

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 - SN2339; ConvF(1, 1, 1); Calibrated: 2/14/2014;
- 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 = 60.25 V/m; Power Drift = -0.56 dB

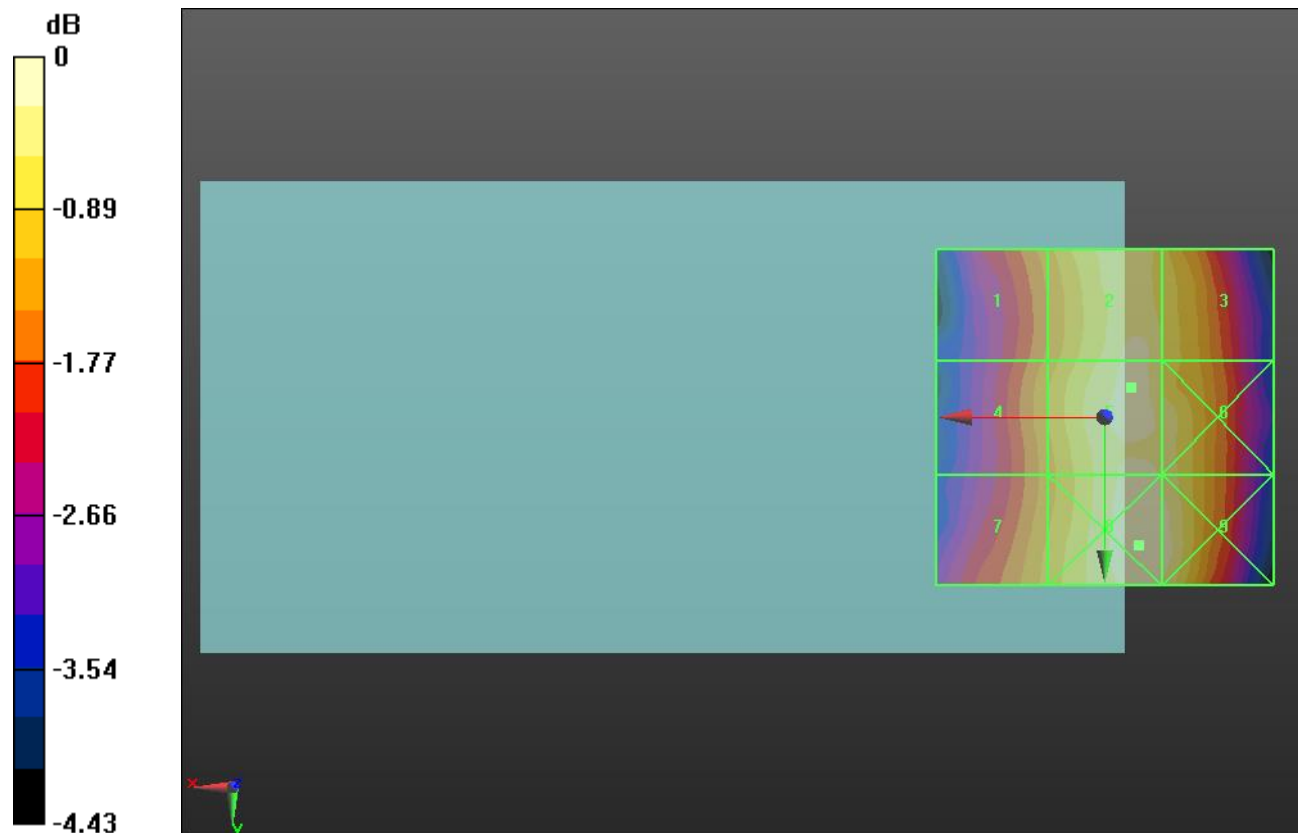
Applied MIF = 3.63 dB

RF audio interference level = 37.18 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 36.05 dBV/m	Grid 2 M4 37.17 dBV/m	Grid 3 M4 36.76 dBV/m
Grid 4 M4 36.15 dBV/m	Grid 5 M4 37.18 dBV/m	Grid 6 M4 36.98 dBV/m
Grid 7 M4 36.25 dBV/m	Grid 8 M4 37.32 dBV/m	Grid 9 M4 37.2 dBV/m



