

01_HAC RF_GSM850_GSM Voice_Ch128_E

Communication System: UID 10021 - DAC, GSM-FDD (TDMA, GMSK); Frequency: 824.2 MHz; Duty Cycle: 1:8.69961

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 - SN4053; ConvF(1, 1, 1); Calibrated: 2021/4/29
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1210; Calibrated: 2021/8/25
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

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 = 50.91 V/m; Power Drift = 0.05 dB

Applied MIF = 3.63 dB

RF audio interference level = 35.34 dBV/m

Emission category: M4

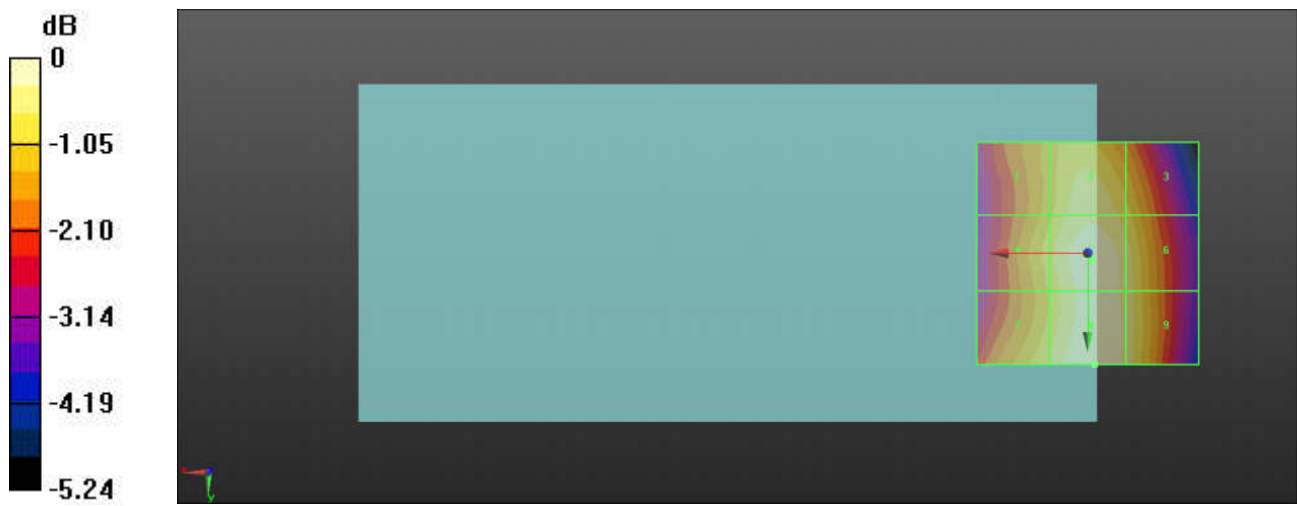
MIF scaled E-field

Grid 1 M4 34.23 dBV/m	Grid 2 M4 34.93 dBV/m	Grid 3 M4 34.47 dBV/m
Grid 4 M4 34.54 dBV/m	Grid 5 M4 35.26 dBV/m	Grid 6 M4 34.86 dBV/m
Grid 7 M4 34.71 dBV/m	Grid 8 M4 35.34 dBV/m	Grid 9 M4 34.91 dBV/m

Total = 35.34 dBV/m

E Category: M4

Location: -1.5, 25, 7.7 mm



0 dB = 58.50 V/m = 35.34 dBV/m

02_HAC RF_GSM850_GSM Voice_Ch189_E

Communication System: UID 10021 - DAC, GSM-FDD (TDMA, GMSK); Frequency: 836.4 MHz; Duty Cycle: 1:8.69961

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 - SN4053; ConvF(1, 1, 1); Calibrated: 2021/4/29
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1210; Calibrated: 2021/8/25
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

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 = 48.84 V/m; Power Drift = 0.05 dB

