

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 = 79.65 V/m; Power Drift = 0.02 dB

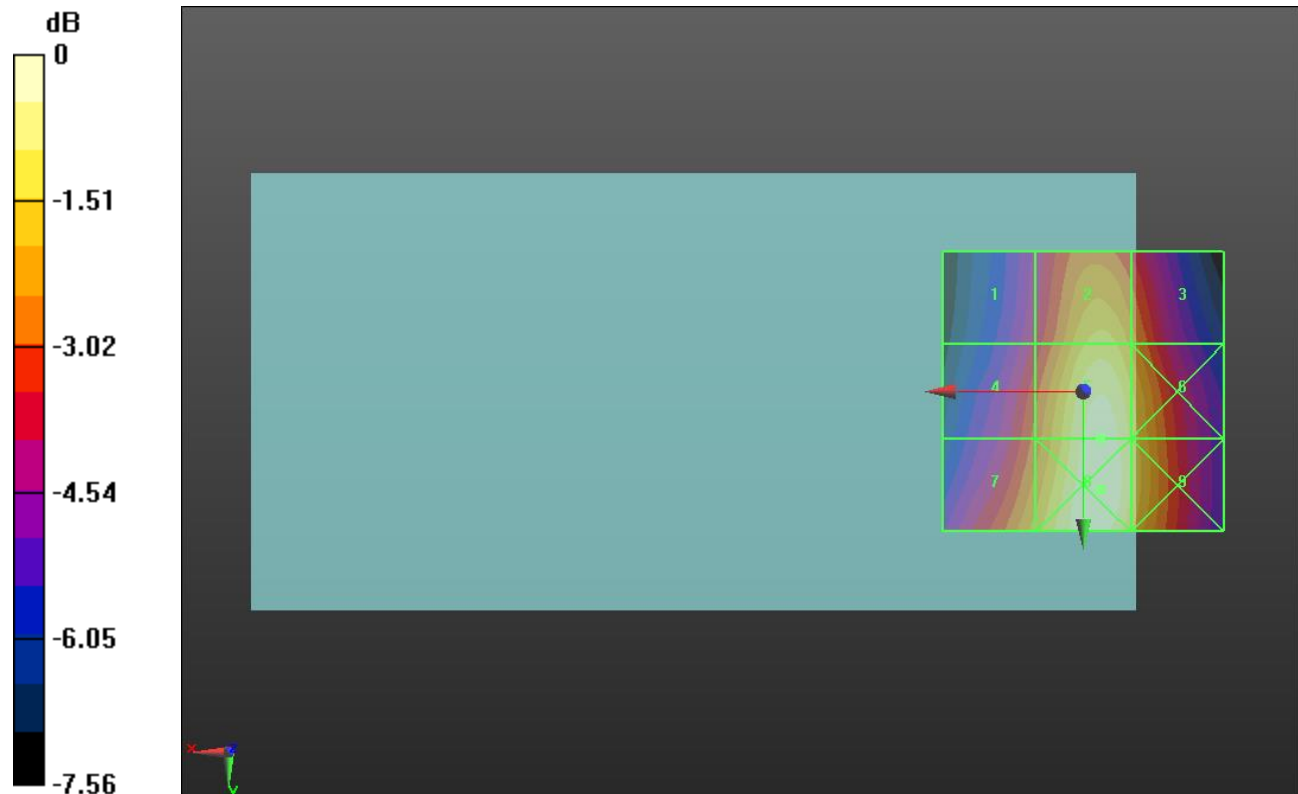
Applied MIF = 3.63 dB

RF audio interference level = 38.30 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 34.65 dBV/m	Grid 2 M4 37.21 dBV/m	Grid 3 M4 36.33 dBV/m
Grid 4 M4 35.68 dBV/m	Grid 5 M4 38.3 dBV/m	Grid 6 M4 37.37 dBV/m
Grid 7 M4 36.73 dBV/m	Grid 8 M4 38.47 dBV/m	Grid 9 M4 37.49 dBV/m



0 dB = 83.81 V/m = 38.47 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 = 83.37 V/m; Power Drift = -0.01 dB

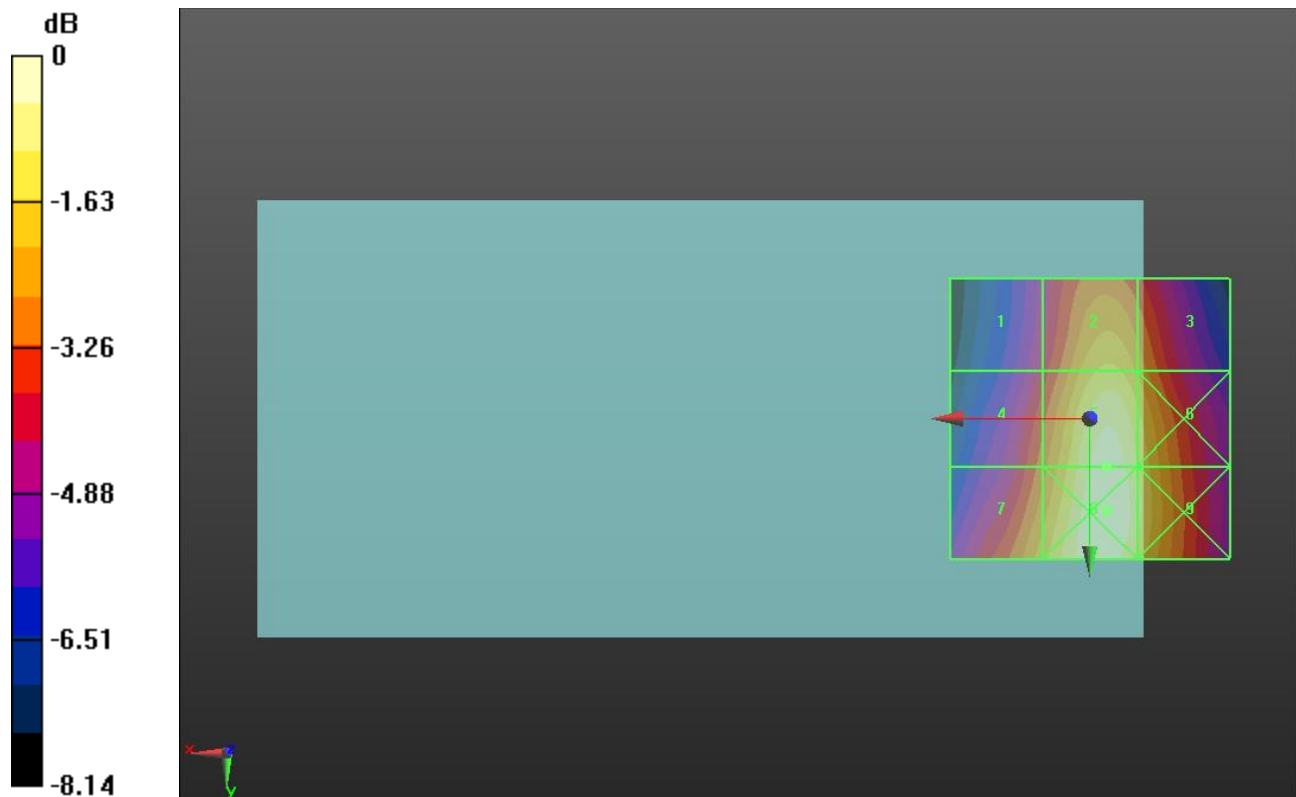
Applied MIF = 3.63 dB

RF audio interference level = 38.74 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 34.87 dBV/m	Grid 2 M4 37.51 dBV/m	Grid 3 M4 36.72 dBV/m
Grid 4 M4 36.03 dBV/m	Grid 5 M4 38.74 dBV/m	Grid 6 M4 37.89 dBV/m
Grid 7 M4 37.12 dBV/m	Grid 8 M4 38.97 dBV/m	Grid 9 M4 38.06 dBV/m



0 dB = 88.86 V/m = 38.97 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 = 85.72 V/m; Power Drift = -0.06 dB

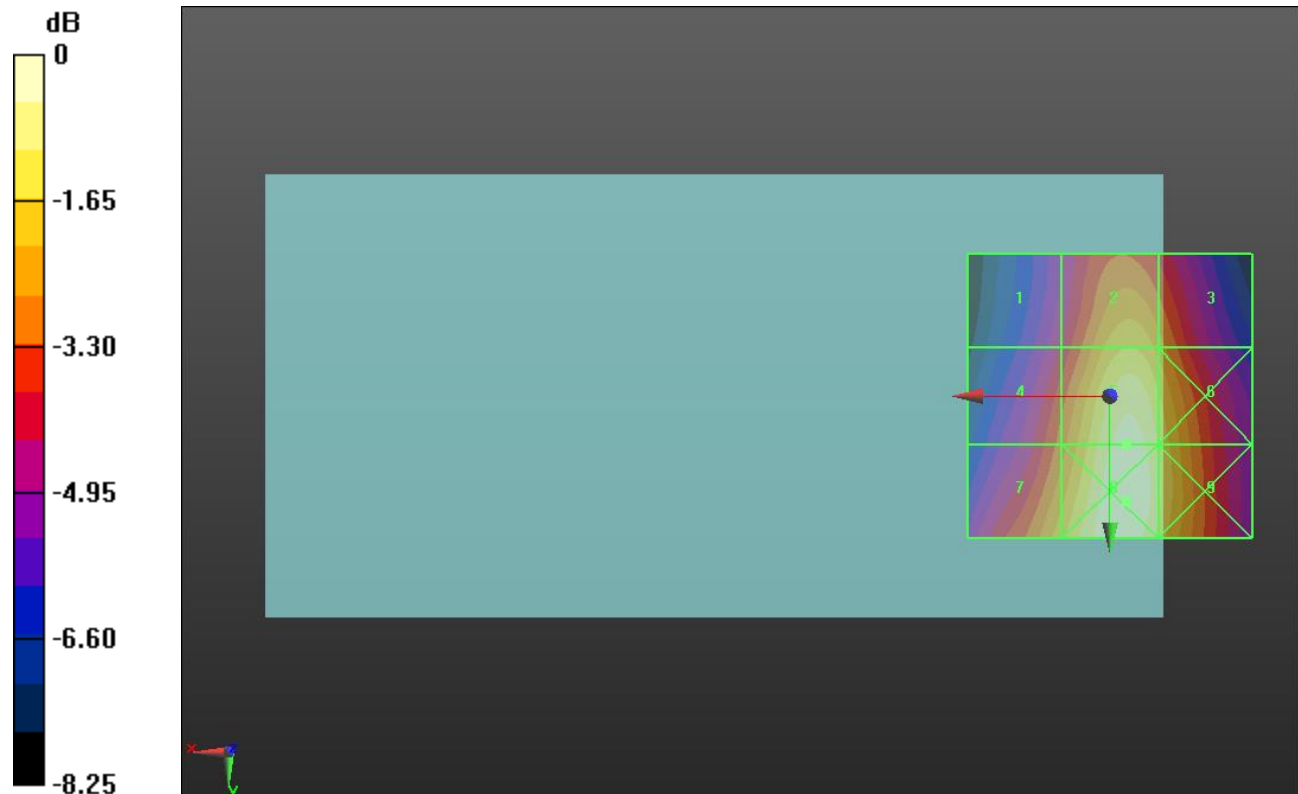
Applied MIF = 3.63 dB

RF audio interference level = 39.06 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 35.05 dBV/m	Grid 2 M4 37.7 dBV/m	Grid 3 M4 36.94 dBV/m
Grid 4 M4 36.35 dBV/m	Grid 5 M4 39.06 dBV/m	Grid 6 M4 38.22 dBV/m
Grid 7 M4 37.54 dBV/m	Grid 8 M4 39.33 dBV/m	Grid 9 M4 38.4 dBV/m



0 dB = 92.57 V/m = 39.33 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 = 34.96 V/m; Power Drift = -0.02 dB

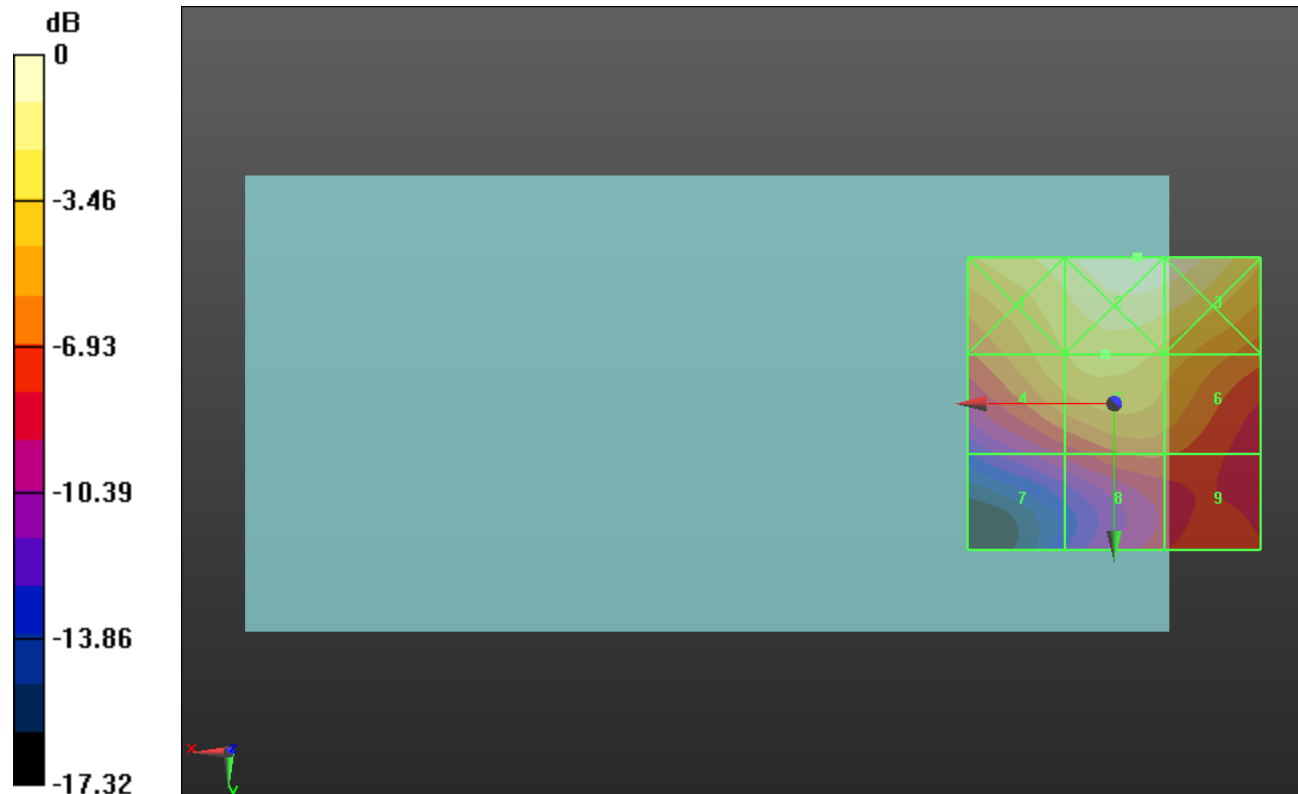
Applied MIF = 3.63 dB

RF audio interference level = 31.50 dBV/m

Emission category: M3

MIF scaled E-field

Grid 1 M3 32.93 dBV/m	Grid 2 M3 34.41 dBV/m	Grid 3 M3 34.16 dBV/m
Grid 4 M3 30.88 dBV/m	Grid 5 M3 31.5 dBV/m	Grid 6 M3 30.61 dBV/m
Grid 7 M4 25.56 dBV/m	Grid 8 M4 27.73 dBV/m	Grid 9 M4 27.64 dBV/m



0 dB = 52.53 V/m = 34.41 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 = 31.44 V/m; Power Drift = 0.03 dB

