

#01_HAC_E_LTE Band 48_20M_QPSK_1_0_Ch55340

Communication System: LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 3560 MHz; Duty Cycle: 1:8.8736

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

Ambient Temperature : 23.4 °C

DASY5 Configuration

- Probe: EF3DV3 - SN4062; ConvF(1, 1, 1) @ 3560 MHz; Calibrated: 2020/12/18

- Sensor-Surface: (Fix Surface)

- Electronics: DAE4 Sn854; Calibrated: 2020/5/26

- 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 = 6.045 V/m; Power Drift = -0.04 dB

Applied MIF = -1.44 dB

RF audio interference level = 18.68 dBV/m

Emission category: M4

MIF scaled E-field

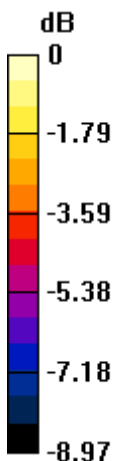
Grid 1 M4 14.35 dBV/m	Grid 2 M4 17.34 dBV/m	Grid 3 M4 17.47 dBV/m
Grid 4 M4 12.57 dBV/m	Grid 5 M4 16.68 dBV/m	Grid 6 M4 17.91 dBV/m
Grid 7 M4 16.76 dBV/m	Grid 8 M4 17.32 dBV/m	Grid 9 M4 18.68 dBV/m

Cursor:

Total = 18.68 dBV/m

E Category: M4

Location: -16, 15.5, 8.7 mm



0 dB = 8.590 V/m = 18.68 dBV/m

#02_HAC_E_LTE Band 48_20M_QPSK_1_0_Ch55830

Communication System: LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 3609 MHz; Duty Cycle: 1:8.8736

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

Ambient Temperature : 23.4 °C

DASY5 Configuration

- Probe: EF3DV3 - SN4062; ConvF(1, 1, 1) @ 3609 MHz; Calibrated: 2020/12/18

- Sensor-Surface: (Fix Surface)

- Electronics: DAE4 Sn854; Calibrated: 2020/5/26

- 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 = 4.979 V/m; Power Drift = -0.17 dB

Applied MIF = -1.44 dB

RF audio interference level = 17.04 dBV/m

Emission category: M4

MIF scaled E-field

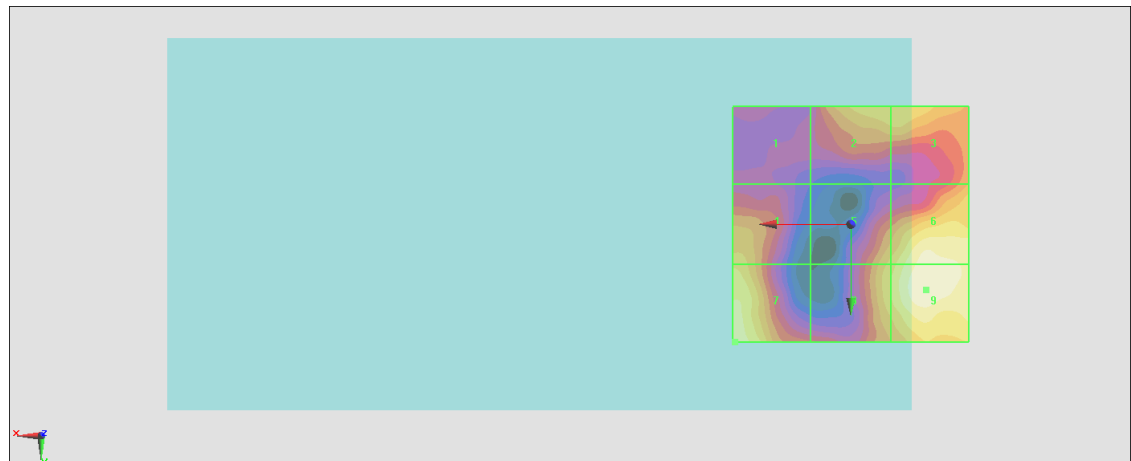
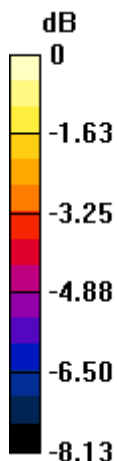
Grid 1 M4 12.73 dBV/m	Grid 2 M4 15.42 dBV/m	Grid 3 M4 15.41 dBV/m
Grid 4 M4 15.3 dBV/m	Grid 5 M4 15.12 dBV/m	Grid 6 M4 16.78 dBV/m
Grid 7 M4 16.21 dBV/m	Grid 8 M4 15.48 dBV/m	Grid 9 M4 17.04 dBV/m

