

1 HAC RF GSM850_Voice_Ch128_E

Communication System: UID 10021 - DAB, GSM-FDD (TDMA, GMSK); Frequency: 824.2 MHz; Duty Cycle: 1:8.3

Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³

Ambient Temperature : 23.5 °C

DASY5 Configuration:

- Probe: ER3DV6 - SN2528; ConvF(1, 1, 1); Calibrated: 2017.1.25;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1326; Calibrated: 2017.9.15
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch128/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 = 38.26 V/m; Power Drift = -0.01 dB

Applied MIF = 3.63 dB

RF audio interference level = 33.24 dBV/m

Emission category: M4

MIF scaled E-field

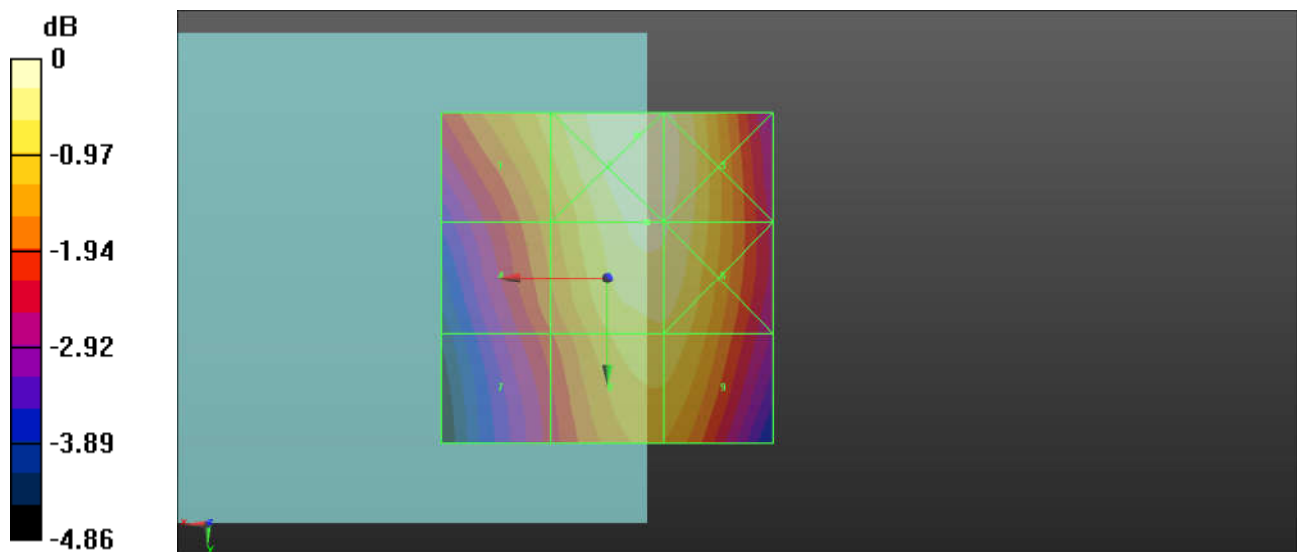
Grid 1 M4 32.71 dBV/m	Grid 2 M4 33.47 dBV/m	Grid 3 M4 33.36 dBV/m
Grid 4 M4 32.06 dBV/m	Grid 5 M4 33.24 dBV/m	Grid 6 M4 33.2 dBV/m
Grid 7 M4 31.49 dBV/m	Grid 8 M4 32.77 dBV/m	Grid 9 M4 32.76 dBV/m

Cursor:

Total = 33.47 dBV/m

E Category: M4

Location: -4.5, -21.5, 9.7 mm



0 dB = 47.13 V/m = 33.47 dBV/m

2 HAC RF GSM850_Voice_Ch189_E

Communication System: UID 10021 - DAB, GSM-FDD (TDMA, GMSK); Frequency: 836.4 MHz; Duty Cycle: 1:8.3

Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³

Ambient Temperature : 23.5 °C

DASY5 Configuration:

- Probe: ER3DV6 - SN2528; ConvF(1, 1, 1); Calibrated: 2017.1.25;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1326; Calibrated: 2017.9.15
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch189/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 = 36.40 V/m; Power Drift = -0.04 dB

Applied MIF = 3.63 dB

RF audio interference level = 32.89 dBV/m

Emission category: M4

MIF scaled E-field

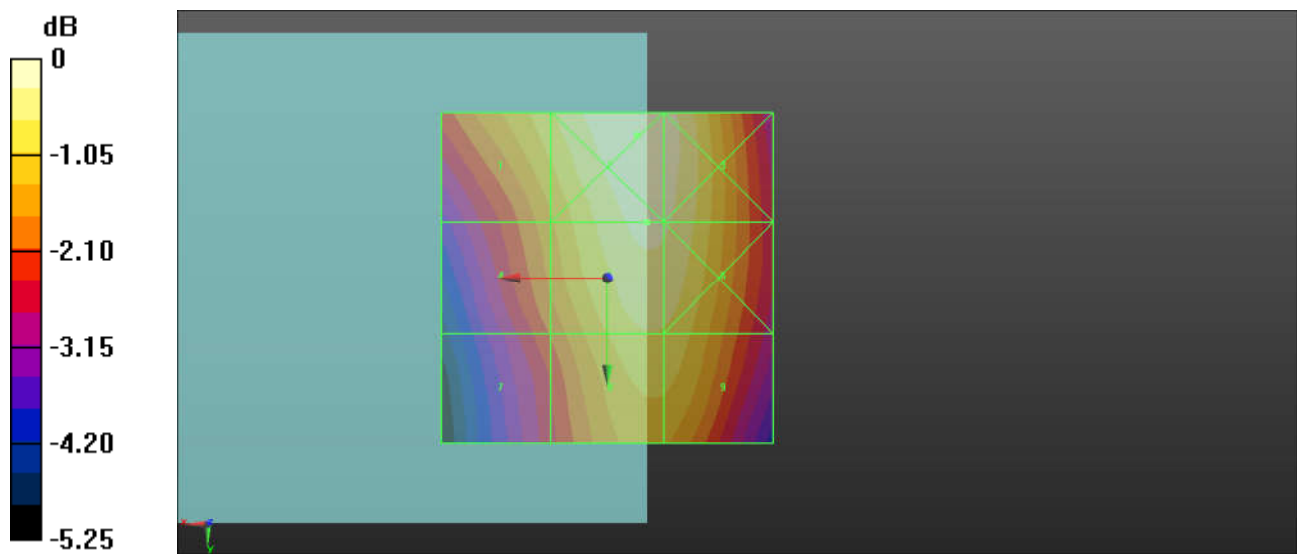
Grid 1 M4 32.39 dBV/m	Grid 2 M4 33.14 dBV/m	Grid 3 M4 33.02 dBV/m
Grid 4 M4 31.7 dBV/m	Grid 5 M4 32.89 dBV/m	Grid 6 M4 32.85 dBV/m
Grid 7 M4 31.1 dBV/m	Grid 8 M4 32.43 dBV/m	Grid 9 M4 32.4 dBV/m

Cursor:

Total = 33.14 dBV/m

E Category: M4

Location: -4.5, -21.5, 9.7 mm



0 dB = 45.40 V/m = 33.14 dBV/m

3 HAC RF GSM850_Voice_Ch251_E

Communication System: UID 10021 - DAB, GSM-FDD (TDMA, GMSK); Frequency: 848.8 MHz; Duty Cycle: 1:8.3

Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³

Ambient Temperature : 23.5 °C

DASY5 Configuration:

- Probe: ER3DV6 - SN2528; ConvF(1, 1, 1); Calibrated: 2017.1.25;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1326; Calibrated: 2017.9.15
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch251/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 = 36.27 V/m; Power Drift = -0.07 dB

