

HAC-RF Emission UAT

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: ER3DV6 - SN2509; ConvF(1, 1, 1); Calibrated: 5/12/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/14/2016
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

GSM850 E-Field measurement/Voice_ch 128/Hearing Aid Compatibility Test

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 69.19 V/m; Power Drift = -0.00 dB

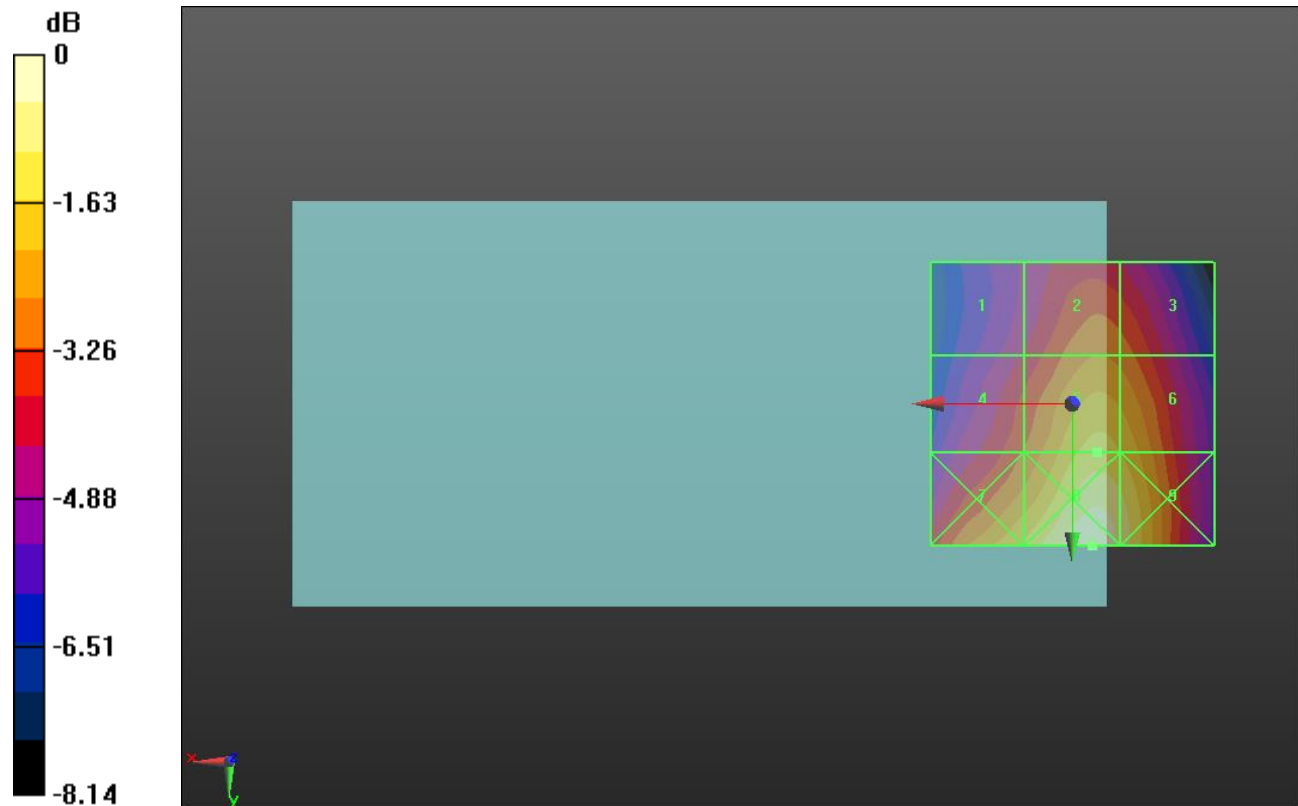
Applied MIF = 3.63 dB

RF audio interference level = 38.33 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 35.45 dBV/m	Grid 2 M4 37 dBV/m	Grid 3 M4 36.8 dBV/m
Grid 4 M4 36.51 dBV/m	Grid 5 M4 38.33 dBV/m	Grid 6 M4 38.08 dBV/m
Grid 7 M4 38.22 dBV/m	Grid 8 M4 39.7 dBV/m	Grid 9 M4 39.02 dBV/m



0 dB = 96.61 V/m = 39.70 dBV/m

HAC-RF Emission UAT

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: ER3DV6 - SN2509; ConvF(1, 1, 1); Calibrated: 5/12/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/14/2016
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

GSM850 E-Field measurement/Voice_ch 190/Hearing Aid Compatibility Test

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 67.79 V/m; Power Drift = 0.05 dB

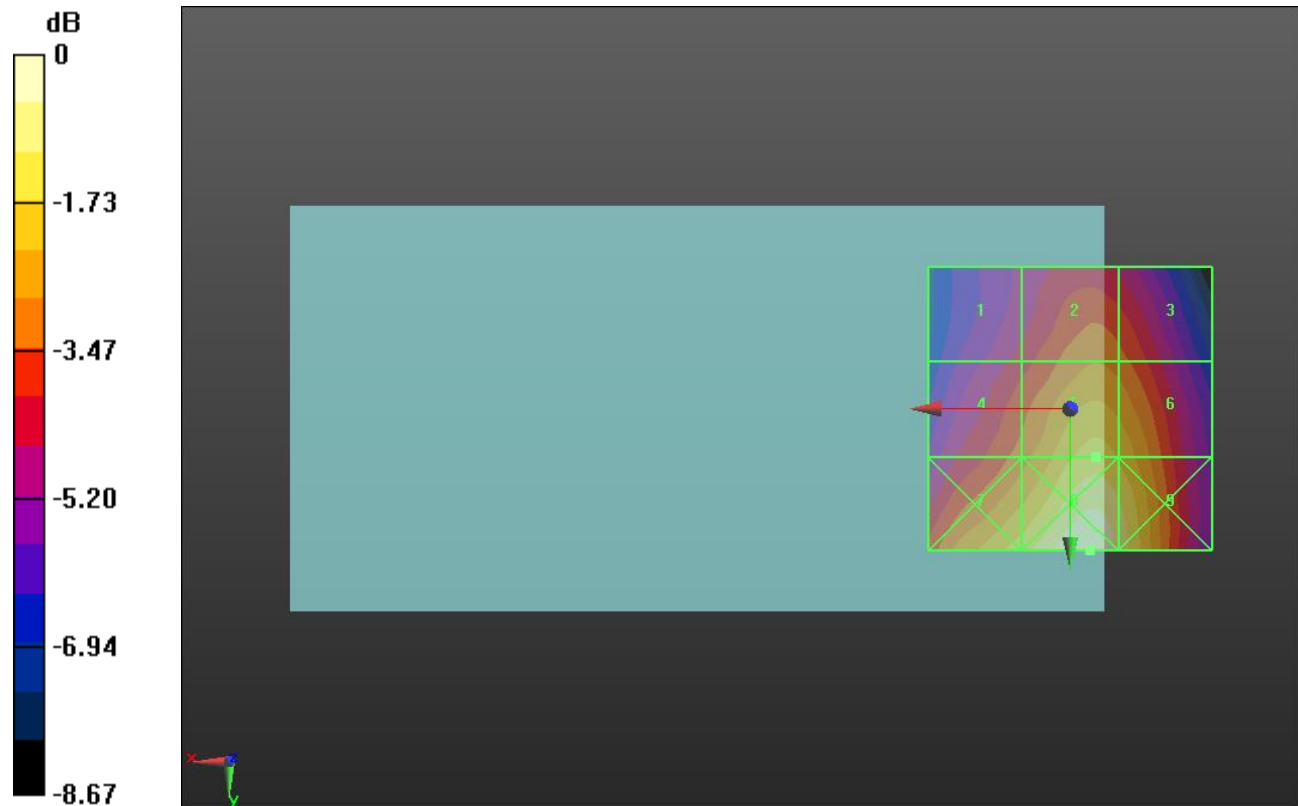
Applied MIF = 3.63 dB

RF audio interference level = 38.27 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 35.39 dBV/m	Grid 2 M4 36.79 dBV/m	Grid 3 M4 36.51 dBV/m
Grid 4 M4 36.58 dBV/m	Grid 5 M4 38.27 dBV/m	Grid 6 M4 37.93 dBV/m
Grid 7 M4 38.36 dBV/m	Grid 8 M4 39.7 dBV/m	Grid 9 M4 39.01 dBV/m



0 dB = 96.64 V/m = 39.70 dBV/m

HAC-RF Emission UAT

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: ER3DV6 - SN2509; ConvF(1, 1, 1); Calibrated: 5/12/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/14/2016
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

GSM850 E-Field measurement/Voice_ch 251/Hearing Aid Compatibility Test

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 64.19 V/m; Power Drift = 0.05 dB

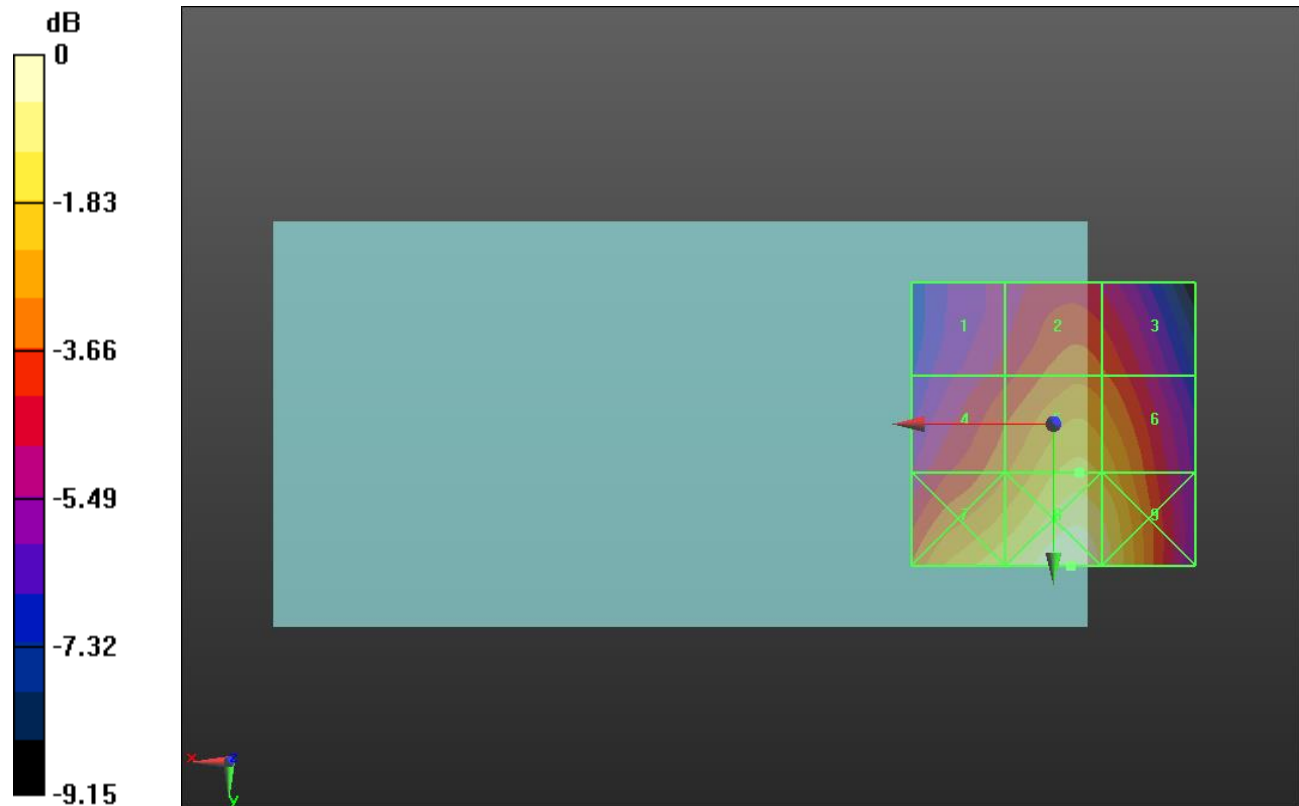
Applied MIF = 3.63 dB

RF audio interference level = 37.88 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 34.96 dBV/m	Grid 2 M4 36.27 dBV/m	Grid 3 M4 35.96 dBV/m
Grid 4 M4 36.33 dBV/m	Grid 5 M4 37.88 dBV/m	Grid 6 M4 37.5 dBV/m
Grid 7 M4 38.25 dBV/m	Grid 8 M4 39.44 dBV/m	Grid 9 M4 38.7 dBV/m



0 dB = 93.74 V/m = 39.44 dBV/m

HAC-RF Emission UAT

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: ER3DV6 - SN2509; ConvF(1, 1, 1); Calibrated: 5/12/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/14/2016
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

GSM1900 E-Field measurement/Voice_ch 512/Hearing Aid Compatibility Test

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 19.35 V/m; Power Drift = -0.07 dB

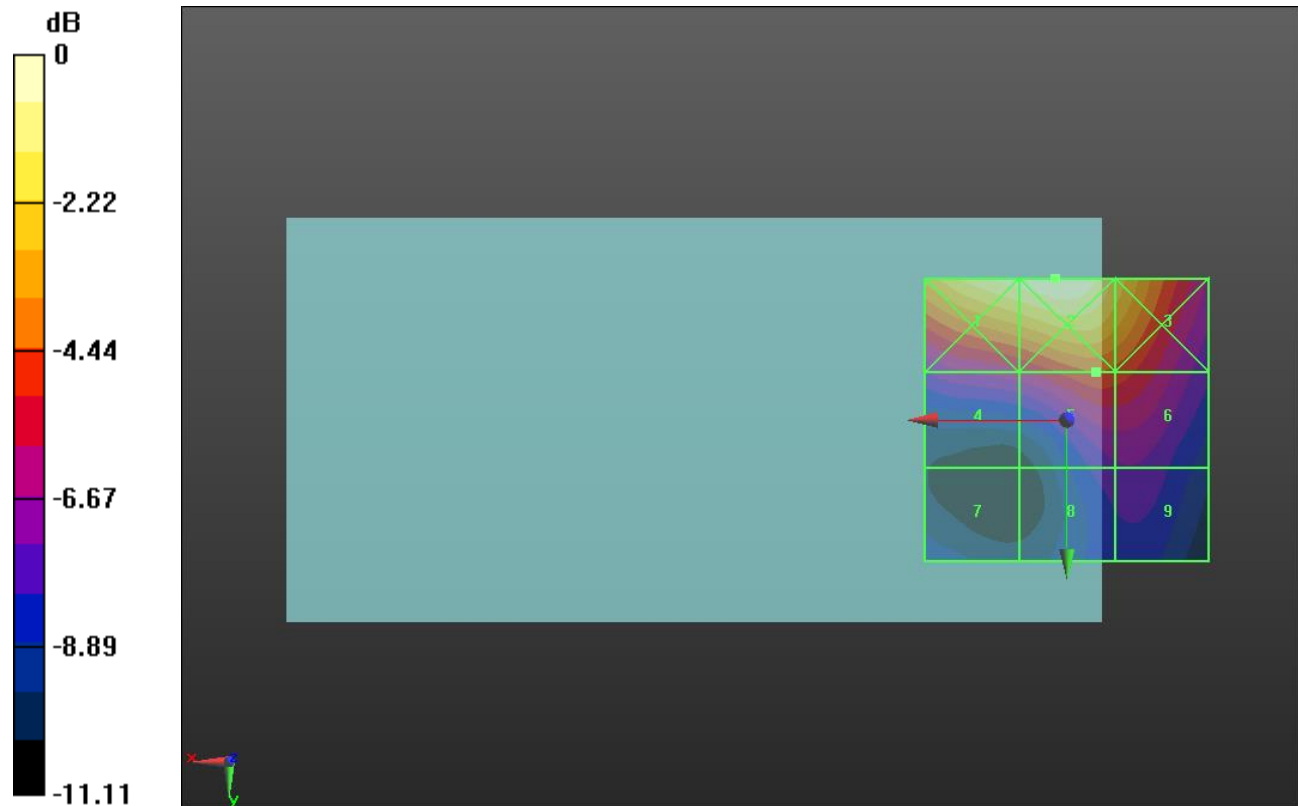
Applied MIF = 3.63 dB

RF audio interference level = 29.70 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M3 33.87 dBV/m	Grid 2 M3 34.12 dBV/m	Grid 3 M3 32.48 dBV/m
Grid 4 M4 28.08 dBV/m	Grid 5 M4 29.7 dBV/m	Grid 6 M4 29.46 dBV/m
Grid 7 M4 24.95 dBV/m	Grid 8 M4 26.6 dBV/m	Grid 9 M4 26.69 dBV/m



0 dB = 50.84 V/m = 34.12 dBV/m

HAC-RF Emission UAT

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: ER3DV6 - SN2509; ConvF(1, 1, 1); Calibrated: 5/12/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/14/2016
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

GSM1900 E-Field measurement/Voice_ch 661/Hearing Aid Compatibility Test

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 20.42 V/m; Power Drift = 0.04 dB

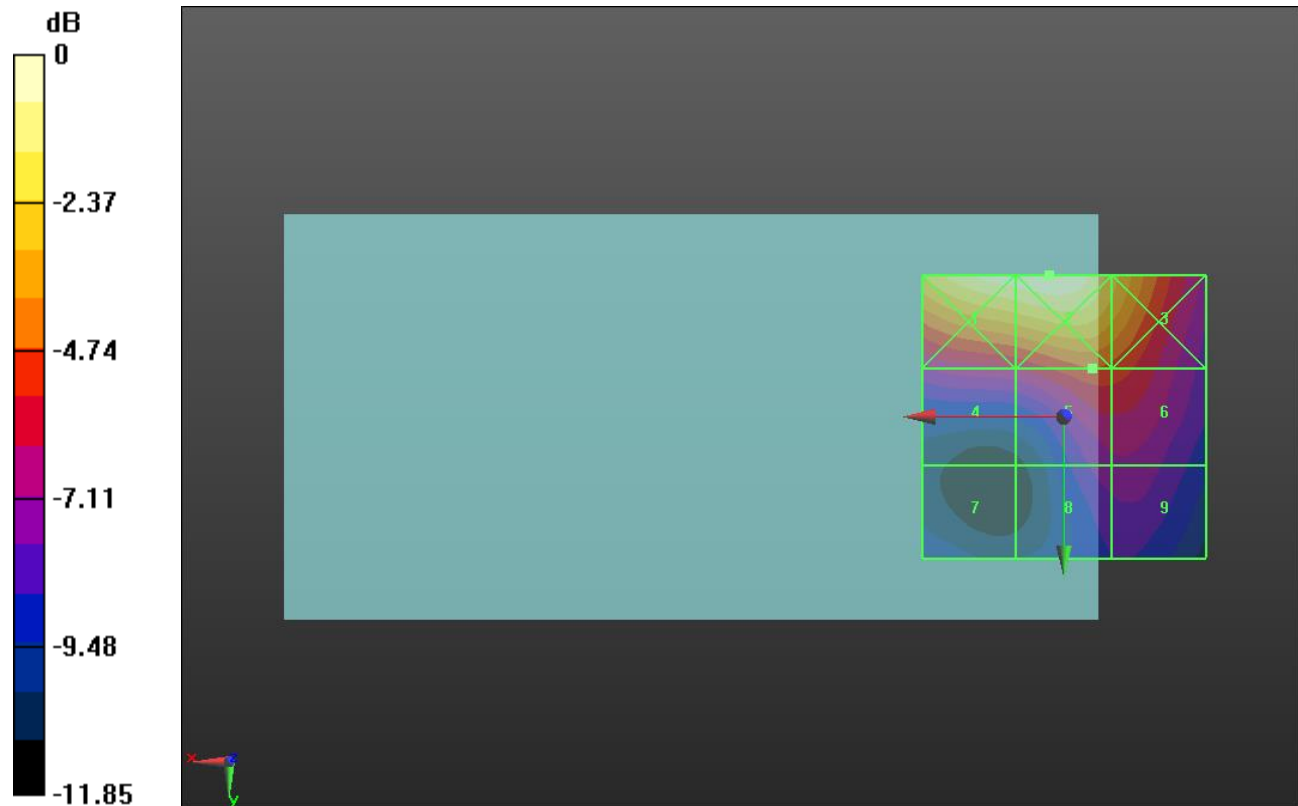
Applied MIF = 3.63 dB

RF audio interference level = 29.71 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M3 34.36 dBV/m	Grid 2 M3 34.48 dBV/m	Grid 3 M3 32.53 dBV/m
Grid 4 M4 28.21 dBV/m	Grid 5 M4 29.71 dBV/m	Grid 6 M4 29.49 dBV/m
Grid 7 M4 24.83 dBV/m	Grid 8 M4 27.15 dBV/m	Grid 9 M4 27.23 dBV/m



0 dB = 52.99 V/m = 34.48 dBV/m

HAC-RF Emission UAT

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: ER3DV6 - SN2509; ConvF(1, 1, 1); Calibrated: 5/12/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/14/2016
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

