

#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 = 76.81 V/m; Power Drift = -0.04 dB

Applied MIF = 3.63 dB

RF audio interference level = 38.18 dBV/m

Emission category: M4

MIF scaled E-field

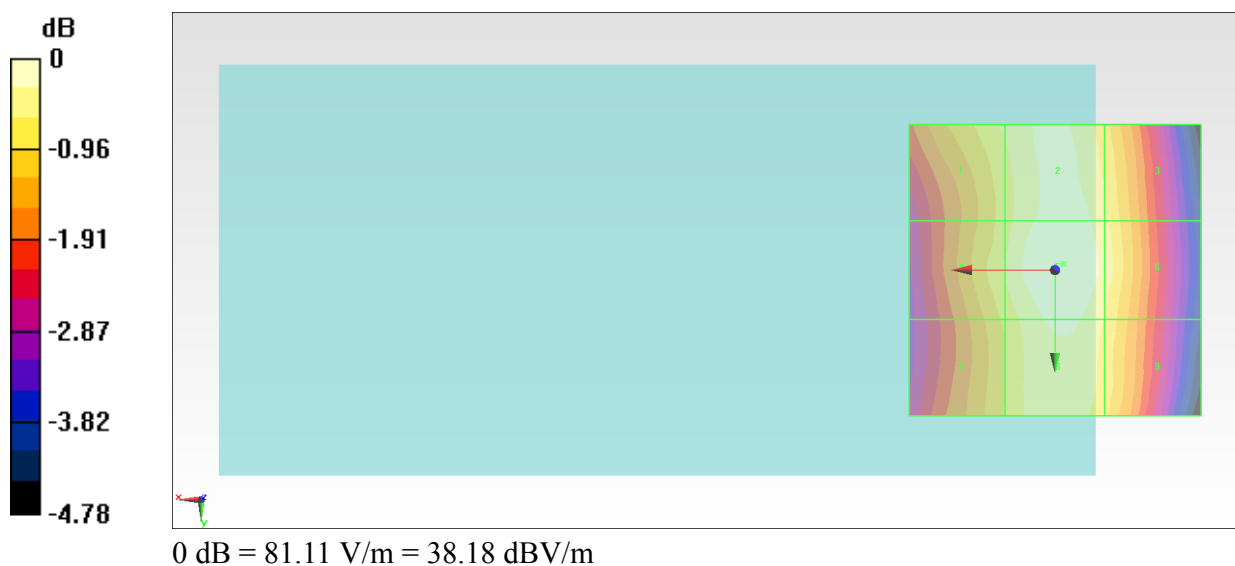
Grid 1 M4 37.62 dBV/m	Grid 2 M4 38.02 dBV/m	Grid 3 M4 37.63 dBV/m
Grid 4 M4 37.59 dBV/m	Grid 5 M4 38.18 dBV/m	Grid 6 M4 37.76 dBV/m
Grid 7 M4 37.31 dBV/m	Grid 8 M4 37.93 dBV/m	Grid 9 M4 37.52 dBV/m

Cursor:

Total = 38.18 dBV/m

E Category: M4

Location: -1.5, -1, 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 = 69.59 V/m; Power Drift = -0.06 dB

