#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, $\varepsilon_r = 1$; $\rho = 1000$ kg/m^3

Ambient Temperature：23.4 ℃

DASY5 Configuration
- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2015/1/26;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1279; Calibrated: 2014/7/23
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch128/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 = 83.78 V/m; Power Drift = -0.08 dB

Applied MIF = 3.63 dB

RF audio interference level = 40.53 dBV/m

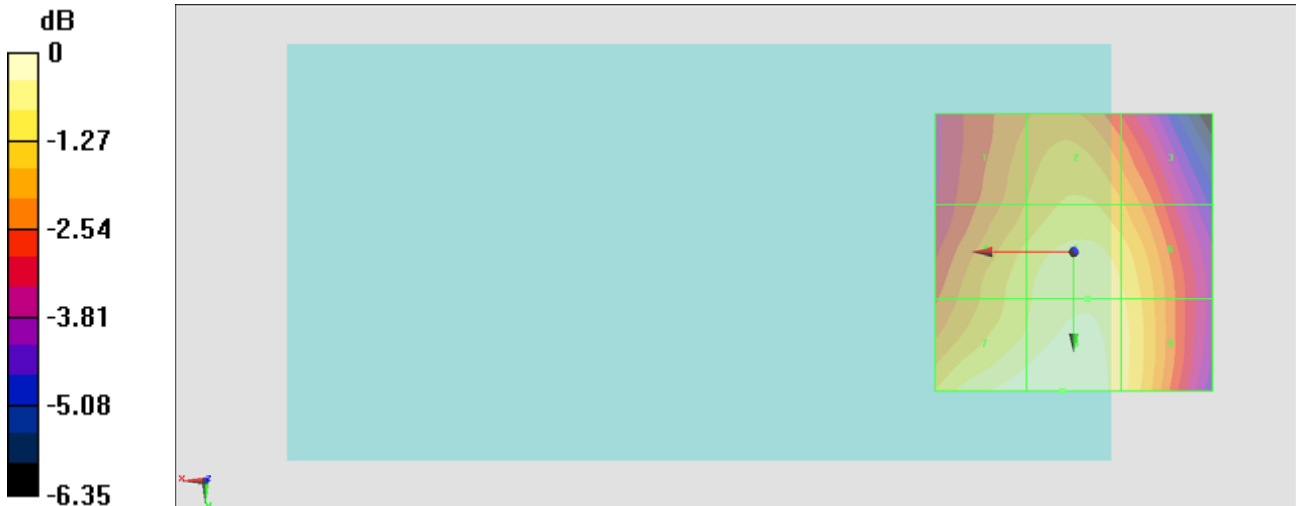**Emission category: M3**

MIF scaled E-field

Grid 1 **M4**	Grid 2 **M4**	Grid 3 **M4**
38.87 dBV/m	**39.35 dBV/m**	**38.92 dBV/m**
Grid 4 **M4**	Grid 5 **M3**	Grid 6 **M4**
39.61 dBV/m	**40.07 dBV/m**	**39.77 dBV/m**
Grid 7 **M3**	Grid 8 **M3**	Grid 9 **M4**
40.39 dBV/m	**40.53 dBV/m**	**39.89 dBV/m**

Cursor:
Total = 40.53 dBV/m
E Category: M3
Location: 2, 25, 8.7 mm

0 dB = 106.3 V/m = 40.53 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, $\varepsilon_r = 1$; $\rho = 1000$ kg/m^3
Ambient Temperature：23.4 ℃

