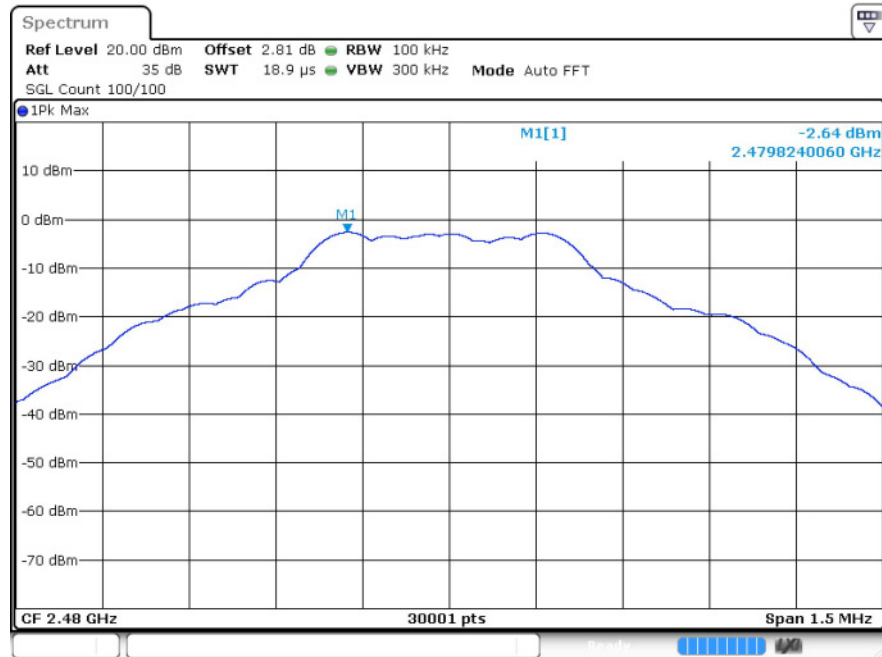
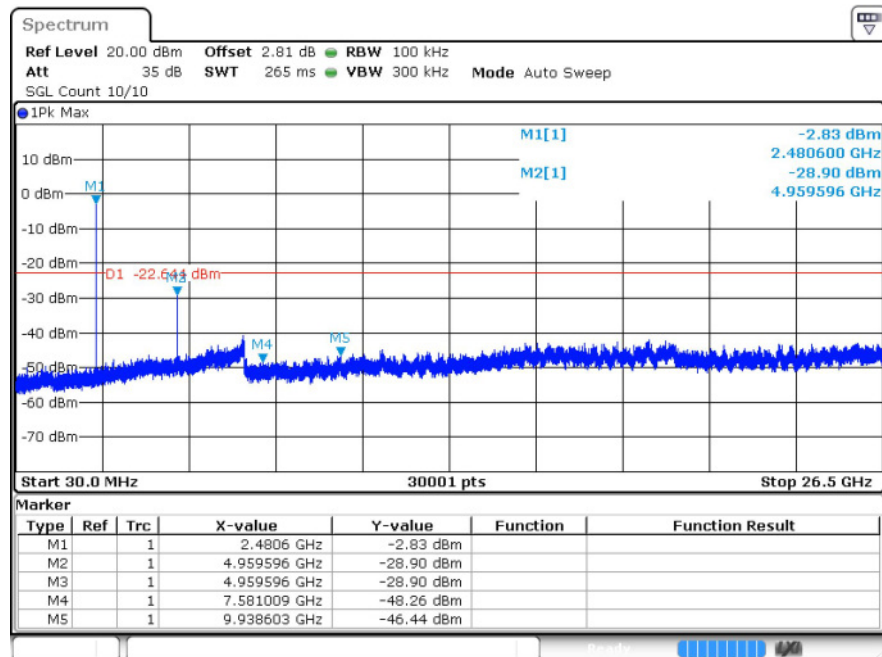


