

## 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 = 40.71 V/m; Power Drift = 0.03 dB

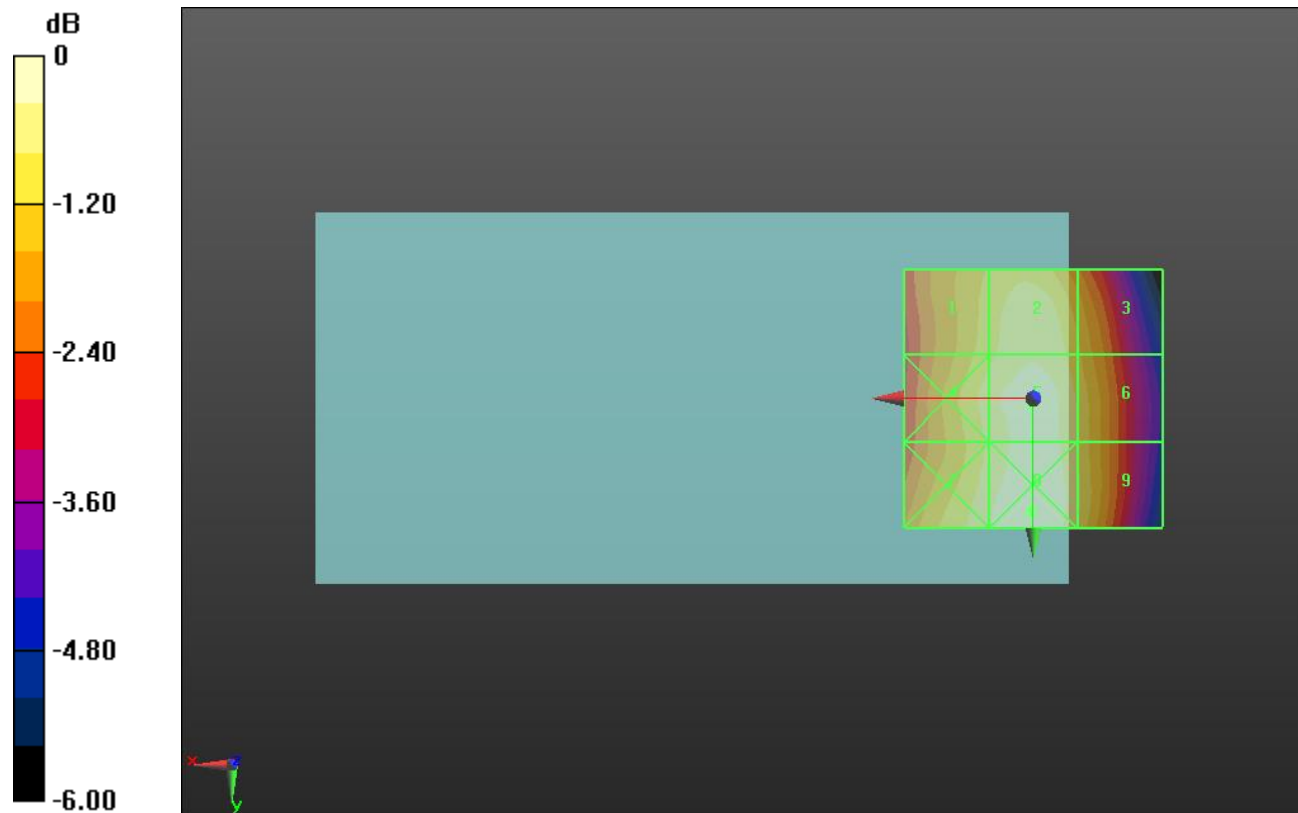
Applied MIF = 3.63 dB

RF audio interference level = 33.19 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>32.46 dBV/m</b> | Grid 2 <b>M4</b><br><b>32.92 dBV/m</b> | Grid 3 <b>M4</b><br><b>32.27 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>32.77 dBV/m</b> | Grid 5 <b>M4</b><br><b>33.19 dBV/m</b> | Grid 6 <b>M4</b><br><b>32.54 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>32.94 dBV/m</b> | Grid 8 <b>M4</b><br><b>33.35 dBV/m</b> | Grid 9 <b>M4</b><br><b>32.67 dBV/m</b> |



0 dB = 46.52 V/m = 33.35 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 = 44.68 V/m; Power Drift = 0.01 dB

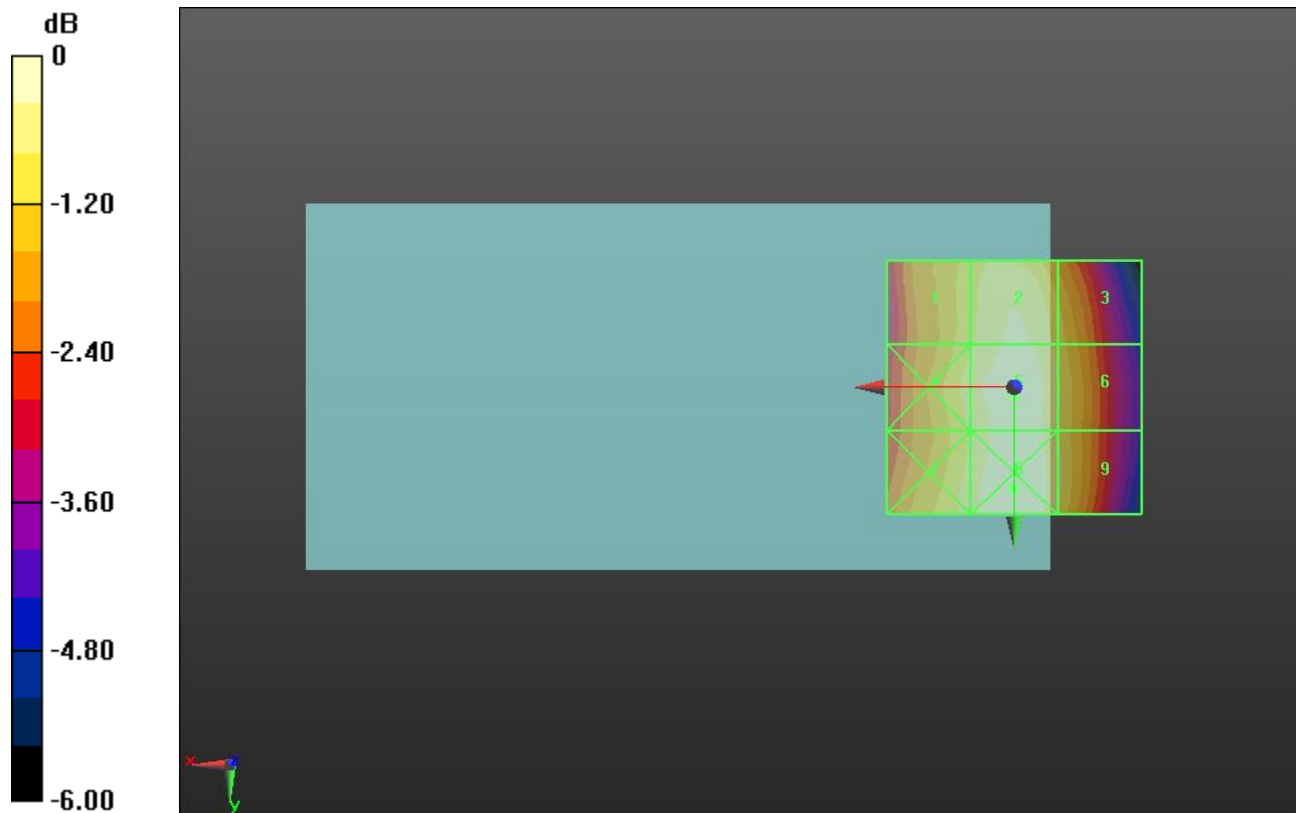
Applied MIF = 3.63 dB

RF audio interference level = 34.13 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>33.38 dBV/m</b> | Grid 2 <b>M4</b><br><b>33.91 dBV/m</b> | Grid 3 <b>M4</b><br><b>33.31 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>33.65 dBV/m</b> | Grid 5 <b>M4</b><br><b>34.13 dBV/m</b> | Grid 6 <b>M4</b><br><b>33.52 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>33.66 dBV/m</b> | Grid 8 <b>M4</b><br><b>34.23 dBV/m</b> | Grid 9 <b>M4</b><br><b>33.57 dBV/m</b> |



0 dB = 51.46 V/m = 34.23 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 = 43.40 V/m; Power Drift = -0.02 dB

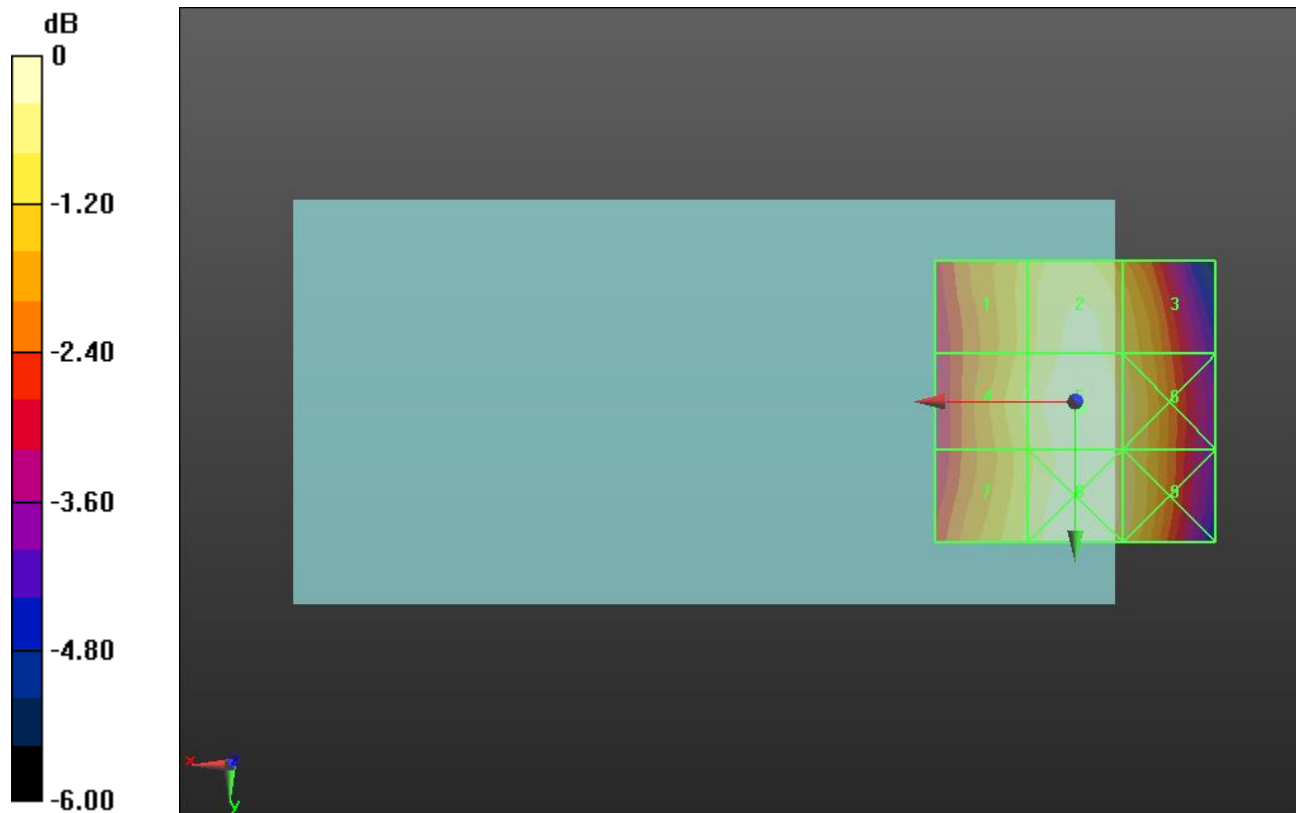
Applied MIF = 3.63 dB

RF audio interference level = 33.81 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>32.86 dBV/m</b> | Grid 2 <b>M4</b><br><b>33.58 dBV/m</b> | Grid 3 <b>M4</b><br><b>33.08 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>33.13 dBV/m</b> | Grid 5 <b>M4</b><br><b>33.81 dBV/m</b> | Grid 6 <b>M4</b><br><b>33.32 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>33.1 dBV/m</b>  | Grid 8 <b>M4</b><br><b>33.81 dBV/m</b> | Grid 9 <b>M4</b><br><b>33.33 dBV/m</b> |



0 dB = 49.02 V/m = 33.81 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 = 10.23 V/m; Power Drift = -0.24 dB

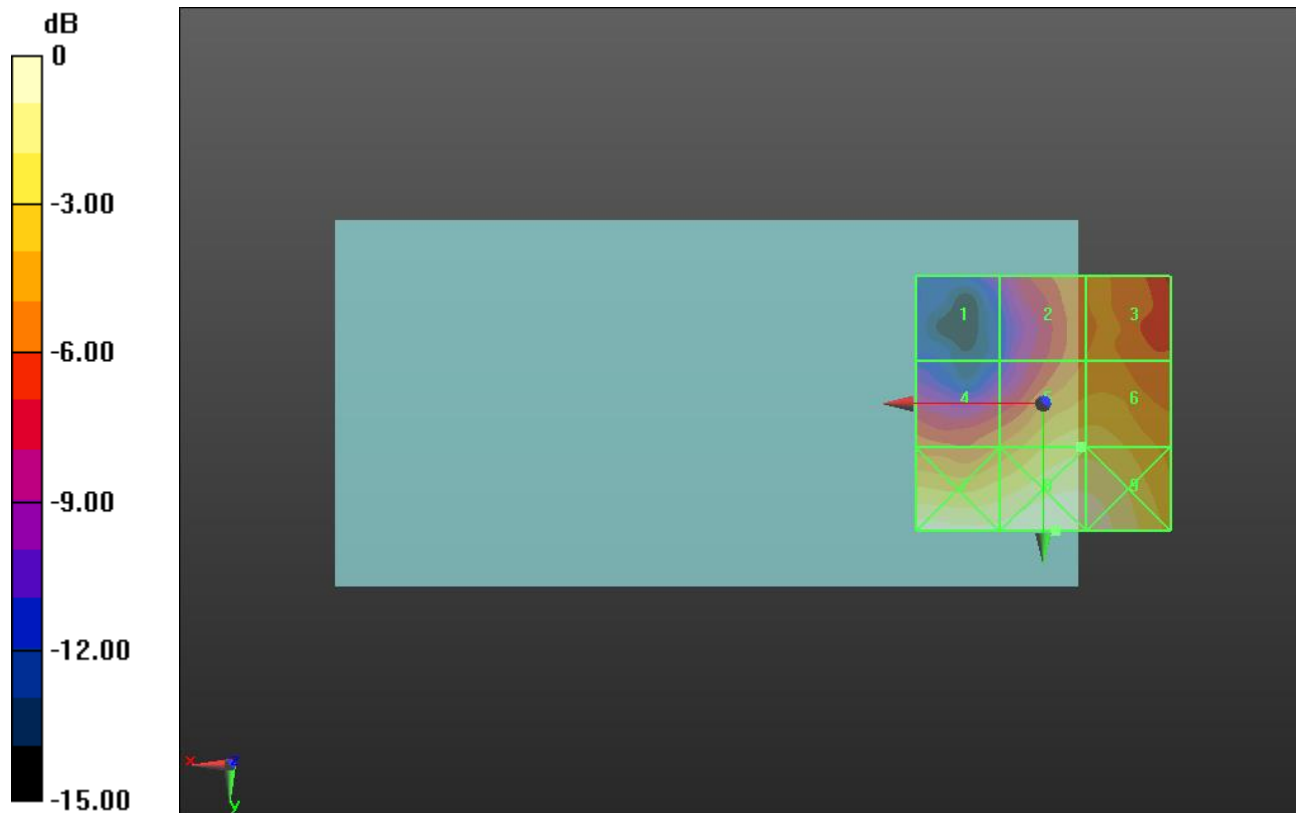
Applied MIF = 3.63 dB

RF audio interference level = 24.28 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>17.6 dBV/m</b>  | Grid 2 <b>M4</b><br><b>21.71 dBV/m</b> | Grid 3 <b>M4</b><br><b>21.92 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>21.76 dBV/m</b> | Grid 5 <b>M4</b><br><b>24.28 dBV/m</b> | Grid 6 <b>M4</b><br><b>24.27 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>26.31 dBV/m</b> | Grid 8 <b>M4</b><br><b>26.61 dBV/m</b> | Grid 9 <b>M4</b><br><b>26.36 dBV/m</b> |



0 dB = 21.42 V/m = 26.62 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 = 11.97 V/m; Power Drift = -0.10 dB

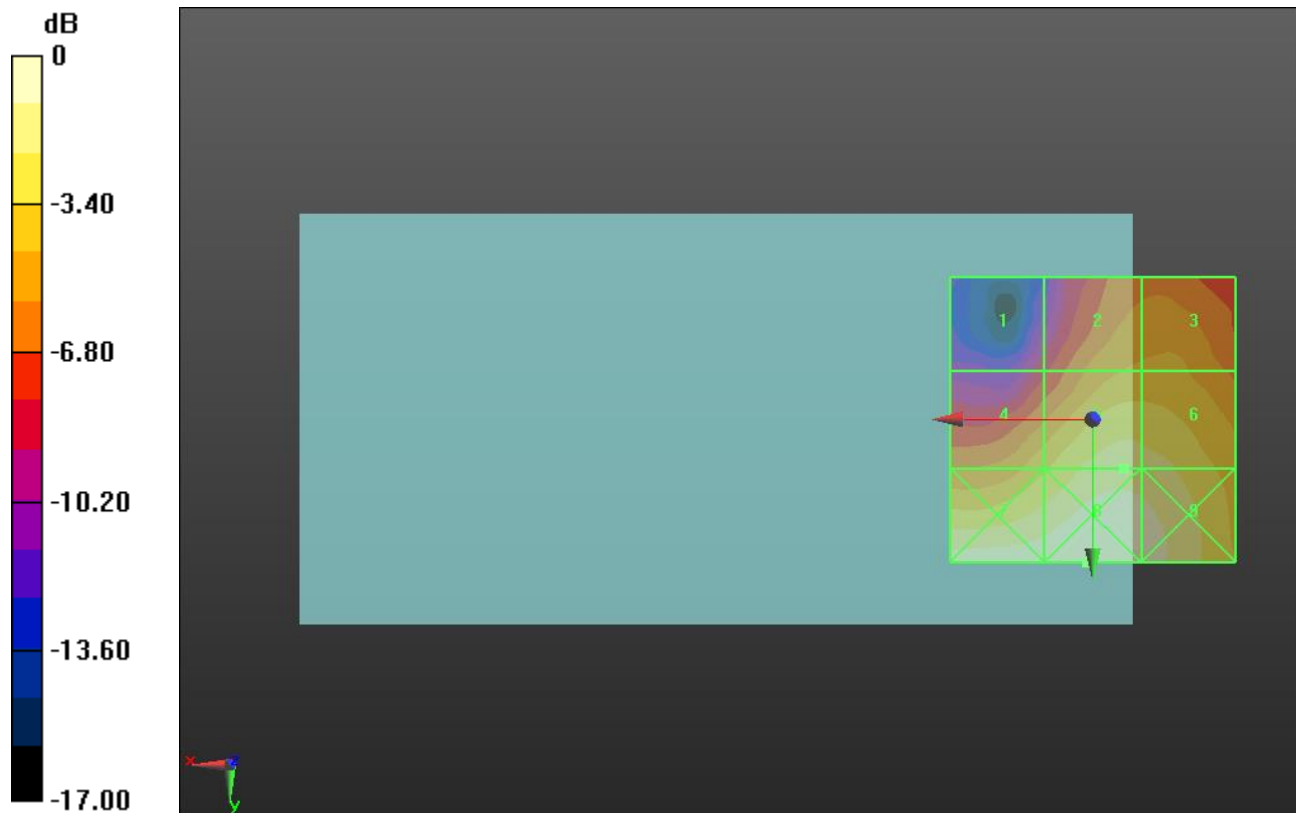
Applied MIF = 3.63 dB

RF audio interference level = 24.76 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>18.22 dBV/m</b> | Grid 2 <b>M4</b><br><b>22.12 dBV/m</b> | Grid 3 <b>M4</b><br><b>22.2 dBV/m</b>  |
| Grid 4 <b>M4</b><br><b>22.79 dBV/m</b> | Grid 5 <b>M4</b><br><b>24.76 dBV/m</b> | Grid 6 <b>M4</b><br><b>24.68 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>26.1 dBV/m</b>  | Grid 8 <b>M4</b><br><b>26.37 dBV/m</b> | Grid 9 <b>M4</b><br><b>25.88 dBV/m</b> |



0 dB = 20.83 V/m = 26.37 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 = 14.00 V/m; Power Drift = -0.09 dB

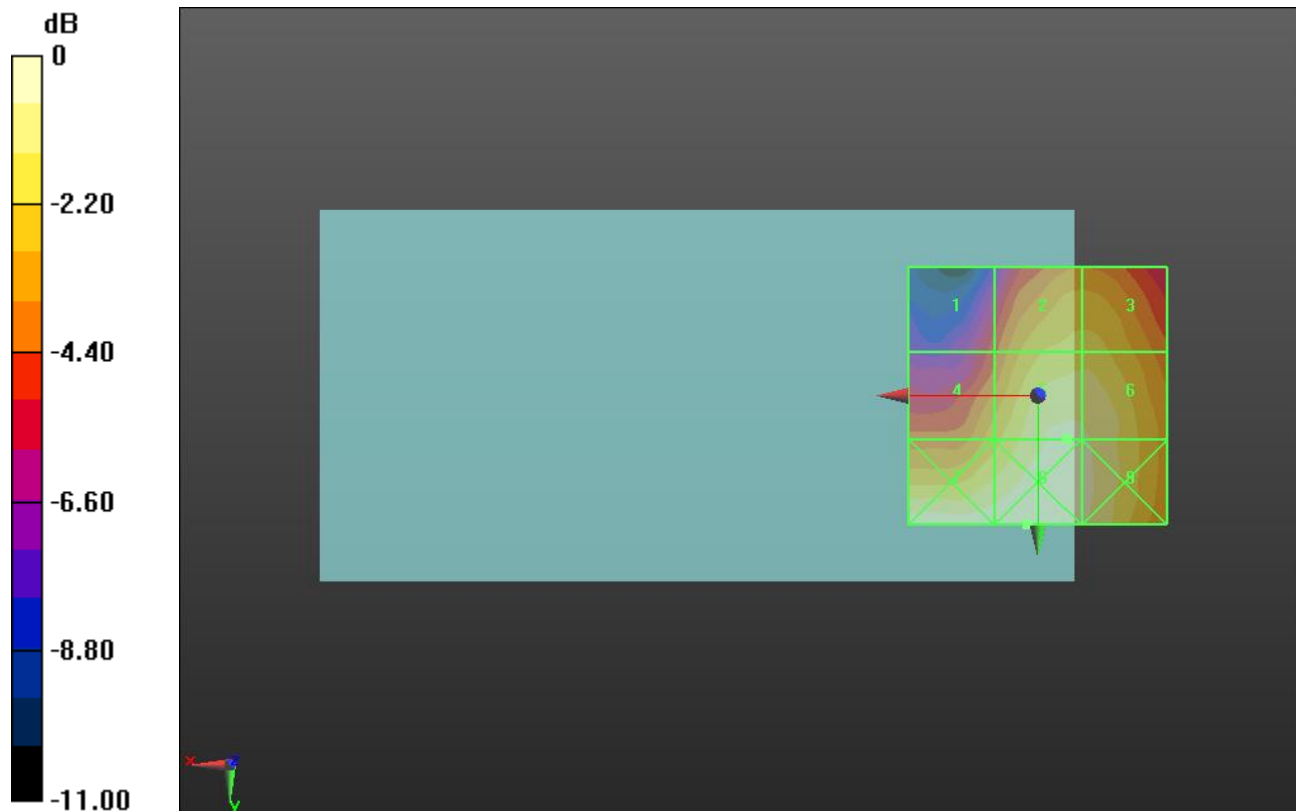
Applied MIF = 3.63 dB

RF audio interference level = 25.03 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>20.89 dBV/m</b> | Grid 2 <b>M4</b><br><b>23.75 dBV/m</b> | Grid 3 <b>M4</b><br><b>23.76 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>23.05 dBV/m</b> | Grid 5 <b>M4</b><br><b>25.03 dBV/m</b> | Grid 6 <b>M4</b><br><b>24.91 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>25.51 dBV/m</b> | Grid 8 <b>M4</b><br><b>25.53 dBV/m</b> | Grid 9 <b>M4</b><br><b>25.06 dBV/m</b> |



0 dB = 18.90 V/m = 25.53 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 = 24.51 V/m; Power Drift = 0.01 dB

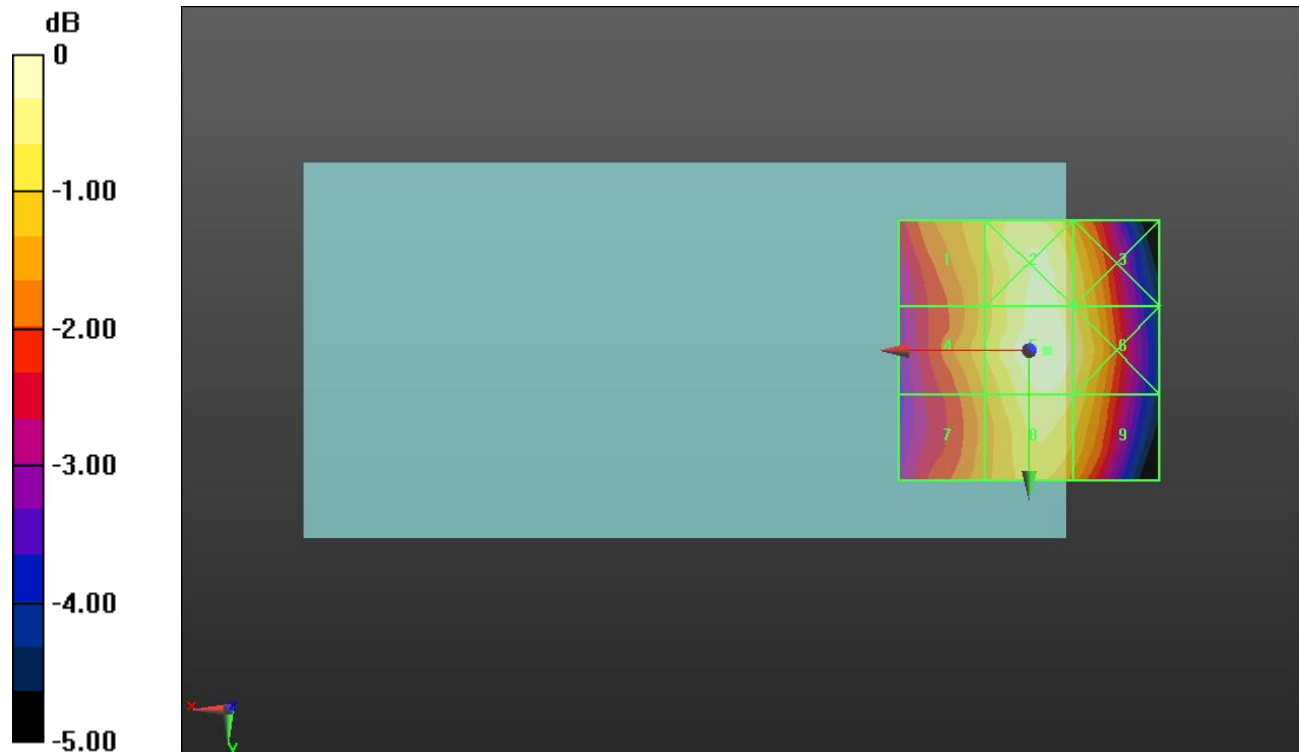
Applied MIF = 3.26 dB

RF audio interference level = 28.39 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                 |                                 |                                 |
|---------------------------------|---------------------------------|---------------------------------|
| Grid 1 <b>M4</b><br>27.4 dBV/m  | Grid 2 <b>M4</b><br>28.17 dBV/m | Grid 3 <b>M4</b><br>27.79 dBV/m |
| Grid 4 <b>M4</b><br>27.39 dBV/m | Grid 5 <b>M4</b><br>28.39 dBV/m | Grid 6 <b>M4</b><br>28.01 dBV/m |
| Grid 7 <b>M4</b><br>27.04 dBV/m | Grid 8 <b>M4</b><br>28.05 dBV/m | Grid 9 <b>M4</b><br>27.73 dBV/m |



0 dB = 26.28 V/m = 28.39 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 = 25.46 V/m; Power Drift = 0.04 dB

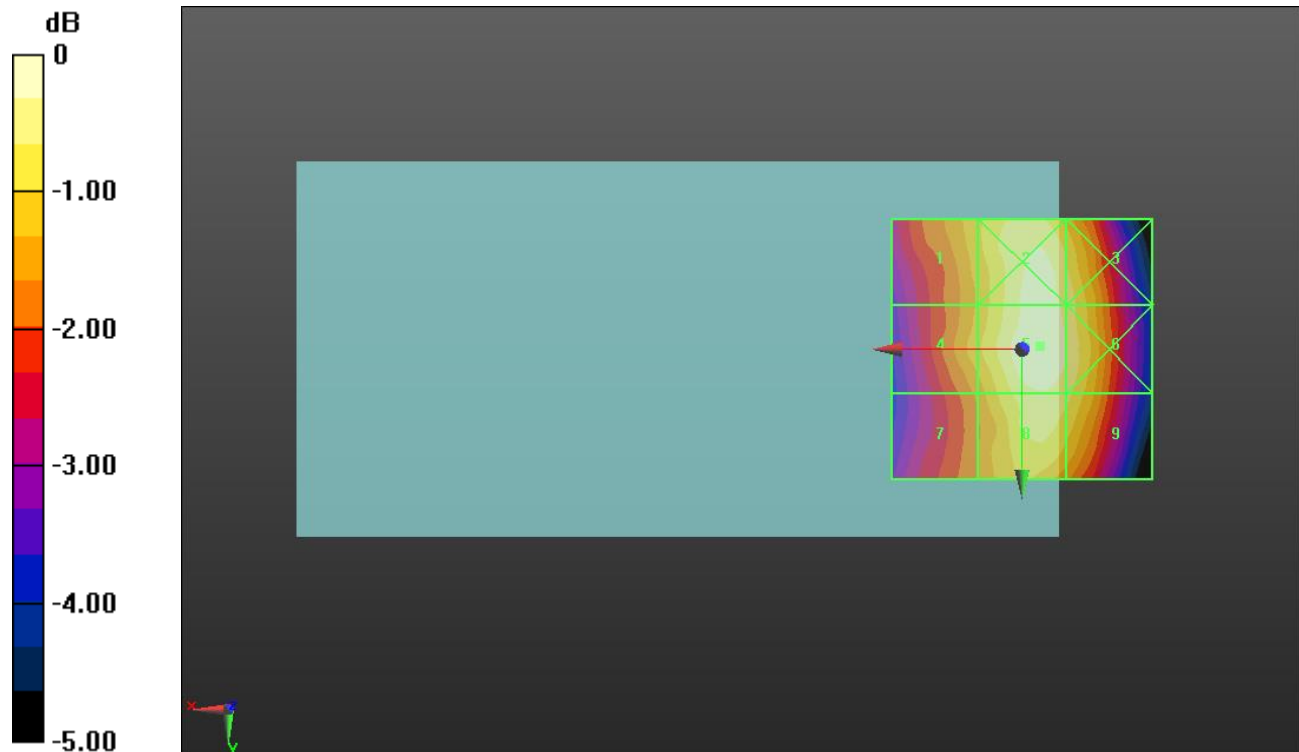
Applied MIF = 3.26 dB

RF audio interference level = 28.69 dBV/m

Emission category: **M4**

MIF scaled E-field

|                                 |                                 |                                 |
|---------------------------------|---------------------------------|---------------------------------|
| Grid 1 <b>M4</b><br>27.62 dBV/m | Grid 2 <b>M4</b><br>28.52 dBV/m | Grid 3 <b>M4</b><br>28.26 dBV/m |
| Grid 4 <b>M4</b><br>27.63 dBV/m | Grid 5 <b>M4</b><br>28.69 dBV/m | Grid 6 <b>M4</b><br>28.35 dBV/m |
| Grid 7 <b>M4</b><br>27.16 dBV/m | Grid 8 <b>M4</b><br>28.35 dBV/m | Grid 9 <b>M4</b><br>28.14 dBV/m |



0 dB = 27.21 V/m = 28.69 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 = 24.96 V/m; Power Drift = 0.00 dB

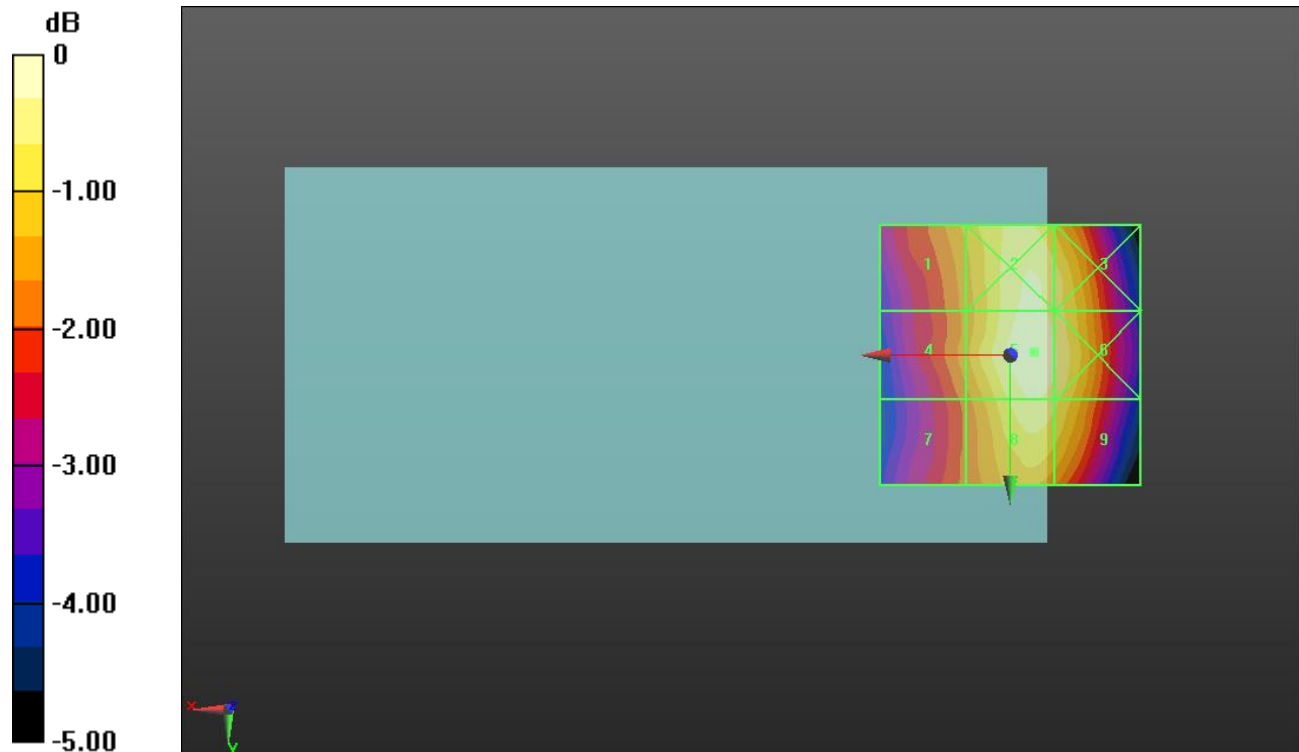
Applied MIF = 3.26 dB

RF audio interference level = 28.42 dBV/m

Emission category: **M4**

MIF scaled E-field

|                                 |                                 |                                 |
|---------------------------------|---------------------------------|---------------------------------|
| Grid 1 <b>M4</b><br>27.21 dBV/m | Grid 2 <b>M4</b><br>28.18 dBV/m | Grid 3 <b>M4</b><br>27.97 dBV/m |
| Grid 4 <b>M4</b><br>26.99 dBV/m | Grid 5 <b>M4</b><br>28.42 dBV/m | Grid 6 <b>M4</b><br>28.13 dBV/m |
| Grid 7 <b>M4</b><br>26.61 dBV/m | Grid 8 <b>M4</b><br>28.09 dBV/m | Grid 9 <b>M4</b><br>27.87 dBV/m |



0 dB = 26.37 V/m = 28.42 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 = 5.264 V/m; Power Drift = -0.33 dB

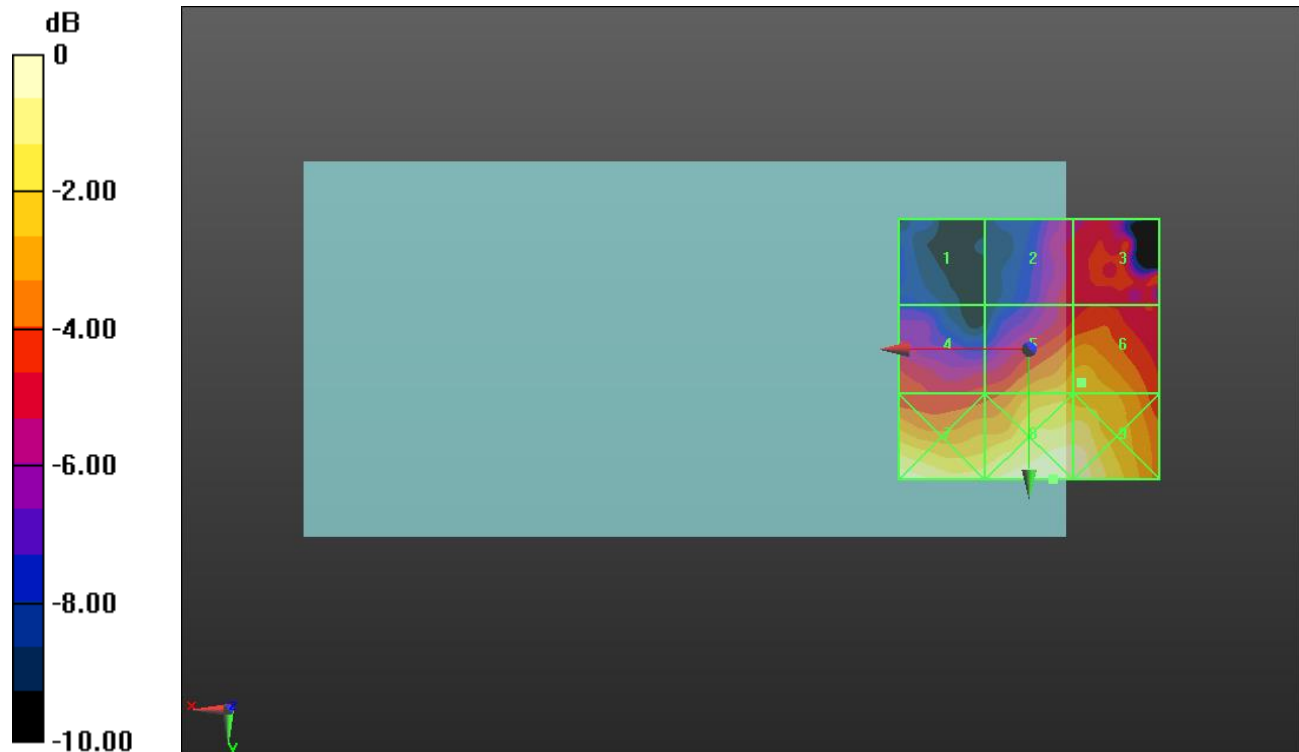
Applied MIF = 3.26 dB

RF audio interference level = 18.04 dBV/m

Emission category: **M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>12.65 dBV/m</b> | Grid 2 <b>M4</b><br><b>15.37 dBV/m</b> | Grid 3 <b>M4</b><br><b>16.26 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>15.96 dBV/m</b> | Grid 5 <b>M4</b><br><b>18.01 dBV/m</b> | Grid 6 <b>M4</b><br><b>18.04 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>20.1 dBV/m</b>  | Grid 8 <b>M4</b><br><b>20.26 dBV/m</b> | Grid 9 <b>M4</b><br><b>20.08 dBV/m</b> |



0 dB = 10.30 V/m = 20.26 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 = 6.538 V/m; Power Drift = -0.39 dB

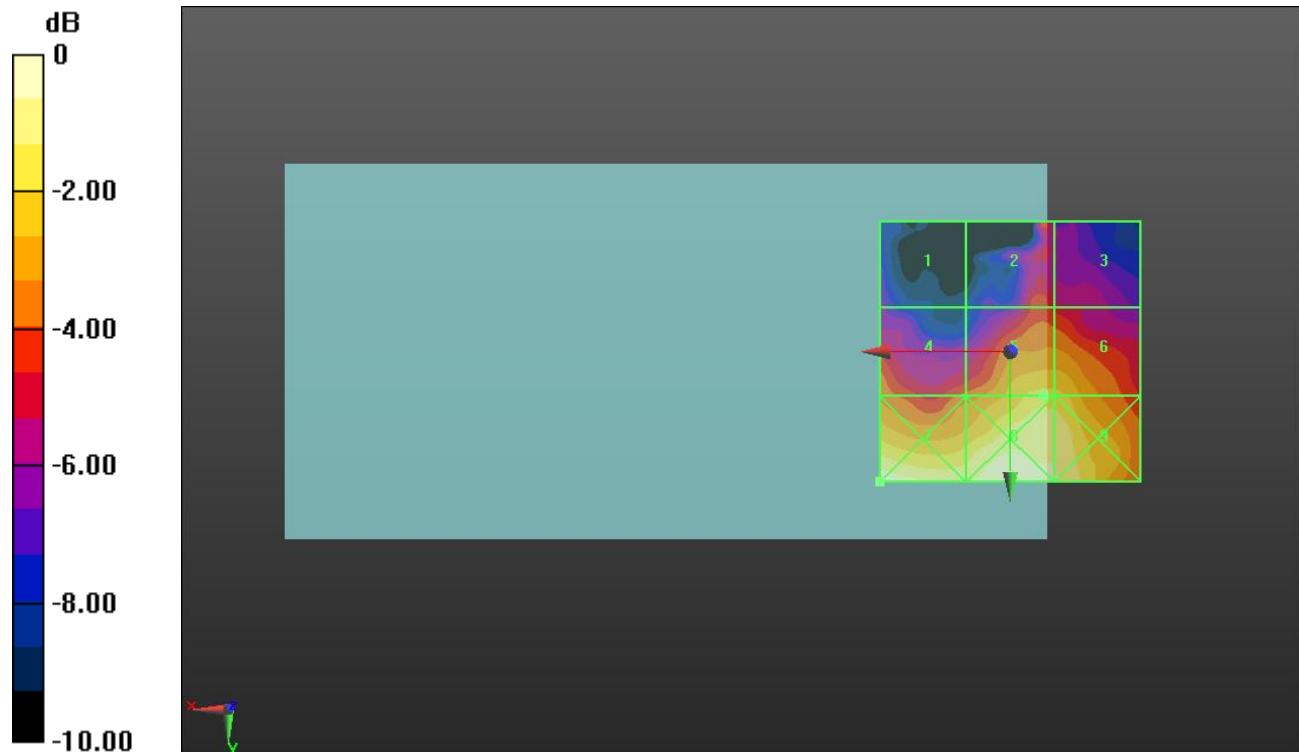
Applied MIF = 3.26 dB

RF audio interference level = 19.19 dBV/m

Emission category: **M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>14.57 dBV/m</b> | Grid 2 <b>M4</b><br><b>16.67 dBV/m</b> | Grid 3 <b>M4</b><br><b>15.92 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>17.47 dBV/m</b> | Grid 5 <b>M4</b><br><b>19.19 dBV/m</b> | Grid 6 <b>M4</b><br><b>19.15 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>20.87 dBV/m</b> | Grid 8 <b>M4</b><br><b>20.56 dBV/m</b> | Grid 9 <b>M4</b><br><b>20.3 dBV/m</b>  |



0 dB = 11.06 V/m = 20.88 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 = 7.670 V/m; Power Drift = -0.29 dB

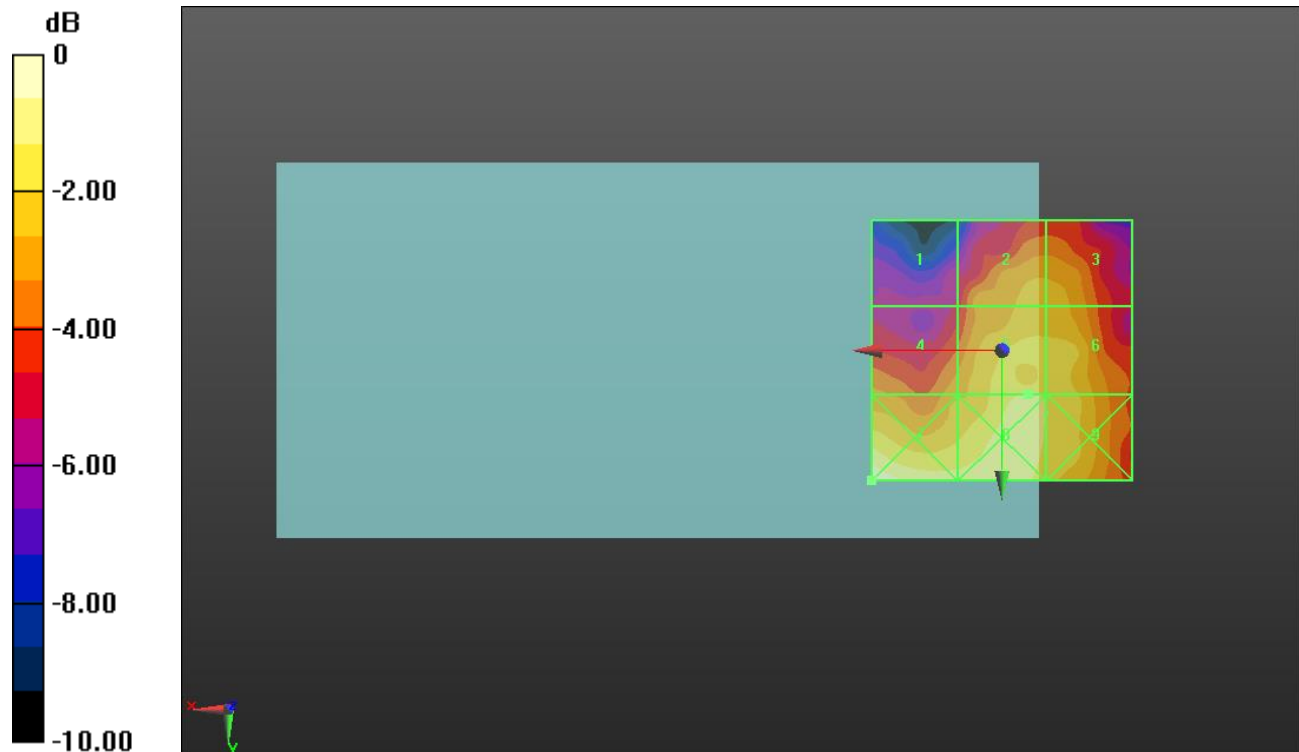
Applied MIF = 3.26 dB

RF audio interference level = 19.25 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>15.49 dBV/m</b> | Grid 2 <b>M4</b><br><b>18.2 dBV/m</b>  | Grid 3 <b>M4</b><br><b>18.21 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>17.66 dBV/m</b> | Grid 5 <b>M4</b><br><b>19.25 dBV/m</b> | Grid 6 <b>M4</b><br><b>19.03 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>20.45 dBV/m</b> | Grid 8 <b>M4</b><br><b>19.59 dBV/m</b> | Grid 9 <b>M4</b><br><b>19.16 dBV/m</b> |



0 dB = 10.53 V/m = 20.45 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 = 23.05 V/m; Power Drift = -0.02 dB

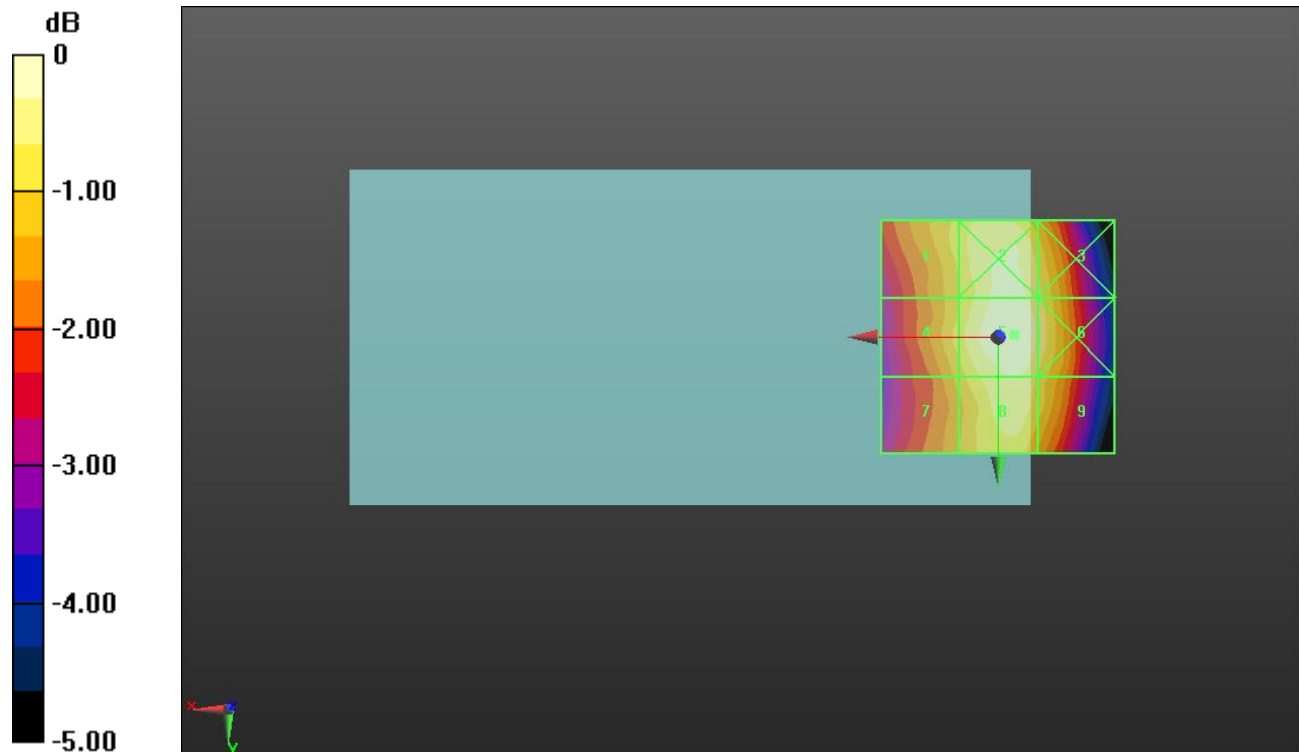
Applied MIF = 3.26 dB

RF audio interference level = 27.82 dBV/m

Emission category: **M4**

MIF scaled E-field

|                                 |                                 |                                 |
|---------------------------------|---------------------------------|---------------------------------|
| Grid 1 <b>M4</b><br>26.98 dBV/m | Grid 2 <b>M4</b><br>27.63 dBV/m | Grid 3 <b>M4</b><br>27.29 dBV/m |
| Grid 4 <b>M4</b><br>26.99 dBV/m | Grid 5 <b>M4</b><br>27.82 dBV/m | Grid 6 <b>M4</b><br>27.43 dBV/m |
| Grid 7 <b>M4</b><br>26.62 dBV/m | Grid 8 <b>M4</b><br>27.5 dBV/m  | Grid 9 <b>M4</b><br>27.12 dBV/m |



0 dB = 24.59 V/m = 27.82 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 = 23.44 V/m; Power Drift = -0.01 dB

