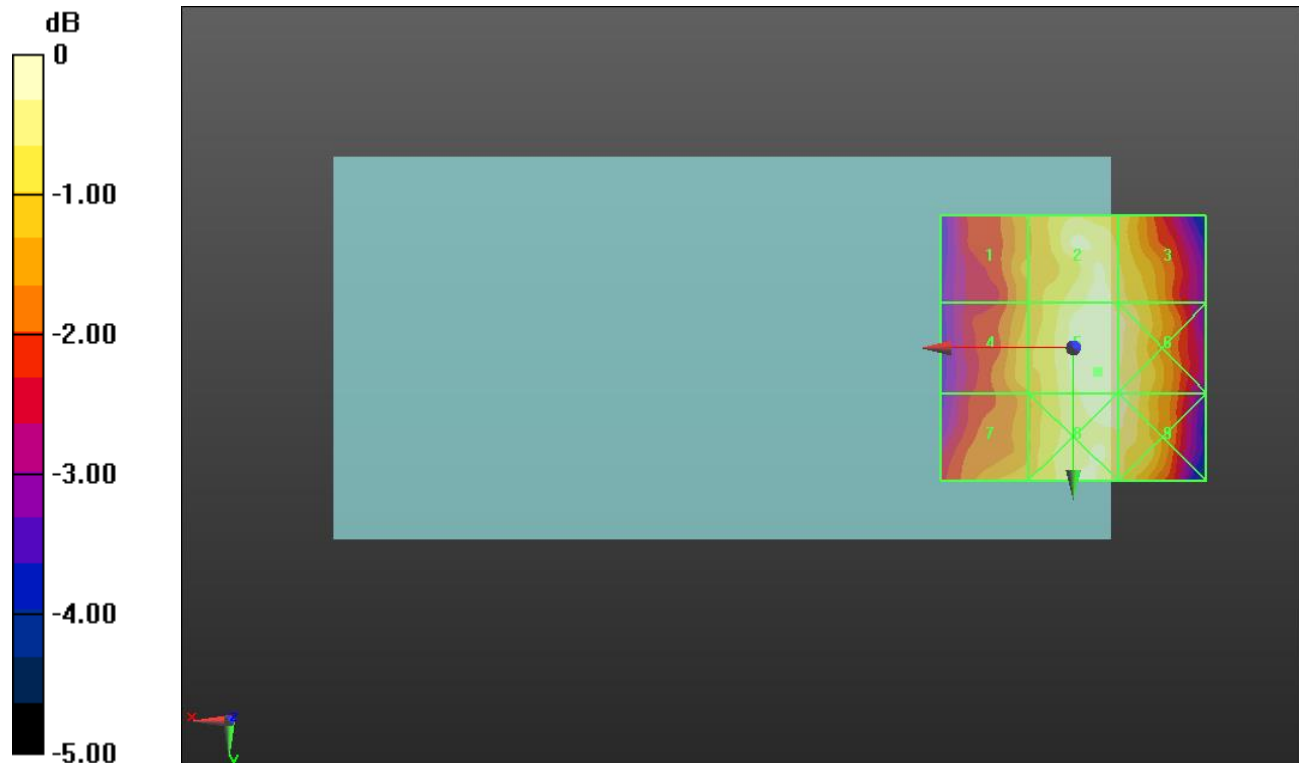
Applied MIF = 3.26 dB

RF audio interference level = 24.15 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>22.91 dBV/m</b> | Grid 2 <b>M4</b><br><b>23.96 dBV/m</b> | Grid 3 <b>M4</b><br><b>23.69 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>23.12 dBV/m</b> | Grid 5 <b>M4</b><br><b>24.15 dBV/m</b> | Grid 6 <b>M4</b><br><b>23.97 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>23.19 dBV/m</b> | Grid 8 <b>M4</b><br><b>24.07 dBV/m</b> | Grid 9 <b>M4</b><br><b>23.98 dBV/m</b> |



0 dB = 16.12 V/m = 24.15 dBV/m

## HAC-RF Emission

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: 3/22/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1352; Calibrated: 11/17/2020
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

## 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 = 13.75 V/m; Power Drift = -0.01 dB

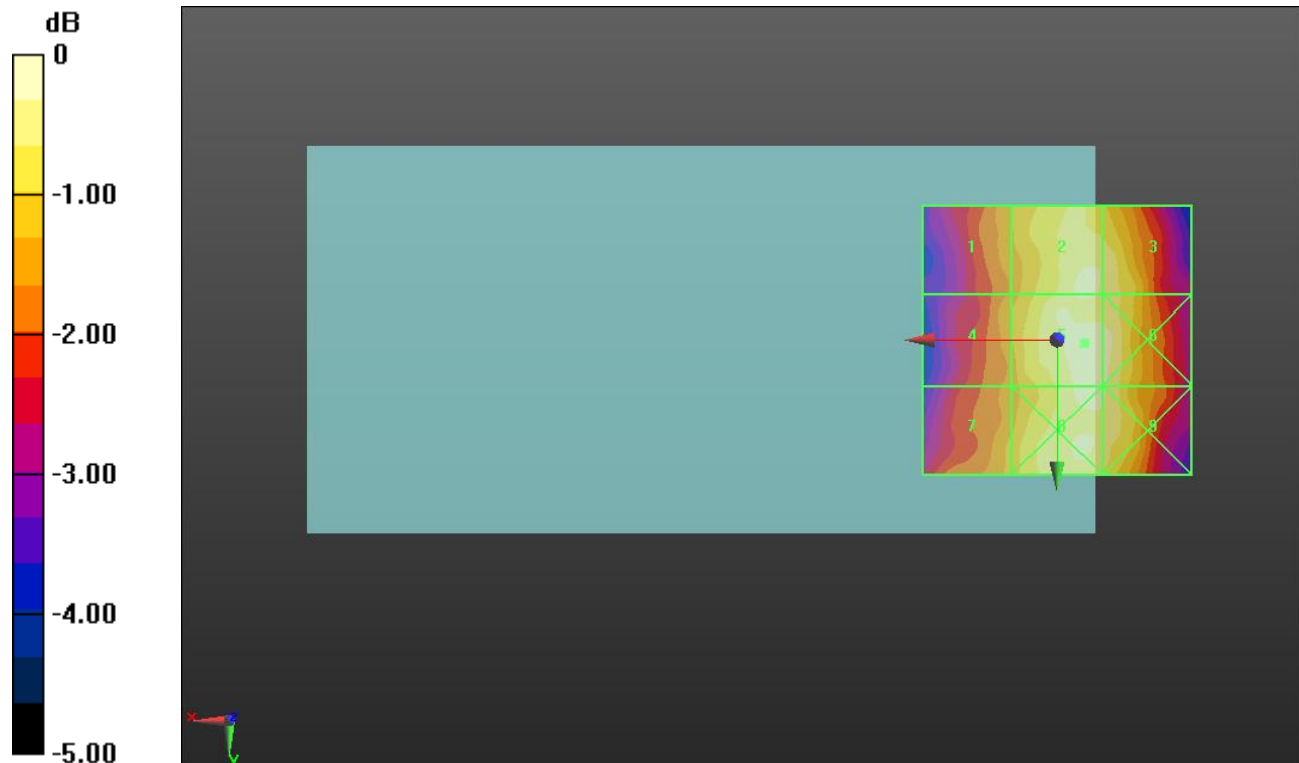
Applied MIF = 3.26 dB

RF audio interference level = 24.32 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>22.97 dBV/m</b> | Grid 2 <b>M4</b><br><b>24.09 dBV/m</b> | Grid 3 <b>M4</b><br><b>23.95 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>23.02 dBV/m</b> | Grid 5 <b>M4</b><br><b>24.32 dBV/m</b> | Grid 6 <b>M4</b><br><b>24.16 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>23.12 dBV/m</b> | Grid 8 <b>M4</b><br><b>24.12 dBV/m</b> | Grid 9 <b>M4</b><br><b>24.03 dBV/m</b> |



0 dB = 16.43 V/m = 24.31 dBV/m

## HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1) @ 2506 MHz; Calibrated: 7/22/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/10/2020
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

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

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 11.19 V/m; Power Drift = -0.03 dB

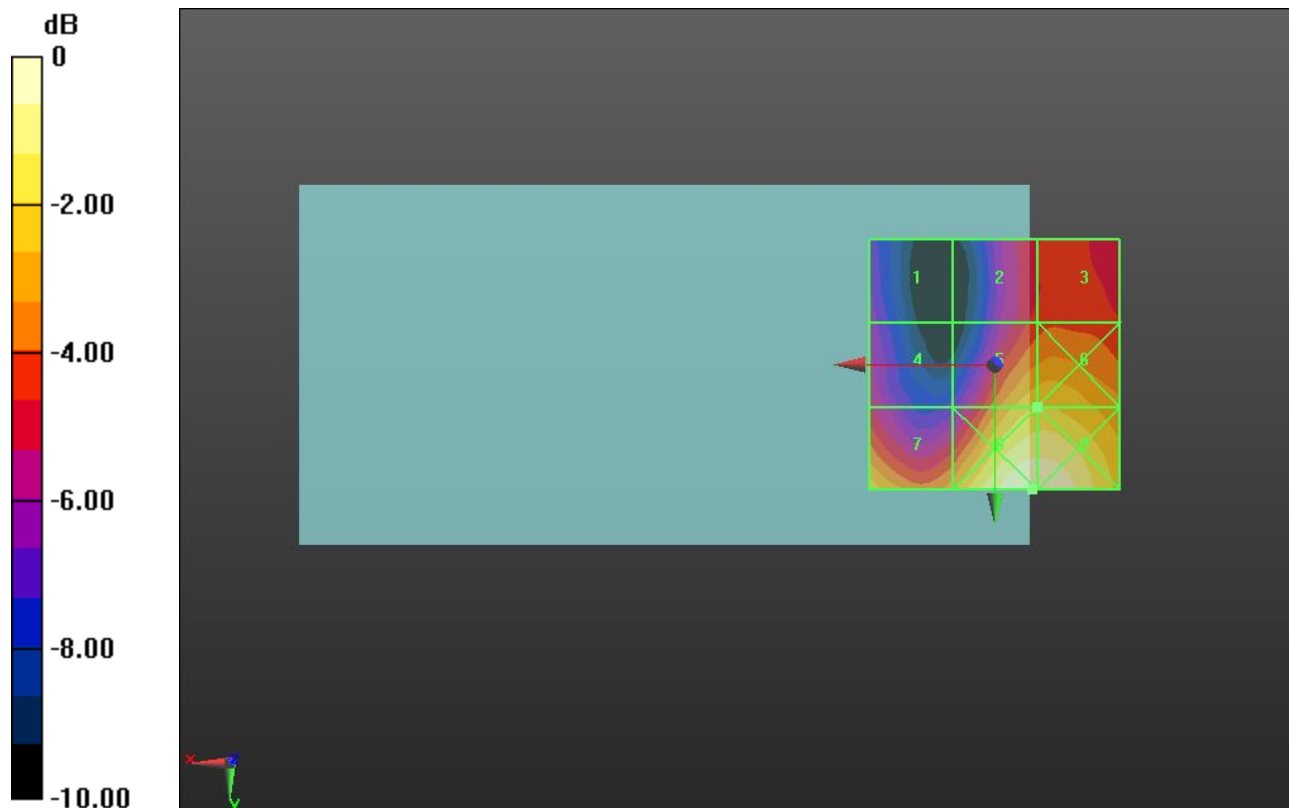
Applied MIF = -1.44 dB

RF audio interference level = 20.65 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>16.43 dBV/m</b> | Grid 2 <b>M4</b><br><b>18.32 dBV/m</b> | Grid 3 <b>M4</b><br><b>18.6 dBV/m</b>  |
| Grid 4 <b>M4</b><br><b>17.53 dBV/m</b> | Grid 5 <b>M4</b><br><b>20.65 dBV/m</b> | Grid 6 <b>M4</b><br><b>20.7 dBV/m</b>  |
| Grid 7 <b>M4</b><br><b>20.56 dBV/m</b> | Grid 8 <b>M4</b><br><b>22.67 dBV/m</b> | Grid 9 <b>M4</b><br><b>22.66 dBV/m</b> |



0 dB = 13.60 V/m = 22.67 dBV/m

## HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1) @ 2549.5 MHz; Calibrated: 7/22/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/10/2020
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

### 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 = 10.19 V/m; Power Drift = -0.02 dB

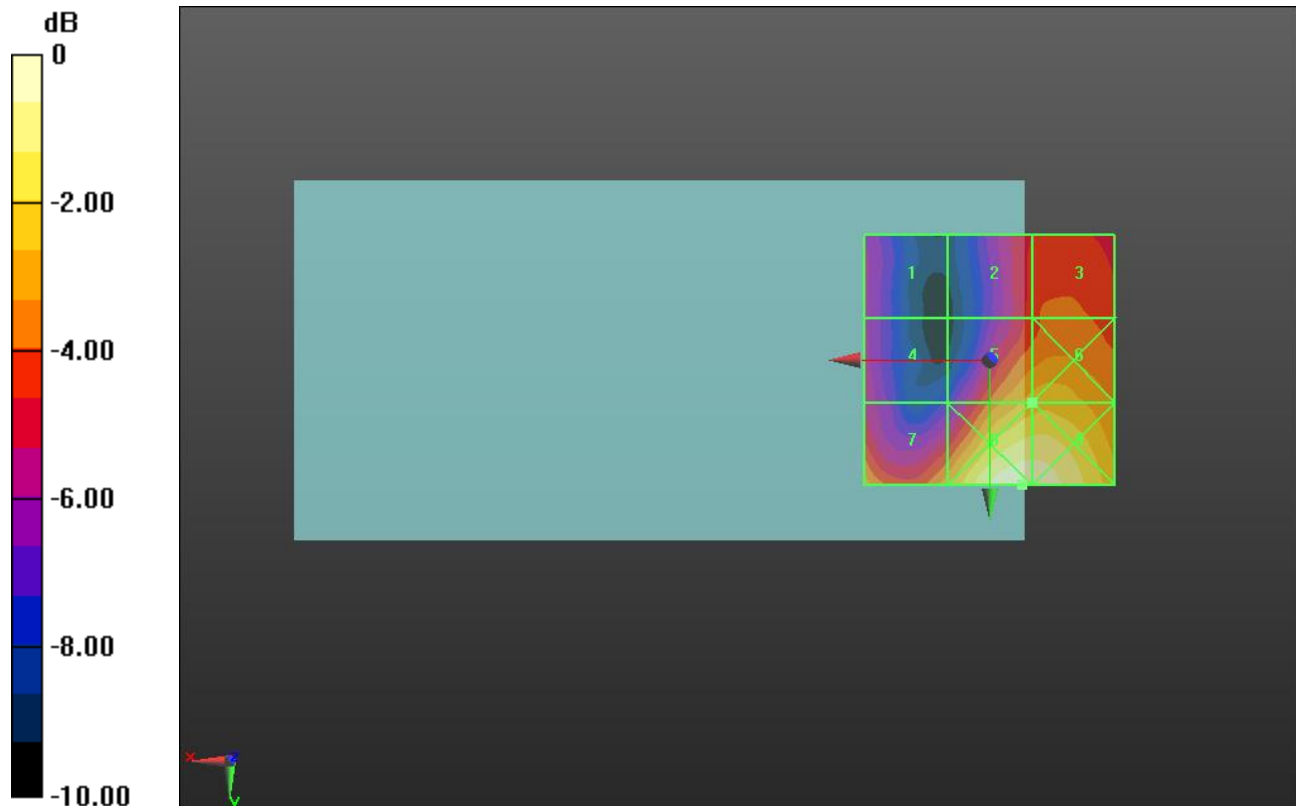
Applied MIF = -1.44 dB

RF audio interference level = 20.08 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>16.62 dBV/m</b> | Grid 2 <b>M4</b><br><b>18.15 dBV/m</b> | Grid 3 <b>M4</b><br><b>18.63 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>17.03 dBV/m</b> | Grid 5 <b>M4</b><br><b>20.08 dBV/m</b> | Grid 6 <b>M4</b><br><b>20.23 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>19.61 dBV/m</b> | Grid 8 <b>M4</b><br><b>22.42 dBV/m</b> | Grid 9 <b>M4</b><br><b>22.36 dBV/m</b> |



0 dB = 13.22 V/m = 22.42 dBV/m

## HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1) @ 2593 MHz; Calibrated: 7/22/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/10/2020
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

### 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 = 9.826 V/m; Power Drift = 0.04 dB

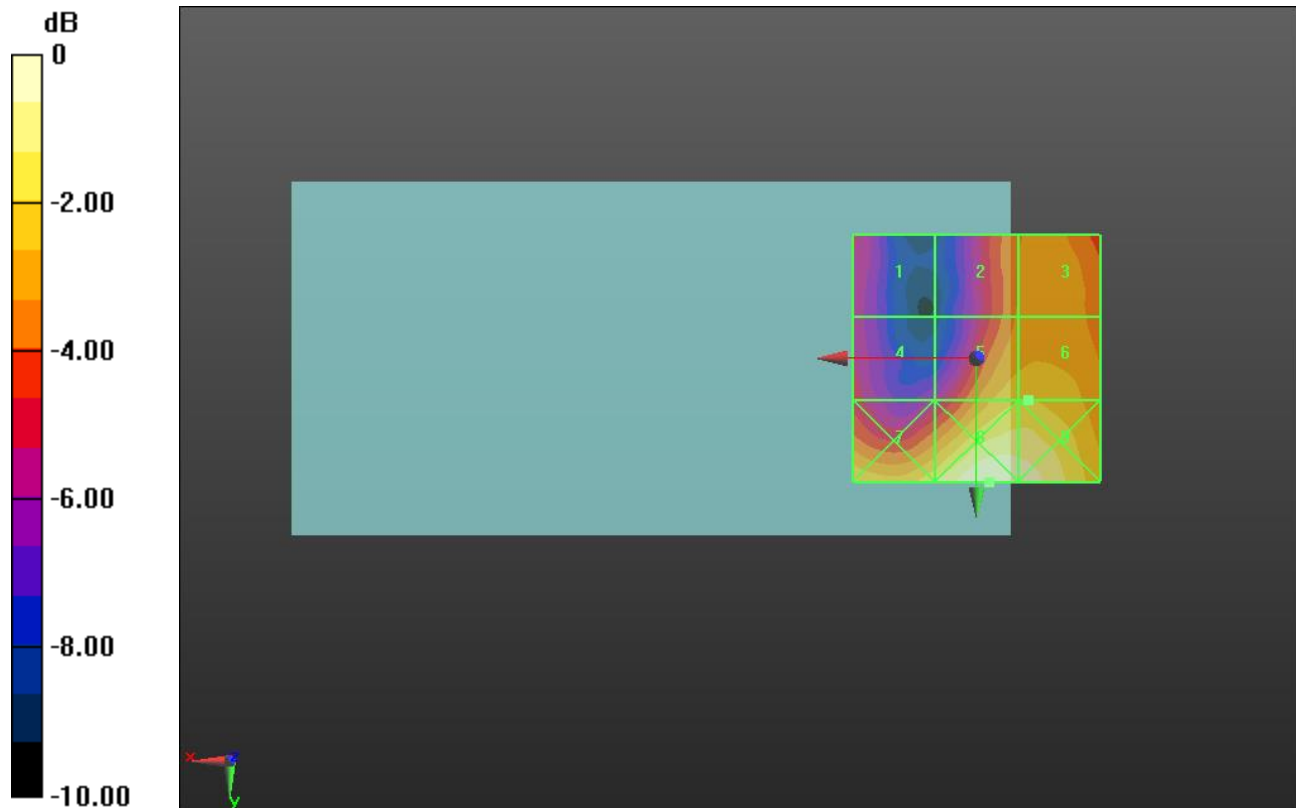
Applied MIF = -1.44 dB

RF audio interference level = 19.32 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>16.11 dBV/m</b> | Grid 2 <b>M4</b><br><b>18.1 dBV/m</b>  | Grid 3 <b>M4</b><br><b>18.44 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>16.45 dBV/m</b> | Grid 5 <b>M4</b><br><b>19.26 dBV/m</b> | Grid 6 <b>M4</b><br><b>19.32 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>19.9 dBV/m</b>  | Grid 8 <b>M4</b><br><b>21.29 dBV/m</b> | Grid 9 <b>M4</b><br><b>21.19 dBV/m</b> |



0 dB = 11.60 V/m = 21.29 dBV/m

## HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1) @ 2636.5 MHz; Calibrated: 7/22/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/10/2020
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

### 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 = 9.442 V/m; Power Drift = -0.07 dB

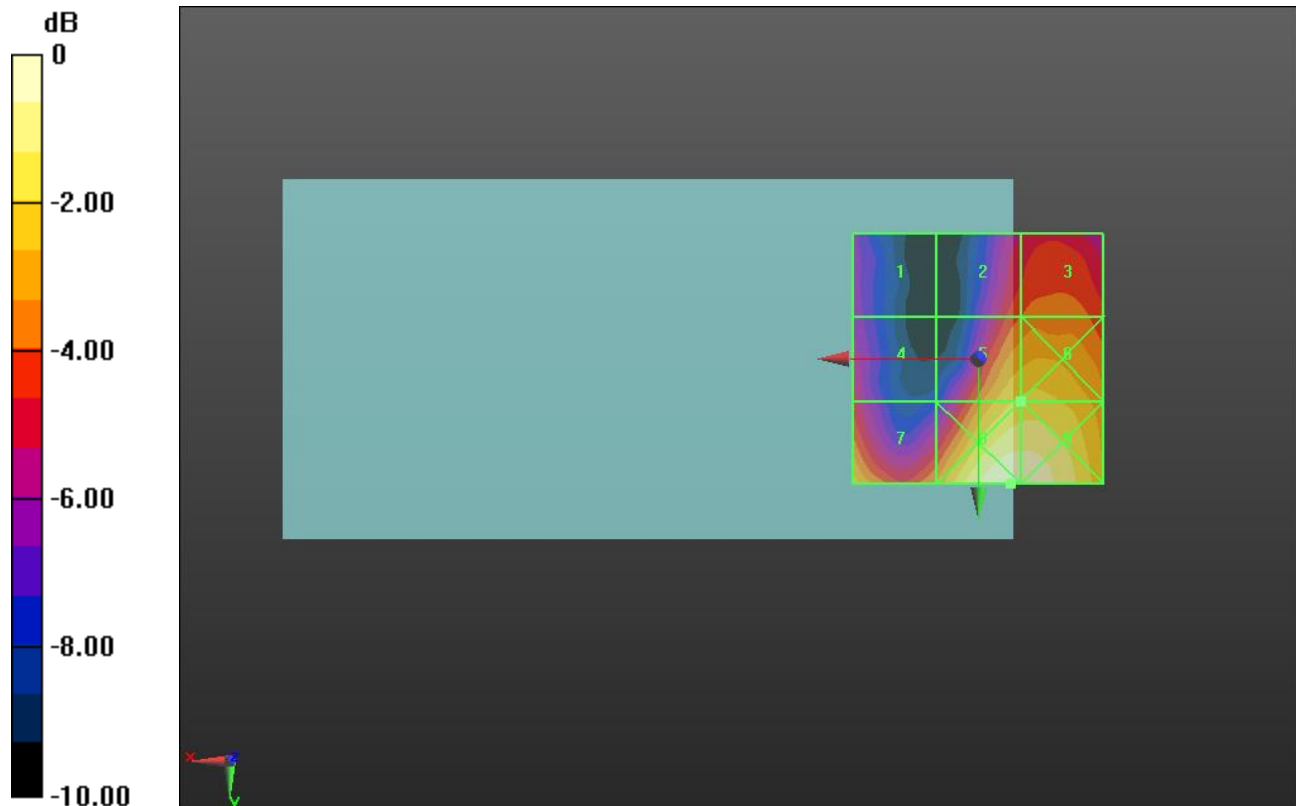
Applied MIF = -1.44 dB

RF audio interference level = 19.44 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>15.15 dBV/m</b> | Grid 2 <b>M4</b><br><b>17.31 dBV/m</b> | Grid 3 <b>M4</b><br><b>17.66 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>16.33 dBV/m</b> | Grid 5 <b>M4</b><br><b>19.44 dBV/m</b> | Grid 6 <b>M4</b><br><b>19.55 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>19.04 dBV/m</b> | Grid 8 <b>M4</b><br><b>21.28 dBV/m</b> | Grid 9 <b>M4</b><br><b>21.24 dBV/m</b> |



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

## HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1) @ 2680 MHz; Calibrated: 7/22/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/10/2020
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

### 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 = 6.904 V/m; Power Drift = 0.02 dB

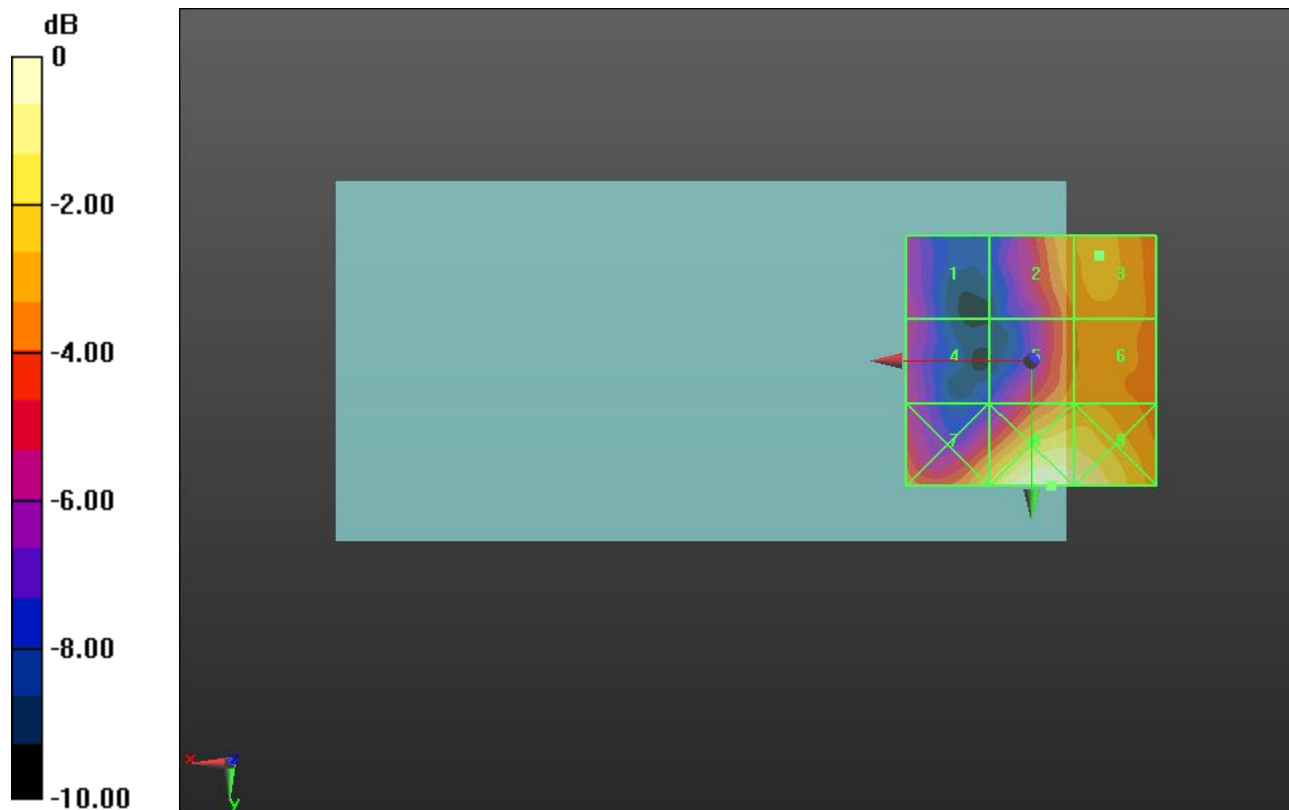
Applied MIF = -1.44 dB

RF audio interference level = 17.24 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>14.22 dBV/m</b> | Grid 2 <b>M4</b><br><b>16.97 dBV/m</b> | Grid 3 <b>M4</b><br><b>17.24 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>14.43 dBV/m</b> | Grid 5 <b>M4</b><br><b>16.81 dBV/m</b> | Grid 6 <b>M4</b><br><b>17.02 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>17.74 dBV/m</b> | Grid 8 <b>M4</b><br><b>19.65 dBV/m</b> | Grid 9 <b>M4</b><br><b>19.37 dBV/m</b> |



0 dB = 9.604 V/m = 19.65 dBV/m

## HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1) @ 2506 MHz; Calibrated: 7/22/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/10/2020
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

### 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 = 12.50 V/m; Power Drift = -0.08 dB

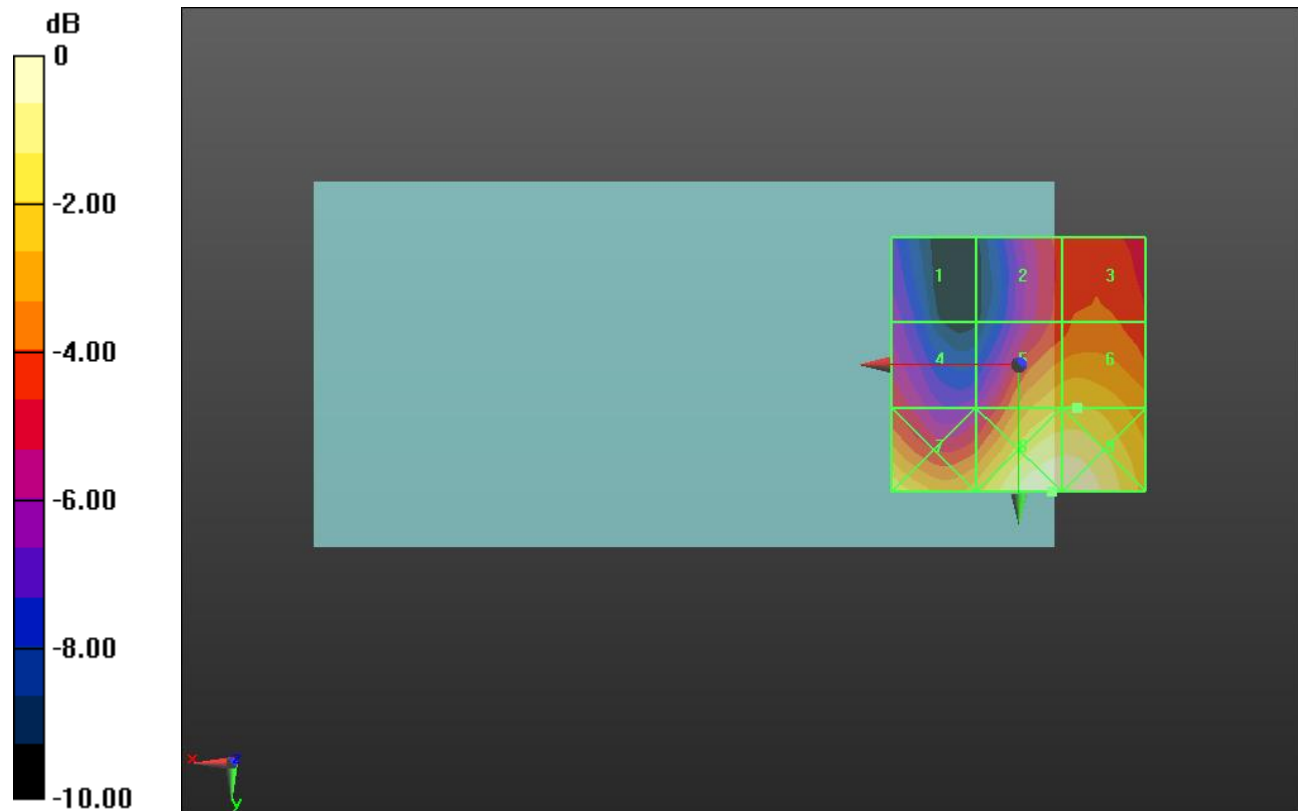
Applied MIF = -1.44 dB

RF audio interference level = 21.52 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>17.13 dBV/m</b> | Grid 2 <b>M4</b><br><b>19.22 dBV/m</b> | Grid 3 <b>M4</b><br><b>19.59 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>18.79 dBV/m</b> | Grid 5 <b>M4</b><br><b>21.45 dBV/m</b> | Grid 6 <b>M4</b><br><b>21.52 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>22.2 dBV/m</b>  | Grid 8 <b>M4</b><br><b>23.43 dBV/m</b> | Grid 9 <b>M4</b><br><b>23.39 dBV/m</b> |



0 dB = 14.85 V/m = 23.43 dBV/m

## HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1) @ 2549.5 MHz; Calibrated: 7/22/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/10/2020
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

### 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 = 12.01 V/m; Power Drift = -0.15 dB

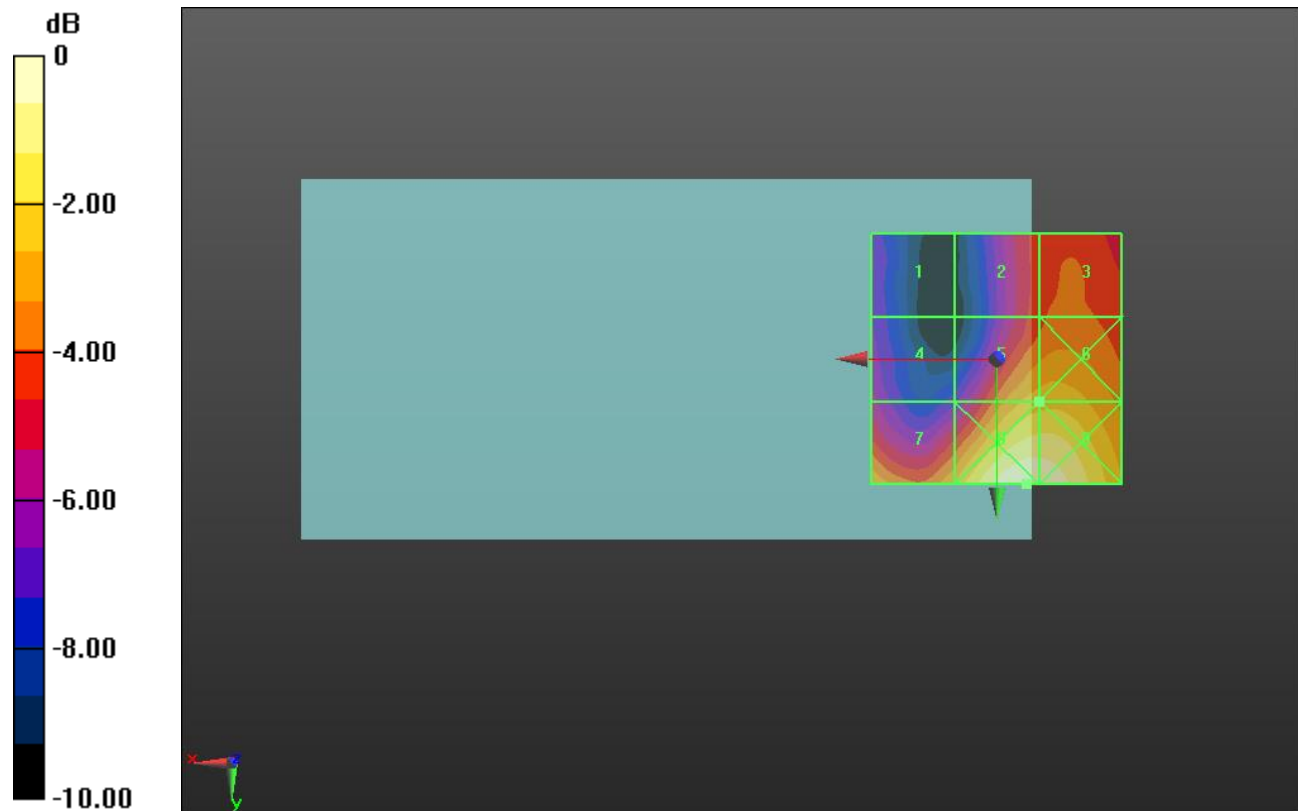
Applied MIF = -1.44 dB

RF audio interference level = 21.41 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>17.14 dBV/m</b> | Grid 2 <b>M4</b><br><b>19.5 dBV/m</b>  | Grid 3 <b>M4</b><br><b>19.83 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>17.99 dBV/m</b> | Grid 5 <b>M4</b><br><b>21.41 dBV/m</b> | Grid 6 <b>M4</b><br><b>21.5 dBV/m</b>  |
| Grid 7 <b>M4</b><br><b>21.2 dBV/m</b>  | Grid 8 <b>M4</b><br><b>23.68 dBV/m</b> | Grid 9 <b>M4</b><br><b>23.6 dBV/m</b>  |



0 dB = 15.28 V/m = 23.68 dBV/m

## HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1) @ 2593 MHz; Calibrated: 7/22/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/10/2020
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

### 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 = 11.13 V/m; Power Drift = 0.01 dB

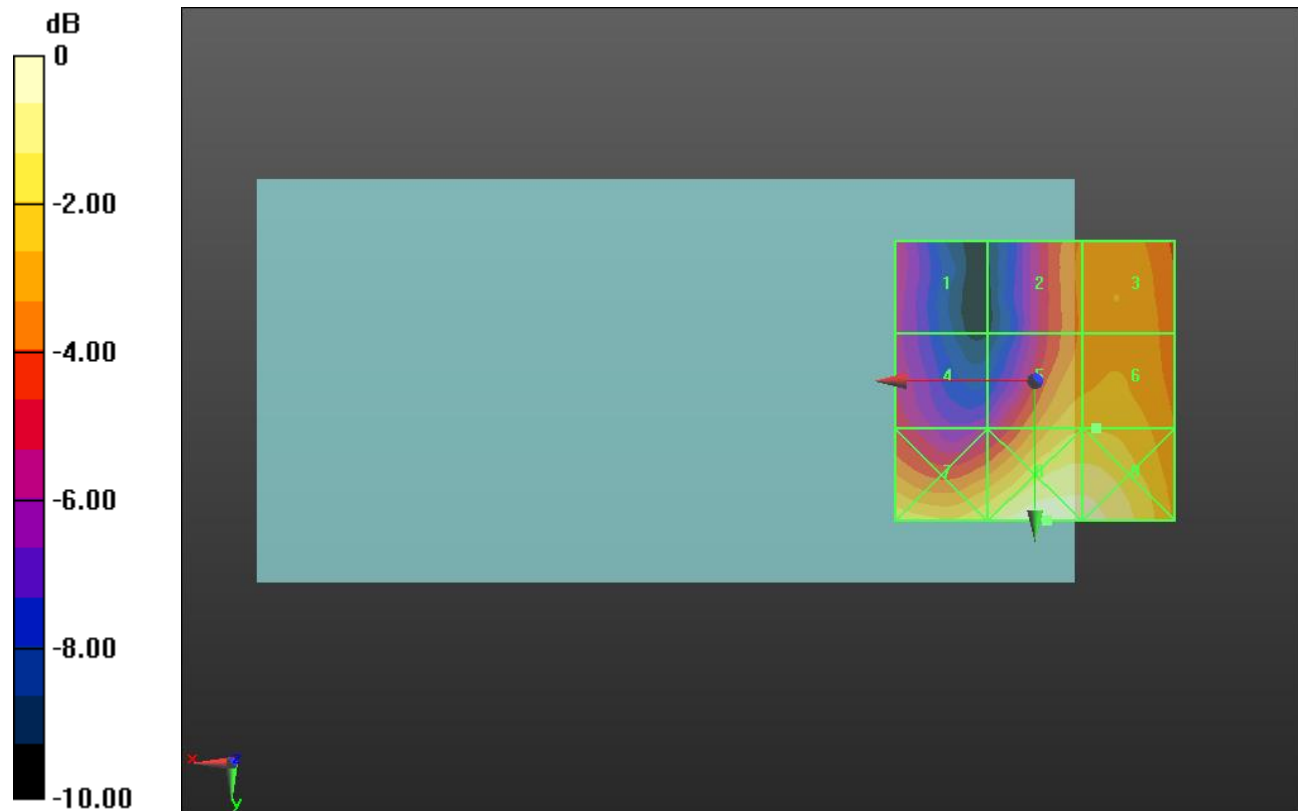
Applied MIF = -1.44 dB

RF audio interference level = 20.26 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>16.99 dBV/m</b> | Grid 2 <b>M4</b><br><b>19.18 dBV/m</b> | Grid 3 <b>M4</b><br><b>19.64 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>17.65 dBV/m</b> | Grid 5 <b>M4</b><br><b>20.22 dBV/m</b> | Grid 6 <b>M4</b><br><b>20.26 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>21.12 dBV/m</b> | Grid 8 <b>M4</b><br><b>22.29 dBV/m</b> | Grid 9 <b>M4</b><br><b>22.02 dBV/m</b> |



0 dB = 13.02 V/m = 22.29 dBV/m

## HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1) @ 2636.5 MHz; Calibrated: 7/22/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/10/2020
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

### 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 = 10.83 V/m; Power Drift = -0.07 dB

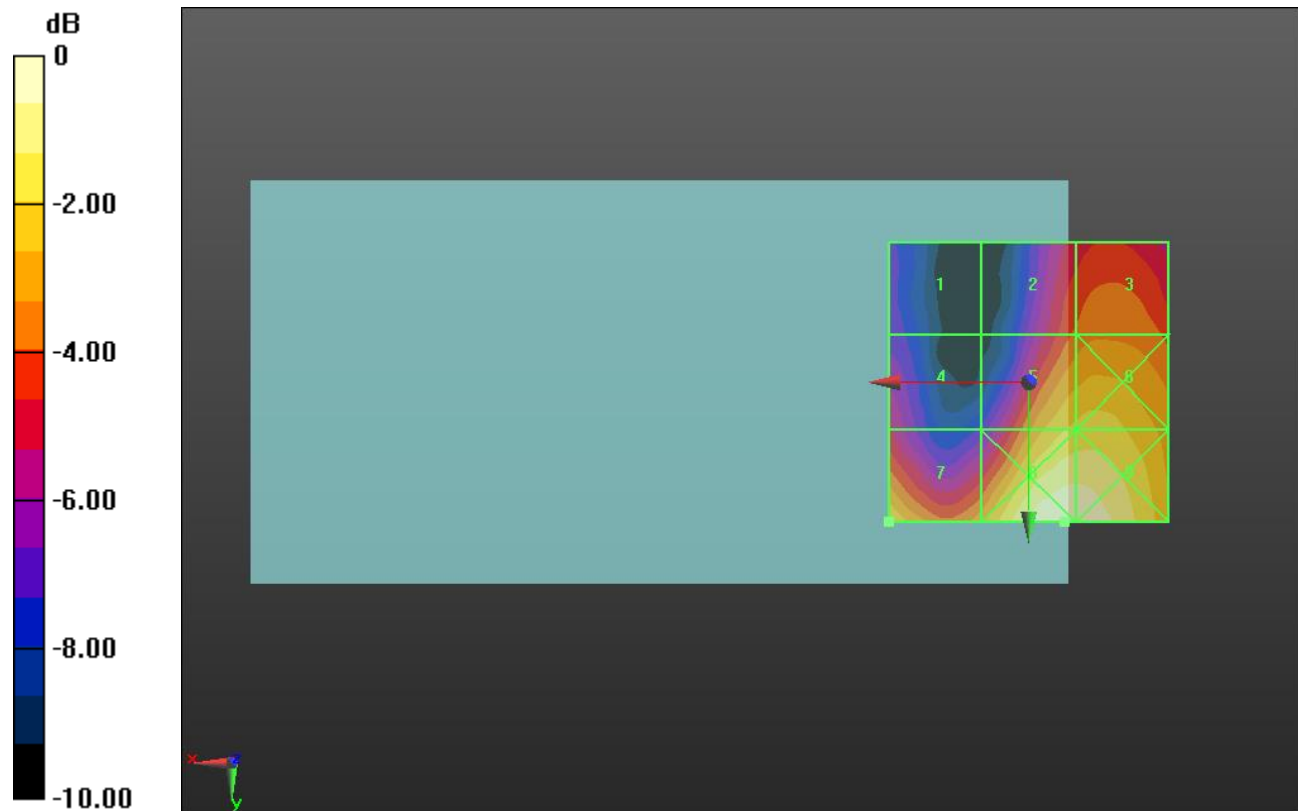
Applied MIF = -1.44 dB

RF audio interference level = 20.59 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>15.68 dBV/m</b> | Grid 2 <b>M4</b><br><b>18.6 dBV/m</b>  | Grid 3 <b>M4</b><br><b>19 dBV/m</b>    |
| Grid 4 <b>M4</b><br><b>17.3 dBV/m</b>  | Grid 5 <b>M4</b><br><b>20.58 dBV/m</b> | Grid 6 <b>M4</b><br><b>20.71 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>20.59 dBV/m</b> | Grid 8 <b>M4</b><br><b>22.4 dBV/m</b>  | Grid 9 <b>M4</b><br><b>22.35 dBV/m</b> |



0 dB = 13.19 V/m = 22.40 dBV/m

## HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1) @ 2680 MHz; Calibrated: 7/22/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/10/2020
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

### 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 = 7.884 V/m; Power Drift = -0.10 dB

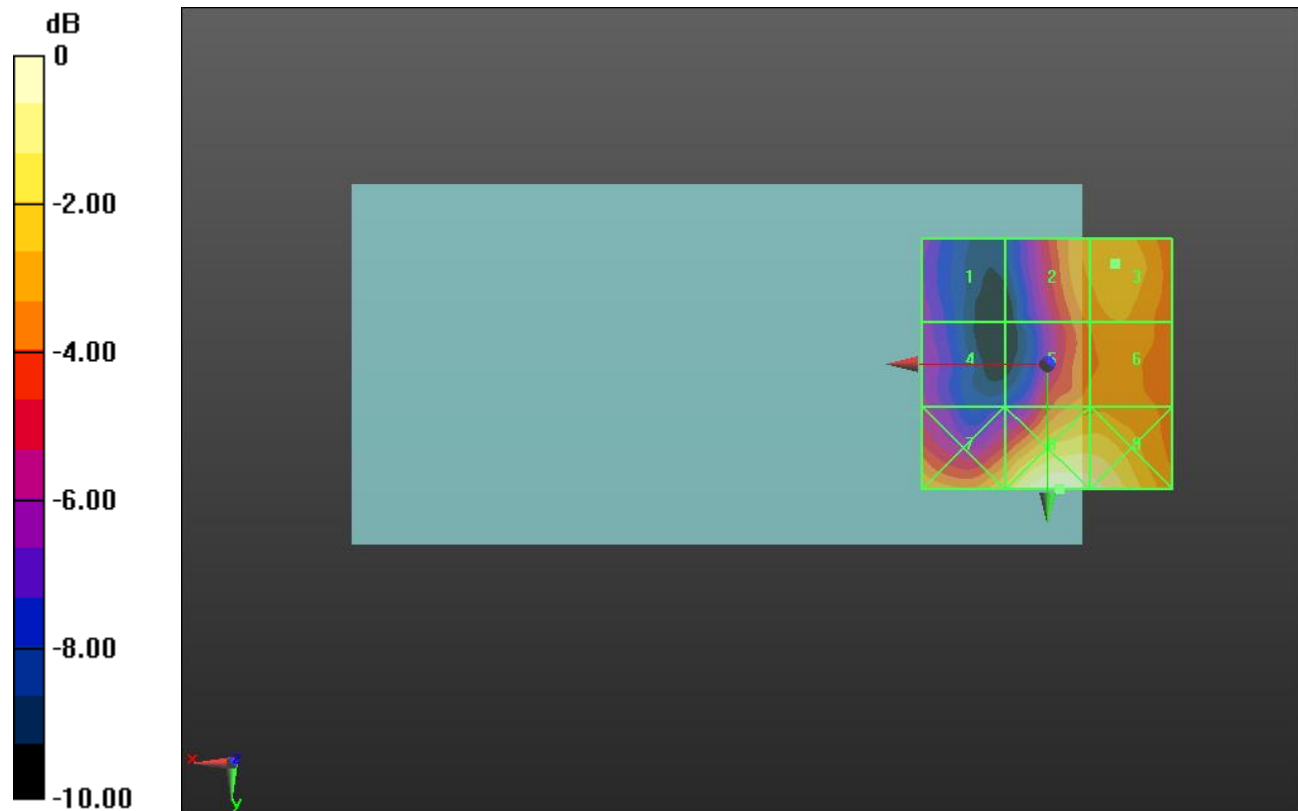
Applied MIF = -1.44 dB

RF audio interference level = 18.44 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>14.58 dBV/m</b> | Grid 2 <b>M4</b><br><b>18.16 dBV/m</b> | Grid 3 <b>M4</b><br><b>18.44 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>14.89 dBV/m</b> | Grid 5 <b>M4</b><br><b>17.76 dBV/m</b> | Grid 6 <b>M4</b><br><b>17.94 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>18.81 dBV/m</b> | Grid 8 <b>M4</b><br><b>20.61 dBV/m</b> | Grid 9 <b>M4</b><br><b>20.32 dBV/m</b> |