GSM1900 E-Field measurement/Voice_ch 810/Hearing Aid Compatibility Test

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 21.44 V/m; Power Drift = -0.02 dB

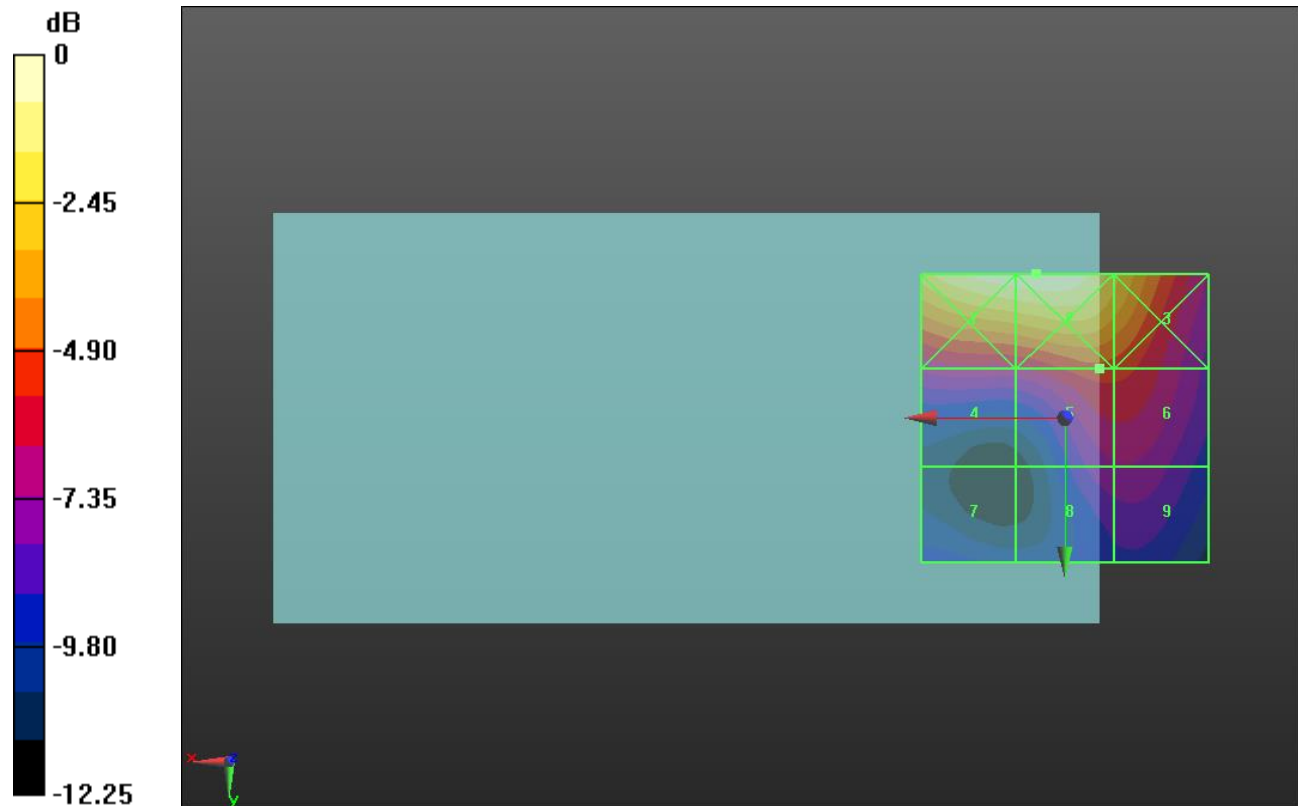
Applied MIF = 3.63 dB

RF audio interference level = 29.45 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M3 34.48 dBV/m	Grid 2 M3 34.61 dBV/m	Grid 3 M3 32.5 dBV/m
Grid 4 M4 27.92 dBV/m	Grid 5 M4 29.45 dBV/m	Grid 6 M4 29.34 dBV/m
Grid 7 M4 25.26 dBV/m	Grid 8 M4 27.18 dBV/m	Grid 9 M4 27.25 dBV/m



0 dB = 53.76 V/m = 34.61 dBV/m

HAC-RF Emission UAT

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: ER3DV6 - SN2509; ConvF(1, 1, 1); Calibrated: 5/12/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/14/2016
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

LTE Band 41 E-Field measurement/LTE TDD_16QAM_RB 1/50_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 = 20.53 V/m; Power Drift = -0.10 dB

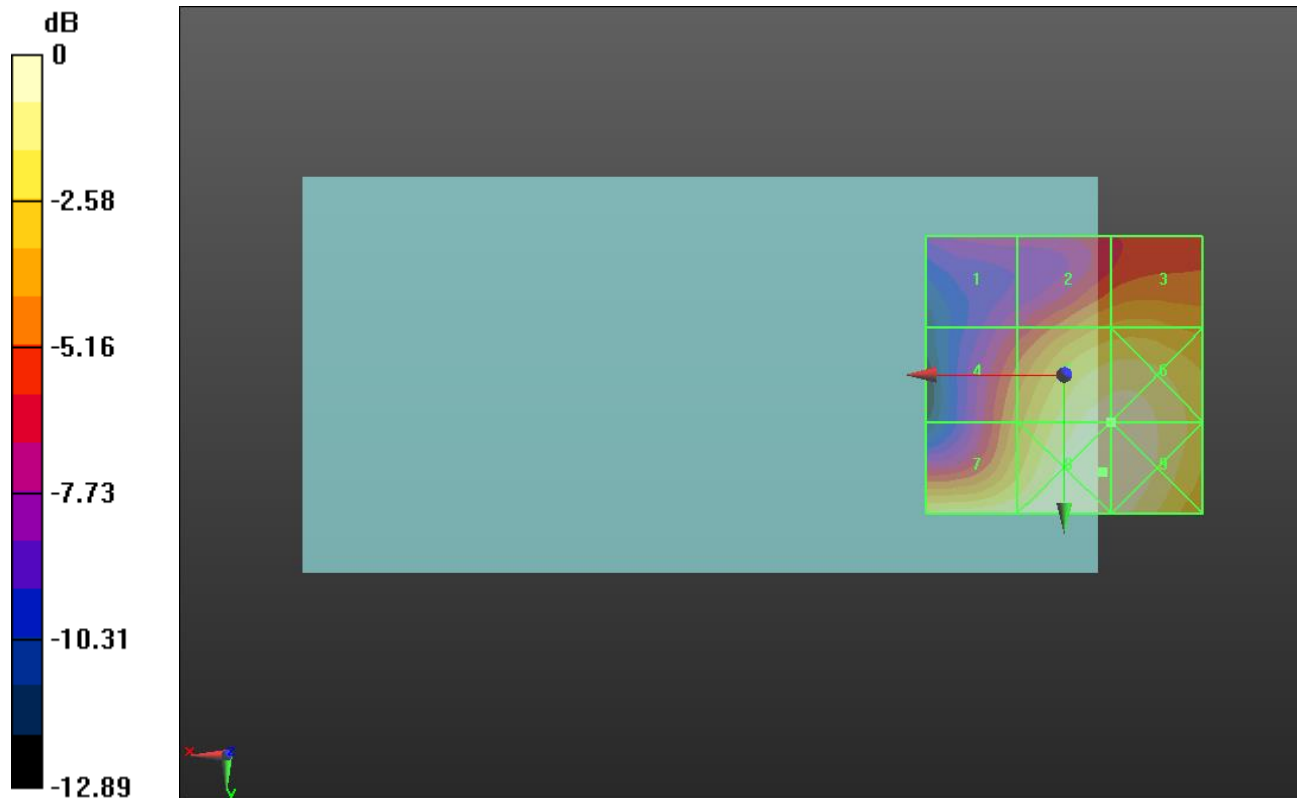
Applied MIF = -1.44 dB

RF audio interference level = 23.95 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 17.54 dBV/m	Grid 2 M4 21.15 dBV/m	Grid 3 M4 21.33 dBV/m
Grid 4 M4 20.5 dBV/m	Grid 5 M4 23.95 dBV/m	Grid 6 M4 23.97 dBV/m
Grid 7 M4 23.74 dBV/m	Grid 8 M4 24.33 dBV/m	Grid 9 M4 24.3 dBV/m



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

HAC-RF Emission UAT

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: ER3DV6 - SN2509; ConvF(1, 1, 1); Calibrated: 5/12/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/14/2016
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

LTE Band 41 E-Field measurement/LTE TDD_16QAM_RB 1/50_ch 40185/Hearing Aid Compatibility Test (101x101x1):

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 19.07 V/m; Power Drift = 0.01 dB

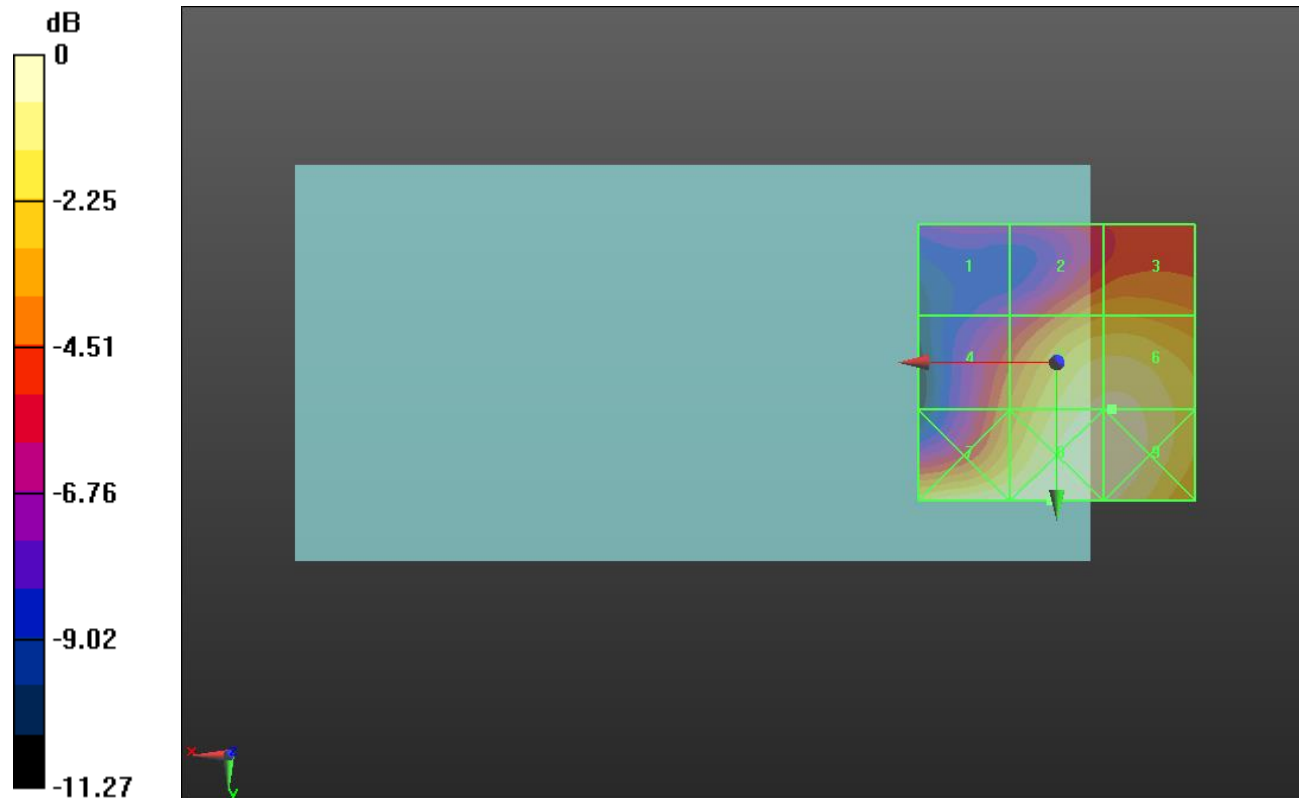
Applied MIF = -1.44 dB

RF audio interference level = 23.34 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 17.23 dBV/m	Grid 2 M4 20.78 dBV/m	Grid 3 M4 20.89 dBV/m
Grid 4 M4 20.27 dBV/m	Grid 5 M4 23.32 dBV/m	Grid 6 M4 23.34 dBV/m
Grid 7 M4 23.58 dBV/m	Grid 8 M4 23.86 dBV/m	Grid 9 M4 23.7 dBV/m



0 dB = 15.60 V/m = 23.86 dBV/m

HAC-RF Emission UAT

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: ER3DV6 - SN2509; ConvF(1, 1, 1); Calibrated: 5/12/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/14/2016
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

LTE Band 41 E-Field measurement/LTE TDD_16QAM_RB 1/50_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 = 17.46 V/m; Power Drift = 0.02 dB

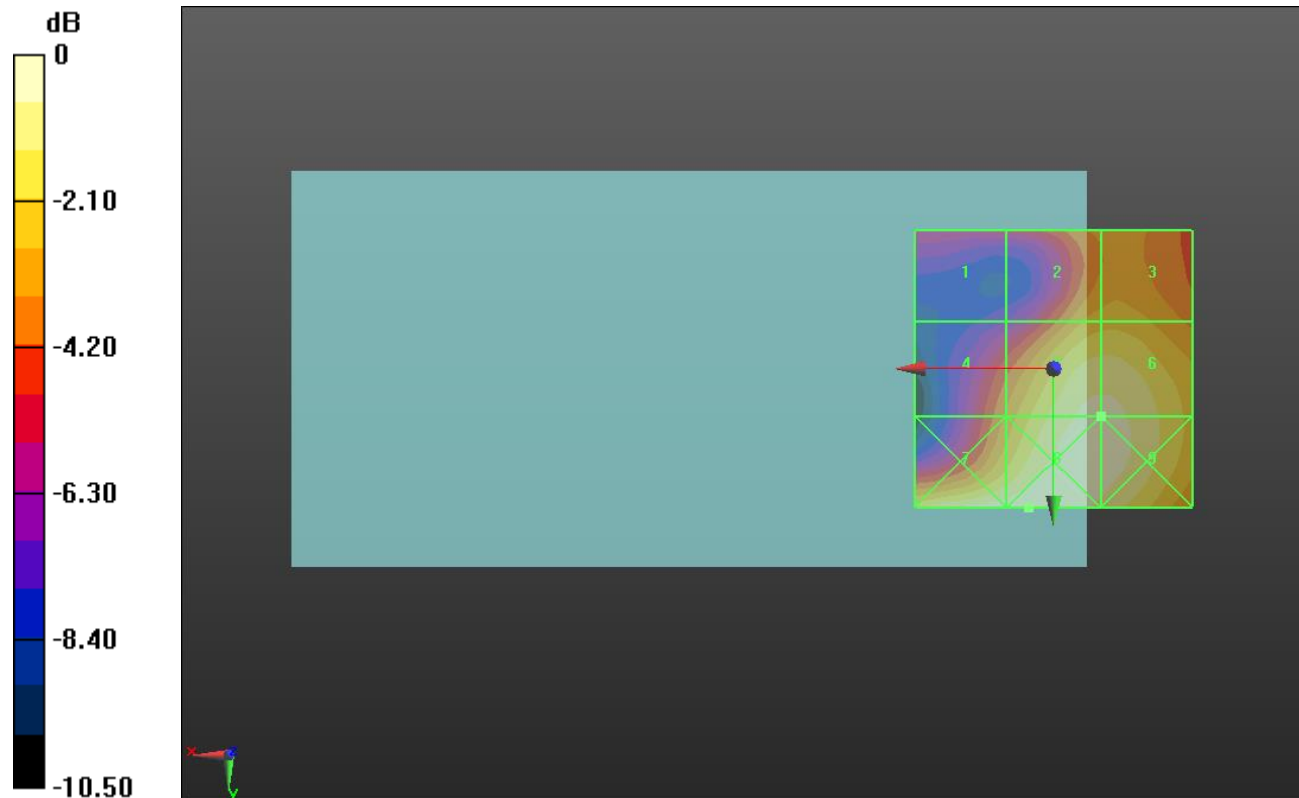
Applied MIF = -1.44 dB

RF audio interference level = 22.58 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 17.81 dBV/m	Grid 2 M4 20.68 dBV/m	Grid 3 M4 20.77 dBV/m
Grid 4 M4 19.76 dBV/m	Grid 5 M4 22.58 dBV/m	Grid 6 M4 22.58 dBV/m
Grid 7 M4 22.92 dBV/m	Grid 8 M4 23.08 dBV/m	Grid 9 M4 22.72 dBV/m



0 dB = 14.25 V/m = 23.08 dBV/m

HAC-RF Emission UAT

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: ER3DV6 - SN2509; ConvF(1, 1, 1); Calibrated: 5/12/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/14/2016
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

LTE Band 41 E-Field measurement/LTE TDD_16QAM_RB 1/50_ch 41055/Hearing Aid Compatibility Test (101x101x1):

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 15.65 V/m; Power Drift = -0.02 dB

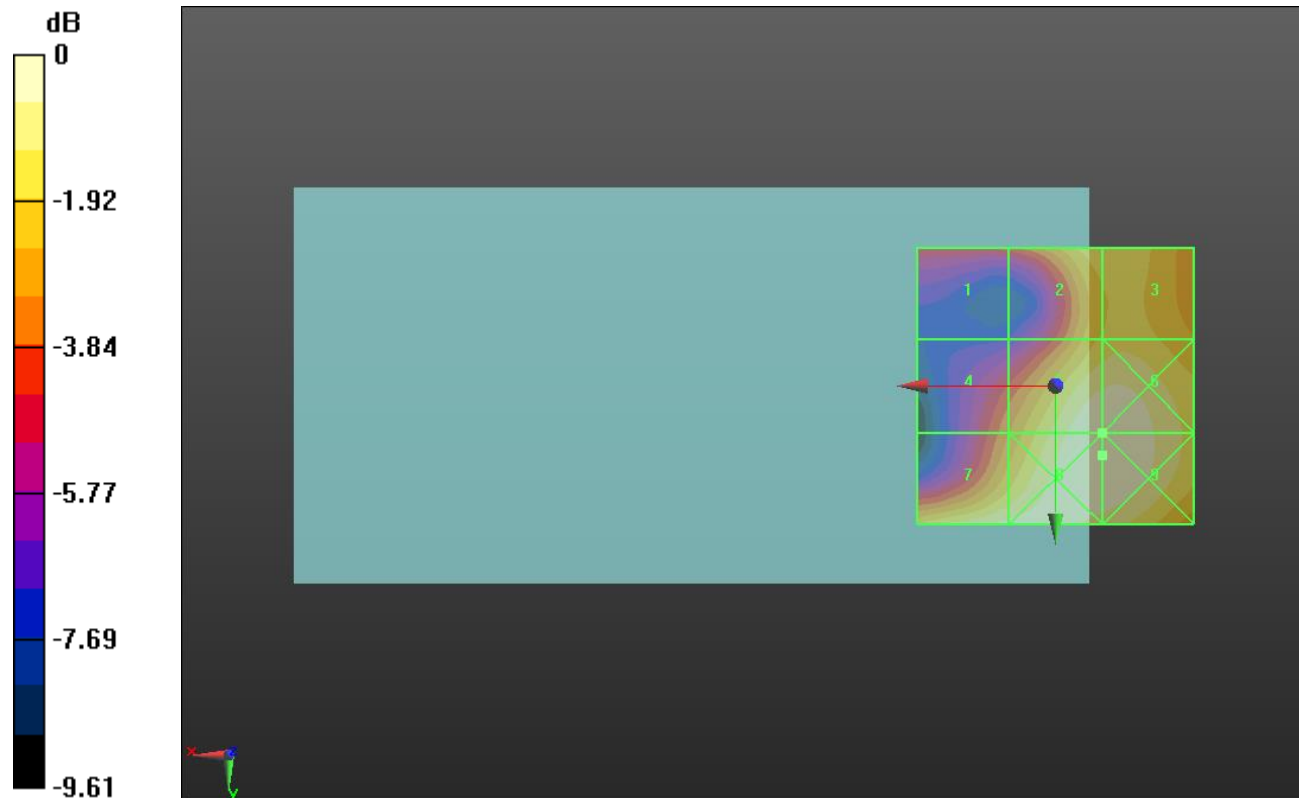
Applied MIF = -1.44 dB

RF audio interference level = 22.31 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 18.37 dBV/m	Grid 2 M4 20.99 dBV/m	Grid 3 M4 21.02 dBV/m
Grid 4 M4 19.16 dBV/m	Grid 5 M4 22.31 dBV/m	Grid 6 M4 22.31 dBV/m
Grid 7 M4 22.08 dBV/m	Grid 8 M4 22.38 dBV/m	Grid 9 M4 22.38 dBV/m



0 dB = 13.16 V/m = 22.39 dBV/m

HAC-RF Emission UAT

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: ER3DV6 - SN2509; ConvF(1, 1, 1); Calibrated: 5/12/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/14/2016
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

