

#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: 2015/1/26;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn916; Calibrated: 2014/12/29
- 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 = 75.07 V/m; Power Drift = -0.04 dB

Applied MIF = 3.63 dB

RF audio interference level = 39.20 dBV/m

Emission category: M4

MIF scaled E-field

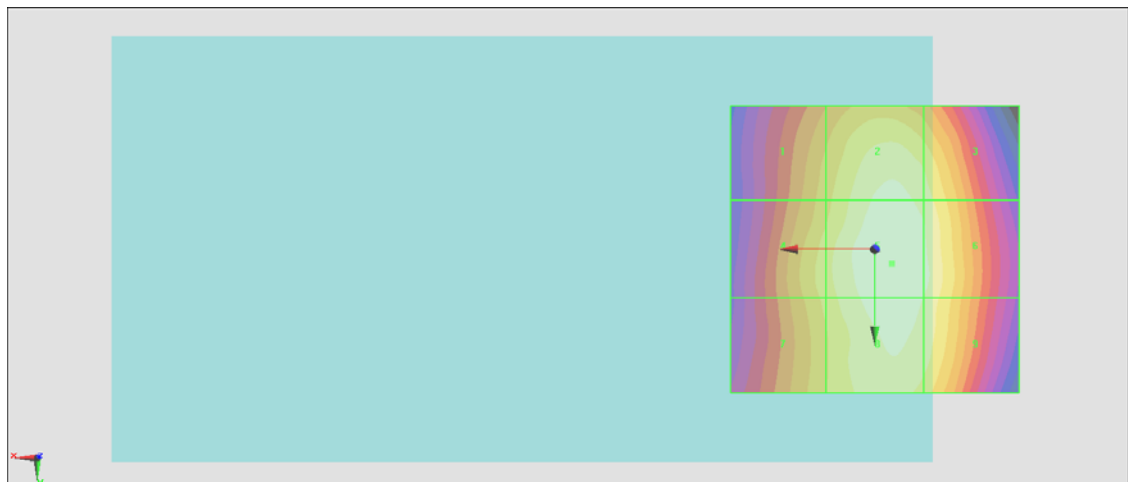
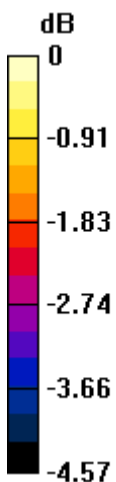
Grid 1 M4 38.19 dBV/m	Grid 2 M4 39 dBV/m	Grid 3 M4 38.77 dBV/m
Grid 4 M4 38.49 dBV/m	Grid 5 M4 39.2 dBV/m	Grid 6 M4 38.99 dBV/m
Grid 7 M4 38.4 dBV/m	Grid 8 M4 39.1 dBV/m	Grid 9 M4 38.88 dBV/m

Cursor:

Total = 39.20 dBV/m

E Category: M4

Location: -3, 2.5, 8.7 mm



0 dB = 91.20 V/m = 39.20 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: 2015/1/26;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn916; Calibrated: 2014/12/29
- 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 = 67.40 V/m; Power Drift = -0.03 dB

