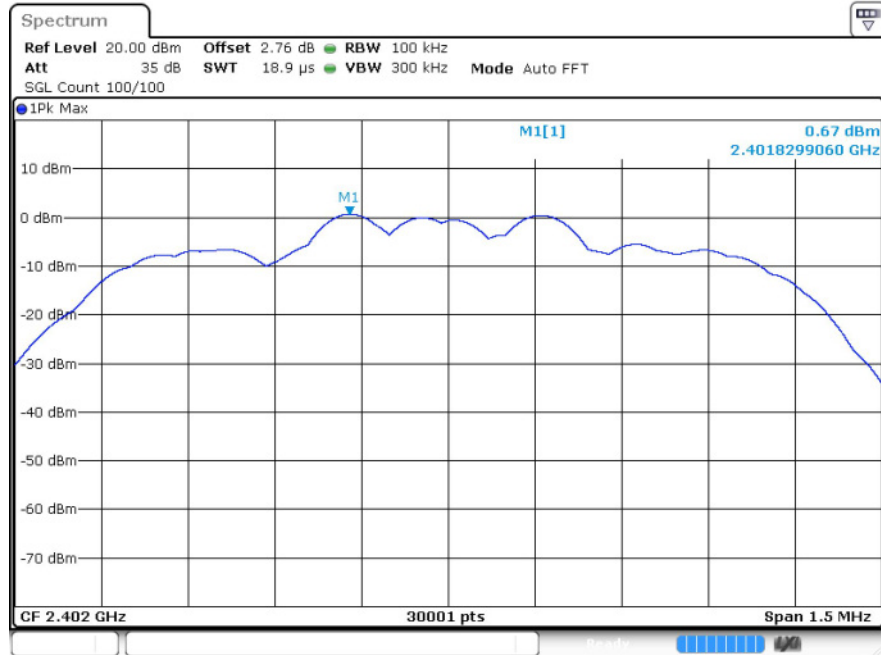
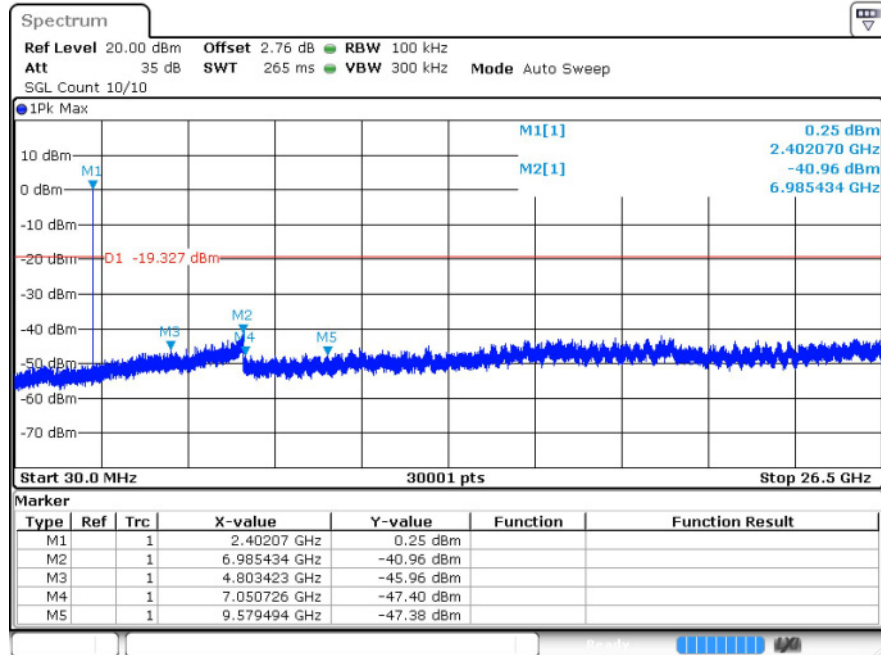


