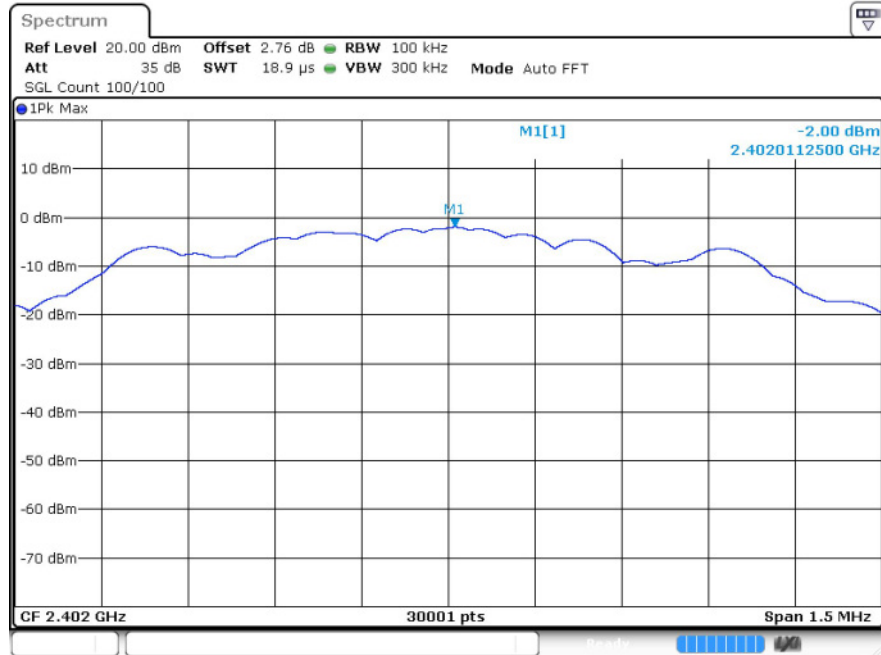
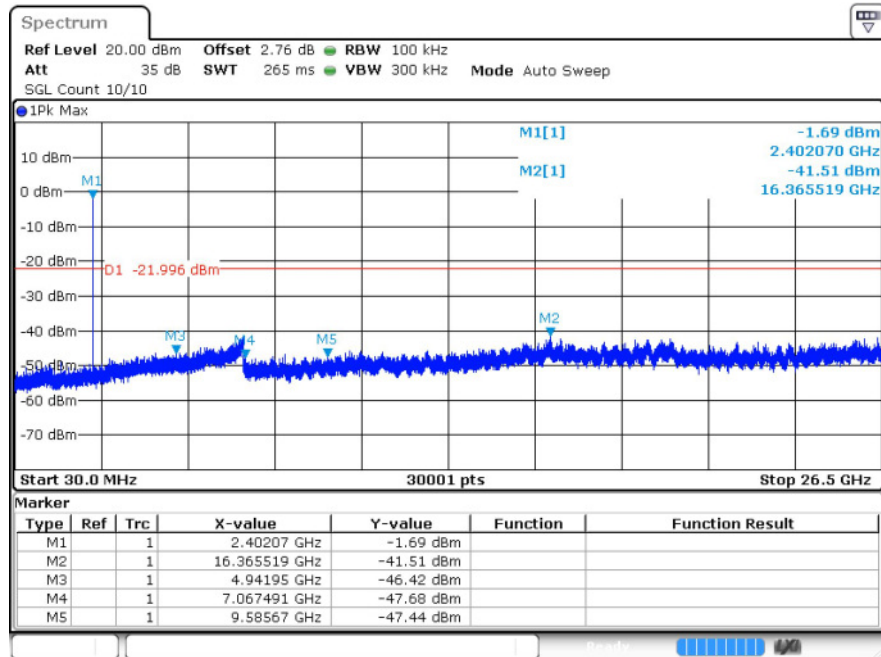


