

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 = 69.98 V/m; Power Drift = 0.16 dB

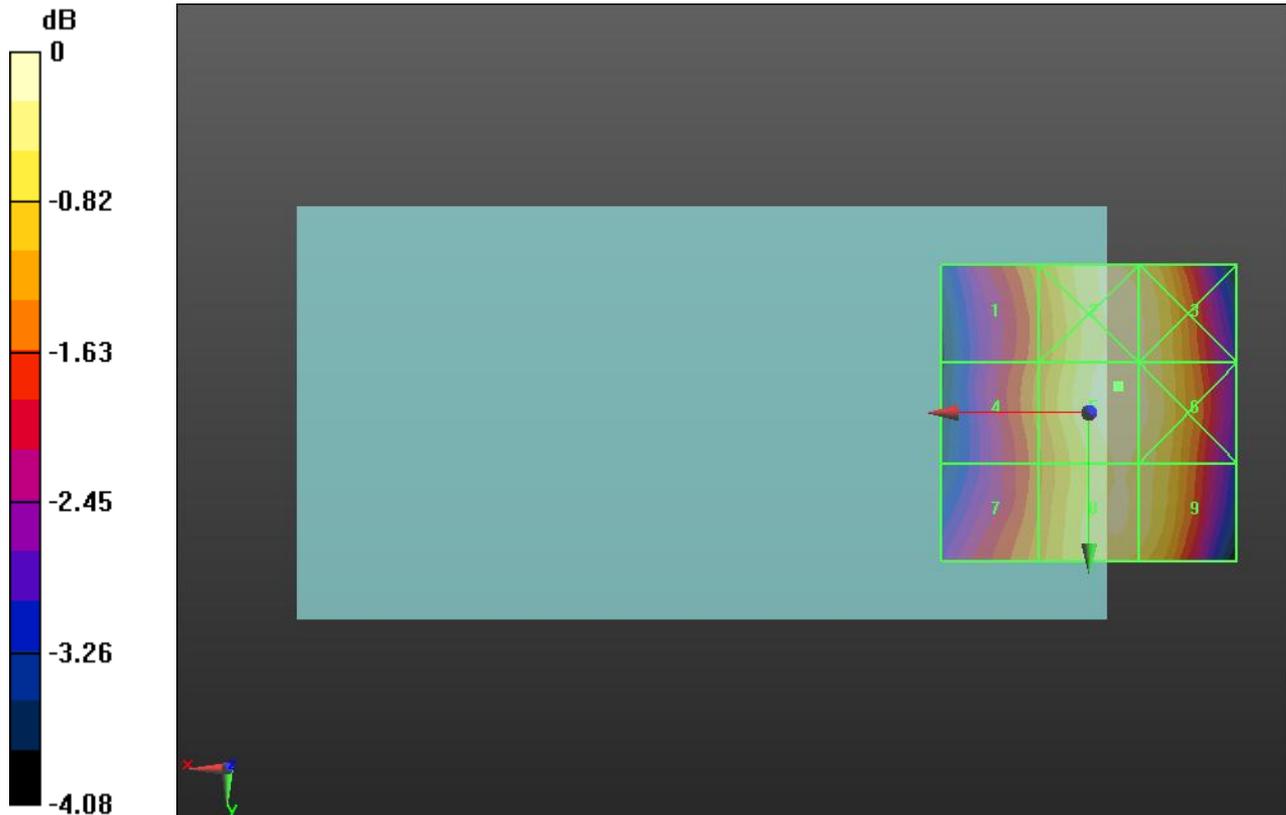
Applied MIF = 3.63 dB

RF audio interference level = 38.86 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 37.7 dBV/m	Grid 2 M4 38.68 dBV/m	Grid 3 M4 38.65 dBV/m
Grid 4 M4 37.64 dBV/m	Grid 5 M4 38.86 dBV/m	Grid 6 M4 38.7 dBV/m
Grid 7 M4 37.67 dBV/m	Grid 8 M4 38.63 dBV/m	Grid 9 M4 38.52 dBV/m



0 dB = 87.65 V/m = 38.86 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 = 62.58 V/m; Power Drift = -0.29 dB

