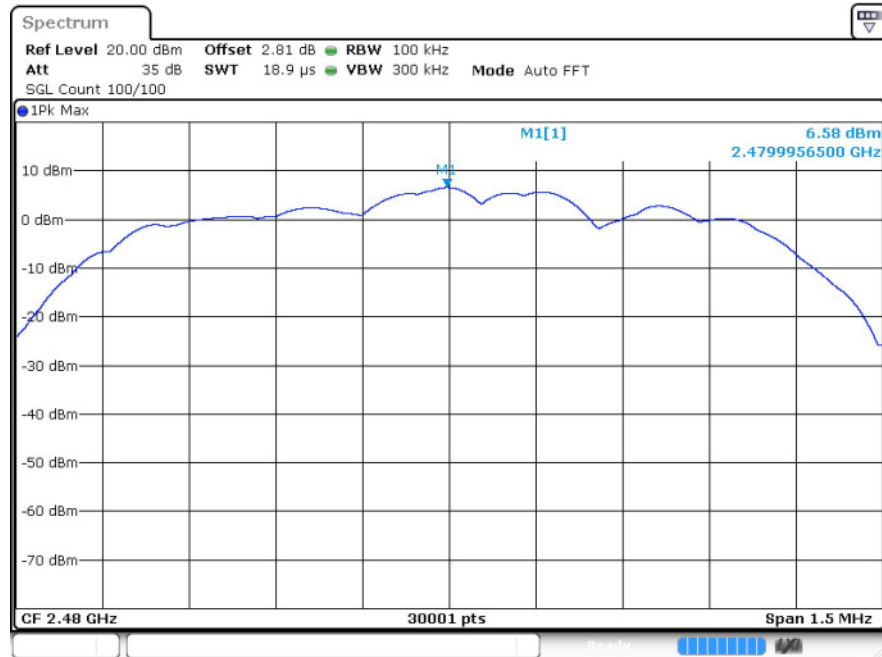
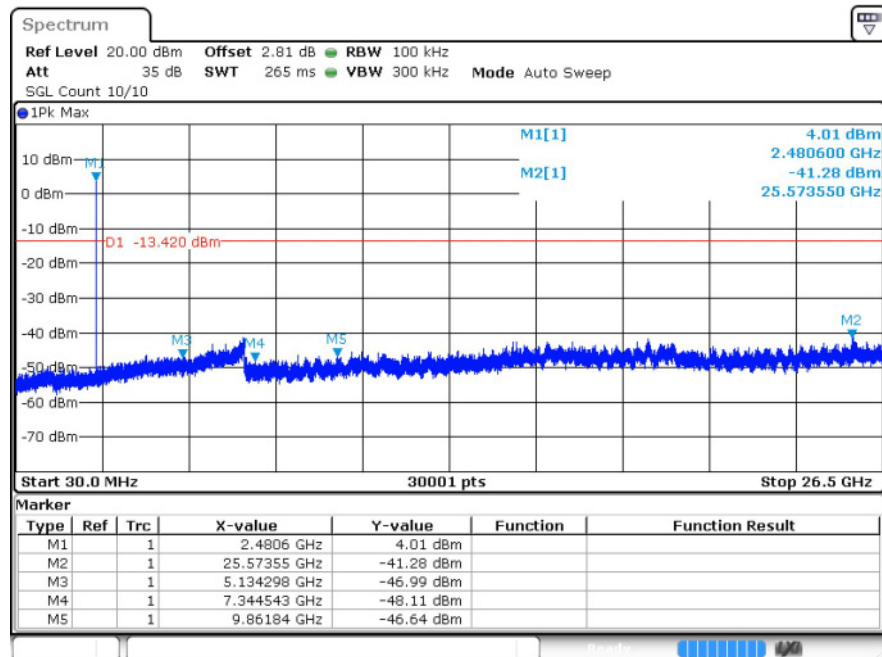


