#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, $\varepsilon_r = 1$; $\rho = 0$ kg/m^3

Ambient Temperature：23.5 ℃

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 = 50.49 V/m; Power Drift = -0.11 dB

Applied MIF = 3.63 dB

RF audio interference level = 35.30 dBV/m
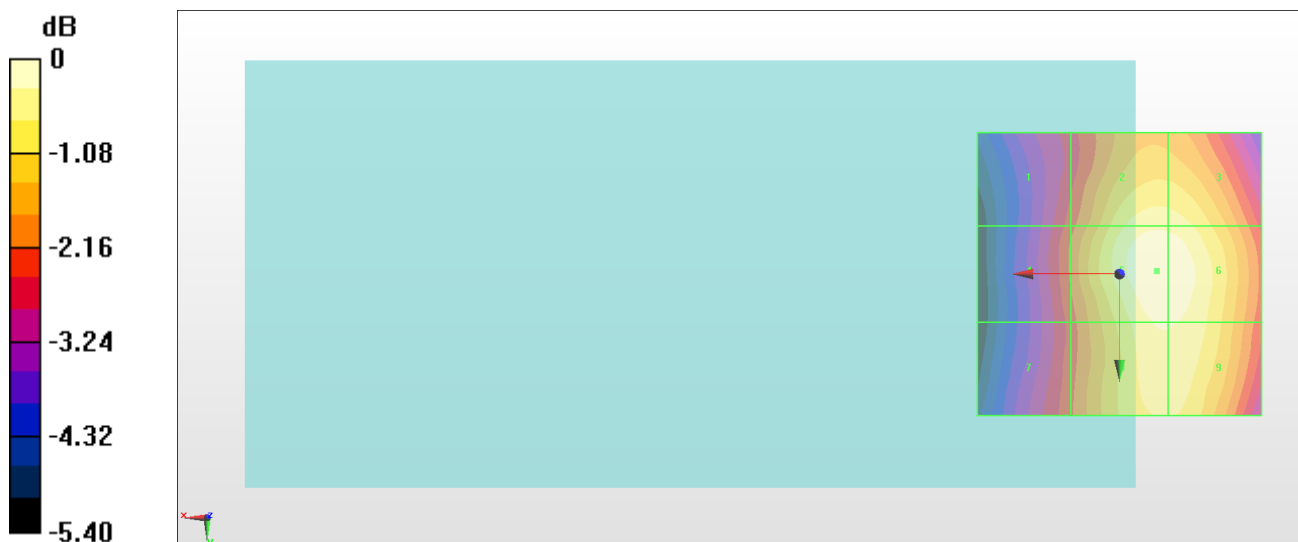
Emission category: M4

MIF scaled E-field

Grid 1 **M4** **33.02 dBV/m**	Grid 2 **M4** **34.88 dBV/m**	Grid 3 **M4** **34.85 dBV/m**
Grid 4 **M4** **33.25 dBV/m**	Grid 5 **M4** **35.3 dBV/m**	Grid 6 **M4** **35.25 dBV/m**
Grid 7 **M4** **33.12 dBV/m**	Grid 8 **M4** **34.99 dBV/m**	Grid 9 **M4** **34.98 dBV/m**

Cursor:
Total = 35.30 dBV/m
E Category: M4
Location: -6.5, -0.5, 8.7 mm

0 dB = 58.24 V/m = 35.30 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, $\varepsilon_r = 1$; $\rho = 0$ kg/m^3

Ambient Temperature：23.5 ℃

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 = 52.51 V/m; Power Drift = -0.04 dB

