

#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 : 23.2 °C

DASY5 Configuration:

- Probe: EF3DV3 - SN4047; ConvF(1, 1, 1) @ 824.2 MHz; Calibrated: 2019/1/30
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn495; 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 = 60.32 V/m; Power Drift = -0.02 dB

Applied MIF = 3.63 dB

RF audio interference level = 36.14 dBV/m

Emission category: M4

MIF scaled E-field

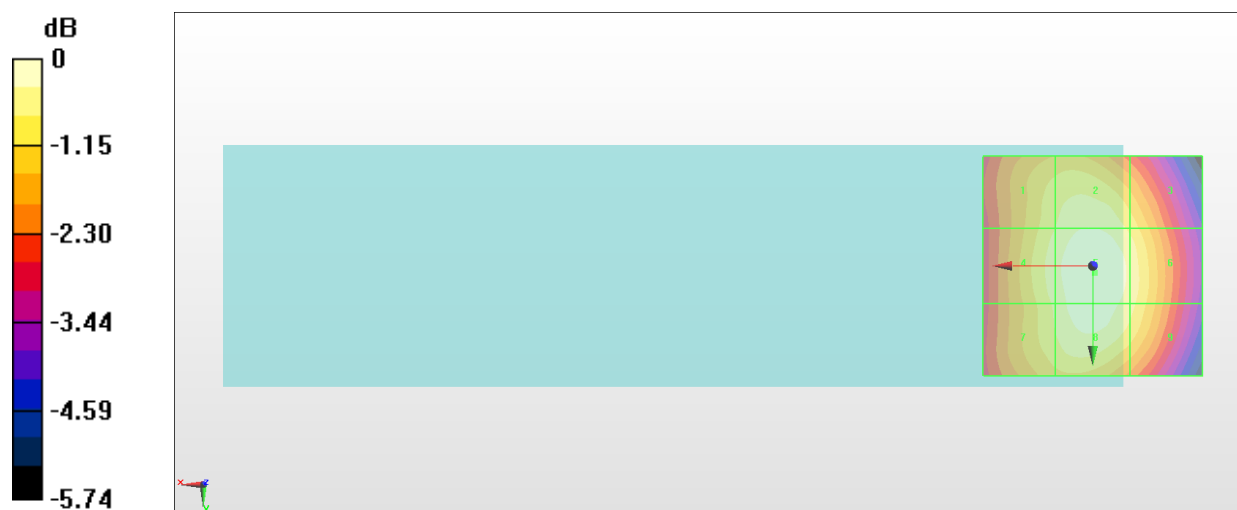
Grid 1 M4 35.39 dBV/m	Grid 2 M4 35.78 dBV/m	Grid 3 M4 35.28 dBV/m
Grid 4 M4 35.64 dBV/m	Grid 5 M4 36.14 dBV/m	Grid 6 M4 35.66 dBV/m
Grid 7 M4 35.49 dBV/m	Grid 8 M4 36 dBV/m	Grid 9 M4 35.53 dBV/m

Cursor:

Total = 36.14 dBV/m

E Category: M4

Location: -0.5, 1.5, 8.7 mm



0 dB = 64.12 V/m = 36.14 dBV/m

#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 : 23.2 °C

DASY5 Configuration:

- Probe: EF3DV3 - SN4047; ConvF(1, 1, 1) @ 836.4 MHz; Calibrated: 2019/1/30
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn495; 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 = 69.70 V/m; Power Drift = 0.03 dB