Applied MIF = 3.63 dB

RF audio interference level = 32.83 dBV/m

Emission category: M4

MIF scaled E-field

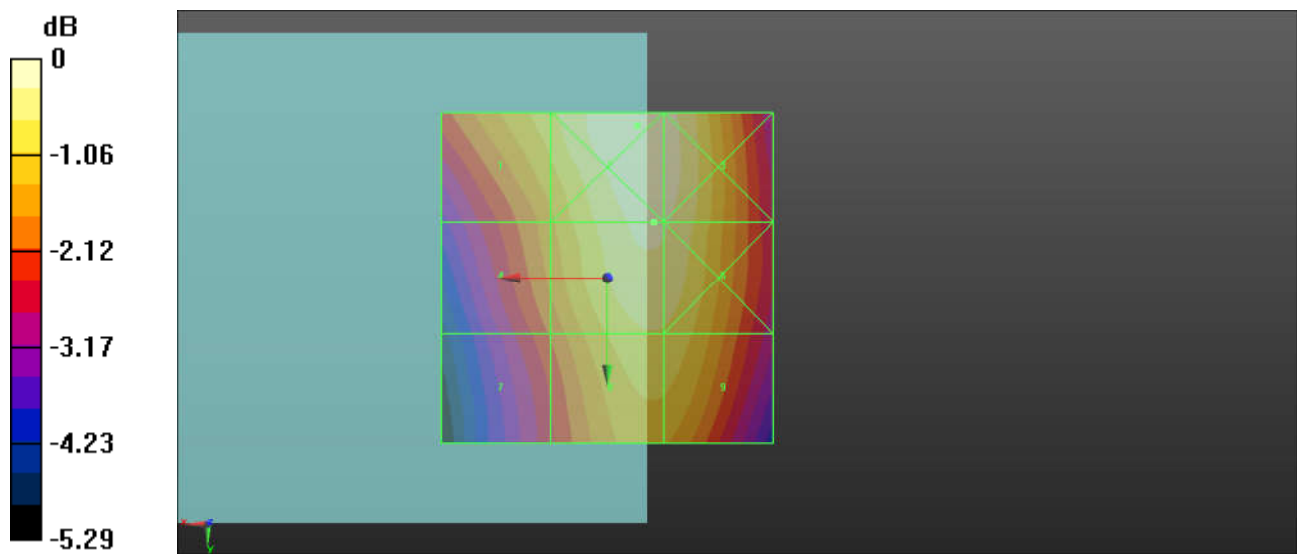
Grid 1 M4 32.34 dBV/m	Grid 2 M4 33.11 dBV/m	Grid 3 M4 32.99 dBV/m
Grid 4 M4 31.63 dBV/m	Grid 5 M4 32.83 dBV/m	Grid 6 M4 32.81 dBV/m
Grid 7 M4 31.06 dBV/m	Grid 8 M4 32.39 dBV/m	Grid 9 M4 32.37 dBV/m

Cursor:

Total = 33.11 dBV/m

E Category: M4

Location: -4.5, -23, 9.7 mm



0 dB = 45.25 V/m = 33.11 dBV/m

4 HAC RF GSM1900_Voice_Ch512_E

Communication System: UID 10021 - DAB, GSM-FDD (TDMA, GMSK); Frequency: 1850.2 MHz; Duty Cycle: 1:8.3

Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³

Ambient Temperature : 23.5 °C

DASY5 Configuration:

- Probe: ER3DV6 - SN2528; ConvF(1, 1, 1); Calibrated: 2017.1.25;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1326; Calibrated: 2017.9.15
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch512/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 = 8.678 V/m; Power Drift = 0.00 dB

