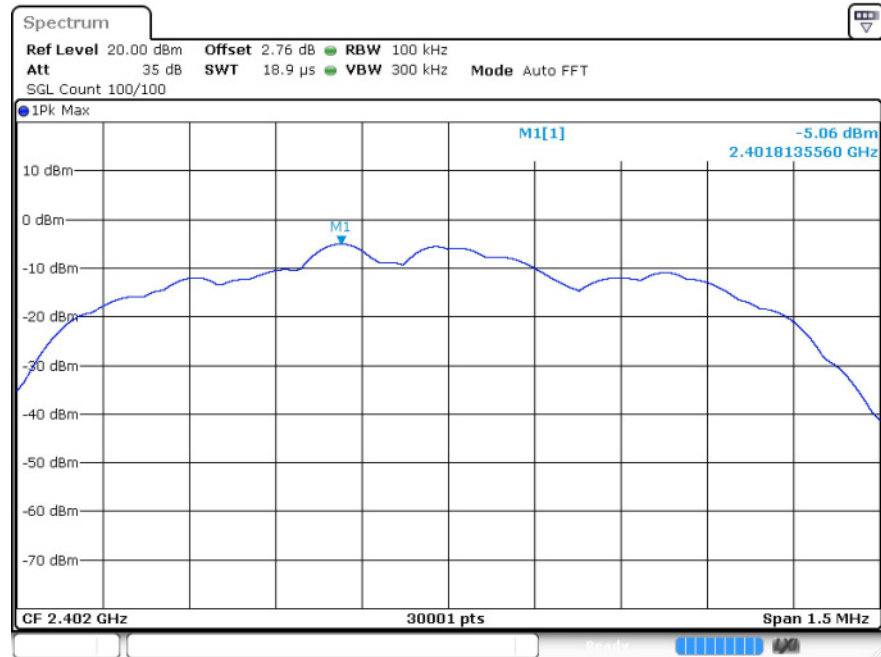
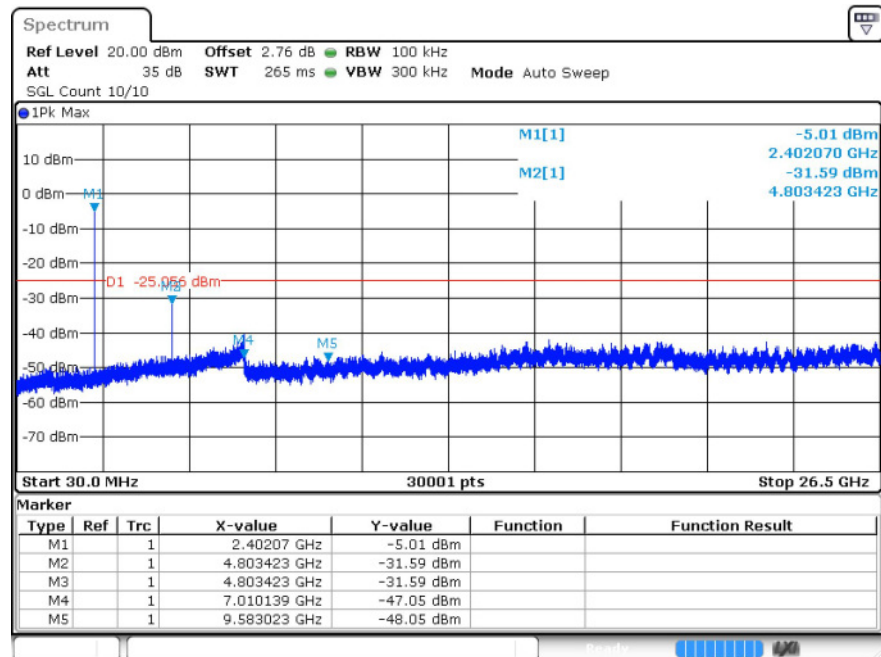


