#01_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：23.9 ℃

DASY5 Configuration
- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2016/1/19;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1399; Calibrated: 2015/11/23
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (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 = 42.53 V/m; Power Drift = 0.02 dB

Applied MIF = 3.63 dB

RF audio interference level = 36.16 dBV/m

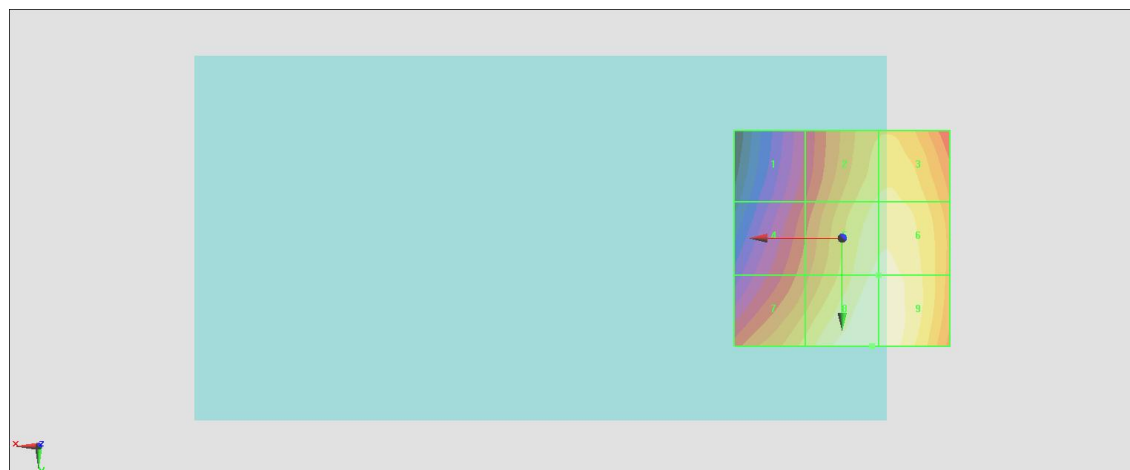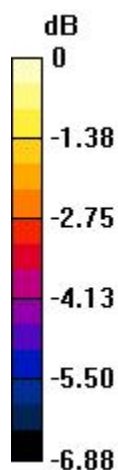**Emission category: M4**

MIF scaled E-field

Grid 1 **M4** **32.99 dBV/m**	Grid 2 **M4** **35.32 dBV/m**	Grid 3 **M4** **35.39 dBV/m**
Grid 4 **M4** **33.74 dBV/m**	Grid 5 **M4** **35.8 dBV/m**	Grid 6 **M4** **35.82 dBV/m**
Grid 7 **M4** **34.98 dBV/m**	Grid 8 **M4** **36.16 dBV/m**	Grid 9 **M4** **36.14 dBV/m**

Cursor:
Total = 36.16 dBV/m
E Category: M4
Location: -7, 25, 8.7 mm

0 dB = 64.27 V/m = 36.16 dBV/m

#02_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: σ = 0 S/m, ε_r = 1; ρ = 1000 kg/m^3
Ambient Temperature：23.9 ℃

DASY5 Configuration
- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2016/1/19;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1399; Calibrated: 2015/11/23
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (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 = 4.845 V/m; Power Drift = -0.11 dB
Applied MIF = 3.63 dB
RF audio interference level = 25.56 dBV/m
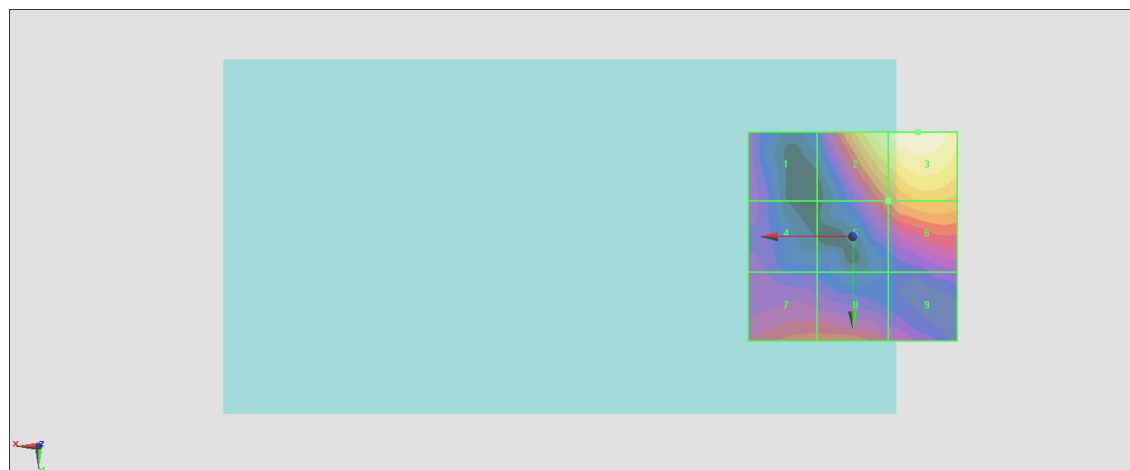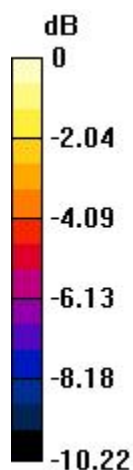**Emission category: M4**

