

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 = 61.37 V/m; Power Drift = 0.03 dB

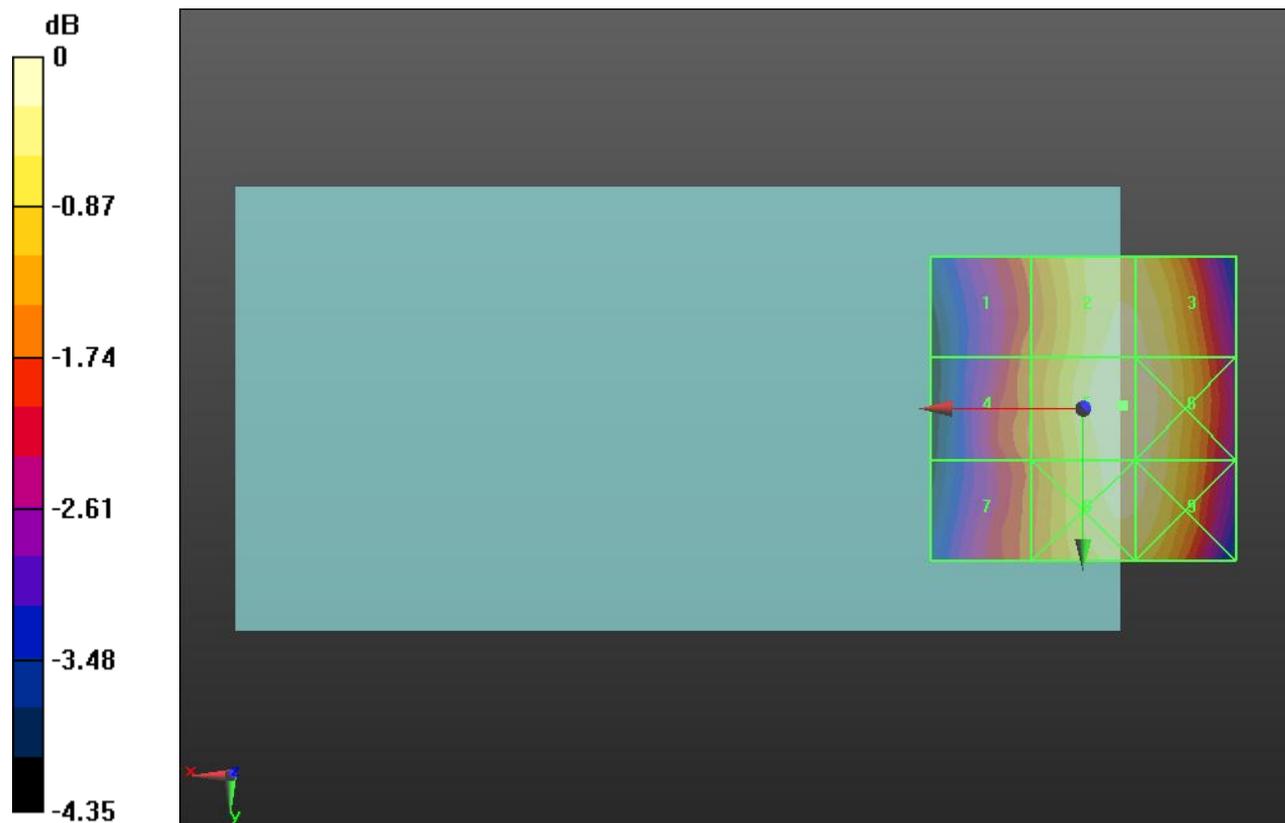
Applied MIF = 3.63 dB

RF audio interference level = 37.72 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 36.24 dBV/m	Grid 2 M4 37.58 dBV/m	Grid 3 M4 37.56 dBV/m
Grid 4 M4 36.36 dBV/m	Grid 5 M4 37.72 dBV/m	Grid 6 M4 37.7 dBV/m
Grid 7 M4 36.21 dBV/m	Grid 8 M4 37.59 dBV/m	Grid 9 M4 37.58 dBV/m



0 dB = 76.94 V/m = 37.72 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 = 61.78 V/m; Power Drift = -0.06 dB

