

02 HAC RF_GSM850_GSM_Voice_Ch189_E

Communication System: UID 10021, GSM-FDD (TDMA, GMSK); Frequency: 836.6 MHz; Duty Cycle: 1:8.69

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

Ambient Temperature : 23.0 °C

DASY5 Configuration:

- Probe: ER3DV6 - SN2476; ConvF(1, 1, 1); Calibrated: 2013.11.29;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1210; Calibrated: 2014.05.19
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 49.69 V/m; Power Drift = -0.04 dB

Applied MIF = 3.63 dB

RF audio interference level = 35.08 dBV/m

Emission category: M4

MIF scaled E-field

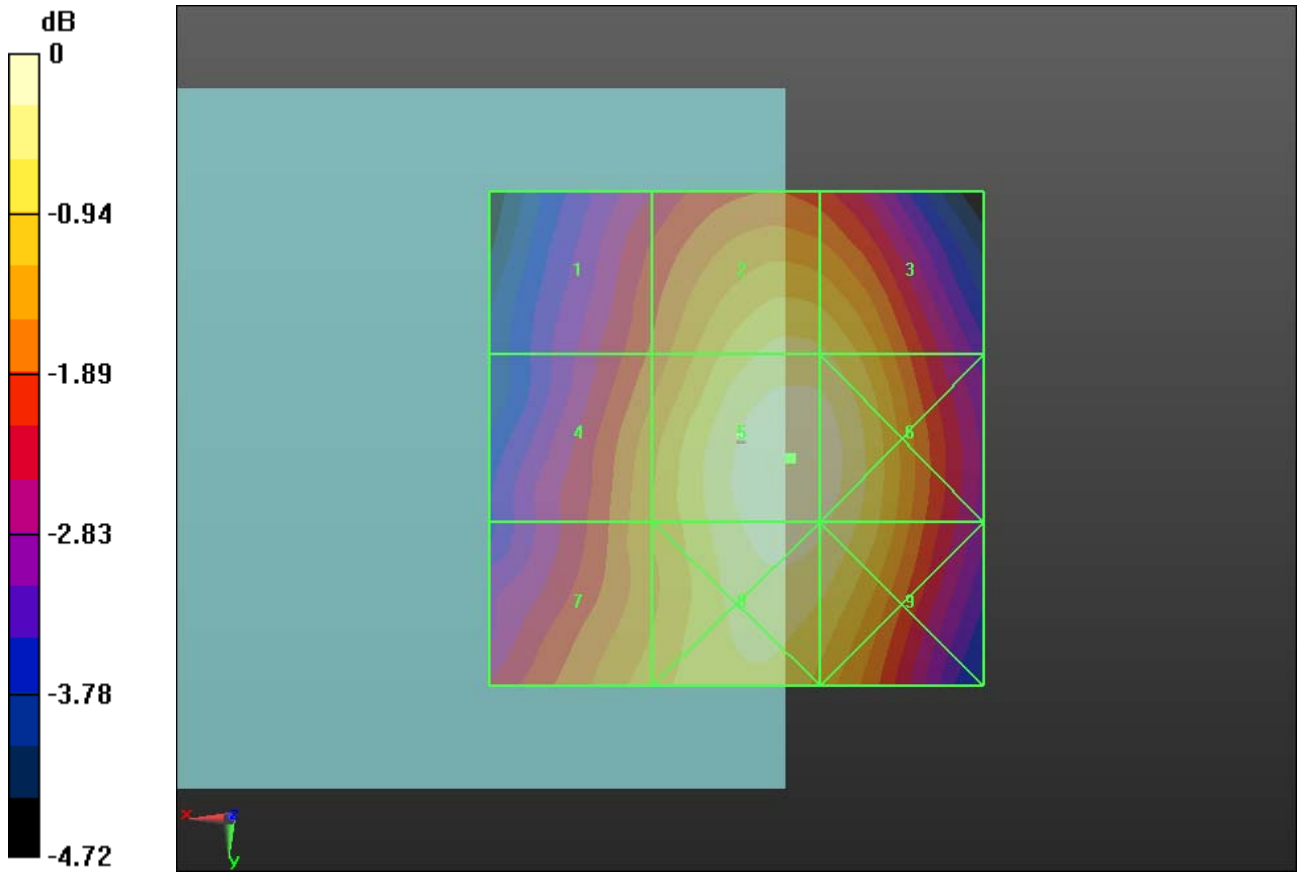
Grid 1 M4 33.28 dBV/m	Grid 2 M4 34.58 dBV/m	Grid 3 M4 34.52 dBV/m
Grid 4 M4 33.83 dBV/m	Grid 5 M4 35.08 dBV/m	Grid 6 M4 34.98 dBV/m
Grid 7 M4 34.01 dBV/m	Grid 8 M4 34.94 dBV/m	Grid 9 M4 34.83 dBV/m

