

## #01\_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 : 23.2 °C

### DASY5 Configuration

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2014/1/30;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1279; Calibrated: 2014/7/23
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

### 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 = 15.91 V/m; Power Drift = 0.13 dB

Applied MIF = 3.63 dB

RF audio interference level = 28.00 dBV/m

**Emission category: M4**

MIF scaled E-field

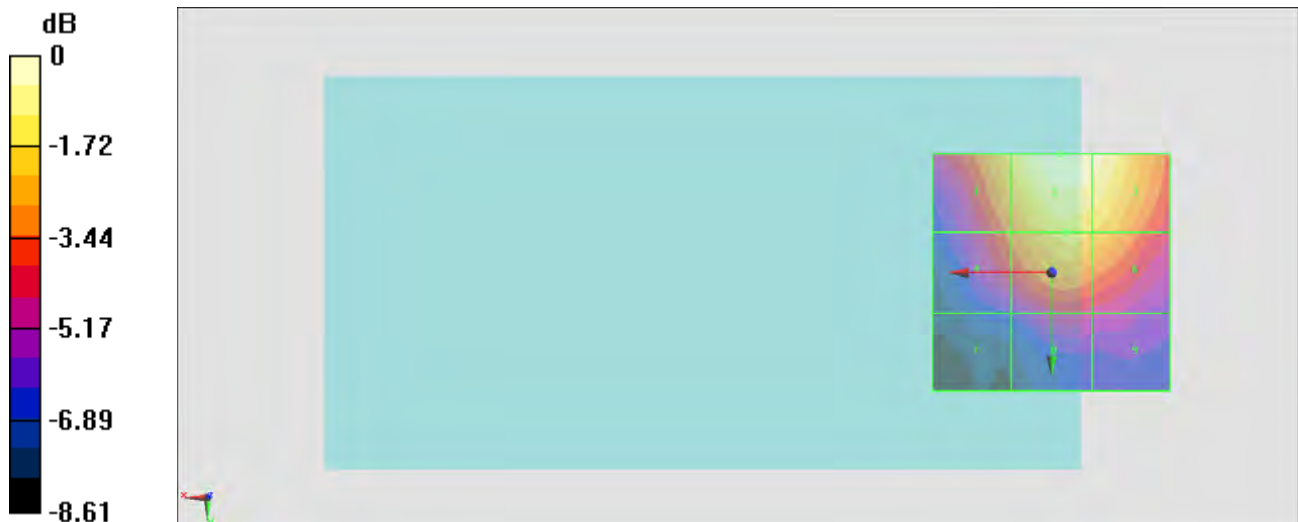
Grid 1 <b>M4</b> <b>26.54 dBV/m</b>	Grid 2 <b>M4</b> <b>28 dBV/m</b>	Grid 3 <b>M4</b> <b>27.8 dBV/m</b>
Grid 4 <b>M4</b> <b>24.85 dBV/m</b>	Grid 5 <b>M4</b> <b>26.52 dBV/m</b>	Grid 6 <b>M4</b> <b>26.27 dBV/m</b>
Grid 7 <b>M4</b> <b>21.85 dBV/m</b>	Grid 8 <b>M4</b> <b>23.43 dBV/m</b>	Grid 9 <b>M4</b> <b>23.11 dBV/m</b>

**Cursor:**

Total = 28.00 dBV/m

E Category: M4

Location: -2, -25, 8.7 mm



0 dB = 25.11 V/m = 28.00 dBV/m

## #02\_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:  $\sigma = 0 \text{ S/m}$ ,  $\epsilon_r = 1$ ;  $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : 23.2 °C

### DASY5 Configuration

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2014/1/30;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1279; Calibrated: 2014/7/23
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