Applied MIF = 3.63 dB

RF audio interference level = 23.75 dBV/m

Emission category: M4

MIF scaled E-field

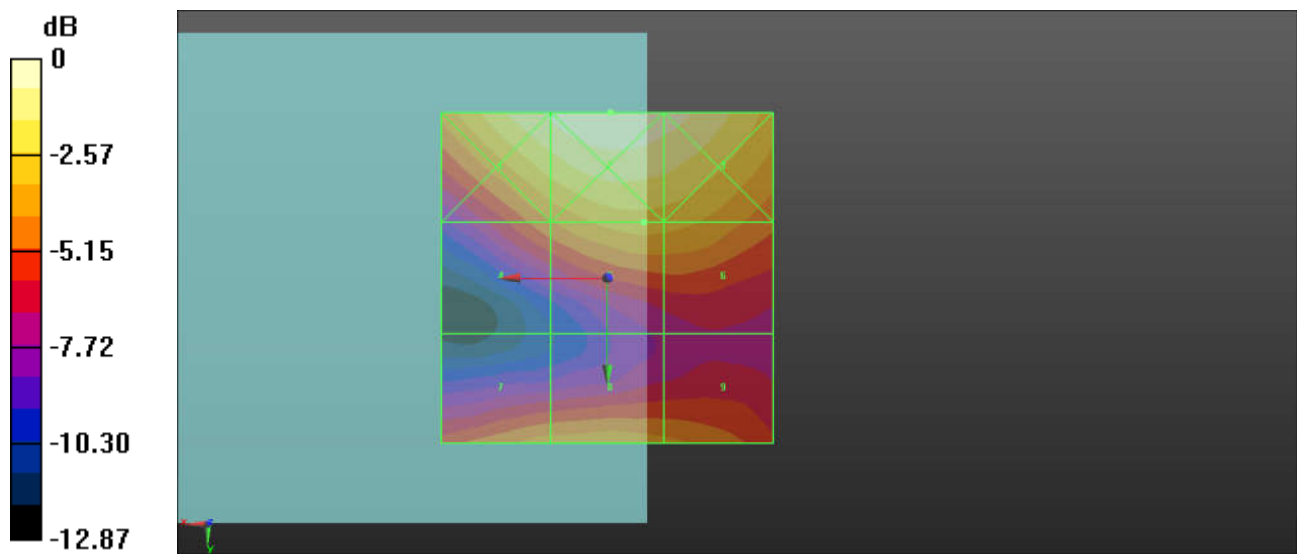
Grid 1 M4 26.08 dBV/m	Grid 2 M4 26.73 dBV/m	Grid 3 M4 26.34 dBV/m
Grid 4 M4 22.4 dBV/m	Grid 5 M4 23.75 dBV/m	Grid 6 M4 23.66 dBV/m
Grid 7 M4 22.98 dBV/m	Grid 8 M4 23.19 dBV/m	Grid 9 M4 22.81 dBV/m

Cursor:

Total = 26.73 dBV/m

E Category: M4

Location: -0.5, -25, 9.7 mm



5 HAC RF GSM1900_Voice_Ch661_E

Communication System: UID 10021 - DAB, GSM-FDD (TDMA, GMSK); Frequency: 1880 MHz; Duty Cycle: 1:8.3

Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³

Ambient Temperature : 23.5 °C

DASY5 Configuration:

- Probe: ER3DV6 - SN2528; ConvF(1, 1, 1); Calibrated: 2017.1.25;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1326; Calibrated: 2017.9.15
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch661/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 = 7.089 V/m; Power Drift = -0.21 dB

