

Appendix A

RF Test Data for BT(BDR/EDR) (Conducted Measurement)

Product Name: Mini PC

Trade Mark: Blackview

Test Model: MP100 Pro

Environmental Conditions

| | |
|--------------------|-------------|
| Temperature: | 25.6° C |
| Relative Humidity: | 52.4% |
| ATM Pressure: | 100.0 kPa |
| Test Engineer: | Emiya lin |
| Supervised by: | Simba Haung |

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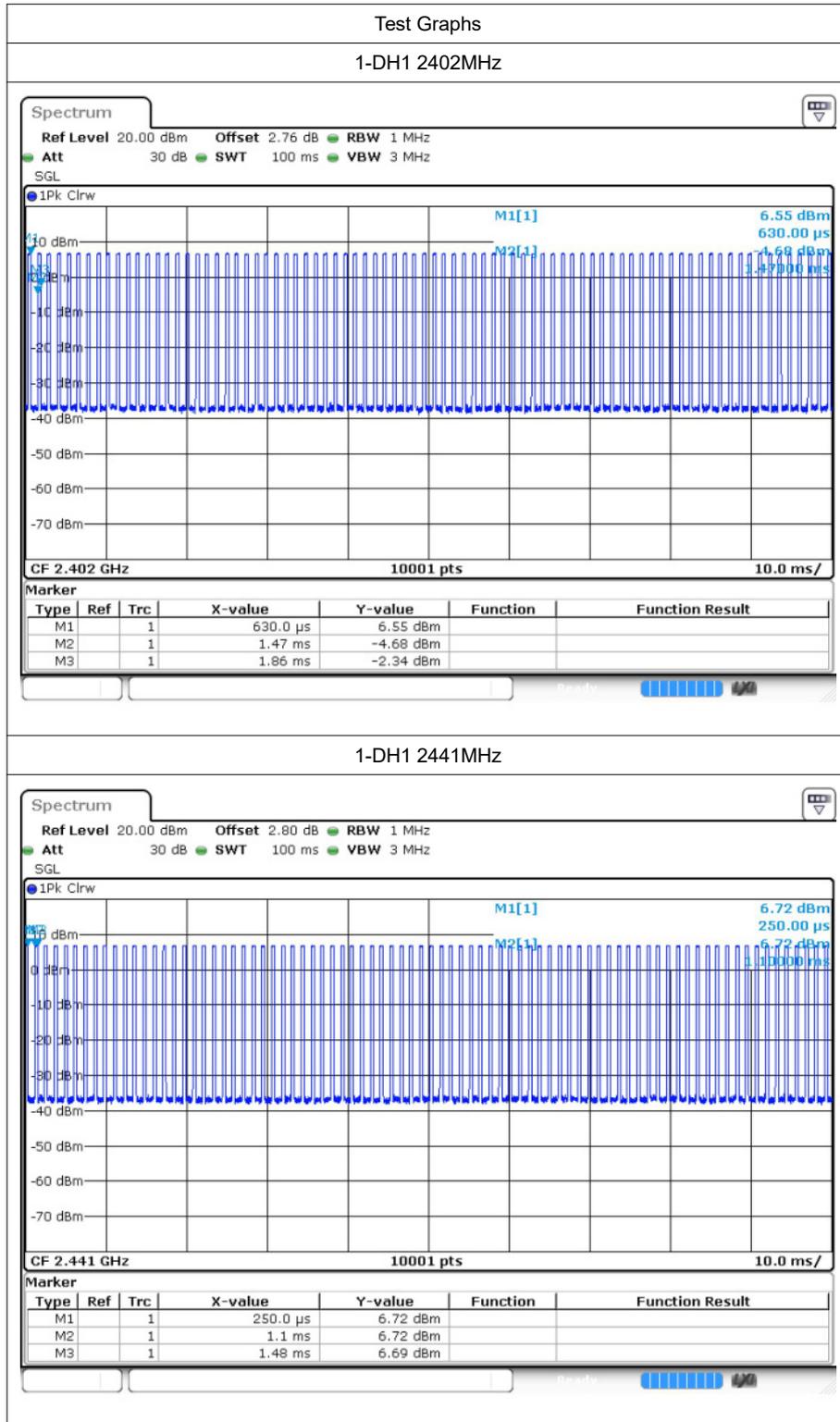
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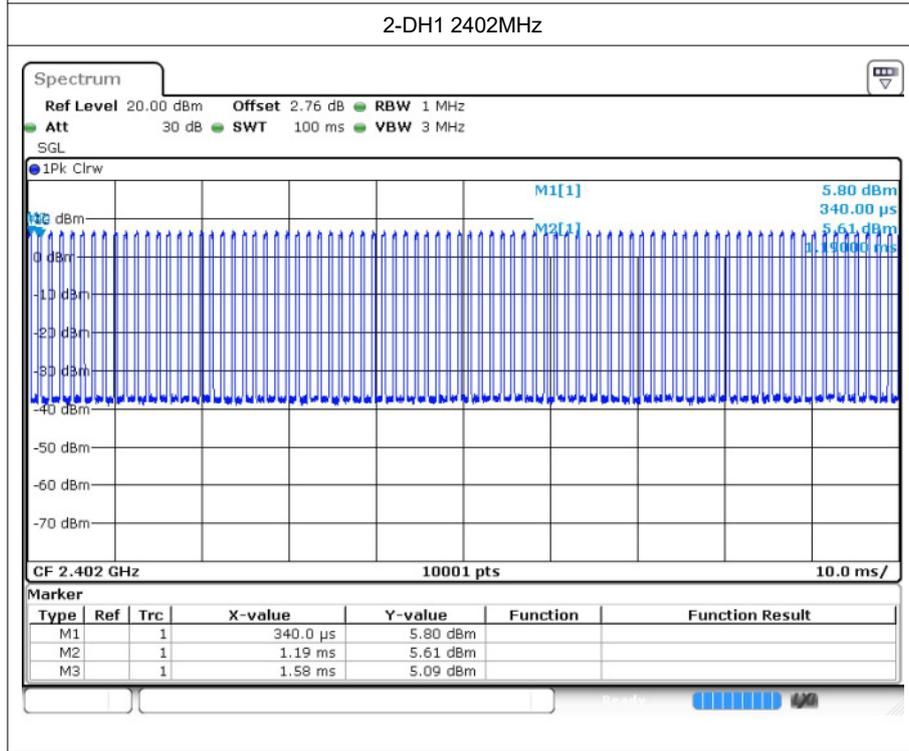
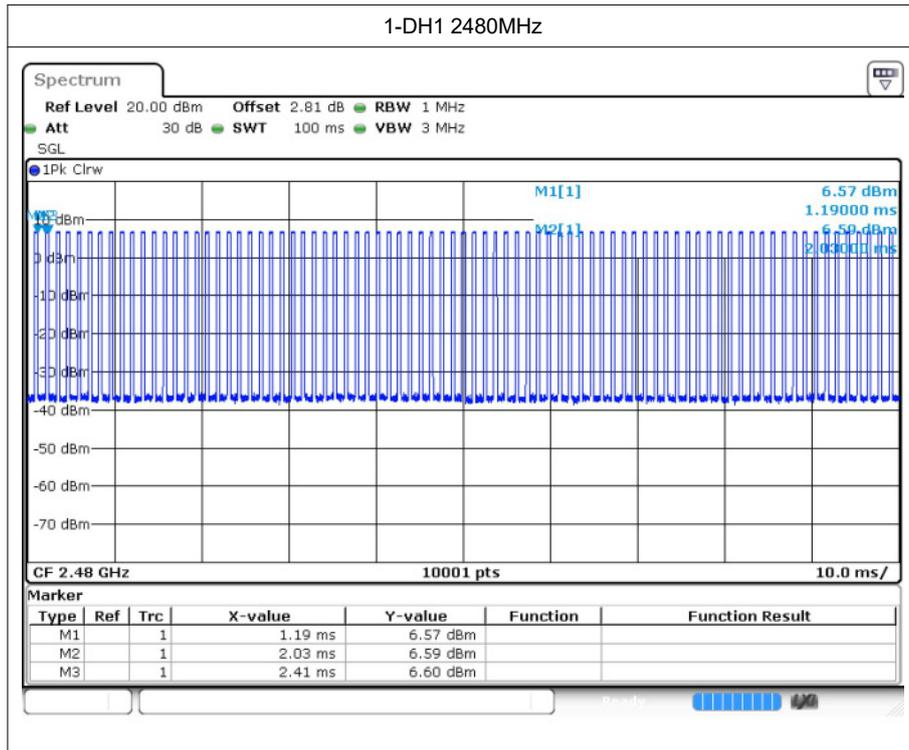
1 Duty Cycle

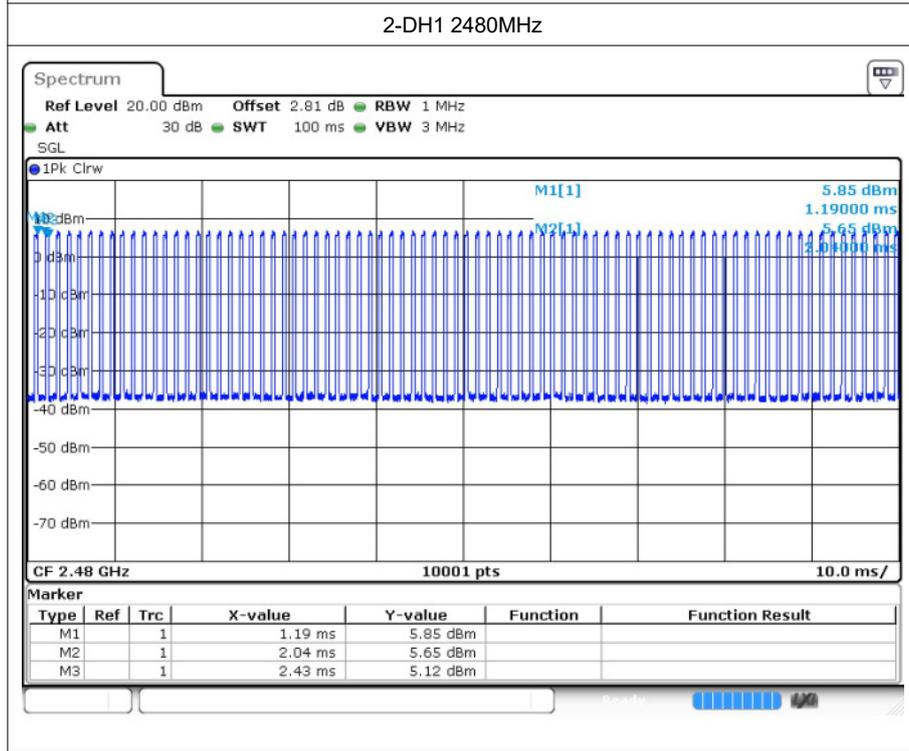
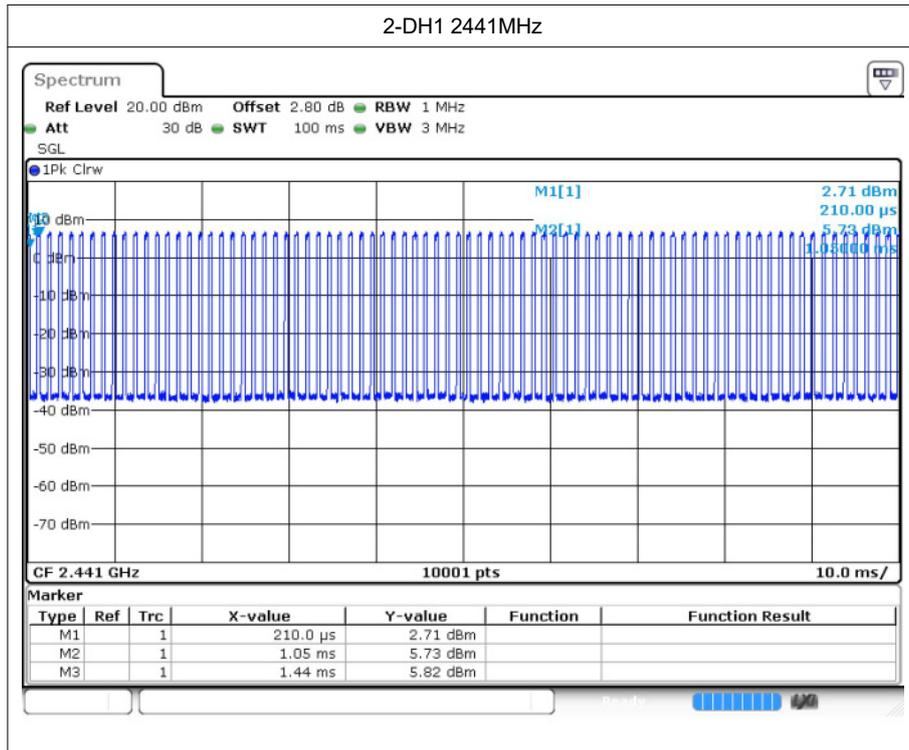
1.1 Test Result

