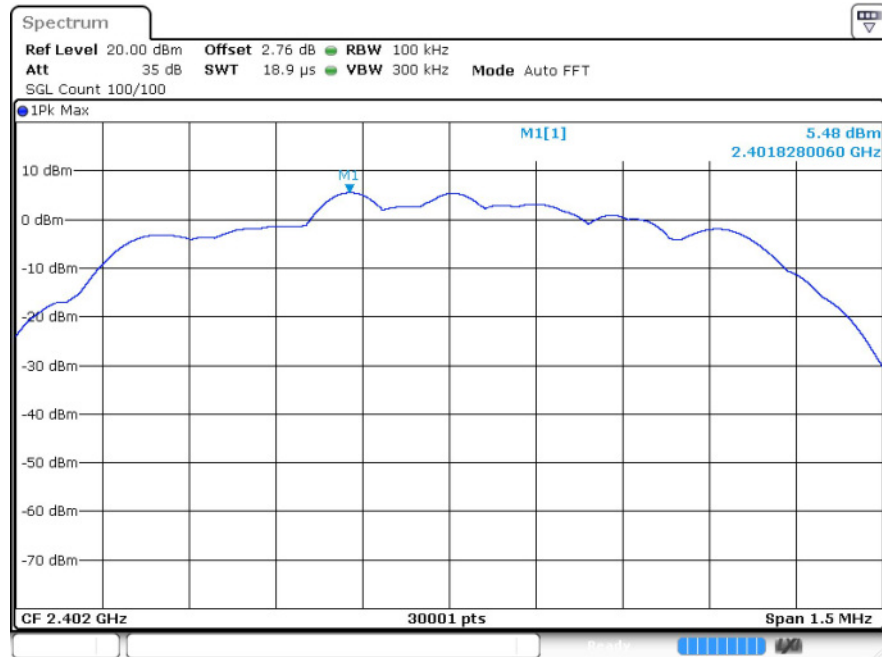
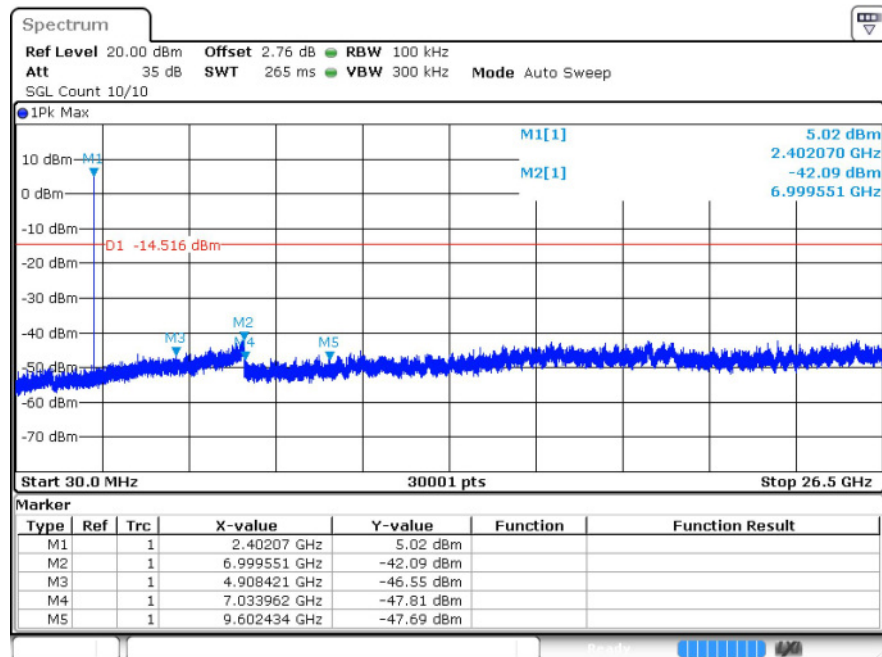


