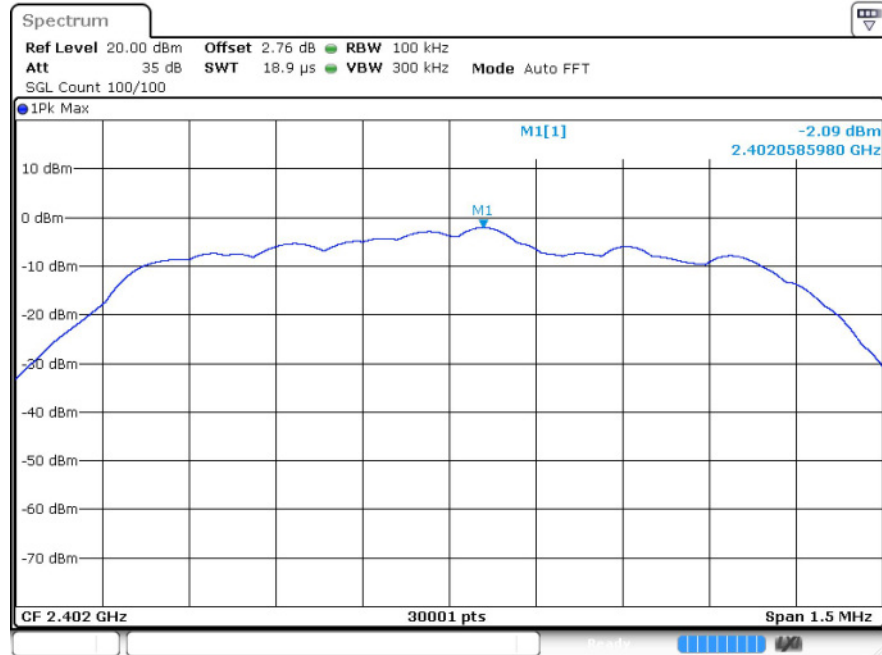
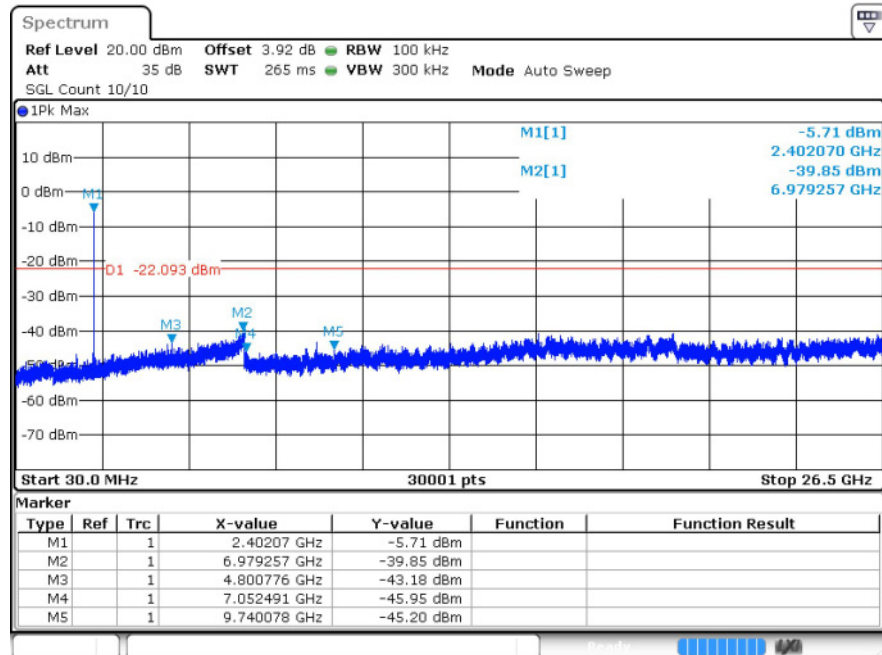


