

## #01\_HAC\_E\_GSM850\_Voice\_Ch128

Communication System: GSM-FDD (TDMA, GMSK); Frequency: 824.2 MHz; Duty Cycle: 1:8.69961

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

Ambient Temperature : 23.7 °C

### DASY5 Configuration

- Probe: EF3DV3 - SN4047; ConvF(1, 1, 1) @ 824.2 MHz; Calibrated: 2020/1/24

- Sensor-Surface: (Fix Surface)

- Electronics: DAE3 Sn495; Calibrated: 2020/7/21

- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;

- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

### 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 = 42.11 V/m; Power Drift = -0.01 dB

Applied MIF = 3.63 dB

RF audio interference level = 33.36 dBV/m

**Emission category: M4**

MIF scaled E-field

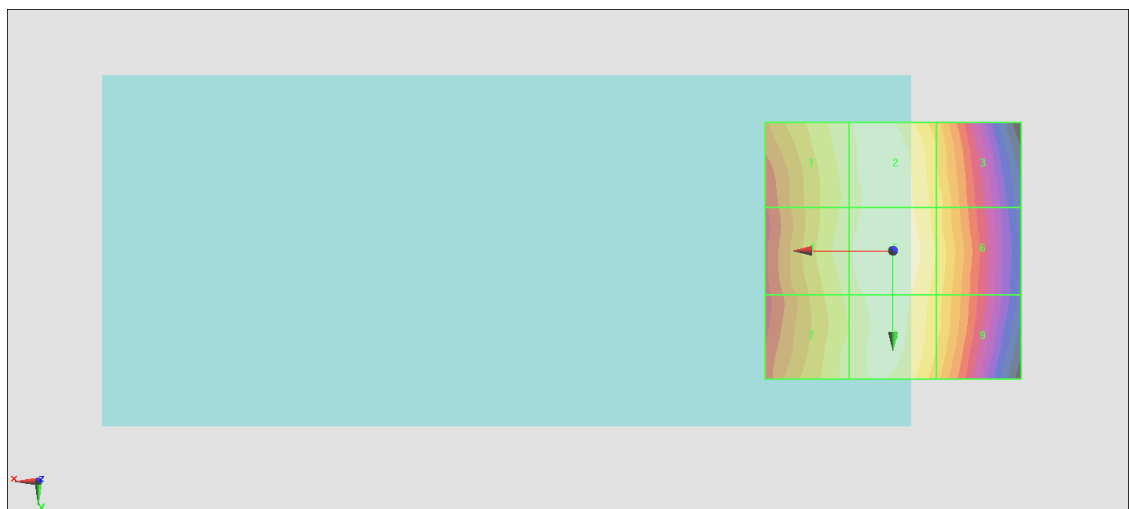
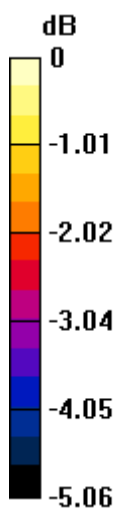
Grid 1 <b>M4</b> <b>32.97 dBV/m</b>	Grid 2 <b>M4</b> <b>33.25 dBV/m</b>	Grid 3 <b>M4</b> <b>32.54 dBV/m</b>
Grid 4 <b>M4</b> <b>32.99 dBV/m</b>	Grid 5 <b>M4</b> <b>33.36 dBV/m</b>	Grid 6 <b>M4</b> <b>32.65 dBV/m</b>
Grid 7 <b>M4</b> <b>32.83 dBV/m</b>	Grid 8 <b>M4</b> <b>33.19 dBV/m</b>	Grid 9 <b>M4</b> <b>32.51 dBV/m</b>

**Cursor:**

Total = 33.36 dBV/m

E Category: M4

Location: 0.5, 0, 8.7 mm



0 dB = 46.56 V/m = 33.36 dBV/m

## #02\_HAC\_E\_GSM850\_Voice\_Ch189

Communication System: GSM-FDD (TDMA, GMSK); Frequency: 836.4 MHz; Duty Cycle: 1:8.69961

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

Ambient Temperature : 23.7 °C

### DASY5 Configuration

- Probe: EF3DV3 - SN4047; ConvF(1, 1, 1) @ 836.4 MHz; Calibrated: 2020/1/24

- Sensor-Surface: (Fix Surface)

- Electronics: DAE3 Sn495; Calibrated: 2020/7/21

- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;

- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

### 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 = 42.09 V/m; Power Drift = -0.03 dB

Applied MIF = 3.63 dB

RF audio interference level = 33.51 dBV/m

**Emission category: M4**

MIF scaled E-field

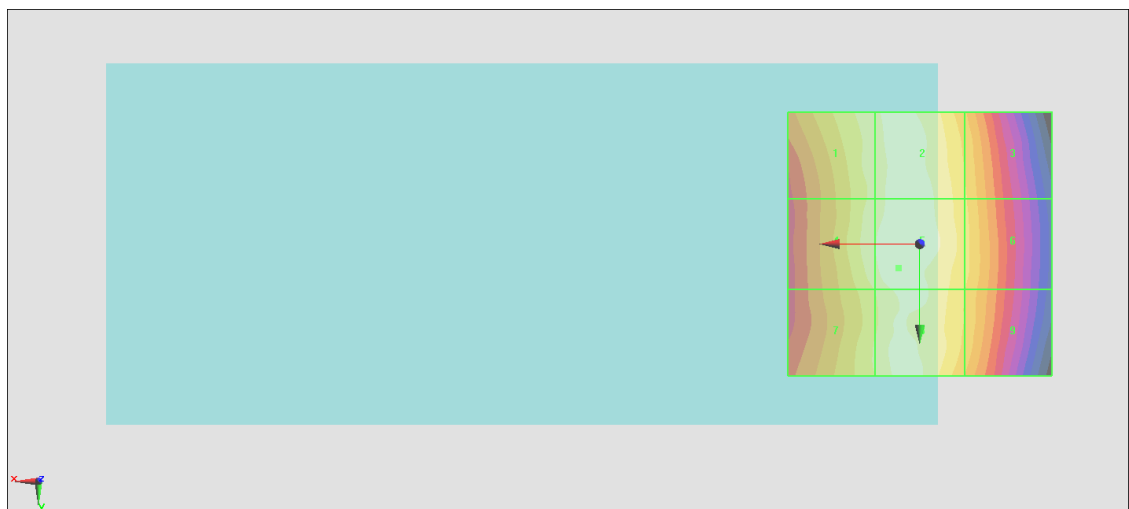
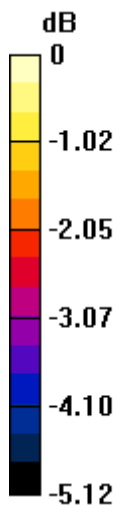
Grid 1 <b>M4</b> <b>33.09 dBV/m</b>	Grid 2 <b>M4</b> <b>33.33 dBV/m</b>	Grid 3 <b>M4</b> <b>32.55 dBV/m</b>
Grid 4 <b>M4</b> <b>33.14 dBV/m</b>	Grid 5 <b>M4</b> <b>33.51 dBV/m</b>	Grid 6 <b>M4</b> <b>32.63 dBV/m</b>
Grid 7 <b>M4</b> <b>32.88 dBV/m</b>	Grid 8 <b>M4</b> <b>33.29 dBV/m</b>	Grid 9 <b>M4</b> <b>32.5 dBV/m</b>

**Cursor:**

Total = 33.51 dBV/m

E Category: M4

Location: 4, 4.5, 8.7 mm



0 dB = 47.34 V/m = 33.50 dBV/m

### #03\_HAC\_E\_GSM850\_Voice\_Ch251

Communication System: GSM-FDD (TDMA, GMSK); Frequency: 848.8 MHz; Duty Cycle: 1:8.69961

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

Ambient Temperature : 23.7 °C

#### DASY5 Configuration

- Probe: EF3DV3 - SN4047; ConvF(1, 1, 1) @ 848.8 MHz; Calibrated: 2020/1/24

- Sensor-Surface: (Fix Surface)

- Electronics: DAE3 Sn495; Calibrated: 2020/7/21

- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;

- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

### 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 = 45.78 V/m; Power Drift = 0.04 dB

Applied MIF = 3.63 dB

RF audio interference level = 34.04 dBV/m

**Emission category: M4**

MIF scaled E-field

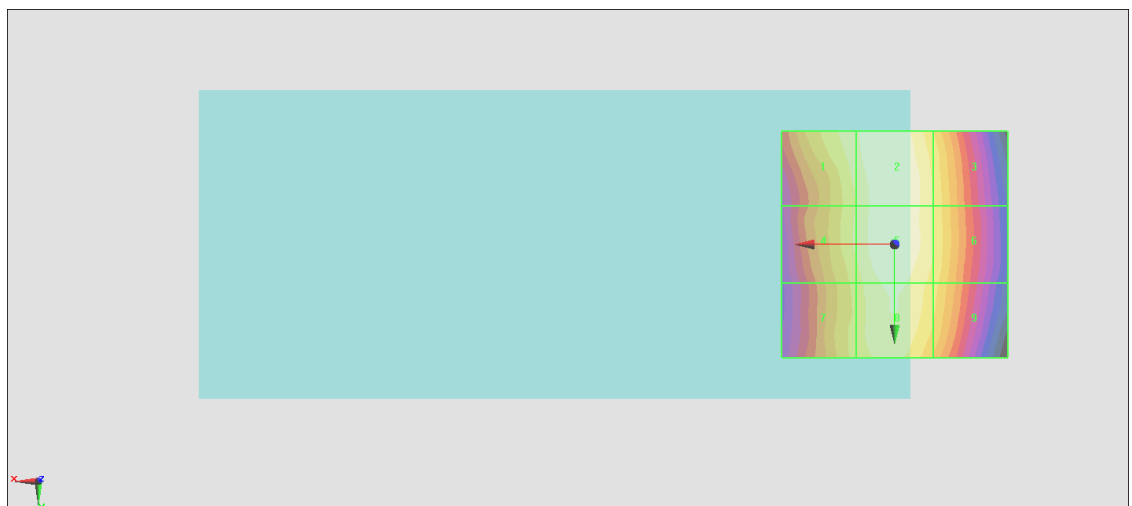
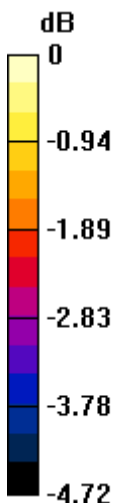
Grid 1 <b>M4</b> <b>33.68 dBV/m</b>	Grid 2 <b>M4</b> <b>34.03 dBV/m</b>	Grid 3 <b>M4</b> <b>33.41 dBV/m</b>
Grid 4 <b>M4</b> <b>33.5 dBV/m</b>	Grid 5 <b>M4</b> <b>34.04 dBV/m</b>	Grid 6 <b>M4</b> <b>33.43 dBV/m</b>
Grid 7 <b>M4</b> <b>33.28 dBV/m</b>	Grid 8 <b>M4</b> <b>33.79 dBV/m</b>	Grid 9 <b>M4</b> <b>33.26 dBV/m</b>

**Cursor:**

Total = 34.04 dBV/m

E Category: M4

Location: 0, -0.5, 8.7 mm



0 dB = 50.36 V/m = 34.04 dBV/m

## #04\_HAC\_E\_GSM1900\_Voice\_Ch512

Communication System: GSM-FDD (TDMA, GMSK); Frequency: 1850.2 MHz; Duty Cycle: 1:8.69961

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

Ambient Temperature : 23.7 °C

### DASY5 Configuration

- Probe: EF3DV3 - SN4047; ConvF(1, 1, 1) @ 1850.2 MHz; Calibrated: 2020/1/24
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn495; Calibrated: 2020/7/21
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

### 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 = 8.730 V/m; Power Drift = 0.16 dB

Applied MIF = 3.63 dB

RF audio interference level = 21.63 dBV/m

**Emission category: M4**

MIF scaled E-field

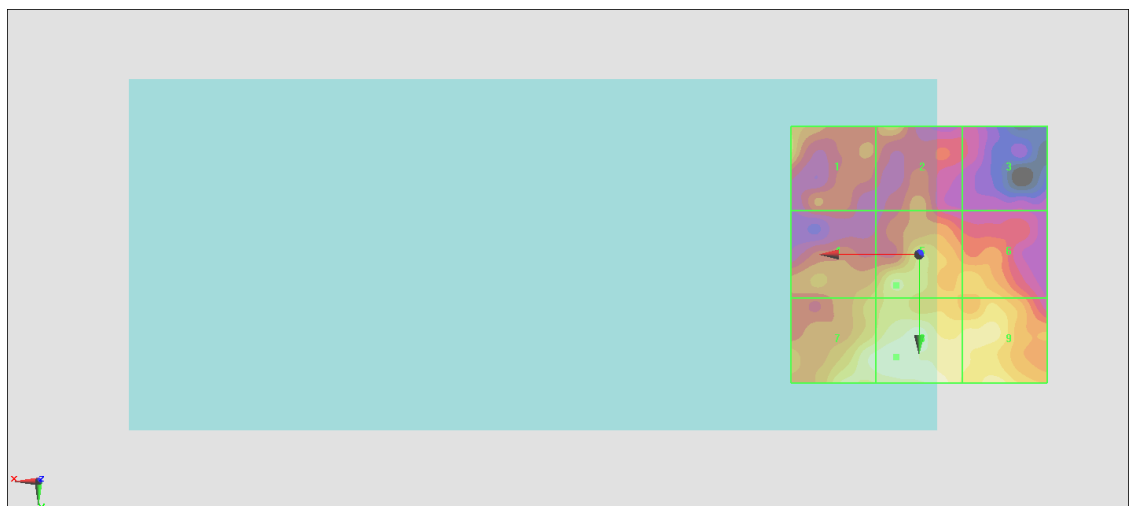
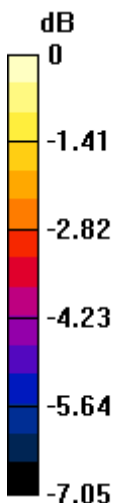
Grid 1 <b>M4</b> <b>20.08 dBV/m</b>	Grid 2 <b>M4</b> <b>19.66 dBV/m</b>	Grid 3 <b>M4</b> <b>18.03 dBV/m</b>
Grid 4 <b>M4</b> <b>19.95 dBV/m</b>	Grid 5 <b>M4</b> <b>20.85 dBV/m</b>	Grid 6 <b>M4</b> <b>20.2 dBV/m</b>
Grid 7 <b>M4</b> <b>21.32 dBV/m</b>	Grid 8 <b>M4</b> <b>21.63 dBV/m</b>	Grid 9 <b>M4</b> <b>21.06 dBV/m</b>

