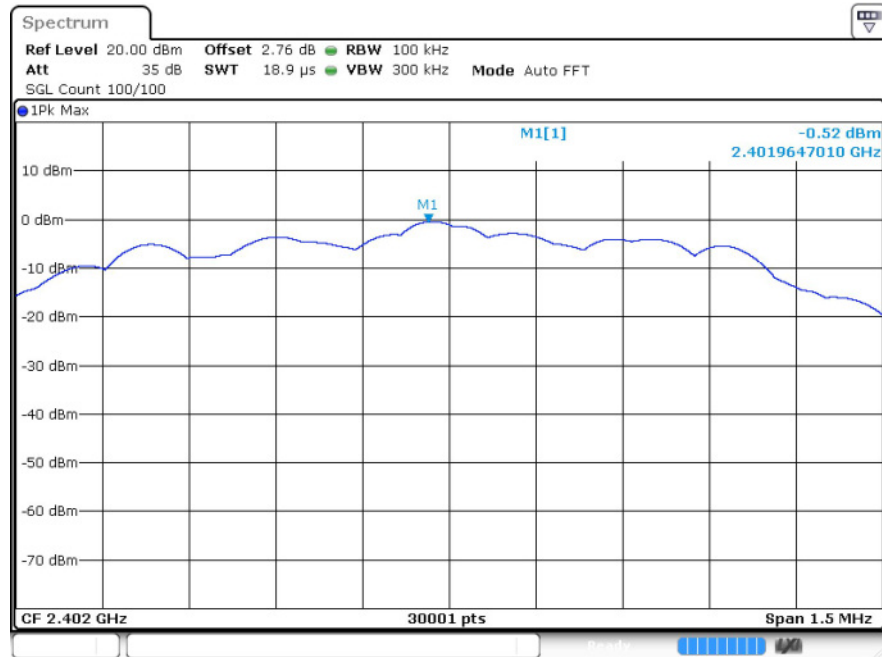
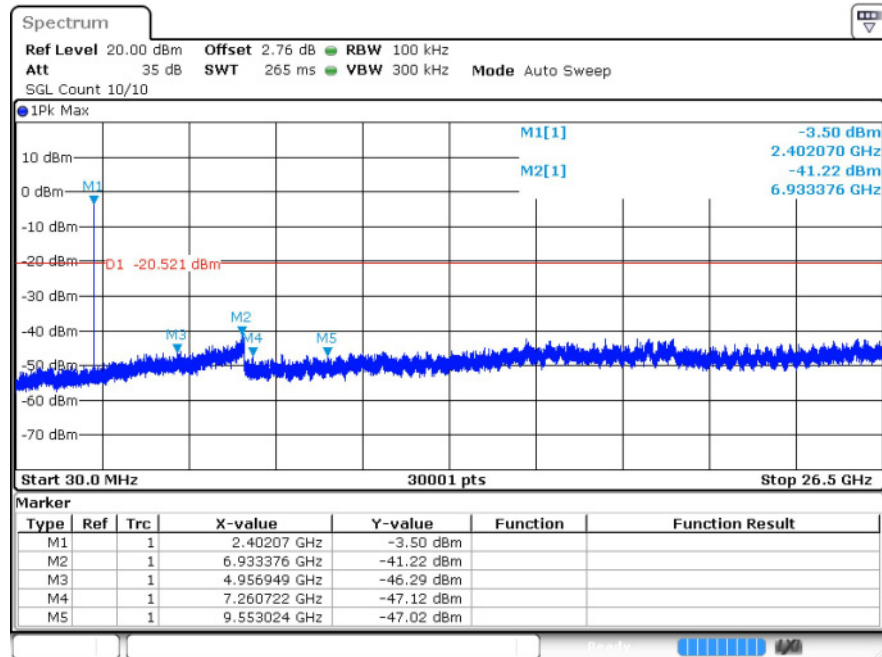