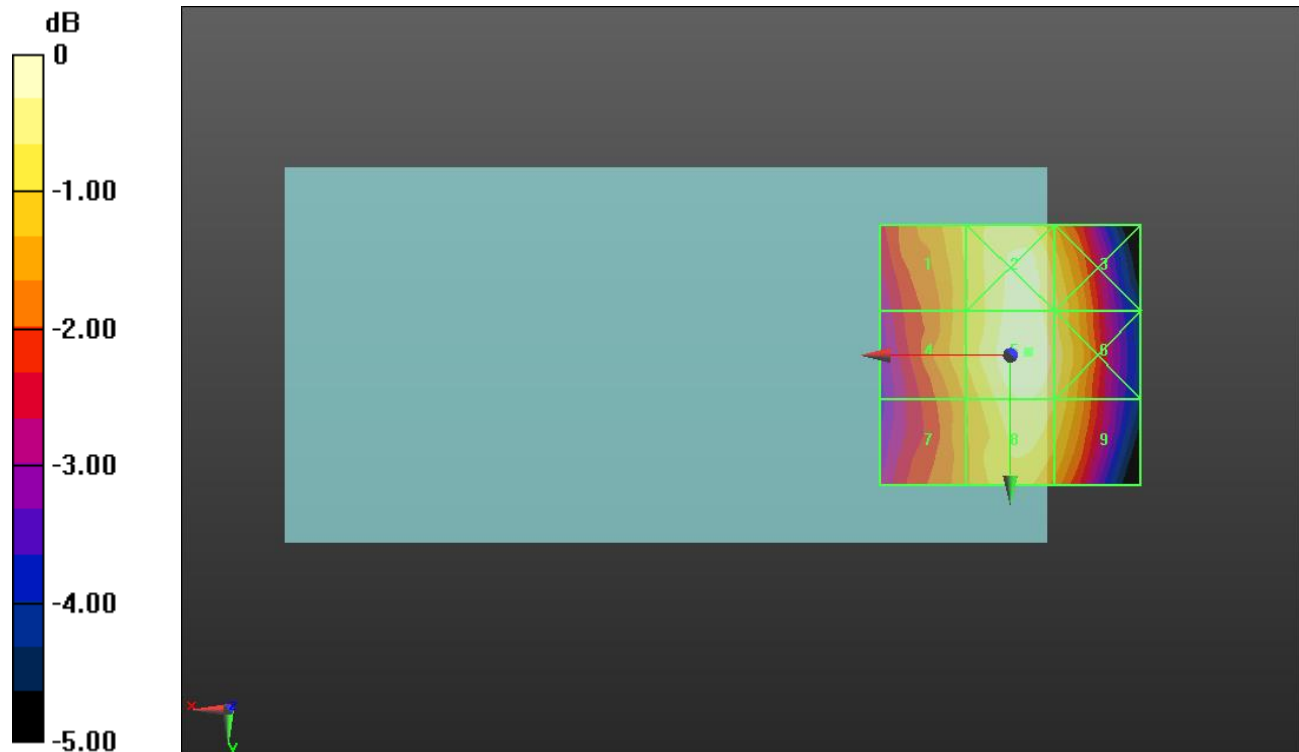
Applied MIF = 3.26 dB

RF audio interference level = 27.99 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                 |                                 |                                 |
|---------------------------------|---------------------------------|---------------------------------|
| Grid 1 <b>M4</b><br>27.06 dBV/m | Grid 2 <b>M4</b><br>27.8 dBV/m  | Grid 3 <b>M4</b><br>27.42 dBV/m |
| Grid 4 <b>M4</b><br>27.04 dBV/m | Grid 5 <b>M4</b><br>27.99 dBV/m | Grid 6 <b>M4</b><br>27.54 dBV/m |
| Grid 7 <b>M4</b><br>26.68 dBV/m | Grid 8 <b>M4</b><br>27.66 dBV/m | Grid 9 <b>M4</b><br>27.35 dBV/m |



0 dB = 25.08 V/m = 27.99 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 = 23.96 V/m; Power Drift = 0.04 dB

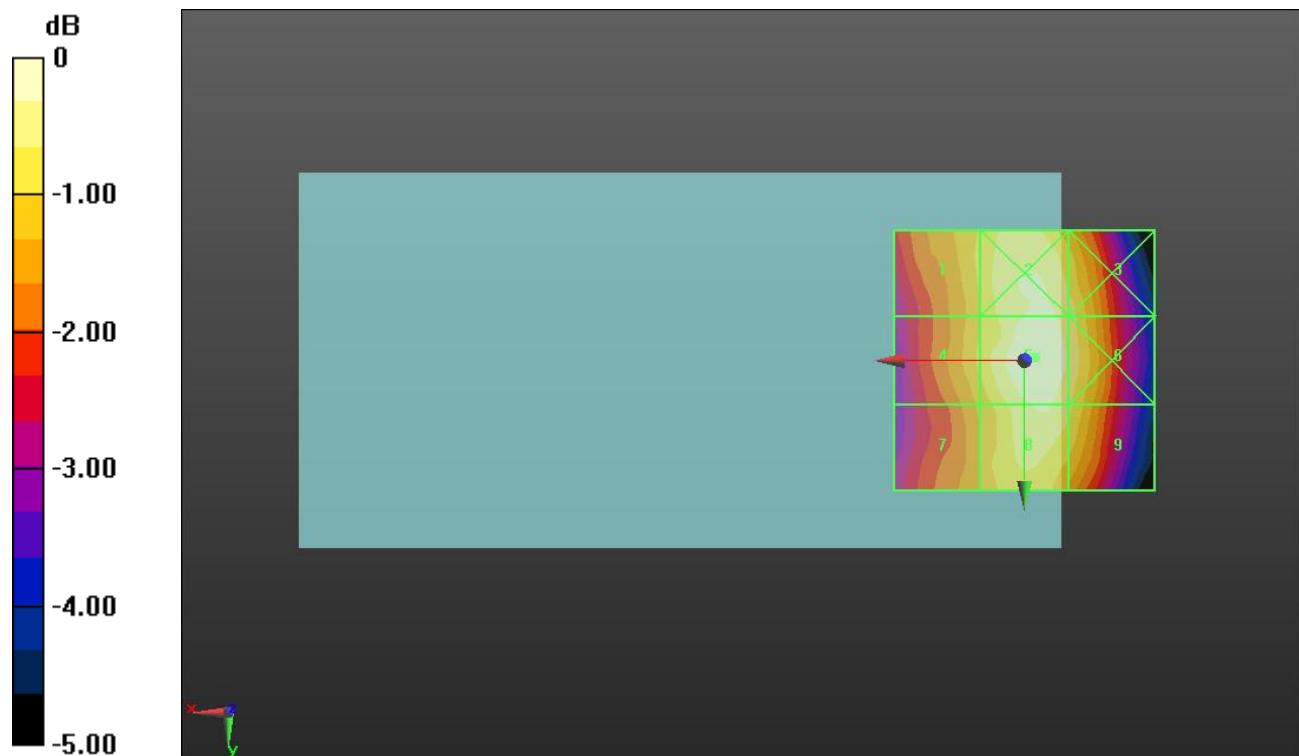
Applied MIF = 3.26 dB

RF audio interference level = 28.15 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                 |                                 |                                 |
|---------------------------------|---------------------------------|---------------------------------|
| Grid 1 <b>M4</b><br>27.25 dBV/m | Grid 2 <b>M4</b><br>27.91 dBV/m | Grid 3 <b>M4</b><br>27.66 dBV/m |
| Grid 4 <b>M4</b><br>27.23 dBV/m | Grid 5 <b>M4</b><br>28.15 dBV/m | Grid 6 <b>M4</b><br>27.76 dBV/m |
| Grid 7 <b>M4</b><br>26.91 dBV/m | Grid 8 <b>M4</b><br>27.86 dBV/m | Grid 9 <b>M4</b><br>27.57 dBV/m |



0 dB = 25.55 V/m = 28.15 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 = 12.71 V/m; Power Drift = -0.01 dB

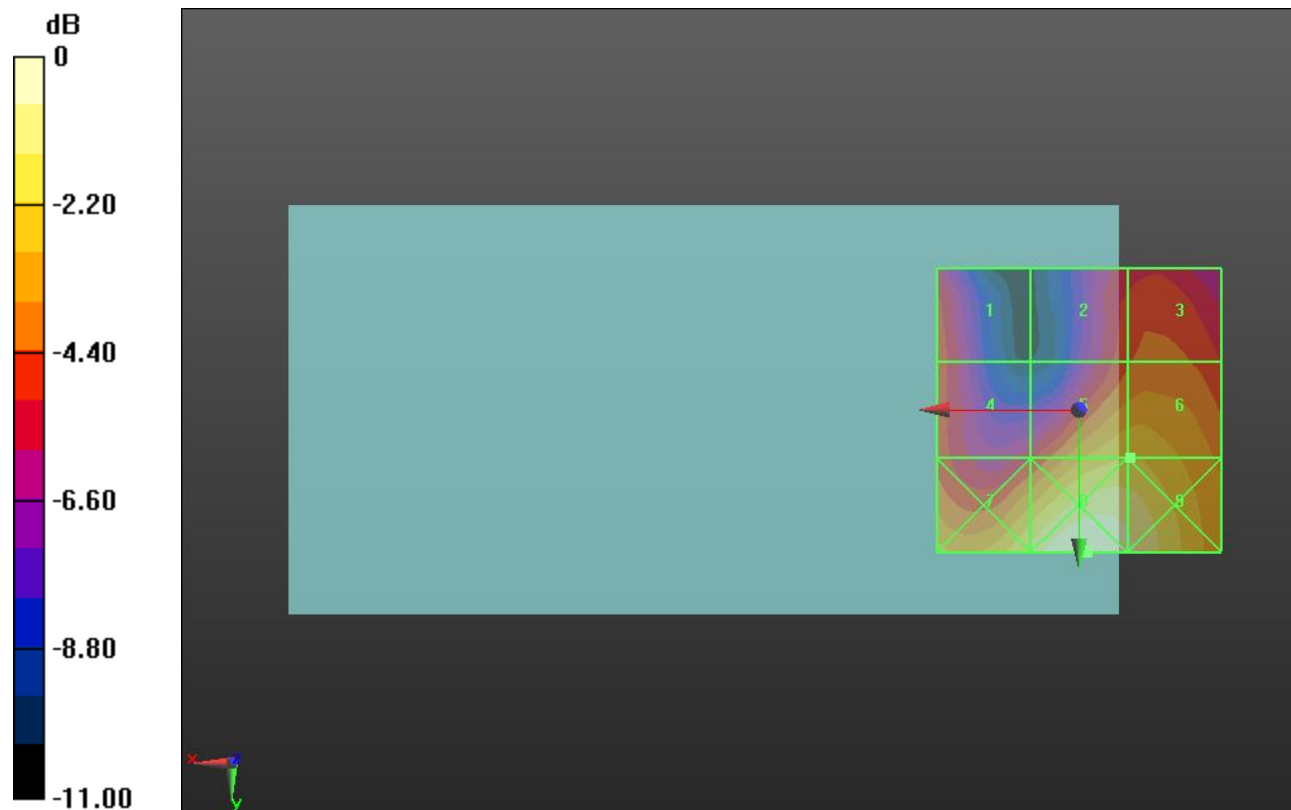
Applied MIF = -1.44 dB

RF audio interference level = 22.21 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>19.72 dBV/m</b> | Grid 2 <b>M4</b><br><b>19.88 dBV/m</b> | Grid 3 <b>M4</b><br><b>20.31 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>19.84 dBV/m</b> | Grid 5 <b>M4</b><br><b>22.21 dBV/m</b> | Grid 6 <b>M4</b><br><b>22.21 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>23.18 dBV/m</b> | Grid 8 <b>M4</b><br><b>24.4 dBV/m</b>  | Grid 9 <b>M4</b><br><b>23.87 dBV/m</b> |



0 dB = 16.59 V/m = 24.40 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 = 12.21 V/m; Power Drift = -0.01 dB

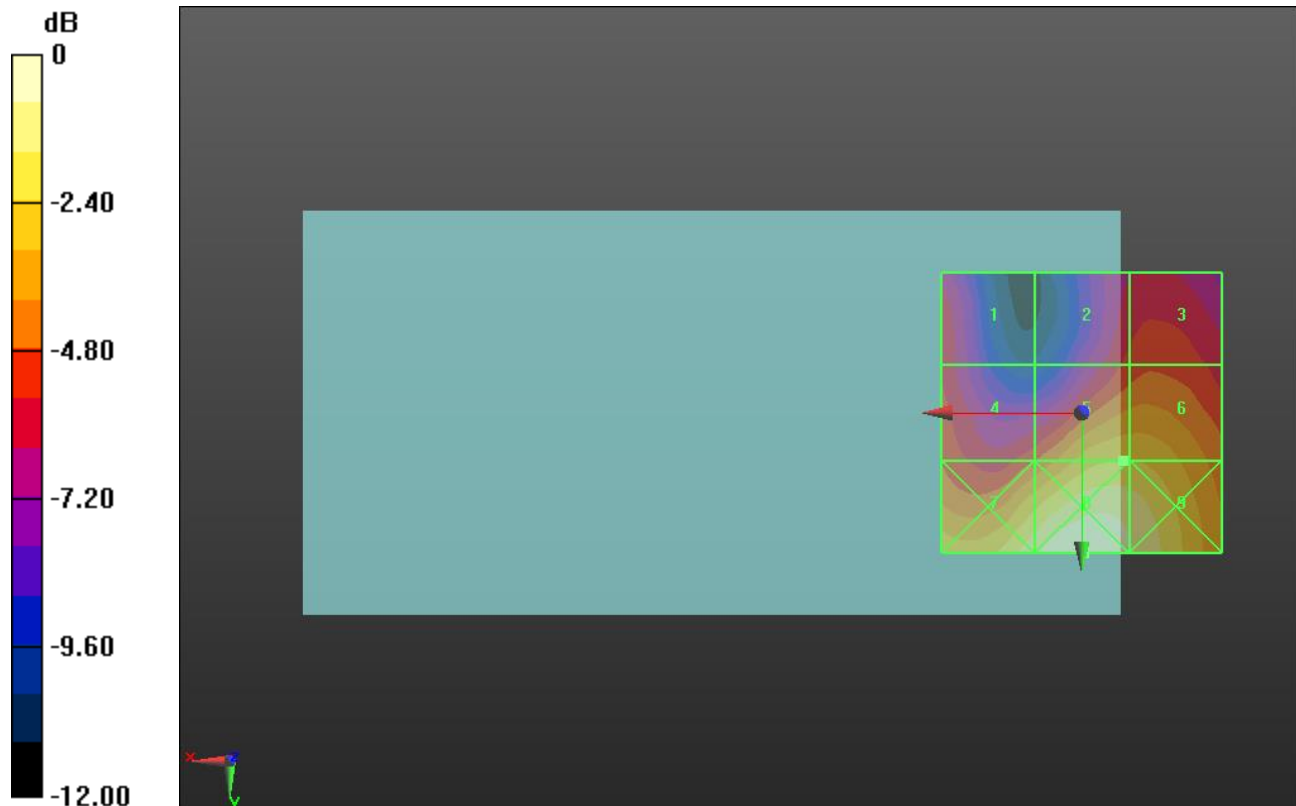
Applied MIF = -1.44 dB

RF audio interference level = 21.45 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>18.23 dBV/m</b> | Grid 2 <b>M4</b><br><b>18.57 dBV/m</b> | Grid 3 <b>M4</b><br><b>18.92 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>18.99 dBV/m</b> | Grid 5 <b>M4</b><br><b>21.45 dBV/m</b> | Grid 6 <b>M4</b><br><b>21.43 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>22.84 dBV/m</b> | Grid 8 <b>M4</b><br><b>23.81 dBV/m</b> | Grid 9 <b>M4</b><br><b>23.12 dBV/m</b> |



0 dB = 15.50 V/m = 23.81 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 = 13.19 V/m; Power Drift = -0.13 dB

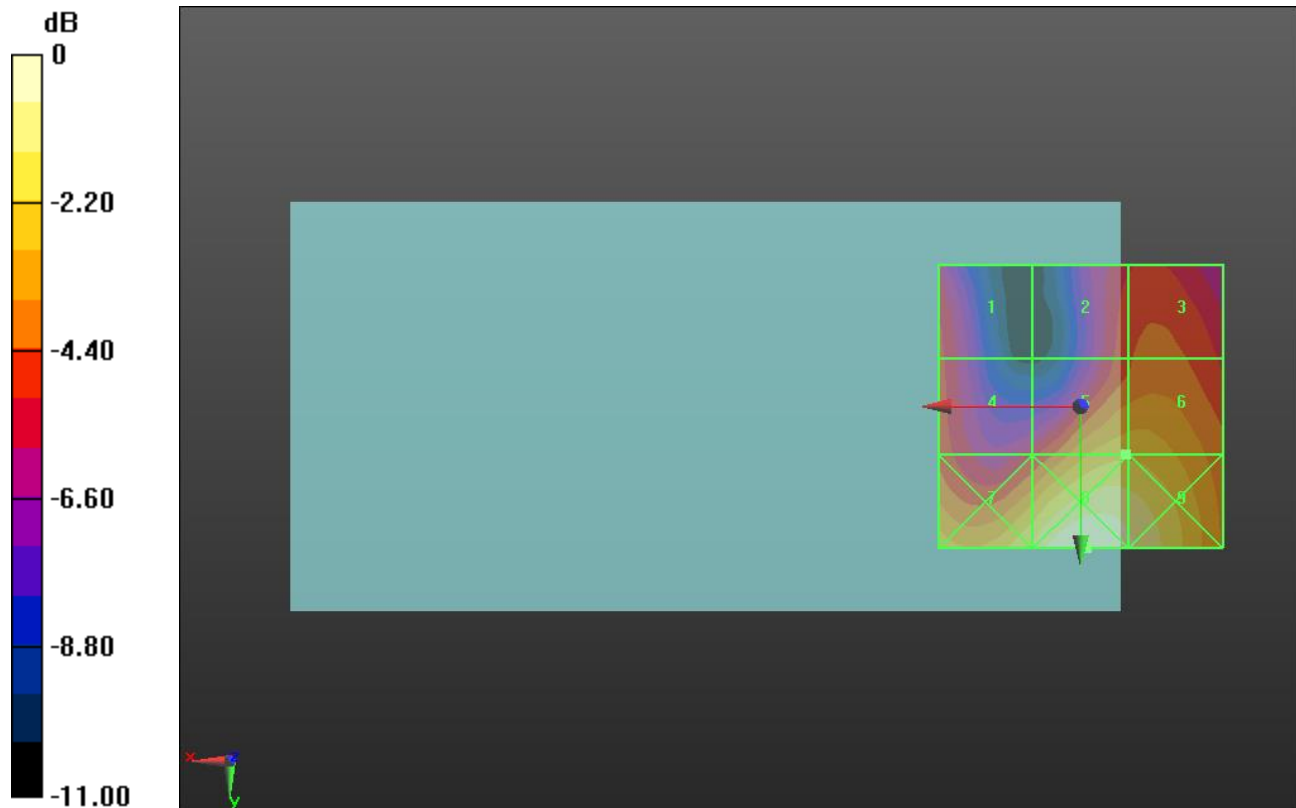
Applied MIF = -1.44 dB

RF audio interference level = 22.35 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>19.83 dBV/m</b> | Grid 2 <b>M4</b><br><b>20.21 dBV/m</b> | Grid 3 <b>M4</b><br><b>20.56 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>20.17 dBV/m</b> | Grid 5 <b>M4</b><br><b>22.35 dBV/m</b> | Grid 6 <b>M4</b><br><b>22.35 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>23.47 dBV/m</b> | Grid 8 <b>M4</b><br><b>24.69 dBV/m</b> | Grid 9 <b>M4</b><br><b>24.11 dBV/m</b> |



0 dB = 17.16 V/m = 24.69 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 = 13.10 V/m; Power Drift = -0.14 dB

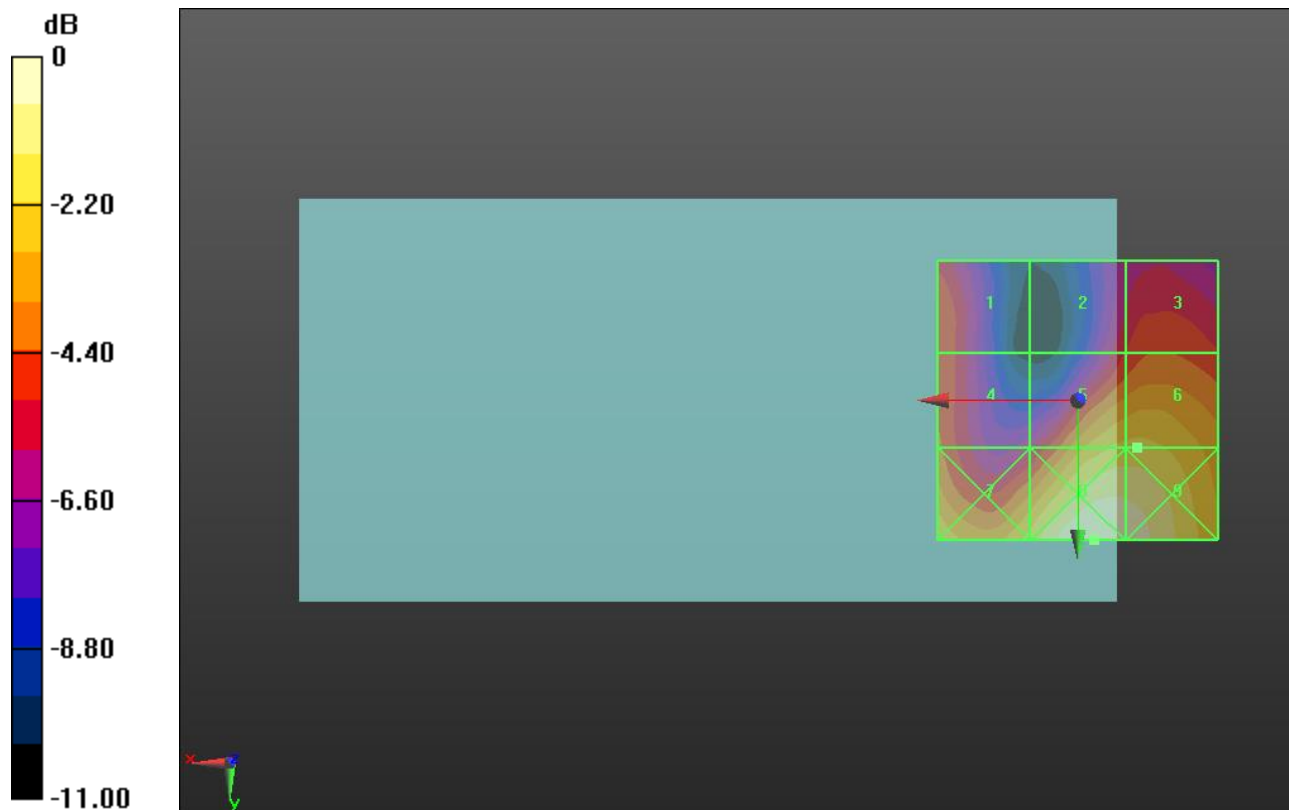
Applied MIF = -1.44 dB

RF audio interference level = 22.96 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>20.5 dBV/m</b>  | Grid 2 <b>M4</b><br><b>19.82 dBV/m</b> | Grid 3 <b>M4</b><br><b>20.53 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>20.72 dBV/m</b> | Grid 5 <b>M4</b><br><b>22.91 dBV/m</b> | Grid 6 <b>M4</b><br><b>22.96 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>23.08 dBV/m</b> | Grid 8 <b>M4</b><br><b>24.88 dBV/m</b> | Grid 9 <b>M4</b><br><b>24.67 dBV/m</b> |



0 dB = 17.54 V/m = 24.88 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 = 11.44 V/m; Power Drift = -0.09 dB

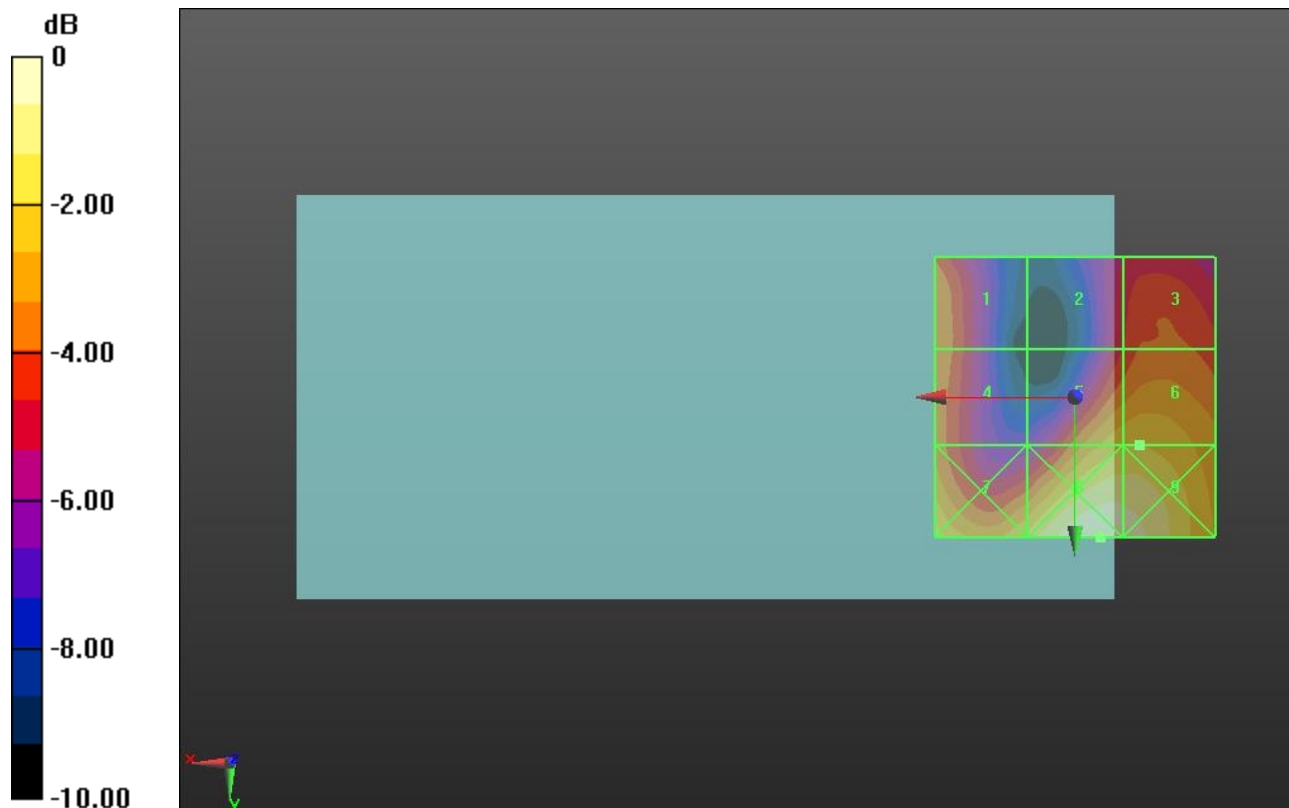
Applied MIF = -1.44 dB

RF audio interference level = 22.63 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                       |                                        |
|----------------------------------------|---------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>21.3 dBV/m</b>  | Grid 2 <b>M4</b><br><b>20 dBV/m</b>   | Grid 3 <b>M4</b><br><b>20.81 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>21.28 dBV/m</b> | Grid 5 <b>M4</b><br><b>22.5 dBV/m</b> | Grid 6 <b>M4</b><br><b>22.63 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>23 dBV/m</b>    | Grid 8 <b>M4</b><br><b>24.6 dBV/m</b> | Grid 9 <b>M4</b><br><b>24.4 dBV/m</b>  |



0 dB = 16.99 V/m = 24.60 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 = 11.65 V/m; Power Drift = -0.07 dB

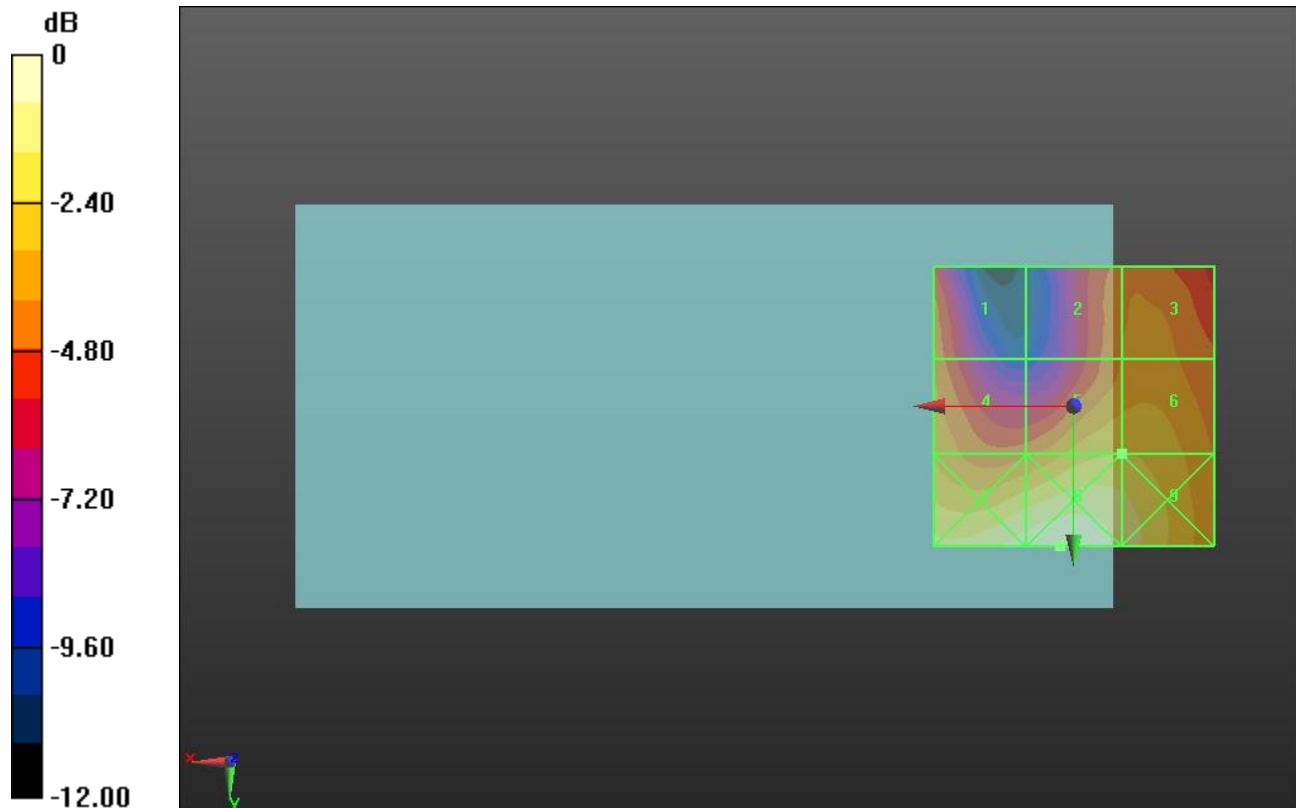
Applied MIF = -1.44 dB

RF audio interference level = 20.92 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>19.33 dBV/m</b> | Grid 3 <b>M4</b><br><b>19.7 dBV/m</b>  |
| Grid 4 <b>M4</b><br><b>20.04 dBV/m</b> | Grid 5 <b>M4</b><br><b>20.92 dBV/m</b> | Grid 6 <b>M4</b><br><b>20.92 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>22.95 dBV/m</b> | Grid 8 <b>M4</b><br><b>23.28 dBV/m</b> | Grid 9 <b>M4</b><br><b>22.27 dBV/m</b> |



0 dB = 14.59 V/m = 23.28 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 = 13.00 V/m; Power Drift = -0.10 dB

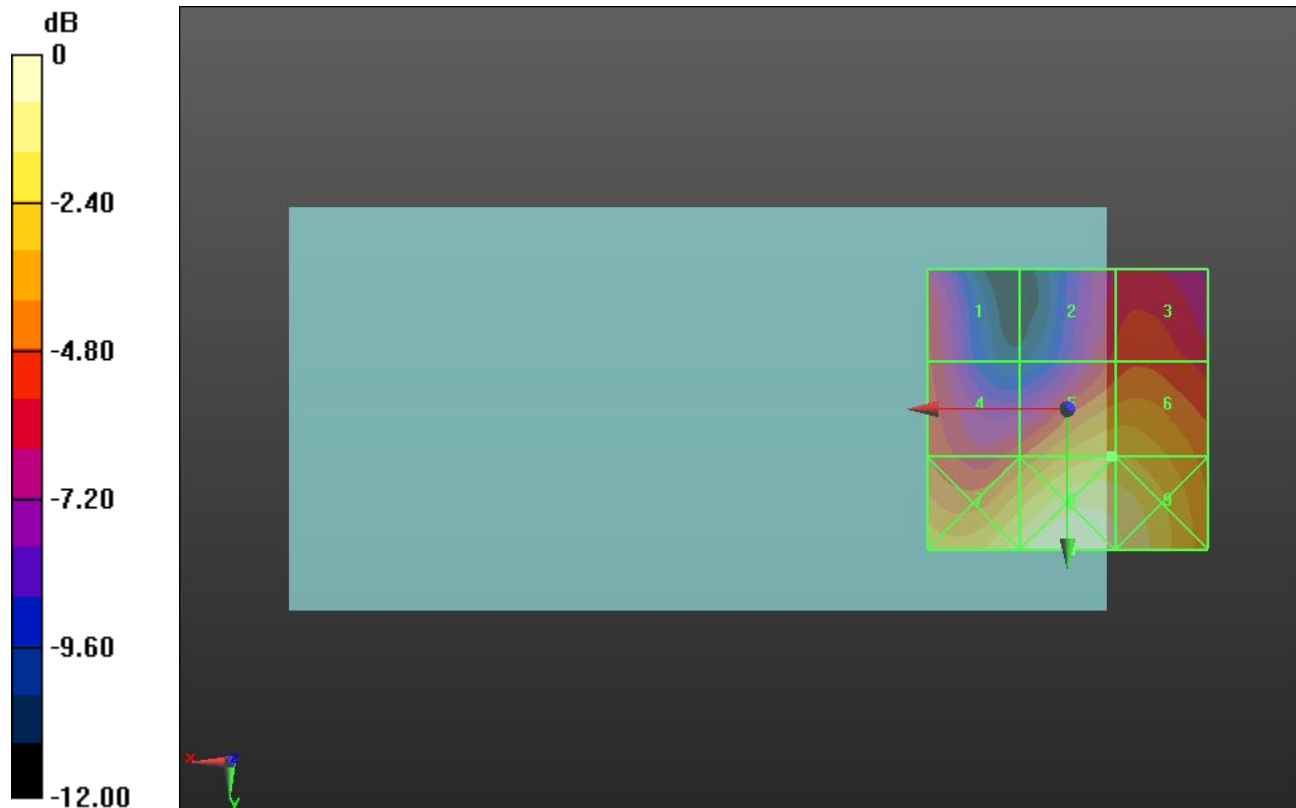
Applied MIF = -1.44 dB

RF audio interference level = 21.99 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>18.96 dBV/m</b> | Grid 2 <b>M4</b><br><b>19.04 dBV/m</b> | Grid 3 <b>M4</b><br><b>19.43 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>19.63 dBV/m</b> | Grid 5 <b>M4</b><br><b>21.99 dBV/m</b> | Grid 6 <b>M4</b><br><b>21.99 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>23.24 dBV/m</b> | Grid 8 <b>M4</b><br><b>24.31 dBV/m</b> | Grid 9 <b>M4</b><br><b>23.68 dBV/m</b> |



0 dB = 16.42 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: 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 = 13.83 V/m; Power Drift = -0.10 dB

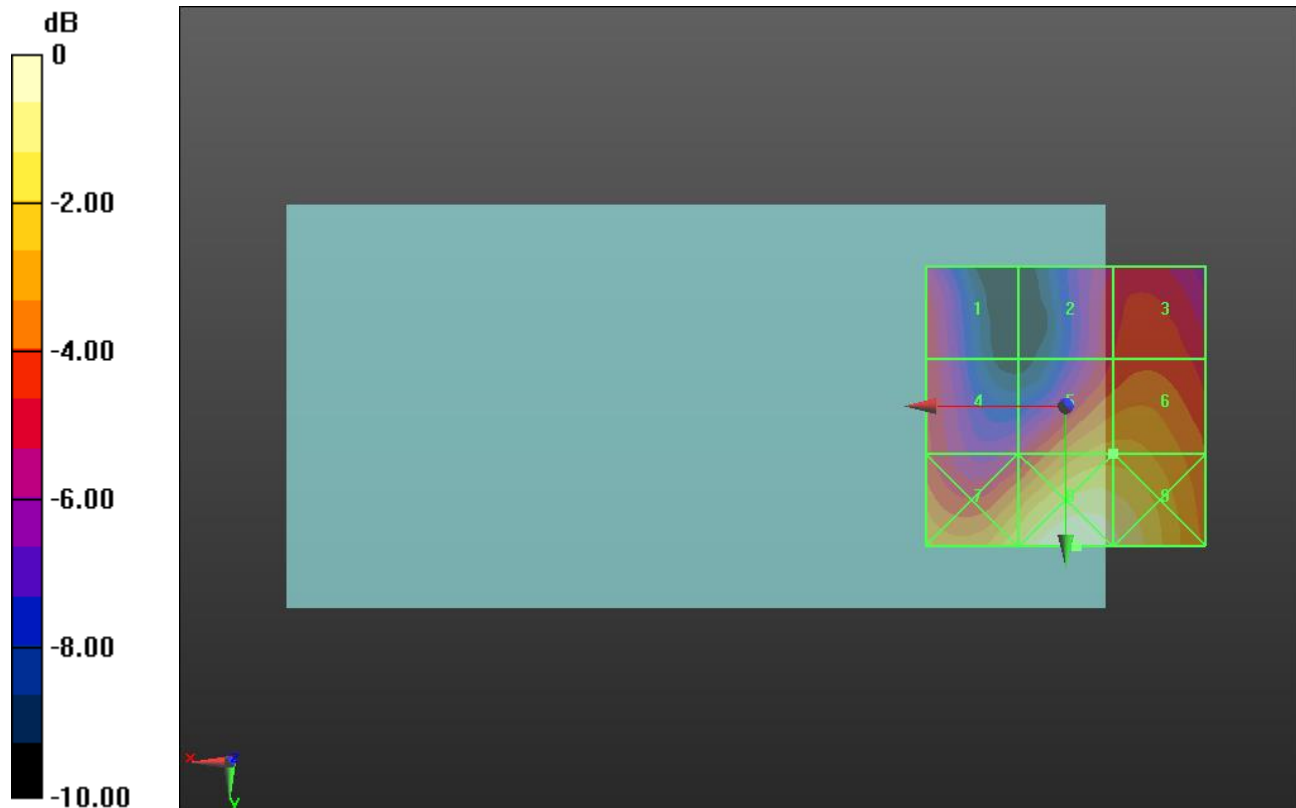
Applied MIF = -1.44 dB

RF audio interference level = 22.95 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>20.61 dBV/m</b> | Grid 2 <b>M4</b><br><b>20.66 dBV/m</b> | Grid 3 <b>M4</b><br><b>21.13 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>20.89 dBV/m</b> | Grid 5 <b>M4</b><br><b>22.95 dBV/m</b> | Grid 6 <b>M4</b><br><b>22.95 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>23.94 dBV/m</b> | Grid 8 <b>M4</b><br><b>25.26 dBV/m</b> | Grid 9 <b>M4</b><br><b>24.79 dBV/m</b> |



0 dB = 18.33 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: 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 = 14.02 V/m; Power Drift = -0.01 dB

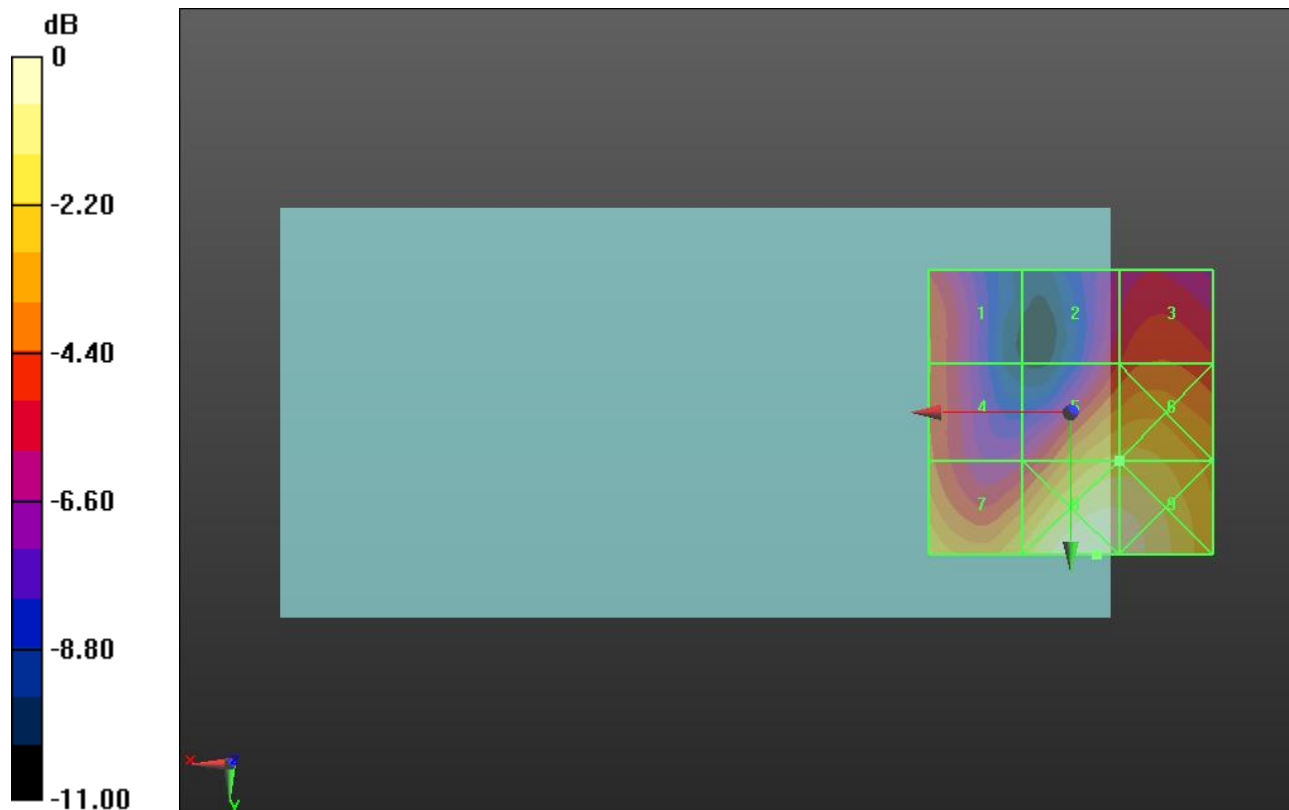
Applied MIF = -1.44 dB

RF audio interference level = 23.68 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>21.28 dBV/m</b> | Grid 2 <b>M4</b><br><b>20.52 dBV/m</b> | Grid 3 <b>M4</b><br><b>21.29 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>21.48 dBV/m</b> | Grid 5 <b>M4</b><br><b>23.68 dBV/m</b> | Grid 6 <b>M4</b><br><b>23.73 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>23.65 dBV/m</b> | Grid 8 <b>M4</b><br><b>25.59 dBV/m</b> | Grid 9 <b>M4</b><br><b>25.39 dBV/m</b> |



0 dB = 19.02 V/m = 25.58 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 = 12.06 V/m; Power Drift = -0.04 dB

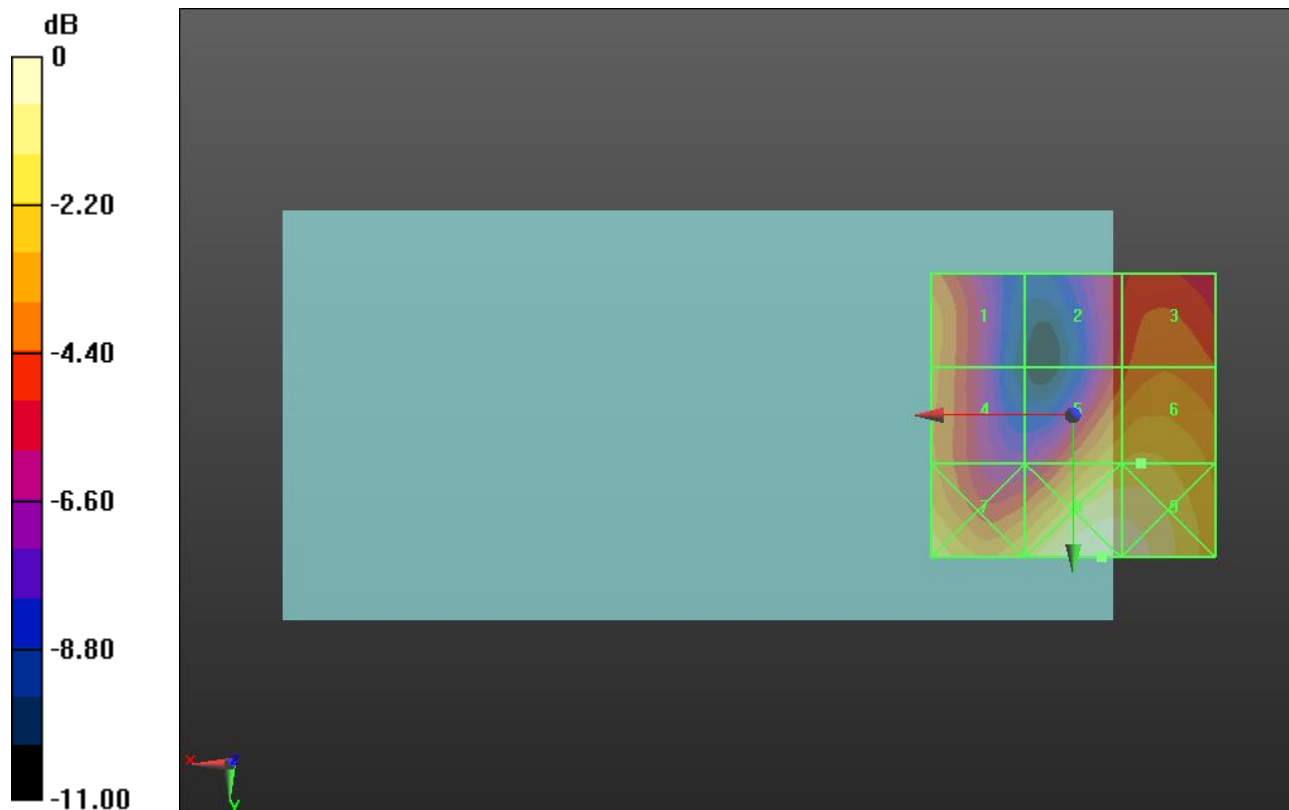
Applied MIF = -1.44 dB

RF audio interference level = 23.25 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>22.01 dBV/m</b> | Grid 2 <b>M4</b><br><b>20.48 dBV/m</b> | Grid 3 <b>M4</b><br><b>21.52 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>21.8 dBV/m</b>  | Grid 5 <b>M4</b><br><b>23.07 dBV/m</b> | Grid 6 <b>M4</b><br><b>23.25 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>23.87 dBV/m</b> | Grid 8 <b>M4</b><br><b>25.22 dBV/m</b> | Grid 9 <b>M4</b><br><b>25.05 dBV/m</b> |



0 dB = 18.23 V/m = 25.22 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 = 86.29 V/m; Power Drift = -0.07 dB

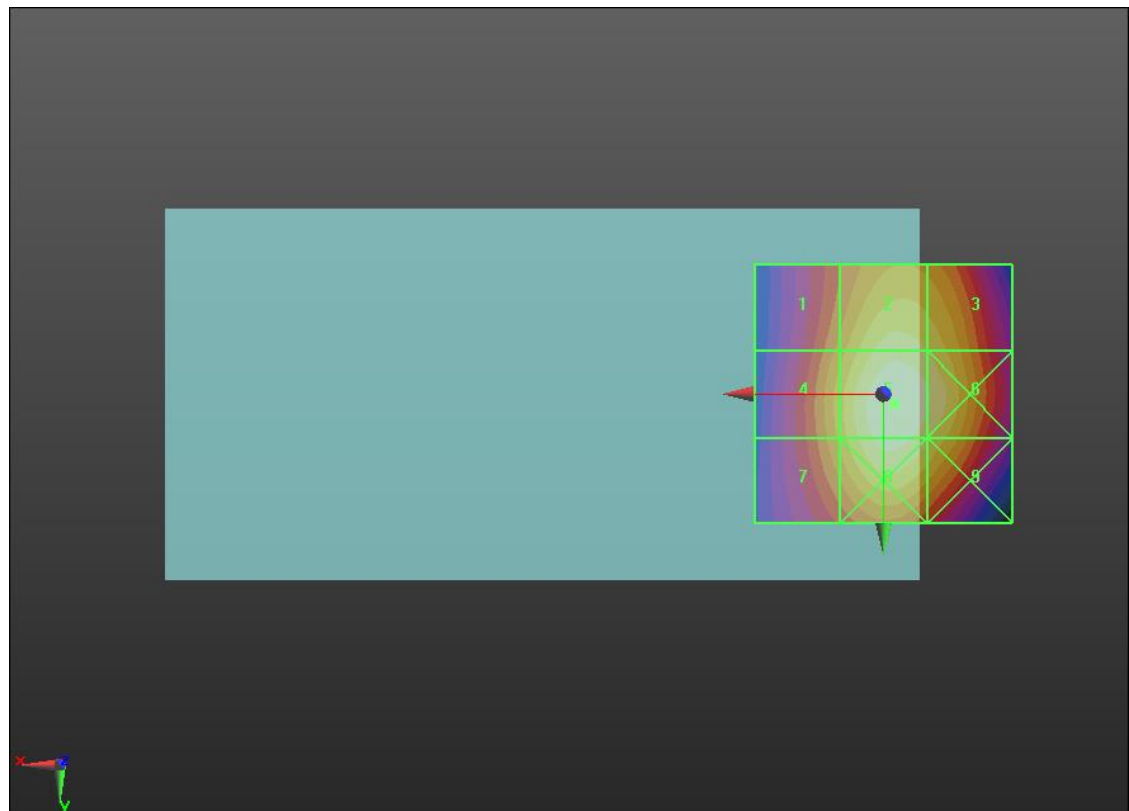
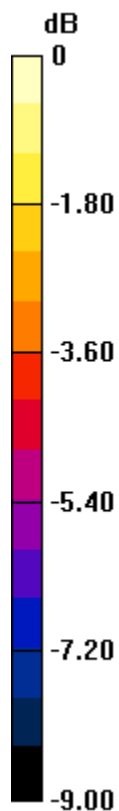
Applied MIF = 3.63 dB

RF audio interference level = 37.27 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>34.55 dBV/m</b> | Grid 2 <b>M4</b><br><b>36.44 dBV/m</b> | Grid 3 <b>M4</b><br><b>36.07 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>35.27 dBV/m</b> | Grid 5 <b>M4</b><br><b>37.27 dBV/m</b> | Grid 6 <b>M4</b><br><b>36.76 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>35.03 dBV/m</b> | Grid 8 <b>M4</b><br><b>36.95 dBV/m</b> | Grid 9 <b>M4</b><br><b>36.22 dBV/m</b> |



0 dB = 73.04 V/m = 37.27 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 = 85.55 V/m; Power Drift = 0.95 dB

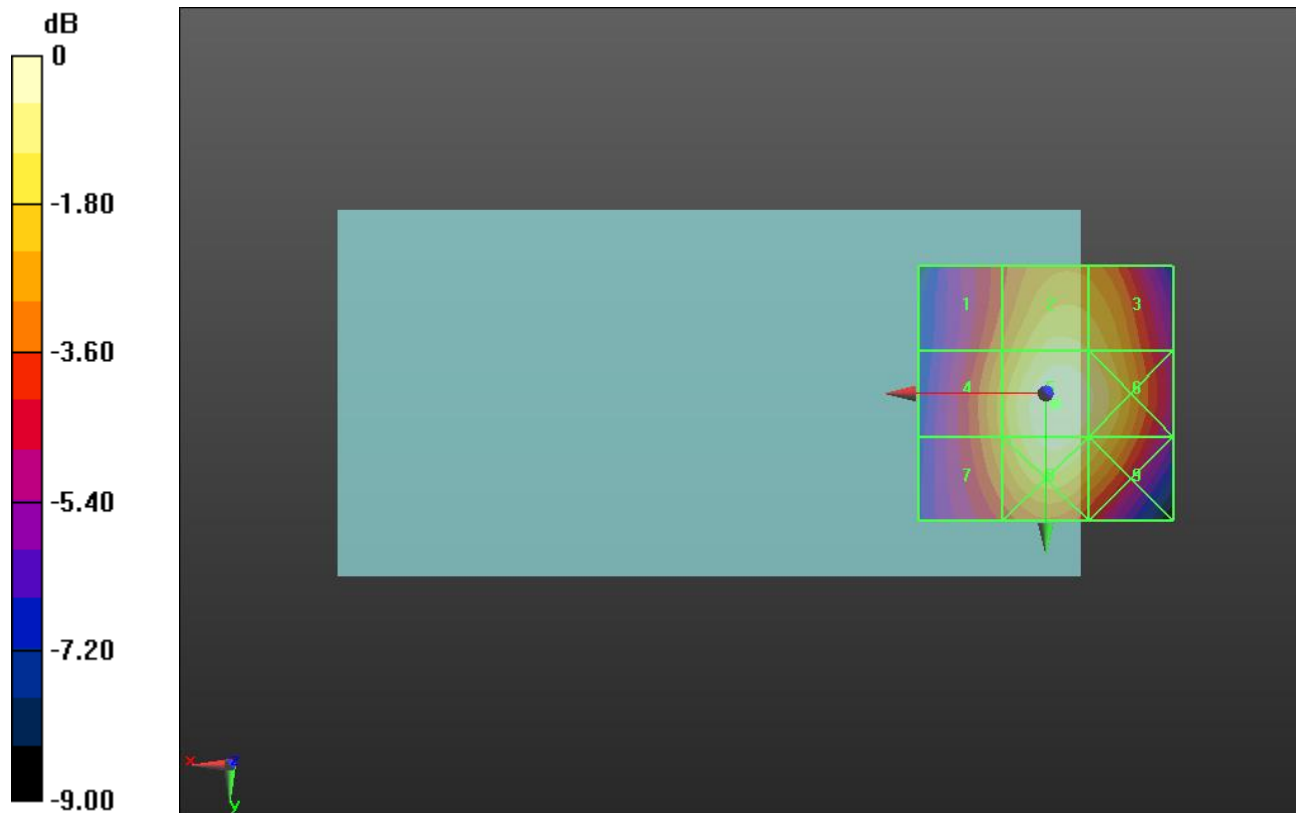
Applied MIF = 3.63 dB

RF audio interference level = 38.21 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>35.38 dBV/m</b> | Grid 2 <b>M4</b><br><b>37.31 dBV/m</b> | Grid 3 <b>M4</b><br><b>37.02 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>36.19 dBV/m</b> | Grid 5 <b>M4</b><br><b>38.21 dBV/m</b> | Grid 6 <b>M4</b><br><b>37.74 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>35.97 dBV/m</b> | Grid 8 <b>M4</b><br><b>37.9 dBV/m</b>  | Grid 9 <b>M4</b><br><b>37.21 dBV/m</b> |



