

HAC-RF Emission

Communication System: UID 10021 - CAA, GSM-FDD (TDMA, GMSK); Frequency: 824.2 MHz; Duty Cycle: 1:8

Phantom section: RF Section

DASY5 Configuration:

- Probe: ER3DV6 - SN2339; ConvF(1, 1, 1); Calibrated: 2/26/2015;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn427; Calibrated: 1/14/2015
- 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 = 97.83 V/m; Power Drift = -0.05 dB

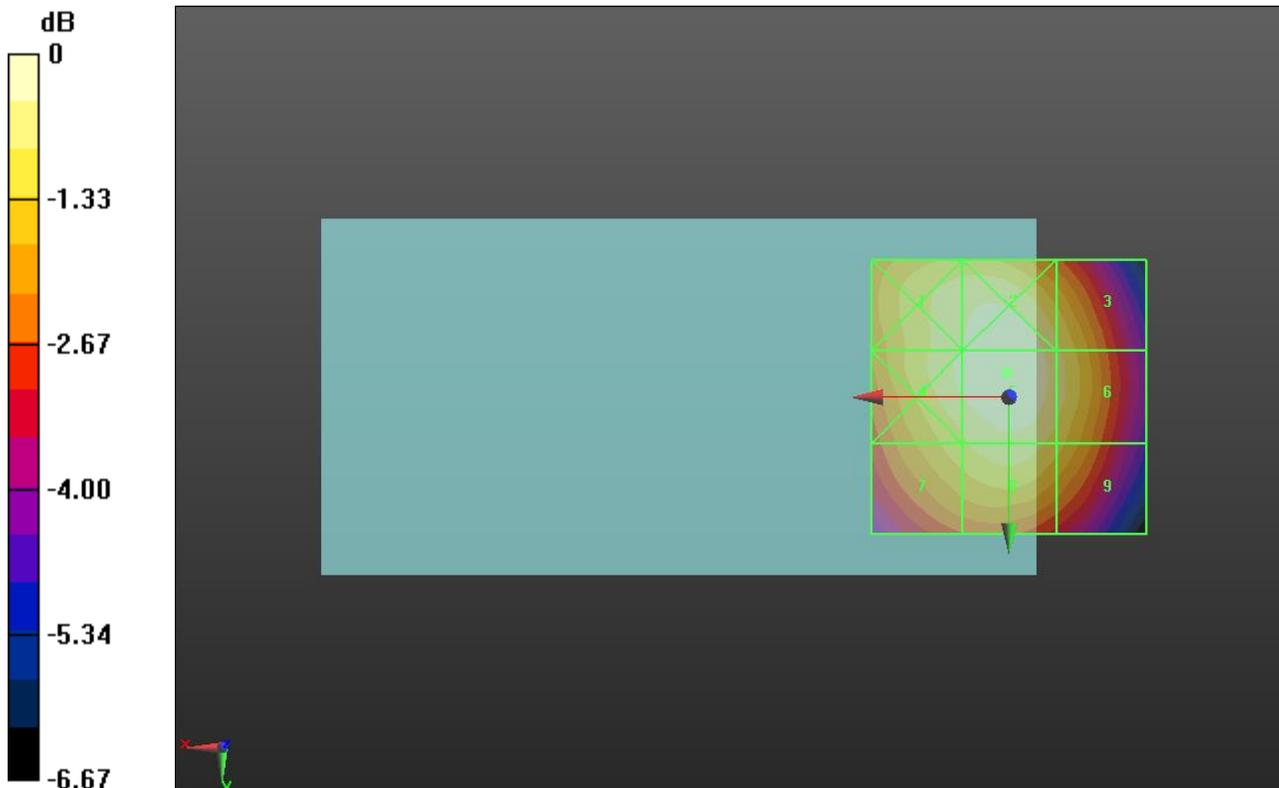
Applied MIF = 3.63 dB

RF audio interference level = 40.95 dBV/m

Emission category: **M3**

MIF scaled E-field

Grid 1 M3 40.56 dBV/m	Grid 2 M3 40.86 dBV/m	Grid 3 M3 40.21 dBV/m
Grid 4 M3 40.62 dBV/m	Grid 5 M3 40.95 dBV/m	Grid 6 M3 40.33 dBV/m
Grid 7 M4 39.98 dBV/m	Grid 8 M3 40.38 dBV/m	Grid 9 M4 39.84 dBV/m



