

## #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,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>

Ambient Temperature : 23.5 °C

DASY5 Configuration:

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2018/1/19;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn854; Calibrated: 2018/6/14
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

### 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 = 50.49 V/m; Power Drift = -0.11 dB

Applied MIF = 3.63 dB

RF audio interference level = 35.30 dBV/m

**Emission category: M4**

MIF scaled E-field

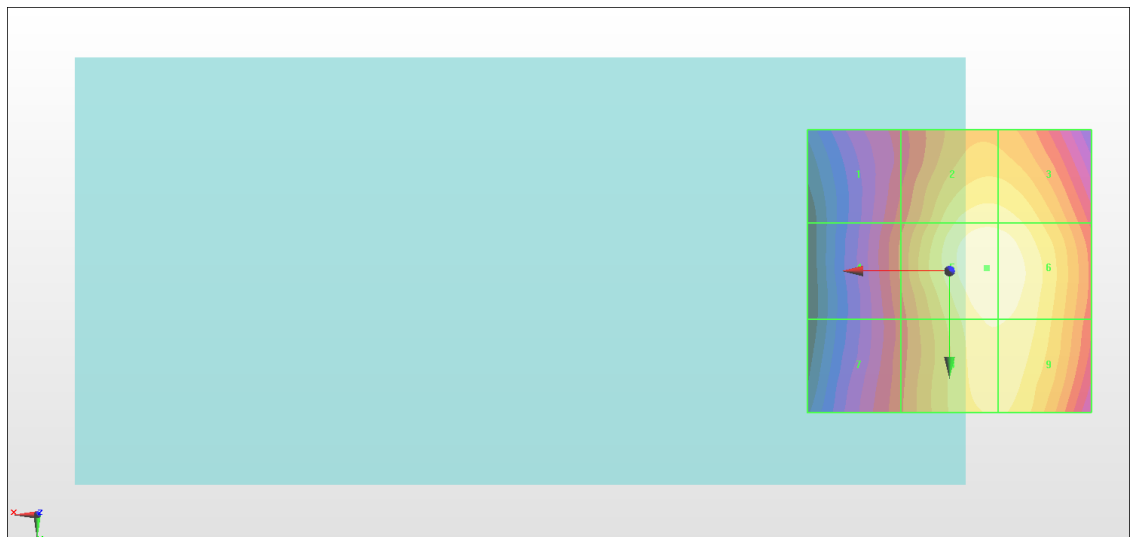
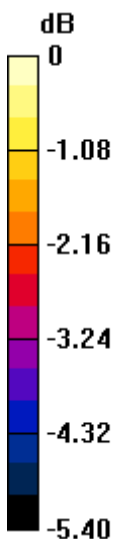
Grid 1 <b>M4</b> <b>33.02 dBV/m</b>	Grid 2 <b>M4</b> <b>34.88 dBV/m</b>	Grid 3 <b>M4</b> <b>34.85 dBV/m</b>
Grid 4 <b>M4</b> <b>33.25 dBV/m</b>	Grid 5 <b>M4</b> <b>35.3 dBV/m</b>	Grid 6 <b>M4</b> <b>35.25 dBV/m</b>
Grid 7 <b>M4</b> <b>33.12 dBV/m</b>	Grid 8 <b>M4</b> <b>34.99 dBV/m</b>	Grid 9 <b>M4</b> <b>34.98 dBV/m</b>

**Cursor:**

Total = 35.30 dBV/m

E Category: M4

Location: -6.5, -0.5, 8.7 mm



0 dB = 58.24 V/m = 35.30 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,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>

Ambient Temperature : 23.5 °C

DASY5 Configuration:

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2018/1/19;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn854; Calibrated: 2018/6/14
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

