

FCC Part 22 Transmitter Certification

Test Report

FCC ID: DNY0C5EKLIT0800

FCC Rule Part: CFR 47 Part 22 Subpart H

ACS Report Number: 05-0459-22H-A

Manufacturer: EMS Wireless
Equipment Type: Cellular Fiber-optic RF Distribution Remote Unit
Model: EkoLite II 800

Test Begin Date: January 6, 2006

Test End Date: February 8, 2006

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FOR THE SCOPE OF ACCREDITATION UNDER LAB Code 200612

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This report contains 13 pages

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1.0 Occupied Bandwidth (Input vs. Output)

1.1 CDMA

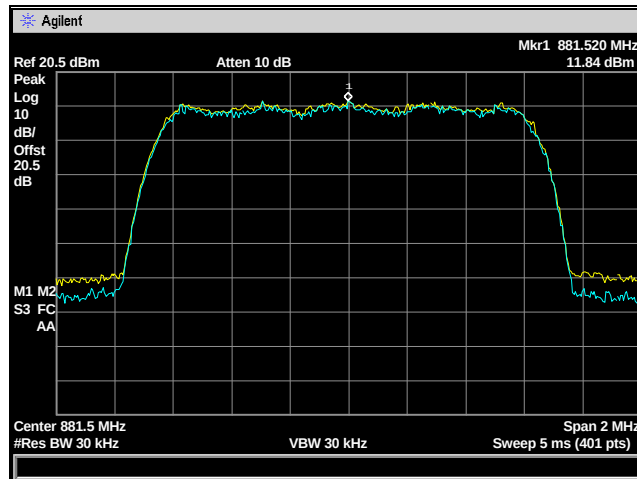


Figure 1: Occupied Bandwidth - CDMA Mid Channel

1.2 TDMA

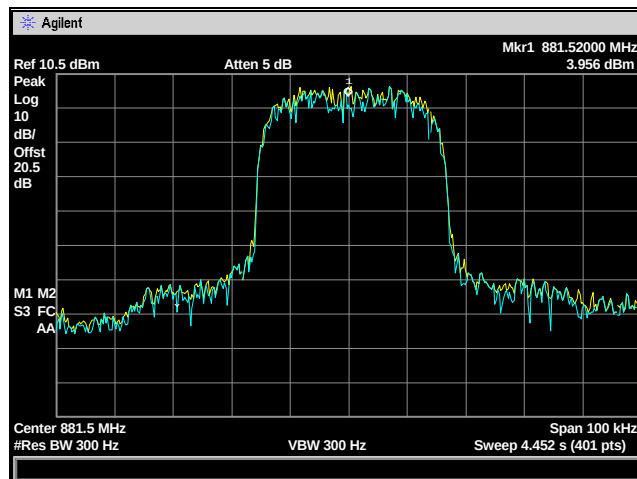


Figure 2: Occupied Bandwidth - TDMA Mid Channel

1.3 GSM

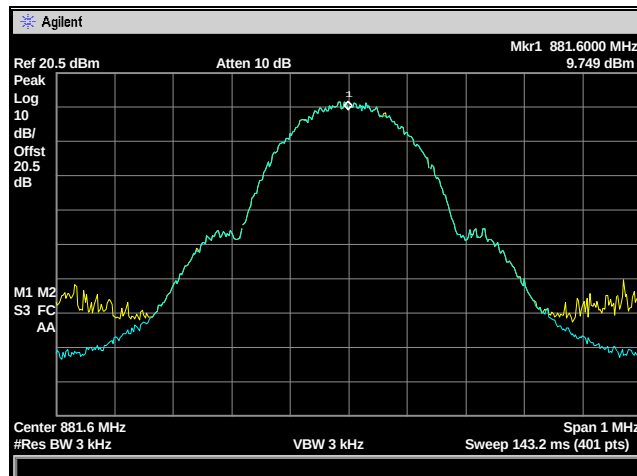


Figure 3: Occupied Bandwidth - GSM Mid Channel

2.0 Spurious Emissions at Antenna Terminals and Inter-modulation Products

2.1 CDMA