## 8DPSK\_LCH\_Graphs

Pref

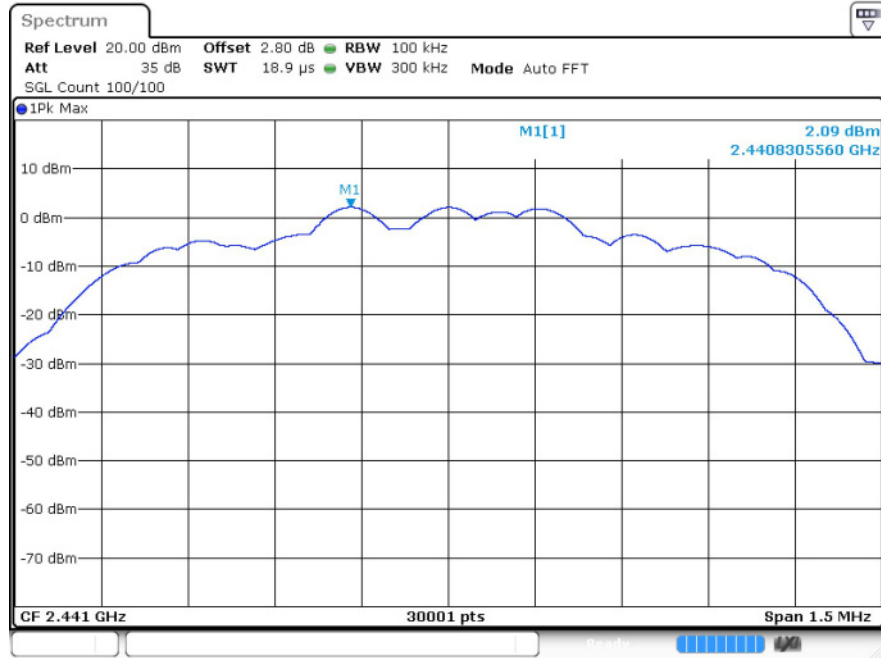


Puw

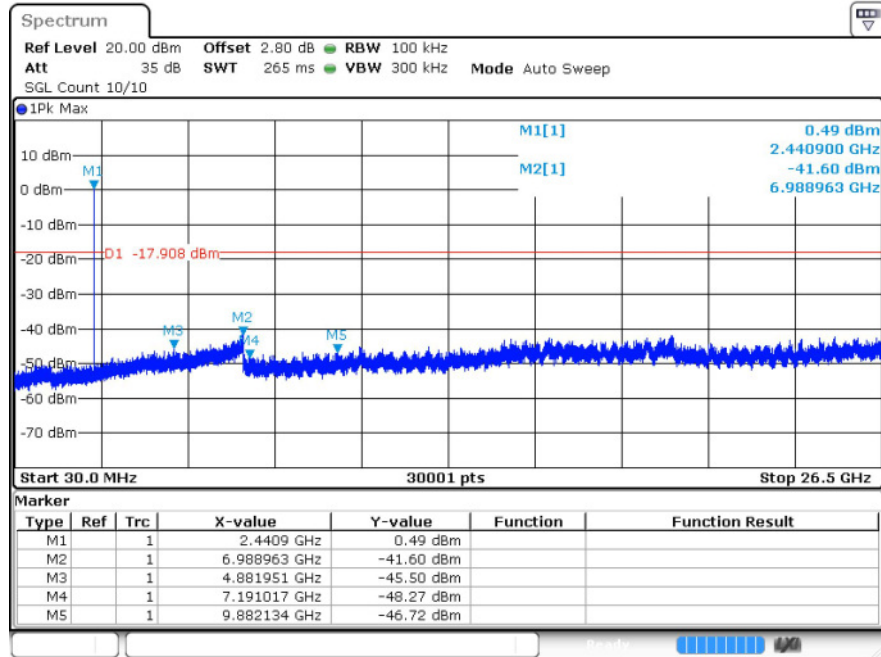


## 8DPSK\_MCH\_Graphs

Pref

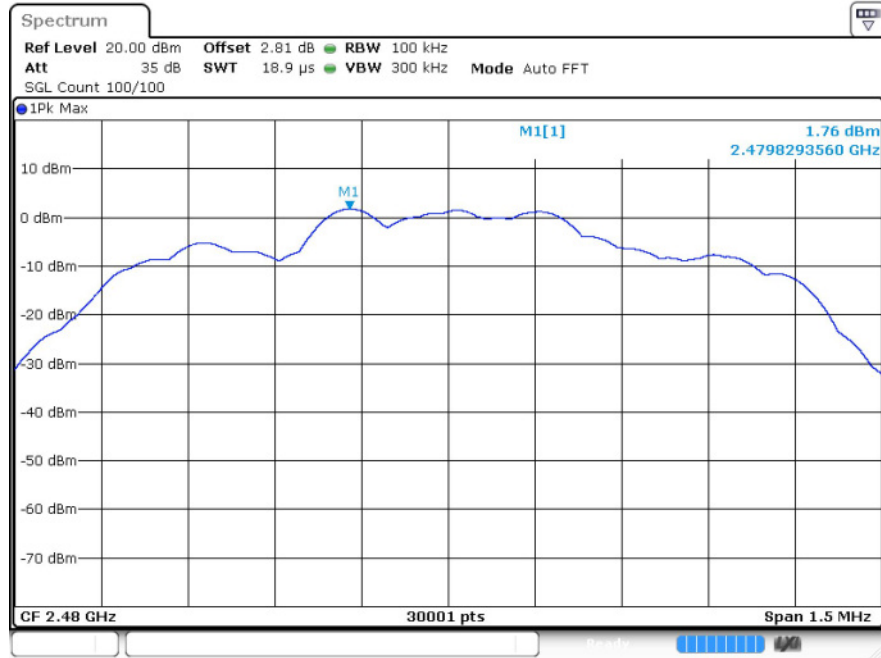


Puw

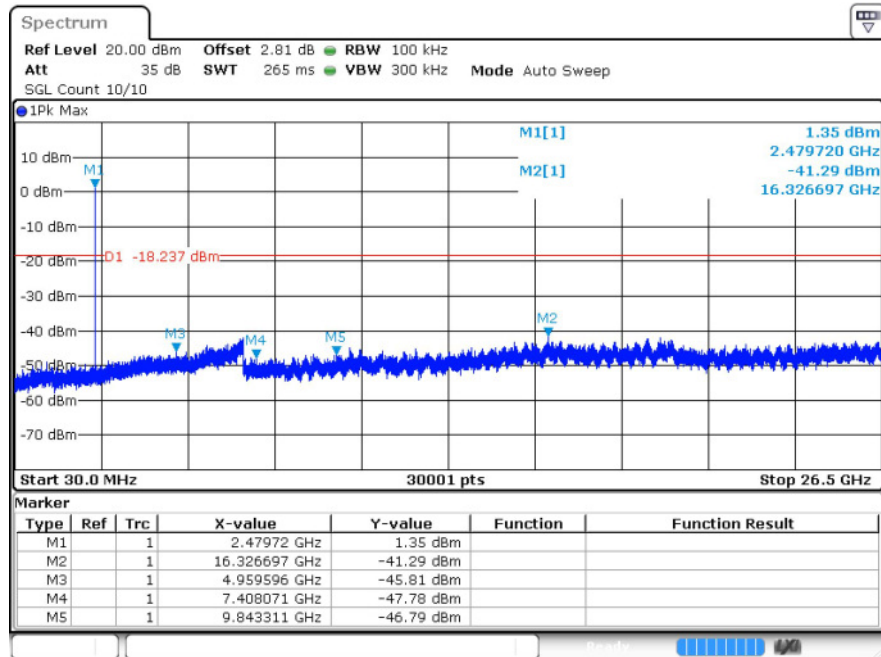


## 8DPSK\_HCH\_Graphs

Pref



Puw

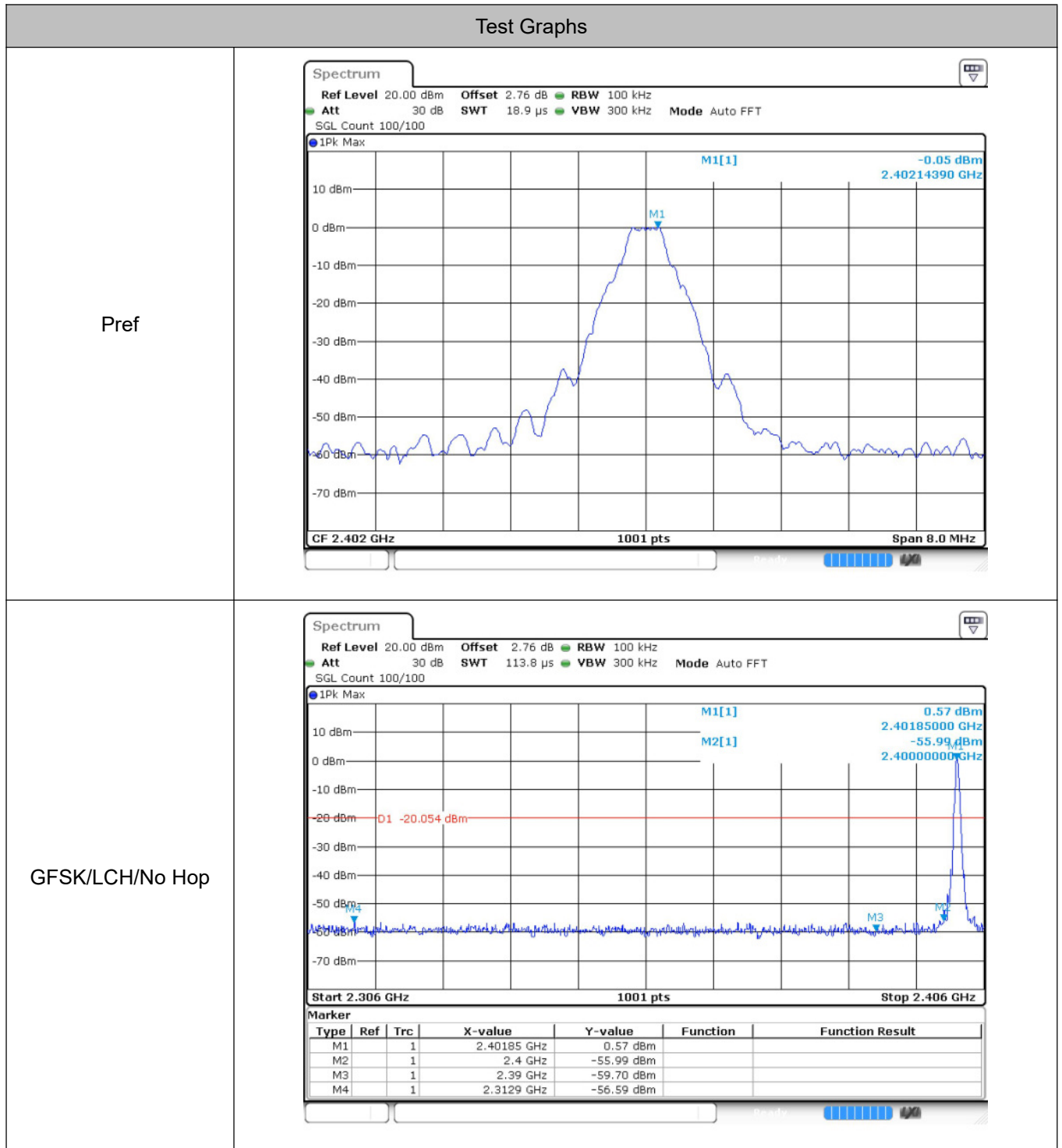


## 8 Band-edge for RF Conducted Emissions

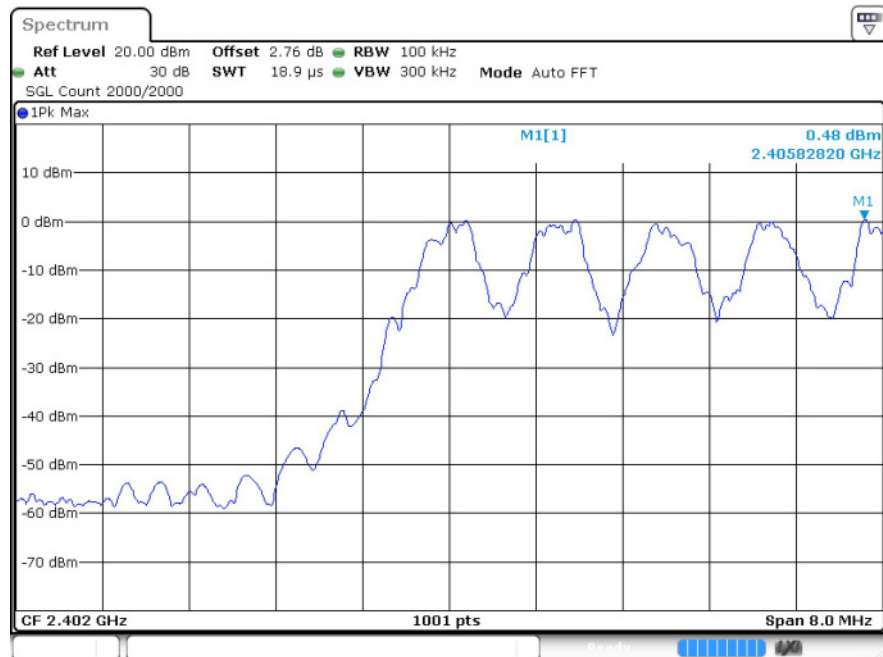
### 8.1 Test Result

| Mode          | Channel | Carrier Frequency [MHz] | Frequency Hopping | Max Spurious Level [dBc] | Limit [dBc] | Verdict |
|---------------|---------|-------------------------|-------------------|--------------------------|-------------|---------|
| GFSK          | LCH     | 2402                    | Off               | -56.54                   | -20         | Pass    |
|               |         |                         | On                | -55.77                   | -20         | Pass    |
|               | HCH     | 2480                    | Off               | -56.59                   | -20         | Pass    |
|               |         |                         | On                | -56.62                   | -20         | Pass    |
| $\pi/4$ DQPSK | LCH     | 2402                    | Off               | -55.34                   | -20         | Pass    |
|               |         |                         | On                | -54.62                   | -20         | Pass    |
|               | HCH     | 2480                    | Off               | -56.44                   | -20         | Pass    |
|               |         |                         | On                | -56.76                   | -20         | Pass    |
| 8DPSK         | LCH     | 2402                    | Off               | -56.25                   | -20         | Pass    |
|               |         |                         | On                | -54.57                   | -20         | Pass    |
|               | HCH     | 2480                    | Off               | -56.35                   | -20         | Pass    |
|               |         |                         | On                | -57.03                   | -20         | Pass    |

