

#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 - SN4047; ConvF(1, 1, 1) @ 824.2 MHz; Calibrated: 2020/1/24
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1311; Calibrated: 2019/8/27
- 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 = 71.22 V/m; Power Drift = -0.09 dB

Applied MIF = 3.63 dB

RF audio interference level = 38.30 dBV/m

Emission category: M4

MIF scaled E-field

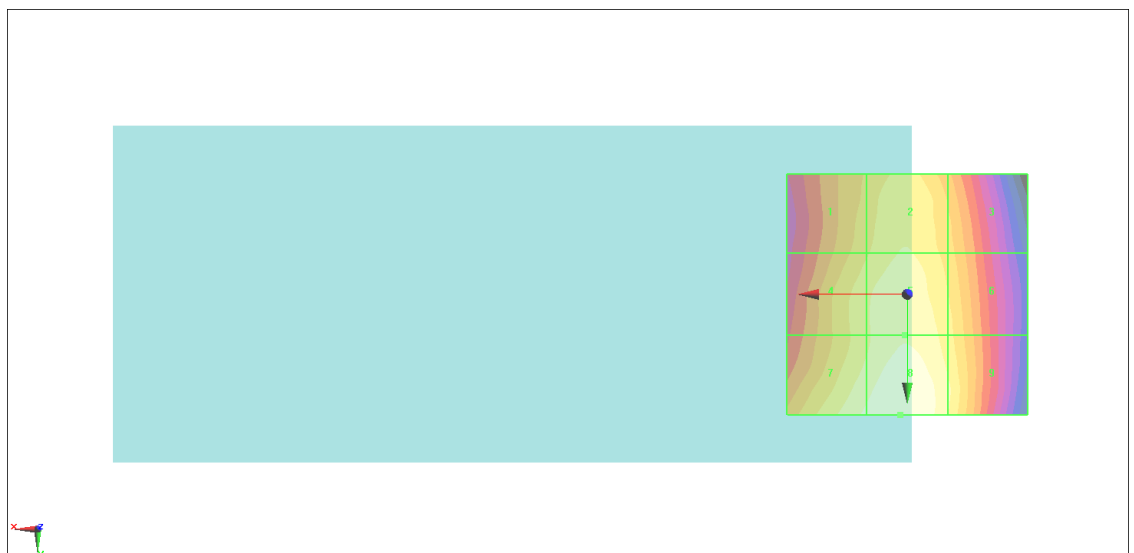
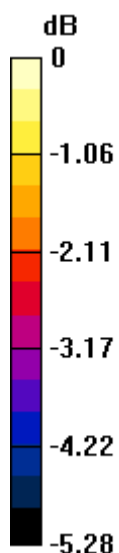
Grid 1 M4 37.2 dBV/m	Grid 2 M4 37.62 dBV/m	Grid 3 M4 37.07 dBV/m
Grid 4 M4 37.54 dBV/m	Grid 5 M4 37.91 dBV/m	Grid 6 M4 37.39 dBV/m
Grid 7 M4 38.02 dBV/m	Grid 8 M4 38.3 dBV/m	Grid 9 M4 37.67 dBV/m

Cursor:

Total = 38.30 dBV/m

E Category: M4

Location: 1.5, 25, 8.7 mm



0 dB = 82.18 V/m = 38.30 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 : 23.5 °C

DASY5 Configuration:

- Probe: EF3DV3 - SN4047; ConvF(1, 1, 1) @ 836.4 MHz; Calibrated: 2020/1/24
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1311; Calibrated: 2019/8/27
- 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 = 69.82 V/m; Power Drift = -0.03 dB

Applied MIF = 3.63 dB

RF audio interference level = 38.26 dBV/m

Emission category: M4

MIF scaled E-field

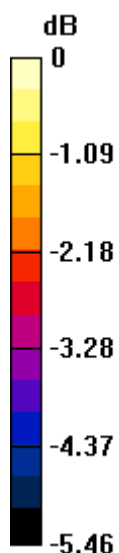
Grid 1 M4 37.13 dBV/m	Grid 2 M4 37.47 dBV/m	Grid 3 M4 36.88 dBV/m
Grid 4 M4 37.46 dBV/m	Grid 5 M4 37.75 dBV/m	Grid 6 M4 37.21 dBV/m
Grid 7 M4 38.03 dBV/m	Grid 8 M4 38.26 dBV/m	Grid 9 M4 37.48 dBV/m

