

#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 : 23.6 °C

DASY5 Configuration:

- Probe: EF3DV3 - SN4047; ConvF(1, 1, 1) @ 824.2 MHz; Calibrated: 2019/1/30
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn853; Calibrated: 2018/7/24
- 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 = 49.76 V/m; Power Drift = -0.06 dB

Applied MIF = 3.63 dB

RF audio interference level = 35.69 dBV/m

Emission category: M4

MIF scaled E-field

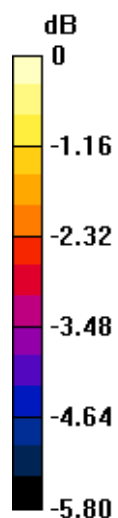
Grid 1 M4 34.35 dBV/m	Grid 2 M4 35.69 dBV/m	Grid 3 M4 35.53 dBV/m
Grid 4 M4 33.97 dBV/m	Grid 5 M4 34.55 dBV/m	Grid 6 M4 34.33 dBV/m
Grid 7 M4 33.79 dBV/m	Grid 8 M4 34.29 dBV/m	Grid 9 M4 33.91 dBV/m

Cursor:

Total = 35.69 dBV/m

E Category: M4

Location: -4.5, -25, 8.7 mm



0 dB = 60.87 V/m = 35.69 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 : 23.6 °C

DASY5 Configuration:

- Probe: EF3DV3 - SN4047; ConvF(1, 1, 1) @ 836.4 MHz; Calibrated: 2019/1/30
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn853; Calibrated: 2018/7/24
- 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 = 49.36 V/m; Power Drift = 0.03 dB

Applied MIF = 3.63 dB

RF audio interference level = 35.63 dBV/m

Emission category: M4

MIF scaled E-field

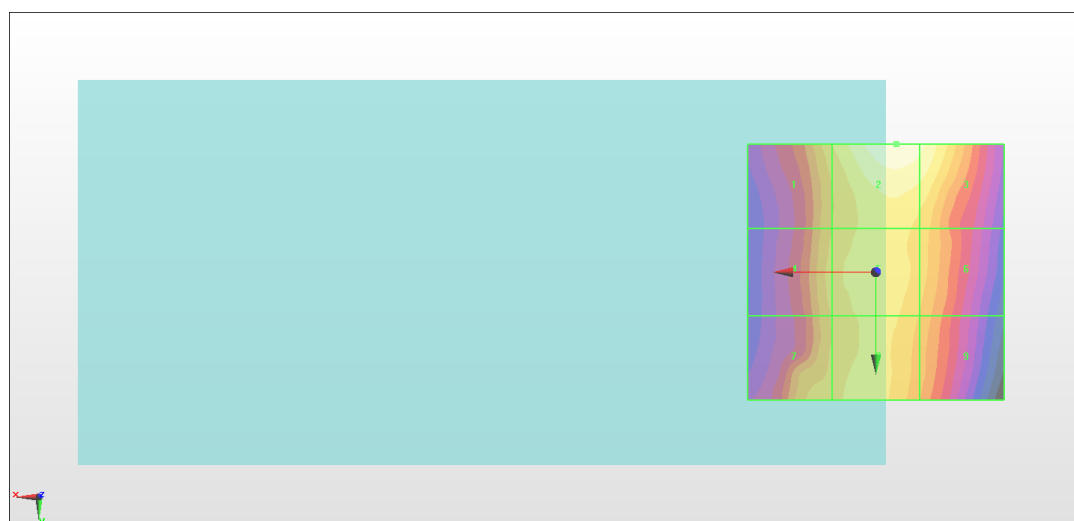
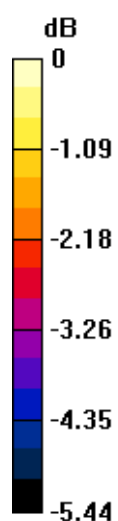
Grid 1 M4 34.56 dBV/m	Grid 2 M4 35.63 dBV/m	Grid 3 M4 35.38 dBV/m
Grid 4 M4 34.39 dBV/m	Grid 5 M4 34.86 dBV/m	Grid 6 M4 34.43 dBV/m
Grid 7 M4 34.46 dBV/m	Grid 8 M4 34.71 dBV/m	Grid 9 M4 34.15 dBV/m

