

#01_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: 2014/1/30;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn778; Calibrated: 2013/8/21
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

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 = 81.14 V/m; Power Drift = -0.03 dB

Applied MIF = 3.63 dB

RF audio interference level = 40.34 dBV/m

Emission category: M3

MIF scaled E-field

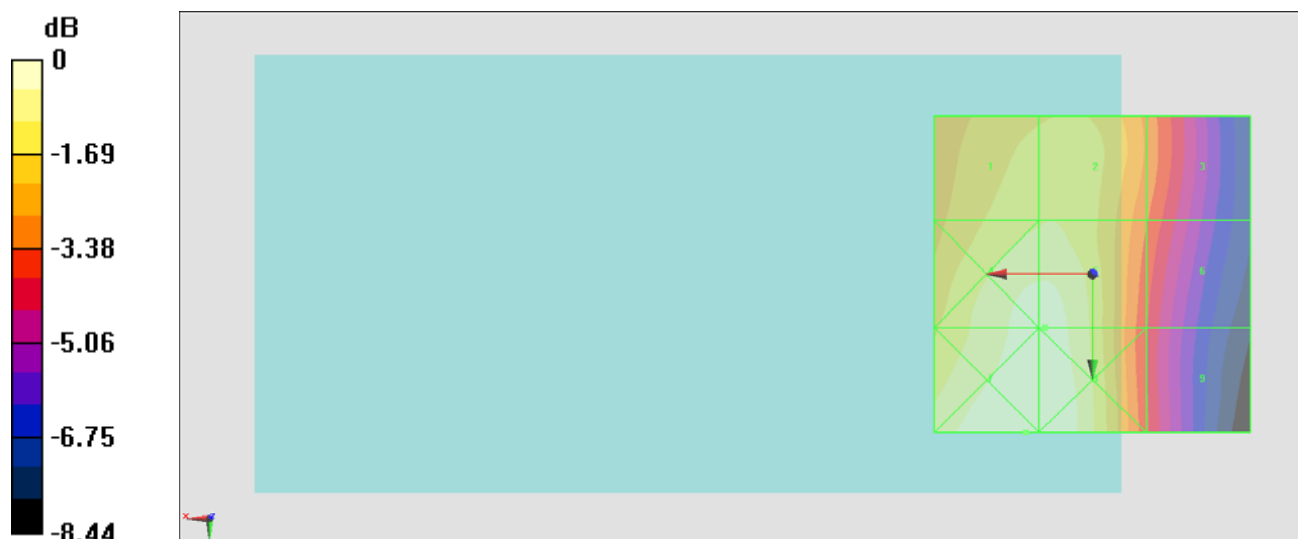
Grid 1 M4 39.51 dBV/m	Grid 2 M4 39.55 dBV/m	Grid 3 M4 37.79 dBV/m
Grid 4 M3 40.33 dBV/m	Grid 5 M3 40.34 dBV/m	Grid 6 M4 37.37 dBV/m
Grid 7 M3 40.67 dBV/m	Grid 8 M3 40.64 dBV/m	Grid 9 M4 36.9 dBV/m

Cursor:

Total = 40.67 dBV/m

E Category: M3

Location: 10.5, 25, 8.7 mm



$$0 \text{ dB} = 108.0 \text{ V/m} = 40.67 \text{ dBV/m}$$

#02_HAC_E_GSM850_Voice_Ch189

Communication System: GSM-FDD (TDMA, GMSK); Frequency: 836.6 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: 2014/1/30;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn778; Calibrated: 2013/8/21
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

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 = 79.16 V/m; Power Drift = 0.03 dB

