

## #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,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>

Ambient Temperature : 23.3 °C

DASY5 Configuration:

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2018/1/19;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn854; Calibrated: 2018/6/14
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

### 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 = 53.58 V/m; Power Drift = -0.01 dB

Applied MIF = 3.63 dB

RF audio interference level = 36.70 dBV/m

**Emission category: M4**

MIF scaled E-field

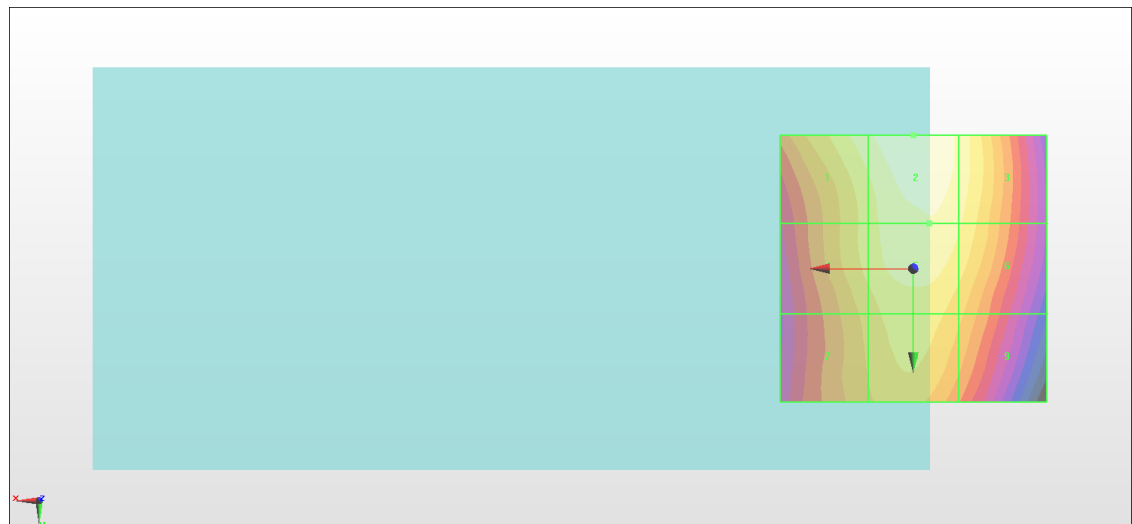
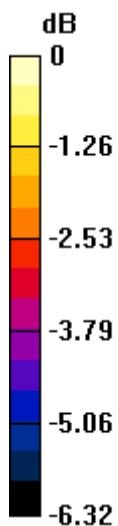
Grid 1 <b>M4</b> <b>36.21 dBV/m</b>	Grid 2 <b>M4</b> <b>36.7 dBV/m</b>	Grid 3 <b>M4</b> <b>36.19 dBV/m</b>
Grid 4 <b>M4</b> <b>35.66 dBV/m</b>	Grid 5 <b>M4</b> <b>36.24 dBV/m</b>	Grid 6 <b>M4</b> <b>35.92 dBV/m</b>
Grid 7 <b>M4</b> <b>35.2 dBV/m</b>	Grid 8 <b>M4</b> <b>35.69 dBV/m</b>	Grid 9 <b>M4</b> <b>35.15 dBV/m</b>

**Cursor:**

Total = 36.70 dBV/m

E Category: M4

Location: 0, -25, 8.7 mm



0 dB = 68.39 V/m = 36.70 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,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>

Ambient Temperature : 23.3 °C

DASY5 Configuration:

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2018/1/19;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn854; Calibrated: 2018/6/14
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

