

## #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 : 23.4 °C

### DASY5 Configuration

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2018/1/19;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn854; Calibrated: 2017/5/2
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

### 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 = 38.62 V/m; Power Drift = 0.02 dB

Applied MIF = 3.63 dB

RF audio interference level = 35.86 dBV/m

**Emission category: M4**

MIF scaled E-field

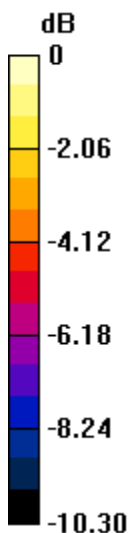
Grid 1 <b>M4</b> <b>31.48 dBV/m</b>	Grid 2 <b>M4</b> <b>34.3 dBV/m</b>	Grid 3 <b>M4</b> <b>34.62 dBV/m</b>
Grid 4 <b>M4</b> <b>33.02 dBV/m</b>	Grid 5 <b>M4</b> <b>35.3 dBV/m</b>	Grid 6 <b>M4</b> <b>35.5 dBV/m</b>
Grid 7 <b>M4</b> <b>34.35 dBV/m</b>	Grid 8 <b>M4</b> <b>35.84 dBV/m</b>	Grid 9 <b>M4</b> <b>35.86 dBV/m</b>

**Cursor:**

Total = 35.86 dBV/m

E Category: M4

Location: -10.5, 23.5, 8.7 mm



0 dB = 62.08 V/m = 35.86 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 : 23.4 °C

### DASY5 Configuration

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2018/1/19;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn854; Calibrated: 2017/5/2
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

### 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 = 33.73 V/m; Power Drift = -0.00 dB

Applied MIF = 3.63 dB

RF audio interference level = 35.28 dBV/m

**Emission category: M4**

MIF scaled E-field

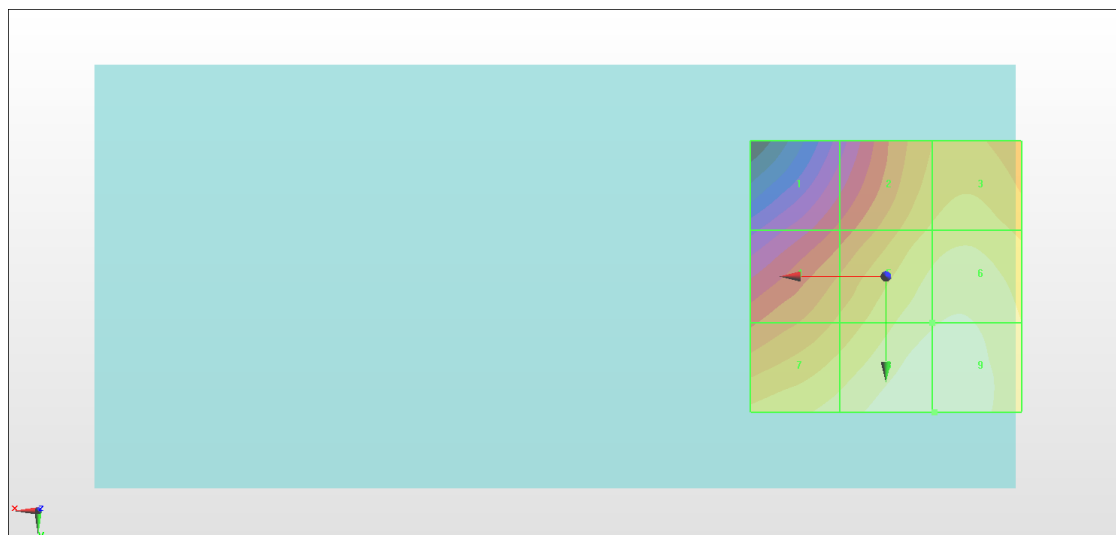
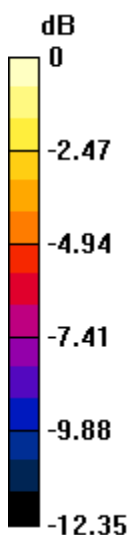
Grid 1 <b>M4</b> <b>29.83 dBV/m</b>	Grid 2 <b>M4</b> <b>32.97 dBV/m</b>	Grid 3 <b>M4</b> <b>33.37 dBV/m</b>
Grid 4 <b>M4</b> <b>32.18 dBV/m</b>	Grid 5 <b>M4</b> <b>34.37 dBV/m</b>	Grid 6 <b>M4</b> <b>34.55 dBV/m</b>
Grid 7 <b>M4</b> <b>34.06 dBV/m</b>	Grid 8 <b>M4</b> <b>35.28 dBV/m</b>	Grid 9 <b>M4</b> <b>35.28 dBV/m</b>

