

#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 : 23.4 °C

DASY5 Configuration

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2015/1/26;
- 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 (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 = 46.99 V/m; Power Drift = -0.09 dB

Applied MIF = 3.63 dB

RF audio interference level = 34.95 dBV/m

Emission category: M4

MIF scaled E-field

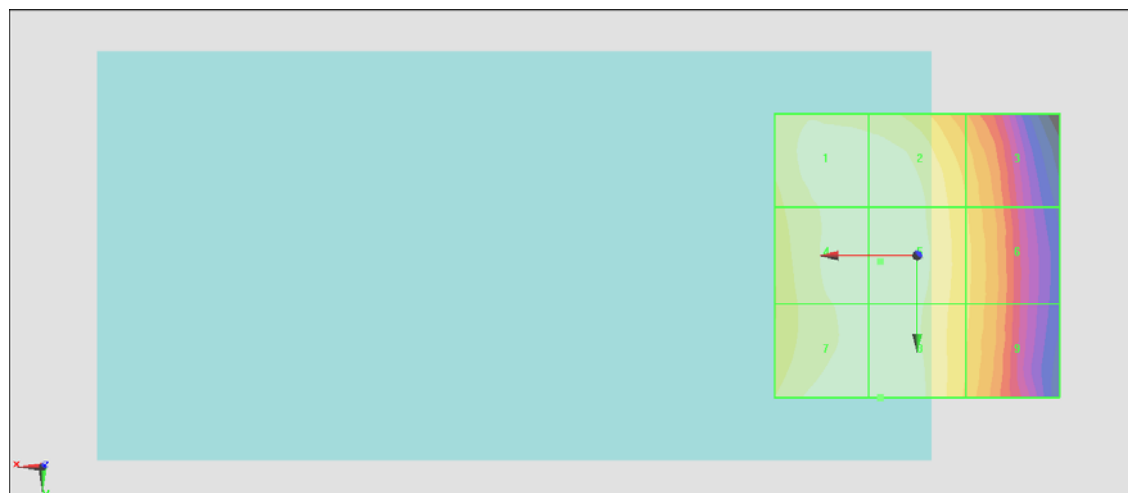
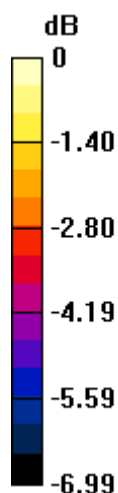
Grid 1 M4 34.79 dBV/m	Grid 2 M4 34.82 dBV/m	Grid 3 M4 33.61 dBV/m
Grid 4 M4 34.88 dBV/m	Grid 5 M4 34.9 dBV/m	Grid 6 M4 33.72 dBV/m
Grid 7 M4 34.93 dBV/m	Grid 8 M4 34.95 dBV/m	Grid 9 M4 33.67 dBV/m

Cursor:

Total = 34.95 dBV/m

E Category: M4

Location: 6.5, 25, 8.7 mm



0 dB = 55.93 V/m = 34.95 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 : 23.4 °C

DASY5 Configuration

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2015/1/26;
- 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 (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 = 41.19 V/m; Power Drift = 0.02 dB