## 8DPSK\_LCH\_Graphs

Pref

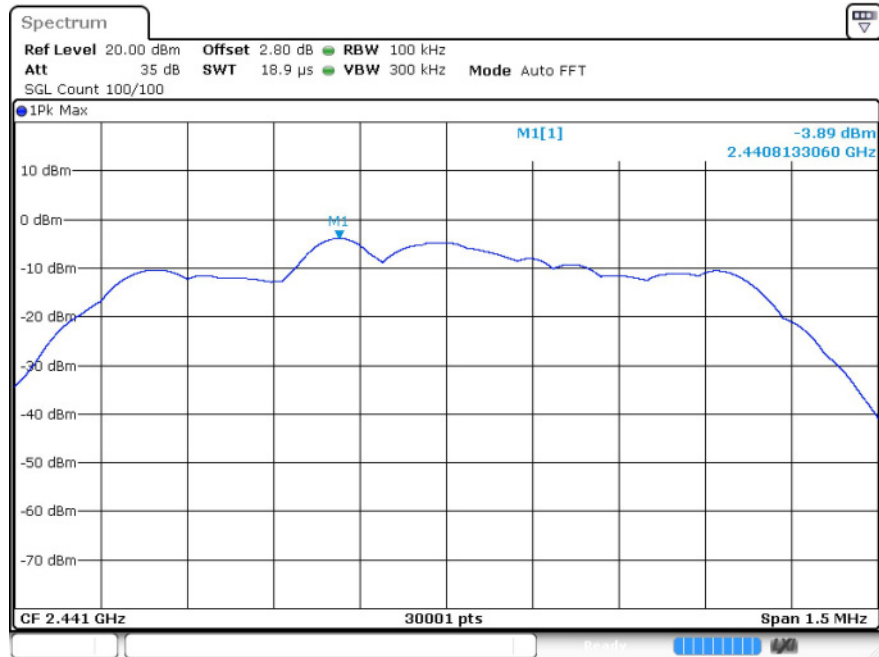


Puw

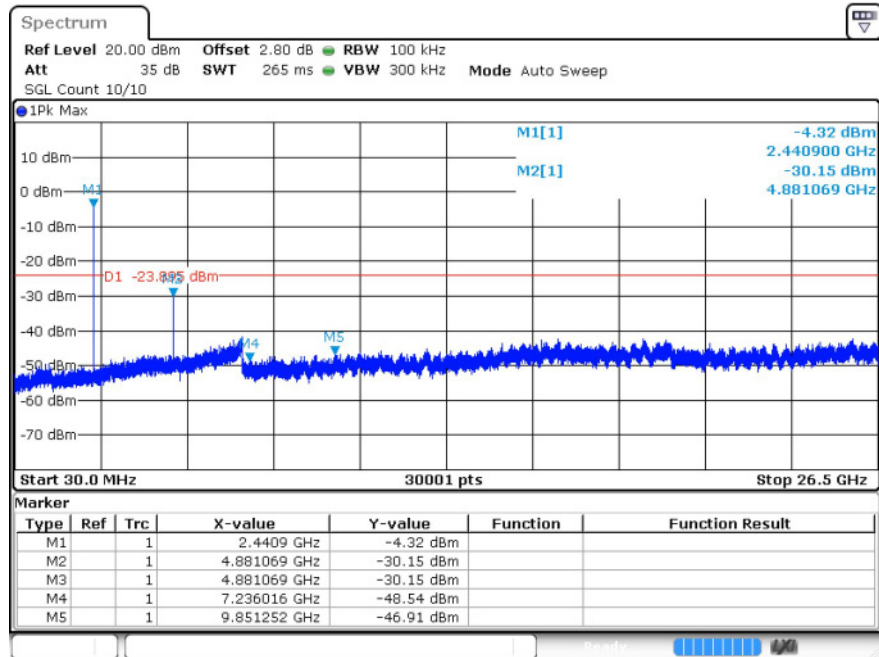


## 8DPSK\_MCH\_Graphs

Pref

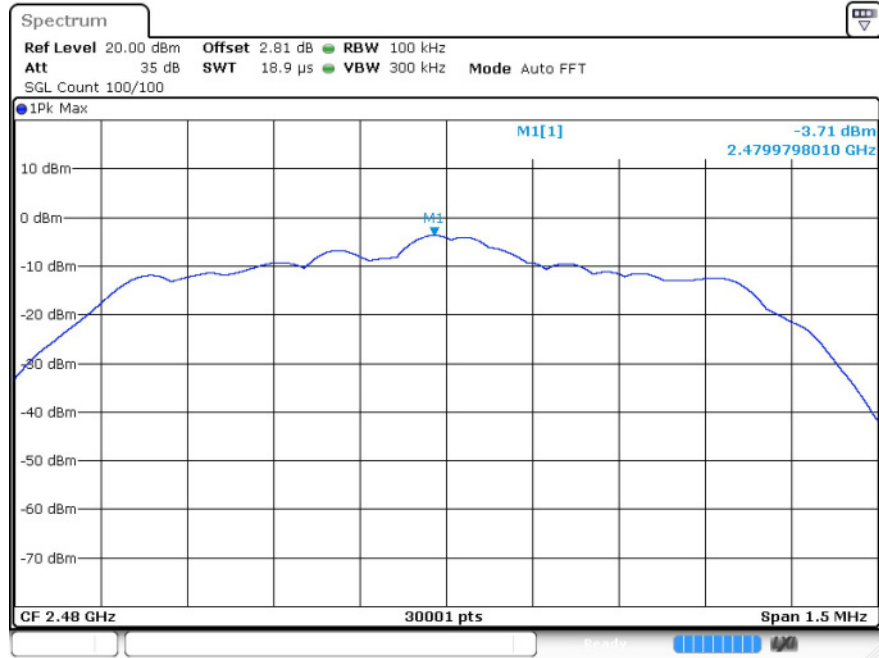


Puw

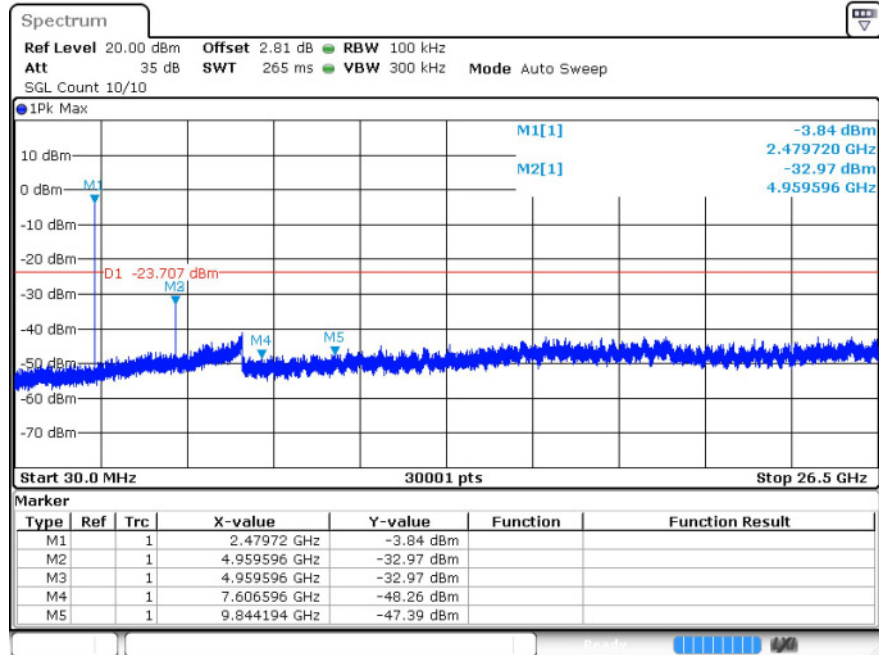


## 8DPSK\_HCH\_Graphs

Pref



Puw

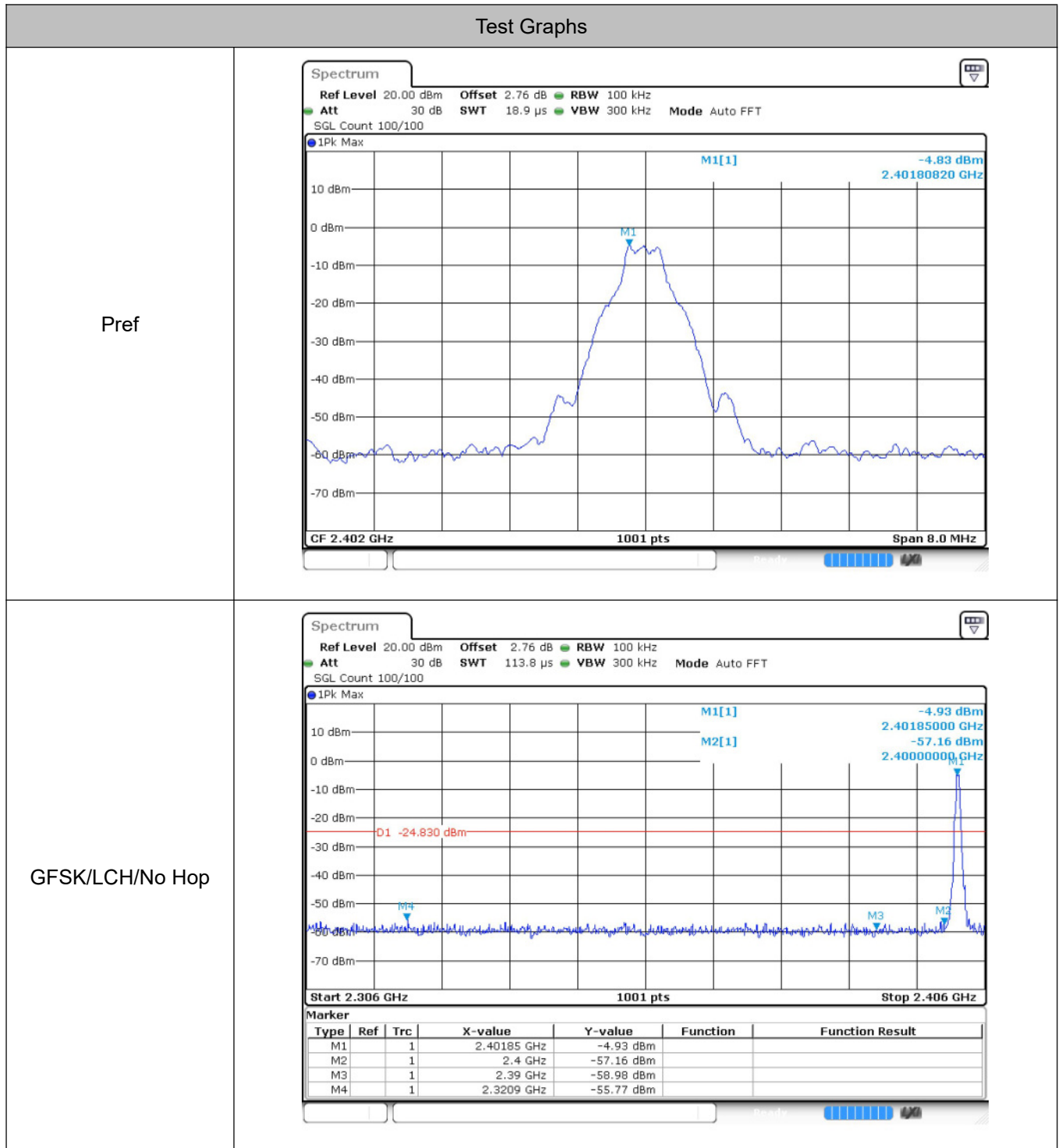


## 8 Band-edge for RF Conducted Emissions

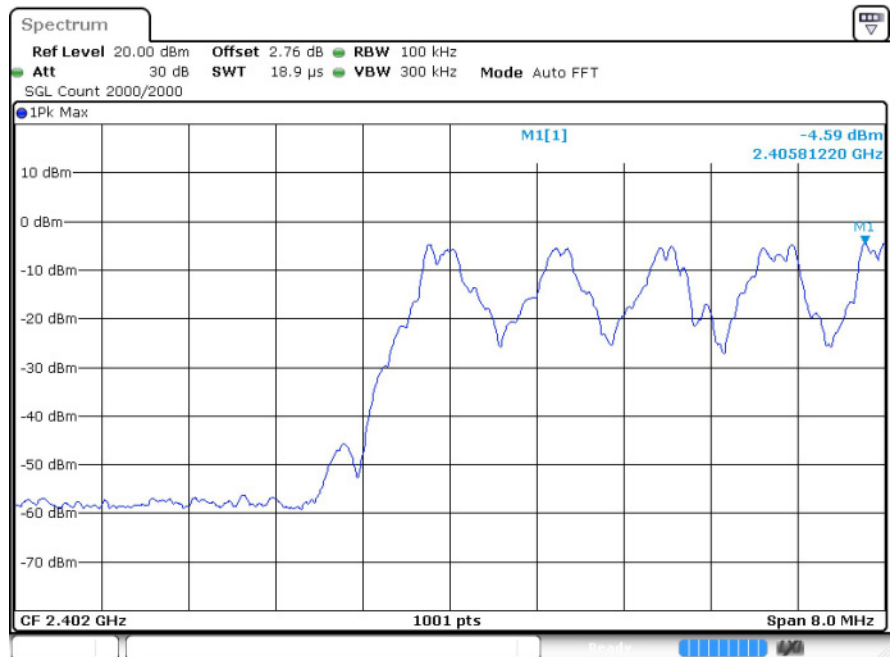
### 8.1 Test Result

| Mode          | Channel | Carrier Frequency [MHz] | Frequency Hopping | Max Spurious Level [dBc] | Limit [dBc] | Verdict |
|---------------|---------|-------------------------|-------------------|--------------------------|-------------|---------|
| GFSK          | LCH     | 2402                    | Off               | -50.93                   | -20         | Pass    |
|               |         |                         | On                | -50.44                   | -20         | Pass    |
|               | HCH     | 2480                    | Off               | -52.51                   | -20         | Pass    |
|               |         |                         | On                | -51.21                   | -20         | Pass    |
| $\pi/4$ DQPSK | LCH     | 2402                    | Off               | -50.66                   | -20         | Pass    |
|               |         |                         | On                | -50.31                   | -20         | Pass    |
|               | HCH     | 2480                    | Off               | -52.71                   | -20         | Pass    |
|               |         |                         | On                | -51.44                   | -20         | Pass    |
| 8DPSK         | LCH     | 2402                    | Off               | -50.78                   | -20         | Pass    |
|               |         |                         | On                | -50.73                   | -20         | Pass    |
|               | HCH     | 2480                    | Off               | -52.68                   | -20         | Pass    |
|               |         |                         | On                | -51.51                   | -20         | Pass    |

