

HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1); Calibrated: 7/24/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1343; Calibrated: 8/21/2017
- 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 = 63.28 V/m; Power Drift = -0.04 dB

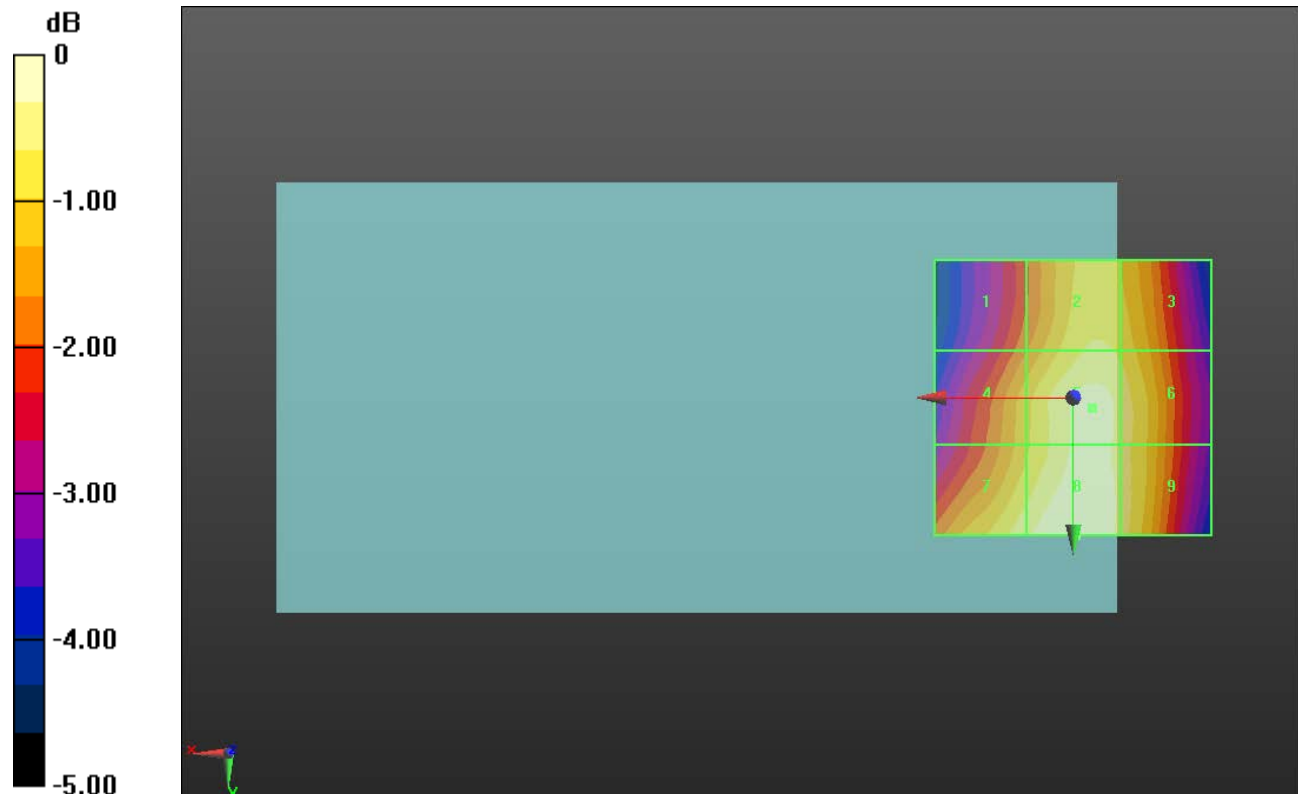
Applied MIF = 3.63 dB

RF audio interference level = 37.55 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 35.86 dBV/m	Grid 2 M4 36.95 dBV/m	Grid 3 M4 36.82 dBV/m
Grid 4 M4 36.48 dBV/m	Grid 5 M4 37.37 dBV/m	Grid 6 M4 37.14 dBV/m
Grid 7 M4 37.14 dBV/m	Grid 8 M4 37.55 dBV/m	Grid 9 M4 37.14 dBV/m