**Cursor:**

Total = 35.28 dBV/m

E Category: M4

Location: -9, 25, 8.7 mm



0 dB = 58.09 V/m = 35.28 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 : 23.4 °C

#### DASY5 Configuration

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2018/1/19;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn854; Calibrated: 2017/5/2
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

### 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 = 29.76 V/m; Power Drift = 0.14 dB

Applied MIF = 3.63 dB

RF audio interference level = 34.91 dBV/m

**Emission category: M4**

MIF scaled E-field

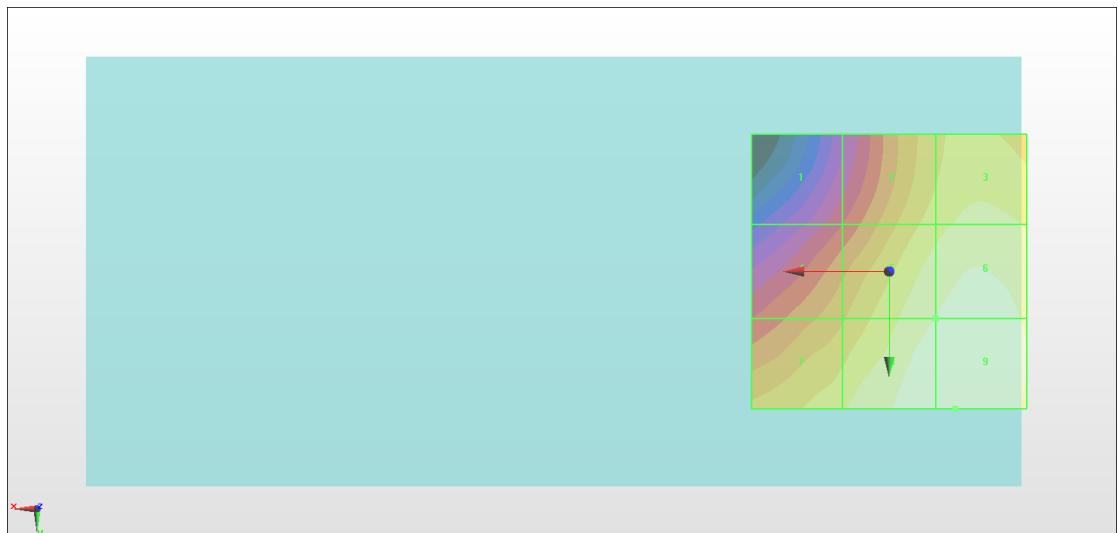
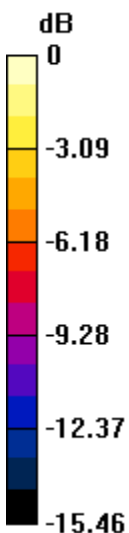
Grid 1 <b>M4</b> <b>27.75 dBV/m</b>	Grid 2 <b>M4</b> <b>32.43 dBV/m</b>	Grid 3 <b>M4</b> <b>33.22 dBV/m</b>
Grid 4 <b>M4</b> <b>30.67 dBV/m</b>	Grid 5 <b>M4</b> <b>33.91 dBV/m</b>	Grid 6 <b>M4</b> <b>34.36 dBV/m</b>
Grid 7 <b>M4</b> <b>32.73 dBV/m</b>	Grid 8 <b>M4</b> <b>34.83 dBV/m</b>	Grid 9 <b>M4</b> <b>34.91 dBV/m</b>

**Cursor:**

Total = 34.91 dBV/m

E Category: M4

Location: -12, 25, 8.7 mm



0 dB = 55.65 V/m = 34.91 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 : 23.4 °C

### DASY5 Configuration

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2018/1/19;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn854; Calibrated: 2017/5/2
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