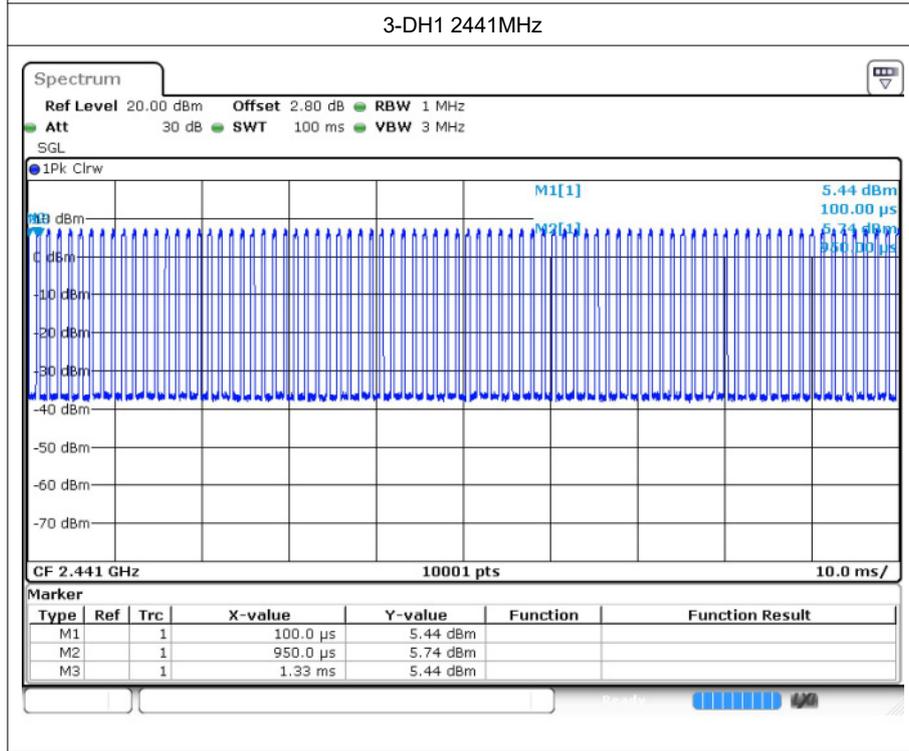
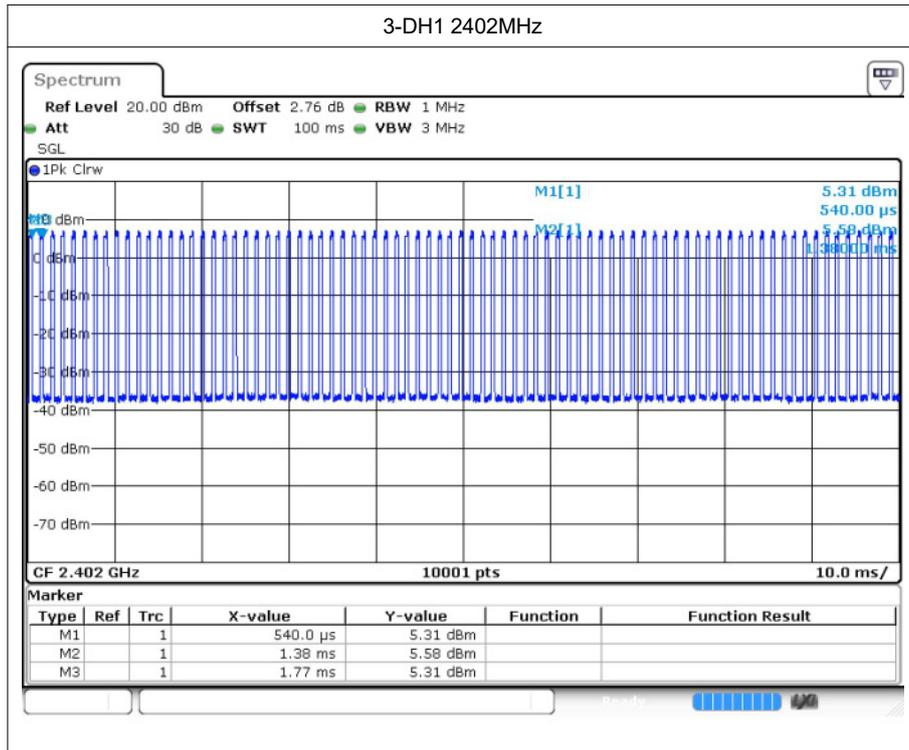
| Mode | Frequency (MHz) | Duty Cycle (%) | Correction Factor | 1/T (kHz) |
|-------|-----------------|----------------|-------------------|-----------|
| 1-DH1 | 2402 | 32.04 | 4.94 | 2.56 |
| 1-DH1 | 2441 | 31.94 | 4.96 | 2.63 |
| 1-DH1 | 2480 | 31.68 | 4.99 | 2.63 |
| 2-DH1 | 2402 | 32.37 | 4.9 | 2.56 |
| 2-DH1 | 2441 | 32.37 | 4.9 | 2.56 |
| 2-DH1 | 2480 | 32.31 | 4.91 | 2.56 |
| 3-DH1 | 2402 | 32.31 | 4.91 | 2.56 |
| 3-DH1 | 2441 | 32.38 | 4.9 | 2.63 |
| 3-DH1 | 2480 | 32.31 | 4.91 | 2.56 |

