# #01_HAC_E_GSM850_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：23.7 ℃

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 (4);SEMCAD X Version 14.6.14 (7483)

**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 = 70.74 V/m; Power Drift = -0.01 dB
Applied MIF = 3.63 dB
RF audio interference level = 36.73 dBV/m
**Emission category: M4**

MIF scaled E-field

| | | |
|---|---|---|
| Grid 1 **M4** **35.96 dBV/m** | Grid 2 **M4** **36.34 dBV/m** | Grid 3 **M4** **35.75 dBV/m** |
| Grid 4 **M4** **36.3 dBV/m** | Grid 5 **M4** **36.58 dBV/m** | Grid 6 **M4** **35.86 dBV/m** |
| Grid 7 **M4** **36.67 dBV/m** | Grid 8 **M4** **36.73 dBV/m** | Grid 9 **M4** **35.74 dBV/m** |

**Cursor:**
Total = 36.73 dBV/m
E Category: M4
Location: 5.5, 25, 8.7 mm




0 dB = 68.66 V/m = 36.73 dBV/m

# #02_HAC_E_GSM850_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：23.7 ℃

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 (4);SEMCAD X Version 14.6.14 (7483)

**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 = 60.54 V/m; Power Drift = 0.05 dB
Applied MIF = 3.63 dB
RF audio interference level = 36.74 dBV/m
**Emission category: M4**

MIF scaled E-field

| | | |
|---|---|---|
| Grid 1 **M4** **35.9 dBV/m** | Grid 2 **M4** **35.93 dBV/m** | Grid 3 **M4** **34.26 dBV/m** |
| Grid 4 **M4** **36.19 dBV/m** | Grid 5 **M4** **36.41 dBV/m** | Grid 6 **M4** **35.08 dBV/m** |
| Grid 7 **M4** **36.51 dBV/m** | Grid 8 **M4** **36.74 dBV/m** | Grid 9 **M4** **35.37 dBV/m** |

**Cursor:**
Total = 36.74 dBV/m
E Category: M4
Location: 1.5, 20.5, 8.7 mm




0 dB = 68.68 V/m = 36.74 dBV/m

# #03_HAC_E_GSM850_GSM Voice_Ch251

Communication System: GSM-FDD (TDMA, GMSK); Frequency: 848.8 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：23.7 ℃

DASY5 Configuration:
- Probe: EF3DV3 - SN4047; ConvF(1, 1, 1) @ 848.8 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 (4);SEMCAD X Version 14.6.14 (7483)

**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 = 49.26 V/m; Power Drift = 0.02 dB
Applied MIF = 3.63 dB
RF audio interference level = 35.14 dBV/m
**Emission category: M4**

MIF scaled E-field

| | | |
|---|---|---|
| Grid 1 **M4** **34.38 dBV/m** | Grid 2 **M4** **34.44 dBV/m** | Grid 3 **M4** **32.93 dBV/m** |
| Grid 4 **M4** **34.69 dBV/m** | Grid 5 **M4** **34.89 dBV/m** | Grid 6 **M4** **33.87 dBV/m** |
| Grid 7 **M4** **34.96 dBV/m** | Grid 8 **M4** **35.14 dBV/m** | Grid 9 **M4** **34.19 dBV/m** |

**Cursor:**
Total = 35.14 dBV/m
E Category: M4
Location: 2.5, 23.5, 8.7 mm




0 dB = 57.16 V/m = 35.14 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：23.7 ℃

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 (4);SEMCAD X Version 14.6.14 (7483)

**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 = 11.43 V/m; Power Drift = -0.04 dB
Applied MIF = 3.63 dB
RF audio interference level = 23.91 dBV/m
**Emission category: M4**

MIF scaled E-field

| | | |
|---|---|---|
| Grid 1 **M4** **20.3 dBV/m** | Grid 2 **M4** **22.56 dBV/m** | Grid 3 **M4** **22.56 dBV/m** |
| Grid 4 **M4** **21.95 dBV/m** | Grid 5 **M4** **22.91 dBV/m** | Grid 6 **M4** **22.93 dBV/m** |
| Grid 7 **M4** **23.91 dBV/m** | Grid 8 **M4** **23.37 dBV/m** | Grid 9 **M4** **23.23 dBV/m** |

**Cursor:**
Total = 23.91 dBV/m
E Category: M4
Location: 25, 25, 8.7 mm




0 dB = 15.68 V/m = 23.91 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：23.7 ℃

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 (4);SEMCAD X Version 14.6.14 (7483)

**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 = 15.07 V/m; Power Drift = 0.01 dB
Applied MIF = 3.63 dB
RF audio interference level = 26.89 dBV/m
**Emission category: M4**

MIF scaled E-field

| | | |
|---|---|---|
| Grid 1 **M4** **20.97 dBV/m** | Grid 2 **M4** **23.85 dBV/m** | Grid 3 **M4** **23.83 dBV/m** |
| Grid 4 **M4** **23.79 dBV/m** | Grid 5 **M4** **25.99 dBV/m** | Grid 6 **M4** **25.98 dBV/m** |
| Grid 7 **M4** **26.07 dBV/m** | Grid 8 **M4** **26.89 dBV/m** | Grid 9 **M4** **26.68 dBV/m** |

**Cursor:**
Total = 26.89 dBV/m
E Category: M4
Location: -1.5, 25, 8.7 mm




0 dB = 22.10 V/m = 26.89 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：23.7 ℃