Applied MIF = 3.63 dB

RF audio interference level = 34.49 dBV/m

Emission category: M4

MIF scaled E-field

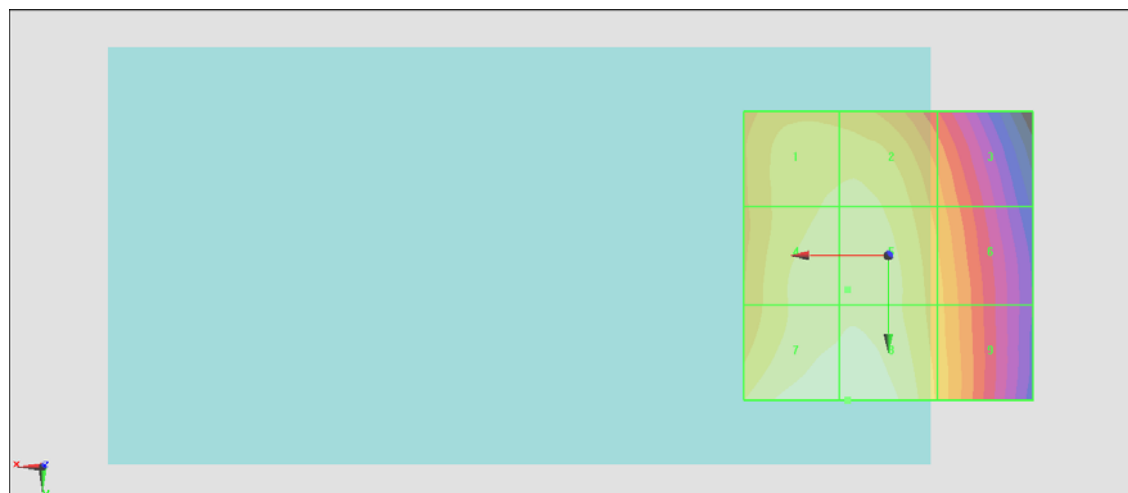
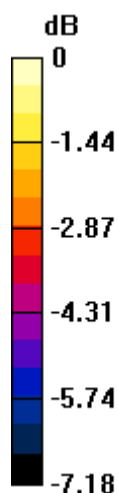
Grid 1 M4 33.64 dBV/m	Grid 2 M4 33.67 dBV/m	Grid 3 M4 32.36 dBV/m
Grid 4 M4 33.99 dBV/m	Grid 5 M4 34 dBV/m	Grid 6 M4 32.77 dBV/m
Grid 7 M4 34.48 dBV/m	Grid 8 M4 34.49 dBV/m	Grid 9 M4 32.97 dBV/m

Cursor:

Total = 34.49 dBV/m

E Category: M4

Location: 7, 25, 8.7 mm



0 dB = 53.05 V/m = 34.49 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 : 23.4 °C

DASY5 Configuration

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2015/1/26;
- 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 (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 = 42.27 V/m; Power Drift = -0.01 dB

Applied MIF = 3.63 dB

RF audio interference level = 34.59 dBV/m

Emission category: M4

MIF scaled E-field

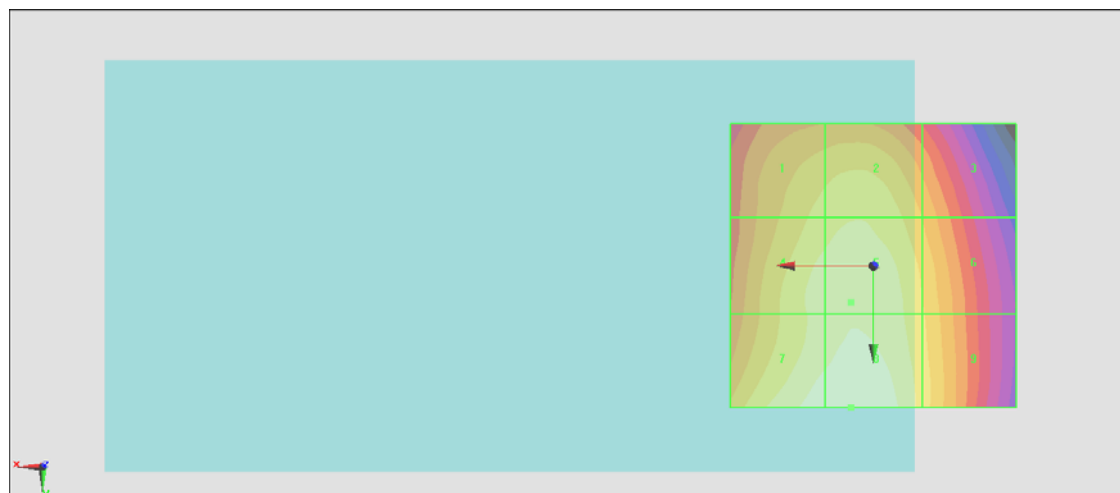
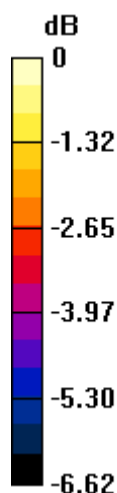
Grid 1 M4 33.49 dBV/m	Grid 2 M4 33.7 dBV/m	Grid 3 M4 32.83 dBV/m
Grid 4 M4 33.98 dBV/m	Grid 5 M4 34.13 dBV/m	Grid 6 M4 33.33 dBV/m
Grid 7 M4 34.44 dBV/m	Grid 8 M4 34.59 dBV/m	Grid 9 M4 33.53 dBV/m