## GFSK\_HCH\_Graphs

Pref

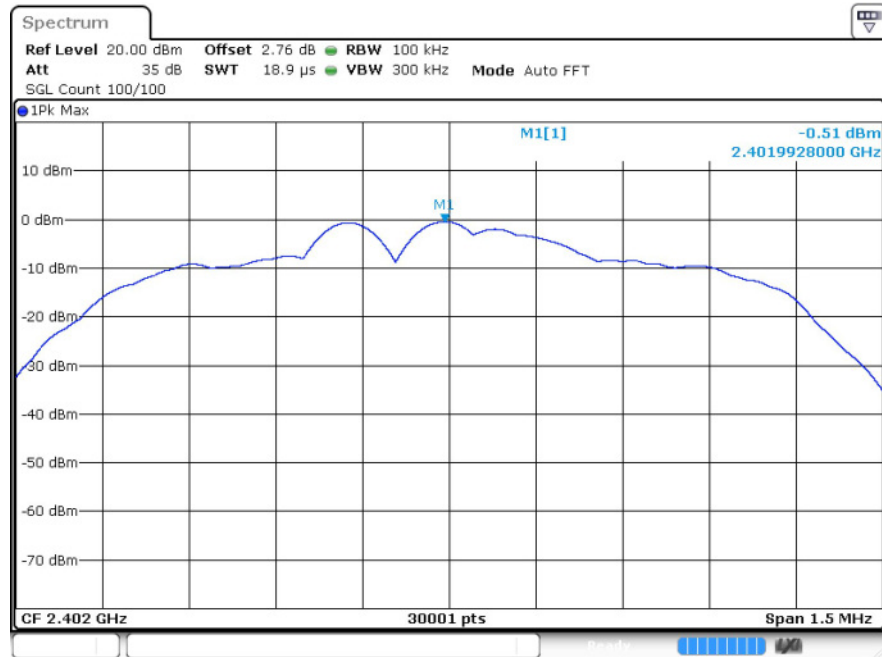


Puw

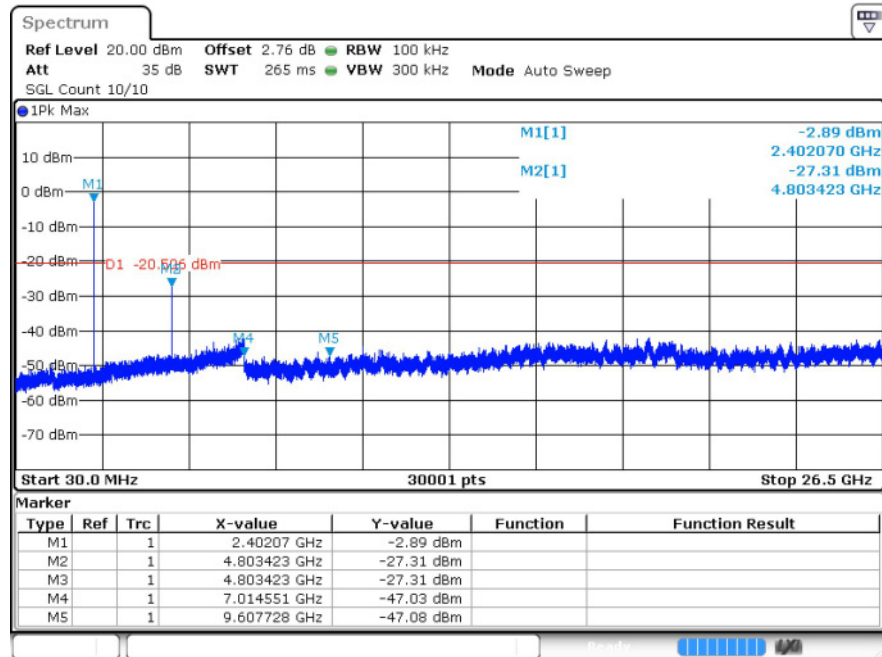


# $\pi/4$ DQPSK\_LCH\_Graphs

Pref

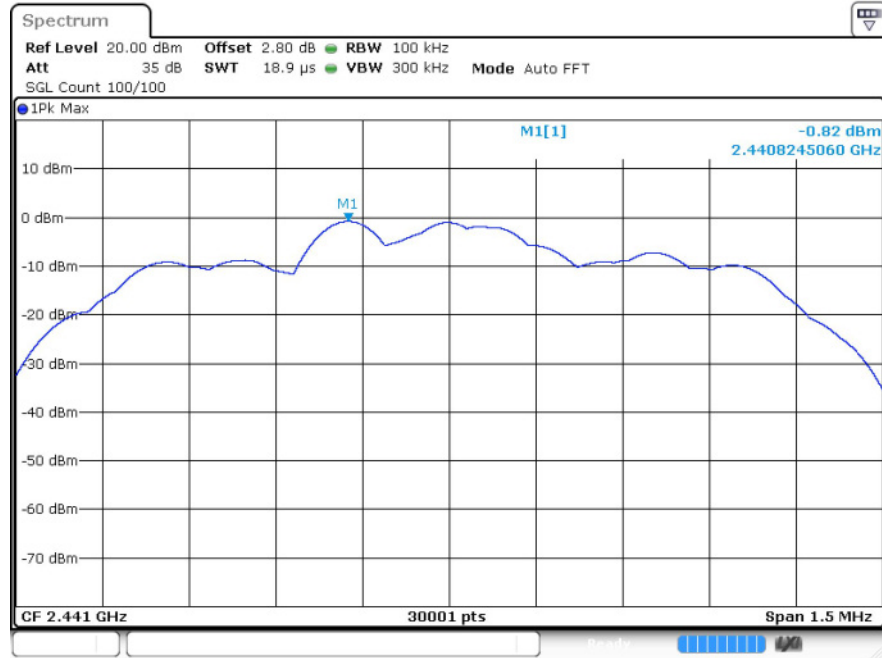


Puw

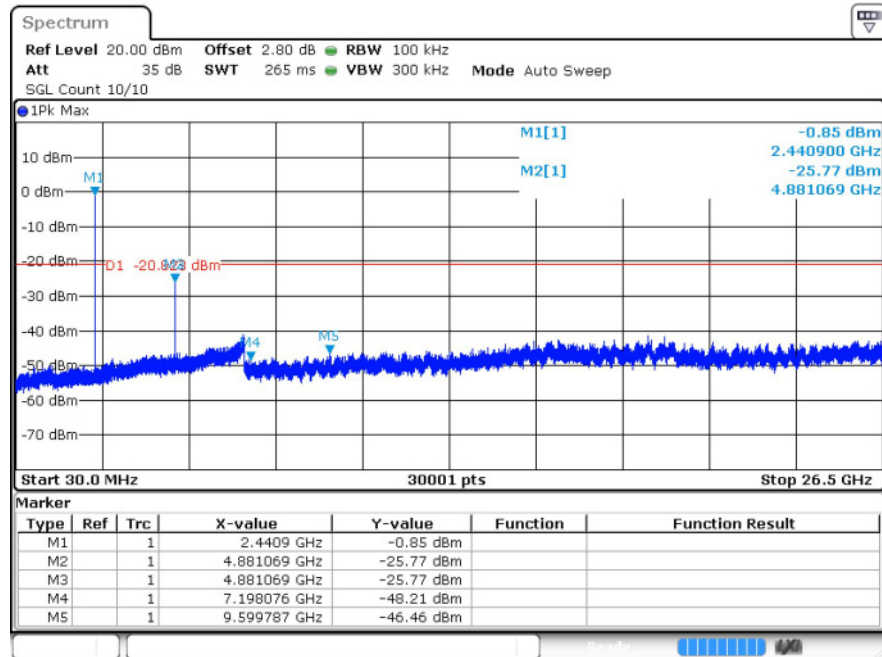


# $\pi$ /4DQPSK\_MCH\_Graphs

Pref

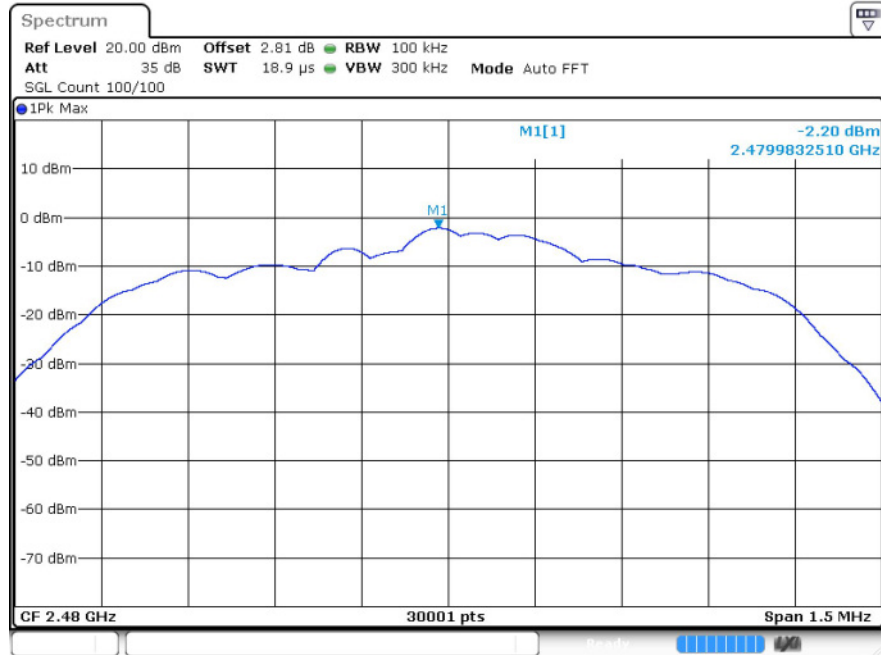


Puw

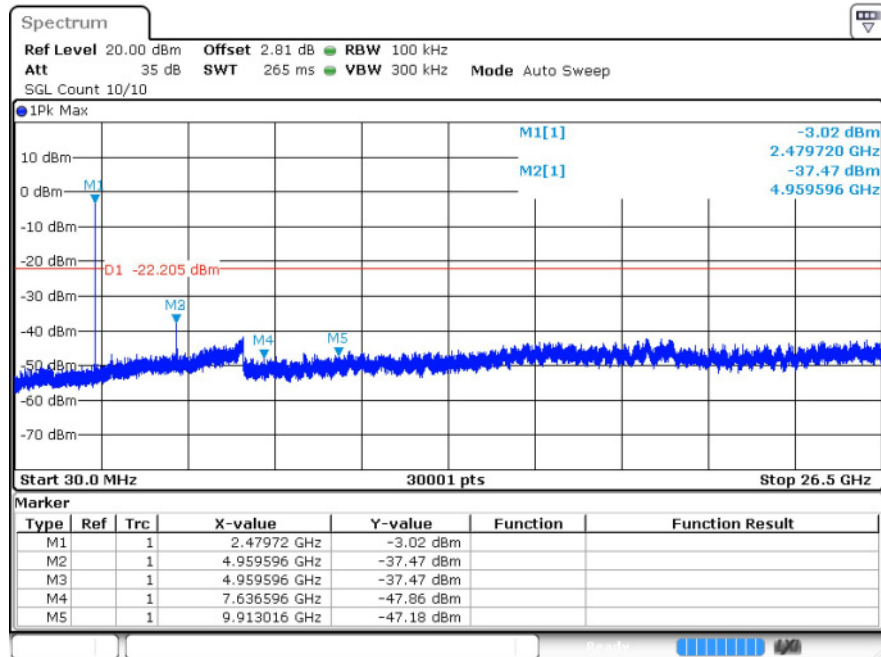


### $\pi/4$ DQPSK\_HCH\_Graphs

Pref

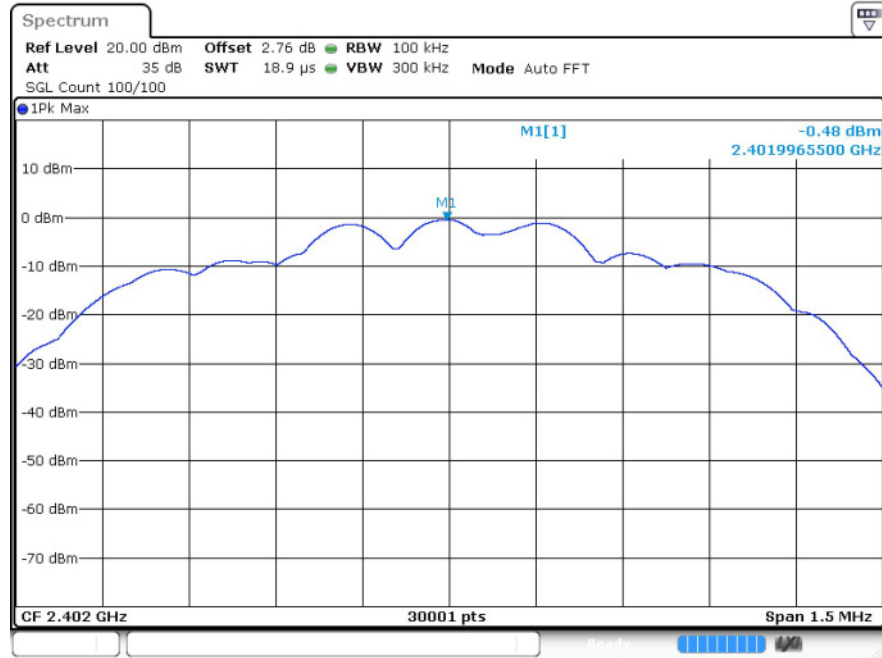


Puw

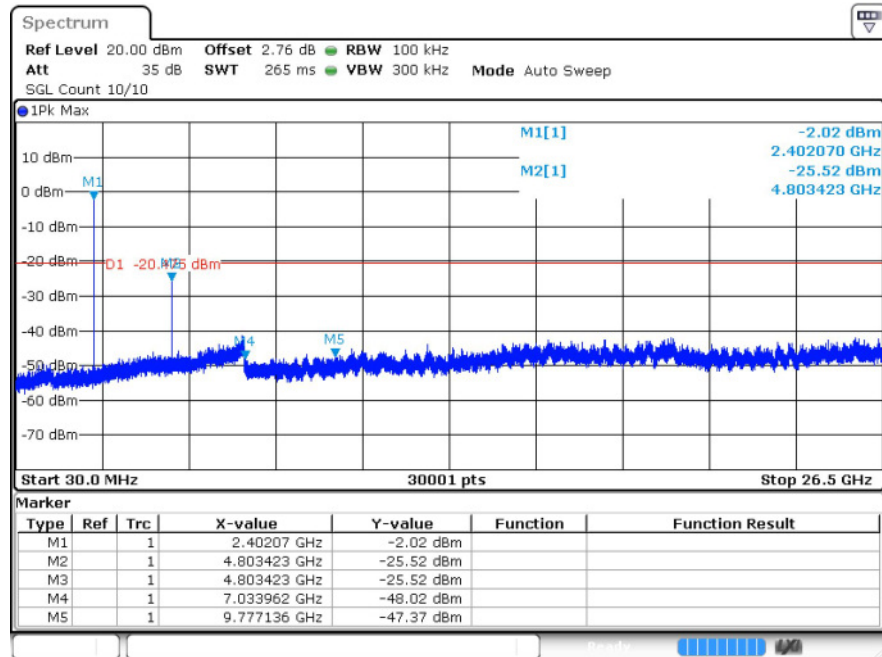


## 8DPSK\_LCH\_Graphs

Pref

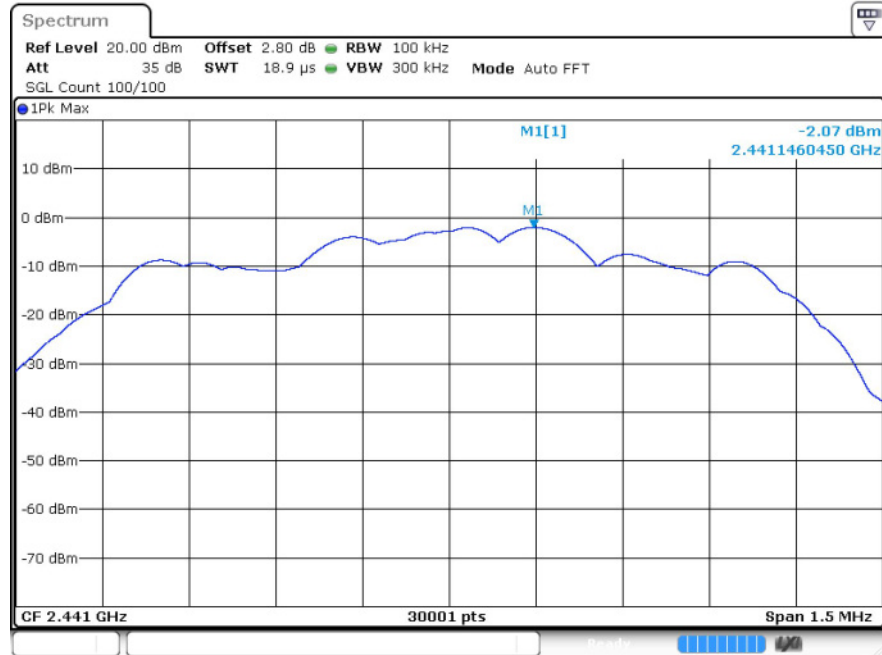


Puw

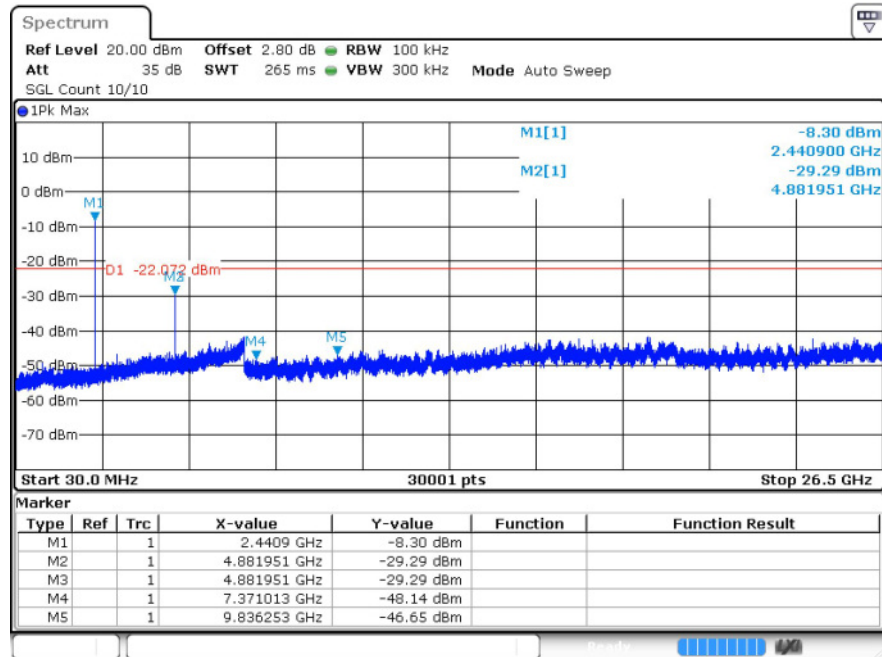


## 8DPSK\_MCH\_Graphs

Pref

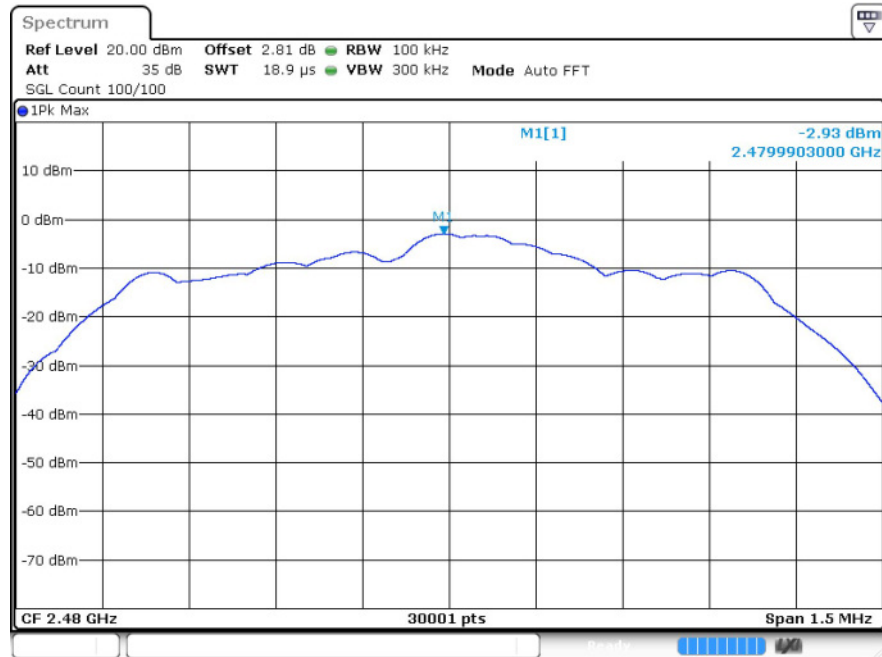


Puw

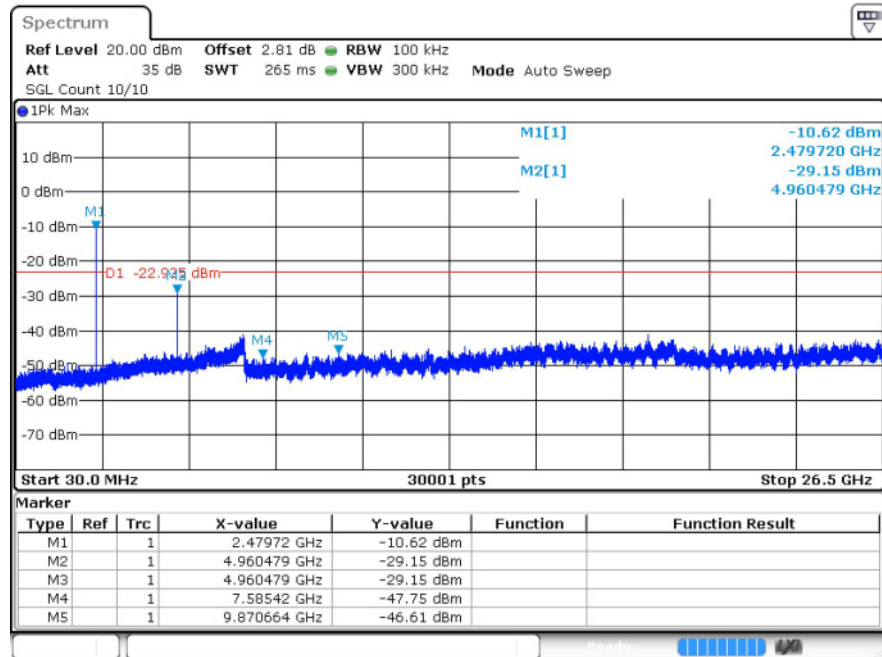


## 8DPSK\_HCH\_Graphs

Pref



Puw



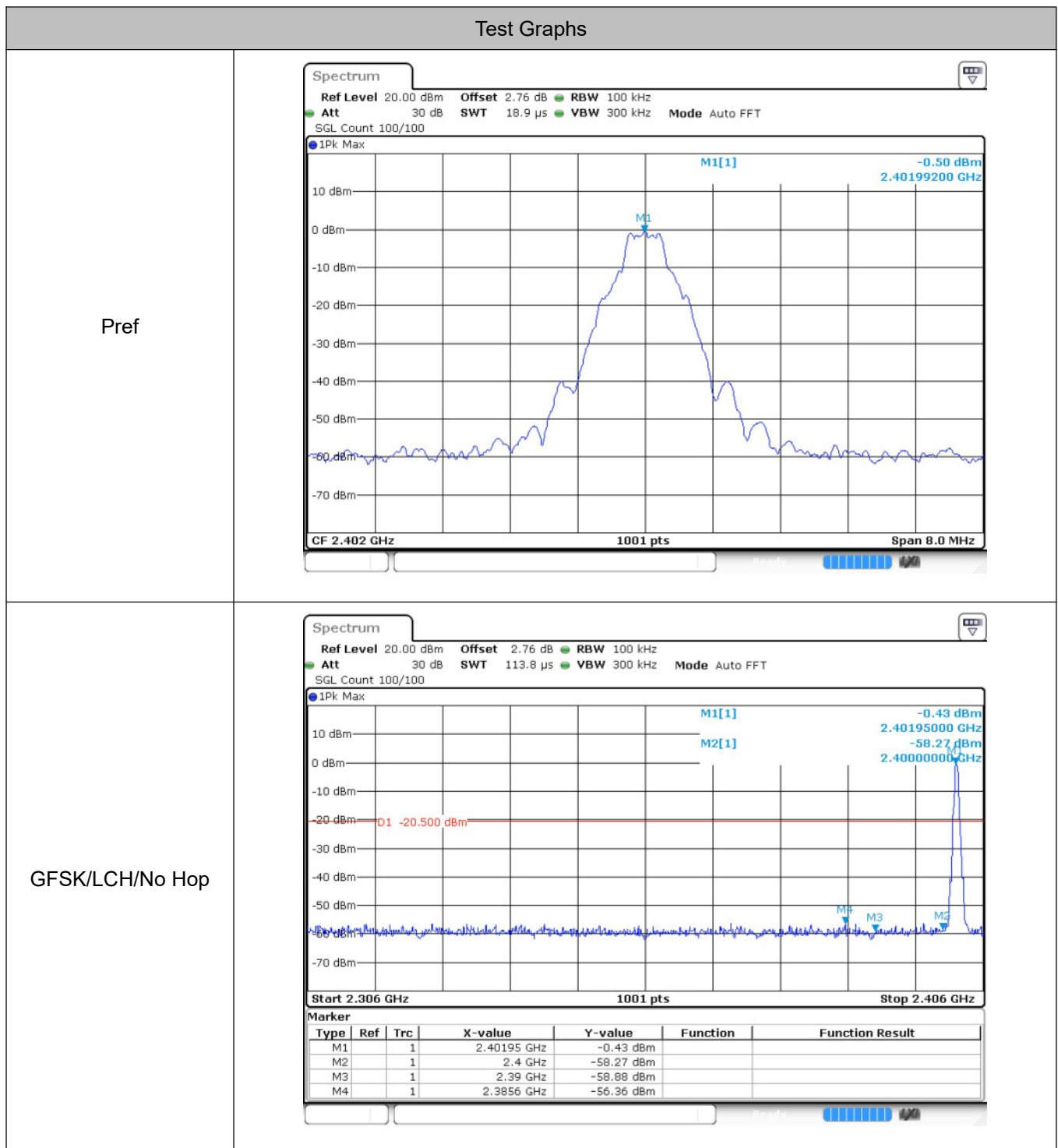
## 8 Band-edge for RF Conducted Emissions

### 8.1 Test Result

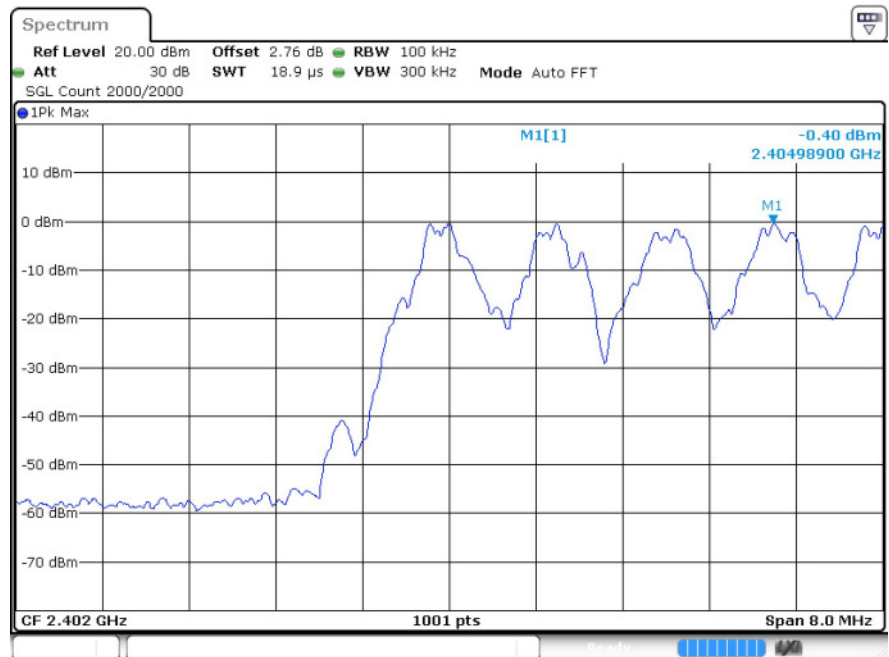
| Mode          | Channel | Carrier Frequency [MHz] | Frequency Hopping | Max Spurious Level [dBc] | Limit [dBc] | Verdict |
|---------------|---------|-------------------------|-------------------|--------------------------|-------------|---------|
| GFSK          | LCH     | 2402                    | Off               | -55.86                   | -20         | Pass    |
|               |         |                         | On                | -53.86                   | -20         | Pass    |
|               | HCH     | 2480                    | Off               | -53.23                   | -20         | Pass    |
|               |         |                         | On                | -52.4                    | -20         | Pass    |
| $\pi/4$ DQPSK | LCH     | 2402                    | Off               | -55.24                   | -20         | Pass    |
|               |         |                         | On                | -53.87                   | -20         | Pass    |
|               | HCH     | 2480                    | Off               | -54.5                    | -20         | Pass    |
|               |         |                         | On                | -52.45                   | -20         | Pass    |
| 8DPSK         | LCH     | 2402                    | Off               | -55.96                   | -20         | Pass    |
|               |         |                         | On                | -54.75                   | -20         | Pass    |
|               | HCH     | 2480                    | Off               | -53.78                   | -20         | Pass    |
|               |         |                         | On                | -52.12                   | -20         | Pass    |

Note: Left and Right ears have been tested. The data from the Left ear is the worst, only showing the worst case mode.