0 dB = 10.73 V/m = 20.61 dBV/m

## HAC-RF Emission

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 - SN4028; ConvF(1, 1, 1) @ 824.2 MHz; Calibrated: 7/22/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/10/2020
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

## 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 = 122.5 V/m; Power Drift = -0.05 dB

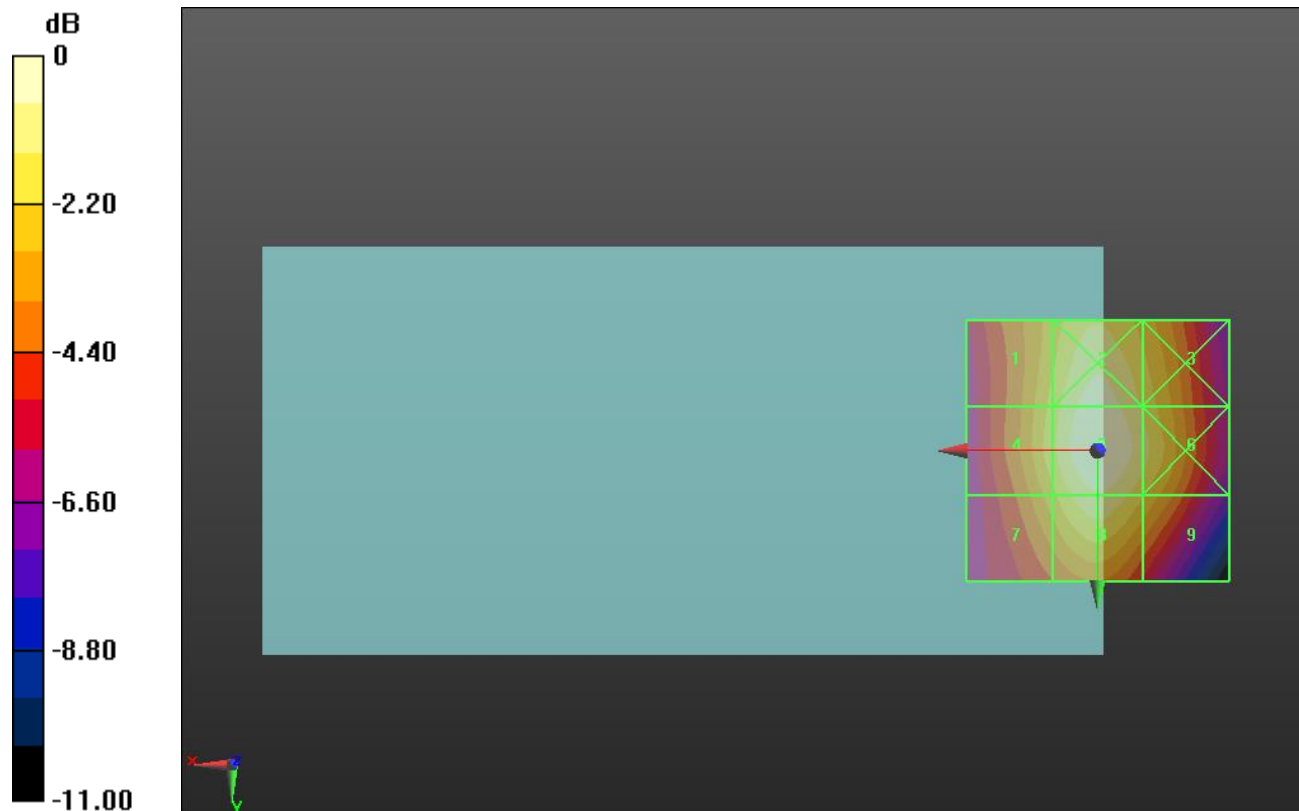
Applied MIF = 3.63 dB

RF audio interference level = 39.72 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>37.85 dBV/m</b> | Grid 2 <b>M4</b><br><b>39.35 dBV/m</b> | Grid 3 <b>M4</b><br><b>38.18 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>38.11 dBV/m</b> | Grid 5 <b>M4</b><br><b>39.72 dBV/m</b> | Grid 6 <b>M4</b><br><b>38.59 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>37.33 dBV/m</b> | Grid 8 <b>M4</b><br><b>38.9 dBV/m</b>  | Grid 9 <b>M4</b><br><b>37.65 dBV/m</b> |



0 dB = 96.84 V/m = 39.72 dBV/m

## HAC-RF Emission

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 - SN4028; ConvF(1, 1, 1) @ 836.6 MHz; Calibrated: 7/22/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/10/2020
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

## 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 = 121.0 V/m; Power Drift = 0.35 dB

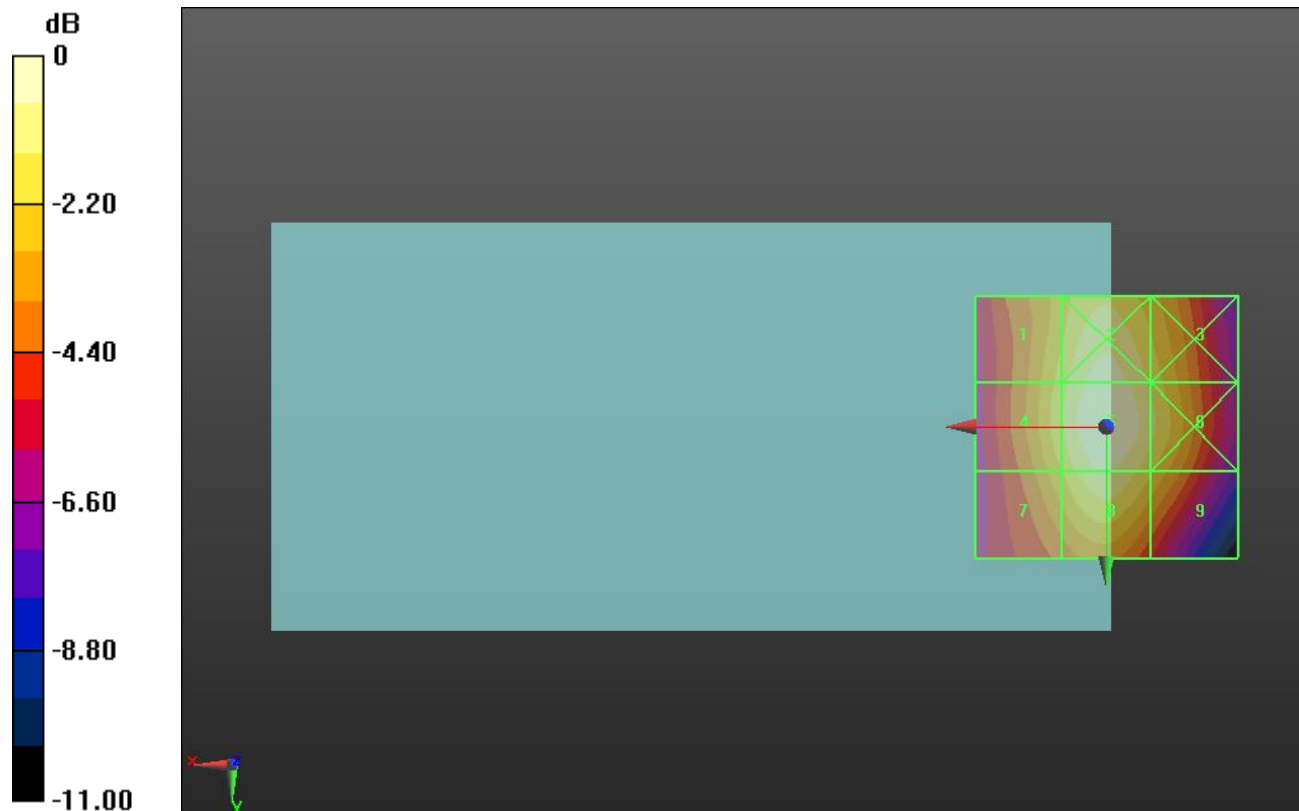
Applied MIF = 3.63 dB

RF audio interference level = 39.95 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>38.15 dBV/m</b> | Grid 2 <b>M4</b><br><b>39.58 dBV/m</b> | Grid 3 <b>M4</b><br><b>38.33 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>38.41 dBV/m</b> | Grid 5 <b>M4</b><br><b>39.95 dBV/m</b> | Grid 6 <b>M4</b><br><b>38.74 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>37.74 dBV/m</b> | Grid 8 <b>M4</b><br><b>39.24 dBV/m</b> | Grid 9 <b>M4</b><br><b>37.86 dBV/m</b> |



0 dB = 99.48 V/m = 39.95 dBV/m

## HAC-RF Emission

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 - SN4028; ConvF(1, 1, 1) @ 848.6 MHz; Calibrated: 7/22/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/10/2020
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

## 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 = 125.4 V/m; Power Drift = -0.01 dB

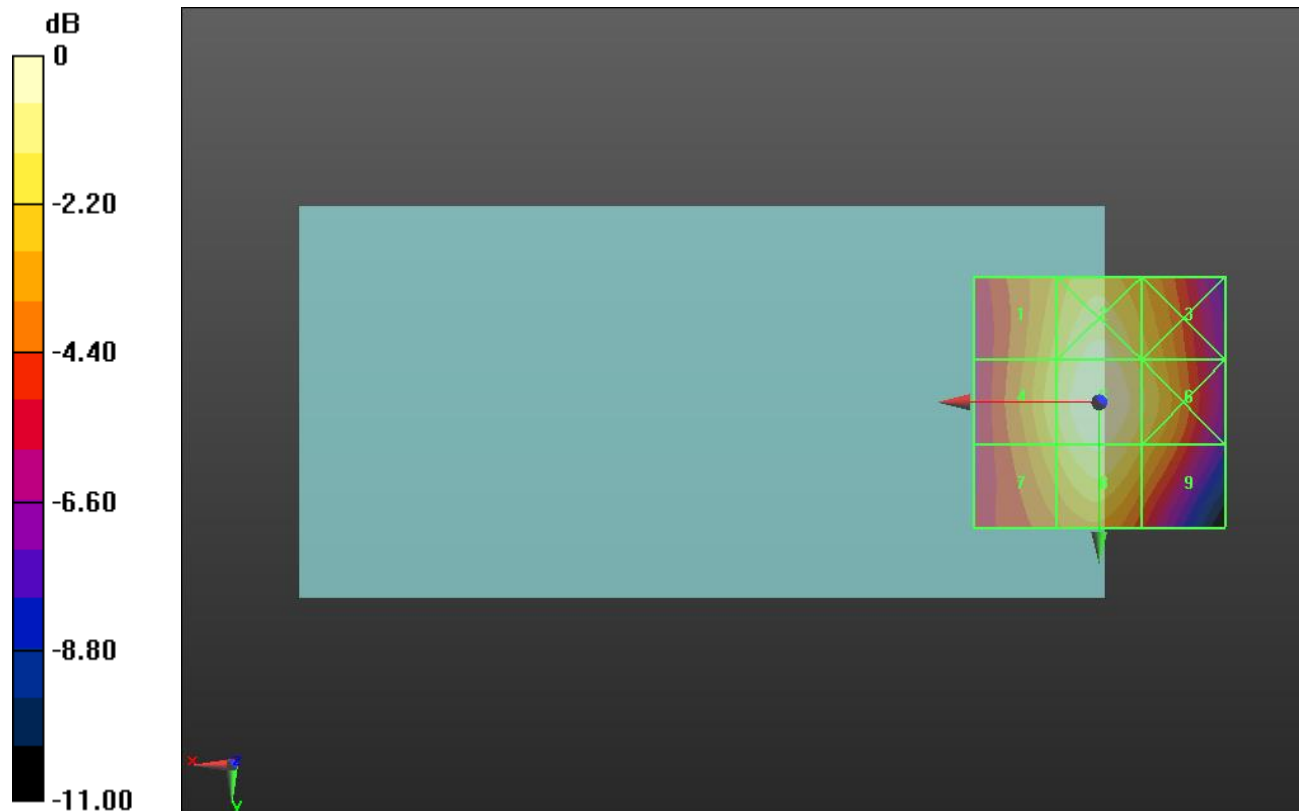
Applied MIF = 3.63 dB

RF audio interference level = 39.85 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>38.04 dBV/m</b> | Grid 2 <b>M4</b><br><b>39.45 dBV/m</b> | Grid 3 <b>M4</b><br><b>38.1 dBV/m</b>  |
| Grid 4 <b>M4</b><br><b>38.41 dBV/m</b> | Grid 5 <b>M4</b><br><b>39.85 dBV/m</b> | Grid 6 <b>M4</b><br><b>38.57 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>37.83 dBV/m</b> | Grid 8 <b>M4</b><br><b>39.25 dBV/m</b> | Grid 9 <b>M4</b><br><b>37.75 dBV/m</b> |



0 dB = 98.32 V/m = 39.85 dBV/m

## HAC-RF Emission

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 - SN4028; ConvF(1, 1, 1) @ 1850.2 MHz; Calibrated: 7/22/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/10/2020
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

## 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 = 17.82 V/m; Power Drift = -0.03 dB

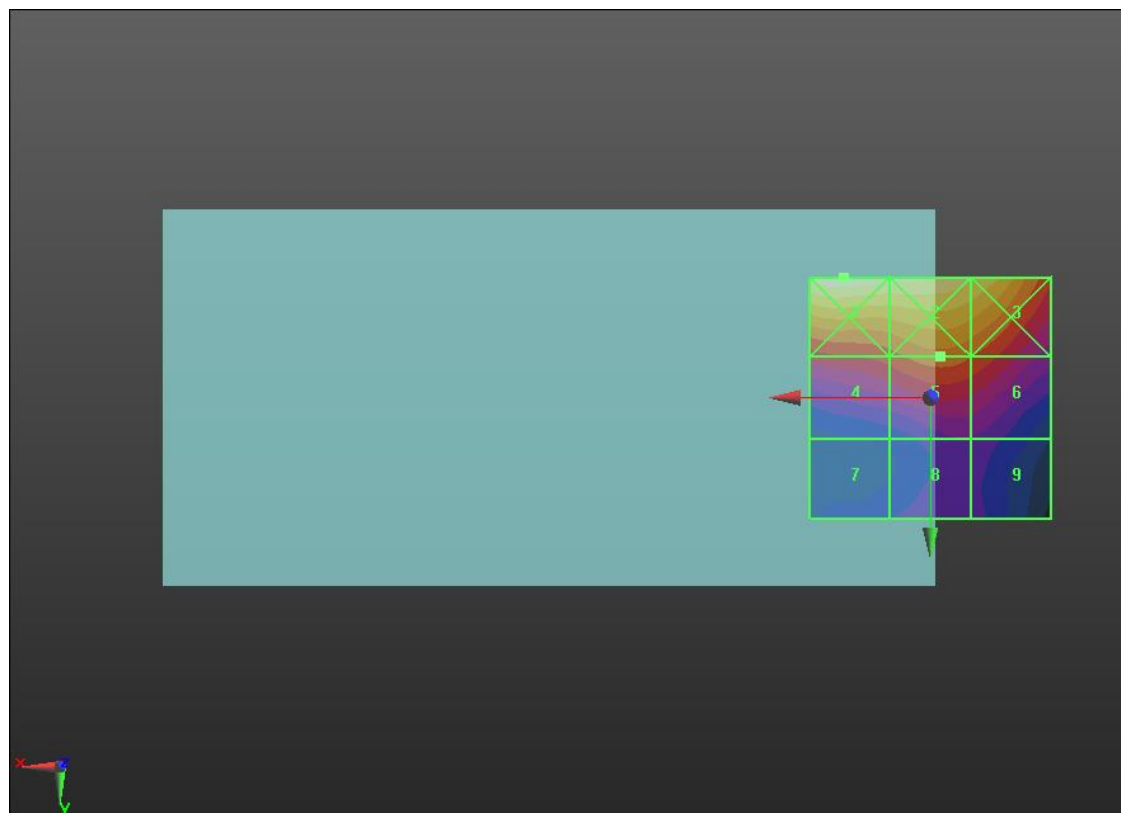
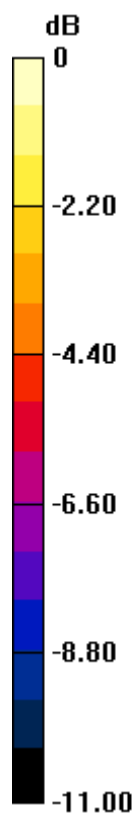
Applied MIF = 3.63 dB

RF audio interference level = 27.74 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M3</b><br><b>31.7 dBV/m</b>  | Grid 2 <b>M3</b><br><b>31.32 dBV/m</b> | Grid 3 <b>M3</b><br><b>30.4 dBV/m</b>  |
| Grid 4 <b>M4</b><br><b>26.95 dBV/m</b> | Grid 5 <b>M4</b><br><b>27.74 dBV/m</b> | Grid 6 <b>M4</b><br><b>27.32 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>23.57 dBV/m</b> | Grid 8 <b>M4</b><br><b>24.36 dBV/m</b> | Grid 9 <b>M4</b><br><b>24.32 dBV/m</b> |



0 dB = 38.44 V/m = 31.70 dBV/m

## HAC-RF Emission

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 - SN4028; ConvF(1, 1, 1) @ 1880 MHz; Calibrated: 7/22/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/10/2020
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

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

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 19.08 V/m; Power Drift = -0.03 dB

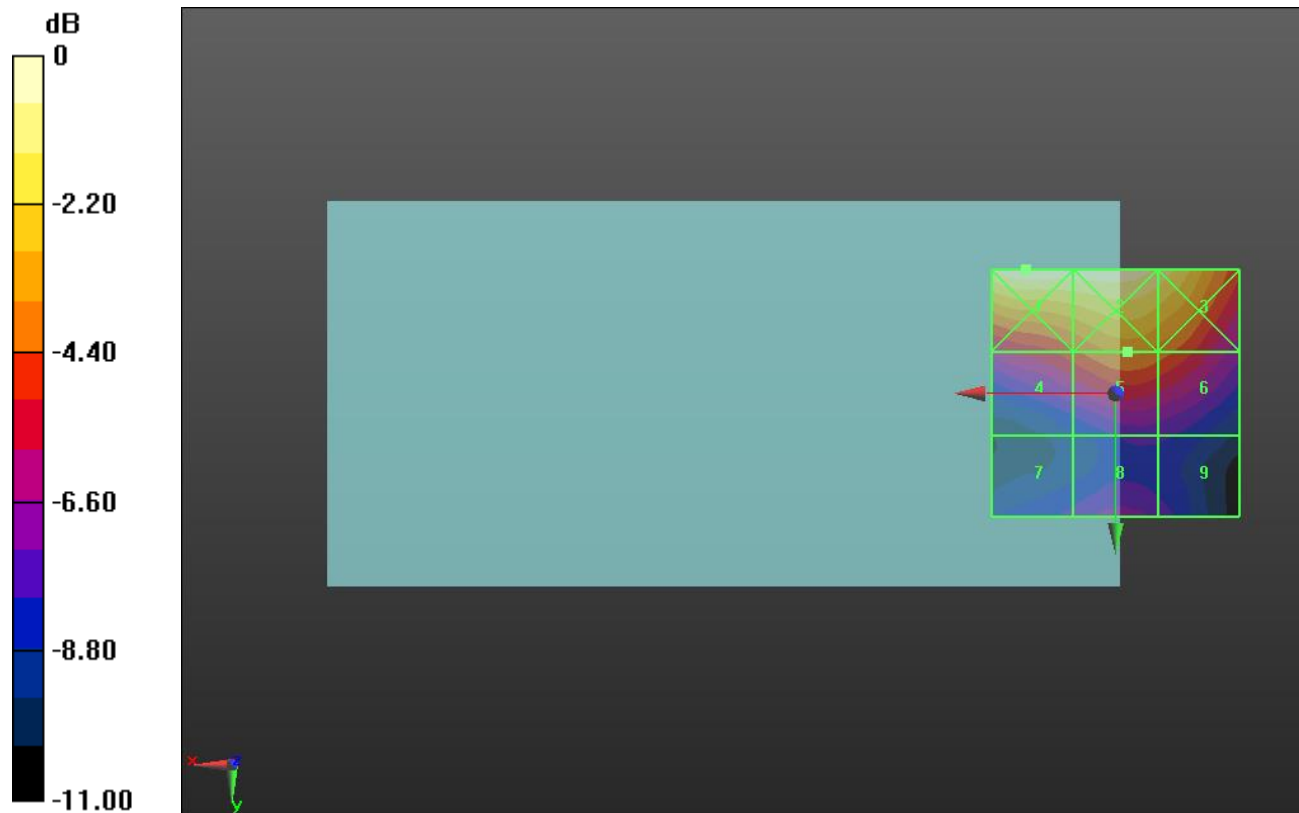
Applied MIF = 3.63 dB

RF audio interference level = 28.67 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M3</b><br><b>32.14 dBV/m</b> | Grid 2 <b>M3</b><br><b>32.07 dBV/m</b> | Grid 3 <b>M3</b><br><b>31.28 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>27.55 dBV/m</b> | Grid 5 <b>M4</b><br><b>28.67 dBV/m</b> | Grid 6 <b>M4</b><br><b>28.21 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>24.45 dBV/m</b> | Grid 8 <b>M4</b><br><b>25.14 dBV/m</b> | Grid 9 <b>M4</b><br><b>24.67 dBV/m</b> |



0 dB = 40.47 V/m = 32.14 dBV/m

## HAC-RF Emission

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 - SN4028; ConvF(1, 1, 1) @ 1909.8 MHz; Calibrated: 7/22/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/10/2020
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

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

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 18.84 V/m; Power Drift = -0.05 dB

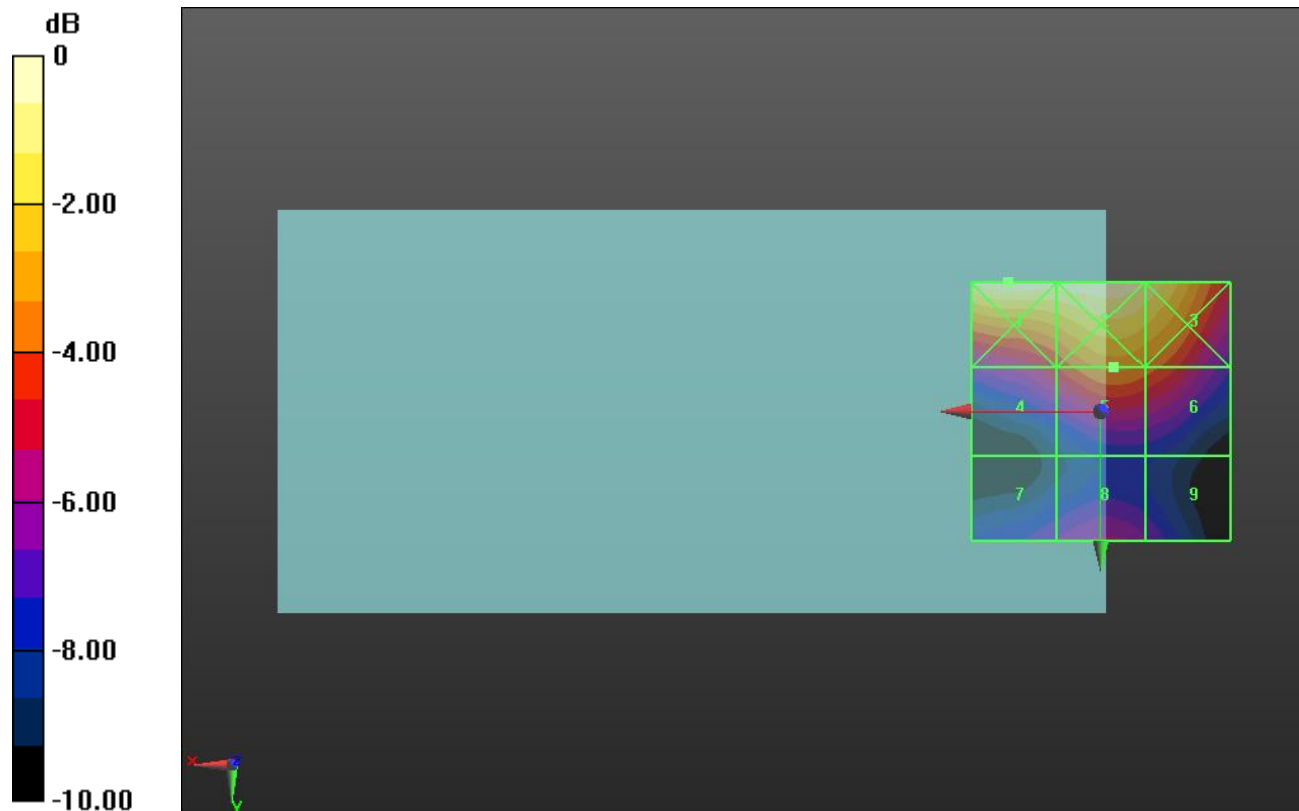
Applied MIF = 3.63 dB

RF audio interference level = 28.67 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M3</b><br><b>31.81 dBV/m</b> | Grid 2 <b>M3</b><br><b>31.71 dBV/m</b> | Grid 3 <b>M3</b><br><b>31.12 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>27.13 dBV/m</b> | Grid 5 <b>M4</b><br><b>28.67 dBV/m</b> | Grid 6 <b>M4</b><br><b>28.23 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>25.24 dBV/m</b> | Grid 8 <b>M4</b><br><b>26.03 dBV/m</b> | Grid 9 <b>M4</b><br><b>25.35 dBV/m</b> |



0 dB = 38.96 V/m = 31.81 dBV/m

## HAC-RF Emission

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 - SN4028; ConvF(1, 1, 1) @ 824.7 MHz; Calibrated: 7/22/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/10/2020
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

## 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 = 57.38 V/m; Power Drift = -0.05 dB

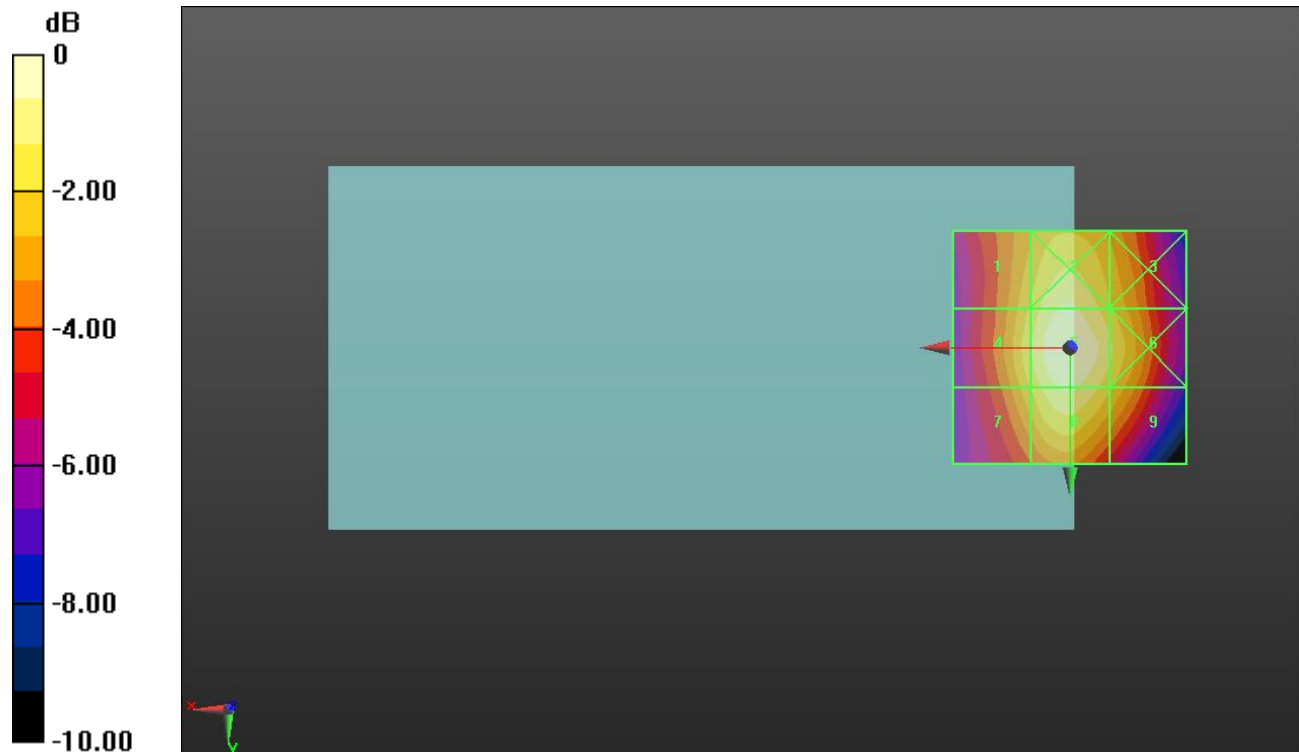
Applied MIF = 3.26 dB

RF audio interference level = 32.69 dBV/m

Emission category: **M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>30.82 dBV/m</b> | Grid 2 <b>M4</b><br><b>32.12 dBV/m</b> | Grid 3 <b>M4</b><br><b>30.86 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>31.28 dBV/m</b> | Grid 5 <b>M4</b><br><b>32.69 dBV/m</b> | Grid 6 <b>M4</b><br><b>31.51 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>30.7 dBV/m</b>  | Grid 8 <b>M4</b><br><b>32.11 dBV/m</b> | Grid 9 <b>M4</b><br><b>30.85 dBV/m</b> |



0 dB = 43.10 V/m = 32.69 dBV/m

## HAC-RF Emission

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 - SN4028; ConvF(1, 1, 1) @ 836.52 MHz; Calibrated: 7/22/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/10/2020
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

## 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 = 59.56 V/m; Power Drift = 0.05 dB

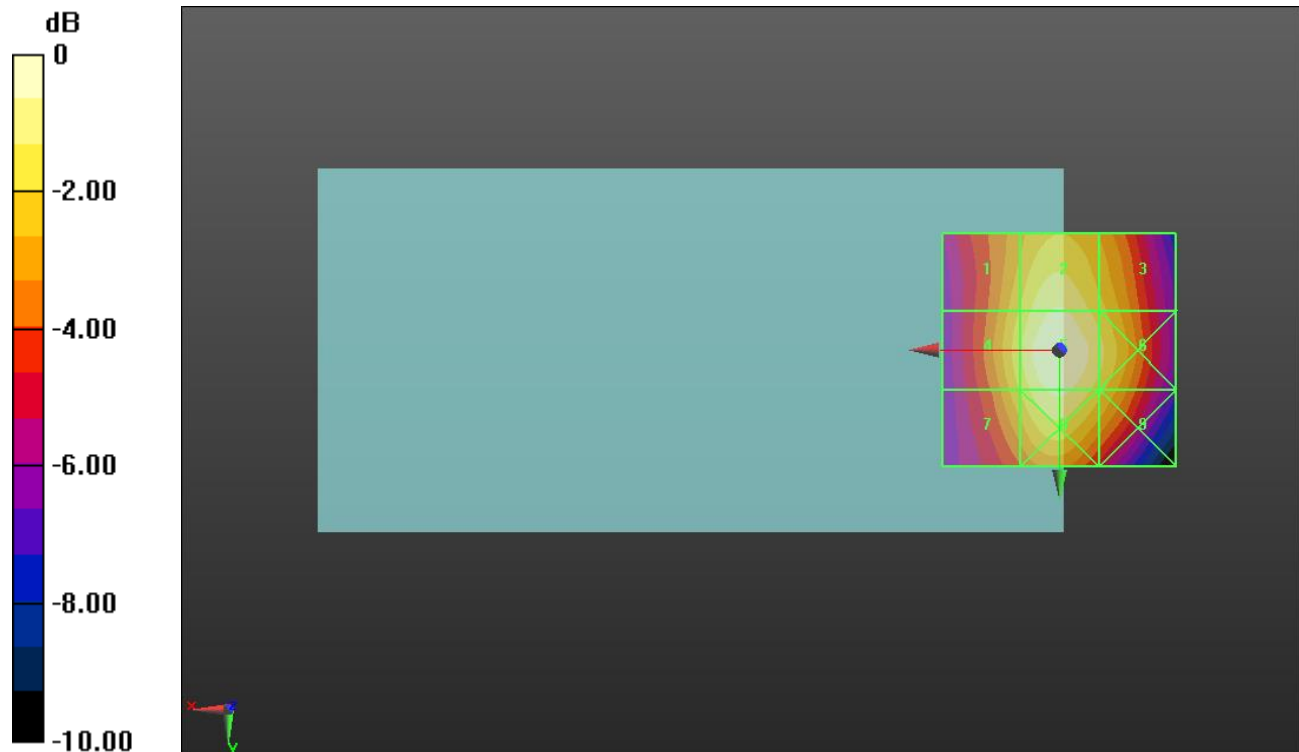
Applied MIF = 3.26 dB

RF audio interference level = 32.95 dBV/m

Emission category: **M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>31.02 dBV/m</b> | Grid 2 <b>M4</b><br><b>32.36 dBV/m</b> | Grid 3 <b>M4</b><br><b>31.27 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>31.49 dBV/m</b> | Grid 5 <b>M4</b><br><b>32.95 dBV/m</b> | Grid 6 <b>M4</b><br><b>31.85 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>31 dBV/m</b>    | Grid 8 <b>M4</b><br><b>32.45 dBV/m</b> | Grid 9 <b>M4</b><br><b>31.25 dBV/m</b> |



0 dB = 44.43 V/m = 32.95 dBV/m

## HAC-RF Emission

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 - SN4028; ConvF(1, 1, 1) @ 848.31 MHz; Calibrated: 7/22/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/10/2020
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

## 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 = 61.23 V/m; Power Drift = -0.03 dB

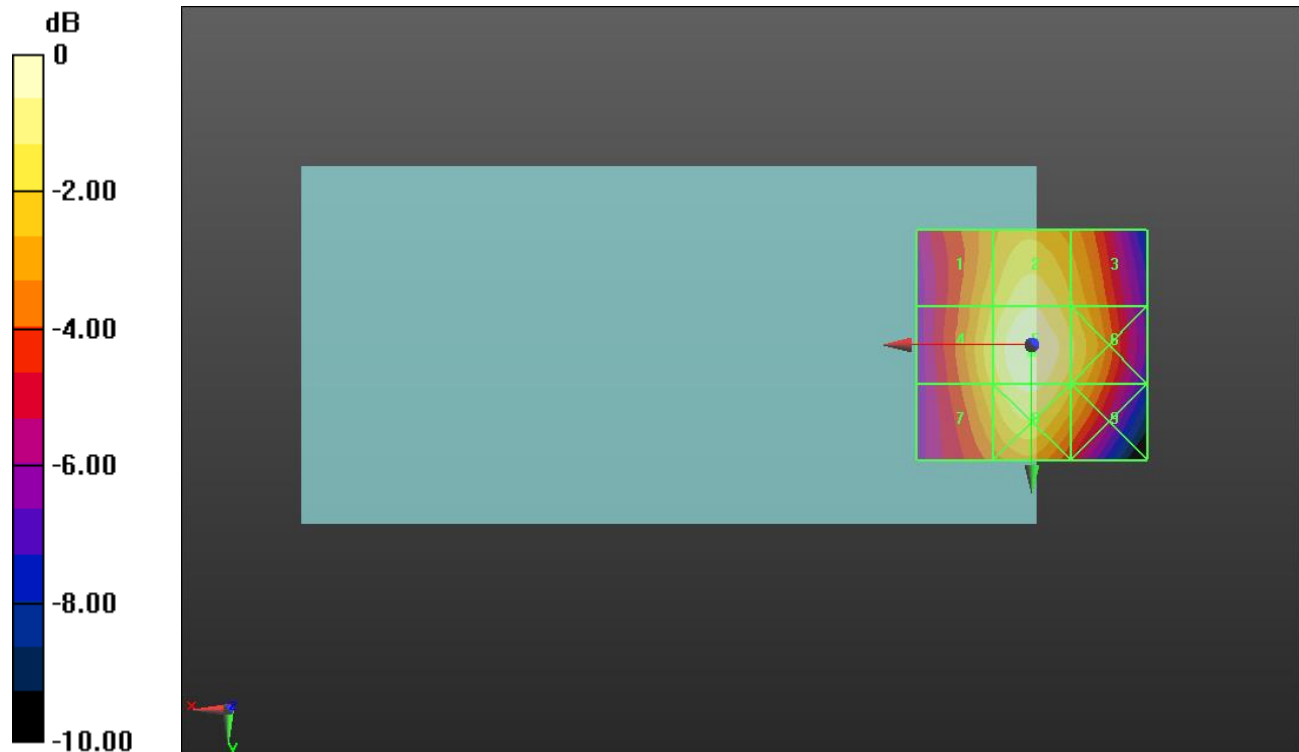
Applied MIF = 3.26 dB

RF audio interference level = 33.25 dBV/m

Emission category: **M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>31.29 dBV/m</b> | Grid 2 <b>M4</b><br><b>32.56 dBV/m</b> | Grid 3 <b>M4</b><br><b>31.42 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>31.86 dBV/m</b> | Grid 5 <b>M4</b><br><b>33.25 dBV/m</b> | Grid 6 <b>M4</b><br><b>32.1 dBV/m</b>  |
| Grid 7 <b>M4</b><br><b>31.39 dBV/m</b> | Grid 8 <b>M4</b><br><b>32.78 dBV/m</b> | Grid 9 <b>M4</b><br><b>31.46 dBV/m</b> |



0 dB = 45.95 V/m = 33.25 dBV/m

## HAC-RF Emission

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 - SN4028; ConvF(1, 1, 1) @ 1851.25 MHz; Calibrated: 7/22/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/10/2020
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

## 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 = 11.82 V/m; Power Drift = -0.07 dB

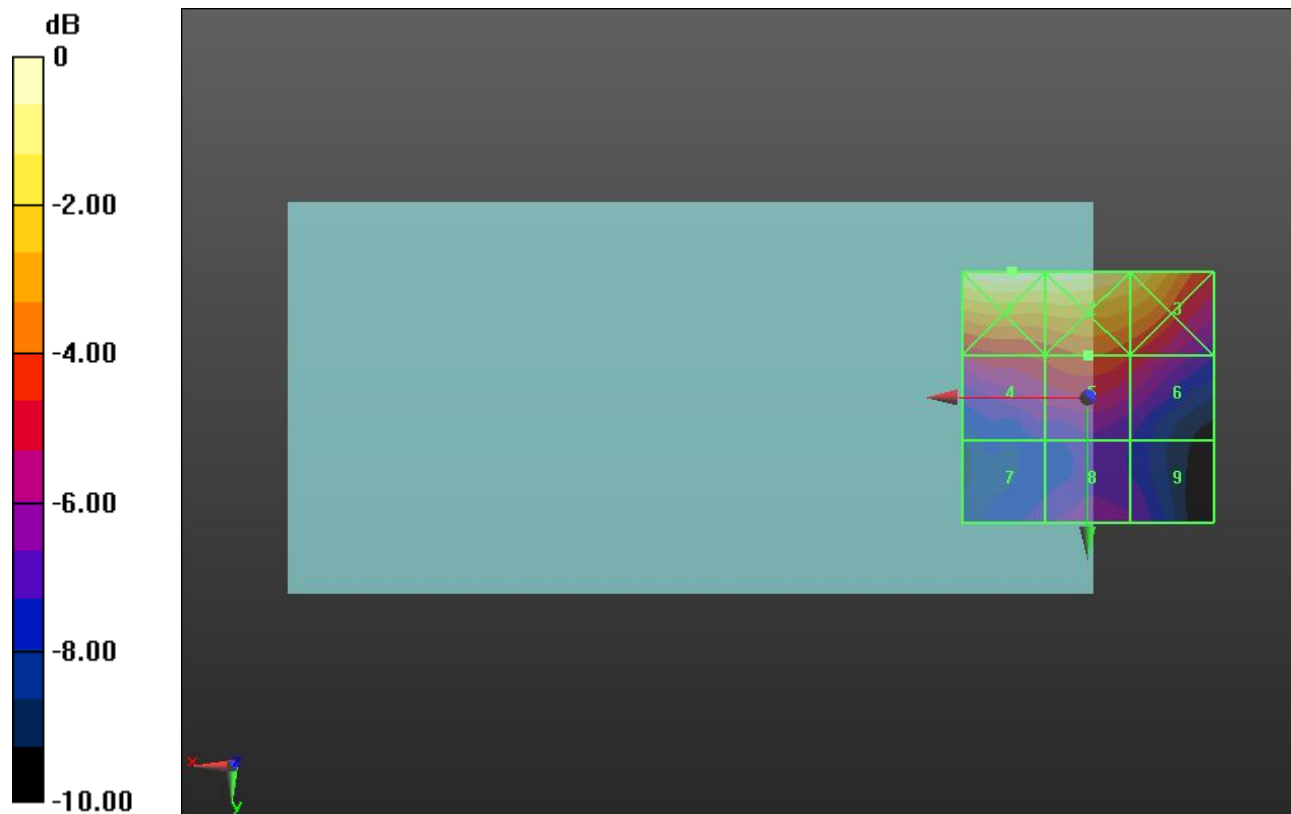
Applied MIF = 3.26 dB

RF audio interference level = 23.29 dBV/m

Emission category: **M4**

MIF scaled E-field

|                                 |                                 |                                 |
|---------------------------------|---------------------------------|---------------------------------|
| Grid 1 <b>M4</b><br>27.23 dBV/m | Grid 2 <b>M4</b><br>27.09 dBV/m | Grid 3 <b>M4</b><br>26.08 dBV/m |
| Grid 4 <b>M4</b><br>22.82 dBV/m | Grid 5 <b>M4</b><br>23.29 dBV/m | Grid 6 <b>M4</b><br>22.65 dBV/m |
| Grid 7 <b>M4</b><br>20.4 dBV/m  | Grid 8 <b>M4</b><br>21.19 dBV/m | Grid 9 <b>M4</b><br>20.73 dBV/m |



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

## HAC-RF Emission

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 - SN4028; ConvF(1, 1, 1) @ 1880 MHz; Calibrated: 7/22/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/10/2020
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

## 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 = 12.22 V/m; Power Drift = -0.01 dB

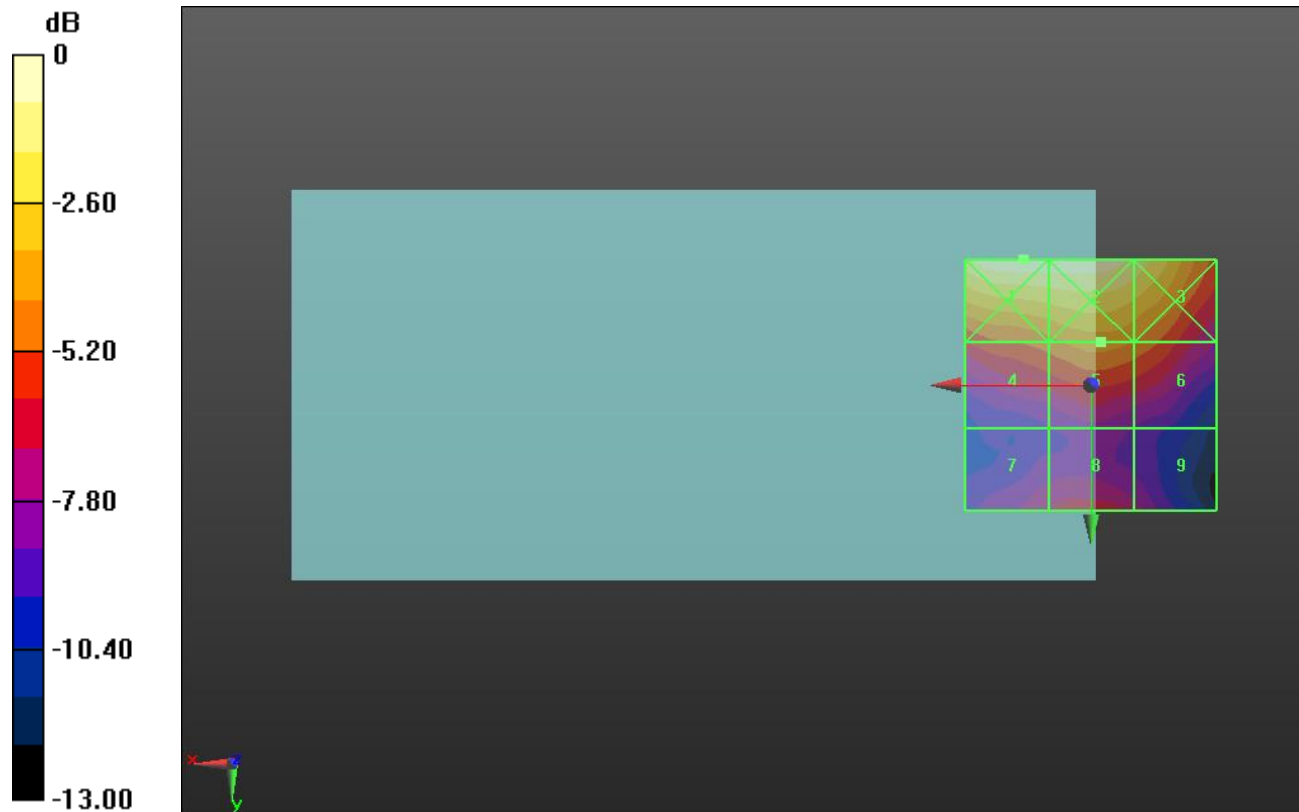
Applied MIF = 3.26 dB

RF audio interference level = 23.90 dBV/m

Emission category: **M4**

MIF scaled E-field

|                                 |                                 |                                 |
|---------------------------------|---------------------------------|---------------------------------|
| Grid 1 <b>M4</b><br>27.81 dBV/m | Grid 2 <b>M4</b><br>27.76 dBV/m | Grid 3 <b>M4</b><br>26.74 dBV/m |
| Grid 4 <b>M4</b><br>23.12 dBV/m | Grid 5 <b>M4</b><br>23.9 dBV/m  | Grid 6 <b>M4</b><br>23.42 dBV/m |
| Grid 7 <b>M4</b><br>20.82 dBV/m | Grid 8 <b>M4</b><br>21.45 dBV/m | Grid 9 <b>M4</b><br>20.52 dBV/m |



0 dB = 24.57 V/m = 27.81 dBV/m

## HAC-RF Emission

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 - SN4028; ConvF(1, 1, 1) @ 1908.75 MHz; Calibrated: 7/22/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/10/2020
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

