#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：23.5 ℃

DASY5 Configuration
- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2016/1/19;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1399; Calibrated: 2016/11/17
- 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)

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 = 51.99 V/m; Power Drift = -0.05 dB

Applied MIF = 3.63 dB
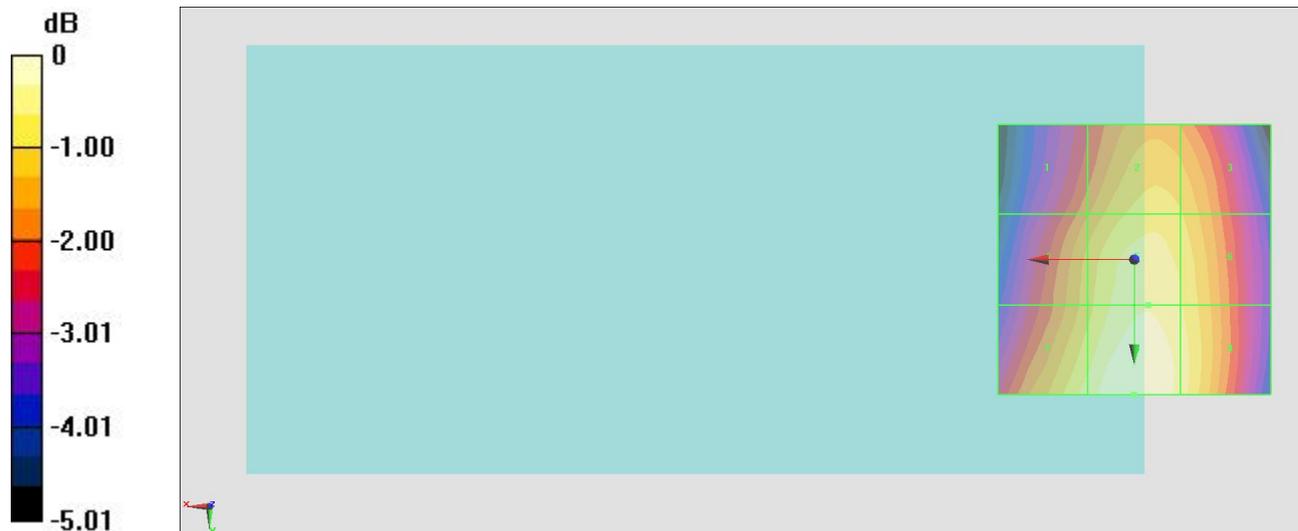
RF audio interference level = 36.38 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 **M4** 34.67 dBV/m	Grid 2 **M4** 35.58 dBV/m	Grid 3 **M4** 35.4 dBV/m
Grid 4 **M4** 35.26 dBV/m	Grid 5 **M4** 36.02 dBV/m	Grid 6 **M4** 35.75 dBV/m
Grid 7 **M4** 35.89 dBV/m	Grid 8 **M4** 36.38 dBV/m	Grid 9 **M4** 35.93 dBV/m

Cursor:
Total = 36.38 dBV/m
E Category: M4
Location: 0, 25, 8.7 mm

0 dB = 65.89 V/m = 36.38 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：23.5 ℃

DASY5 Configuration
- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2016/1/19;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1399; Calibrated: 2016/11/17
- 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)