Applied MIF = 3.63 dB

RF audio interference level = 38.31 dBV/m

Emission category: M4

MIF scaled E-field

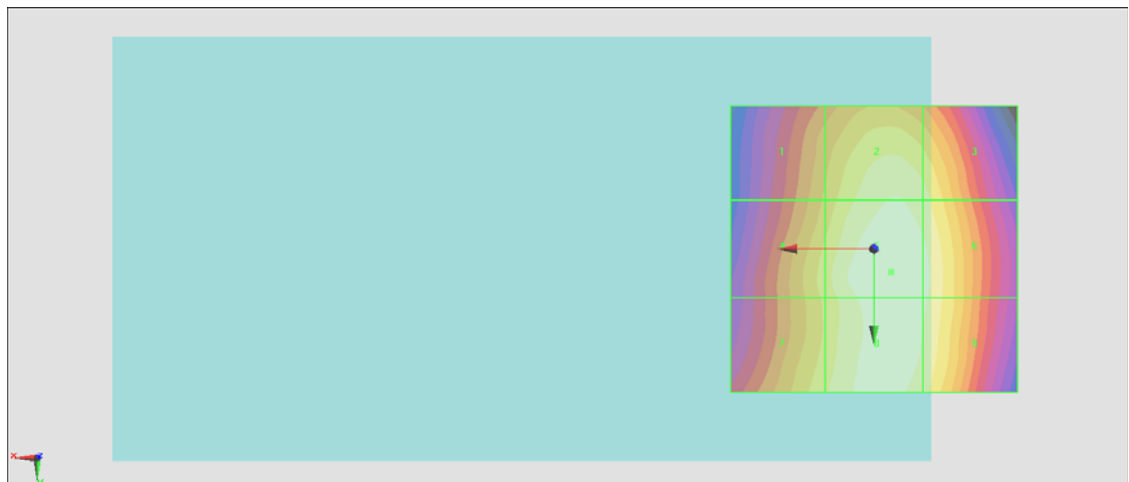
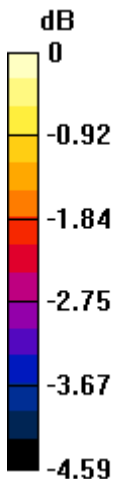
Grid 1 M4 37.16 dBV/m	Grid 2 M4 38.02 dBV/m	Grid 3 M4 37.83 dBV/m
Grid 4 M4 37.56 dBV/m	Grid 5 M4 38.31 dBV/m	Grid 6 M4 38.12 dBV/m
Grid 7 M4 37.65 dBV/m	Grid 8 M4 38.23 dBV/m	Grid 9 M4 38.07 dBV/m

Cursor:

Total = 38.31 dBV/m

E Category: M4

Location: -3, 4, 8.7 mm



0 dB = 82.28 V/m = 38.31 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: 2015/1/26;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn916; Calibrated: 2014/12/29
- 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 = 64.30 V/m; Power Drift = -0.04 dB

Applied MIF = 3.63 dB

RF audio interference level = 37.92 dBV/m

Emission category: M4

MIF scaled E-field

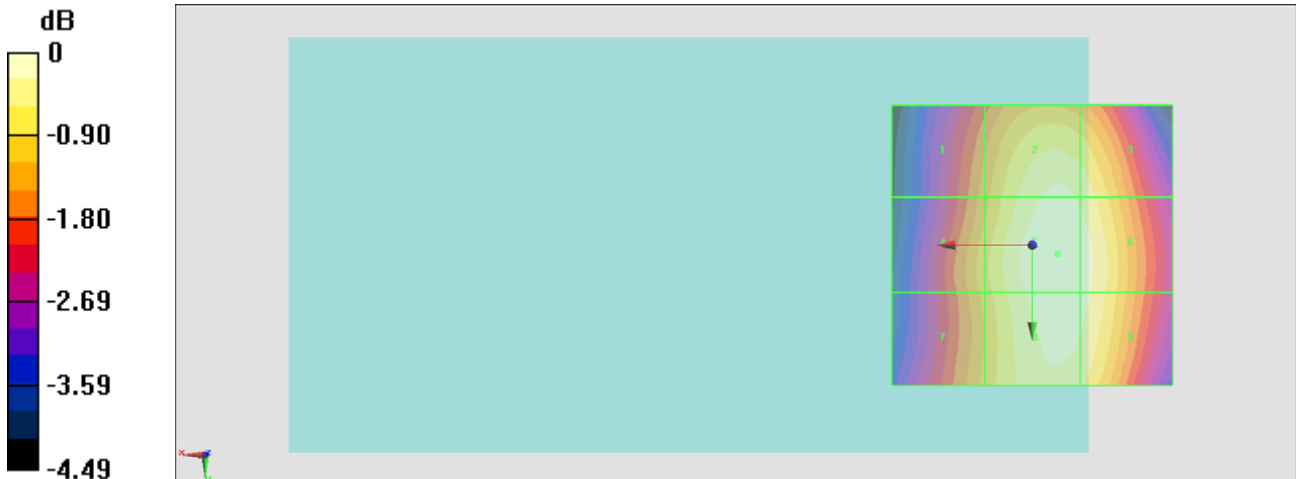
Grid 1 M4 36.61 dBV/m	Grid 2 M4 37.7 dBV/m	Grid 3 M4 37.57 dBV/m
Grid 4 M4 36.94 dBV/m	Grid 5 M4 37.92 dBV/m	Grid 6 M4 37.81 dBV/m
Grid 7 M4 36.85 dBV/m	Grid 8 M4 37.84 dBV/m	Grid 9 M4 37.76 dBV/m

Cursor:

Total = 37.92 dBV/m

E Category: M4

Location: -4.5, 1.5, 8.7 mm



0 dB = 78.67 V/m = 37.92 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: 2015/1/26;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn916; Calibrated: 2014/12/29
- 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 = 20.60 V/m; Power Drift = 0.06 dB