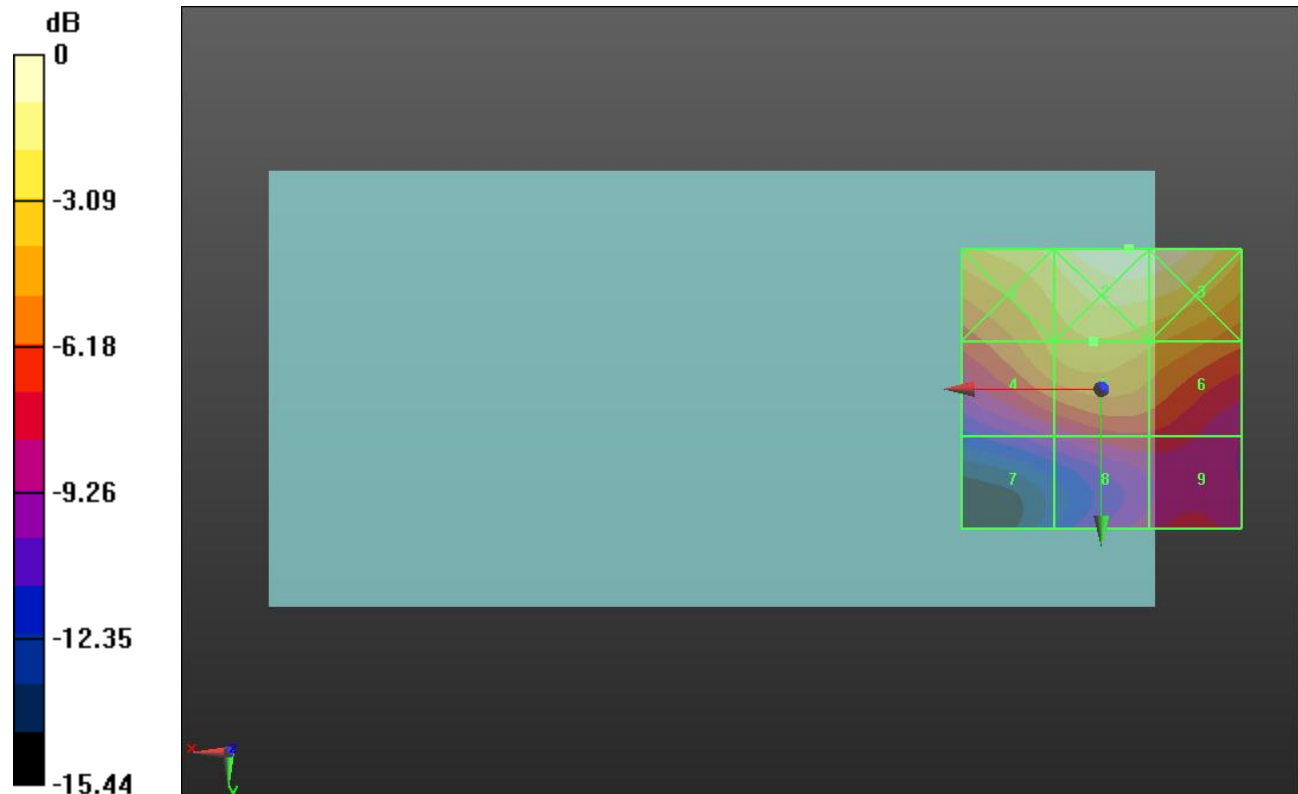
Applied MIF = 3.63 dB

RF audio interference level = 31.35 dBV/m

Emission category: M3

MIF scaled E-field

Grid 1 M3 32.9 dBV/m	Grid 2 M3 34.52 dBV/m	Grid 3 M3 34.37 dBV/m
Grid 4 M3 30.76 dBV/m	Grid 5 M3 31.35 dBV/m	Grid 6 M3 30.69 dBV/m
Grid 7 M4 25.34 dBV/m	Grid 8 M4 27.13 dBV/m	Grid 9 M4 27.07 dBV/m



0 dB = 53.22 V/m = 34.52 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 = 29.98 V/m; Power Drift = -0.05 dB

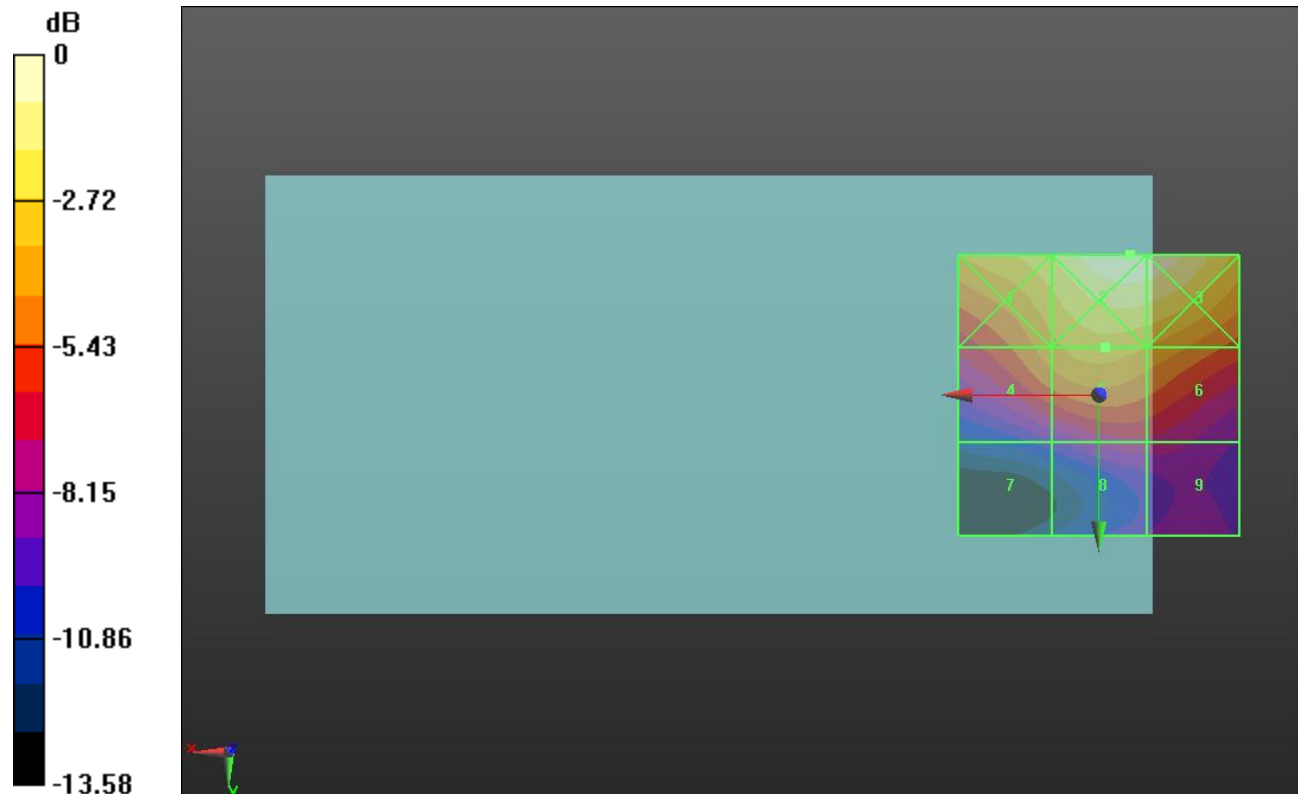
Applied MIF = 3.63 dB

RF audio interference level = 31.65 dBV/m

Emission category: M3

MIF scaled E-field

Grid 1 M3 33.04 dBV/m	Grid 2 M3 34.77 dBV/m	Grid 3 M3 34.66 dBV/m
Grid 4 M3 30.85 dBV/m	Grid 5 M3 31.65 dBV/m	Grid 6 M3 31.16 dBV/m
Grid 7 M4 25.43 dBV/m	Grid 8 M4 27.32 dBV/m	Grid 9 M4 27.26 dBV/m



0 dB = 54.78 V/m = 34.77 dBV/m

HAC-RF Emission UAT

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 = 40.96 V/m; Power Drift = 0.03 dB

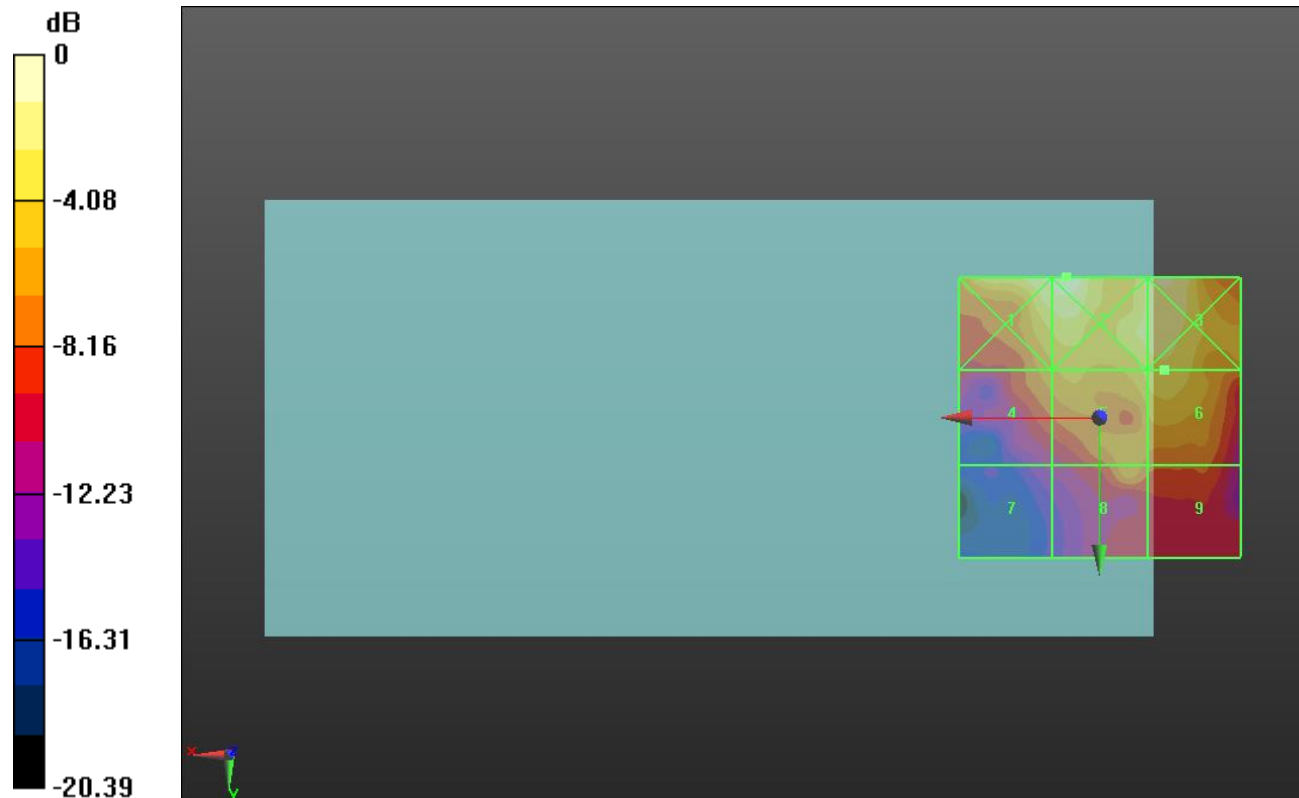
Applied MIF = -2.02 dB

RF audio interference level = 30.54 dBV/m

Emission category: **M3**

MIF scaled E-field

Grid 1 M3 32.83 dBV/m	Grid 2 M3 33.54 dBV/m	Grid 3 M3 32.49 dBV/m
Grid 4 M4 27.77 dBV/m	Grid 5 M4 29.98 dBV/m	Grid 6 M3 30.54 dBV/m
Grid 7 M4 21.88 dBV/m	Grid 8 M4 27.65 dBV/m	Grid 9 M4 26.16 dBV/m



0 dB = 47.53 V/m = 33.54 dBV/m

HAC-RF Emission UAT

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 = 39.40 V/m; Power Drift = 0.01 dB

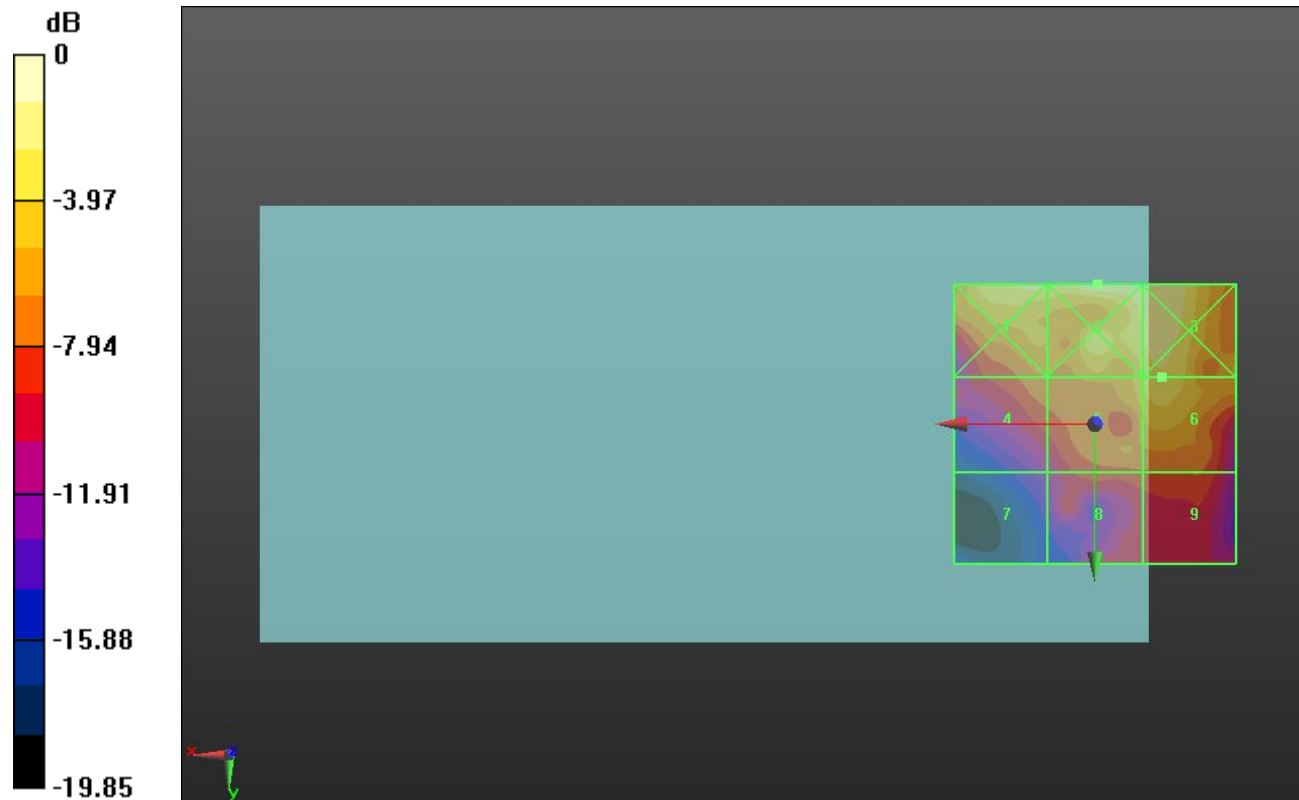
Applied MIF = -2.02 dB

RF audio interference level = 30.68 dBV/m

Emission category: **M3**

MIF scaled E-field

Grid 1 M3 32.06 dBV/m	Grid 2 M3 33.55 dBV/m	Grid 3 M3 32.64 dBV/m
Grid 4 M4 26.89 dBV/m	Grid 5 M4 29.69 dBV/m	Grid 6 M3 30.68 dBV/m
Grid 7 M4 21.81 dBV/m	Grid 8 M4 25.5 dBV/m	Grid 9 M4 25.82 dBV/m



0 dB = 47.61 V/m = 33.55 dBV/m

HAC-RF Emission UAT

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 = 37.37 V/m; Power Drift = 0.73 dB

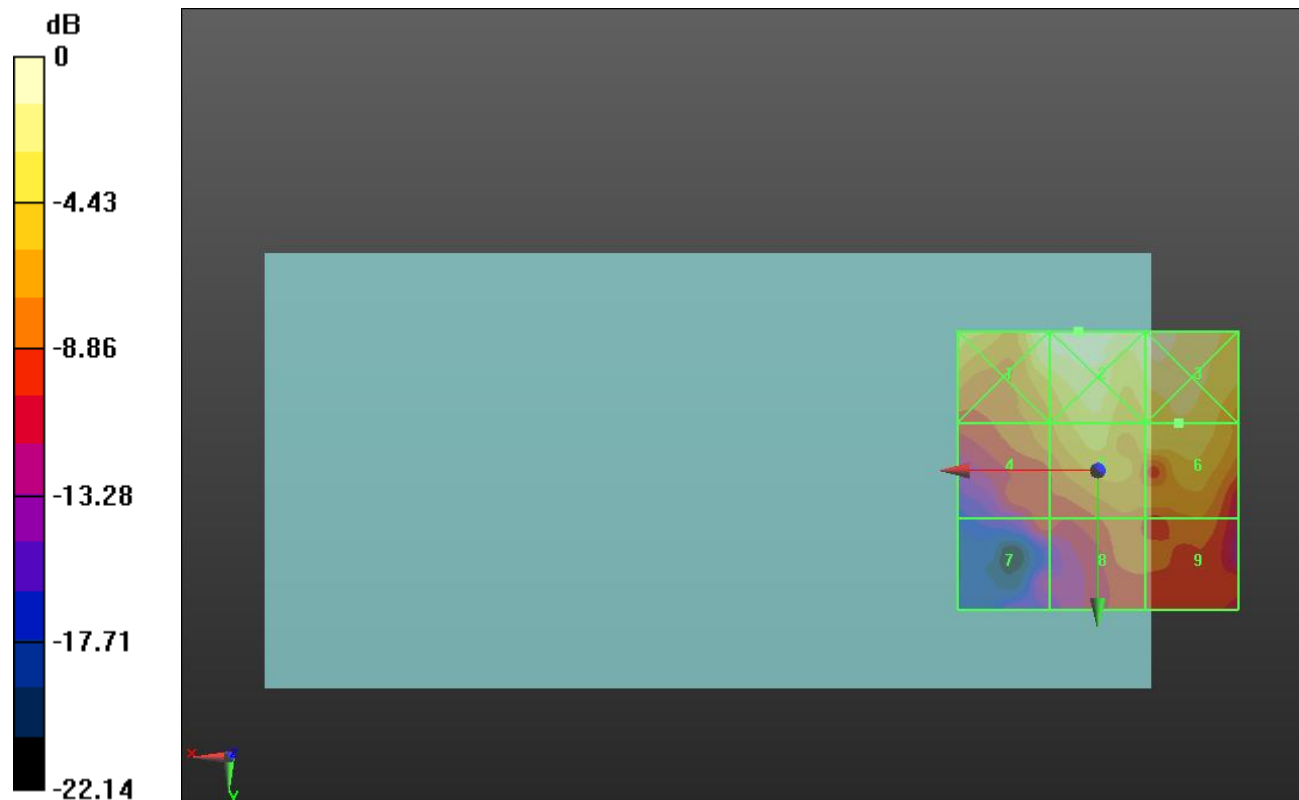
Applied MIF = -2.02 dB

RF audio interference level = 30.02 dBV/m

Emission category: **M3**

MIF scaled E-field

Grid 1 M3 33.01 dBV/m	Grid 2 M3 33.11 dBV/m	Grid 3 M3 32.38 dBV/m
Grid 4 M4 26.94 dBV/m	Grid 5 M4 29.74 dBV/m	Grid 6 M3 30.02 dBV/m
Grid 7 M4 24.11 dBV/m	Grid 8 M4 25.64 dBV/m	Grid 9 M4 25.74 dBV/m



