

## #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 = 15.29 V/m; Power Drift = 0.09 dB

Applied MIF = 3.63 dB

RF audio interference level = 26.16 dBV/m

**Emission category: M4**

MIF scaled E-field

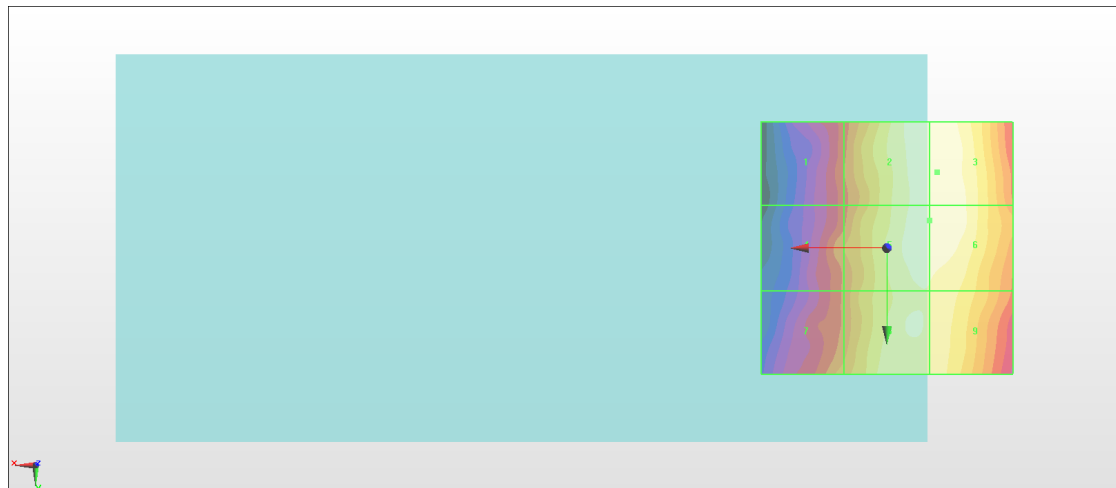
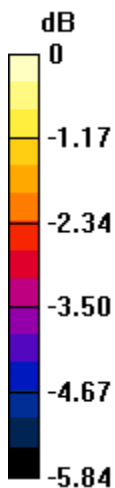
Grid 1 <b>M4</b> <b>23.81 dBV/m</b>	Grid 2 <b>M4</b> <b>26.12 dBV/m</b>	Grid 3 <b>M4</b> <b>26.16 dBV/m</b>
Grid 4 <b>M4</b> <b>24.21 dBV/m</b>	Grid 5 <b>M4</b> <b>26.07 dBV/m</b>	Grid 6 <b>M4</b> <b>26.09 dBV/m</b>
Grid 7 <b>M4</b> <b>24.47 dBV/m</b>	Grid 8 <b>M4</b> <b>25.85 dBV/m</b>	Grid 9 <b>M4</b> <b>25.76 dBV/m</b>

**Cursor:**

Total = 26.16 dBV/m

E Category: M4

Location: -10, -15, 8.7 mm



0 dB = 20.32 V/m = 26.16 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 = 15.53 V/m; Power Drift = 0.03 dB

Applied MIF = 3.63 dB

RF audio interference level = 26.40 dBV/m

**Emission category: M4**

MIF scaled E-field

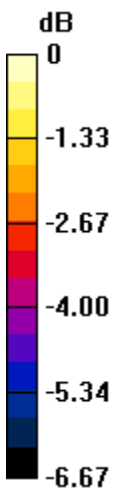
Grid 1 <b>M4</b> <b>23.43 dBV/m</b>	Grid 2 <b>M4</b> <b>26.04 dBV/m</b>	Grid 3 <b>M4</b> <b>26.06 dBV/m</b>
Grid 4 <b>M4</b> <b>23.69 dBV/m</b>	Grid 5 <b>M4</b> <b>25.98 dBV/m</b>	Grid 6 <b>M4</b> <b>26 dBV/m</b>
Grid 7 <b>M4</b> <b>24.44 dBV/m</b>	Grid 8 <b>M4</b> <b>26.4 dBV/m</b>	Grid 9 <b>M4</b> <b>26.11 dBV/m</b>

**Cursor:**

Total = 26.40 dBV/m

E Category: M4

Location: -5.5, 20, 8.7 mm



0 dB = 20.89 V/m = 26.40 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 = 14.71 V/m; Power Drift = -0.00 dB

