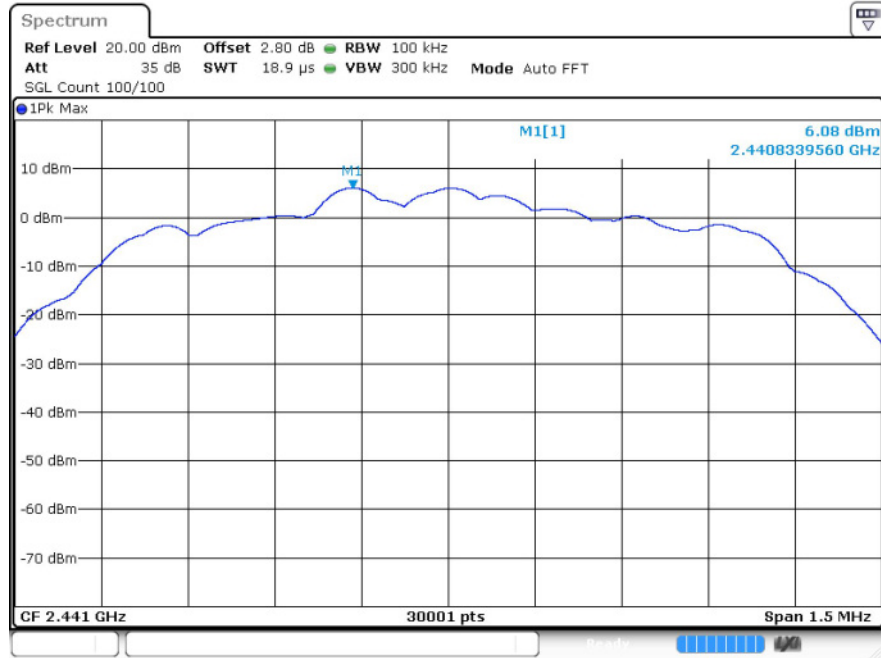
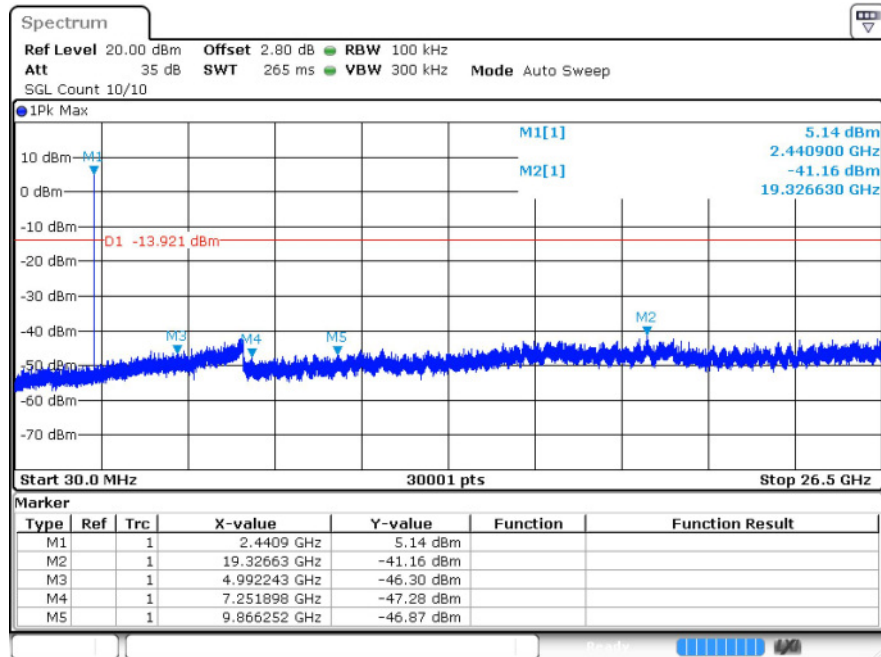