## 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 = 12.56 V/m; Power Drift = -0.01 dB

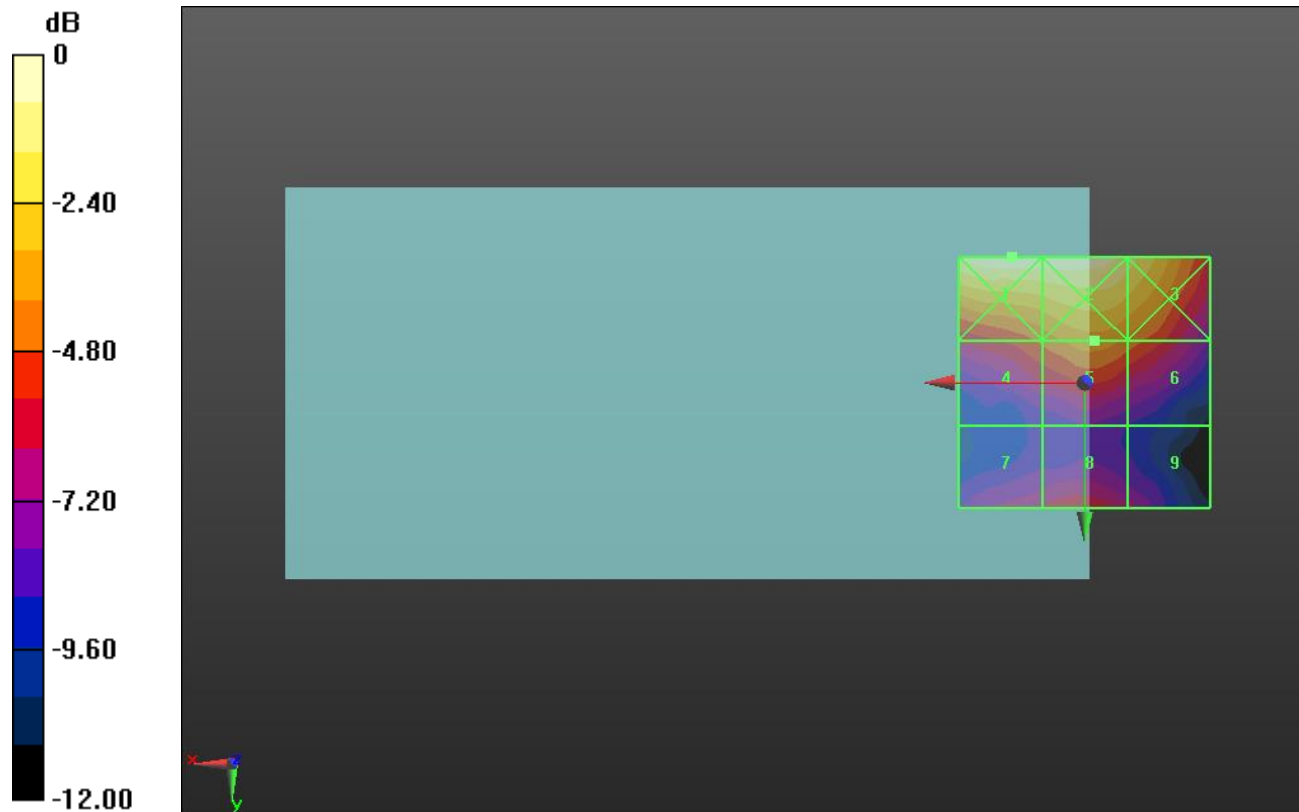
Applied MIF = 3.26 dB

RF audio interference level = 24.26 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                 |                                 |                                 |
|---------------------------------|---------------------------------|---------------------------------|
| Grid 1 <b>M4</b><br>27.79 dBV/m | Grid 2 <b>M4</b><br>27.7 dBV/m  | Grid 3 <b>M4</b><br>26.65 dBV/m |
| Grid 4 <b>M4</b><br>23.21 dBV/m | Grid 5 <b>M4</b><br>24.26 dBV/m | Grid 6 <b>M4</b><br>23.55 dBV/m |
| Grid 7 <b>M4</b><br>21.52 dBV/m | Grid 8 <b>M4</b><br>22.17 dBV/m | Grid 9 <b>M4</b><br>21.11 dBV/m |



0 dB = 24.51 V/m = 27.79 dBV/m

## HAC-RF Emission

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 - SN4028; ConvF(1, 1, 1) @ 817.3 MHz; Calibrated: 7/22/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/10/2020
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

## 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 = 45.34 V/m; Power Drift = -0.01 dB

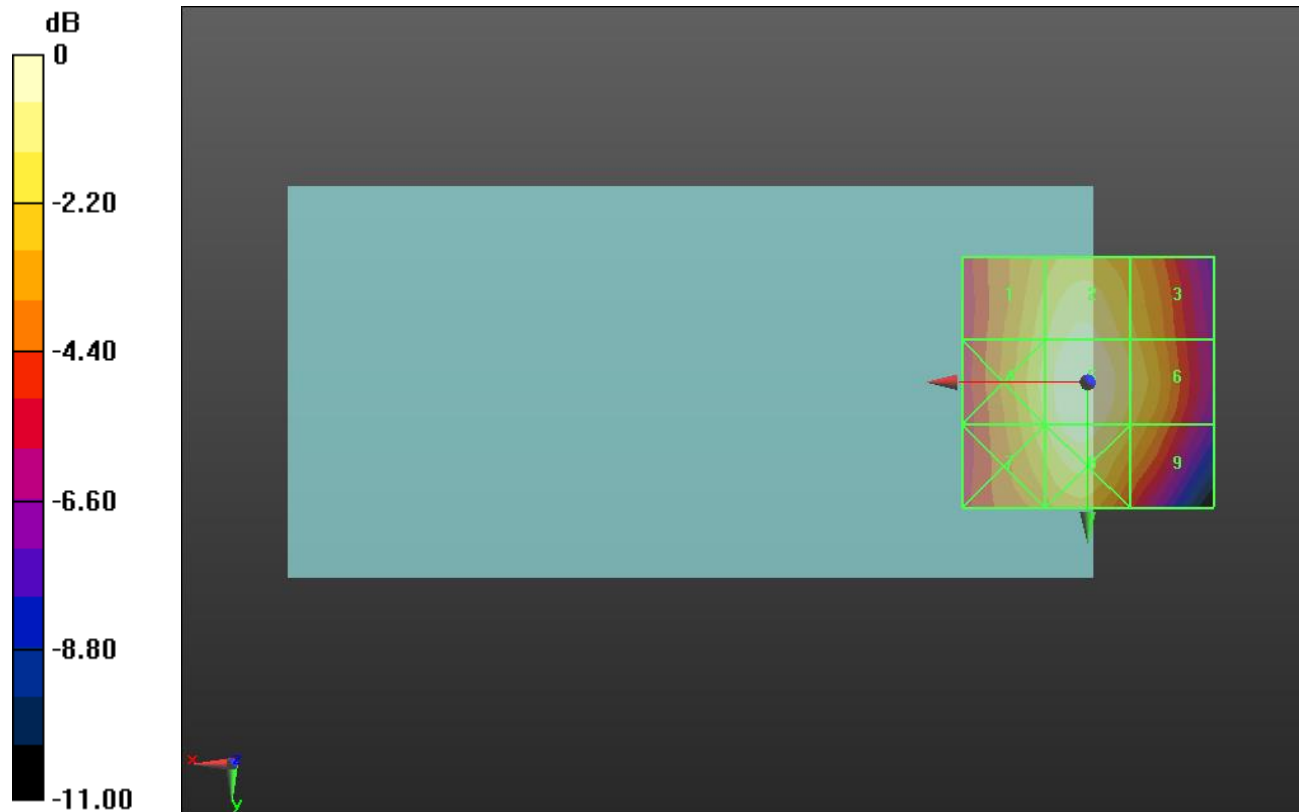
Applied MIF = 3.26 dB

RF audio interference level = 30.88 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>30.41 dBV/m</b> | Grid 3 <b>M4</b><br><b>29.04 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>29.72 dBV/m</b> | Grid 5 <b>M4</b><br><b>30.88 dBV/m</b> | Grid 6 <b>M4</b><br><b>29.55 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>29.35 dBV/m</b> | Grid 8 <b>M4</b><br><b>30.46 dBV/m</b> | Grid 9 <b>M4</b><br><b>28.93 dBV/m</b> |



0 dB = 35.00 V/m = 30.88 dBV/m

## HAC-RF Emission

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 - SN4028; ConvF(1, 1, 1) @ 820 MHz; Calibrated: 7/22/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/10/2020
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

## 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 = 45.86 V/m; Power Drift = 0.03 dB

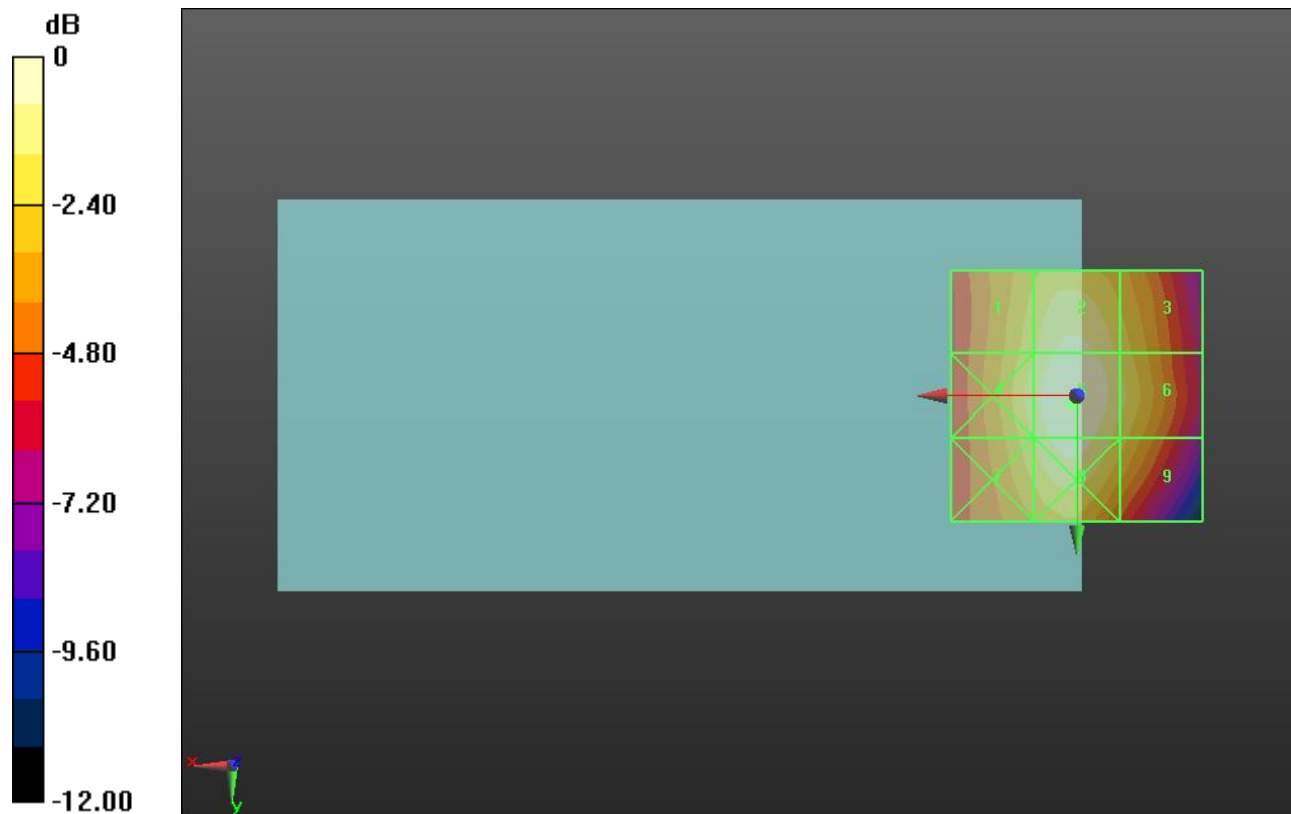
Applied MIF = 3.26 dB

RF audio interference level = 30.96 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>30.49 dBV/m</b> | Grid 3 <b>M4</b><br><b>29.19 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>29.87 dBV/m</b> | Grid 5 <b>M4</b><br><b>30.96 dBV/m</b> | Grid 6 <b>M4</b><br><b>29.69 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>29.4 dBV/m</b>  | Grid 8 <b>M4</b><br><b>30.57 dBV/m</b> | Grid 9 <b>M4</b><br><b>29 dBV/m</b>    |



0 dB = 35.31 V/m = 30.96 dBV/m

## HAC-RF Emission

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 - SN4028; ConvF(1, 1, 1) @ 822.75 MHz; Calibrated: 7/22/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/10/2020
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

## 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 = 43.06 V/m; Power Drift = -0.01 dB

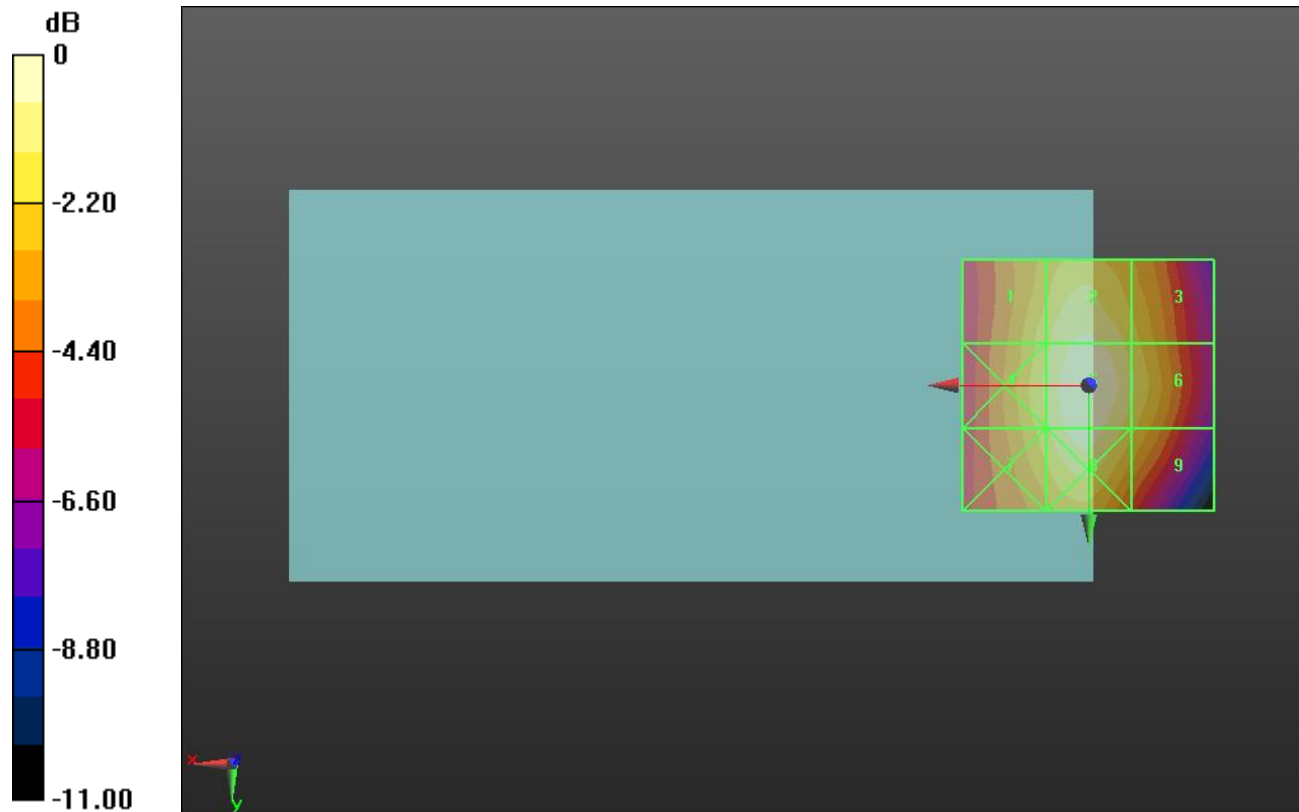
Applied MIF = 3.26 dB

RF audio interference level = 30.50 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                       |                                        |
|----------------------------------------|---------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>28.86 dBV/m</b> | Grid 2 <b>M4</b><br><b>29.9 dBV/m</b> | Grid 3 <b>M4</b><br><b>28.7 dBV/m</b>  |
| Grid 4 <b>M4</b><br><b>29.22 dBV/m</b> | Grid 5 <b>M4</b><br><b>30.5 dBV/m</b> | Grid 6 <b>M4</b><br><b>29.18 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>28.86 dBV/m</b> | Grid 8 <b>M4</b><br><b>30.1 dBV/m</b> | Grid 9 <b>M4</b><br><b>28.55 dBV/m</b> |



0 dB = 33.49 V/m = 30.50 dBV/m

## HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1) @ 2506 MHz; Calibrated: 7/22/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/10/2020
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

### 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 = 48.78 V/m; Power Drift = 0.01 dB

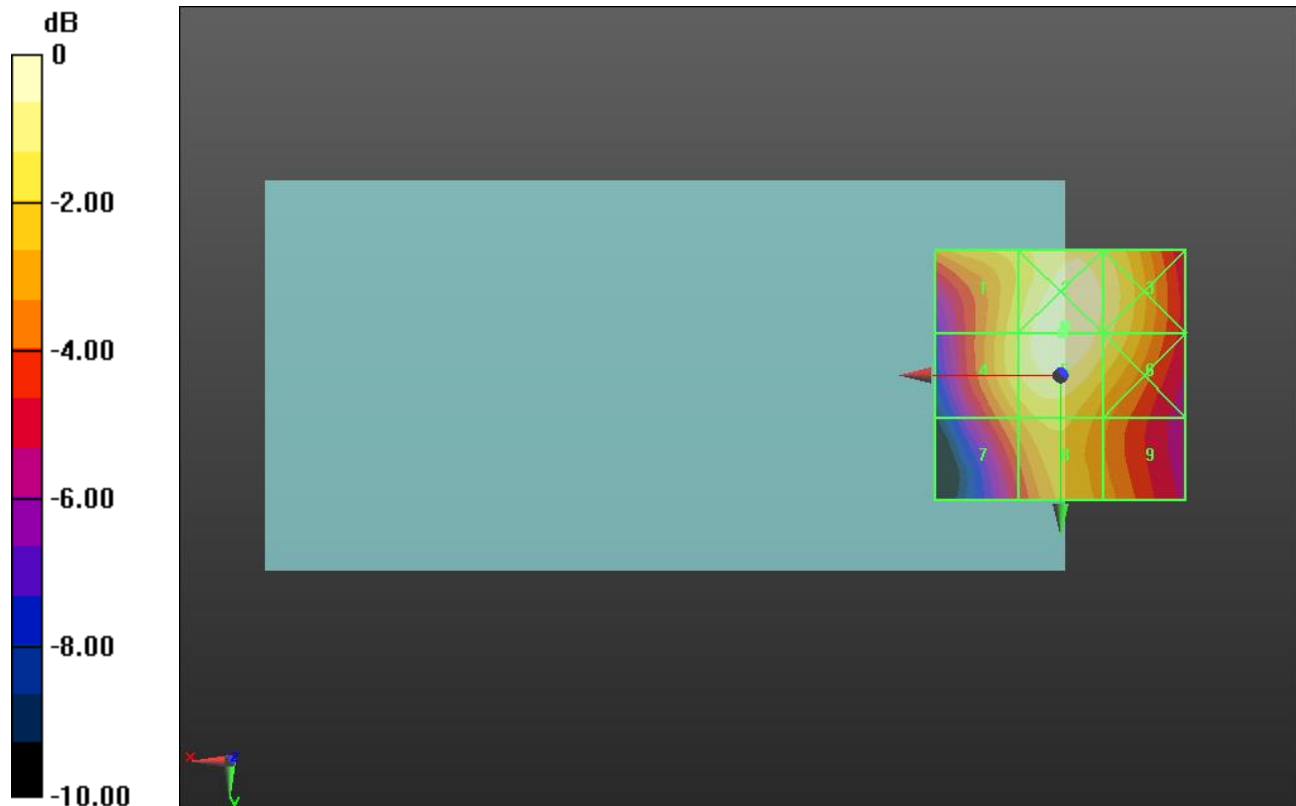
Applied MIF = -1.44 dB

RF audio interference level = 29.86 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>28.56 dBV/m</b> | Grid 2 <b>M4</b><br><b>29.88 dBV/m</b> | Grid 3 <b>M4</b><br><b>29.18 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>28.66 dBV/m</b> | Grid 5 <b>M4</b><br><b>29.86 dBV/m</b> | Grid 6 <b>M4</b><br><b>28.93 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>27.18 dBV/m</b> | Grid 8 <b>M4</b><br><b>28.12 dBV/m</b> | Grid 9 <b>M4</b><br><b>26.97 dBV/m</b> |



0 dB = 31.18 V/m = 29.88 dBV/m

## HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1) @ 2549.5 MHz; Calibrated: 7/22/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/10/2020
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

### 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 = 51.43 V/m; Power Drift = 0.00 dB

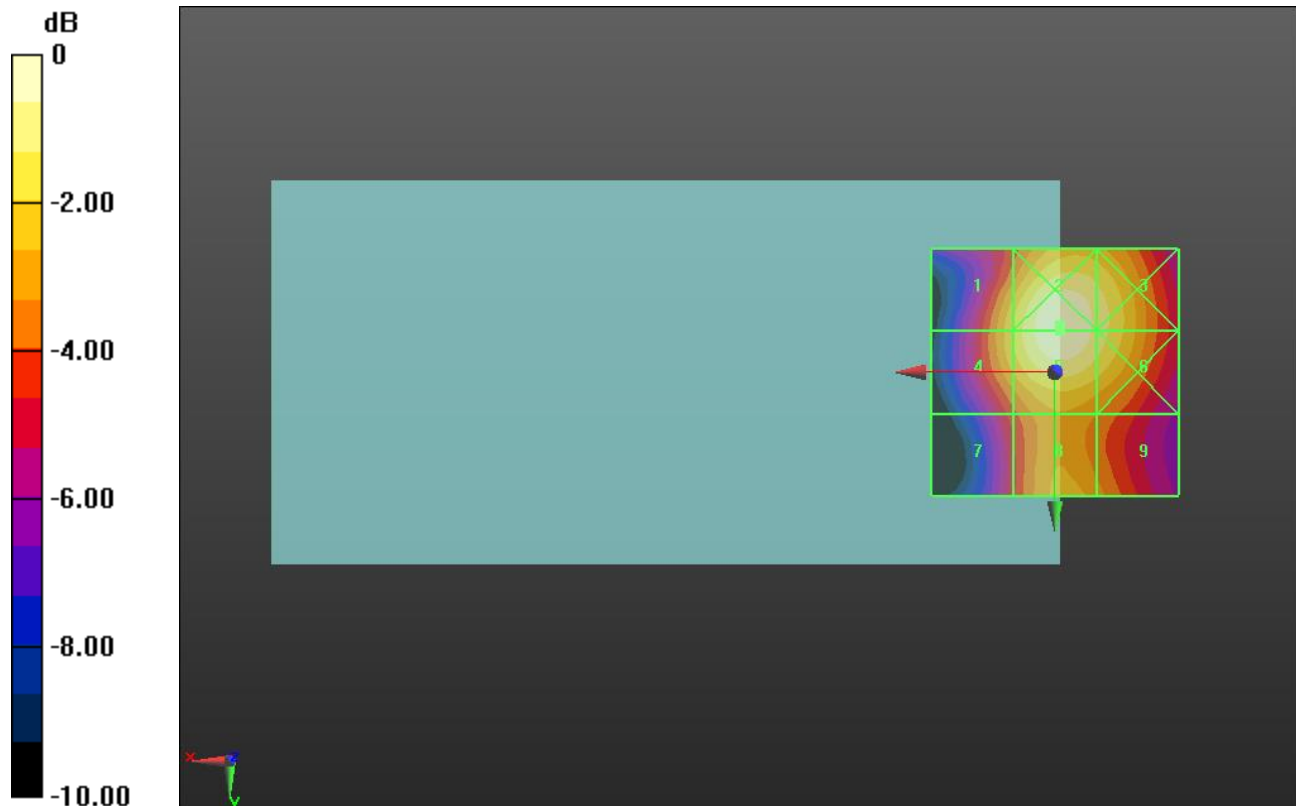
Applied MIF = -1.44 dB

RF audio interference level = 30.28 dBV/m

**Emission category: M3**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>28.36 dBV/m</b> | Grid 2 <b>M3</b><br><b>30.3 dBV/m</b>  | Grid 3 <b>M4</b><br><b>29.46 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>28.36 dBV/m</b> | Grid 5 <b>M3</b><br><b>30.28 dBV/m</b> | Grid 6 <b>M4</b><br><b>29.43 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>26.07 dBV/m</b> | Grid 8 <b>M4</b><br><b>27.91 dBV/m</b> | Grid 9 <b>M4</b><br><b>27.27 dBV/m</b> |



0 dB = 32.74 V/m = 30.30 dBV/m

## HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1) @ 2593 MHz; Calibrated: 7/22/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/10/2020
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

### 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 = 59.46 V/m; Power Drift = -0.00 dB

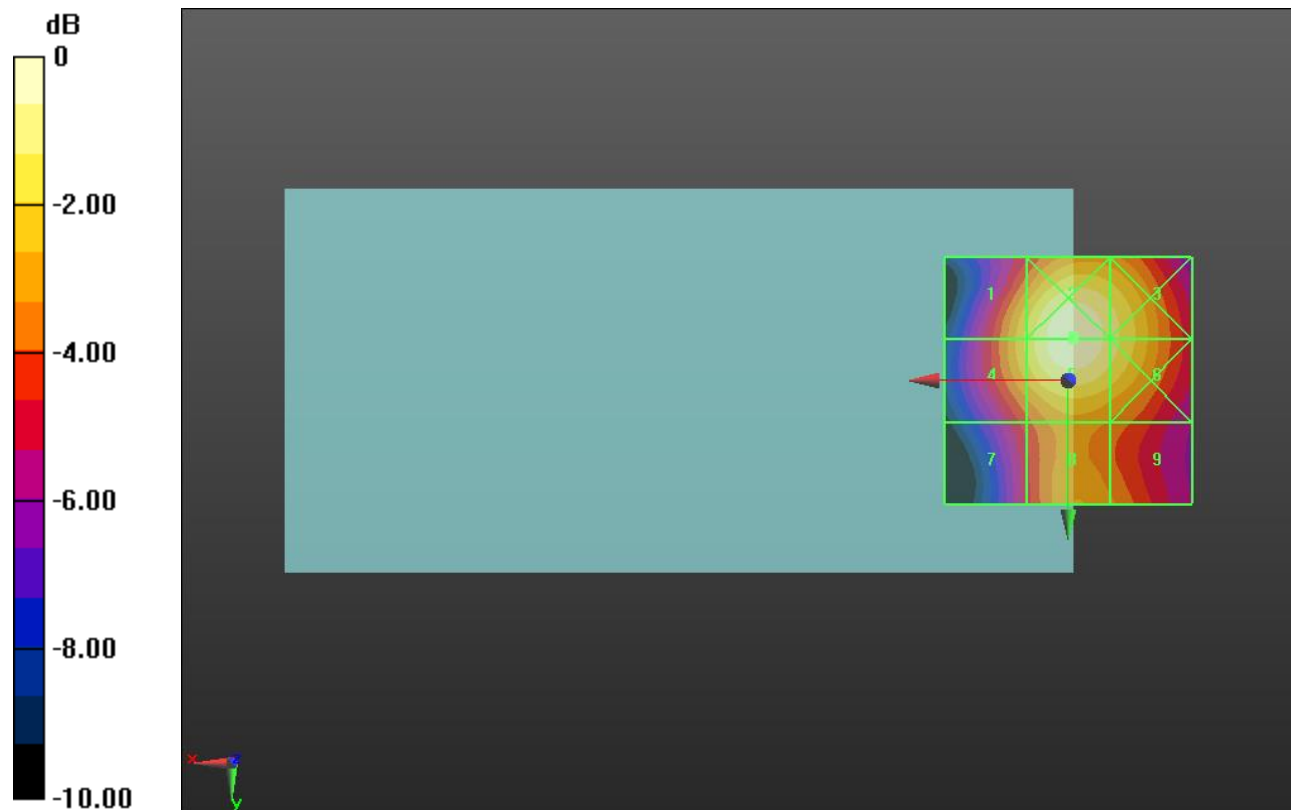
Applied MIF = -1.44 dB

RF audio interference level = 31.41 dBV/m

**Emission category: M3**

MIF scaled E-field

|                                 |                                 |                                 |
|---------------------------------|---------------------------------|---------------------------------|
| Grid 1 <b>M4</b><br>29.6 dBV/m  | Grid 2 <b>M3</b><br>31.42 dBV/m | Grid 3 <b>M3</b><br>30.46 dBV/m |
| Grid 4 <b>M4</b><br>29.6 dBV/m  | Grid 5 <b>M3</b><br>31.41 dBV/m | Grid 6 <b>M3</b><br>30.46 dBV/m |
| Grid 7 <b>M4</b><br>27.17 dBV/m | Grid 8 <b>M4</b><br>28.81 dBV/m | Grid 9 <b>M4</b><br>28.28 dBV/m |



0 dB = 37.24 V/m = 31.42 dBV/m

## HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1) @ 2636.5 MHz; Calibrated: 7/22/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/10/2020
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

### 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 = 62.96 V/m; Power Drift = 0.01 dB

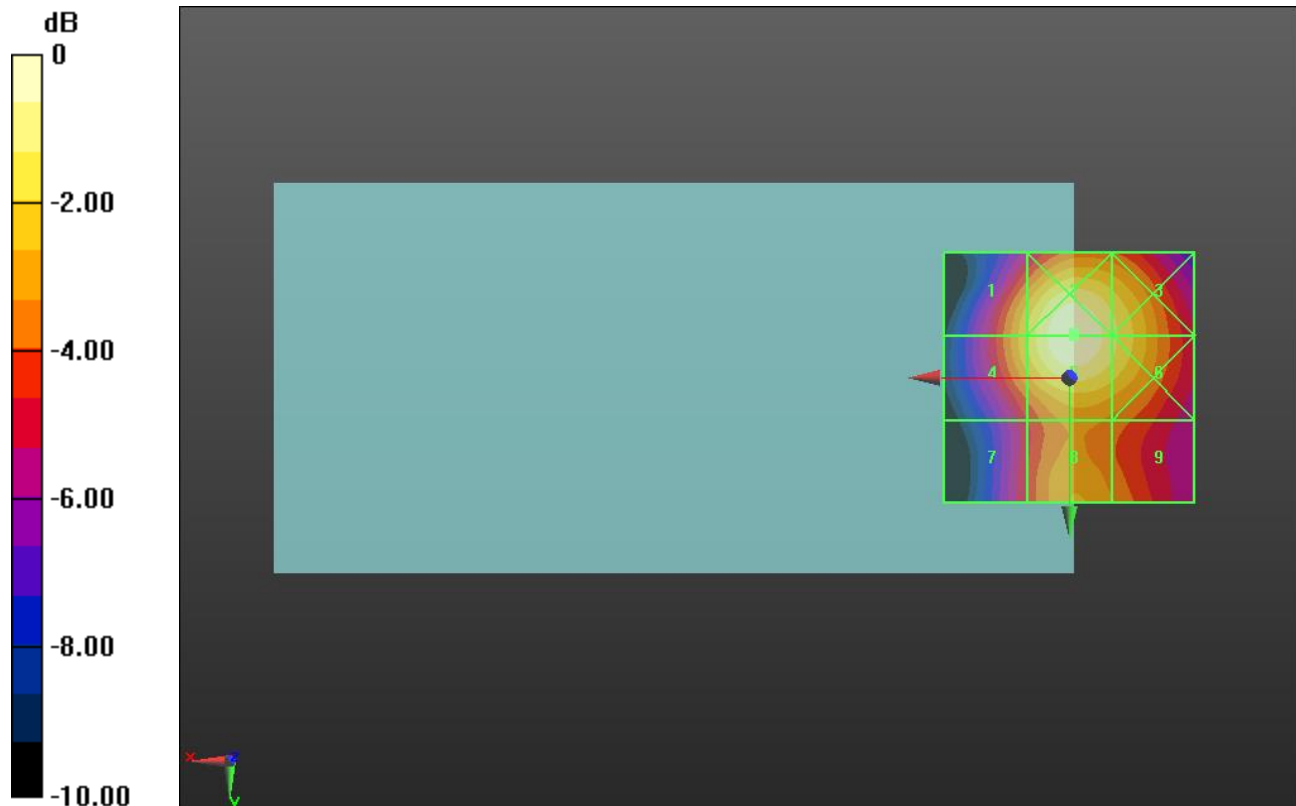
Applied MIF = -1.44 dB

RF audio interference level = 31.70 dBV/m

**Emission category: M3**

MIF scaled E-field

|                                 |                                 |                                 |
|---------------------------------|---------------------------------|---------------------------------|
| Grid 1 <b>M4</b><br>29.74 dBV/m | Grid 2 <b>M3</b><br>31.7 dBV/m  | Grid 3 <b>M3</b><br>30.62 dBV/m |
| Grid 4 <b>M4</b><br>29.74 dBV/m | Grid 5 <b>M3</b><br>31.7 dBV/m  | Grid 6 <b>M3</b><br>30.62 dBV/m |
| Grid 7 <b>M4</b><br>27.14 dBV/m | Grid 8 <b>M4</b><br>29.11 dBV/m | Grid 9 <b>M4</b><br>28.47 dBV/m |



0 dB = 38.45 V/m = 31.70 dBV/m

## HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1) @ 2680 MHz; Calibrated: 7/22/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/10/2020
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

### 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 = 61.96 V/m; Power Drift = 0.01 dB

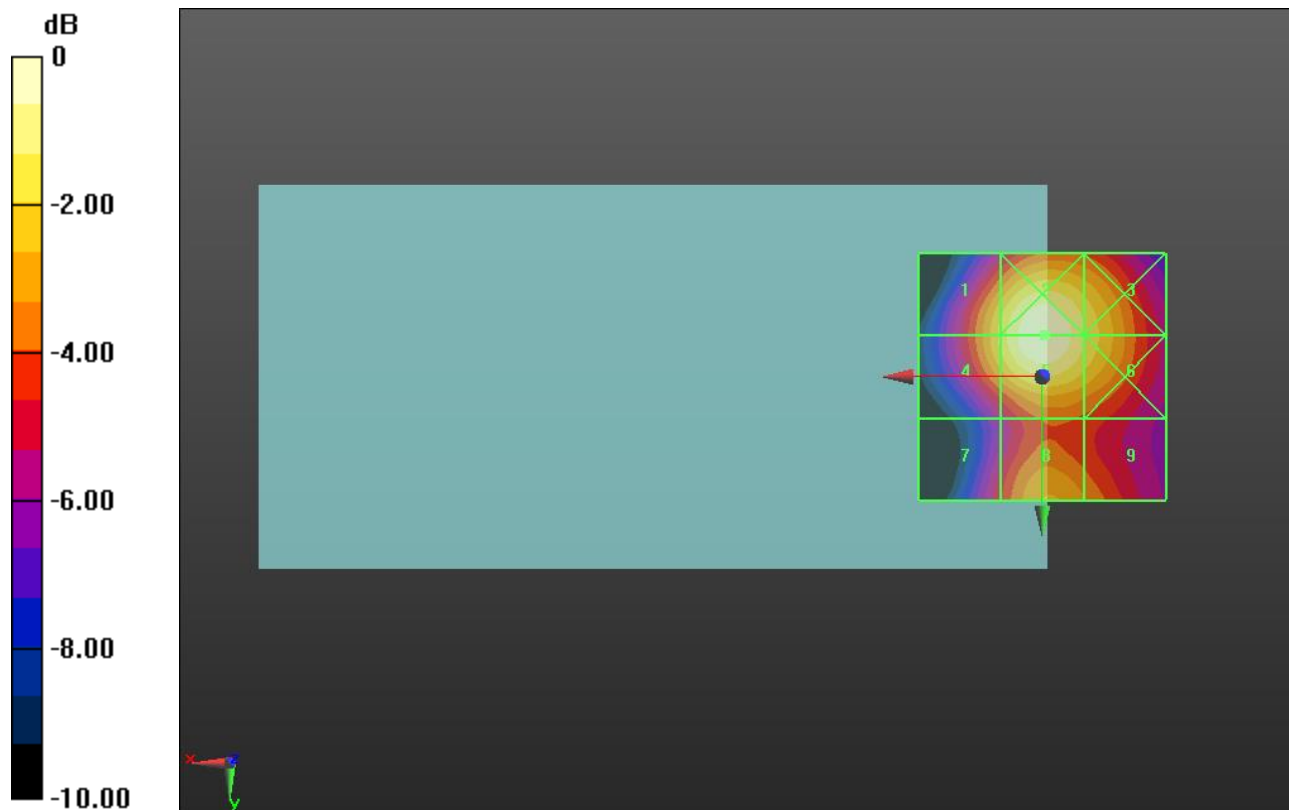
Applied MIF = -1.44 dB

RF audio interference level = 31.43 dBV/m

**Emission category: M3**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>29.63 dBV/m</b> | Grid 2 <b>M3</b><br><b>31.43 dBV/m</b> | Grid 3 <b>M3</b><br><b>30.13 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>29.63 dBV/m</b> | Grid 5 <b>M3</b><br><b>31.43 dBV/m</b> | Grid 6 <b>M3</b><br><b>30.13 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>26.74 dBV/m</b> | Grid 8 <b>M4</b><br><b>28.86 dBV/m</b> | Grid 9 <b>M4</b><br><b>28.19 dBV/m</b> |



0 dB = 37.27 V/m = 31.43 dBV/m

## HAC-RF Emission

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 - SN4028; ConvF(1, 1, 1) @ 1850.2 MHz; Calibrated: 7/22/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/10/2020
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

## 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 = 14.90 V/m; Power Drift = -0.03 dB

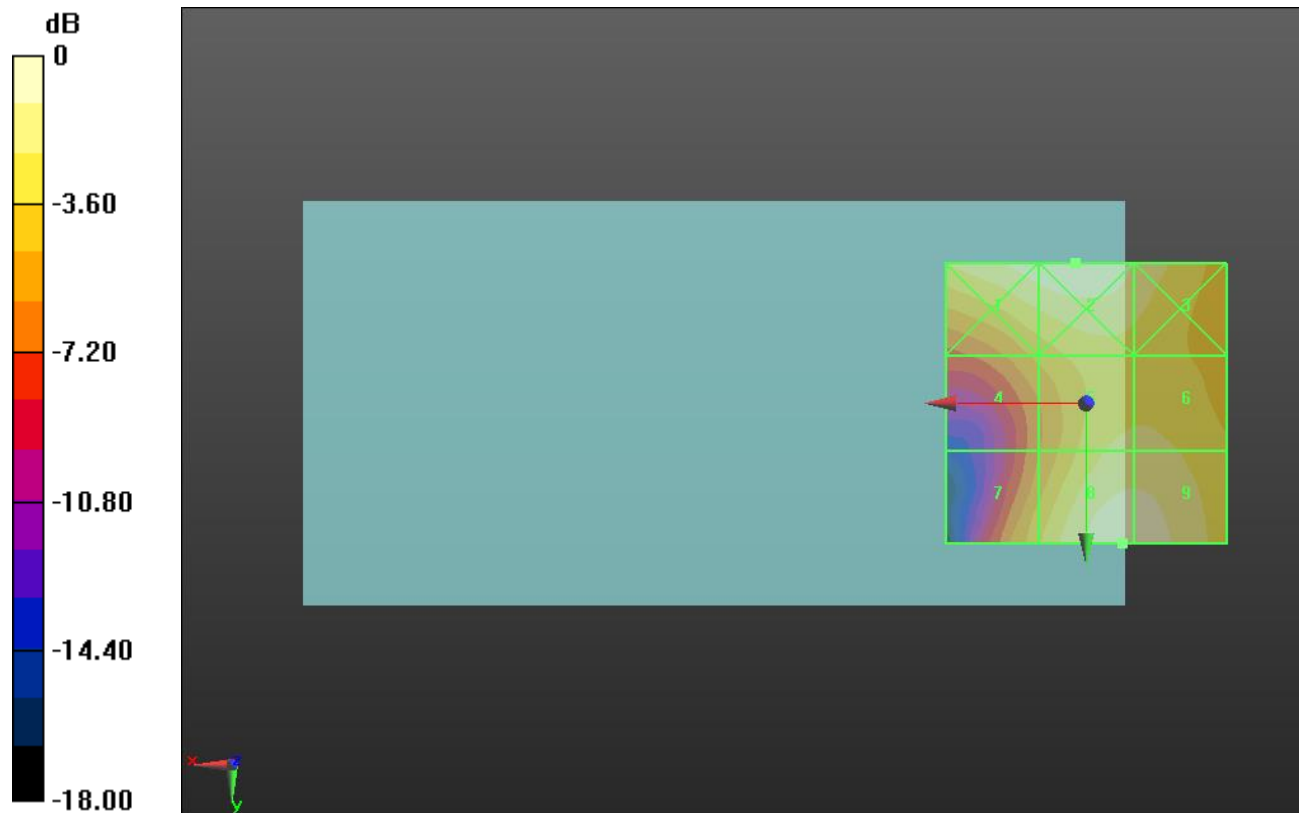
Applied MIF = 3.63 dB

RF audio interference level = 28.11 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>28.06 dBV/m</b> | Grid 2 <b>M4</b><br><b>28.5 dBV/m</b>  | Grid 3 <b>M4</b><br><b>27.32 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>24.05 dBV/m</b> | Grid 5 <b>M4</b><br><b>26.57 dBV/m</b> | Grid 6 <b>M4</b><br><b>26.58 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>24.76 dBV/m</b> | Grid 8 <b>M4</b><br><b>28.11 dBV/m</b> | Grid 9 <b>M4</b><br><b>28.02 dBV/m</b> |



0 dB = 26.59 V/m = 28.49 dBV/m

## HAC-RF Emission

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 - SN4028; ConvF(1, 1, 1) @ 1880 MHz; Calibrated: 7/22/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/10/2020
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

## 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 = 16.33 V/m; Power Drift = -0.02 dB

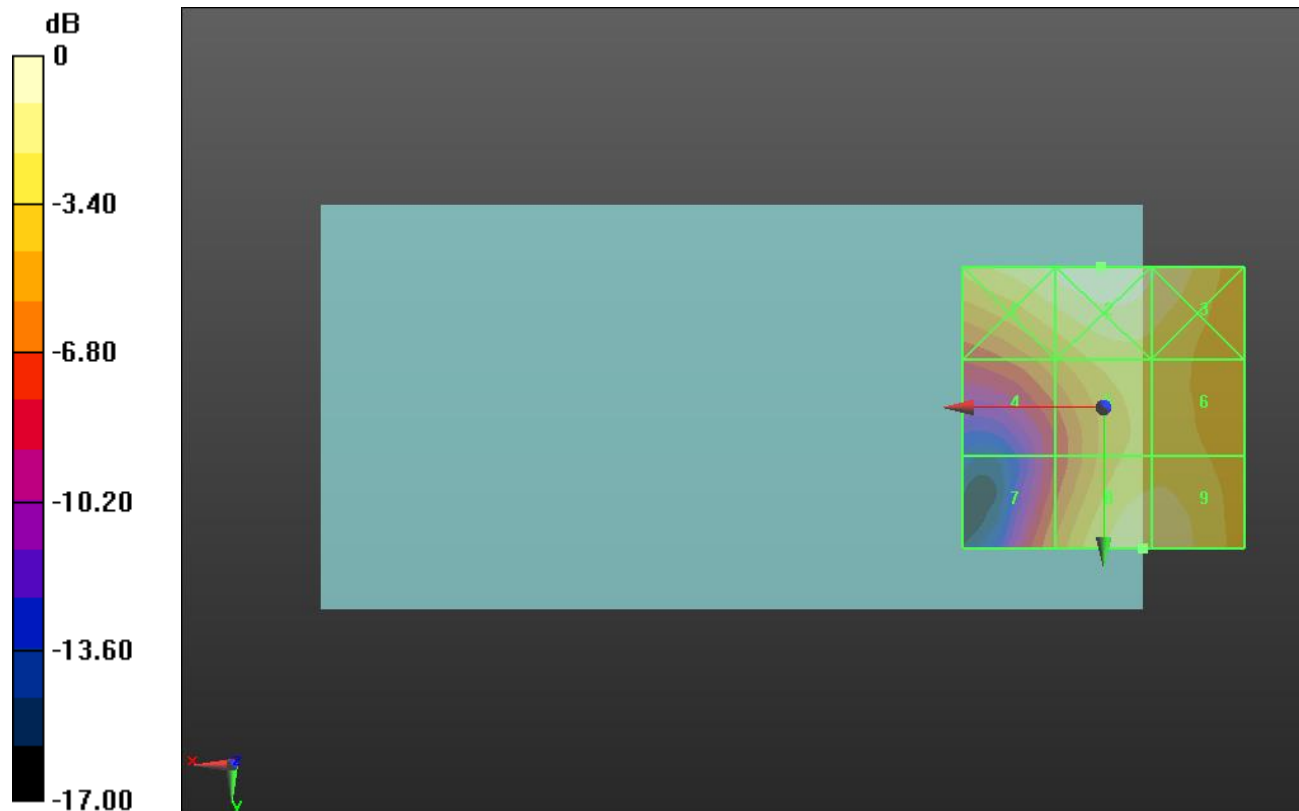
Applied MIF = 3.63 dB

RF audio interference level = 28.13 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>28.94 dBV/m</b> | Grid 2 <b>M4</b><br><b>29.63 dBV/m</b> | Grid 3 <b>M4</b><br><b>28.8 dBV/m</b>  |
| Grid 4 <b>M4</b><br><b>24.89 dBV/m</b> | Grid 5 <b>M4</b><br><b>26.95 dBV/m</b> | Grid 6 <b>M4</b><br><b>26.91 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>24.26 dBV/m</b> | Grid 8 <b>M4</b><br><b>28.13 dBV/m</b> | Grid 9 <b>M4</b><br><b>28.11 dBV/m</b> |



0 dB = 30.29 V/m = 29.63 dBV/m

## HAC-RF Emission

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 - SN4028; ConvF(1, 1, 1) @ 1909.8 MHz; Calibrated: 7/22/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/10/2020
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

## 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 = 15.37 V/m; Power Drift = -0.04 dB

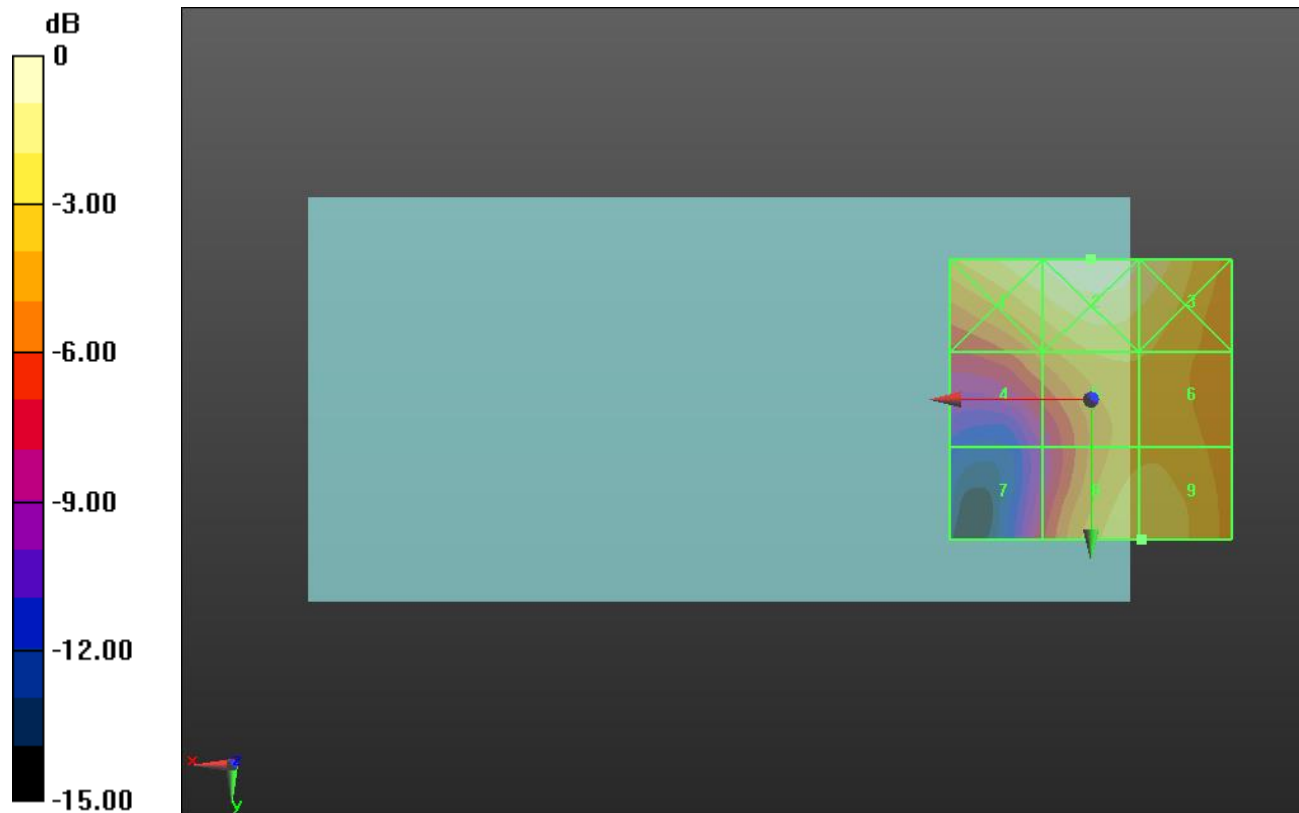
Applied MIF = 3.63 dB

RF audio interference level = 27.06 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>28.55 dBV/m</b> | Grid 2 <b>M4</b><br><b>29.26 dBV/m</b> | Grid 3 <b>M4</b><br><b>28.33 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>24.76 dBV/m</b> | Grid 5 <b>M4</b><br><b>26.51 dBV/m</b> | Grid 6 <b>M4</b><br><b>26.4 dBV/m</b>  |
| Grid 7 <b>M4</b><br><b>22.18 dBV/m</b> | Grid 8 <b>M4</b><br><b>27.06 dBV/m</b> | Grid 9 <b>M4</b><br><b>27.06 dBV/m</b> |



0 dB = 29.04 V/m = 29.26 dBV/m

## HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1) @ 2506 MHz; Calibrated: 7/22/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/10/2020
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

