

#01_HAC_E_GSM850_GSM Voice_Ch128

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

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

Ambient Temperature : 23.2 °C

DASY5 Configuration

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2016/1/19;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1399; Calibrated: 2015/11/23
- 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)

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 = 82.04 V/m; Power Drift = -0.01 dB

Applied MIF = 3.63 dB

RF audio interference level = 40.16 dBV/m

Emission category: M3

MIF scaled E-field

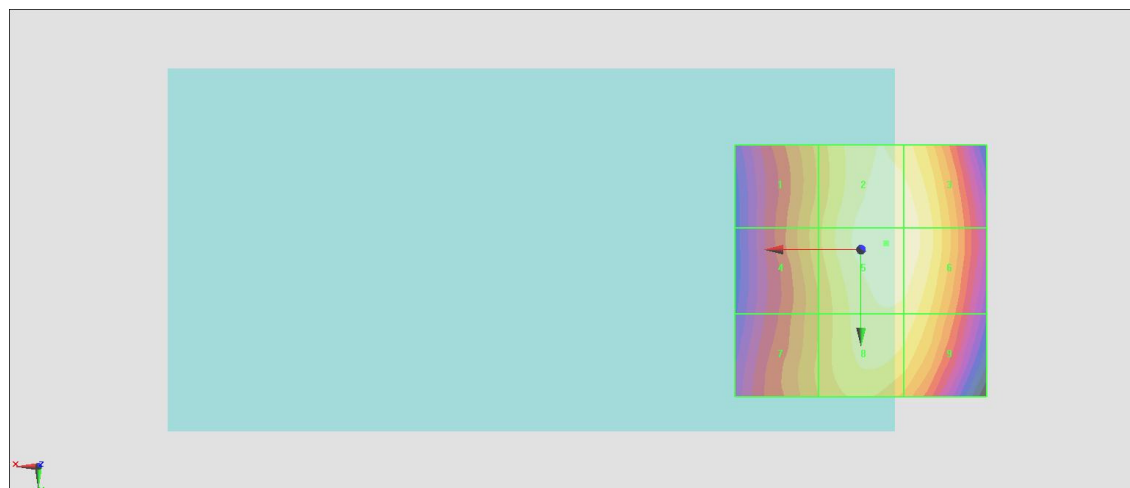
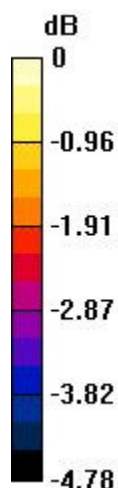
Grid 1 M4 39.12 dBV/m	Grid 2 M3 40.11 dBV/m	Grid 3 M3 40.08 dBV/m
Grid 4 M4 39.13 dBV/m	Grid 5 M3 40.16 dBV/m	Grid 6 M3 40.11 dBV/m
Grid 7 M4 38.96 dBV/m	Grid 8 M4 39.81 dBV/m	Grid 9 M4 39.74 dBV/m

Cursor:

Total = 40.16 dBV/m

E Category: M3

Location: -5, -1.3, 8.7 mm



0 dB = 101.9 V/m = 40.16 dBV/m

#02_HAC_E_GSM1900_GSM Voice_Ch512

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

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

Ambient Temperature : 23.2 °C

DASY5 Configuration

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2016/1/19;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1399; Calibrated: 2015/11/23
- 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)

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 = 11.63 V/m; Power Drift = 0.12 dB