### 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 = 56.06 V/m; Power Drift = 0.01 dB

Applied MIF = 3.63 dB

RF audio interference level = 37.60 dBV/m

**Emission category: M4**

MIF scaled E-field

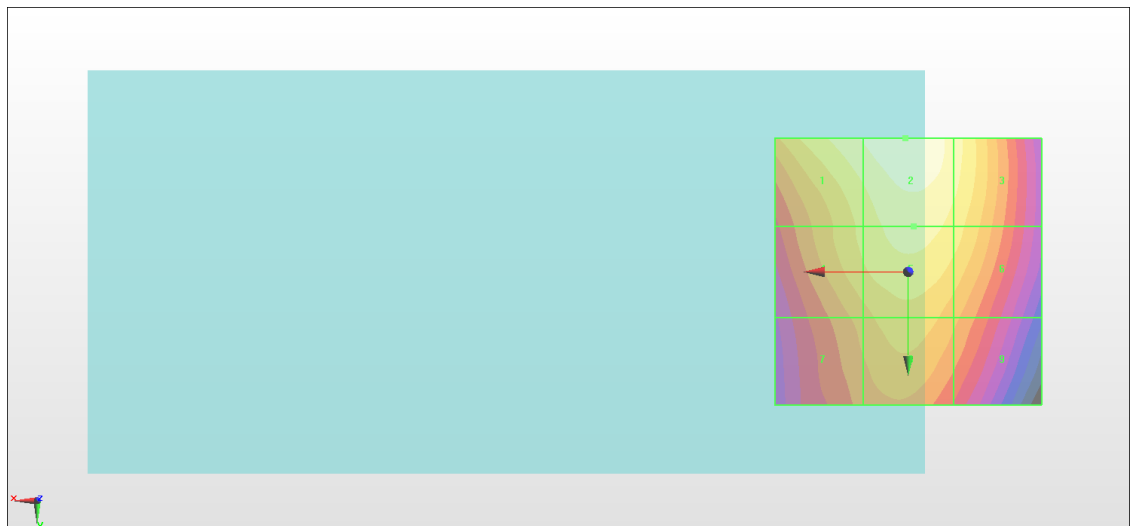
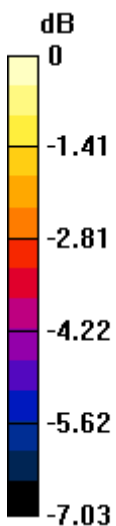
Grid 1 <b>M4</b> <b>37.18 dBV/m</b>	Grid 2 <b>M4</b> <b>37.6 dBV/m</b>	Grid 3 <b>M4</b> <b>36.95 dBV/m</b>
Grid 4 <b>M4</b> <b>36.34 dBV/m</b>	Grid 5 <b>M4</b> <b>36.86 dBV/m</b>	Grid 6 <b>M4</b> <b>36.46 dBV/m</b>
Grid 7 <b>M4</b> <b>35.52 dBV/m</b>	Grid 8 <b>M4</b> <b>36.02 dBV/m</b>	Grid 9 <b>M4</b> <b>35.42 dBV/m</b>

**Cursor:**

Total = 37.60 dBV/m

E Category: M4

Location: 0.5, -25, 8.7 mm



0 dB = 75.84 V/m = 37.60 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,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>

Ambient Temperature : 23.3 °C

DASY5 Configuration:

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2018/1/19;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn854; Calibrated: 2018/6/14
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

