

#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: 2013/1/21;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1279; Calibrated: 2013/1/28
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

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 = 67.04 V/m; Power Drift = -0.13 dB

Applied MIF = 3.63 dB

RF audio interference level = 38.24 dBV/m

Emission category: M4

MIF scaled E-field

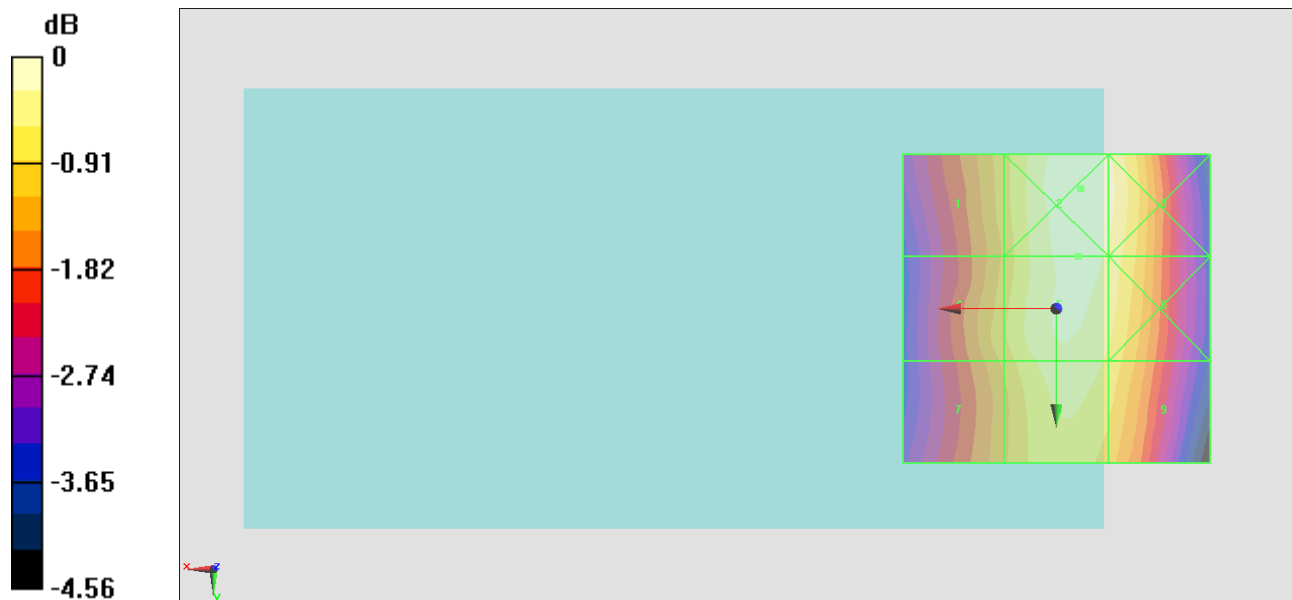
Grid 1 M4 37.42 dBV/m	Grid 2 M4 38.42 dBV/m	Grid 3 M4 38.24 dBV/m
Grid 4 M4 37.48 dBV/m	Grid 5 M4 38.24 dBV/m	Grid 6 M4 38.07 dBV/m
Grid 7 M4 37.3 dBV/m	Grid 8 M4 38.01 dBV/m	Grid 9 M4 37.75 dBV/m

Cursor:

Total = 38.42 dBV/m

E Category: M4

Location: -4, -19.5, 8.7 mm



#02_HAC_E_GSM850_GSM 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 : 23.4 °C

DASY5 Configuration:

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2013/1/21;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1279; Calibrated: 2013/1/28
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

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 = 72.00 V/m; Power Drift = -0.01 dB

Applied MIF = 3.63 dB

RF audio interference level = 38.79 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 37.99 dBV/m	Grid 2 M4 38.9 dBV/m	Grid 3 M4 38.71 dBV/m
Grid 4 M4 38.18 dBV/m	Grid 5 M4 38.79 dBV/m	Grid 6 M4 38.61 dBV/m
Grid 7 M4 38.05 dBV/m	Grid 8 M4 38.67 dBV/m	Grid 9 M4 38.43 dBV/m

Cursor:

Total = 38.90 dBV/m

E Category: M4

Location: -4, -19.5, 8.7 mm



0 dB = 88.13 V/m = 38.90 dBV/m

#03_HAC_E_GSM850_GSM 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 : 23.4 °C

DASY5 Configuration:

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2013/1/21;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1279; Calibrated: 2013/1/28
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

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 = 80.58 V/m; Power Drift = -0.06 dB

