

#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 : 23.6 °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 = 44.54 V/m; Power Drift = -0.01 dB

Applied MIF = 3.63 dB

RF audio interference level = 34.82 dBV/m

Emission category: M4

MIF scaled E-field

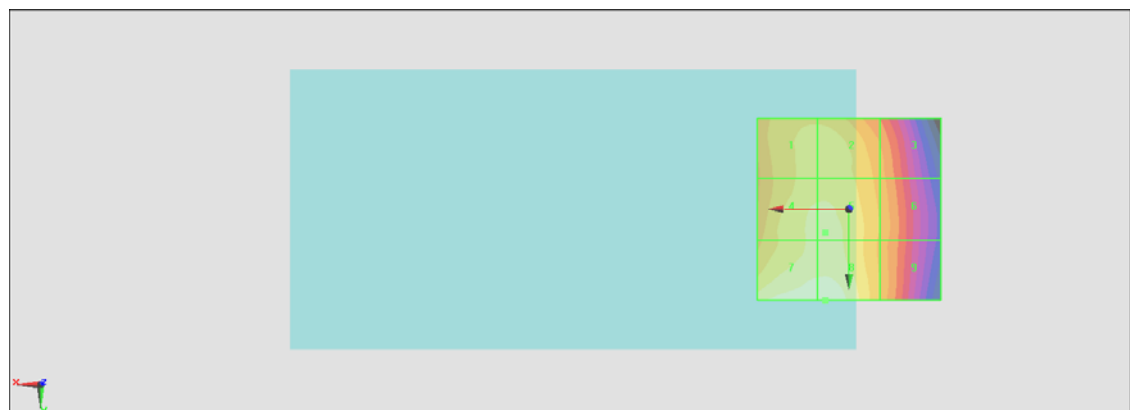
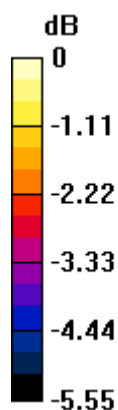
Grid 1 M4 33.97 dBV/m	Grid 2 M4 33.98 dBV/m	Grid 3 M4 33.16 dBV/m
Grid 4 M4 34.17 dBV/m	Grid 5 M4 34.19 dBV/m	Grid 6 M4 33.34 dBV/m
Grid 7 M4 34.77 dBV/m	Grid 8 M4 34.82 dBV/m	Grid 9 M4 33.35 dBV/m

Cursor:

Total = 34.82 dBV/m

E Category: M4

Location: 6.5, 25, 8.7 mm



0 dB = 55.11 V/m = 34.82 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 : 23.6 °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 = 41.69 V/m; Power Drift = 0.02 dB

Applied MIF = 3.63 dB

RF audio interference level = 35.14 dBV/m

Emission category: M4

MIF scaled E-field

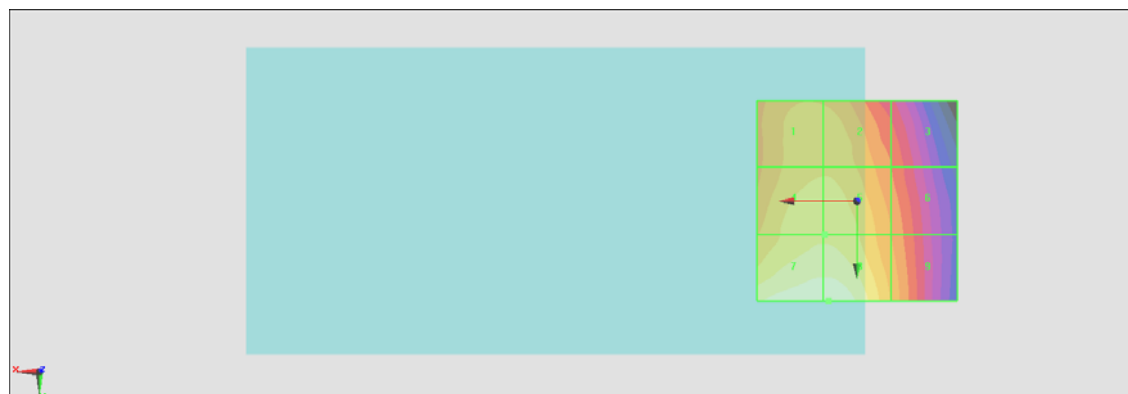
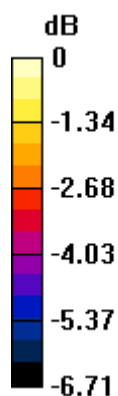
Grid 1 M4 33.74 dBV/m	Grid 2 M4 33.74 dBV/m	Grid 3 M4 32.48 dBV/m
Grid 4 M4 34.19 dBV/m	Grid 5 M4 34.19 dBV/m	Grid 6 M4 32.92 dBV/m
Grid 7 M4 35.12 dBV/m	Grid 8 M4 35.14 dBV/m	Grid 9 M4 33.31 dBV/m

