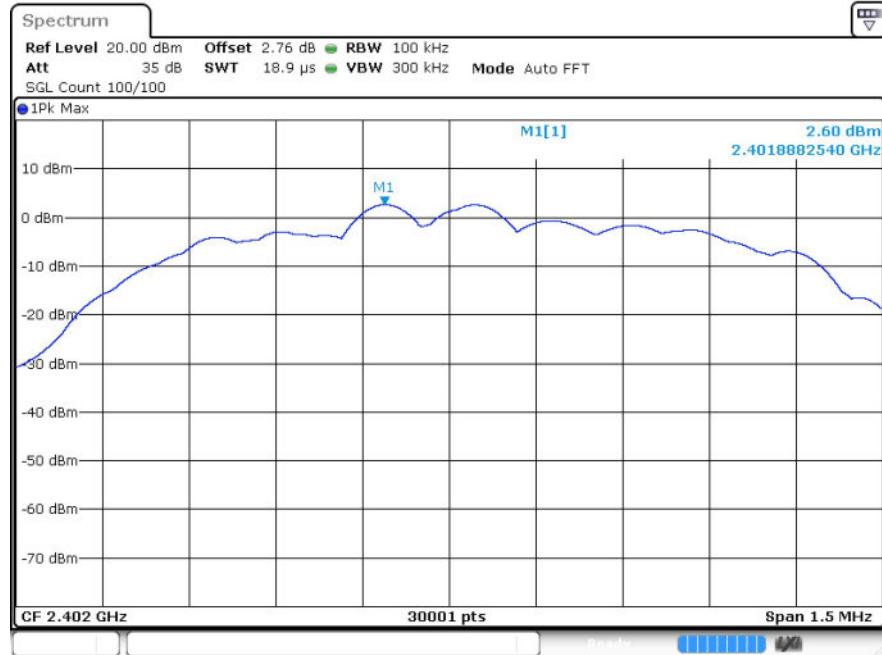
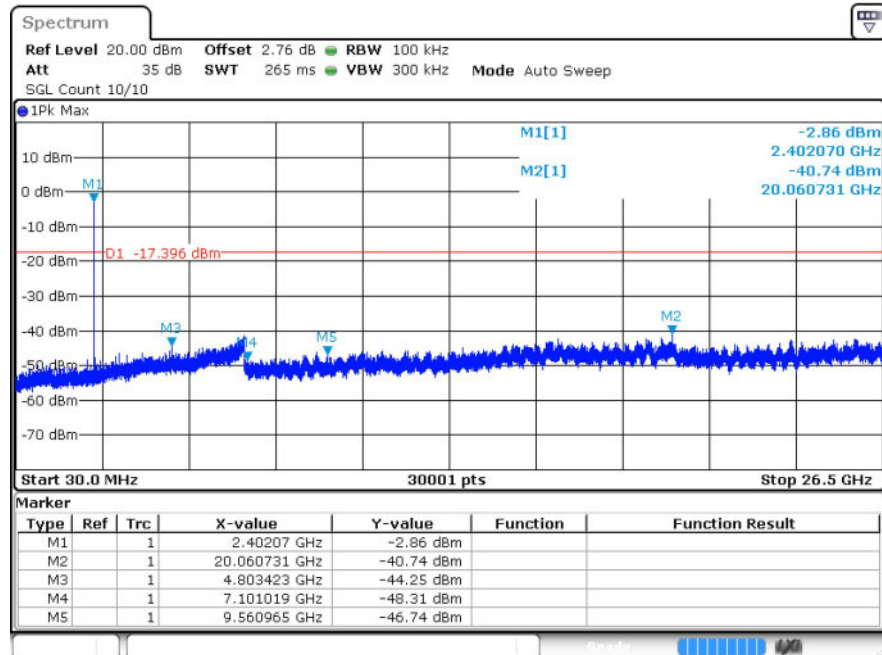