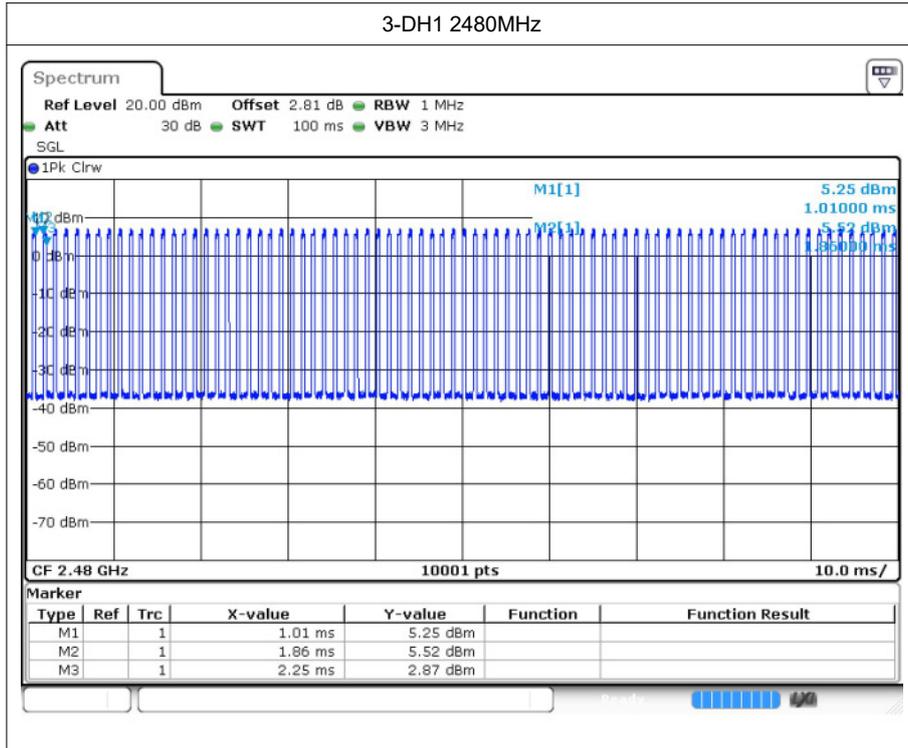
1.2 Test Graphs









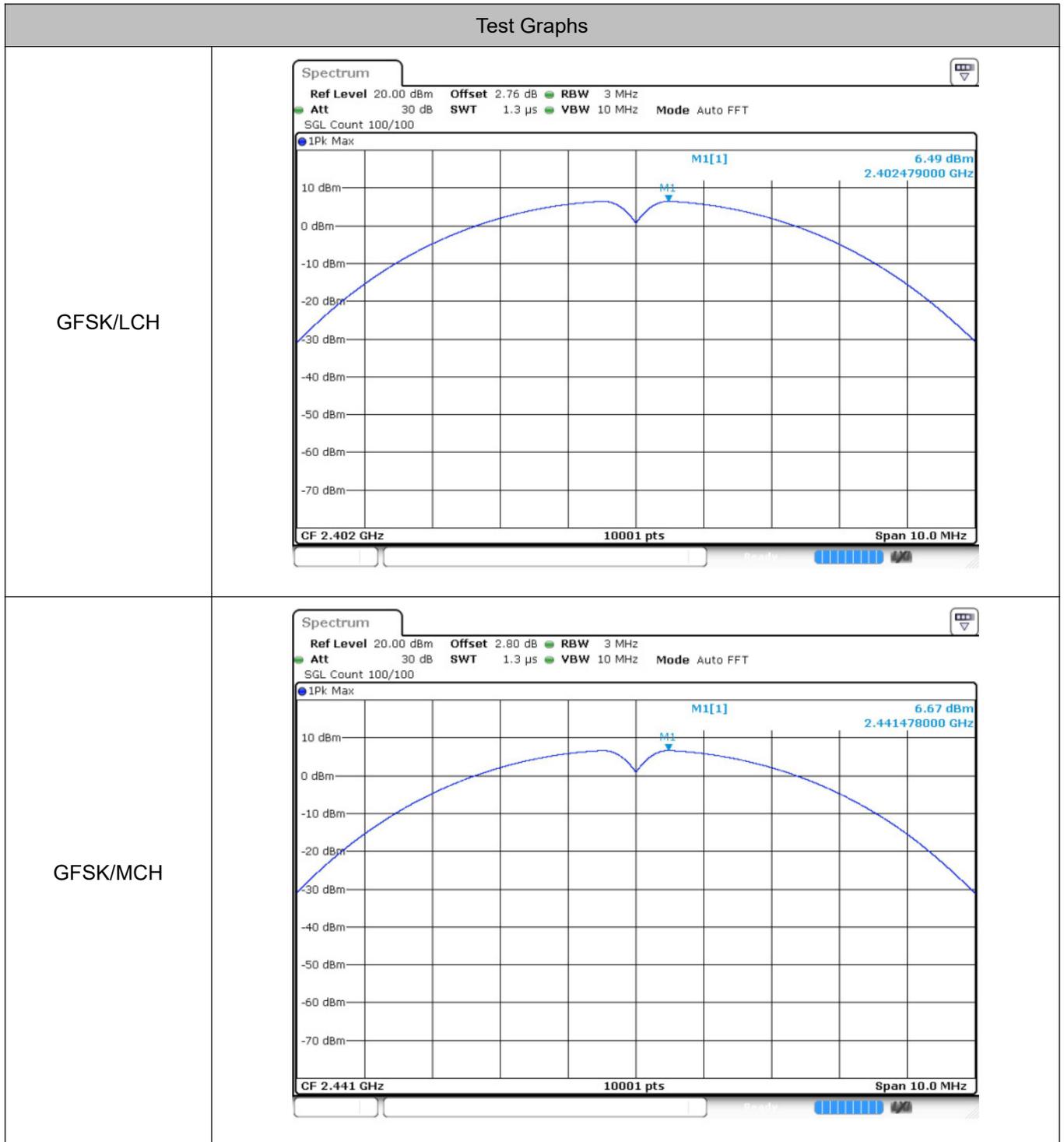


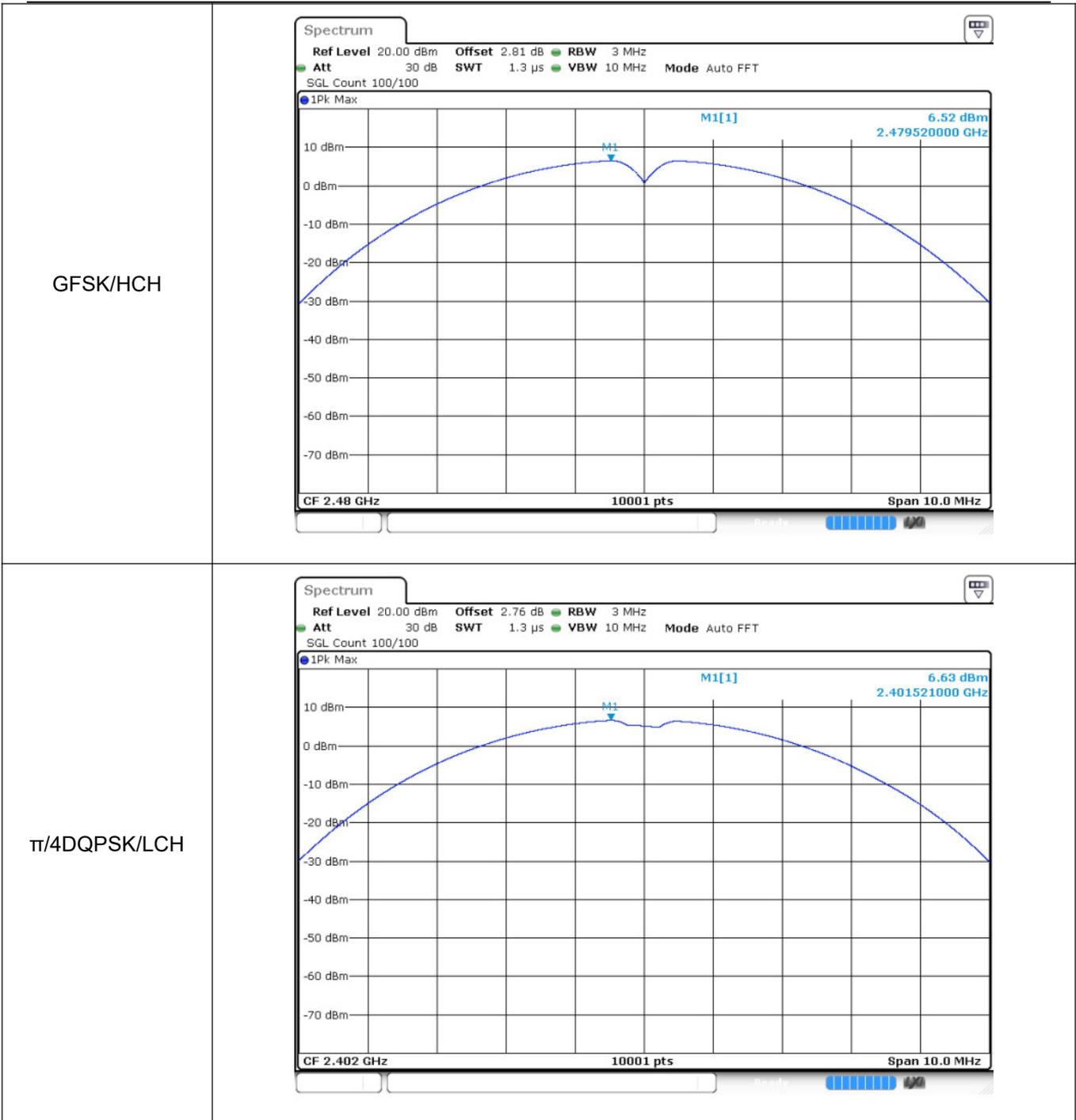
2 Maximum Conducted Peak Output Power

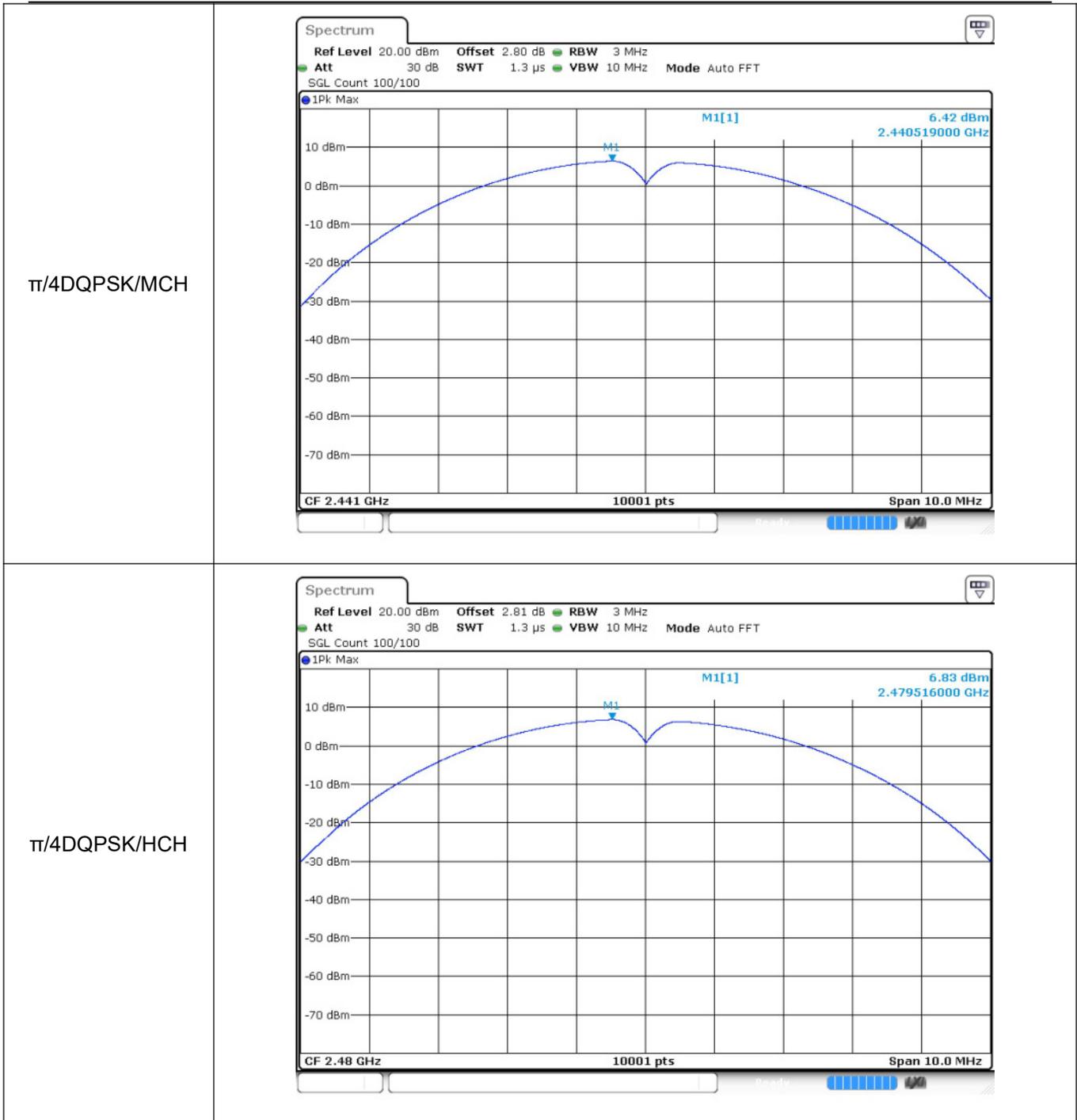
2.1 Test Result

| Mode | Channel. | Maximum Peak Output Power [dBm] | Limit [dBm] | Verdict |
|---------------|----------|---------------------------------|-------------|---------|
| GFSK | LCH | 6.49 | 21 | Pass |
| | MCH | 6.67 | 21 | Pass |
| | HCH | 6.52 | 21 | Pass |
| $\pi/4$ DQPSK | LCH | 6.63 | 21 | Pass |
| | MCH | 6.42 | 21 | Pass |
| | HCH | 6.83 | 21 | Pass |
| 8DPSK | LCH | 6 | 21 | Pass |
| | MCH | 6.68 | 21 | Pass |
| | HCH | 6.36 | 21 | Pass |

