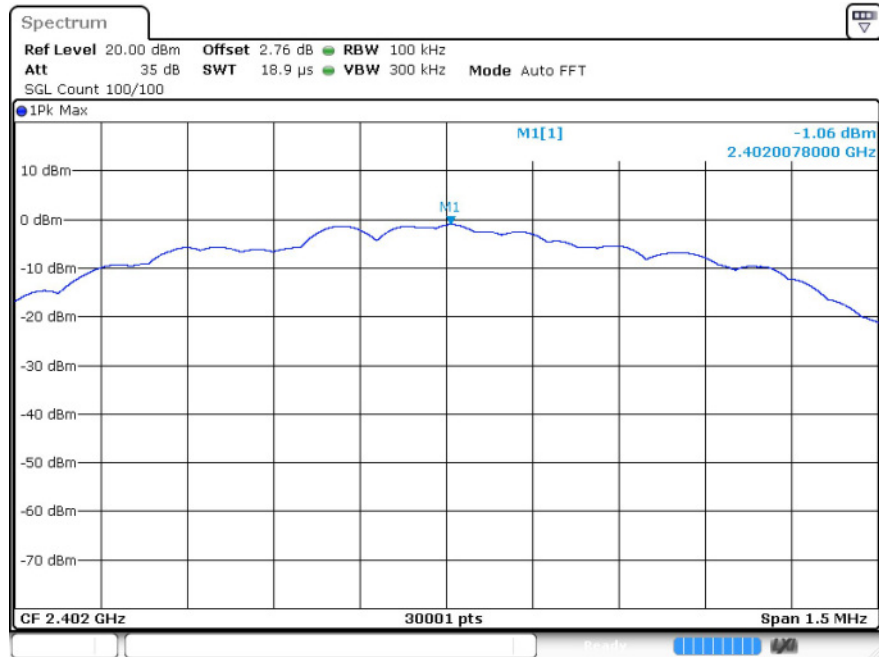
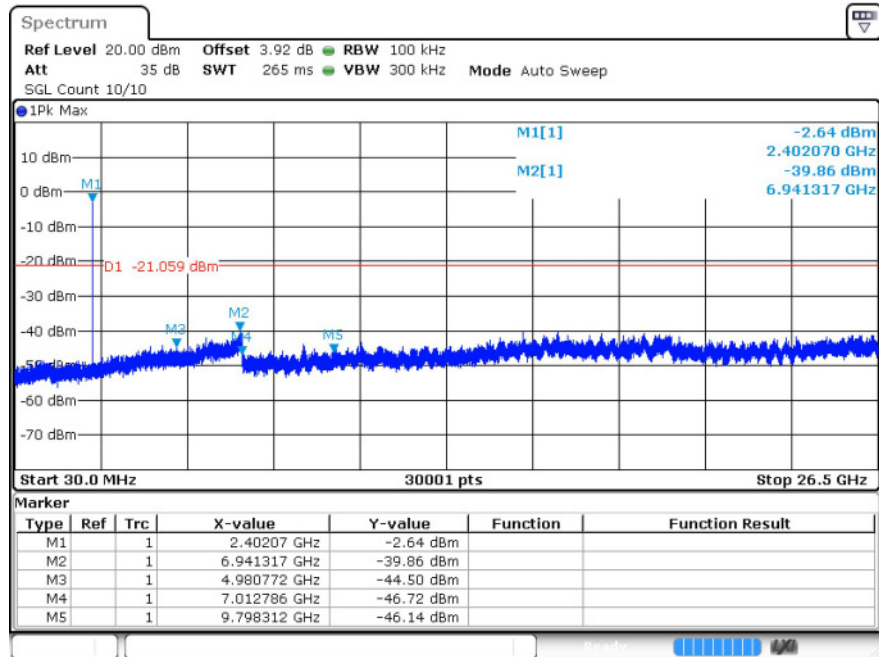


