

## #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 : 23.6 °C

### DASY5 Configuration:

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2014/1/30;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1425; Calibrated: 2014/3/3
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

### 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 = 80.18 V/m; Power Drift = 0.19 dB

Applied MIF = 3.63 dB

RF audio interference level = 39.52 dBV/m

**Emission category: M4**

MIF scaled E-field

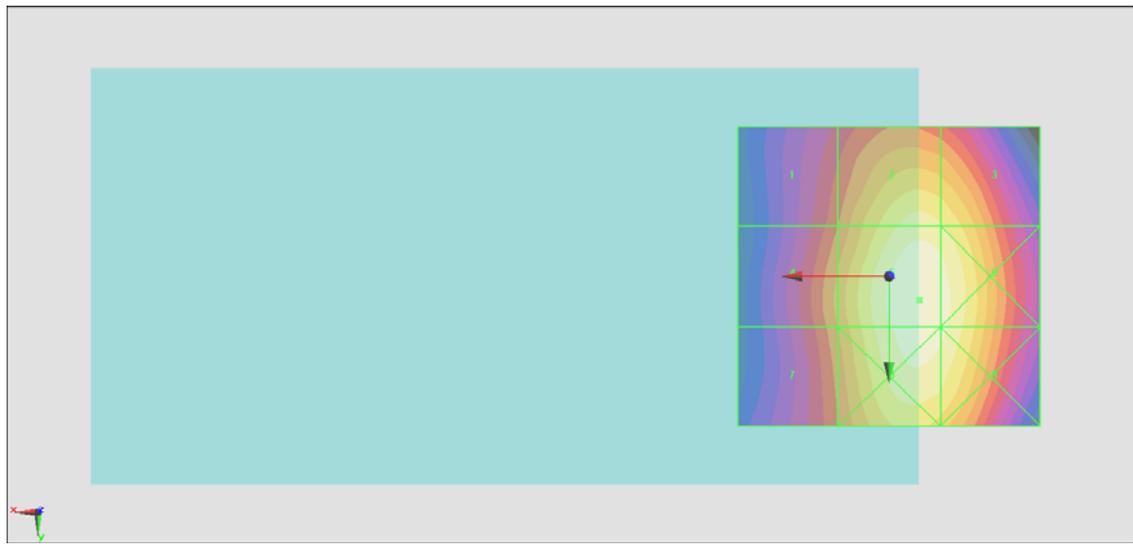
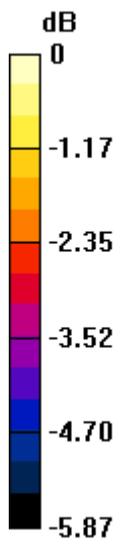
Grid 1 <b>M4</b> <b>37.18 dBV/m</b>	Grid 2 <b>M4</b> <b>38.95 dBV/m</b>	Grid 3 <b>M4</b> <b>38.79 dBV/m</b>
Grid 4 <b>M4</b> <b>37.7 dBV/m</b>	Grid 5 <b>M4</b> <b>39.52 dBV/m</b>	Grid 6 <b>M4</b> <b>39.32 dBV/m</b>
Grid 7 <b>M4</b> <b>37.57 dBV/m</b>	Grid 8 <b>M4</b> <b>39.4 dBV/m</b>	Grid 9 <b>M4</b> <b>39.25 dBV/m</b>

**Cursor:**

Total = 39.52 dBV/m

E Category: M4

Location: -5, 4, 8.7 mm



0 dB = 94.62 V/m = 39.52 dBV/m

**#02\_HAC\_E\_GSM850\_GSM Voice\_Ch189**

Communication System: GSM-FDD (TDMA, GMSK); Frequency: 836.6 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: 2014/1/30;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1425; Calibrated: 2014/3/3
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