## 8DPSK\_LCH\_Graphs

Pref

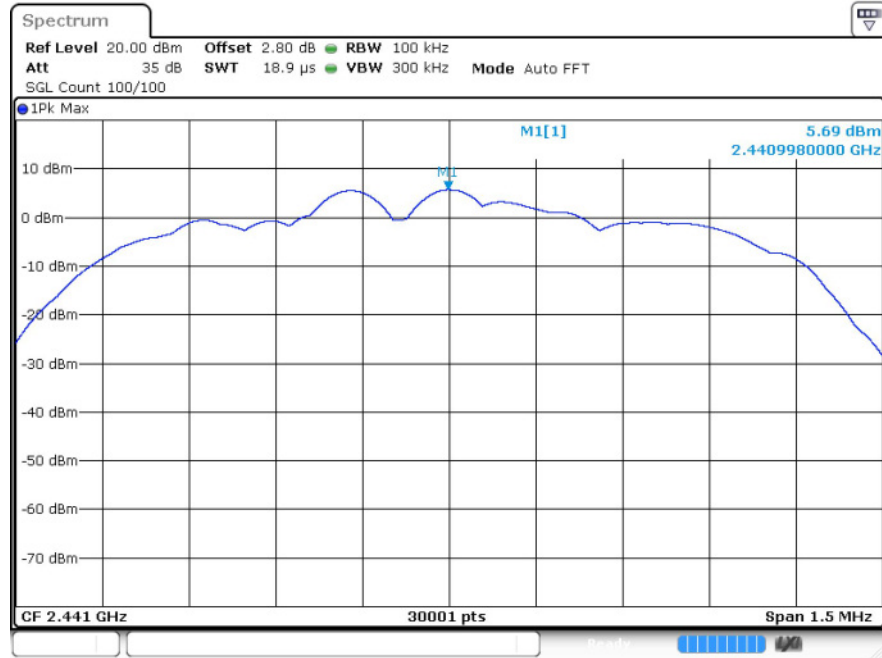


Puw

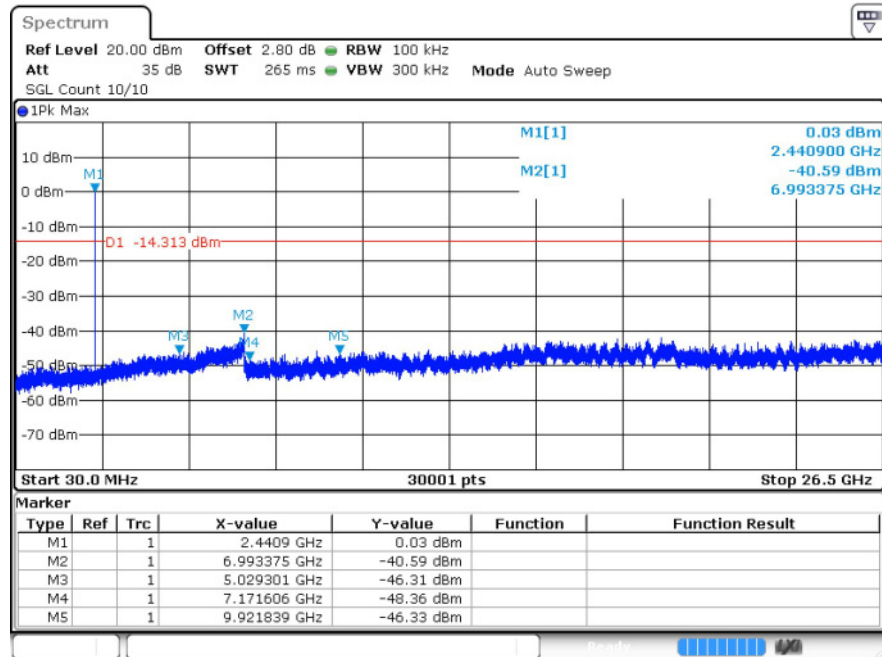


## 8DPSK\_MCH\_Graphs

Pref

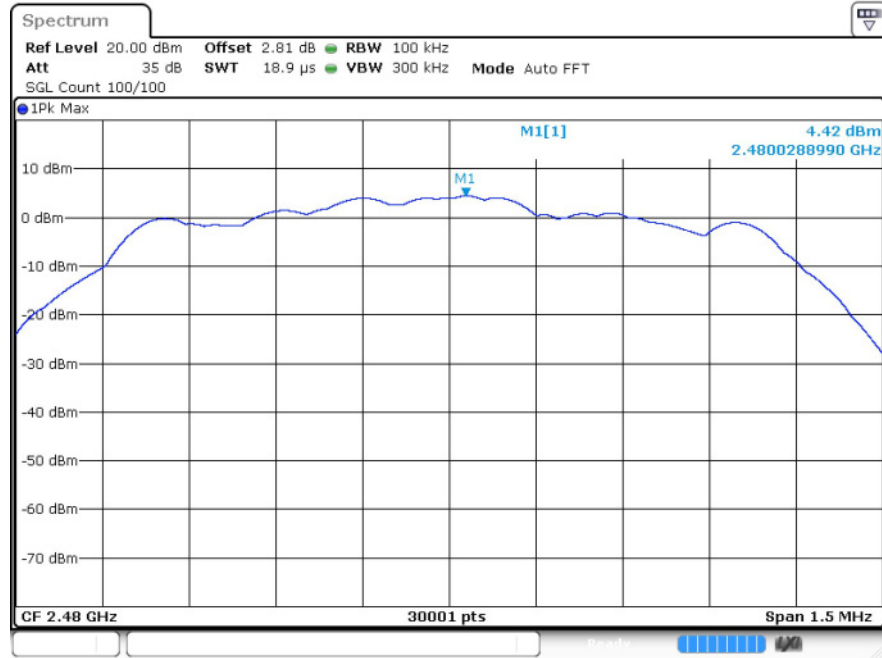


Puw

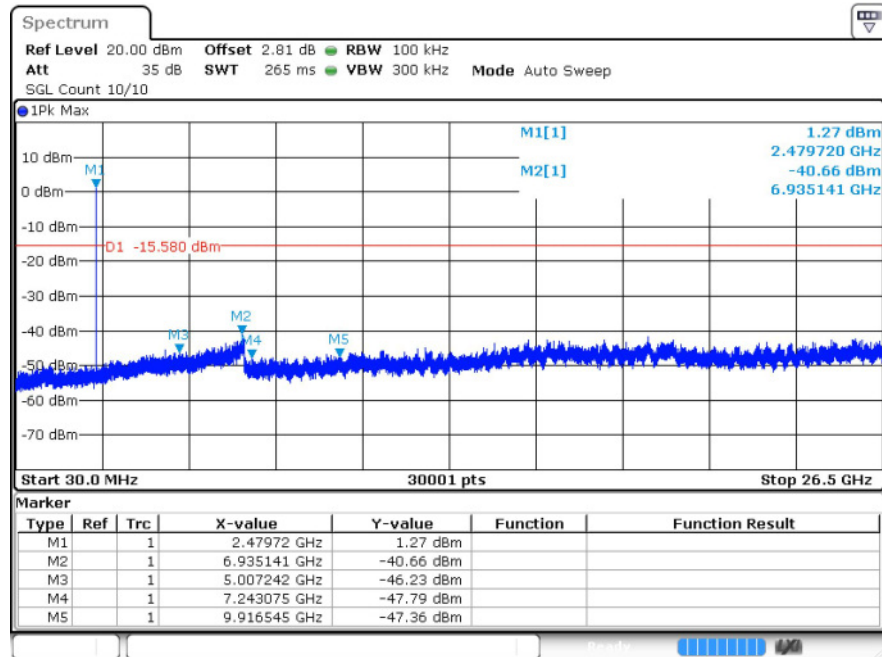


## 8DPSK\_HCH\_Graphs

Pref



Puw

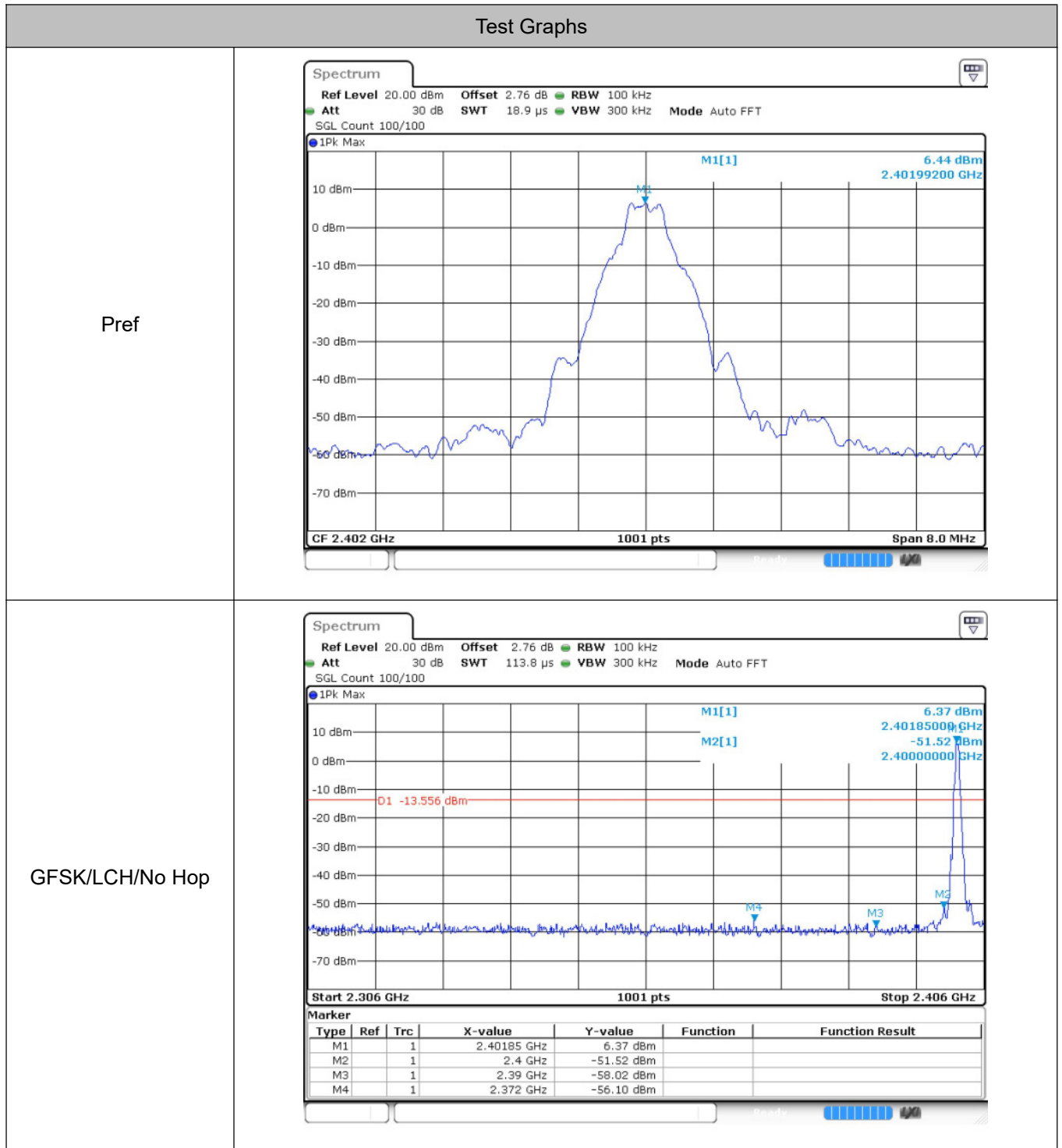


## 8 Band-edge for RF Conducted Emissions

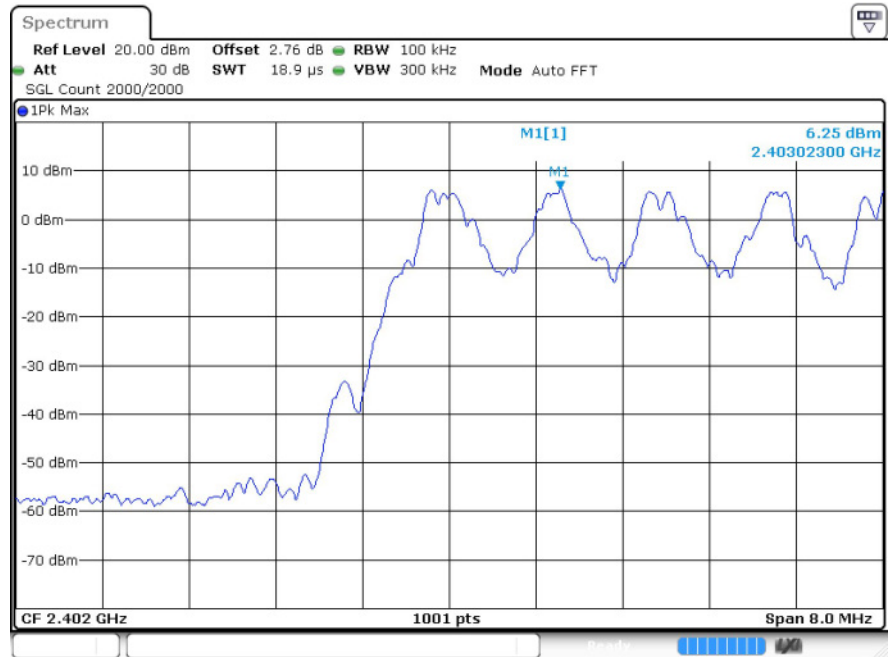
### 8.1 Test Result

| Mode          | Channel | Carrier Frequency [MHz] | Frequency Hopping | Max Spurious Level [dBc] | Limit [dBc] | Verdict |
|---------------|---------|-------------------------|-------------------|--------------------------|-------------|---------|
| GFSK          | LCH     | 2402                    | Off               | -62.54                   | -20         | Pass    |
|               |         |                         | On                | -60.42                   | -20         | Pass    |
|               | HCH     | 2480                    | Off               | -60.71                   | -20         | Pass    |
|               |         |                         | On                | -62.2                    | -20         | Pass    |
| $\pi/4$ DQPSK | LCH     | 2402                    | Off               | -61.24                   | -20         | Pass    |
|               |         |                         | On                | -60.72                   | -20         | Pass    |
|               | HCH     | 2480                    | Off               | -61.65                   | -20         | Pass    |
|               |         |                         | On                | -61.13                   | -20         | Pass    |
| 8DPSK         | LCH     | 2402                    | Off               | -61.34                   | -20         | Pass    |
|               |         |                         | On                | -60.05                   | -20         | Pass    |
|               | HCH     | 2480                    | Off               | -61.23                   | -20         | Pass    |
|               |         |                         | On                | -59                      | -20         | Pass    |