### 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 = 17.59 V/m; Power Drift = -0.07 dB

Applied MIF = 3.63 dB

RF audio interference level = 27.61 dBV/m

**Emission category: M4**

MIF scaled E-field

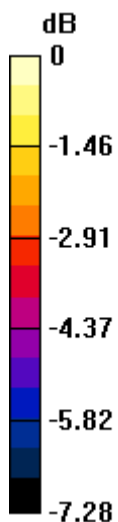
Grid 1 <b>M4</b> <b>26.27 dBV/m</b>	Grid 2 <b>M4</b> <b>27.62 dBV/m</b>	Grid 3 <b>M4</b> <b>27.45 dBV/m</b>
Grid 4 <b>M4</b> <b>25.09 dBV/m</b>	Grid 5 <b>M4</b> <b>26.84 dBV/m</b>	Grid 6 <b>M4</b> <b>26.7 dBV/m</b>
Grid 7 <b>M4</b> <b>23.2 dBV/m</b>	Grid 8 <b>M4</b> <b>24.71 dBV/m</b>	Grid 9 <b>M4</b> <b>24.6 dBV/m</b>

**Cursor:**

Total = 27.62 dBV/m

E Category: M4

Location: -3.5, -25, 8.7 mm



0 dB = 24.03 V/m = 27.62 dBV/m

### #03\_HAC\_E\_GSM1900\_GSM Voice\_Ch810

Communication System: GSM-FDD (TDMA, GMSK); Frequency: 1880 MHz; Duty Cycle: 1:8.6896

Medium: Air Medium parameters used:  $\sigma = 0 \text{ S/m}$ ,  $\epsilon_r = 1$ ;  $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : 23.2 °C

#### DASY5 Configuration

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2014/1/30;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1279; Calibrated: 2014/7/23
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

#### 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 = 17.25 V/m; Power Drift = -0.19 dB

Applied MIF = 3.63 dB

RF audio interference level = 27.59 dBV/m

**Emission category: M4**

MIF scaled E-field

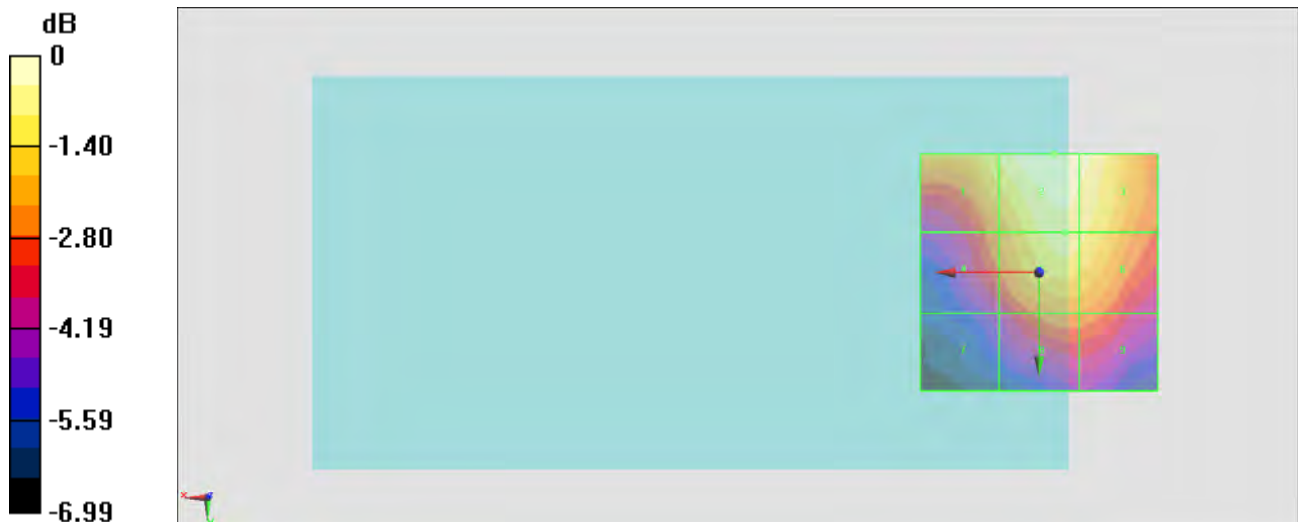
Grid 1 <b>M4</b> <b>26.74 dBV/m</b>	Grid 2 <b>M4</b> <b>27.59 dBV/m</b>	Grid 3 <b>M4</b> <b>27.39 dBV/m</b>
Grid 4 <b>M4</b> <b>25.31 dBV/m</b>	Grid 5 <b>M4</b> <b>26.9 dBV/m</b>	Grid 6 <b>M4</b> <b>26.8 dBV/m</b>
Grid 7 <b>M4</b> <b>23.5 dBV/m</b>	Grid 8 <b>M4</b> <b>25.33 dBV/m</b>	Grid 9 <b>M4</b> <b>25.25 dBV/m</b>

