

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 = 80.28 V/m; Power Drift = -0.18 dB

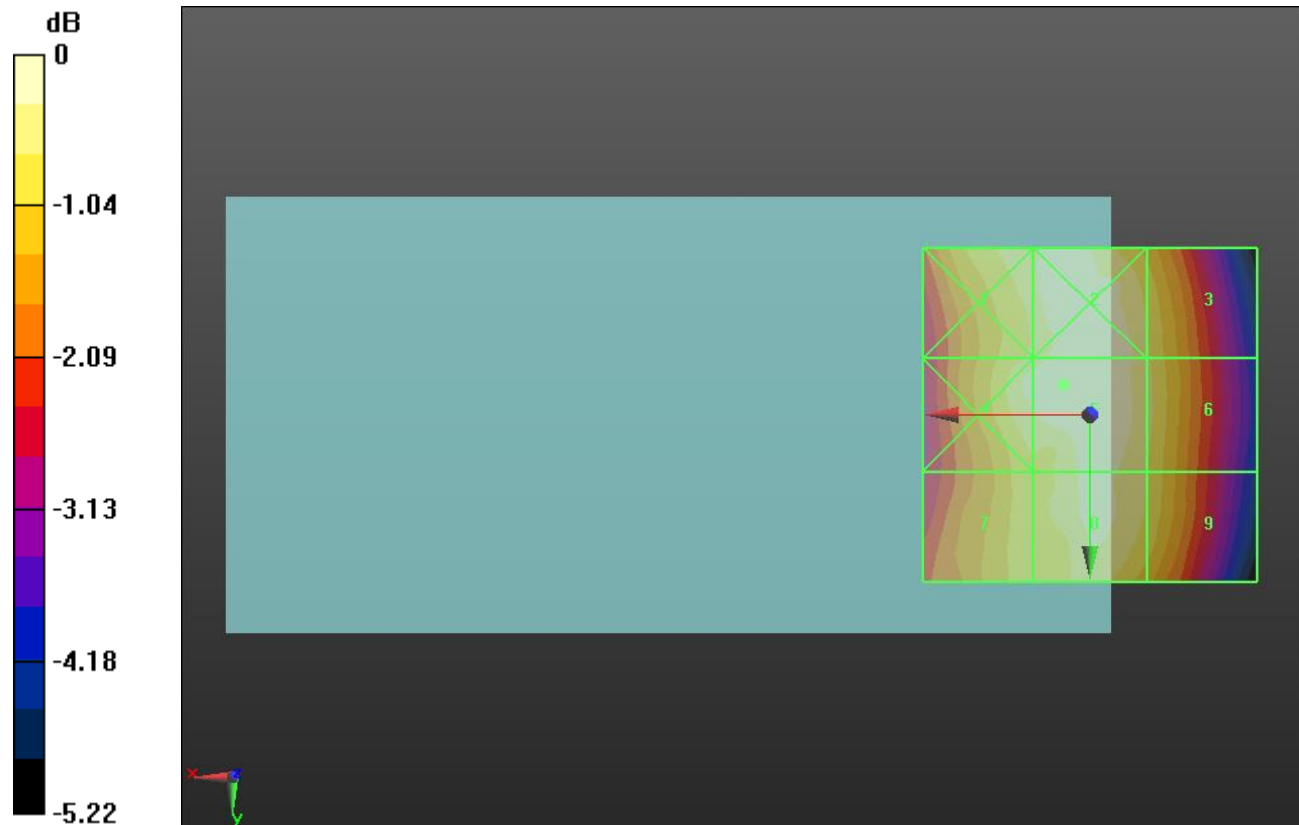
Applied MIF = 3.63 dB

RF audio interference level = 39.25 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 38.85 dBV/m	Grid 2 M4 39.21 dBV/m	Grid 3 M4 38.63 dBV/m
Grid 4 M4 39.04 dBV/m	Grid 5 M4 39.25 dBV/m	Grid 6 M4 38.69 dBV/m
Grid 7 M4 38.5 dBV/m	Grid 8 M4 39.04 dBV/m	Grid 9 M4 38.57 dBV/m