# $\pi/4$ DQPSK\_LCH\_Graphs

Pref

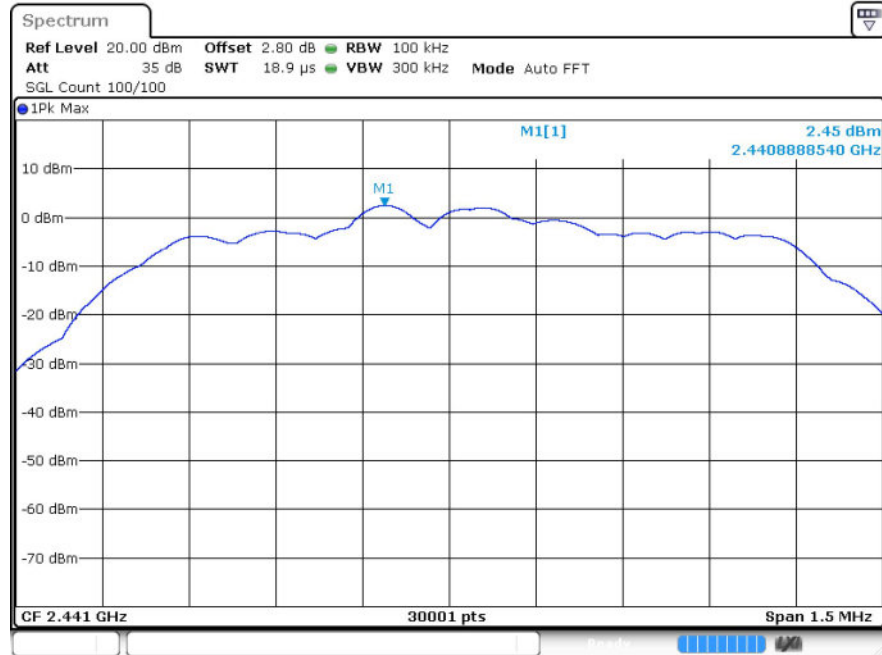


Puw

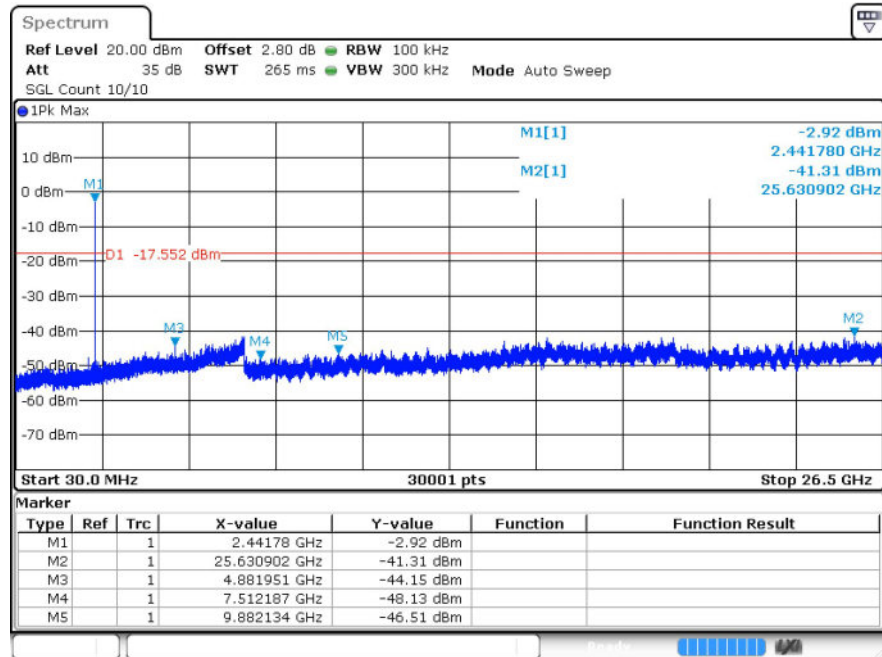


### $\pi/4$ DQPSK\_MCH\_Graphs

Pref

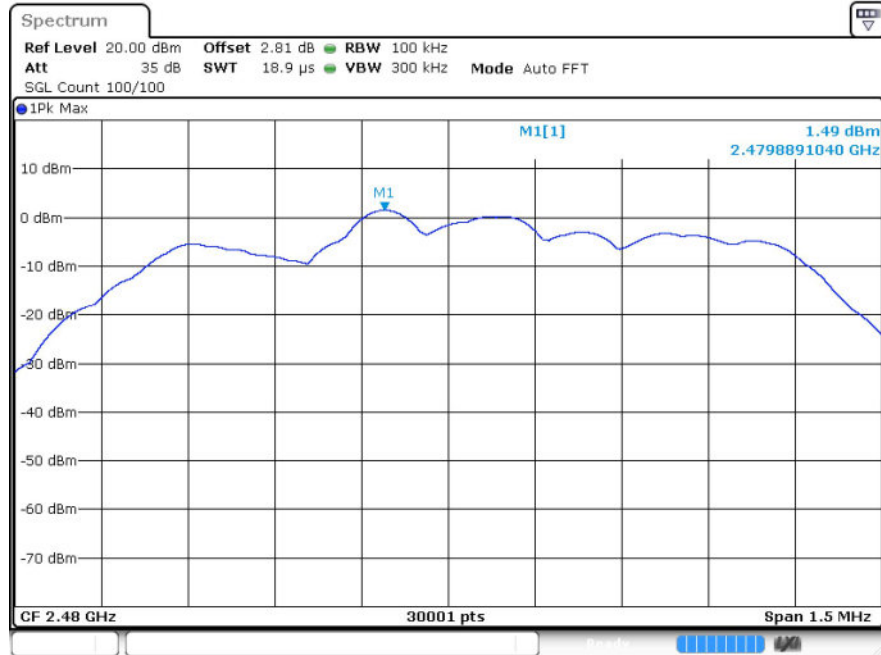


Puw

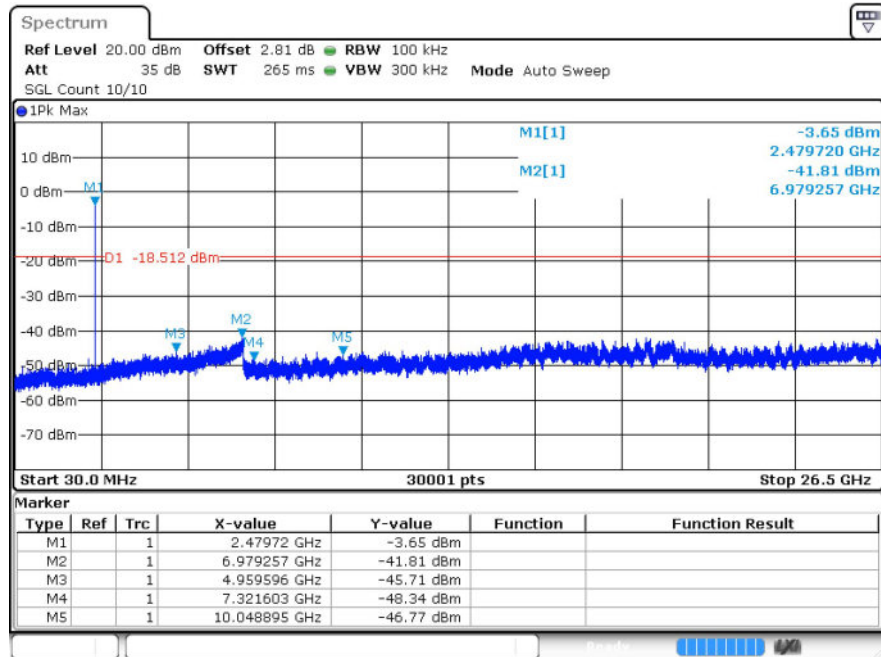


# $\pi/4$ DQPSK\_HCH\_Graphs

Pref

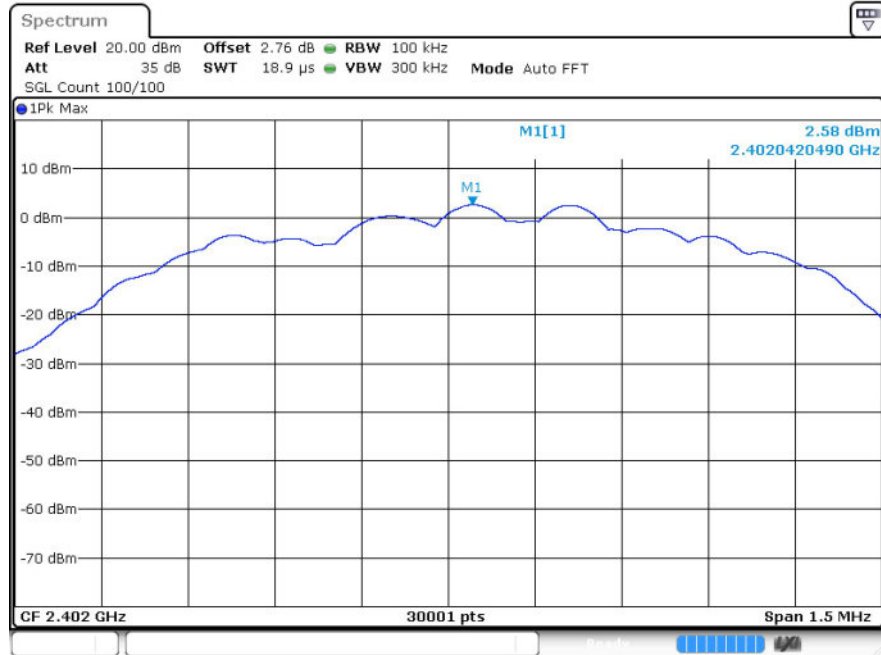


Puw

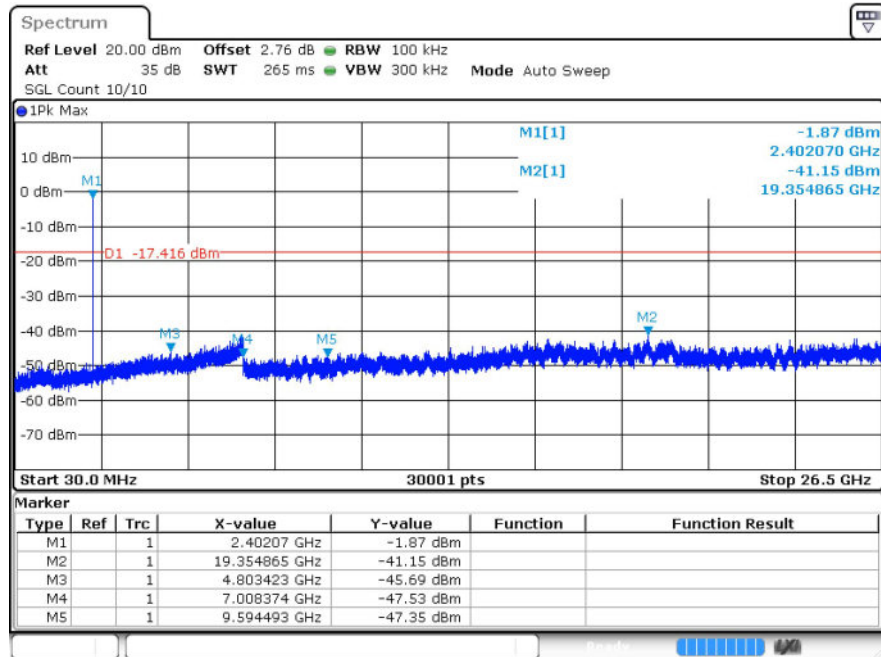


## 8DPSK\_LCH\_Graphs

Pref

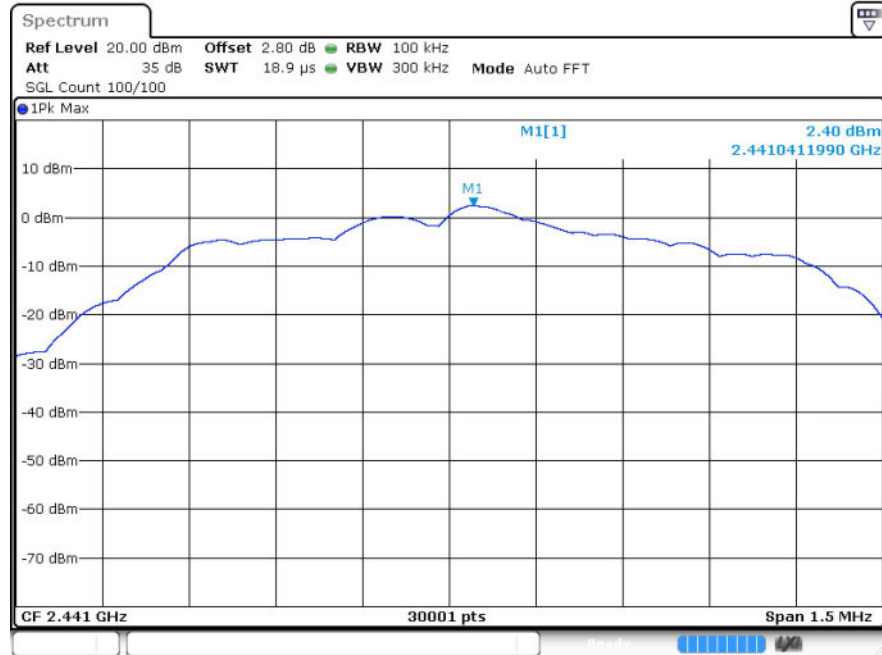


Puw

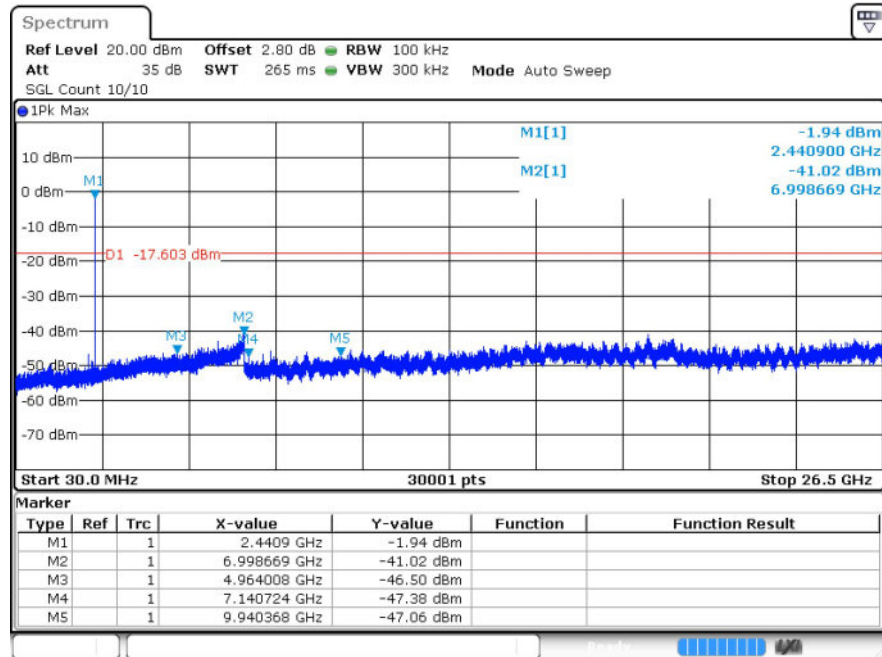


## 8DPSK\_MCH\_Graphs

Pref

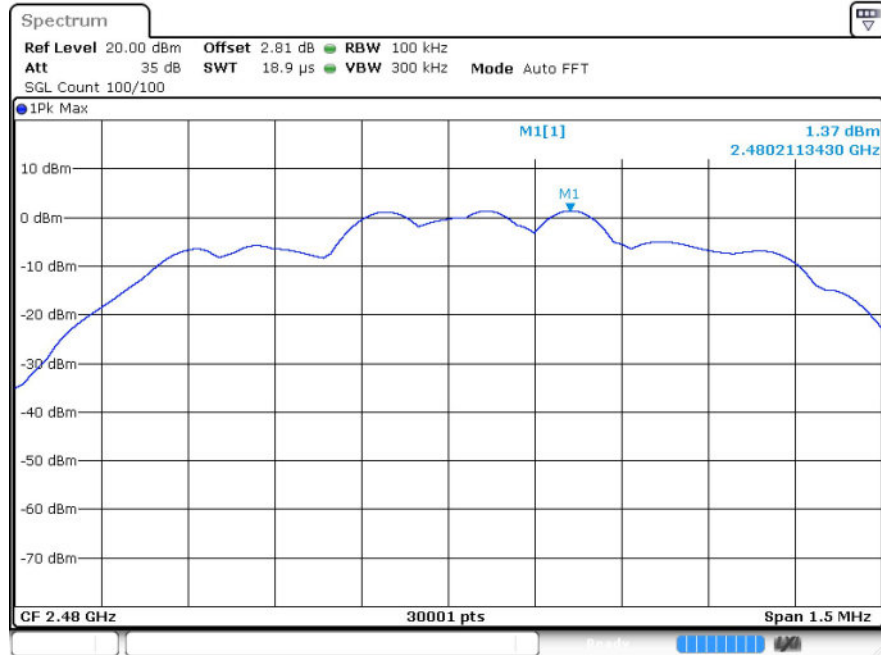


Puw

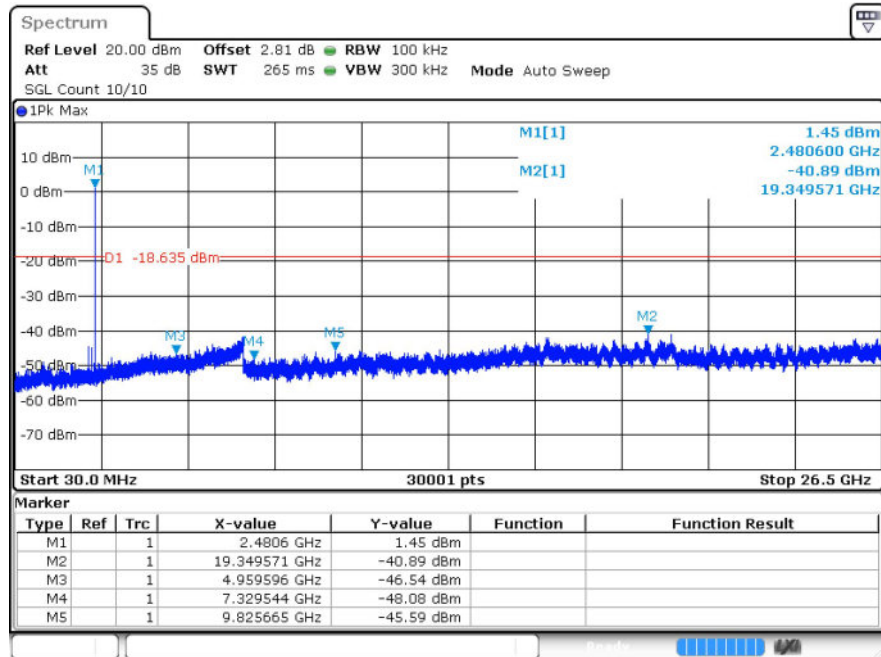


## 8DPSK\_HCH\_Graphs

Pref



Puw

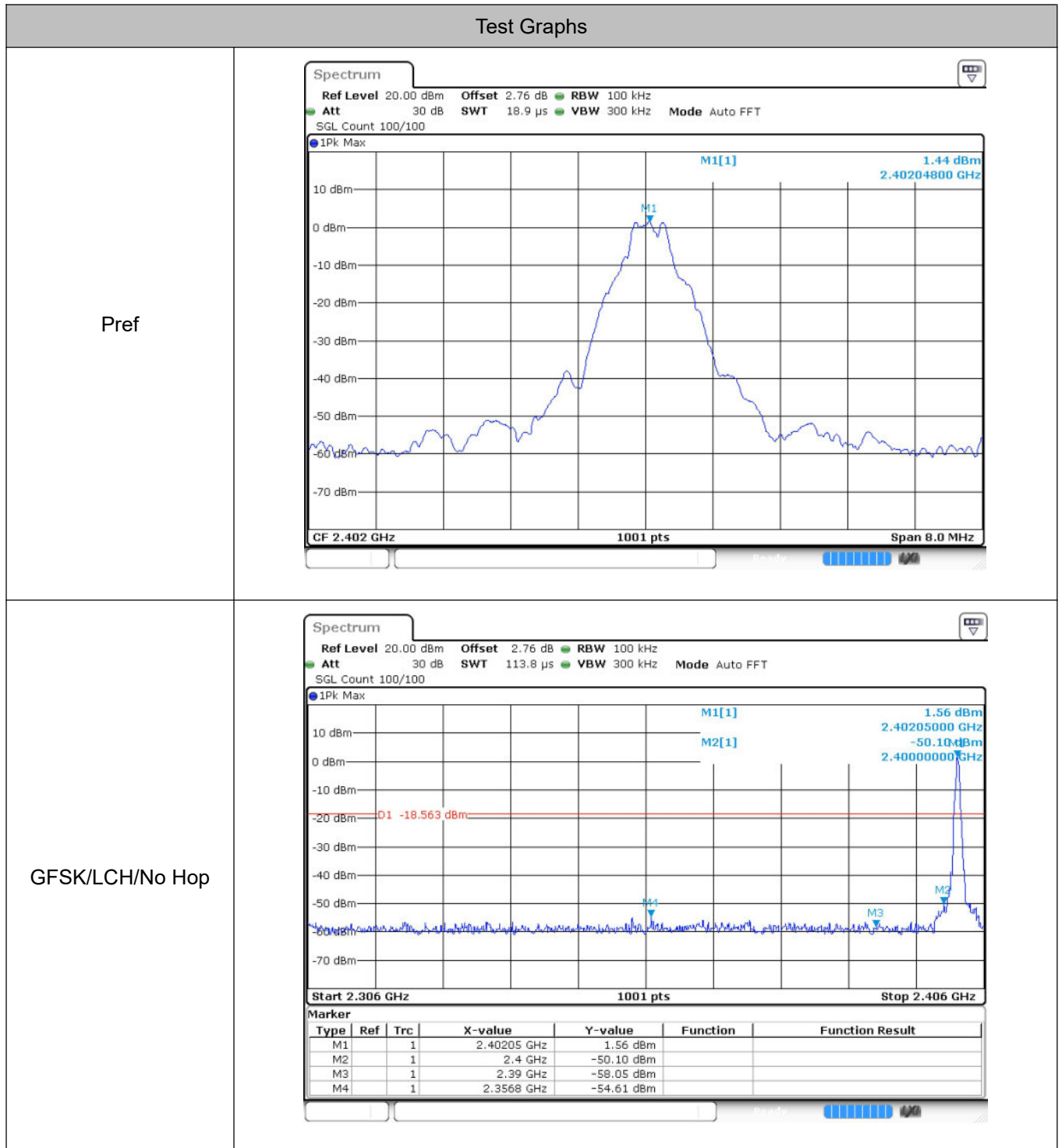


## 8 Band-edge for RF Conducted Emissions

### 8.1 Test Result

| Mode          | Channel | Carrier Frequency [MHz] | Frequency Hopping | Max Spurious Level [dBc] | Limit [dBc] | Verdict |
|---------------|---------|-------------------------|-------------------|--------------------------|-------------|---------|
| GFSK          | LCH     | 2402                    | Off               | -56.05                   | -20         | Pass    |
|               |         |                         | On                | -48.54                   | -20         | Pass    |
|               | HCH     | 2480                    | Off               | -57.63                   | -20         | Pass    |
|               |         |                         | On                | -48.14                   | -20         | Pass    |
| $\pi/4$ DQPSK | LCH     | 2402                    | Off               | -53.38                   | -20         | Pass    |
|               |         |                         | On                | -48.99                   | -20         | Pass    |
|               | HCH     | 2480                    | Off               | -56.12                   | -20         | Pass    |
|               |         |                         | On                | -48.29                   | -20         | Pass    |
| 8DPSK         | LCH     | 2402                    | Off               | -53.35                   | -20         | Pass    |
|               |         |                         | On                | -48.99                   | -20         | Pass    |
|               | HCH     | 2480                    | Off               | -56.29                   | -20         | Pass    |
|               |         |                         | On                | -48.75                   | -20         | Pass    |