0 dB = 81.40 V/m = 38.21 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 = 43.54 V/m; Power Drift = -0.06 dB

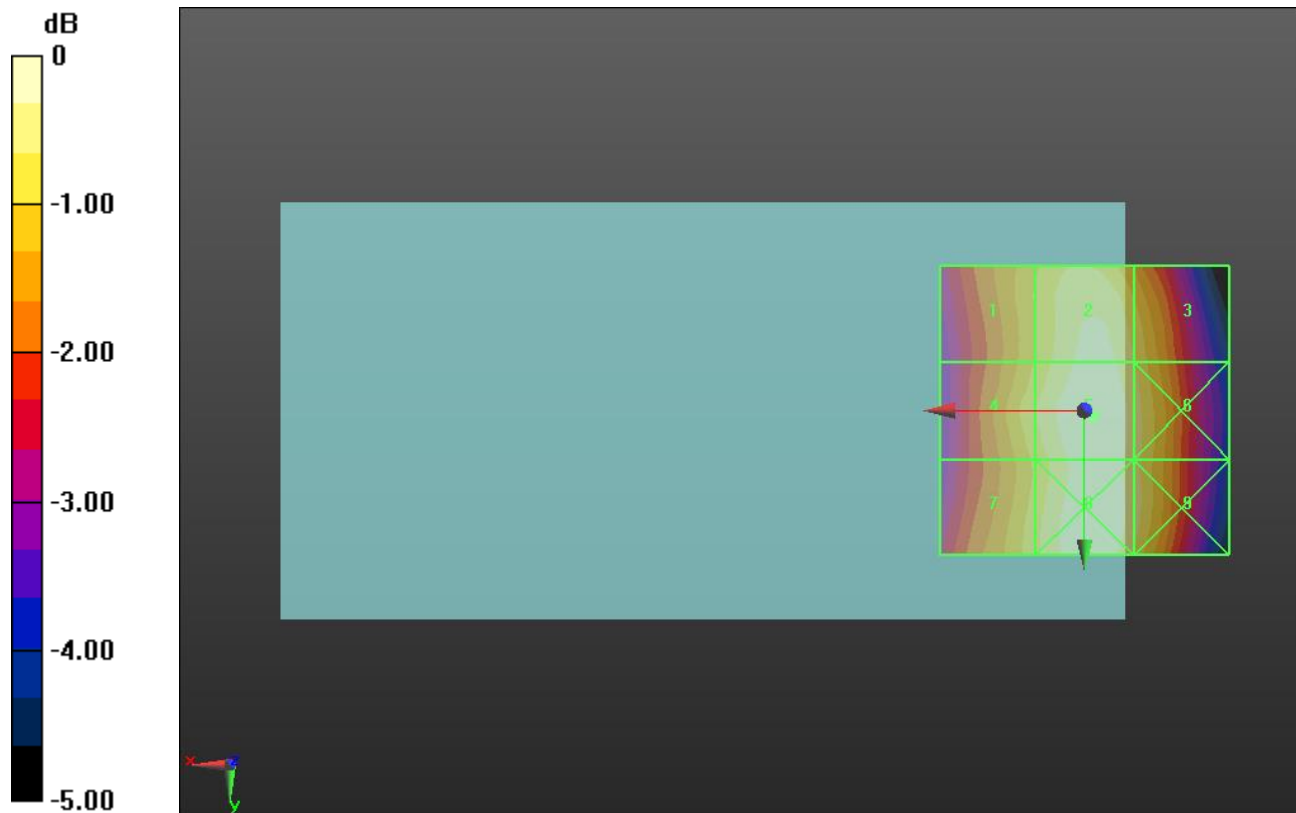
Applied MIF = 3.63 dB

RF audio interference level = 33.86 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>32.89 dBV/m</b> | Grid 2 <b>M4</b><br><b>33.65 dBV/m</b> | Grid 3 <b>M4</b><br><b>33.21 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>33.18 dBV/m</b> | Grid 5 <b>M4</b><br><b>33.86 dBV/m</b> | Grid 6 <b>M4</b><br><b>33.4 dBV/m</b>  |
| Grid 7 <b>M4</b><br><b>33.09 dBV/m</b> | Grid 8 <b>M4</b><br><b>33.82 dBV/m</b> | Grid 9 <b>M4</b><br><b>33.39 dBV/m</b> |



0 dB = 49.30 V/m = 33.86 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 = 9.197 V/m; Power Drift = -0.07 dB

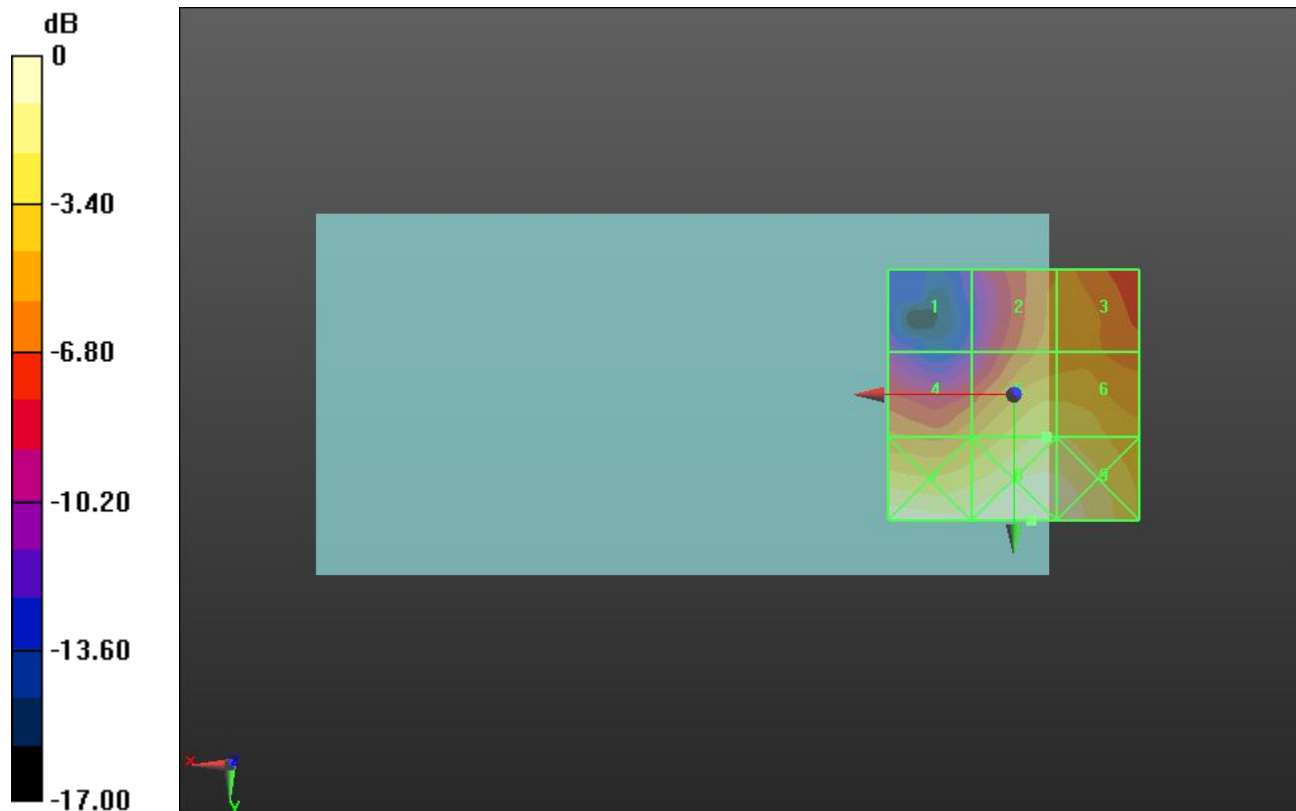
Applied MIF = 3.63 dB

RF audio interference level = 23.51 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>15.09 dBV/m</b> | Grid 2 <b>M4</b><br><b>20.48 dBV/m</b> | Grid 3 <b>M4</b><br><b>20.62 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>20.98 dBV/m</b> | Grid 5 <b>M4</b><br><b>23.51 dBV/m</b> | Grid 6 <b>M4</b><br><b>23.46 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>25.4 dBV/m</b>  | Grid 8 <b>M4</b><br><b>25.63 dBV/m</b> | Grid 9 <b>M4</b><br><b>25.39 dBV/m</b> |



0 dB = 19.12 V/m = 25.63 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 = 12.22 V/m; Power Drift = -0.13 dB

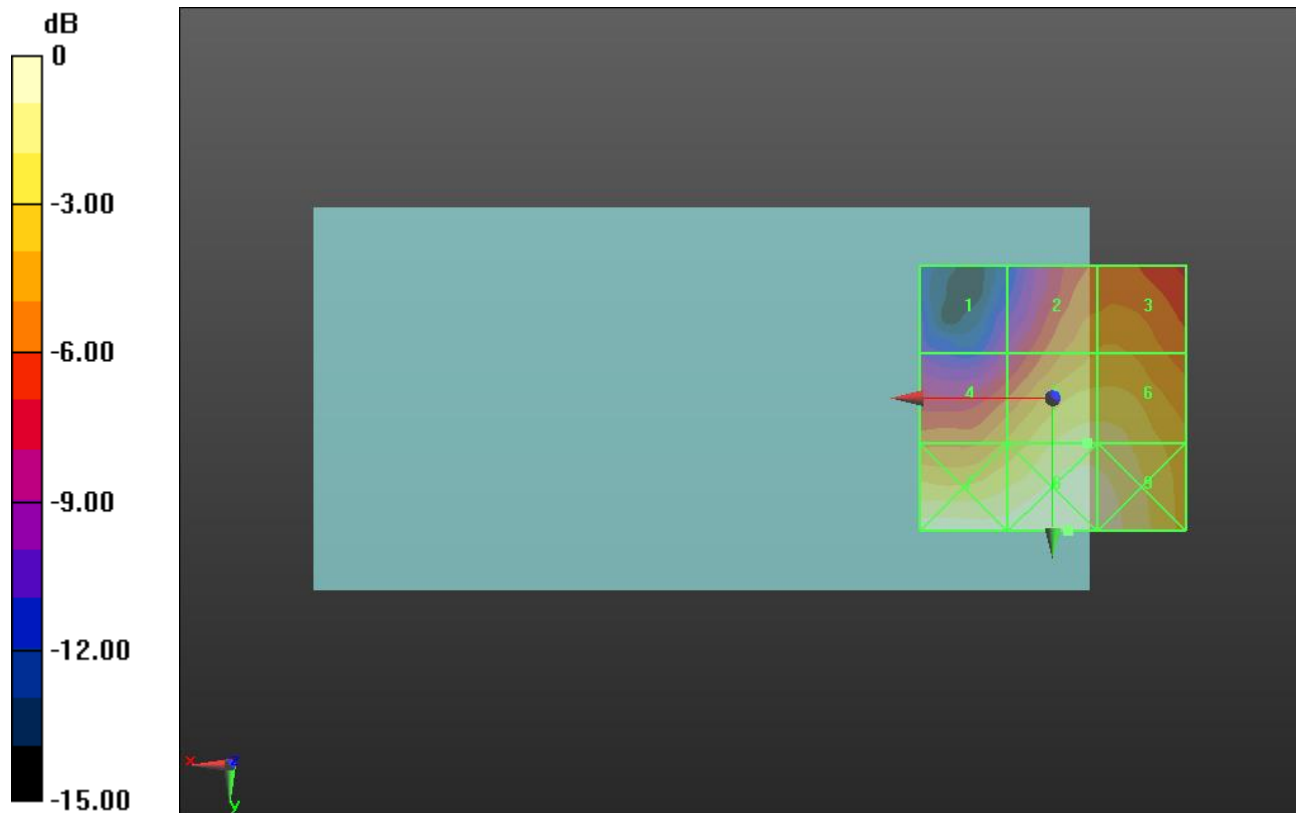
Applied MIF = 3.63 dB

RF audio interference level = 25.28 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>18.13 dBV/m</b> | Grid 2 <b>M4</b><br><b>22.82 dBV/m</b> | Grid 3 <b>M4</b><br><b>22.96 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>22.96 dBV/m</b> | Grid 5 <b>M4</b><br><b>25.28 dBV/m</b> | Grid 6 <b>M4</b><br><b>25.25 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>26.51 dBV/m</b> | Grid 8 <b>M4</b><br><b>26.73 dBV/m</b> | Grid 9 <b>M4</b><br><b>26.44 dBV/m</b> |



0 dB = 21.71 V/m = 26.73 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 = 13.68 V/m; Power Drift = -0.13 dB

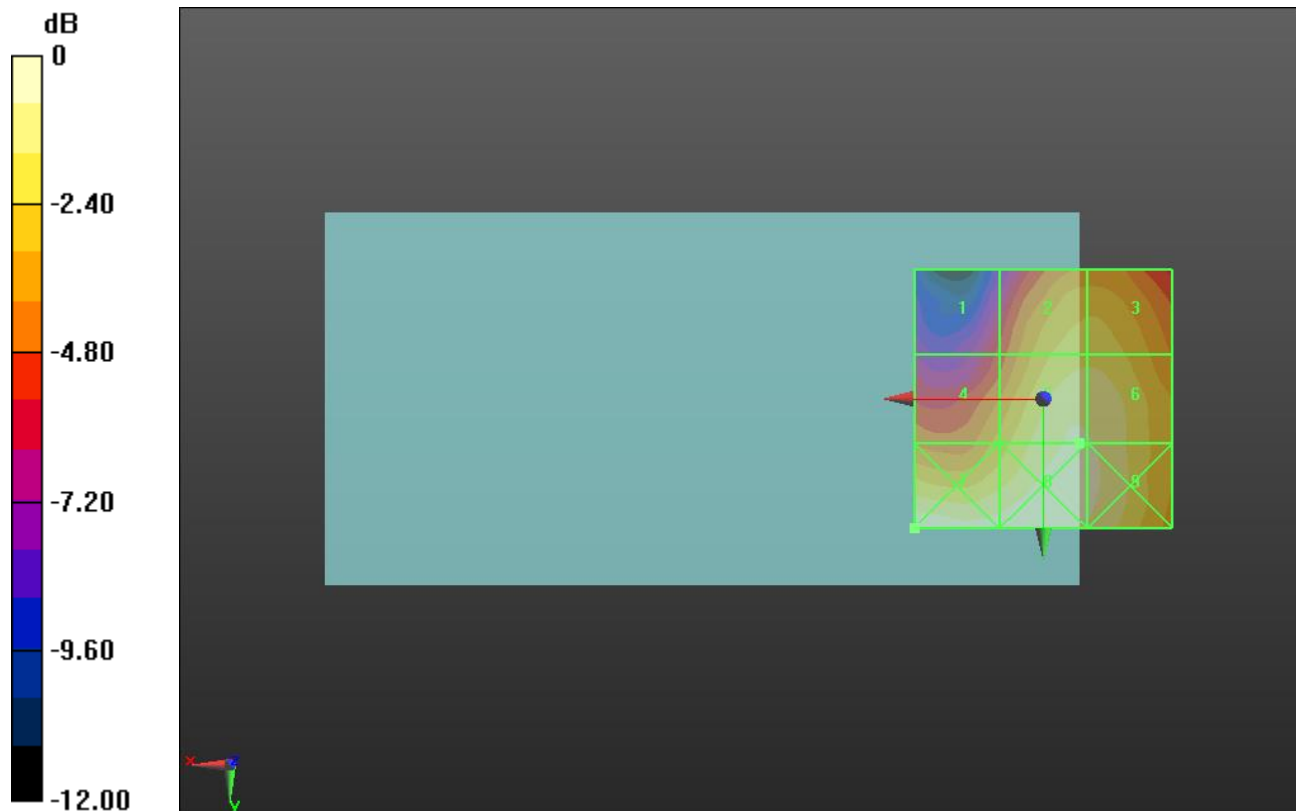
Applied MIF = 3.63 dB

RF audio interference level = 25.09 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>20.53 dBV/m</b> | Grid 2 <b>M4</b><br><b>23.98 dBV/m</b> | Grid 3 <b>M4</b><br><b>23.98 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>22.94 dBV/m</b> | Grid 5 <b>M4</b><br><b>25.09 dBV/m</b> | Grid 6 <b>M4</b><br><b>25.06 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>25.8 dBV/m</b>  | Grid 8 <b>M4</b><br><b>25.51 dBV/m</b> | Grid 9 <b>M4</b><br><b>25.19 dBV/m</b> |



0 dB = 19.50 V/m = 25.80 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 = 46.87 V/m; Power Drift = -0.07 dB

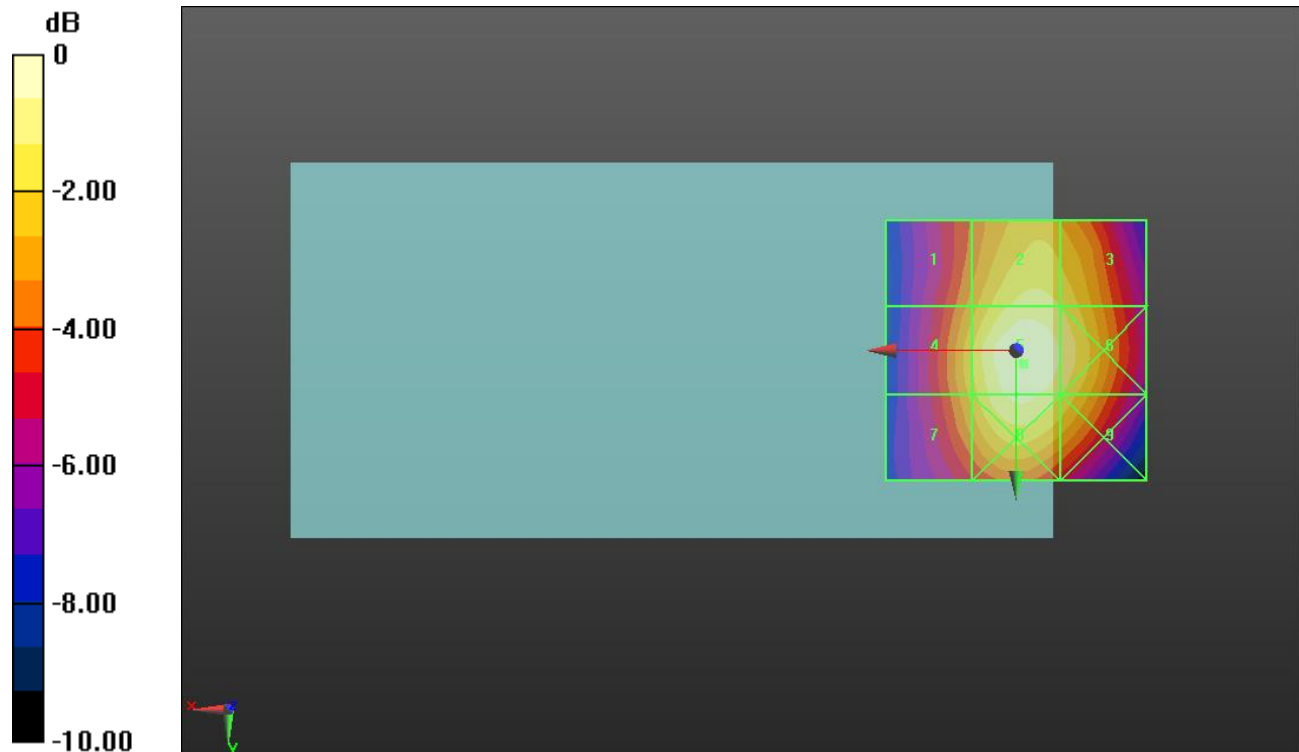
Applied MIF = 3.26 dB

RF audio interference level = 31.13 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>28.17 dBV/m</b> | Grid 2 <b>M4</b><br><b>30.15 dBV/m</b> | Grid 3 <b>M4</b><br><b>29.79 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>29.11 dBV/m</b> | Grid 5 <b>M4</b><br><b>31.13 dBV/m</b> | Grid 6 <b>M4</b><br><b>30.43 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>28.74 dBV/m</b> | Grid 8 <b>M4</b><br><b>30.69 dBV/m</b> | Grid 9 <b>M4</b><br><b>29.84 dBV/m</b> |



0 dB = 36.03 V/m = 31.13 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 = 50.66 V/m; Power Drift = -0.11 dB

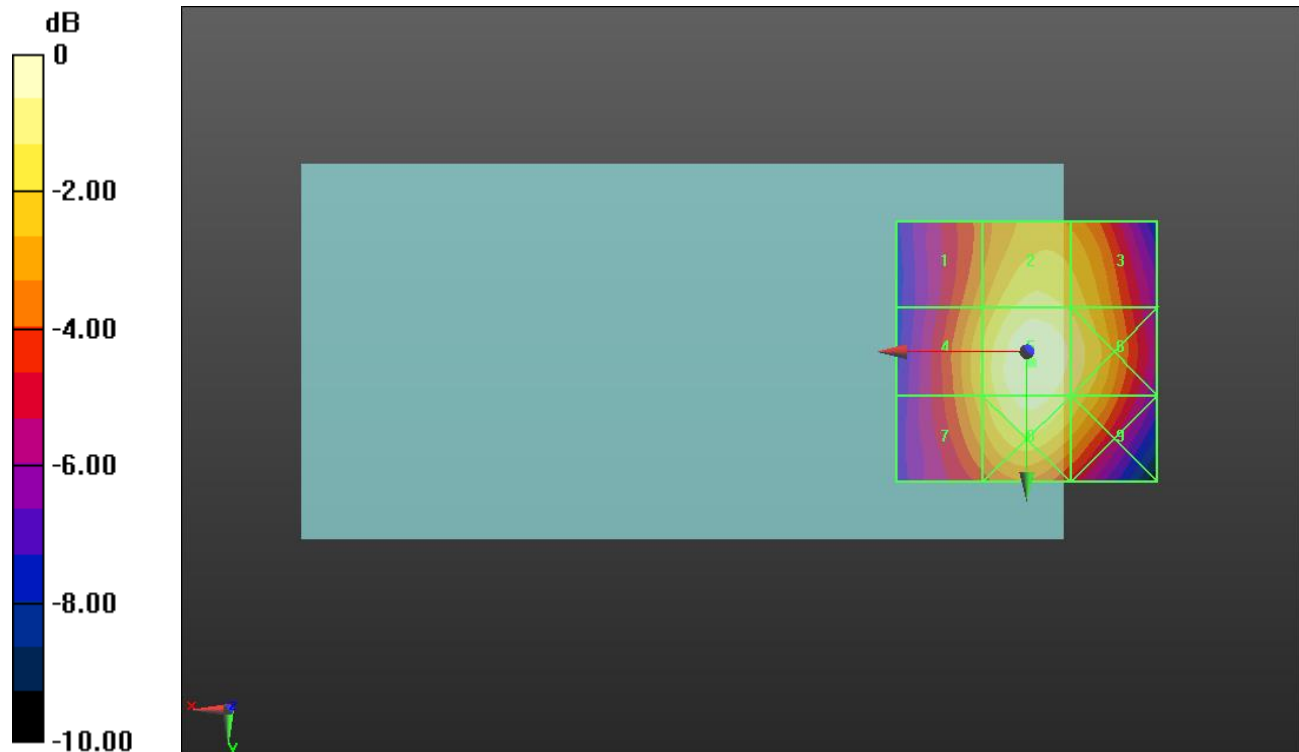
Applied MIF = 3.26 dB

RF audio interference level = 31.82 dBV/m

Emission category: **M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>29.09 dBV/m</b> | Grid 2 <b>M4</b><br><b>30.83 dBV/m</b> | Grid 3 <b>M4</b><br><b>30.38 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>29.96 dBV/m</b> | Grid 5 <b>M4</b><br><b>31.82 dBV/m</b> | Grid 6 <b>M4</b><br><b>31.04 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>29.67 dBV/m</b> | Grid 8 <b>M4</b><br><b>31.47 dBV/m</b> | Grid 9 <b>M4</b><br><b>30.48 dBV/m</b> |



0 dB = 38.99 V/m = 31.82 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 = 60.67 V/m; Power Drift = 0.00 dB

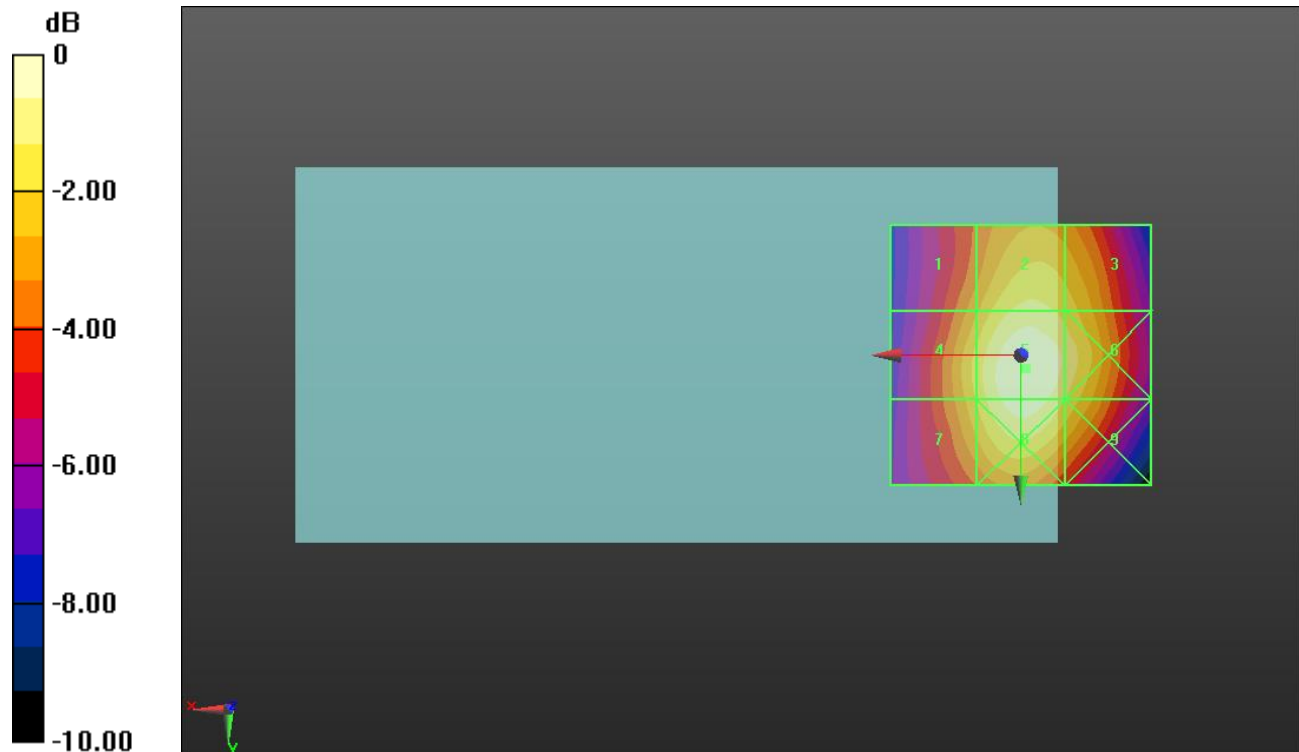
Applied MIF = 3.26 dB

RF audio interference level = 33.41 dBV/m

Emission category: **M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>30.65 dBV/m</b> | Grid 2 <b>M4</b><br><b>32.34 dBV/m</b> | Grid 3 <b>M4</b><br><b>31.85 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>31.72 dBV/m</b> | Grid 5 <b>M4</b><br><b>33.41 dBV/m</b> | Grid 6 <b>M4</b><br><b>32.61 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>31.45 dBV/m</b> | Grid 8 <b>M4</b><br><b>33.15 dBV/m</b> | Grid 9 <b>M4</b><br><b>32.07 dBV/m</b> |



0 dB = 46.84 V/m = 33.41 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 = 19.93 V/m; Power Drift = 0.02 dB

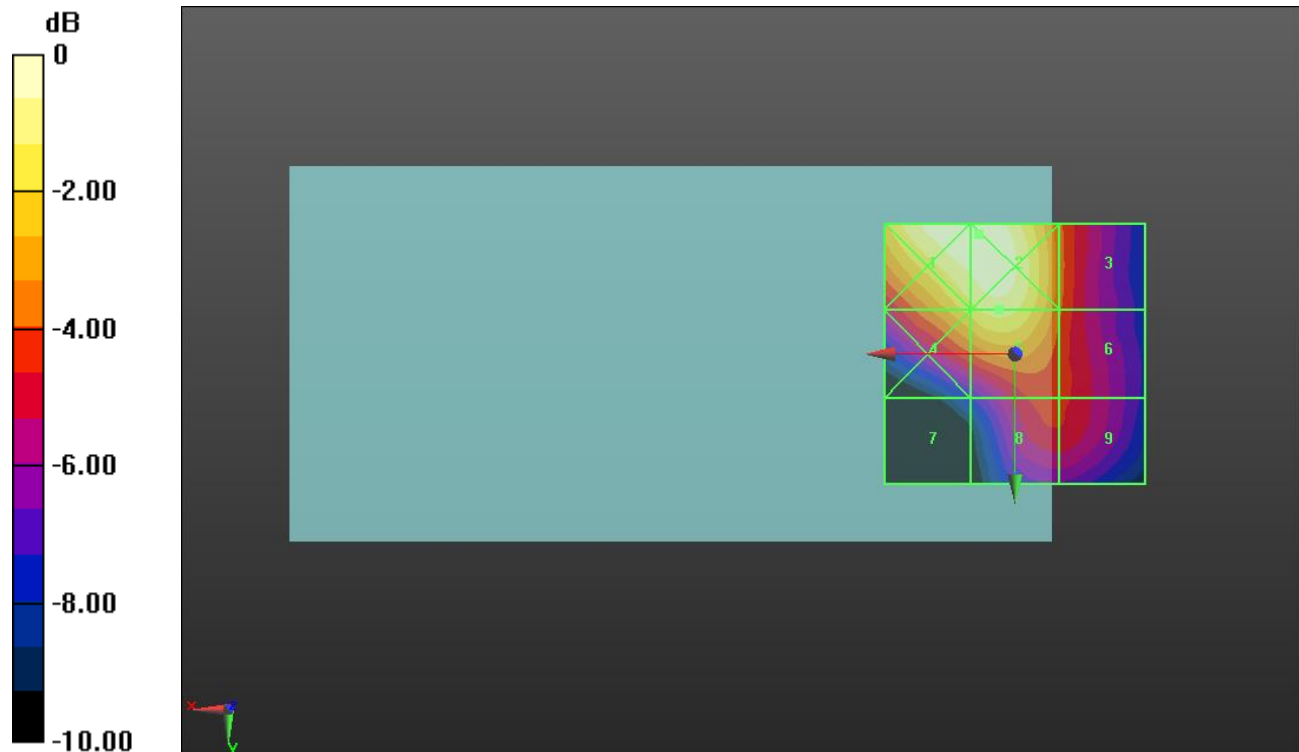
Applied MIF = 3.26 dB

RF audio interference level = 28.50 dBV/m

Emission category: **M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>29.52 dBV/m</b> | Grid 2 <b>M4</b><br><b>29.55 dBV/m</b> | Grid 3 <b>M4</b><br><b>25.93 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>27.88 dBV/m</b> | Grid 5 <b>M4</b><br><b>28.5 dBV/m</b>  | Grid 6 <b>M4</b><br><b>25.72 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>22.15 dBV/m</b> | Grid 8 <b>M4</b><br><b>25.17 dBV/m</b> | Grid 9 <b>M4</b><br><b>25.08 dBV/m</b> |



0 dB = 30.01 V/m = 29.55 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 = 19.07 V/m; Power Drift = -0.06 dB

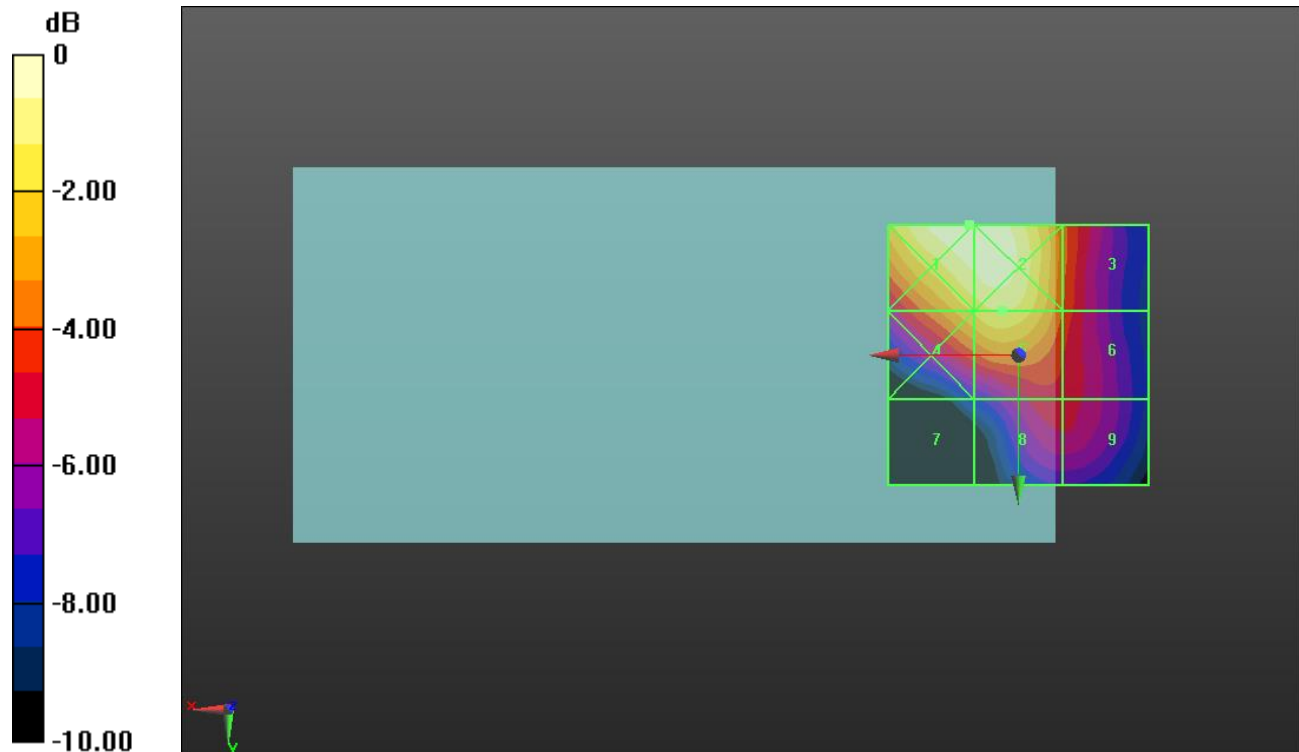
Applied MIF = 3.26 dB

RF audio interference level = 27.94 dBV/m

Emission category: **M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>29.24 dBV/m</b> | Grid 2 <b>M4</b><br><b>29.24 dBV/m</b> | Grid 3 <b>M4</b><br><b>25.59 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>27.38 dBV/m</b> | Grid 5 <b>M4</b><br><b>27.94 dBV/m</b> | Grid 6 <b>M4</b><br><b>25.24 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>21.69 dBV/m</b> | Grid 8 <b>M4</b><br><b>24.41 dBV/m</b> | Grid 9 <b>M4</b><br><b>24.29 dBV/m</b> |



0 dB = 28.98 V/m = 29.24 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 = 16.91 V/m; Power Drift = -0.06 dB

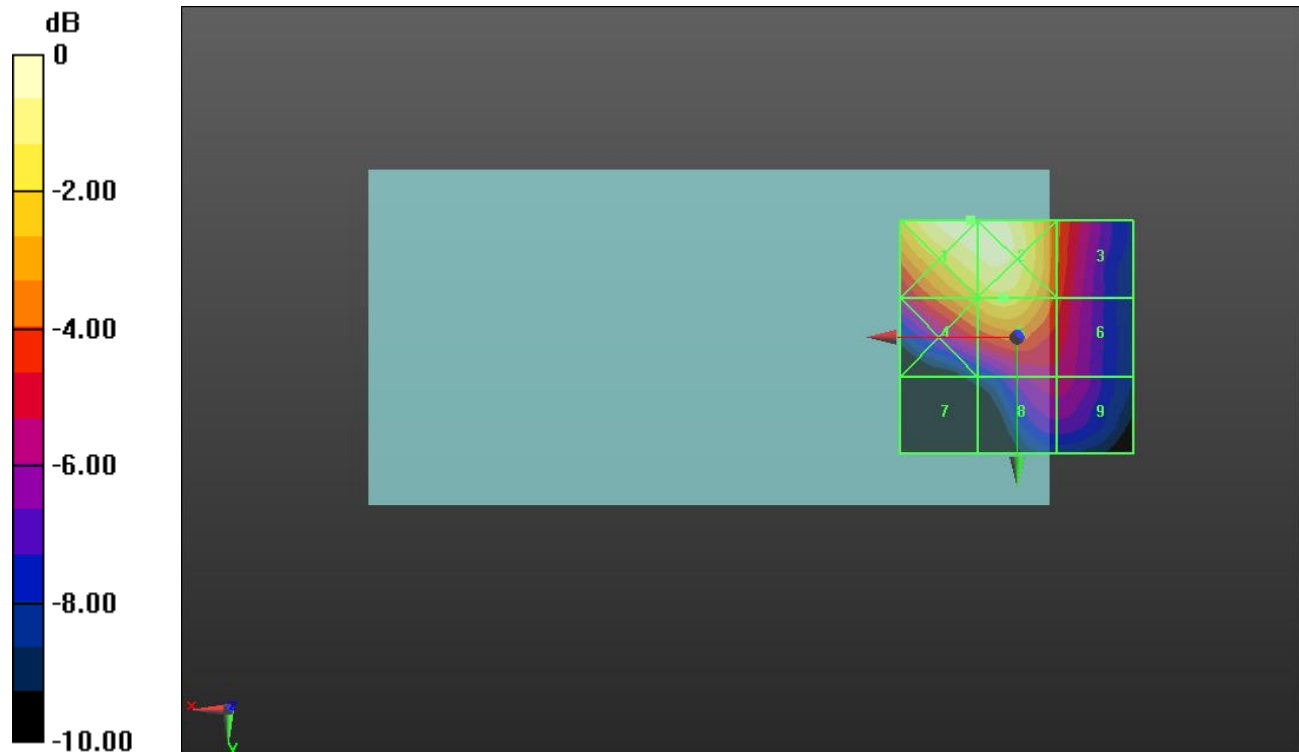
Applied MIF = 3.26 dB

RF audio interference level = 27.01 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>28.58 dBV/m</b> | Grid 2 <b>M4</b><br><b>28.54 dBV/m</b> | Grid 3 <b>M4</b><br><b>24.84 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>26.38 dBV/m</b> | Grid 5 <b>M4</b><br><b>27.01 dBV/m</b> | Grid 6 <b>M4</b><br><b>24.33 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>20.06 dBV/m</b> | Grid 8 <b>M4</b><br><b>23.02 dBV/m</b> | Grid 9 <b>M4</b><br><b>23 dBV/m</b>    |



0 dB = 26.84 V/m = 28.58 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 = 45.97 V/m; Power Drift = 0.03 dB

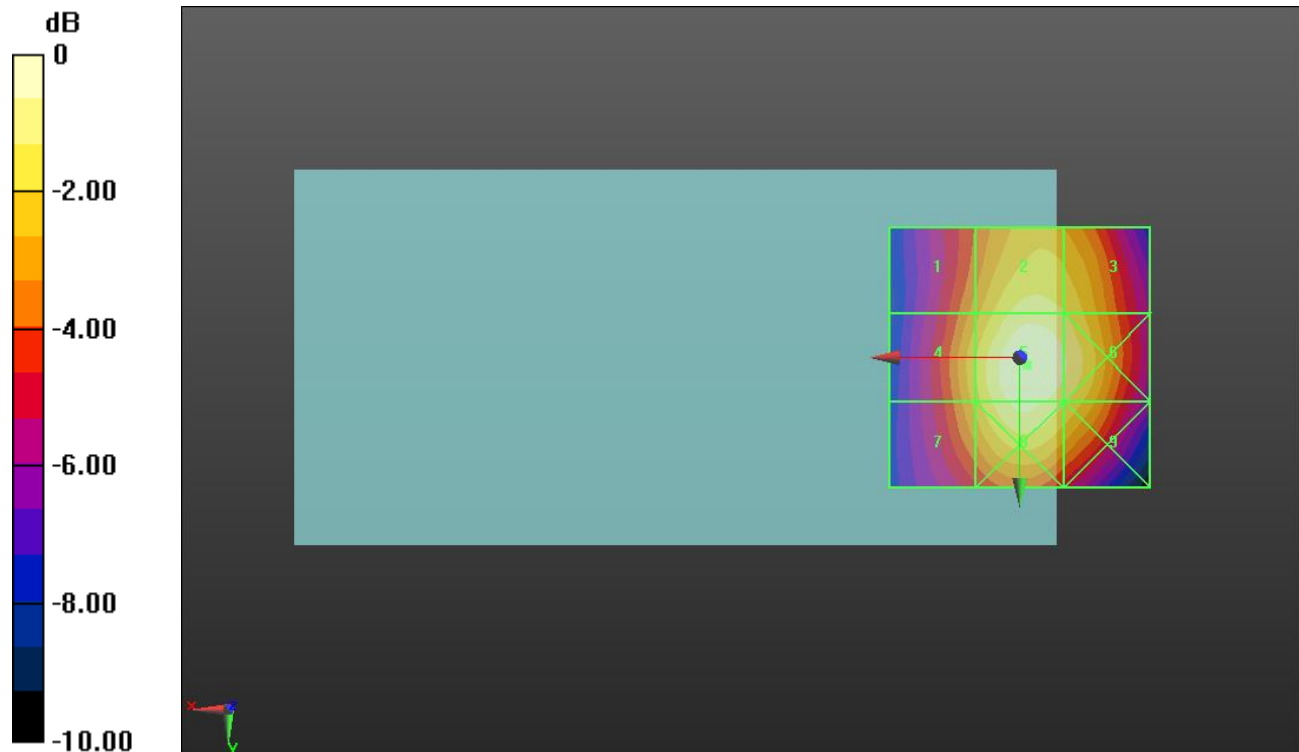
Applied MIF = 3.26 dB

RF audio interference level = 30.99 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>30.05 dBV/m</b> | Grid 3 <b>M4</b><br><b>29.69 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>29 dBV/m</b>    | Grid 5 <b>M4</b><br><b>30.99 dBV/m</b> | Grid 6 <b>M4</b><br><b>30.42 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>28.6 dBV/m</b>  | Grid 8 <b>M4</b><br><b>30.58 dBV/m</b> | Grid 9 <b>M4</b><br><b>29.78 dBV/m</b> |



0 dB = 35.45 V/m = 30.99 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 = 49.90 V/m; Power Drift = 0.01 dB

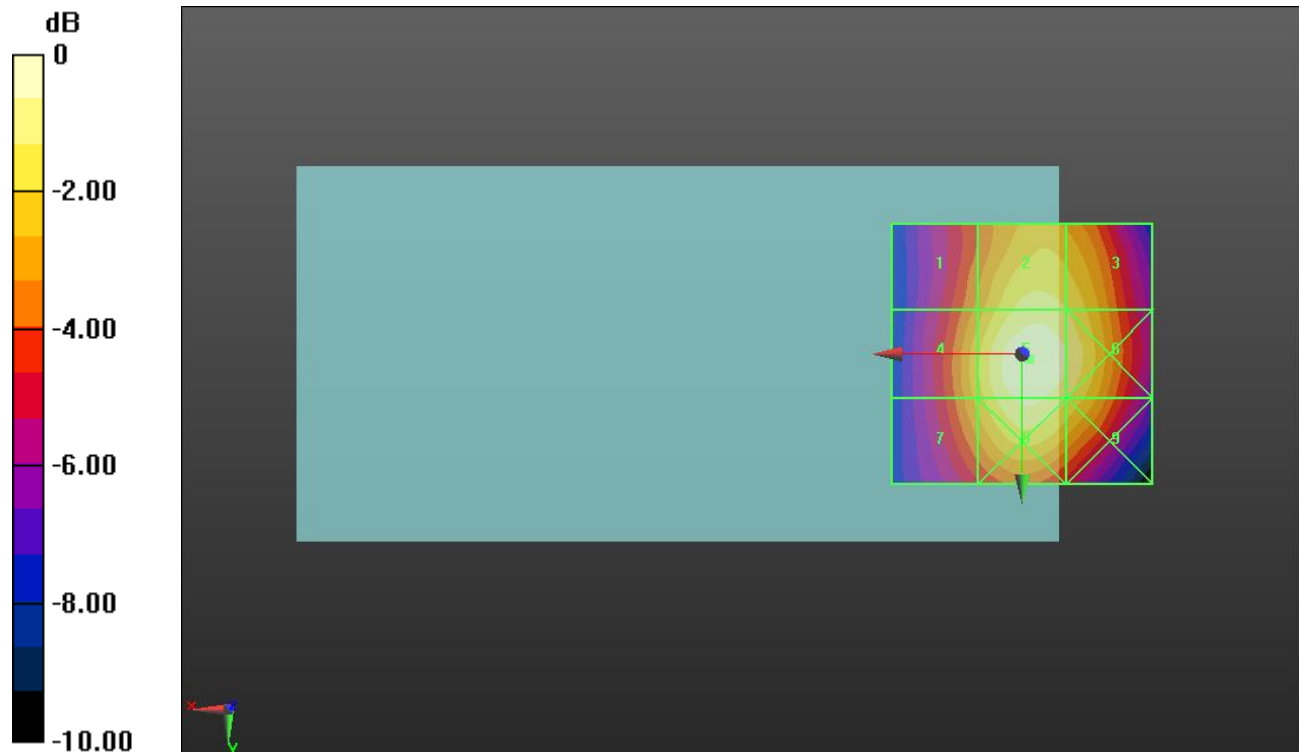
Applied MIF = 3.26 dB

RF audio interference level = 31.80 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>28.77 dBV/m</b> | Grid 2 <b>M4</b><br><b>30.84 dBV/m</b> | Grid 3 <b>M4</b><br><b>30.5 dBV/m</b>  |
| Grid 4 <b>M4</b><br><b>29.73 dBV/m</b> | Grid 5 <b>M4</b><br><b>31.8 dBV/m</b>  | Grid 6 <b>M4</b><br><b>31.17 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>29.43 dBV/m</b> | Grid 8 <b>M4</b><br><b>31.31 dBV/m</b> | Grid 9 <b>M4</b><br><b>30.54 dBV/m</b> |



0 dB = 38.92 V/m = 31.80 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 = 48.64 V/m; Power Drift = 0.04 dB

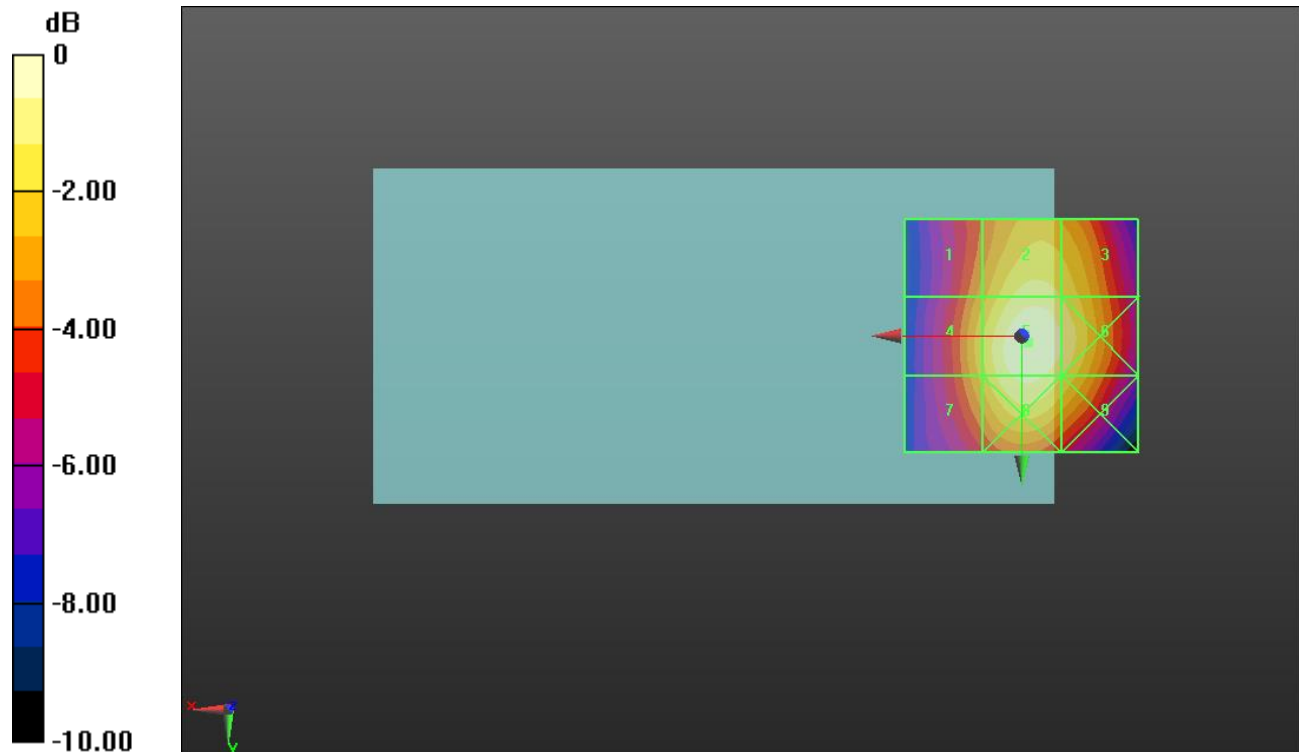
Applied MIF = 3.26 dB

RF audio interference level = 31.59 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>28.67 dBV/m</b> | Grid 2 <b>M4</b><br><b>30.67 dBV/m</b> | Grid 3 <b>M4</b><br><b>30.25 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>29.55 dBV/m</b> | Grid 5 <b>M4</b><br><b>31.59 dBV/m</b> | Grid 6 <b>M4</b><br><b>30.96 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>29.22 dBV/m</b> | Grid 8 <b>M4</b><br><b>31.13 dBV/m</b> | Grid 9 <b>M4</b><br><b>30.36 dBV/m</b> |



0 dB = 37.98 V/m = 31.59 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 = 63.58 V/m; Power Drift = -0.05 dB

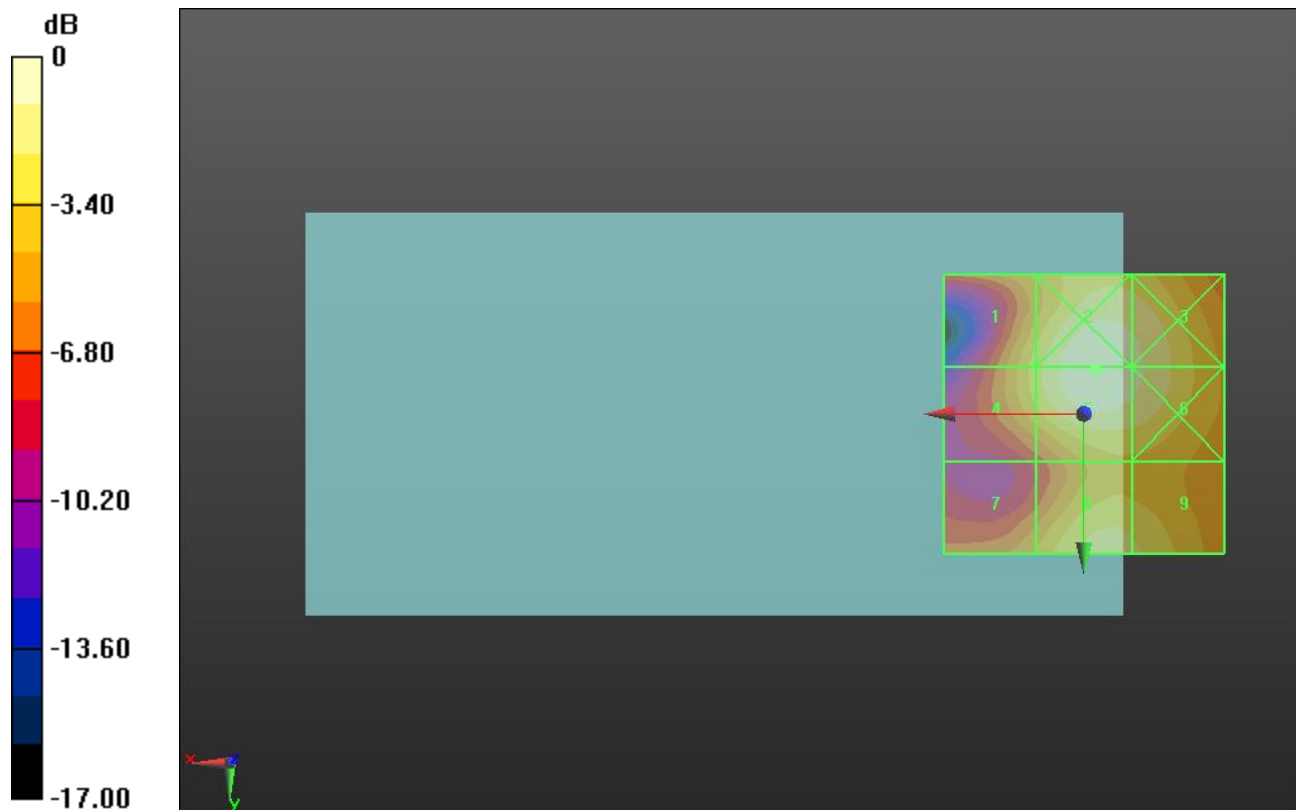
Applied MIF = -1.44 dB

RF audio interference level = 31.10 dBV/m

**Emission category: M3**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>28.33 dBV/m</b> | Grid 2 <b>M3</b><br><b>31.1 dBV/m</b>  | Grid 3 <b>M3</b><br><b>30.38 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>28.37 dBV/m</b> | Grid 5 <b>M3</b><br><b>31.1 dBV/m</b>  | Grid 6 <b>M3</b><br><b>30.38 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>26.79 dBV/m</b> | Grid 8 <b>M4</b><br><b>29.41 dBV/m</b> | Grid 9 <b>M4</b><br><b>29.14 dBV/m</b> |