Applied MIF = 3.63 dB

RF audio interference level = 35.06 dBV/m

Emission category: M4

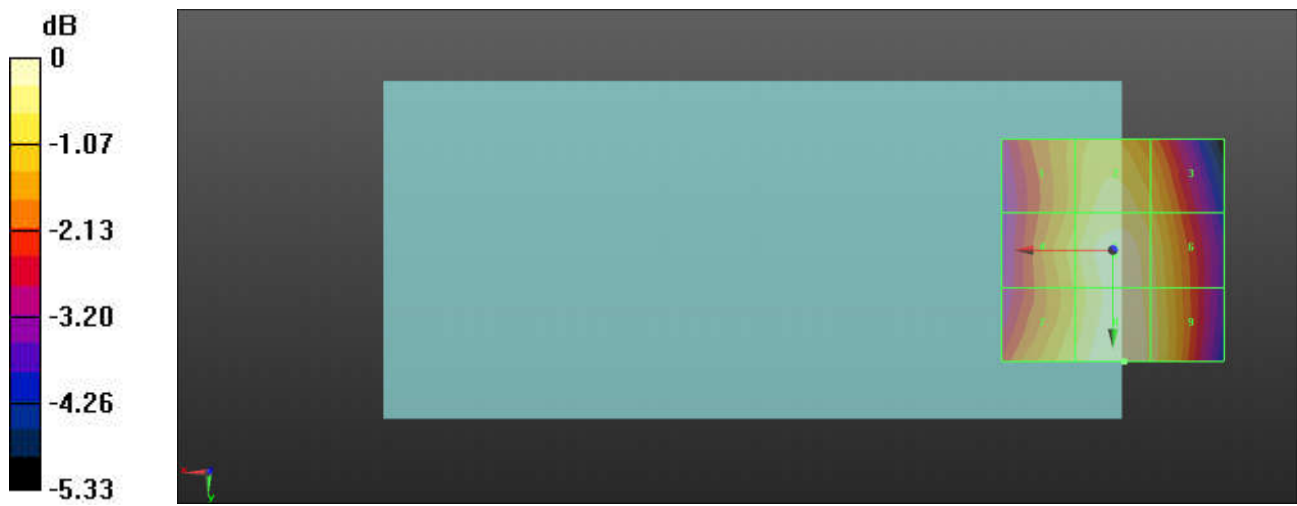
MIF scaled E-field

Grid 1 M4 33.91 dBV/m	Grid 2 M4 34.59 dBV/m	Grid 3 M4 34.12 dBV/m
Grid 4 M4 34.23 dBV/m	Grid 5 M4 34.93 dBV/m	Grid 6 M4 34.51 dBV/m
Grid 7 M4 34.44 dBV/m	Grid 8 M4 35.06 dBV/m	Grid 9 M4 34.61 dBV/m

Total = 35.06 dBV/m

E Category: M4

Location: -2.5, 25, 7.7 mm



0 dB = 56.62 V/m = 35.06 dBV/m

03_HAC RF_GSM850_GSM Voice_Ch251_E

Communication System: UID 10021 - DAC, GSM-FDD (TDMA, GMSK); Frequency: 848.8 MHz; Duty Cycle: 1:8.69961

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

Ambient Temperature : 23.4 °C; Liquid Temperature : 22.4 °C

DASY5 Configuration:

- Probe: EF3DV3 - SN4053; ConvF(1, 1, 1); Calibrated: 2021/4/29
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1210; Calibrated: 2021/8/25
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

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 = 49.99 V/m; Power Drift = 0.02 dB

Applied MIF = 3.63 dB

RF audio interference level = 35.18 dBV/m

Emission category: M4

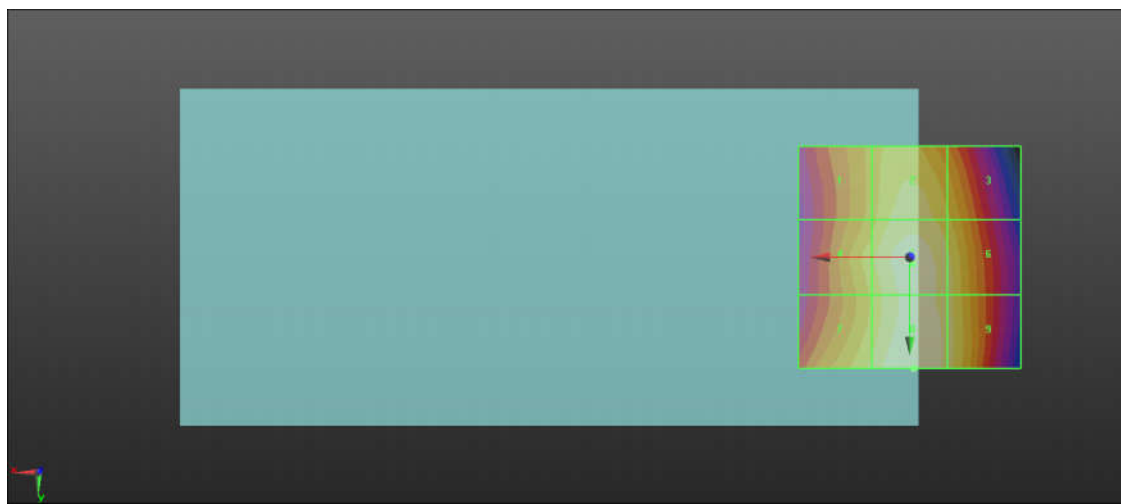
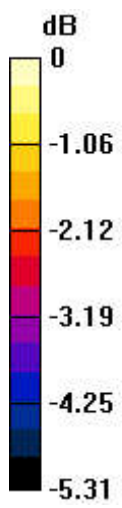
MIF scaled E-field

Grid 1 M4 34 dBV/m	Grid 2 M4 34.69 dBV/m	Grid 3 M4 34.23 dBV/m
Grid 4 M4 34.4 dBV/m	Grid 5 M4 35.03 dBV/m	Grid 6 M4 34.62 dBV/m
Grid 7 M4 34.58 dBV/m	Grid 8 M4 35.18 dBV/m	Grid 9 M4 34.7 dBV/m

Total = 35.18 dBV/m

E Category: M4

Location: -1, 25, 7.7 mm



0 dB = 57.43 V/m = 35.18 dBV/m

04_HAC RF_GSM1900_GSM Voice_Ch512_E

Communication System: UID 10021 - DAC, GSM-FDD (TDMA, GMSK); Frequency: 1850.2 MHz; Duty Cycle: 1:8.69961