## 8DPSK\_MCH\_Graphs

Pref

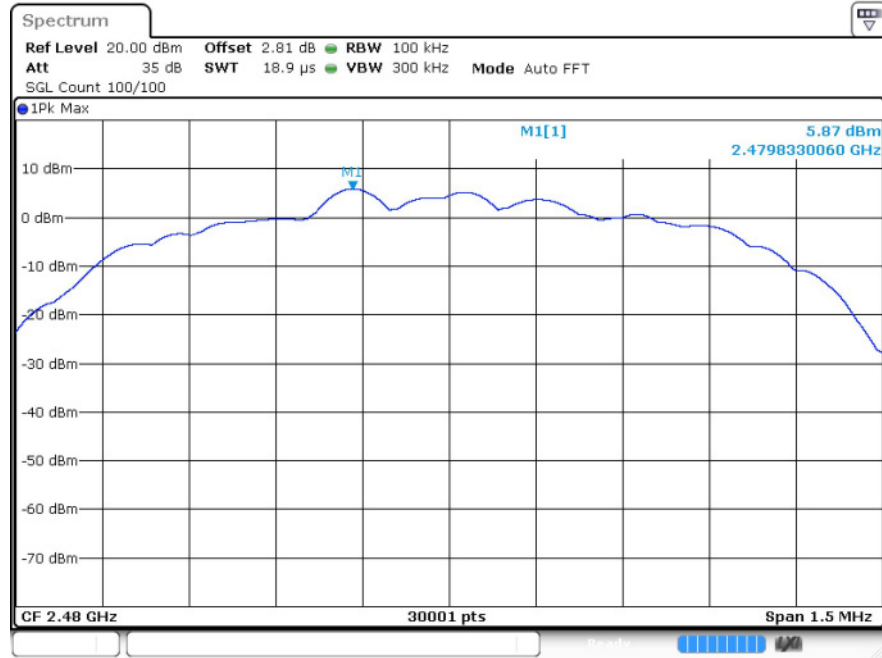


Puw

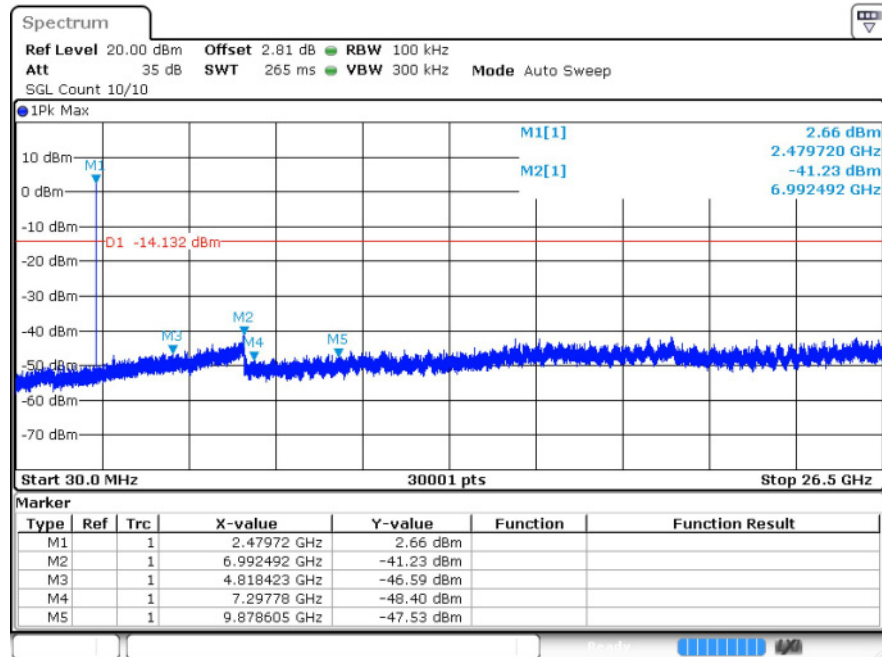


## 8DPSK\_HCH\_Graphs

Pref



Puw

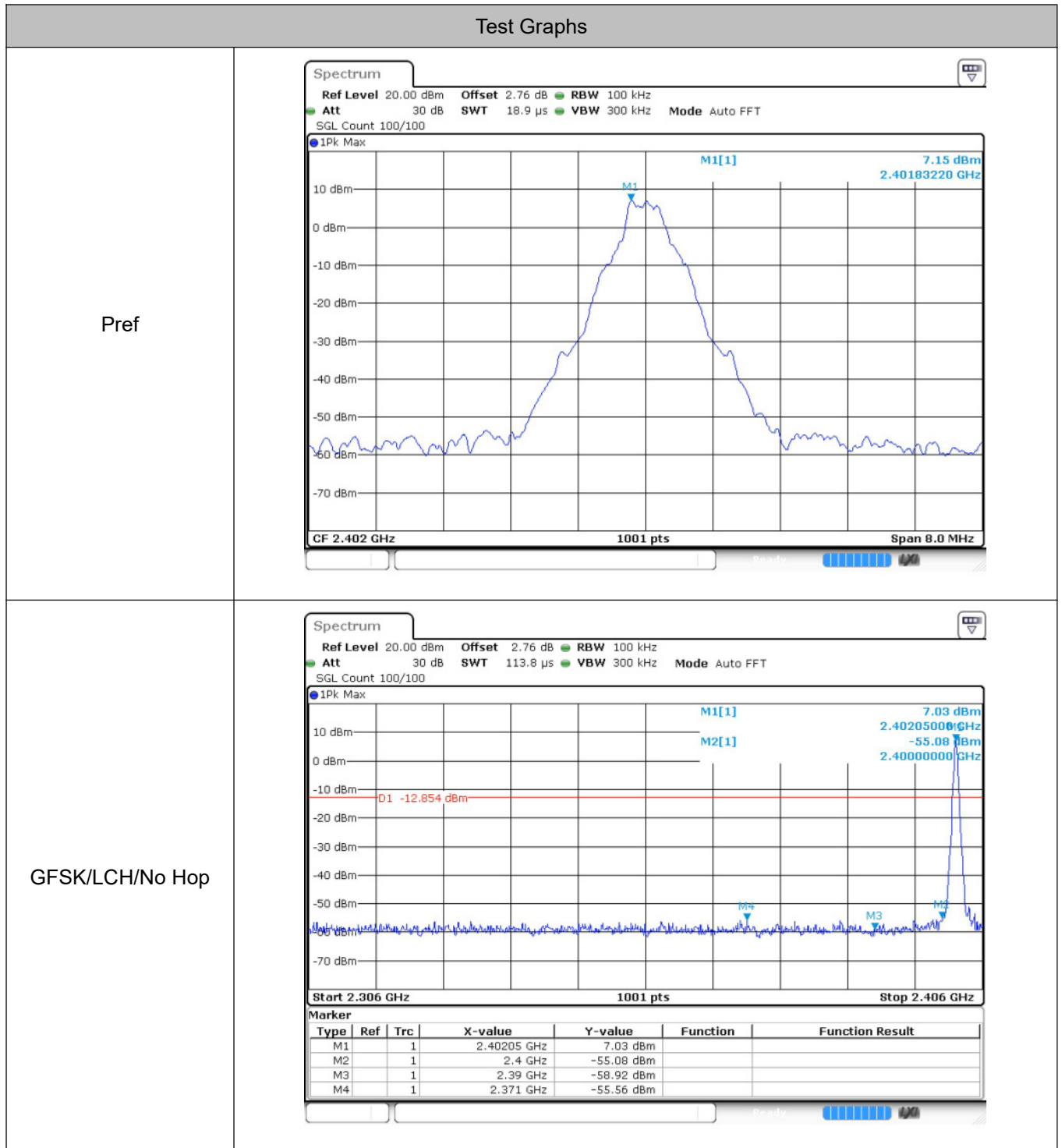


## 8 Band-edge for RF Conducted Emissions

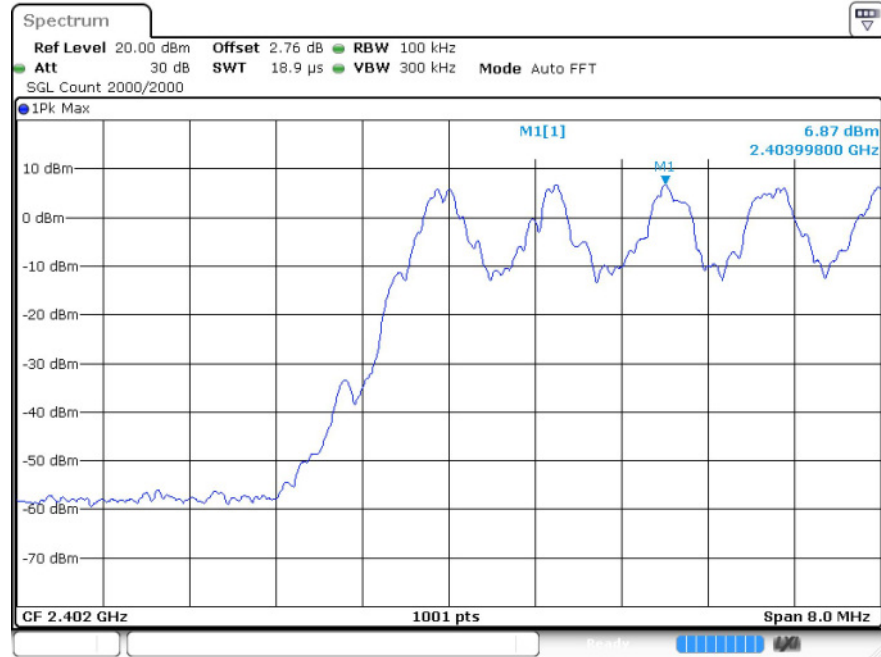
### 8.1 Test Result

| Mode          | Channel | Carrier Frequency [MHz] | Frequency Hopping | Max Spurious Level [dBc] | Limit [dBc] | Verdict |
|---------------|---------|-------------------------|-------------------|--------------------------|-------------|---------|
| GFSK          | LCH     | 2402                    | Off               | -62.7                    | -20         | Pass    |
|               |         |                         | On                | -62                      | -20         | Pass    |
|               | HCH     | 2480                    | Off               | -62.65                   | -20         | Pass    |
|               |         |                         | On                | -61.17                   | -20         | Pass    |
| $\pi/4$ DQPSK | LCH     | 2402                    | Off               | -62.17                   | -20         | Pass    |
|               |         |                         | On                | -60.33                   | -20         | Pass    |
|               | HCH     | 2480                    | Off               | -61.79                   | -20         | Pass    |
|               |         |                         | On                | -59.54                   | -20         | Pass    |
| 8DPSK         | LCH     | 2402                    | Off               | -61.76                   | -20         | Pass    |
|               |         |                         | On                | -60.71                   | -20         | Pass    |
|               | HCH     | 2480                    | Off               | -62.15                   | -20         | Pass    |
|               |         |                         | On                | -60.6                    | -20         | Pass    |