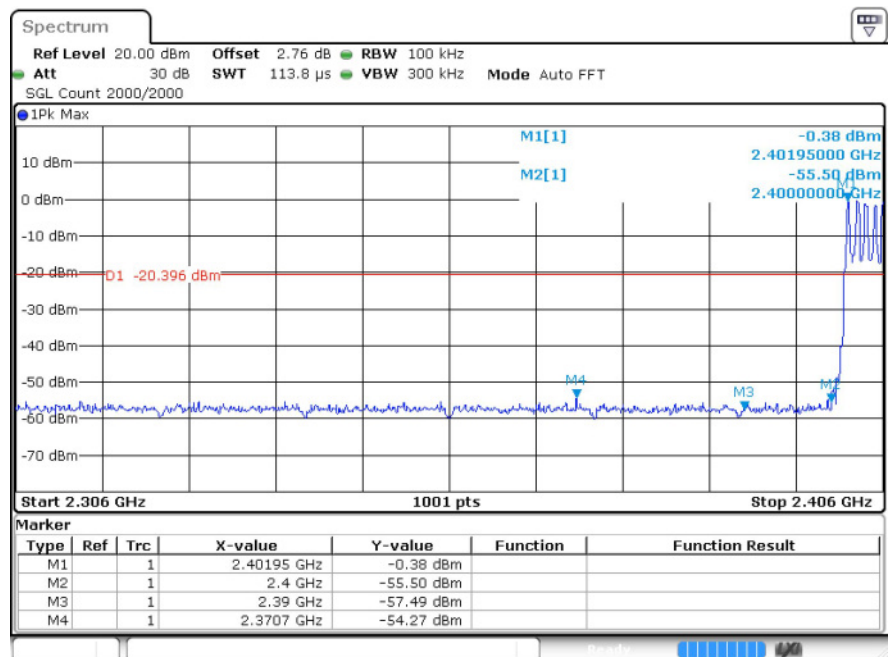
## 8.2 Test Graphs



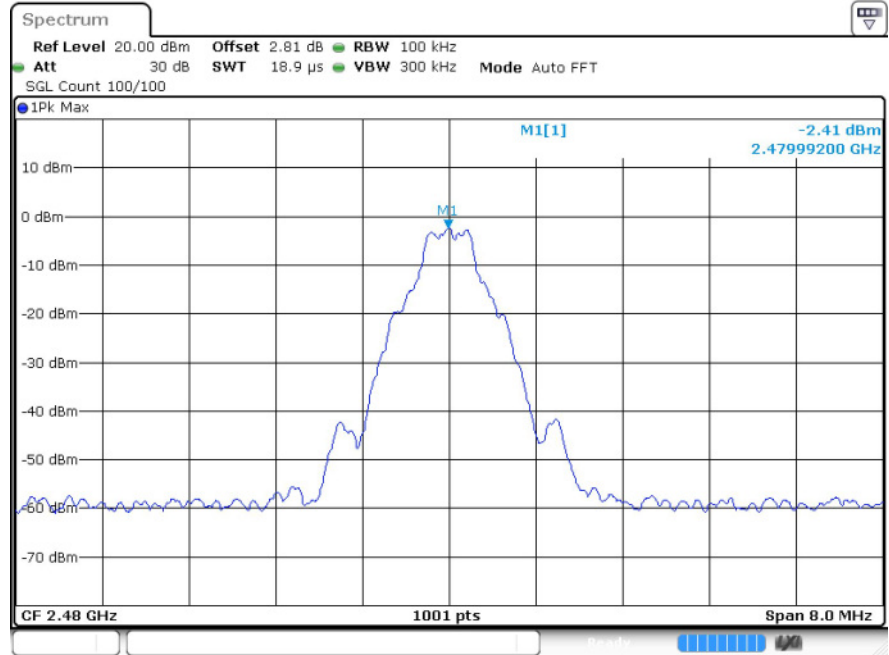
Ref



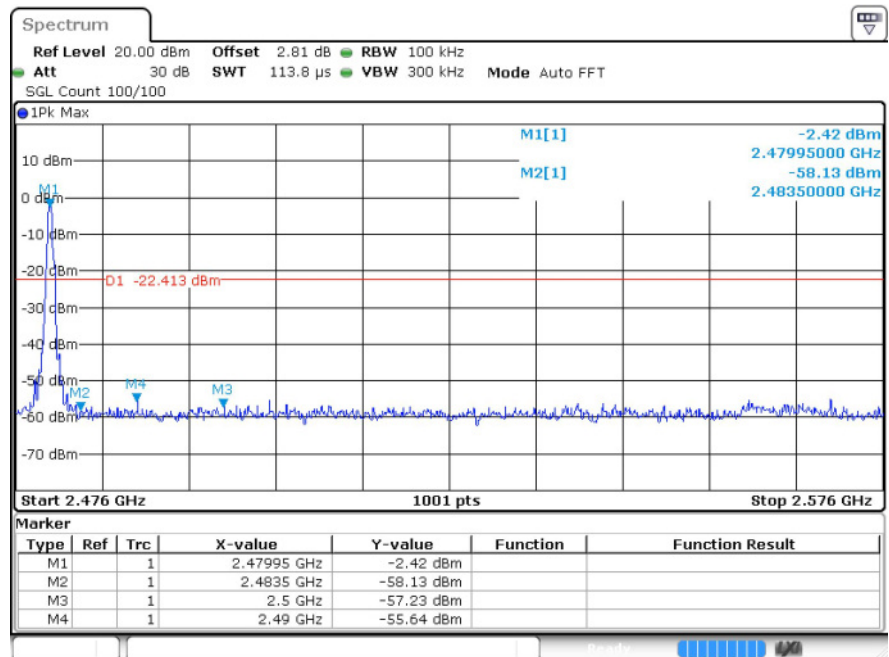
GFSK/LCH/Hop



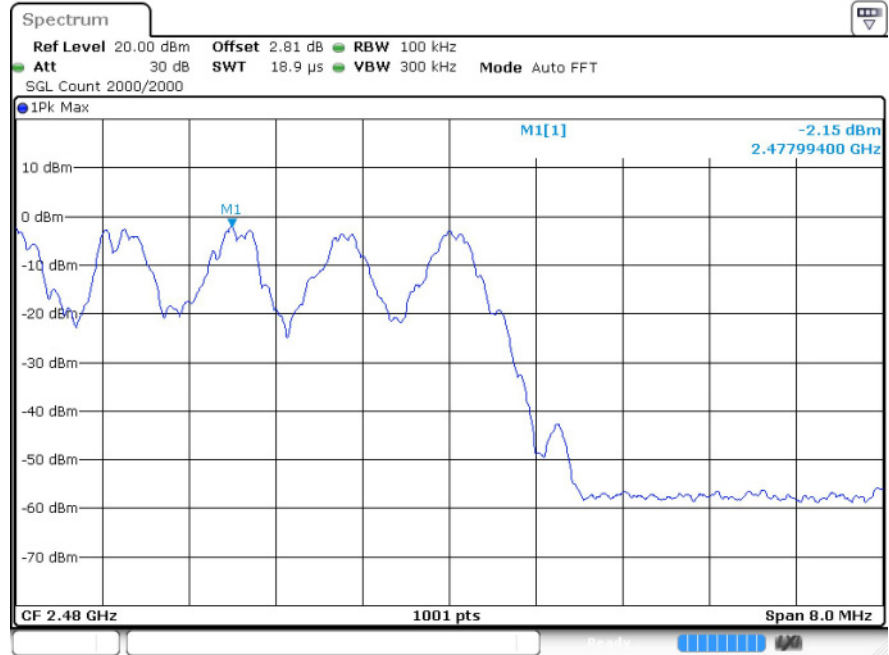
Ref



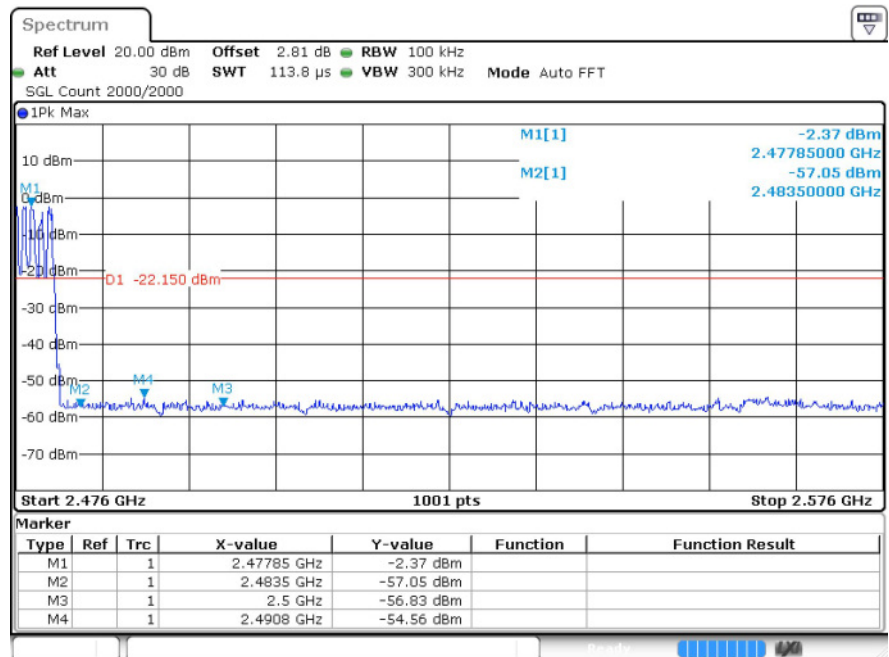
GFSK/HCH/No Hop



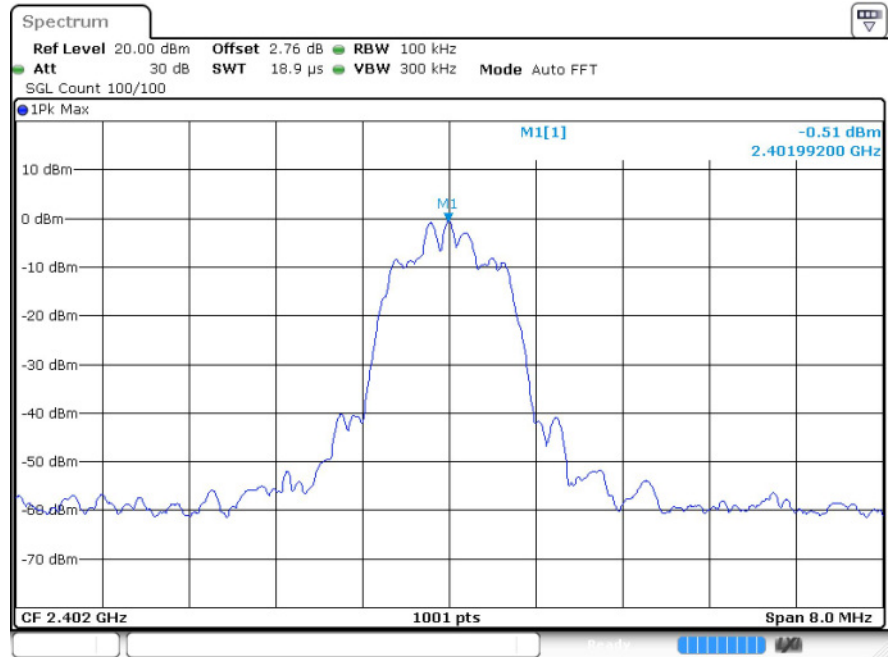
