

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 Sn1259; Calibrated: 1/14/2015
- 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 = 54.37 V/m; Power Drift = 0.06 dB

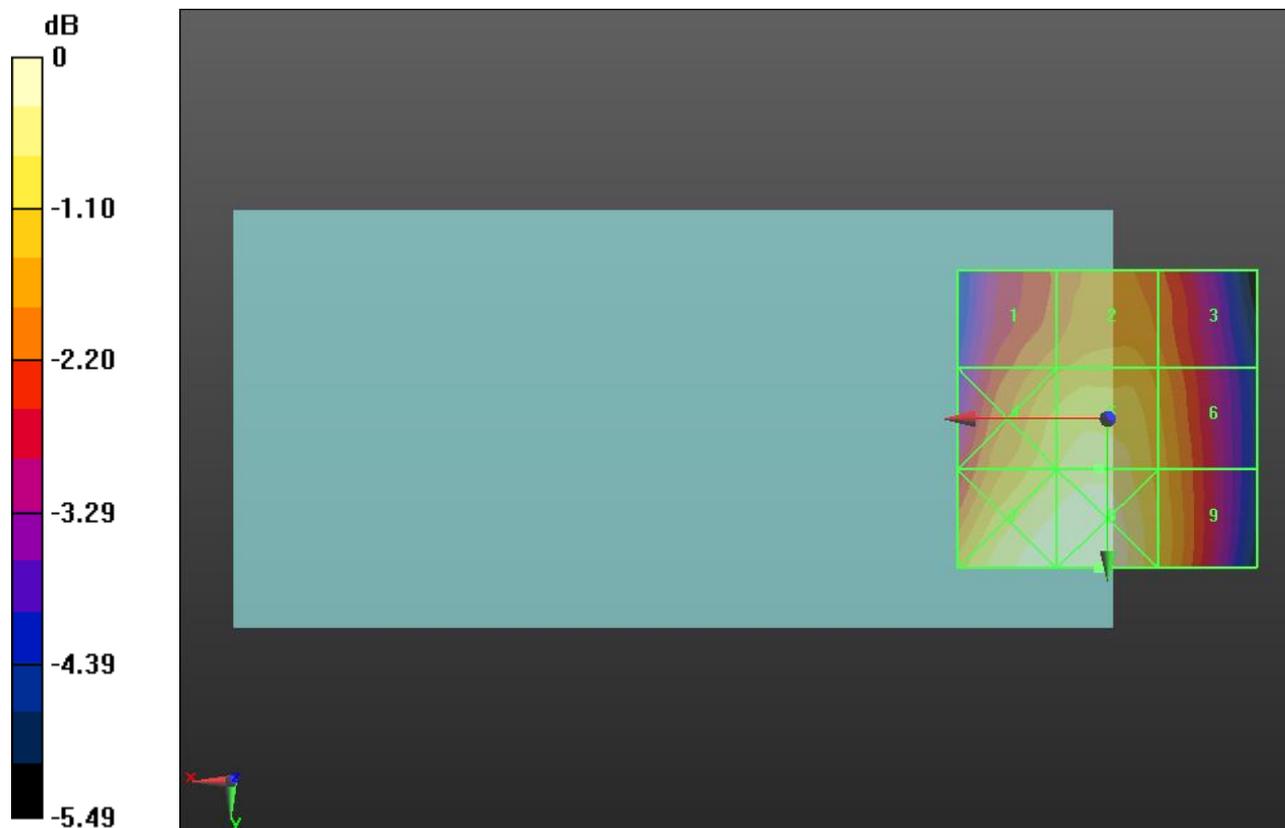
Applied MIF = 3.63 dB

RF audio interference level = 36.92 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 35.83 dBV/m	Grid 2 M4 36.12 dBV/m	Grid 3 M4 35.74 dBV/m
Grid 4 M4 36.65 dBV/m	Grid 5 M4 36.92 dBV/m	Grid 6 M4 36.15 dBV/m
Grid 7 M4 37.34 dBV/m	Grid 8 M4 37.38 dBV/m	Grid 9 M4 36.34 dBV/m



