#01_HAC_E_GSM850_GSM Voice_Ch128

Communication System: GSM-FDD (TDMA, GMSK); Frequency: 824.2 MHz;Duty Cycle: 1:8.3

Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\varepsilon_r = 1$; $\rho = 1000$ kg/m^3

Ambient Temperature：23.4 ℃

DASY5 Configuration
- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2017/1/19;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn577; Calibrated: 2016/9/28
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

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 = 18.50 V/m; Power Drift = 0.03 dB

Applied MIF = 3.63 dB

RF audio interference level = 27.57 dBV/m
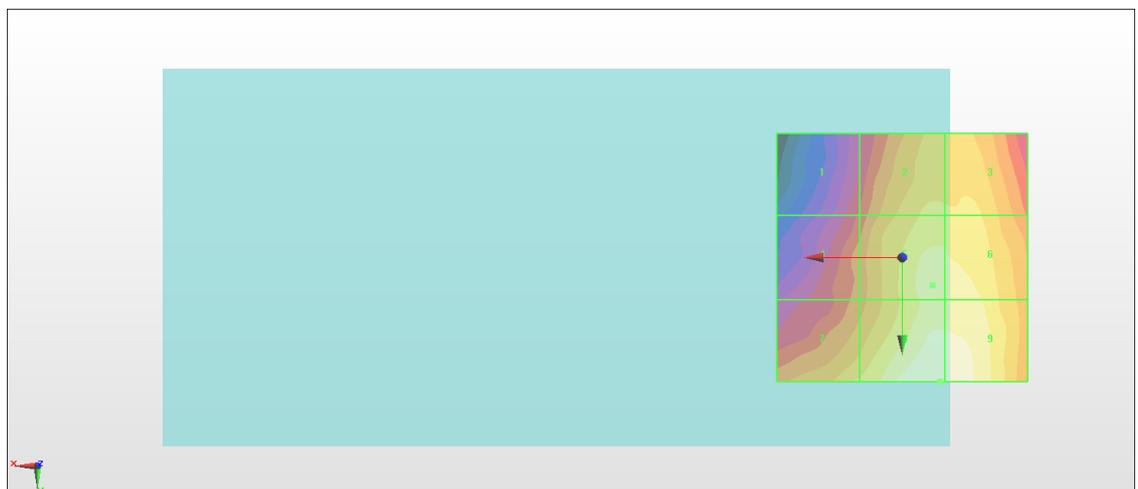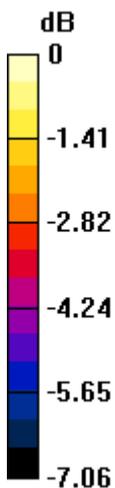
Emission category: M4

MIF scaled E-field

Grid 1 **M4** **24.4 dBV/m**	Grid 2 **M4** **26.32 dBV/m**	Grid 3 **M4** **26.33 dBV/m**
Grid 4 **M4** **25.05 dBV/m**	Grid 5 **M4** **26.95 dBV/m**	Grid 6 **M4** **26.92 dBV/m**
Grid 7 **M4** **26.29 dBV/m**	Grid 8 **M4** **27.57 dBV/m**	Grid 9 **M4** **27.56 dBV/m**

Cursor:
Total = 27.57 dBV/m
E Category: M4
Location: -7.5, 25, 8.7 mm

0 dB = 23.92 V/m = 27.58 dBV/m

#02_HAC_E_GSM850_GSM Voice_Ch189

Communication System: GSM-FDD (TDMA, GMSK); Frequency: 836.4 MHz;Duty Cycle: 1:8.3

Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\varepsilon_r = 1$; $\rho = 1000$ kg/m^3

Ambient Temperature：23.4 ℃

DASY5 Configuration
- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2017/1/19;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn577; Calibrated: 2016/9/28
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

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 = 19.68 V/m; Power Drift = -0.03 dB