## 8.2 Test Graphs

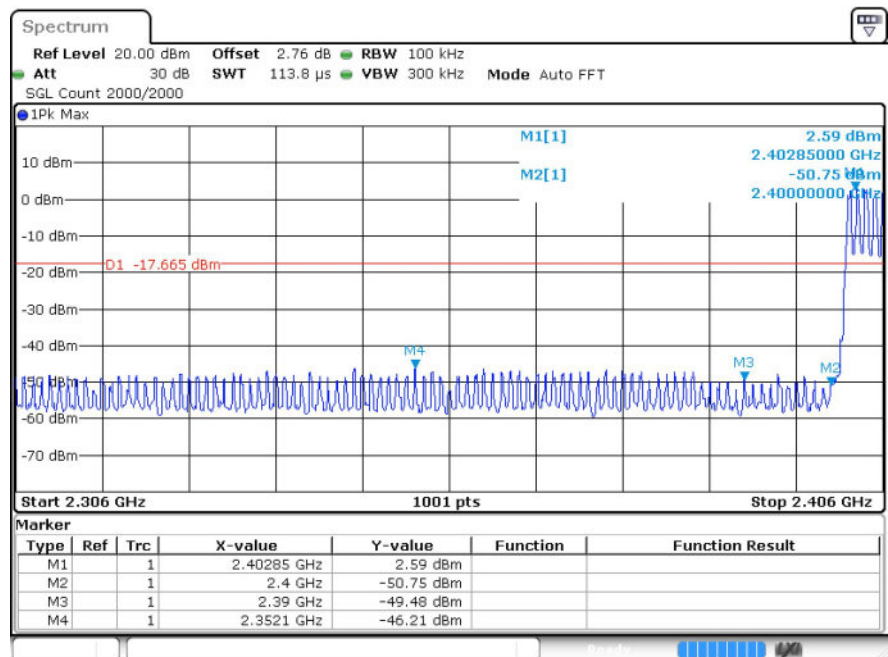




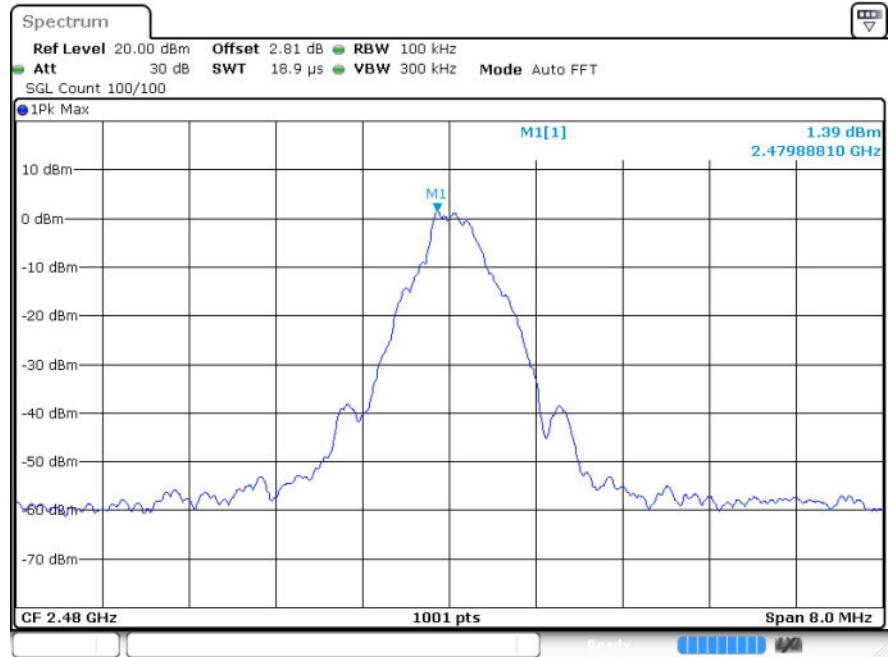
Ref



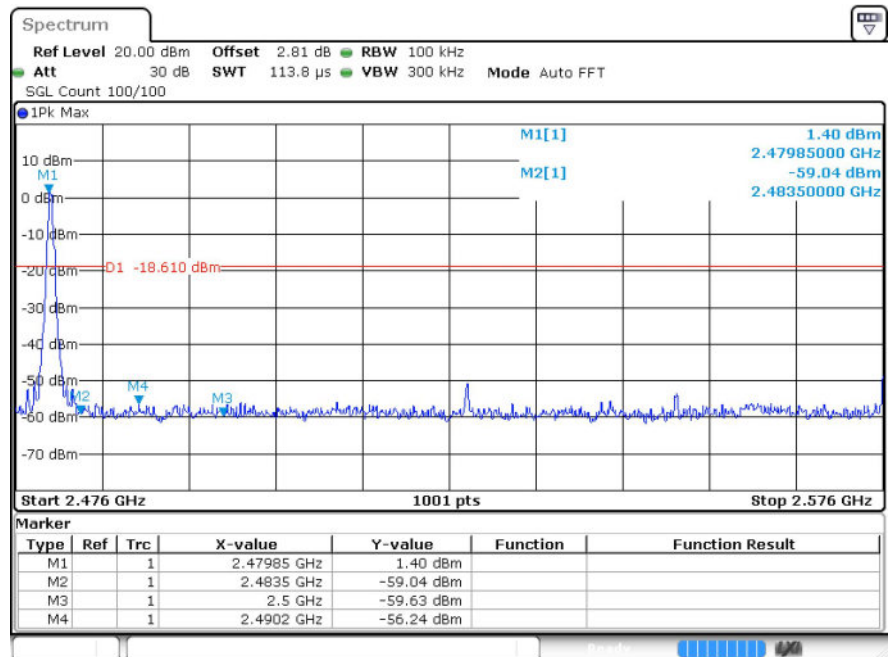
GFSK/LCH/Hop



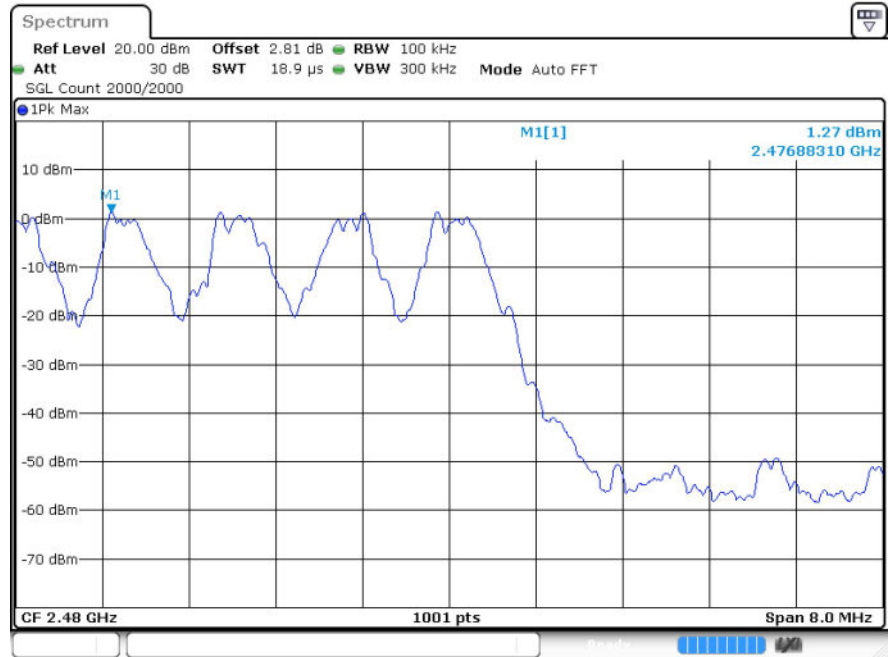
Ref



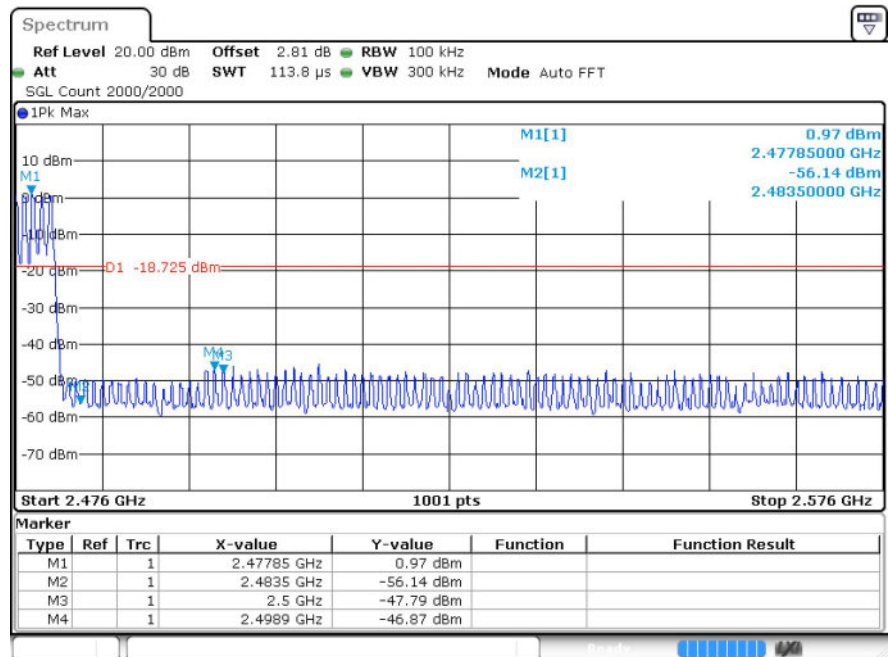
GFSK/HCH/No Hop



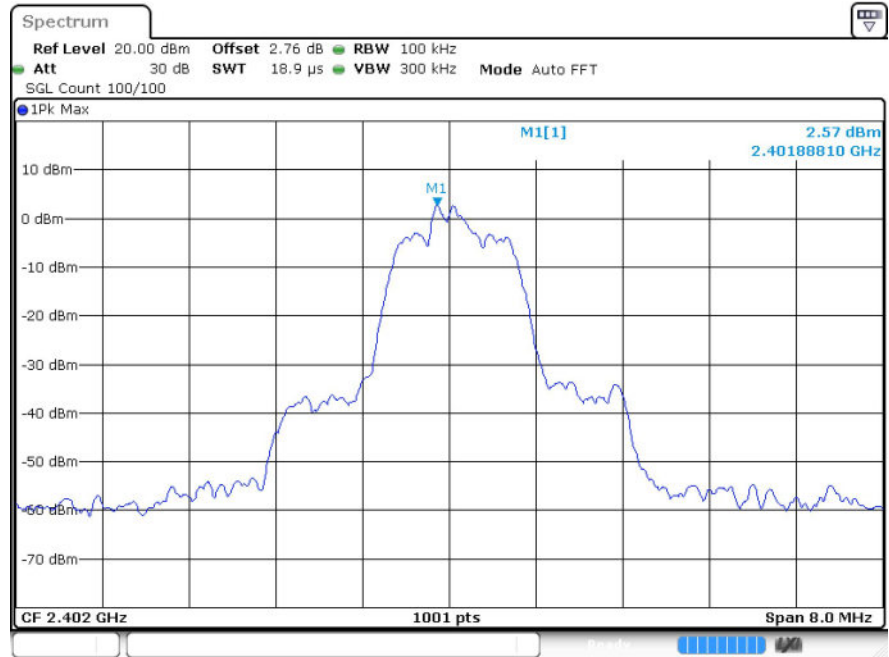
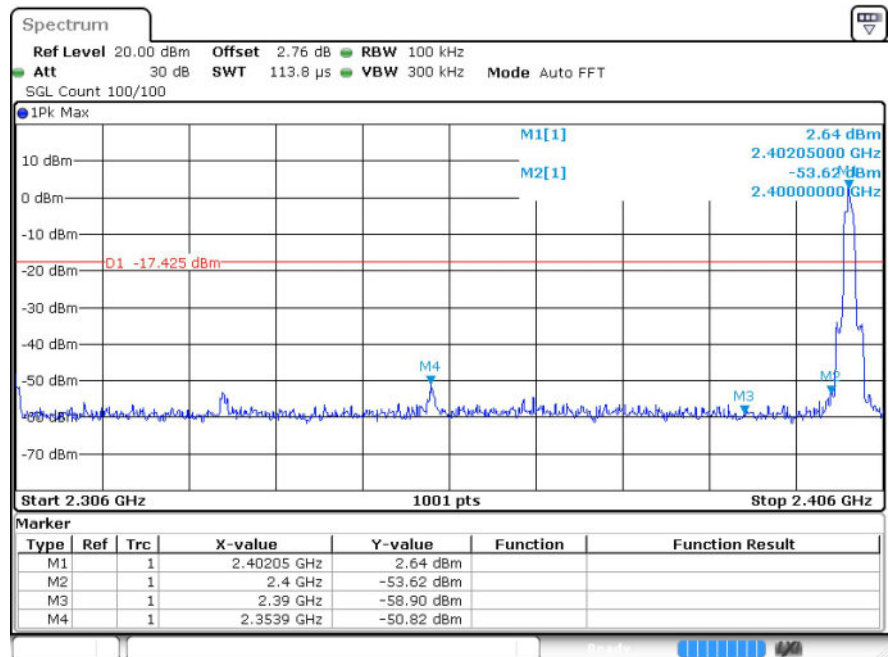
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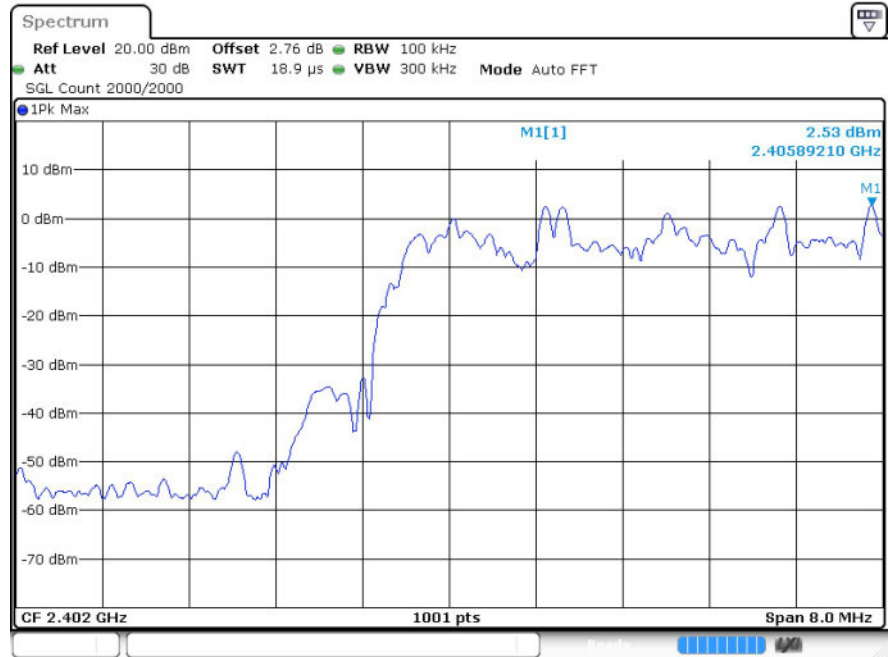
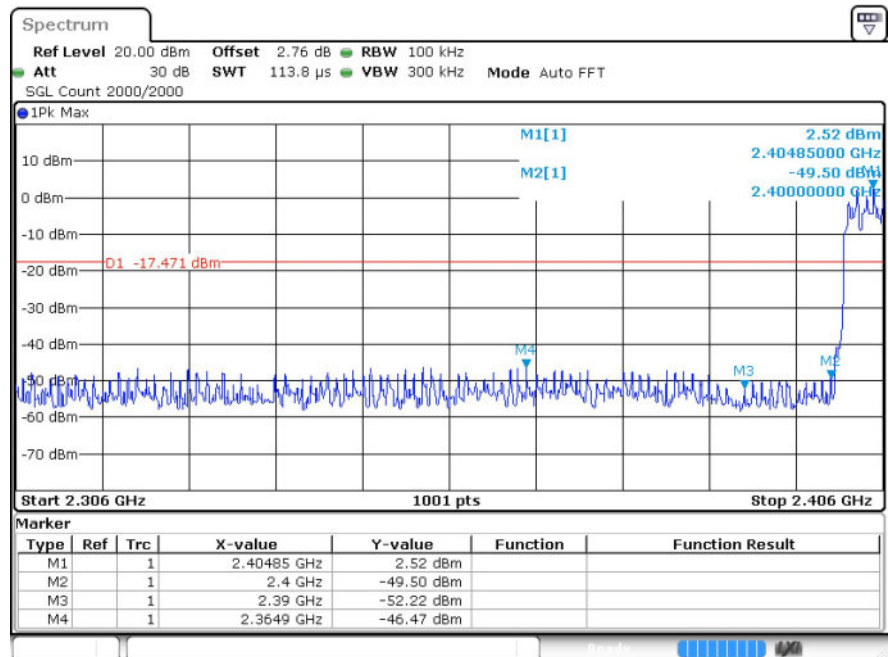
GFSK/HCH/Hop



