

**1 HAC RF GSM850\_Voice\_Ch128\_E**

Communication System: UID 10021 - DAB, GSM-FDD (TDMA, GMSK); Frequency: 824.2 MHz; Duty Cycle: 1:8.3

Medium: Air Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>

Ambient Temperature : 23.5 °C

DASY5 Configuration:

- Probe: ER3DV6 - SN2528; ConvF(1, 1, 1); Calibrated: 2017.1.25;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1326; Calibrated: 2017.9.15
- 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/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 = 55.37 V/m; Power Drift = -0.05 dB

Applied MIF = 3.63 dB

RF audio interference level = 36.14 dBV/m

**Emission category: M4**

MIF scaled E-field

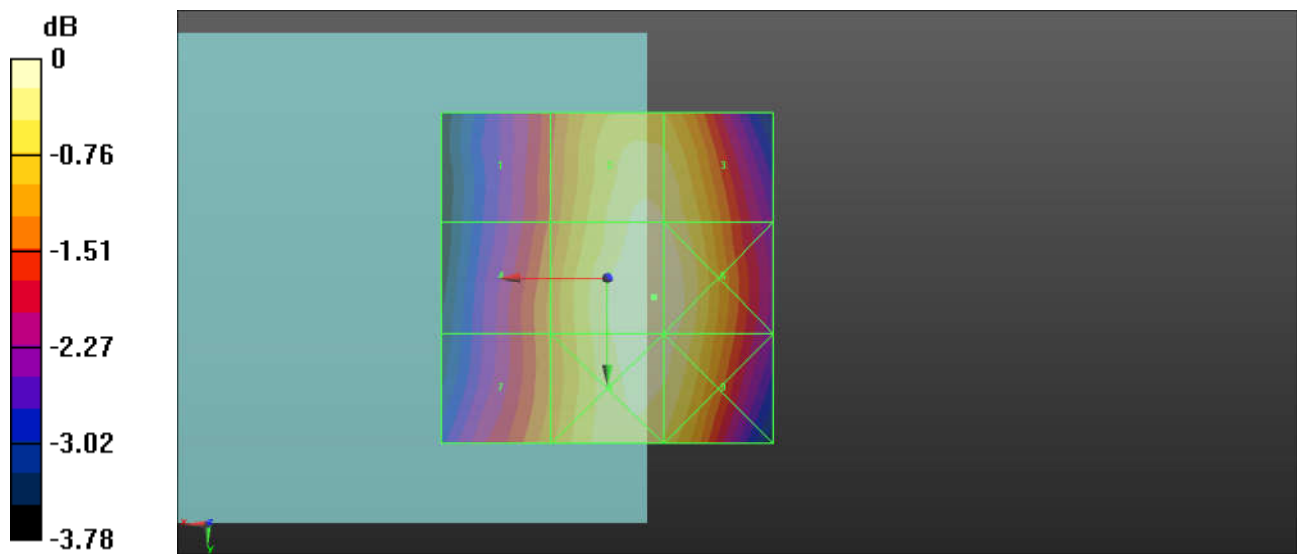
|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>34.7 dBV/m</b>  | Grid 2 <b>M4</b><br><b>35.96 dBV/m</b> | Grid 3 <b>M4</b><br><b>35.9 dBV/m</b>  |
| Grid 4 <b>M4</b><br><b>34.98 dBV/m</b> | Grid 5 <b>M4</b><br><b>36.14 dBV/m</b> | Grid 6 <b>M4</b><br><b>36.13 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>35.09 dBV/m</b> | Grid 8 <b>M4</b><br><b>36.08 dBV/m</b> | Grid 9 <b>M4</b><br><b>36.04 dBV/m</b> |

**Cursor:**

Total = 36.14 dBV/m

E Category: M4

Location: -7, 3, 9.7 mm



0 dB = 64.14 V/m = 36.14 dBV/m

**2 HAC RF GSM850\_Voice\_Ch189\_E**

Communication System: UID 10021 - DAB, GSM-FDD (TDMA, GMSK); Frequency: 836.4 MHz; Duty Cycle: 1:8.3

Medium: Air Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>

Ambient Temperature : 23.5 °C

DASY5 Configuration:

- Probe: ER3DV6 - SN2528; ConvF(1, 1, 1); Calibrated: 2017.1.25;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1326; Calibrated: 2017.9.15
- 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/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 = 56.94 V/m; Power Drift = -0.02 dB