# $\pi$ /4DQPSK\_HCH\_Graphs

Pref

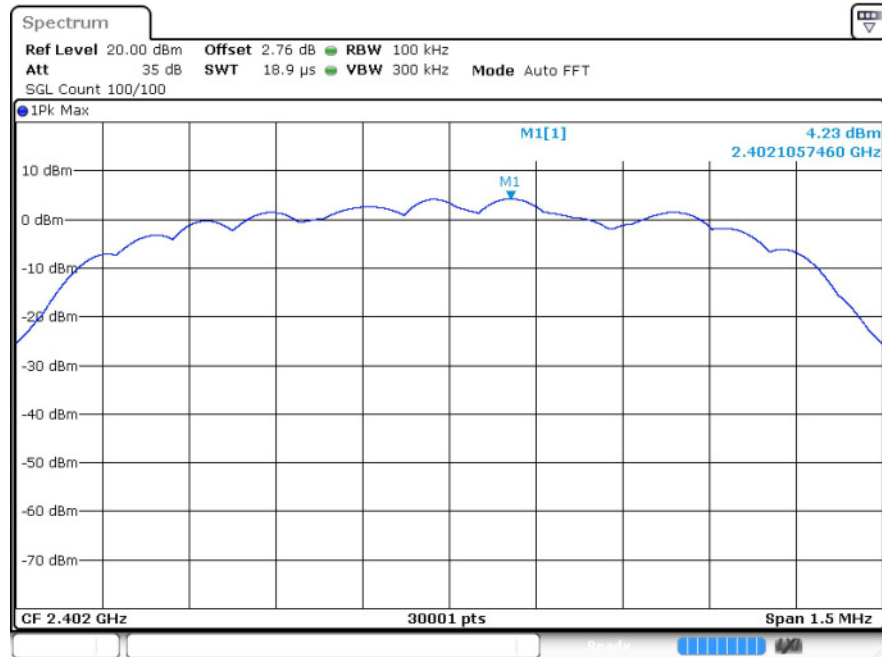


Puw

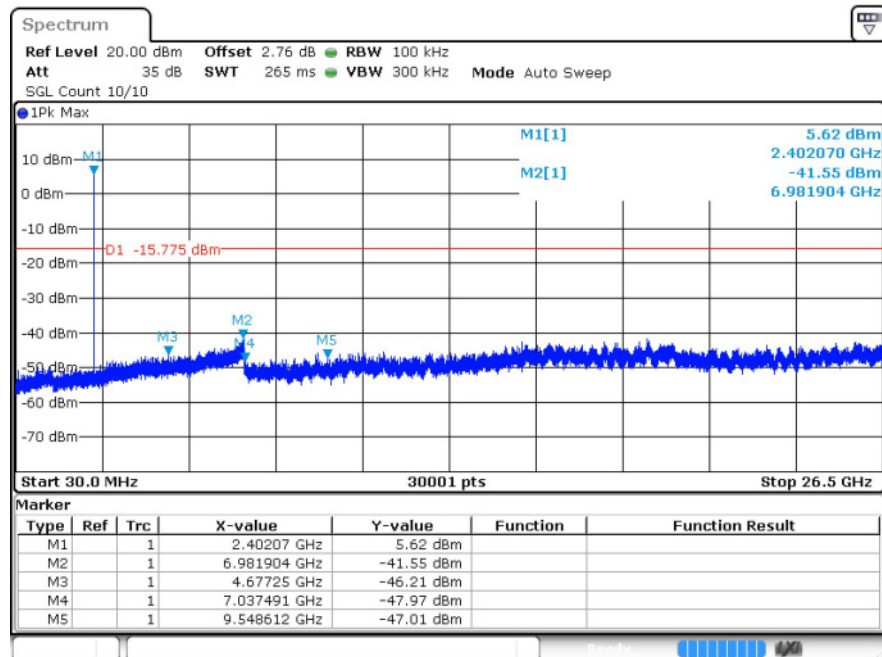


## 8DPSK\_LCH\_Graphs

Pref

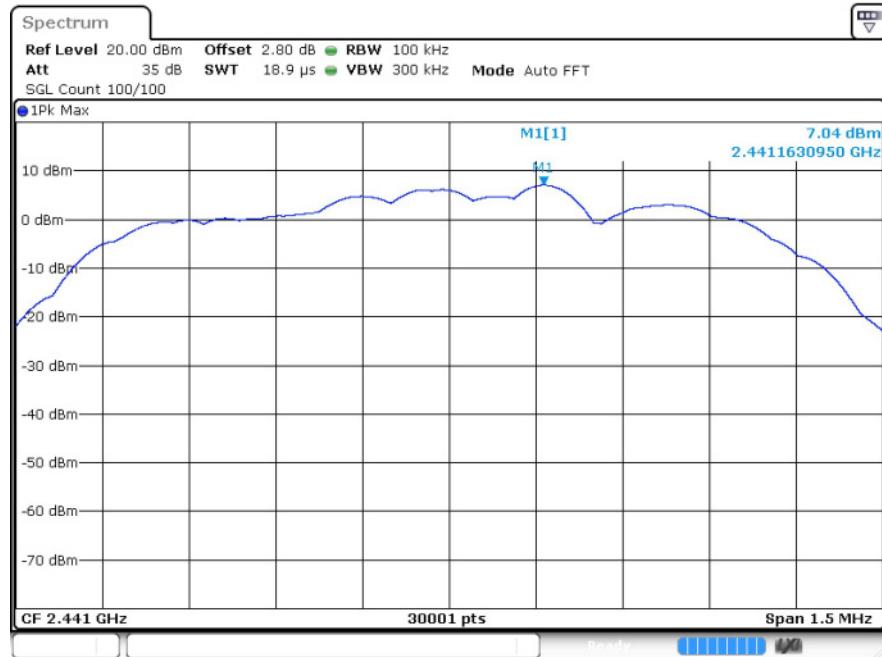


Puw

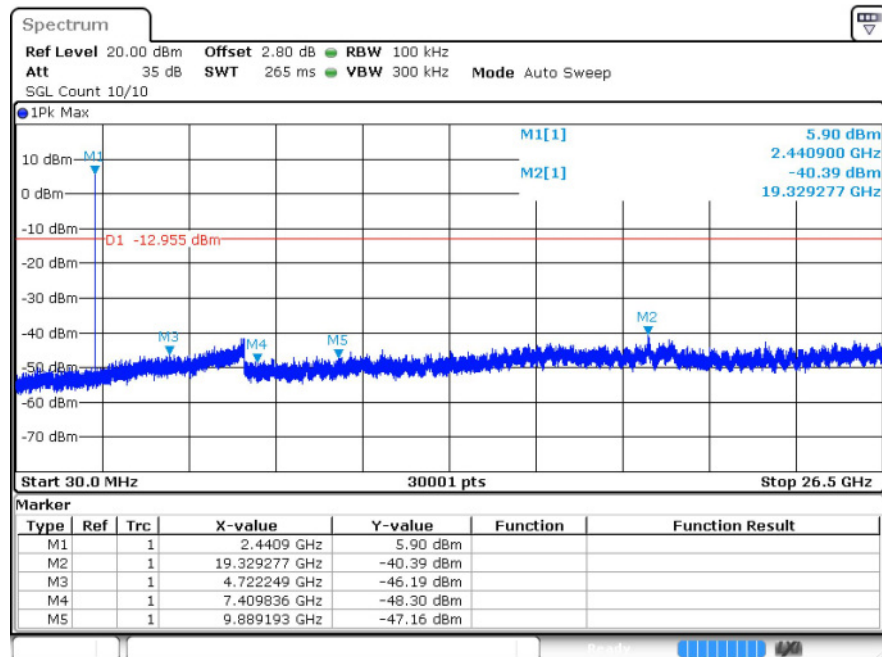


## 8DPSK\_MCH\_Graphs

Pref

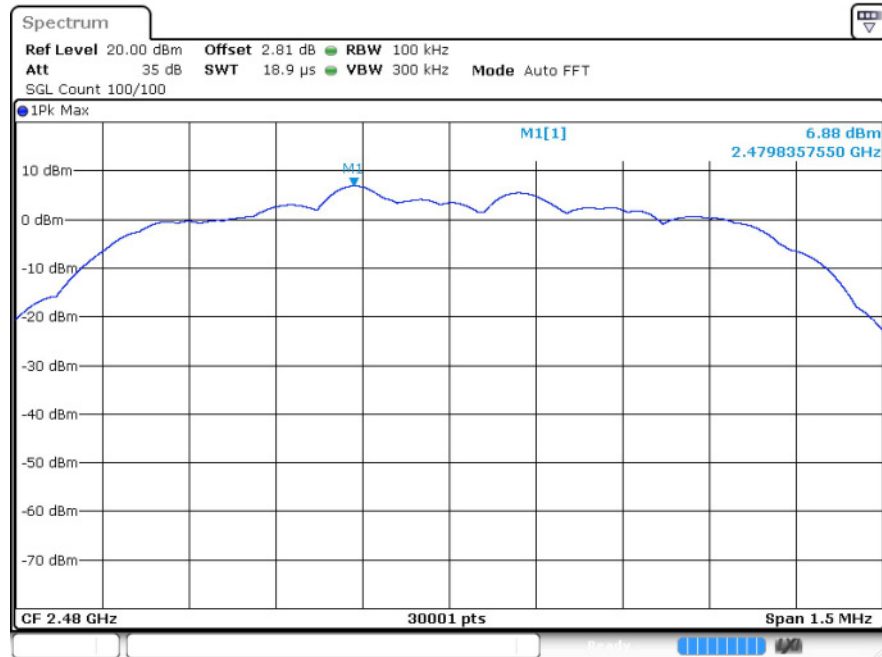


Puw

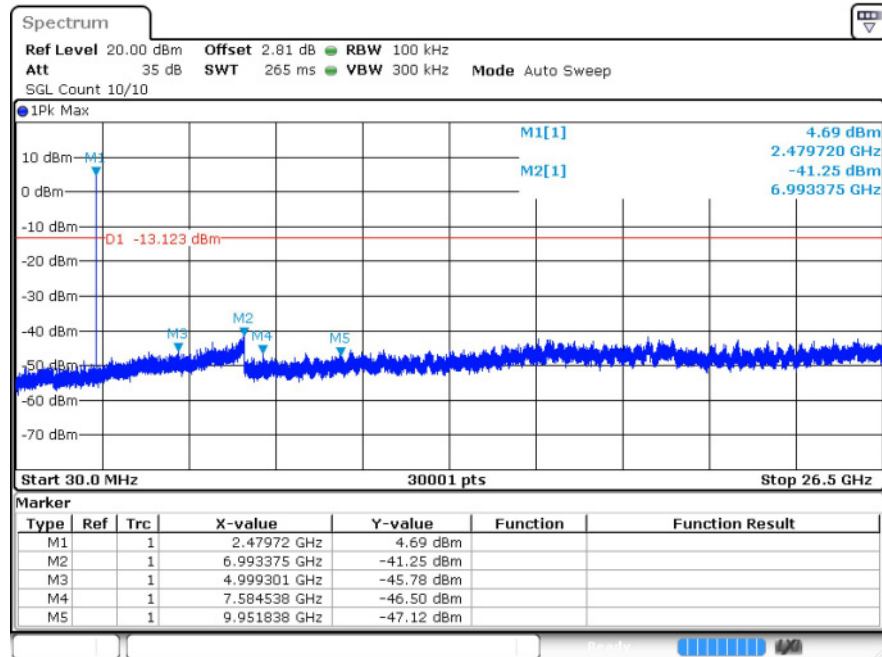


## 8DPSK\_HCH\_Graphs

Pref



Puw

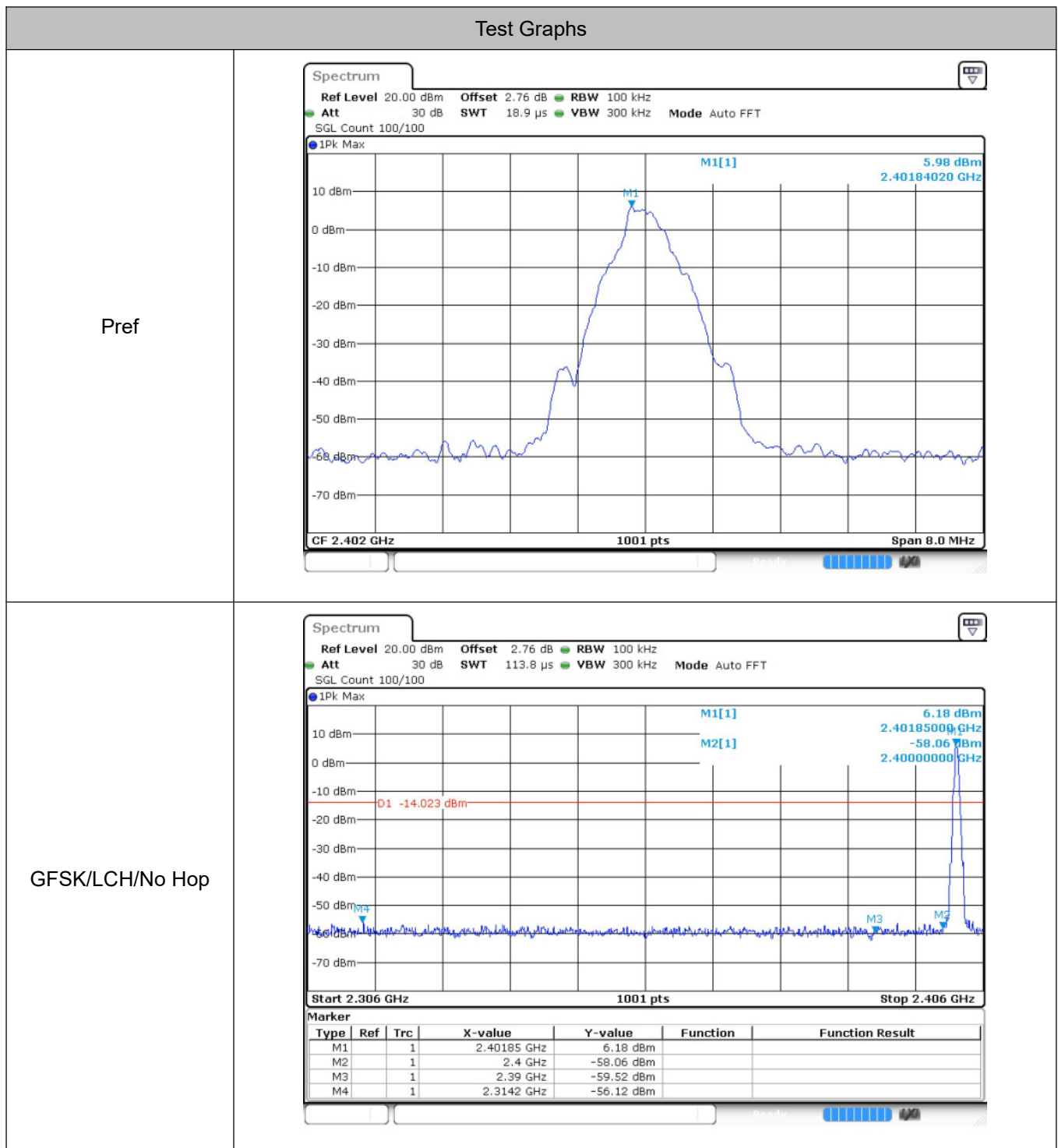


## 8 Band-edge for RF Conducted Emissions

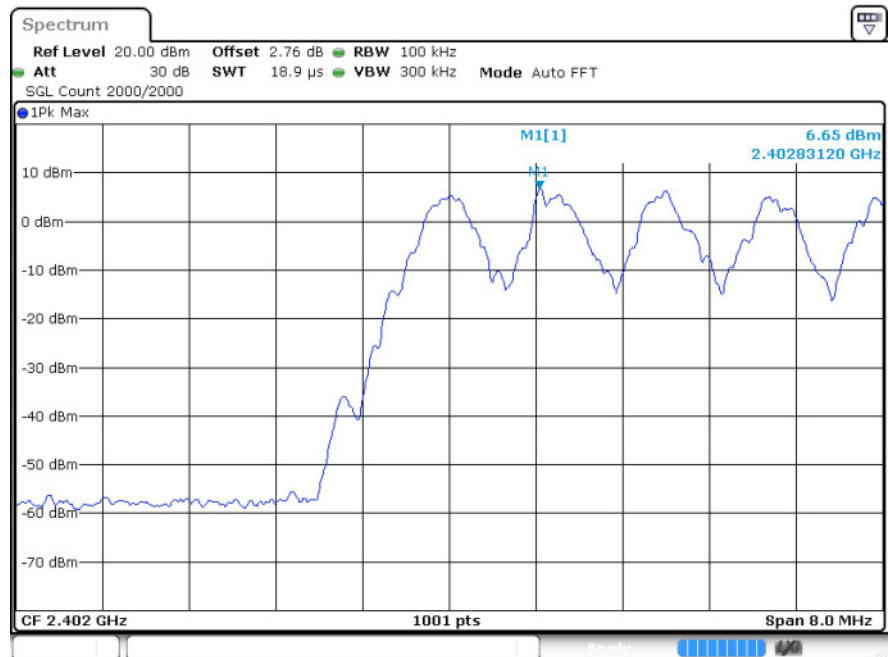
### 8.1 Test Result

| Mode          | Channel | Carrier Frequency [MHz] | Frequency Hopping | Max Spurious Level [dBc] | Limit [dBc] | Verdict |
|---------------|---------|-------------------------|-------------------|--------------------------|-------------|---------|
| GFSK          | LCH     | 2402                    | Off               | -62.1                    | -20         | Pass    |
|               |         |                         | On                | -61.49                   | -20         | Pass    |
|               | HCH     | 2480                    | Off               | -62.19                   | -20         | Pass    |
|               |         |                         | On                | -61.36                   | -20         | Pass    |
| $\pi/4$ DQPSK | LCH     | 2402                    | Off               | -59.38                   | -20         | Pass    |
|               |         |                         | On                | -60.53                   | -20         | Pass    |
|               | HCH     | 2480                    | Off               | -62.08                   | -20         | Pass    |
|               |         |                         | On                | -61.02                   | -20         | Pass    |
| 8DPSK         | LCH     | 2402                    | Off               | -61.71                   | -20         | Pass    |
|               |         |                         | On                | -55.56                   | -20         | Pass    |
|               | HCH     | 2480                    | Off               | -62.06                   | -20         | Pass    |
|               |         |                         | On                | -61.16                   | -20         | Pass    |