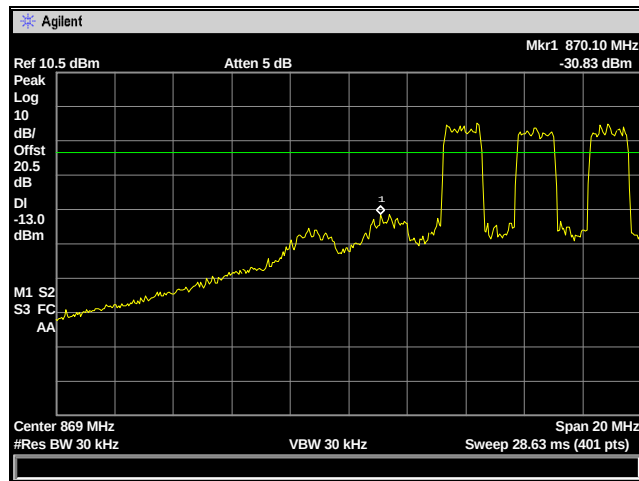


Figure 4: Spurious Emissions - CDMA Low Channel – In Band

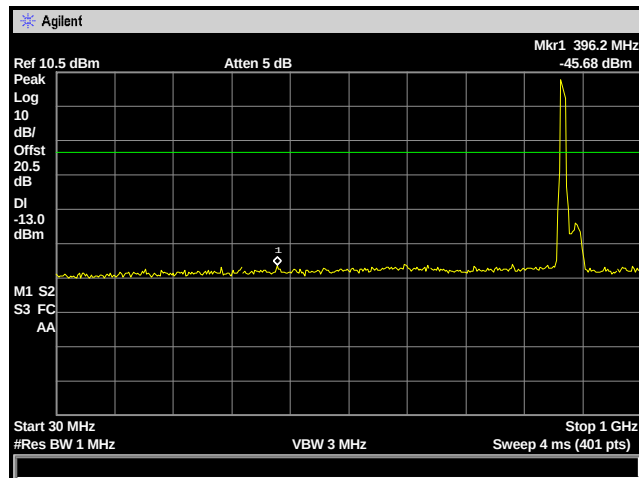


Figure 5: Spurious Emissions - CDMA Low Channel – 30 MHz to 1.0 GHz

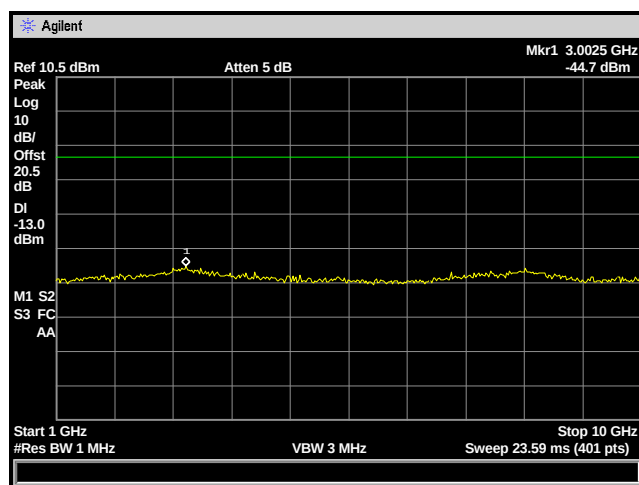


Figure 6: Spurious Emissions - CDMA Low Channel – 1.0 to 10 GHz

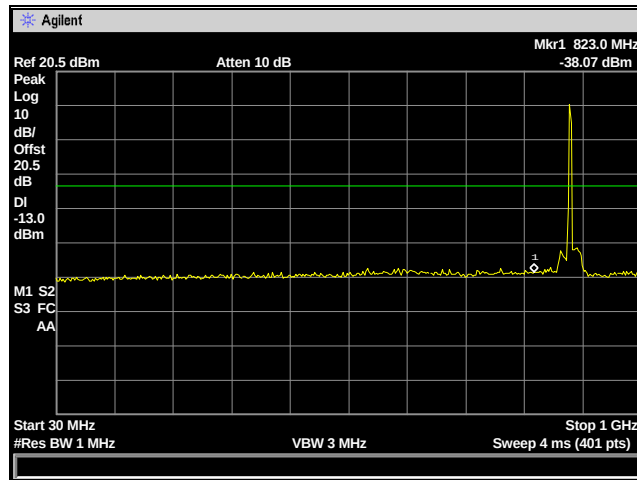


Figure 7: Spurious Emissions - CDMA Mid Channel – 30 MHz to 1.0 GHz

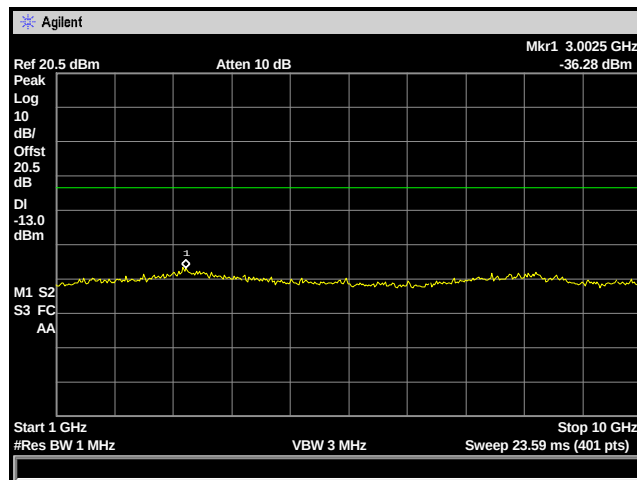


Figure 8: Spurious Emissions - CDMA Mid Channel – 1.0 to 10 GHz