## 8DPSK\_LCH\_Graphs

Pref

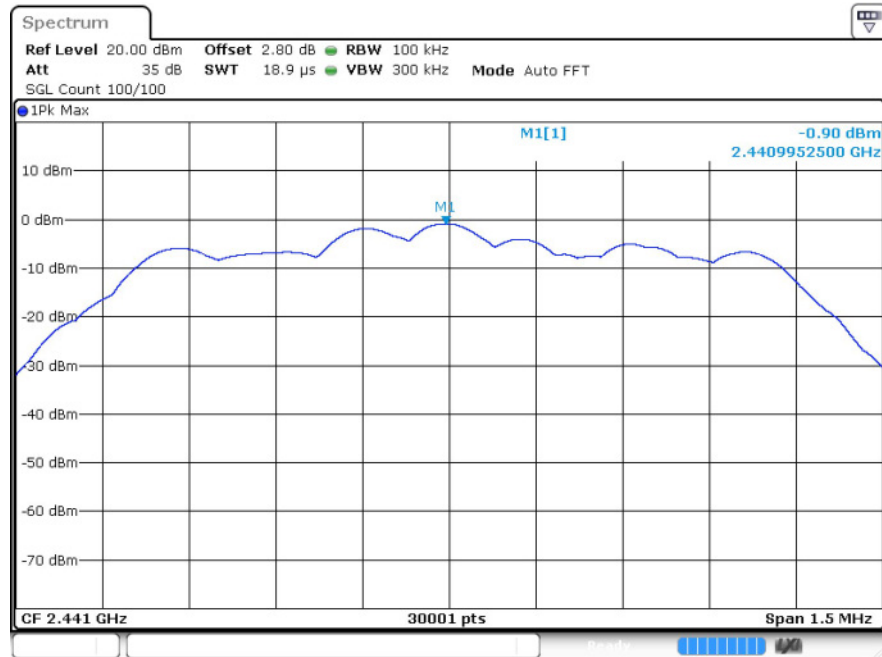


Puw

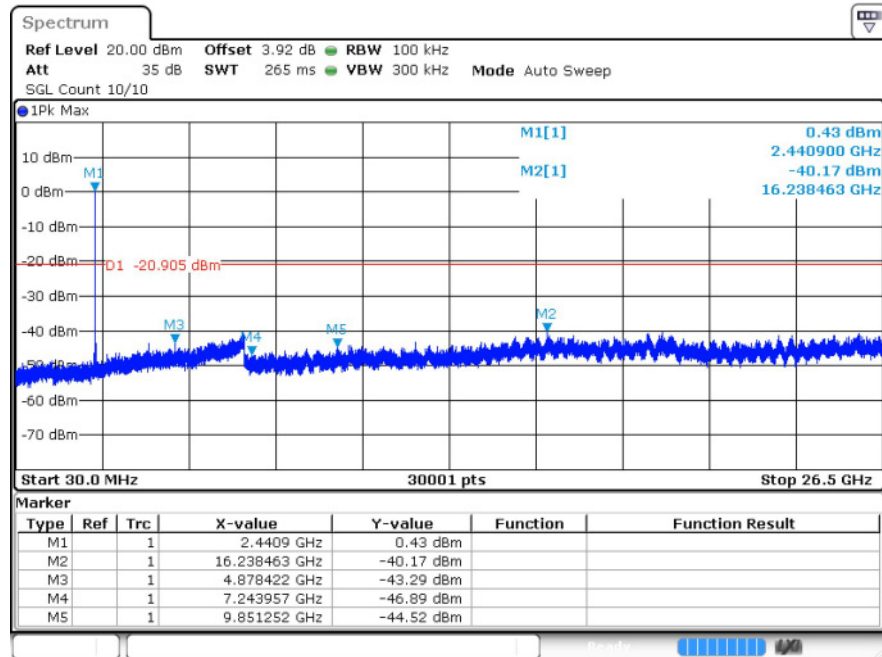


## 8DPSK\_MCH\_Graphs

Pref

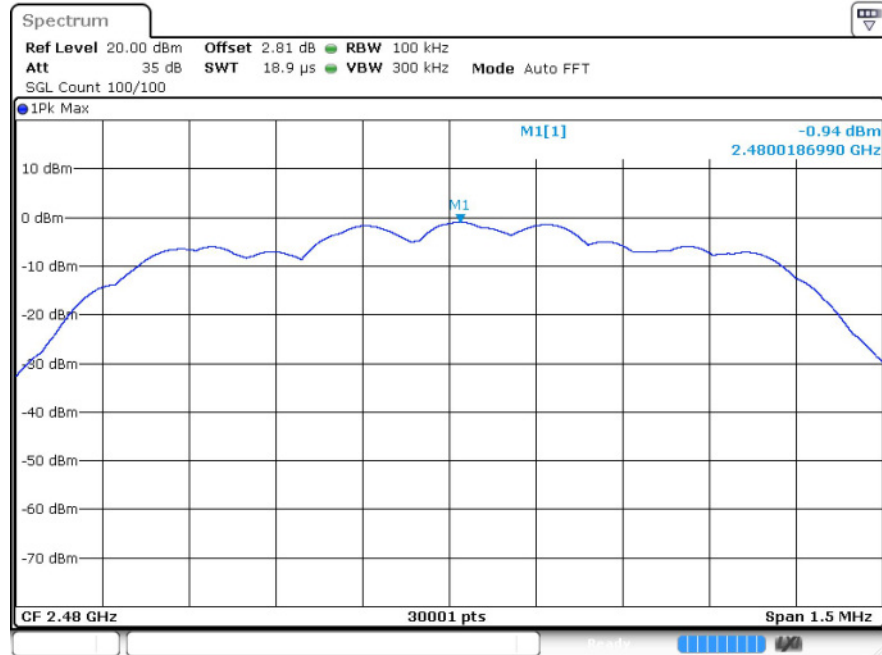


Puw

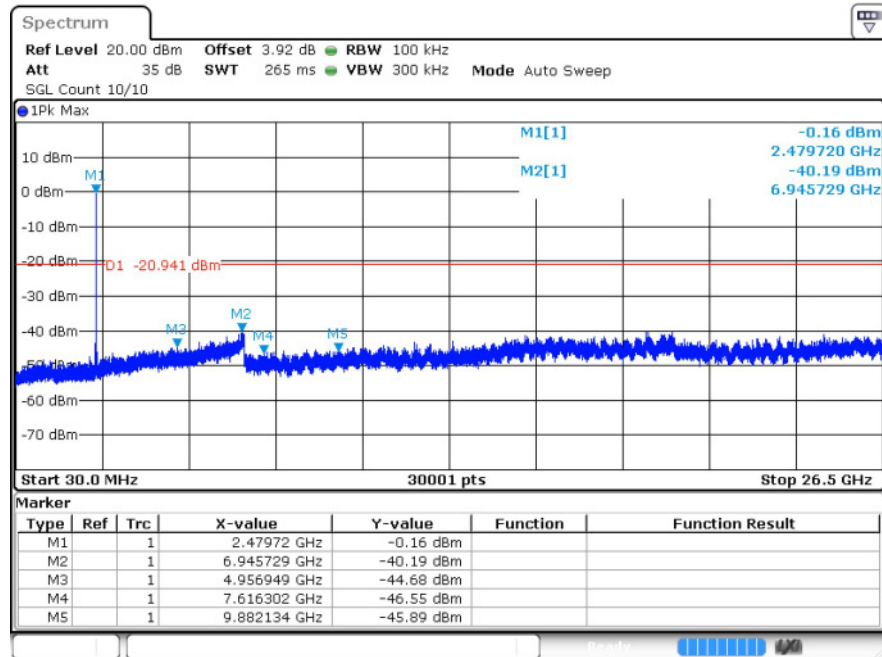


## 8DPSK\_HCH\_Graphs

Pref



Puw

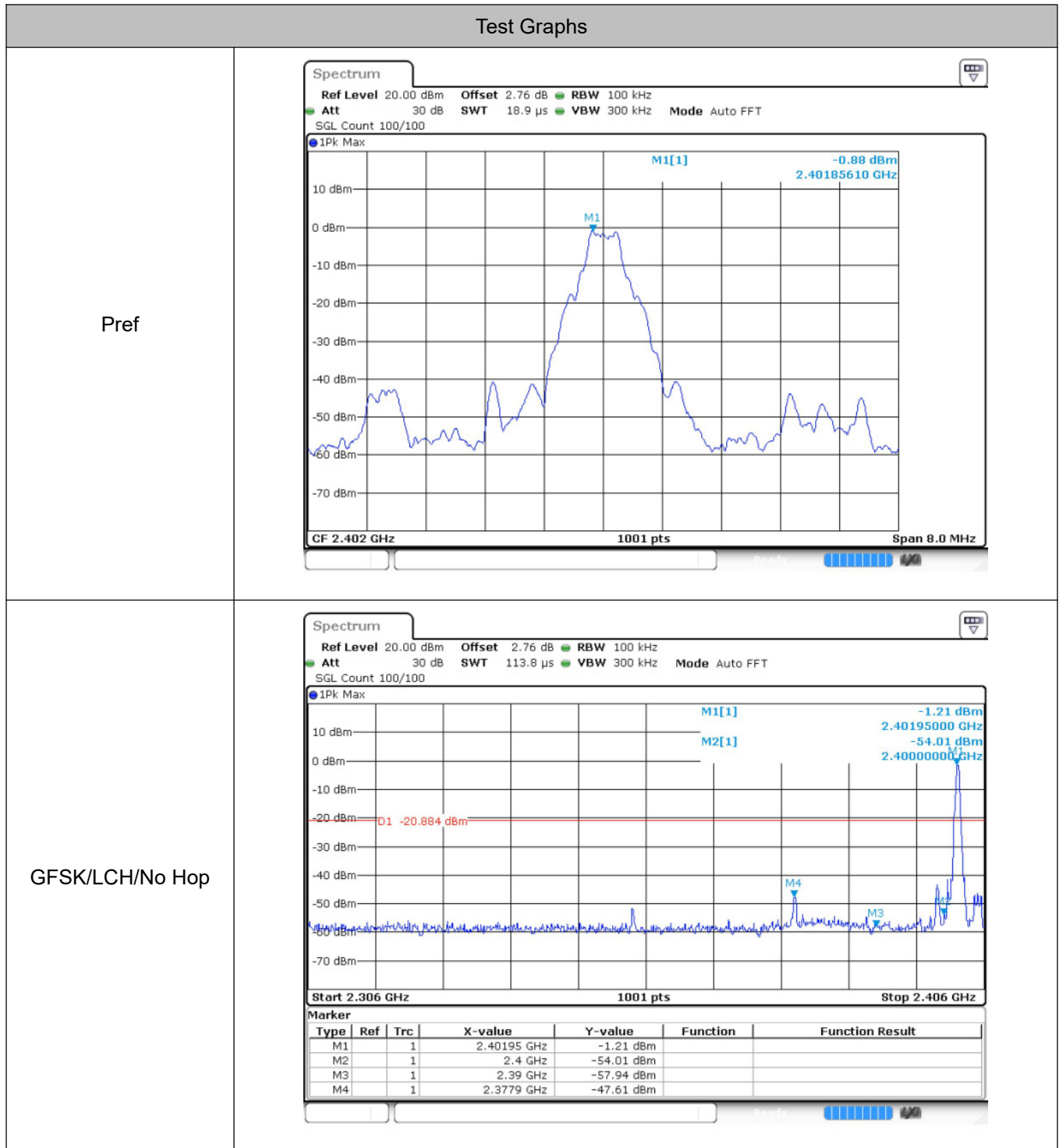


## 8 Band-edge for RF Conducted Emissions

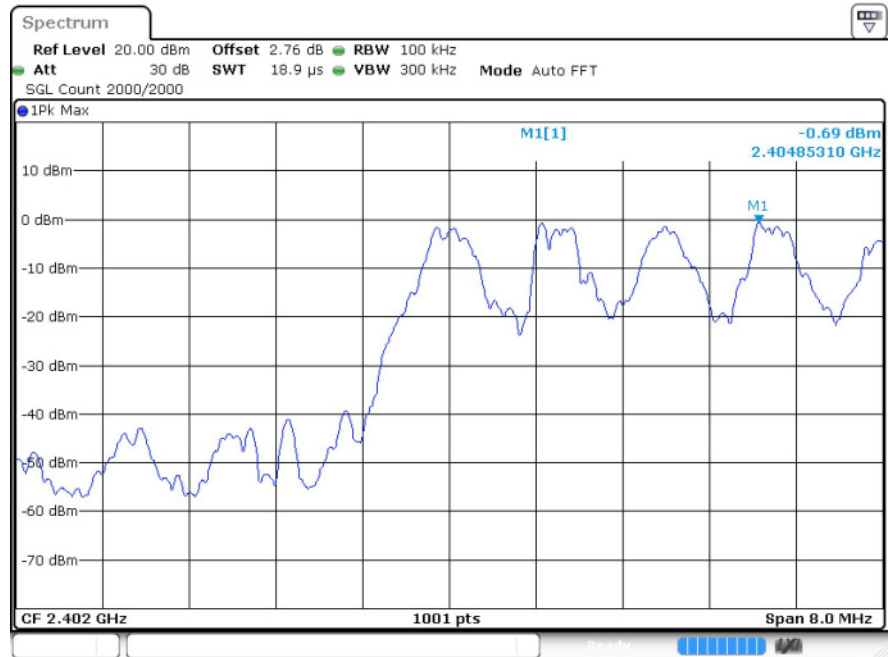
### 8.1 Test Result

| Mode          | Channel | Carrier Frequency [MHz] | Frequency Hopping | Max Spurious Level [dBc] | Limit [dBc] | Verdict |
|---------------|---------|-------------------------|-------------------|--------------------------|-------------|---------|
| GFSK          | LCH     | 2402                    | Off               | -46.72                   | -20         | Pass    |
|               |         |                         | On                | -45.92                   | -20         | Pass    |
|               | HCH     | 2480                    | Off               | -41.54                   | -20         | Pass    |
|               |         |                         | On                | -44.31                   | -20         | Pass    |
| $\pi/4$ DQPSK | LCH     | 2402                    | Off               | -47.25                   | -20         | Pass    |
|               |         |                         | On                | -46.39                   | -20         | Pass    |
|               | HCH     | 2480                    | Off               | -46.24                   | -20         | Pass    |
|               |         |                         | On                | -45.71                   | -20         | Pass    |
| 8DPSK         | LCH     | 2402                    | Off               | -46.18                   | -20         | Pass    |
|               |         |                         | On                | -46.1                    | -20         | Pass    |
|               | HCH     | 2480                    | Off               | -48.58                   | -20         | Pass    |
|               |         |                         | On                | -44.84                   | -20         | Pass    |