Applied MIF = 3.63 dB

RF audio interference level = 21.98 dBV/m

Emission category: M4

MIF scaled E-field

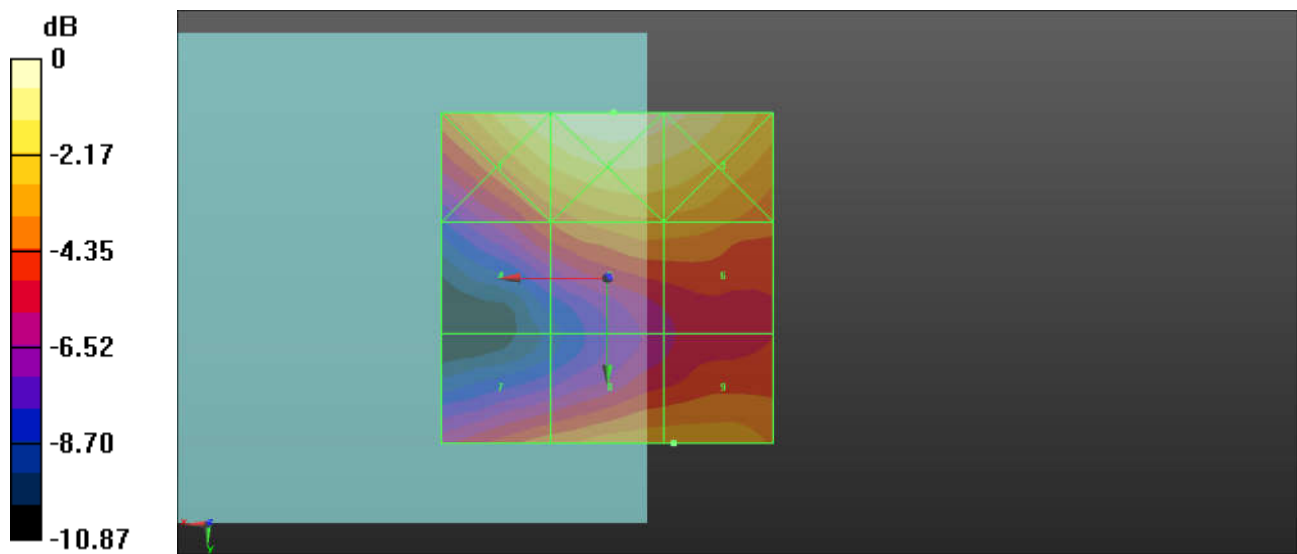
Grid 1 M4 24.28 dBV/m	Grid 2 M4 24.93 dBV/m	Grid 3 M4 24.57 dBV/m
Grid 4 M4 20.64 dBV/m	Grid 5 M4 21.9 dBV/m	Grid 6 M4 21.85 dBV/m
Grid 7 M4 21.21 dBV/m	Grid 8 M4 21.97 dBV/m	Grid 9 M4 21.98 dBV/m

Cursor:

Total = 24.93 dBV/m

E Category: M4

Location: -1, -25, 9.7 mm



6 HAC RF GSM1900_Voice_Ch810_E

Communication System: UID 10021 - DAB, GSM-FDD (TDMA, GMSK); Frequency: 1909.8 MHz; Duty Cycle: 1:8.3

Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³

Ambient Temperature : 23.5 °C

DASY5 Configuration:

- Probe: ER3DV6 - SN2528; ConvF(1, 1, 1); Calibrated: 2017.1.25;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1326; Calibrated: 2017.9.15
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch810/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 = 4.889 V/m; Power Drift = -0.13 dB