### 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 = 51.65 V/m; Power Drift = -0.02 dB

Applied MIF = 3.63 dB

RF audio interference level = 36.74 dBV/m

**Emission category: M4**

MIF scaled E-field

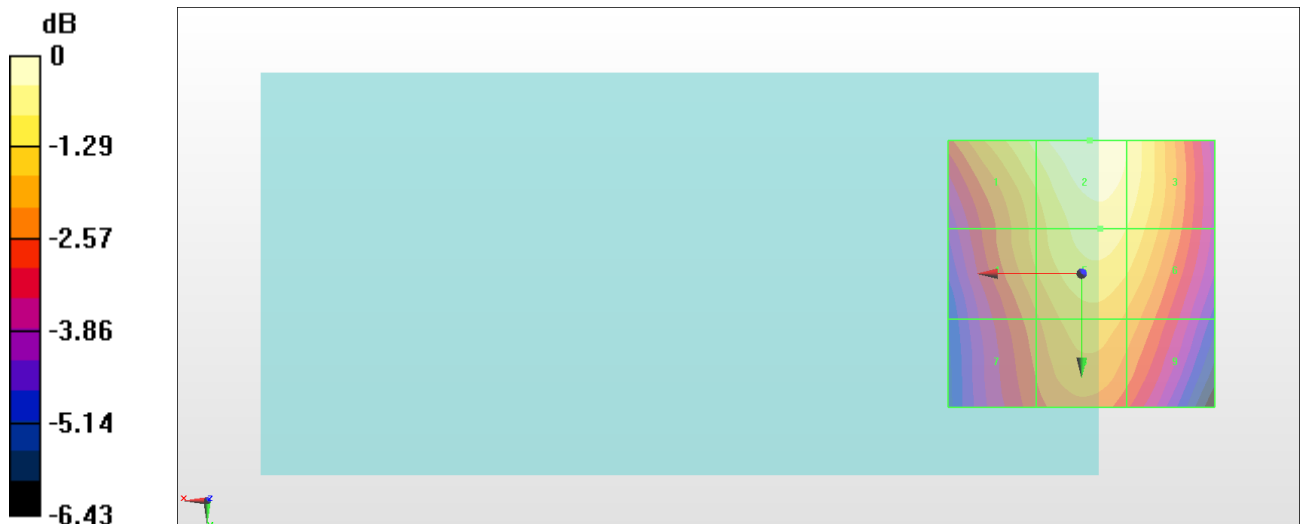
Grid 1 <b>M4</b> <b>36.06 dBV/m</b>	Grid 2 <b>M4</b> <b>36.74 dBV/m</b>	Grid 3 <b>M4</b> <b>36.3 dBV/m</b>
Grid 4 <b>M4</b> <b>35.22 dBV/m</b>	Grid 5 <b>M4</b> <b>36.12 dBV/m</b>	Grid 6 <b>M4</b> <b>35.88 dBV/m</b>
Grid 7 <b>M4</b> <b>34.53 dBV/m</b>	Grid 8 <b>M4</b> <b>35.3 dBV/m</b>	Grid 9 <b>M4</b> <b>34.94 dBV/m</b>

**Cursor:**

Total = 36.74 dBV/m

E Category: M4

Location: -1.5, -25, 8.7 mm



0 dB = 68.74 V/m = 36.74 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,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>

Ambient Temperature : 23.3 °C

DASY5 Configuration:

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2018/1/19;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn854; Calibrated: 2018/6/14
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

### 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 = 5.170 V/m; Power Drift = -0.03 dB

Applied MIF = 3.63 dB

RF audio interference level = 24.93 dBV/m

**Emission category: M4**

MIF scaled E-field

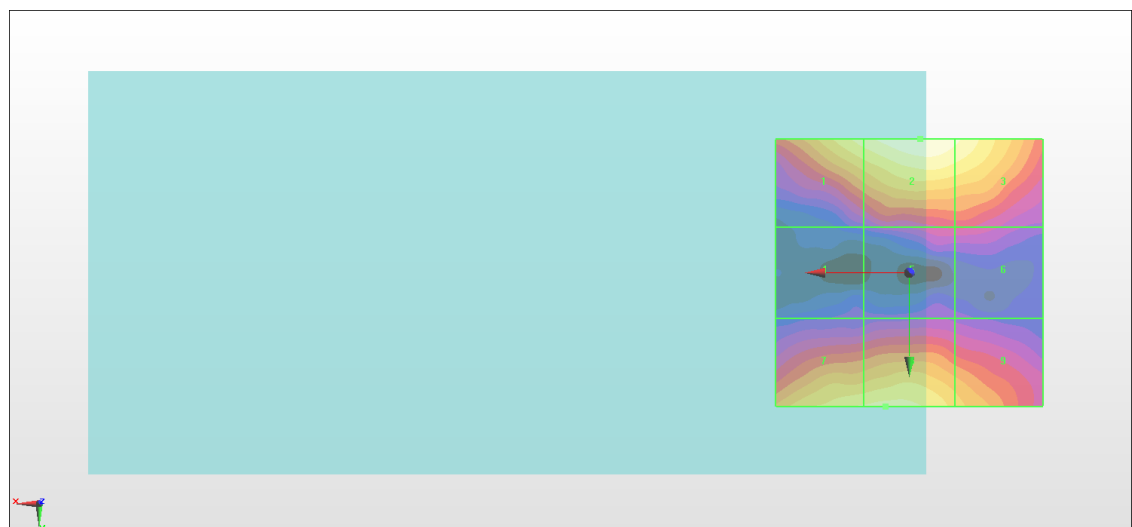
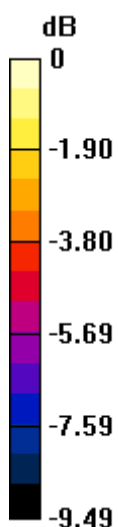
Grid 1 <b>M4</b> <b>24.03 dBV/m</b>	Grid 2 <b>M4</b> <b>24.93 dBV/m</b>	Grid 3 <b>M4</b> <b>24.46 dBV/m</b>
Grid 4 <b>M4</b> <b>18.25 dBV/m</b>	Grid 5 <b>M4</b> <b>19.98 dBV/m</b>	Grid 6 <b>M4</b> <b>19.98 dBV/m</b>
Grid 7 <b>M4</b> <b>23.76 dBV/m</b>	Grid 8 <b>M4</b> <b>23.91 dBV/m</b>	Grid 9 <b>M4</b> <b>22.76 dBV/m</b>