Applied MIF = 3.63 dB

RF audio interference level = 33.05 dBV/m

Emission category: M3

MIF scaled E-field

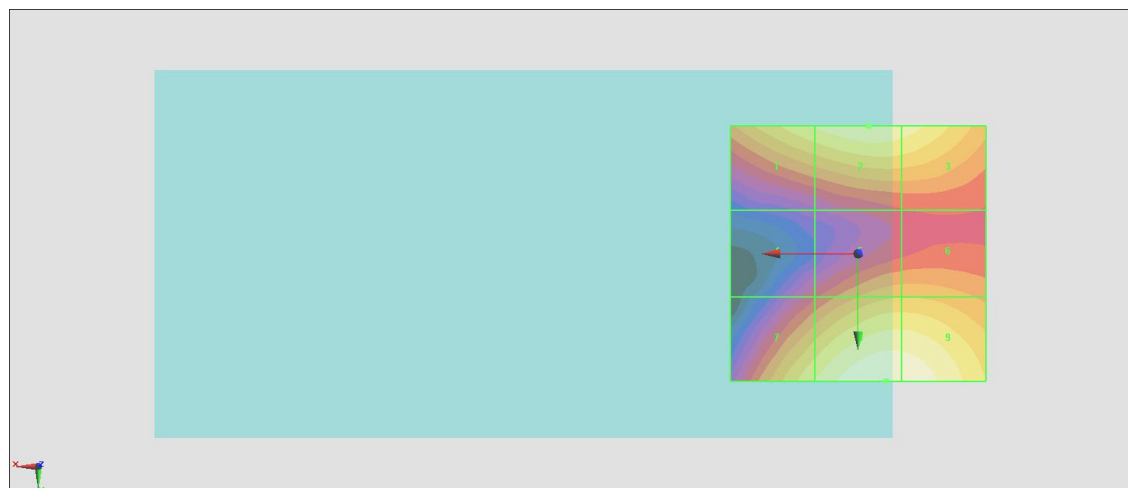
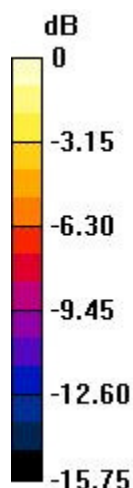
Grid 1 M3 31.11 dBV/m	Grid 2 M3 31.99 dBV/m	Grid 3 M3 31.6 dBV/m
Grid 4 M4 25.54 dBV/m	Grid 5 M4 28.83 dBV/m	Grid 6 M4 28.84 dBV/m
Grid 7 M3 31.03 dBV/m	Grid 8 M3 33.05 dBV/m	Grid 9 M3 32.94 dBV/m

Cursor:

Total = 33.05 dBV/m

E Category: M3

Location: -5.5, 25, 8.7 mm



0 dB = 44.94 V/m = 33.05 dBV/m

#03_HAC_E_CDMA BC0_ 1xRTT, RC1 SO3, 18th Rate_Ch1013;Battery 2

Communication System: CDMA2000, RC1, SO3, 1/8th Rate 25 fr.; Frequency: 824.7 MHz;Duty Cycle: 1:8.3

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

Ambient Temperature : 23.2 °C

DASY5 Configuration

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2016/1/19;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1399; Calibrated: 2015/11/23
- 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)

Ch1013/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 = 29.42 V/m; Power Drift = 0.14 dB

Applied MIF = 3.26 dB

RF audio interference level = 31.09 dBV/m

Emission category: M4

MIF scaled E-field

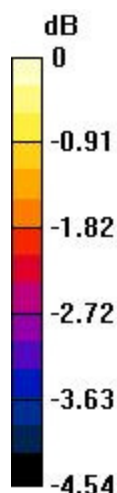
Grid 1 M4 29.86 dBV/m	Grid 2 M4 31.09 dBV/m	Grid 3 M4 30.84 dBV/m
Grid 4 M4 29.55 dBV/m	Grid 5 M4 30.97 dBV/m	Grid 6 M4 30.97 dBV/m
Grid 7 M4 29.43 dBV/m	Grid 8 M4 30.67 dBV/m	Grid 9 M4 30.66 dBV/m

Cursor:

Total = 31.09 dBV/m

E Category: M4

Location: 4, -25, 8.7 mm



0 dB = 35.87 V/m = 31.09 dBV/m

#04_HAC_E_CDMA BC1_1xRTT, RC1 SO3, 18th Rate_Ch25

Communication System: CDMA2000, RC1, SO3, 1/8th Rate 25 fr.; Frequency: 1851.25 MHz; Duty Cycle: 1:8.3

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

Ambient Temperature : 23.2 °C

DASY5 Configuration

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2016/1/19;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1399; Calibrated: 2015/11/23
- 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)

Ch25/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 = 7.097 V/m; Power Drift = 0.18 dB