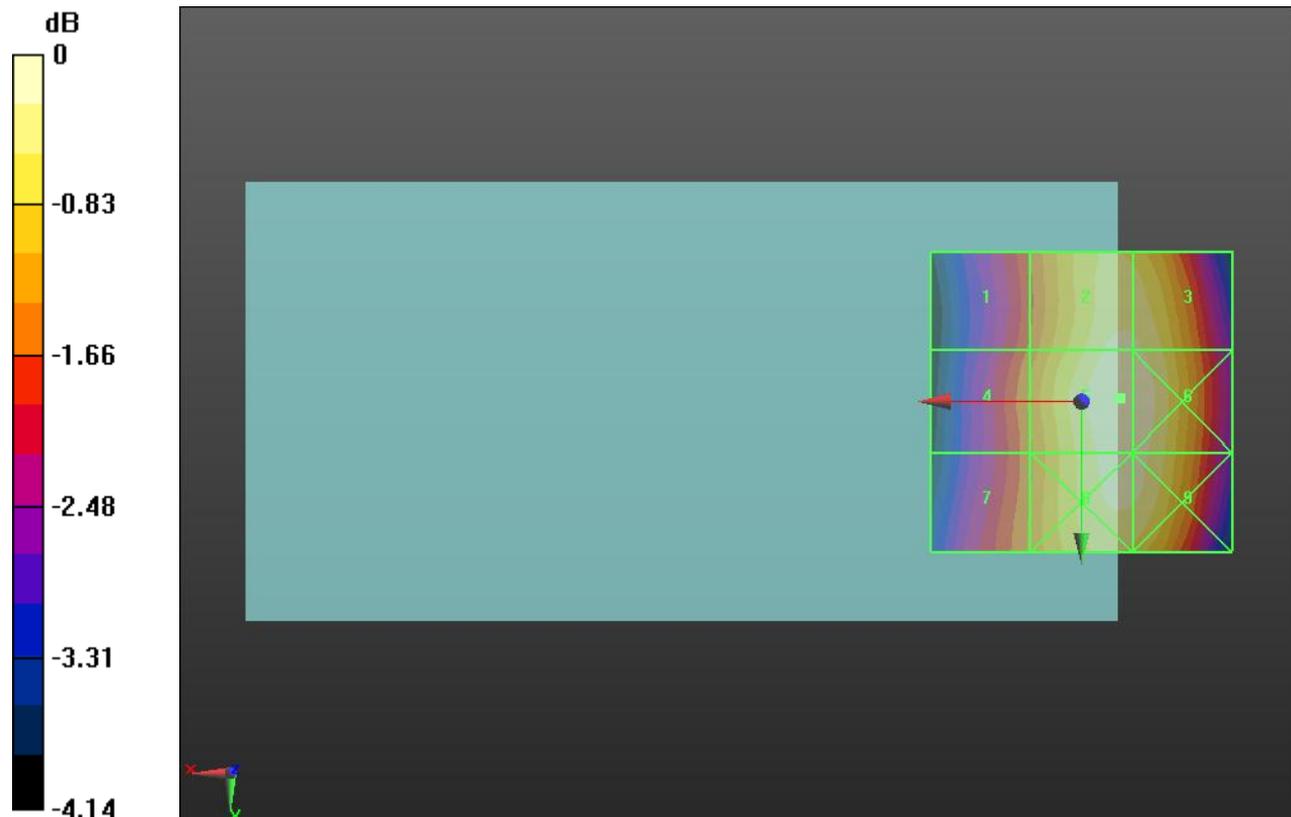
Applied MIF = 3.63 dB

RF audio interference level = 37.74 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 36.18 dBV/m	Grid 2 M4 37.56 dBV/m	Grid 3 M4 37.55 dBV/m
Grid 4 M4 36.43 dBV/m	Grid 5 M4 37.74 dBV/m	Grid 6 M4 37.71 dBV/m
Grid 7 M4 36.42 dBV/m	Grid 8 M4 37.62 dBV/m	Grid 9 M4 37.61 dBV/m



0 dB = 77.07 V/m = 37.74 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 = 63.47 V/m; Power Drift = 0.01 dB