Applied MIF = 3.63 dB

RF audio interference level = 40.08 dBV/m

Emission category: M3

MIF scaled E-field

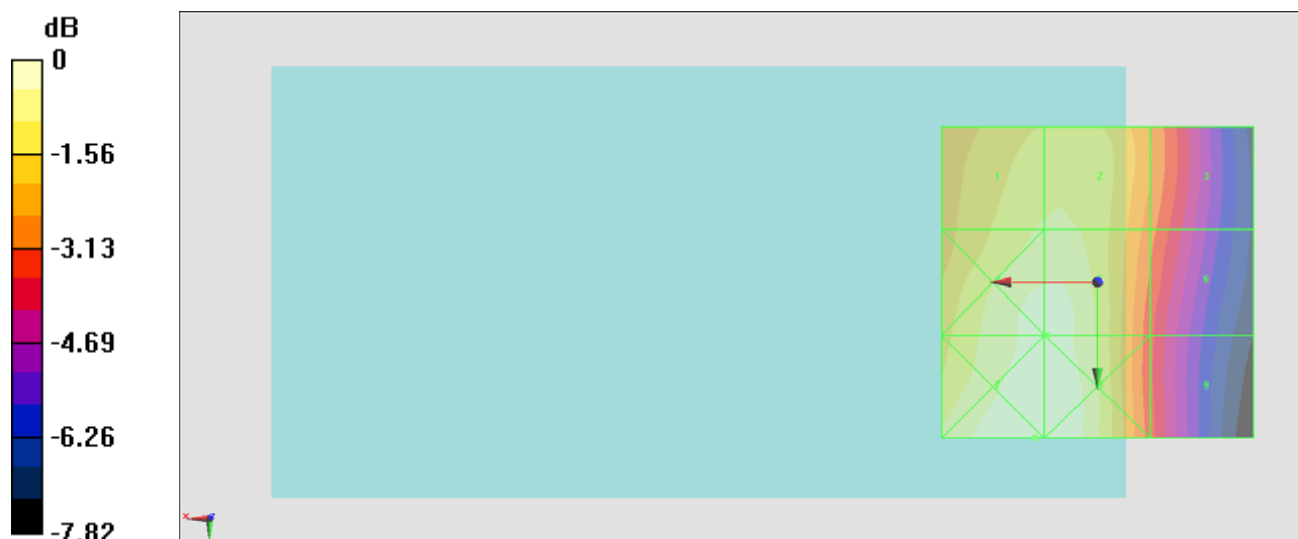
Grid 1 M4 39.4 dBV/m	Grid 2 M4 39.43 dBV/m	Grid 3 M4 37.83 dBV/m
Grid 4 M3 40.08 dBV/m	Grid 5 M3 40.08 dBV/m	Grid 6 M4 37.49 dBV/m
Grid 7 M3 40.38 dBV/m	Grid 8 M3 40.37 dBV/m	Grid 9 M4 37 dBV/m

Cursor:

Total = 40.38 dBV/m

E Category: M3

Location: 10, 25, 8.7 mm



$$0 \text{ dB} = 104.5 \text{ V/m} = 40.38 \text{ dBV/m}$$

#03_HAC_E_GSM850_Voice_Ch251

Communication System: GSM-FDD (TDMA, GMSK); Frequency: 848.6 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: 2014/1/30;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn778; Calibrated: 2013/8/21
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

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 = 80.05 V/m; Power Drift = 0.04 dB

