#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, $\varepsilon_r = 1$; $\rho = 0$ kg/m^3
Ambient Temperature：23.5 ℃

DASY5 Configuration
- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2016/1/19;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn577; Calibrated: 2015/9/24
- 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/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 = 41.07 V/m; Power Drift = -0.03 dB
Applied MIF = 3.63 dB
RF audio interference level = 33.99 dBV/m
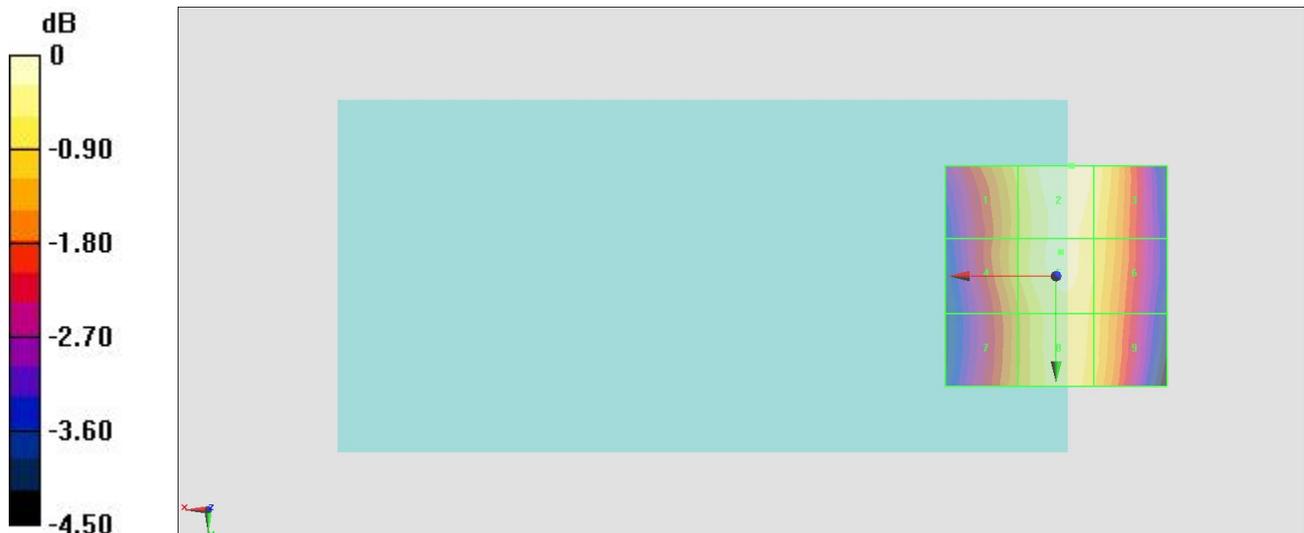**Emission category: M4**

MIF scaled E-field

Grid 1 **M4** **33.26 dBV/m**	Grid 2 **M4** **33.99 dBV/m**	Grid 3 **M4** **33.66 dBV/m**
Grid 4 **M4** **33.11 dBV/m**	Grid 5 **M4** **33.8 dBV/m**	Grid 6 **M4** **33.44 dBV/m**
Grid 7 **M4** **32.81 dBV/m**	Grid 8 **M4** **33.61 dBV/m**	Grid 9 **M4** **33.28 dBV/m**

Cursor:
Total = 33.99 dBV/m
E Category: M4
Location: -3.5, -25, 8.7 mm

0 dB = 50.06 V/m = 33.99 dBV/m

#02_HAC_E_GSM850_GSM Voice_Ch189

Communication System: GSM-FDD (TDMA, GMSK); Frequency: 836.4 MHz;Duty Cycle: 1:8.6896

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

Ambient Temperature：23.5 ℃

DASY5 Configuration
- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2016/1/19;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn577; Calibrated: 2015/9/24
- 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/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 = 41.04 V/m; Power Drift = 0.00 dB

