

### #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/m<sup>3</sup>

Ambient Temperature : 23.2 °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)

#### 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 = 81.26 V/m; Power Drift = 0.02 dB

Applied MIF = 3.63 dB

RF audio interference level = 39.82 dBV/m

**Emission category: M4**

MIF scaled E-field

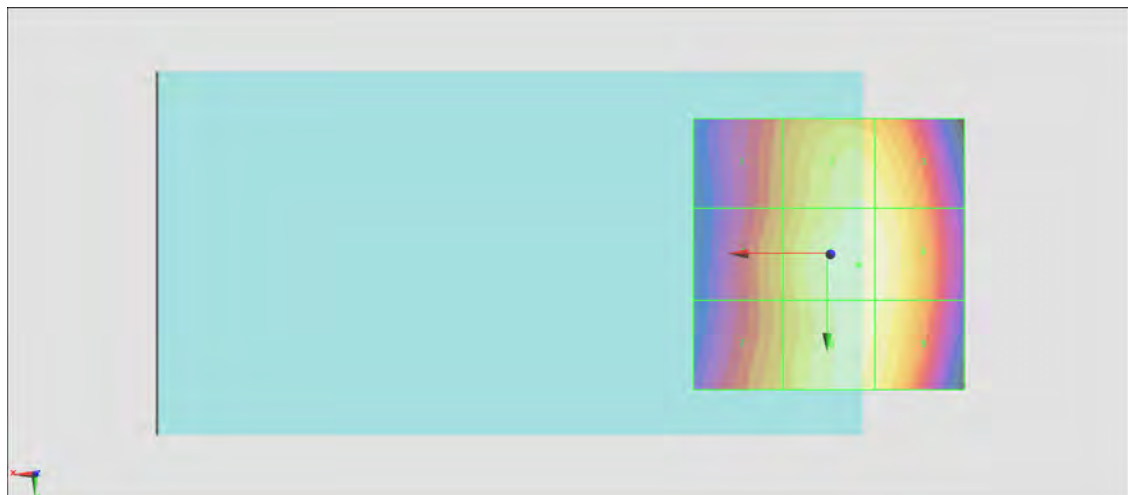
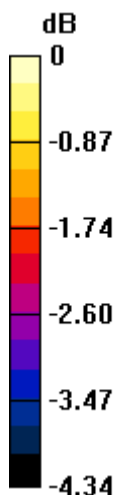
Grid 1 <b>M4</b> <b>38.45 dBV/m</b>	Grid 2 <b>M4</b> <b>39.58 dBV/m</b>	Grid 3 <b>M4</b> <b>39.52 dBV/m</b>
Grid 4 <b>M4</b> <b>38.74 dBV/m</b>	Grid 5 <b>M4</b> <b>39.82 dBV/m</b>	Grid 6 <b>M4</b> <b>39.75 dBV/m</b>
Grid 7 <b>M4</b> <b>38.82 dBV/m</b>	Grid 8 <b>M4</b> <b>39.7 dBV/m</b>	Grid 9 <b>M4</b> <b>39.63 dBV/m</b>

**Cursor:**

Total = 39.82 dBV/m

E Category: M4

Location: -5.5, 2, 8.7 mm



0 dB = 97.90 V/m = 39.82 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:  $\sigma = 0 \text{ S/m}$ ,  $\epsilon_r = 1$ ;  $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : 23.2 °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)