Applied MIF = 3.63 dB

RF audio interference level = 31.22 dBV/m

Emission category: M3

MIF scaled E-field

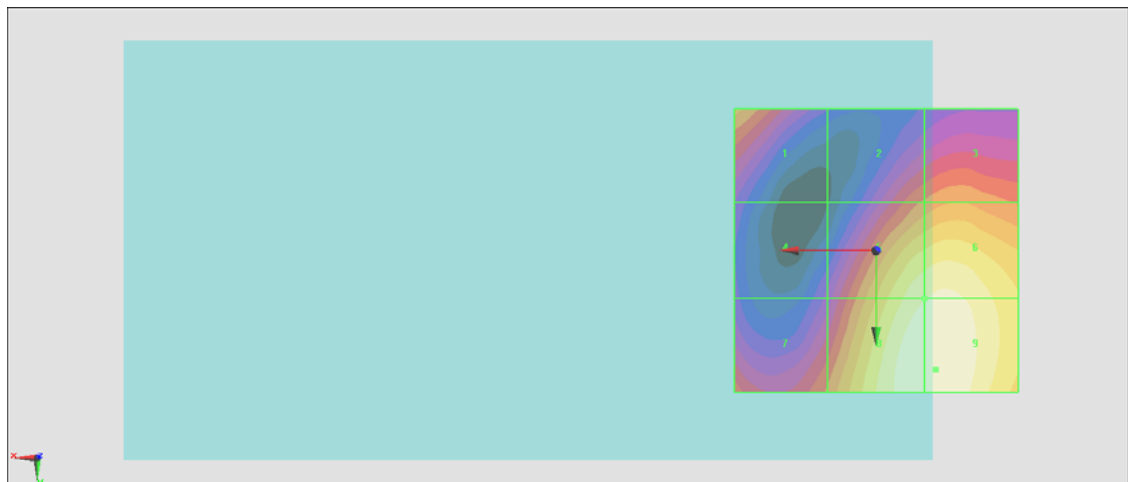
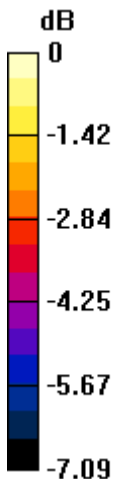
Grid 1 M4 29.07 dBV/m	Grid 2 M4 28.49 dBV/m	Grid 3 M4 28.87 dBV/m
Grid 4 M4 26.75 dBV/m	Grid 5 M3 30.72 dBV/m	Grid 6 M3 30.87 dBV/m
Grid 7 M4 28.51 dBV/m	Grid 8 M3 31.2 dBV/m	Grid 9 M3 31.22 dBV/m

Cursor:

Total = 31.22 dBV/m

E Category: M3

Location: -10.5, 21, 8.7 mm



0 dB = 36.40 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 : 23.5 °C

DASY5 Configuration

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2015/1/26;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn916; Calibrated: 2014/12/29
- 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 = 19.50 V/m; Power Drift = 0.02 dB

