#01_HAC_E_GSM835_GSM Voice_Ch128

Communication System: GSM-FDD (TDMA, GMSK); Frequency: 824.2 MHz;Duty Cycle: 1:8.69961
Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\varepsilon_r = 1$; $\rho = 0$ kg/m^3
Ambient Temperature：23.5 ℃

DASY5 Configuration:
- Probe: EF3DV3 - SN4047; ConvF(1, 1, 1) @ 824.2 MHz; Calibrated: 2020/1/24
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1311; Calibrated: 2019/8/27
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (2);SEMCAD X Version 14.6.12 (7470)

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 = 41.65 V/m; Power Drift = -0.00 dB
Applied MIF = 3.63 dB
RF audio interference level = 33.57 dBV/m
Emission category: M4

MIF scaled E-field

Grid 1 **M4** **33.51 dBV/m**	Grid 2 **M4** **33.57 dBV/m**	Grid 3 **M4** **32.92 dBV/m**
Grid 4 **M4** **33.34 dBV/m**	Grid 5 **M4** **33.55 dBV/m**	Grid 6 **M4** **33.01 dBV/m**
Grid 7 **M4** **33.08 dBV/m**	Grid 8 **M4** **33.38 dBV/m**	Grid 9 **M4** **32.89 dBV/m**

Cursor:
Total = 33.57 dBV/m
E Category: M4
Location: 5, -21, 8.7 mm

0 dB = 47.72 V/m = 33.57 dBV/m

#02_HAC_E_GSM835_GSM Voice_Ch189

Communication System: GSM-FDD (TDMA, GMSK); Frequency: 836.4 MHz;Duty Cycle: 1:8.69961
Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\varepsilon_r = 1$; $\rho = 0$ kg/m^3
Ambient Temperature：23.5 ℃

DASY5 Configuration:
- Probe: EF3DV3 - SN4047; ConvF(1, 1, 1) @ 836.4 MHz; Calibrated: 2020/1/24
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1311; Calibrated: 2019/8/27
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (2);SEMCAD X Version 14.6.12 (7470)

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 = 38.56 V/m; Power Drift = -0.01 dB
Applied MIF = 3.63 dB
RF audio interference level = 33.08 dBV/m
Emission category: M4

MIF scaled E-field

Grid 1 **M4** **33.02 dBV/m**	Grid 2 **M4** **33.08 dBV/m**	Grid 3 **M4** **32.28 dBV/m**
Grid 4 **M4** **32.7 dBV/m**	Grid 5 **M4** **32.89 dBV/m**	Grid 6 **M4** **32.28 dBV/m**
Grid 7 **M4** **32.29 dBV/m**	Grid 8 **M4** **32.63 dBV/m**	Grid 9 **M4** **32.1 dBV/m**

Cursor:
Total = 33.08 dBV/m
E Category: M4
Location: 5, -21, 8.7 mm

0 dB = 45.07 V/m = 33.08 dBV/m

#03_HAC_E_GSM835_GSM Voice_Ch251

Communication System: GSM-FDD (TDMA, GMSK); Frequency: 824.2 MHz;Duty Cycle: 1:8.69961
Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\varepsilon_r = 1$; $\rho = 0$ kg/m^3
Ambient Temperature：23.5 ℃

DASY5 Configuration:
- Probe: EF3DV3 - SN4047; ConvF(1, 1, 1) @ 824.2 MHz; Calibrated: 2020/1/24
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1311; Calibrated: 2019/8/27
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (2);SEMCAD X Version 14.6.12 (7470)

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 = 37.88 V/m; Power Drift = -0.09 dB
Applied MIF = 3.63 dB
RF audio interference level = 32.64 dBV/m
Emission category: M4

MIF scaled E-field

Grid 1 **M4** **32.56 dBV/m**	Grid 2 **M4** **32.64 dBV/m**	Grid 3 **M4** **32.05 dBV/m**
Grid 4 **M4** **32.36 dBV/m**	Grid 5 **M4** **32.61 dBV/m**	Grid 6 **M4** **32.08 dBV/m**
Grid 7 **M4** **32.04 dBV/m**	Grid 8 **M4** **32.4 dBV/m**	Grid 9 **M4** **31.9 dBV/m**

Cursor:
Total = 32.64 dBV/m
E Category: M4
Location: 3.5, -22, 8.7 mm

0 dB = 42.86 V/m = 32.64 dBV/m

#04_HAC_E_GSM1900_GSM Voice_Ch512

Communication System: GSM-FDD (TDMA, GMSK); Frequency: 1850.2 MHz;Duty Cycle: 1:8.69961
Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\varepsilon_r = 1$; $\rho = 0$ kg/m^3
Ambient Temperature：23.5 ℃