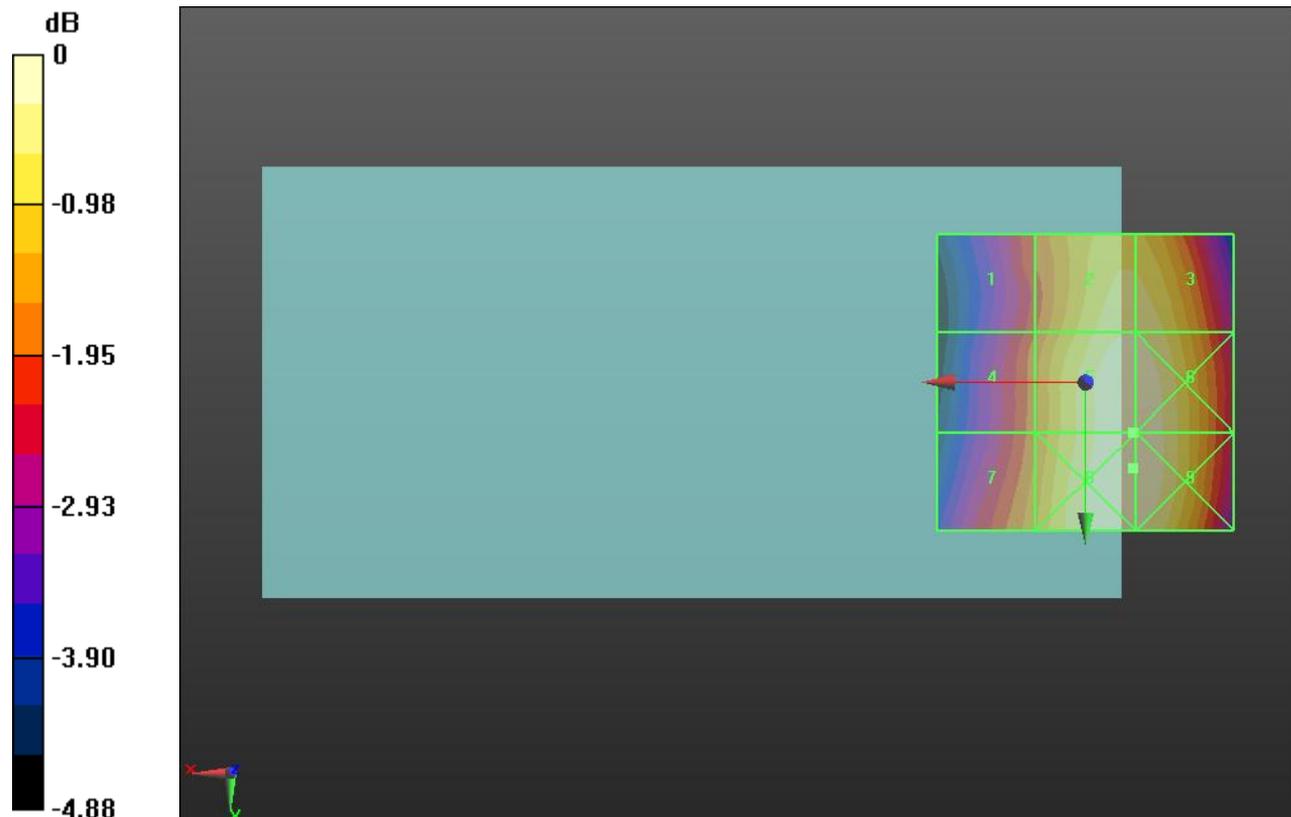
Applied MIF = 3.63 dB

RF audio interference level = 38.11 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 36.23 dBV/m	Grid 2 M4 37.81 dBV/m	Grid 3 M4 37.81 dBV/m
Grid 4 M4 36.46 dBV/m	Grid 5 M4 38.11 dBV/m	Grid 6 M4 38.11 dBV/m
Grid 7 M4 36.81 dBV/m	Grid 8 M4 38.14 dBV/m	Grid 9 M4 38.14 dBV/m



0 dB = 80.75 V/m = 38.14 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: TCoil 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 = 9.843 V/m; Power Drift = 0.21 dB