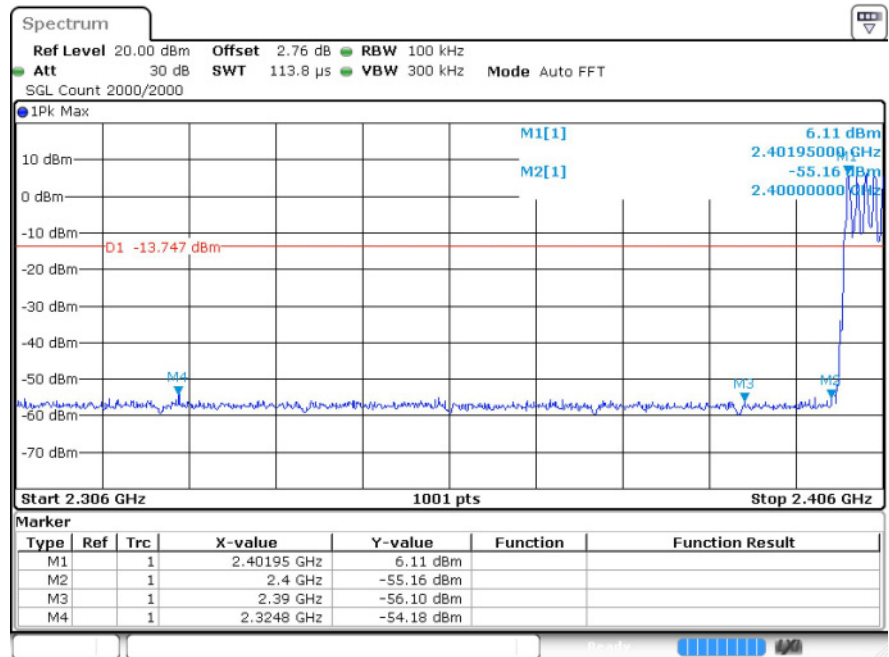
## 8.2 Test Graphs



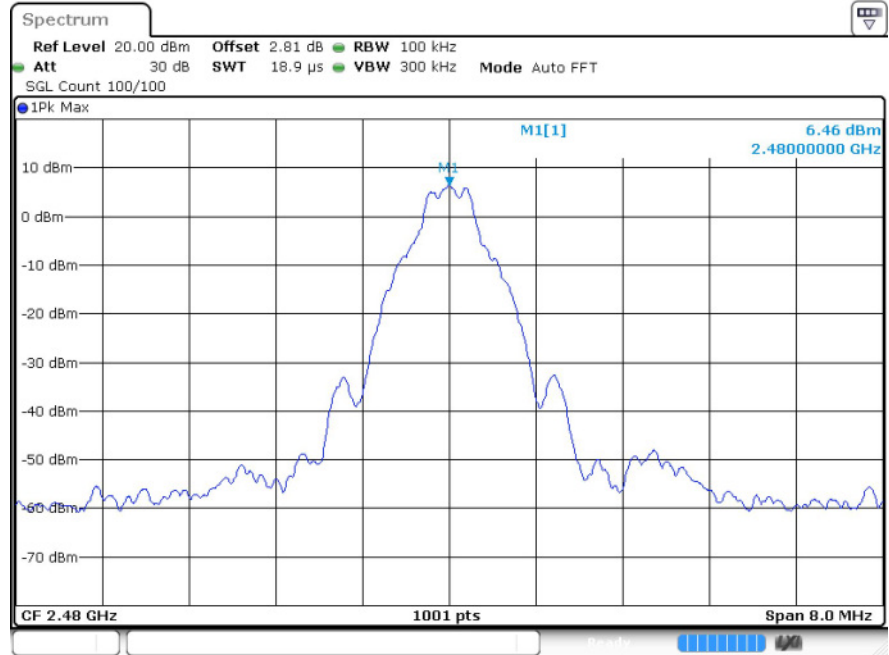
Ref



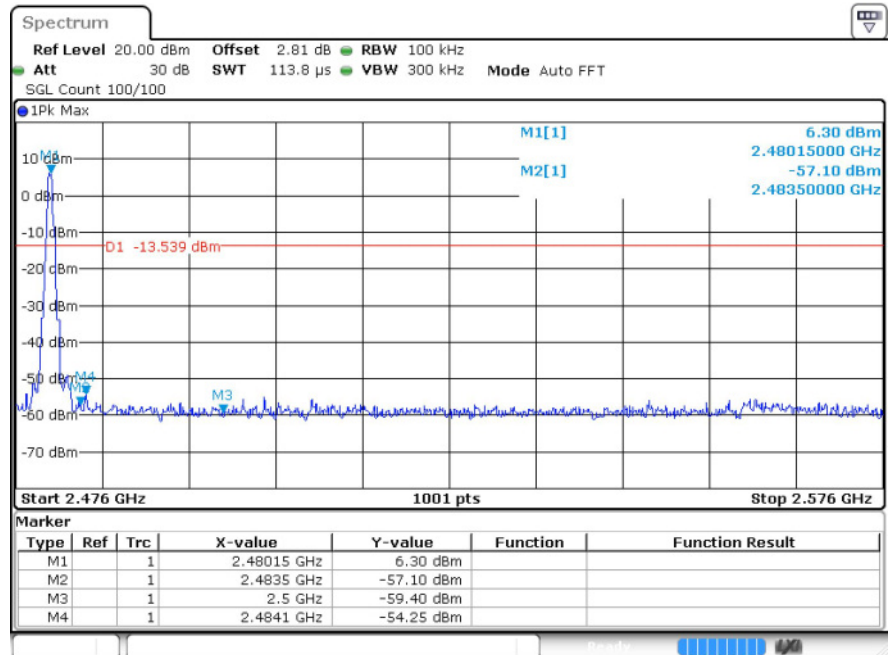
GFSK/LCH/Hop



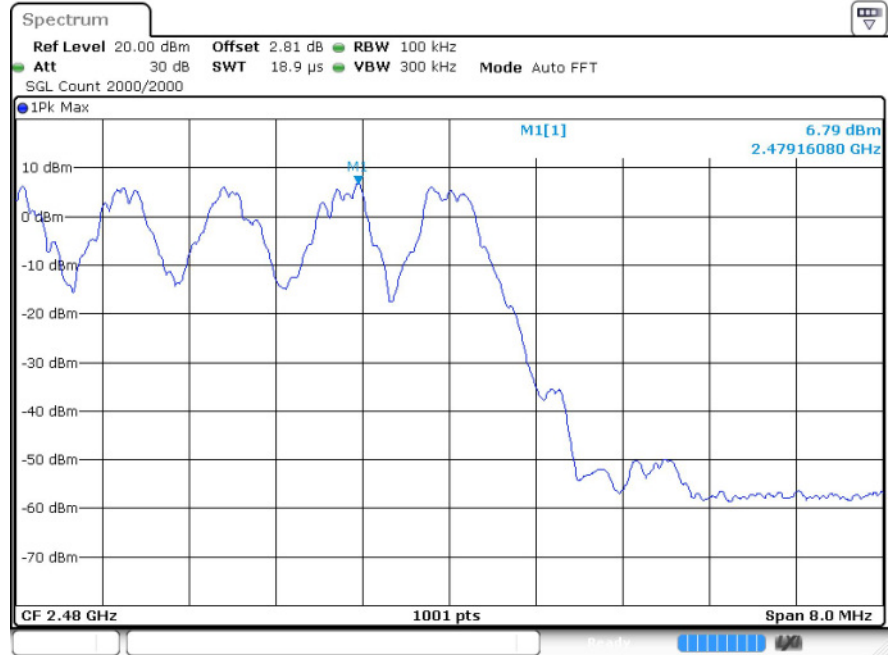
Ref



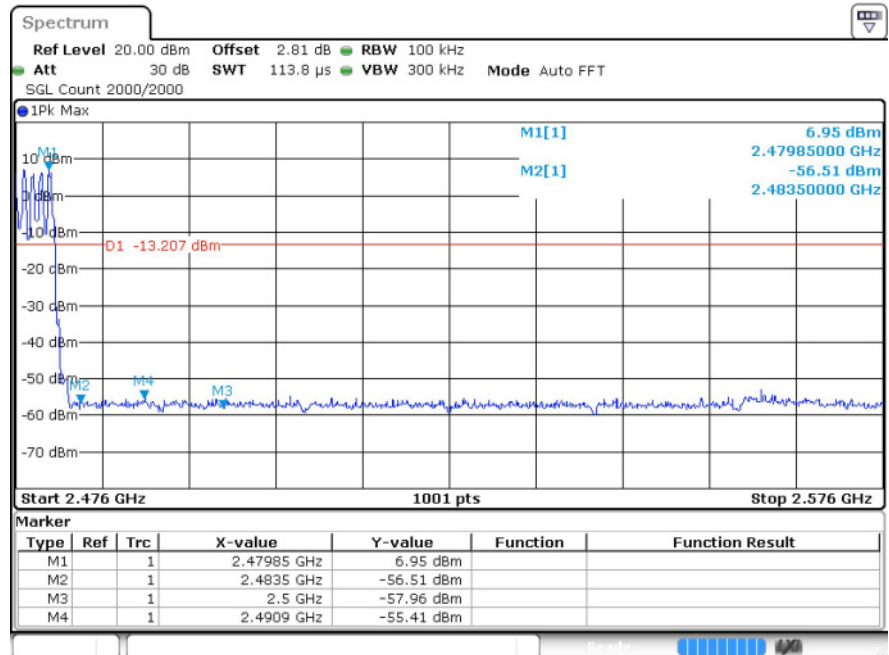
GFSK/HCH/No Hop



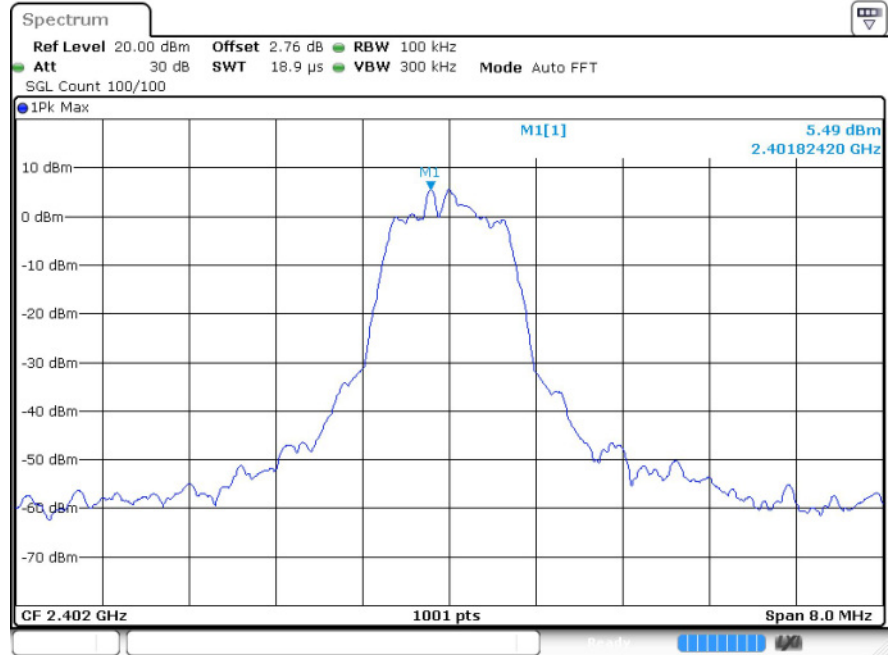
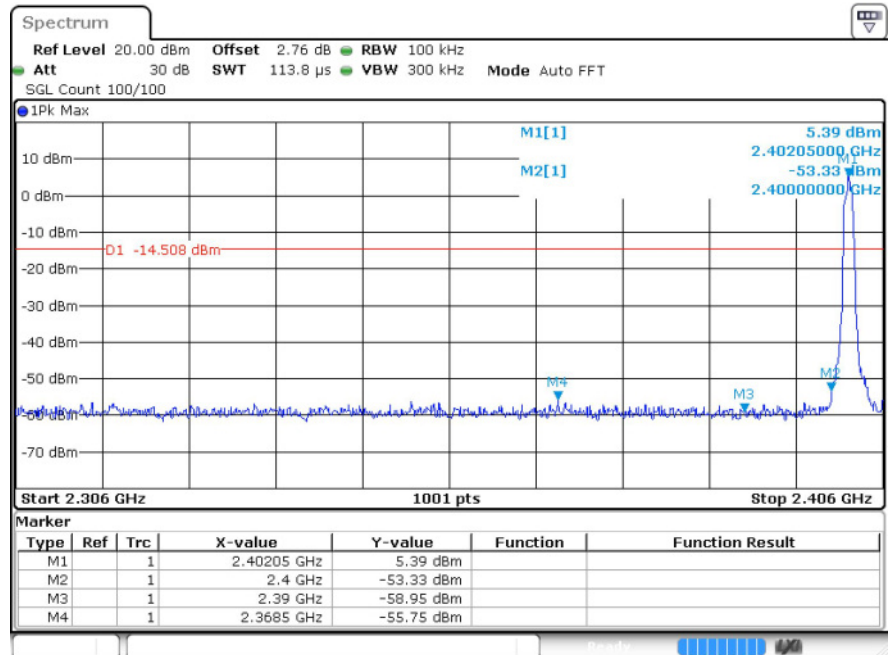
Ref.