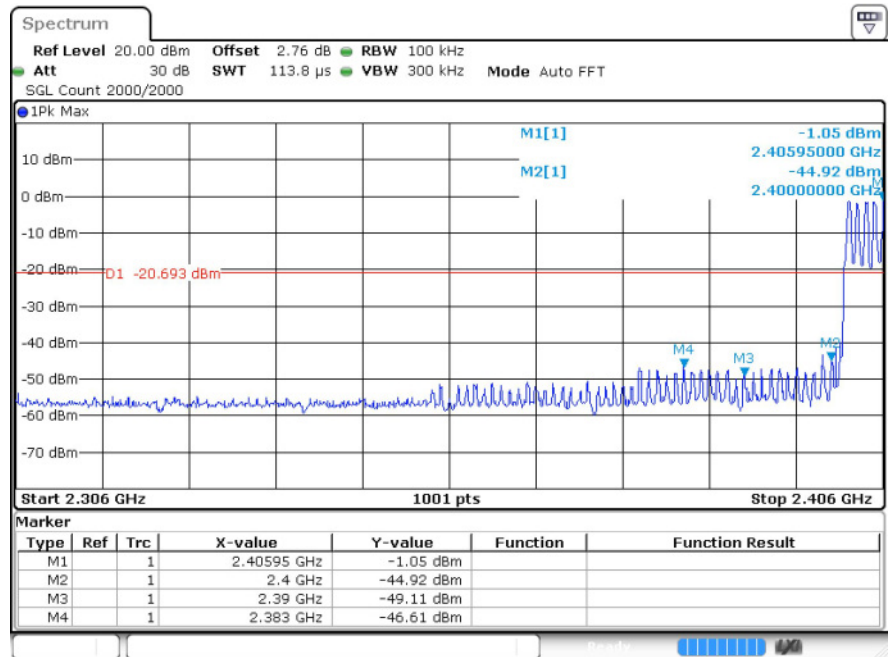
## 8.2 Test Graphs



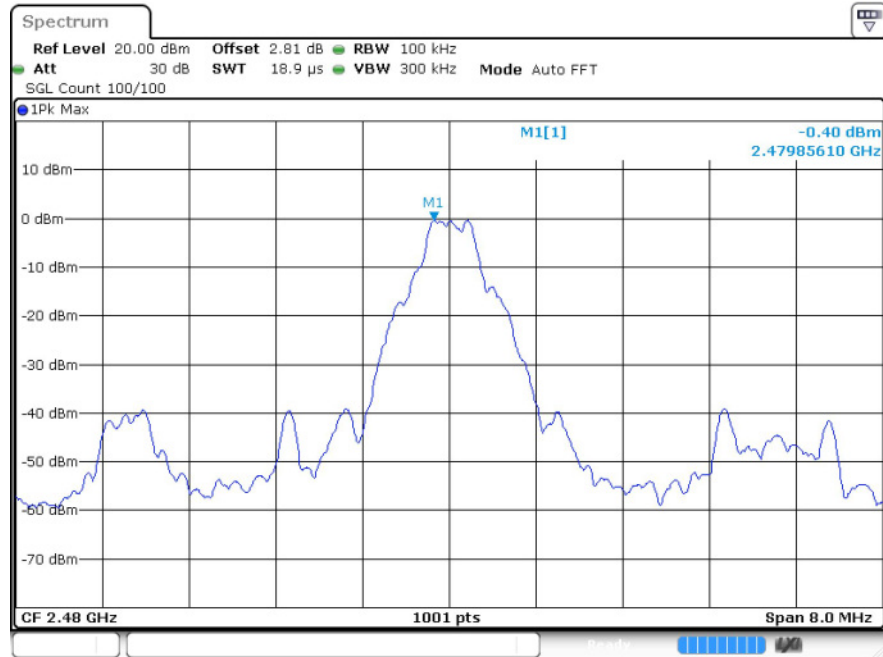
Ref



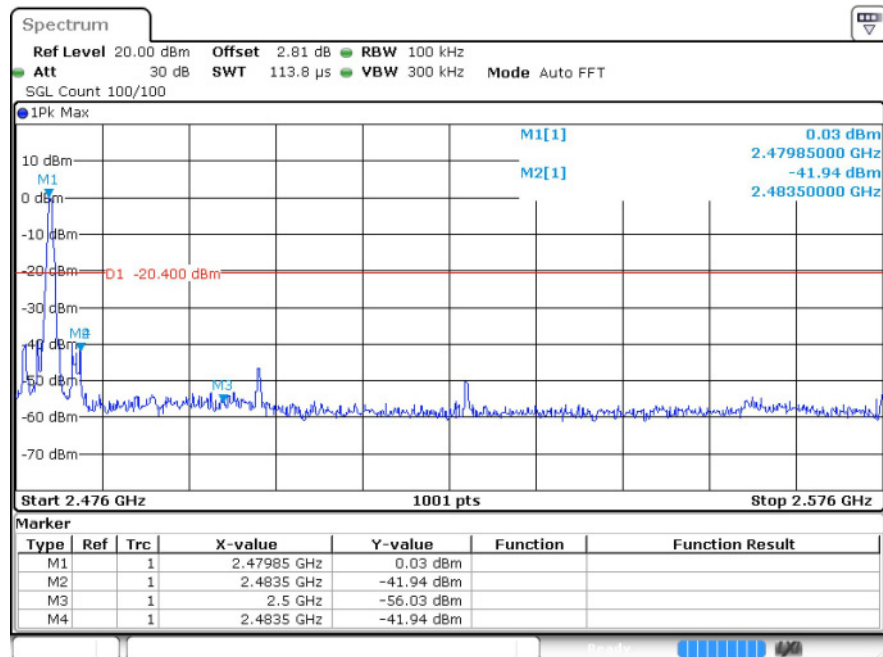
GFSK/LCH/Hop



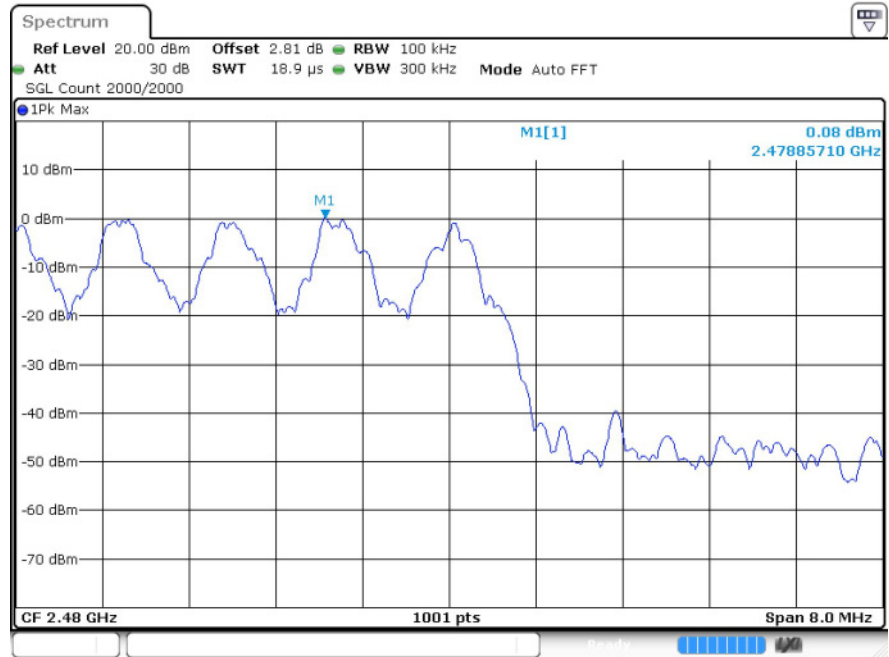
Ref



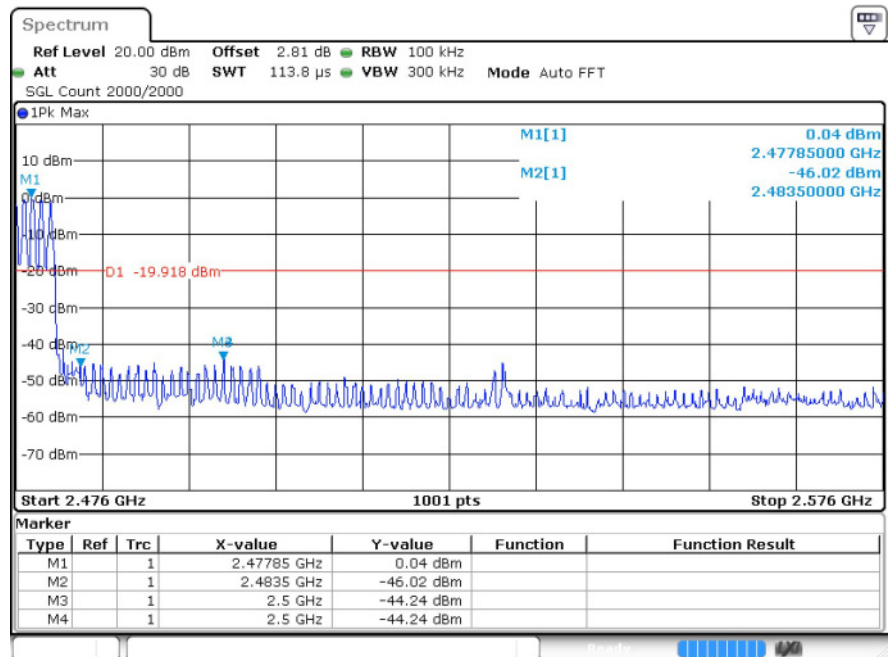
GFSK/HCH/No Hop



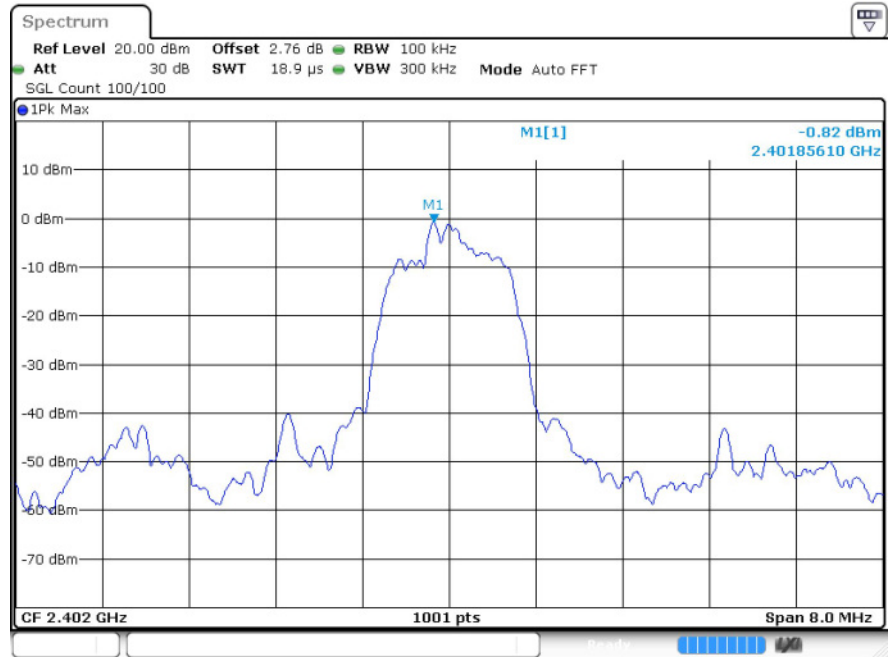
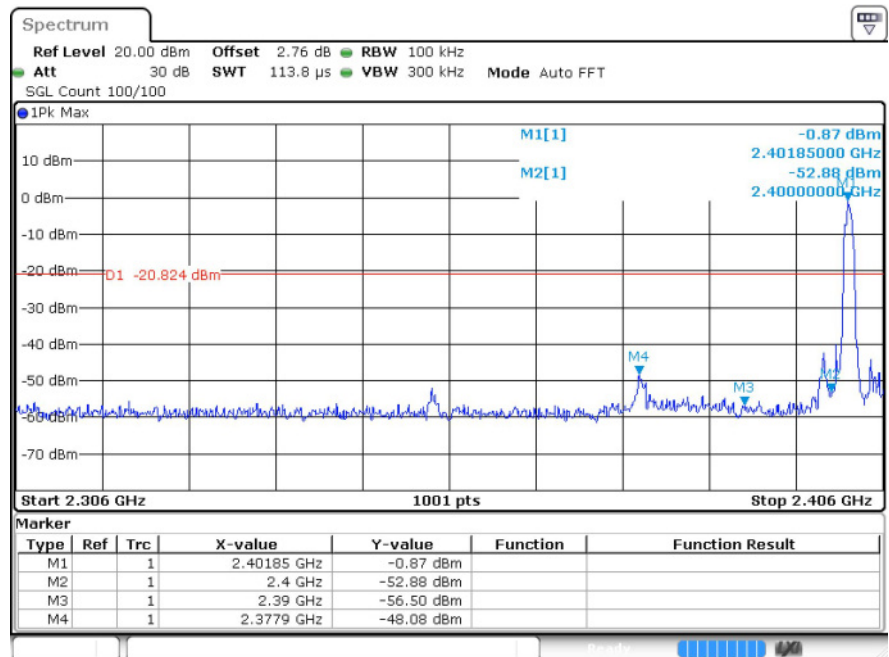
Ref.