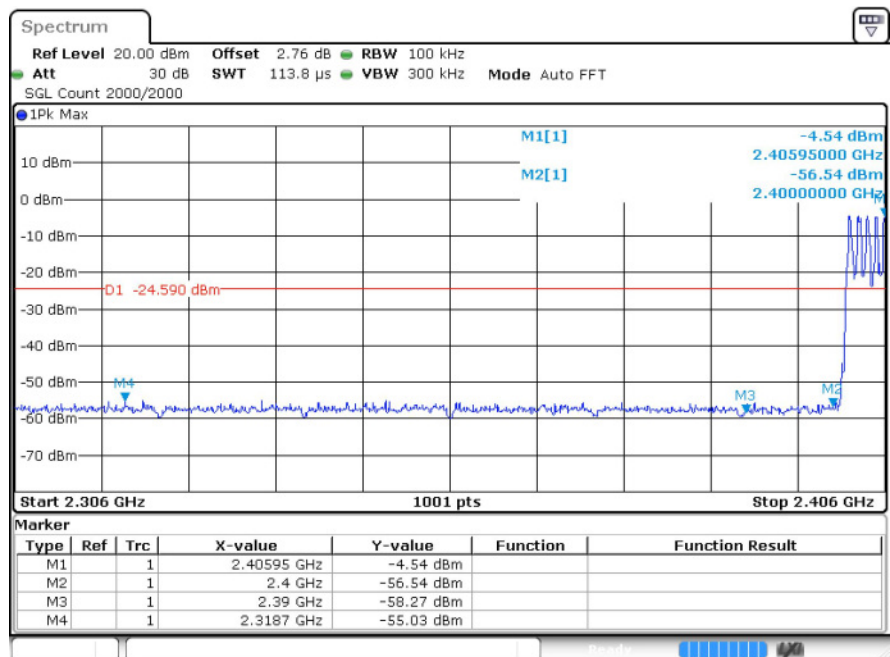
## 8.2 Test Graphs



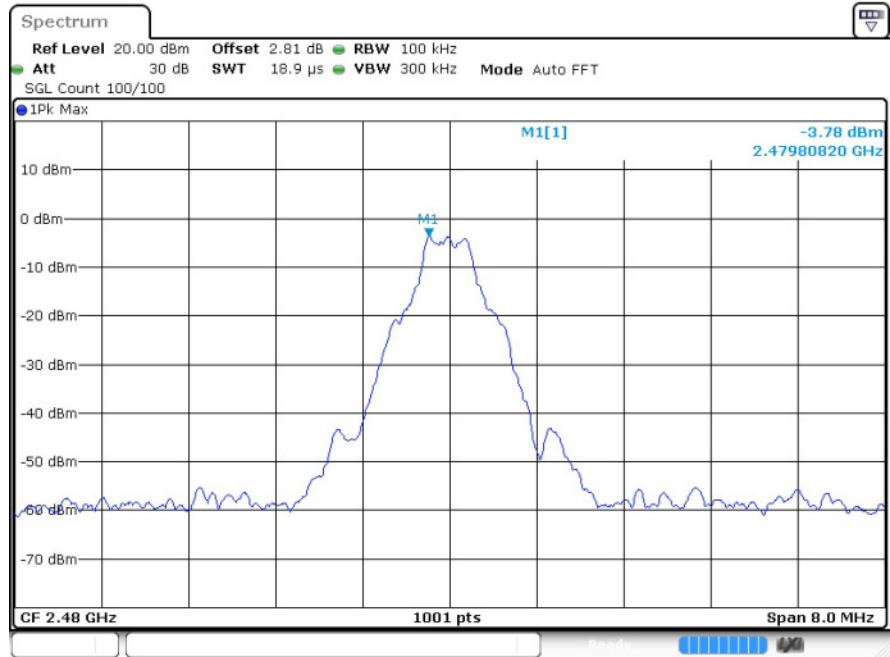
Ref



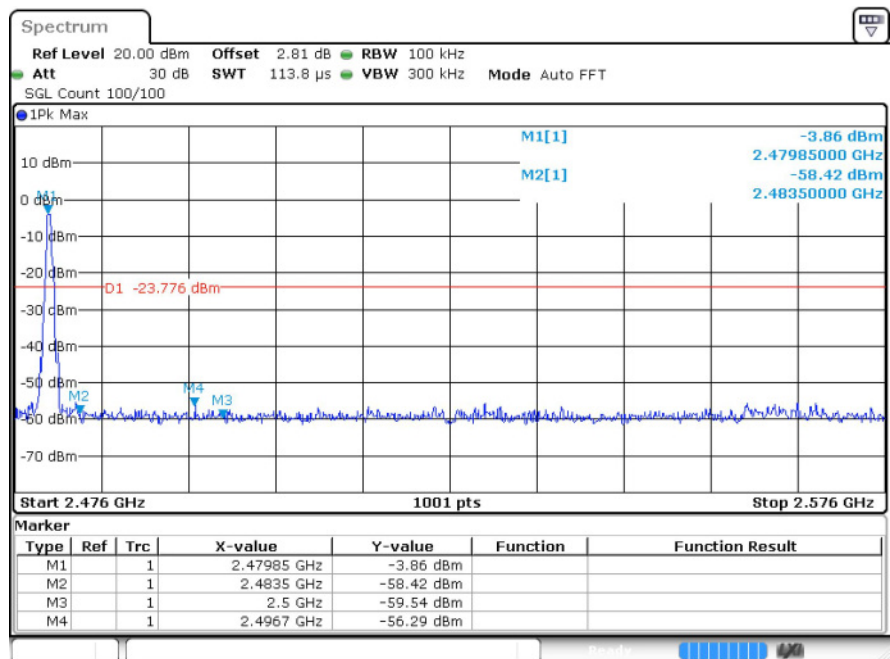
GFSK/LCH/Hop



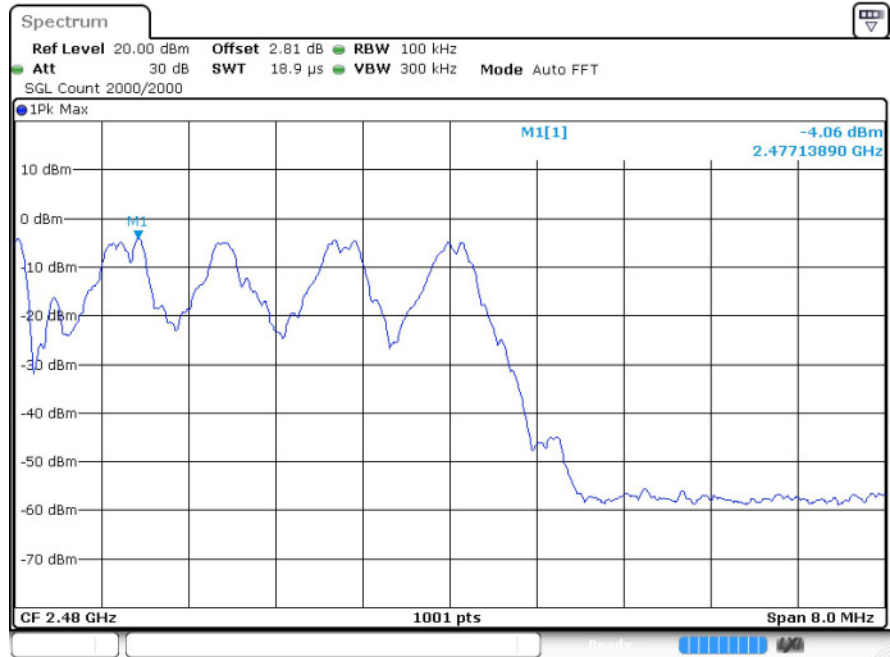
Ref



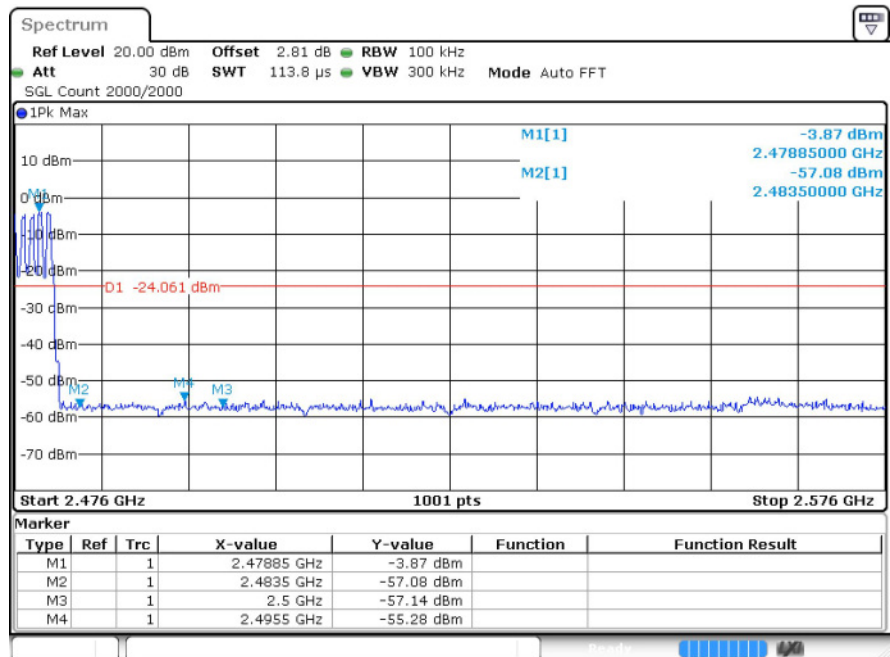
GFSK/HCH/No Hop



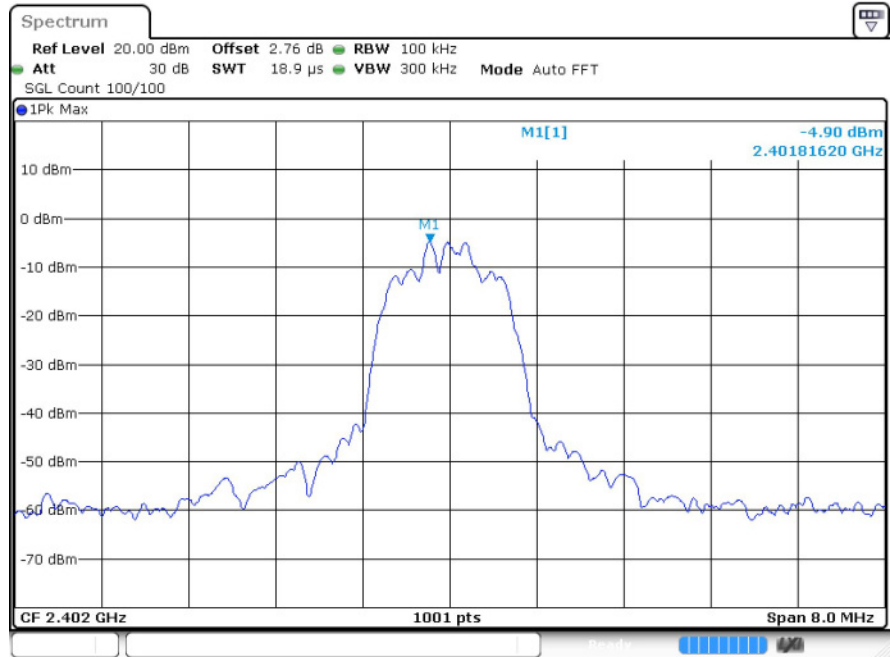
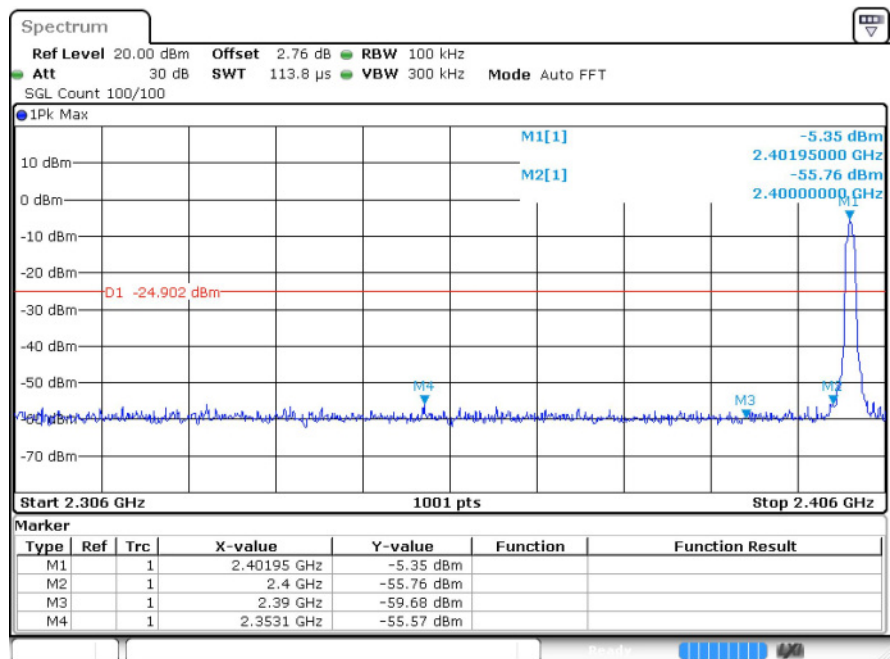
Ref.