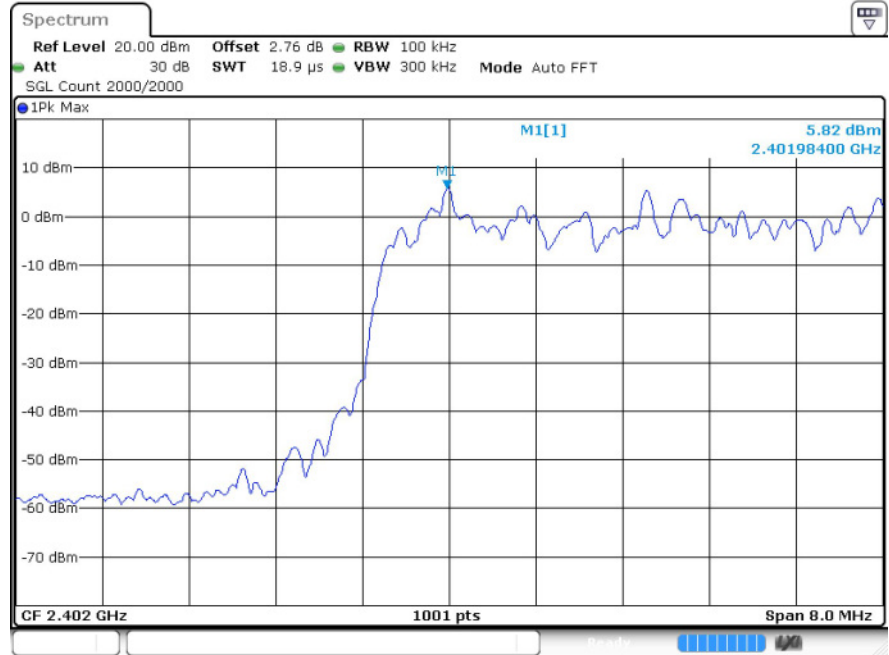
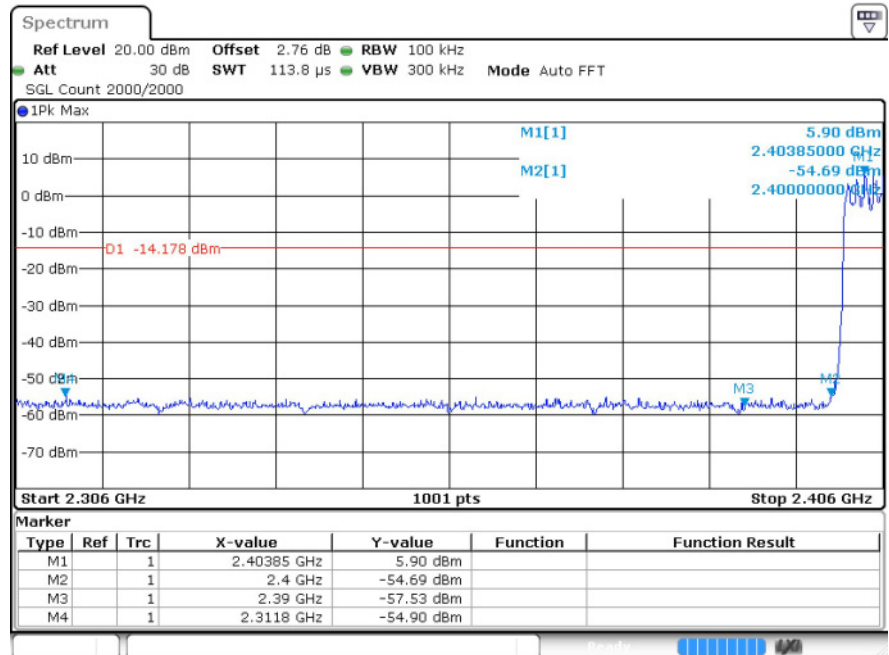
GFSK/HCH/Hop



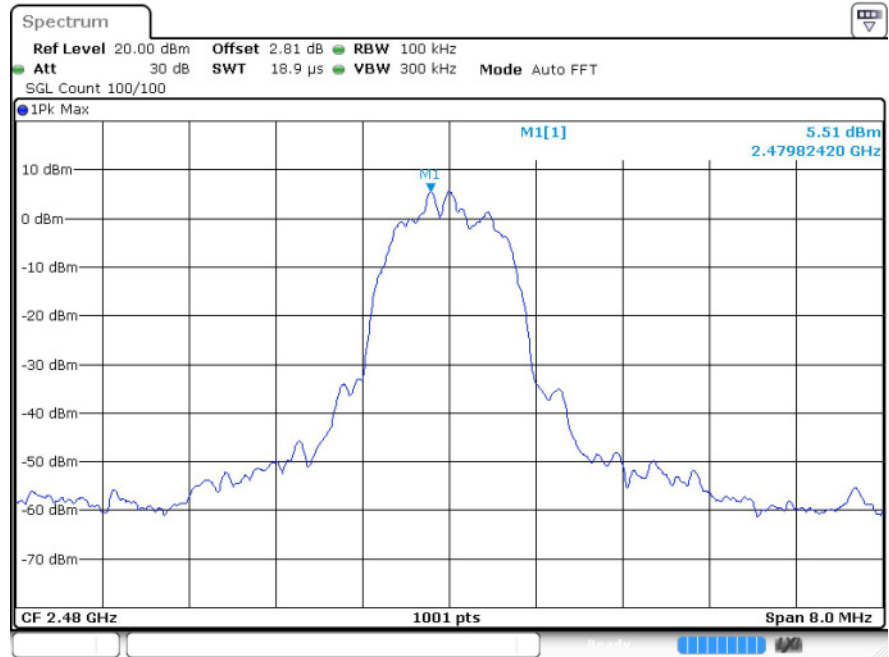
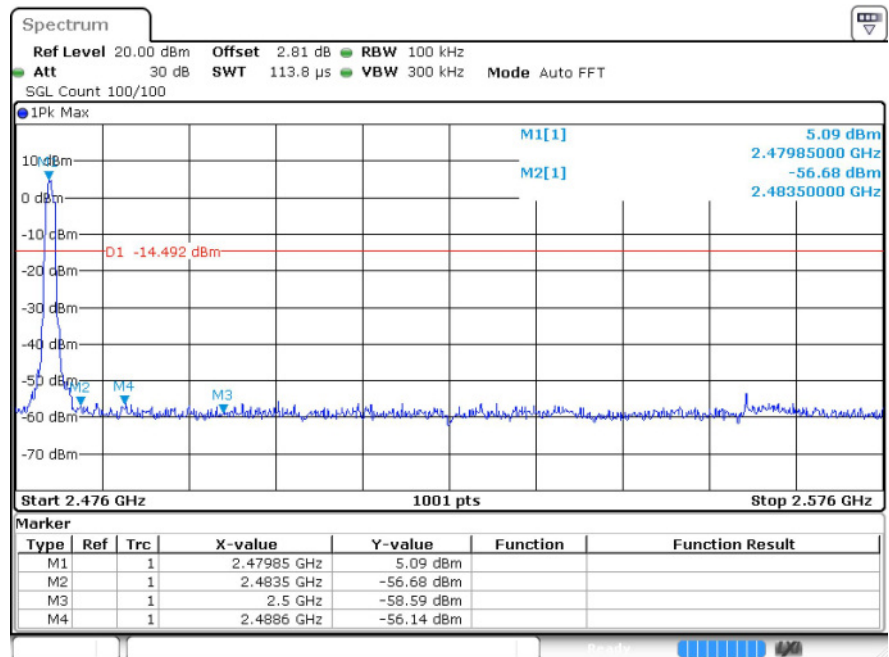
Ref


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


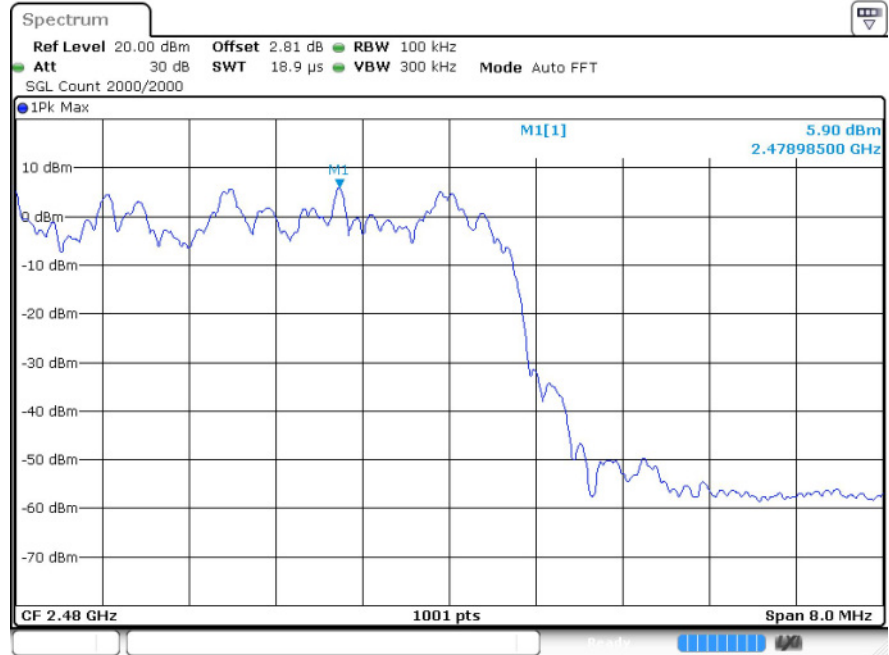
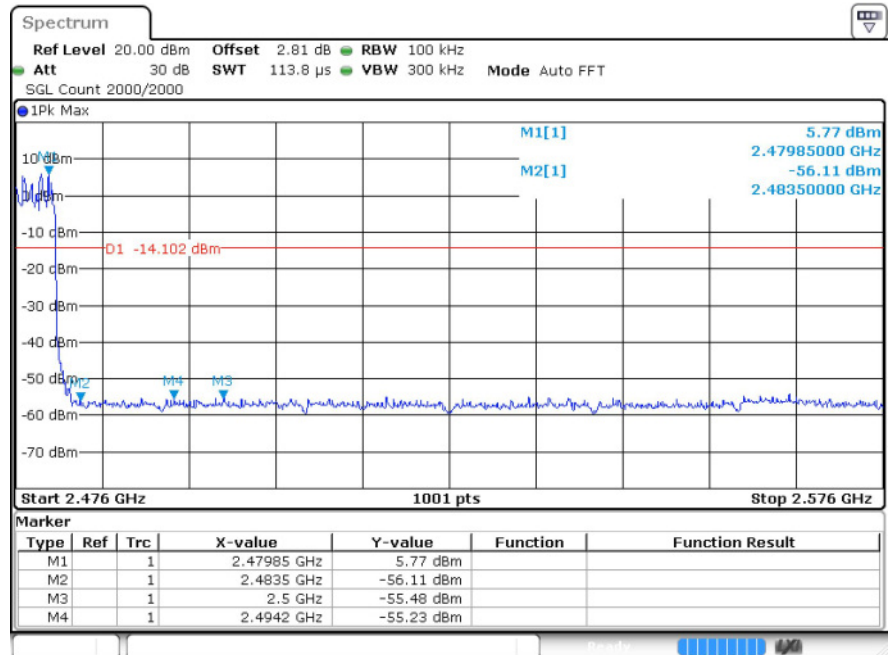
Ref