Applied MIF = 3.63 dB

RF audio interference level = 37.48 dBV/m

Emission category: M4

MIF scaled E-field

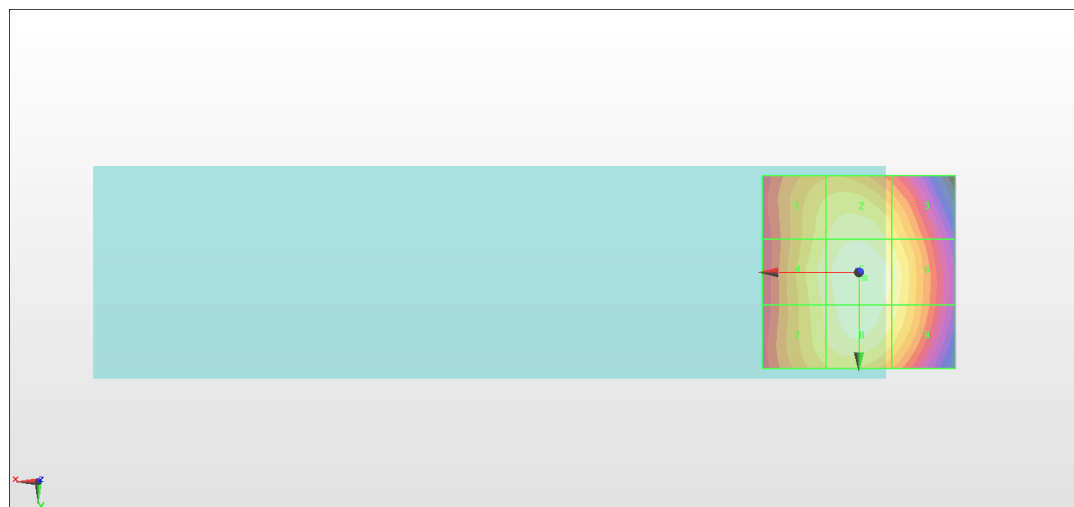
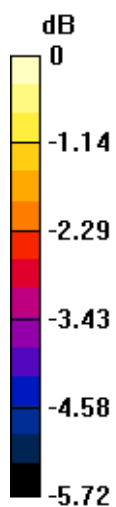
Grid 1 M4 36.7 dBV/m	Grid 2 M4 37.09 dBV/m	Grid 3 M4 36.61 dBV/m
Grid 4 M4 36.99 dBV/m	Grid 5 M4 37.48 dBV/m	Grid 6 M4 37.11 dBV/m
Grid 7 M4 36.85 dBV/m	Grid 8 M4 37.38 dBV/m	Grid 9 M4 36.94 dBV/m

Cursor:

Total = 37.48 dBV/m

E Category: M4

Location: -1.5, 1.5, 8.7 mm



0 dB = 74.83 V/m = 37.48 dBV/m

#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 : 23.2 °C

DASY5 Configuration:

- Probe: EF3DV3 - SN4047; ConvF(1, 1, 1) @ 848.8 MHz; Calibrated: 2019/1/30
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn495; 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 = 79.59 V/m; Power Drift = 0.08 dB

Applied MIF = 3.63 dB

RF audio interference level = 38.72 dBV/m

Emission category: M4

MIF scaled E-field

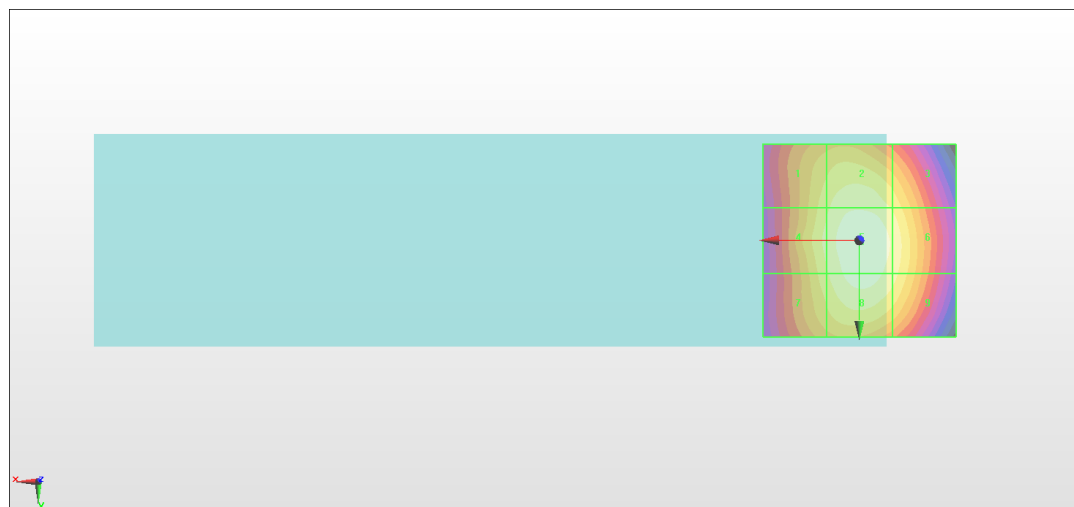
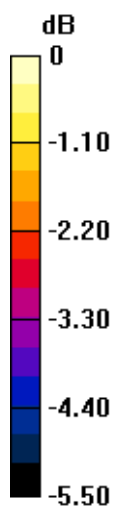
Grid 1 M4 37.9 dBV/m	Grid 2 M4 38.31 dBV/m	Grid 3 M4 37.93 dBV/m
Grid 4 M4 38.12 dBV/m	Grid 5 M4 38.72 dBV/m	Grid 6 M4 38.31 dBV/m
Grid 7 M4 37.94 dBV/m	Grid 8 M4 38.56 dBV/m	Grid 9 M4 38.16 dBV/m

