

#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 : 23.2 °C

DASY5 Configuration

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2015/1/26;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1399; Calibrated: 2014/11/13
- 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 = 37.96 V/m; Power Drift = -0.05 dB

Applied MIF = 3.63 dB

RF audio interference level = 33.51 dBV/m

Emission category: M4

MIF scaled E-field

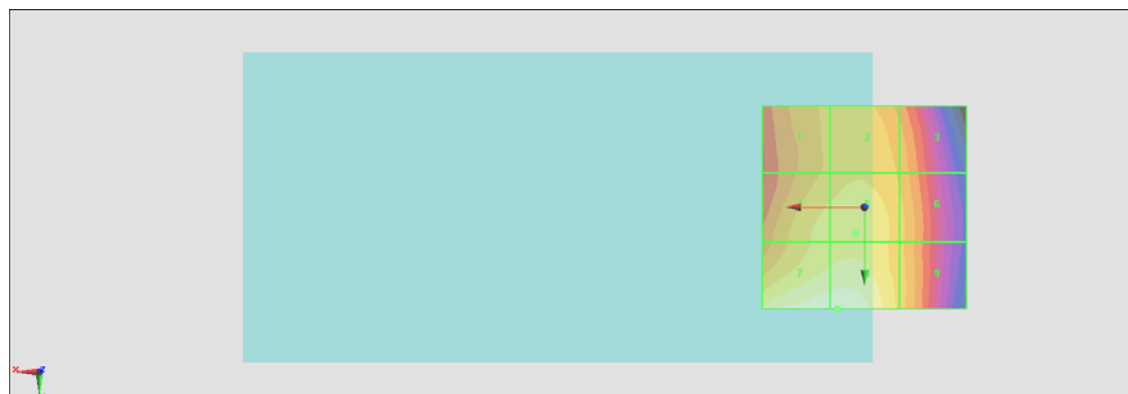
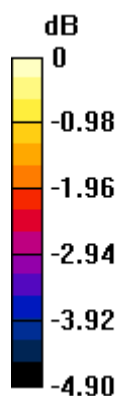
Grid 1 M4 32.31 dBV/m	Grid 2 M4 32.51 dBV/m	Grid 3 M4 32.15 dBV/m
Grid 4 M4 32.69 dBV/m	Grid 5 M4 32.78 dBV/m	Grid 6 M4 32.36 dBV/m
Grid 7 M4 33.49 dBV/m	Grid 8 M4 33.51 dBV/m	Grid 9 M4 32.43 dBV/m

Cursor:

Total = 33.51 dBV/m

E Category: M4

Location: 6.5, 25, 8.7 mm



0 dB = 47.35 V/m = 33.51 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 : 23.2 °C

DASY5 Configuration

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2015/1/26;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1399; Calibrated: 2014/11/13
- 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 = 37.97 V/m; Power Drift = -0.03 dB

Applied MIF = 3.63 dB

RF audio interference level = 34.33 dBV/m

Emission category: M4

MIF scaled E-field

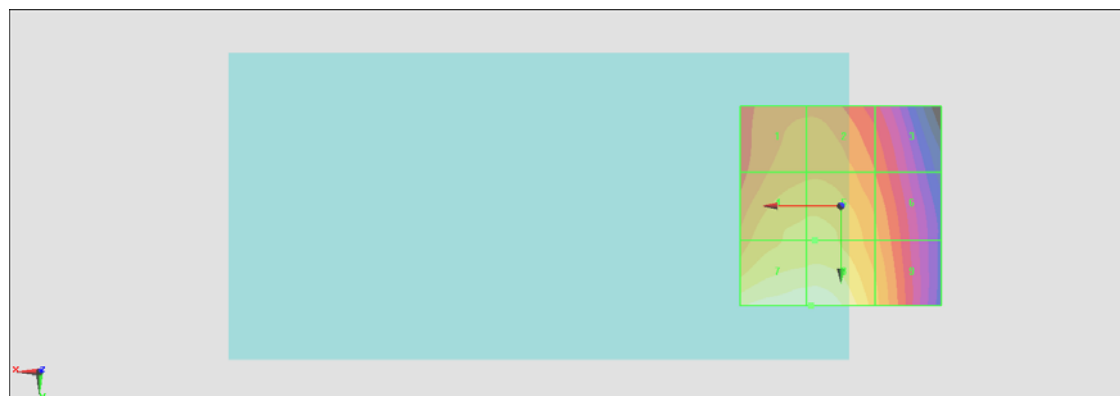
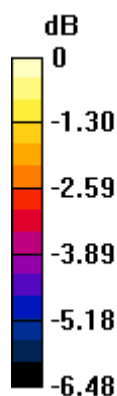
Grid 1 M4 32.53 dBV/m	Grid 2 M4 32.55 dBV/m	Grid 3 M4 31.75 dBV/m
Grid 4 M4 33.19 dBV/m	Grid 5 M4 33.21 dBV/m	Grid 6 M4 32.32 dBV/m
Grid 7 M4 34.33 dBV/m	Grid 8 M4 34.33 dBV/m	Grid 9 M4 32.78 dBV/m