 $\pi/4$ DQPSK/LCH/Hop


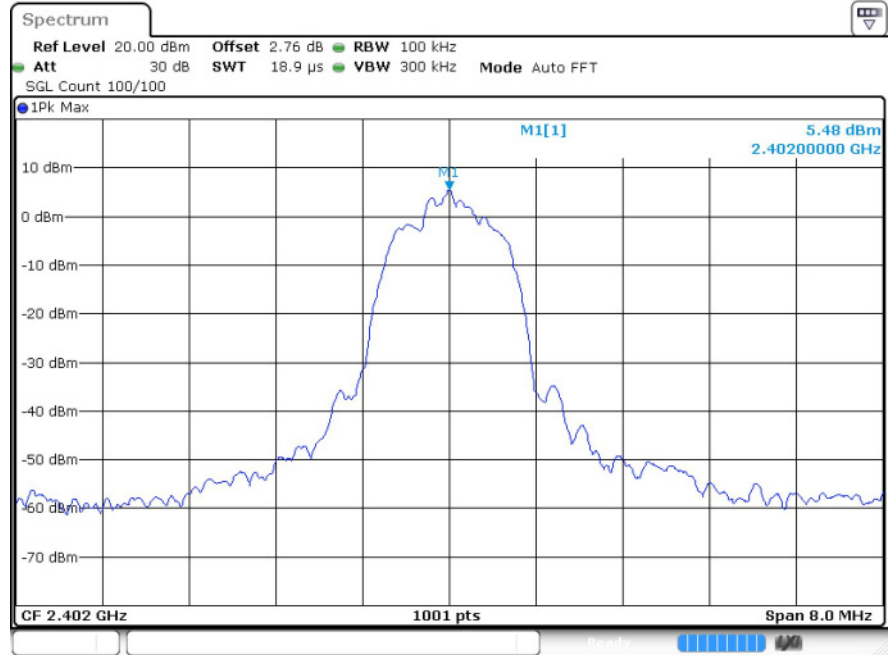
Ref


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


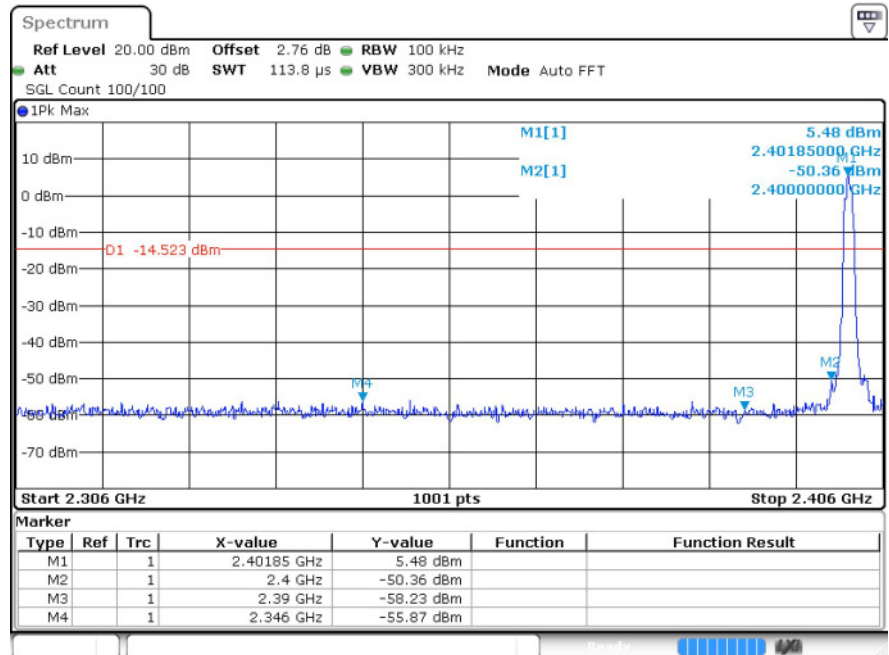
Ref


 $\pi/4$ DQPSK/HCH/Hop


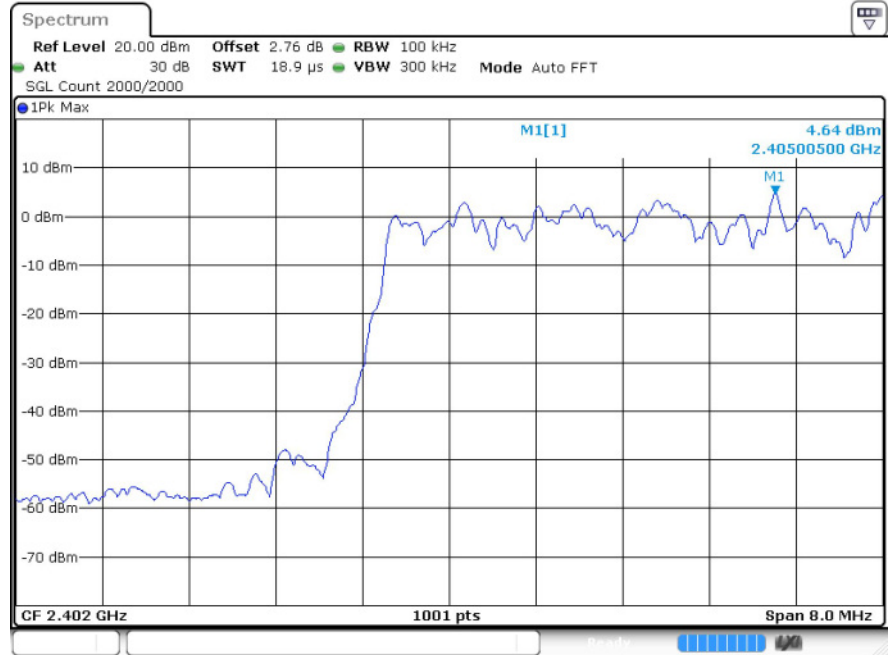
Ref



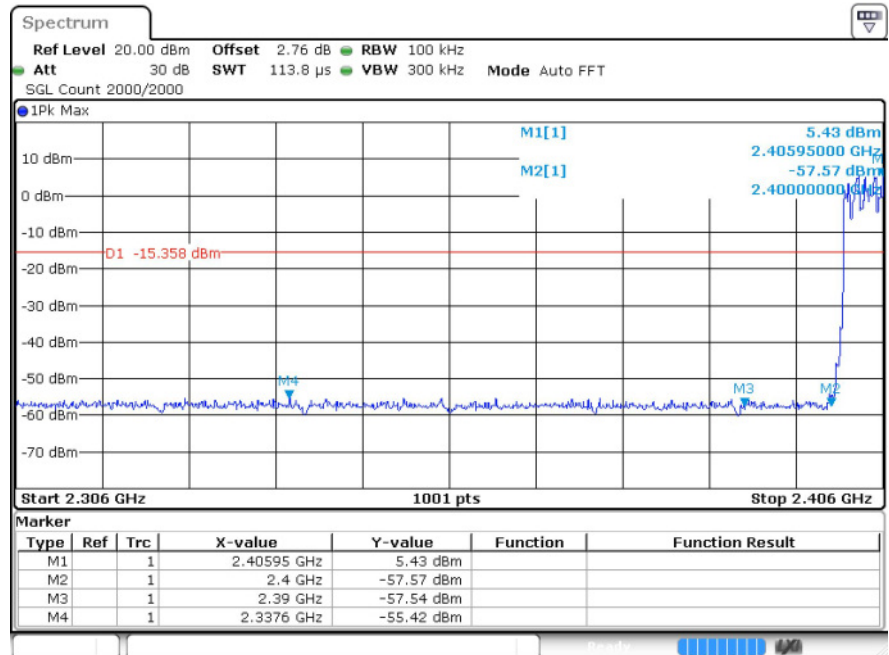
8DPSK/LCH/No Hop



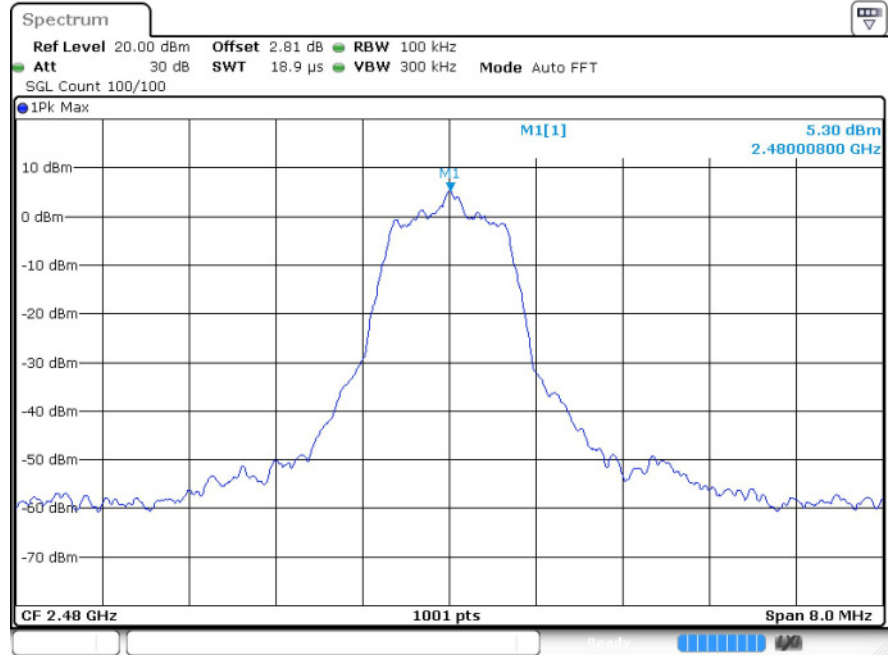
Ref



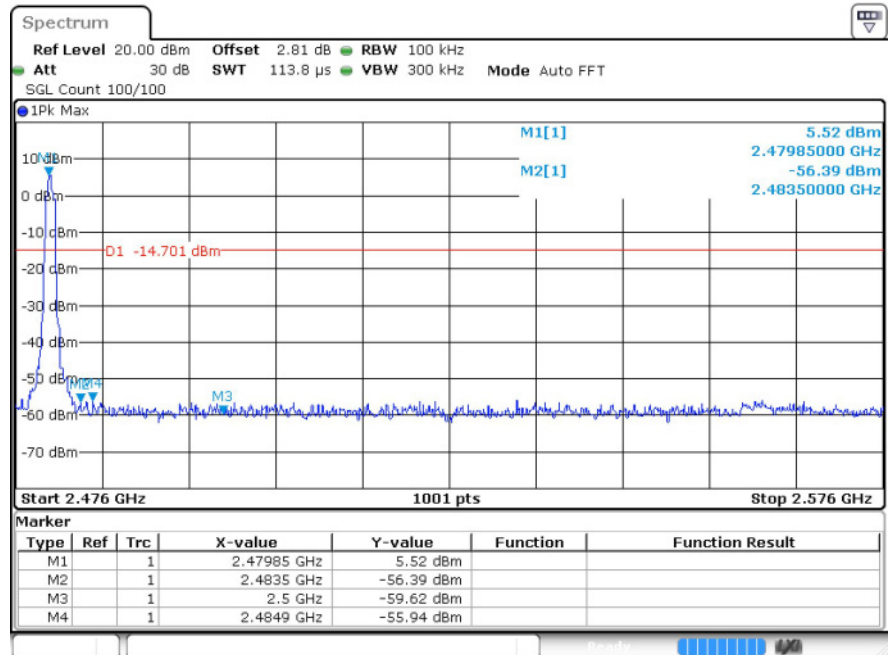
8DPSK/LCH/Hop



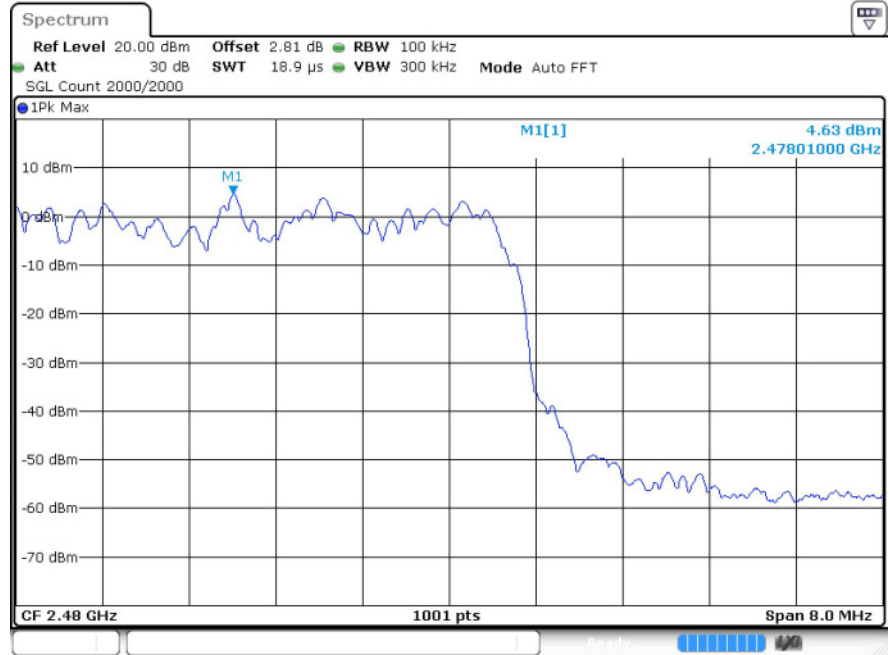
Ref



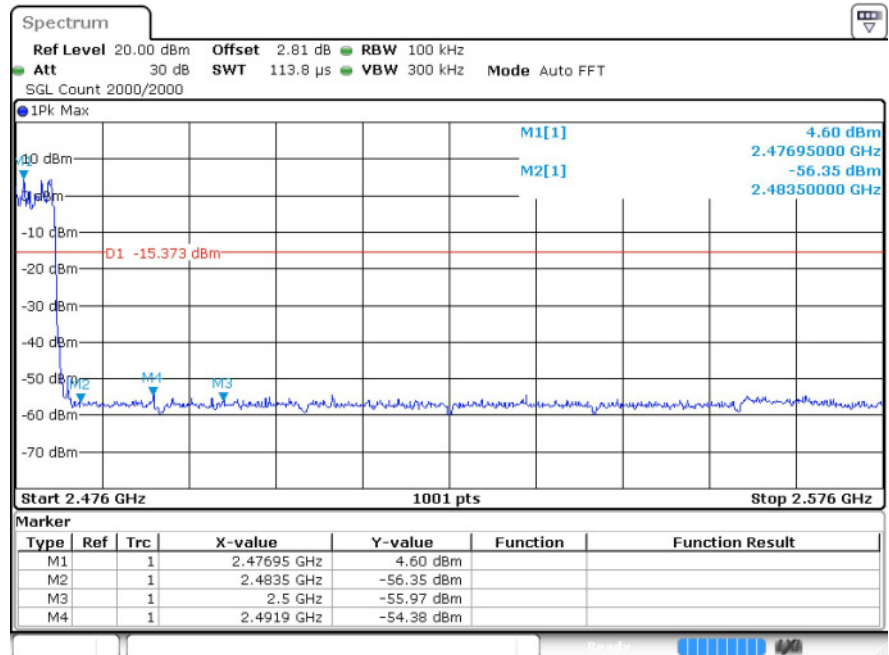
8DPSK/HCH/No Hop



Ref



8DPSK/HCH/Hop



## 9 Restrict-band band-edge measurements

### 9.1 Test Result

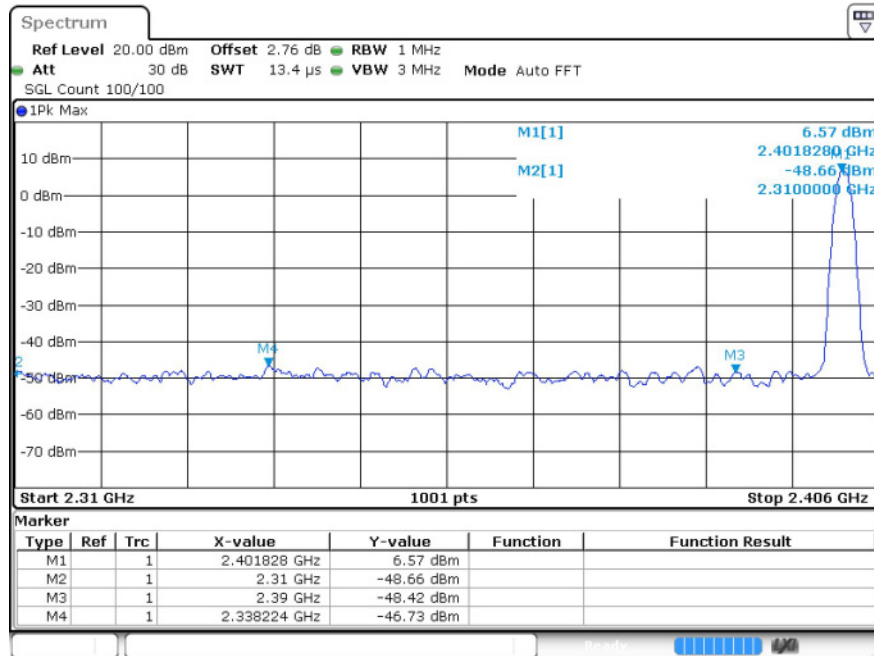
| Test Mode     | Hopping | Freq.    | Power [dBm] | Gain | Duty Factor | E [dBuV/m] | Detector | Limit [dBuV/m] | Verdict |
|---------------|---------|----------|-------------|------|-------------|------------|----------|----------------|---------|
| GFSK          | Off     | 2310.0   | -48.66      | 3.28 | -           | 49.85      | PEAK     | 74             | Pass    |
|               | Off     | 2310.0   | -57.67      | 3.28 | 4.94        | 45.78      | AV       | 54             | Pass    |
|               | Off     | 2338.224 | -46.73      | 3.28 | -           | 51.78      | PEAK     | 74             | Pass    |
|               | Off     | 2344.272 | -54.84      | 3.28 | 4.94        | 48.61      | AV       | 54             | Pass    |
|               | Off     | 2390.0   | -48.42      | 3.28 | -           | 50.09      | PEAK     | 74             | Pass    |
|               | Off     | 2390.0   | -57.1       | 3.28 | 4.94        | 46.35      | AV       | 54             | Pass    |
|               | Off     | 2483.5   | -48.87      | 3.28 | -           | 49.64      | PEAK     | 74             | Pass    |
|               | Off     | 2483.5   | -55.84      | 3.28 | 4.99        | 47.66      | AV       | 54             | Pass    |
|               | Off     | 2483.944 | -46.95      | 3.28 | -           | 51.56      | PEAK     | 74             | Pass    |
|               | Off     | 2483.872 | -55.3       | 3.28 | 4.99        | 48.2       | AV       | 54             | Pass    |