## 8DPSK\_LCH\_Graphs

Pref

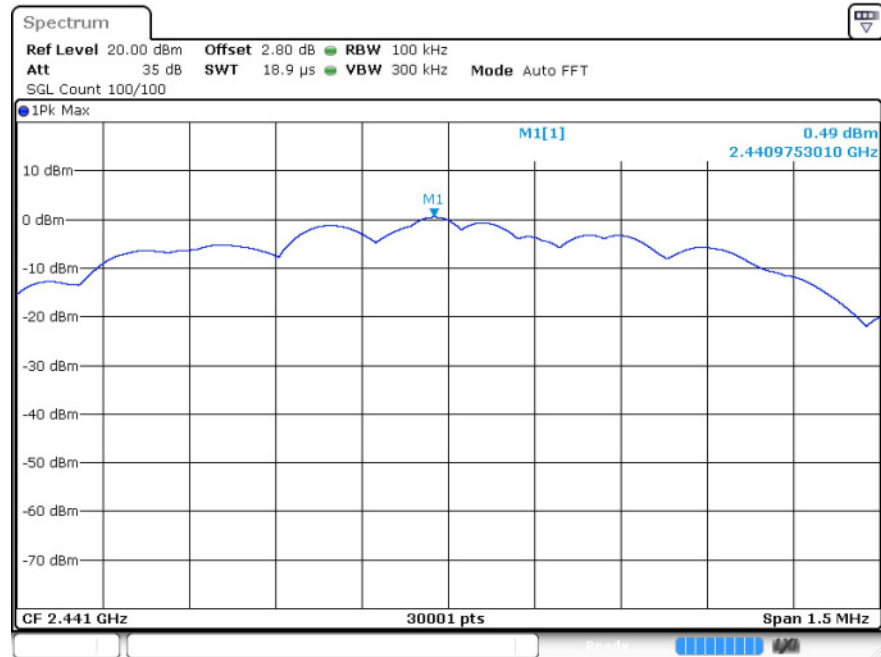


Puw

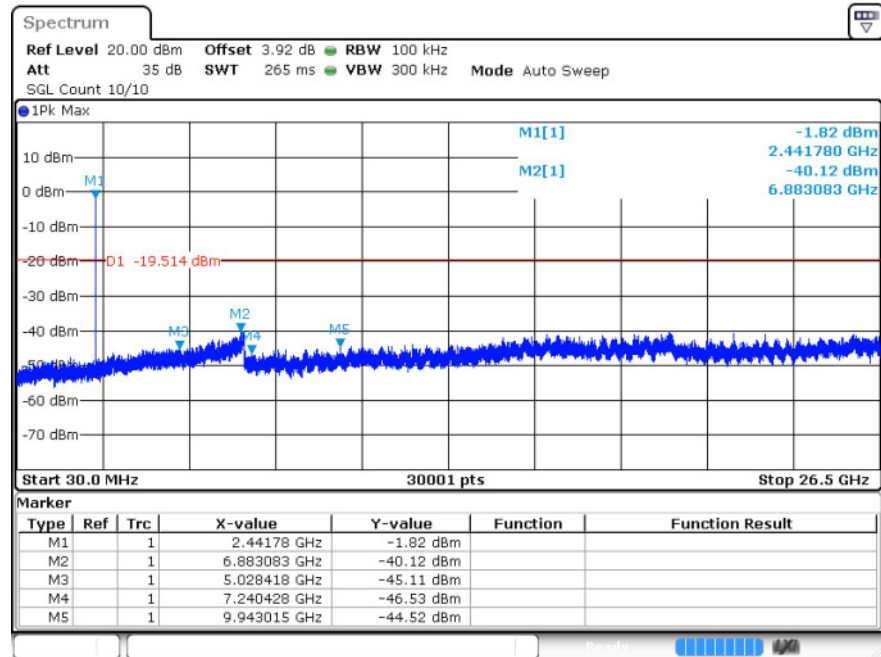


## 8DPSK\_MCH\_Graphs

Pref

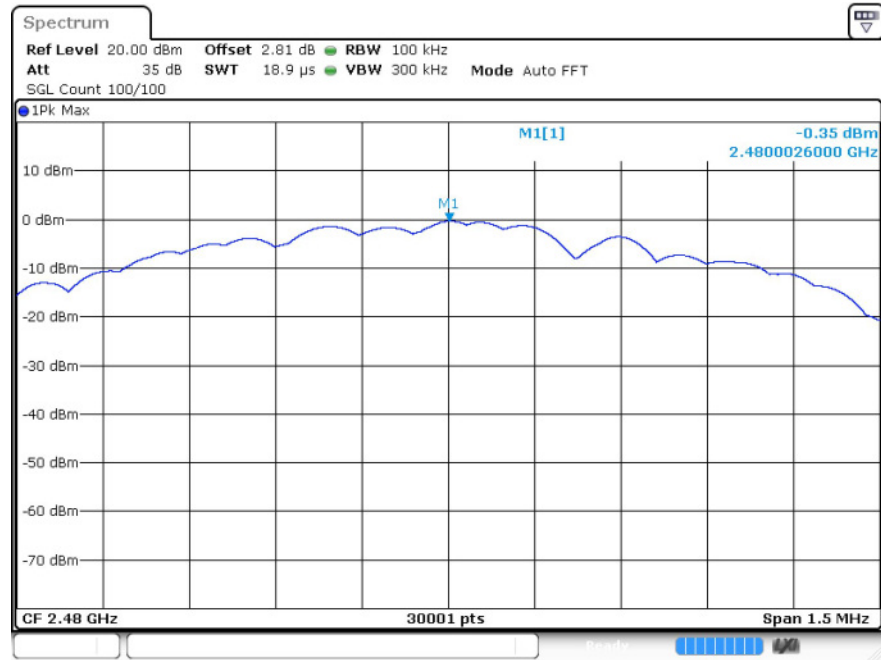


Puw

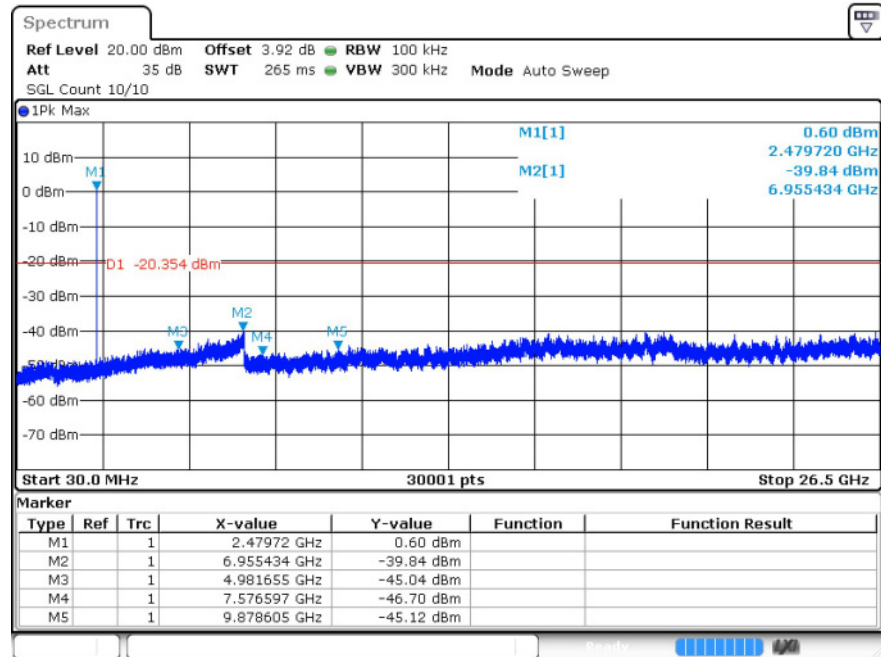


## 8DPSK\_HCH\_Graphs

Pref



Puw

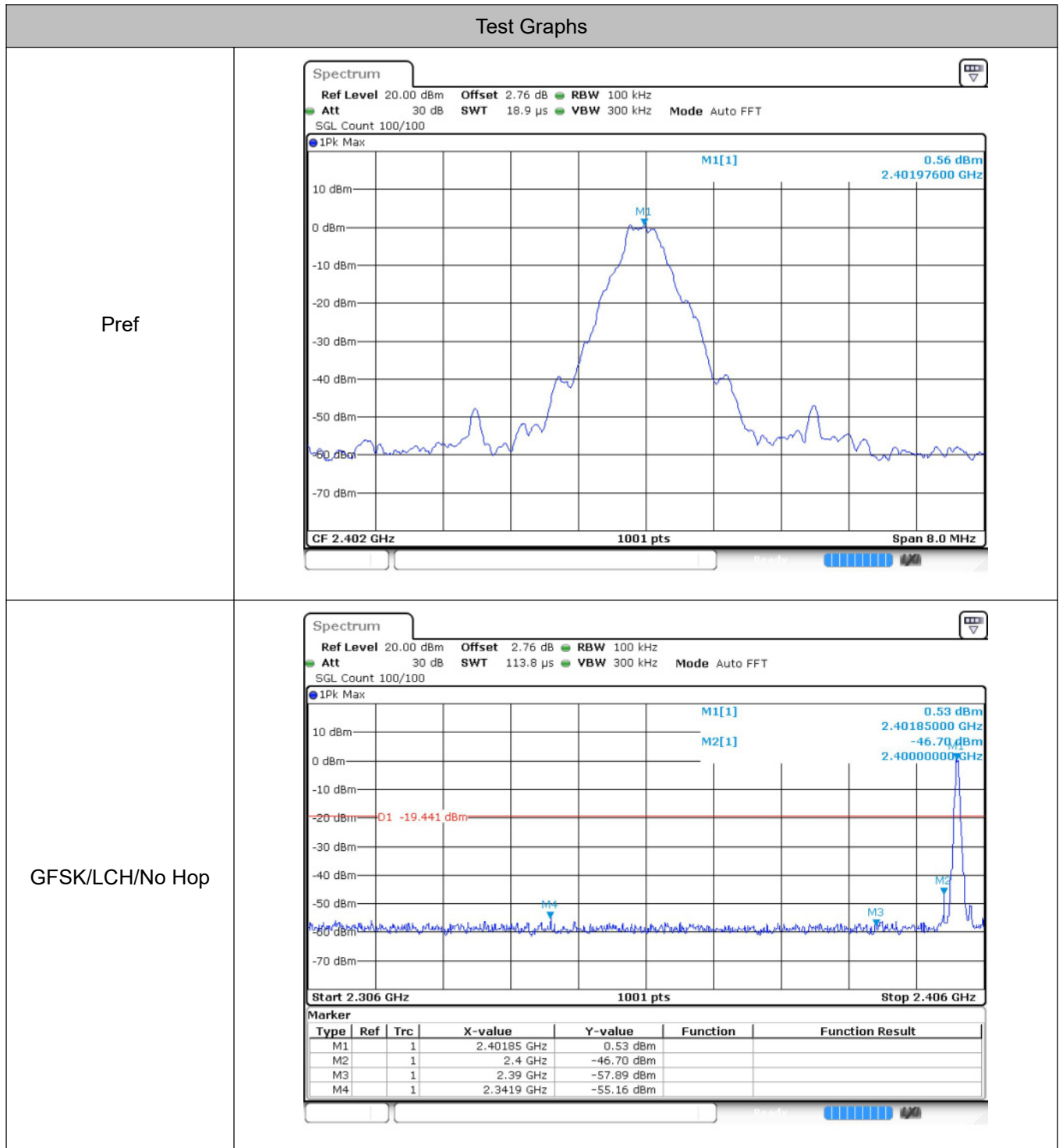


## 8 Band-edge for RF Conducted Emissions

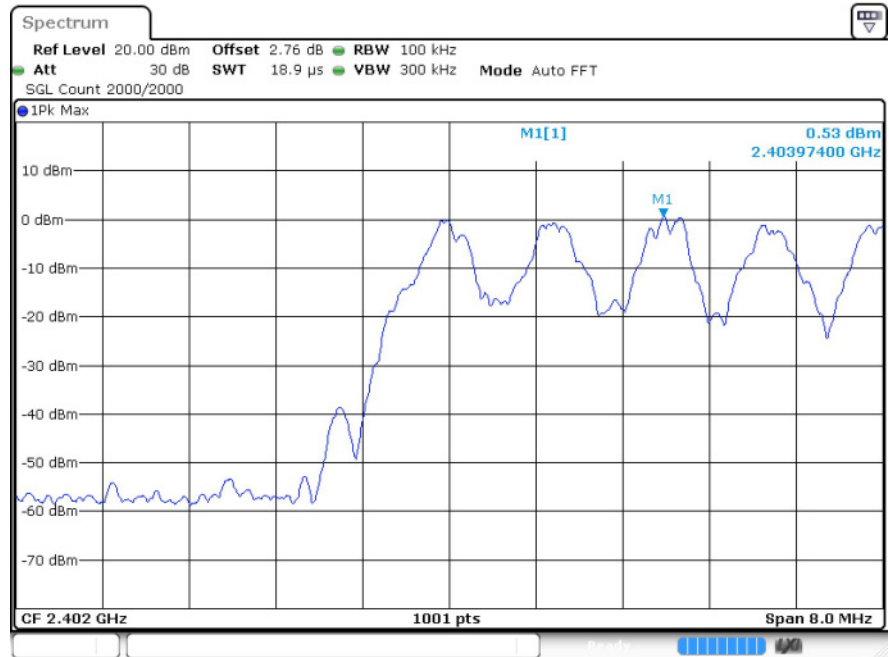
### 8.1 Test Result

| Mode          | Channel | Carrier Frequency [MHz] | Frequency Hopping | Max Spurious Level [dBc] | Limit [dBc] | Verdict |
|---------------|---------|-------------------------|-------------------|--------------------------|-------------|---------|
| GFSK          | LCH     | 2402                    | Off               | -55.71                   | -20         | Pass    |
|               |         |                         | On                | -55.01                   | -20         | Pass    |
|               | HCH     | 2480                    | Off               | -56.74                   | -20         | Pass    |
|               |         |                         | On                | -55.54                   | -20         | Pass    |
| $\pi/4$ DQPSK | LCH     | 2402                    | Off               | -55.32                   | -20         | Pass    |
|               |         |                         | On                | -54.14                   | -20         | Pass    |
|               | HCH     | 2480                    | Off               | -56.29                   | -20         | Pass    |
|               |         |                         | On                | -50.55                   | -20         | Pass    |
| 8DPSK         | LCH     | 2402                    | Off               | -54.2                    | -20         | Pass    |
|               |         |                         | On                | -53.19                   | -20         | Pass    |
|               | HCH     | 2480                    | Off               | -52.56                   | -20         | Pass    |
|               |         |                         | On                | -56.35                   | -20         | Pass    |