Cursor:

Total = 35.63 dBV/m

E Category: M4

Location: -4, -25, 8.7 mm



0 dB = 60.46 V/m = 35.63 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 : 23.6 °C

DASY5 Configuration:

- Probe: EF3DV3 - SN4047; ConvF(1, 1, 1) @ 848.8 MHz; Calibrated: 2019/1/30
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn853; Calibrated: 2018/7/24
- 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 = 58.10 V/m; Power Drift = -0.05 dB

Applied MIF = 3.63 dB

RF audio interference level = 34.94 dBV/m

Emission category: M4

MIF scaled E-field

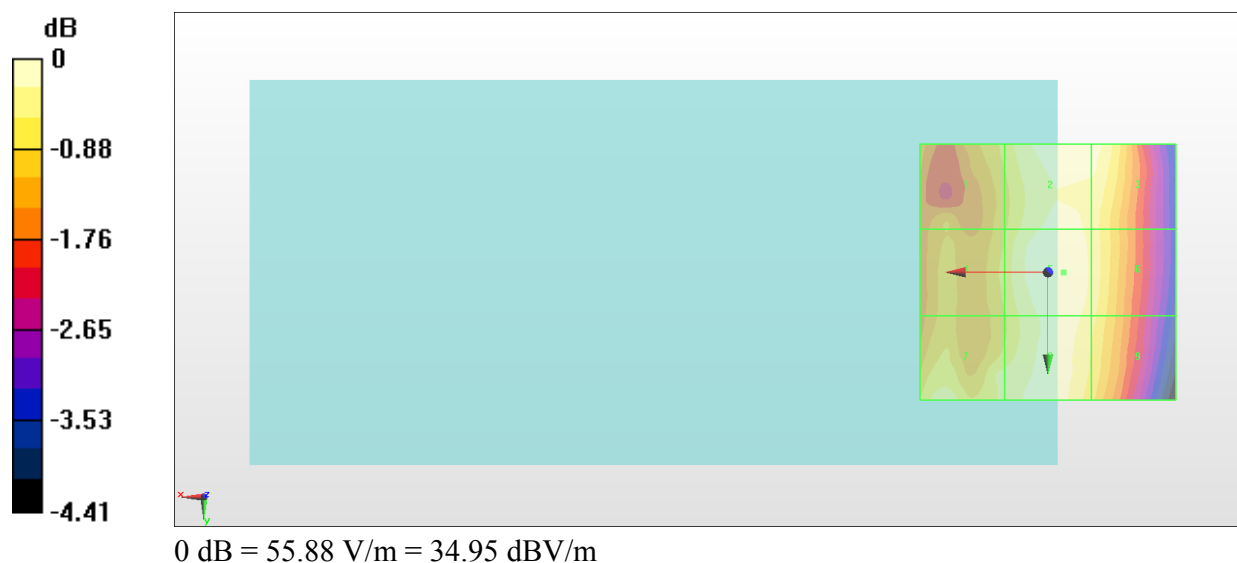
Grid 1 M4 34.18 dBV/m	Grid 2 M4 34.84 dBV/m	Grid 3 M4 34.82 dBV/m
Grid 4 M4 34.18 dBV/m	Grid 5 M4 34.94 dBV/m	Grid 6 M4 34.59 dBV/m
Grid 7 M4 34.59 dBV/m	Grid 8 M4 34.8 dBV/m	Grid 9 M4 34.46 dBV/m

Cursor:

Total = 34.94 dBV/m

E Category: M4

Location: -3, 0, 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 : 23.6 °C

DASY5 Configuration:

- Probe: EF3DV3 - SN4047; ConvF(1, 1, 1) @ 1850.2 MHz; Calibrated: 2019/1/30
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn853; Calibrated: 2018/7/24
- 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 = 9.730 V/m; Power Drift = -0.00 dB

Applied MIF = 3.63 dB

RF audio interference level = 25.22 dBV/m

Emission category: M4

MIF scaled E-field

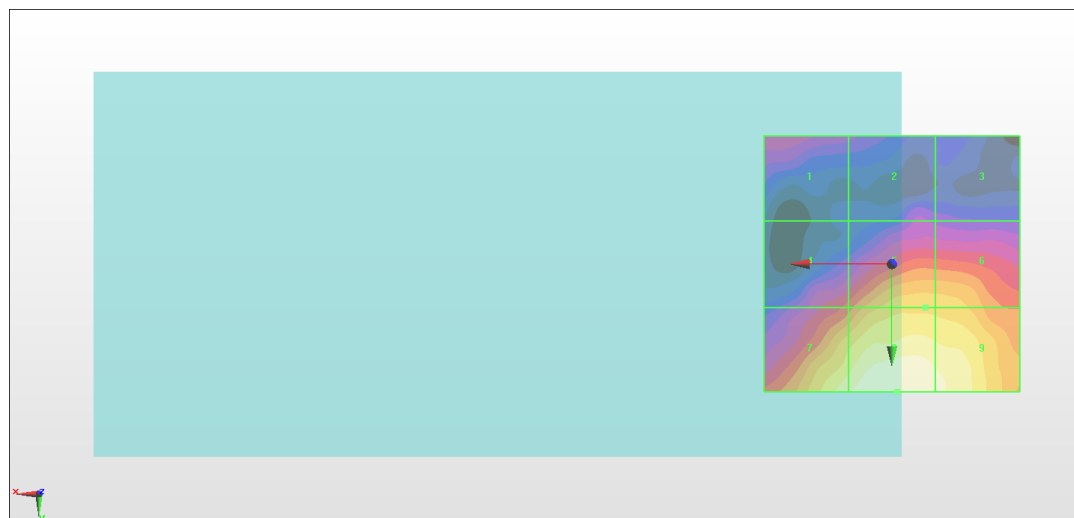
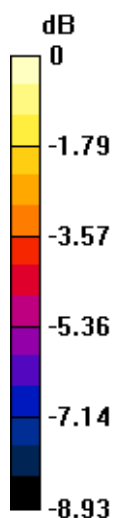
Grid 1 M4 20.48 dBV/m	Grid 2 M4 19.56 dBV/m	Grid 3 M4 19.1 dBV/m
Grid 4 M4 21.39 dBV/m	Grid 5 M4 23.28 dBV/m	Grid 6 M4 23.23 dBV/m
Grid 7 M4 24.52 dBV/m	Grid 8 M4 25.22 dBV/m	Grid 9 M4 24.82 dBV/m

Cursor:

Total = 25.22 dBV/m

E Category: M4

Location: -1, 25, 8.7 mm



0 dB = 18.24 V/m = 25.22 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 : 23.6 °C

DASY5 Configuration:

- Probe: EF3DV3 - SN4047; ConvF(1, 1, 1) @ 1880 MHz; Calibrated: 2019/1/30
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn853; Calibrated: 2018/7/24
- 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 = 10.23 V/m; Power Drift = -0.02 dB

