

#01_HAC_E_GSM850_GSM Voice_Ch128

Communication System: GSM-FDD (TDMA, GMSK); Frequency: 824.2 MHz; Duty Cycle: 1:8.6896

Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\epsilon_r = 1$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.6 °C

DASY5 Configuration

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2014/1/30;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1425; Calibrated: 2014/3/3
- 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/E Scan - ER3D: 15 mm from Probe Center to the Device/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 = 62.09 V/m; Power Drift = 0.01 dB

Applied MIF = 3.63 dB

RF audio interference level = 37.85 dBV/m

Emission category: M4

MIF scaled E-field

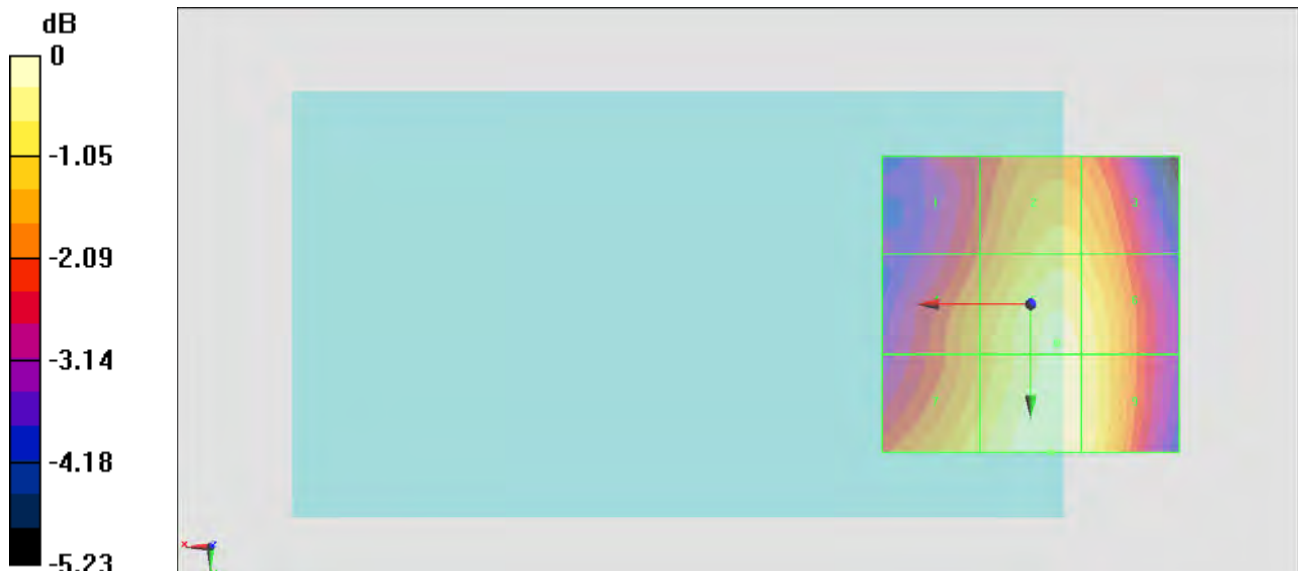
Grid 1 M4 35.81 dBV/m	Grid 2 M4 37.03 dBV/m	Grid 3 M4 36.92 dBV/m
Grid 4 M4 36.55 dBV/m	Grid 5 M4 37.6 dBV/m	Grid 6 M4 37.46 dBV/m
Grid 7 M4 37.13 dBV/m	Grid 8 M4 37.85 dBV/m	Grid 9 M4 37.54 dBV/m

Cursor:

Total = 37.85 dBV/m

E Category: M4

Location: -3.5, 25, 8.7 mm



$$0 \text{ dB} = 78.03 \text{ V/m} = 37.85 \text{ dBV/m}$$

#02_HAC_E_GSM850_GSM Voice_Ch189

Communication System: GSM-FDD (TDMA, GMSK); Frequency: 836.6 MHz; Duty Cycle: 1:8.6896

Medium: Air Medium parameters used: $\sigma = 0 \text{ S/m}$, $\epsilon_r = 1$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : 23.6 °C

DASY5 Configuration

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2014/1/30;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1425; Calibrated: 2014/3/3
- 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/E Scan - ER3D: 15 mm from Probe Center to the Device/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 = 63.31 V/m; Power Drift = -0.02 dB

