

#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 Sn1279; Calibrated: 2014/7/23
- 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 = 83.78 V/m; Power Drift = -0.08 dB

Applied MIF = 3.63 dB

RF audio interference level = 40.53 dBV/m

Emission category: M3

MIF scaled E-field

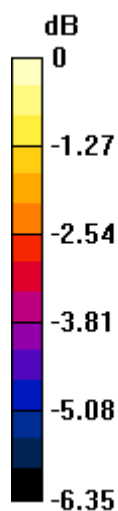
Grid 1 M4 38.87 dBV/m	Grid 2 M4 39.35 dBV/m	Grid 3 M4 38.92 dBV/m
Grid 4 M4 39.61 dBV/m	Grid 5 M3 40.07 dBV/m	Grid 6 M4 39.77 dBV/m
Grid 7 M3 40.39 dBV/m	Grid 8 M3 40.53 dBV/m	Grid 9 M4 39.89 dBV/m

Cursor:

Total = 40.53 dBV/m

E Category: M3

Location: 2, 25, 8.7 mm



0 dB = 106.3 V/m = 40.53 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 Sn1279; Calibrated: 2014/7/23
- 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 = 89.25 V/m; Power Drift = -0.04 dB

Applied MIF = 3.63 dB

RF audio interference level = 41.43 dBV/m

Emission category: M3

MIF scaled E-field

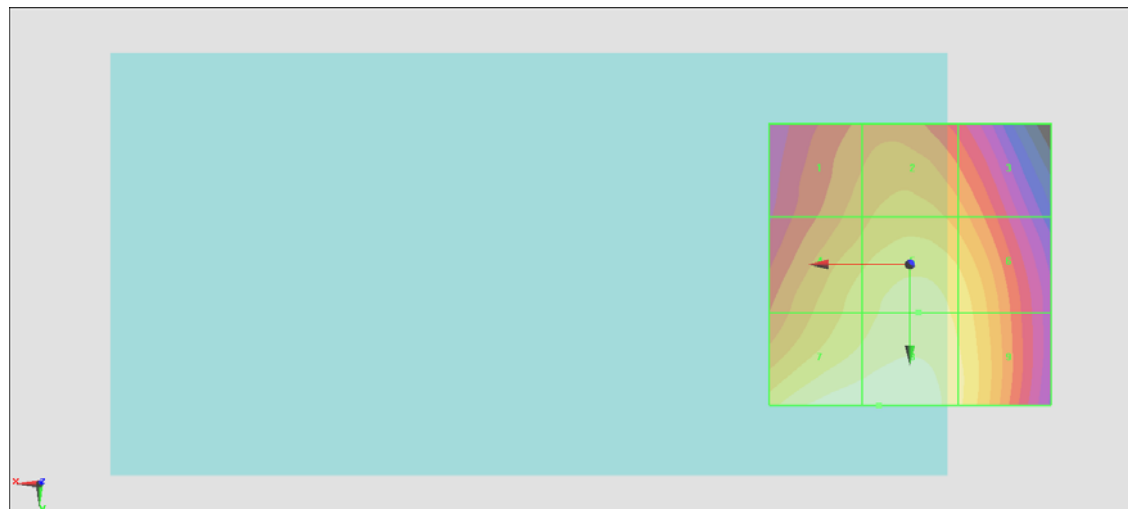
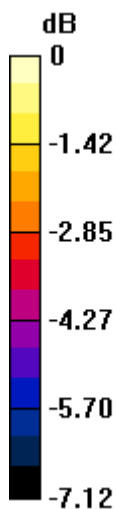
Grid 1 M4 39.39 dBV/m	Grid 2 M4 39.76 dBV/m	Grid 3 M4 39.33 dBV/m
Grid 4 M3 40.28 dBV/m	Grid 5 M3 40.71 dBV/m	Grid 6 M3 40.37 dBV/m
Grid 7 M3 41.4 dBV/m	Grid 8 M3 41.43 dBV/m	Grid 9 M3 40.64 dBV/m

Cursor:

Total = 41.43 dBV/m

E Category: M3

Location: 5.5, 25, 8.7 mm



0 dB = 117.9 V/m = 41.43 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 Sn1279; Calibrated: 2014/7/23
- 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 = 87.52 V/m; Power Drift = -0.03 dB

Applied MIF = 3.63 dB

RF audio interference level = 41.21 dBV/m

Emission category: M3

MIF scaled E-field

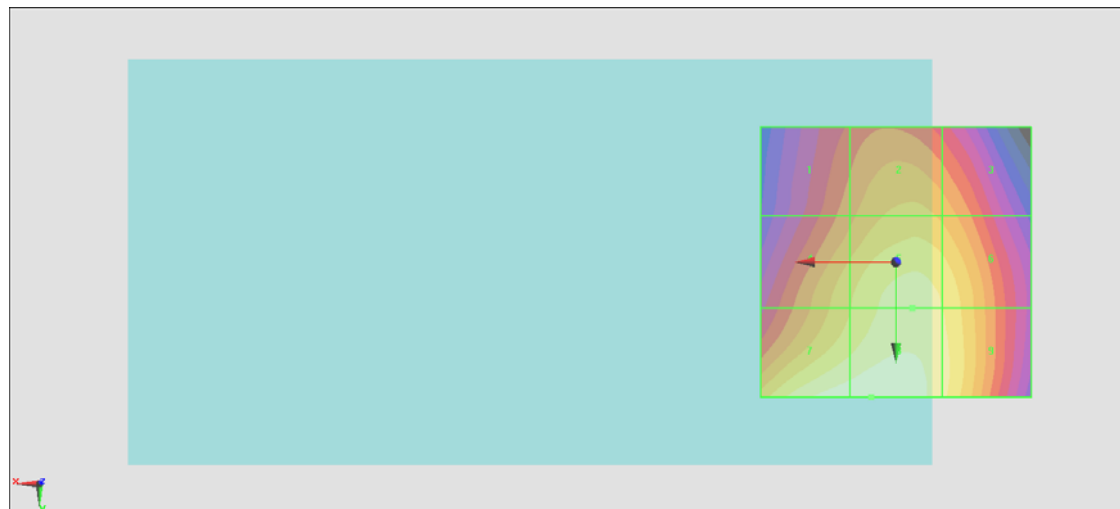
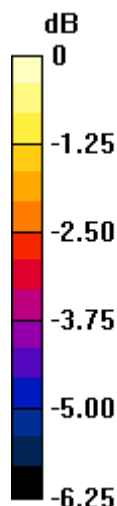
Grid 1 M4 39.03 dBV/m	Grid 2 M4 39.72 dBV/m	Grid 3 M4 39.47 dBV/m
Grid 4 M4 39.94 dBV/m	Grid 5 M3 40.6 dBV/m	Grid 6 M3 40.39 dBV/m
Grid 7 M3 41.14 dBV/m	Grid 8 M3 41.21 dBV/m	Grid 9 M3 40.57 dBV/m

Cursor:

Total = 41.21 dBV/m

E Category: M3

Location: 4.5, 25, 8.7 mm



0 dB = 115.0 V/m = 41.21 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 Sn1279; Calibrated: 2014/7/23
- 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 = 17.64 V/m; Power Drift = 0.09 dB