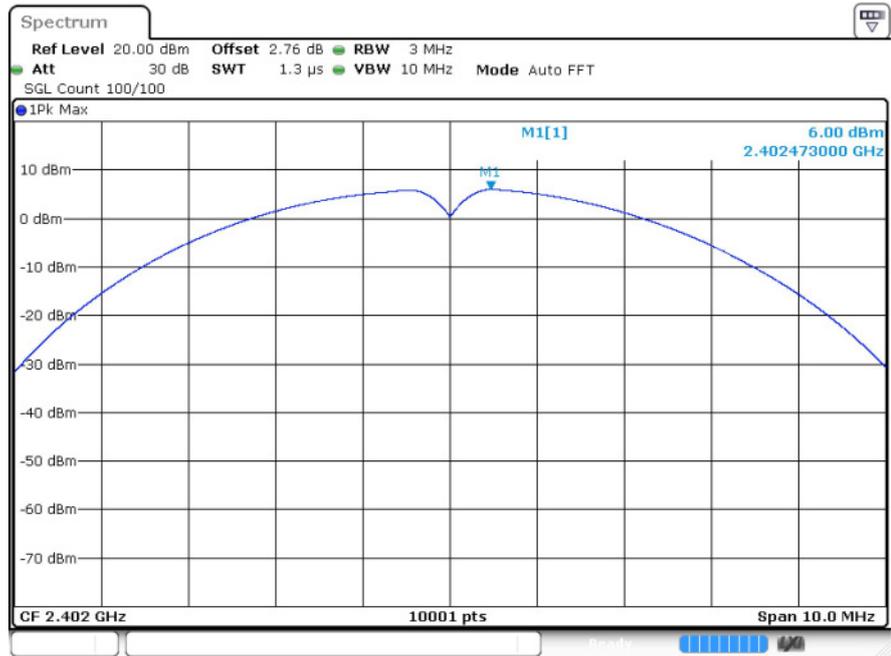
2.2 Test Graphs



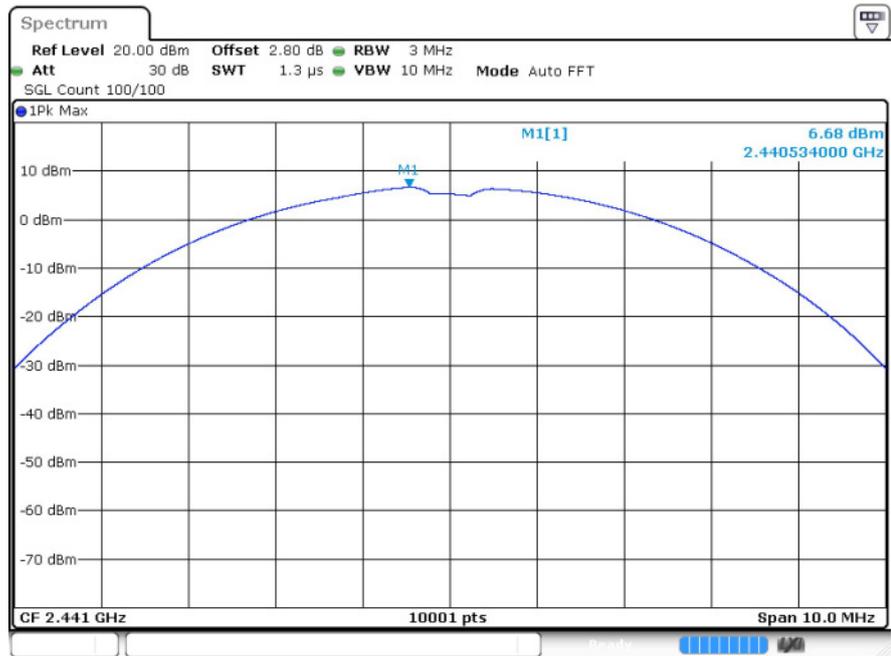




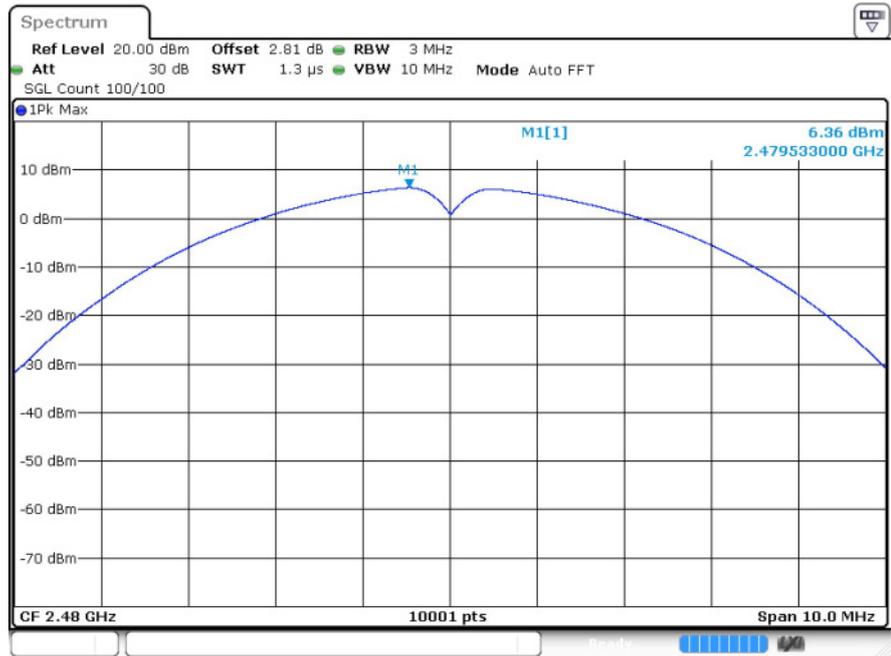
8DPSK/LCH



8DPSK/MCH



8DPSK/HCH

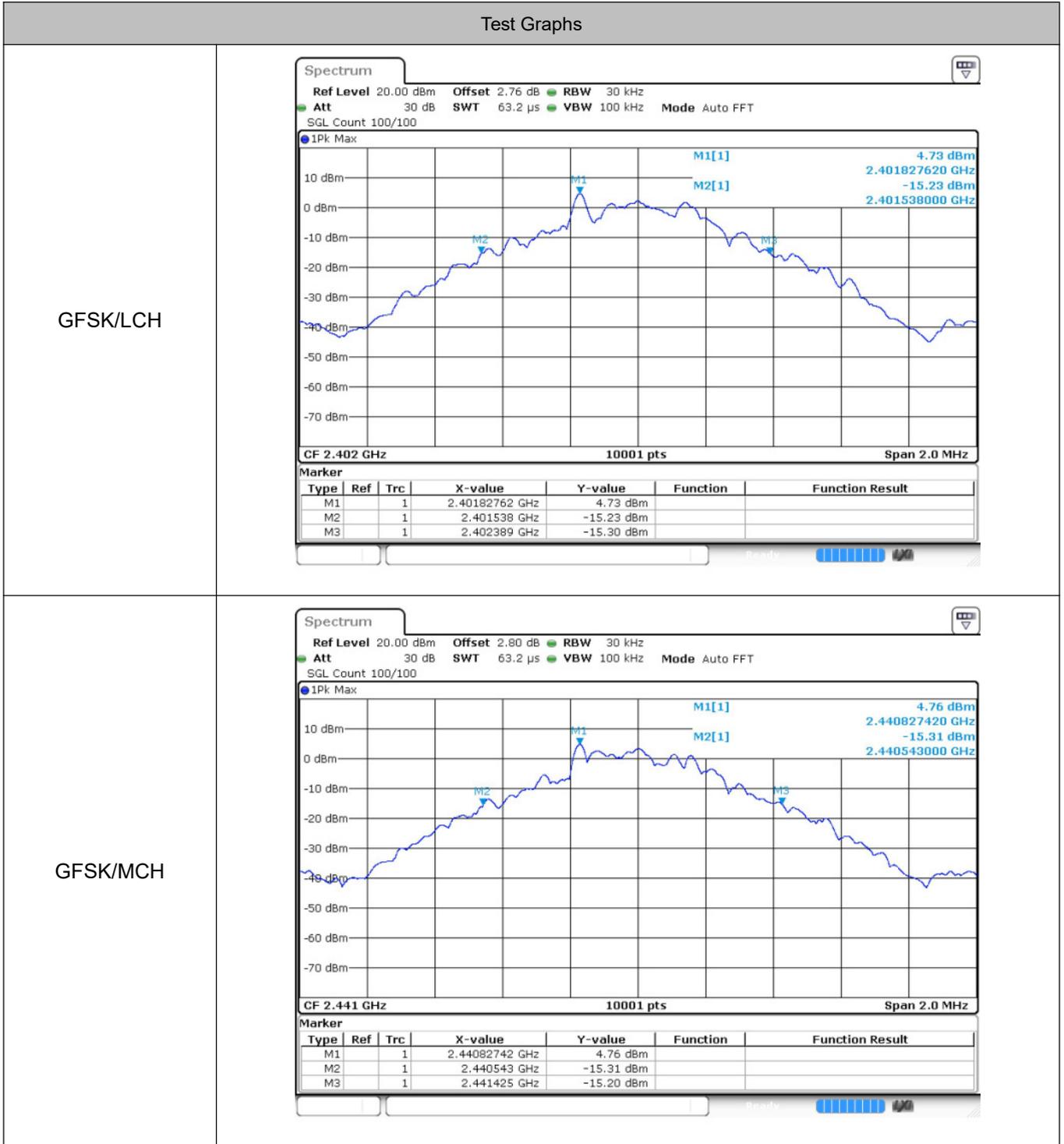


3 20dB Bandwidth

3.1 Test Result

| Mode | Channel. | 20dB Bandwidth [MHz] | Limit [MHz] | Verdict |
|---------------|----------|----------------------|---------------|---------|
| GFSK | LCH | 0.851 | Not Specified | Pass |
| | MCH | 0.882 | Not Specified | Pass |
| | HCH | 0.923 | Not Specified | Pass |
| $\pi/4$ DQPSK | LCH | 1.213 | Not Specified | Pass |
| | MCH | 1.229 | Not Specified | Pass |
| | HCH | 1.226 | Not Specified | Pass |
| 8DPSK | LCH | 1.204 | Not Specified | Pass |
| | MCH | 1.2 | Not Specified | Pass |
| | HCH | 1.207 | Not Specified | Pass |

