

#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 : 23.2 °C

DASY5 Configuration

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2015/1/26;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1279; Calibrated: 2015/7/21
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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 = 41.10 V/m; Power Drift = -0.02 dB

Applied MIF = 3.63 dB

RF audio interference level = 35.40 dBV/m

Emission category: M4

MIF scaled E-field

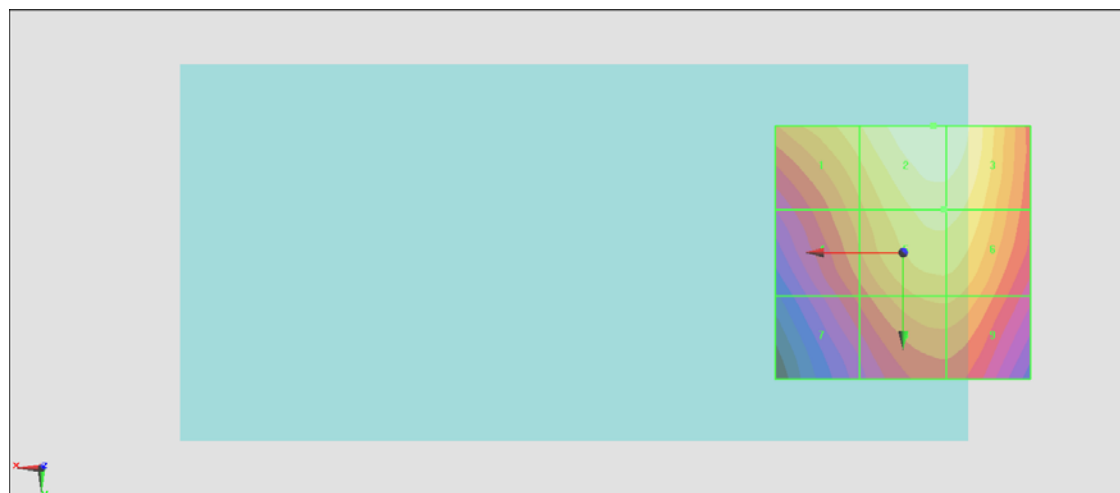
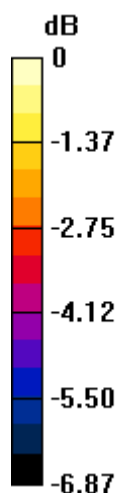
Grid 1 M4 34.46 dBV/m	Grid 2 M4 35.4 dBV/m	Grid 3 M4 35.37 dBV/m
Grid 4 M4 33.45 dBV/m	Grid 5 M4 34.67 dBV/m	Grid 6 M4 34.66 dBV/m
Grid 7 M4 32.4 dBV/m	Grid 8 M4 33.7 dBV/m	Grid 9 M4 33.7 dBV/m

Cursor:

Total = 35.40 dBV/m

E Category: M4

Location: -6, -25, 8.7 mm



0 dB = 58.86 V/m = 35.40 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 : 23.2 °C

DASY5 Configuration

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2015/1/26;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1279; Calibrated: 2015/7/21
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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 = 40.29 V/m; Power Drift = 0.03 dB