Applied MIF = 3.63 dB

RF audio interference level = 28.43 dBV/m

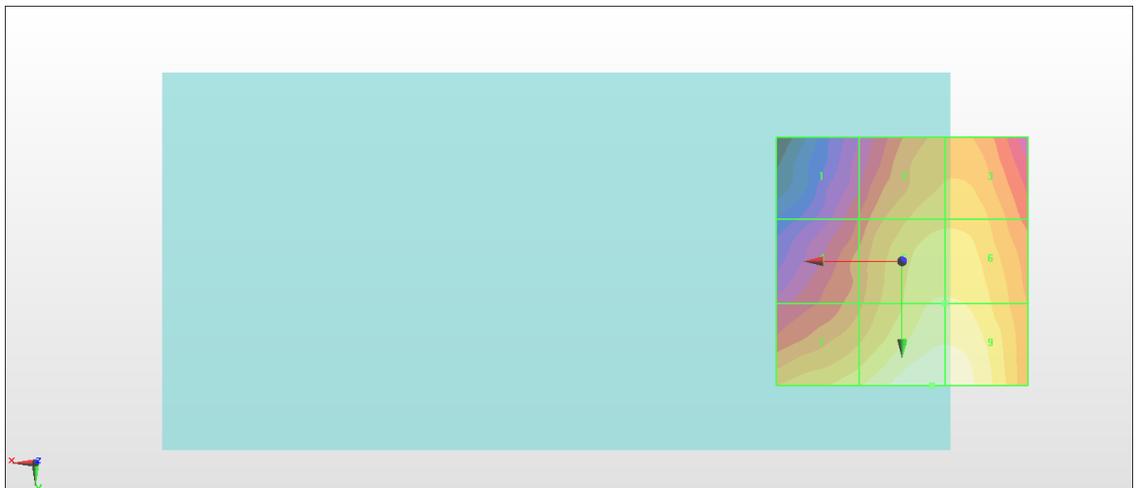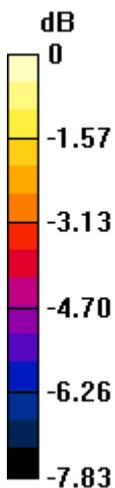**Emission category: M4**

MIF scaled E-field

Grid 1 **M4** **24.88 dBV/m**	Grid 2 **M4** **26.7 dBV/m**	Grid 3 **M4** **26.7 dBV/m**
Grid 4 **M4** **25.74 dBV/m**	Grid 5 **M4** **27.49 dBV/m**	Grid 6 **M4** **27.49 dBV/m**
Grid 7 **M4** **27.37 dBV/m**	Grid 8 **M4** **28.43 dBV/m**	Grid 9 **M4** **28.37 dBV/m**

Cursor:
Total = 28.43 dBV/m
E Category: M4
Location: -6, 25, 8.7 mm

0 dB = 26.40 V/m = 28.43 dBV/m

#03_HAC_E_GSM850_GSM Voice_Ch251

Communication System: GSM-FDD (TDMA, GMSK); Frequency: 848.8 MHz;Duty Cycle: 1:8.3

Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\varepsilon_r = 1$; $\rho = 1000$ kg/m^3

Ambient Temperature：23.4 ℃

DASY5 Configuration
- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2017/1/19;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn577; Calibrated: 2016/9/28
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

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 = 15.86 V/m; Power Drift = -0.07 dB

Applied MIF = 3.63 dB

RF audio interference level = 26.34 dBV/m

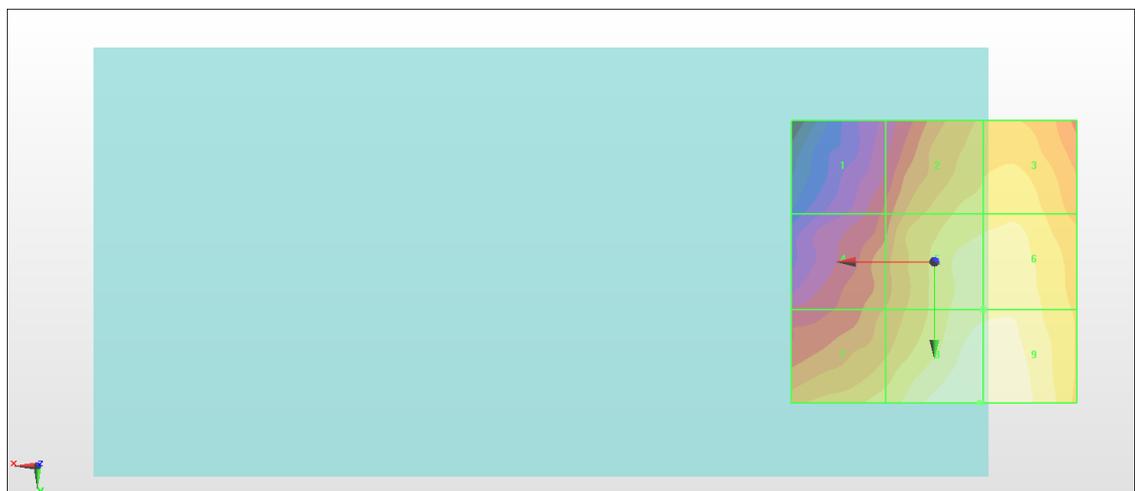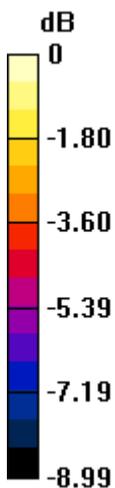**Emission category: M4**