DASY5 Configuration:
- Probe: EF3DV3 - SN4047; ConvF(1, 1, 1) @ 1850.2 MHz; Calibrated: 2020/1/24
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1311; Calibrated: 2019/8/27
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (2);SEMCAD X Version 14.6.12 (7470)

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 = 8.114 V/m; Power Drift = 0.09 dB
Applied MIF = 3.63 dB
RF audio interference level = 23.13 dBV/m
Emission category: M4

MIF scaled E-field

Grid 1 **M4** **18.45 dBV/m**	Grid 2 **M4** **20.03 dBV/m**	Grid 3 **M4** **18.13 dBV/m**
Grid 4 **M4** **19.88 dBV/m**	Grid 5 **M4** **22.48 dBV/m**	Grid 6 **M4** **21.56 dBV/m**
Grid 7 **M4** **21.52 dBV/m**	Grid 8 **M4** **23.13 dBV/m**	Grid 9 **M4** **23.02 dBV/m**

Cursor:
Total = 23.13 dBV/m
E Category: M4
Location: -1.5, 25, 8.7 mm

0 dB = 14.34 V/m = 23.13 dBV/m

#05_HAC_E_GSM1900_GSM Voice_Ch661

Communication System: GSM-FDD (TDMA, GMSK); Frequency: 1880 MHz;Duty Cycle: 1:8.69961
Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\varepsilon_r = 1$; $\rho = 0$ kg/m^3
Ambient Temperature：23.5 ℃

DASY5 Configuration:
- Probe: EF3DV3 - SN4047; ConvF(1, 1, 1) @ 1880 MHz; Calibrated: 2020/1/24
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1311; Calibrated: 2019/8/27
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (2);SEMCAD X Version 14.6.12 (7470)

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 = 8.013 V/m; Power Drift = 0.04 dB
Applied MIF = 3.63 dB
RF audio interference level = 23.88 dBV/m
Emission category: M4

MIF scaled E-field

Grid 1 **M4** **20.25 dBV/m**	Grid 2 **M4** **21.48 dBV/m**	Grid 3 **M4** **20.54 dBV/m**
Grid 4 **M4** **19.13 dBV/m**	Grid 5 **M4** **22.33 dBV/m**	Grid 6 **M4** **21.73 dBV/m**
Grid 7 **M4** **22.32 dBV/m**	Grid 8 **M4** **23.88 dBV/m**	Grid 9 **M4** **23.77 dBV/m**

Cursor:
Total = 23.88 dBV/m
E Category: M4
Location: -5.5, 25, 8.7 mm

0 dB = 15.63 V/m = 23.88 dBV/m

#06_HAC_E_GSM1900_GSM Voice_Ch810

Communication System: GSM-FDD (TDMA, GMSK); Frequency: 1909.8 MHz;Duty Cycle: 1:8.69961
Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\varepsilon_r = 1$; $\rho = 0$ kg/m^3
Ambient Temperature：23.5 ℃

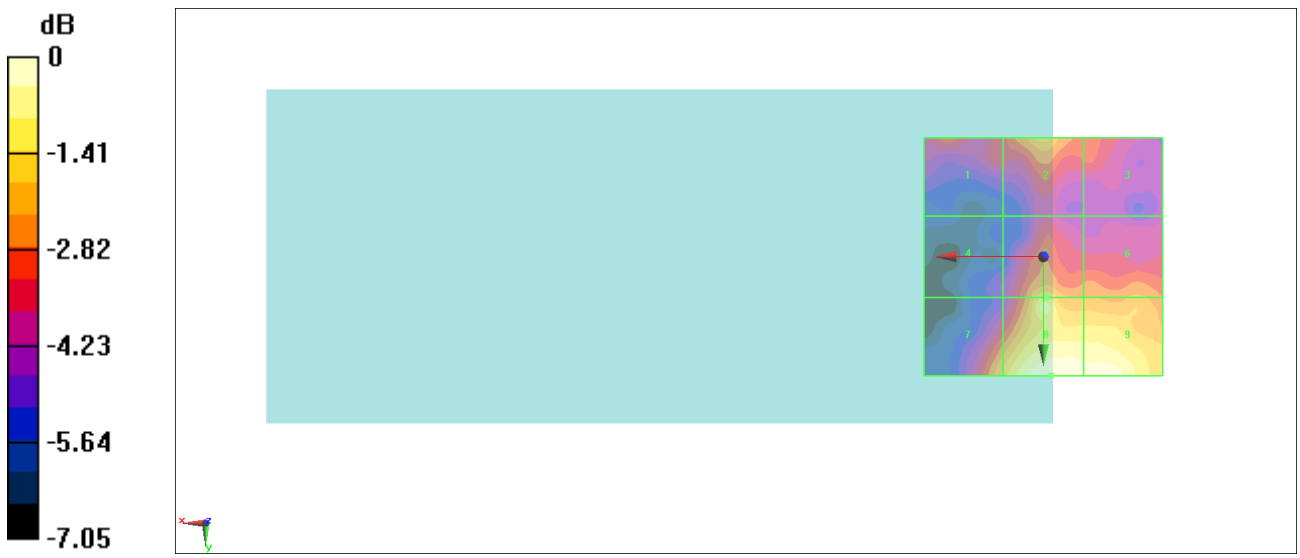
DASY5 Configuration:
- Probe: EF3DV3 - SN4047; ConvF(1, 1, 1) @ 1909.8 MHz; Calibrated: 2020/1/24
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1311; Calibrated: 2019/8/27
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (2);SEMCAD X Version 14.6.12 (7470)

