

**#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: 2015/1/26;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1279; Calibrated: 2015/7/21
- 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 = 48.36 V/m; Power Drift = -0.03 dB

Applied MIF = 3.63 dB

RF audio interference level = 36.08 dBV/m

**Emission category: M4**

MIF scaled E-field

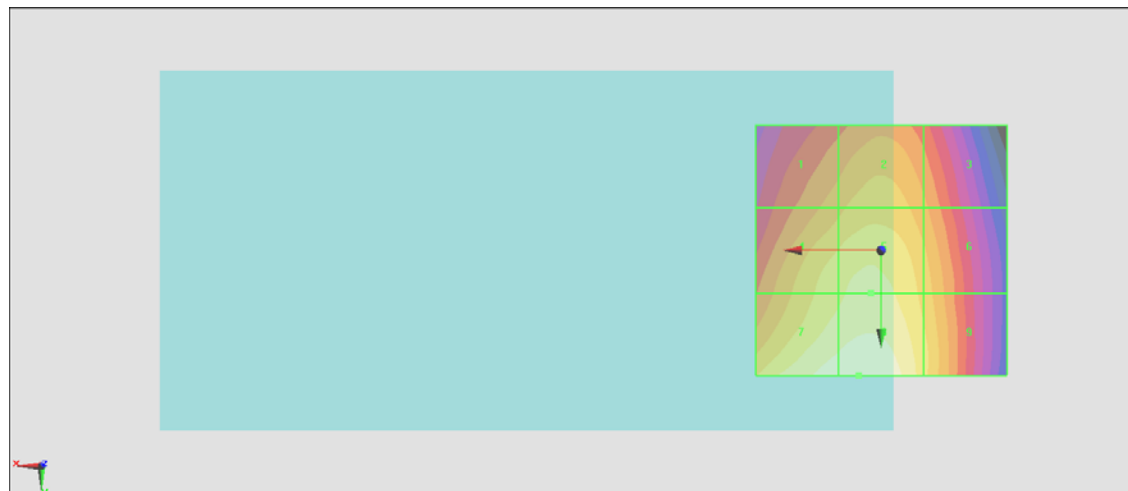
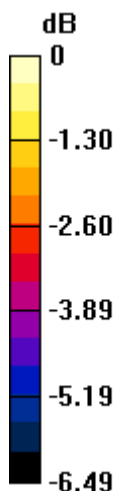
|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>34.24 dBV/m</b> | Grid 2 <b>M4</b><br><b>34.66 dBV/m</b> | Grid 3 <b>M4</b><br><b>34.05 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>35.13 dBV/m</b> | Grid 5 <b>M4</b><br><b>35.36 dBV/m</b> | Grid 6 <b>M4</b><br><b>34.63 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>35.97 dBV/m</b> | Grid 8 <b>M4</b><br><b>36.08 dBV/m</b> | Grid 9 <b>M4</b><br><b>34.95 dBV/m</b> |

**Cursor:**

Total = 36.08 dBV/m

E Category: M4

Location: 4.5, 25, 8.7 mm



0 dB = 63.71 V/m = 36.08 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,  $\epsilon_r = 1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.2 °C

**DASY5 Configuration**

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2015/1/26;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1279; Calibrated: 2015/7/21
- 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 = 47.22 V/m; Power Drift = -0.01 dB

