

#06 HAC_E_GSM850_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 : 23.6 °C

DASY5 Configuration

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2015/1/26;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn778; Calibrated: 2015/8/25
- 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 = 56.78 V/m; Power Drift = -0.05 dB

Applied MIF = 3.63 dB

RF audio interference level = 37.21 dBV/m

Emission category: M4

MIF scaled E-field

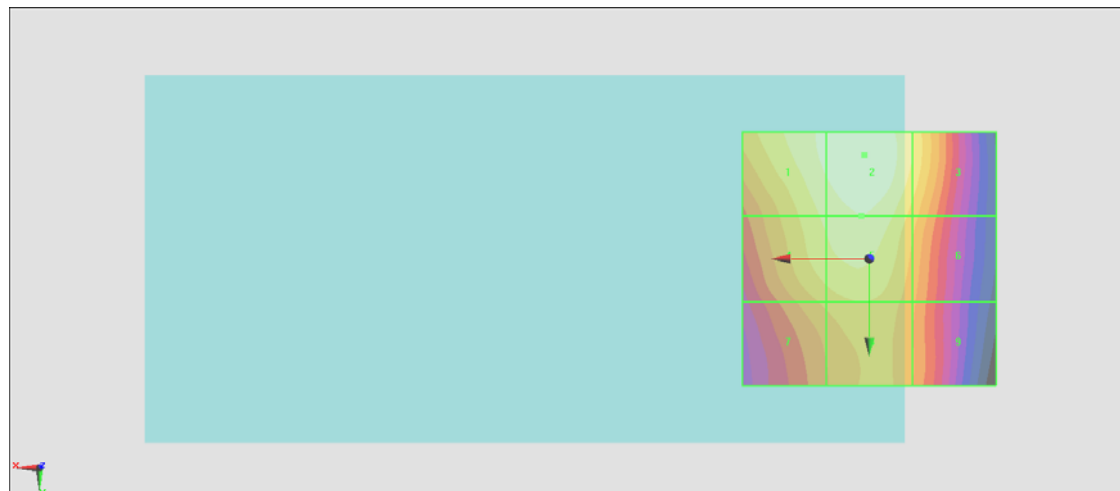
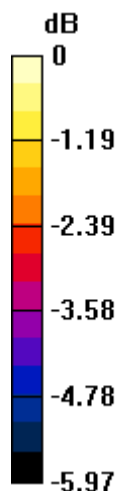
Grid 1 M4 36.93 dBV/m	Grid 2 M4 37.21 dBV/m	Grid 3 M4 36.42 dBV/m
Grid 4 M4 36.52 dBV/m	Grid 5 M4 36.8 dBV/m	Grid 6 M4 35.84 dBV/m
Grid 7 M4 35.74 dBV/m	Grid 8 M4 36.02 dBV/m	Grid 9 M4 35.32 dBV/m

Cursor:

Total = 37.21 dBV/m

E Category: M4

Location: 1, -20.5, 8.7 mm



0 dB = 72.55 V/m = 37.21 dBV/m

#07_HAC_E_GSM850_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 : 23.6 °C

DASY5 Configuration

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2015/1/26;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn778; Calibrated: 2015/8/25
- 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 = 49.32 V/m; Power Drift = -0.05 dB