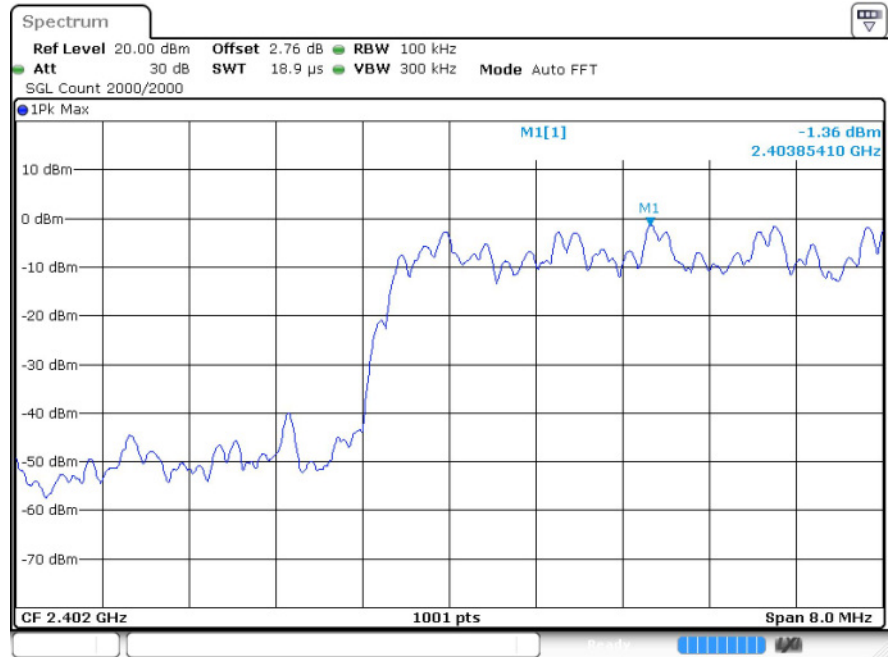


GFSK/HCH/Hop

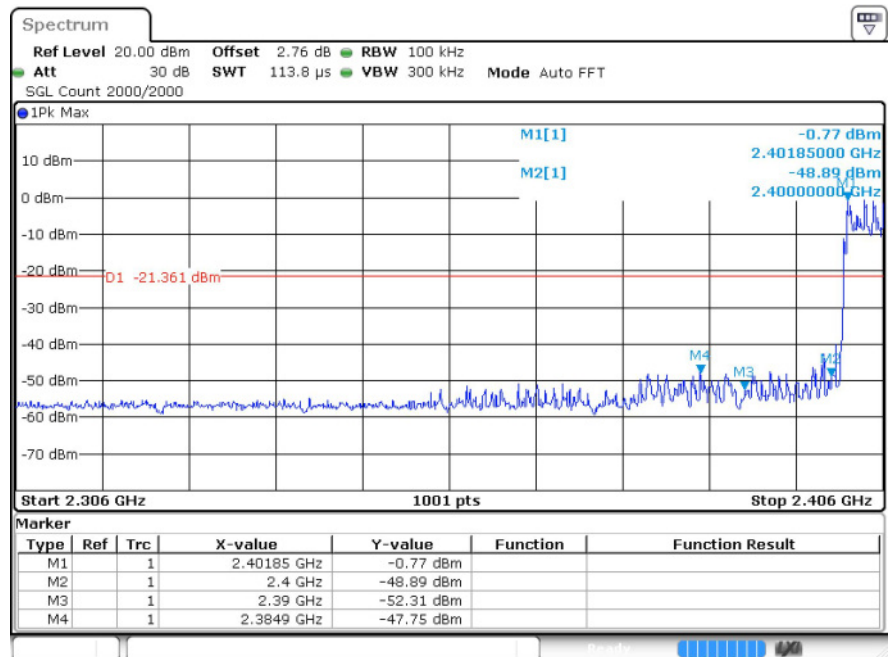


Ref

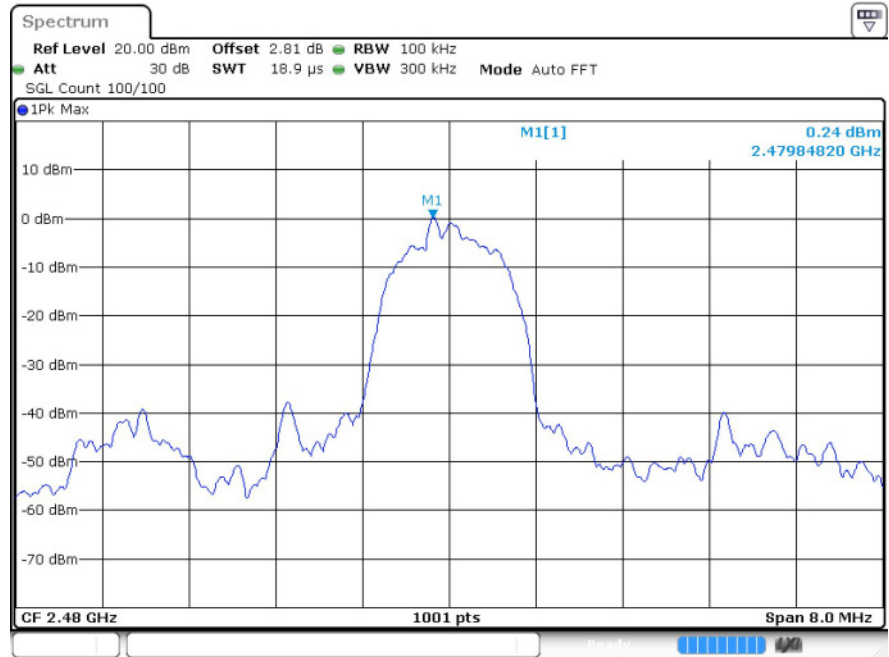
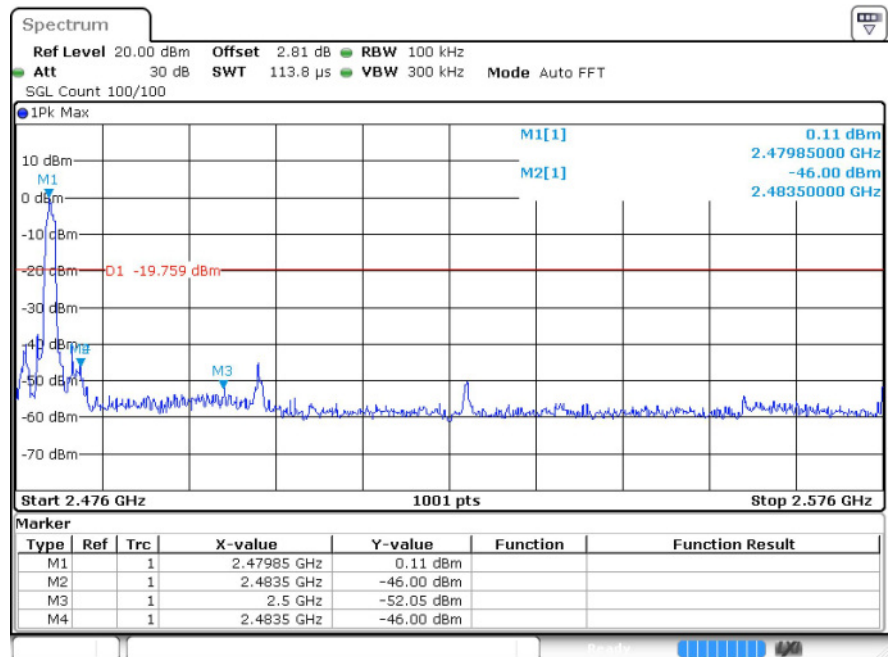

 $\pi/4$ DQPSK/LCH/No  
Hop




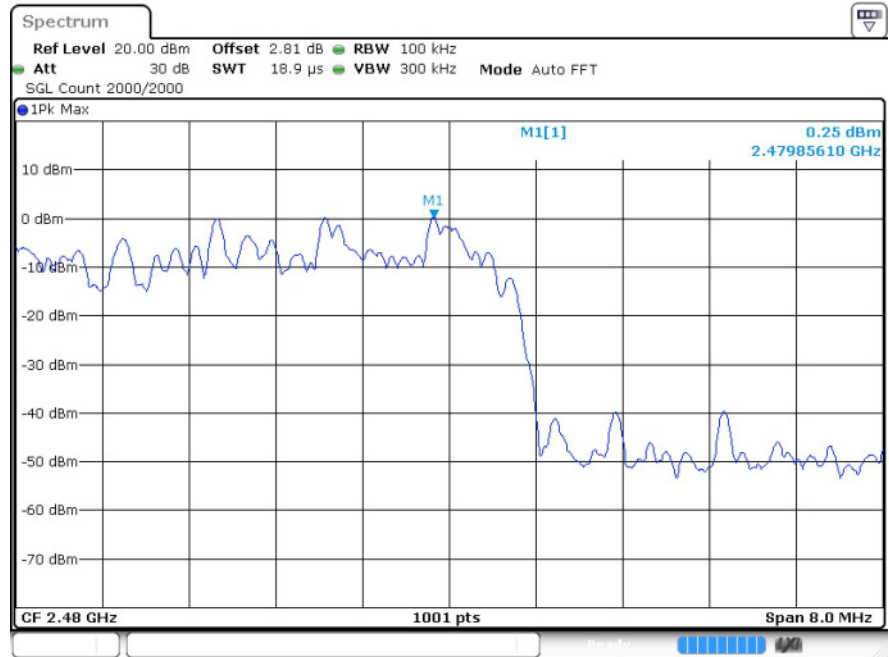
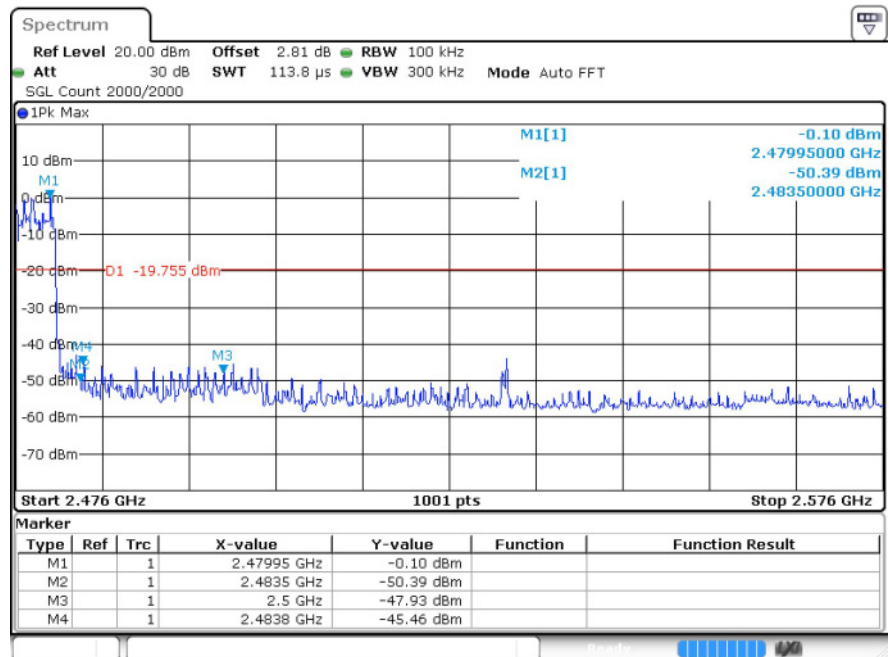
$\pi/4$ DQPSK/LCH/Hop