### 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 = 52.51 V/m; Power Drift = -0.04 dB

Applied MIF = 3.63 dB

RF audio interference level = 35.72 dBV/m

**Emission category: M4**

MIF scaled E-field

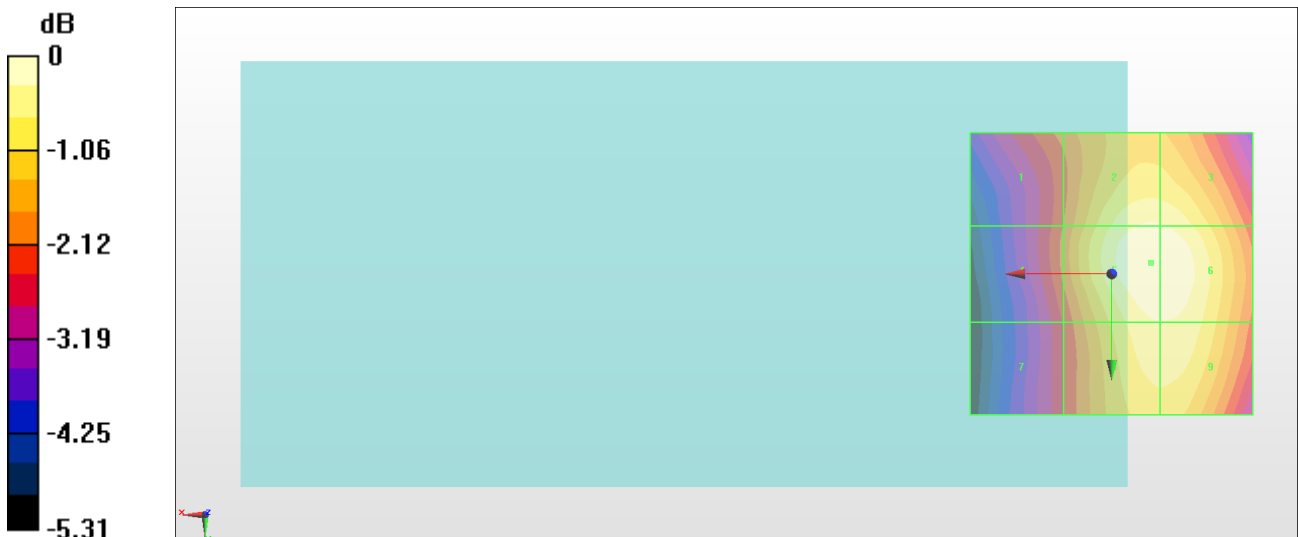
Grid 1 <b>M4</b> <b>33.76 dBV/m</b>	Grid 2 <b>M4</b> <b>35.42 dBV/m</b>	Grid 3 <b>M4</b> <b>35.4 dBV/m</b>
Grid 4 <b>M4</b> <b>33.75 dBV/m</b>	Grid 5 <b>M4</b> <b>35.72 dBV/m</b>	Grid 6 <b>M4</b> <b>35.7 dBV/m</b>
Grid 7 <b>M4</b> <b>33.3 dBV/m</b>	Grid 8 <b>M4</b> <b>35.35 dBV/m</b>	Grid 9 <b>M4</b> <b>35.35 dBV/m</b>

**Cursor:**

Total = 35.72 dBV/m

E Category: M4

Location: -7, -2, 8.7 mm



0 dB = 61.06 V/m = 35.72 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,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>

Ambient Temperature : 23.5 °C

DASY5 Configuration:

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2018/1/19;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn854; Calibrated: 2018/6/14
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

