

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: ER3DV6 - SN2540; ConvF(1, 1, 1); Calibrated: 8/26/2014;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1359; Calibrated: 2/17/2014
- 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 = 78.38 V/m; Power Drift = 0.22 dB

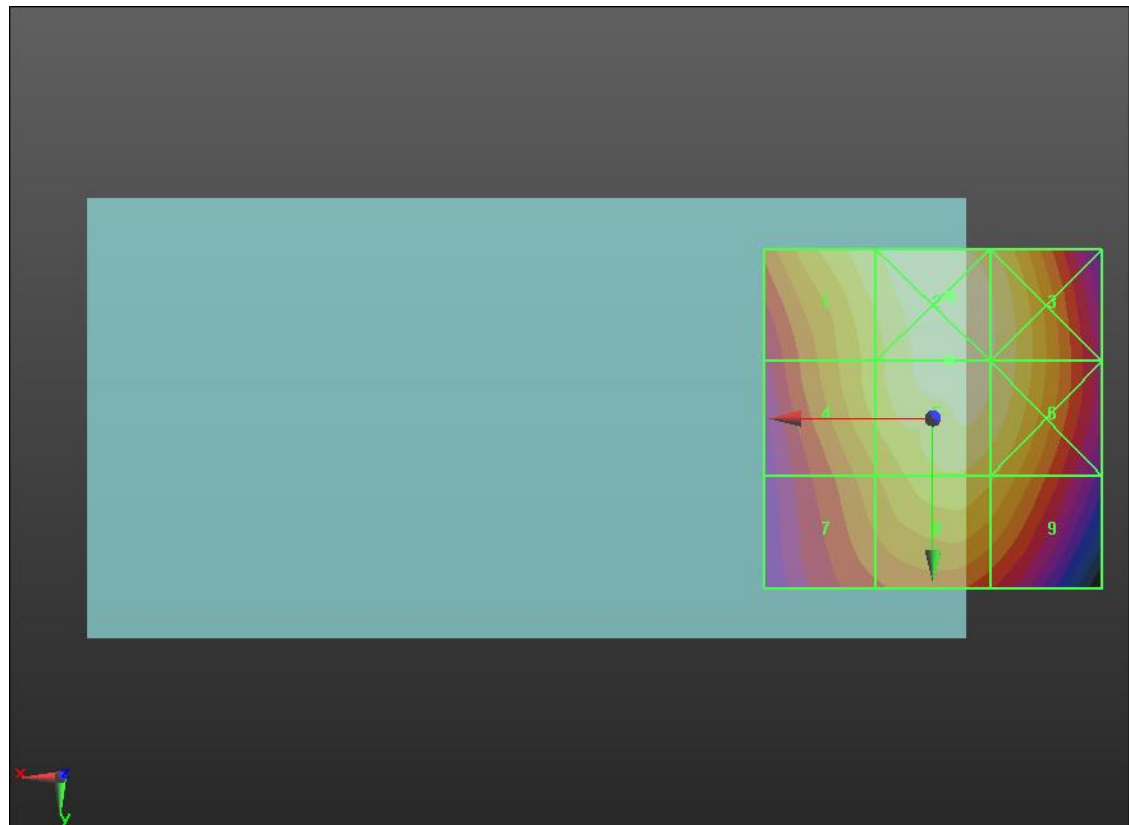
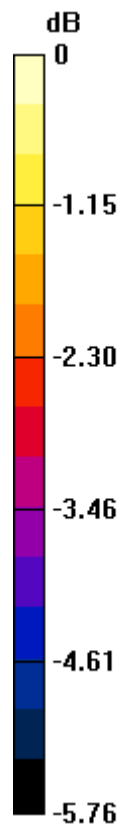
Applied MIF = 3.63 dB

RF audio interference level = 39.95 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 39.6 dBV/m	Grid 2 M3 40.03 dBV/m	Grid 3 M4 39.72 dBV/m
Grid 4 M4 39.13 dBV/m	Grid 5 M4 39.95 dBV/m	Grid 6 M4 39.7 dBV/m
Grid 7 M4 38.46 dBV/m	Grid 8 M4 39.24 dBV/m	Grid 9 M4 38.98 dBV/m