0 dB = 75.41 V/m = 37.55 dBV/m

HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1); Calibrated: 7/24/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1343; Calibrated: 8/21/2017
- 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 = 63.34 V/m; Power Drift = -0.01 dB

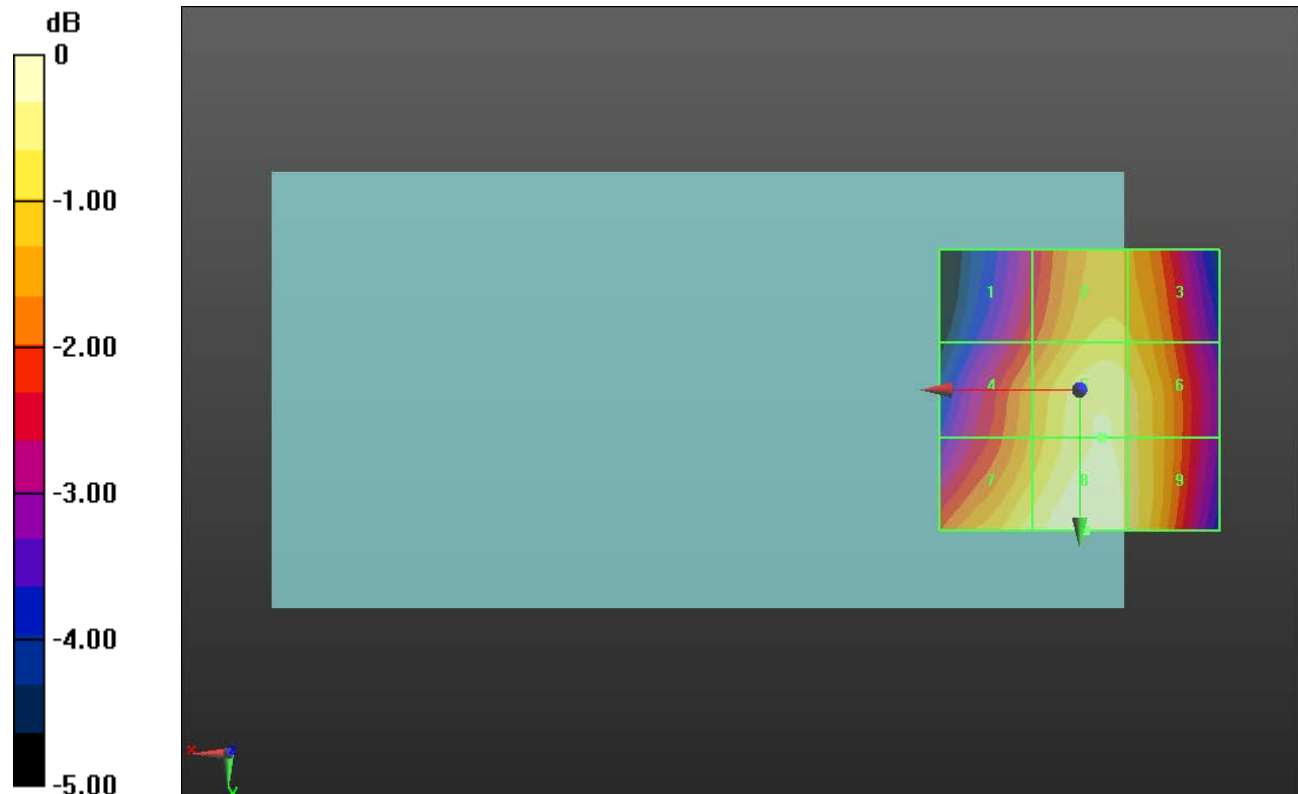
Applied MIF = 3.63 dB

RF audio interference level = 37.78 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 35.71 dBV/m	Grid 2 M4 36.94 dBV/m	Grid 3 M4 36.87 dBV/m
Grid 4 M4 36.52 dBV/m	Grid 5 M4 37.48 dBV/m	Grid 6 M4 37.31 dBV/m
Grid 7 M4 37.3 dBV/m	Grid 8 M4 37.78 dBV/m	Grid 9 M4 37.37 dBV/m