LTE Band 41 E-Field measurement/LTE TDD_16QAM_RB 1/50_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 = 12.51 V/m; Power Drift = 0.01 dB

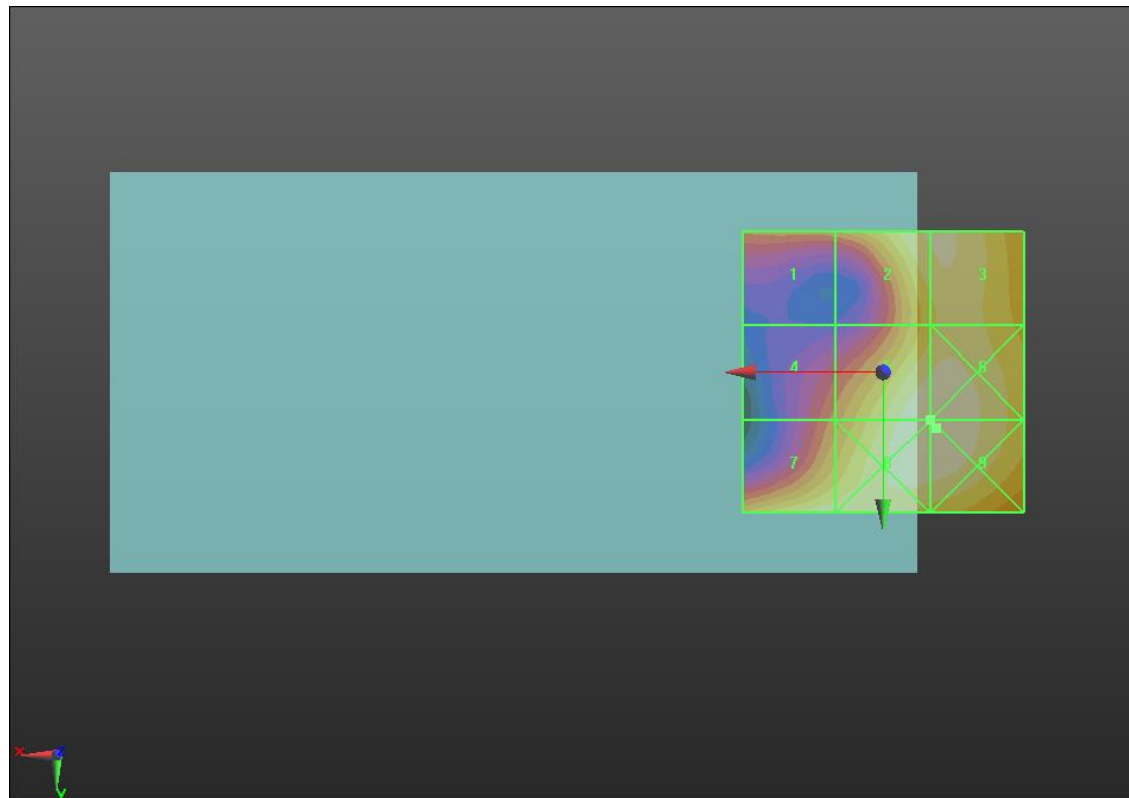
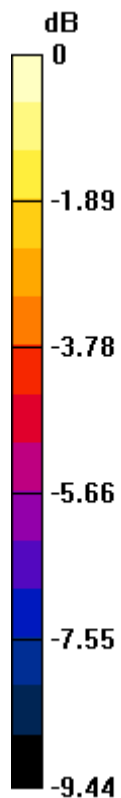
Applied MIF = -1.44 dB

RF audio interference level = 21.05 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 17.87 dBV/m	Grid 2 M4 20.54 dBV/m	Grid 3 M4 20.57 dBV/m
Grid 4 M4 17.63 dBV/m	Grid 5 M4 21.05 dBV/m	Grid 6 M4 21.06 dBV/m
Grid 7 M4 20.43 dBV/m	Grid 8 M4 21.07 dBV/m	Grid 9 M4 21.07 dBV/m



0 dB = 11.32 V/m = 21.08 dBV/m

HAC-RF Emission UAT

Communication System: UID 10069 - CAB, IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps); Frequency: 5765 MHz; Duty Cycle: 1:11.3763

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041 (5-6 GHz); ConvF(1, 1, 1); Calibrated: 3/14/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/14/2016
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

802.11a E-Field measurement/IEEE 802.11a_OFDM 54 Mbps_ch 153/Hearing Aid Compatibility Test (101x101x1):

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 24.88 V/m; Power Drift = -0.09 dB

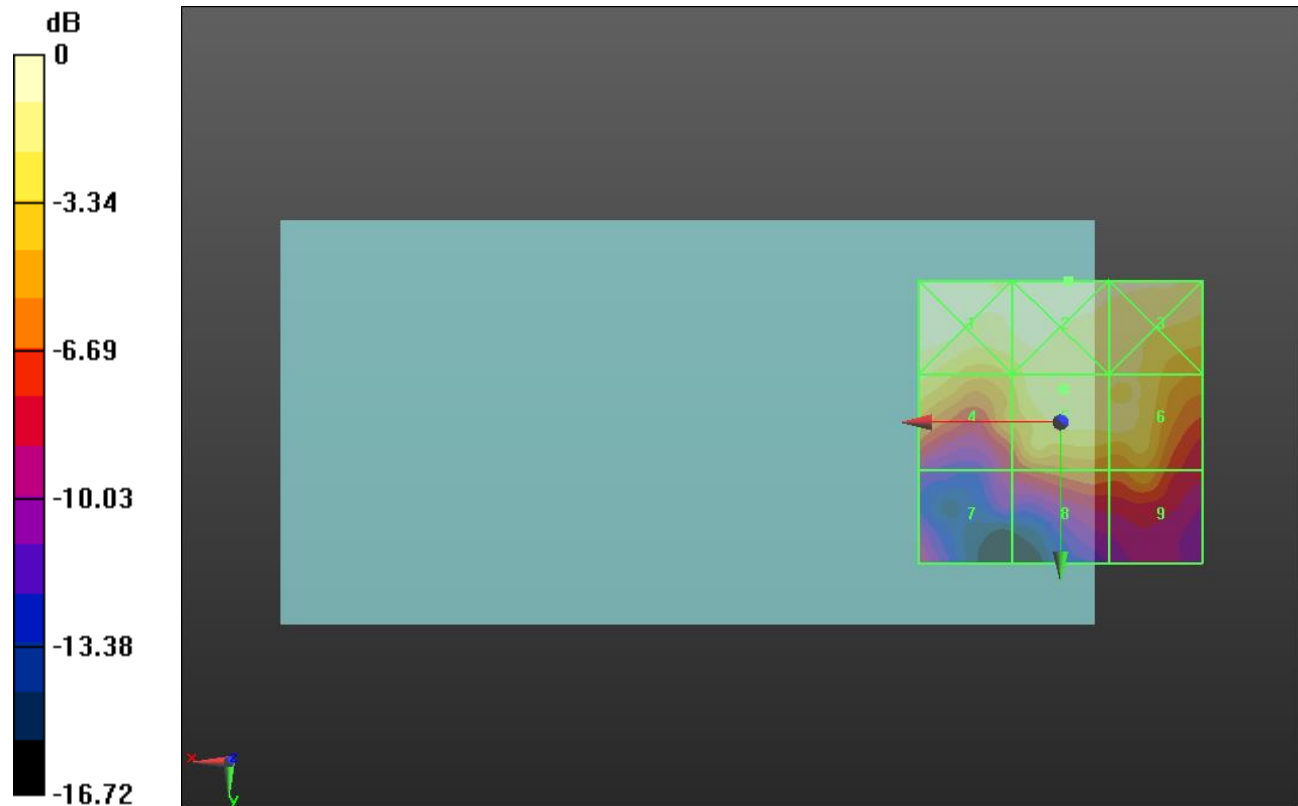
Applied MIF = -3.15 dB

RF audio interference level = 20.11 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 21.15 dBV/m	Grid 2 M4 21.21 dBV/m	Grid 3 M4 20.78 dBV/m
Grid 4 M4 19.4 dBV/m	Grid 5 M4 20.11 dBV/m	Grid 6 M4 19.79 dBV/m
Grid 7 M4 12.96 dBV/m	Grid 8 M4 15.76 dBV/m	Grid 9 M4 16.65 dBV/m



0 dB = 11.49 V/m = 21.21 dBV/m

HAC-RF Emission UAT

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041 (5-6 GHz); ConvF(1, 1, 1); Calibrated: 3/14/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/14/2016
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

802.11a E-Field measurement/IEEE 802.11a_OFDM 54 Mbps_ch 157/Hearing Aid Compatibility Test (101x101x1):

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 21.58 V/m; Power Drift = 0.78 dB

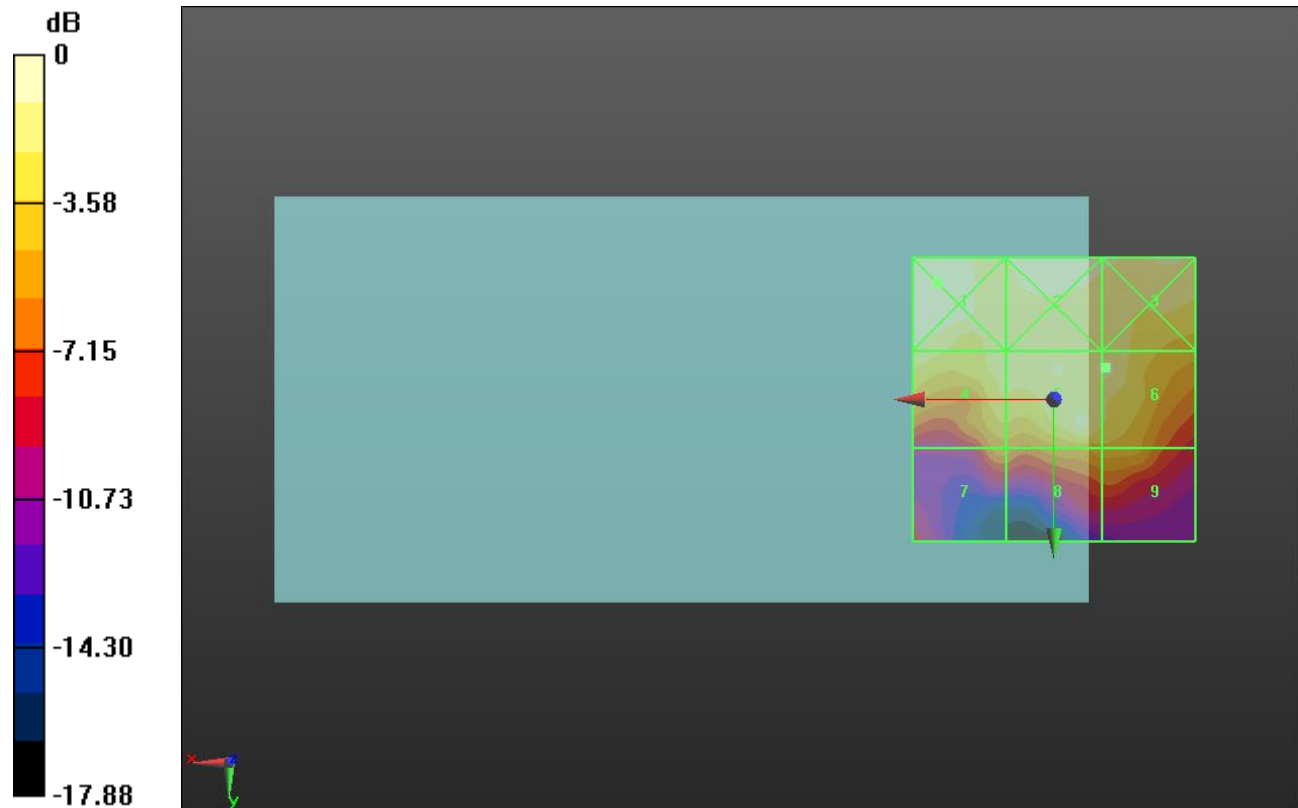
Applied MIF = -3.15 dB

RF audio interference level = 19.77 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 20.75 dBV/m	Grid 2 M4 20.6 dBV/m	Grid 3 M4 19.94 dBV/m
Grid 4 M4 19.55 dBV/m	Grid 5 M4 19.77 dBV/m	Grid 6 M4 19.77 dBV/m
Grid 7 M4 15.58 dBV/m	Grid 8 M4 16.85 dBV/m	Grid 9 M4 16.87 dBV/m



0 dB = 10.90 V/m = 20.75 dBV/m

HAC-RF Emission UAT

Communication System: UID 10069 - CAB, IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps); Frequency: 5805 MHz; Duty Cycle: 1:11.3763

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041 (5-6 GHz); ConvF(1, 1, 1); Calibrated: 3/14/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/14/2016
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

802.11a E-Field measurement/IEEE 802.11a_OFDM 54 Mbps_ch 161/Hearing Aid Compatibility Test (101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 20.80 V/m; Power Drift = -0.09 dB

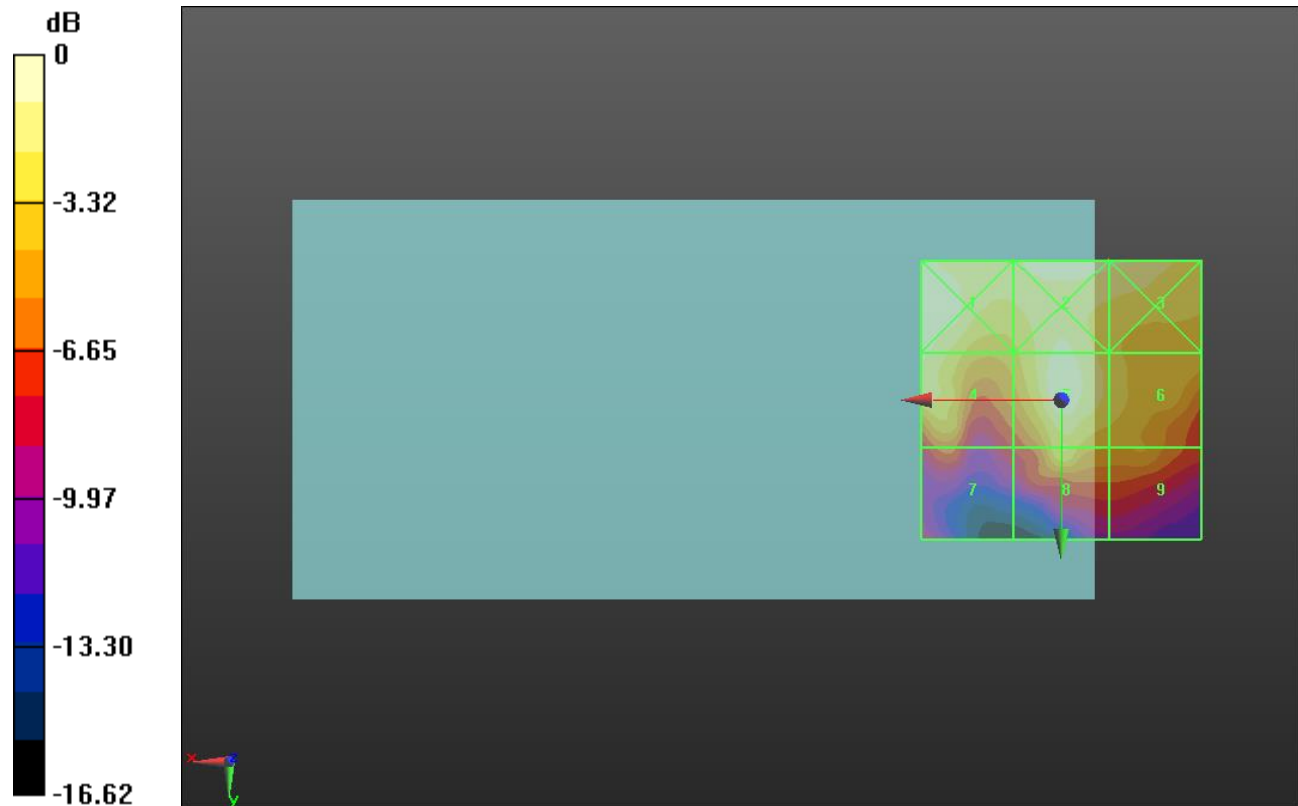
Applied MIF = -3.15 dB

RF audio interference level = 20.82 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 20.48 dBV/m	Grid 2 M4 20.64 dBV/m	Grid 3 M4 20.08 dBV/m
Grid 4 M4 19.97 dBV/m	Grid 5 M4 20.82 dBV/m	Grid 6 M4 18.37 dBV/m
Grid 7 M4 14.76 dBV/m	Grid 8 M4 18.7 dBV/m	Grid 9 M4 16.53 dBV/m



0 dB = 10.99 V/m = 20.82 dBV/m

HAC-RF Emission LAT

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: ER3DV6 - SN2509; ConvF(1, 1, 1); Calibrated: 5/12/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/14/2016
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

GSM850 E-Field measurement/Voice_ch 128/Hearing Aid Compatibility Test

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 53.77 V/m; Power Drift = -0.06 dB

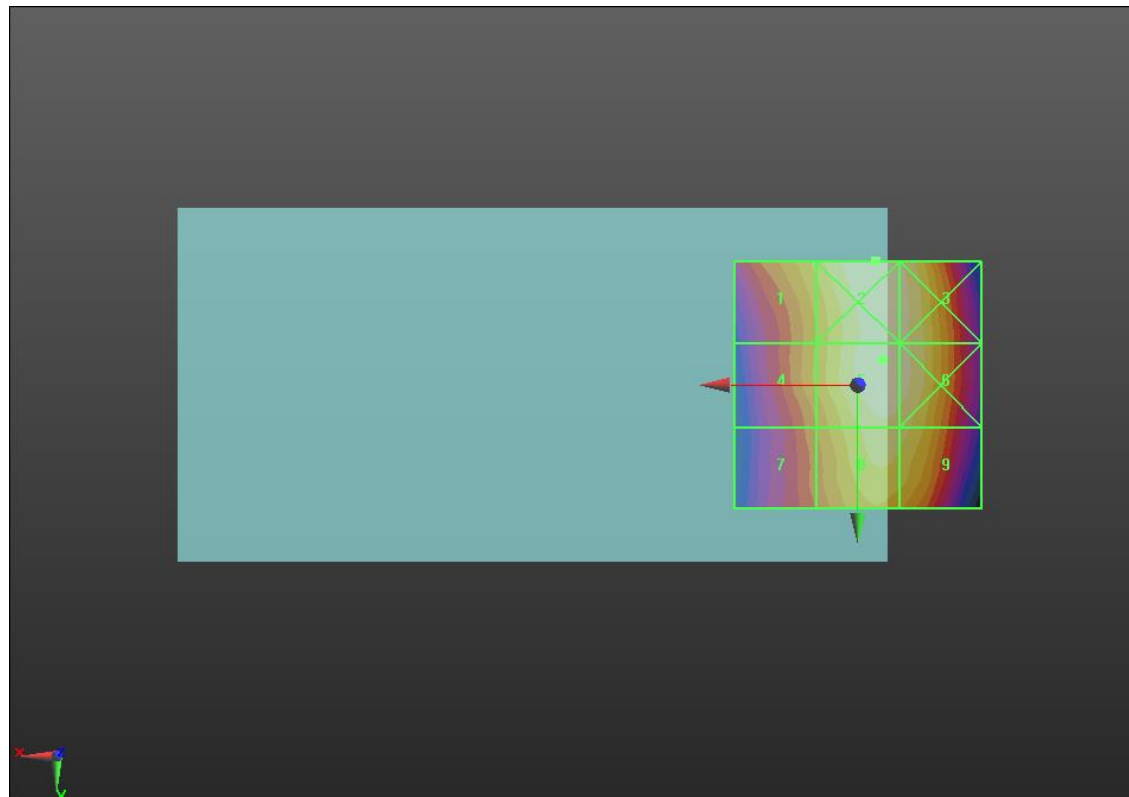
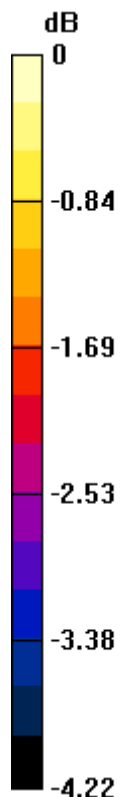
Applied MIF = 3.63 dB

RF audio interference level = 36.31 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 35.62 dBV/m	Grid 2 M4 36.35 dBV/m	Grid 3 M4 36.2 dBV/m
Grid 4 M4 35.3 dBV/m	Grid 5 M4 36.31 dBV/m	Grid 6 M4 36.23 dBV/m
Grid 7 M4 34.94 dBV/m	Grid 8 M4 35.98 dBV/m	Grid 9 M4 35.93 dBV/m



0 dB = 65.68 V/m = 36.35 dBV/m

HAC-RF Emission LAT

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: ER3DV6 - SN2509; ConvF(1, 1, 1); Calibrated: 5/12/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/14/2016
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