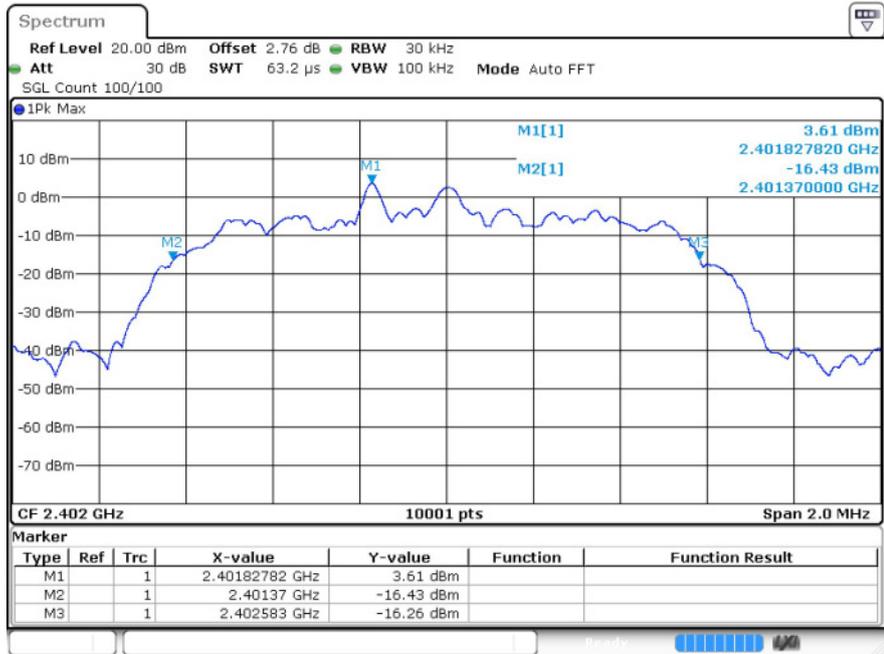
3.2 Test Graphs

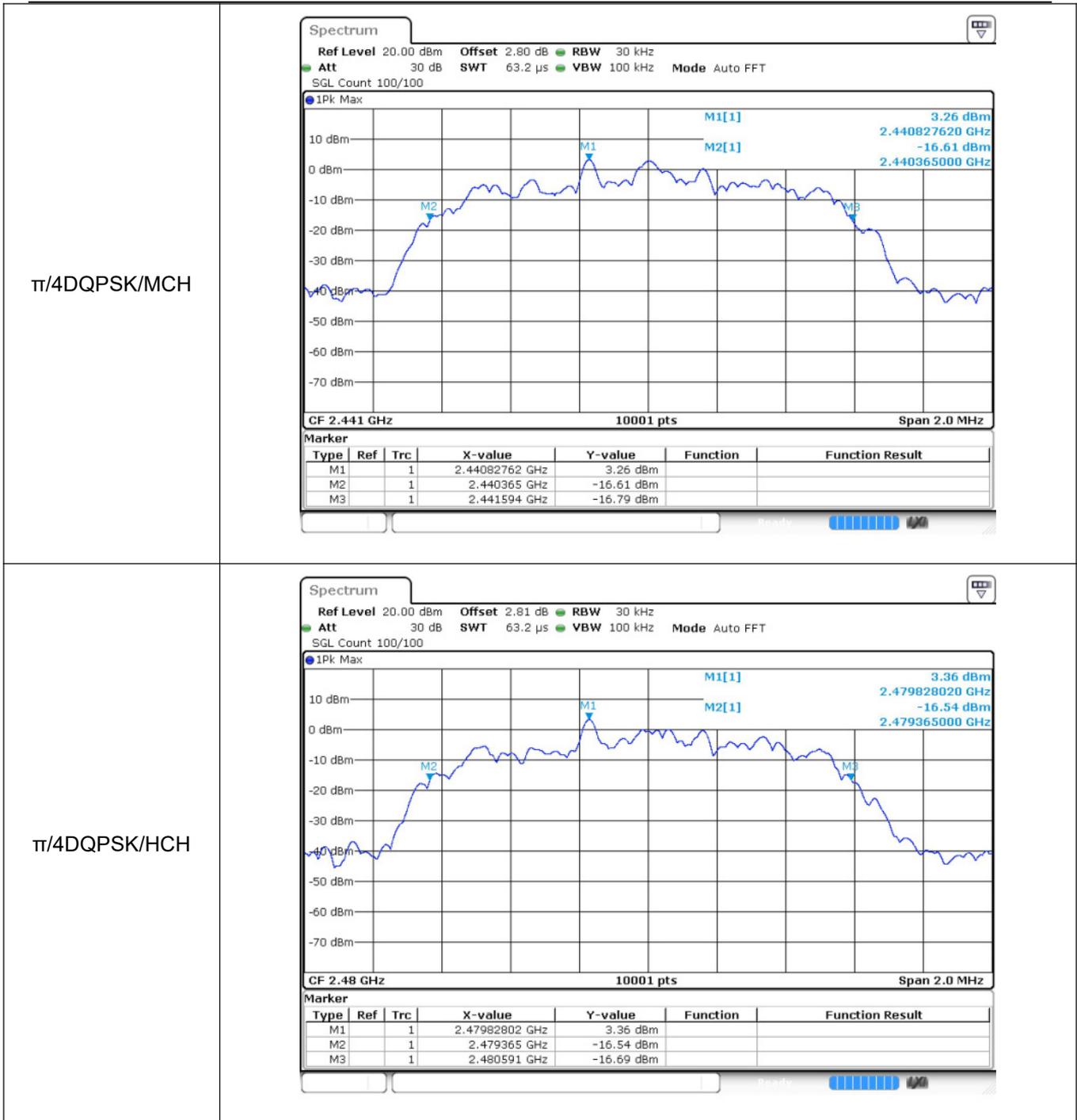


GFSK/HCH

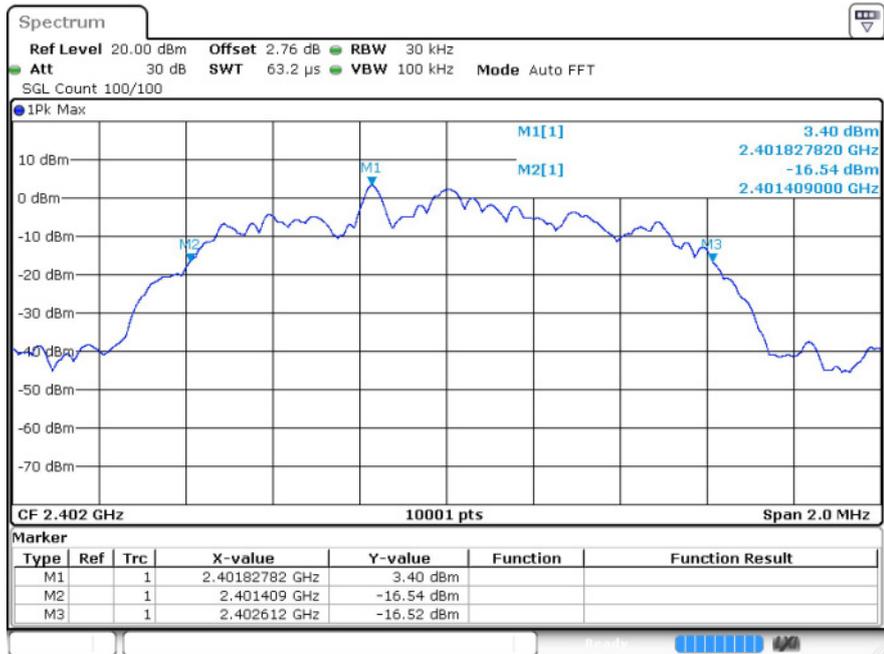


$\pi/4$ DQPSK/LCH

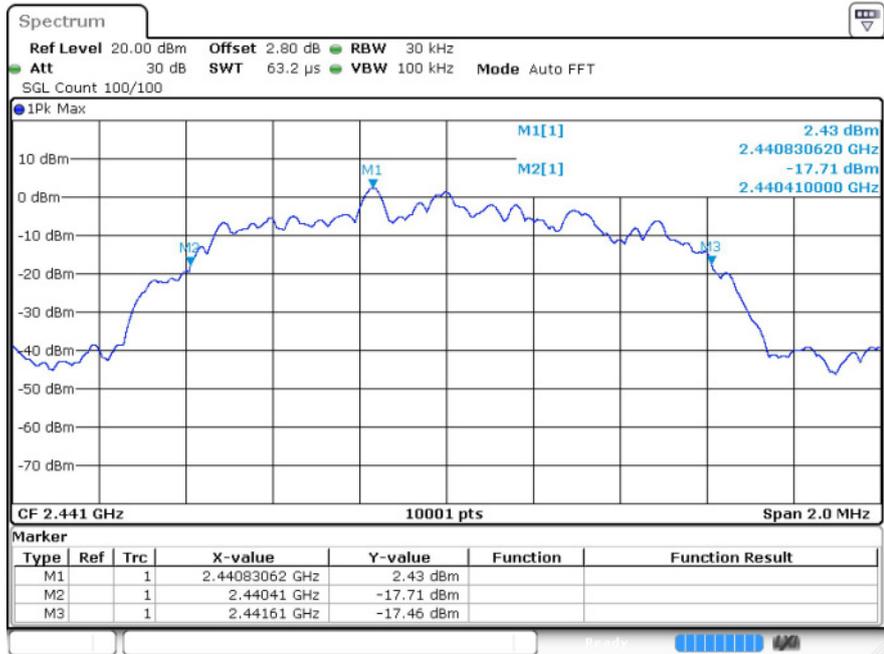




8DPSK/LCH

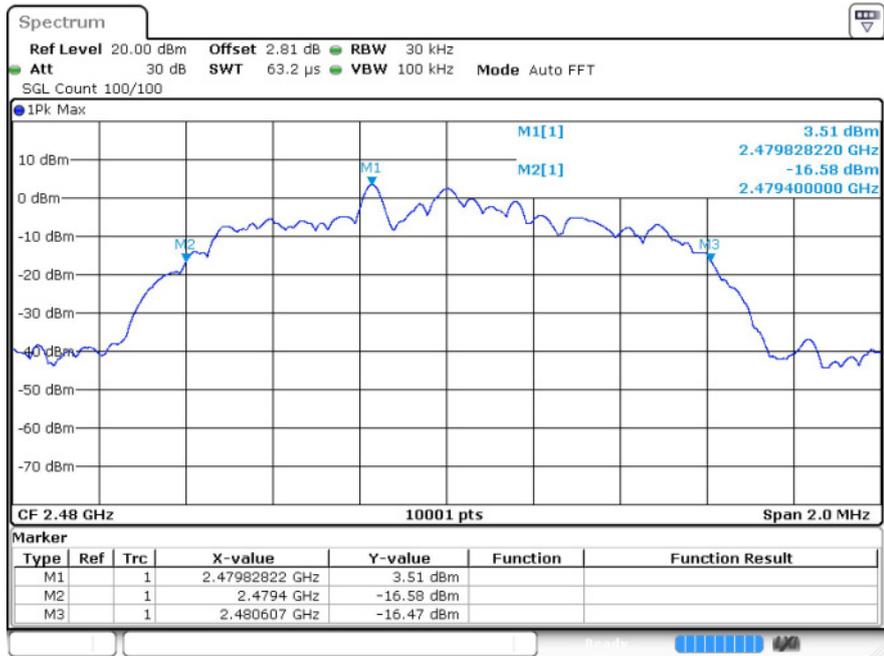


8DPSK/MCH





8DPSK/HCH

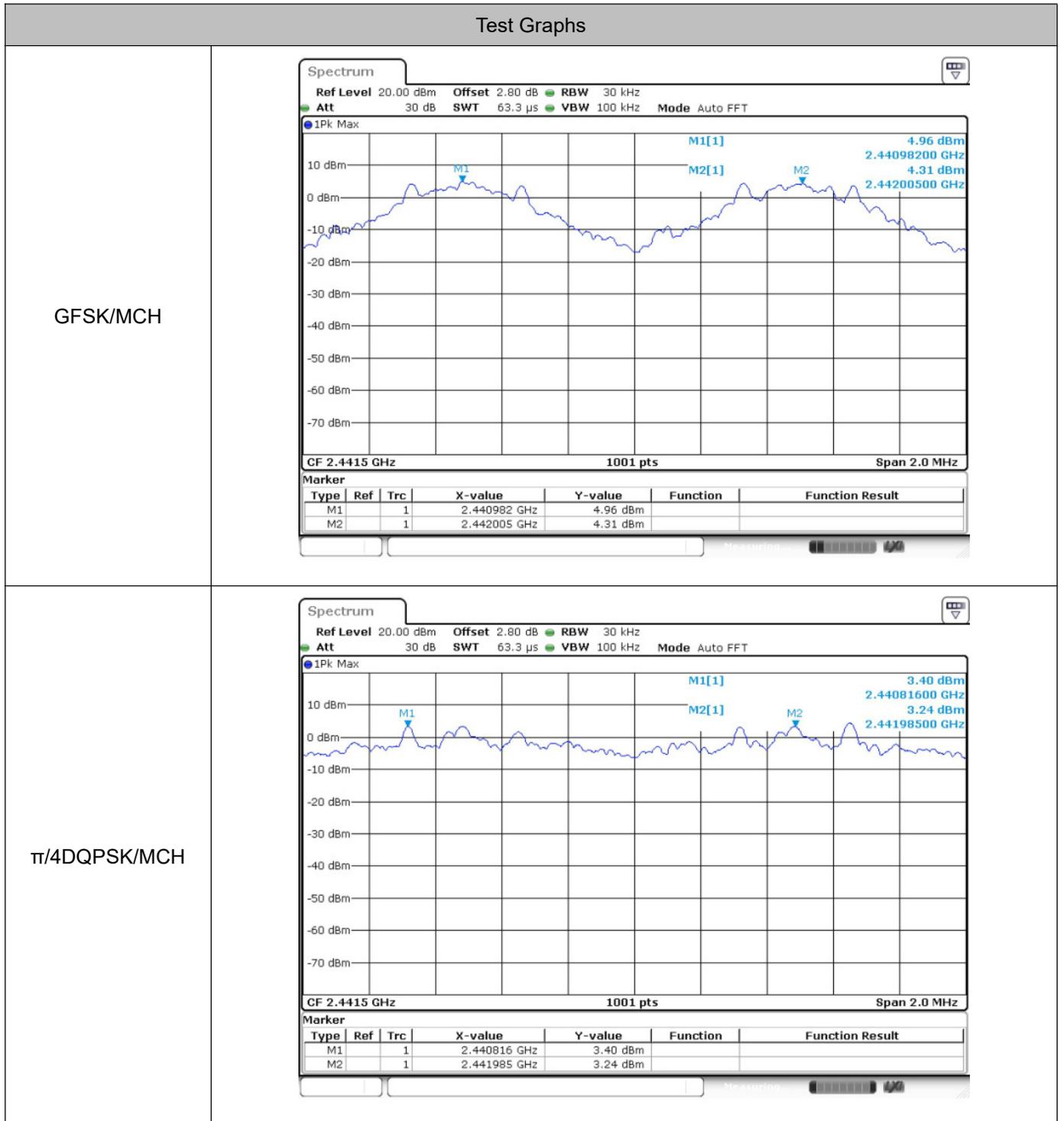


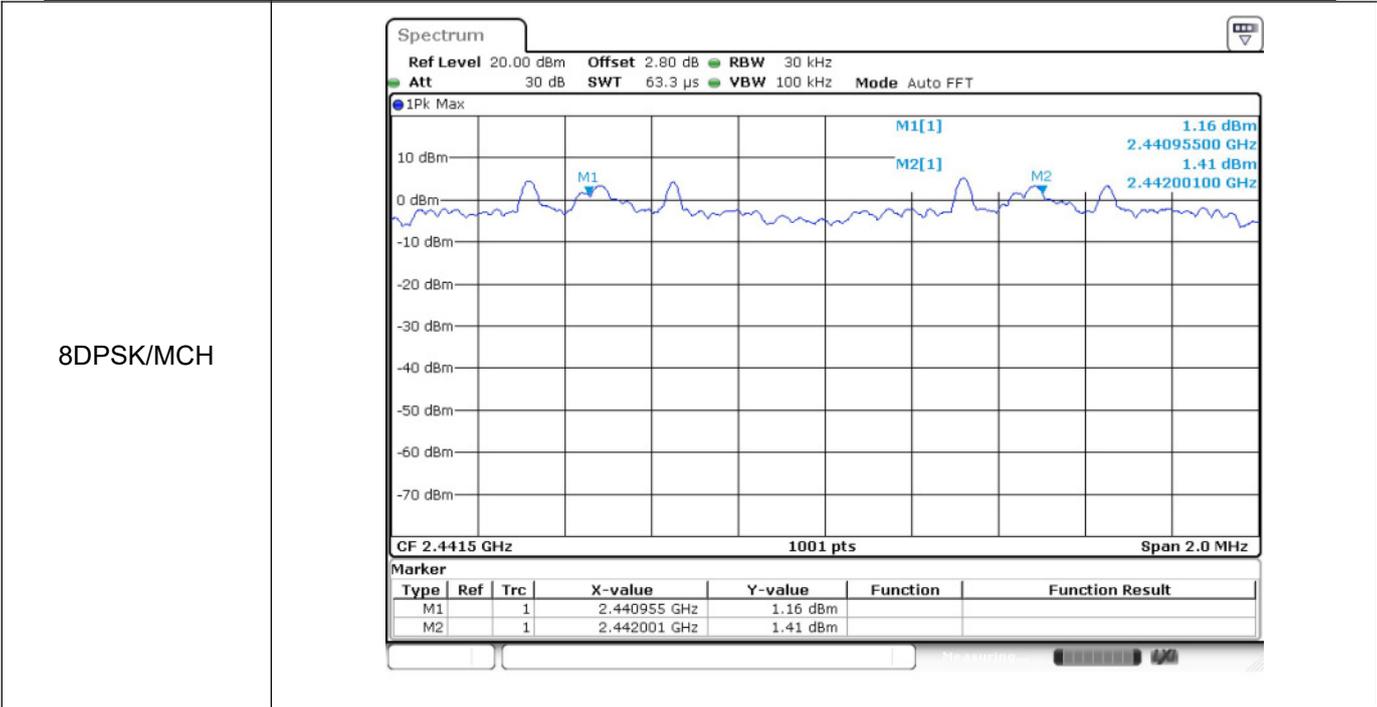
4 Carrier Frequency Separation

4.1 Test Result

| Mode | Channel. | Carrier Frequency Separation [MHz] | Limit [MHz] | Verdict |
|---------------|----------|------------------------------------|-------------|---------|
| GFSK | MCH | 1.023 | 0.588 | Pass |
| $\pi/4$ DQPSK | MCH | 1.169 | 0.819 | Pass |
| 8DPSK | MCH | 1.046 | 0.8 | Pass |