Applied MIF = 3.63 dB

RF audio interference level = 36.29 dBV/m

**Emission category: M4**

MIF scaled E-field

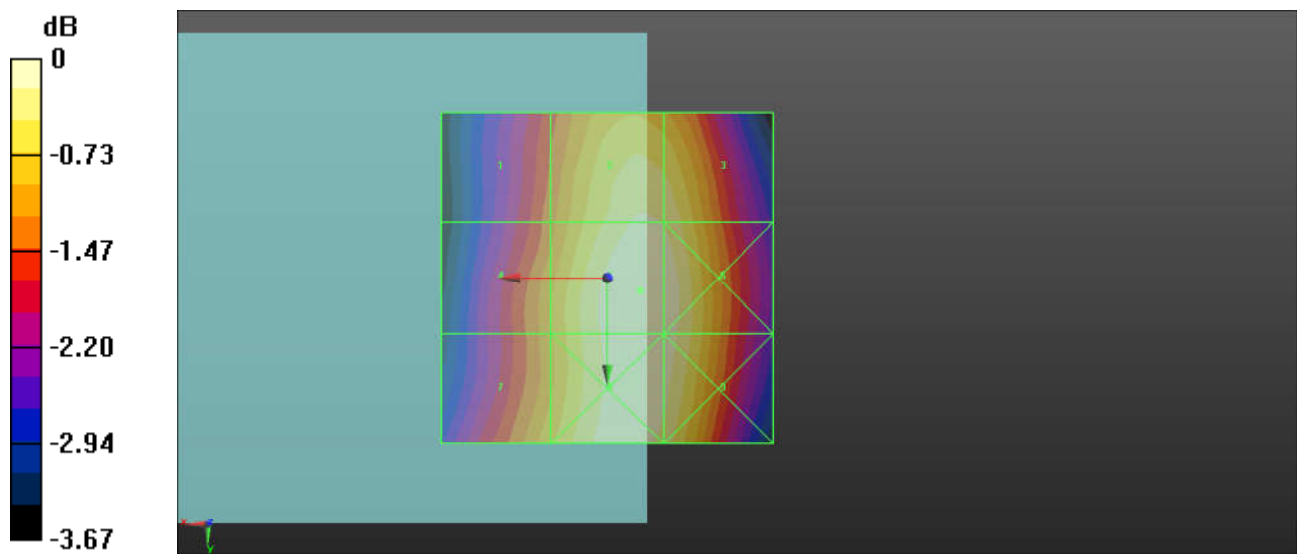
|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>35 dBV/m</b>    | Grid 2 <b>M4</b><br><b>36.08 dBV/m</b> | Grid 3 <b>M4</b><br><b>36.02 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>35.31 dBV/m</b> | Grid 5 <b>M4</b><br><b>36.29 dBV/m</b> | Grid 6 <b>M4</b><br><b>36.23 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>35.53 dBV/m</b> | Grid 8 <b>M4</b><br><b>36.27 dBV/m</b> | Grid 9 <b>M4</b><br><b>36.2 dBV/m</b>  |

**Cursor:**

Total = 36.29 dBV/m

E Category: M4

Location: -5, 2, 9.7 mm



0 dB = 65.21 V/m = 36.29 dBV/m

**3 HAC RF GSM850\_Voice\_Ch251\_E**

Communication System: UID 10021 - DAB, GSM-FDD (TDMA, GMSK); Frequency: 848.8 MHz; Duty Cycle: 1:8.3

Medium: Air Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>

Ambient Temperature : 23.5 °C

DASY5 Configuration:

- Probe: ER3DV6 - SN2528; ConvF(1, 1, 1); Calibrated: 2017.1.25;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1326; Calibrated: 2017.9.15
- 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/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 = 60.34 V/m; Power Drift = 0.02 dB