GSM850 E-Field measurement/Voice_ch 190/Hearing Aid Compatibility Test

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 56.05 V/m; Power Drift = -0.05 dB

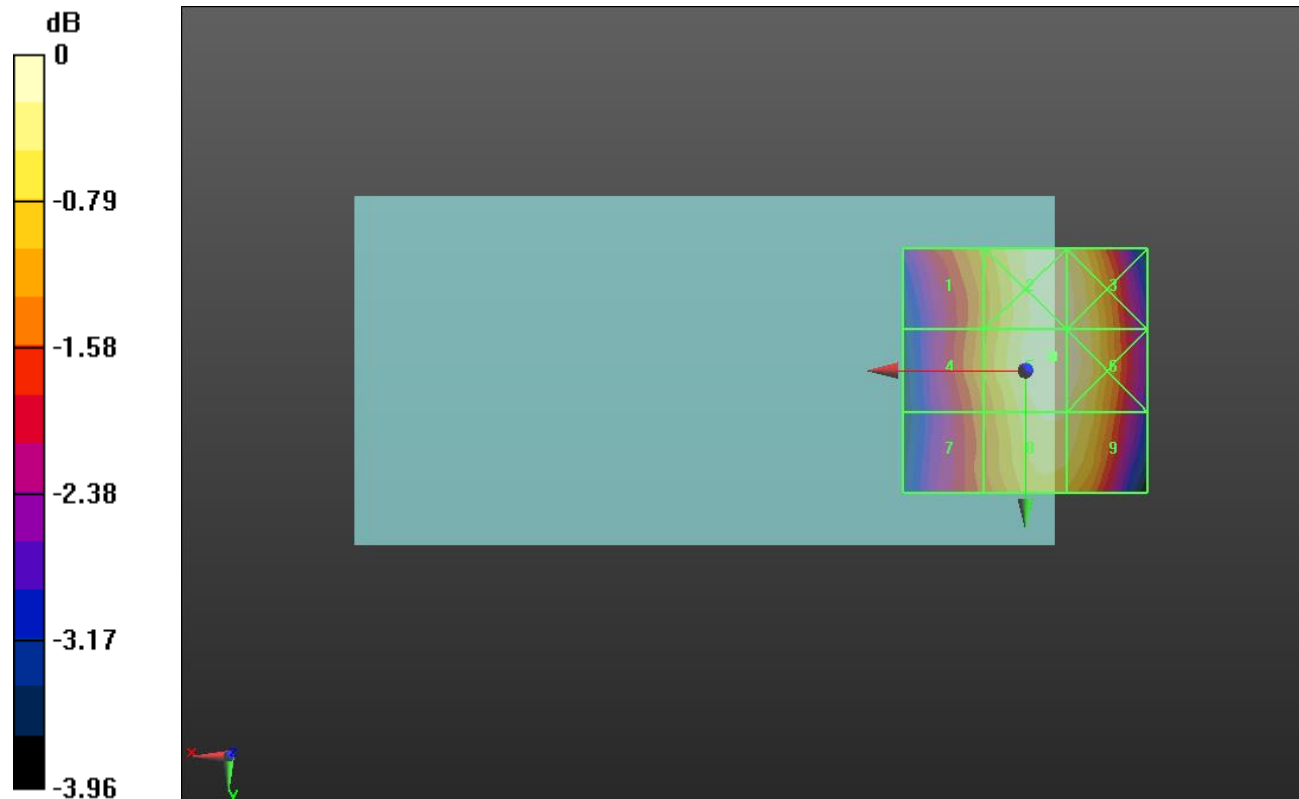
Applied MIF = 3.63 dB

RF audio interference level = 36.67 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 35.75 dBV/m	Grid 2 M4 36.61 dBV/m	Grid 3 M4 36.54 dBV/m
Grid 4 M4 35.65 dBV/m	Grid 5 M4 36.67 dBV/m	Grid 6 M4 36.62 dBV/m
Grid 7 M4 35.38 dBV/m	Grid 8 M4 36.46 dBV/m	Grid 9 M4 36.41 dBV/m



0 dB = 68.18 V/m = 36.67 dBV/m

HAC-RF Emission LAT

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: ER3DV6 - SN2509; ConvF(1, 1, 1); Calibrated: 5/12/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/14/2016
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

GSM850 E-Field measurement/Voice_ch 251/Hearing Aid Compatibility Test

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 54.25 V/m; Power Drift = 0.01 dB

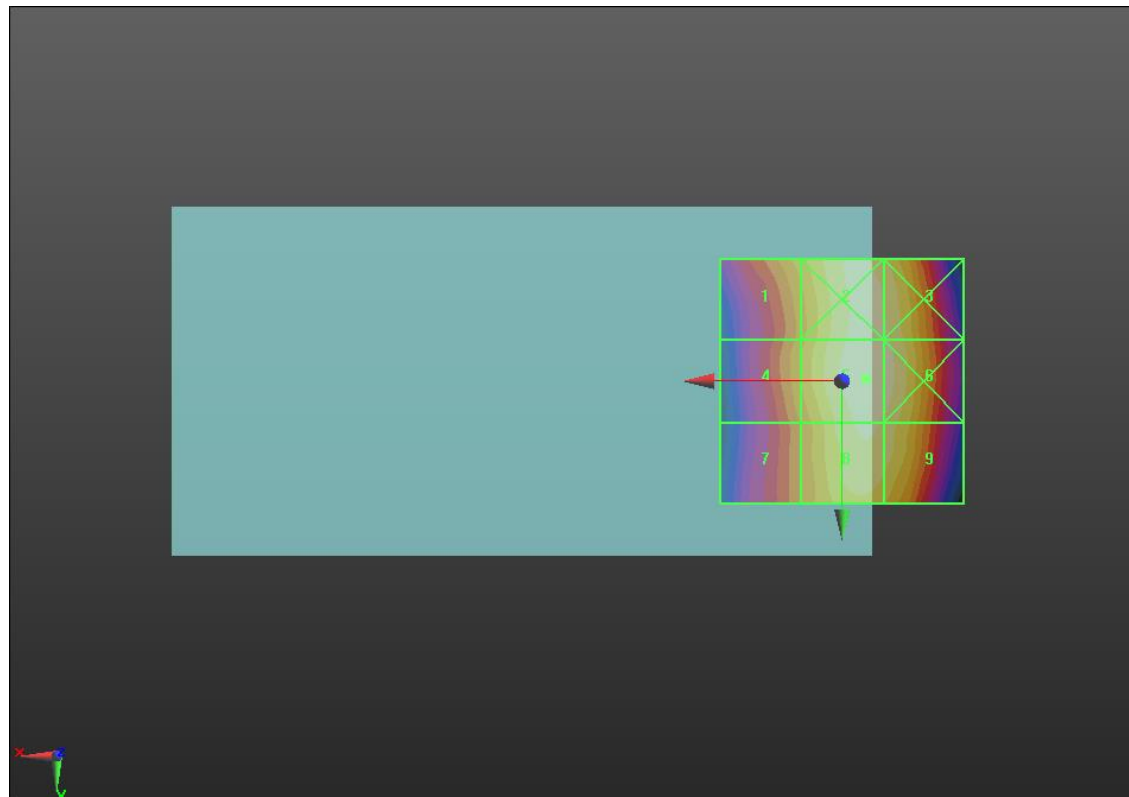
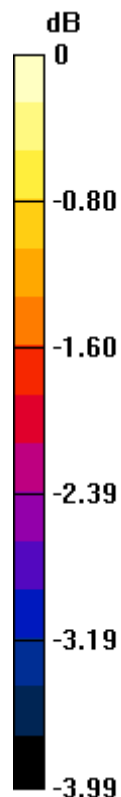
Applied MIF = 3.63 dB

RF audio interference level = 36.44 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 35.54 dBV/m	Grid 2 M4 36.32 dBV/m	Grid 3 M4 36.26 dBV/m
Grid 4 M4 35.39 dBV/m	Grid 5 M4 36.44 dBV/m	Grid 6 M4 36.34 dBV/m
Grid 7 M4 35.14 dBV/m	Grid 8 M4 36.24 dBV/m	Grid 9 M4 36.14 dBV/m



0 dB = 66.36 V/m = 36.44 dBV/m

HAC-RF Emission LAT

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: ER3DV6 - SN2509; ConvF(1, 1, 1); Calibrated: 5/12/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/14/2016
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

GSM1900 E-Field measurement/Voice_ch 512/Hearing Aid Compatibility Test

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 21.91 V/m; Power Drift = -0.01 dB

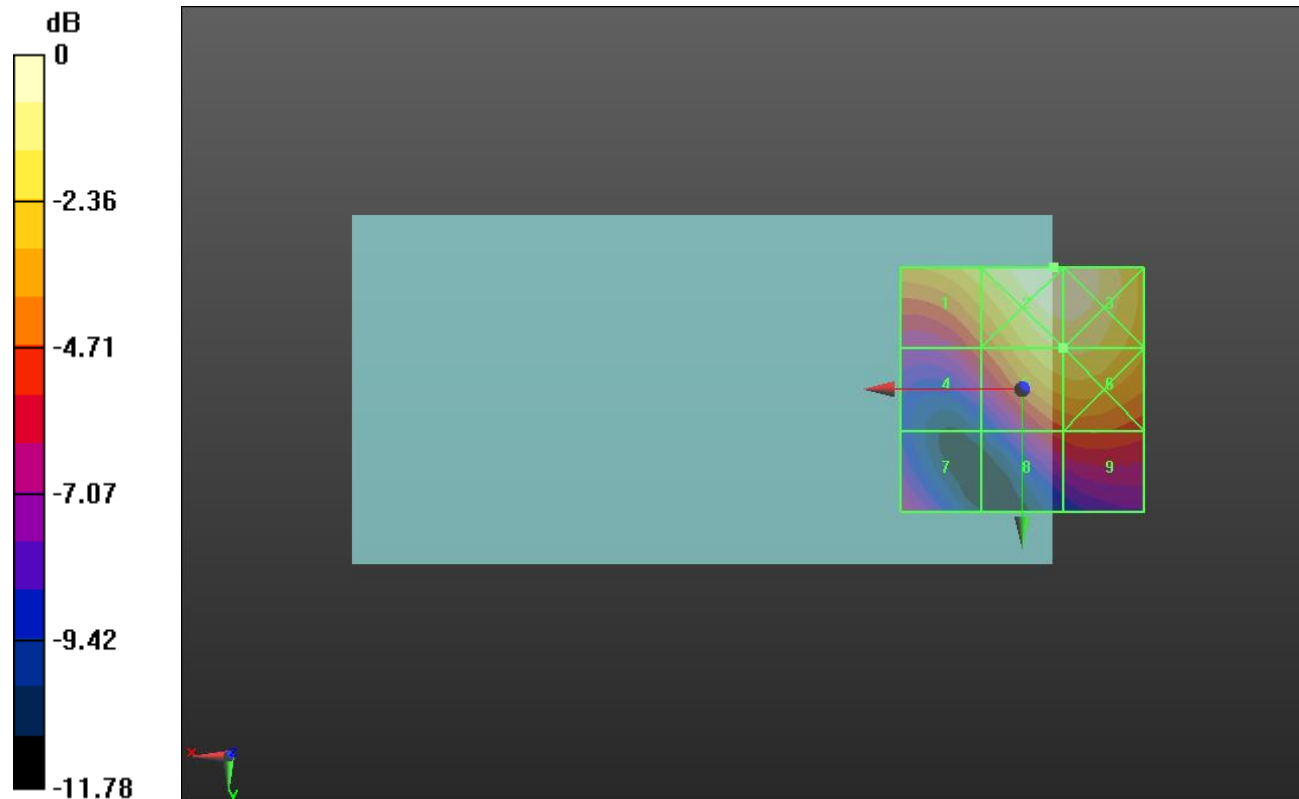
Applied MIF = 3.63 dB

RF audio interference level = 31.53 dBV/m

Emission category: M3

MIF scaled E-field

Grid 1 M3 31.33 dBV/m	Grid 2 M3 33 dBV/m	Grid 3 M3 32.97 dBV/m
Grid 4 M4 28.14 dBV/m	Grid 5 M3 31.53 dBV/m	Grid 6 M3 31.58 dBV/m
Grid 7 M4 26.66 dBV/m	Grid 8 M4 28.09 dBV/m	Grid 9 M4 28.41 dBV/m



0 dB = 44.66 V/m = 33.00 dBV/m

HAC-RF Emission LAT

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: ER3DV6 - SN2509; ConvF(1, 1, 1); Calibrated: 5/12/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/14/2016
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

GSM1900 E-Field measurement/Voice_ch 661/Hearing Aid Compatibility Test

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 21.99 V/m; Power Drift = 0.00 dB

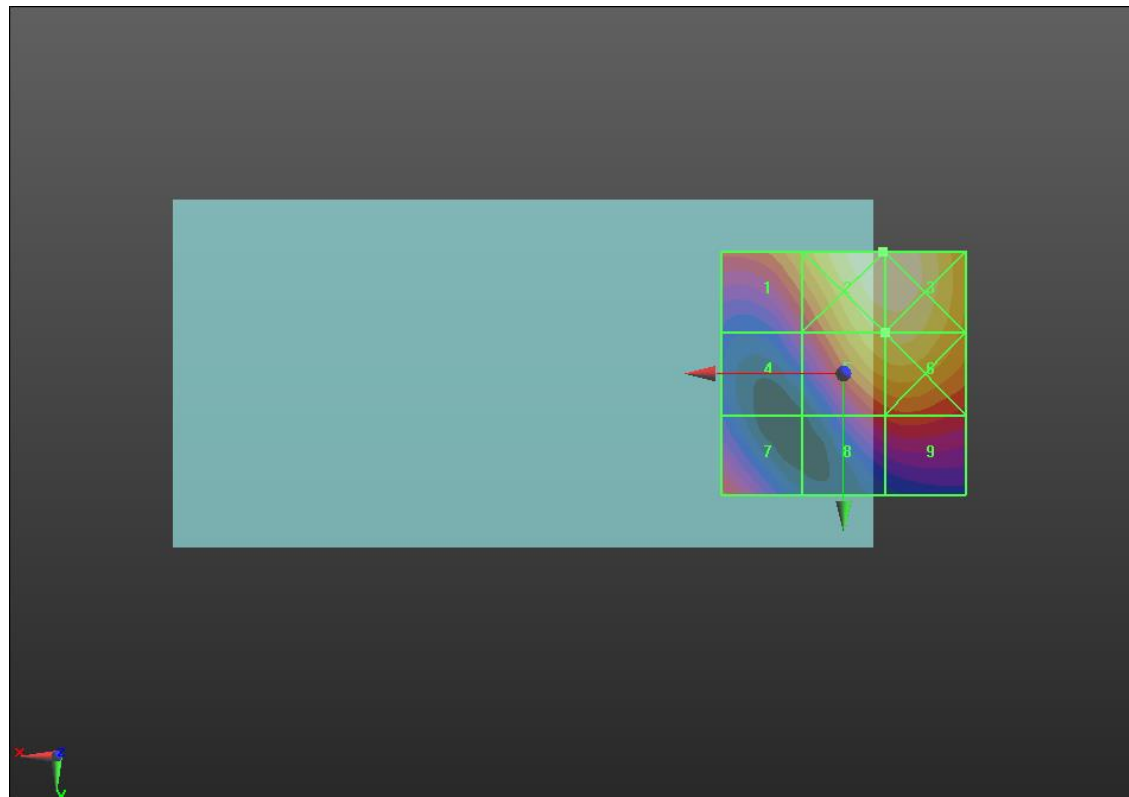
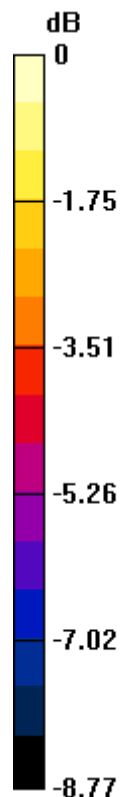
Applied MIF = 3.63 dB

RF audio interference level = 31.65 dBV/m

Emission category: M3

MIF scaled E-field

Grid 1 M3 30.51 dBV/m	Grid 2 M3 32.69 dBV/m	Grid 3 M3 32.69 dBV/m
Grid 4 M4 27.82 dBV/m	Grid 5 M3 31.65 dBV/m	Grid 6 M3 31.75 dBV/m
Grid 7 M4 28.82 dBV/m	Grid 8 M4 28.78 dBV/m	Grid 9 M4 29.06 dBV/m



0 dB = 43.12 V/m = 32.69 dBV/m

HAC-RF Emission LAT

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: ER3DV6 - SN2509; ConvF(1, 1, 1); Calibrated: 5/12/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/14/2016
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

GSM1900 E-Field measurement/Voice_ch 810/Hearing Aid Compatibility Test

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 22.96 V/m; Power Drift = 0.02 dB

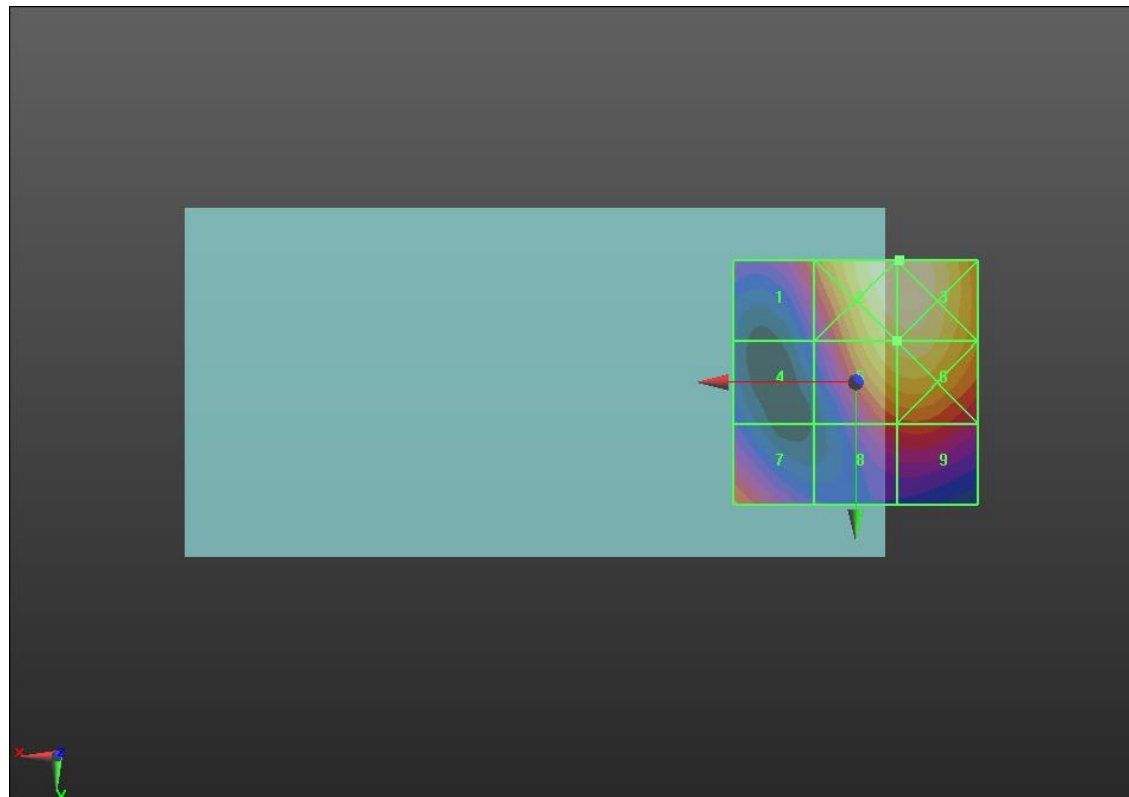
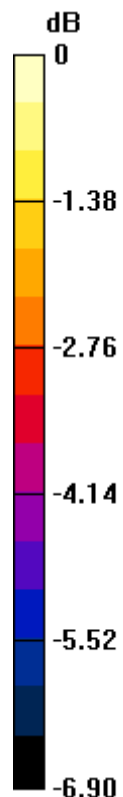
Applied MIF = 3.63 dB

RF audio interference level = 31.55 dBV/m

Emission category: M3

MIF scaled E-field

Grid 1 M4 29.55 dBV/m	Grid 2 M3 32.27 dBV/m	Grid 3 M3 32.27 dBV/m
Grid 4 M4 27.55 dBV/m	Grid 5 M3 31.55 dBV/m	Grid 6 M3 31.66 dBV/m
Grid 7 M4 29.66 dBV/m	Grid 8 M4 29.28 dBV/m	Grid 9 M4 29.43 dBV/m



0 dB = 41.06 V/m = 32.27 dBV/m

HAC-RF Emission LAT

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: ER3DV6 - SN2509; ConvF(1, 1, 1); Calibrated: 5/12/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/14/2016
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