## 8DPSK\_LCH\_Graphs

Pref

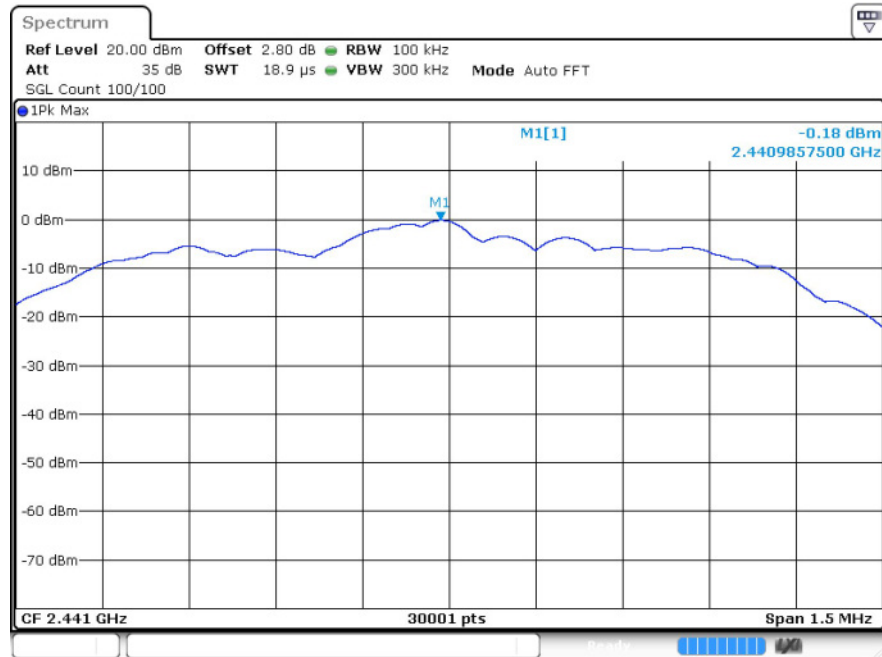


Puw

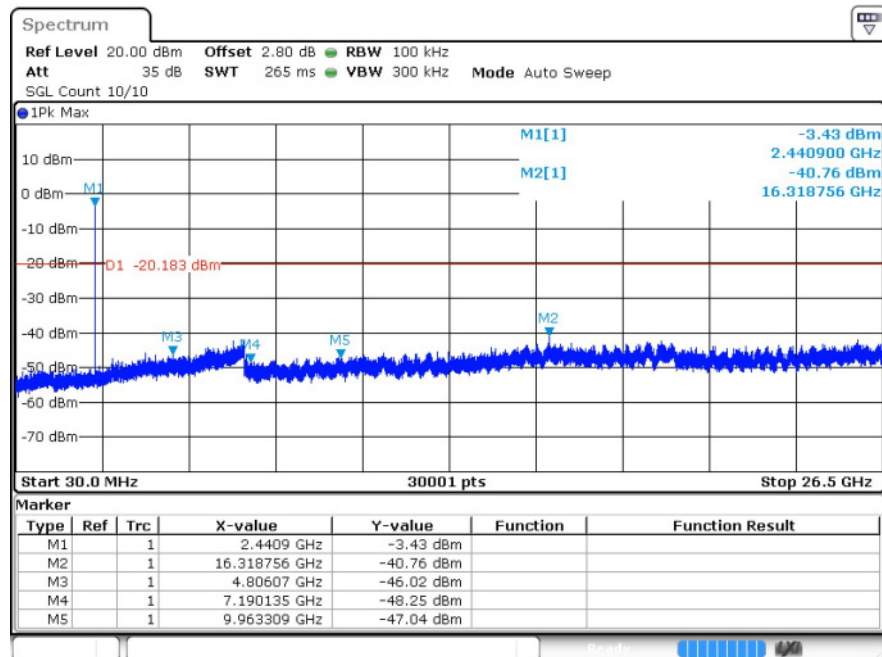


## 8DPSK\_MCH\_Graphs

Pref

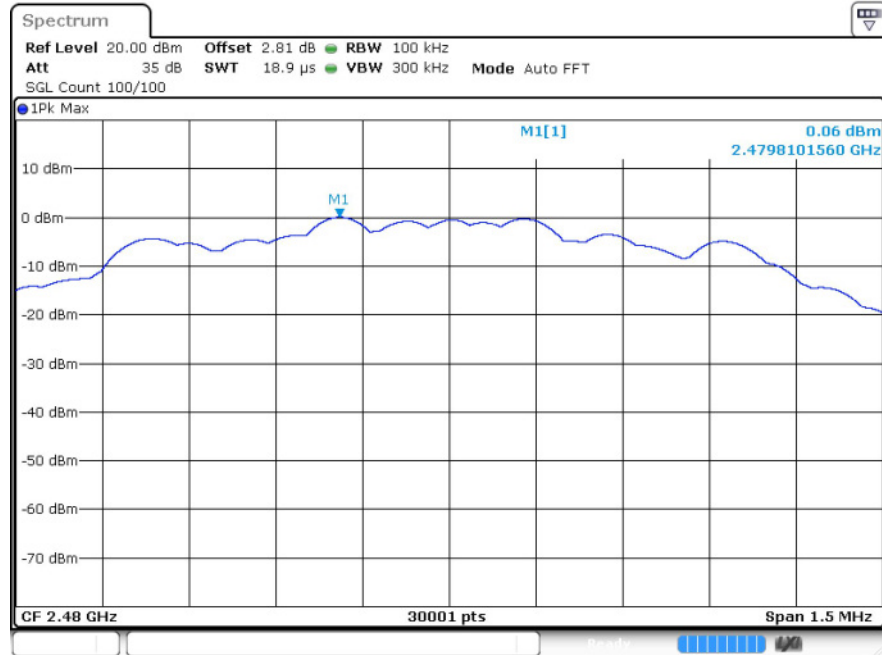


Puw

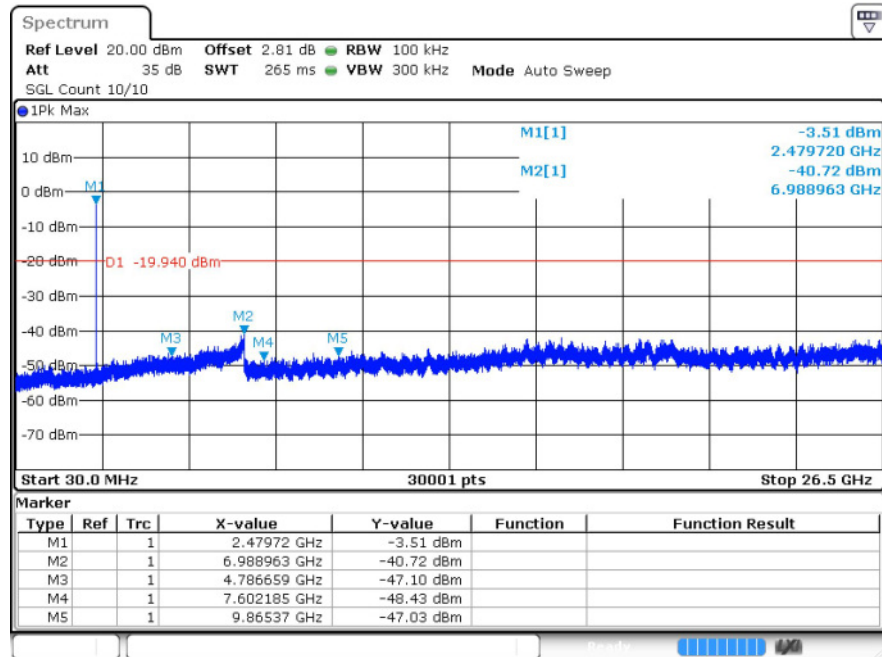


## 8DPSK\_HCH\_Graphs

Pref



Puw



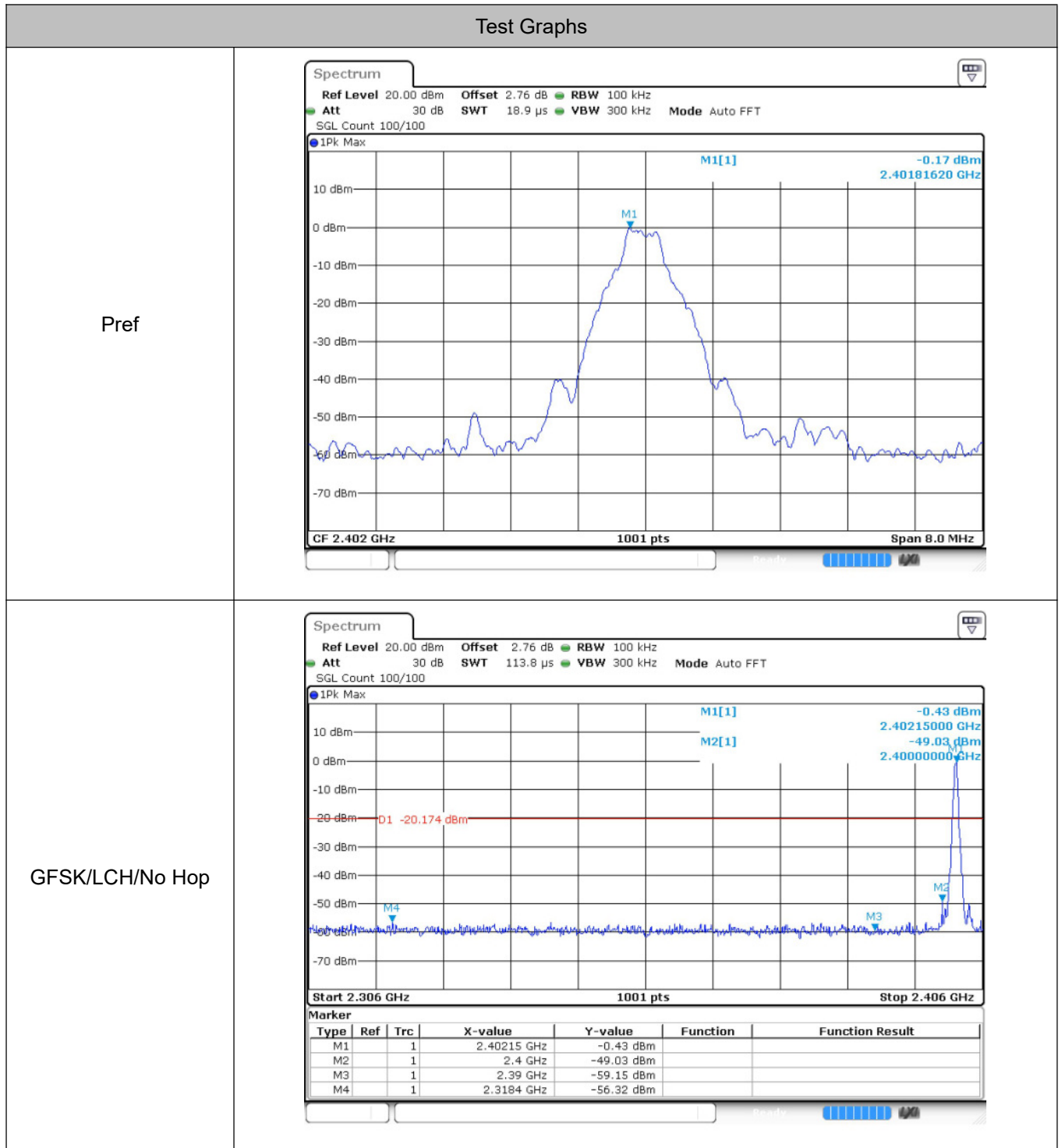
## 8 Band-edge for RF Conducted Emissions

### 8.1 Test Result

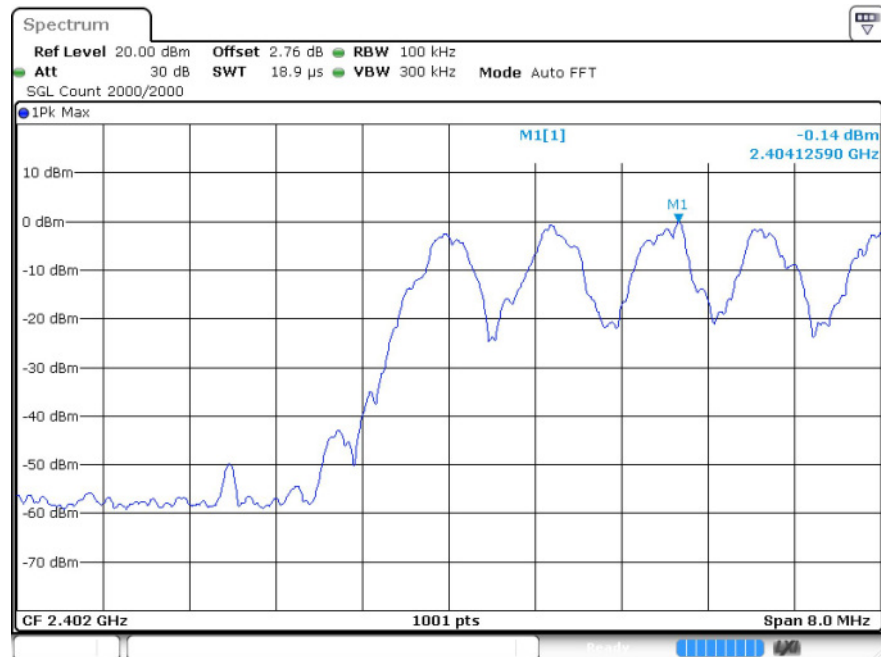
| Mode          | Channel | Carrier Frequency [MHz] | Frequency Hopping | Max Spurious Level [dBc] | Limit [dBc] | Verdict |
|---------------|---------|-------------------------|-------------------|--------------------------|-------------|---------|
| GFSK          | LCH     | 2402                    | Off               | -56.15                   | -20         | Pass    |
|               |         |                         | On                | -54.96                   | -20         | Pass    |
|               | HCH     | 2480                    | Off               | -50.98                   | -20         | Pass    |
|               |         |                         | On                | -57.54                   | -20         | Pass    |
| $\pi/4$ DQPSK | LCH     | 2402                    | Off               | -54.09                   | -20         | Pass    |
|               |         |                         | On                | -54.17                   | -20         | Pass    |
|               | HCH     | 2480                    | Off               | -55.44                   | -20         | Pass    |
|               |         |                         | On                | -49.14                   | -20         | Pass    |
| 8DPSK         | LCH     | 2402                    | Off               | -53.6                    | -20         | Pass    |
|               |         |                         | On                | -53.15                   | -20         | Pass    |
|               | HCH     | 2480                    | Off               | -55.75                   | -20         | Pass    |
|               |         |                         | On                | -47.9                    | -20         | Pass    |

Note: Both the left and right earphones have been tested. The left earphone is the worst mode, only reflecting the worst mode.