### 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 = 49.86 V/m; Power Drift = -0.03 dB

Applied MIF = 3.63 dB

RF audio interference level = 35.34 dBV/m

**Emission category: M4**

MIF scaled E-field

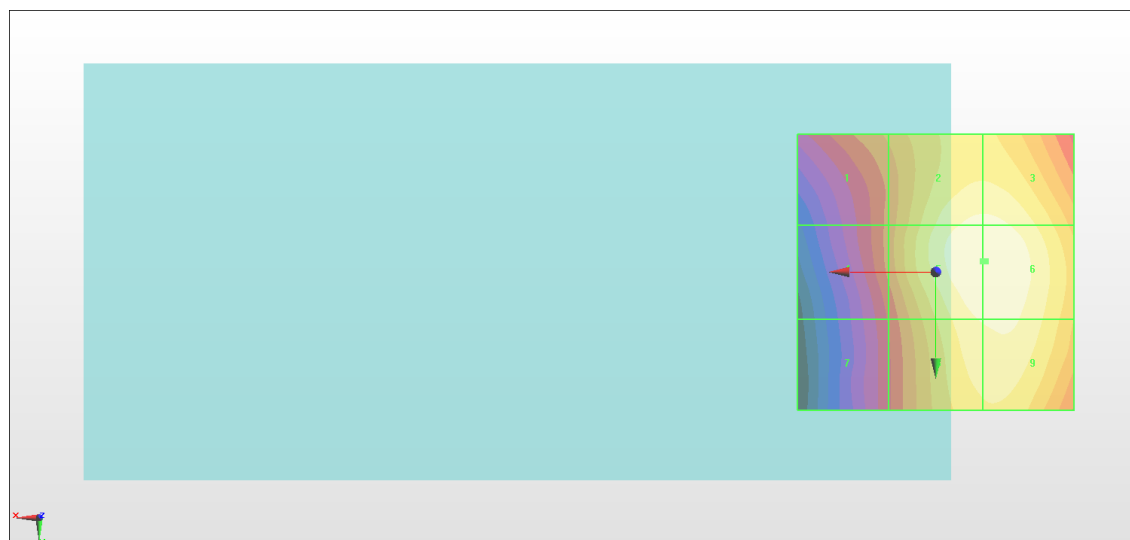
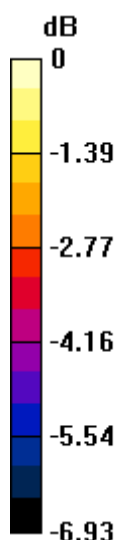
Grid 1 <b>M4</b> <b>33.16 dBV/m</b>	Grid 2 <b>M4</b> <b>35.04 dBV/m</b>	Grid 3 <b>M4</b> <b>35.04 dBV/m</b>
Grid 4 <b>M4</b> <b>32.81 dBV/m</b>	Grid 5 <b>M4</b> <b>35.34 dBV/m</b>	Grid 6 <b>M4</b> <b>35.34 dBV/m</b>
Grid 7 <b>M4</b> <b>32.2 dBV/m</b>	Grid 8 <b>M4</b> <b>34.92 dBV/m</b>	Grid 9 <b>M4</b> <b>34.98 dBV/m</b>

**Cursor:**

Total = 35.34 dBV/m

E Category: M4

Location: -9, -2, 8.7 mm



0 dB = 58.49 V/m = 35.34 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,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>

Ambient Temperature : 23.5 °C

DASY5 Configuration:

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2018/1/19;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn854; Calibrated: 2018/6/14
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