Applied MIF = 3.63 dB

RF audio interference level = 40.21 dBV/m

Emission category: M3

MIF scaled E-field

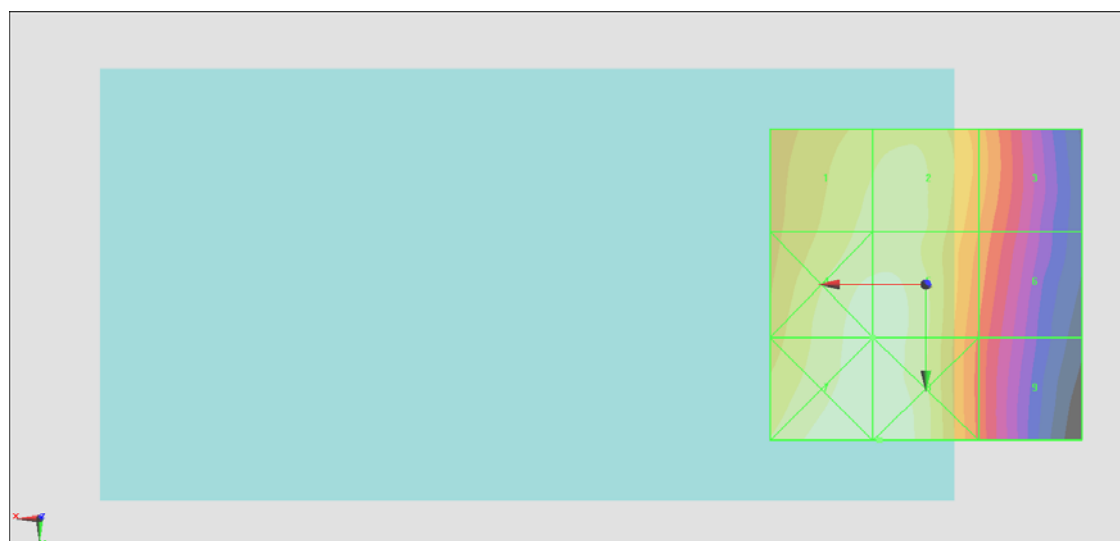
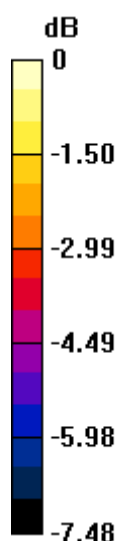
Grid 1 M4 39.62 dBV/m	Grid 2 M4 39.69 dBV/m	Grid 3 M4 38.29 dBV/m
Grid 4 M3 40.21 dBV/m	Grid 5 M3 40.21 dBV/m	Grid 6 M4 37.93 dBV/m
Grid 7 M3 40.43 dBV/m	Grid 8 M3 40.44 dBV/m	Grid 9 M4 37.37 dBV/m

Cursor:

Total = 40.44 dBV/m

E Category: M3

Location: 7.5, 25, 8.7 mm



$$0 \text{ dB} = 105.2 \text{ V/m} = 40.44 \text{ dBV/m}$$

#04_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: 2014/1/30;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn778; Calibrated: 2013/8/21
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

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 = 23.53 V/m; Power Drift = 0.03 dB

Applied MIF = 3.63 dB

RF audio interference level = 30.84 dBV/m

Emission category: M3

MIF scaled E-field

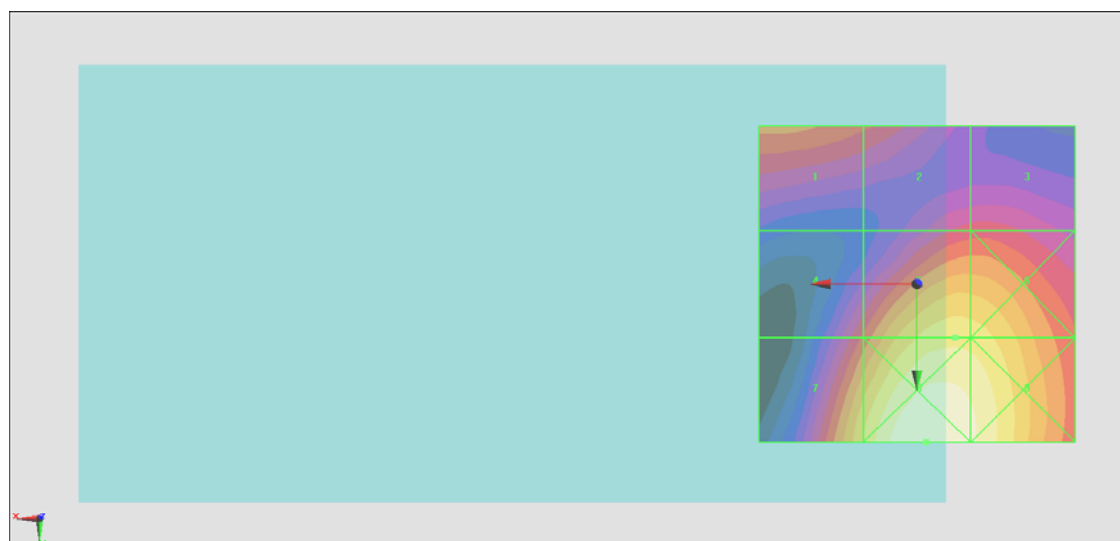
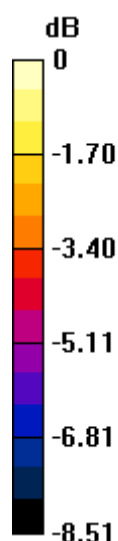
Grid 1 M4 28.95 dBV/m	Grid 2 M4 28.28 dBV/m	Grid 3 M4 27.9 dBV/m
Grid 4 M4 28.34 dBV/m	Grid 5 M3 30.83 dBV/m	Grid 6 M3 30.77 dBV/m
Grid 7 M3 30.48 dBV/m	Grid 8 M3 32.13 dBV/m	Grid 9 M3 31.69 dBV/m