LTE Band 41 E-Field measurement/LTE TDD_16QAM_RB 1/50_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 = 16.62 V/m; Power Drift = 0.06 dB

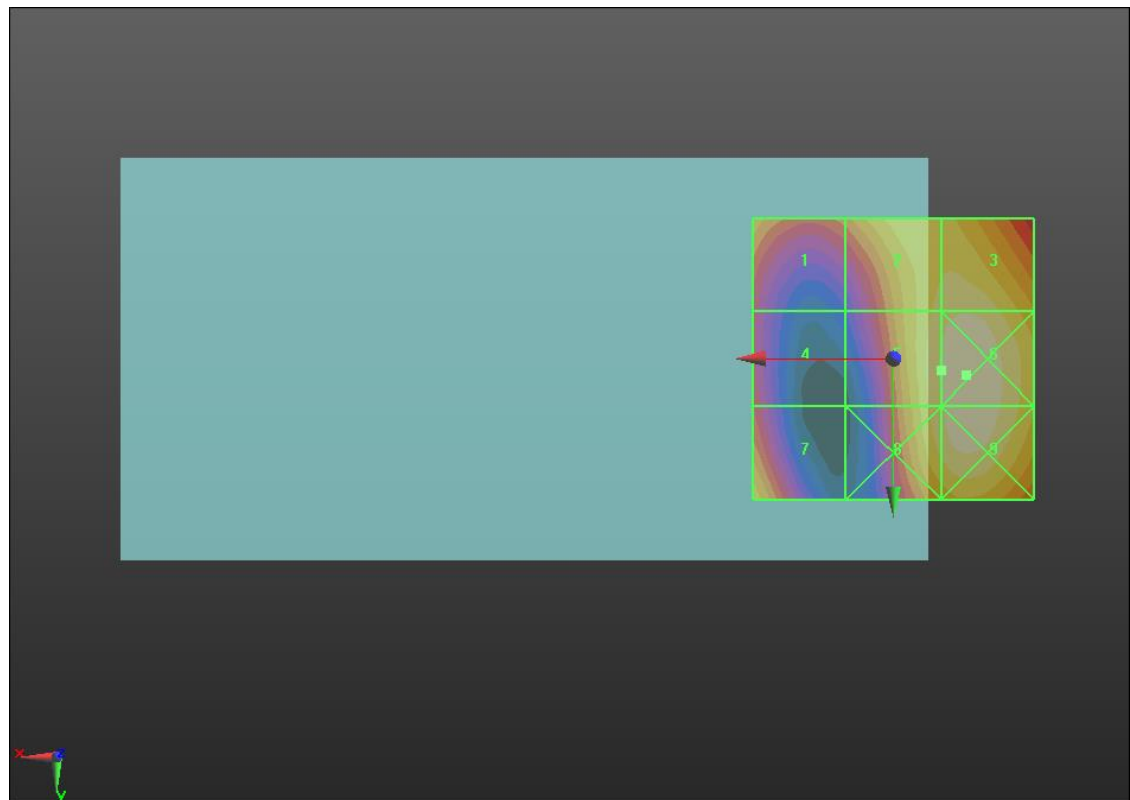
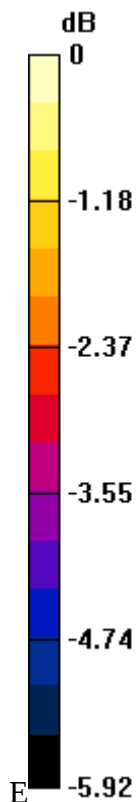
Applied MIF = -1.44 dB

RF audio interference level = 23.82 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 22.57 dBV/m	Grid 2 M4 23.54 dBV/m	Grid 3 M4 23.74 dBV/m
Grid 4 M4 21.45 dBV/m	Grid 5 M4 23.82 dBV/m	Grid 6 M4 24.16 dBV/m
Grid 7 M4 22.89 dBV/m	Grid 8 M4 23.74 dBV/m	Grid 9 M4 24.12 dBV/m



0 dB = 16.14 V/m = 24.16 dBV/m

HAC-RF Emission LAT

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: ER3DV6 - SN2509; ConvF(1, 1, 1); Calibrated: 5/12/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/14/2016
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

LTE Band 41 E-Field measurement/LTE TDD_16QAM_RB 1/50_ch 40185/Hearing Aid Compatibility Test (101x101x1):

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 17.39 V/m; Power Drift = -0.04 dB

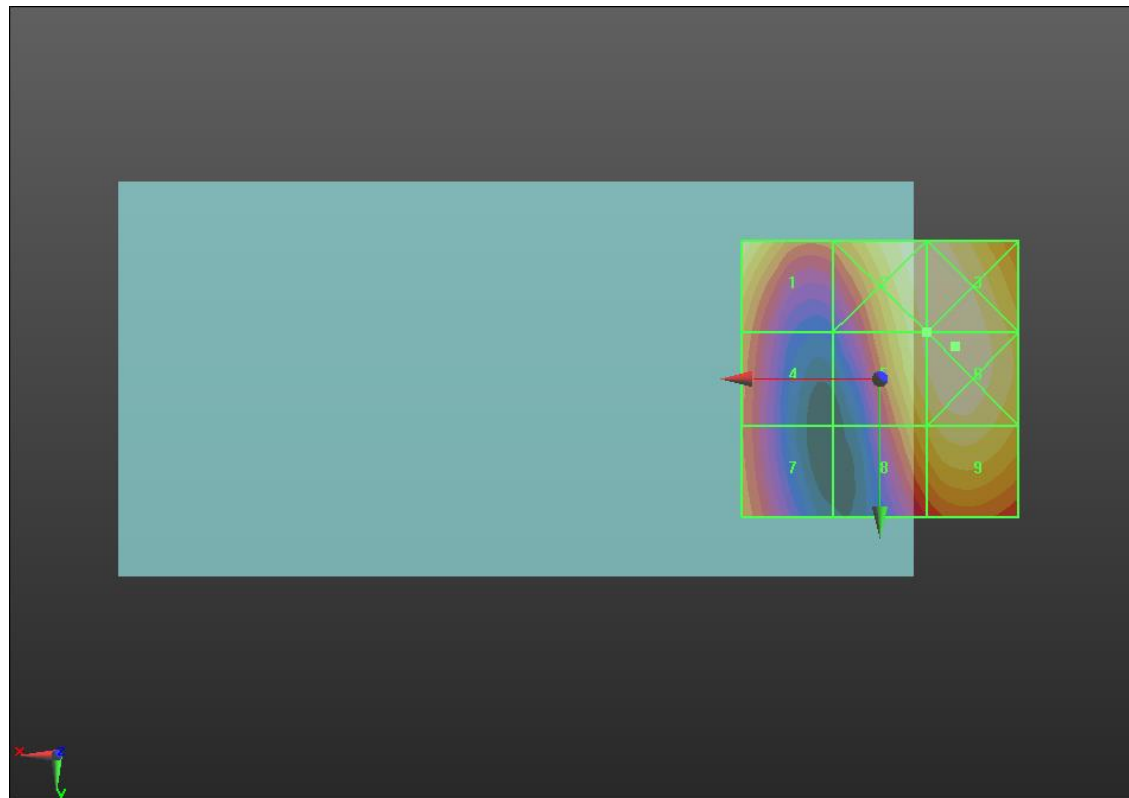
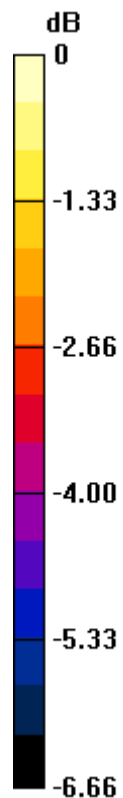
Applied MIF = -1.44 dB

RF audio interference level = 24.68 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 24.57 dBV/m	Grid 2 M4 24.78 dBV/m	Grid 3 M4 24.97 dBV/m
Grid 4 M4 22.9 dBV/m	Grid 5 M4 24.68 dBV/m	Grid 6 M4 24.99 dBV/m
Grid 7 M4 22.71 dBV/m	Grid 8 M4 23.81 dBV/m	Grid 9 M4 24.41 dBV/m



0 dB = 17.77 V/m = 24.99 dBV/m

HAC-RF Emission LAT

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: ER3DV6 - SN2509; ConvF(1, 1, 1); Calibrated: 5/12/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/14/2016
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

LTE Band 41 E-Field measurement/LTE TDD_16QAM_RB 1/50_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 = 17.74 V/m; Power Drift = 0.07 dB

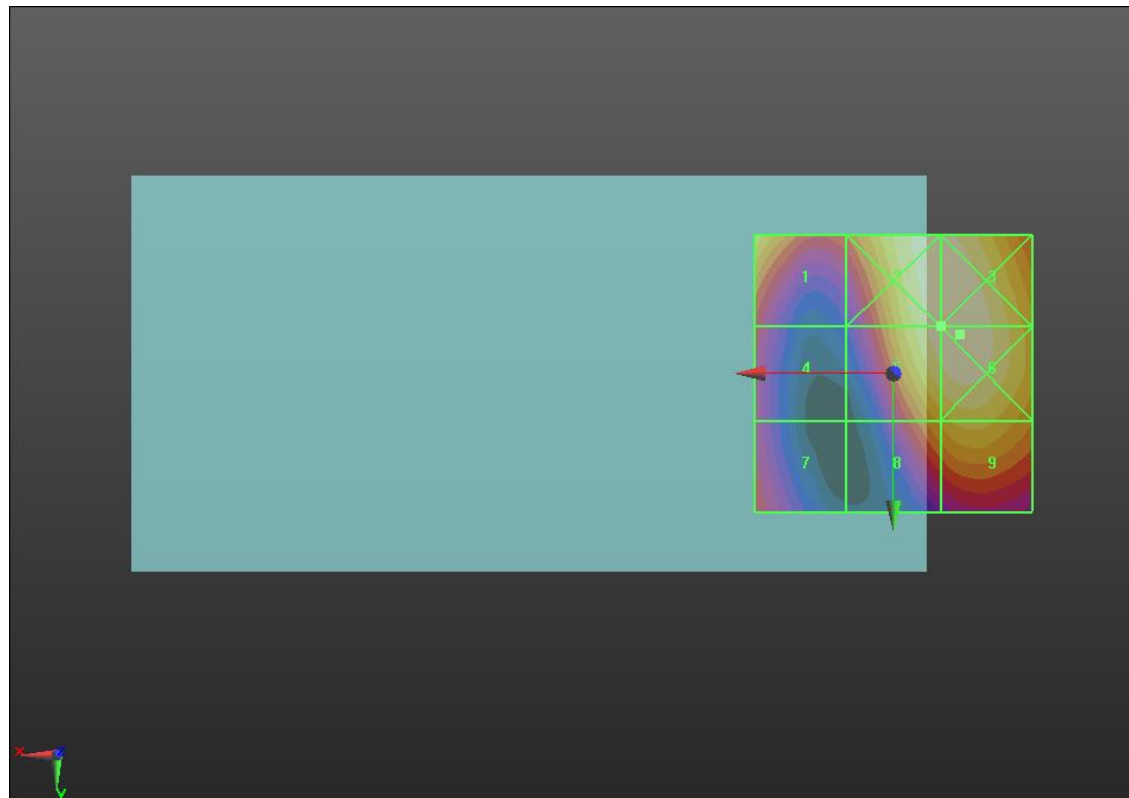
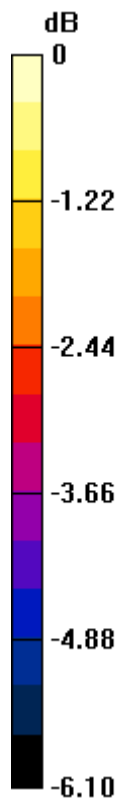
Applied MIF = -1.44 dB

RF audio interference level = 24.57 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 23.87 dBV/m	Grid 2 M4 24.62 dBV/m	Grid 3 M4 24.7 dBV/m
Grid 4 M4 21.84 dBV/m	Grid 5 M4 24.57 dBV/m	Grid 6 M4 24.71 dBV/m
Grid 7 M4 21.84 dBV/m	Grid 8 M4 23.23 dBV/m	Grid 9 M4 23.69 dBV/m



0 dB = 17.20 V/m = 24.71 dBV/m

HAC-RF Emission LAT

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: ER3DV6 - SN2509; ConvF(1, 1, 1); Calibrated: 5/12/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/14/2016
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

LTE Band 41 E-Field measurement/LTE TDD_16QAM_RB 1/50_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 = 16.39 V/m; Power Drift = 0.10 dB

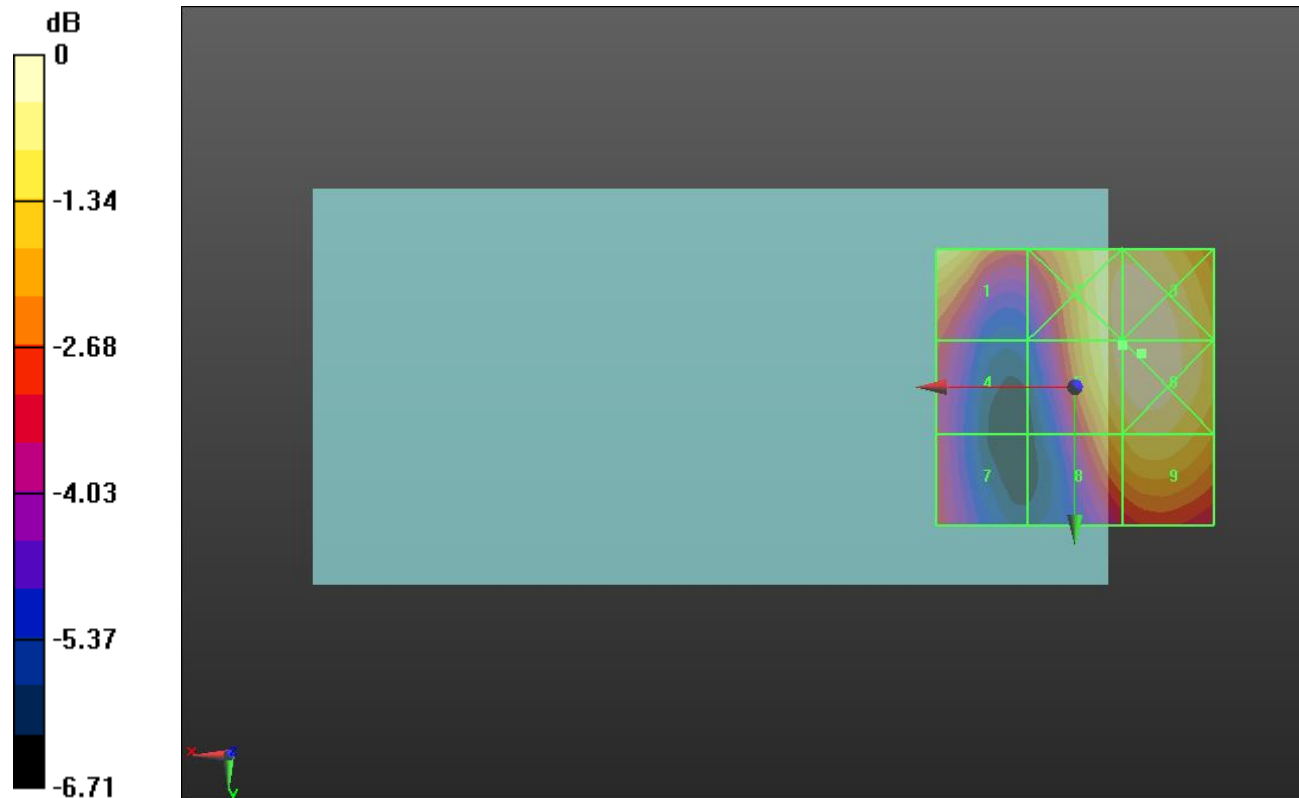
Applied MIF = -1.44 dB

RF audio interference level = 23.92 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 23.53 dBV/m	Grid 2 M4 23.92 dBV/m	Grid 3 M4 24.14 dBV/m
Grid 4 M4 21.2 dBV/m	Grid 5 M4 23.92 dBV/m	Grid 6 M4 24.16 dBV/m
Grid 7 M4 20.95 dBV/m	Grid 8 M4 22.88 dBV/m	Grid 9 M4 23.32 dBV/m



0 dB = 16.14 V/m = 24.16 dBV/m

HAC-RF Emission LAT

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: ER3DV6 - SN2509; ConvF(1, 1, 1); Calibrated: 5/12/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/14/2016
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

LTE Band 41 E-Field measurement/LTE TDD_16QAM_RB 1/50_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 = 16.60 V/m; Power Drift = -0.07 dB

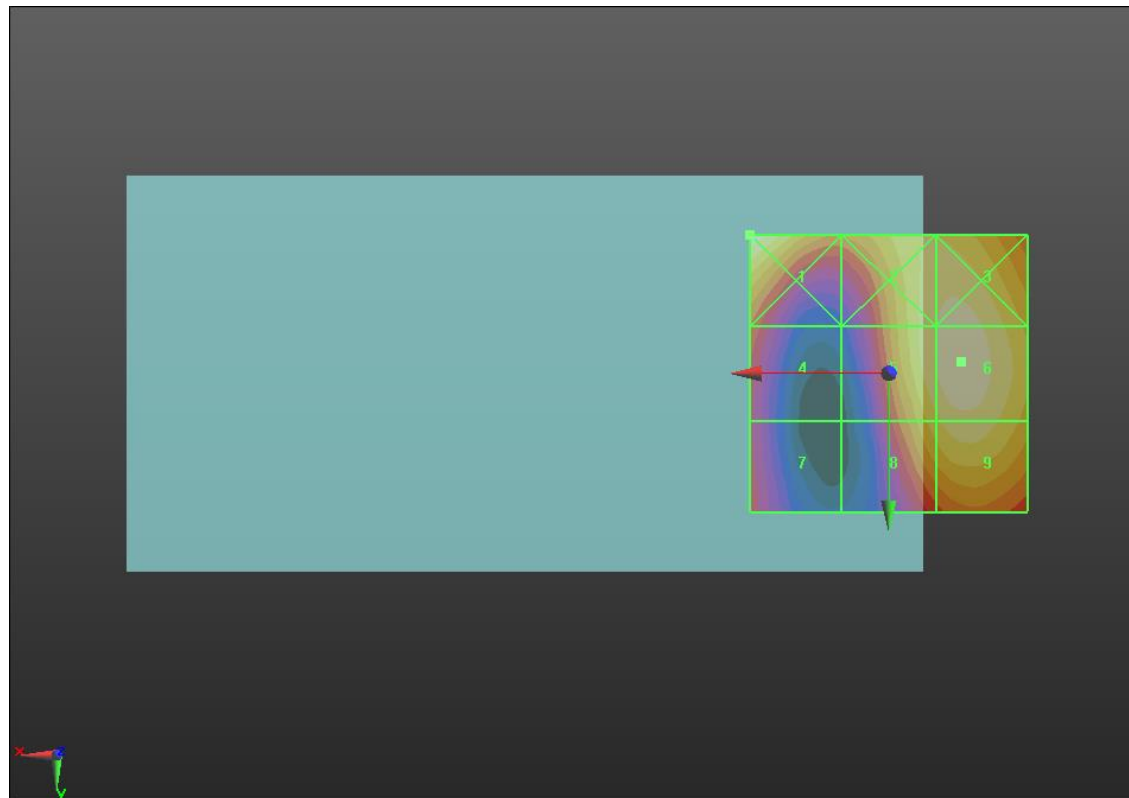
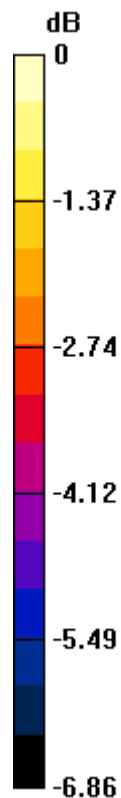
Applied MIF = -1.44 dB

RF audio interference level = 24.01 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 24.12 dBV/m	Grid 2 M4 23.66 dBV/m	Grid 3 M4 23.88 dBV/m
Grid 4 M4 21.42 dBV/m	Grid 5 M4 23.7 dBV/m	Grid 6 M4 24.01 dBV/m
Grid 7 M4 20.83 dBV/m	Grid 8 M4 23.07 dBV/m	Grid 9 M4 23.55 dBV/m



0 dB = 16.07 V/m = 24.12 dBV/m

HAC-RF Emission LAT

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: ER3DV6 - SN2509; ConvF(1, 1, 1); Calibrated: 5/12/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/14/2016
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

802.11b E-Field measurement/IEEE 802.11b_OFDM 11 Mbps_ch 2/Hearing Aid Compatibility Test (101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 11.55 V/m; Power Drift = -0.14 dB