Applied MIF = 3.63 dB

RF audio interference level = 35.72 dBV/m

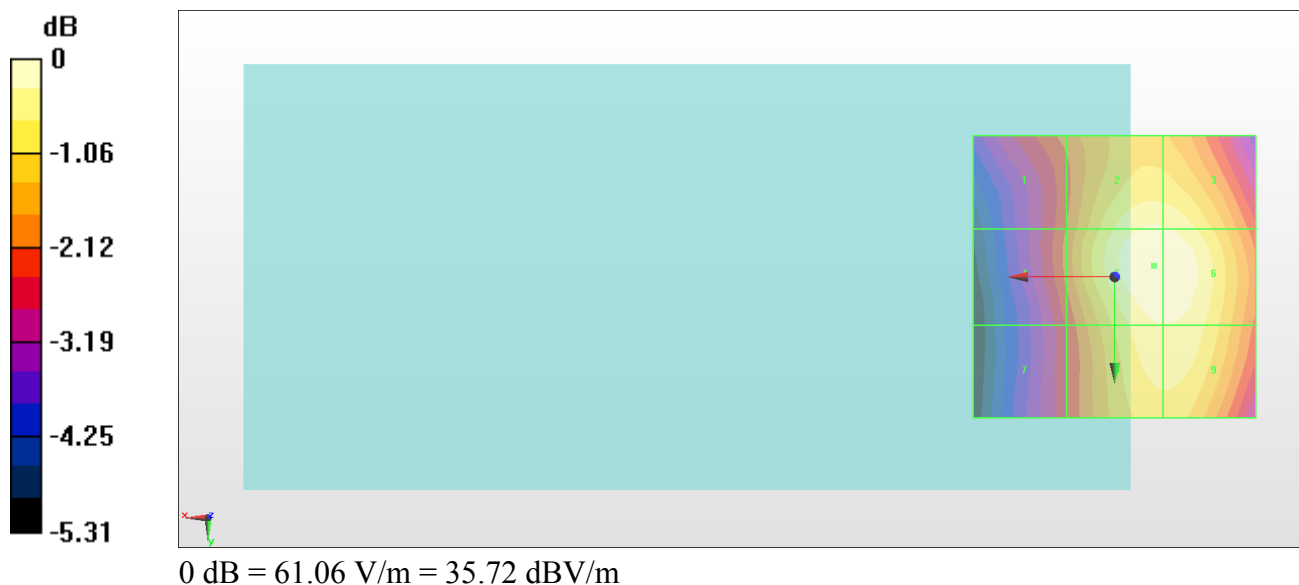**Emission category: M4**

MIF scaled E-field

Grid 1 **M4** **33.76 dBV/m**	Grid 2 **M4** **35.42 dBV/m**	Grid 3 **M4** **35.4 dBV/m**
Grid 4 **M4** **33.75 dBV/m**	Grid 5 **M4** **35.72 dBV/m**	Grid 6 **M4** **35.7 dBV/m**
Grid 7 **M4** **33.3 dBV/m**	Grid 8 **M4** **35.35 dBV/m**	Grid 9 **M4** **35.35 dBV/m**

Cursor:
Total = 35.72 dBV/m
E Category: M4
Location: -7, -2, 8.7 mm

0 dB = 61.06 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, $\varepsilon_r = 1$; $\rho = 0$ kg/m^3

Ambient Temperature：23.5 ℃

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 = 49.86 V/m; Power Drift = -0.03 dB