0 dB = 35.91 V/m = 31.10 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 = 50.53 V/m; Power Drift = 0.04 dB

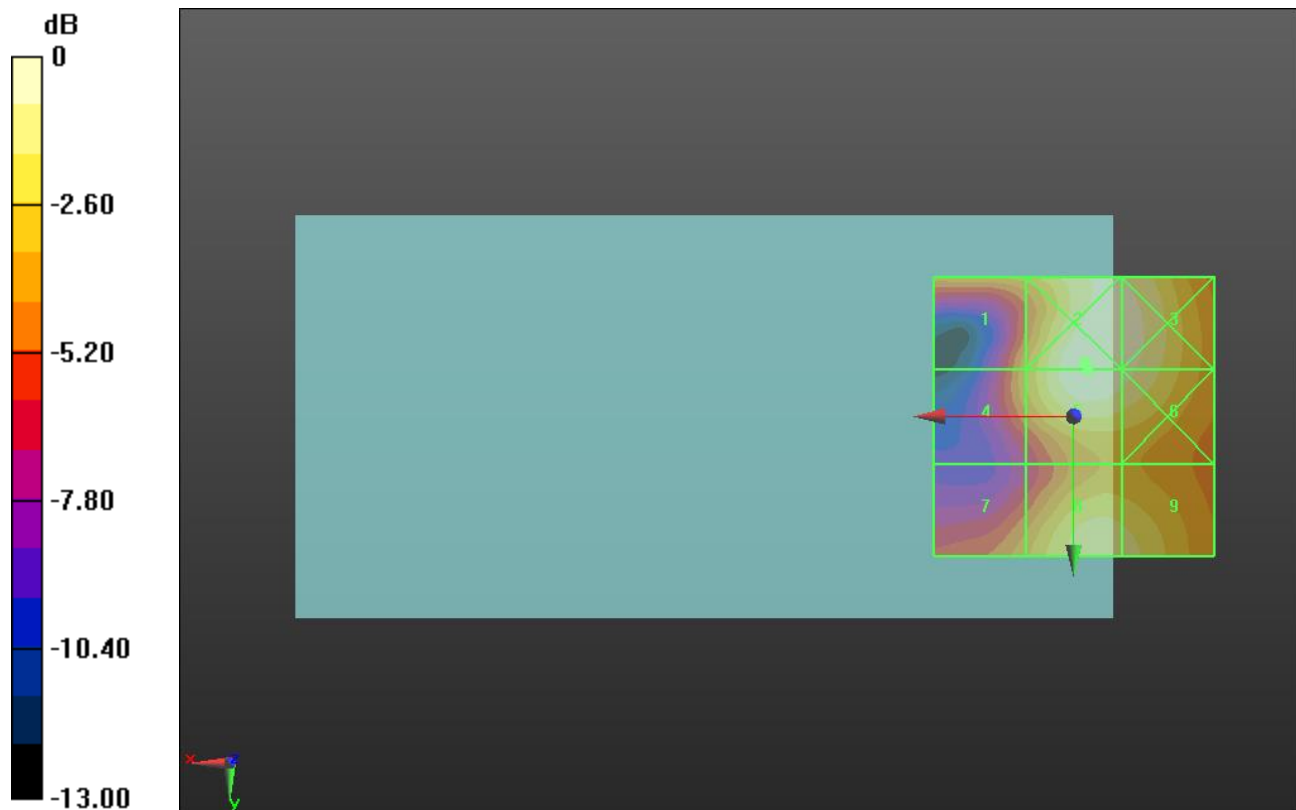
Applied MIF = -1.44 dB

RF audio interference level = 29.81 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>27.07 dBV/m</b> | Grid 2 <b>M4</b><br><b>29.83 dBV/m</b> | Grid 3 <b>M4</b><br><b>29.5 dBV/m</b>  |
| Grid 4 <b>M4</b><br><b>26.37 dBV/m</b> | Grid 5 <b>M4</b><br><b>29.81 dBV/m</b> | Grid 6 <b>M4</b><br><b>29.34 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>26.23 dBV/m</b> | Grid 8 <b>M4</b><br><b>28.82 dBV/m</b> | Grid 9 <b>M4</b><br><b>28.57 dBV/m</b> |



0 dB = 30.99 V/m = 29.82 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 = 63.19 V/m; Power Drift = 0.03 dB

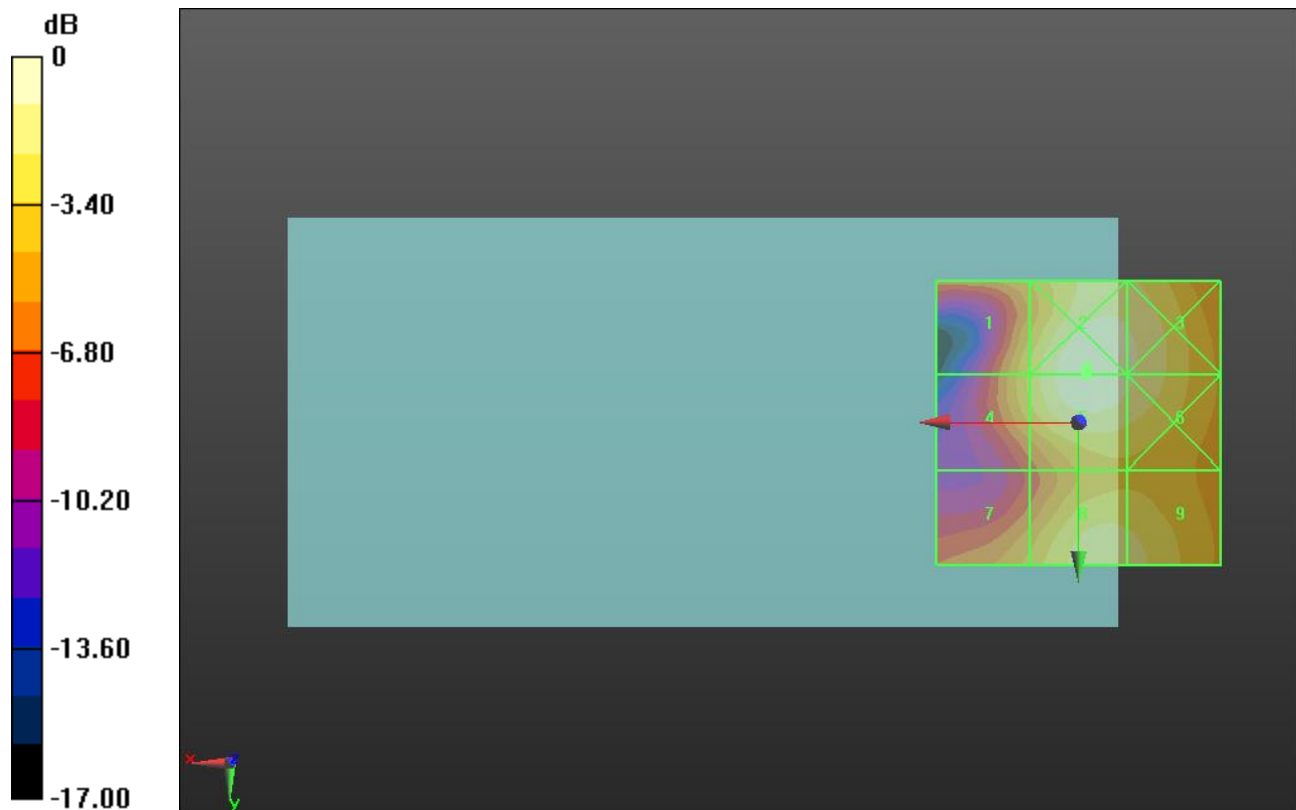
Applied MIF = -1.44 dB

RF audio interference level = 31.65 dBV/m

**Emission category: M3**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>28.61 dBV/m</b> | Grid 2 <b>M3</b><br><b>31.67 dBV/m</b> | Grid 3 <b>M3</b><br><b>30.88 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>28.63 dBV/m</b> | Grid 5 <b>M3</b><br><b>31.65 dBV/m</b> | Grid 6 <b>M3</b><br><b>30.83 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>27.57 dBV/m</b> | Grid 8 <b>M3</b><br><b>30.16 dBV/m</b> | Grid 9 <b>M4</b><br><b>29.9 dBV/m</b>  |



0 dB = 38.31 V/m = 31.67 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 = 65.07 V/m; Power Drift = -0.06 dB

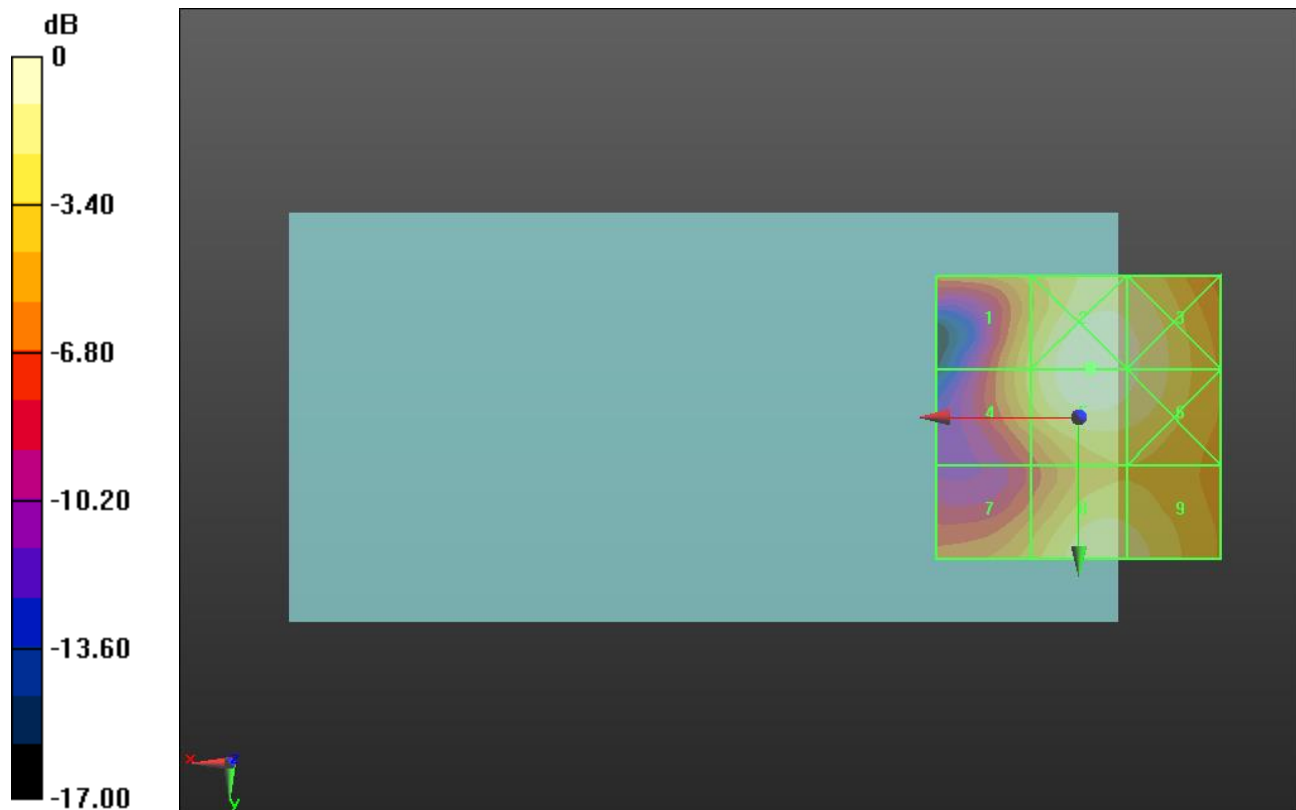
Applied MIF = -1.44 dB

RF audio interference level = 31.62 dBV/m

**Emission category: M3**

MIF scaled E-field

|                                 |                                 |                                 |
|---------------------------------|---------------------------------|---------------------------------|
| Grid 1 <b>M4</b><br>28.7 dBV/m  | Grid 2 <b>M3</b><br>31.63 dBV/m | Grid 3 <b>M3</b><br>30.93 dBV/m |
| Grid 4 <b>M4</b><br>28.72 dBV/m | Grid 5 <b>M3</b><br>31.62 dBV/m | Grid 6 <b>M3</b><br>30.91 dBV/m |
| Grid 7 <b>M4</b><br>27.71 dBV/m | Grid 8 <b>M3</b><br>30.25 dBV/m | Grid 9 <b>M3</b><br>30.01 dBV/m |



0 dB = 38.14 V/m = 31.63 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 = 63.83 V/m; Power Drift = -0.02 dB

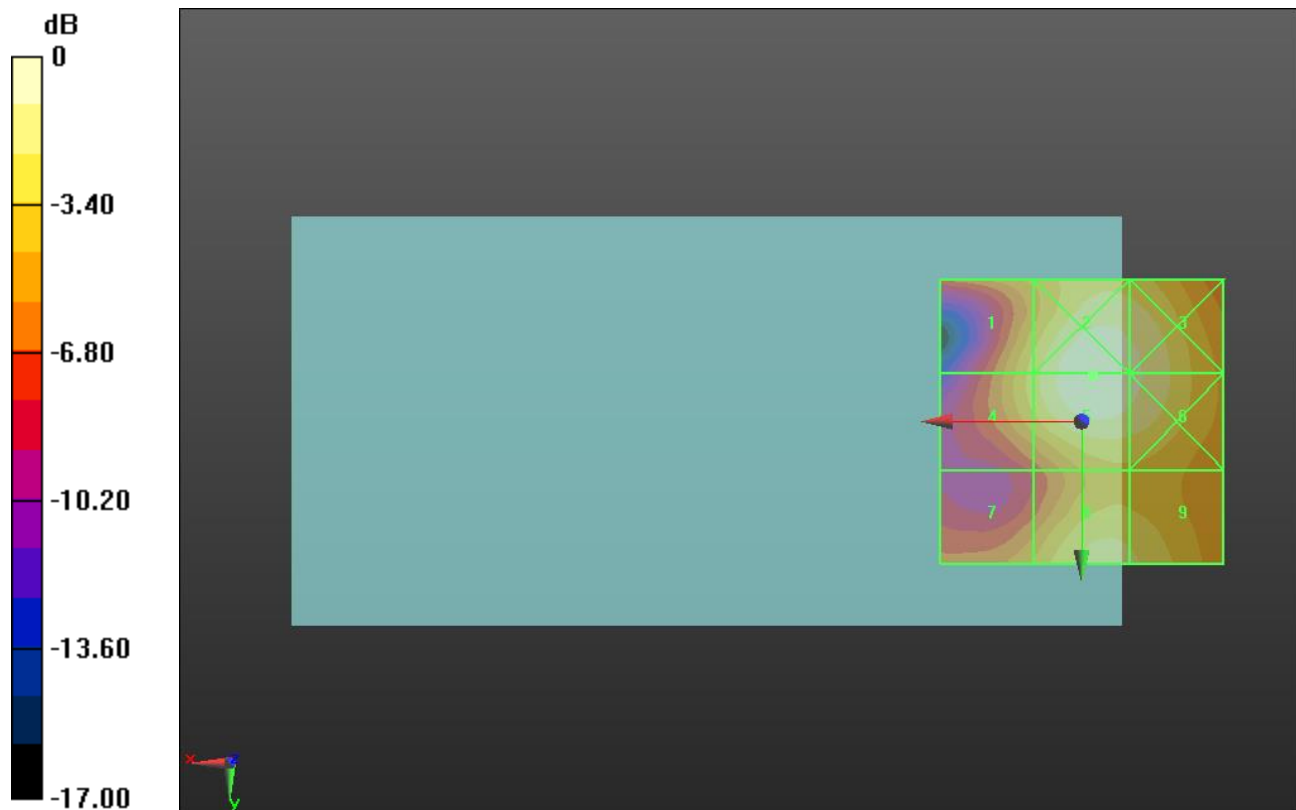
Applied MIF = -1.44 dB

RF audio interference level = 31.15 dBV/m

**Emission category: M3**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>28.35 dBV/m</b> | Grid 2 <b>M3</b><br><b>31.14 dBV/m</b> | Grid 3 <b>M3</b><br><b>30.42 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>28.4 dBV/m</b>  | Grid 5 <b>M3</b><br><b>31.15 dBV/m</b> | Grid 6 <b>M3</b><br><b>30.42 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>26.78 dBV/m</b> | Grid 8 <b>M4</b><br><b>29.43 dBV/m</b> | Grid 9 <b>M4</b><br><b>29.16 dBV/m</b> |



0 dB = 36.09 V/m = 31.15 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 = 18.15 V/m; Power Drift = -0.03 dB

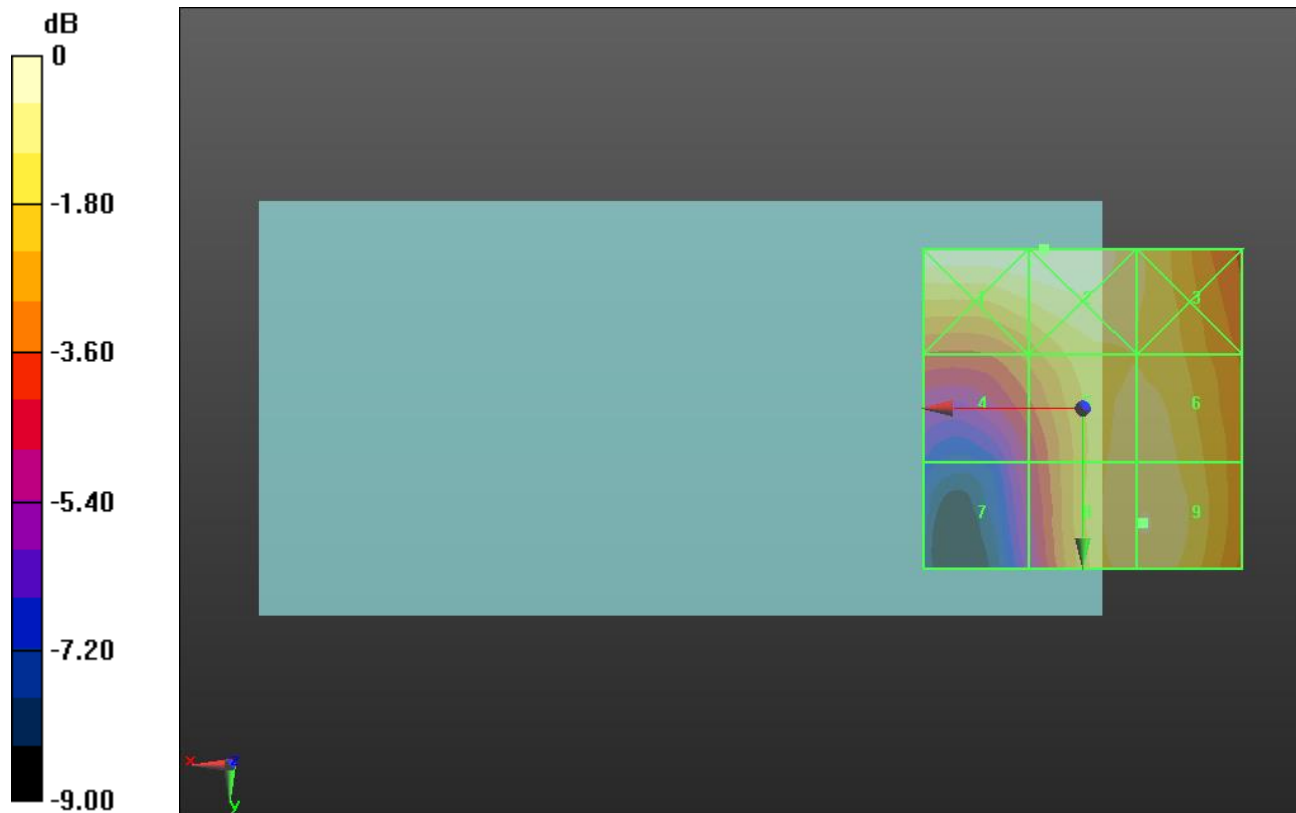
Applied MIF = 3.63 dB

RF audio interference level = 27.73 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>28.29 dBV/m</b> | Grid 2 <b>M4</b><br><b>28.31 dBV/m</b> | Grid 3 <b>M4</b><br><b>27.29 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>25.54 dBV/m</b> | Grid 5 <b>M4</b><br><b>27.53 dBV/m</b> | Grid 6 <b>M4</b><br><b>27.53 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>23.68 dBV/m</b> | Grid 8 <b>M4</b><br><b>27.71 dBV/m</b> | Grid 9 <b>M4</b><br><b>27.73 dBV/m</b> |



0 dB = 26.03 V/m = 28.31 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 = 18.82 V/m; Power Drift = -0.05 dB

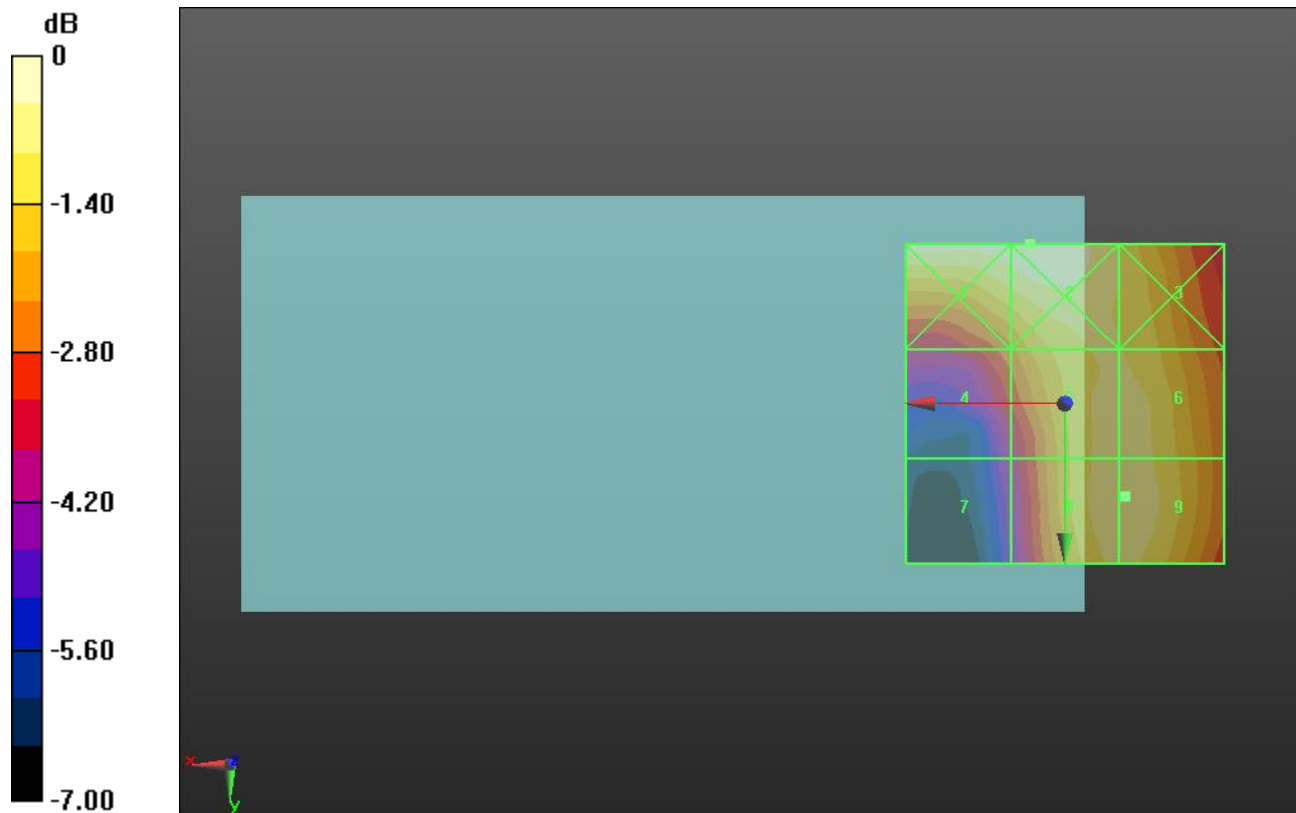
Applied MIF = 3.63 dB

RF audio interference level = 27.66 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>28.1 dBV/m</b>  | Grid 2 <b>M4</b><br><b>28.21 dBV/m</b> | Grid 3 <b>M4</b><br><b>27.3 dBV/m</b>  |
| Grid 4 <b>M4</b><br><b>25.79 dBV/m</b> | Grid 5 <b>M4</b><br><b>27.55 dBV/m</b> | Grid 6 <b>M4</b><br><b>27.56 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>24.22 dBV/m</b> | Grid 8 <b>M4</b><br><b>27.65 dBV/m</b> | Grid 9 <b>M4</b><br><b>27.66 dBV/m</b> |



0 dB = 25.74 V/m = 28.21 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 = 18.77 V/m; Power Drift = -0.06 dB

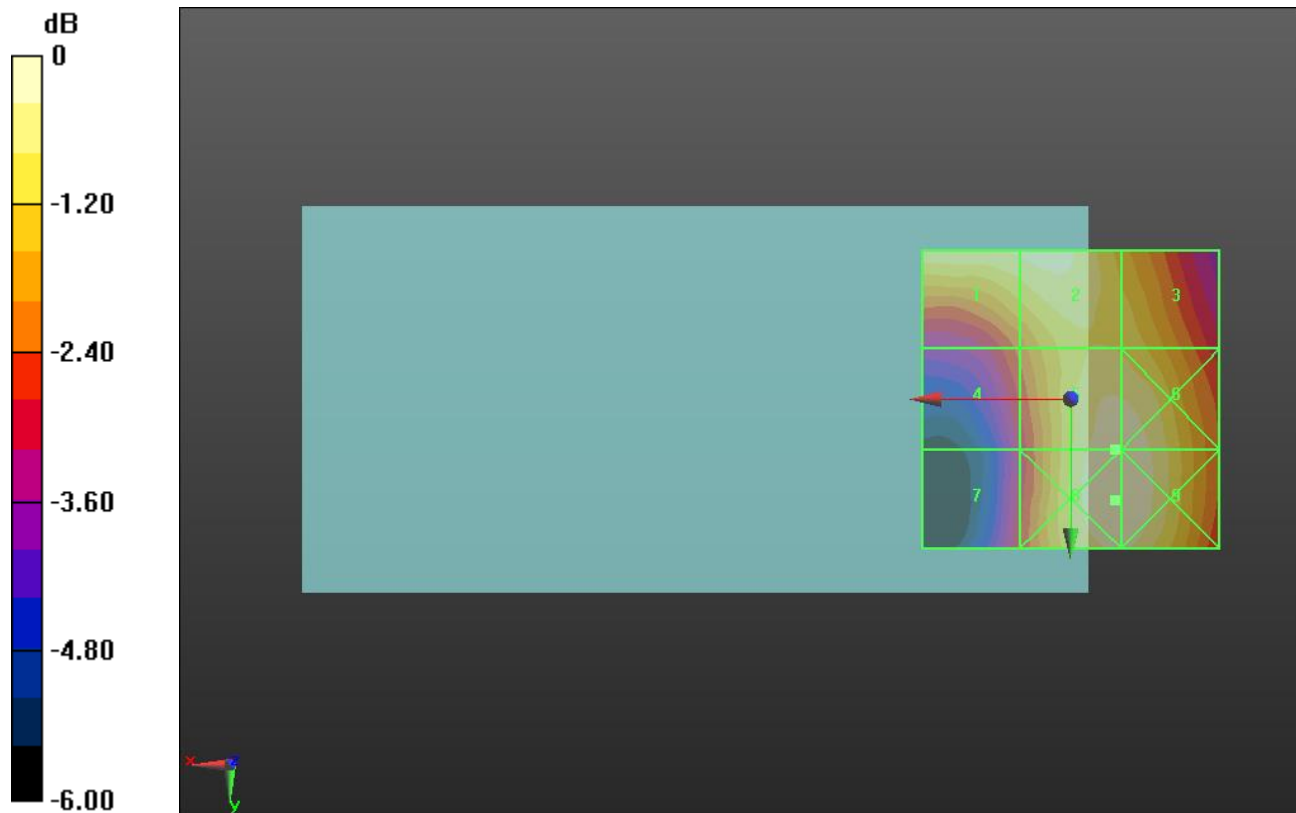
Applied MIF = 3.63 dB

RF audio interference level = 27.56 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                 |                                 |                                 |
|---------------------------------|---------------------------------|---------------------------------|
| Grid 1 <b>M4</b><br>27.37 dBV/m | Grid 2 <b>M4</b><br>27.51 dBV/m | Grid 3 <b>M4</b><br>26.83 dBV/m |
| Grid 4 <b>M4</b><br>25.45 dBV/m | Grid 5 <b>M4</b><br>27.56 dBV/m | Grid 6 <b>M4</b><br>27.55 dBV/m |
| Grid 7 <b>M4</b><br>24.87 dBV/m | Grid 8 <b>M4</b><br>27.68 dBV/m | Grid 9 <b>M4</b><br>27.67 dBV/m |



0 dB = 24.20 V/m = 27.68 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 = 16.39 V/m; Power Drift = -0.06 dB

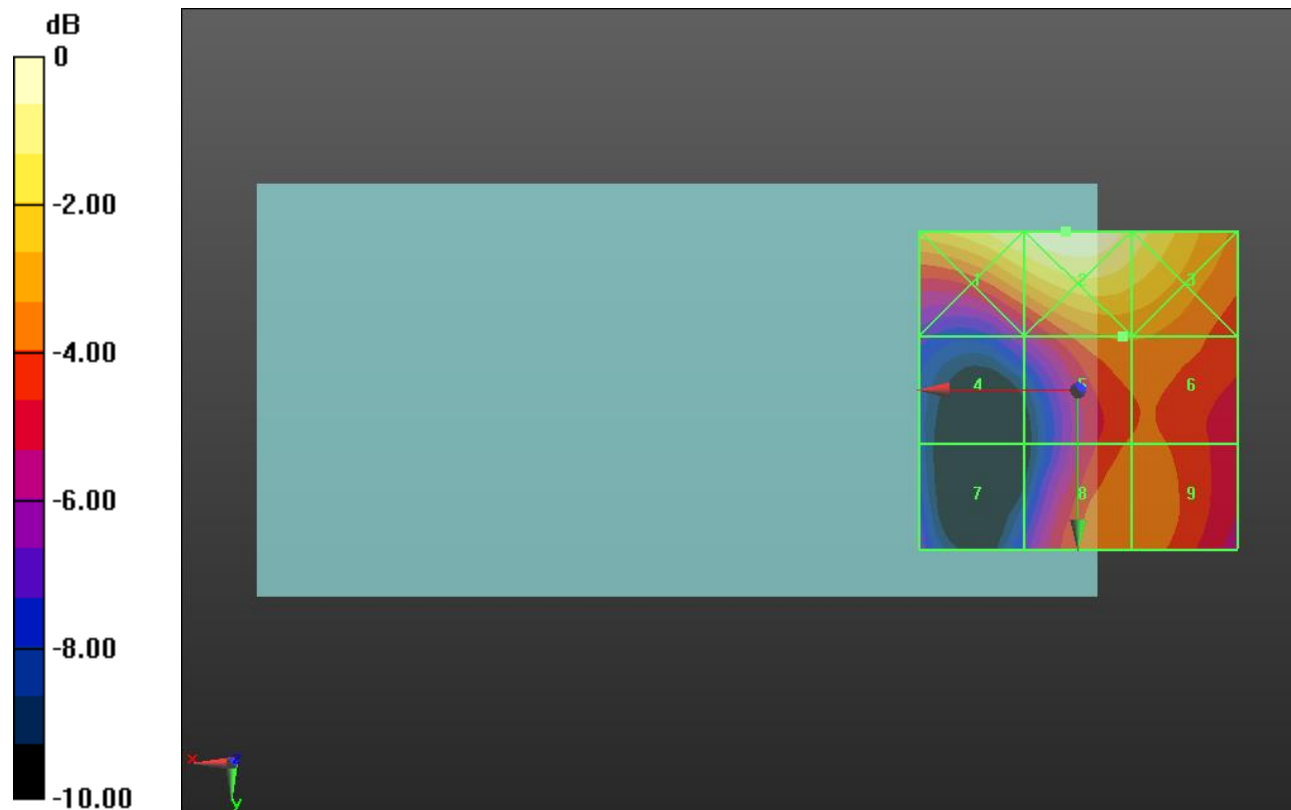
Applied MIF = -1.44 dB

RF audio interference level = 22.61 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>25.37 dBV/m</b> | Grid 2 <b>M4</b><br><b>25.83 dBV/m</b> | Grid 3 <b>M4</b><br><b>24.91 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>19.92 dBV/m</b> | Grid 5 <b>M4</b><br><b>22.61 dBV/m</b> | Grid 6 <b>M4</b><br><b>22.59 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>19.4 dBV/m</b>  | Grid 8 <b>M4</b><br><b>22.48 dBV/m</b> | Grid 9 <b>M4</b><br><b>22.43 dBV/m</b> |



0 dB = 19.56 V/m = 25.83 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 = 16.09 V/m; Power Drift = 0.11 dB

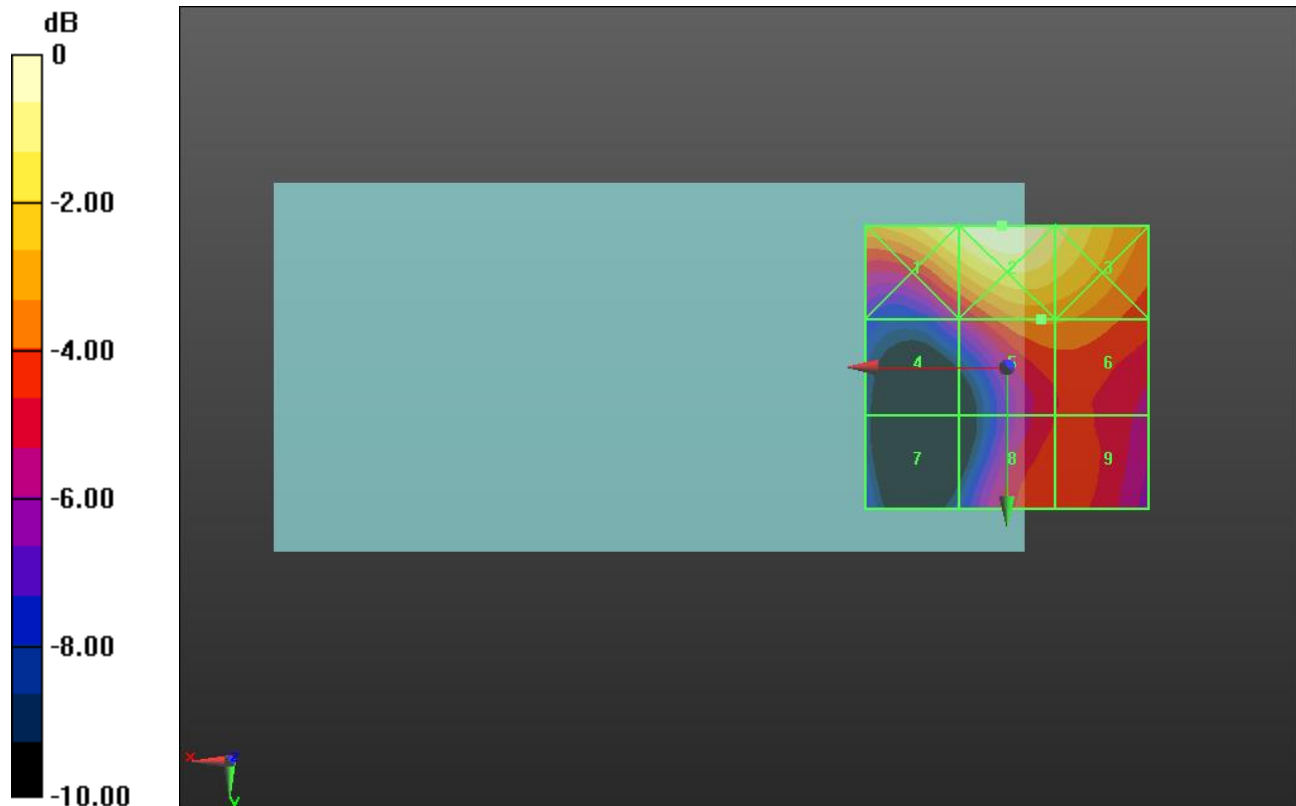
Applied MIF = -1.44 dB

RF audio interference level = 23.16 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>25.68 dBV/m</b> | Grid 2 <b>M4</b><br><b>26.29 dBV/m</b> | Grid 3 <b>M4</b><br><b>25.34 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>20.57 dBV/m</b> | Grid 5 <b>M4</b><br><b>23.16 dBV/m</b> | Grid 6 <b>M4</b><br><b>23.1 dBV/m</b>  |
| Grid 7 <b>M4</b><br><b>19.12 dBV/m</b> | Grid 8 <b>M4</b><br><b>22.06 dBV/m</b> | Grid 9 <b>M4</b><br><b>22.05 dBV/m</b> |



0 dB = 20.63 V/m = 26.29 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 = 18.15 V/m; Power Drift = -0.04 dB

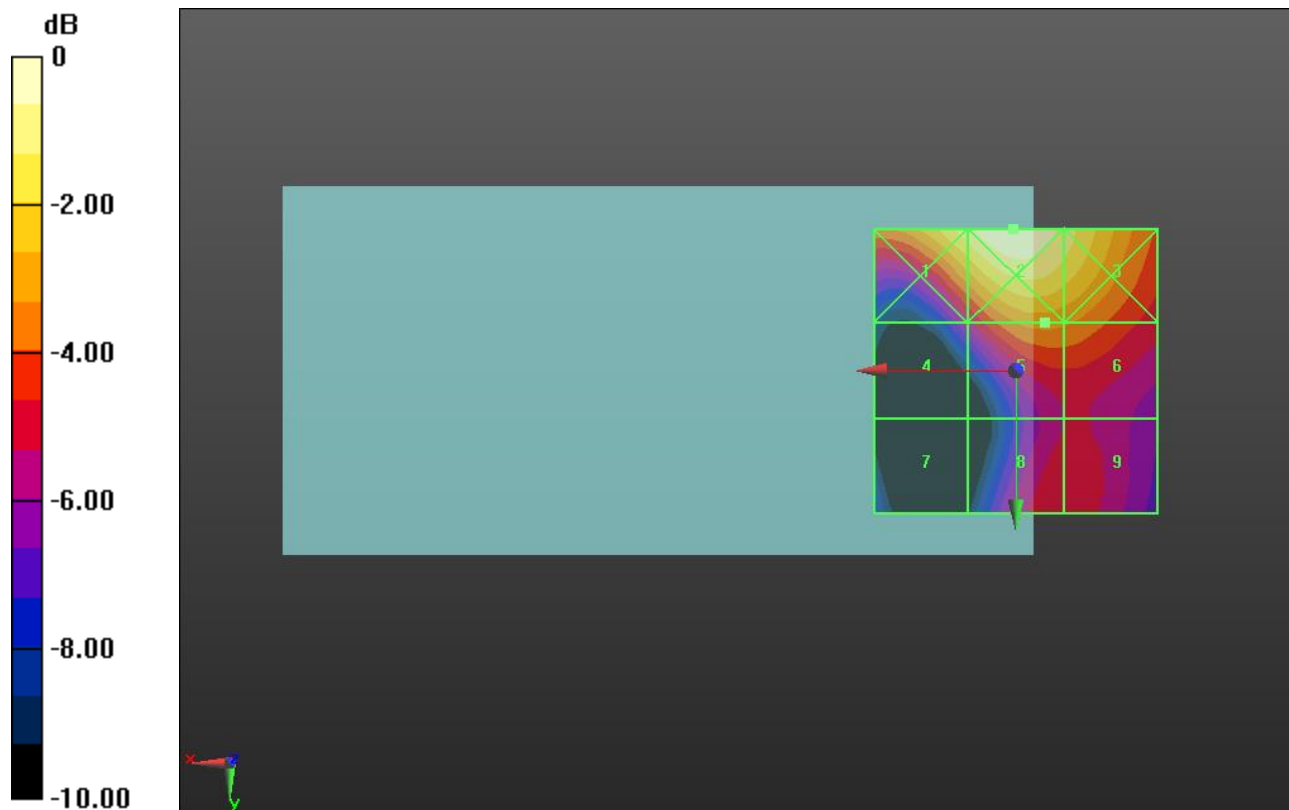
Applied MIF = -1.44 dB

RF audio interference level = 24.03 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>26.22 dBV/m</b> | Grid 2 <b>M4</b><br><b>27.06 dBV/m</b> | Grid 3 <b>M4</b><br><b>26.11 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>21.36 dBV/m</b> | Grid 5 <b>M4</b><br><b>24.03 dBV/m</b> | Grid 6 <b>M4</b><br><b>23.86 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>19.59 dBV/m</b> | Grid 8 <b>M4</b><br><b>22.15 dBV/m</b> | Grid 9 <b>M4</b><br><b>22.15 dBV/m</b> |



0 dB = 22.55 V/m = 27.06 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 = 17.97 V/m; Power Drift = -0.02 dB

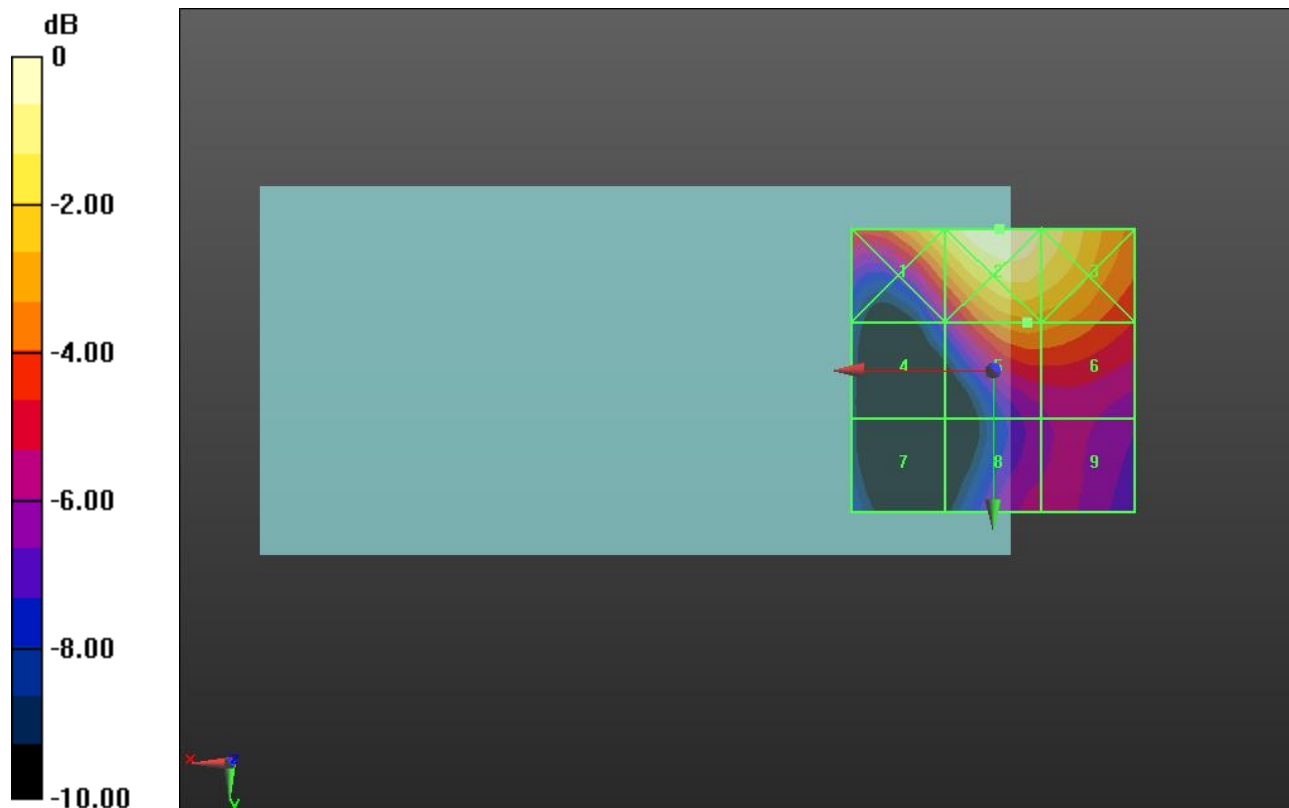
Applied MIF = -1.44 dB

RF audio interference level = 24.66 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>26.31 dBV/m</b> | Grid 2 <b>M4</b><br><b>27.52 dBV/m</b> | Grid 3 <b>M4</b><br><b>26.84 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>21.04 dBV/m</b> | Grid 5 <b>M4</b><br><b>24.67 dBV/m</b> | Grid 6 <b>M4</b><br><b>24.52 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>19.8 dBV/m</b>  | Grid 8 <b>M4</b><br><b>21.73 dBV/m</b> | Grid 9 <b>M4</b><br><b>21.74 dBV/m</b> |



0 dB = 23.77 V/m = 27.52 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 = 18.63 V/m; Power Drift = -0.00 dB

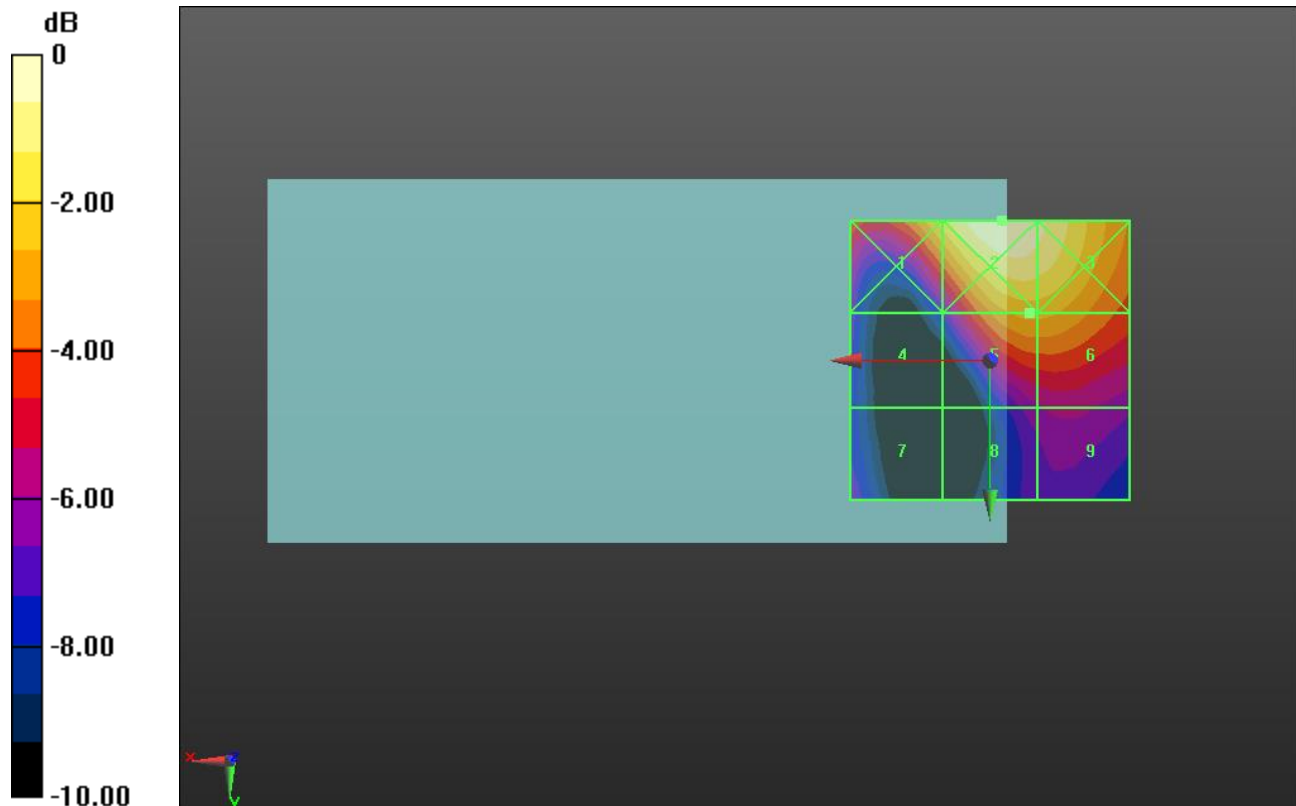
Applied MIF = -1.44 dB

RF audio interference level = 25.12 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                 |                                 |                                 |
|---------------------------------|---------------------------------|---------------------------------|
| Grid 1 <b>M4</b><br>25.89 dBV/m | Grid 2 <b>M4</b><br>27.54 dBV/m | Grid 3 <b>M4</b><br>27.06 dBV/m |
| Grid 4 <b>M4</b><br>20.92 dBV/m | Grid 5 <b>M4</b><br>25.12 dBV/m | Grid 6 <b>M4</b><br>25.09 dBV/m |
| Grid 7 <b>M4</b><br>20.98 dBV/m | Grid 8 <b>M4</b><br>21.46 dBV/m | Grid 9 <b>M4</b><br>21.79 dBV/m |



0 dB = 23.82 V/m = 27.54 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 = 16.22 V/m; Power Drift = -0.05 dB

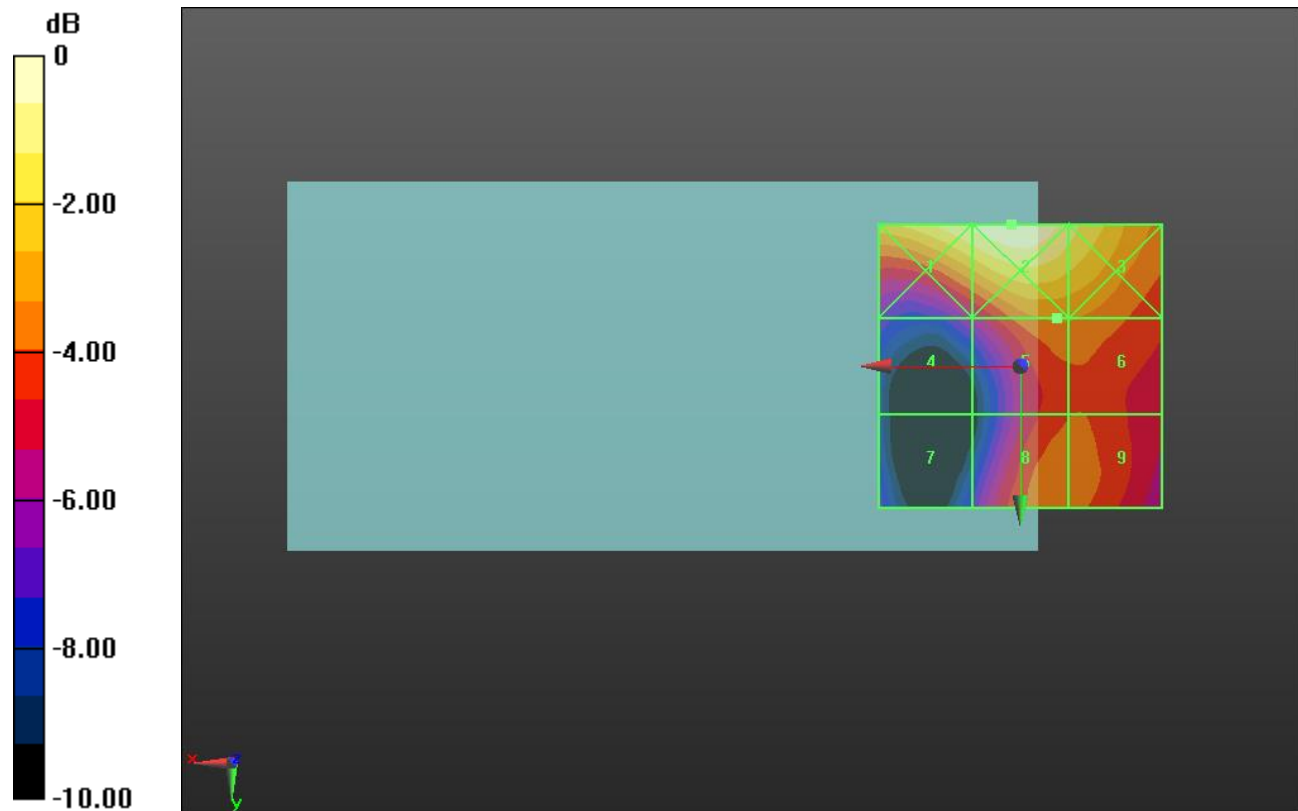
Applied MIF = -1.44 dB

RF audio interference level = 22.49 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| <b>Grid 1 M4</b><br><b>25.24 dBV/m</b> | <b>Grid 2 M4</b><br><b>25.71 dBV/m</b> | <b>Grid 3 M4</b><br><b>24.71 dBV/m</b> |
| <b>Grid 4 M4</b><br><b>19.92 dBV/m</b> | <b>Grid 5 M4</b><br><b>22.49 dBV/m</b> | <b>Grid 6 M4</b><br><b>22.45 dBV/m</b> |
| <b>Grid 7 M4</b><br><b>19.13 dBV/m</b> | <b>Grid 8 M4</b><br><b>22.15 dBV/m</b> | <b>Grid 9 M4</b><br><b>22.12 dBV/m</b> |