Applied MIF = 3.63 dB

RF audio interference level = 37.35 dBV/m

Emission category: M4

MIF scaled E-field

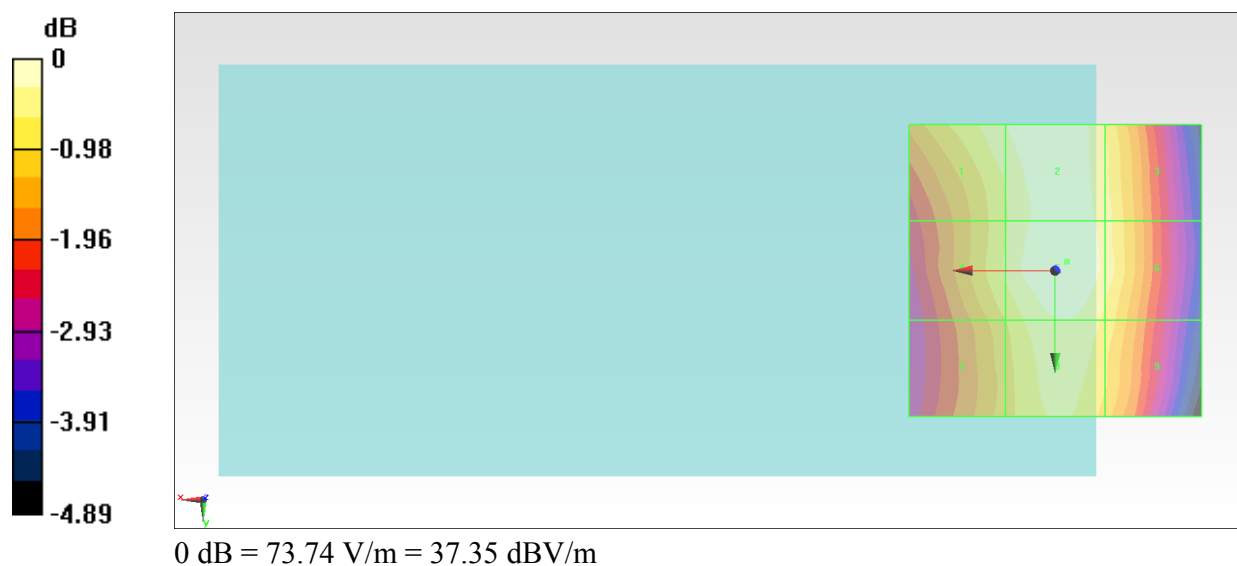
Grid 1 M4 37.01 dBV/m	Grid 2 M4 37.33 dBV/m	Grid 3 M4 36.87 dBV/m
Grid 4 M4 36.76 dBV/m	Grid 5 M4 37.35 dBV/m	Grid 6 M4 36.94 dBV/m
Grid 7 M4 36.38 dBV/m	Grid 8 M4 37.02 dBV/m	Grid 9 M4 36.62 dBV/m

Cursor:

Total = 37.35 dBV/m

E Category: M4

Location: -2, -1.5, 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 = 65.44 V/m; Power Drift = -0.03 dB

Applied MIF = 3.63 dB

RF audio interference level = 36.94 dBV/m

Emission category: M4

MIF scaled E-field

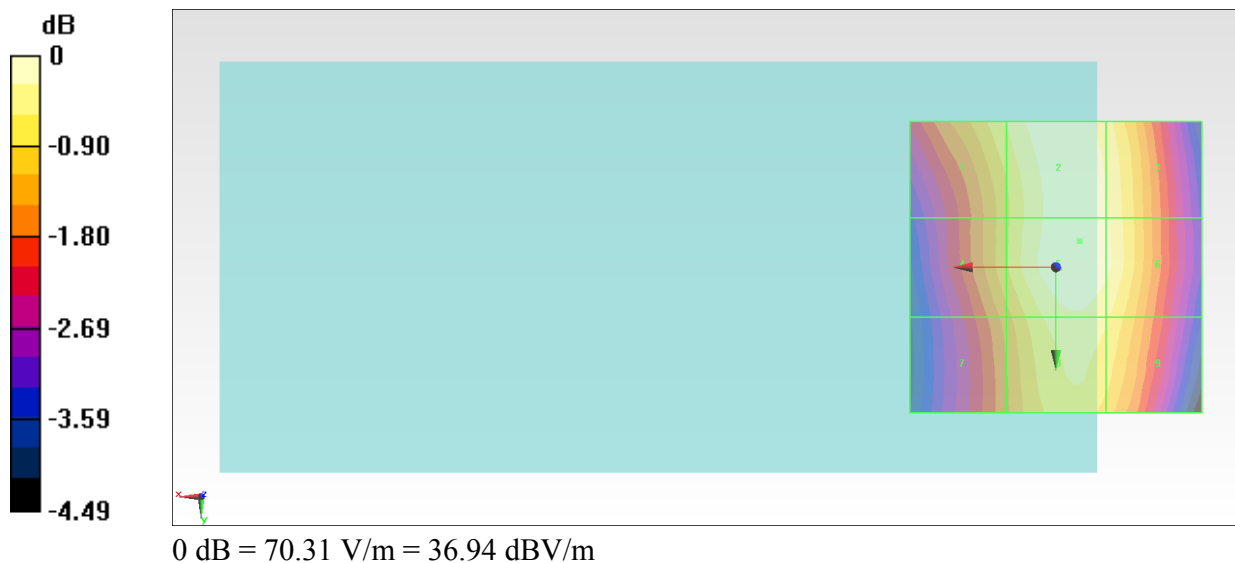
Grid 1 M4 36.37 dBV/m	Grid 2 M4 36.87 dBV/m	Grid 3 M4 36.69 dBV/m
Grid 4 M4 36.02 dBV/m	Grid 5 M4 36.94 dBV/m	Grid 6 M4 36.74 dBV/m
Grid 7 M4 35.62 dBV/m	Grid 8 M4 36.6 dBV/m	Grid 9 M4 36.41 dBV/m