0 dB = 73.45 V/m = 37.32 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 - SN2339; ConvF(1, 1, 1); Calibrated: 2/14/2014;
- 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 = 69.45 V/m; Power Drift = -0.46 dB

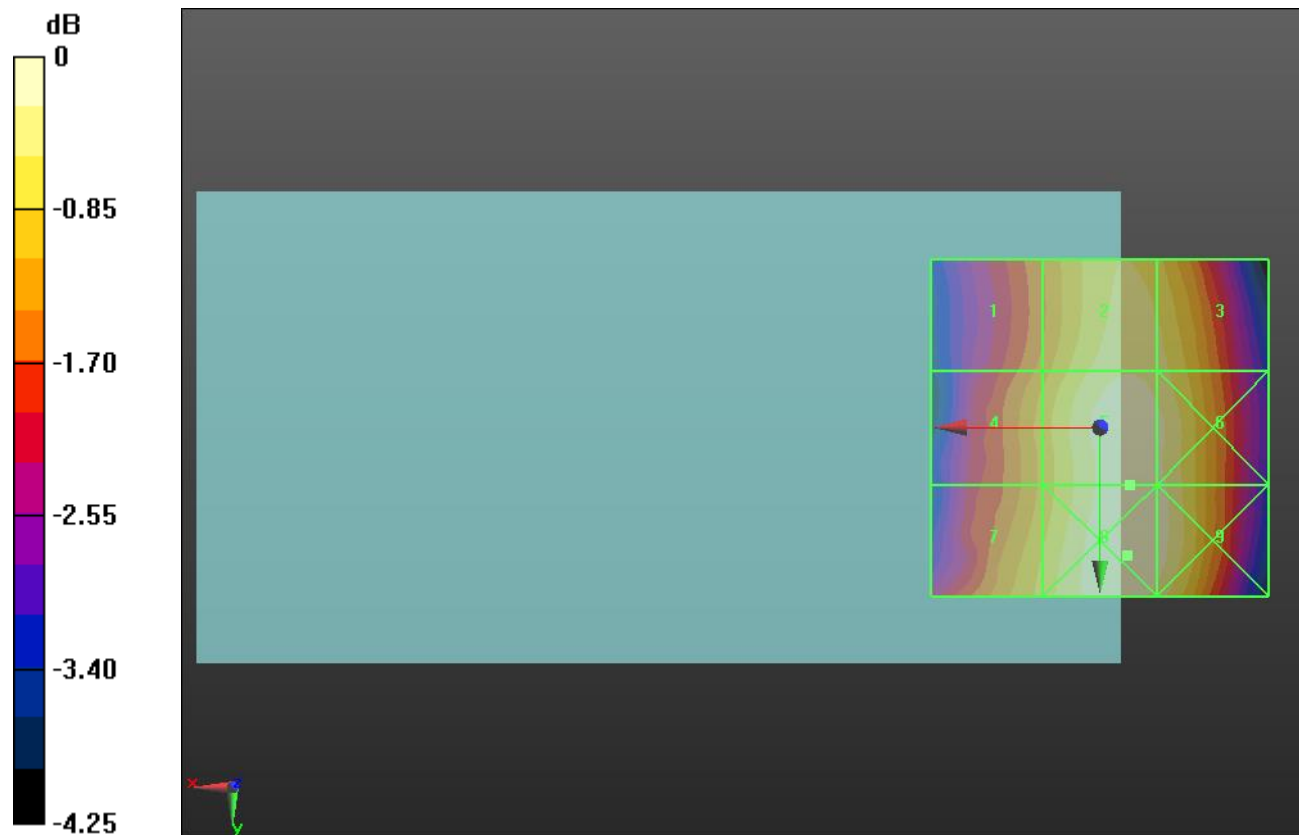
Applied MIF = 3.63 dB

RF audio interference level = 38.18 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 36.96 dBV/m	Grid 2 M4 37.93 dBV/m	Grid 3 M4 37.81 dBV/m
Grid 4 M4 37.26 dBV/m	Grid 5 M4 38.18 dBV/m	Grid 6 M4 38.06 dBV/m
Grid 7 M4 37.5 dBV/m	Grid 8 M4 38.24 dBV/m	Grid 9 M4 38.12 dBV/m