Applied MIF = 3.63 dB

RF audio interference level = 21.40 dBV/m

Emission category: M4

MIF scaled E-field

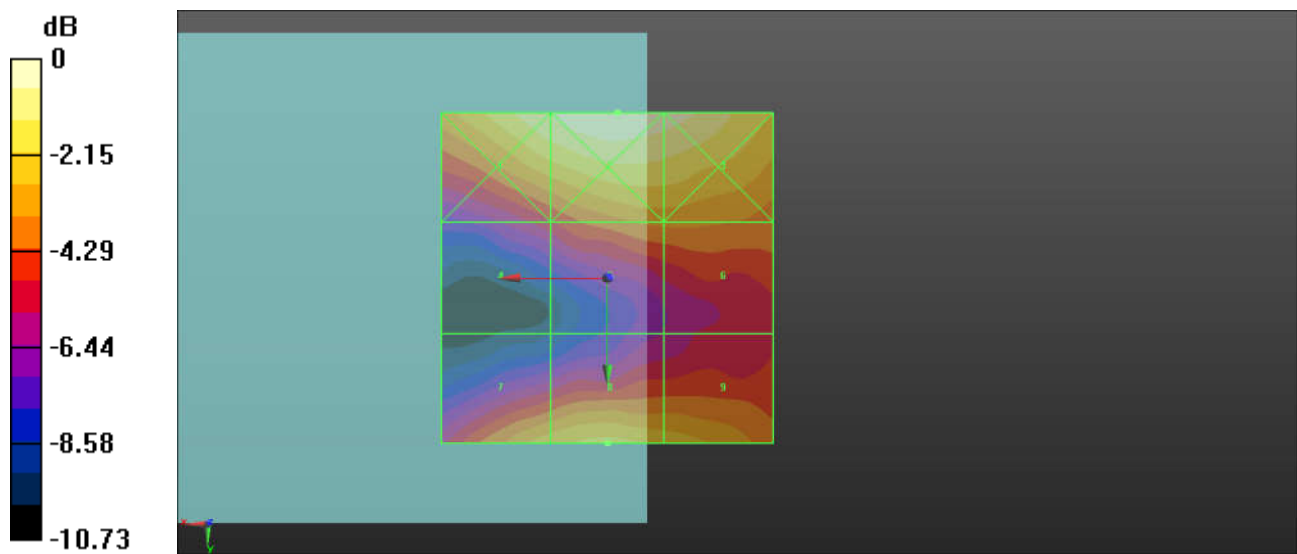
Grid 1 M4 22.59 dBV/m	Grid 2 M4 23.24 dBV/m	Grid 3 M4 22.96 dBV/m
Grid 4 M4 18.15 dBV/m	Grid 5 M4 19.86 dBV/m	Grid 6 M4 19.87 dBV/m
Grid 7 M4 20.96 dBV/m	Grid 8 M4 21.4 dBV/m	Grid 9 M4 20.97 dBV/m

Cursor:

Total = 23.24 dBV/m

E Category: M4

Location: -1.5, -25, 9.7 mm



7_HAC_E_WLAN2.4GHz_802.11g 6Mbps_Ch1

Communication System: 802.11g; Frequency: 2412 MHz; Duty Cycle: 1:1

Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³

Ambient Temperature : 23.2 °C

DASY5 Configuration

- Probe: ER3DV6 - SN2480; ConvF(1, 1, 1); Calibrated: 2017/12/15;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn854; Calibrated: 2017/5/2
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

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 = 52.43 V/m; Power Drift = 0.03 dB

Applied MIF = -18.31 dB

RF audio interference level = 14.10 dBV/m

Emission category: M4

MIF scaled E-field

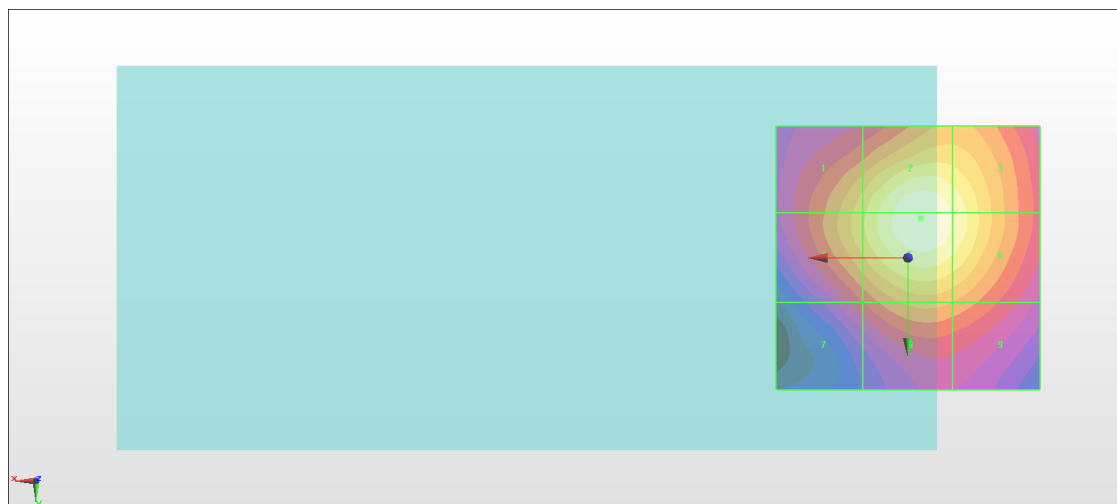
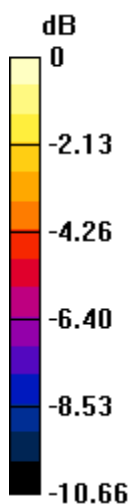
Grid 1 M4 11.81 dBV/m	Grid 2 M4 14.06 dBV/m	Grid 3 M4 13.32 dBV/m
Grid 4 M4 11.9 dBV/m	Grid 5 M4 14.1 dBV/m	Grid 6 M4 13.36 dBV/m
Grid 7 M4 9.15 dBV/m	Grid 8 M4 10.86 dBV/m	Grid 9 M4 10.52 dBV/m