Applied MIF = 3.63 dB

RF audio interference level = 38.09 dBV/m

Emission category: M4

MIF scaled E-field

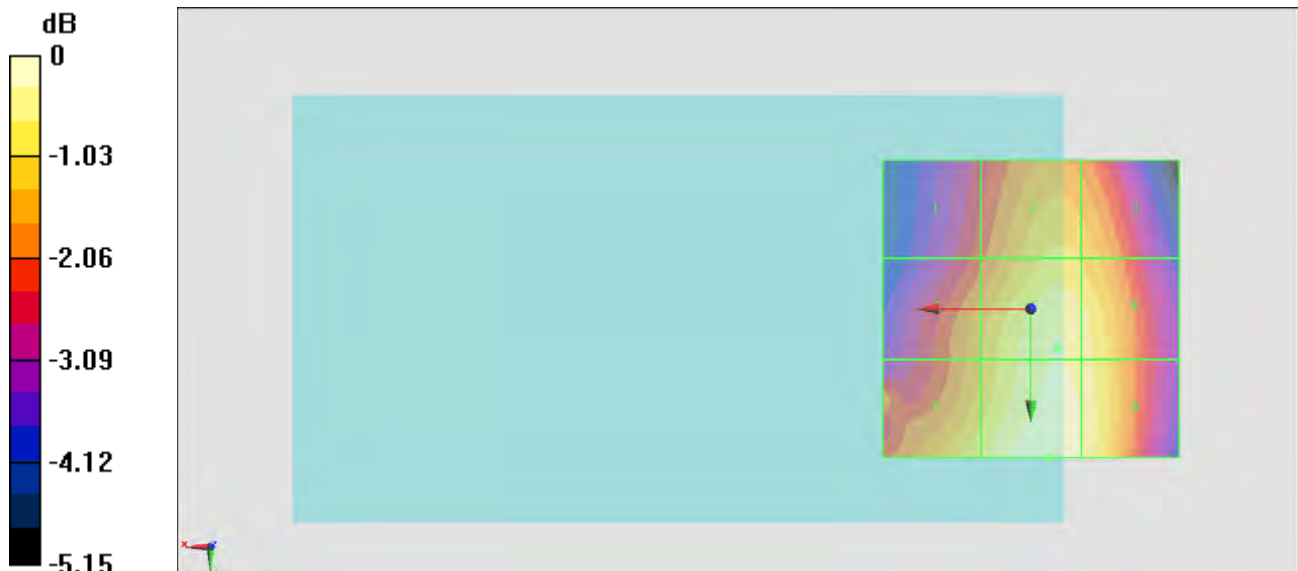
Grid 1 M4 35.95 dBV/m	Grid 2 M4 37.19 dBV/m	Grid 3 M4 37.08 dBV/m
Grid 4 M4 36.69 dBV/m	Grid 5 M4 37.77 dBV/m	Grid 6 M4 37.62 dBV/m
Grid 7 M4 37.37 dBV/m	Grid 8 M4 38.09 dBV/m	Grid 9 M4 37.76 dBV/m

Cursor:

Total = 38.09 dBV/m

E Category: M4

Location: -3, 25, 8.7 mm



$$0 \text{ dB} = 80.28 \text{ V/m} = 38.09 \text{ dBV/m}$$

#07_HAC_E_GSM850_GSM Voice_Ch251

Communication System: GSM-FDD (TDMA, GMSK); Frequency: 848.6 MHz; Duty Cycle: 1:8.6896
 Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\epsilon_r = 1$; $\rho = 1000$ kg/m³
 Ambient Temperature : 23.6 °C

DASY5 Configuration

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2014/1/30;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1279; Calibrated: 2014/7/23
- 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/E Scan - ER3D: 15 mm from Probe Center to the Device/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 = 65.83 V/m; Power Drift = 0.04 dB
 Applied MIF = 3.63 dB
 RF audio interference level = 38.81 dBV/m

