



Appendix B. Plots of RF Emission Measurement

The plots are shown as follows.

01 HAC RF_GSM850_GSM_Voice_Ch128_E

Communication System: UID 10021 - DAA, GSM-FDD (TDMA, GMSK); Frequency: 824.2 MHz; Duty Cycle: 1:8.3

Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³

Ambient Temperature : 23.4 °C

DASY5 Configuration:

- Probe: ER3DV6 - SN2476; ConvF(1, 1, 1); Calibrated: 2013.11.29;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1358; Calibrated: 2014.04.30
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Ch128/Hearing Aid Compatibility Test (101x101x1): Interpolated grid: dx=5 mm, dy=5 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 50.10 V/m; Power Drift = 0.03 dB

Applied MIF = 3.63 dB

RF audio interference level = 35.32 dBV/m

Emission category: M4

MIF scaled E-field

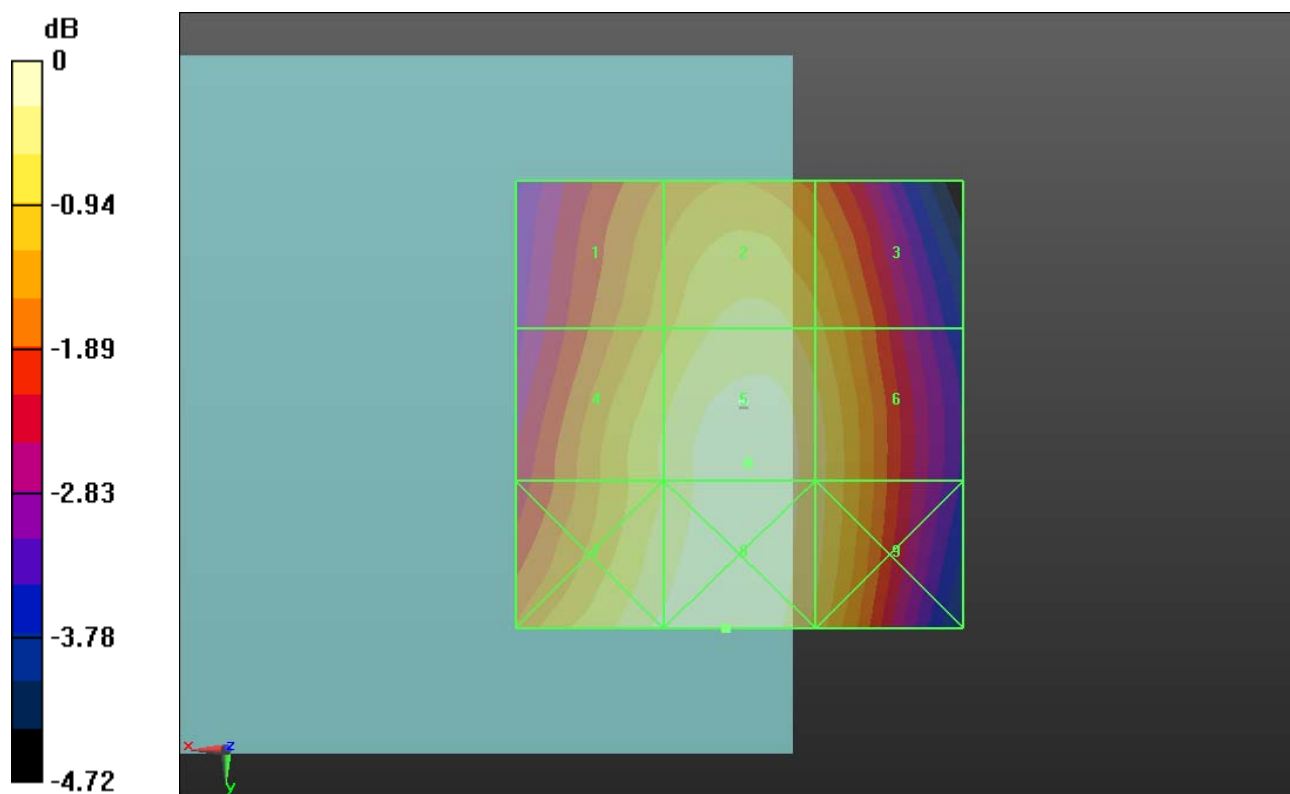
Grid 1 M4 34.37 dBV/m	Grid 2 M4 34.92 dBV/m	Grid 3 M4 34.6 dBV/m
Grid 4 M4 34.85 dBV/m	Grid 5 M4 35.32 dBV/m	Grid 6 M4 34.95 dBV/m
Grid 7 M4 35.19 dBV/m	Grid 8 M4 35.42 dBV/m	Grid 9 M4 34.94 dBV/m