|               | Off     | 2500.0   | -50.54      | 3.28 | -           | 47.97      | PEAK     | 74             | Pass    |
|               | Off     | 2500.0   | -55.98      | 3.28 | 4.99        | 47.52      | AV       | 54             | Pass    |
| $\pi/4$ DQPSK | Off     | 2310.0   | -50.1       | 3.28 | -           | 48.41      | PEAK     | 74             | Pass    |
|               | Off     | 2310.0   | -55.79      | 3.28 | 4.9         | 47.62      | AV       | 54             | Pass    |
|               | Off     | 2350.32  | -47.01      | 3.28 | -           | 51.5       | PEAK     | 74             | Pass    |
|               | Off     | 2339.088 | -54.03      | 3.28 | 4.9         | 49.38      | AV       | 54             | Pass    |
|               | Off     | 2390.0   | -50.51      | 3.28 | -           | 48         | PEAK     | 74             | Pass    |
|               | Off     | 2390.0   | -56.32      | 3.28 | 4.9         | 47.09      | AV       | 54             | Pass    |
|               | Off     | 2483.5   | -48.46      | 3.28 | -           | 50.05      | PEAK     | 74             | Pass    |
|               | Off     | 2483.5   | -55.35      | 3.28 | 4.91        | 48.07      | AV       | 54             | Pass    |
|               | Off     | 2485.912 | -47.29      | 3.28 | -           | 51.22      | PEAK     | 74             | Pass    |
|               | Off     | 2484.448 | -55.15      | 3.28 | 4.91        | 48.27      | AV       | 54             | Pass    |
|               | Off     | 2500.0   | -49.24      | 3.28 | -           | 49.27      | PEAK     | 74             | Pass    |
|               | Off     | 2500.0   | -56.46      | 3.28 | 4.91        | 46.96      | AV       | 54             | Pass    |
| 8DPSK         | Off     | 2310.0   | -49.95      | 3.28 | -           | 48.56      | PEAK     | 74             | Pass    |
|               | Off     | 2310.0   | -57.27      | 3.28 | 4.91        | 46.15      | AV       | 54             | Pass    |
|               | Off     | 2329.776 | -46.04      | 3.28 | -           | 52.47      | PEAK     | 74             | Pass    |
|               | Off     | 2340.048 | -54.6       | 3.28 | 4.91        | 48.82      | AV       | 54             | Pass    |