Applied MIF = 3.63 dB

RF audio interference level = 36.10 dBV/m

Emission category: M4

MIF scaled E-field

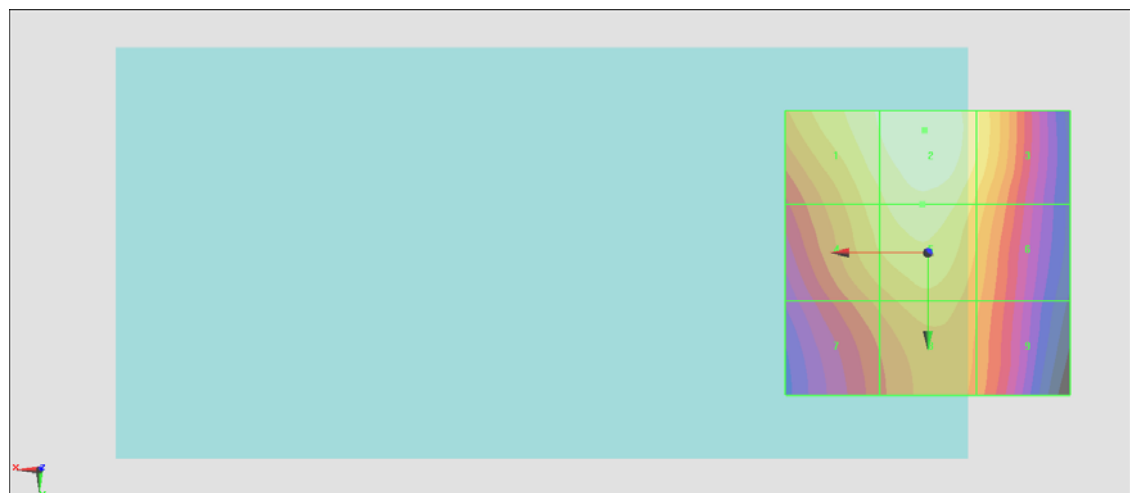
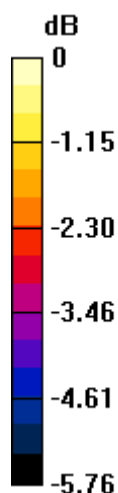
Grid 1 M4 35.77 dBV/m	Grid 2 M4 36.1 dBV/m	Grid 3 M4 35.42 dBV/m
Grid 4 M4 35.22 dBV/m	Grid 5 M4 35.61 dBV/m	Grid 6 M4 34.85 dBV/m
Grid 7 M4 34.33 dBV/m	Grid 8 M4 34.79 dBV/m	Grid 9 M4 34.28 dBV/m

Cursor:

Total = 36.10 dBV/m

E Category: M4

Location: 0.5, -21.5, 8.7 mm



0 dB = 63.83 V/m = 36.10 dBV/m

#08_HAC_E_GSM850_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 : 23.6 °C

DASY5 Configuration

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2015/1/26;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn778; Calibrated: 2015/8/25
- 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 = 48.85 V/m; Power Drift = -0.08 dB

Applied MIF = 3.63 dB

RF audio interference level = 35.90 dBV/m

Emission category: M4

MIF scaled E-field

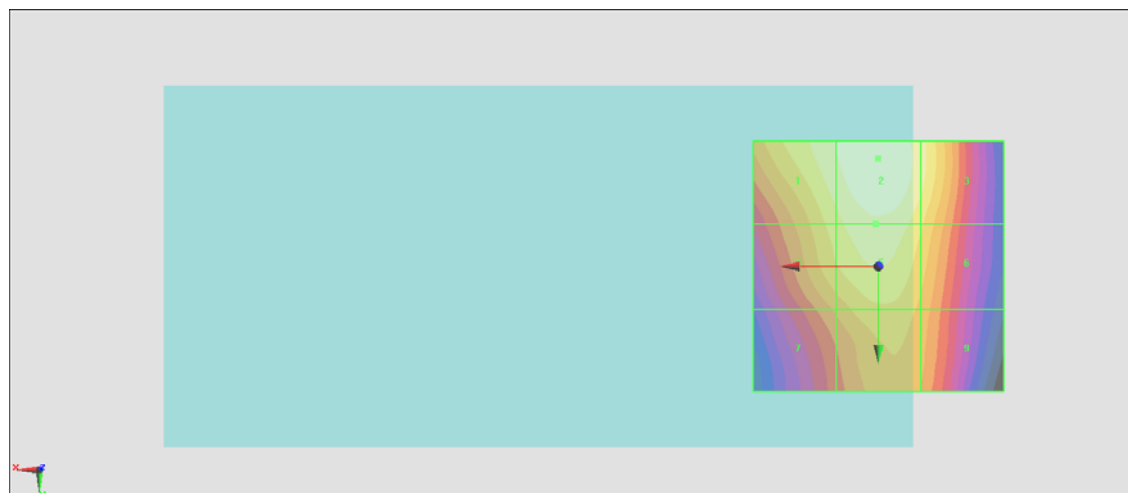
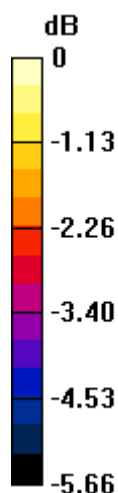
Grid 1 M4 35.54 dBV/m	Grid 2 M4 35.9 dBV/m	Grid 3 M4 35.33 dBV/m
Grid 4 M4 35 dBV/m	Grid 5 M4 35.46 dBV/m	Grid 6 M4 34.84 dBV/m
Grid 7 M4 34.11 dBV/m	Grid 8 M4 34.71 dBV/m	Grid 9 M4 34.29 dBV/m

Cursor:

Total = 35.90 dBV/m

E Category: M4

Location: 0, -21.5, 8.7 mm



0 dB = 62.37 V/m = 35.90 dBV/m

#09_HAC_E_GSM1900_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 : 23.6 °C