0 dB = 100.4 V/m = 40.03 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: ER3DV6 - SN2540; ConvF(1, 1, 1); Calibrated: 8/26/2014;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1359; Calibrated: 2/17/2014
- 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 = 81.79 V/m; Power Drift = -0.11 dB

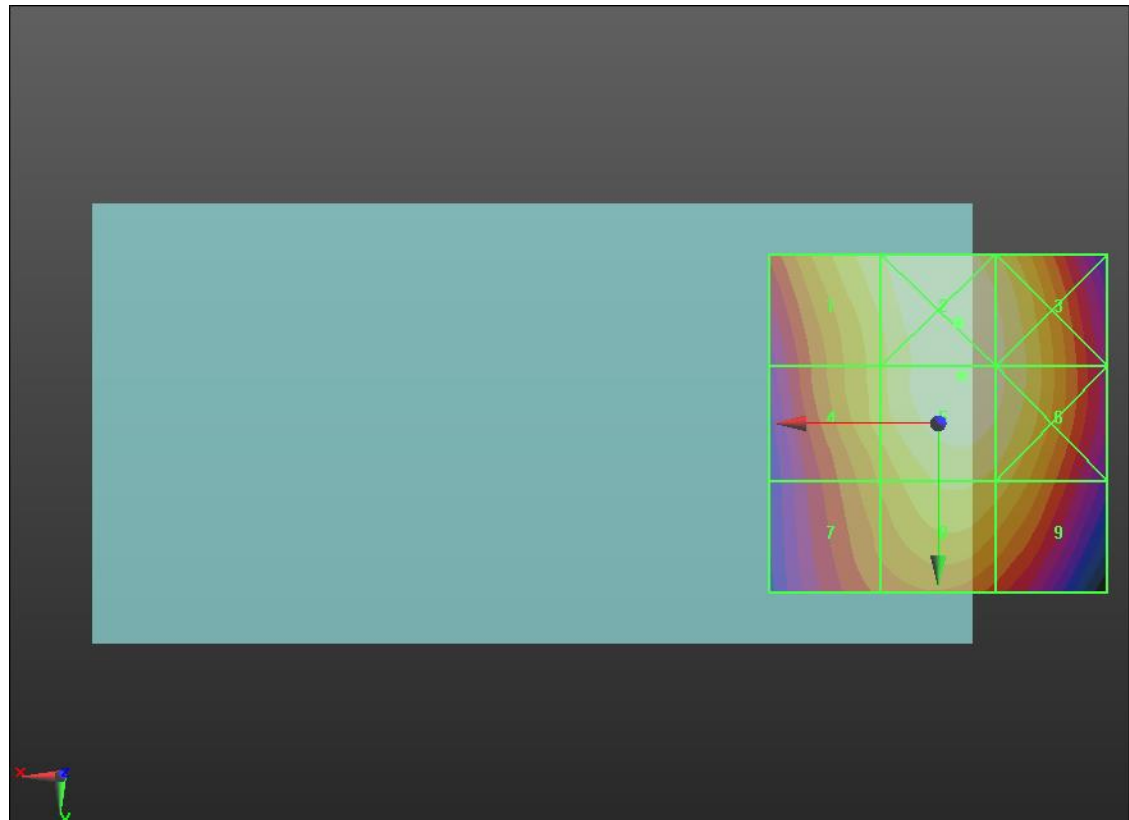
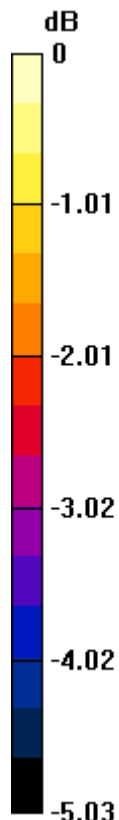
Applied MIF = 3.63 dB

RF audio interference level = 40.07 dBV/m

Emission category: M3

MIF scaled E-field

Grid 1 M4 39.72 dBV/m	Grid 2 M3 40.1 dBV/m	Grid 3 M4 39.88 dBV/m
Grid 4 M4 39.33 dBV/m	Grid 5 M3 40.07 dBV/m	Grid 6 M4 39.88 dBV/m
Grid 7 M4 38.82 dBV/m	Grid 8 M4 39.5 dBV/m	Grid 9 M4 39.3 dBV/m