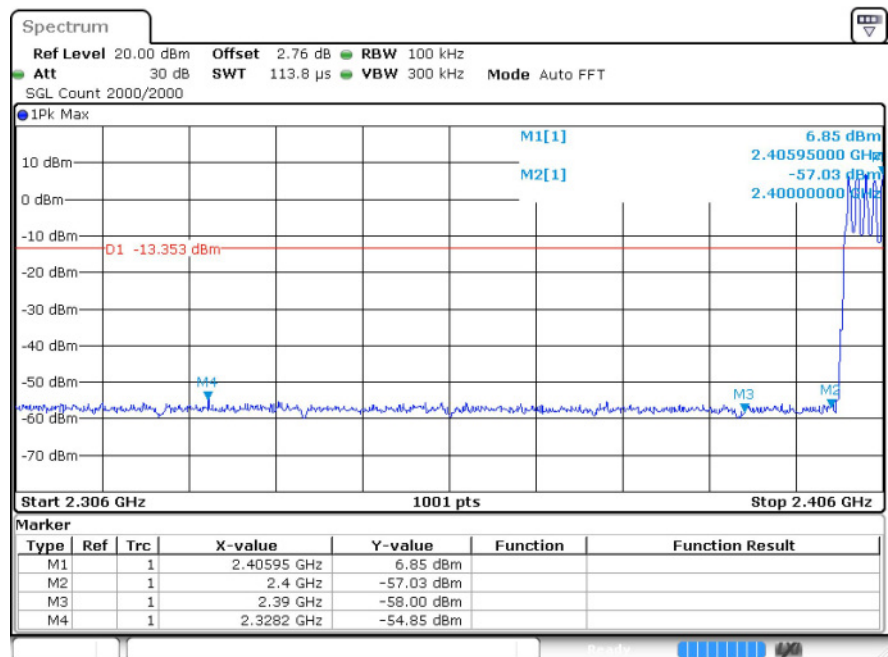
## 8.2 Test Graphs



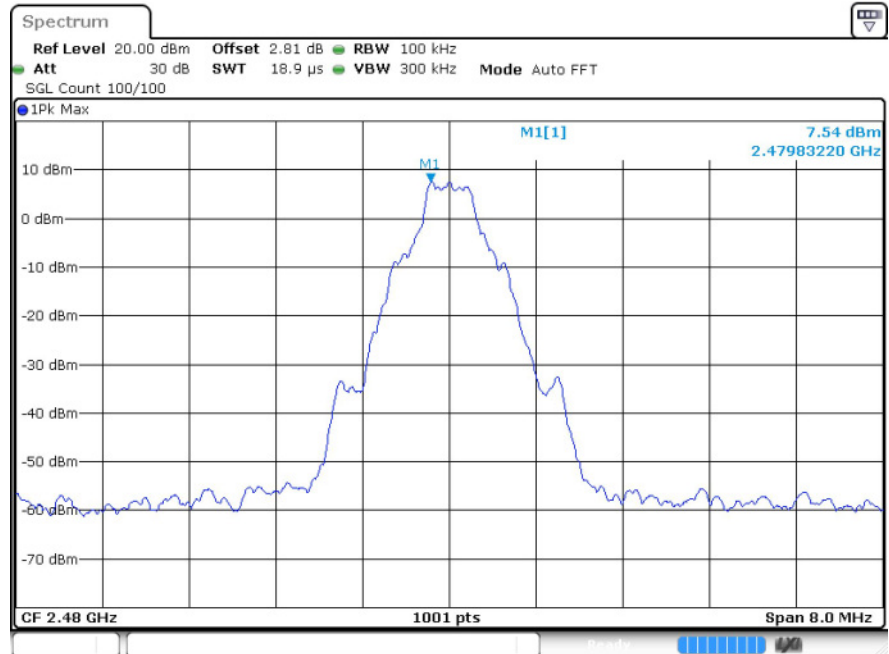
Ref



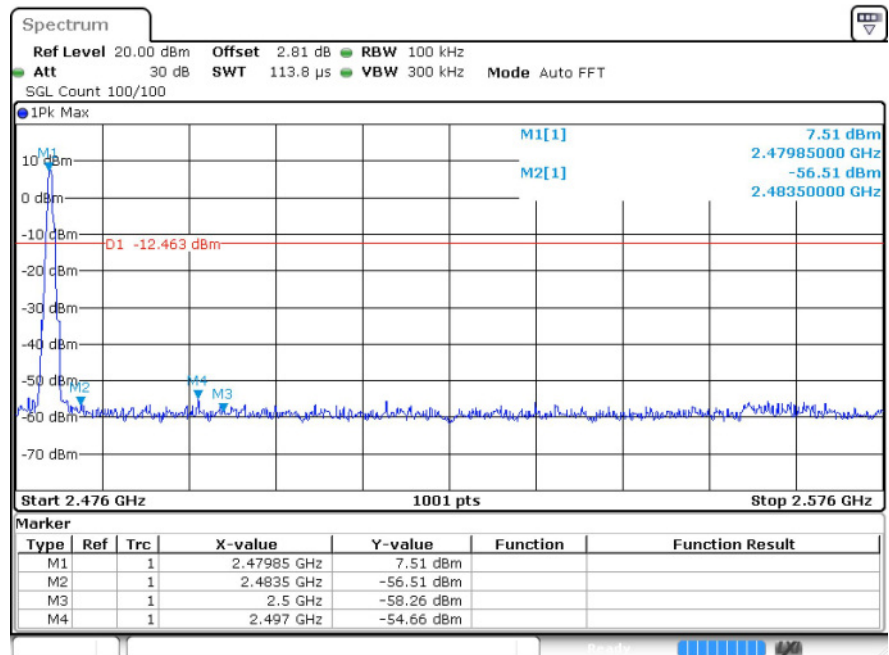
GFSK/LCH/Hop



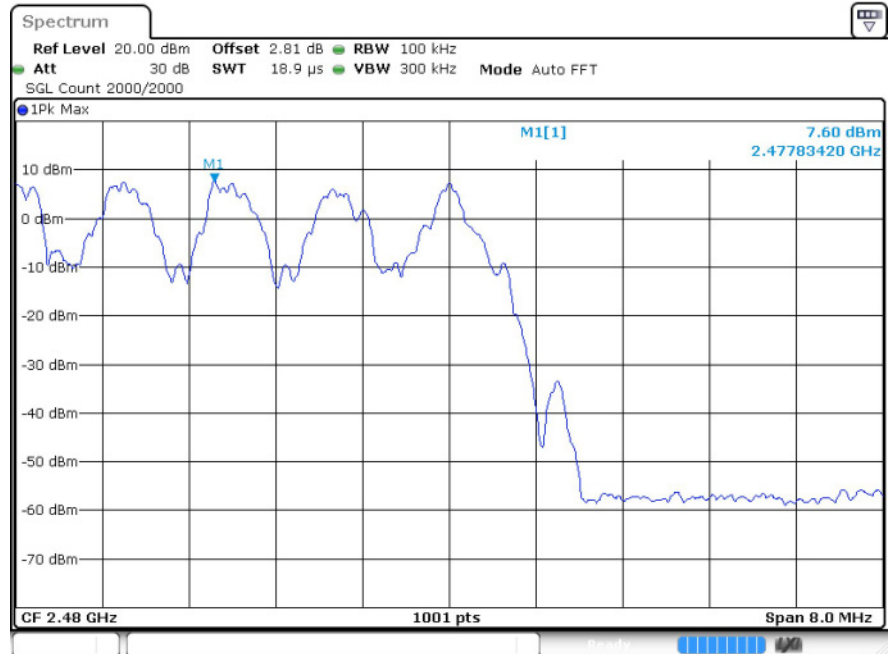
Ref



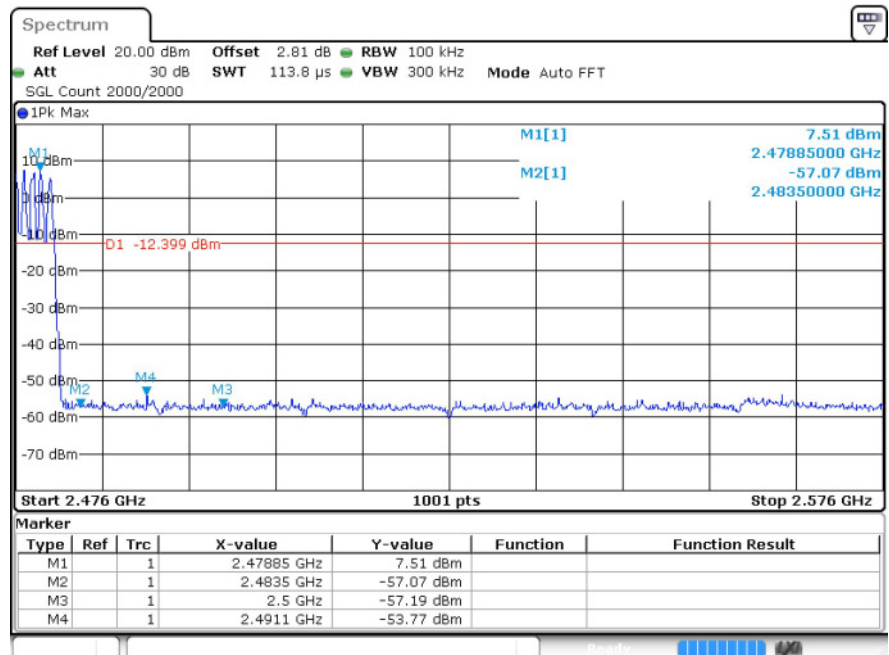
GFSK/HCH/No Hop



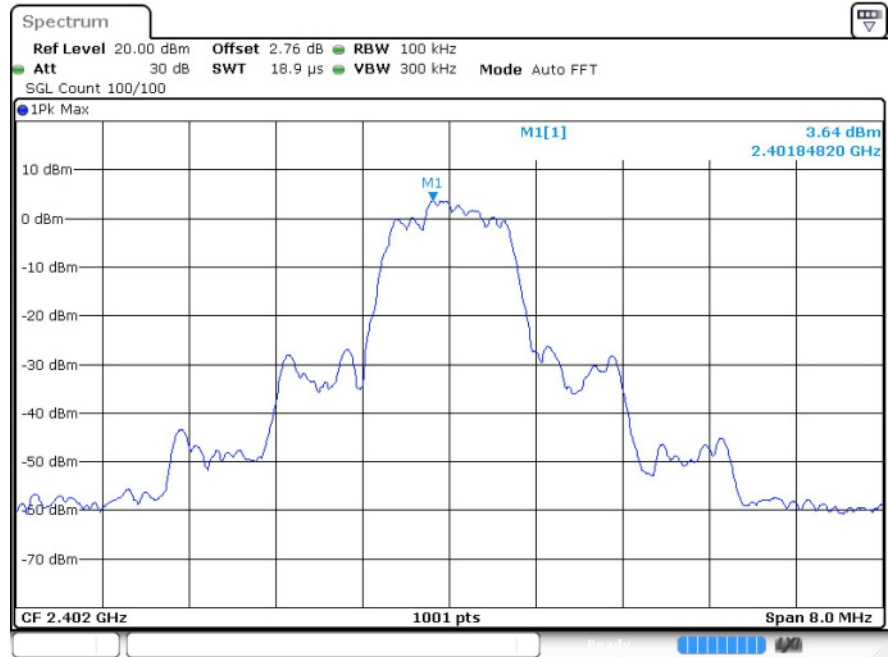
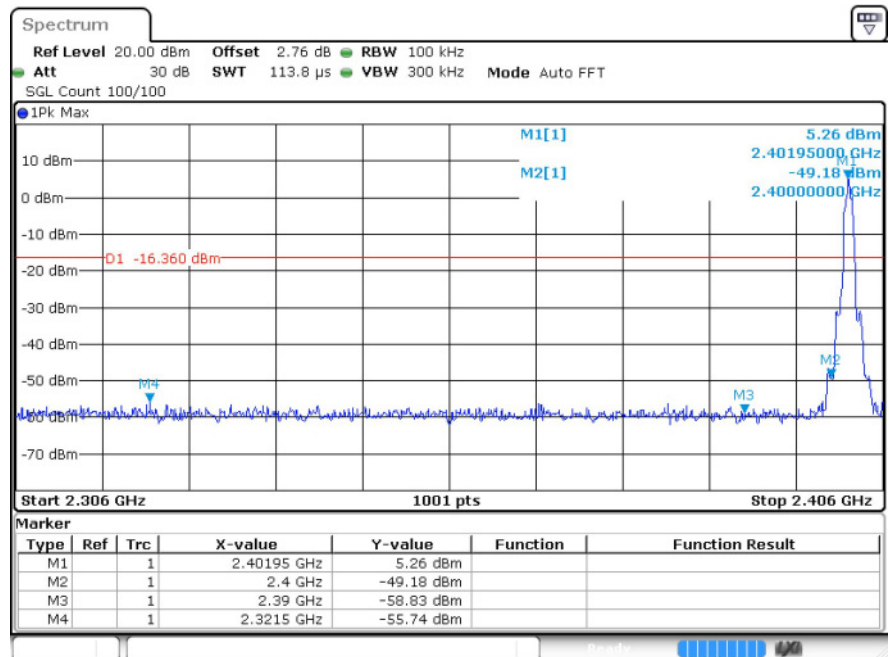