**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 = 88.50 V/m; Power Drift = 0.02 dB

Applied MIF = 3.63 dB

RF audio interference level = 40.11 dBV/m

**Emission category: M3**

MIF scaled E-field

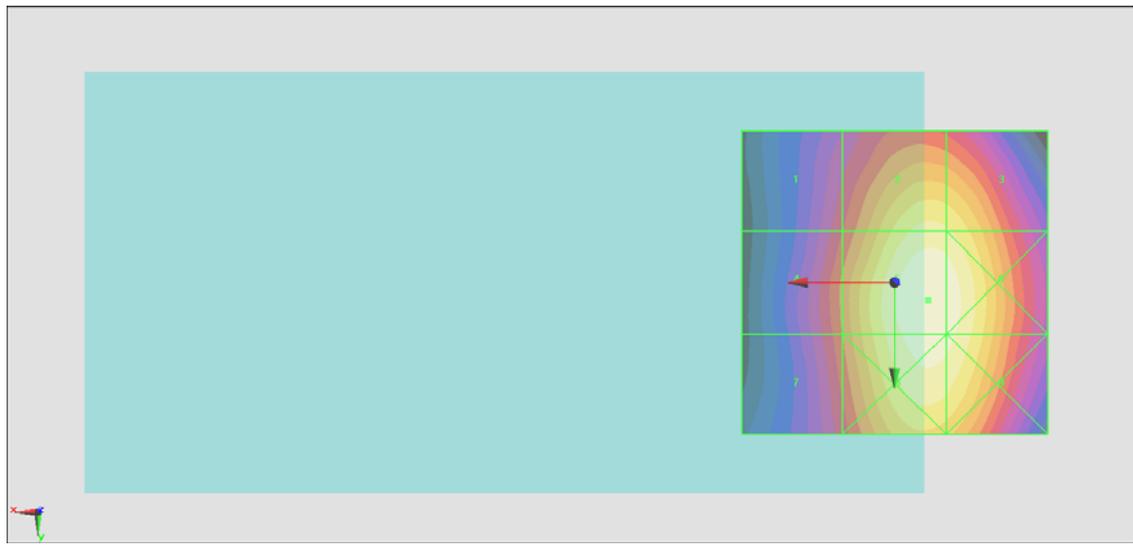
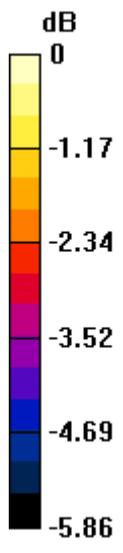
<b>Grid 1 M4</b> <b>37.38 dBV/m</b>	<b>Grid 2 M4</b> <b>39.49 dBV/m</b>	<b>Grid 3 M4</b> <b>39.39 dBV/m</b>
<b>Grid 4 M4</b> <b>37.9 dBV/m</b>	<b>Grid 5 M3</b> <b>40.11 dBV/m</b>	<b>Grid 6 M4</b> <b>39.99 dBV/m</b>
<b>Grid 7 M4</b> <b>37.78 dBV/m</b>	<b>Grid 8 M4</b> <b>39.96 dBV/m</b>	<b>Grid 9 M4</b> <b>39.86 dBV/m</b>

**Cursor:**

Total = 40.11 dBV/m

E Category: M3

Location: -5.5, 3, 8.7 mm



0 dB = 101.2 V/m = 40.10 dBV/m

### #03\_HAC\_E\_GSM850\_GSM Voice\_Ch251

Communication System: GSM-FDD (TDMA, GMSK); Frequency: 848.6 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: 2014/1/30;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1425; Calibrated: 2014/3/3
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