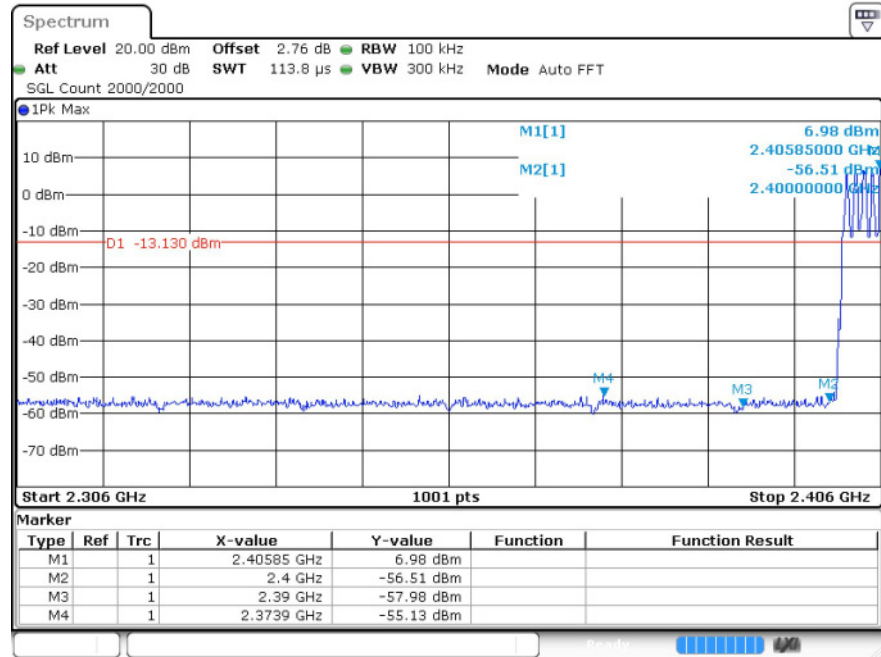
## 8.2 Test Graphs



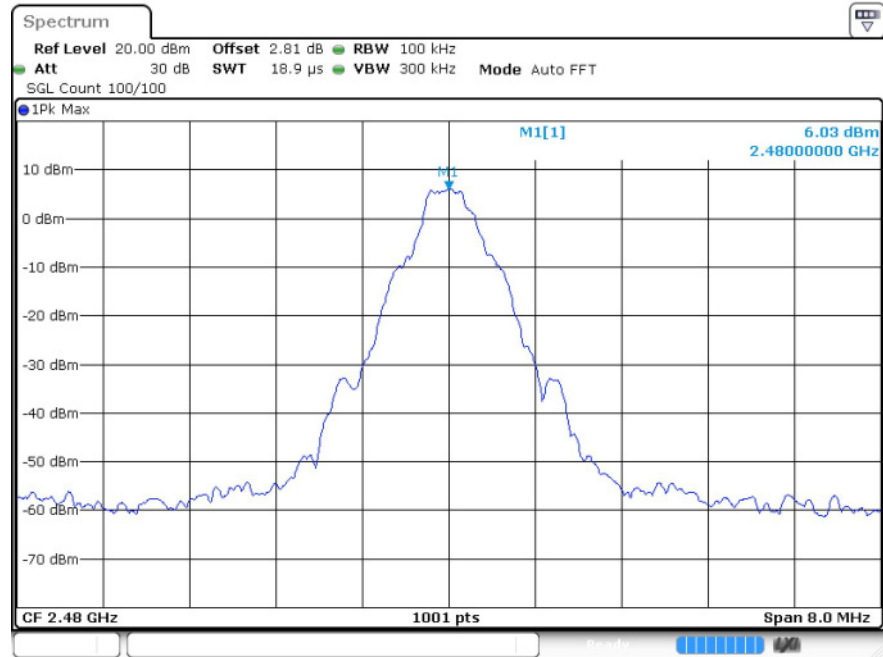
Ref



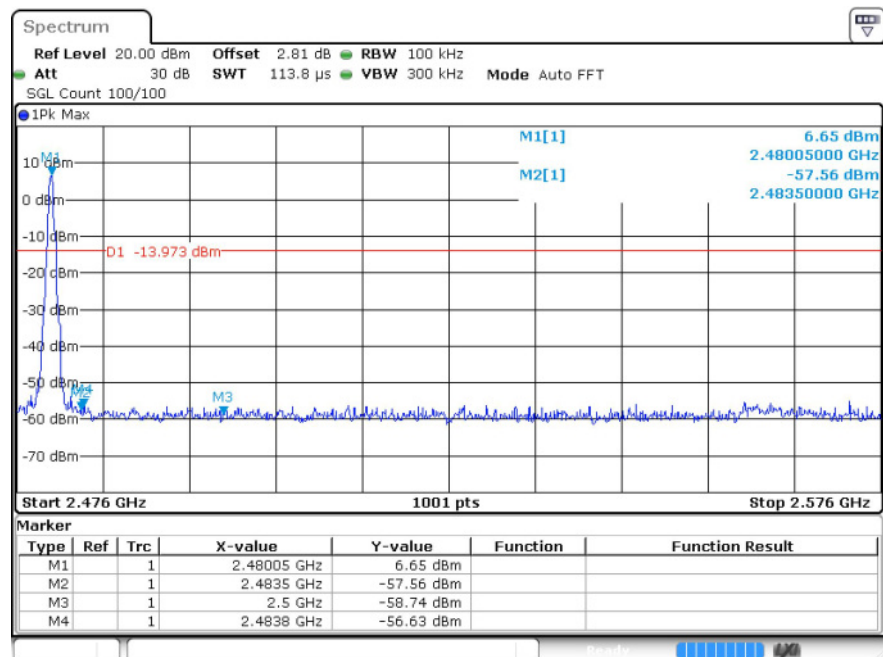
GFSK/LCH/Hop



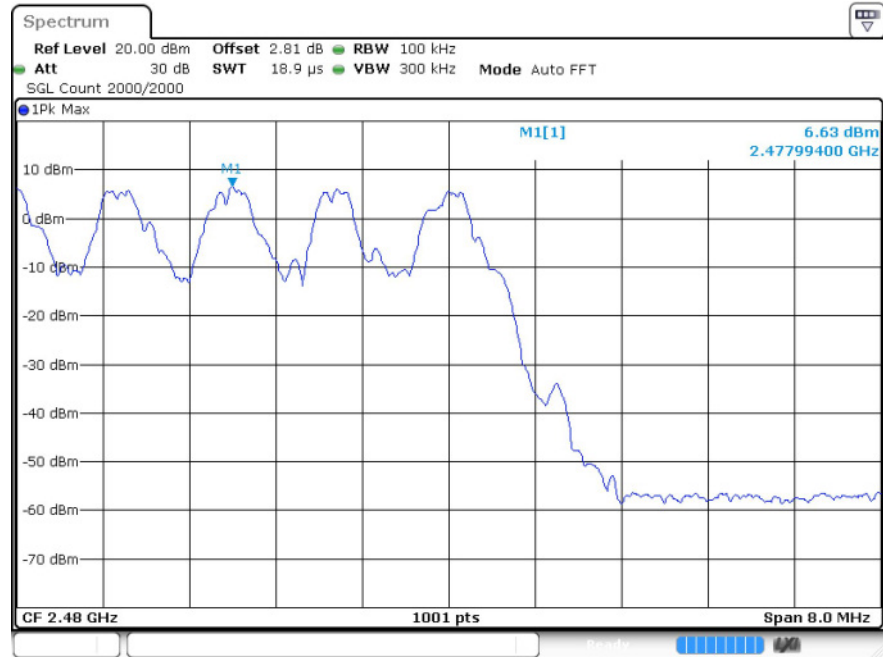
Ref



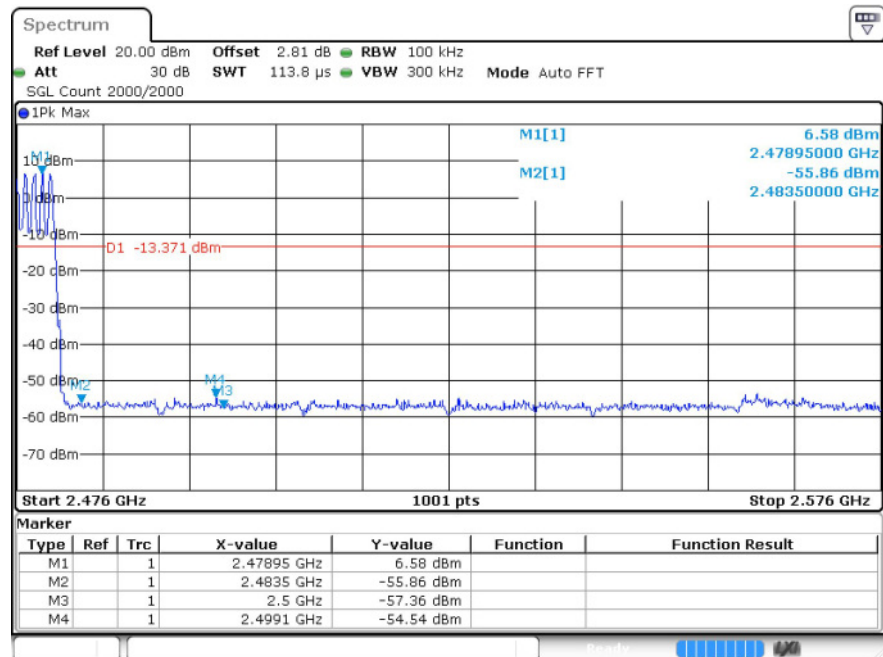
GFSK/HCH/No Hop



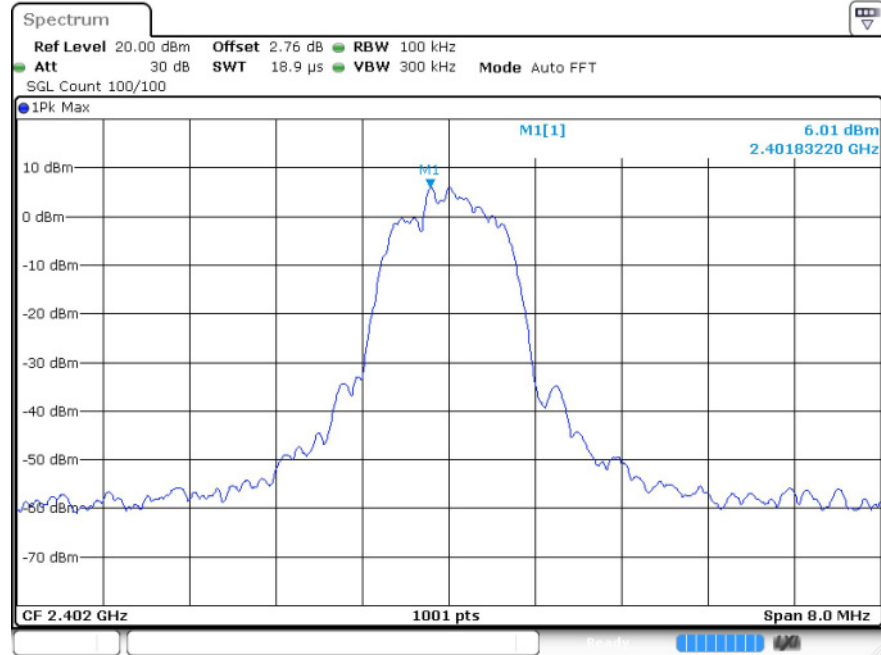
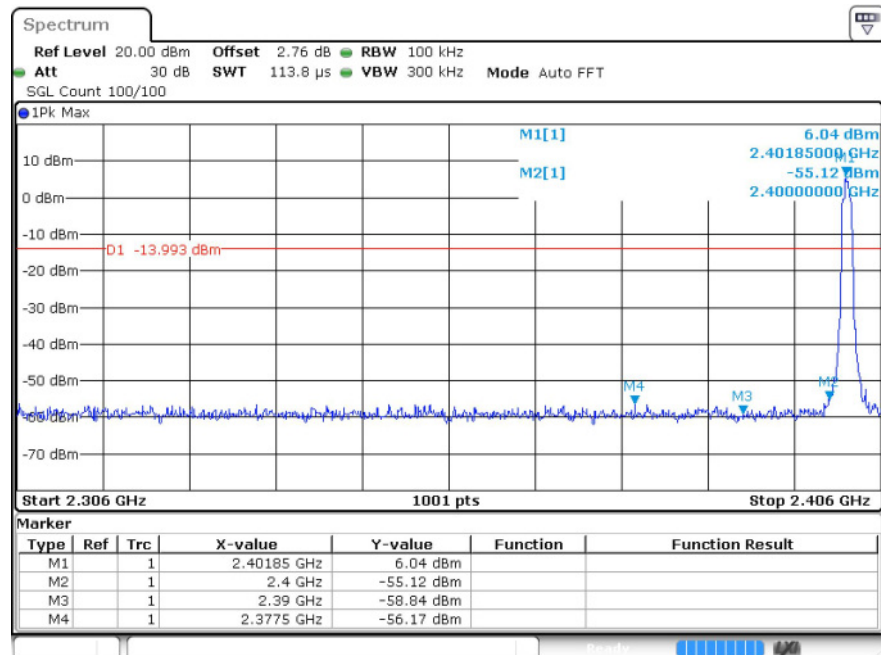
Ref.



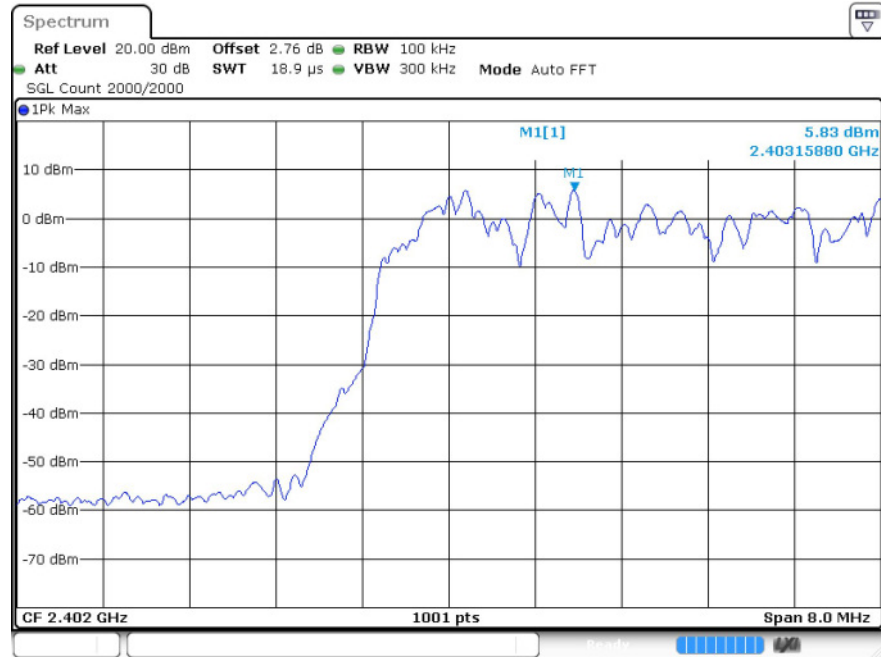
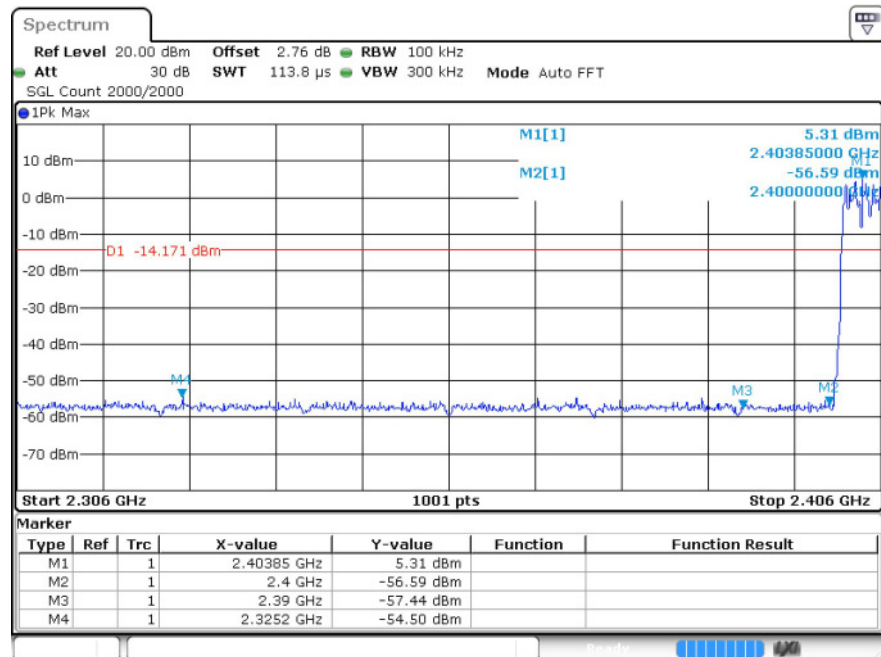
GFSK/HCH/Hop