Cursor:

Total = 38.26 dBV/m

E Category: M4

Location: 2, 25, 8.7 mm



0 dB = 81.82 V/m = 38.26 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 : 23.5 °C

DASY5 Configuration:

- Probe: EF3DV3 - SN4047; ConvF(1, 1, 1) @ 848.8 MHz; Calibrated: 2020/1/24
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1311; Calibrated: 2019/8/27
- 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 = 61.57 V/m; Power Drift = -0.01 dB

Applied MIF = 3.63 dB

RF audio interference level = 37.01 dBV/m

Emission category: M4

MIF scaled E-field

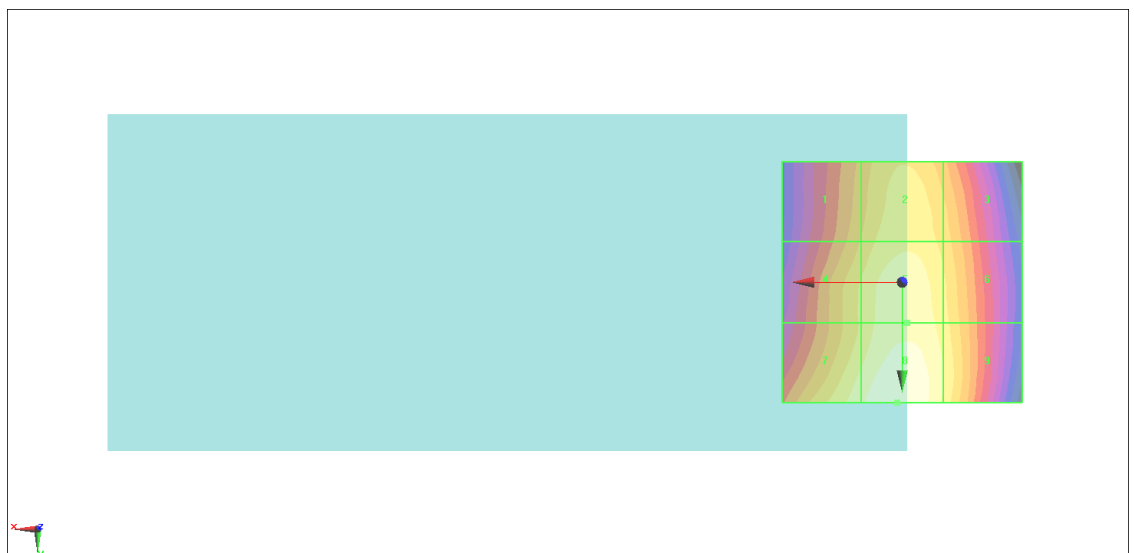
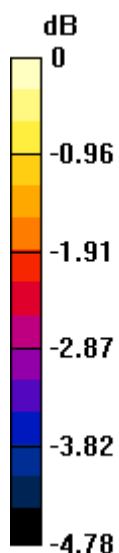
Grid 1 M4 35.77 dBV/m	Grid 2 M4 36.33 dBV/m	Grid 3 M4 35.94 dBV/m
Grid 4 M4 36.13 dBV/m	Grid 5 M4 36.61 dBV/m	Grid 6 M4 36.22 dBV/m
Grid 7 M4 36.62 dBV/m	Grid 8 M4 37.01 dBV/m	Grid 9 M4 36.41 dBV/m

Cursor:

Total = 37.01 dBV/m

E Category: M4

Location: 1, 25, 8.7 mm



0 dB = 70.86 V/m = 37.01 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 : 23.5 °C

DASY5 Configuration:

- Probe: EF3DV3 - SN4047; ConvF(1, 1, 1) @ 1850.2 MHz; Calibrated: 2020/1/24
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1311; Calibrated: 2019/8/27
- 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 = 10.67 V/m; Power Drift = -0.04 dB