Applied MIF = 3.63 dB

RF audio interference level = 37.26 dBV/m

**Emission category: M4**

MIF scaled E-field

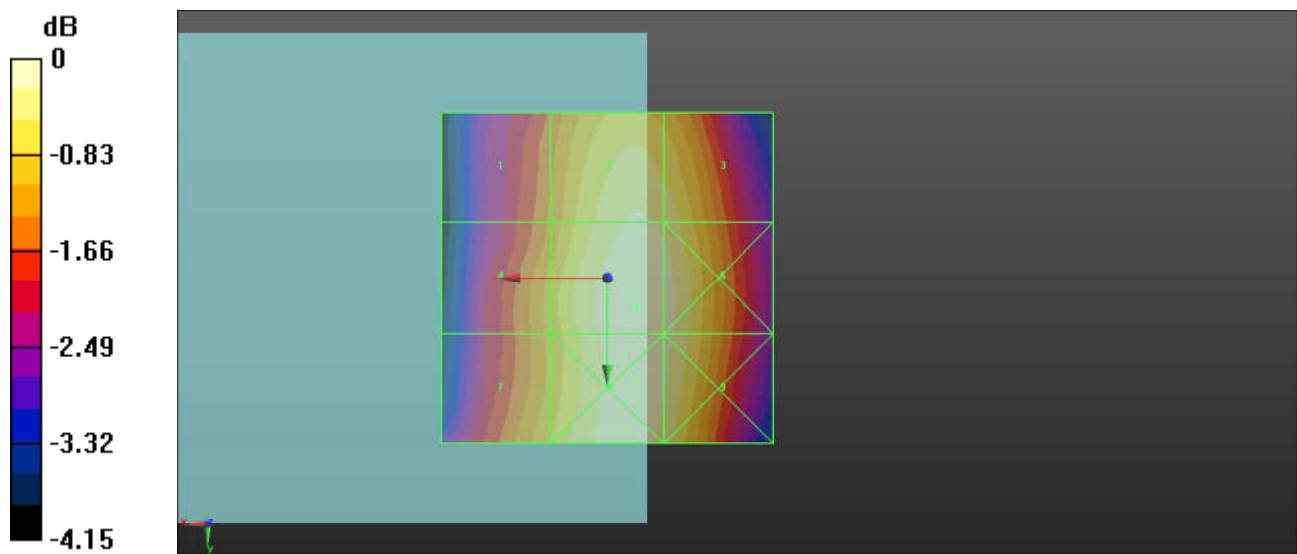
|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>35.97 dBV/m</b> | Grid 2 <b>M4</b><br><b>37.03 dBV/m</b> | Grid 3 <b>M4</b><br><b>36.92 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>36.3 dBV/m</b>  | Grid 5 <b>M4</b><br><b>37.26 dBV/m</b> | Grid 6 <b>M4</b><br><b>37.14 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>36.47 dBV/m</b> | Grid 8 <b>M4</b><br><b>37.22 dBV/m</b> | Grid 9 <b>M4</b><br><b>37.1 dBV/m</b>  |

**Cursor:**

Total = 37.26 dBV/m

E Category: M4

Location: -4.5, 4.5, 9.7 mm



0 dB = 72.94 V/m = 37.26 dBV/m

**4 HAC RF GSM1900\_Voice\_Ch512\_E**

Communication System: UID 10021 - DAB, GSM-FDD (TDMA, GMSK); Frequency: 1850.2 MHz; Duty Cycle: 1:8.3

Medium: Air Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>

Ambient Temperature : 23.5 °C

DASY5 Configuration:

- Probe: ER3DV6 - SN2528; ConvF(1, 1, 1); Calibrated: 2017.1.25;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1326; Calibrated: 2017.9.15
- 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/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 = 12.34 V/m; Power Drift = 0.04 dB

Applied MIF = 3.63 dB

RF audio interference level = 27.14 dBV/m

**Emission category: M4**

MIF scaled E-field

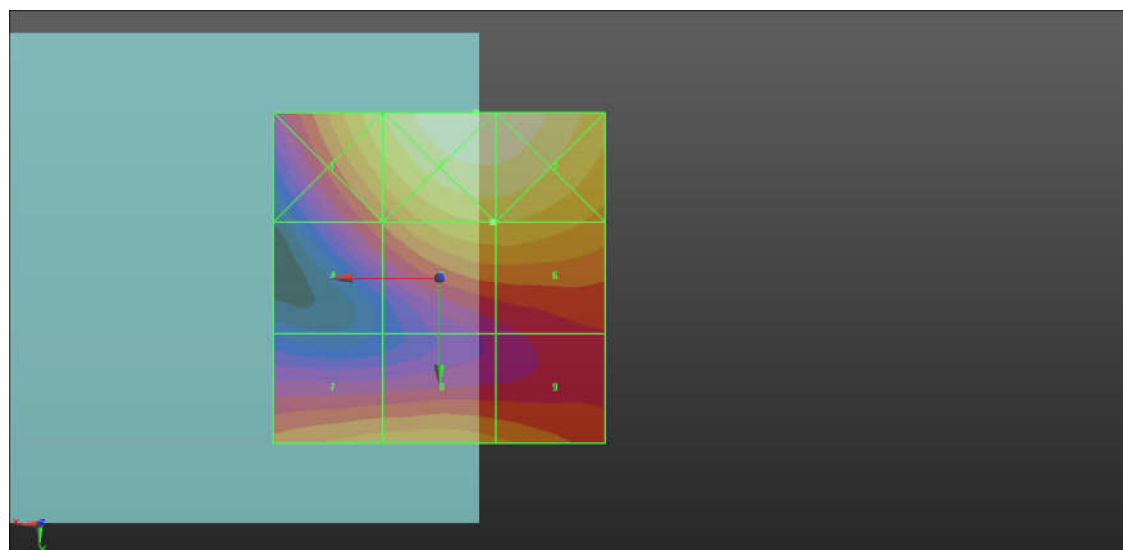
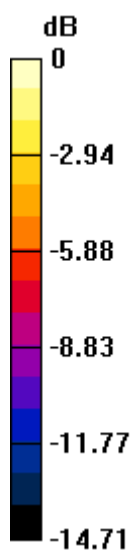
|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>28.08 dBV/m</b> | Grid 2 <b>M3</b><br><b>30.01 dBV/m</b> | Grid 3 <b>M4</b><br><b>29.93 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>24.32 dBV/m</b> | Grid 5 <b>M4</b><br><b>27.14 dBV/m</b> | Grid 6 <b>M4</b><br><b>27.14 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>25.76 dBV/m</b> | Grid 8 <b>M4</b><br><b>26.01 dBV/m</b> | Grid 9 <b>M4</b><br><b>25.47 dBV/m</b> |