4.2 Test Graphs



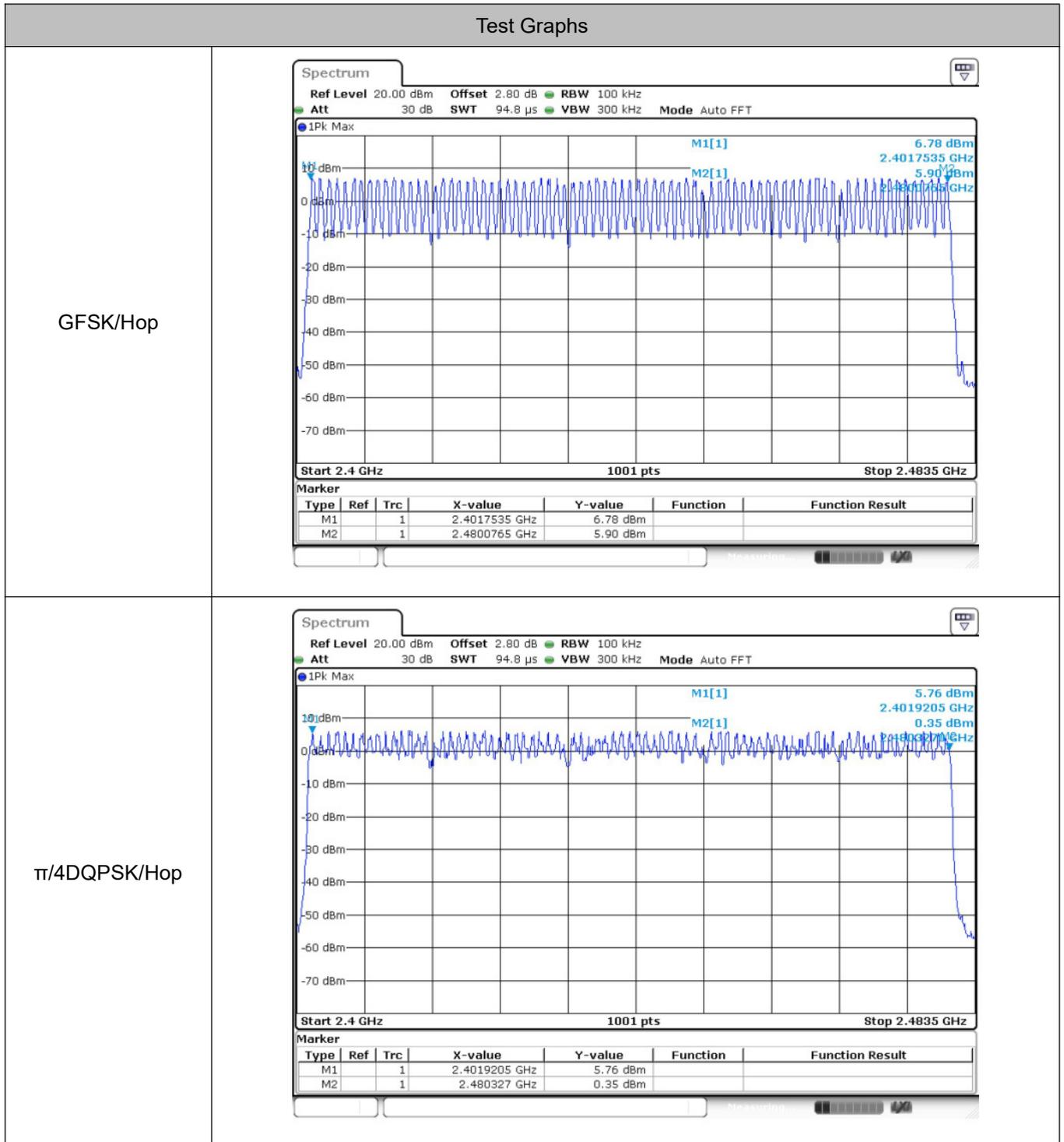


5 Hopping Channel Number

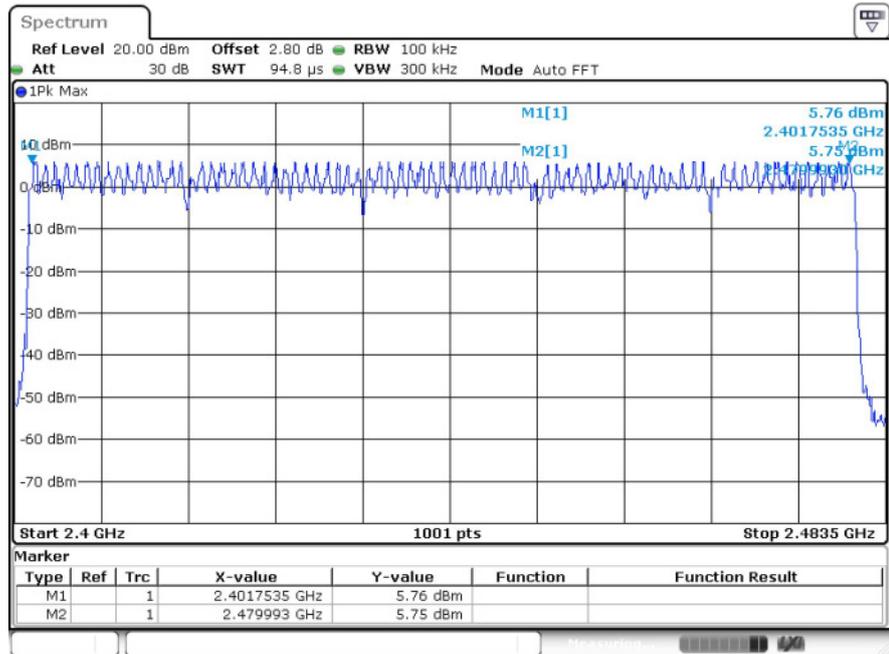
5.1 Test Result

| Mode | Channel. | Number of Hopping Channel [N] | Limit [N] | Verdict |
|---------------|----------|-------------------------------|-----------|---------|
| GFSK | Hop | 79 | ≥ 15 | PASS |
| $\pi/4$ DQPSK | Hop | 79 | ≥ 15 | PASS |
| 8DPSK | Hop | 79 | ≥ 15 | PASS |

5.2 Test Graphs



8DPSK/Hop

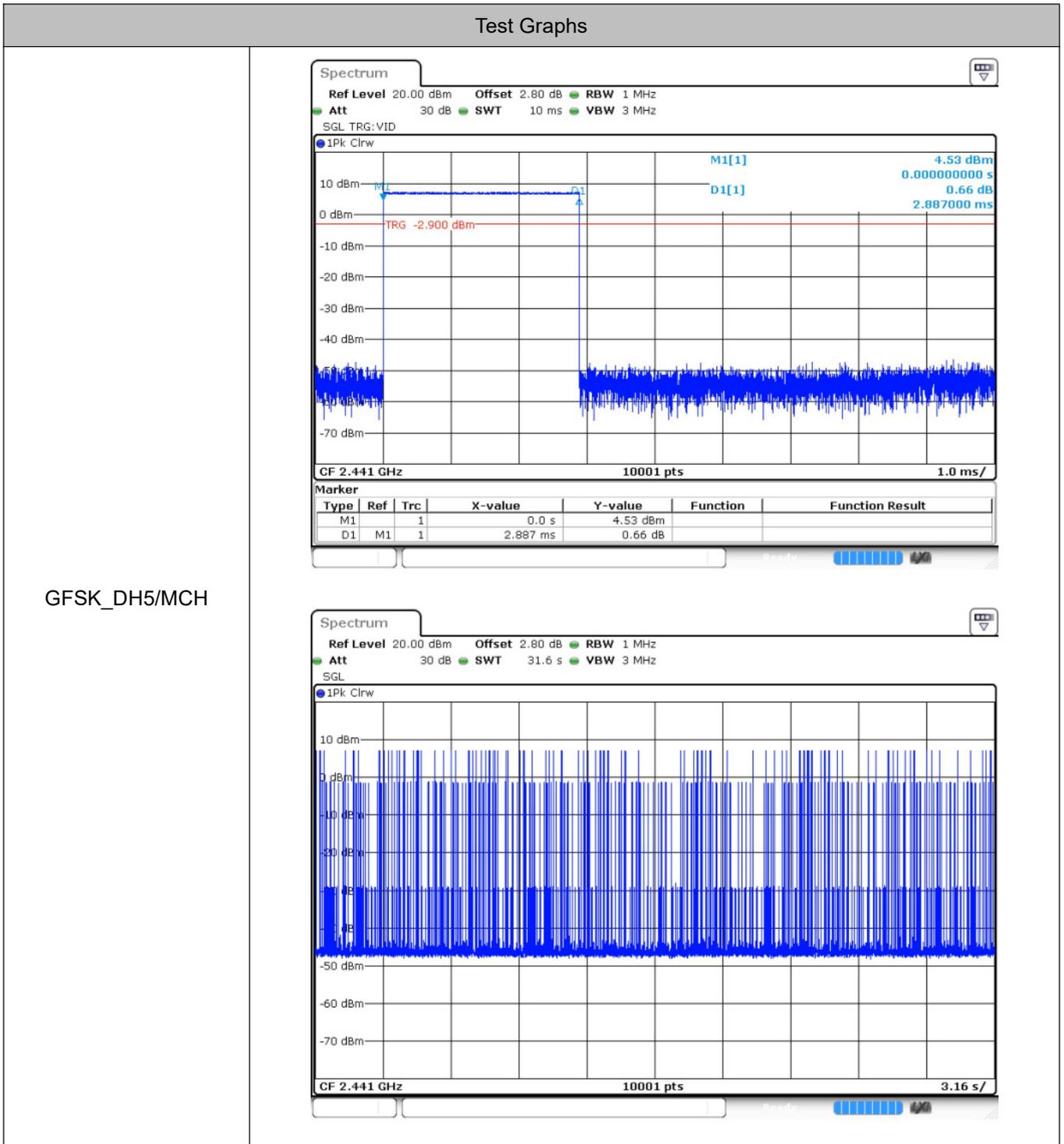


6 Dwell Time

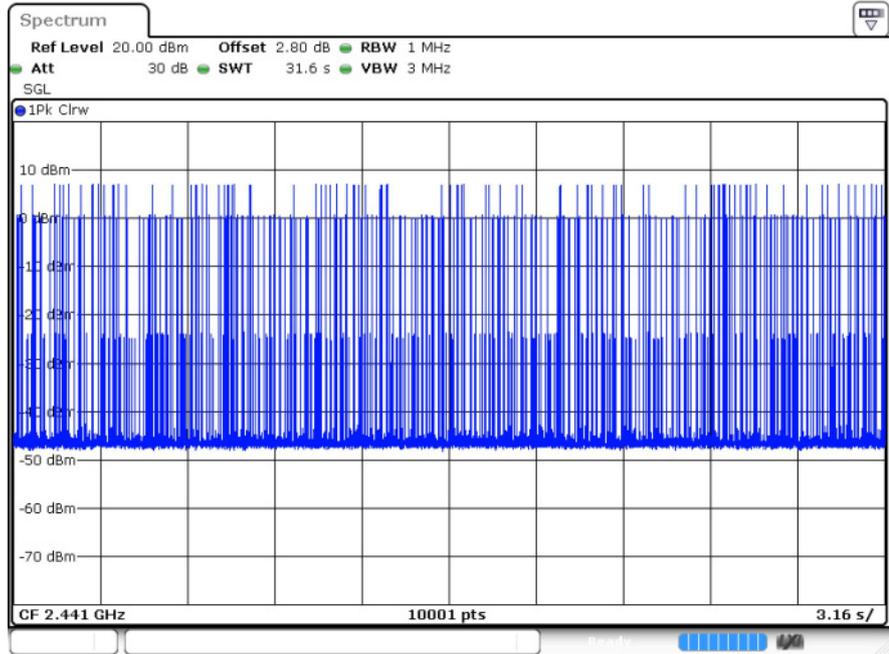
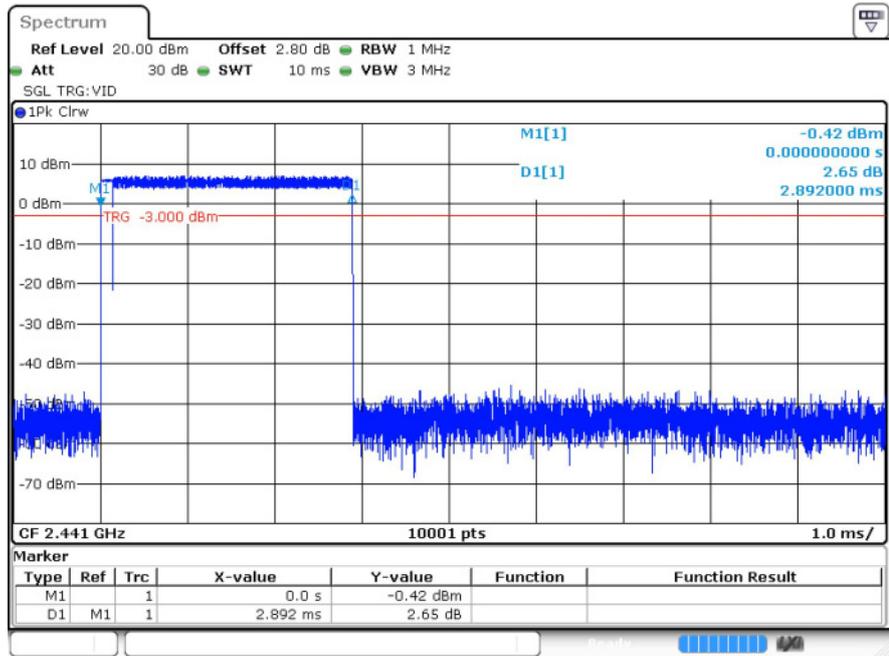
6.1 Test Result

| Mode | Packet | Channel | Burst Width [ms/hop/ch] | Total Hops[hop*ch] | Dwell Time[ms] | Limit [s] | Verdict |
|---------------|--------|---------|----------------------------|-----------------------|----------------|-----------|---------|
| GFSK | DH5 | MCH | 2.887 | 103 | 297.361 | 0.4 | Pass |
| $\pi/4$ DQPSK | 2DH5 | MCH | 2.892 | 93 | 268.956 | 0.4 | Pass |
| 8DPSK | 3DH5 | MCH | 2.894 | 105 | 303.87 | 0.4 | Pass |