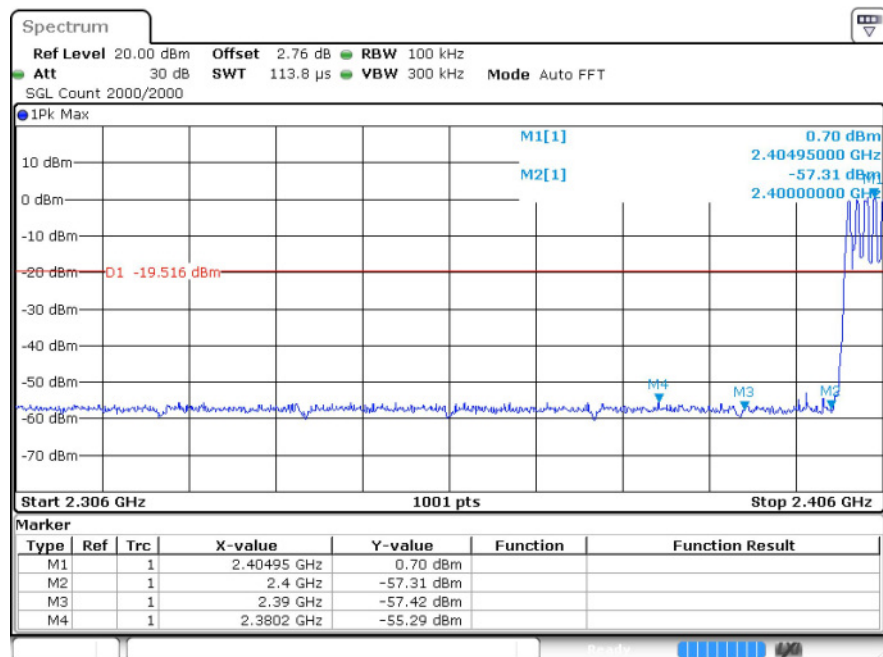
## 8.2 Test Graphs



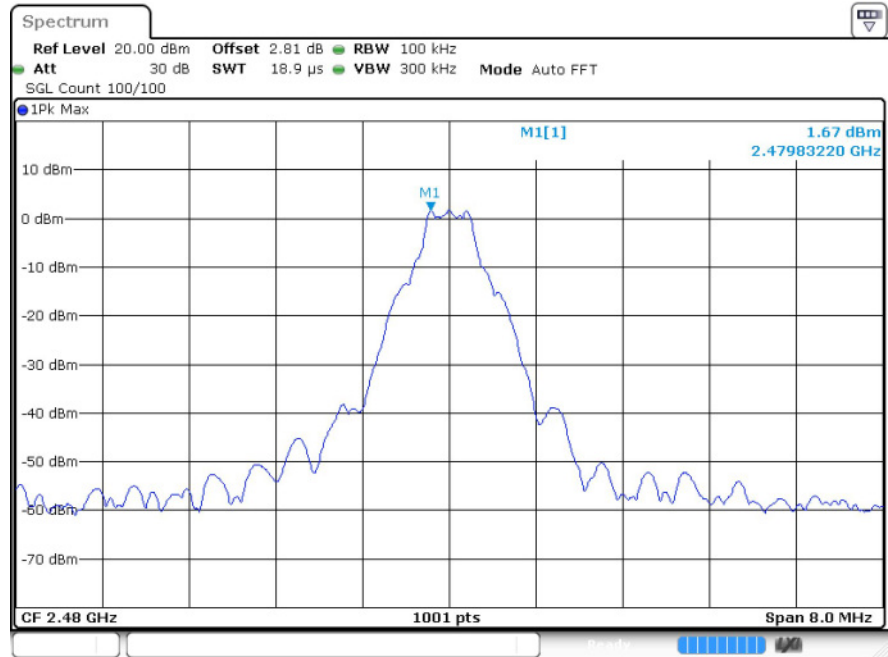
Ref



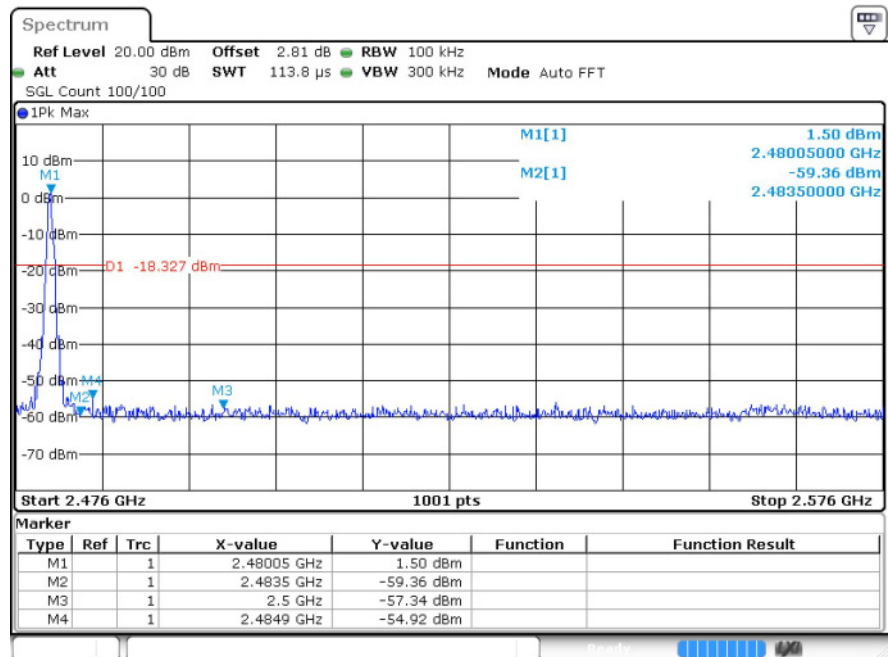
GFSK/LCH/Hop



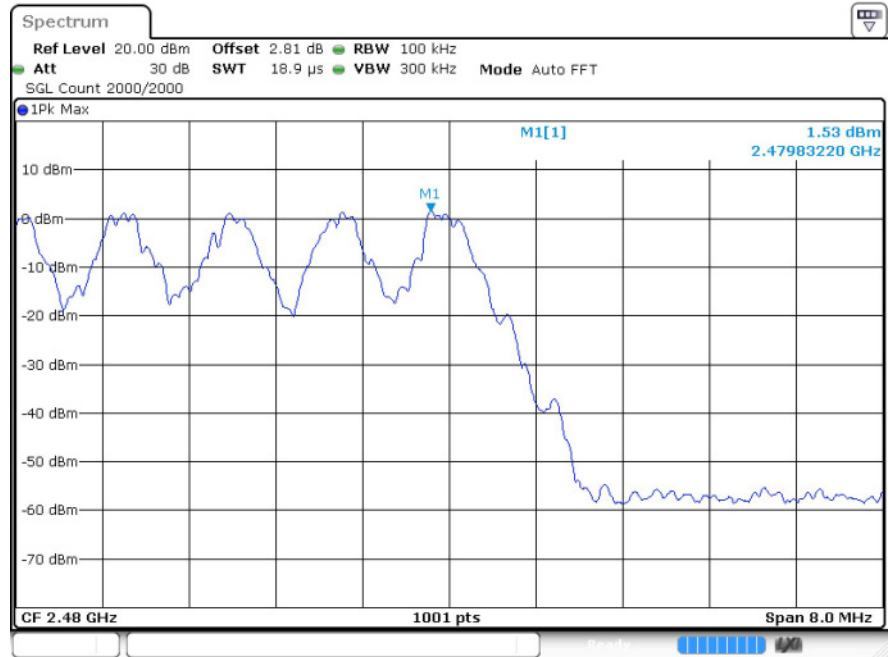
Ref



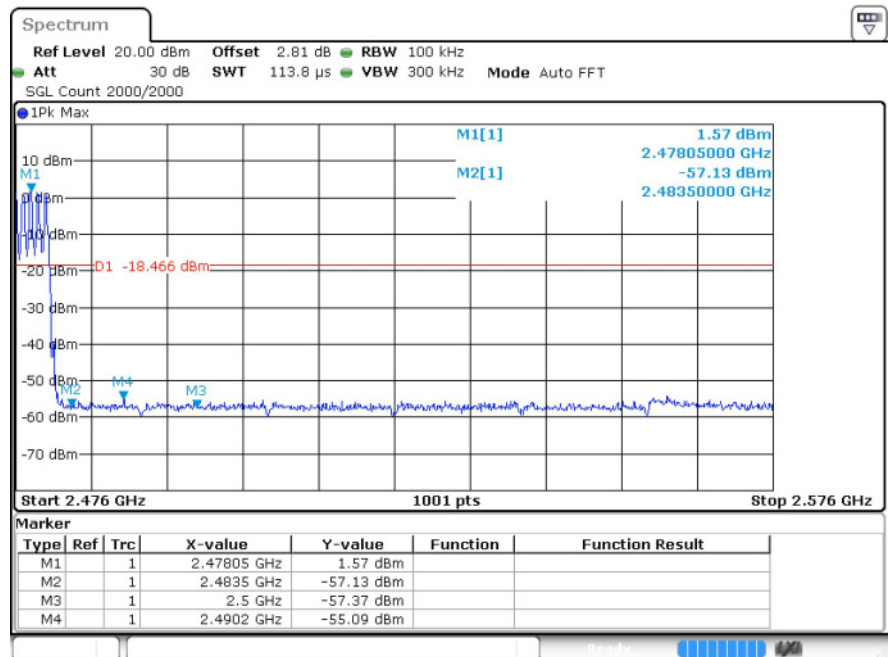
GFSK/HCH/No Hop



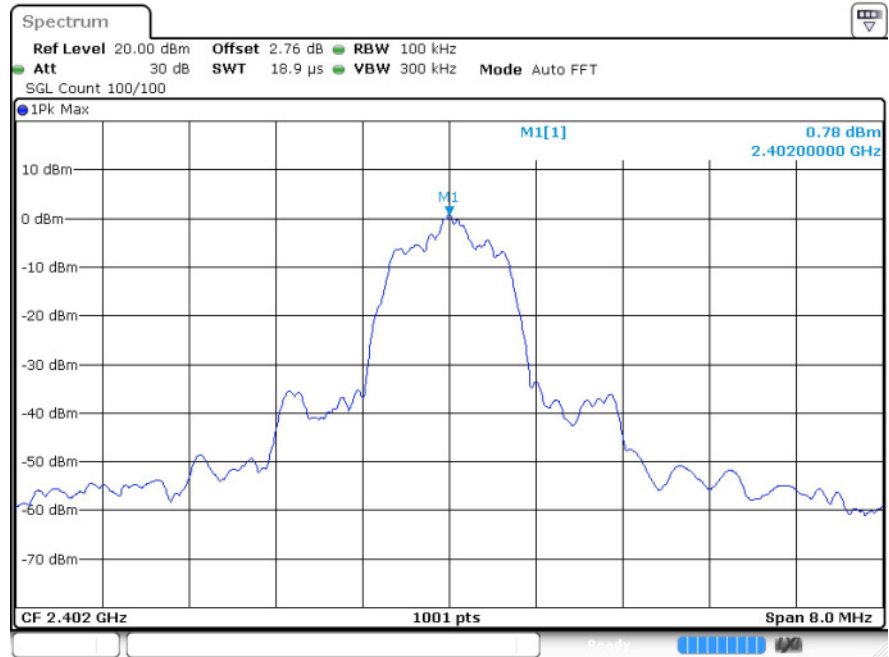
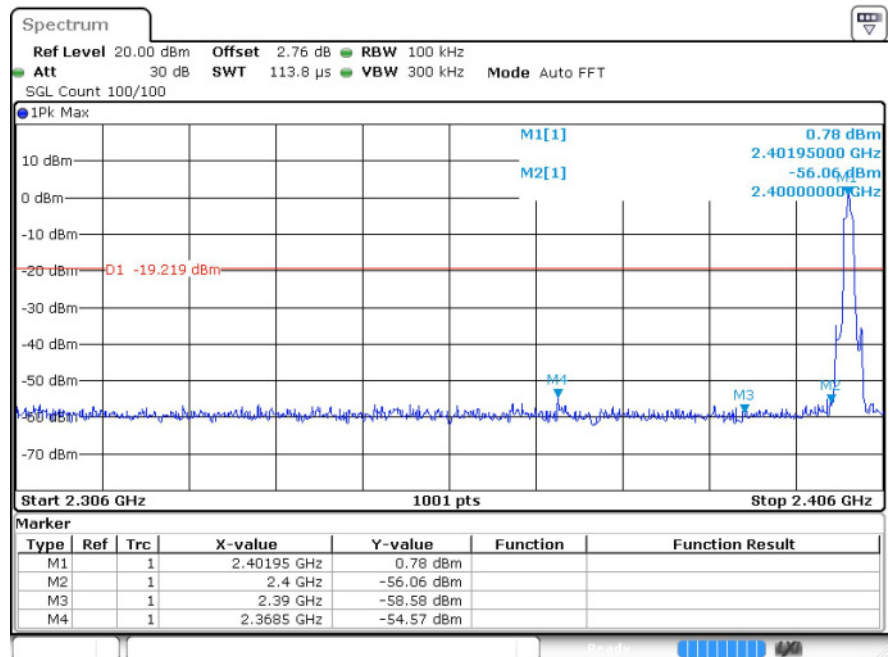
Ref.