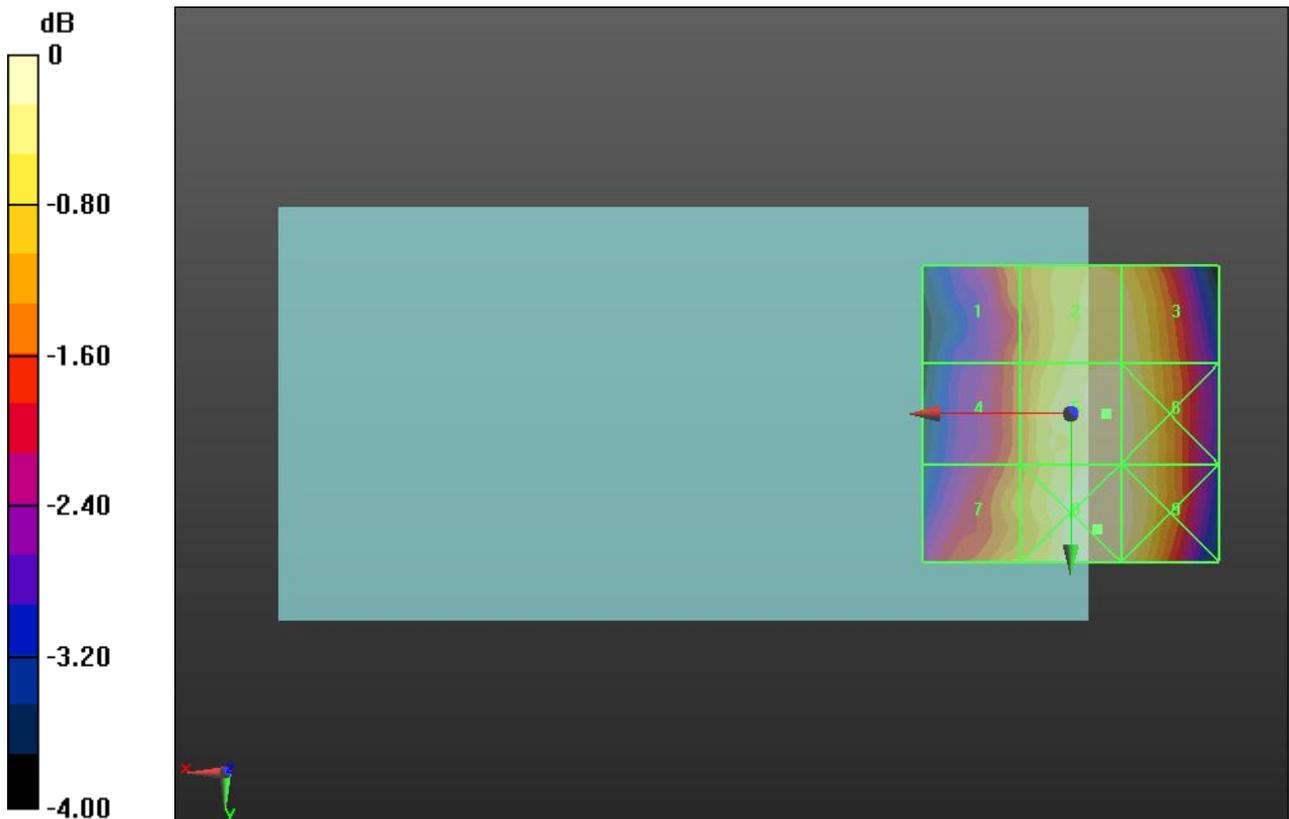
Applied MIF = 3.63 dB

RF audio interference level = 37.60 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 36.48 dBV/m	Grid 2 M4 37.43 dBV/m	Grid 3 M4 37.41 dBV/m
Grid 4 M4 36.43 dBV/m	Grid 5 M4 37.61 dBV/m	Grid 6 M4 37.56 dBV/m
Grid 7 M4 36.99 dBV/m	Grid 8 M4 37.67 dBV/m	Grid 9 M4 37.58 dBV/m



0 dB = 76.47 V/m = 37.67 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 = 45.37 V/m; Power Drift = -0.11 dB