Applied MIF = 3.63 dB

RF audio interference level = 34.15 dBV/m

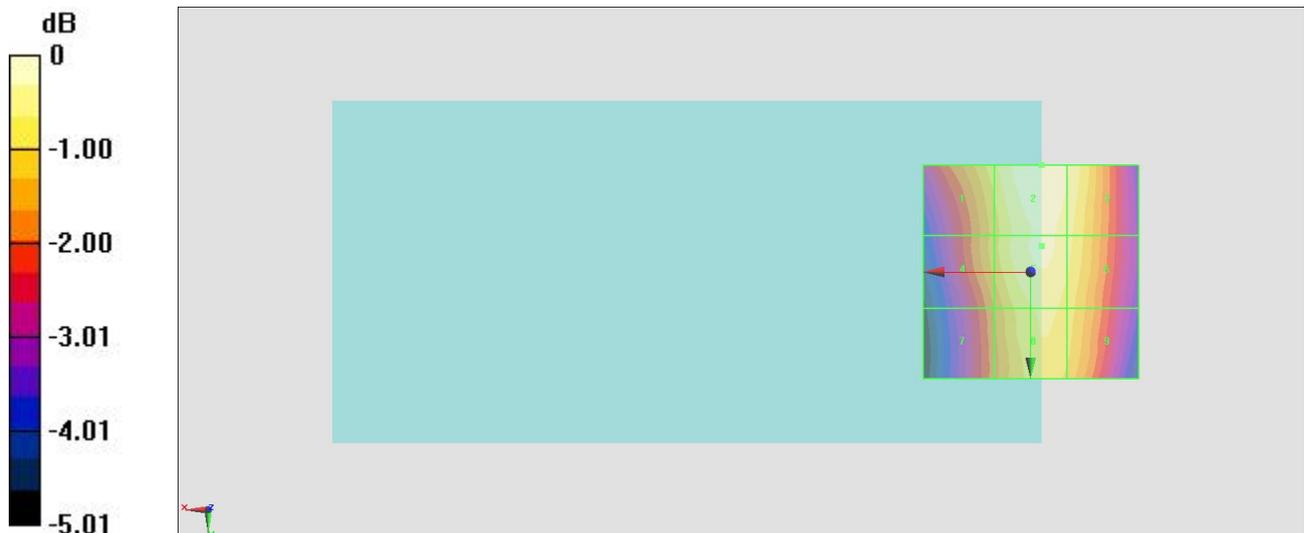**Emission category: M4**

MIF scaled E-field

Grid 1 **M4** **33.4 dBV/m**	Grid 2 **M4** **34.15 dBV/m**	Grid 3 **M4** **33.88 dBV/m**
Grid 4 **M4** **33.02 dBV/m**	Grid 5 **M4** **33.89 dBV/m**	Grid 6 **M4** **33.62 dBV/m**
Grid 7 **M4** **32.5 dBV/m**	Grid 8 **M4** **33.57 dBV/m**	Grid 9 **M4** **33.34 dBV/m**

Cursor:
Total = 34.15 dBV/m
E Category: M4
Location: -2.5, -25, 8.7 mm

0 dB = 51.02 V/m = 34.15 dBV/m

#03_HAC_E_GSM850_GSM Voice_Ch251

Communication System: GSM-FDD (TDMA, GMSK); Frequency: 848.8 MHz;Duty Cycle: 1:8.6896
Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\varepsilon_r = 1$; $\rho = 0$ kg/m^3
Ambient Temperature：23.5 ℃