0 dB = 111.6 V/m = 40.95 dBV/m

HAC-RF Emission

Communication System: UID 10021 - CAA, GSM-FDD (TDMA, GMSK); Frequency: 836.6 MHz; Duty Cycle: 1:8

Phantom section: RF Section

DASY5 Configuration:

- Probe: ER3DV6 - SN2339; ConvF(1, 1, 1); Calibrated: 2/26/2015;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn427; Calibrated: 1/14/2015
- 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 = 100.2 V/m; Power Drift = -0.01 dB

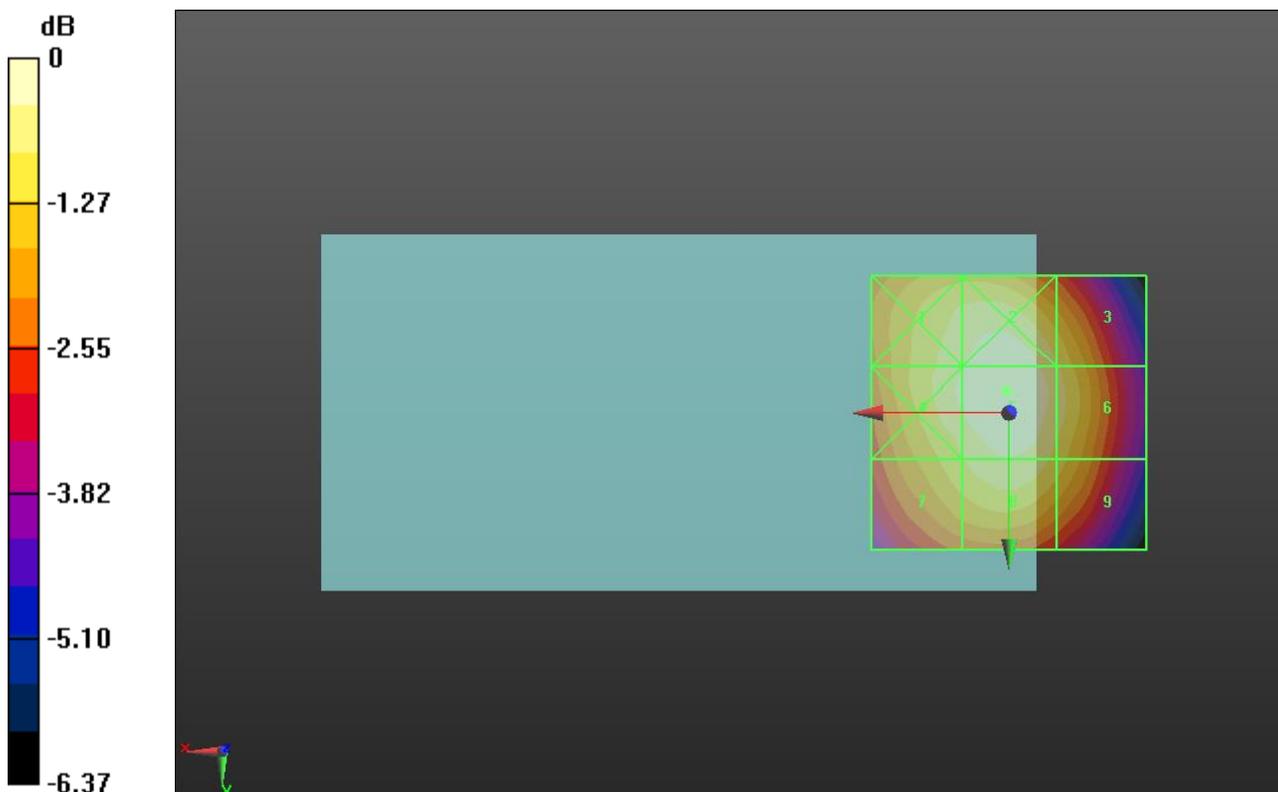
Applied MIF = 3.63 dB

RF audio interference level = 41.18 dBV/m

Emission category: M3

MIF scaled E-field

Grid 1 M3 40.74 dBV/m	Grid 2 M3 41.04 dBV/m	Grid 3 M3 40.42 dBV/m
Grid 4 M3 40.84 dBV/m	Grid 5 M3 41.18 dBV/m	Grid 6 M3 40.59 dBV/m
Grid 7 M3 40.32 dBV/m	Grid 8 M3 40.73 dBV/m	Grid 9 M3 40.19 dBV/m



