

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 = 75.00 V/m; Power Drift = -0.06 dB

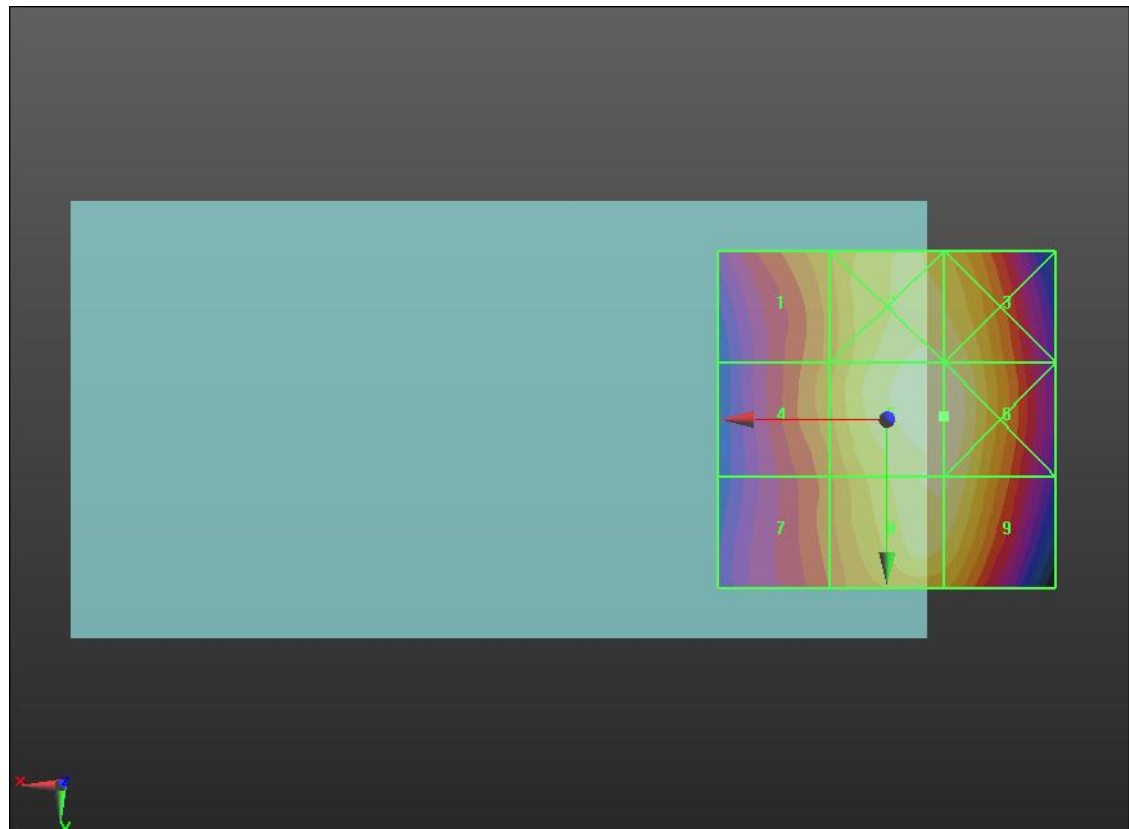
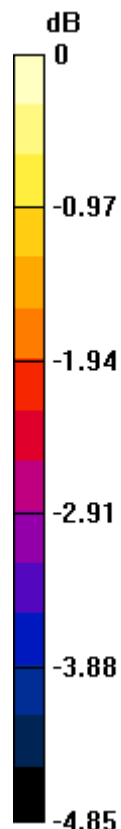
Applied MIF = 3.63 dB

RF audio interference level = 39.15 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 37.86 dBV/m	Grid 2 M4 38.92 dBV/m	Grid 3 M4 38.9 dBV/m
Grid 4 M4 37.83 dBV/m	Grid 5 M4 39.15 dBV/m	Grid 6 M4 39.15 dBV/m
Grid 7 M4 37.45 dBV/m	Grid 8 M4 38.89 dBV/m	Grid 9 M4 38.88 dBV/m



0 dB = 90.63 V/m = 39.15 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 = 79.33 V/m; Power Drift = 0.12 dB