Cursor:

Total = 17.04 dBV/m

E Category: M4

Location: -16, 14, 8.7 mm



0 dB = 7.108 V/m = 17.03 dBV/m

#03_HAC_E_LTE Band 48_20M_QPSK_1_0_Ch56150

Communication System: LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 3641 MHz; Duty Cycle: 1:8.8736

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

Ambient Temperature : 23.4 °C

DASY5 Configuration

- Probe: EF3DV3 - SN4062; ConvF(1, 1, 1) @ 3641 MHz; Calibrated: 2020/12/18
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn854; Calibrated: 2020/5/26
- 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 = 4.809 V/m; Power Drift = -0.13 dB

Applied MIF = -1.44 dB

RF audio interference level = 16.40 dBV/m

Emission category: M4

MIF scaled E-field

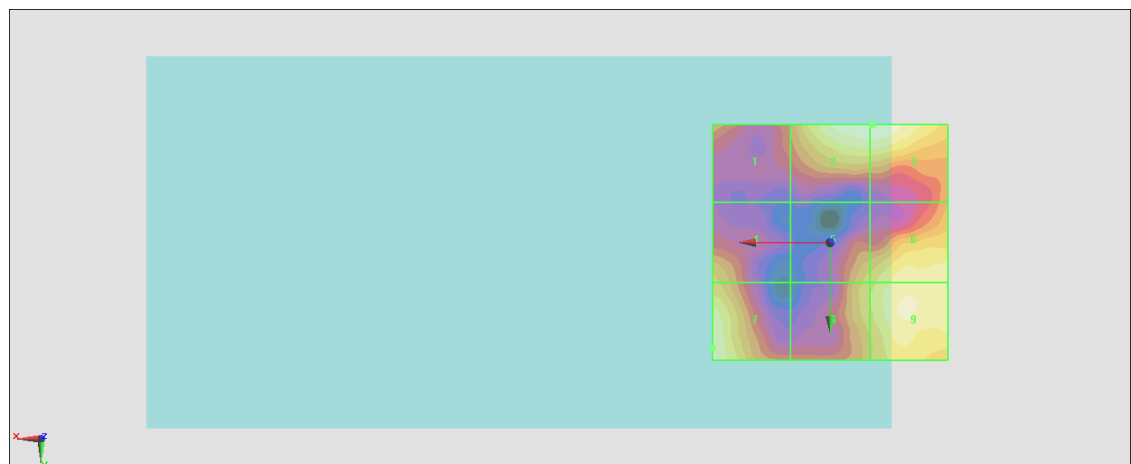
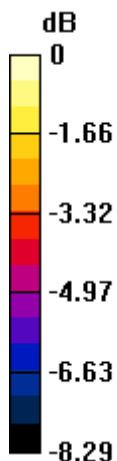
Grid 1 M4 13.77 dBV/m	Grid 2 M4 16.39 dBV/m	Grid 3 M4 16.4 dBV/m
Grid 4 M4 14.32 dBV/m	Grid 5 M4 14.54 dBV/m	Grid 6 M4 15.68 dBV/m
Grid 7 M4 16 dBV/m	Grid 8 M4 14.79 dBV/m	Grid 9 M4 15.97 dBV/m

Cursor:

Total = 16.40 dBV/m

E Category: M4

Location: -9, -25, 8.7 mm



0 dB = 6.609 V/m = 16.40 dBV/m

#04_HAC_E_LTE Band 48_20M_QPSK_1_0_Ch56640

Communication System: UID 10173 - CAG, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 3690 MHz; Duty Cycle: 1:8.8736

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

Ambient Temperature : 23.4 °C

DASY5 Configuration

- Probe: EF3DV3 - SN4062; ConvF(1, 1, 1) @ 3690 MHz; Calibrated: 2020/12/18

- Sensor-Surface: (Fix Surface)

- Electronics: DAE4 Sn854; Calibrated: 2020/5/26

- 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 = 4.588 V/m; Power Drift = -0.16 dB

Applied MIF = -1.44 dB

RF audio interference level = 17.29 dBV/m

Emission category: M4

MIF scaled E-field

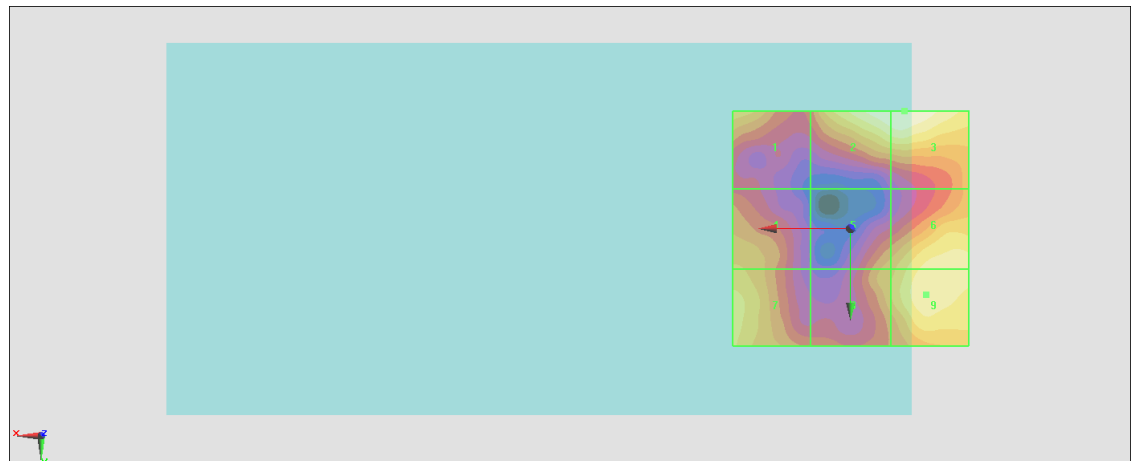
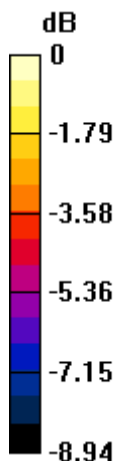
Grid 1 M4 15.42 dBV/m	Grid 2 M4 17.25 dBV/m	Grid 3 M4 17.29 dBV/m
Grid 4 M4 14.98 dBV/m	Grid 5 M4 14.7 dBV/m	Grid 6 M4 16.4 dBV/m
Grid 7 M4 15.82 dBV/m	Grid 8 M4 14.95 dBV/m	Grid 9 M4 16.62 dBV/m

Cursor:

Total = 17.29 dBV/m

E Category: M4

Location: -11.5, -25, 8.7 mm



0 dB = 7.320 V/m = 17.29 dBV/m

#05_HAC_E_WLAN 2.4GHz_802.11g 6Mbps_Ch1;Ant 1

Communication System: IEEE 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 : 23.4 °C

DASY5 Configuration

- Probe: EF3DV3 - SN4062; ConvF(1, 1, 1) @ 2412 MHz; Calibrated: 2020/12/18
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn854; Calibrated: 2020/5/26
- 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 = 24.37 V/m; Power Drift = 0.04 dB

