

#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, $\epsilon_r = 1$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.5 °C

DASY5 Configuration

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2014/1/30;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1388; Calibrated: 2014/9/24
- 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)

Ch128/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 = 57.57 V/m; Power Drift = -0.04 dB

Applied MIF = 3.63 dB

RF audio interference level = 37.69 dBV/m

Emission category: M4

MIF scaled E-field

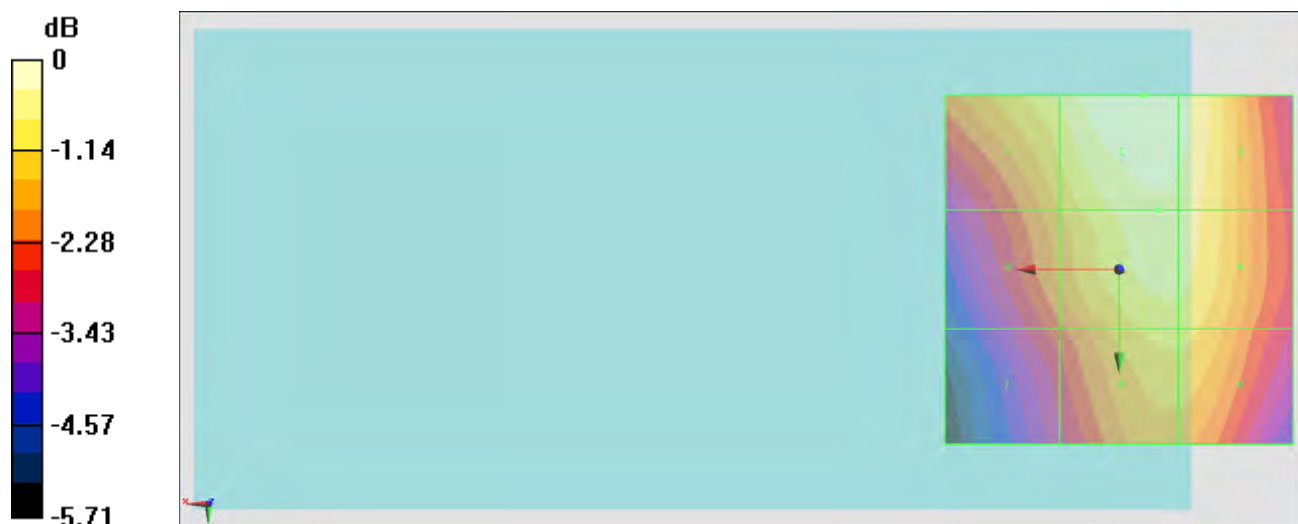
Grid 1 M4 37.05 dBV/m	Grid 2 M4 37.69 dBV/m	Grid 3 M4 37.47 dBV/m
Grid 4 M4 36.17 dBV/m	Grid 5 M4 37.23 dBV/m	Grid 6 M4 37.18 dBV/m
Grid 7 M4 35.33 dBV/m	Grid 8 M4 36.71 dBV/m	Grid 9 M4 36.71 dBV/m

Cursor:

Total = 37.69 dBV/m

E Category: M4

Location: -3.5, -25, 8.7 mm



$$0 \text{ dB} = 76.61 \text{ V/m} = 37.69 \text{ dBV/m}$$

#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, $\epsilon_r = 1$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.5 °C

DASY5 Configuration

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2014/1/30;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1388; Calibrated: 2014/9/24
- 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)

Ch189/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 = 55.57 V/m; Power Drift = -0.02 dB