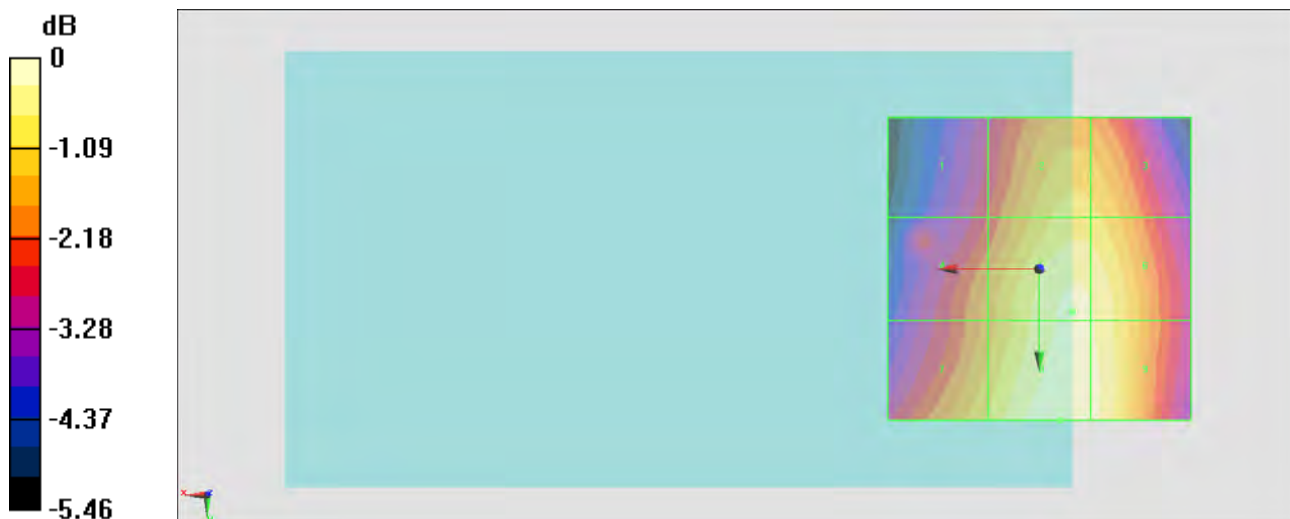
Emission category: M4

MIF scaled E-field

Grid 1 M4 36.32 dBV/m	Grid 2 M4 37.91 dBV/m	Grid 3 M4 37.86 dBV/m
Grid 4 M4 37.17 dBV/m	Grid 5 M4 38.53 dBV/m	Grid 6 M4 38.47 dBV/m
Grid 7 M4 37.82 dBV/m	Grid 8 M4 38.81 dBV/m	Grid 9 M4 38.61 dBV/m

Cursor:

Total = 38.81 dBV/m
 E Category: M4
 Location: -3.5, 25, 8.7 mm



$$0 \text{ dB} = 87.17 \text{ V/m} = 38.81 \text{ dBV/m}$$

#04_HAC_E_GSM1900_GSM Voice_Ch512

Communication System: GSM-FDD (TDMA, GMSK); Frequency: 1850.2 MHz; Duty Cycle: 1:8.6896

Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\epsilon_r = 1$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.6 °C

DASY5 Configuration

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2014/1/30;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1425; Calibrated: 2014/3/3
- 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/E Scan - ER3D: 15 mm from Probe Center to the Device/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 = 18.84 V/m; Power Drift = -0.12 dB

Applied MIF = 3.63 dB

RF audio interference level = 31.96 dBV/m

Emission category: M3

MIF scaled E-field

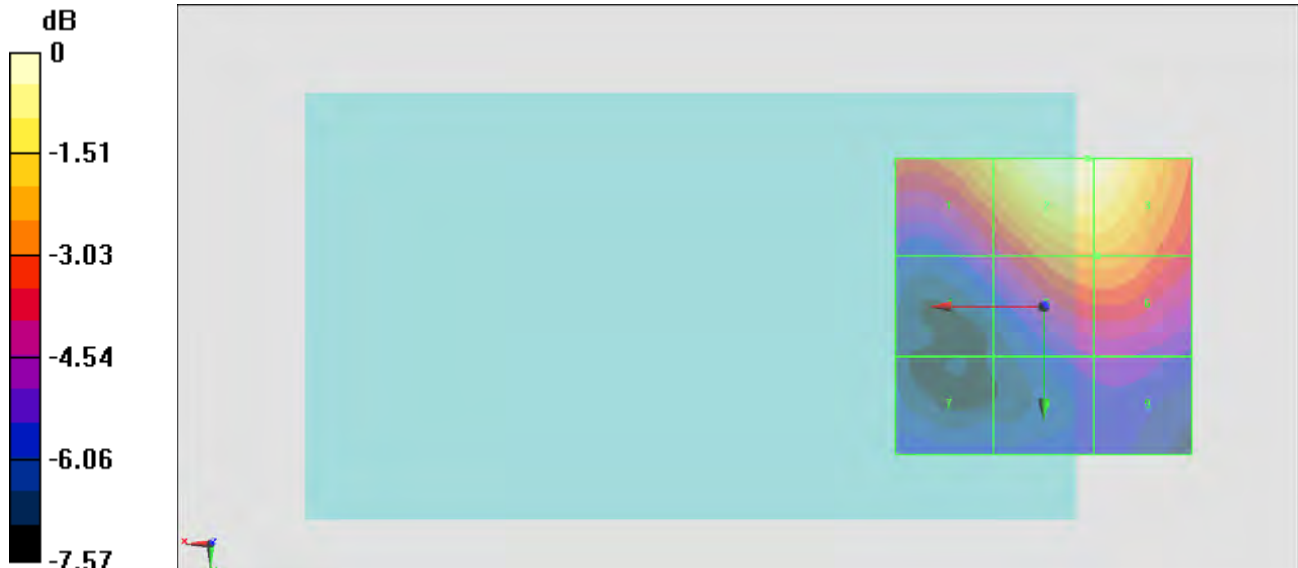
Grid 1 M3 30.52 dBV/m	Grid 2 M3 31.96 dBV/m	Grid 3 M3 31.94 dBV/m
Grid 4 M4 27.55 dBV/m	Grid 5 M4 29.88 dBV/m	Grid 6 M4 29.88 dBV/m
Grid 7 M4 26.51 dBV/m	Grid 8 M4 26.91 dBV/m	Grid 9 M4 26.99 dBV/m