0 dB = 81.62 V/m = 38.24 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 - SN2339; ConvF(1, 1, 1); Calibrated: 2/14/2014;
- 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 = 62.45 V/m; Power Drift = -0.04 dB

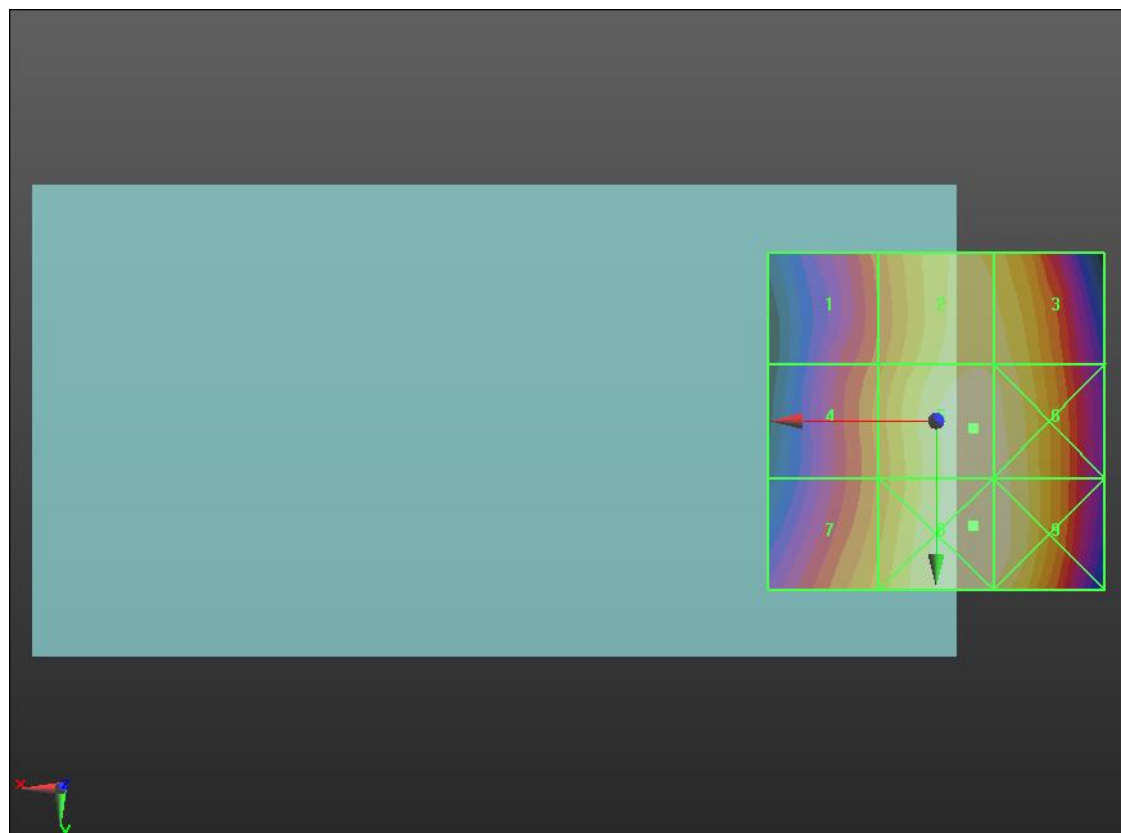
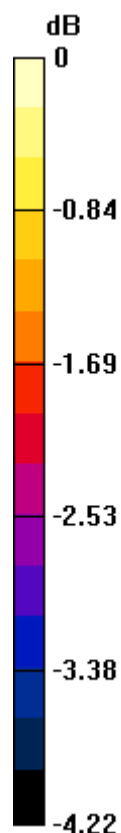
Applied MIF = 3.63 dB

RF audio interference level = 37.85 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 36.41 dBV/m	Grid 2 M4 37.62 dBV/m	Grid 3 M4 37.58 dBV/m
Grid 4 M4 36.66 dBV/m	Grid 5 M4 37.85 dBV/m	Grid 6 M4 37.81 dBV/m
Grid 7 M4 36.93 dBV/m	Grid 8 M4 37.92 dBV/m	Grid 9 M4 37.84 dBV/m