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 - SN4053; ConvF(1, 1, 1); Calibrated: 2021/4/29
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1210; Calibrated: 2021/8/25
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

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 = 9.505 V/m; Power Drift = -0.04 dB

Applied MIF = 3.63 dB

RF audio interference level = 28.52 dBV/m

Emission category: M4

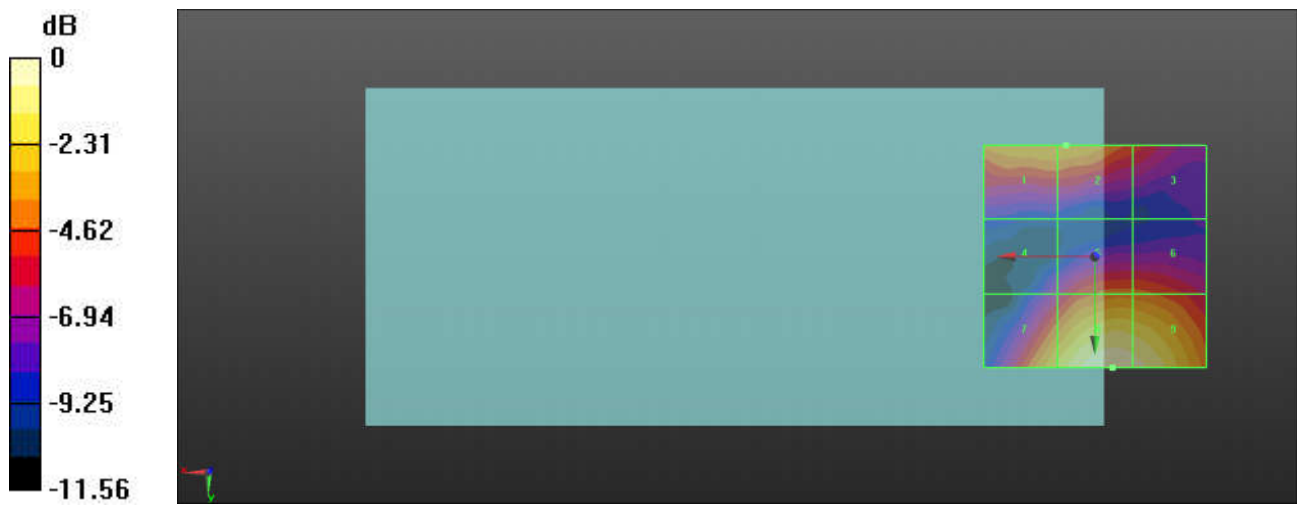
MIF scaled E-field

Grid 1 M4 25.49 dBV/m	Grid 2 M4 25.54 dBV/m	Grid 3 M4 23.62 dBV/m
Grid 4 M4 21.93 dBV/m	Grid 5 M4 24.44 dBV/m	Grid 6 M4 24.33 dBV/m
Grid 7 M4 26.51 dBV/m	Grid 8 M4 28.52 dBV/m	Grid 9 M4 28.16 dBV/m

Total = 28.52 dBV/m

E Category: M4

Location: -4, 25, 7.7 mm



05_HAC RF_GSM1900_GSM Voice_Ch661_E

Communication System: UID 10021 - DAC, GSM-FDD (TDMA, GMSK); Frequency: 1880 MHz; Duty Cycle: 1:8.69961

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 - SN4053; ConvF(1, 1, 1); Calibrated: 2021/4/29
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1210; Calibrated: 2021/8/25
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

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 = 8.271 V/m; Power Drift = -0.01 dB