Applied MIF = 3.63 dB

RF audio interference level = 35.34 dBV/m

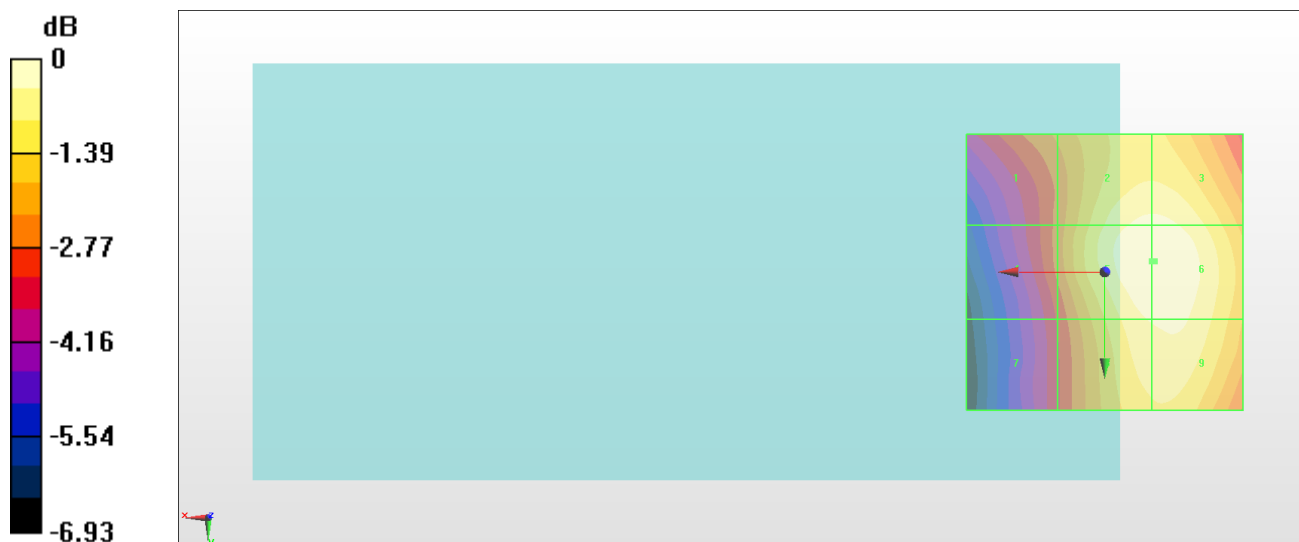**Emission category: M4**

MIF scaled E-field

Grid 1 **M4** **33.16 dBV/m**	Grid 2 **M4** **35.04 dBV/m**	Grid 3 **M4** **35.04 dBV/m**
Grid 4 **M4** **32.81 dBV/m**	Grid 5 **M4** **35.34 dBV/m**	Grid 6 **M4** **35.34 dBV/m**
Grid 7 **M4** **32.2 dBV/m**	Grid 8 **M4** **34.92 dBV/m**	Grid 9 **M4** **34.98 dBV/m**

Cursor:
Total = 35.34 dBV/m
E Category: M4
Location: -9, -2, 8.7 mm

0 dB = 58.49 V/m = 35.34 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, $\varepsilon_r = 1$; $\rho = 0$ kg/m^3

Ambient Temperature：23.5 ℃

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 = 28.13 V/m; Power Drift = 0.03 dB

Applied MIF = 3.63 dB

RF audio interference level = 28.59 dBV/m

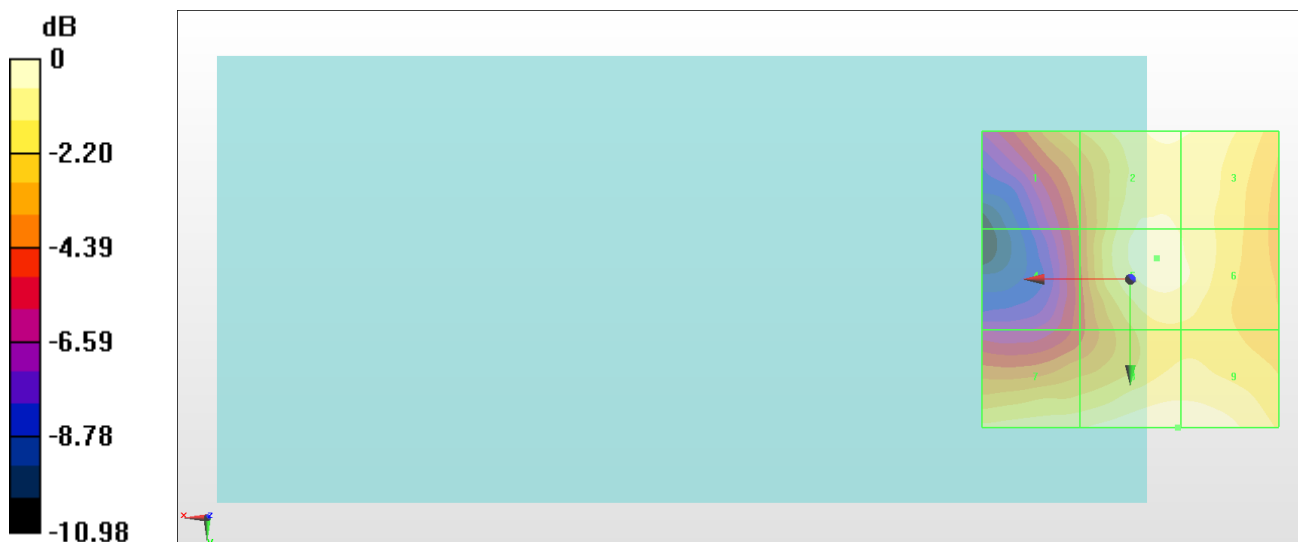**Emission category: M4**

MIF scaled E-field

Grid 1 **M4** **26.39 dBV/m**	Grid 2 **M4** **28.06 dBV/m**	Grid 3 **M4** **27.96 dBV/m**
Grid 4 **M4** **24.35 dBV/m**	Grid 5 **M4** **28.25 dBV/m**	Grid 6 **M4** **28.02 dBV/m**
Grid 7 **M4** **27.76 dBV/m**	Grid 8 **M4** **28.59 dBV/m**	Grid 9 **M4** **28.59 dBV/m**