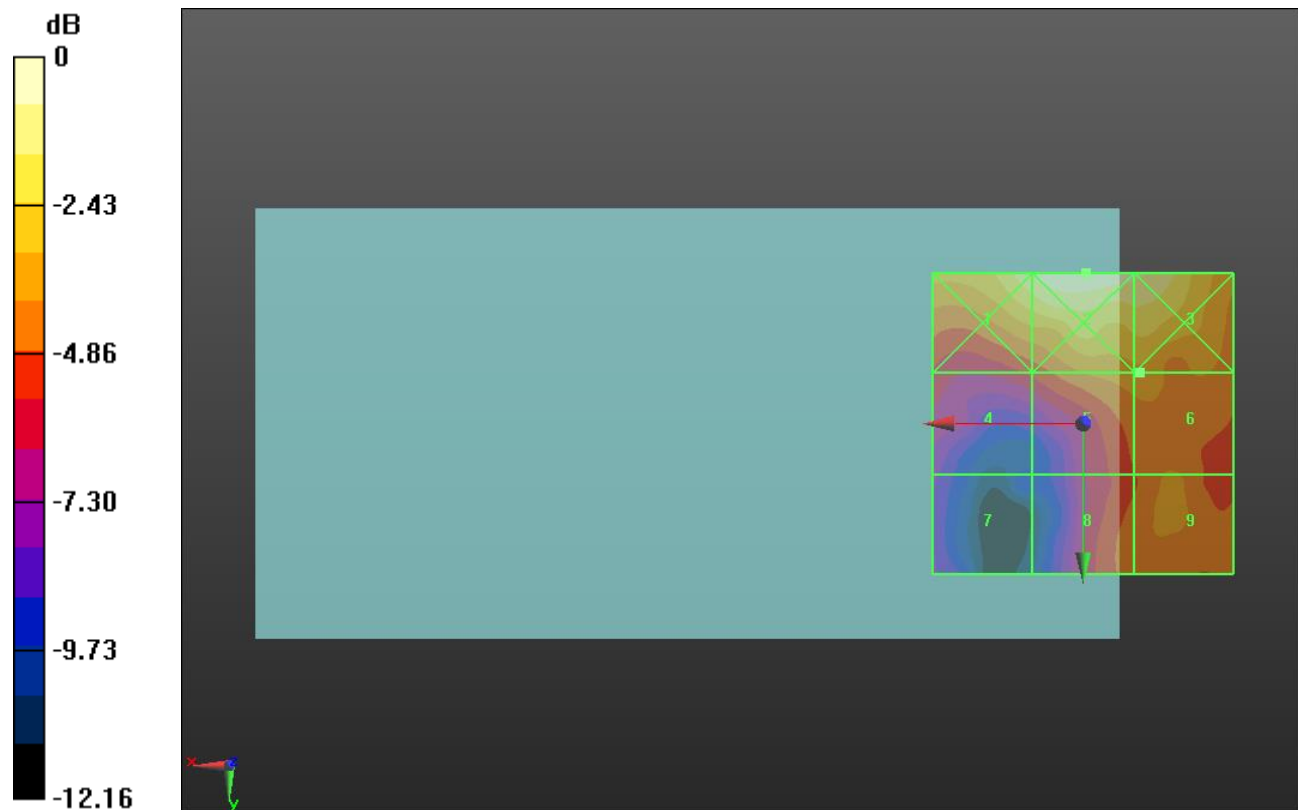
Applied MIF = -2.02 dB

RF audio interference level = 20.42 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 22.99 dBV/m	Grid 2 M4 23.88 dBV/m	Grid 3 M4 23.36 dBV/m
Grid 4 M4 18.47 dBV/m	Grid 5 M4 20.4 dBV/m	Grid 6 M4 20.42 dBV/m
Grid 7 M4 16.07 dBV/m	Grid 8 M4 19.53 dBV/m	Grid 9 M4 20.41 dBV/m



0 dB = 15.64 V/m = 23.88 dBV/m

HAC-RF Emission LAT

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: ER3DV6 - SN2509; ConvF(1, 1, 1); Calibrated: 5/12/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/14/2016
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

802.11b E-Field measurement/IEEE 802.11b_OFDM 11 Mbps_ch 6/Hearing Aid Compatibility Test (101x101x1):

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 13.24 V/m; Power Drift = 0.51 dB

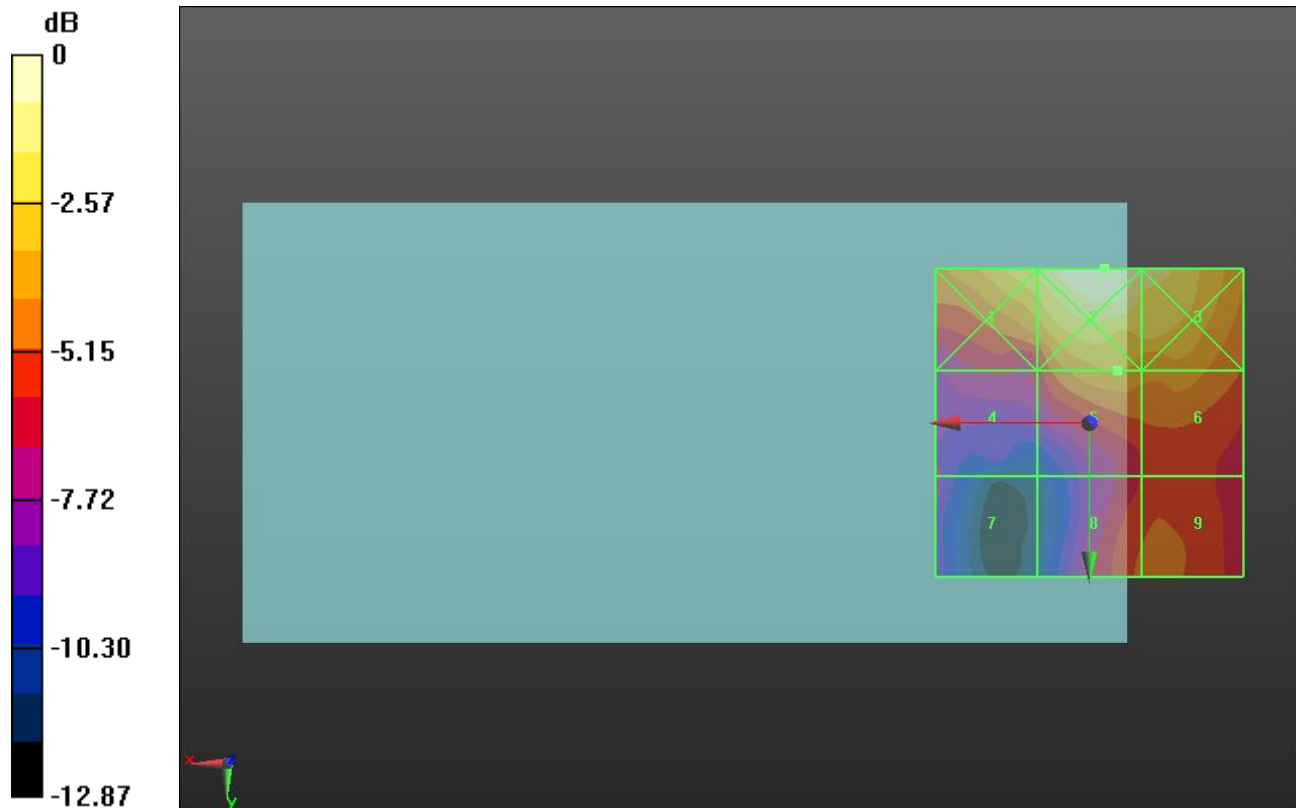
Applied MIF = -2.02 dB

RF audio interference level = 22.41 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 24.27 dBV/m	Grid 2 M4 25.74 dBV/m	Grid 3 M4 25.17 dBV/m
Grid 4 M4 19.33 dBV/m	Grid 5 M4 22.41 dBV/m	Grid 6 M4 21.98 dBV/m
Grid 7 M4 17.78 dBV/m	Grid 8 M4 20.85 dBV/m	Grid 9 M4 21.04 dBV/m



0 dB = 19.36 V/m = 25.74 dBV/m

HAC-RF Emission LAT

Communication System: UID 10061 - CAB, IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps); Frequency: 2457 MHz; Duty Cycle: 1:2.29087

Phantom section: RF Section

DASY5 Configuration:

- Probe: ER3DV6 - SN2509; ConvF(1, 1, 1); Calibrated: 5/12/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/14/2016
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

802.11b E-Field measurement/IEEE 802.11b_OFDM 11 Mbps_ch 10/Hearing Aid Compatibility Test (101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 14.71 V/m; Power Drift = -0.08 dB

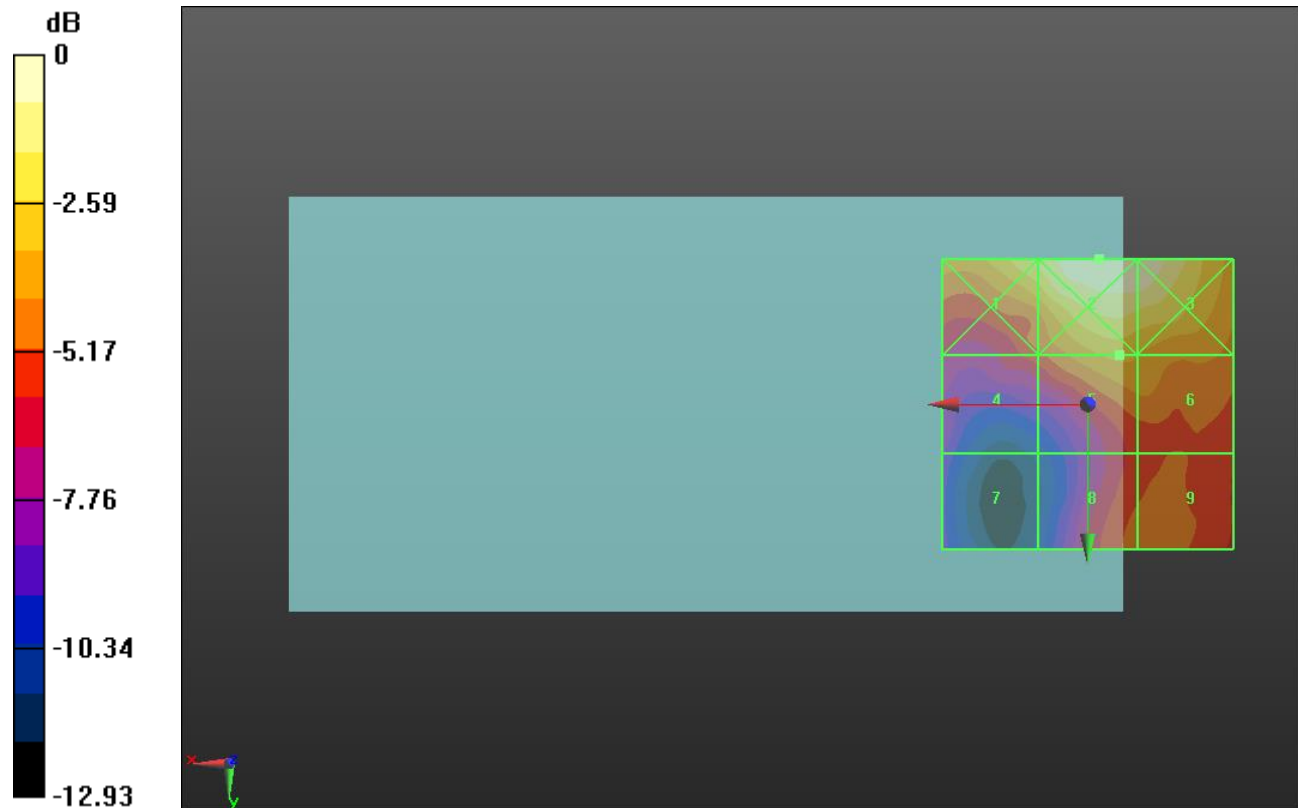
Applied MIF = -2.02 dB

RF audio interference level = 22.90 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 24.72 dBV/m	Grid 2 M4 26.08 dBV/m	Grid 3 M4 25.91 dBV/m
Grid 4 M4 20.68 dBV/m	Grid 5 M4 22.9 dBV/m	Grid 6 M4 22.68 dBV/m
Grid 7 M4 17.57 dBV/m	Grid 8 M4 21.26 dBV/m	Grid 9 M4 21.39 dBV/m



0 dB = 20.14 V/m = 26.08 dBV/m

HAC-RF Emission LAT

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041 (5-6 GHz); ConvF(1, 1, 1); Calibrated: 3/14/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/14/2016
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

802.11a E-Field measurement/IEEE 802.11a_OFDM 54 Mbps_ch 40/Hearing Aid Compatibility Test (101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 9.626 V/m; Power Drift = -0.06 dB

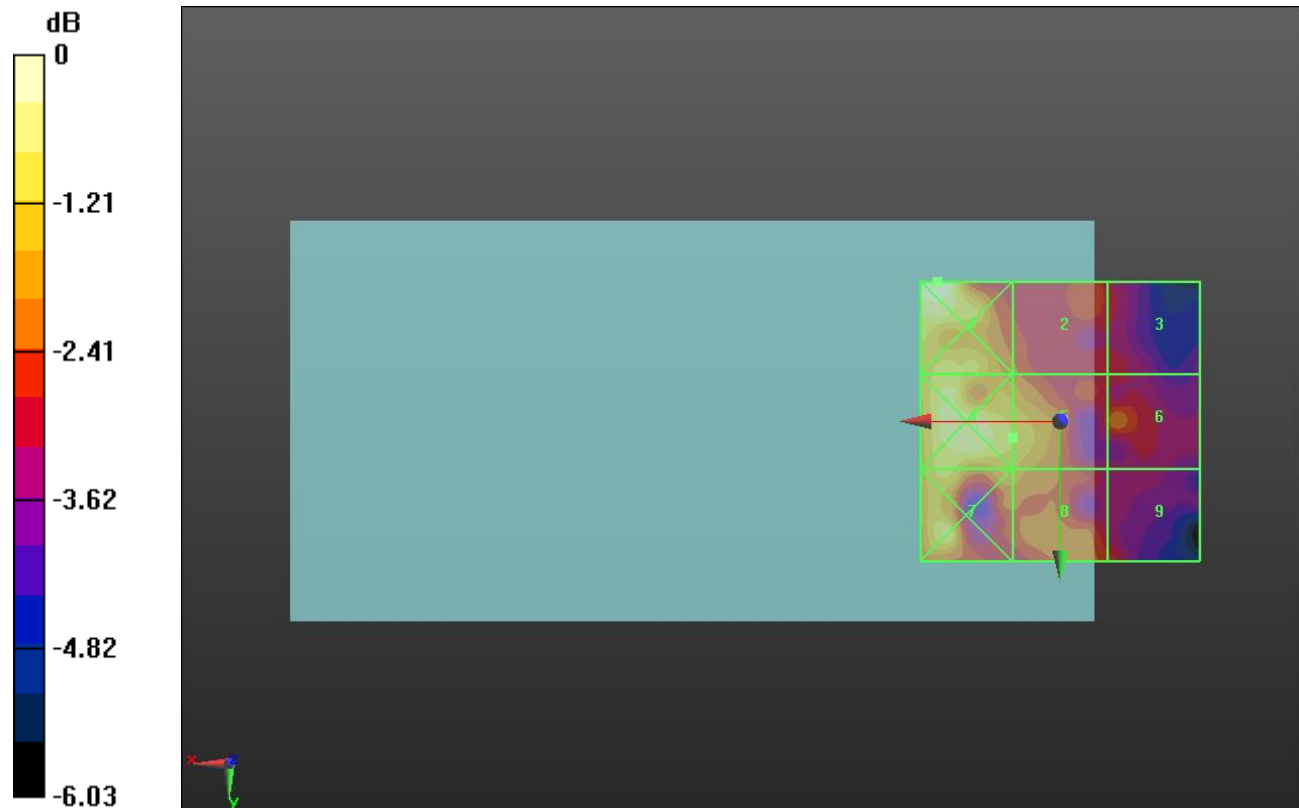
Applied MIF = -3.15 dB

RF audio interference level = 15.34 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 16.49 dBV/m	Grid 2 M4 14.28 dBV/m	Grid 3 M4 13.58 dBV/m
Grid 4 M4 16.08 dBV/m	Grid 5 M4 15.34 dBV/m	Grid 6 M4 14.46 dBV/m
Grid 7 M4 15.8 dBV/m	Grid 8 M4 14.9 dBV/m	Grid 9 M4 13.95 dBV/m



0 dB = 6.675 V/m = 16.49 dBV/m

HAC-RF Emission LAT

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041 (5-6 GHz); ConvF(1, 1, 1); Calibrated: 3/14/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/14/2016
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

802.11a E-Field measurement/IEEE 802.11a_OFDM 54 Mbps_ch 44/Hearing Aid Compatibility Test (101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 9.541 V/m; Power Drift = -0.14 dB

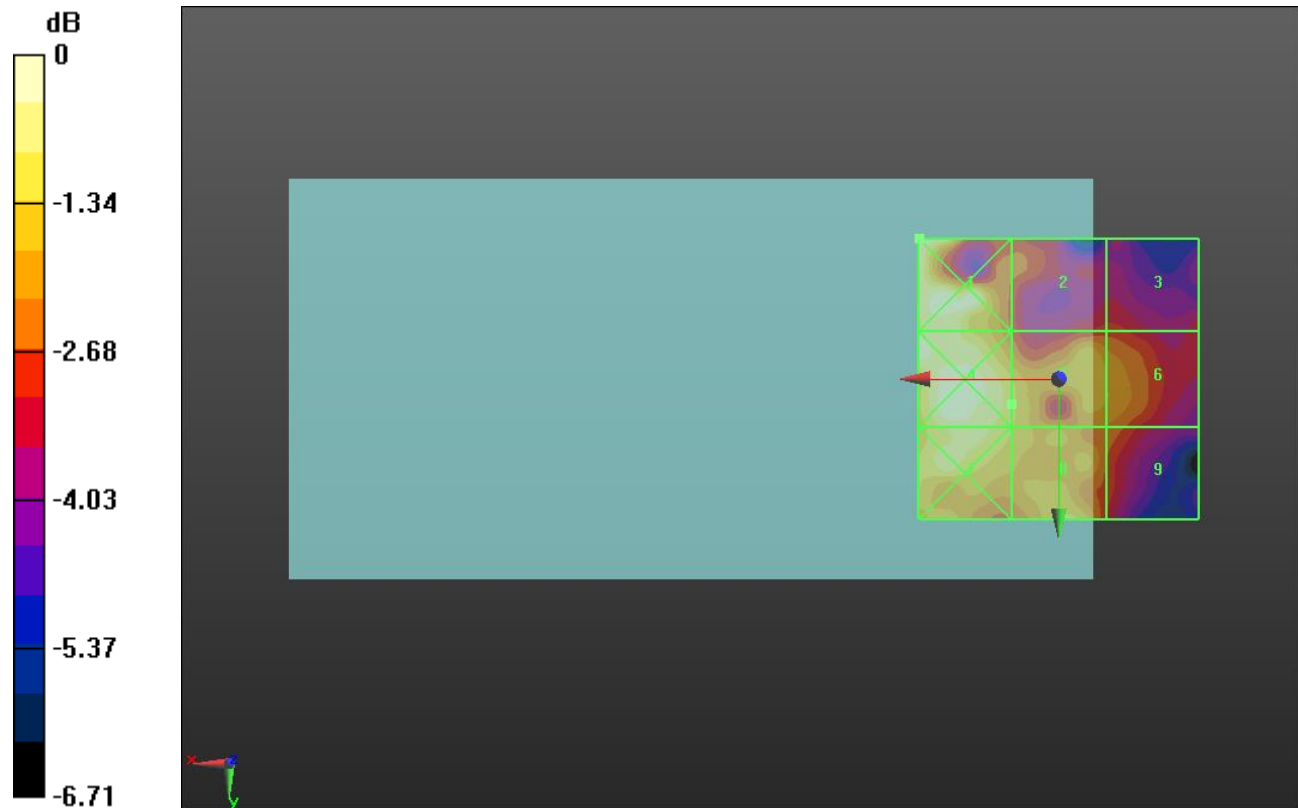
Applied MIF = -3.15 dB

RF audio interference level = 14.35 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 15.51 dBV/m	Grid 2 M4 13.08 dBV/m	Grid 3 M4 12.64 dBV/m
Grid 4 M4 15.49 dBV/m	Grid 5 M4 14.35 dBV/m	Grid 6 M4 13.78 dBV/m
Grid 7 M4 15 dBV/m	Grid 8 M4 14.32 dBV/m	Grid 9 M4 13.26 dBV/m



0 dB = 5.967 V/m = 15.52 dBV/m

HAC-RF Emission LAT

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041 (5-6 GHz); ConvF(1, 1, 1); Calibrated: 3/14/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/14/2016
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

802.11a E-Field measurement/IEEE 802.11a_OFDM 54 Mbps_ch 48/Hearing Aid Compatibility Test (101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 9.125 V/m; Power Drift = 0.04 dB