0 dB = 73.99 V/m = 37.38 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 Sn1259; Calibrated: 1/14/2015
- 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 = 48.31 V/m; Power Drift = -0.31 dB

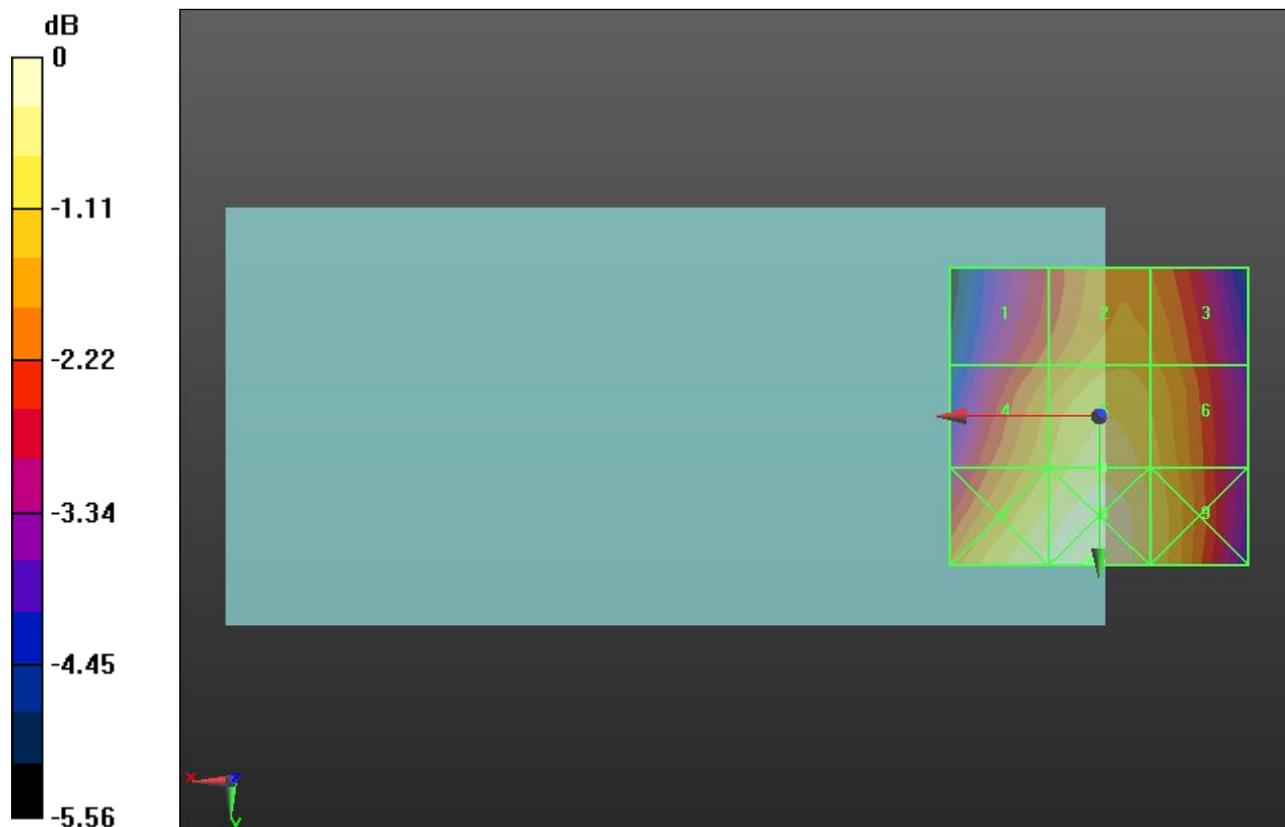
Applied MIF = 3.63 dB

RF audio interference level = 35.42 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 33.96 dBV/m	Grid 2 M4 34.77 dBV/m	Grid 3 M4 34.56 dBV/m
Grid 4 M4 34.84 dBV/m	Grid 5 M4 35.42 dBV/m	Grid 6 M4 35.02 dBV/m
Grid 7 M4 35.66 dBV/m	Grid 8 M4 35.91 dBV/m	Grid 9 M4 35.23 dBV/m