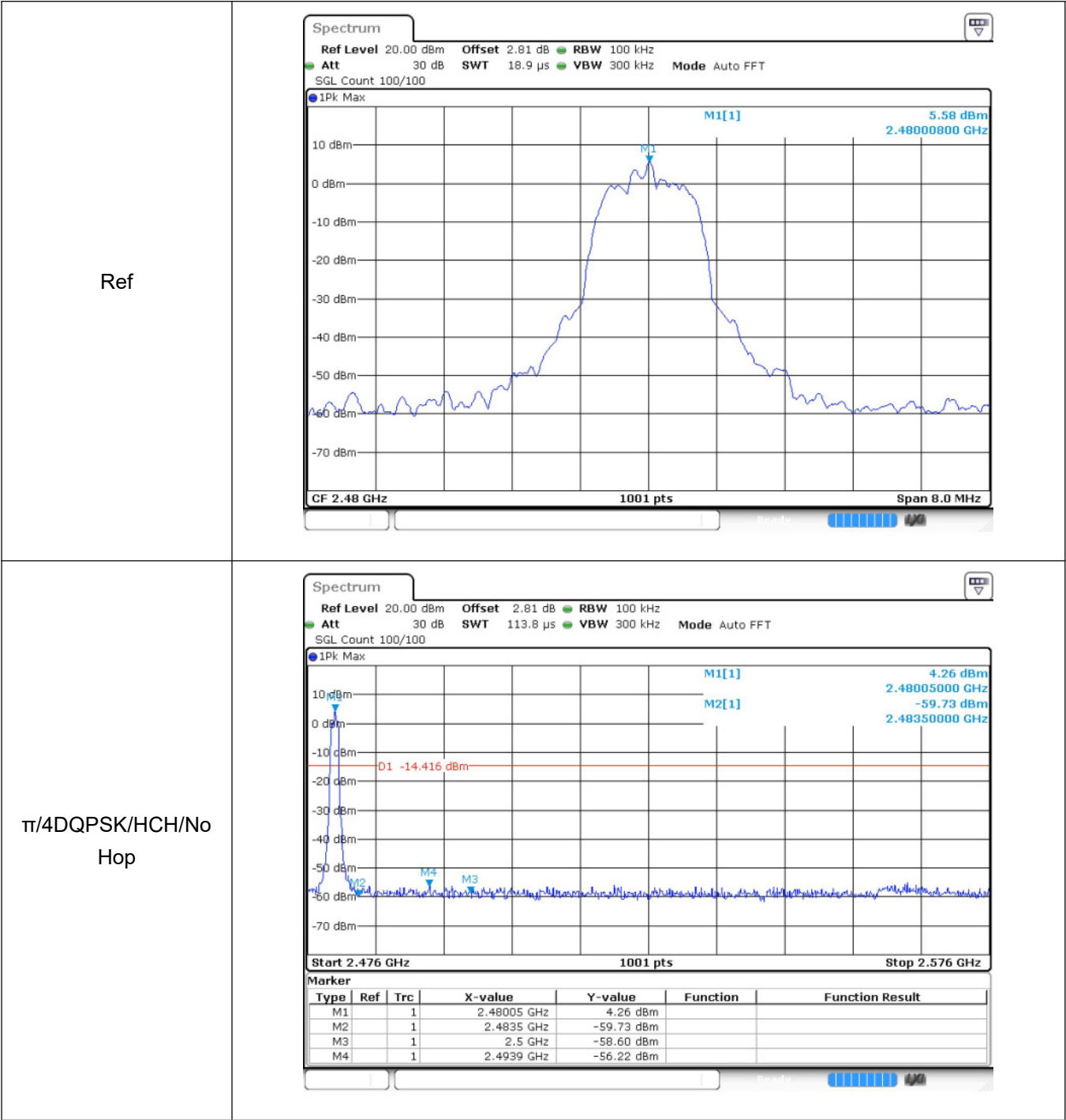


Ref

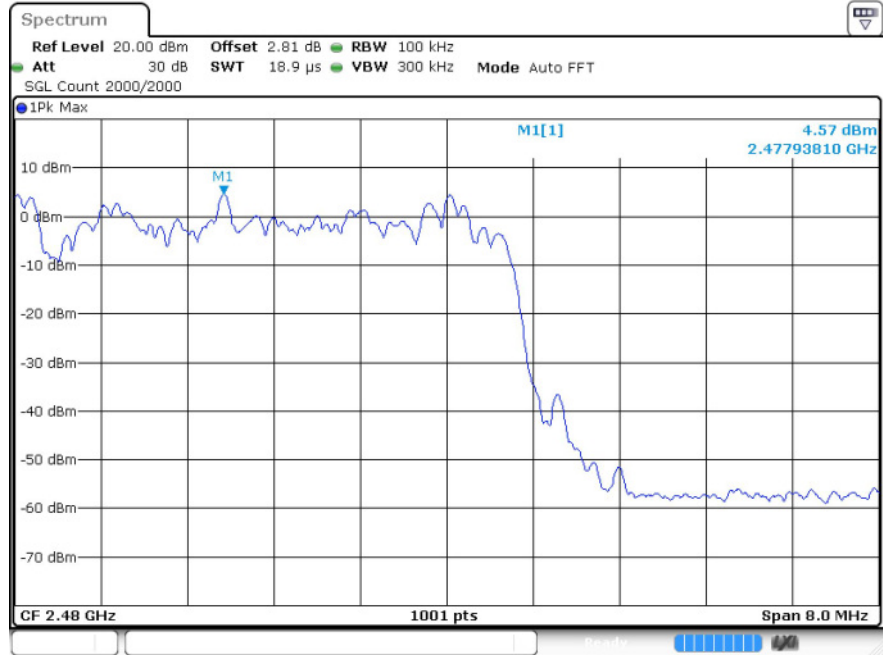
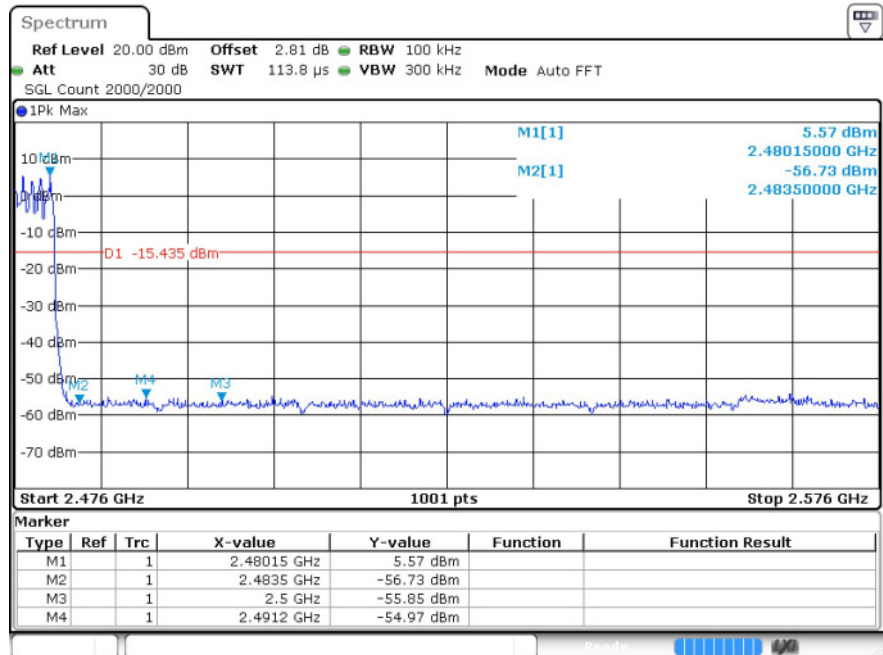