Applied MIF = 3.63 dB

RF audio interference level = 26.76 dBV/m

Emission category: M4

MIF scaled E-field

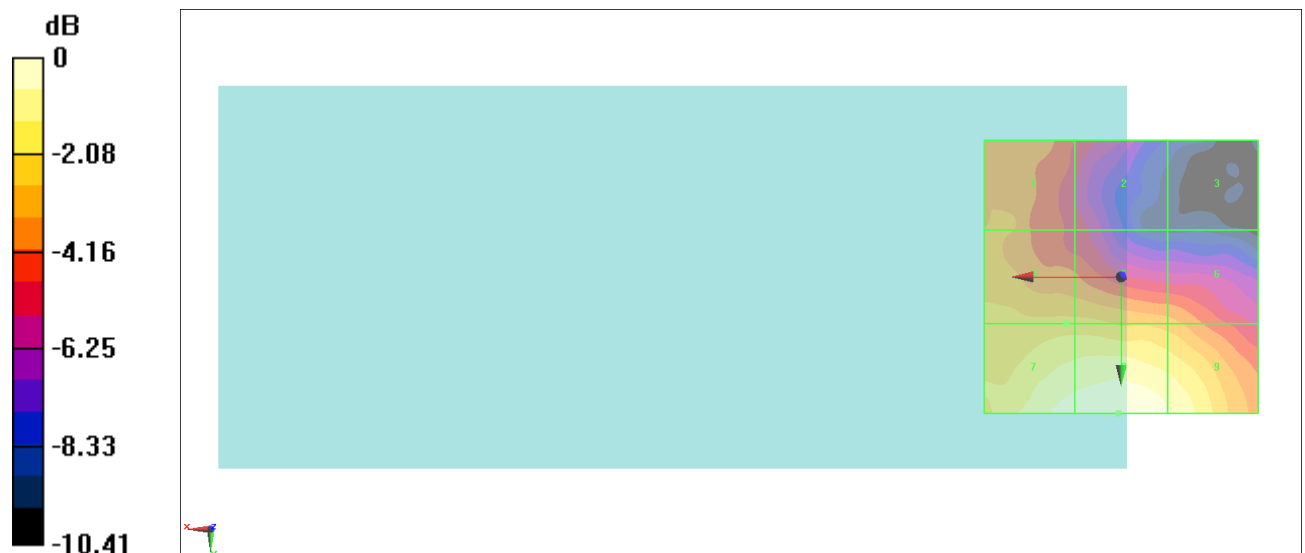
Grid 1 M4 23.47 dBV/m	Grid 2 M4 21.97 dBV/m	Grid 3 M4 18.4 dBV/m
Grid 4 M4 24.28 dBV/m	Grid 5 M4 24.27 dBV/m	Grid 6 M4 23.63 dBV/m
Grid 7 M4 26.51 dBV/m	Grid 8 M4 26.76 dBV/m	Grid 9 M4 26.16 dBV/m

Cursor:

Total = 26.76 dBV/m

E Category: M4

Location: 0.5, 25, 8.7 mm



0 dB = 21.78 V/m = 26.76 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 - SN4047; ConvF(1, 1, 1) @ 1880 MHz; Calibrated: 2020/1/24
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1311; Calibrated: 2019/8/27
- 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 = 9.955 V/m; Power Drift = 0.11 dB