0 dB = 19.29 V/m = 25.71 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 = 16.56 V/m; Power Drift = -0.09 dB

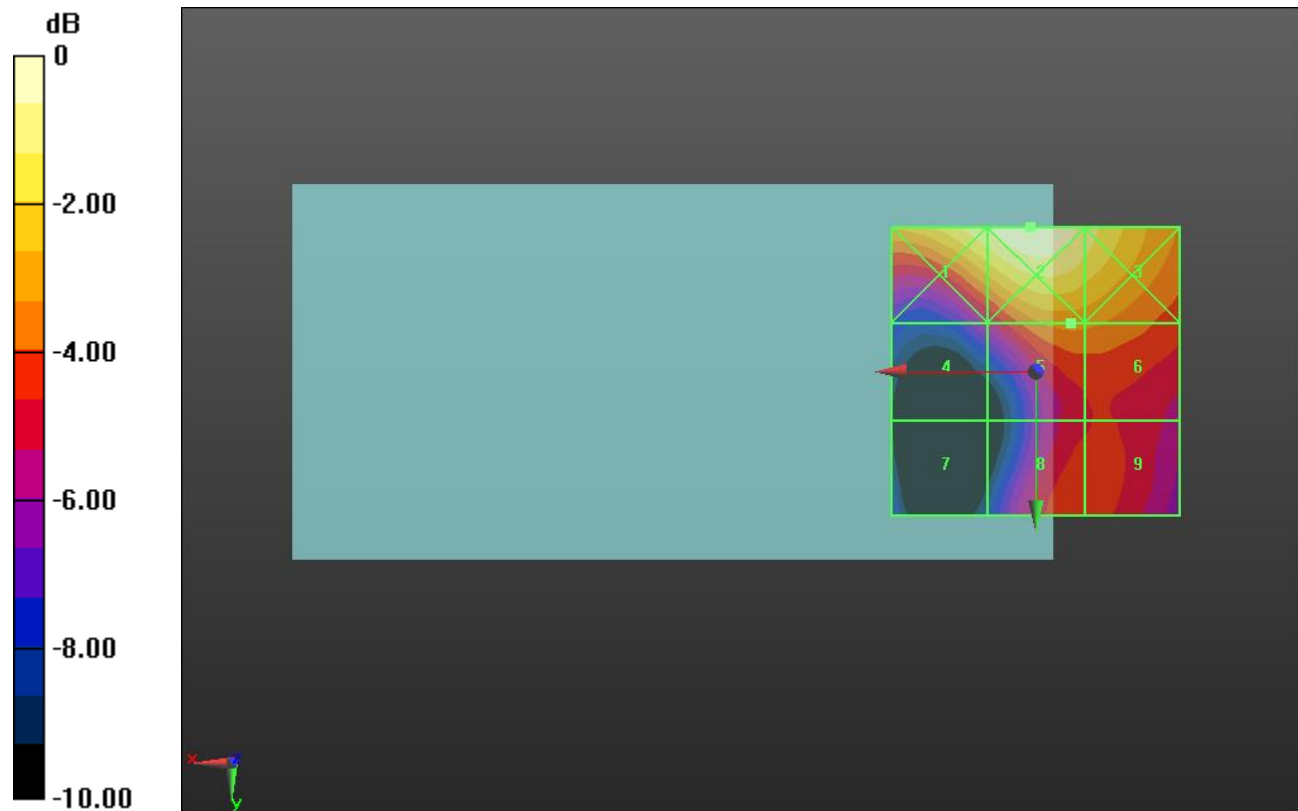
Applied MIF = -1.44 dB

RF audio interference level = 23.20 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>25.65 dBV/m</b> | Grid 2 <b>M4</b><br><b>26.26 dBV/m</b> | Grid 3 <b>M4</b><br><b>25.32 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>20.61 dBV/m</b> | Grid 5 <b>M4</b><br><b>23.2 dBV/m</b>  | Grid 6 <b>M4</b><br><b>23.13 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>18.79 dBV/m</b> | Grid 8 <b>M4</b><br><b>22 dBV/m</b>    | Grid 9 <b>M4</b><br><b>21.99 dBV/m</b> |



0 dB = 20.56 V/m = 26.26 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 = 17.93 V/m; Power Drift = 0.08 dB

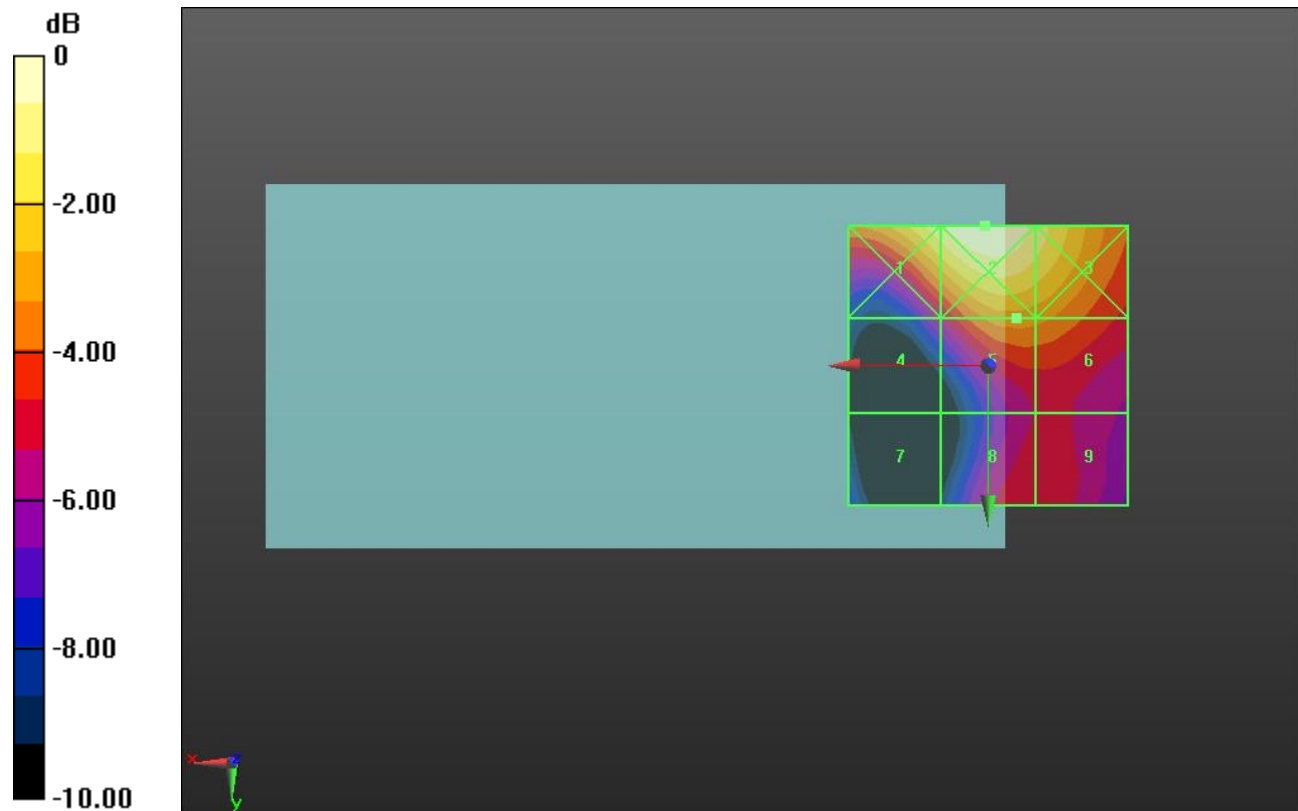
Applied MIF = -1.44 dB

RF audio interference level = 24.00 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>26.16 dBV/m</b> | Grid 2 <b>M4</b><br><b>26.94 dBV/m</b> | Grid 3 <b>M4</b><br><b>26.01 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>21.4 dBV/m</b>  | Grid 5 <b>M4</b><br><b>24 dBV/m</b>    | Grid 6 <b>M4</b><br><b>23.85 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>19.79 dBV/m</b> | Grid 8 <b>M4</b><br><b>22.08 dBV/m</b> | Grid 9 <b>M4</b><br><b>22.08 dBV/m</b> |



0 dB = 22.23 V/m = 26.94 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 = 18.15 V/m; Power Drift = 0.02 dB

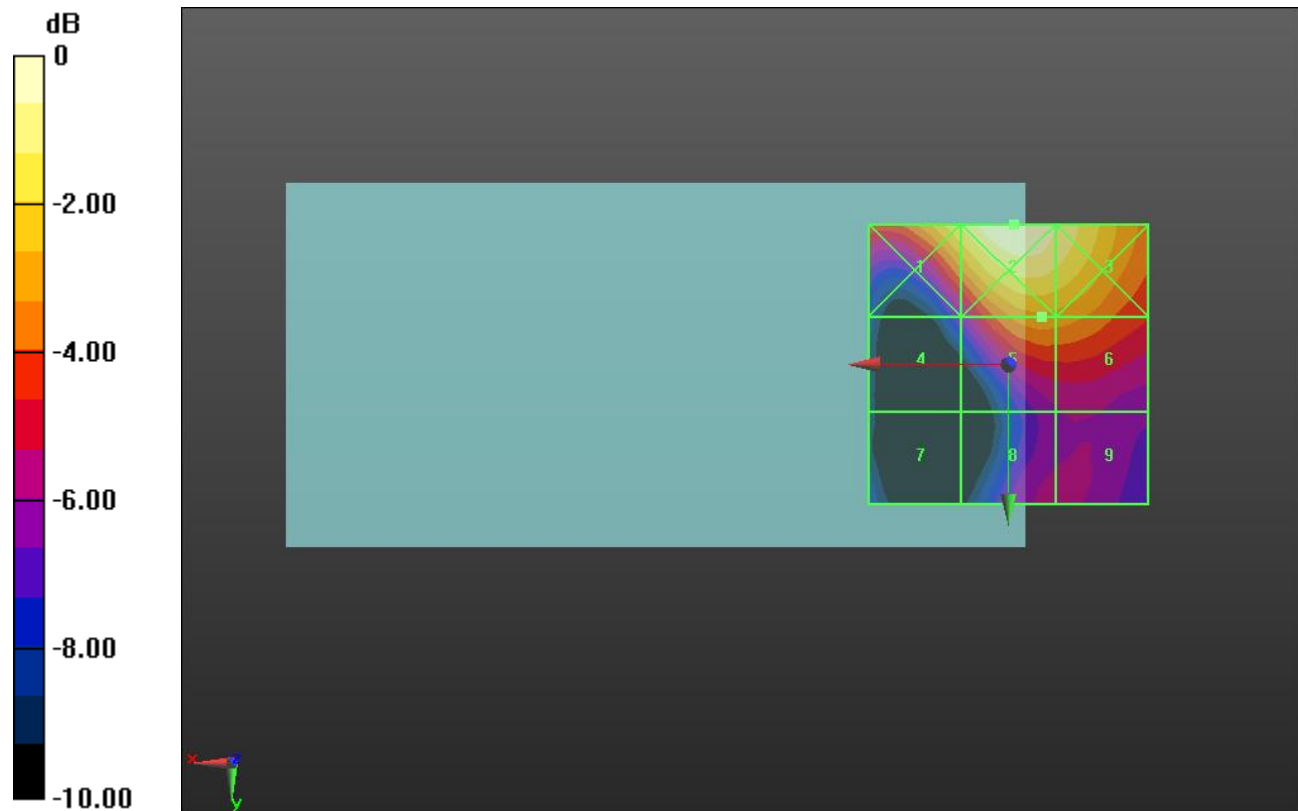
Applied MIF = -1.44 dB

RF audio interference level = 24.66 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| <b>Grid 1 M4</b><br><b>26.26 dBV/m</b> | <b>Grid 2 M4</b><br><b>27.48 dBV/m</b> | <b>Grid 3 M4</b><br><b>26.81 dBV/m</b> |
| <b>Grid 4 M4</b><br><b>21.01 dBV/m</b> | <b>Grid 5 M4</b><br><b>24.66 dBV/m</b> | <b>Grid 6 M4</b><br><b>24.56 dBV/m</b> |
| <b>Grid 7 M4</b><br><b>19.65 dBV/m</b> | <b>Grid 8 M4</b><br><b>21.69 dBV/m</b> | <b>Grid 9 M4</b><br><b>21.69 dBV/m</b> |



0 dB = 23.66 V/m = 27.48 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 = 18.97 V/m; Power Drift = -0.10 dB

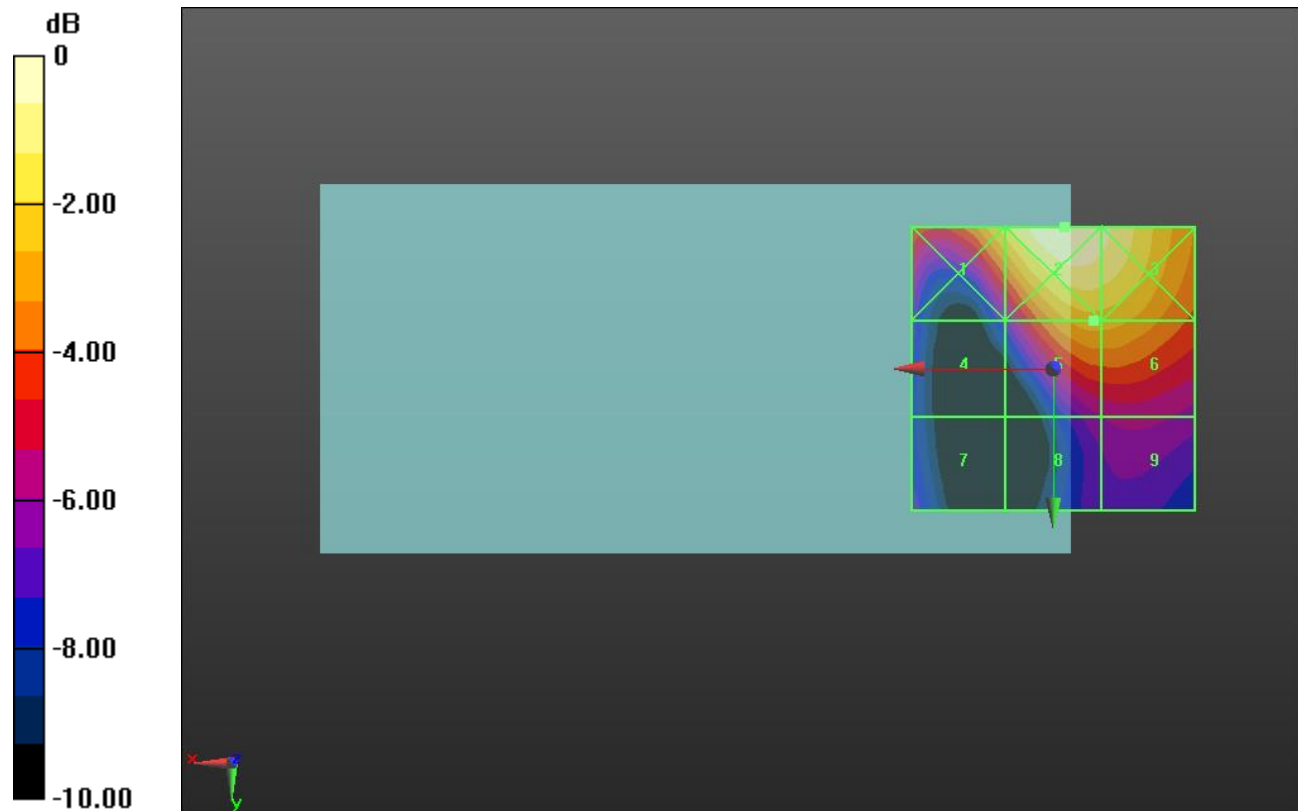
Applied MIF = -1.44 dB

RF audio interference level = 25.15 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| <b>Grid 1 M4</b><br><b>25.84 dBV/m</b> | <b>Grid 2 M4</b><br><b>27.42 dBV/m</b> | <b>Grid 3 M4</b><br><b>26.98 dBV/m</b> |
| <b>Grid 4 M4</b><br><b>20.83 dBV/m</b> | <b>Grid 5 M4</b><br><b>25.15 dBV/m</b> | <b>Grid 6 M4</b><br><b>25.1 dBV/m</b>  |
| <b>Grid 7 M4</b><br><b>20.75 dBV/m</b> | <b>Grid 8 M4</b><br><b>21.44 dBV/m</b> | <b>Grid 9 M4</b><br><b>21.72 dBV/m</b> |



0 dB = 23.51 V/m = 27.43 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 = 11.31 V/m; Power Drift = -0.04 dB

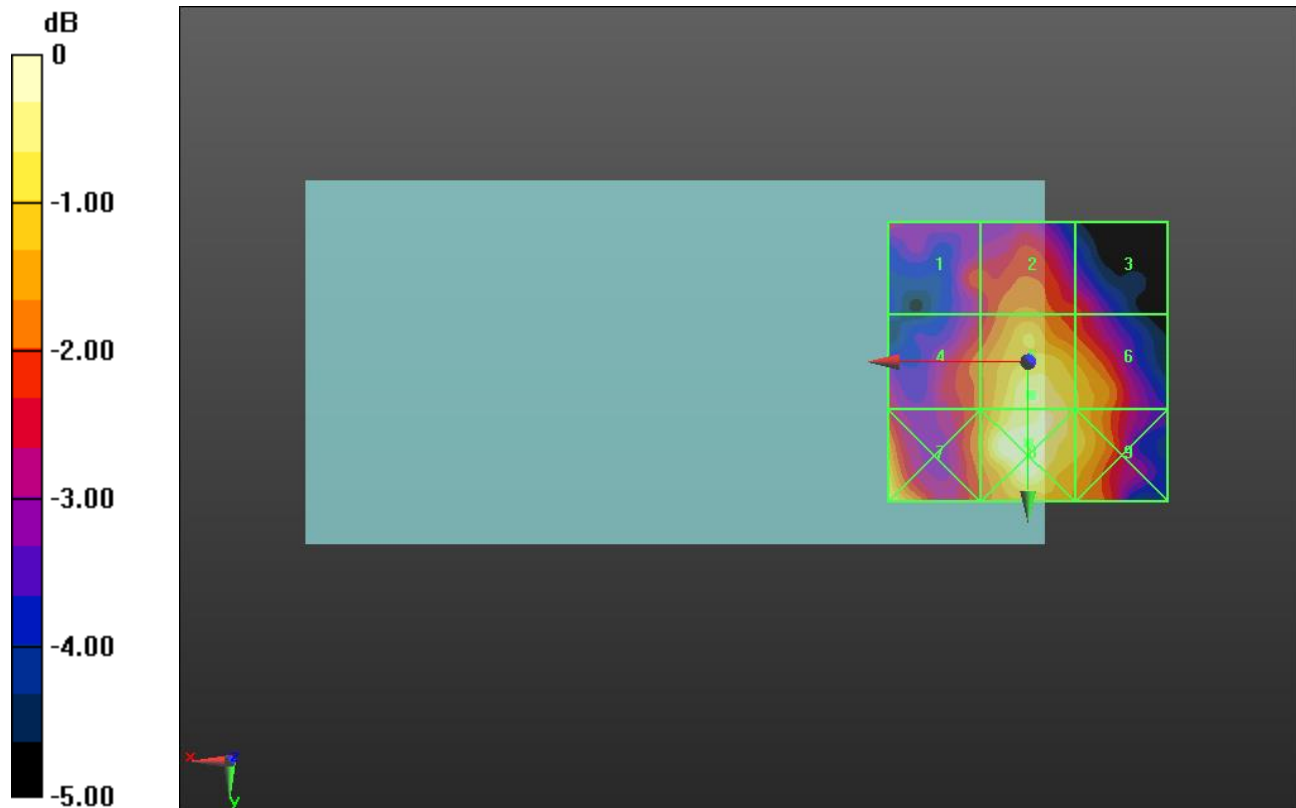
Applied MIF = -2.02 dB

RF audio interference level = 16.97 dBV/m

Emission category: **M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>15.22 dBV/m</b> | Grid 2 <b>M4</b><br><b>15.73 dBV/m</b> | Grid 3 <b>M4</b><br><b>15.06 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>15.55 dBV/m</b> | Grid 5 <b>M4</b><br><b>16.97 dBV/m</b> | Grid 6 <b>M4</b><br><b>16.35 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>16.94 dBV/m</b> | Grid 8 <b>M4</b><br><b>17.26 dBV/m</b> | Grid 9 <b>M4</b><br><b>16.48 dBV/m</b> |



0 dB = 7.294 V/m = 17.26 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 = 9.052 V/m; Power Drift = -0.40 dB

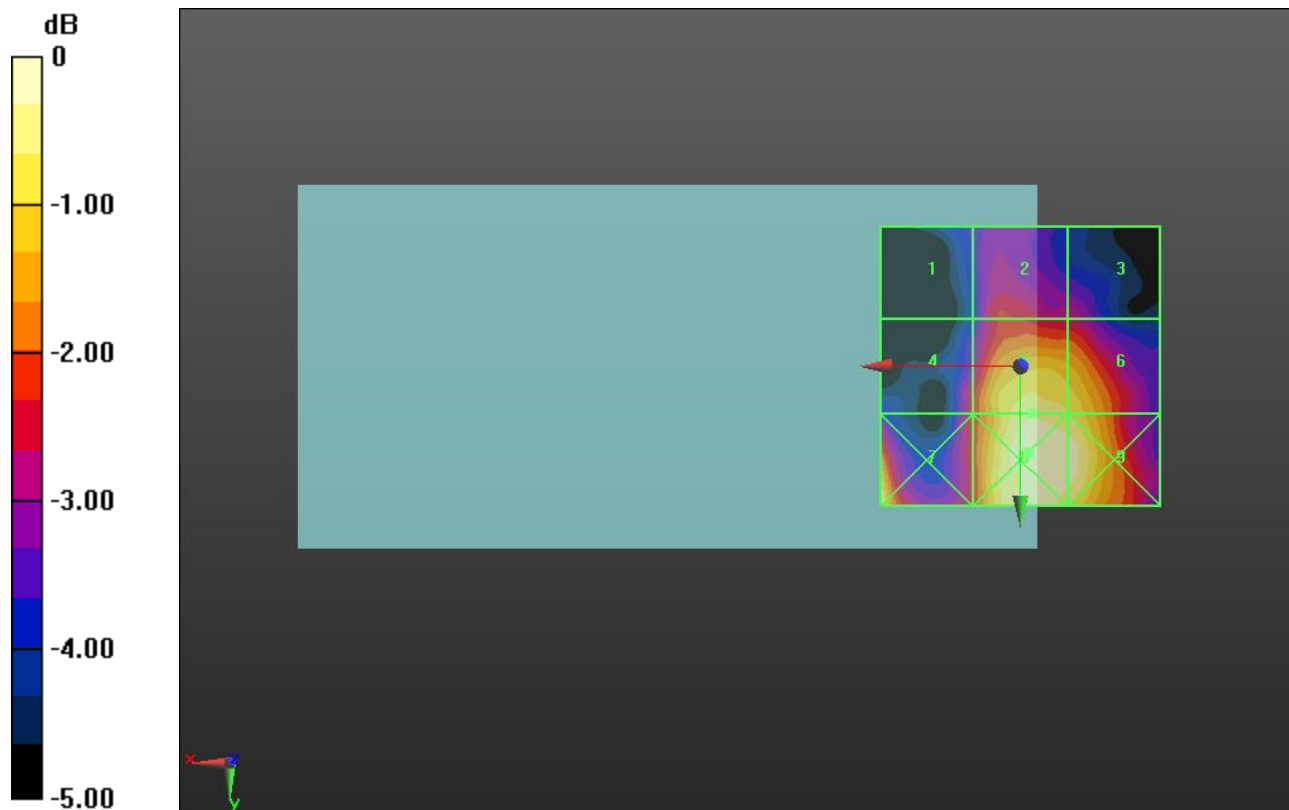
Applied MIF = -2.02 dB

RF audio interference level = 15.20 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>12.11 dBV/m</b> | Grid 2 <b>M4</b><br><b>13.35 dBV/m</b> | Grid 3 <b>M4</b><br><b>12.88 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>13.2 dBV/m</b>  | Grid 5 <b>M4</b><br><b>15.2 dBV/m</b>  | Grid 6 <b>M4</b><br><b>14.96 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>15.41 dBV/m</b> | Grid 8 <b>M4</b><br><b>15.58 dBV/m</b> | Grid 9 <b>M4</b><br><b>15.46 dBV/m</b> |



0 dB = 6.015 V/m = 15.58 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 = 10.01 V/m; Power Drift = -0.06 dB

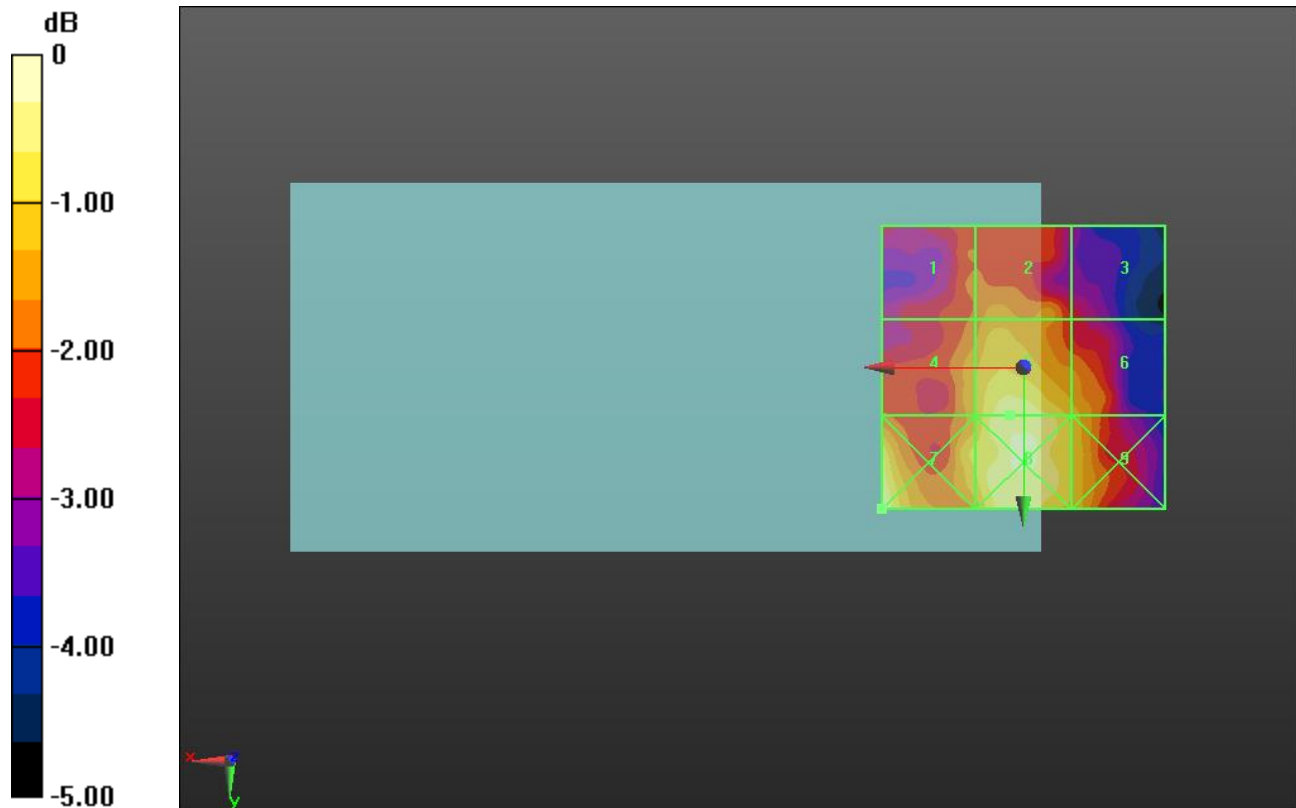
Applied MIF = -2.02 dB

RF audio interference level = 16.55 dBV/m

Emission category: **M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>15.13 dBV/m</b> | Grid 2 <b>M4</b><br><b>15.54 dBV/m</b> | Grid 3 <b>M4</b><br><b>14.67 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>15.71 dBV/m</b> | Grid 5 <b>M4</b><br><b>16.55 dBV/m</b> | Grid 6 <b>M4</b><br><b>15.88 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>16.99 dBV/m</b> | Grid 8 <b>M4</b><br><b>16.86 dBV/m</b> | Grid 9 <b>M4</b><br><b>16 dBV/m</b>    |



0 dB = 7.074 V/m = 16.99 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 = 10.11 V/m; Power Drift = 0.12 dB

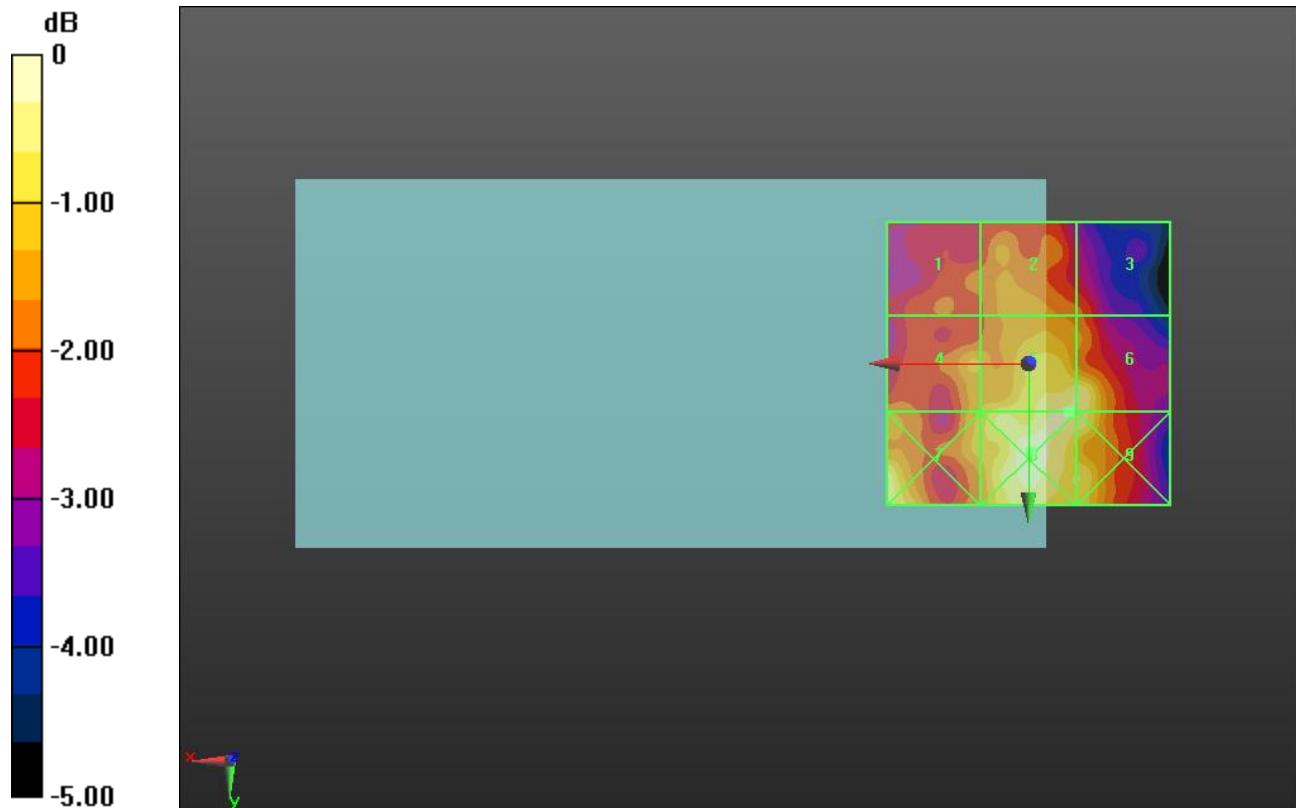
Applied MIF = 0.12 dB

RF audio interference level = 18.81 dBV/m

Emission category: **M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>17.25 dBV/m</b> | Grid 2 <b>M4</b><br><b>17.65 dBV/m</b> | Grid 3 <b>M4</b><br><b>17.26 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>17.87 dBV/m</b> | Grid 5 <b>M4</b><br><b>18.81 dBV/m</b> | Grid 6 <b>M4</b><br><b>18.78 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>18.9 dBV/m</b>  | Grid 8 <b>M4</b><br><b>19.1 dBV/m</b>  | Grid 9 <b>M4</b><br><b>18.76 dBV/m</b> |



0 dB = 9.015 V/m = 19.10 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 = 10.03 V/m; Power Drift = -0.11 dB

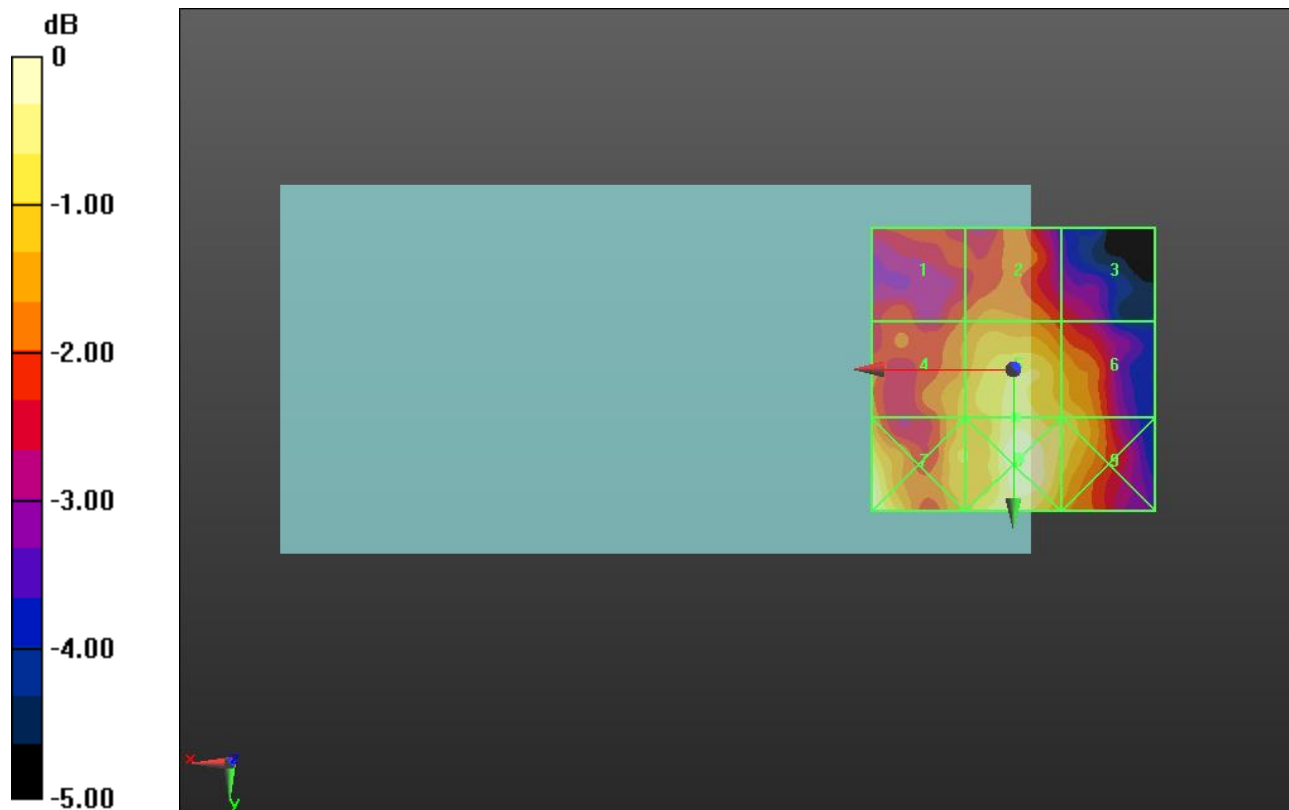
Applied MIF = 0.12 dB

RF audio interference level = 18.03 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>16.58 dBV/m</b> | Grid 2 <b>M4</b><br><b>16.99 dBV/m</b> | Grid 3 <b>M4</b><br><b>16.27 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>17.29 dBV/m</b> | Grid 5 <b>M4</b><br><b>18.03 dBV/m</b> | Grid 6 <b>M4</b><br><b>17.7 dBV/m</b>  |
| Grid 7 <b>M4</b><br><b>18.41 dBV/m</b> | Grid 8 <b>M4</b><br><b>18.47 dBV/m</b> | Grid 9 <b>M4</b><br><b>17.83 dBV/m</b> |



0 dB = 8.388 V/m = 18.47 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 = 10.08 V/m; Power Drift = 0.04 dB

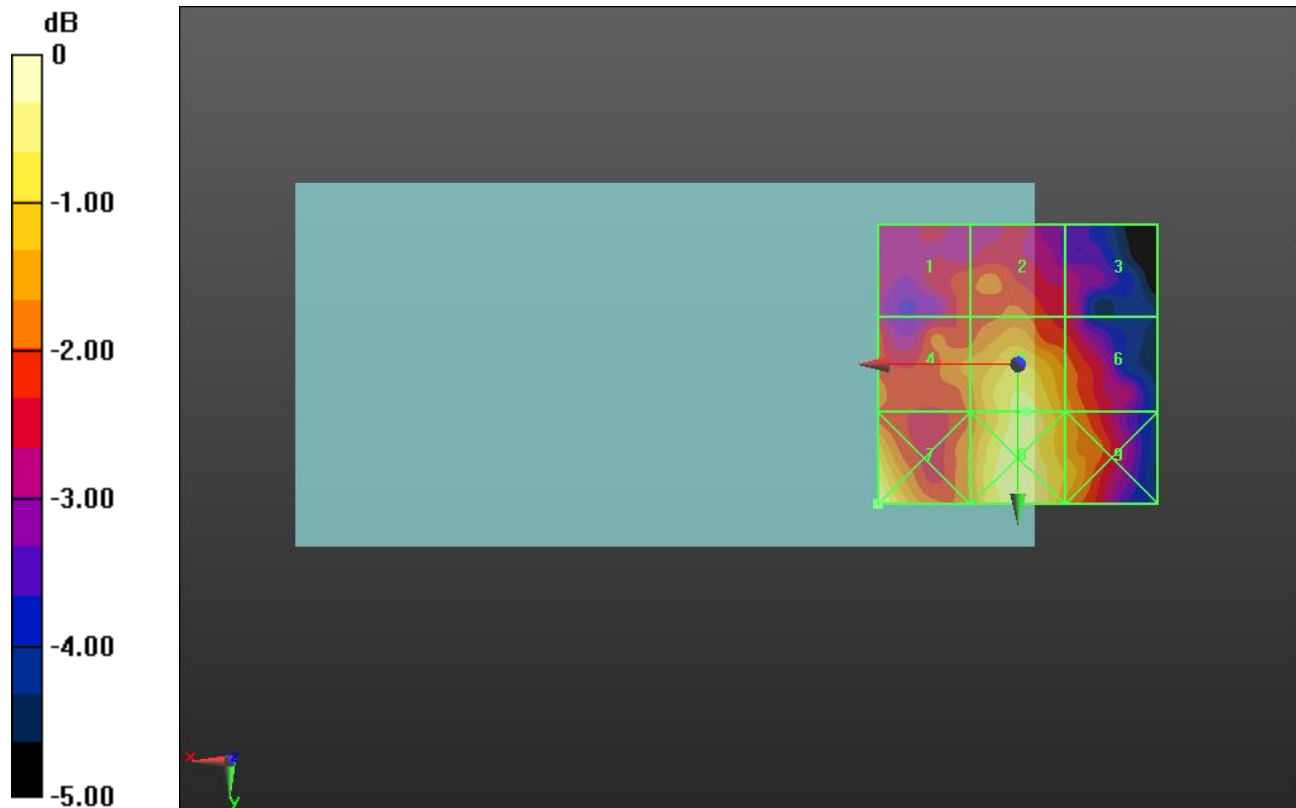
Applied MIF = 0.12 dB

RF audio interference level = 18.73 dBV/m

Emission category: **M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>17.24 dBV/m</b> | Grid 2 <b>M4</b><br><b>17.46 dBV/m</b> | Grid 3 <b>M4</b><br><b>16.79 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>17.73 dBV/m</b> | Grid 5 <b>M4</b><br><b>18.73 dBV/m</b> | Grid 6 <b>M4</b><br><b>17.86 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>19.29 dBV/m</b> | Grid 8 <b>M4</b><br><b>18.89 dBV/m</b> | Grid 9 <b>M4</b><br><b>18.27 dBV/m</b> |



0 dB = 9.219 V/m = 19.29 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 = 22.64 V/m; Power Drift = -0.06 dB

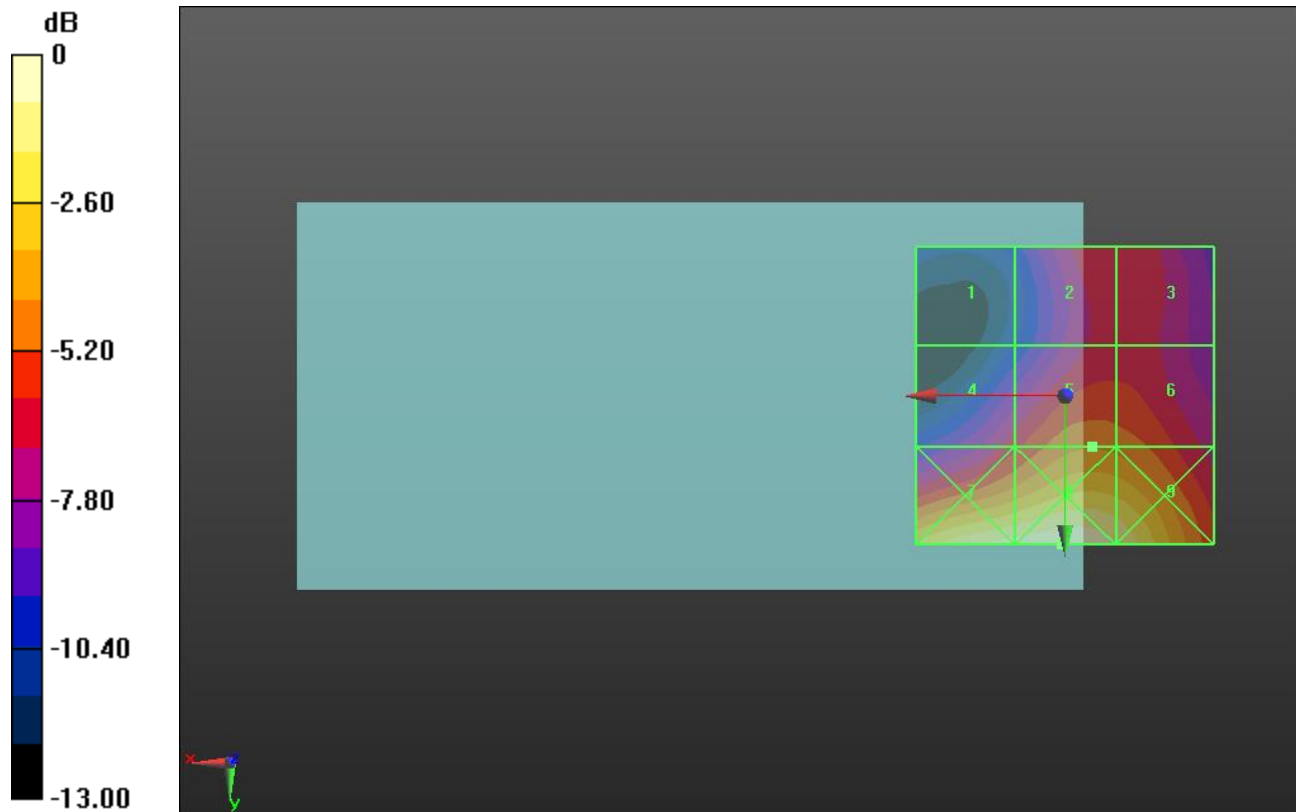
Applied MIF = 3.63 dB

RF audio interference level = 29.80 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                       |                                        |
|----------------------------------------|---------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>24.35 dBV/m</b> | Grid 2 <b>M4</b><br><b>28.1 dBV/m</b> | Grid 3 <b>M4</b><br><b>28.1 dBV/m</b>  |
| Grid 4 <b>M4</b><br><b>27.91 dBV/m</b> | Grid 5 <b>M4</b><br><b>29.8 dBV/m</b> | Grid 6 <b>M4</b><br><b>29.64 dBV/m</b> |
| Grid 7 <b>M3</b><br><b>33.83 dBV/m</b> | Grid 8 <b>M3</b><br><b>34.2 dBV/m</b> | Grid 9 <b>M3</b><br><b>33.37 dBV/m</b> |



0 dB = 51.28 V/m = 34.20 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 = 21.83 V/m; Power Drift = -0.05 dB

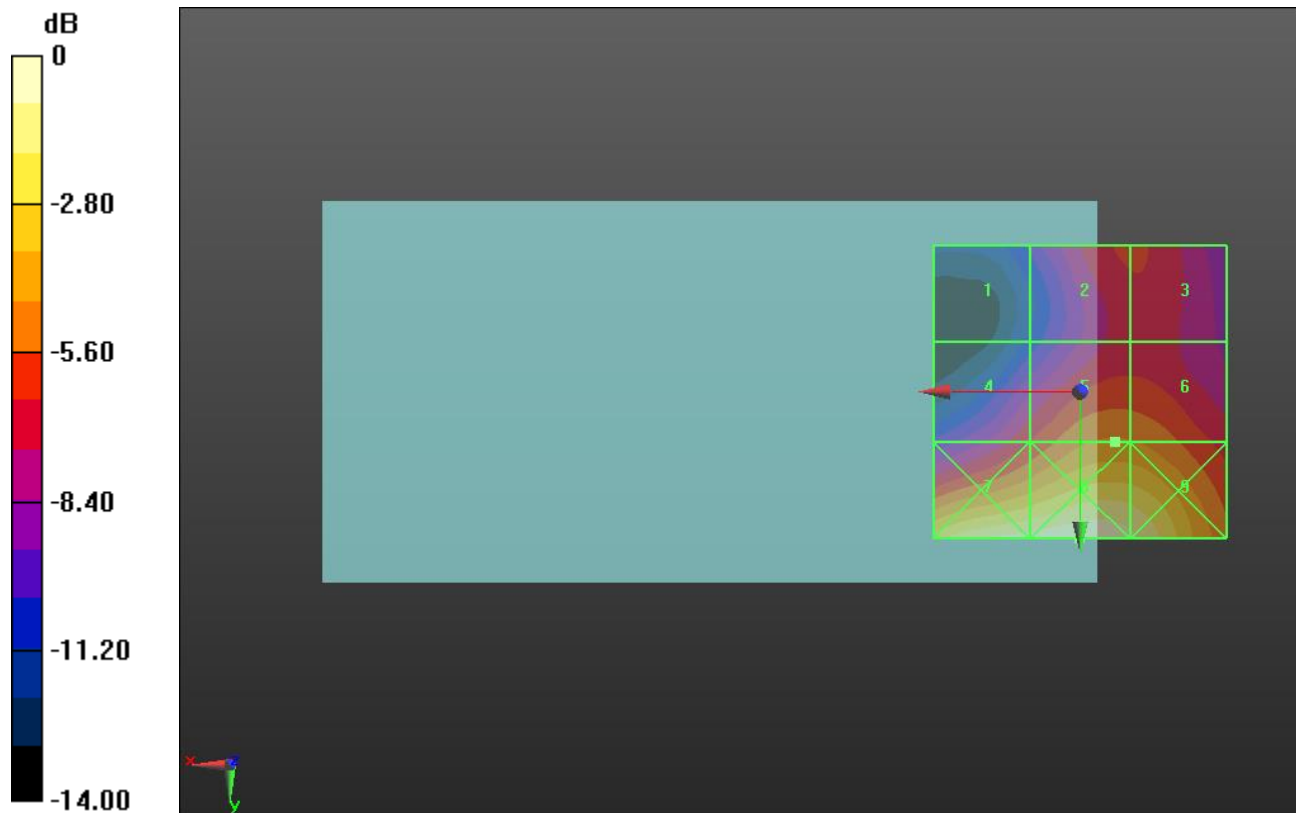
Applied MIF = 3.63 dB

RF audio interference level = 29.76 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>24.37 dBV/m</b> | Grid 2 <b>M4</b><br><b>27.91 dBV/m</b> | Grid 3 <b>M4</b><br><b>27.91 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>27.77 dBV/m</b> | Grid 5 <b>M4</b><br><b>29.76 dBV/m</b> | Grid 6 <b>M4</b><br><b>29.69 dBV/m</b> |
| Grid 7 <b>M3</b><br><b>33.86 dBV/m</b> | Grid 8 <b>M3</b><br><b>34.27 dBV/m</b> | Grid 9 <b>M3</b><br><b>33.62 dBV/m</b> |



0 dB = 51.70 V/m = 34.27 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 = 20.72 V/m; Power Drift = -0.04 dB

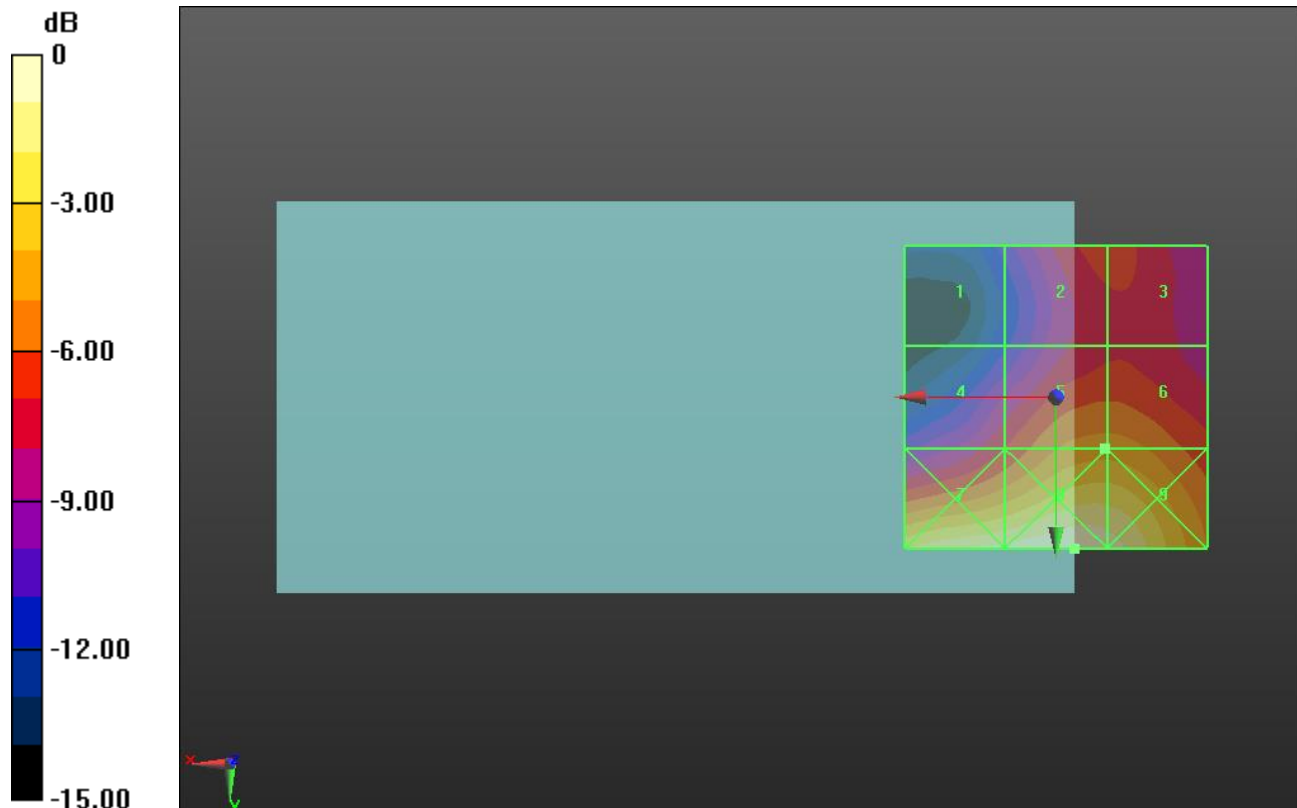
Applied MIF = 3.63 dB

RF audio interference level = 29.65 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>23.59 dBV/m</b> | Grid 2 <b>M4</b><br><b>27.46 dBV/m</b> | Grid 3 <b>M4</b><br><b>27.45 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>27.12 dBV/m</b> | Grid 5 <b>M4</b><br><b>29.65 dBV/m</b> | Grid 6 <b>M4</b><br><b>29.65 dBV/m</b> |
| Grid 7 <b>M3</b><br><b>33.44 dBV/m</b> | Grid 8 <b>M3</b><br><b>34.08 dBV/m</b> | Grid 9 <b>M3</b><br><b>33.63 dBV/m</b> |