MIF scaled E-field

Grid 1 **M4** **19.53 dBV/m**	Grid 2 **M4** **24.94 dBV/m**	Grid 3 **M4** **25.56 dBV/m**
Grid 4 **M4** **19.19 dBV/m**	Grid 5 **M4** **21.5 dBV/m**	Grid 6 **M4** **22.93 dBV/m**
Grid 7 **M4** **21.42 dBV/m**	Grid 8 **M4** **21.41 dBV/m**	Grid 9 **M4** **20.12 dBV/m**

Cursor:
Total = 25.56 dBV/m
E Category: M4
Location: -15.5, -25, 8.7 mm

0 dB = 18.97 V/m = 25.56 dBV/m

#03_HAC_E_CDMA BC0_1xRTT, RC1 SO3, 18th Rate_Ch384

Communication System: CDMA2000, RC1, SO3, 1/8th Rate 25 fr.; Frequency: 836.52 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：23.9 ℃;

DASY5 Configuration
- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2016/1/19;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1399; Calibrated: 2015/11/23
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

Ch384/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 = 19.36 V/m; Power Drift = 0.01 dB

Applied MIF = 3.26 dB

RF audio interference level = 28.74 dBV/m
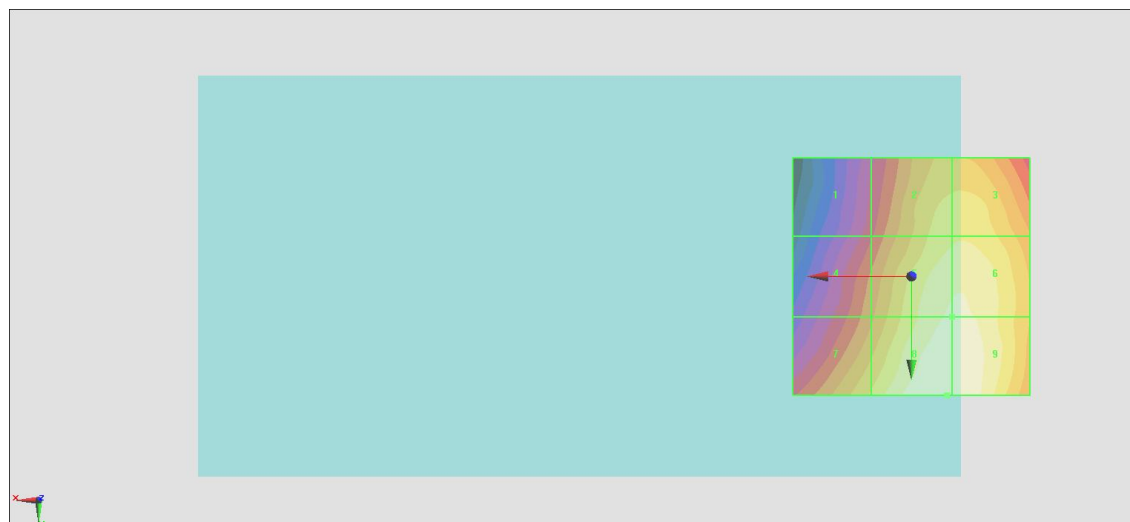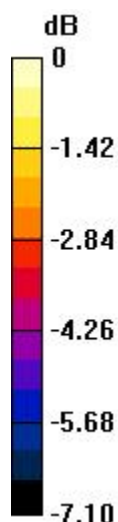
Emission category: M4

MIF scaled E-field

Grid 1 **M4** **25.36 dBV/m**	Grid 2 **M4** **27.72 dBV/m**	Grid 3 **M4** **27.76 dBV/m**
Grid 4 **M4** **26.28 dBV/m**	Grid 5 **M4** **28.34 dBV/m**	Grid 6 **M4** **28.35 dBV/m**
Grid 7 **M4** **27.4 dBV/m**	Grid 8 **M4** **28.74 dBV/m**	Grid 9 **M4** **28.73 dBV/m**

Cursor:
Total = 28.74 dBV/m
E Category: M4
Location: -7.5, 25, 8.7 mm

0 dB = 27.36 V/m = 28.74 dBV/m

#04_HAC_E_CDMA BC1_1xRTT, RC1 SO3, 18th Rate_Ch600

Communication System: CDMA2000, RC1, SO3, 1/8th Rate 25 fr.; Frequency: 1880 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：23.9 ℃