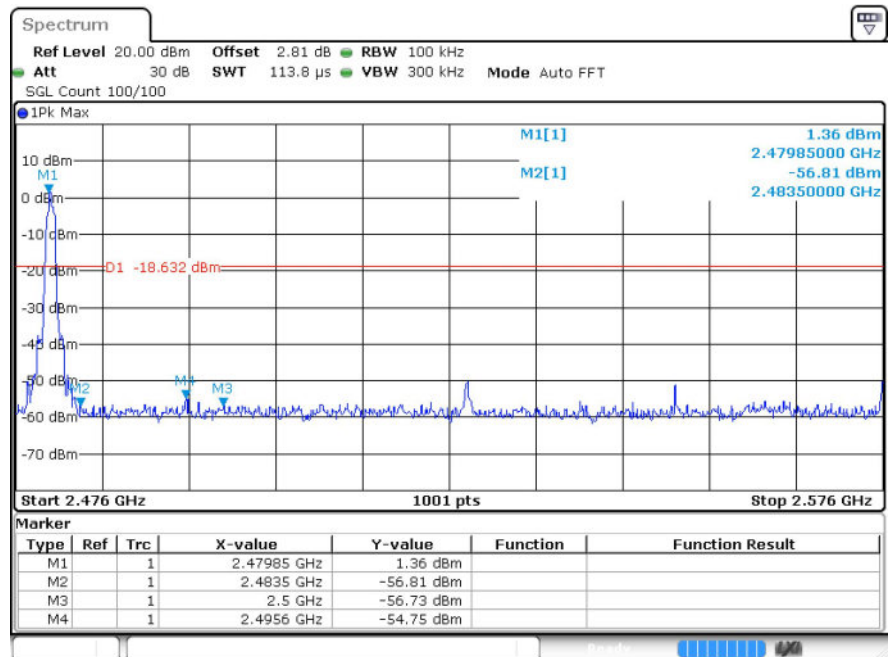
Ref


 $\pi/4$ DQPSK/LCH/No  
Hop


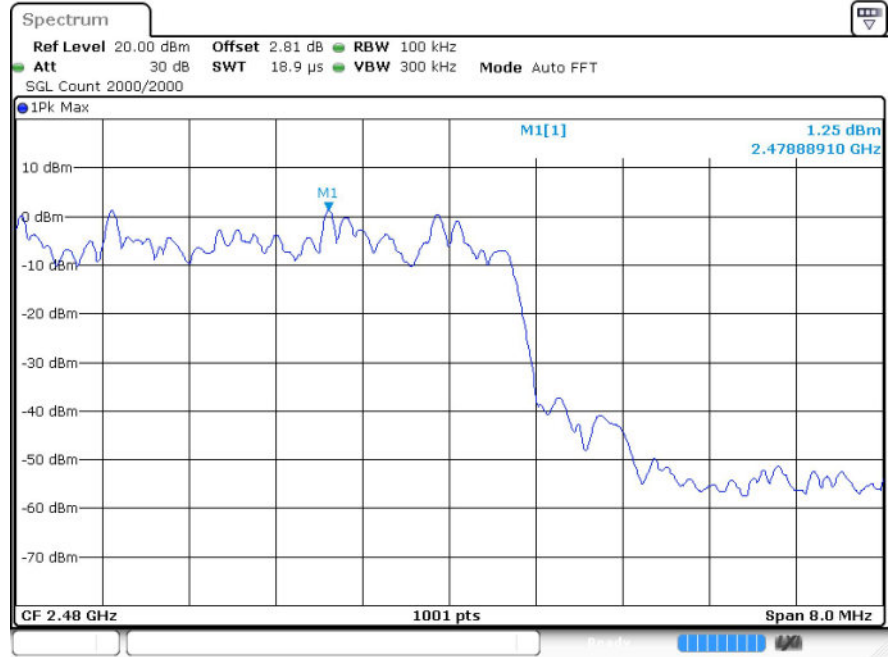
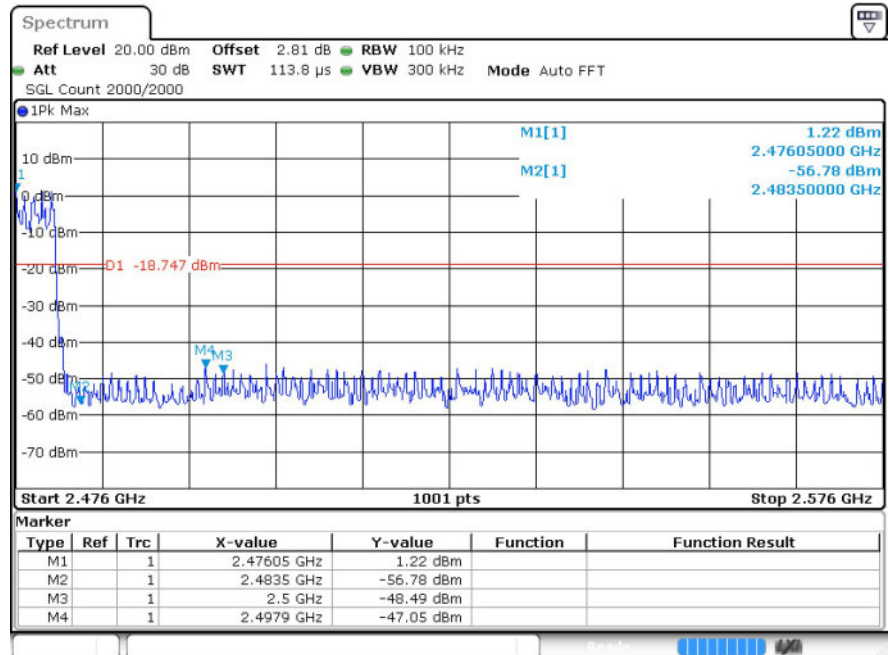
Ref