0 dB = 101.1 V/m = 40.10 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: ER3DV6 - SN2540; ConvF(1, 1, 1); Calibrated: 8/26/2014;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1359; Calibrated: 2/17/2014
- 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 = 73.63 V/m; Power Drift = -0.03 dB

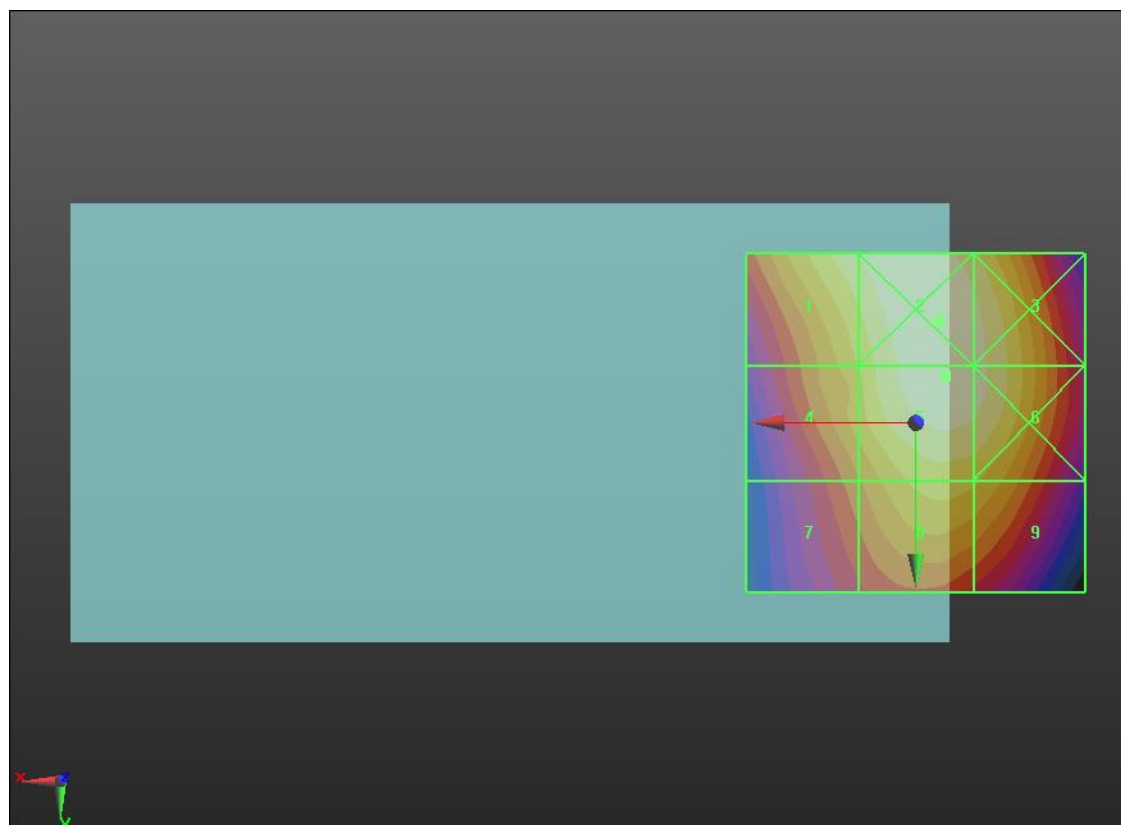
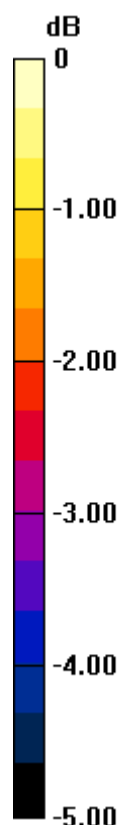
Applied MIF = 3.63 dB

RF audio interference level = 39.17 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 38.89 dBV/m	Grid 2 M4 39.22 dBV/m	Grid 3 M4 39.03 dBV/m
Grid 4 M4 38.24 dBV/m	Grid 5 M4 39.17 dBV/m	Grid 6 M4 39.05 dBV/m
Grid 7 M4 37.51 dBV/m	Grid 8 M4 38.41 dBV/m	Grid 9 M4 38.28 dBV/m