### 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 = 28.13 V/m; Power Drift = 0.03 dB

Applied MIF = 3.63 dB

RF audio interference level = 28.59 dBV/m

**Emission category: M4**

MIF scaled E-field

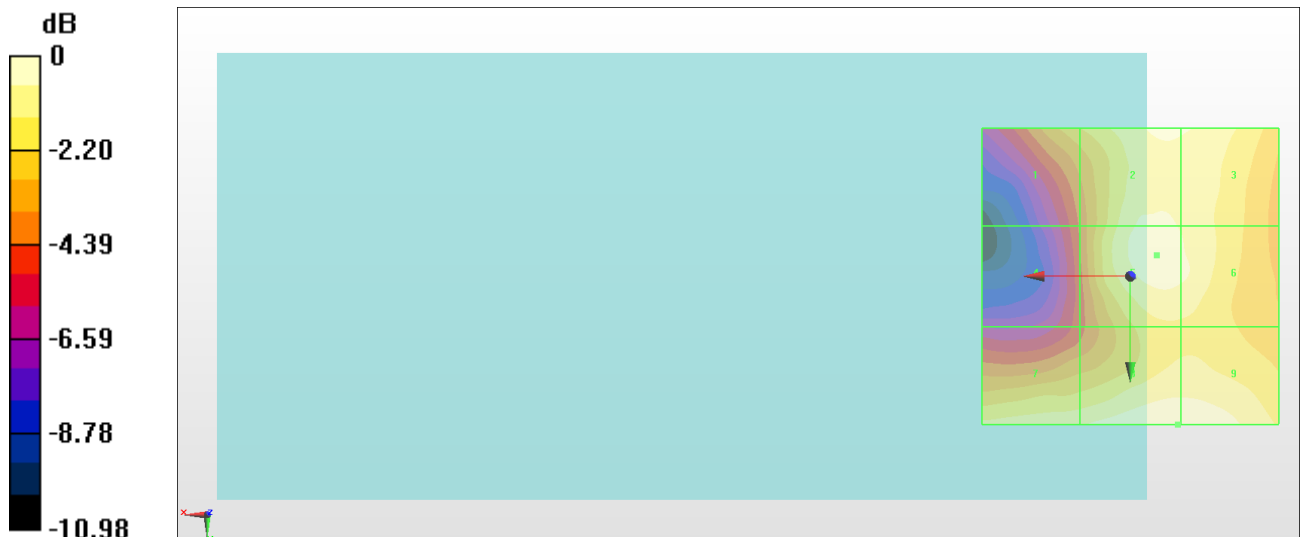
Grid 1 <b>M4</b> <b>26.39 dBV/m</b>	Grid 2 <b>M4</b> <b>28.06 dBV/m</b>	Grid 3 <b>M4</b> <b>27.96 dBV/m</b>
Grid 4 <b>M4</b> <b>24.35 dBV/m</b>	Grid 5 <b>M4</b> <b>28.25 dBV/m</b>	Grid 6 <b>M4</b> <b>28.02 dBV/m</b>
Grid 7 <b>M4</b> <b>27.76 dBV/m</b>	Grid 8 <b>M4</b> <b>28.59 dBV/m</b>	Grid 9 <b>M4</b> <b>28.59 dBV/m</b>

**Cursor:**

Total = 28.59 dBV/m

E Category: M4

Location: -8, 25, 8.7 mm



0 dB = 26.87 V/m = 28.59 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,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>

Ambient Temperature : 23.5 °C

DASY5 Configuration:

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2018/1/19;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn854; Calibrated: 2018/6/14
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

### 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 = 27.44 V/m; Power Drift = -0.04 dB

Applied MIF = 3.63 dB

RF audio interference level = 28.54 dBV/m

**Emission category: M4**

MIF scaled E-field

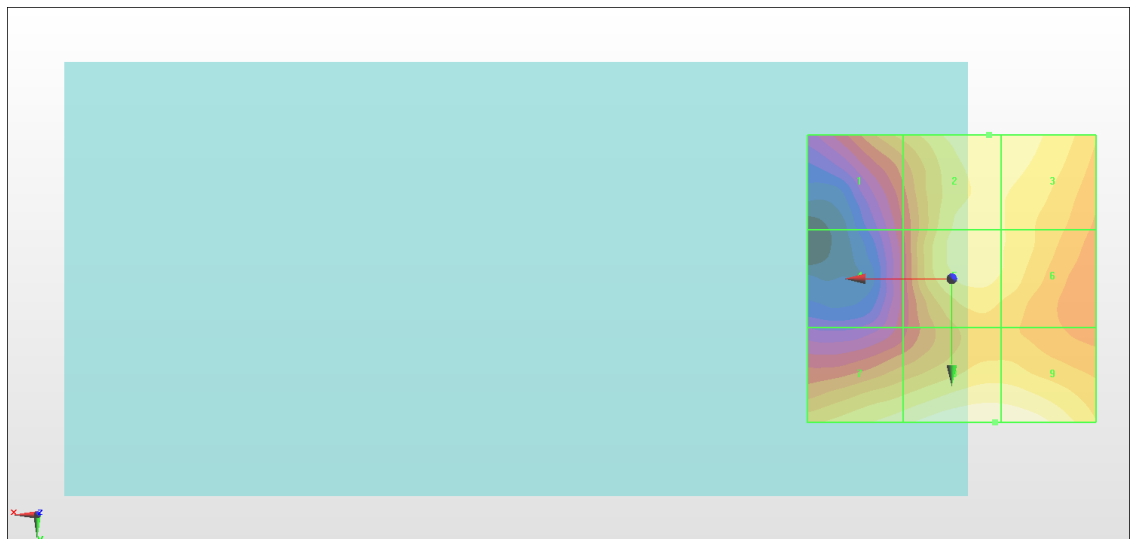
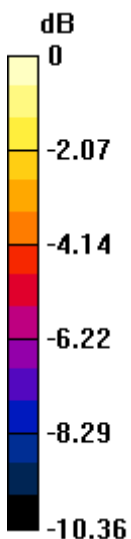
Grid 1 <b>M4</b> <b>26.08 dBV/m</b>	Grid 2 <b>M4</b> <b>27.87 dBV/m</b>	Grid 3 <b>M4</b> <b>27.81 dBV/m</b>
Grid 4 <b>M4</b> <b>23.65 dBV/m</b>	Grid 5 <b>M4</b> <b>27.67 dBV/m</b>	Grid 6 <b>M4</b> <b>27.26 dBV/m</b>
Grid 7 <b>M4</b> <b>27.63 dBV/m</b>	Grid 8 <b>M4</b> <b>28.54 dBV/m</b>	Grid 9 <b>M4</b> <b>28.53 dBV/m</b>