Applied MIF = 3.63 dB

RF audio interference level = 27.10 dBV/m

Emission category: M4

MIF scaled E-field

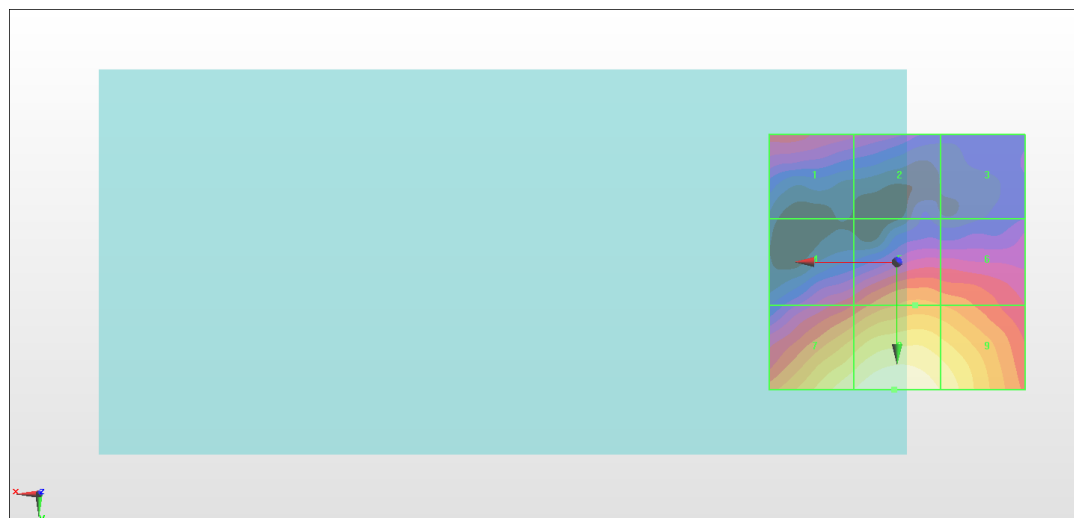
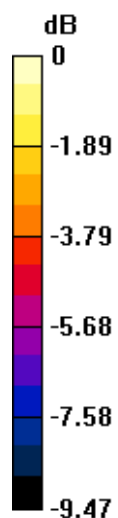
Grid 1 M4 22.4 dBV/m	Grid 2 M4 21.67 dBV/m	Grid 3 M4 20.32 dBV/m
Grid 4 M4 22.74 dBV/m	Grid 5 M4 24.19 dBV/m	Grid 6 M4 23.98 dBV/m
Grid 7 M4 26.48 dBV/m	Grid 8 M4 27.1 dBV/m	Grid 9 M4 26.45 dBV/m

Cursor:

Total = 27.10 dBV/m

E Category: M4

Location: 0.5, 25, 8.7 mm



0 dB = 22.65 V/m = 27.10 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 : 23.6 °C

DASY5 Configuration:

- Probe: EF3DV3 - SN4047; ConvF(1, 1, 1) @ 1909.8 MHz; Calibrated: 2019/1/30
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn853; Calibrated: 2018/7/24
- 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 = 13.36 V/m; Power Drift = -0.02 dB