0 dB = 45.24 V/m = 33.11 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 = 40.97 V/m; Power Drift = -0.02 dB

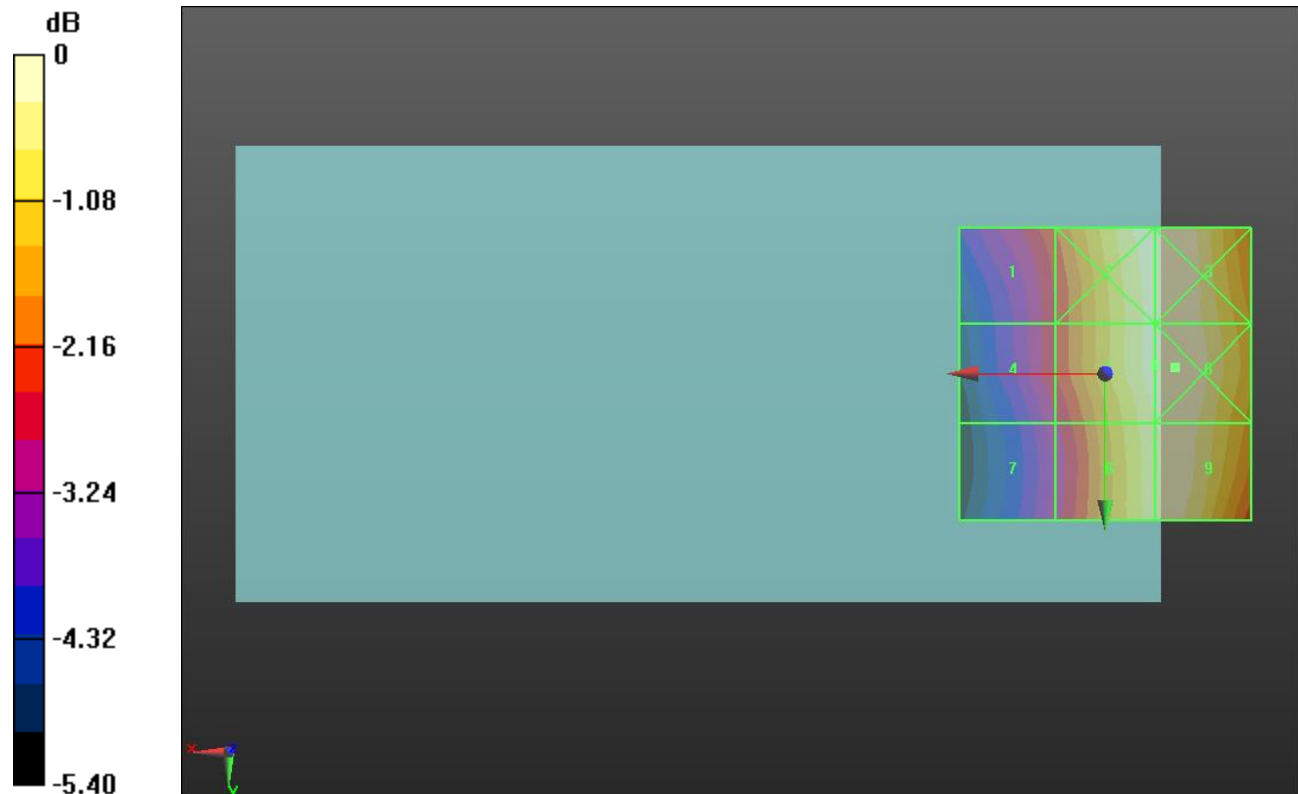
Applied MIF = 3.63 dB

RF audio interference level = 34.59 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 32.59 dBV/m	Grid 2 M4 34.65 dBV/m	Grid 3 M4 34.68 dBV/m
Grid 4 M4 32.25 dBV/m	Grid 5 M4 34.59 dBV/m	Grid 6 M4 34.73 dBV/m
Grid 7 M4 31.77 dBV/m	Grid 8 M4 34.34 dBV/m	Grid 9 M4 34.53 dBV/m



0 dB = 54.50 V/m = 34.73 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 = 42.13 V/m; Power Drift = 0.03 dB

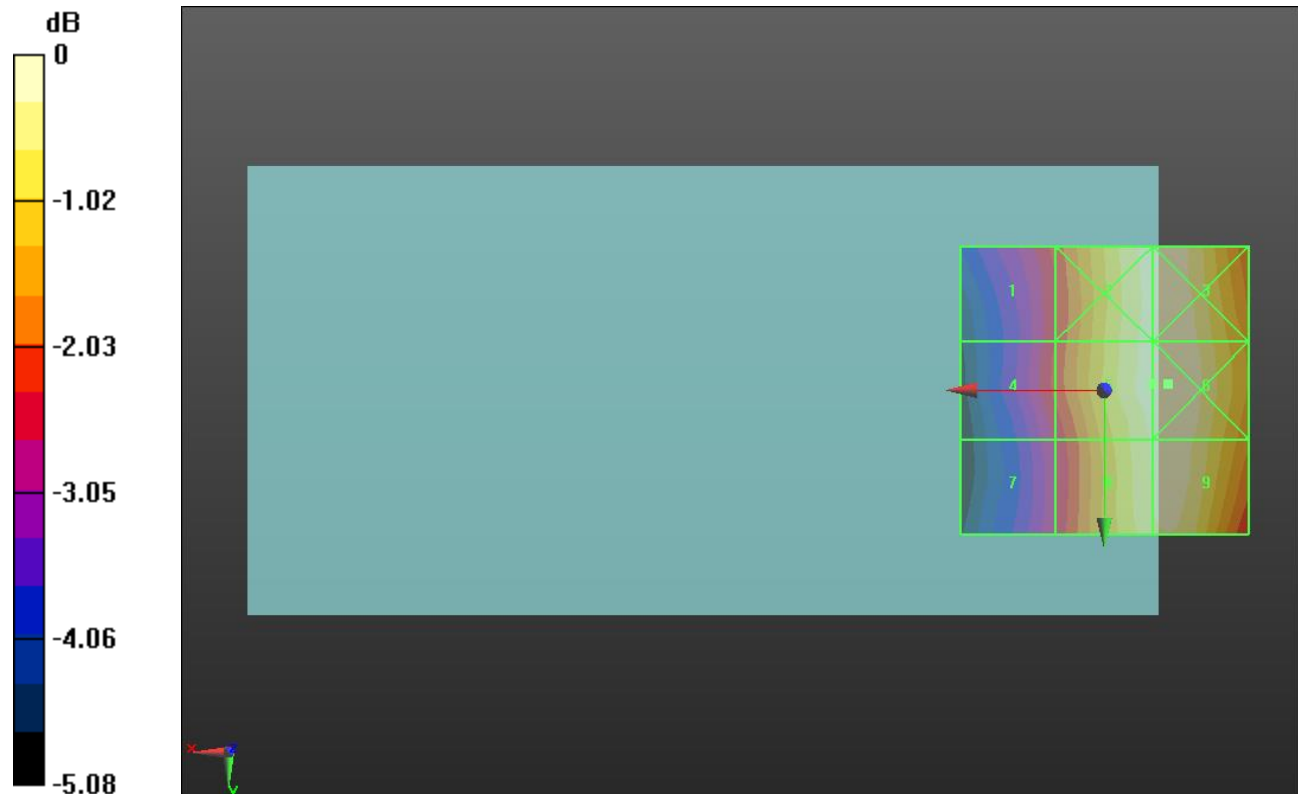
Applied MIF = 3.63 dB

RF audio interference level = 34.63 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 32.49 dBV/m	Grid 2 M4 34.55 dBV/m	Grid 3 M4 34.62 dBV/m
Grid 4 M4 32.46 dBV/m	Grid 5 M4 34.63 dBV/m	Grid 6 M4 34.71 dBV/m
Grid 7 M4 32.07 dBV/m	Grid 8 M4 34.43 dBV/m	Grid 9 M4 34.54 dBV/m



0 dB = 54.37 V/m = 34.71 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 = 43.84 V/m; Power Drift = -0.07 dB

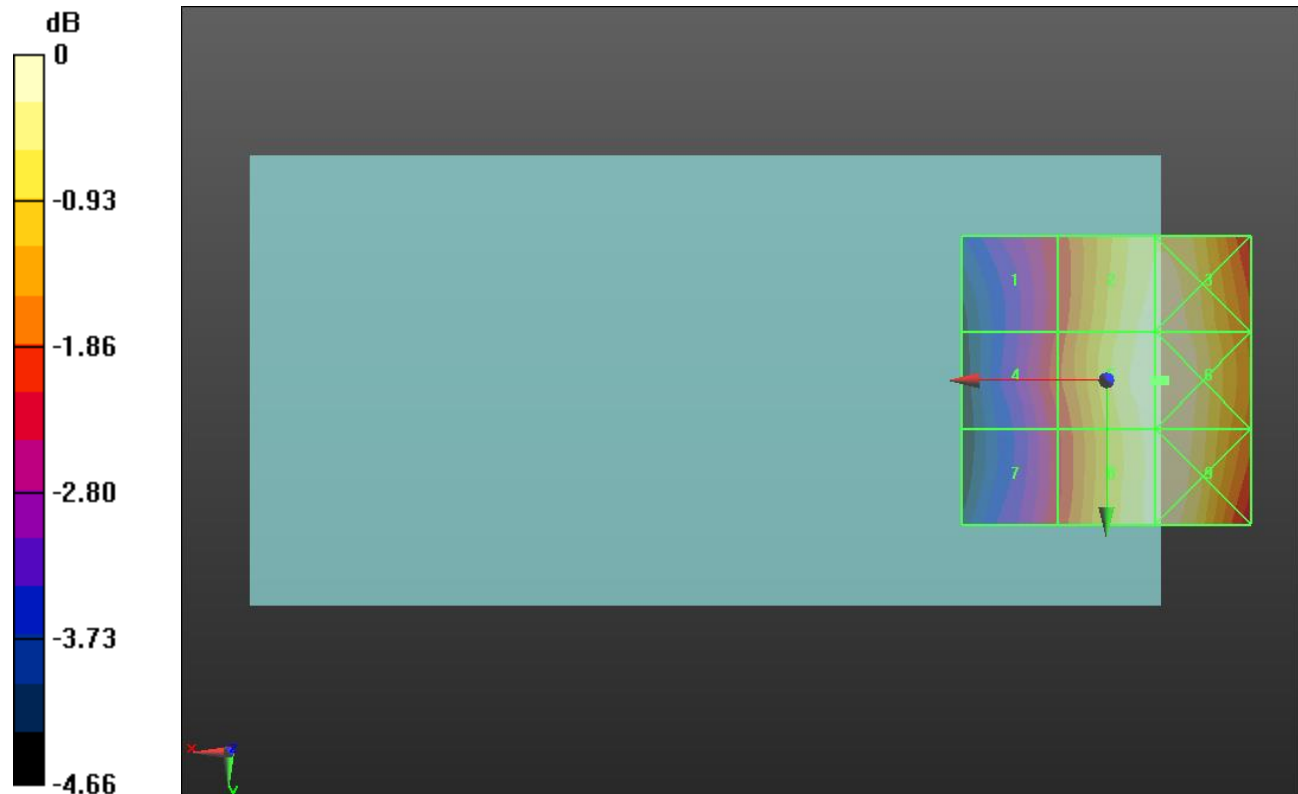
Applied MIF = 3.63 dB

RF audio interference level = 34.69 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 32.6 dBV/m	Grid 2 M4 34.57 dBV/m	Grid 3 M4 34.59 dBV/m
Grid 4 M4 32.77 dBV/m	Grid 5 M4 34.69 dBV/m	Grid 6 M4 34.72 dBV/m
Grid 7 M4 32.61 dBV/m	Grid 8 M4 34.56 dBV/m	Grid 9 M4 34.61 dBV/m



0 dB = 54.44 V/m = 34.72 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 = 18.37 V/m; Power Drift = 0.01 dB

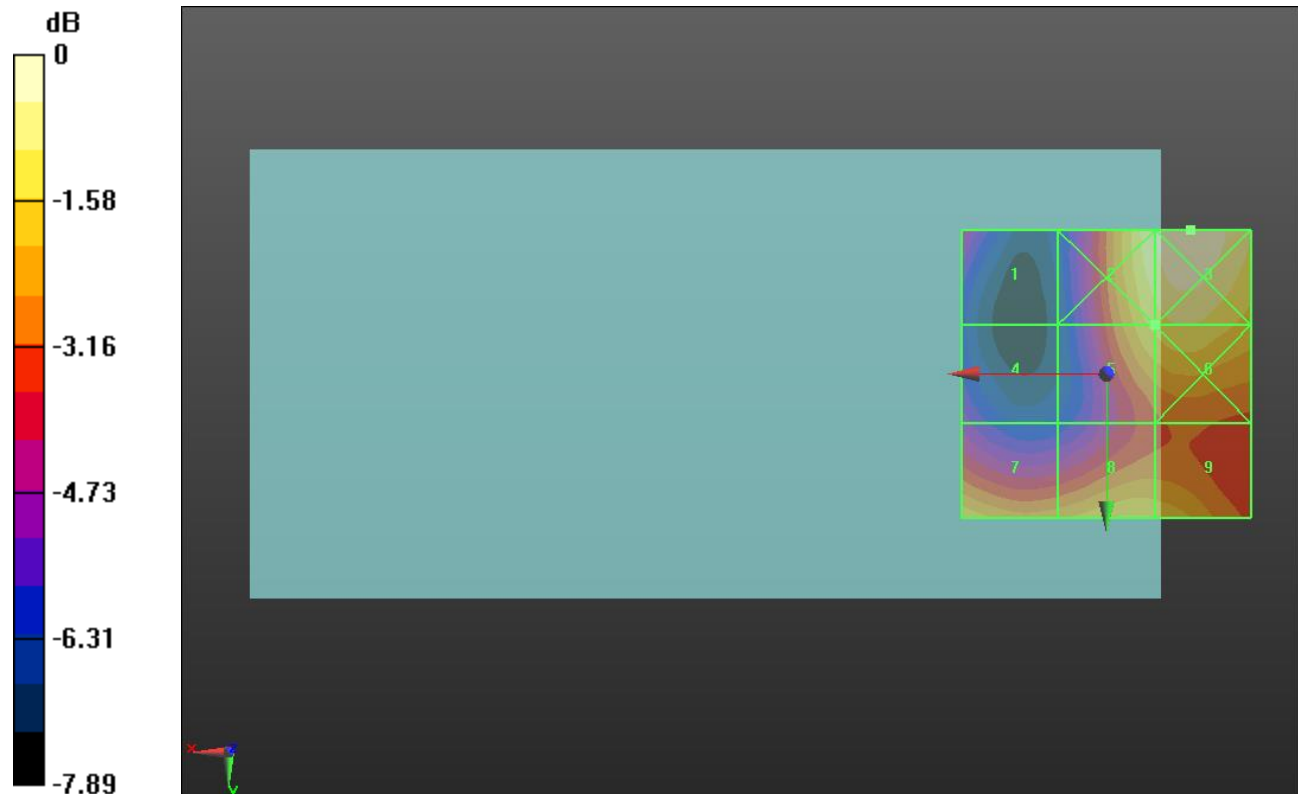
Applied MIF = 3.63 dB

RF audio interference level = 29.57 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 26.54 dBV/m	Grid 2 M3 30.43 dBV/m	Grid 3 M3 30.96 dBV/m
Grid 4 M4 26.07 dBV/m	Grid 5 M4 29.57 dBV/m	Grid 6 M4 29.91 dBV/m
Grid 7 M4 29.4 dBV/m	Grid 8 M4 29.48 dBV/m	Grid 9 M4 29.41 dBV/m



0 dB = 35.32 V/m = 30.96 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 = 18.52 V/m; Power Drift = 0.01 dB