0 dB = 50.56 V/m = 34.08 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 = 14.97 V/m; Power Drift = -0.06 dB

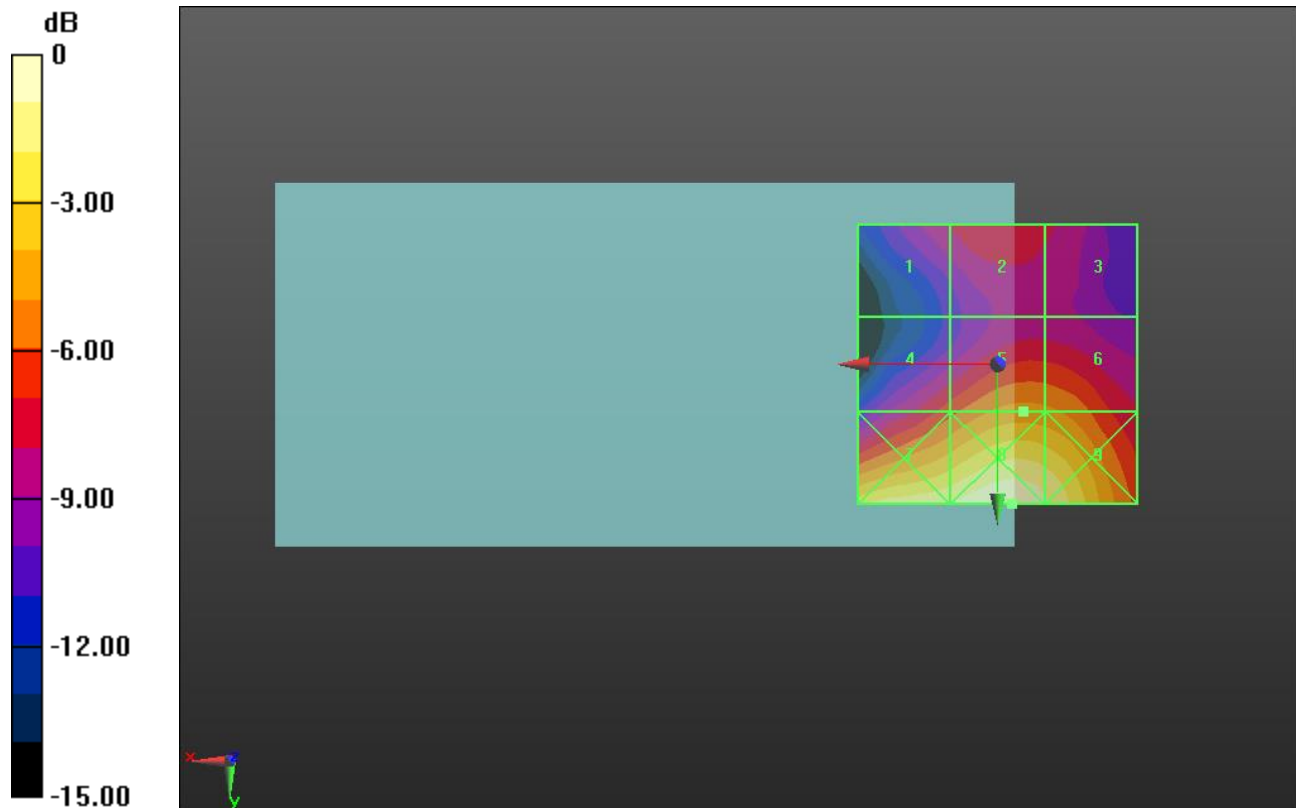
Applied MIF = -1.44 dB

RF audio interference level = 21.60 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>18.17 dBV/m</b> | Grid 2 <b>M4</b><br><b>19 dBV/m</b>    | Grid 3 <b>M4</b><br><b>18.46 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>19.82 dBV/m</b> | Grid 5 <b>M4</b><br><b>21.6 dBV/m</b>  | Grid 6 <b>M4</b><br><b>21.45 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>25.3 dBV/m</b>  | Grid 8 <b>M4</b><br><b>26.15 dBV/m</b> | Grid 9 <b>M4</b><br><b>25.37 dBV/m</b> |



0 dB = 20.29 V/m = 26.15 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 = 16.87 V/m; Power Drift = 0.00 dB

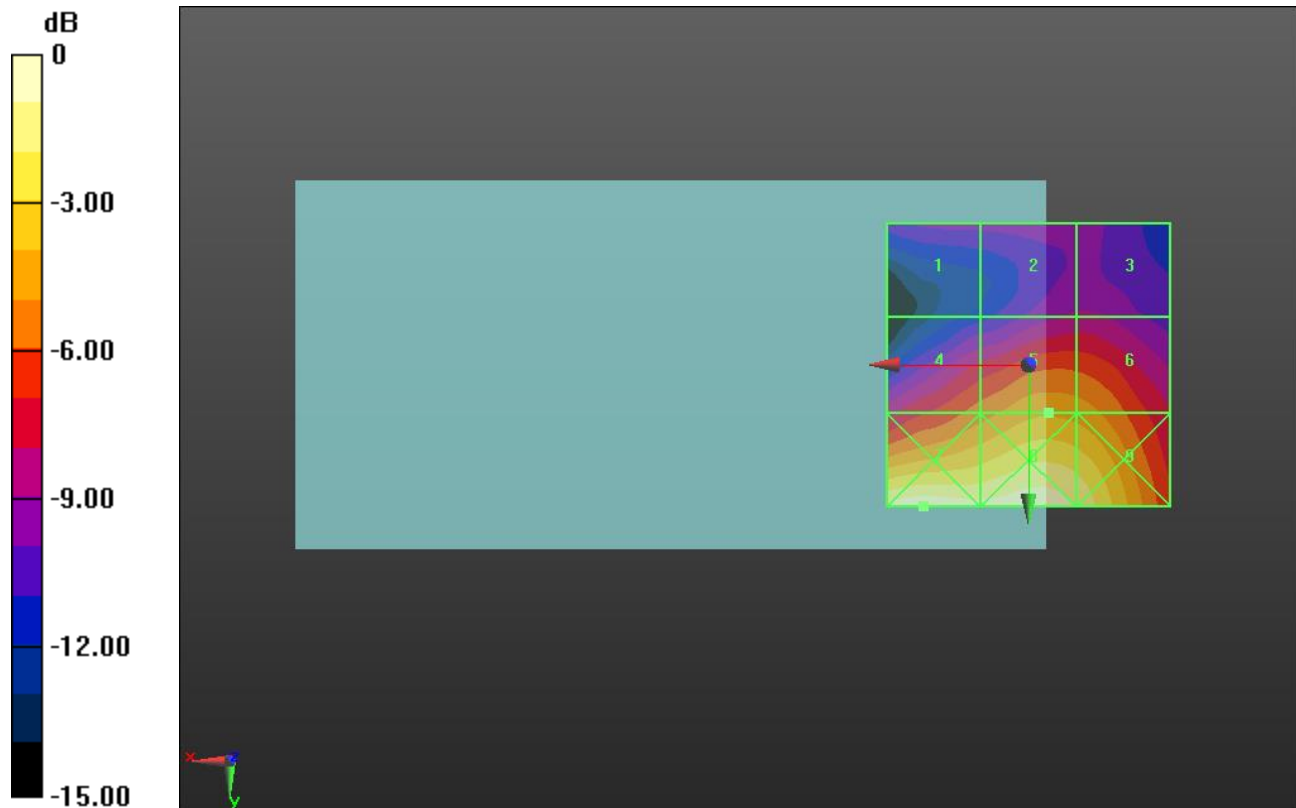
Applied MIF = -1.44 dB

RF audio interference level = 22.39 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>17.02 dBV/m</b> | Grid 2 <b>M4</b><br><b>17.75 dBV/m</b> | Grid 3 <b>M4</b><br><b>17.77 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>21.07 dBV/m</b> | Grid 5 <b>M4</b><br><b>22.39 dBV/m</b> | Grid 6 <b>M4</b><br><b>22.15 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>26.52 dBV/m</b> | Grid 8 <b>M4</b><br><b>26.27 dBV/m</b> | Grid 9 <b>M4</b><br><b>25.41 dBV/m</b> |



0 dB = 21.19 V/m = 26.52 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 = 16.50 V/m; Power Drift = -0.05 dB

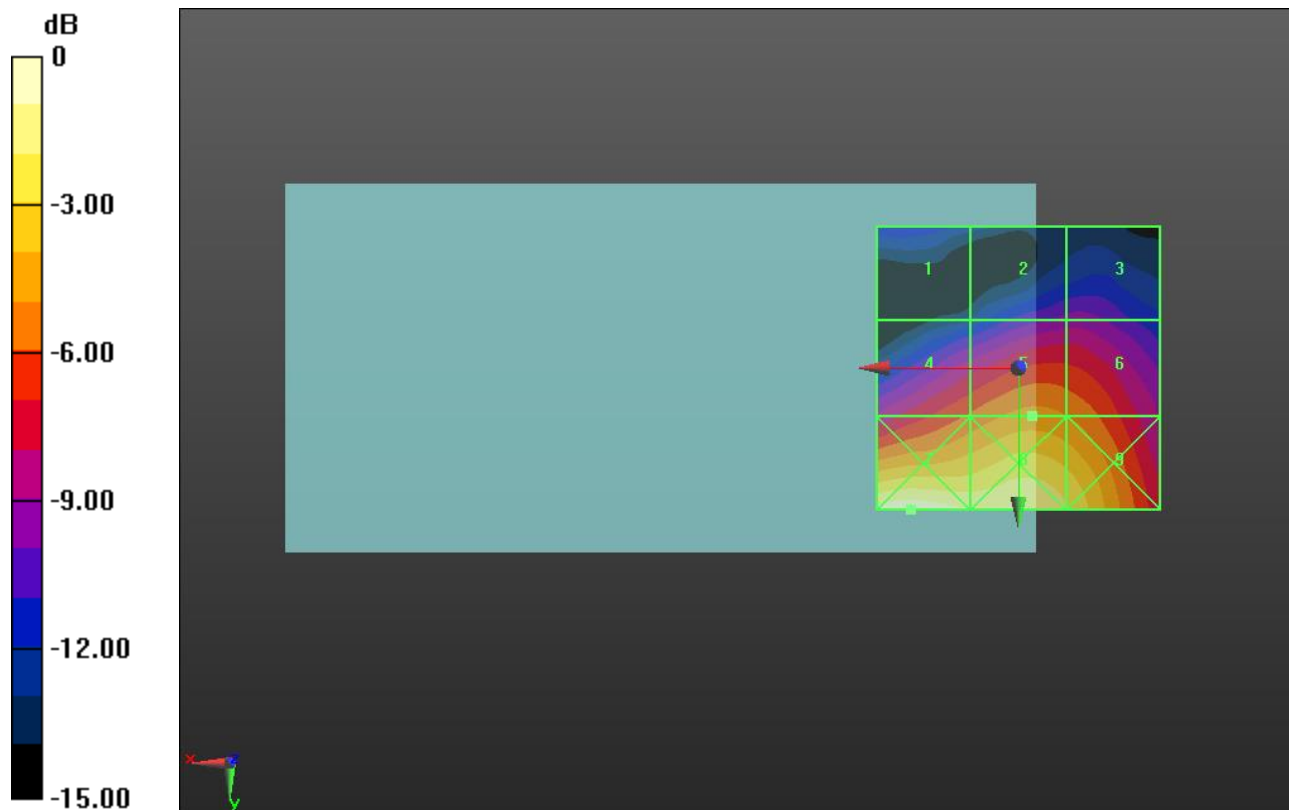
Applied MIF = -1.44 dB

RF audio interference level = 21.98 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>15.57 dBV/m</b> | Grid 2 <b>M4</b><br><b>17.03 dBV/m</b> | Grid 3 <b>M4</b><br><b>17.1 dBV/m</b>  |
| Grid 4 <b>M4</b><br><b>20.77 dBV/m</b> | Grid 5 <b>M4</b><br><b>21.98 dBV/m</b> | Grid 6 <b>M4</b><br><b>21.62 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>26.57 dBV/m</b> | Grid 8 <b>M4</b><br><b>25.73 dBV/m</b> | Grid 9 <b>M4</b><br><b>24.68 dBV/m</b> |



0 dB = 21.30 V/m = 26.57 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 = 16.12 V/m; Power Drift = -0.01 dB

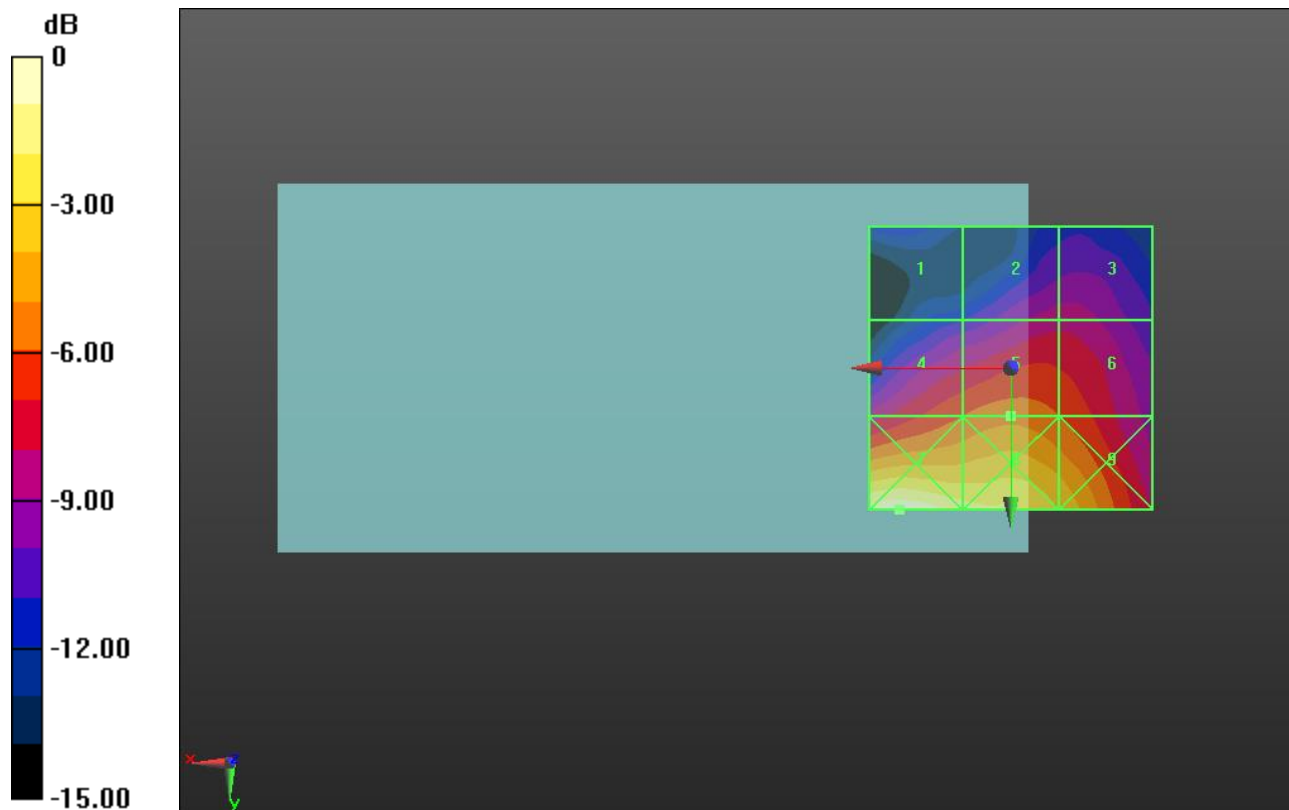
Applied MIF = -1.44 dB

RF audio interference level = 21.57 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>15.87 dBV/m</b> | Grid 2 <b>M4</b><br><b>18.47 dBV/m</b> | Grid 3 <b>M4</b><br><b>18.5 dBV/m</b>  |
| Grid 4 <b>M4</b><br><b>20.89 dBV/m</b> | Grid 5 <b>M4</b><br><b>21.57 dBV/m</b> | Grid 6 <b>M4</b><br><b>20.91 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>26.86 dBV/m</b> | Grid 8 <b>M4</b><br><b>25.53 dBV/m</b> | Grid 9 <b>M4</b><br><b>23.82 dBV/m</b> |



0 dB = 22.04 V/m = 26.86 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 = 16.65 V/m; Power Drift = -0.03 dB

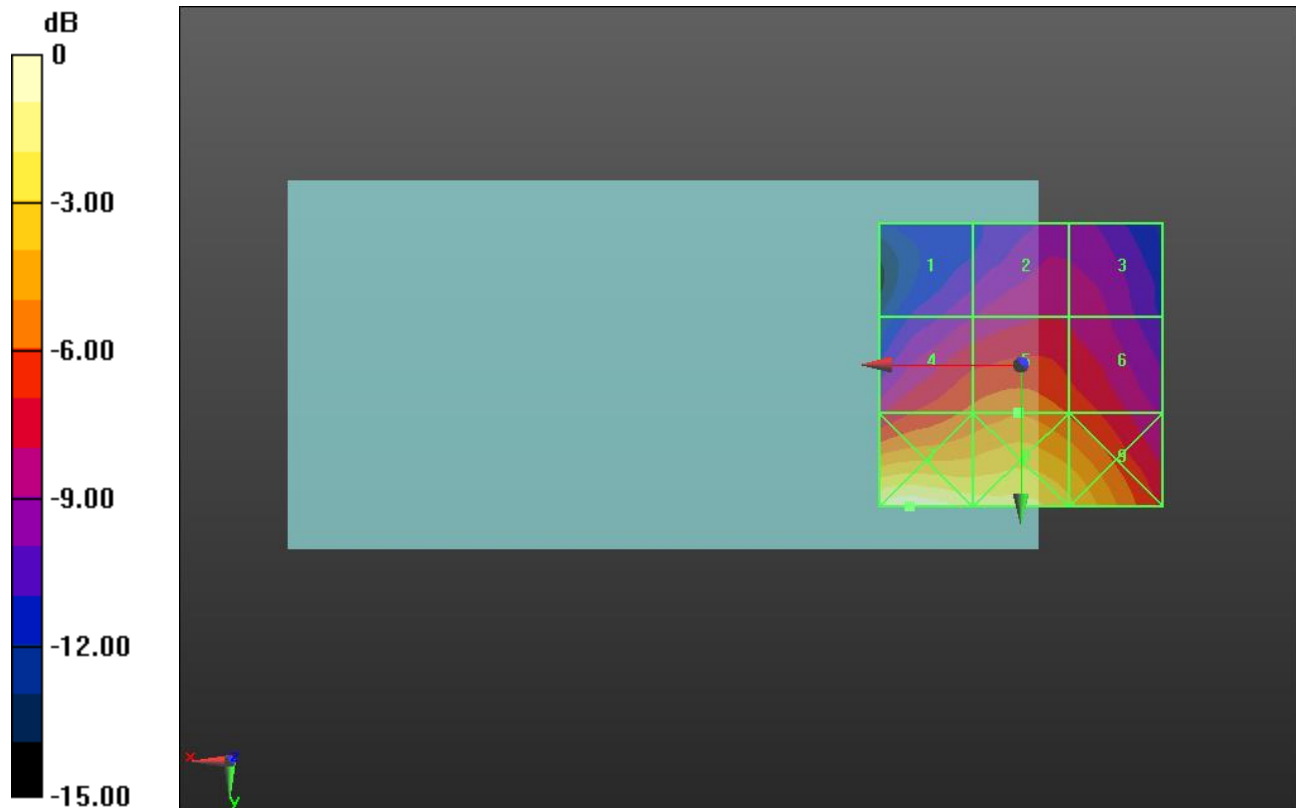
Applied MIF = -1.44 dB

RF audio interference level = 22.04 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>18.1 dBV/m</b>  | Grid 2 <b>M4</b><br><b>19.14 dBV/m</b> | Grid 3 <b>M4</b><br><b>19.06 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>21.41 dBV/m</b> | Grid 5 <b>M4</b><br><b>22.04 dBV/m</b> | Grid 6 <b>M4</b><br><b>21.05 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>27.12 dBV/m</b> | Grid 8 <b>M4</b><br><b>25.92 dBV/m</b> | Grid 9 <b>M4</b><br><b>24.42 dBV/m</b> |



0 dB = 22.70 V/m = 27.12 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 = 25.56 V/m; Power Drift = -0.00 dB

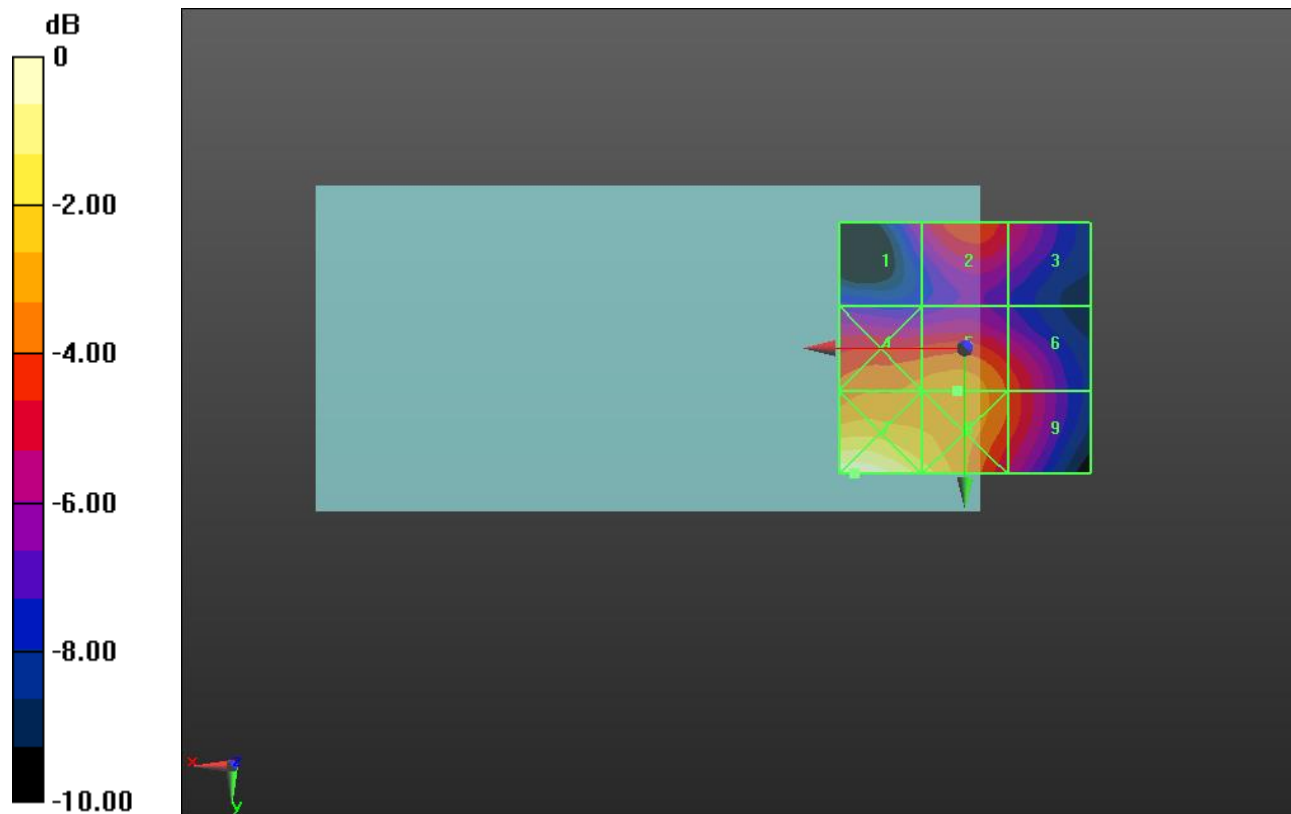
Applied MIF = -1.44 dB

RF audio interference level = 24.80 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>22.18 dBV/m</b> | Grid 2 <b>M4</b><br><b>23.58 dBV/m</b> | Grid 3 <b>M4</b><br><b>22.62 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>24.55 dBV/m</b> | Grid 5 <b>M4</b><br><b>24.8 dBV/m</b>  | Grid 6 <b>M4</b><br><b>23.62 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>27.67 dBV/m</b> | Grid 8 <b>M4</b><br><b>26.12 dBV/m</b> | Grid 9 <b>M4</b><br><b>23.67 dBV/m</b> |



0 dB = 24.19 V/m = 27.67 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 = 26.80 V/m; Power Drift = -0.03 dB

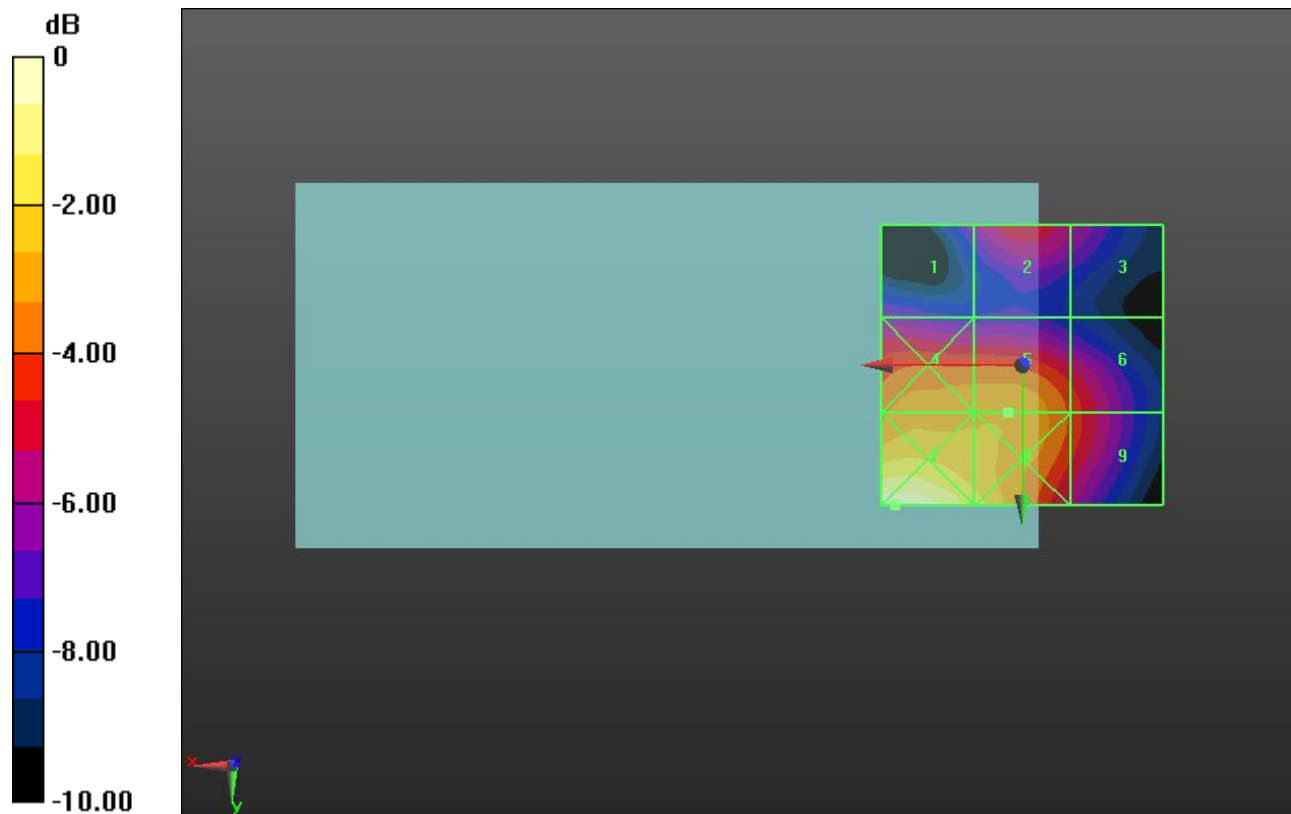
Applied MIF = -1.44 dB

RF audio interference level = 25.13 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>21.86 dBV/m</b> | Grid 2 <b>M4</b><br><b>23.22 dBV/m</b> | Grid 3 <b>M4</b><br><b>22.15 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>25.08 dBV/m</b> | Grid 5 <b>M4</b><br><b>25.13 dBV/m</b> | Grid 6 <b>M4</b><br><b>23.75 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>27.88 dBV/m</b> | Grid 8 <b>M4</b><br><b>26.32 dBV/m</b> | Grid 9 <b>M4</b><br><b>23.77 dBV/m</b> |



0 dB = 24.77 V/m = 27.88 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 = 26.72 V/m; Power Drift = 0.02 dB

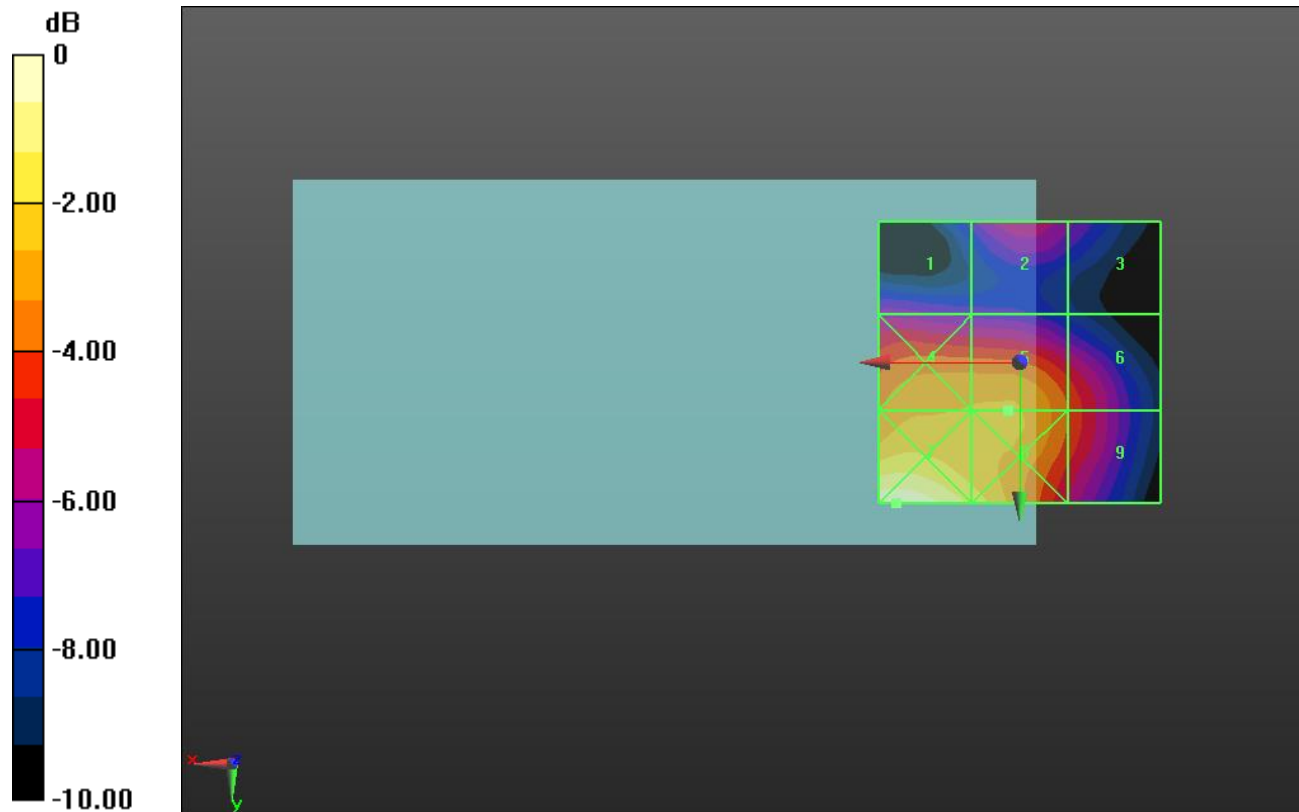
Applied MIF = -1.44 dB

RF audio interference level = 25.13 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>21.49 dBV/m</b> | Grid 2 <b>M4</b><br><b>22.26 dBV/m</b> | Grid 3 <b>M4</b><br><b>21.28 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>25.06 dBV/m</b> | Grid 5 <b>M4</b><br><b>25.13 dBV/m</b> | Grid 6 <b>M4</b><br><b>23.68 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>27.68 dBV/m</b> | Grid 8 <b>M4</b><br><b>26.19 dBV/m</b> | Grid 9 <b>M4</b><br><b>23.69 dBV/m</b> |



0 dB = 24.22 V/m = 27.68 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 = 25.16 V/m; Power Drift = -0.02 dB

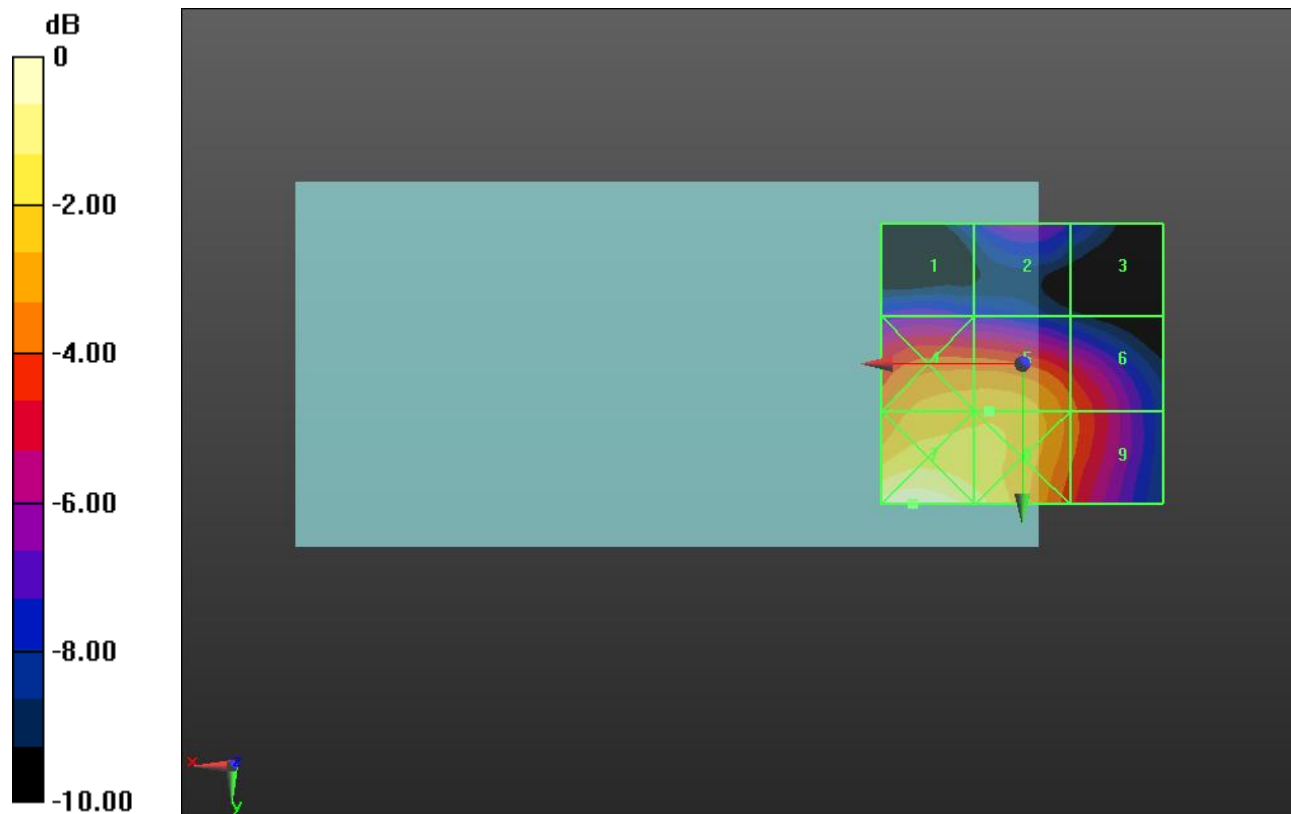
Applied MIF = -1.44 dB

RF audio interference level = 25.18 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>20.68 dBV/m</b> | Grid 2 <b>M4</b><br><b>21.07 dBV/m</b> | Grid 3 <b>M4</b><br><b>19.99 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>25.14 dBV/m</b> | Grid 5 <b>M4</b><br><b>25.18 dBV/m</b> | Grid 6 <b>M4</b><br><b>23.66 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>27.34 dBV/m</b> | Grid 8 <b>M4</b><br><b>26.43 dBV/m</b> | Grid 9 <b>M4</b><br><b>23.75 dBV/m</b> |



0 dB = 23.28 V/m = 27.34 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 = 11.82 V/m; Power Drift = -0.07 dB

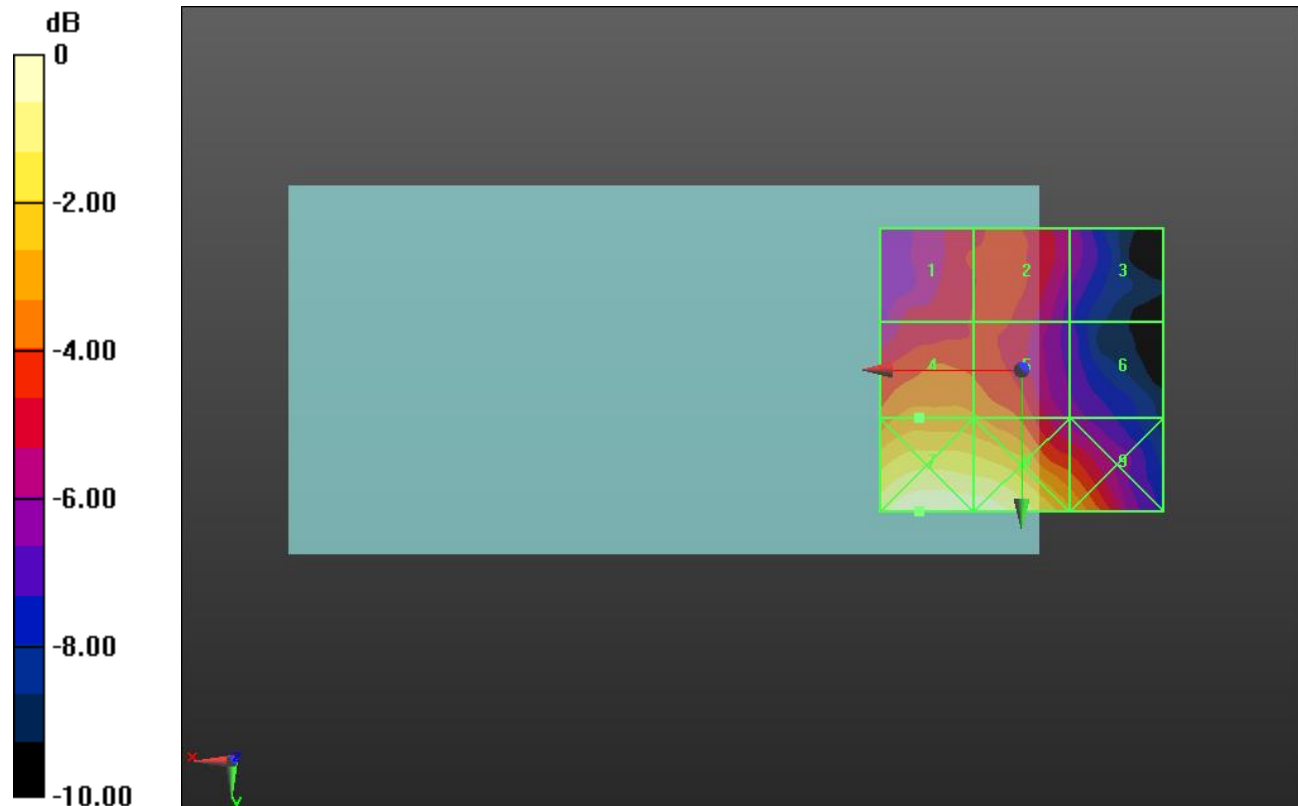
Applied MIF = -2.02 dB

RF audio interference level = 19.59 dBV/m

Emission category: **M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>18.01 dBV/m</b> | Grid 2 <b>M4</b><br><b>18.2 dBV/m</b>  | Grid 3 <b>M4</b><br><b>16.59 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>19.59 dBV/m</b> | Grid 5 <b>M4</b><br><b>19.42 dBV/m</b> | Grid 6 <b>M4</b><br><b>16.43 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>22.6 dBV/m</b>  | Grid 8 <b>M4</b><br><b>22.51 dBV/m</b> | Grid 9 <b>M4</b><br><b>20.15 dBV/m</b> |



0 dB = 13.49 V/m = 22.60 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 = 9.393 V/m; Power Drift = -0.04 dB

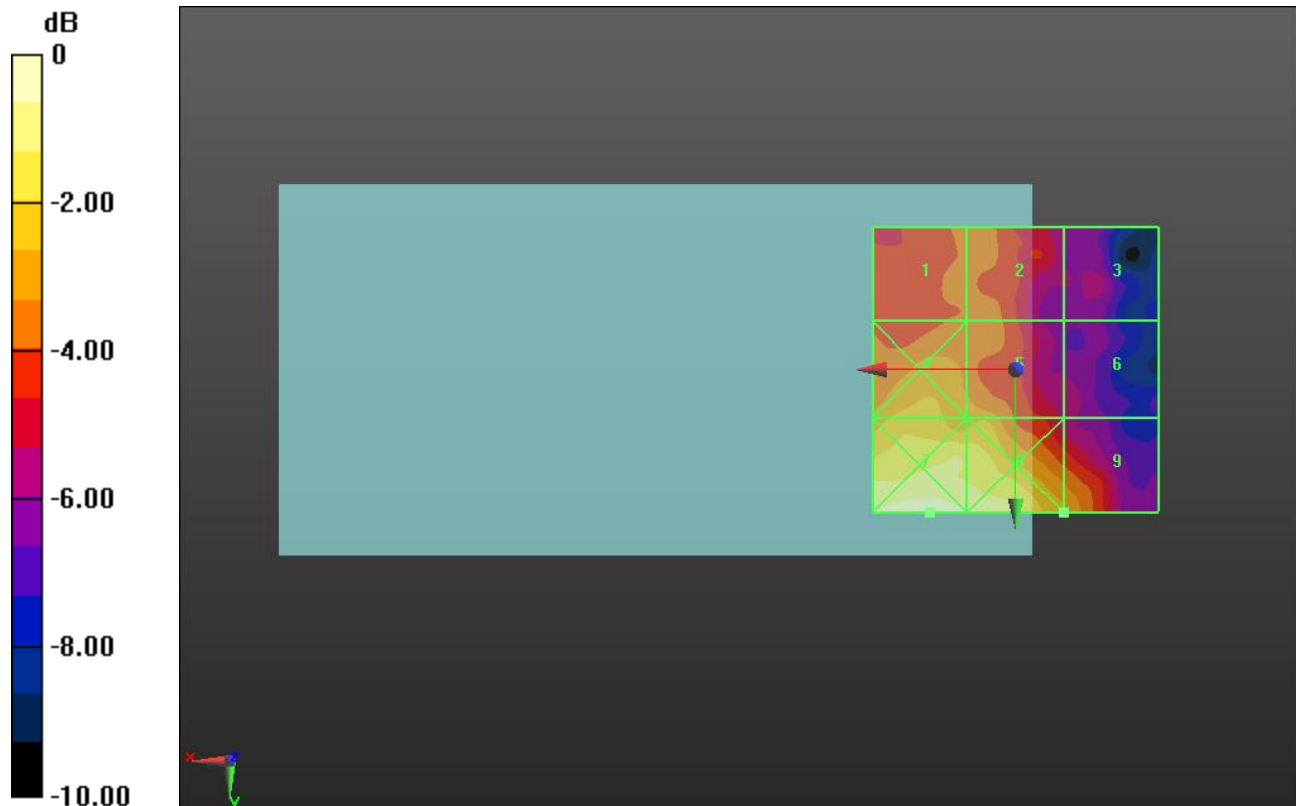
Applied MIF = -2.02 dB

RF audio interference level = 17.69 dBV/m

Emission category: **M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>16.68 dBV/m</b> | Grid 2 <b>M4</b><br><b>16.82 dBV/m</b> | Grid 3 <b>M4</b><br><b>14.68 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>17.92 dBV/m</b> | Grid 5 <b>M4</b><br><b>17.5 dBV/m</b>  | Grid 6 <b>M4</b><br><b>14.77 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>20.27 dBV/m</b> | Grid 8 <b>M4</b><br><b>19.75 dBV/m</b> | Grid 9 <b>M4</b><br><b>17.69 dBV/m</b> |



0 dB = 10.31 V/m = 20.27 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 = 9.386 V/m; Power Drift = -0.04 dB

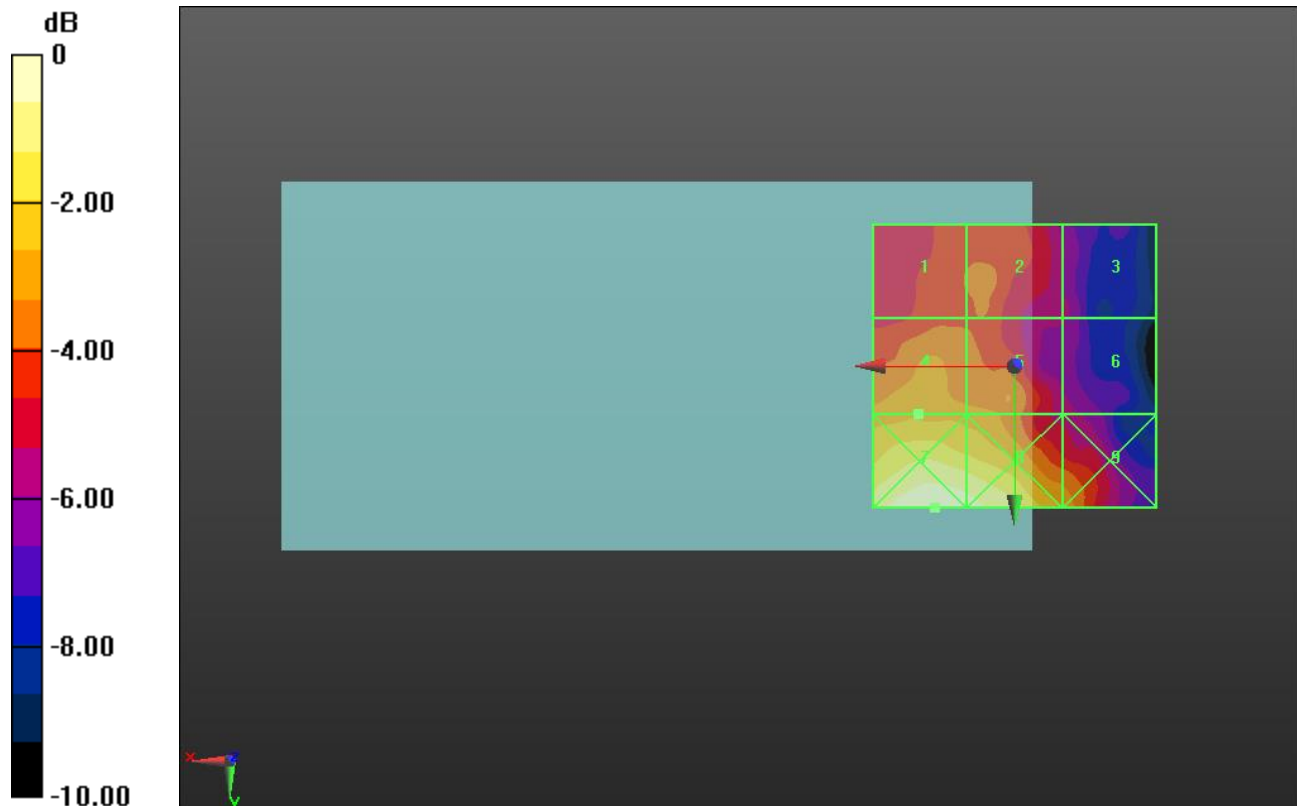
Applied MIF = -2.02 dB

RF audio interference level = 17.44 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>16.22 dBV/m</b> | Grid 2 <b>M4</b><br><b>16.53 dBV/m</b> | Grid 3 <b>M4</b><br><b>14.39 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>17.44 dBV/m</b> | Grid 5 <b>M4</b><br><b>17.2 dBV/m</b>  | Grid 6 <b>M4</b><br><b>14.65 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>20.18 dBV/m</b> | Grid 8 <b>M4</b><br><b>19.9 dBV/m</b>  | Grid 9 <b>M4</b><br><b>17.45 dBV/m</b> |



0 dB = 10.21 V/m = 20.18 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 = 9.856 V/m; Power Drift = -0.10 dB

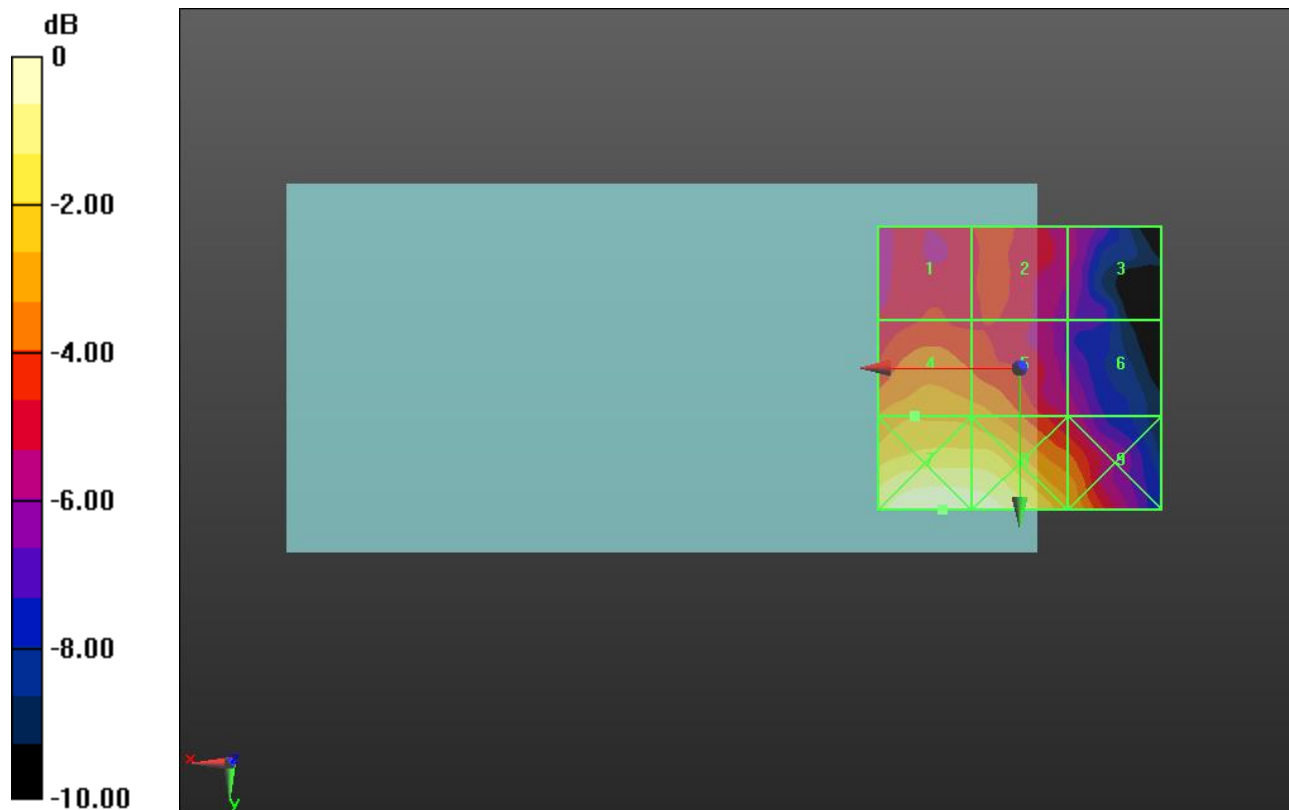
Applied MIF = 0.12 dB

RF audio interference level = 20.24 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>18.48 dBV/m</b> | Grid 2 <b>M4</b><br><b>18.85 dBV/m</b> | Grid 3 <b>M4</b><br><b>17.37 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>20.24 dBV/m</b> | Grid 5 <b>M4</b><br><b>20.05 dBV/m</b> | Grid 6 <b>M4</b><br><b>17.6 dBV/m</b>  |
| Grid 7 <b>M4</b><br><b>22.98 dBV/m</b> | Grid 8 <b>M4</b><br><b>22.84 dBV/m</b> | Grid 9 <b>M4</b><br><b>20.57 dBV/m</b> |



0 dB = 14.09 V/m = 22.98 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 = 8.715 V/m; Power Drift = -0.06 dB