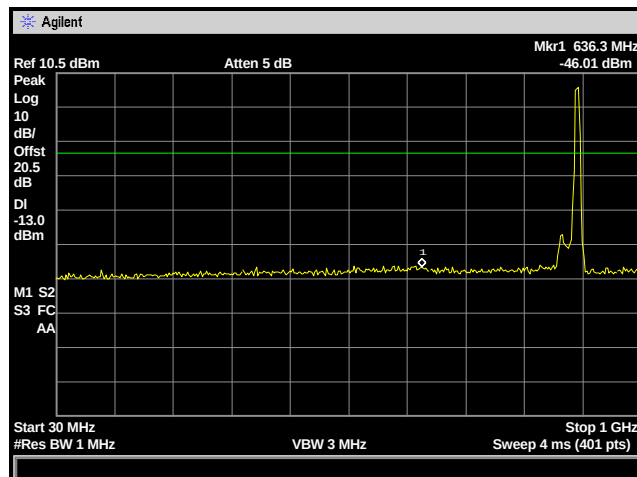


Figure 9: Spurious Emissions - CDMA High Channel – 30 MHz to 1.0 GHz

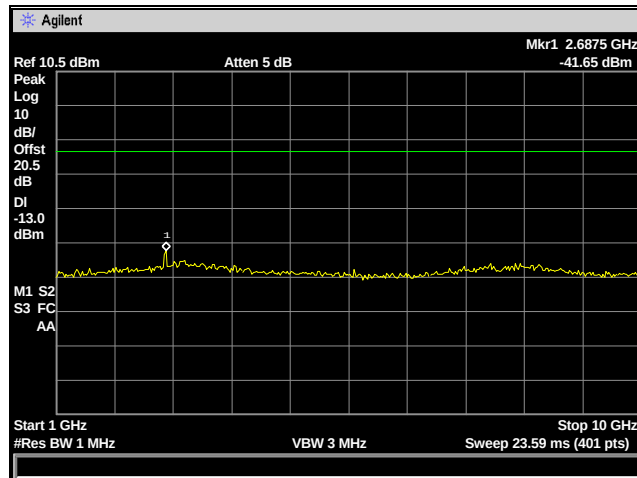


Figure 10: Spurious Emissions - CDMA High Channel – 1.0 to 10 GHz

2.2 TDMA

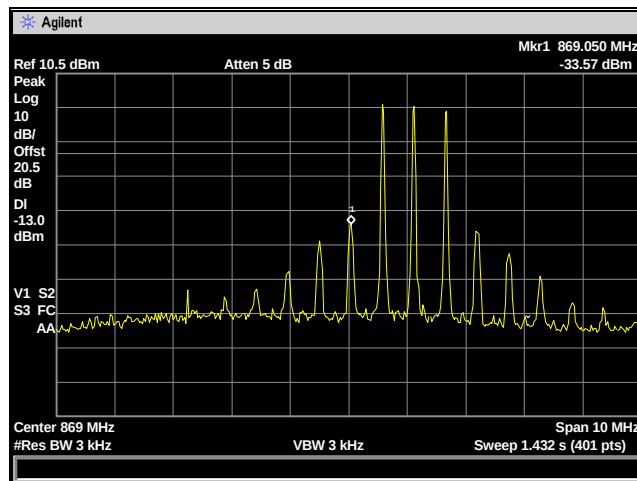


Figure 11: Spurious Emissions - TDMA Low Channel – In Band

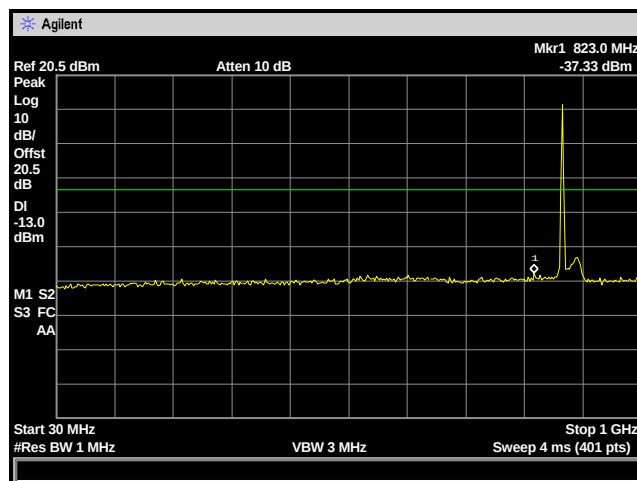


Figure 12: Spurious Emissions - TDMA Low Channel – 30 MHz to 1.0 GHz

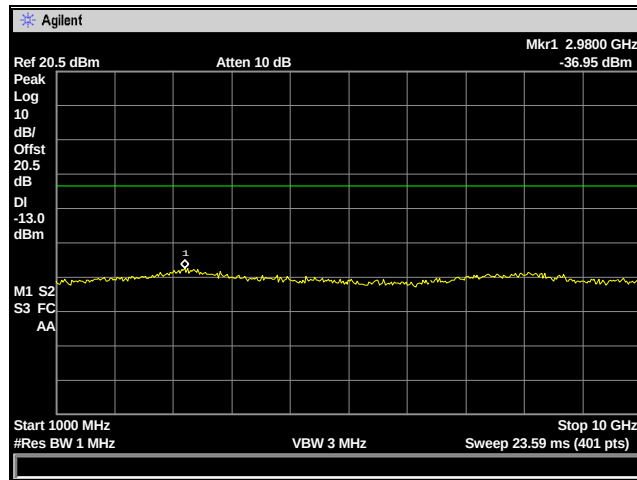