Applied MIF = 3.63 dB

RF audio interference level = 25.79 dBV/m

Emission category: M4

MIF scaled E-field

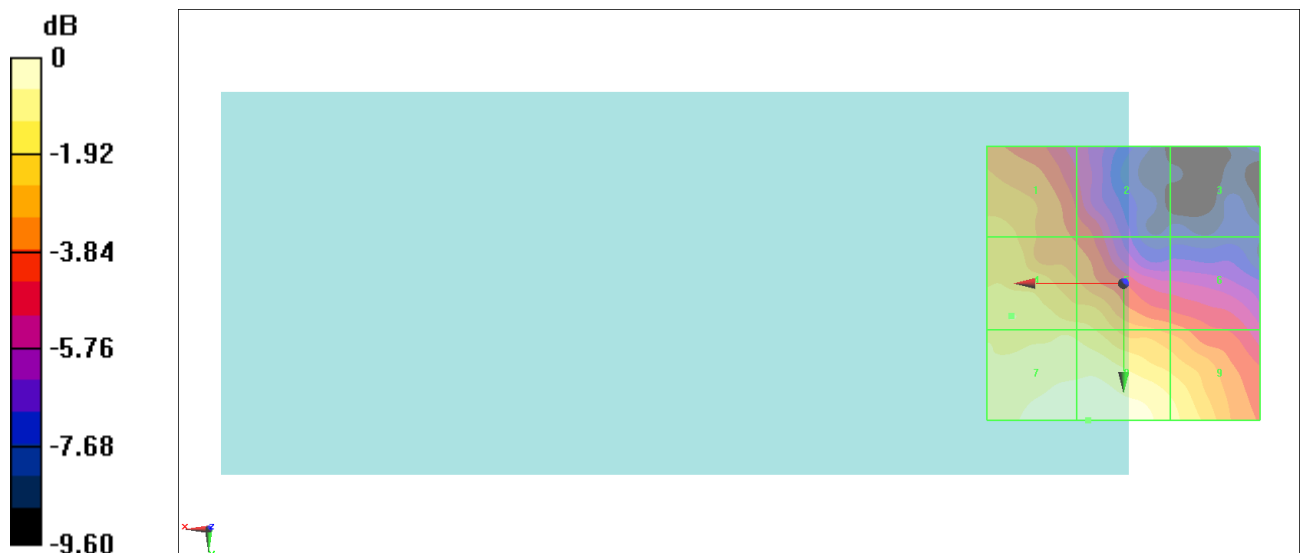
Grid 1 M4 23.54 dBV/m	Grid 2 M4 21.84 dBV/m	Grid 3 M4 18.16 dBV/m
Grid 4 M4 24.53 dBV/m	Grid 5 M4 24.21 dBV/m	Grid 6 M4 22.38 dBV/m
Grid 7 M4 25.77 dBV/m	Grid 8 M4 25.79 dBV/m	Grid 9 M4 24.81 dBV/m

Cursor:

Total = 25.79 dBV/m

E Category: M4

Location: 6.5, 25, 8.7 mm



0 dB = 19.49 V/m = 25.79 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 - SN4047; ConvF(1, 1, 1) @ 1909.8 MHz; Calibrated: 2020/1/24
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1311; Calibrated: 2019/8/27
- 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 = 9.736 V/m; Power Drift = 0.11 dB