0 dB = 77.48 V/m = 37.78 dBV/m

HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1); Calibrated: 7/24/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1343; Calibrated: 8/21/2017
- 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 = 60.79 V/m; Power Drift = -0.07 dB

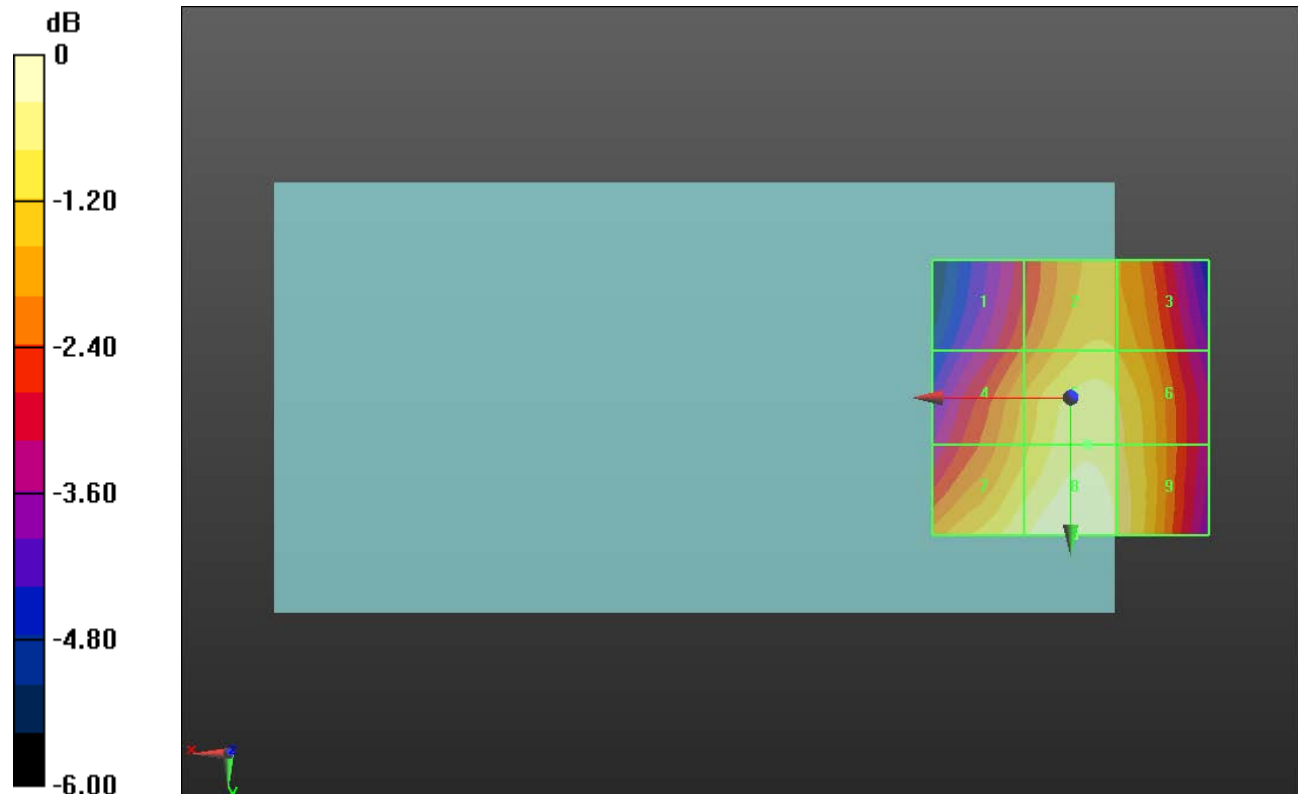
Applied MIF = 3.63 dB

RF audio interference level = 37.63 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 35.35 dBV/m	Grid 2 M4 36.53 dBV/m	Grid 3 M4 36.42 dBV/m
Grid 4 M4 36.3 dBV/m	Grid 5 M4 37.17 dBV/m	Grid 6 M4 36.95 dBV/m
Grid 7 M4 37.18 dBV/m	Grid 8 M4 37.63 dBV/m	Grid 9 M4 37.16 dBV/m