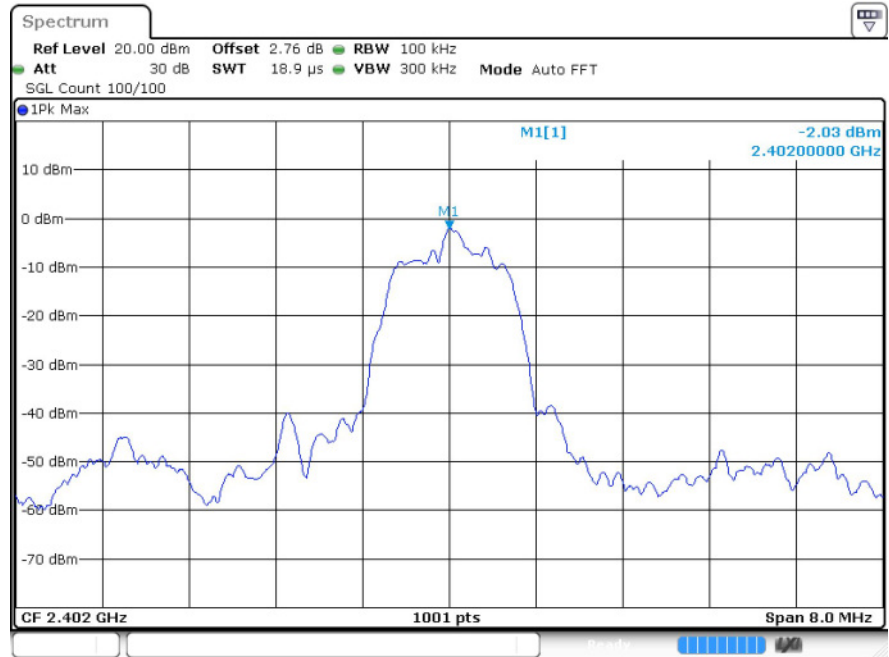
Ref


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


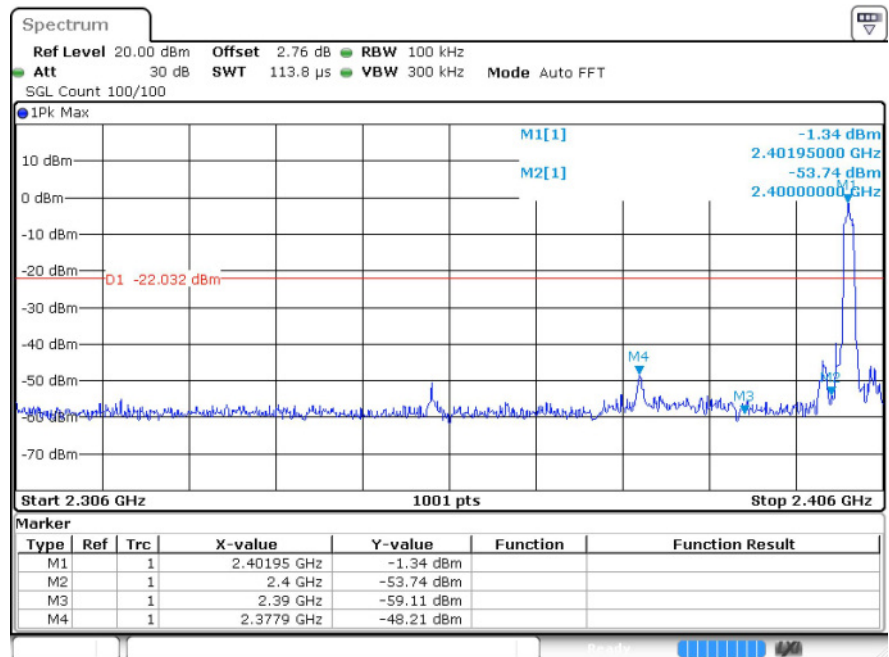
Ref


 $\pi/4$ DQPSK/HCH/Hop


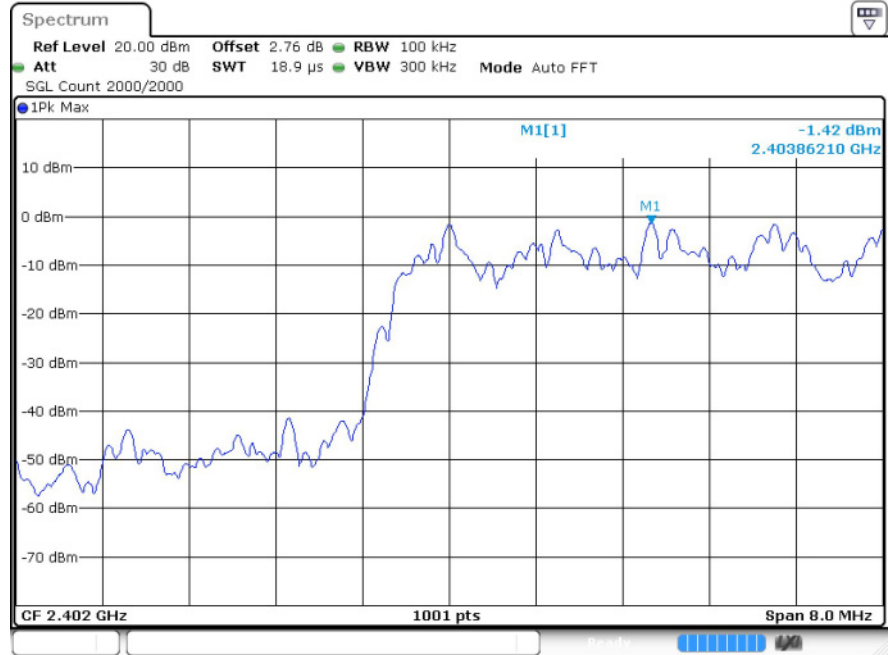
Ref



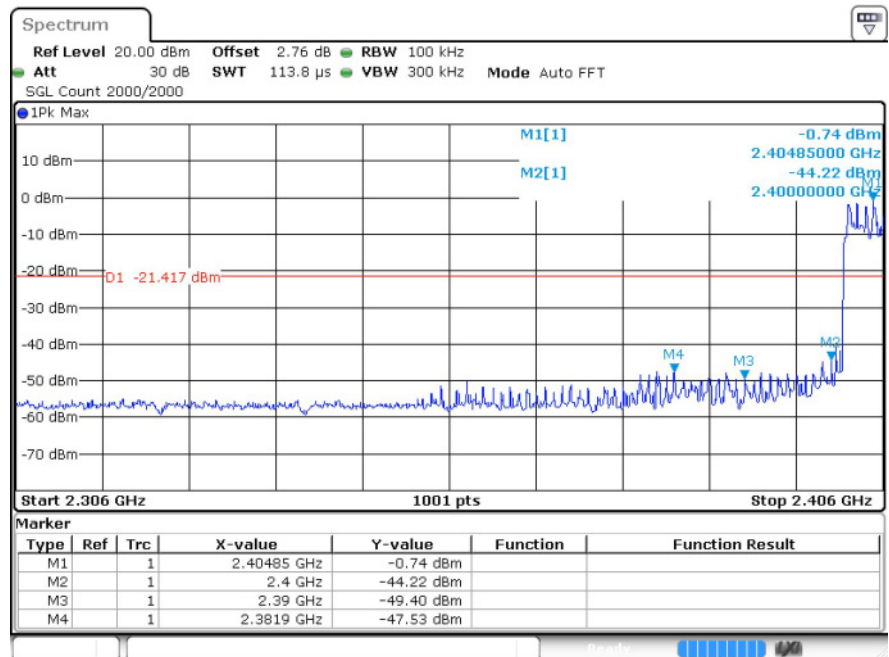
8DPSK/LCH/No Hop



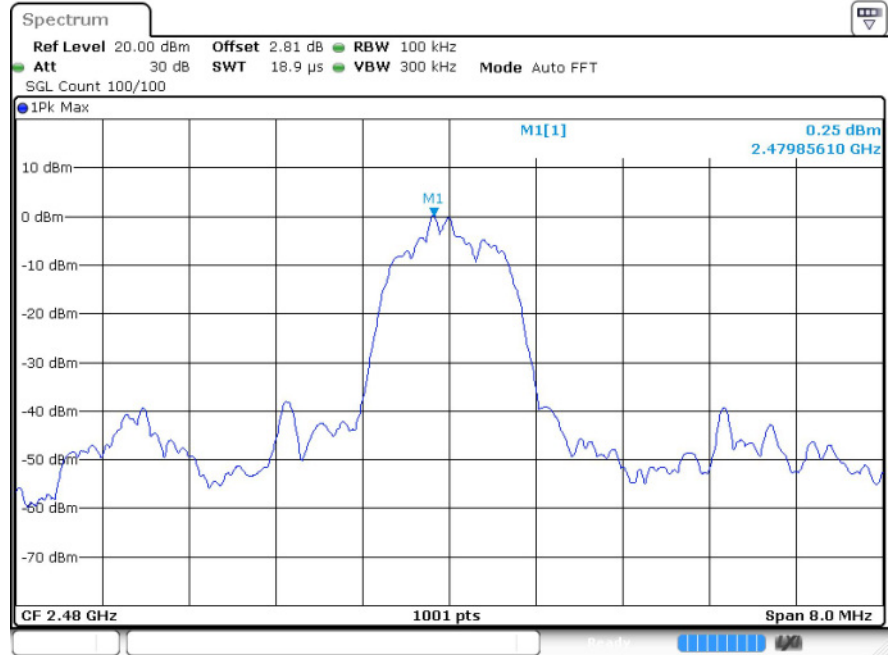
Ref



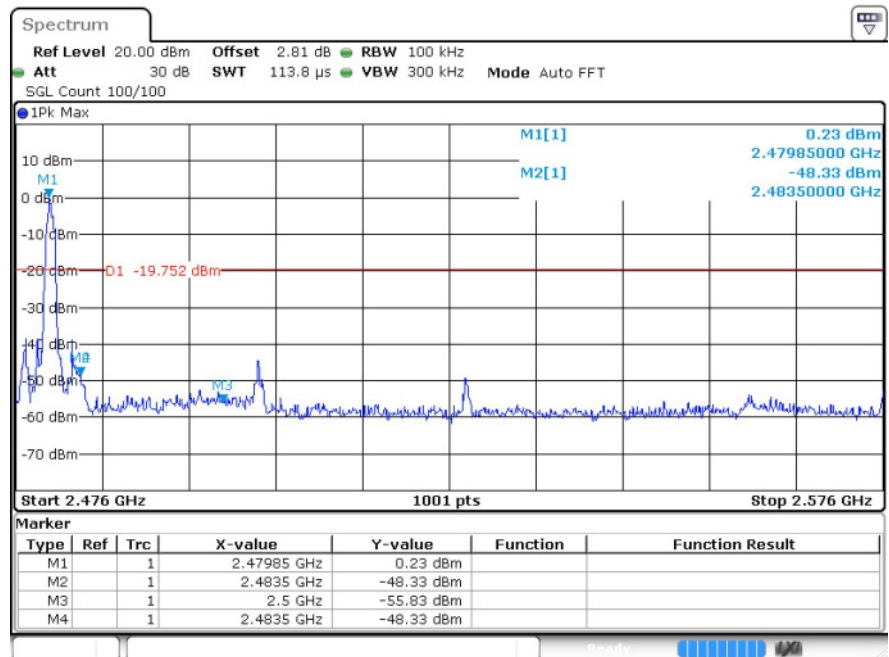
8DPSK/LCH/Hop



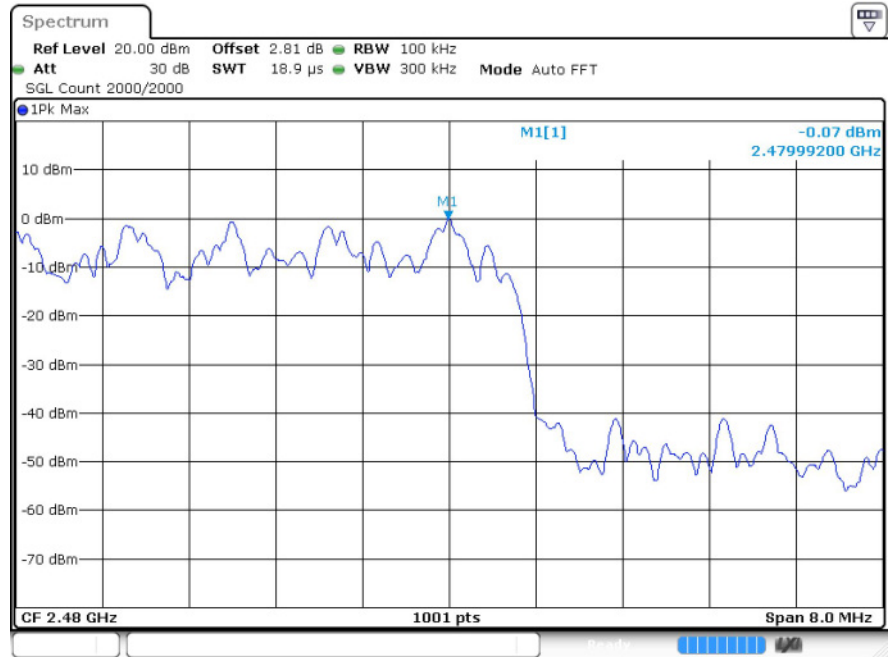
Ref



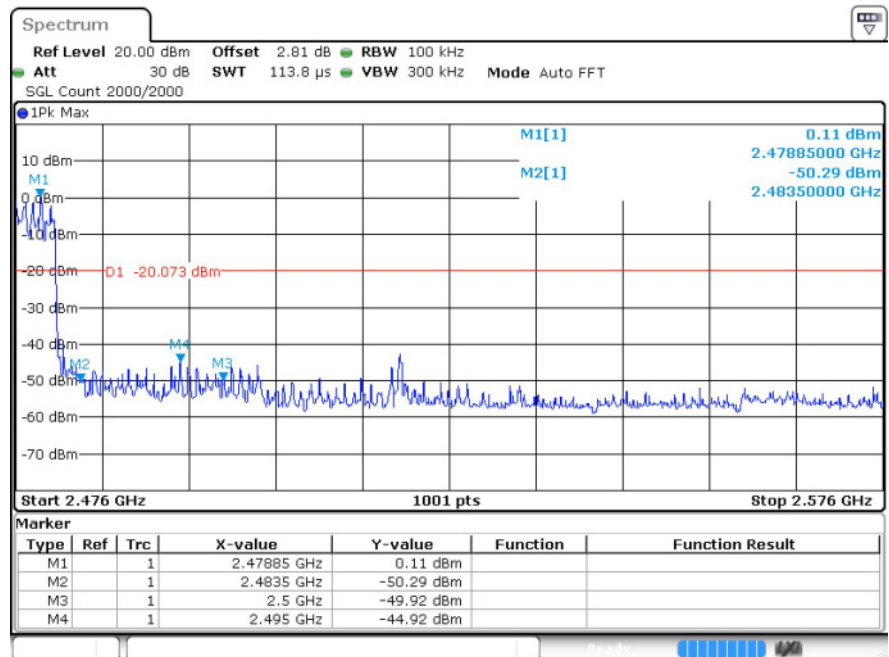
8DPSK/HCH/No Hop



Ref



8DPSK/HCH/Hop



## 9 Restrict-band band-edge measurements

### 9.1 Test Result

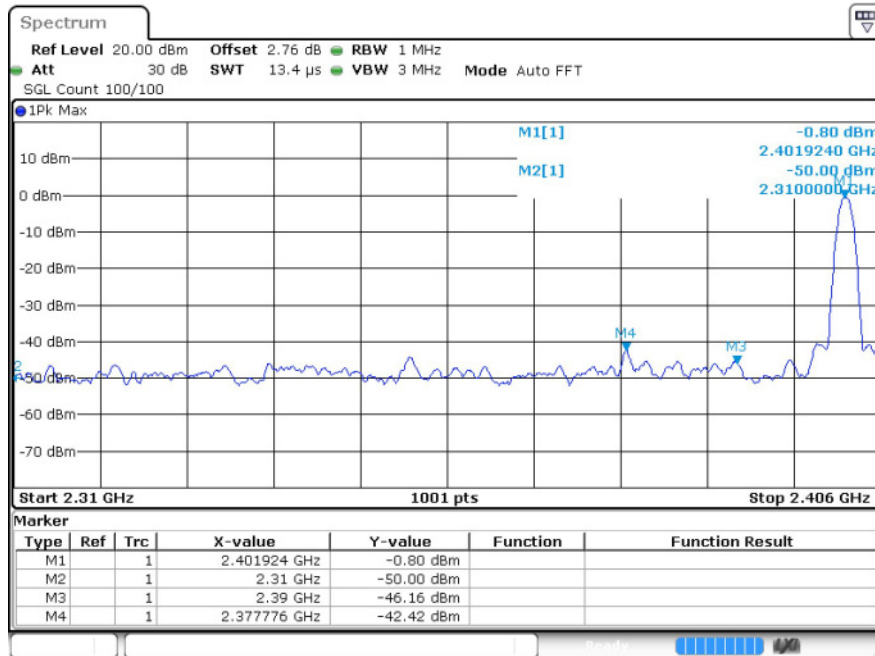
| Test Mode     | Hopping | Freq.    | Power [dBm] | Gain | Duty Factor | E [dBuV/m] | Detector | Limit [dBuV/m] | Verdict |
|---------------|---------|----------|-------------|------|-------------|------------|----------|----------------|---------|
| GFSK          | Off     | 2310.0   | -50         | 2.0  | -           | 47.23      | PEAK     | 74             | Pass    |
|               | Off     | 2310.0   | -56.15      | 2.0  | 5.06        | 46.14      | AV       | 54             | Pass    |
|               | Off     | 2377.776 | -42.42      | 2.0  | -           | 54.81      | PEAK     | 74             | Pass    |
|               | Off     | 2378.064 | -51.76      | 2.0  | 5.06        | 50.53      | AV       | 54             | Pass    |
|               | Off     | 2390.0   | -46.16      | 2.0  | -           | 51.07      | PEAK     | 74             | Pass    |
|               | Off     | 2390.0   | -56.05      | 2.0  | 5.06        | 46.24      | AV       | 54             | Pass    |
|               | Off     | 2483.5   | -43.21      | 2.0  | -           | 54.02      | PEAK     | 74             | Pass    |
|               | Off     | 2483.5   | -51.92      | 2.0  | 5.06        | 50.37      | AV       | 54             | Pass    |
|               | Off     | 2483.512 | -43.19      | 2.0  | -           | 54.04      | PEAK     | 74             | Pass    |
|               | Off     | 2483.512 | -52.03      | 2.0  | 5.06        | 50.26      | AV       | 54             | Pass    |