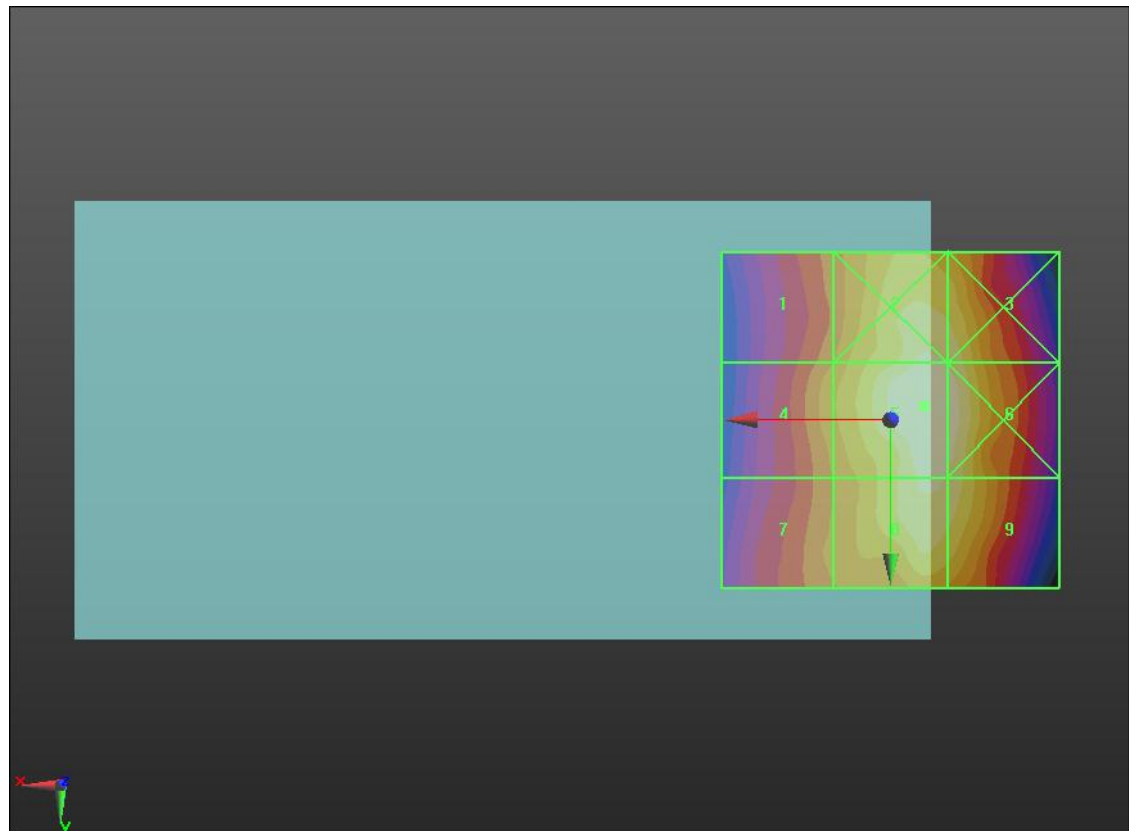
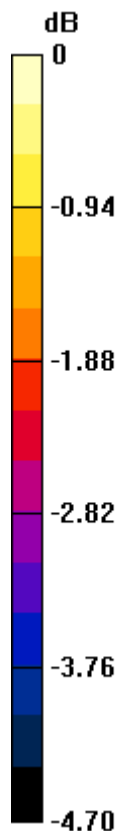
Applied MIF = 3.63 dB

RF audio interference level = 39.70 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 38.15 dBV/m	Grid 2 M4 39.46 dBV/m	Grid 3 M4 39.36 dBV/m
Grid 4 M4 38.4 dBV/m	Grid 5 M4 39.7 dBV/m	Grid 6 M4 39.59 dBV/m
Grid 7 M4 38.24 dBV/m	Grid 8 M4 39.45 dBV/m	Grid 9 M4 39.35 dBV/m



0 dB = 96.58 V/m = 39.70 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 = 74.11 V/m; Power Drift = -0.06 dB