Applied MIF = 3.63 dB

RF audio interference level = 37.58 dBV/m

Emission category: M4

MIF scaled E-field

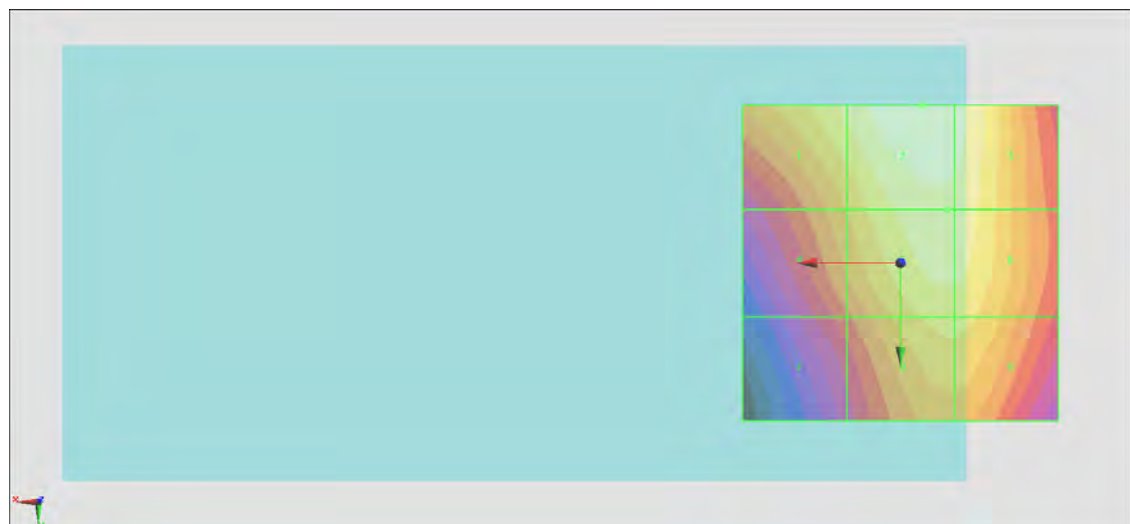
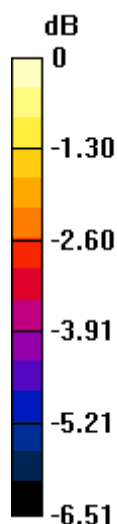
Grid 1 M4 36.86 dBV/m	Grid 2 M4 37.58 dBV/m	Grid 3 M4 37.37 dBV/m
Grid 4 M4 35.87 dBV/m	Grid 5 M4 37.01 dBV/m	Grid 6 M4 36.99 dBV/m
Grid 7 M4 34.88 dBV/m	Grid 8 M4 36.47 dBV/m	Grid 9 M4 36.46 dBV/m

Cursor:

Total = 37.58 dBV/m

E Category: M4

Location: -3.5, -25, 8.7 mm



$$0 \text{ dB} = 75.69 \text{ V/m} = 37.58 \text{ dBV/m}$$

#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, $\epsilon_r = 1$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.5 °C

DASY5 Configuration

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2014/1/30;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1388; Calibrated: 2014/9/24
- 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)

Ch251/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 = 52.17 V/m; Power Drift = 0.05 dB