Applied MIF = 0.12 dB

RF audio interference level = 26.00 dBV/m

Emission category: M4

MIF scaled E-field

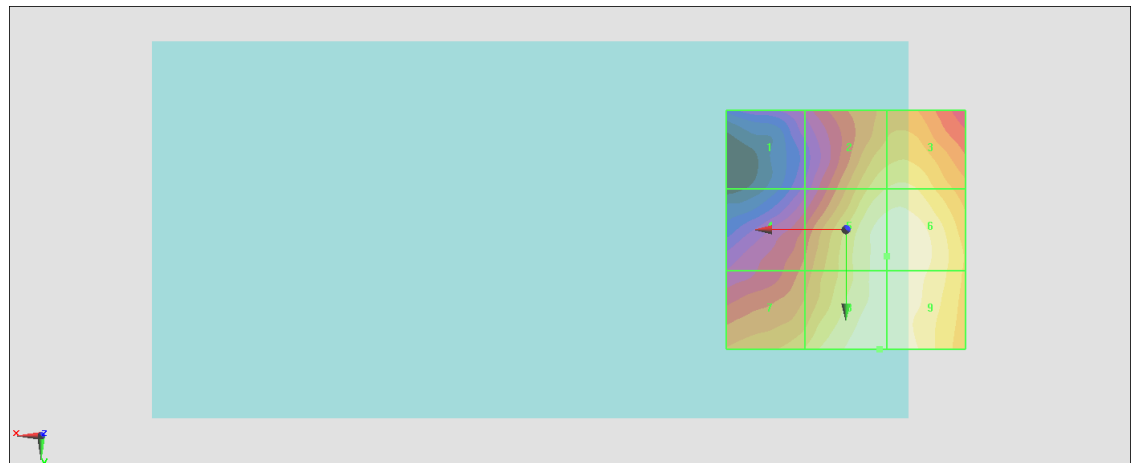
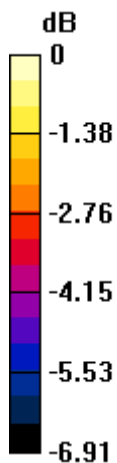
Grid 1 M4 22.09 dBV/m	Grid 2 M4 25.1 dBV/m	Grid 3 M4 25.22 dBV/m
Grid 4 M4 23.44 dBV/m	Grid 5 M4 25.82 dBV/m	Grid 6 M4 25.91 dBV/m
Grid 7 M4 24.68 dBV/m	Grid 8 M4 26 dBV/m	Grid 9 M4 25.97 dBV/m

Cursor:

Total = 26.00 dBV/m

E Category: M4

Location: -7, 25, 8.7 mm



0 dB = 19.95 V/m = 26.00 dBV/m

#06_HAC_E_WLAN 2.4GHz_802.11g 6Mbps_Ch6;Ant 1

Communication System: IEEE 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 : 23.4 °C

DASY5 Configuration

- Probe: EF3DV3 - SN4062; ConvF(1, 1, 1) @ 2437 MHz; Calibrated: 2020/12/18
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn854; Calibrated: 2020/5/26
- 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 = 44.04 V/m; Power Drift = 0.05 dB