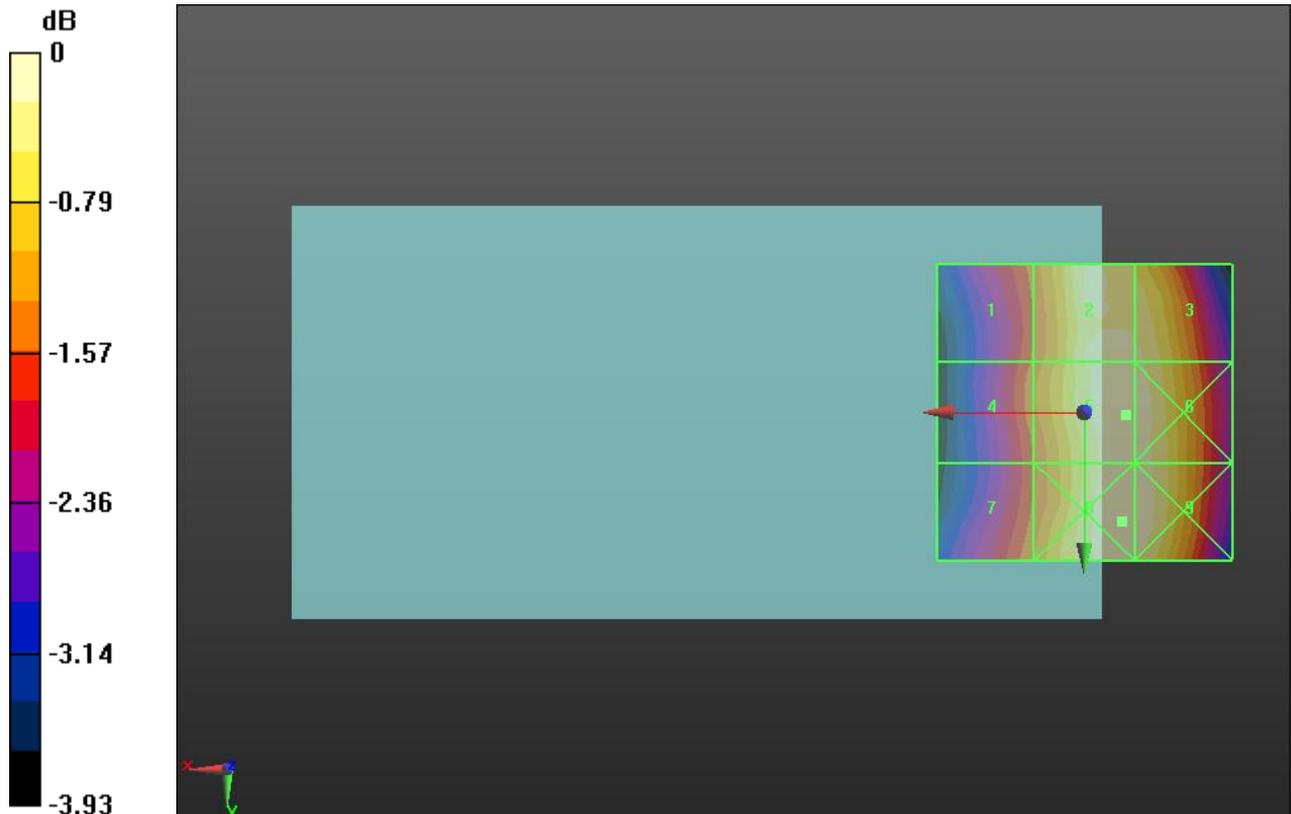
Applied MIF = 3.63 dB

RF audio interference level = 35.05 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 33.68 dBV/m	Grid 2 M4 34.93 dBV/m	Grid 3 M4 34.9 dBV/m
Grid 4 M4 33.74 dBV/m	Grid 5 M4 35.05 dBV/m	Grid 6 M4 35.03 dBV/m
Grid 7 M4 33.8 dBV/m	Grid 8 M4 35.09 dBV/m	Grid 9 M4 35.06 dBV/m



0 dB = 56.82 V/m = 35.09 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 = 15.98 V/m; Power Drift = 0.06 dB

