

**#06 HAC\_E\_GSM850\_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/m<sup>3</sup>

Ambient Temperature : 23.6 °C

**DASY5 Configuration**

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2015/1/26;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn778; Calibrated: 2015/8/25
- 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 = 56.78 V/m; Power Drift = -0.05 dB

Applied MIF = 3.63 dB

RF audio interference level = 37.21 dBV/m

**Emission category: M4**

MIF scaled E-field

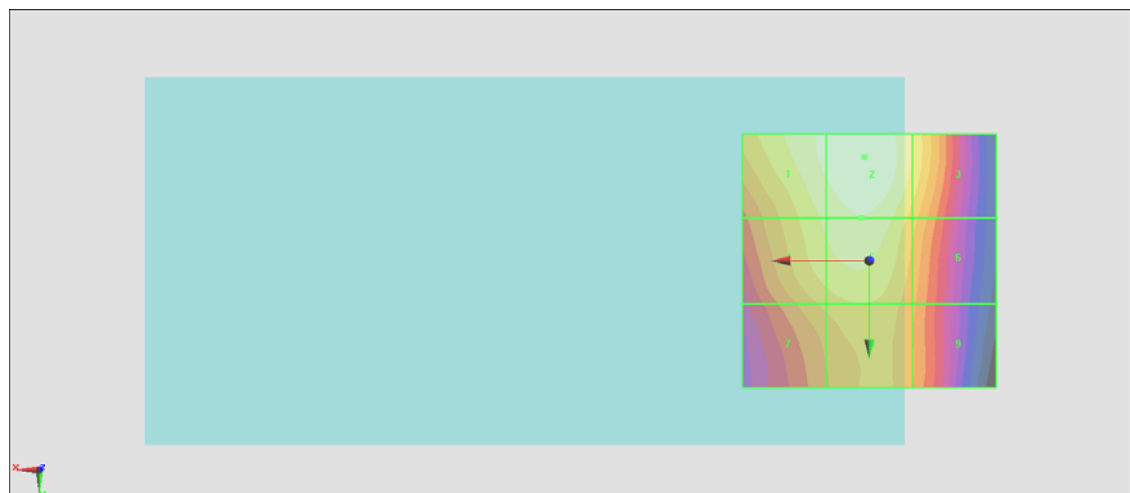
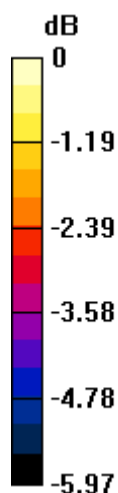
Grid 1 <b>M4</b> <b>36.93 dBV/m</b>	Grid 2 <b>M4</b> <b>37.21 dBV/m</b>	Grid 3 <b>M4</b> <b>36.42 dBV/m</b>
Grid 4 <b>M4</b> <b>36.52 dBV/m</b>	Grid 5 <b>M4</b> <b>36.8 dBV/m</b>	Grid 6 <b>M4</b> <b>35.84 dBV/m</b>
Grid 7 <b>M4</b> <b>35.74 dBV/m</b>	Grid 8 <b>M4</b> <b>36.02 dBV/m</b>	Grid 9 <b>M4</b> <b>35.32 dBV/m</b>

**Cursor:**

Total = 37.21 dBV/m

E Category: M4

Location: 1, -20.5, 8.7 mm



0 dB = 72.55 V/m = 37.21 dBV/m

**#07\_HAC\_E\_GSM850\_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,  $\epsilon_r = 1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.6 °C

**DASY5 Configuration**

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2015/1/26;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn778; Calibrated: 2015/8/25
- 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 = 49.32 V/m; Power Drift = -0.05 dB