Applied MIF = 0.12 dB

RF audio interference level = 31.14 dBV/m

Emission category: M3

MIF scaled E-field

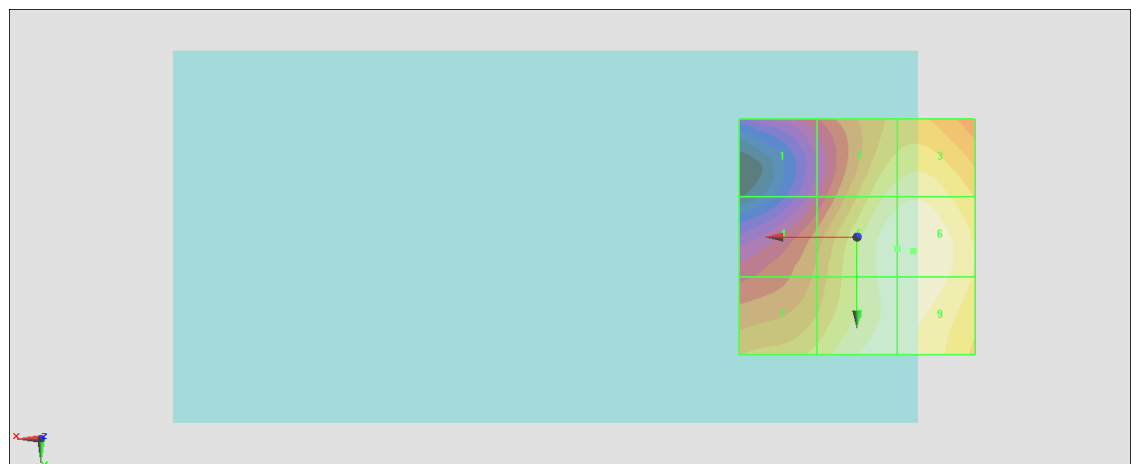
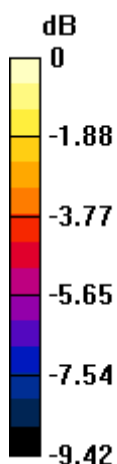
Grid 1 M4 26.73 dBV/m	Grid 2 M3 30.26 dBV/m	Grid 3 M3 30.45 dBV/m
Grid 4 M4 28.2 dBV/m	Grid 5 M3 31.02 dBV/m	Grid 6 M3 31.14 dBV/m
Grid 7 M4 29.52 dBV/m	Grid 8 M3 30.9 dBV/m	Grid 9 M3 30.98 dBV/m

Cursor:

Total = 31.14 dBV/m

E Category: M3

Location: -12, 3, 8.7 mm



0 dB = 36.06 V/m = 31.14 dBV/m

#07_HAC_E_WLAN 2.4GHz_802.11g 6Mbps_Ch11;Ant 1

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 : 23.4 °C

DASY5 Configuration

- Probe: EF3DV3 - SN4062; ConvF(1, 1, 1) @ 2462 MHz; Calibrated: 2020/12/18
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn854; Calibrated: 2020/5/26
- 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 = 25.91 V/m; Power Drift = 0.01 dB

Applied MIF = 0.12 dB

RF audio interference level = 26.33 dBV/m

Emission category: M4

MIF scaled E-field

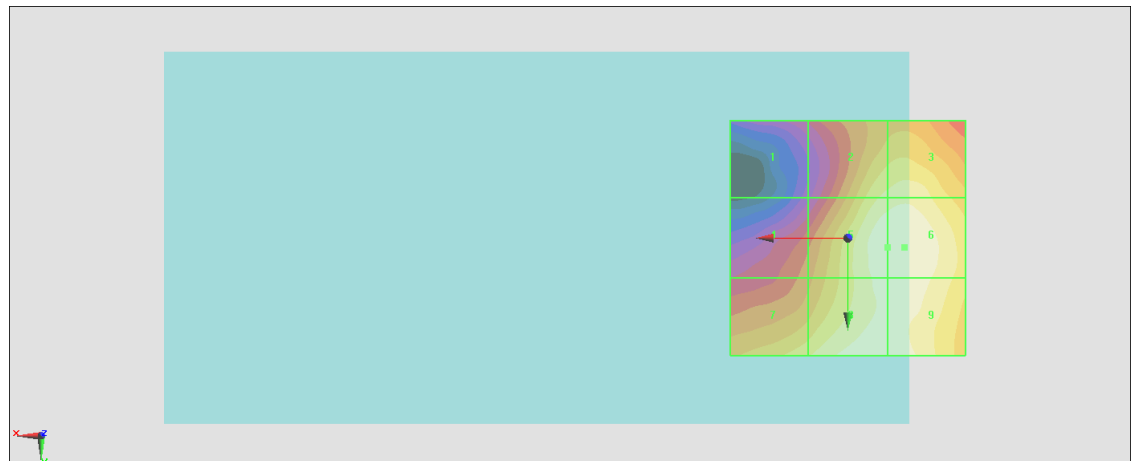
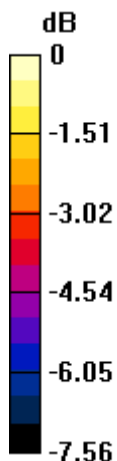
Grid 1 M4 22.45 dBV/m	Grid 2 M4 25.54 dBV/m	Grid 3 M4 25.73 dBV/m
Grid 4 M4 23.64 dBV/m	Grid 5 M4 26.24 dBV/m	Grid 6 M4 26.33 dBV/m
Grid 7 M4 25.29 dBV/m	Grid 8 M4 26.24 dBV/m	Grid 9 M4 26.18 dBV/m