## 8DPSK\_LCH\_Graphs

Pref

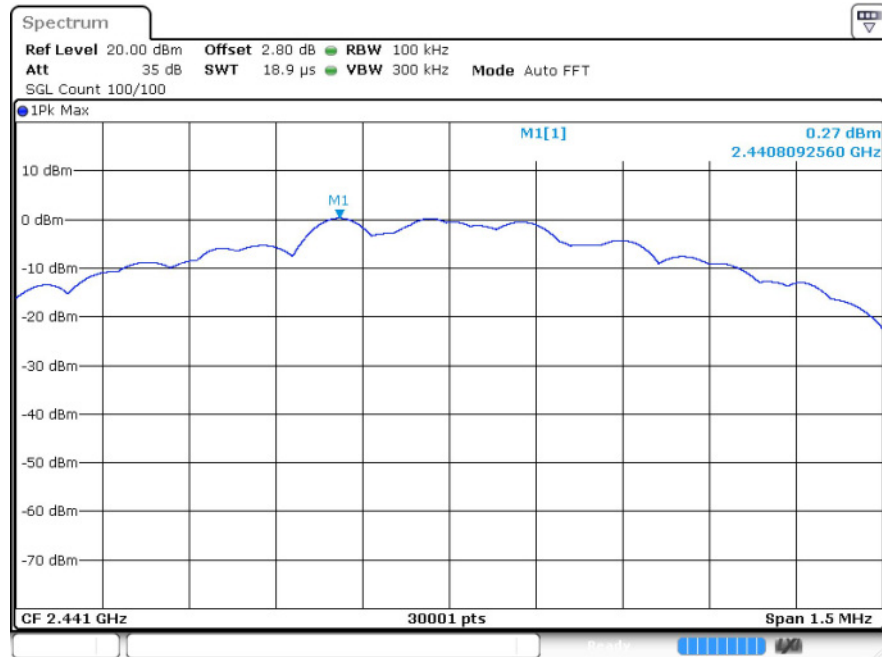


Puw

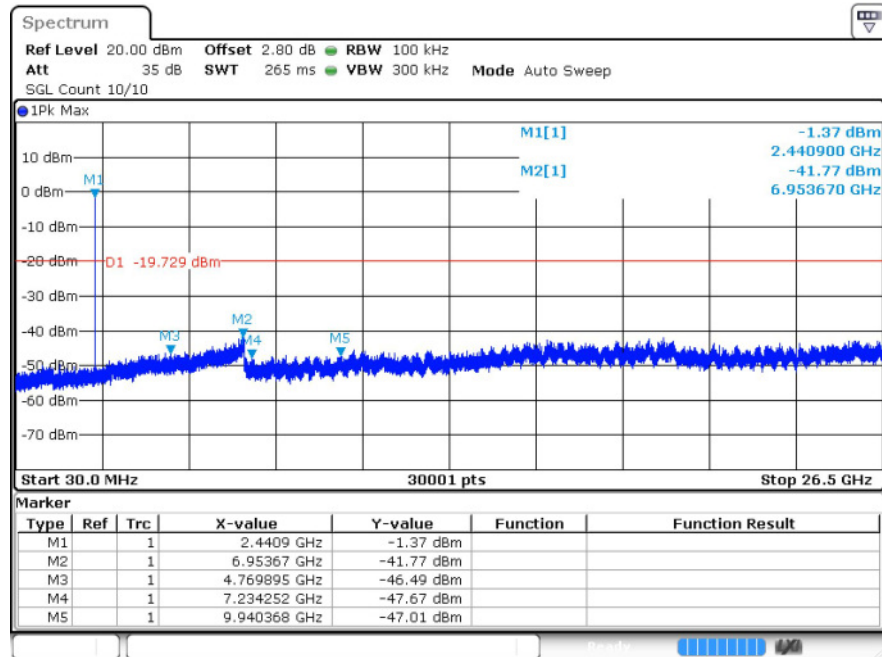


## 8DPSK\_MCH\_Graphs

Pref

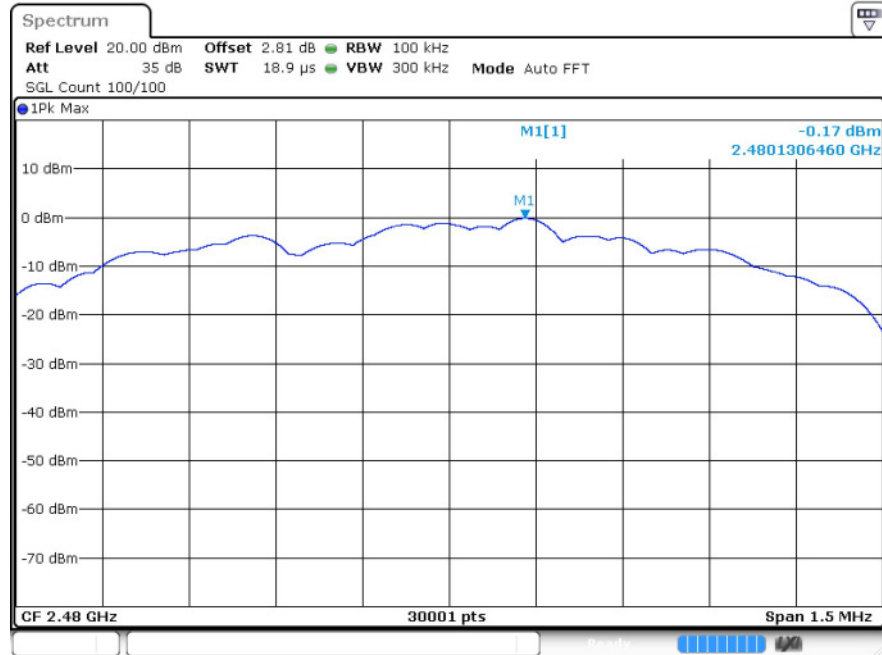


Puw

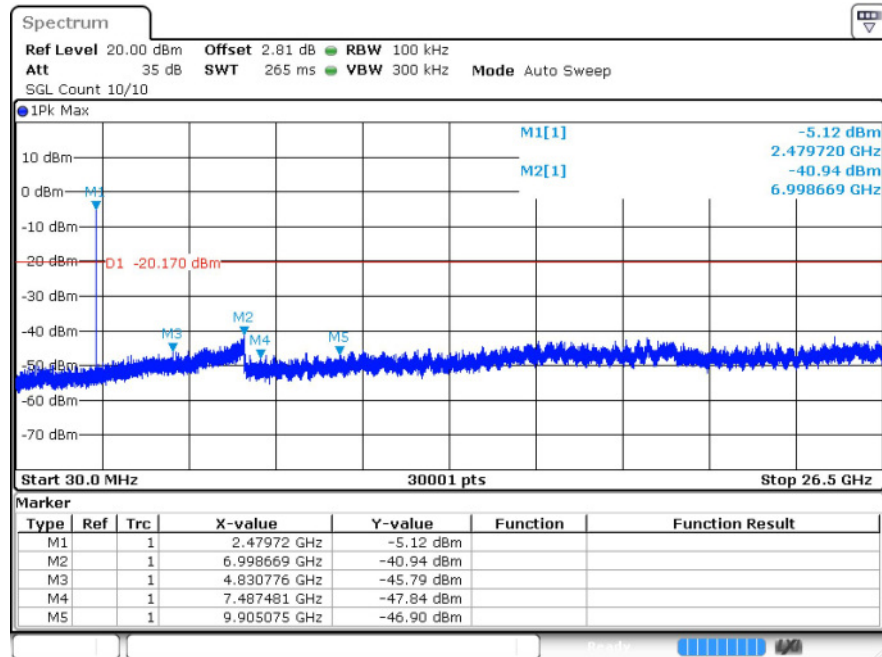


## 8DPSK\_HCH\_Graphs

Pref



Puw

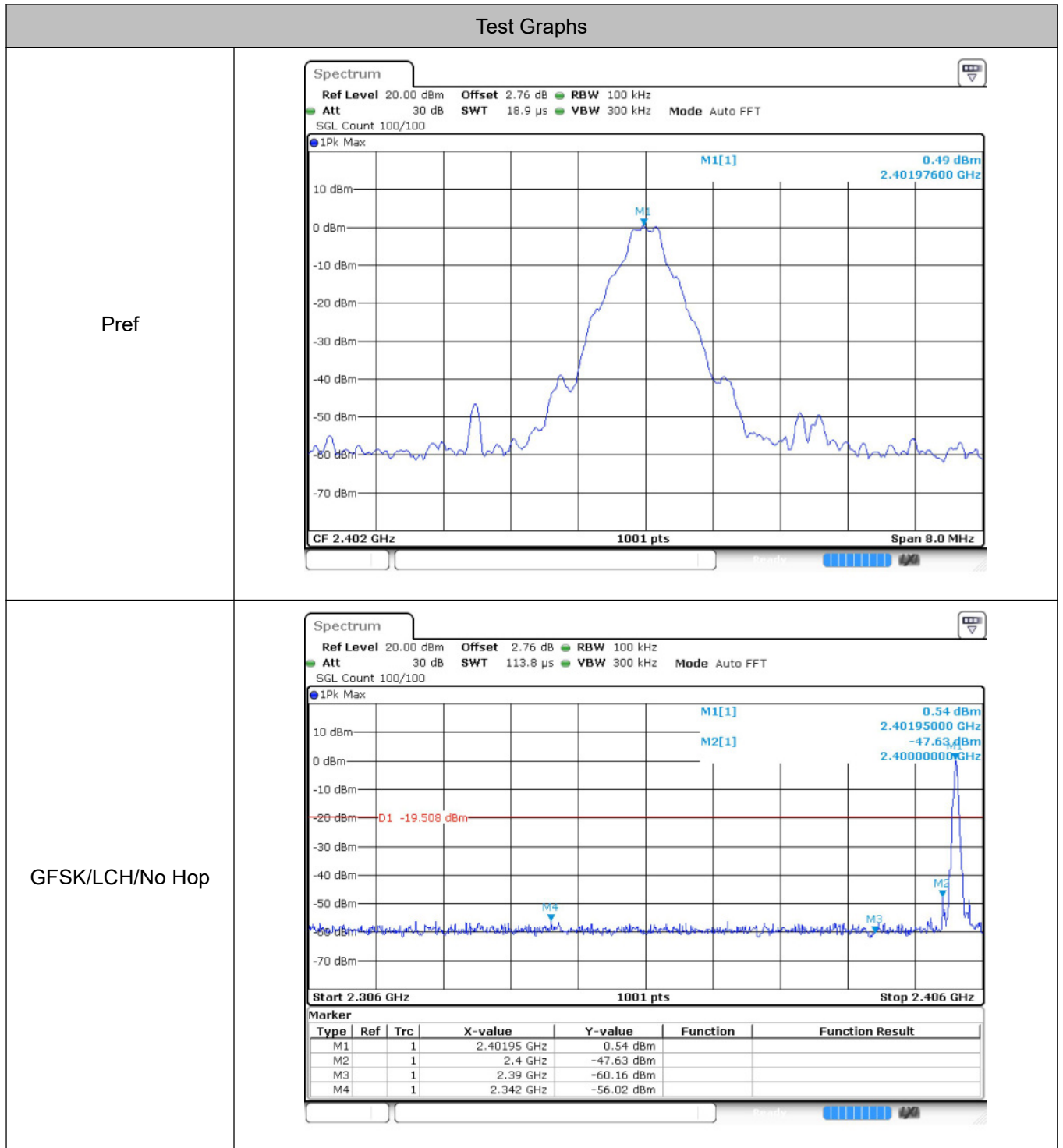


## 8 Band-edge for RF Conducted Emissions

### 8.1 Test Result

| Mode          | Channel | Carrier Frequency [MHz] | Frequency Hopping | Max Spurious Level [dBc] | Limit [dBc] | Verdict |
|---------------|---------|-------------------------|-------------------|--------------------------|-------------|---------|
| GFSK          | LCH     | 2402                    | Off               | -56.5                    | -20         | Pass    |
|               |         |                         | On                | -54.42                   | -20         | Pass    |
|               | HCH     | 2480                    | Off               | -46.87                   | -20         | Pass    |
|               |         |                         | On                | -55.64                   | -20         | Pass    |
| $\pi/4$ DQPSK | LCH     | 2402                    | Off               | -54.56                   | -20         | Pass    |
|               |         |                         | On                | -54.57                   | -20         | Pass    |
|               | HCH     | 2480                    | Off               | -46.41                   | -20         | Pass    |
|               |         |                         | On                | -49.35                   | -20         | Pass    |
| 8DPSK         | LCH     | 2402                    | Off               | -54.26                   | -20         | Pass    |
|               |         |                         | On                | -53.42                   | -20         | Pass    |
|               | HCH     | 2480                    | Off               | -55.58                   | -20         | Pass    |
|               |         |                         | On                | -48.83                   | -20         | Pass    |