**Cursor:**

Total = 21.63 dBV/m

E Category: M4

Location: 4.5, 20, 8.7 mm



0 dB = 12.06 V/m = 21.63 dBV/m

## #05\_HAC\_E\_GSM1900\_Voice\_Ch661

Communication System: GSM-FDD (TDMA, GMSK); Frequency: 1880 MHz; Duty Cycle: 1:8.69961

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

Ambient Temperature : 23.7 °C

### DASY5 Configuration

- Probe: EF3DV3 - SN4047; ConvF(1, 1, 1) @ 1880 MHz; Calibrated: 2020/1/24
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn495; Calibrated: 2020/7/21
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

### 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 = 8.788 V/m; Power Drift = 0.19 dB

Applied MIF = 3.63 dB

RF audio interference level = 21.98 dBV/m

**Emission category: M4**

MIF scaled E-field

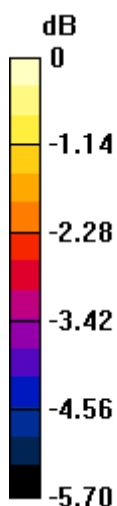
Grid 1 <b>M4</b> <b>20.34 dBV/m</b>	Grid 2 <b>M4</b> <b>20.71 dBV/m</b>	Grid 3 <b>M4</b> <b>18.96 dBV/m</b>
Grid 4 <b>M4</b> <b>20.04 dBV/m</b>	Grid 5 <b>M4</b> <b>21.44 dBV/m</b>	Grid 6 <b>M4</b> <b>20.09 dBV/m</b>
Grid 7 <b>M4</b> <b>21.41 dBV/m</b>	Grid 8 <b>M4</b> <b>21.98 dBV/m</b>	Grid 9 <b>M4</b> <b>21.05 dBV/m</b>

**Cursor:**

Total = 21.98 dBV/m

E Category: M4

Location: 4.5, 20, 8.7 mm



0 dB = 12.56 V/m = 21.98 dBV/m

## #06\_HAC\_E\_GSM1900\_Voice\_Ch810

Communication System: GSM-FDD (TDMA, GMSK); Frequency: 1909.8 MHz; Duty Cycle: 1:8.69961

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

Ambient Temperature : 23.7 °C

### DASY5 Configuration

- Probe: EF3DV3 - SN4047; ConvF(1, 1, 1) @ 1909.8 MHz; Calibrated: 2020/1/24
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn495; Calibrated: 2020/7/21
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

### 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 = 9.303 V/m; Power Drift = 0.41 dB

Applied MIF = 3.63 dB

RF audio interference level = 22.42 dBV/m

**Emission category: M4**

MIF scaled E-field

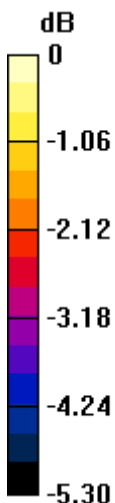
Grid 1 <b>M4</b> <b>20.35 dBV/m</b>	Grid 2 <b>M4</b> <b>20.09 dBV/m</b>	Grid 3 <b>M4</b> <b>19.65 dBV/m</b>
Grid 4 <b>M4</b> <b>20.14 dBV/m</b>	Grid 5 <b>M4</b> <b>21.38 dBV/m</b>	Grid 6 <b>M4</b> <b>21.07 dBV/m</b>
Grid 7 <b>M4</b> <b>21.68 dBV/m</b>	Grid 8 <b>M4</b> <b>22.42 dBV/m</b>	Grid 9 <b>M4</b> <b>22.23 dBV/m</b>

**Cursor:**

Total = 22.42 dBV/m

E Category: M4

Location: -5, 20, 8.7 mm



0 dB = 13.21 V/m = 22.42 dBV/m