0 dB = 91.76 V/m = 39.25 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 = 78.53 V/m; Power Drift = -0.22 dB

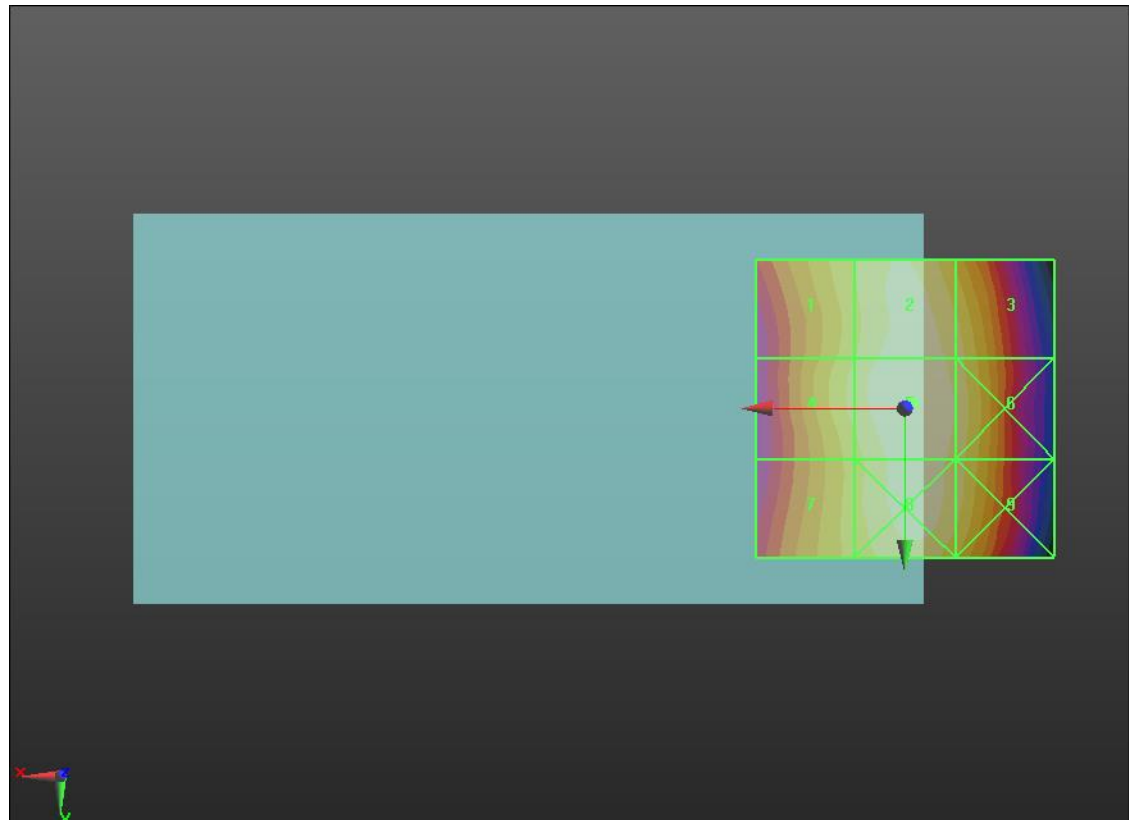
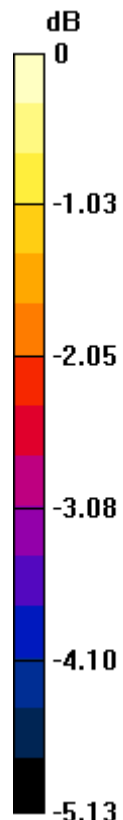
Applied MIF = 3.63 dB

RF audio interference level = 39.19 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 38.51 dBV/m	Grid 2 M4 39.04 dBV/m	Grid 3 M4 38.71 dBV/m
Grid 4 M4 38.66 dBV/m	Grid 5 M4 39.19 dBV/m	Grid 6 M4 38.85 dBV/m
Grid 7 M4 38.38 dBV/m	Grid 8 M4 39.07 dBV/m	Grid 9 M4 38.73 dBV/m



0 dB = 91.14 V/m = 39.19 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 = 76.22 V/m; Power Drift = -0.24 dB