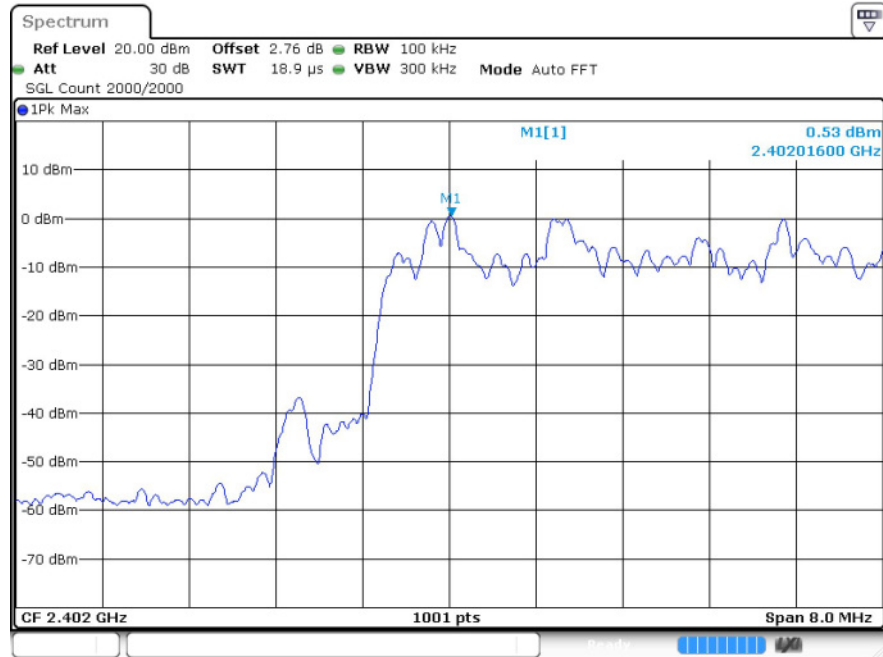
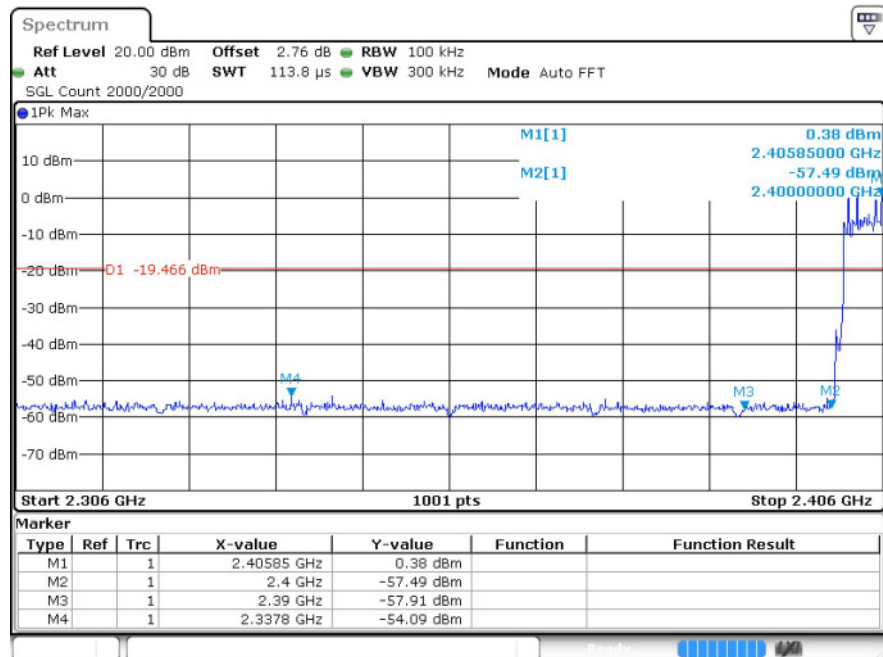
GFSK/HCH/Hop



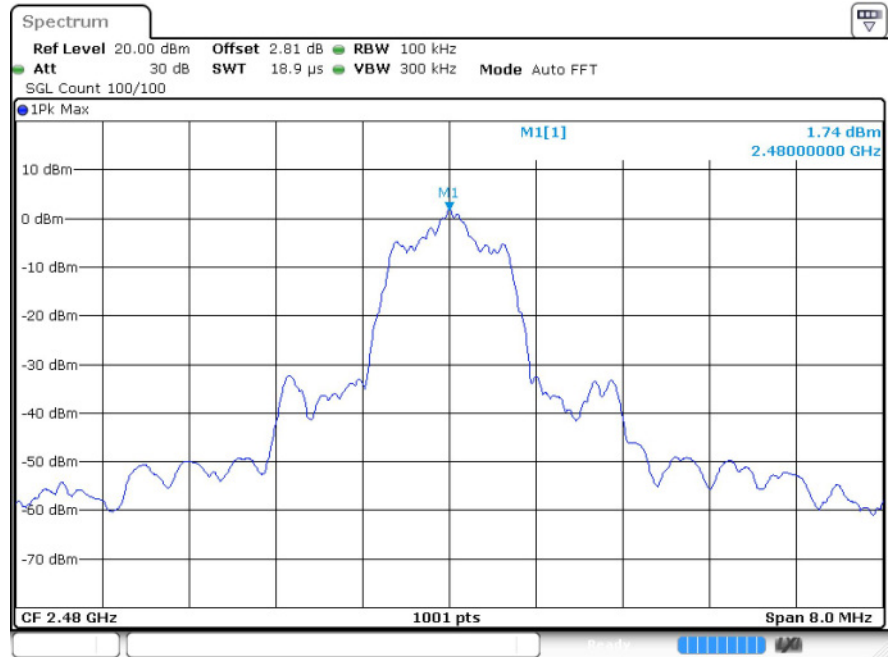
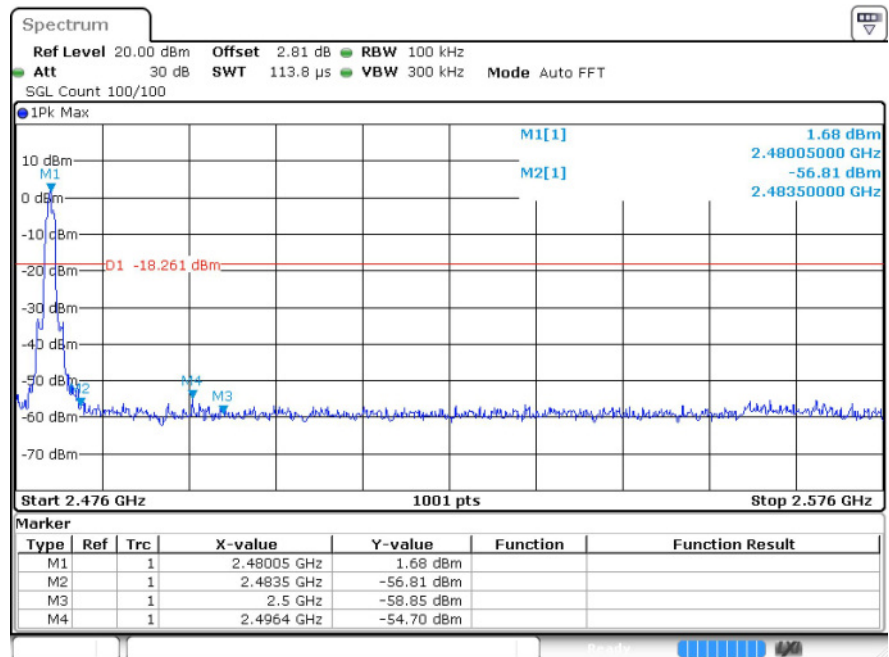
Ref


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


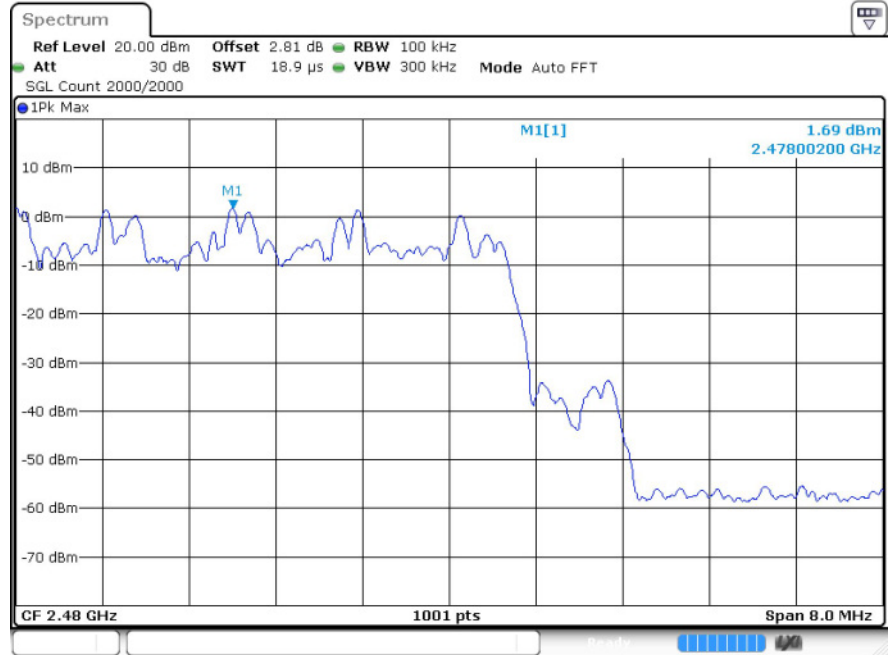
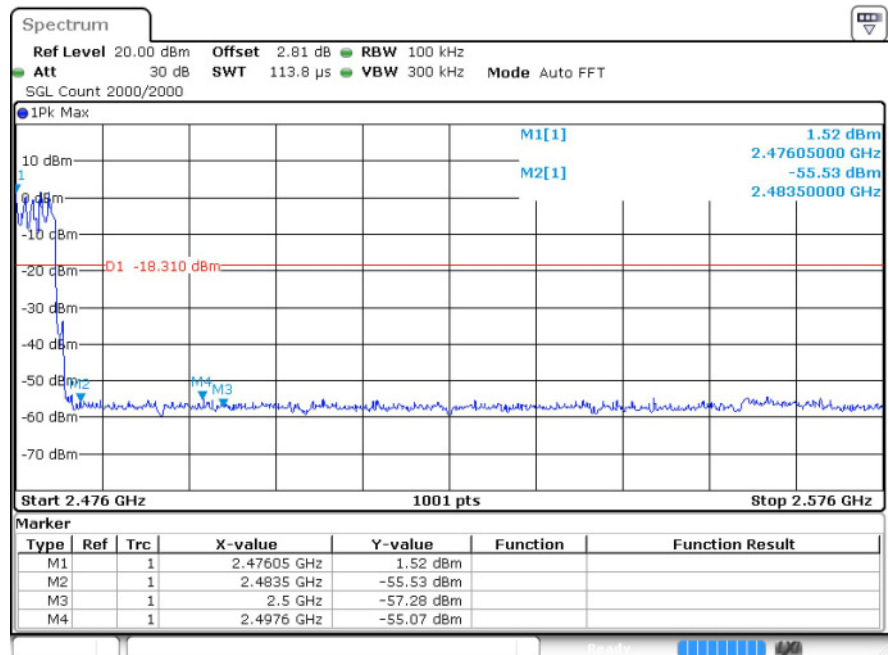
Ref