Cursor:

Total = 38.72 dBV/m

E Category: M4

Location: -0.5, 0.5, 8.7 mm



0 dB = 86.29 V/m = 38.72 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, $\epsilon_r = 1$; $\rho = 0$ kg/m³

Ambient Temperature : 23.2 °C

DASY5 Configuration:

- Probe: EF3DV3 - SN4047; ConvF(1, 1, 1) @ 1850.2 MHz; Calibrated: 2019/1/30
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn495; 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 = 15.89 V/m; Power Drift = 0.11 dB

Applied MIF = 3.63 dB

RF audio interference level = 27.35 dBV/m

Emission category: M4

MIF scaled E-field

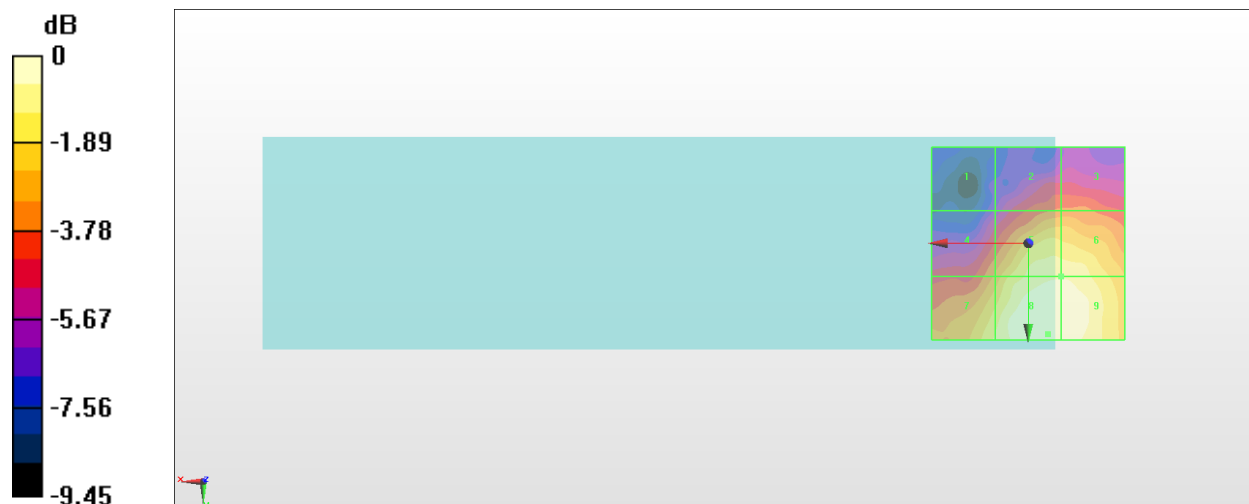
Grid 1 M4 21.19 dBV/m	Grid 2 M4 23.74 dBV/m	Grid 3 M4 23.78 dBV/m
Grid 4 M4 24.38 dBV/m	Grid 5 M4 26.65 dBV/m	Grid 6 M4 26.65 dBV/m
Grid 7 M4 26.2 dBV/m	Grid 8 M4 27.35 dBV/m	Grid 9 M4 27.25 dBV/m