Applied MIF = 3.63 dB

RF audio interference level = 36.10 dBV/m

**Emission category: M4**

MIF scaled E-field

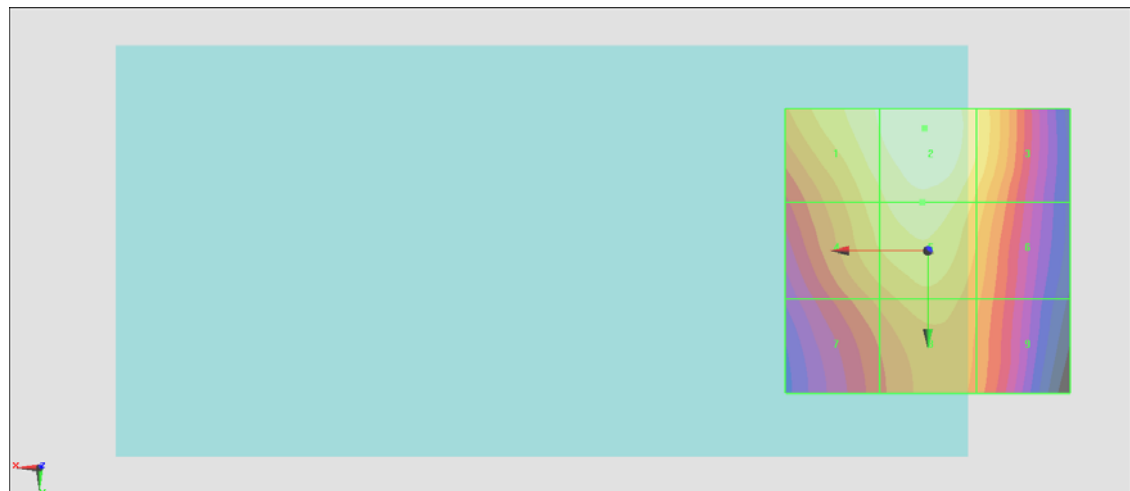
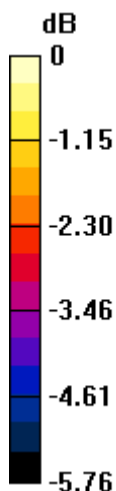
Grid 1 <b>M4</b> <b>35.77 dBV/m</b>	Grid 2 <b>M4</b> <b>36.1 dBV/m</b>	Grid 3 <b>M4</b> <b>35.42 dBV/m</b>
Grid 4 <b>M4</b> <b>35.22 dBV/m</b>	Grid 5 <b>M4</b> <b>35.61 dBV/m</b>	Grid 6 <b>M4</b> <b>34.85 dBV/m</b>
Grid 7 <b>M4</b> <b>34.33 dBV/m</b>	Grid 8 <b>M4</b> <b>34.79 dBV/m</b>	Grid 9 <b>M4</b> <b>34.28 dBV/m</b>

**Cursor:**

Total = 36.10 dBV/m

E Category: M4

Location: 0.5, -21.5, 8.7 mm



0 dB = 63.83 V/m = 36.10 dBV/m

**#08\_HAC\_E\_GSM850\_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,  $\epsilon_r = 1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.6 °C

**DASY5 Configuration**

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2015/1/26;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn778; Calibrated: 2015/8/25
- 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 = 48.85 V/m; Power Drift = -0.08 dB