Applied MIF = 3.63 dB

RF audio interference level = 25.80 dBV/m

Emission category: M4

MIF scaled E-field

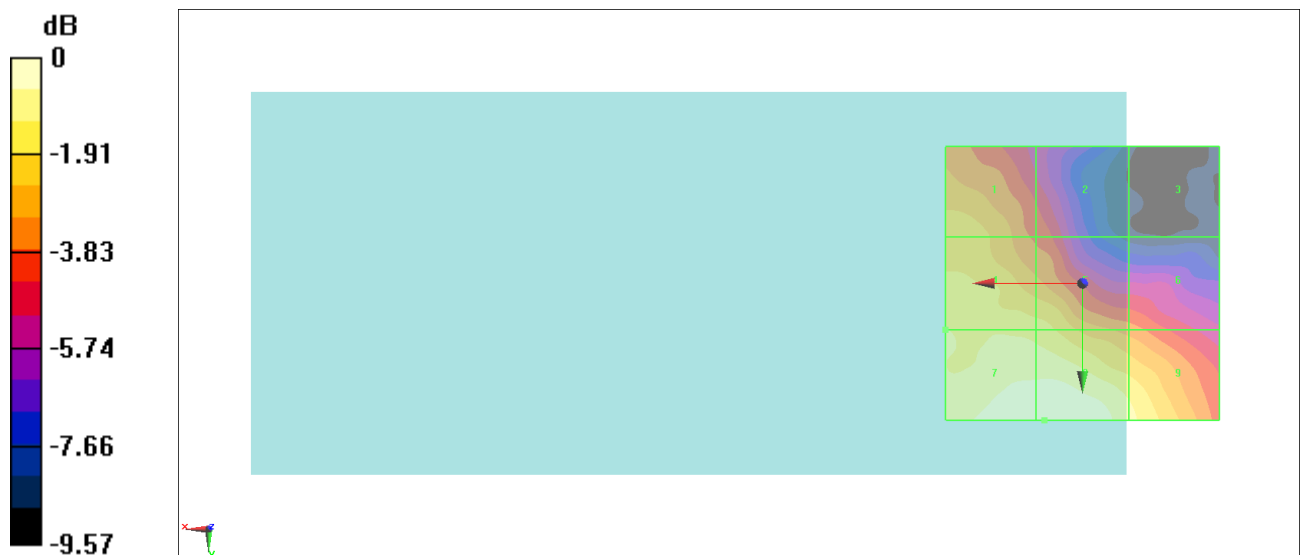
Grid 1 M4 23.6 dBV/m	Grid 2 M4 21.84 dBV/m	Grid 3 M4 17.51 dBV/m
Grid 4 M4 24.57 dBV/m	Grid 5 M4 24.24 dBV/m	Grid 6 M4 22.34 dBV/m
Grid 7 M4 25.79 dBV/m	Grid 8 M4 25.8 dBV/m	Grid 9 M4 24.76 dBV/m

Cursor:

Total = 25.80 dBV/m

E Category: M4

Location: 7, 25, 8.7 mm



0 dB = 19.50 V/m = 25.80 dBV/m

#07_HAC_E_WLAN2.4GHz_802.11g 6Mbps_Ch1

Communication System: 802.11g WiFi 2.4 GHz (DSSS/OFDM, 54 Mbps); Frequency: 2412 MHz; Duty Cycle: 1:12.5777

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 - SN4047; ConvF(1, 1, 1) @ 2412 MHz; Calibrated: 2020/1/24
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1311; Calibrated: 2019/8/27
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

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 = 56.41 V/m; Power Drift = -0.04 dB

Applied MIF = 0.12 dB

RF audio interference level = 32.92 dBV/m

Emission category: M3

MIF scaled E-field

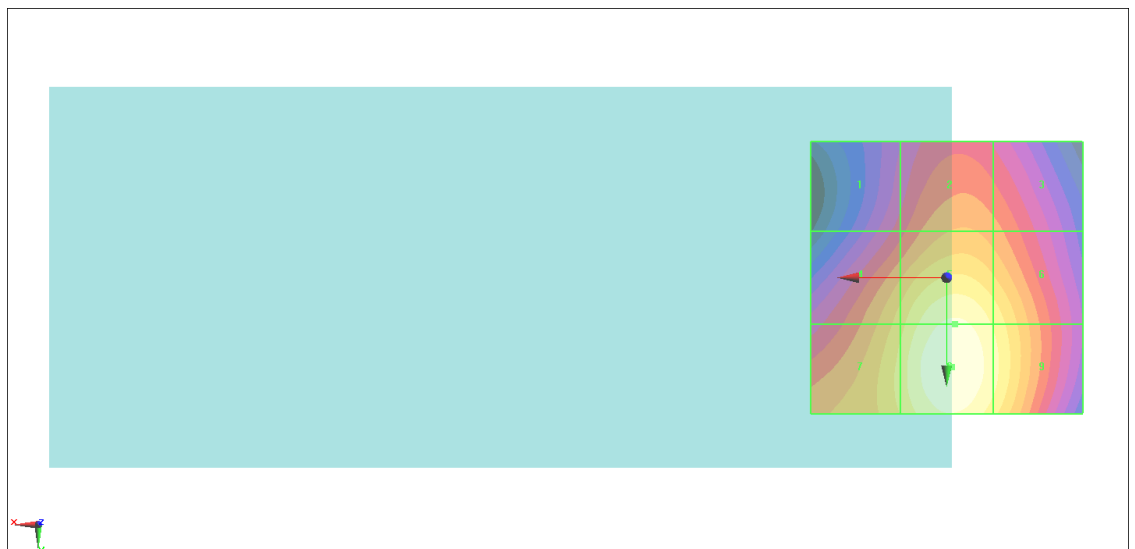
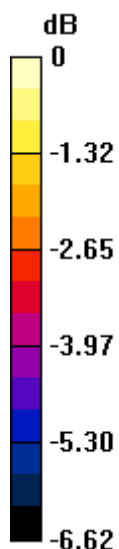
Grid 1 M4 29.69 dBV/m	Grid 2 M3 30.78 dBV/m	Grid 3 M3 30.49 dBV/m
Grid 4 M3 31.42 dBV/m	Grid 5 M3 32.57 dBV/m	Grid 6 M3 31.99 dBV/m
Grid 7 M3 31.79 dBV/m	Grid 8 M3 32.92 dBV/m	Grid 9 M3 32.23 dBV/m