0 dB = 62.42 V/m = 35.91 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 Sn1259; Calibrated: 1/14/2015
- 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 = 48.24 V/m; Power Drift = -0.16 dB

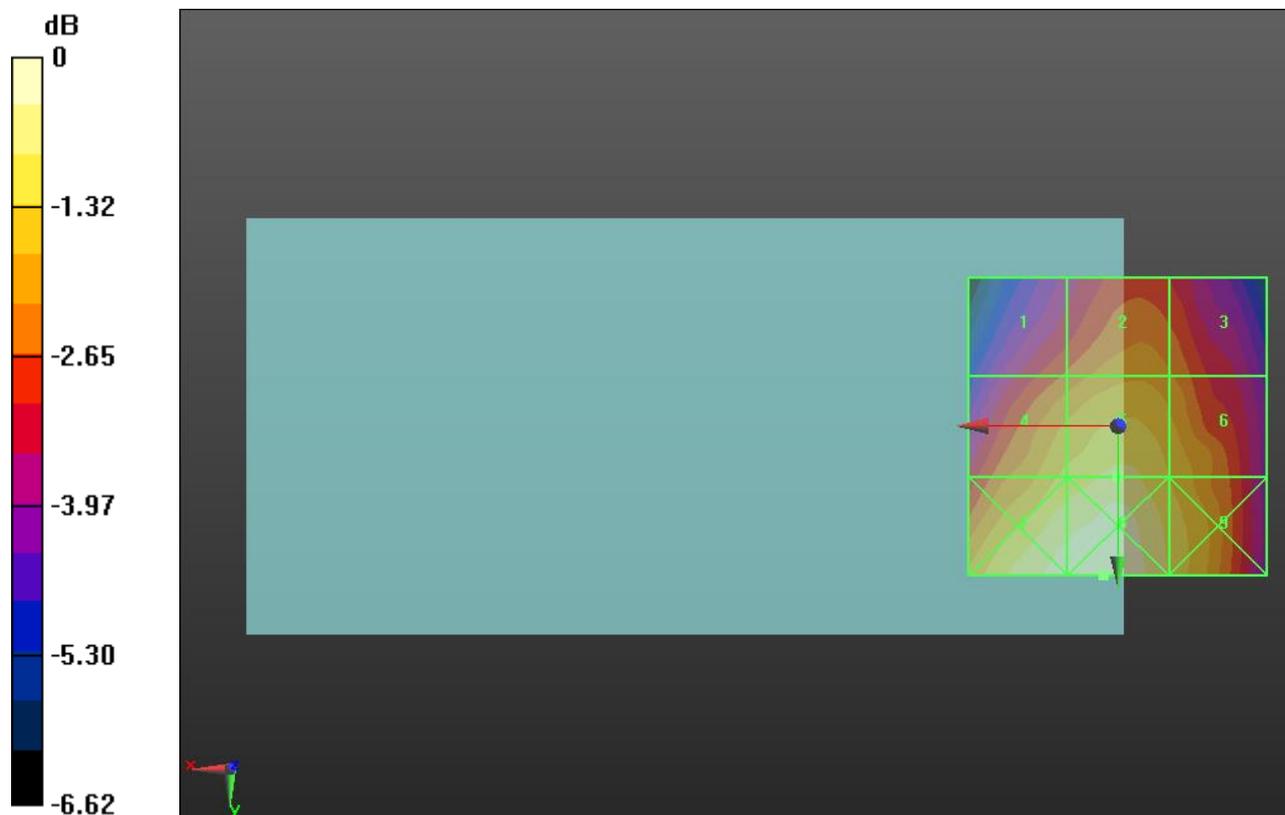
Applied MIF = 3.63 dB

RF audio interference level = 35.87 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 34.05 dBV/m	Grid 2 M4 34.77 dBV/m	Grid 3 M4 34.47 dBV/m
Grid 4 M4 35.41 dBV/m	Grid 5 M4 35.87 dBV/m	Grid 6 M4 35.28 dBV/m
Grid 7 M4 36.39 dBV/m	Grid 8 M4 36.59 dBV/m	Grid 9 M4 35.67 dBV/m



0 dB = 67.52 V/m = 36.59 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 Sn1259; Calibrated: 1/14/2015
- 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 = 17.67 V/m; Power Drift = -0.11 dB