### 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 = 12.58 V/m; Power Drift = 0.05 dB

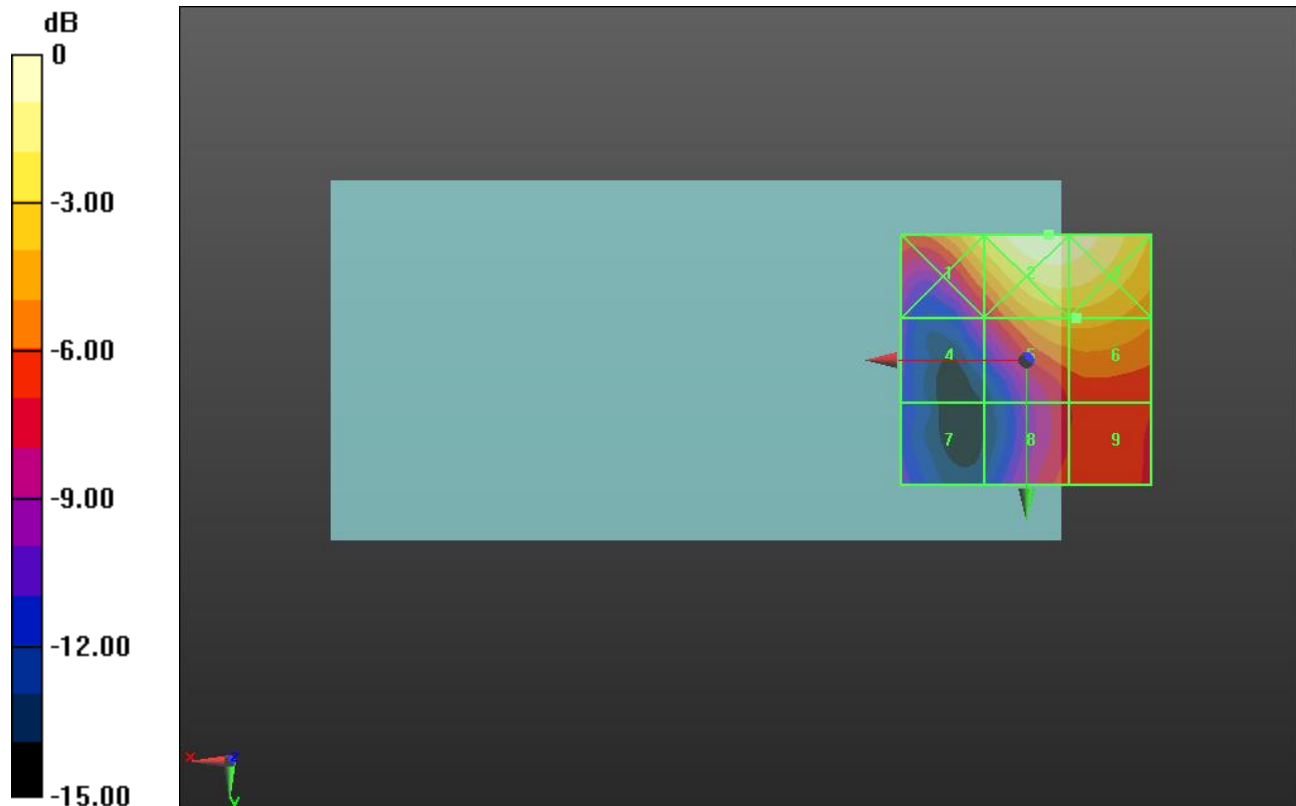
Applied MIF = -1.44 dB

RF audio interference level = 22.42 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>23.73 dBV/m</b> | Grid 2 <b>M4</b><br><b>25.87 dBV/m</b> | Grid 3 <b>M4</b><br><b>25.64 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>17.74 dBV/m</b> | Grid 5 <b>M4</b><br><b>22.4 dBV/m</b>  | Grid 6 <b>M4</b><br><b>22.42 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>15.64 dBV/m</b> | Grid 8 <b>M4</b><br><b>19.36 dBV/m</b> | Grid 9 <b>M4</b><br><b>19.66 dBV/m</b> |



0 dB = 19.65 V/m = 25.87 dBV/m

## HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1) @ 2549.5 MHz; Calibrated: 7/22/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/10/2020
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

### 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 = 16.43 V/m; Power Drift = -0.05 dB

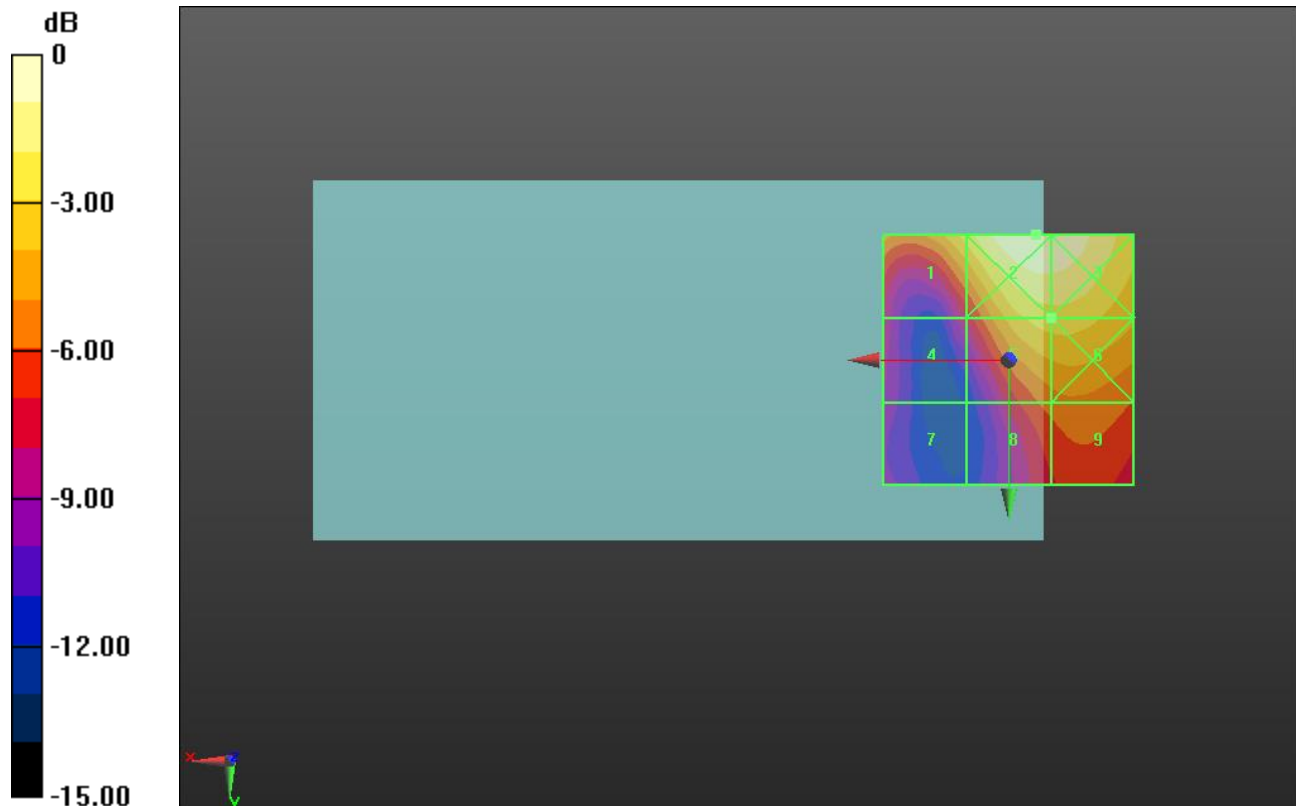
Applied MIF = -1.44 dB

RF audio interference level = 24.08 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>24.05 dBV/m</b> | Grid 2 <b>M4</b><br><b>26.53 dBV/m</b> | Grid 3 <b>M4</b><br><b>26.38 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>18.78 dBV/m</b> | Grid 5 <b>M4</b><br><b>24.08 dBV/m</b> | Grid 6 <b>M4</b><br><b>24.12 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>17.3 dBV/m</b>  | Grid 8 <b>M4</b><br><b>21.02 dBV/m</b> | Grid 9 <b>M4</b><br><b>21.35 dBV/m</b> |



0 dB = 21.21 V/m = 26.53 dBV/m

## HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1) @ 2593 MHz; Calibrated: 7/22/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/10/2020
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

### 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 = 18.31 V/m; Power Drift = -0.02 dB

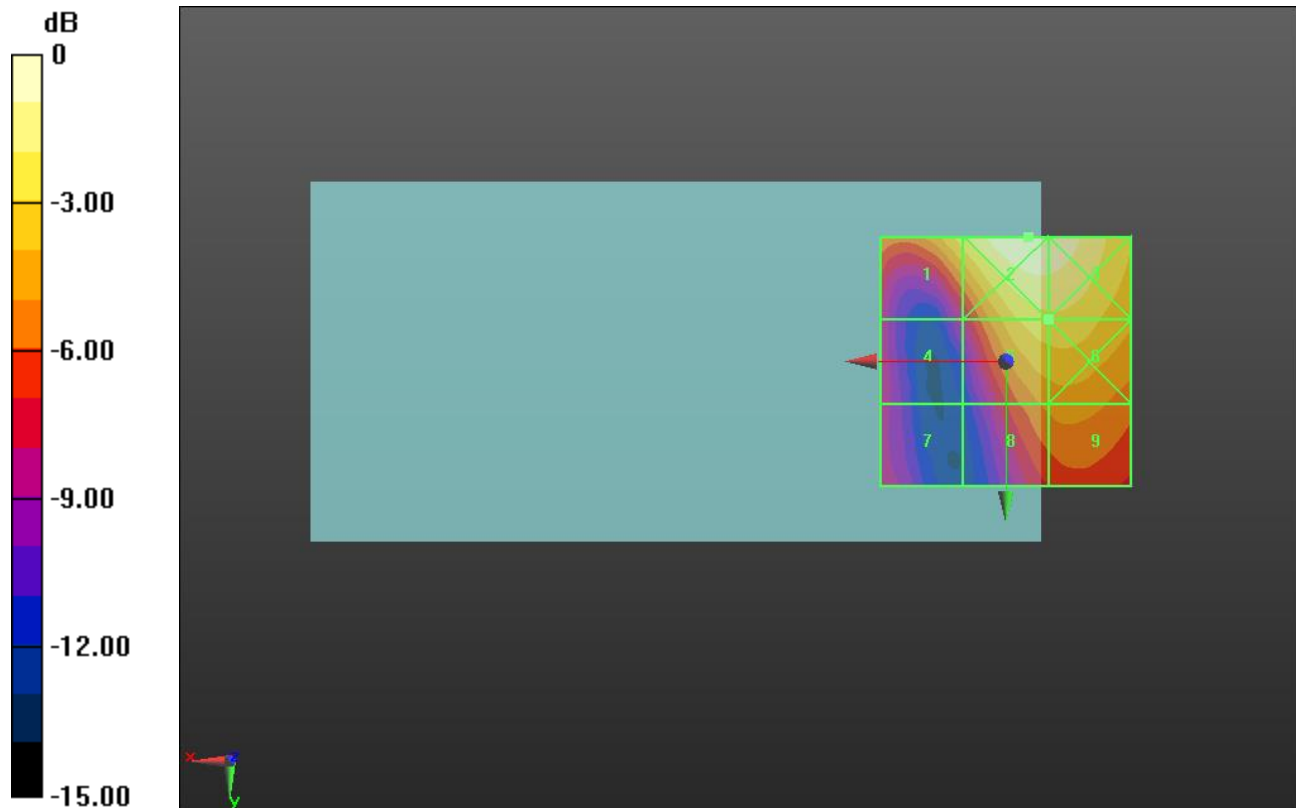
Applied MIF = -1.44 dB

RF audio interference level = 24.42 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>24.39 dBV/m</b> | Grid 2 <b>M4</b><br><b>26.67 dBV/m</b> | Grid 3 <b>M4</b><br><b>26.47 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>18.84 dBV/m</b> | Grid 5 <b>M4</b><br><b>24.42 dBV/m</b> | Grid 6 <b>M4</b><br><b>24.46 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>18.37 dBV/m</b> | Grid 8 <b>M4</b><br><b>21.95 dBV/m</b> | Grid 9 <b>M4</b><br><b>22.2 dBV/m</b>  |



0 dB = 21.55 V/m = 26.67 dBV/m

## HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1) @ 2636.5 MHz; Calibrated: 7/22/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/10/2020
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

### 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 = 17.26 V/m; Power Drift = 0.02 dB

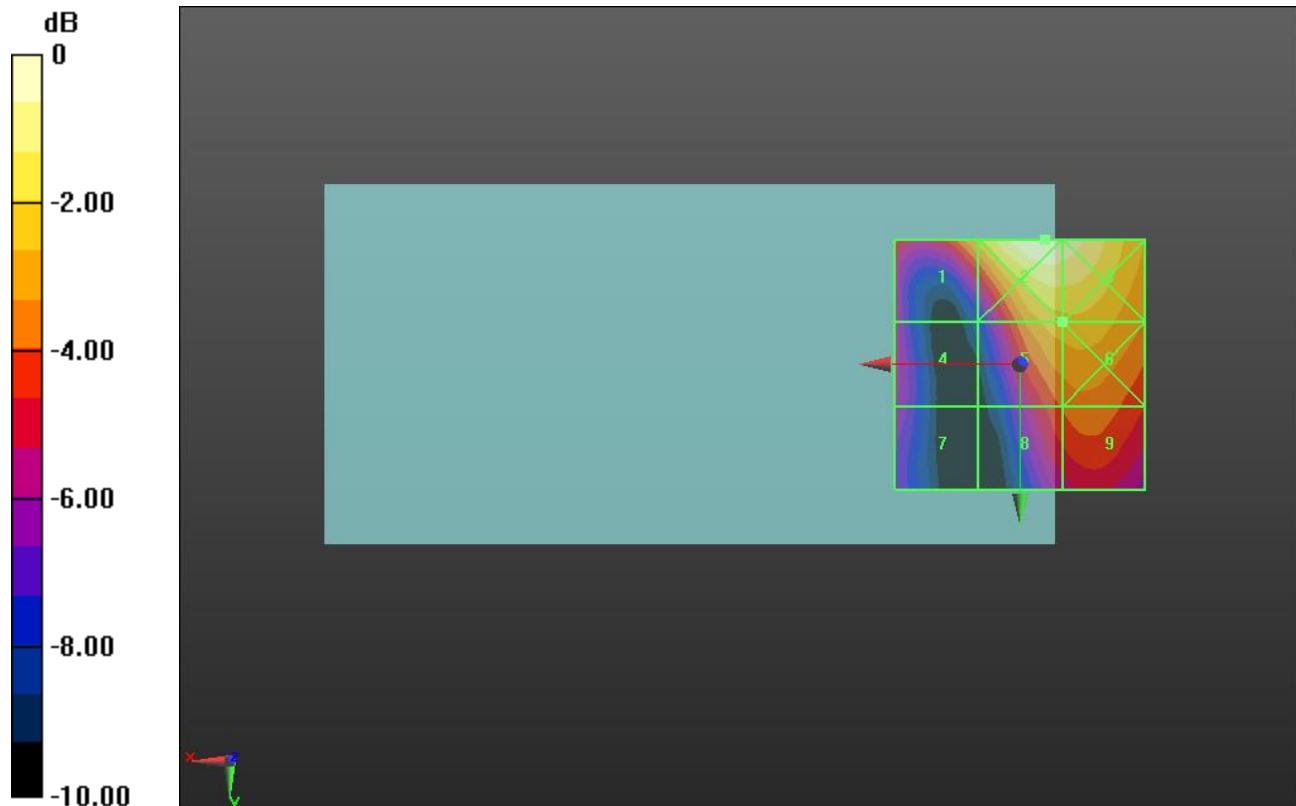
Applied MIF = -1.44 dB

RF audio interference level = 24.08 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>23.99 dBV/m</b> | Grid 2 <b>M4</b><br><b>26.3 dBV/m</b>  | Grid 3 <b>M4</b><br><b>26.09 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>20.71 dBV/m</b> | Grid 5 <b>M4</b><br><b>24.08 dBV/m</b> | Grid 6 <b>M4</b><br><b>24.14 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>20.27 dBV/m</b> | Grid 8 <b>M4</b><br><b>22.4 dBV/m</b>  | Grid 9 <b>M4</b><br><b>22.75 dBV/m</b> |



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

## HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1) @ 2680 MHz; Calibrated: 7/22/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/10/2020
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

### 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 = 16.14 V/m; Power Drift = 0.01 dB

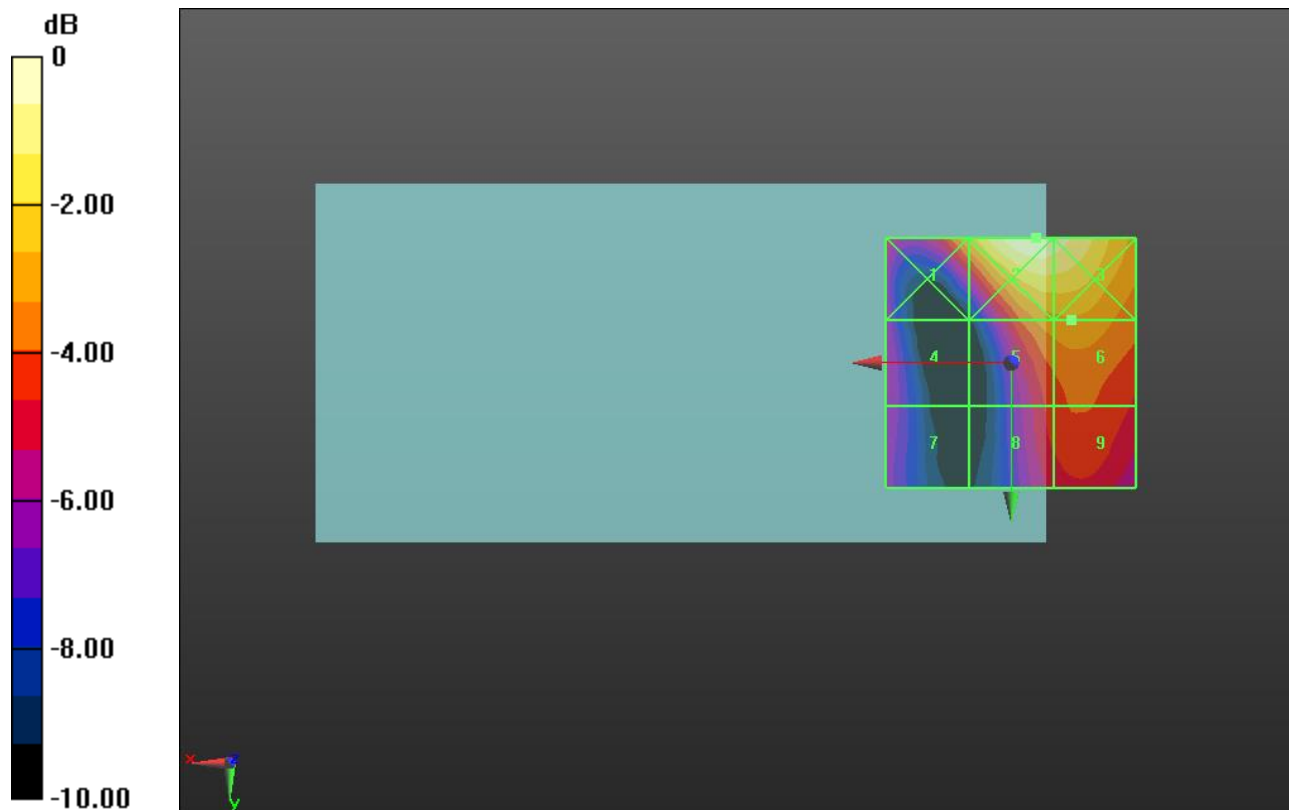
Applied MIF = -1.44 dB

RF audio interference level = 23.88 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>24.16 dBV/m</b> | Grid 2 <b>M4</b><br><b>26.62 dBV/m</b> | Grid 3 <b>M4</b><br><b>26.35 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>20.78 dBV/m</b> | Grid 5 <b>M4</b><br><b>23.75 dBV/m</b> | Grid 6 <b>M4</b><br><b>23.88 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>20.62 dBV/m</b> | Grid 8 <b>M4</b><br><b>22.3 dBV/m</b>  | Grid 9 <b>M4</b><br><b>22.7 dBV/m</b>  |



0 dB = 21.44 V/m = 26.62 dBV/m

## HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1) @ 2506 MHz; Calibrated: 7/22/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/10/2020
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

### 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 = 13.06 V/m; Power Drift = -0.04 dB

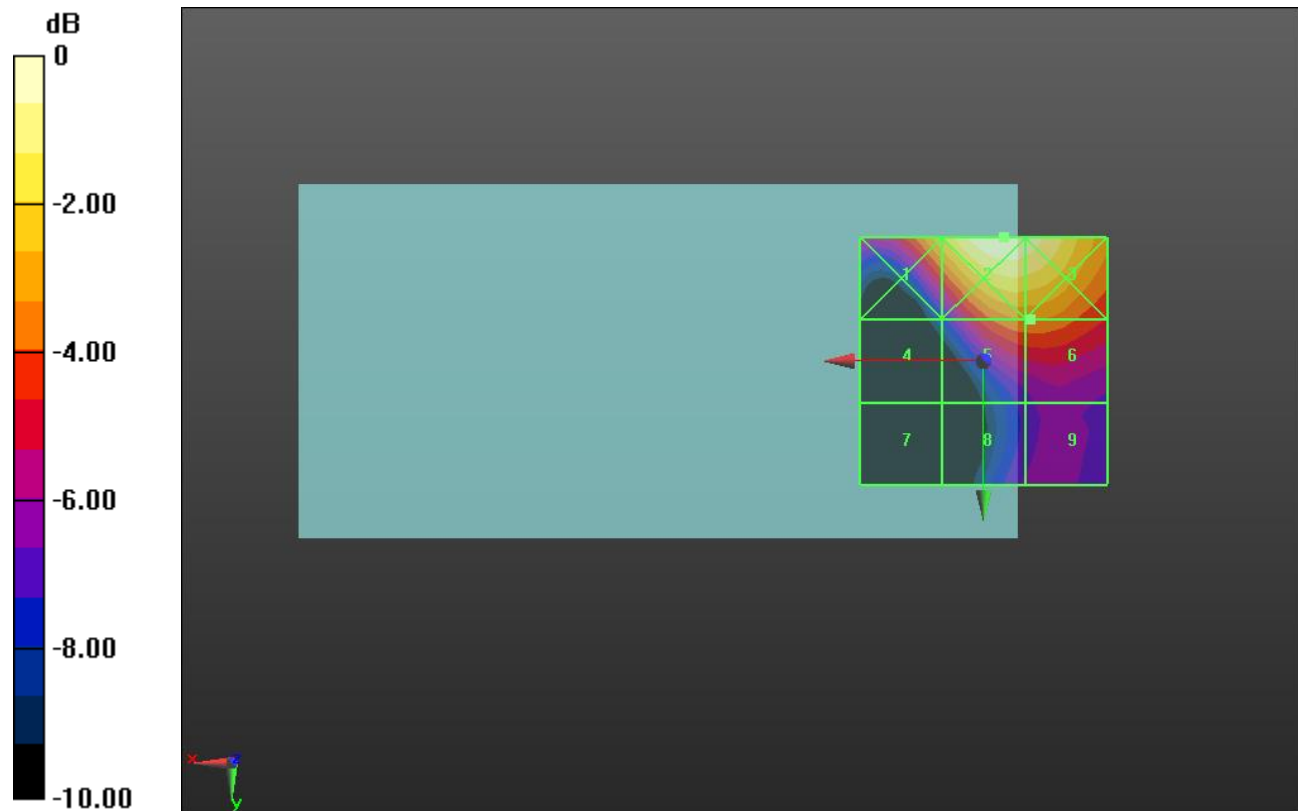
Applied MIF = -1.44 dB

RF audio interference level = 22.60 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| <b>Grid 1 M4</b><br><b>23.86 dBV/m</b> | <b>Grid 2 M4</b><br><b>25.89 dBV/m</b> | <b>Grid 3 M4</b><br><b>25.65 dBV/m</b> |
| <b>Grid 4 M4</b><br><b>18.1 dBV/m</b>  | <b>Grid 5 M4</b><br><b>22.6 dBV/m</b>  | <b>Grid 6 M4</b><br><b>22.6 dBV/m</b>  |
| <b>Grid 7 M4</b><br><b>15.78 dBV/m</b> | <b>Grid 8 M4</b><br><b>19.39 dBV/m</b> | <b>Grid 9 M4</b><br><b>19.65 dBV/m</b> |



0 dB = 19.70 V/m = 25.89 dBV/m

## HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1) @ 2549.5 MHz; Calibrated: 7/22/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/10/2020
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

### 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 = 17.10 V/m; Power Drift = -0.11 dB

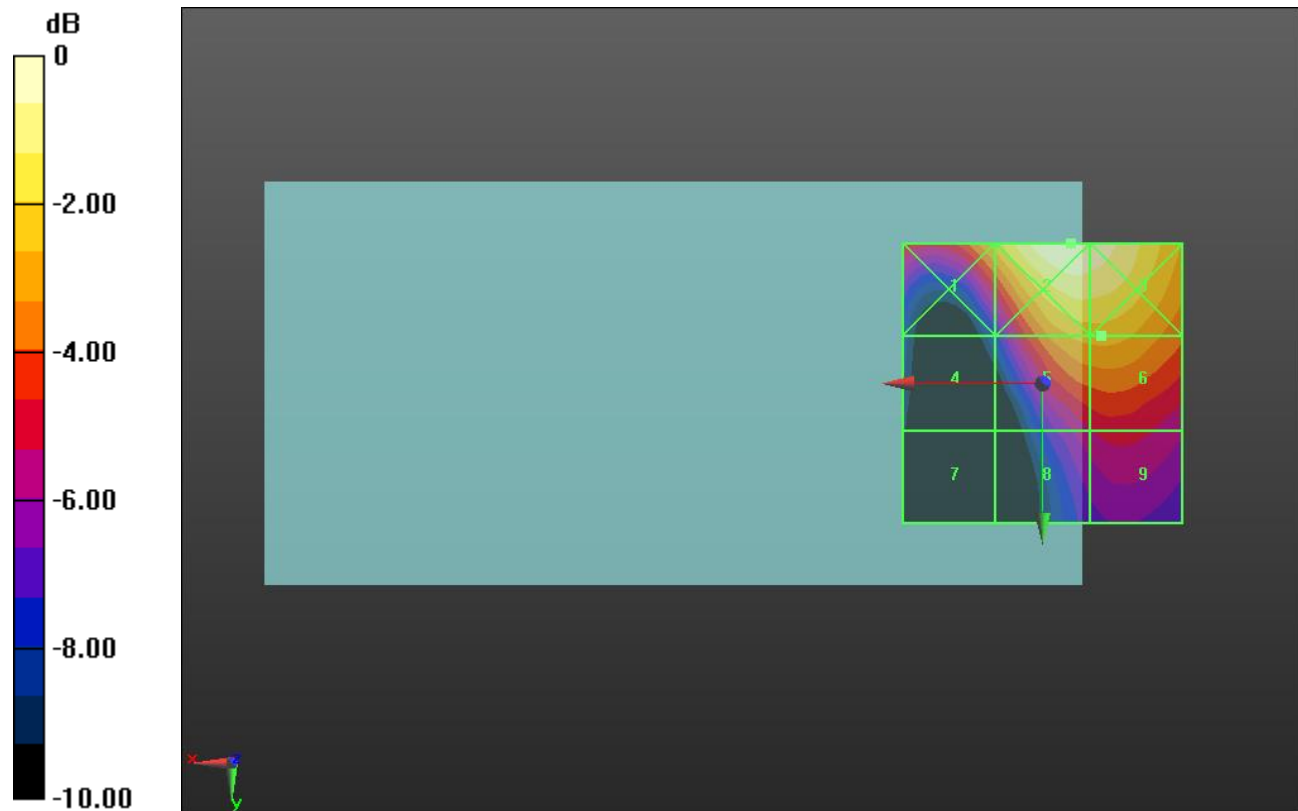
Applied MIF = -1.44 dB

RF audio interference level = 24.19 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| <b>Grid 1 M4</b><br><b>24.25 dBV/m</b> | <b>Grid 2 M4</b><br><b>26.56 dBV/m</b> | <b>Grid 3 M4</b><br><b>26.38 dBV/m</b> |
| <b>Grid 4 M4</b><br><b>18.86 dBV/m</b> | <b>Grid 5 M4</b><br><b>24.16 dBV/m</b> | <b>Grid 6 M4</b><br><b>24.19 dBV/m</b> |
| <b>Grid 7 M4</b><br><b>17.34 dBV/m</b> | <b>Grid 8 M4</b><br><b>21.19 dBV/m</b> | <b>Grid 9 M4</b><br><b>21.54 dBV/m</b> |



0 dB = 21.27 V/m = 26.56 dBV/m

## HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1) @ 2593 MHz; Calibrated: 7/22/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/10/2020
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

### 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 = 18.75 V/m; Power Drift = 0.04 dB

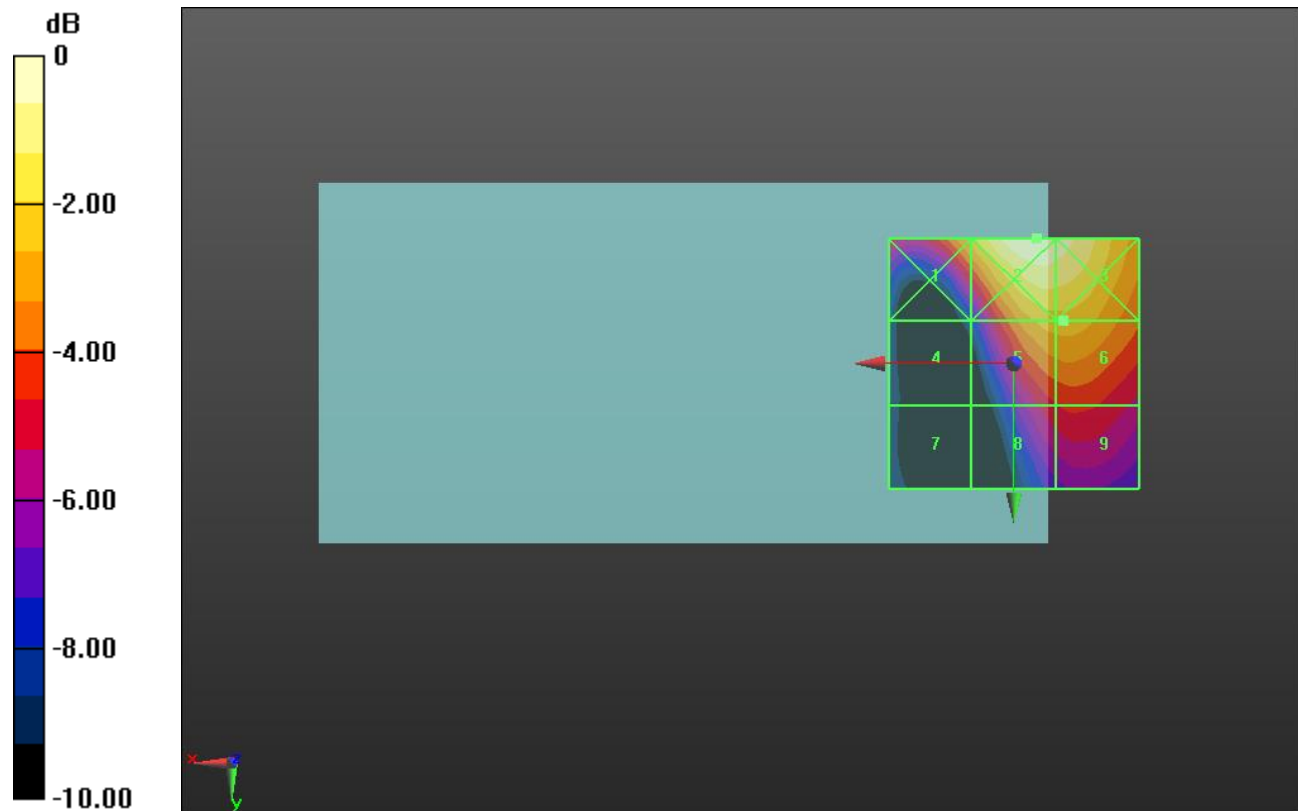
Applied MIF = -1.44 dB

RF audio interference level = 24.57 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>24.58 dBV/m</b> | Grid 2 <b>M4</b><br><b>26.83 dBV/m</b> | Grid 3 <b>M4</b><br><b>26.56 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>18.82 dBV/m</b> | Grid 5 <b>M4</b><br><b>24.55 dBV/m</b> | Grid 6 <b>M4</b><br><b>24.57 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>18.25 dBV/m</b> | Grid 8 <b>M4</b><br><b>22.12 dBV/m</b> | Grid 9 <b>M4</b><br><b>22.35 dBV/m</b> |



0 dB = 21.96 V/m = 26.83 dBV/m

## HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1) @ 2636.5 MHz; Calibrated: 7/22/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/10/2020
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

### 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 = 17.71 V/m; Power Drift = -0.05 dB

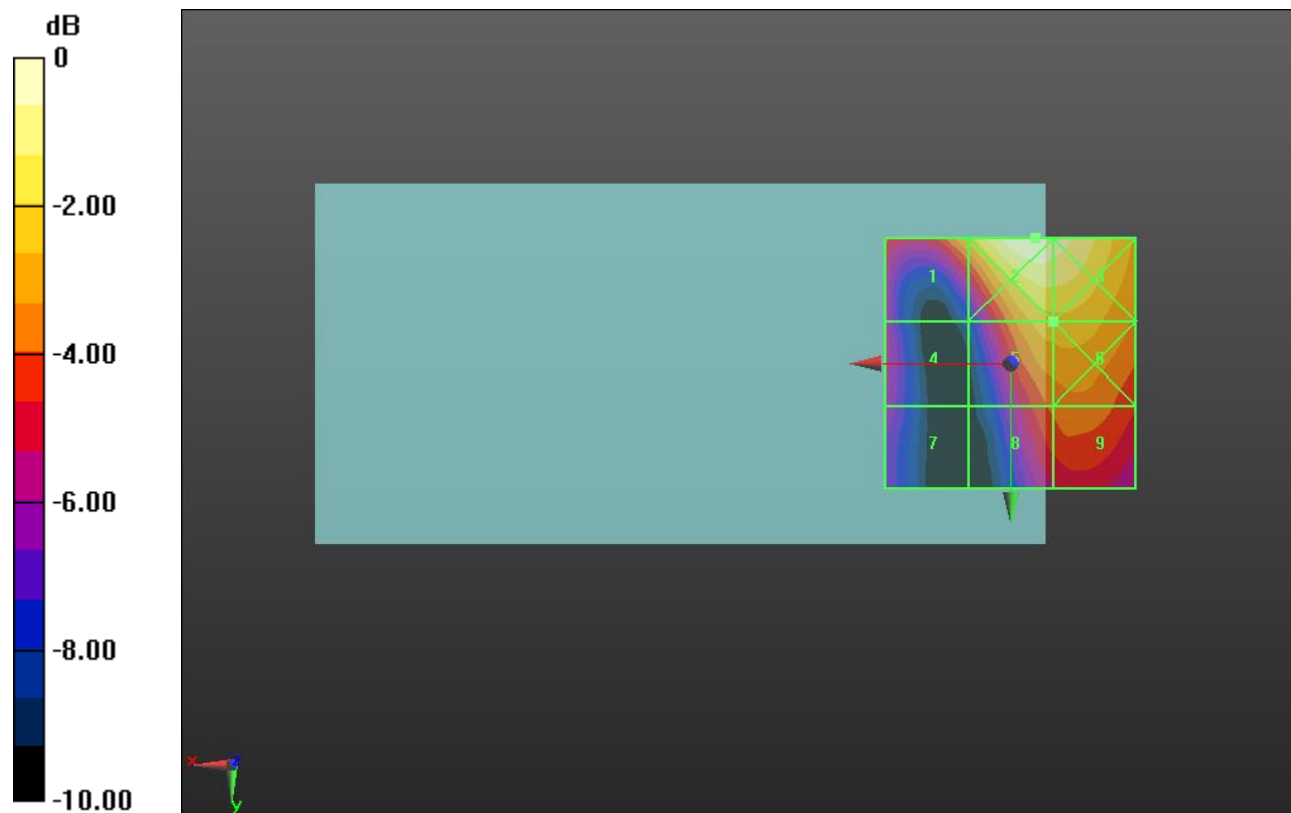
Applied MIF = -1.44 dB

RF audio interference level = 24.15 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                 |                                 |                                 |
|---------------------------------|---------------------------------|---------------------------------|
| Grid 1 <b>M4</b><br>24 dBV/m    | Grid 2 <b>M4</b><br>26.36 dBV/m | Grid 3 <b>M4</b><br>26.09 dBV/m |
| Grid 4 <b>M4</b><br>20.67 dBV/m | Grid 5 <b>M4</b><br>24.15 dBV/m | Grid 6 <b>M4</b><br>24.19 dBV/m |
| Grid 7 <b>M4</b><br>20.25 dBV/m | Grid 8 <b>M4</b><br>22.55 dBV/m | Grid 9 <b>M4</b><br>22.83 dBV/m |



0 dB = 20.79 V/m = 26.36 dBV/m

## HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1) @ 2680 MHz; Calibrated: 7/22/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/10/2020
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

### 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 = 16.76 V/m; Power Drift = -0.06 dB

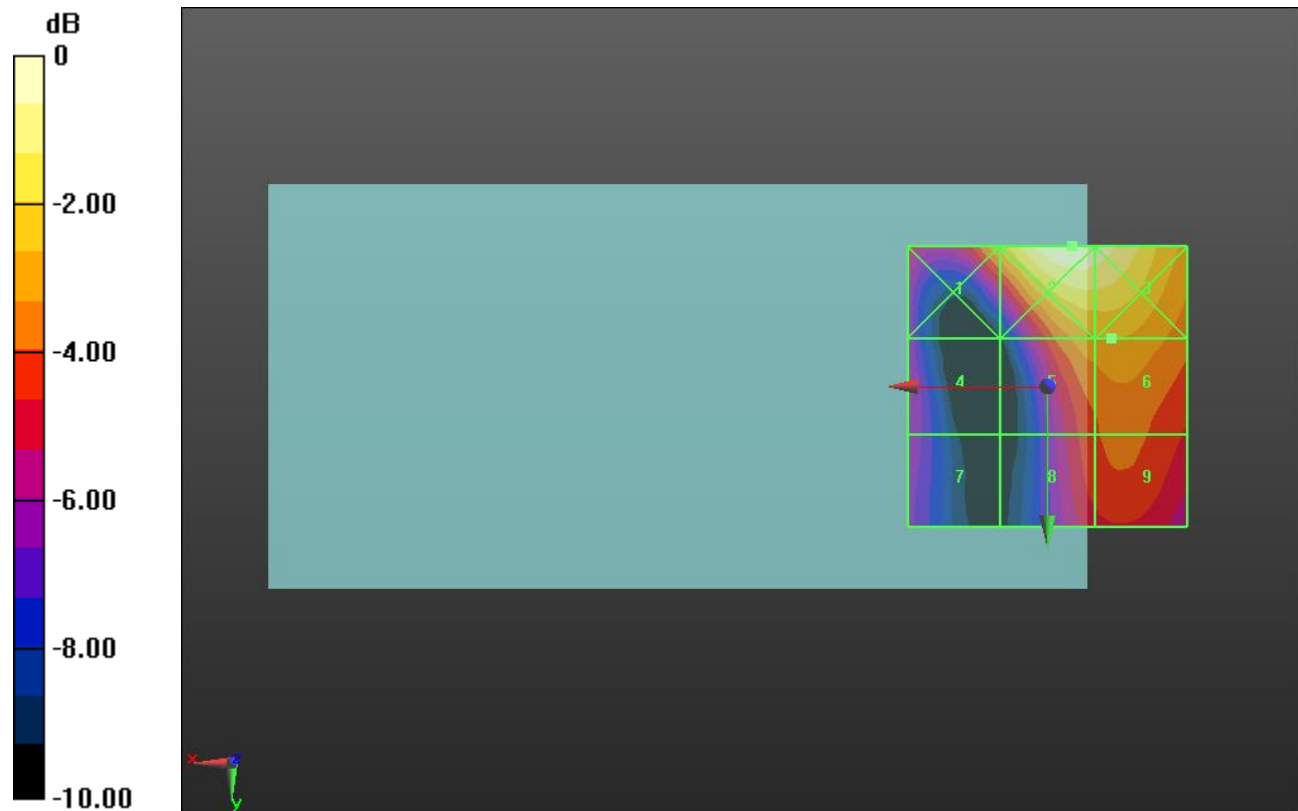
Applied MIF = -1.44 dB

RF audio interference level = 24.03 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| <b>Grid 1 M4</b><br><b>24.25 dBV/m</b> | <b>Grid 2 M4</b><br><b>26.69 dBV/m</b> | <b>Grid 3 M4</b><br><b>26.43 dBV/m</b> |
| <b>Grid 4 M4</b><br><b>20.91 dBV/m</b> | <b>Grid 5 M4</b><br><b>23.91 dBV/m</b> | <b>Grid 6 M4</b><br><b>24.03 dBV/m</b> |
| <b>Grid 7 M4</b><br><b>20.7 dBV/m</b>  | <b>Grid 8 M4</b><br><b>22.6 dBV/m</b>  | <b>Grid 9 M4</b><br><b>22.9 dBV/m</b>  |



0 dB = 21.59 V/m = 26.69 dBV/m

## HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1) @ 2417 MHz; Calibrated: 7/22/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/10/2020
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

### 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 = 17.58 V/m; Power Drift = 0.14 dB

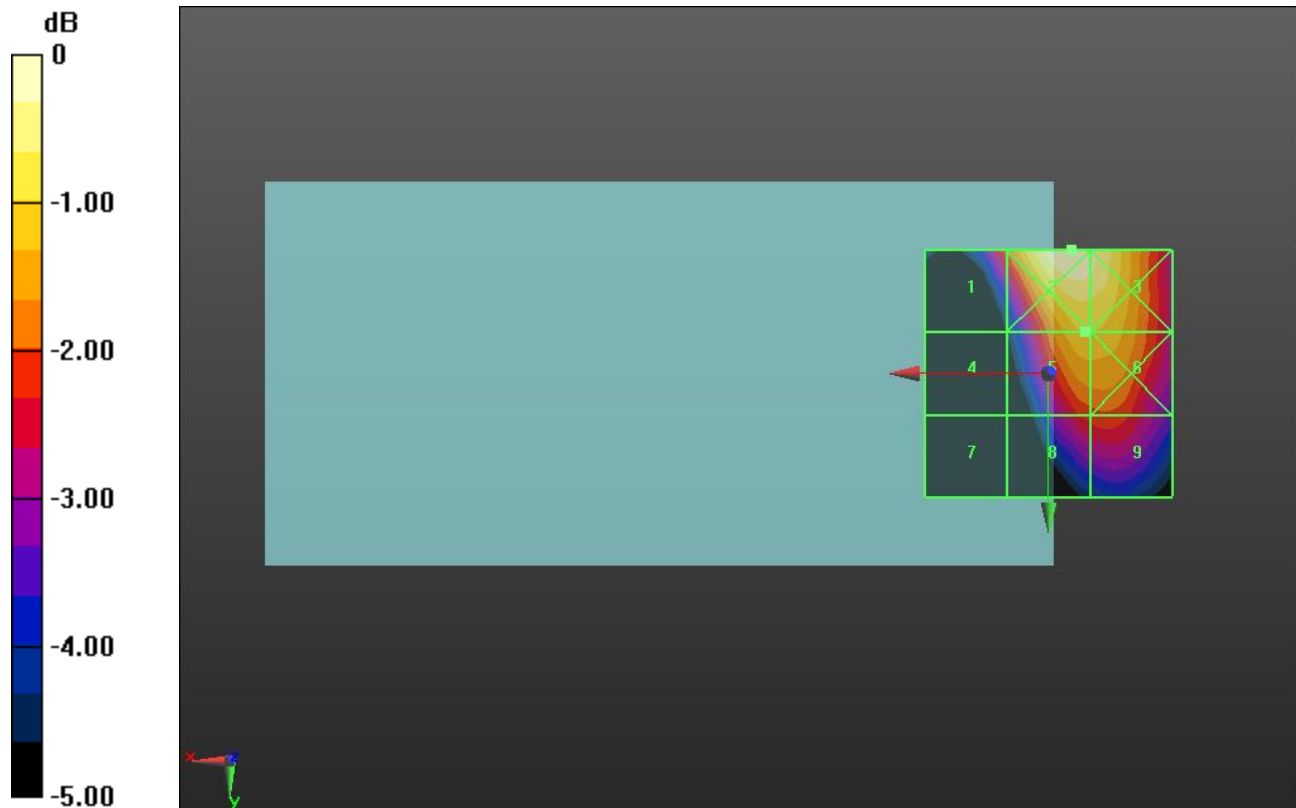
Applied MIF = -2.02 dB

RF audio interference level = 22.68 dBV/m

Emission category: **M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>21.76 dBV/m</b> | Grid 2 <b>M4</b><br><b>23.68 dBV/m</b> | Grid 3 <b>M4</b><br><b>23.48 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>19.03 dBV/m</b> | Grid 5 <b>M4</b><br><b>22.68 dBV/m</b> | Grid 6 <b>M4</b><br><b>22.67 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>18.93 dBV/m</b> | Grid 8 <b>M4</b><br><b>21.52 dBV/m</b> | Grid 9 <b>M4</b><br><b>21.62 dBV/m</b> |



0 dB = 15.27 V/m = 23.68 dBV/m

## HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1) @ 2437 MHz; Calibrated: 7/22/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/10/2020
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

### 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 = 18.31 V/m; Power Drift = -0.00 dB

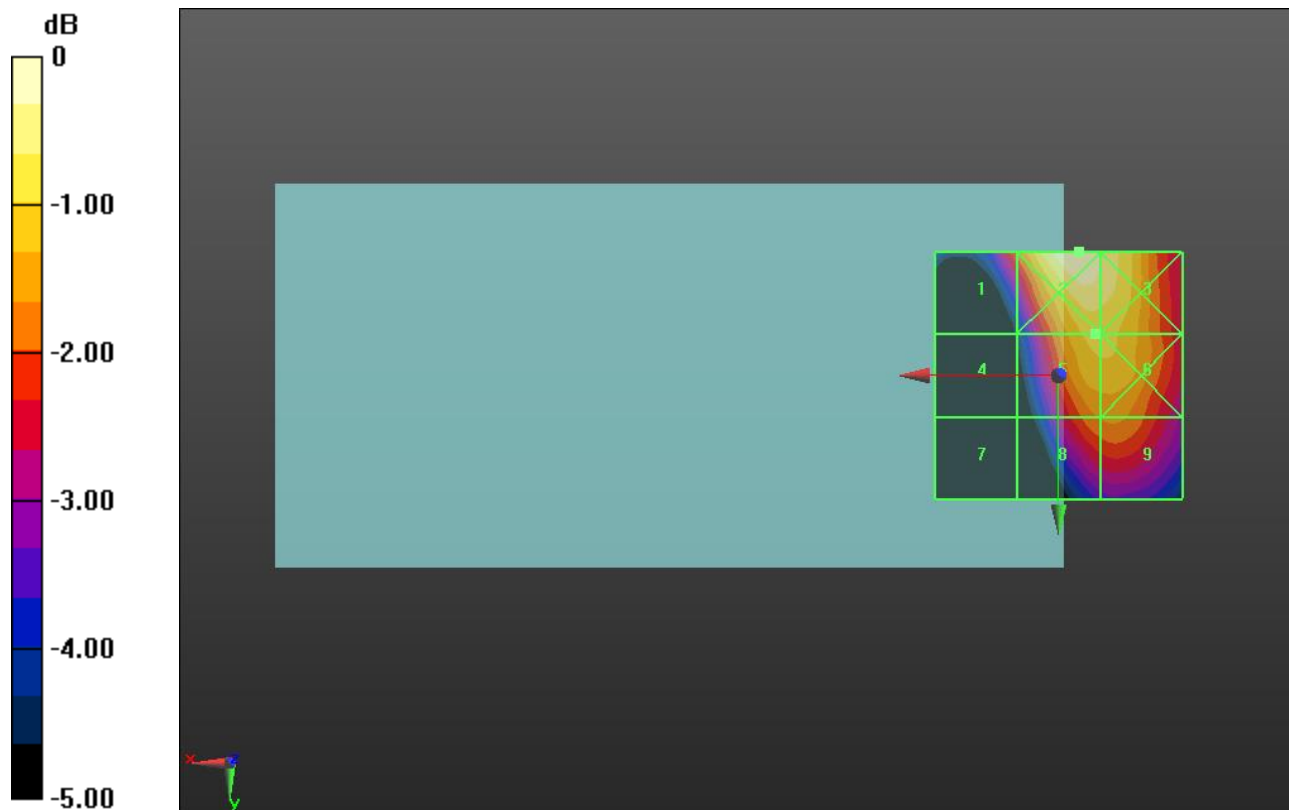
Applied MIF = -2.02 dB

RF audio interference level = 22.78 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>21.81 dBV/m</b> | Grid 2 <b>M4</b><br><b>23.65 dBV/m</b> | Grid 3 <b>M4</b><br><b>23.34 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>19.13 dBV/m</b> | Grid 5 <b>M4</b><br><b>22.78 dBV/m</b> | Grid 6 <b>M4</b><br><b>22.76 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>19.05 dBV/m</b> | Grid 8 <b>M4</b><br><b>22.02 dBV/m</b> | Grid 9 <b>M4</b><br><b>22.08 dBV/m</b> |