 $\pi/4$ DQPSK/LCH/Hop


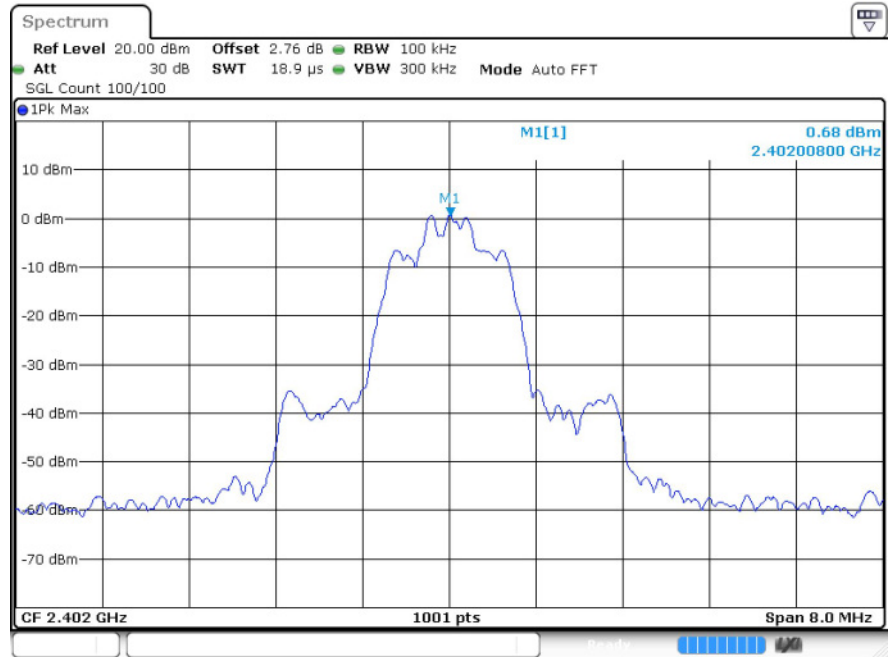
Ref


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


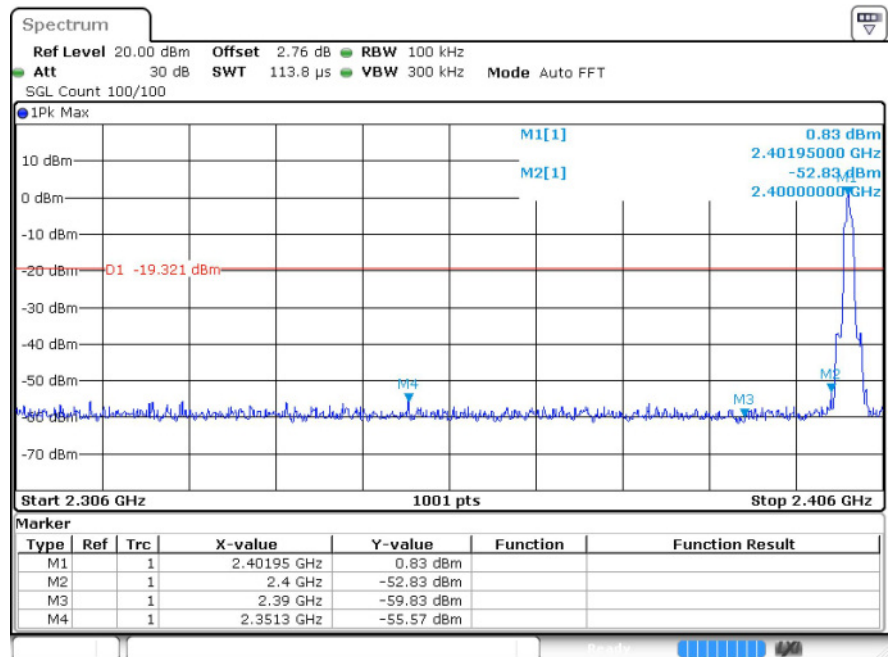
Ref


 $\pi/4$ DQPSK/HCH/Hop


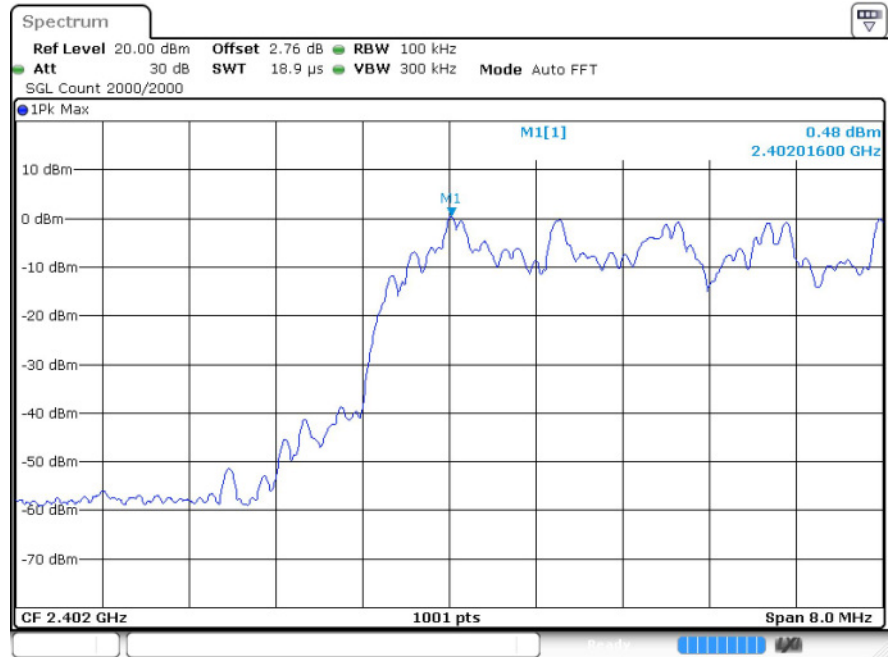
Ref



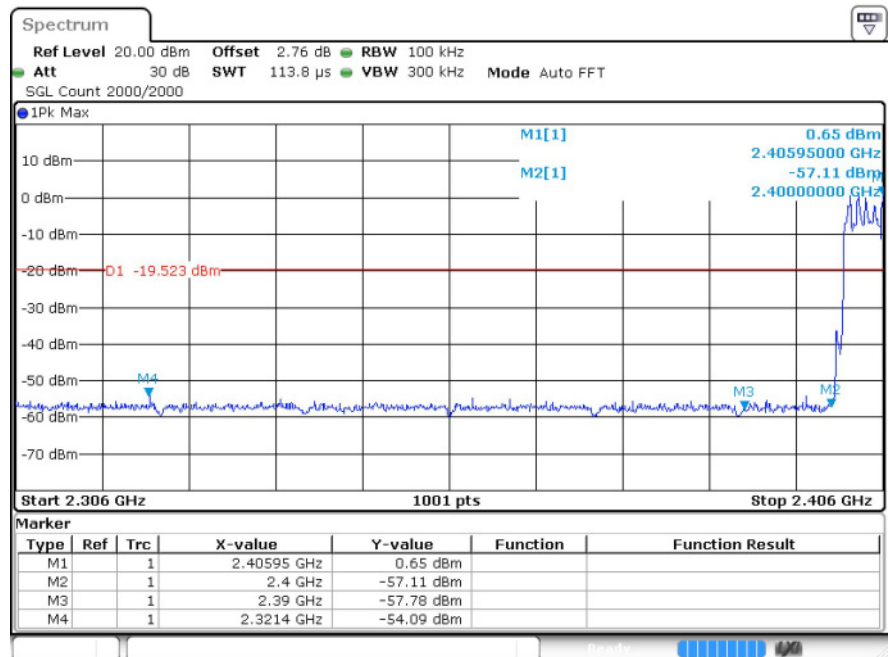
8DPSK/LCH/No Hop



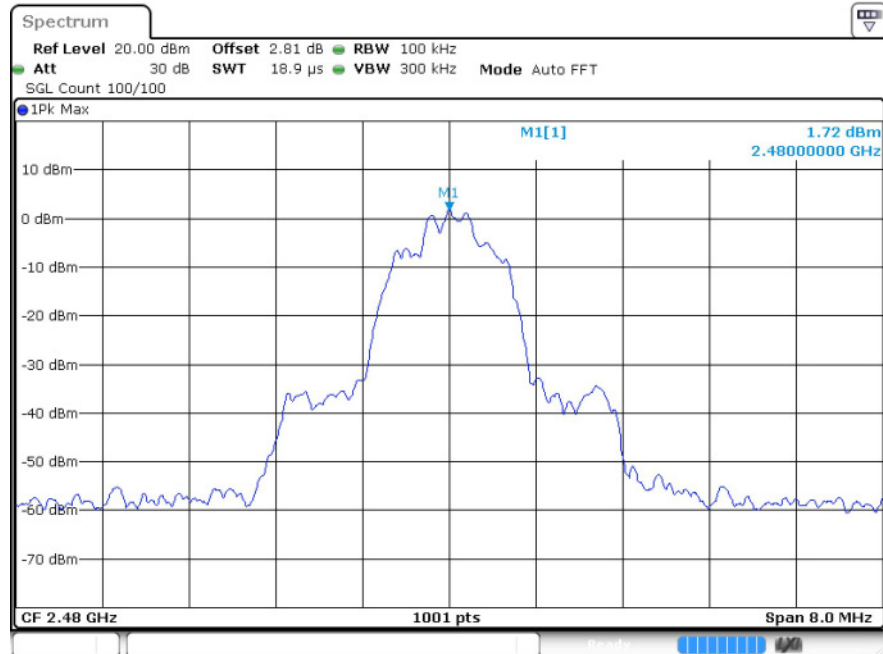
Ref



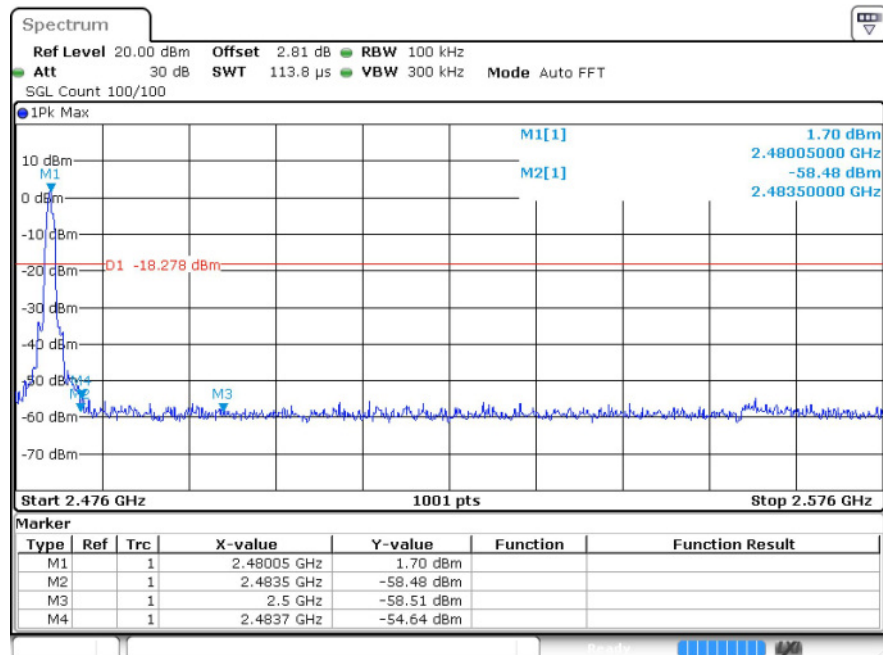
8DPSK/LCH/Hop



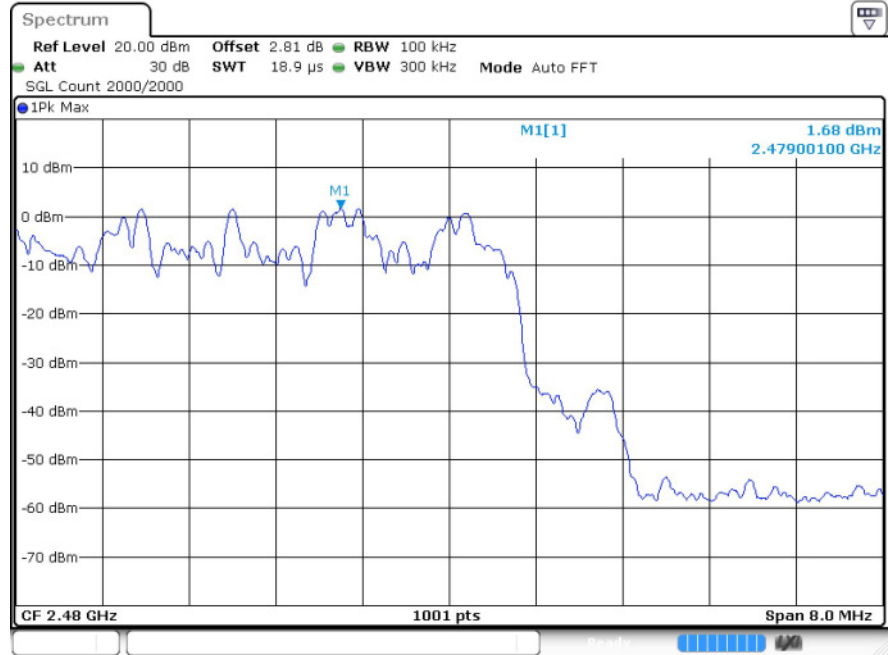
Ref



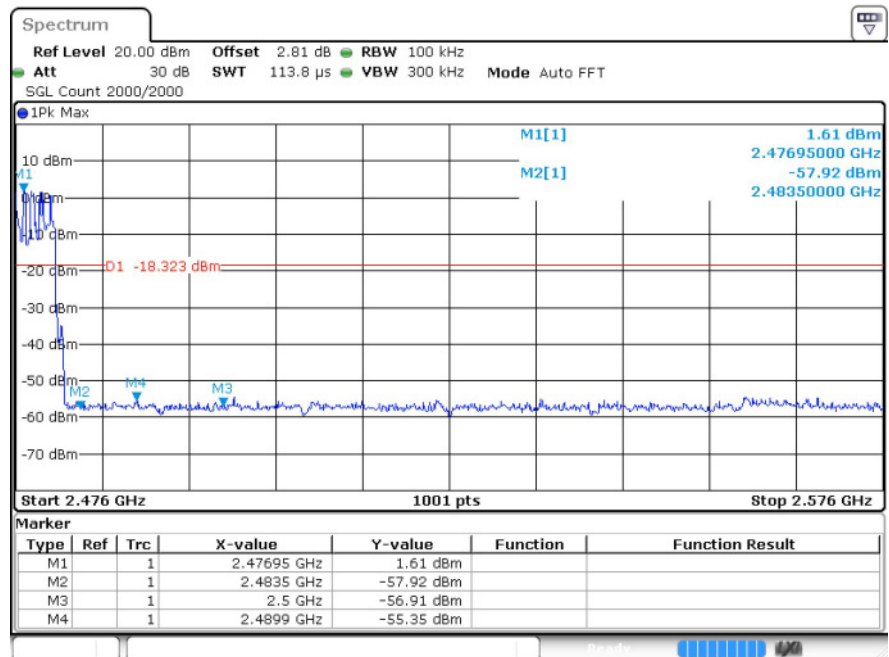
8DPSK/HCH/No Hop



Ref



8DPSK/HCH/Hop



## 9 Restrict-band band-edge measurements

### 9.1 Test Result

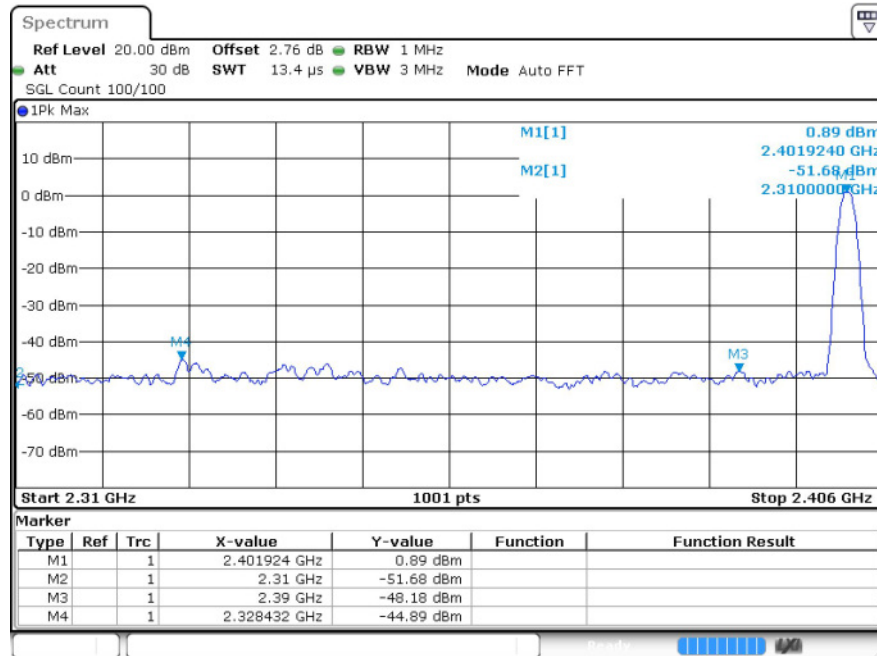
| Test Mode     | Hopping | Freq.    | Power [dBm] | Gain | Duty Factor | E [dBuV/m] | Detector | Limit [dBuV/m] | Verdict |
|---------------|---------|----------|-------------|------|-------------|------------|----------|----------------|---------|
| GFSK          | Off     | 2310.0   | -51.68      | 2.7  | -           | 46.28      | PEAK     | 74             | Pass    |
|               | Off     | 2310.0   | -56.49      | 2.7  | 4.84        | 46.31      | AV       | 54             | Pass    |
|               | Off     | 2328.432 | -44.88      | 2.7  | -           | 53.08      | PEAK     | 74             | Pass    |
|               | Off     | 2341.2   | -54.37      | 2.7  | 4.84        | 48.43      | AV       | 54             | Pass    |
|               | Off     | 2390.0   | -48.18      | 2.7  | -           | 49.78      | PEAK     | 74             | Pass    |
|               | Off     | 2390.0   | -57.43      | 2.7  | 4.84        | 45.37      | AV       | 54             | Pass    |
|               | Off     | 2483.5   | -48.93      | 2.7  | -           | 49.03      | PEAK     | 74             | Pass    |
|               | Off     | 2483.5   | -56.69      | 2.7  | 4.74        | 46.01      | AV       | 54             | Pass    |
|               | Off     | 2484.664 | -46.66      | 2.7  | -           | 51.3       | PEAK     | 74             | Pass    |
|               | Off     | 2486.584 | -55.12      | 2.7  | 4.74        | 47.58      | AV       | 54             | Pass    |
