

#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 : 23.3 °C

DASY5 Configuration:

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2018/1/19;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn854; Calibrated: 2018/6/14
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

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 = 51.08 V/m; Power Drift = -0.01 dB

Applied MIF = 3.63 dB

RF audio interference level = 35.94 dBV/m

Emission category: M4

MIF scaled E-field

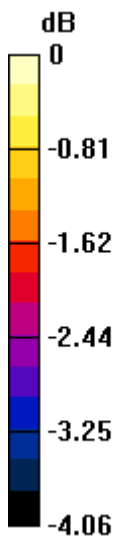
Grid 1 M4 34.37 dBV/m	Grid 2 M4 35.76 dBV/m	Grid 3 M4 35.69 dBV/m
Grid 4 M4 34.61 dBV/m	Grid 5 M4 35.94 dBV/m	Grid 6 M4 35.89 dBV/m
Grid 7 M4 34.67 dBV/m	Grid 8 M4 35.84 dBV/m	Grid 9 M4 35.8 dBV/m

Cursor:

Total = 35.94 dBV/m

E Category: M4

Location: -6, -3, 8.7 mm



0 dB = 62.67 V/m = 35.94 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 : 23.3 °C

DASY5 Configuration:

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2018/1/19;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn854; Calibrated: 2018/6/14
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

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 = 49.85 V/m; Power Drift = -0.05 dB

Applied MIF = 3.63 dB

RF audio interference level = 35.72 dBV/m

Emission category: M4

MIF scaled E-field

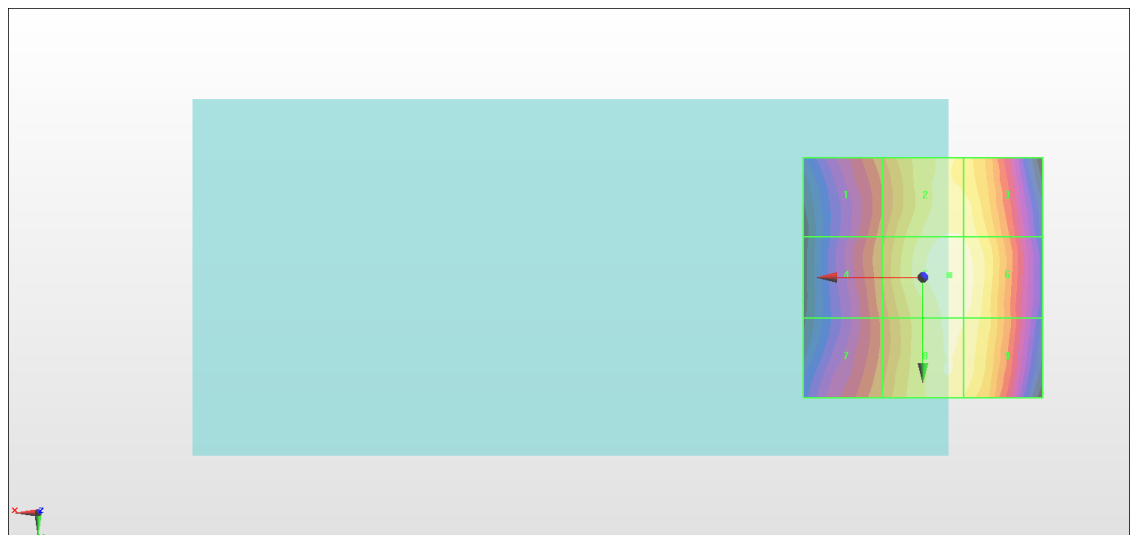
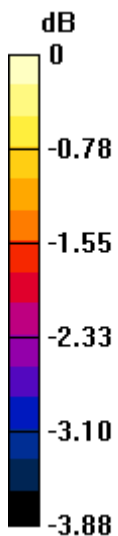
Grid 1 M4 34.38 dBV/m	Grid 2 M4 35.49 dBV/m	Grid 3 M4 35.45 dBV/m
Grid 4 M4 34.44 dBV/m	Grid 5 M4 35.72 dBV/m	Grid 6 M4 35.64 dBV/m
Grid 7 M4 34.47 dBV/m	Grid 8 M4 35.52 dBV/m	Grid 9 M4 35.48 dBV/m