|               | Off     | 2500.0   | -46.69      | 2.0  | -           | 50.54      | PEAK     | 74             | Pass    |
|               | Off     | 2500.0   | -55.14      | 2.0  | 5.06        | 47.15      | AV       | 54             | Pass    |
| $\pi/4$ DQPSK | Off     | 2310.0   | -50.46      | 2.0  | -           | 46.77      | PEAK     | 74             | Pass    |
|               | Off     | 2310.0   | -55.51      | 2.0  | 4.95        | 46.67      | AV       | 54             | Pass    |
|               | Off     | 2377.872 | -43.71      | 2.0  | -           | 53.52      | PEAK     | 74             | Pass    |
|               | Off     | 2338.128 | -53.25      | 2.0  | 4.95        | 48.93      | AV       | 54             | Pass    |
|               | Off     | 2390.0   | -46.71      | 2.0  | -           | 50.52      | PEAK     | 74             | Pass    |
|               | Off     | 2390.0   | -56.06      | 2.0  | 4.95        | 46.12      | AV       | 54             | Pass    |
|               | Off     | 2483.5   | -44.39      | 2.0  | -           | 52.84      | PEAK     | 74             | Pass    |
|               | Off     | 2483.5   | -52.08      | 2.0  | 4.95        | 50.10      | AV       | 54             | Pass    |
|               | Off     | 2483.512 | -44.57      | 2.0  | -           | 52.66      | PEAK     | 74             | Pass    |
|               | Off     | 2483.512 | -52.12      | 2.0  | 4.95        | 50.06      | AV       | 54             | Pass    |
|               | Off     | 2500.0   | -44.65      | 2.0  | -           | 52.58      | PEAK     | 74             | Pass    |
|               | Off     | 2500.0   | -54.98      | 2.0  | 4.95        | 47.20      | AV       | 54             | Pass    |
| 8DPSK         | Off     | 2310.0   | -49.26      | 2.0  | -           | 47.97      | PEAK     | 74             | Pass    |
|               | Off     | 2310.0   | -55.8       | 2.0  | 4.95        | 46.38      | AV       | 54             | Pass    |
|               | Off     | 2378.16  | -44.14      | 2.0  | -           | 53.09      | PEAK     | 74             | Pass    |
|               | Off     | 2378.064 | -50.91      | 2.0  | 4.95        | 51.27      | AV       | 54             | Pass    |