0 dB = 78.69 V/m = 37.92 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 - SN2339; ConvF(1, 1, 1); Calibrated: 2/14/2014;
- 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 = 14.65 V/m; Power Drift = -0.09 dB

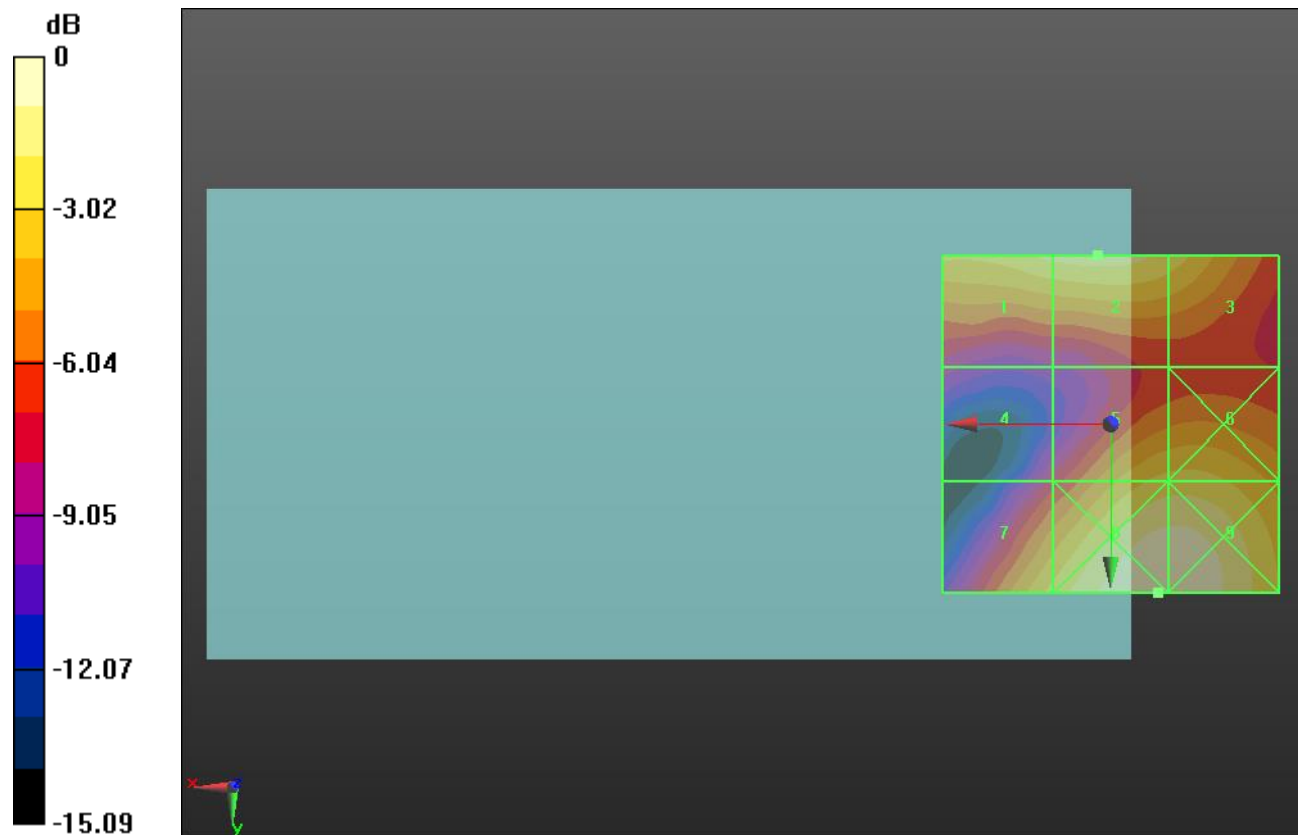
Applied MIF = 3.63 dB

RF audio interference level = 30.09 dBV/m

Emission category: M3

MIF scaled E-field

Grid 1 M4 29.84 dBV/m	Grid 2 M3 30.09 dBV/m	Grid 3 M4 29.22 dBV/m
Grid 4 M4 24.1 dBV/m	Grid 5 M4 28.97 dBV/m	Grid 6 M4 29.07 dBV/m
Grid 7 M4 28.99 dBV/m	Grid 8 M3 31.58 dBV/m	Grid 9 M3 31.56 dBV/m