Cursor:

Total = 36.94 dBV/m

E Category: M4

Location: -4, -4.5, 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 = 24.84 V/m; Power Drift = -0.08 dB

Applied MIF = 3.63 dB

RF audio interference level = 30.25 dBV/m

Emission category: M3

MIF scaled E-field

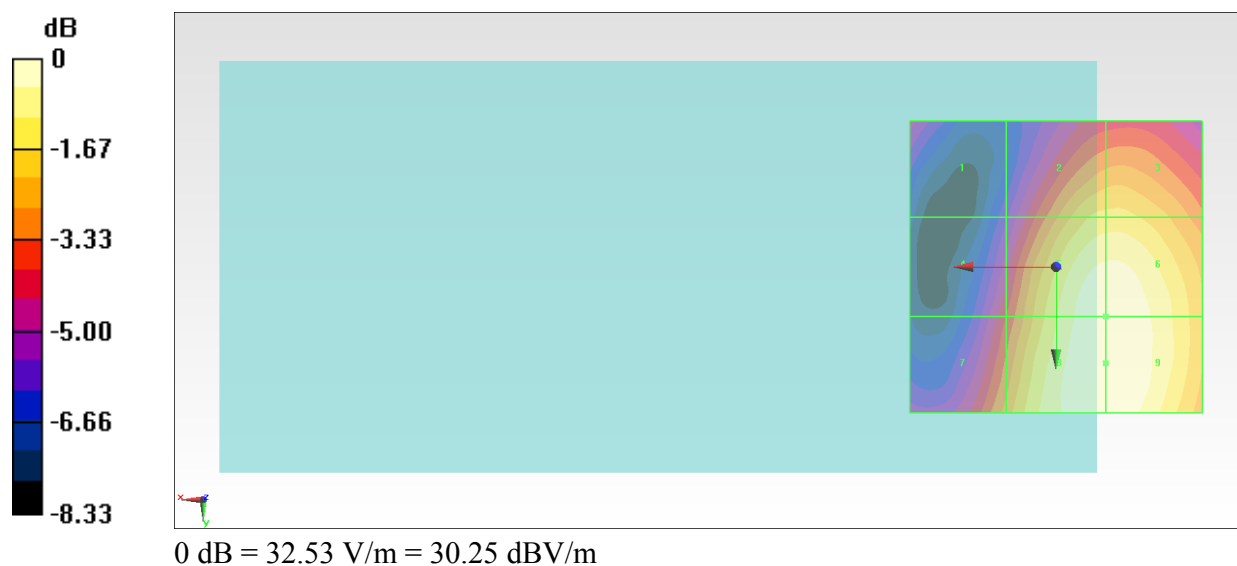
Grid 1 M4 25.53 dBV/m	Grid 2 M4 28.79 dBV/m	Grid 3 M4 28.82 dBV/m
Grid 4 M4 26.41 dBV/m	Grid 5 M3 30.15 dBV/m	Grid 6 M3 30.15 dBV/m
Grid 7 M4 27.72 dBV/m	Grid 8 M3 30.25 dBV/m	Grid 9 M3 30.25 dBV/m

Cursor:

Total = 30.25 dBV/m

E Category: M3

Location: -8.5, 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, $\epsilon_r = 1$; $\rho = 0$ 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 = 26.35 V/m; Power Drift = 0.02 dB