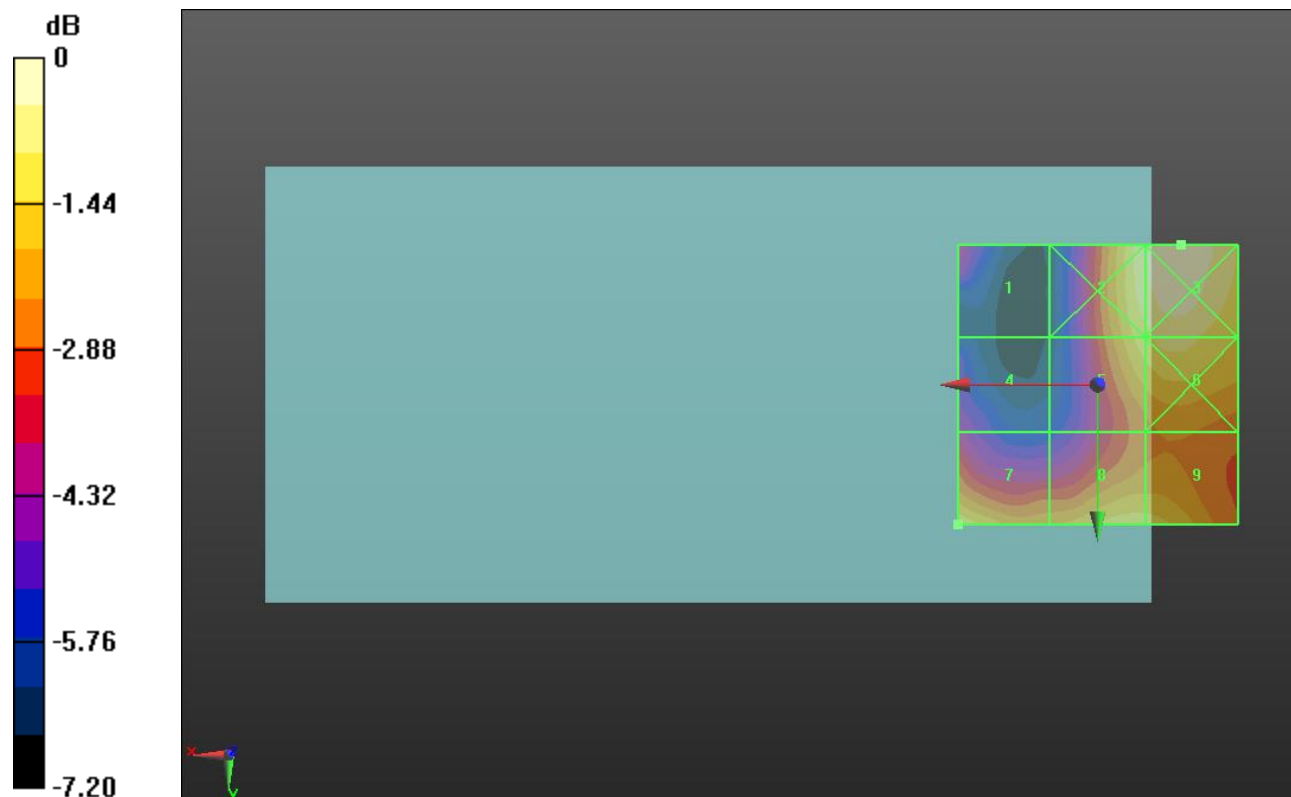
Applied MIF = 3.63 dB

RF audio interference level = 29.83 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 26.74 dBV/m	Grid 2 M3 30.2 dBV/m	Grid 3 M3 30.75 dBV/m
Grid 4 M4 26.69 dBV/m	Grid 5 M4 29.63 dBV/m	Grid 6 M3 30 dBV/m
Grid 7 M4 29.83 dBV/m	Grid 8 M4 29.65 dBV/m	Grid 9 M4 29.63 dBV/m



0 dB = 34.49 V/m = 30.75 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 = 18.36 V/m; Power Drift = 0.01 dB

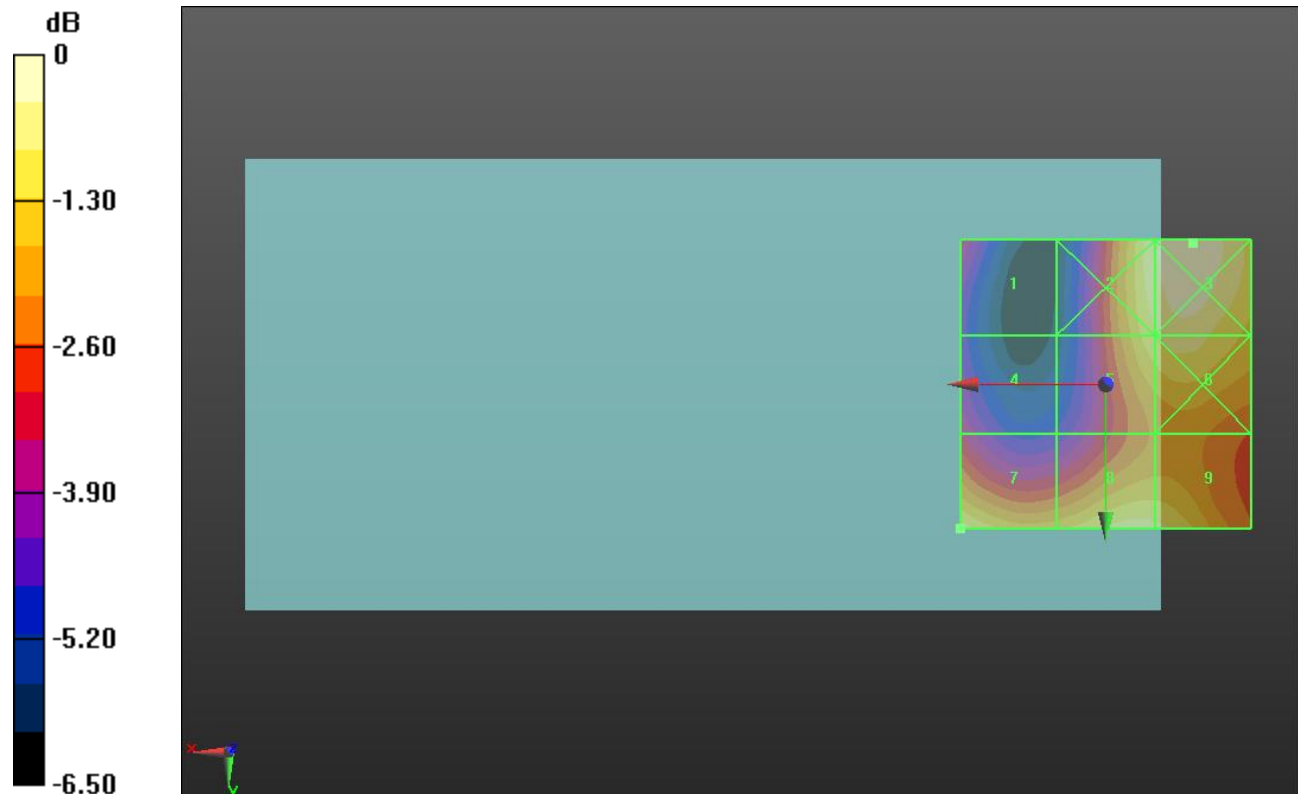
Applied MIF = 3.63 dB

RF audio interference level = 29.74 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 26.87 dBV/m	Grid 2 M4 29.75 dBV/m	Grid 3 M3 30.26 dBV/m
Grid 4 M4 26.86 dBV/m	Grid 5 M4 29.33 dBV/m	Grid 6 M4 29.63 dBV/m
Grid 7 M4 29.74 dBV/m	Grid 8 M4 29.67 dBV/m	Grid 9 M4 29.58 dBV/m



0 dB = 32.58 V/m = 30.26 dBV/m

HAC-RF Emission LAT

Frequency: 2506 MHz; Duty Cycle: 1:8.87156; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: $\sigma = 0$ S/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³

DASY5 Configuration:

- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn1377; Calibrated: 9/14/2016
- Probe: ER3DV6 - SN2509; ConvF(1, 1, 1); Calibrated: 5/12/2017;
- Sensor-Surface: (Fix Surface)
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB; Serial: 1155

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 = 13.82 V/m; Power Drift = -0.12 dB

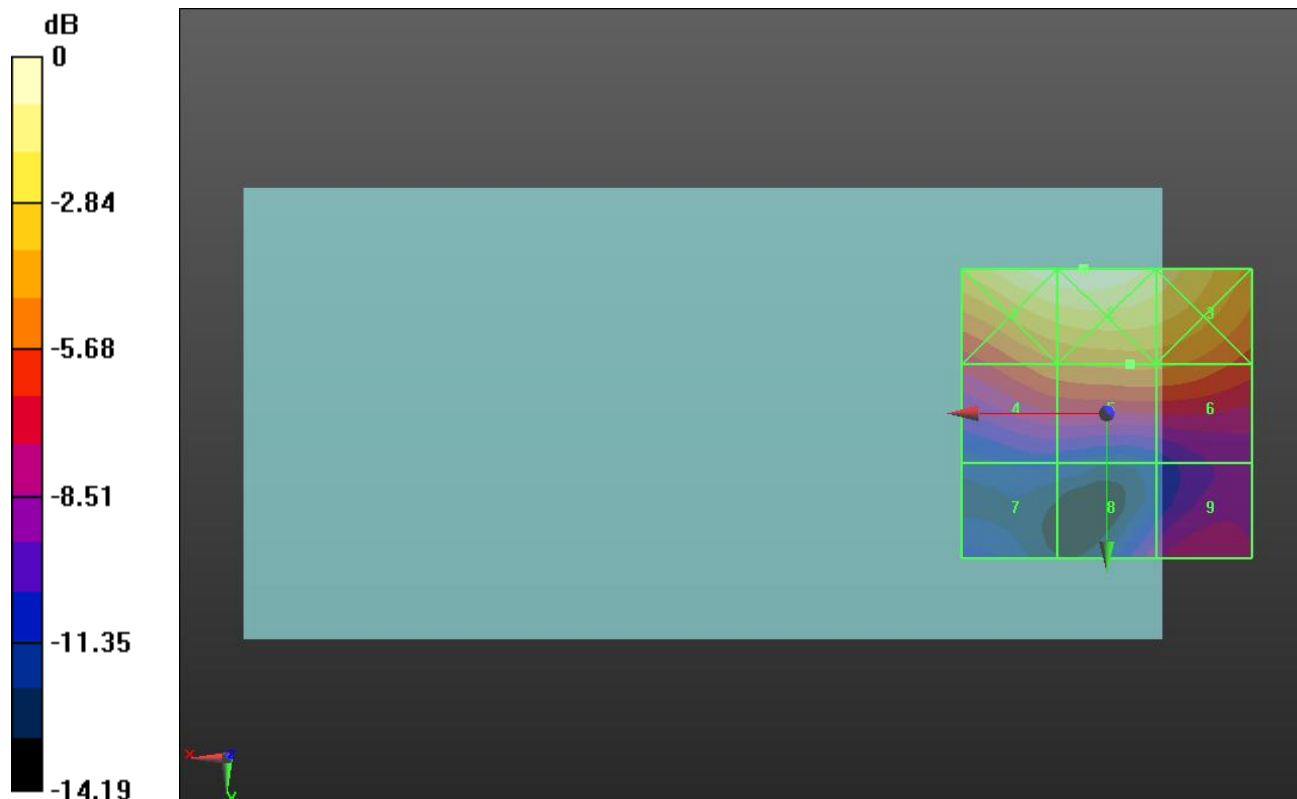
Applied MIF = -1.44 dB

RF audio interference level = 23.75 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 28.02 dBV/m	Grid 2 M4 28.19 dBV/m	Grid 3 M4 26.95 dBV/m
Grid 4 M4 23.3 dBV/m	Grid 5 M4 23.75 dBV/m	Grid 6 M4 23.7 dBV/m
Grid 7 M4 17.6 dBV/m	Grid 8 M4 19.55 dBV/m	Grid 9 M4 20.59 dBV/m



0 dB = 25.68 V/m = 28.19 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 = 10.81 V/m; Power Drift = -0.09 dB

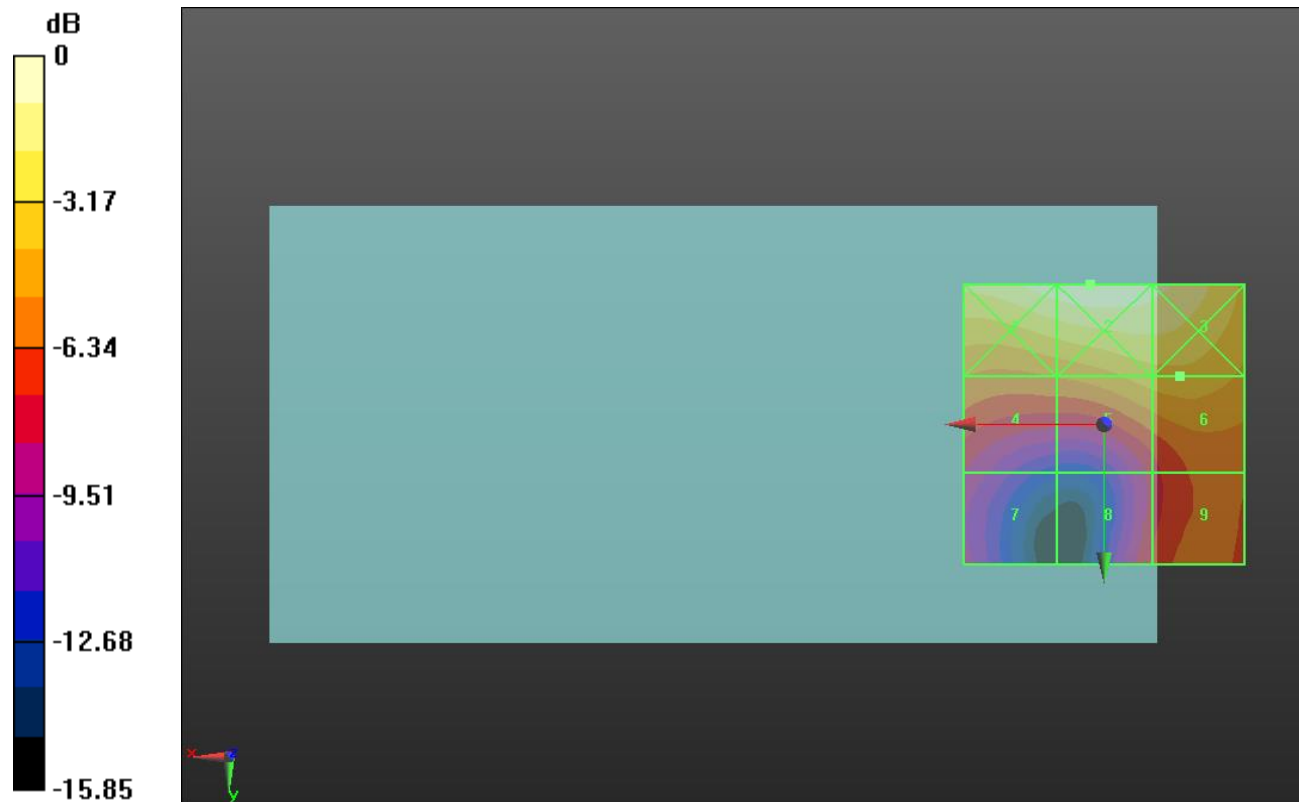
Applied MIF = -1.44 dB

RF audio interference level = 22.65 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 25.85 dBV/m	Grid 2 M4 26.16 dBV/m	Grid 3 M4 25.5 dBV/m
Grid 4 M4 20.92 dBV/m	Grid 5 M4 22.46 dBV/m	Grid 6 M4 22.65 dBV/m
Grid 7 M4 17.71 dBV/m	Grid 8 M4 18.94 dBV/m	Grid 9 M4 20.19 dBV/m



0 dB = 20.32 V/m = 26.16 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 = 9.252 V/m; Power Drift = 0.06 dB