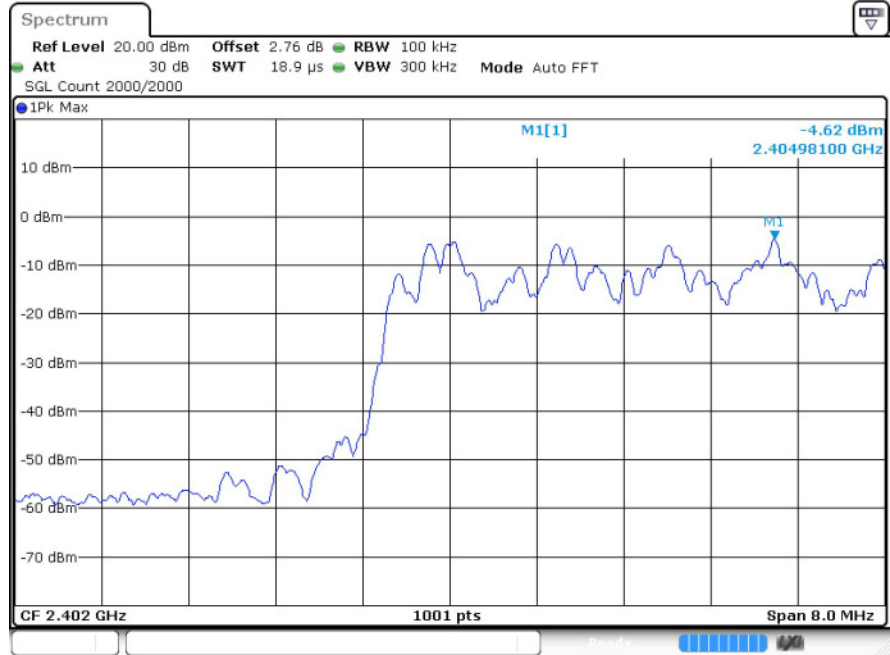
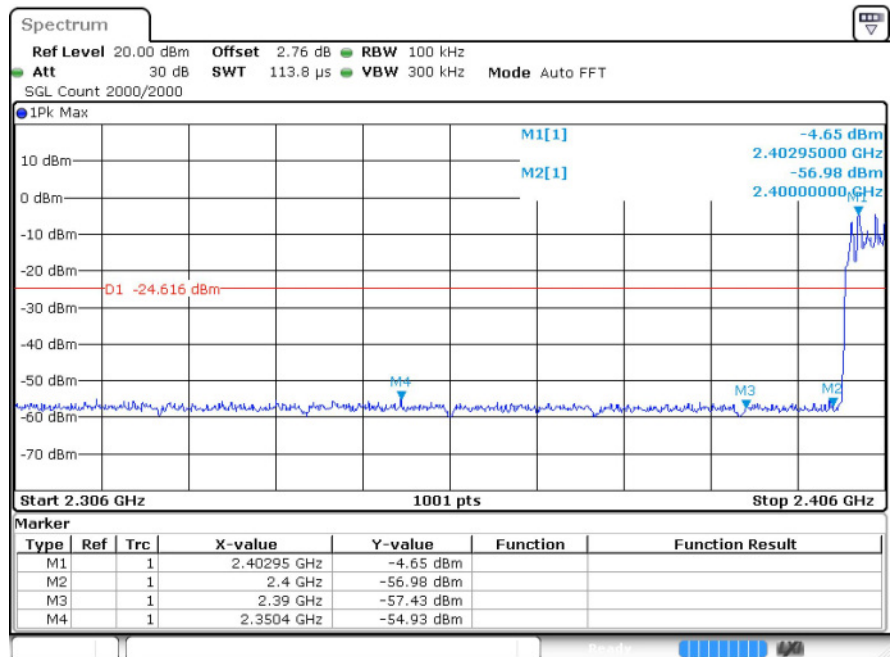
GFSK/HCH/Hop



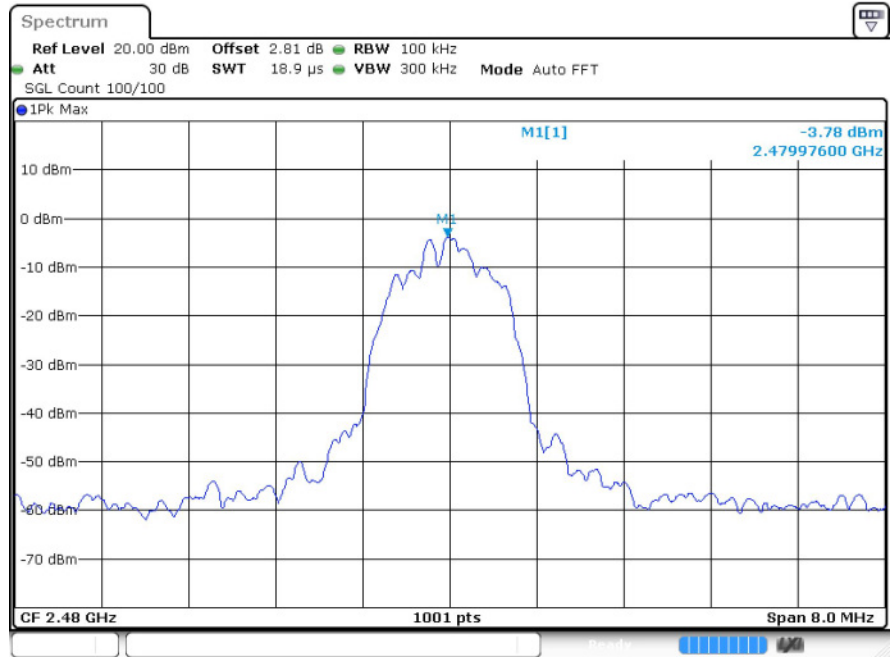
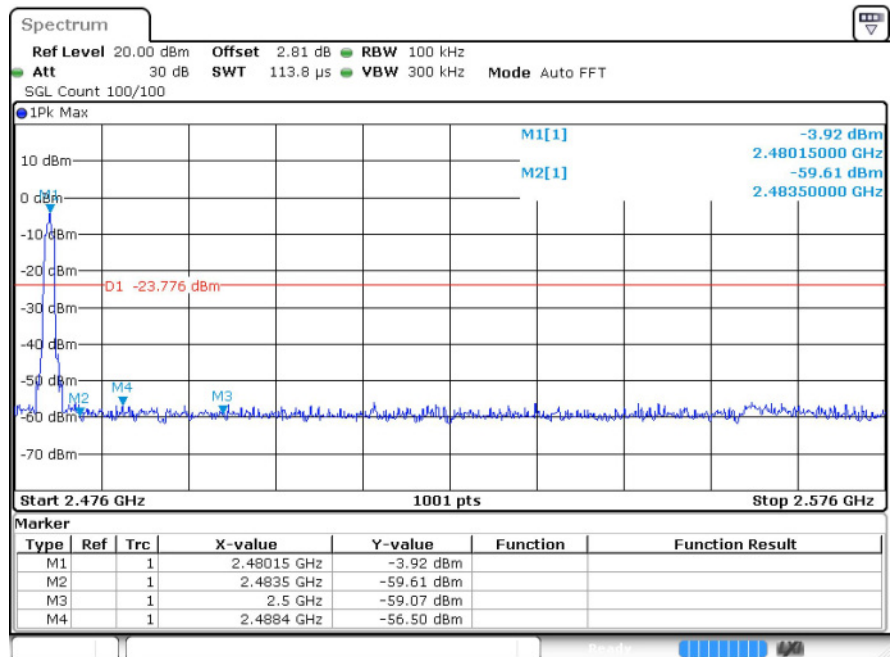
Ref


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


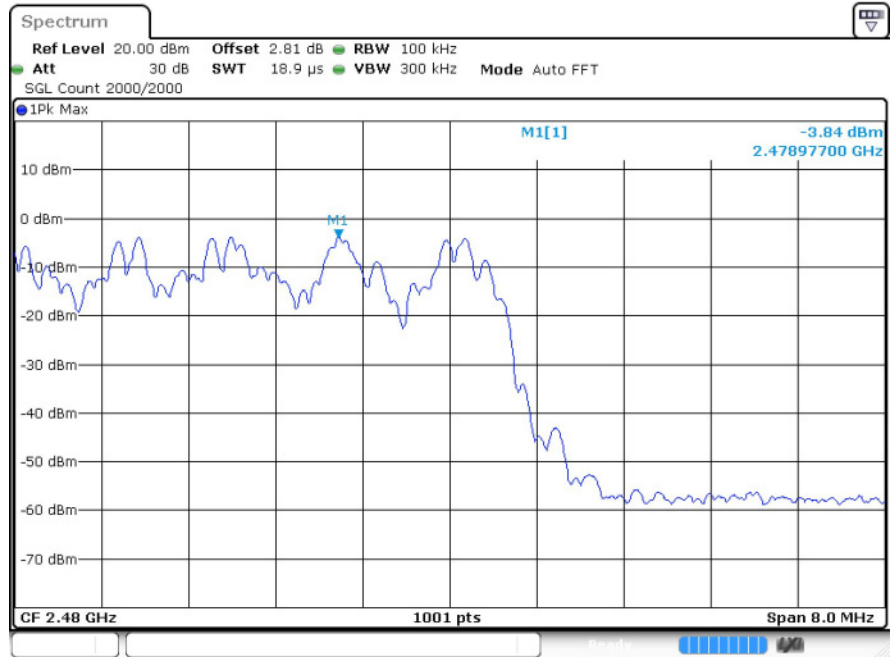
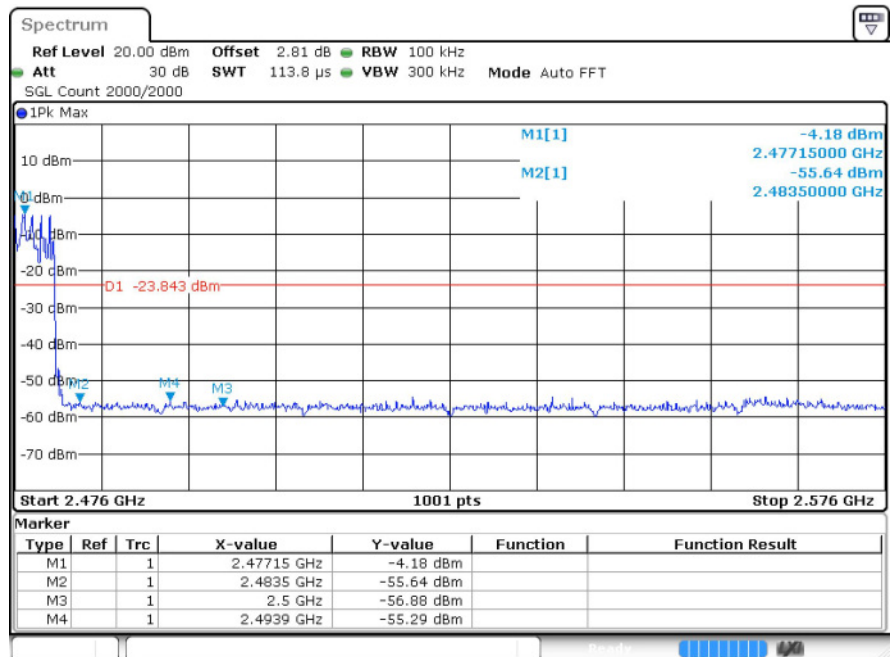
Ref