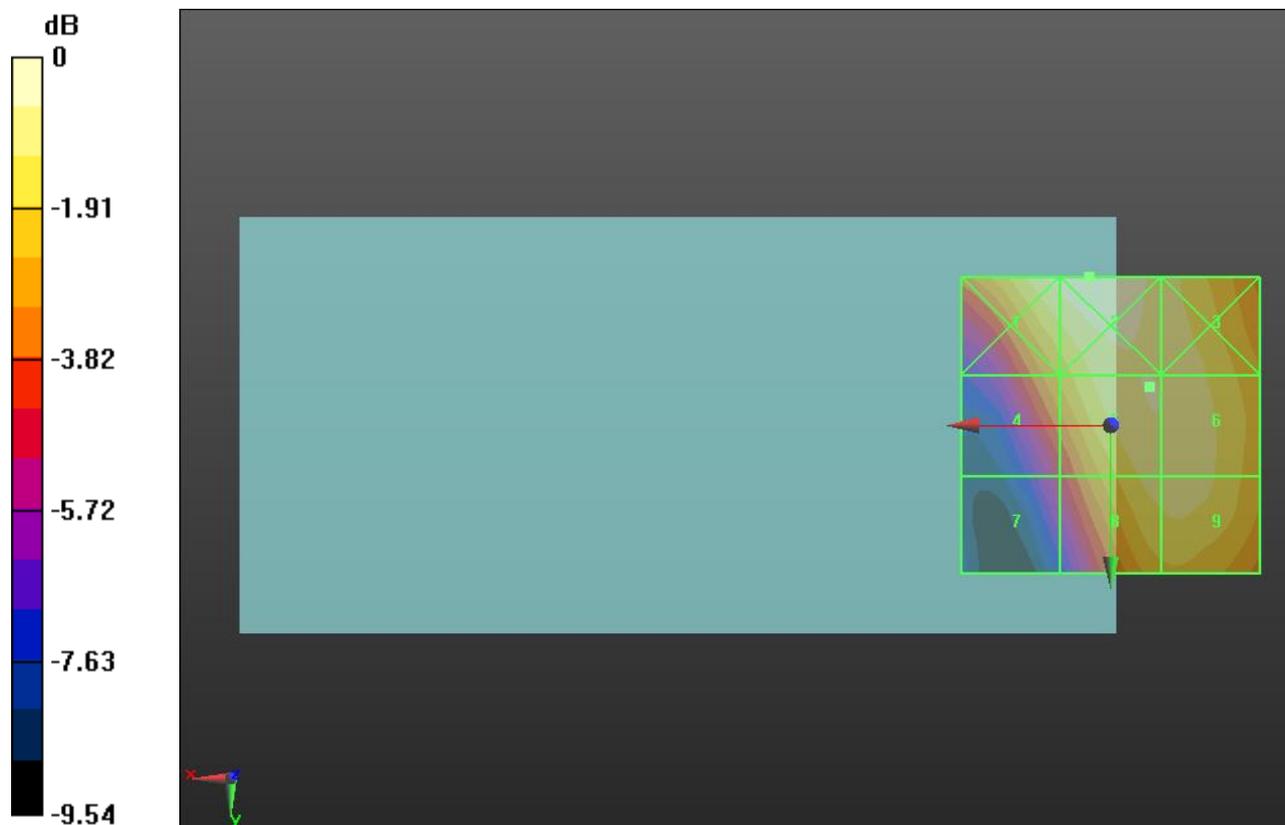
Applied MIF = 3.63 dB

RF audio interference level = 27.56 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 27.91 dBV/m	Grid 2 M4 28.18 dBV/m	Grid 3 M4 27.5 dBV/m
Grid 4 M4 25.82 dBV/m	Grid 5 M4 27.56 dBV/m	Grid 6 M4 27.54 dBV/m
Grid 7 M4 23.41 dBV/m	Grid 8 M4 27.21 dBV/m	Grid 9 M4 27.27 dBV/m



0 dB = 25.63 V/m = 28.17 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 Sn1259; Calibrated: 1/14/2015
- 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 = 20.05 V/m; Power Drift = 0.03 dB