Cursor:

Total = 26.33 dBV/m

E Category: M4

Location: -12, 2, 8.7 mm



0 dB = 20.73 V/m = 26.33 dBV/m

#08_HAC_E_WLAN 5GHz_802.11a 6Mbps_Ch52;Ant 1

Communication System: IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps); Frequency: 5260 MHz; Duty Cycle: 1:11.3789

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

Ambient Temperature : 23.4 °C

DASY5 Configuration

- Probe: EF3DV3 - SN4062; ConvF(1, 1, 1) @ 5260 MHz; Calibrated: 2020/12/18
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn854; Calibrated: 2020/5/26
- 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 = 18.34 V/m; Power Drift = -0.07 dB

Applied MIF = -3.15 dB

RF audio interference level = 23.68 dBV/m

Emission category: M4

MIF scaled E-field

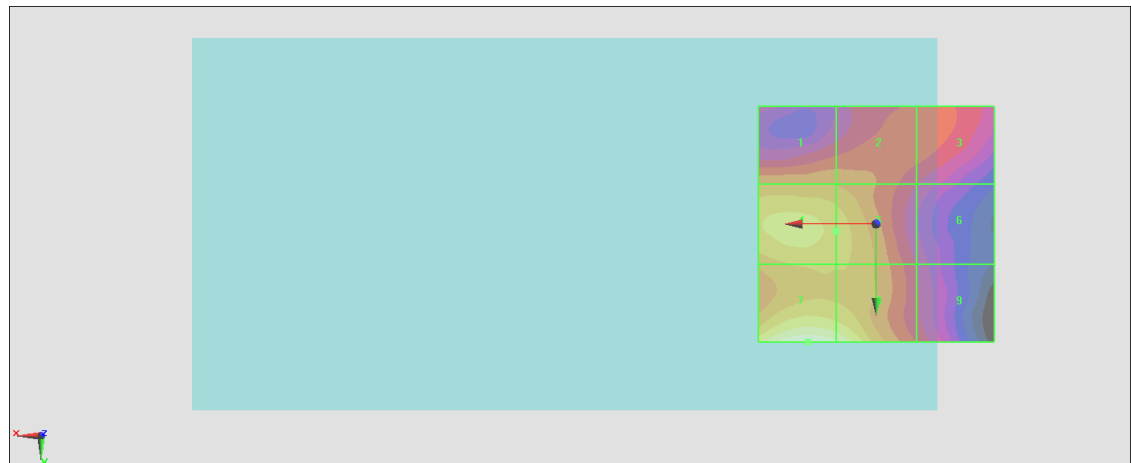
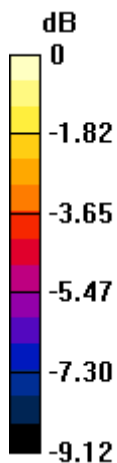
Grid 1 M4 20.68 dBV/m	Grid 2 M4 20.62 dBV/m	Grid 3 M4 19.77 dBV/m
Grid 4 M4 22.1 dBV/m	Grid 5 M4 21.63 dBV/m	Grid 6 M4 18.9 dBV/m
Grid 7 M4 23.68 dBV/m	Grid 8 M4 23.19 dBV/m	Grid 9 M4 19.45 dBV/m

Cursor:

Total = 23.68 dBV/m

E Category: M4

Location: 14.5, 25, 8.7 mm



0 dB = 15.27 V/m = 23.68 dBV/m

#09_HAC_E_WLAN 5GHz_802.11a 6Mbps_Ch56;Ant 1

Communication System: IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps); Frequency: 5280 MHz; Duty Cycle: 1:11.3789

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

Ambient Temperature : 23.4 °C

DASY5 Configuration

- Probe: EF3DV3 - SN4062; ConvF(1, 1, 1) @ 5280 MHz; Calibrated: 2020/12/18
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn854; Calibrated: 2020/5/26
- 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 = 17.93 V/m; Power Drift = -0.06 dB

Applied MIF = -3.15 dB

RF audio interference level = 23.71 dBV/m

Emission category: M4

MIF scaled E-field

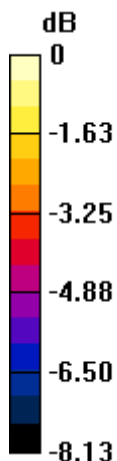
Grid 1 M4 20.89 dBV/m	Grid 2 M4 20.89 dBV/m	Grid 3 M4 19.76 dBV/m
Grid 4 M4 22.3 dBV/m	Grid 5 M4 21.83 dBV/m	Grid 6 M4 18.8 dBV/m
Grid 7 M4 23.71 dBV/m	Grid 8 M4 23.37 dBV/m	Grid 9 M4 19.98 dBV/m

Cursor:

Total = 23.71 dBV/m

E Category: M4

Location: 13.5, 25, 8.7 mm



0 dB = 15.33 V/m = 23.71 dBV/m

#10_HAC_E_WLAN 5GHz_802.11a 6Mbps_Ch60;Ant 1

Communication System: IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps); Frequency: 5300 MHz; Duty Cycle: 1:11.3789

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

Ambient Temperature : 23.4 °C

DASY5 Configuration

- Probe: EF3DV3 - SN4062; ConvF(1, 1, 1) @ 5300 MHz; Calibrated: 2020/12/18
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn854; Calibrated: 2020/5/26
- 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 = 16.84 V/m; Power Drift = -0.13 dB

Applied MIF = -3.15 dB

RF audio interference level = 23.84 dBV/m

Emission category: M4

MIF scaled E-field

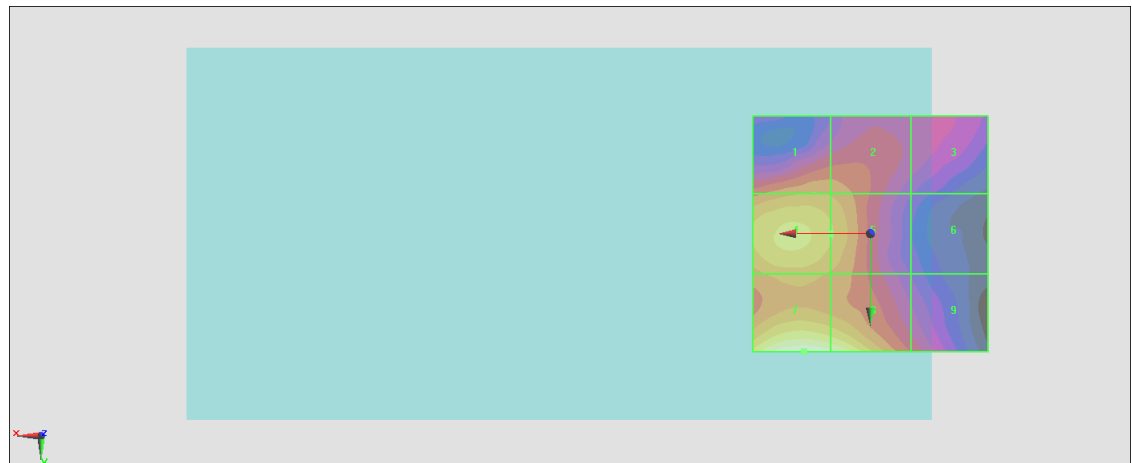
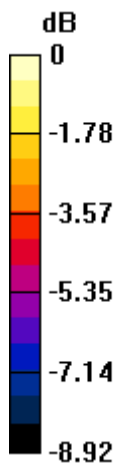
Grid 1 M4 20.93 dBV/m	Grid 2 M4 20.81 dBV/m	Grid 3 M4 19.02 dBV/m
Grid 4 M4 22.23 dBV/m	Grid 5 M4 21.57 dBV/m	Grid 6 M4 18.03 dBV/m
Grid 7 M4 23.84 dBV/m	Grid 8 M4 23.43 dBV/m	Grid 9 M4 19.7 dBV/m