Cursor:

Total = 35.42 dBV/m

E Category: M4

Location: 1.5, 25, 9.7 mm



0 dB = 59.03 V/m = 35.42 dBV/m

02 HAC RF_GSM850_GSM_Voice_Ch189_E

Communication System: UID 10021 - DAA, GSM-FDD (TDMA, GMSK); Frequency: 836.6 MHz; Duty Cycle: 1:8.3

Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³

Ambient Temperature : 23.4 °C

DASY5 Configuration:

- Probe: ER3DV6 - SN2476; ConvF(1, 1, 1); Calibrated: 2013.11.29;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1358; Calibrated: 2014.04.30
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Ch189/Hearing Aid Compatibility Test (101x101x1): Interpolated grid: dx=5 mm, dy=5 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 57.08 V/m; Power Drift = -0.01 dB

Applied MIF = 3.63 dB

RF audio interference level = 36.47 dBV/m

Emission category: M4

MIF scaled E-field

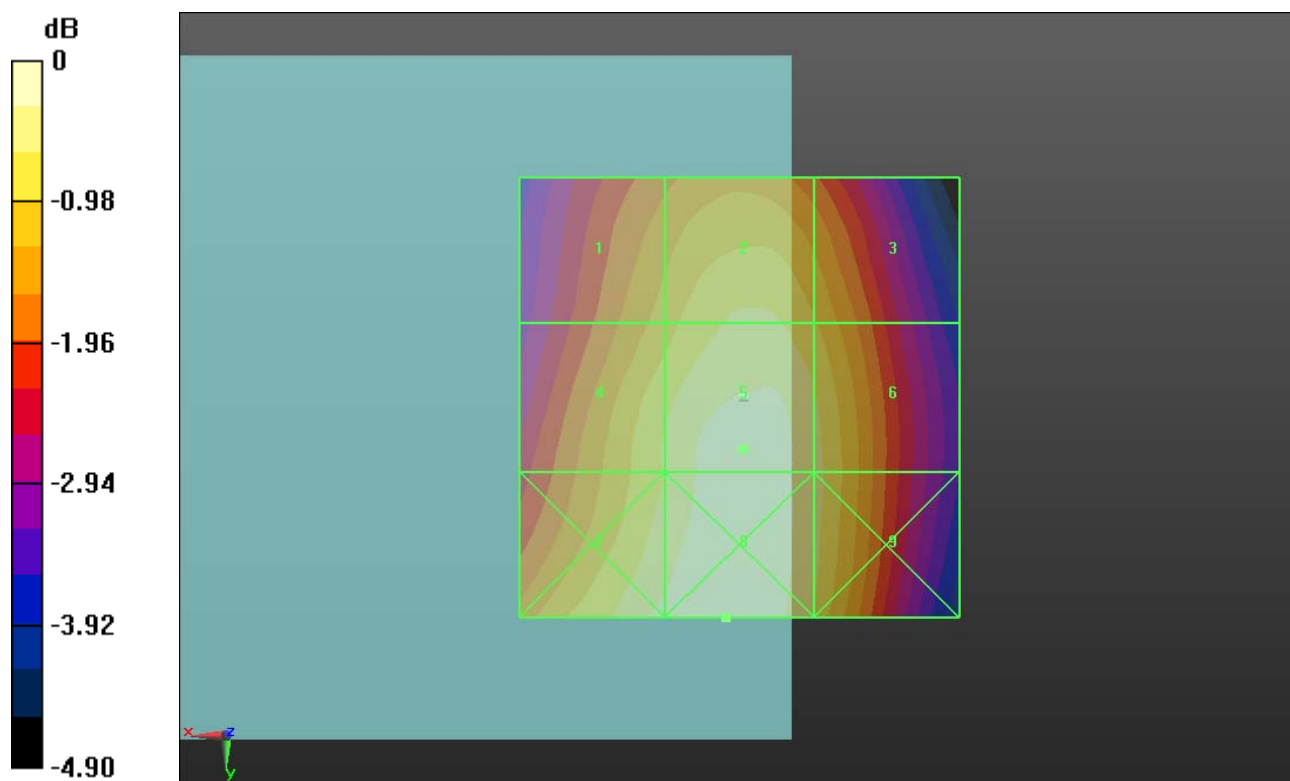
Grid 1 M4 35.49 dBV/m	Grid 2 M4 36.03 dBV/m	Grid 3 M4 35.67 dBV/m
Grid 4 M4 36.01 dBV/m	Grid 5 M4 36.47 dBV/m	Grid 6 M4 36.09 dBV/m
Grid 7 M4 36.4 dBV/m	Grid 8 M4 36.62 dBV/m	Grid 9 M4 36.1 dBV/m