 $\pi/4$ DQPSK/LCH/Hop


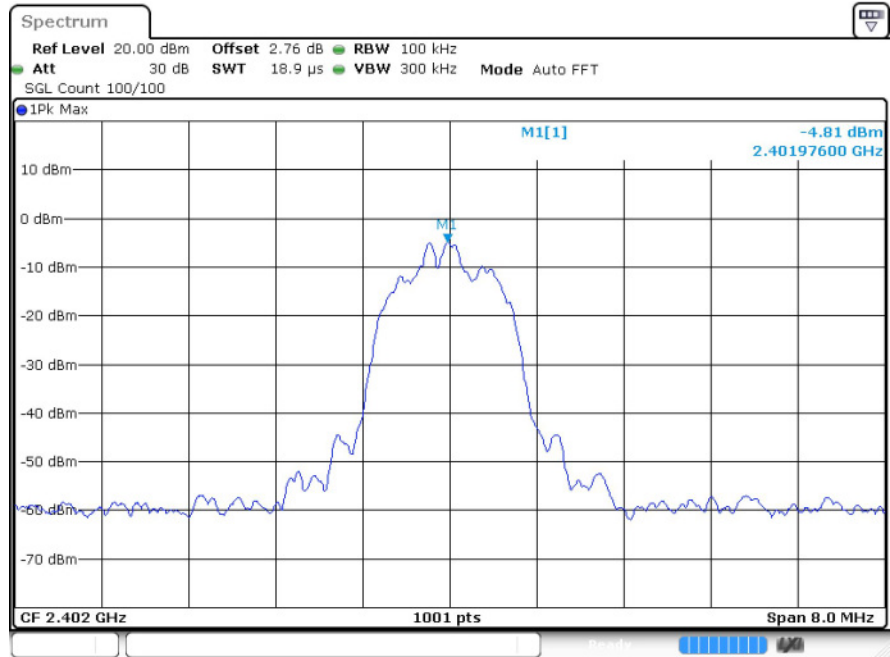
Ref


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


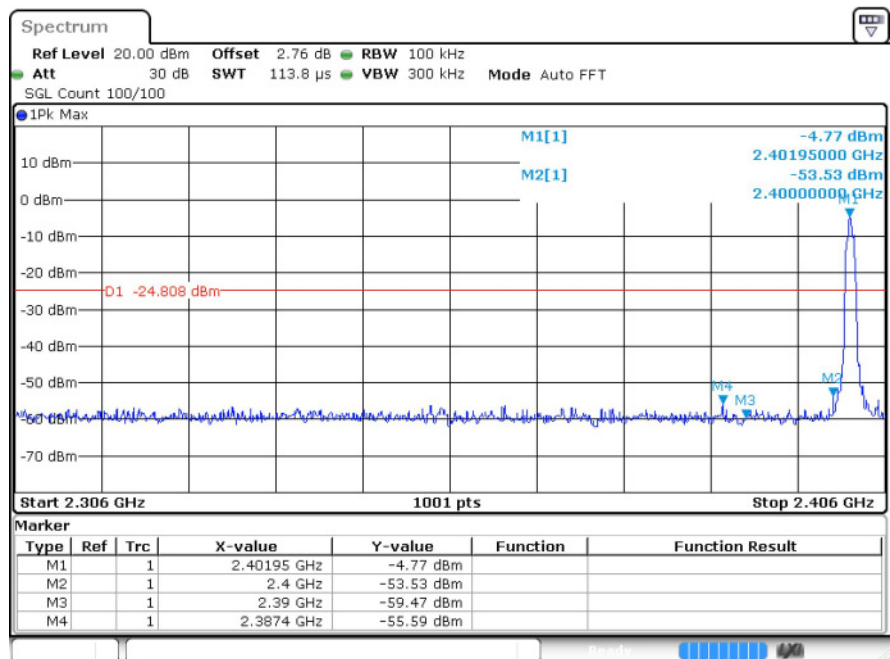
Ref


 $\pi/4$ DQPSK/HCH/Hop


Ref



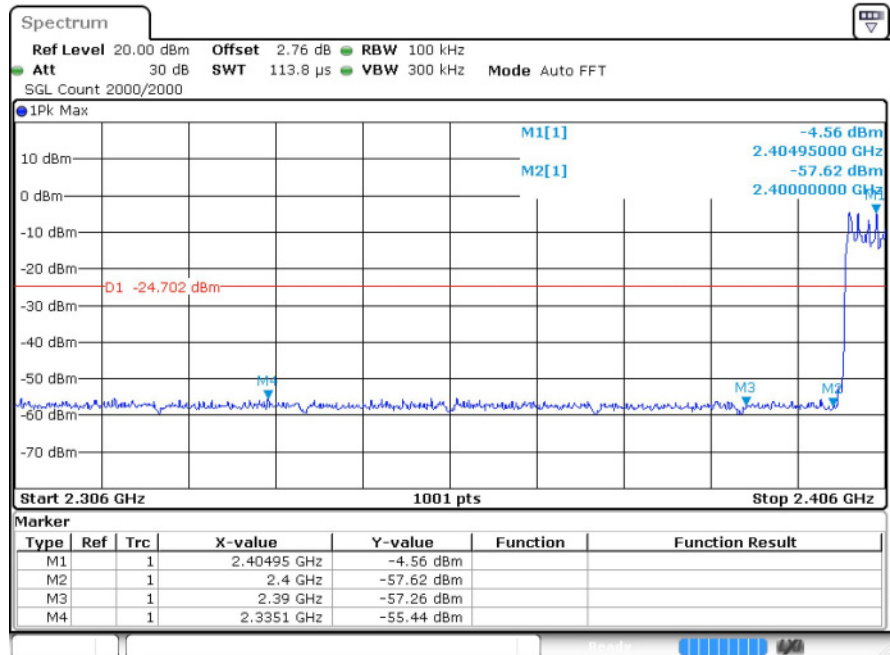
8DPSK/LCH/No Hop



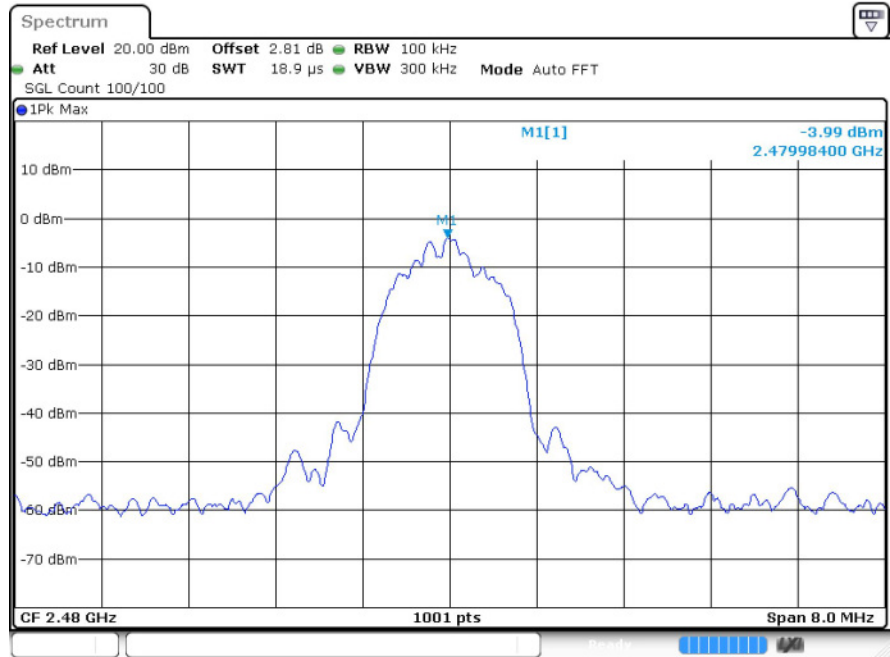
Ref



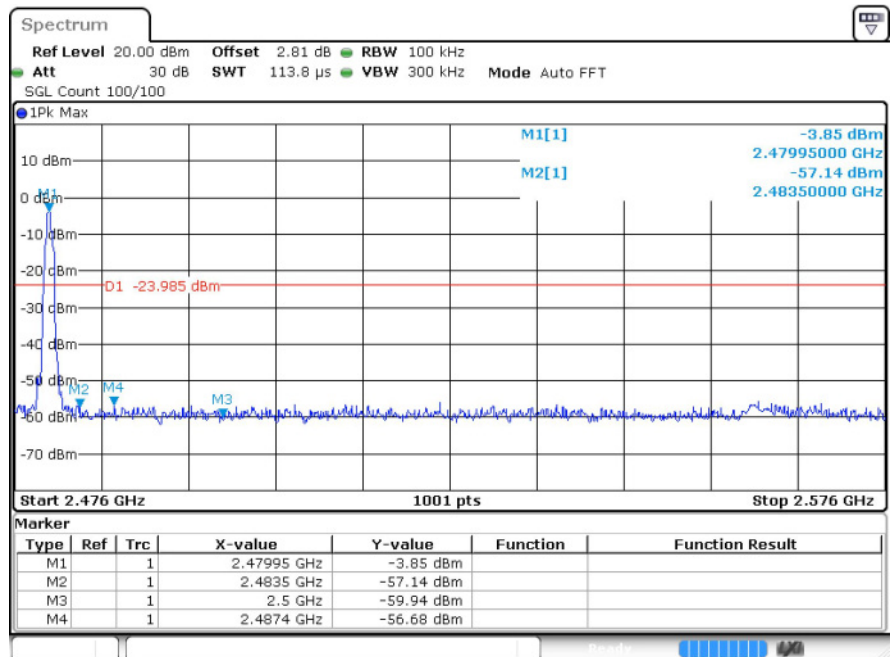
8DPSK/LCH/Hop



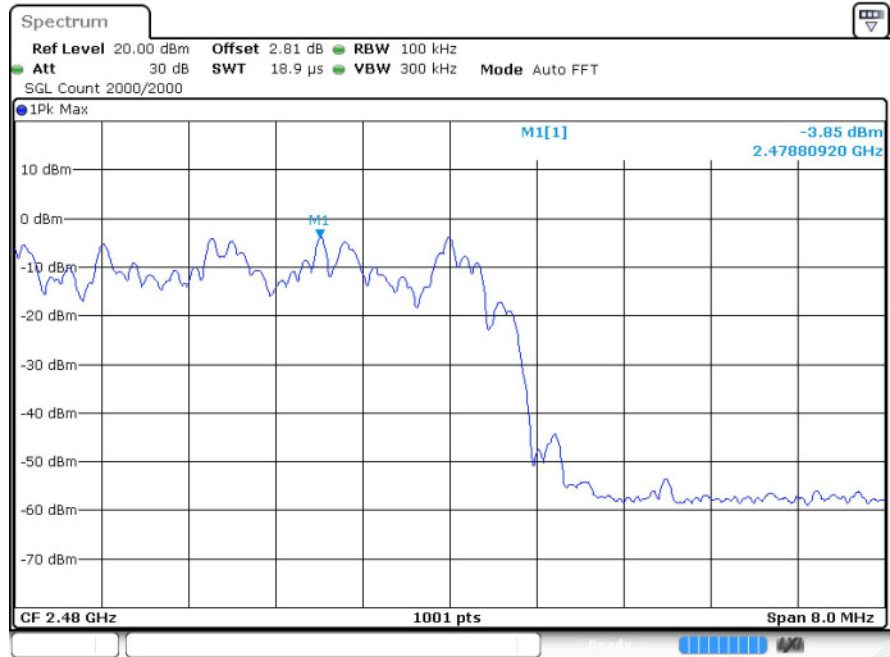
Ref



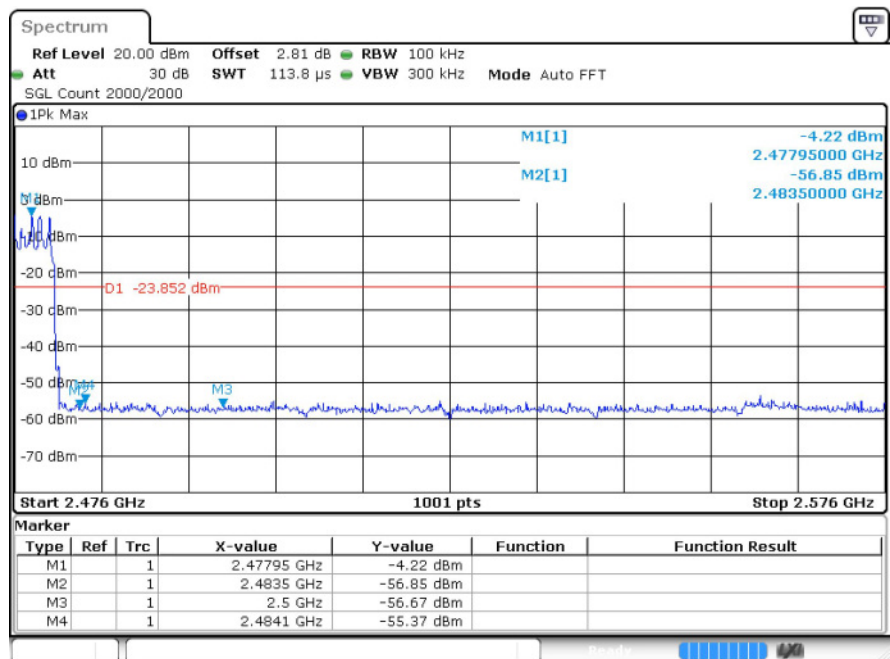
8DPSK/HCH/No Hop



Ref



8DPSK/HCH/Hop



## 9 Restrict-band band-edge measurements

### 9.1 Test Result

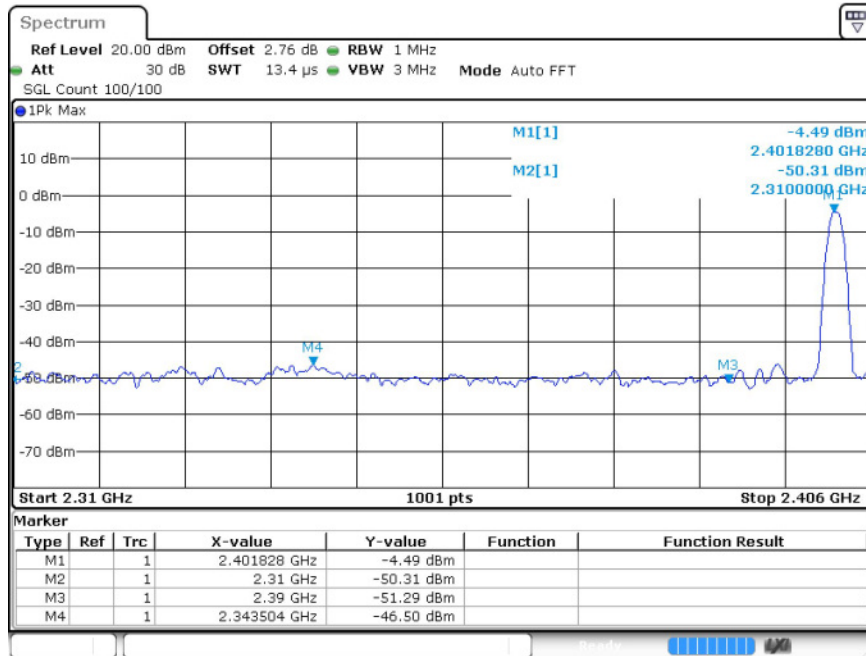
| Test Mode     | Hopping | Freq.    | Power [dBm] | Gain | Duty Factor | E [dBuV/m] | Detector | Limit [dBuV/m] | Verdict |
|---------------|---------|----------|-------------|------|-------------|------------|----------|----------------|---------|
| GFSK          | Off     | 2310.0   | -50.31      | 1.0  | -           | 45.92      | PEAK     | 74             | Pass    |
|               | Off     | 2310.0   | -57.55      | 1.0  | 4.74        | 43.42      | AV       | 54             | Pass    |
|               | Off     | 2343.504 | -46.49      | 1.0  | -           | 49.74      | PEAK     | 74             | Pass    |
|               | Off     | 2344.56  | -54.61      | 1.0  | 4.74        | 46.36      | AV       | 54             | Pass    |
|               | Off     | 2390.0   | -51.29      | 1.0  | -           | 44.94      | PEAK     | 74             | Pass    |
|               | Off     | 2390.0   | -57.52      | 1.0  | 4.74        | 43.45      | AV       | 54             | Pass    |
|               | Off     | 2483.5   | -49.39      | 1.0  | -           | 46.84      | PEAK     | 74             | Pass    |
|               | Off     | 2483.5   | -56.96      | 1.0  | 4.74        | 44.01      | AV       | 54             | Pass    |
|               | Off     | 2499.472 | -48.55      | 1.0  | -           | 47.68      | PEAK     | 74             | Pass    |
|               | Off     | 2486.368 | -55.08      | 1.0  | 4.74        | 45.89      | AV       | 54             | Pass    |
|               | Off     | 2500.0   | -48.97      | 1.0  | -           | 47.26      | PEAK     | 74             | Pass    |
|               | Off     | 2500.0   | -56.67      | 1.0  | 4.74        | 44.3       | AV       | 54             | Pass    |
| $\pi/4$ DQPSK | Off     | 2310.0   | -50.76      | 1.0  | -           | 45.47      | PEAK     | 74             | Pass    |