Cursor:
Total = 28.59 dBV/m
E Category: M4
Location: -8, 25, 8.7 mm

0 dB = 26.87 V/m = 28.59 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: σ = 0 S/m, ε_r = 1; ρ = 0 kg/m^3

Ambient Temperature：23.5 ℃

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 = 27.44 V/m; Power Drift = -0.04 dB

Applied MIF = 3.63 dB

RF audio interference level = 28.54 dBV/m

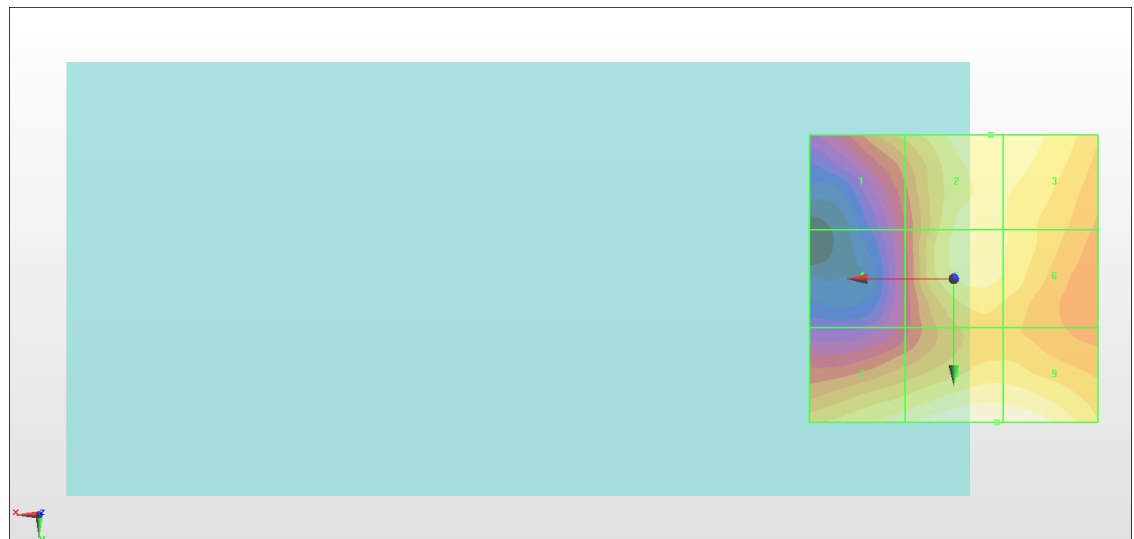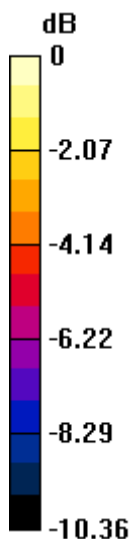**Emission category: M4**

MIF scaled E-field

Grid 1 **M4** **26.08 dBV/m**	Grid 2 **M4** **27.87 dBV/m**	Grid 3 **M4** **27.81 dBV/m**
Grid 4 **M4** **23.65 dBV/m**	Grid 5 **M4** **27.67 dBV/m**	Grid 6 **M4** **27.26 dBV/m**
Grid 7 **M4** **27.63 dBV/m**	Grid 8 **M4** **28.54 dBV/m**	Grid 9 **M4** **28.53 dBV/m**

Cursor:
Total = 28.54 dBV/m
E Category: M4
Location: -7.5, 25, 8.7 mm

0 dB = 26.72 V/m = 28.54 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, $\varepsilon_r = 1$; $\rho = 0$ kg/m^3

Ambient Temperature：23.5 ℃

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 = 27.33 V/m; Power Drift = -0.01 dB