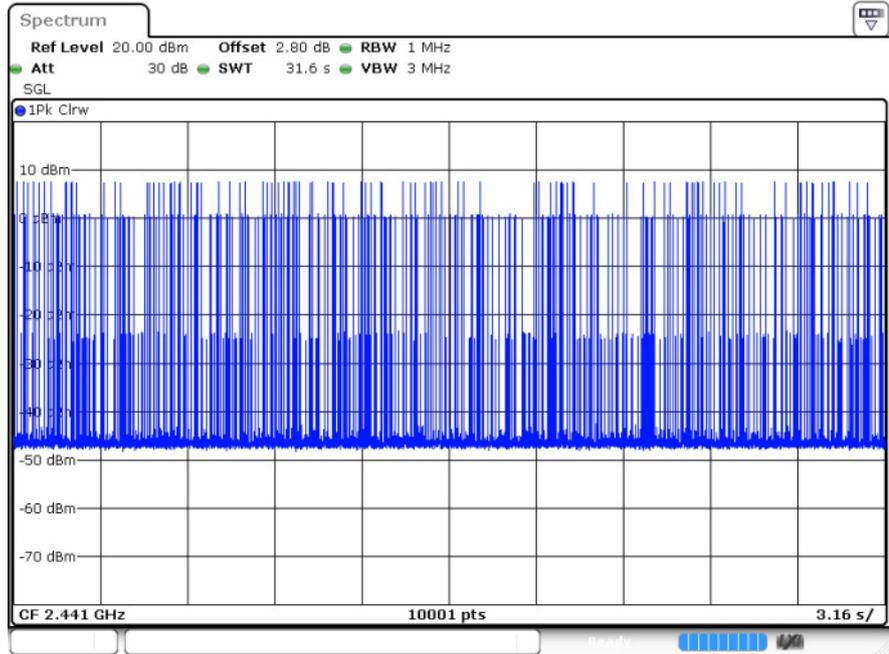
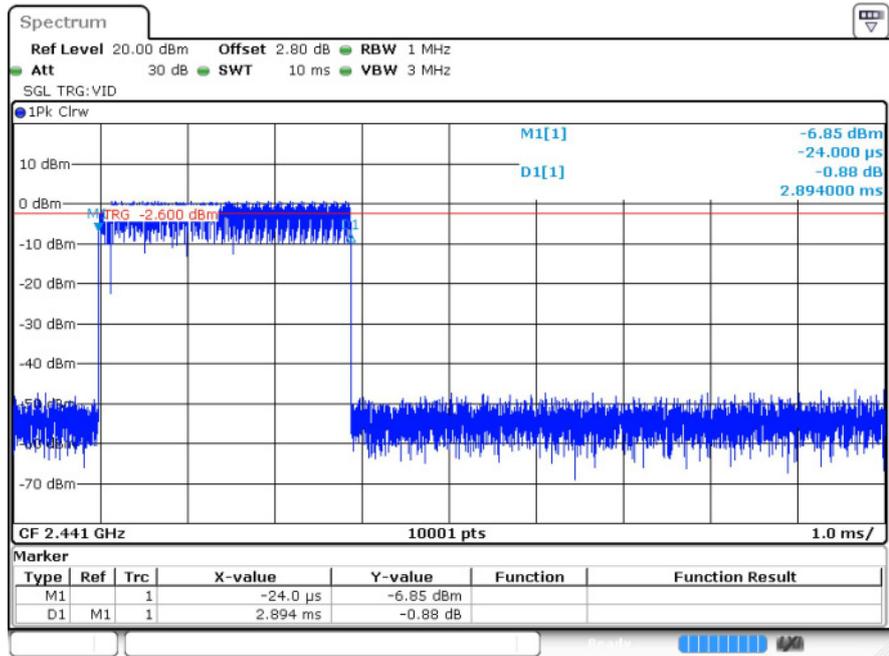
6.2 Test Graphs



$\pi/4$ DQPSK
_2DH5/MCH



8DPSK_3DH5/MCH

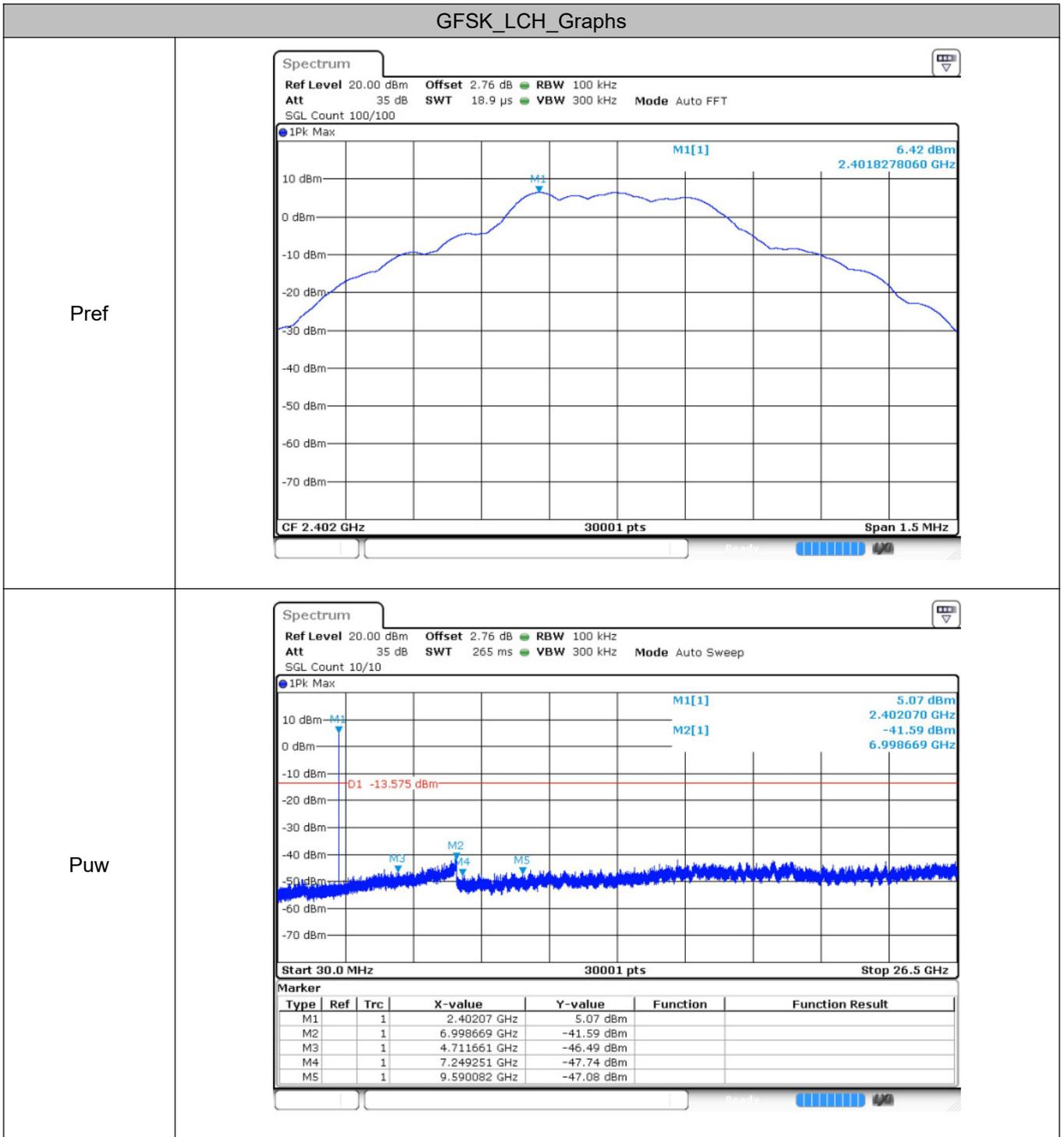


7 RF Conducted Spurious Emissions

7.1 Test Result

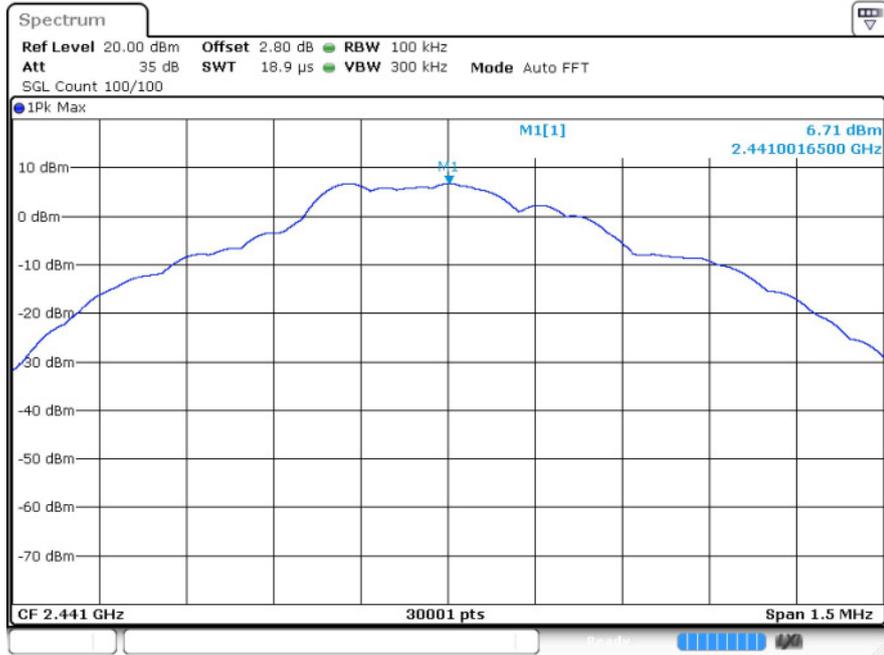
| Mode | Channel | Max. Level [dBc] | Limit [dBc] | Verdict |
|---------------|---------|------------------|-------------|---------|
| GFSK | LCH | -48.01 | -20 | Pass |
| | MCH | -48.74 | -20 | Pass |
| | HCH | -47.8 | -20 | Pass |
| $\pi/4$ DQPSK | LCH | -46.77 | -20 | Pass |
| | MCH | -46.86 | -20 | Pass |
| | HCH | -47.43 | -20 | Pass |
| 8DPSK | LCH | -47.56 | -20 | Pass |
| | MCH | -46.27 | -20 | Pass |
| | HCH | -45.08 | -20 | Pass |