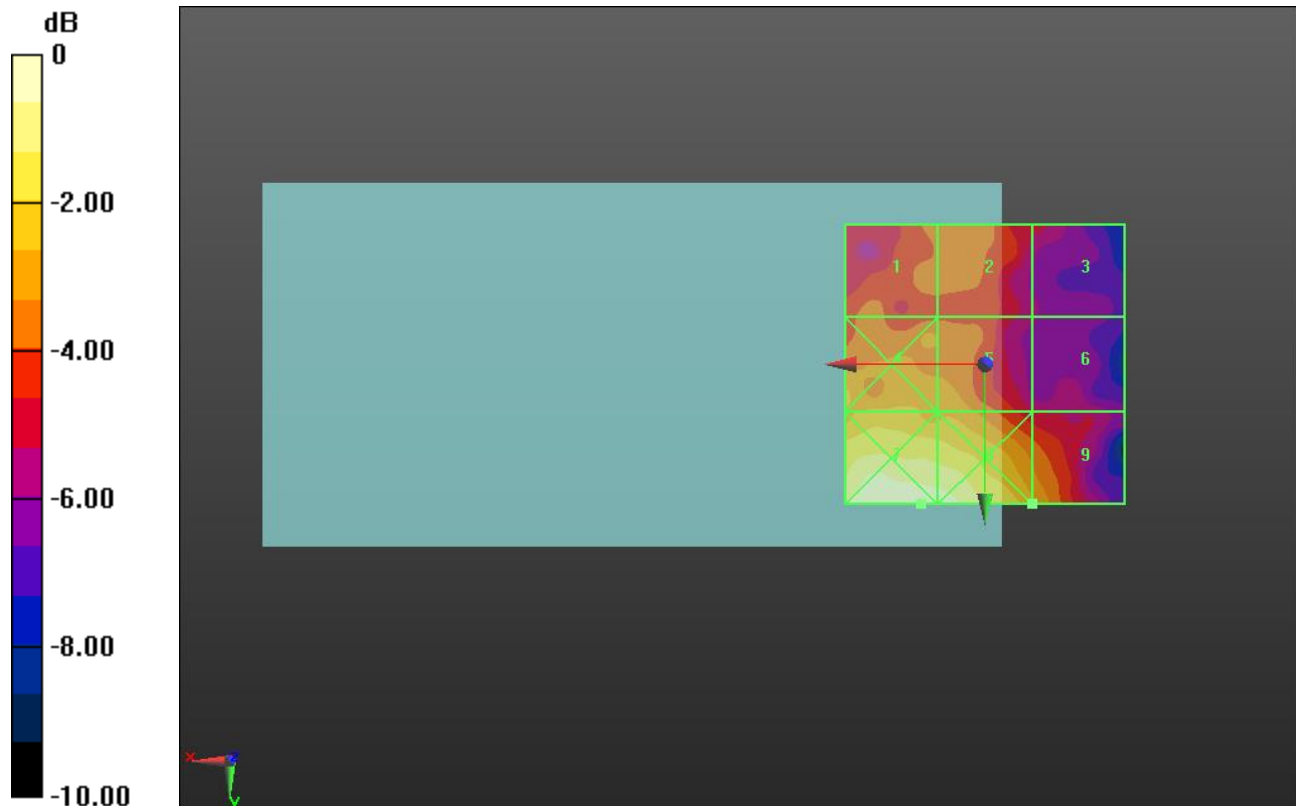
Applied MIF = 0.12 dB

RF audio interference level = 19.27 dBV/m

Emission category: **M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>18.25 dBV/m</b> | Grid 2 <b>M4</b><br><b>18.2 dBV/m</b>  | Grid 3 <b>M4</b><br><b>16.8 dBV/m</b>  |
| Grid 4 <b>M4</b><br><b>19.29 dBV/m</b> | Grid 5 <b>M4</b><br><b>18.96 dBV/m</b> | Grid 6 <b>M4</b><br><b>16.55 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>21.73 dBV/m</b> | Grid 8 <b>M4</b><br><b>21.58 dBV/m</b> | Grid 9 <b>M4</b><br><b>19.27 dBV/m</b> |



0 dB = 12.20 V/m = 21.73 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 = 9.652 V/m; Power Drift = -0.15 dB

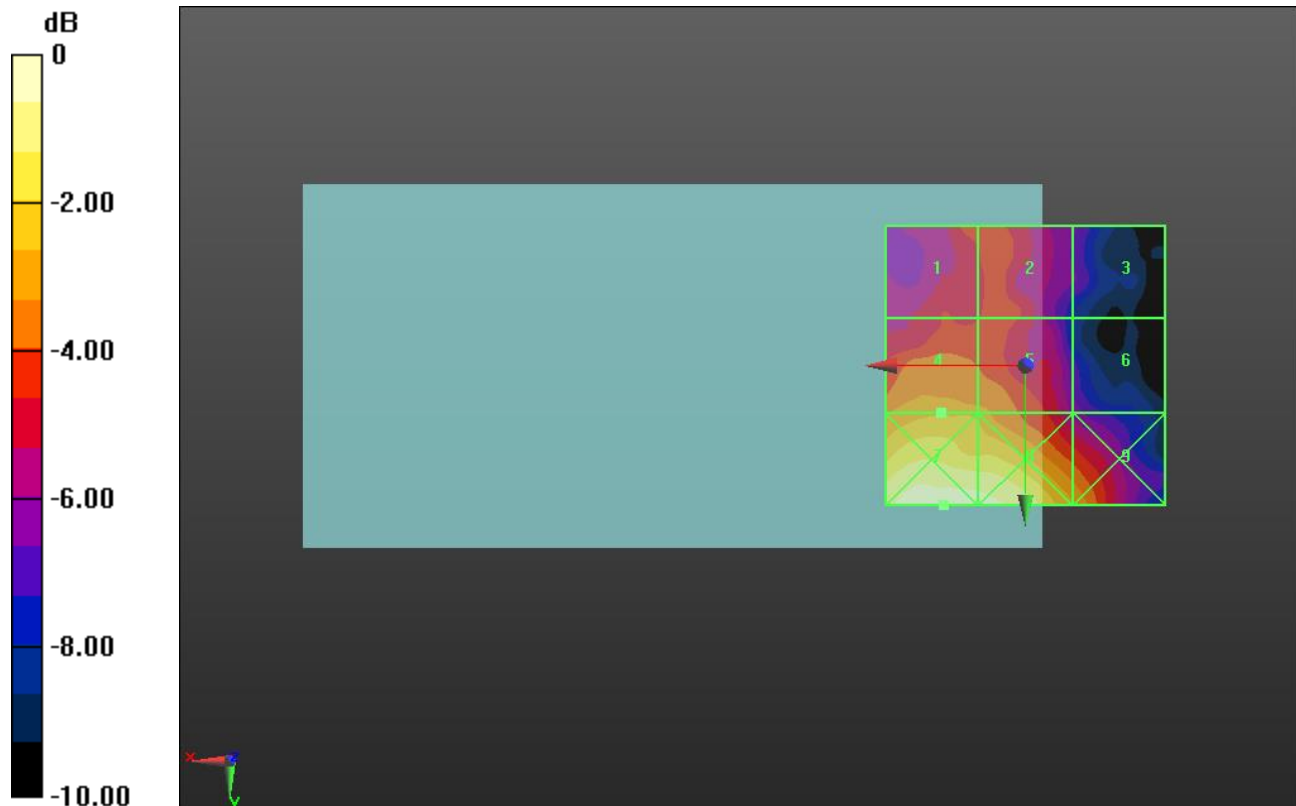
Applied MIF = 0.12 dB

RF audio interference level = 19.89 dBV/m

Emission category: **M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>18.36 dBV/m</b> | Grid 2 <b>M4</b><br><b>18.59 dBV/m</b> | Grid 3 <b>M4</b><br><b>16.19 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>19.89 dBV/m</b> | Grid 5 <b>M4</b><br><b>19.67 dBV/m</b> | Grid 6 <b>M4</b><br><b>16.51 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>22.63 dBV/m</b> | Grid 8 <b>M4</b><br><b>22.4 dBV/m</b>  | Grid 9 <b>M4</b><br><b>20.11 dBV/m</b> |



0 dB = 13.53 V/m = 22.63 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 = 7.605 V/m; Power Drift = -0.35 dB

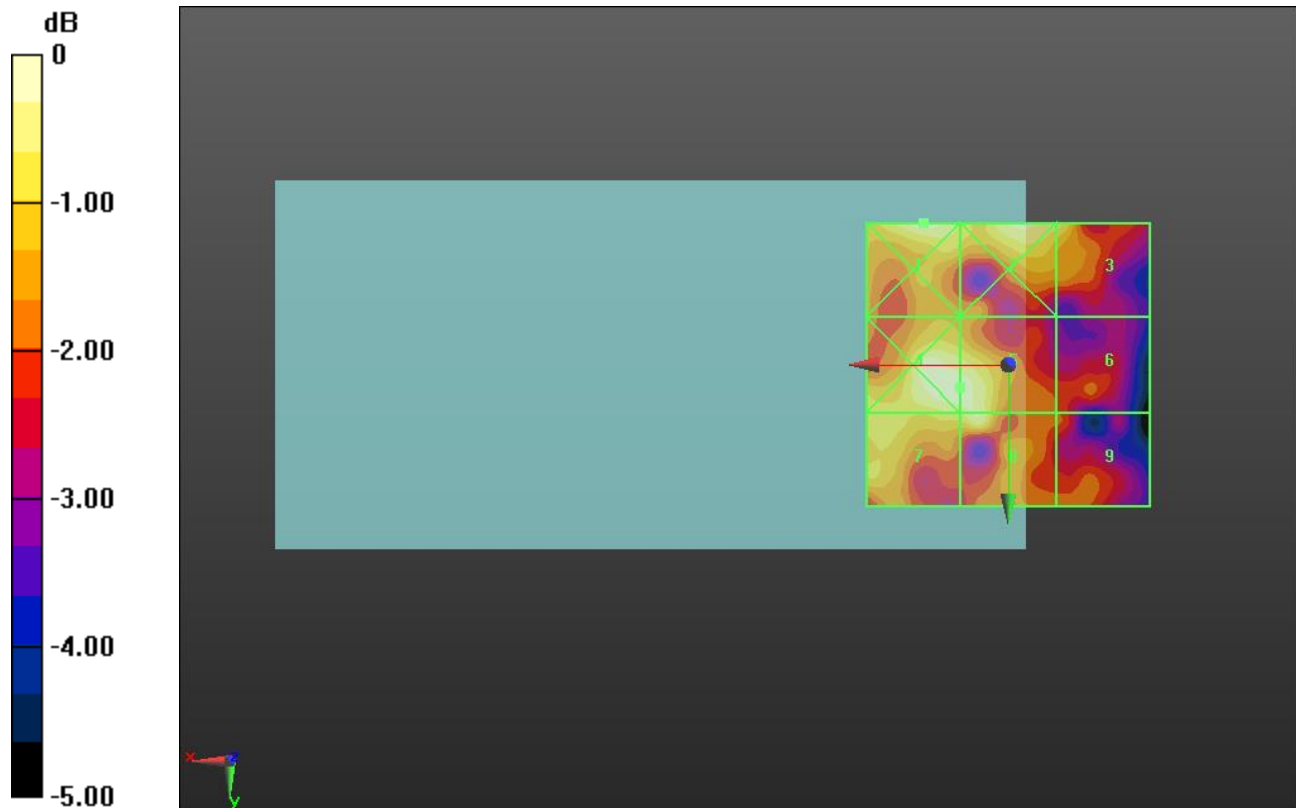
Applied MIF = -5.82 dB

RF audio interference level = 10.52 dBV/m

Emission category: **M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>10.65 dBV/m</b> | Grid 2 <b>M4</b><br><b>10.46 dBV/m</b> | Grid 3 <b>M4</b><br><b>10.25 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>10.6 dBV/m</b>  | Grid 5 <b>M4</b><br><b>10.52 dBV/m</b> | Grid 6 <b>M4</b><br><b>8.79 dBV/m</b>  |
| Grid 7 <b>M4</b><br><b>10.02 dBV/m</b> | Grid 8 <b>M4</b><br><b>10.35 dBV/m</b> | Grid 9 <b>M4</b><br><b>8.88 dBV/m</b>  |



0 dB = 3.409 V/m = 10.65 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 = 7.372 V/m; Power Drift = -0.23 dB

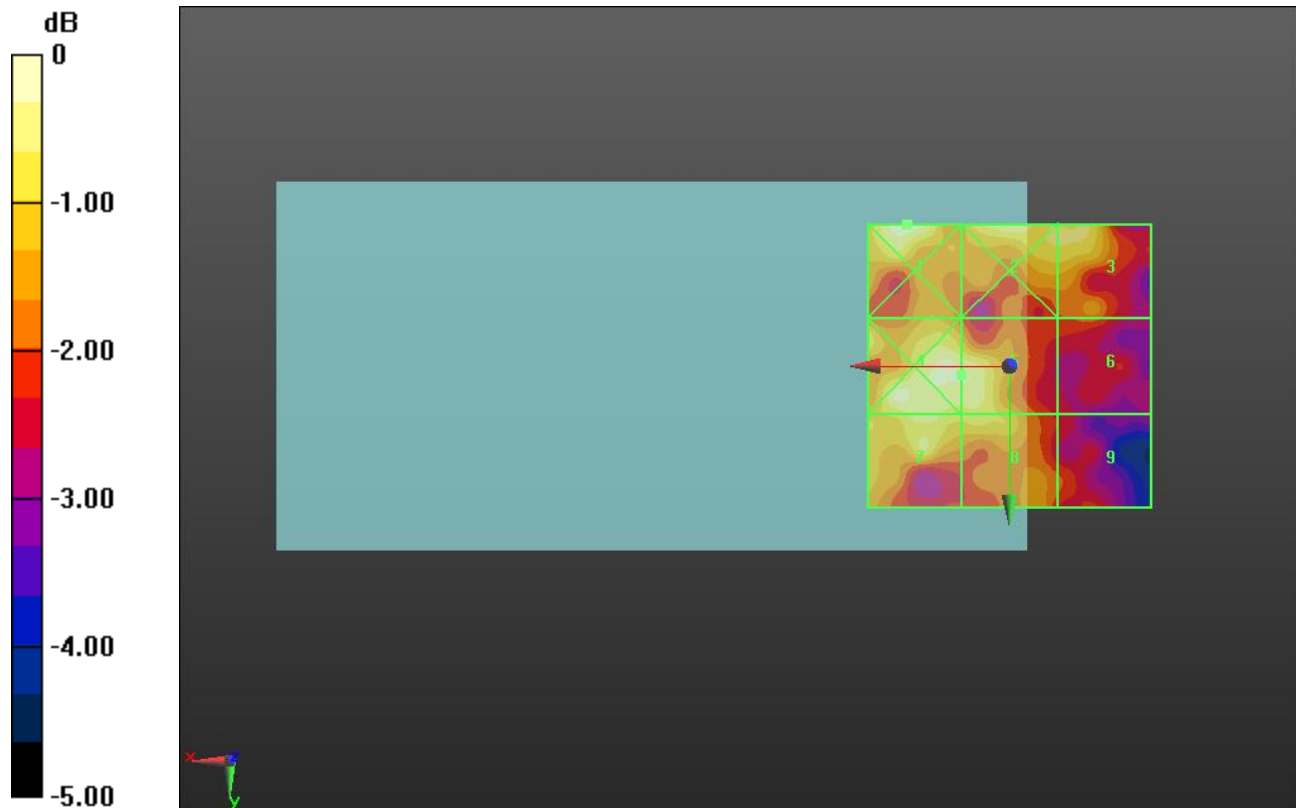
Applied MIF = -5.82 dB

RF audio interference level = 11.21 dBV/m

Emission category: **M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>11.47 dBV/m</b> | Grid 2 <b>M4</b><br><b>11.28 dBV/m</b> | Grid 3 <b>M4</b><br><b>10.91 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>11.3 dBV/m</b>  | Grid 5 <b>M4</b><br><b>11.21 dBV/m</b> | Grid 6 <b>M4</b><br><b>9.71 dBV/m</b>  |
| Grid 7 <b>M4</b><br><b>10.93 dBV/m</b> | Grid 8 <b>M4</b><br><b>10.71 dBV/m</b> | Grid 9 <b>M4</b><br><b>9.56 dBV/m</b>  |



0 dB = 3.745 V/m = 11.47 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 = 6.689 V/m; Power Drift = -0.20 dB

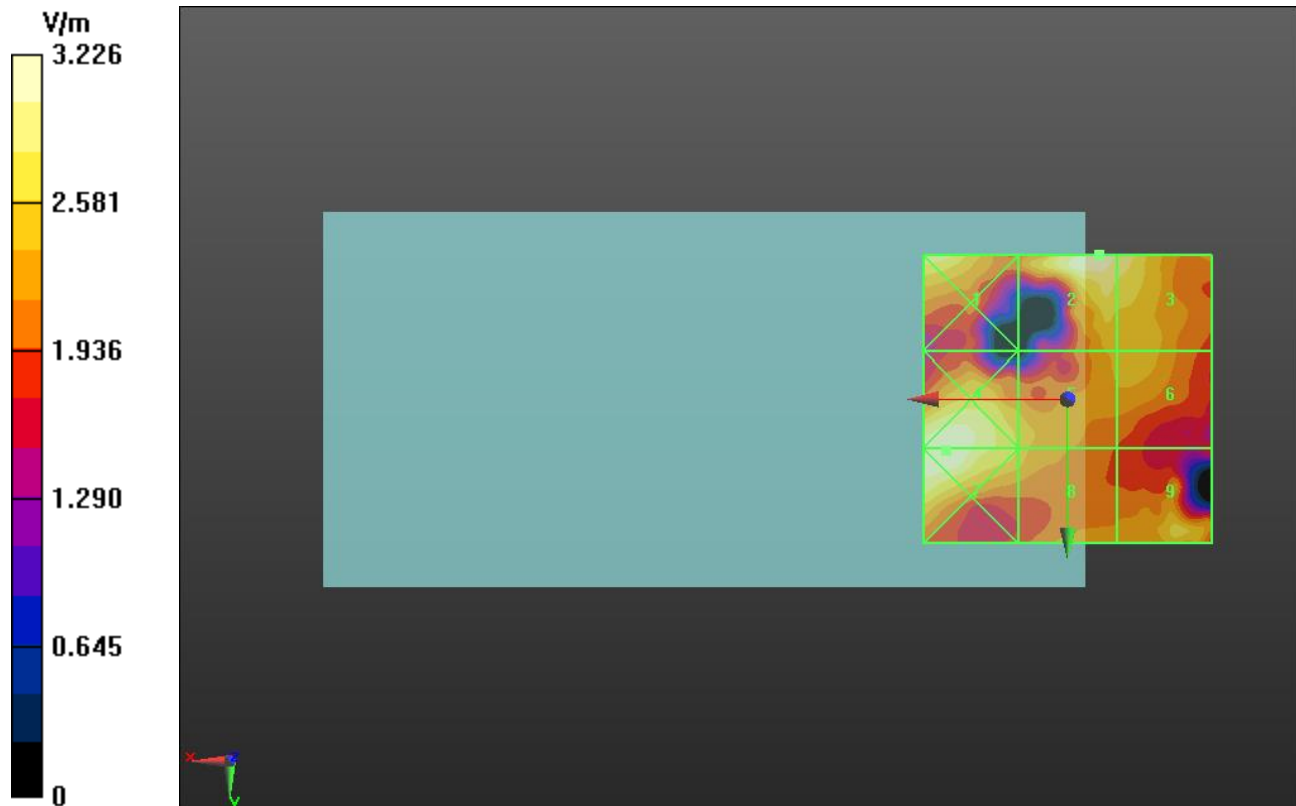
Applied MIF = -5.82 dB

RF audio interference level = 9.97 dBV/m

Emission category: **M4**

MIF scaled E-field

|                                        |                                       |                                       |
|----------------------------------------|---------------------------------------|---------------------------------------|
| Grid 1 <b>M4</b><br><b>9.47 dBV/m</b>  | Grid 2 <b>M4</b><br><b>9.97 dBV/m</b> | Grid 3 <b>M4</b><br><b>9.59 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>10.17 dBV/m</b> | Grid 5 <b>M4</b><br><b>8.12 dBV/m</b> | Grid 6 <b>M4</b><br><b>7.84 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>10.17 dBV/m</b> | Grid 8 <b>M4</b><br><b>8.12 dBV/m</b> | Grid 9 <b>M4</b><br><b>8.58 dBV/m</b> |



## 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 = 7.236 V/m; Power Drift = 0.02 dB

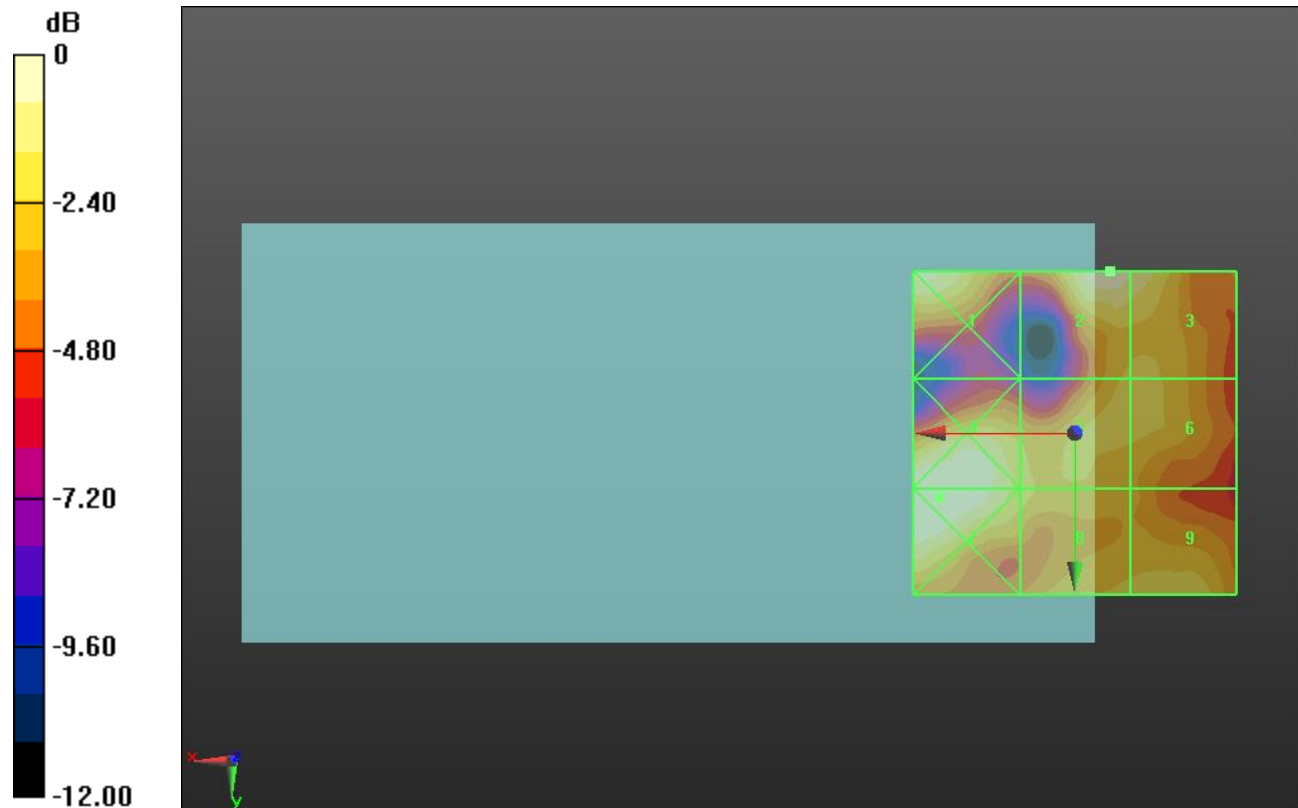
Applied MIF = -5.82 dB

RF audio interference level = 10.09 dBV/m

Emission category: **M4**

MIF scaled E-field

|                                        |                                        |                                       |
|----------------------------------------|----------------------------------------|---------------------------------------|
| Grid 1 <b>M4</b><br><b>9.66 dBV/m</b>  | Grid 2 <b>M4</b><br><b>10.09 dBV/m</b> | Grid 3 <b>M4</b><br><b>9.62 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>10.28 dBV/m</b> | Grid 5 <b>M4</b><br><b>8.39 dBV/m</b>  | Grid 6 <b>M4</b><br><b>8.17 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>10.28 dBV/m</b> | Grid 8 <b>M4</b><br><b>8.38 dBV/m</b>  | Grid 9 <b>M4</b><br><b>8.7 dBV/m</b>  |



0 dB = 3.267 V/m = 10.28 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 = 7.448 V/m; Power Drift = -0.22 dB

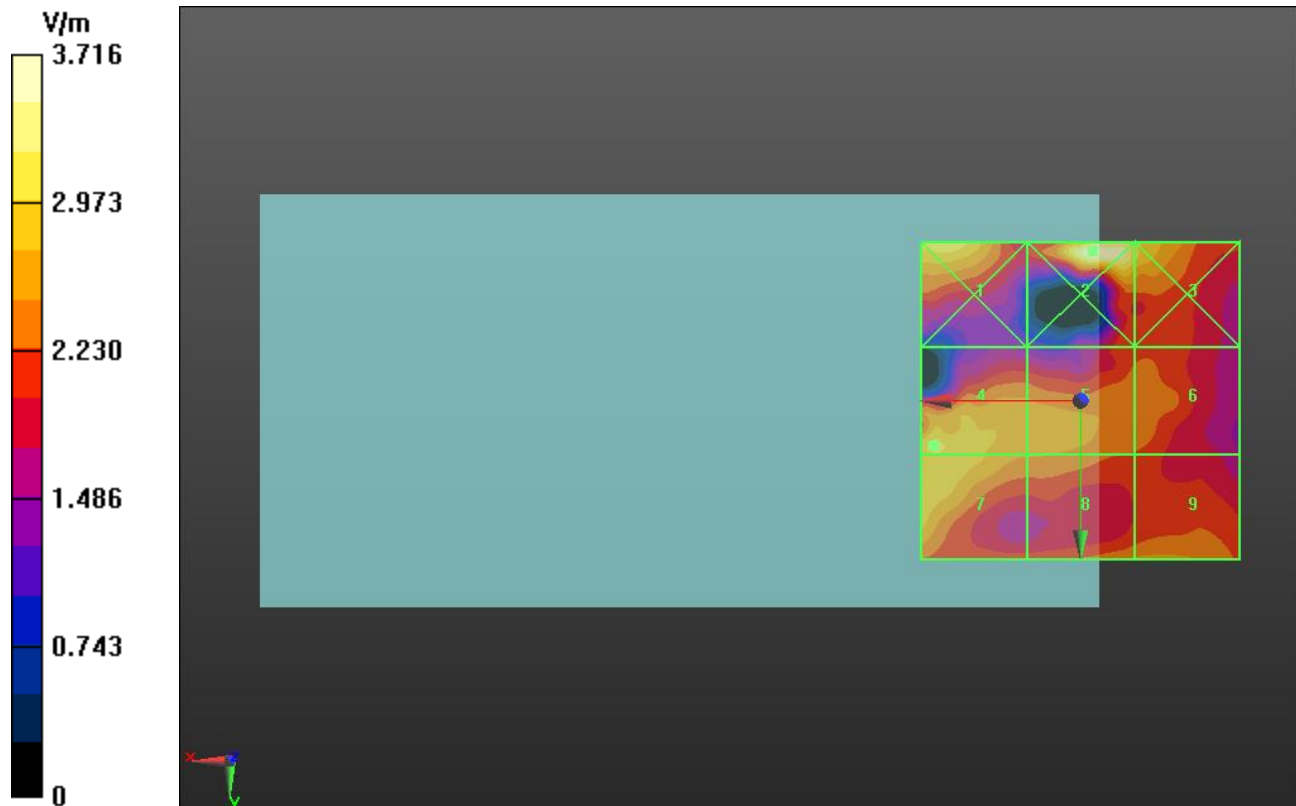
Applied MIF = -5.82 dB

RF audio interference level = 9.63 dBV/m

Emission category: **M4**

MIF scaled E-field

|                                        |                                       |                                       |
|----------------------------------------|---------------------------------------|---------------------------------------|
| Grid 1 <b>M4</b><br><b>10.13 dBV/m</b> | Grid 2 <b>M4</b><br><b>11.4 dBV/m</b> | Grid 3 <b>M4</b><br><b>9.79 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>9.63 dBV/m</b>  | Grid 5 <b>M4</b><br><b>8.59 dBV/m</b> | Grid 6 <b>M4</b><br><b>7.57 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>9.45 dBV/m</b>  | Grid 8 <b>M4</b><br><b>8.16 dBV/m</b> | Grid 9 <b>M4</b><br><b>8.28 dBV/m</b> |



## 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 = 7.432 V/m; Power Drift = 0.17 dB

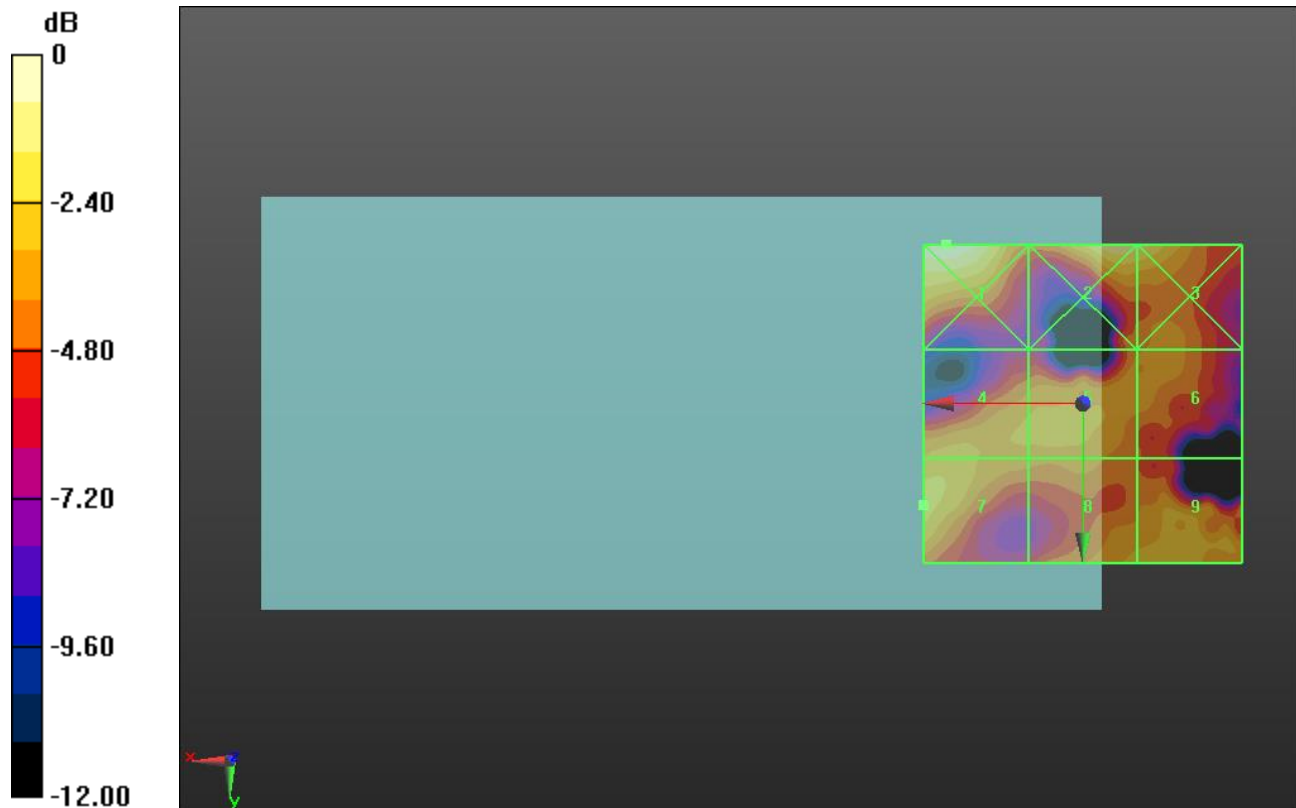
Applied MIF = -5.82 dB

RF audio interference level = 8.95 dBV/m

Emission category: **M4**

MIF scaled E-field

|                                        |                                        |                                       |
|----------------------------------------|----------------------------------------|---------------------------------------|
| Grid 1 <b>M4</b><br><b>11.05 dBV/m</b> | Grid 2 <b>M4</b><br><b>10.44 dBV/m</b> | Grid 3 <b>M4</b><br><b>10 dBV/m</b>   |
| Grid 4 <b>M4</b><br><b>8.24 dBV/m</b>  | Grid 5 <b>M4</b><br><b>8.35 dBV/m</b>  | Grid 6 <b>M4</b><br><b>7.64 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>8.95 dBV/m</b>  | Grid 8 <b>M4</b><br><b>8.28 dBV/m</b>  | Grid 9 <b>M4</b><br><b>8.46 dBV/m</b> |



0 dB = 3.567 V/m = 11.05 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 = 4.449 V/m; Power Drift = 0.04 dB

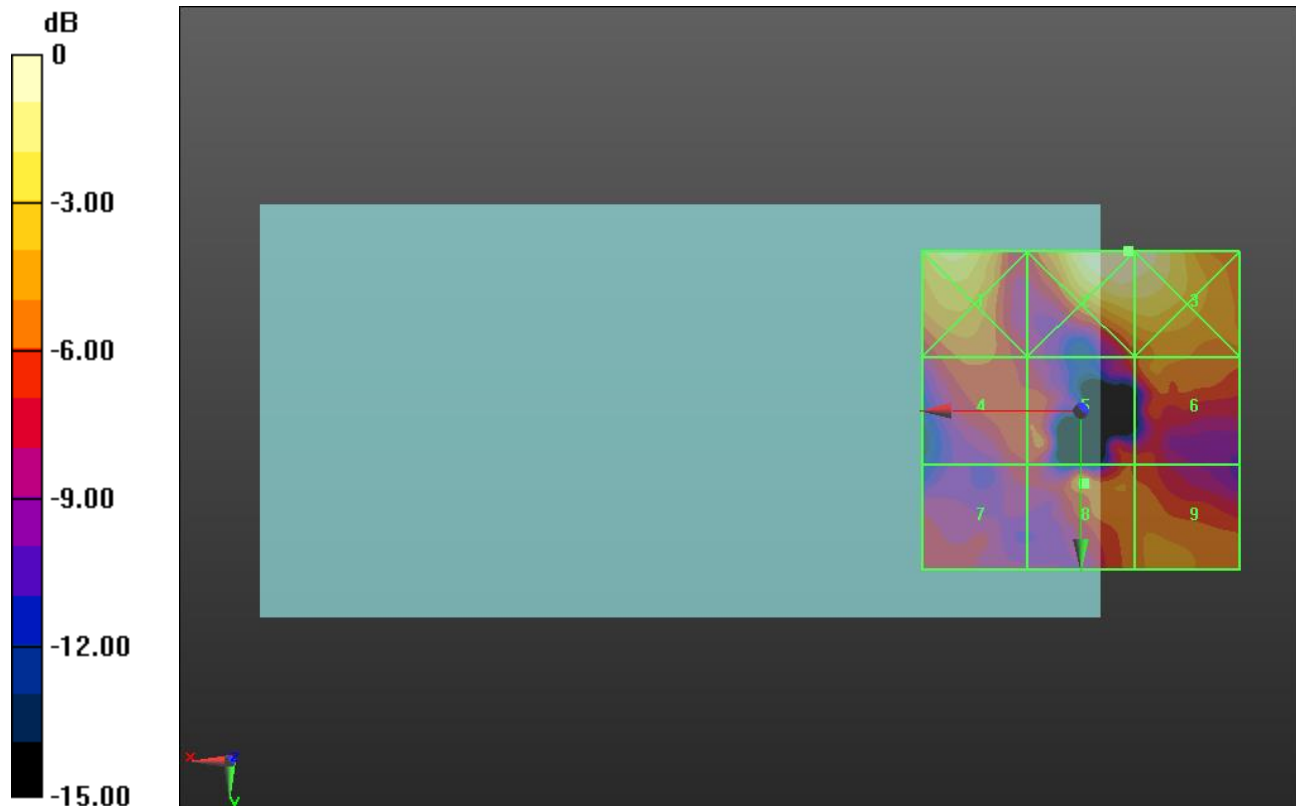
Applied MIF = -5.82 dB

RF audio interference level = 7.67 dBV/m

Emission category: **M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>10.67 dBV/m</b> | Grid 2 <b>M4</b><br><b>12.21 dBV/m</b> | Grid 3 <b>M4</b><br><b>12.14 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>6.58 dBV/m</b>  | Grid 5 <b>M4</b><br><b>6.62 dBV/m</b>  | Grid 6 <b>M4</b><br><b>7.41 dBV/m</b>  |
| Grid 7 <b>M4</b><br><b>5.01 dBV/m</b>  | Grid 8 <b>M4</b><br><b>7.67 dBV/m</b>  | Grid 9 <b>M4</b><br><b>7.51 dBV/m</b>  |



0 dB = 4.081 V/m = 12.22 dBV/m

## 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 = 4.287 V/m; Power Drift = 0.48 dB

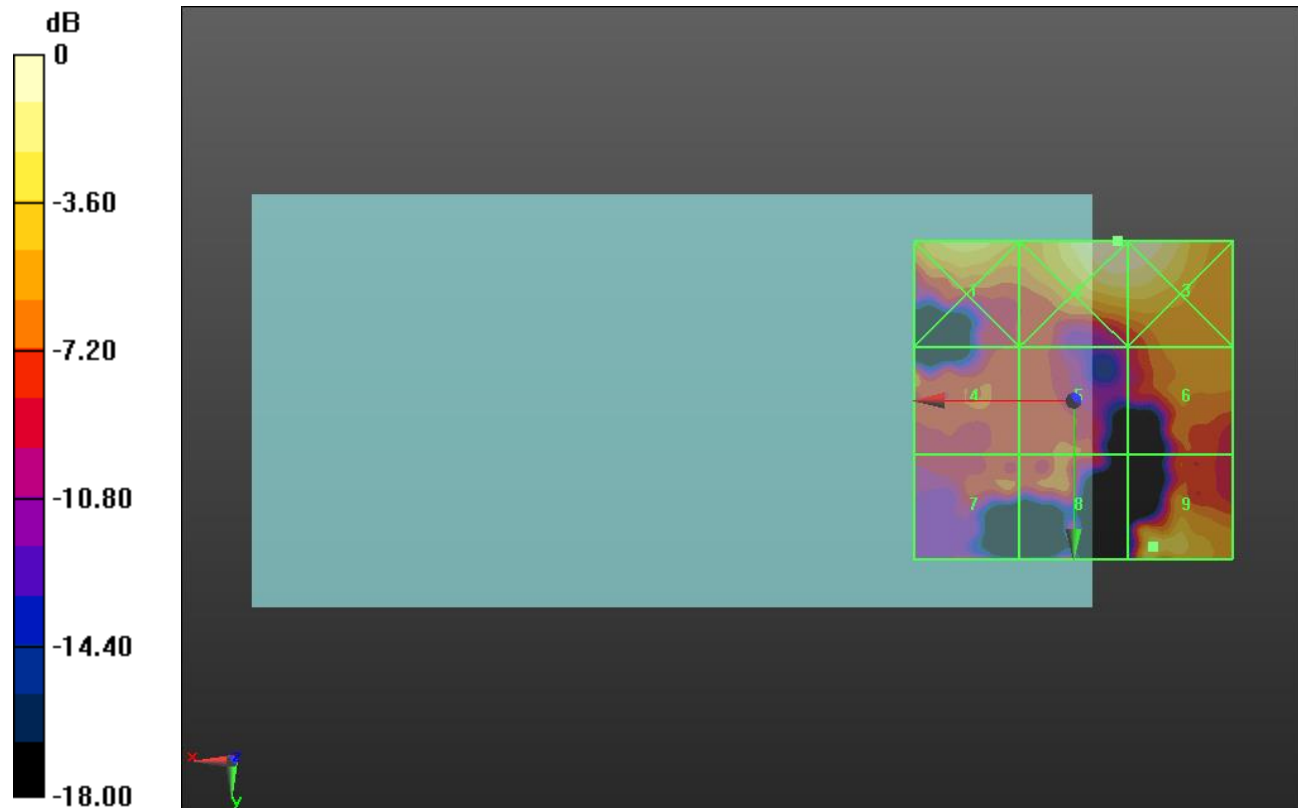
Applied MIF = -5.82 dB

RF audio interference level = 8.91 dBV/m

Emission category: **M4**

MIF scaled E-field

|                                       |                                       |                                       |
|---------------------------------------|---------------------------------------|---------------------------------------|
| Grid 1 <b>M4</b><br><b>8.5 dBV/m</b>  | Grid 2 <b>M4</b><br><b>11.3 dBV/m</b> | Grid 3 <b>M4</b><br><b>11.1 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>5.9 dBV/m</b>  | Grid 5 <b>M4</b><br><b>5.07 dBV/m</b> | Grid 6 <b>M4</b><br><b>6.51 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>4.56 dBV/m</b> | Grid 8 <b>M4</b><br><b>5.37 dBV/m</b> | Grid 9 <b>M4</b><br><b>8.91 dBV/m</b> |



0 dB = 3.674 V/m = 11.30 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 = 4.379 V/m; Power Drift = 0.10 dB

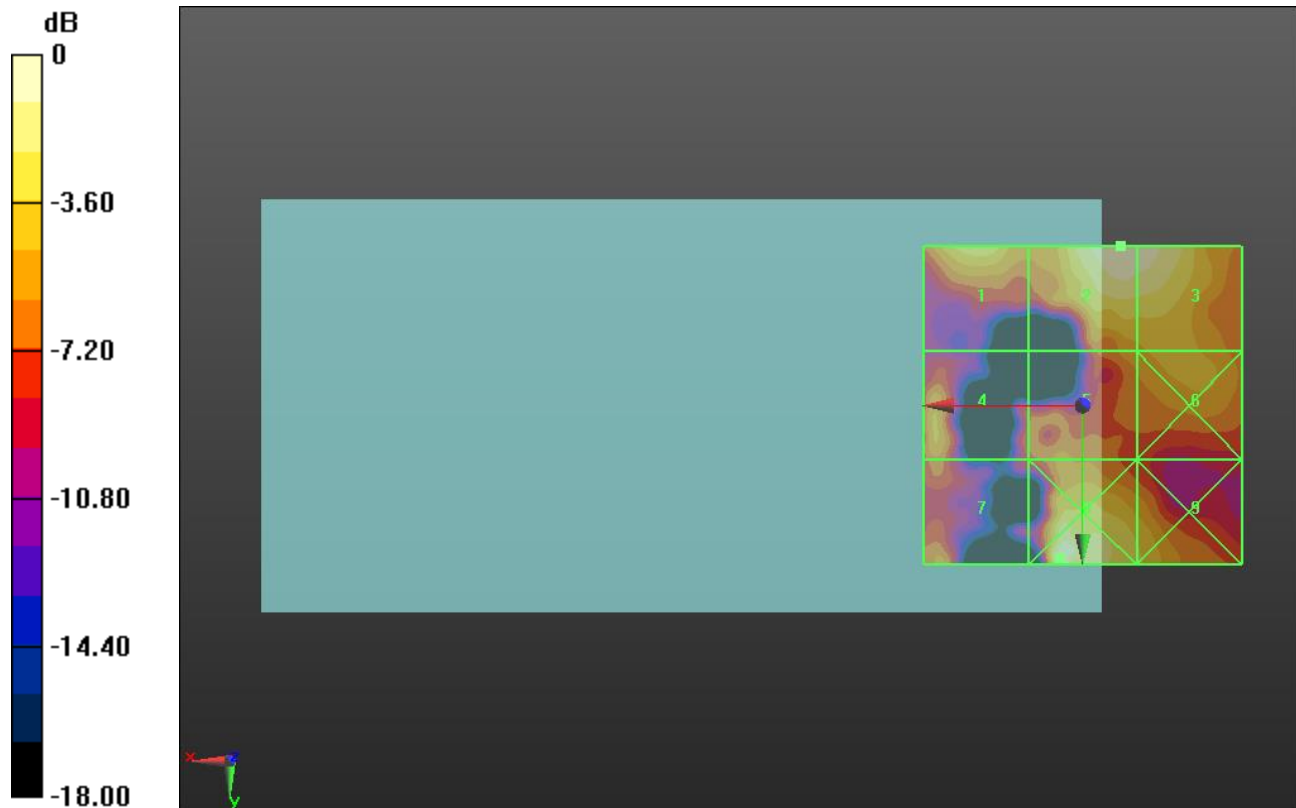
Applied MIF = -5.82 dB

RF audio interference level = 11.56 dBV/m

Emission category: **M4**

MIF scaled E-field

|                                       |                                        |                                        |
|---------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>9.15 dBV/m</b> | Grid 2 <b>M4</b><br><b>11.56 dBV/m</b> | Grid 3 <b>M4</b><br><b>11.27 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>7.1 dBV/m</b>  | Grid 5 <b>M4</b><br><b>6.5 dBV/m</b>   | Grid 6 <b>M4</b><br><b>7.34 dBV/m</b>  |
| Grid 7 <b>M4</b><br><b>6.13 dBV/m</b> | Grid 8 <b>M4</b><br><b>11.69 dBV/m</b> | Grid 9 <b>M4</b><br><b>8.34 dBV/m</b>  |



0 dB = 3.842 V/m = 11.69 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 = 4.573 V/m; Power Drift = -0.21 dB

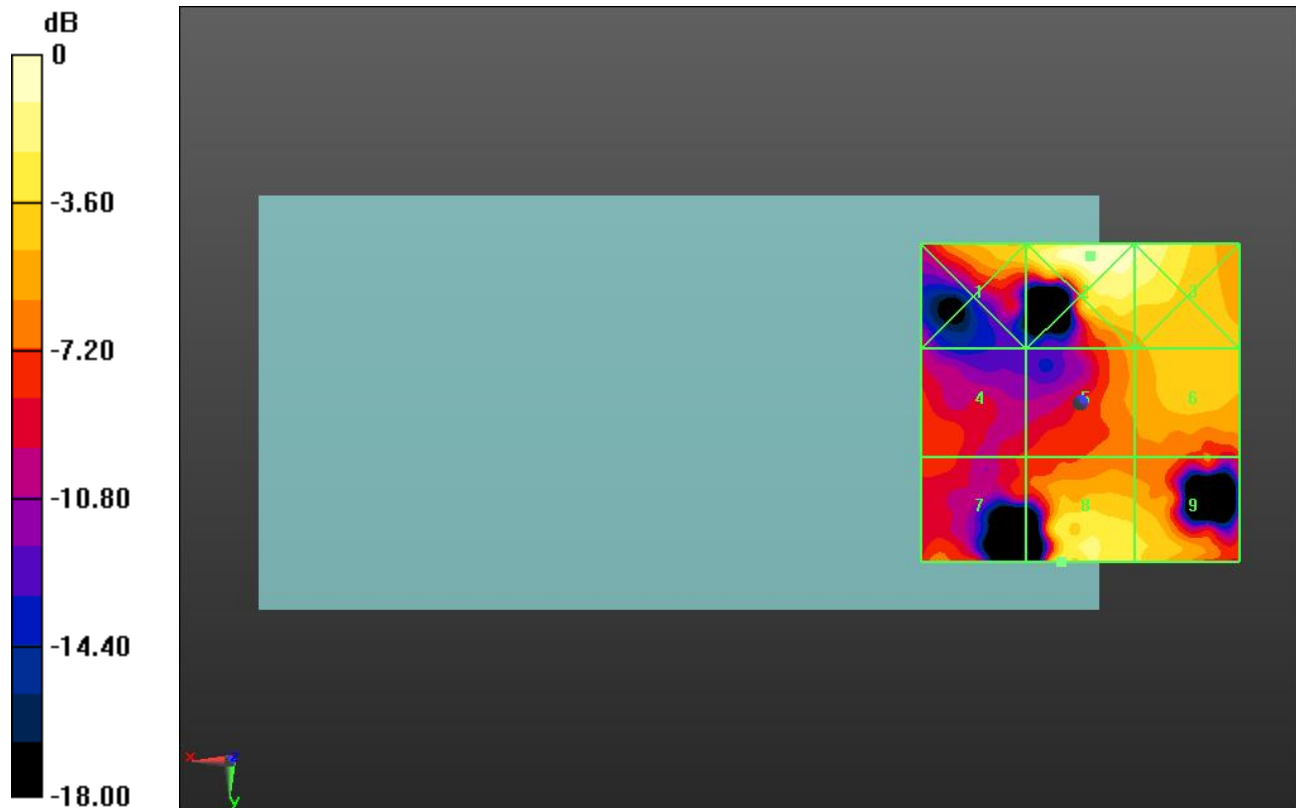
Applied MIF = -5.82 dB

RF audio interference level = 10.41 dBV/m

Emission category: **M4**

MIF scaled E-field

|                                       |                                        |                                        |
|---------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>8.67 dBV/m</b> | Grid 2 <b>M4</b><br><b>12.26 dBV/m</b> | Grid 3 <b>M4</b><br><b>11.43 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>4.66 dBV/m</b> | Grid 5 <b>M4</b><br><b>6.9 dBV/m</b>   | Grid 6 <b>M4</b><br><b>8.61 dBV/m</b>  |
| Grid 7 <b>M4</b><br><b>5.9 dBV/m</b>  | Grid 8 <b>M4</b><br><b>10.41 dBV/m</b> | Grid 9 <b>M4</b><br><b>8.99 dBV/m</b>  |



0 dB = 4.104 V/m = 12.26 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 = 4.533 V/m; Power Drift = -0.34 dB

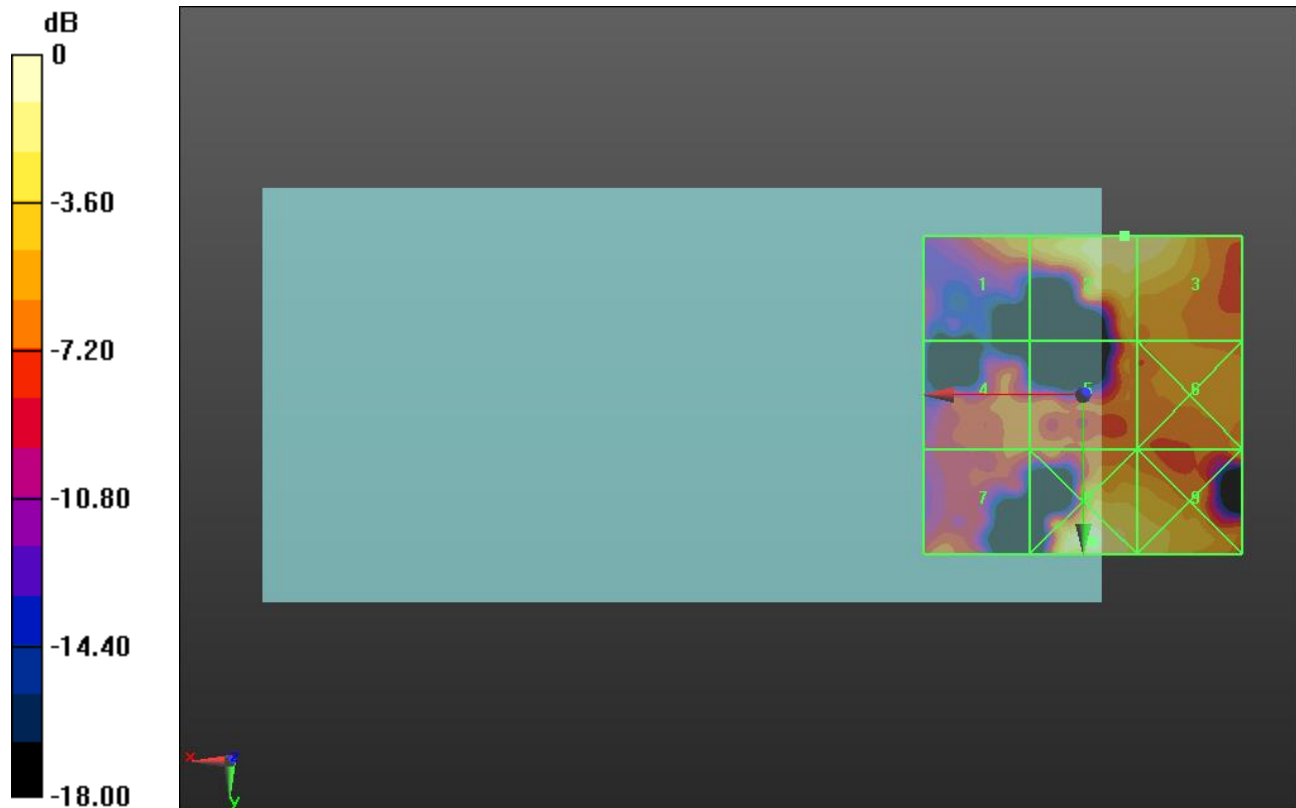
Applied MIF = -5.82 dB

RF audio interference level = 11.56 dBV/m

Emission category: **M4**

MIF scaled E-field

|                                       |                                        |                                        |
|---------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>7.67 dBV/m</b> | Grid 2 <b>M4</b><br><b>11.56 dBV/m</b> | Grid 3 <b>M4</b><br><b>11.56 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>6.32 dBV/m</b> | Grid 5 <b>M4</b><br><b>6.9 dBV/m</b>   | Grid 6 <b>M4</b><br><b>7.71 dBV/m</b>  |
| Grid 7 <b>M4</b><br><b>6.5 dBV/m</b>  | Grid 8 <b>M4</b><br><b>12.66 dBV/m</b> | Grid 9 <b>M4</b><br><b>10.23 dBV/m</b> |