DASY5 Configuration

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2015/1/26;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn778; Calibrated: 2015/8/25
- 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 = 15.66 V/m; Power Drift = 0.09 dB

Applied MIF = 3.63 dB

RF audio interference level = 28.17 dBV/m

Emission category: M4

MIF scaled E-field

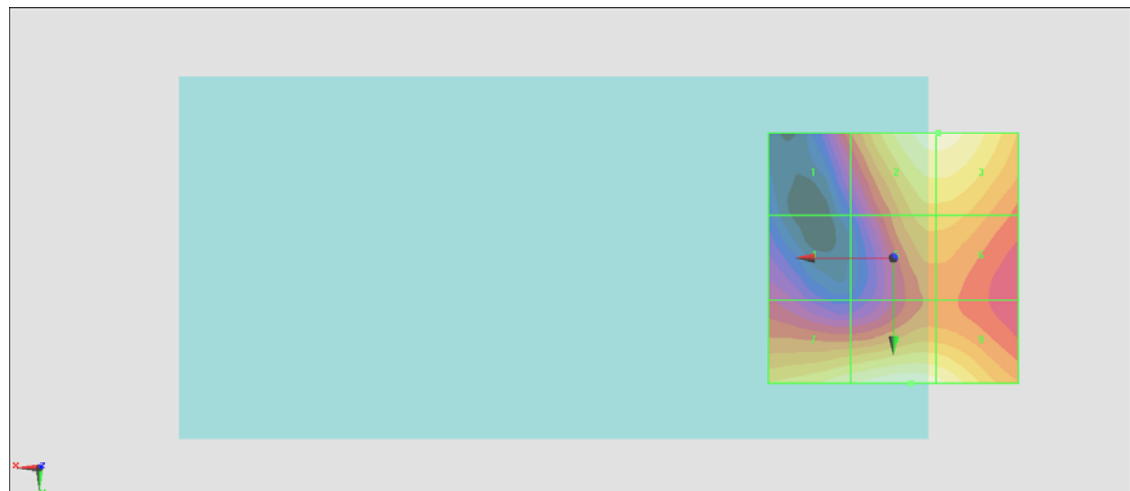
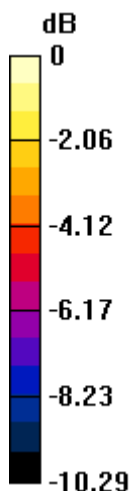
Grid 1 M4 24.07 dBV/m	Grid 2 M4 27.82 dBV/m	Grid 3 M4 27.82 dBV/m
Grid 4 M4 22.79 dBV/m	Grid 5 M4 25.83 dBV/m	Grid 6 M4 25.81 dBV/m
Grid 7 M4 27.46 dBV/m	Grid 8 M4 28.17 dBV/m	Grid 9 M4 27.83 dBV/m

Cursor:

Total = 28.17 dBV/m

E Category: M4

Location: -3.5, 25, 8.7 mm



0 dB = 25.62 V/m = 28.17 dBV/m

#10_HAC_E_GSM1900_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 : 23.6 °C

DASY5 Configuration

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2015/1/26;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn778; Calibrated: 2015/8/25
- 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 = 17.03 V/m; Power Drift = -0.04 dB