7.2 Test Graphs

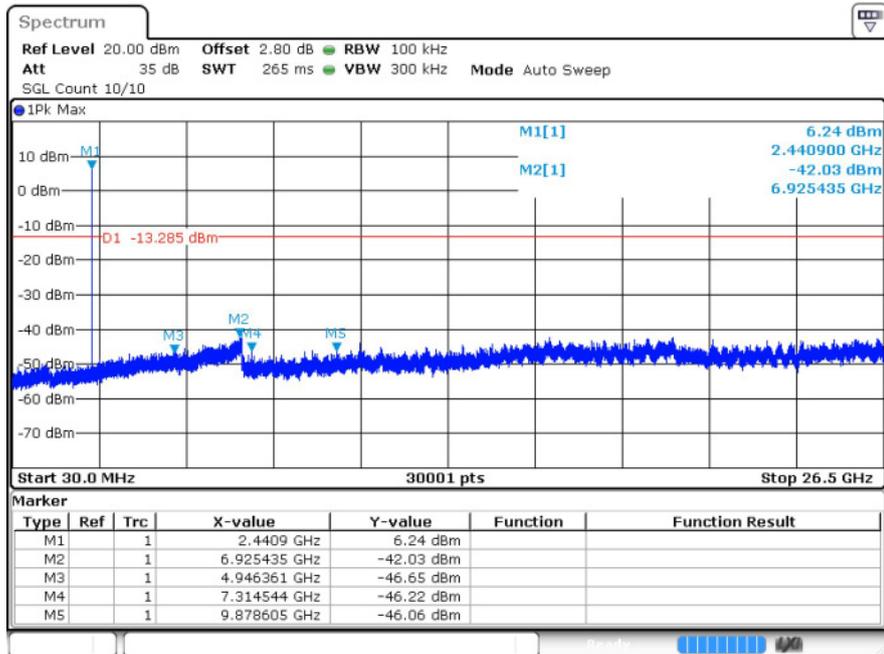


GFSK_MCH_Graphs

Pref



Puw

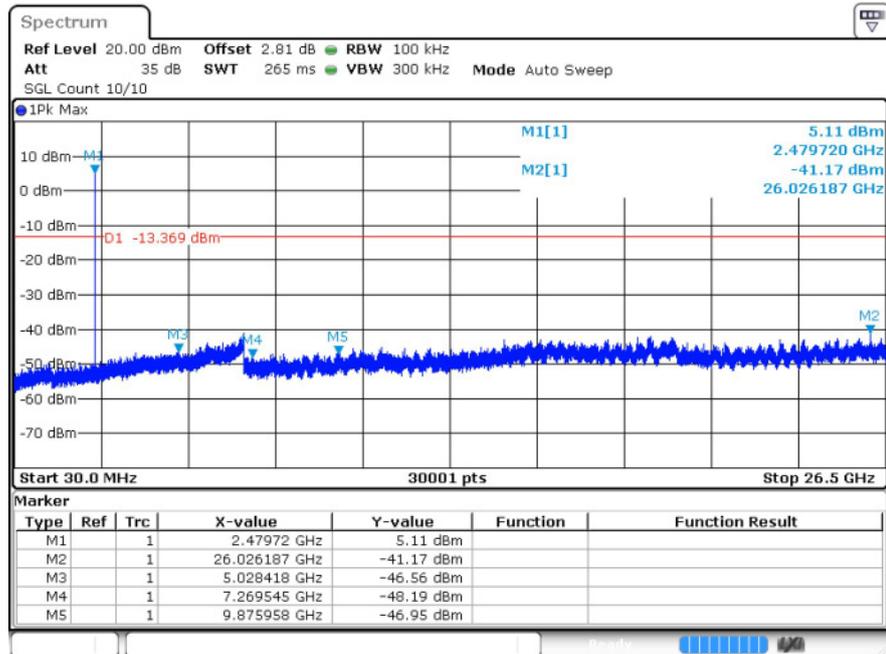


GFSK_HCH_Graphs

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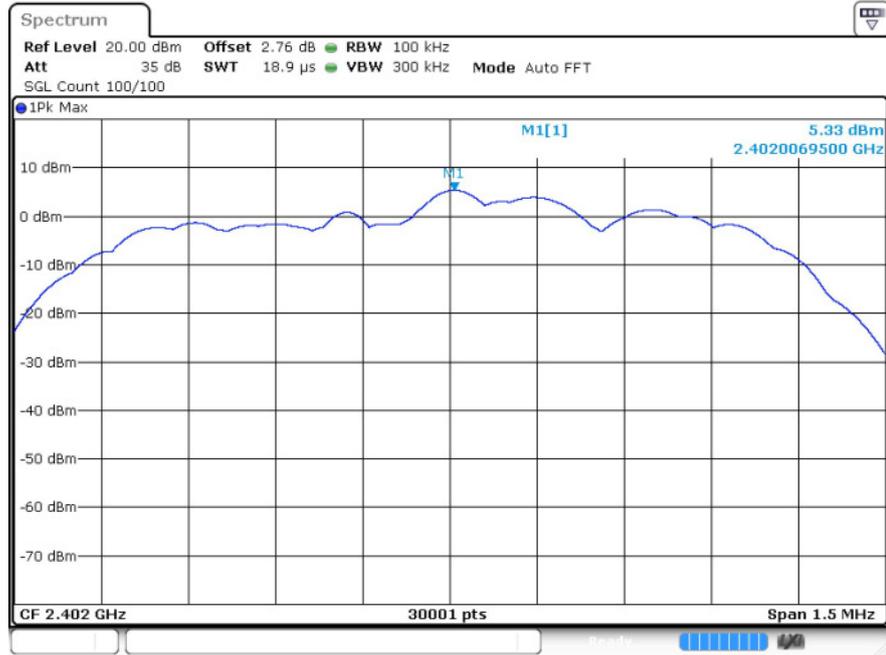


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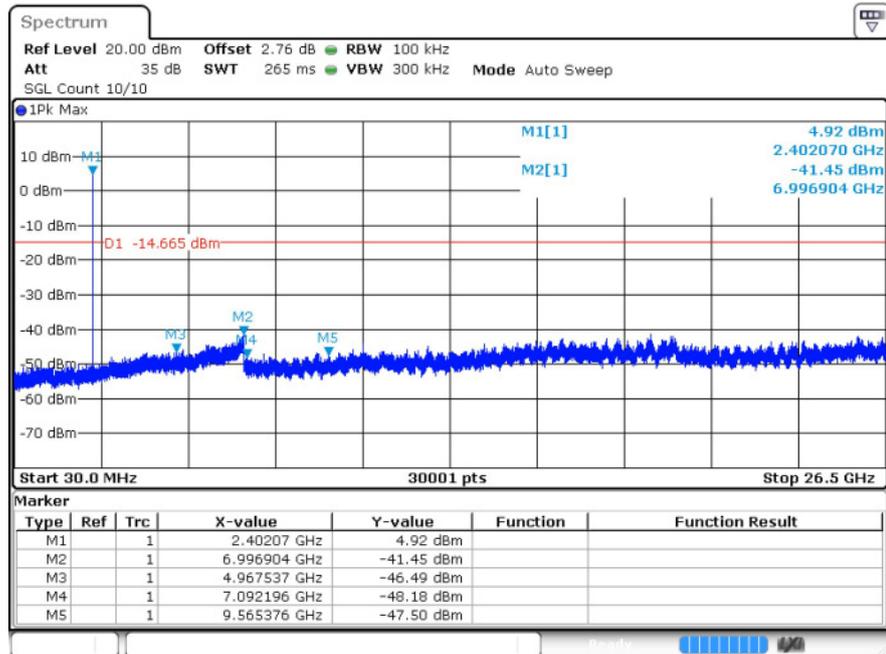


$\pi/4$ DQPSK_LCH_Graphs

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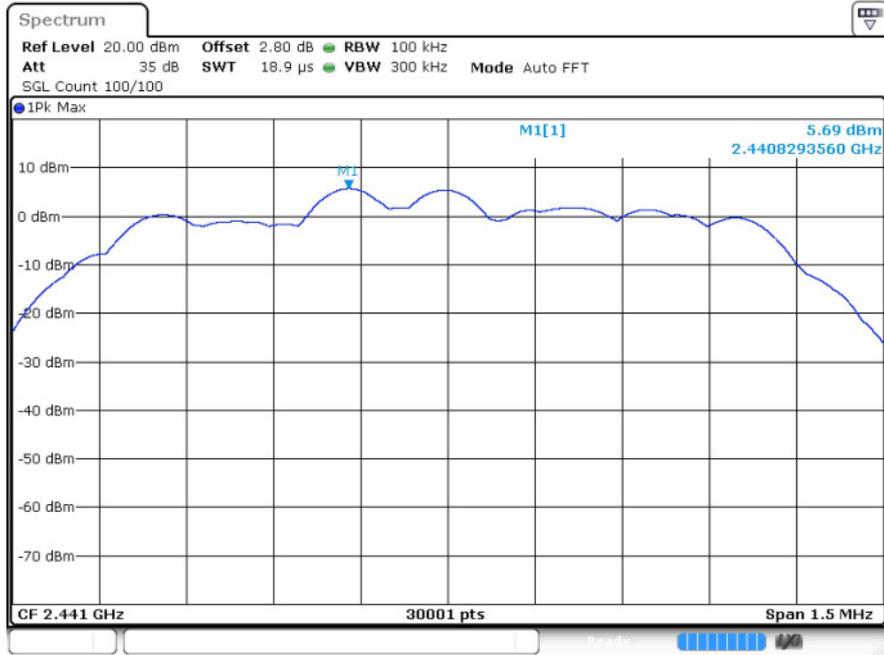


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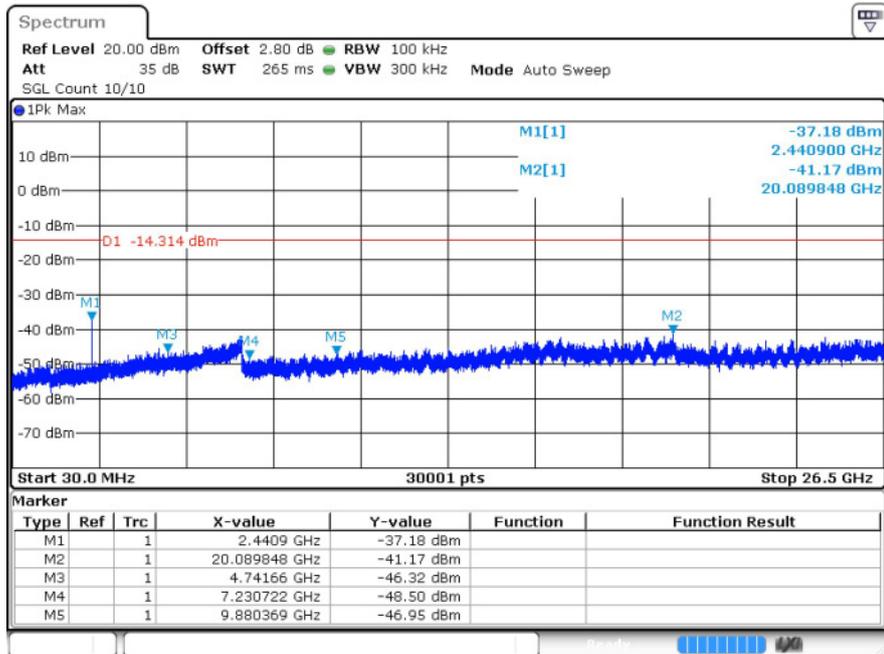


π /4DQPSK_MCH_Graphs

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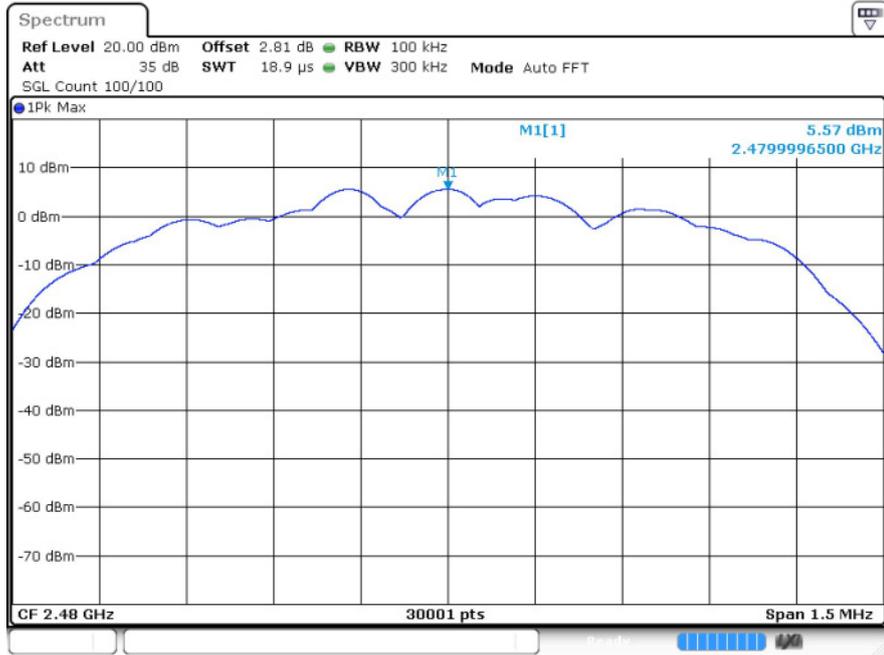


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π /4DQPSK_HCH_Graphs

Pref



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