0 dB = 91.38 V/m = 39.22 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: ER3DV6 - SN2540; ConvF(1, 1, 1); Calibrated: 8/26/2014;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1359; Calibrated: 2/17/2014
- 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 = 21.23 V/m; Power Drift = -0.10 dB

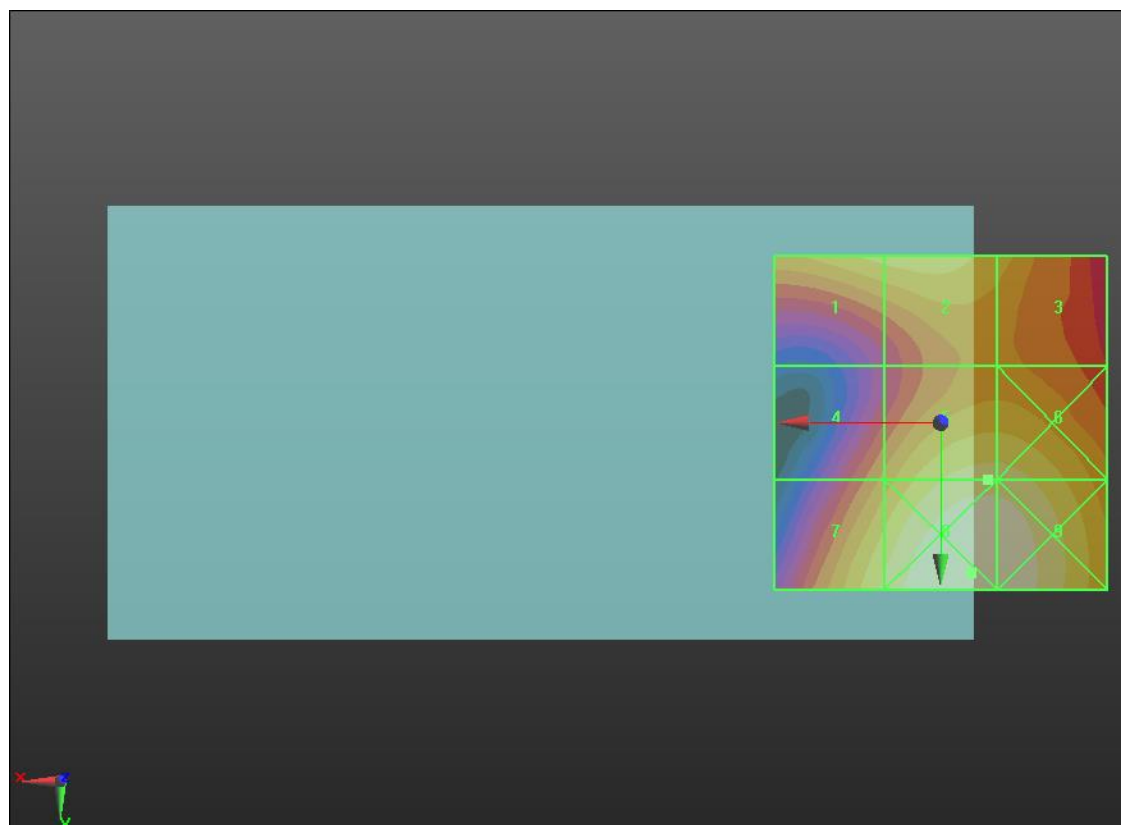
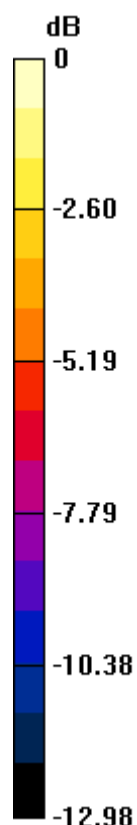
Applied MIF = 3.63 dB

RF audio interference level = 29.87 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 28.89 dBV/m	Grid 2 M4 29.11 dBV/m	Grid 3 M4 28.11 dBV/m
Grid 4 M4 27.13 dBV/m	Grid 5 M4 29.87 dBV/m	Grid 6 M4 29.85 dBV/m
Grid 7 M4 29.58 dBV/m	Grid 8 M3 31.11 dBV/m	Grid 9 M3 31.02 dBV/m