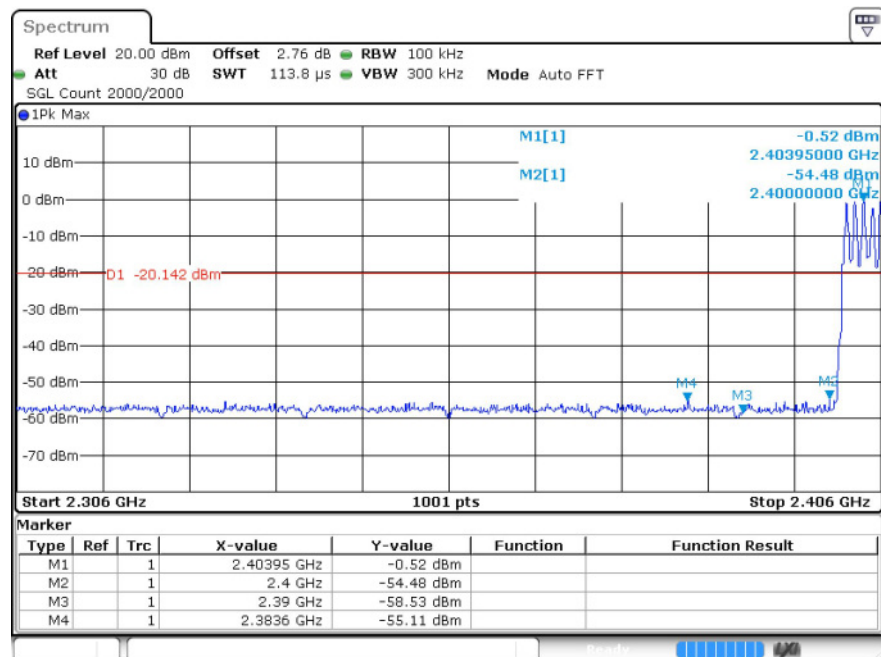
## 8.2 Test Graphs



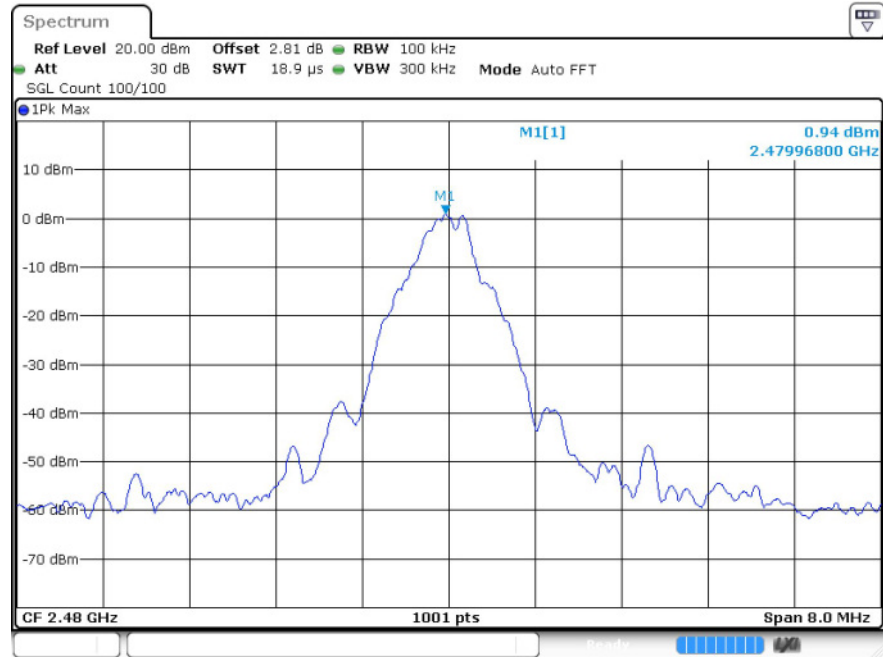
Ref



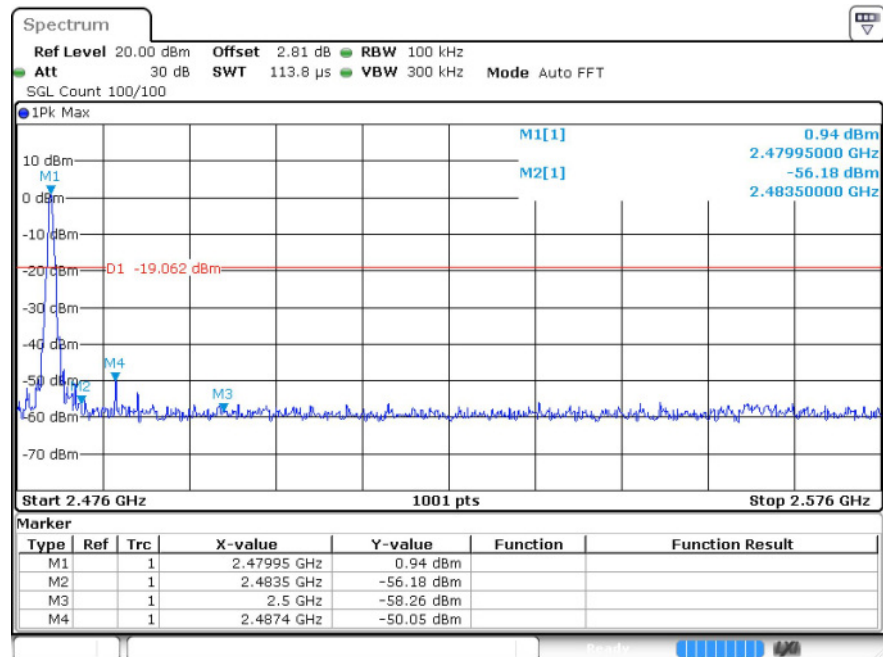
GFSK/LCH/Hop



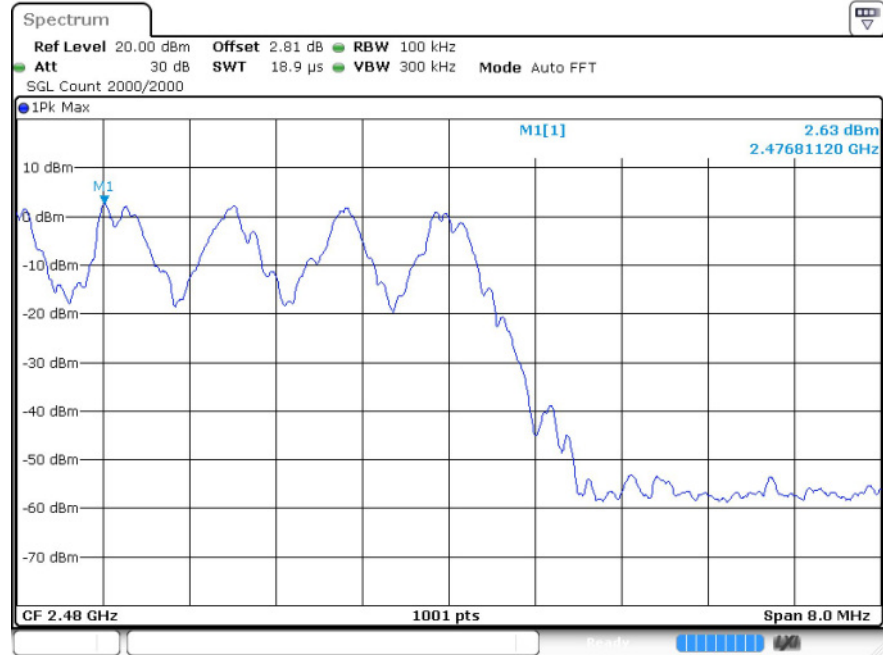
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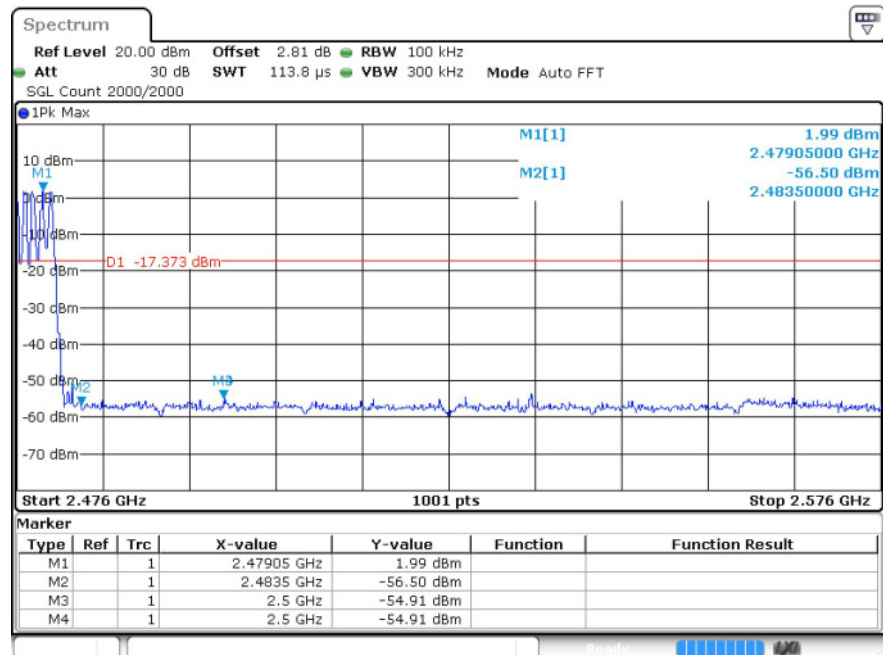
GFSK/HCH/No Hop

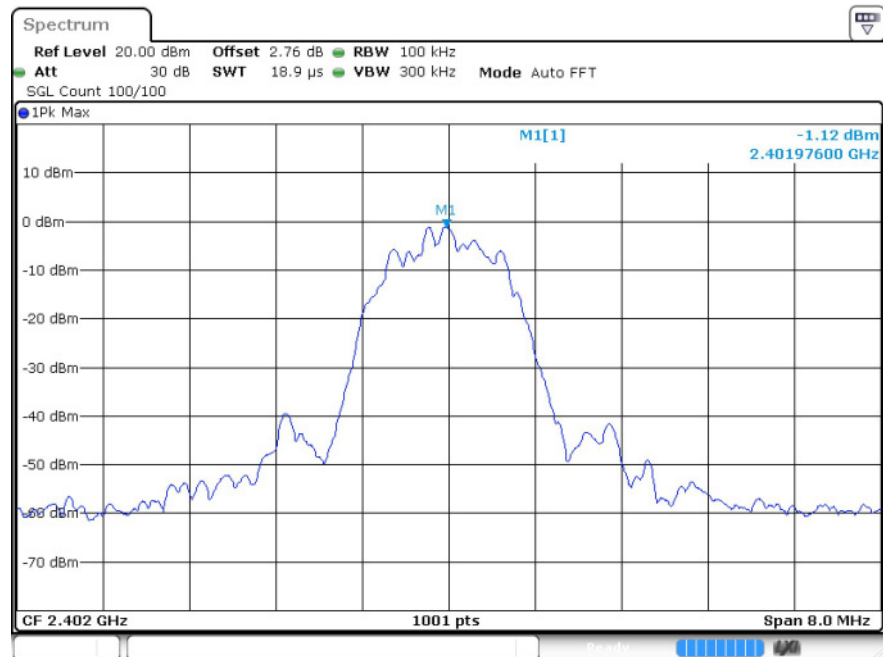


Ref.