Cursor:

Total = 14.10 dBV/m

E Category: M4

Location: -2.5, -7.5, 8.7 mm



0 dB = 5.070 V/m = 14.10 dBV/m

8_HAC_E_WLAN2.4GHz_802.11g 6Mbps_Ch6

Communication System: 802.11g; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³

Ambient Temperature : 23.2 °C

DASY5 Configuration

- Probe: ER3DV6 - SN2480; ConvF(1, 1, 1); Calibrated: 2017/12/15;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn854; Calibrated: 2017/5/2
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

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 = 38.38 V/m; Power Drift = -0.01 dB

Applied MIF = -18.31 dB

RF audio interference level = 11.47 dBV/m

Emission category: M4

MIF scaled E-field

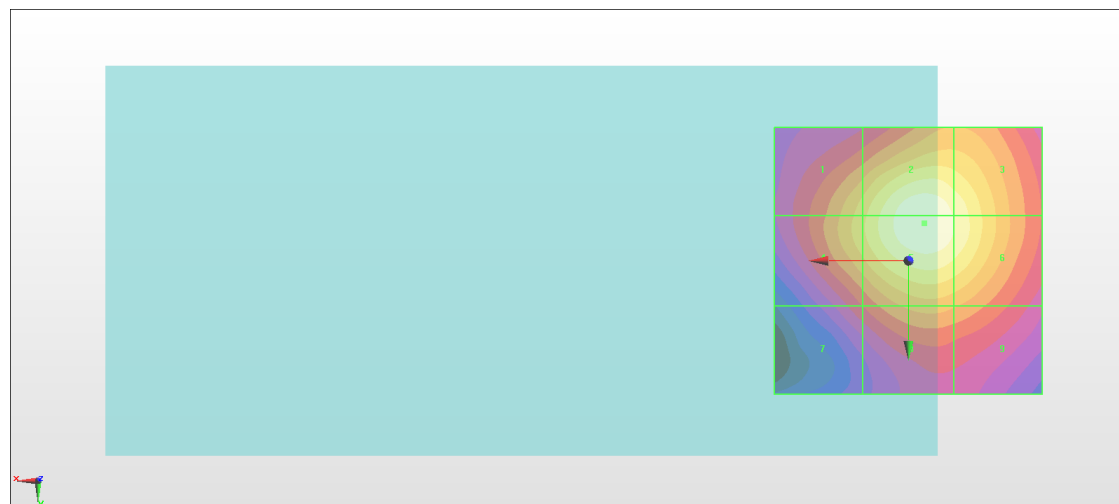
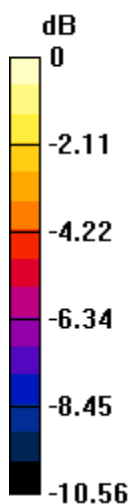
Grid 1 M4 9.16 dBV/m	Grid 2 M4 11.42 dBV/m	Grid 3 M4 10.72 dBV/m
Grid 4 M4 9.27 dBV/m	Grid 5 M4 11.47 dBV/m	Grid 6 M4 10.79 dBV/m
Grid 7 M4 6.59 dBV/m	Grid 8 M4 8.31 dBV/m	Grid 9 M4 8.04 dBV/m