MIF scaled E-field

Grid 1 **M4** **22.4 dBV/m**	Grid 2 **M4** **24.85 dBV/m**	Grid 3 **M4** **25.07 dBV/m**
Grid 4 **M4** **23.42 dBV/m**	Grid 5 **M4** **25.63 dBV/m**	Grid 6 **M4** **25.68 dBV/m**
Grid 7 **M4** **24.94 dBV/m**	Grid 8 **M4** **26.34 dBV/m**	Grid 9 **M4** **26.34 dBV/m**

Cursor:
Total = 26.34 dBV/m
E Category: M4
Location: -8, 25, 8.7 mm

0 dB = 20.75 V/m = 26.34 dBV/m

#04_HAC_E_GSM850_GSM Voice_Ch128

Communication System: GSM-FDD (TDMA, GMSK); Frequency: 824.2 MHz;Duty Cycle: 1:8.3

Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\varepsilon_r = 1$; $\rho = 1000$ kg/m^3

Ambient Temperature：23.5 ℃

DASY5 Configuration
- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2017/1/19;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn778; Calibrated: 2017/5/22
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

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 = 96.47 V/m; Power Drift = -0.06 dB

Applied MIF = 3.63 dB

RF audio interference level = 44.37 dBV/m

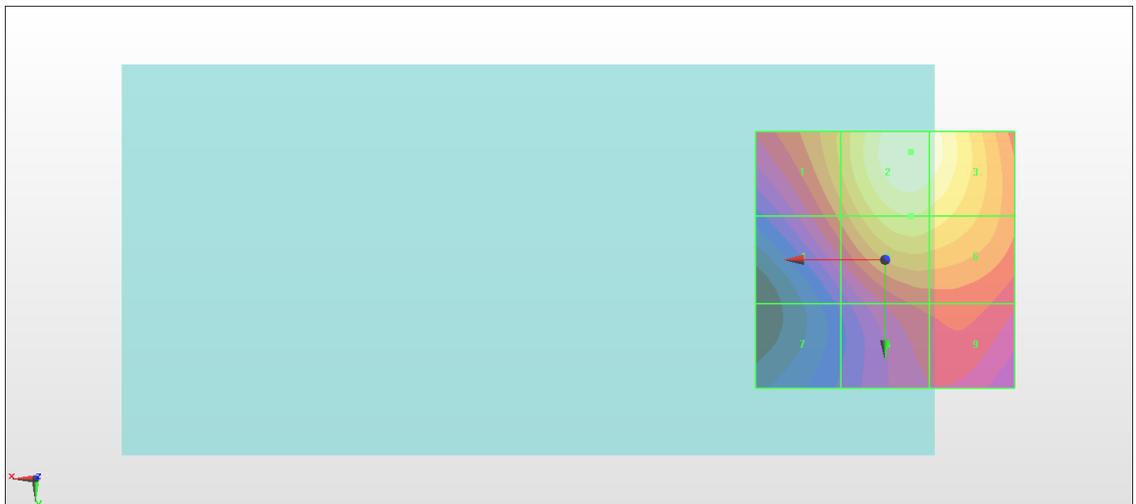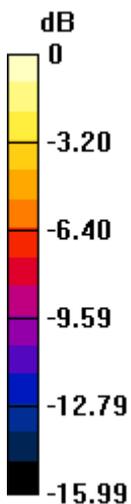**Emission category: M3**

MIF scaled E-field

Grid 1 **M3**	Grid 2 **M3**	Grid 3 **M3**
40.46 dBV/m	**44.37 dBV/m**	**43.97 dBV/m**
Grid 4 **M4**	Grid 5 **M3**	Grid 6 **M3**
38.38 dBV/m	**42.21 dBV/m**	**41.87 dBV/m**
Grid 7 **M4**	Grid 8 **M4**	Grid 9 **M4**
33.05 dBV/m	**37.32 dBV/m**	**37.55 dBV/m**