0 dB = 15.23 V/m = 23.65 dBV/m

## HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1) @ 2462 MHz; Calibrated: 7/22/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/10/2020
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

### 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 = 17.05 V/m; Power Drift = -0.02 dB

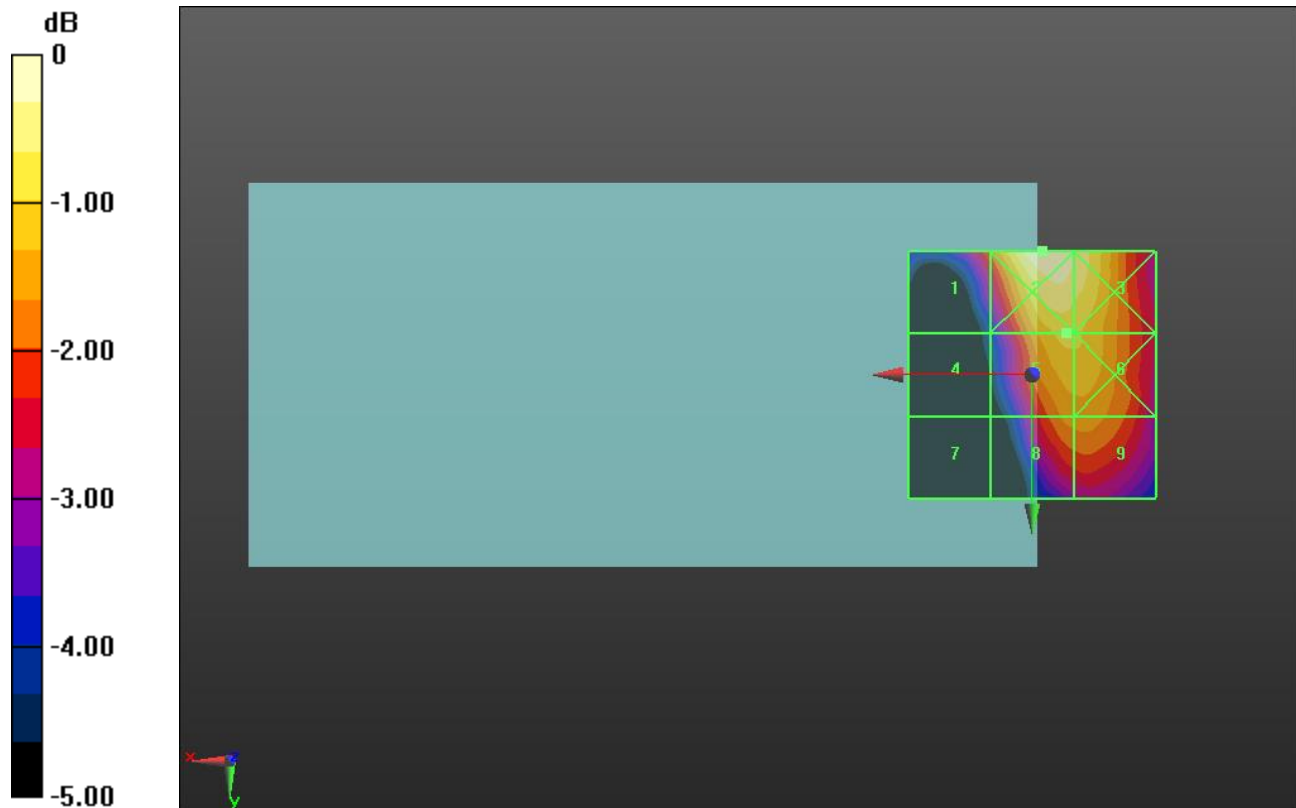
Applied MIF = -2.02 dB

RF audio interference level = 21.93 dBV/m

Emission category: **M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>20.95 dBV/m</b> | Grid 2 <b>M4</b><br><b>22.83 dBV/m</b> | Grid 3 <b>M4</b><br><b>22.5 dBV/m</b>  |
| Grid 4 <b>M4</b><br><b>18.78 dBV/m</b> | Grid 5 <b>M4</b><br><b>21.93 dBV/m</b> | Grid 6 <b>M4</b><br><b>21.9 dBV/m</b>  |
| Grid 7 <b>M4</b><br><b>18.1 dBV/m</b>  | Grid 8 <b>M4</b><br><b>21.31 dBV/m</b> | Grid 9 <b>M4</b><br><b>21.35 dBV/m</b> |



0 dB = 13.85 V/m = 22.83 dBV/m

## HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1) @ 2422 MHz; Calibrated: 7/22/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/10/2020
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

### 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 = 16.37 V/m; Power Drift = 0.05 dB

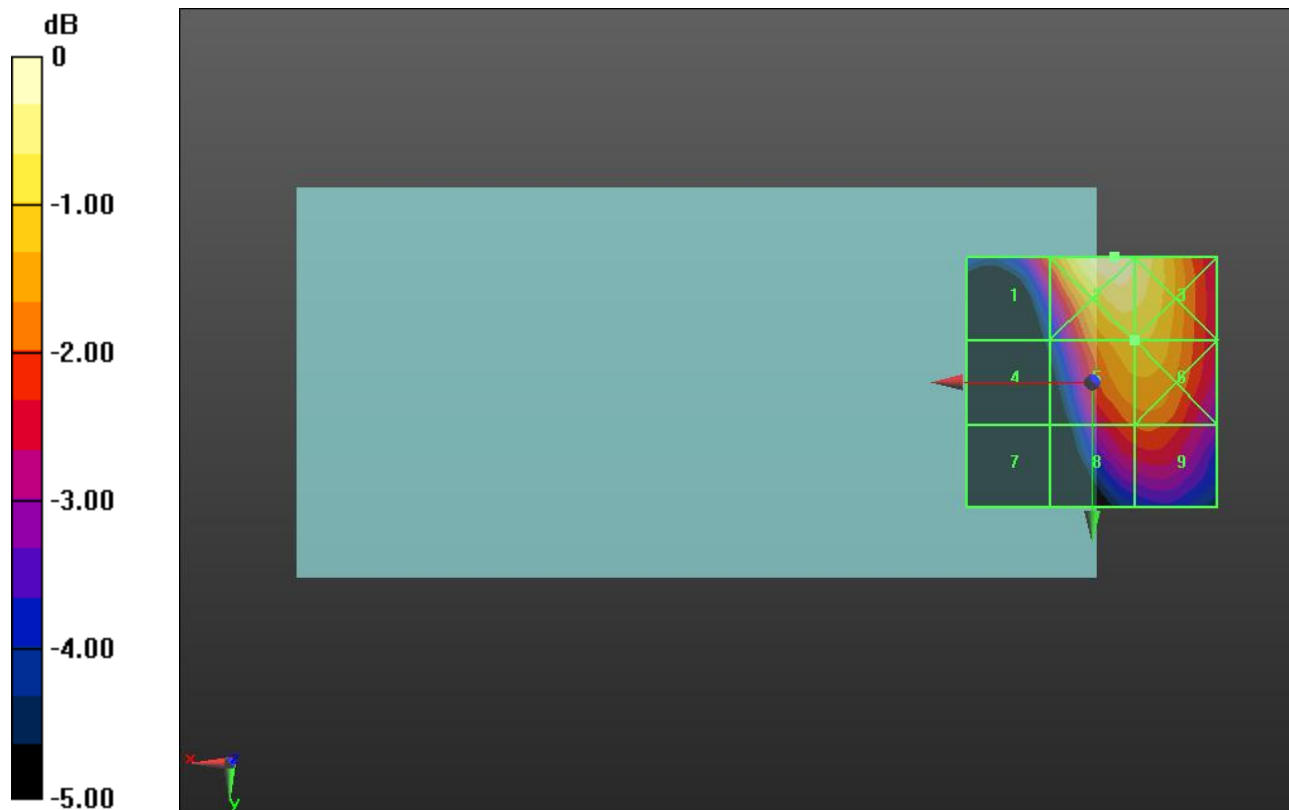
Applied MIF = 0.12 dB

RF audio interference level = 24.06 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>23.26 dBV/m</b> | Grid 2 <b>M4</b><br><b>25.04 dBV/m</b> | Grid 3 <b>M4</b><br><b>24.77 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>20.76 dBV/m</b> | Grid 5 <b>M4</b><br><b>24.06 dBV/m</b> | Grid 6 <b>M4</b><br><b>24.08 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>20.36 dBV/m</b> | Grid 8 <b>M4</b><br><b>23.09 dBV/m</b> | Grid 9 <b>M4</b><br><b>23.16 dBV/m</b> |



0 dB = 17.87 V/m = 25.04 dBV/m

## HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1) @ 2437 MHz; Calibrated: 7/22/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/10/2020
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

## 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 = 17.02 V/m; Power Drift = -0.11 dB

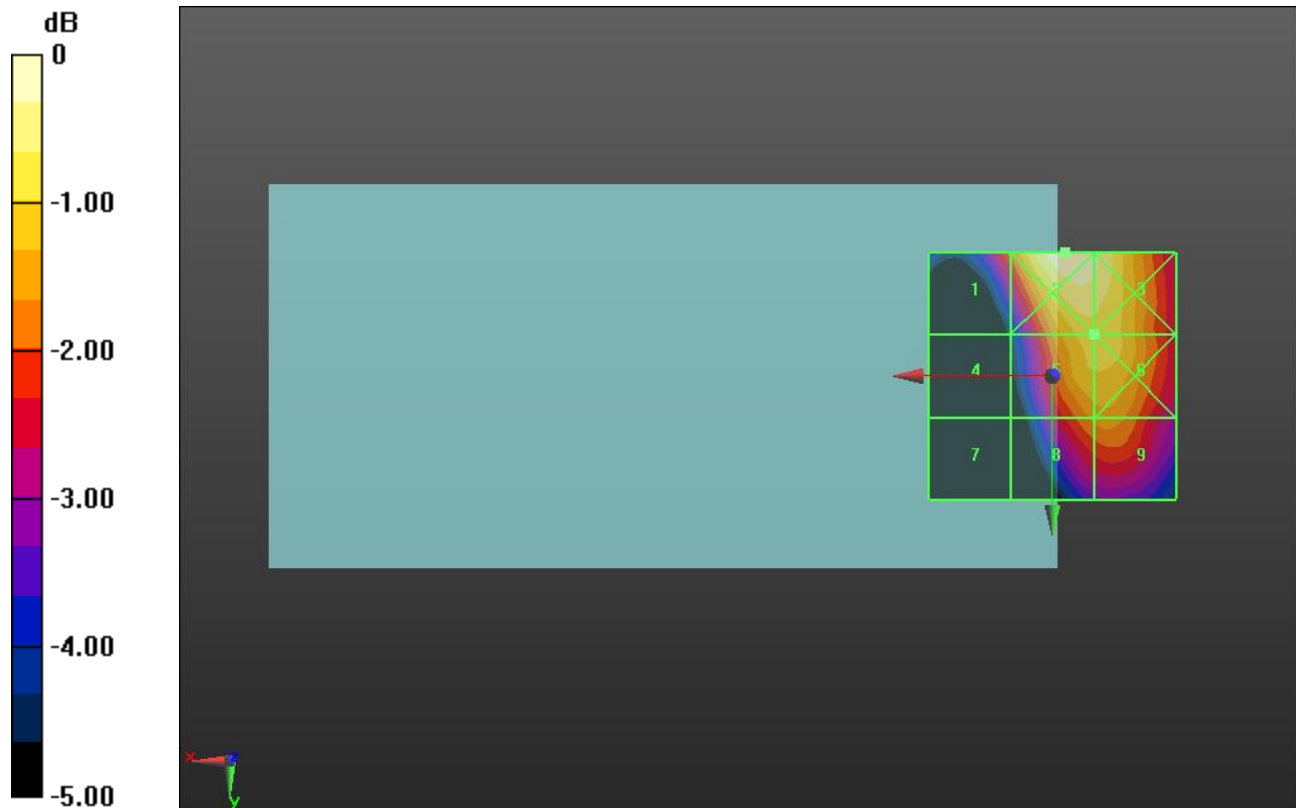
Applied MIF = 0.12 dB

RF audio interference level = 24.13 dBV/m

Emission category: **M4**

MIF scaled E-field

|                                 |                                 |                                 |
|---------------------------------|---------------------------------|---------------------------------|
| Grid 1 <b>M4</b><br>23.12 dBV/m | Grid 2 <b>M4</b><br>24.9 dBV/m  | Grid 3 <b>M4</b><br>24.67 dBV/m |
| Grid 4 <b>M4</b><br>20.49 dBV/m | Grid 5 <b>M4</b><br>24.13 dBV/m | Grid 6 <b>M4</b><br>24.13 dBV/m |
| Grid 7 <b>M4</b><br>20.24 dBV/m | Grid 8 <b>M4</b><br>23.33 dBV/m | Grid 9 <b>M4</b><br>23.42 dBV/m |



0 dB = 17.58 V/m = 24.90 dBV/m

## HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1) @ 2452 MHz; Calibrated: 7/22/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/10/2020
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

### 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 = 16.45 V/m; Power Drift = -0.15 dB

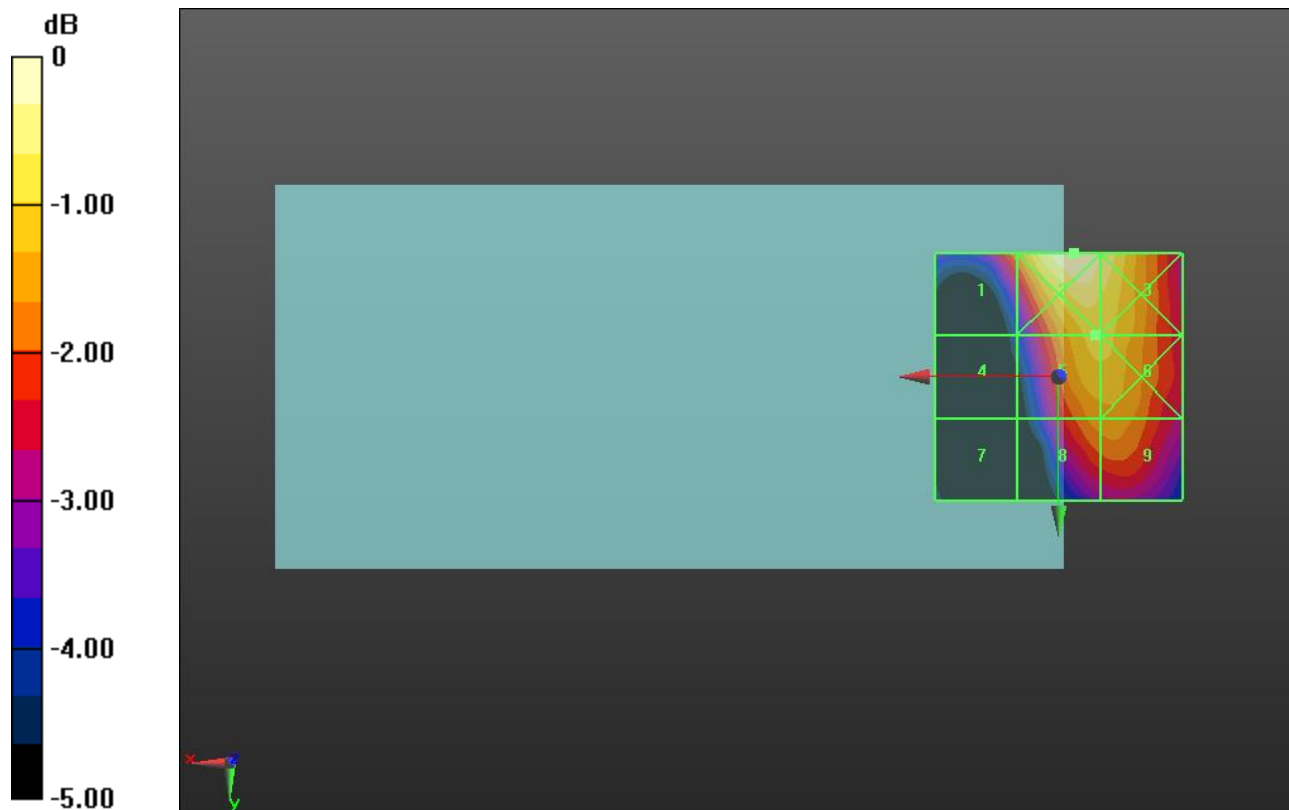
Applied MIF = 0.12 dB

RF audio interference level = 23.68 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                 |                                 |                                 |
|---------------------------------|---------------------------------|---------------------------------|
| Grid 1 <b>M4</b><br>22.94 dBV/m | Grid 2 <b>M4</b><br>24.56 dBV/m | Grid 3 <b>M4</b><br>24.26 dBV/m |
| Grid 4 <b>M4</b><br>20.45 dBV/m | Grid 5 <b>M4</b><br>23.68 dBV/m | Grid 6 <b>M4</b><br>23.67 dBV/m |
| Grid 7 <b>M4</b><br>20.28 dBV/m | Grid 8 <b>M4</b><br>23.08 dBV/m | Grid 9 <b>M4</b><br>23.13 dBV/m |



0 dB = 16.91 V/m = 24.56 dBV/m

## HAC-RF Emission

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 - SN4028; ConvF(1, 1, 1) @ 1850.2 MHz; Calibrated: 7/22/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/10/2020
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

## 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 = 17.39 V/m; Power Drift = -0.06 dB

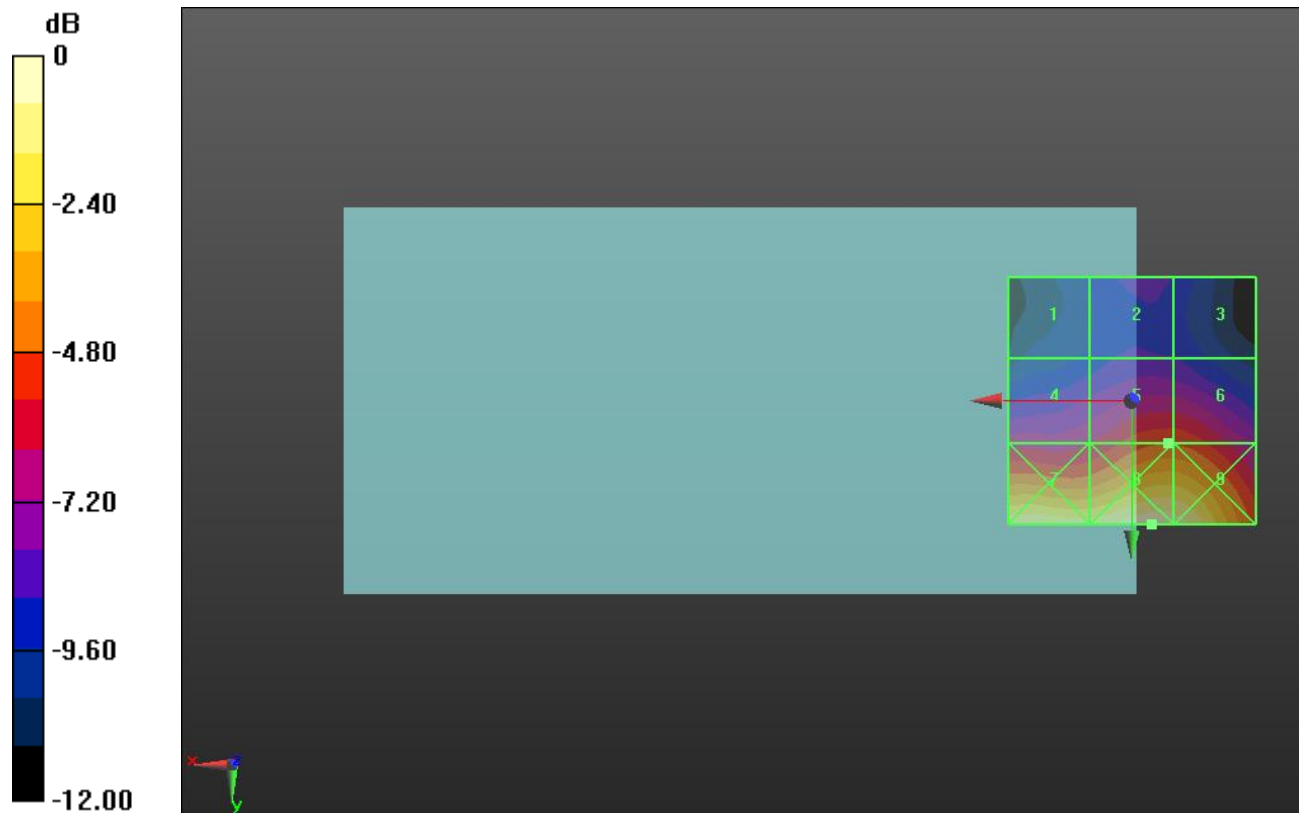
Applied MIF = 3.63 dB

RF audio interference level = 27.95 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>23.49 dBV/m</b> | Grid 2 <b>M4</b><br><b>24.36 dBV/m</b> | Grid 3 <b>M4</b><br><b>24.08 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>26.39 dBV/m</b> | Grid 5 <b>M4</b><br><b>27.95 dBV/m</b> | Grid 6 <b>M4</b><br><b>27.94 dBV/m</b> |
| Grid 7 <b>M3</b><br><b>32.05 dBV/m</b> | Grid 8 <b>M3</b><br><b>32.79 dBV/m</b> | Grid 9 <b>M3</b><br><b>32.54 dBV/m</b> |



0 dB = 43.59 V/m = 32.79 dBV/m

## HAC-RF Emission

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 - SN4028; ConvF(1, 1, 1) @ 1880 MHz; Calibrated: 7/22/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/10/2020
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

## 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 = 17.53 V/m; Power Drift = -0.07 dB

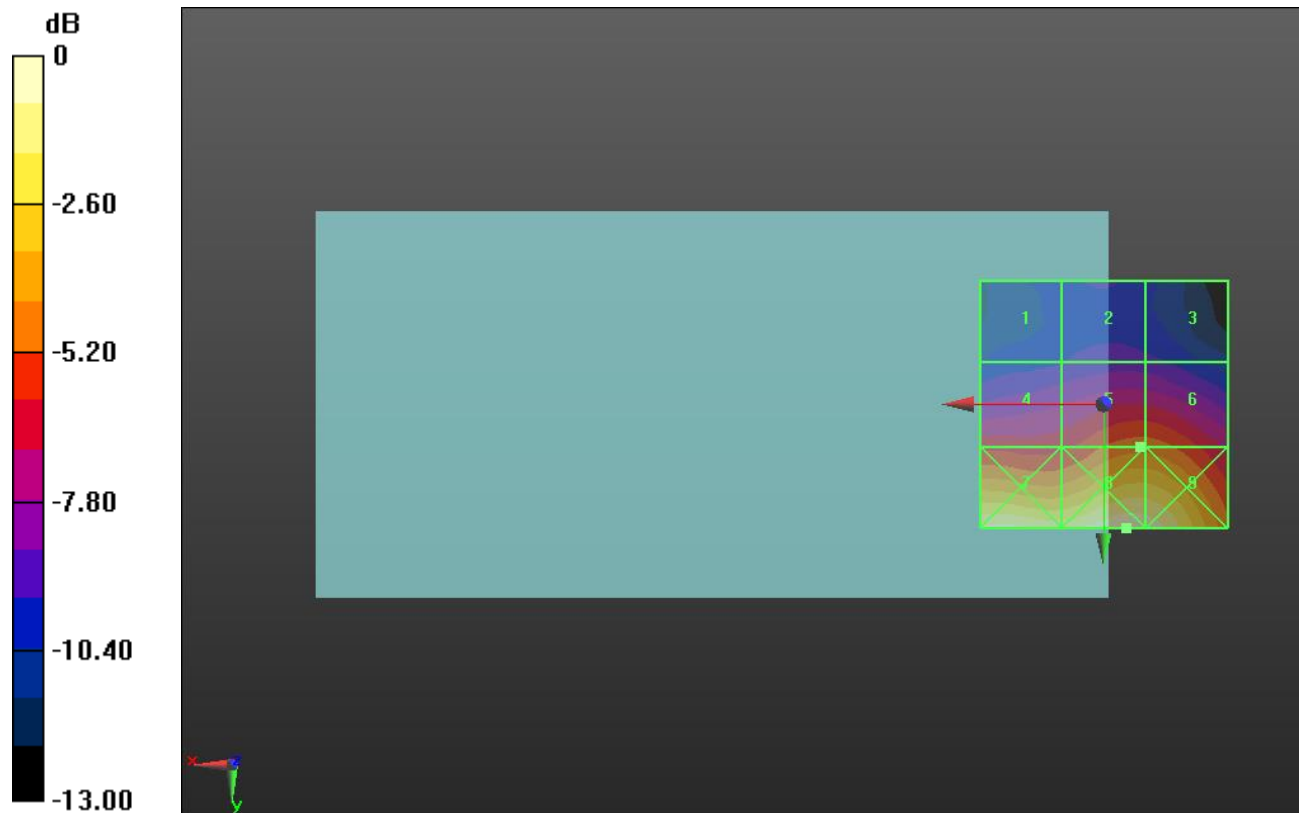
Applied MIF = 3.63 dB

RF audio interference level = 28.16 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>23.3 dBV/m</b>  | Grid 2 <b>M4</b><br><b>23.8 dBV/m</b>  | Grid 3 <b>M4</b><br><b>23.68 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>26.58 dBV/m</b> | Grid 5 <b>M4</b><br><b>28.16 dBV/m</b> | Grid 6 <b>M4</b><br><b>28.14 dBV/m</b> |
| Grid 7 <b>M3</b><br><b>32.3 dBV/m</b>  | Grid 8 <b>M3</b><br><b>32.83 dBV/m</b> | Grid 9 <b>M3</b><br><b>32.64 dBV/m</b> |



0 dB = 43.80 V/m = 32.83 dBV/m

## HAC-RF Emission

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 - SN4028; ConvF(1, 1, 1) @ 1909.8 MHz; Calibrated: 7/22/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/10/2020
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

## 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 = 19.28 V/m; Power Drift = -0.05 dB

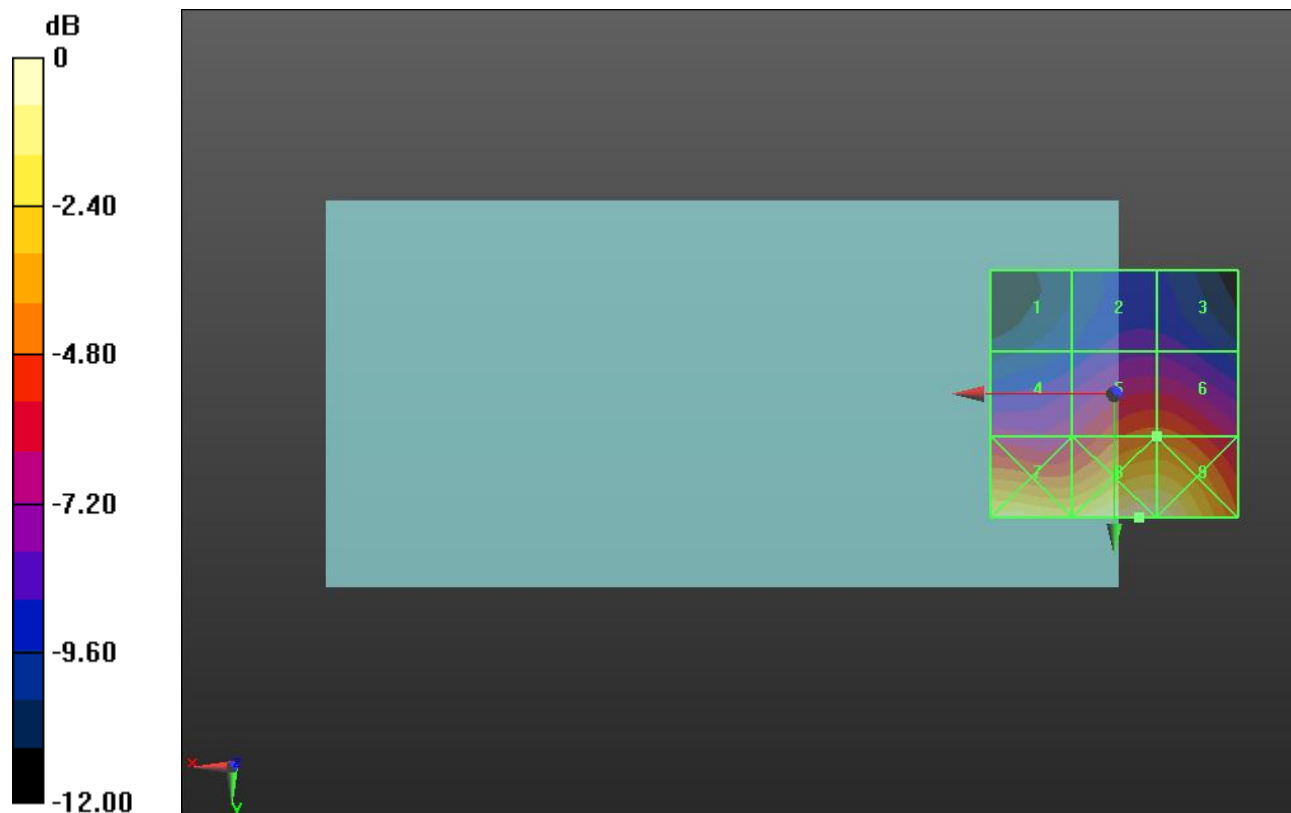
Applied MIF = 3.63 dB

RF audio interference level = 28.95 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>23.89 dBV/m</b> | Grid 2 <b>M4</b><br><b>25.21 dBV/m</b> | Grid 3 <b>M4</b><br><b>25.19 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>26.79 dBV/m</b> | Grid 5 <b>M4</b><br><b>28.95 dBV/m</b> | Grid 6 <b>M4</b><br><b>28.95 dBV/m</b> |
| Grid 7 <b>M3</b><br><b>32.32 dBV/m</b> | Grid 8 <b>M3</b><br><b>33.32 dBV/m</b> | Grid 9 <b>M3</b><br><b>33.15 dBV/m</b> |



0 dB = 46.35 V/m = 33.32 dBV/m

## HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1) @ 2506 MHz; Calibrated: 7/22/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/10/2020
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

### 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 = 23.08 V/m; Power Drift = 0.00 dB

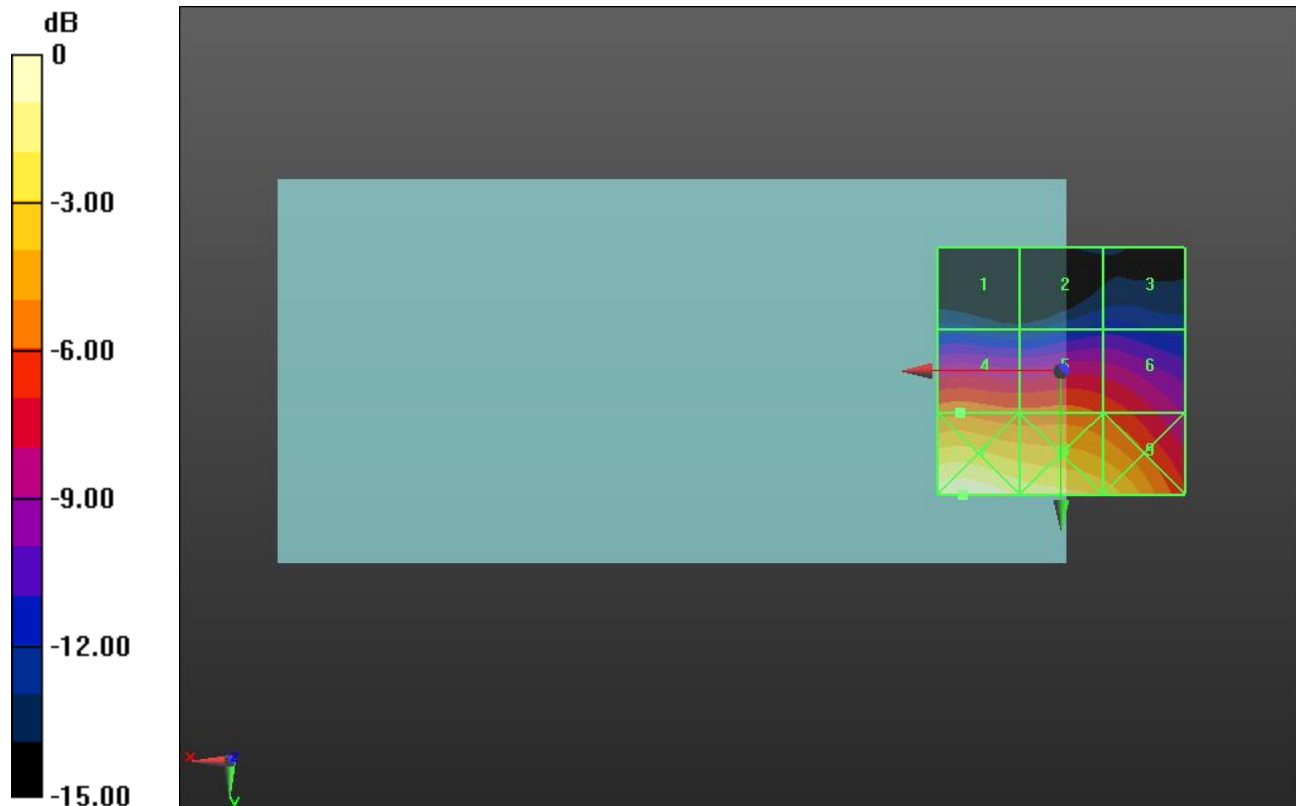
Applied MIF = -1.44 dB

RF audio interference level = 26.32 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>19.12 dBV/m</b> | Grid 2 <b>M4</b><br><b>20.09 dBV/m</b> | Grid 3 <b>M4</b><br><b>20.16 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>26.32 dBV/m</b> | Grid 5 <b>M4</b><br><b>25.94 dBV/m</b> | Grid 6 <b>M4</b><br><b>25.39 dBV/m</b> |
| Grid 7 <b>M3</b><br><b>31.5 dBV/m</b>  | Grid 8 <b>M3</b><br><b>30.39 dBV/m</b> | Grid 9 <b>M4</b><br><b>29.26 dBV/m</b> |



0 dB = 37.60 V/m = 31.50 dBV/m

## HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1) @ 2549.5 MHz; Calibrated: 7/22/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/10/2020
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

### 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 = 21.99 V/m; Power Drift = -0.03 dB

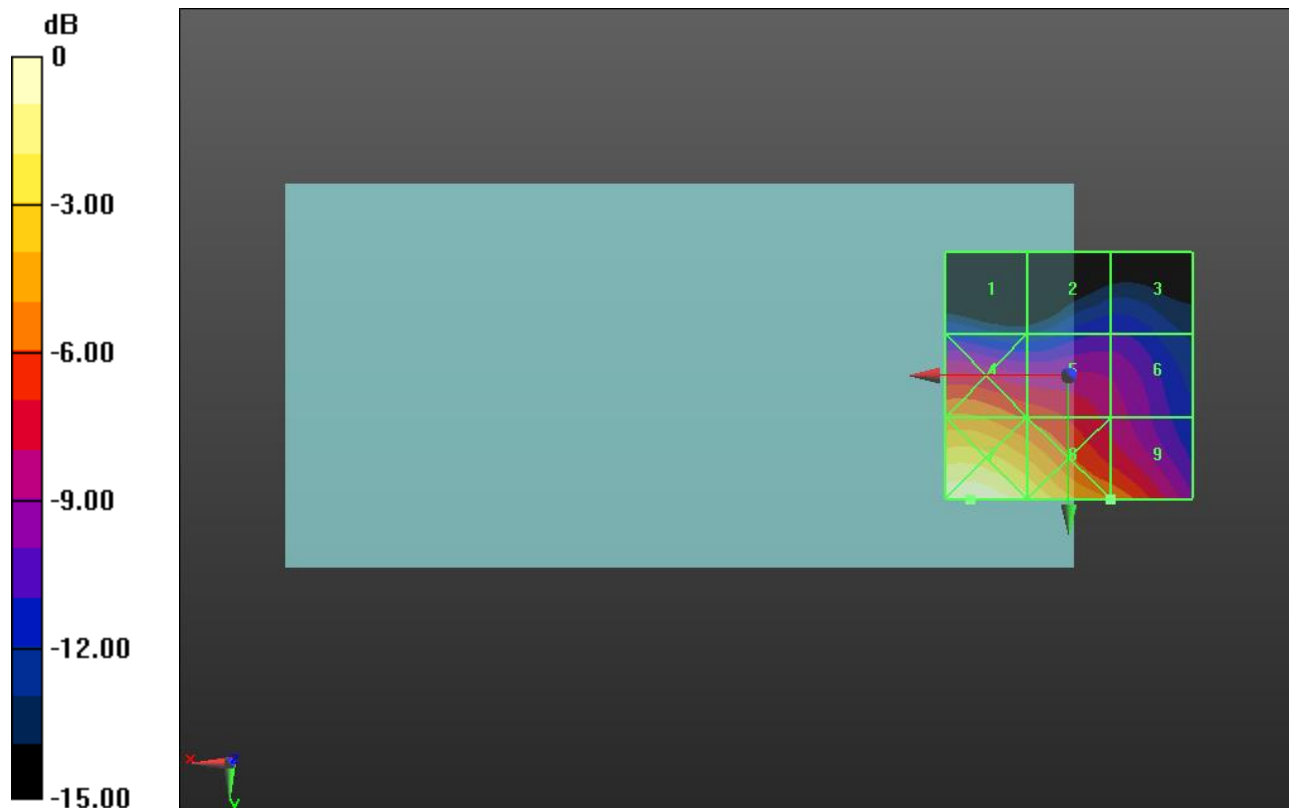
Applied MIF = -1.44 dB

RF audio interference level = 26.58 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>19.93 dBV/m</b> | Grid 2 <b>M4</b><br><b>20.69 dBV/m</b> | Grid 3 <b>M4</b><br><b>20.69 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>26.81 dBV/m</b> | Grid 5 <b>M4</b><br><b>25.4 dBV/m</b>  | Grid 6 <b>M4</b><br><b>23.24 dBV/m</b> |
| Grid 7 <b>M3</b><br><b>31.54 dBV/m</b> | Grid 8 <b>M4</b><br><b>29.86 dBV/m</b> | Grid 9 <b>M4</b><br><b>26.58 dBV/m</b> |



0 dB = 37.74 V/m = 31.54 dBV/m

## HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1) @ 2593 MHz; Calibrated: 7/22/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/10/2020
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

### 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 = 15.95 V/m; Power Drift = -0.28 dB

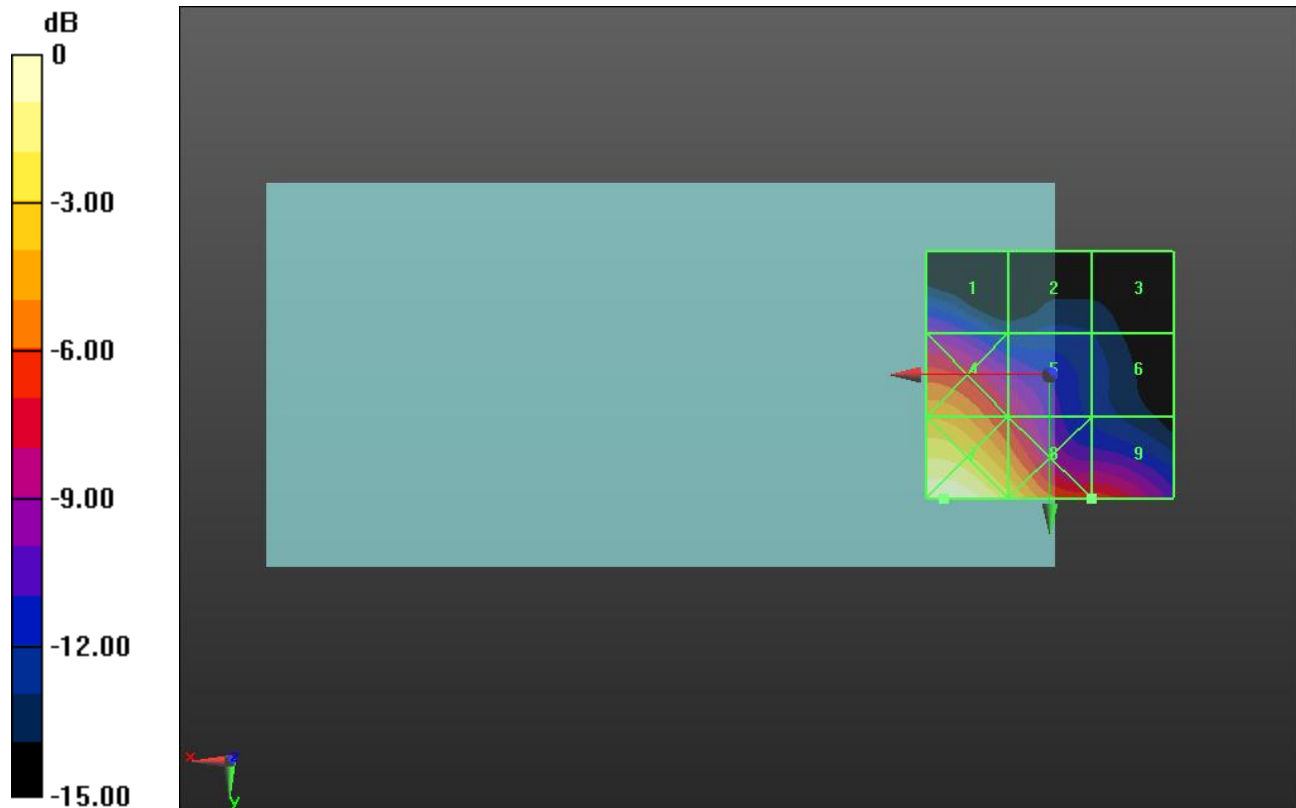
Applied MIF = -1.44 dB

RF audio interference level = 25.31 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>22.05 dBV/m</b> | Grid 2 <b>M4</b><br><b>18.93 dBV/m</b> | Grid 3 <b>M4</b><br><b>18.64 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>27.49 dBV/m</b> | Grid 5 <b>M4</b><br><b>24.22 dBV/m</b> | Grid 6 <b>M4</b><br><b>19.42 dBV/m</b> |
| Grid 7 <b>M3</b><br><b>31.57 dBV/m</b> | Grid 8 <b>M4</b><br><b>28.99 dBV/m</b> | Grid 9 <b>M4</b><br><b>25.31 dBV/m</b> |



0 dB = 37.87 V/m = 31.57 dBV/m

## HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1) @ 2636.5 MHz; Calibrated: 7/22/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/10/2020
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

### 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 = 12.33 V/m; Power Drift = -0.08 dB

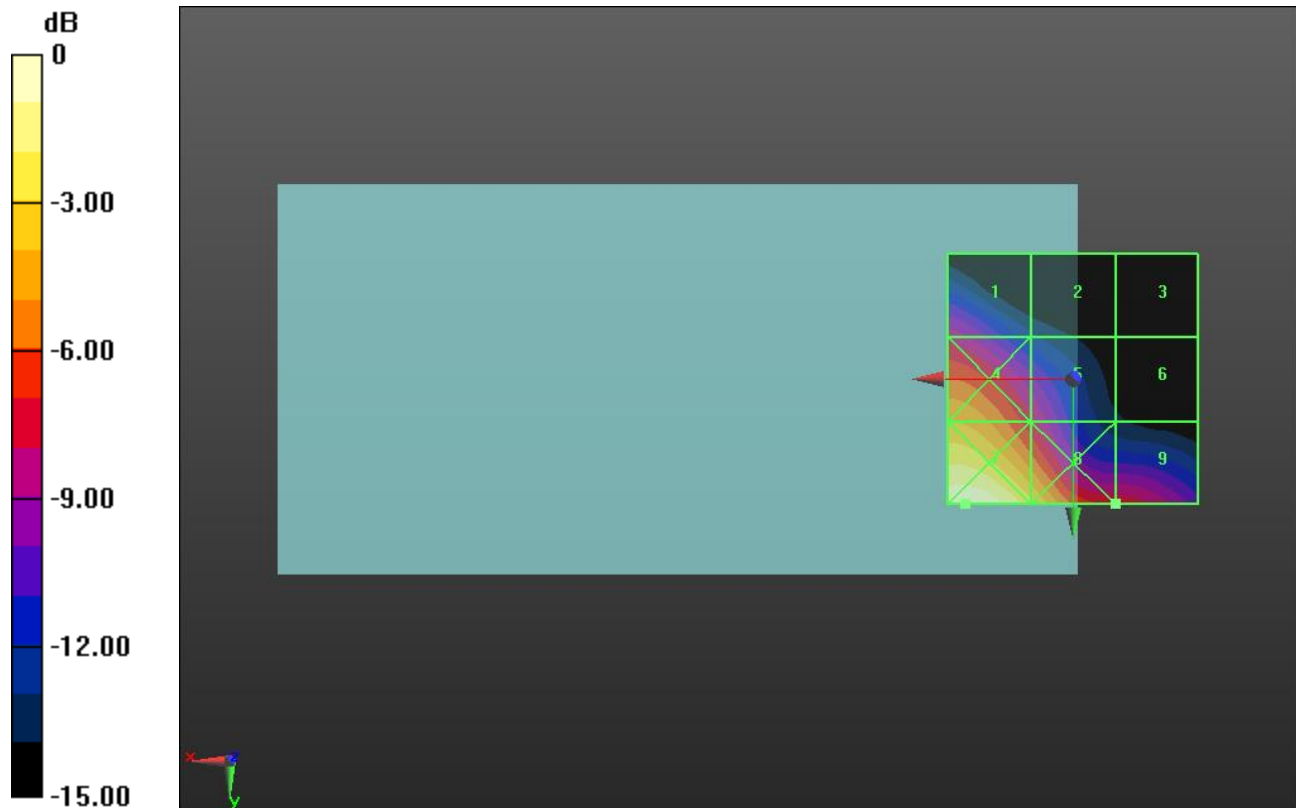
Applied MIF = -1.44 dB

RF audio interference level = 24.80 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>23.4 dBV/m</b>  | Grid 2 <b>M4</b><br><b>19.21 dBV/m</b> | Grid 3 <b>M4</b><br><b>17.01 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>27.84 dBV/m</b> | Grid 5 <b>M4</b><br><b>24.12 dBV/m</b> | Grid 6 <b>M4</b><br><b>18.15 dBV/m</b> |
| Grid 7 <b>M3</b><br><b>31.77 dBV/m</b> | Grid 8 <b>M4</b><br><b>29.22 dBV/m</b> | Grid 9 <b>M4</b><br><b>24.8 dBV/m</b>  |



0 dB = 38.77 V/m = 31.77 dBV/m

## HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1) @ 2680 MHz; Calibrated: 7/22/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/10/2020
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