Applied MIF = 3.63 dB

RF audio interference level = 28.53 dBV/m

Emission category: M4

MIF scaled E-field

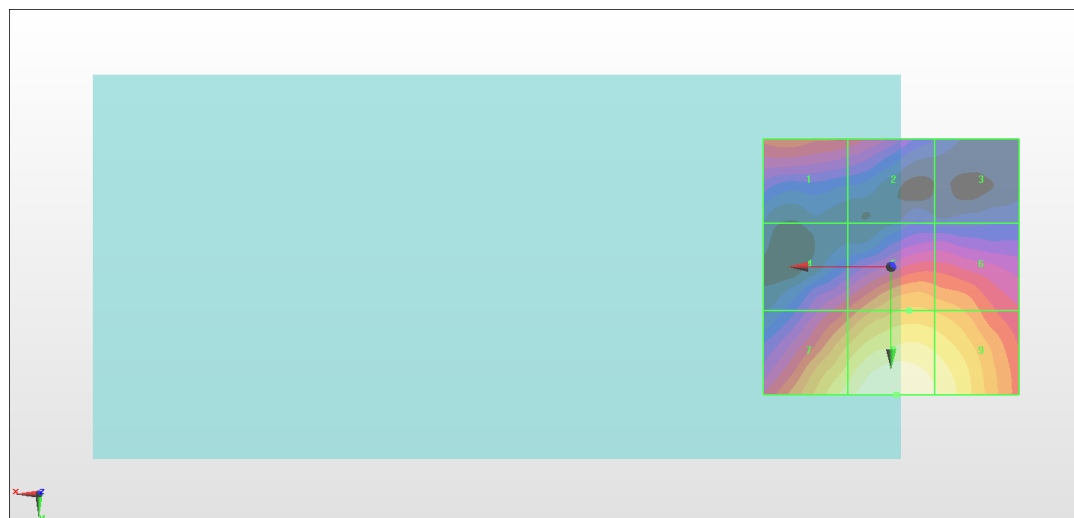
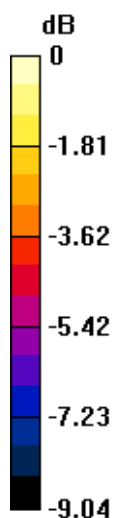
Grid 1 M4 24.74 dBV/m	Grid 2 M4 24.19 dBV/m	Grid 3 M4 21.35 dBV/m
Grid 4 M4 24.39 dBV/m	Grid 5 M4 26.23 dBV/m	Grid 6 M4 26.07 dBV/m
Grid 7 M4 27.65 dBV/m	Grid 8 M4 28.53 dBV/m	Grid 9 M4 28.02 dBV/m

Cursor:

Total = 28.53 dBV/m

E Category: M4

Location: -1, 25, 8.7 mm



0 dB = 26.70 V/m = 28.53 dBV/m

#07_HAC_E_WLAN2.4GHz_802.11b 1Mbps_Ch1

Communication System: 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps); Frequency: 2412 MHz; Duty Cycle: 1:2.29087

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

Ambient Temperature : 23.6 °C

DASY5 Configuration:

- Probe: EF3DV3 - SN4047; ConvF(1, 1, 1) @ 2412 MHz; Calibrated: 2019/1/30
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1399; Calibrated: 2018/11/16
- 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 = 27.39 V/m; Power Drift = -0.14 dB

Applied MIF = -2.02 dB

RF audio interference level = 23.49 dBV/m

Emission category: M4

MIF scaled E-field

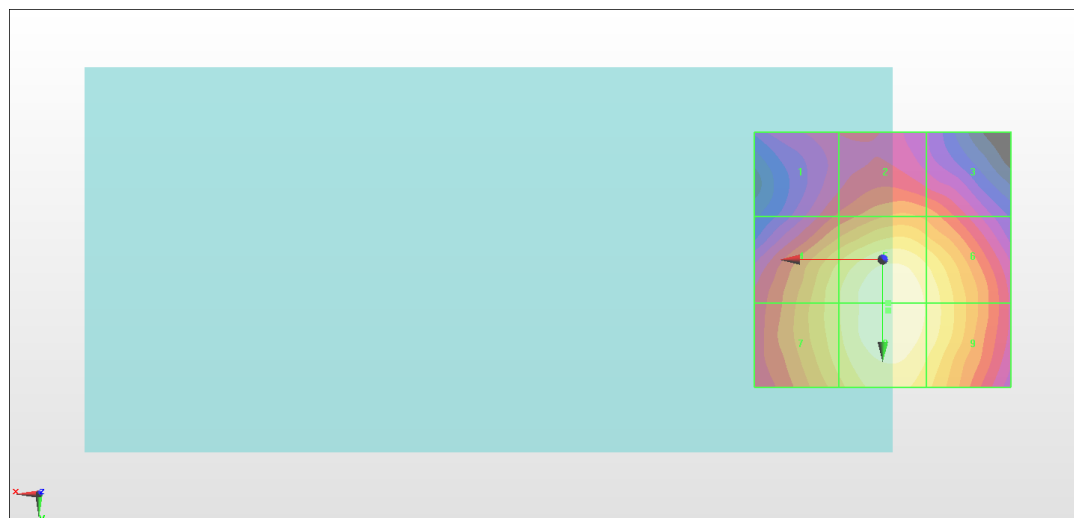
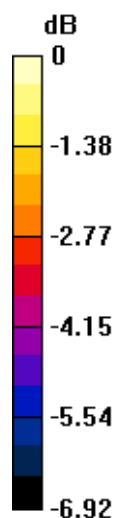
Grid 1 M4 20.41 dBV/m	Grid 2 M4 21.31 dBV/m	Grid 3 M4 21.06 dBV/m
Grid 4 M4 22.54 dBV/m	Grid 5 M4 23.47 dBV/m	Grid 6 M4 22.98 dBV/m
Grid 7 M4 22.54 dBV/m	Grid 8 M4 23.49 dBV/m	Grid 9 M4 22.99 dBV/m