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 = 49.31 V/m; Power Drift = -0.07 dB
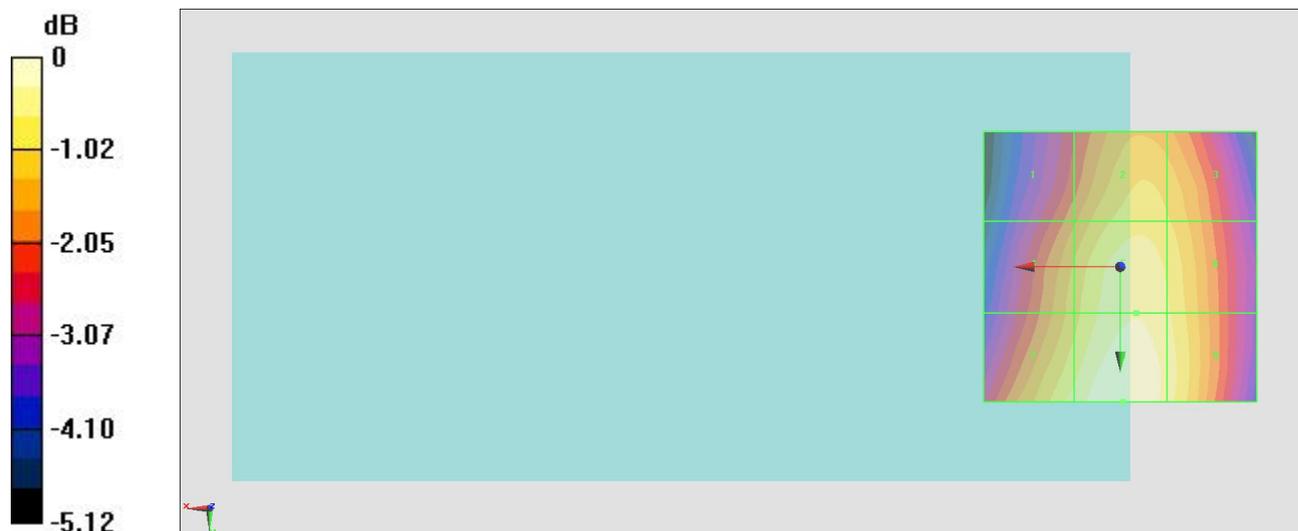Applied MIF = 3.63 dB
RF audio interference level = 36.00 dBV/m
Emission category: M4

MIF scaled E-field

Grid 1 **M4**	Grid 2 **M4**	Grid 3 **M4**
34.23 dBV/m	**35.22 dBV/m**	**35.03 dBV/m**
Grid 4 **M4**	Grid 5 **M4**	Grid 6 **M4**
34.84 dBV/m	**35.64 dBV/m**	**35.38 dBV/m**
Grid 7 **M4**	Grid 8 **M4**	Grid 9 **M4**
35.46 dBV/m	**36 dBV/m**	**35.56 dBV/m**

Cursor:
Total = 36.00 dBV/m
E Category: M4
Location: -0.5, 25, 8.7 mm

0 dB = 63.07 V/m = 36.00 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：23.5 ℃

DASY5 Configuration
- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2016/1/19;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1399; Calibrated: 2016/11/17
- 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)

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 = 47.69 V/m; Power Drift = -0.05 dB
Applied MIF = 3.63 dB
RF audio interference level = 35.60 dBV/m
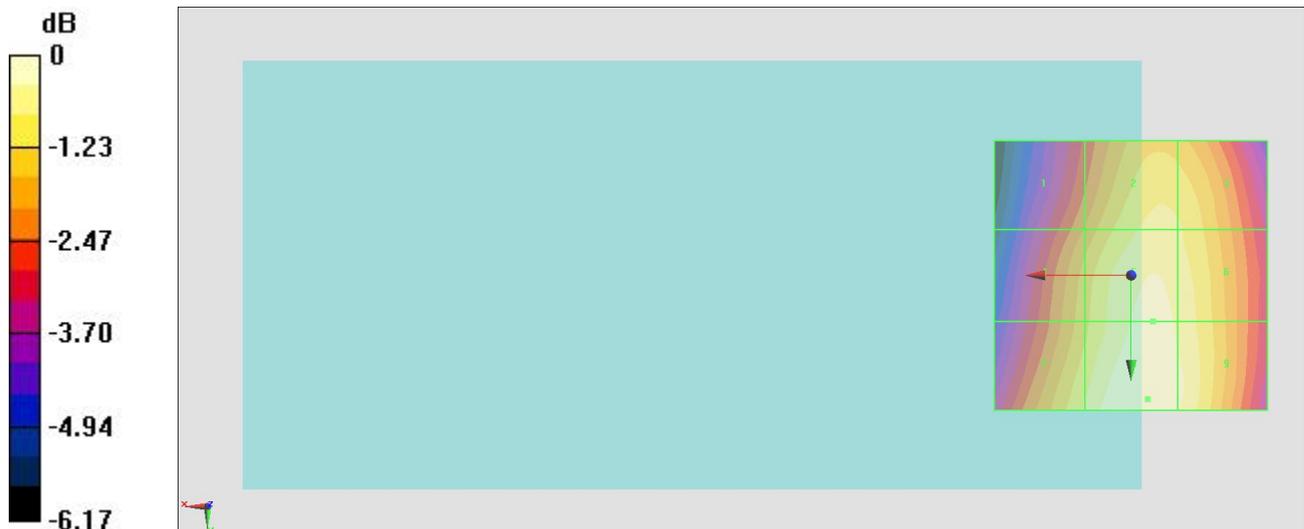**Emission category: M4**