DASY5 Configuration
- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2016/1/19;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn577; Calibrated: 2015/9/24
- 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/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 = 42.97 V/m; Power Drift = 0.00 dB
Applied MIF = 3.63 dB
RF audio interference level = 34.64 dBV/m
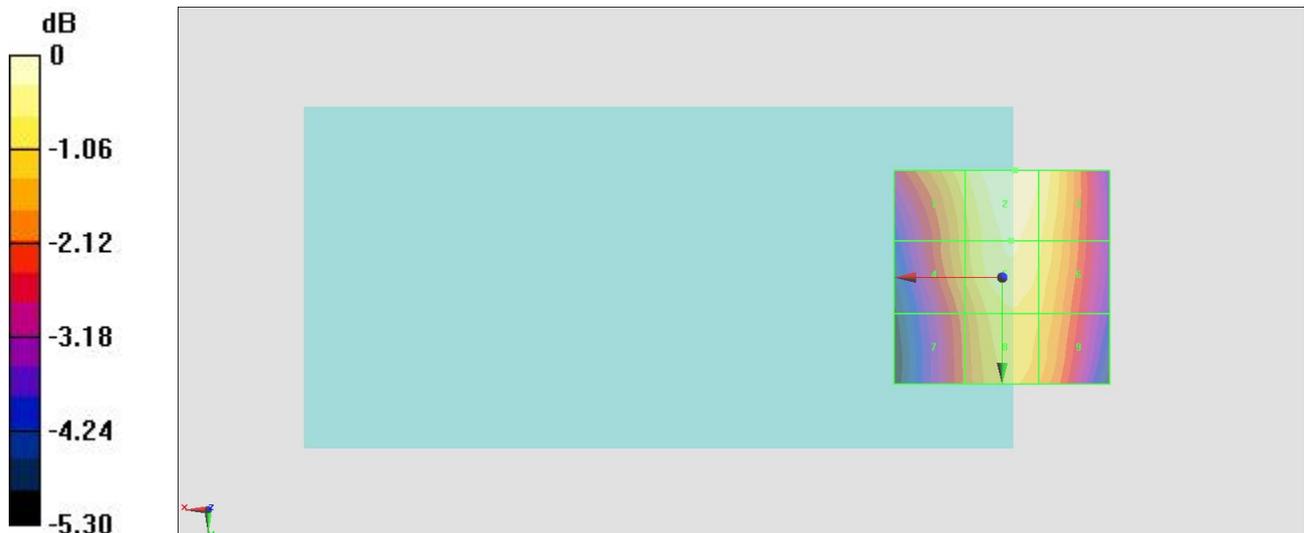**Emission category: M4**

MIF scaled E-field

Grid 1 **M4** **33.92 dBV/m**	Grid 2 **M4** **34.64 dBV/m**	Grid 3 **M4** **34.33 dBV/m**
Grid 4 **M4** **33.45 dBV/m**	Grid 5 **M4** **34.32 dBV/m**	Grid 6 **M4** **33.98 dBV/m**
Grid 7 **M4** **32.83 dBV/m**	Grid 8 **M4** **33.9 dBV/m**	Grid 9 **M4** **33.63 dBV/m**

Cursor:
Total = 34.64 dBV/m
E Category: M4
Location: -3, -25, 8.7 mm

0 dB = 53.93 V/m = 34.64 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: σ = 0 S/m, ε_r = 1; ρ = 0 kg/m^3
Ambient Temperature：23.5 ℃

DASY5 Configuration
- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2016/1/19;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn577; Calibrated: 2015/9/24
- 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/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 = 9.400 V/m; Power Drift = 0.09 dB
Applied MIF = 3.63 dB
RF audio interference level = 28.74 dBV/m
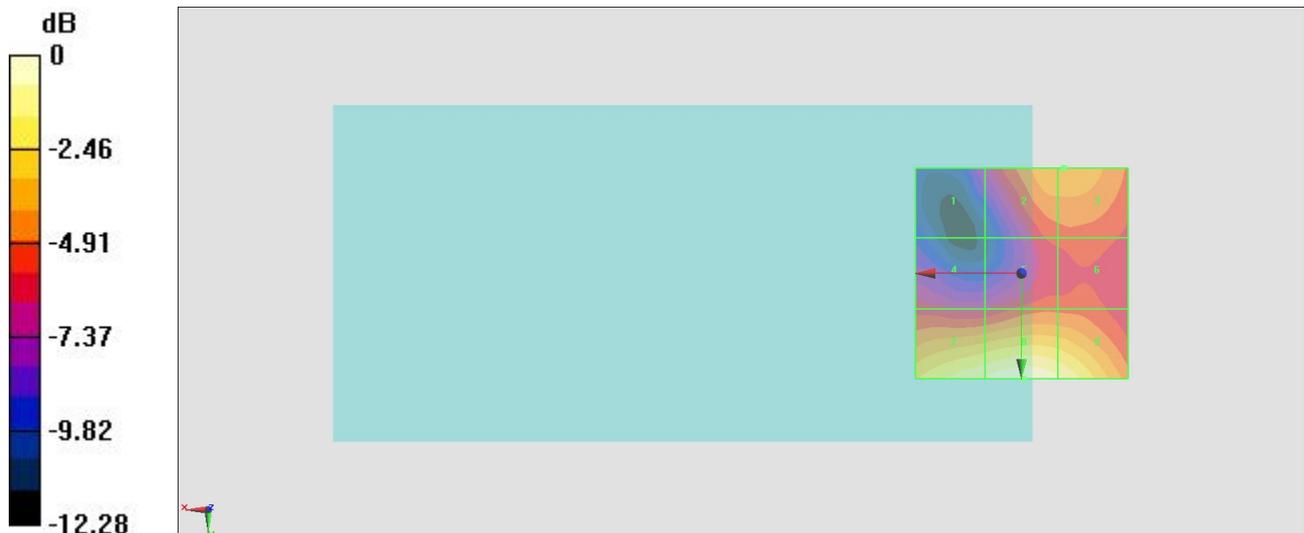**Emission category: M4**