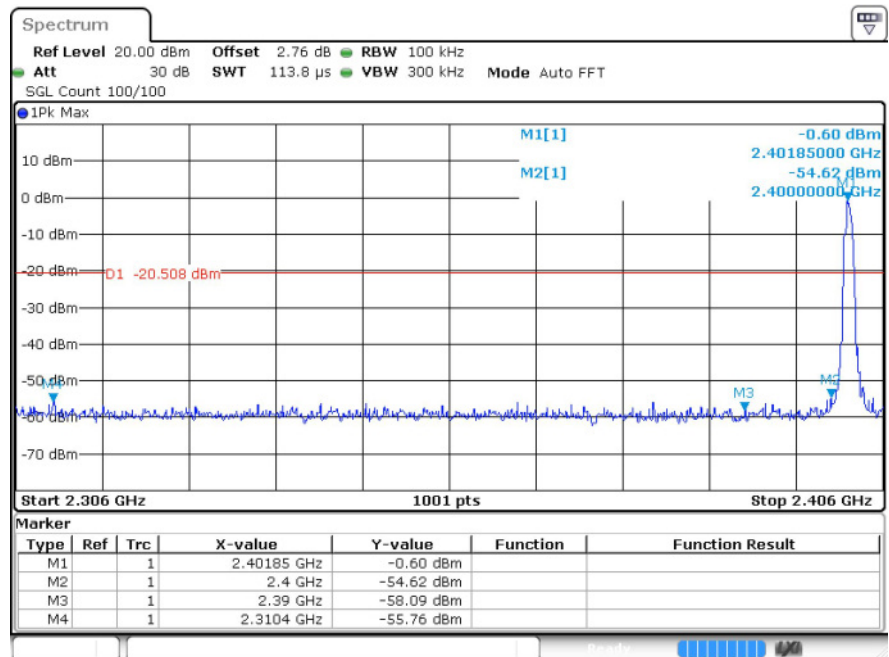
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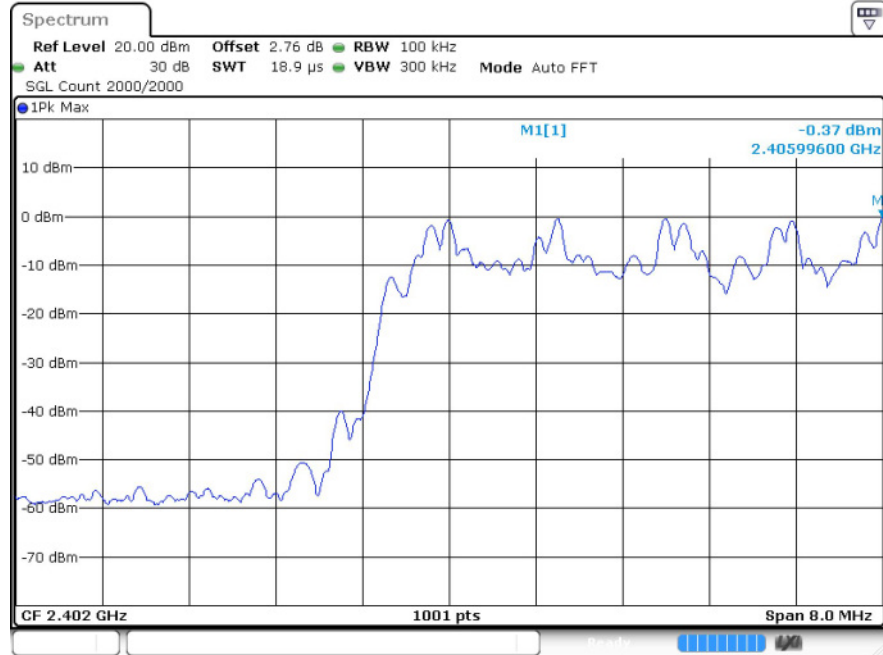
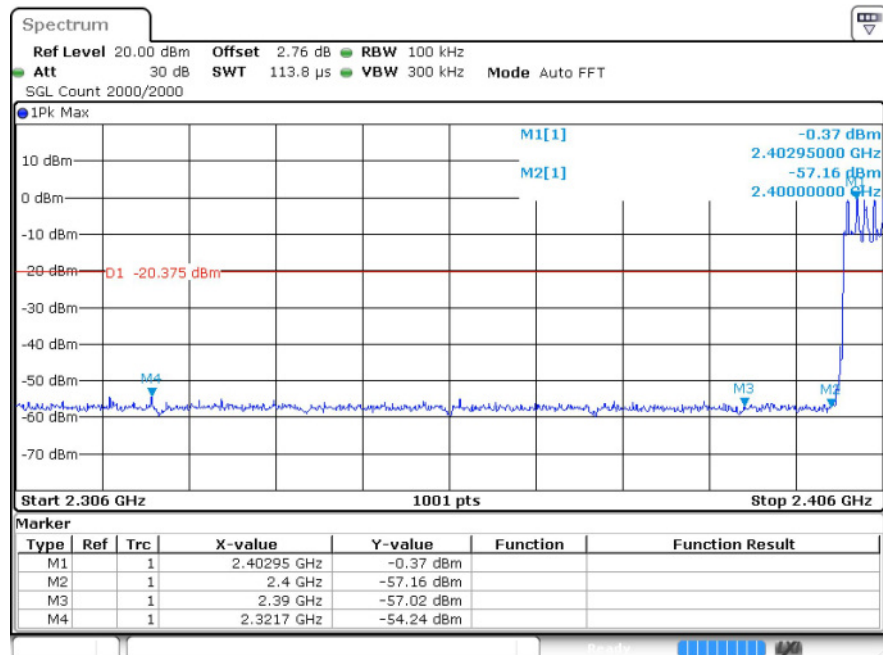
GFSK/HCH/Hop



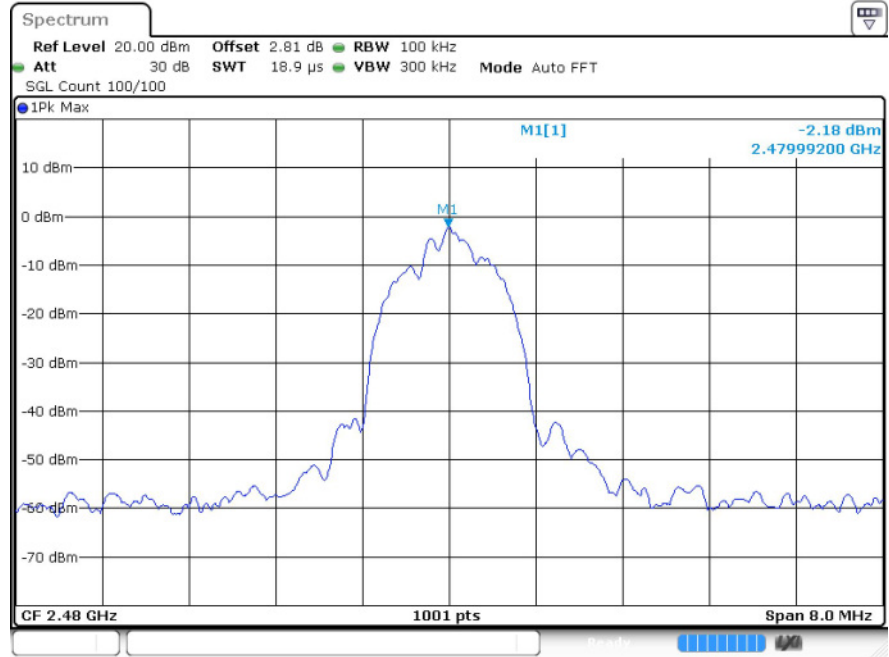
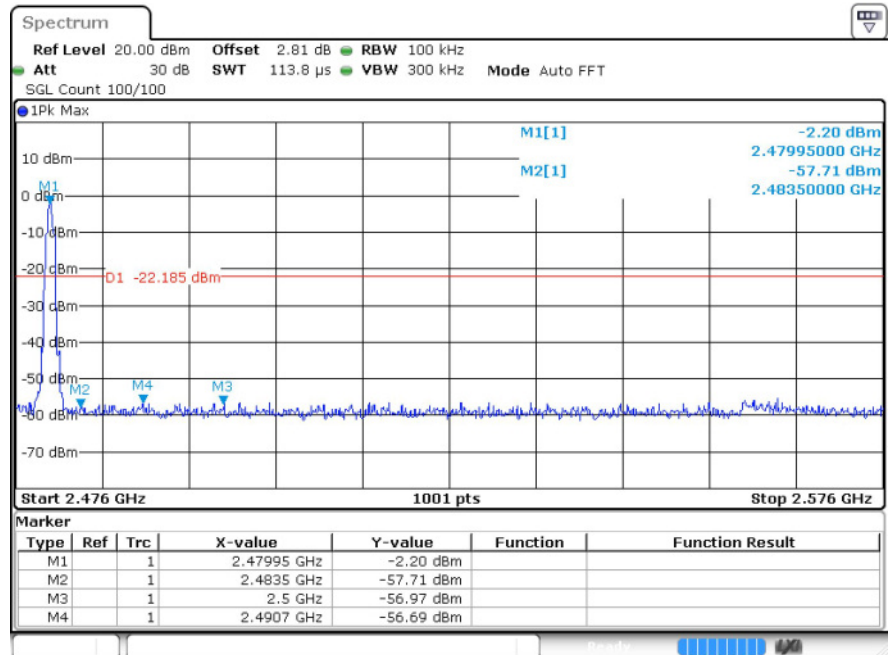
Ref


