

#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: 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 = 55.99 V/m; Power Drift = 0.04 dB

Applied MIF = 3.63 dB

RF audio interference level = 36.63 dBV/m

Emission category: M4

MIF scaled E-field

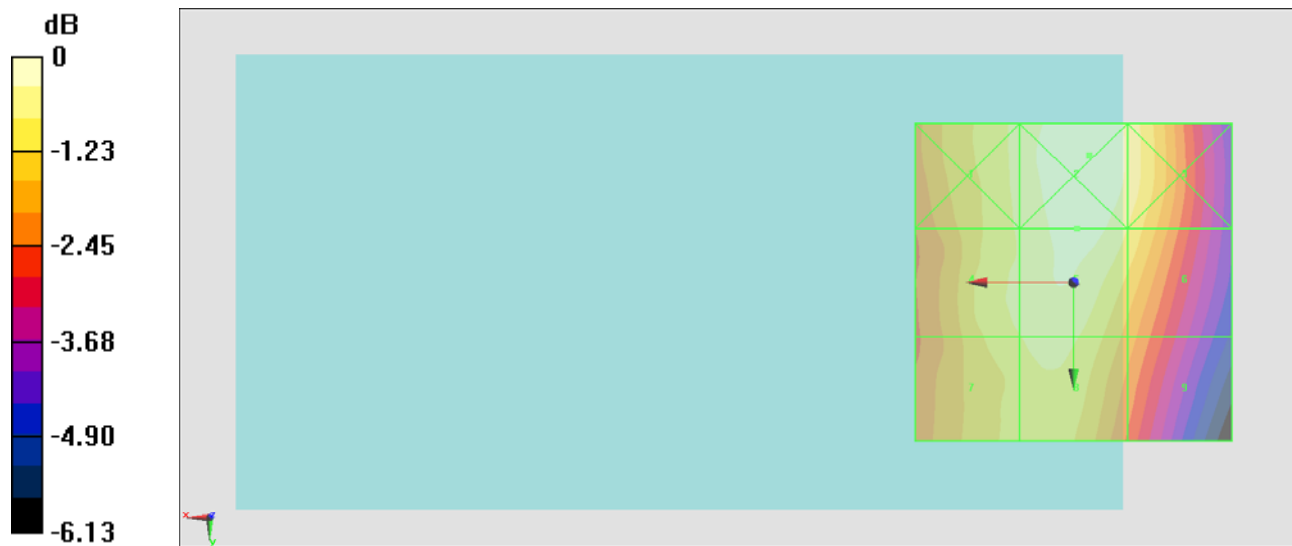
Grid 1 M4 36.21 dBV/m	Grid 2 M4 36.87 dBV/m	Grid 3 M4 36.41 dBV/m
Grid 4 M4 36.2 dBV/m	Grid 5 M4 36.63 dBV/m	Grid 6 M4 36.05 dBV/m
Grid 7 M4 36.04 dBV/m	Grid 8 M4 36.24 dBV/m	Grid 9 M4 35.09 dBV/m

Cursor:

Total = 36.87 dBV/m

E Category: M4

Location: -2.5, -20, 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 : 23.6 °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 = 55.45 V/m; Power Drift = -0.04 dB