0 dB = 76.14 V/m = 37.63 dBV/m

HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1); Calibrated: 7/24/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1343; Calibrated: 8/21/2017
- 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 = 12.35 V/m; Power Drift = 0.05 dB

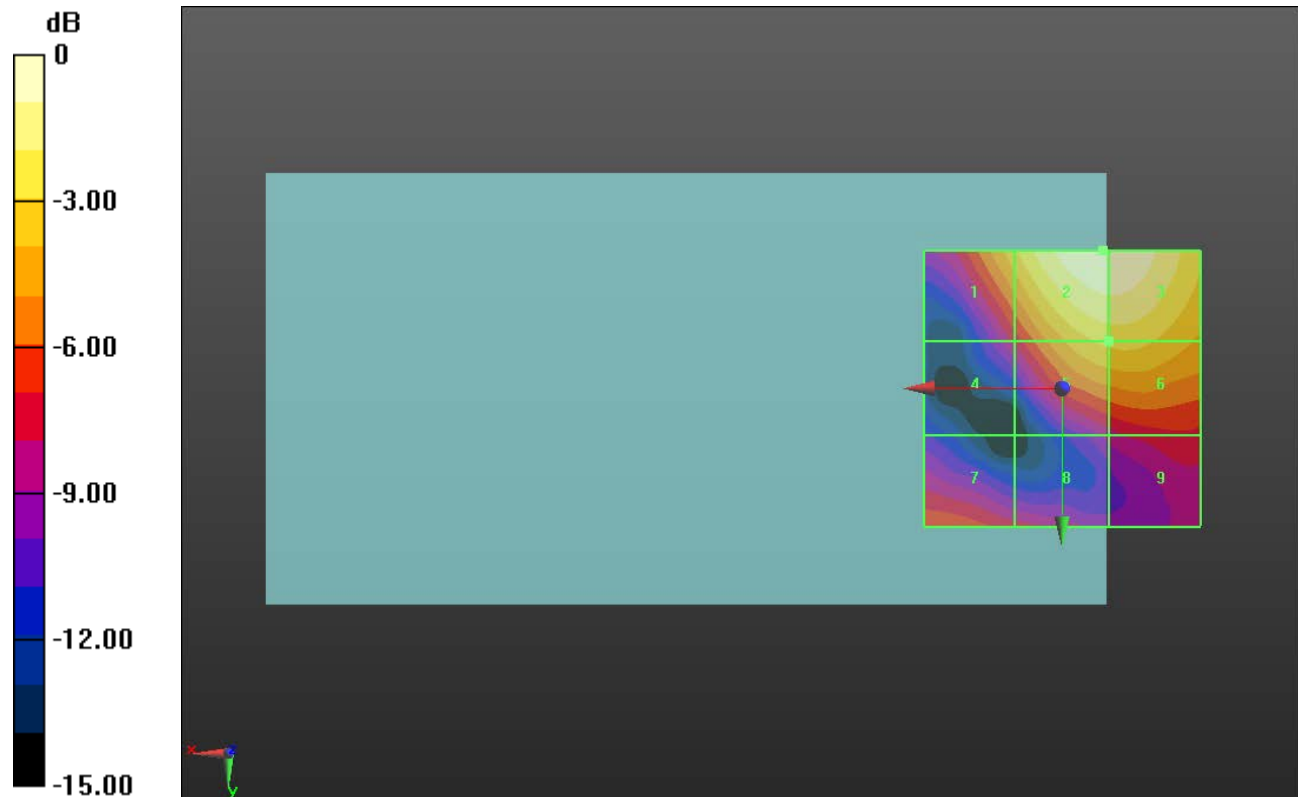
Applied MIF = 3.63 dB

RF audio interference level = 29.83 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 26.66 dBV/m	Grid 2 M4 29.83 dBV/m	Grid 3 M4 29.81 dBV/m
Grid 4 M4 22.16 dBV/m	Grid 5 M4 27.1 dBV/m	Grid 6 M4 27.18 dBV/m
Grid 7 M4 23.74 dBV/m	Grid 8 M4 22.38 dBV/m	Grid 9 M4 22.71 dBV/m



0 dB = 30.99 V/m = 29.82 dBV/m

HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1); Calibrated: 7/24/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1343; Calibrated: 8/21/2017
- 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 = 13.10 V/m; Power Drift = 0.01 dB

