

#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, $\epsilon_r = 1$; $\rho = 0$ kg/m³

Ambient Temperature : 23.5 °C

DASY5 Configuration:

- Probe: EF3DV3 - SN4062; ConvF(1, 1, 1) @ 824.2 MHz; Calibrated: 2019/12/13
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn778; Calibrated: 2019/5/21
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

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 = 55.24 V/m; Power Drift = -0.04 dB

Applied MIF = 3.63 dB

RF audio interference level = 35.63 dBV/m

Emission category: M4

MIF scaled E-field

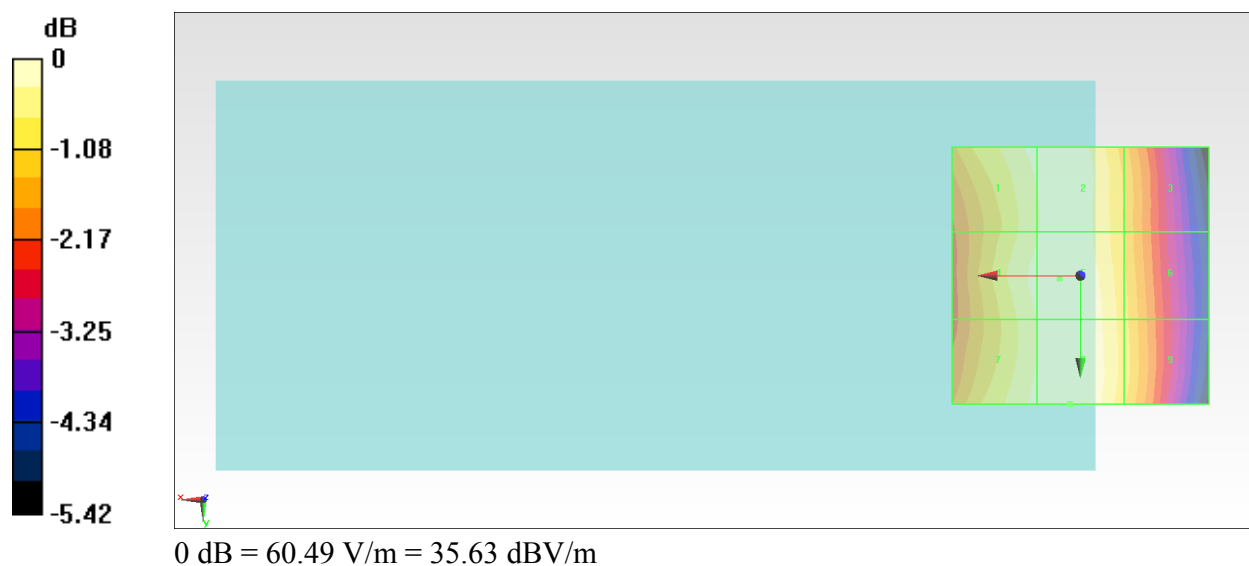
Grid 1 M4 35.41 dBV/m	Grid 2 M4 35.55 dBV/m	Grid 3 M4 34.54 dBV/m
Grid 4 M4 35.41 dBV/m	Grid 5 M4 35.61 dBV/m	Grid 6 M4 34.7 dBV/m
Grid 7 M4 35.4 dBV/m	Grid 8 M4 35.63 dBV/m	Grid 9 M4 34.75 dBV/m

Cursor:

Total = 35.63 dBV/m

E Category: M4

Location: 2, 25, 8.7 mm



#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, $\epsilon_r = 1$; $\rho = 0$ kg/m³

Ambient Temperature : 23.5 °C

DASY5 Configuration:

- Probe: EF3DV3 - SN4062; ConvF(1, 1, 1) @ 836.4 MHz; Calibrated: 2019/12/13
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn778; Calibrated: 2019/5/21
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

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 = 52.80 V/m; Power Drift = -0.03 dB