0 dB = 114.6 V/m = 41.18 dBV/m

HAC-RF Emission

Communication System: UID 10021 - CAA, GSM-FDD (TDMA, GMSK); Frequency: 848.6 MHz; Duty Cycle: 1:8

Phantom section: RF Section

DASY5 Configuration:

- Probe: ER3DV6 - SN2339; ConvF(1, 1, 1); Calibrated: 2/26/2015;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn427; Calibrated: 1/14/2015
- 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 = 108.5 V/m; Power Drift = -0.01 dB

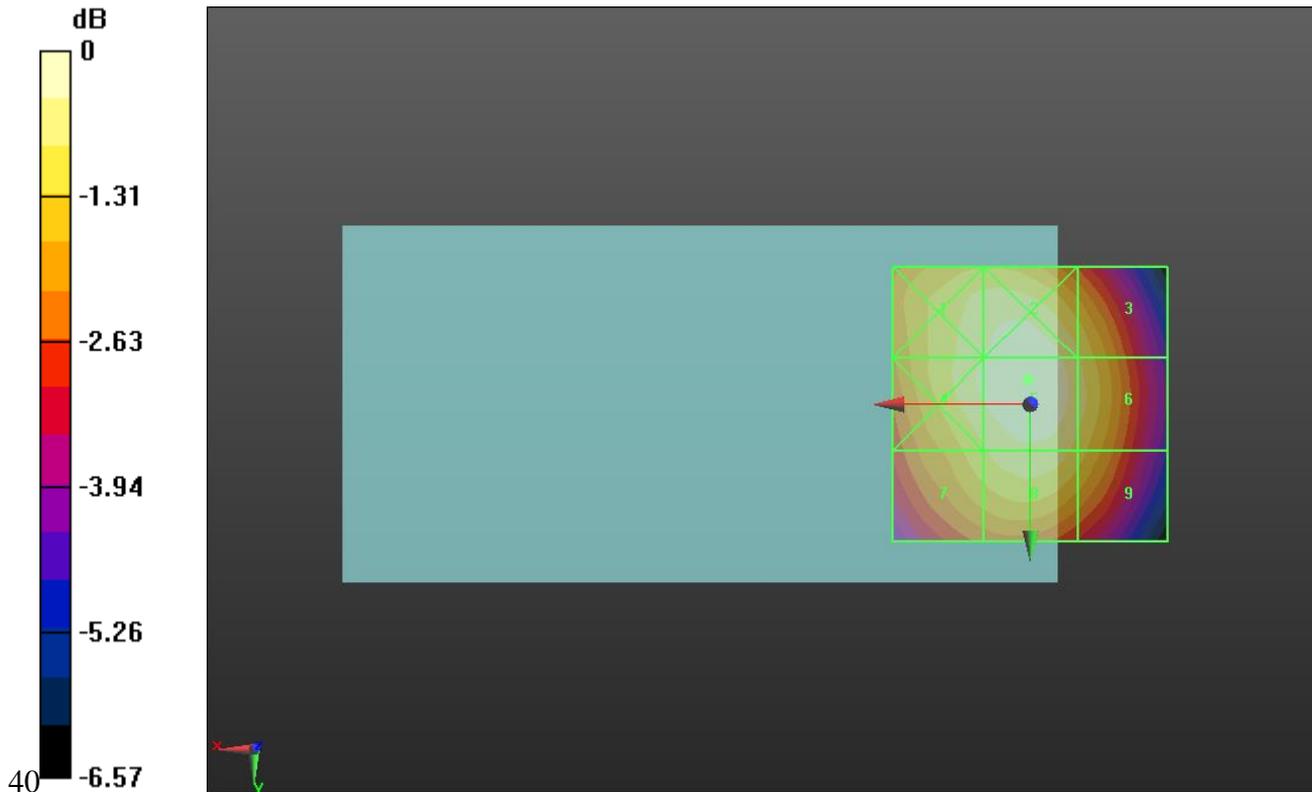
Applied MIF = 3.63 dB

RF audio interference level = 41.88 dBV/m

Emission category: **M3**

MIF scaled E-field

Grid 1 M3 41.45 dBV/m	Grid 2 M3 41.73 dBV/m	Grid 3 M3 41.1 dBV/m
Grid 4 M3 41.54 dBV/m	Grid 5 M3 41.88 dBV/m	Grid 6 M3 41.25 dBV/m
Grid 7 M3 40.96 dBV/m	Grid 8 M3 41.34 dBV/m	Grid 9 M3 40.83 dBV/m