DASY5 Configuration
- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2015/1/26;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1279; Calibrated: 2014/7/23
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch189/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 = 89.25 V/m; Power Drift = -0.04 dB
Applied MIF = 3.63 dB
RF audio interference level = 41.43 dBV/m
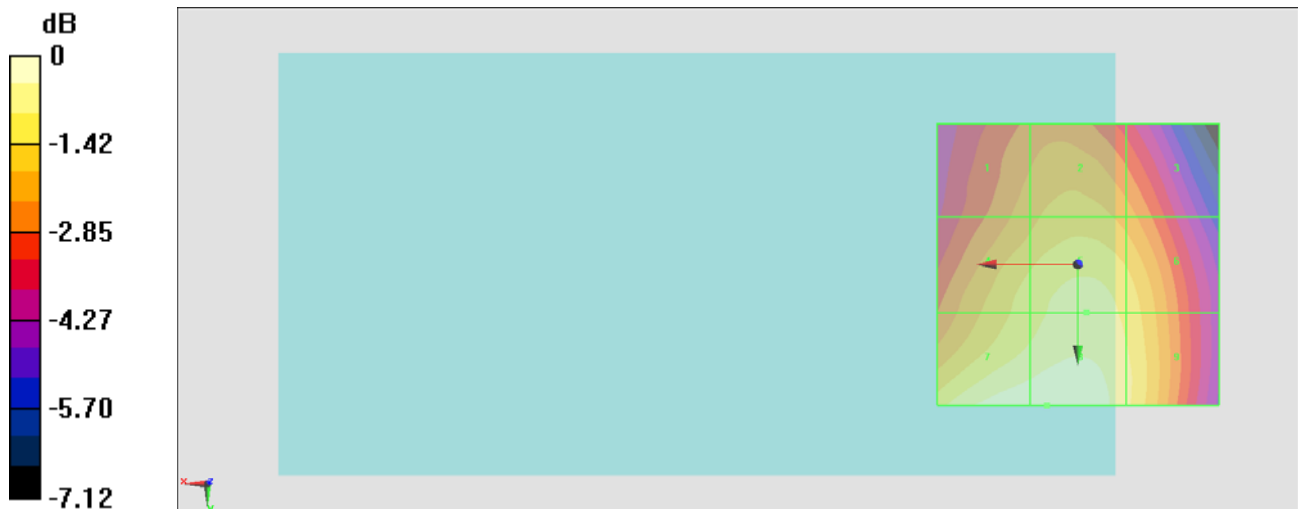**Emission category: M3**

MIF scaled E-field

Grid 1 **M4** **39.39 dBV/m**	Grid 2 **M4** **39.76 dBV/m**	Grid 3 **M4** **39.33 dBV/m**
Grid 4 **M3** **40.28 dBV/m**	Grid 5 **M3** **40.71 dBV/m**	Grid 6 **M3** **40.37 dBV/m**
Grid 7 **M3** **41.4 dBV/m**	Grid 8 **M3** **41.43 dBV/m**	Grid 9 **M3** **40.64 dBV/m**

Cursor:
Total = 41.43 dBV/m
E Category: M3
Location: 5.5, 25, 8.7 mm

0 dB = 117.9 V/m = 41.43 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, $\varepsilon_r = 1$; $\rho = 1000$ kg/m^3
Ambient Temperature：23.4 ℃