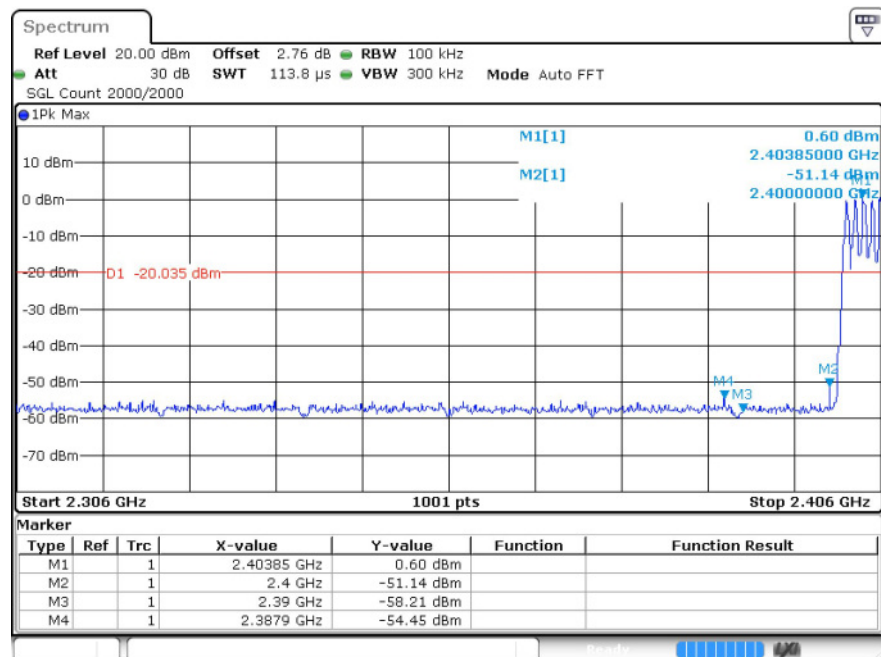
## 8.2 Test Graphs



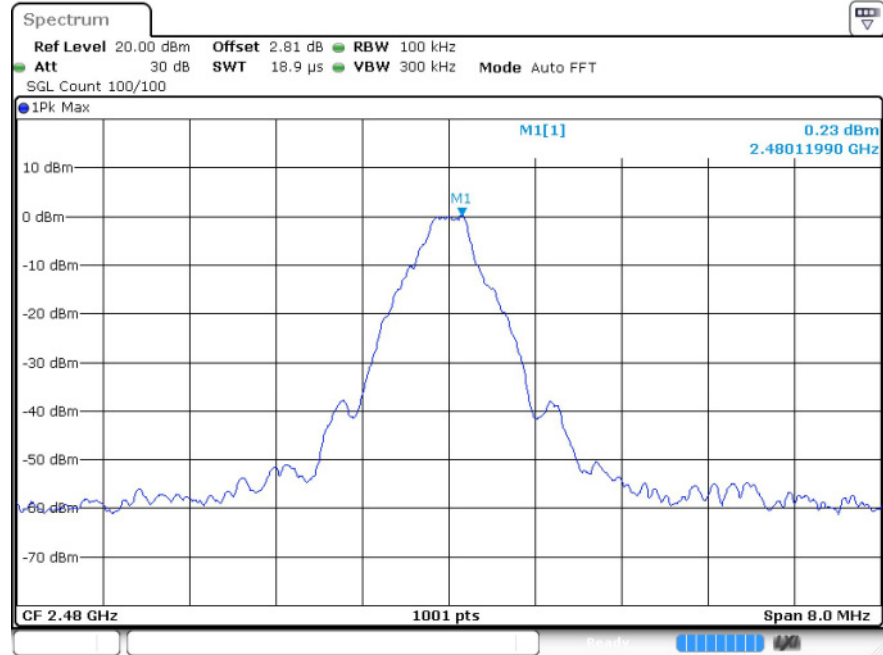
Ref



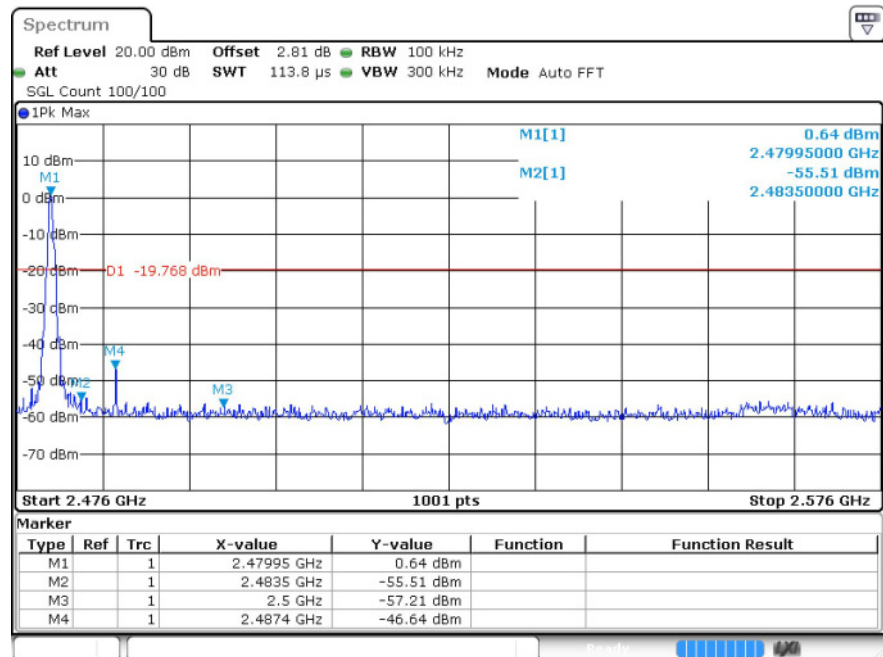
GFSK/LCH/Hop



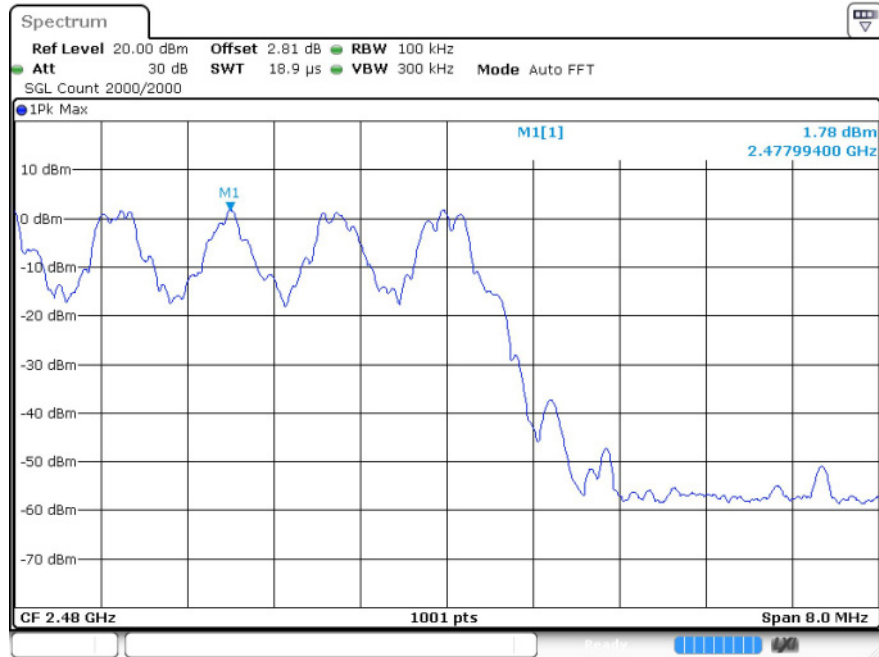
Ref



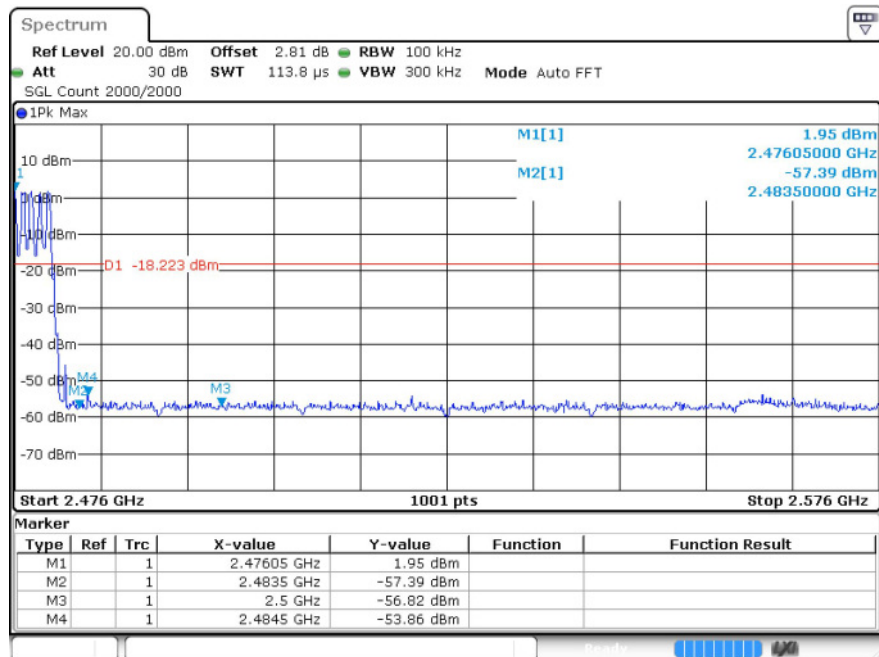
GFSK/HCH/No Hop



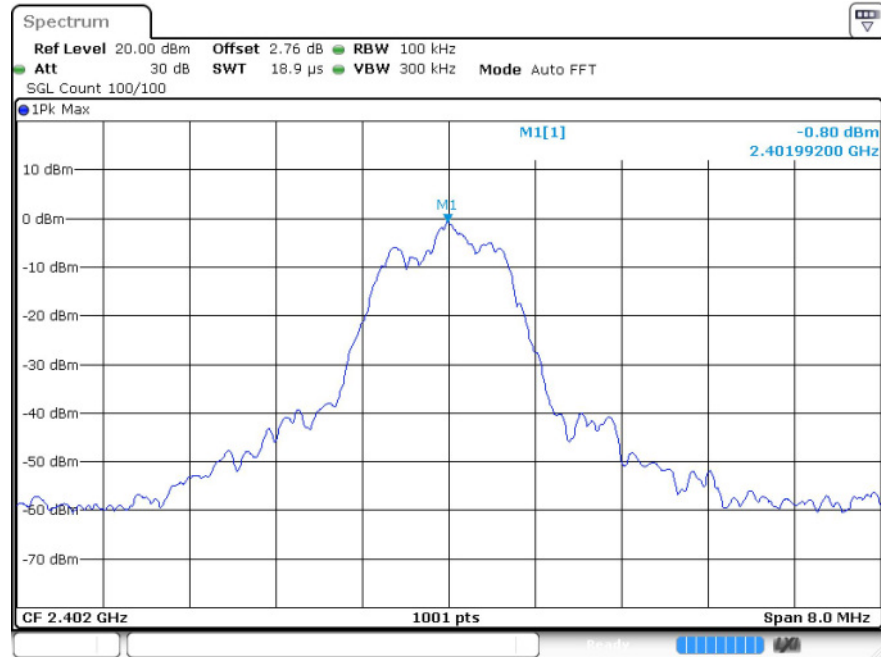
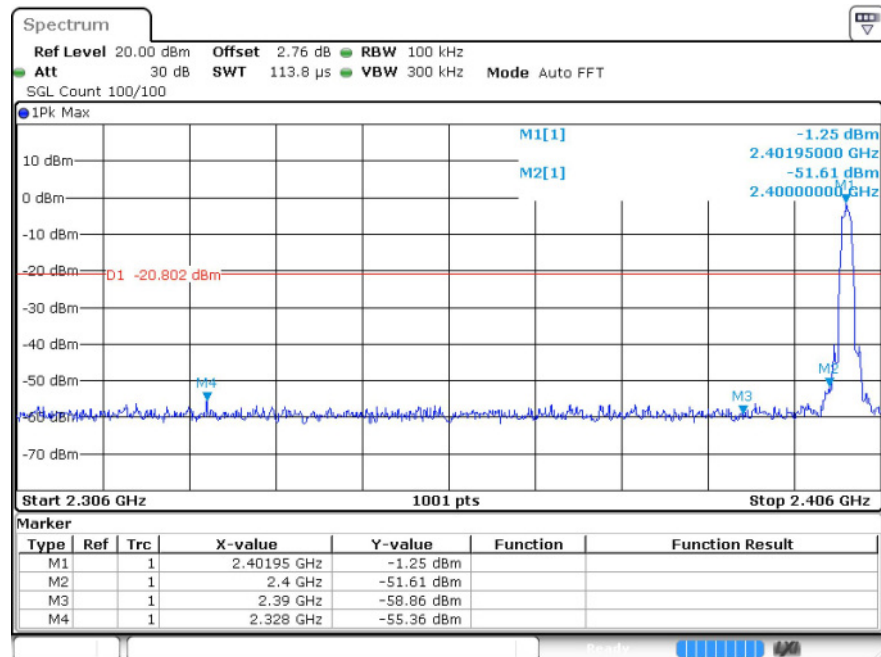
Ref.