**Cursor:**

Total = 28.54 dBV/m

E Category: M4

Location: -7.5, 25, 8.7 mm



0 dB = 26.72 V/m = 28.54 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,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>

Ambient Temperature : 23.5 °C

DASY5 Configuration:

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2018/1/19;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn854; Calibrated: 2018/6/14
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

### 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 = 27.33 V/m; Power Drift = -0.01 dB

Applied MIF = 3.63 dB

RF audio interference level = 28.48 dBV/m

**Emission category: M4**

MIF scaled E-field

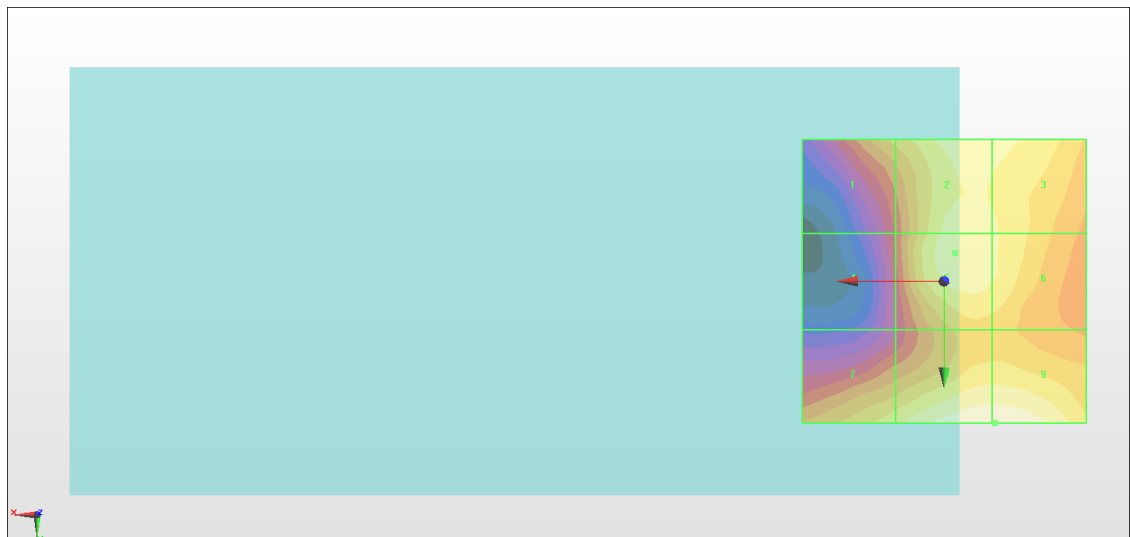
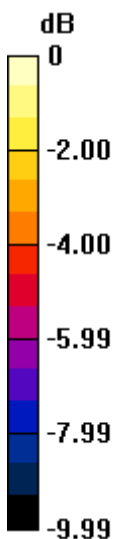
Grid 1 <b>M4</b> <b>26.14 dBV/m</b>	Grid 2 <b>M4</b> <b>27.73 dBV/m</b>	Grid 3 <b>M4</b> <b>27.49 dBV/m</b>
Grid 4 <b>M4</b> <b>23.99 dBV/m</b>	Grid 5 <b>M4</b> <b>27.75 dBV/m</b>	Grid 6 <b>M4</b> <b>27.3 dBV/m</b>
Grid 7 <b>M4</b> <b>26.99 dBV/m</b>	Grid 8 <b>M4</b> <b>28.47 dBV/m</b>	Grid 9 <b>M4</b> <b>28.48 dBV/m</b>