### 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 = 15.48 V/m; Power Drift = -0.09 dB

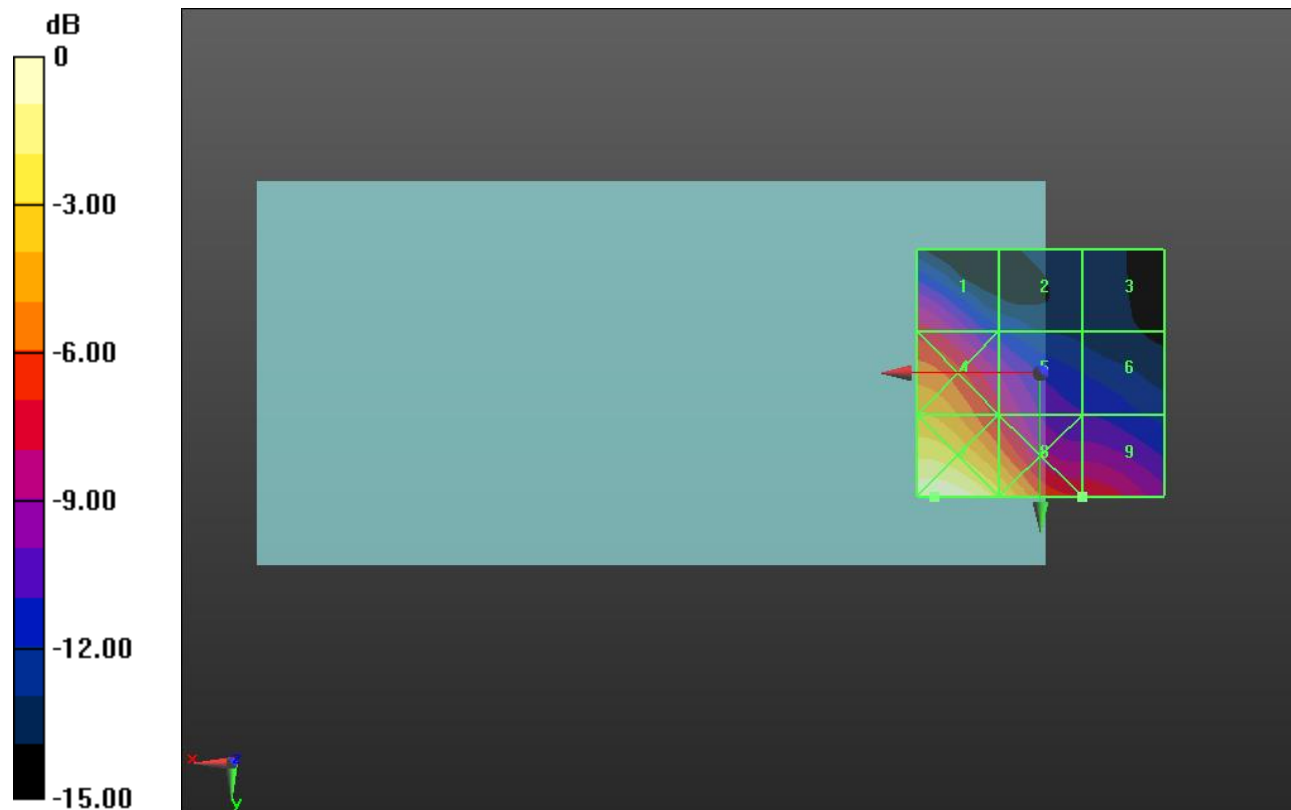
Applied MIF = -1.44 dB

RF audio interference level = 24.85 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>24.3 dBV/m</b>  | Grid 2 <b>M4</b><br><b>20.09 dBV/m</b> | Grid 3 <b>M4</b><br><b>18.64 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>27.84 dBV/m</b> | Grid 5 <b>M4</b><br><b>24.23 dBV/m</b> | Grid 6 <b>M4</b><br><b>20.87 dBV/m</b> |
| Grid 7 <b>M3</b><br><b>31.7 dBV/m</b>  | Grid 8 <b>M4</b><br><b>29.3 dBV/m</b>  | Grid 9 <b>M4</b><br><b>24.85 dBV/m</b> |



0 dB = 38.47 V/m = 31.70 dBV/m

## HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1) @ 3560 MHz; Calibrated: 7/22/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/10/2020
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

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

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 30.96 V/m; Power Drift = -0.01 dB

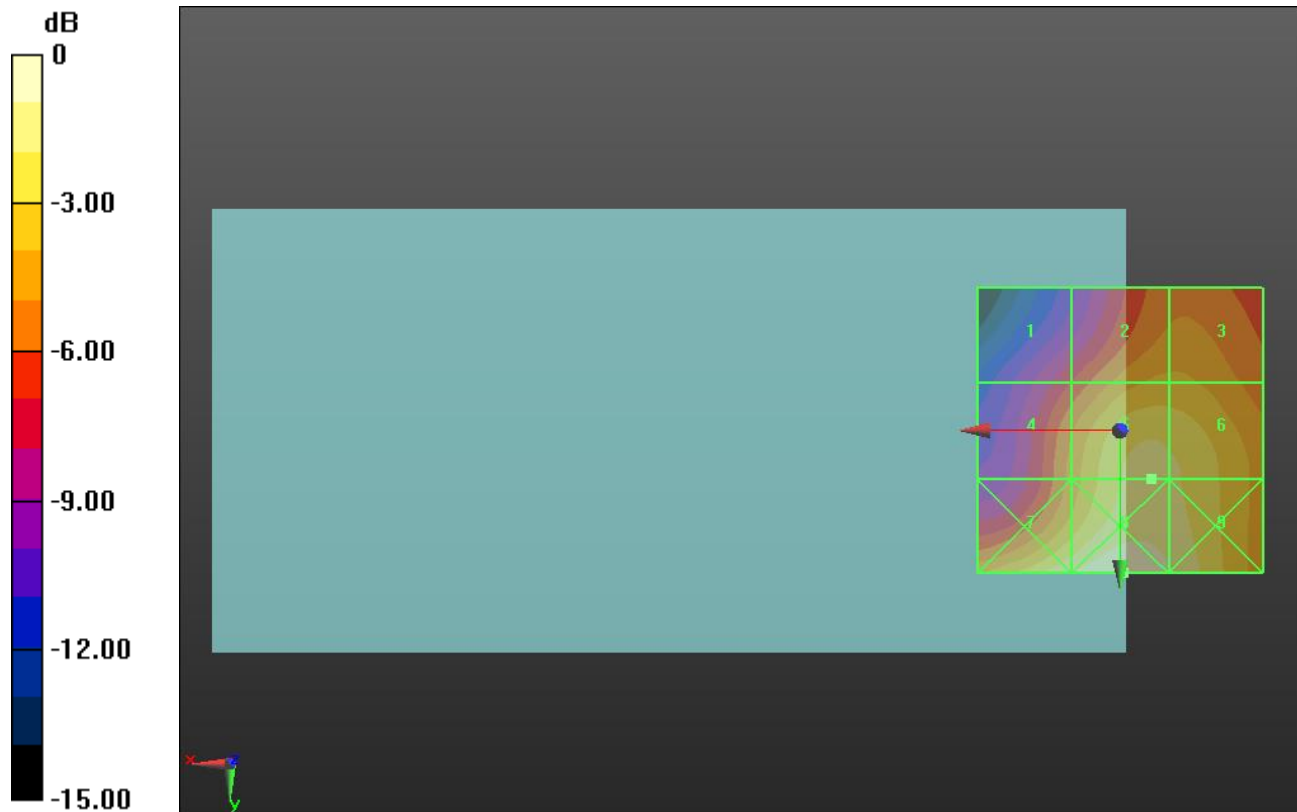
Applied MIF = -1.44 dB

RF audio interference level = 26.32 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>21.03 dBV/m</b> | Grid 2 <b>M4</b><br><b>24.28 dBV/m</b> | Grid 3 <b>M4</b><br><b>24.28 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>23.41 dBV/m</b> | Grid 5 <b>M4</b><br><b>26.32 dBV/m</b> | Grid 6 <b>M4</b><br><b>26.18 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>27 dBV/m</b>    | Grid 8 <b>M4</b><br><b>27.99 dBV/m</b> | Grid 9 <b>M4</b><br><b>27.19 dBV/m</b> |



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

## HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1) @ 3603.3 MHz; Calibrated: 7/22/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/10/2020
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

### 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 = 33.67 V/m; Power Drift = -0.03 dB

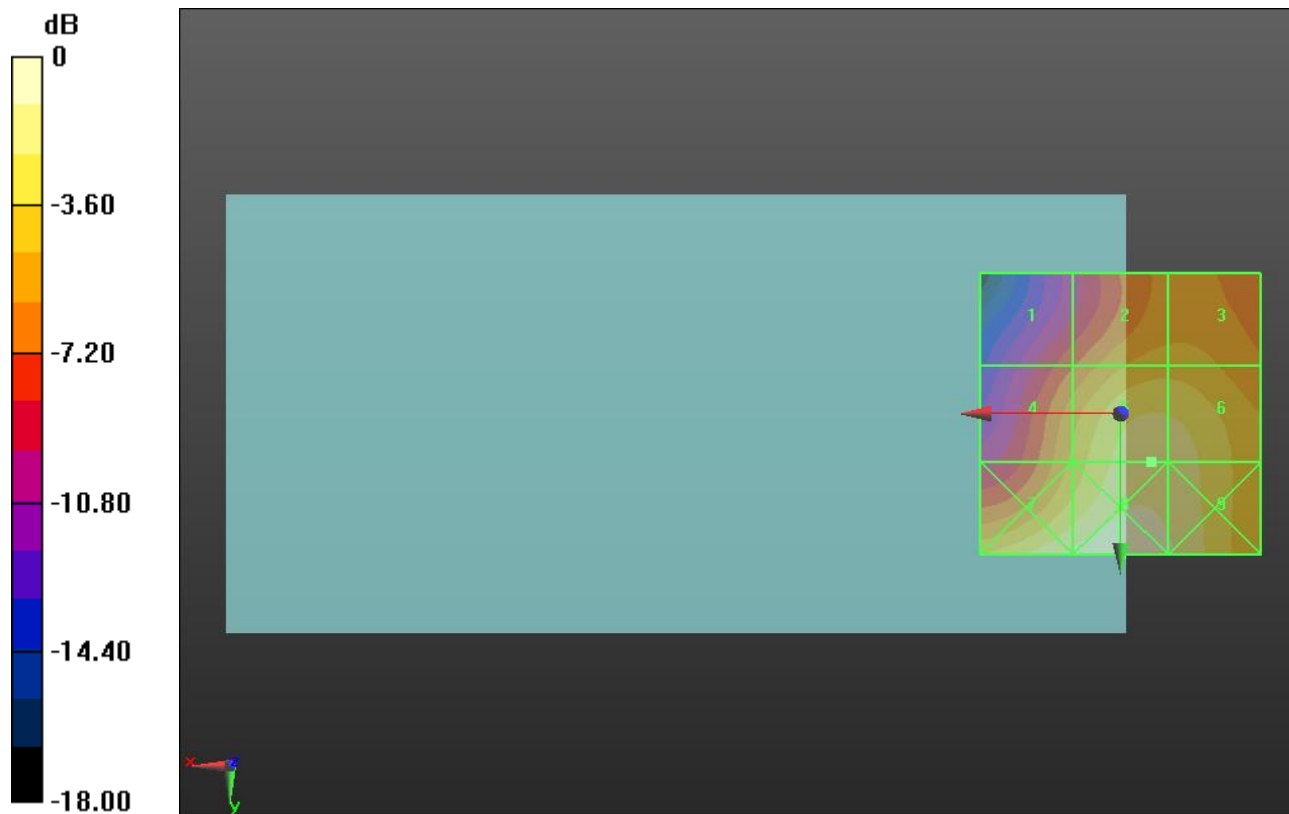
Applied MIF = -1.44 dB

RF audio interference level = 27.45 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>21.84 dBV/m</b> | Grid 2 <b>M4</b><br><b>25.05 dBV/m</b> | Grid 3 <b>M4</b><br><b>25.06 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>24.64 dBV/m</b> | Grid 5 <b>M4</b><br><b>27.45 dBV/m</b> | Grid 6 <b>M4</b><br><b>27.32 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>28.3 dBV/m</b>  | Grid 8 <b>M4</b><br><b>29.12 dBV/m</b> | Grid 9 <b>M4</b><br><b>28.19 dBV/m</b> |



0 dB = 28.58 V/m = 29.12 dBV/m

## HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1) @ 3646.7 MHz; Calibrated: 7/22/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/10/2020
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

### 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 = 36.99 V/m; Power Drift = -0.01 dB

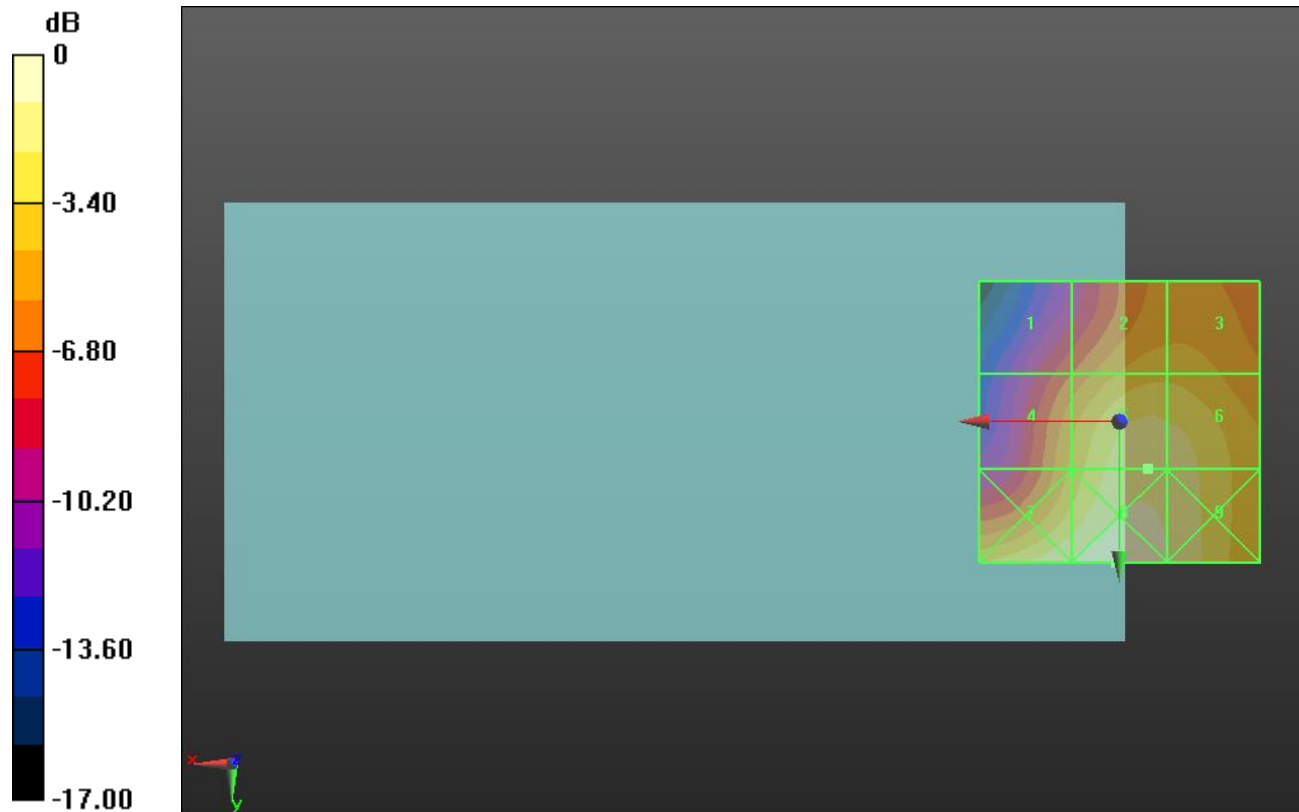
Applied MIF = -1.44 dB

RF audio interference level = 28.30 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>22.94 dBV/m</b> | Grid 2 <b>M4</b><br><b>26.03 dBV/m</b> | Grid 3 <b>M4</b><br><b>26.03 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>25.49 dBV/m</b> | Grid 5 <b>M4</b><br><b>28.3 dBV/m</b>  | Grid 6 <b>M4</b><br><b>28.13 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>28.9 dBV/m</b>  | Grid 8 <b>M4</b><br><b>29.72 dBV/m</b> | Grid 9 <b>M4</b><br><b>28.76 dBV/m</b> |



0 dB = 30.62 V/m = 29.72 dBV/m

## HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1) @ 3690 MHz; Calibrated: 7/22/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/10/2020
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

### 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 = 40.01 V/m; Power Drift = -0.06 dB

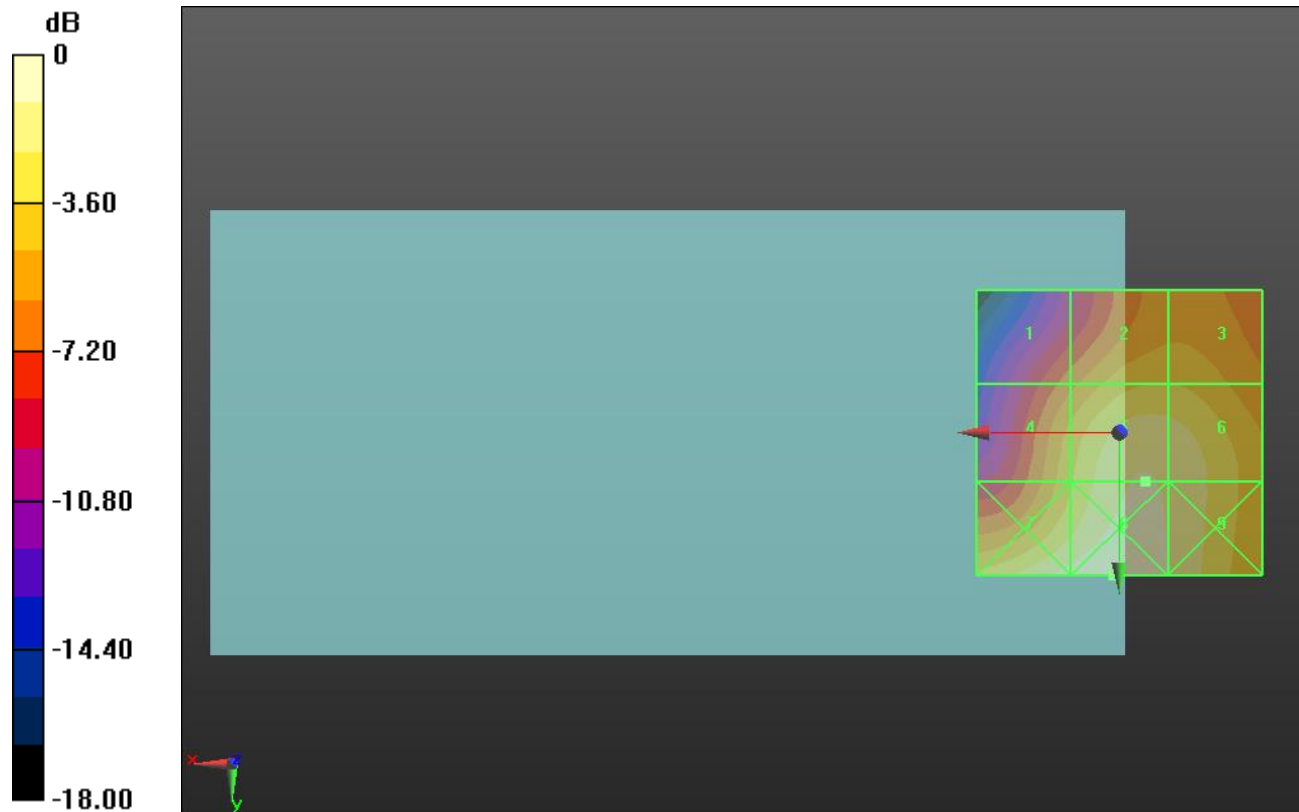
Applied MIF = -1.44 dB

RF audio interference level = 28.89 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>23.71 dBV/m</b> | Grid 2 <b>M4</b><br><b>26.52 dBV/m</b> | Grid 3 <b>M4</b><br><b>26.5 dBV/m</b>  |
| Grid 4 <b>M4</b><br><b>26.32 dBV/m</b> | Grid 5 <b>M4</b><br><b>28.89 dBV/m</b> | Grid 6 <b>M4</b><br><b>28.67 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>29.4 dBV/m</b>  | Grid 8 <b>M3</b><br><b>30.04 dBV/m</b> | Grid 9 <b>M4</b><br><b>28.97 dBV/m</b> |



0 dB = 31.76 V/m = 30.04 dBV/m

## HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1) @ 2417 MHz; Calibrated: 7/22/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/10/2020
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

### 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 = 23.26 V/m; Power Drift = 0.04 dB

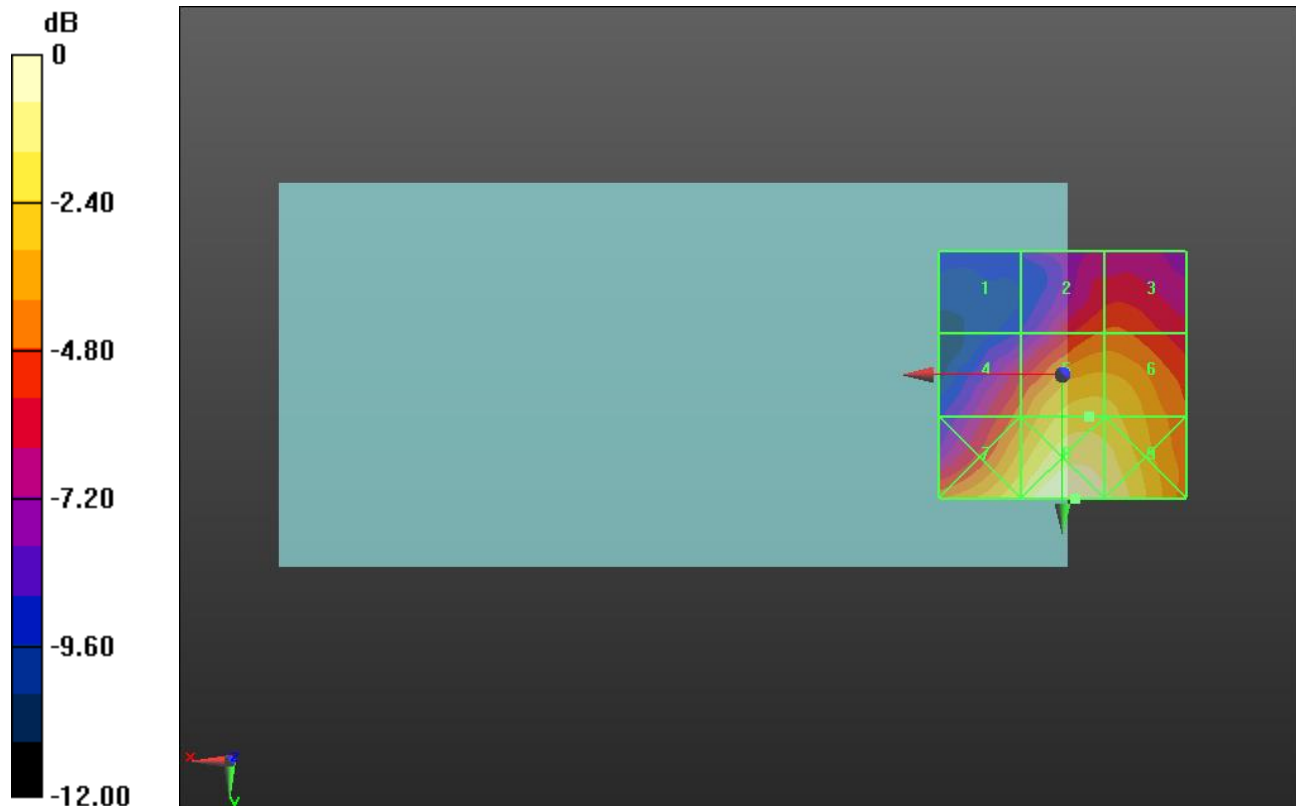
Applied MIF = -2.02 dB

RF audio interference level = 24.19 dBV/m

Emission category: **M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>17.53 dBV/m</b> | Grid 2 <b>M4</b><br><b>21.45 dBV/m</b> | Grid 3 <b>M4</b><br><b>21.52 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>21.85 dBV/m</b> | Grid 5 <b>M4</b><br><b>24.19 dBV/m</b> | Grid 6 <b>M4</b><br><b>24.06 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>24.67 dBV/m</b> | Grid 8 <b>M4</b><br><b>26.12 dBV/m</b> | Grid 9 <b>M4</b><br><b>25.57 dBV/m</b> |



0 dB = 20.22 V/m = 26.12 dBV/m

## HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1) @ 2437 MHz; Calibrated: 7/22/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/10/2020
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

### 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 = 32.06 V/m; Power Drift = -0.10 dB

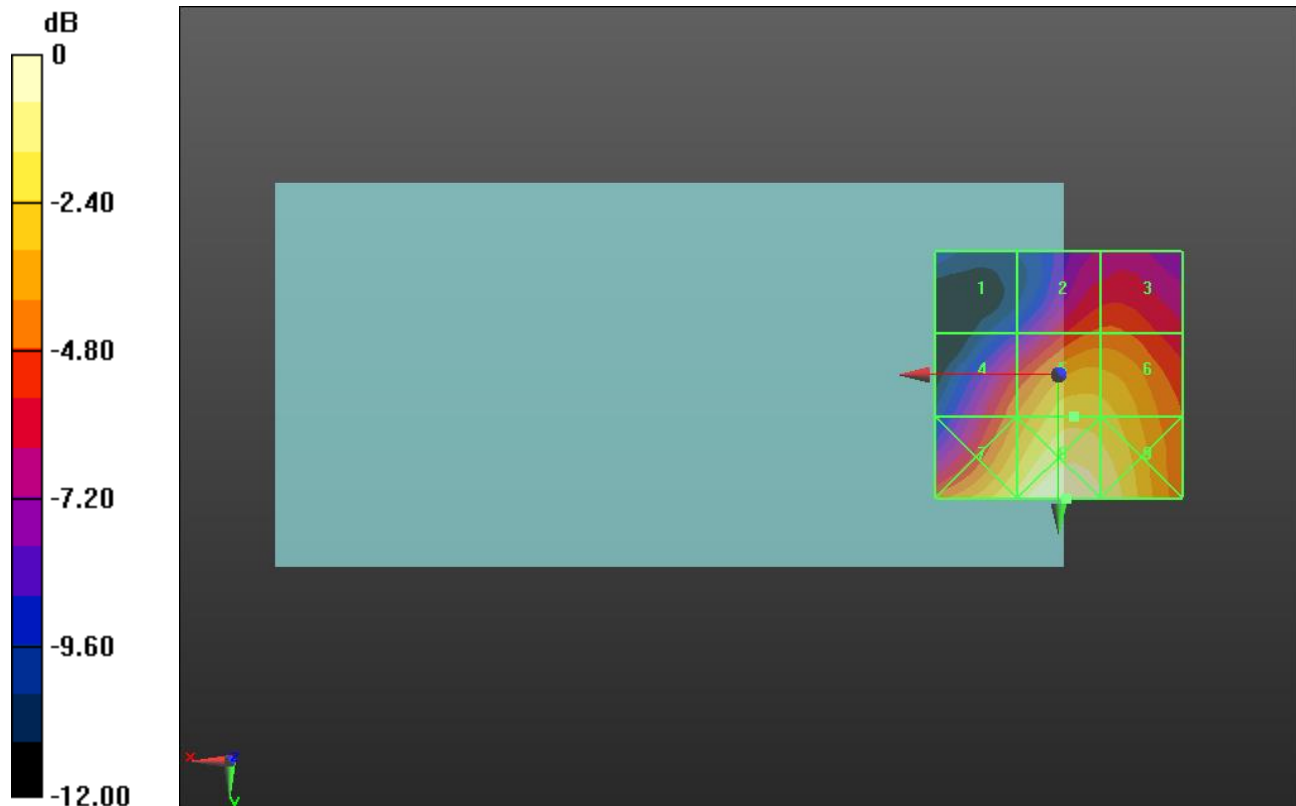
Applied MIF = -2.02 dB

RF audio interference level = 26.78 dBV/m

Emission category: **M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>19.9 dBV/m</b>  | Grid 2 <b>M4</b><br><b>24.05 dBV/m</b> | Grid 3 <b>M4</b><br><b>24.09 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>24.67 dBV/m</b> | Grid 5 <b>M4</b><br><b>26.78 dBV/m</b> | Grid 6 <b>M4</b><br><b>26.62 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>27.4 dBV/m</b>  | Grid 8 <b>M4</b><br><b>28.63 dBV/m</b> | Grid 9 <b>M4</b><br><b>28 dBV/m</b>    |



0 dB = 27.00 V/m = 28.63 dBV/m

## HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1) @ 2462 MHz; Calibrated: 7/22/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/10/2020
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

### 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 = 28.14 V/m; Power Drift = 0.11 dB

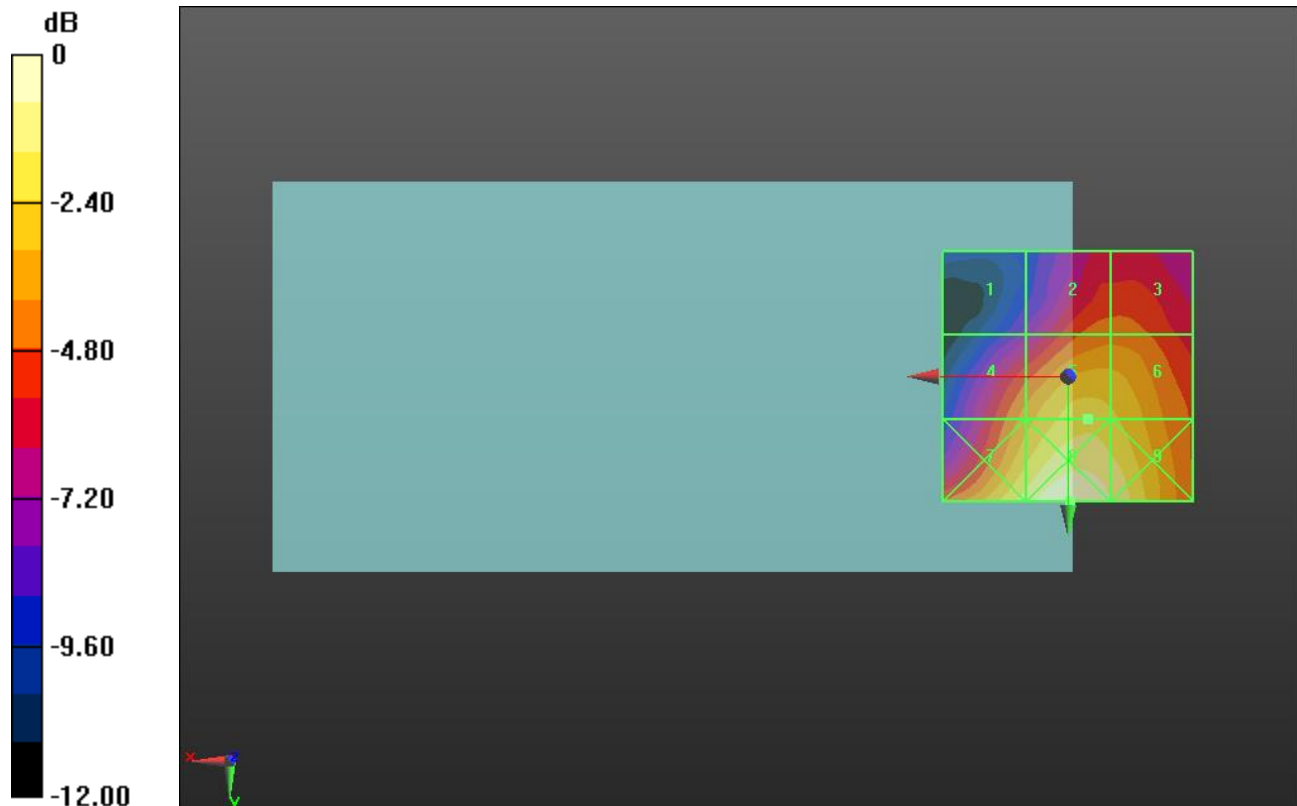
Applied MIF = -2.02 dB

RF audio interference level = 25.81 dBV/m

Emission category: **M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>20.12 dBV/m</b> | Grid 2 <b>M4</b><br><b>23.37 dBV/m</b> | Grid 3 <b>M4</b><br><b>23.37 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>24.14 dBV/m</b> | Grid 5 <b>M4</b><br><b>25.81 dBV/m</b> | Grid 6 <b>M4</b><br><b>25.5 dBV/m</b>  |
| Grid 7 <b>M4</b><br><b>26.57 dBV/m</b> | Grid 8 <b>M4</b><br><b>27.7 dBV/m</b>  | Grid 9 <b>M4</b><br><b>26.93 dBV/m</b> |



0 dB = 24.26 V/m = 27.70 dBV/m

## HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1) @ 2422 MHz; Calibrated: 7/22/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/10/2020
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

### 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 = 22.83 V/m; Power Drift = 0.02 dB

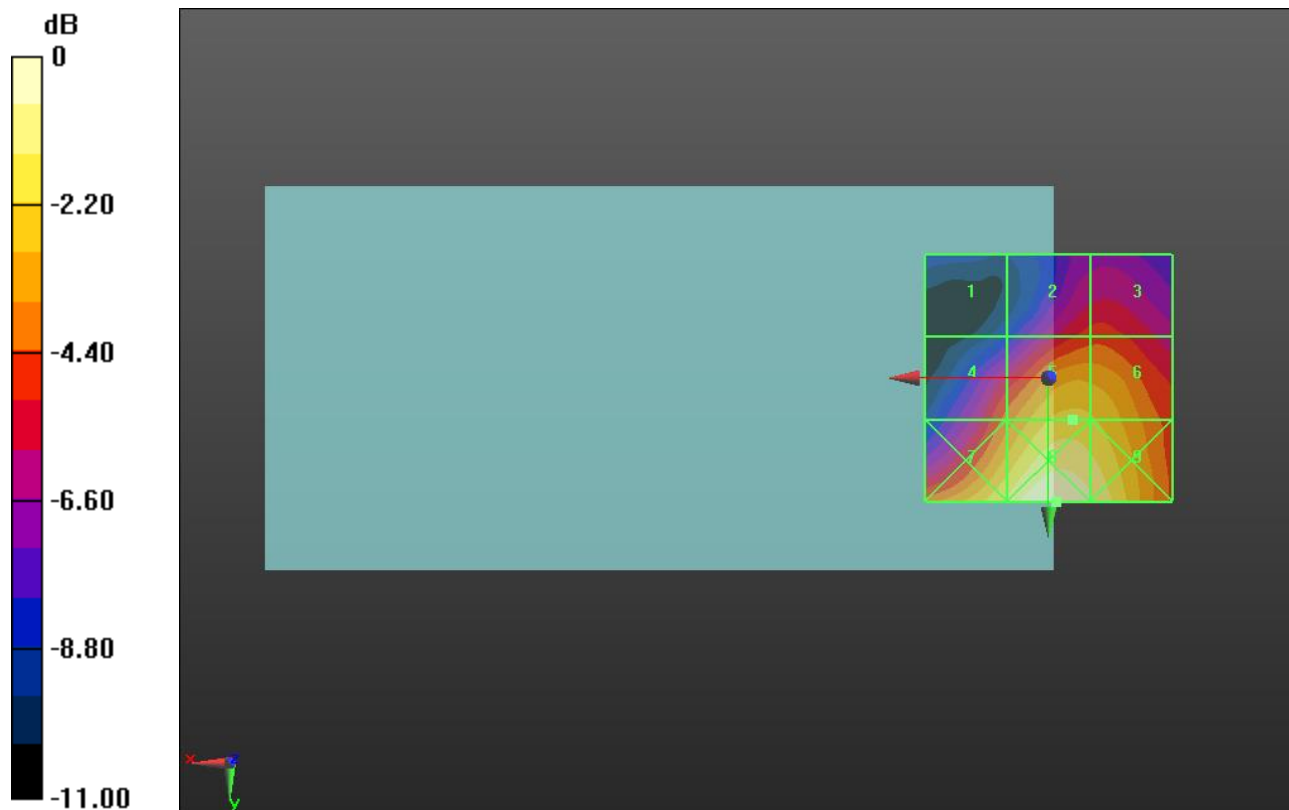
Applied MIF = 0.12 dB

RF audio interference level = 26.07 dBV/m

Emission category: **M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>19.34 dBV/m</b> | Grid 2 <b>M4</b><br><b>23.26 dBV/m</b> | Grid 3 <b>M4</b><br><b>23.33 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>23.95 dBV/m</b> | Grid 5 <b>M4</b><br><b>26.07 dBV/m</b> | Grid 6 <b>M4</b><br><b>25.9 dBV/m</b>  |
| Grid 7 <b>M4</b><br><b>26.73 dBV/m</b> | Grid 8 <b>M4</b><br><b>27.98 dBV/m</b> | Grid 9 <b>M4</b><br><b>27.38 dBV/m</b> |



0 dB = 25.06 V/m = 27.98 dBV/m

## HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1) @ 2437 MHz; Calibrated: 7/22/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/10/2020
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

## 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 = 27.72 V/m; Power Drift = -0.07 dB

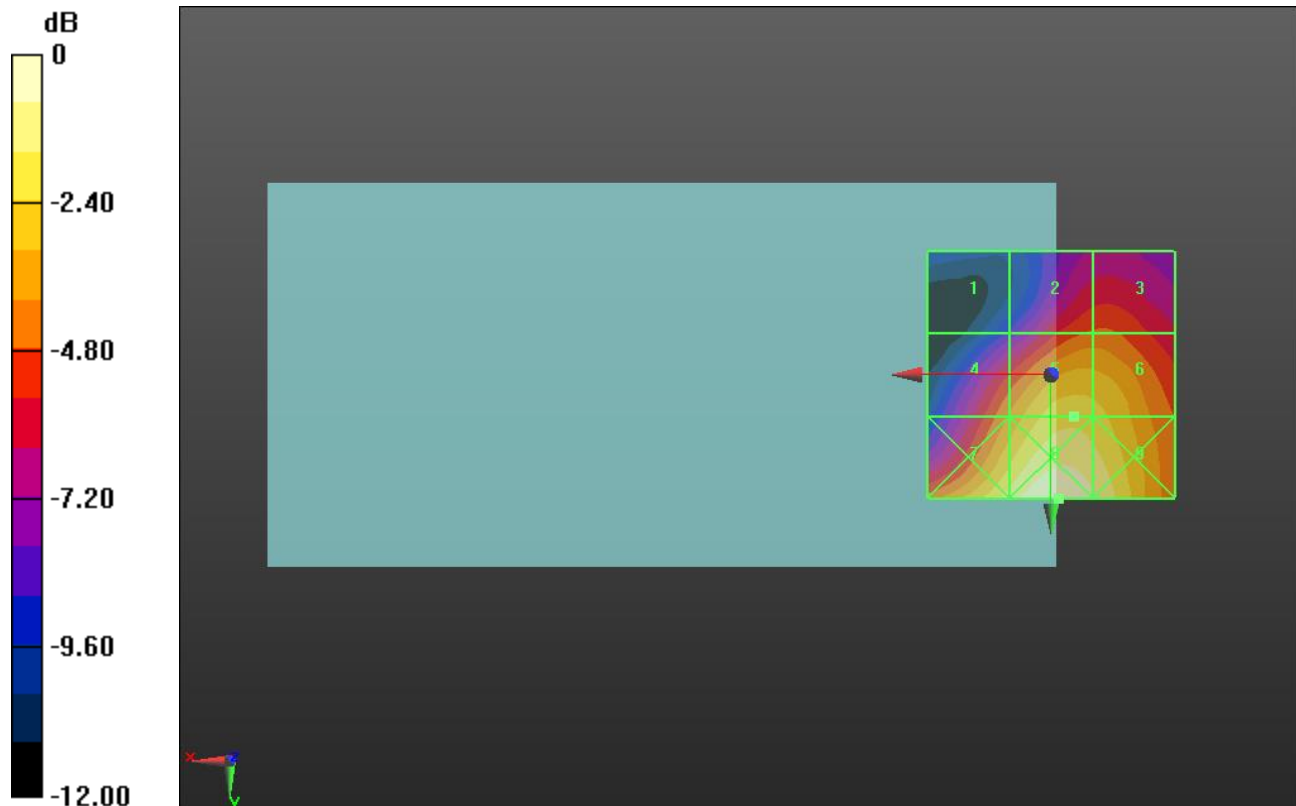
Applied MIF = 0.12 dB

RF audio interference level = 27.64 dBV/m

Emission category: **M4**

MIF scaled E-field

|                                 |                                 |                                 |
|---------------------------------|---------------------------------|---------------------------------|
| Grid 1 <b>M4</b><br>20.95 dBV/m | Grid 2 <b>M4</b><br>24.85 dBV/m | Grid 3 <b>M4</b><br>24.89 dBV/m |
| Grid 4 <b>M4</b><br>25.61 dBV/m | Grid 5 <b>M4</b><br>27.64 dBV/m | Grid 6 <b>M4</b><br>27.44 dBV/m |
| Grid 7 <b>M4</b><br>28.26 dBV/m | Grid 8 <b>M4</b><br>29.5 dBV/m  | Grid 9 <b>M4</b><br>28.84 dBV/m |



0 dB = 29.85 V/m = 29.50 dBV/m

## HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1) @ 2452 MHz; Calibrated: 7/22/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/10/2020
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

## 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 = 24.03 V/m; Power Drift = -0.16 dB

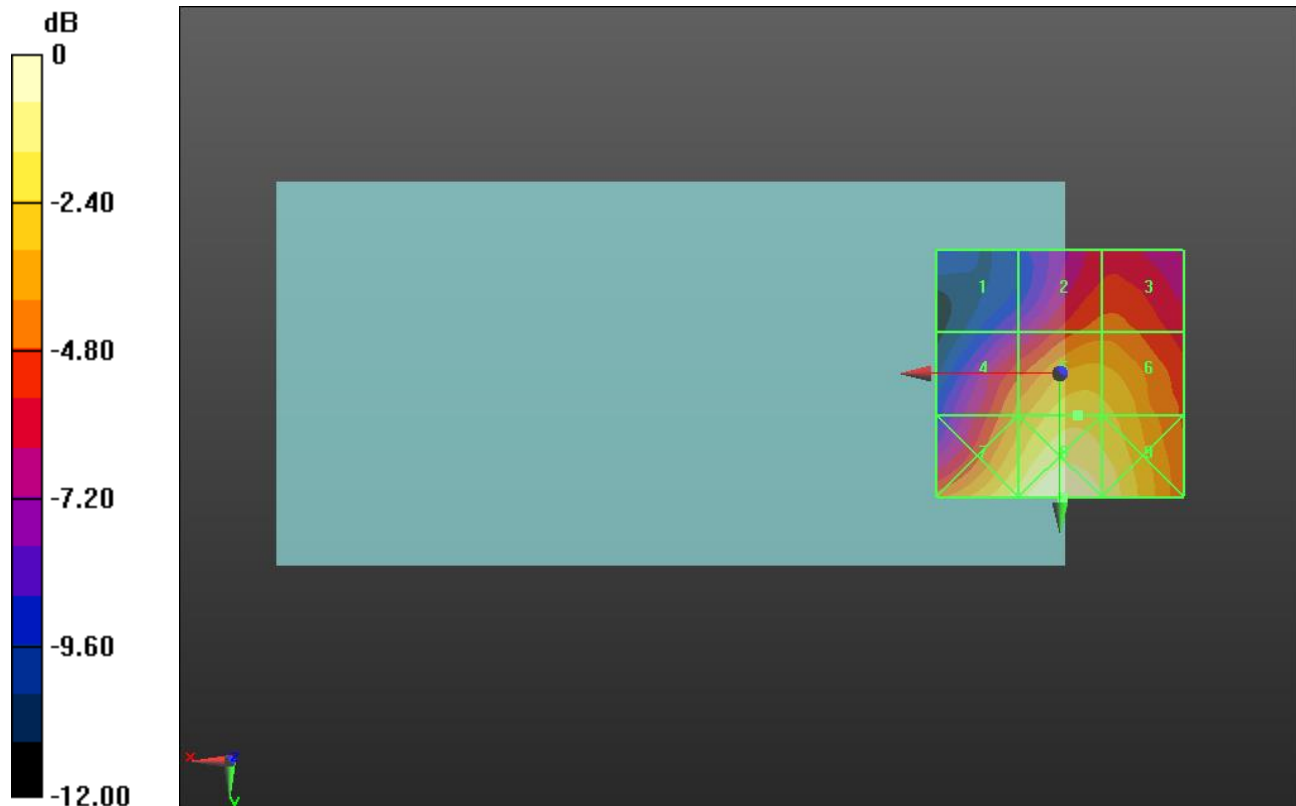
Applied MIF = 0.12 dB

RF audio interference level = 26.31 dBV/m

Emission category: **M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>20.72 dBV/m</b> | Grid 2 <b>M4</b><br><b>23.9 dBV/m</b>  | Grid 3 <b>M4</b><br><b>23.93 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>24.54 dBV/m</b> | Grid 5 <b>M4</b><br><b>26.31 dBV/m</b> | Grid 6 <b>M4</b><br><b>26.08 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>27.03 dBV/m</b> | Grid 8 <b>M4</b><br><b>28.16 dBV/m</b> | Grid 9 <b>M4</b><br><b>27.38 dBV/m</b> |



0 dB = 25.59 V/m = 28.16 dBV/m

## HAC-RF Emission

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 - SN4028; ConvF(1, 1, 1) @ 5200 MHz; Calibrated: 7/22/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/10/2020
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

### 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 = 7.932 V/m; Power Drift = -0.21 dB

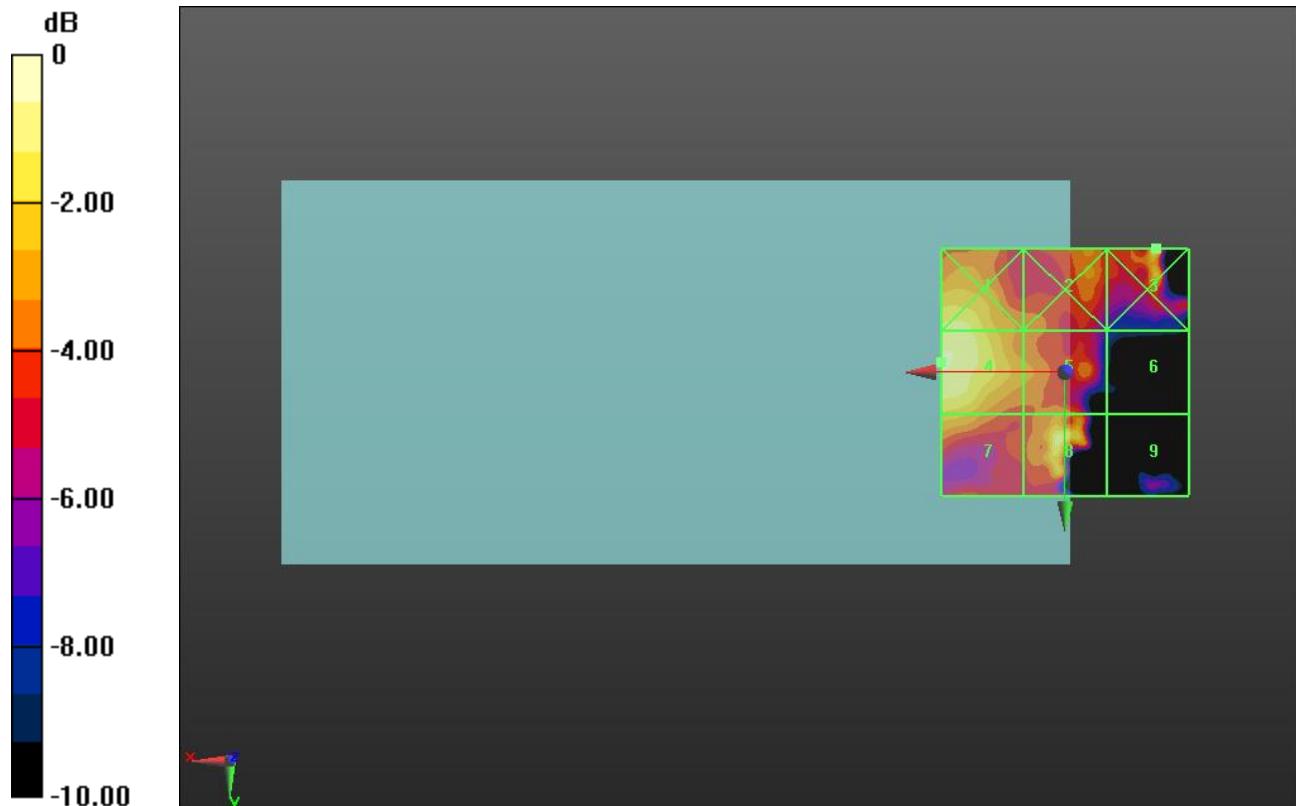
Applied MIF = -5.82 dB

RF audio interference level = 14.68 dBV/m

Emission category: **M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>14.28 dBV/m</b> | Grid 2 <b>M4</b><br><b>12.16 dBV/m</b> | Grid 3 <b>M4</b><br><b>15.29 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>14.68 dBV/m</b> | Grid 5 <b>M4</b><br><b>12.22 dBV/m</b> | Grid 6 <b>M4</b><br><b>7.97 dBV/m</b>  |
| Grid 7 <b>M4</b><br><b>13.1 dBV/m</b>  | Grid 8 <b>M4</b><br><b>14.28 dBV/m</b> | Grid 9 <b>M4</b><br><b>9 dBV/m</b>     |