DASY5 Configuration
- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2015/1/26;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1279; Calibrated: 2014/7/23
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch251/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 = 87.52 V/m; Power Drift = -0.03 dB
Applied MIF = 3.63 dB
RF audio interference level = 41.21 dBV/m
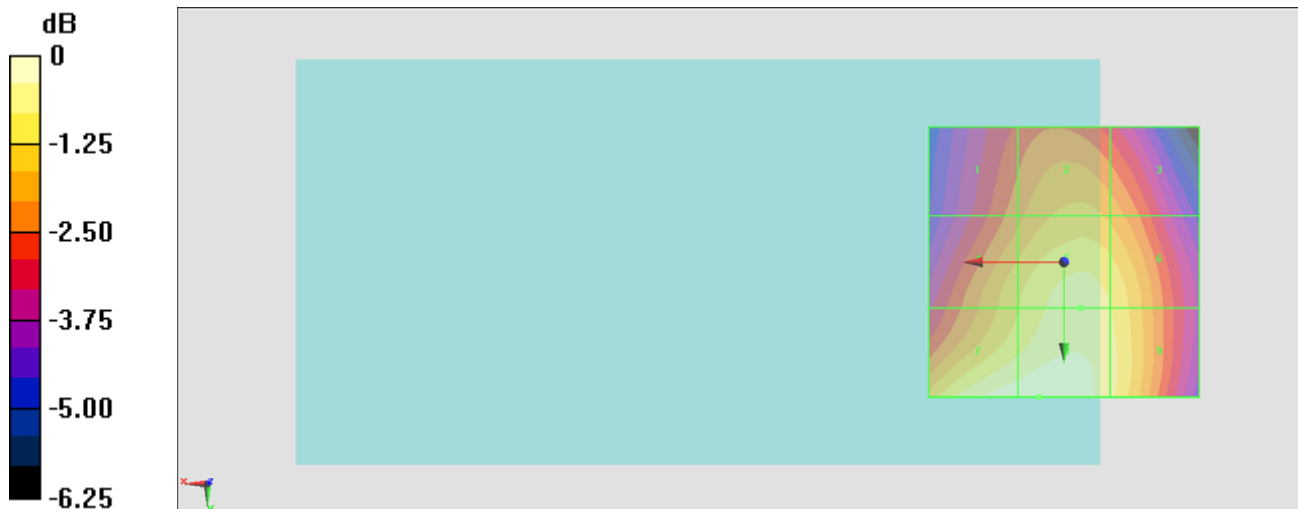**Emission category: M3**

MIF scaled E-field

Grid 1 **M4** **39.03 dBV/m**	Grid 2 **M4** **39.72 dBV/m**	Grid 3 **M4** **39.47 dBV/m**
Grid 4 **M4** **39.94 dBV/m**	Grid 5 **M3** **40.6 dBV/m**	Grid 6 **M3** **40.39 dBV/m**
Grid 7 **M3** **41.14 dBV/m**	Grid 8 **M3** **41.21 dBV/m**	Grid 9 **M3** **40.57 dBV/m**

Cursor:
Total = 41.21 dBV/m
E Category: M3
Location: 4.5, 25, 8.7 mm

0 dB = 115.0 V/m = 41.21 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, $\varepsilon_r = 1$; $\rho = 1000$ kg/m^3

Ambient Temperature：23.4 ℃

DASY5 Configuration

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2015/1/26;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1279; Calibrated: 2014/7/23
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch512/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 = 17.64 V/m; Power Drift = 0.09 dB

Applied MIF = 3.63 dB

RF audio interference level = 29.57 dBV/m
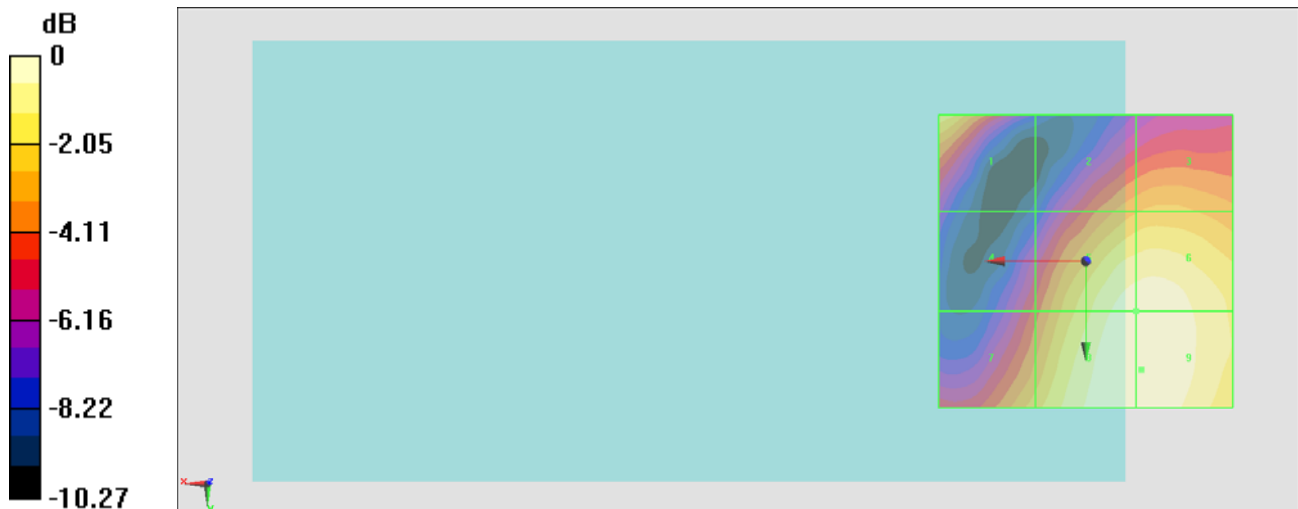
Emission category: M4