|               | Off     | 2310.0   | -56.26      | 1.0  | 4.69        | 44.66      | AV       | 54             | Pass    |
|               | Off     | 2345.328 | -46.5       | 1.0  | -           | 49.73      | PEAK     | 74             | Pass    |
|               | Off     | 2339.376 | -54.86      | 1.0  | 4.69        | 46.06      | AV       | 54             | Pass    |
|               | Off     | 2390.0   | -50.96      | 1.0  | -           | 45.27      | PEAK     | 74             | Pass    |
|               | Off     | 2390.0   | -57.16      | 1.0  | 4.69        | 43.76      | AV       | 54             | Pass    |
|               | Off     | 2483.5   | -48.16      | 1.0  | -           | 48.07      | PEAK     | 74             | Pass    |
|               | Off     | 2483.5   | -56.7       | 1.0  | 4.63        | 44.16      | AV       | 54             | Pass    |
|               | Off     | 2487.04  | -47.17      | 1.0  | -           | 49.06      | PEAK     | 74             | Pass    |
|               | Off     | 2493.4   | -55.55      | 1.0  | 4.63        | 45.31      | AV       | 54             | Pass    |
|               | Off     | 2500.0   | -50.93      | 1.0  | -           | 45.3       | PEAK     | 74             | Pass    |
|               | Off     | 2500.0   | -57.11      | 1.0  | 4.63        | 43.75      | AV       | 54             | Pass    |
| 8DPSK         | Off     | 2310.0   | -48.76      | 1.0  | -           | 47.47      | PEAK     | 74             | Pass    |
|               | Off     | 2310.0   | -56.36      | 1.0  | 4.63        | 44.5       | AV       | 54             | Pass    |
|               | Off     | 2340.144 | -46.09      | 1.0  | -           | 50.14      | PEAK     | 74             | Pass    |
|               | Off     | 2340.72  | -54.59      | 1.0  | 4.63        | 46.27      | AV       | 54             | Pass    |



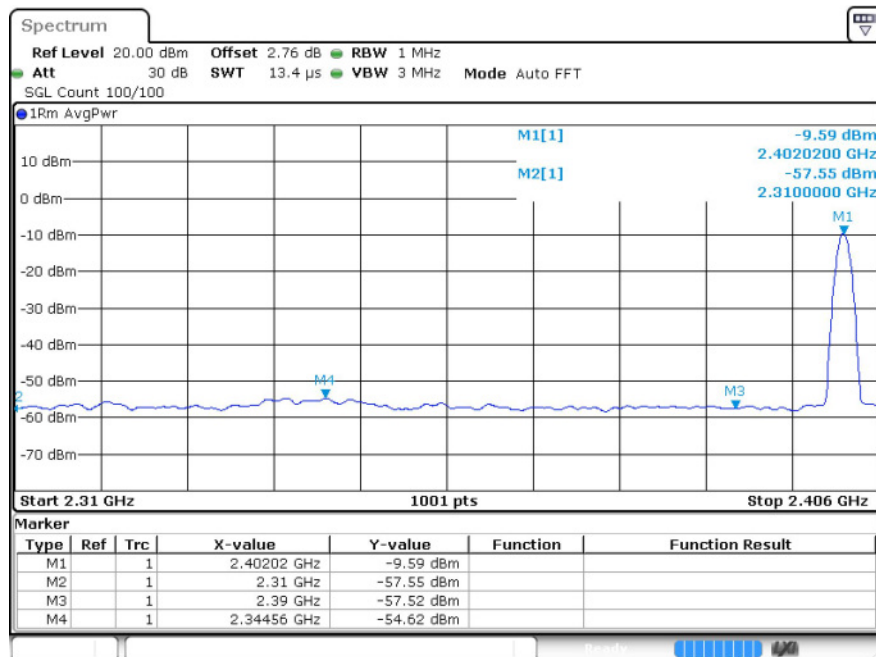
|     |          |        |     |      |       |      |    |      |
|-----|----------|--------|-----|------|-------|------|----|------|
| Off | 2390.0   | -50.67 | 1.0 | -    | 45.56 | PEAK | 74 | Pass |
| Off | 2390.0   | -56.8  | 1.0 | 4.63 | 44.06 | AV   | 54 | Pass |
| Off | 2483.5   | -48.63 | 1.0 | -    | 47.6  | PEAK | 74 | Pass |
| Off | 2483.5   | -56.1  | 1.0 | 4.63 | 44.76 | AV   | 54 | Pass |
| Off | 2497.528 | -47.28 | 1.0 | -    | 48.95 | PEAK | 74 | Pass |
| Off | 2483.608 | -56.05 | 1.0 | 4.63 | 44.81 | AV   | 54 | Pass |
| Off | 2500.0   | -49.27 | 1.0 | -    | 46.96 | PEAK | 74 | Pass |
| Off | 2500.0   | -56.92 | 1.0 | 4.63 | 43.94 | AV   | 54 | Pass |