Applied MIF = 3.63 dB

RF audio interference level = 25.85 dBV/m

**Emission category: M4**

MIF scaled E-field

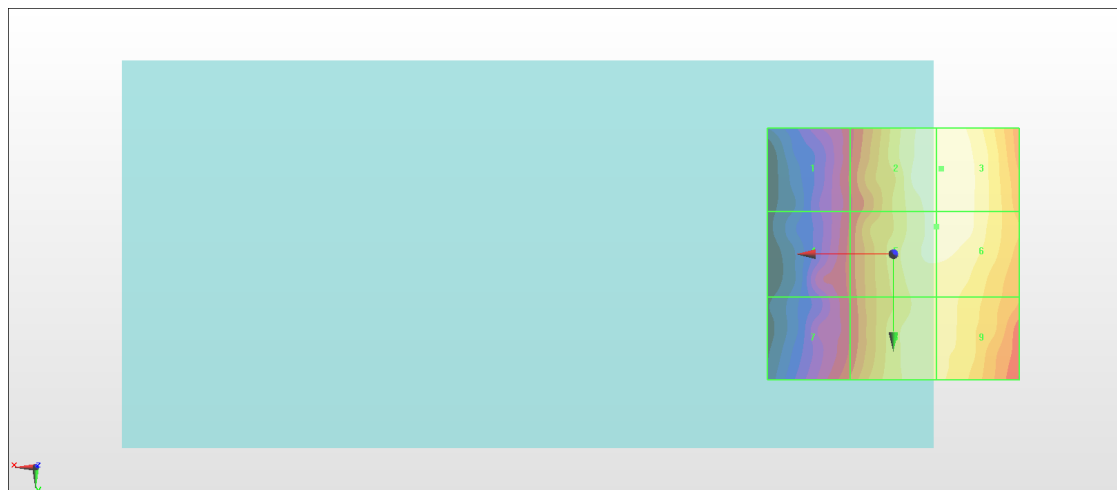
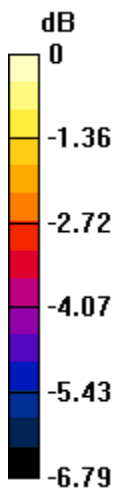
Grid 1 <b>M4</b> <b>22.8 dBV/m</b>	Grid 2 <b>M4</b> <b>25.84 dBV/m</b>	Grid 3 <b>M4</b> <b>25.85 dBV/m</b>
Grid 4 <b>M4</b> <b>22.93 dBV/m</b>	Grid 5 <b>M4</b> <b>25.63 dBV/m</b>	Grid 6 <b>M4</b> <b>25.7 dBV/m</b>
Grid 7 <b>M4</b> <b>23.24 dBV/m</b>	Grid 8 <b>M4</b> <b>25.23 dBV/m</b>	Grid 9 <b>M4</b> <b>25.22 dBV/m</b>

**Cursor:**

Total = 25.85 dBV/m

E Category: M4

Location: -9.5, -17, 8.7 mm



0 dB = 19.60 V/m = 25.85 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 = 5.069 V/m; Power Drift = 0.03 dB

Applied MIF = 3.63 dB

RF audio interference level = 19.79 dBV/m

**Emission category: M4**

MIF scaled E-field

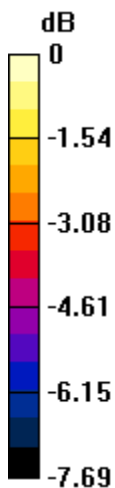
Grid 1 <b>M4</b> <b>17.59 dBV/m</b>	Grid 2 <b>M4</b> <b>17.94 dBV/m</b>	Grid 3 <b>M4</b> <b>16.72 dBV/m</b>
Grid 4 <b>M4</b> <b>17.2 dBV/m</b>	Grid 5 <b>M4</b> <b>17.47 dBV/m</b>	Grid 6 <b>M4</b> <b>17.09 dBV/m</b>
Grid 7 <b>M4</b> <b>17.57 dBV/m</b>	Grid 8 <b>M4</b> <b>19.79 dBV/m</b>	Grid 9 <b>M4</b> <b>19.38 dBV/m</b>

**Cursor:**

Total = 19.79 dBV/m

E Category: M4

Location: -5.5, 15, 8.7 mm



0 dB = 9.757 V/m = 19.79 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 = 7.037 V/m; Power Drift = -0.03 dB