**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 = 99.31 V/m; Power Drift = 0.03 dB

Applied MIF = 3.63 dB

RF audio interference level = 41.01 dBV/m

**Emission category: M3**

MIF scaled E-field

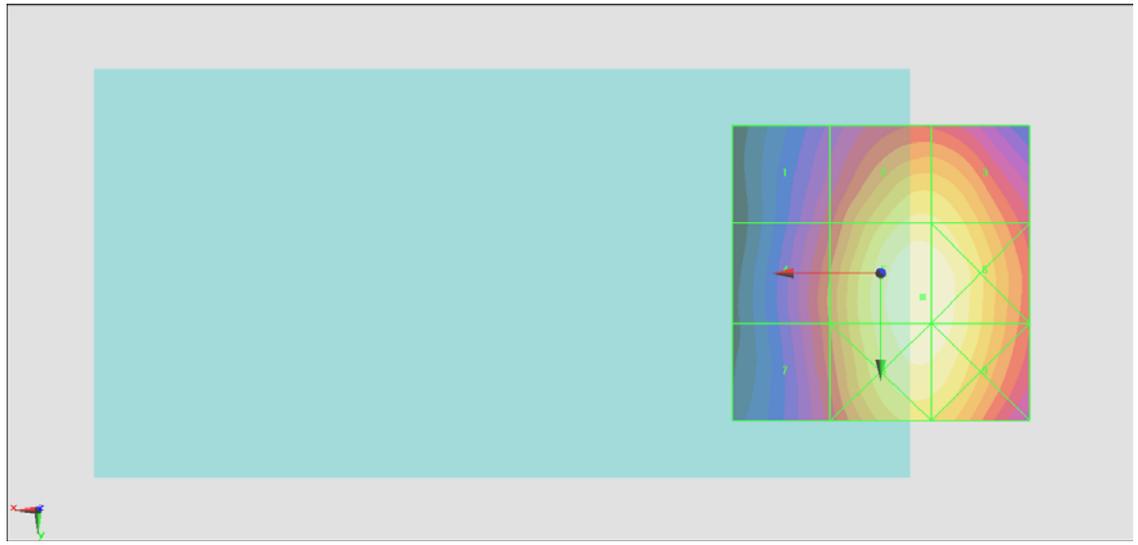
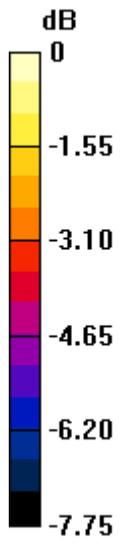
Grid 1 <b>M4</b> <b>37.28 dBV/m</b>	Grid 2 <b>M3</b> <b>40.17 dBV/m</b>	Grid 3 <b>M3</b> <b>40.13 dBV/m</b>
Grid 4 <b>M4</b> <b>38.09 dBV/m</b>	Grid 5 <b>M3</b> <b>41.01 dBV/m</b>	Grid 6 <b>M3</b> <b>40.98 dBV/m</b>
Grid 7 <b>M4</b> <b>37.95 dBV/m</b>	Grid 8 <b>M3</b> <b>40.89 dBV/m</b>	Grid 9 <b>M3</b> <b>40.87 dBV/m</b>

**Cursor:**

Total = 41.01 dBV/m

E Category: M3

Location: -7, 4, 8.7 mm



0 dB = 112.3 V/m = 41.01 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 : 23.6 °C

### DASY5 Configuration:

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2014/1/30;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1425; Calibrated: 2014/3/3
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

### 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 = 22.64 V/m; Power Drift = -0.26 dB

Applied MIF = 3.63 dB

RF audio interference level = 31.25 dBV/m

**Emission category: M3**

MIF scaled E-field

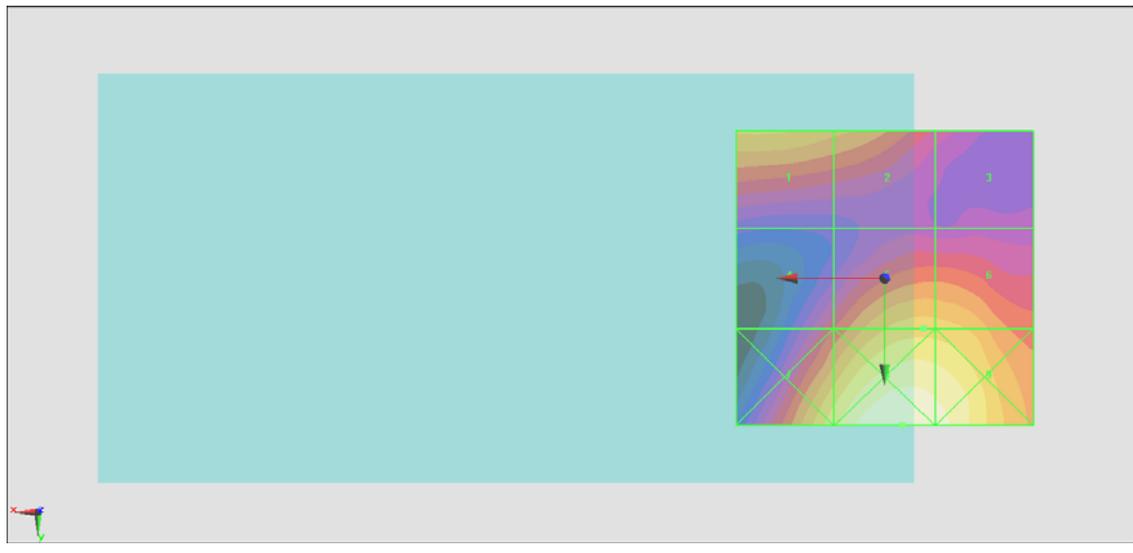
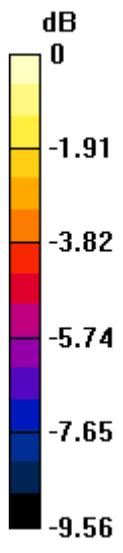
Grid 1 <b>M3</b> <b>30.99 dBV/m</b>	Grid 2 <b>M3</b> <b>30.42 dBV/m</b>	Grid 3 <b>M4</b> <b>28.24 dBV/m</b>
Grid 4 <b>M4</b> <b>28.99 dBV/m</b>	Grid 5 <b>M3</b> <b>31.26 dBV/m</b>	Grid 6 <b>M3</b> <b>31.2 dBV/m</b>
Grid 7 <b>M3</b> <b>32.01 dBV/m</b>	Grid 8 <b>M3</b> <b>33.42 dBV/m</b>	Grid 9 <b>M3</b> <b>33.13 dBV/m</b>