 $\pi/4$ DQPSK/LCH/Hop


Ref

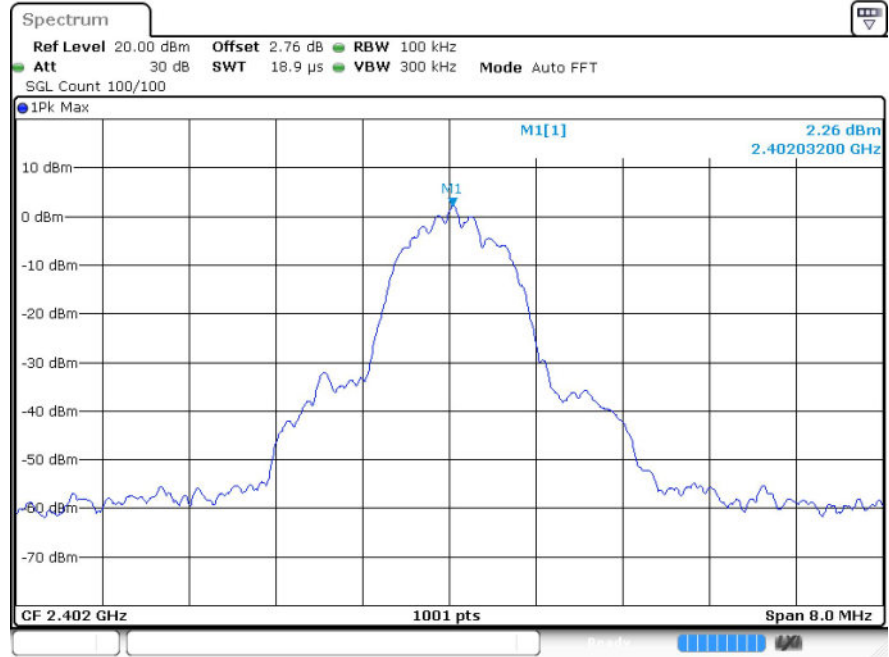

 $\pi/4$ DQPSK/HCH/No Hop


Ref

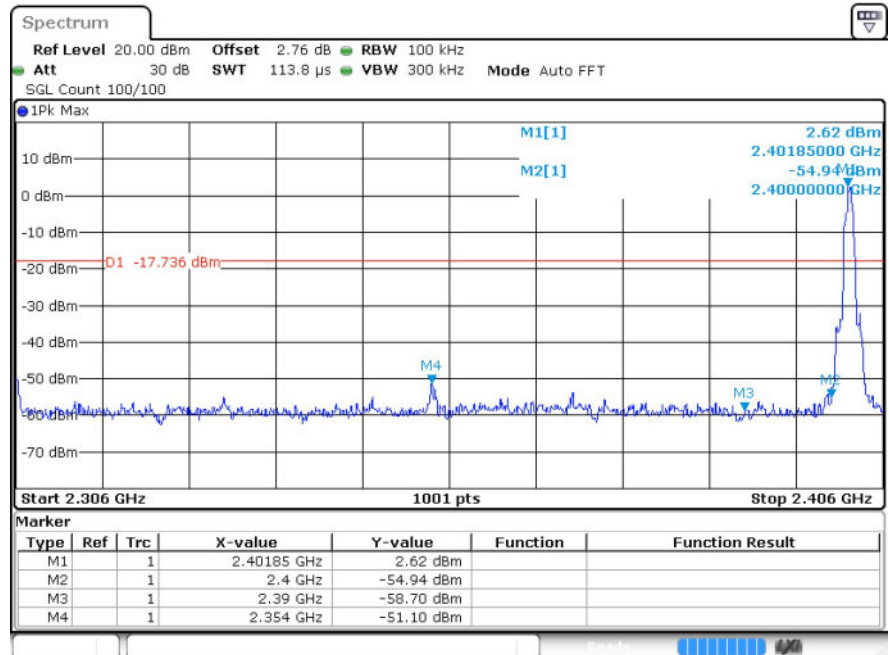

 $\pi/4$ DQPSK/HCH/Hop




Ref



8DPSK/LCH/No Hop

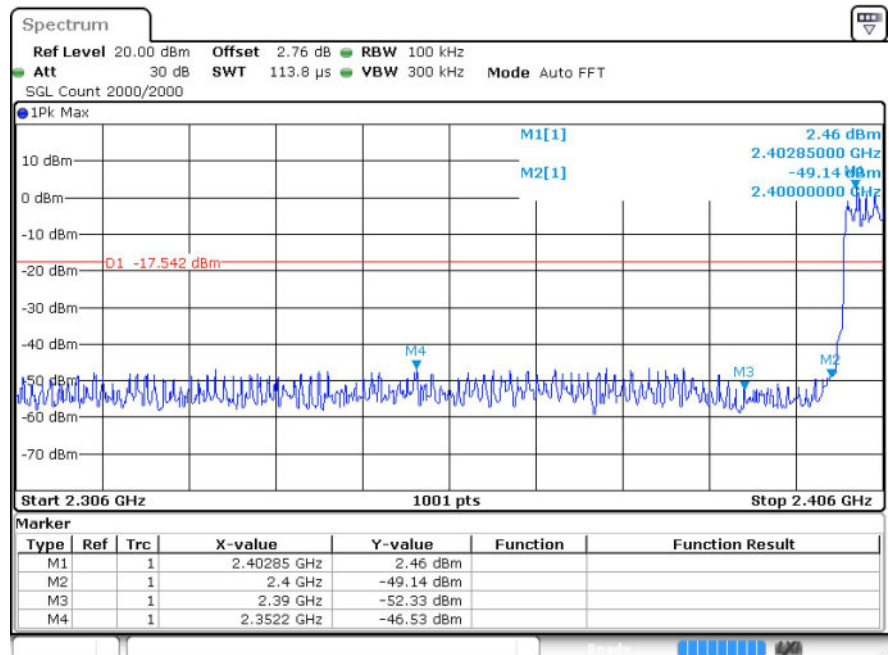




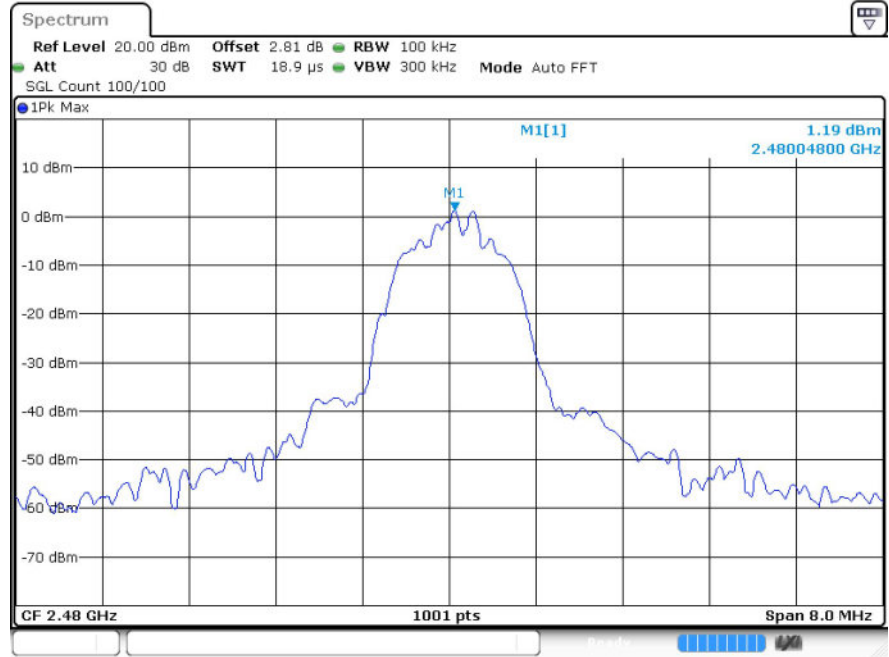
Ref



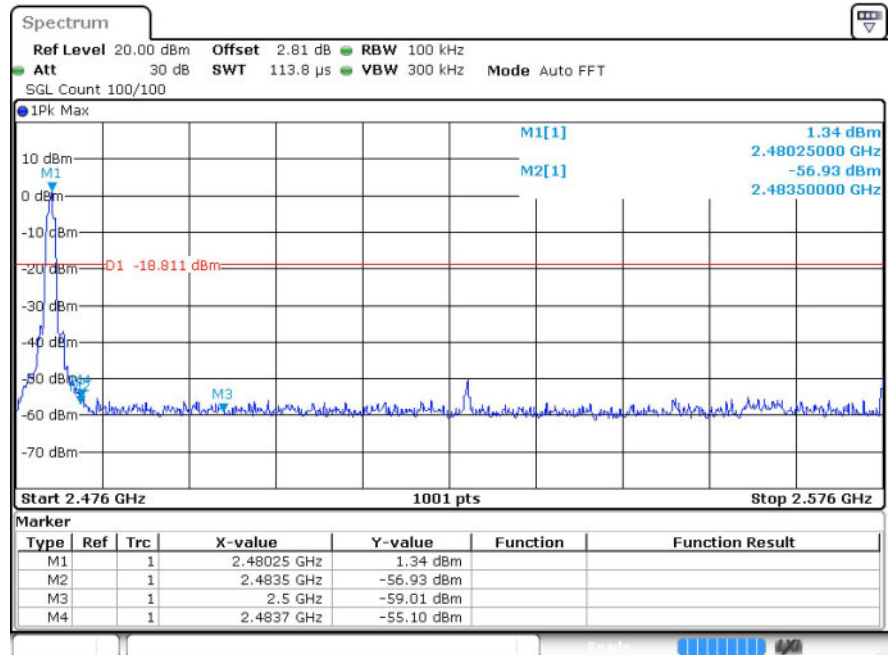
8DPSK/LCH/Hop



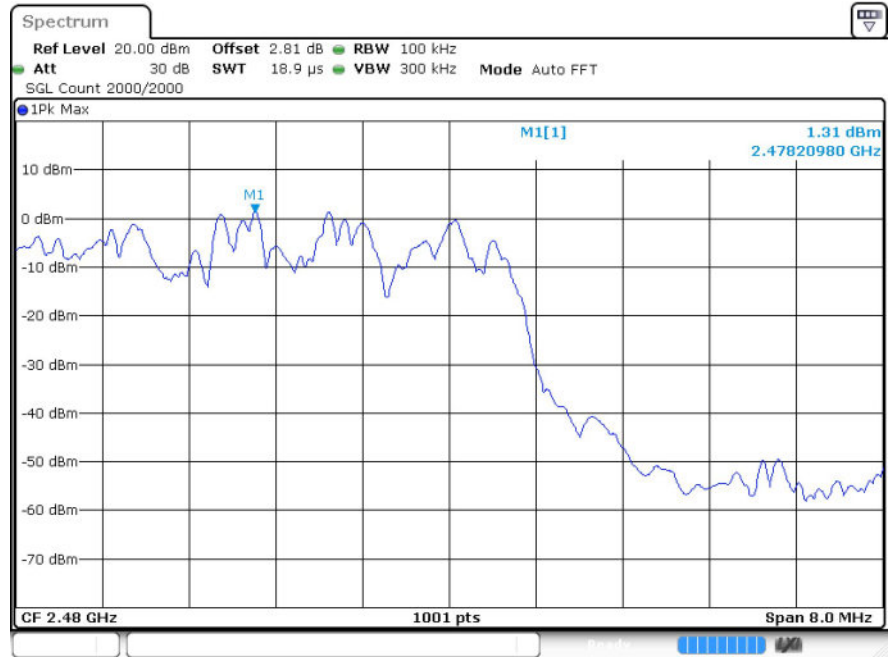
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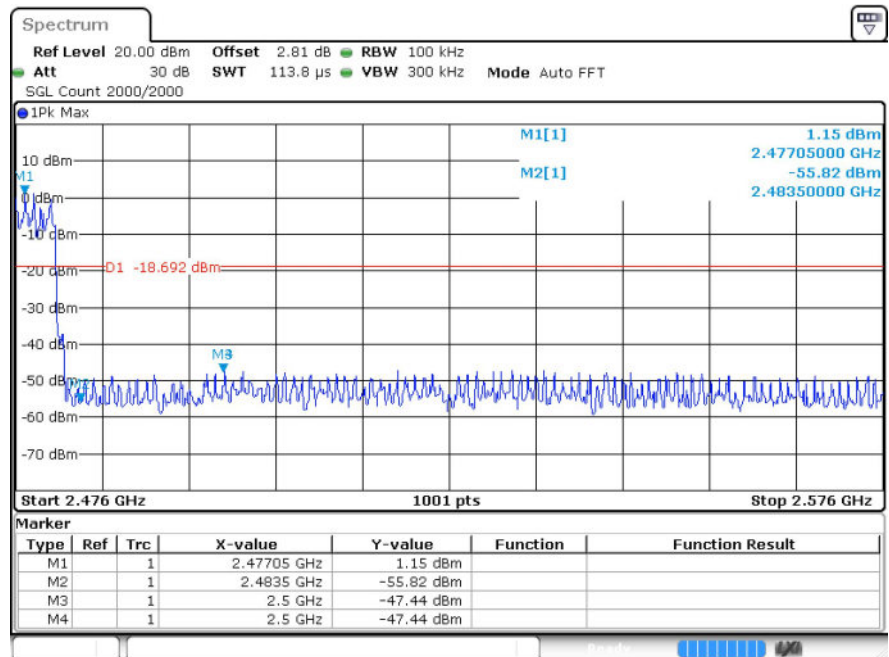
8DPSK/HCH/No Hop



Ref



8DPSK/HCH/Hop



## 9 Restrict-band band-edge measurements

### 9.1 Test Result

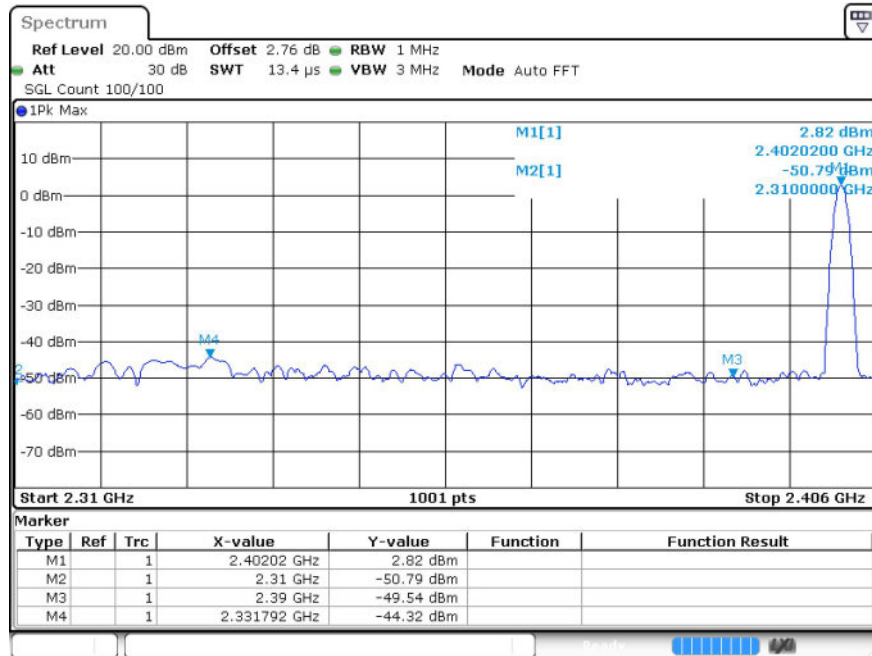
| Test Mode     | Hopping | Freq.    | Power [dBm] | Gain | Duty Factor | E [dBuV/m] | Detector | Limit [dBuV/m] | Verdict |
|---------------|---------|----------|-------------|------|-------------|------------|----------|----------------|---------|
| GFSK          | Off     | 2310.0   | -50.79      | 2    | -           | 46.47      | PEAK     | 74             | Pass    |
|               | Off     | 2310.0   | -57.11      | 2    | 4.95        | 45.1       | AV       | 54             | Pass    |
|               | Off     | 2331.792 | -44.32      | 2    | -           | 52.94      | PEAK     | 74             | Pass    |
|               | Off     | 2354.064 | -53.85      | 2    | 4.95        | 48.36      | AV       | 54             | Pass    |
|               | Off     | 2390.0   | -49.54      | 2    | -           | 47.72      | PEAK     | 74             | Pass    |
|               | Off     | 2390.0   | -55.98      | 2    | 4.95        | 46.23      | AV       | 54             | Pass    |
|               | Off     | 2483.5   | -47.88      | 2    | -           | 49.38      | PEAK     | 74             | Pass    |
|               | Off     | 2483.5   | -55.92      | 2    | 5.02        | 46.36      | AV       | 54             | Pass    |
|               | Off     | 2490.832 | -46.77      | 2    | -           | 50.49      | PEAK     | 74             | Pass    |
|               | Off     | 2491.888 | -55.6       | 2    | 5.02        | 46.68      | AV       | 54             | Pass    |
|               | Off     | 2500.0   | -48.83      | 2    | -           | 48.43      | PEAK     | 74             | Pass    |
|               | Off     | 2500.0   | -56.39      | 2    | 5.02        | 45.89      | AV       | 54             | Pass    |
| $\pi/4$ DQPSK | Off     | 2310.0   | -51.12      | 2    | -           | 46.14      | PEAK     | 74             | Pass    |
|               | Off     | 2310.0   | -56.38      | 2    | 4.95        | 45.83      | AV       | 54             | Pass    |
|               | Off     | 2354.064 | -45.43      | 2    | -           | 51.83      | PEAK     | 74             | Pass    |
|               | Off     | 2354.064 | -53.72      | 2    | 4.95        | 48.49      | AV       | 54             | Pass    |
|               | Off     | 2390.0   | -49.72      | 2    | -           | 47.54      | PEAK     | 74             | Pass    |
|               | Off     | 2390.0   | -56.83      | 2    | 4.95        | 45.38      | AV       | 54             | Pass    |
|               | Off     | 2483.5   | -46.46      | 2    | -           | 50.8       | PEAK     | 74             | Pass    |
|               | Off     | 2483.5   | -56.32      | 2    | 4.95        | 45.89      | AV       | 54             | Pass    |
|               | Off     | 2498.56  | -46.35      | 2    | -           | 50.91      | PEAK     | 74             | Pass    |
|               | Off     | 2499.424 | -55.38      | 2    | 4.95        | 46.83      | AV       | 54             | Pass    |
|               | Off     | 2500.0   | -49.05      | 2    | -           | 48.21      | PEAK     | 74             | Pass    |
|               | Off     | 2500.0   | -56.03      | 2    | 4.95        | 46.18      | AV       | 54             | Pass    |
| 8DPSK         | Off     | 2310.0   | -49.35      | 2    | -           | 47.91      | PEAK     | 74             | Pass    |
|               | Off     | 2310.0   | -56.65      | 2    | 4.84        | 45.45      | AV       | 54             | Pass    |
|               | Off     | 2354.352 | -46.28      | 2    | -           | 50.98      | PEAK     | 74             | Pass    |
|               | Off     | 2339.568 | -54.9       | 2    | 4.84        | 47.2       | AV       | 54             | Pass    |