Cursor:

Total = 35.72 dBV/m

E Category: M4

Location: -5.5, -0.5, 8.7 mm



0 dB = 61.10 V/m = 35.72 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 : 23.3 °C

DASY5 Configuration:

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2018/1/19;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn854; Calibrated: 2018/6/14
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

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 = 42.72 V/m; Power Drift = -0.05 dB

Applied MIF = 3.63 dB

RF audio interference level = 34.56 dBV/m

Emission category: M4

MIF scaled E-field

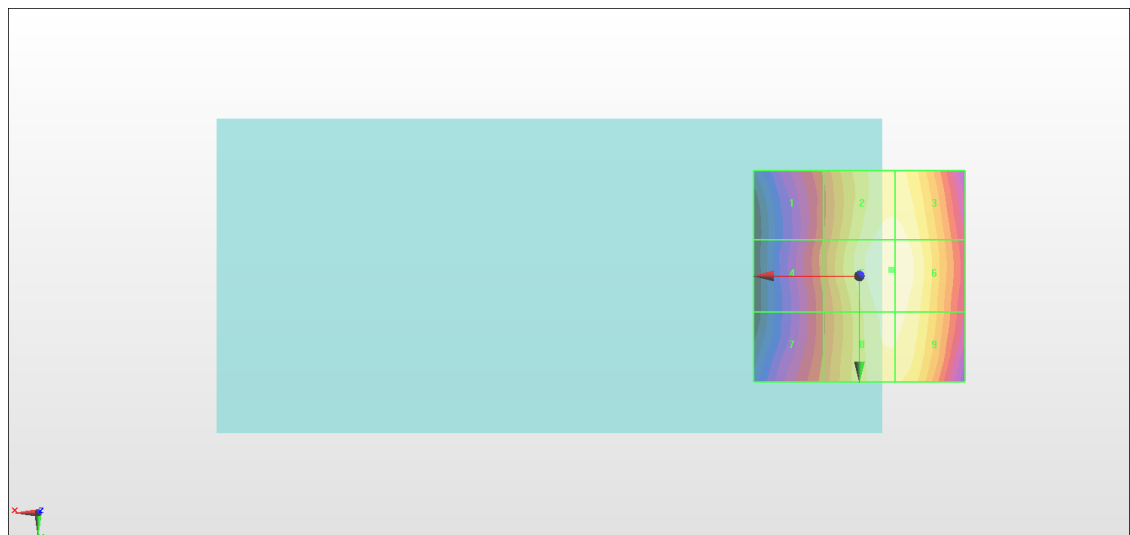
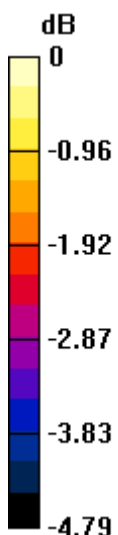
Grid 1 M4 32.73 dBV/m	Grid 2 M4 34.41 dBV/m	Grid 3 M4 34.4 dBV/m
Grid 4 M4 32.83 dBV/m	Grid 5 M4 34.56 dBV/m	Grid 6 M4 34.54 dBV/m
Grid 7 M4 32.79 dBV/m	Grid 8 M4 34.36 dBV/m	Grid 9 M4 34.35 dBV/m

Cursor:

Total = 34.56 dBV/m

E Category: M4

Location: -7.5, -1.5, 8.7 mm



0 dB = 53.45 V/m = 34.56 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 : 23.3 °C

DASY5 Configuration:

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2018/1/19;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn854; Calibrated: 2018/6/14
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

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 = 27.22 V/m; Power Drift = -0.07 dB