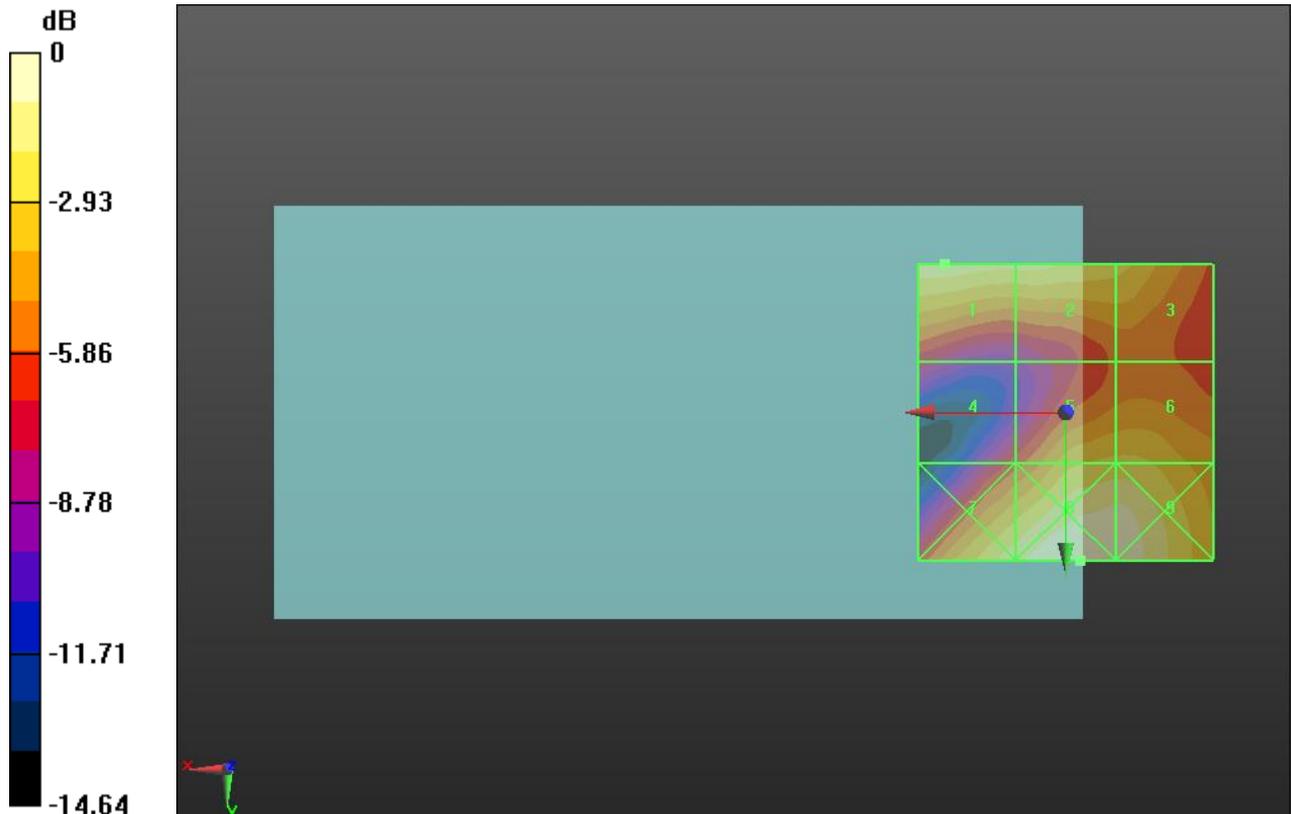
Applied MIF = 3.63 dB

RF audio interference level = 30.68 dBV/m

Emission category: M3

MIF scaled E-field

Grid 1 M3 30.68 dBV/m	Grid 2 M3 30.32 dBV/m	Grid 3 M4 29.37 dBV/m
Grid 4 M4 25.62 dBV/m	Grid 5 M4 29.3 dBV/m	Grid 6 M4 29.32 dBV/m
Grid 7 M3 30.65 dBV/m	Grid 8 M3 31.92 dBV/m	Grid 9 M3 31.74 dBV/m



0 dB = 39.43 V/m = 31.92 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 = 13.31 V/m; Power Drift = 0.01 dB