Ref.



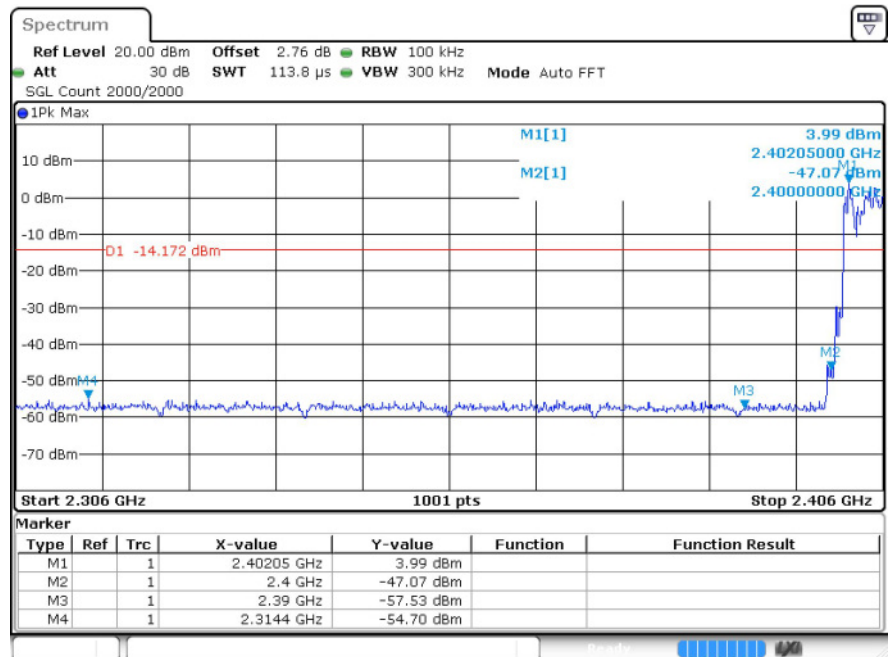
GFSK/HCH/Hop



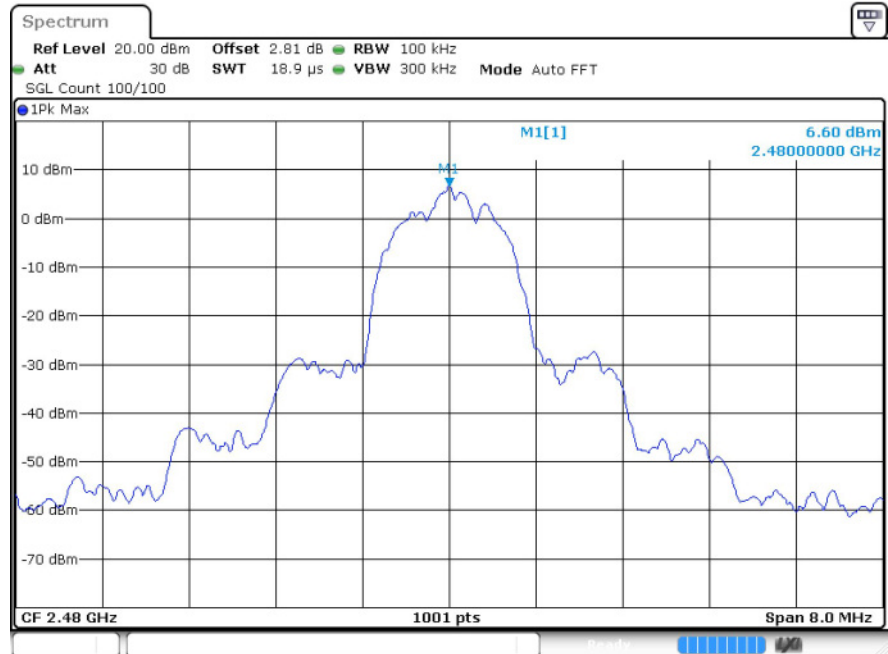
Ref


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


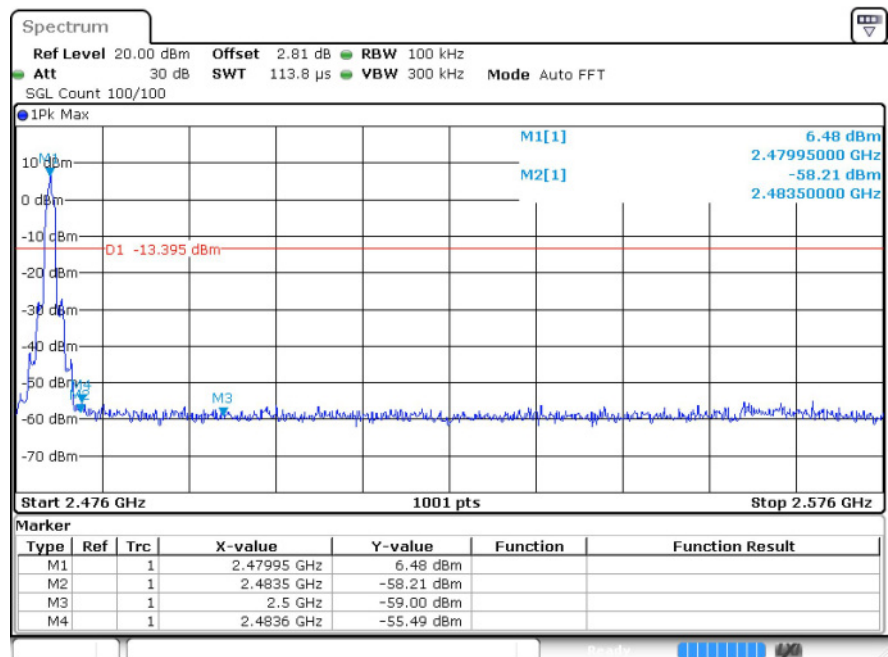
Ref


 $\pi/4$ DQPSK/LCH/Hop


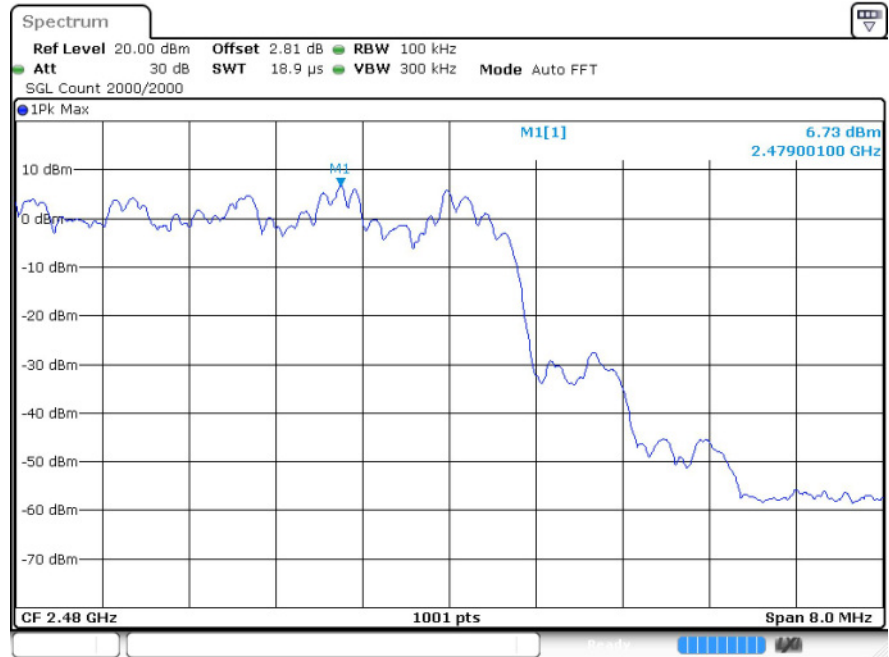
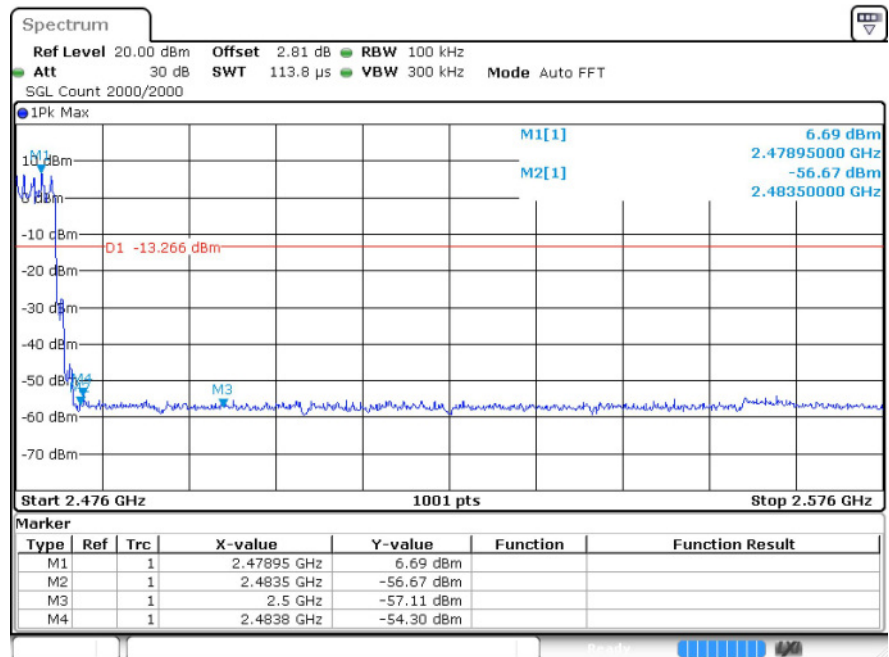
Ref