Cursor:

Total = 35.14 dBV/m

E Category: M4

Location: 7, 25, 8.7 mm



0 dB = 57.13 V/m = 35.14 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 : 23.6 °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 = 42.54 V/m; Power Drift = -0.06 dB

Applied MIF = 3.63 dB

RF audio interference level = 35.19 dBV/m

Emission category: M4

MIF scaled E-field

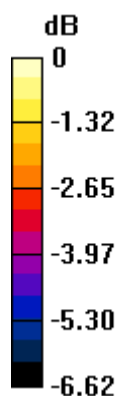
Grid 1 M4 34.1 dBV/m	Grid 2 M4 34.13 dBV/m	Grid 3 M4 32.74 dBV/m
Grid 4 M4 34.42 dBV/m	Grid 5 M4 34.48 dBV/m	Grid 6 M4 33.26 dBV/m
Grid 7 M4 35.13 dBV/m	Grid 8 M4 35.19 dBV/m	Grid 9 M4 33.63 dBV/m

Cursor:

Total = 35.19 dBV/m

E Category: M4

Location: 6, 25, 8.7 mm



0 dB = 57.48 V/m = 35.19 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 : 23.6 °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 = 11.55 V/m; Power Drift = 0.07 dB

Applied MIF = 3.63 dB

RF audio interference level = 27.42 dBV/m

Emission category: M4

MIF scaled E-field

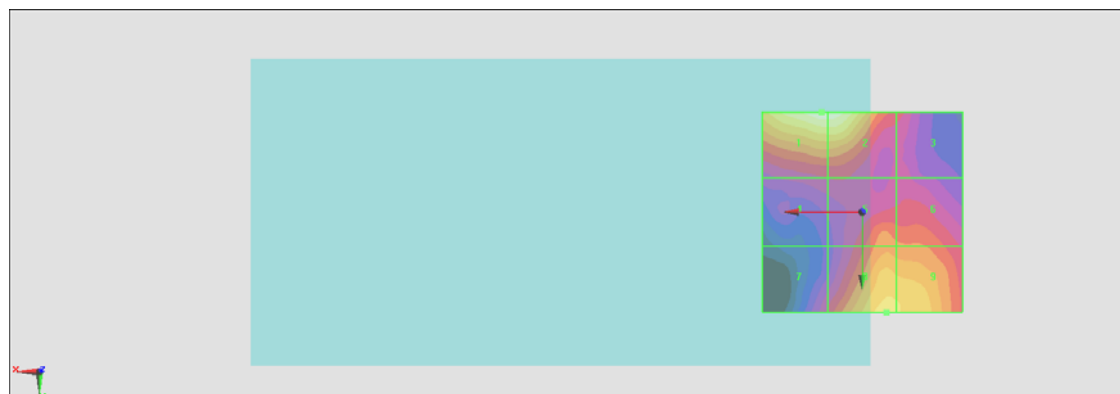
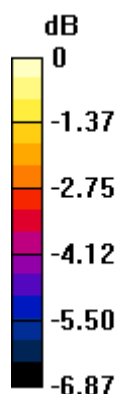
Grid 1 M4 27.42 dBV/m	Grid 2 M4 27.4 dBV/m	Grid 3 M4 24.13 dBV/m
Grid 4 M4 23.77 dBV/m	Grid 5 M4 24.98 dBV/m	Grid 6 M4 24.83 dBV/m
Grid 7 M4 23.93 dBV/m	Grid 8 M4 26.28 dBV/m	Grid 9 M4 26.11 dBV/m

Cursor:

Total = 27.42 dBV/m

E Category: M4

Location: 10, -25, 8.7 mm



0 dB = 23.51 V/m = 27.43 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 : 23.6 °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 = 14.05 V/m; Power Drift = -0.17 dB