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 = 7.766 V/m; Power Drift = 0.16 dB
Applied MIF = 3.63 dB
RF audio interference level = 23.66 dBV/m
Emission category: M4

MIF scaled E-field

Grid 1 **M4** **20.8 dBV/m**	Grid 2 **M4** **22.03 dBV/m**	Grid 3 **M4** **20.76 dBV/m**
Grid 4 **M4** **19.12 dBV/m**	Grid 5 **M4** **22.33 dBV/m**	Grid 6 **M4** **21.45 dBV/m**
Grid 7 **M4** **22.02 dBV/m**	Grid 8 **M4** **23.66 dBV/m**	Grid 9 **M4** **23.6 dBV/m**

Cursor:
Total = 23.66 dBV/m
E Category: M4
Location: -1.5, 25, 8.7 mm



0 dB = 15.24 V/m = 23.66 dBV/m

#07_HAC_E_LTE Band 41_20M_QPSK_1_99_Ch39750

Communication System: LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK); Frequency: 2506 MHz;Duty Cycle: 1:8.33105
Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\varepsilon_r = 1$; $\rho = 0$ kg/m^3
Ambient Temperature：23.5 ℃

DASY5 Configuration:
- Probe: EF3DV3 - SN4047; ConvF(1, 1, 1) @ 2506 MHz; Calibrated: 2020/1/24
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1311; Calibrated: 2019/8/27
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (2);SEMCAD X Version 14.6.12 (7470)

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 = 11.49 V/m; Power Drift = -0.08 dB
Applied MIF = -1.62 dB
RF audio interference level = 20.36 dBV/m
Emission category: M4

MIF scaled E-field

Grid 1 **M4** **20.36 dBV/m**	Grid 2 **M4** **19.25 dBV/m**	Grid 3 **M4** **18.9 dBV/m**
Grid 4 **M4** **18.52 dBV/m**	Grid 5 **M4** **18.8 dBV/m**	Grid 6 **M4** **18.59 dBV/m**
Grid 7 **M4** **15.94 dBV/m**	Grid 8 **M4** **18.35 dBV/m**	Grid 9 **M4** **17.39 dBV/m**

Cursor:
Total = 20.36 dBV/m
E Category: M4
Location: 25, -25, 8.7 mm

0 dB = 10.42 V/m = 20.36 dBV/m

#08_HAC_E_LTE Band 41_20M_QPSK_1_99_Ch40185

Communication System: LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK); Frequency: 2549.5 MHz;Duty Cycle: 1:8.33105
Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\varepsilon_r = 1$; $\rho = 0$ kg/m^3
Ambient Temperature：23.5 ℃

DASY5 Configuration:
- Probe: EF3DV3 - SN4047; ConvF(1, 1, 1) @ 2549.5 MHz; Calibrated: 2020/1/24
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1311; Calibrated: 2019/8/27
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (2);SEMCAD X Version 14.6.12 (7470)

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 = 10.08 V/m; Power Drift = 0.09 dB
Applied MIF = -1.62 dB
RF audio interference level = 19.44 dBV/m
Emission category: M4

MIF scaled E-field

Grid 1 **M4** **18.25 dBV/m**	Grid 2 **M4** **19.44 dBV/m**	Grid 3 **M4** **19.44 dBV/m**
Grid 4 **M4** **17.17 dBV/m**	Grid 5 **M4** **19.06 dBV/m**	Grid 6 **M4** **19.04 dBV/m**
Grid 7 **M4** **16.75 dBV/m**	Grid 8 **M4** **17.1 dBV/m**	Grid 9 **M4** **17.37 dBV/m**