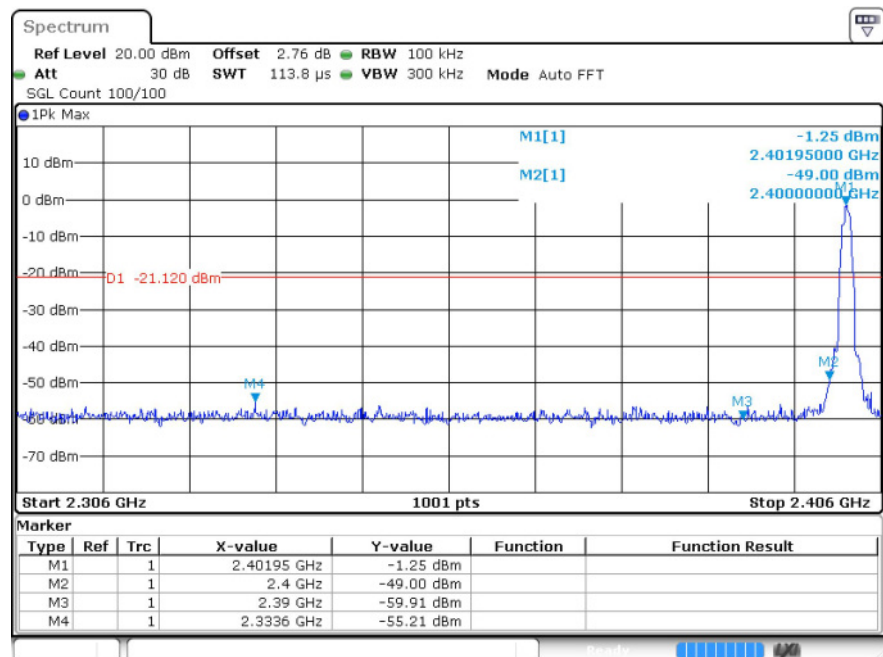


GFSK/HCH/Hop

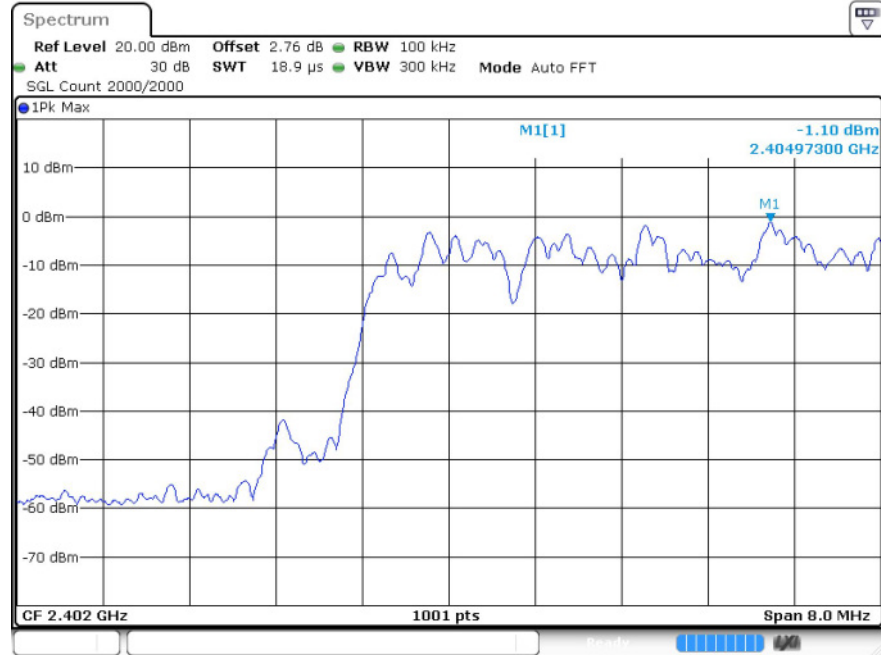
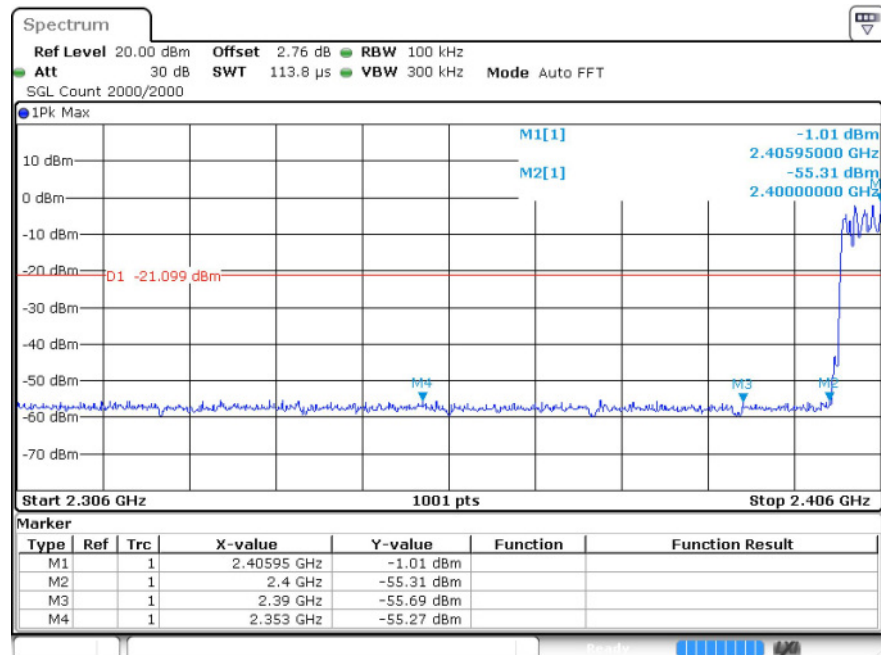




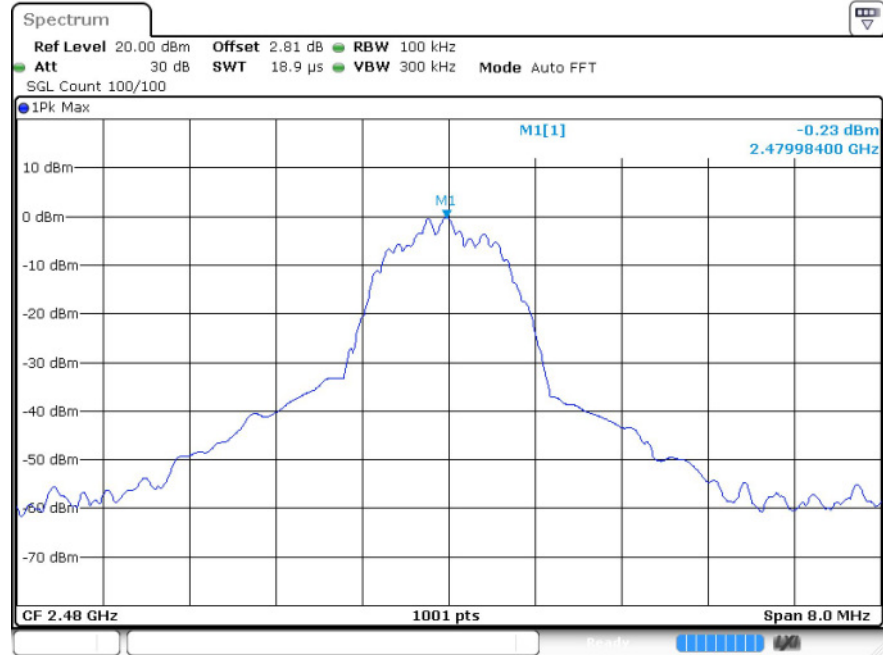
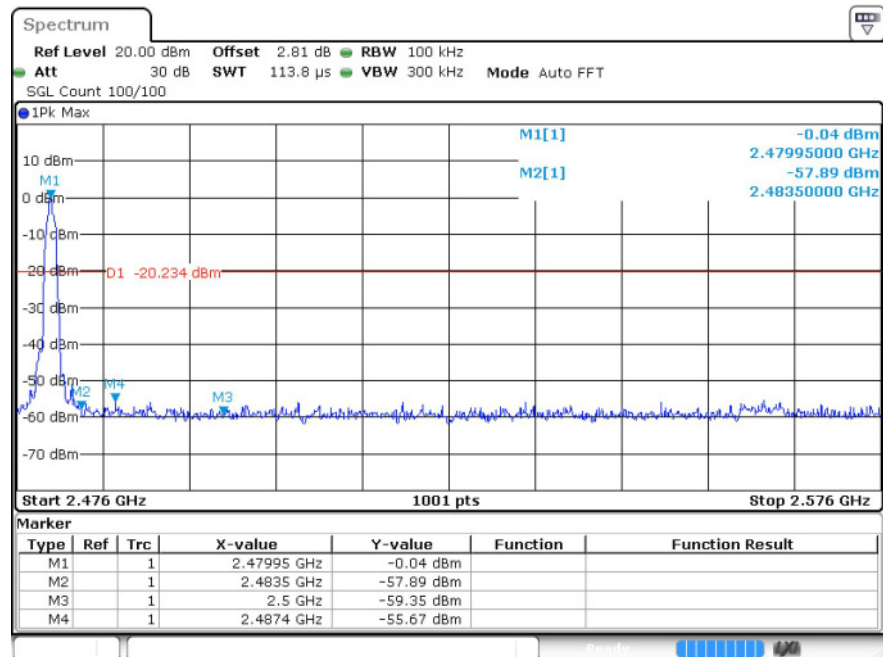
$\pi/4$ DQPSK/LCH/No  
Hop



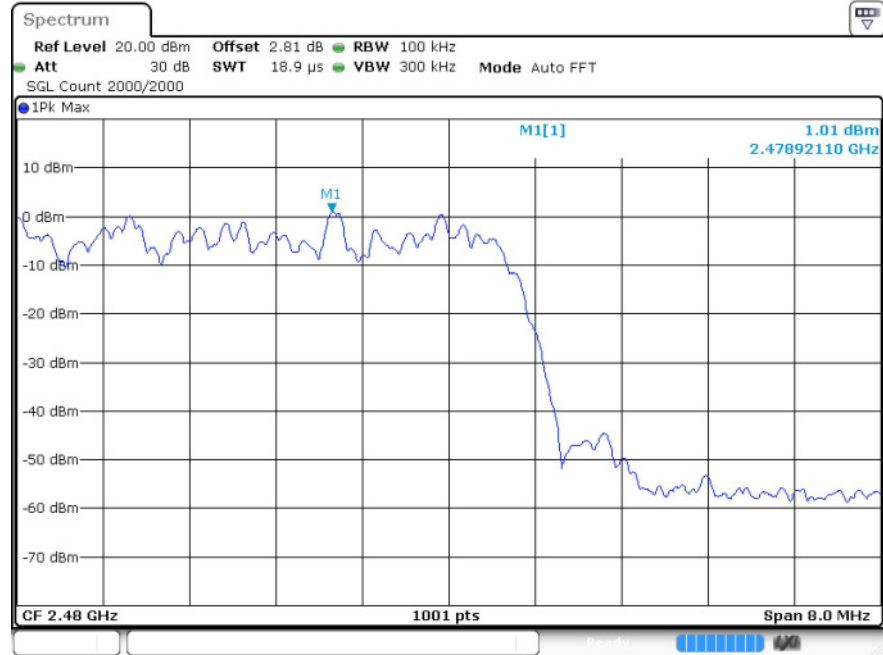
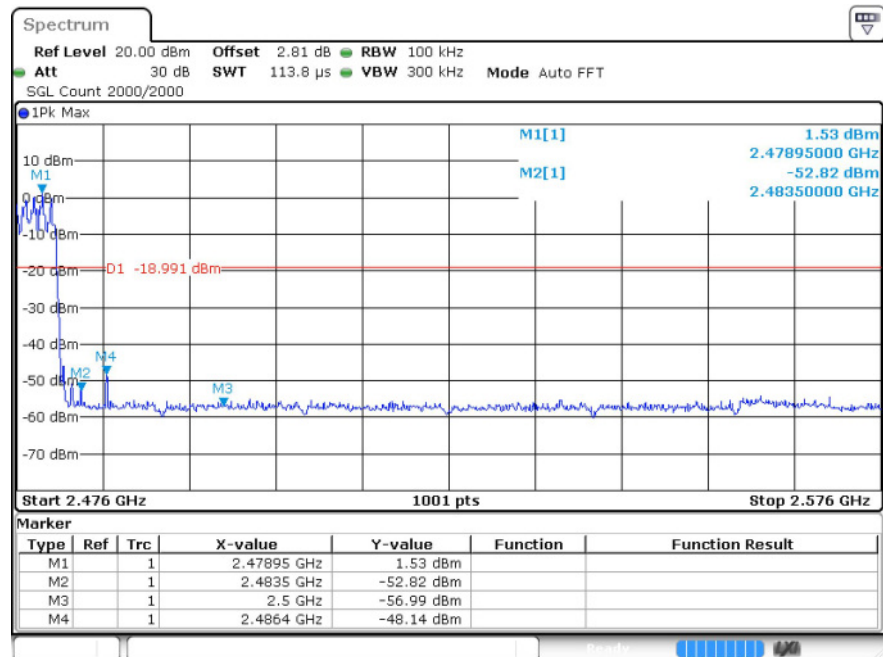
Ref


