

#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 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 = 58.72 V/m; Power Drift = -0.01 dB

Applied MIF = 3.63 dB

RF audio interference level = 37.42 dBV/m

Emission category: M4

MIF scaled E-field

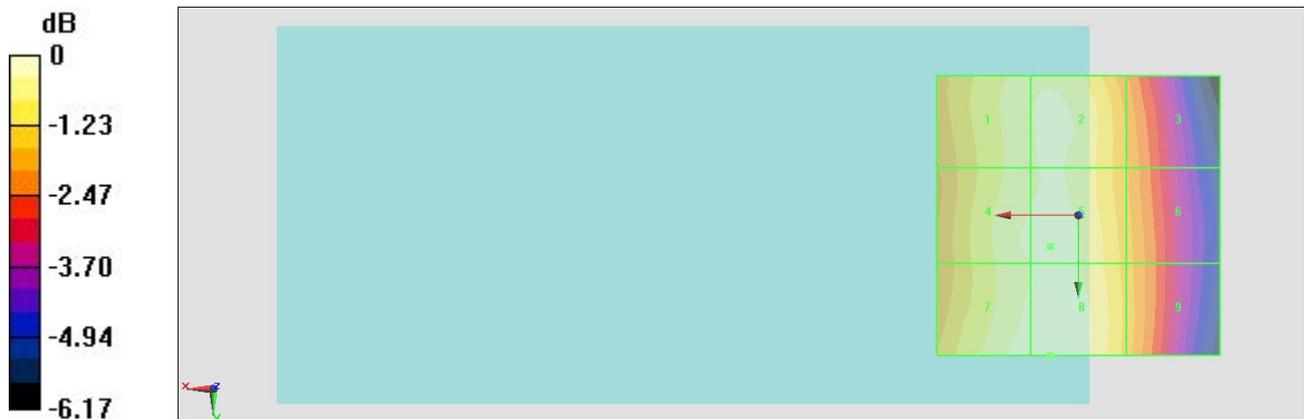
Grid 1 M4 36.98 dBV/m	Grid 2 M4 37.13 dBV/m	Grid 3 M4 35.82 dBV/m
Grid 4 M4 37.1 dBV/m	Grid 5 M4 37.19 dBV/m	Grid 6 M4 36 dBV/m
Grid 7 M4 37.28 dBV/m	Grid 8 M4 37.42 dBV/m	Grid 9 M4 36.08 dBV/m

Cursor:

Total = 37.42 dBV/m

E Category: M4

Location: 5, 25, 8.7 mm



0 dB = 74.29 V/m = 37.42 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 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 = 60.11 V/m; Power Drift = 0.04 dB

Applied MIF = 3.63 dB

RF audio interference level = 37.63 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 37.11 dBV/m	Grid 2 M4 37.25 dBV/m	Grid 3 M4 36.09 dBV/m
Grid 4 M4 37.29 dBV/m	Grid 5 M4 37.41 dBV/m	Grid 6 M4 36.3 dBV/m
Grid 7 M4 37.52 dBV/m	Grid 8 M4 37.63 dBV/m	Grid 9 M4 36.4 dBV/m

Cursor:

Total = 37.63 dBV/m

E Category: M4

Location: 2.5, 25, 8.7 mm



0 dB = 76.16 V/m = 37.63 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 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 = 67.03 V/m; Power Drift = -0.07 dB

Applied MIF = 3.63 dB

RF audio interference level = 38.43 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 37.82 dBV/m	Grid 2 M4 38.03 dBV/m	Grid 3 M4 37.01 dBV/m
Grid 4 M4 38 dBV/m	Grid 5 M4 38.19 dBV/m	Grid 6 M4 37.22 dBV/m
Grid 7 M4 38.19 dBV/m	Grid 8 M4 38.43 dBV/m	Grid 9 M4 37.29 dBV/m

Cursor:

Total = 38.43 dBV/m

E Category: M4

Location: 3, 25, 8.7 mm



0 dB = 83.43 V/m = 38.43 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 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 = 7.047 V/m; Power Drift = 0.09 dB

Applied MIF = 3.63 dB

RF audio interference level = 25.94 dBV/m

Emission category: M4

MIF scaled E-field

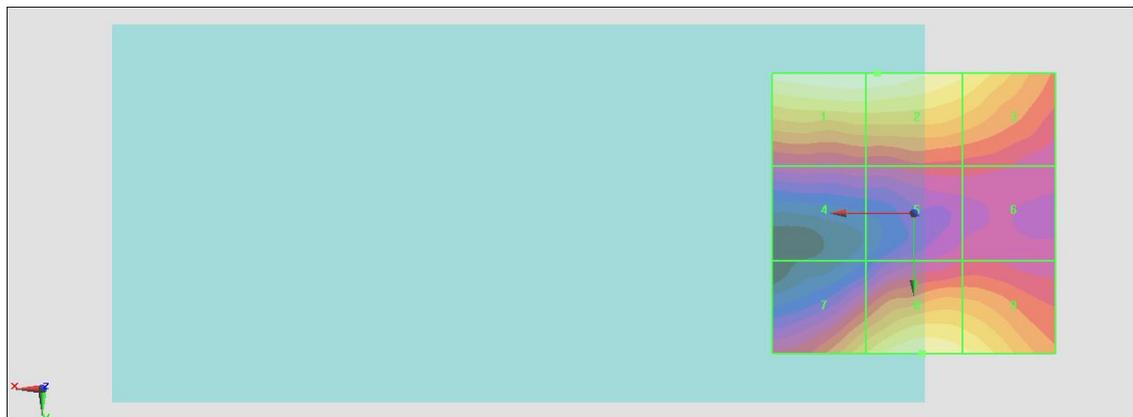
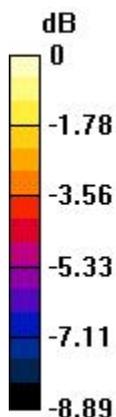
Grid 1 M4 25.92 dBV/m	Grid 2 M4 25.94 dBV/m	Grid 3 M4 24.92 dBV/m
Grid 4 M4 21.27 dBV/m	Grid 5 M4 21.67 dBV/m	Grid 6 M4 21.58 dBV/m
Grid 7 M4 24.16 dBV/m	Grid 8 M4 25.31 dBV/m	Grid 9 M4 24.96 dBV/m

Cursor:

Total = 25.94 dBV/m

E Category: M4

Location: 6.5, -25, 8.7 mm



0 dB = 19.81 V/m = 25.94 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 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 = 8.360 V/m; Power Drift = -0.18 dB
 Applied MIF = 3.63 dB
 RF audio interference level = 27.60 dBV/m

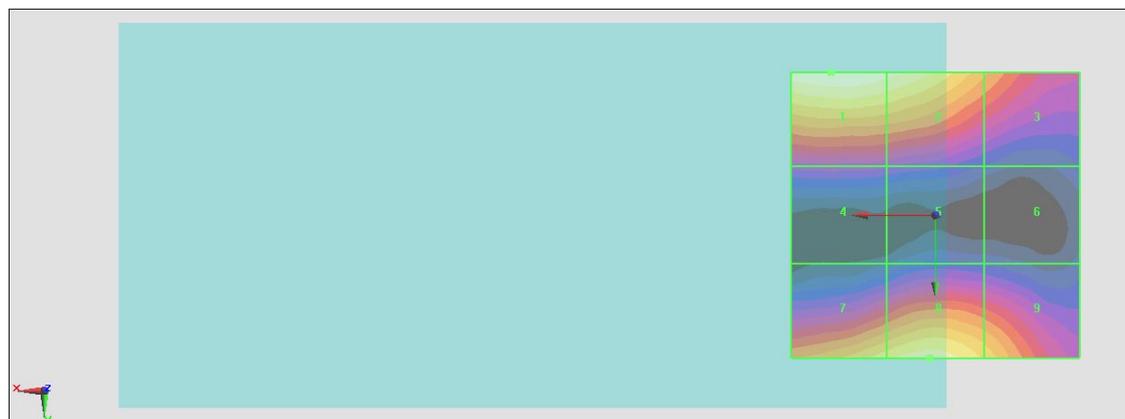
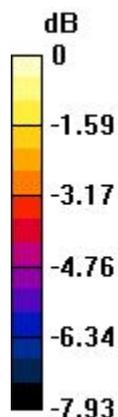
Emission category: M4