### 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 = 80.78 V/m; Power Drift = 0.03 dB

Applied MIF = 3.63 dB

RF audio interference level = 39.81 dBV/m

**Emission category: M4**

MIF scaled E-field

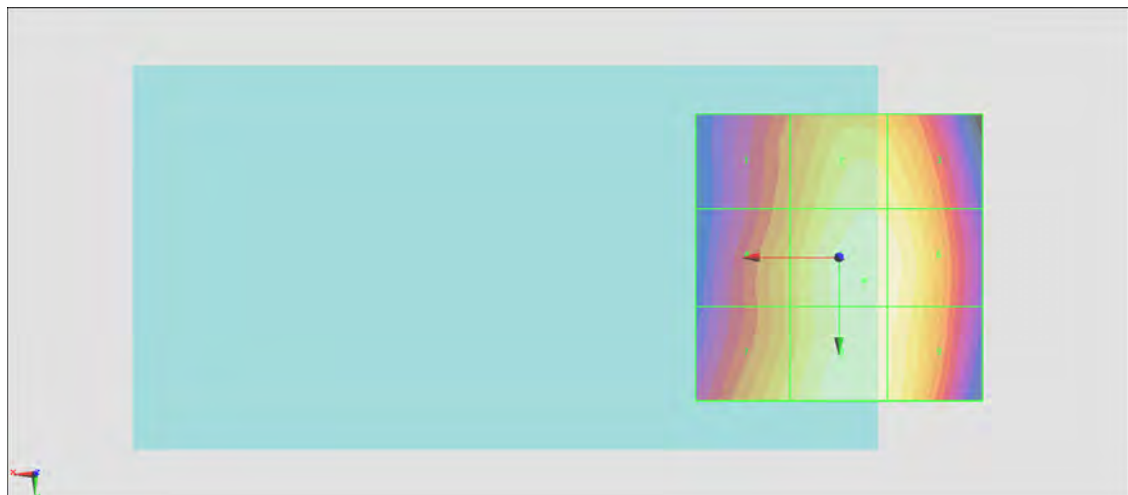
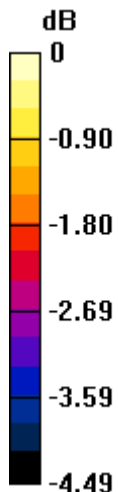
Grid 1 <b>M4</b> <b>38.41 dBV/m</b>	Grid 2 <b>M4</b> <b>39.51 dBV/m</b>	Grid 3 <b>M4</b> <b>39.42 dBV/m</b>
Grid 4 <b>M4</b> <b>38.77 dBV/m</b>	Grid 5 <b>M4</b> <b>39.81 dBV/m</b>	Grid 6 <b>M4</b> <b>39.72 dBV/m</b>
Grid 7 <b>M4</b> <b>39.11 dBV/m</b>	Grid 8 <b>M4</b> <b>39.76 dBV/m</b>	Grid 9 <b>M4</b> <b>39.65 dBV/m</b>

**Cursor:**

Total = 39.81 dBV/m

E Category: M4

Location: -4.5, 4, 8.7 mm



0 dB = 97.82 V/m = 39.81 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:  $\sigma = 0 \text{ S/m}$ ,  $\epsilon_r = 1$ ;  $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : 23.2 °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 = 83.54 V/m; Power Drift = -0.02 dB