MIF scaled E-field

Grid 1 **M4** 28.11 dBV/m	Grid 2 **M4** 26.77 dBV/m	Grid 3 **M4** 27.06 dBV/m
Grid 4 **M4** 25.18 dBV/m	Grid 5 **M4** 29.32 dBV/m	Grid 6 **M4** 29.38 dBV/m
Grid 7 **M4** 27.3 dBV/m	Grid 8 **M4** 29.56 dBV/m	Grid 9 **M4** 29.57 dBV/m

Cursor:
Total = 29.57 dBV/m
E Category: M4
Location: -9.5, 18.5, 8.7 mm

0 dB = 30.10 V/m = 29.57 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, $\varepsilon_r = 1$; $\rho = 1000$ kg/m^3
Ambient Temperature：23.4 ℃

DASY5 Configuration
- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2015/1/26;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1279; Calibrated: 2014/7/23
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch661/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 = 12.52 V/m; Power Drift = 0.14 dB
Applied MIF = 3.63 dB
RF audio interference level = 28.90 dBV/m
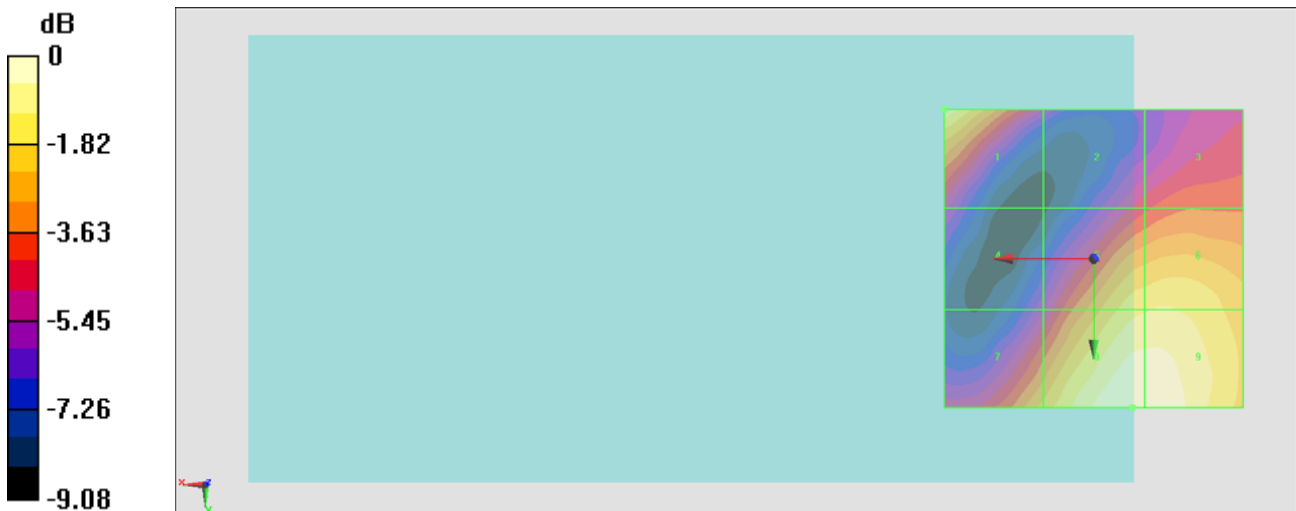**Emission category: M4**