Figure 13: Spurious Emissions - TDMA Low Channel – 1.0 to 10 GHz

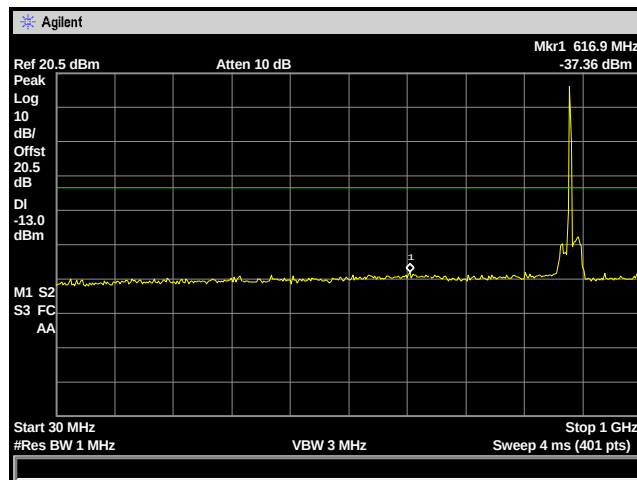


Figure 14: Spurious Emissions - TDMA Mid Channel – 30 MHz to 1.0 GHz

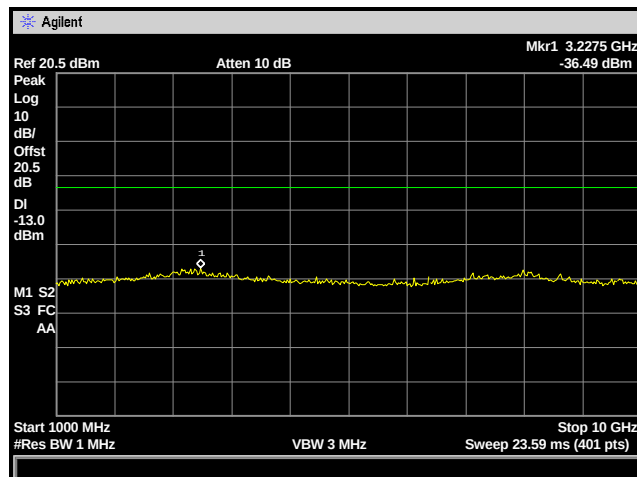


Figure 15: Spurious Emissions - TDMA Mid Channel – 1.0 to 10 GHz

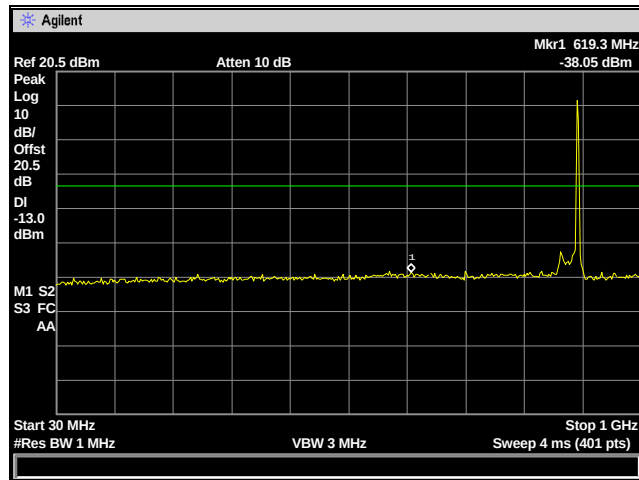


Figure 16: Spurious Emissions - TDMA High Channel – 30 MHz to 1.0 GHz

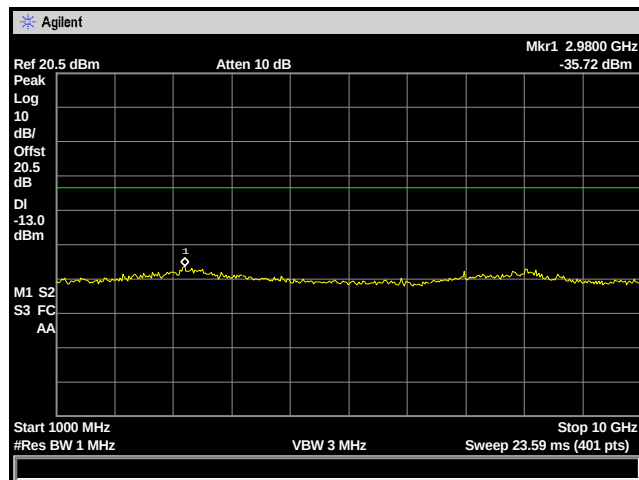


Figure 17: Spurious Emissions - TDMA High Channel – 1.0 to 10 GHz

2.3 CW – Covers FM (GSM and F1D)