Applied MIF = 3.63 dB

RF audio interference level = 26.60 dBV/m

Emission category: M4

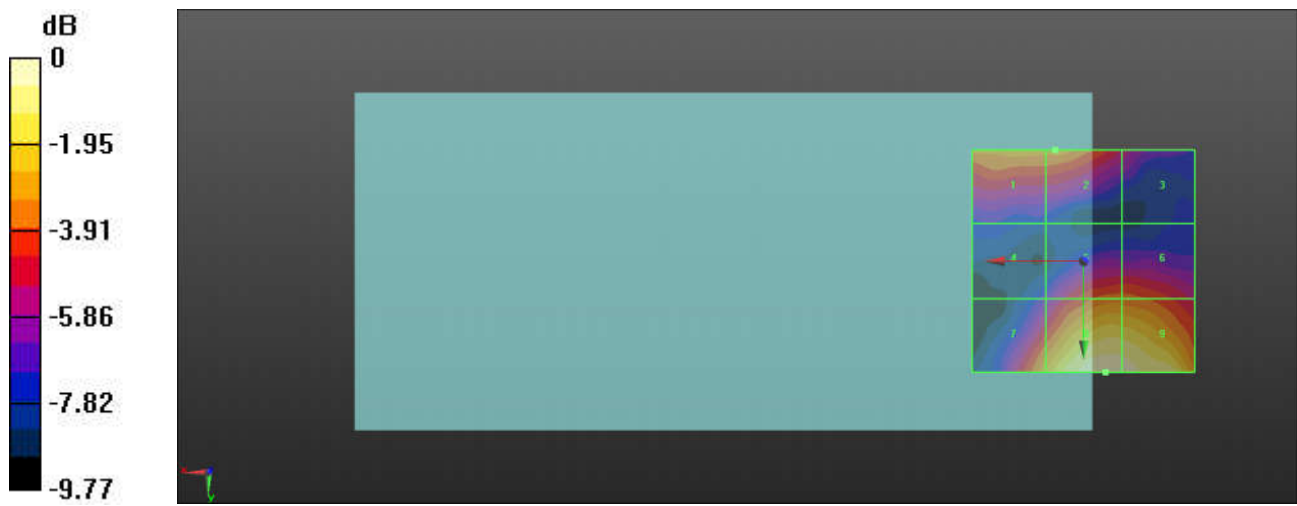
MIF scaled E-field

Grid 1 M4 23.74 dBV/m	Grid 2 M4 23.75 dBV/m	Grid 3 M4 21.34 dBV/m
Grid 4 M4 20 dBV/m	Grid 5 M4 23.07 dBV/m	Grid 6 M4 23.01 dBV/m
Grid 7 M4 24.02 dBV/m	Grid 8 M4 26.6 dBV/m	Grid 9 M4 26.35 dBV/m

Total = 26.60 dBV/m

E Category: M4

Location: -5, 25, 7.7 mm



06_HAC RF_GSM1900_GSM Voice_Ch810_E

Communication System: UID 10021 - DAC, GSM-FDD (TDMA, GMSK); Frequency: 1909.8 MHz; Duty Cycle: 1:8.69961

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 - SN4053; ConvF(1, 1, 1); Calibrated: 2021/4/29
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1210; Calibrated: 2021/8/25
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

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 = 10.90 V/m; Power Drift = -0.03 dB

Applied MIF = 3.63 dB

RF audio interference level = 27.83 dBV/m

Emission category: M4

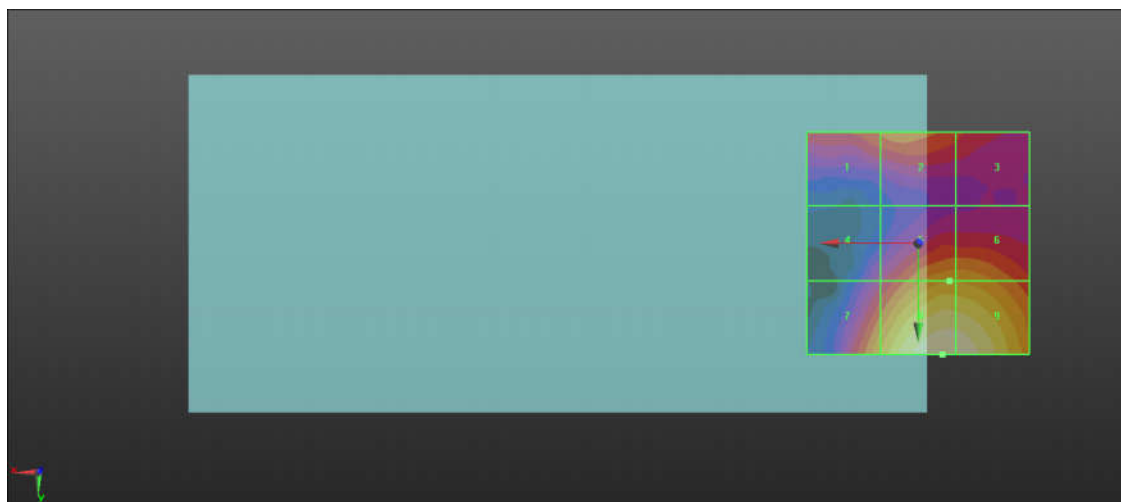
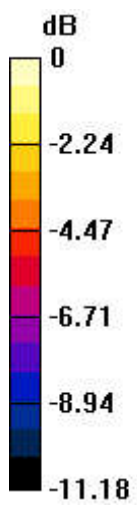
MIF scaled E-field

Grid 1 M4 23.44 dBV/m	Grid 2 M4 23.94 dBV/m	Grid 3 M4 22.88 dBV/m
Grid 4 M4 21.68 dBV/m	Grid 5 M4 24.84 dBV/m	Grid 6 M4 24.81 dBV/m
Grid 7 M4 24.95 dBV/m	Grid 8 M4 27.83 dBV/m	Grid 9 M4 27.67 dBV/m

Total = 27.83 dBV/m

E Category: M4

Location: -5.5, 25, 7.7 mm



0 dB = 24.63 V/m = 27.83 dBV/m

07_HAC RF_LTE Band 48_20M_QPSK_1RB_99Offset_Ch55340_E

Communication System: UID 10173 - CAG, 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 - SN4053; ConvF(1, 1, 1); Calibrated: 2021/4/29

- Sensor-Surface: (Fix Surface)

- Electronics: DAE4 Sn1210; Calibrated: 2021/8/25

- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;

- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Ch55340/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 = 51.92 V/m; Power Drift = 0.01 dB