|               | Off     | 2500.0   | -48.41      | 2.7  | -           | 49.55      | PEAK     | 74             | Pass    |
|               | Off     | 2500.0   | -56.51      | 2.7  | 4.74        | 46.19      | AV       | 54             | Pass    |
| $\pi/4$ DQPSK | Off     | 2310.0   | -50.14      | 2.7  | -           | 47.82      | PEAK     | 74             | Pass    |
|               | Off     | 2310.0   | -57.54      | 2.7  | 4.63        | 45.05      | AV       | 54             | Pass    |
|               | Off     | 2350.224 | -45.69      | 2.7  | -           | 52.27      | PEAK     | 74             | Pass    |
|               | Off     | 2341.2   | -55.1       | 2.7  | 4.63        | 47.49      | AV       | 54             | Pass    |
|               | Off     | 2390.0   | -50.38      | 2.7  | -           | 47.58      | PEAK     | 74             | Pass    |
|               | Off     | 2390.0   | -56.84      | 2.7  | 4.63        | 45.75      | AV       | 54             | Pass    |
|               | Off     | 2483.5   | -49.29      | 2.7  | -           | 48.67      | PEAK     | 74             | Pass    |
|               | Off     | 2483.5   | -56         | 2.7  | 4.63        | 46.59      | AV       | 54             | Pass    |
|               | Off     | 2488.72  | -47.25      | 2.7  | -           | 50.71      | PEAK     | 74             | Pass    |
|               | Off     | 2485.192 | -55.43      | 2.7  | 4.63        | 47.16      | AV       | 54             | Pass    |
|               | Off     | 2500.0   | -49.83      | 2.7  | -           | 48.13      | PEAK     | 74             | Pass    |
|               | Off     | 2500.0   | -57.03      | 2.7  | 4.63        | 45.56      | AV       | 54             | Pass    |
| 8DPSK         | Off     | 2310.0   | -48.1       | 2.7  | -           | 49.86      | PEAK     | 74             | Pass    |
|               | Off     | 2310.0   | -56.65      | 2.7  | 4.63        | 45.94      | AV       | 54             | Pass    |
|               | Off     | 2339.472 | -45.23      | 2.7  | -           | 52.73      | PEAK     | 74             | Pass    |
|               | Off     | 2338.8   | -54.92      | 2.7  | 4.63        | 47.67      | AV       | 54             | Pass    |