MIF scaled E-field

Grid 1 **M4** **33.6 dBV/m**	Grid 2 **M4** **34.92 dBV/m**	Grid 3 **M4** **34.83 dBV/m**
Grid 4 **M4** **34.26 dBV/m**	Grid 5 **M4** **35.34 dBV/m**	Grid 6 **M4** **35.13 dBV/m**
Grid 7 **M4** **34.85 dBV/m**	Grid 8 **M4** **35.6 dBV/m**	Grid 9 **M4** **35.32 dBV/m**

Cursor:
Total = 35.60 dBV/m
E Category: M4
Location: -3, 23, 8.7 mm

0 dB = 60.27 V/m = 35.60 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: 2016/1/19;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1399; Calibrated: 2016/11/17
- 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)

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 = 56.87 V/m; Power Drift = -0.01 dB
Applied MIF = 3.63 dB
RF audio interference level = 36.70 dBV/m
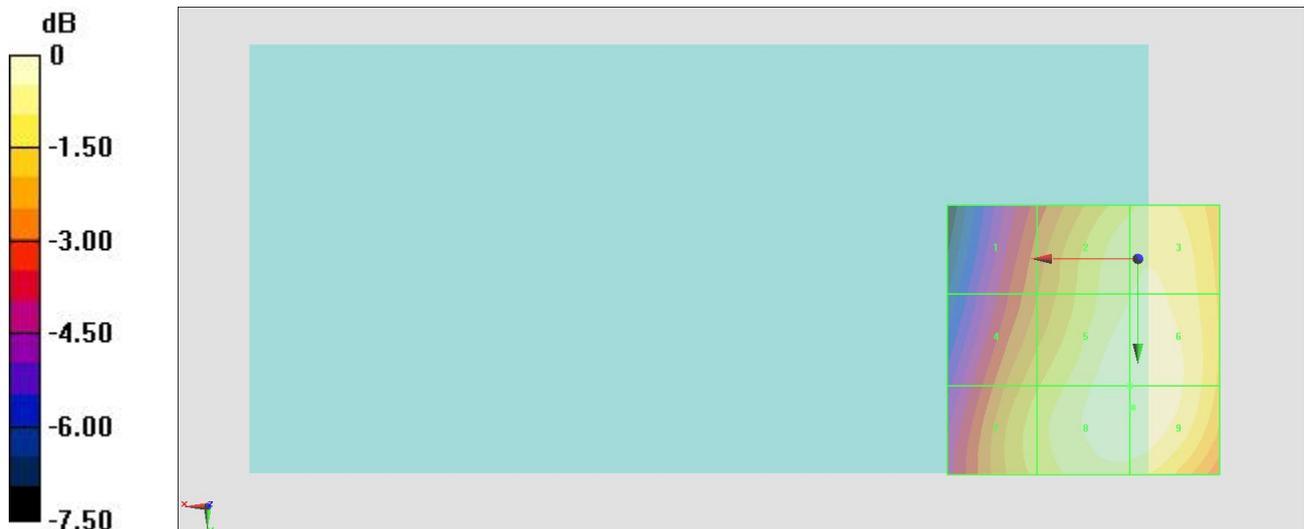**Emission category: M4**

MIF scaled E-field

Grid 1 **M4** 34.19 dBV/m	Grid 2 **M4** 36.19 dBV/m	Grid 3 **M4** 36.27 dBV/m
Grid 4 **M4** 35.15 dBV/m	Grid 5 **M4** 36.67 dBV/m	Grid 6 **M4** 36.69 dBV/m
Grid 7 **M4** 35.52 dBV/m	Grid 8 **M4** 36.7 dBV/m	Grid 9 **M4** 36.7 dBV/m

Cursor:
Total = 36.70 dBV/m
E Category: M4
Location: 1, 27.5, 8.7 mm

0 dB = 68.42 V/m = 36.70 dBV/m

#05_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：23.5 ℃

DASY5 Configuration
- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2016/1/19;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1399; Calibrated: 2016/11/17
- 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)