0 dB = 5.813 V/m = 15.29 dBV/m

## HAC-RF Emission

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 - SN4028; ConvF(1, 1, 1) @ 5220 MHz; Calibrated: 7/22/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/10/2020
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

### 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 = 8.524 V/m; Power Drift = 0.19 dB

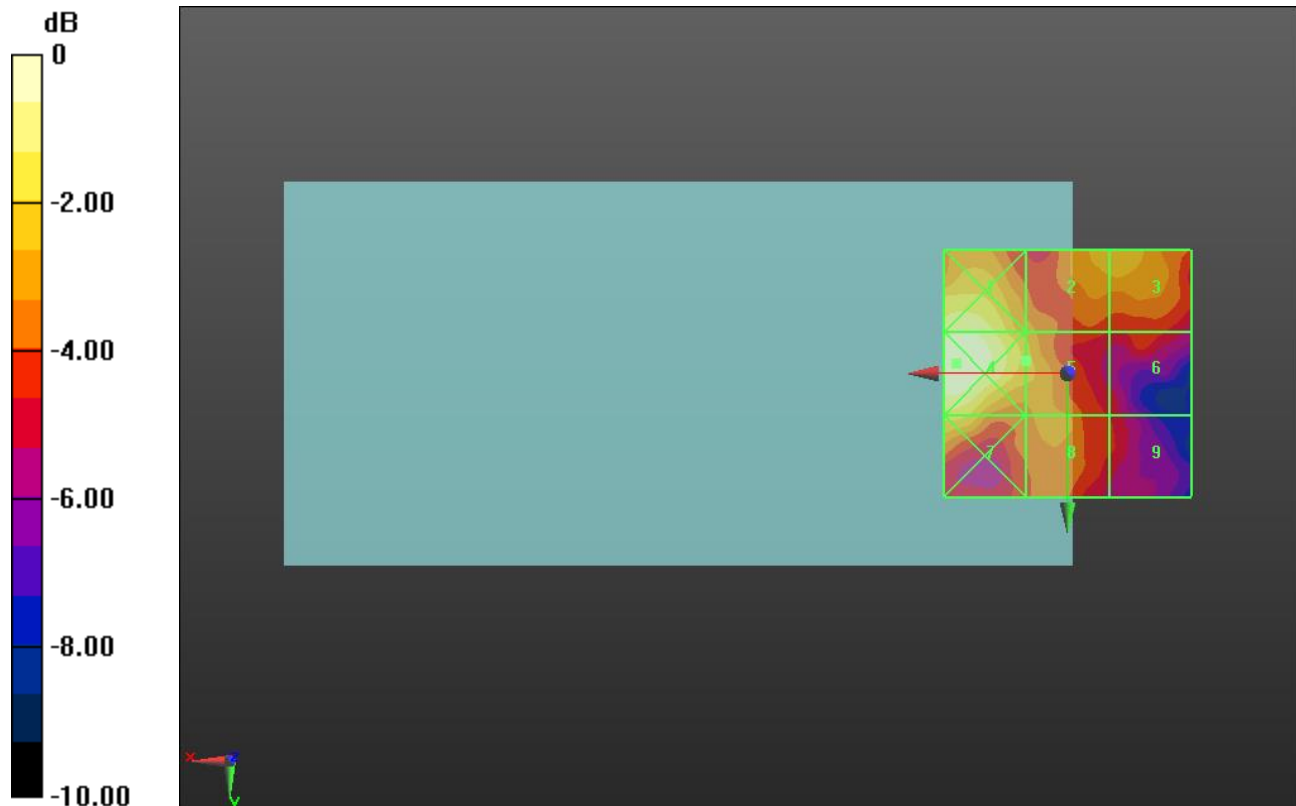
Applied MIF = -5.82 dB

RF audio interference level = 12.88 dBV/m

Emission category: **M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>14.54 dBV/m</b> | Grid 2 <b>M4</b><br><b>12.79 dBV/m</b> | Grid 3 <b>M4</b><br><b>12.79 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>15.16 dBV/m</b> | Grid 5 <b>M4</b><br><b>12.88 dBV/m</b> | Grid 6 <b>M4</b><br><b>10.8 dBV/m</b>  |
| Grid 7 <b>M4</b><br><b>13.5 dBV/m</b>  | Grid 8 <b>M4</b><br><b>12.12 dBV/m</b> | Grid 9 <b>M4</b><br><b>10.66 dBV/m</b> |



0 dB = 5.730 V/m = 15.16 dBV/m

## HAC-RF Emission

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 - SN4028; ConvF(1, 1, 1) @ 5240 MHz; Calibrated: 7/22/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/10/2020
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

### 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 = 8.704 V/m; Power Drift = -2.25 dB

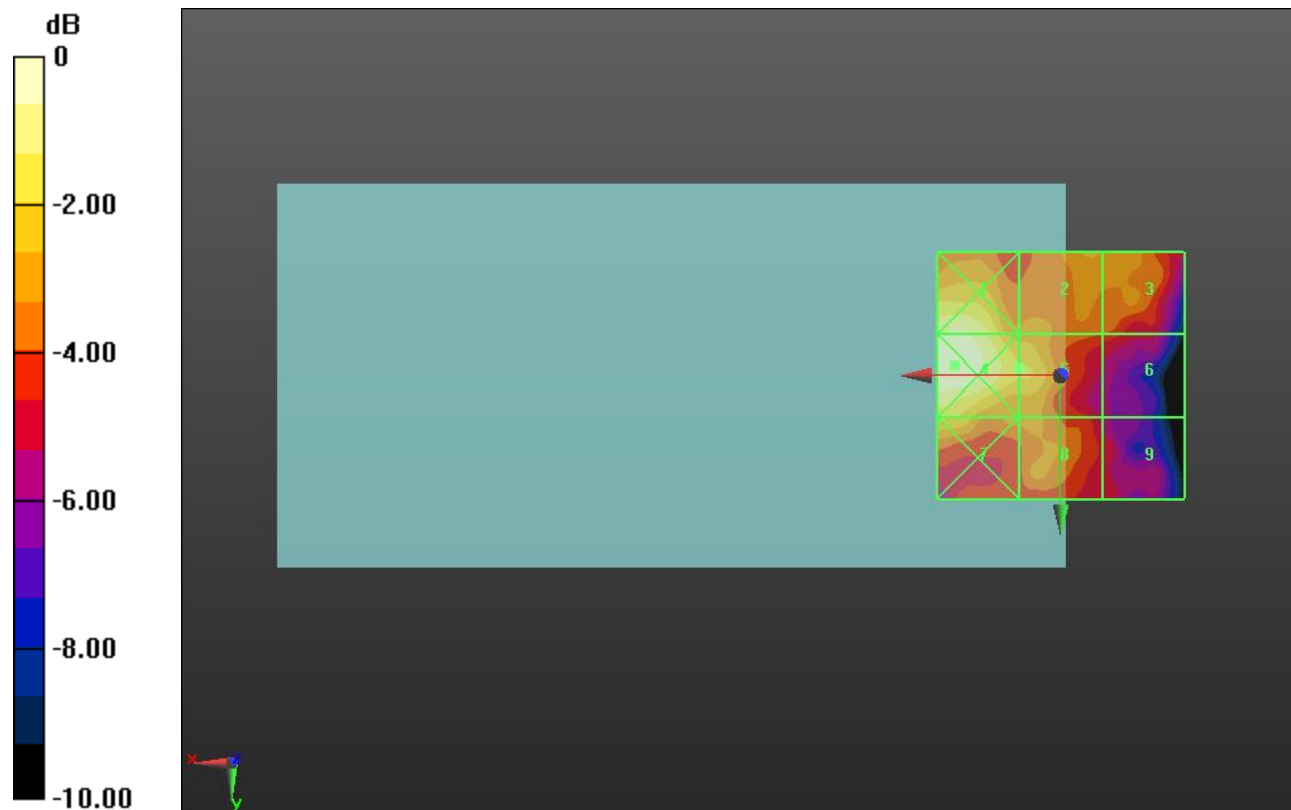
Applied MIF = -5.82 dB

RF audio interference level = 13.10 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>14.48 dBV/m</b> | Grid 2 <b>M4</b><br><b>12.44 dBV/m</b> | Grid 3 <b>M4</b><br><b>12.31 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>15 dBV/m</b>    | Grid 5 <b>M4</b><br><b>13.1 dBV/m</b>  | Grid 6 <b>M4</b><br><b>11 dBV/m</b>    |
| Grid 7 <b>M4</b><br><b>13.15 dBV/m</b> | Grid 8 <b>M4</b><br><b>11.91 dBV/m</b> | Grid 9 <b>M4</b><br><b>10.36 dBV/m</b> |



0 dB = 5.622 V/m = 15.00 dBV/m

## HAC-RF Emission

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 - SN4028; ConvF(1, 1, 1) @ 5260 MHz; Calibrated: 7/22/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/10/2020
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

### 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 = 7.037 V/m; Power Drift = -0.13 dB

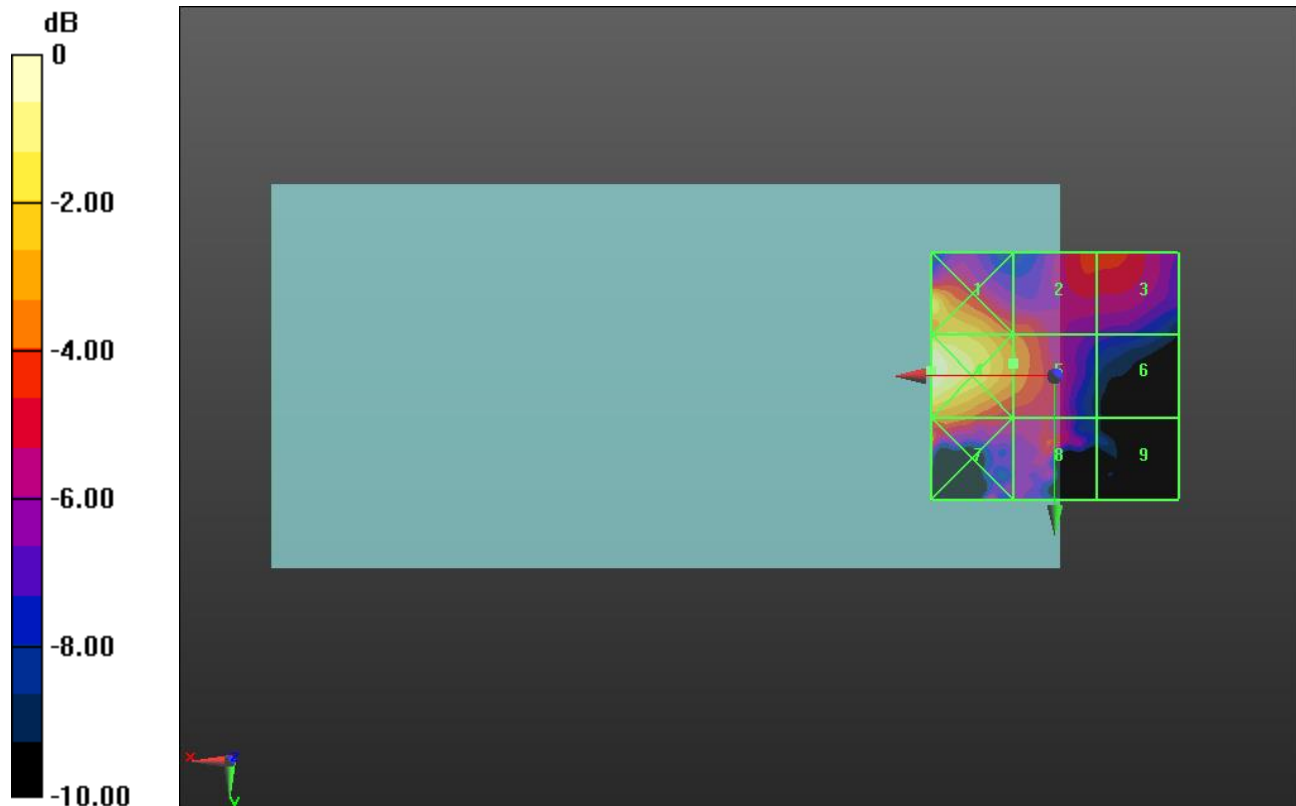
Applied MIF = -5.82 dB

RF audio interference level = 11.52 dBV/m

Emission category: **M4**

MIF scaled E-field

|                                        |                                        |                                       |
|----------------------------------------|----------------------------------------|---------------------------------------|
| Grid 1 <b>M4</b><br><b>13.52 dBV/m</b> | Grid 2 <b>M4</b><br><b>10.68 dBV/m</b> | Grid 3 <b>M4</b><br><b>10.3 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>14.64 dBV/m</b> | Grid 5 <b>M4</b><br><b>11.52 dBV/m</b> | Grid 6 <b>M4</b><br><b>7.83 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>11.32 dBV/m</b> | Grid 8 <b>M4</b><br><b>10.08 dBV/m</b> | Grid 9 <b>M4</b><br><b>6.51 dBV/m</b> |



0 dB = 5.395 V/m = 14.64 dBV/m

## HAC-RF Emission

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 - SN4028; ConvF(1, 1, 1) @ 5280 MHz; Calibrated: 7/22/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/10/2020
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

### 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 = 7.665 V/m; Power Drift = -0.07 dB

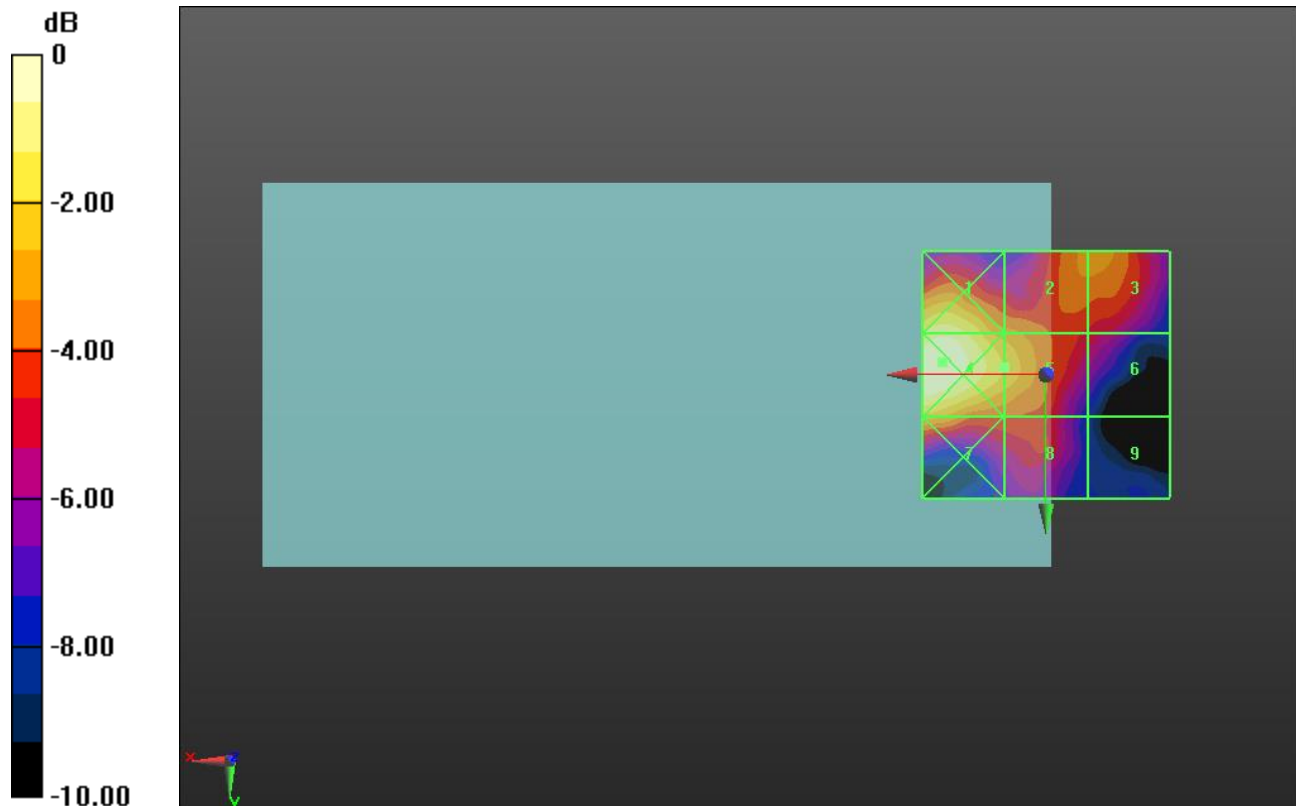
Applied MIF = -5.82 dB

RF audio interference level = 11.69 dBV/m

Emission category: **M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>12.86 dBV/m</b> | Grid 2 <b>M4</b><br><b>10.69 dBV/m</b> | Grid 3 <b>M4</b><br><b>10.52 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>13.72 dBV/m</b> | Grid 5 <b>M4</b><br><b>11.69 dBV/m</b> | Grid 6 <b>M4</b><br><b>8.91 dBV/m</b>  |
| Grid 7 <b>M4</b><br><b>11.49 dBV/m</b> | Grid 8 <b>M4</b><br><b>9.8 dBV/m</b>   | Grid 9 <b>M4</b><br><b>5.9 dBV/m</b>   |



0 dB = 4.855 V/m = 13.72 dBV/m

## HAC-RF Emission

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 - SN4028; ConvF(1, 1, 1) @ 5300 MHz; Calibrated: 7/22/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/10/2020
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

### 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 = 8.255 V/m; Power Drift = -0.29 dB

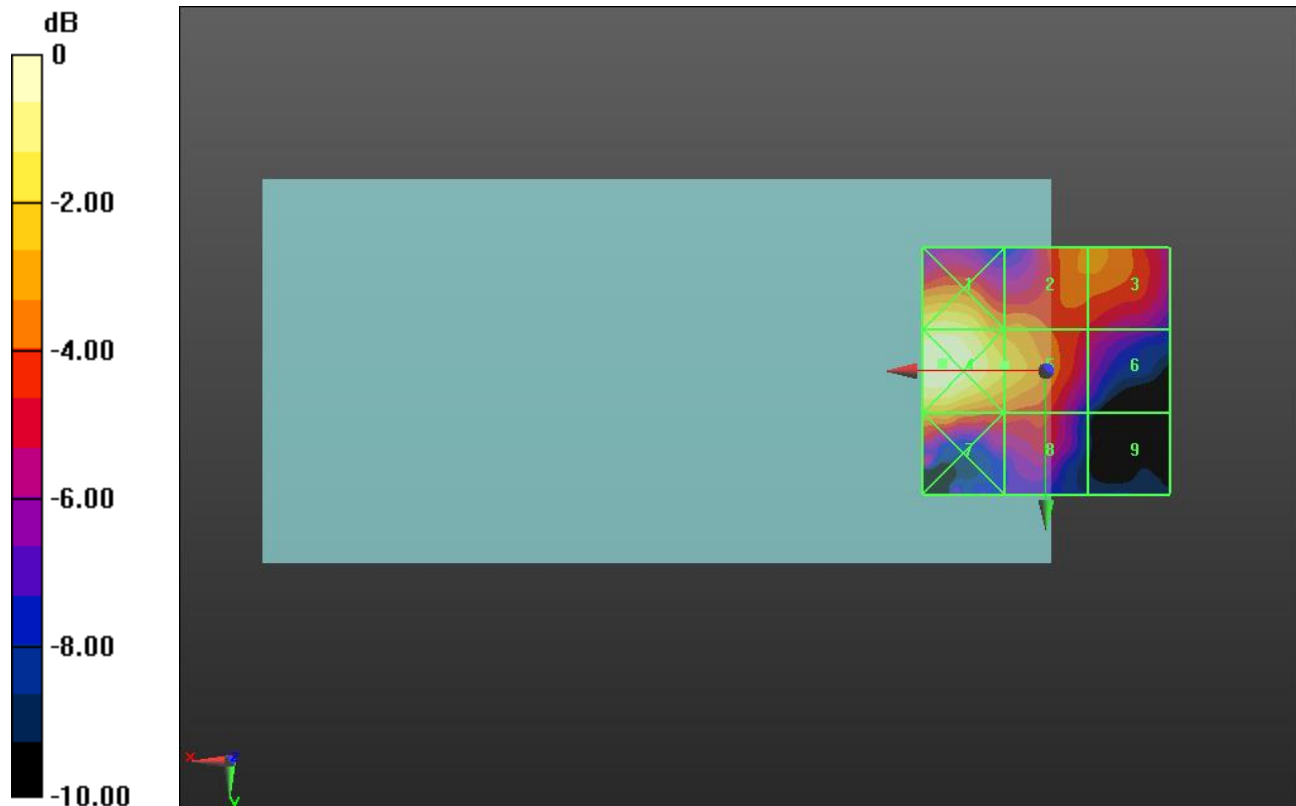
Applied MIF = -5.82 dB

RF audio interference level = 11.95 dBV/m

Emission category: **M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>13 dBV/m</b>    | Grid 2 <b>M4</b><br><b>10.76 dBV/m</b> | Grid 3 <b>M4</b><br><b>10.67 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>13.88 dBV/m</b> | Grid 5 <b>M4</b><br><b>11.95 dBV/m</b> | Grid 6 <b>M4</b><br><b>9.05 dBV/m</b>  |
| Grid 7 <b>M4</b><br><b>11.28 dBV/m</b> | Grid 8 <b>M4</b><br><b>9.86 dBV/m</b>  | Grid 9 <b>M4</b><br><b>5.46 dBV/m</b>  |



0 dB = 4.945 V/m = 13.88 dBV/m

## HAC-RF Emission

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 - SN4028; ConvF(1, 1, 1) @ 5520 MHz; Calibrated: 7/22/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/10/2020
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

### 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 = 8.869 V/m; Power Drift = -0.30 dB

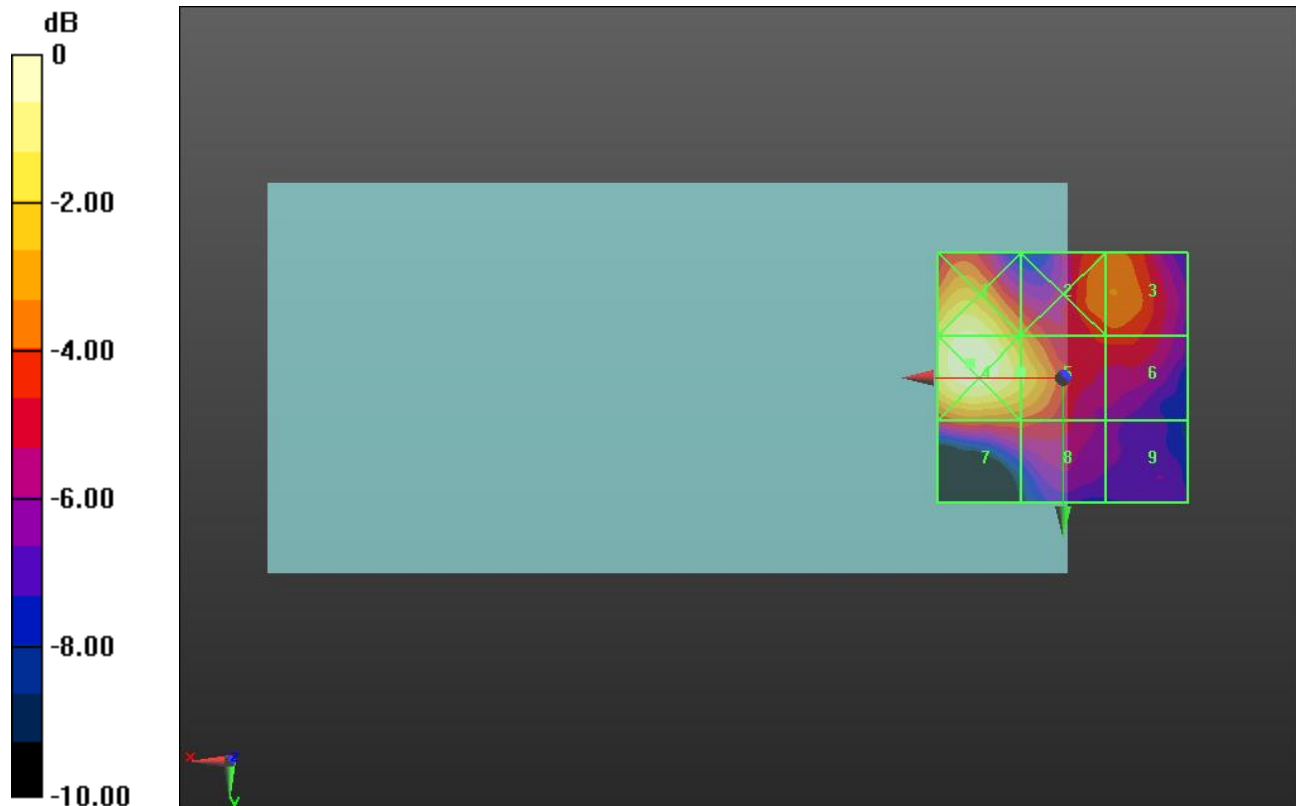
Applied MIF = -5.82 dB

RF audio interference level = 13.67 dBV/m

Emission category: **M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>14.9 dBV/m</b>  | Grid 2 <b>M4</b><br><b>12.26 dBV/m</b> | Grid 3 <b>M4</b><br><b>12.06 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>15.37 dBV/m</b> | Grid 5 <b>M4</b><br><b>13.67 dBV/m</b> | Grid 6 <b>M4</b><br><b>11.14 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>11.57 dBV/m</b> | Grid 8 <b>M4</b><br><b>11.27 dBV/m</b> | Grid 9 <b>M4</b><br><b>9.15 dBV/m</b>  |



## HAC-RF Emission

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 - SN4028; ConvF(1, 1, 1) @ 5620 MHz; Calibrated: 7/22/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/10/2020
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

### 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 = 8.092 V/m; Power Drift = -0.05 dB

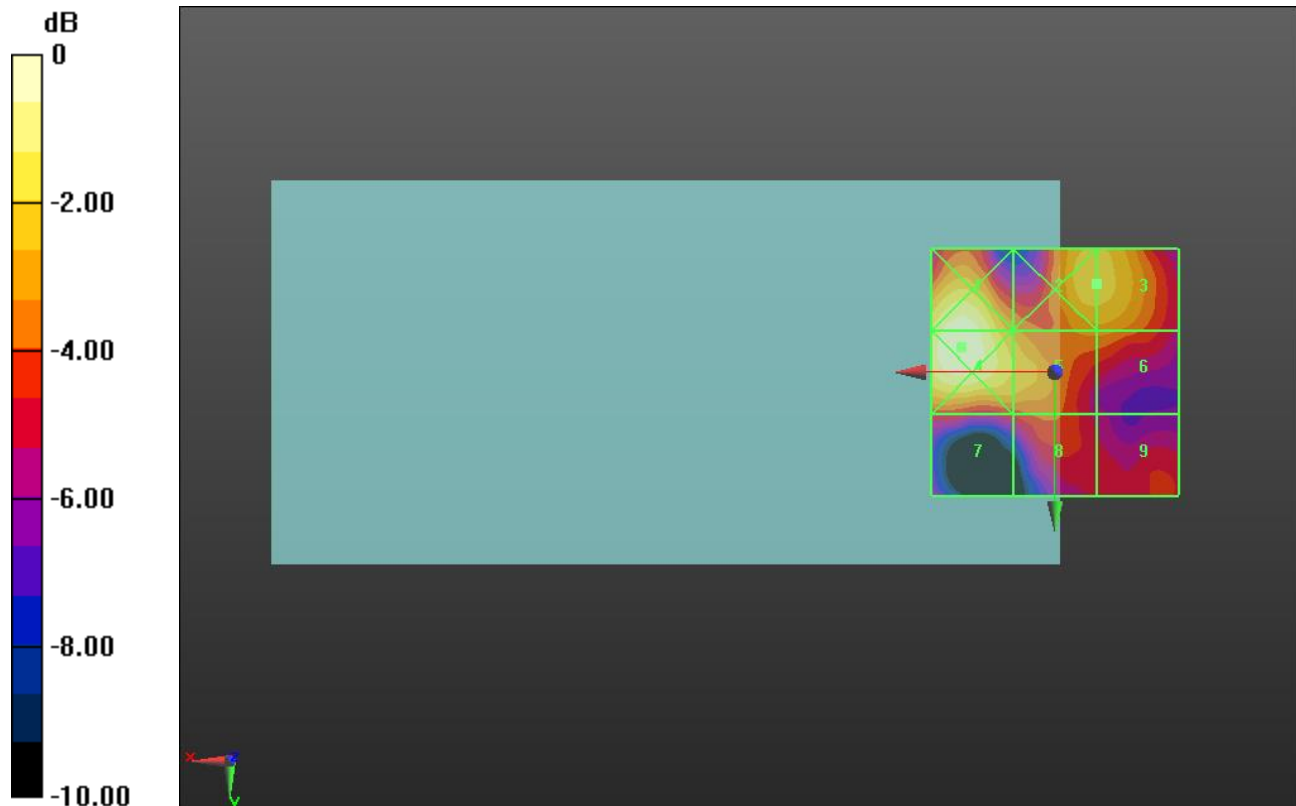
Applied MIF = -5.82 dB

RF audio interference level = 12.37 dBV/m

Emission category: **M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>13.79 dBV/m</b> | Grid 2 <b>M4</b><br><b>12.54 dBV/m</b> | Grid 3 <b>M4</b><br><b>12.37 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>13.99 dBV/m</b> | Grid 5 <b>M4</b><br><b>12.06 dBV/m</b> | Grid 6 <b>M4</b><br><b>11.02 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>9.51 dBV/m</b>  | Grid 8 <b>M4</b><br><b>10.2 dBV/m</b>  | Grid 9 <b>M4</b><br><b>9.45 dBV/m</b>  |



0 dB = 5.008 V/m = 13.99 dBV/m

## HAC-RF Emission

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 - SN4028; ConvF(1, 1, 1) @ 5720 MHz; Calibrated: 7/22/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/10/2020
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

### 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 = 7.267 V/m; Power Drift = -0.11 dB

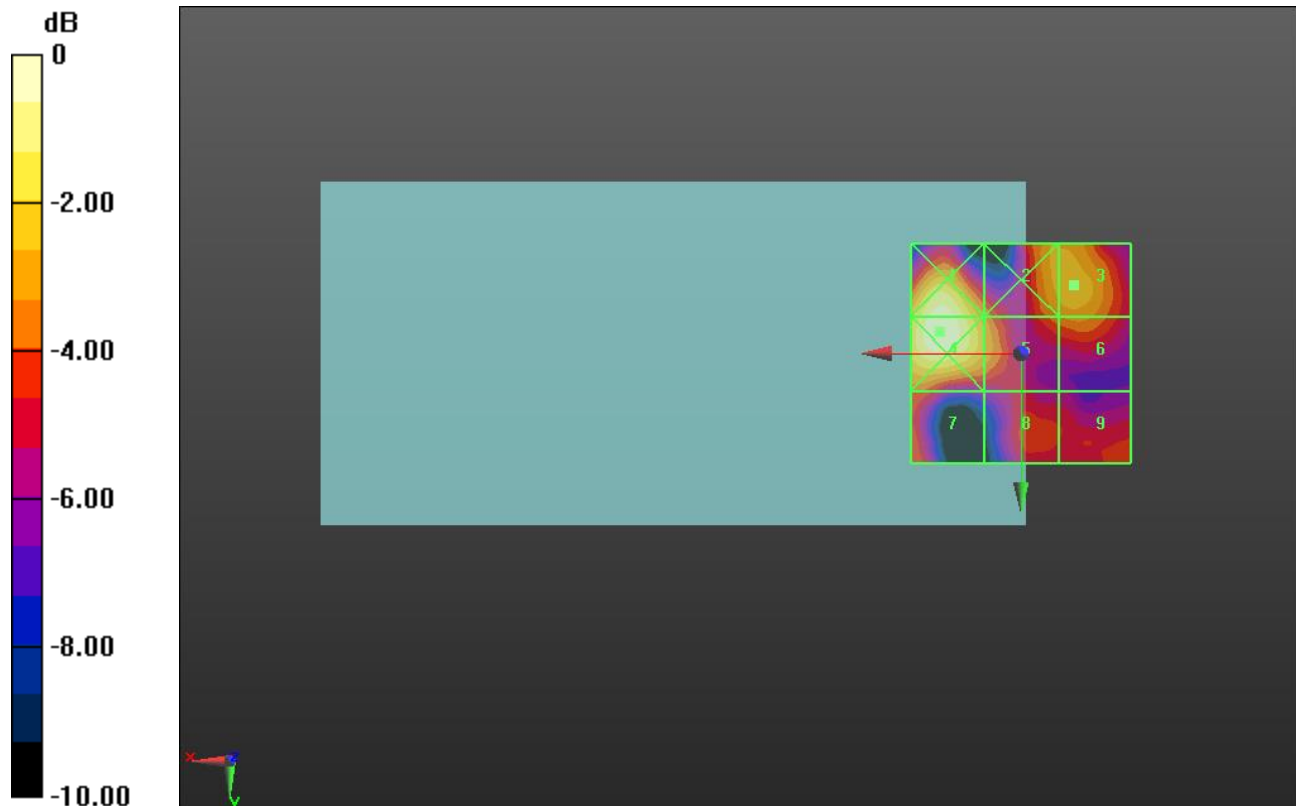
Applied MIF = -5.82 dB

RF audio interference level = 12.36 dBV/m

Emission category: **M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>14.3 dBV/m</b>  | Grid 2 <b>M4</b><br><b>12.12 dBV/m</b> | Grid 3 <b>M4</b><br><b>12.36 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>14.51 dBV/m</b> | Grid 5 <b>M4</b><br><b>12.05 dBV/m</b> | Grid 6 <b>M4</b><br><b>11.5 dBV/m</b>  |
| Grid 7 <b>M4</b><br><b>10.68 dBV/m</b> | Grid 8 <b>M4</b><br><b>10.34 dBV/m</b> | Grid 9 <b>M4</b><br><b>10.27 dBV/m</b> |



0 dB = 5.318 V/m = 14.51 dBV/m

## HAC-RF Emission

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 - SN4028; ConvF(1, 1, 1) @ 5745 MHz; Calibrated: 7/22/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/10/2020
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

### 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 = 7.054 V/m; Power Drift = -0.45 dB

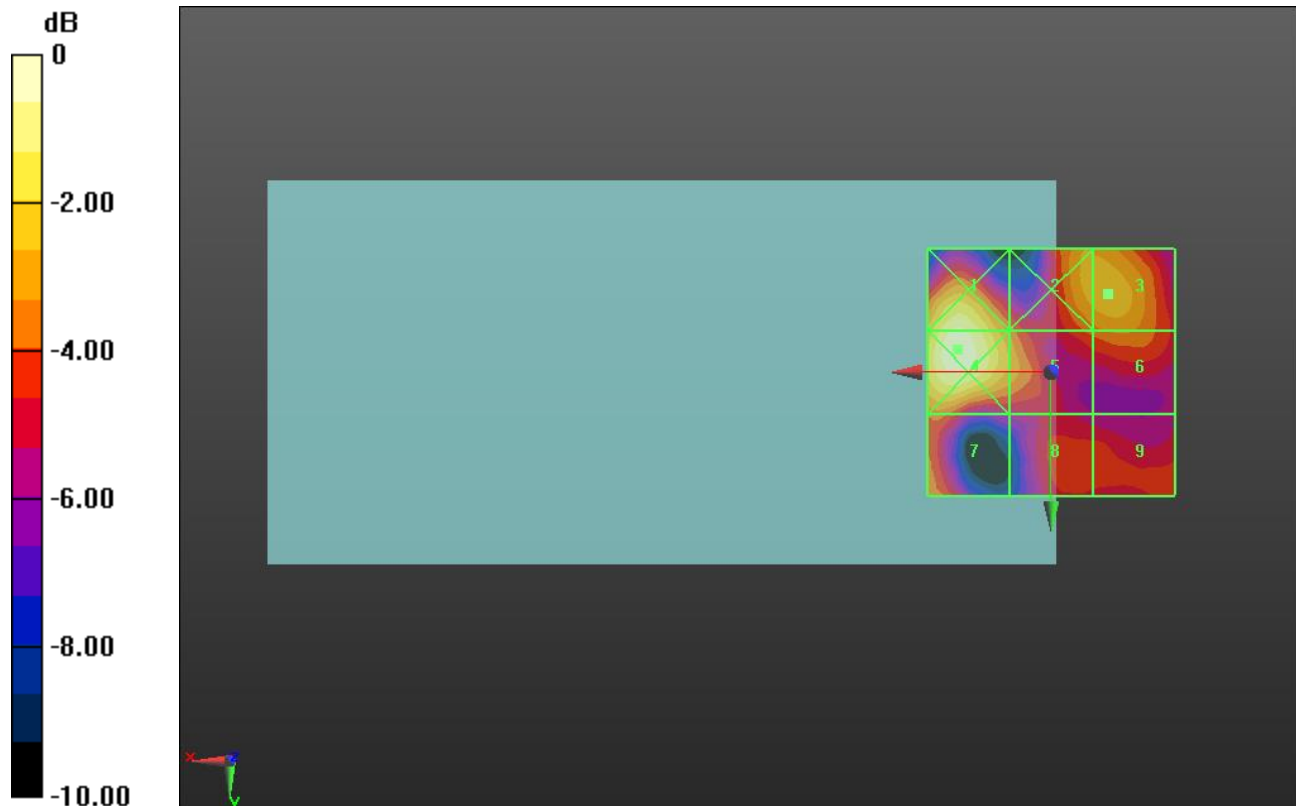
Applied MIF = -5.82 dB

RF audio interference level = 12.33 dBV/m

Emission category: **M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>13.95 dBV/m</b> | Grid 2 <b>M4</b><br><b>12.15 dBV/m</b> | Grid 3 <b>M4</b><br><b>12.33 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>14.48 dBV/m</b> | Grid 5 <b>M4</b><br><b>11.79 dBV/m</b> | Grid 6 <b>M4</b><br><b>11.31 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>10.86 dBV/m</b> | Grid 8 <b>M4</b><br><b>10.41 dBV/m</b> | Grid 9 <b>M4</b><br><b>10.31 dBV/m</b> |



0 dB = 5.298 V/m = 14.48 dBV/m

## HAC-RF Emission

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 - SN4028; ConvF(1, 1, 1) @ 5785 MHz; Calibrated: 7/22/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/10/2020
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

### 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 = 5.593 V/m; Power Drift = -0.37 dB

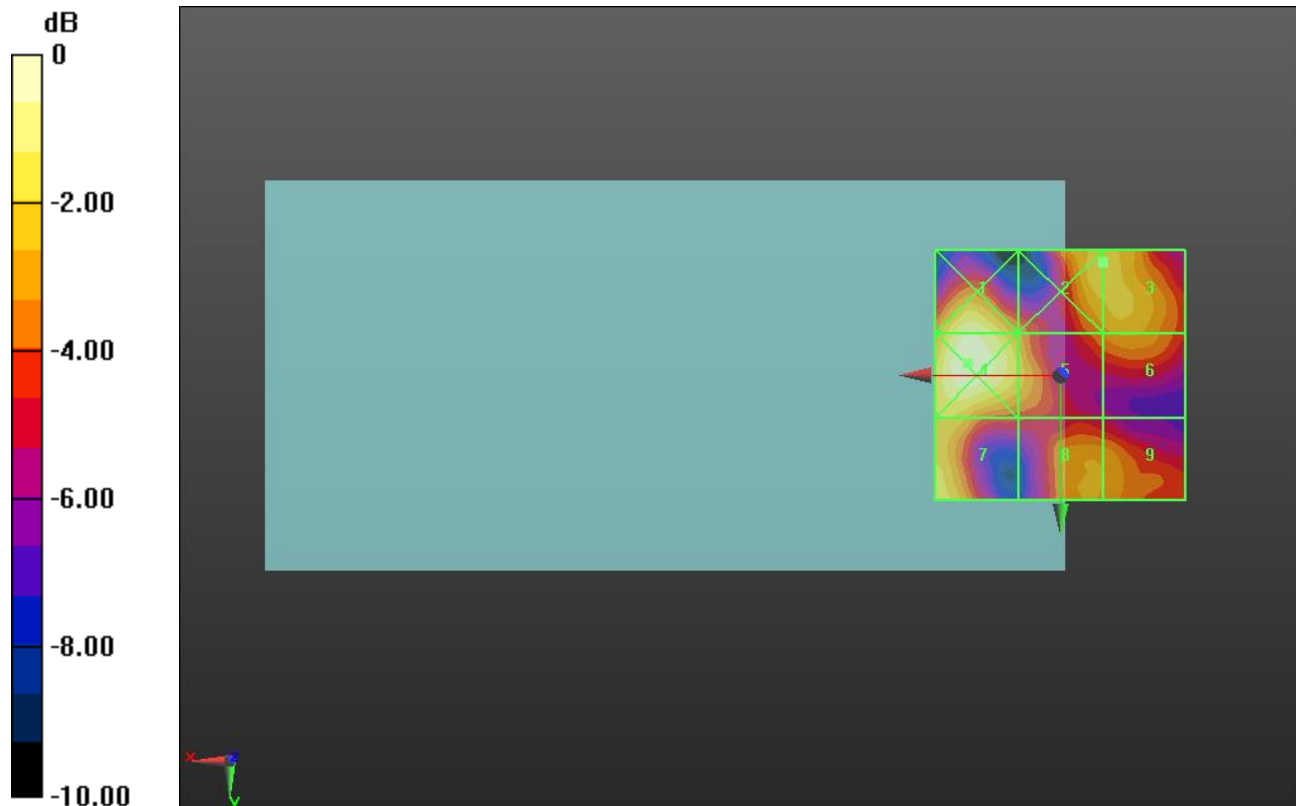
Applied MIF = -5.82 dB

RF audio interference level = 10.89 dBV/m

Emission category: **M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>11.89 dBV/m</b> | Grid 2 <b>M4</b><br><b>10.92 dBV/m</b> | Grid 3 <b>M4</b><br><b>10.89 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>12.53 dBV/m</b> | Grid 5 <b>M4</b><br><b>10.41 dBV/m</b> | Grid 6 <b>M4</b><br><b>10.02 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>10.74 dBV/m</b> | Grid 8 <b>M4</b><br><b>10.02 dBV/m</b> | Grid 9 <b>M4</b><br><b>9.9 dBV/m</b>   |



0 dB = 4.229 V/m = 12.52 dBV/m

## HAC-RF Emission

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 - SN4028; ConvF(1, 1, 1) @ 5825 MHz; Calibrated: 7/22/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/10/2020
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

### 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 = 6.240 V/m; Power Drift = -0.26 dB

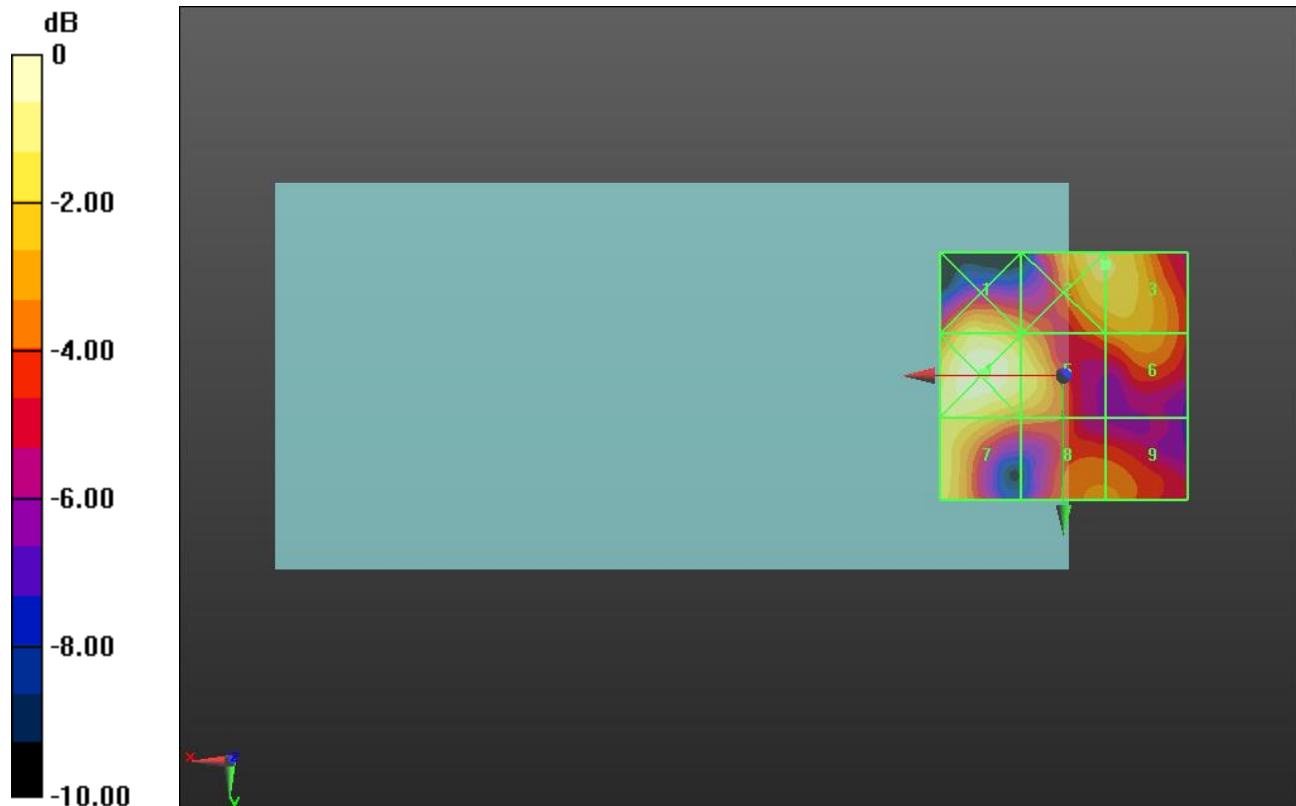
Applied MIF = -5.82 dB

RF audio interference level = 10.92 dBV/m

Emission category: **M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>10.72 dBV/m</b> | Grid 2 <b>M4</b><br><b>11.13 dBV/m</b> | Grid 3 <b>M4</b><br><b>10.92 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>12.1 dBV/m</b>  | Grid 5 <b>M4</b><br><b>10.87 dBV/m</b> | Grid 6 <b>M4</b><br><b>9.5 dBV/m</b>   |
| Grid 7 <b>M4</b><br><b>10.72 dBV/m</b> | Grid 8 <b>M4</b><br><b>9.03 dBV/m</b>  | Grid 9 <b>M4</b><br><b>9.03 dBV/m</b>  |



0 dB = 4.028 V/m = 12.10 dBV/m

## HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1) @ 3560 MHz; Calibrated: 7/22/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/10/2020
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

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

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 10.32 V/m; Power Drift = 0.05 dB