MIF scaled E-field

Grid 1 **M4** 21.63 dBV/m	Grid 2 **M4** 25.43 dBV/m	Grid 3 **M4** 25.45 dBV/m
Grid 4 **M4** 22.73 dBV/m	Grid 5 **M4** 23.69 dBV/m	Grid 6 **M4** 23.67 dBV/m
Grid 7 **M4** 28.03 dBV/m	Grid 8 **M4** 28.74 dBV/m	Grid 9 **M4** 28.16 dBV/m

Cursor:
Total = 28.74 dBV/m
E Category: M4
Location: -0.5, 25, 8.7 mm

0 dB = 27.35 V/m = 28.74 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: $\sigma = 0$ S/m, $\varepsilon_r = 1$; $\rho = 0$ kg/m^3

Ambient Temperature：23.5 ℃

DASY5 Configuration
- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2016/1/19;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn577; Calibrated: 2015/9/24
- 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/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 = 8.946 V/m; Power Drift = -0.13 dB

Applied MIF = 3.63 dB

RF audio interference level = 28.90 dBV/m

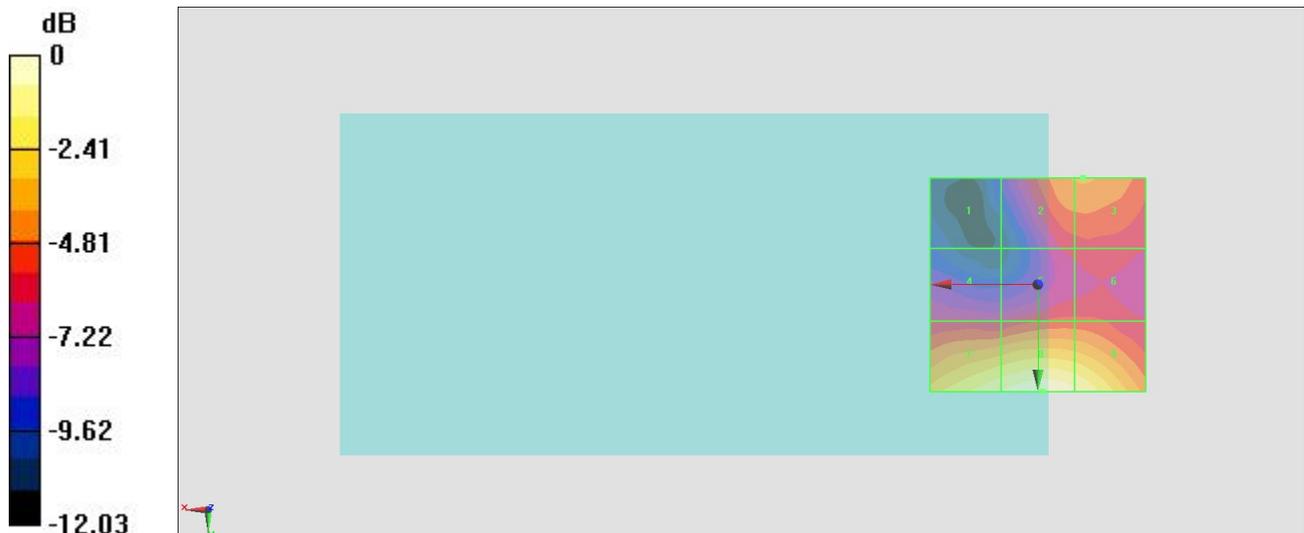**Emission category: M4**

MIF scaled E-field

Grid 1 **M4** 20.3 dBV/m	Grid 2 **M4** 24.98 dBV/m	Grid 3 **M4** 25.06 dBV/m
Grid 4 **M4** 22.66 dBV/m	Grid 5 **M4** 23.6 dBV/m	Grid 6 **M4** 23.6 dBV/m
Grid 7 **M4** 28.14 dBV/m	Grid 8 **M4** 28.9 dBV/m	Grid 9 **M4** 28.39 dBV/m