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 = 6.655 V/m; Power Drift = 0.12 dB
Applied MIF = 3.63 dB
RF audio interference level = 28.33 dBV/m
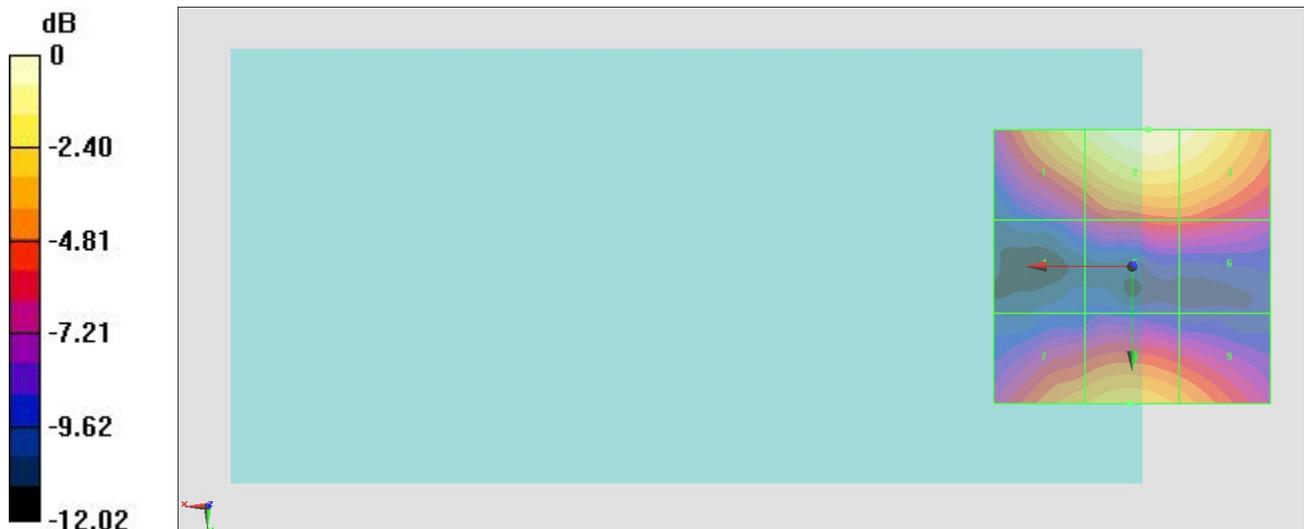**Emission category: M4**

MIF scaled E-field

Grid 1 **M4**	Grid 2 **M4**	Grid 3 **M4**
26.9 dBV/m	**28.33 dBV/m**	**28.02 dBV/m**
Grid 4 **M4**	Grid 5 **M4**	Grid 6 **M4**
21.29 dBV/m	**23.26 dBV/m**	**23.23 dBV/m**
Grid 7 **M4**	Grid 8 **M4**	Grid 9 **M4**
25.16 dBV/m	**25.78 dBV/m**	**24.92 dBV/m**

Cursor:
Total = 28.33 dBV/m
E Category: M4
Location: -3, -25, 8.7 mm

0 dB = 26.08 V/m = 28.33 dBV/m

#06_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/m³
Ambient Temperature：23.5 ℃

DASY5 Configuration
- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2016/1/19;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1399; Calibrated: 2016/11/17
- 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)