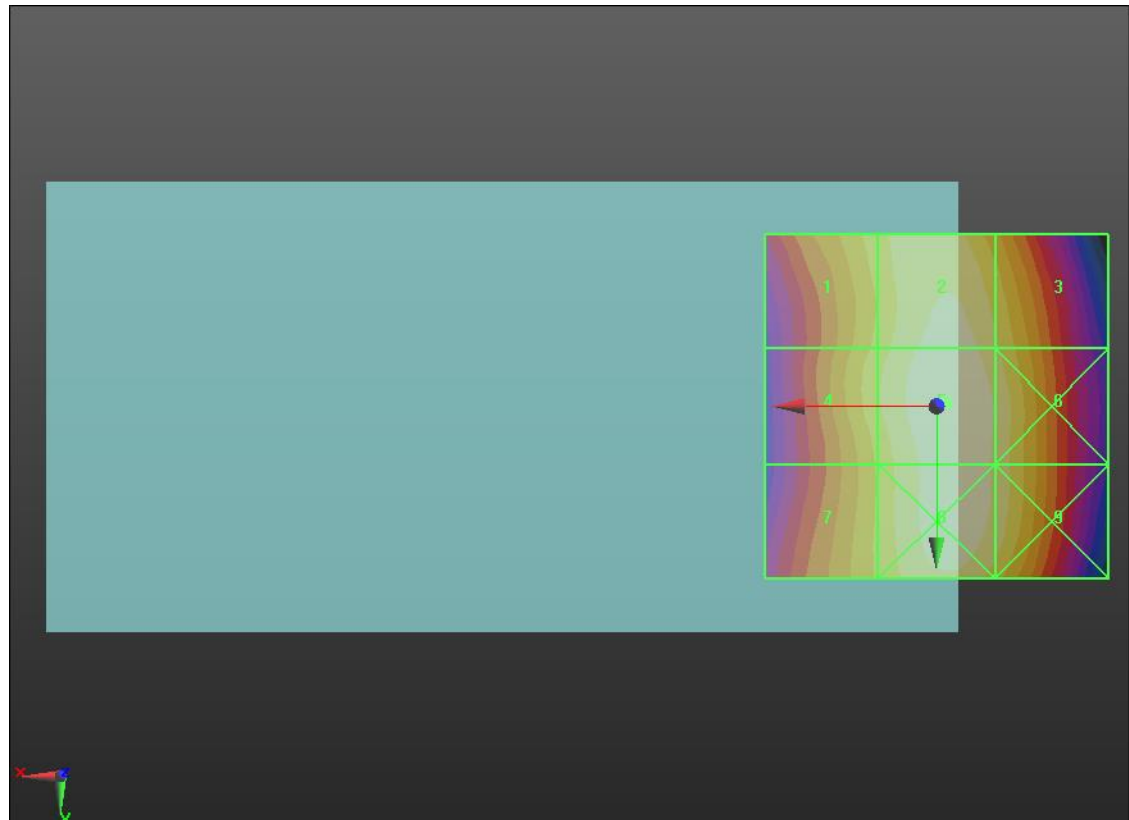
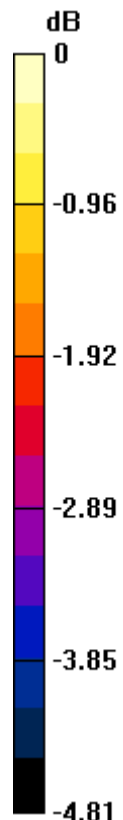
Applied MIF = 3.63 dB

RF audio interference level = 38.77 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 38.01 dBV/m	Grid 2 M4 38.61 dBV/m	Grid 3 M4 38.21 dBV/m
Grid 4 M4 38.1 dBV/m	Grid 5 M4 38.77 dBV/m	Grid 6 M4 38.44 dBV/m
Grid 7 M4 37.89 dBV/m	Grid 8 M4 38.69 dBV/m	Grid 9 M4 38.4 dBV/m



0 dB = 86.84 V/m = 38.77 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 = 24.78 V/m; Power Drift = -0.02 dB