 $\pi/4$ DQPSK/LCH/Hop


Ref

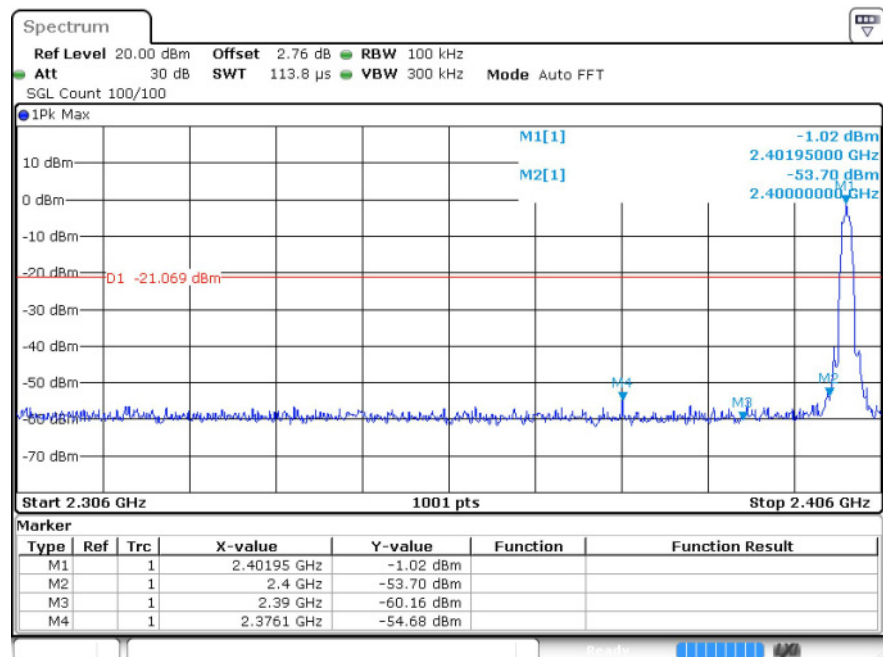

 $\pi/4$ DQPSK/HCH/No Hop


Ref

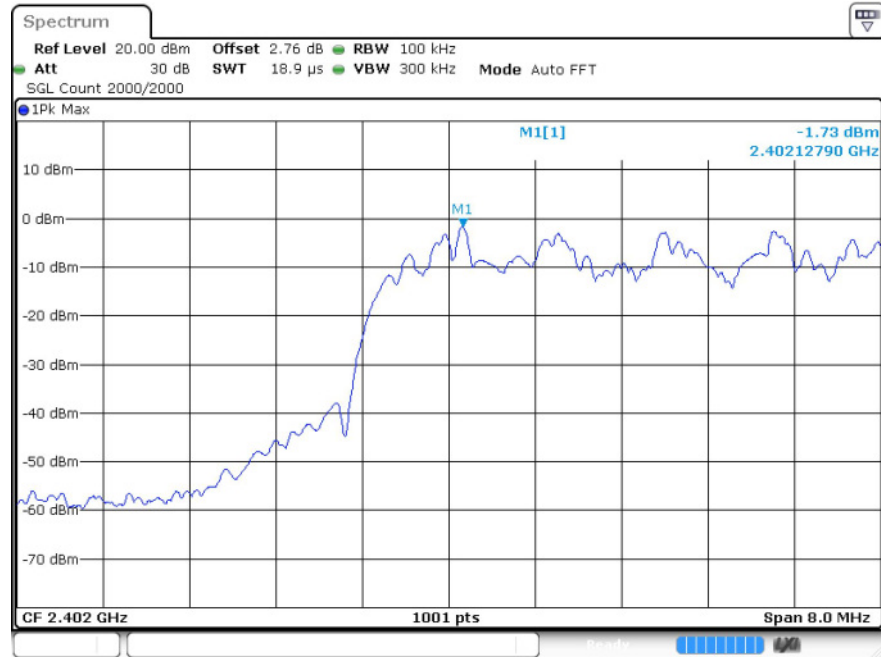

 $\pi/4$ DQPSK/HCH/Hop




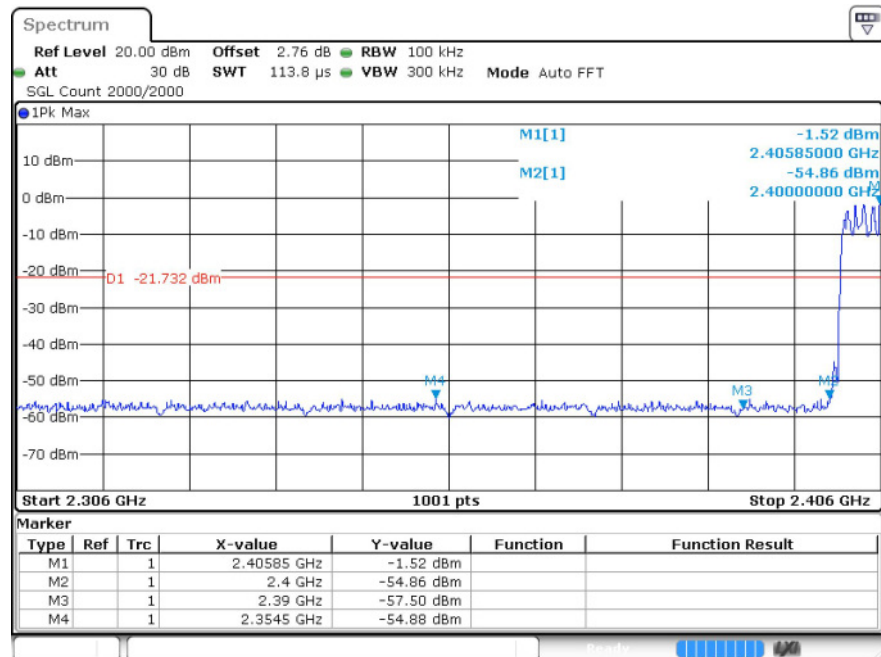
8DPSK/LCH/No Hop



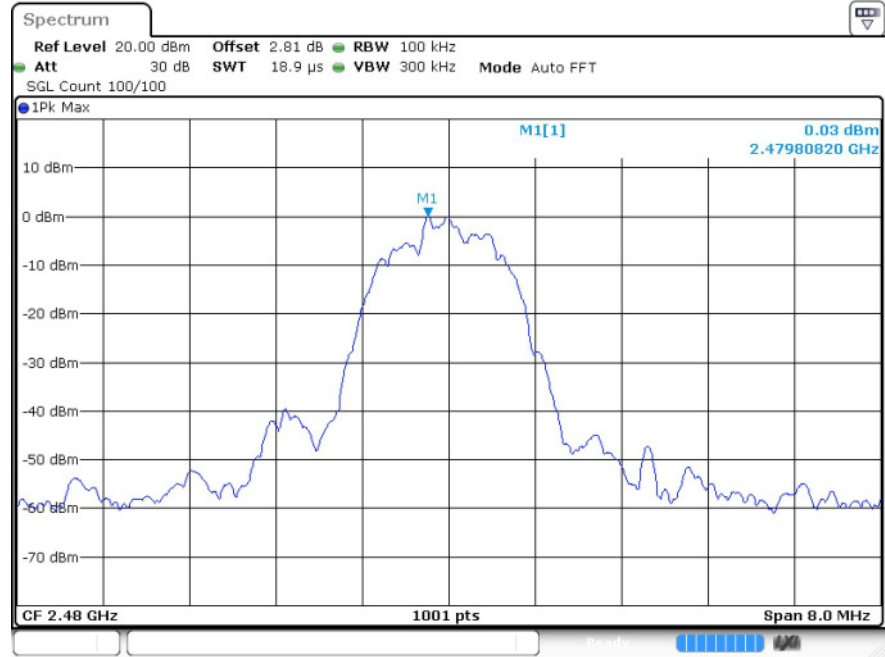
Ref



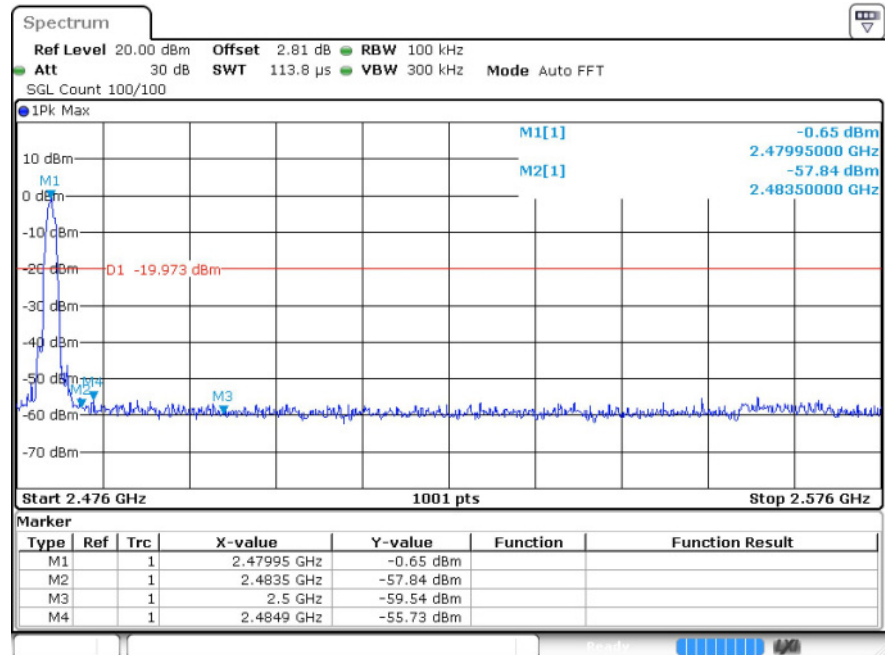
8DPSK/LCH/Hop



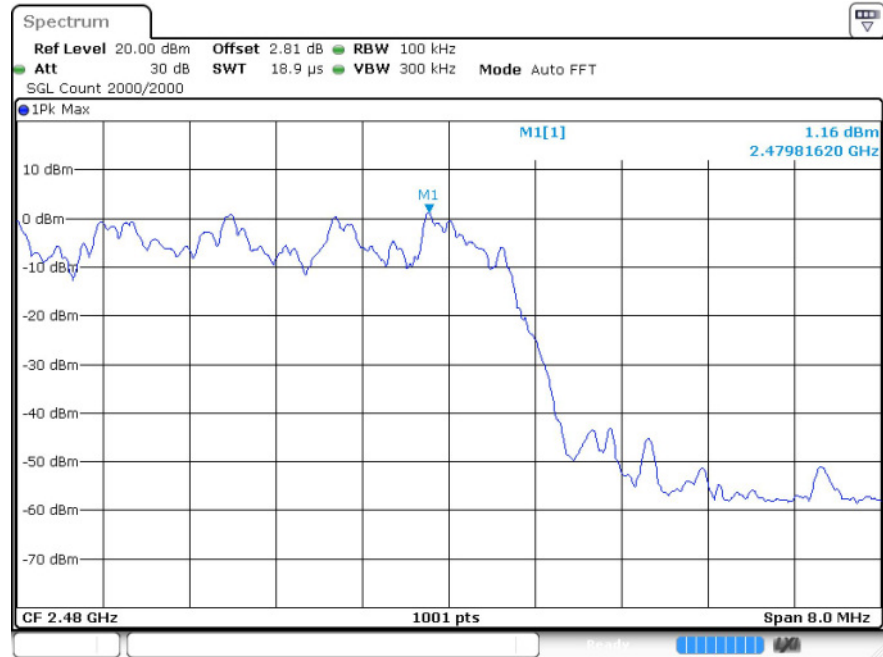
Ref



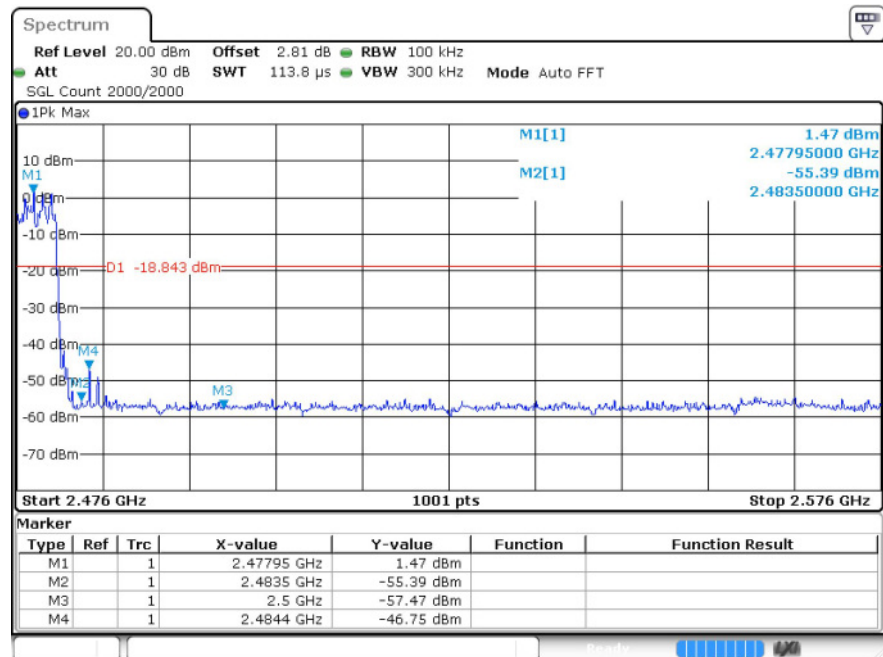
8DPSK/HCH/No Hop



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   | -50.12      | 2.78 | -           | 47.92      | PEAK     | 74             | Pass    |
|               | Off     | 2310.0   | -56.62      | 2.78 | 5.06        | 46.48      | AV       | 54             | Pass    |
|               | Off     | 2340.048 | -46.37      | 2.78 | -           | 51.67      | PEAK     | 74             | Pass    |
|               | Off     | 2338.128 | -54.83      | 2.78 | 5.06        | 48.27      | AV       | 54             | Pass    |
|               | Off     | 2390.0   | -49.45      | 2.78 | -           | 48.59      | PEAK     | 74             | Pass    |
|               | Off     | 2390.0   | -57.43      | 2.78 | 5.06        | 45.67      | AV       | 54             | Pass    |
|               | Off     | 2483.5   | -50.72      | 2.78 | -           | 47.32      | PEAK     | 74             | Pass    |
|               | Off     | 2483.5   | -56.51      | 2.78 | 4.95        | 46.48      | AV       | 54             | Pass    |
|               | Off     | 2497.288 | -48.86      | 2.78 | -           | 49.18      | PEAK     | 74             | Pass    |
|               | Off     | 2499.952 | -55.67      | 2.78 | 4.95        | 47.32      | AV       | 54             | Pass    |
|               | Off     | 2500.0   | -50.68      | 2.78 | -           | 47.36      | PEAK     | 74             | Pass    |
|               | Off     | 2500.0   | -55.67      | 2.78 | 4.95        | 47.32      | AV       | 54             | Pass    |
| $\pi/4$ DQPSK | Off     | 2310.0   | -48.52      | 2.78 | -           | 49.52      | PEAK     | 74             | Pass    |
|               | Off     | 2310.0   | -56.45      | 2.78 | 4.95        | 46.54      | AV       | 54             | Pass    |
|               | Off     | 2339.184 | -45.75      | 2.78 | -           | 52.29      | PEAK     | 74             | Pass    |
|               | Off     | 2338.704 | -54.81      | 2.78 | 4.95        | 48.18      | AV       | 54             | Pass    |