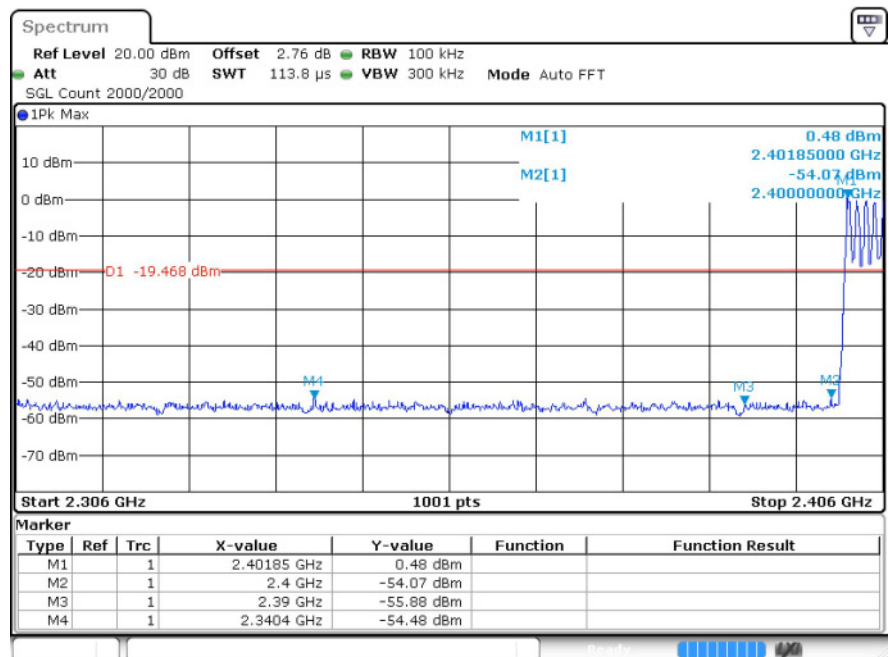
## 8.2 Test Graphs



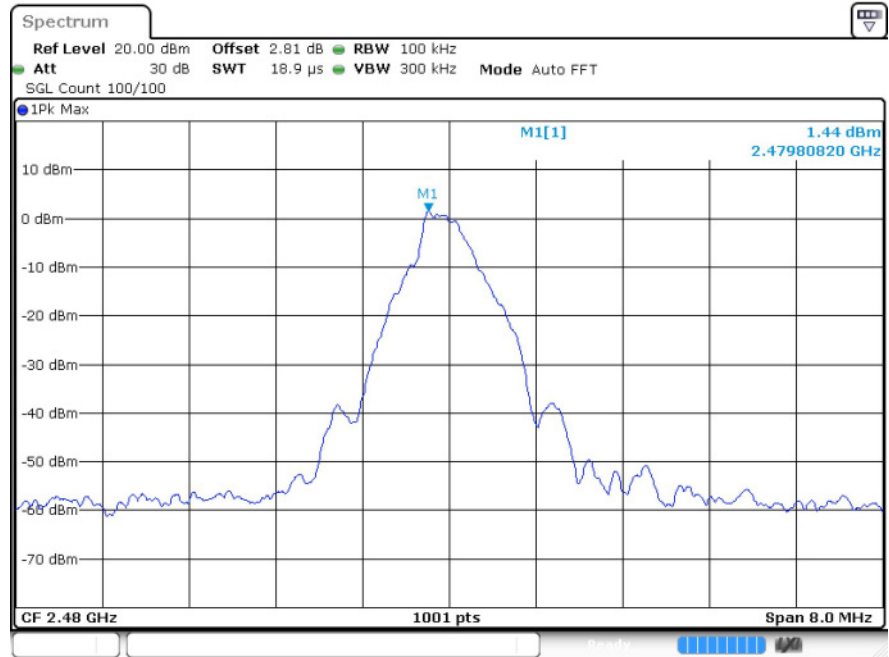
Ref



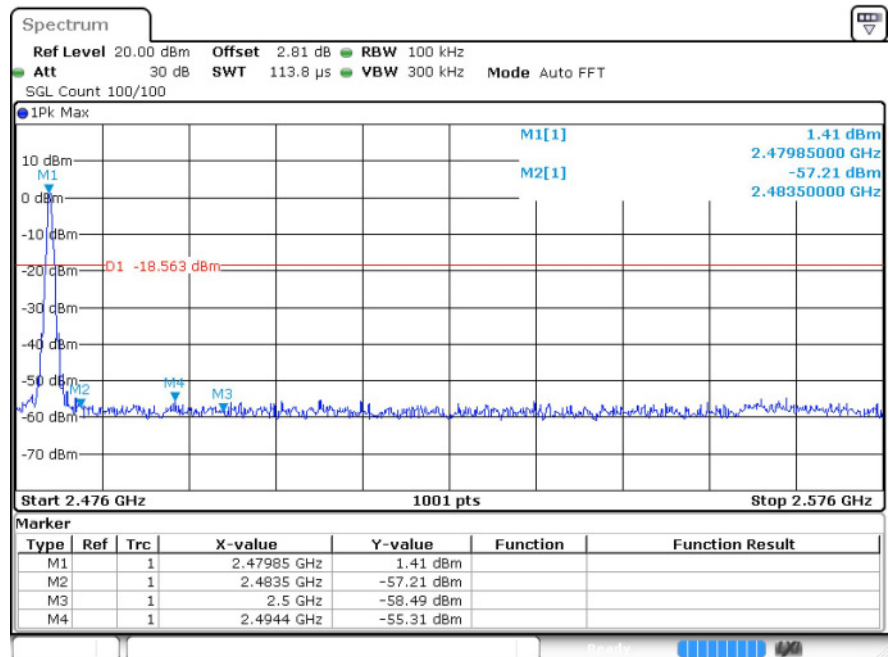
GFSK/LCH/Hop



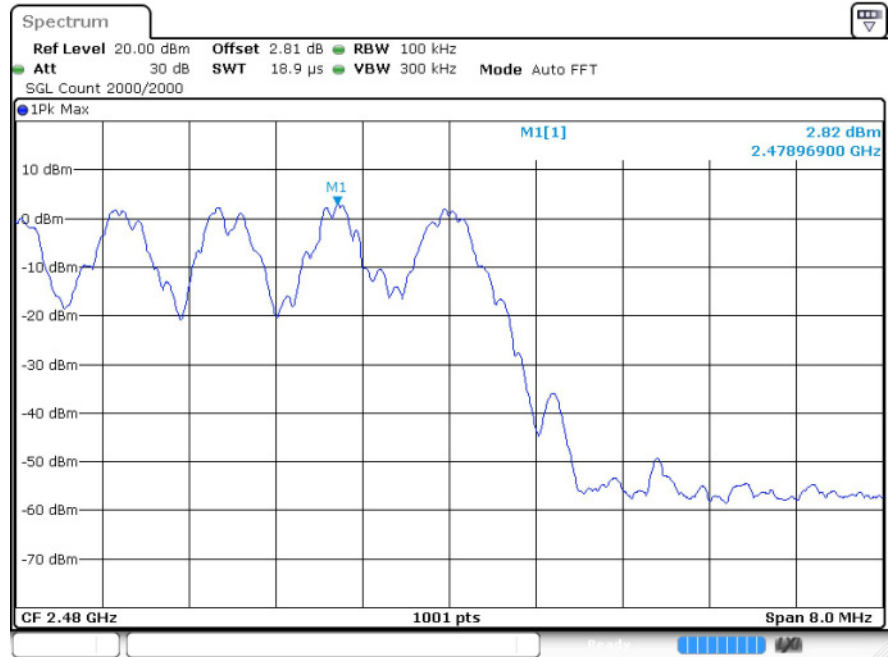
Ref



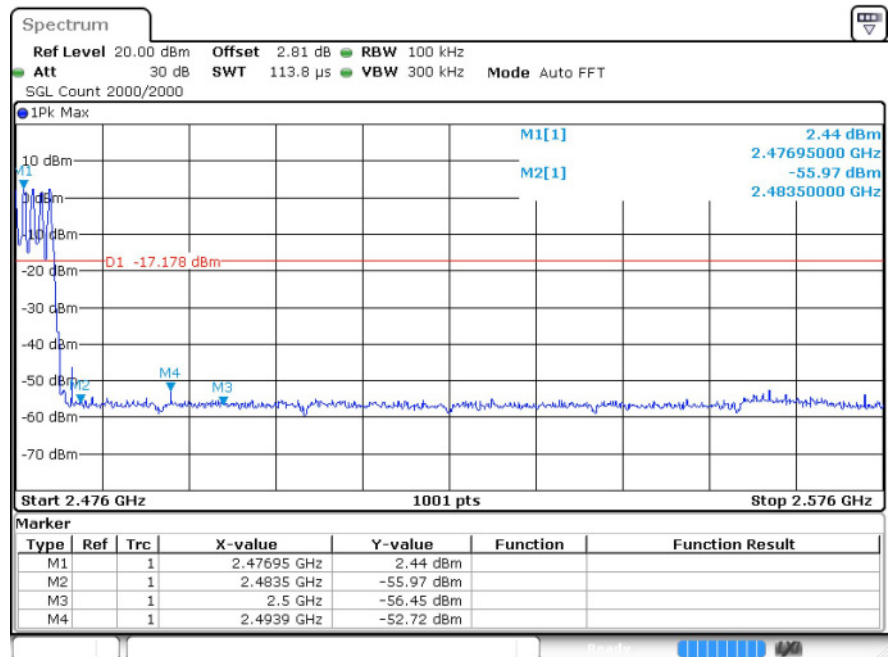
GFSK/HCH/No Hop



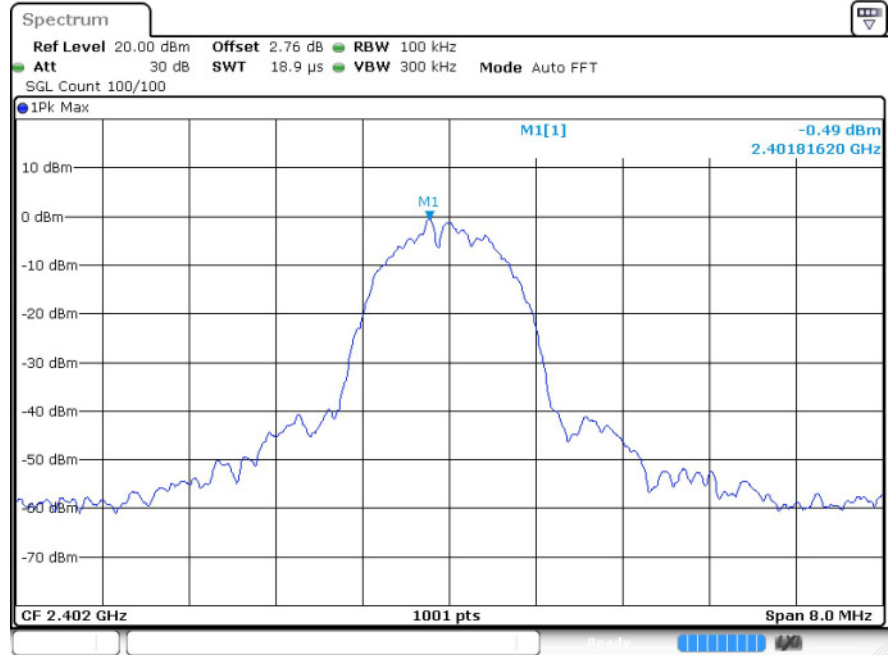
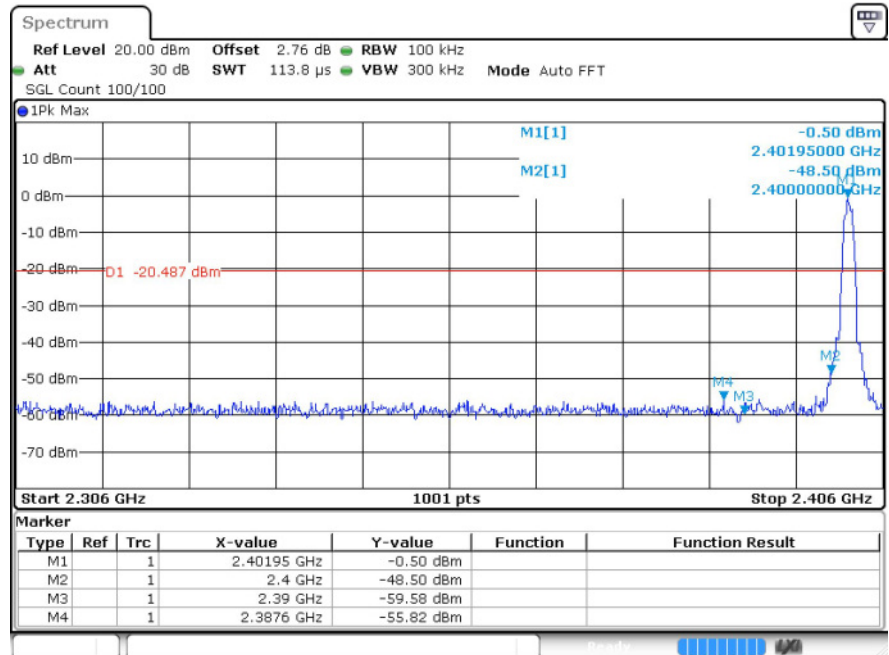
Ref.