Cursor:

Total = 23.49 dBV/m

E Category: M4

Location: -1, 10, 8.7 mm



0 dB = 14.94 V/m = 23.49 dBV/m

#08_HAC_E_WLAN2.4GHz_802.11b 1Mbps_Ch6

Communication System: 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps); Frequency: 2437 MHz; Duty Cycle: 1:2.29087

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

Ambient Temperature : 23.6 °C

DASY5 Configuration:

- Probe: EF3DV3 - SN4047; ConvF(1, 1, 1) @ 2437 MHz; Calibrated: 2019/1/30
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1399; Calibrated: 2018/11/16
- 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 = 22.85 V/m; Power Drift = -0.03 dB

Applied MIF = -2.02 dB

RF audio interference level = 21.91 dBV/m

Emission category: M4

MIF scaled E-field

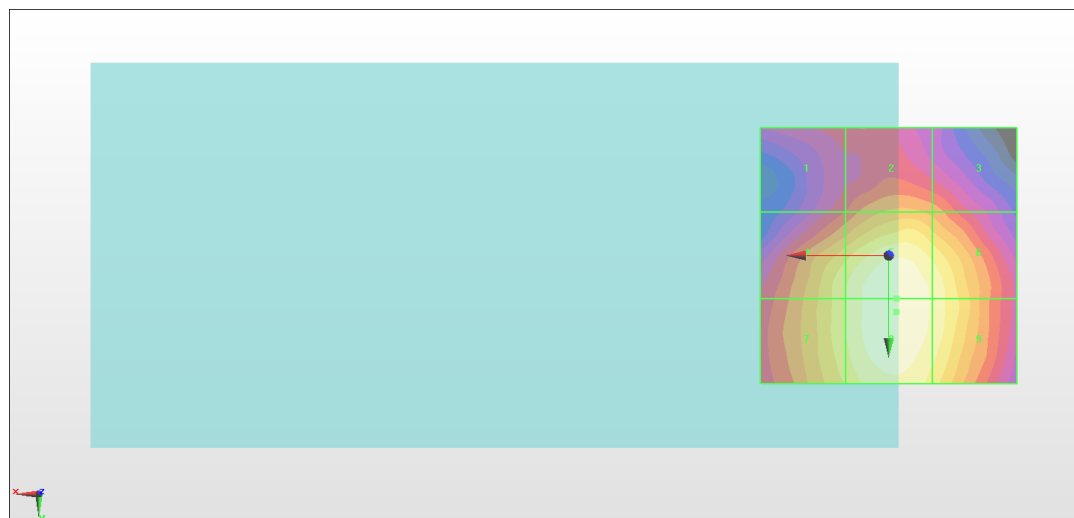
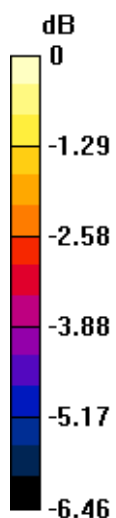
Grid 1 M4 18.95 dBV/m	Grid 2 M4 19.92 dBV/m	Grid 3 M4 19.62 dBV/m
Grid 4 M4 21.03 dBV/m	Grid 5 M4 21.89 dBV/m	Grid 6 M4 21.4 dBV/m
Grid 7 M4 21.04 dBV/m	Grid 8 M4 21.91 dBV/m	Grid 9 M4 21.41 dBV/m