Applied MIF = 3.63 dB

RF audio interference level = 31.93 dBV/m

Emission category: M3

MIF scaled E-field

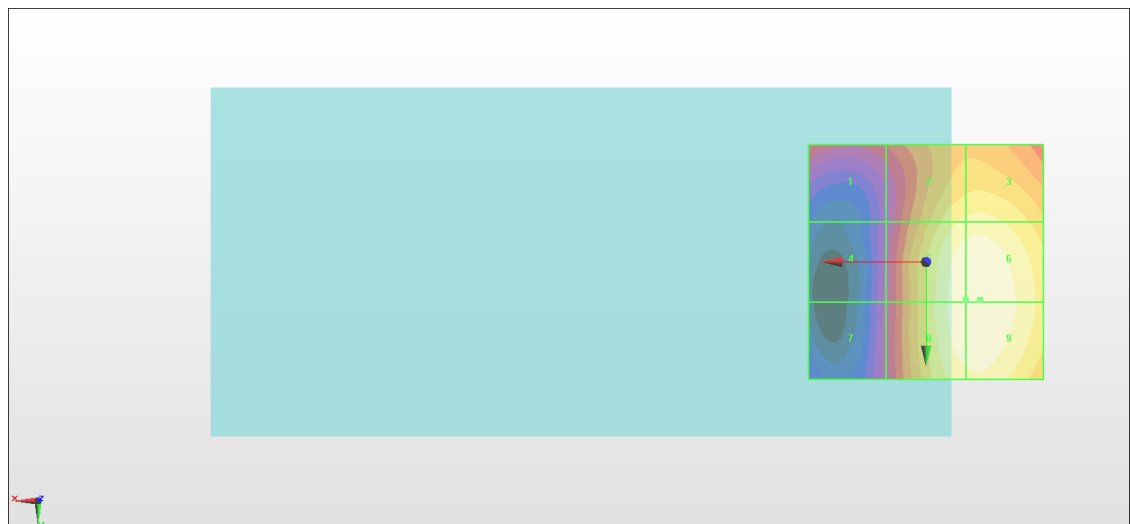
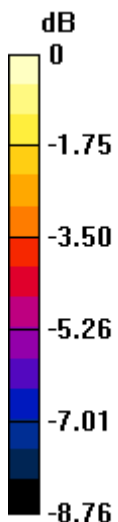
Grid 1 M4 28.11 dBV/m	Grid 2 M3 30.93 dBV/m	Grid 3 M3 31.03 dBV/m
Grid 4 M4 27 dBV/m	Grid 5 M3 31.84 dBV/m	Grid 6 M3 31.93 dBV/m
Grid 7 M4 27.07 dBV/m	Grid 8 M3 31.84 dBV/m	Grid 9 M3 31.93 dBV/m

Cursor:

Total = 31.93 dBV/m

E Category: M3

Location: -11.5, 8, 8.7 mm



0 dB = 39.51 V/m = 31.93 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 : 23.3 °C

DASY5 Configuration:

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2018/1/19;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn854; Calibrated: 2018/6/14
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

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 = 31.44 V/m; Power Drift = -0.00 dB