Cursor:
Total = 44.37 dBV/m
E Category: M3
Location: -5, -21, 8.7 mm

0 dB = 165.4 V/m = 44.37 dBV/m

#05_HAC_E_GSM850_GSM Voice_Ch189

Communication System: GSM-FDD (TDMA, GMSK); Frequency: 836.4 MHz;Duty Cycle: 1:8.3

Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\varepsilon_r = 1$; $\rho = 1000$ kg/m^3

Ambient Temperature：23.5 ℃

DASY5 Configuration
- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2017/1/19;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn778; Calibrated: 2017/5/22
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

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 = 96.26 V/m; Power Drift = -0.05 dB

Applied MIF = 3.63 dB

RF audio interference level = 44.41 dBV/m

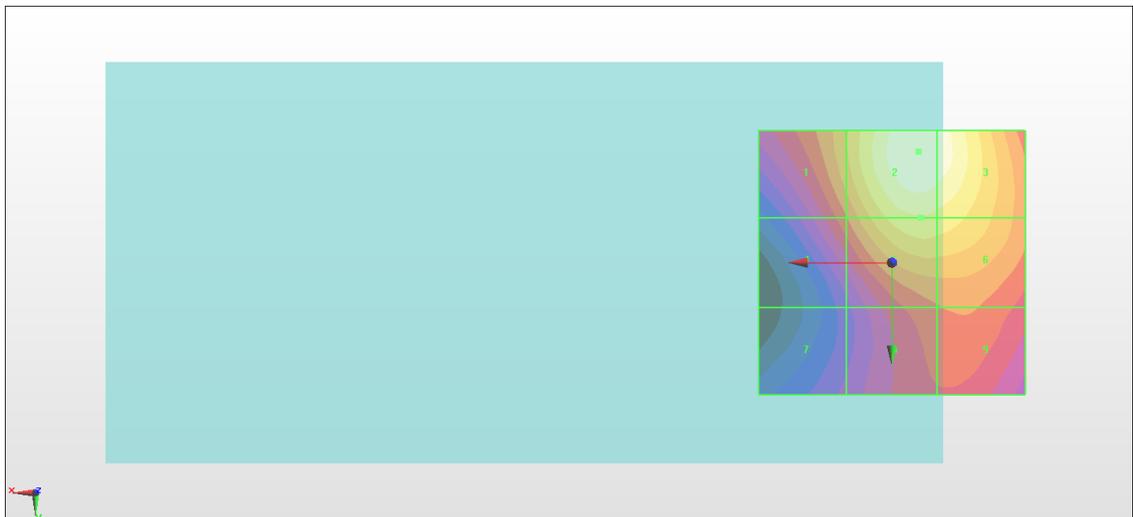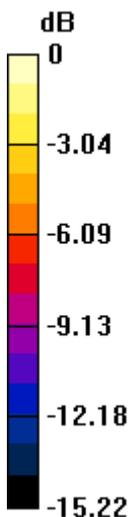**Emission category: M3**

MIF scaled E-field

Grid 1 **M3**	Grid 2 **M3**	Grid 3 **M3**
40.31 dBV/m	**44.41 dBV/m**	**44.1 dBV/m**
Grid 4 **M4**	Grid 5 **M3**	Grid 6 **M3**
38.28 dBV/m	**42.3 dBV/m**	**42.08 dBV/m**
Grid 7 **M4**	Grid 8 **M4**	Grid 9 **M4**
34.63 dBV/m	**38.26 dBV/m**	**38.49 dBV/m**

Cursor:
Total = 44.41 dBV/m
E Category: M3
Location: -5, -21, 8.7 mm

0 dB = 166.1 V/m = 44.41 dBV/m

#06_HAC_E_GSM850_GSM Voice_Ch251

Communication System: GSM-FDD (TDMA, GMSK); Frequency: 848.8 MHz;Duty Cycle: 1:8.3

Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\varepsilon_r = 1$; $\rho = 1000$ kg/m^3

Ambient Temperature：23.5 ℃

DASY5 Configuration
- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2017/1/19;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn778; Calibrated: 2017/5/22
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

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 = 92.52 V/m; Power Drift = -0.02 dB