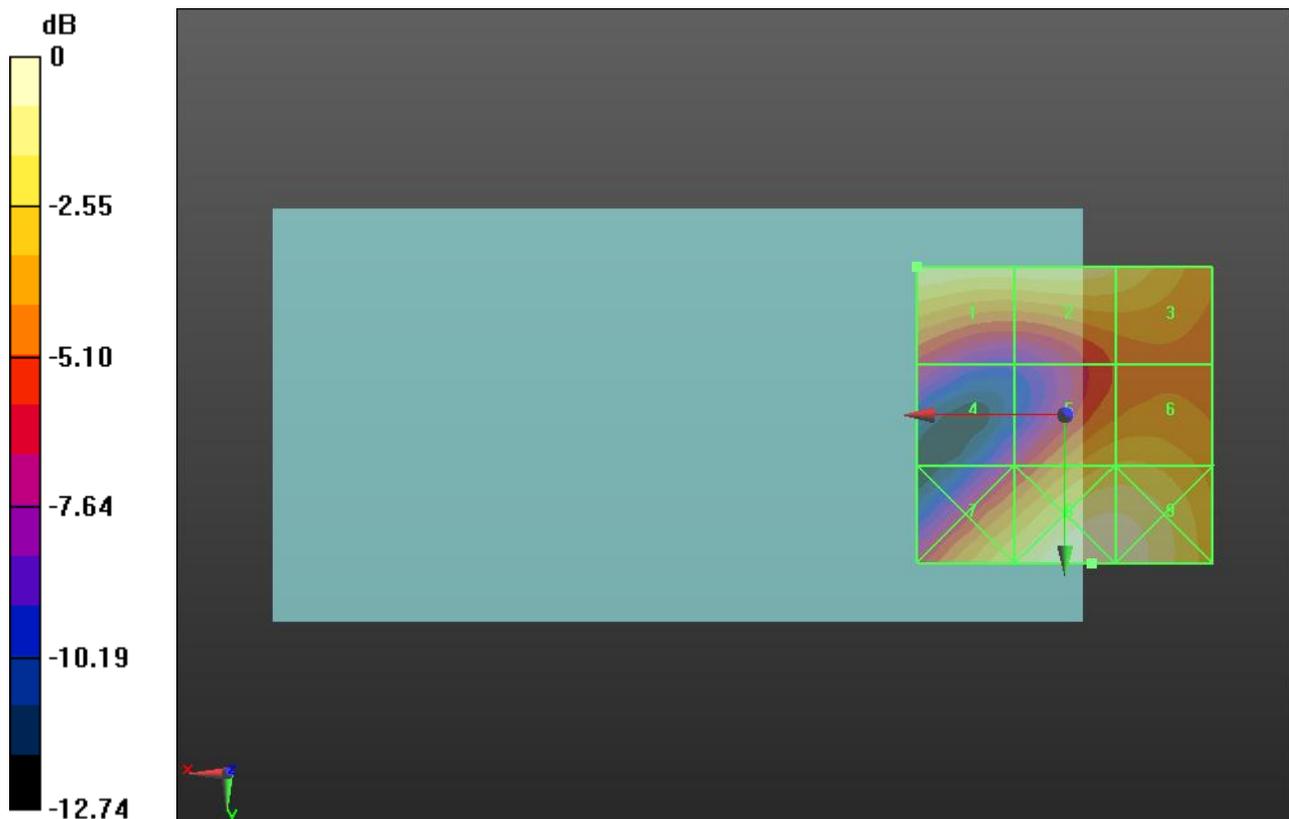
Applied MIF = 3.63 dB

RF audio interference level = 30.37 dBV/m

Emission category: **M3**

MIF scaled E-field

Grid 1 M3 30.37 dBV/m	Grid 2 M3 30.13 dBV/m	Grid 3 M4 29.47 dBV/m
Grid 4 M4 24.79 dBV/m	Grid 5 M4 28.61 dBV/m	Grid 6 M4 28.68 dBV/m
Grid 7 M4 29.55 dBV/m	Grid 8 M3 31.06 dBV/m	Grid 9 M3 30.91 dBV/m



0 dB = 35.72 V/m = 31.06 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 = 17.40 V/m; Power Drift = -0.33 dB