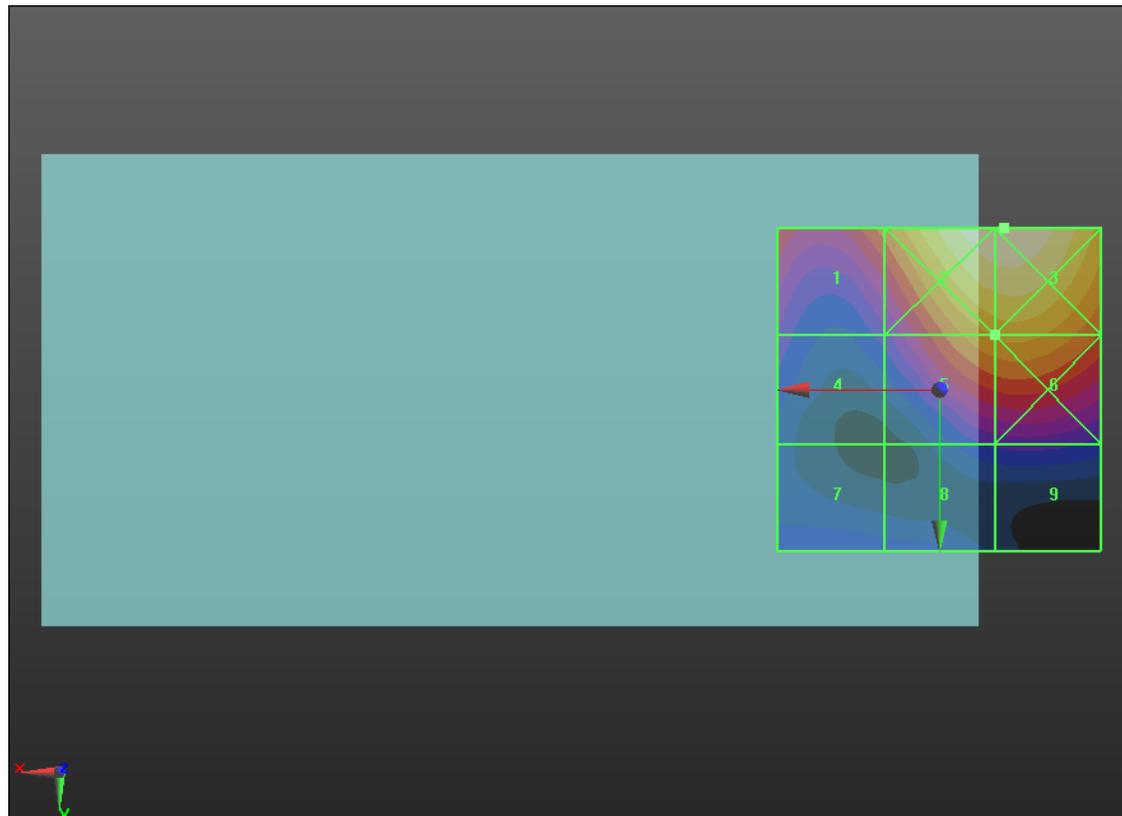
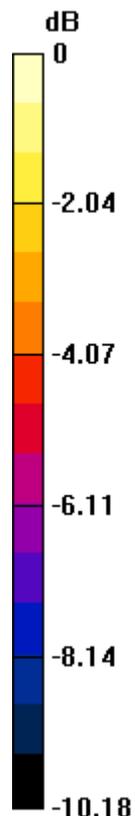
Applied MIF = 3.63 dB

RF audio interference level = 26.09 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 25.05 dBV/m	Grid 2 M4 28.66 dBV/m	Grid 3 M4 28.7 dBV/m
Grid 4 M4 21.92 dBV/m	Grid 5 M4 26.09 dBV/m	Grid 6 M4 26.25 dBV/m
Grid 7 M4 21.26 dBV/m	Grid 8 M4 21.38 dBV/m	Grid 9 M4 21.56 dBV/m



0 dB = 27.22 V/m = 28.70 dBV/m

HAC-RF Emission

Communication System: UID 10021 - CAA, GSM-FDD (TDMA, GMSK); Frequency: 1880 MHz; Duty Cycle: 1:8.6896