Cursor:
Total = 28.90 dBV/m
E Category: M4
Location: -1, 25, 8.7 mm

0 dB = 27.87 V/m = 28.90 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, $\varepsilon_r = 1$; $\rho = 0$ kg/m^3
Ambient Temperature：23.5 ℃

DASY5 Configuration
- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2016/1/19;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn577; Calibrated: 2015/9/24
- 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/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 = 8.422 V/m; Power Drift = -0.11 dB
Applied MIF = 3.63 dB
RF audio interference level = 28.01 dBV/m
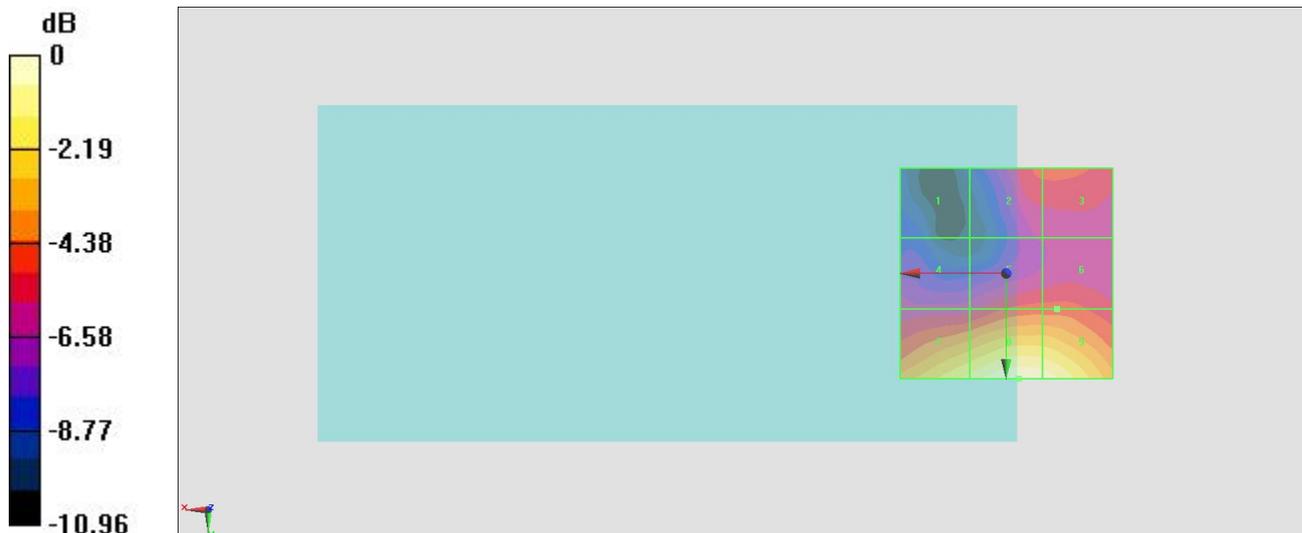**Emission category: M4**

MIF scaled E-field

Grid 1 **M4** **19.89 dBV/m**	Grid 2 **M4** **23.1 dBV/m**	Grid 3 **M4** **23.2 dBV/m**
Grid 4 **M4** **22.01 dBV/m**	Grid 5 **M4** **23.31 dBV/m**	Grid 6 **M4** **23.32 dBV/m**
Grid 7 **M4** **26.92 dBV/m**	Grid 8 **M4** **28.01 dBV/m**	Grid 9 **M4** **27.78 dBV/m**

Cursor:
Total = 28.01 dBV/m
E Category: M4
Location: -3, 25, 8.7 mm

0 dB = 25.15 V/m = 28.01 dBV/m