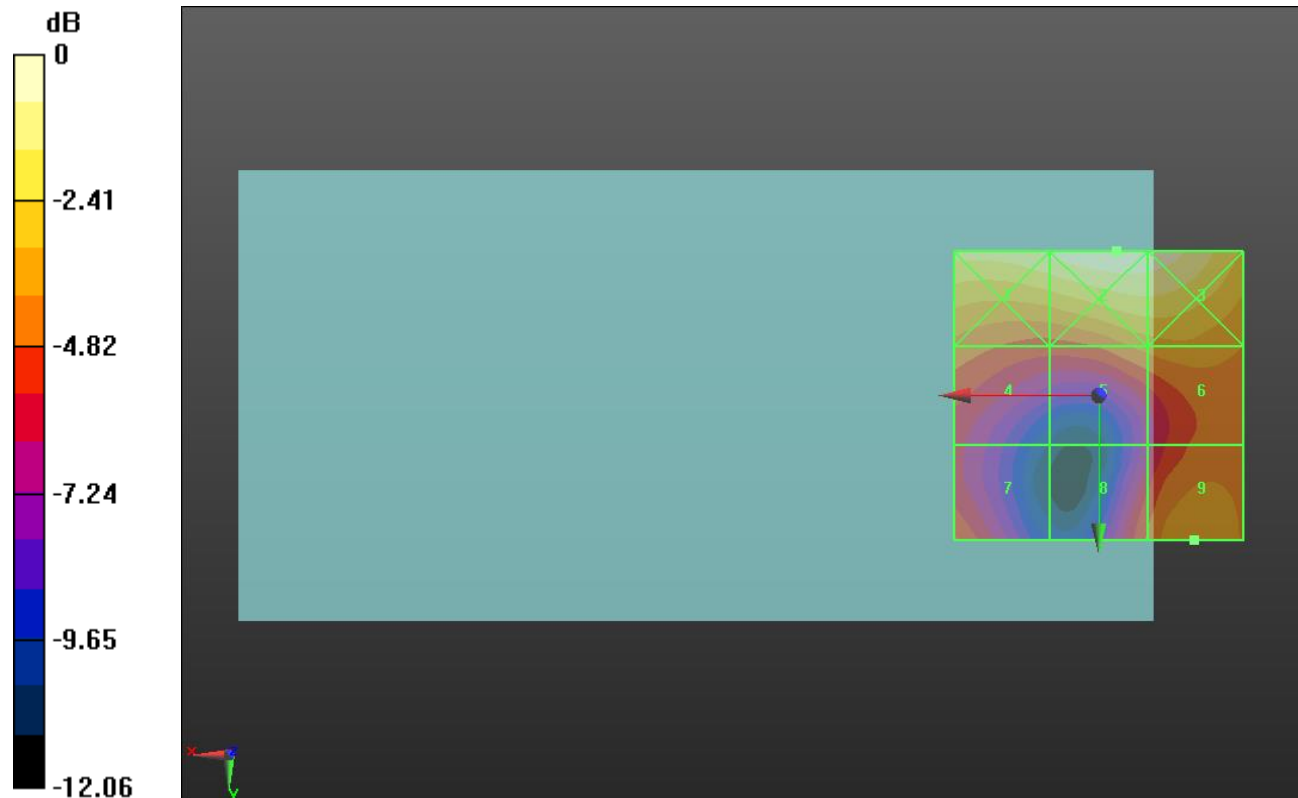
Applied MIF = -1.44 dB

RF audio interference level = 21.97 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 24.78 dBV/m	Grid 2 M4 25.34 dBV/m	Grid 3 M4 25.14 dBV/m
Grid 4 M4 21.1 dBV/m	Grid 5 M4 21.63 dBV/m	Grid 6 M4 21.92 dBV/m
Grid 7 M4 20.63 dBV/m	Grid 8 M4 20.7 dBV/m	Grid 9 M4 21.97 dBV/m



0 dB = 18.48 V/m = 25.33 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 = 9.392 V/m; Power Drift = -0.07 dB

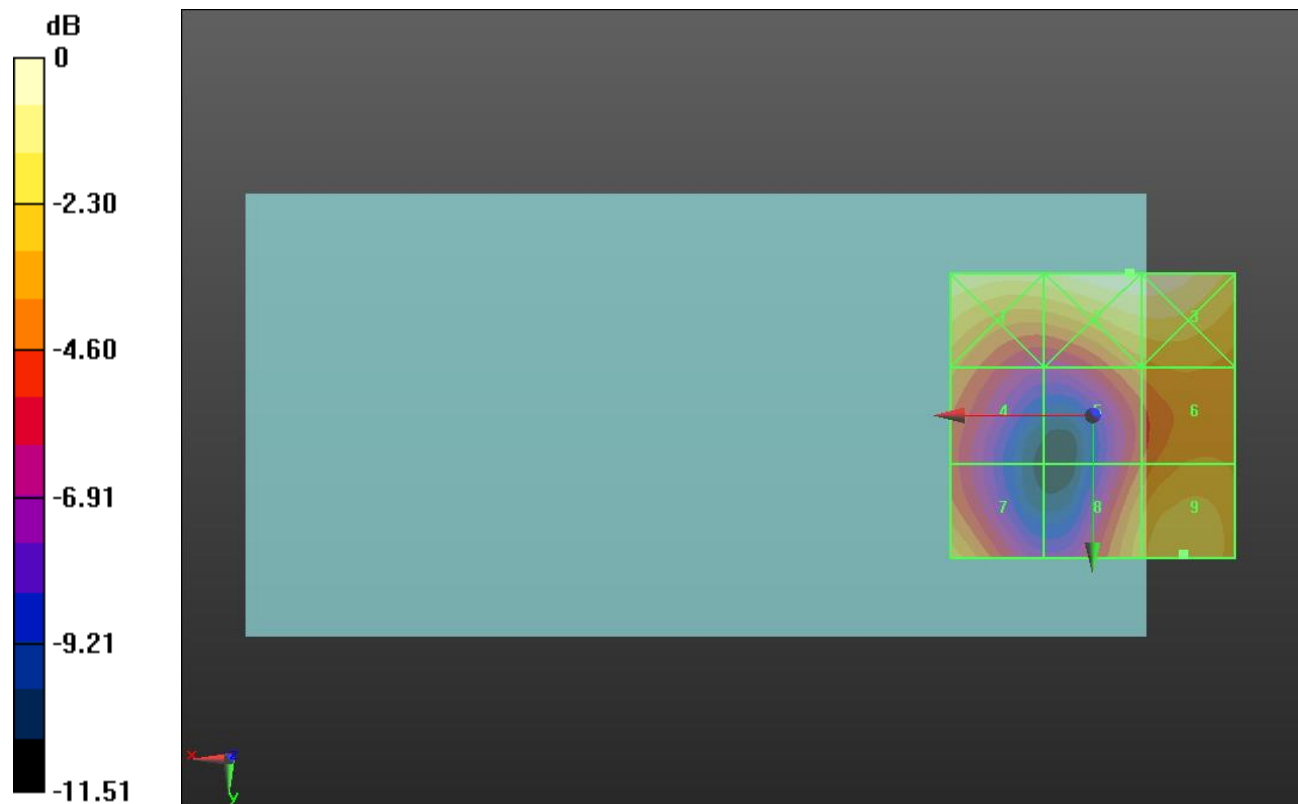
Applied MIF = -1.44 dB

RF audio interference level = 22.83 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 23.98 dBV/m	Grid 2 M4 24.52 dBV/m	Grid 3 M4 24.5 dBV/m
Grid 4 M4 20.98 dBV/m	Grid 5 M4 21.05 dBV/m	Grid 6 M4 21.6 dBV/m
Grid 7 M4 21.99 dBV/m	Grid 8 M4 22 dBV/m	Grid 9 M4 22.83 dBV/m



0 dB = 16.83 V/m = 24.52 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 = 8.319 V/m; Power Drift = 0.02 dB

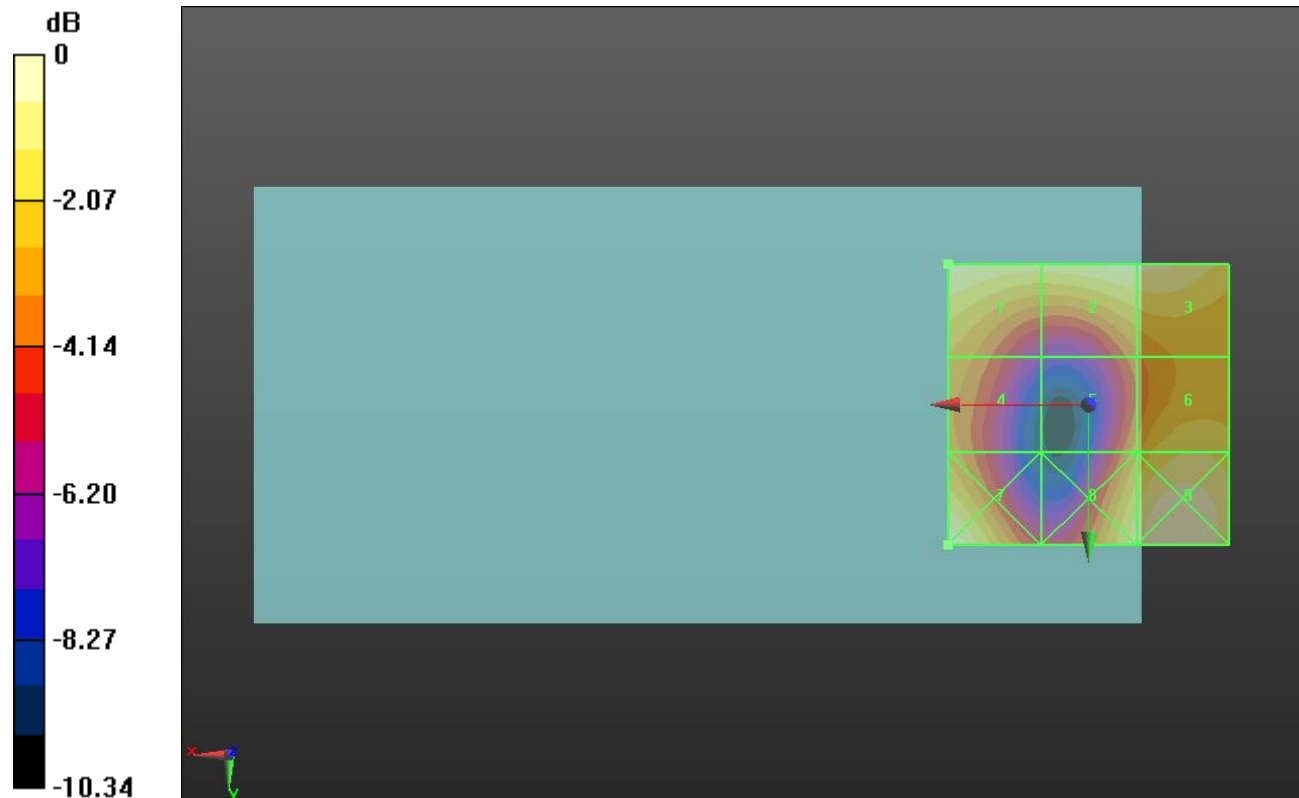
Applied MIF = -1.44 dB

RF audio interference level = 23.18 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 23.18 dBV/m	Grid 2 M4 23.06 dBV/m	Grid 3 M4 23.06 dBV/m
Grid 4 M4 20.72 dBV/m	Grid 5 M4 20.55 dBV/m	Grid 6 M4 22.15 dBV/m
Grid 7 M4 23.52 dBV/m	Grid 8 M4 22.61 dBV/m	Grid 9 M4 23.49 dBV/m



0 dB = 14.99 V/m = 23.52 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: 5/13/2016;
- 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 = 9.081 V/m; Power Drift = -0.58 dB

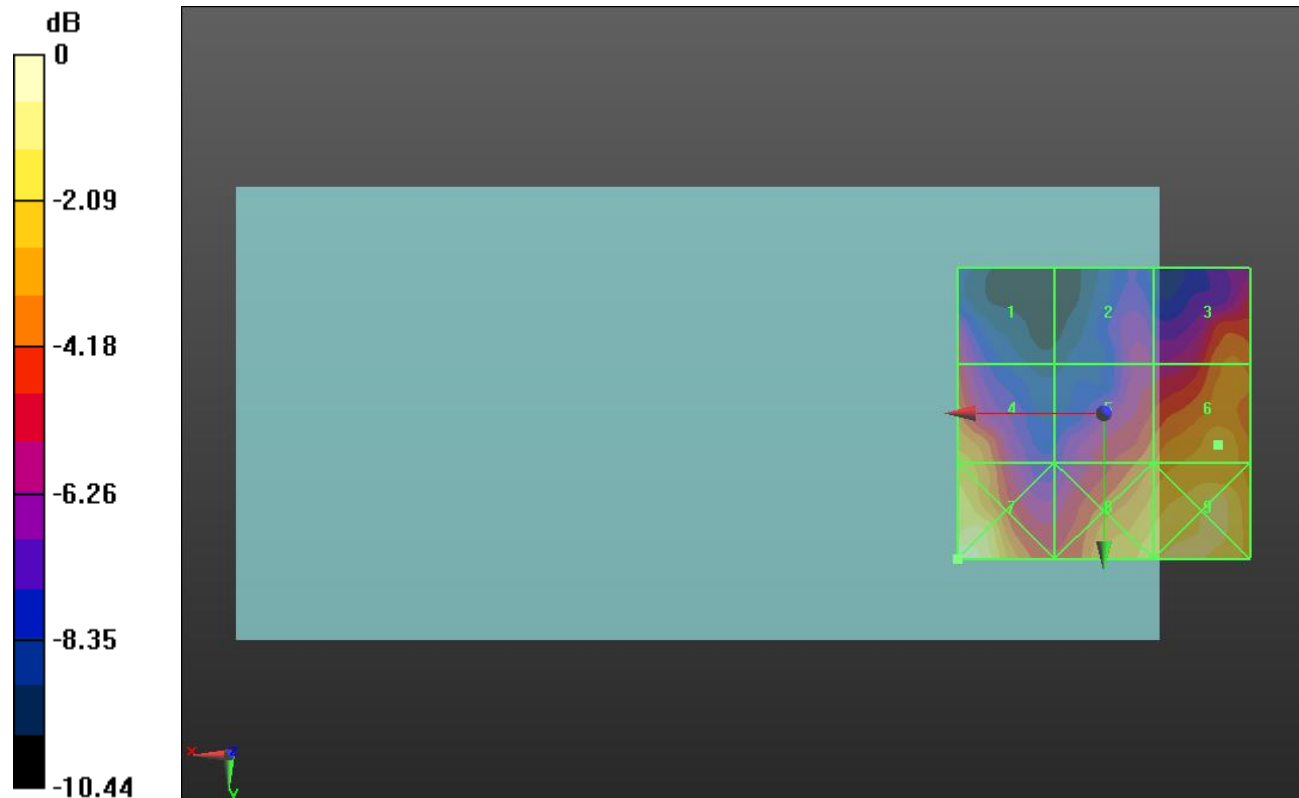
Applied MIF = -2.02 dB

RF audio interference level = 20.18 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 17.41 dBV/m	Grid 2 M4 16.4 dBV/m	Grid 3 M4 18.99 dBV/m
Grid 4 M4 19.78 dBV/m	Grid 5 M4 18.83 dBV/m	Grid 6 M4 20.18 dBV/m
Grid 7 M4 22.3 dBV/m	Grid 8 M4 20.78 dBV/m	Grid 9 M4 21.2 dBV/m



0 dB = 13.02 V/m = 22.29 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: 5/13/2016;
- 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 = 8.654 V/m; Power Drift = -0.42 dB

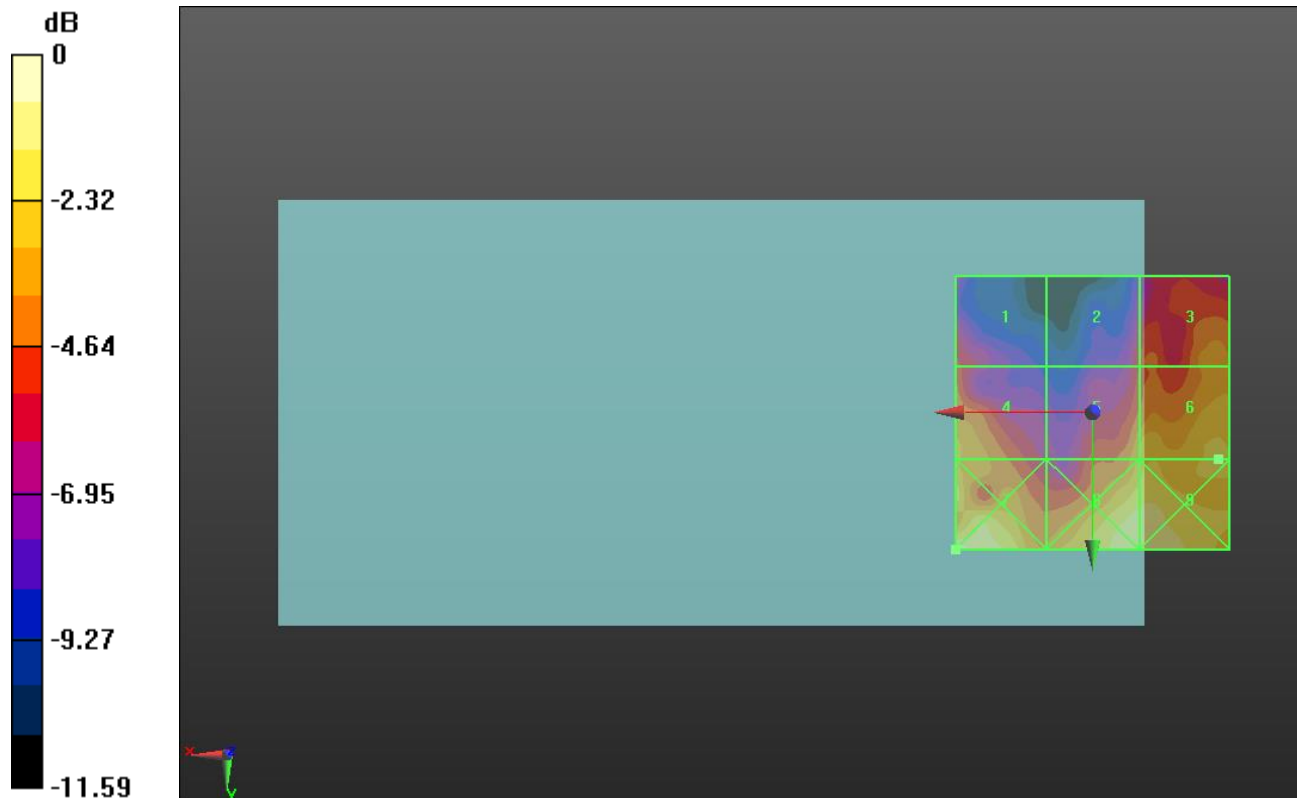
Applied MIF = -2.02 dB

RF audio interference level = 20.29 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 17.56 dBV/m	Grid 2 M4 17.27 dBV/m	Grid 3 M4 19.04 dBV/m
Grid 4 M4 19.6 dBV/m	Grid 5 M4 19.53 dBV/m	Grid 6 M4 20.29 dBV/m
Grid 7 M4 22.48 dBV/m	Grid 8 M4 21.5 dBV/m	Grid 9 M4 21.55 dBV/m