Applied MIF = 3.26 dB

RF audio interference level = 27.64 dBV/m

Emission category: M4

MIF scaled E-field

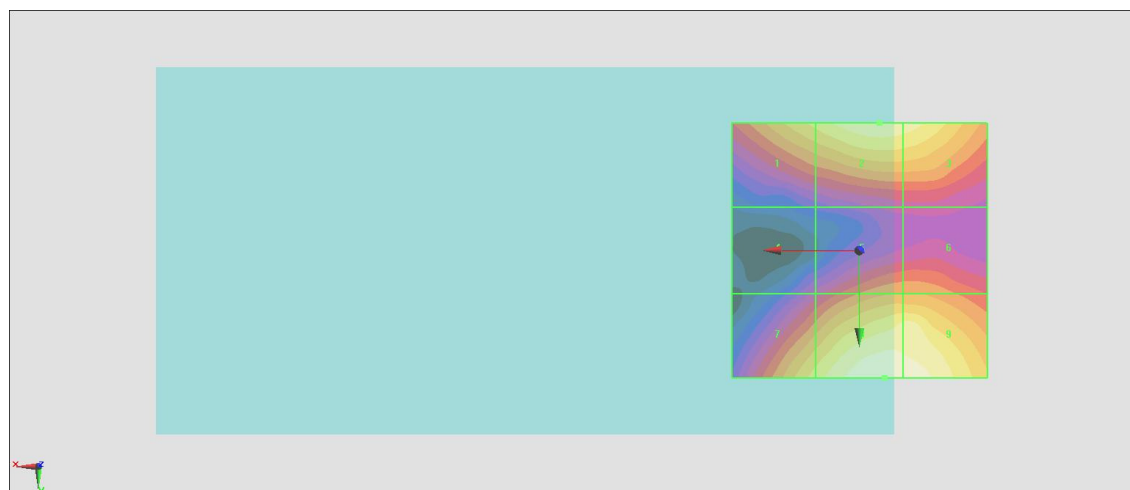
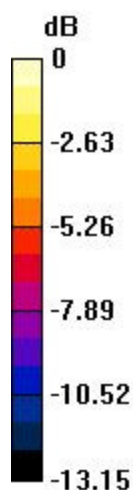
Grid 1 M4 25.36 dBV/m	Grid 2 M4 26.66 dBV/m	Grid 3 M4 26.45 dBV/m
Grid 4 M4 20.22 dBV/m	Grid 5 M4 23.36 dBV/m	Grid 6 M4 23.36 dBV/m
Grid 7 M4 25.5 dBV/m	Grid 8 M4 27.64 dBV/m	Grid 9 M4 27.45 dBV/m

Cursor:

Total = 27.64 dBV/m

E Category: M4

Location: -5, 25, 8.7 mm



0 dB = 24.10 V/m = 27.64 dBV/m

#05_HAC_E_CDMA BC10_1xRTT, RC1 SO3, 18th Rate_Ch684

Communication System: CDMA2000, RC1, SO3, 1/8th Rate 25 fr.; Frequency: 823.1 MHz; Duty Cycle: 1:8.3

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

Ambient Temperature : 23.2 °C

DASY5 Configuration

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2016/1/19;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1399; Calibrated: 2015/11/23
- 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)

Ch684/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 = 27.31 V/m; Power Drift = 0.12 dB