Applied MIF = -1.44 dB

RF audio interference level = 30.16 dBV/m

Emission category: M3

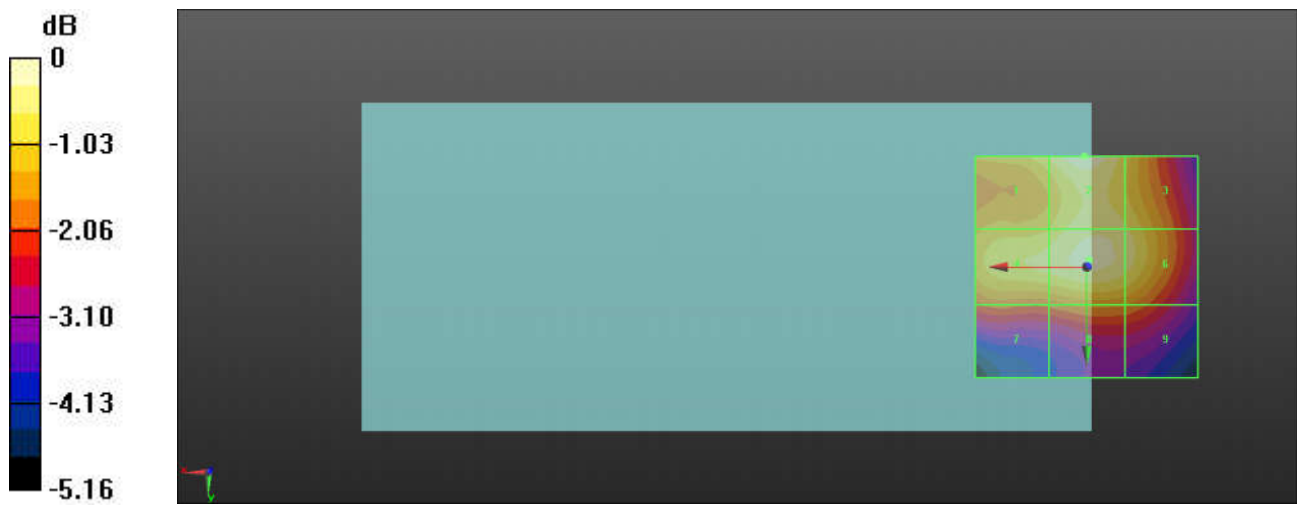
MIF scaled E-field

Grid 1 M4 29.56 dBV/m	Grid 2 M3 30.16 dBV/m	Grid 3 M4 29.54 dBV/m
Grid 4 M4 29.65 dBV/m	Grid 5 M4 29.97 dBV/m	Grid 6 M4 29.7 dBV/m
Grid 7 M4 28.28 dBV/m	Grid 8 M4 28.59 dBV/m	Grid 9 M4 28.49 dBV/m

Total = 30.16 dBV/m

E Category: M3

Location: 0.5, -25, 7.7 mm



0 dB = 32.22 V/m = 30.16 dBV/m

08_HAC RF_LTE Band 48_20M_QPSK_1RB_99Offset_Ch55830_E

Communication System: UID 10173 - CAG, 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 - SN4053; ConvF(1, 1, 1); Calibrated: 2021/4/29

- Sensor-Surface: (Fix Surface)

- Electronics: DAE4 Sn1210; Calibrated: 2021/8/25

- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;

- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Ch55830/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 = 53.93 V/m; Power Drift = -0.01 dB

Applied MIF = -1.44 dB

RF audio interference level = 30.53 dBV/m

Emission category: M3

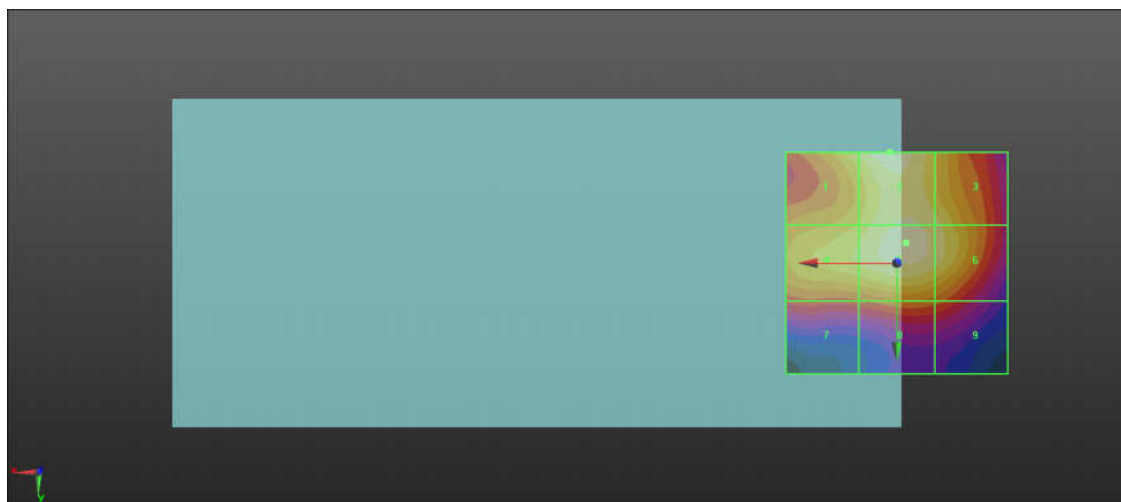
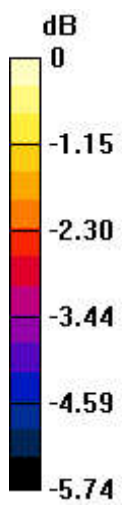
MIF scaled E-field

