

#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: DAE4 Sn854; 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 = 57.33 V/m; Power Drift = -0.06 dB

Applied MIF = 3.63 dB

RF audio interference level = 36.56 dBV/m

Emission category: M4

MIF scaled E-field

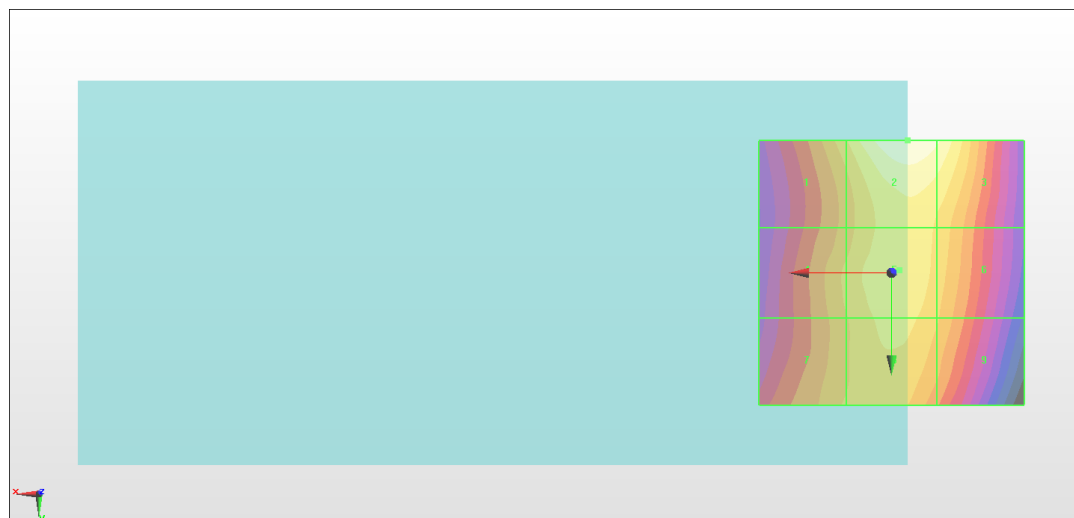
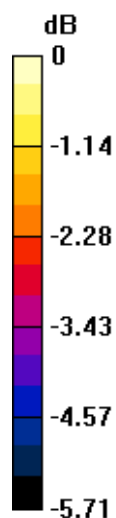
Grid 1 M4 35.39 dBV/m	Grid 2 M4 36.55 dBV/m	Grid 3 M4 36.26 dBV/m
Grid 4 M4 35.14 dBV/m	Grid 5 M4 35.72 dBV/m	Grid 6 M4 35.36 dBV/m
Grid 7 M4 35.1 dBV/m	Grid 8 M4 35.56 dBV/m	Grid 9 M4 35.09 dBV/m

Cursor:

Total = 36.55 dBV/m

E Category: M4

Location: -3, -25, 8.7 mm



0 dB = 67.26 V/m = 36.56 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: DAE4 Sn854; 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 = 51.58 V/m; Power Drift = 0.01 dB

Applied MIF = 3.63 dB

RF audio interference level = 35.84 dBV/m

Emission category: M4

MIF scaled E-field

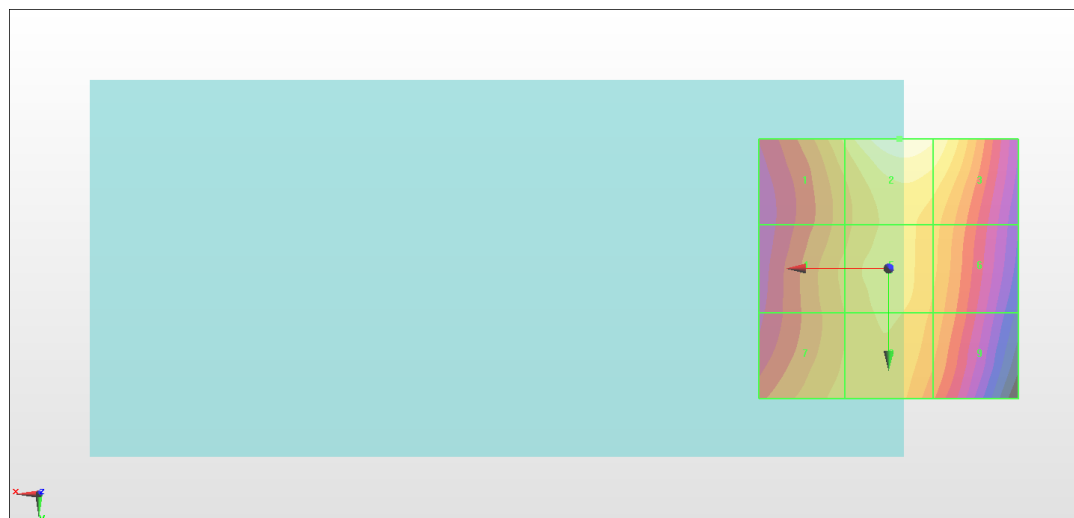
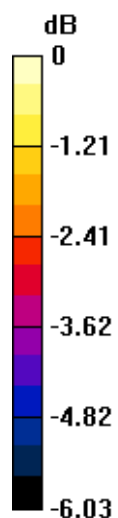
Grid 1 M4 34.73 dBV/m	Grid 2 M4 35.84 dBV/m	Grid 3 M4 35.5 dBV/m
Grid 4 M4 34.36 dBV/m	Grid 5 M4 34.83 dBV/m	Grid 6 M4 34.4 dBV/m
Grid 7 M4 34.43 dBV/m	Grid 8 M4 34.69 dBV/m	Grid 9 M4 34.15 dBV/m