Cursor:

Total = 36.62 dBV/m

E Category: M4

Location: 1.5, 25, 9.7 mm



0 dB = 67.73 V/m = 36.62 dBV/m

03 HAC RF_GSM850_GSM_Voice_Ch251_E

Communication System: UID 10021 - DAA, GSM-FDD (TDMA, GMSK); Frequency: 848.6 MHz; Duty Cycle: 1:8.3

Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³

Ambient Temperature : 23.4 °C

DASY5 Configuration:

- Probe: ER3DV6 - SN2476; ConvF(1, 1, 1); Calibrated: 2013.11.29;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1358; Calibrated: 2014.04.30
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Ch251/Hearing Aid Compatibility Test (101x101x1): Interpolated grid: dx=5 mm, dy=5 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 62.89 V/m; Power Drift = 0.08 dB

Applied MIF = 3.63 dB

RF audio interference level = 37.42 dBV/m

Emission category: M4

MIF scaled E-field

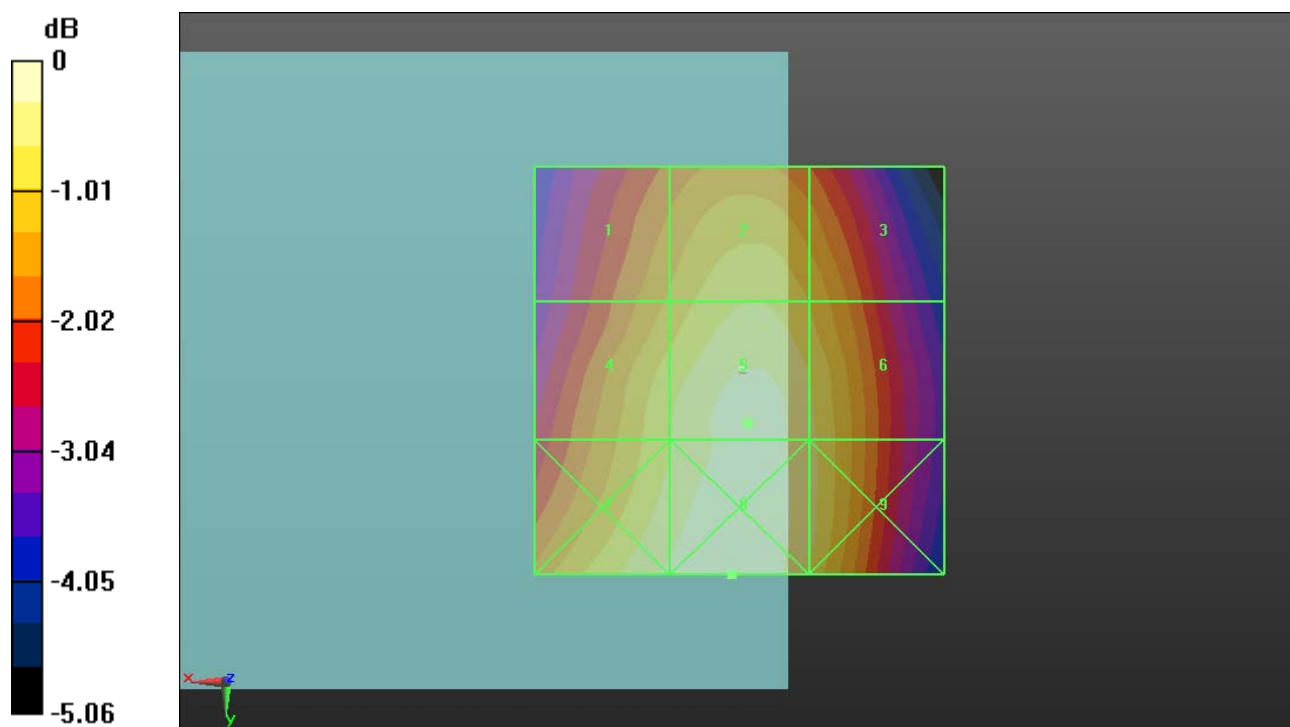
Grid 1 M4 36.34 dBV/m	Grid 2 M4 36.94 dBV/m	Grid 3 M4 36.6 dBV/m
Grid 4 M4 36.93 dBV/m	Grid 5 M4 37.42 dBV/m	Grid 6 M4 37.06 dBV/m
Grid 7 M4 37.36 dBV/m	Grid 8 M4 37.62 dBV/m	Grid 9 M4 37.07 dBV/m

Cursor:

Total = 37.62 dBV/m

E Category: M4

Location: 1, 25, 9.7 mm



0 dB = 76.00 V/m = 37.62 dBV/m

04 HAC RF_GSM1900_GSM_Voice_Ch512_E

Communication System: UID 10021 - DAA, GSM-FDD (TDMA, GMSK); Frequency: 1850.2 MHz; Duty Cycle: 1:8.3

Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³

Ambient Temperature : 23.4 °C

DASY5 Configuration:

- Probe: ER3DV6 - SN2476; ConvF(1, 1, 1); Calibrated: 2013.11.29;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1358; Calibrated: 2014.04.30
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Ch512/Hearing Aid Compatibility Test (101x101x1): Interpolated grid: dx=5 mm, dy=5 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 9.551 V/m; Power Drift = 0.03 dB