Applied MIF = 3.63 dB

RF audio interference level = 40.10 dBV/m

**Emission category: M3**

MIF scaled E-field

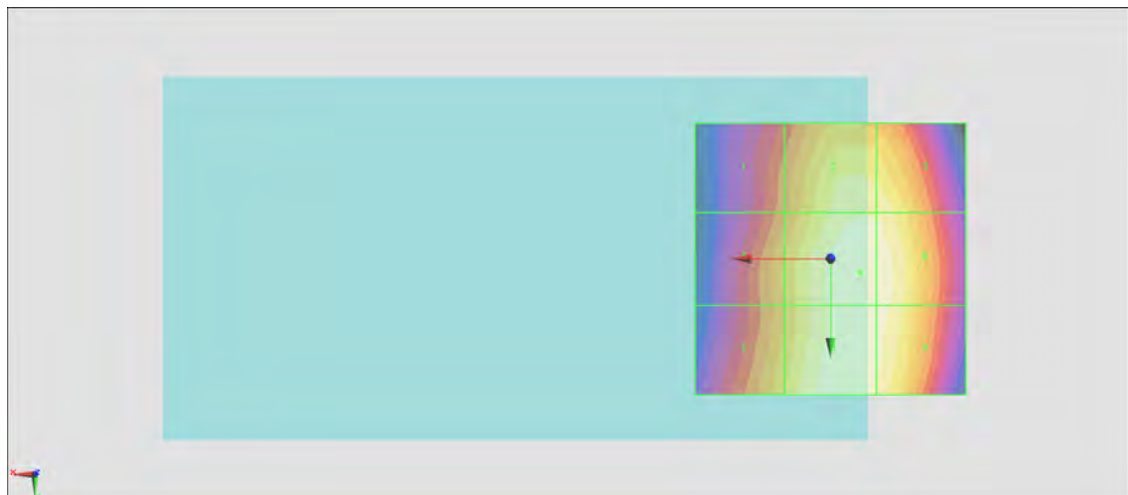
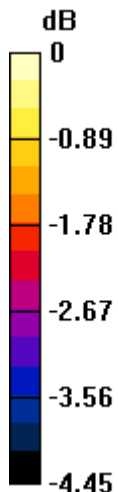
Grid 1 <b>M4</b> <b>38.54 dBV/m</b>	Grid 2 <b>M4</b> <b>39.78 dBV/m</b>	Grid 3 <b>M4</b> <b>39.75 dBV/m</b>
Grid 4 <b>M4</b> <b>38.97 dBV/m</b>	Grid 5 <b>M3</b> <b>40.1 dBV/m</b>	Grid 6 <b>M3</b> <b>40.04 dBV/m</b>
Grid 7 <b>M4</b> <b>39.2 dBV/m</b>	Grid 8 <b>M3</b> <b>40.03 dBV/m</b>	Grid 9 <b>M4</b> <b>39.99 dBV/m</b>

**Cursor:**

Total = 40.10 dBV/m

E Category: M3

Location: -5.5, 2.5, 8.7 mm



0 dB = 101.1 V/m = 40.10 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/m<sup>3</sup>

Ambient Temperature : 23.2 °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)

### 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 = 26.88 V/m; Power Drift = 0.01 dB

Applied MIF = 3.63 dB

RF audio interference level = 31.73 dBV/m

**Emission category: M3**

MIF scaled E-field

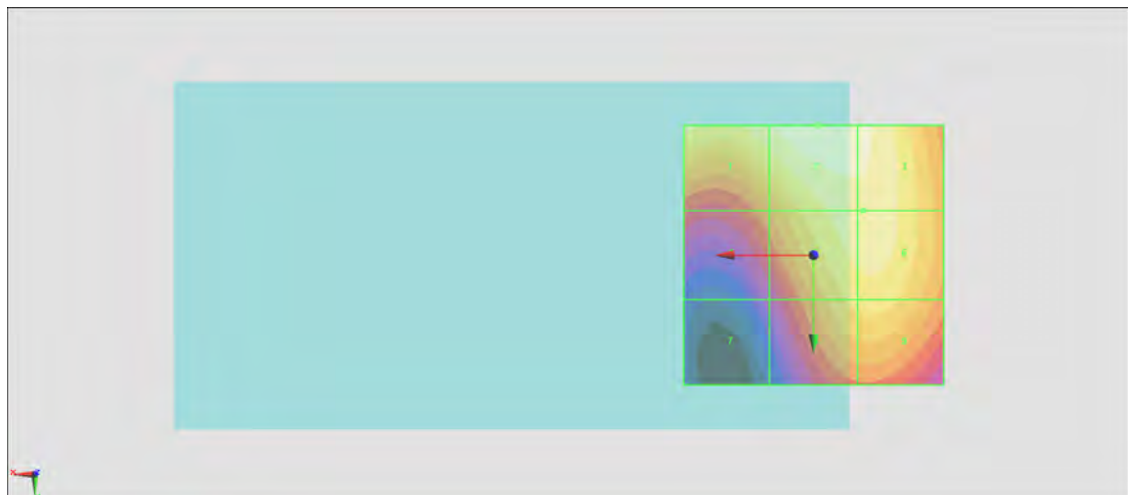
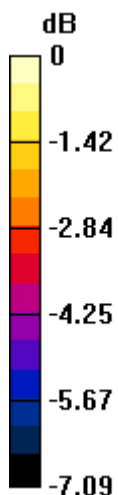
Grid 1 <b>M3</b> <b>31.23 dBV/m</b>	Grid 2 <b>M3</b> <b>31.73 dBV/m</b>	Grid 3 <b>M3</b> <b>31.5 dBV/m</b>
Grid 4 <b>M4</b> <b>29.4 dBV/m</b>	Grid 5 <b>M3</b> <b>31.08 dBV/m</b>	Grid 6 <b>M3</b> <b>31.09 dBV/m</b>
Grid 7 <b>M4</b> <b>27.47 dBV/m</b>	Grid 8 <b>M3</b> <b>30.47 dBV/m</b>	Grid 9 <b>M3</b> <b>30.55 dBV/m</b>