Applied MIF = 3.63 dB

RF audio interference level = 44.52 dBV/m

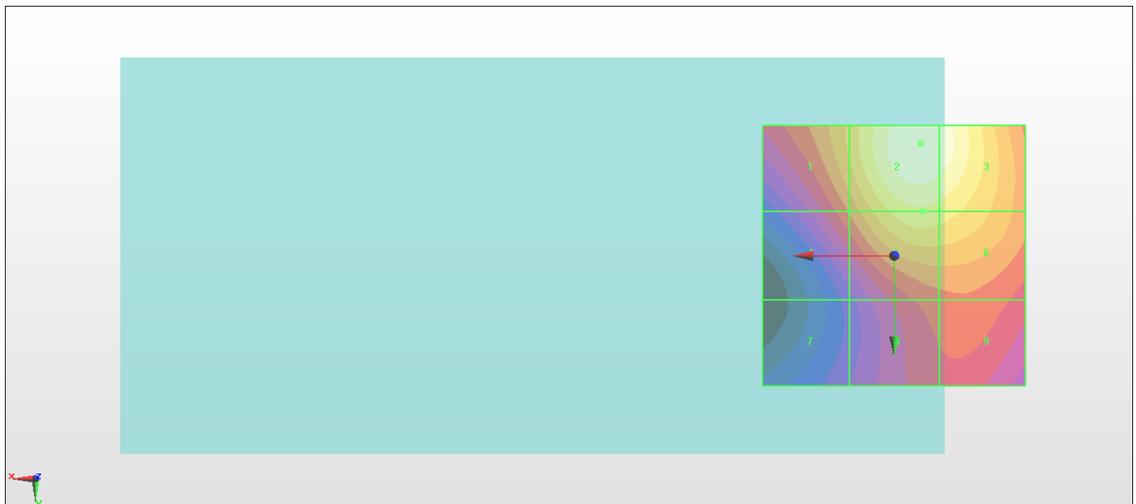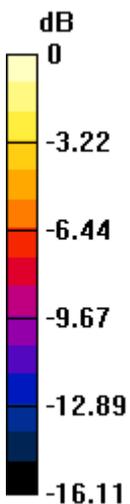**Emission category: M3**

MIF scaled E-field

Grid 1 **M3**	Grid 2 **M3**	Grid 3 **M3**
40.56 dBV/m	**44.52 dBV/m**	**44.18 dBV/m**
Grid 4 **M4**	Grid 5 **M3**	Grid 6 **M3**
38.24 dBV/m	**42.16 dBV/m**	**41.89 dBV/m**
Grid 7 **M4**	Grid 8 **M4**	Grid 9 **M4**
33.8 dBV/m	**37.73 dBV/m**	**37.95 dBV/m**

Cursor:
Total = 44.52 dBV/m
E Category: M3
Location: -5, -21.5, 8.7 mm

0 dB = 168.2 V/m = 44.52 dBV/m

#07_HAC_E_GSM1900_GSM Voice_Ch512

Communication System: GSM-FDD (TDMA, GMSK); Frequency: 1850.2 MHz;Duty Cycle: 1:8.3

Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\varepsilon_r = 1$; $\rho = 1000$ kg/m^3

Ambient Temperature：23.4 ℃

DASY5 Configuration
- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2017/1/19;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn577; Calibrated: 2016/9/28
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

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 = 11.22 V/m; Power Drift = -0.12 dB