Applied MIF = 3.63 dB

RF audio interference level = 35.64 dBV/m

Emission category: M4

MIF scaled E-field

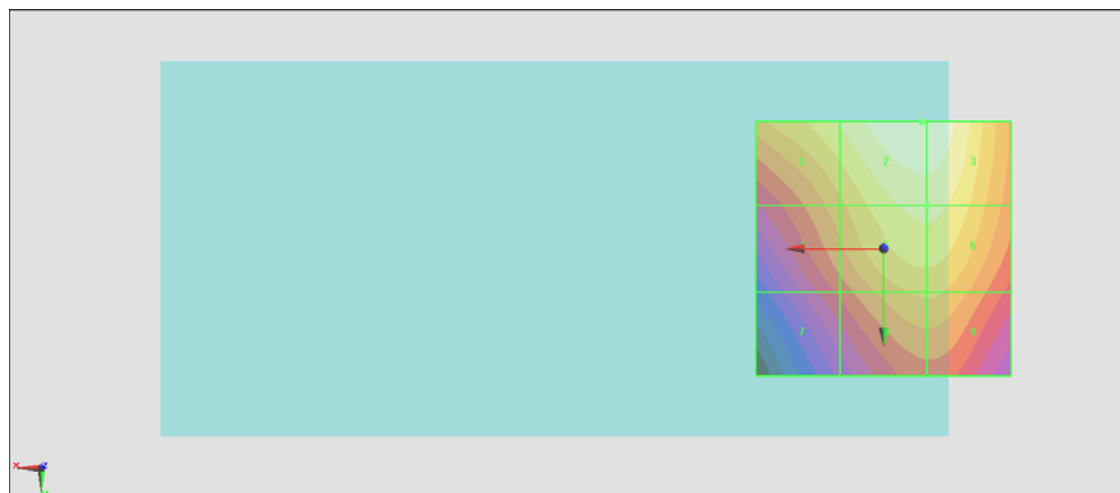
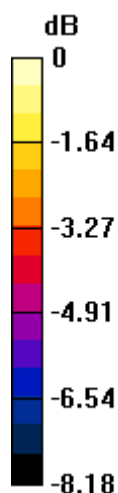
Grid 1 M4 34.64 dBV/m	Grid 2 M4 35.64 dBV/m	Grid 3 M4 35.63 dBV/m
Grid 4 M4 33.33 dBV/m	Grid 5 M4 34.75 dBV/m	Grid 6 M4 34.75 dBV/m
Grid 7 M4 32 dBV/m	Grid 8 M4 33.59 dBV/m	Grid 9 M4 33.59 dBV/m

Cursor:

Total = 35.64 dBV/m

E Category: M4

Location: -7.5, -25, 8.7 mm



0 dB = 60.55 V/m = 35.64 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 : 23.2 °C

DASY5 Configuration

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2015/1/26;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1279; Calibrated: 2015/7/21
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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 = 39.59 V/m; Power Drift = 0.04 dB

Applied MIF = 3.63 dB

RF audio interference level = 35.49 dBV/m

Emission category: M4

MIF scaled E-field

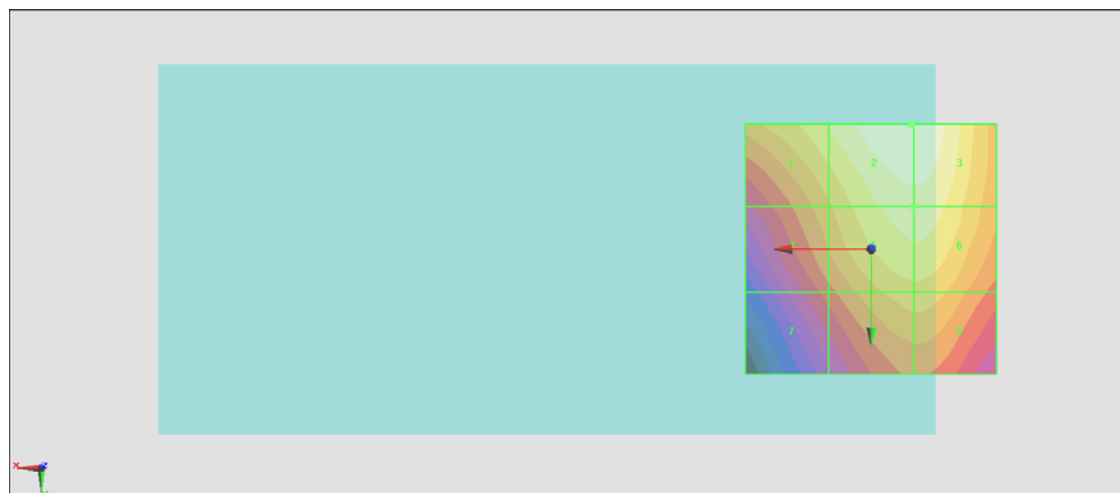
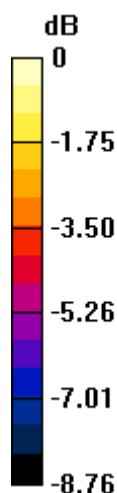
Grid 1 M4 34.37 dBV/m	Grid 2 M4 35.49 dBV/m	Grid 3 M4 35.49 dBV/m
Grid 4 M4 33.08 dBV/m	Grid 5 M4 34.68 dBV/m	Grid 6 M4 34.68 dBV/m
Grid 7 M4 31.77 dBV/m	Grid 8 M4 33.54 dBV/m	Grid 9 M4 33.55 dBV/m

Cursor:

Total = 35.49 dBV/m

E Category: M4

Location: -8, -25, 8.7 mm



0 dB = 59.53 V/m = 35.49 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 : 23.2 °C