Applied MIF = 3.63 dB

RF audio interference level = 27.35 dBV/m

Emission category: M4

MIF scaled E-field

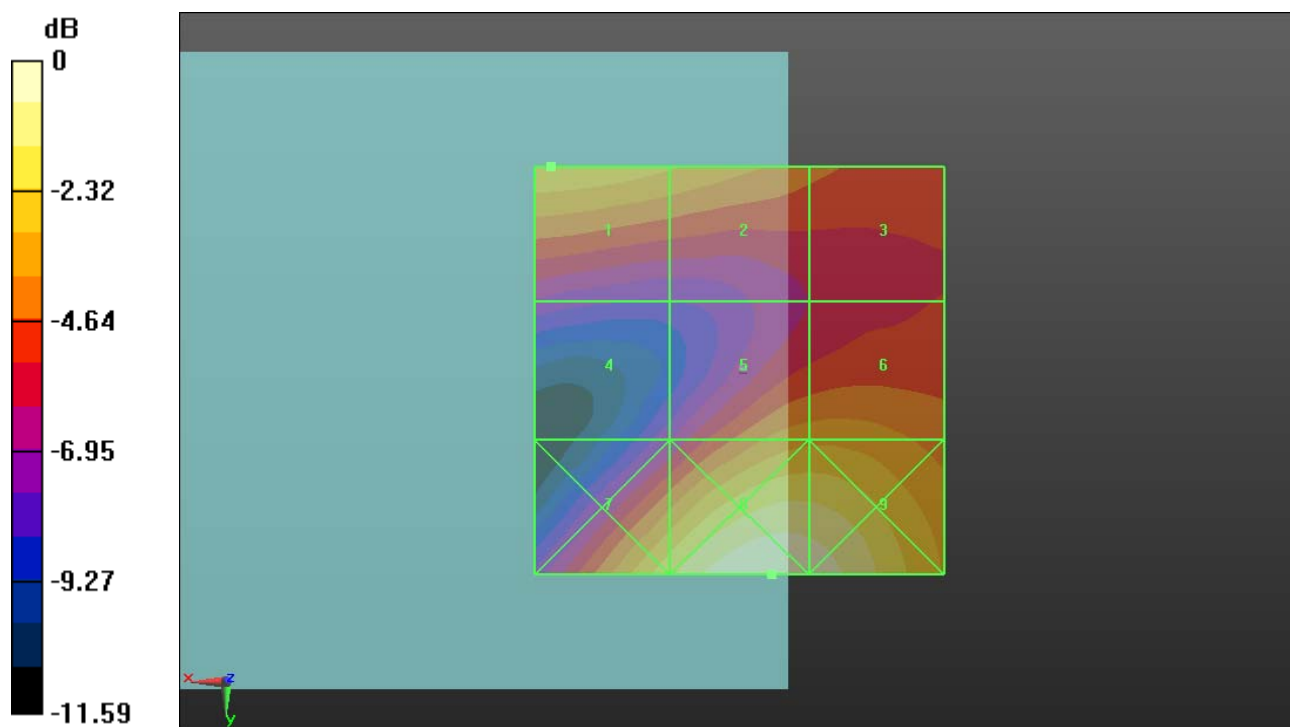
Grid 1 M4 27.35 dBV/m	Grid 2 M4 26.77 dBV/m	Grid 3 M4 25.43 dBV/m
Grid 4 M4 22.82 dBV/m	Grid 5 M4 26.45 dBV/m	Grid 6 M4 26.5 dBV/m
Grid 7 M4 28.05 dBV/m	Grid 8 M4 29.74 dBV/m	Grid 9 M4 29.49 dBV/m

Cursor:

Total = 29.74 dBV/m

E Category: M4

Location: -4, 25, 9.7 mm



0 dB = 30.68 V/m = 29.74 dBV/m

05 HAC RF_GSM1900_GSM_Voice_Ch661_E

Communication System: UID 10021 - DAA, GSM-FDD (TDMA, GMSK); Frequency: 1880 MHz; Duty Cycle: 1:8.3

Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³

Ambient Temperature : 23.4 °C

DASY5 Configuration:

- Probe: ER3DV6 - SN2476; ConvF(1, 1, 1); Calibrated: 2013.11.29;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1358; Calibrated: 2014.04.30
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Ch661/Hearing Aid Compatibility Test (101x101x1): Interpolated grid: dx=5 mm, dy=5 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 9.302 V/m; Power Drift = -0.03 dB