Cursor:

Total = 32.92 dBV/m

E Category: M3

Location: -1, 16.5, 8.7 mm



0 dB = 44.24 V/m = 32.92 dBV/m

#08_HAC_E_WLAN2.4GHz_802.11g 6Mbps_Ch6

Communication System: 802.11g WiFi 2.4 GHz (DSSS/OFDM, 54 Mbps); Frequency: 2437 MHz; Duty Cycle: 1:12.5777

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 - SN4047; ConvF(1, 1, 1) @ 2437 MHz; Calibrated: 2020/1/24
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1311; Calibrated: 2019/8/27
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

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 = 62.22 V/m; Power Drift = -0.10 dB

Applied MIF = 0.12 dB

RF audio interference level = 33.81 dBV/m

Emission category: M3

MIF scaled E-field

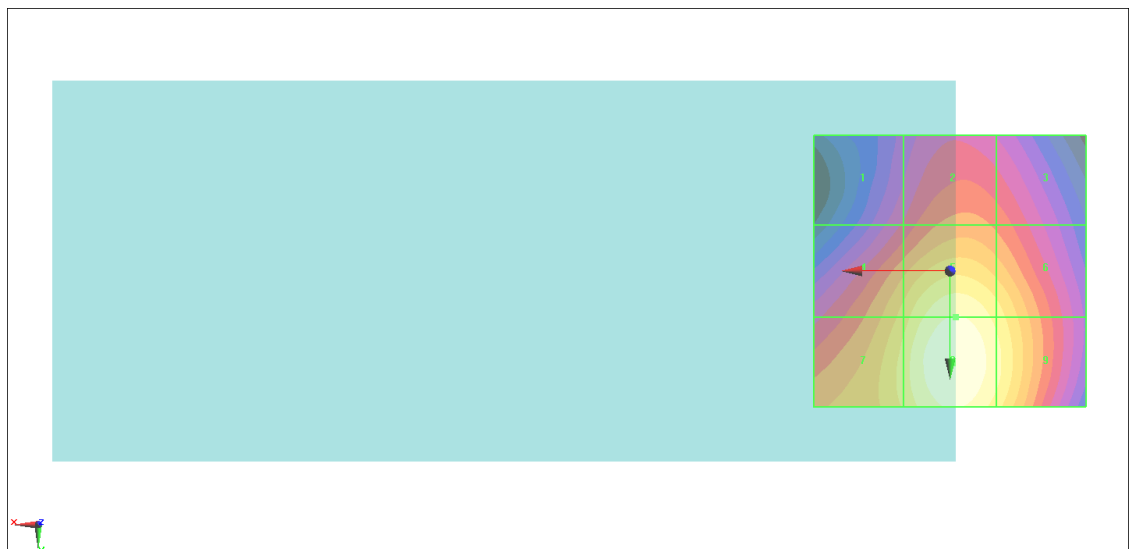
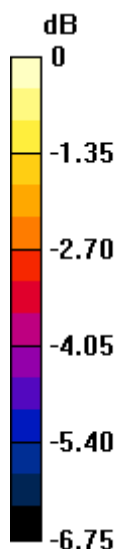
Grid 1 M3 30.32 dBV/m	Grid 2 M3 31.32 dBV/m	Grid 3 M3 31.02 dBV/m
Grid 4 M3 32.25 dBV/m	Grid 5 M3 33.39 dBV/m	Grid 6 M3 32.75 dBV/m
Grid 7 M3 32.69 dBV/m	Grid 8 M3 33.81 dBV/m	Grid 9 M3 33.08 dBV/m