Applied MIF = 3.63 dB

RF audio interference level = 36.00 dBV/m

**Emission category: M4**

MIF scaled E-field

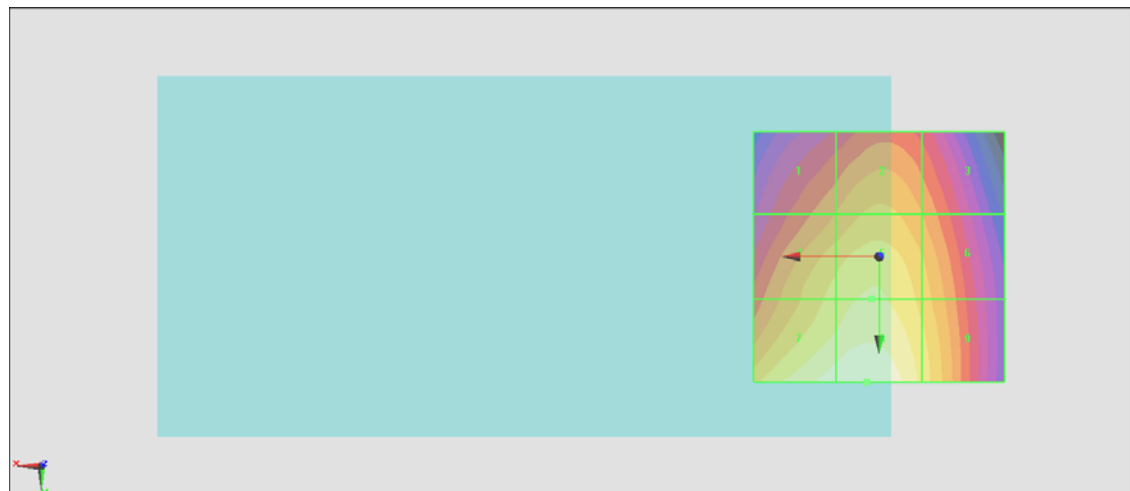
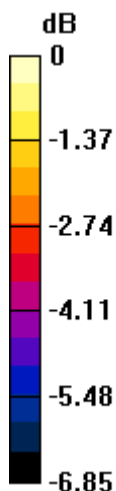
|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>33.76 dBV/m</b> | Grid 2 <b>M4</b><br><b>34.3 dBV/m</b>  | Grid 3 <b>M4</b><br><b>33.74 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>34.84 dBV/m</b> | Grid 5 <b>M4</b><br><b>35.15 dBV/m</b> | Grid 6 <b>M4</b><br><b>34.47 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>35.8 dBV/m</b>  | Grid 8 <b>M4</b><br><b>36 dBV/m</b>    | Grid 9 <b>M4</b><br><b>34.95 dBV/m</b> |

**Cursor:**

Total = 36.00 dBV/m

E Category: M4

Location: 2.5, 25, 8.7 mm



0 dB = 63.06 V/m = 36.00 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,  $\epsilon_r = 1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.2 °C

**DASY5 Configuration**

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2015/1/26;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1279; Calibrated: 2015/7/21
- 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 = 45.62 V/m; Power Drift = 0.01 dB

Applied MIF = 3.63 dB

RF audio interference level = 35.72 dBV/m

**Emission category: M4**

MIF scaled E-field

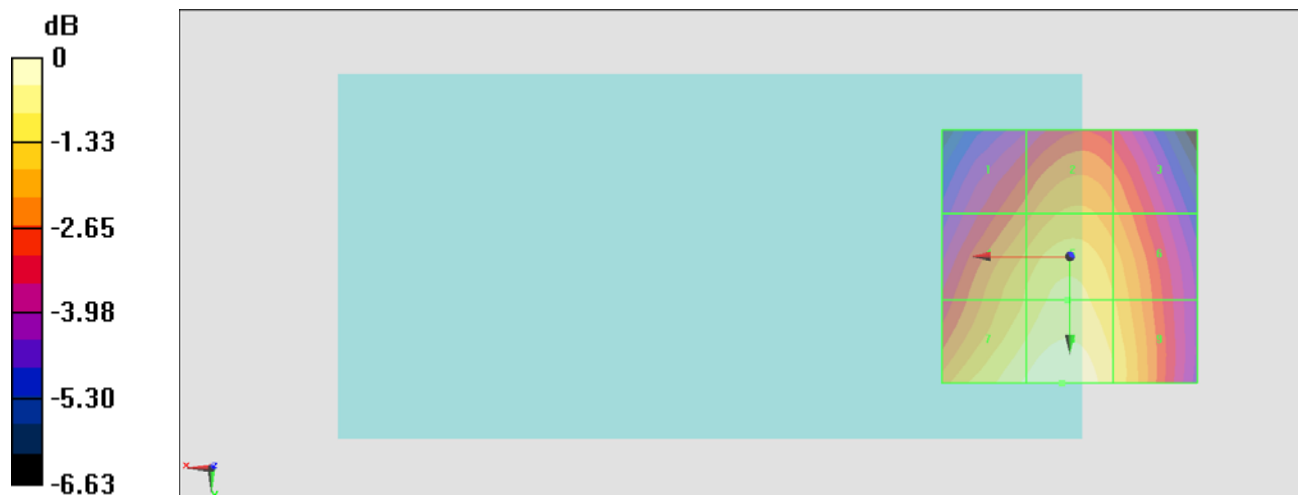
|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>33.35 dBV/m</b> | Grid 2 <b>M4</b><br><b>34.06 dBV/m</b> | Grid 3 <b>M4</b><br><b>33.64 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>34.47 dBV/m</b> | Grid 5 <b>M4</b><br><b>34.97 dBV/m</b> | Grid 6 <b>M4</b><br><b>34.44 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>35.38 dBV/m</b> | Grid 8 <b>M4</b><br><b>35.72 dBV/m</b> | Grid 9 <b>M4</b><br><b>34.87 dBV/m</b> |