DASY5 Configuration

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2015/1/26;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1279; Calibrated: 2015/7/21
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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 = 17.37 V/m; Power Drift = 0.13 dB

Applied MIF = 3.63 dB

RF audio interference level = 31.22 dBV/m

Emission category: M3

MIF scaled E-field

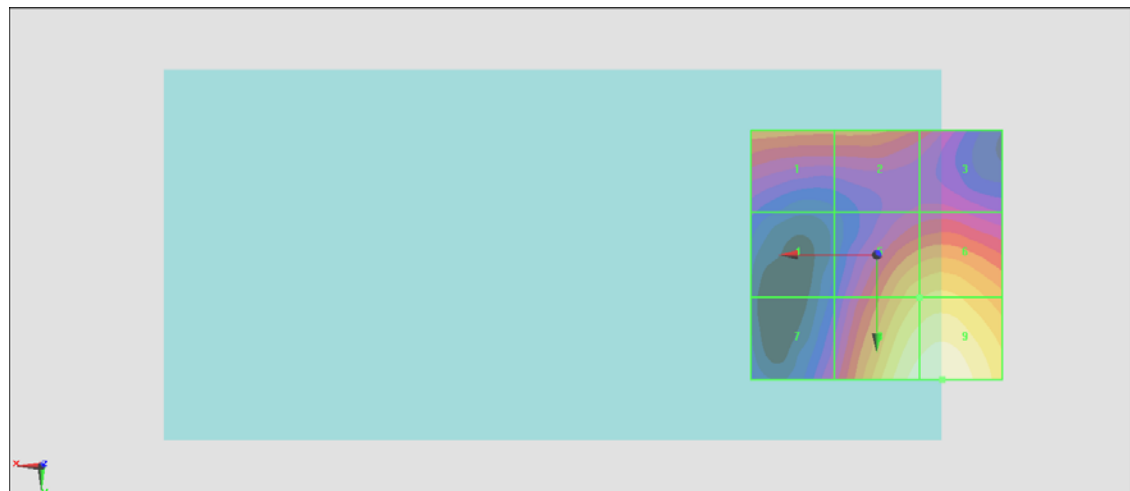
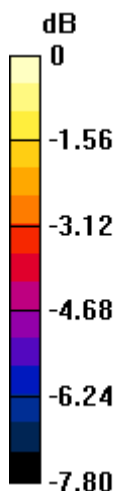
Grid 1 M4 28.47 dBV/m	Grid 2 M4 28.4 dBV/m	Grid 3 M4 27.6 dBV/m
Grid 4 M4 25.66 dBV/m	Grid 5 M4 29.61 dBV/m	Grid 6 M4 29.83 dBV/m
Grid 7 M4 26.82 dBV/m	Grid 8 M3 31 dBV/m	Grid 9 M3 31.22 dBV/m

Cursor:

Total = 31.22 dBV/m

E Category: M3

Location: -13, 25, 8.7 mm



0 dB = 36.39 V/m = 31.22 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 : 23.2 °C

DASY5 Configuration

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2015/1/26;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1279; Calibrated: 2015/7/21
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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 = 14.93 V/m; Power Drift = 0.14 dB