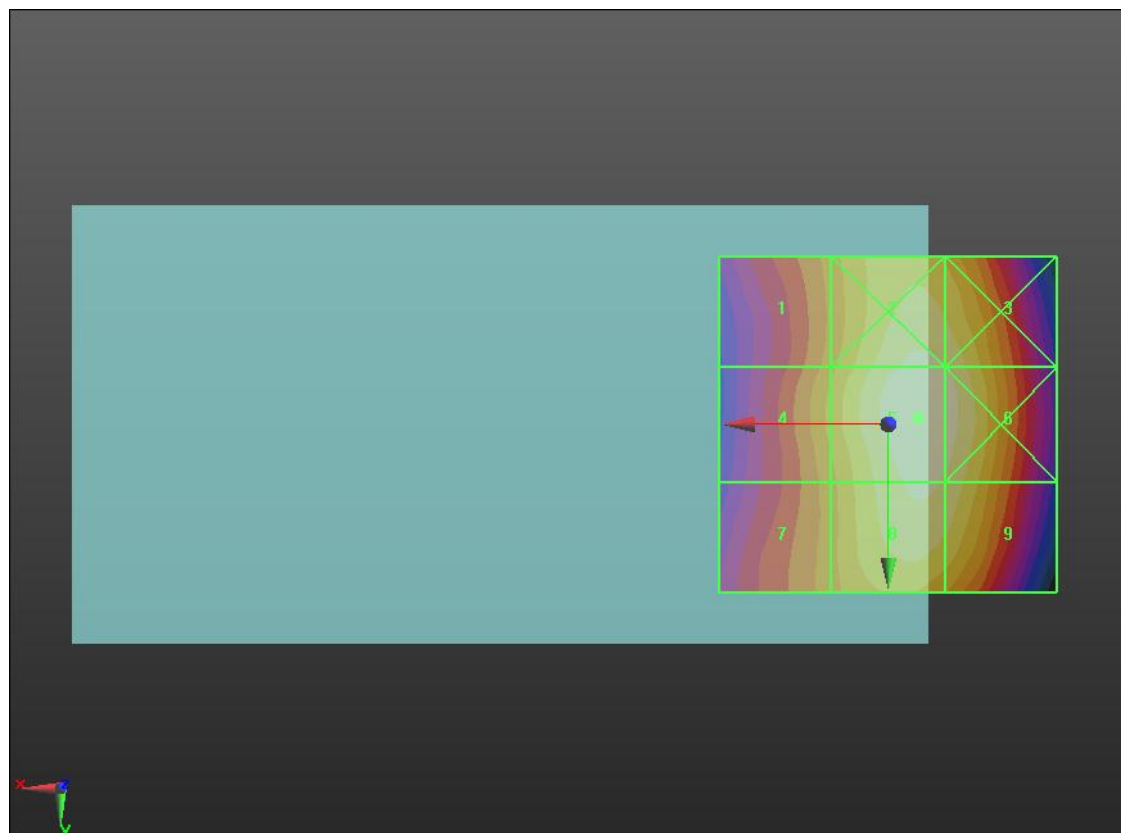
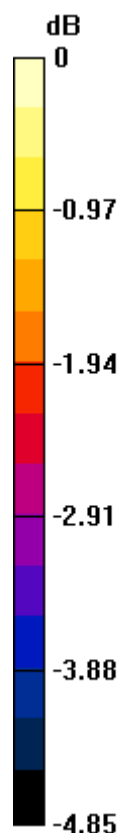
Applied MIF = 3.63 dB

RF audio interference level = 38.79 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 37.4 dBV/m	Grid 2 M4 38.58 dBV/m	Grid 3 M4 38.48 dBV/m
Grid 4 M4 37.61 dBV/m	Grid 5 M4 38.79 dBV/m	Grid 6 M4 38.65 dBV/m
Grid 7 M4 37.4 dBV/m	Grid 8 M4 38.54 dBV/m	Grid 9 M4 38.42 dBV/m



0 dB = 87.00 V/m = 38.79 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 = 11.38 V/m; Power Drift = 0.04 dB