Cursor:

Total = 34.33 dBV/m

E Category: M4

Location: 7.5, 25, 8.7 mm



0 dB = 52.07 V/m = 34.33 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 : 23.2 °C

DASY5 Configuration

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2015/1/26;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1399; Calibrated: 2014/11/13
- 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 = 37.91 V/m; Power Drift = -0.01 dB

Applied MIF = 3.63 dB

RF audio interference level = 34.13 dBV/m

Emission category: M4

MIF scaled E-field

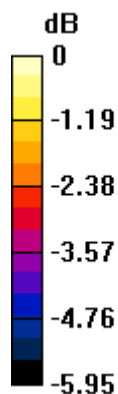
Grid 1 M4 32.62 dBV/m	Grid 2 M4 32.73 dBV/m	Grid 3 M4 31.97 dBV/m
Grid 4 M4 33.17 dBV/m	Grid 5 M4 33.29 dBV/m	Grid 6 M4 32.56 dBV/m
Grid 7 M4 34.04 dBV/m	Grid 8 M4 34.13 dBV/m	Grid 9 M4 32.96 dBV/m

Cursor:

Total = 34.13 dBV/m

E Category: M4

Location: 5.5, 25, 8.7 mm



0 dB = 50.89 V/m = 34.13 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 : 23.2 °C

DASY5 Configuration

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2015/1/26;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1399; Calibrated: 2014/11/13
- 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 = 11.68 V/m; Power Drift = 0.01 dB

Applied MIF = 3.63 dB

RF audio interference level = 25.54 dBV/m

Emission category: M4

MIF scaled E-field

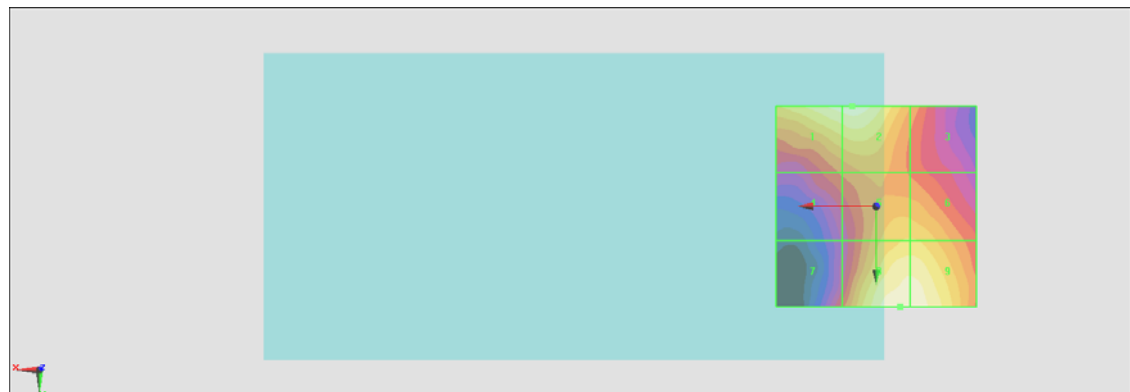
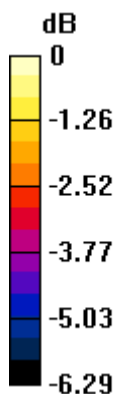
Grid 1 M4 25.34 dBV/m	Grid 2 M4 25.43 dBV/m	Grid 3 M4 23.48 dBV/m
Grid 4 M4 23.11 dBV/m	Grid 5 M4 24.34 dBV/m	Grid 6 M4 24.34 dBV/m
Grid 7 M4 22.83 dBV/m	Grid 8 M4 25.54 dBV/m	Grid 9 M4 25.41 dBV/m

Cursor:

Total = 25.54 dBV/m

E Category: M4

Location: -6, 25, 8.7 mm



0 dB = 18.92 V/m = 25.54 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 : 23.2 °C

DASY5 Configuration

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2015/1/26;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1399; Calibrated: 2014/11/13
- 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 = 13.42 V/m; Power Drift = -0.07 dB