|               | Off     | 2390.0   | -49.3       | 2.78 | -           | 48.74      | PEAK     | 74             | Pass    |
|               | Off     | 2390.0   | -56.85      | 2.78 | 4.95        | 46.14      | AV       | 54             | Pass    |
|               | Off     | 2483.5   | -48.92      | 2.78 | -           | 49.12      | PEAK     | 74             | Pass    |
|               | Off     | 2483.5   | -55.75      | 2.78 | 4.95        | 47.24      | AV       | 54             | Pass    |
|               | Off     | 2487.352 | -43.5       | 2.78 | -           | 54.54      | PEAK     | 74             | Pass    |
|               | Off     | 2487.232 | -55.64      | 2.78 | 4.95        | 47.35      | AV       | 54             | Pass    |
|               | Off     | 2500.0   | -48.83      | 2.78 | -           | 49.21      | PEAK     | 74             | Pass    |
|               | Off     | 2500.0   | -57.52      | 2.78 | 4.95        | 45.47      | AV       | 54             | Pass    |
| 8DPSK         | Off     | 2310.0   | -50.71      | 2.78 | -           | 47.33      | PEAK     | 74             | Pass    |
|               | Off     | 2310.0   | -57.03      | 2.78 | 4.95        | 45.96      | AV       | 54             | Pass    |
|               | Off     | 2345.328 | -46.69      | 2.78 | -           | 51.35      | PEAK     | 74             | Pass    |
|               | Off     | 2338.224 | -54.67      | 2.78 | 4.95        | 48.32      | AV       | 54             | Pass    |

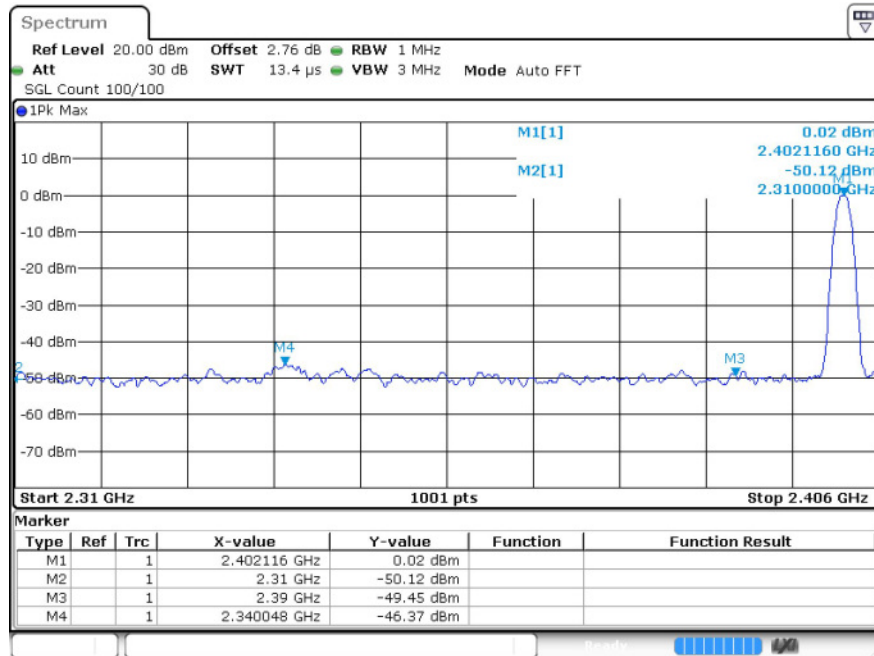


|     |          |        |      |      |       |      |    |      |
|-----|----------|--------|------|------|-------|------|----|------|
| Off | 2390.0   | -47.82 | 2.78 | -    | 50.22 | PEAK | 74 | Pass |
| Off | 2390.0   | -56.86 | 2.78 | 4.95 | 46.13 | AV   | 54 | Pass |
| Off | 2483.5   | -47.22 | 2.78 | -    | 50.82 | PEAK | 74 | Pass |
| Off | 2483.5   | -55.48 | 2.78 | 4.95 | 47.51 | AV   | 54 | Pass |
| Off | 2487.472 | -44.65 | 2.78 | -    | 53.39 | PEAK | 74 | Pass |
| Off | 2483.632 | -55.39 | 2.78 | 4.95 | 47.6  | AV   | 54 | Pass |
| Off | 2500.0   | -49.13 | 2.78 | -    | 48.91 | PEAK | 74 | Pass |
| Off | 2500.0   | -56.51 | 2.78 | 4.95 | 46.48 | AV   | 54 | Pass |

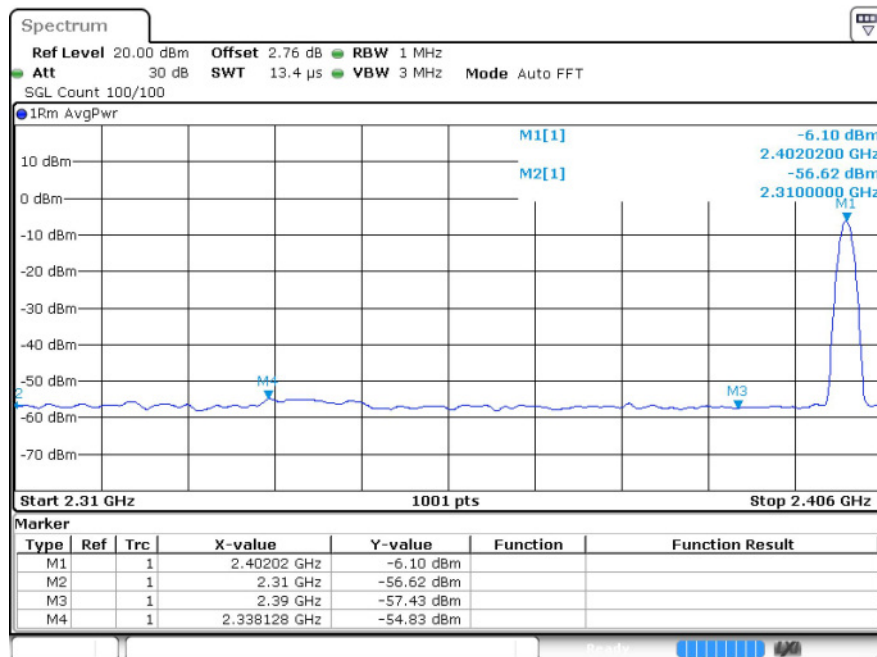
Note: Both the left and right earphones have been tested. The left earphone is the worst mode, only reflecting the worst mode.