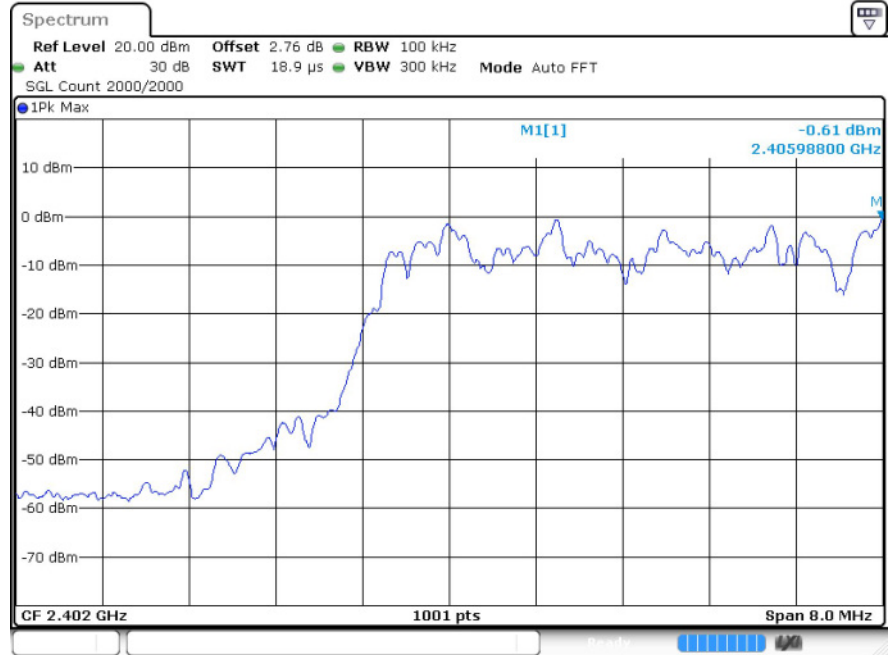
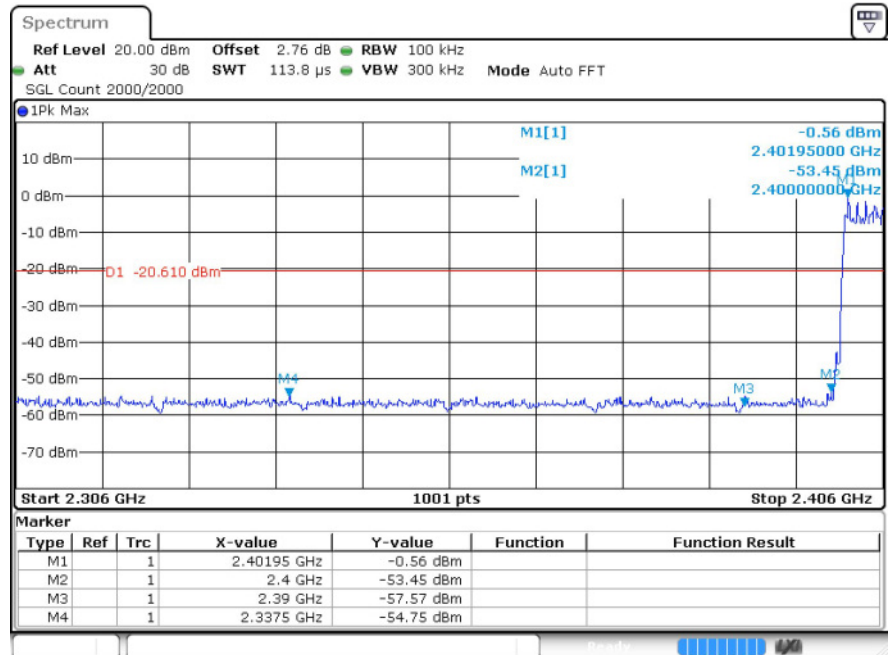
GFSK/HCH/Hop



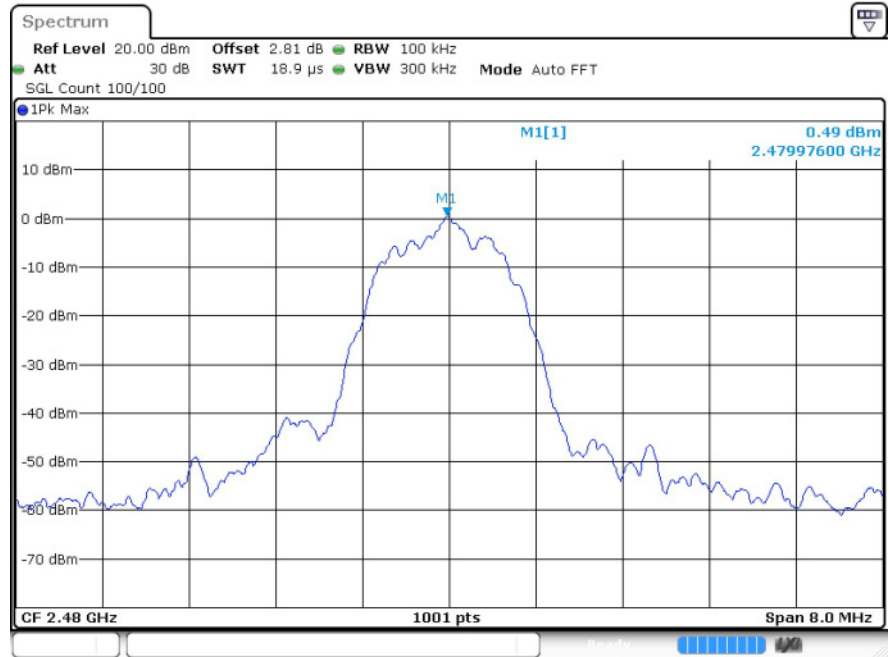
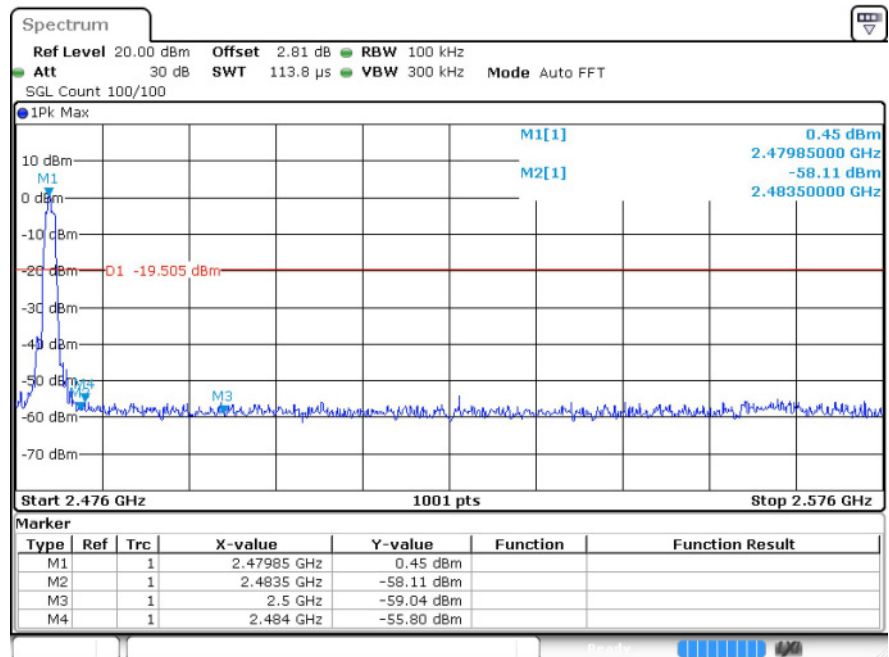
Ref


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


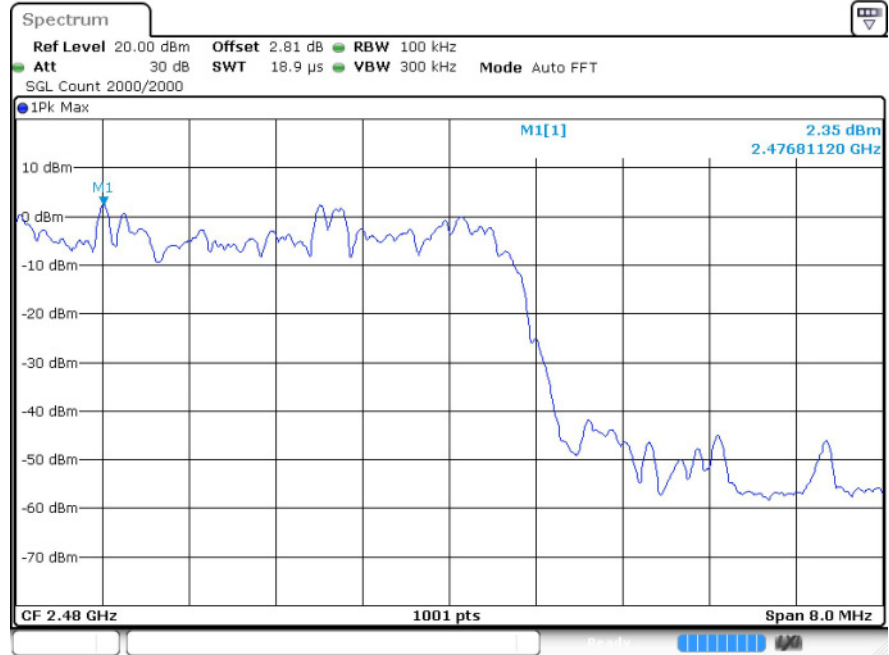
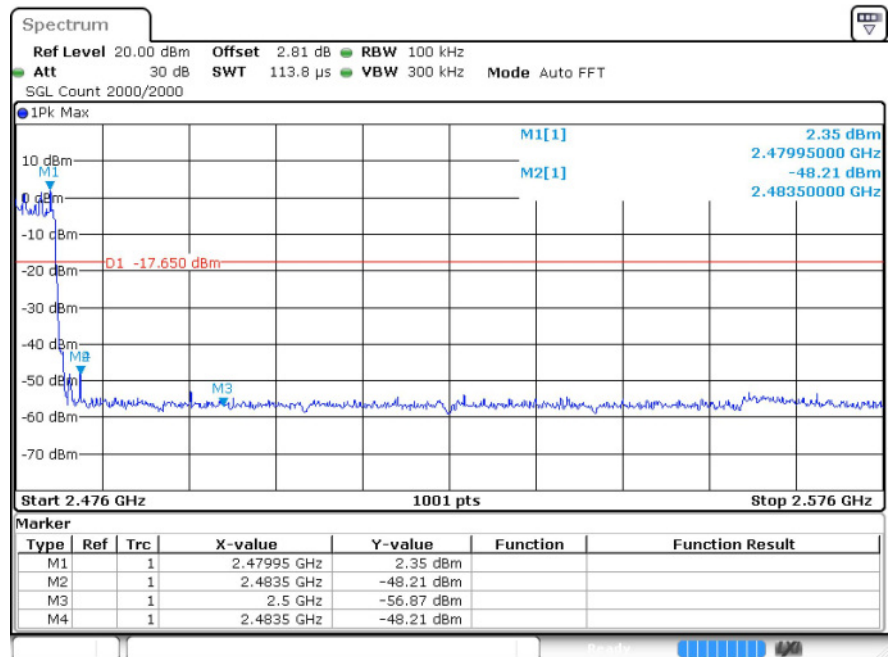
Ref