Applied MIF = 3.63 dB

RF audio interference level = 36.43 dBV/m

Emission category: M4

MIF scaled E-field

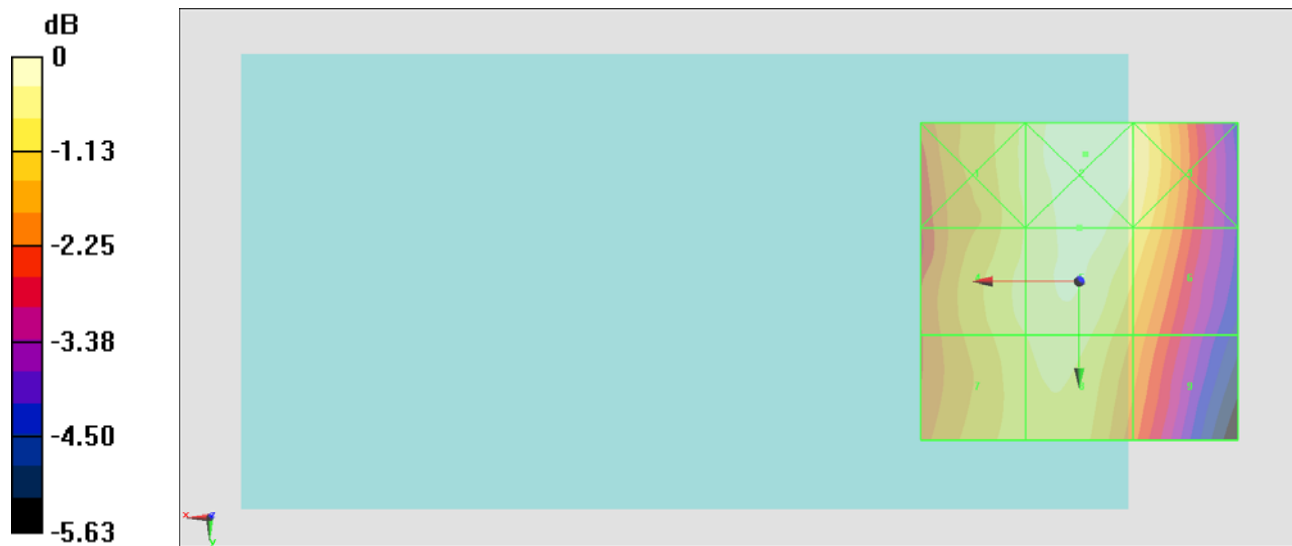
Grid 1 M4 36.02 dBV/m	Grid 2 M4 36.67 dBV/m	Grid 3 M4 36.32 dBV/m
Grid 4 M4 36.07 dBV/m	Grid 5 M4 36.43 dBV/m	Grid 6 M4 35.98 dBV/m
Grid 7 M4 35.91 dBV/m	Grid 8 M4 36.12 dBV/m	Grid 9 M4 35.13 dBV/m

Cursor:

Total = 36.67 dBV/m

E Category: M4

Location: -1, -20, 8.7 mm



#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 : 23.6 °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 = 64.31 V/m; Power Drift = -0.03 dB

Applied MIF = 3.63 dB

RF audio interference level = 37.73 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 37.08 dBV/m	Grid 2 M4 37.89 dBV/m	Grid 3 M4 37.68 dBV/m
Grid 4 M4 37.24 dBV/m	Grid 5 M4 37.73 dBV/m	Grid 6 M4 37.42 dBV/m
Grid 7 M4 37.09 dBV/m	Grid 8 M4 37.45 dBV/m	Grid 9 M4 36.77 dBV/m

Cursor:

Total = 37.89 dBV/m

E Category: M4

Location: -2, -19, 8.7 mm



#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: 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 = 25.46 V/m; Power Drift = 0.06 dB