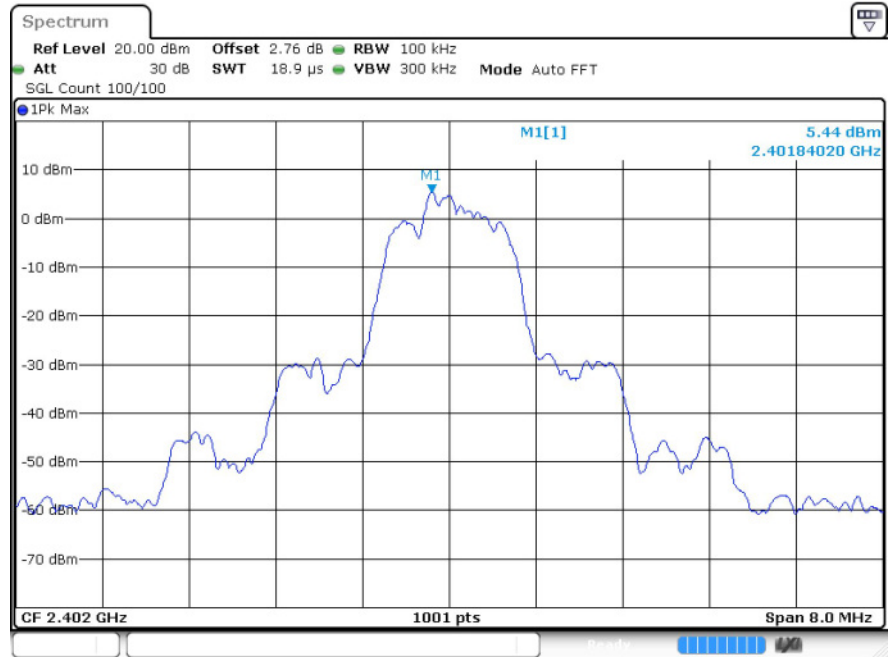
$\pi/4$ DQPSK/HCH/No  
Hop



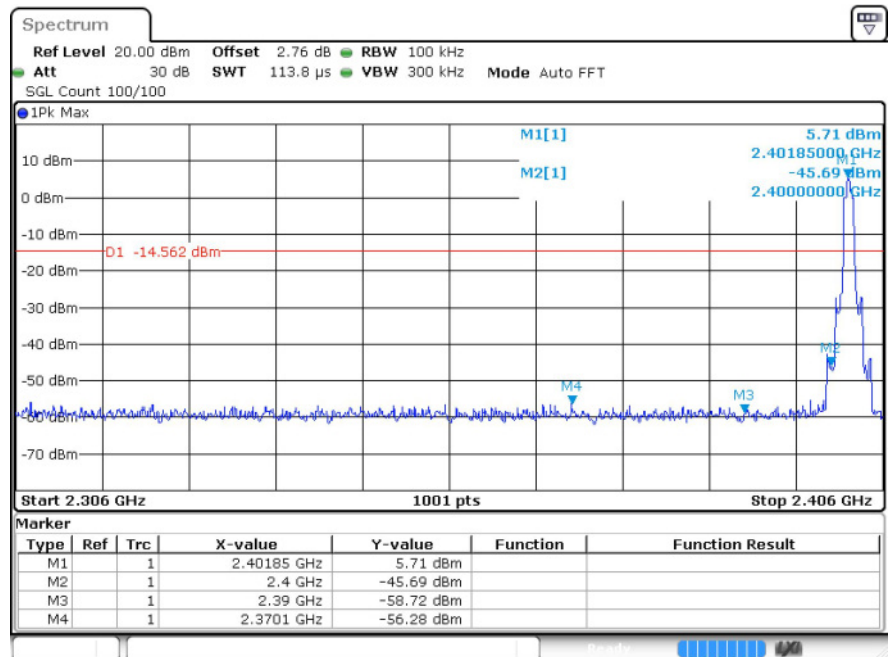
Ref


 $\pi/4$ DQPSK/HCH/Hop


Ref



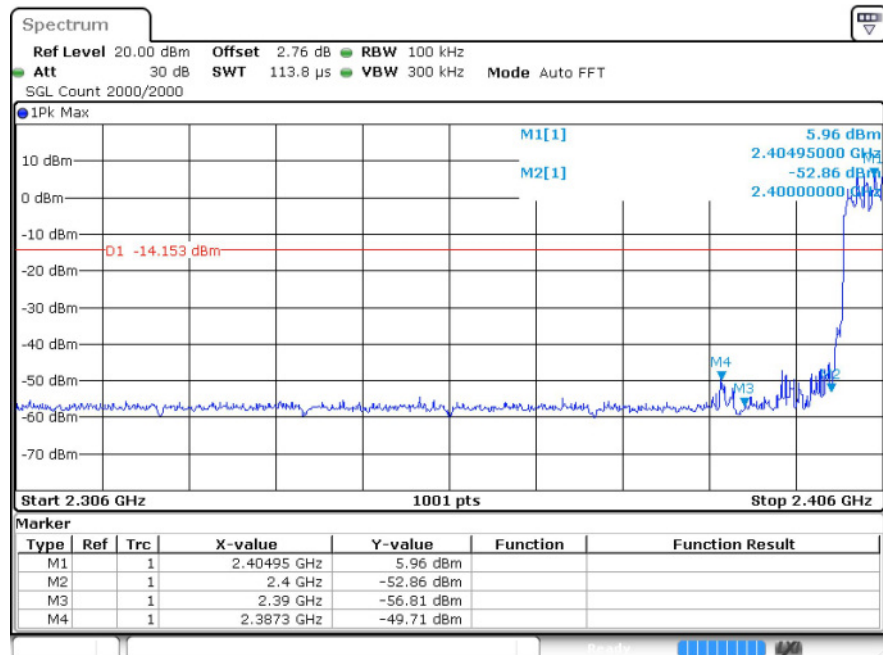
8DPSK/LCH/No Hop



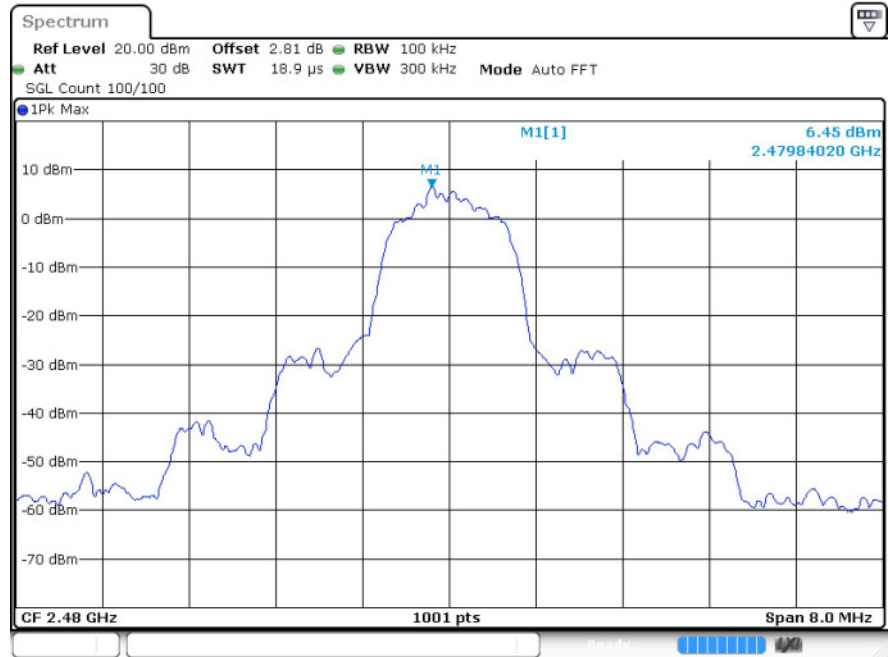
Ref



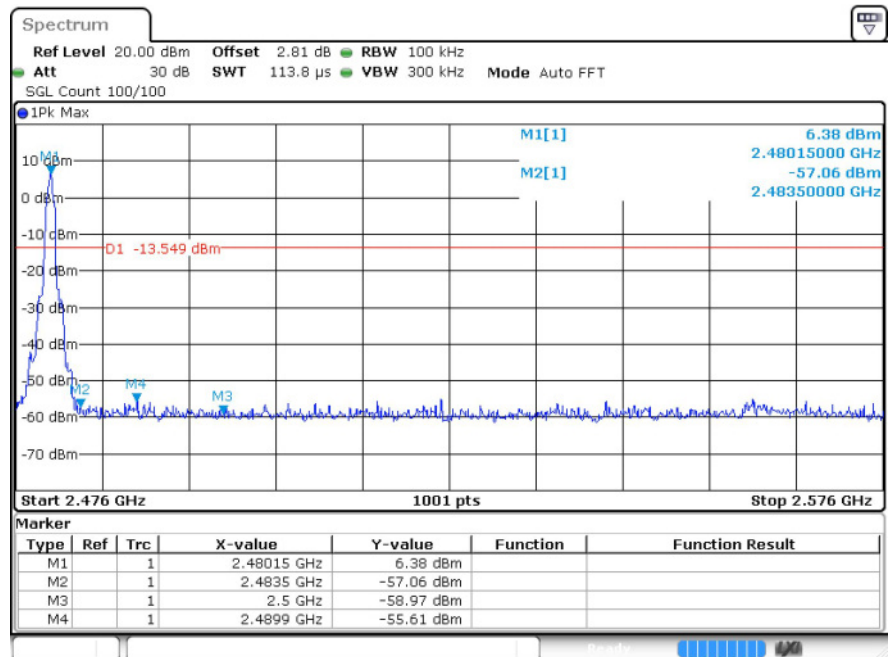
8DPSK/LCH/Hop



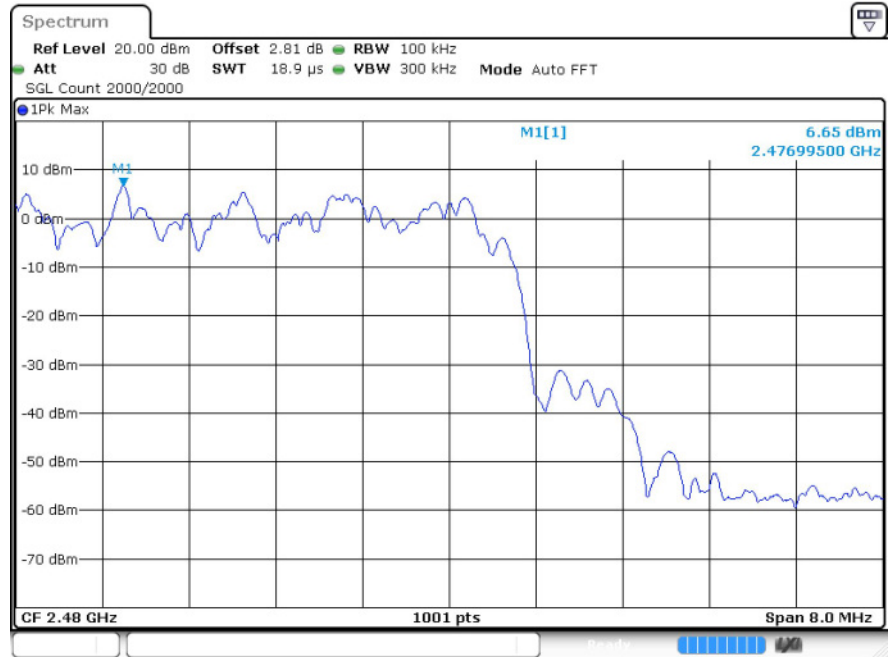
Ref



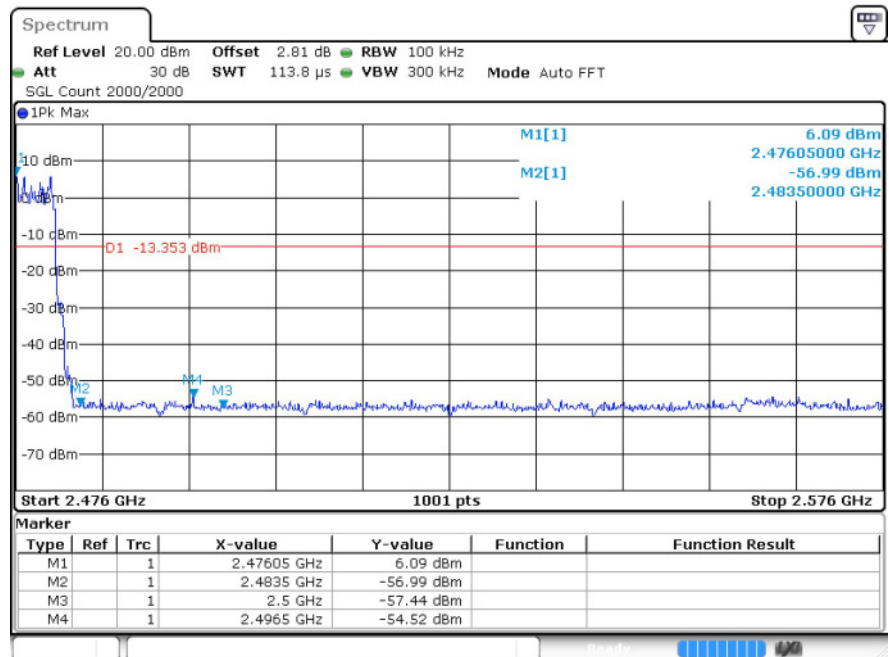
8DPSK/HCH/No Hop



Ref



8DPSK/HCH/Hop



## 9 Restrict-band band-edge measurements

### 9.1 Test Result

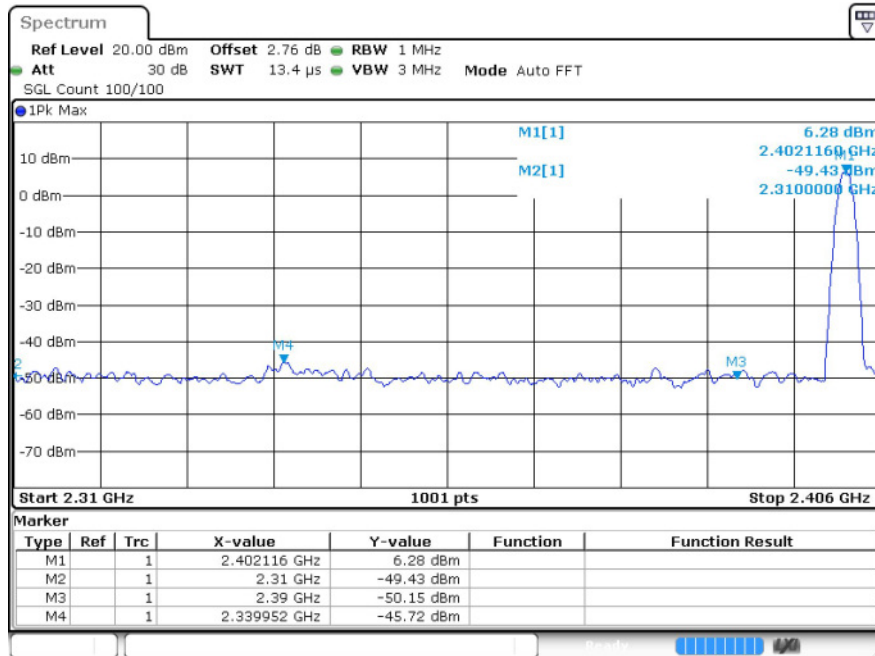
| Test Mode     | Hopping | Freq.    | Power [dBm] | Gain | Duty Factor | E [dBuV/m] | Detector | Limit [dBuV/m] | Verdict |
|---------------|---------|----------|-------------|------|-------------|------------|----------|----------------|---------|
| GFSK          | Off     | 2310.0   | -49.43      | 2    | -           | 47.83      | PEAK     | 74             | Pass    |
|               | Off     | 2310.0   | -56.27      | 2    | 4.84        | 45.83      | AV       | 54             | Pass    |
|               | Off     | 2339.952 | -45.71      | 2    | -           | 51.55      | PEAK     | 74             | Pass    |
|               | Off     | 2341.68  | -54.46      | 2    | 4.84        | 47.64      | AV       | 54             | Pass    |
|               | Off     | 2390.0   | -50.15      | 2    | -           | 47.11      | PEAK     | 74             | Pass    |
|               | Off     | 2390.0   | -57.38      | 2    | 4.84        | 44.72      | AV       | 54             | Pass    |
|               | Off     | 2483.5   | -44.78      | 2    | -           | 52.48      | PEAK     | 74             | Pass    |
|               | Off     | 2483.5   | -55.27      | 2    | 4.84        | 46.83      | AV       | 54             | Pass    |
|               | Off     | 2483.512 | -44.85      | 2    | -           | 52.41      | PEAK     | 74             | Pass    |
|               | Off     | 2483.512 | -55.28      | 2    | 4.84        | 46.82      | AV       | 54             | Pass    |
|               | Off     | 2500.0   | -50.87      | 2    | -           | 46.39      | PEAK     | 74             | Pass    |