Applied MIF = 3.63 dB

RF audio interference level = 29.57 dBV/m

Emission category: M4

MIF scaled E-field

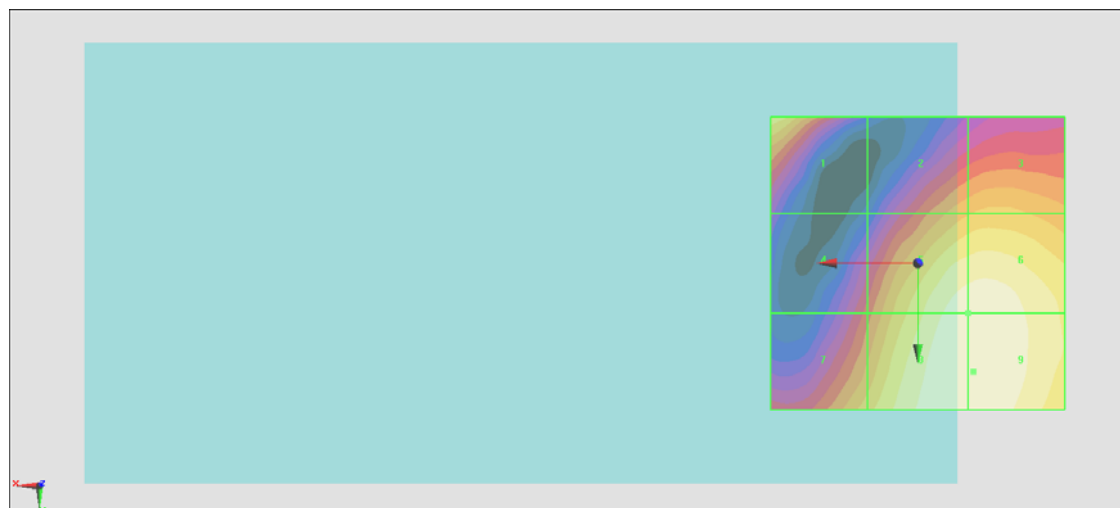
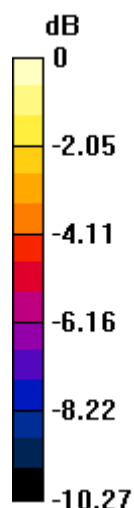
Grid 1 M4 28.11 dBV/m	Grid 2 M4 26.77 dBV/m	Grid 3 M4 27.06 dBV/m
Grid 4 M4 25.18 dBV/m	Grid 5 M4 29.32 dBV/m	Grid 6 M4 29.38 dBV/m
Grid 7 M4 27.3 dBV/m	Grid 8 M4 29.56 dBV/m	Grid 9 M4 29.57 dBV/m

Cursor:

Total = 29.57 dBV/m

E Category: M4

Location: -9.5, 18.5, 8.7 mm



0 dB = 30.10 V/m = 29.57 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 Sn1279; Calibrated: 2014/7/23
- 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 = 12.52 V/m; Power Drift = 0.14 dB

Applied MIF = 3.63 dB

RF audio interference level = 28.90 dBV/m

Emission category: M4

MIF scaled E-field

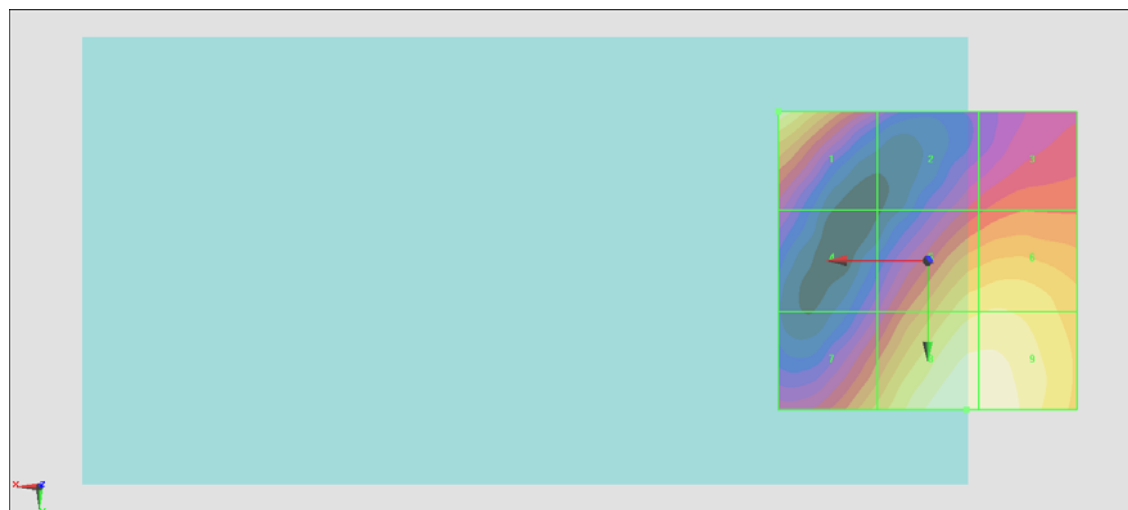
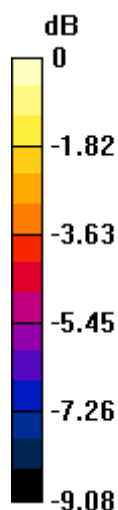
Grid 1 M4 28.16 dBV/m	Grid 2 M4 24.51 dBV/m	Grid 3 M4 25.26 dBV/m
Grid 4 M4 23.68 dBV/m	Grid 5 M4 27.64 dBV/m	Grid 6 M4 27.75 dBV/m
Grid 7 M4 26.73 dBV/m	Grid 8 M4 28.9 dBV/m	Grid 9 M4 28.86 dBV/m