Cursor:

Total = 11.47 dBV/m

E Category: M4

Location: -3, -7, 8.7 mm



0 dB = 3.747 V/m = 11.47 dBV/m

9_HAC_E_WLAN2.4GHz_802.11g 6Mbps_Ch11

Communication System: 802.11g; Frequency: 2462 MHz; Duty Cycle: 1:1

Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³

Ambient Temperature : 23.2 °C

DASY5 Configuration

- Probe: ER3DV6 - SN2480; ConvF(1, 1, 1); Calibrated: 2017/12/15;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn854; Calibrated: 2017/5/2
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

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 = 47.90 V/m; Power Drift = 0.04 dB

Applied MIF = -18.31 dB

RF audio interference level = 13.83 dBV/m

Emission category: M4

MIF scaled E-field

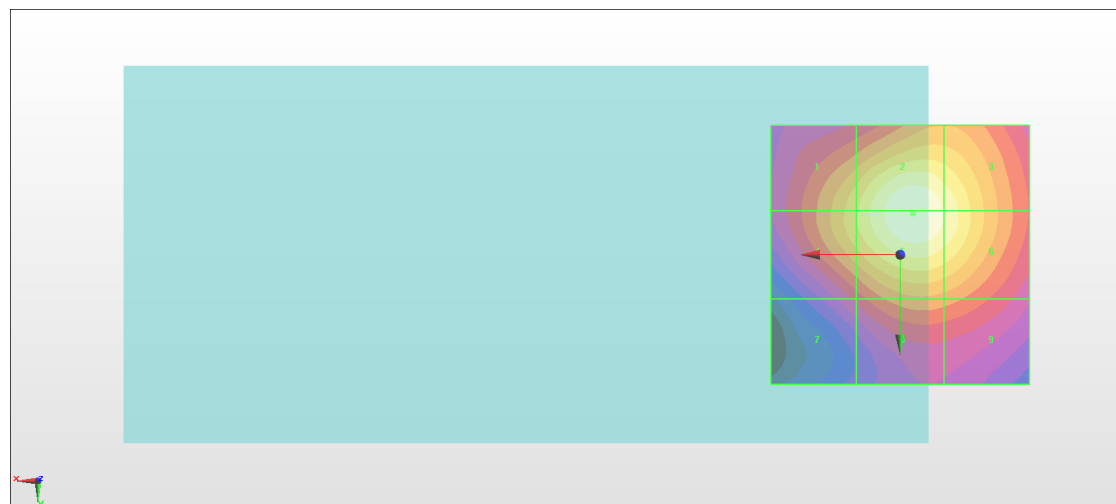
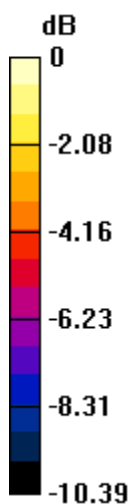
Grid 1 M4 11.67 dBV/m	Grid 2 M4 13.83 dBV/m	Grid 3 M4 13.08 dBV/m
Grid 4 M4 11.72 dBV/m	Grid 5 M4 13.83 dBV/m	Grid 6 M4 13.11 dBV/m
Grid 7 M4 8.56 dBV/m	Grid 8 M4 10.27 dBV/m	Grid 9 M4 10.07 dBV/m

Cursor:

Total = 13.83 dBV/m

E Category: M4

Location: -2.5, -8, 8.7 mm



0 dB = 4.916 V/m = 13.83 dBV/m