Applied MIF = 3.63 dB

RF audio interference level = 26.64 dBV/m

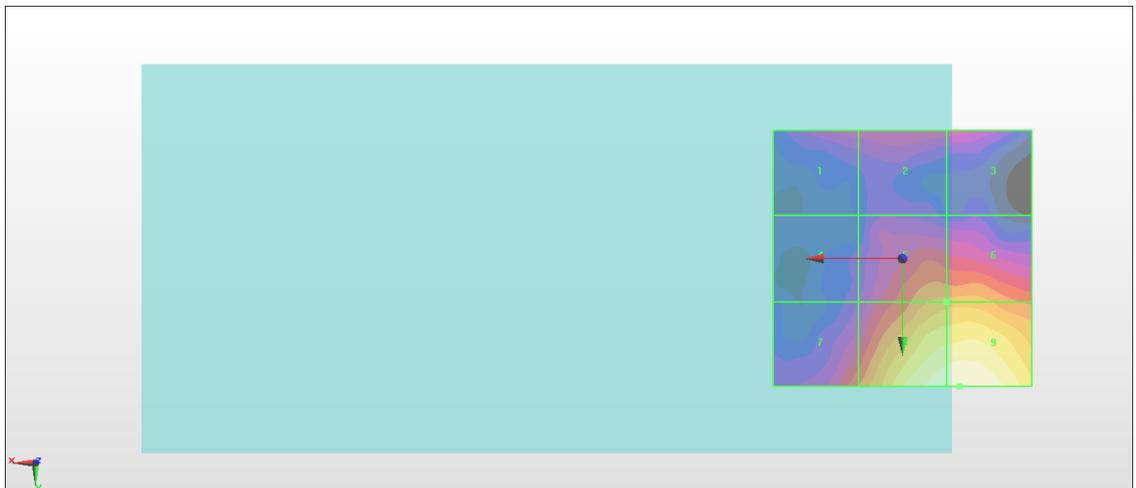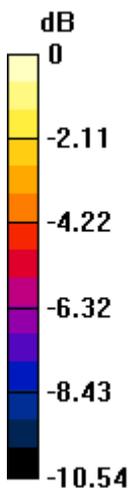**Emission category: M4**

MIF scaled E-field

Grid 1 **M4** **20.93 dBV/m**	Grid 2 **M4** **21.1 dBV/m**	Grid 3 **M4** **20.95 dBV/m**
Grid 4 **M4** **19.69 dBV/m**	Grid 5 **M4** **23.46 dBV/m**	Grid 6 **M4** **23.54 dBV/m**
Grid 7 **M4** **22.51 dBV/m**	Grid 8 **M4** **26.52 dBV/m**	Grid 9 **M4** **26.64 dBV/m**

Cursor:
Total = 26.64 dBV/m
E Category: M4
Location: -11, 25, 8.7 mm

0 dB = 21.48 V/m = 26.64 dBV/m

#08_HAC_E_GSM1900_GSM Voice_Ch661

Communication System: GSM-FDD (TDMA, GMSK); Frequency: 1880 MHz;Duty Cycle: 1:8.3

Medium: Air Medium parameters used: σ = 0 S/m, ε_r = 1; ρ = 1000 kg/m^3

Ambient Temperature：23.4 ℃

DASY5 Configuration
- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2017/1/19;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn577; Calibrated: 2016/9/28
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

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 = 10.99 V/m; Power Drift = -0.10 dB

Applied MIF = 3.63 dB

RF audio interference level = 25.19 dBV/m

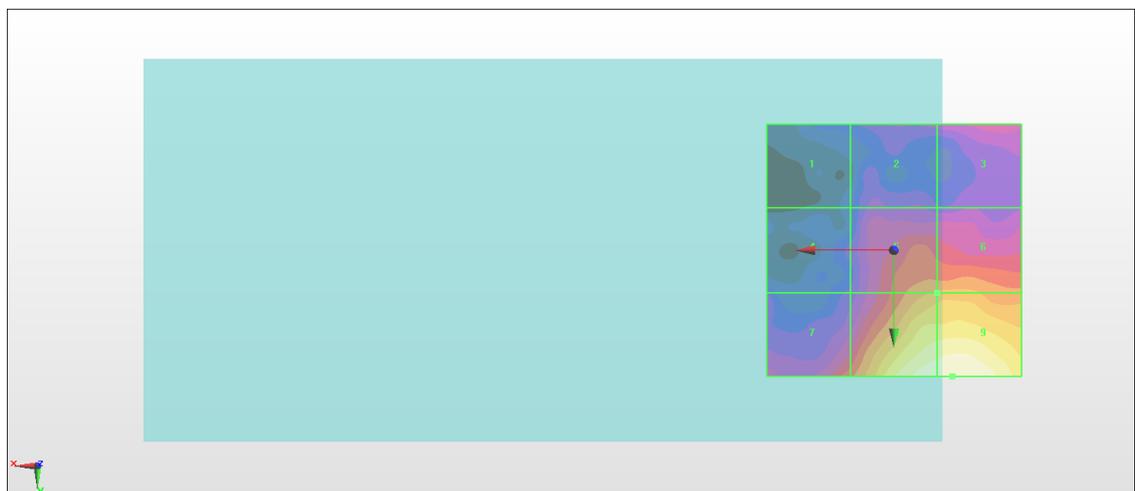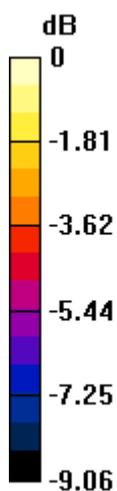**Emission category: M4**