 $\pi/4$ DQPSK/LCH/Hop


Ref


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


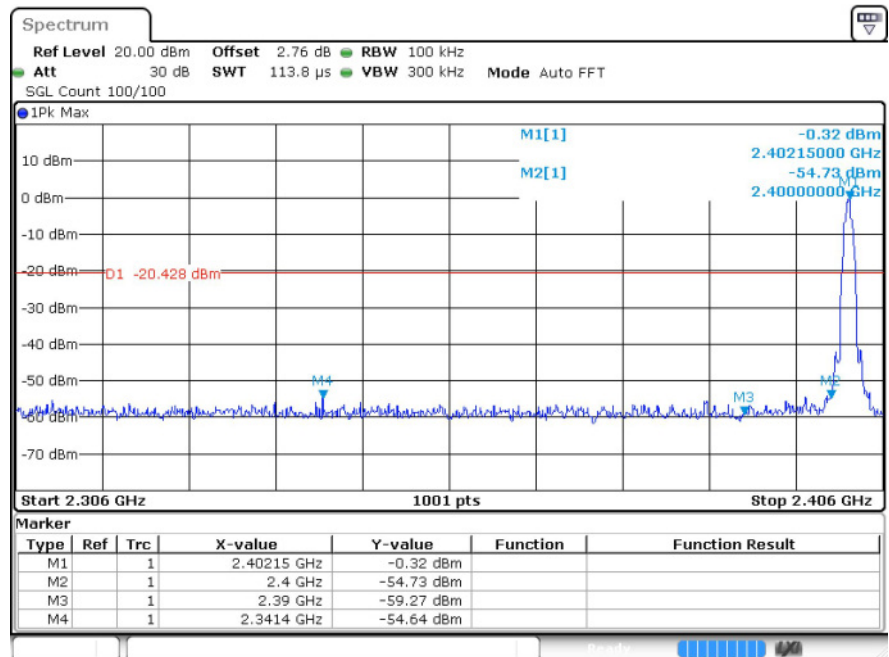
Ref


 $\pi/4$ DQPSK/HCH/Hop


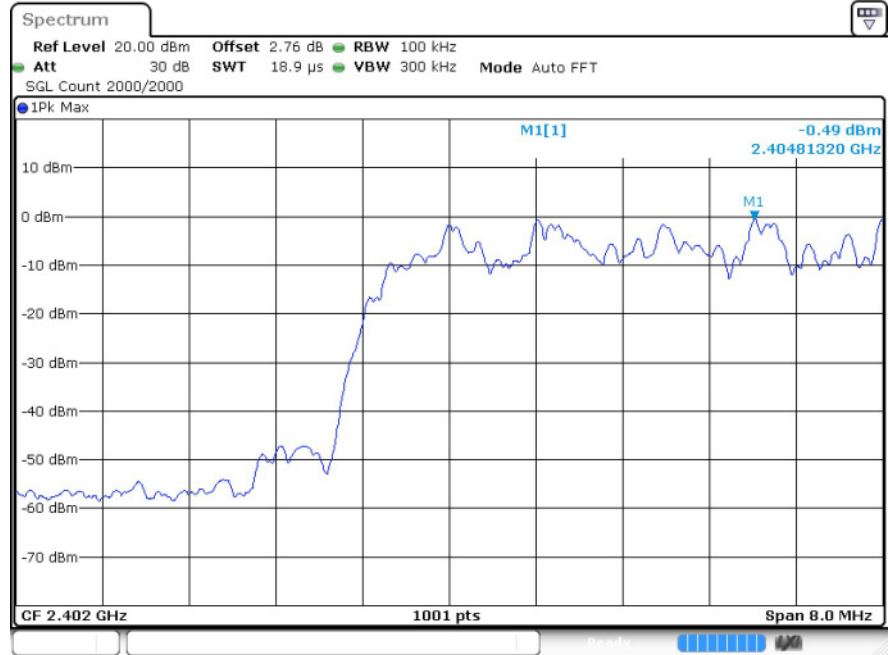
Ref



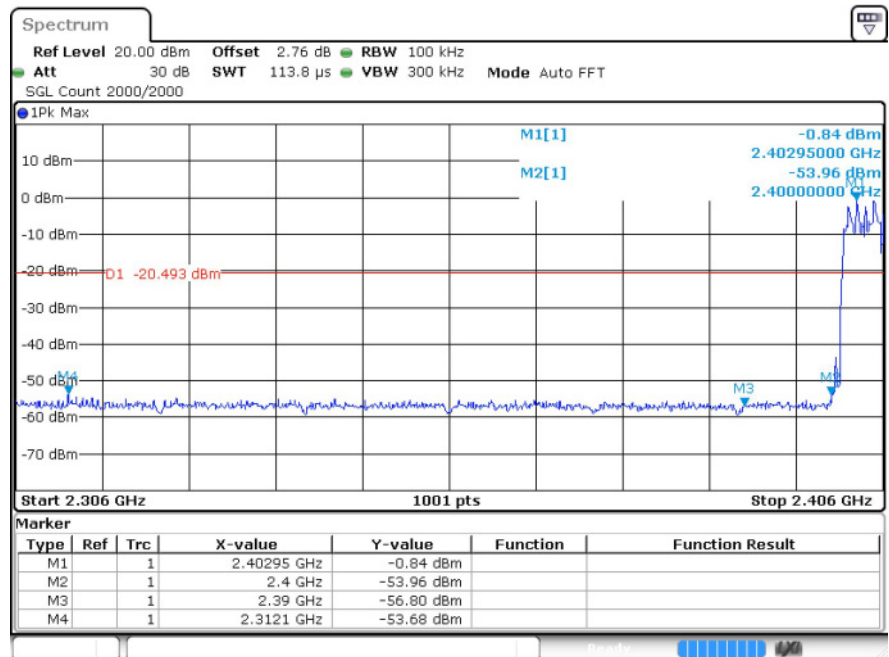
8DPSK/LCH/No Hop



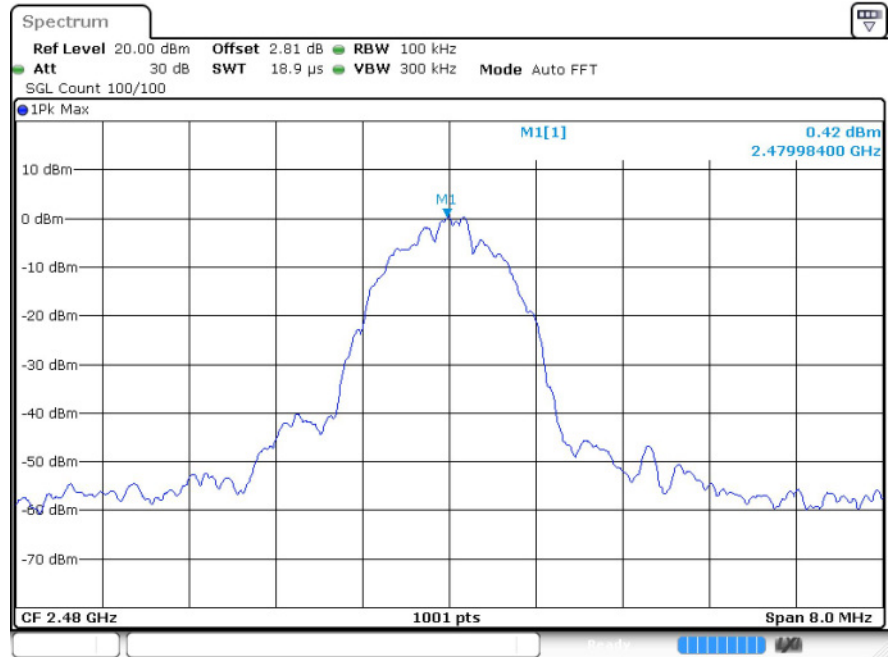
Ref



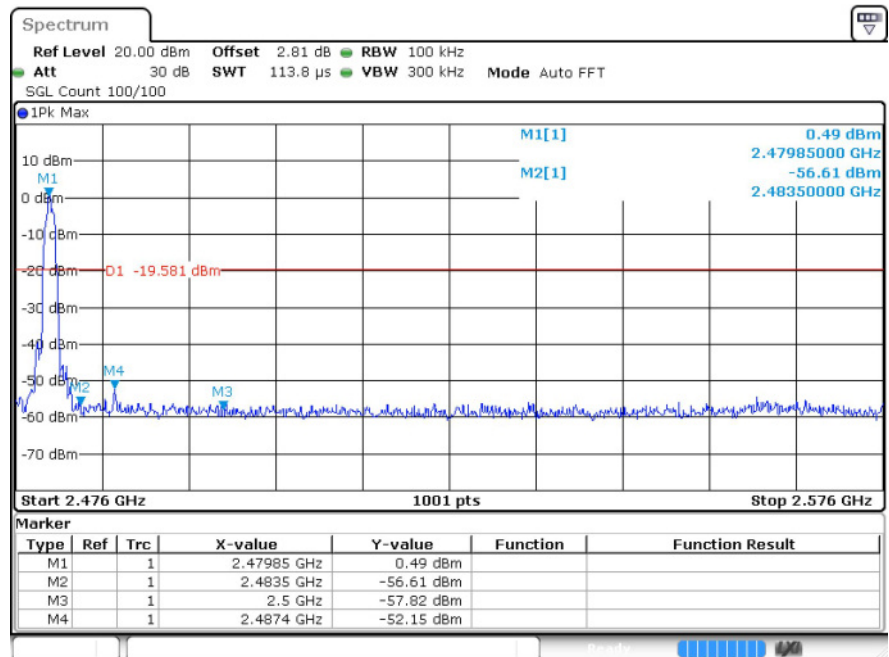
8DPSK/LCH/Hop



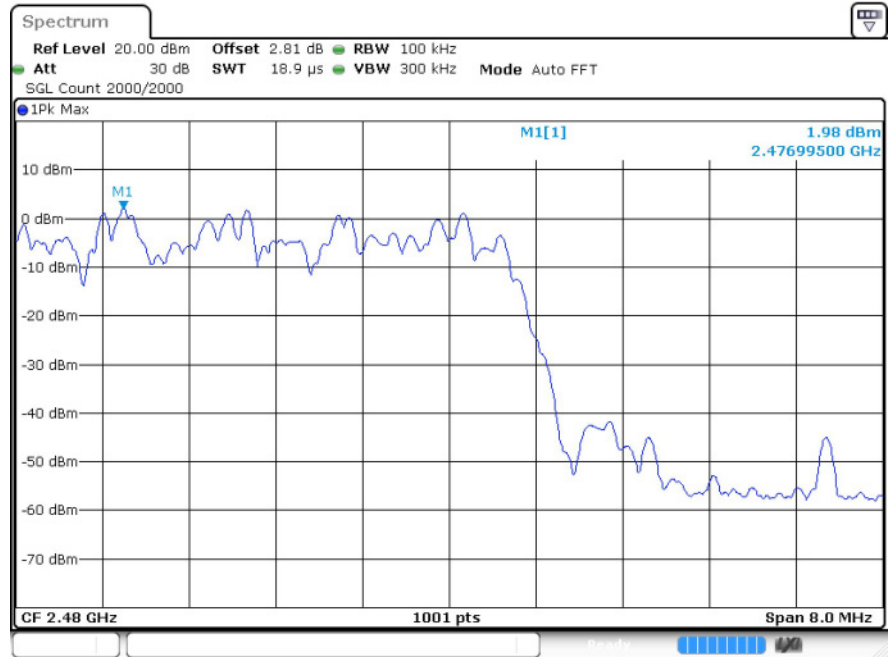
Ref



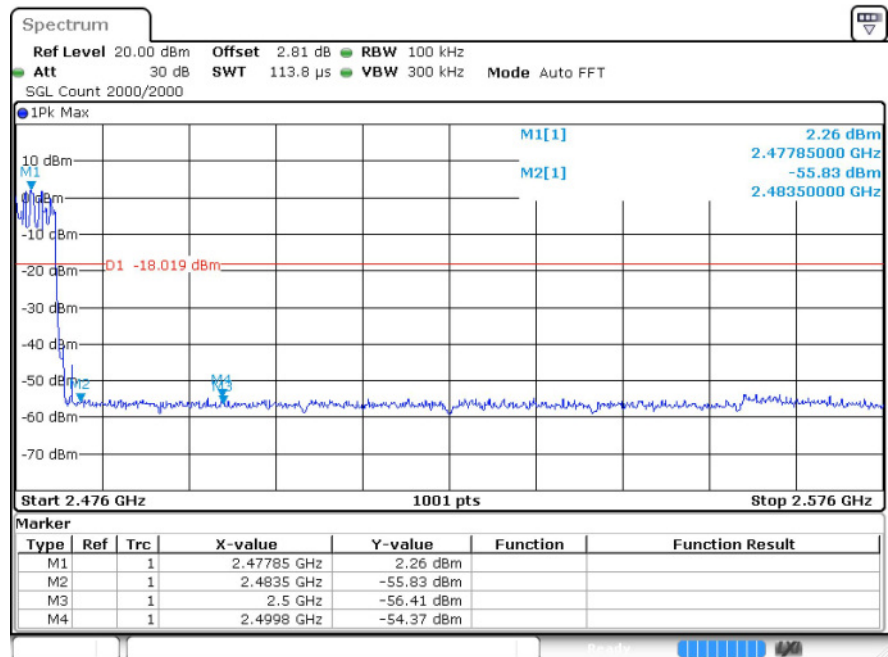
8DPSK/HCH/No Hop



Ref



8DPSK/HCH/Hop



## 9 Restrict-band band-edge measurements

### 9.1 Test Result

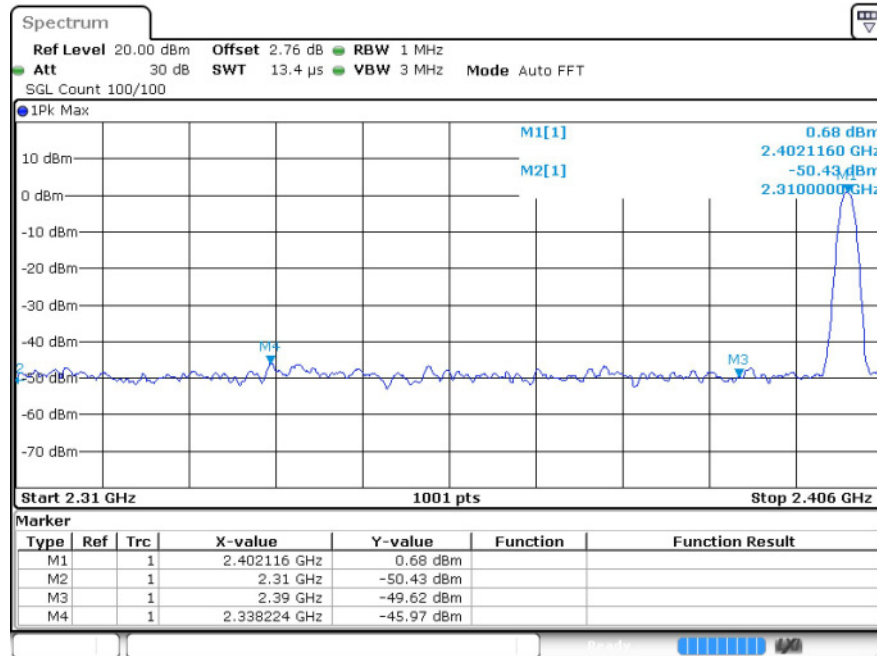
| Test Mode     | Hopping | Freq.    | Power [dBm] | Gain | Duty Factor | E [dBuV/m] | Detector | Limit [dBuV/m] | Verdict |
|---------------|---------|----------|-------------|------|-------------|------------|----------|----------------|---------|
| GFSK          | Off     | 2310.0   | -50.43      | 2.81 | -           | 47.64      | PEAK     | 74             | Pass    |
|               | Off     | 2310.0   | -56.23      | 2.81 | 5.06        | 46.9       | AV       | 54             | Pass    |
|               | Off     | 2338.224 | -45.96      | 2.81 | -           | 52.11      | PEAK     | 74             | Pass    |
|               | Off     | 2344.368 | -54.02      | 2.81 | 5.06        | 49.11      | AV       | 54             | Pass    |
|               | Off     | 2390.0   | -49.62      | 2.81 | -           | 48.45      | PEAK     | 74             | Pass    |
|               | Off     | 2390.0   | -56.62      | 2.81 | 5.06        | 46.51      | AV       | 54             | Pass    |
|               | Off     | 2483.5   | -48.22      | 2.81 | -           | 49.85      | PEAK     | 74             | Pass    |
|               | Off     | 2483.5   | -56.04      | 2.81 | 4.97        | 47         | AV       | 54             | Pass    |
|               | Off     | 2483.992 | -46.12      | 2.81 | -           | 51.95      | PEAK     | 74             | Pass    |
|               | Off     | 2487.136 | -54.75      | 2.81 | 4.97        | 48.29      | AV       | 54             | Pass    |
|               | Off     | 2500.0   | -47.25      | 2.81 | -           | 50.82      | PEAK     | 74             | Pass    |
|               | Off     | 2500.0   | -56.15      | 2.81 | 4.97        | 46.89      | AV       | 54             | Pass    |
| $\pi/4$ DQPSK | Off     | 2310.0   | -44.24      | 2.81 | -           | 53.83      | PEAK     | 74             | Pass    |