Cursor:

Total = 32.13 dBV/m

E Category: M3

Location: -1.5, 25, 8.7 mm



$$0 \text{ dB} = 40.39 \text{ V/m} = 32.13 \text{ dBV/m}$$

#05_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: 2014/1/30;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn778; Calibrated: 2013/8/21
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

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 = 23.32 V/m; Power Drift = -0.01 dB

Applied MIF = 3.63 dB

RF audio interference level = 30.84 dBV/m

Emission category: M3

MIF scaled E-field

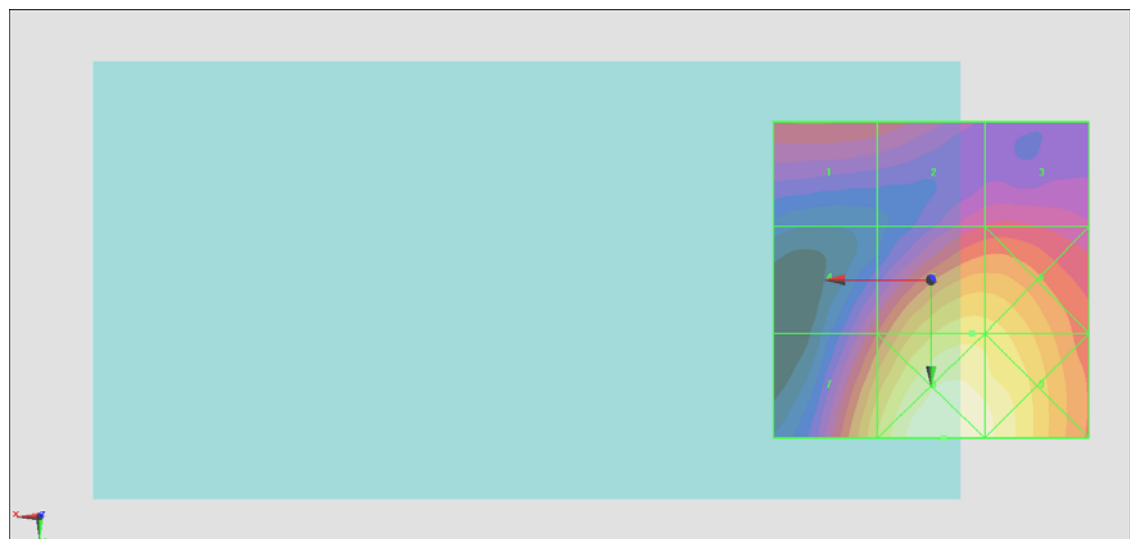
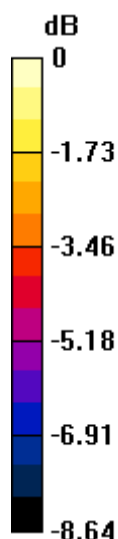
Grid 1 M4 28.23 dBV/m	Grid 2 M4 28.03 dBV/m	Grid 3 M4 27.77 dBV/m
Grid 4 M4 28.19 dBV/m	Grid 5 M3 30.84 dBV/m	Grid 6 M3 30.78 dBV/m
Grid 7 M3 30.48 dBV/m	Grid 8 M3 32.18 dBV/m	Grid 9 M3 31.79 dBV/m