## 9.2 Test Graphs

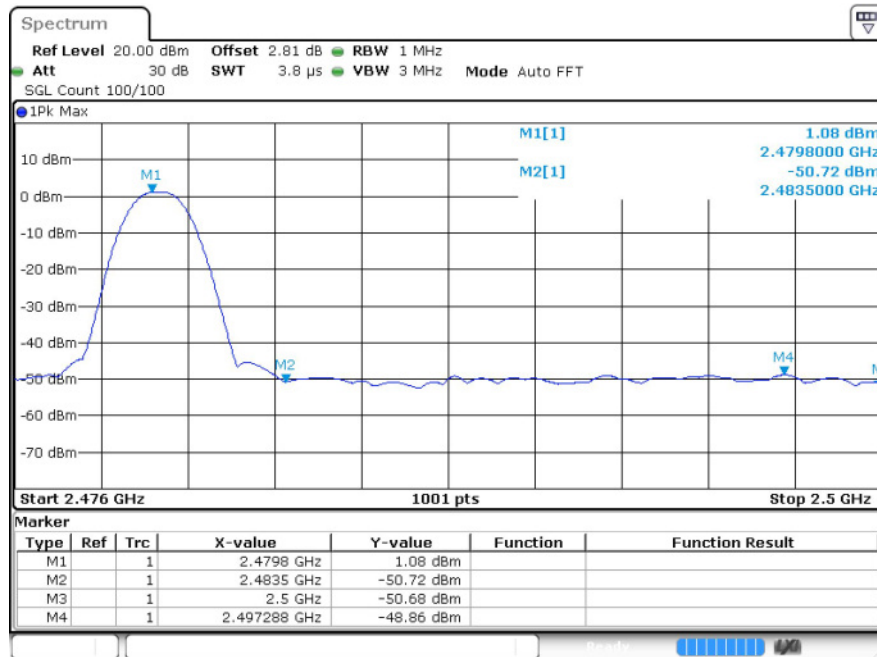
Restrict-band band-edge measurements\_Hopping Off\_ GFSK\_PEAK (Low Channel)



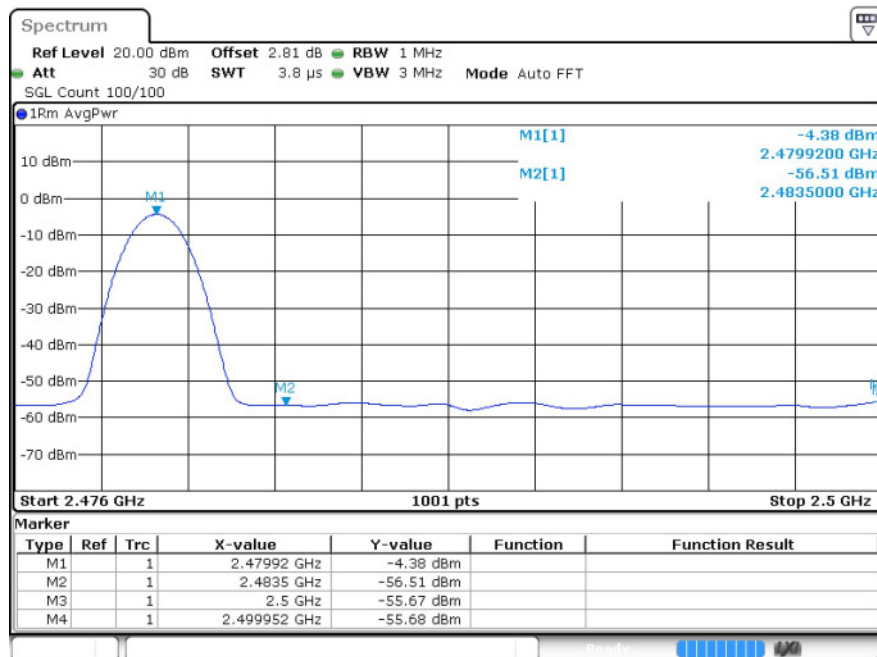
Restrict-band band-edge measurements\_Hopping Off\_ GFSK\_Average (Low Channel)



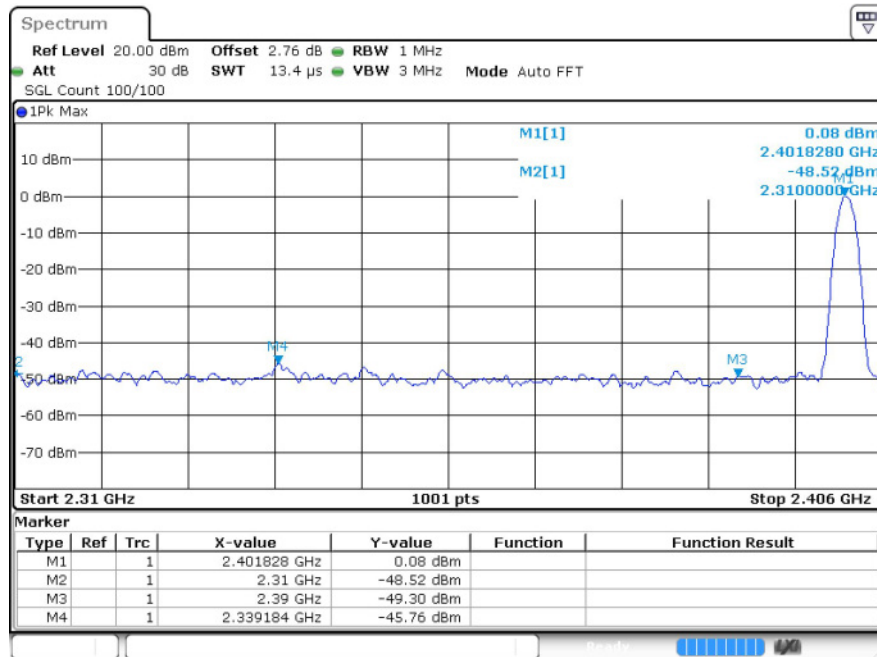
## Restrict-band band-edge measurements\_Hopping Off\_ GFSK\_PEAK (High Channel)



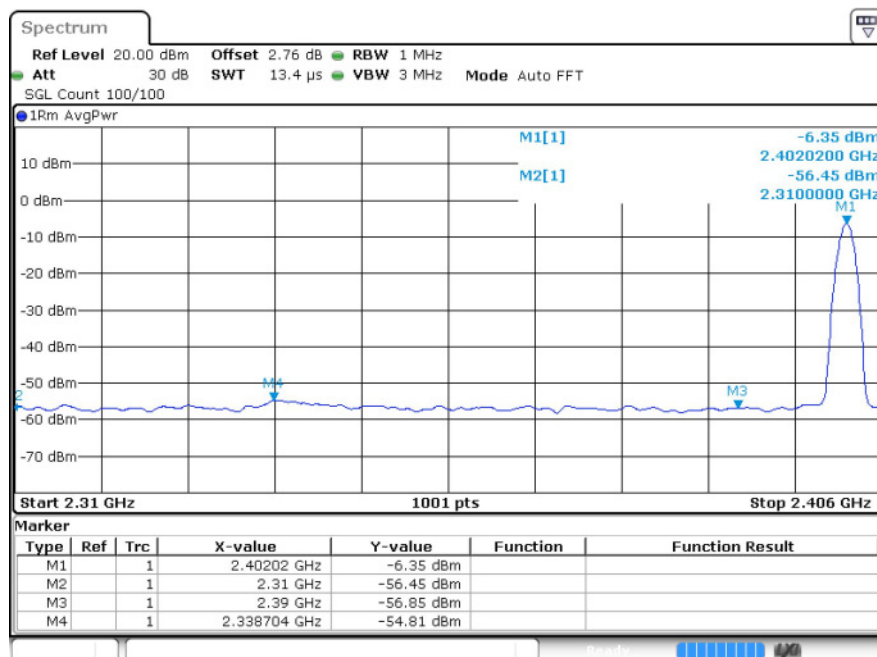
## Restrict-band band-edge measurements\_Hopping Off\_ GFSK\_Average (High Channel)



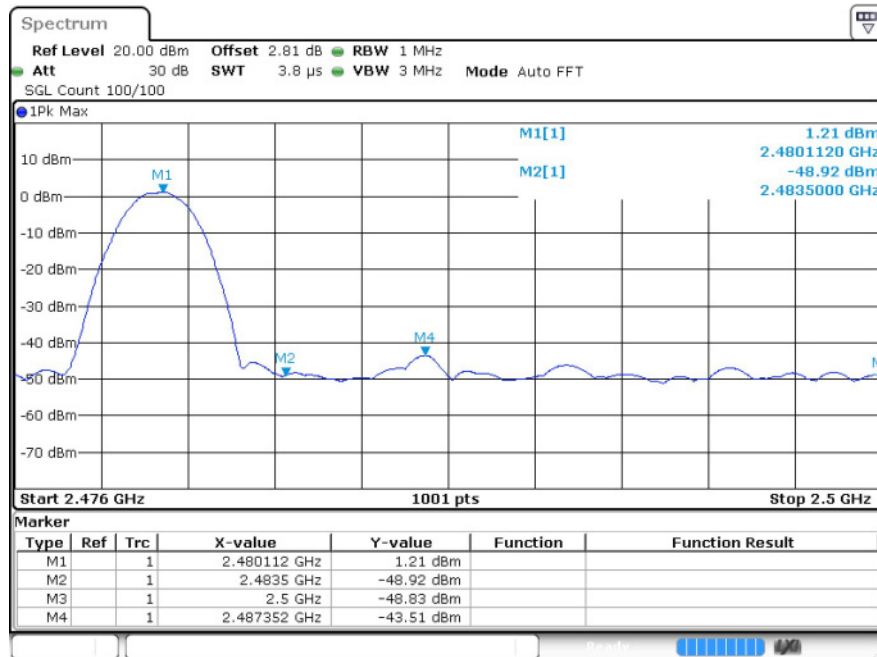
## Restrict-band band-edge measurements\_Hopping Off\_π/4-DQPSK\_PEAK (Low Channel)