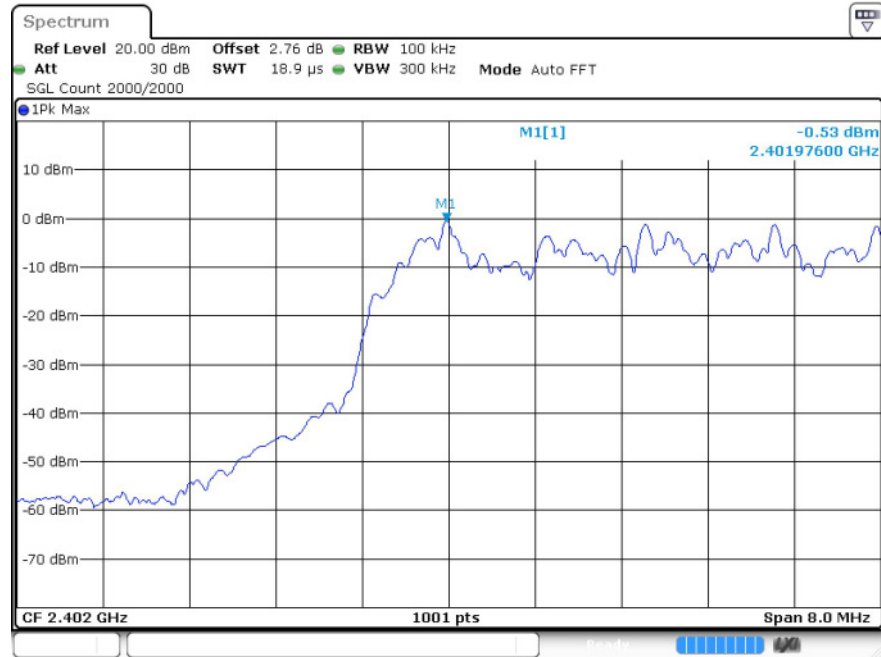
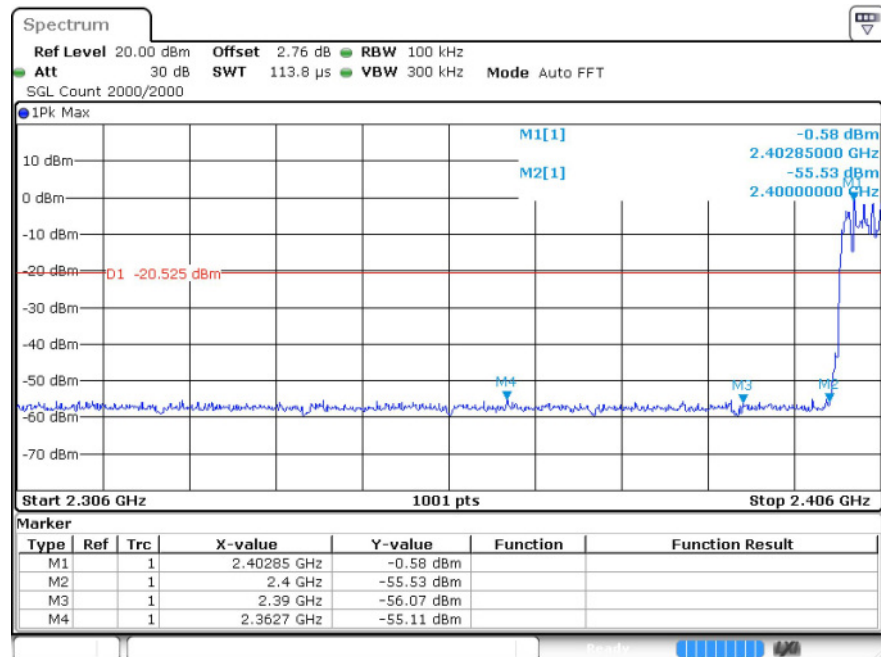
GFSK/HCH/Hop



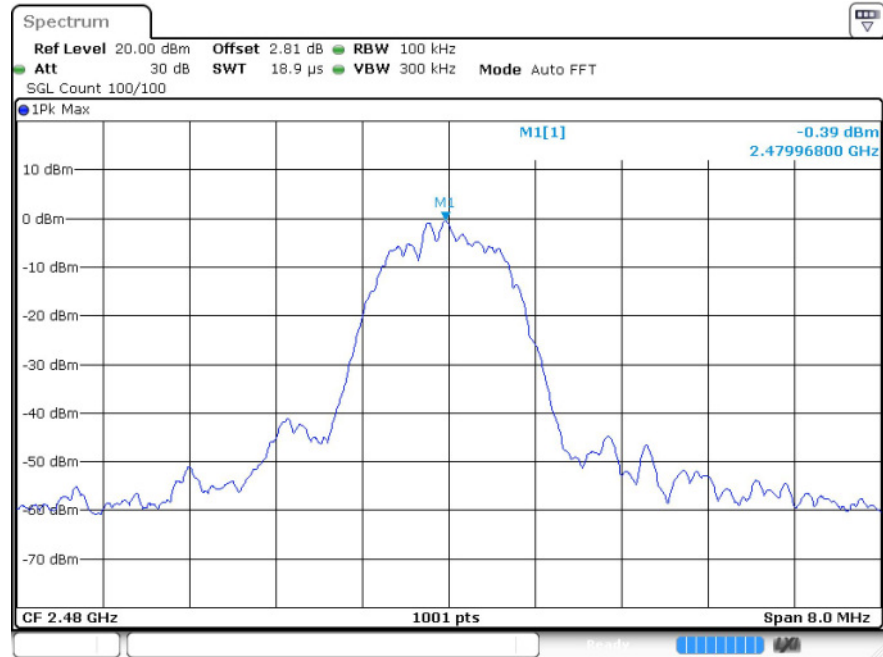
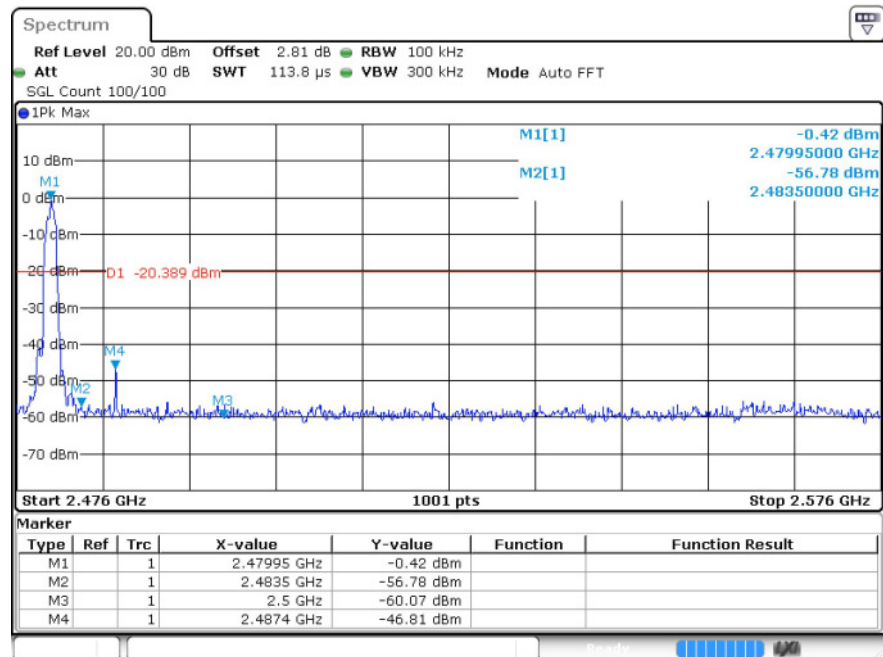
Ref


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


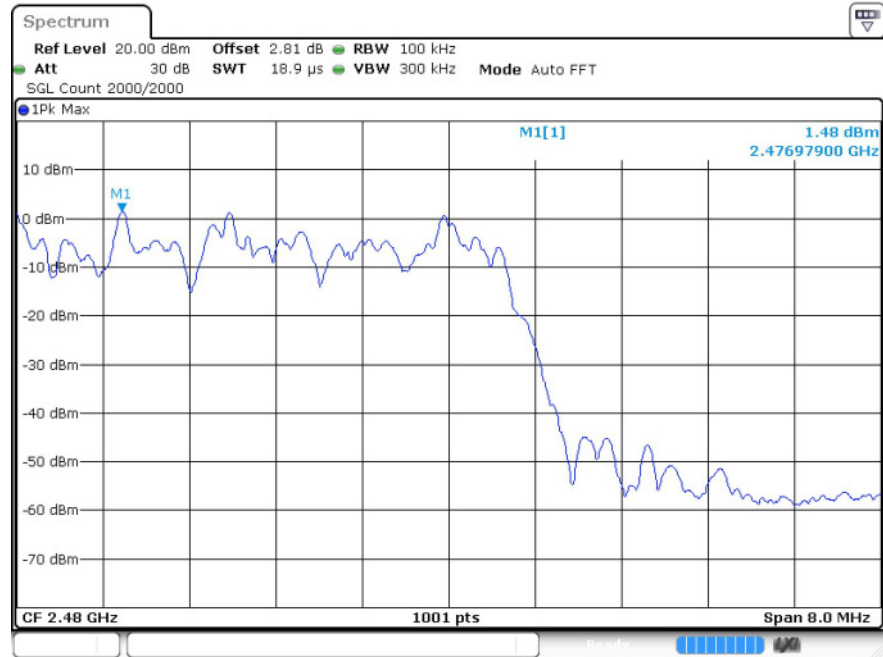
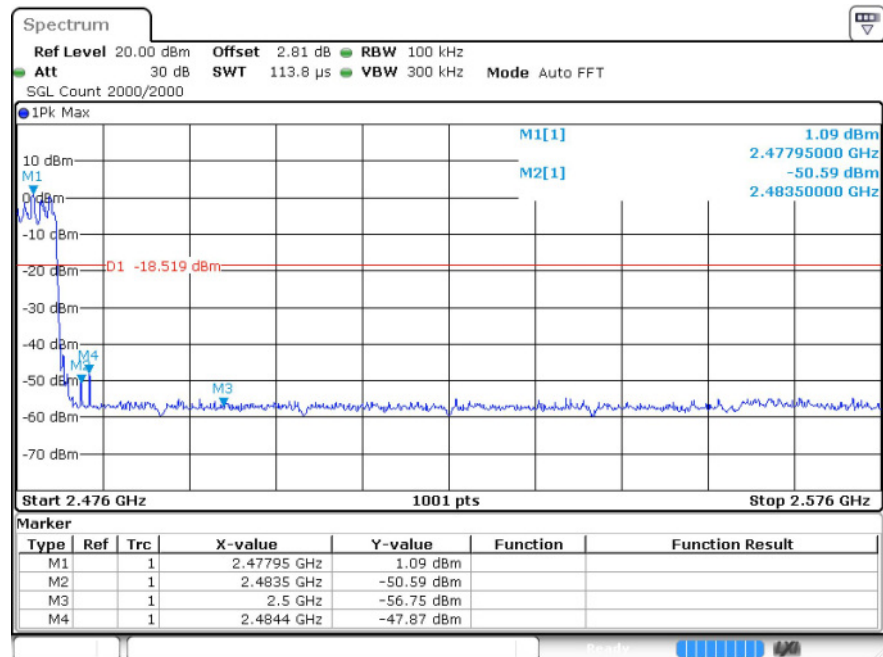
Ref