Applied MIF = 3.63 dB

RF audio interference level = 35.42 dBV/m

Emission category: M4

MIF scaled E-field

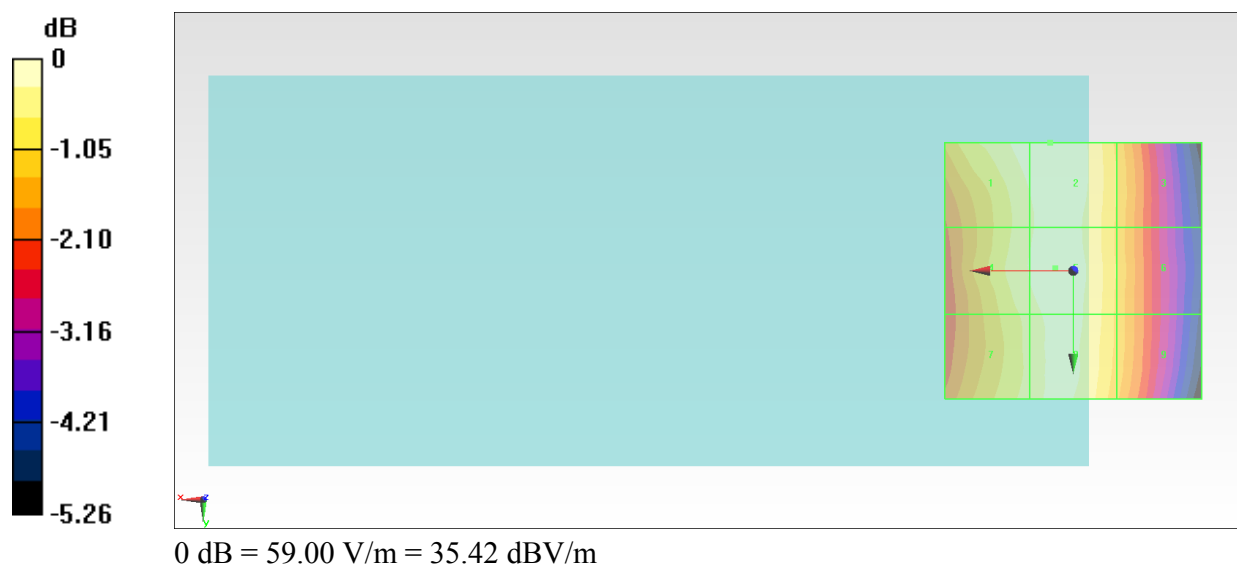
Grid 1 M4 35.31 dBV/m	Grid 2 M4 35.42 dBV/m	Grid 3 M4 34.37 dBV/m
Grid 4 M4 35.09 dBV/m	Grid 5 M4 35.32 dBV/m	Grid 6 M4 34.34 dBV/m
Grid 7 M4 34.89 dBV/m	Grid 8 M4 35.2 dBV/m	Grid 9 M4 34.28 dBV/m

Cursor:

Total = 35.42 dBV/m

E Category: M4

Location: 4.5, -25, 8.7 mm



#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, $\epsilon_r = 1$; $\rho = 0$ kg/m³

Ambient Temperature : 23.5 °C

DASY5 Configuration:

- Probe: EF3DV3 - SN4062; ConvF(1, 1, 1) @ 848.8 MHz; Calibrated: 2019/12/13
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn778; Calibrated: 2019/5/21
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

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 = 51.27 V/m; Power Drift = 0.03 dB

Applied MIF = 3.63 dB

RF audio interference level = 35.14 dBV/m

Emission category: M4

MIF scaled E-field

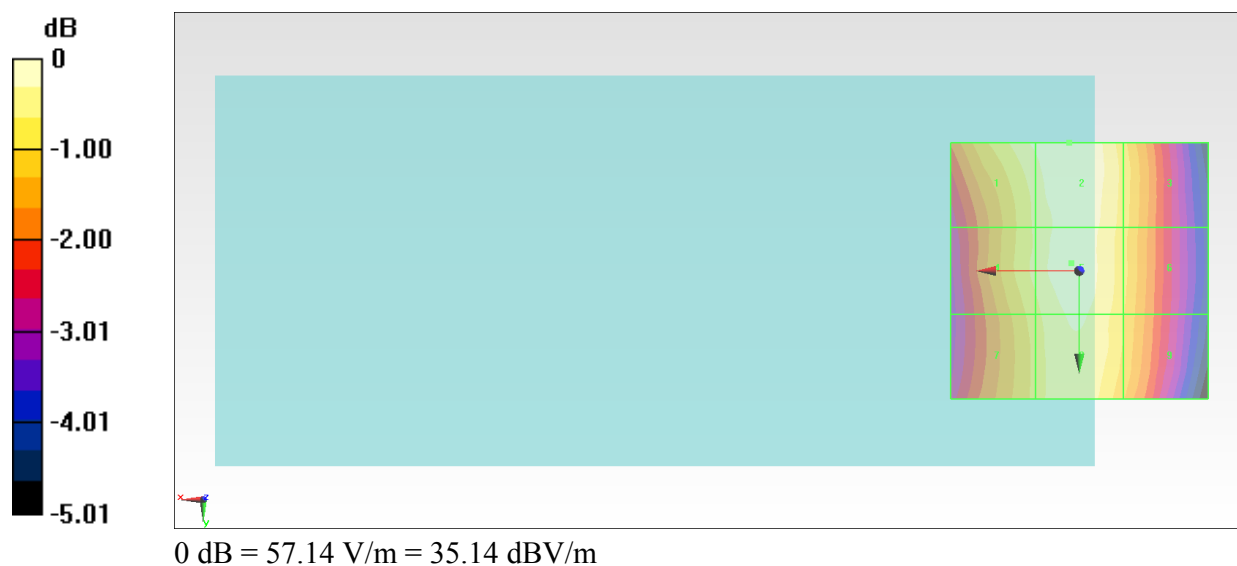
Grid 1 M4 34.89 dBV/m	Grid 2 M4 35.14 dBV/m	Grid 3 M4 34.38 dBV/m
Grid 4 M4 34.59 dBV/m	Grid 5 M4 34.98 dBV/m	Grid 6 M4 34.3 dBV/m
Grid 7 M4 34.35 dBV/m	Grid 8 M4 34.85 dBV/m	Grid 9 M4 34.18 dBV/m