|               | Off     | 2500.0   | -56.35      | 2    | 4.84        | 45.75      | AV       | 54             | Pass    |
| $\pi/4$ DQPSK | Off     | 2310.0   | -50.13      | 2    | -           | 47.13      | PEAK     | 74             | Pass    |
|               | Off     | 2310.0   | -57.29      | 2    | 4.84        | 44.81      | AV       | 54             | Pass    |
|               | Off     | 2388.72  | -46.73      | 2    | -           | 50.53      | PEAK     | 74             | Pass    |
|               | Off     | 2341.488 | -54.1       | 2    | 4.84        | 48         | AV       | 54             | Pass    |
|               | Off     | 2390.0   | -49.79      | 2    | -           | 47.47      | PEAK     | 74             | Pass    |
|               | Off     | 2390.0   | -56.86      | 2    | 4.84        | 45.24      | AV       | 54             | Pass    |
|               | Off     | 2483.5   | -46.01      | 2    | -           | 51.25      | PEAK     | 74             | Pass    |
|               | Off     | 2483.5   | -56.07      | 2    | 4.84        | 46.03      | AV       | 54             | Pass    |
|               | Off     | 2483.512 | -46.48      | 2    | -           | 50.78      | PEAK     | 74             | Pass    |
|               | Off     | 2498.2   | -55.9       | 2    | 4.84        | 46.2       | AV       | 54             | Pass    |
|               | Off     | 2500.0   | -47.85      | 2    | -           | 49.41      | PEAK     | 74             | Pass    |
|               | Off     | 2500.0   | -57.17      | 2    | 4.84        | 44.93      | AV       | 54             | Pass    |
| 8DPSK         | Off     | 2310.0   | -49.98      | 2    | -           | 47.28      | PEAK     | 74             | Pass    |
|               | Off     | 2310.0   | -56.17      | 2    | 4.84        | 45.93      | AV       | 54             | Pass    |
|               | Off     | 2311.92  | -45.54      | 2    | -           | 51.72      | PEAK     | 74             | Pass    |
|               | Off     | 2339.664 | -54.32      | 2    | 4.84        | 47.78      | AV       | 54             | Pass    |