**Cursor:**

Total = 33.42 dBV/m

E Category: M3

Location: -3, 25, 8.7 mm



0 dB = 46.90 V/m = 33.42 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 : 23.6 °C

**DASY5 Configuration:**

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2014/1/30;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1425; Calibrated: 2014/3/3
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

**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 = 22.85 V/m; Power Drift = -0.03 dB

Applied MIF = 3.63 dB

RF audio interference level = 31.30 dBV/m

**Emission category: M3**

MIF scaled E-field

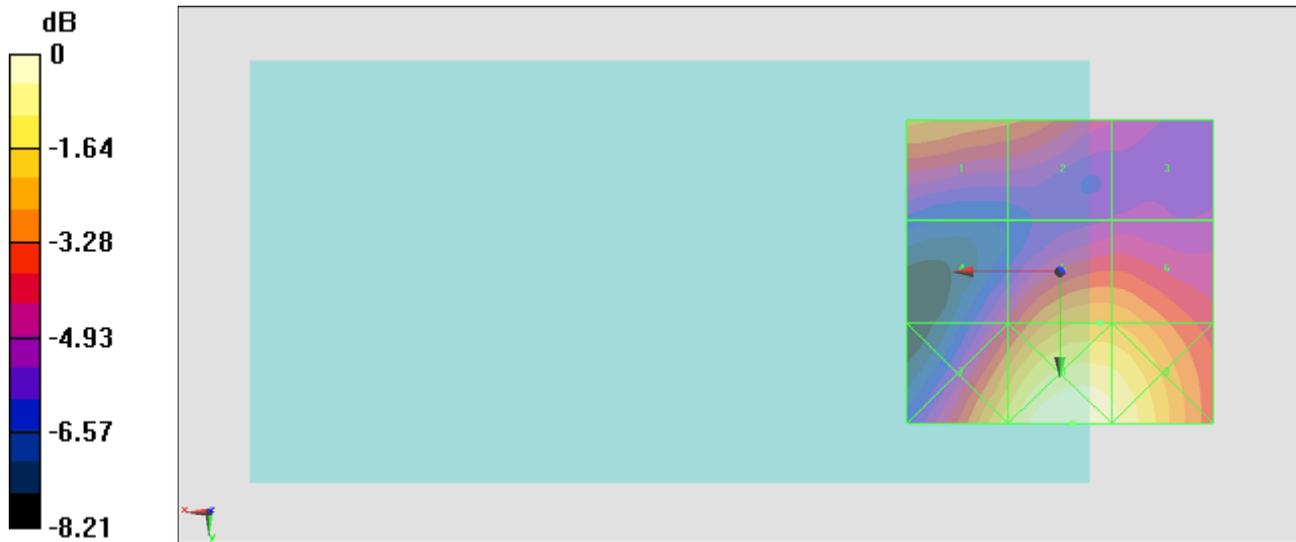
Grid 1 <b>M3</b> <b>30.85 dBV/m</b>	Grid 2 <b>M3</b> <b>30.3 dBV/m</b>	Grid 3 <b>M4</b> <b>28.6 dBV/m</b>
Grid 4 <b>M4</b> <b>29.23 dBV/m</b>	Grid 5 <b>M3</b> <b>31.3 dBV/m</b>	Grid 6 <b>M3</b> <b>31.25 dBV/m</b>
Grid 7 <b>M3</b> <b>32.17 dBV/m</b>	Grid 8 <b>M3</b> <b>33.44 dBV/m</b>	Grid 9 <b>M3</b> <b>33.05 dBV/m</b>