Applied MIF = 3.63 dB

RF audio interference level = 39.84 dBV/m

Emission category: M4

MIF scaled E-field

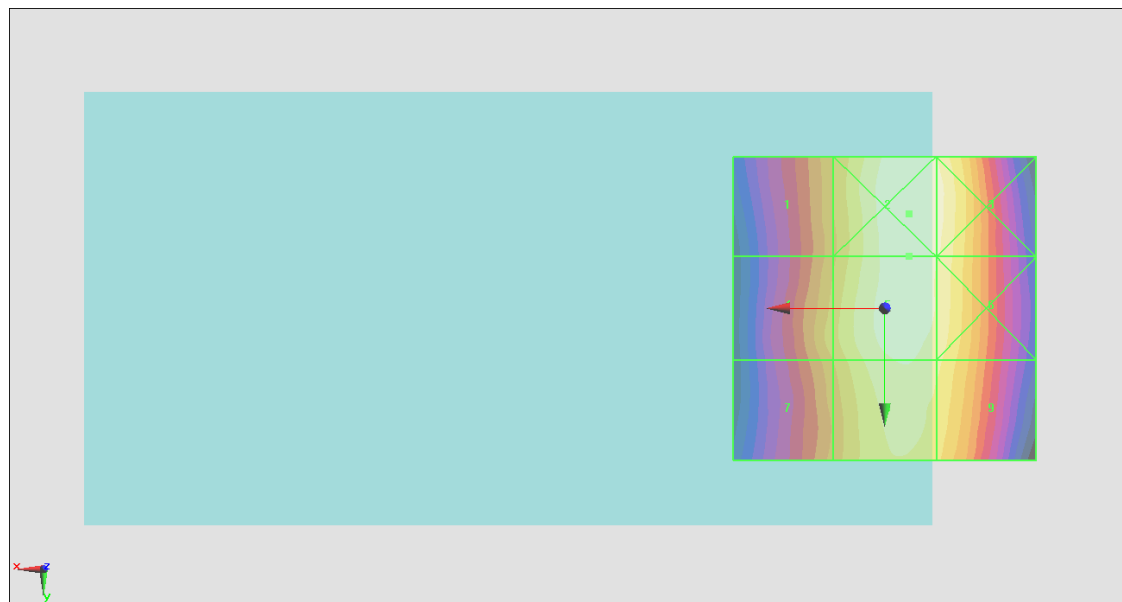
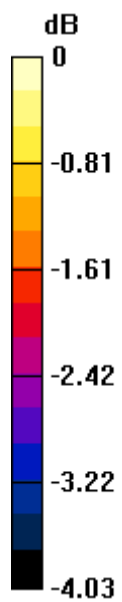
Grid 1 M4 38.83 dBV/m	Grid 2 M4 39.92 dBV/m	Grid 3 M4 39.77 dBV/m
Grid 4 M4 39.03 dBV/m	Grid 5 M4 39.84 dBV/m	Grid 6 M4 39.68 dBV/m
Grid 7 M4 38.85 dBV/m	Grid 8 M4 39.67 dBV/m	Grid 9 M4 39.47 dBV/m

Cursor:

Total = 39.92 dBV/m

E Category: M4

Location: -4, -15.5, 8.7 mm



0 dB = 99.03 V/m = 39.92 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: 2013/1/21;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1279; Calibrated: 2013/1/28
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

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 = 18.36 V/m; Power Drift = -0.06 dB