**Cursor:**

Total = 30.01 dBV/m

E Category: M3

Location: -5.5, -25, 9.7 mm



0 dB = 31.65 V/m = 30.01 dBV/m

**5 HAC RF GSM1900\_Voice\_Ch661\_E**

Communication System: UID 10021 - DAB, GSM-FDD (TDMA, GMSK); Frequency: 1880 MHz; Duty Cycle: 1:8.3

Medium: Air Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>

Ambient Temperature : 23.5 °C

DASY5 Configuration:

- Probe: ER3DV6 - SN2528; ConvF(1, 1, 1); Calibrated: 2017.1.25;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1326; Calibrated: 2017.9.15
- 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/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 = 6.930 V/m; Power Drift = 0.02 dB

Applied MIF = 3.63 dB

RF audio interference level = 24.25 dBV/m

**Emission category: M4**

MIF scaled E-field

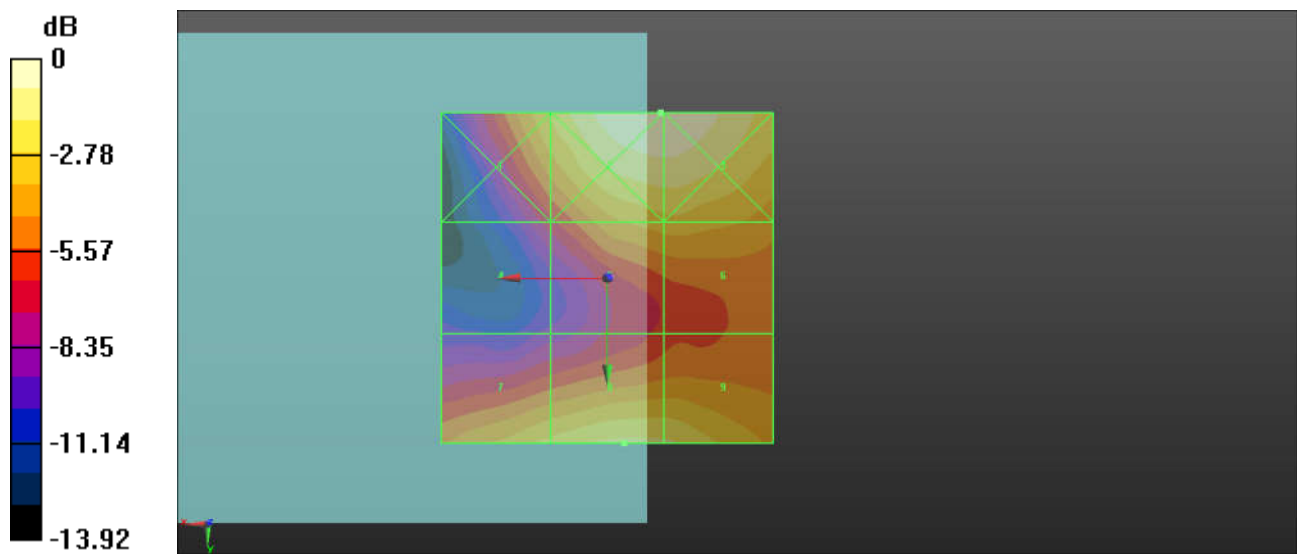
|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>23.23 dBV/m</b> | Grid 2 <b>M4</b><br><b>25.83 dBV/m</b> | Grid 3 <b>M4</b><br><b>25.82 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>19.07 dBV/m</b> | Grid 5 <b>M4</b><br><b>22.68 dBV/m</b> | Grid 6 <b>M4</b><br><b>22.75 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>23.42 dBV/m</b> | Grid 8 <b>M4</b><br><b>24.25 dBV/m</b> | Grid 9 <b>M4</b><br><b>24.19 dBV/m</b> |