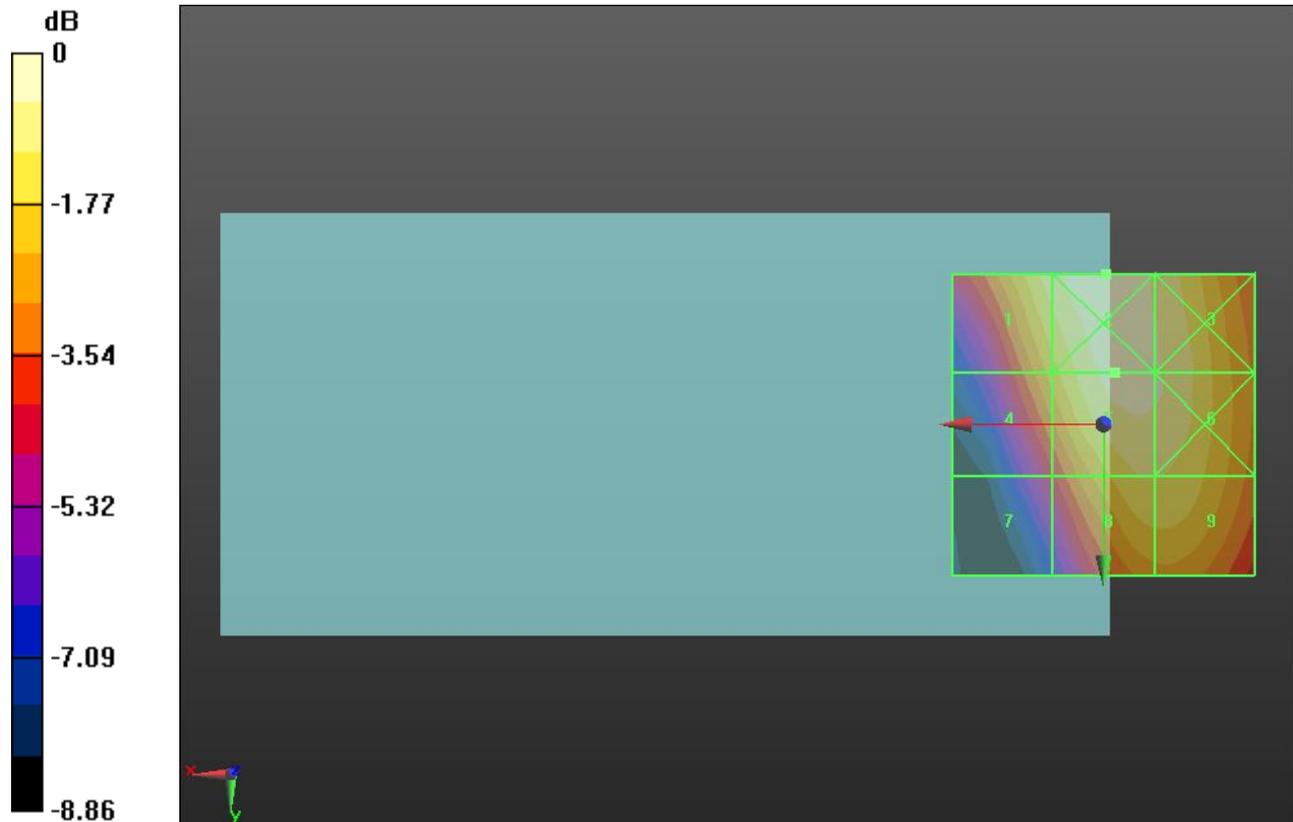
Applied MIF = 3.63 dB

RF audio interference level = 28.57 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 28.21 dBV/m	Grid 2 M4 29.01 dBV/m	Grid 3 M4 28.47 dBV/m
Grid 4 M4 26.94 dBV/m	Grid 5 M4 28.57 dBV/m	Grid 6 M4 28.48 dBV/m
Grid 7 M4 24.75 dBV/m	Grid 8 M4 27.87 dBV/m	Grid 9 M4 27.86 dBV/m