Applied MIF = 3.26 dB

RF audio interference level = 30.77 dBV/m

Emission category: M4

MIF scaled E-field

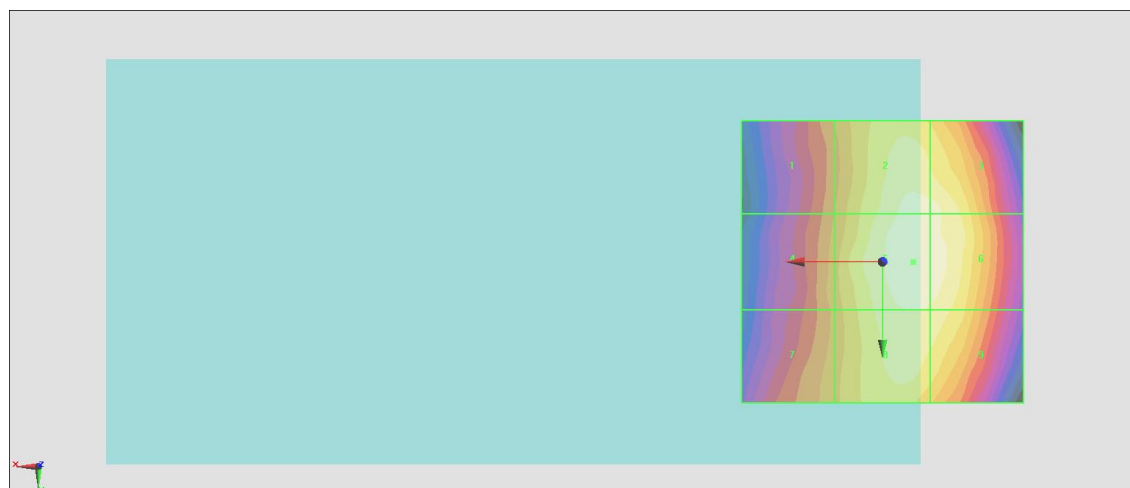
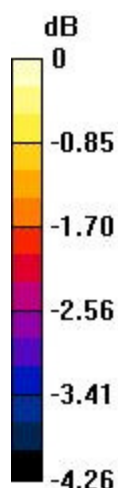
Grid 1 M4 29.39 dBV/m	Grid 2 M4 30.6 dBV/m	Grid 3 M4 30.57 dBV/m
Grid 4 M4 29.54 dBV/m	Grid 5 M4 30.77 dBV/m	Grid 6 M4 30.69 dBV/m
Grid 7 M4 29.56 dBV/m	Grid 8 M4 30.48 dBV/m	Grid 9 M4 30.45 dBV/m

Cursor:

Total = 30.77 dBV/m

E Category: M4

Location: -5.5, 0, 8.7 mm



0 dB = 34.54 V/m = 30.77 dBV/m

#06_HAC_E_LTE Band 41_20M_QPSK_1_0_Ch40185;Battery 2

Communication System: LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK); Frequency: 2549.5 MHz; Duty Cycle: 1:1.59

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

Ambient Temperature : 23.2 °C

DASY5 Configuration

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2016/1/19;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1399; Calibrated: 2015/11/23
- 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)

Ch40185/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 = 18.30 V/m; Power Drift = 0.00 dB

Applied MIF = -1.62 dB

RF audio interference level = 25.82 dBV/m

Emission category: M4

MIF scaled E-field

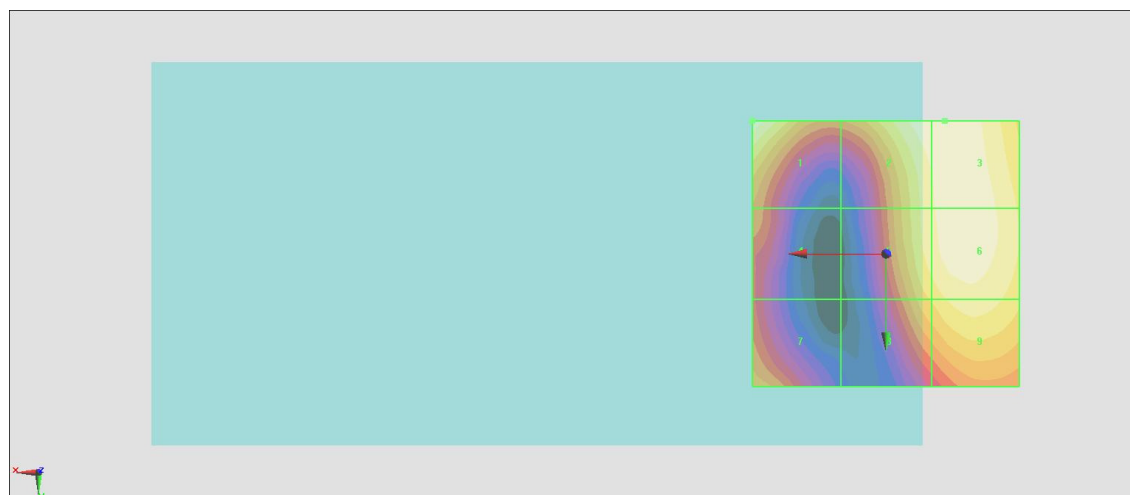
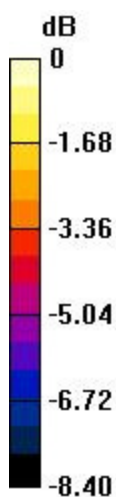
Grid 1 M4 25.67 dBV/m	Grid 2 M4 25.75 dBV/m	Grid 3 M4 25.82 dBV/m
Grid 4 M4 22.98 dBV/m	Grid 5 M4 25.14 dBV/m	Grid 6 M4 25.69 dBV/m
Grid 7 M4 23.35 dBV/m	Grid 8 M4 24.23 dBV/m	Grid 9 M4 25.04 dBV/m