Applied MIF = 3.63 dB

RF audio interference level = 35.90 dBV/m

**Emission category: M4**

MIF scaled E-field

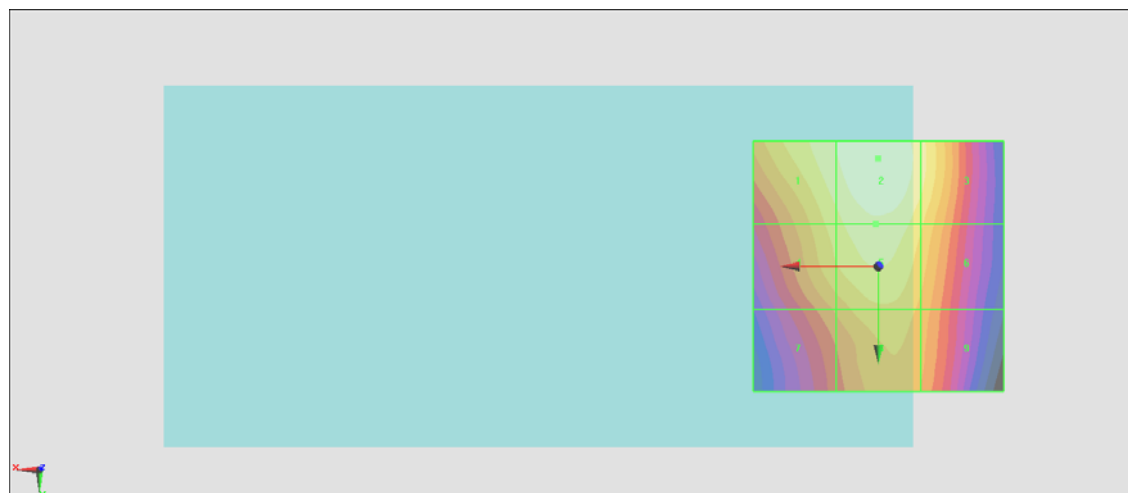
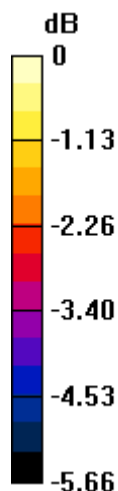
Grid 1 <b>M4</b> <b>35.54 dBV/m</b>	Grid 2 <b>M4</b> <b>35.9 dBV/m</b>	Grid 3 <b>M4</b> <b>35.33 dBV/m</b>
Grid 4 <b>M4</b> <b>35 dBV/m</b>	Grid 5 <b>M4</b> <b>35.46 dBV/m</b>	Grid 6 <b>M4</b> <b>34.84 dBV/m</b>
Grid 7 <b>M4</b> <b>34.11 dBV/m</b>	Grid 8 <b>M4</b> <b>34.71 dBV/m</b>	Grid 9 <b>M4</b> <b>34.29 dBV/m</b>

**Cursor:**

Total = 35.90 dBV/m

E Category: M4

Location: 0, -21.5, 8.7 mm



0 dB = 62.37 V/m = 35.90 dBV/m

**#09\_HAC\_E\_GSM1900\_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/m<sup>3</sup>

Ambient Temperature : 23.6 °C

**DASY5 Configuration**

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2015/1/26;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn778; Calibrated: 2015/8/25
- 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 = 15.66 V/m; Power Drift = 0.09 dB

Applied MIF = 3.63 dB

RF audio interference level = 28.17 dBV/m

**Emission category: M4**

MIF scaled E-field

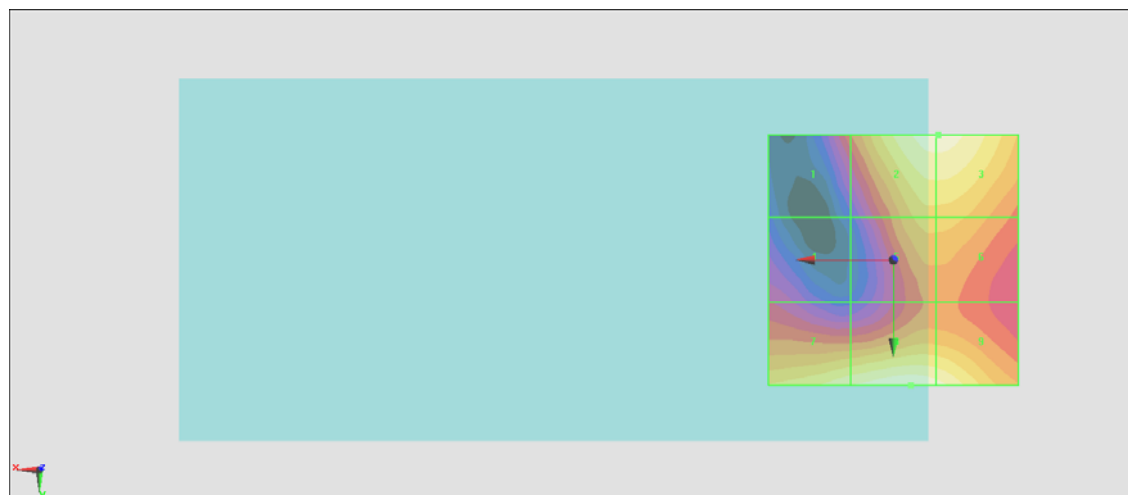
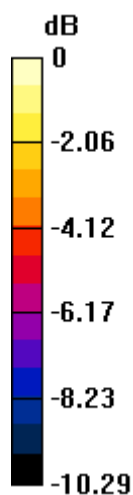
Grid 1 <b>M4</b> <b>24.07 dBV/m</b>	Grid 2 <b>M4</b> <b>27.82 dBV/m</b>	Grid 3 <b>M4</b> <b>27.82 dBV/m</b>
Grid 4 <b>M4</b> <b>22.79 dBV/m</b>	Grid 5 <b>M4</b> <b>25.83 dBV/m</b>	Grid 6 <b>M4</b> <b>25.81 dBV/m</b>
Grid 7 <b>M4</b> <b>27.46 dBV/m</b>	Grid 8 <b>M4</b> <b>28.17 dBV/m</b>	Grid 9 <b>M4</b> <b>27.83 dBV/m</b>