 $\pi/4$ DQPSK/LCH/Hop


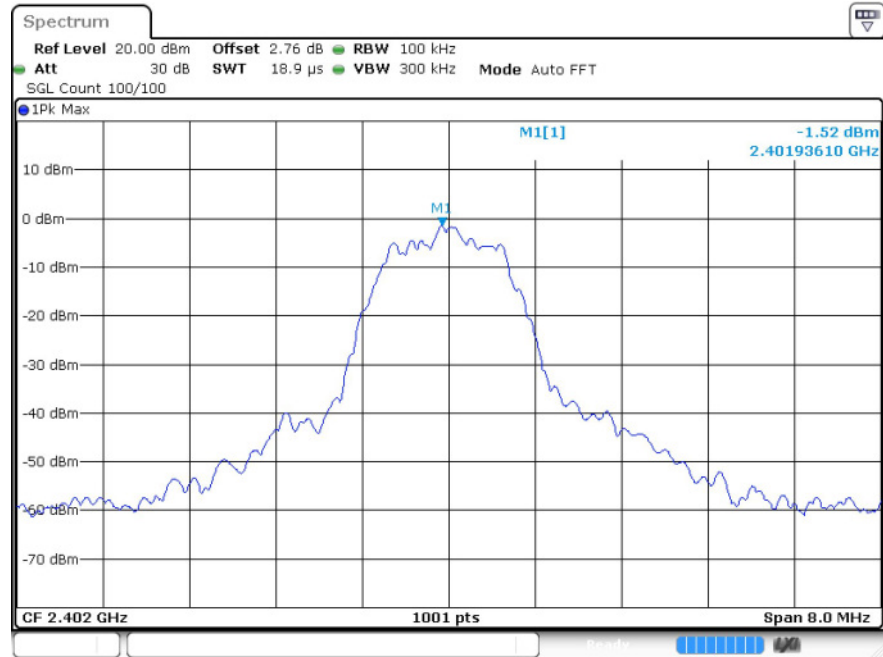
Ref


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


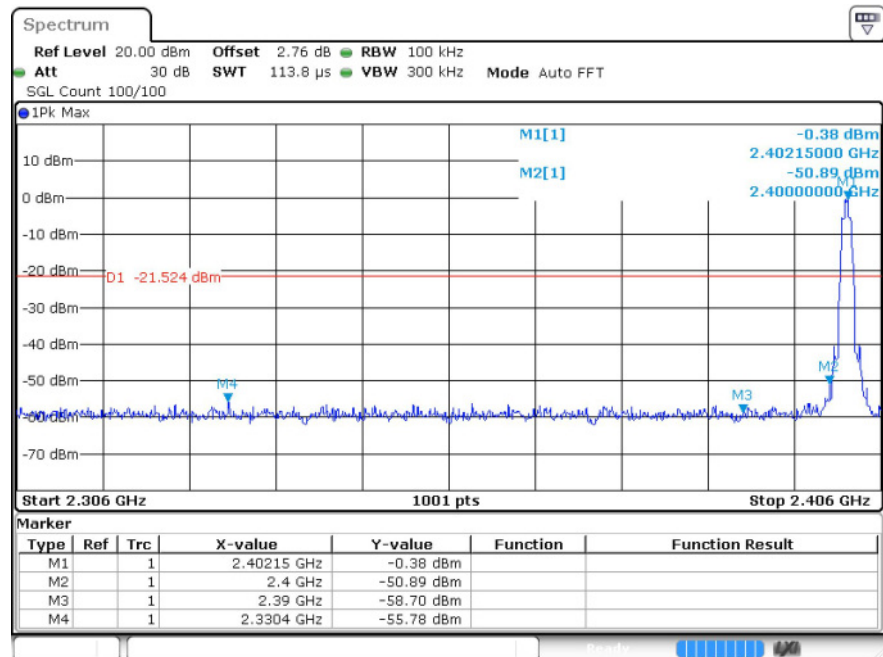
Ref


 $\pi/4$ DQPSK/HCH/Hop


Ref



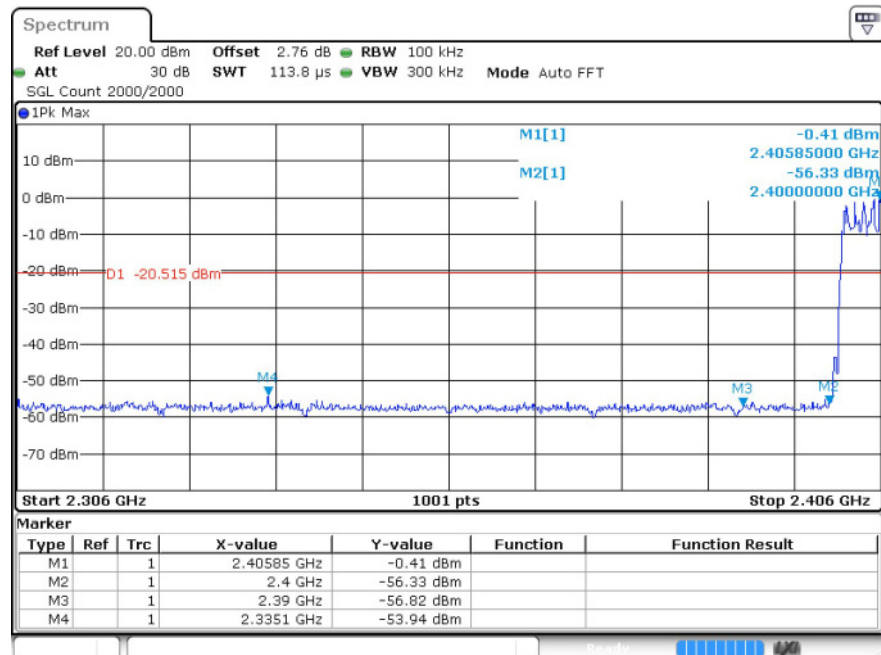
8DPSK/LCH/No Hop



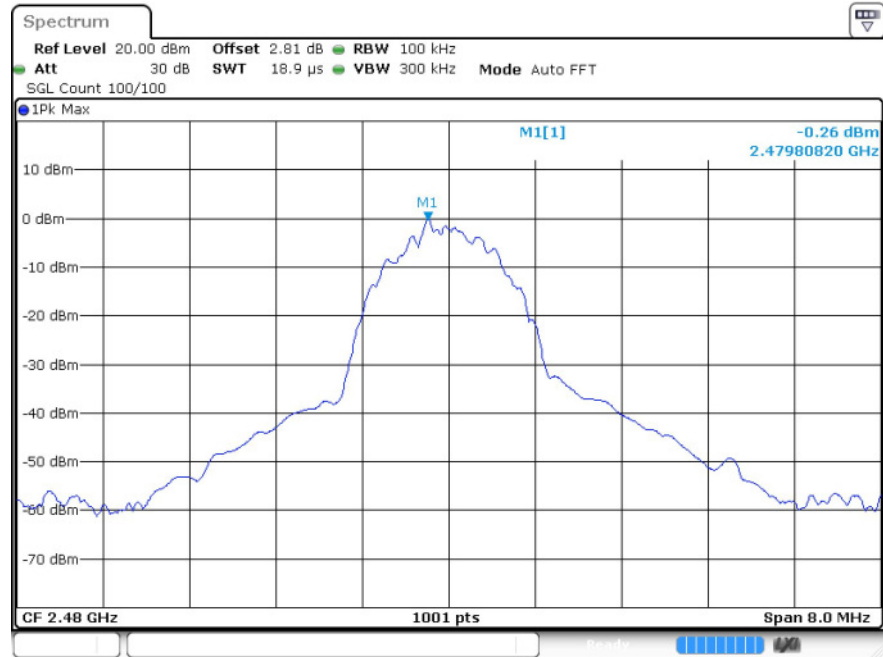
Ref



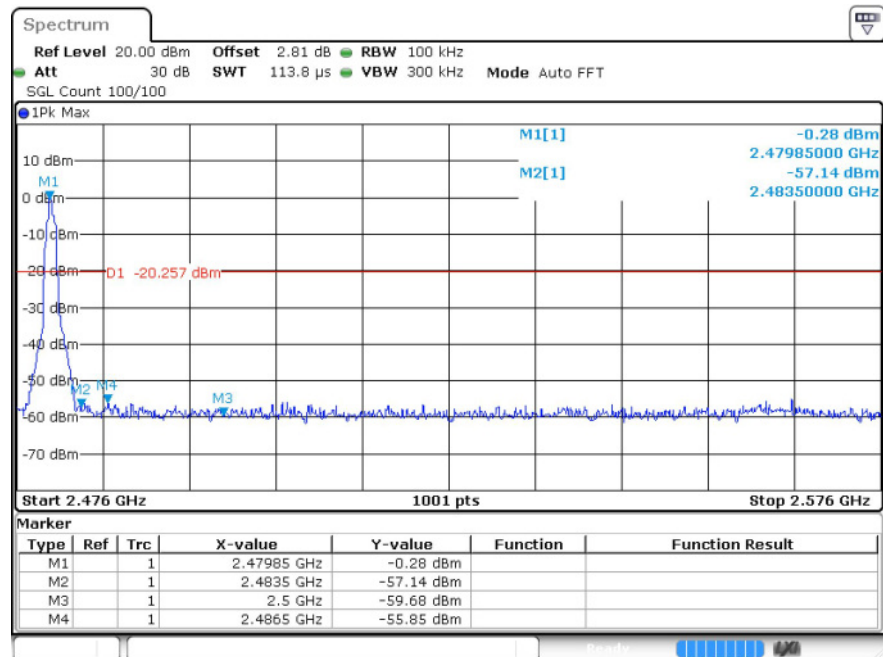
8DPSK/LCH/Hop



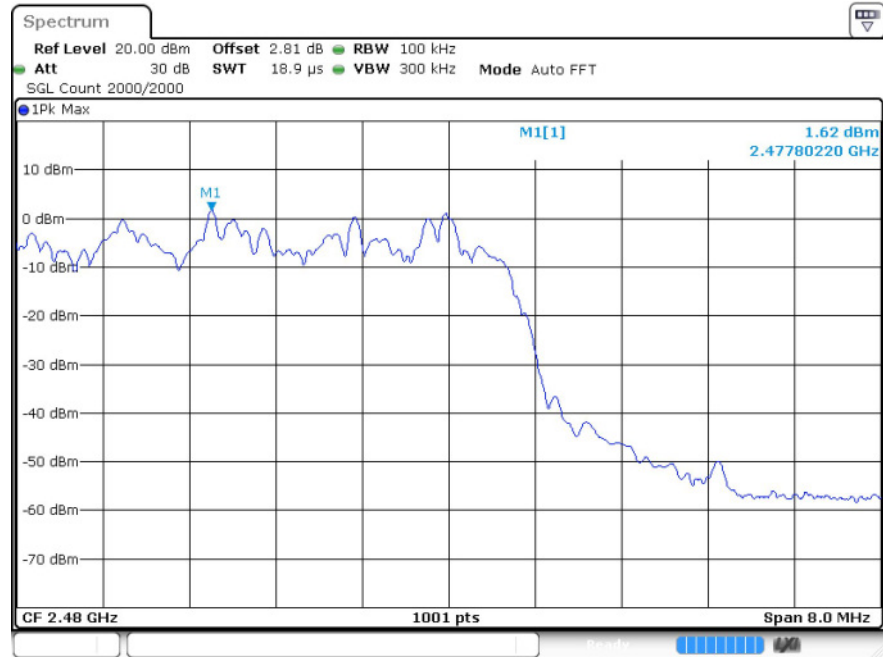
Ref



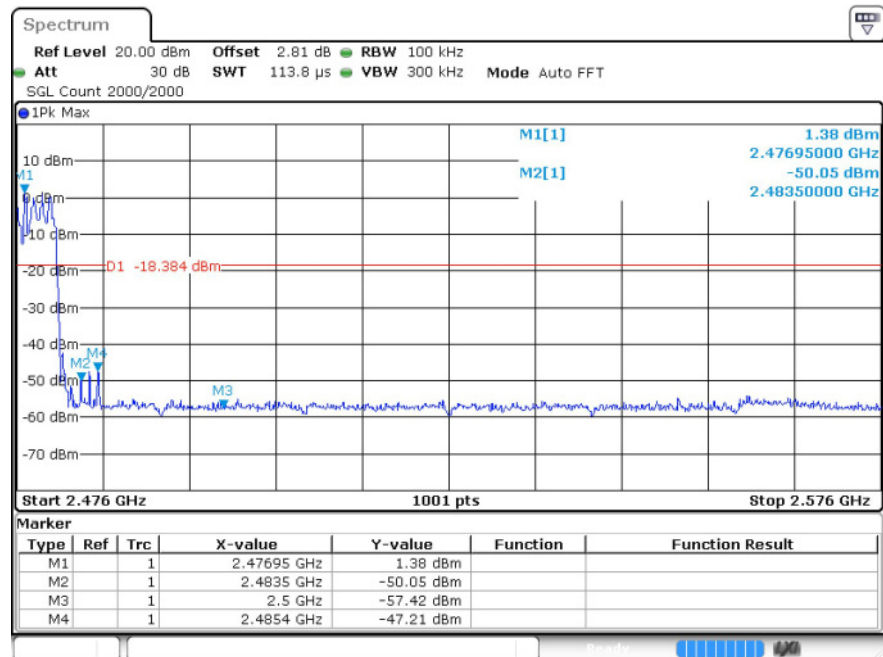
8DPSK/HCH/No Hop



Ref



8DPSK/HCH/Hop



## 9 Restrict-band band-edge measurements

### 9.1 Test Result

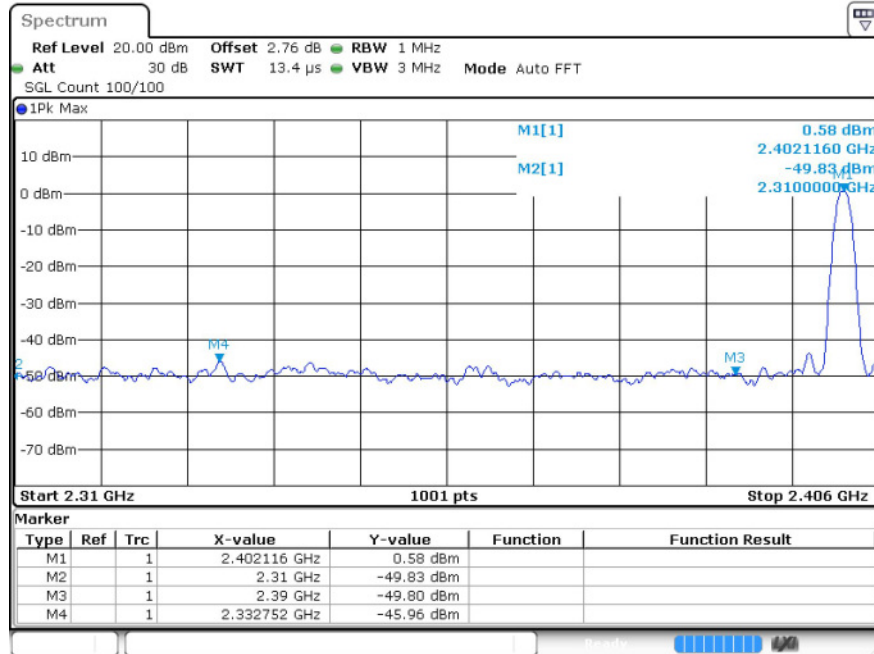
| Test Mode     | Hopping | Freq.    | Power [dBm] | Gain  | Duty Factor | E [dBuV/m] | Detector | Limit [dBuV/m] | Verdict |
|---------------|---------|----------|-------------|-------|-------------|------------|----------|----------------|---------|
| GFSK          | Off     | 2310.0   | -49.83      | 2.499 | -           | 47.90      | PEAK     | 74             | Pass    |
|               | Off     | 2310.0   | -57.95      | 2.499 | 5.06        | 44.84      | AV       | 54             | Pass    |
|               | Off     | 2332.752 | -45.95      | 2.499 | -           | 51.78      | PEAK     | 74             | Pass    |
|               | Off     | 2339.28  | -53.89      | 2.499 | 5.06        | 48.90      | AV       | 54             | Pass    |
|               | Off     | 2390.0   | -49.8       | 2.499 | -           | 47.93      | PEAK     | 74             | Pass    |
|               | Off     | 2390.0   | -56.5       | 2.499 | 5.06        | 46.29      | AV       | 54             | Pass    |
|               | Off     | 2483.5   | -47.7       | 2.499 | -           | 50.03      | PEAK     | 74             | Pass    |
|               | Off     | 2483.5   | -56.32      | 2.499 | 5           | 46.41      | AV       | 54             | Pass    |
|               | Off     | 2487.376 | -46.11      | 2.499 | -           | 51.62      | PEAK     | 74             | Pass    |
|               | Off     | 2487.376 | -55.7       | 2.499 | 5           | 47.03      | AV       | 54             | Pass    |
|               | Off     | 2500.0   | -49.36      | 2.499 | -           | 48.37      | PEAK     | 74             | Pass    |
|               | Off     | 2500.0   | -57.98      | 2.499 | 5           | 44.75      | AV       | 54             | Pass    |
| $\pi/4$ DQPSK | Off     | 2310.0   | -50.14      | 2.499 | -           | 47.59      | PEAK     | 74             | Pass    |
|               | Off     | 2310.0   | -56.74      | 2.499 | 4.95        | 45.94      | AV       | 54             | Pass    |