Cursor:

Total = 35.14 dBV/m

E Category: M4

Location: 2, -25, 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, $\epsilon_r = 1$; $\rho = 0$ kg/m³

Ambient Temperature : 23.5 °C

DASY5 Configuration:

- Probe: EF3DV3 - SN4062; ConvF(1, 1, 1) @ 1850.2 MHz; Calibrated: 2019/12/13
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn778; Calibrated: 2019/5/21
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

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 = 22.22 V/m; Power Drift = 0.03 dB

Applied MIF = 3.63 dB

RF audio interference level = 29.05 dBV/m

Emission category: M4

MIF scaled E-field

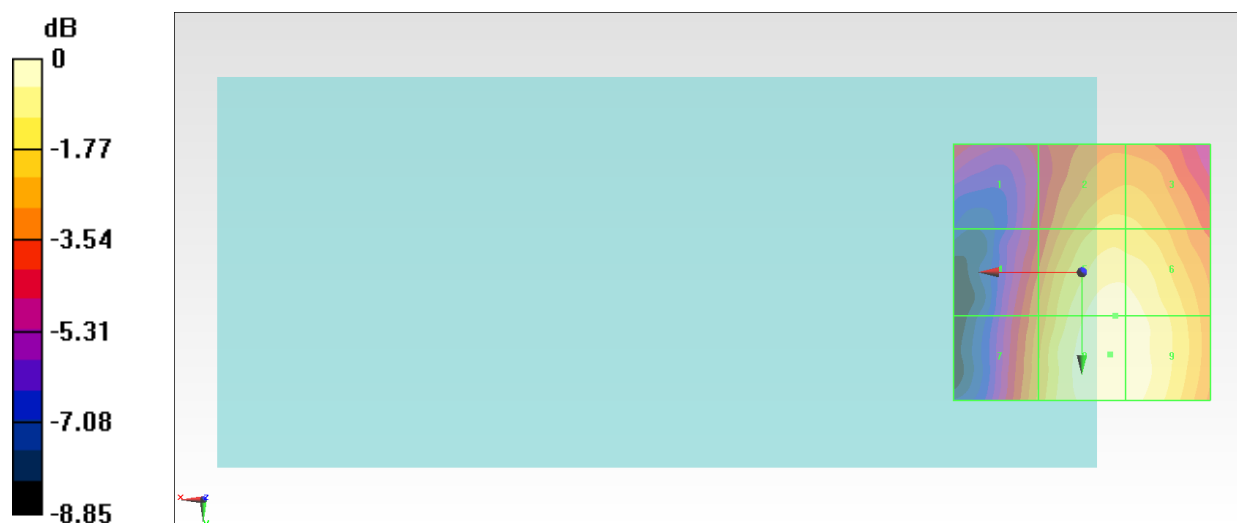
Grid 1 M4 25.04 dBV/m	Grid 2 M4 27.57 dBV/m	Grid 3 M4 27.51 dBV/m
Grid 4 M4 26.18 dBV/m	Grid 5 M4 28.84 dBV/m	Grid 6 M4 28.77 dBV/m
Grid 7 M4 26.84 dBV/m	Grid 8 M4 29.05 dBV/m	Grid 9 M4 28.93 dBV/m

Cursor:

Total = 29.05 dBV/m

E Category: M4

Location: -5.5, 16, 8.7 mm



0 dB = 28.33 V/m = 29.05 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, $\epsilon_r = 1$; $\rho = 0$ kg/m³

Ambient Temperature : 23.5 °C

DASY5 Configuration:

- Probe: EF3DV3 - SN4062; ConvF(1, 1, 1) @ 1880 MHz; Calibrated: 2019/12/13
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn778; Calibrated: 2019/5/21
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

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 = 20.92 V/m; Power Drift = -0.01 dB

Applied MIF = 3.63 dB

RF audio interference level = 29.09 dBV/m

Emission category: M4

MIF scaled E-field

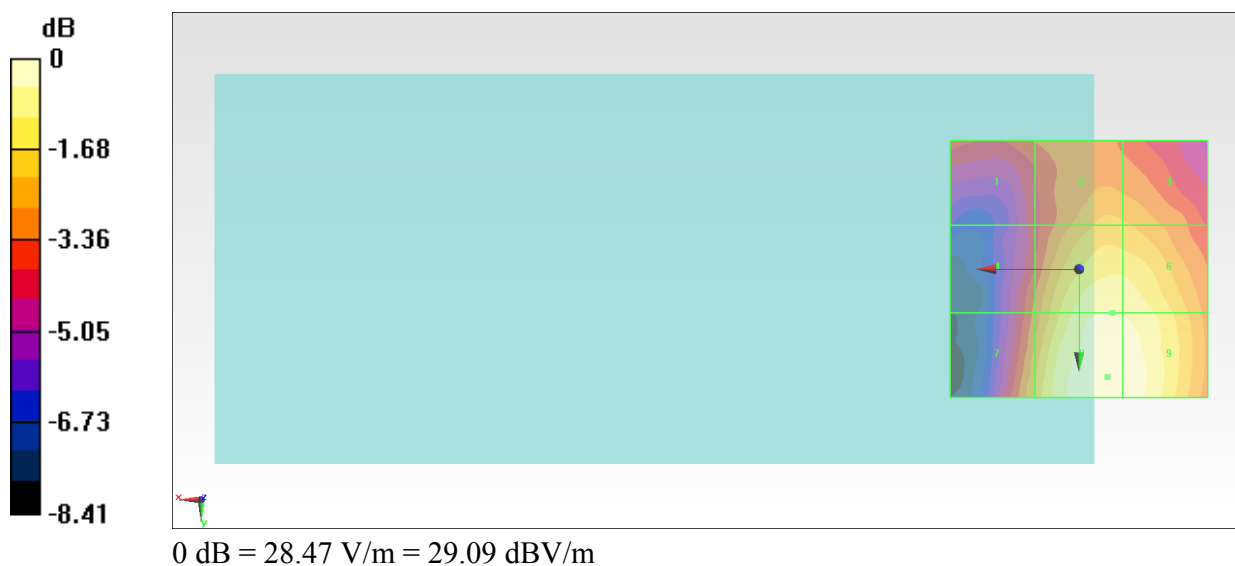
Grid 1 M4 25.78 dBV/m	Grid 2 M4 27.05 dBV/m	Grid 3 M4 26.96 dBV/m
Grid 4 M4 25.98 dBV/m	Grid 5 M4 28.57 dBV/m	Grid 6 M4 28.51 dBV/m
Grid 7 M4 27.04 dBV/m	Grid 8 M4 29.09 dBV/m	Grid 9 M4 28.96 dBV/m

Cursor:

Total = 29.09 dBV/m

E Category: M4

Location: -5.5, 21, 8.7 mm



#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, $\epsilon_r = 1$; $\rho = 0$ kg/m³

Ambient Temperature : 23.5 °C

DASY5 Configuration:

- Probe: EF3DV3 - SN4062; ConvF(1, 1, 1) @ 1909.8 MHz; Calibrated: 2019/12/13
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn778; Calibrated: 2019/5/21
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

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 = 18.61 V/m; Power Drift = -0.01 dB

Applied MIF = 3.63 dB

RF audio interference level = 27.92 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 25.28 dBV/m	Grid 2 M4 26.46 dBV/m	Grid 3 M4 26.34 dBV/m
Grid 4 M4 24.68 dBV/m	Grid 5 M4 27.66 dBV/m	Grid 6 M4 27.6 dBV/m
Grid 7 M4 25.34 dBV/m	Grid 8 M4 27.92 dBV/m	Grid 9 M4 27.86 dBV/m

Cursor:

Total = 27.92 dBV/m

E Category: M4

Location: -6.5, 19.5, 8.7 mm