MIF scaled E-field

Grid 1 M4 27.6 dBV/m	Grid 2 M4 27.29 dBV/m	Grid 3 M4 25.09 dBV/m
Grid 4 M4 22.64 dBV/m	Grid 5 M4 22.45 dBV/m	Grid 6 M4 21.25 dBV/m
Grid 7 M4 26.35 dBV/m	Grid 8 M4 26.87 dBV/m	Grid 9 M4 25.9 dBV/m

Cursor:

Total = 27.60 dBV/m
 E Category: M4
 Location: 18, -25, 8.7 mm



0 dB = 23.99 V/m = 27.60 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 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 = 8.889 V/m; Power Drift = 0.12 dB

Applied MIF = 3.63 dB

RF audio interference level = 27.80 dBV/m

Emission category: M4

MIF scaled E-field

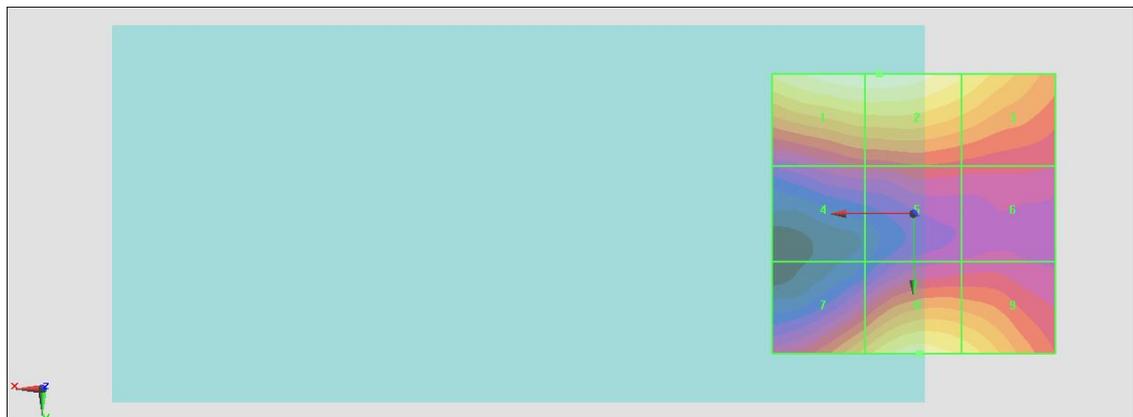
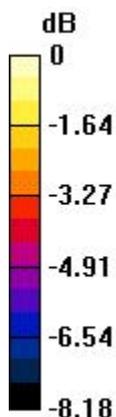
Grid 1 M4 27.77 dBV/m	Grid 2 M4 27.8 dBV/m	Grid 3 M4 26.85 dBV/m
Grid 4 M4 23.64 dBV/m	Grid 5 M4 23.97 dBV/m	Grid 6 M4 23.79 dBV/m
Grid 7 M4 25.94 dBV/m	Grid 8 M4 27.09 dBV/m	Grid 9 M4 26.63 dBV/m

Cursor:

Total = 27.80 dBV/m

E Category: M4

Location: 6, -25, 8.7 mm



0 dB = 24.56 V/m = 27.80 dBV/m