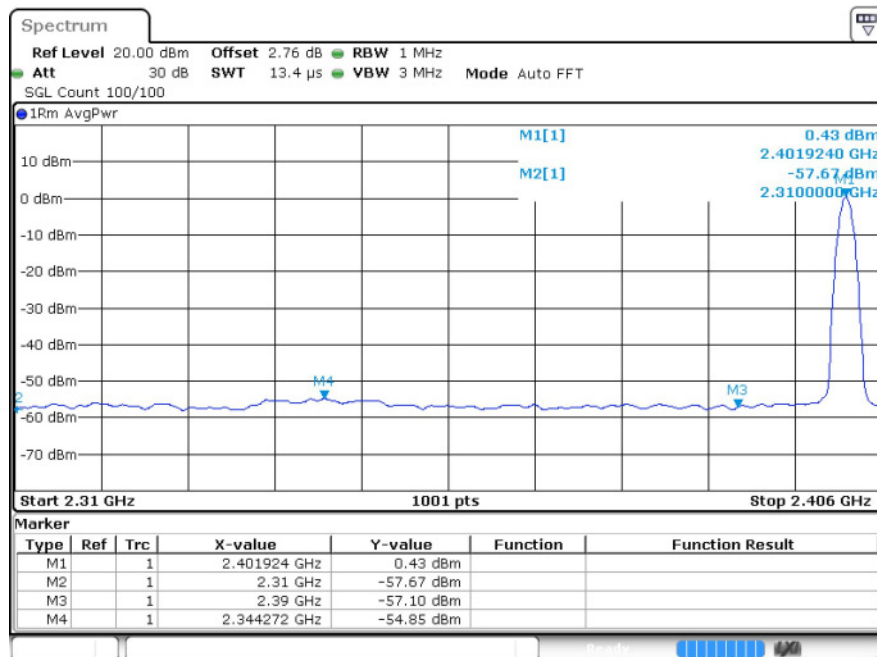
|     |          |        |      |      |       |      |    |      |
|-----|----------|--------|------|------|-------|------|----|------|
| Off | 2390.0   | -50.83 | 3.28 | -    | 47.68 | PEAK | 74 | Pass |
| Off | 2390.0   | -57.14 | 3.28 | 4.91 | 46.28 | AV   | 54 | Pass |
| Off | 2483.5   | -48.96 | 3.28 | -    | 49.55 | PEAK | 74 | Pass |
| Off | 2483.5   | -54.95 | 3.28 | 4.91 | 48.47 | AV   | 54 | Pass |
| Off | 2496.904 | -48.46 | 3.28 | -    | 50.05 | PEAK | 74 | Pass |
| Off | 2483.704 | -54.83 | 3.28 | 4.91 | 48.59 | AV   | 54 | Pass |
| Off | 2500.0   | -48.75 | 3.28 | -    | 49.76 | PEAK | 74 | Pass |
| Off | 2500.0   | -57.15 | 3.28 | 4.91 | 46.27 | AV   | 54 | Pass |

## 9.2 Test Graphs

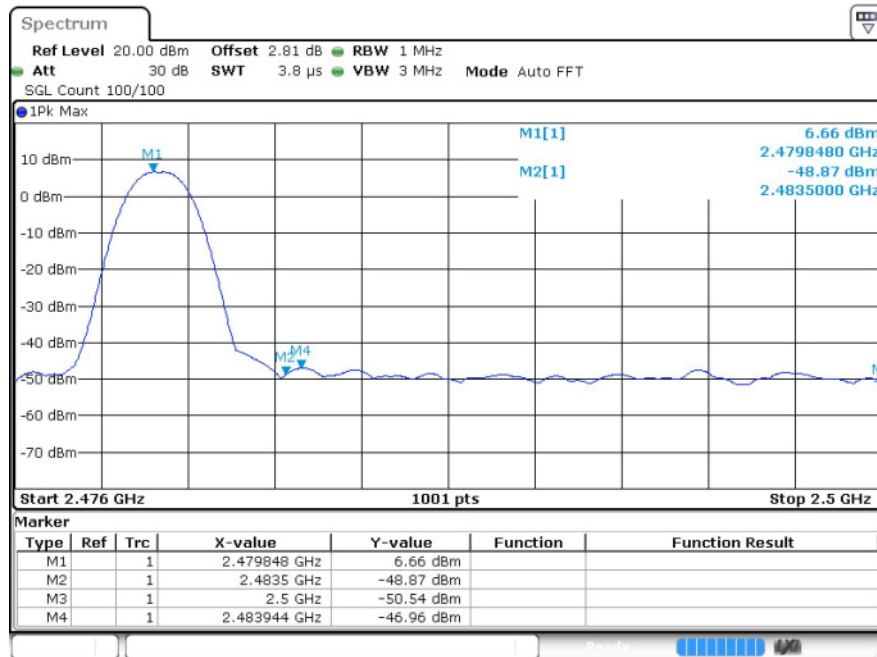
Restrict-band band-edge measurements\_Hopping Off\_ GFSK\_PEAK (Low Channel)



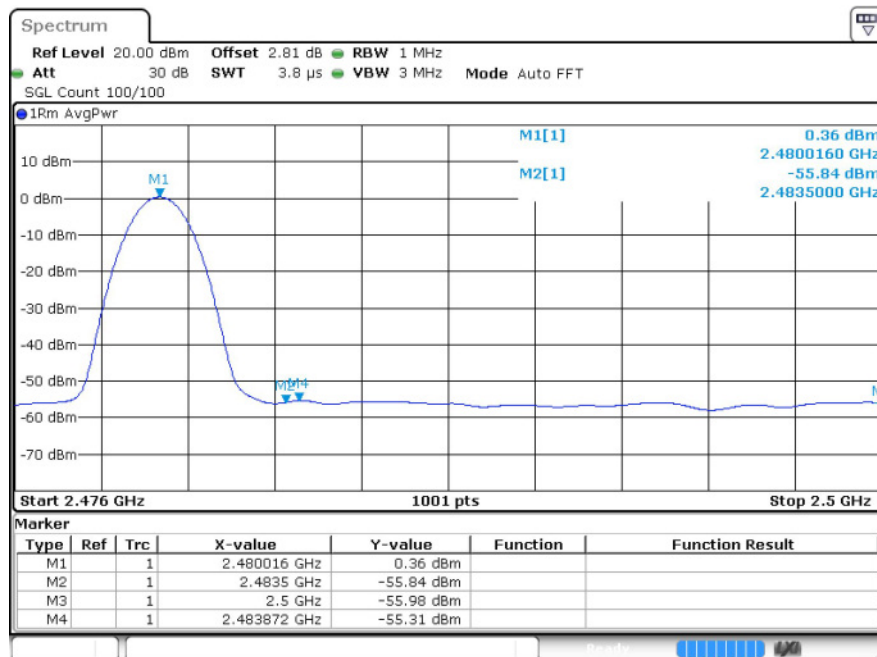
Restrict-band band-edge measurements\_Hopping Off\_ GFSK\_Average (Low Channel)



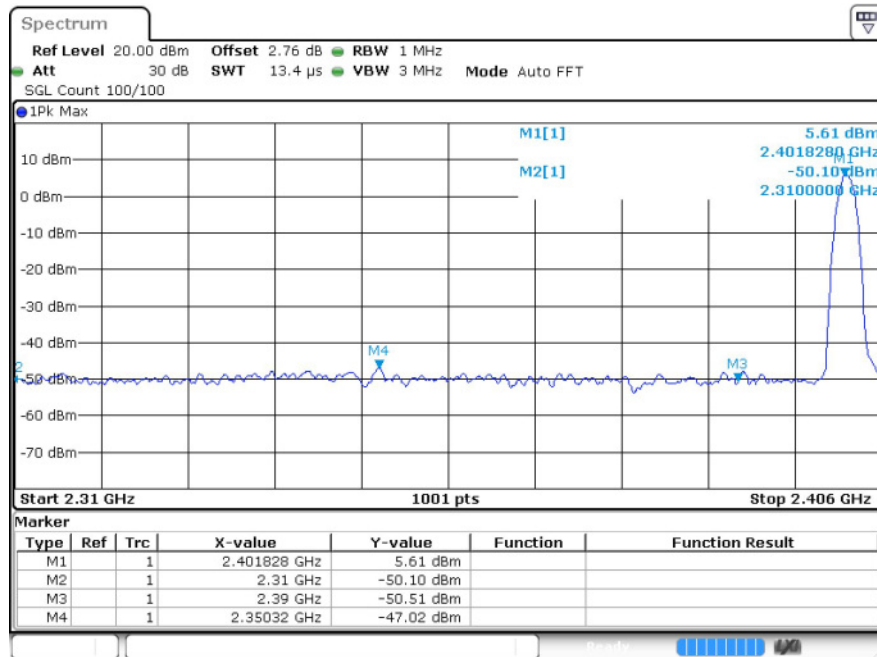
### Restrict-band band-edge measurements\_Hopping Off\_ GFSK\_PEAK (High Channel)



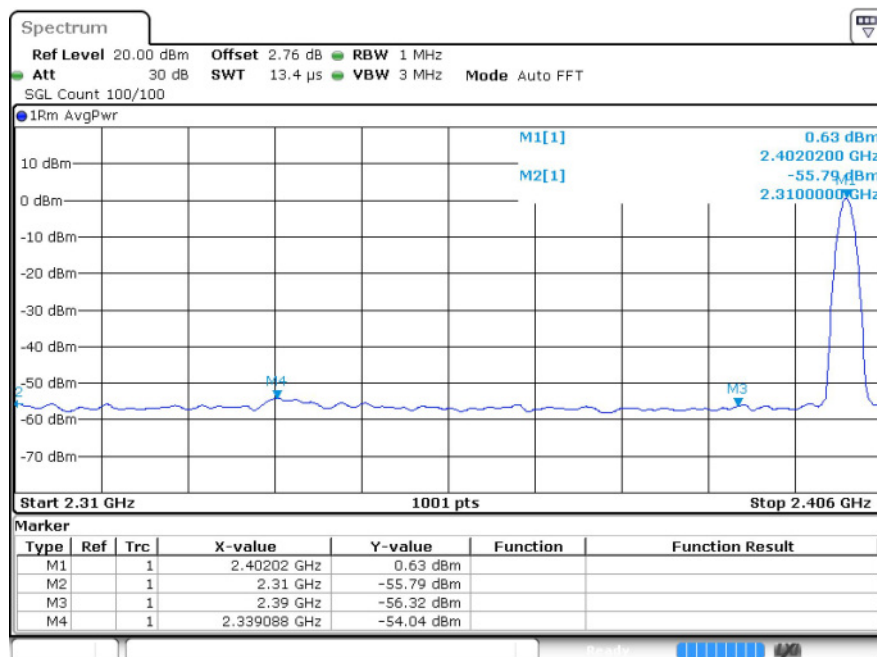
### Restrict-band band-edge measurements\_Hopping Off\_ GFSK\_Average (High Channel)



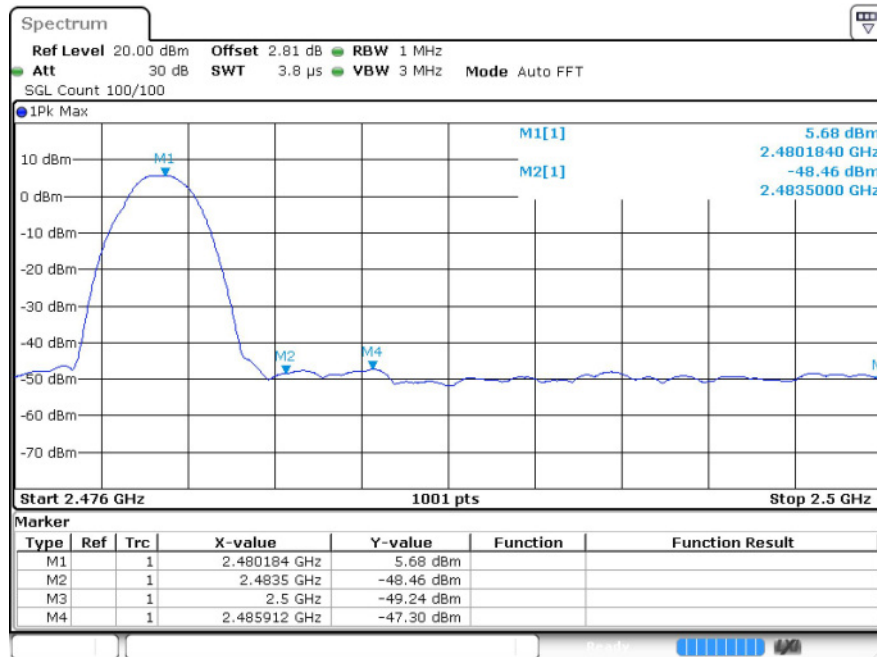
## Restrict-band band-edge measurements\_Hopping Off\_π/4-DQPSK\_PEAK (Low Channel)