 $\pi/4$ DQPSK/LCH/No Hop


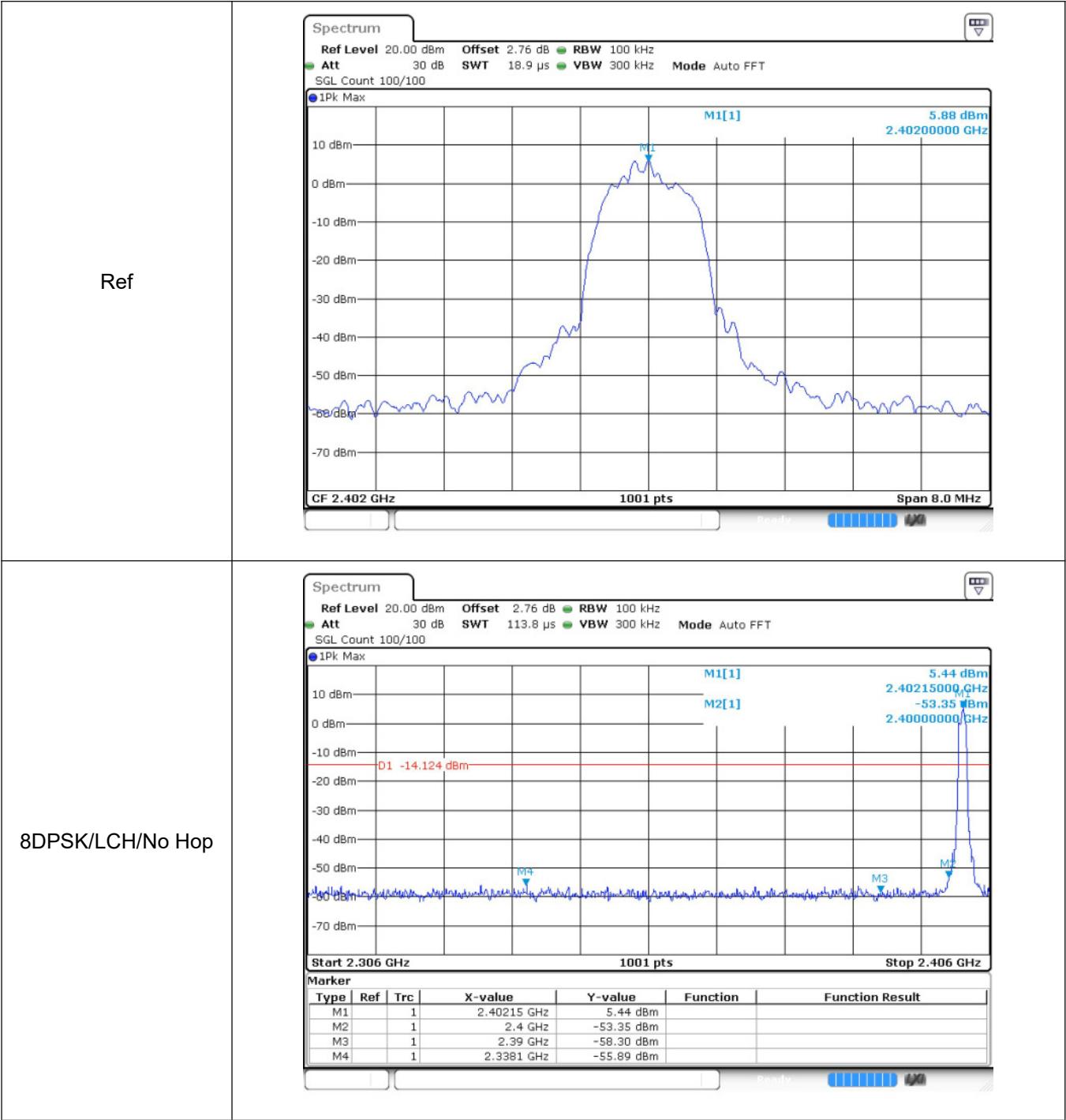
Ref


 $\pi/4$ DQPSK/LCH/Hop




Ref

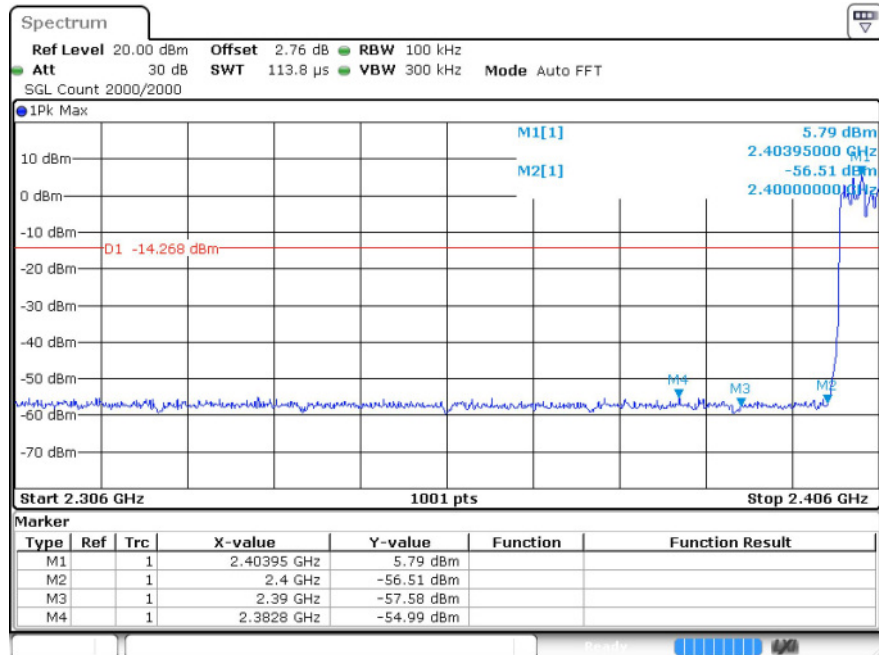

 $\pi/4$ DQPSK/HCH/Hop




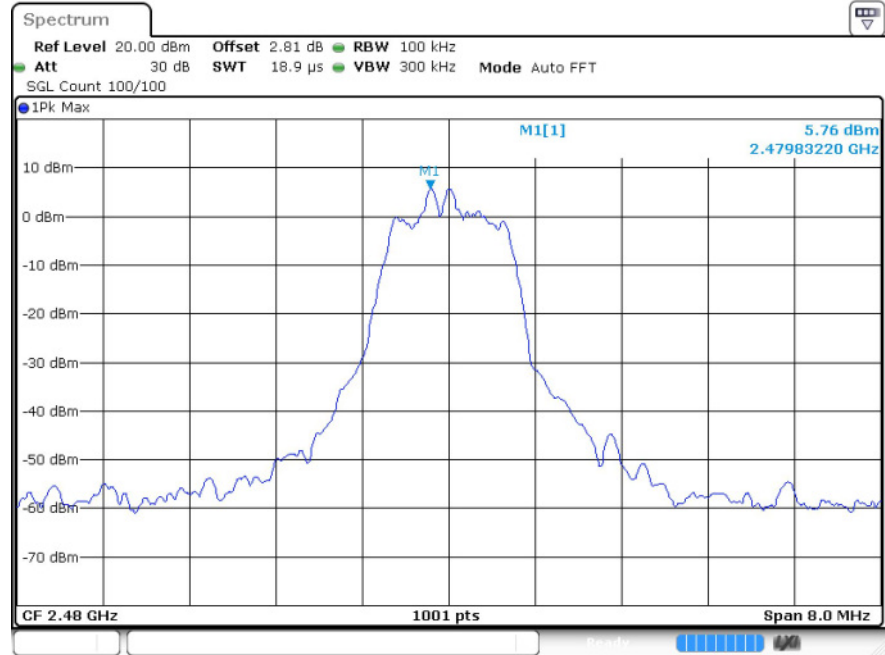
Ref



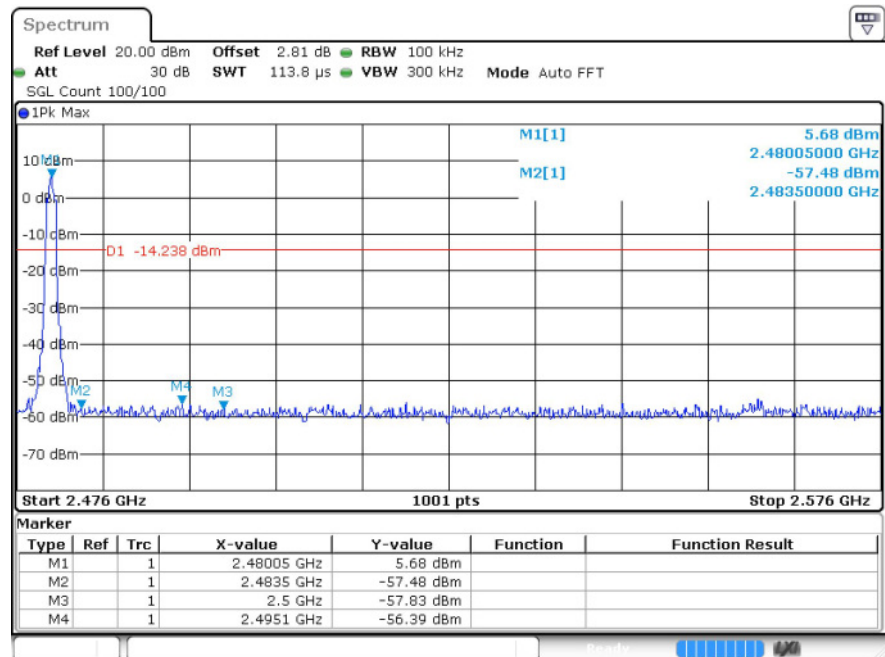
8DPSK/LCH/Hop



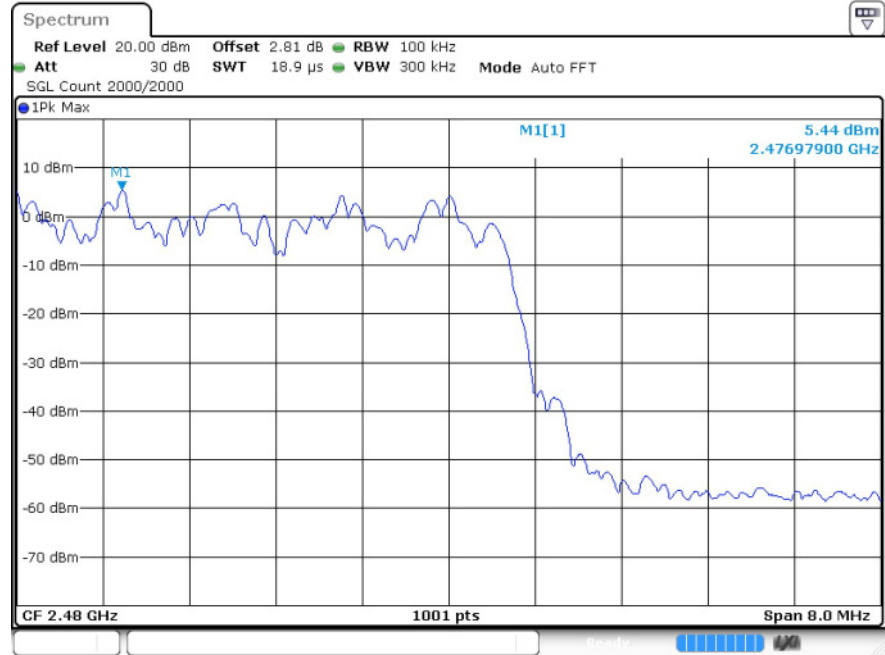
Ref



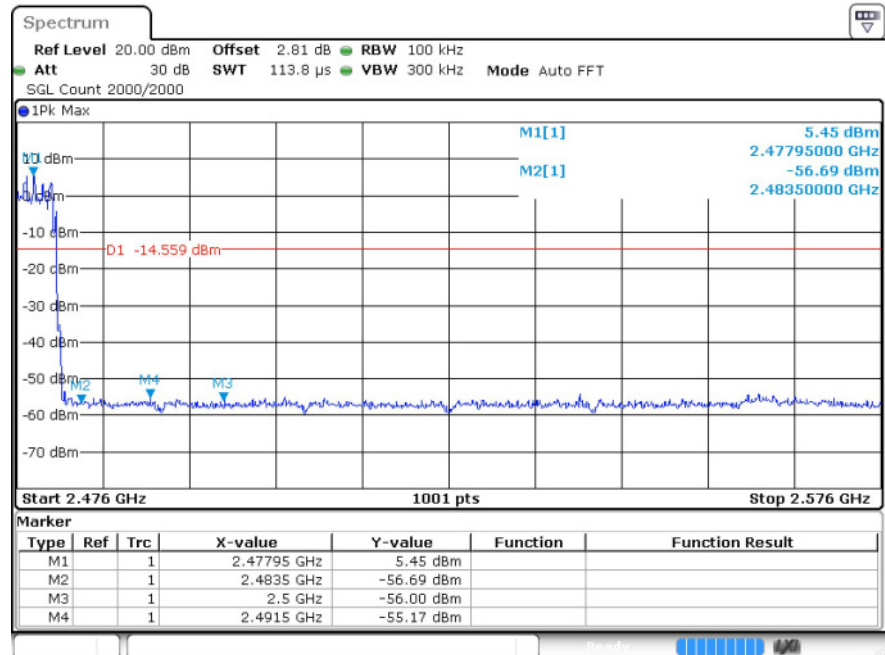
8DPSK/HCH/No Hop



Ref



8DPSK/HCH/Hop



## 9 Restrict-band band-edge measurements

### 9.1 Test Result

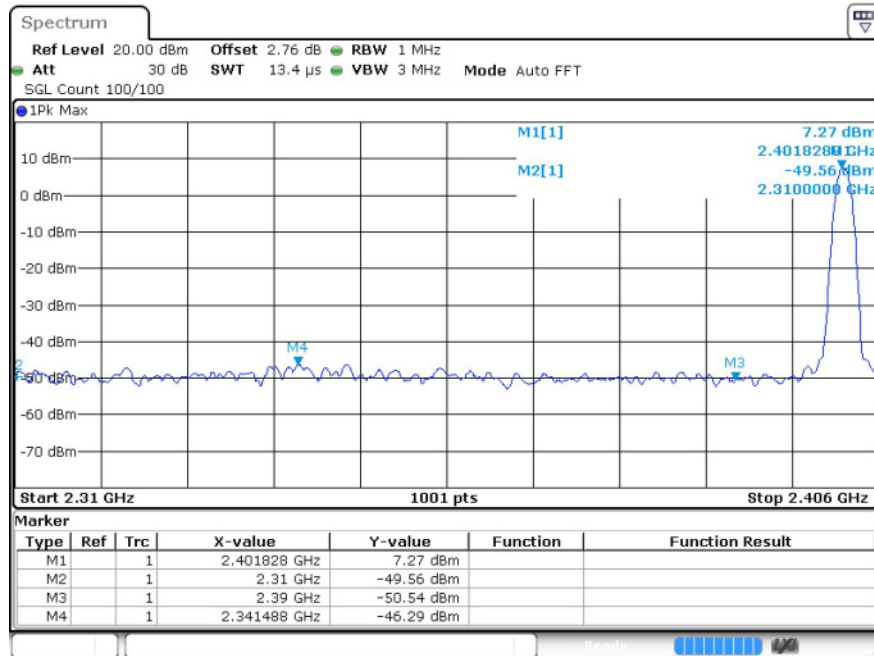
| Test Mode     | Hopping | Freq.    | Power [dBm] | Gain | Duty Factor | E [dBuV/m] | Detector | Limit [dBuV/m] | Verdict |
|---------------|---------|----------|-------------|------|-------------|------------|----------|----------------|---------|
| GFSK          | Off     | 2310.0   | -49.56      | 3.34 | -           | 49.04      | PEAK     | 74             | Pass    |
|               | Off     | 2310.0   | -55.9       | 3.34 | 4.94        | 47.64      | AV       | 54             | Pass    |
|               | Off     | 2341.488 | -46.28      | 3.34 | -           | 52.32      | PEAK     | 74             | Pass    |
|               | Off     | 2339.856 | -54.11      | 3.34 | 4.94        | 49.43      | AV       | 54             | Pass    |
|               | Off     | 2390.0   | -50.54      | 3.34 | -           | 48.06      | PEAK     | 74             | Pass    |
|               | Off     | 2390.0   | -56.44      | 3.34 | 4.94        | 47.1       | AV       | 54             | Pass    |
|               | Off     | 2483.5   | -47.9       | 3.34 | -           | 50.7       | PEAK     | 74             | Pass    |
|               | Off     | 2483.5   | -56.29      | 3.34 | 4.94        | 47.25      | AV       | 54             | Pass    |
|               | Off     | 2494.96  | -47.22      | 3.34 | -           | 51.38      | PEAK     | 74             | Pass    |
|               | Off     | 2490.736 | -55.61      | 3.34 | 4.94        | 47.93      | AV       | 54             | Pass    |
|               | Off     | 2500.0   | -49.13      | 3.34 | -           | 49.47      | PEAK     | 74             | Pass    |
|               | Off     | 2500.0   | -56.54      | 3.34 | 4.94        | 47         | AV       | 54             | Pass    |
| $\pi/4$ DQPSK | Off     | 2310.0   | -50.01      | 3.34 | -           | 48.59      | PEAK     | 74             | Pass    |
|               | Off     | 2310.0   | -56.66      | 3.34 | 4.9         | 46.84      | AV       | 54             | Pass    |