|               | Off     | 2348.304 | -46.43      | 2.499 | -           | 51.30      | PEAK     | 74             | Pass    |
|               | Off     | 2341.392 | -54.47      | 2.499 | 4.95        | 48.21      | AV       | 54             | Pass    |
|               | Off     | 2390.0   | -47.74      | 2.499 | -           | 49.99      | PEAK     | 74             | Pass    |
|               | Off     | 2390.0   | -56.07      | 2.499 | 4.95        | 46.61      | AV       | 54             | Pass    |
|               | Off     | 2483.5   | -48.6       | 2.499 | -           | 49.13      | PEAK     | 74             | Pass    |
|               | Off     | 2483.5   | -55.33      | 2.499 | 4.95        | 47.35      | AV       | 54             | Pass    |
|               | Off     | 2487.424 | -43.29      | 2.499 | -           | 54.44      | PEAK     | 74             | Pass    |
|               | Off     | 2487.208 | -55.31      | 2.499 | 4.95        | 47.37      | AV       | 54             | Pass    |
|               | Off     | 2500.0   | -48.74      | 2.499 | -           | 48.99      | PEAK     | 74             | Pass    |
|               | Off     | 2500.0   | -56.72      | 2.499 | 4.95        | 45.96      | AV       | 54             | Pass    |
| 8DPSK         | Off     | 2310.0   | -48.87      | 2.499 | -           | 48.86      | PEAK     | 74             | Pass    |
|               | Off     | 2310.0   | -56.61      | 2.499 | 4.95        | 46.07      | AV       | 54             | Pass    |
|               | Off     | 2344.08  | -44.79      | 2.499 | -           | 52.94      | PEAK     | 74             | Pass    |
|               | Off     | 2341.776 | -54.62      | 2.499 | 4.95        | 48.06      | AV       | 54             | Pass    |



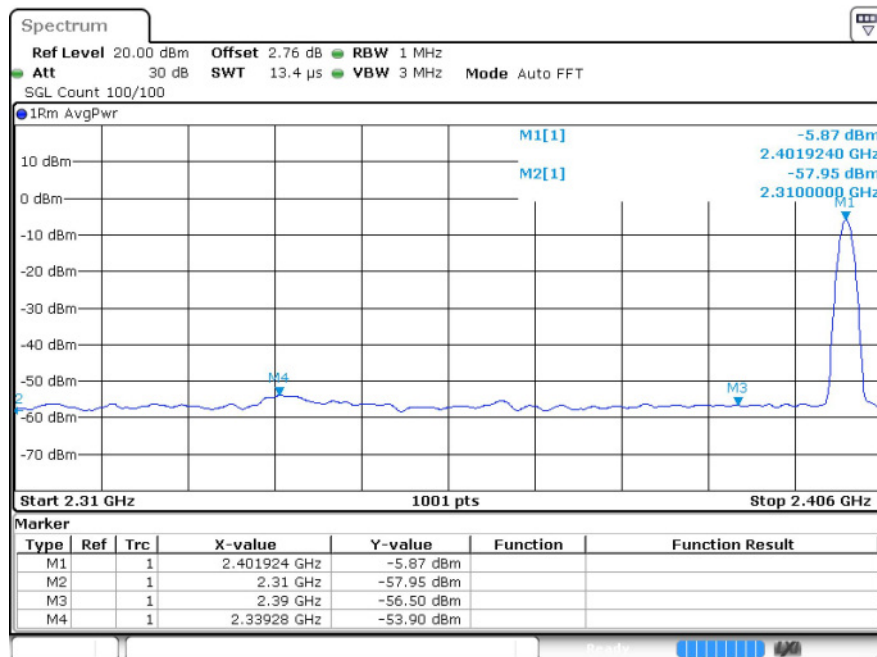
|     |          |        |       |      |       |      |    |      |
|-----|----------|--------|-------|------|-------|------|----|------|
| Off | 2390.0   | -50.78 | 2.499 | -    | 46.95 | PEAK | 74 | Pass |
| Off | 2390.0   | -56.73 | 2.499 | 4.95 | 45.95 | AV   | 54 | Pass |
| Off | 2483.5   | -49.2  | 2.499 | -    | 48.53 | PEAK | 74 | Pass |
| Off | 2483.5   | -56.19 | 2.499 | 4.95 | 46.49 | AV   | 54 | Pass |
| Off | 2487.304 | -46.46 | 2.499 | -    | 51.27 | PEAK | 74 | Pass |
| Off | 2491.048 | -55.69 | 2.499 | 4.95 | 46.99 | AV   | 54 | Pass |
| Off | 2500.0   | -50.46 | 2.499 | -    | 47.27 | PEAK | 74 | Pass |
| Off | 2500.0   | -56.46 | 2.499 | 4.95 | 46.22 | AV   | 54 | Pass |