## 9.2 Test Graphs

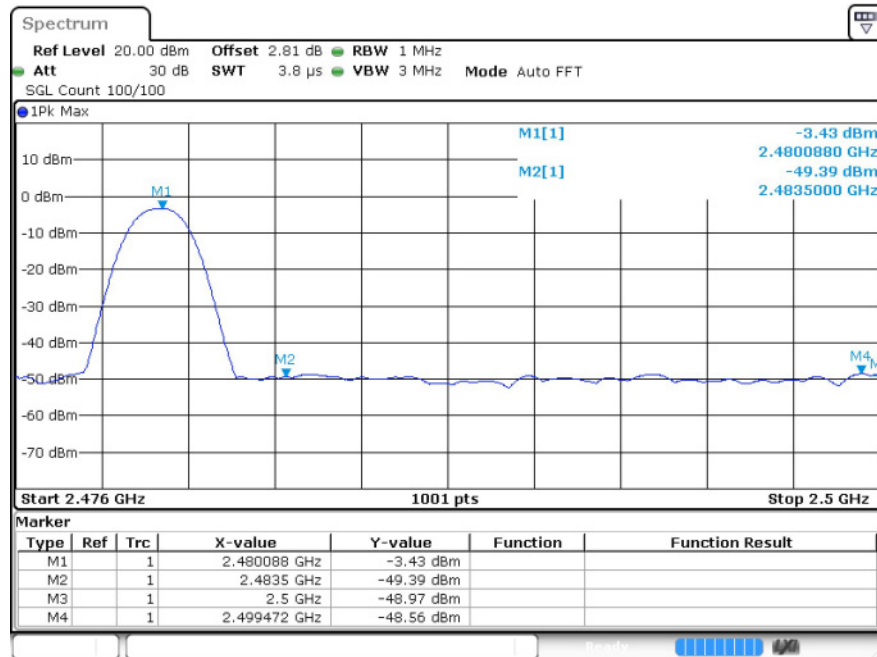
Restrict-band band-edge measurements\_Hopping Off\_ GFSK\_PEAK (Low Channel)



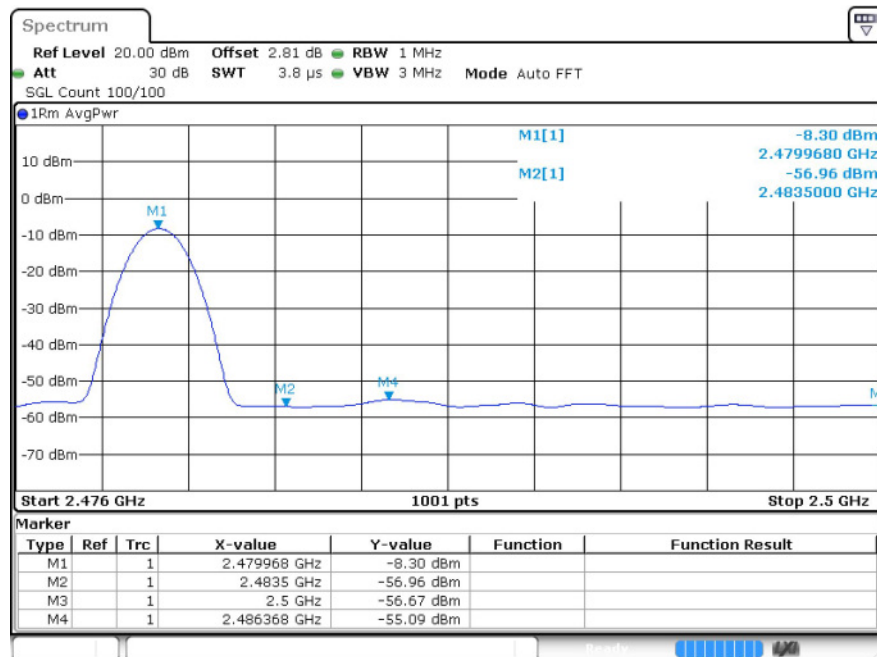
Restrict-band band-edge measurements\_Hopping Off\_ GFSK\_Average (Low Channel)



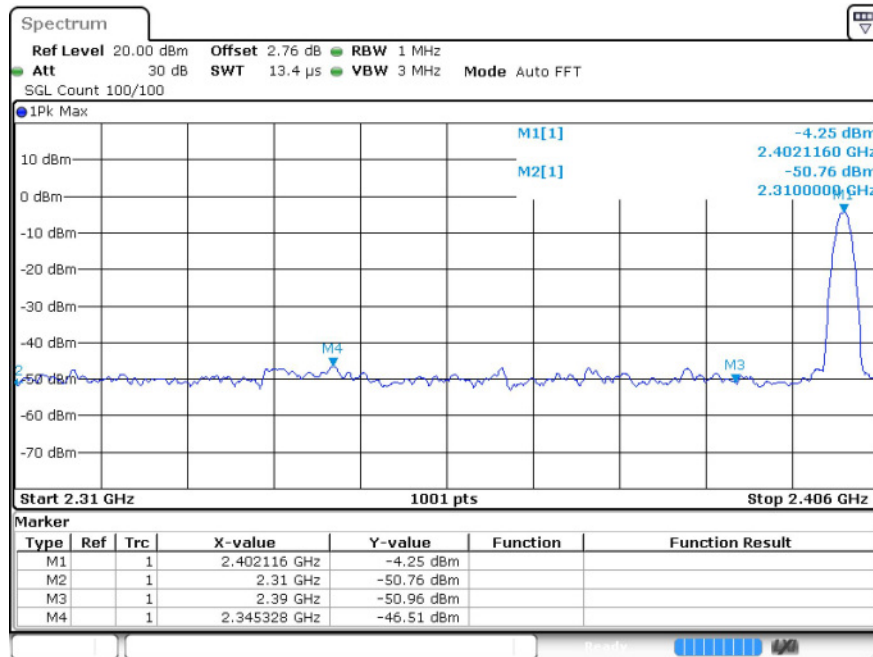
## Restrict-band band-edge measurements\_Hopping Off\_ GFSK\_PEAK (High Channel)



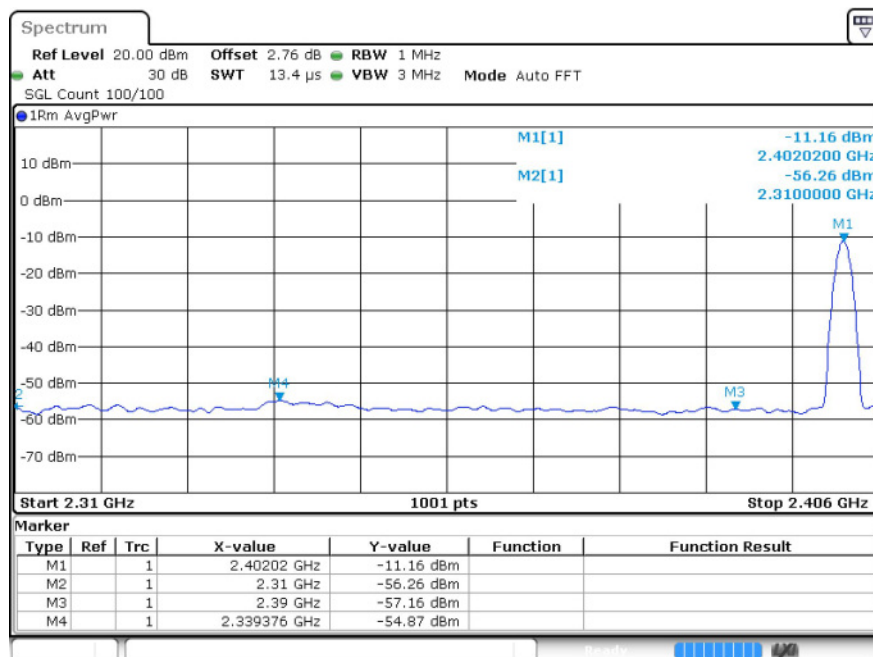
## Restrict-band band-edge measurements\_Hopping Off\_ GFSK\_Average (High Channel)



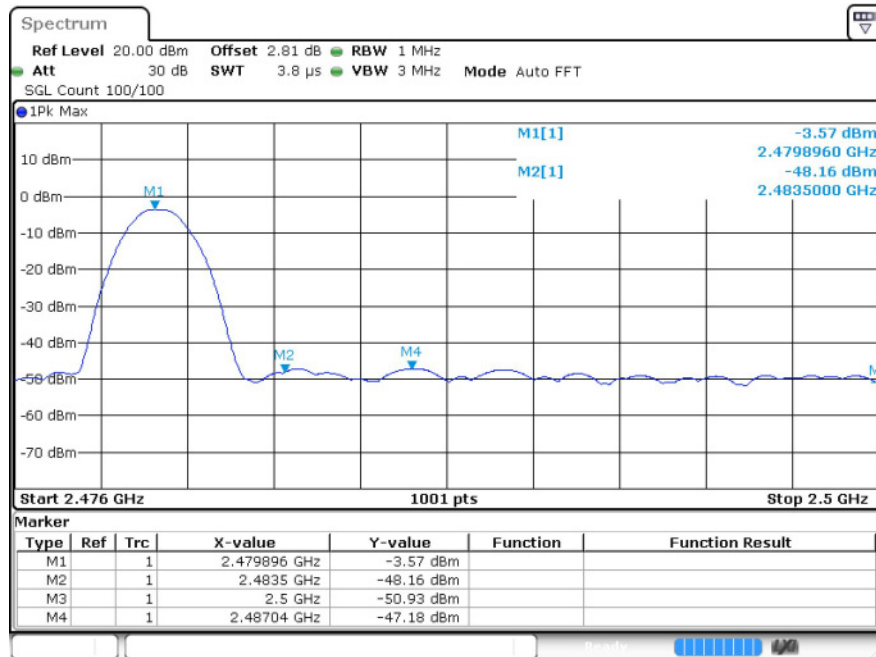
## Restrict-band band-edge measurements\_Hopping Off\_π/4-DQPSK\_PEAK (Low Channel)