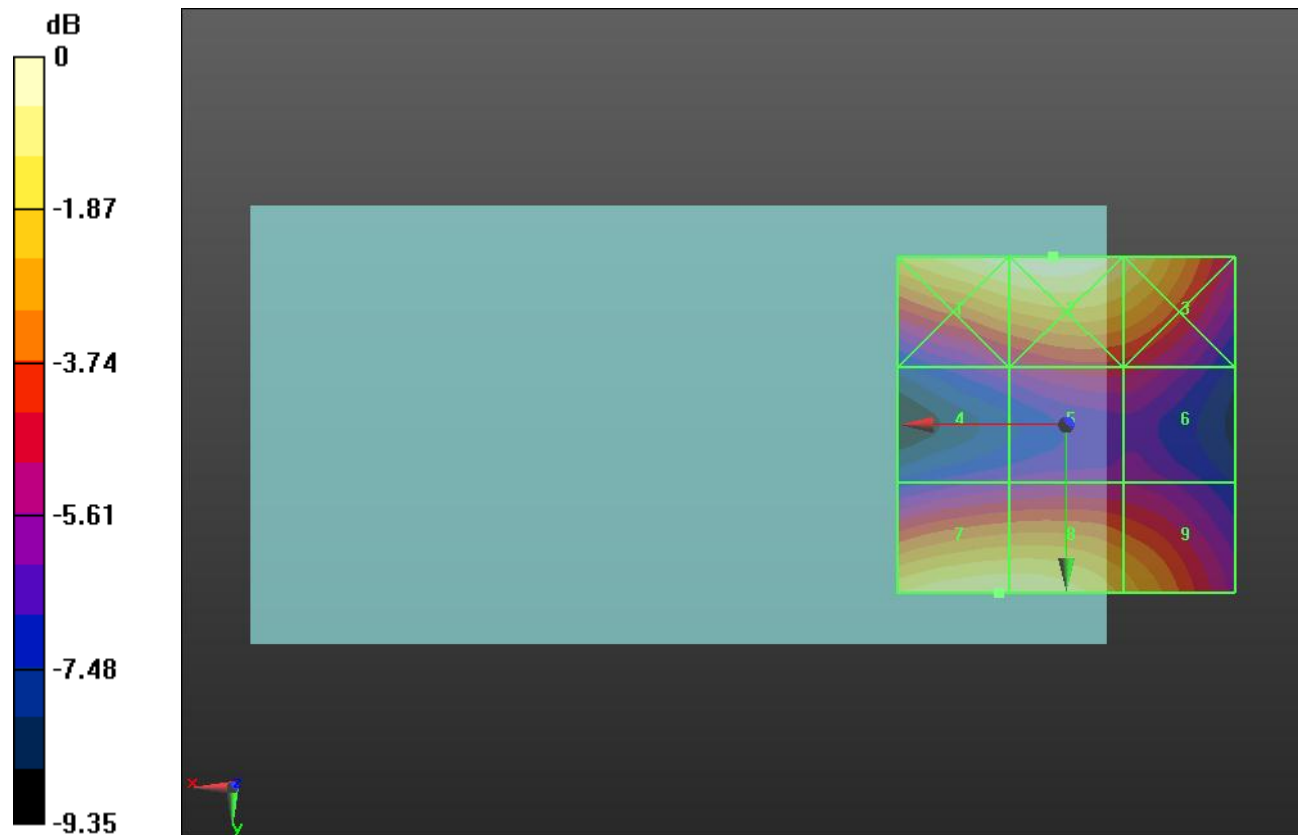
Applied MIF = 3.63 dB

RF audio interference level = 29.42 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 29.78 dBV/m	Grid 2 M4 29.95 dBV/m	Grid 3 M4 29.12 dBV/m
Grid 4 M4 24.48 dBV/m	Grid 5 M4 25.38 dBV/m	Grid 6 M4 25.28 dBV/m
Grid 7 M4 29.42 dBV/m	Grid 8 M4 29.41 dBV/m	Grid 9 M4 27.92 dBV/m



0 dB = 31.46 V/m = 29.96 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 = 12.54 V/m; Power Drift = -0.42 dB