Cursor:

Total = 35.84 dBV/m

E Category: M4

Location: -2, -25, 8.7 mm



0 dB = 61.94 V/m = 35.84 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: DAE4 Sn854; 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 = 55.51 V/m; Power Drift = 0.01 dB

Applied MIF = 3.63 dB

RF audio interference level = 35.36 dBV/m

Emission category: M4

MIF scaled E-field

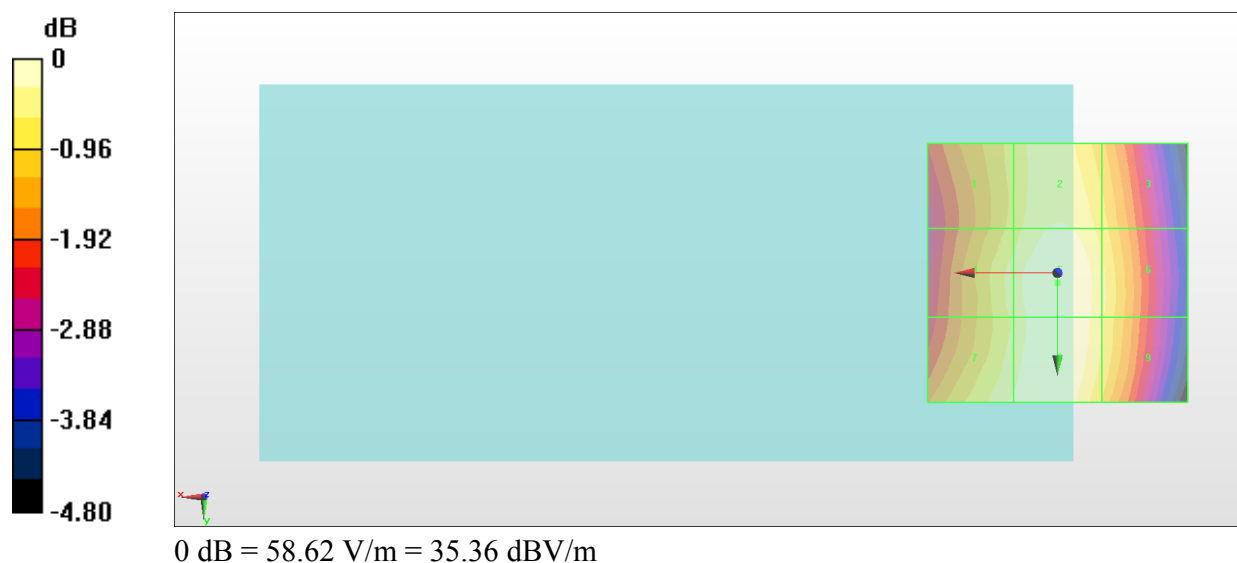
Grid 1 M4 34.57 dBV/m	Grid 2 M4 35.08 dBV/m	Grid 3 M4 34.58 dBV/m
Grid 4 M4 34.89 dBV/m	Grid 5 M4 35.36 dBV/m	Grid 6 M4 34.84 dBV/m
Grid 7 M4 35.1 dBV/m	Grid 8 M4 35.32 dBV/m	Grid 9 M4 34.78 dBV/m

Cursor:

Total = 35.36 dBV/m

E Category: M4

Location: 0, 2, 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 : 23.2 °C

DASY5 Configuration:

- Probe: EF3DV3 - SN4047; ConvF(1, 1, 1) @ 1850.2 MHz; Calibrated: 2019/1/30
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn854; 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 = 11.96 V/m; Power Drift = 0.03 dB

Applied MIF = 3.63 dB

RF audio interference level = 28.75 dBV/m

Emission category: M4

MIF scaled E-field

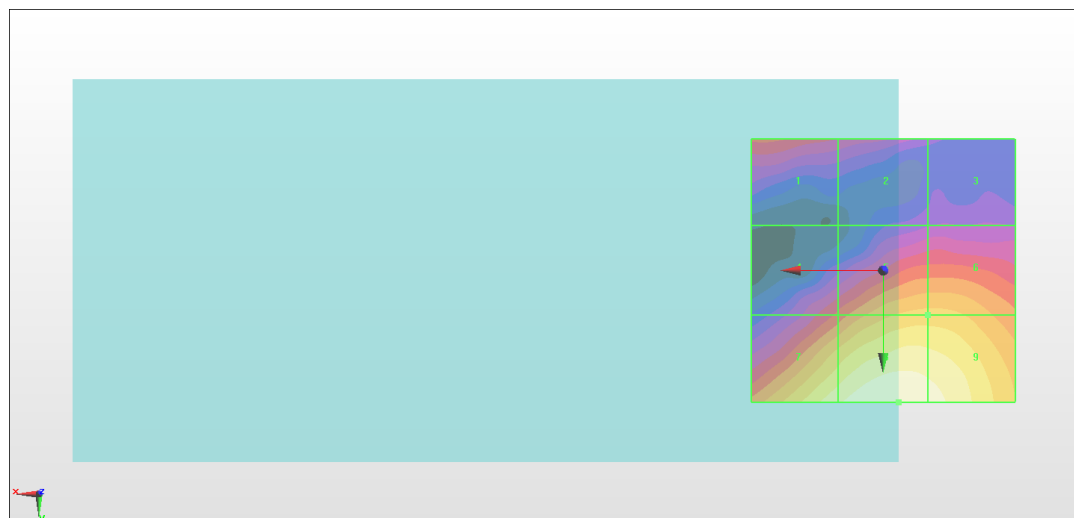
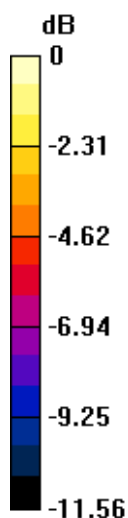
Grid 1 M4 23.6 dBV/m	Grid 2 M4 22.59 dBV/m	Grid 3 M4 21.19 dBV/m
Grid 4 M4 23.67 dBV/m	Grid 5 M4 25.99 dBV/m	Grid 6 M4 25.99 dBV/m
Grid 7 M4 27.86 dBV/m	Grid 8 M4 28.75 dBV/m	Grid 9 M4 28.38 dBV/m

Cursor:

Total = 28.75 dBV/m

E Category: M4

Location: -3, 25, 8.7 mm



0 dB = 27.38 V/m = 28.75 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: DAE4 Sn854; 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 = 11.54 V/m; Power Drift = 0.14 dB