Cursor:

Total = 35.08 dBV/m

E Category: M4

Location: -5.5, 2, 9.7 mm



0 dB = 56.74 V/m = 35.08 dBV/m

01 HAC RF_GSM850_GSM_Voice_Ch128_E

Communication System: UID 10021, GSM-FDD (TDMA, GMSK); Frequency: 824.2 MHz; Duty Cycle: 1:8.69

Medium: Air Medium parameters used: $\sigma = 0 \text{ S/m}$, $\epsilon_r = 1$; $\rho = 0 \text{ kg/m}^3$

Ambient Temperature : 23.0 °C

DASY5 Configuration:

- Probe: ER3DV6 - SN2476; ConvF(1, 1, 1); Calibrated: 2013.11.29;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1210; Calibrated: 2014.05.19
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 55.71 V/m; Power Drift = 0.18 dB

Applied MIF = 3.63 dB

RF audio interference level = 36.34 dBV/m

Emission category: M4

MIF scaled E-field

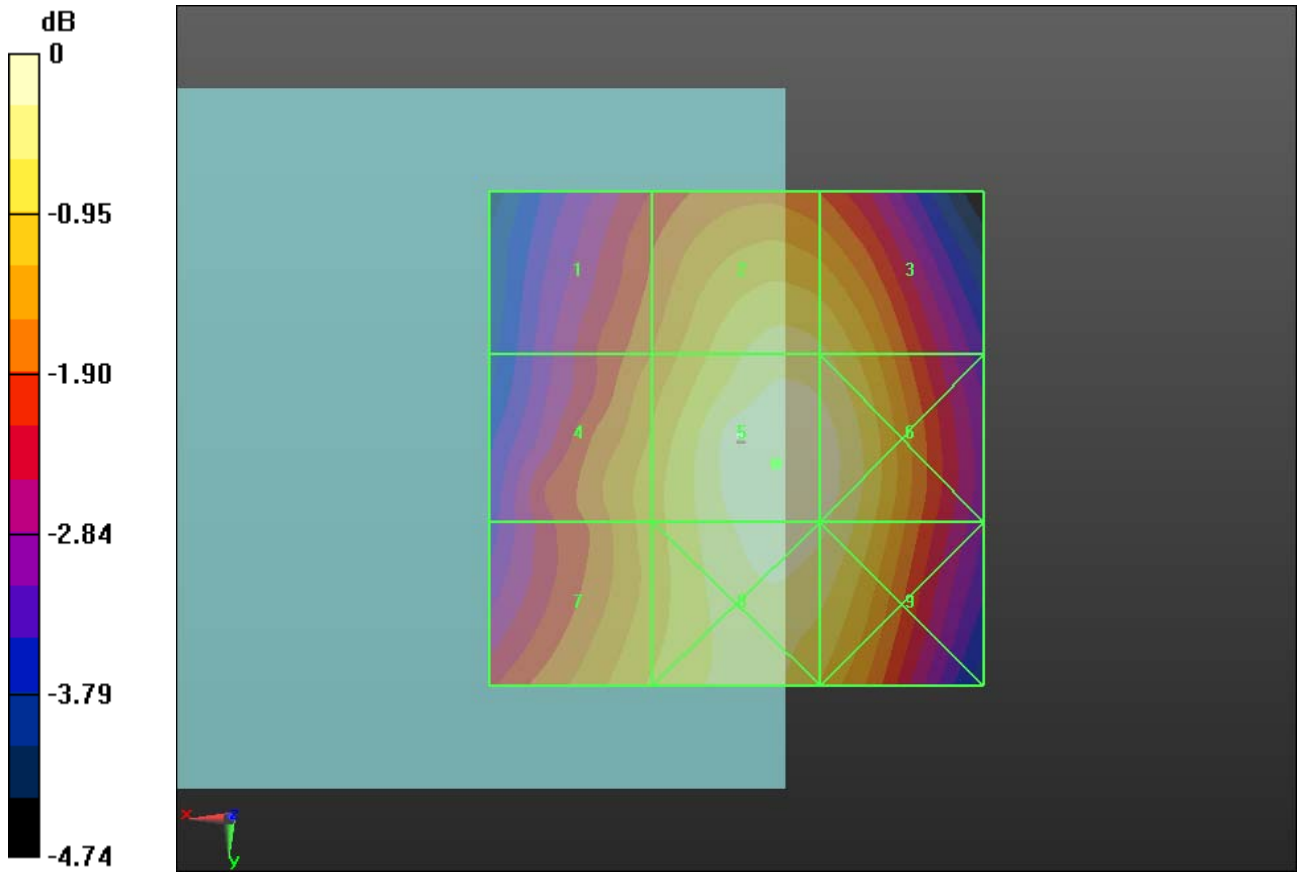
Grid 1 M4 34.79 dBV/m	Grid 2 M4 35.9 dBV/m	Grid 3 M4 35.79 dBV/m
Grid 4 M4 35.29 dBV/m	Grid 5 M4 36.34 dBV/m	Grid 6 M4 36.22 dBV/m
Grid 7 M4 35.45 dBV/m	Grid 8 M4 36.23 dBV/m	Grid 9 M4 36.1 dBV/m

Cursor:

Total = 36.34 dBV/m

E Category: M4

Location: -4, 2.5, 9.7 mm



0 dB = 65.63 V/m = 36.34 dBV/m

03 HAC RF_GSM850_GSM_Voice_Ch251_E

Communication System: UID 10021, GSM-FDD (TDMA, GMSK); Frequency: 848.6 MHz; Duty Cycle: 1:8.69

Medium: Air Medium parameters used: $\sigma = 0 \text{ S/m}$, $\epsilon_r = 1$; $\rho = 0 \text{ kg/m}^3$

Ambient Temperature : 23.0 °C

DASY5 Configuration:

- Probe: ER3DV6 - SN2476; ConvF(1, 1, 1); Calibrated: 2013.11.29;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1210; Calibrated: 2014.05.19
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 47.21 V/m; Power Drift = 0.06 dB