Applied MIF = 3.63 dB

RF audio interference level = 28.48 dBV/m

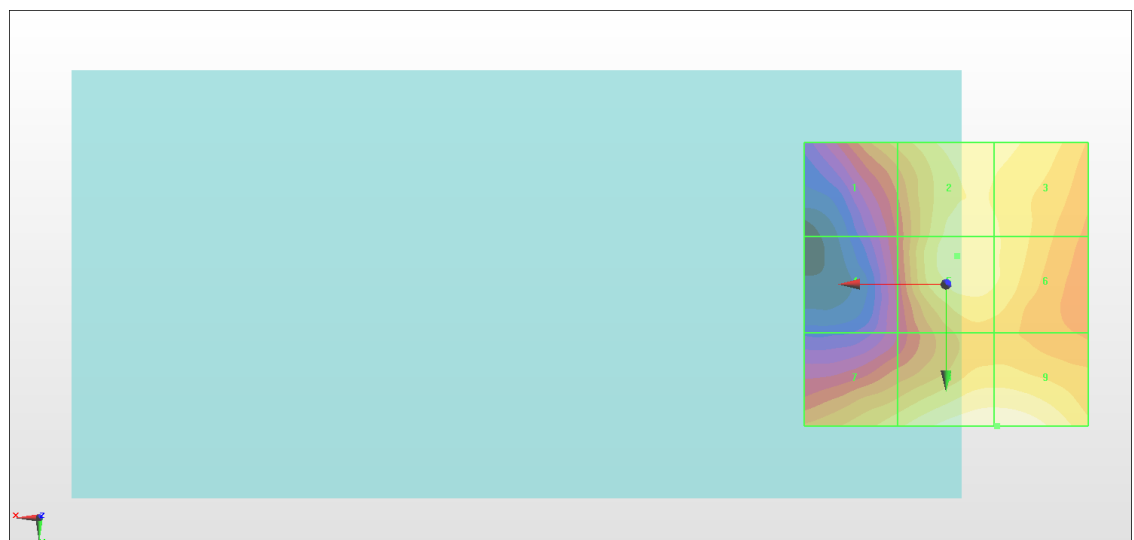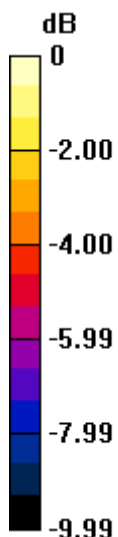**Emission category: M4**

MIF scaled E-field

Grid 1 **M4** **26.14 dBV/m**	Grid 2 **M4** **27.73 dBV/m**	Grid 3 **M4** **27.49 dBV/m**
Grid 4 **M4** **23.99 dBV/m**	Grid 5 **M4** **27.75 dBV/m**	Grid 6 **M4** **27.3 dBV/m**
Grid 7 **M4** **26.99 dBV/m**	Grid 8 **M4** **28.47 dBV/m**	Grid 9 **M4** **28.48 dBV/m**

Cursor:
Total = 28.48 dBV/m
E Category: M4
Location: -9, 25, 8.7 mm

0 dB = 26.54 V/m = 28.48 dBV/m

#07_HAC_E_LTE Band 38_20M_QPSK_1_0_Ch37850

Communication System: LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK); Frequency: 2580 MHz;Duty Cycle: 1:8.33681

Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\varepsilon_r = 1$; $\rho = 0$ kg/m^3

Ambient Temperature：23.5 ℃

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 = 11.51 V/m; Power Drift = -0.16 dB