Cursor:

Total = 31.96 dBV/m

E Category: M3

Location: -7.5, -25, 8.7 mm



$$0 \text{ dB} = 39.64 \text{ V/m} = 31.96 \text{ dBV/m}$$

#05_HAC_E_GSM1900_GSM Voice_Ch661

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

Medium: Air Medium parameters used: $\sigma = 0 \text{ S/m}$, $\epsilon_r = 1$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : 23.6 °C

DASY5 Configuration

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2014/1/30;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1425; Calibrated: 2014/3/3
- 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/E Scan - ER3D: 15 mm from Probe Center to the Device/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 = 21.03 V/m; Power Drift = -0.03 dB

Applied MIF = 3.63 dB

RF audio interference level = 33.29 dBV/m

Emission category: M3

MIF scaled E-field

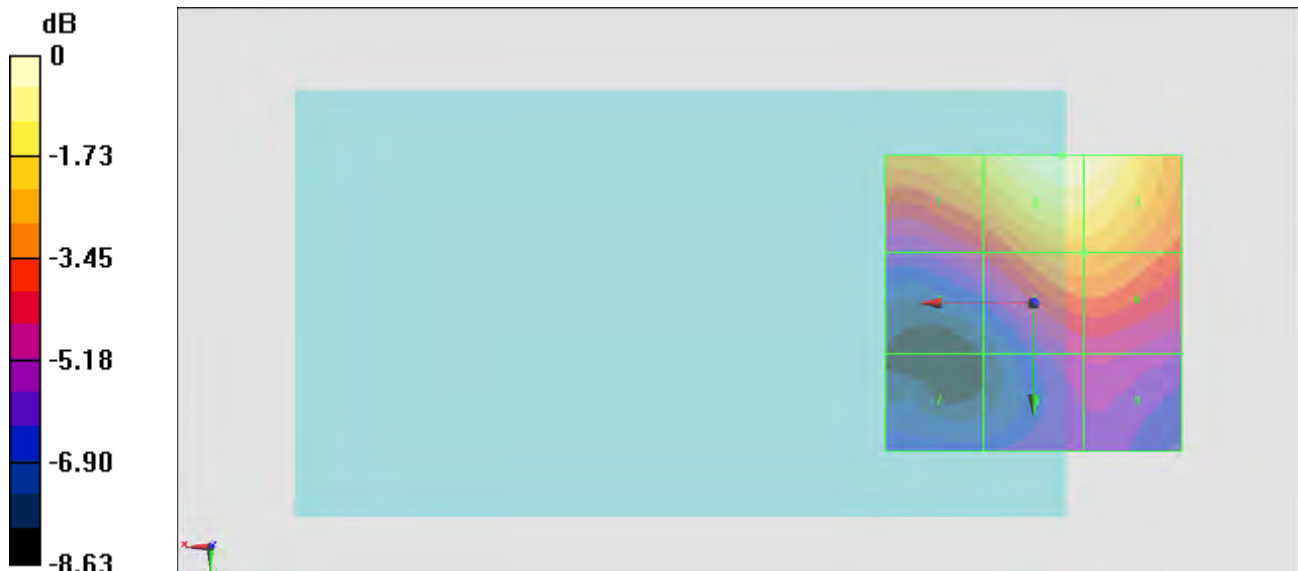
Grid 1 M3 31.97 dBV/m	Grid 2 M3 33.29 dBV/m	Grid 3 M3 33.2 dBV/m
Grid 4 M4 28.81 dBV/m	Grid 5 M3 31.11 dBV/m	Grid 6 M3 31.11 dBV/m
Grid 7 M4 27.02 dBV/m	Grid 8 M4 28.26 dBV/m	Grid 9 M4 28.33 dBV/m