0 dB = 28.22 V/m = 29.01 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 Sn1259; Calibrated: 1/14/2015
- 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 = 18.15 V/m; Power Drift = 0.03 dB

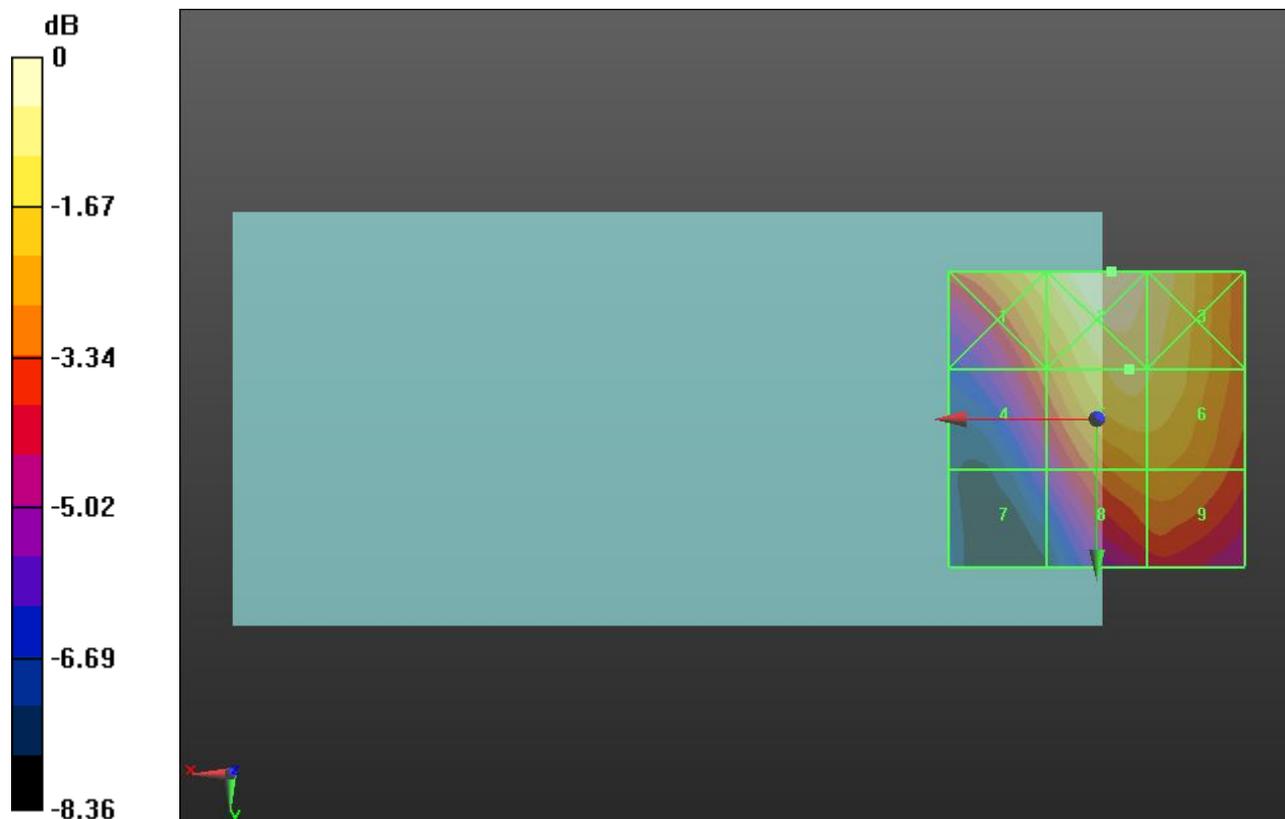
Applied MIF = 3.63 dB

RF audio interference level = 28.31 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 28.19 dBV/m	Grid 2 M4 29.2 dBV/m	Grid 3 M4 28.68 dBV/m
Grid 4 M4 26.32 dBV/m	Grid 5 M4 28.31 dBV/m	Grid 6 M4 28.17 dBV/m
Grid 7 M4 23.93 dBV/m	Grid 8 M4 26.97 dBV/m	Grid 9 M4 27.02 dBV/m



0 dB = 28.83 V/m = 29.20 dBV/m