0 dB = 124.2 V/m = 41.88 dBV/m

HAC-RF Emission

Communication System: UID 10021 - DAB, GSM-FDD (TDMA, GMSK); Frequency: 1850.2 MHz; Duty Cycle: 1:8

Phantom section: RF Section

DASY5 Configuration:

- Probe: ER3DV6 - SN2339; ConvF(1, 1, 1); Calibrated: 2/26/2015;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn427; Calibrated: 1/14/2015
- 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 = 12.40 V/m; Power Drift = -0.13 dB

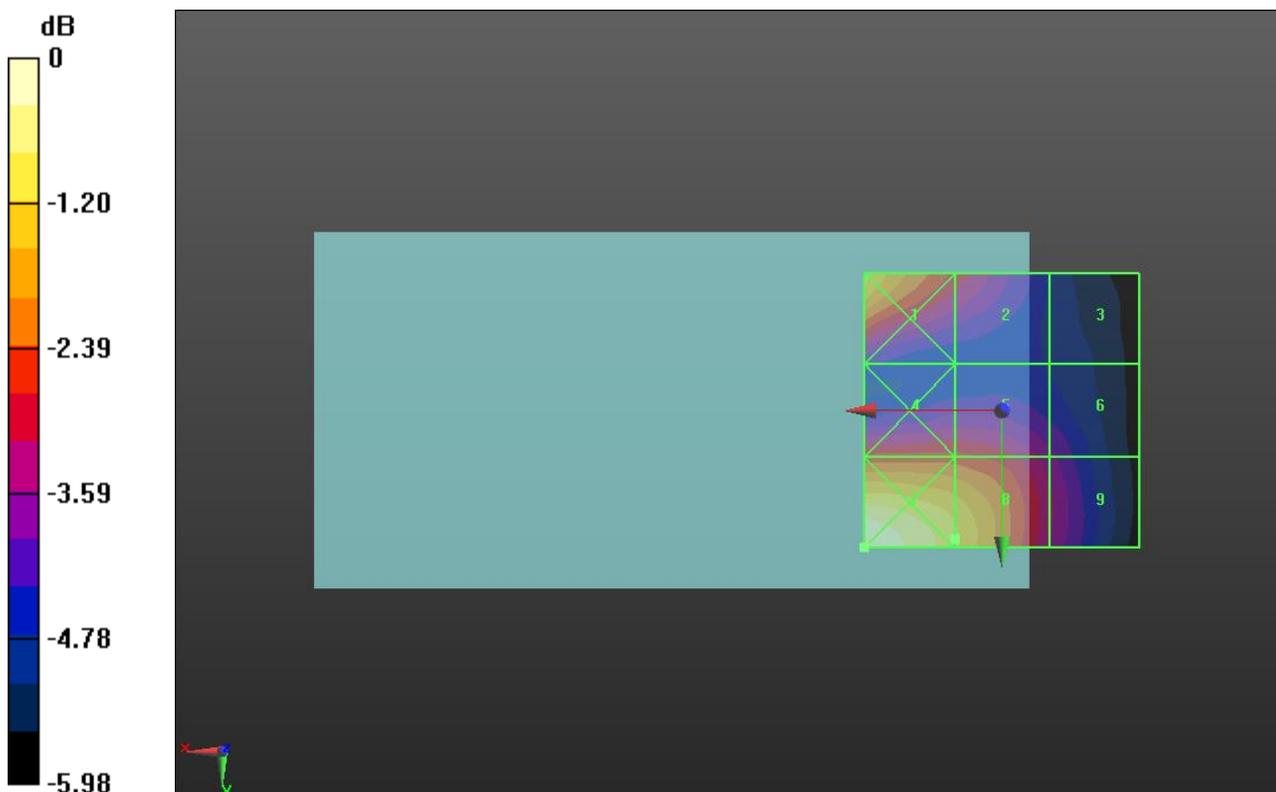
Applied MIF = 3.63 dB

RF audio interference level = 27.75 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 27.83 dBV/m	Grid 2 M4 25.98 dBV/m	Grid 3 M4 24.11 dBV/m
Grid 4 M4 26.31 dBV/m	Grid 5 M4 26.27 dBV/m	Grid 6 M4 25.05 dBV/m
Grid 7 M4 28.88 dBV/m	Grid 8 M4 27.75 dBV/m	Grid 9 M4 25.43 dBV/m