**Cursor:**

Total = 28.17 dBV/m

E Category: M4

Location: -3.5, 25, 8.7 mm



0 dB = 25.62 V/m = 28.17 dBV/m

**#10\_HAC\_E\_GSM1900\_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,  $\epsilon_r = 1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.6 °C

**DASY5 Configuration**

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2015/1/26;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn778; Calibrated: 2015/8/25
- 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 = 17.03 V/m; Power Drift = -0.04 dB

Applied MIF = 3.63 dB

RF audio interference level = 28.09 dBV/m

**Emission category: M4**

MIF scaled E-field

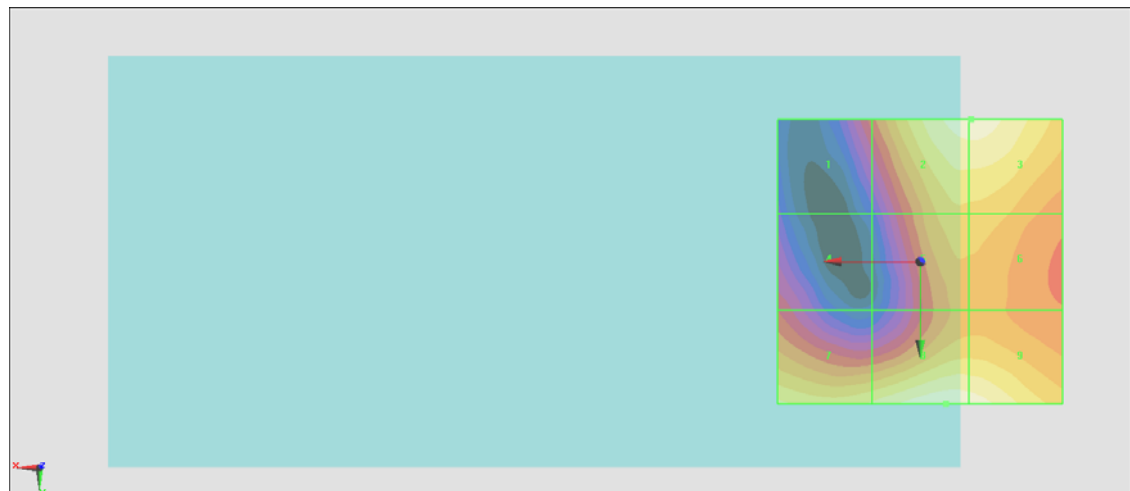
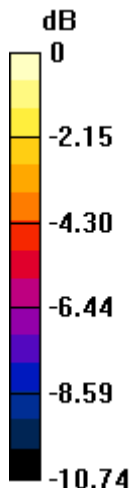
Grid 1 <b>M4</b> <b>23.51 dBV/m</b>	Grid 2 <b>M4</b> <b>27.73 dBV/m</b>	Grid 3 <b>M4</b> <b>27.74 dBV/m</b>
Grid 4 <b>M4</b> <b>23.08 dBV/m</b>	Grid 5 <b>M4</b> <b>25.8 dBV/m</b>	Grid 6 <b>M4</b> <b>25.76 dBV/m</b>
Grid 7 <b>M4</b> <b>26.88 dBV/m</b>	Grid 8 <b>M4</b> <b>28.09 dBV/m</b>	Grid 9 <b>M4</b> <b>27.91 dBV/m</b>