|               | Off     | 2338.32  | -46.33      | 3.34 | -           | 52.27      | PEAK     | 74             | Pass    |
|               | Off     | 2339.952 | -54.75      | 3.34 | 4.9         | 48.75      | AV       | 54             | Pass    |
|               | Off     | 2390.0   | -50.09      | 3.34 | -           | 48.51      | PEAK     | 74             | Pass    |
|               | Off     | 2390.0   | -57.28      | 3.34 | 4.9         | 46.22      | AV       | 54             | Pass    |
|               | Off     | 2483.5   | -49.99      | 3.34 | -           | 48.61      | PEAK     | 74             | Pass    |
|               | Off     | 2483.5   | -56.14      | 3.34 | 4.9         | 47.36      | AV       | 54             | Pass    |
|               | Off     | 2497.432 | -47.37      | 3.34 | -           | 51.23      | PEAK     | 74             | Pass    |
|               | Off     | 2484.184 | -55.54      | 3.34 | 4.9         | 47.96      | AV       | 54             | Pass    |
|               | Off     | 2500.0   | -49.51      | 3.34 | -           | 49.09      | PEAK     | 74             | Pass    |
|               | Off     | 2500.0   | -56.83      | 3.34 | 4.9         | 46.67      | AV       | 54             | Pass    |
| 8DPSK         | Off     | 2310.0   | -49.9       | 3.34 | -           | 48.7       | PEAK     | 74             | Pass    |
|               | Off     | 2310.0   | -56.86      | 3.34 | 4.9         | 46.64      | AV       | 54             | Pass    |
|               | Off     | 2340.72  | -45.34      | 3.34 | -           | 53.26      | PEAK     | 74             | Pass    |
|               | Off     | 2338.032 | -54.03      | 3.34 | 4.9         | 49.47      | AV       | 54             | Pass    |



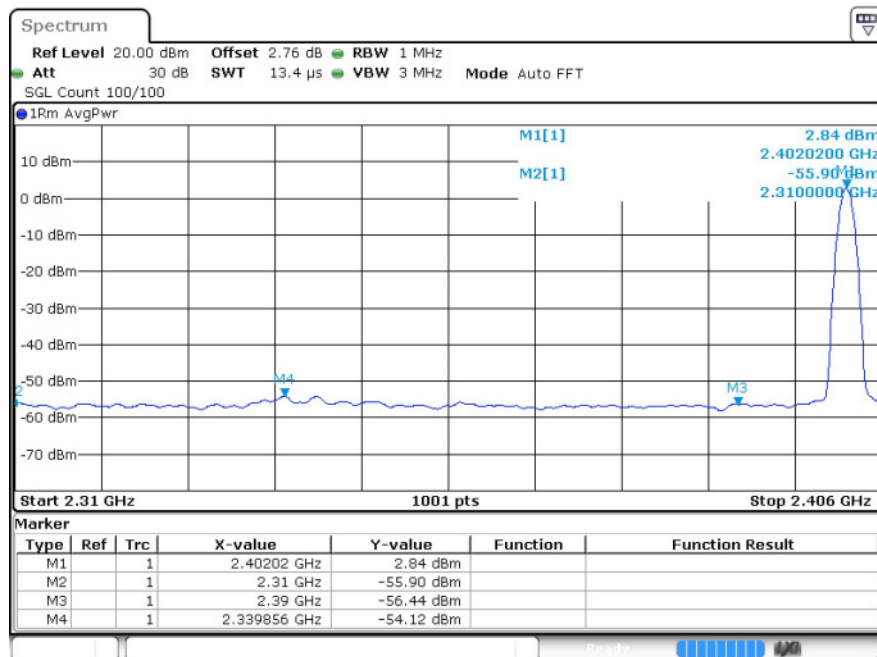
|     |          |        |      |     |       |      |    |      |
|-----|----------|--------|------|-----|-------|------|----|------|
| Off | 2390.0   | -51.39 | 3.34 | -   | 47.21 | PEAK | 74 | Pass |
| Off | 2390.0   | -56.8  | 3.34 | 4.9 | 46.7  | AV   | 54 | Pass |
| Off | 2483.5   | -47.97 | 3.34 | -   | 50.63 | PEAK | 74 | Pass |
| Off | 2483.5   | -55.41 | 3.34 | 4.9 | 48.09 | AV   | 54 | Pass |
| Off | 2484.184 | -46.66 | 3.34 | -   | 51.94 | PEAK | 74 | Pass |
| Off | 2483.512 | -55.43 | 3.34 | 4.9 | 48.07 | AV   | 54 | Pass |
| Off | 2500.0   | -49.93 | 3.34 | -   | 48.67 | PEAK | 74 | Pass |
| Off | 2500.0   | -56.78 | 3.34 | 4.9 | 46.72 | AV   | 54 | Pass |