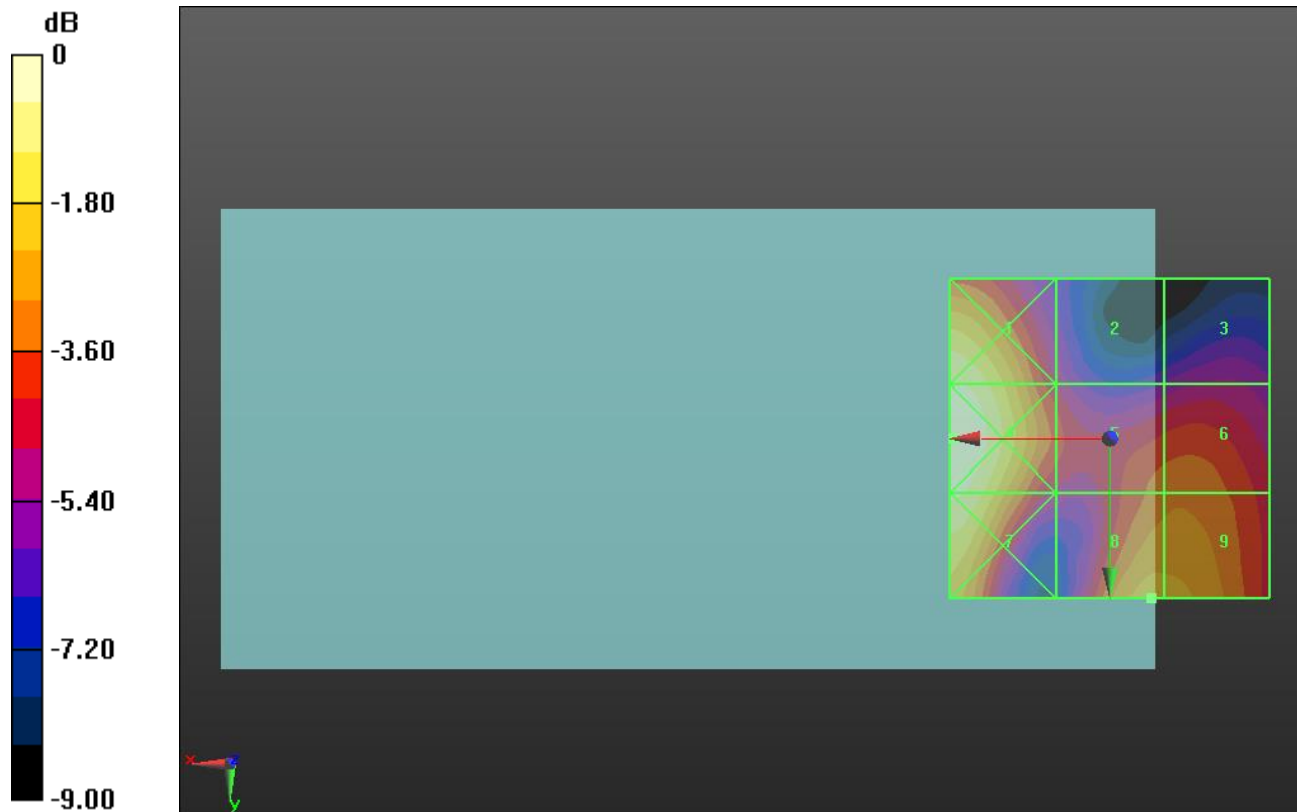
Applied MIF = -1.44 dB

RF audio interference level = 20.80 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>22.28 dBV/m</b> | Grid 2 <b>M4</b><br><b>18.08 dBV/m</b> | Grid 3 <b>M4</b><br><b>17.6 dBV/m</b>  |
| Grid 4 <b>M4</b><br><b>22.82 dBV/m</b> | Grid 5 <b>M4</b><br><b>19.58 dBV/m</b> | Grid 6 <b>M4</b><br><b>19.69 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>22.32 dBV/m</b> | Grid 8 <b>M4</b><br><b>20.8 dBV/m</b>  | Grid 9 <b>M4</b><br><b>20.71 dBV/m</b> |



0 dB = 13.84 V/m = 22.82 dBV/m

## HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1) @ 3603.3 MHz; Calibrated: 7/22/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/10/2020
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

### 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 = 11.54 V/m; Power Drift = -0.16 dB

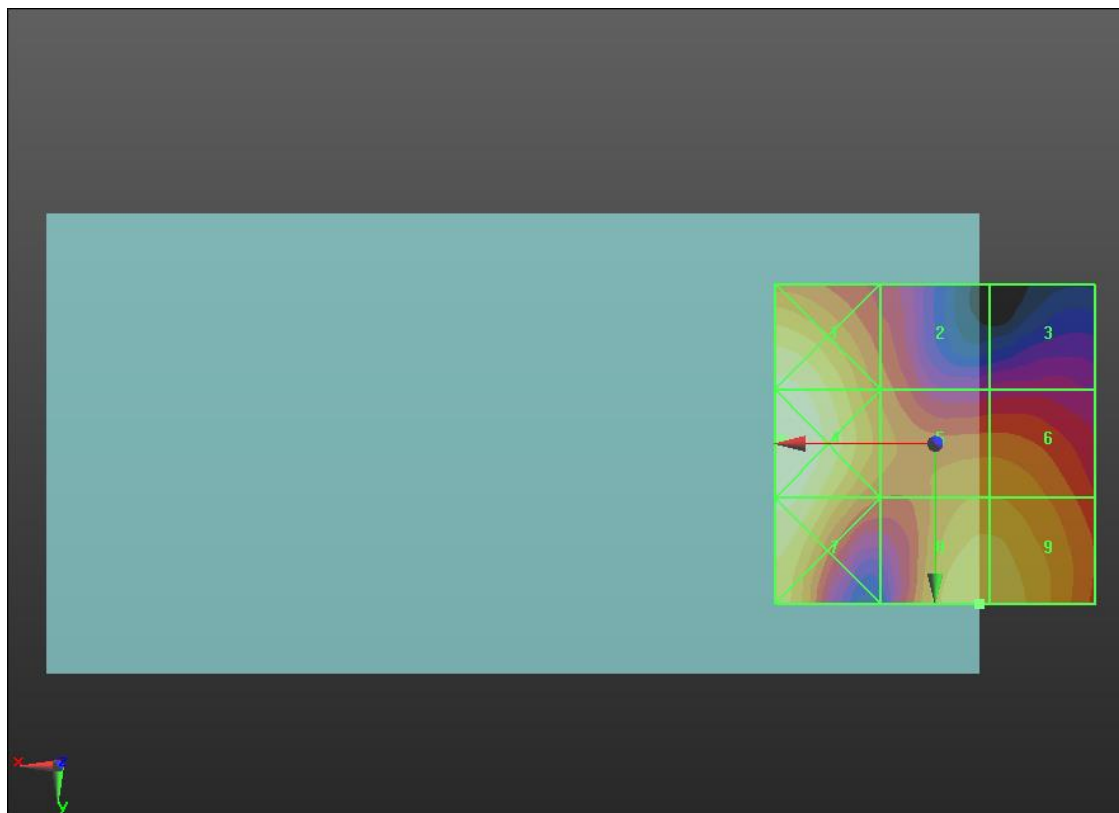
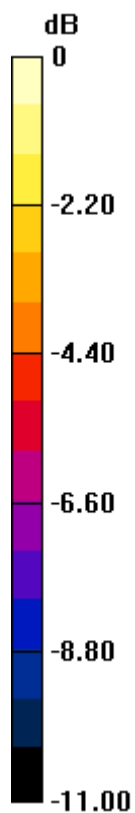
Applied MIF = -1.44 dB

RF audio interference level = 20.82 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>21.77 dBV/m</b> | Grid 2 <b>M4</b><br><b>18.33 dBV/m</b> | Grid 3 <b>M4</b><br><b>16.12 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>22.25 dBV/m</b> | Grid 5 <b>M4</b><br><b>19.39 dBV/m</b> | Grid 6 <b>M4</b><br><b>19.38 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>21.73 dBV/m</b> | Grid 8 <b>M4</b><br><b>20.82 dBV/m</b> | Grid 9 <b>M4</b><br><b>20.74 dBV/m</b> |



0 dB = 12.96 V/m = 22.25 dBV/m

## HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1) @ 3646.7 MHz; Calibrated: 7/22/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/10/2020
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

### 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 = 10.95 V/m; Power Drift = -0.10 dB

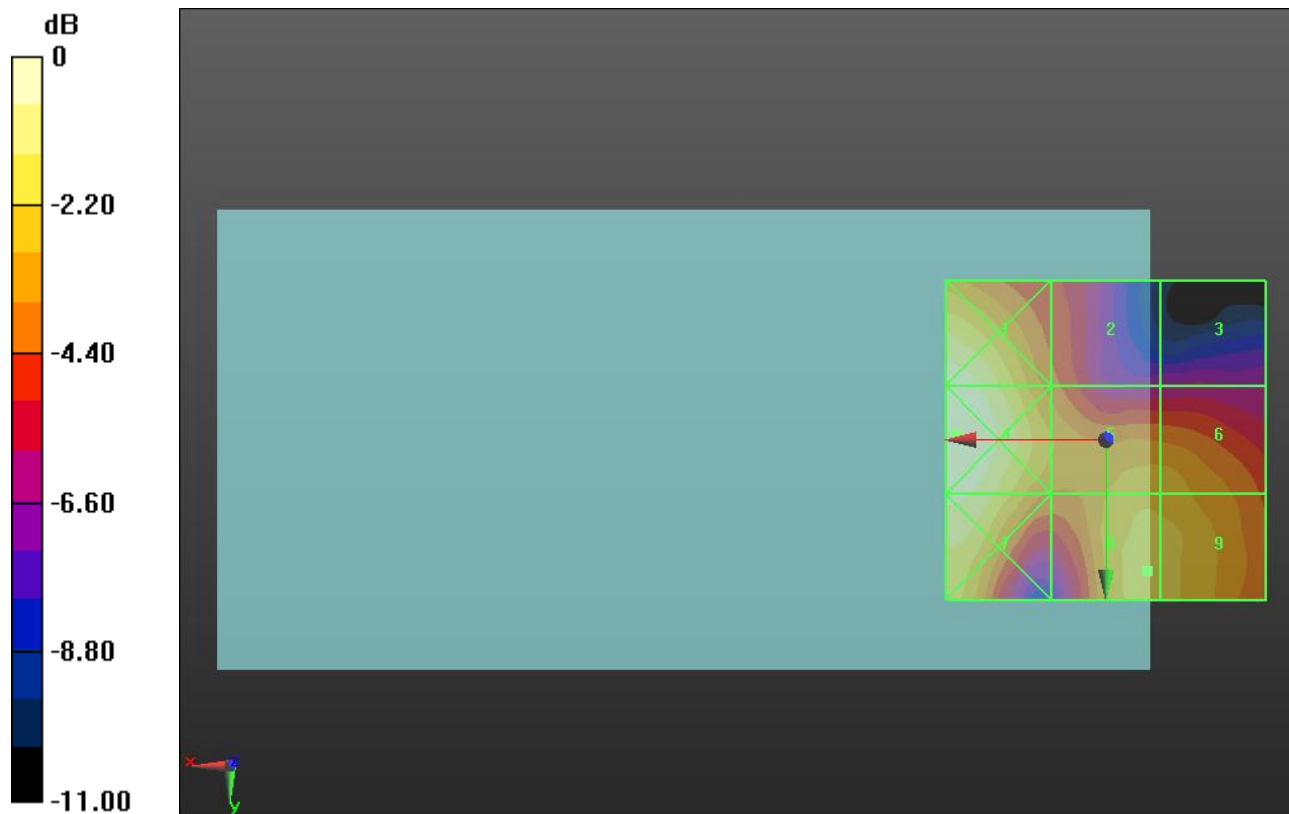
Applied MIF = -1.44 dB

RF audio interference level = 19.69 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>21.17 dBV/m</b> | Grid 2 <b>M4</b><br><b>17.46 dBV/m</b> | Grid 3 <b>M4</b><br><b>15.11 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>21.49 dBV/m</b> | Grid 5 <b>M4</b><br><b>19.12 dBV/m</b> | Grid 6 <b>M4</b><br><b>19.04 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>20.93 dBV/m</b> | Grid 8 <b>M4</b><br><b>19.69 dBV/m</b> | Grid 9 <b>M4</b><br><b>19.56 dBV/m</b> |



0 dB = 11.88 V/m = 21.50 dBV/m

## HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1) @ 3690 MHz; Calibrated: 7/22/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/10/2020
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

### 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 = 10.52 V/m; Power Drift = -0.10 dB

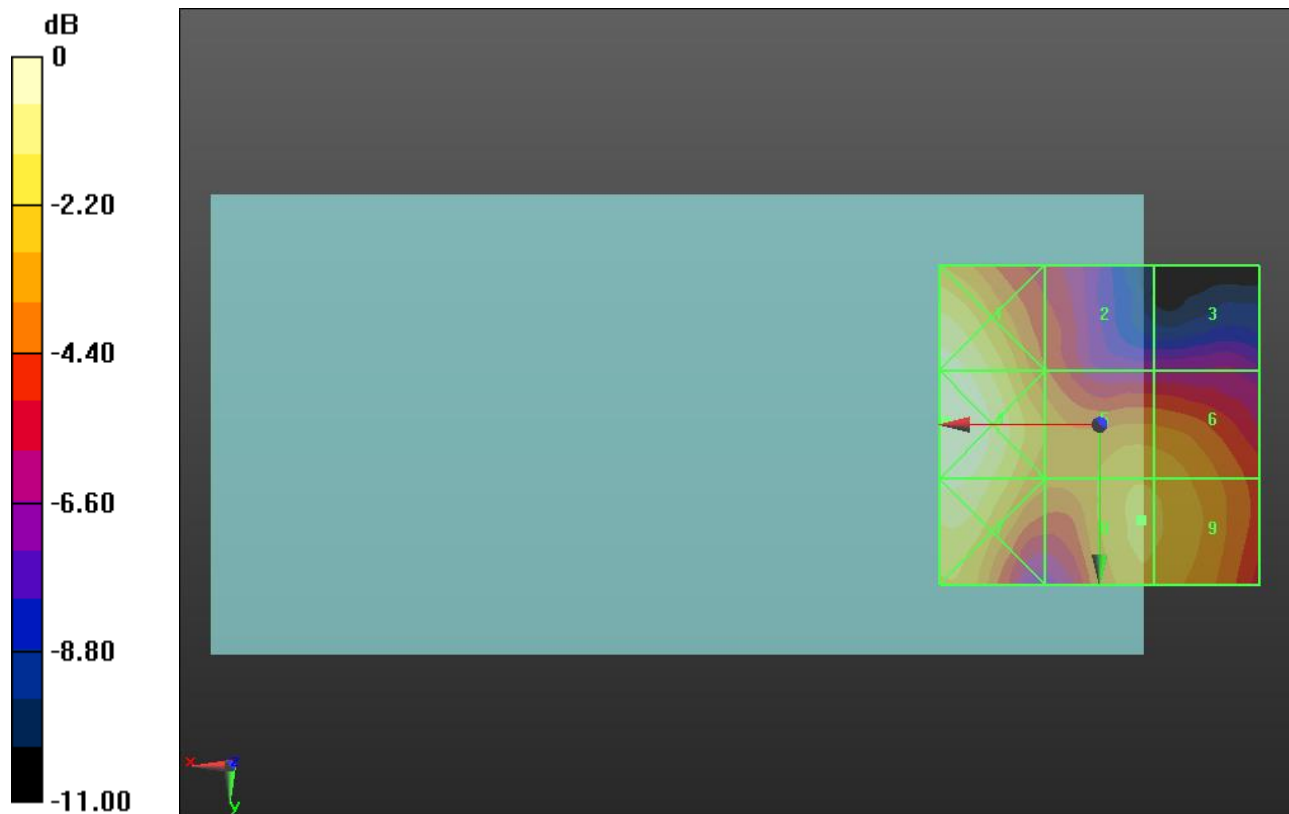
Applied MIF = -1.44 dB

RF audio interference level = 19.30 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>20.97 dBV/m</b> | Grid 2 <b>M4</b><br><b>17.08 dBV/m</b> | Grid 3 <b>M4</b><br><b>14.96 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>21.34 dBV/m</b> | Grid 5 <b>M4</b><br><b>19.09 dBV/m</b> | Grid 6 <b>M4</b><br><b>19.02 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>20.8 dBV/m</b>  | Grid 8 <b>M4</b><br><b>19.3 dBV/m</b>  | Grid 9 <b>M4</b><br><b>19.23 dBV/m</b> |



0 dB = 11.67 V/m = 21.34 dBV/m

## HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1) @ 3560 MHz; Calibrated: 7/22/2020

- Sensor-Surface: (Fix Surface)

- Electronics: DAE4 Sn1377; Calibrated: 9/10/2020

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

- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

### 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 = 39.39 V/m; Power Drift = 0.02 dB

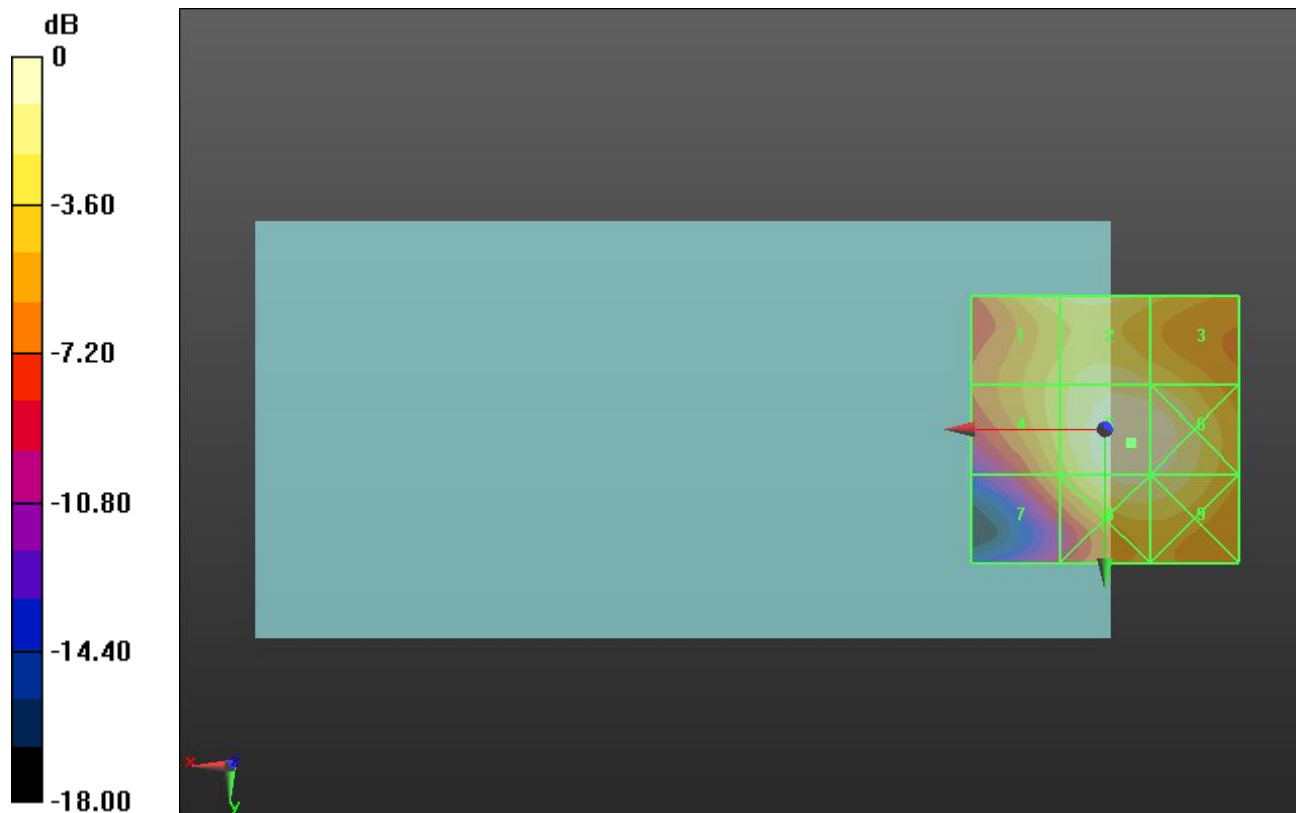
Applied MIF = -1.44 dB

RF audio interference level = 26.68 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>24.51 dBV/m</b> | Grid 2 <b>M4</b><br><b>25.13 dBV/m</b> | Grid 3 <b>M4</b><br><b>24.4 dBV/m</b>  |
| Grid 4 <b>M4</b><br><b>23.93 dBV/m</b> | Grid 5 <b>M4</b><br><b>26.68 dBV/m</b> | Grid 6 <b>M4</b><br><b>26.42 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>22.22 dBV/m</b> | Grid 8 <b>M4</b><br><b>25.98 dBV/m</b> | Grid 9 <b>M4</b><br><b>25.74 dBV/m</b> |



0 dB = 21.57 V/m = 26.68 dBV/m

## HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1) @ 3603.3 MHz; Calibrated: 7/22/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/10/2020
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

### 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 = 38.51 V/m; Power Drift = -0.01 dB

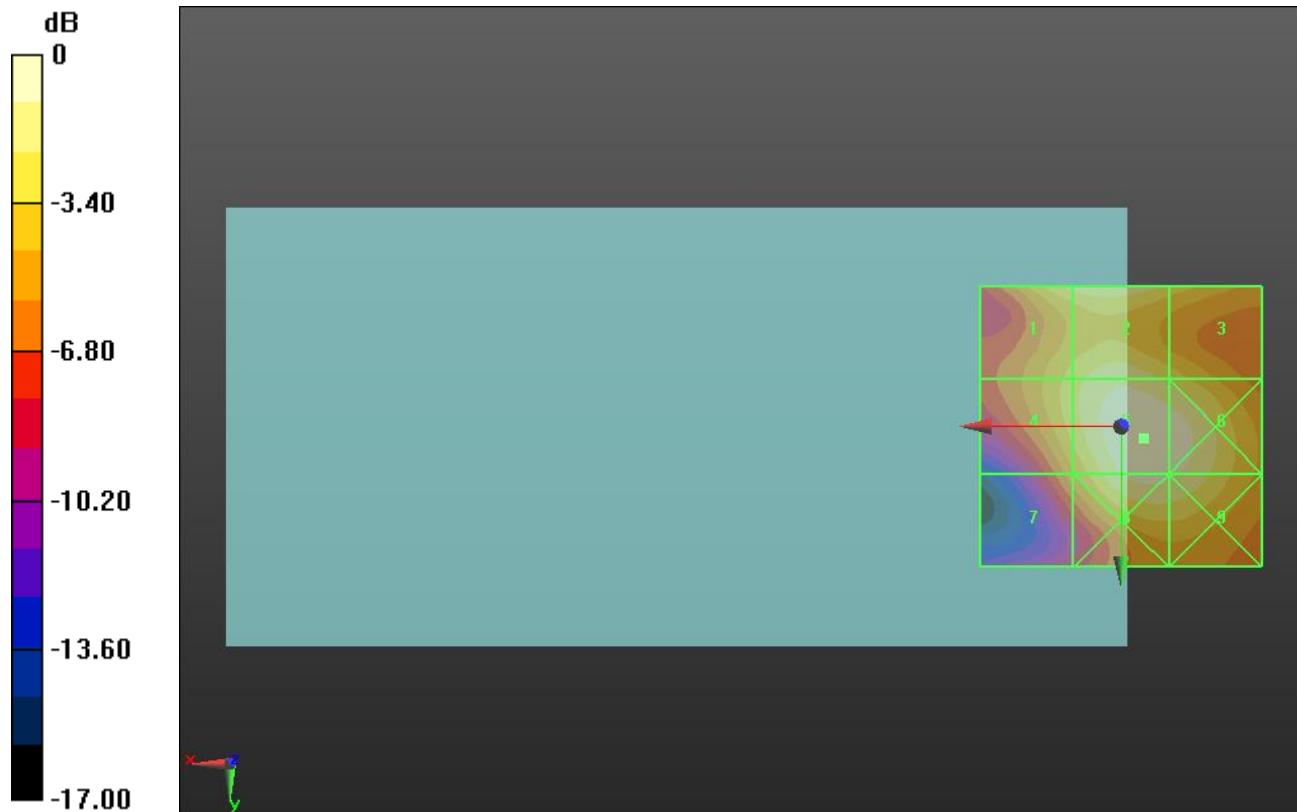
Applied MIF = -1.44 dB

RF audio interference level = 26.16 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>24.57 dBV/m</b> | Grid 2 <b>M4</b><br><b>25.19 dBV/m</b> | Grid 3 <b>M4</b><br><b>23.76 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>23.6 dBV/m</b>  | Grid 5 <b>M4</b><br><b>26.16 dBV/m</b> | Grid 6 <b>M4</b><br><b>25.85 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>21.42 dBV/m</b> | Grid 8 <b>M4</b><br><b>25.5 dBV/m</b>  | Grid 9 <b>M4</b><br><b>25.24 dBV/m</b> |



0 dB = 20.33 V/m = 26.16 dBV/m

## HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1) @ 3646.7 MHz; Calibrated: 7/22/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/10/2020
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

### 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 = 35.99 V/m; Power Drift = -0.01 dB

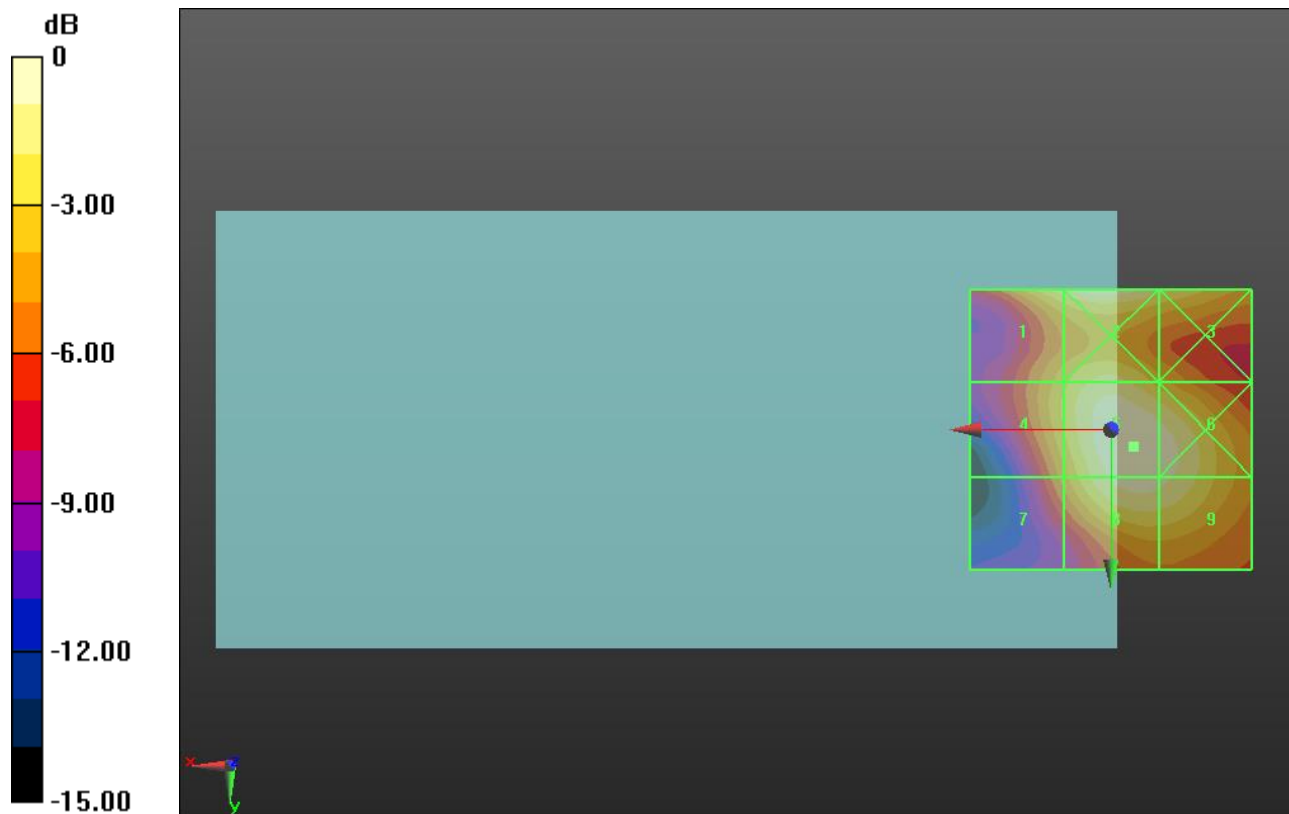
Applied MIF = -1.44 dB

RF audio interference level = 25.26 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>24.19 dBV/m</b> | Grid 2 <b>M4</b><br><b>25.11 dBV/m</b> | Grid 3 <b>M4</b><br><b>23.92 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>22.44 dBV/m</b> | Grid 5 <b>M4</b><br><b>25.26 dBV/m</b> | Grid 6 <b>M4</b><br><b>24.88 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>20.78 dBV/m</b> | Grid 8 <b>M4</b><br><b>24.85 dBV/m</b> | Grid 9 <b>M4</b><br><b>24.6 dBV/m</b>  |



0 dB = 18.32 V/m = 25.26 dBV/m

## HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1) @ 3690 MHz; Calibrated: 7/22/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/10/2020
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

### 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 = 33.44 V/m; Power Drift = -0.06 dB

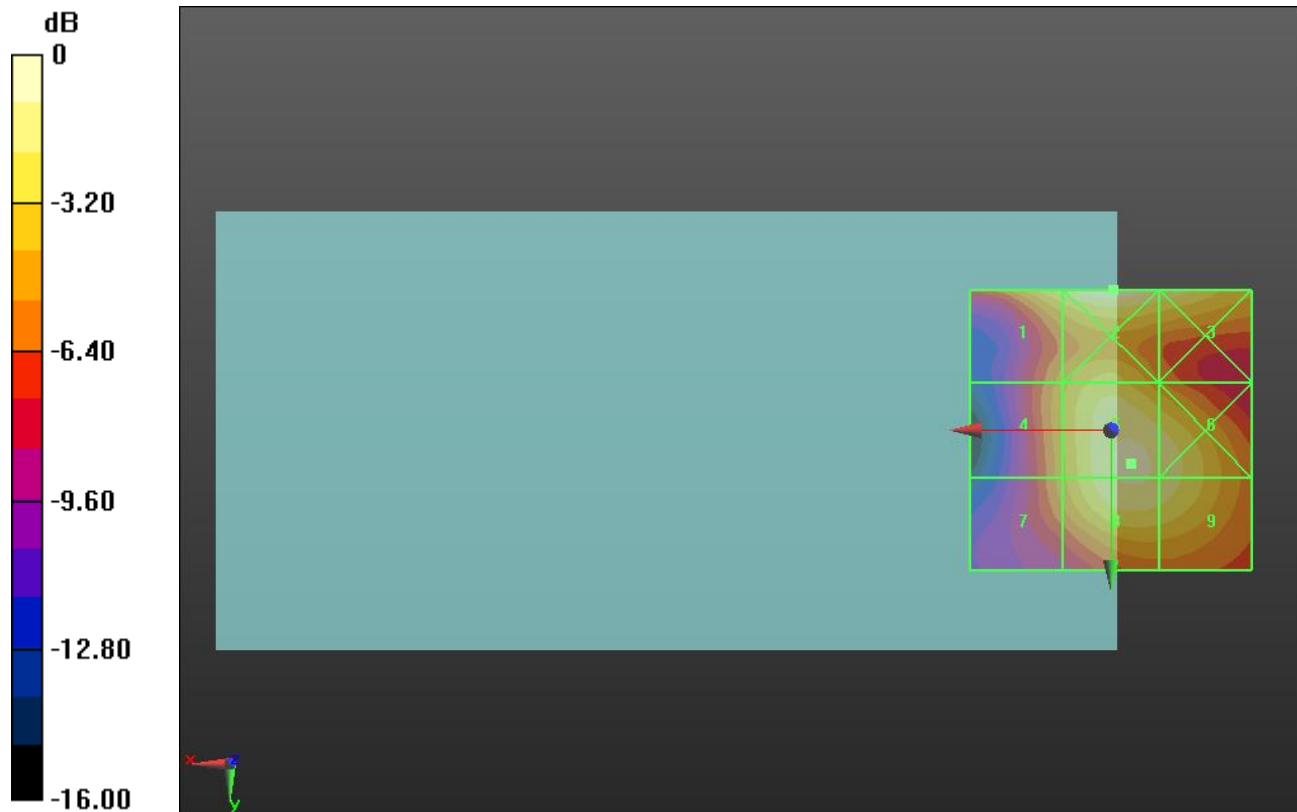
Applied MIF = -1.44 dB

RF audio interference level = 24.56 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                 |                                 |                                 |
|---------------------------------|---------------------------------|---------------------------------|
| Grid 1 <b>M4</b><br>24.13 dBV/m | Grid 2 <b>M4</b><br>25.42 dBV/m | Grid 3 <b>M4</b><br>24.42 dBV/m |
| Grid 4 <b>M4</b><br>21.3 dBV/m  | Grid 5 <b>M4</b><br>24.56 dBV/m | Grid 6 <b>M4</b><br>24.15 dBV/m |
| Grid 7 <b>M4</b><br>20.91 dBV/m | Grid 8 <b>M4</b><br>24.48 dBV/m | Grid 9 <b>M4</b><br>24.06 dBV/m |



0 dB = 18.66 V/m = 25.42 dBV/m

## HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1) @ 3560 MHz; Calibrated: 7/22/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/10/2020
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

### 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 = 7.466 V/m; Power Drift = 0.02 dB

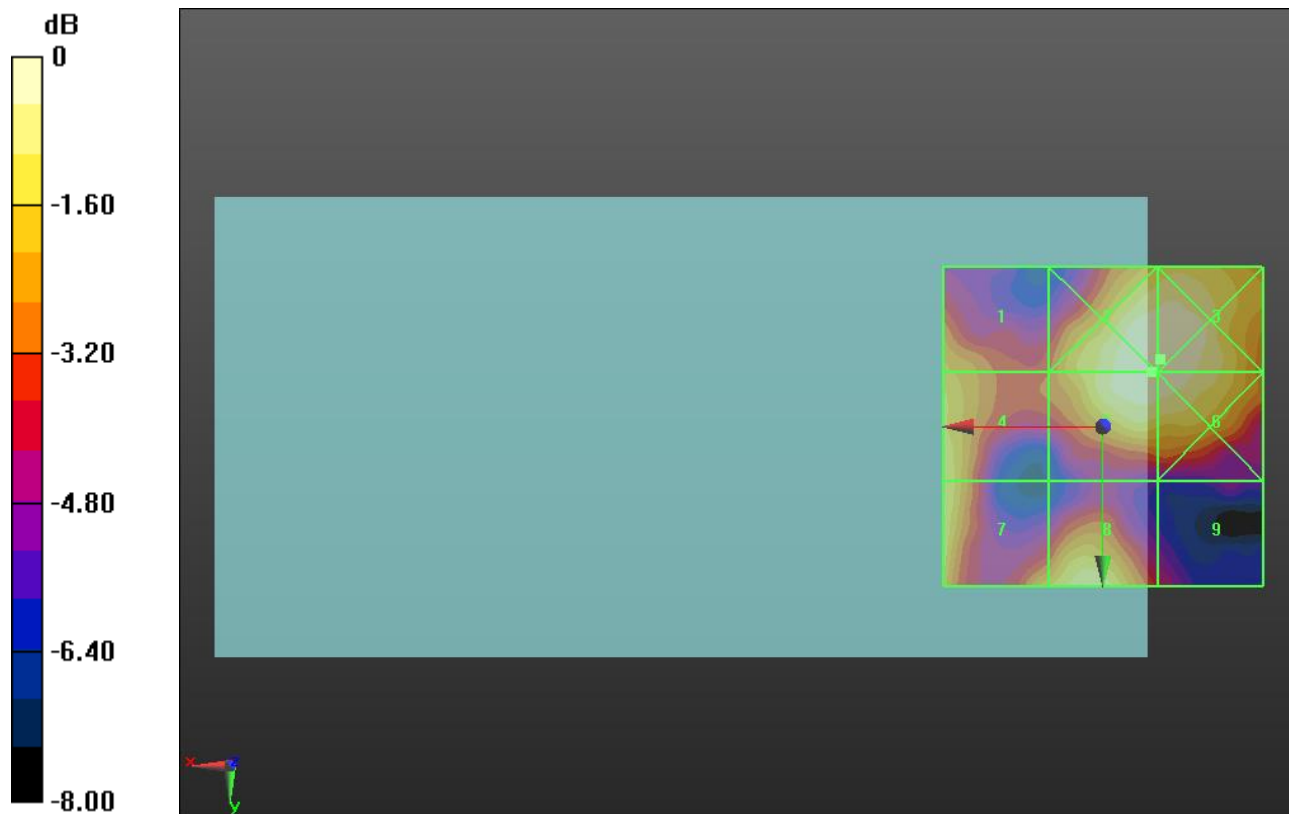
Applied MIF = -1.44 dB

RF audio interference level = 14.73 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>12.95 dBV/m</b> | Grid 2 <b>M4</b><br><b>14.78 dBV/m</b> | Grid 3 <b>M4</b><br><b>14.78 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>13.75 dBV/m</b> | Grid 5 <b>M4</b><br><b>14.73 dBV/m</b> | Grid 6 <b>M4</b><br><b>14.72 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>13.89 dBV/m</b> | Grid 8 <b>M4</b><br><b>14.38 dBV/m</b> | Grid 9 <b>M4</b><br><b>10.97 dBV/m</b> |



0 dB = 5.484 V/m = 14.78 dBV/m

## HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1) @ 3603.3 MHz; Calibrated: 7/22/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/10/2020
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

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

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 9.294 V/m; Power Drift = -0.05 dB

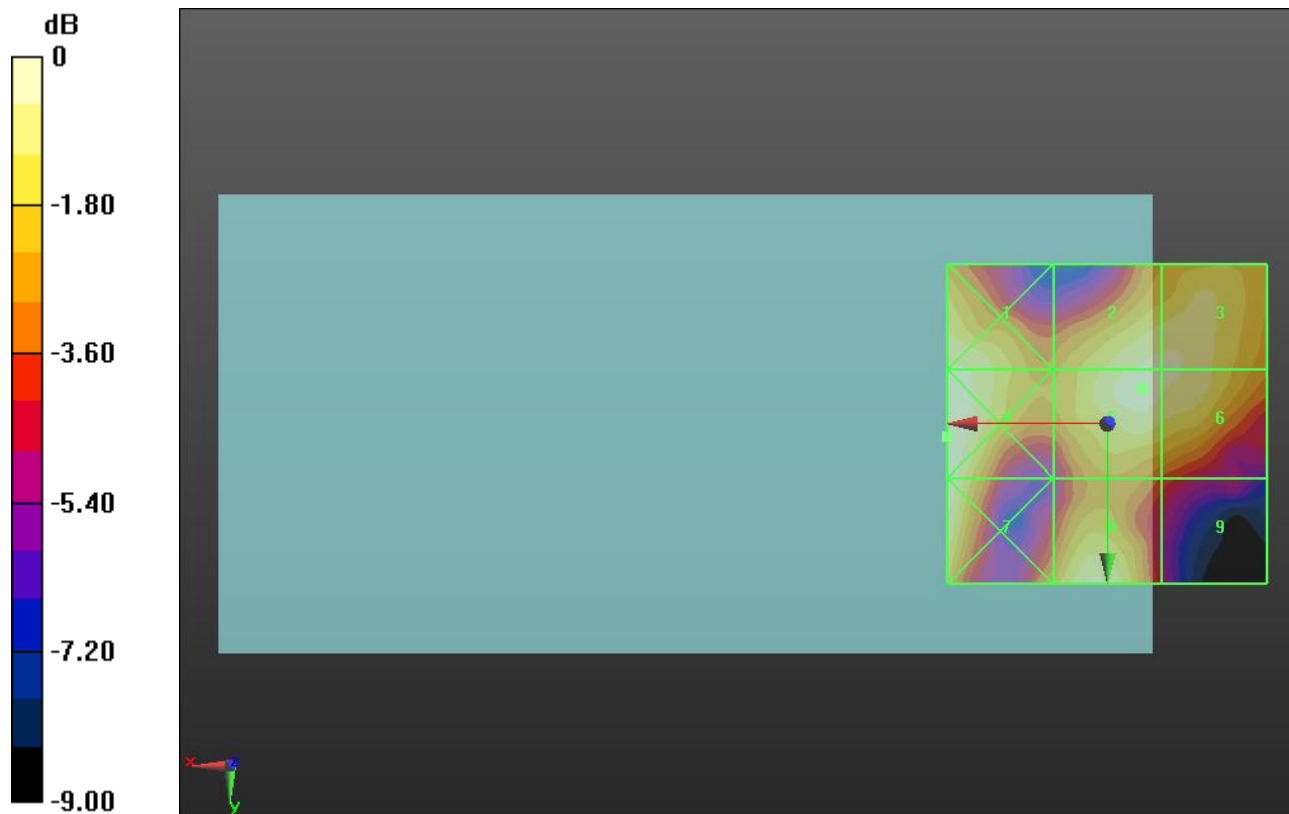
Applied MIF = -1.44 dB

RF audio interference level = 15.73 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>15.5 dBV/m</b>  | Grid 2 <b>M4</b><br><b>15.53 dBV/m</b> | Grid 3 <b>M4</b><br><b>15.52 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>15.96 dBV/m</b> | Grid 5 <b>M4</b><br><b>15.73 dBV/m</b> | Grid 6 <b>M4</b><br><b>15.52 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>15.81 dBV/m</b> | Grid 8 <b>M4</b><br><b>15.49 dBV/m</b> | Grid 9 <b>M4</b><br><b>12.3 dBV/m</b>  |



0 dB = 6.278 V/m = 15.96 dBV/m

## HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1) @ 3646.7 MHz; Calibrated: 7/22/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/10/2020
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

### 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 = 10.40 V/m; Power Drift = -0.19 dB

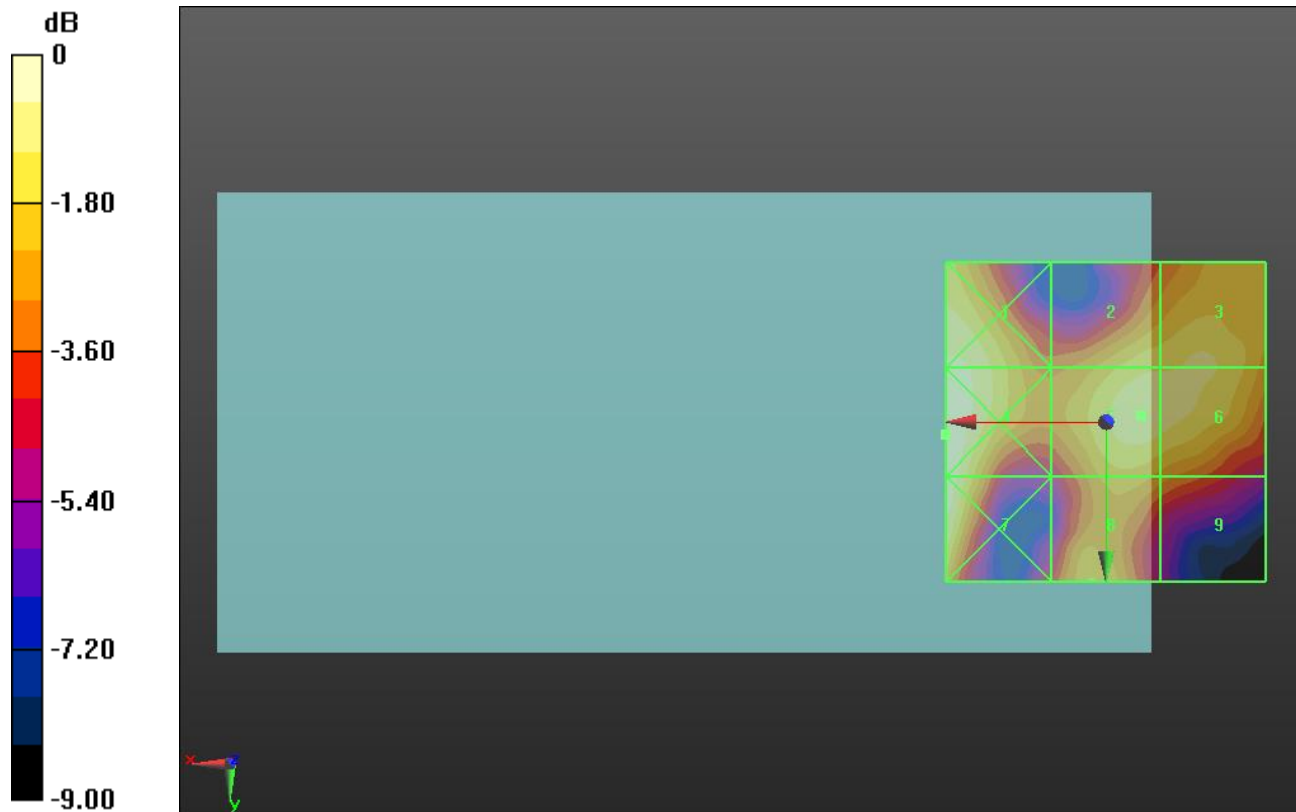
Applied MIF = -1.44 dB

RF audio interference level = 16.72 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>16.14 dBV/m</b> | Grid 3 <b>M4</b><br><b>16.35 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>17.41 dBV/m</b> | Grid 5 <b>M4</b><br><b>16.72 dBV/m</b> | Grid 6 <b>M4</b><br><b>16.57 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>17.25 dBV/m</b> | Grid 8 <b>M4</b><br><b>15.68 dBV/m</b> | Grid 9 <b>M4</b><br><b>14.75 dBV/m</b> |



0 dB = 7.423 V/m = 17.41 dBV/m

## HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1) @ 3690 MHz; Calibrated: 7/22/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/10/2020
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

### 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 = 9.740 V/m; Power Drift = -0.04 dB

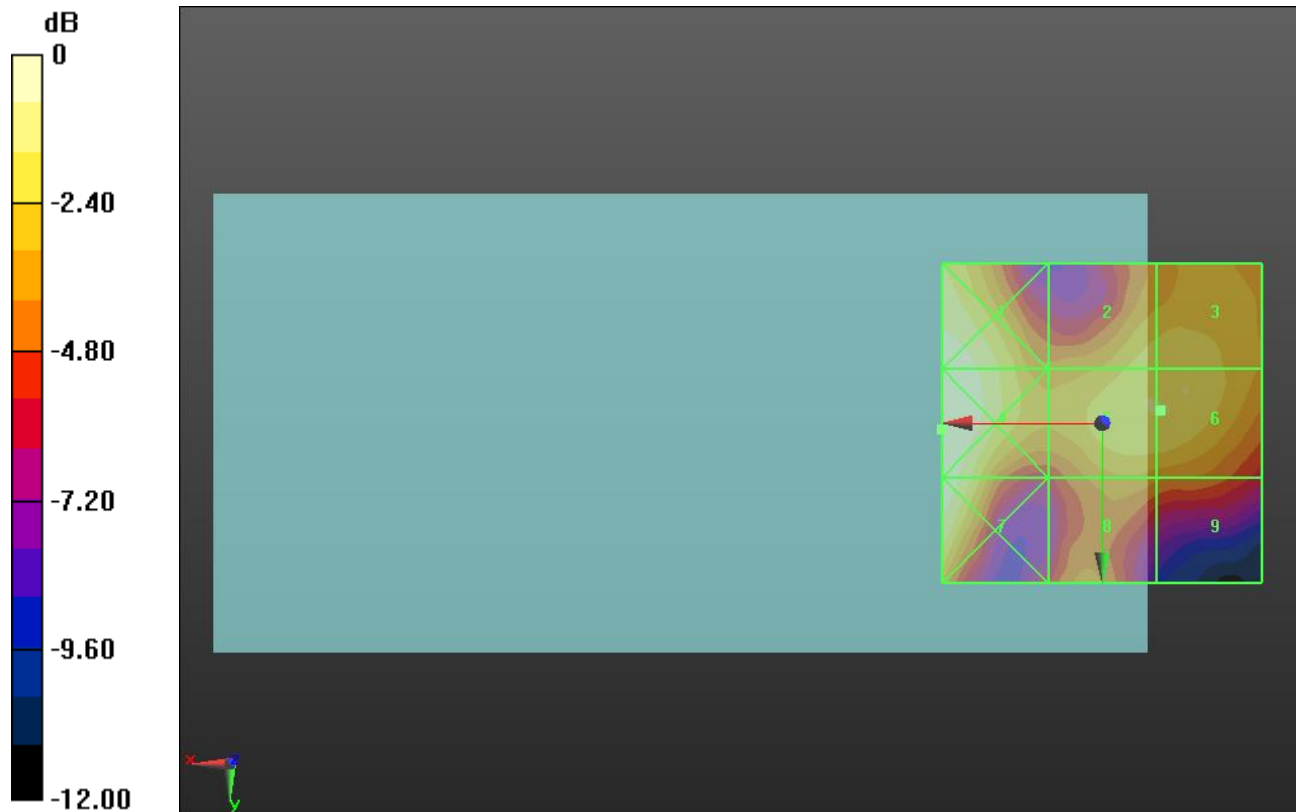
Applied MIF = -1.44 dB

RF audio interference level = 16.42 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>17.65 dBV/m</b> | Grid 2 <b>M4</b><br><b>16.25 dBV/m</b> | Grid 3 <b>M4</b><br><b>16.35 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>17.99 dBV/m</b> | Grid 5 <b>M4</b><br><b>16.42 dBV/m</b> | Grid 6 <b>M4</b><br><b>16.42 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>17.78 dBV/m</b> | Grid 8 <b>M4</b><br><b>14.73 dBV/m</b> | Grid 9 <b>M4</b><br><b>14.26 dBV/m</b> |



0 dB = 7.934 V/m = 17.99 dBV/m