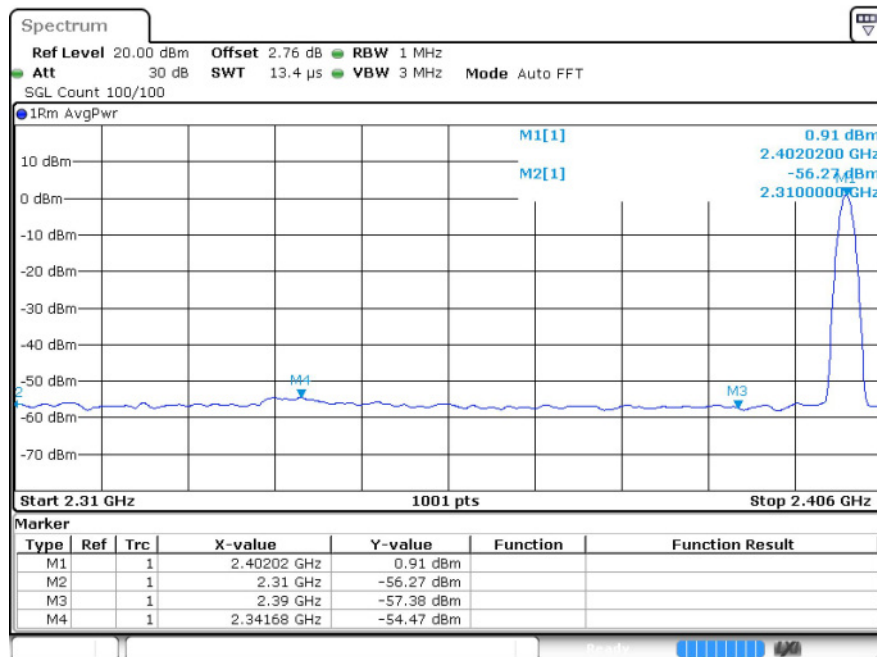
|     |          |        |   |      |       |      |    |      |
|-----|----------|--------|---|------|-------|------|----|------|
| Off | 2390.0   | -51.37 | 2 | -    | 45.89 | PEAK | 74 | Pass |
| Off | 2390.0   | -56.79 | 2 | 4.84 | 45.31 | AV   | 54 | Pass |
| Off | 2483.5   | -48.4  | 2 | -    | 48.86 | PEAK | 74 | Pass |
| Off | 2483.5   | -56.02 | 2 | 4.84 | 46.08 | AV   | 54 | Pass |
| Off | 2486.488 | -47.5  | 2 | -    | 49.76 | PEAK | 74 | Pass |
| Off | 2484.64  | -55.76 | 2 | 4.84 | 46.34 | AV   | 54 | Pass |
| Off | 2500.0   | -47.79 | 2 | -    | 49.47 | PEAK | 74 | Pass |
| Off | 2500.0   | -56.68 | 2 | 4.84 | 45.42 | AV   | 54 | Pass |

## 9.2 Test Graphs

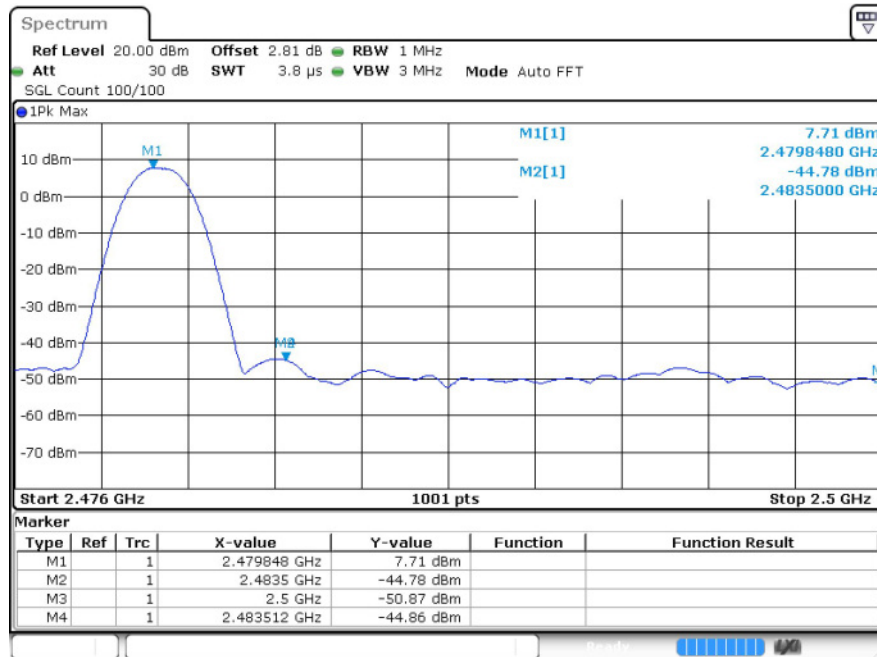
Restrict-band band-edge measurements\_Hopping Off\_ GFSK\_PEAK (Low Channel)



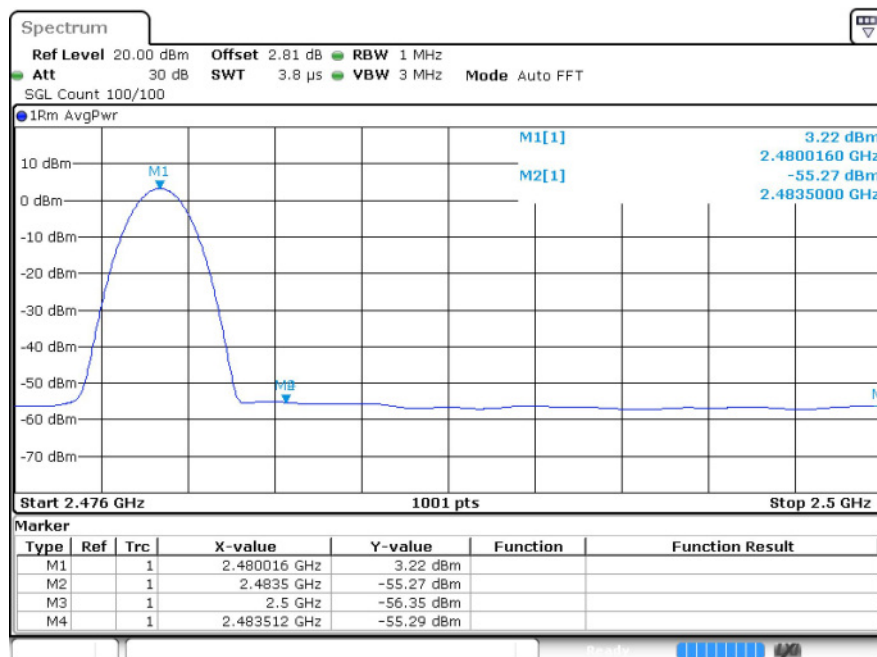
Restrict-band band-edge measurements\_Hopping Off\_ GFSK\_Average (Low Channel)



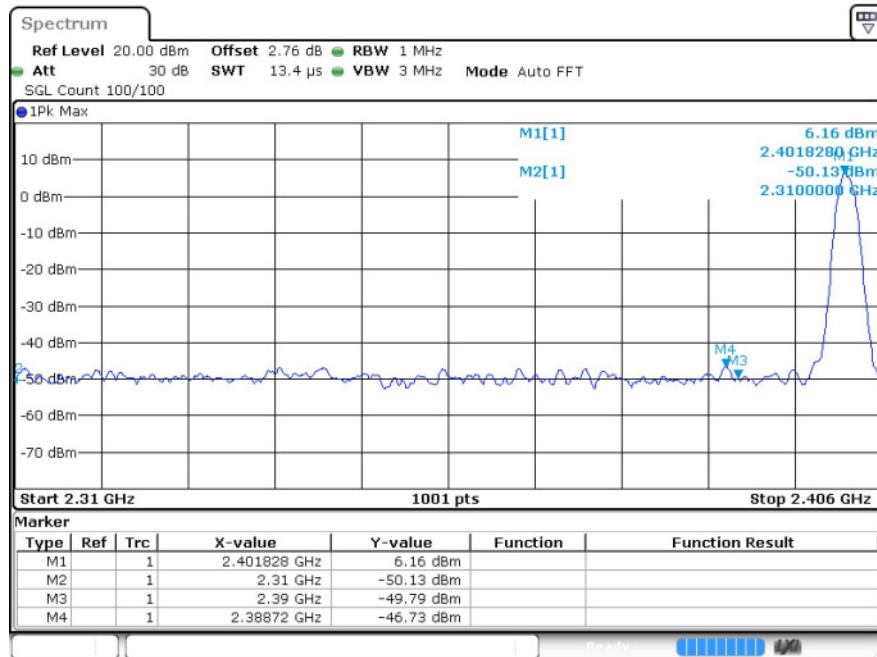
## Restrict-band band-edge measurements\_Hopping Off\_ GFSK\_PEAK (High Channel)



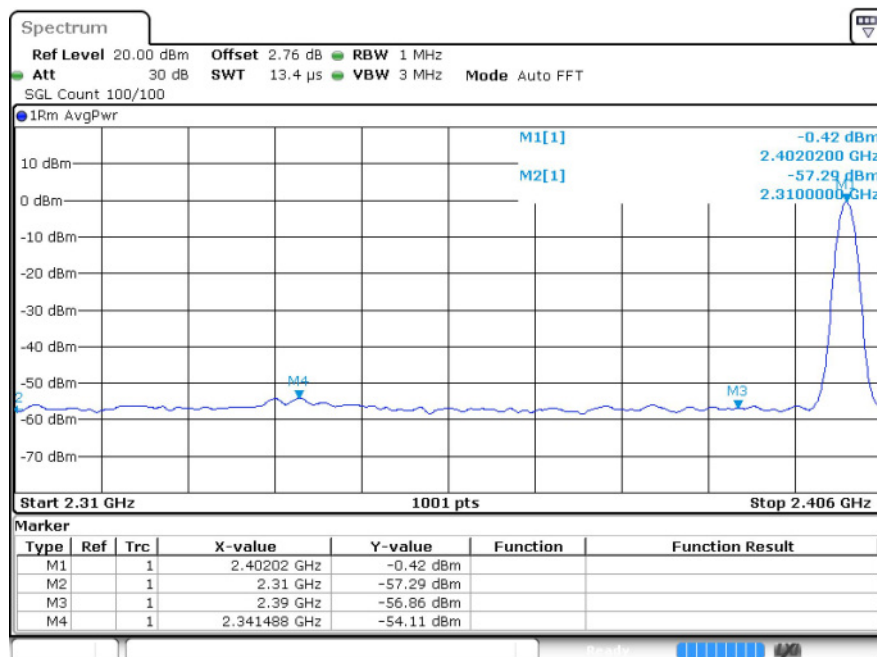
## Restrict-band band-edge measurements\_Hopping Off\_ GFSK\_Average (High Channel)



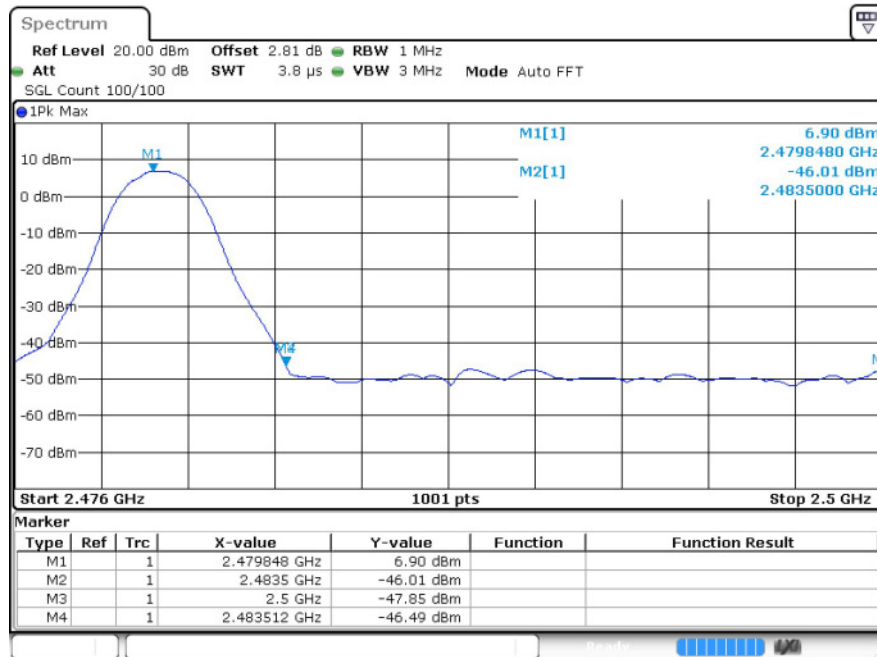
## Restrict-band band-edge measurements\_Hopping Off\_π/4-DQPSK\_PEAK (Low Channel)