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 (4);SEMCAD X Version 14.6.14 (7483)

**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 = 16.94 V/m; Power Drift = 0.05 dB
Applied MIF = 3.63 dB
RF audio interference level = 27.70 dBV/m
**Emission category: M4**

MIF scaled E-field

| | | |
|---|---|---|
| Grid 1 **M4** **22.11 dBV/m** | Grid 2 **M4** **24.86 dBV/m** | Grid 3 **M4** **24.86 dBV/m** |
| Grid 4 **M4** **24.65 dBV/m** | Grid 5 **M4** **26.95 dBV/m** | Grid 6 **M4** **26.92 dBV/m** |
| Grid 7 **M4** **26.77 dBV/m** | Grid 8 **M4** **27.7 dBV/m** | Grid 9 **M4** **27.47 dBV/m** |

**Cursor:**
Total = 27.70 dBV/m
E Category: M4
Location: -1.5, 25, 8.7 mm




0 dB = 24.26 V/m = 27.70 dBV/m

# #07_HAC_E_WLAN2.4GHz_802.11g 6Mbps_Ch1

Communication System: 802.11g ; Frequency: 2412 MHz;Duty Cycle:1:12.5777
Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\varepsilon_r = 1$; $\rho = 0$ kg/m$^3$
Ambient Temperature：23.7 ℃

DASY5 Configuration:
- Probe: EF3DV3 - SN4047; ConvF(1, 1, 1) @ 2412 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 (4);SEMCAD X Version 14.6.14 (7483)

**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 = 35.94 V/m; Power Drift = -0.01 dB
Applied MIF = 0.12 dB
RF audio interference level = 27.72 dBV/m
**Emission category: M4**

MIF scaled E-field

| | | |
|---|---|---|
| Grid 1 **M4** **26.14 dBV/m** | Grid 2 **M4** **26.86 dBV/m** | Grid 3 **M4** **26.33 dBV/m** |
| Grid 4 **M4** **26.71 dBV/m** | Grid 5 **M4** **27.31 dBV/m** | Grid 6 **M4** **26.63 dBV/m** |
| Grid 7 **M4** **27.5 dBV/m** | Grid 8 **M4** **27.72 dBV/m** | Grid 9 **M4** **26.88 dBV/m** |

**Cursor:**
Total = 27.72 dBV/m
E Category: M4
Location: 1.5, 25, 8.7 mm




0 dB = 24.33 V/m = 27.72 dBV/m

# #08_HAC_E_WLAN2.4GHz_802.11g 6Mbps_Ch6

Communication System: 802.11g ; Frequency: 2437 MHz;Duty Cycle:1:12.5777
Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\varepsilon_r = 1$; $\rho = 0$ kg/m$^3$
Ambient Temperature：23.7 ℃

DASY5 Configuration:
- Probe: EF3DV3 - SN4047; ConvF(1, 1, 1) @ 2437 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 (4);SEMCAD X Version 14.6.14 (7483)

**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 = 37.42 V/m; Power Drift = -0.05 dB
Applied MIF = 0.12 dB
RF audio interference level = 28.68 dBV/m
**Emission category: M4**

MIF scaled E-field

| | | |
|---|---|---|
| Grid 1 **M4** **26.45 dBV/m** | Grid 2 **M4** **27.27 dBV/m** | Grid 3 **M4** **26.78 dBV/m** |
| Grid 4 **M4** **26.89 dBV/m** | Grid 5 **M4** **27.62 dBV/m** | Grid 6 **M4** **27.11 dBV/m** |
| Grid 7 **M4** **28.31 dBV/m** | Grid 8 **M4** **28.68 dBV/m** | Grid 9 **M4** **27.91 dBV/m** |

**Cursor:**
Total = 28.68 dBV/m
E Category: M4
Location: 1.5, 25, 8.7 mm




0 dB = 27.15 V/m = 28.67 dBV/m

# #09_HAC_E_WLAN2.4GHz_802.11g 6Mbps_Ch11

Communication System: 802.11g ; Frequency: 2462 MHz;Duty Cycle:1:12.5777
Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\varepsilon_r = 1$; $\rho = 0$ kg/m$^3$
Ambient Temperature：23.7 ℃

DASY5 Configuration:
- Probe: EF3DV3 - SN4047; ConvF(1, 1, 1) @ 2462 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 (4);SEMCAD X Version 14.6.14 (7483)

**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 = 31.55 V/m; Power Drift = -0.01 dB
Applied MIF = 0.12 dB
RF audio interference level = 27.63 dBV/m
**Emission category: M4**

MIF scaled E-field

| | | |
|---|---|---|
| Grid 1 **M4** **24.95 dBV/m** | Grid 2 **M4** **25.84 dBV/m** | Grid 3 **M4** **25.36 dBV/m** |
| Grid 4 **M4** **25.46 dBV/m** | Grid 5 **M4** **26.26 dBV/m** | Grid 6 **M4** **25.84 dBV/m** |
| Grid 7 **M4** **27.25 dBV/m** | Grid 8 **M4** **27.63 dBV/m** | Grid 9 **M4** **26.91 dBV/m** |

**Cursor:**
Total = 27.63 dBV/m
E Category: M4
Location: 1, 25, 8.7 mm




0 dB = 24.08 V/m = 27.63 dBV/m