Applied MIF = 3.63 dB

RF audio interference level = 29.15 dBV/m

Emission category: M4

MIF scaled E-field

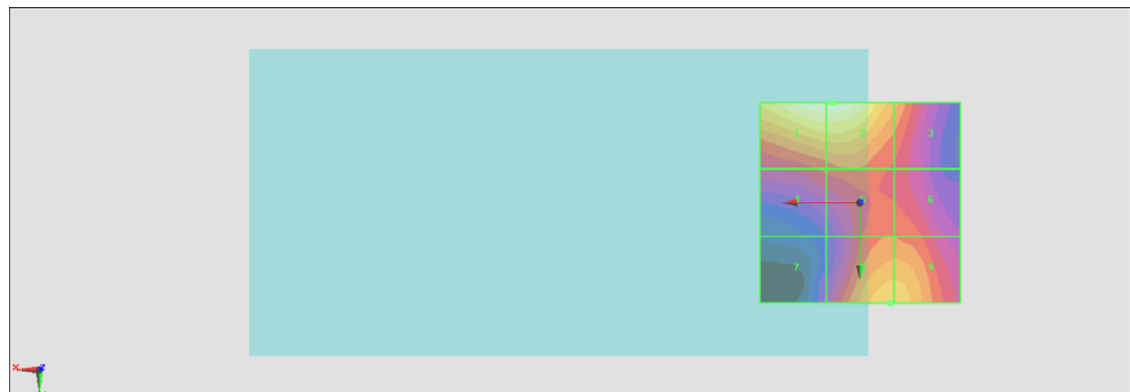
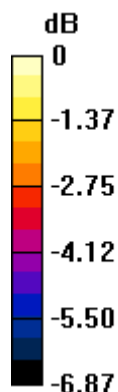
Grid 1 M4 29.12 dBV/m	Grid 2 M4 29.15 dBV/m	Grid 3 M4 27.06 dBV/m
Grid 4 M4 26.13 dBV/m	Grid 5 M4 26.43 dBV/m	Grid 6 M4 26.41 dBV/m
Grid 7 M4 24.86 dBV/m	Grid 8 M4 27.69 dBV/m	Grid 9 M4 27.67 dBV/m

Cursor:

Total = 29.15 dBV/m

E Category: M4

Location: 7, -25, 8.7 mm



0 dB = 28.67 V/m = 29.15 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 : 23.6 °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 = 14.76 V/m; Power Drift = -0.01 dB

Applied MIF = 3.63 dB

RF audio interference level = 29.94 dBV/m

Emission category: M4

MIF scaled E-field

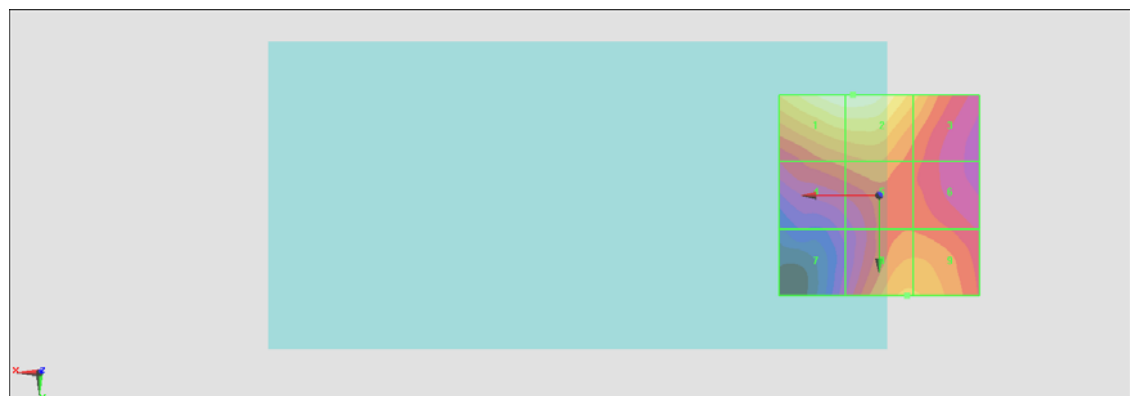
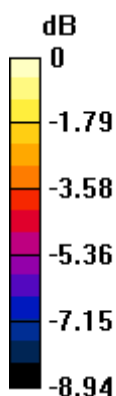
Grid 1 M4 29.91 dBV/m	Grid 2 M4 29.94 dBV/m	Grid 3 M4 27.88 dBV/m
Grid 4 M4 26.65 dBV/m	Grid 5 M4 27 dBV/m	Grid 6 M4 26.35 dBV/m
Grid 7 M4 24.57 dBV/m	Grid 8 M4 27.7 dBV/m	Grid 9 M4 27.65 dBV/m

Cursor:

Total = 29.94 dBV/m

E Category: M4

Location: 6.5, -25, 8.7 mm



0 dB = 31.42 V/m = 29.94 dBV/m