Cursor:

Total = 21.91 dBV/m

E Category: M4

Location: -1.5, 11, 8.7 mm



0 dB = 12.46 V/m = 21.91 dBV/m

#09_HAC_E_WLAN2.4GHz_802.11b 1Mbps_Ch11

Communication System: 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps); Frequency: 2462 MHz; Duty Cycle: 1:2.29087

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

Ambient Temperature : 23.6 °C

DASY5 Configuration:

- Probe: EF3DV3 - SN4047; ConvF(1, 1, 1) @ 2462 MHz; Calibrated: 2019/1/30
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1399; Calibrated: 2018/11/16
- 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 = 20.20 V/m; Power Drift = -0.13 dB

Applied MIF = -2.02 dB

RF audio interference level = 20.92 dBV/m

Emission category: M4

MIF scaled E-field

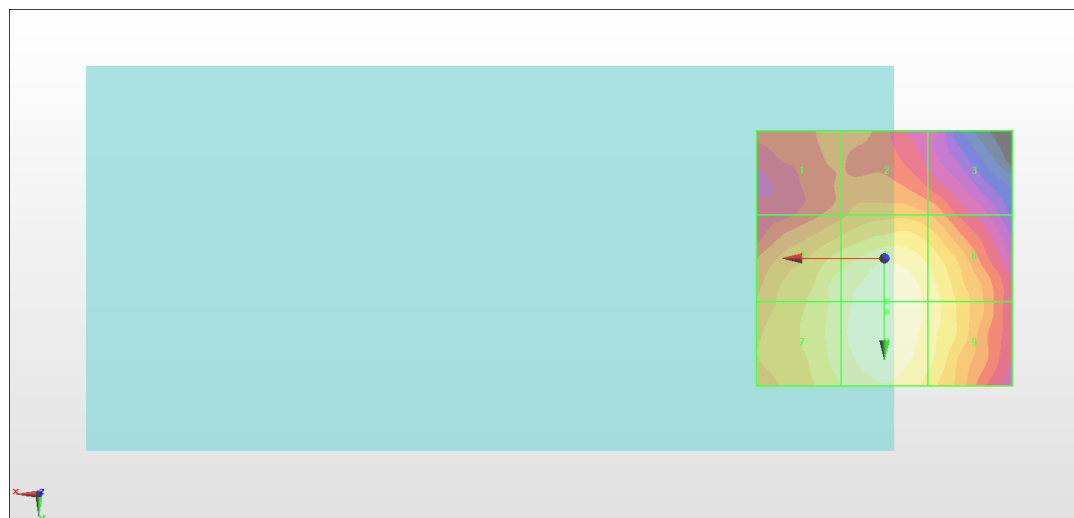
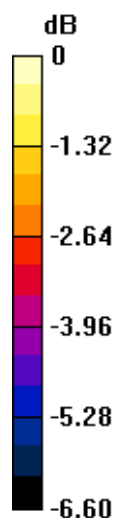
Grid 1 M4 18.59 dBV/m	Grid 2 M4 19.06 dBV/m	Grid 3 M4 18.77 dBV/m
Grid 4 M4 20.29 dBV/m	Grid 5 M4 20.89 dBV/m	Grid 6 M4 20.34 dBV/m
Grid 7 M4 20.35 dBV/m	Grid 8 M4 20.92 dBV/m	Grid 9 M4 20.36 dBV/m

Cursor:

Total = 20.92 dBV/m

E Category: M4

Location: -0.5, 10.5, 8.7 mm



0 dB = 11.11 V/m = 20.91 dBV/m