## 9.2 Test Graphs

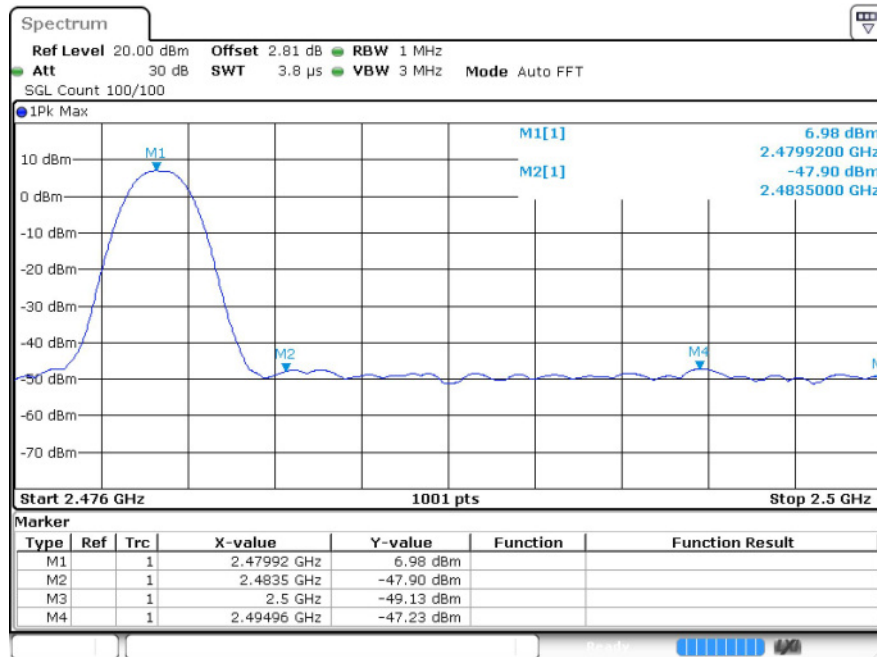
Restrict-band band-edge measurements\_Hopping Off\_ GFSK\_PEAK (Low Channel)



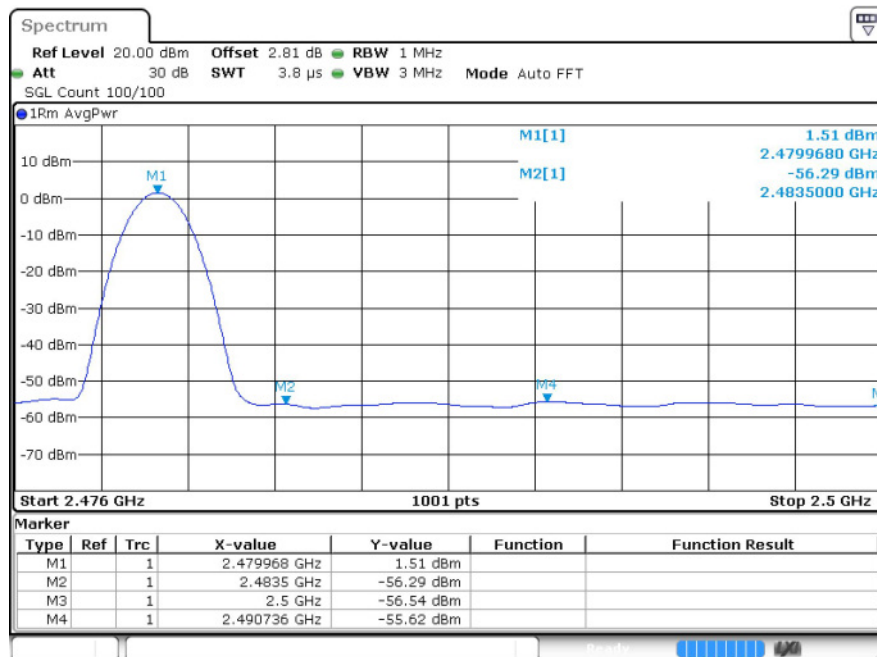
Restrict-band band-edge measurements\_Hopping Off\_ GFSK\_Average (Low Channel)



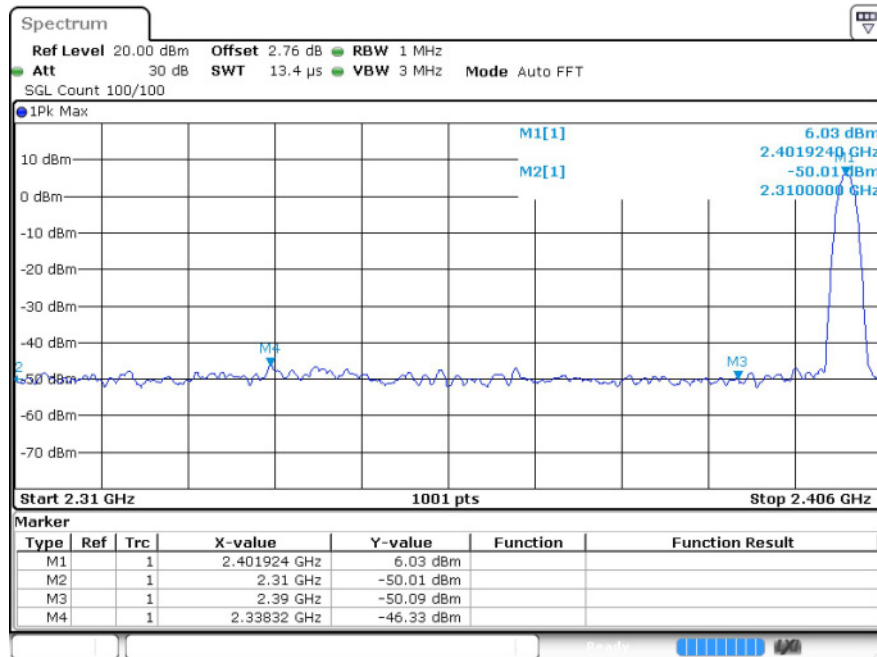
## Restrict-band band-edge measurements\_Hopping Off\_ GFSK\_PEAK (High Channel)



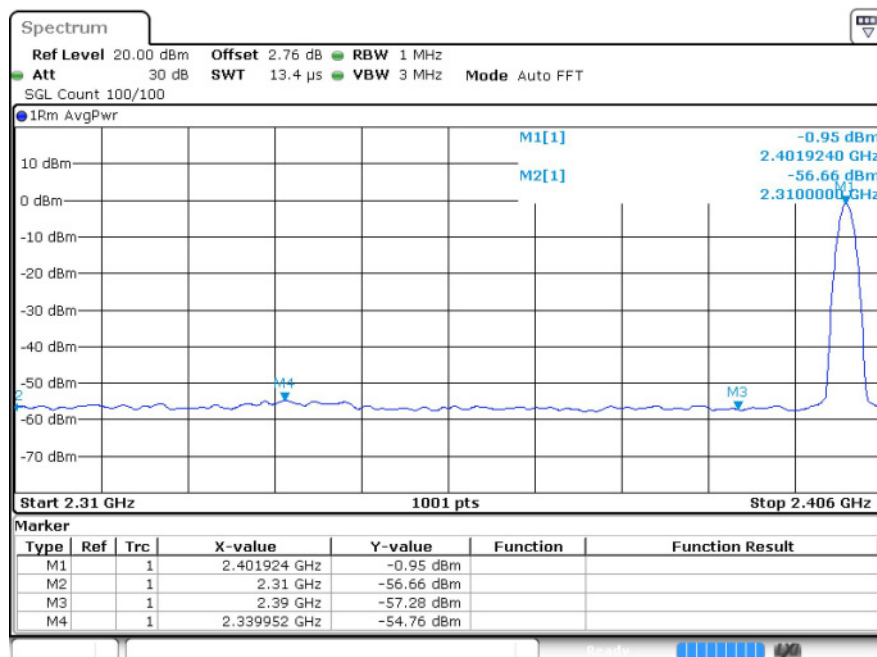
## Restrict-band band-edge measurements\_Hopping Off\_ GFSK\_Average (High Channel)



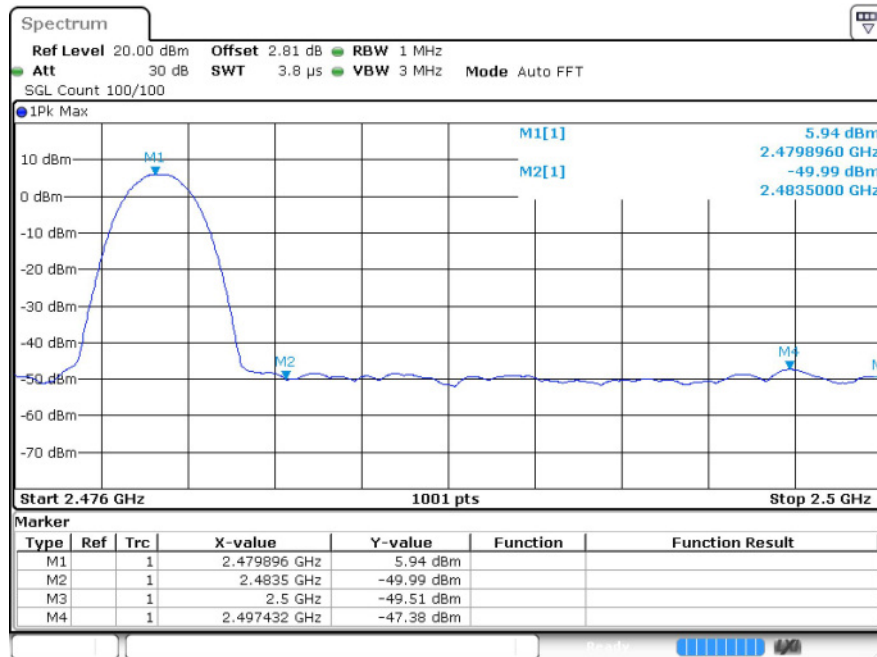
## Restrict-band band-edge measurements\_Hopping Off\_π/4-DQPSK\_PEAK (Low Channel)