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 = 6.451 V/m; Power Drift = -0.17 dB
Applied MIF = 3.63 dB
RF audio interference level = 27.17 dBV/m
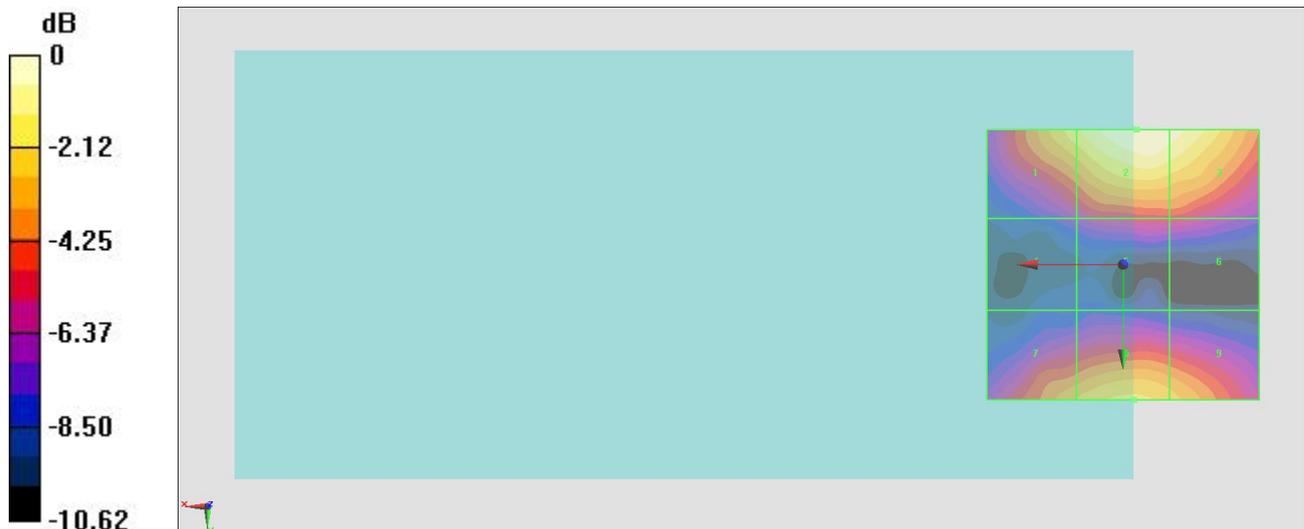**Emission category: M4**

MIF scaled E-field

Grid 1 **M4**	Grid 2 **M4**	Grid 3 **M4**
25.68 dBV/m	**27.17 dBV/m**	**26.85 dBV/m**
Grid 4 **M4**	Grid 5 **M4**	Grid 6 **M4**
20.55 dBV/m	**21.9 dBV/m**	**21.88 dBV/m**
Grid 7 **M4**	Grid 8 **M4**	Grid 9 **M4**
24.44 dBV/m	**25.21 dBV/m**	**24.7 dBV/m**

Cursor:
Total = 27.17 dBV/m
E Category: M4
Location: -2.5, -25, 8.7 mm

0 dB = 22.83 V/m = 27.17 dBV/m

#07_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：23.5 ℃

DASY5 Configuration
- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2016/1/19;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1399; Calibrated: 2016/11/17
- 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)

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 = 7.181 V/m; Power Drift = 0.11 dB

Applied MIF = 3.63 dB

RF audio interference level = 27.52 dBV/m
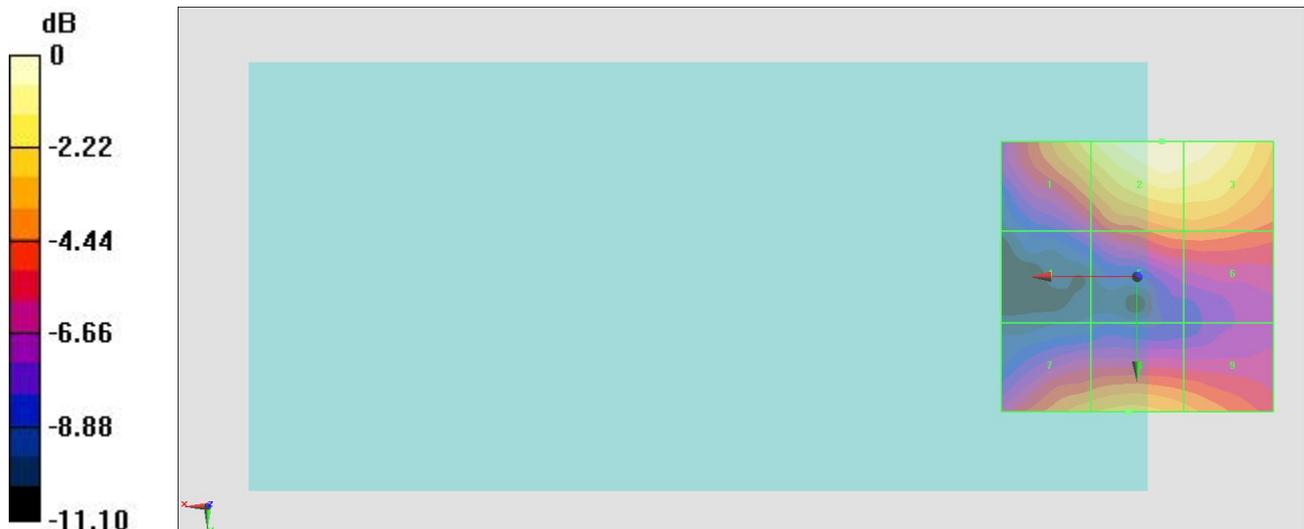
Emission category: M4