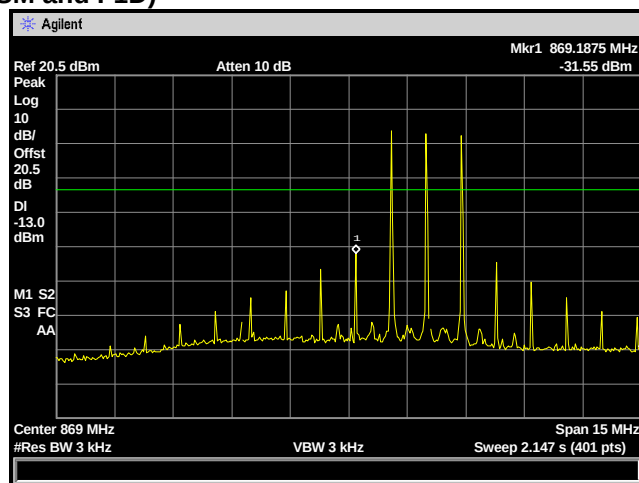


Figure 18: Spurious Emissions – CW Low Channel – In Band

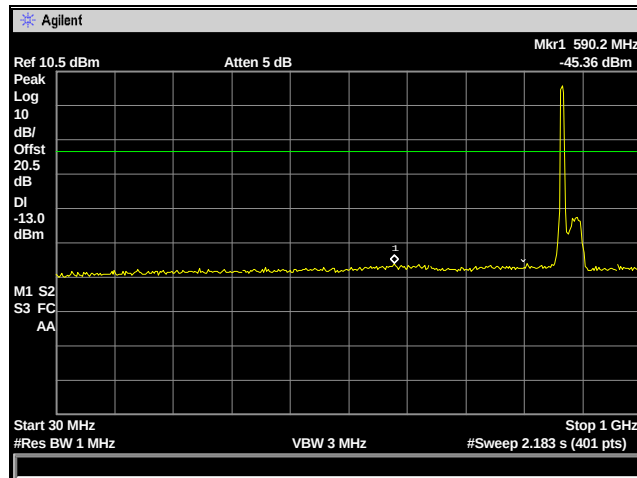


Figure 19: Spurious Emissions – CW Low Channel – 30 MHz to 1.0 GHz

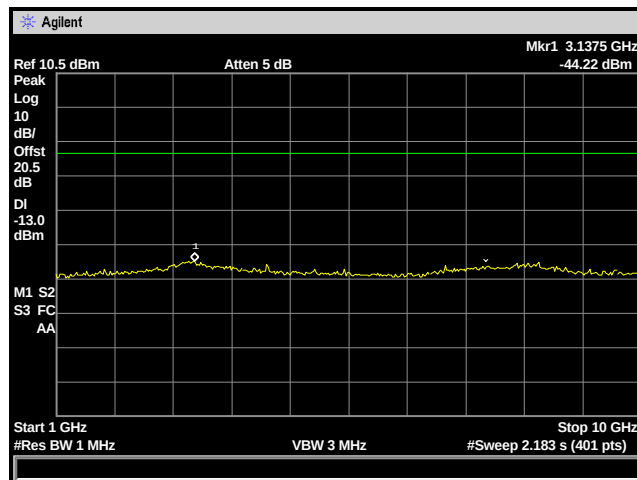


Figure 20: Spurious Emissions – CW Low Channel – 1.0 to 10 GHz

2.4 GSM

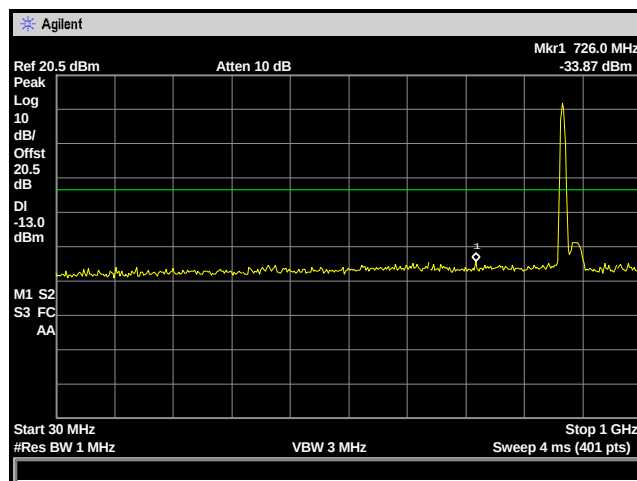


Figure 21: Spurious Emissions - GSM Low Channel – 30 MHz to 1.0 GHz

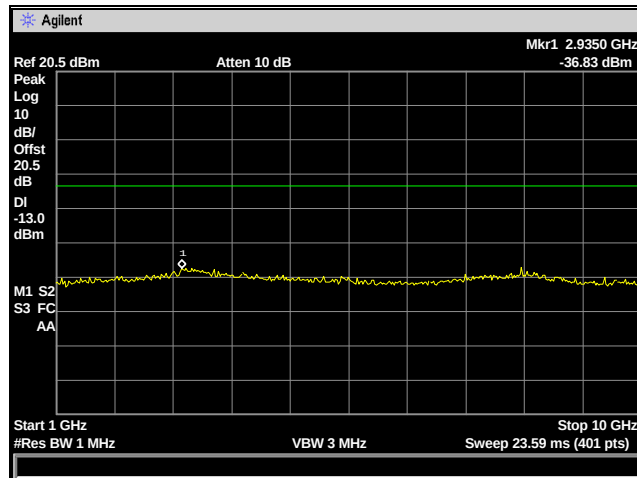