Applied MIF = 3.63 dB

RF audio interference level = 27.17 dBV/m

Emission category: M4

MIF scaled E-field

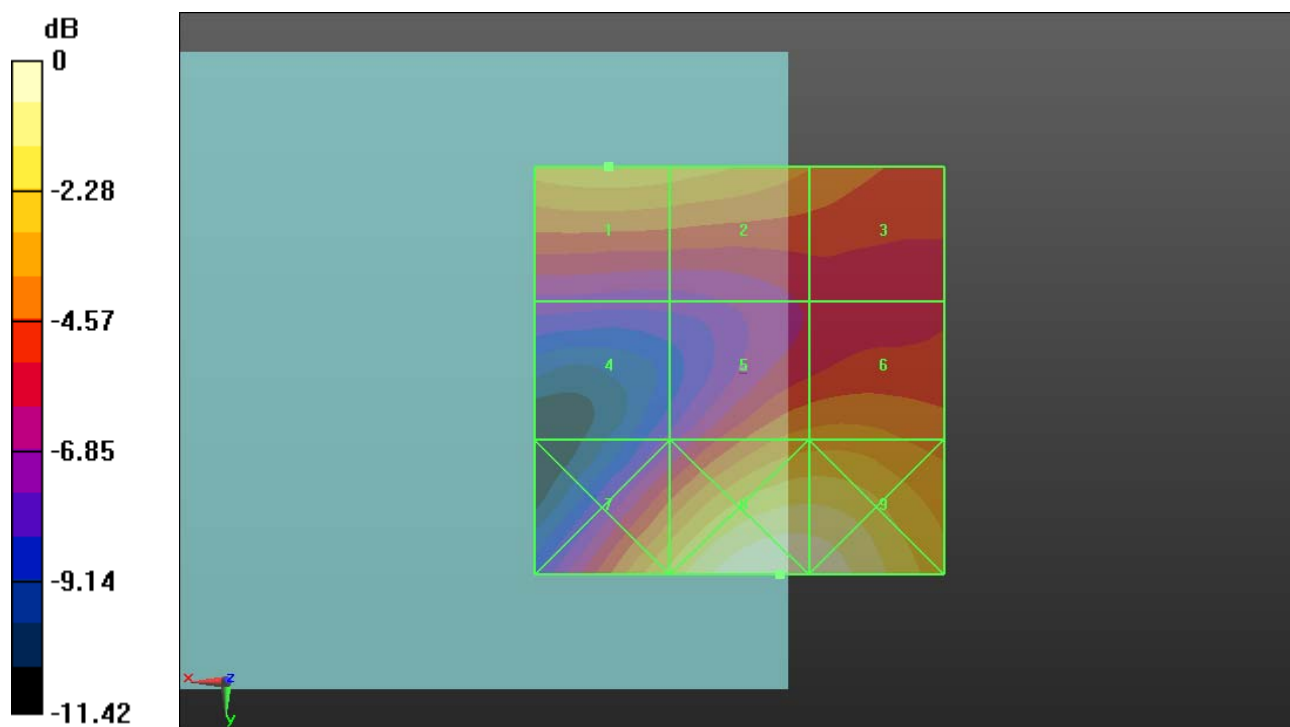
Grid 1 M4 27.17 dBV/m	Grid 2 M4 27.01 dBV/m	Grid 3 M4 25.87 dBV/m
Grid 4 M4 22.55 dBV/m	Grid 5 M4 26.2 dBV/m	Grid 6 M4 26.29 dBV/m
Grid 7 M4 27.62 dBV/m	Grid 8 M4 29.6 dBV/m	Grid 9 M4 29.47 dBV/m

Cursor:

Total = 29.60 dBV/m

E Category: M4

Location: -5, 25, 9.7 mm



06 HAC RF_GSM1900_GSM_Voice_Ch810_E

Communication System: UID 10021 - DAA, GSM-FDD (TDMA, GMSK); Frequency: 1909.8 MHz; Duty Cycle: 1:8.3

Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³

Ambient Temperature : 23.4 °C

DASY5 Configuration:

- Probe: ER3DV6 - SN2476; ConvF(1, 1, 1); Calibrated: 2013.11.29;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1358; Calibrated: 2014.04.30
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Ch810/Hearing Aid Compatibility Test (101x101x1): Interpolated grid: dx=5 mm, dy=5 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 9.899 V/m; Power Drift = -0.08 dB