**Cursor:**

Total = 25.83 dBV/m

E Category: M4

Location: -8, -25, 9.7 mm



0 dB = 19.56 V/m = 25.83 dBV/m

**6 HAC RF GSM1900\_Voice\_Ch810\_E**

Communication System: UID 10021 - DAB, GSM-FDD (TDMA, GMSK); Frequency: 1909.8 MHz; Duty Cycle: 1:8.3

Medium: Air Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>

Ambient Temperature : 23.5 °C

DASY5 Configuration:

- Probe: ER3DV6 - SN2528; ConvF(1, 1, 1); Calibrated: 2017.1.25;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1326; Calibrated: 2017.9.15
- 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/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 = 6.696 V/m; Power Drift = 0.03 dB

Applied MIF = 3.63 dB

RF audio interference level = 24.09 dBV/m

**Emission category: M4**

MIF scaled E-field

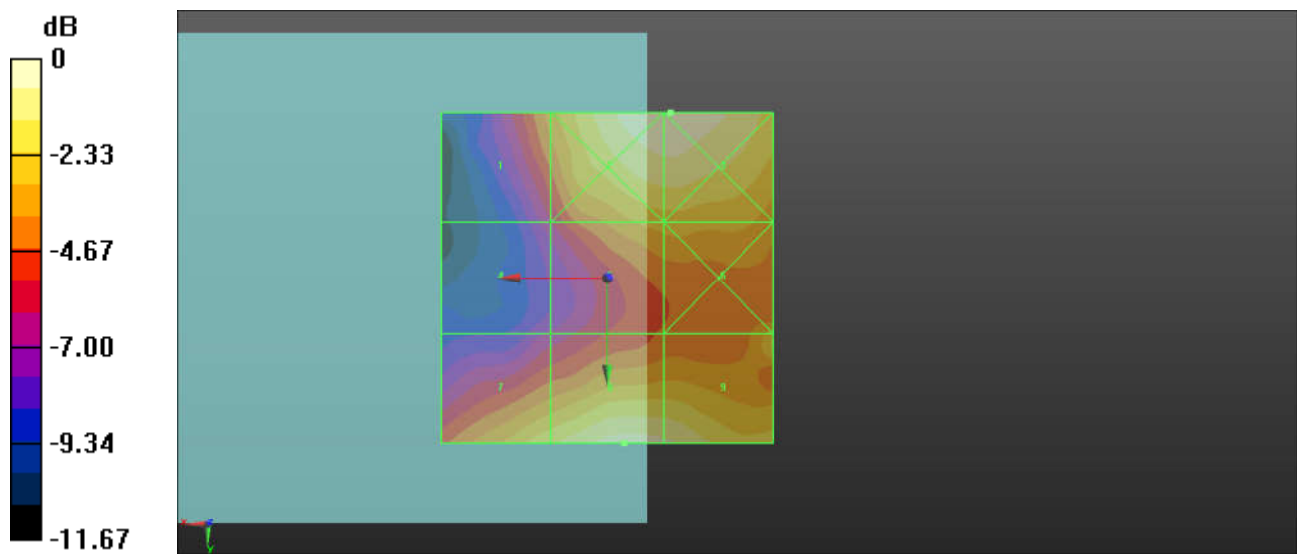
|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>21.03 dBV/m</b> | Grid 2 <b>M4</b><br><b>24.48 dBV/m</b> | Grid 3 <b>M4</b><br><b>24.48 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>18.23 dBV/m</b> | Grid 5 <b>M4</b><br><b>21.76 dBV/m</b> | Grid 6 <b>M4</b><br><b>21.93 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>22.88 dBV/m</b> | Grid 8 <b>M4</b><br><b>24.09 dBV/m</b> | Grid 9 <b>M4</b><br><b>23.9 dBV/m</b>  |

**Cursor:**

Total = 24.48 dBV/m

E Category: M4

Location: -9.5, -25, 9.7 mm



0 dB = 16.76 V/m = 24.49 dBV/m