Grid 1 M4 29.9 dBV/m	Grid 2 M3 30.53 dBV/m	Grid 3 M4 29.94 dBV/m
Grid 4 M4 29.86 dBV/m	Grid 5 M3 30.34 dBV/m	Grid 6 M3 30.03 dBV/m
Grid 7 M4 28.19 dBV/m	Grid 8 M4 28.63 dBV/m	Grid 9 M4 28.43 dBV/m

Total = 30.53 dBV/m

E Category: M3

Location: 1.5, -25, 7.7 mm



0 dB = 33.62 V/m = 30.53 dBV/m

09_HAC RF_LTE Band 48_20M_QPSK_1RB_99Offset_Ch56150_E

Communication System: UID 10173 - CAG, 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 - SN4053; ConvF(1, 1, 1); Calibrated: 2021/4/29

- Sensor-Surface: (Fix Surface)

- Electronics: DAE4 Sn1210; Calibrated: 2021/8/25

- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;

- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Ch56150/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 = 46.80 V/m; Power Drift = -0.08 dB

Applied MIF = -1.44 dB

RF audio interference level = 29.14 dBV/m

Emission category: M4

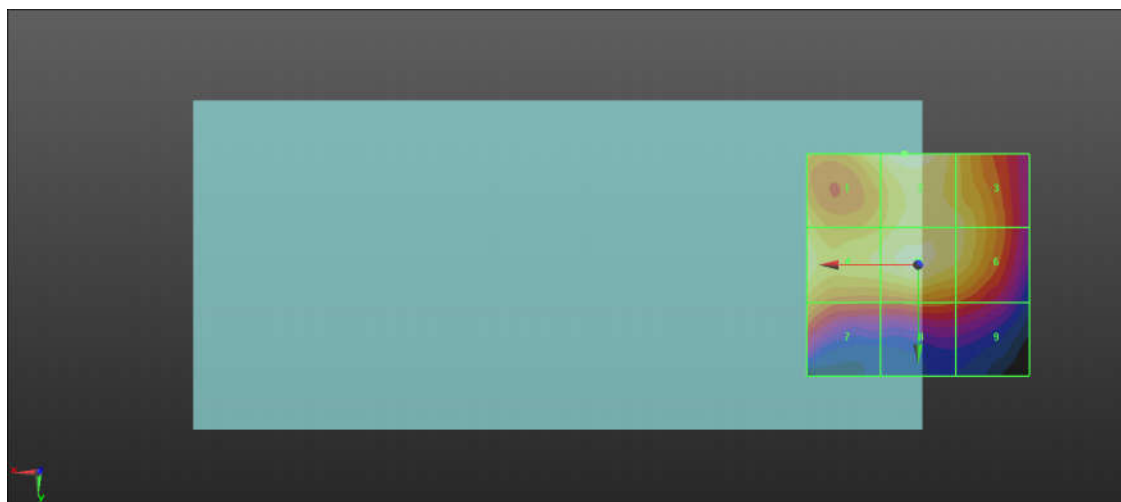
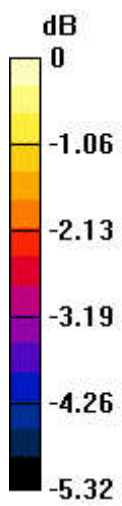
MIF scaled E-field

Grid 1 M4 28.7 dBV/m	Grid 2 M4 29.14 dBV/m	Grid 3 M4 28.6 dBV/m
Grid 4 M4 28.76 dBV/m	Grid 5 M4 28.97 dBV/m	Grid 6 M4 28.62 dBV/m
Grid 7 M4 27.94 dBV/m	Grid 8 M4 27.24 dBV/m	Grid 9 M4 27.01 dBV/m

Total = 29.14 dBV/m

E Category: M4

Location: 3, -25, 7.7 mm



0 dB = 28.64 V/m = 29.14 dBV/m

10_HAC RF_LTE Band 48_20M_QPSK_1RB_99Offset_Ch56640_E

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 - SN4053; ConvF(1, 1, 1); Calibrated: 2021/4/29

- Sensor-Surface: (Fix Surface)

- Electronics: DAE4 Sn1210; Calibrated: 2021/8/25

- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;

- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Ch56640/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 = 42.93 V/m; Power Drift = 0.17 dB