Cursor:

Total = 23.84 dBV/m

E Category: M4

Location: 14, 25, 8.7 mm



0 dB = 15.55 V/m = 23.83 dBV/m

#11_HAC_E_WLAN 5GHz_802.11a 6Mbps_Ch64;Ant 1

Communication System: IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps); Frequency: 5320 MHz; Duty Cycle: 1:11.3789

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

Ambient Temperature : 23.4 °C

DASY5 Configuration

- Probe: EF3DV3 - SN4062; ConvF(1, 1, 1) @ 5320 MHz; Calibrated: 2020/12/18
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn854; Calibrated: 2020/5/26
- 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 = 17.52 V/m; Power Drift = -0.13 dB

Applied MIF = -3.15 dB

RF audio interference level = 24.30 dBV/m

Emission category: M4

MIF scaled E-field

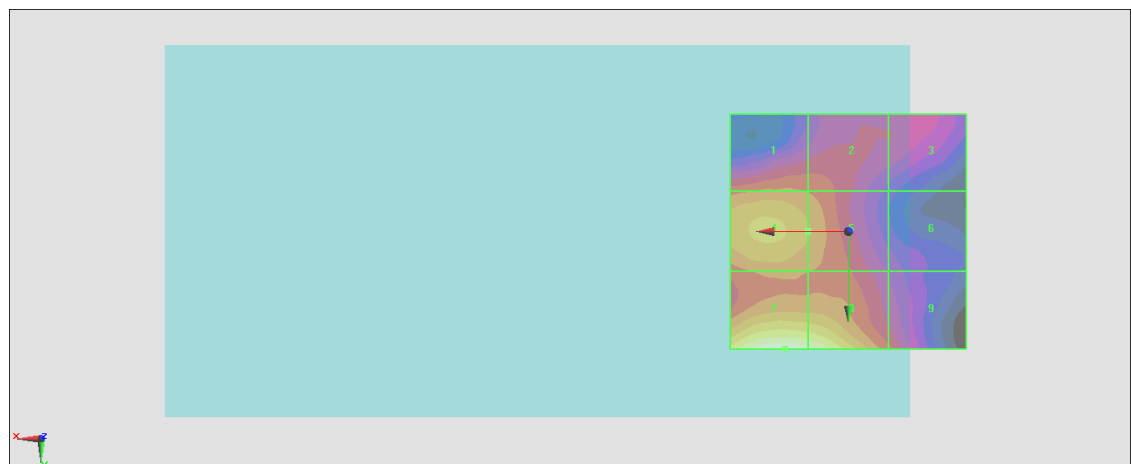
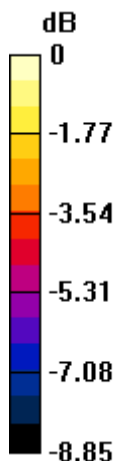
Grid 1 M4 20.94 dBV/m	Grid 2 M4 20.74 dBV/m	Grid 3 M4 19.61 dBV/m
Grid 4 M4 22.09 dBV/m	Grid 5 M4 21.43 dBV/m	Grid 6 M4 18.93 dBV/m
Grid 7 M4 24.3 dBV/m	Grid 8 M4 23.98 dBV/m	Grid 9 M4 20.43 dBV/m

Cursor:

Total = 24.30 dBV/m

E Category: M4

Location: 13.5, 25, 8.7 mm



0 dB = 16.40 V/m = 24.30 dBV/m