0 dB = 4.297 V/m = 12.66 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 = 4.937 V/m; Power Drift = -0.20 dB

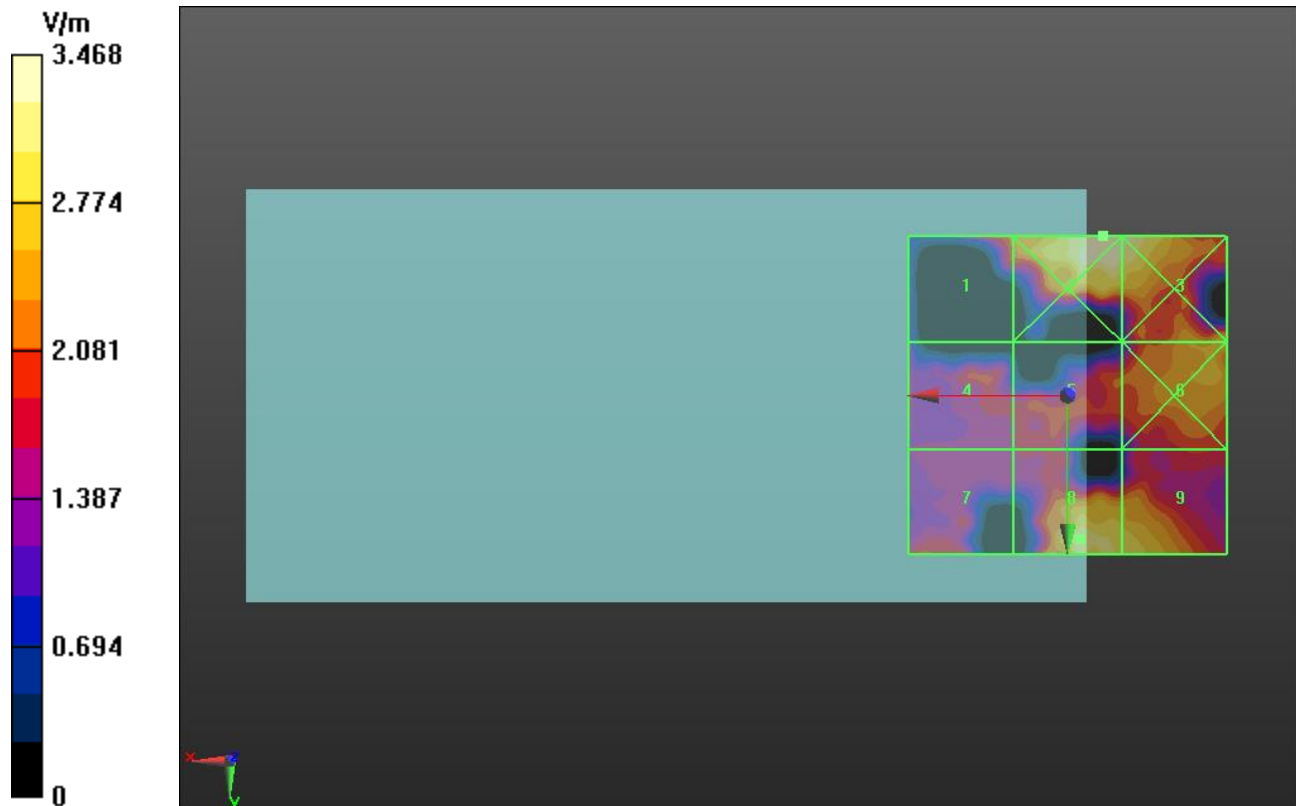
Applied MIF = -5.82 dB

RF audio interference level = 10.12 dBV/m

Emission category: **M4**

MIF scaled E-field

|                                |                                 |                                 |
|--------------------------------|---------------------------------|---------------------------------|
| Grid 1 <b>M4</b><br>7.29 dBV/m | Grid 2 <b>M4</b><br>10.8 dBV/m  | Grid 3 <b>M4</b><br>10.43 dBV/m |
| Grid 4 <b>M4</b><br>5.77 dBV/m | Grid 5 <b>M4</b><br>6.53 dBV/m  | Grid 6 <b>M4</b><br>9.03 dBV/m  |
| Grid 7 <b>M4</b><br>6.03 dBV/m | Grid 8 <b>M4</b><br>10.12 dBV/m | Grid 9 <b>M4</b><br>9.5 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 = 11.98 V/m; Power Drift = -0.09 dB

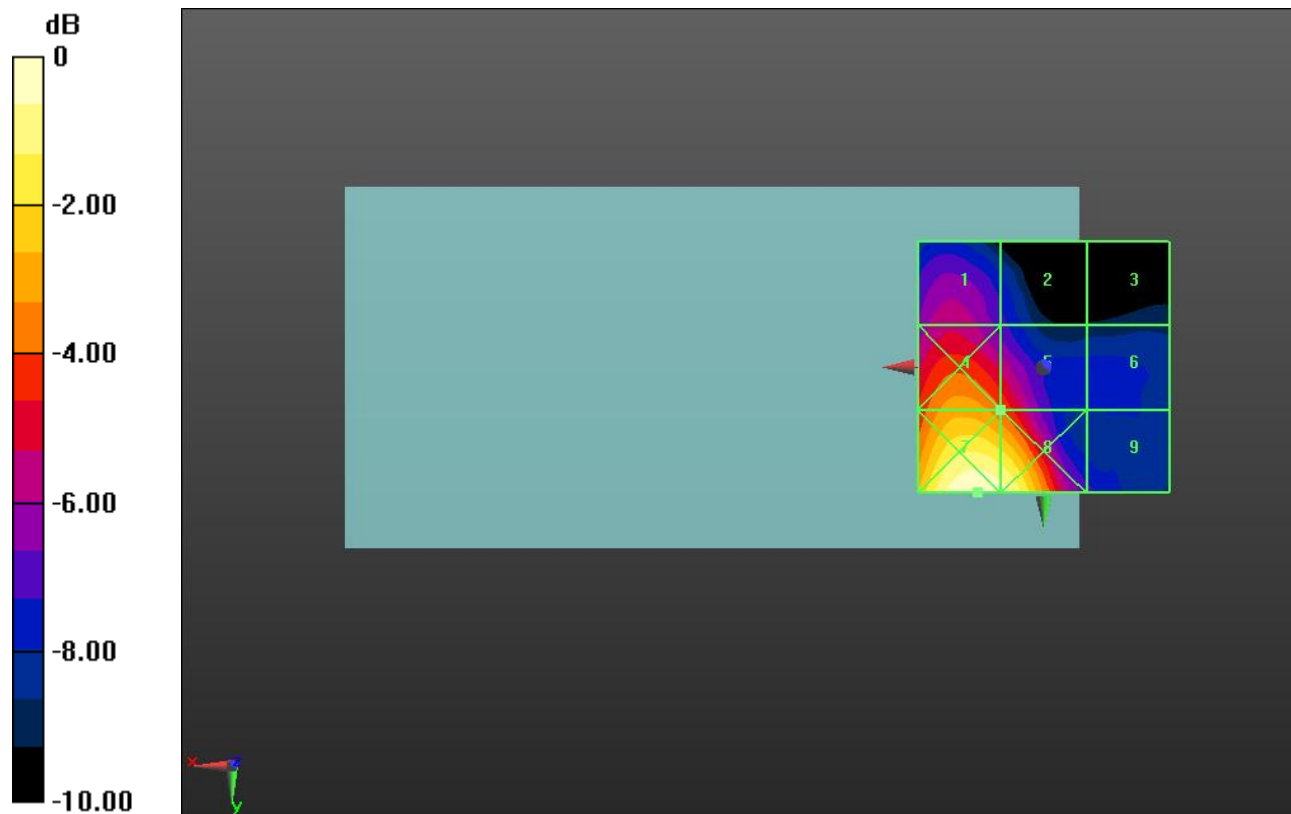
Applied MIF = -1.44 dB

RF audio interference level = 21.38 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>19.84 dBV/m</b> | Grid 2 <b>M4</b><br><b>18.27 dBV/m</b> | Grid 3 <b>M4</b><br><b>16.42 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>22.39 dBV/m</b> | Grid 5 <b>M4</b><br><b>21.38 dBV/m</b> | Grid 6 <b>M4</b><br><b>17.67 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>25.27 dBV/m</b> | Grid 8 <b>M4</b><br><b>24.9 dBV/m</b>  | Grid 9 <b>M4</b><br><b>18.37 dBV/m</b> |



0 dB = 18.35 V/m = 25.27 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 = 11.05 V/m; Power Drift = -0.08 dB

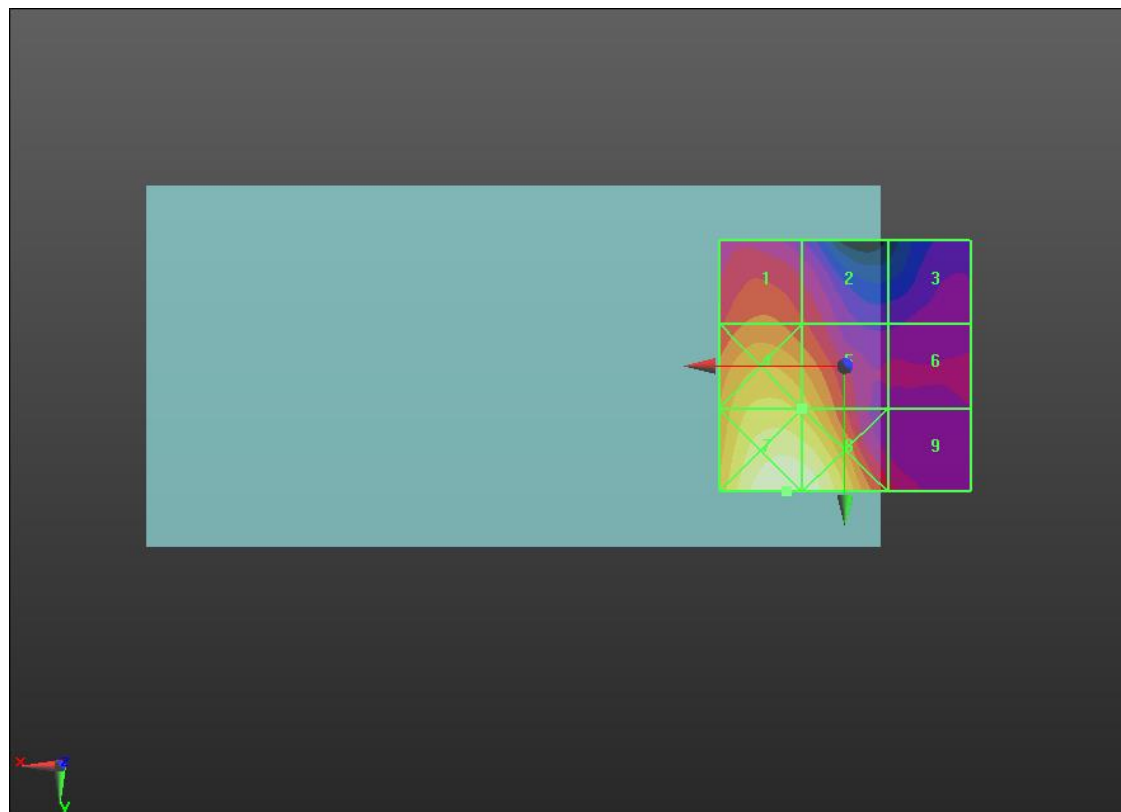
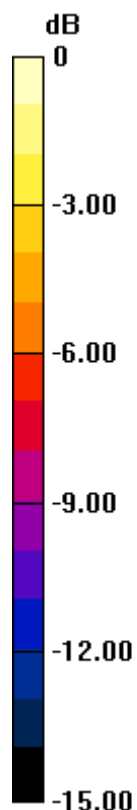
Applied MIF = -1.44 dB

RF audio interference level = 21.29 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>18.95 dBV/m</b> | Grid 2 <b>M4</b><br><b>17.89 dBV/m</b> | Grid 3 <b>M4</b><br><b>15.33 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>22.01 dBV/m</b> | Grid 5 <b>M4</b><br><b>21.29 dBV/m</b> | Grid 6 <b>M4</b><br><b>15.96 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>24.65 dBV/m</b> | Grid 8 <b>M4</b><br><b>24.45 dBV/m</b> | Grid 9 <b>M4</b><br><b>17.3 dBV/m</b>  |



0 dB = 17.09 V/m = 24.65 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 = 10.45 V/m; Power Drift = 0.12 dB

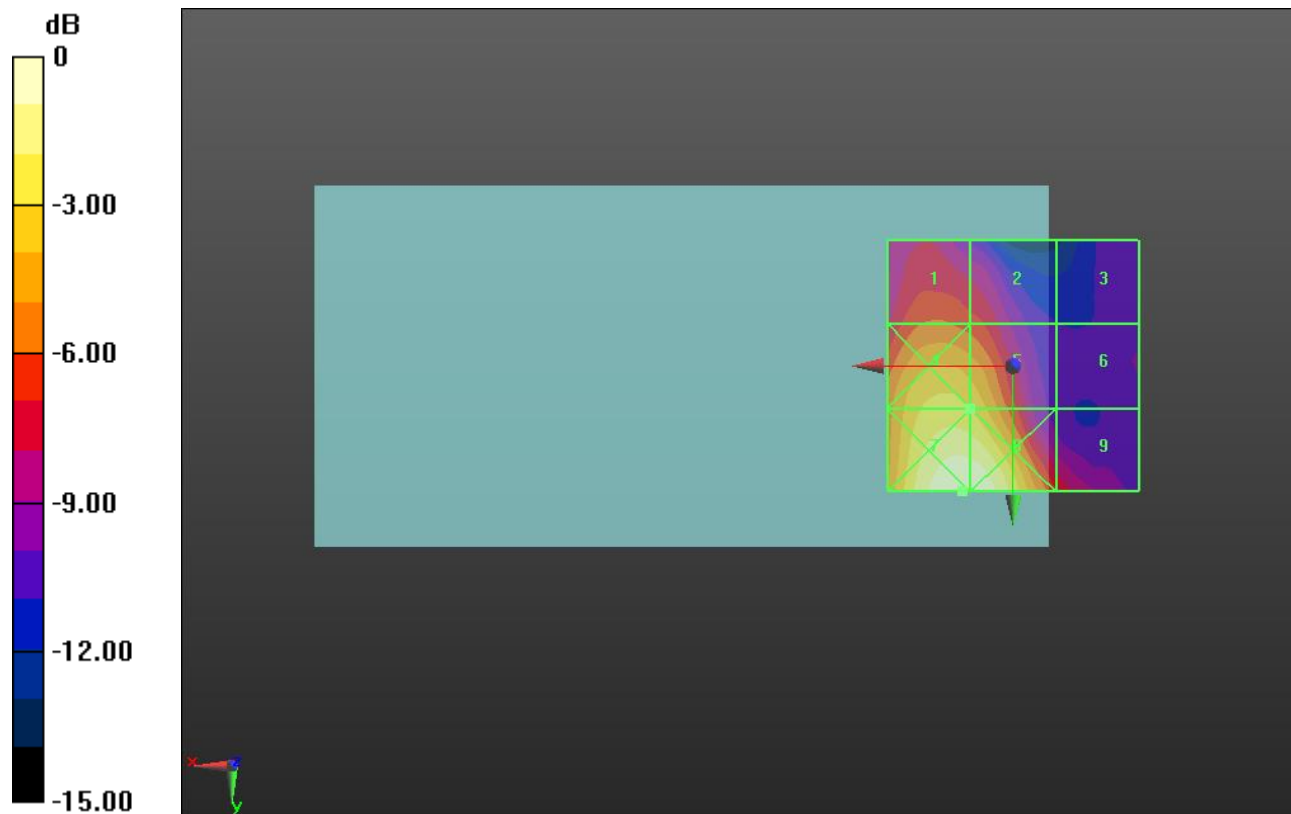
Applied MIF = -1.44 dB

RF audio interference level = 21.38 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>18.57 dBV/m</b> | Grid 2 <b>M4</b><br><b>17.89 dBV/m</b> | Grid 3 <b>M4</b><br><b>14.43 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>21.84 dBV/m</b> | Grid 5 <b>M4</b><br><b>21.38 dBV/m</b> | Grid 6 <b>M4</b><br><b>14.52 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>24.4 dBV/m</b>  | Grid 8 <b>M4</b><br><b>24.34 dBV/m</b> | Grid 9 <b>M4</b><br><b>17.55 dBV/m</b> |



0 dB = 16.59 V/m = 24.40 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 = 10.33 V/m; Power Drift = -0.03 dB

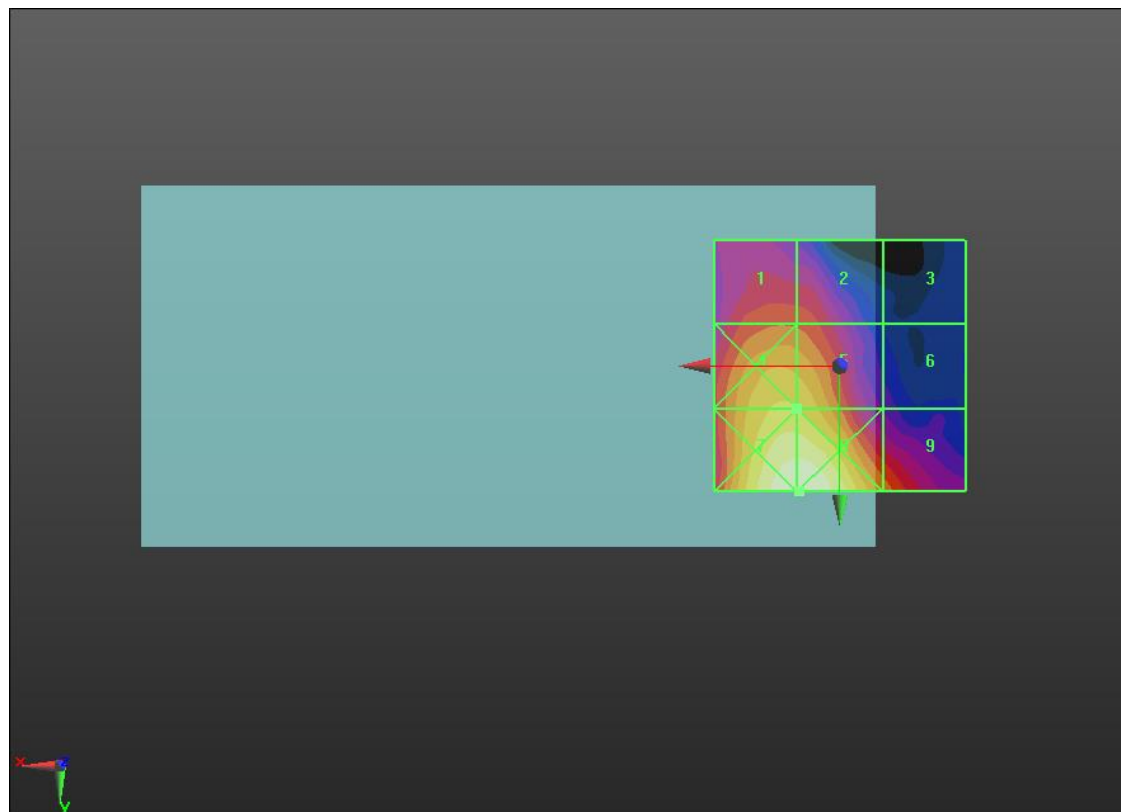
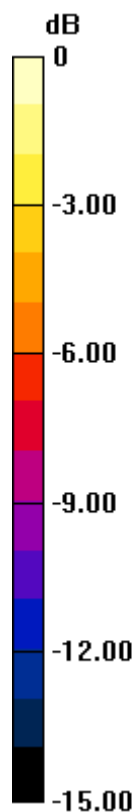
Applied MIF = -1.44 dB

RF audio interference level = 20.51 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>17.36 dBV/m</b> | Grid 2 <b>M4</b><br><b>17.22 dBV/m</b> | Grid 3 <b>M4</b><br><b>11.51 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>20.68 dBV/m</b> | Grid 5 <b>M4</b><br><b>20.51 dBV/m</b> | Grid 6 <b>M4</b><br><b>13.4 dBV/m</b>  |
| Grid 7 <b>M4</b><br><b>23.43 dBV/m</b> | Grid 8 <b>M4</b><br><b>23.44 dBV/m</b> | Grid 9 <b>M4</b><br><b>18.31 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: 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 = 51.53 V/m; Power Drift = -0.04 dB

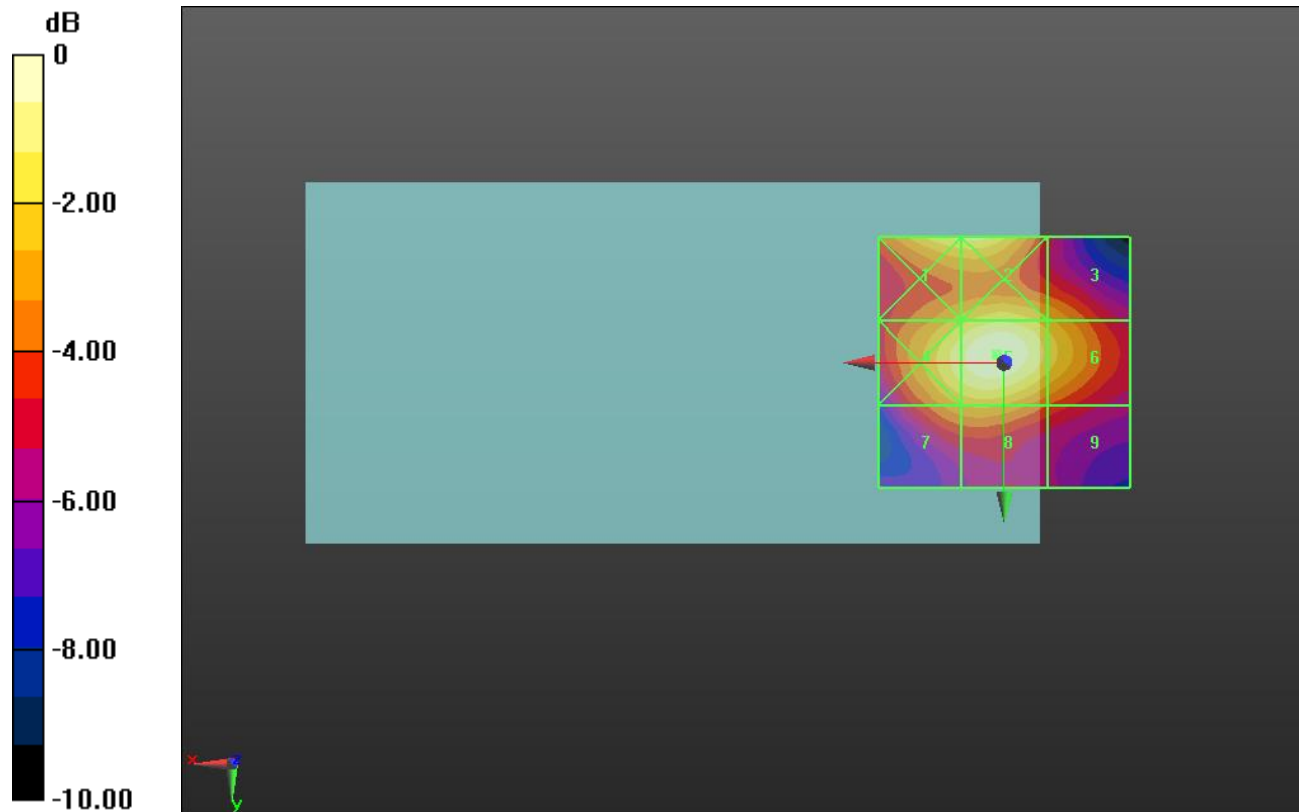
Applied MIF = -1.44 dB

RF audio interference level = 28.23 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>27.18 dBV/m</b> | Grid 2 <b>M4</b><br><b>27.26 dBV/m</b> | Grid 3 <b>M4</b><br><b>25.81 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>27.42 dBV/m</b> | Grid 5 <b>M4</b><br><b>28.23 dBV/m</b> | Grid 6 <b>M4</b><br><b>26.74 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>25.54 dBV/m</b> | Grid 8 <b>M4</b><br><b>25.76 dBV/m</b> | Grid 9 <b>M4</b><br><b>24.24 dBV/m</b> |



0 dB = 25.79 V/m = 28.23 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 = 52.46 V/m; Power Drift = -0.03 dB

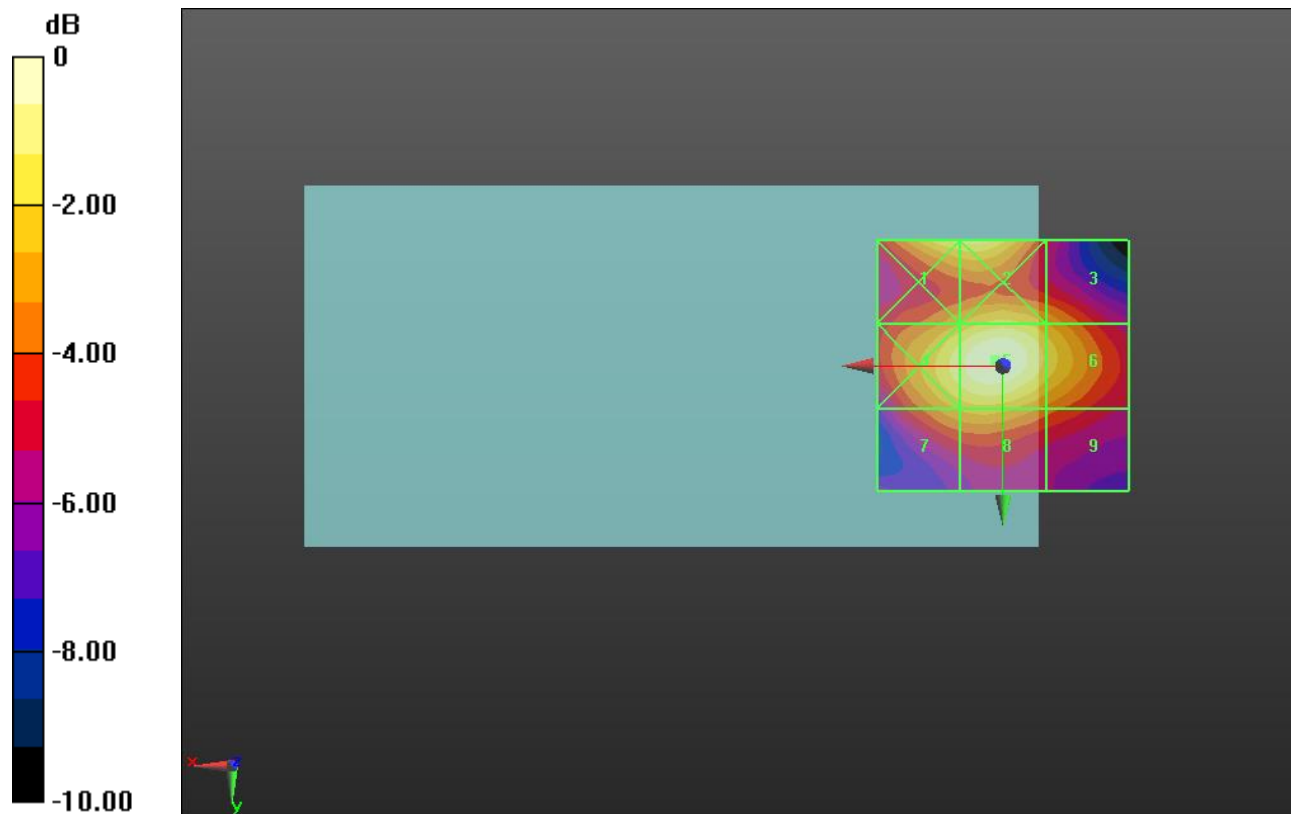
Applied MIF = -1.44 dB

RF audio interference level = 28.30 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                 |                                 |                                 |
|---------------------------------|---------------------------------|---------------------------------|
| Grid 1 <b>M4</b><br>27.26 dBV/m | Grid 2 <b>M4</b><br>27.37 dBV/m | Grid 3 <b>M4</b><br>25.69 dBV/m |
| Grid 4 <b>M4</b><br>27.44 dBV/m | Grid 5 <b>M4</b><br>28.3 dBV/m  | Grid 6 <b>M4</b><br>26.85 dBV/m |
| Grid 7 <b>M4</b><br>25.76 dBV/m | Grid 8 <b>M4</b><br>26.05 dBV/m | Grid 9 <b>M4</b><br>24.73 dBV/m |



0 dB = 26.01 V/m = 28.30 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 = 52.45 V/m; Power Drift = 0.06 dB

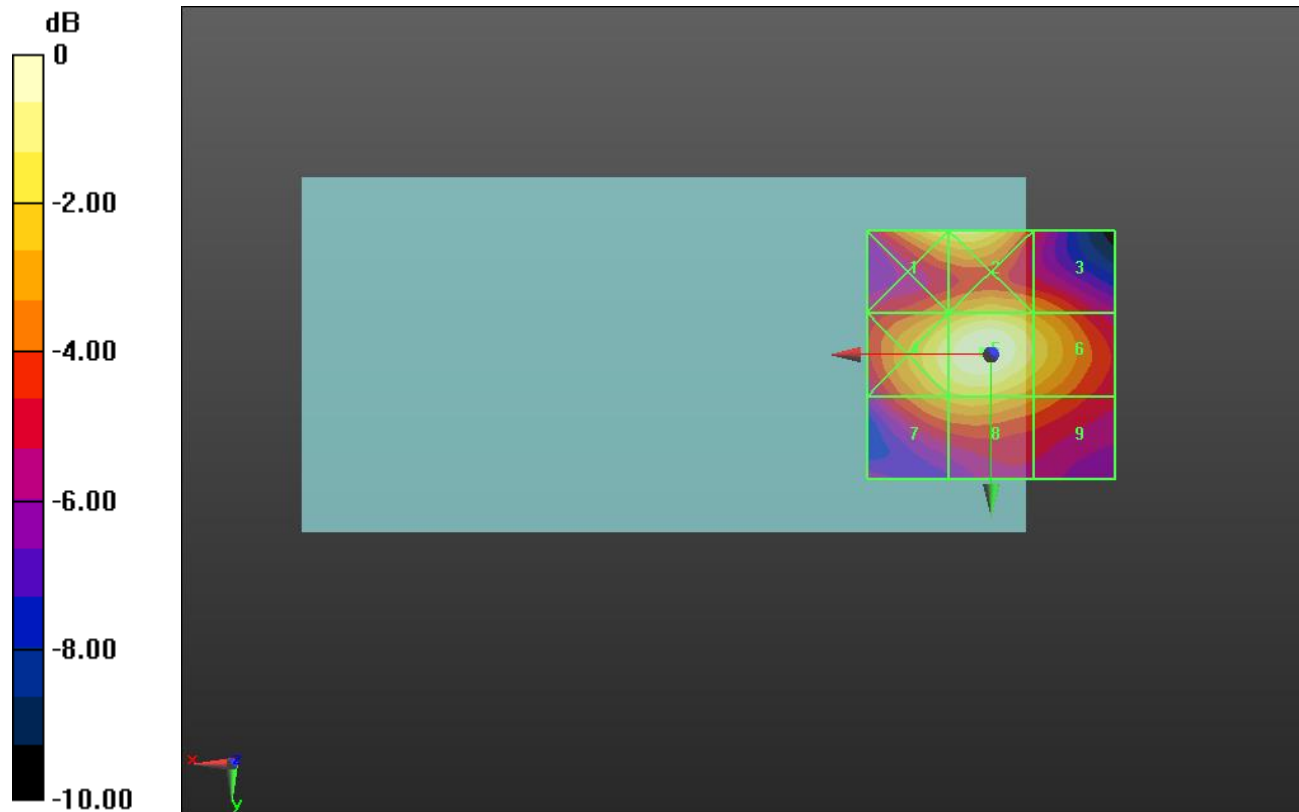
Applied MIF = -1.44 dB

RF audio interference level = 28.29 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>27.21 dBV/m</b> | Grid 2 <b>M4</b><br><b>27.37 dBV/m</b> | Grid 3 <b>M4</b><br><b>25.51 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>27.49 dBV/m</b> | Grid 5 <b>M4</b><br><b>28.29 dBV/m</b> | Grid 6 <b>M4</b><br><b>26.92 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>25.94 dBV/m</b> | Grid 8 <b>M4</b><br><b>26.27 dBV/m</b> | Grid 9 <b>M4</b><br><b>25.15 dBV/m</b> |



0 dB = 25.98 V/m = 28.29 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 = 53.28 V/m; Power Drift = -0.01 dB

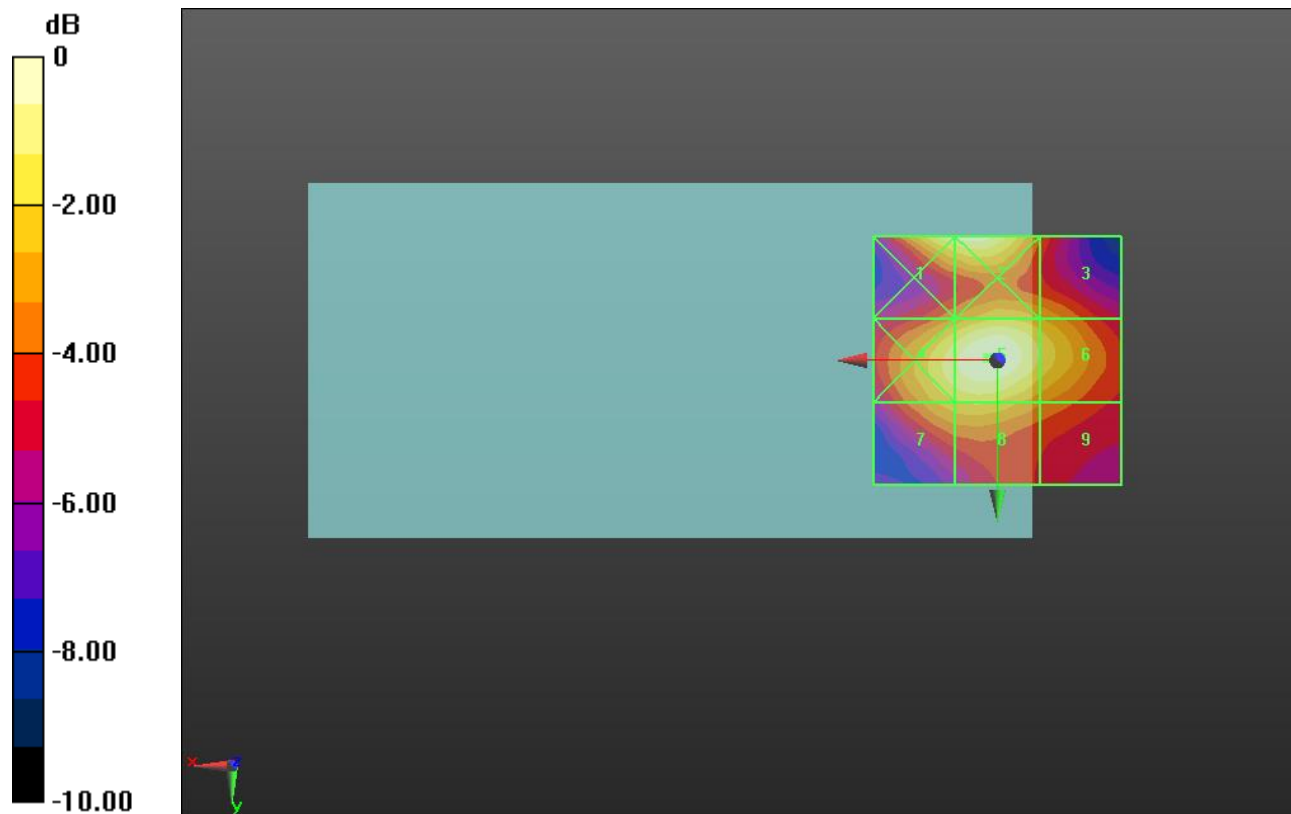
Applied MIF = -1.44 dB

RF audio interference level = 28.26 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                 |                                 |                                 |
|---------------------------------|---------------------------------|---------------------------------|
| Grid 1 <b>M4</b><br>27.75 dBV/m | Grid 2 <b>M4</b><br>27.97 dBV/m | Grid 3 <b>M4</b><br>25.65 dBV/m |
| Grid 4 <b>M4</b><br>27.49 dBV/m | Grid 5 <b>M4</b><br>28.26 dBV/m | Grid 6 <b>M4</b><br>26.9 dBV/m  |
| Grid 7 <b>M4</b><br>26.18 dBV/m | Grid 8 <b>M4</b><br>26.39 dBV/m | Grid 9 <b>M4</b><br>25.07 dBV/m |



0 dB = 25.89 V/m = 28.26 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 = 9.938 V/m; Power Drift = -0.13 dB

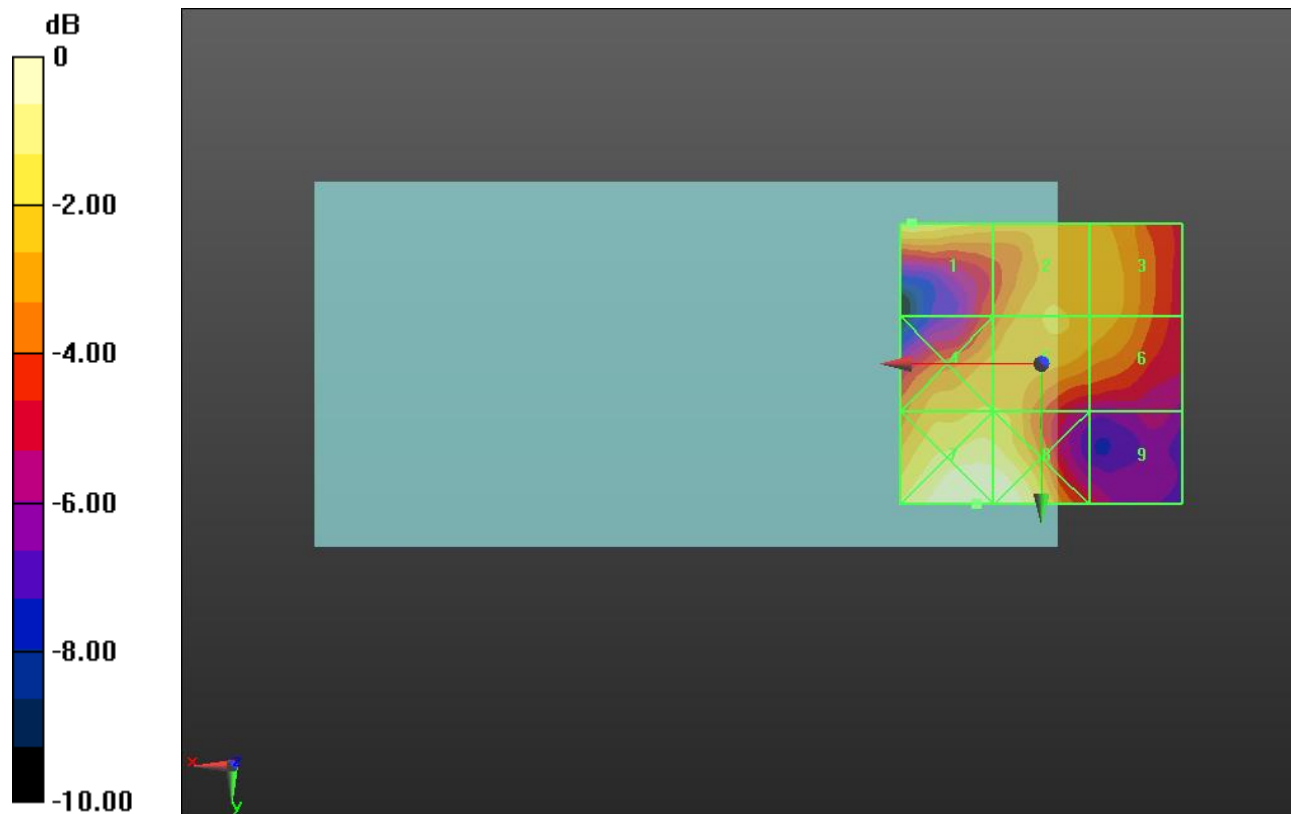
Applied MIF = -1.44 dB

RF audio interference level = 17.66 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>17.66 dBV/m</b> | Grid 2 <b>M4</b><br><b>16.98 dBV/m</b> | Grid 3 <b>M4</b><br><b>16.75 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>16.98 dBV/m</b> | Grid 5 <b>M4</b><br><b>16.99 dBV/m</b> | Grid 6 <b>M4</b><br><b>16.72 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>18.92 dBV/m</b> | Grid 8 <b>M4</b><br><b>18.86 dBV/m</b> | Grid 9 <b>M4</b><br><b>14.12 dBV/m</b> |



0 dB = 8.830 V/m = 18.92 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 = 10.03 V/m; Power Drift = -0.09 dB

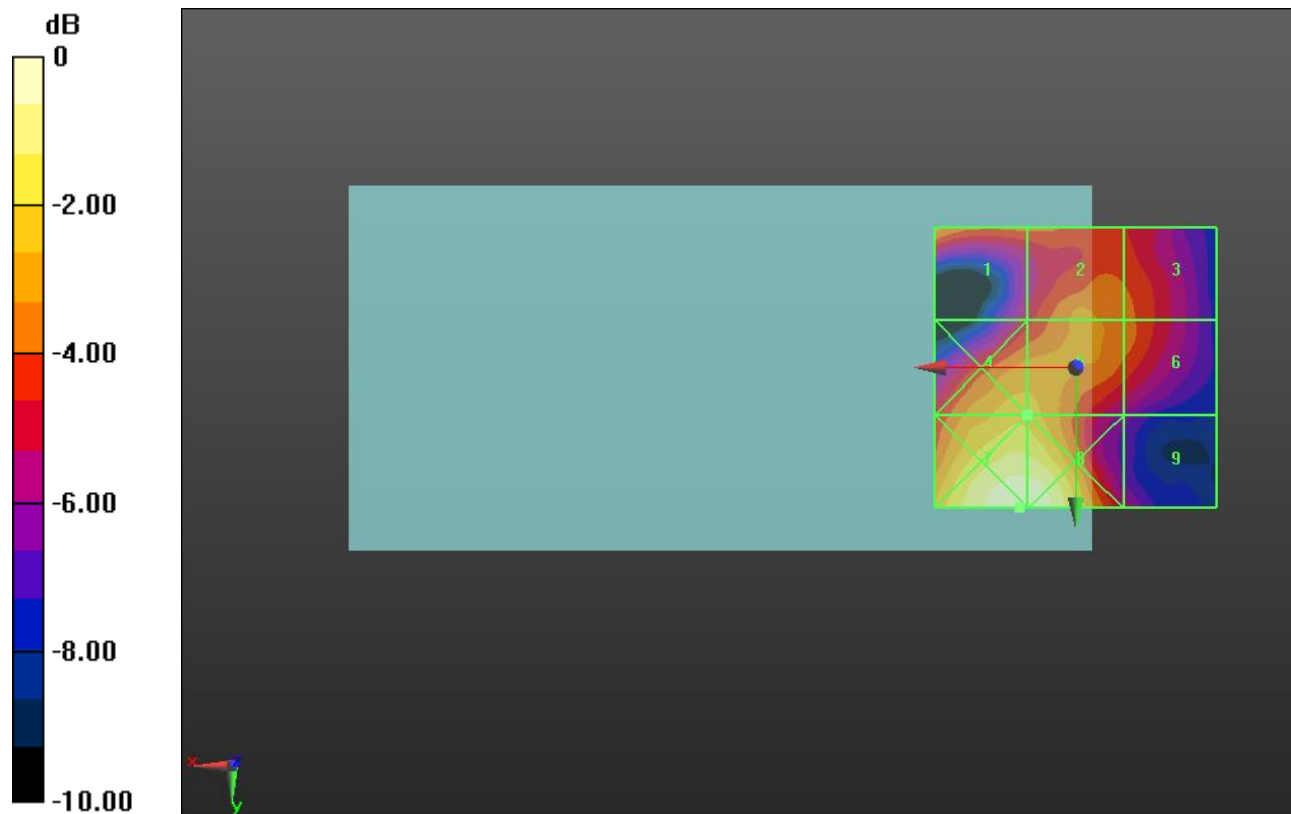
Applied MIF = -1.44 dB

RF audio interference level = 17.53 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>16.96 dBV/m</b> | Grid 2 <b>M4</b><br><b>16.65 dBV/m</b> | Grid 3 <b>M4</b><br><b>16.14 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>17.61 dBV/m</b> | Grid 5 <b>M4</b><br><b>17.53 dBV/m</b> | Grid 6 <b>M4</b><br><b>16.19 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>19.81 dBV/m</b> | Grid 8 <b>M4</b><br><b>19.75 dBV/m</b> | Grid 9 <b>M4</b><br><b>14.34 dBV/m</b> |



0 dB = 9.783 V/m = 19.81 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 = 11.17 V/m; Power Drift = -0.11 dB

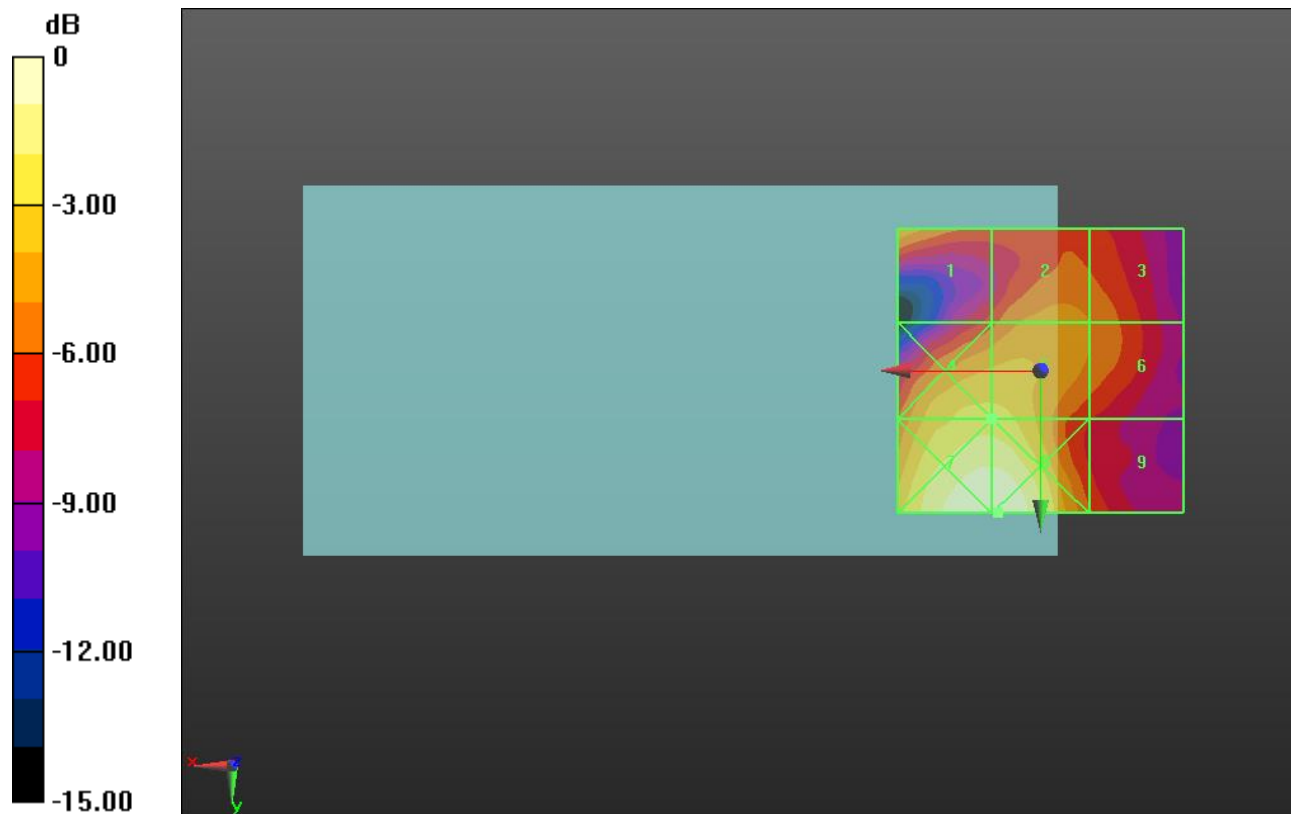
Applied MIF = -1.44 dB

RF audio interference level = 18.66 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>17.02 dBV/m</b> | Grid 2 <b>M4</b><br><b>16.62 dBV/m</b> | Grid 3 <b>M4</b><br><b>16.21 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>18.7 dBV/m</b>  | Grid 5 <b>M4</b><br><b>18.66 dBV/m</b> | Grid 6 <b>M4</b><br><b>16.26 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>21.17 dBV/m</b> | Grid 8 <b>M4</b><br><b>21.19 dBV/m</b> | Grid 9 <b>M4</b><br><b>15.46 dBV/m</b> |



0 dB = 11.47 V/m = 21.19 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 = 11.67 V/m; Power Drift = -0.11 dB

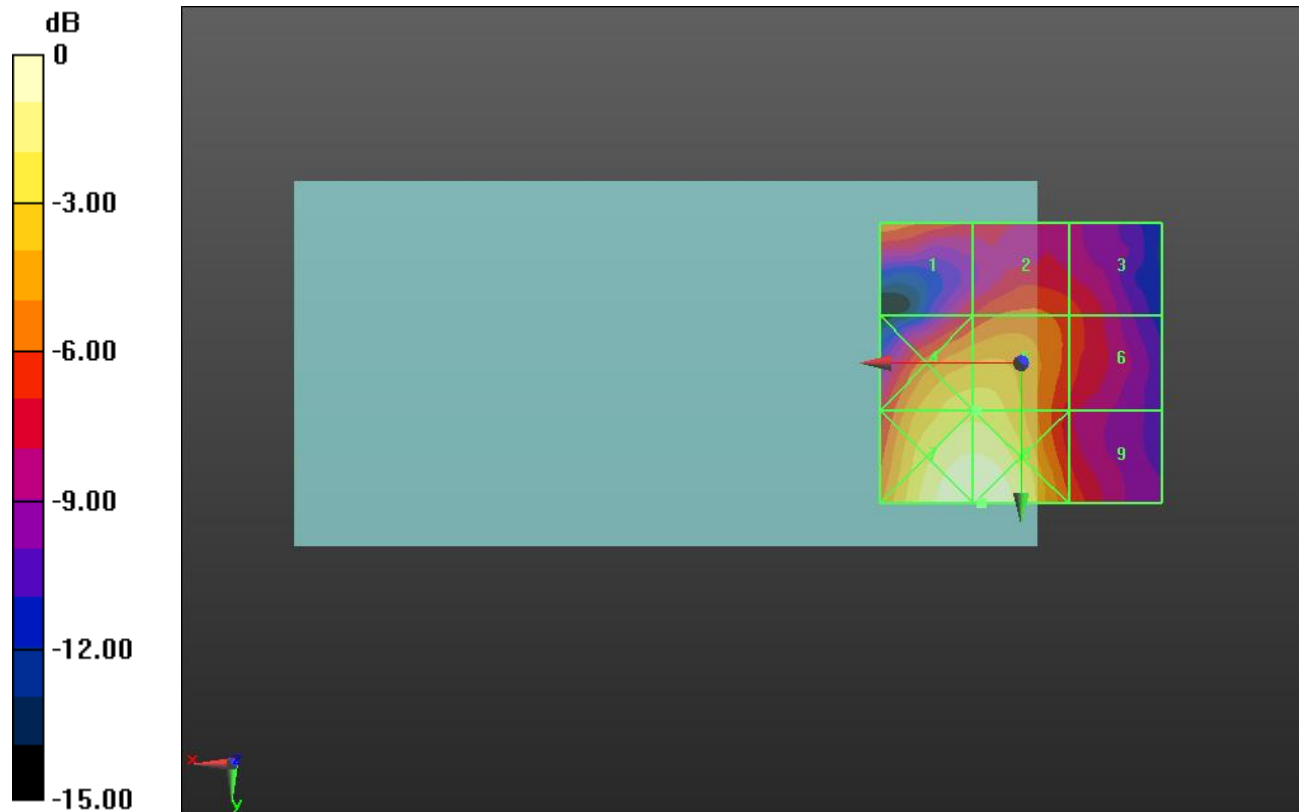
Applied MIF = -1.44 dB

RF audio interference level = 19.94 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>16.55 dBV/m</b> | Grid 3 <b>M4</b><br><b>15.77 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>19.94 dBV/m</b> | Grid 5 <b>M4</b><br><b>19.94 dBV/m</b> | Grid 6 <b>M4</b><br><b>15.96 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>22.21 dBV/m</b> | Grid 8 <b>M4</b><br><b>22.24 dBV/m</b> | Grid 9 <b>M4</b><br><b>16.38 dBV/m</b> |



0 dB = 12.95 V/m = 22.25 dBV/m