Applied MIF = 3.63 dB

RF audio interference level = 33.34 dBV/m

Emission category: M3

MIF scaled E-field

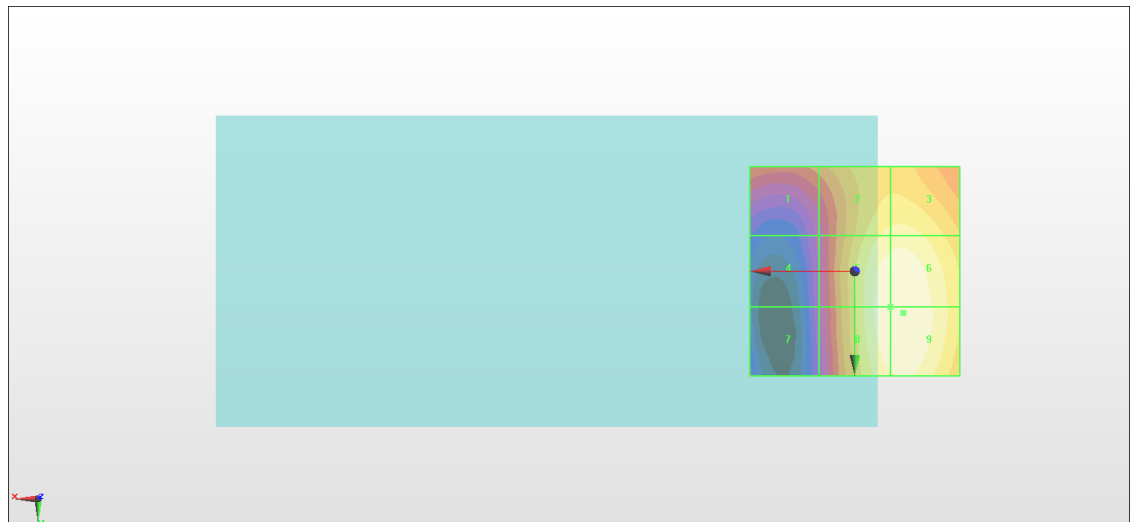
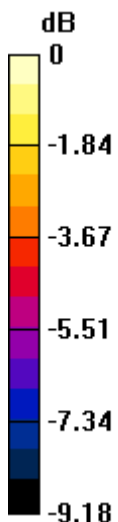
Grid 1 M3 30 dBV/m	Grid 2 M3 32.34 dBV/m	Grid 3 M3 32.41 dBV/m
Grid 4 M4 28.15 dBV/m	Grid 5 M3 33.23 dBV/m	Grid 6 M3 33.33 dBV/m
Grid 7 M4 27.81 dBV/m	Grid 8 M3 33.23 dBV/m	Grid 9 M3 33.34 dBV/m

Cursor:

Total = 33.34 dBV/m

E Category: M3

Location: -11.5, 10, 8.7 mm



0 dB = 46.44 V/m = 33.34 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 : 23.3 °C

DASY5 Configuration:

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2018/1/19;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn854; Calibrated: 2018/6/14
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

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 = 29.32 V/m; Power Drift = 0.03 dB

Applied MIF = 3.63 dB

RF audio interference level = 32.82 dBV/m

Emission category: M3

MIF scaled E-field

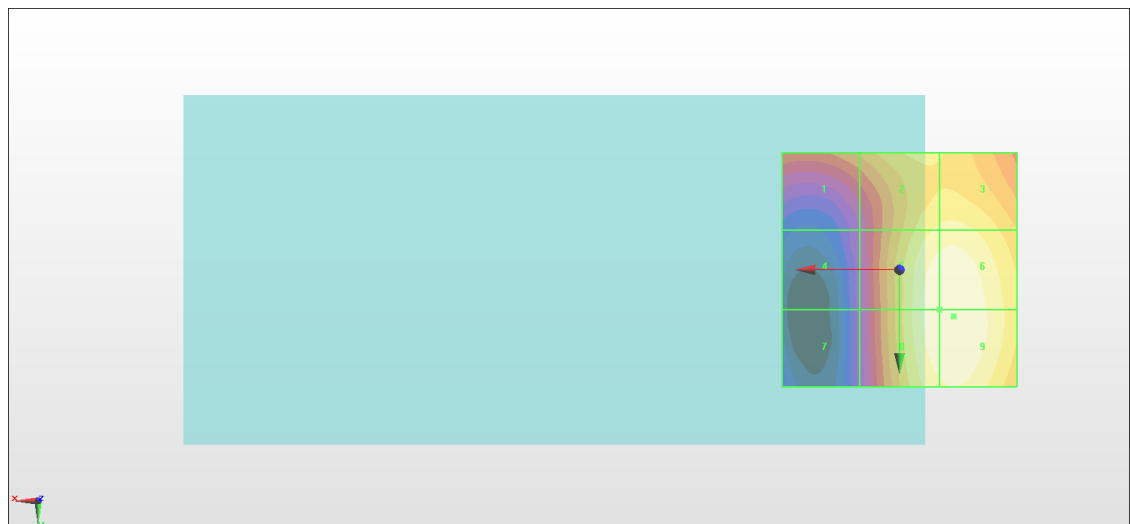
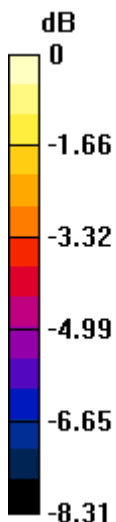
Grid 1 M3 30.23 dBV/m	Grid 2 M3 31.84 dBV/m	Grid 3 M3 31.93 dBV/m
Grid 4 M4 27.93 dBV/m	Grid 5 M3 32.7 dBV/m	Grid 6 M3 32.81 dBV/m
Grid 7 M4 27.59 dBV/m	Grid 8 M3 32.7 dBV/m	Grid 9 M3 32.82 dBV/m