|               | Off     | 2310.0   | -56.09      | 2.81 | 4.91        | 46.89      | AV       | 54             | Pass    |
|               | Off     | 2310.096 | -44.12      | 2.81 | -           | 53.95      | PEAK     | 74             | Pass    |
|               | Off     | 2341.776 | -53.96      | 2.81 | 4.91        | 49.02      | AV       | 54             | Pass    |
|               | Off     | 2390.0   | -48.46      | 2.81 | -           | 49.61      | PEAK     | 74             | Pass    |
|               | Off     | 2390.0   | -56.07      | 2.81 | 4.91        | 46.91      | AV       | 54             | Pass    |
|               | Off     | 2483.5   | -49.5       | 2.81 | -           | 48.57      | PEAK     | 74             | Pass    |
|               | Off     | 2483.5   | -55.9       | 2.81 | 4.95        | 47.12      | AV       | 54             | Pass    |
|               | Off     | 2487.424 | -44.2       | 2.81 | -           | 53.87      | PEAK     | 74             | Pass    |
|               | Off     | 2492.368 | -55.05      | 2.81 | 4.95        | 47.97      | AV       | 54             | Pass    |
|               | Off     | 2500.0   | -49.41      | 2.81 | -           | 48.66      | PEAK     | 74             | Pass    |
|               | Off     | 2500.0   | -56.03      | 2.81 | 4.95        | 46.99      | AV       | 54             | Pass    |
| 8DPSK         | Off     | 2310.0   | -47.51      | 2.81 | -           | 50.56      | PEAK     | 74             | Pass    |
|               | Off     | 2310.0   | -55.57      | 2.81 | 4.91        | 47.41      | AV       | 54             | Pass    |
|               | Off     | 2322.96  | -45.62      | 2.81 | -           | 52.45      | PEAK     | 74             | Pass    |
|               | Off     | 2338.032 | -53.93      | 2.81 | 4.91        | 49.05      | AV       | 54             | Pass    |



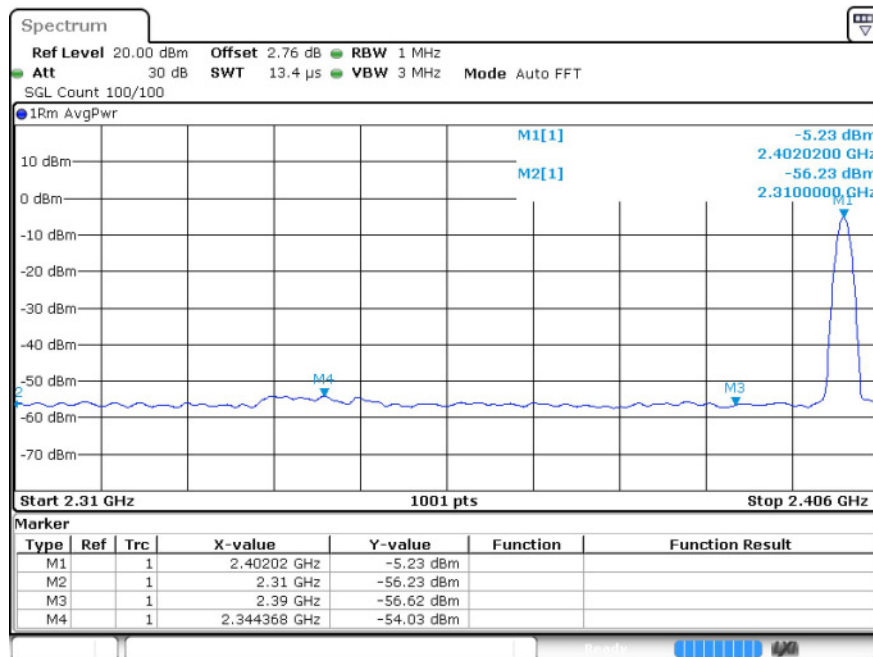
|     |          |        |      |      |       |      |    |      |
|-----|----------|--------|------|------|-------|------|----|------|
| Off | 2390.0   | -48.81 | 2.81 | -    | 49.26 | PEAK | 74 | Pass |
| Off | 2390.0   | -56.87 | 2.81 | 4.91 | 46.11 | AV   | 54 | Pass |
| Off | 2483.5   | -47.47 | 2.81 | -    | 50.6  | PEAK | 74 | Pass |
| Off | 2483.5   | -55.45 | 2.81 | 4.95 | 47.57 | AV   | 54 | Pass |
| Off | 2487.496 | -45.35 | 2.81 | -    | 52.72 | PEAK | 74 | Pass |
| Off | 2483.512 | -55.47 | 2.81 | 4.95 | 47.55 | AV   | 54 | Pass |
| Off | 2500.0   | -50.13 | 2.81 | -    | 47.94 | PEAK | 74 | Pass |
| Off | 2500.0   | -56.74 | 2.81 | 4.95 | 46.28 | AV   | 54 | Pass |