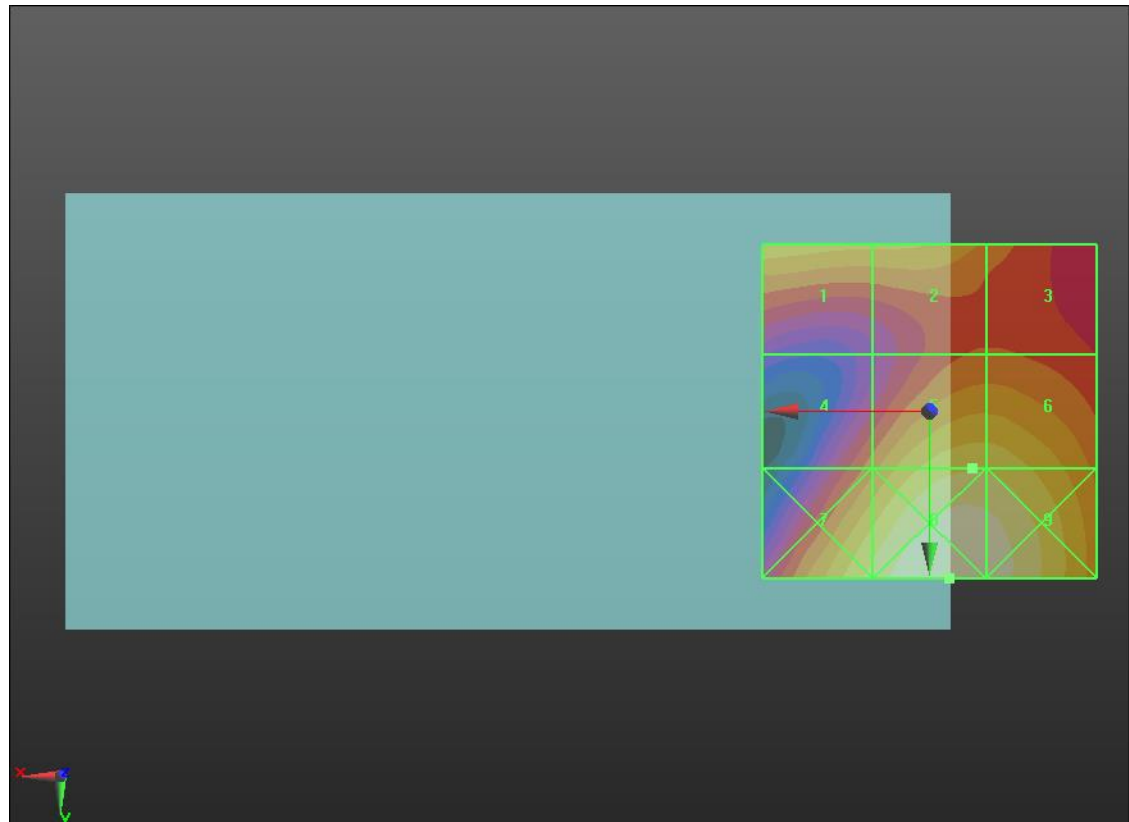
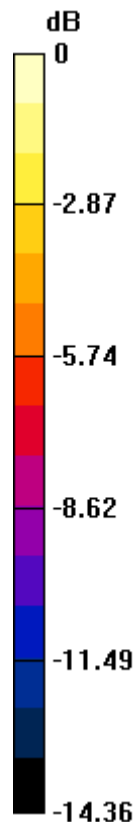
Applied MIF = 3.63 dB

RF audio interference level = 31.86 dBV/m

Emission category: M3

MIF scaled E-field

Grid 1 M3 30.86 dBV/m	Grid 2 M3 30.3 dBV/m	Grid 3 M4 28.88 dBV/m
Grid 4 M4 28.8 dBV/m	Grid 5 M3 31.86 dBV/m	Grid 6 M3 31.81 dBV/m
Grid 7 M3 32.36 dBV/m	Grid 8 M3 33.86 dBV/m	Grid 9 M3 33.54 dBV/m



0 dB = 49.33 V/m = 33.86 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 = 25.49 V/m; Power Drift = -0.01 dB