Cursor:

Total = 32.18 dBV/m

E Category: M3

Location: -2, 25, 8.7 mm



$$0 \text{ dB} = 40.65 \text{ V/m} = 32.18 \text{ dBV/m}$$

#06_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: 2014/1/30;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn778; Calibrated: 2013/8/21
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

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 = 24.19 V/m; Power Drift = 0.01 dB

Applied MIF = 3.63 dB

RF audio interference level = 31.23 dBV/m

Emission category: M3

MIF scaled E-field

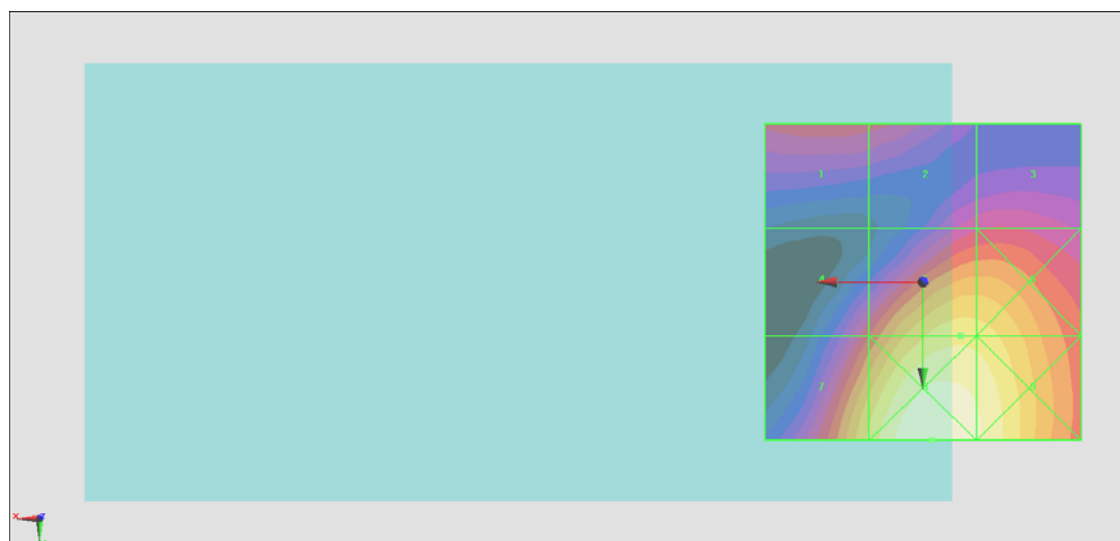
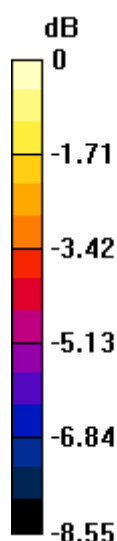
Grid 1 M4 28.34 dBV/m	Grid 2 M4 28.19 dBV/m	Grid 3 M4 28.07 dBV/m
Grid 4 M4 28.58 dBV/m	Grid 5 M3 31.23 dBV/m	Grid 6 M3 31.15 dBV/m
Grid 7 M3 31 dBV/m	Grid 8 M3 32.54 dBV/m	Grid 9 M3 32.07 dBV/m

Cursor:

Total = 32.54 dBV/m

E Category: M3

Location: -1.5, 25, 8.7 mm



$$0 \text{ dB} = 42.38 \text{ V/m} = 32.54 \text{ dBV/m}$$