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


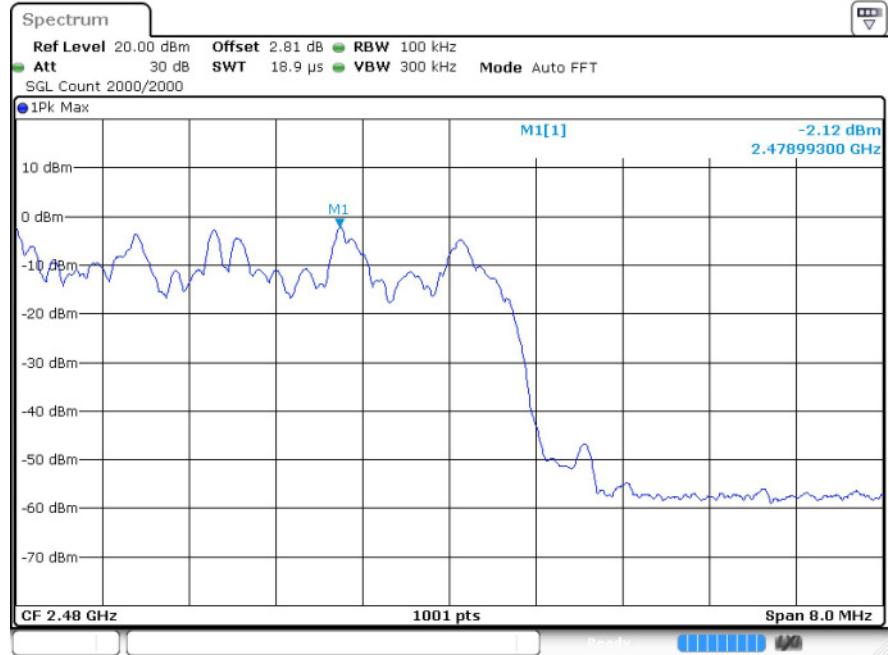
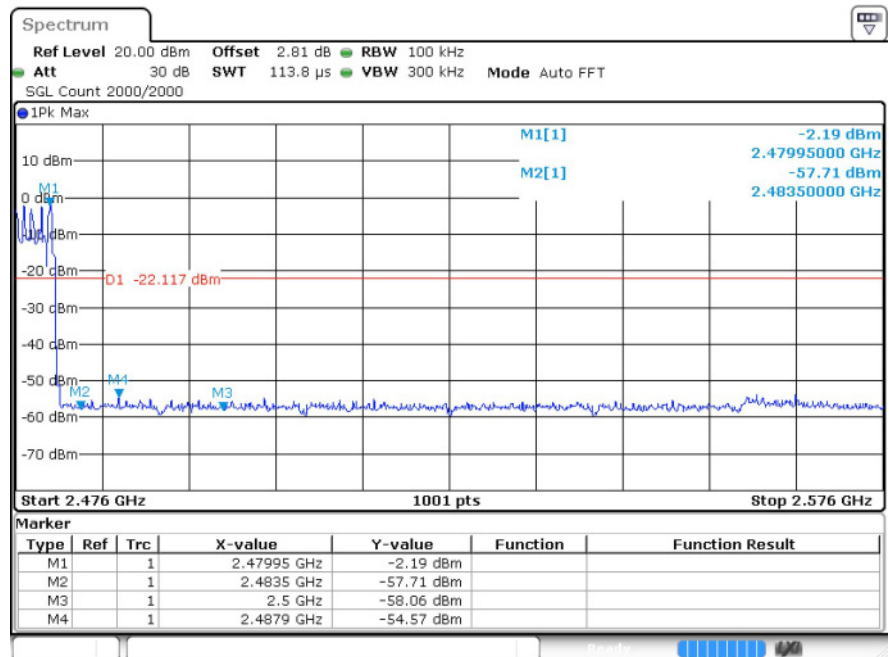
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 $\pi/4$ DQPSK/LCH/Hop


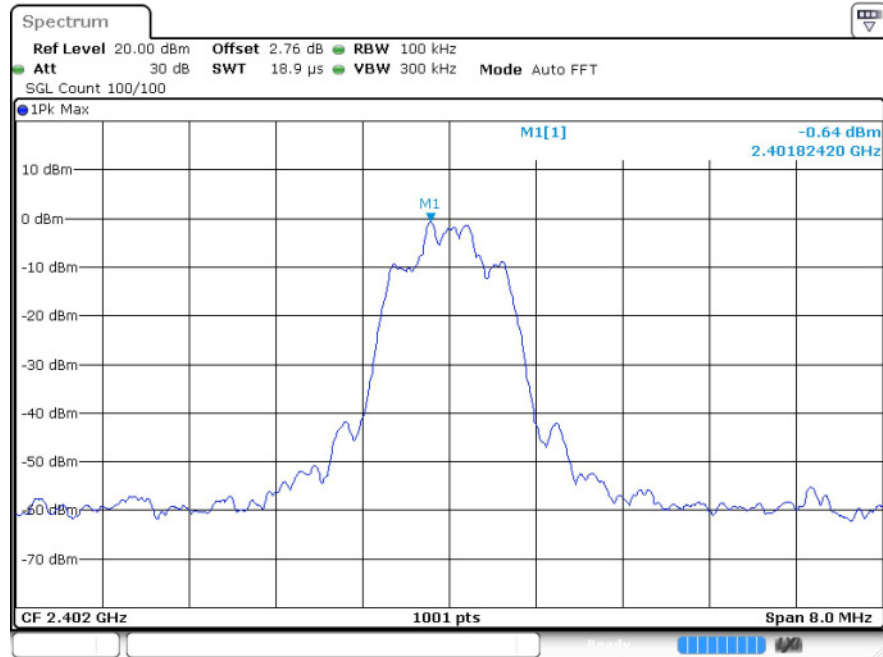
Ref


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


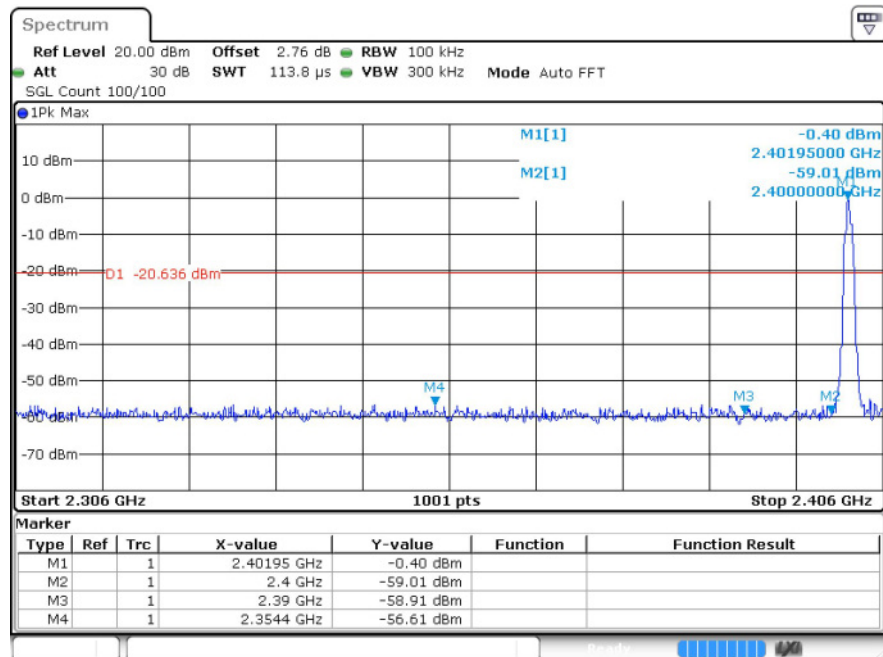
Ref


 $\pi/4$ DQPSK/HCH/Hop


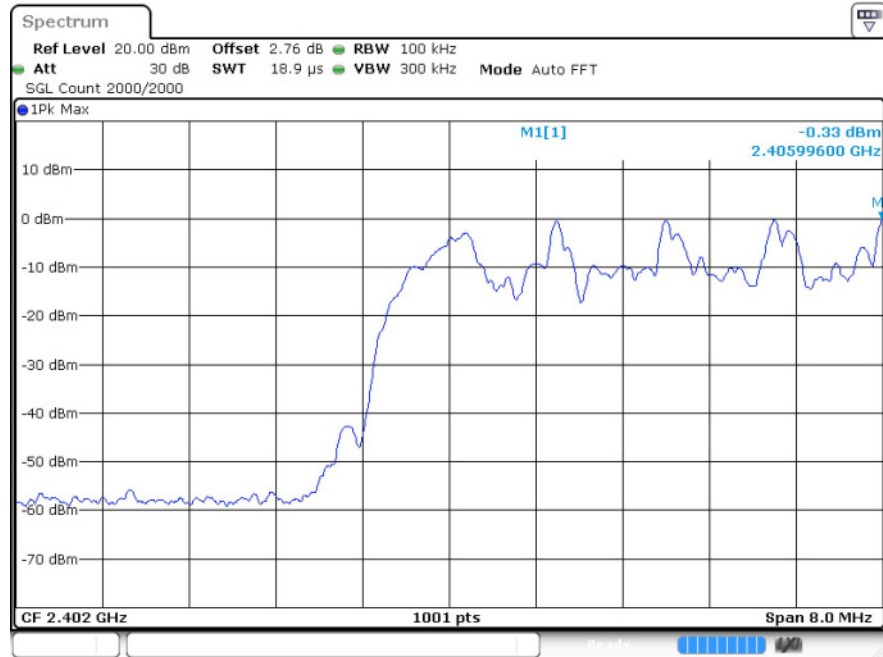
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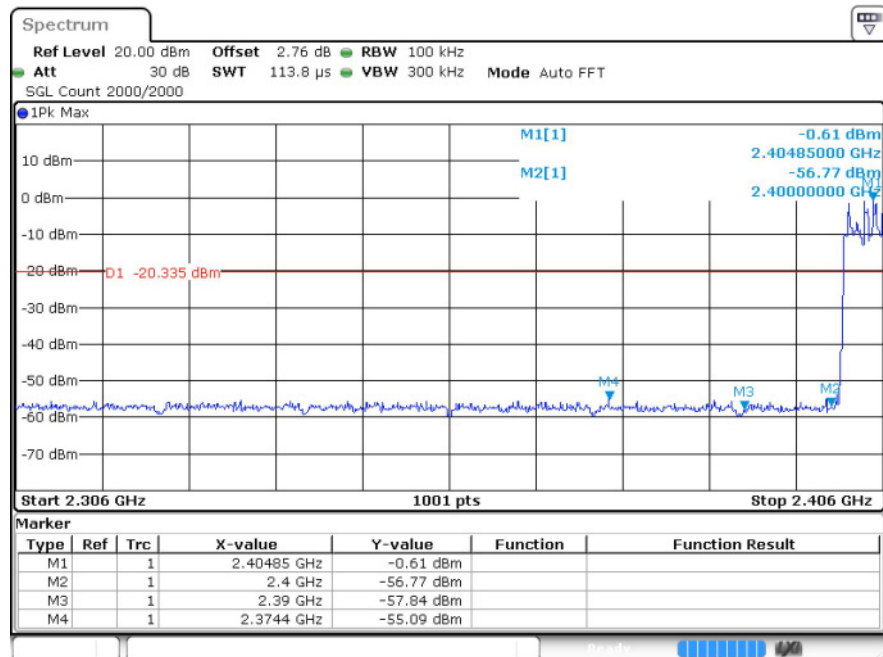
8DPSK/LCH/No Hop