**Cursor:**

Total = 28.48 dBV/m

E Category: M4

Location: -9, 25, 8.7 mm



0 dB = 26.54 V/m = 28.48 dBV/m

### #07\_HAC\_E\_LTE Band 38\_20M\_QPSK\_1\_0\_Ch37850

Communication System: LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK); Frequency: 2580 MHz; Duty Cycle: 1:8.33681

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 - SN2358; ConvF(1, 1, 1); Calibrated: 2018/1/19;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn854; Calibrated: 2018/6/14
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

### 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 = 11.51 V/m; Power Drift = -0.16 dB

Applied MIF = -1.62 dB

RF audio interference level = 23.59 dBV/m

**Emission category: M4**

MIF scaled E-field

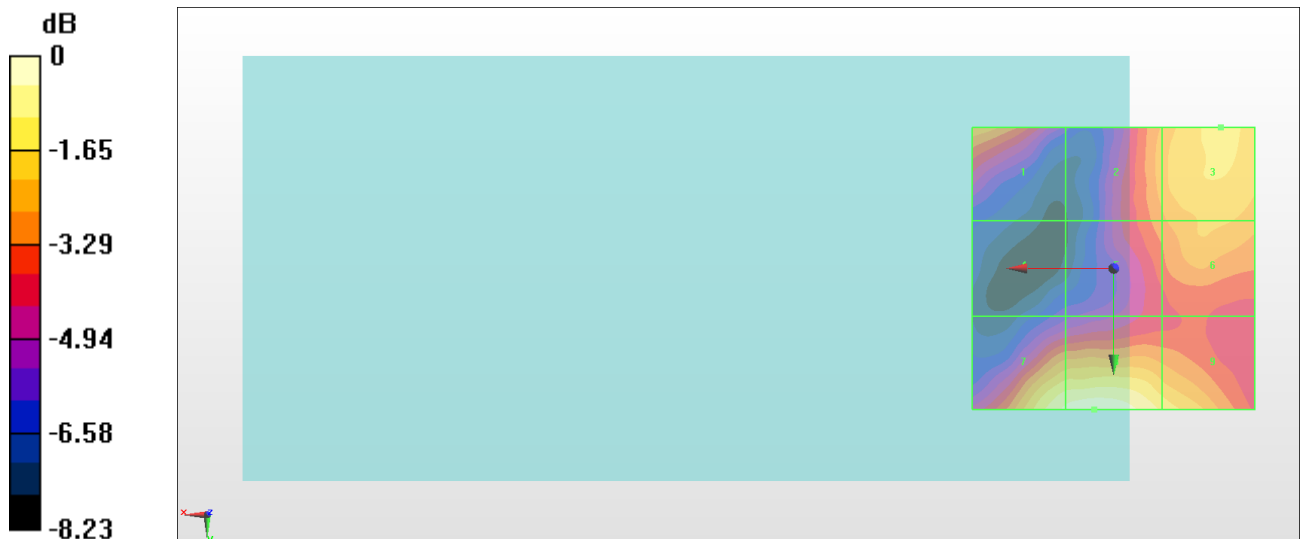
<b>Grid 1 M4</b> <b>21.33 dBV/m</b>	<b>Grid 2 M4</b> <b>21.17 dBV/m</b>	<b>Grid 3 M4</b> <b>22.16 dBV/m</b>
<b>Grid 4 M4</b> <b>17.98 dBV/m</b>	<b>Grid 5 M4</b> <b>20.7 dBV/m</b>	<b>Grid 6 M4</b> <b>21.52 dBV/m</b>
<b>Grid 7 M4</b> <b>23.21 dBV/m</b>	<b>Grid 8 M4</b> <b>23.59 dBV/m</b>	<b>Grid 9 M4</b> <b>22.41 dBV/m</b>