Cursor:

Total = 32.82 dBV/m

E Category: M3

Location: -11.5, 10, 8.7 mm



0 dB = 43.76 V/m = 32.82 dBV/m

#07_HAC_E_LTE Band 41_20M_QPSK_1_0_Ch40140

Communication System: LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK); Frequency: 2545 MHz; Duty Cycle: 1:8.33681

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

Ambient Temperature : 23.3 °C

DASY5 Configuration:

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2018/1/19;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn854; Calibrated: 2018/6/14
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

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 = 10.49 V/m; Power Drift = -0.13 dB

Applied MIF = -1.62 dB

RF audio interference level = 21.72 dBV/m

Emission category: M4

MIF scaled E-field

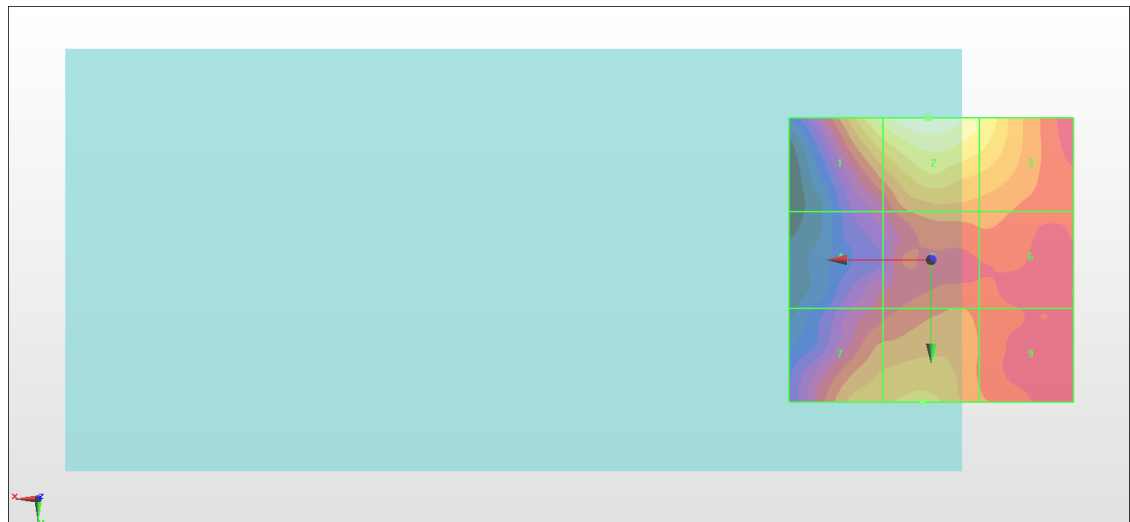
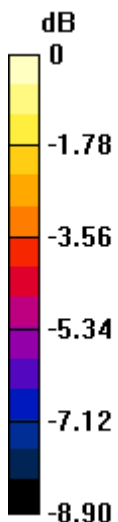
Grid 1 M4 20.9 dBV/m	Grid 2 M4 21.72 dBV/m	Grid 3 M4 20.69 dBV/m
Grid 4 M4 17.3 dBV/m	Grid 5 M4 18.52 dBV/m	Grid 6 M4 18.45 dBV/m
Grid 7 M4 19.2 dBV/m	Grid 8 M4 19.6 dBV/m	Grid 9 M4 18.33 dBV/m