Cursor:

Total = 28.90 dBV/m

E Category: M4

Location: -6.5, 25, 8.7 mm



0 dB = 27.87 V/m = 28.90 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 Sn1279; Calibrated: 2014/7/23
- 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 = 11.85 V/m; Power Drift = 0.11 dB

Applied MIF = 3.63 dB

RF audio interference level = 28.56 dBV/m

Emission category: M4

MIF scaled E-field

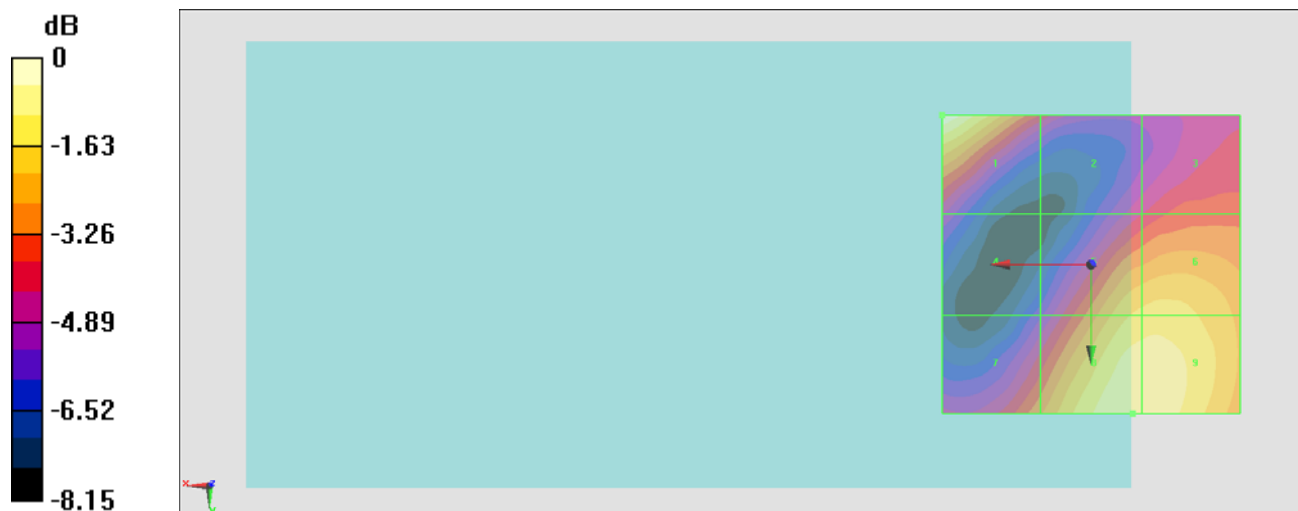
Grid 1 M4 28.56 dBV/m	Grid 2 M4 24.69 dBV/m	Grid 3 M4 25.11 dBV/m
Grid 4 M4 23.83 dBV/m	Grid 5 M4 27.1 dBV/m	Grid 6 M4 27.21 dBV/m
Grid 7 M4 25.79 dBV/m	Grid 8 M4 28.01 dBV/m	Grid 9 M4 27.99 dBV/m

Cursor:

Total = 28.56 dBV/m

E Category: M4

Location: 25, -25, 8.7 mm



0 dB = 26.81 V/m = 28.57 dBV/m