Applied MIF = 3.63 dB

RF audio interference level = 27.18 dBV/m

Emission category: M4

MIF scaled E-field

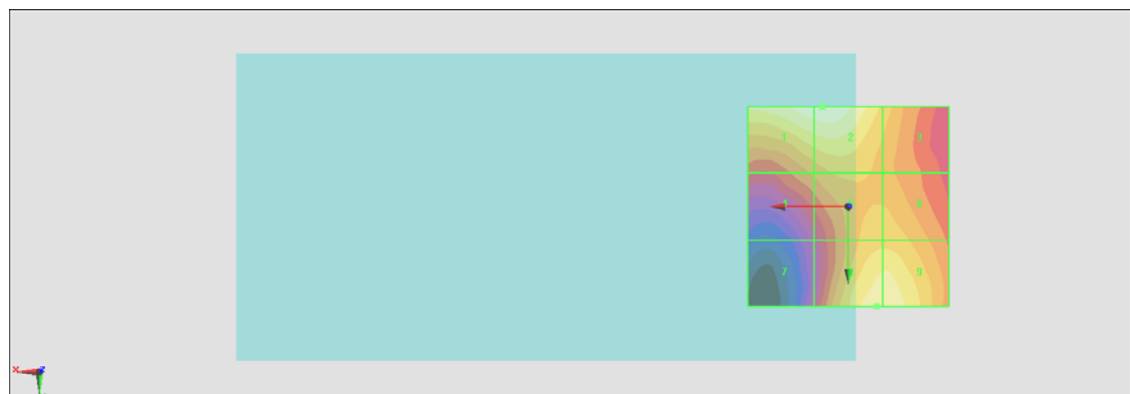
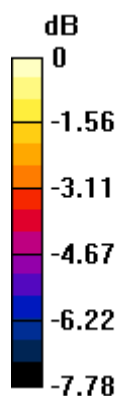
Grid 1 M4 27.12 dBV/m	Grid 2 M4 27.18 dBV/m	Grid 3 M4 25.52 dBV/m
Grid 4 M4 24.72 dBV/m	Grid 5 M4 25.49 dBV/m	Grid 6 M4 25.49 dBV/m
Grid 7 M4 23.01 dBV/m	Grid 8 M4 26.5 dBV/m	Grid 9 M4 26.47 dBV/m

Cursor:

Total = 27.18 dBV/m

E Category: M4

Location: 6.5, -25, 8.7 mm



0 dB = 22.85 V/m = 27.18 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 : 23.2 °C

DASY5 Configuration

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2015/1/26;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1399; Calibrated: 2014/11/13
- 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 = 14.87 V/m; Power Drift = -0.04 dB

Applied MIF = 3.63 dB

RF audio interference level = 28.08 dBV/m

Emission category: M4

MIF scaled E-field

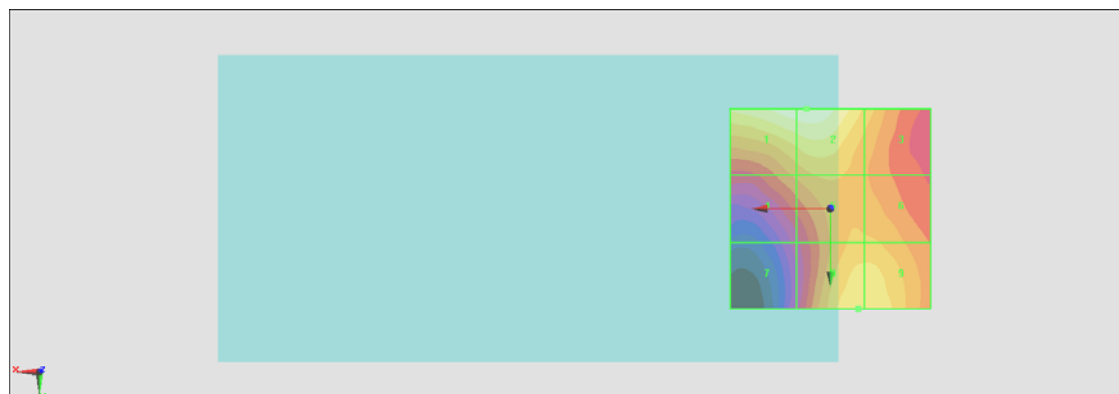
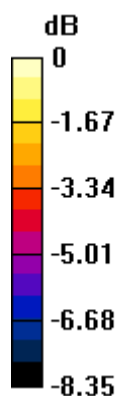
Grid 1 M4 27.98 dBV/m	Grid 2 M4 28.08 dBV/m	Grid 3 M4 26.34 dBV/m
Grid 4 M4 25.46 dBV/m	Grid 5 M4 26.02 dBV/m	Grid 6 M4 26.01 dBV/m
Grid 7 M4 23.45 dBV/m	Grid 8 M4 26.97 dBV/m	Grid 9 M4 26.93 dBV/m

Cursor:

Total = 28.08 dBV/m

E Category: M4

Location: 6, -25, 8.7 mm



0 dB = 25.35 V/m = 28.08 dBV/m