Applied MIF = 3.63 dB

RF audio interference level = 30.47 dBV/m

Emission category: M3

MIF scaled E-field

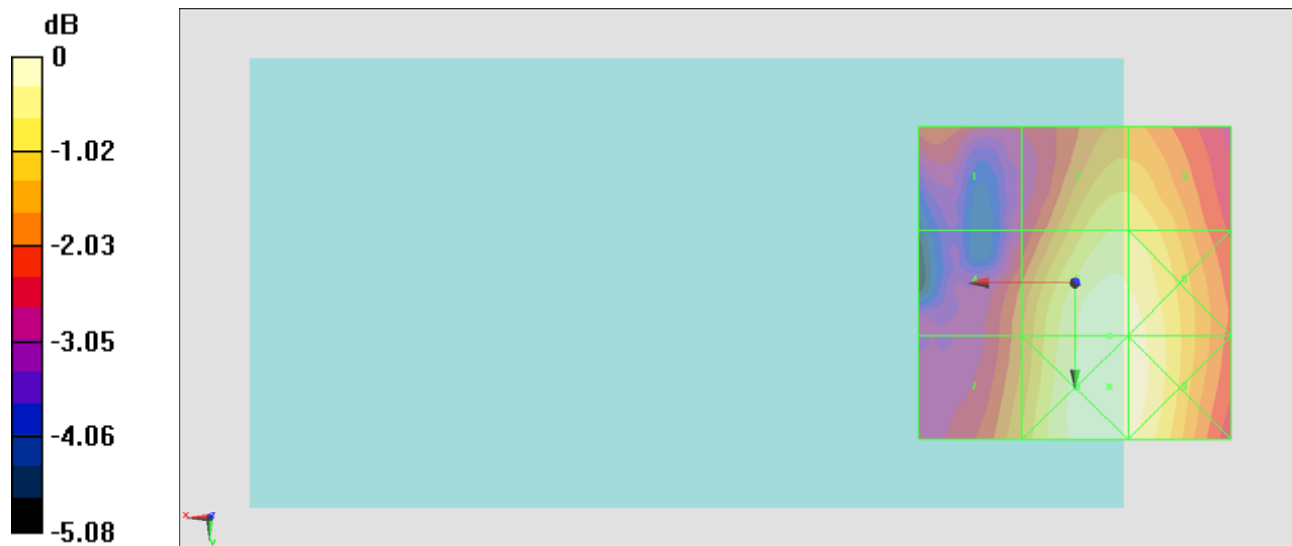
Grid 1 M4 28.48 dBV/m	Grid 2 M4 29.85 dBV/m	Grid 3 M4 29.82 dBV/m
Grid 4 M4 28.78 dBV/m	Grid 5 M3 30.47 dBV/m	Grid 6 M3 30.37 dBV/m
Grid 7 M4 29.2 dBV/m	Grid 8 M3 30.51 dBV/m	Grid 9 M3 30.43 dBV/m

Cursor:

Total = 30.51 dBV/m

E Category: M3

Location: -5.5, 16.5, 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 : 23.6 °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 = 22.78 V/m; Power Drift = 0.13 dB

Applied MIF = 3.63 dB

RF audio interference level = 30.26 dBV/m

Emission category: M3

MIF scaled E-field

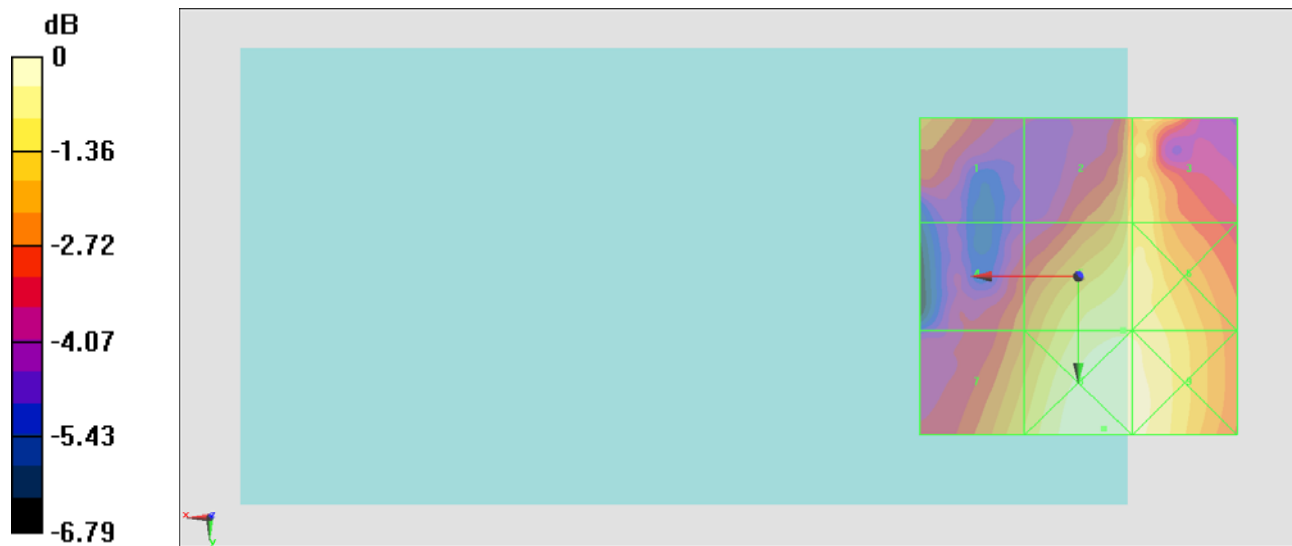
Grid 1 M4 28.67 dBV/m	Grid 2 M4 29.62 dBV/m	Grid 3 M4 29.81 dBV/m
Grid 4 M4 28.43 dBV/m	Grid 5 M3 30.26 dBV/m	Grid 6 M3 30.25 dBV/m
Grid 7 M4 29.48 dBV/m	Grid 8 M3 30.76 dBV/m	Grid 9 M3 30.58 dBV/m