**Cursor:**

Total = 31.73 dBV/m

E Category: M3

Location: -1, -25, 8.7 mm



0 dB = 38.59 V/m = 31.73 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,  $\epsilon_r = 1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.2 °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)

### 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 = 27.29 V/m; Power Drift = -0.12 dB

Applied MIF = 3.63 dB

RF audio interference level = 32.05 dBV/m

**Emission category: M3**

MIF scaled E-field

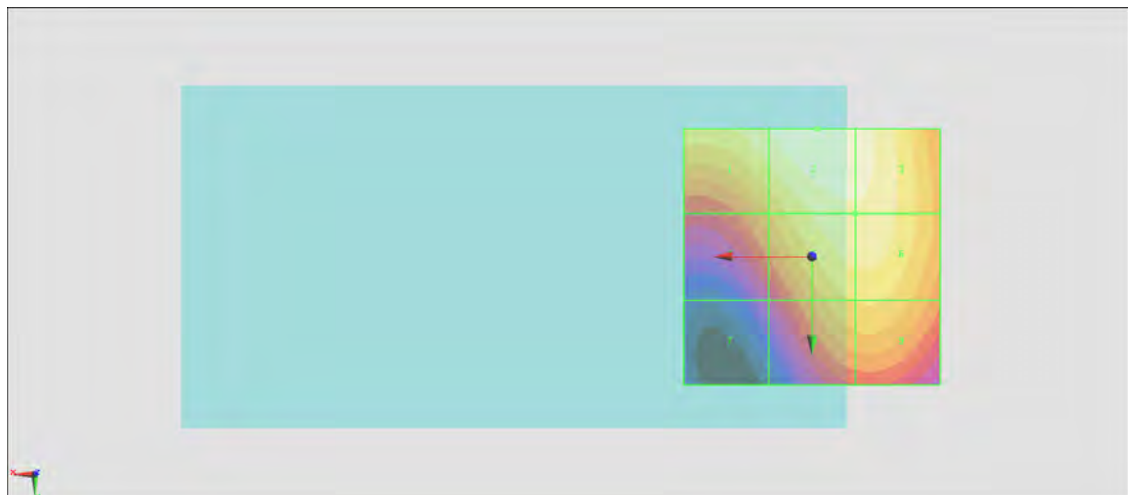
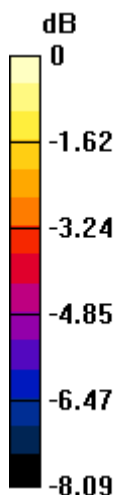
Grid 1 <b>M3</b> <b>31.51 dBV/m</b>	Grid 2 <b>M3</b> <b>32.05 dBV/m</b>	Grid 3 <b>M3</b> <b>31.79 dBV/m</b>
Grid 4 <b>M4</b> <b>29.84 dBV/m</b>	Grid 5 <b>M3</b> <b>31.43 dBV/m</b>	Grid 6 <b>M3</b> <b>31.43 dBV/m</b>
Grid 7 <b>M4</b> <b>27.46 dBV/m</b>	Grid 8 <b>M3</b> <b>30.47 dBV/m</b>	Grid 9 <b>M3</b> <b>30.52 dBV/m</b>