Applied MIF = -1.62 dB

RF audio interference level = 23.59 dBV/m

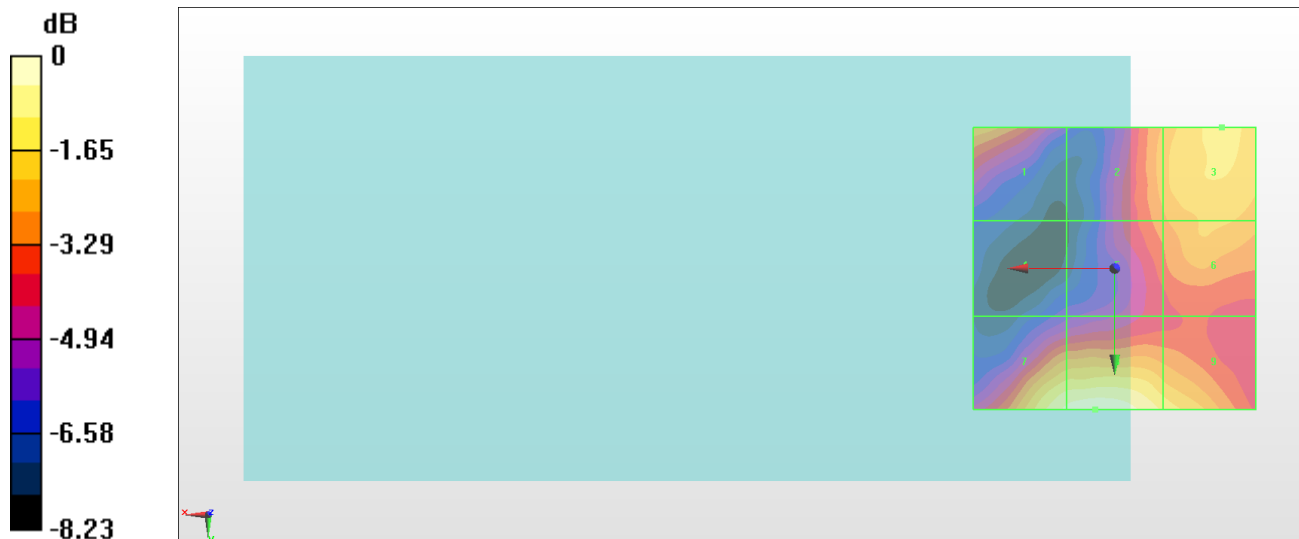**Emission category: M4**

MIF scaled E-field

Grid 1 **M4**	Grid 2 **M4**	Grid 3 **M4**
21.33 dBV/m	**21.17 dBV/m**	**22.16 dBV/m**
Grid 4 **M4**	Grid 5 **M4**	Grid 6 **M4**
17.98 dBV/m	**20.7 dBV/m**	**21.52 dBV/m**
Grid 7 **M4**	Grid 8 **M4**	Grid 9 **M4**
23.21 dBV/m	**23.59 dBV/m**	**22.41 dBV/m**

Cursor:
Total = 23.59 dBV/m
E Category: M4
Location: 3.5, 25, 8.7 mm

0 dB = 15.13 V/m = 23.60 dBV/m

#08_HAC_E_LTE Band 38_20M_QPSK_1_0_Ch38000

Communication System: LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK); Frequency: 2575 MHz;Duty Cycle: 1:8.33681

Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\varepsilon_r = 1$; $\rho = 0$ kg/m^3

Ambient Temperature：23.5 ℃

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 = 8.565 V/m; Power Drift = 0.01 dB