Applied MIF = 3.63 dB

RF audio interference level = 30.73 dBV/m

Emission category: M3

MIF scaled E-field

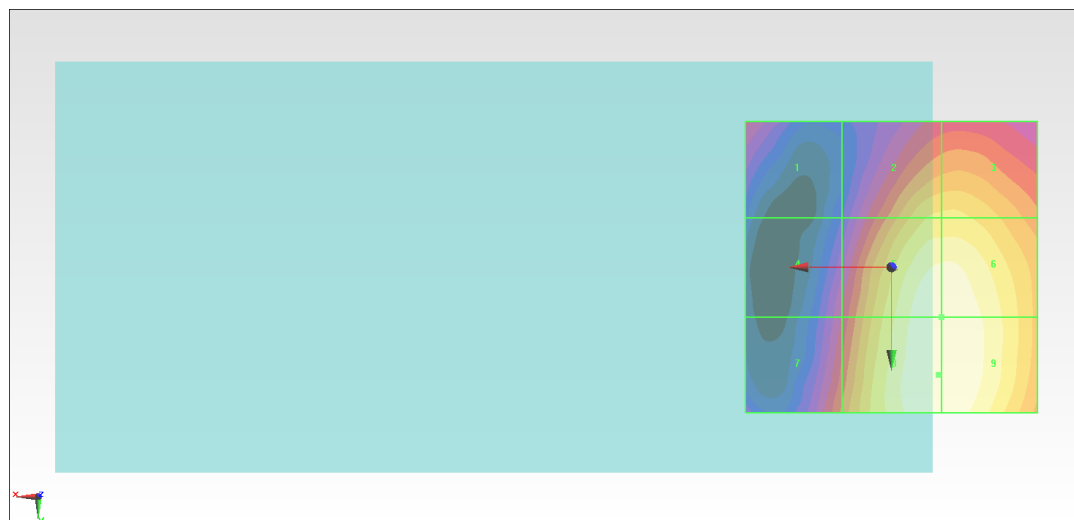
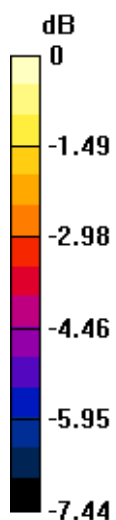
Grid 1 M4 26.98 dBV/m	Grid 2 M4 29.39 dBV/m	Grid 3 M4 29.42 dBV/m
Grid 4 M4 26.84 dBV/m	Grid 5 M3 30.65 dBV/m	Grid 6 M3 30.65 dBV/m
Grid 7 M4 27.88 dBV/m	Grid 8 M3 30.73 dBV/m	Grid 9 M3 30.72 dBV/m

Cursor:

Total = 30.73 dBV/m

E Category: M3

Location: -8, 18.5, 8.7 mm



0 dB = 34.38 V/m = 30.73 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, $\epsilon_r = 1$; $\rho = 0$ 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 = 28.11 V/m; Power Drift = -0.03 dB

Applied MIF = 3.63 dB

RF audio interference level = 31.03 dBV/m

Emission category: M3

MIF scaled E-field

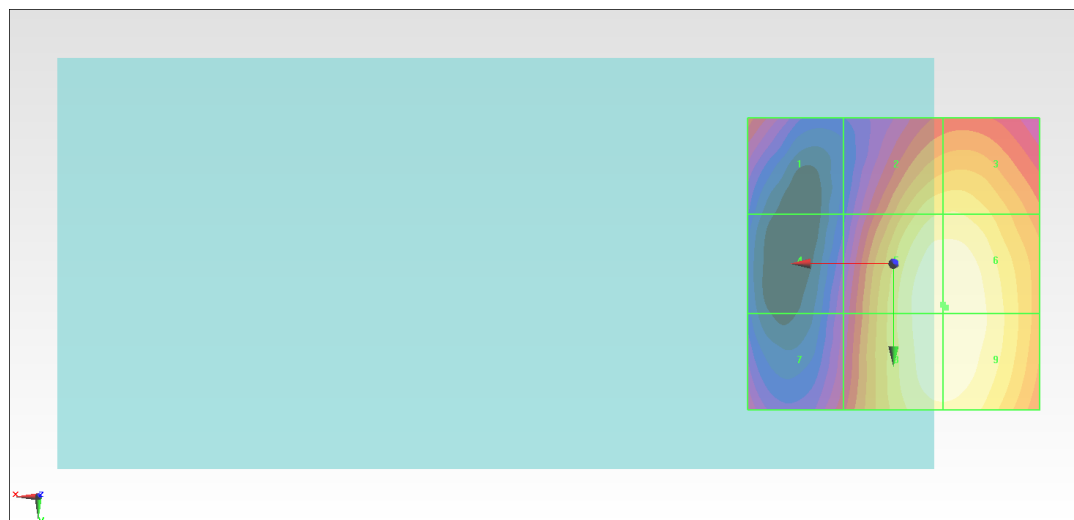
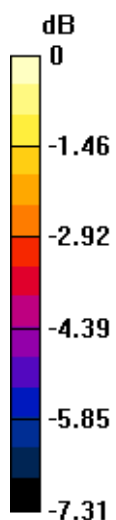
Grid 1 M4 27.96 dBV/m	Grid 2 M3 30.09 dBV/m	Grid 3 M3 30.11 dBV/m
Grid 4 M4 26.74 dBV/m	Grid 5 M3 31.03 dBV/m	Grid 6 M3 31.03 dBV/m
Grid 7 M4 27.53 dBV/m	Grid 8 M3 31.02 dBV/m	Grid 9 M3 31.02 dBV/m

Cursor:

Total = 31.03 dBV/m

E Category: M3

Location: -9, 7.5, 8.7 mm



0 dB = 35.60 V/m = 31.03 dBV/m