**Cursor:**

Total = 35.72 dBV/m

E Category: M4

Location: 1.5, 25, 8.7 mm



0 dB = 61.09 V/m = 35.72 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: 2015/1/26;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1279; Calibrated: 2015/7/21
- 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 = 16.85 V/m; Power Drift = 0.01 dB

Applied MIF = 3.63 dB

RF audio interference level = 27.21 dBV/m

**Emission category: M4**

MIF scaled E-field

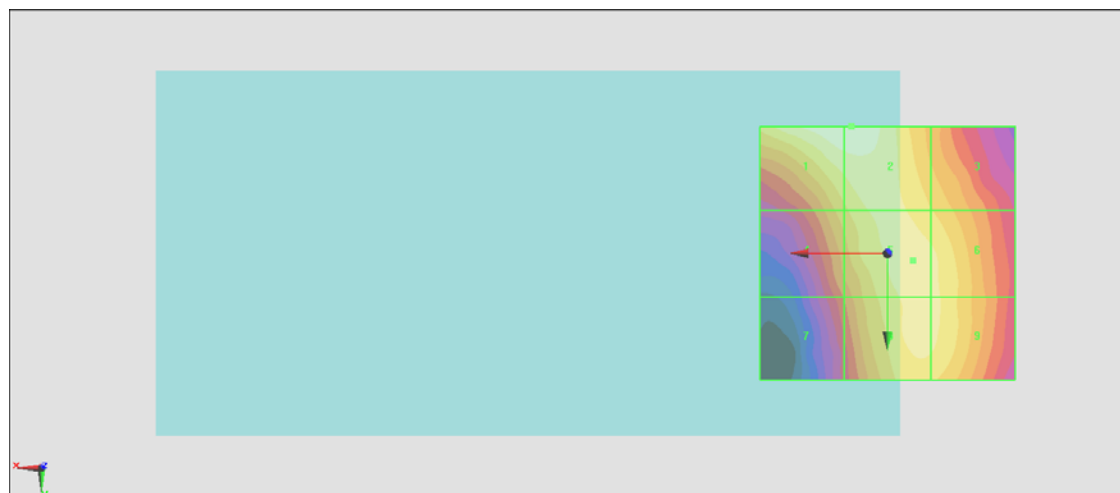
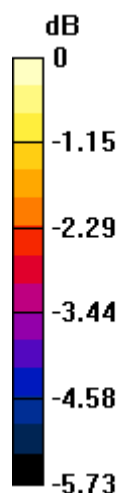
|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>27.19 dBV/m</b> | Grid 2 <b>M4</b><br><b>27.21 dBV/m</b> | Grid 3 <b>M4</b><br><b>26.1 dBV/m</b>  |
| Grid 4 <b>M4</b><br><b>25.97 dBV/m</b> | Grid 5 <b>M4</b><br><b>26.65 dBV/m</b> | Grid 6 <b>M4</b><br><b>26.56 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>24.99 dBV/m</b> | Grid 8 <b>M4</b><br><b>26.65 dBV/m</b> | Grid 9 <b>M4</b><br><b>26.57 dBV/m</b> |

**Cursor:**

Total = 27.21 dBV/m

E Category: M4

Location: 7, -25, 8.7 mm



0 dB = 22.95 V/m = 27.22 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: 2015/1/26;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1279; Calibrated: 2015/7/21
- 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 = 17.86 V/m; Power Drift = -0.02 dB