### 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 = 33.49 V/m; Power Drift = -0.01 dB

Applied MIF = 3.63 dB

RF audio interference level = 34.12 dBV/m

**Emission category: M3**

MIF scaled E-field

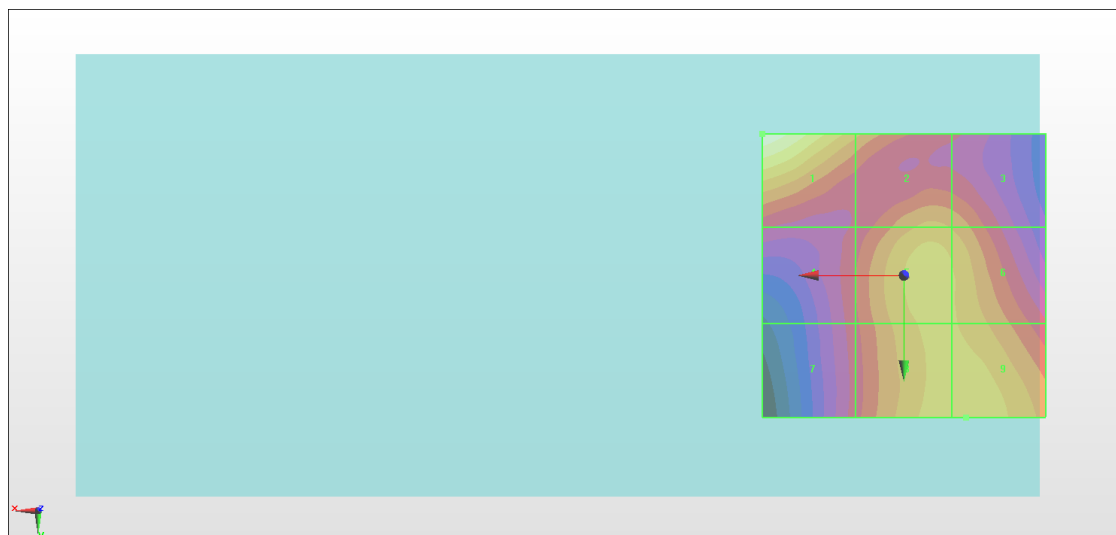
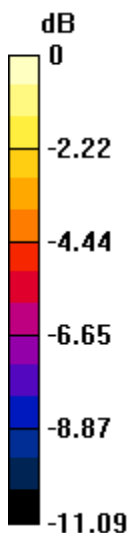
Grid 1 <b>M3</b> <b>34.12 dBV/m</b>	Grid 2 <b>M3</b> <b>30.71 dBV/m</b>	Grid 3 <b>M3</b> <b>30.36 dBV/m</b>
Grid 4 <b>M4</b> <b>28.96 dBV/m</b>	Grid 5 <b>M3</b> <b>31.62 dBV/m</b>	Grid 6 <b>M3</b> <b>31.27 dBV/m</b>
Grid 7 <b>M4</b> <b>28.79 dBV/m</b>	Grid 8 <b>M3</b> <b>31.77 dBV/m</b>	Grid 9 <b>M3</b> <b>31.81 dBV/m</b>

**Cursor:**

Total = 34.12 dBV/m

E Category: M3

Location: 25, -25, 8.7 mm



0 dB = 50.80 V/m = 34.12 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 : 23.4 °C

#### DASY5 Configuration

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2018/1/19;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn854; Calibrated: 2017/5/2
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

#### 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 = 23.24 V/m; Power Drift = -0.03 dB

Applied MIF = 3.63 dB

RF audio interference level = 31.15 dBV/m

**Emission category: M3**

MIF scaled E-field

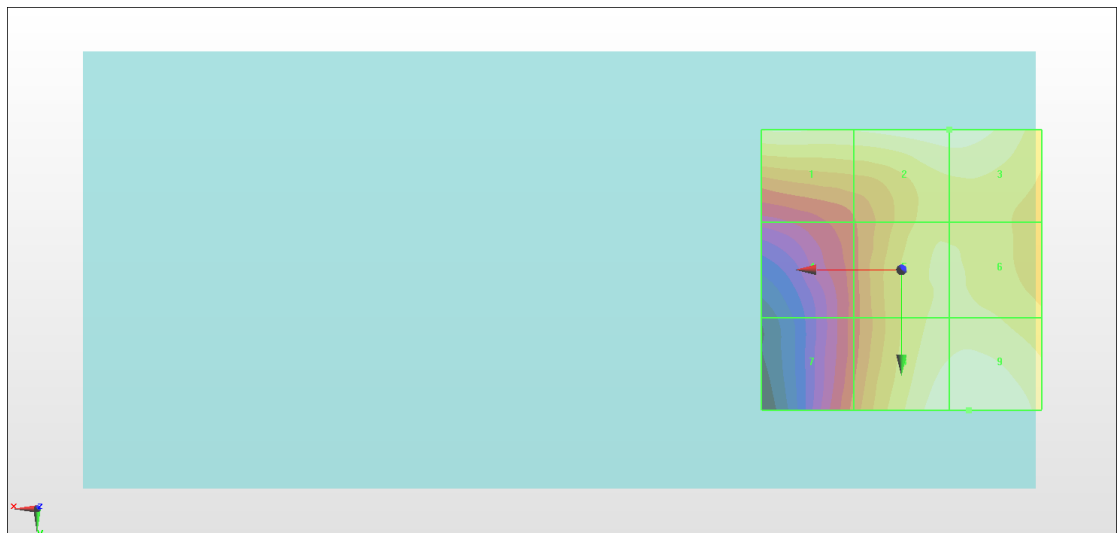
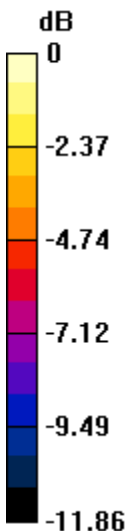
Grid 1 <b>M3</b> <b>30.52 dBV/m</b>	Grid 2 <b>M3</b> <b>30.98 dBV/m</b>	Grid 3 <b>M3</b> <b>30.98 dBV/m</b>
Grid 4 <b>M4</b> <b>26.34 dBV/m</b>	Grid 5 <b>M4</b> <b>29.85 dBV/m</b>	Grid 6 <b>M4</b> <b>29.89 dBV/m</b>
Grid 7 <b>M4</b> <b>26.75 dBV/m</b>	Grid 8 <b>M3</b> <b>30.99 dBV/m</b>	Grid 9 <b>M3</b> <b>31.15 dBV/m</b>