**Cursor:**

Total = 33.44 dBV/m

E Category: M3

Location: -2, 25, 8.7 mm



0 dB = 46.97 V/m = 33.44 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 : 23.6 °C

**DASY5 Configuration:**

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2014/1/30;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1425; Calibrated: 2014/3/3
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

**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 = 21.93 V/m; Power Drift = 0.30 dB

Applied MIF = 3.63 dB

RF audio interference level = 31.23 dBV/m

**Emission category: M3**

MIF scaled E-field

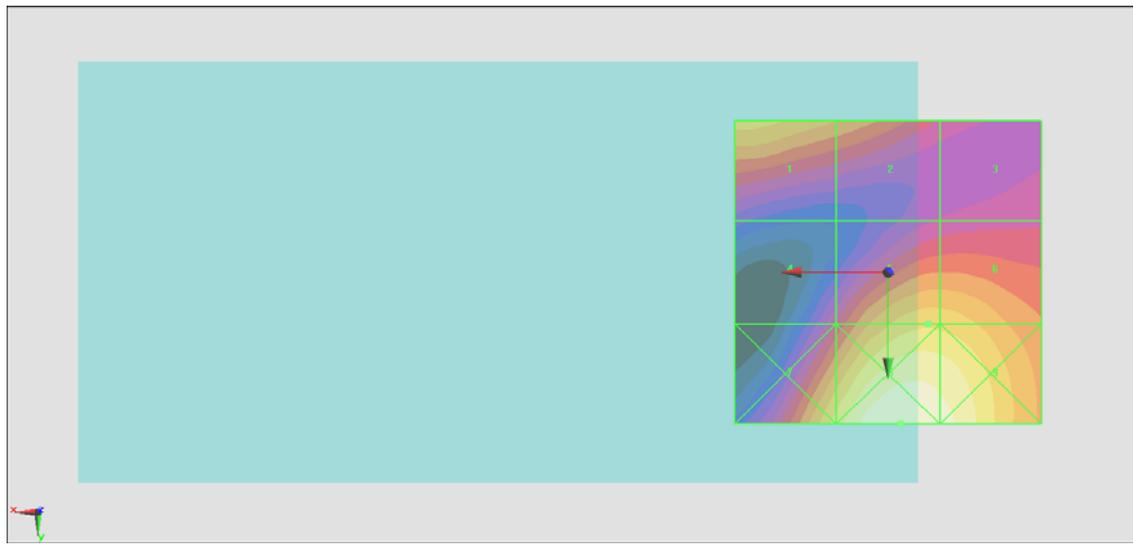
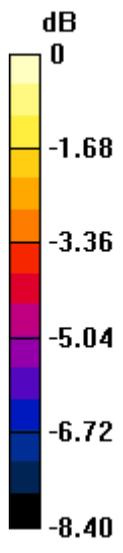
Grid 1 <b>M3</b> <b>31.05 dBV/m</b>	Grid 2 <b>M3</b> <b>30.26 dBV/m</b>	Grid 3 <b>M4</b> <b>28.48 dBV/m</b>
Grid 4 <b>M4</b> <b>28.6 dBV/m</b>	Grid 5 <b>M3</b> <b>31.23 dBV/m</b>	Grid 6 <b>M3</b> <b>31.17 dBV/m</b>
Grid 7 <b>M3</b> <b>31.62 dBV/m</b>	Grid 8 <b>M3</b> <b>33.01 dBV/m</b>	Grid 9 <b>M3</b> <b>32.74 dBV/m</b>

**Cursor:**

Total = 33.01 dBV/m

E Category: M3

Location: -2, 25, 8.7 mm



0 dB = 44.69 V/m = 33.00 dBV/m