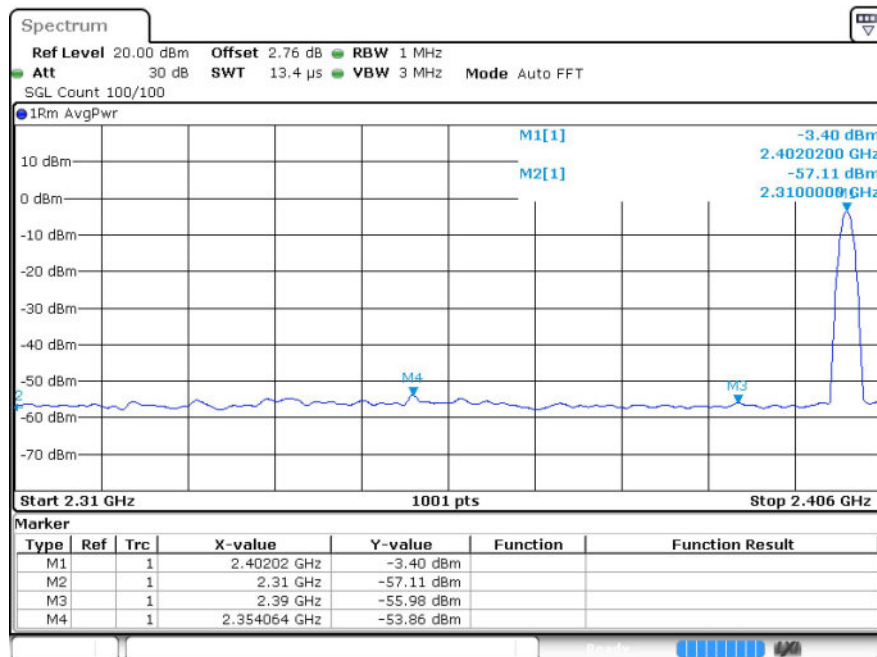
|     |          |        |   |      |       |      |    |      |
|-----|----------|--------|---|------|-------|------|----|------|
| Off | 2390.0   | -48.62 | 2 | -    | 48.64 | PEAK | 74 | Pass |
| Off | 2390.0   | -56.11 | 2 | 4.84 | 45.99 | AV   | 54 | Pass |
| Off | 2483.5   | -49.51 | 2 | -    | 47.75 | PEAK | 74 | Pass |
| Off | 2483.5   | -56.73 | 2 | 4.95 | 45.48 | AV   | 54 | Pass |
| Off | 2485.912 | -47.4  | 2 | -    | 49.86 | PEAK | 74 | Pass |
| Off | 2487.448 | -55.39 | 2 | 4.95 | 46.82 | AV   | 54 | Pass |
| Off | 2500.0   | -48.74 | 2 | -    | 48.52 | PEAK | 74 | Pass |
| Off | 2500.0   | -56.32 | 2 | 4.95 | 45.89 | AV   | 54 | Pass |

## 9.2 Test Graphs

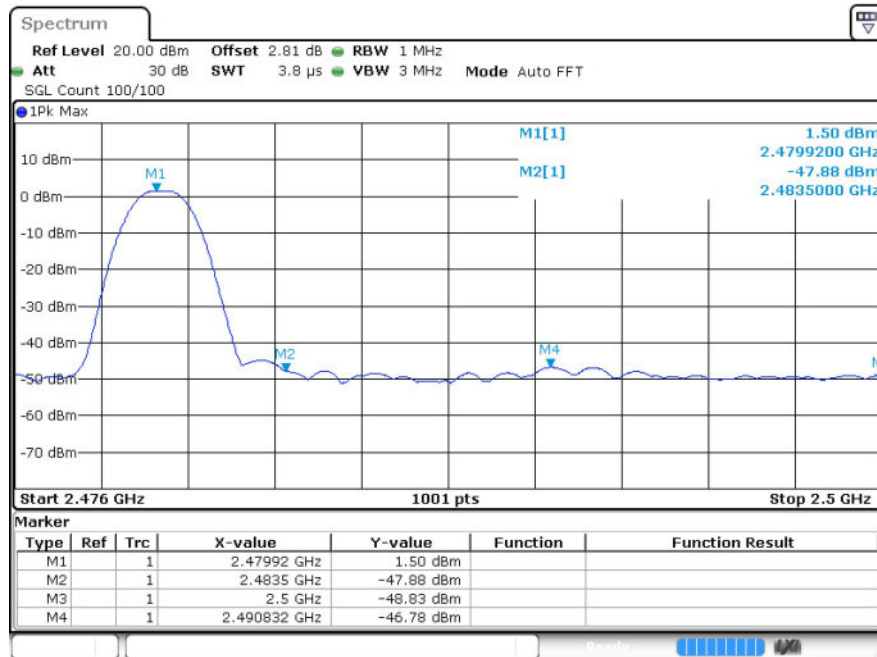
Restrict-band band-edge measurements\_Hopping Off\_ GFSK\_PEAK (Low Channel)



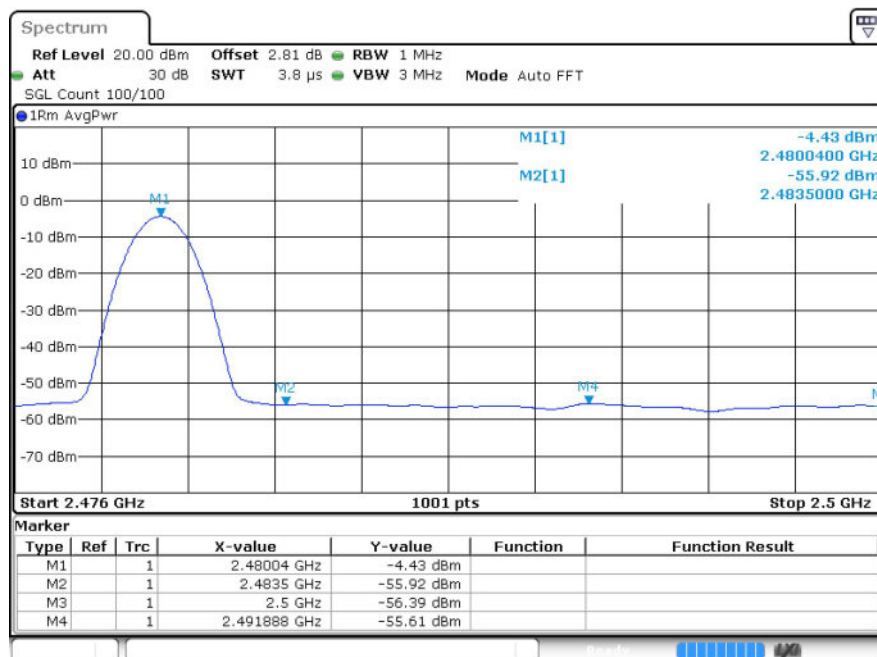
Restrict-band band-edge measurements\_Hopping Off\_ GFSK\_Average (Low Channel)



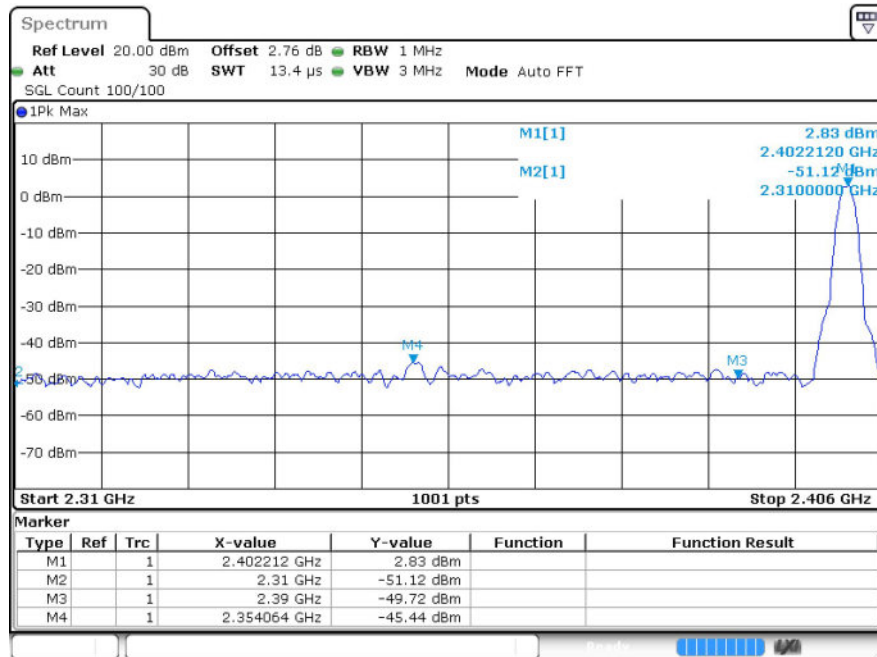
## Restrict-band band-edge measurements\_Hopping Off\_ GFSK\_PEAK (High Channel)



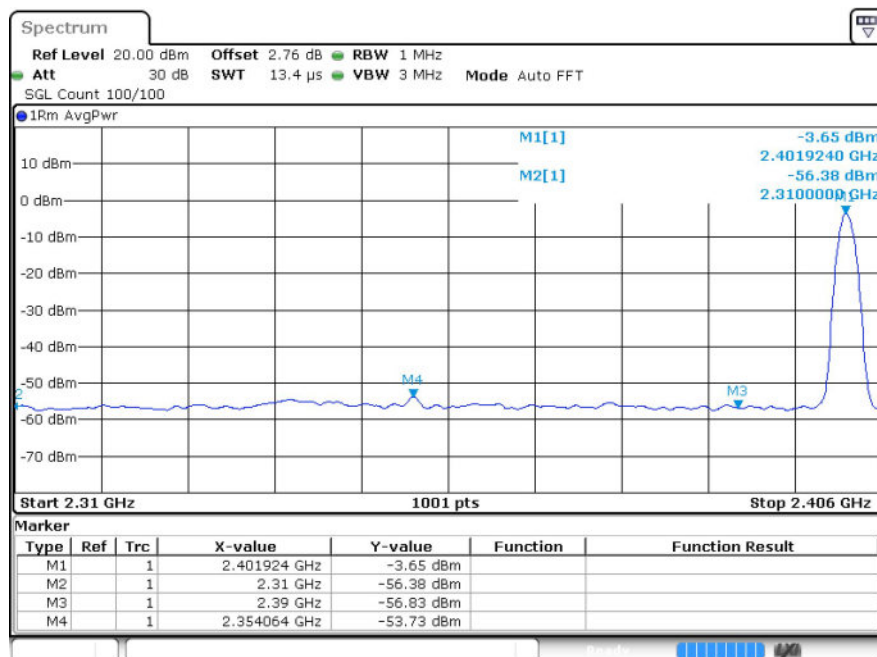
## Restrict-band band-edge measurements\_Hopping Off\_ GFSK\_Average (High Channel)