Applied MIF = 3.63 dB

RF audio interference level = 30.84 dBV/m

Emission category: M3

MIF scaled E-field

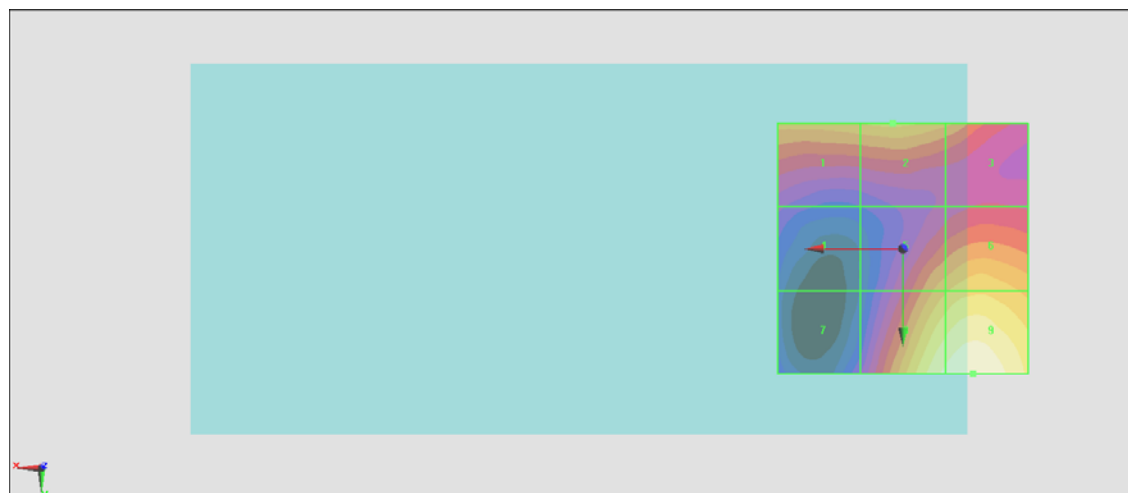
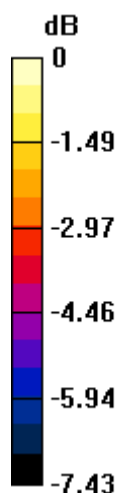
Grid 1 M4 28.82 dBV/m	Grid 2 M4 29 dBV/m	Grid 3 M4 28.53 dBV/m
Grid 4 M4 26.11 dBV/m	Grid 5 M4 28.81 dBV/m	Grid 6 M4 29.29 dBV/m
Grid 7 M4 25.92 dBV/m	Grid 8 M3 30.48 dBV/m	Grid 9 M3 30.84 dBV/m

Cursor:

Total = 30.84 dBV/m

E Category: M3

Location: -14, 25, 8.7 mm



0 dB = 34.82 V/m = 30.84 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, $\epsilon_r = 1$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.2 °C

DASY5 Configuration

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2015/1/26;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1279; Calibrated: 2015/7/21
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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 = 14.85 V/m; Power Drift = 0.02 dB

Applied MIF = 3.63 dB

RF audio interference level = 30.60 dBV/m

Emission category: M3

MIF scaled E-field

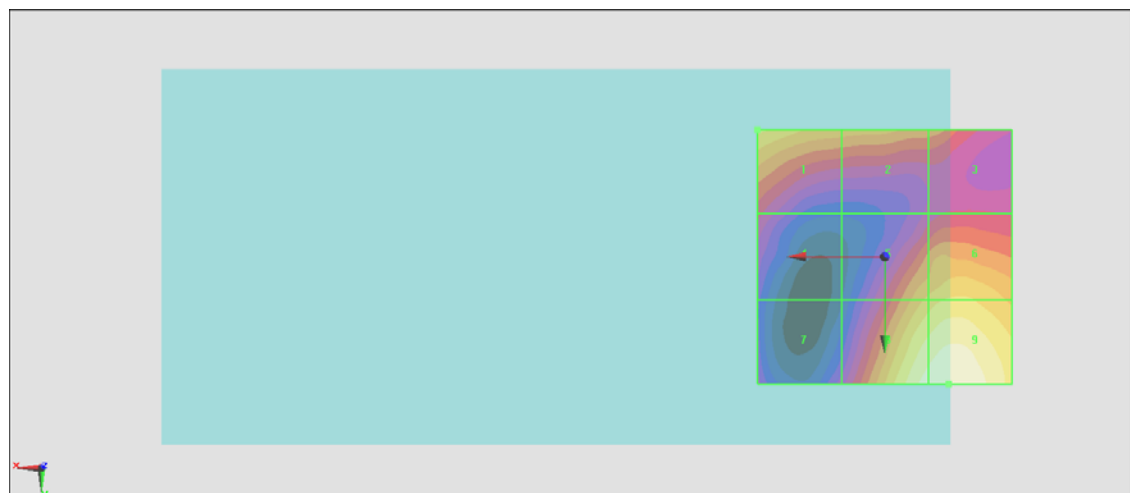
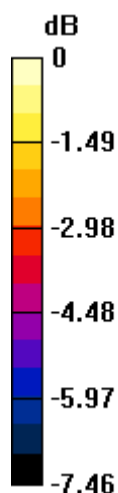
Grid 1 M4 29.25 dBV/m	Grid 2 M4 28.46 dBV/m	Grid 3 M4 28 dBV/m
Grid 4 M4 26.84 dBV/m	Grid 5 M4 28.76 dBV/m	Grid 6 M4 29.22 dBV/m
Grid 7 M4 25.94 dBV/m	Grid 8 M3 30.34 dBV/m	Grid 9 M3 30.6 dBV/m

Cursor:

Total = 30.60 dBV/m

E Category: M3

Location: -12.5, 25, 8.7 mm



0 dB = 33.87 V/m = 30.60 dBV/m