## 9.2 Test Graphs

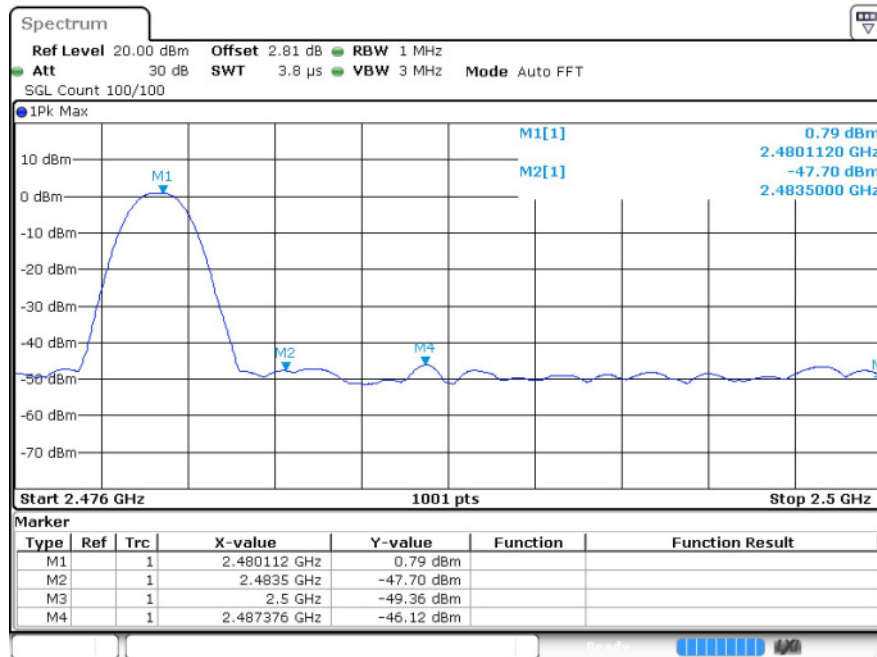
Restrict-band band-edge measurements\_Hopping Off\_ GFSK\_PEAK (Low Channel)



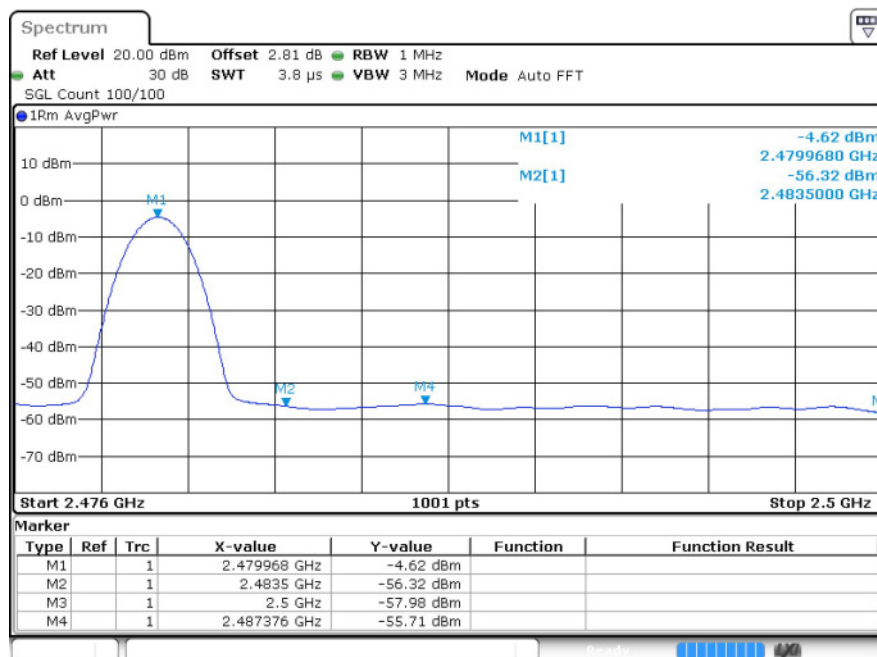
Restrict-band band-edge measurements\_Hopping Off\_ GFSK\_Average (Low Channel)



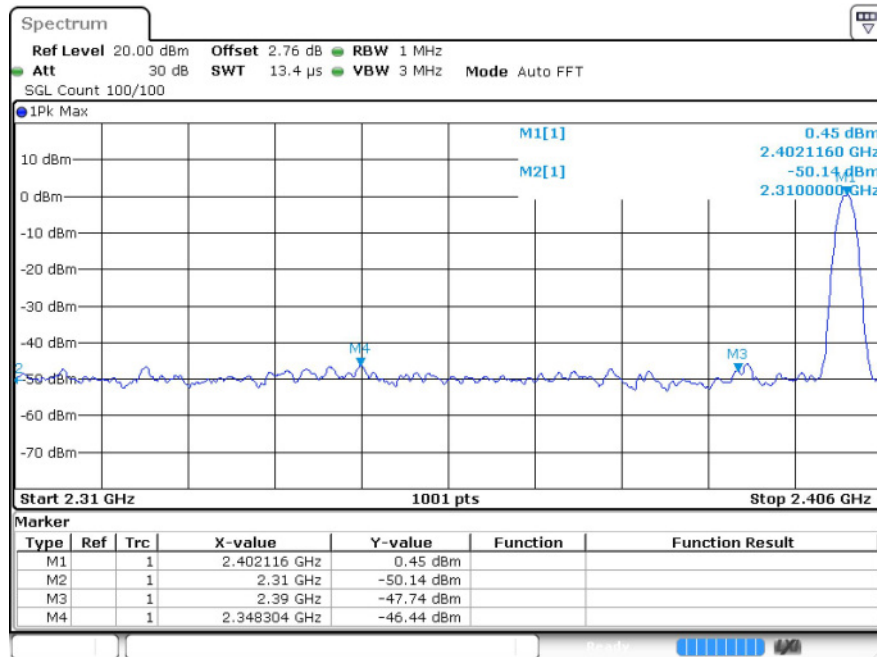
## Restrict-band band-edge measurements\_Hopping Off\_ GFSK\_PEAK (High Channel)



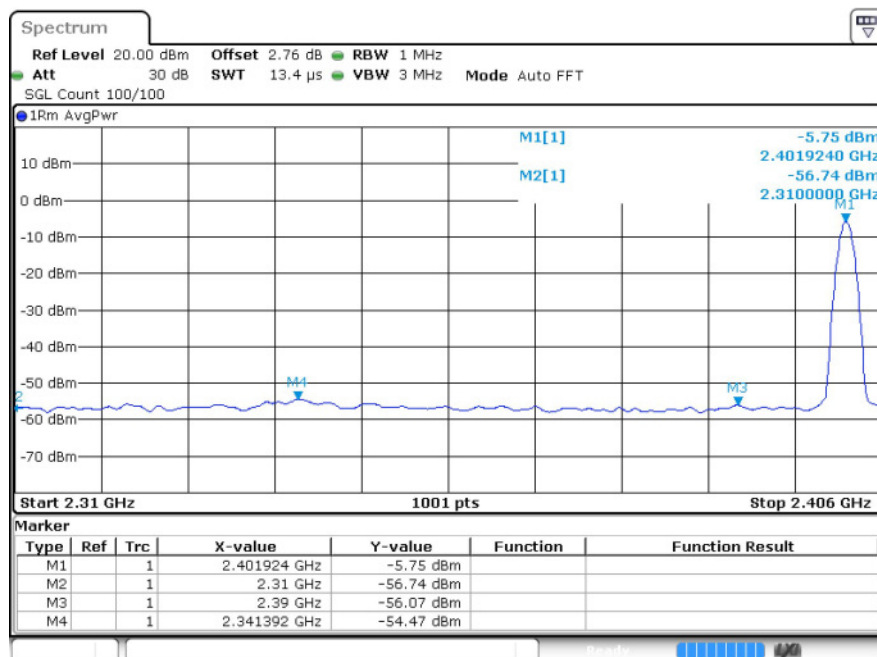
## Restrict-band band-edge measurements\_Hopping Off\_ GFSK\_Average (High Channel)



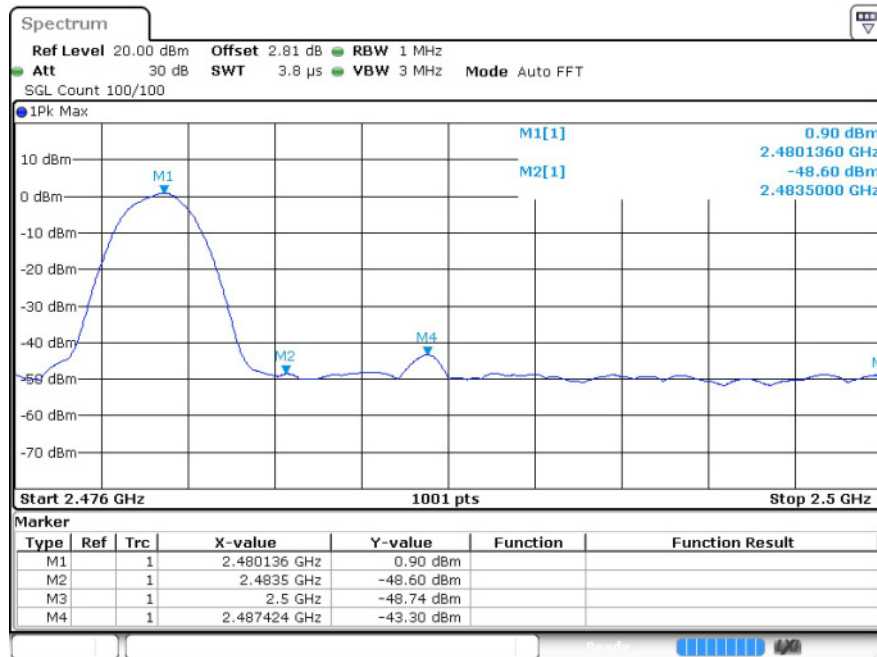
## Restrict-band band-edge measurements\_Hopping Off\_π/4-DQPSK\_PEAK (Low Channel)