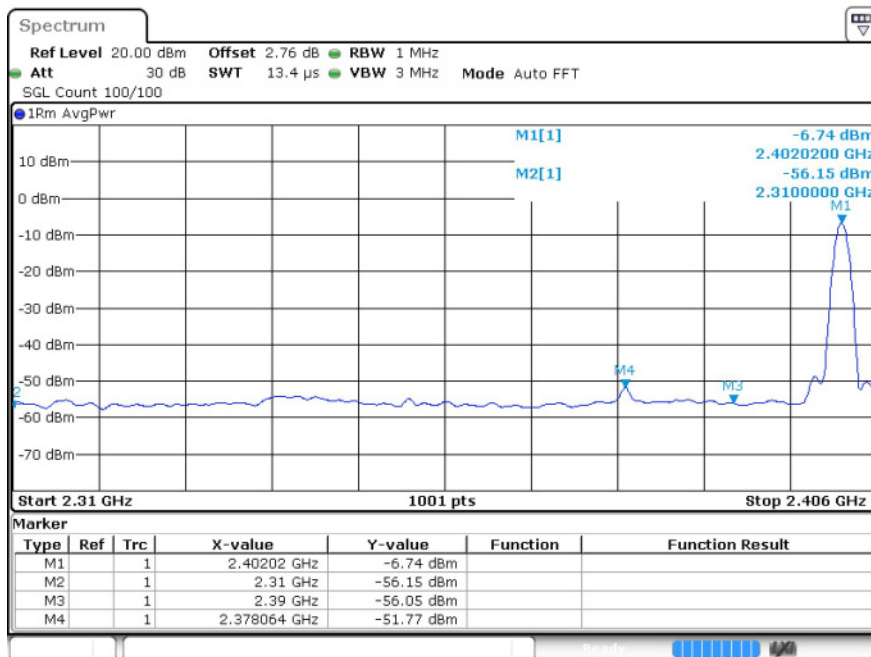
|     |          |        |     |      |       |      |    |      |
|-----|----------|--------|-----|------|-------|------|----|------|
| Off | 2390.0   | -49.43 | 2.0 | -    | 47.80 | PEAK | 74 | Pass |
| Off | 2390.0   | -56.53 | 2.0 | 4.95 | 45.65 | AV   | 54 | Pass |
| Off | 2483.5   | -43.59 | 2.0 | -    | 53.64 | PEAK | 74 | Pass |
| Off | 2483.5   | -52.24 | 2.0 | 4.95 | 49.94 | AV   | 54 | Pass |
| Off | 2483.512 | -43.66 | 2.0 | -    | 53.57 | PEAK | 74 | Pass |
| Off | 2483.512 | -52.27 | 2.0 | 4.95 | 49.91 | AV   | 54 | Pass |
| Off | 2500.0   | -48.78 | 2.0 | -    | 48.45 | PEAK | 74 | Pass |
| Off | 2500.0   | -55.58 | 2.0 | 4.95 | 46.60 | AV   | 54 | Pass |

## 9.2 Test Graphs

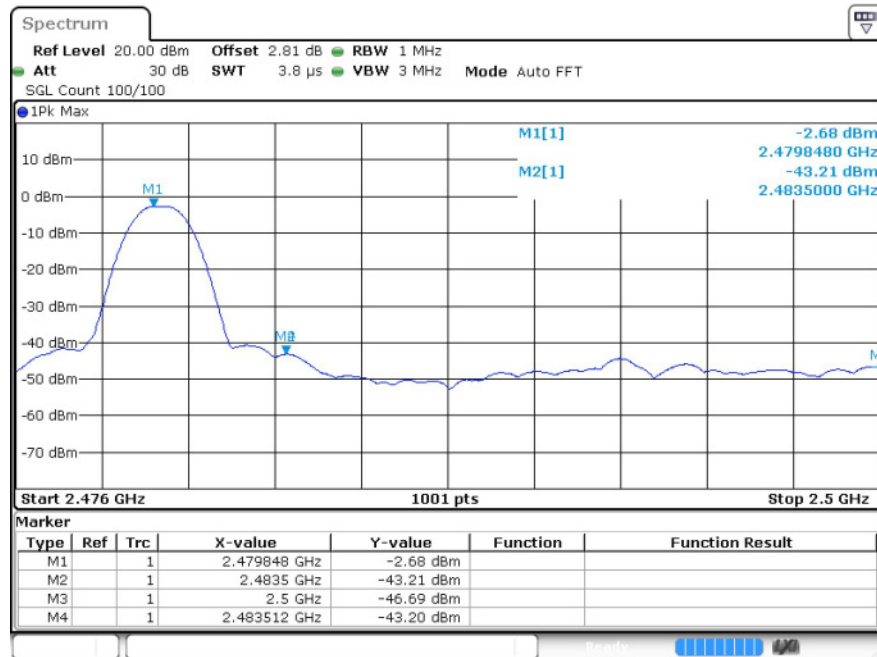
Restrict-band band-edge measurements\_Hopping Off\_ GFSK\_PEAK (Low Channel)



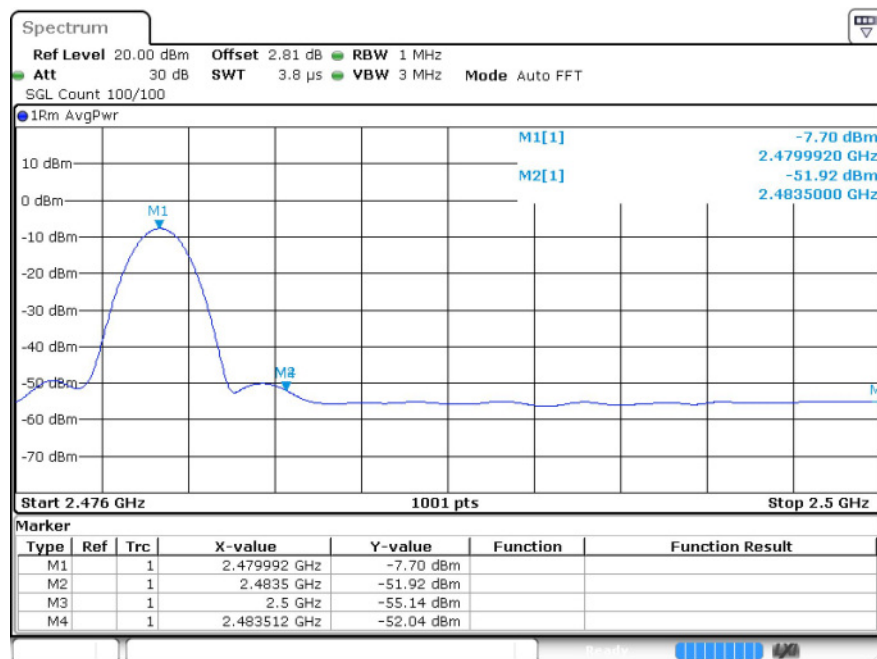
Restrict-band band-edge measurements\_Hopping Off\_ GFSK\_Average (Low Channel)



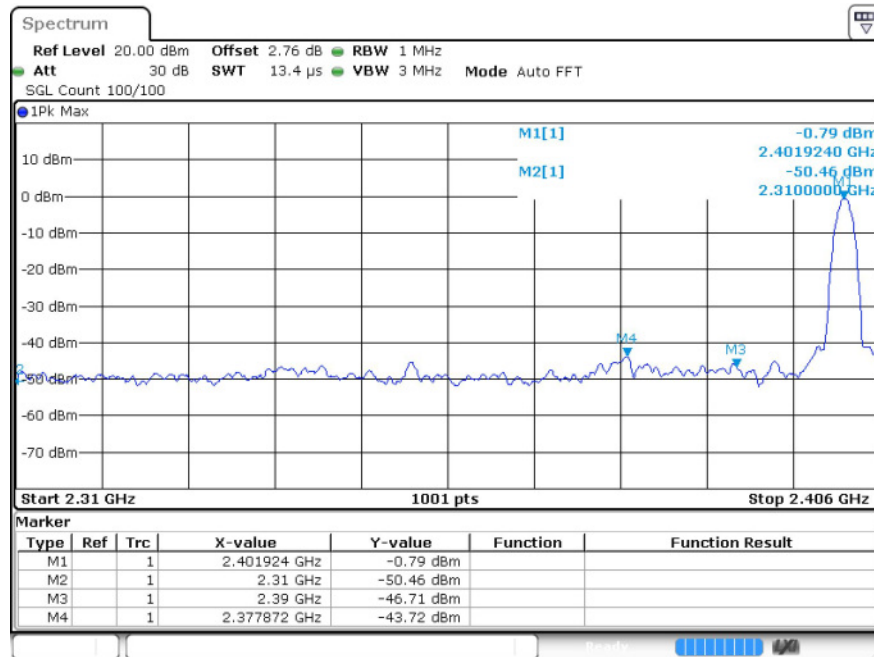
### Restrict-band band-edge measurements\_Hopping Off\_ GFSK\_PEAK (High Channel)



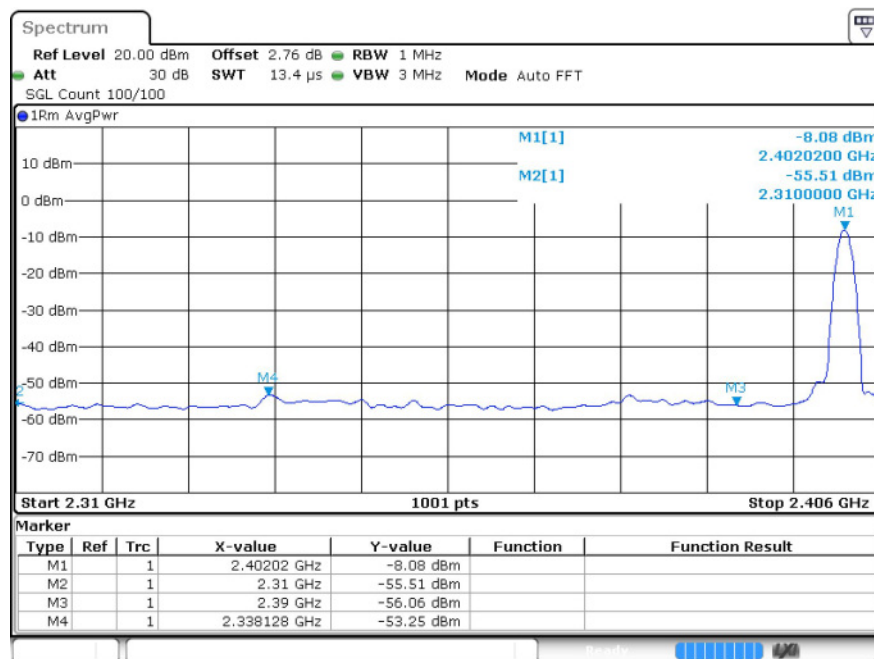
### Restrict-band band-edge measurements\_Hopping Off\_ GFSK\_Average (High Channel)



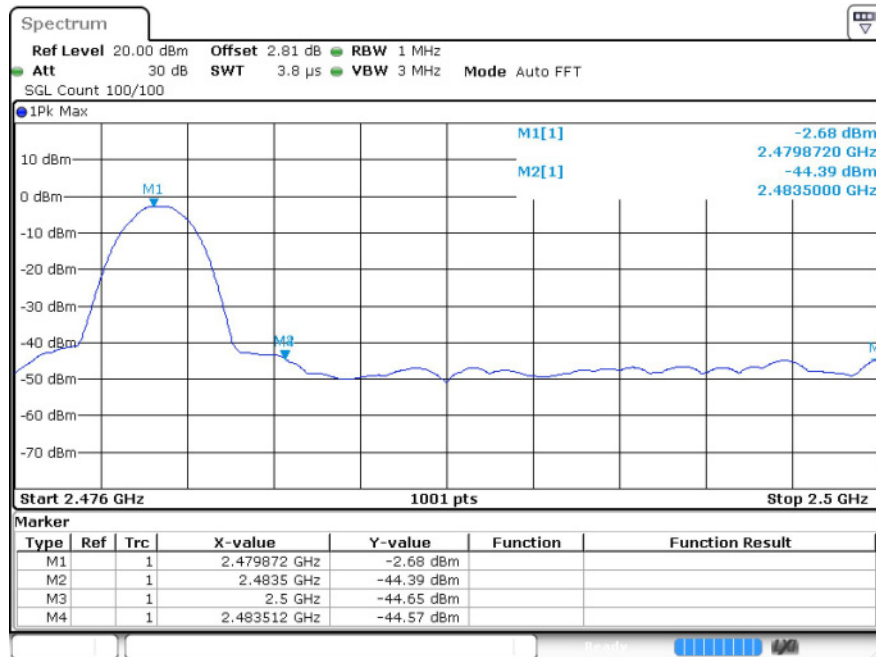
### Restrict-band band-edge measurements\_Hopping Off $\pi/4$ -DQPSK\_PEAK (Low Channel)