**Cursor:**

Total = 32.05 dBV/m

E Category: M3

Location: -1, -25, 8.7 mm



0 dB = 40.02 V/m = 32.05 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/m<sup>3</sup>

Ambient Temperature : 23.2 °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)

### 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 = 25.76 V/m; Power Drift = 0.07 dB

Applied MIF = 3.63 dB

RF audio interference level = 31.54 dBV/m

**Emission category: M3**

MIF scaled E-field

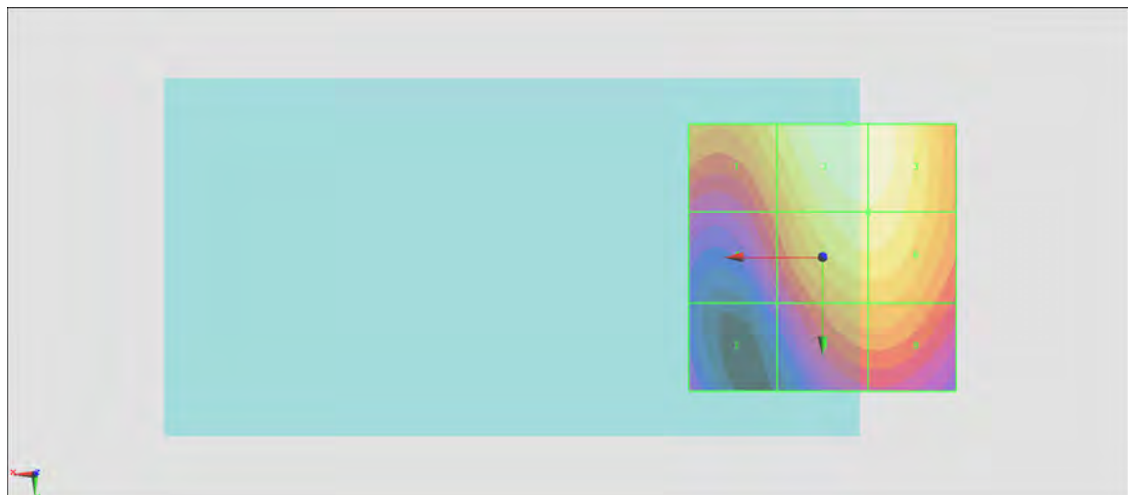
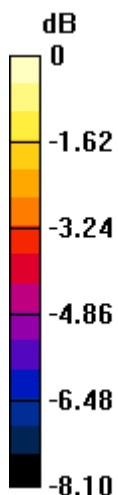
Grid 1 <b>M3</b> <b>30.19 dBV/m</b>	Grid 2 <b>M3</b> <b>31.54 dBV/m</b>	Grid 3 <b>M3</b> <b>31.48 dBV/m</b>
Grid 4 <b>M4</b> <b>28.64 dBV/m</b>	Grid 5 <b>M3</b> <b>30.92 dBV/m</b>	Grid 6 <b>M3</b> <b>30.92 dBV/m</b>
Grid 7 <b>M4</b> <b>26.56 dBV/m</b>	Grid 8 <b>M4</b> <b>29.46 dBV/m</b>	Grid 9 <b>M4</b> <b>29.47 dBV/m</b>

**Cursor:**

Total = 31.54 dBV/m

E Category: M3

Location: -5, -25, 8.7 mm



0 dB = 37.75 V/m = 31.54 dBV/m