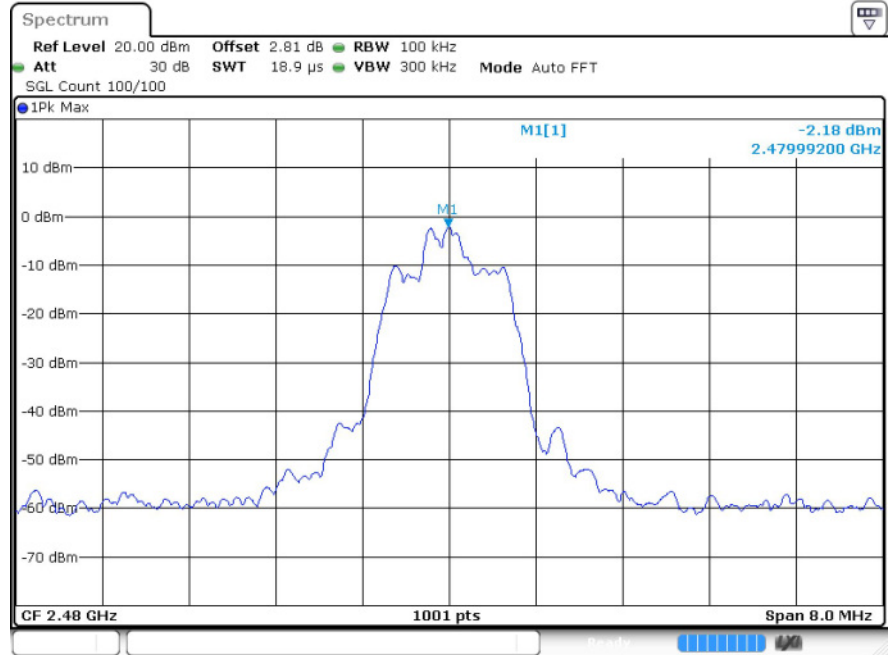
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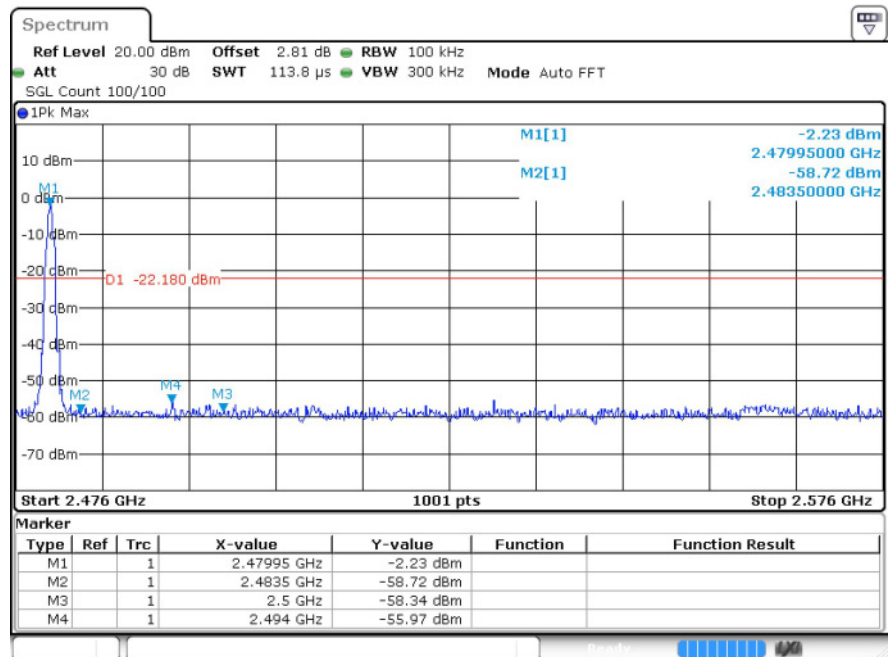
8DPSK/LCH/Hop



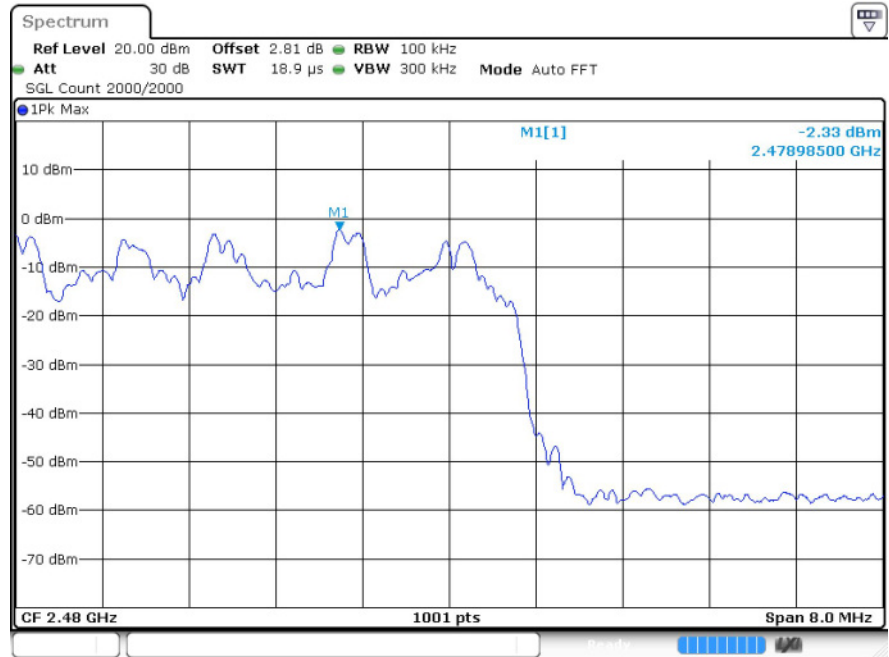
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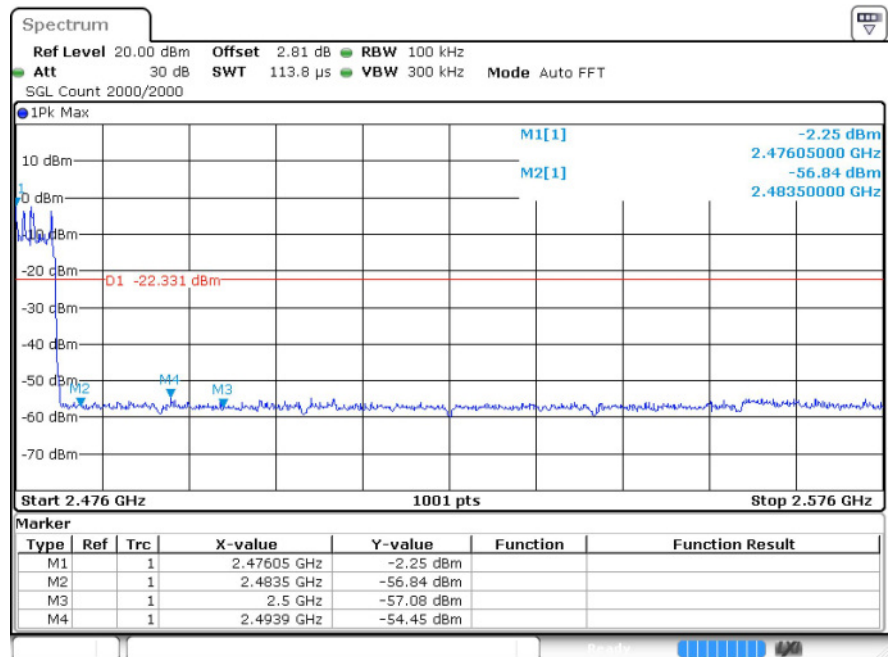
8DPSK/HCH/No Hop



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   | -50.4       | 2.48 | -           | 47.34      | PEAK     | 74             | Pass    |
|               | Off     | 2310.0   | -56.78      | 2.48 | 4.74        | 45.7       | AV       | 54             | Pass    |
|               | Off     | 2364.144 | -46.45      | 2.48 | -           | 51.29      | PEAK     | 74             | Pass    |
|               | Off     | 2340.816 | -54.64      | 2.48 | 4.74        | 47.84      | AV       | 54             | Pass    |
|               | Off     | 2390.0   | -50.02      | 2.48 | -           | 47.72      | PEAK     | 74             | Pass    |
|               | Off     | 2390.0   | -56.57      | 2.48 | 4.74        | 45.91      | AV       | 54             | Pass    |
|               | Off     | 2483.5   | -47.9       | 2.48 | -           | 49.84      | PEAK     | 74             | Pass    |
|               | Off     | 2483.5   | -56.06      | 2.48 | 4.74        | 46.42      | AV       | 54             | Pass    |
|               | Off     | 2489.632 | -47.74      | 2.48 | -           | 50         | PEAK     | 74             | Pass    |
|               | Off     | 2499.76  | -55.59      | 2.48 | 4.74        | 46.89      | AV       | 54             | Pass    |
|               | Off     | 2500.0   | -49.37      | 2.48 | -           | 48.37      | PEAK     | 74             | Pass    |
|               | Off     | 2500.0   | -55.67      | 2.48 | 4.74        | 46.81      | AV       | 54             | Pass    |
| $\pi/4$ DQPSK | Off     | 2310.0   | -52.4       | 2.48 | -           | 45.34      | PEAK     | 74             | Pass    |
|               | Off     | 2310.0   | -56.58      | 2.48 | 4.64        | 45.8       | AV       | 54             | Pass    |
|               | Off     | 2340.528 | -45.69      | 2.48 | -           | 52.05      | PEAK     | 74             | Pass    |
|               | Off     | 2338.896 | -54.16      | 2.48 | 4.64        | 48.22      | AV       | 54             | Pass    |
|               | Off     | 2390.0   | -49.68      | 2.48 | -           | 48.06      | PEAK     | 74             | Pass    |
|               | Off     | 2390.0   | -57.76      | 2.48 | 4.64        | 44.62      | AV       | 54             | Pass    |
|               | Off     | 2483.5   | -49.01      | 2.48 | -           | 48.73      | PEAK     | 74             | Pass    |
|               | Off     | 2483.5   | -56.81      | 2.48 | 4.74        | 45.67      | AV       | 54             | Pass    |
|               | Off     | 2496.712 | -46.4       | 2.48 | -           | 51.34      | PEAK     | 74             | Pass    |
|               | Off     | 2485.96  | -55.7       | 2.48 | 4.74        | 46.78      | AV       | 54             | Pass    |
|               | Off     | 2500.0   | -49.66      | 2.48 | -           | 48.08      | PEAK     | 74             | Pass    |
|               | Off     | 2500.0   | -57.04      | 2.48 | 4.74        | 45.44      | AV       | 54             | Pass    |
| 8DPSK         | Off     | 2310.0   | -49.7       | 2.48 | -           | 48.04      | PEAK     | 74             | Pass    |
|               | Off     | 2310.0   | -57.17      | 2.48 | 4.64        | 45.21      | AV       | 54             | Pass    |
|               | Off     | 2352.432 | -45.76      | 2.48 | -           | 51.98      | PEAK     | 74             | Pass    |
|               | Off     | 2343.024 | -54.66      | 2.48 | 4.64        | 47.72      | AV       | 54             | Pass    |

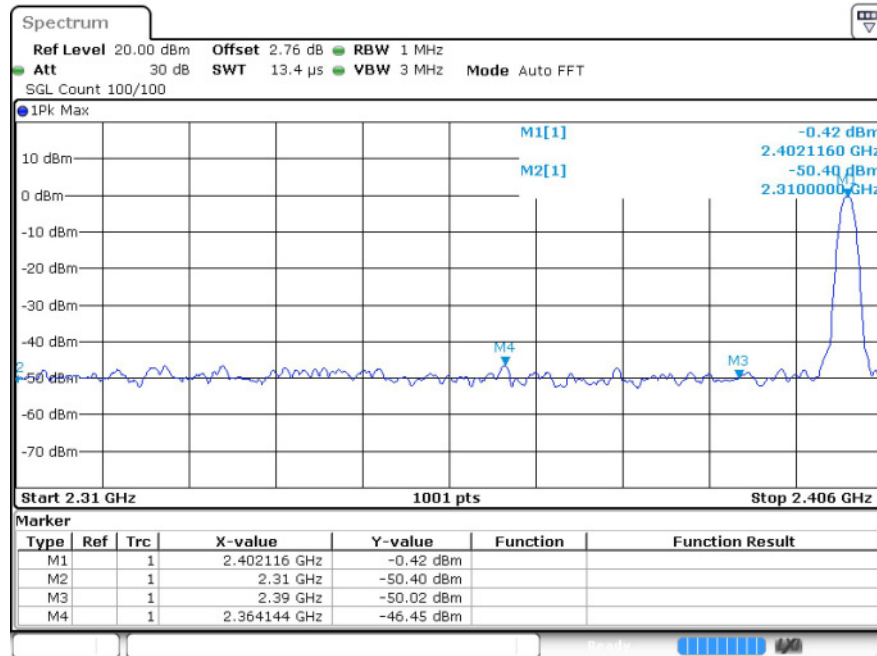


|     |          |        |      |      |       |      |    |      |
|-----|----------|--------|------|------|-------|------|----|------|
| Off | 2390.0   | -51.45 | 2.48 | -    | 46.29 | PEAK | 74 | Pass |
| Off | 2390.0   | -56.23 | 2.48 | 4.64 | 46.15 | AV   | 54 | Pass |
| Off | 2483.5   | -48.37 | 2.48 | -    | 49.37 | PEAK | 74 | Pass |
| Off | 2483.5   | -56.27 | 2.48 | 4.74 | 46.21 | AV   | 54 | Pass |
| Off | 2483.752 | -47.73 | 2.48 | -    | 50.01 | PEAK | 74 | Pass |
| Off | 2484.208 | -55.41 | 2.48 | 4.74 | 47.07 | AV   | 54 | Pass |
| Off | 2500.0   | -49.34 | 2.48 | -    | 48.4  | PEAK | 74 | Pass |
| Off | 2500.0   | -56.49 | 2.48 | 4.74 | 45.99 | AV   | 54 | Pass |