0 dB = 13.30 V/m = 22.48 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: 5/13/2016;
- 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 = 9.758 V/m; Power Drift = 0.01 dB

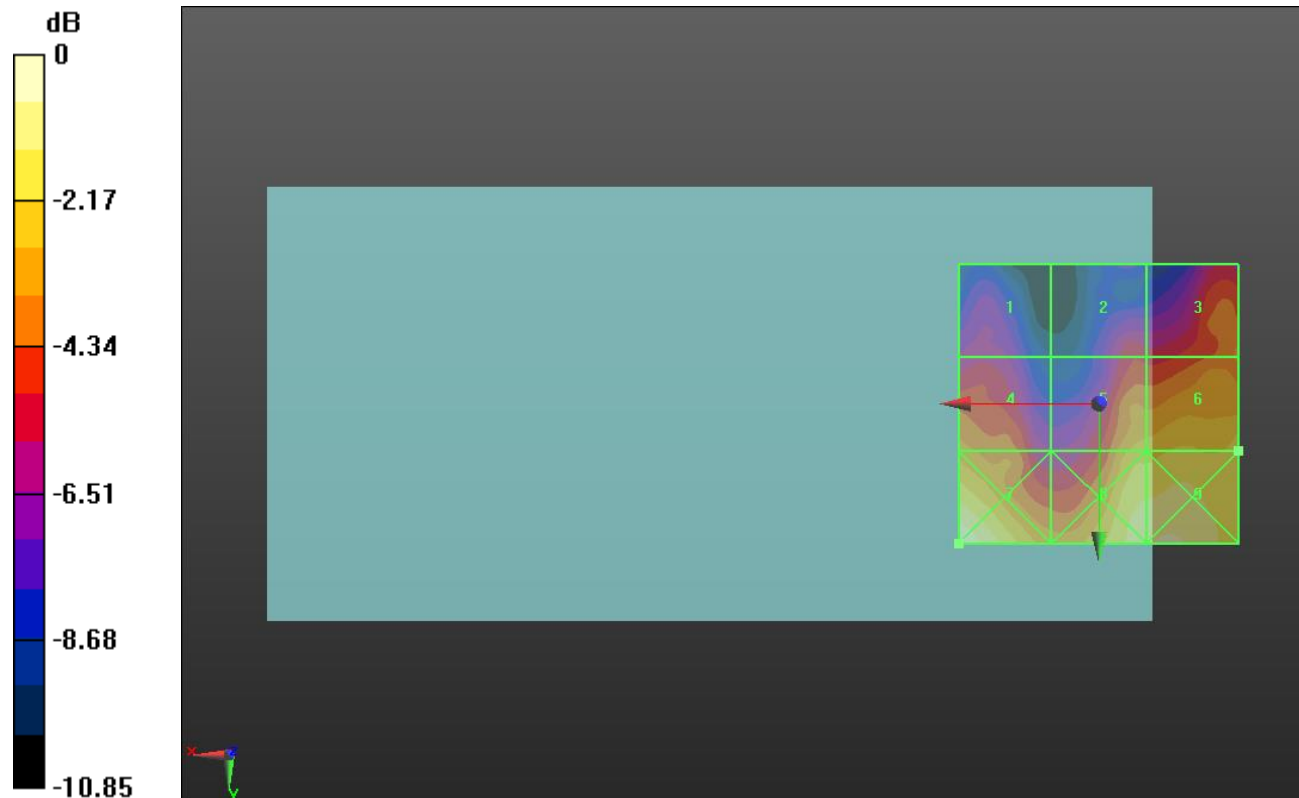
Applied MIF = -2.02 dB

RF audio interference level = 20.79 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 16.75 dBV/m	Grid 2 M4 17.68 dBV/m	Grid 3 M4 19.26 dBV/m
Grid 4 M4 19.58 dBV/m	Grid 5 M4 20.29 dBV/m	Grid 6 M4 20.79 dBV/m
Grid 7 M4 22.76 dBV/m	Grid 8 M4 21.93 dBV/m	Grid 9 M4 22.14 dBV/m



0 dB = 13.75 V/m = 22.77 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 = 13.62 V/m; Power Drift = -0.05 dB

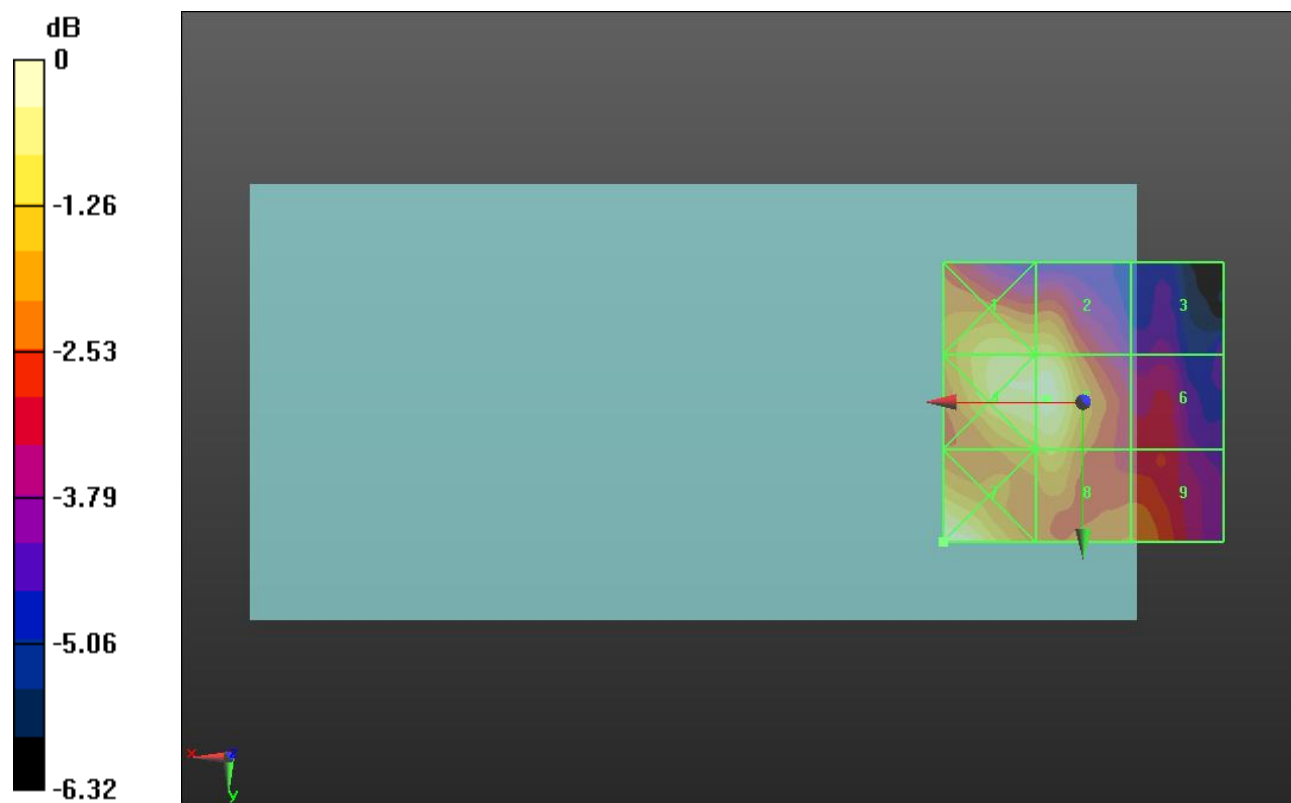
Applied MIF = -3.15 dB

RF audio interference level = 20.19 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 19.57 dBV/m	Grid 2 M4 19.49 dBV/m	Grid 3 M4 16.41 dBV/m
Grid 4 M4 20.05 dBV/m	Grid 5 M4 20.19 dBV/m	Grid 6 M4 17.4 dBV/m
Grid 7 M4 20.38 dBV/m	Grid 8 M4 19.2 dBV/m	Grid 9 M4 18.33 dBV/m



0 dB = 10.45 V/m = 20.38 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 = 14.92 V/m; Power Drift = -0.57 dB

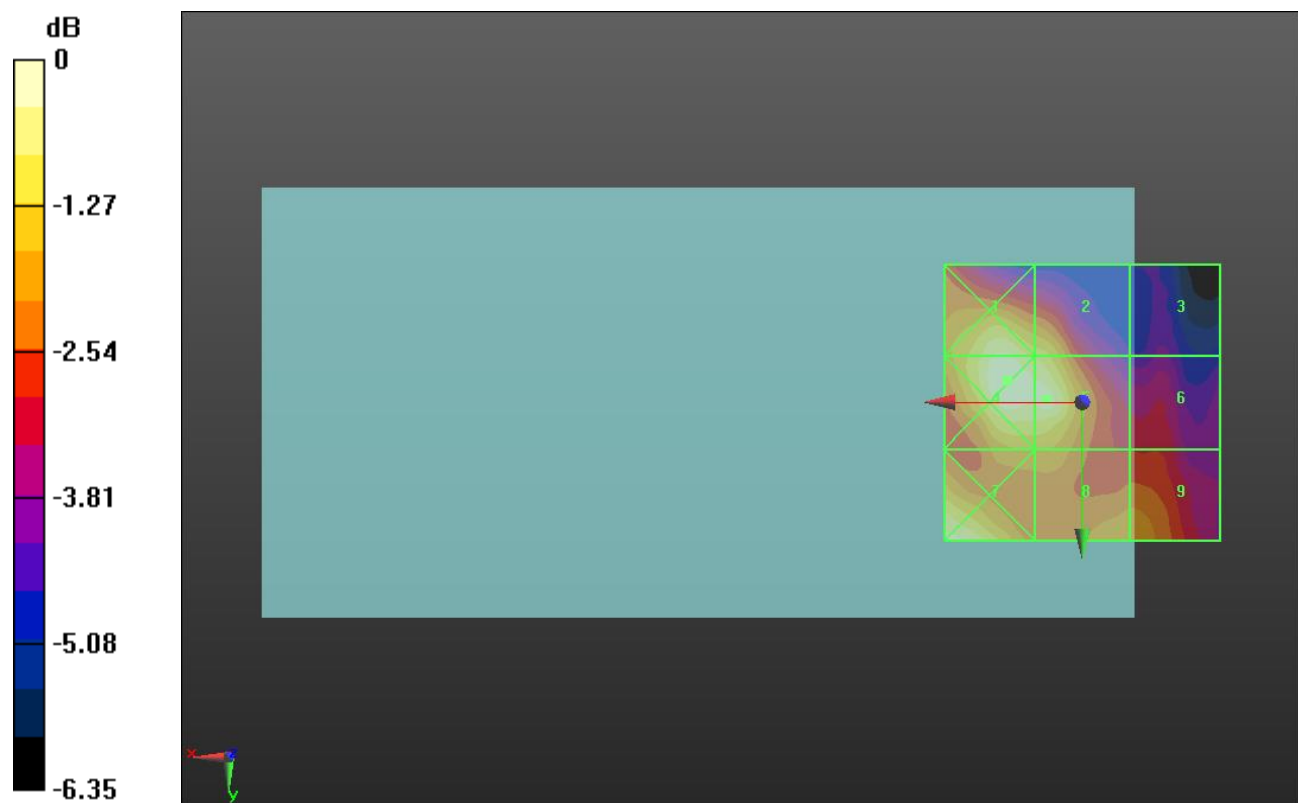
Applied MIF = -3.15 dB

RF audio interference level = 20.33 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 20.24 dBV/m	Grid 2 M4 19.62 dBV/m	Grid 3 M4 16.47 dBV/m
Grid 4 M4 20.58 dBV/m	Grid 5 M4 20.33 dBV/m	Grid 6 M4 17.61 dBV/m
Grid 7 M4 20.3 dBV/m	Grid 8 M4 18.93 dBV/m	Grid 9 M4 18.82 dBV/m



0 dB = 10.69 V/m = 20.58 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 = 15.66 V/m; Power Drift = 0.00 dB

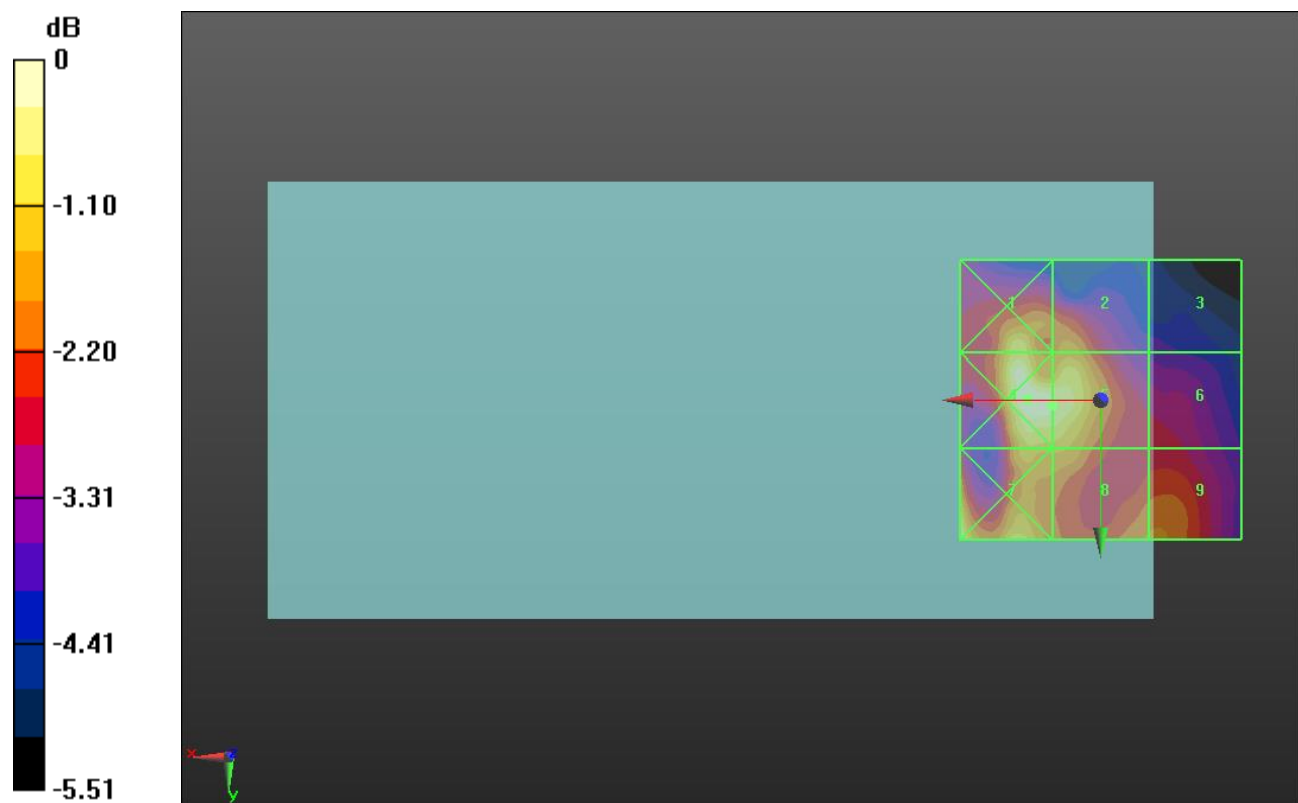
Applied MIF = -3.15 dB

RF audio interference level = 21.06 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 20.51 dBV/m	Grid 2 M4 19.77 dBV/m	Grid 3 M4 17.6 dBV/m
Grid 4 M4 21.33 dBV/m	Grid 5 M4 21.06 dBV/m	Grid 6 M4 18.57 dBV/m
Grid 7 M4 21.24 dBV/m	Grid 8 M4 20.02 dBV/m	Grid 9 M4 19.58 dBV/m



0 dB = 11.65 V/m = 21.33 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 = 15.15 V/m; Power Drift = -0.30 dB