Applied MIF = -1.62 dB

RF audio interference level = 22.15 dBV/m

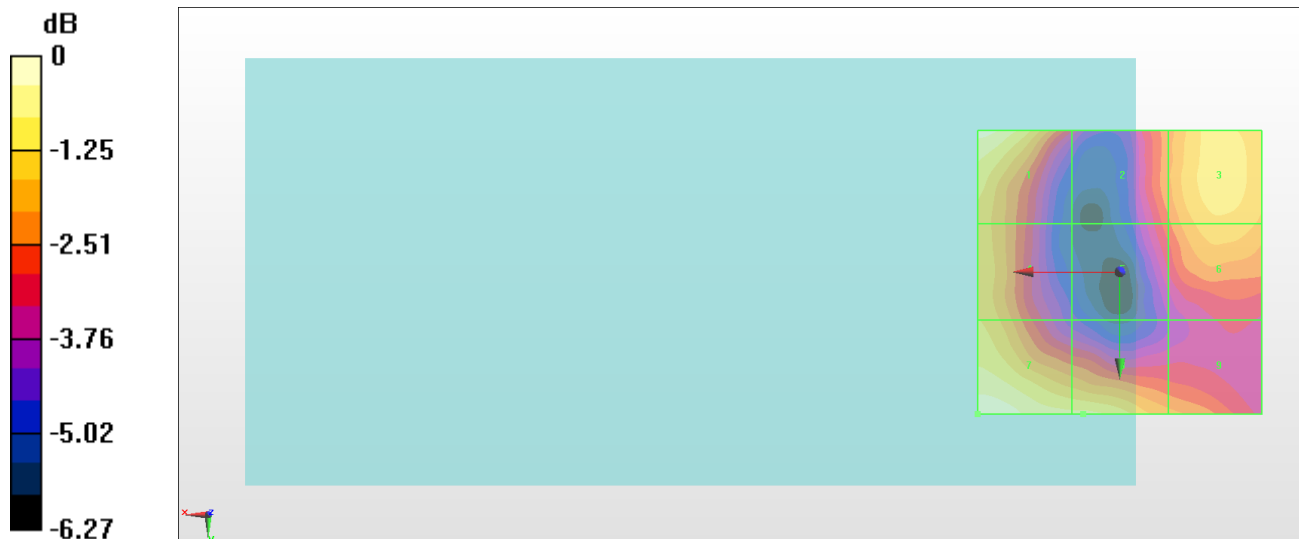**Emission category: M4**

MIF scaled E-field

Grid 1 **M4** **21.94 dBV/m**	Grid 2 **M4** **19.99 dBV/m**	Grid 3 **M4** **21.15 dBV/m**
Grid 4 **M4** **20.93 dBV/m**	Grid 5 **M4** **19.53 dBV/m**	Grid 6 **M4** **20.8 dBV/m**
Grid 7 **M4** **22.15 dBV/m**	Grid 8 **M4** **21.47 dBV/m**	Grid 9 **M4** **20.26 dBV/m**

Cursor:
Total = 22.15 dBV/m
E Category: M4
Location: 25, 25, 8.7 mm

0 dB = 12.81 V/m = 22.15 dBV/m

#09_HAC_E_LTE Band 38_20M_QPSK_1_0_Ch38150

Communication System: LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK); Frequency: 2610 MHz;Duty Cycle: 1:8.33681

Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\varepsilon_r = 1$; $\rho = 0$ kg/m^3

Ambient Temperature：23.5 ℃

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 = 6.489 V/m; Power Drift = 0.17 dB

Applied MIF = -1.62 dB

RF audio interference level = 21.29 dBV/m

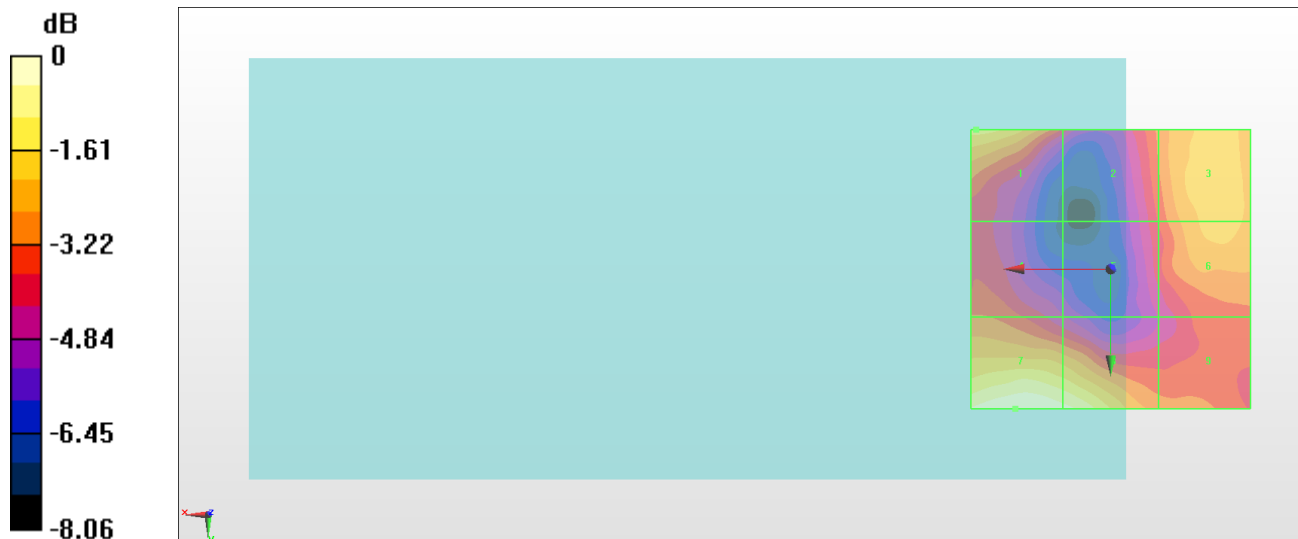**Emission category: M4**

MIF scaled E-field

Grid 1 **M4**	Grid 2 **M4**	Grid 3 **M4**
19.98 dBV/m	**18.21 dBV/m**	**19.54 dBV/m**
Grid 4 **M4**	Grid 5 **M4**	Grid 6 **M4**
18.14 dBV/m	**17.58 dBV/m**	**19.39 dBV/m**
Grid 7 **M4**	Grid 8 **M4**	Grid 9 **M4**
21.29 dBV/m	**20.96 dBV/m**	**18.45 dBV/m**

Cursor:
Total = 21.29 dBV/m
E Category: M4
Location: 17, 25, 8.7 mm

0 dB = 11.60 V/m = 21.29 dBV/m