DASY5 Configuration
- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2016/1/19;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1399; Calibrated: 2015/11/23
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

Ch600/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 = 3.792 V/m; Power Drift = -0.07 dB
Applied MIF = 3.26 dB
RF audio interference level = 19.80 dBV/m
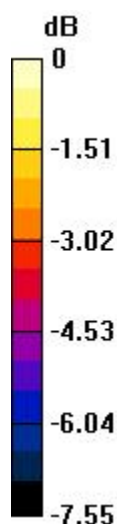**Emission category: M4**

MIF scaled E-field

Grid 1 **M4** **17.95 dBV/m**	Grid 2 **M4** **18.77 dBV/m**	Grid 3 **M4** **19.8 dBV/m**
Grid 4 **M4** **16.35 dBV/m**	Grid 5 **M4** **17.19 dBV/m**	Grid 6 **M4** **18.08 dBV/m**
Grid 7 **M4** **15.51 dBV/m**	Grid 8 **M4** **15.02 dBV/m**	Grid 9 **M4** **15.56 dBV/m**

Cursor:
Total = 19.80 dBV/m
E Category: M4
Location: -15.5, -25, 8.7 mm

0 dB = 9.772 V/m = 19.80 dBV/m

#05_HAC_E_CDMA BC10_1xRTT, RC1 SO3, 18th Rate_Ch684

Communication System: CDMA2000, RC1, SO3, 1/8th Rate 25 fr.; Frequency: 823.1 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：23.9 ℃

DASY5 Configuration
- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2016/1/19;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1399; Calibrated: 2015/11/23
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

Ch684/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 = 16.81 V/m; Power Drift = 0.09 dB
Applied MIF = 3.26 dB
RF audio interference level = 27.41 dBV/m
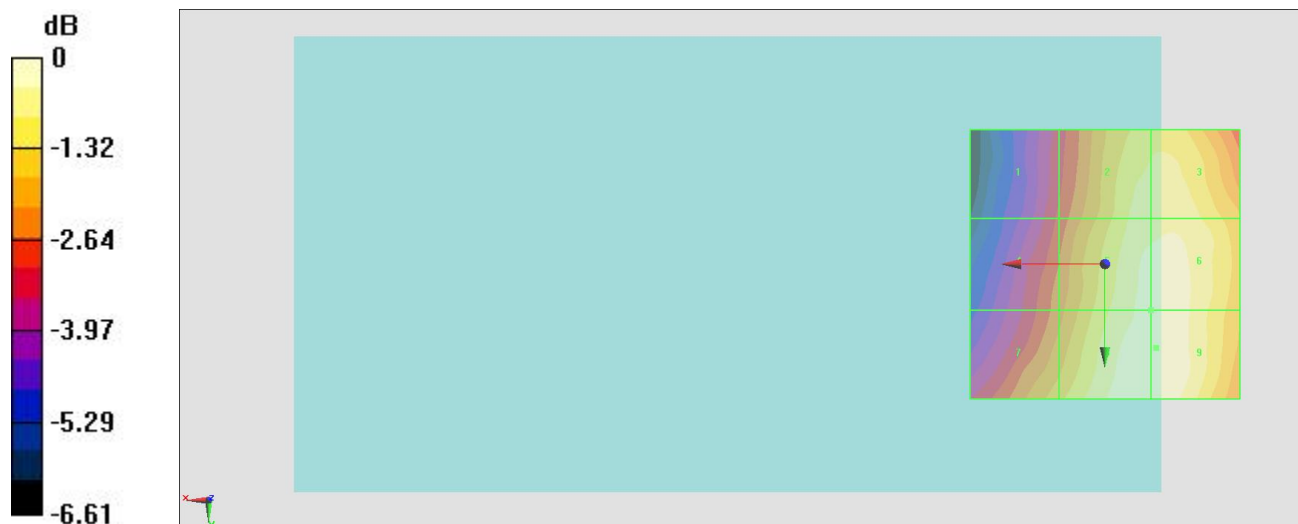**Emission category: M4**

MIF scaled E-field

Grid 1 **M4** 24.46 dBV/m	Grid 2 **M4** 26.86 dBV/m	Grid 3 **M4** 26.91 dBV/m
Grid 4 **M4** 25.05 dBV/m	Grid 5 **M4** 27.23 dBV/m	Grid 6 **M4** 27.29 dBV/m
Grid 7 **M4** 25.96 dBV/m	Grid 8 **M4** 27.39 dBV/m	Grid 9 **M4** 27.41 dBV/m

Cursor:
Total = 27.41 dBV/m
E Category: M4
Location: -9.5, 15.5, 8.7 mm

0 dB = 23.47 V/m = 27.41 dBV/m