Applied MIF = 3.63 dB

RF audio interference level = 37.20 dBV/m

Emission category: M4

MIF scaled E-field

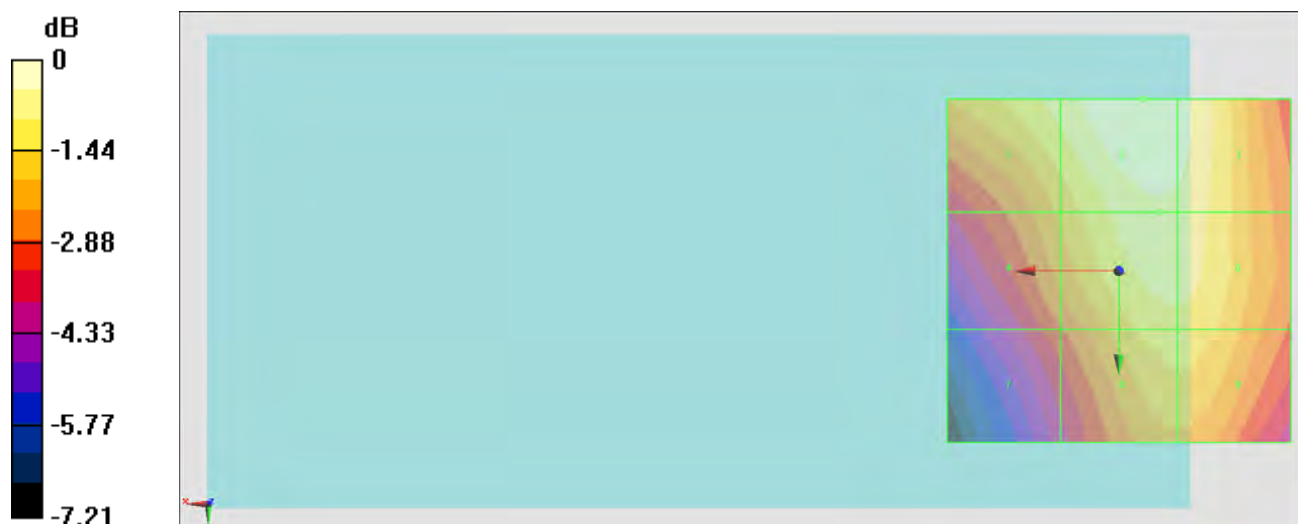
Grid 1 M4 36.48 dBV/m	Grid 2 M4 37.2 dBV/m	Grid 3 M4 36.95 dBV/m
Grid 4 M4 35.4 dBV/m	Grid 5 M4 36.64 dBV/m	Grid 6 M4 36.59 dBV/m
Grid 7 M4 34.28 dBV/m	Grid 8 M4 36.05 dBV/m	Grid 9 M4 36.05 dBV/m

Cursor:

Total = 37.20 dBV/m

E Category: M4

Location: -3.5, -25, 8.7 mm



$$0 \text{ dB} = 72.46 \text{ V/m} = 37.20 \text{ dBV/m}$$

#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/m³

Ambient Temperature : 23.5 °C

DASY5 Configuration

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2014/1/30;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1388; Calibrated: 2014/9/24
- 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 = 14.83 V/m; Power Drift = 0.05 dB

Applied MIF = 3.63 dB

RF audio interference level = 30.57 dBV/m

Emission category: M3

MIF scaled E-field

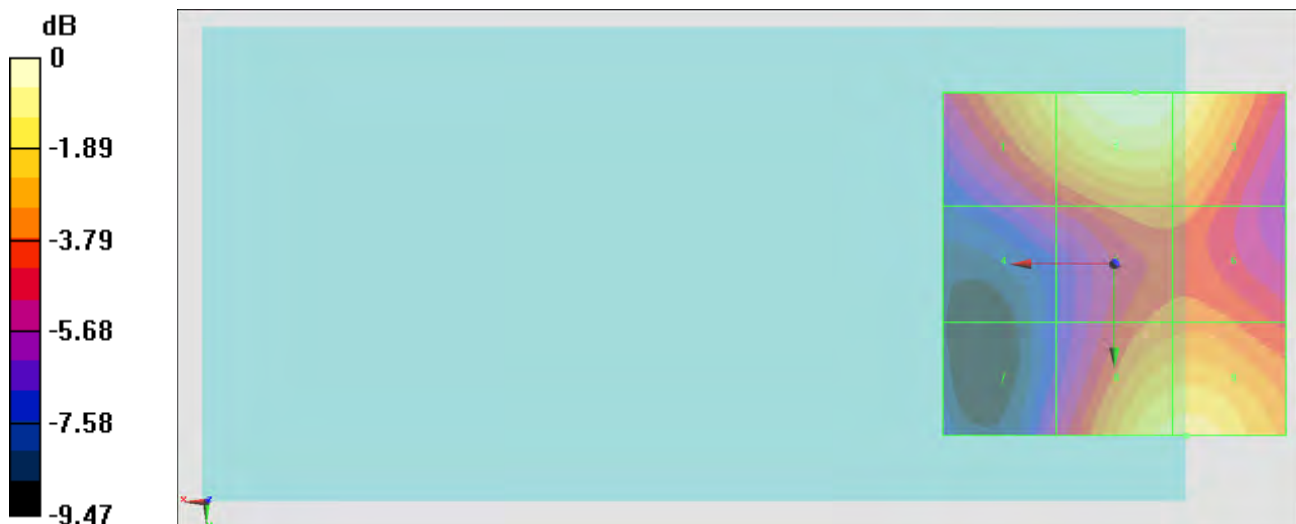
Grid 1 M4 29.36 dBV/m	Grid 2 M3 30.57 dBV/m	Grid 3 M3 30.2 dBV/m
Grid 4 M4 25.71 dBV/m	Grid 5 M4 27.4 dBV/m	Grid 6 M4 27.35 dBV/m
Grid 7 M4 24.9 dBV/m	Grid 8 M4 29.62 dBV/m	Grid 9 M4 29.7 dBV/m