Applied MIF = 3.63 dB

RF audio interference level = 34.61 dBV/m

Emission category: M4

MIF scaled E-field

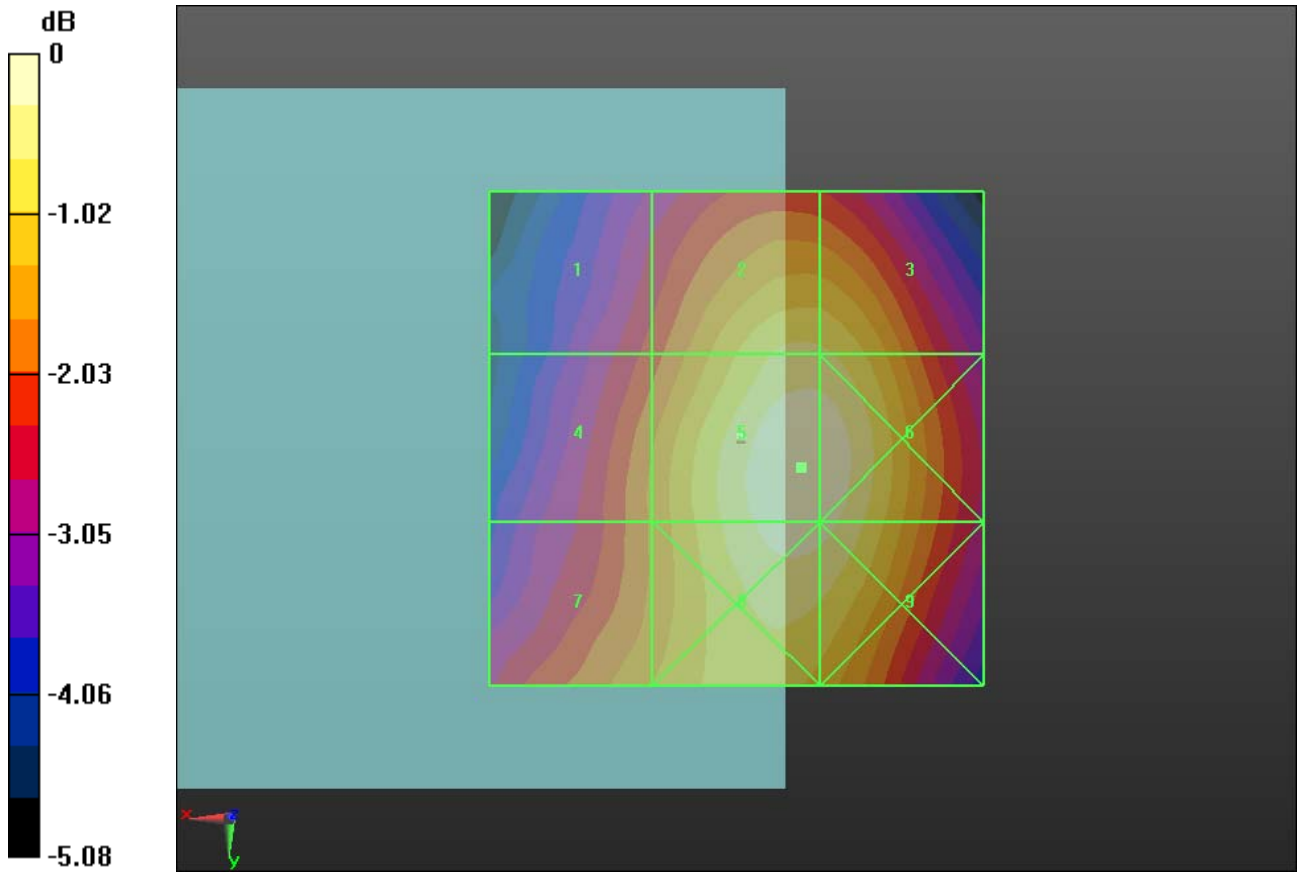
Grid 1 M4 32.44 dBV/m	Grid 2 M4 34.04 dBV/m	Grid 3 M4 34.01 dBV/m
Grid 4 M4 33.01 dBV/m	Grid 5 M4 34.61 dBV/m	Grid 6 M4 34.56 dBV/m
Grid 7 M4 33.28 dBV/m	Grid 8 M4 34.45 dBV/m	Grid 9 M4 34.39 dBV/m

Cursor:

Total = 34.61 dBV/m

E Category: M4

Location: -6.5, 3, 9.7 mm



0 dB = 53.75 V/m = 34.61 dBV/m

04 HAC RF_GSM1900_GSM_Voice_Ch512_E

Communication System: UID 10021, GSM-FDD (TDMA, GMSK); Frequency: 1850.2 MHz; Duty Cycle: 1:8.69

Medium: Air Medium parameters used: $\sigma = 0 \text{ S/m}$, $\epsilon_r = 1$; $\rho = 0 \text{ kg/m}^3$

Ambient Temperature : 23.0 °C

DASY5 Configuration:

- Probe: ER3DV6 - SN2476; ConvF(1, 1, 1); Calibrated: 2013.11.29;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1210; Calibrated: 2014.05.19
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 14.33 V/m; Power Drift = 0.11 dB

Applied MIF = 3.63 dB

RF audio interference level = 27.91 dBV/m

Emission category: M4

MIF scaled E-field

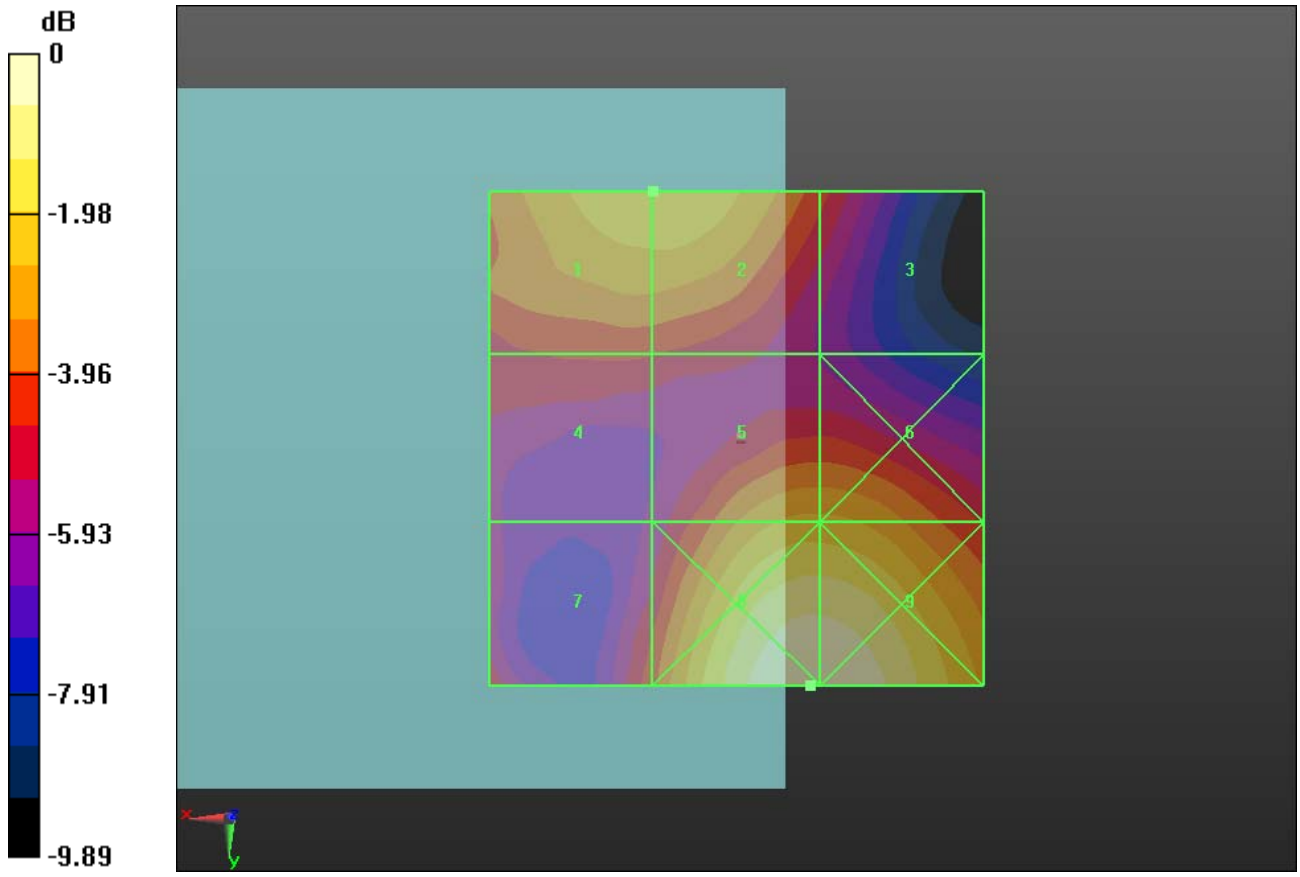
Grid 1 M4 27.91 dBV/m	Grid 2 M4 27.91 dBV/m	Grid 3 M4 25.62 dBV/m
Grid 4 M4 25.45 dBV/m	Grid 5 M4 27.51 dBV/m	Grid 6 M4 27.5 dBV/m
Grid 7 M4 25.8 dBV/m	Grid 8 M4 29.92 dBV/m	Grid 9 M4 29.91 dBV/m