**Cursor:**

Total = 23.59 dBV/m

E Category: M4

Location: 3.5, 25, 8.7 mm



0 dB = 15.13 V/m = 23.60 dBV/m

## #08\_HAC\_E\_LTE Band 38\_20M\_QPSK\_1\_0\_Ch38000

Communication System: LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK); Frequency: 2575 MHz; Duty Cycle: 1:8.33681

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 - SN2358; ConvF(1, 1, 1); Calibrated: 2018/1/19;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn854; Calibrated: 2018/6/14
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

### 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 = 8.565 V/m; Power Drift = 0.01 dB

Applied MIF = -1.62 dB

RF audio interference level = 22.15 dBV/m

**Emission category: M4**

MIF scaled E-field

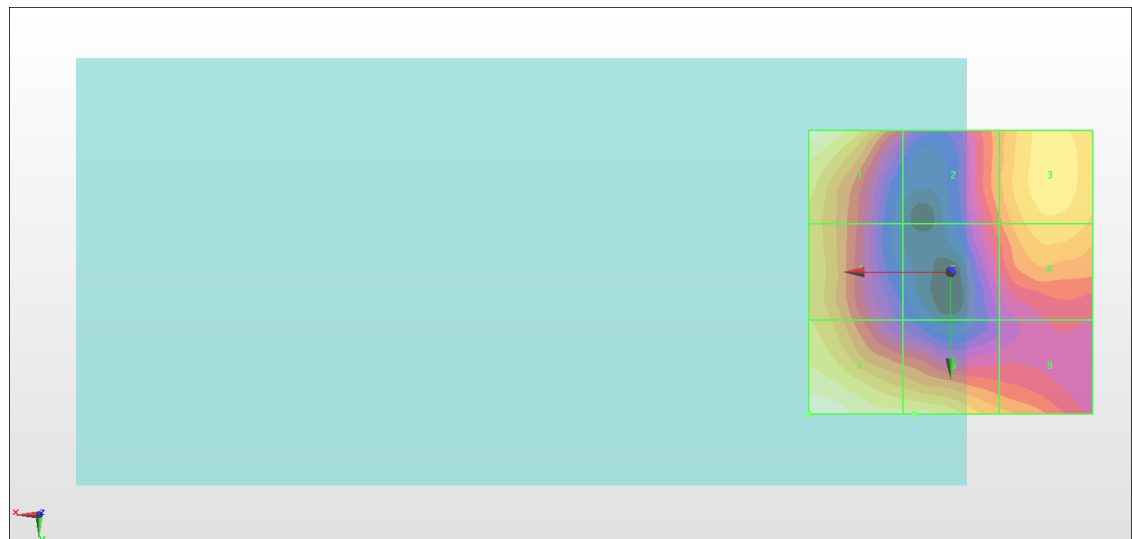
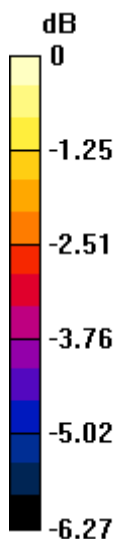
Grid 1 <b>M4</b> <b>21.94 dBV/m</b>	Grid 2 <b>M4</b> <b>19.99 dBV/m</b>	Grid 3 <b>M4</b> <b>21.15 dBV/m</b>
Grid 4 <b>M4</b> <b>20.93 dBV/m</b>	Grid 5 <b>M4</b> <b>19.53 dBV/m</b>	Grid 6 <b>M4</b> <b>20.8 dBV/m</b>
Grid 7 <b>M4</b> <b>22.15 dBV/m</b>	Grid 8 <b>M4</b> <b>21.47 dBV/m</b>	Grid 9 <b>M4</b> <b>20.26 dBV/m</b>