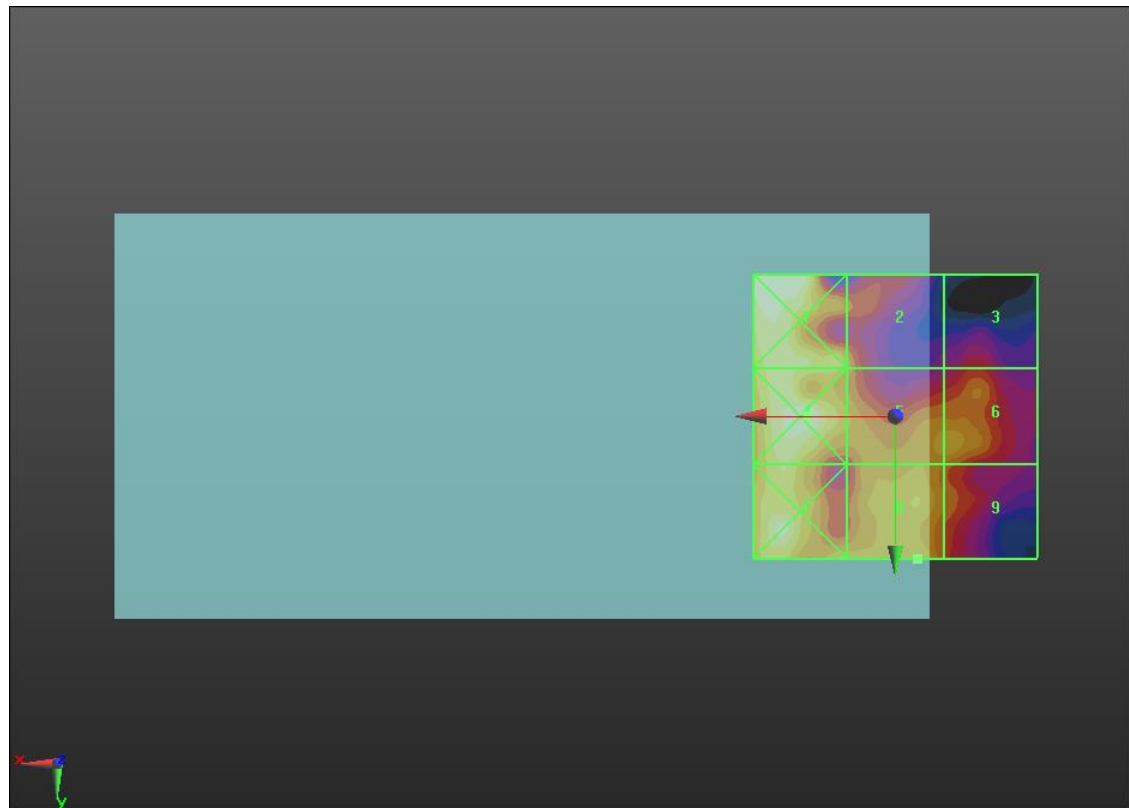
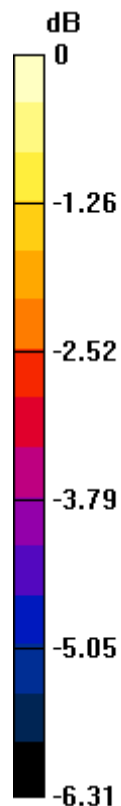
Applied MIF = -3.15 dB

RF audio interference level = 14.77 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 15.93 dBV/m	Grid 2 M4 14.29 dBV/m	Grid 3 M4 13.05 dBV/m
Grid 4 M4 15.96 dBV/m	Grid 5 M4 14.55 dBV/m	Grid 6 M4 14.61 dBV/m
Grid 7 M4 15.68 dBV/m	Grid 8 M4 14.77 dBV/m	Grid 9 M4 13.94 dBV/m



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

HAC-RF Emission LAT

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041 (5-6 GHz); ConvF(1, 1, 1); Calibrated: 3/14/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/14/2016
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

802.11a E-Field measurement/IEEE 802.11a_OFDM 54 Mbps_ch 52/Hearing Aid Compatibility Test (101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 8.342 V/m; Power Drift = 0.04 dB

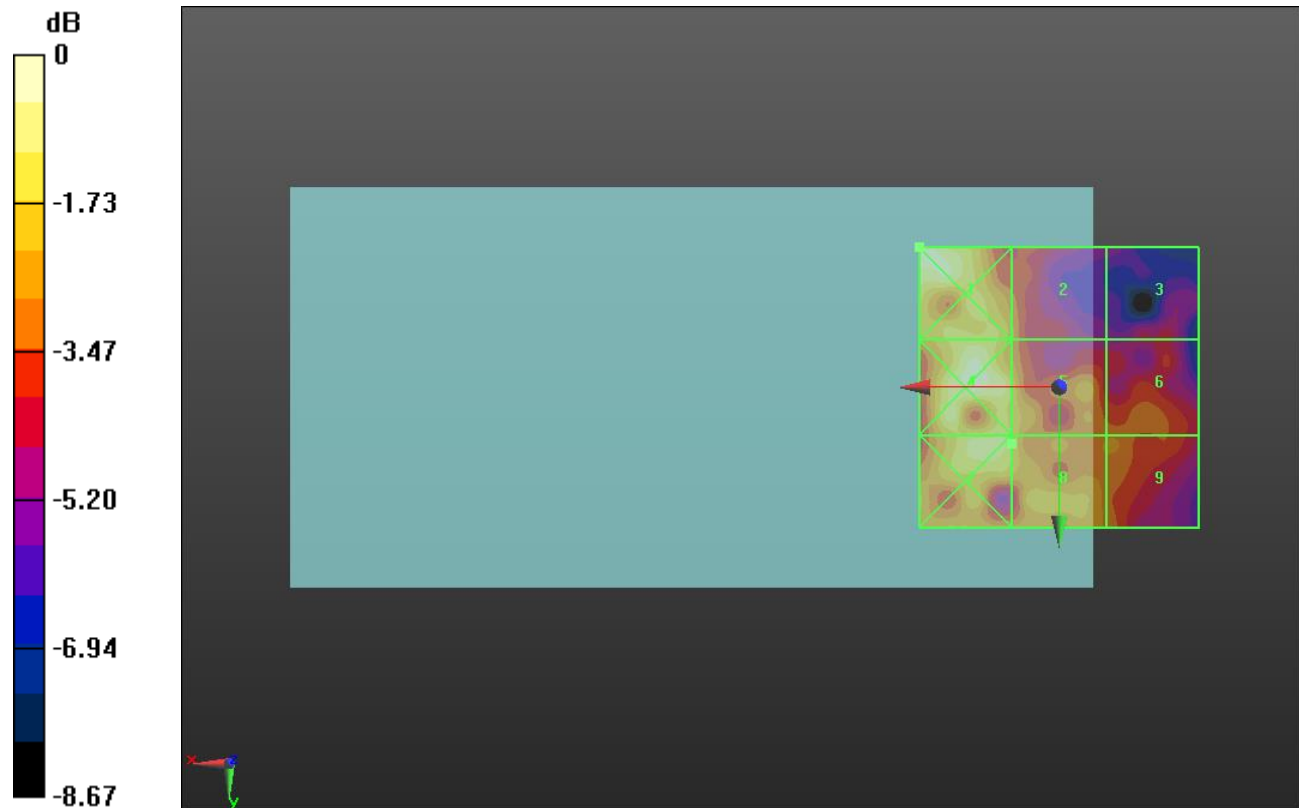
Applied MIF = -3.15 dB

RF audio interference level = 15.14 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 16.67 dBV/m	Grid 2 M4 14.05 dBV/m	Grid 3 M4 12.4 dBV/m
Grid 4 M4 16.41 dBV/m	Grid 5 M4 15 dBV/m	Grid 6 M4 13.72 dBV/m
Grid 7 M4 15.84 dBV/m	Grid 8 M4 15.14 dBV/m	Grid 9 M4 13.89 dBV/m



0 dB = 6.817 V/m = 16.67 dBV/m

HAC-RF Emission LAT

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041 (5-6 GHz); ConvF(1, 1, 1); Calibrated: 3/14/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/14/2016
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

802.11a E-Field measurement/IEEE 802.11a_OFDM 54 Mbps_ch 56/Hearing Aid Compatibility Test (101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 8.872 V/m; Power Drift = 0.19 dB

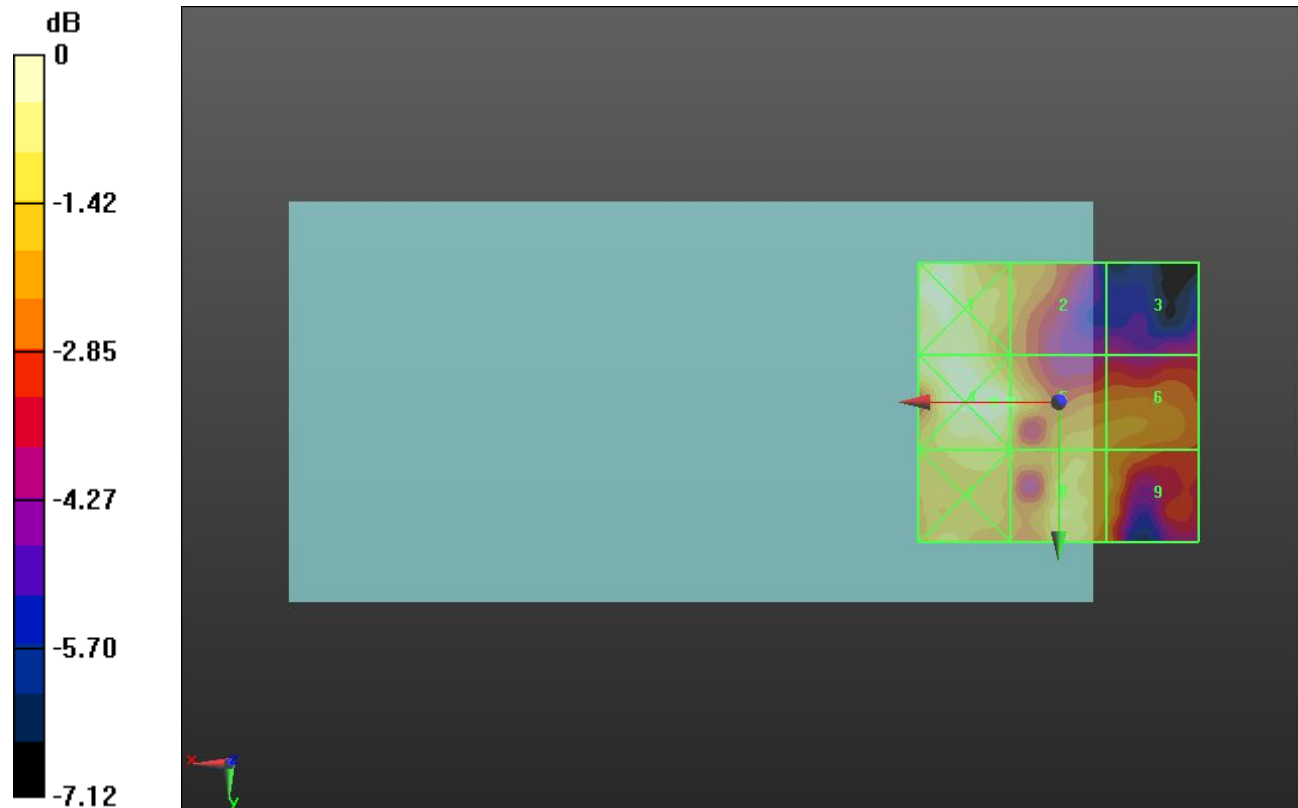
Applied MIF = -3.15 dB

RF audio interference level = 14.88 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 15.24 dBV/m	Grid 2 M4 13.82 dBV/m	Grid 3 M4 11.87 dBV/m
Grid 4 M4 15.54 dBV/m	Grid 5 M4 14.88 dBV/m	Grid 6 M4 13.8 dBV/m
Grid 7 M4 14.5 dBV/m	Grid 8 M4 14.64 dBV/m	Grid 9 M4 13.89 dBV/m



0 dB = 5.985 V/m = 15.54 dBV/m

HAC-RF Emission LAT

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041 (5-6 GHz); ConvF(1, 1, 1); Calibrated: 3/14/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/14/2016
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

802.11a E-Field measurement/IEEE 802.11a_OFDM 54 Mbps_ch 60/Hearing Aid Compatibility Test (101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 8.548 V/m; Power Drift = 0.02 dB

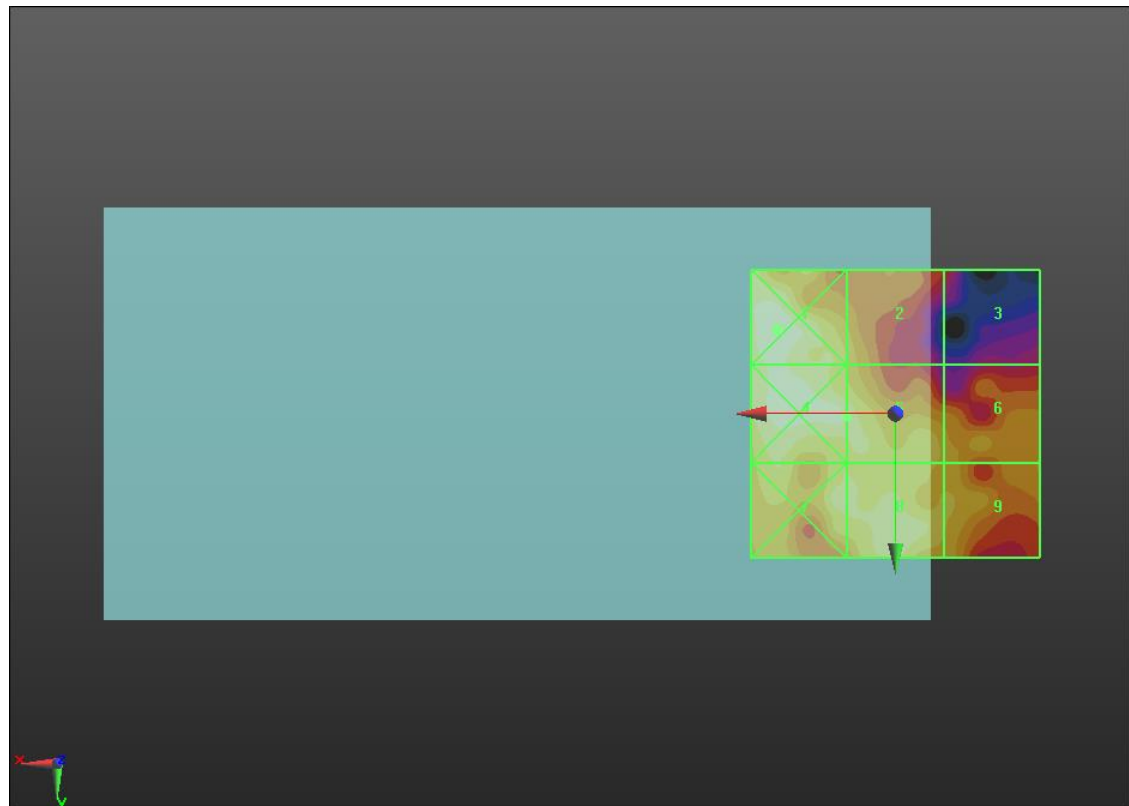
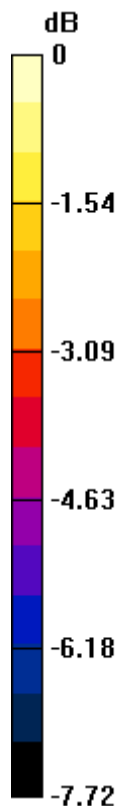
Applied MIF = -3.15 dB

RF audio interference level = 14.89 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 15.5 dBV/m	Grid 2 M4 14 dBV/m	Grid 3 M4 11.87 dBV/m
Grid 4 M4 15.3 dBV/m	Grid 5 M4 14.89 dBV/m	Grid 6 M4 13.84 dBV/m
Grid 7 M4 14.78 dBV/m	Grid 8 M4 14.75 dBV/m	Grid 9 M4 14.06 dBV/m



0 dB = 5.955 V/m = 15.50 dBV/m

HAC-RF Emission LAT

Communication System: UID 10069 - CAB, IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps); Frequency: 5540 MHz; Duty Cycle: 1:11.3763

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041 (5-6 GHz); ConvF(1, 1, 1); Calibrated: 3/14/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/14/2016
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

802.11a E-Field measurement/IEEE 802.11a_OFDM 54 Mbps_ch 108/Hearing Aid Compatibility Test (101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 5.956 V/m; Power Drift = -0.20 dB

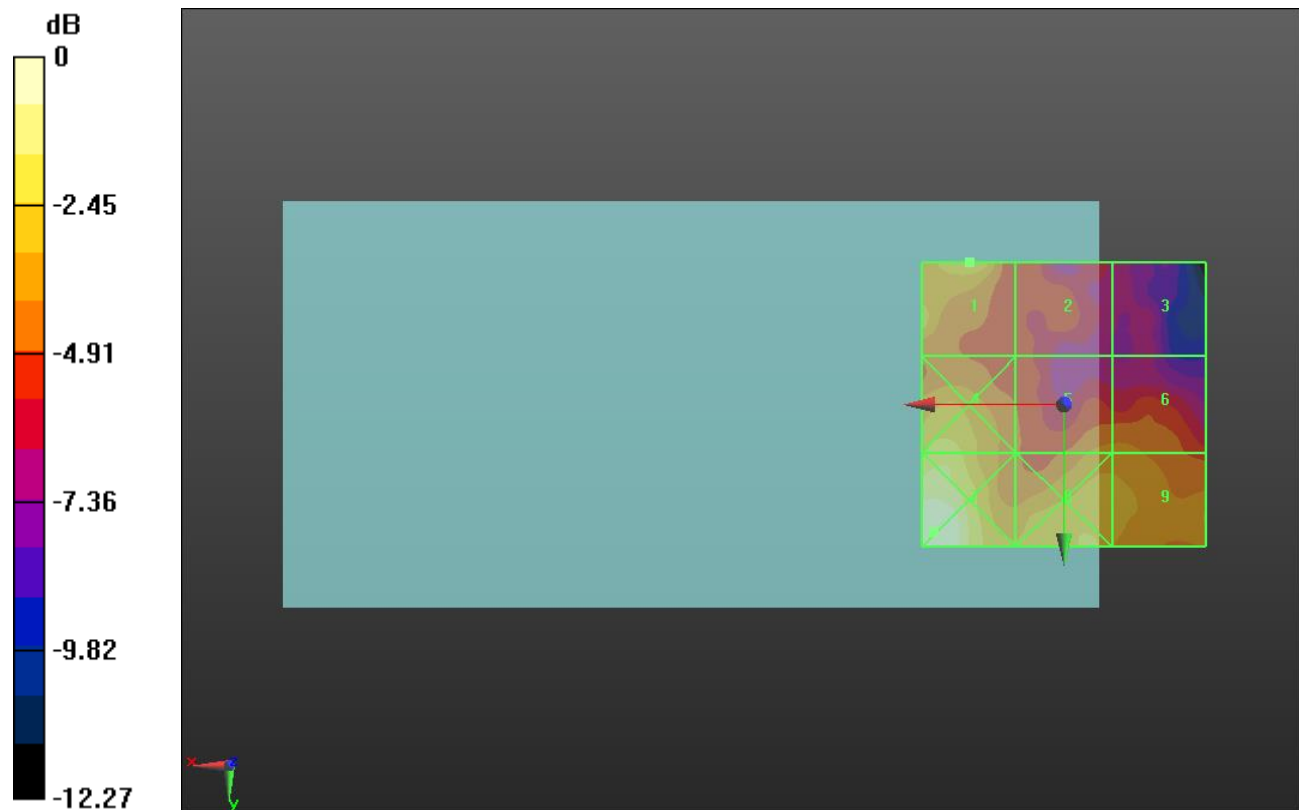
Applied MIF = -3.15 dB

RF audio interference level = 12.46 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 12.46 dBV/m	Grid 2 M4 9.82 dBV/m	Grid 3 M4 8.12 dBV/m
Grid 4 M4 12.77 dBV/m	Grid 5 M4 10.98 dBV/m	Grid 6 M4 10.98 dBV/m
Grid 7 M4 14.74 dBV/m	Grid 8 M4 12.47 dBV/m	Grid 9 M4 11.74 dBV/m



0 dB = 5.456 V/m = 14.74 dBV/m

HAC-RF Emission LAT

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041 (5-6 GHz); ConvF(1, 1, 1); Calibrated: 3/14/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/14/2016
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

802.11a E-Field measurement/IEEE 802.11a_OFDM 54 Mbps_ch 124/Hearing Aid Compatibility Test (101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 6.419 V/m; Power Drift = 0.20 dB