Cursor:

Total = 21.72 dBV/m

E Category: M4

Location: 0.5, -25, 8.7 mm



0 dB = 12.19 V/m = 21.72 dBV/m

#08_HAC_E_LTE Band 41_20M_QPSK_1_0_Ch40440

Communication System: LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK); Frequency: 2571 MHz; Duty Cycle: 1:8.33681

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

Ambient Temperature : 23.3 °C

DASY5 Configuration:

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2018/1/19;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn854; Calibrated: 2018/6/14
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

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 = 9.904 V/m; Power Drift = 0.18 dB

Applied MIF = -1.62 dB

RF audio interference level = 21.80 dBV/m

Emission category: M4

MIF scaled E-field

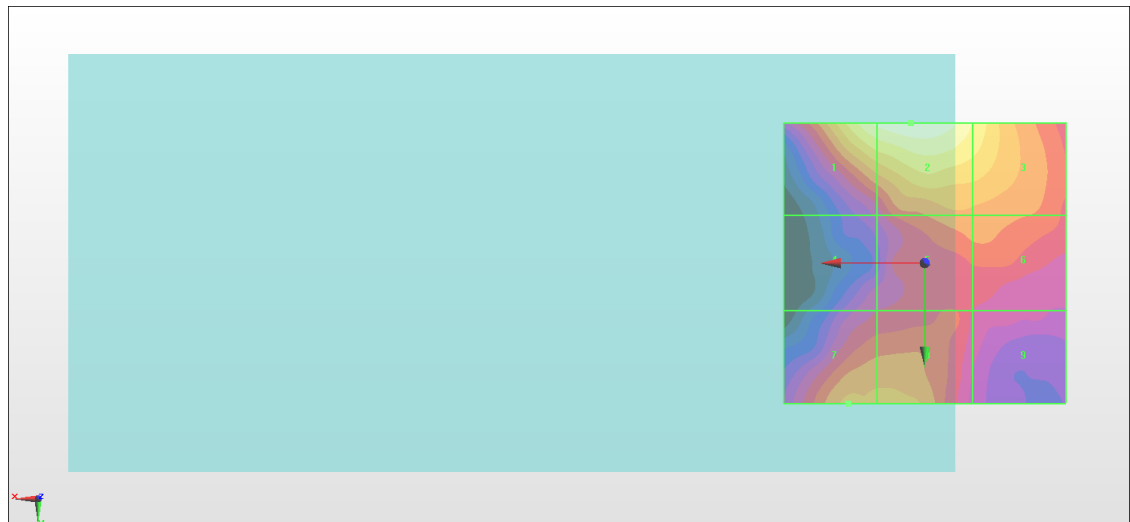
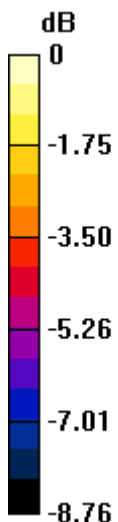
Grid 1 M4 21.42 dBV/m	Grid 2 M4 21.8 dBV/m	Grid 3 M4 20.62 dBV/m
Grid 4 M4 17.15 dBV/m	Grid 5 M4 18.77 dBV/m	Grid 6 M4 18.75 dBV/m
Grid 7 M4 19.05 dBV/m	Grid 8 M4 19.03 dBV/m	Grid 9 M4 17.14 dBV/m

Cursor:

Total = 21.80 dBV/m

E Category: M4

Location: 2.5, -25, 8.7 mm



0 dB = 12.31 V/m = 21.81 dBV/m

#09_HAC_E_LTE Band 41_20M_QPSK_1_0_Ch40670

Communication System: LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK); Frequency: 2598 MHz; Duty Cycle: 1:8.33681

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

Ambient Temperature : 23.3 °C

DASY5 Configuration:

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2018/1/19;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn854; Calibrated: 2018/6/14
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