**Cursor:**

Total = 24.93 dBV/m

E Category: M4

Location: -2, -25, 8.7 mm



0 dB = 17.63 V/m = 24.93 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,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>

Ambient Temperature : 23.3 °C

DASY5 Configuration:

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2018/1/19;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn854; Calibrated: 2018/6/14
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

### 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 = 5.139 V/m; Power Drift = -0.10 dB

Applied MIF = 3.63 dB

RF audio interference level = 25.32 dBV/m

**Emission category: M4**

MIF scaled E-field

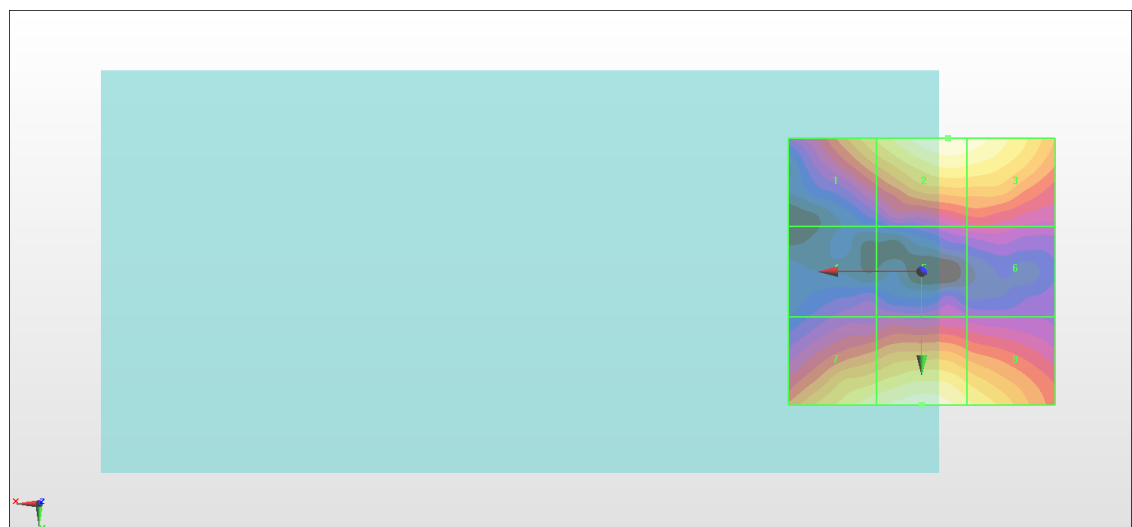
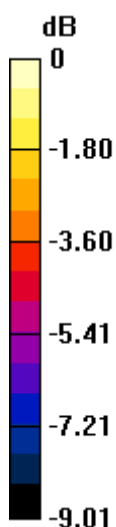
Grid 1 <b>M4</b> <b>23.63 dBV/m</b>	Grid 2 <b>M4</b> <b>25.32 dBV/m</b>	Grid 3 <b>M4</b> <b>25.15 dBV/m</b>
Grid 4 <b>M4</b> <b>19.75 dBV/m</b>	Grid 5 <b>M4</b> <b>20.3 dBV/m</b>	Grid 6 <b>M4</b> <b>20.46 dBV/m</b>
Grid 7 <b>M4</b> <b>24.61 dBV/m</b>	Grid 8 <b>M4</b> <b>25.11 dBV/m</b>	Grid 9 <b>M4</b> <b>24.32 dBV/m</b>