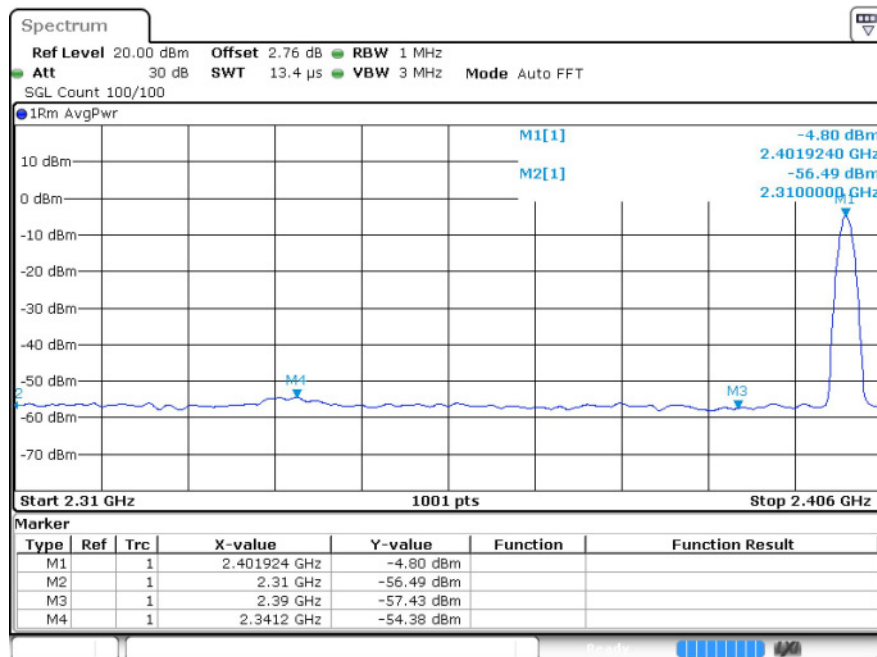
|     |          |        |     |      |       |      |    |      |
|-----|----------|--------|-----|------|-------|------|----|------|
| Off | 2390.0   | -49.79 | 2.7 | -    | 48.17 | PEAK | 74 | Pass |
| Off | 2390.0   | -56.63 | 2.7 | 4.63 | 45.96 | AV   | 54 | Pass |
| Off | 2483.5   | -48.31 | 2.7 | -    | 49.65 | PEAK | 74 | Pass |
| Off | 2483.5   | -56.4  | 2.7 | 4.63 | 46.19 | AV   | 54 | Pass |
| Off | 2484.736 | -44.58 | 2.7 | -    | 53.38 | PEAK | 74 | Pass |
| Off | 2499.568 | -55.9  | 2.7 | 4.63 | 46.69 | AV   | 54 | Pass |
| Off | 2500.0   | -51.31 | 2.7 | -    | 46.65 | PEAK | 74 | Pass |
| Off | 2500.0   | -56.16 | 2.7 | 4.63 | 46.43 | AV   | 54 | Pass |

## 9.2 Test Graphs

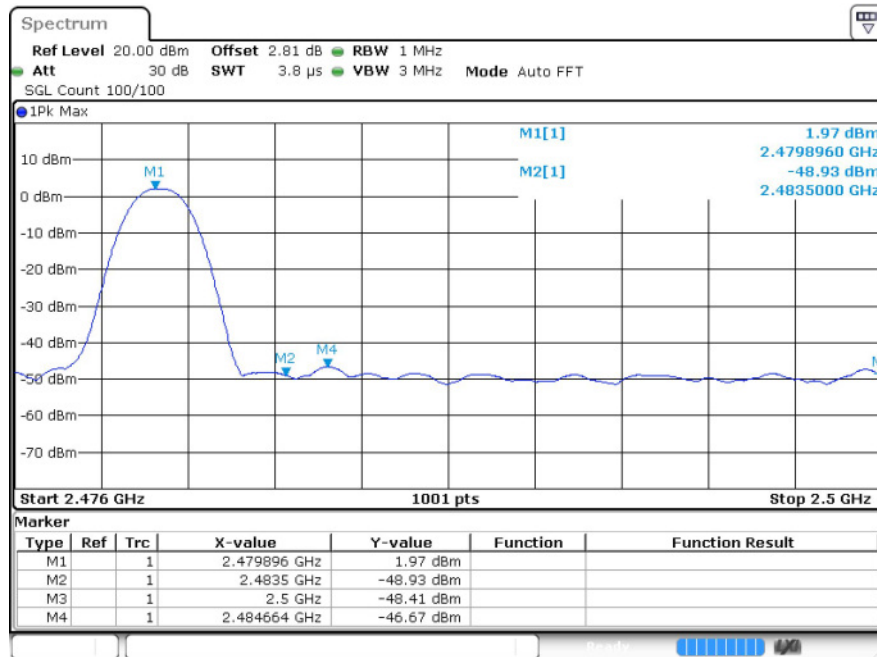
Restrict-band band-edge measurements\_Hopping Off\_ GFSK\_PEAK (Low Channel)



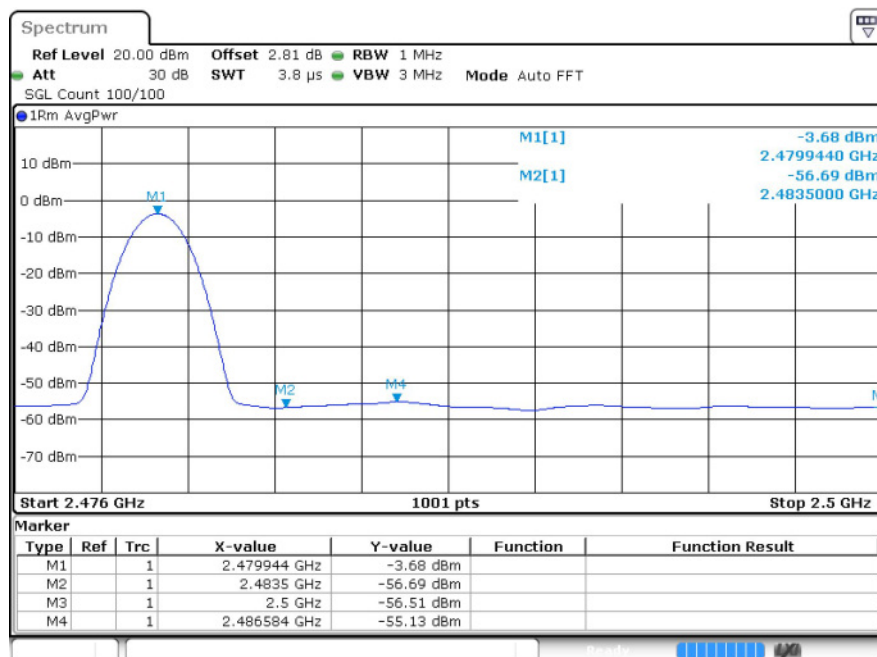
Restrict-band band-edge measurements\_Hopping Off\_ GFSK\_Average (Low Channel)



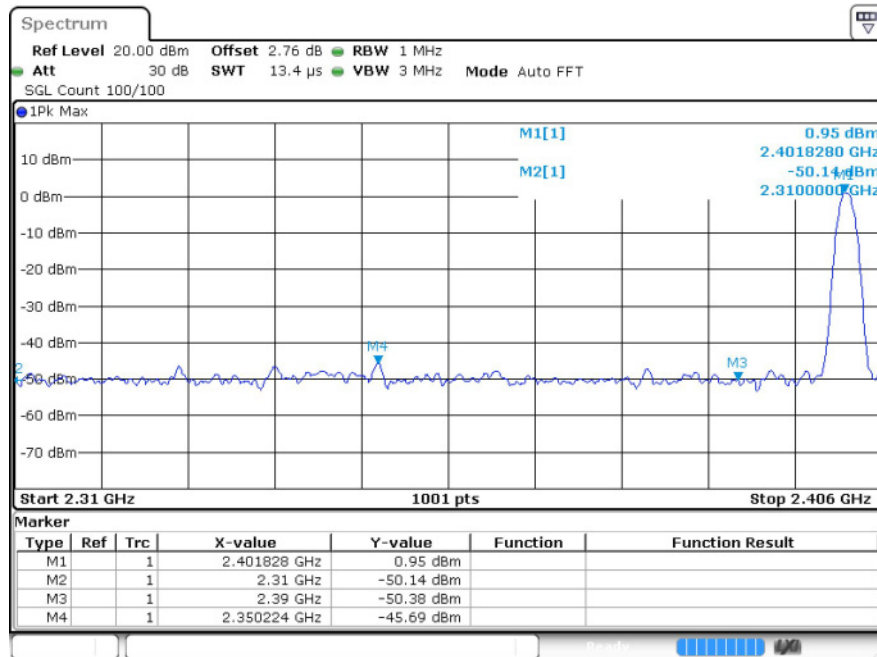
## Restrict-band band-edge measurements\_Hopping Off\_ GFSK\_PEAK (High Channel)



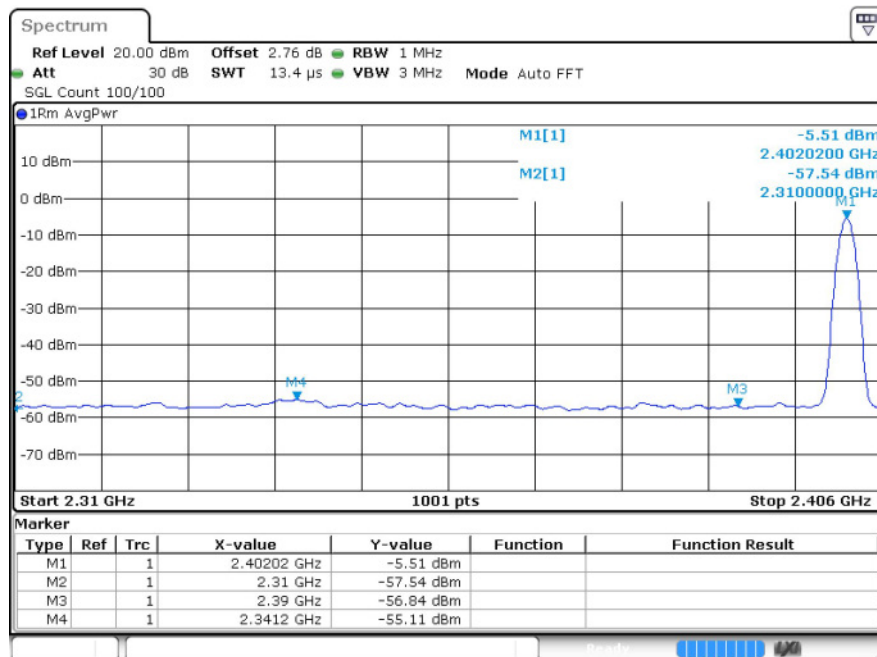
## Restrict-band band-edge measurements\_Hopping Off\_ GFSK\_Average (High Channel)



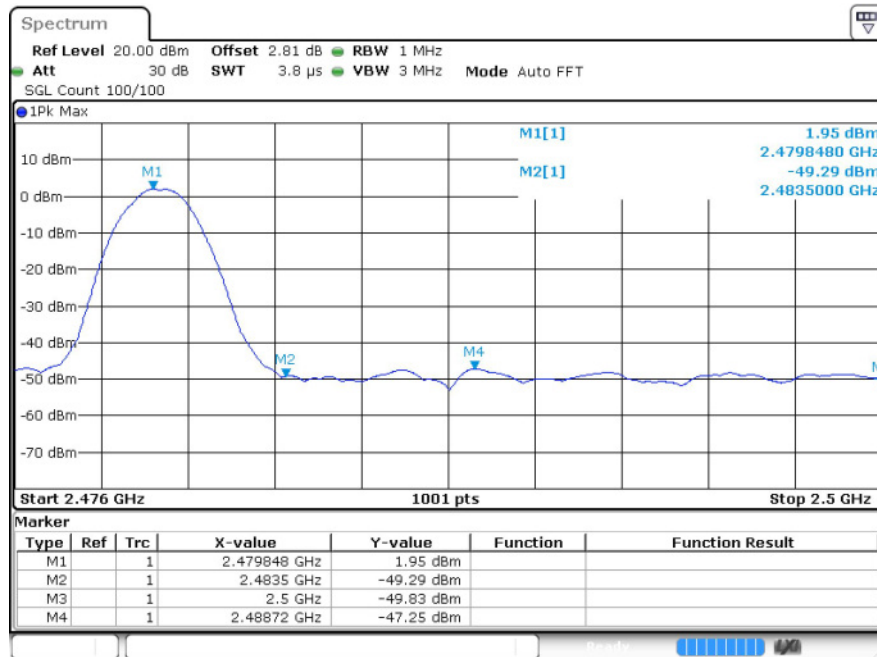
## Restrict-band band-edge measurements\_Hopping Off\_π/4-DQPSK\_PEAK (Low Channel)