Cursor:

Total = 25.82 dBV/m

E Category: M4

Location: -11, -25, 8.7 mm



0 dB = 19.54 V/m = 25.82 dBV/m

#07_HAC_E_LTE Band 41_20M_16QAM_1_0_Ch40185

Communication System: LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 2549.5 MHz; Duty Cycle: 1:1.59

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

Ambient Temperature : 23.2 °C

DASY5 Configuration

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2016/1/19;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1399; Calibrated: 2015/11/23
- 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)

Ch40185/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 = 16.60 V/m; Power Drift = 0.04 dB

Applied MIF = -1.44 dB

RF audio interference level = 25.57 dBV/m

Emission category: M4

MIF scaled E-field

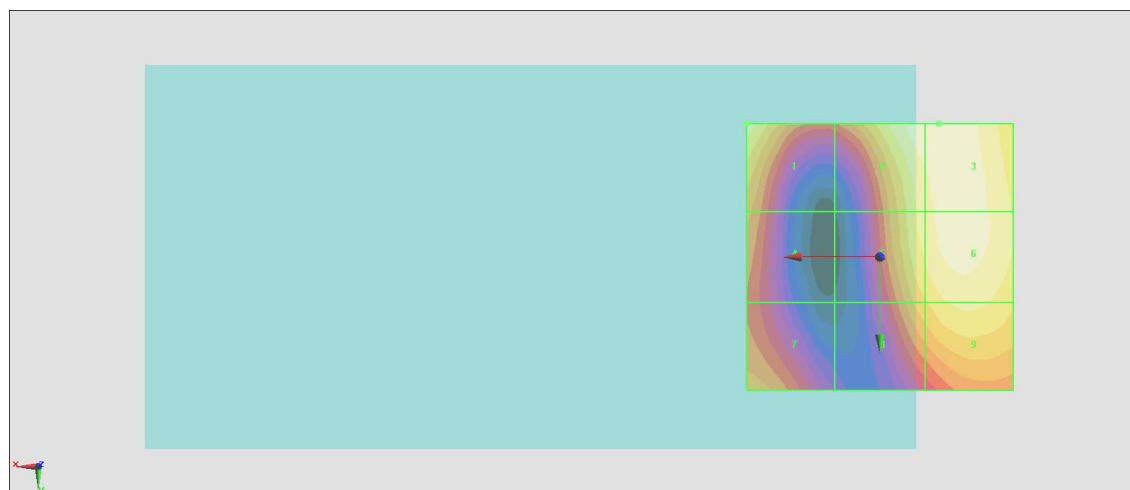
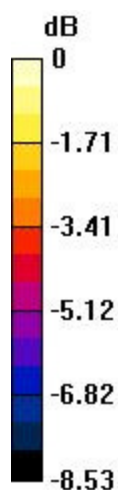
Grid 1 M4 24.9 dBV/m	Grid 2 M4 25.49 dBV/m	Grid 3 M4 25.57 dBV/m
Grid 4 M4 22.91 dBV/m	Grid 5 M4 24.74 dBV/m	Grid 6 M4 25.33 dBV/m
Grid 7 M4 23.07 dBV/m	Grid 8 M4 23.79 dBV/m	Grid 9 M4 24.6 dBV/m

Cursor:

Total = 25.57 dBV/m

E Category: M4

Location: -11, -25, 8.7 mm



0 dB = 18.99 V/m = 25.57 dBV/m