**Cursor:**

Total = 25.32 dBV/m

E Category: M4

Location: -5, -25, 8.7 mm



0 dB = 18.45 V/m = 25.32 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,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>

Ambient Temperature : 23.3 °C

DASY5 Configuration:

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2018/1/19;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn854; Calibrated: 2018/6/14
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

### 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 = 5.877 V/m; Power Drift = -0.08 dB

Applied MIF = 3.63 dB

RF audio interference level = 26.33 dBV/m

**Emission category: M4**

MIF scaled E-field

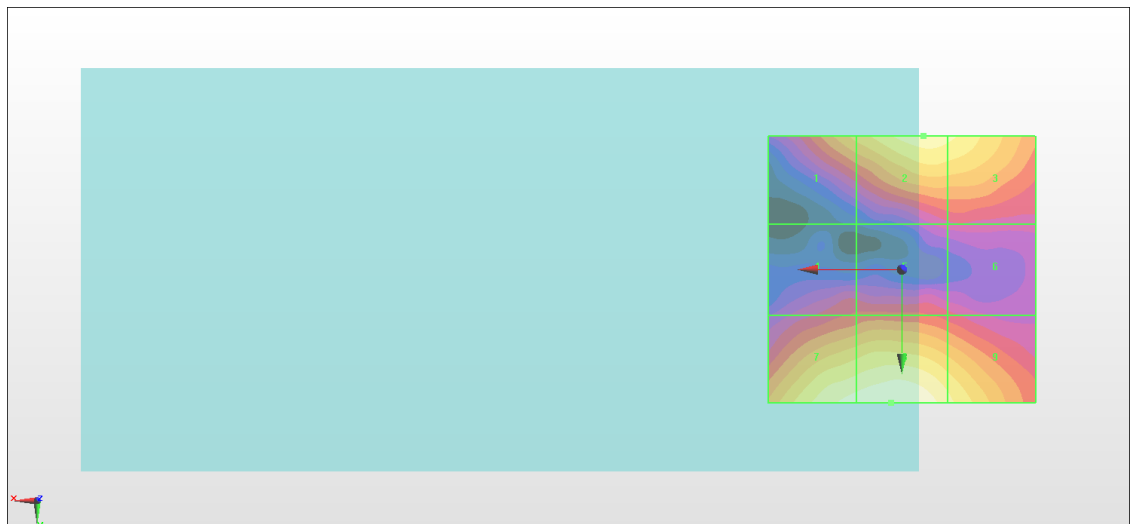
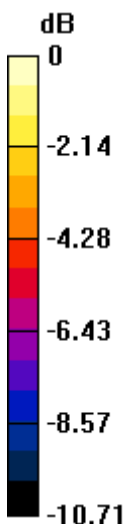
Grid 1 <b>M4</b> <b>23.8 dBV/m</b>	Grid 2 <b>M4</b> <b>25.3 dBV/m</b>	Grid 3 <b>M4</b> <b>25.1 dBV/m</b>
Grid 4 <b>M4</b> <b>21.51 dBV/m</b>	Grid 5 <b>M4</b> <b>21.64 dBV/m</b>	Grid 6 <b>M4</b> <b>20.97 dBV/m</b>
Grid 7 <b>M4</b> <b>26.03 dBV/m</b>	Grid 8 <b>M4</b> <b>26.33 dBV/m</b>	Grid 9 <b>M4</b> <b>25.2 dBV/m</b>

**Cursor:**

Total = 26.33 dBV/m

E Category: M4

Location: 2, 25, 8.7 mm



0 dB = 20.74 V/m = 26.34 dBV/m