Cursor:

Total = 30.76 dBV/m

E Category: M3

Location: -4, 24, 8.7 mm



0 dB = 34.53 V/m = 30.76 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: 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 = 21.59 V/m; Power Drift = 0.24 dB

Applied MIF = 3.63 dB

RF audio interference level = 29.83 dBV/m

Emission category: M4

MIF scaled E-field

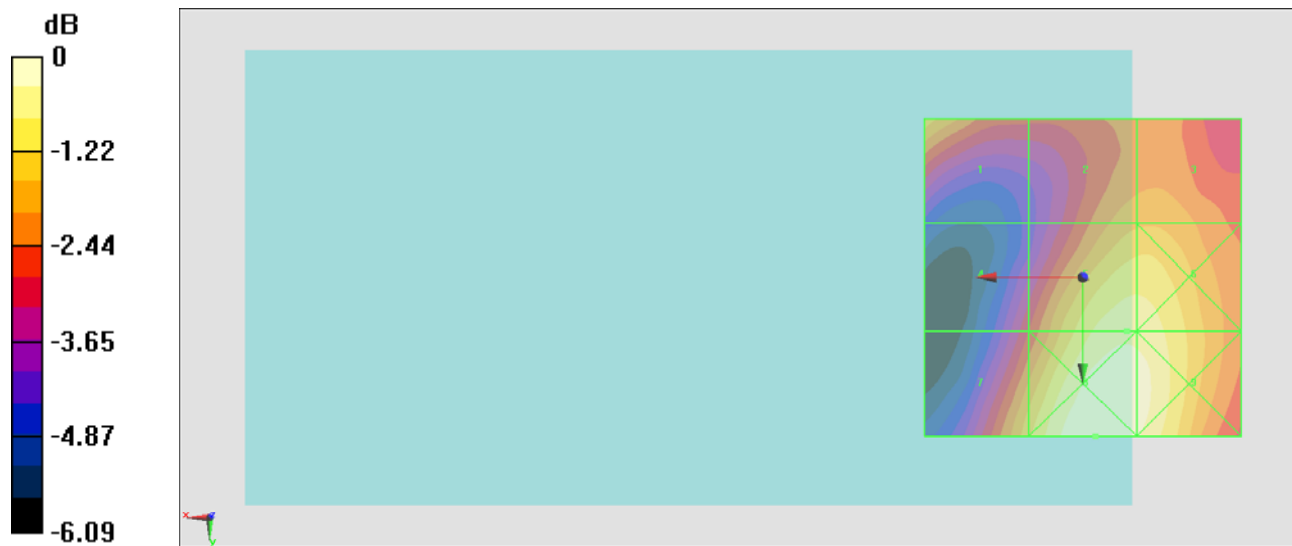
Grid 1 M4 29 dBV/m	Grid 2 M4 28.64 dBV/m	Grid 3 M4 28.68 dBV/m
Grid 4 M4 27.52 dBV/m	Grid 5 M4 29.83 dBV/m	Grid 6 M4 29.81 dBV/m
Grid 7 M4 29.03 dBV/m	Grid 8 M3 30.34 dBV/m	Grid 9 M3 30.13 dBV/m

Cursor:

Total = 30.34 dBV/m

E Category: M3

Location: -2, 25, 8.7 mm



0 dB = 32.87 V/m = 30.34 dBV/m