Applied MIF = 3.63 dB

RF audio interference level = 27.29 dBV/m

Emission category: M4

MIF scaled E-field

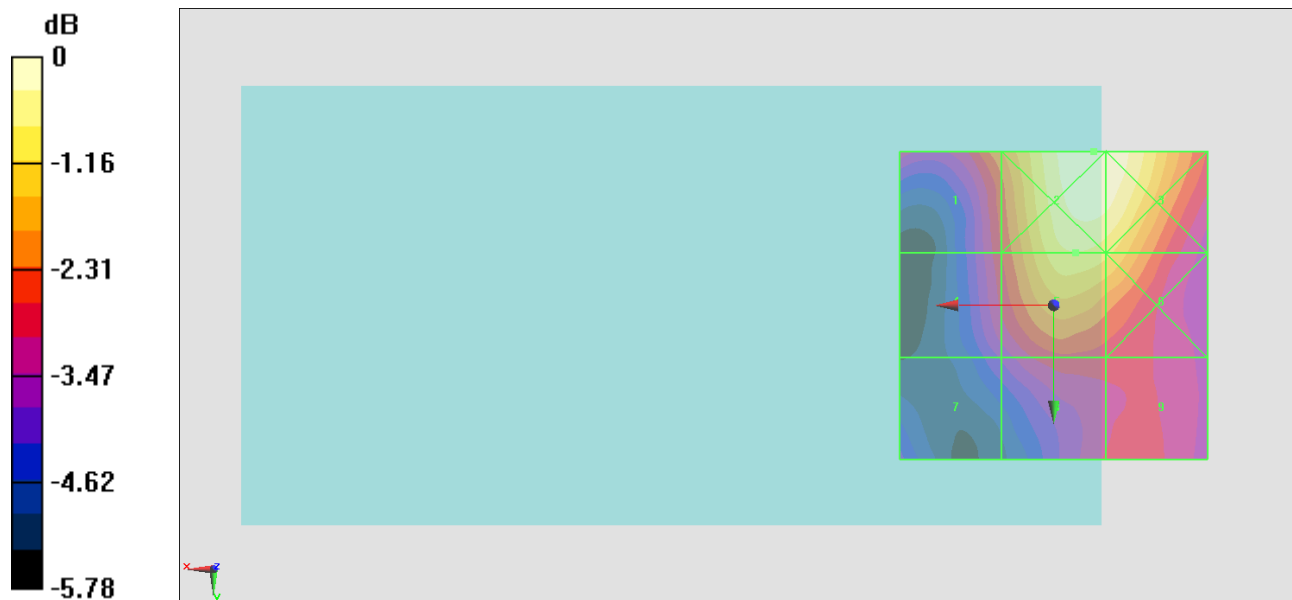
Grid 1 M4 26.18 dBV/m	Grid 2 M4 28.08 dBV/m	Grid 3 M4 28.04 dBV/m
Grid 4 M4 25.38 dBV/m	Grid 5 M4 27.29 dBV/m	Grid 6 M4 27.04 dBV/m
Grid 7 M4 24.31 dBV/m	Grid 8 M4 25.3 dBV/m	Grid 9 M4 25.23 dBV/m

Cursor:

Total = 28.08 dBV/m

E Category: M4

Location: -6.5, -25, 8.7 mm



#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: 2013/1/21;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1279; Calibrated: 2013/1/28
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

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 = 21.42 V/m; Power Drift = -0.06 dB

Applied MIF = 3.63 dB

RF audio interference level = 27.54 dBV/m

Emission category: M4

MIF scaled E-field

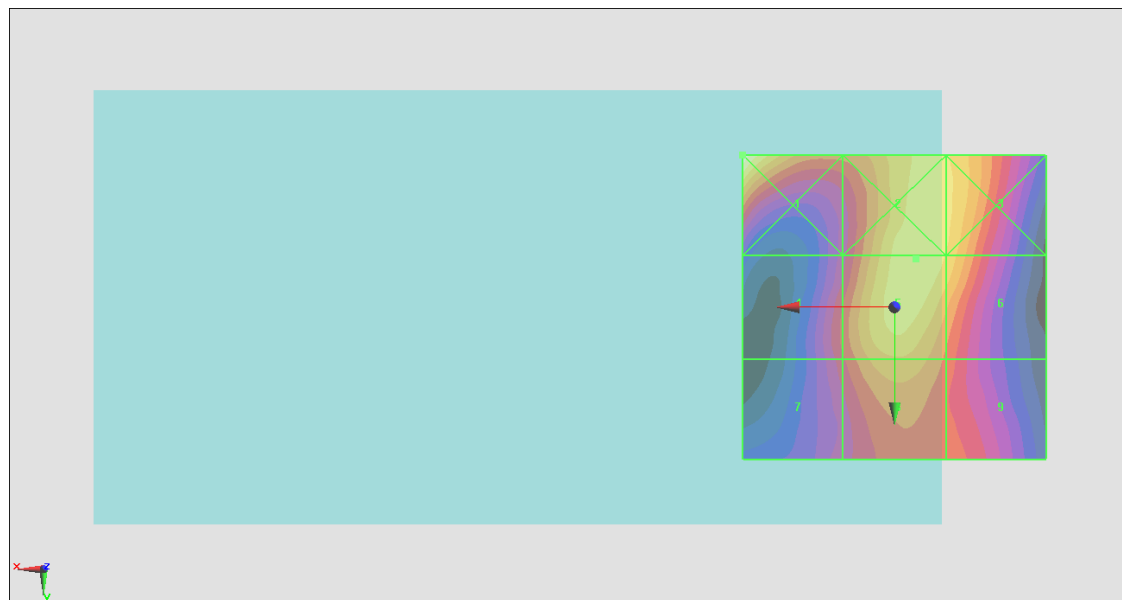
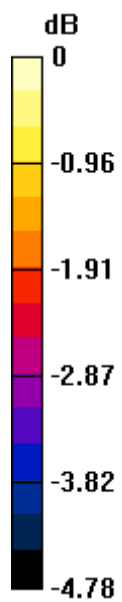
Grid 1 M4 28.19 dBV/m	Grid 2 M4 27.54 dBV/m	Grid 3 M4 27.34 dBV/m
Grid 4 M4 26.09 dBV/m	Grid 5 M4 27.54 dBV/m	Grid 6 M4 27.21 dBV/m
Grid 7 M4 25.91 dBV/m	Grid 8 M4 26.89 dBV/m	Grid 9 M4 26.21 dBV/m