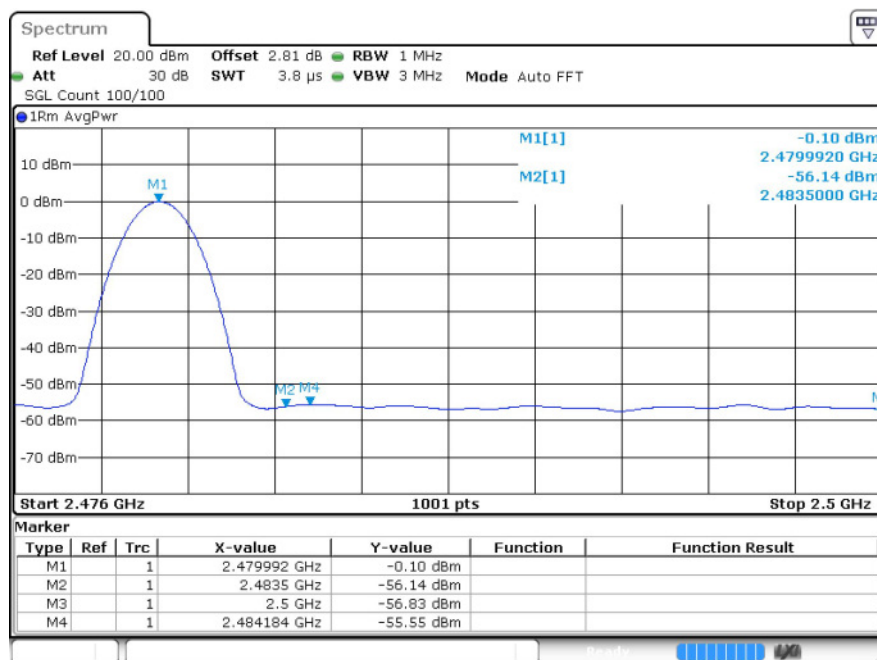
## Restrict-band band-edge measurements\_Hopping Off\_π/4-DQPSK\_Average (Low Channel)



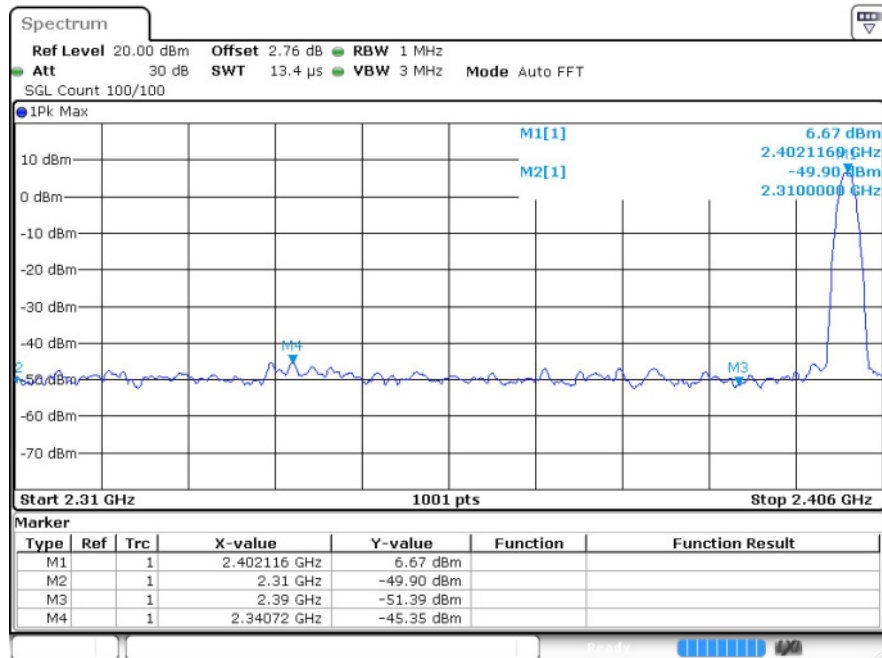
### Restrict-band band-edge measurements\_Hopping Off\_π/4-DQPSK\_PEAK (High Channel)



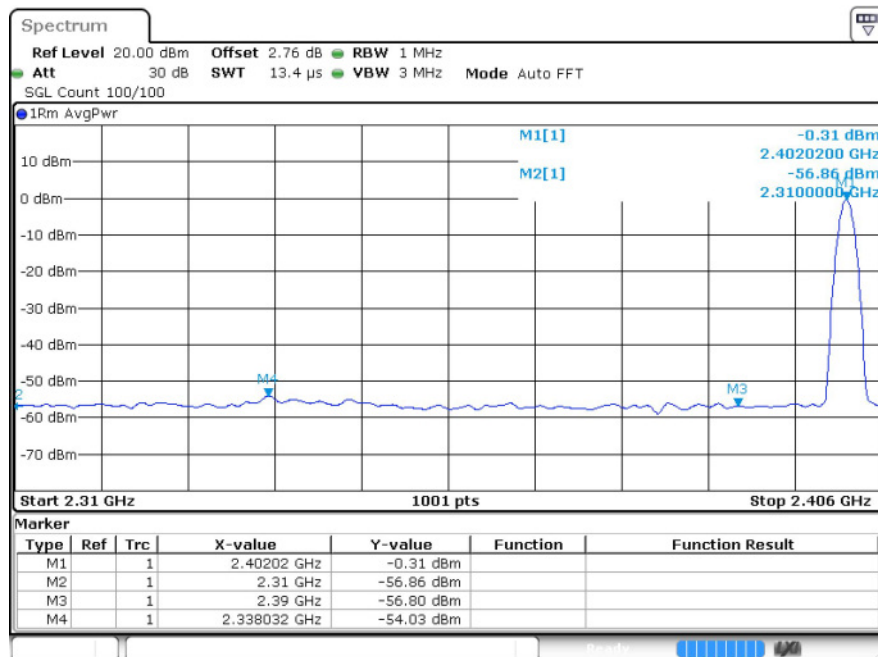
### Restrict-band band-edge measurements\_Hopping Off\_π/4-DQPSK\_Average (High Channel)



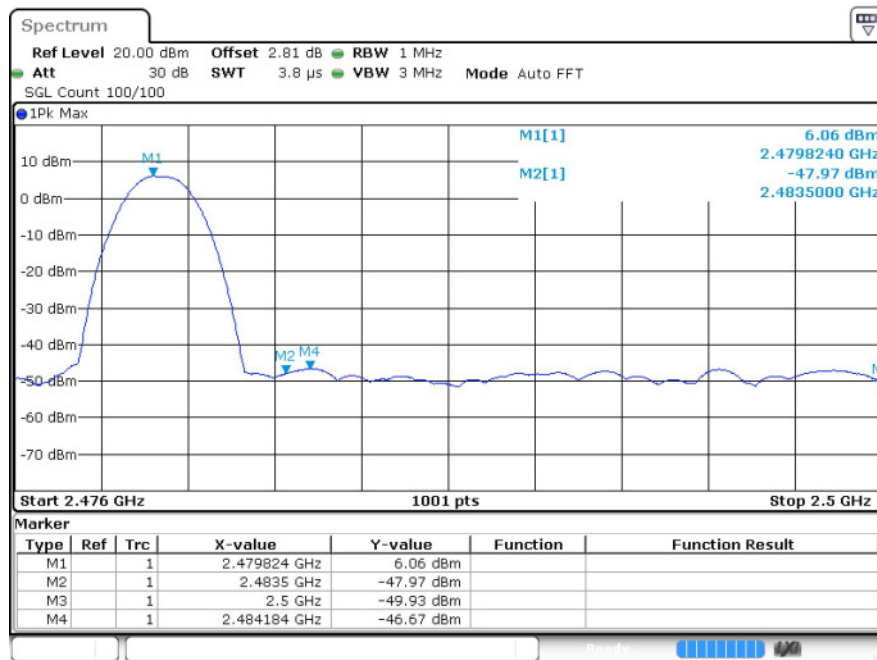
## Restrict-band band-edge measurements\_Hopping Off\_8DPSK\_PEAK (Low Channel)



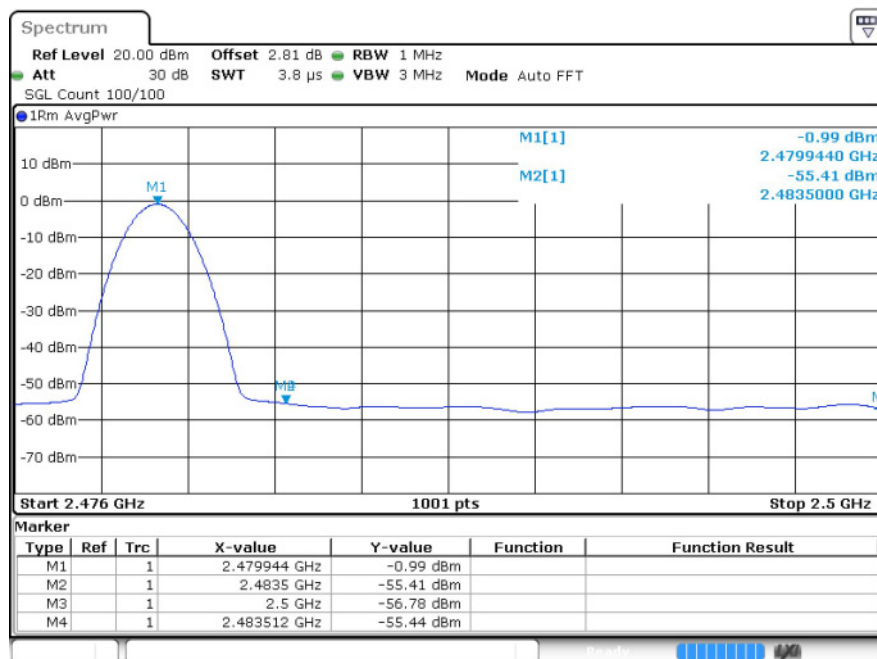
## Restrict-band band-edge measurements\_Hopping Off\_8DPSK\_Average (Low Channel)



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



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



---The End---