Applied MIF = 3.63 dB

RF audio interference level = 28.88 dBV/m

Emission category: M4

MIF scaled E-field

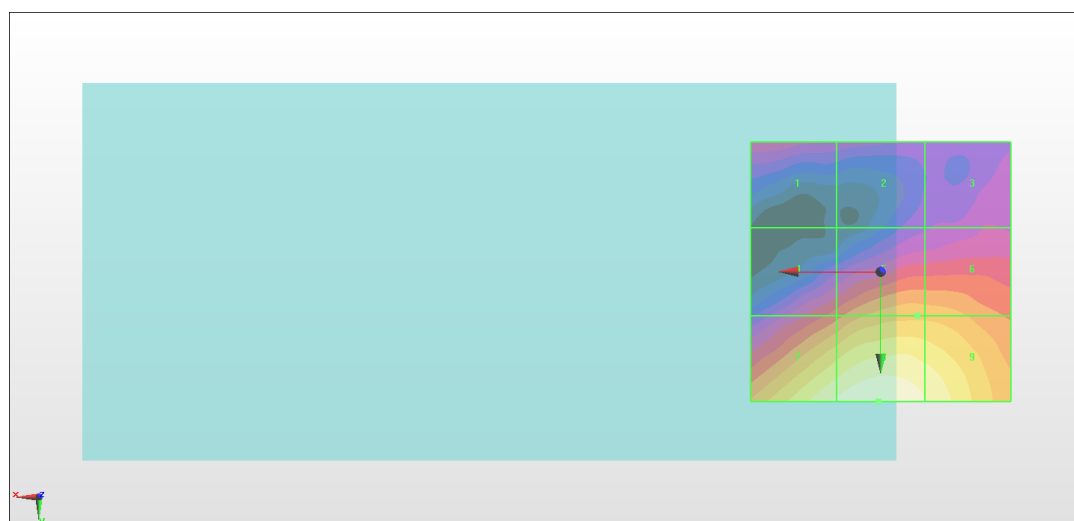
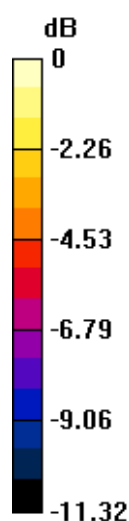
Grid 1 M4 22.87 dBV/m	Grid 2 M4 22.04 dBV/m	Grid 3 M4 22.16 dBV/m
Grid 4 M4 24.09 dBV/m	Grid 5 M4 25.69 dBV/m	Grid 6 M4 25.67 dBV/m
Grid 7 M4 28.28 dBV/m	Grid 8 M4 28.88 dBV/m	Grid 9 M4 28.19 dBV/m

Cursor:

Total = 28.88 dBV/m

E Category: M4

Location: 0.5, 25, 8.7 mm



0 dB = 27.79 V/m = 28.88 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: DAE4 Sn854; 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 = 12.39 V/m; Power Drift = -0.05 dB

Applied MIF = 3.63 dB

RF audio interference level = 27.62 dBV/m

Emission category: M4

MIF scaled E-field

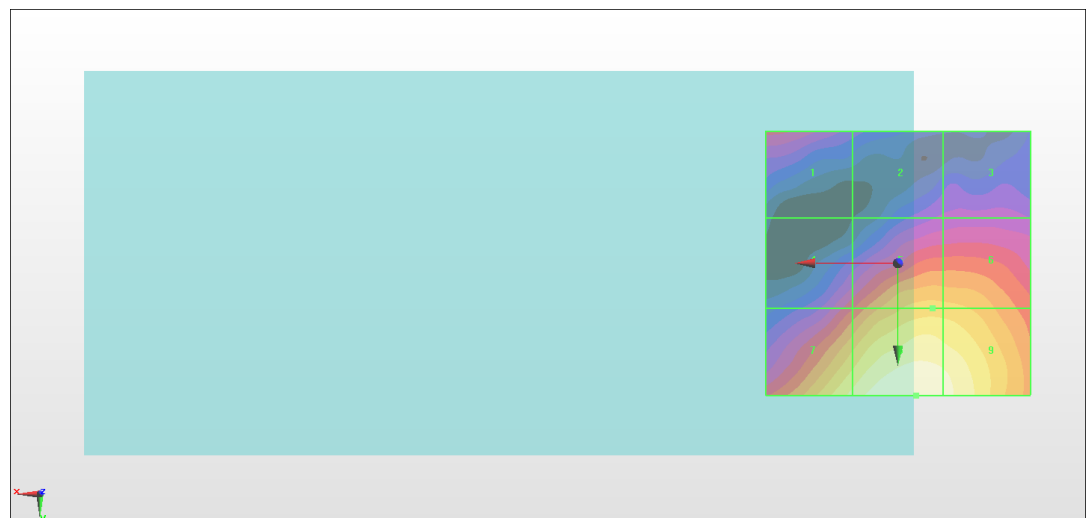
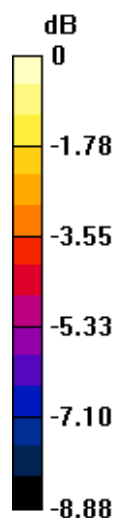
Grid 1 M4 23.13 dBV/m	Grid 2 M4 21.89 dBV/m	Grid 3 M4 22.04 dBV/m
Grid 4 M4 23.45 dBV/m	Grid 5 M4 25.54 dBV/m	Grid 6 M4 25.51 dBV/m
Grid 7 M4 26.66 dBV/m	Grid 8 M4 27.62 dBV/m	Grid 9 M4 27.28 dBV/m

Cursor:

Total = 27.62 dBV/m

E Category: M4

Location: -3.5, 25, 8.7 mm



0 dB = 24.03 V/m = 27.62 dBV/m