Applied MIF = -1.44 dB

RF audio interference level = 28.93 dBV/m

Emission category: M4

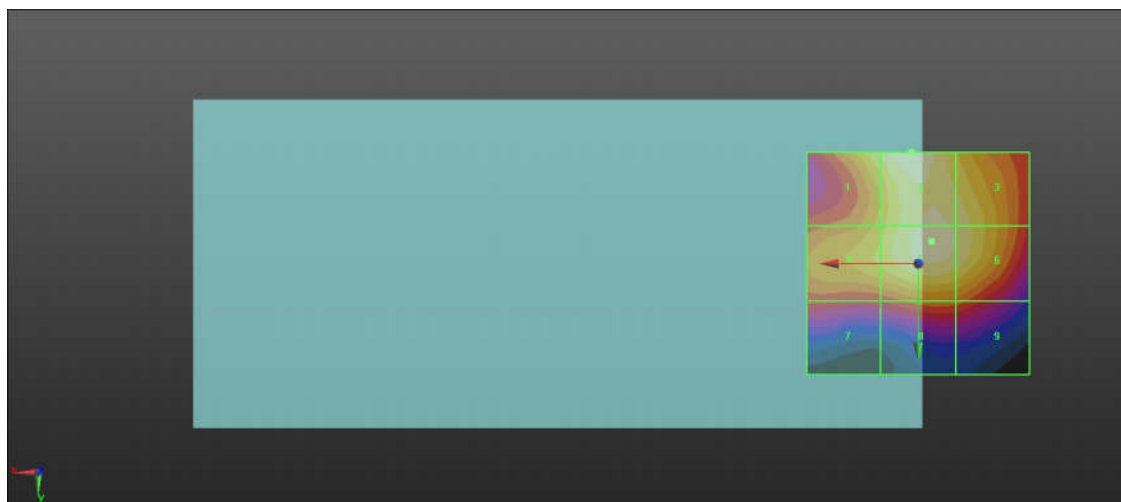
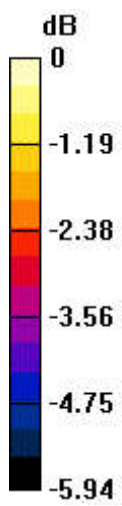
MIF scaled E-field

Grid 1 M4 28.3 dBV/m	Grid 2 M4 28.93 dBV/m	Grid 3 M4 28.45 dBV/m
Grid 4 M4 27.88 dBV/m	Grid 5 M4 28.72 dBV/m	Grid 6 M4 28.54 dBV/m
Grid 7 M4 26.29 dBV/m	Grid 8 M4 26.88 dBV/m	Grid 9 M4 26.75 dBV/m

Total = 28.93 dBV/m

E Category: M4

Location: 1.5, -25, 7.7 mm



0 dB = 27.96 V/m = 28.93 dBV/m

11_HAC RF_WLAN 2.4G_802.11g 6Mbps_Ch1_E

Communication System: UID 10077 - CAB, 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 - SN4053; ConvF(1, 1, 1); Calibrated: 2021/4/29

- Sensor-Surface: (Fix Surface)

- Electronics: DAE4 Sn1210; Calibrated: 2021/8/25

- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;

- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Ch1/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 = 41.43 V/m; Power Drift = 0.05 dB

Applied MIF = 0.12 dB

RF audio interference level = 31.66 dBV/m

Emission category: M3

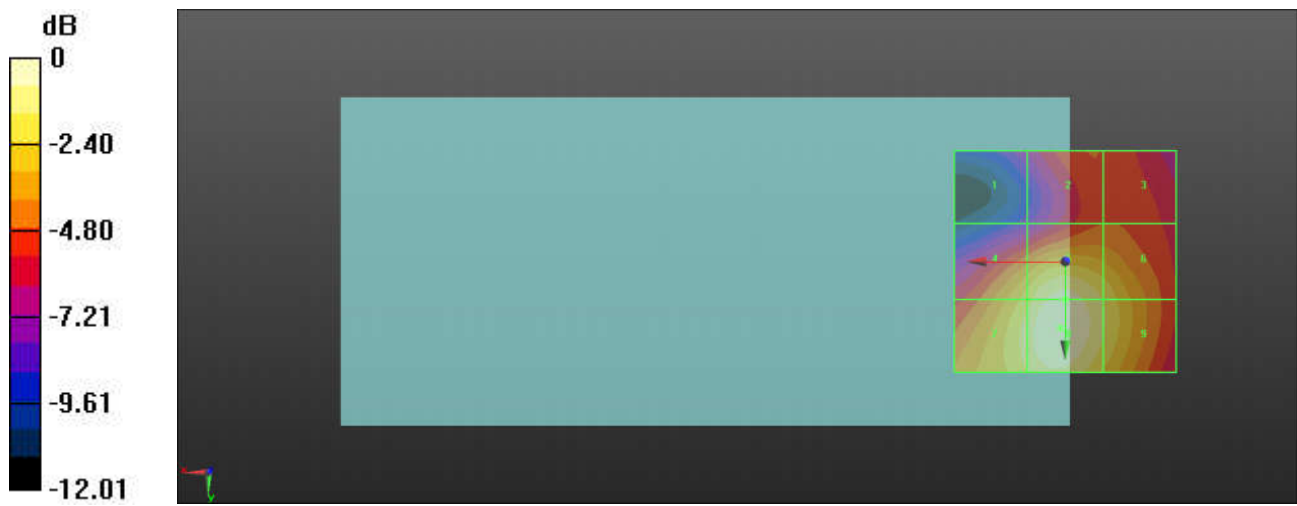
MIF scaled E-field

Grid 1 M4 24.6 dBV/m	Grid 2 M4 26.91 dBV/m	Grid 3 M4 26.9 dBV/m
Grid 4 M4 29.73 dBV/m	Grid 5 M3 31.2 dBV/m	Grid 6 M4 29.99 dBV/m
Grid 7 M3 30.51 dBV/m	Grid 8 M3 31.66 dBV/m	Grid 9 M3 30.2 dBV/m