0 dB = 27.78 V/m = 28.87 dBV/m

HAC-RF Emission

Communication System: UID 10021 - DAB, GSM-FDD (TDMA, GMSK); Frequency: 1880 MHz; Duty Cycle: 1:8

Phantom section: RF Section

DASY5 Configuration:

- Probe: ER3DV6 - SN2339; ConvF(1, 1, 1); Calibrated: 2/26/2015;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn427; Calibrated: 1/14/2015
- 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 = 11.96 V/m; Power Drift = 0.09 dB

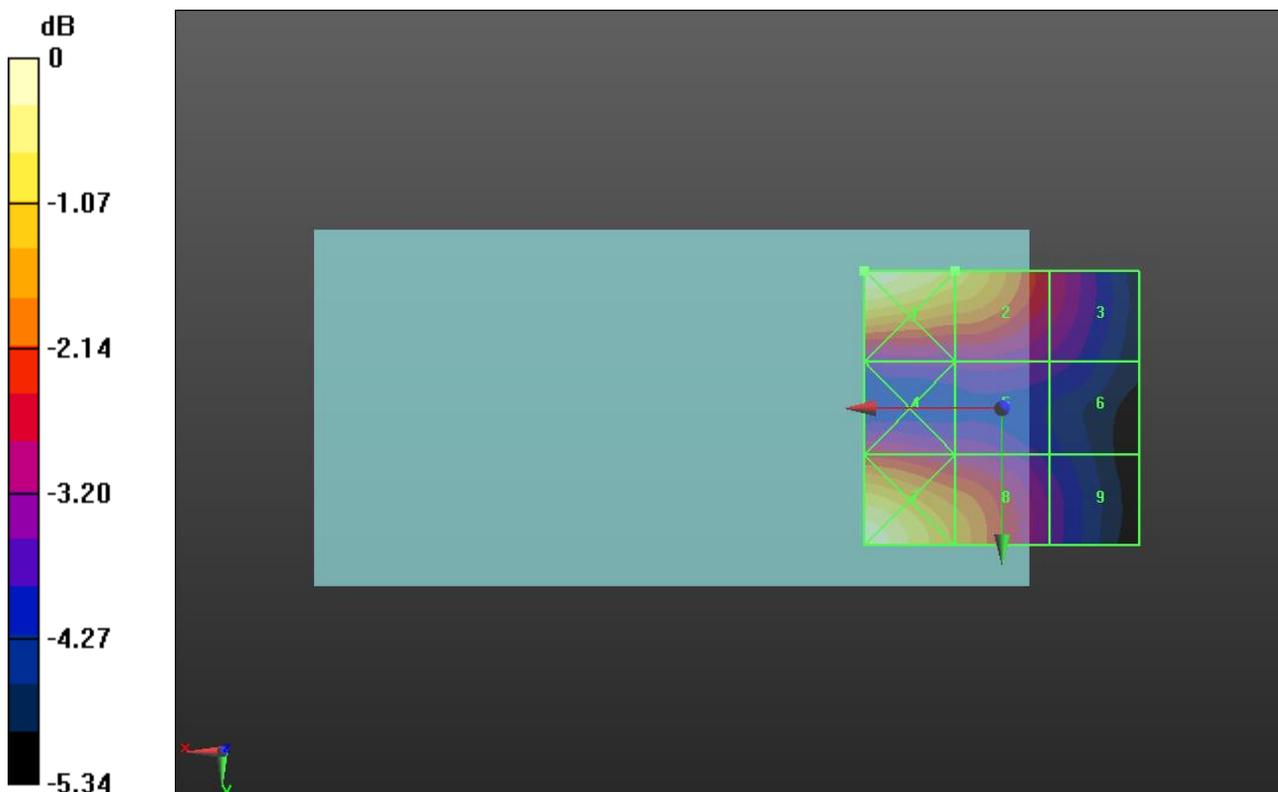
Applied MIF = 3.63 dB

RF audio interference level = 28.59 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 29.44 dBV/m	Grid 2 M4 28.59 dBV/m	Grid 3 M4 26.64 dBV/m
Grid 4 M4 26.87 dBV/m	Grid 5 M4 26.33 dBV/m	Grid 6 M4 25.79 dBV/m
Grid 7 M4 29.42 dBV/m	Grid 8 M4 27.93 dBV/m	Grid 9 M4 25.85 dBV/m