Applied MIF = 3.63 dB

RF audio interference level = 27.62 dBV/m

**Emission category: M4**

MIF scaled E-field

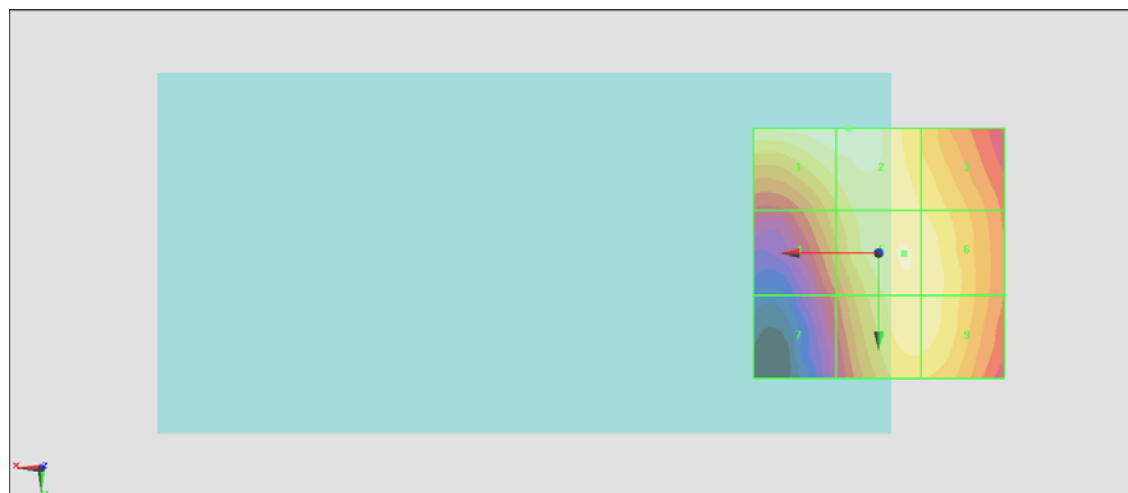
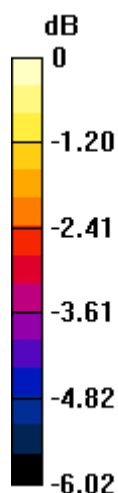
|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>27.56 dBV/m</b> | Grid 2 <b>M4</b><br><b>27.62 dBV/m</b> | Grid 3 <b>M4</b><br><b>26.84 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>26.34 dBV/m</b> | Grid 5 <b>M4</b><br><b>27.24 dBV/m</b> | Grid 6 <b>M4</b><br><b>27.15 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>25.16 dBV/m</b> | Grid 8 <b>M4</b><br><b>27.13 dBV/m</b> | Grid 9 <b>M4</b><br><b>27.11 dBV/m</b> |

**Cursor:**

Total = 27.62 dBV/m

E Category: M4

Location: 6, -25, 8.7 mm



0 dB = 24.05 V/m = 27.62 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: 2015/1/26;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1279; Calibrated: 2015/7/21
- 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 = 17.61 V/m; Power Drift = -0.01 dB

Applied MIF = 3.63 dB

RF audio interference level = 27.53 dBV/m

**Emission category: M4**

MIF scaled E-field

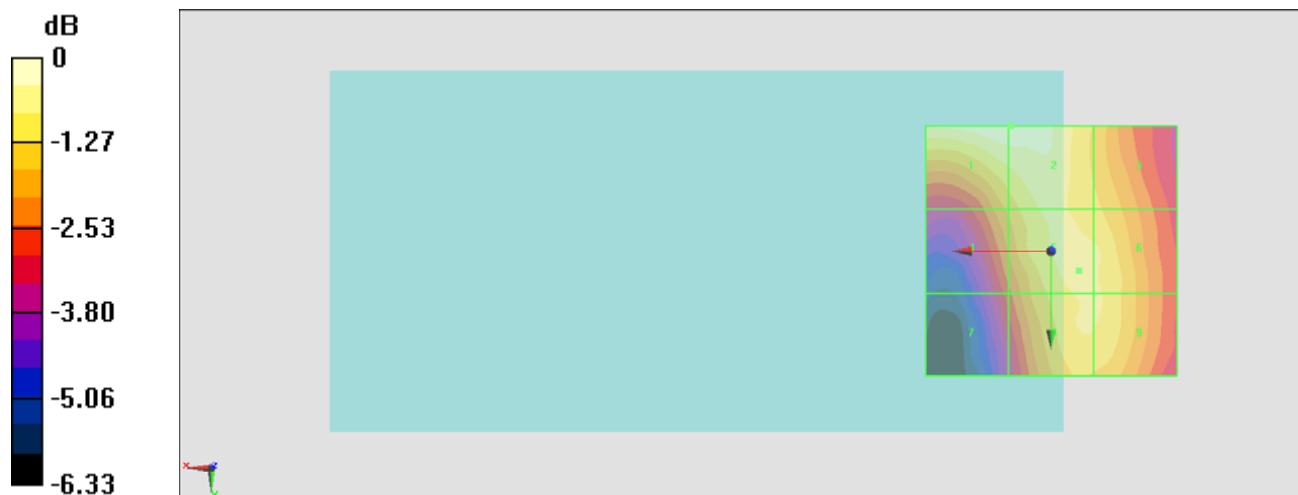
|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>27.53 dBV/m</b> | Grid 2 <b>M4</b><br><b>27.53 dBV/m</b> | Grid 3 <b>M4</b><br><b>26.4 dBV/m</b>  |
| Grid 4 <b>M4</b><br><b>25.97 dBV/m</b> | Grid 5 <b>M4</b><br><b>26.83 dBV/m</b> | Grid 6 <b>M4</b><br><b>26.77 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>24.85 dBV/m</b> | Grid 8 <b>M4</b><br><b>26.76 dBV/m</b> | Grid 9 <b>M4</b><br><b>26.76 dBV/m</b> |

**Cursor:**

Total = 27.53 dBV/m

E Category: M4

Location: 8, -25, 8.7 mm



0 dB = 23.79 V/m = 27.53 dBV/m