Figure 22: Spurious Emissions - GSM Low Channel – 1.0 to 10 GHz

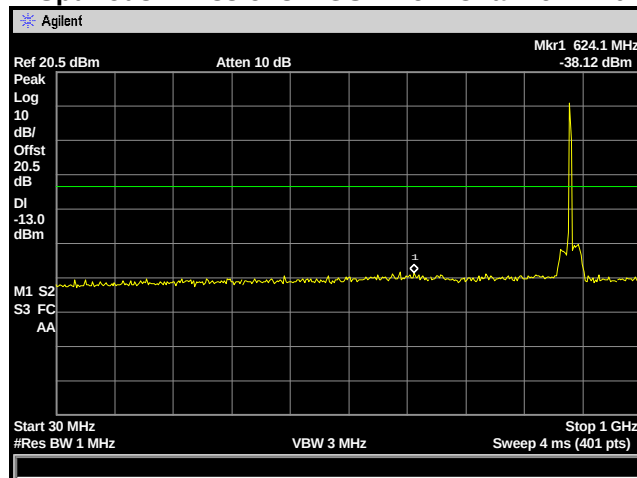


Figure 23: Spurious Emissions - GSM Mid Channel – 30 MHz to 1.0 GHz

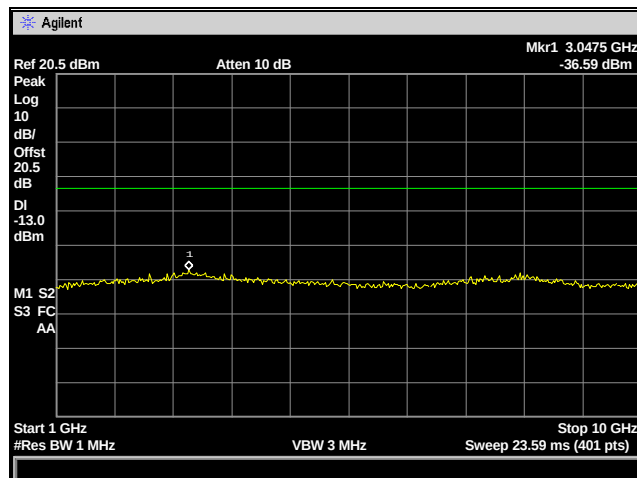


Figure 24: Spurious Emissions - GSM Mid Channel – 1.0 to 10 GHz

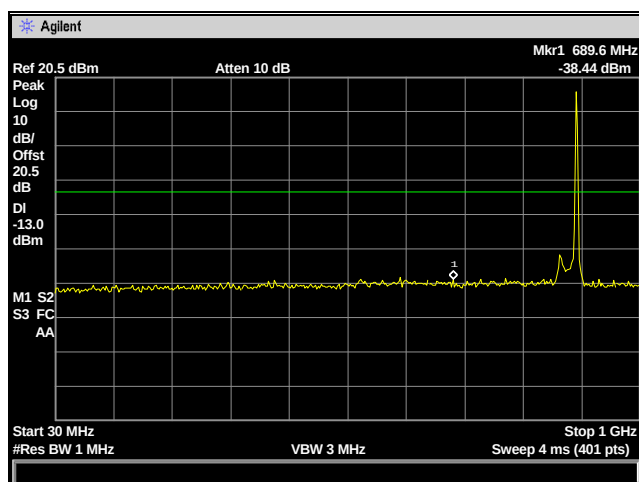


Figure 25: Spurious Emissions - GSM High Channel – 30 MHz to 1.0 GHz

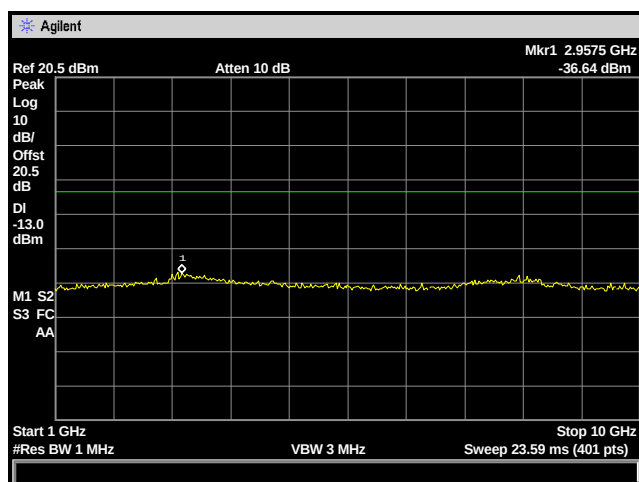


Figure 26: Spurious Emissions - GSM High Channel – 1.0 to 10 GHz

3.0 Band-edge

3.1 CDMA