**Cursor:**

Total = 31.15 dBV/m

E Category: M3

Location: -12, 25, 8.7 mm



0 dB = 36.11 V/m = 31.15 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 : 23.4 °C

### DASY5 Configuration

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2018/1/19;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn854; Calibrated: 2017/5/2
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

### 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 = 12.48 V/m; Power Drift = 0.08 dB

Applied MIF = 3.63 dB

RF audio interference level = 31.47 dBV/m

**Emission category: M3**

MIF scaled E-field

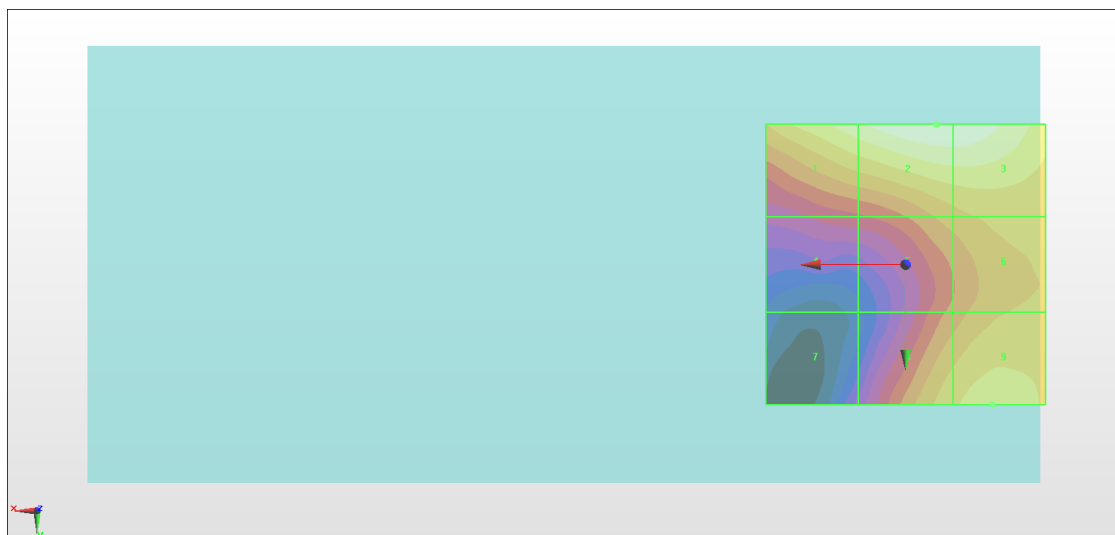
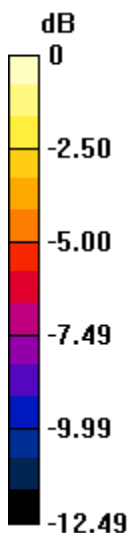
Grid 1 <b>M3</b> <b>30.47 dBV/m</b>	Grid 2 <b>M3</b> <b>31.47 dBV/m</b>	Grid 3 <b>M3</b> <b>31.42 dBV/m</b>
Grid 4 <b>M4</b> <b>25.5 dBV/m</b>	Grid 5 <b>M4</b> <b>27.78 dBV/m</b>	Grid 6 <b>M4</b> <b>28.4 dBV/m</b>
Grid 7 <b>M4</b> <b>23.54 dBV/m</b>	Grid 8 <b>M4</b> <b>28.83 dBV/m</b>	Grid 9 <b>M4</b> <b>29.38 dBV/m</b>

**Cursor:**

Total = 31.47 dBV/m

E Category: M3

Location: -5.5, -25, 8.7 mm



0 dB = 37.44 V/m = 31.47 dBV/m