Cursor:

Total = 33.29 dBV/m

E Category: M3

Location: -5, -25, 8.7 mm



$$0 \text{ dB} = 46.17 \text{ V/m} = 33.29 \text{ dBV/m}$$

#06_HAC_E_GSM1900_GSM Voice_Ch810

Communication System: GSM-FDD (TDMA, GMSK); Frequency: 1909.8 MHz; Duty Cycle: 1:8.6896

Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\epsilon_r = 1$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.6 °C

DASY5 Configuration

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2014/1/30;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1425; Calibrated: 2014/3/3
- 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/E Scan - ER3D: 15 mm from Probe Center to the Device/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 = 21.23 V/m; Power Drift = -0.15 dB

Applied MIF = 3.63 dB

RF audio interference level = 33.44 dBV/m

Emission category: M3

MIF scaled E-field

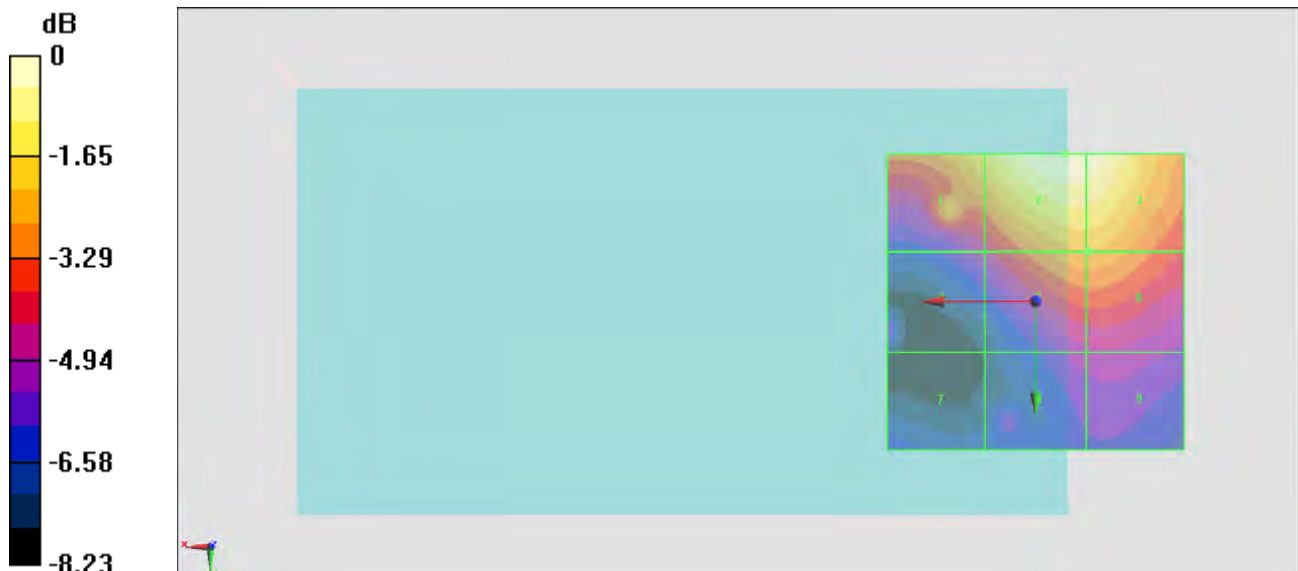
Grid 1 M3 32.04 dBV/m	Grid 2 M3 33.44 dBV/m	Grid 3 M3 33.37 dBV/m
Grid 4 M4 28.81 dBV/m	Grid 5 M3 31.25 dBV/m	Grid 6 M3 31.25 dBV/m
Grid 7 M4 27.32 dBV/m	Grid 8 M4 28.36 dBV/m	Grid 9 M4 28.47 dBV/m

Cursor:

Total = 33.44 dBV/m

E Category: M3

Location: -5, -25, 8.7 mm



$$0 \text{ dB} = 47.00 \text{ V/m} = 33.44 \text{ dBV/m}$$