MIF scaled E-field

Grid 1 **M4** **25.89 dBV/m**	Grid 2 **M4** **27.52 dBV/m**	Grid 3 **M4** **27.42 dBV/m**
Grid 4 **M4** **20.92 dBV/m**	Grid 5 **M4** **23.77 dBV/m**	Grid 6 **M4** **23.82 dBV/m**
Grid 7 **M4** **24.48 dBV/m**	Grid 8 **M4** **24.88 dBV/m**	Grid 9 **M4** **24.2 dBV/m**

Cursor:
Total = 27.52 dBV/m
E Category: M4
Location: -4.5, -25, 8.7 mm

0 dB = 23.76 V/m = 27.52 dBV/m

#08_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：23.5 ℃

DASY5 Configuration
- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2016/1/19;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1399; Calibrated: 2016/11/17
- 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)

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 = 6.147 V/m; Power Drift = 0.16 dB
Applied MIF = 3.63 dB
RF audio interference level = 26.07 dBV/m
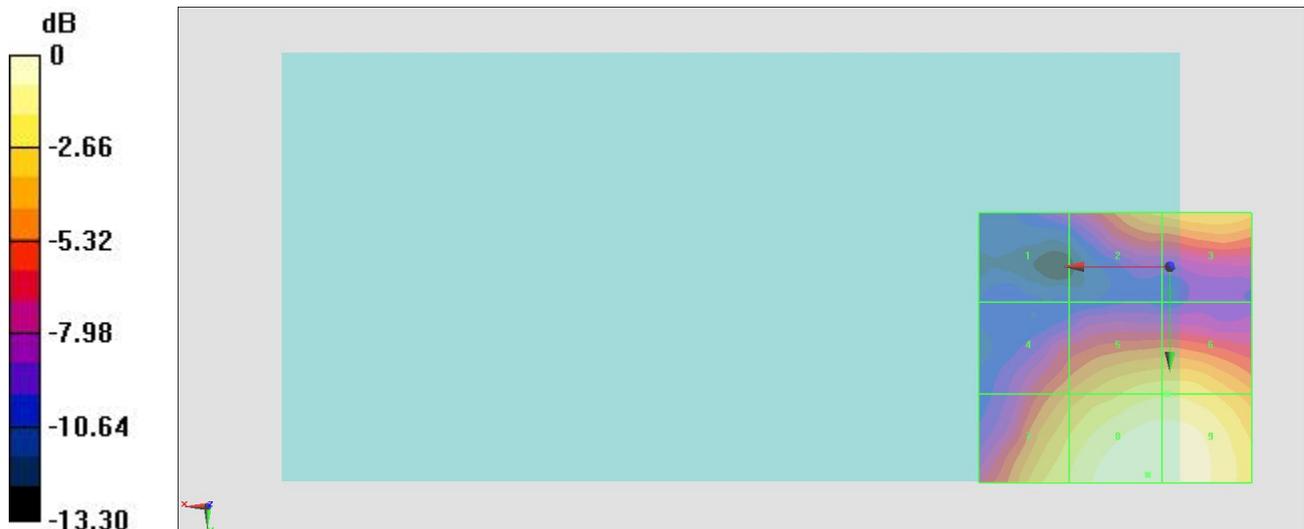**Emission category: M4**

MIF scaled E-field

Grid 1 **M4** 18.17 dBV/m	Grid 2 **M4** 22.85 dBV/m	Grid 3 **M4** 23.48 dBV/m
Grid 4 **M4** 21.73 dBV/m	Grid 5 **M4** 24.13 dBV/m	Grid 6 **M4** 24.14 dBV/m
Grid 7 **M4** 24.37 dBV/m	Grid 8 **M4** 26.07 dBV/m	Grid 9 **M4** 26.03 dBV/m

Cursor:
Total = 26.07 dBV/m
E Category: M4
Location: 4, 38.5, 8.7 mm

0 dB = 20.11 V/m = 26.07 dBV/m