Applied MIF = 3.63 dB

RF audio interference level = 27.23 dBV/m

Emission category: M4

MIF scaled E-field

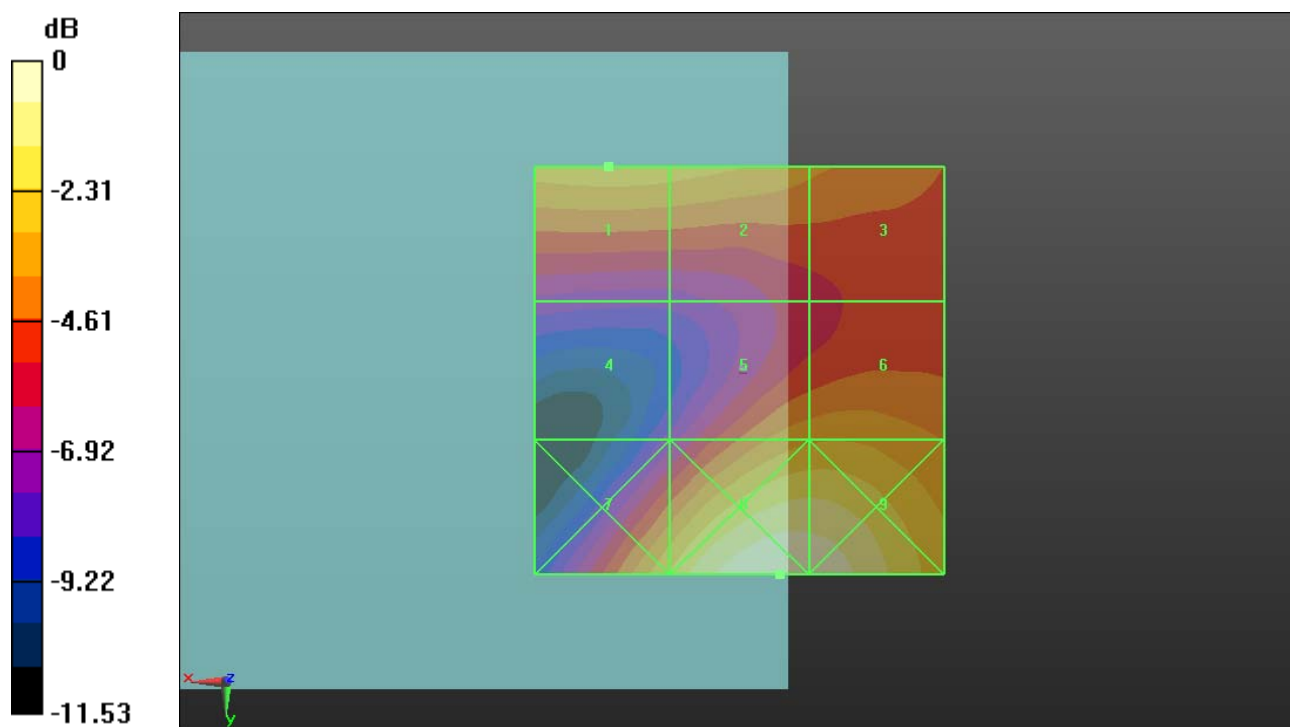
Grid 1 M4 27.23 dBV/m	Grid 2 M4 27.08 dBV/m	Grid 3 M4 26.09 dBV/m
Grid 4 M4 22.65 dBV/m	Grid 5 M4 26.51 dBV/m	Grid 6 M4 26.62 dBV/m
Grid 7 M4 27.52 dBV/m	Grid 8 M4 29.7 dBV/m	Grid 9 M4 29.58 dBV/m

Cursor:

Total = 29.70 dBV/m

E Category: M4

Location: -5, 25, 9.7 mm



0 dB = 30.57 V/m = 29.71 dBV/m