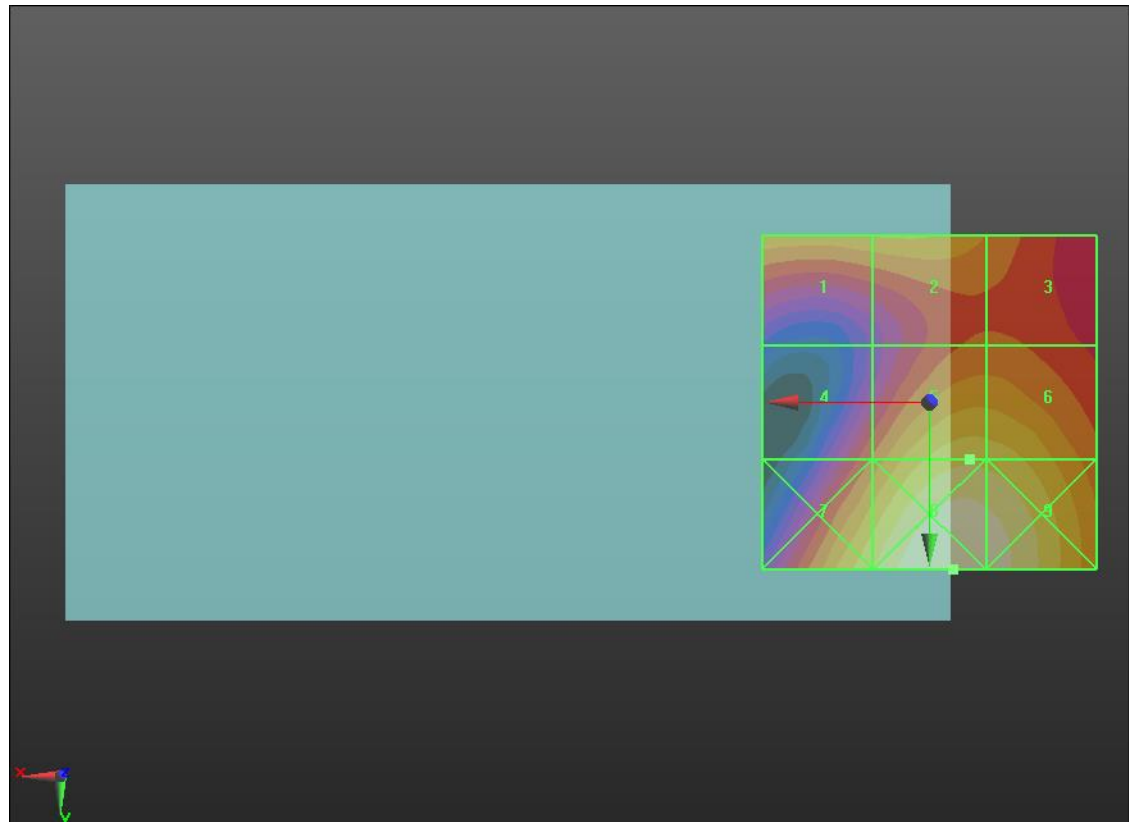
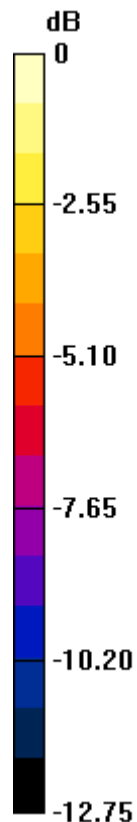
Applied MIF = 3.63 dB

RF audio interference level = 31.80 dBV/m

Emission category: M3

MIF scaled E-field

Grid 1 M3 30.3 dBV/m	Grid 2 M3 30.41 dBV/m	Grid 3 M4 29.41 dBV/m
Grid 4 M4 28.76 dBV/m	Grid 5 M3 31.8 dBV/m	Grid 6 M3 31.71 dBV/m
Grid 7 M3 32 dBV/m	Grid 8 M3 33.66 dBV/m	Grid 9 M3 33.34 dBV/m



0 dB = 48.20 V/m = 33.66 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 = 22.25 V/m; Power Drift = -0.00 dB