0 dB = 35.92 V/m = 31.11 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: ER3DV6 - SN2540; ConvF(1, 1, 1); Calibrated: 8/26/2014;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1359; Calibrated: 2/17/2014
- 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 = 19.68 V/m; Power Drift = -0.06 dB

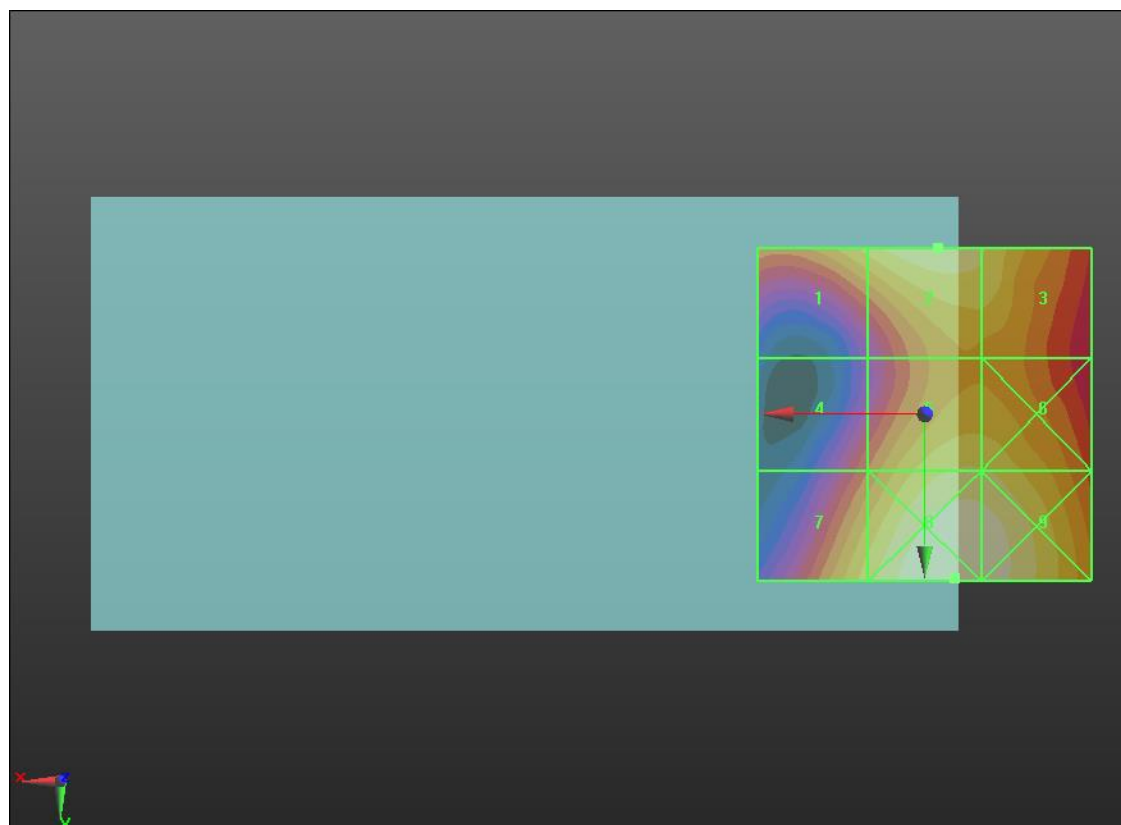
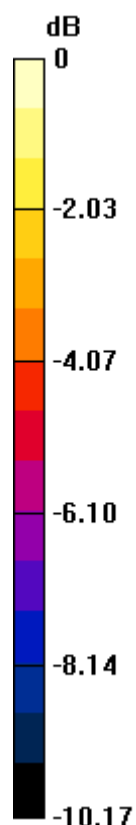
Applied MIF = 3.63 dB

RF audio interference level = 29.35 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 28.45 dBV/m	Grid 2 M4 29.35 dBV/m	Grid 3 M4 28.89 dBV/m
Grid 4 M4 26.13 dBV/m	Grid 5 M4 28.87 dBV/m	Grid 6 M4 28.84 dBV/m
Grid 7 M4 28.56 dBV/m	Grid 8 M3 30.12 dBV/m	Grid 9 M4 29.98 dBV/m