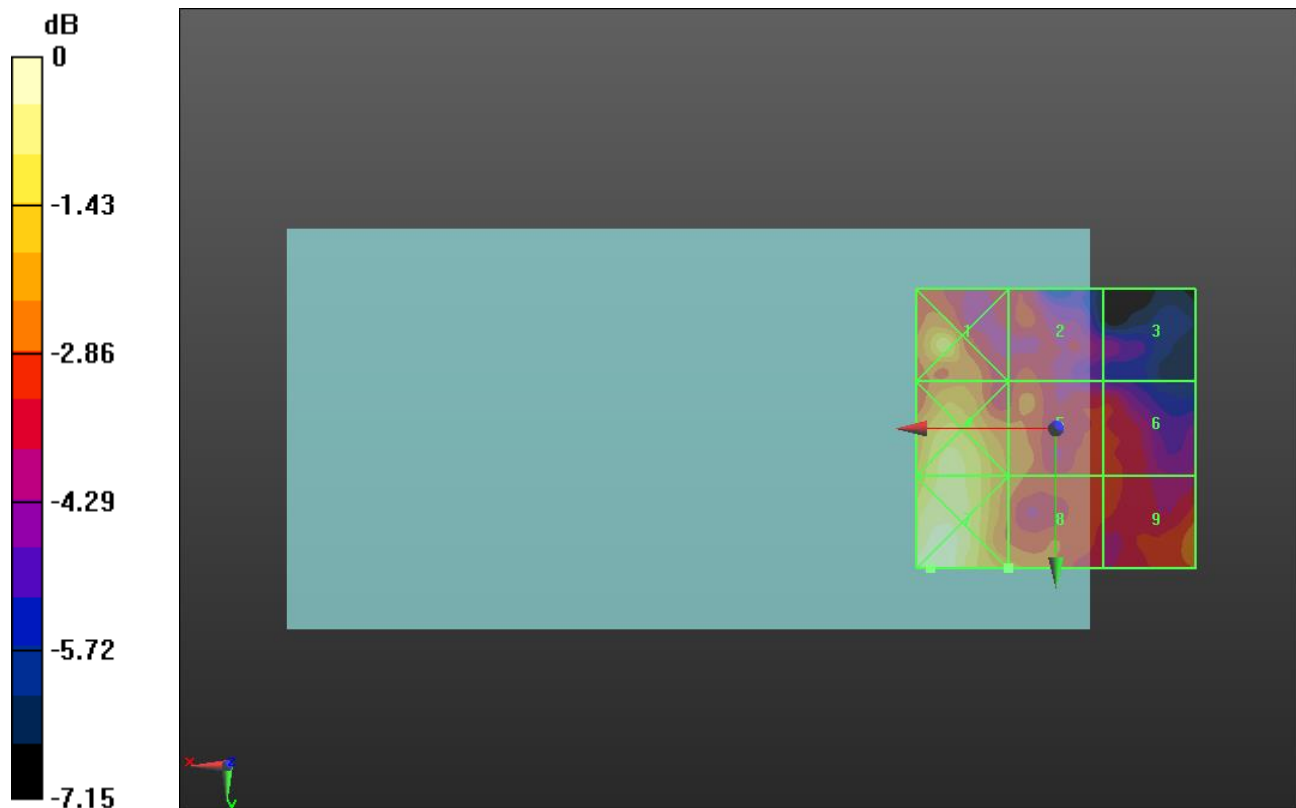
Applied MIF = -3.15 dB

RF audio interference level = 11.56 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 12.55 dBV/m	Grid 2 M4 10.6 dBV/m	Grid 3 M4 9.29 dBV/m
Grid 4 M4 12.89 dBV/m	Grid 5 M4 11.23 dBV/m	Grid 6 M4 10.51 dBV/m
Grid 7 M4 13.64 dBV/m	Grid 8 M4 11.56 dBV/m	Grid 9 M4 11.35 dBV/m



0 dB = 4.808 V/m = 13.64 dBV/m

HAC-RF Emission LAT

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041 (5-6 GHz); ConvF(1, 1, 1); Calibrated: 3/14/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/14/2016
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

802.11a E-Field measurement/IEEE 802.11a_OFDM 54 Mbps_ch 144/Hearing Aid Compatibility Test (101x101x1):

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 6.782 V/m; Power Drift = 0.00 dB

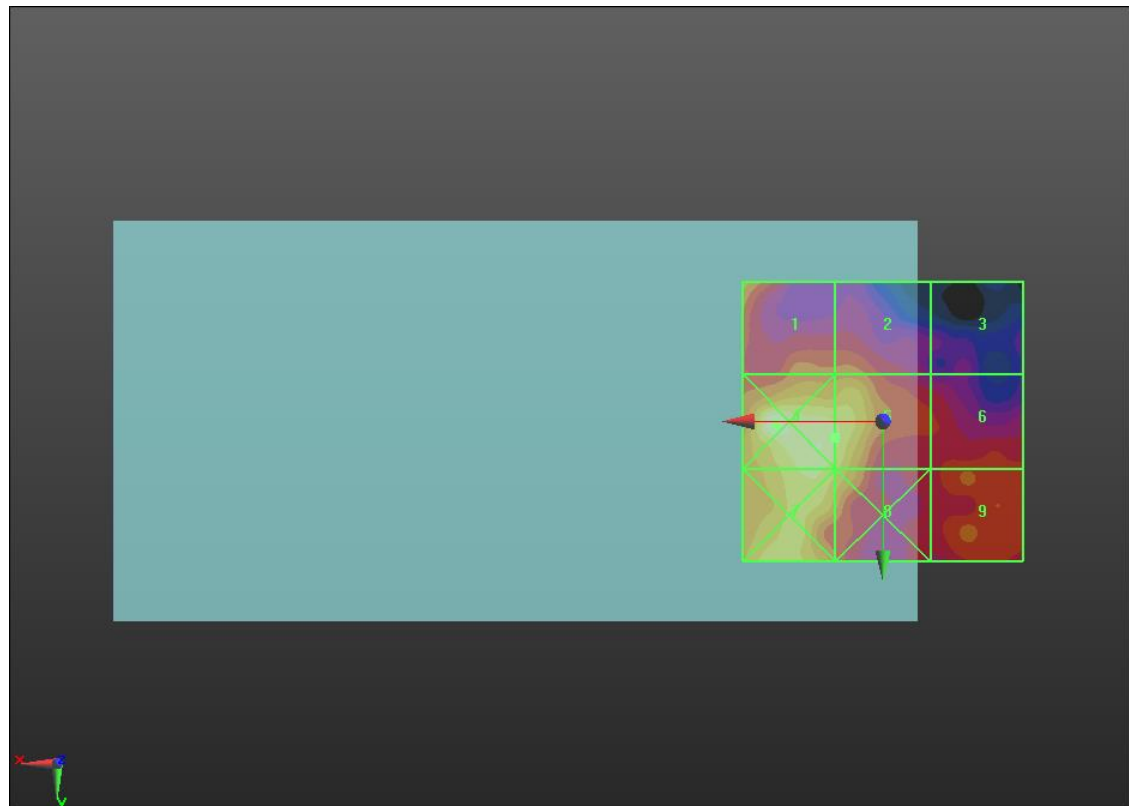
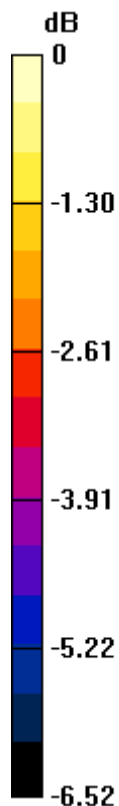
Applied MIF = -3.15 dB

RF audio interference level = 11.87 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 10.81 dBV/m	Grid 2 M4 10.29 dBV/m	Grid 3 M4 8.46 dBV/m
Grid 4 M4 12.6 dBV/m	Grid 5 M4 11.87 dBV/m	Grid 6 M4 9.94 dBV/m
Grid 7 M4 11.87 dBV/m	Grid 8 M4 11.43 dBV/m	Grid 9 M4 10.16 dBV/m



0 dB = 4.268 V/m = 12.60 dBV/m

HAC-RF Emission LAT

Communication System: UID 10069 - CAB, IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps); Frequency: 5765 MHz; Duty Cycle: 1:11.3763

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041 (5-6 GHz); ConvF(1, 1, 1); Calibrated: 3/14/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/14/2016
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

802.11a E-Field measurement/IEEE 802.11a_OFDM 54 Mbps_ch 153/Hearing Aid Compatibility Test (101x101x1):

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 6.859 V/m; Power Drift = -0.11 dB

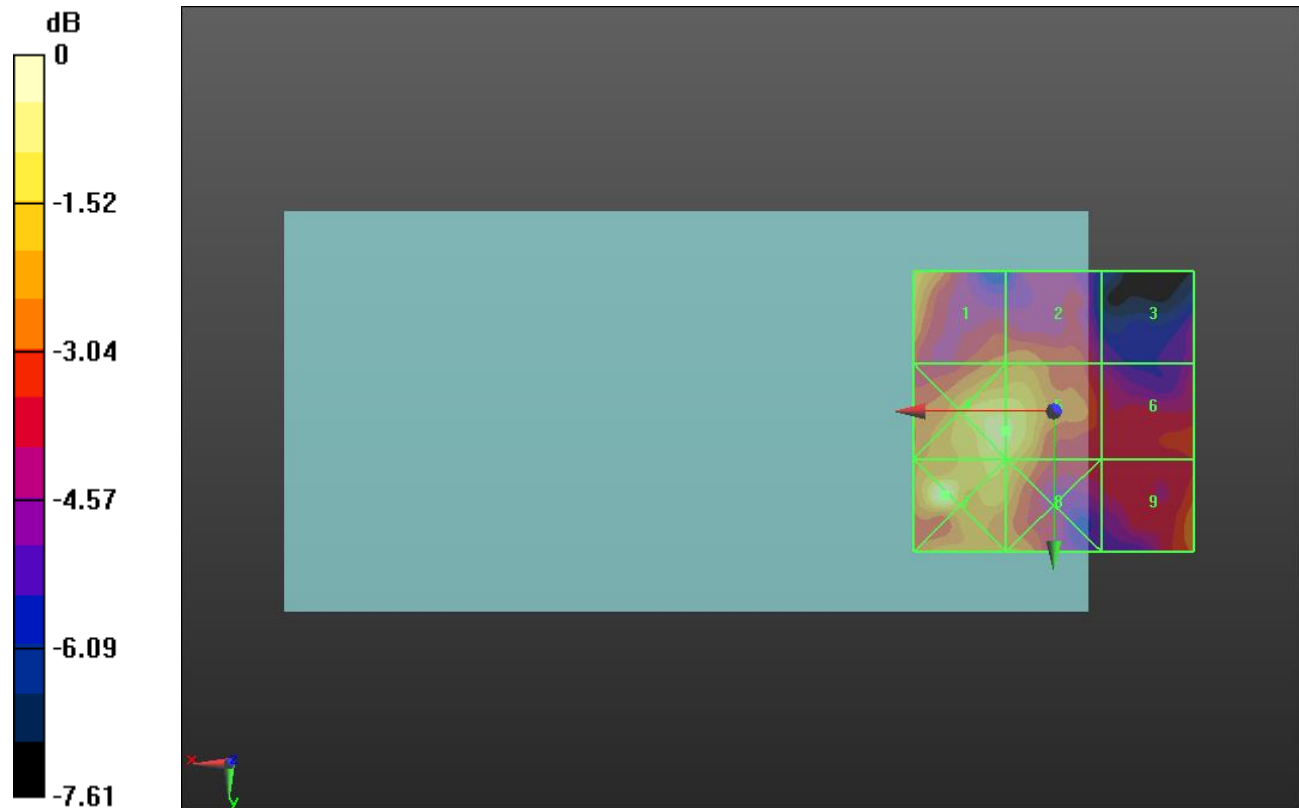
Applied MIF = -3.15 dB

RF audio interference level = 12.22 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 11.55 dBV/m	Grid 2 M4 10.48 dBV/m	Grid 3 M4 8.5 dBV/m
Grid 4 M4 12.32 dBV/m	Grid 5 M4 12.22 dBV/m	Grid 6 M4 9.86 dBV/m
Grid 7 M4 13.03 dBV/m	Grid 8 M4 11.63 dBV/m	Grid 9 M4 10.6 dBV/m



0 dB = 4.484 V/m = 13.03 dBV/m

HAC-RF Emission LAT

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041 (5-6 GHz); ConvF(1, 1, 1); Calibrated: 3/14/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/14/2016
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

802.11a E-Field measurement/IEEE 802.11a_OFDM 54 Mbps_ch 157/Hearing Aid Compatibility Test (101x101x1):

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 7.264 V/m; Power Drift = 0.17 dB

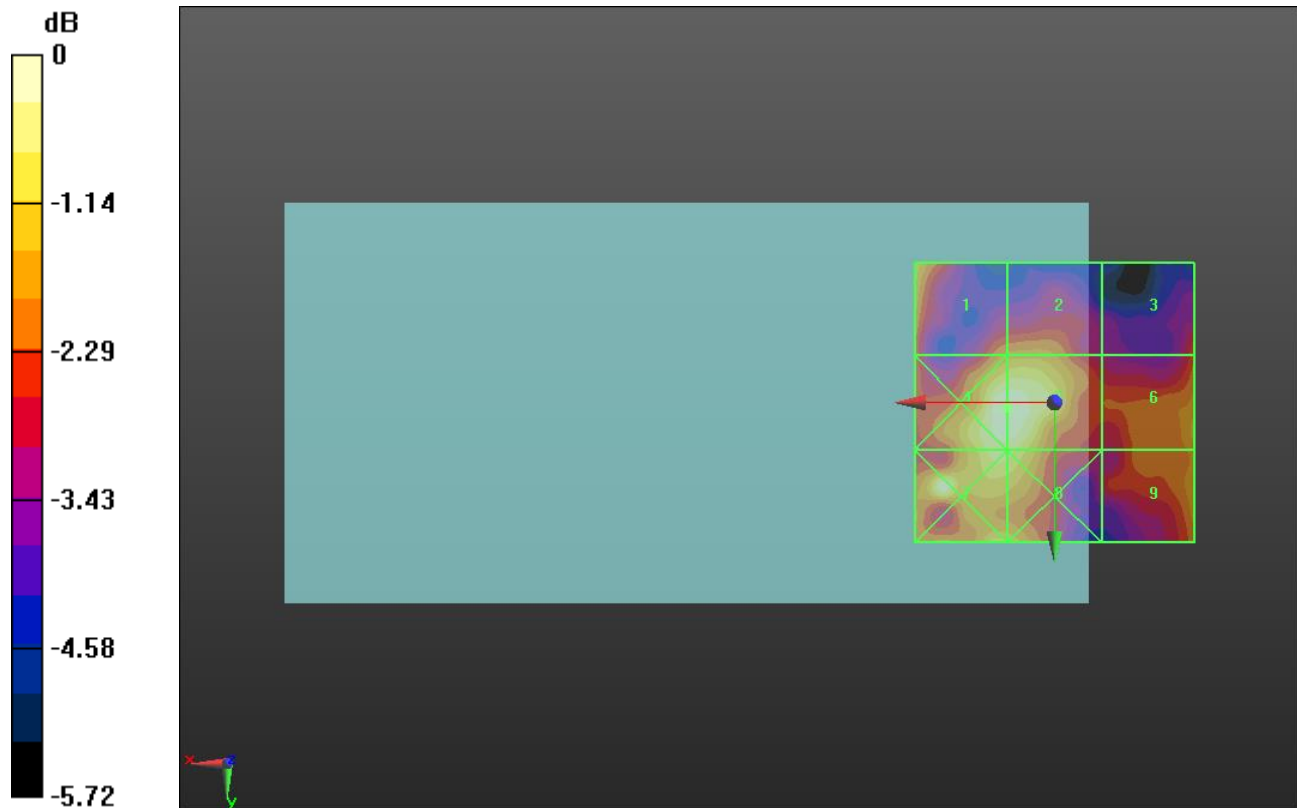
Applied MIF = -3.15 dB

RF audio interference level = 12.51 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 11.34 dBV/m	Grid 2 M4 10.84 dBV/m	Grid 3 M4 10.31 dBV/m
Grid 4 M4 12.51 dBV/m	Grid 5 M4 12.51 dBV/m	Grid 6 M4 11.19 dBV/m
Grid 7 M4 12.41 dBV/m	Grid 8 M4 11.94 dBV/m	Grid 9 M4 11.03 dBV/m



0 dB = 4.221 V/m = 12.51 dBV/m

HAC-RF Emission LAT

Communication System: UID 10069 - CAB, IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps); Frequency: 5805 MHz; Duty Cycle: 1:11.3763

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041 (5-6 GHz); ConvF(1, 1, 1); Calibrated: 3/14/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/14/2016
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

802.11a E-Field measurement/IEEE 802.11a_OFDM 54 Mbps_ch 161/Hearing Aid Compatibility Test (101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 7.855 V/m; Power Drift = -0.41 dB

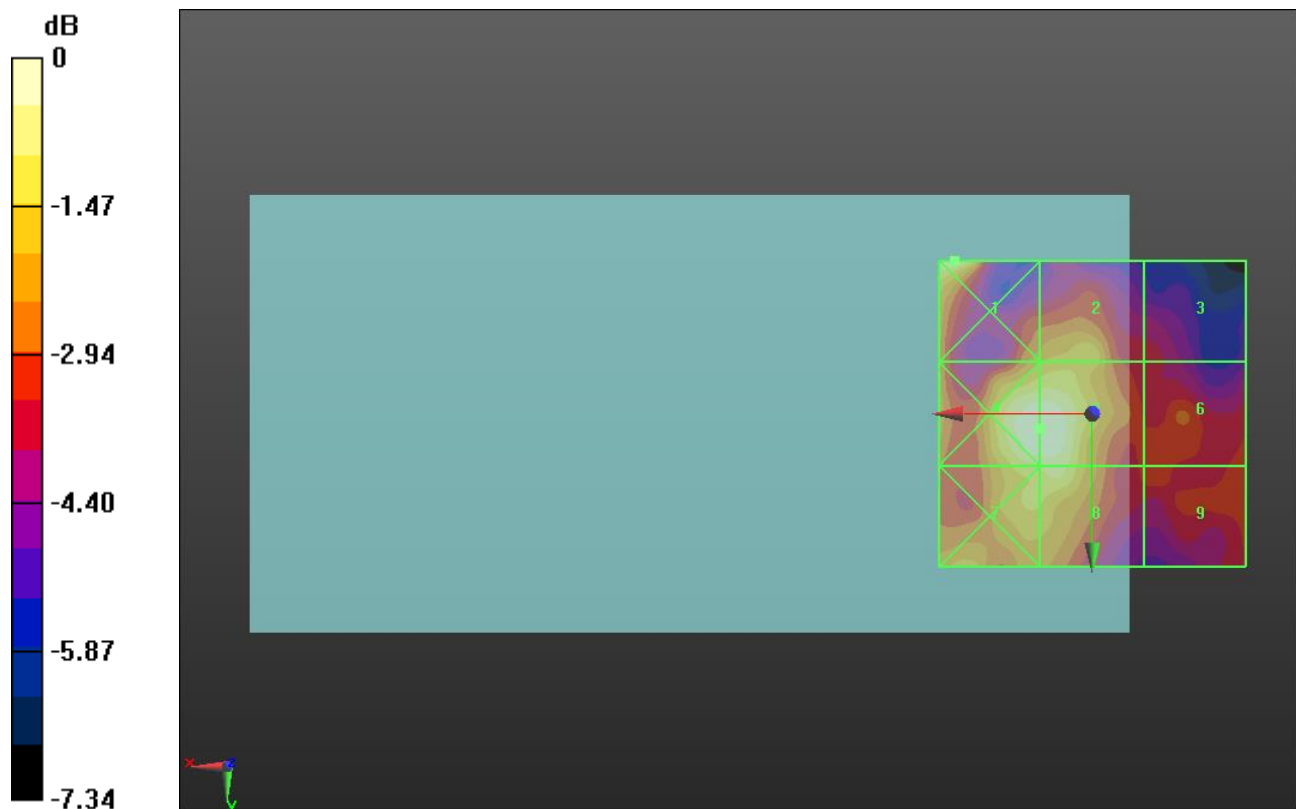
Applied MIF = -3.15 dB

RF audio interference level = 12.87 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 12.89 dBV/m	Grid 2 M4 11.42 dBV/m	Grid 3 M4 9.28 dBV/m
Grid 4 M4 12.87 dBV/m	Grid 5 M4 12.87 dBV/m	Grid 6 M4 10.07 dBV/m
Grid 7 M4 11.97 dBV/m	Grid 8 M4 12.19 dBV/m	Grid 9 M4 9.88 dBV/m



0 dB = 4.408 V/m = 12.88 dBV/m