Applied MIF = 3.63 dB

RF audio interference level = 28.09 dBV/m

Emission category: M4

MIF scaled E-field

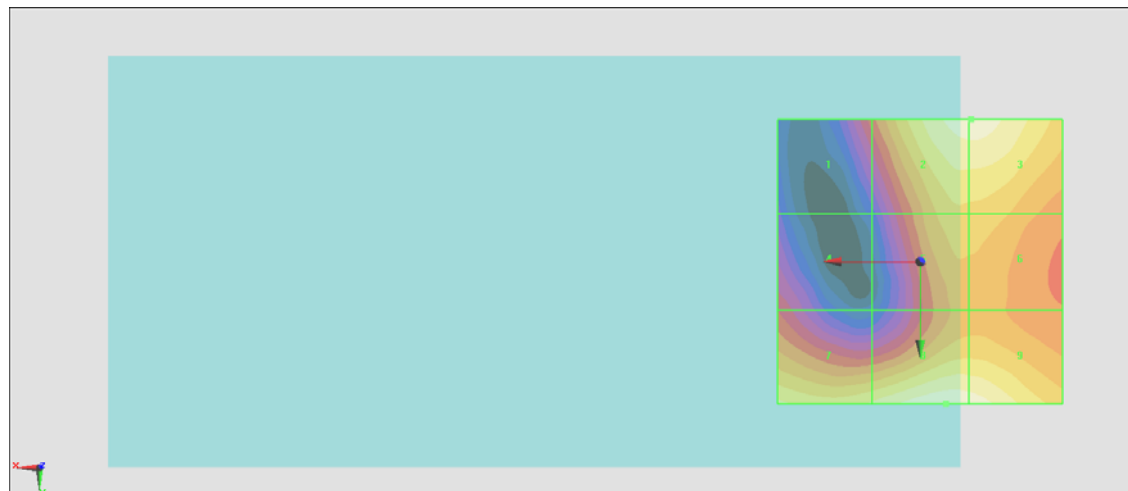
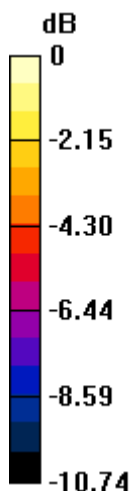
Grid 1 M4 23.51 dBV/m	Grid 2 M4 27.73 dBV/m	Grid 3 M4 27.74 dBV/m
Grid 4 M4 23.08 dBV/m	Grid 5 M4 25.8 dBV/m	Grid 6 M4 25.76 dBV/m
Grid 7 M4 26.88 dBV/m	Grid 8 M4 28.09 dBV/m	Grid 9 M4 27.91 dBV/m

Cursor:

Total = 28.09 dBV/m

E Category: M4

Location: -4.5, 25, 8.7 mm



0 dB = 25.38 V/m = 28.09 dBV/m

#11_HAC_E_GSM1900_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 : 23.6 °C

DASY5 Configuration

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2015/1/26;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn778; Calibrated: 2015/8/25
- 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 = 17.18 V/m; Power Drift = -0.11 dB

Applied MIF = 3.63 dB

RF audio interference level = 28.09 dBV/m

Emission category: M4

MIF scaled E-field

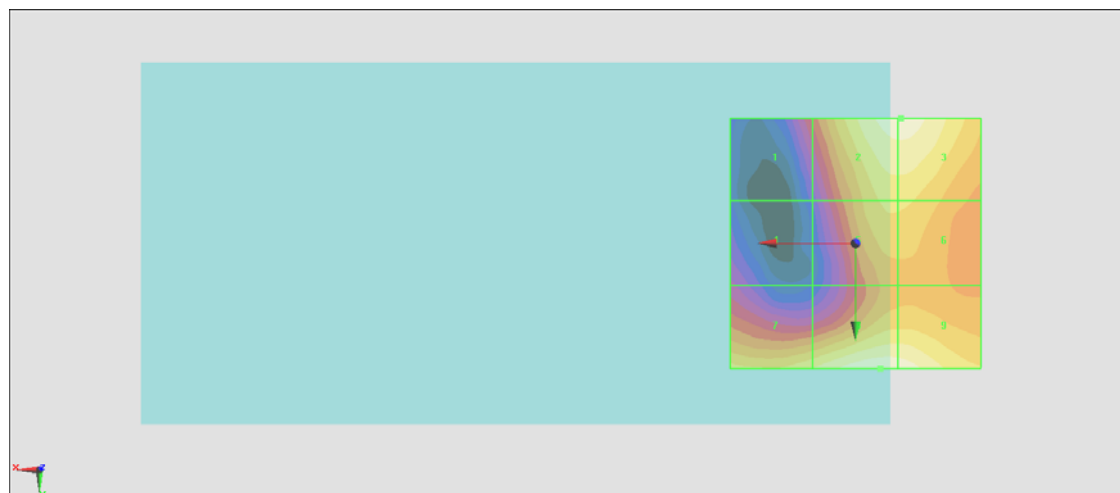
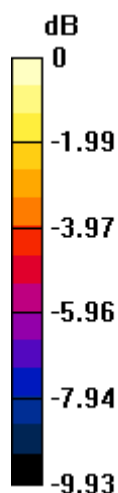
Grid 1 M4 23.71 dBV/m	Grid 2 M4 27.76 dBV/m	Grid 3 M4 27.77 dBV/m
Grid 4 M4 22.41 dBV/m	Grid 5 M4 26.3 dBV/m	Grid 6 M4 26.26 dBV/m
Grid 7 M4 26.79 dBV/m	Grid 8 M4 28.09 dBV/m	Grid 9 M4 27.96 dBV/m

Cursor:

Total = 28.09 dBV/m

E Category: M4

Location: -5, 25, 8.7 mm



0 dB = 25.38 V/m = 28.09 dBV/m