0 dB = 29.64 V/m = 29.44 dBV/m

HAC-RF Emission

Communication System: UID 10021 - DAB, GSM-FDD (TDMA, GMSK); Frequency: 1909.8 MHz; Duty Cycle: 1:8

Phantom section: RF Section

DASY5 Configuration:

- Probe: ER3DV6 - SN2339; ConvF(1, 1, 1); Calibrated: 2/26/2015;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn427; Calibrated: 1/14/2015
- 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 = 10.53 V/m; Power Drift = 0.14 dB

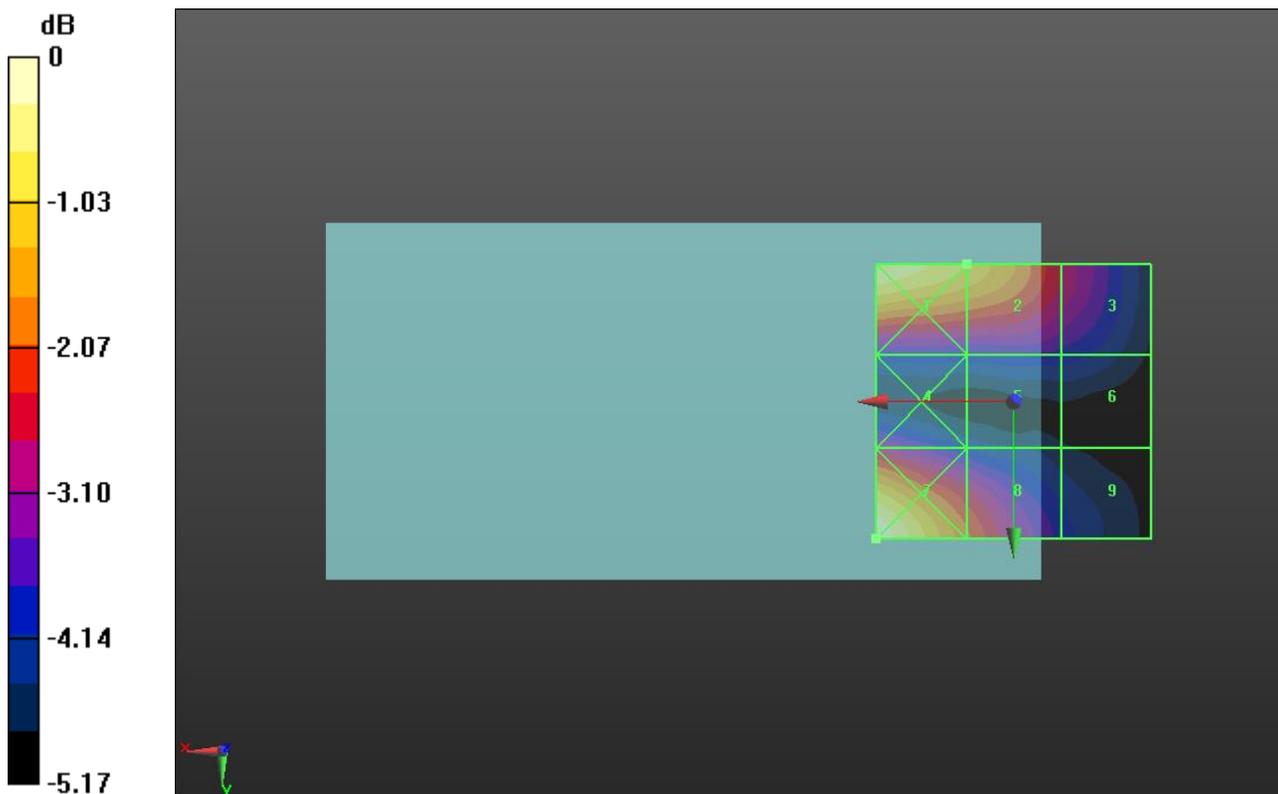
Applied MIF = 3.63 dB

RF audio interference level = 28.84 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 29.58 dBV/m	Grid 2 M4 28.84 dBV/m	Grid 3 M4 27.15 dBV/m
Grid 4 M4 26.97 dBV/m	Grid 5 M4 26.15 dBV/m	Grid 6 M4 25.98 dBV/m
Grid 7 M4 29.88 dBV/m	Grid 8 M4 27.91 dBV/m	Grid 9 M4 25.98 dBV/m



0 dB = 31.20 V/m = 29.88 dBV/m