0 dB = 37.93 V/m = 31.58 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 - SN2339; ConvF(1, 1, 1); Calibrated: 2/14/2014;
- 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 = 11.22 V/m; Power Drift = 0.83 dB

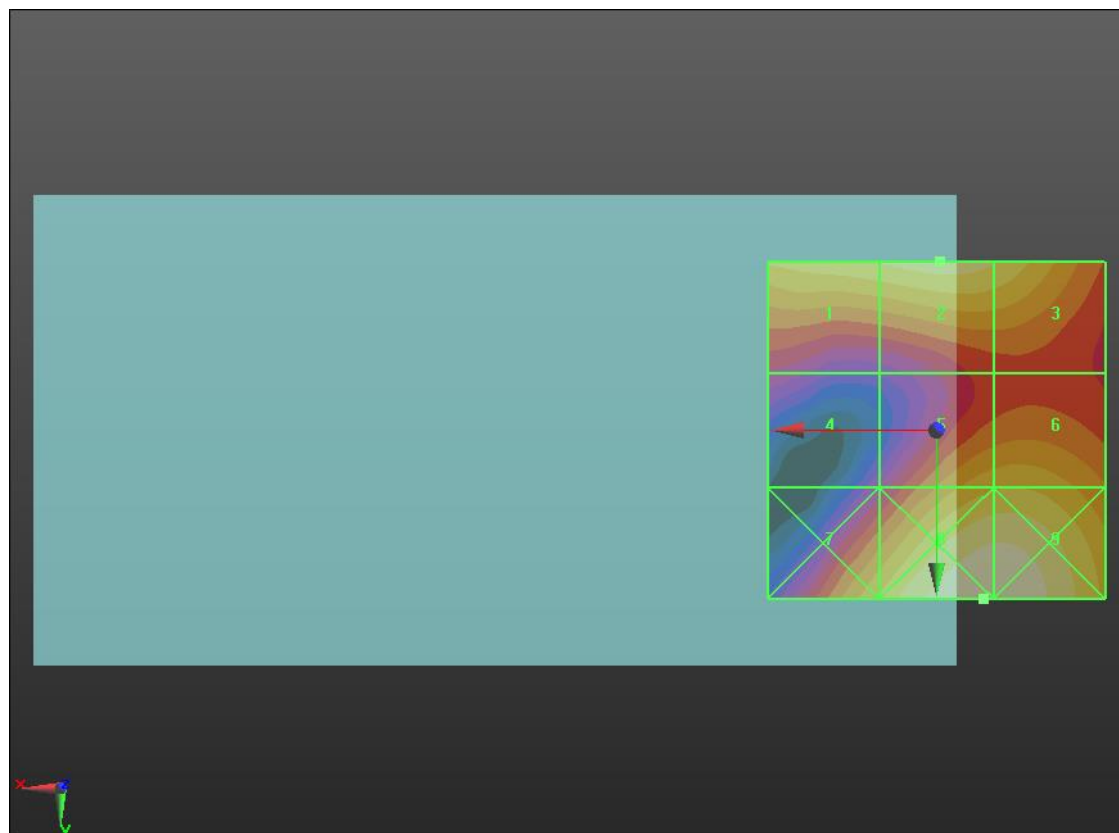
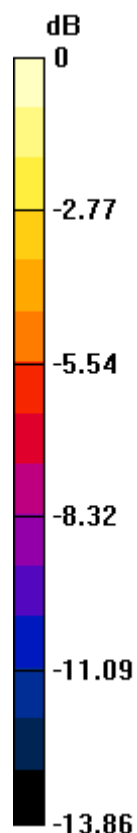
Applied MIF = 3.63 dB

RF audio interference level = 29.33 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 28.81 dBV/m	Grid 2 M4 29.33 dBV/m	Grid 3 M4 28.82 dBV/m
Grid 4 M4 23.14 dBV/m	Grid 5 M4 27.71 dBV/m	Grid 6 M4 27.83 dBV/m
Grid 7 M4 27.96 dBV/m	Grid 8 M3 30.59 dBV/m	Grid 9 M3 30.57 dBV/m