Cursor:

Total = 33.81 dBV/m

E Category: M3

Location: -0.5, 17, 8.7 mm



0 dB = 49.01 V/m = 33.81 dBV/m

#09_HAC_E_WLAN2.4GHz_802.11g 6Mbps_Ch11

Communication System: IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 54 Mbps); Frequency: 2462 MHz; Duty Cycle: 1:12.5777

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 - SN4047; ConvF(1, 1, 1) @ 2462 MHz; Calibrated: 2020/1/24
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1311; Calibrated: 2019/8/27
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

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 = 70.03 V/m; Power Drift = -0.07 dB

Applied MIF = 0.12 dB

RF audio interference level = 34.82 dBV/m

Emission category: M3

MIF scaled E-field

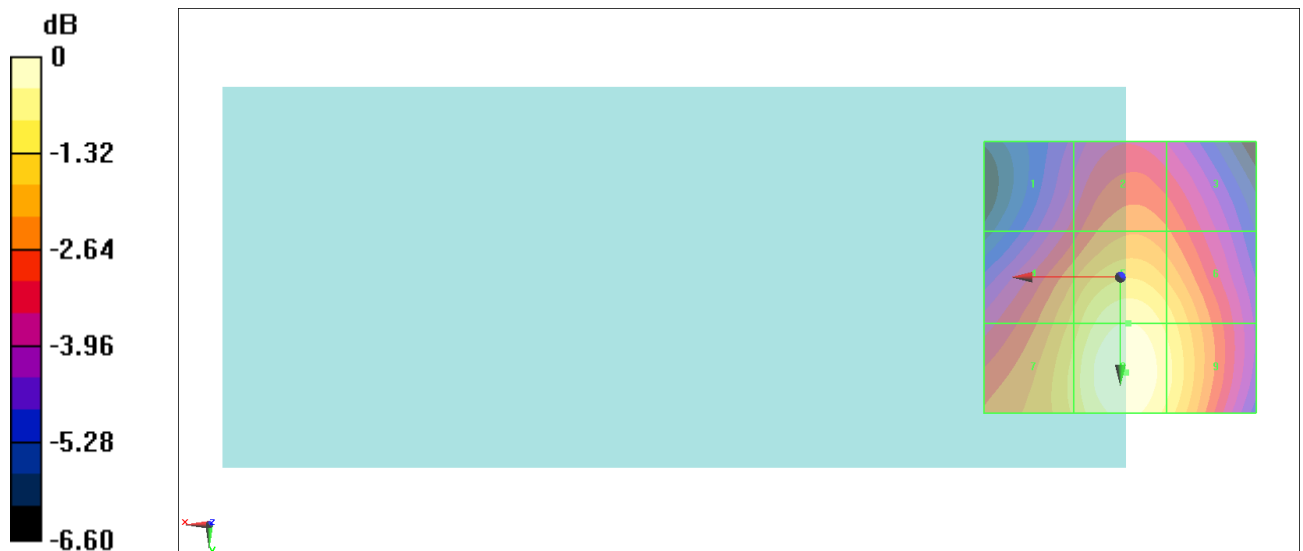
Grid 1 M3 31.56 dBV/m	Grid 2 M3 32.57 dBV/m	Grid 3 M3 32.26 dBV/m
Grid 4 M3 33.27 dBV/m	Grid 5 M3 34.4 dBV/m	Grid 6 M3 33.8 dBV/m
Grid 7 M3 33.72 dBV/m	Grid 8 M3 34.82 dBV/m	Grid 9 M3 34.12 dBV/m

Cursor:

Total = 34.82 dBV/m

E Category: M3

Location: -1, 17.5, 8.7 mm



0 dB = 55.07 V/m = 34.82 dBV/m