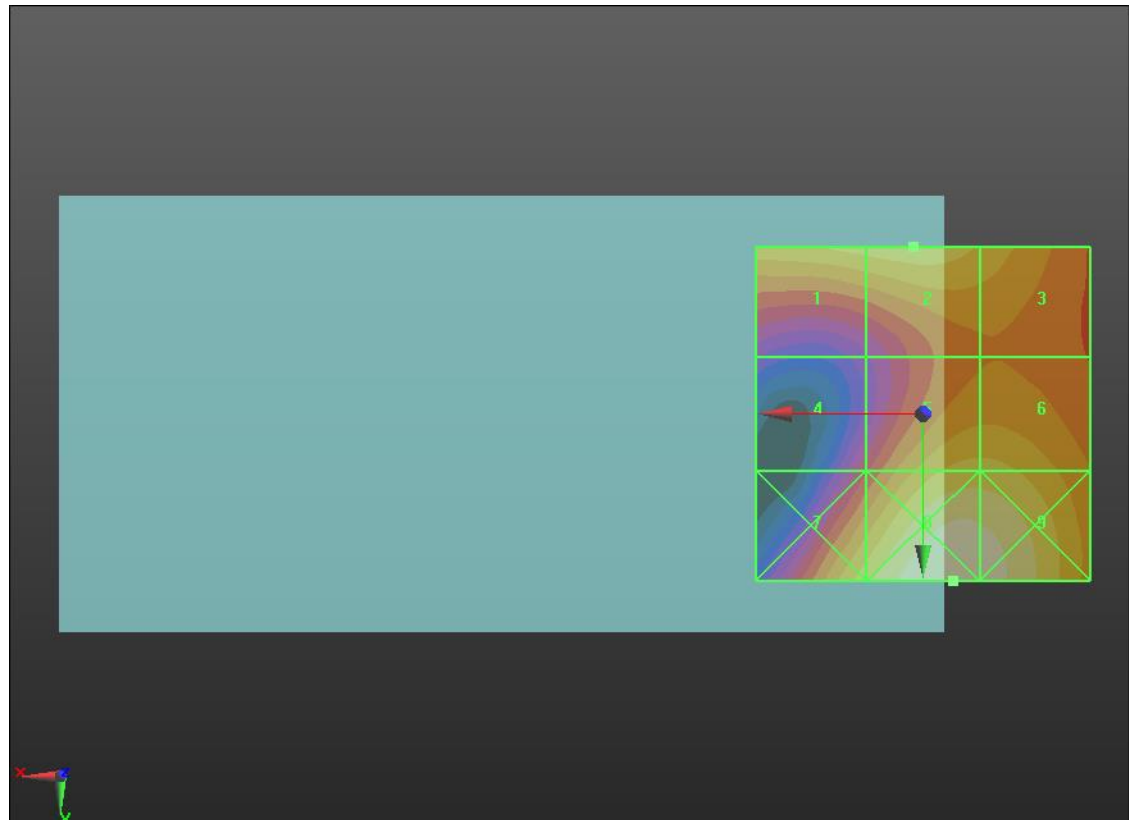
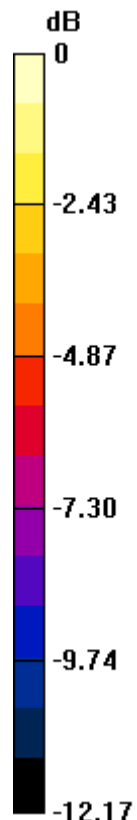
Applied MIF = 3.63 dB

RF audio interference level = 31.22 dBV/m

Emission category: M3

MIF scaled E-field

Grid 1 M3 30.96 dBV/m	Grid 2 M3 31.22 dBV/m	Grid 3 M3 30.46 dBV/m
Grid 4 M4 27.22 dBV/m	Grid 5 M3 30.91 dBV/m	Grid 6 M3 30.91 dBV/m
Grid 7 M3 31.14 dBV/m	Grid 8 M3 32.99 dBV/m	Grid 9 M3 32.73 dBV/m



0 dB = 44.61 V/m = 32.99 dBV/m