**Cursor:**

Total = 22.15 dBV/m

E Category: M4

Location: 25, 25, 8.7 mm



0 dB = 12.81 V/m = 22.15 dBV/m



### #09\_HAC\_E\_LTE Band 38\_20M\_QPSK\_1\_0\_Ch38150

Communication System: LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK); Frequency: 2610 MHz; Duty Cycle: 1:8.33681

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 - SN2358; ConvF(1, 1, 1); Calibrated: 2018/1/19;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn854; Calibrated: 2018/6/14
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

### 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 = 6.489 V/m; Power Drift = 0.17 dB

Applied MIF = -1.62 dB

RF audio interference level = 21.29 dBV/m

**Emission category: M4**

MIF scaled E-field

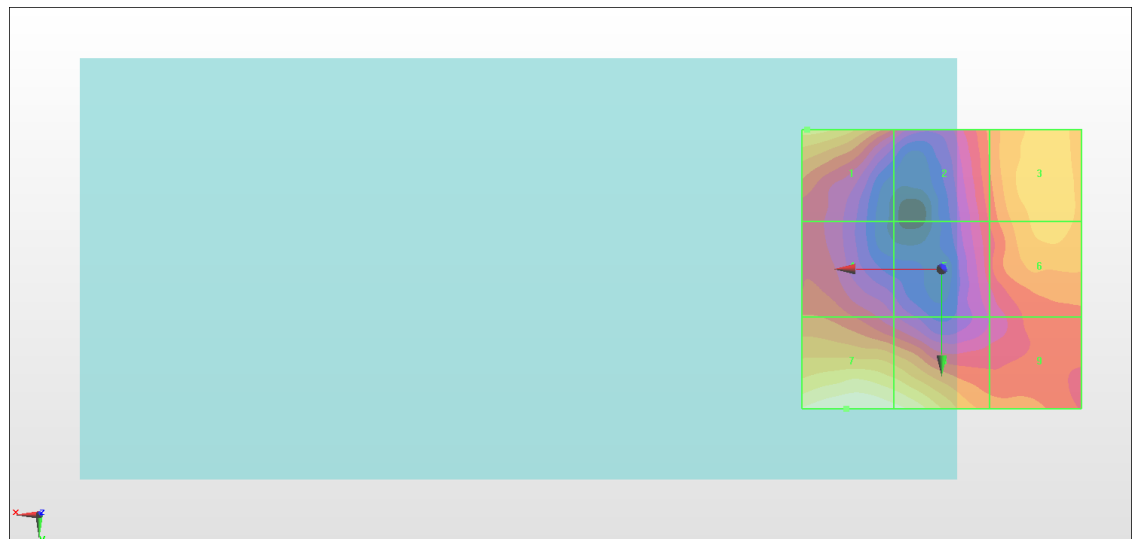
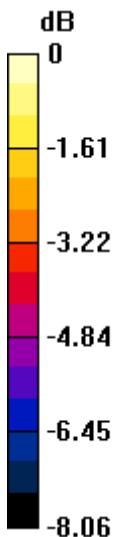
<b>Grid 1 M4</b> <b>19.98 dBV/m</b>	<b>Grid 2 M4</b> <b>18.21 dBV/m</b>	<b>Grid 3 M4</b> <b>19.54 dBV/m</b>
<b>Grid 4 M4</b> <b>18.14 dBV/m</b>	<b>Grid 5 M4</b> <b>17.58 dBV/m</b>	<b>Grid 6 M4</b> <b>19.39 dBV/m</b>
<b>Grid 7 M4</b> <b>21.29 dBV/m</b>	<b>Grid 8 M4</b> <b>20.96 dBV/m</b>	<b>Grid 9 M4</b> <b>18.45 dBV/m</b>

**Cursor:**

Total = 21.29 dBV/m

E Category: M4

Location: 17, 25, 8.7 mm



0 dB = 11.60 V/m = 21.29 dBV/m