MIF scaled E-field

Grid 1 **M4** 28.16 dBV/m	Grid 2 **M4** 24.51 dBV/m	Grid 3 **M4** 25.26 dBV/m
Grid 4 **M4** 23.68 dBV/m	Grid 5 **M4** 27.64 dBV/m	Grid 6 **M4** 27.75 dBV/m
Grid 7 **M4** 26.73 dBV/m	Grid 8 **M4** 28.9 dBV/m	Grid 9 **M4** 28.86 dBV/m

Cursor:
Total = 28.90 dBV/m
E Category: M4
Location: -6.5, 25, 8.7 mm

0 dB = 27.87 V/m = 28.90 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, $\varepsilon_r = 1$; $\rho = 1000$ kg/m^3
Ambient Temperature：23.4 ℃

DASY5 Configuration
- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2015/1/26;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1279; Calibrated: 2014/7/23
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch810/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 = 11.85 V/m; Power Drift = 0.11 dB
Applied MIF = 3.63 dB
RF audio interference level = 28.56 dBV/m
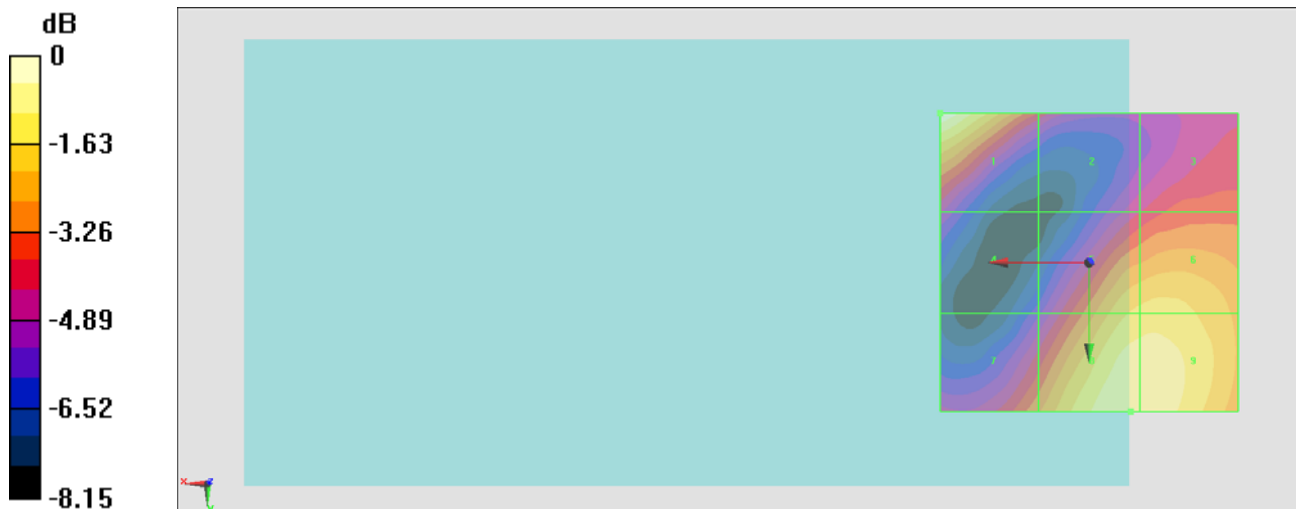**Emission category: M4**

MIF scaled E-field

Grid 1 **M4** 28.56 dBV/m	Grid 2 **M4** 24.69 dBV/m	Grid 3 **M4** 25.11 dBV/m
Grid 4 **M4** 23.83 dBV/m	Grid 5 **M4** 27.1 dBV/m	Grid 6 **M4** 27.21 dBV/m
Grid 7 **M4** 25.79 dBV/m	Grid 8 **M4** 28.01 dBV/m	Grid 9 **M4** 27.99 dBV/m

Cursor:
Total = 28.56 dBV/m
E Category: M4
Location: 25, -25, 8.7 mm

0 dB = 26.81 V/m = 28.57 dBV/m