**Cursor:**

Total = 27.59 dBV/m

E Category: M4

Location: -3, -25, 8.7 mm



0 dB = 23.96 V/m = 27.59 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 : 23.2 °C

**DASY5 Configuration**

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2014/1/30;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1279; Calibrated: 2014/7/23
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**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 = 14.33 V/m; Power Drift = 0.01 dB

Applied MIF = 3.63 dB

RF audio interference level = 26.24 dBV/m

**Emission category: M4**

MIF scaled E-field

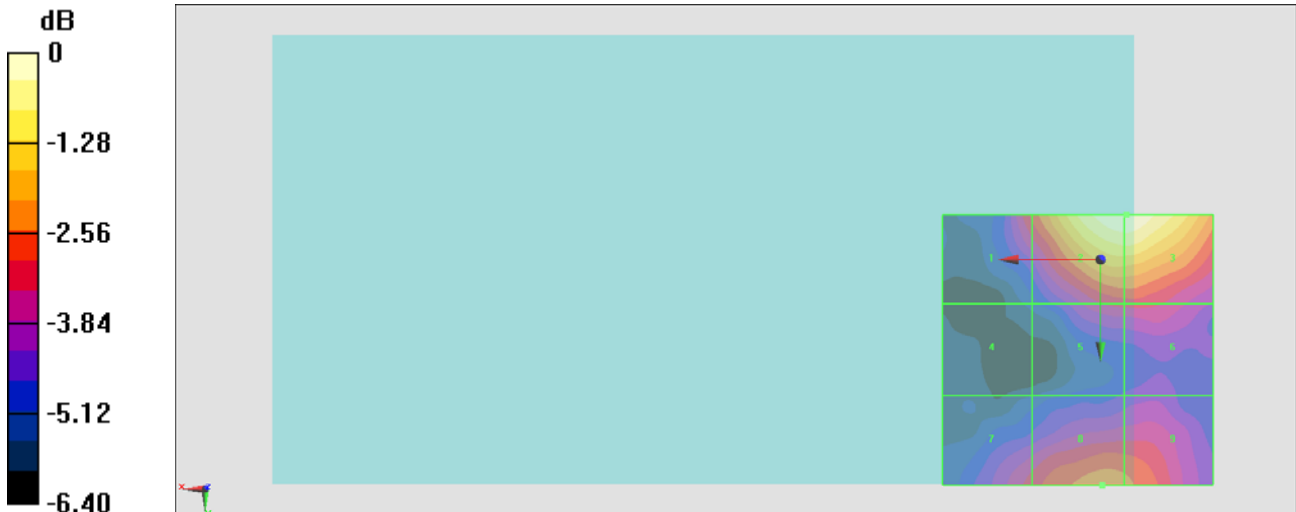
Grid 1 <b>M4</b> <b>23.4 dBV/m</b>	Grid 2 <b>M4</b> <b>26.23 dBV/m</b>	Grid 3 <b>M4</b> <b>26.24 dBV/m</b>
Grid 4 <b>M4</b> <b>20.9 dBV/m</b>	Grid 5 <b>M4</b> <b>23.01 dBV/m</b>	Grid 6 <b>M4</b> <b>23.04 dBV/m</b>
Grid 7 <b>M4</b> <b>23.06 dBV/m</b>	Grid 8 <b>M4</b> <b>23.93 dBV/m</b>	Grid 9 <b>M4</b> <b>23.82 dBV/m</b>

**Cursor:**

Total = 26.24 dBV/m

E Category: M4

Location: -4.8, -8.3, 8.7 mm



0 dB = 20.51 V/m = 26.24 dBV/m