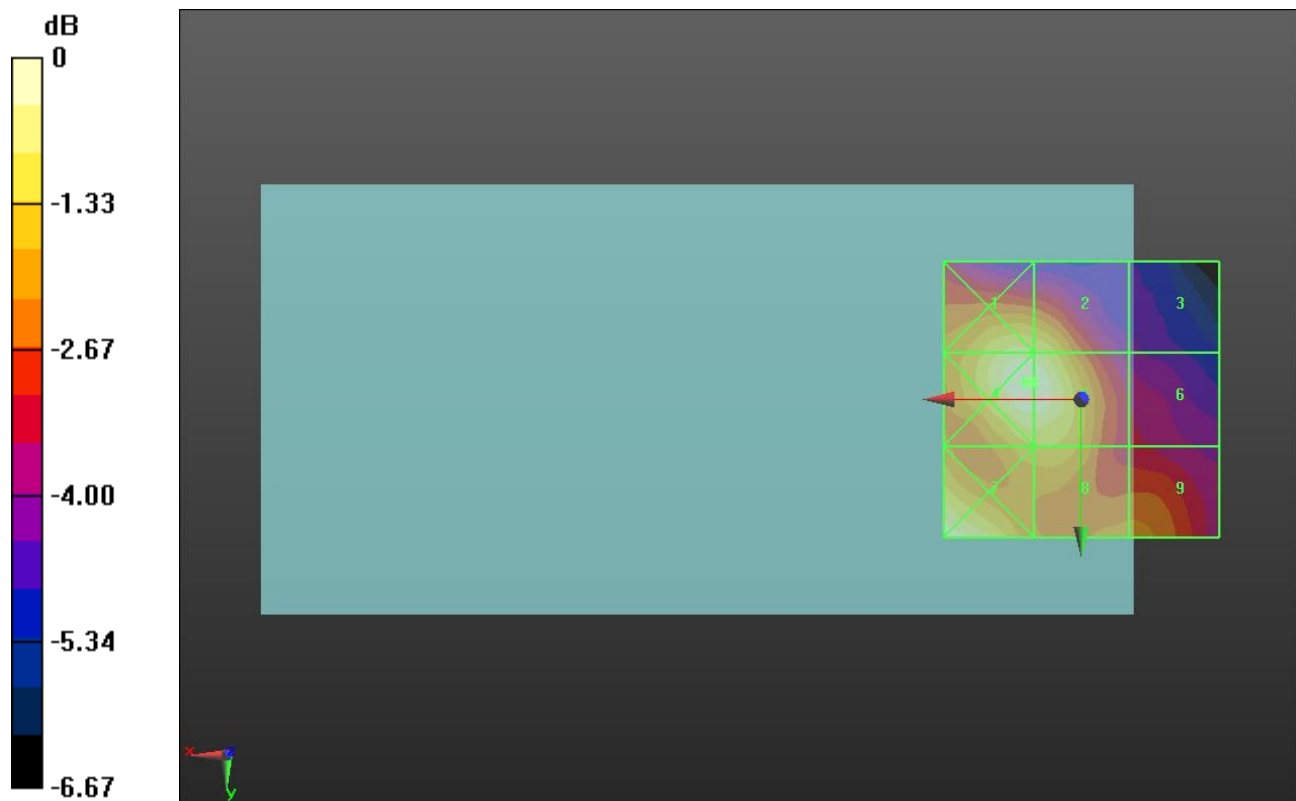
Applied MIF = -3.15 dB

RF audio interference level = 20.81 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 20.22 dBV/m	Grid 2 M4 20.12 dBV/m	Grid 3 M4 16.69 dBV/m
Grid 4 M4 20.87 dBV/m	Grid 5 M4 20.81 dBV/m	Grid 6 M4 17.57 dBV/m
Grid 7 M4 20.69 dBV/m	Grid 8 M4 19.56 dBV/m	Grid 9 M4 18.85 dBV/m



0 dB = 11.05 V/m = 20.87 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 = 14.95 V/m; Power Drift = 0.14 dB

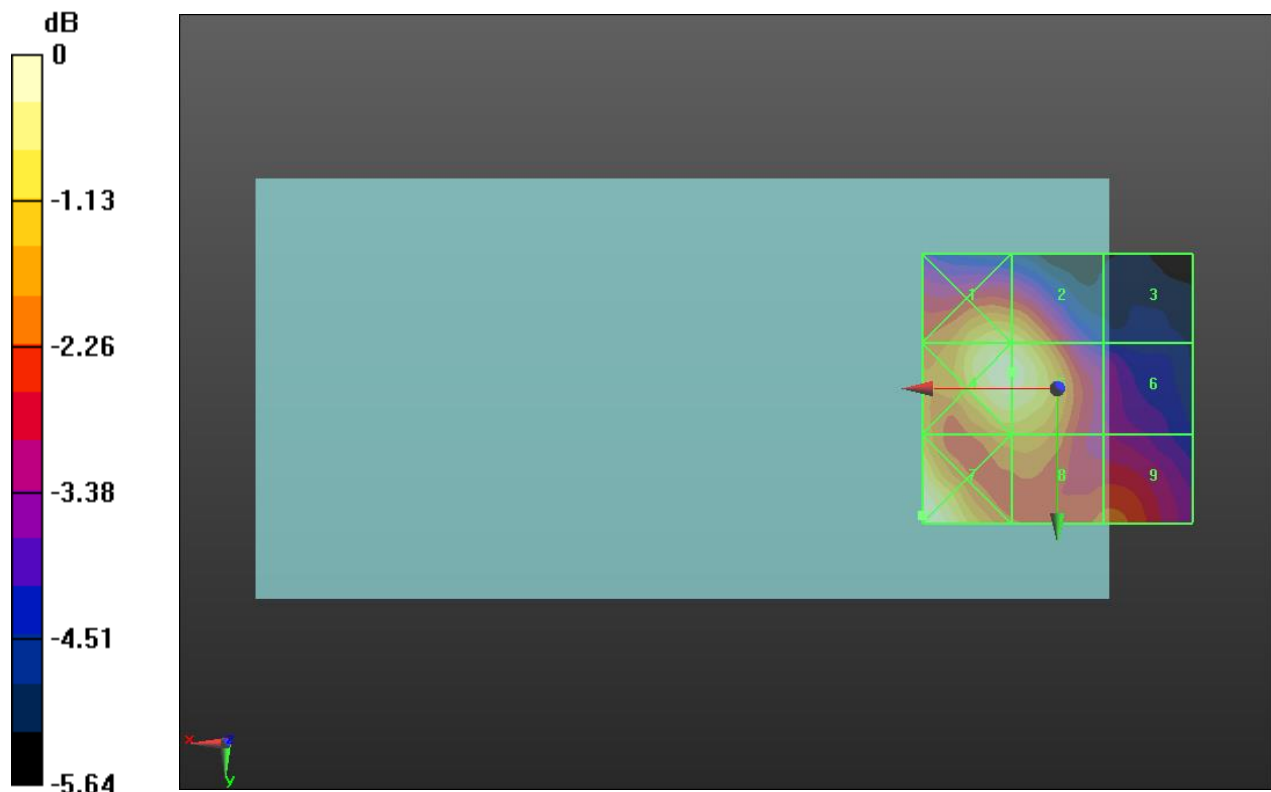
Applied MIF = -3.15 dB

RF audio interference level = 20.72 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 20.27 dBV/m	Grid 2 M4 20.18 dBV/m	Grid 3 M4 16.47 dBV/m
Grid 4 M4 20.75 dBV/m	Grid 5 M4 20.72 dBV/m	Grid 6 M4 17.66 dBV/m
Grid 7 M4 20.89 dBV/m	Grid 8 M4 19.4 dBV/m	Grid 9 M4 18.85 dBV/m



0 dB = 11.08 V/m = 20.89 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 = 14.90 V/m; Power Drift = -0.07 dB

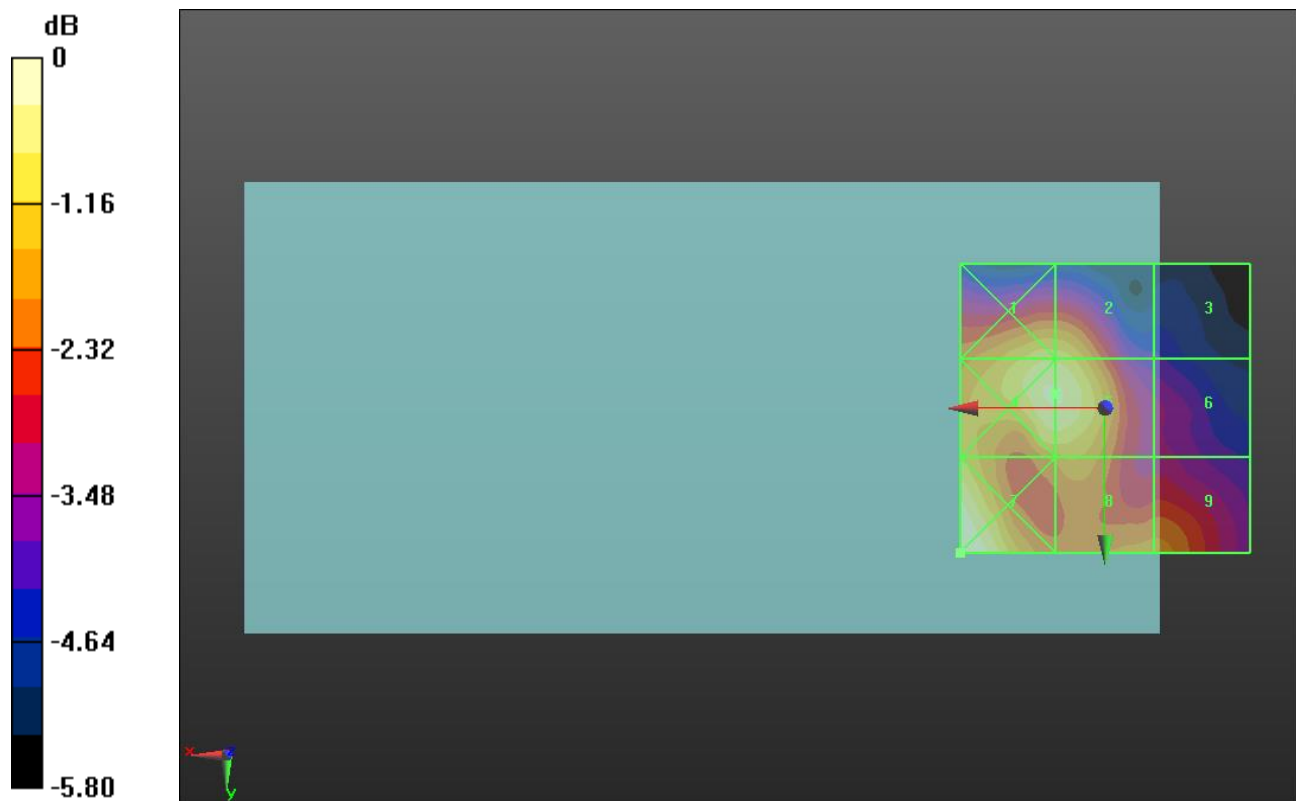
Applied MIF = -3.15 dB

RF audio interference level = 20.70 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 20.21 dBV/m	Grid 2 M4 20.18 dBV/m	Grid 3 M4 16.91 dBV/m
Grid 4 M4 20.7 dBV/m	Grid 5 M4 20.7 dBV/m	Grid 6 M4 17.83 dBV/m
Grid 7 M4 21.04 dBV/m	Grid 8 M4 19.54 dBV/m	Grid 9 M4 19.35 dBV/m



0 dB = 11.27 V/m = 21.04 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 = 13.31 V/m; Power Drift = -0.01 dB

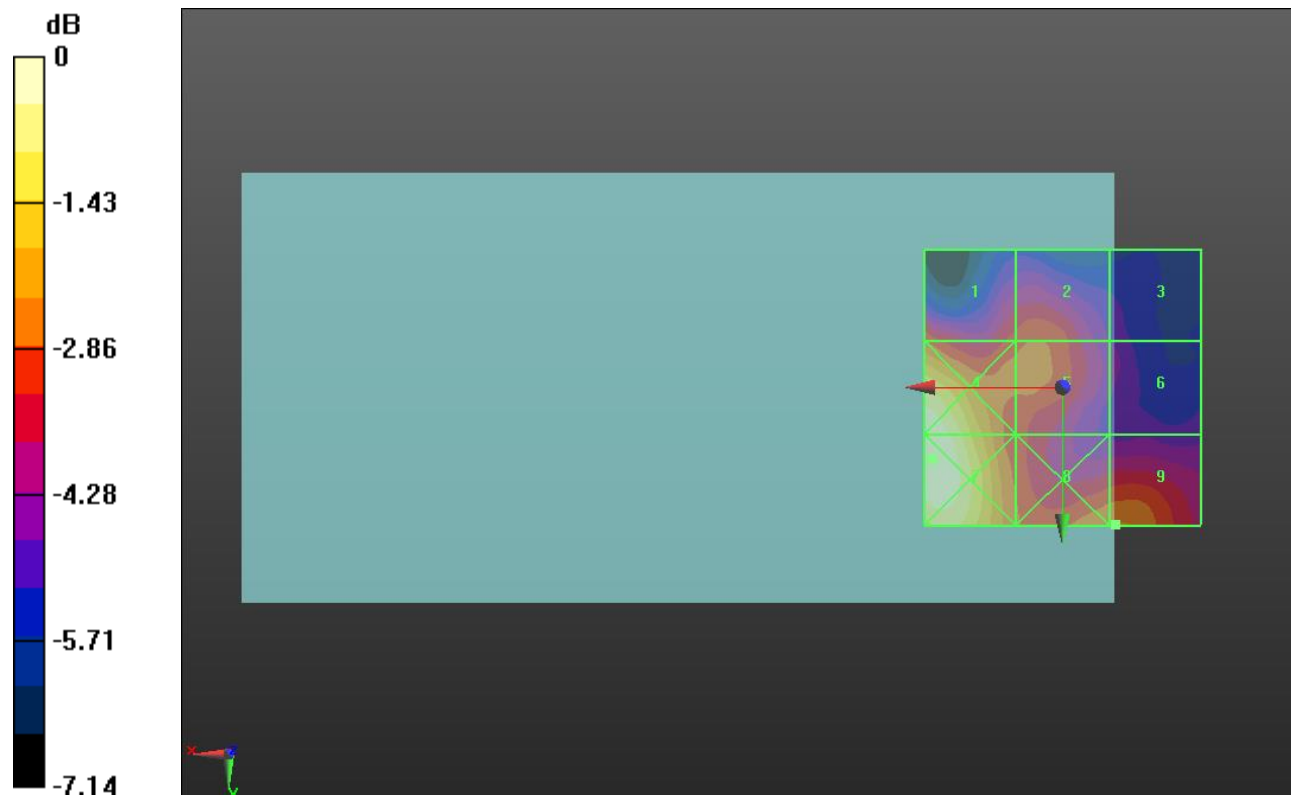
Applied MIF = -3.15 dB

RF audio interference level = 18.81 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 18.41 dBV/m	Grid 2 M4 18.3 dBV/m	Grid 3 M4 16.39 dBV/m
Grid 4 M4 21.04 dBV/m	Grid 5 M4 18.52 dBV/m	Grid 6 M4 16.65 dBV/m
Grid 7 M4 21.12 dBV/m	Grid 8 M4 18.81 dBV/m	Grid 9 M4 18.81 dBV/m



0 dB = 11.38 V/m = 21.12 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 = 12.90 V/m; Power Drift = -0.07 dB

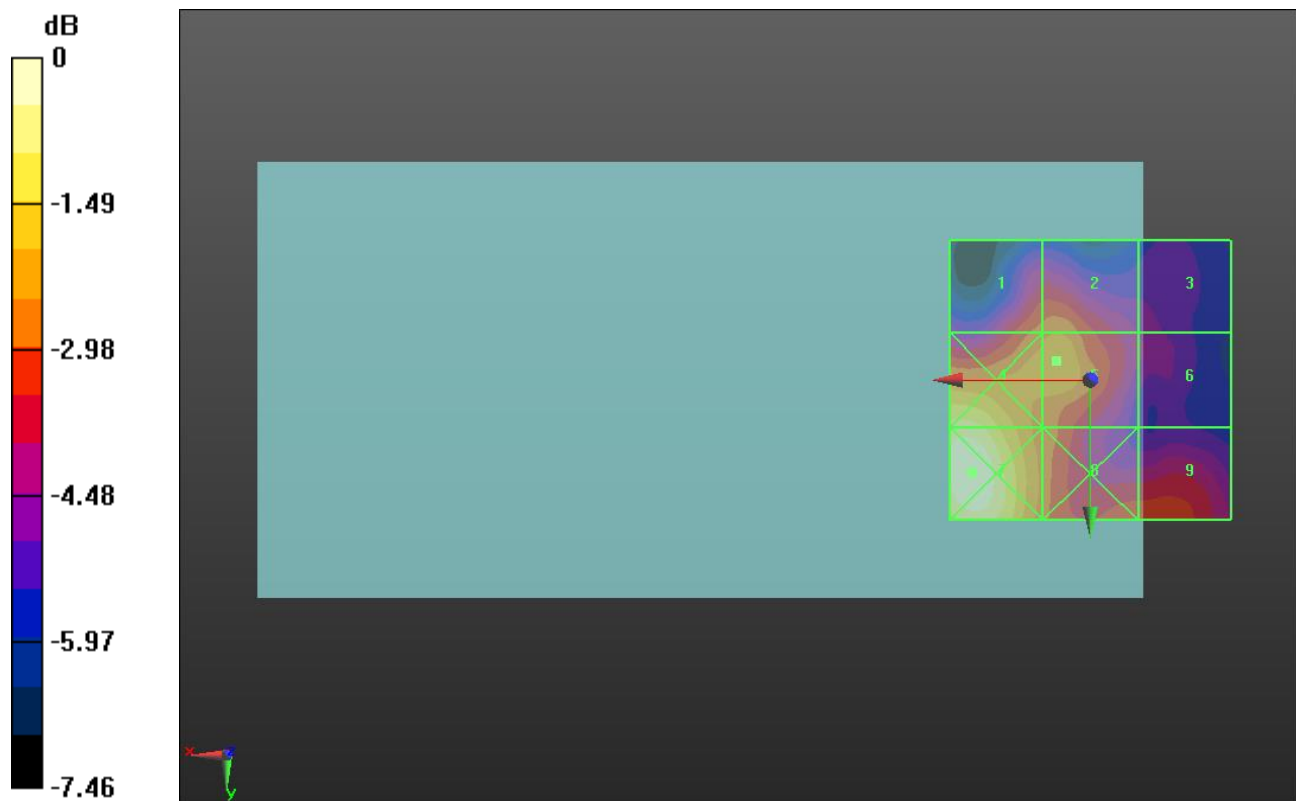
Applied MIF = -3.15 dB

RF audio interference level = 18.61 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 17.92 dBV/m	Grid 2 M4 18.09 dBV/m	Grid 3 M4 16.1 dBV/m
Grid 4 M4 19.85 dBV/m	Grid 5 M4 18.61 dBV/m	Grid 6 M4 16.27 dBV/m
Grid 7 M4 20.59 dBV/m	Grid 8 M4 17.94 dBV/m	Grid 9 M4 17.63 dBV/m