**Cursor:**

Total = 28.09 dBV/m

E Category: M4

Location: -4.5, 25, 8.7 mm



0 dB = 25.38 V/m = 28.09 dBV/m

**#11\_HAC\_E\_GSM1900\_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/m<sup>3</sup>

Ambient Temperature : 23.6 °C

**DASY5 Configuration**

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2015/1/26;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn778; Calibrated: 2015/8/25
- 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 = 17.18 V/m; Power Drift = -0.11 dB

Applied MIF = 3.63 dB

RF audio interference level = 28.09 dBV/m

**Emission category: M4**

MIF scaled E-field

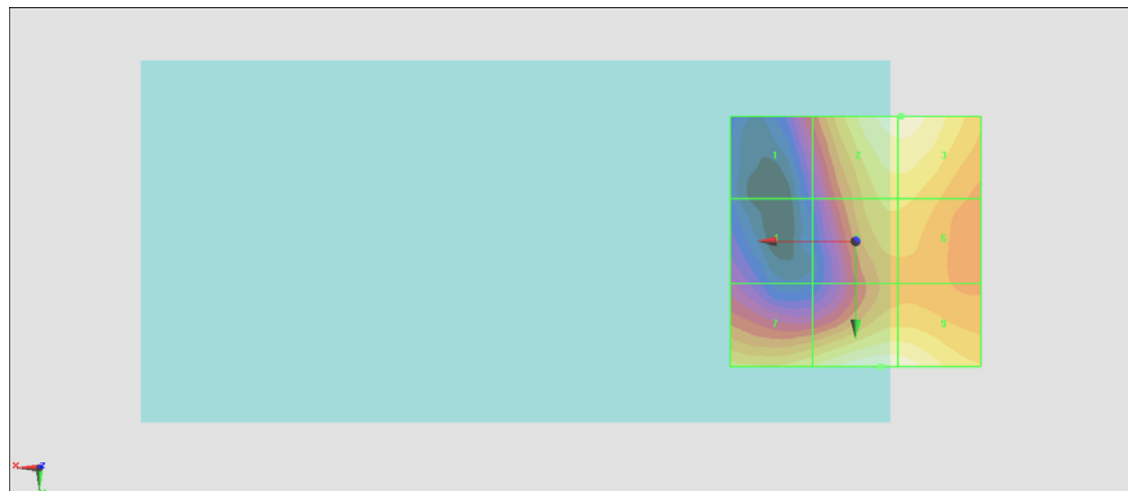
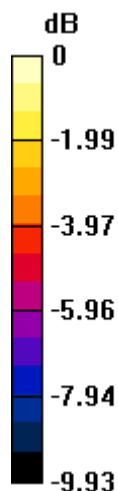
Grid 1 <b>M4</b> <b>23.71 dBV/m</b>	Grid 2 <b>M4</b> <b>27.76 dBV/m</b>	Grid 3 <b>M4</b> <b>27.77 dBV/m</b>
Grid 4 <b>M4</b> <b>22.41 dBV/m</b>	Grid 5 <b>M4</b> <b>26.3 dBV/m</b>	Grid 6 <b>M4</b> <b>26.26 dBV/m</b>
Grid 7 <b>M4</b> <b>26.79 dBV/m</b>	Grid 8 <b>M4</b> <b>28.09 dBV/m</b>	Grid 9 <b>M4</b> <b>27.96 dBV/m</b>

**Cursor:**

Total = 28.09 dBV/m

E Category: M4

Location: -5, 25, 8.7 mm



0 dB = 25.38 V/m = 28.09 dBV/m