Applied MIF = 3.63 dB

RF audio interference level = 19.91 dBV/m

**Emission category: M4**

MIF scaled E-field

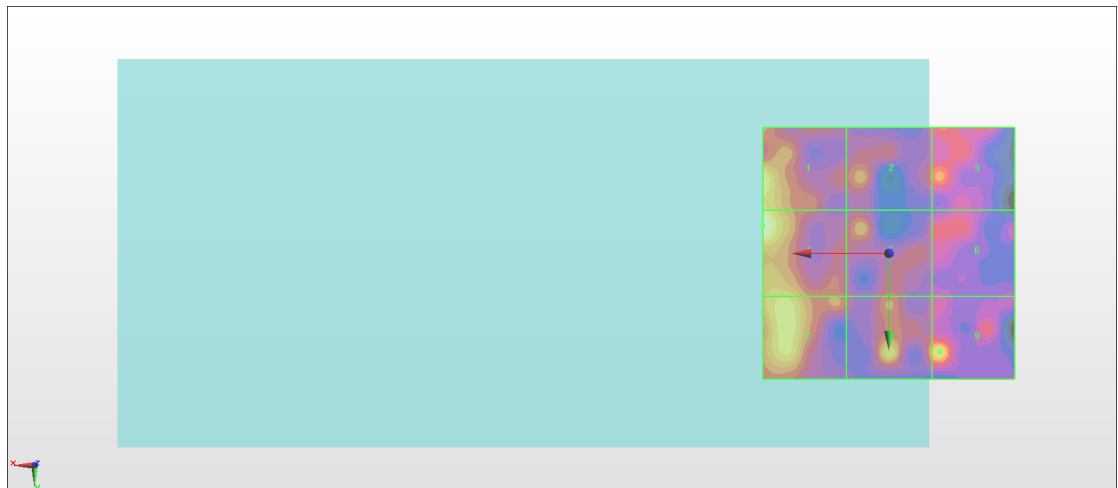
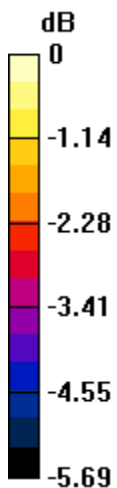
Grid 1 <b>M4</b> <b>19.36 dBV/m</b>	Grid 2 <b>M4</b> <b>17.89 dBV/m</b>	Grid 3 <b>M4</b> <b>17.81 dBV/m</b>
Grid 4 <b>M4</b> <b>19.91 dBV/m</b>	Grid 5 <b>M4</b> <b>17.94 dBV/m</b>	Grid 6 <b>M4</b> <b>17.16 dBV/m</b>
Grid 7 <b>M4</b> <b>19.06 dBV/m</b>	Grid 8 <b>M4</b> <b>18.79 dBV/m</b>	Grid 9 <b>M4</b> <b>18.88 dBV/m</b>

**Cursor:**

Total = 19.91 dBV/m

E Category: M4

Location: 25, -5.5, 8.7 mm



0 dB = 9.898 V/m = 19.91 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 = 5.321 V/m; Power Drift = 0.02 dB

Applied MIF = 3.63 dB

RF audio interference level = 20.04 dBV/m

**Emission category: M4**

MIF scaled E-field

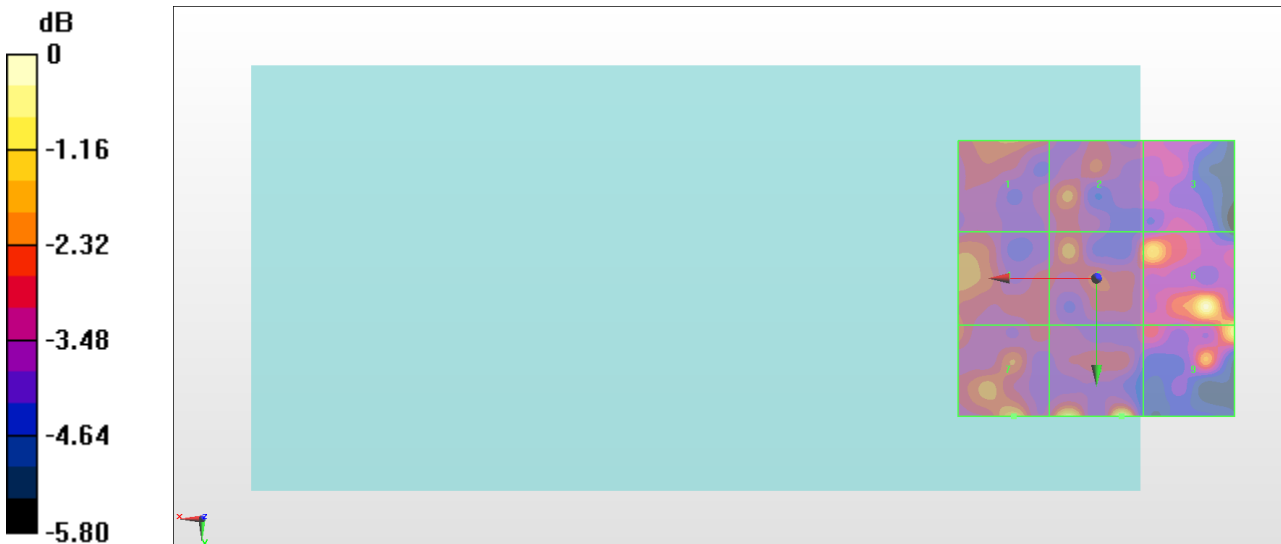
Grid 1 <b>M4</b> <b>17.85 dBV/m</b>	Grid 2 <b>M4</b> <b>17.87 dBV/m</b>	Grid 3 <b>M4</b> <b>16.89 dBV/m</b>
Grid 4 <b>M4</b> <b>17.97 dBV/m</b>	Grid 5 <b>M4</b> <b>17.98 dBV/m</b>	Grid 6 <b>M4</b> <b>19.8 dBV/m</b>
Grid 7 <b>M4</b> <b>18.57 dBV/m</b>	Grid 8 <b>M4</b> <b>20.04 dBV/m</b>	Grid 9 <b>M4</b> <b>19.36 dBV/m</b>

**Cursor:**

Total = 20.04 dBV/m

E Category: M4

Location: -4.5, 25, 8.7 mm



0 dB = 10.05 V/m = 20.04 dBV/m