0 dB = 33.84 V/m = 30.59 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 - SN2339; ConvF(1, 1, 1); Calibrated: 2/14/2014;
- 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 = 12.04 V/m; Power Drift = 0.11 dB

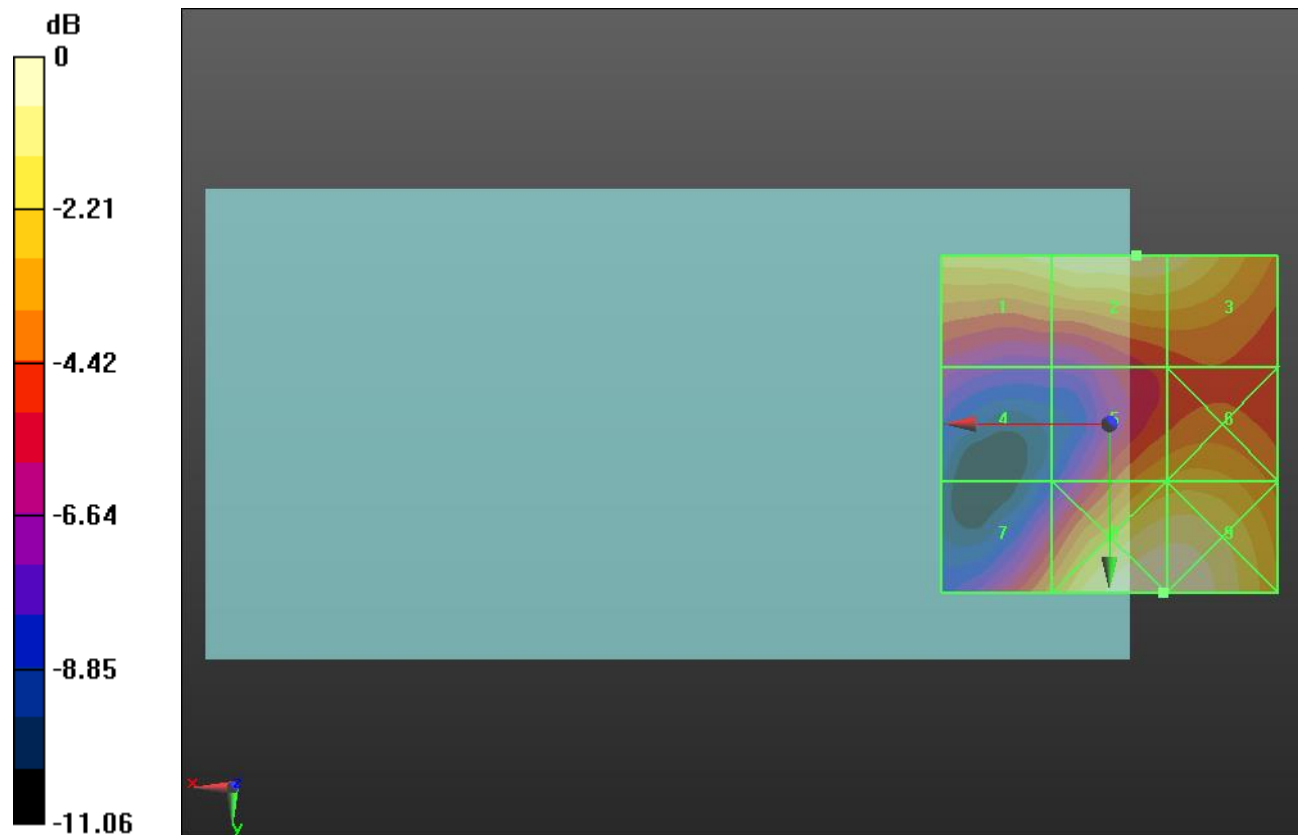
Applied MIF = 3.63 dB

RF audio interference level = 29.55 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 29.08 dBV/m	Grid 2 M4 29.55 dBV/m	Grid 3 M4 29.19 dBV/m
Grid 4 M4 24.06 dBV/m	Grid 5 M4 27.39 dBV/m	Grid 6 M4 27.6 dBV/m
Grid 7 M4 26.95 dBV/m	Grid 8 M3 30.1 dBV/m	Grid 9 M3 30.1 dBV/m



0 dB = 32.00 V/m = 30.10 dBV/m