Cursor:

Total = 34.59 dBV/m

E Category: M4

Location: 4, 25, 8.7 mm



0 dB = 53.65 V/m = 34.59 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/m³

Ambient Temperature : 23.4 °C

DASY5 Configuration

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2015/1/26;
- 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 (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 = 12.80 V/m; Power Drift = 0.15 dB

Applied MIF = 3.63 dB

RF audio interference level = 27.81 dBV/m

Emission category: M4

MIF scaled E-field

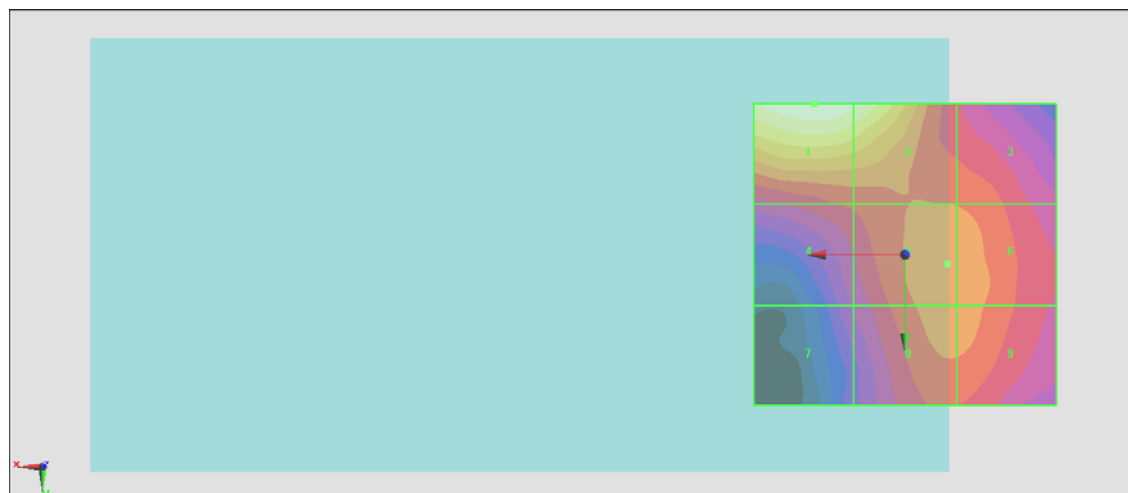
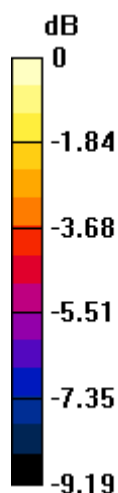
Grid 1 M4 27.81 dBV/m	Grid 2 M4 27.43 dBV/m	Grid 3 M4 24.12 dBV/m
Grid 4 M4 23.71 dBV/m	Grid 5 M4 24.63 dBV/m	Grid 6 M4 24.62 dBV/m
Grid 7 M4 22.4 dBV/m	Grid 8 M4 24.55 dBV/m	Grid 9 M4 24.55 dBV/m

Cursor:

Total = 27.81 dBV/m

E Category: M4

Location: 15, -25, 8.7 mm



0 dB = 24.58 V/m = 27.81 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 : 23.4 °C

DASY5 Configuration

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2015/1/26;
- 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 (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 = 12.92 V/m; Power Drift = -0.19 dB