Phantom section: TCoil 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 = 10.81 V/m; Power Drift = 0.27 dB

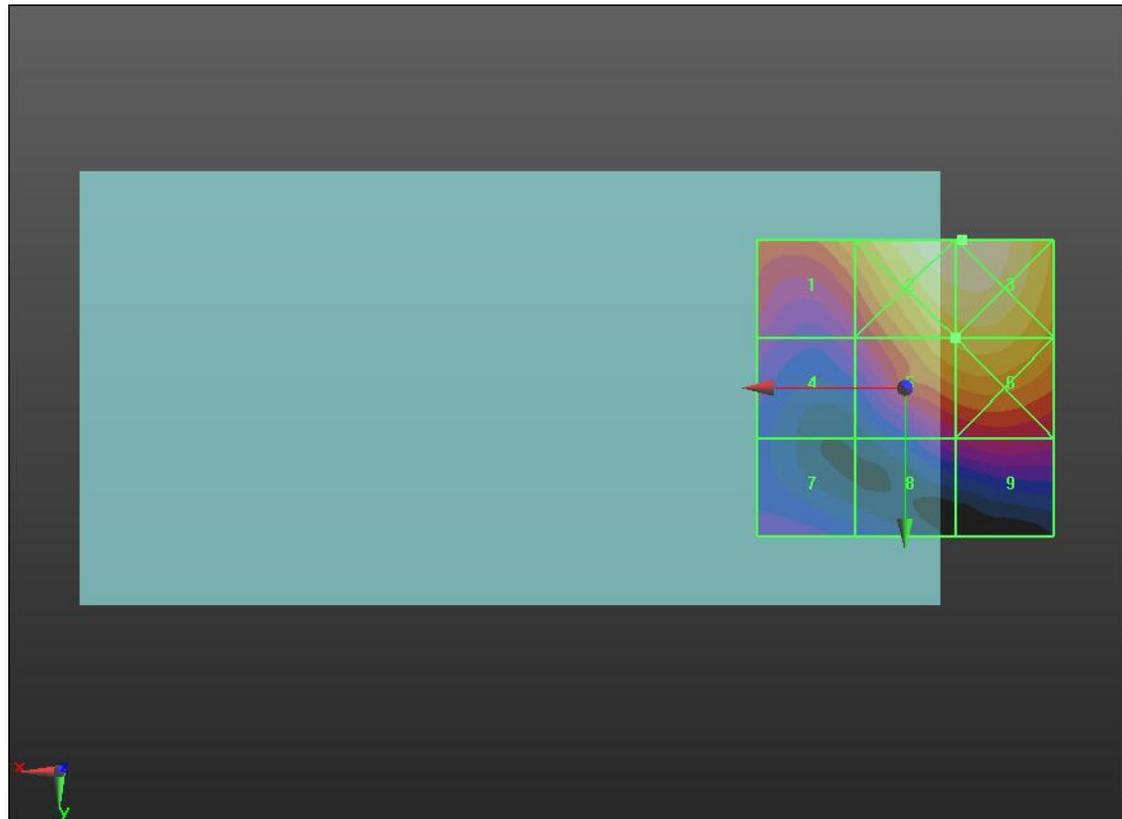
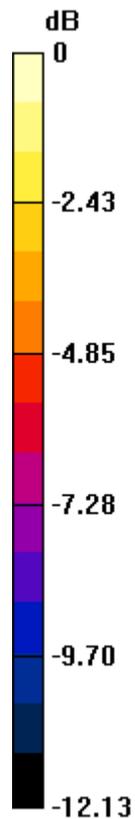
Applied MIF = 3.63 dB

RF audio interference level = 27.17 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 26.11 dBV/m	Grid 2 M4 29.31 dBV/m	Grid 3 M4 29.33 dBV/m
Grid 4 M4 22.29 dBV/m	Grid 5 M4 27.17 dBV/m	Grid 6 M4 27.43 dBV/m
Grid 7 M4 21.24 dBV/m	Grid 8 M4 22.3 dBV/m	Grid 9 M4 23.1 dBV/m