Cursor:

Total = 28.19 dBV/m

E Category: M4

Location: 25, -25, 8.7 mm



0 dB = 25.67 V/m = 28.19 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: 2013/1/21;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1279; Calibrated: 2013/1/28
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

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 = 20.12 V/m; Power Drift = -0.09 dB

Applied MIF = 3.63 dB

RF audio interference level = 28.26 dBV/m

Emission category: M4

MIF scaled E-field

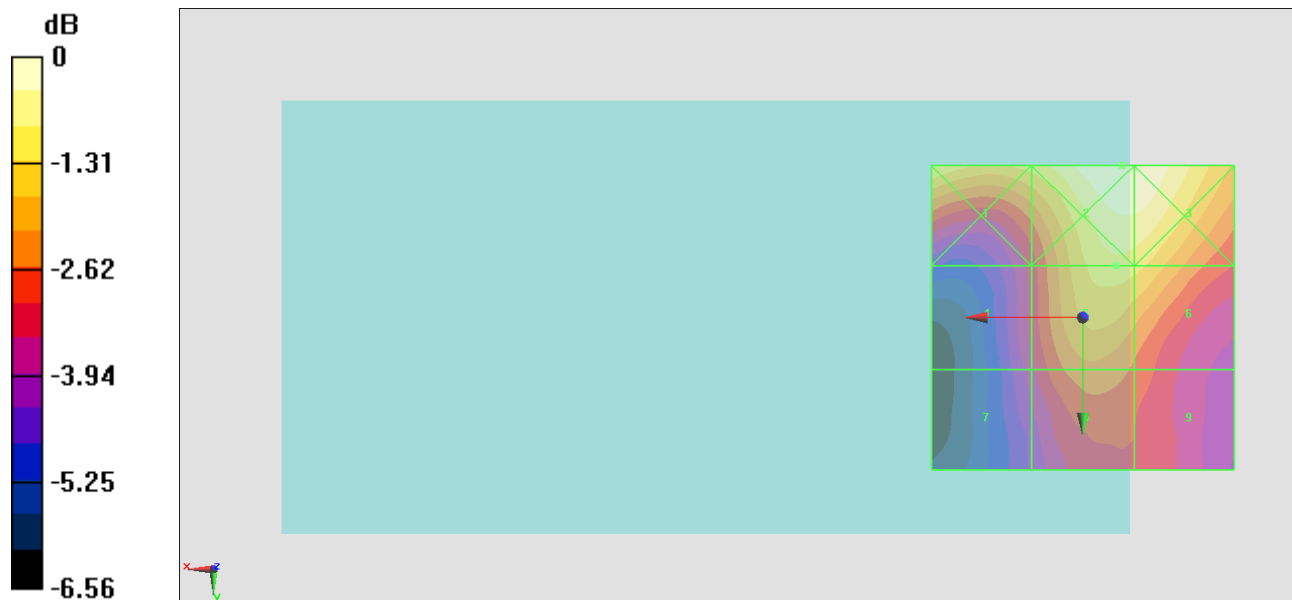
Grid 1 M4 28.57 dBV/m	Grid 2 M4 29.28 dBV/m	Grid 3 M4 29.25 dBV/m
Grid 4 M4 26.01 dBV/m	Grid 5 M4 28.26 dBV/m	Grid 6 M4 28.13 dBV/m
Grid 7 M4 25.64 dBV/m	Grid 8 M4 26.98 dBV/m	Grid 9 M4 26.59 dBV/m

Cursor:

Total = 29.28 dBV/m

E Category: M4

Location: -6.5, -25, 8.7 mm



0 dB = 29.12 V/m = 29.28 dBV/m