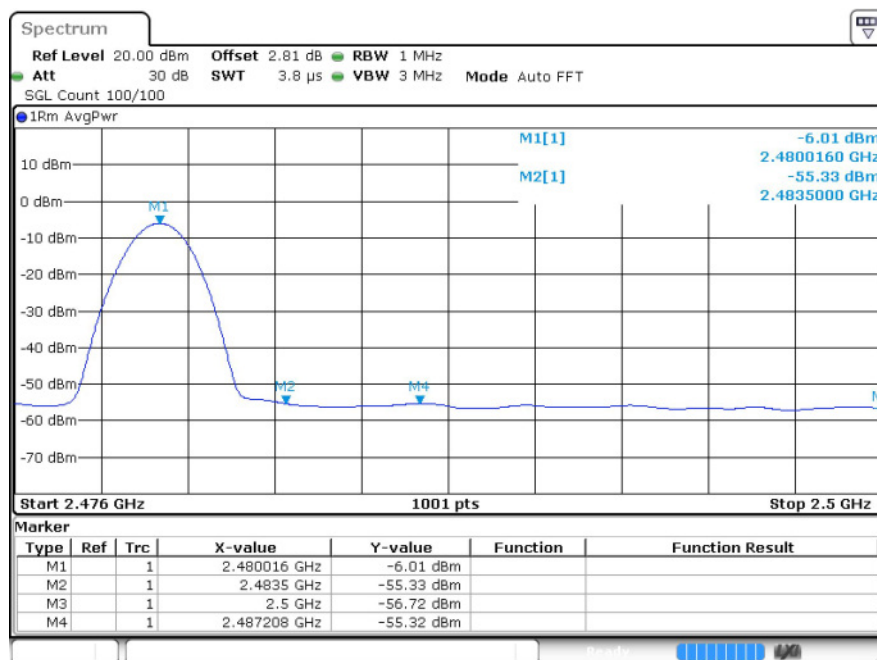
## Restrict-band band-edge measurements\_Hopping Off\_π/4-DQPSK\_Average (Low Channel)



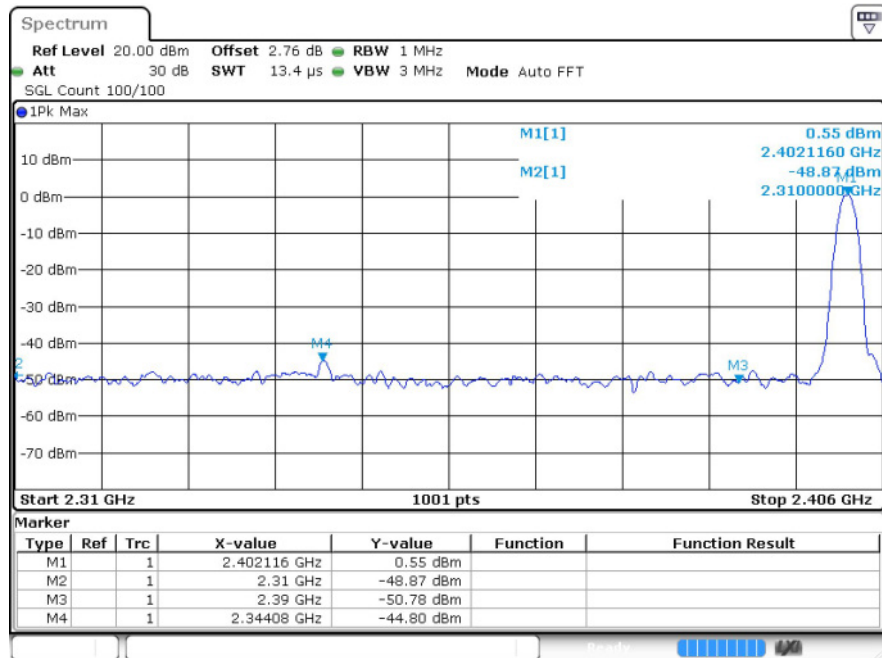
## Restrict-band band-edge measurements\_Hopping Off\_π/4-DQPSK\_PEAK (High Channel)



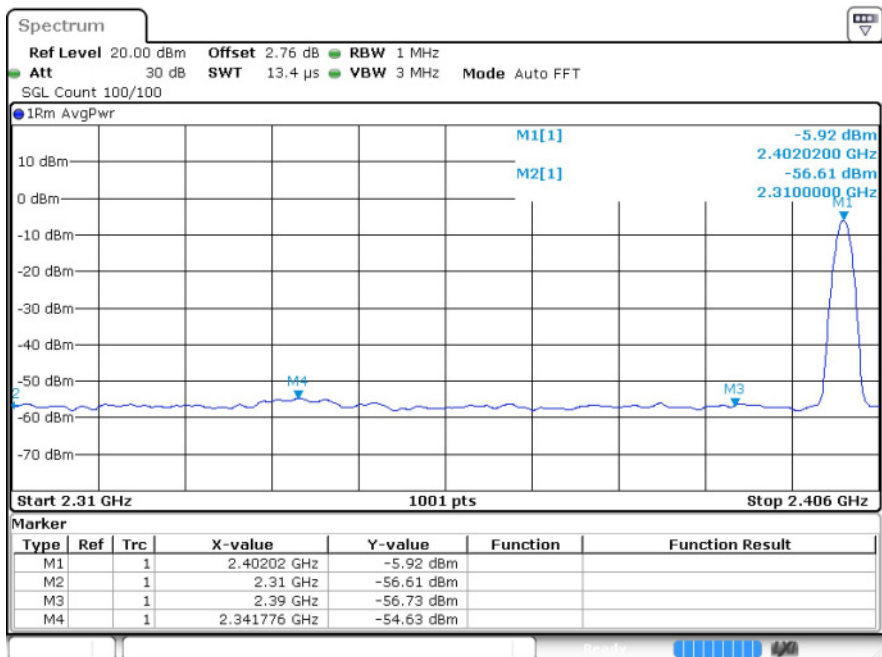
## Restrict-band band-edge measurements\_Hopping Off\_π/4-DQPSK\_Average (High Channel)



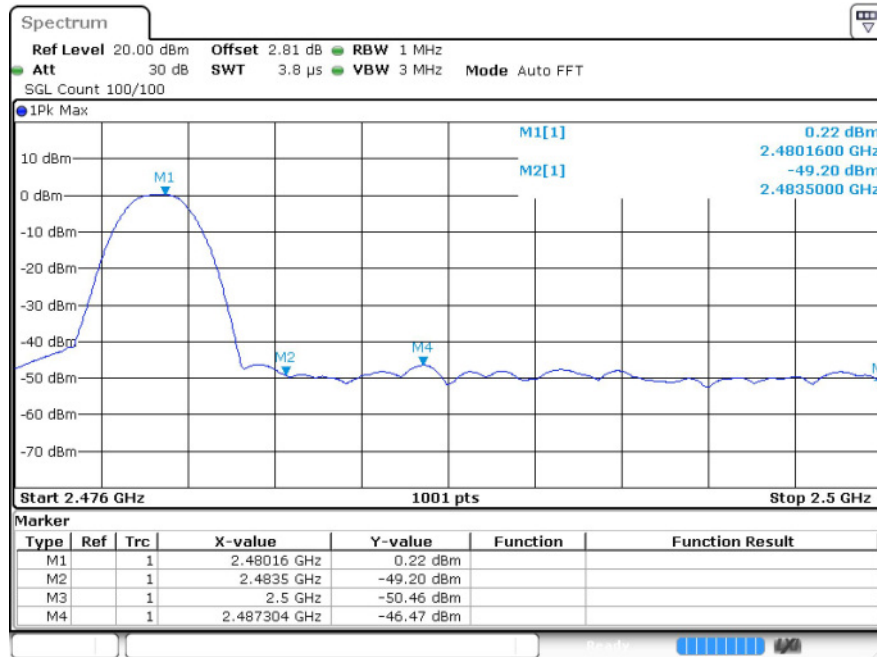
## Restrict-band band-edge measurements\_Hopping Off\_8DPSK\_PEAK (Low Channel)



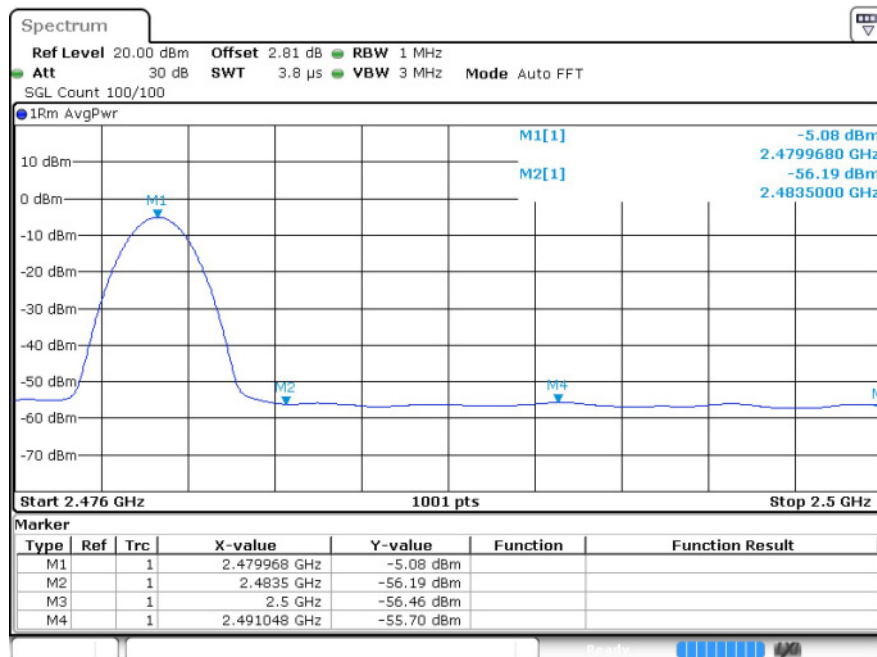
## Restrict-band band-edge measurements\_Hopping Off\_8DPSK\_Average (Low Channel)



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



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



---The End---