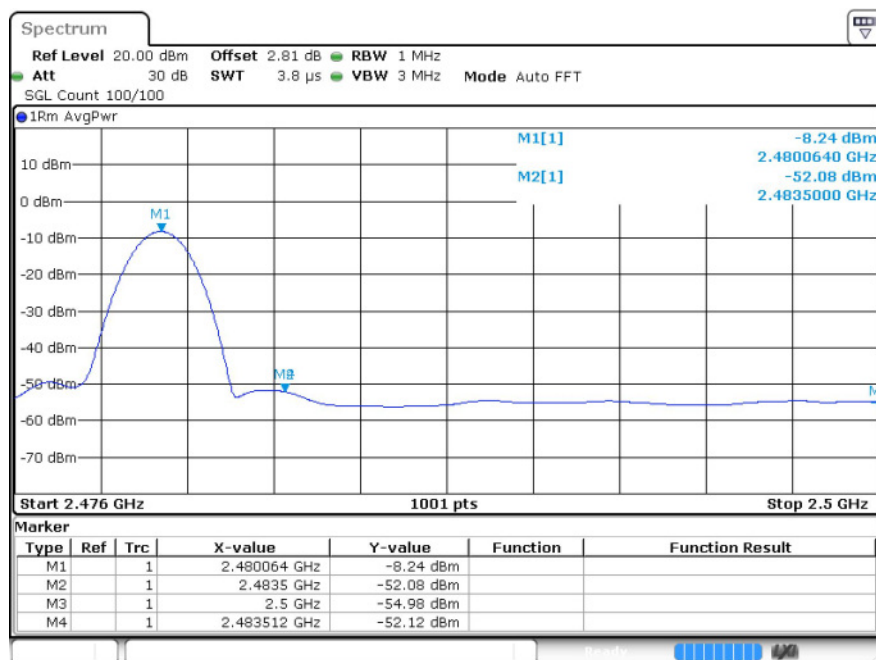
### Restrict-band band-edge measurements\_Hopping Off $\pi/4$ -DQPSK\_Average (Low Channel)



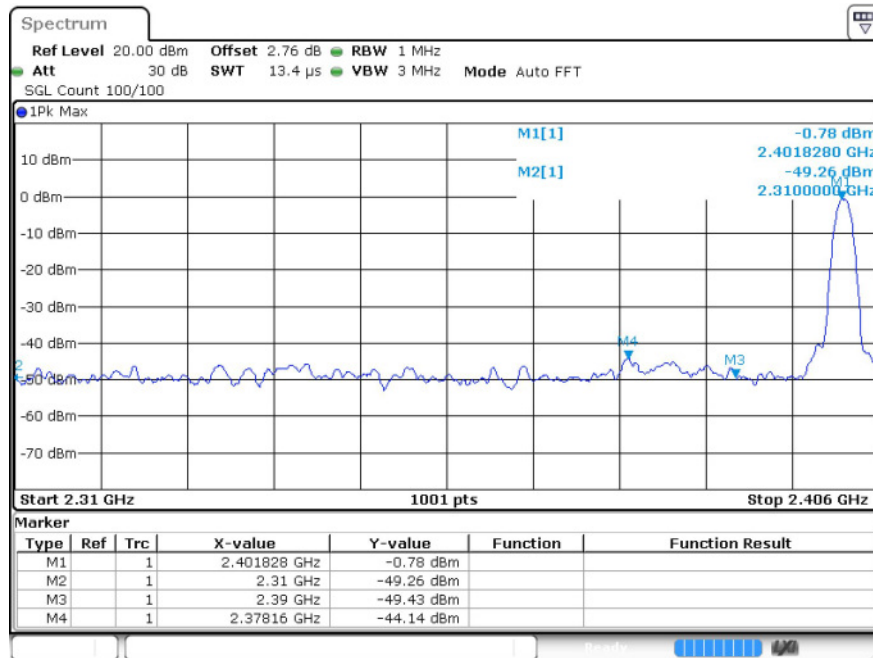
## Restrict-band band-edge measurements\_Hopping Off\_π/4-DQPSK\_PEAK (High Channel)



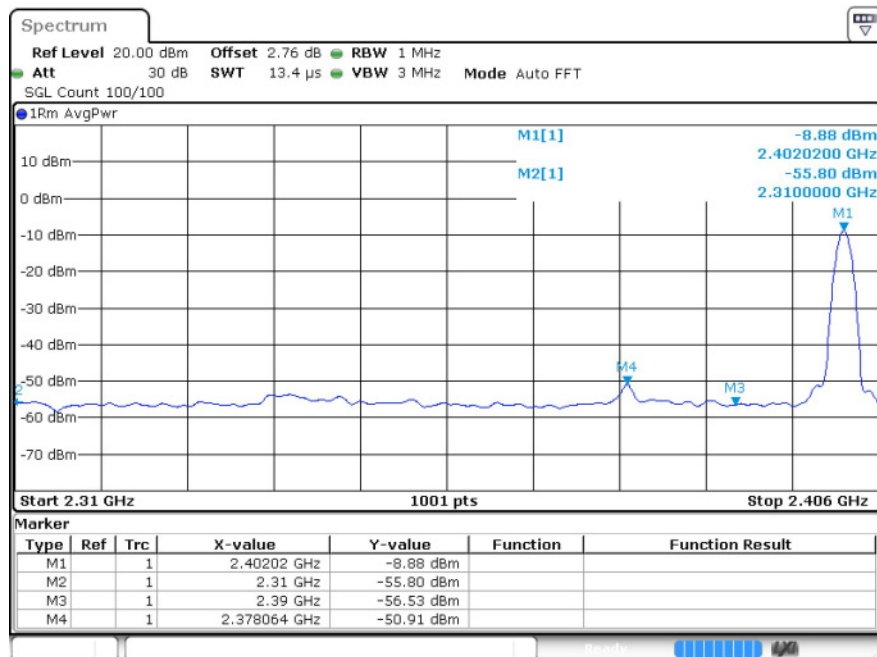
## Restrict-band band-edge measurements\_Hopping Off\_π/4-DQPSK\_Average (High Channel)



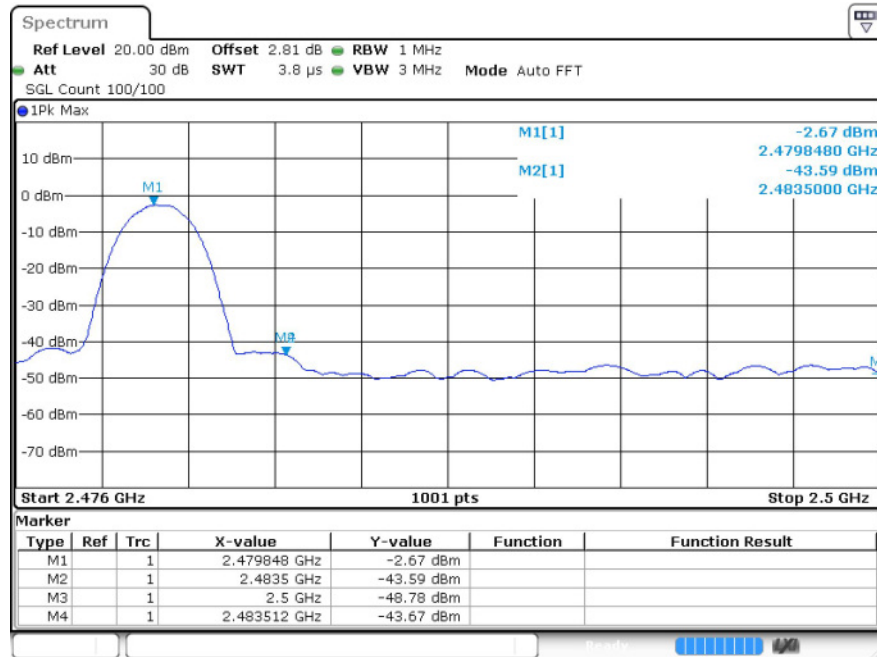
## Restrict-band band-edge measurements\_Hopping Off\_8DPSK\_PEAK (Low Channel)



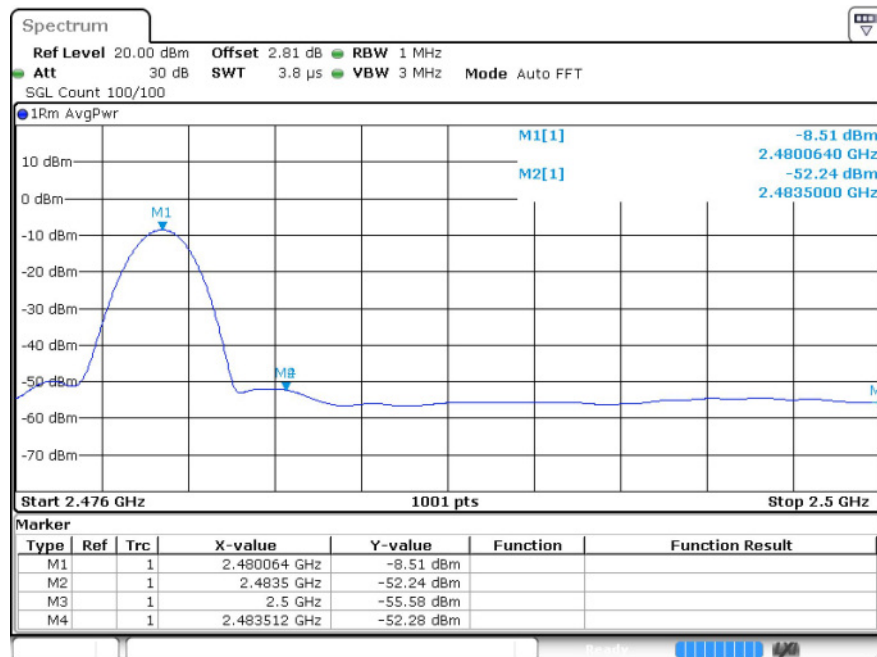
## Restrict-band band-edge measurements\_Hopping Off\_8DPSK\_Average (Low Channel)



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



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



---The End---