Total = 31.66 dBV/m

E Category: M3

Location: 1, 15, 7.7 mm



12_HAC RF_WLAN 2.4G_802.11g 6Mbps_Ch6_E

Communication System: UID 10077 - CAB, 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 - SN4053; ConvF(1, 1, 1); Calibrated: 2021/4/29

- Sensor-Surface: (Fix Surface)

- Electronics: DAE4 Sn1210; Calibrated: 2021/8/25

- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;

- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Ch6/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 = 42.68 V/m; Power Drift = 0.01 dB

Applied MIF = 0.12 dB

RF audio interference level = 32.12 dBV/m

Emission category: M3

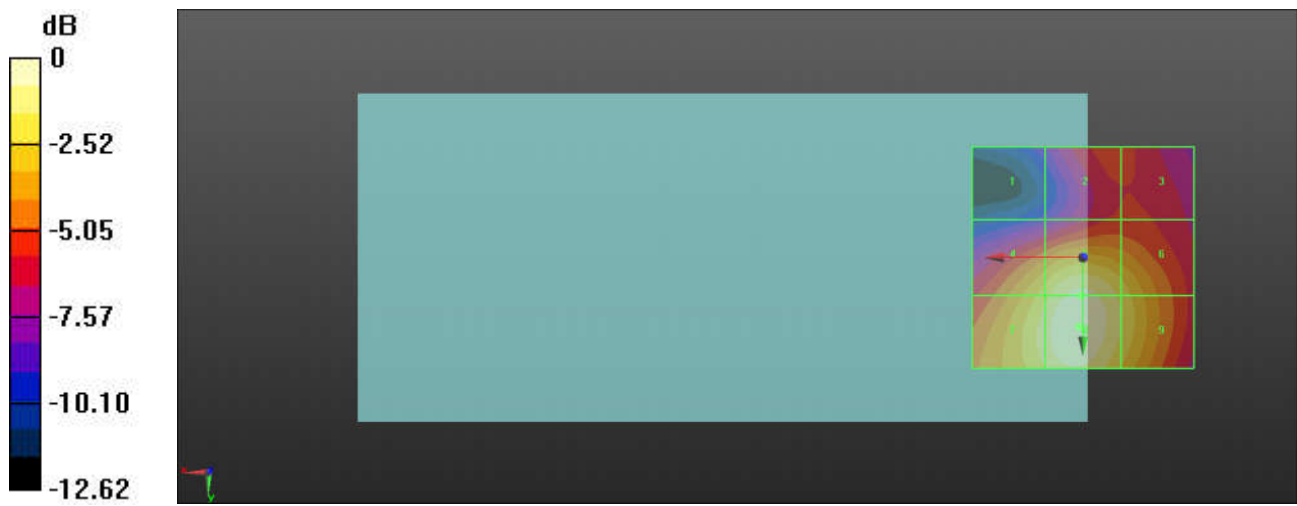
MIF scaled E-field

Grid 1 M4 23.77 dBV/m	Grid 2 M4 26.55 dBV/m	Grid 3 M4 26.54 dBV/m
Grid 4 M3 30.13 dBV/m	Grid 5 M3 31.57 dBV/m	Grid 6 M3 30.21 dBV/m
Grid 7 M3 30.95 dBV/m	Grid 8 M3 32.12 dBV/m	Grid 9 M3 30.5 dBV/m

Total = 32.12 dBV/m

E Category: M3

Location: 1, 15.5, 7.7 mm



0 dB = 40.37 V/m = 32.12 dBV/m

13_HAC RF_WLAN 2.4G_802.11g 6Mbps_Ch11_E

Communication System: UID 10077 - CAB, 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 - SN4053; ConvF(1, 1, 1); Calibrated: 2021/4/29

- Sensor-Surface: (Fix Surface)

- Electronics: DAE4 Sn1210; Calibrated: 2021/8/25

- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;

- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Ch11/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 = 44.22 V/m; Power Drift = -0.05 dB

Applied MIF = 0.12 dB

RF audio interference level = 32.62 dBV/m

Emission category: M3

MIF scaled E-field

Grid 1 M4 23.86 dBV/m	Grid 2 M4 26.83 dBV/m	Grid 3 M4 26.86 dBV/m
Grid 4 M3 30.44 dBV/m	Grid 5 M3 31.97 dBV/m	Grid 6 M3 30.61 dBV/m
Grid 7 M3 31.34 dBV/m	Grid 8 M3 32.62 dBV/m	Grid 9 M3 30.93 dBV/m

Total = 32.62 dBV/m

E Category: M3

Location: 1, 16, 7.7 mm