Applied MIF = 3.63 dB

RF audio interference level = 31.54 dBV/m

Emission category: M3

MIF scaled E-field

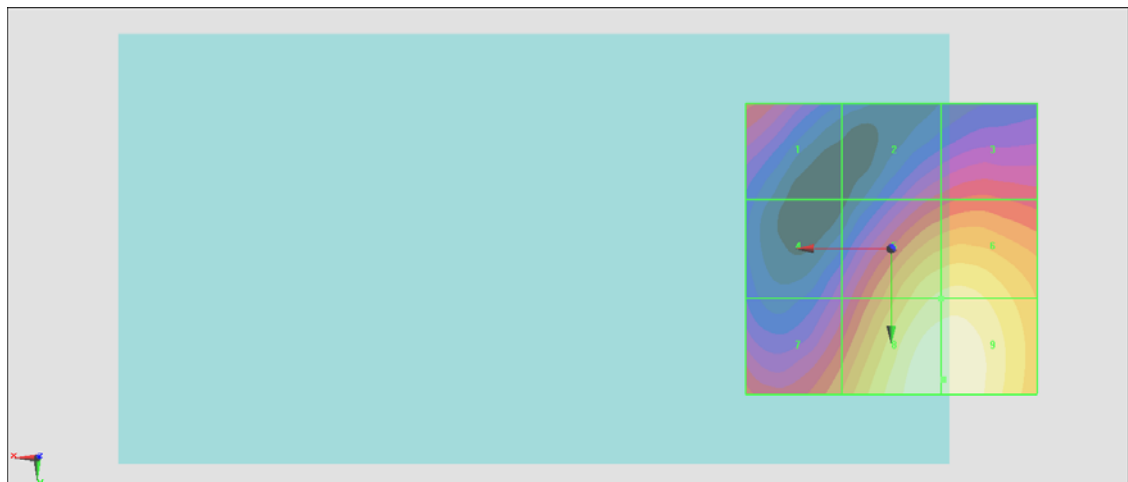
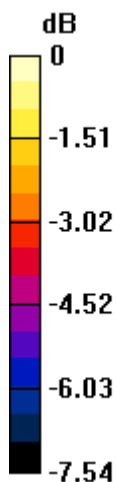
Grid 1 M4 28.2 dBV/m	Grid 2 M4 27.78 dBV/m	Grid 3 M4 28.18 dBV/m
Grid 4 M4 27.02 dBV/m	Grid 5 M3 30.68 dBV/m	Grid 6 M3 30.77 dBV/m
Grid 7 M4 29.05 dBV/m	Grid 8 M3 31.54 dBV/m	Grid 9 M3 31.54 dBV/m

Cursor:

Total = 31.54 dBV/m

E Category: M3

Location: -9, 22.5, 8.7 mm



0 dB = 37.77 V/m = 31.54 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 : 23.5 °C

DASY5 Configuration

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2015/1/26;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn916; Calibrated: 2014/12/29
- 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 = 17.52 V/m; Power Drift = 0.14 dB

Applied MIF = 3.63 dB

RF audio interference level = 31.06 dBV/m

Emission category: M3

MIF scaled E-field

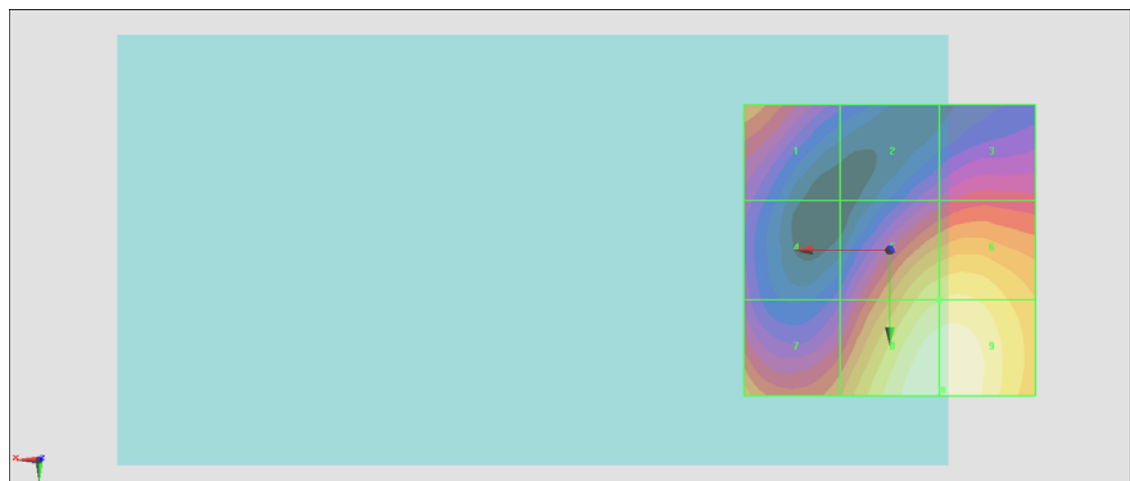
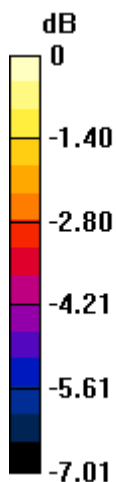
Grid 1 M4 28.69 dBV/m	Grid 2 M4 27.06 dBV/m	Grid 3 M4 27.66 dBV/m
Grid 4 M4 26.77 dBV/m	Grid 5 M3 30.1 dBV/m	Grid 6 M3 30.22 dBV/m
Grid 7 M4 29.06 dBV/m	Grid 8 M3 31.05 dBV/m	Grid 9 M3 31.05 dBV/m

Cursor:

Total = 31.05 dBV/m

E Category: M3

Location: -9, 24, 8.7 mm



0 dB = 35.71 V/m = 31.06 dBV/m