MIF scaled E-field

Grid 1 **M4** **18.38 dBV/m**	Grid 2 **M4** **19.6 dBV/m**	Grid 3 **M4** **20.33 dBV/m**
Grid 4 **M4** **18.83 dBV/m**	Grid 5 **M4** **22.31 dBV/m**	Grid 6 **M4** **22.42 dBV/m**
Grid 7 **M4** **21.45 dBV/m**	Grid 8 **M4** **25.1 dBV/m**	Grid 9 **M4** **25.19 dBV/m**

Cursor:
Total = 25.19 dBV/m
E Category: M4
Location: -11.5, 25, 8.7 mm

0 dB = 18.17 V/m = 25.19 dBV/m

#09_HAC_E_GSM1900_GSM Voice_Ch810

Communication System: GSM-FDD (TDMA, GMSK); Frequency: 1909.8 MHz;Duty Cycle: 1:8.3

Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\varepsilon_r = 1$; $\rho = 1000$ kg/m^3

Ambient Temperature：23.4 ℃

DASY5 Configuration
- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2017/1/19;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn577; Calibrated: 2016/9/28
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

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 = 10.10 V/m; Power Drift = -0.05 dB

Applied MIF = 3.63 dB

RF audio interference level = 22.52 dBV/m

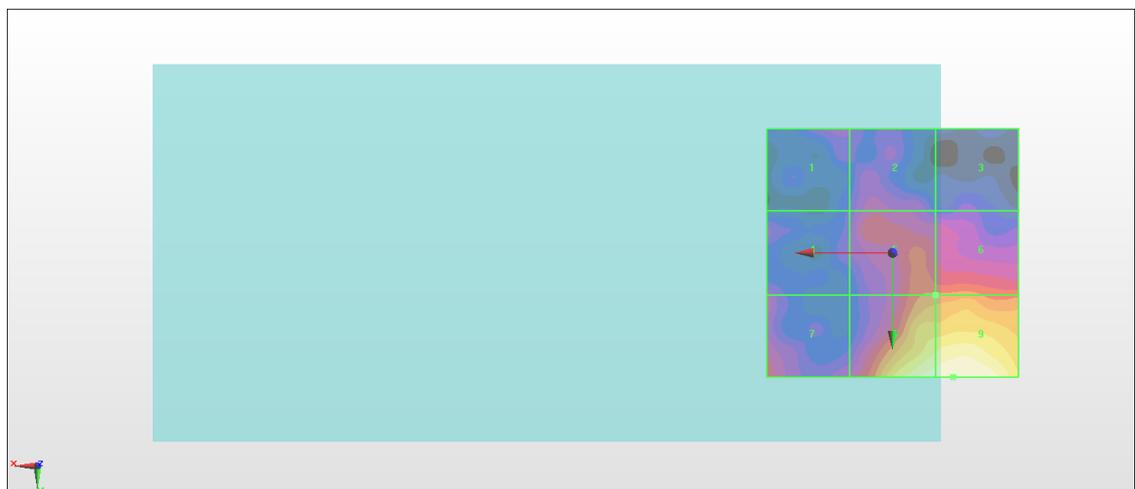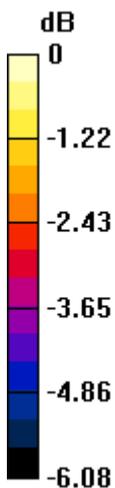**Emission category: M4**

MIF scaled E-field

Grid 1 **M4** 18.76 dBV/m	Grid 2 **M4** 19.21 dBV/m	Grid 3 **M4** 18.25 dBV/m
Grid 4 **M4** 18.91 dBV/m	Grid 5 **M4** 20.19 dBV/m	Grid 6 **M4** 20.35 dBV/m
Grid 7 **M4** 19.74 dBV/m	Grid 8 **M4** 22.39 dBV/m	Grid 9 **M4** 22.52 dBV/m

Cursor:
Total = 22.52 dBV/m
E Category: M4
Location: -12, 25, 8.7 mm

0 dB = 13.37 V/m = 22.52 dBV/m