Cursor:

Total = 29.92 dBV/m

E Category: M4

Location: -7.5, 25, 9.7 mm



0 dB = 31.35 V/m = 29.92 dBV/m

05 HAC RF_GSM1900_GSM_Voice_Ch661_E

Communication System: UID 10021, GSM-FDD (TDMA, GMSK); Frequency: 1880 MHz; Duty Cycle: 1:8.69

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

Ambient Temperature : 23.0 °C

DASY5 Configuration:

- Probe: ER3DV6 - SN2476; ConvF(1, 1, 1); Calibrated: 2013.11.29;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1210; Calibrated: 2014.05.19
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 14.50 V/m; Power Drift = -0.10 dB

Applied MIF = 3.63 dB

RF audio interference level = 27.20 dBV/m

Emission category: M4

MIF scaled E-field

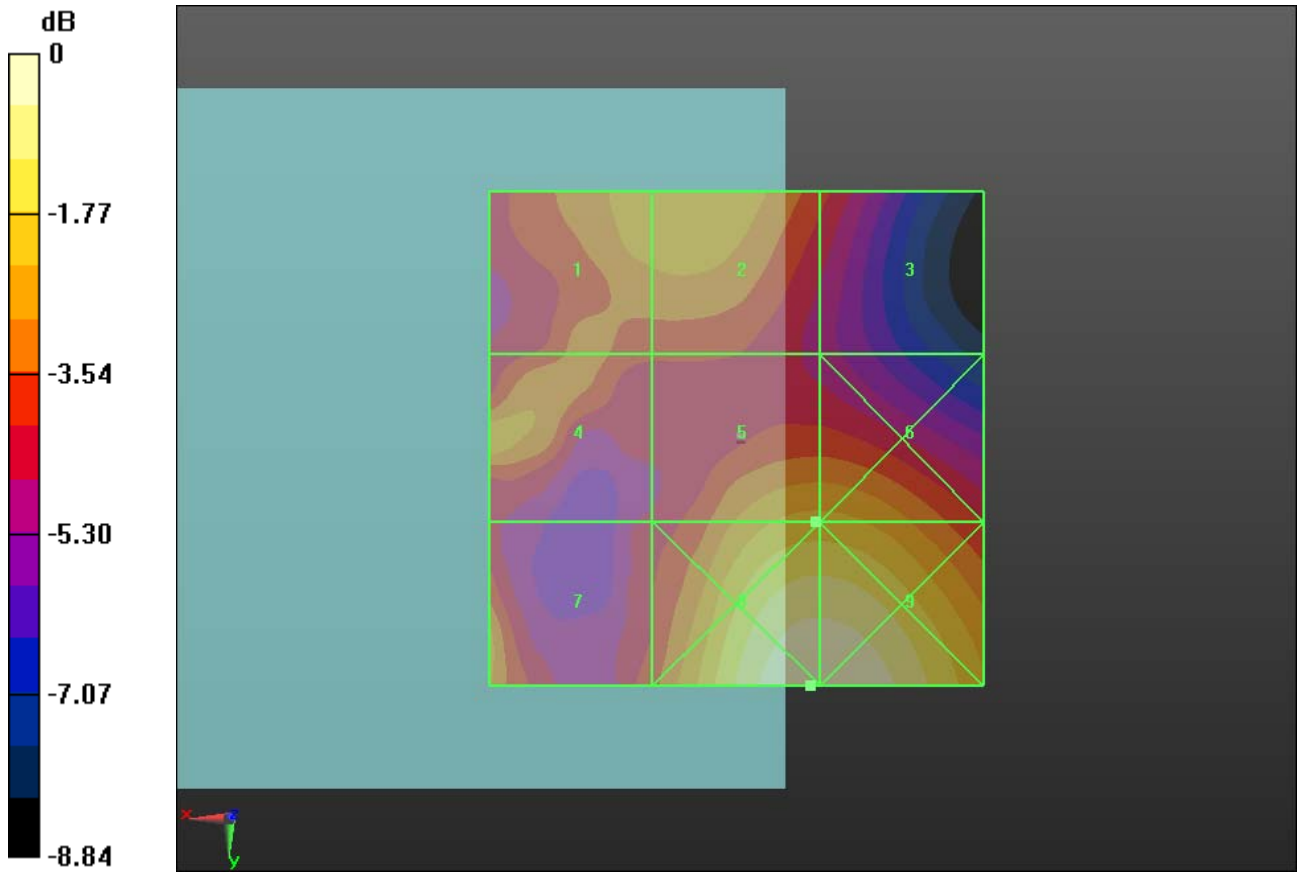
Grid 1 M4 26.76 dBV/m	Grid 2 M4 26.88 dBV/m	Grid 3 M4 25.45 dBV/m
Grid 4 M4 26.66 dBV/m	Grid 5 M4 27.2 dBV/m	Grid 6 M4 27.19 dBV/m
Grid 7 M4 26.68 dBV/m	Grid 8 M4 29.31 dBV/m	Grid 9 M4 29.3 dBV/m

Cursor:

Total = 29.31 dBV/m

E Category: M4

Location: -7.5, 25, 9.7 mm



0 dB = 29.19 V/m = 29.30 dBV/m

01 HAC RF_GSM1900_GSM_Voice_Ch810_E

Communication System: UID 10021, GSM-FDD (TDMA, GMSK); Frequency: 1909.8 MHz; Duty Cycle: 1:8.69

Medium: Air Medium parameters used: $\sigma = 0 \text{ S/m}$, $\epsilon_r = 1$; $\rho = 0 \text{ kg/m}^3$

Ambient Temperature : 23.0 °C

DASY5 Configuration:

- Probe: ER3DV6 - SN2476; ConvF(1, 1, 1); Calibrated: 2013.11.29;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1210; Calibrated: 2014.05.19
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 13.93 V/m; Power Drift = -0.05 dB