Cursor:

Total = 27.35 dBV/m

E Category: M4

Location: -5, 23.5, 8.7 mm



0 dB = 23.30 V/m = 27.35 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 : 23.2 °C

DASY5 Configuration:

- Probe: EF3DV3 - SN4047; ConvF(1, 1, 1) @ 1880 MHz; Calibrated: 2019/1/30
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn495; 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 = 14.67 V/m; Power Drift = 0.02 dB

Applied MIF = 3.63 dB

RF audio interference level = 25.97 dBV/m

Emission category: M4

MIF scaled E-field

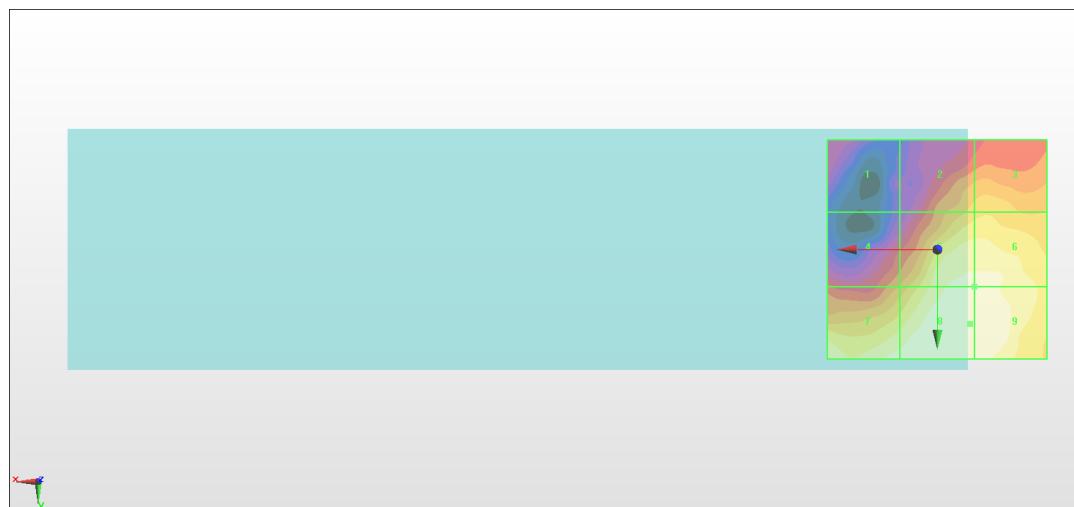
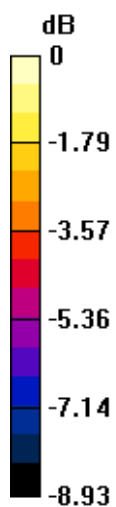
Grid 1 M4 21.25 dBV/m	Grid 2 M4 23.97 dBV/m	Grid 3 M4 24.14 dBV/m
Grid 4 M4 23.13 dBV/m	Grid 5 M4 25.69 dBV/m	Grid 6 M4 25.72 dBV/m
Grid 7 M4 25.65 dBV/m	Grid 8 M4 25.97 dBV/m	Grid 9 M4 25.97 dBV/m

Cursor:

Total = 25.97 dBV/m

E Category: M4

Location: -7.5, 17, 8.7 mm



0 dB = 19.89 V/m = 25.97 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 : 23.2 °C

DASY5 Configuration:

- Probe: EF3DV3 - SN4047; ConvF(1, 1, 1) @ 1909.8 MHz; Calibrated: 2019/1/30
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn495; 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 = 14.47 V/m; Power Drift = 0.04 dB

Applied MIF = 3.63 dB

RF audio interference level = 28.19 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 22.83 dBV/m	Grid 2 M4 23.64 dBV/m	Grid 3 M4 23.72 dBV/m
Grid 4 M4 24.44 dBV/m	Grid 5 M4 26.78 dBV/m	Grid 6 M4 26.78 dBV/m
Grid 7 M4 27.51 dBV/m	Grid 8 M4 28.19 dBV/m	Grid 9 M4 28.03 dBV/m

Cursor:

Total = 28.19 dBV/m

E Category: M4

Location: -4, 25, 8.7 mm