## 9.2 Test Graphs

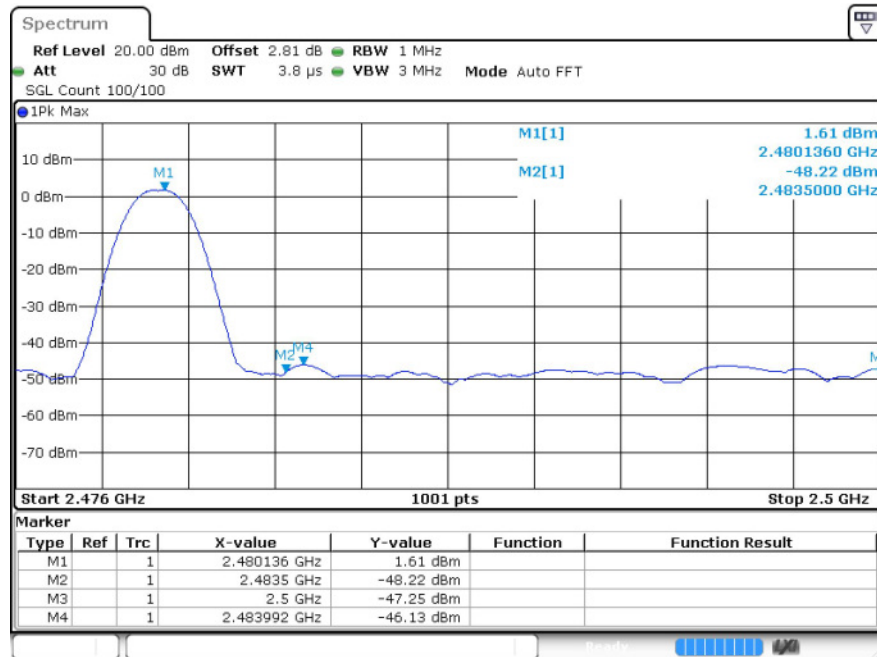
Restrict-band band-edge measurements\_Hopping Off\_ GFSK\_PEAK (Low Channel)



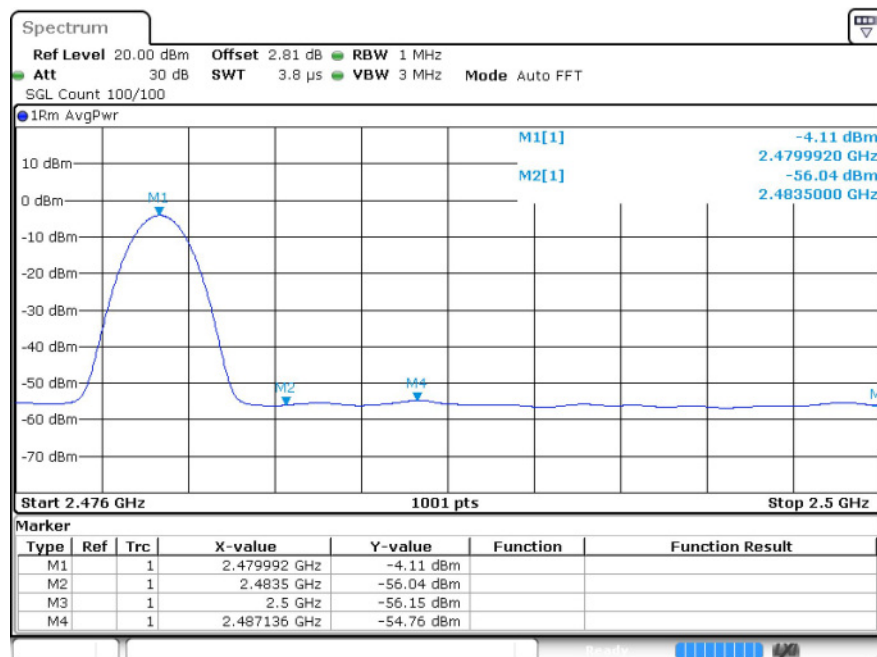
Restrict-band band-edge measurements\_Hopping Off\_ GFSK\_Average (Low Channel)



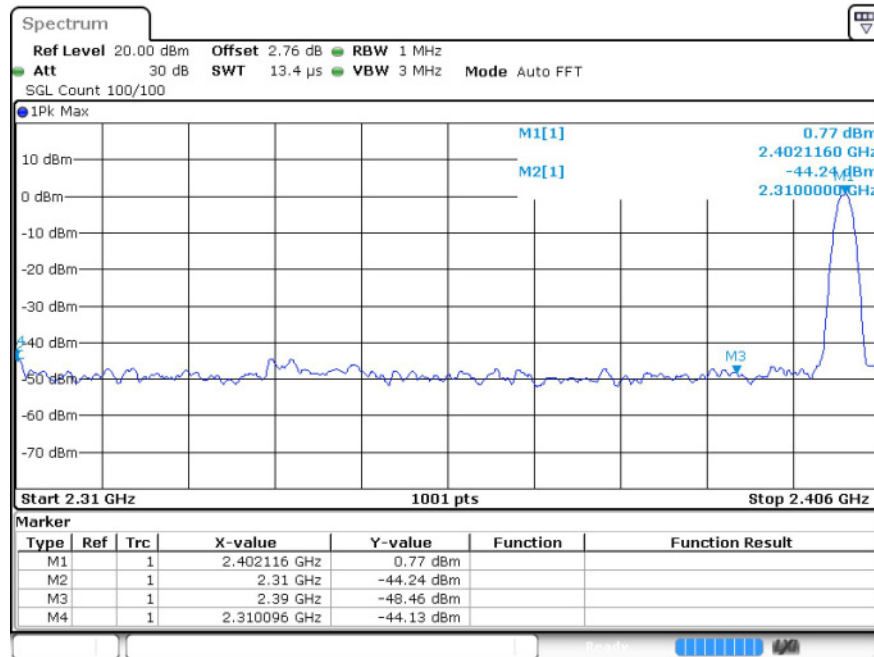
## Restrict-band band-edge measurements\_Hopping Off\_ GFSK\_PEAK (High Channel)



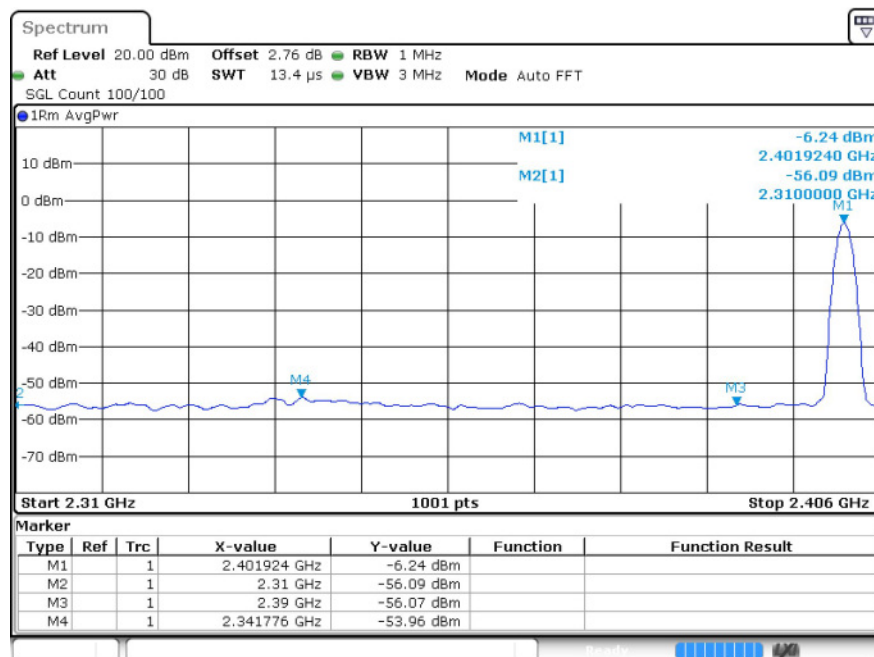
## Restrict-band band-edge measurements\_Hopping Off\_ GFSK\_Average (High Channel)



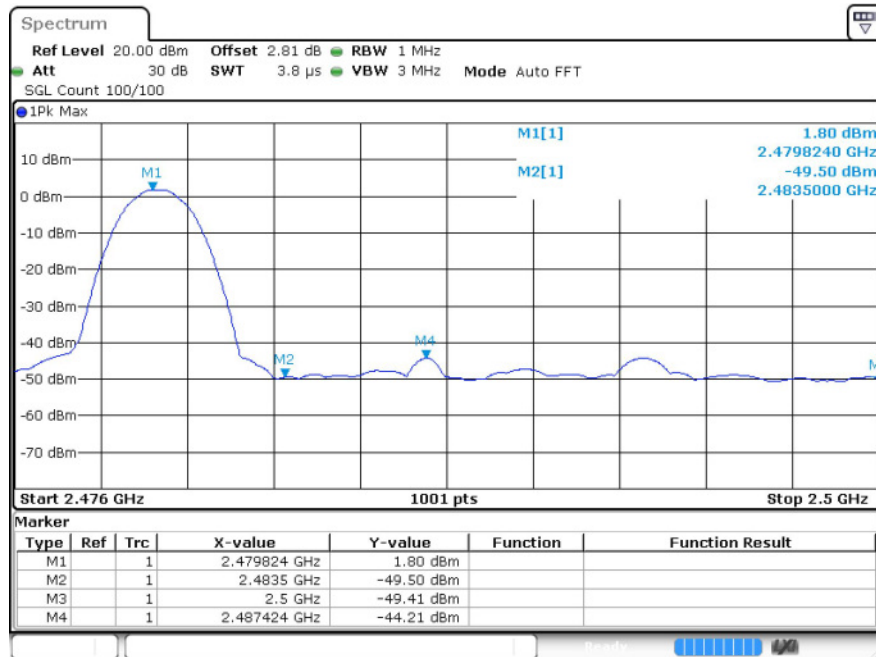
### Restrict-band band-edge measurements\_Hopping Off\_π/4-DQPSK\_PEAK (Low Channel)