## Restrict-band band-edge measurements\_Hopping Off\_π/4-DQPSK\_PEAK (Low Channel)

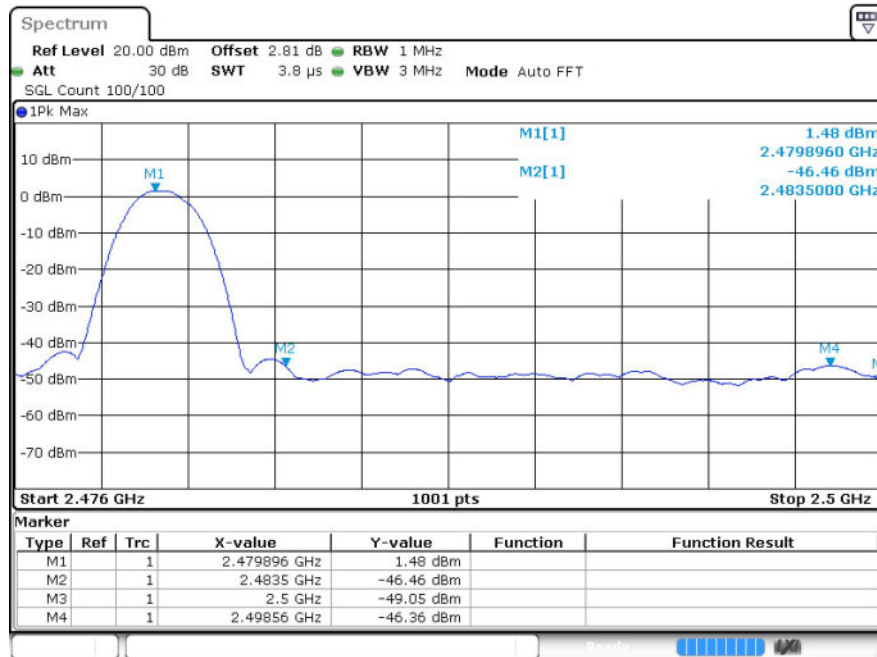


## Restrict-band band-edge measurements\_Hopping Off\_π/4-DQPSK\_Average (Low Channel)

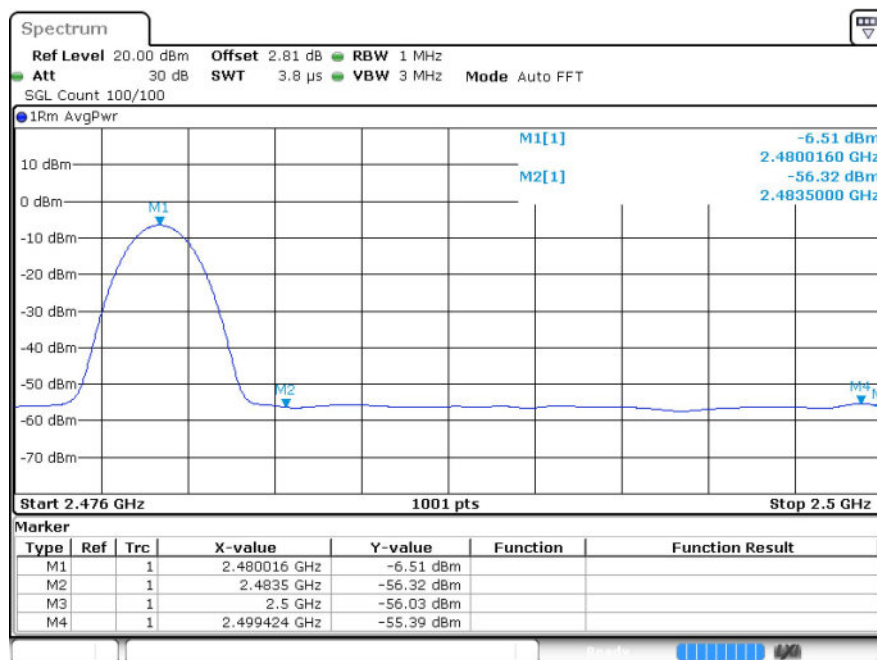




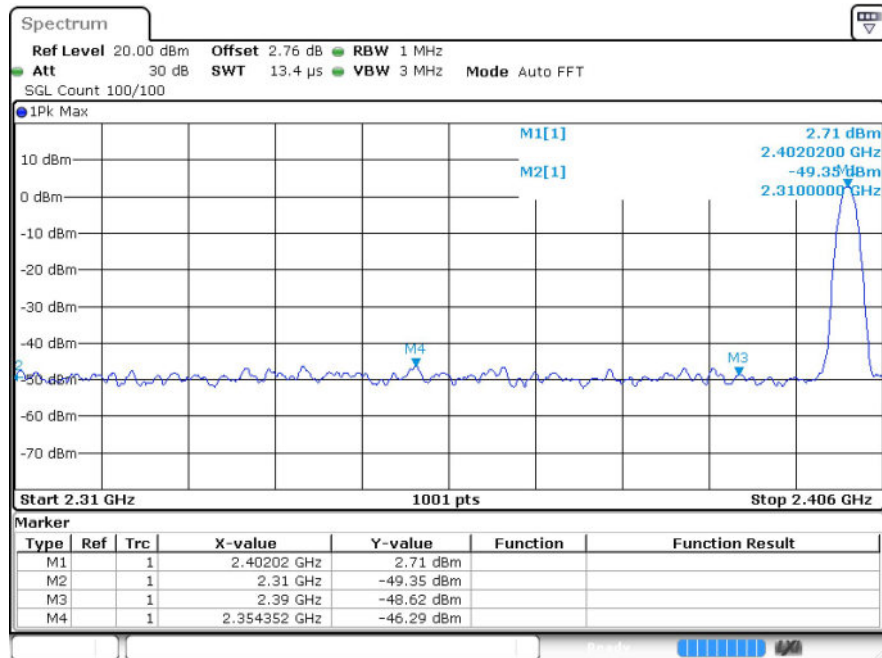
## Restrict-band band-edge measurements\_Hopping Off\_π/4-DQPSK\_PEAK (High Channel)



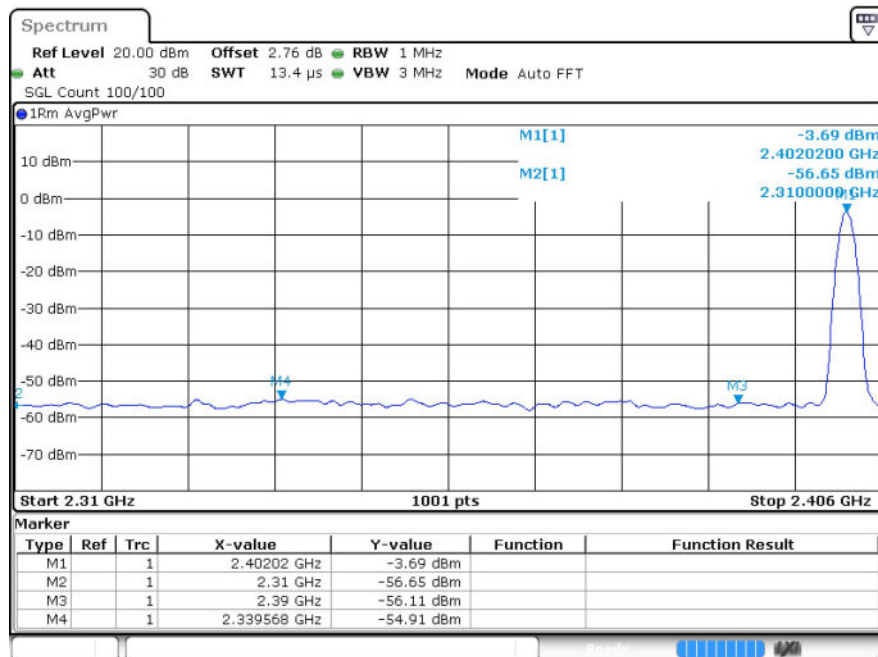
## Restrict-band band-edge measurements\_Hopping Off\_π/4-DQPSK\_Average (High Channel)



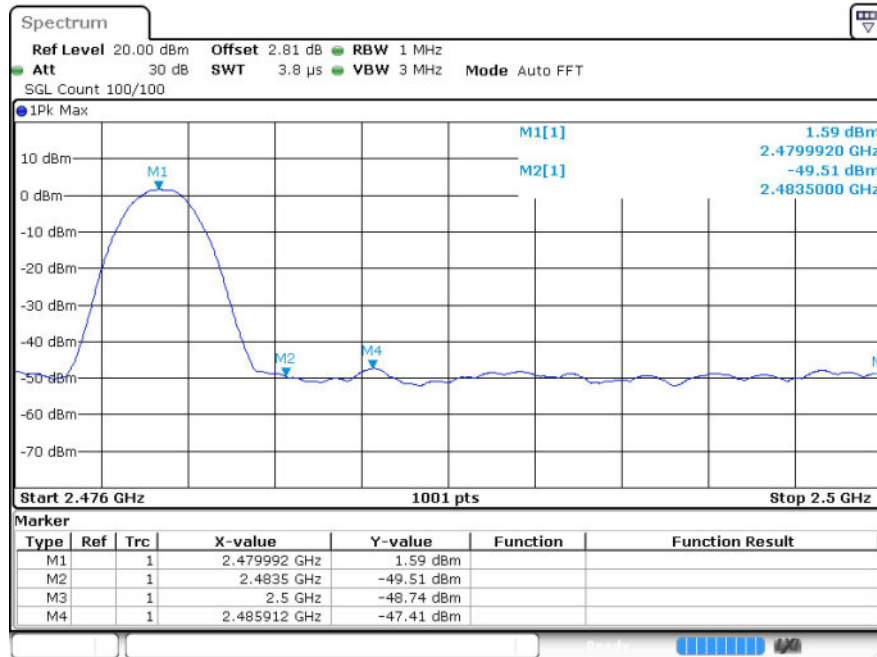
## Restrict-band band-edge measurements\_Hopping Off\_8DPSK\_PEAK (Low Channel)



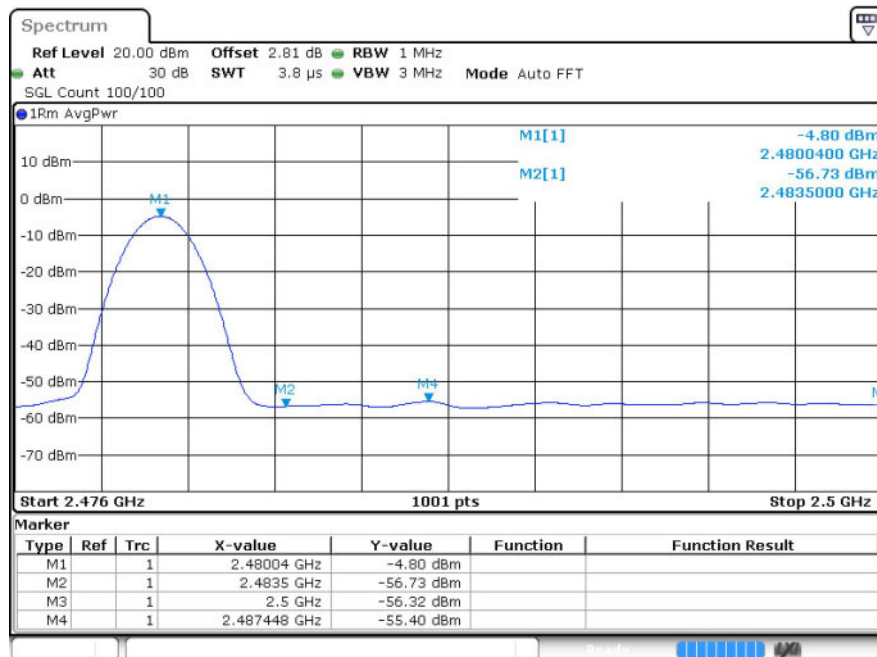
## Restrict-band band-edge measurements\_Hopping Off\_8DPSK\_Average (Low Channel)



## Restrict-band band-edge measurements\_Hopping Off\_8DPSK\_PEAK (High Channel)



## Restrict-band band-edge measurements\_Hopping Off\_8DPSK\_Average (High Channel)



---The End---