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 = 9.810 V/m; Power Drift = -0.15 dB

Applied MIF = -1.62 dB

RF audio interference level = 20.86 dBV/m

Emission category: M4

MIF scaled E-field

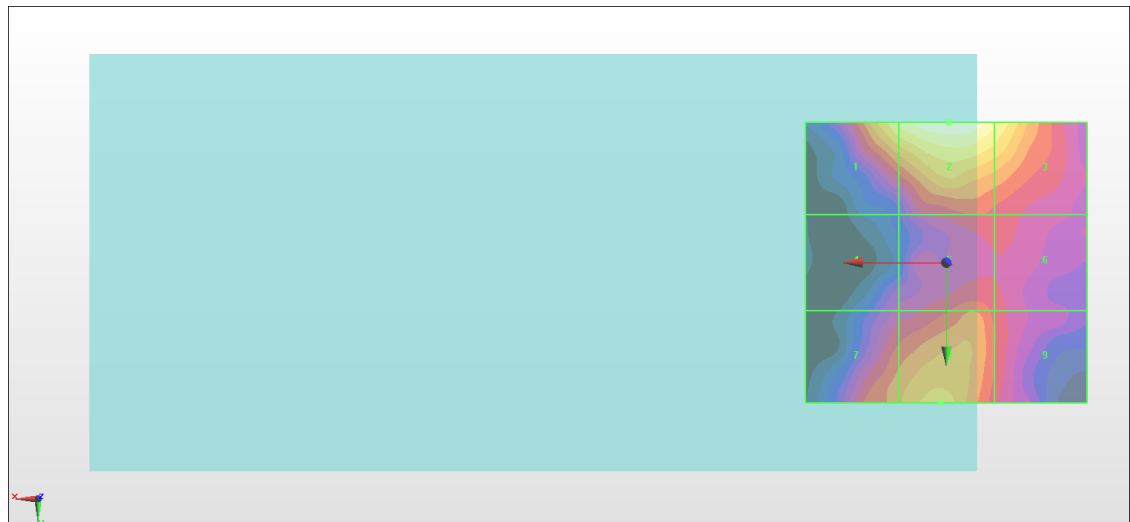
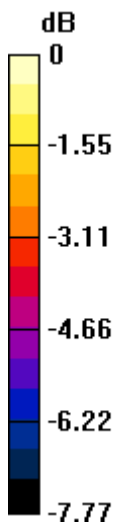
Grid 1 M4 19.98 dBV/m	Grid 2 M4 20.86 dBV/m	Grid 3 M4 20 dBV/m
Grid 4 M4 16.39 dBV/m	Grid 5 M4 17.72 dBV/m	Grid 6 M4 17.11 dBV/m
Grid 7 M4 18.16 dBV/m	Grid 8 M4 19.1 dBV/m	Grid 9 M4 17.31 dBV/m

Cursor:

Total = 20.86 dBV/m

E Category: M4

Location: -0.5, -25, 8.7 mm



0 dB = 11.04 V/m = 20.86 dBV/m

#10_HAC_E_LTE Band 41_20M_QPSK_1_0_Ch41140

Communication System: LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK); Frequency: 2645 MHz; Duty Cycle: 1:8.33681

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

Ambient Temperature : 23.3 °C

DASY5 Configuration:

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2018/1/19;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn854; Calibrated: 2018/6/14
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

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 = 10.63 V/m; Power Drift = 0.01 dB

Applied MIF = -1.62 dB

RF audio interference level = 22.64 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 21.79 dBV/m	Grid 2 M4 22.64 dBV/m	Grid 3 M4 21.75 dBV/m
Grid 4 M4 16.59 dBV/m	Grid 5 M4 19.75 dBV/m	Grid 6 M4 19.64 dBV/m
Grid 7 M4 18.56 dBV/m	Grid 8 M4 20.65 dBV/m	Grid 9 M4 20.14 dBV/m

Cursor:

Total = 22.64 dBV/m

E Category: M4

Location: 0, -25, 8.7 mm