0 dB = 32.06 V/m = 30.12 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: ER3DV6 - SN2540; ConvF(1, 1, 1); Calibrated: 8/26/2014;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1359; Calibrated: 2/17/2014
- 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 = 15.92 V/m; Power Drift = 0.32 dB

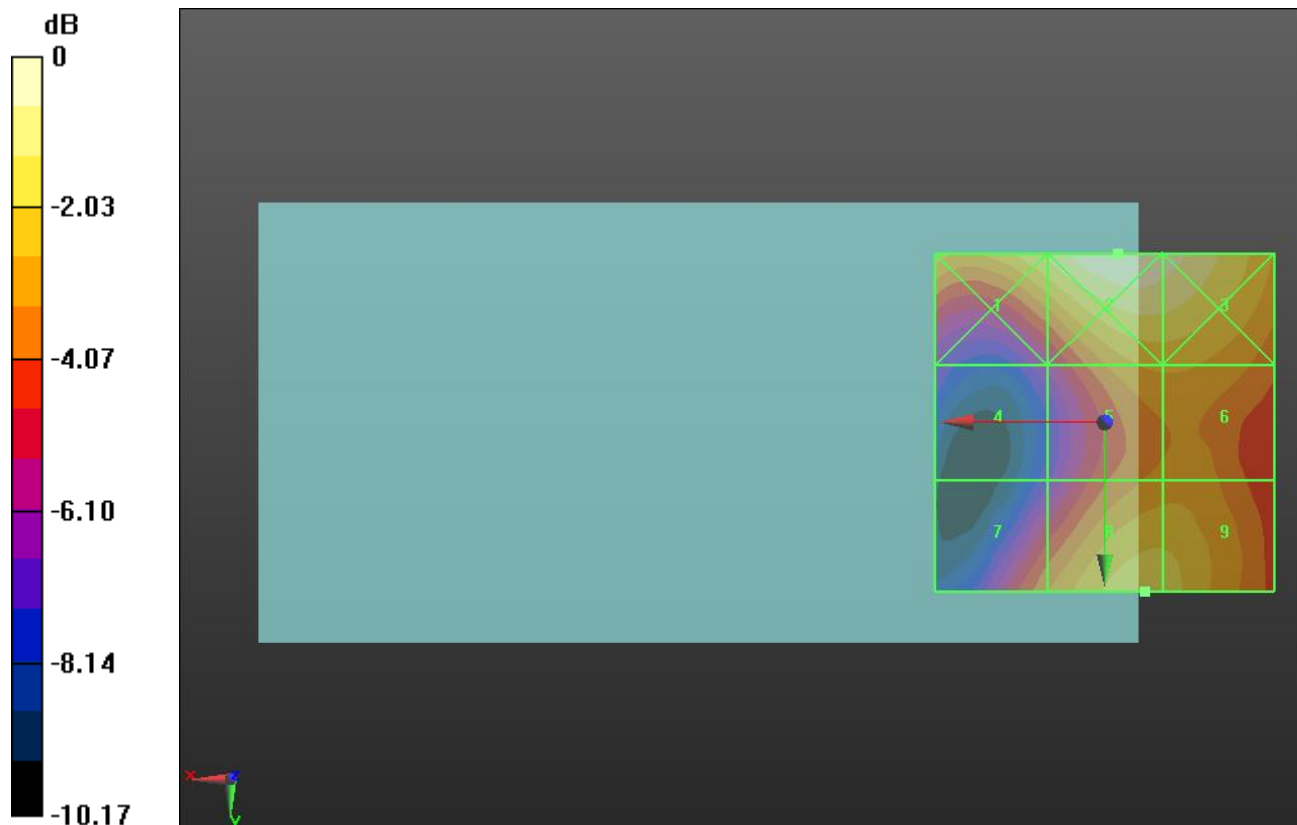
Applied MIF = 3.63 dB

RF audio interference level = 28.64 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 29.23 dBV/m	Grid 2 M3 30.35 dBV/m	Grid 3 M3 30.07 dBV/m
Grid 4 M4 24.48 dBV/m	Grid 5 M4 27.81 dBV/m	Grid 6 M4 27.82 dBV/m
Grid 7 M4 26.95 dBV/m	Grid 8 M4 28.64 dBV/m	Grid 9 M4 28.61 dBV/m



0 dB = 32.93 V/m = 30.35 dBV/m