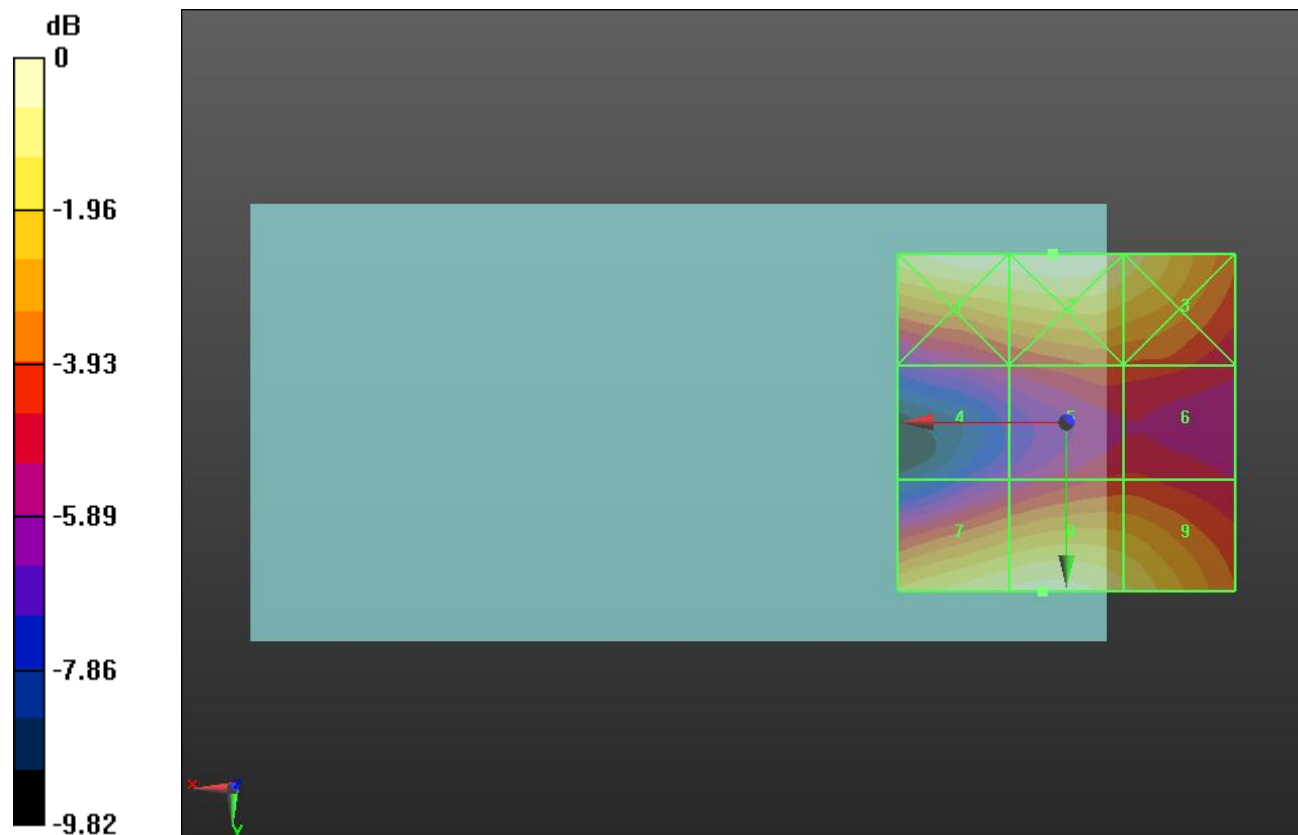
Applied MIF = 3.63 dB

RF audio interference level = 30.32 dBV/m

Emission category: M3

MIF scaled E-field

Grid 1 M3 30.59 dBV/m	Grid 2 M3 30.65 dBV/m	Grid 3 M4 29.87 dBV/m
Grid 4 M4 25.79 dBV/m	Grid 5 M4 26.79 dBV/m	Grid 6 M4 26.67 dBV/m
Grid 7 M3 30.14 dBV/m	Grid 8 M3 30.32 dBV/m	Grid 9 M4 29.53 dBV/m



0 dB = 34.09 V/m = 30.65 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 = 12.73 V/m; Power Drift = -0.76 dB