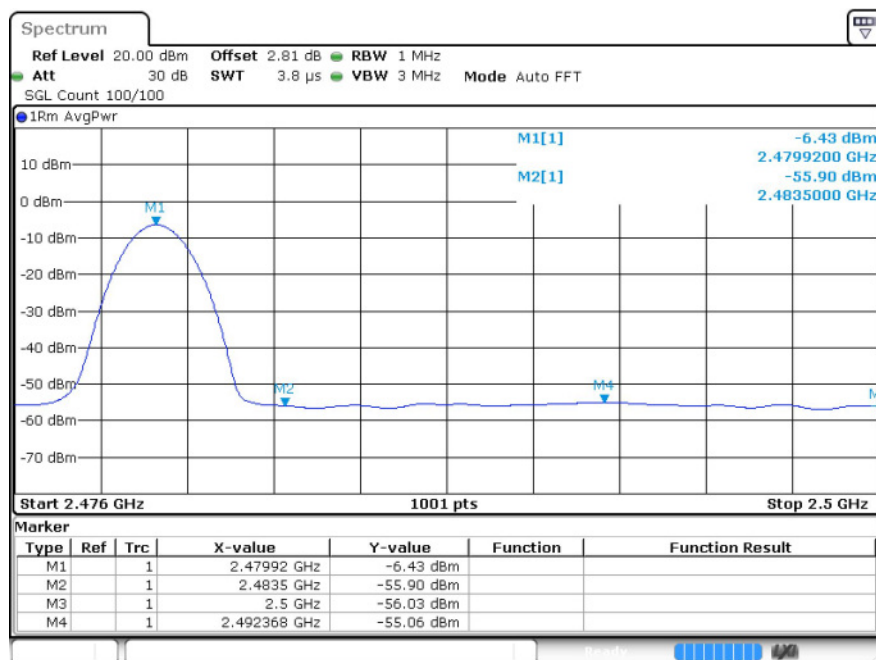
### Restrict-band band-edge measurements\_Hopping Off\_π/4-DQPSK\_Average (Low Channel)



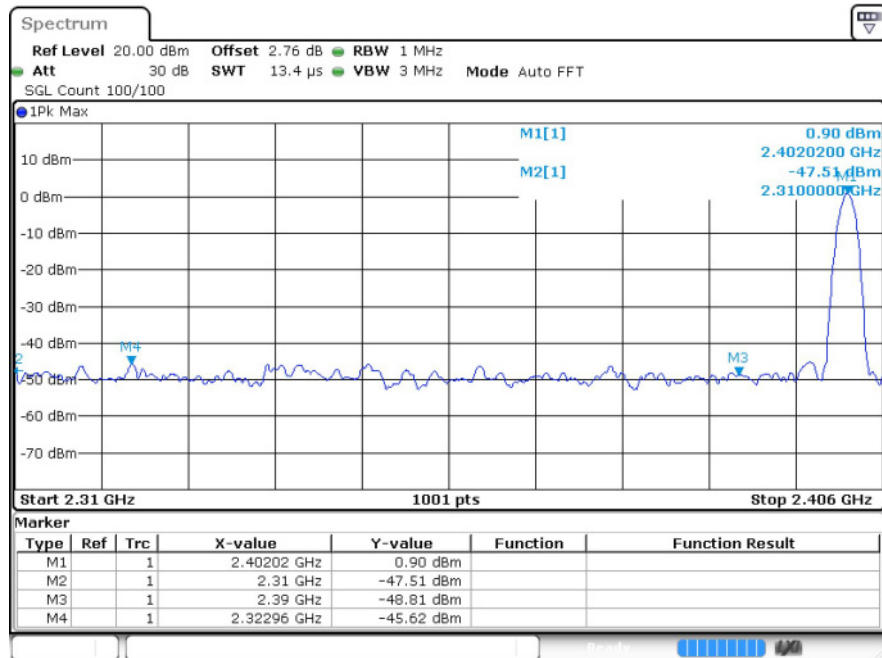
### Restrict-band band-edge measurements\_Hopping Off\_π/4-DQPSK\_PEAK (High Channel)



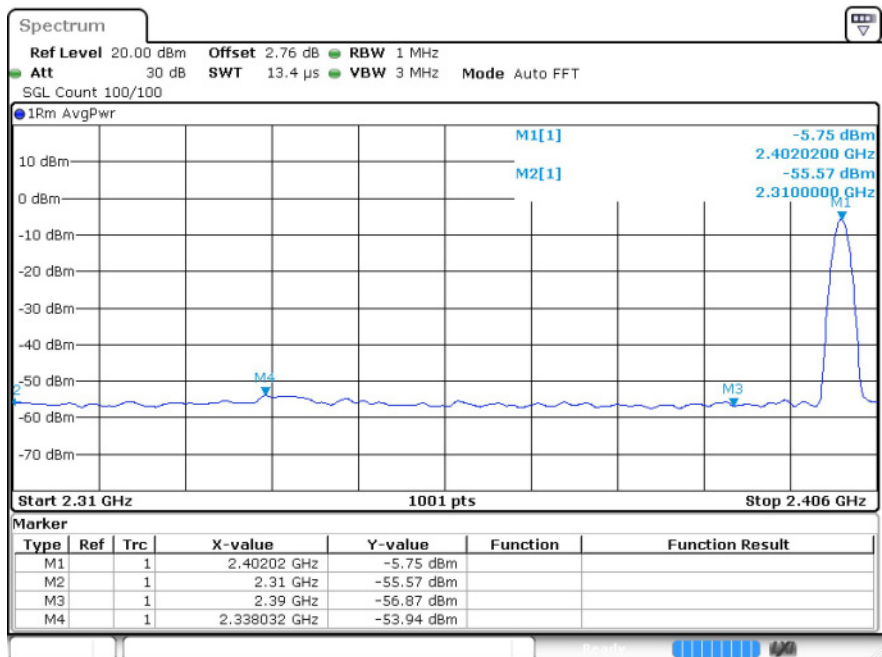
### Restrict-band band-edge measurements\_Hopping Off\_π/4-DQPSK\_Average (High Channel)



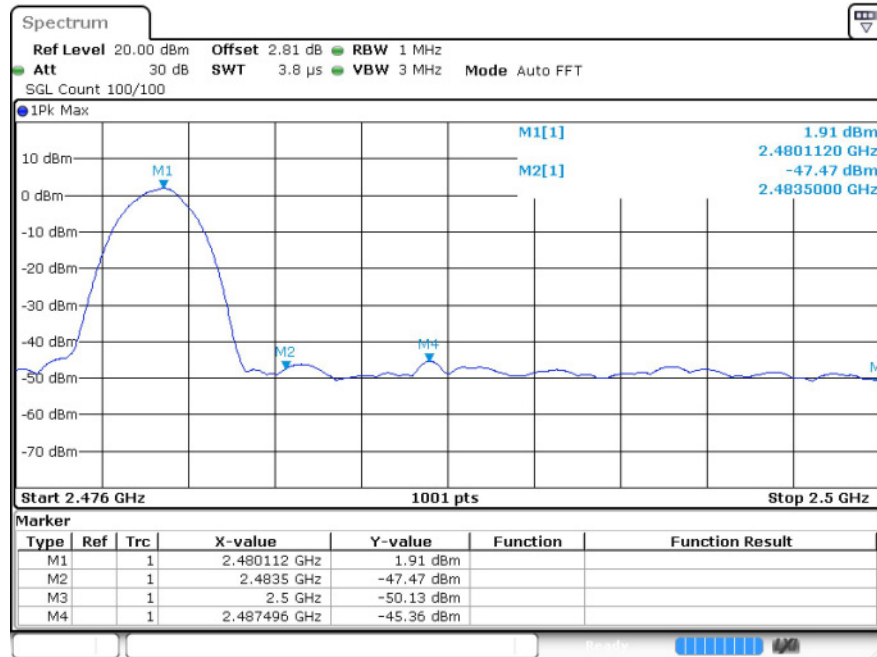
## Restrict-band band-edge measurements\_Hopping Off\_8DPSK\_PEAK (Low Channel)



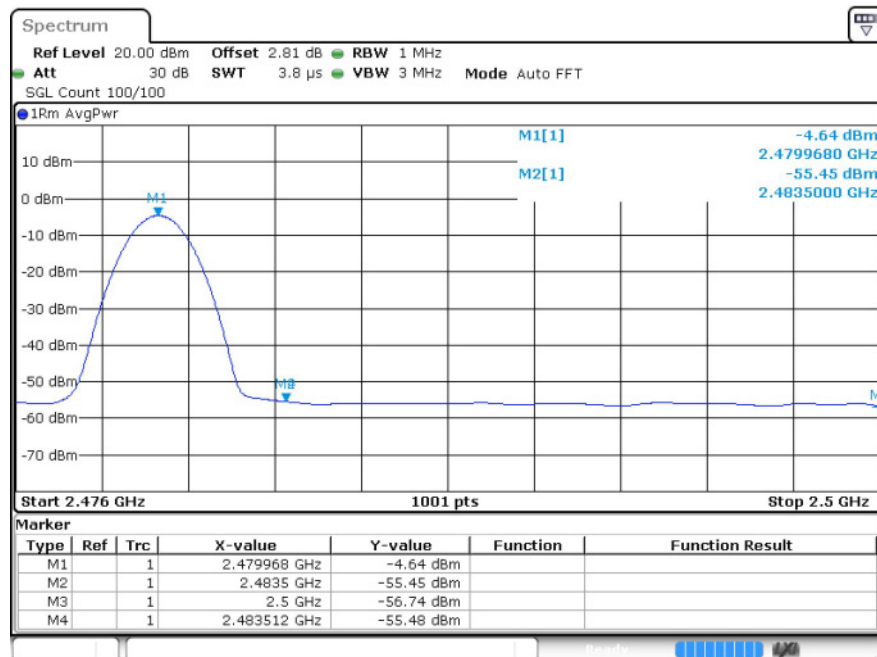
## Restrict-band band-edge measurements\_Hopping Off\_8DPSK\_Average (Low Channel)



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



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



---The End---