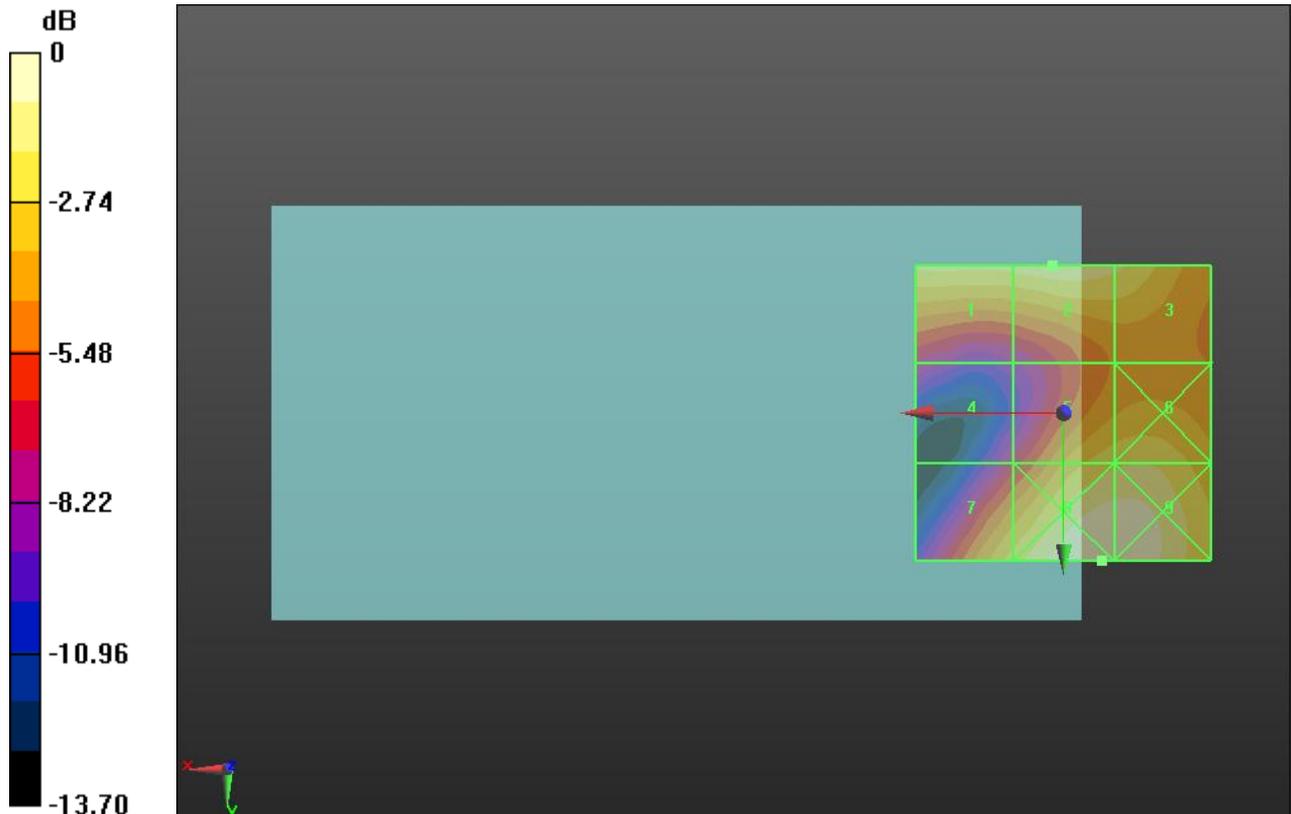
Applied MIF = 3.63 dB

RF audio interference level = 30.87 dBV/m

Emission category: M3

MIF scaled E-field

Grid 1 M3 30.56 dBV/m	Grid 2 M3 30.87 dBV/m	Grid 3 M3 30.43 dBV/m
Grid 4 M4 25.11 dBV/m	Grid 5 M4 29.94 dBV/m	Grid 6 M3 30.14 dBV/m
Grid 7 M4 29.74 dBV/m	Grid 8 M3 31.98 dBV/m	Grid 9 M3 31.94 dBV/m



0 dB = 39.71 V/m = 31.98 dBV/m