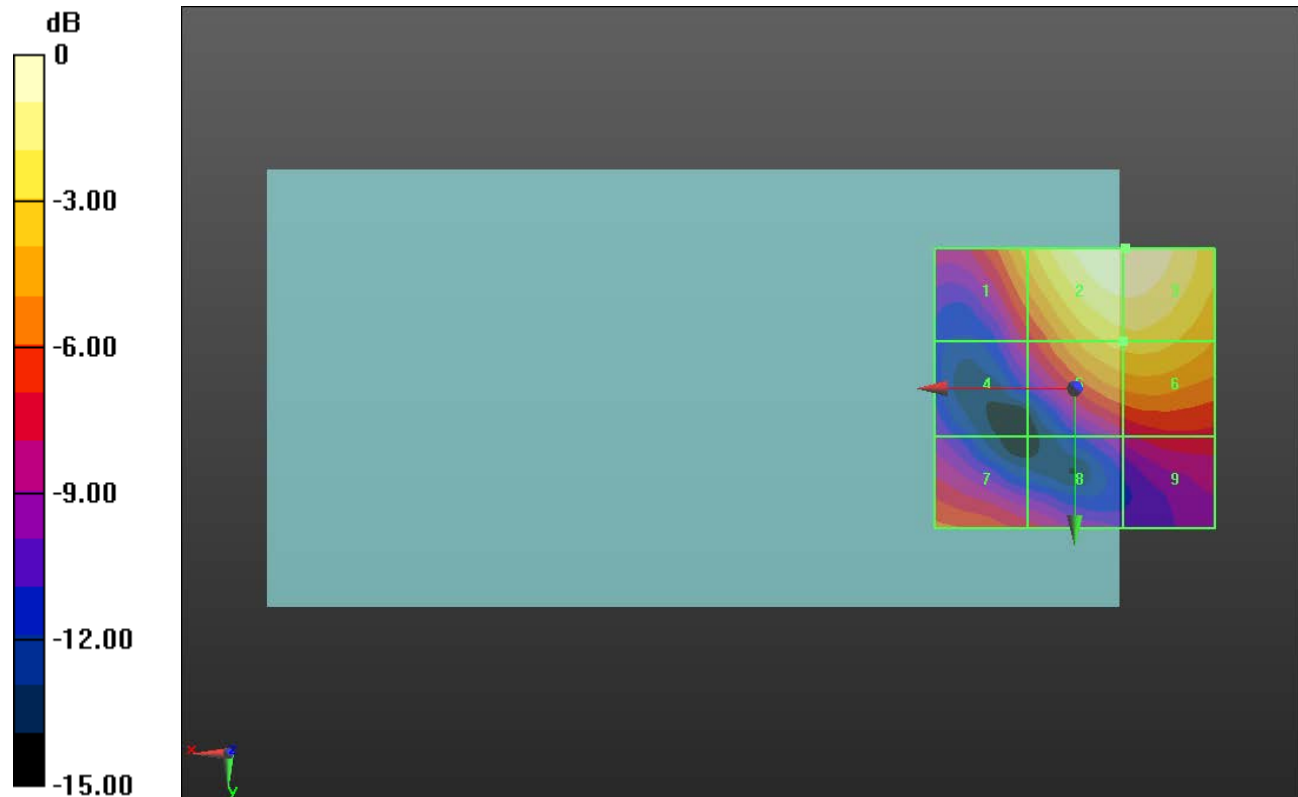
Applied MIF = 3.63 dB

RF audio interference level = 30.42 dBV/m

Emission category: M3

MIF scaled E-field

Grid 1 M4 26.99 dBV/m	Grid 2 M3 30.42 dBV/m	Grid 3 M3 30.42 dBV/m
Grid 4 M4 22.78 dBV/m	Grid 5 M4 27.89 dBV/m	Grid 6 M4 28 dBV/m
Grid 7 M4 24.77 dBV/m	Grid 8 M4 22.95 dBV/m	Grid 9 M4 23.22 dBV/m