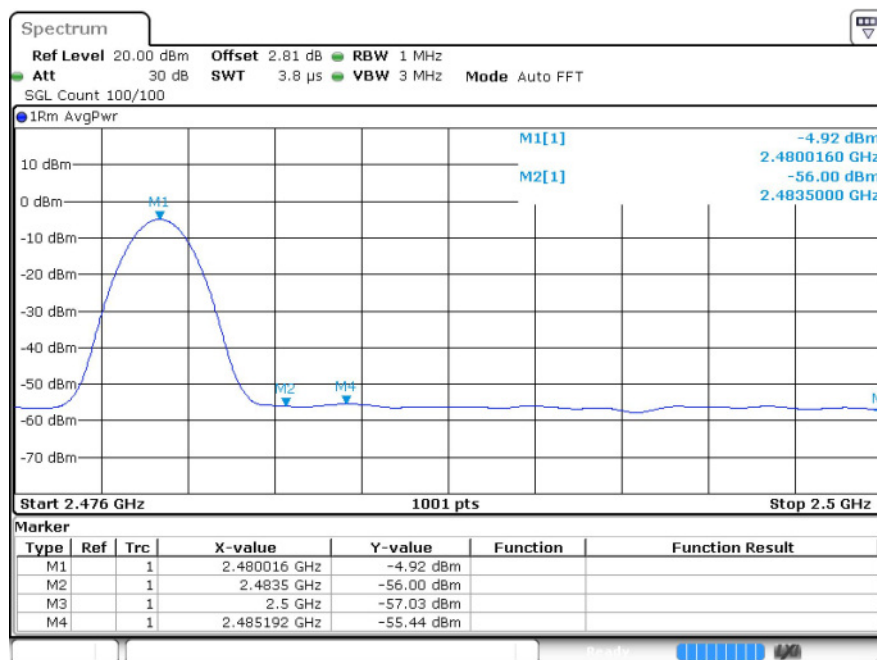
## Restrict-band band-edge measurements\_Hopping Off\_π/4-DQPSK\_Average (Low Channel)



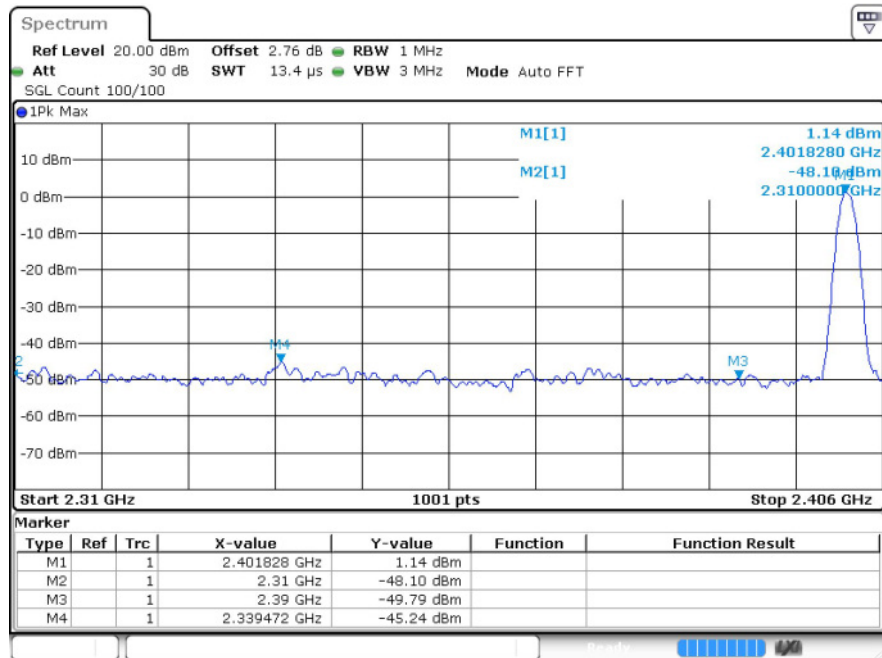
## Restrict-band band-edge measurements\_Hopping Off\_π/4-DQPSK\_PEAK (High Channel)



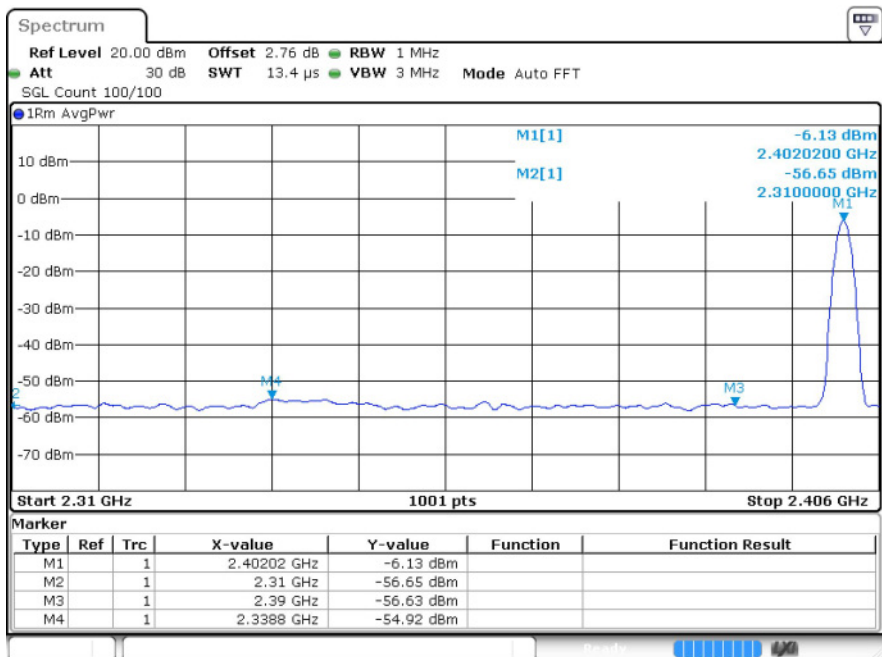
## Restrict-band band-edge measurements\_Hopping Off\_π/4-DQPSK\_Average (High Channel)



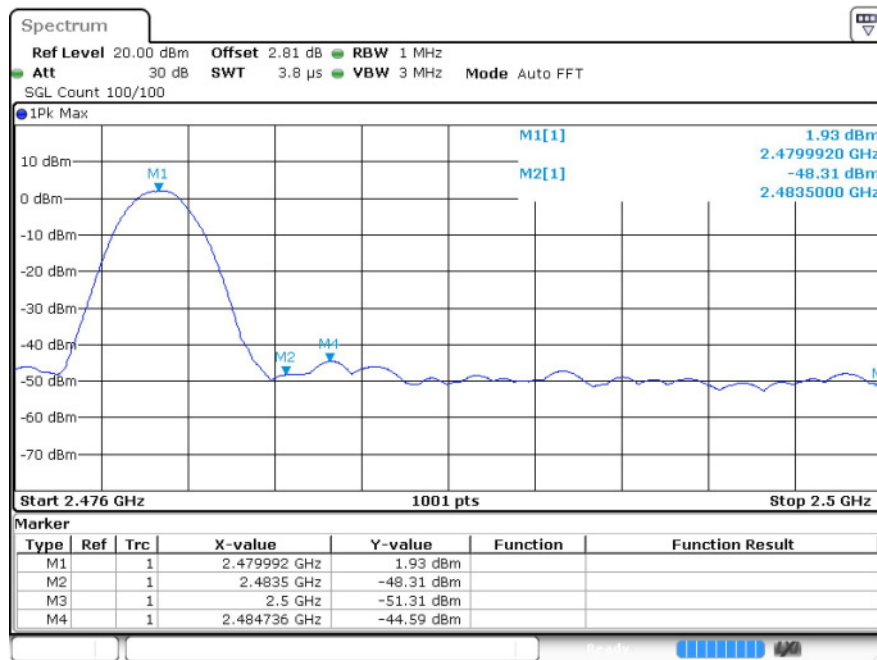
## Restrict-band band-edge measurements\_Hopping Off\_8DPSK\_PEAK (Low Channel)



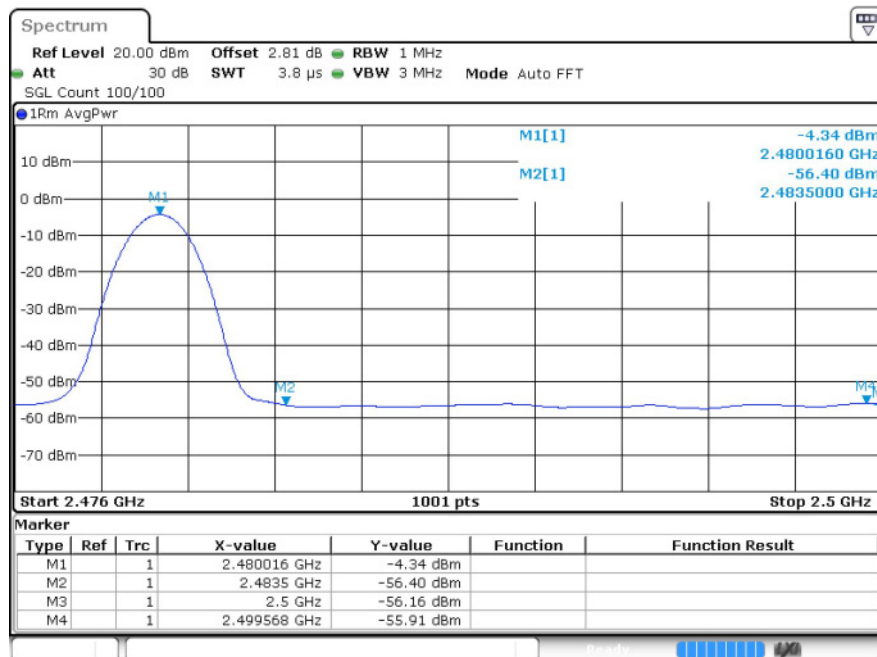
## Restrict-band band-edge measurements\_Hopping Off\_8DPSK\_Average (Low Channel)



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



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



---The End---