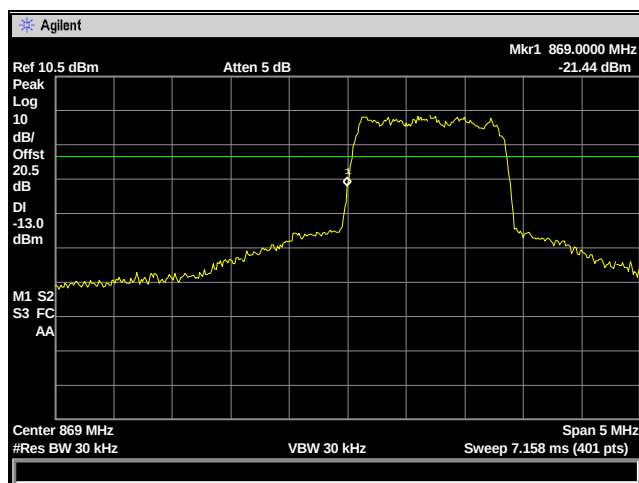


Figure 27: Band-Edge CDMA Low Channel

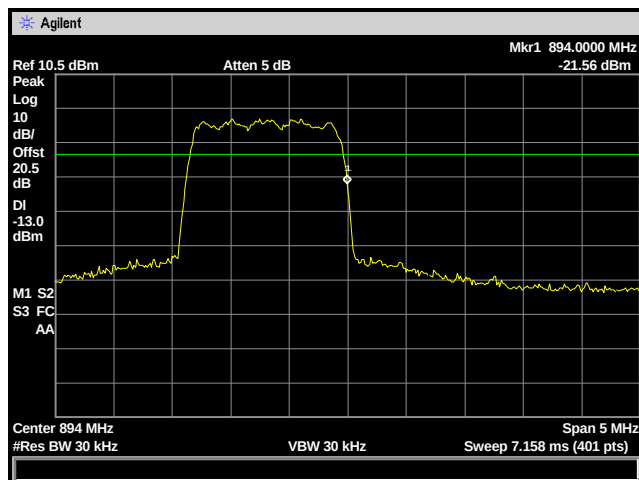


Figure 28: Band-Edge CDMA High Channel

3.2 TDMA

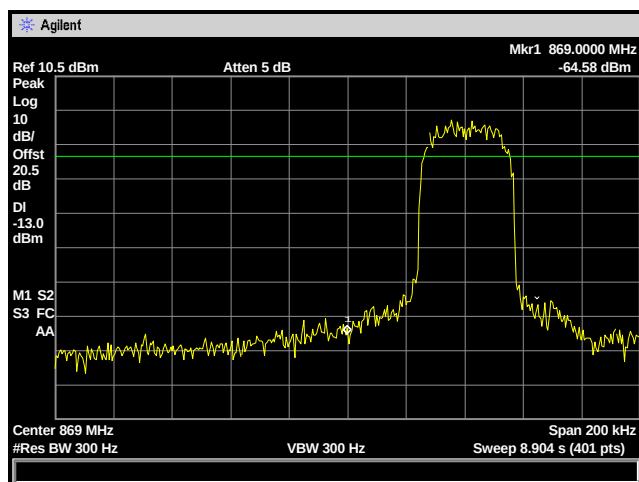


Figure 29: Band-Edge TDMA Low Channel

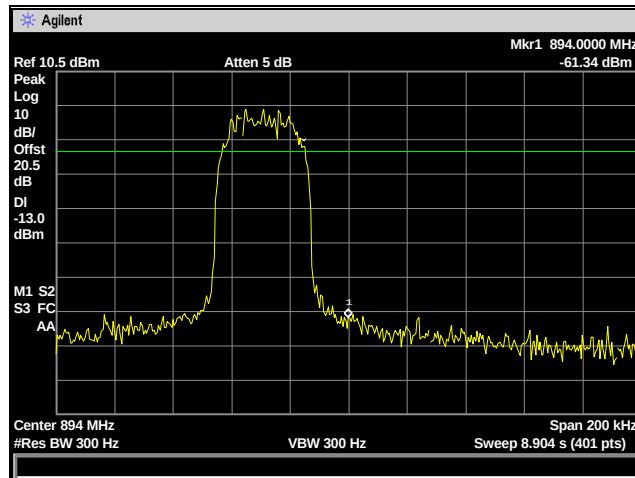


Figure 30: Band-Edge TDMA High Channel

3.3 GSM

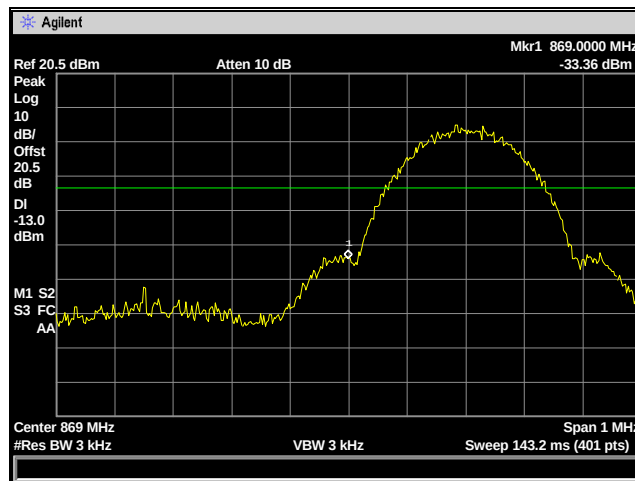


Figure 31: Band-Edge GSM Low Channel

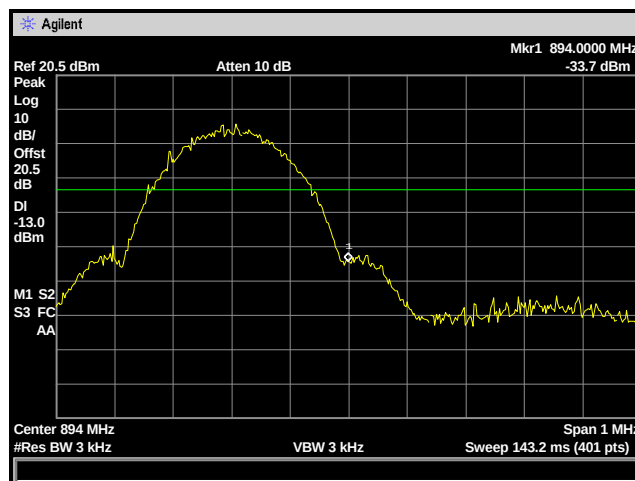


Figure 32: Band-Edge GSM High Channel

END REPORT