Applied MIF = 3.63 dB

RF audio interference level = 26.35 dBV/m

Emission category: M4

MIF scaled E-field

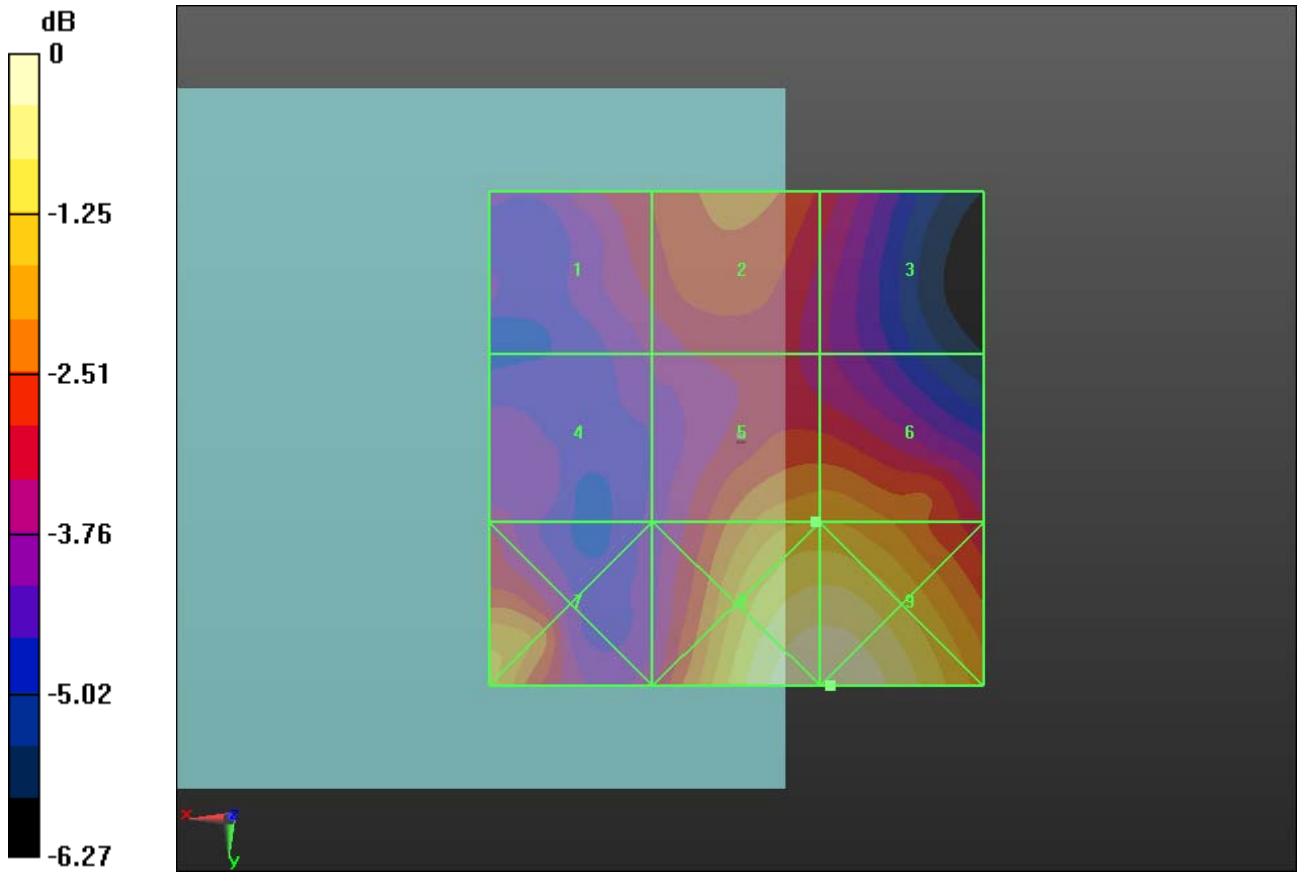
Grid 1 M4 25.12 dBV/m	Grid 2 M4 25.62 dBV/m	Grid 3 M4 24.99 dBV/m
Grid 4 M4 24.53 dBV/m	Grid 5 M4 26.35 dBV/m	Grid 6 M4 26.35 dBV/m
Grid 7 M4 26.6 dBV/m	Grid 8 M4 27.98 dBV/m	Grid 9 M4 27.99 dBV/m

Cursor:

Total = 27.99 dBV/m

E Category: M4

Location: -9.5, 25, 9.7 mm



0 dB = 25.08 V/m = 27.99 dBV/m