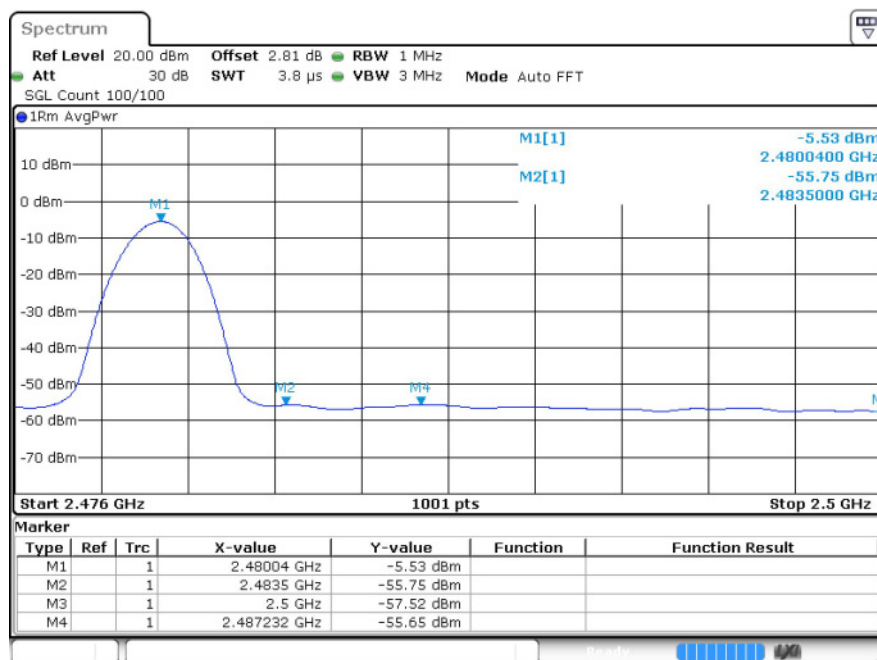
## Restrict-band band-edge measurements\_Hopping Off\_π/4-DQPSK\_Average (Low Channel)



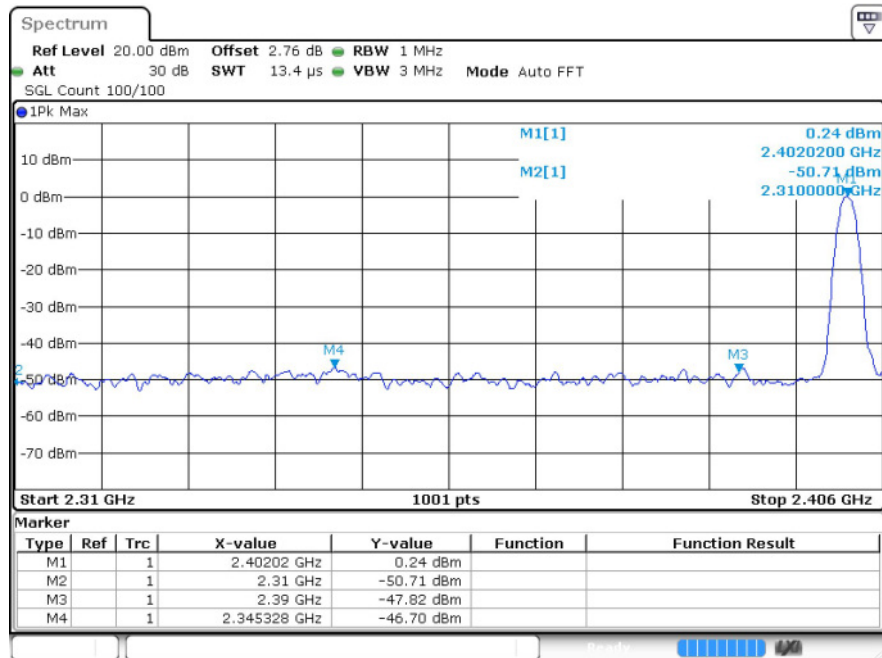
### Restrict-band band-edge measurements\_Hopping Off\_π/4-DQPSK\_PEAK (High Channel)



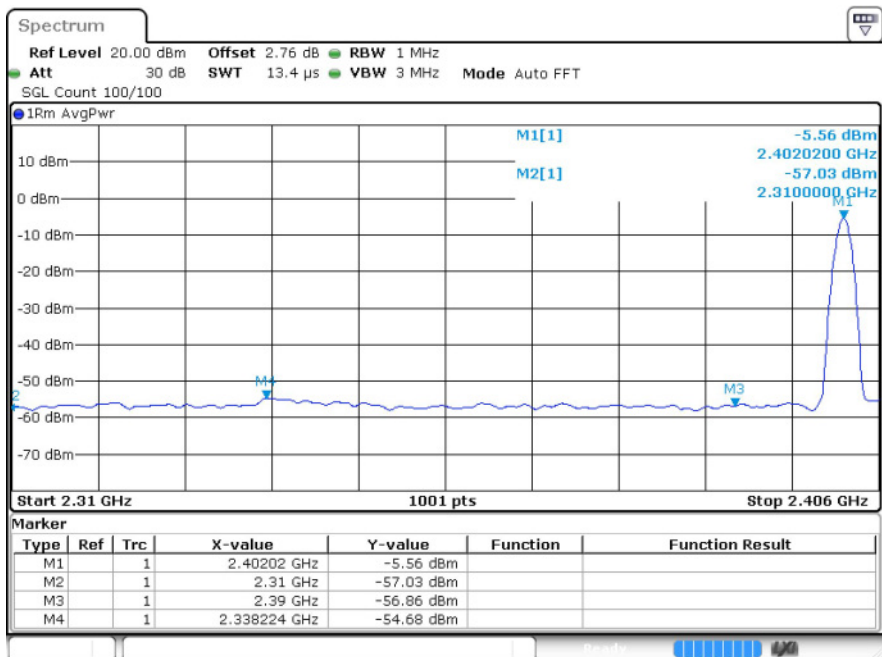
### Restrict-band band-edge measurements\_Hopping Off\_π/4-DQPSK\_Average (High Channel)



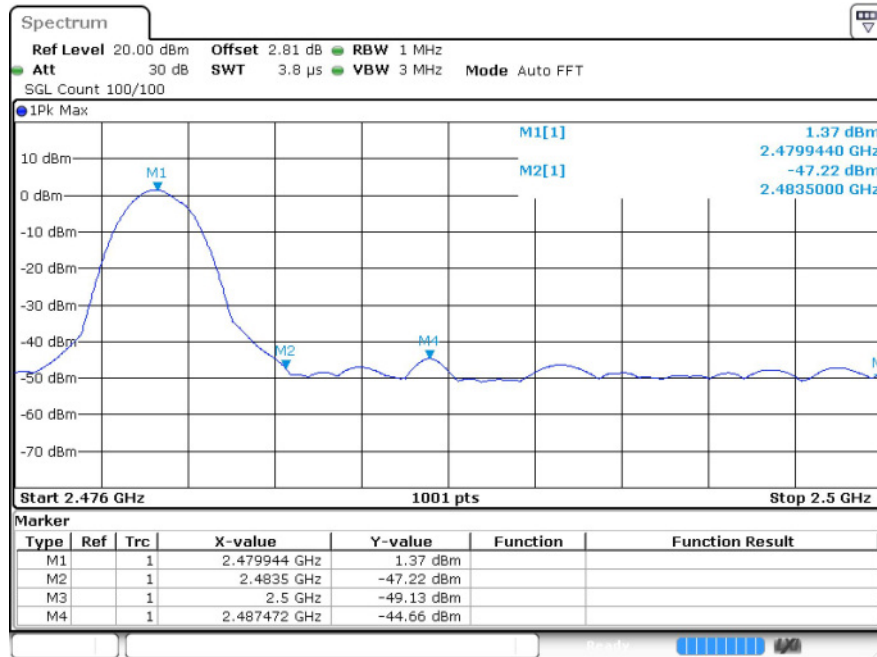
## Restrict-band band-edge measurements\_Hopping Off\_8DPSK\_PEAK (Low Channel)



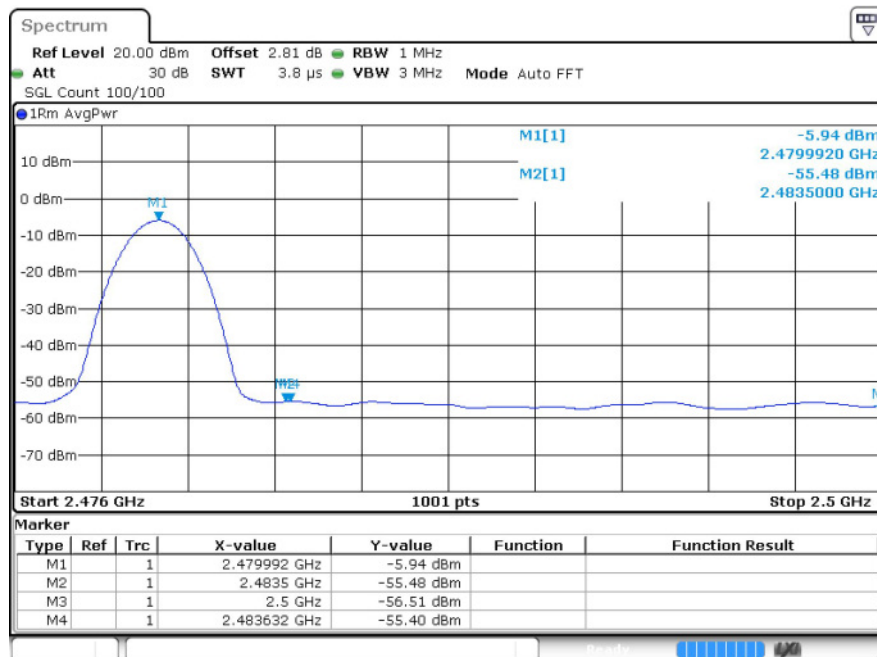
## Restrict-band band-edge measurements\_Hopping Off\_8DPSK\_Average (Low Channel)



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



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



---The End---