Applied MIF = 3.63 dB

RF audio interference level = 28.83 dBV/m

Emission category: M4

MIF scaled E-field

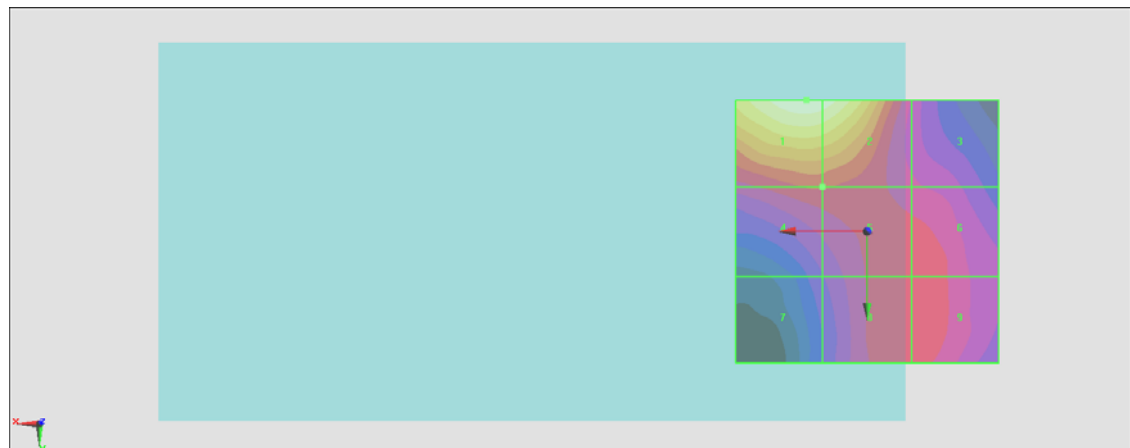
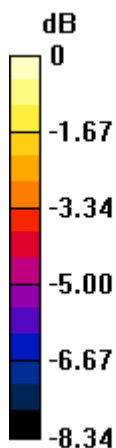
Grid 1 M4 28.83 dBV/m	Grid 2 M4 28.67 dBV/m	Grid 3 M4 24.01 dBV/m
Grid 4 M4 25.06 dBV/m	Grid 5 M4 25.04 dBV/m	Grid 6 M4 24.91 dBV/m
Grid 7 M4 23.26 dBV/m	Grid 8 M4 24.94 dBV/m	Grid 9 M4 24.94 dBV/m

Cursor:

Total = 28.83 dBV/m

E Category: M4

Location: 11.5, -25, 8.7 mm



0 dB = 27.64 V/m = 28.83 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 : 23.4 °C

DASY5 Configuration

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2015/1/26;
- 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 (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 = 12.74 V/m; Power Drift = 0.15 dB

Applied MIF = 3.63 dB

RF audio interference level = 28.44 dBV/m

Emission category: M4

MIF scaled E-field

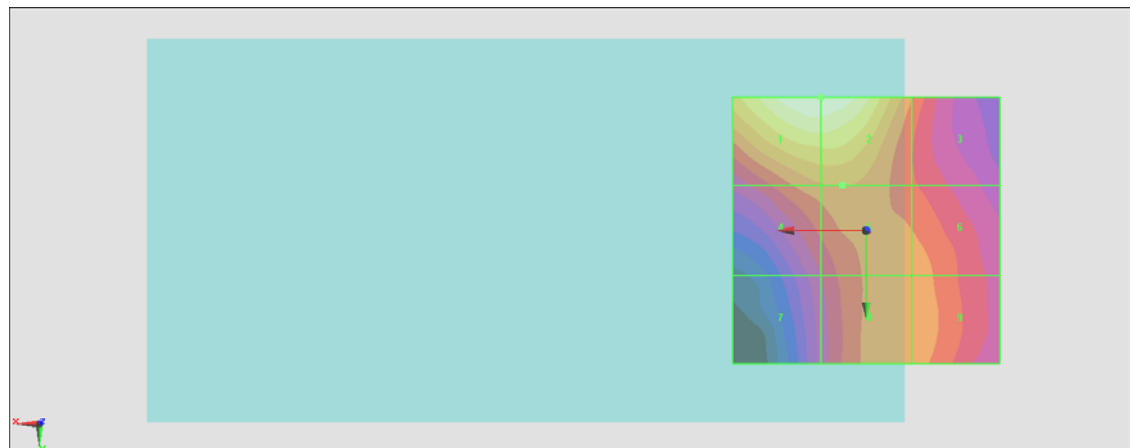
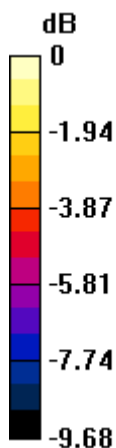
Grid 1 M4 28.44 dBV/m	Grid 2 M4 28.44 dBV/m	Grid 3 M4 24.65 dBV/m
Grid 4 M4 25.14 dBV/m	Grid 5 M4 25.25 dBV/m	Grid 6 M4 24.95 dBV/m
Grid 7 M4 23.28 dBV/m	Grid 8 M4 25.17 dBV/m	Grid 9 M4 25.06 dBV/m

Cursor:

Total = 28.44 dBV/m

E Category: M4

Location: 8.5, -25, 8.7 mm



0 dB = 26.42 V/m = 28.44 dBV/m