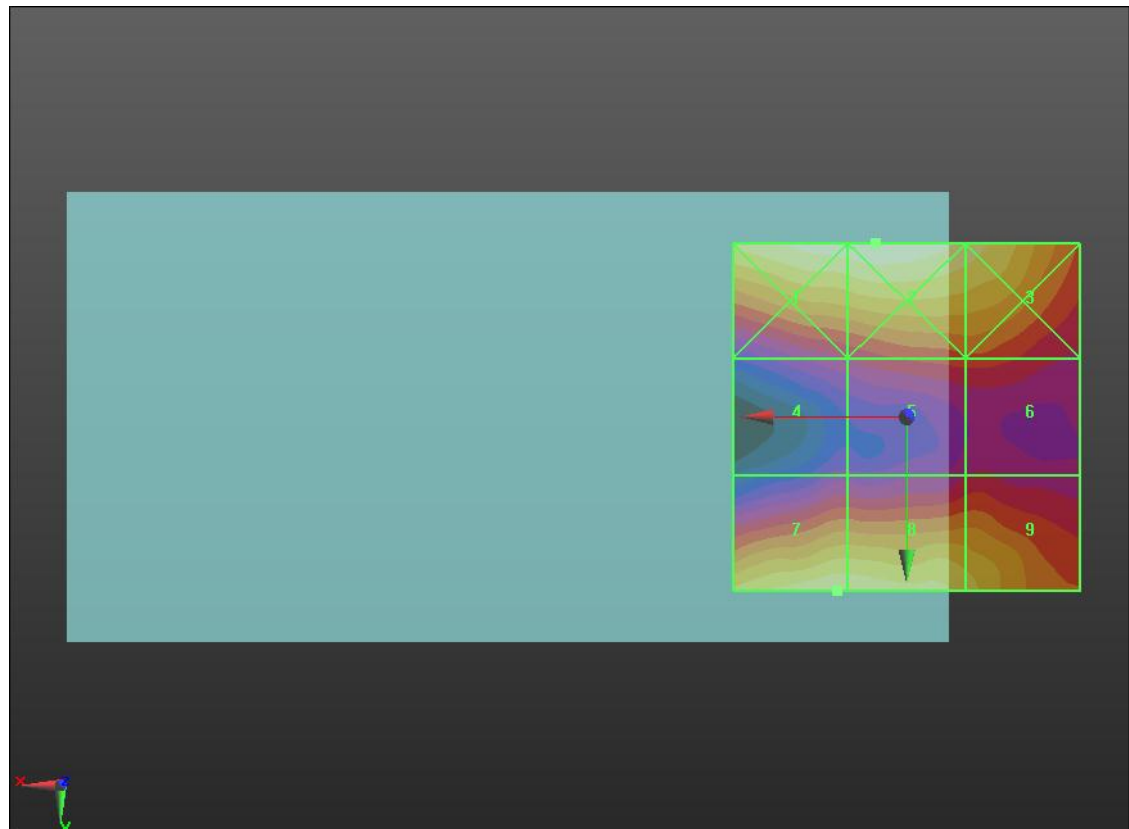
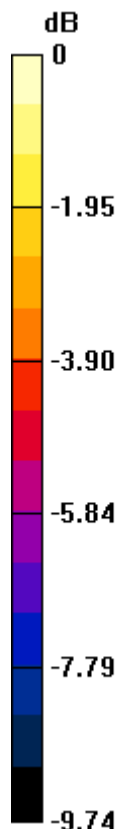
Applied MIF = 3.63 dB

RF audio interference level = 30.27 dBV/m

Emission category: M3

MIF scaled E-field

Grid 1 M3 30.76 dBV/m	Grid 2 M3 30.88 dBV/m	Grid 3 M3 30.01 dBV/m
Grid 4 M4 25.77 dBV/m	Grid 5 M4 26.8 dBV/m	Grid 6 M4 26.83 dBV/m
Grid 7 M3 30.27 dBV/m	Grid 8 M3 30.24 dBV/m	Grid 9 M4 29.26 dBV/m



0 dB = 35.00 V/m = 30.88 dBV/m