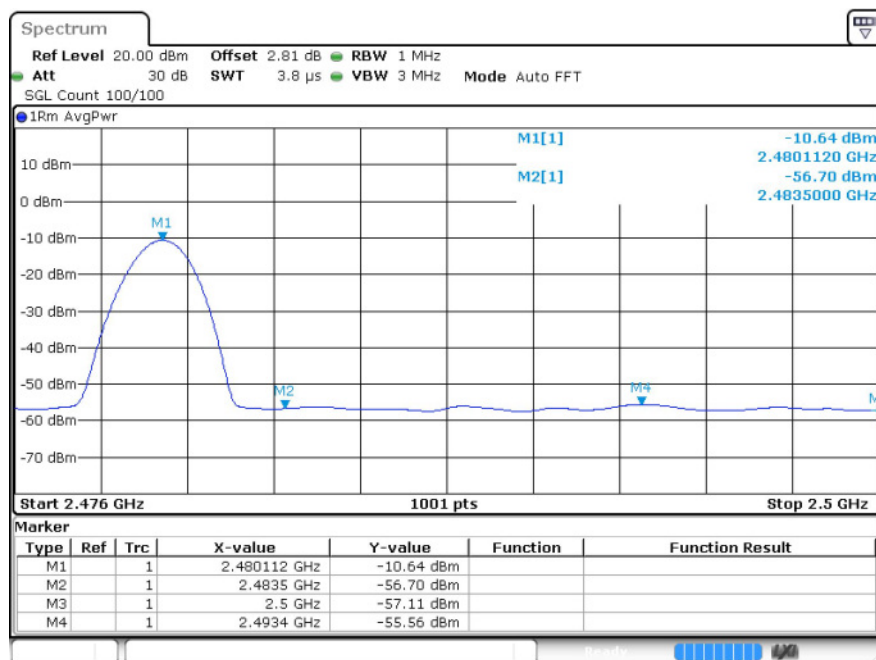
## Restrict-band band-edge measurements\_Hopping Off\_π/4-DQPSK\_Average (Low Channel)



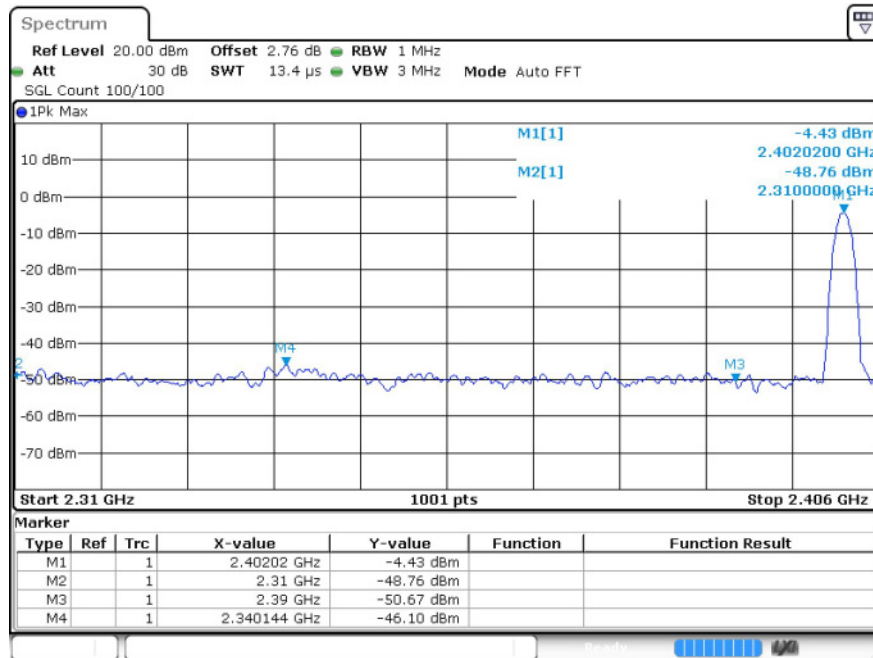
## Restrict-band band-edge measurements\_Hopping Off\_π/4-DQPSK\_PEAK (High Channel)



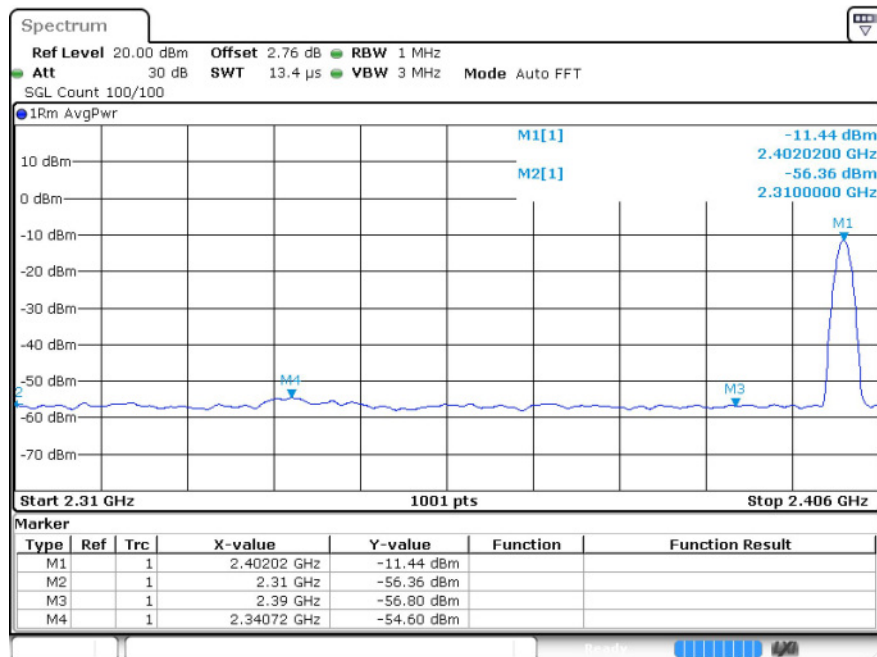
## Restrict-band band-edge measurements\_Hopping Off\_π/4-DQPSK\_Average (High Channel)



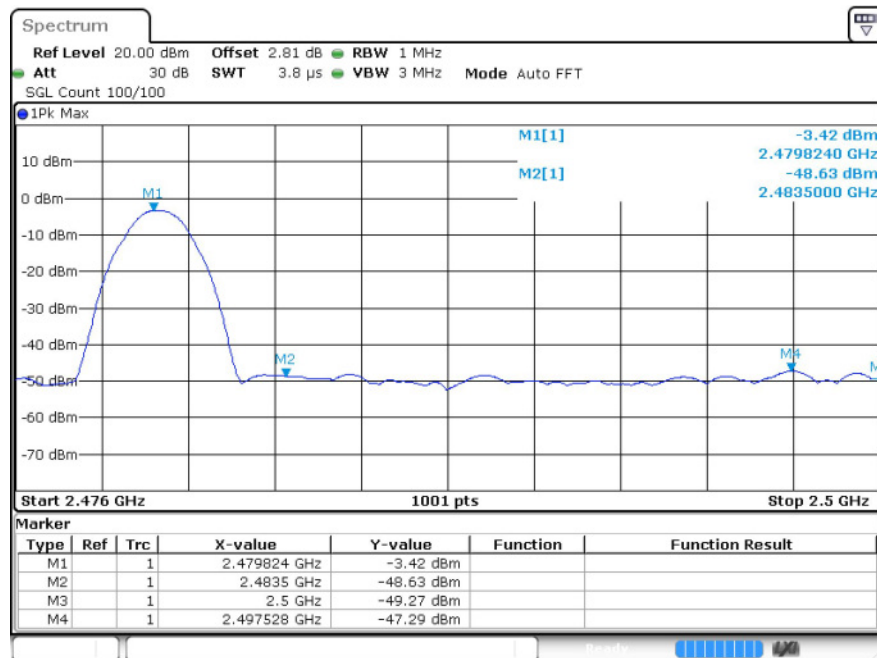
# Restrict-band band-edge measurements\_Hopping Off\_8DPSK\_PEAK (Low Channel)



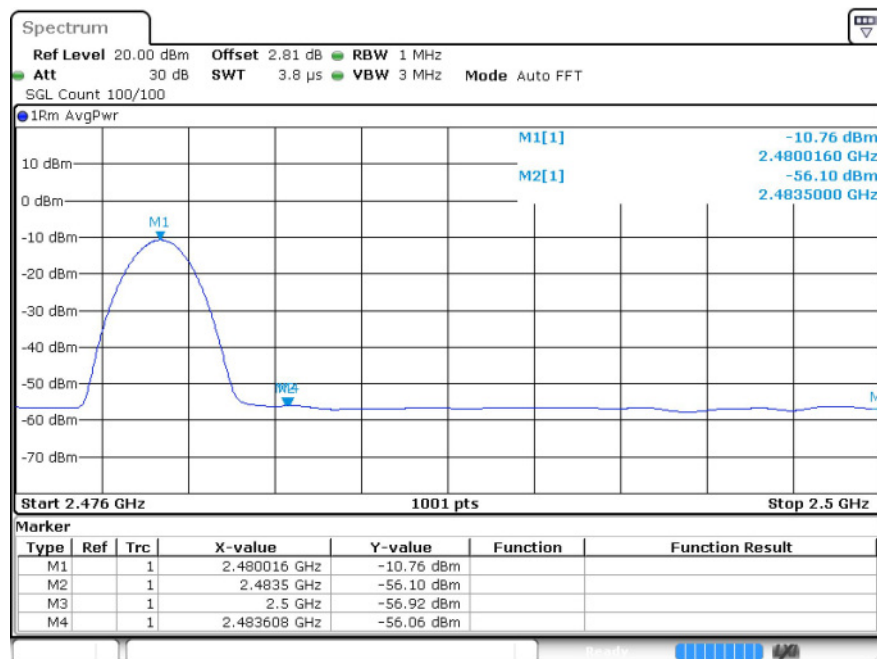
# Restrict-band band-edge measurements\_Hopping Off\_8DPSK\_Average (Low Channel)



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



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



---The End---