Cursor:

Total = 30.57 dBV/m

E Category: M3

Location: -3, -25, 8.7 mm



$$0 \text{ dB} = 33.75 \text{ V/m} = 30.57 \text{ dBV/m}$$

#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, $\epsilon_r = 1$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.5 °C

DASY5 Configuration

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2014/1/30;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1388; Calibrated: 2014/9/24
- 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 = 13.51 V/m; Power Drift = 0.01 dB

Applied MIF = 3.63 dB

RF audio interference level = 30.25 dBV/m

Emission category: M3

MIF scaled E-field

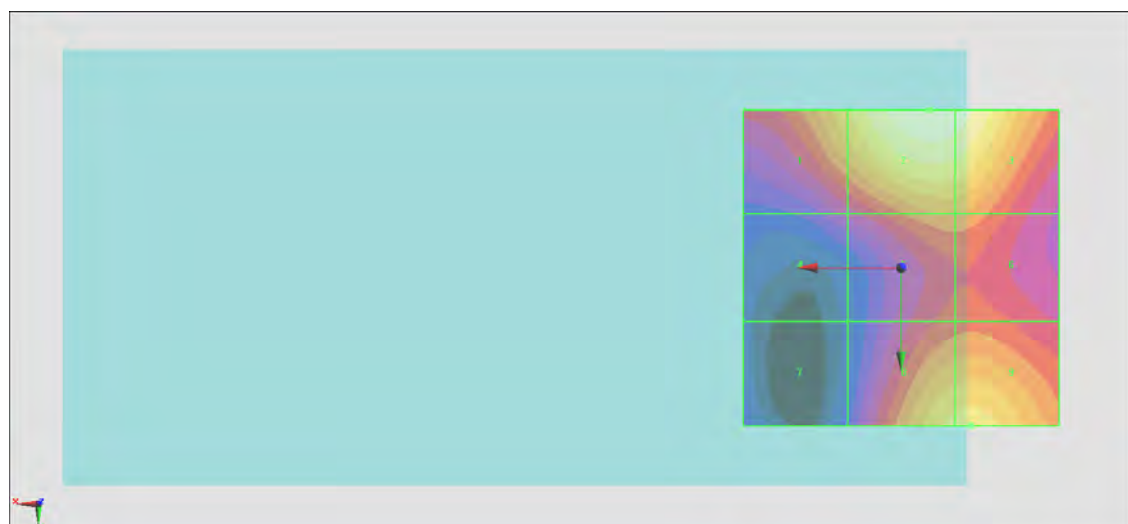
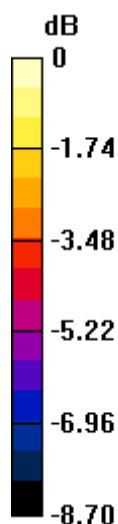
Grid 1 M4 28.52 dBV/m	Grid 2 M3 30.25 dBV/m	Grid 3 M3 30.1 dBV/m
Grid 4 M4 25.27 dBV/m	Grid 5 M4 27.37 dBV/m	Grid 6 M4 27.37 dBV/m
Grid 7 M4 24.08 dBV/m	Grid 8 M4 28.75 dBV/m	Grid 9 M4 28.86 dBV/m