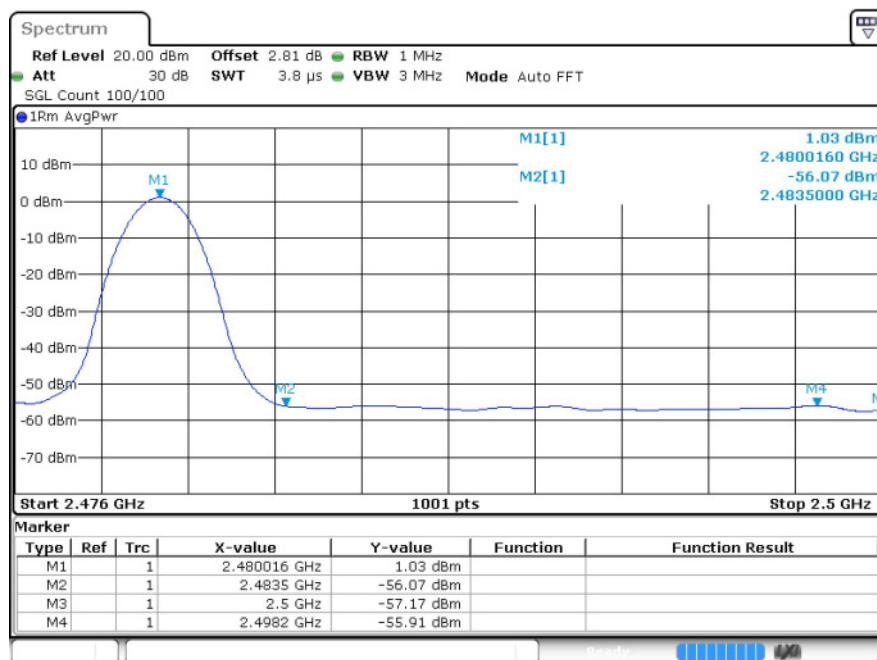
## Restrict-band band-edge measurements\_Hopping Off\_π/4-DQPSK\_Average (Low Channel)



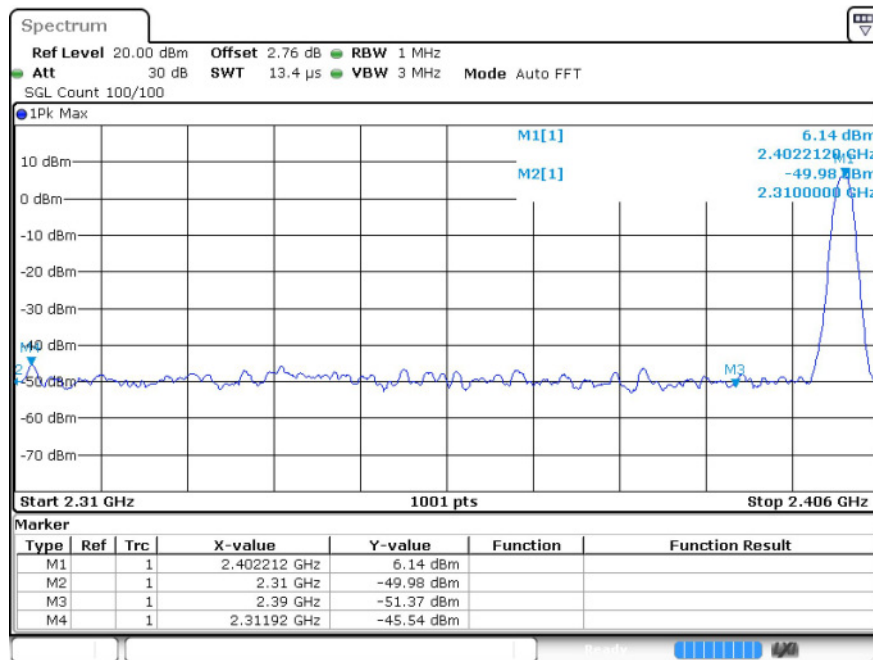
### Restrict-band band-edge measurements\_Hopping Off\_π/4-DQPSK\_PEAK (High Channel)



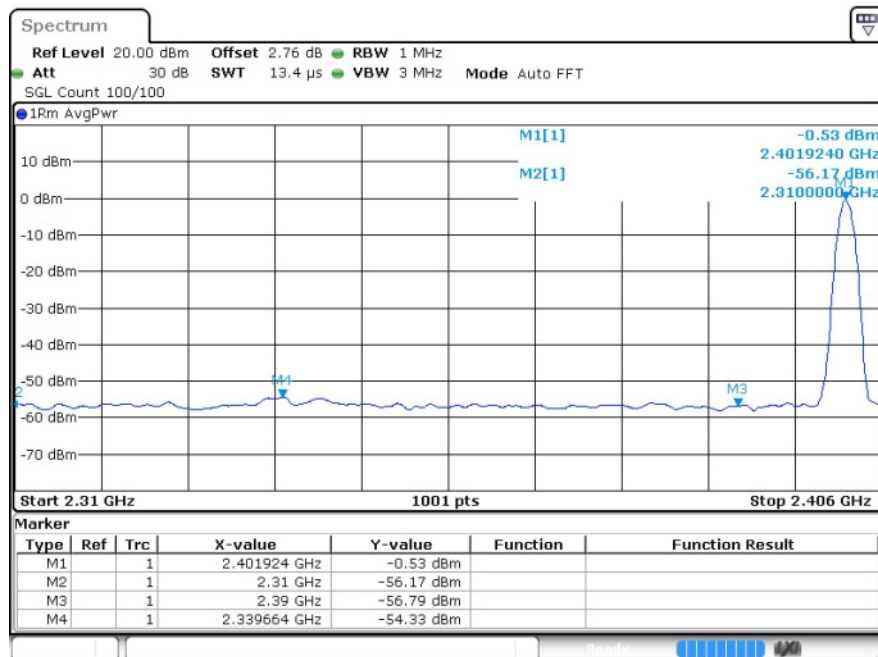
### Restrict-band band-edge measurements\_Hopping Off\_π/4-DQPSK\_Average (High Channel)



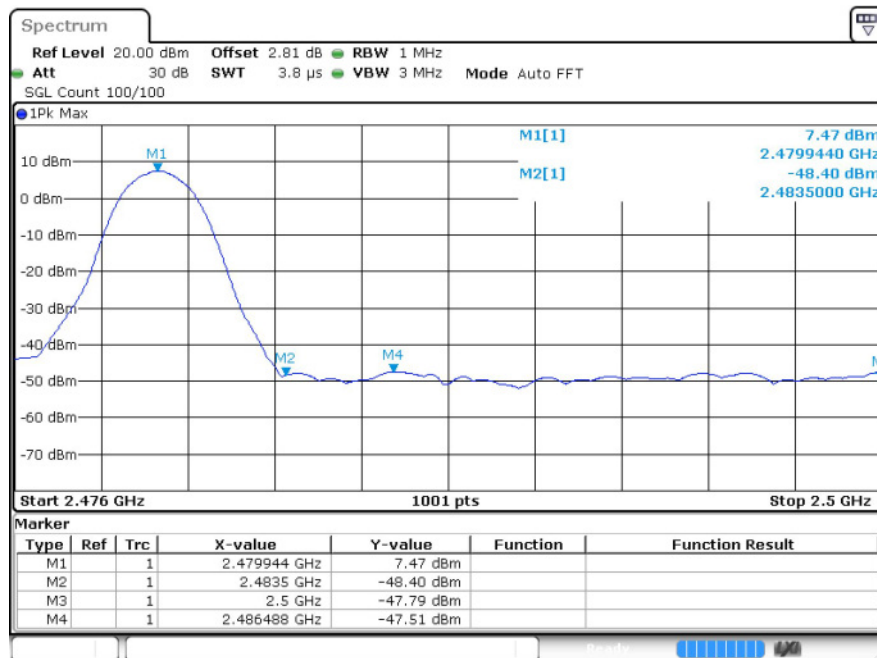
## Restrict-band band-edge measurements\_Hopping Off\_8DPSK\_PEAK (Low Channel)



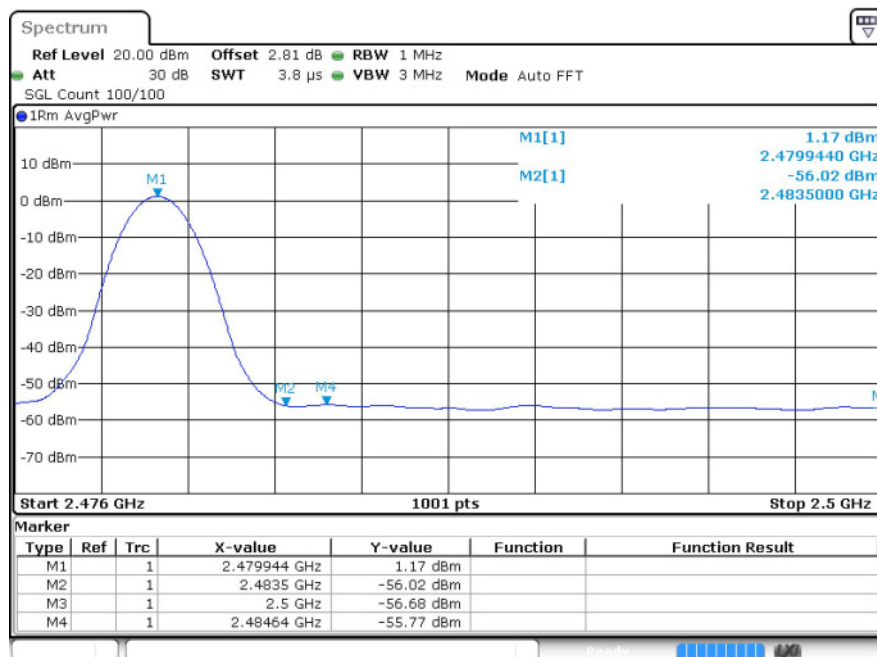
## Restrict-band band-edge measurements\_Hopping Off\_8DPSK\_Average (Low Channel)



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



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



---The End---