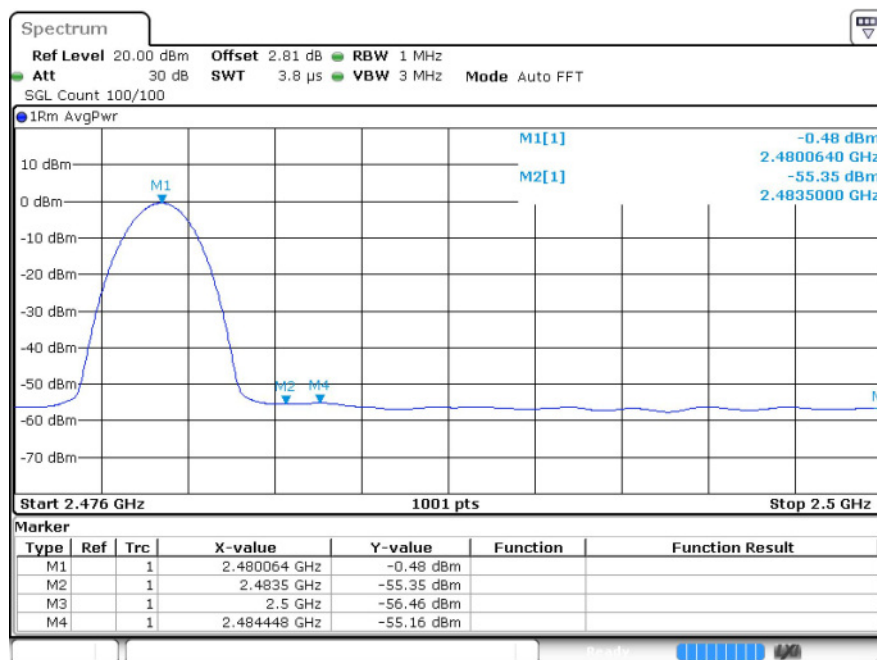
## Restrict-band band-edge measurements\_Hopping Off\_π/4-DQPSK\_Average (Low Channel)



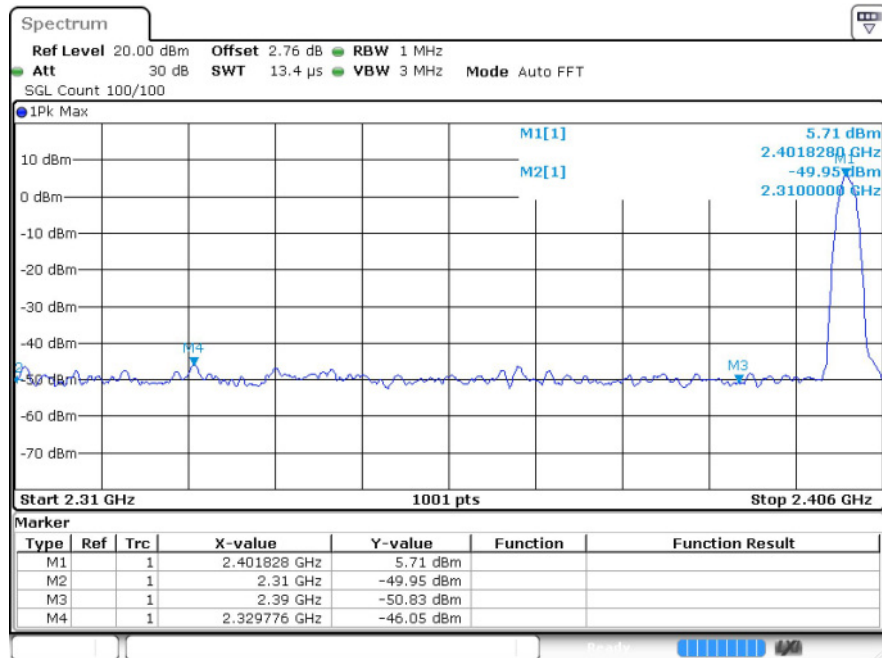
## Restrict-band band-edge measurements\_Hopping Off\_π/4-DQPSK\_PEAK (High Channel)



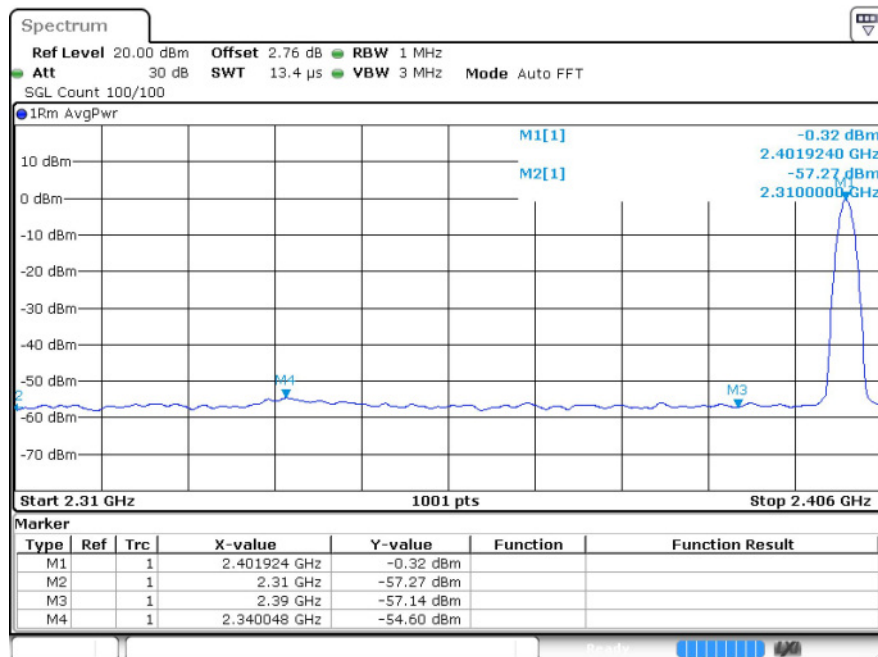
## Restrict-band band-edge measurements\_Hopping Off\_π/4-DQPSK\_Average (High Channel)



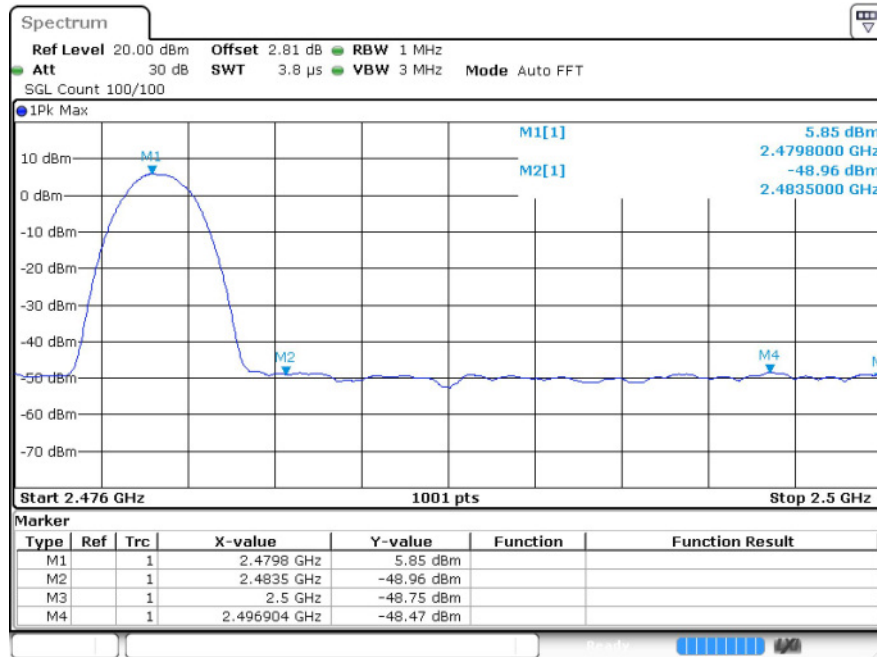
### Restrict-band band-edge measurements\_Hopping Off\_8DPSK\_PEAK (Low Channel)



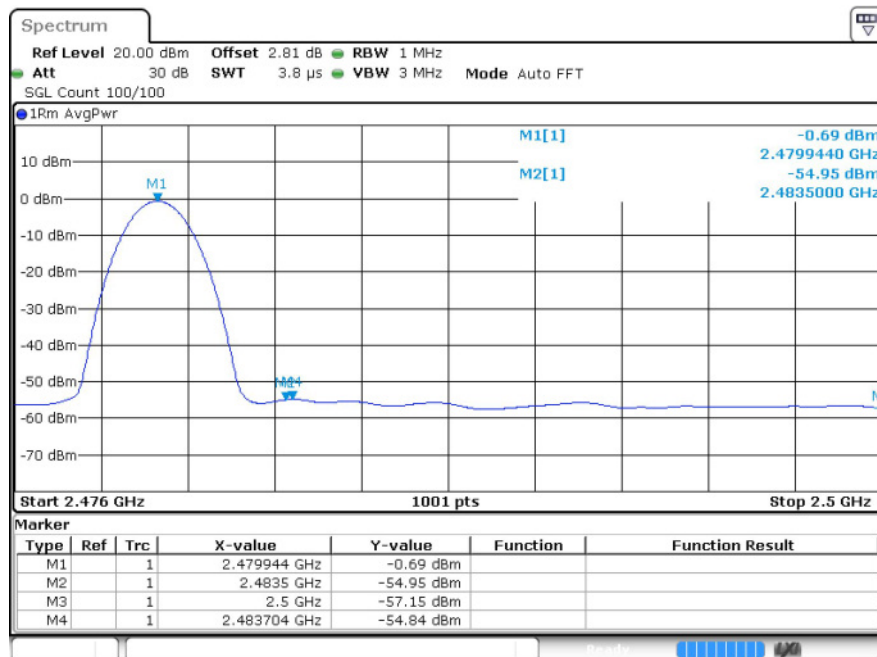
### Restrict-band band-edge measurements\_Hopping Off\_8DPSK\_Average (Low Channel)



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



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



---The End---