0 dB = 29.26 V/m = 29.33 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: TCoil 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 = 13.30 V/m; Power Drift = 0.05 dB

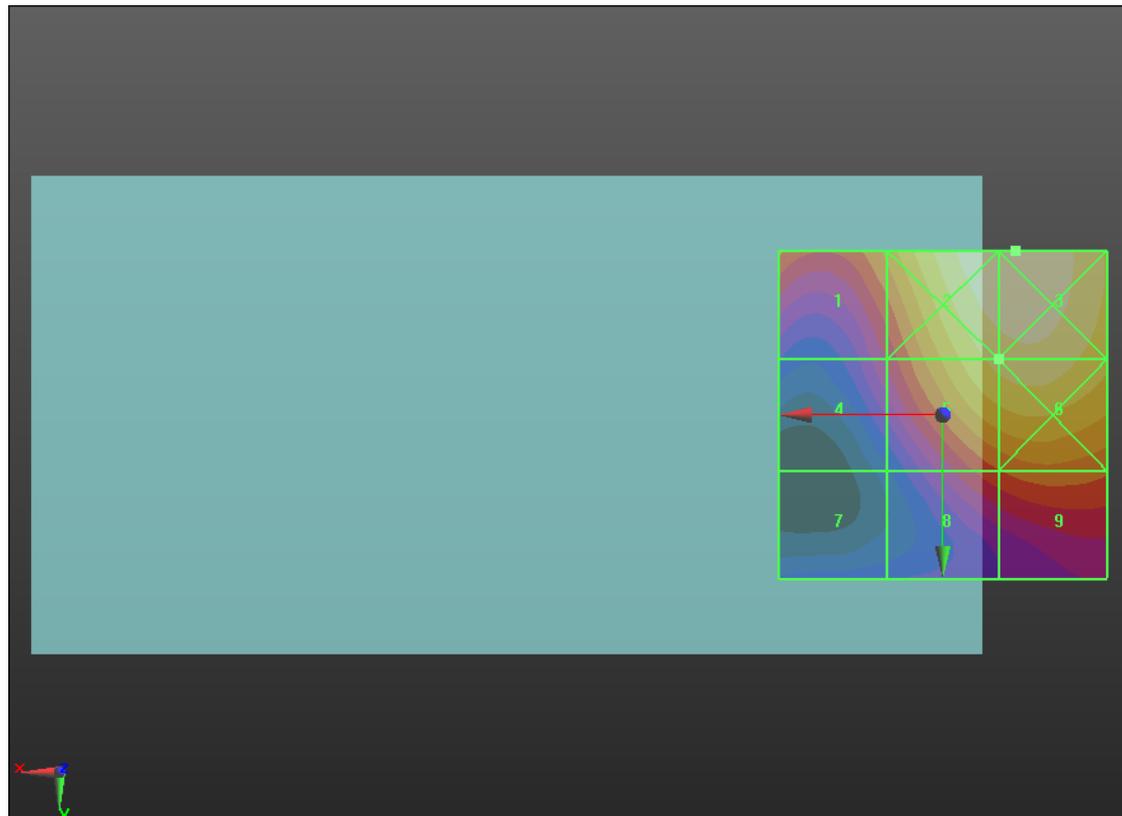
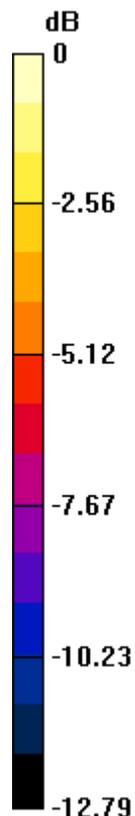
Applied MIF = 3.63 dB

RF audio interference level = 28.21 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 25.66 dBV/m	Grid 2 M4 29.56 dBV/m	Grid 3 M4 29.62 dBV/m
Grid 4 M4 22.99 dBV/m	Grid 5 M4 28.21 dBV/m	Grid 6 M4 28.49 dBV/m
Grid 7 M4 20.2 dBV/m	Grid 8 M4 24.47 dBV/m	Grid 9 M4 25.12 dBV/m



0 dB = 30.27 V/m = 29.62 dBV/m