Cursor:

Total = 30.25 dBV/m

E Category: M3

Location: -4.5, -25, 8.7 mm



$$0 \text{ dB} = 32.54 \text{ V/m} = 30.25 \text{ dBV/m}$$

#06_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: $\sigma = 0$ S/m, $\epsilon_r = 1$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.5 °C

DASY5 Configuration

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2014/1/30;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1388; Calibrated: 2014/9/24
- 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 = 13.13 V/m; Power Drift = -0.08 dB

Applied MIF = 3.63 dB

RF audio interference level = 29.91 dBV/m

Emission category: M4

MIF scaled E-field

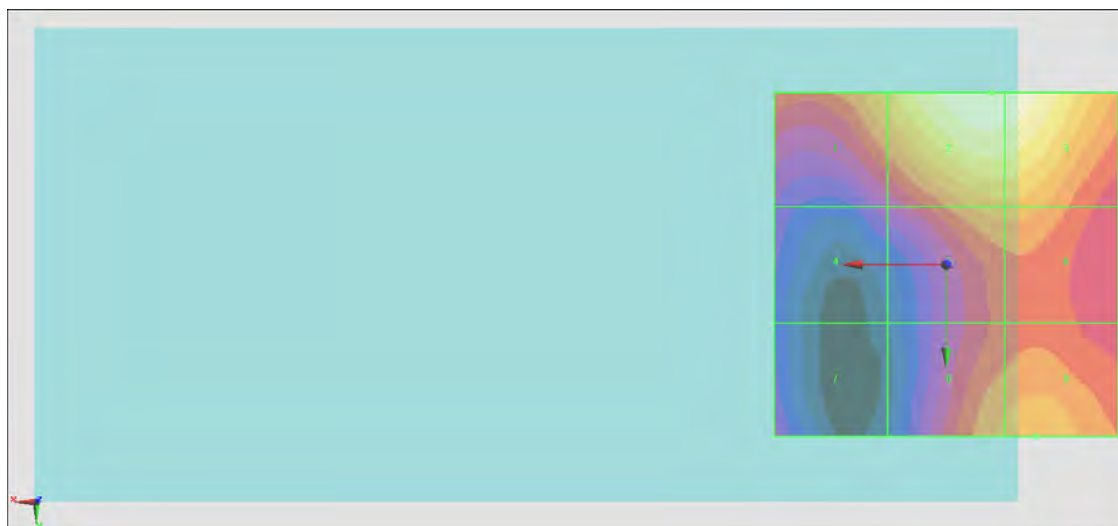
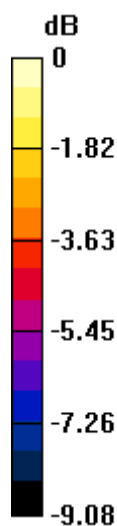
Grid 1 M4 27.89 dBV/m	Grid 2 M4 29.91 dBV/m	Grid 3 M4 29.88 dBV/m
Grid 4 M4 24.53 dBV/m	Grid 5 M4 27.31 dBV/m	Grid 6 M4 27.32 dBV/m
Grid 7 M4 24.29 dBV/m	Grid 8 M4 27.08 dBV/m	Grid 9 M4 27.35 dBV/m

Cursor:

Total = 29.91 dBV/m

E Category: M4

Location: -6.5, -25, 8.7 mm



$$0 \text{ dB} = 31.31 \text{ V/m} = 29.91 \text{ dBV/m}$$