0 dB = 10.70 V/m = 20.59 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 = 14.20 V/m; Power Drift = -18.45 dB

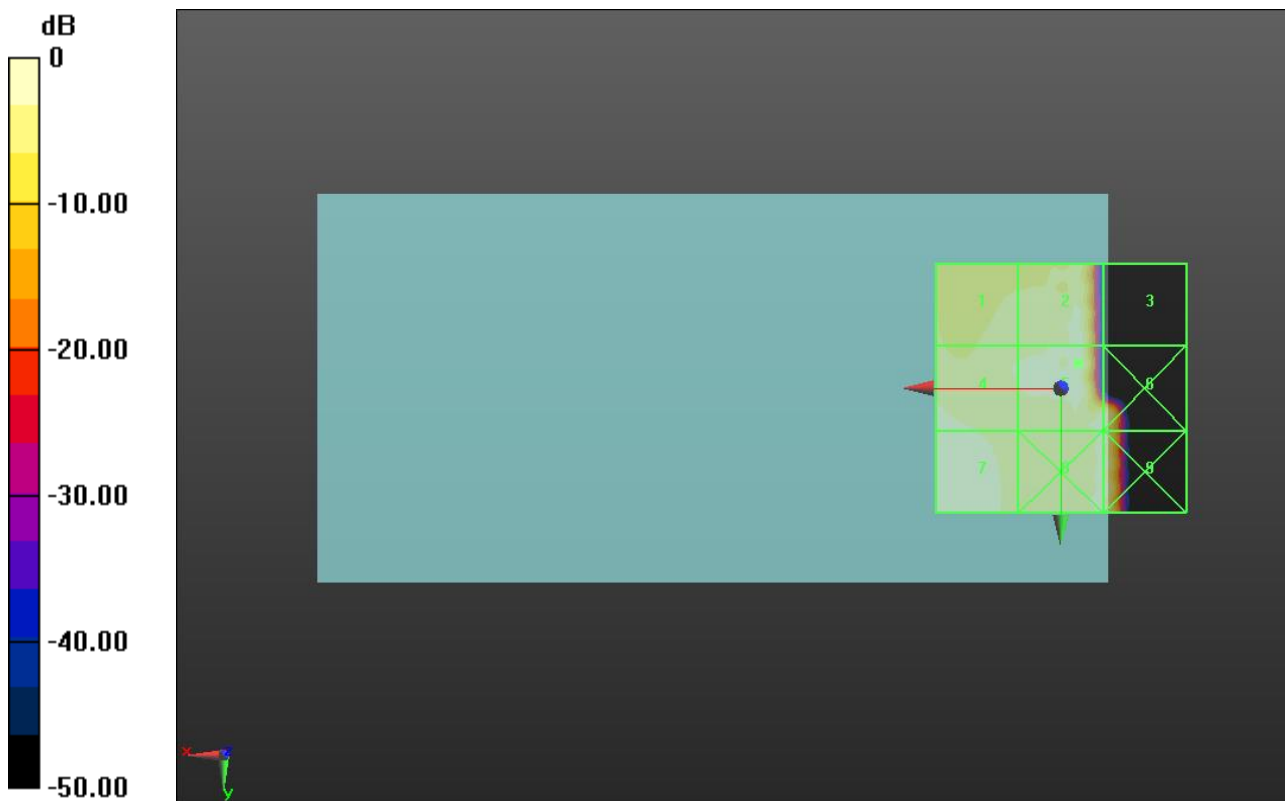
Applied MIF = -3.15 dB

RF audio interference level = 22.28 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 18.34 dBV/m	Grid 2 M4 21.64 dBV/m	Grid 3 M4 -21.65 dBV/m
Grid 4 M4 19.94 dBV/m	Grid 5 M4 22.28 dBV/m	Grid 6 M4 20.94 dBV/m
Grid 7 M4 20.87 dBV/m	Grid 8 M4 22.17 dBV/m	Grid 9 M4 22.17 dBV/m



0 dB = 13.00 V/m = 22.28 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 = 15.97 V/m; Power Drift = 0.02 dB

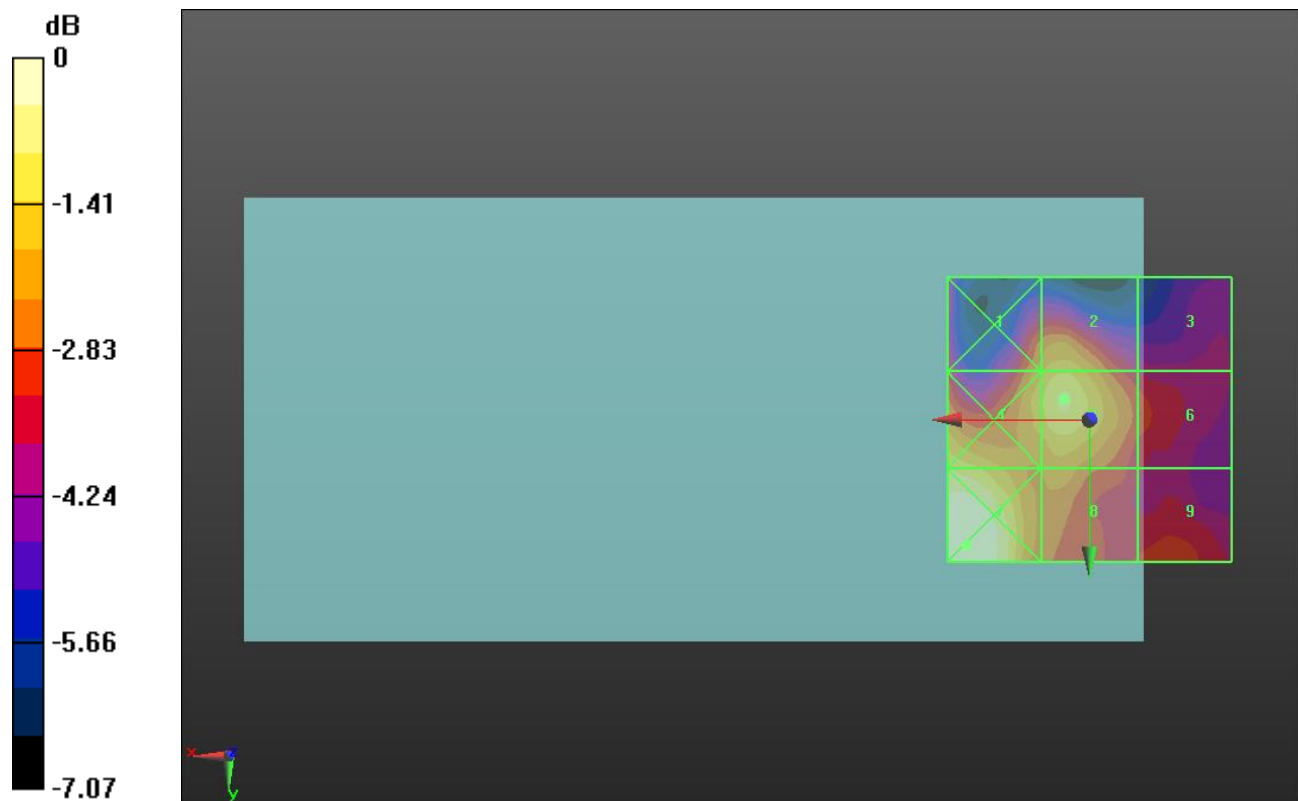
Applied MIF = -3.15 dB

RF audio interference level = 20.24 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 19.13 dBV/m	Grid 2 M4 19.66 dBV/m	Grid 3 M4 17.32 dBV/m
Grid 4 M4 20.18 dBV/m	Grid 5 M4 20.24 dBV/m	Grid 6 M4 18.13 dBV/m
Grid 7 M4 21.11 dBV/m	Grid 8 M4 19.09 dBV/m	Grid 9 M4 18.19 dBV/m



0 dB = 11.36 V/m = 21.11 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 = 15.77 V/m; Power Drift = -0.86 dB

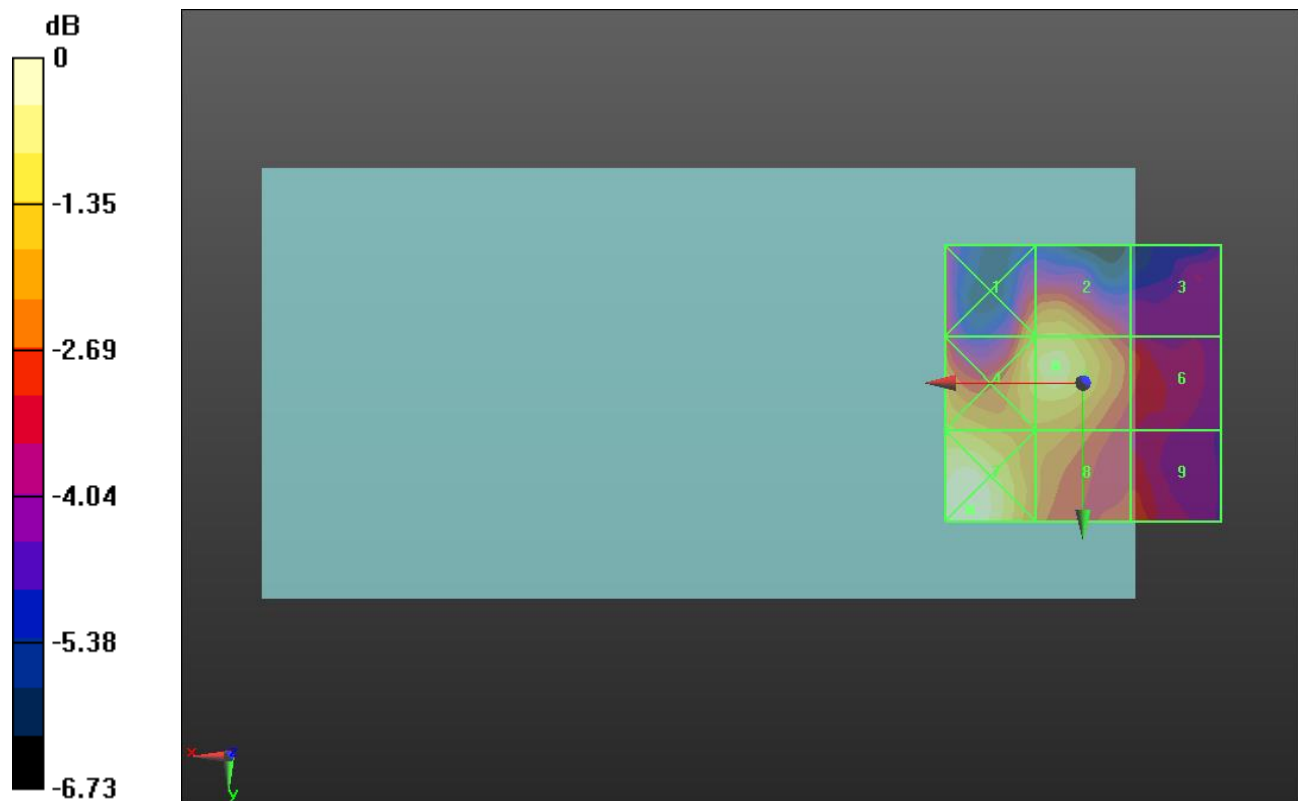
Applied MIF = -3.15 dB

RF audio interference level = 20.47 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 19.67 dBV/m	Grid 2 M4 19.95 dBV/m	Grid 3 M4 17.42 dBV/m
Grid 4 M4 20.19 dBV/m	Grid 5 M4 20.47 dBV/m	Grid 6 M4 18.3 dBV/m
Grid 7 M4 21.15 dBV/m	Grid 8 M4 19.26 dBV/m	Grid 9 M4 18.38 dBV/m



0 dB = 11.41 V/m = 21.15 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 = 15.89 V/m; Power Drift = -0.10 dB

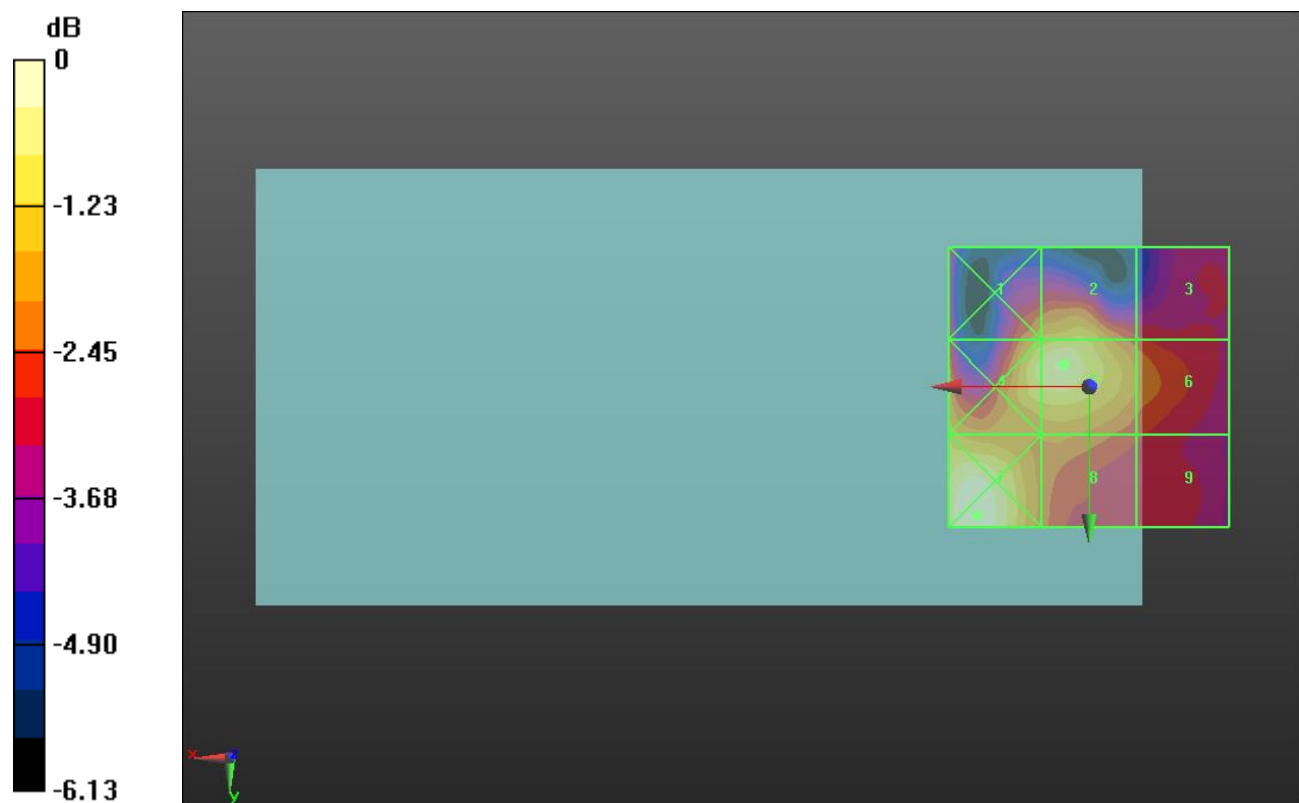
Applied MIF = -3.15 dB

RF audio interference level = 19.91 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 18.72 dBV/m	Grid 2 M4 19.14 dBV/m	Grid 3 M4 17.56 dBV/m
Grid 4 M4 19.64 dBV/m	Grid 5 M4 19.91 dBV/m	Grid 6 M4 18.24 dBV/m
Grid 7 M4 20.26 dBV/m	Grid 8 M4 18.35 dBV/m	Grid 9 M4 17.51 dBV/m



0 dB = 10.30 V/m = 20.26 dBV/m