0 dB = 33.18 V/m = 30.42 dBV/m

HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1); Calibrated: 7/24/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1343; Calibrated: 8/21/2017
- 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 = 7.957 V/m; Power Drift = -0.12 dB

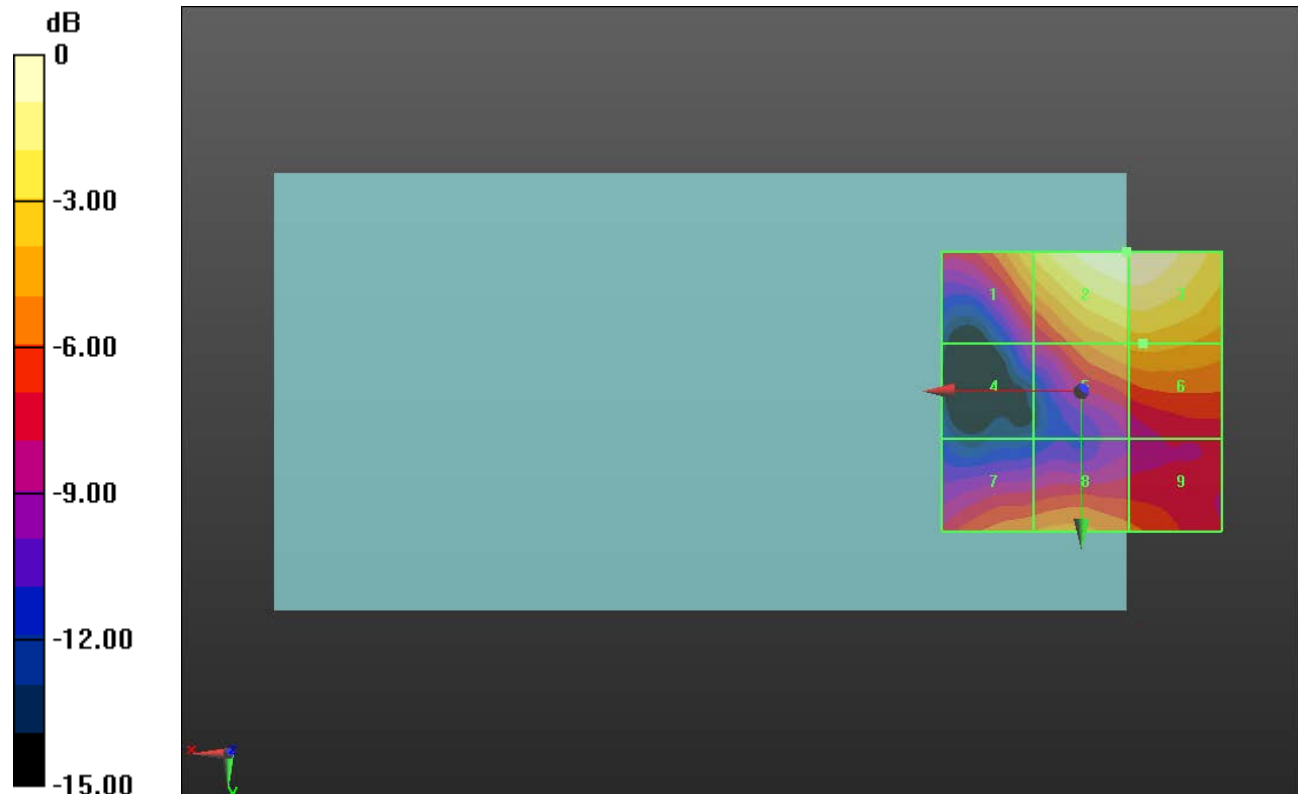
Applied MIF = 3.63 dB

RF audio interference level = 27.99 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 25.27 dBV/m	Grid 2 M4 27.99 dBV/m	Grid 3 M4 27.99 dBV/m
Grid 4 M4 19.48 dBV/m	Grid 5 M4 24.28 dBV/m	Grid 6 M4 24.46 dBV/m
Grid 7 M4 23.03 dBV/m	Grid 8 M4 23.39 dBV/m	Grid 9 M4 22.38 dBV/m



0 dB = 25.08 V/m = 27.99 dBV/m