Cursor:
Total = 19.44 dBV/m
E Category: M4
Location: -9, -19.5, 8.7 mm

0 dB = 9.377 V/m = 19.44 dBV/m

#09_HAC_E_LTE Band 41_20M_QPSK_1_99_Ch40620

Communication System: LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK); Frequency: 2593 MHz;Duty Cycle: 1:8.33105
Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\varepsilon_r = 1$; $\rho = 0$ kg/m^3
Ambient Temperature：23.5 ℃

DASY5 Configuration:
- Probe: EF3DV3 - SN4047; ConvF(1, 1, 1) @ 2593 MHz; Calibrated: 2020/1/24
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1311; Calibrated: 2019/8/27
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (2);SEMCAD X Version 14.6.12 (7470)

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 = 11.59 V/m; Power Drift = -0.03 dB
Applied MIF = -1.62 dB
RF audio interference level = 19.98 dBV/m
Emission category: M4

MIF scaled E-field

Grid 1 **M4** **18.44 dBV/m**	Grid 2 **M4** **19.98 dBV/m**	Grid 3 **M4** **19.81 dBV/m**
Grid 4 **M4** **17.5 dBV/m**	Grid 5 **M4** **19.41 dBV/m**	Grid 6 **M4** **19.31 dBV/m**
Grid 7 **M4** **17.17 dBV/m**	Grid 8 **M4** **17.57 dBV/m**	Grid 9 **M4** **17.35 dBV/m**

Cursor:
Total = 19.98 dBV/m
E Category: M4
Location: -5, -21, 8.7 mm

0 dB = 9.973 V/m = 19.98 dBV/m

#10_HAC_E_LTE Band 41_20M_QPSK_1_99_Ch41055

Communication System: LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK); Frequency: 2636.5 MHz;Duty Cycle: 1:8.33105
Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\varepsilon_r = 1$; $\rho = 0$ kg/m^3
Ambient Temperature：23.5 ℃

DASY5 Configuration:
- Probe: EF3DV3 - SN4047; ConvF(1, 1, 1) @ 2636.5 MHz; Calibrated: 2020/1/24
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1311; Calibrated: 2019/8/27
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (2);SEMCAD X Version 14.6.12 (7470)

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 = 11.93 V/m; Power Drift = -0.04 dB
Applied MIF = -1.62 dB
RF audio interference level = 20.68 dBV/m
Emission category: M4

MIF scaled E-field

Grid 1 **M4** **20.68 dBV/m**	Grid 2 **M4** **20.44 dBV/m**	Grid 3 **M4** **20.44 dBV/m**
Grid 4 **M4** **19.25 dBV/m**	Grid 5 **M4** **19.82 dBV/m**	Grid 6 **M4** **19.25 dBV/m**
Grid 7 **M4** **19.79 dBV/m**	Grid 8 **M4** **17.85 dBV/m**	Grid 9 **M4** **17.6 dBV/m**

Cursor:
Total = 20.68 dBV/m
E Category: M4
Location: 25, -25, 8.7 mm

0 dB = 10.82 V/m = 20.68 dBV/m

#11_HAC_E_LTE Band 41_20M_QPSK_1_99_Ch41490

Communication System: LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK); Frequency: 2680 MHz;Duty Cycle: 1:8.33105
Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\varepsilon_r = 1$; $\rho = 0$ kg/m^3
Ambient Temperature：23.5 ℃

DASY5 Configuration:
- Probe: EF3DV3 - SN4047; ConvF(1, 1, 1) @ 2680 MHz; Calibrated: 2020/1/24
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1311; Calibrated: 2019/8/27
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (2);SEMCAD X Version 14.6.12 (7470)

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 = 12.77 V/m; Power Drift = 0.04 dB
Applied MIF = -1.62 dB
RF audio interference level = 20.36 dBV/m
Emission category: M4

MIF scaled E-field

Grid 1 **M4** **19.77 dBV/m**	Grid 2 **M4** **20.36 dBV/m**	Grid 3 **M4** **20.29 dBV/m**
Grid 4 **M4** **19.25 dBV/m**	Grid 5 **M4** **20.21 dBV/m**	Grid 6 **M4** **20.21 dBV/m**
Grid 7 **M4** **19 dBV/m**	Grid 8 **M4** **18.87 dBV/m**	Grid 9 **M4** **18.54 dBV/m**

Cursor:
Total = 20.36 dBV/m
E Category: M4
Location: -5, -19.5, 8.7 mm

0 dB = 10.43 V/m = 20.37 dBV/m