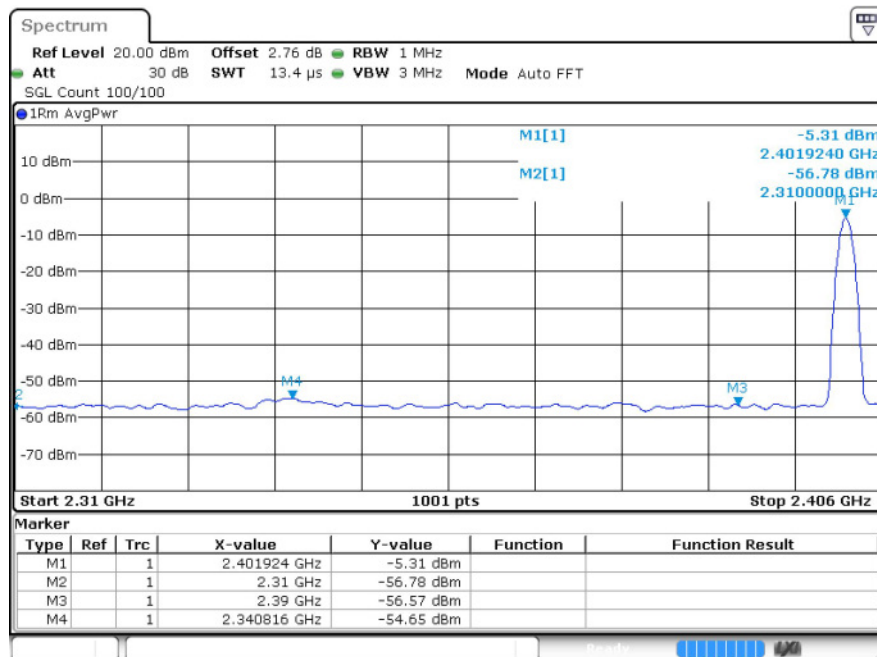
Note: Left and Right ears have been tested. The data from the Left ear is the worst, only showing the worst case mode.

## 9.2 Test Graphs

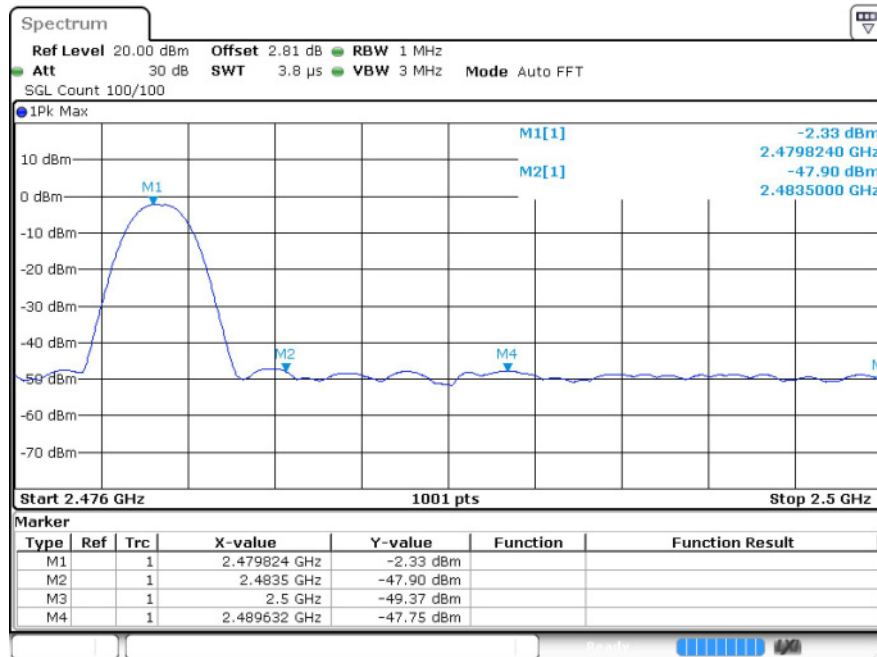
Restrict-band band-edge measurements\_Hopping Off\_ GFSK\_PEAK (Low Channel)



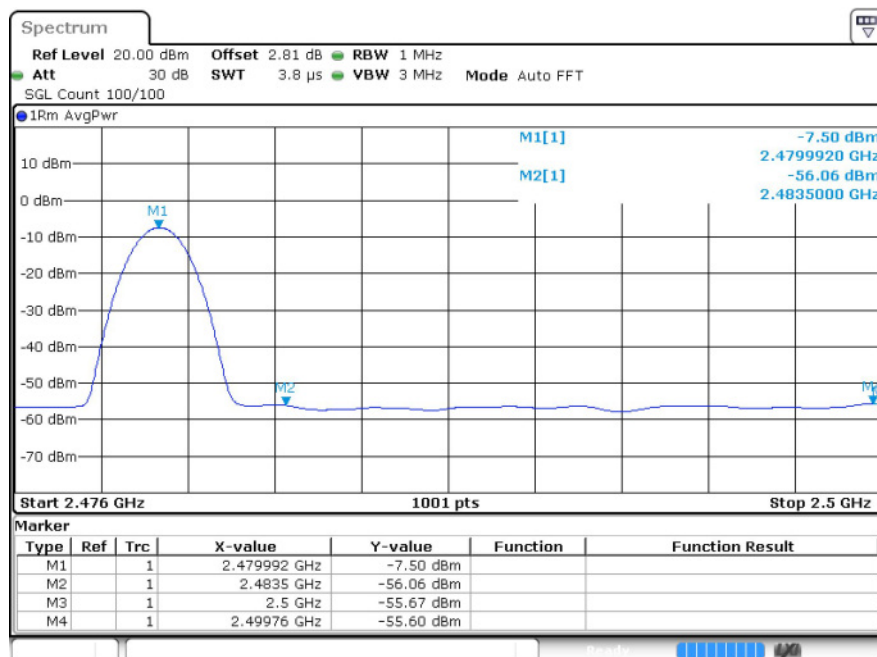
Restrict-band band-edge measurements\_Hopping Off\_ GFSK\_Average (Low Channel)



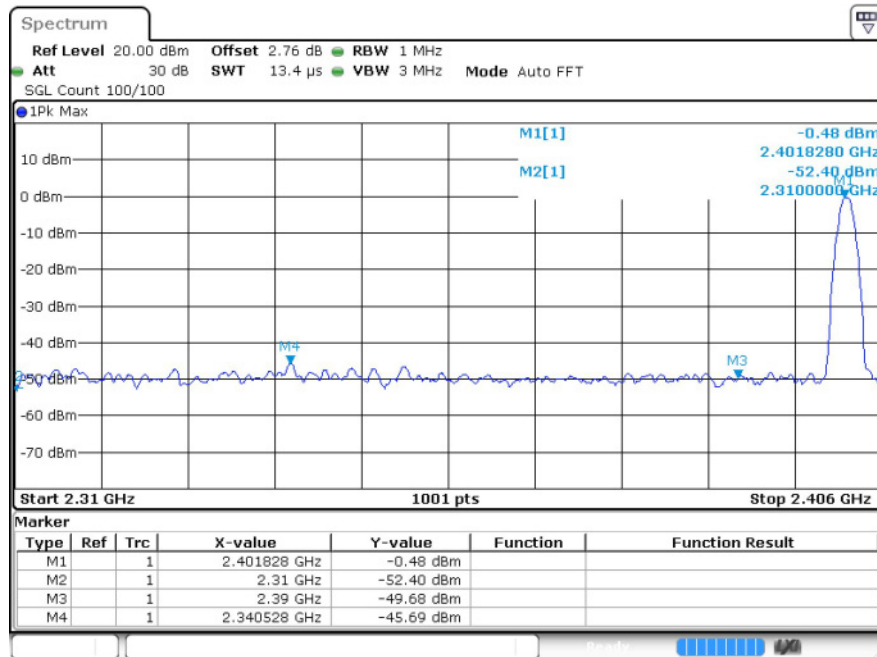
## Restrict-band band-edge measurements\_Hopping Off\_ GFSK\_PEAK (High Channel)



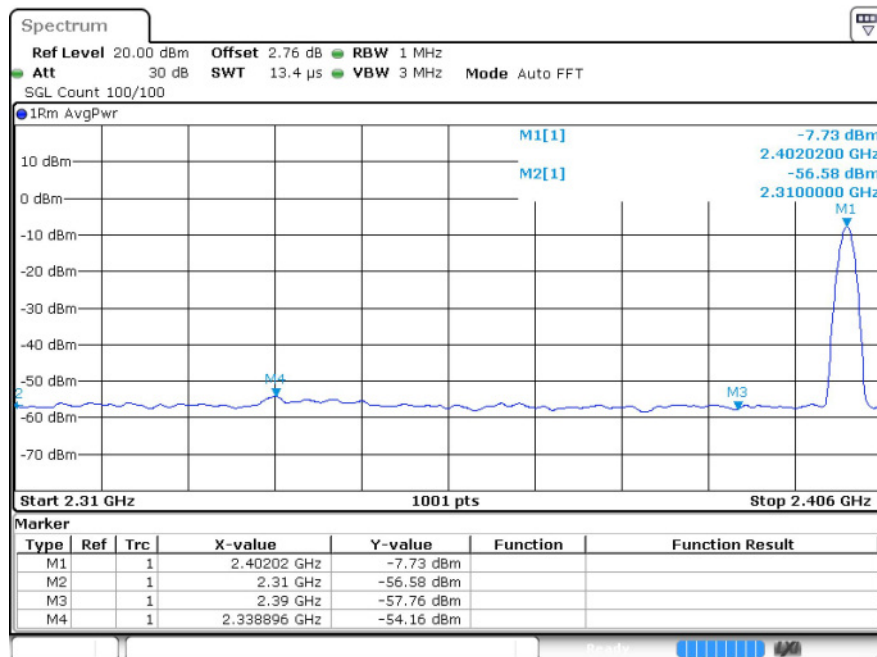
## Restrict-band band-edge measurements\_Hopping Off\_ GFSK\_Average (High Channel)



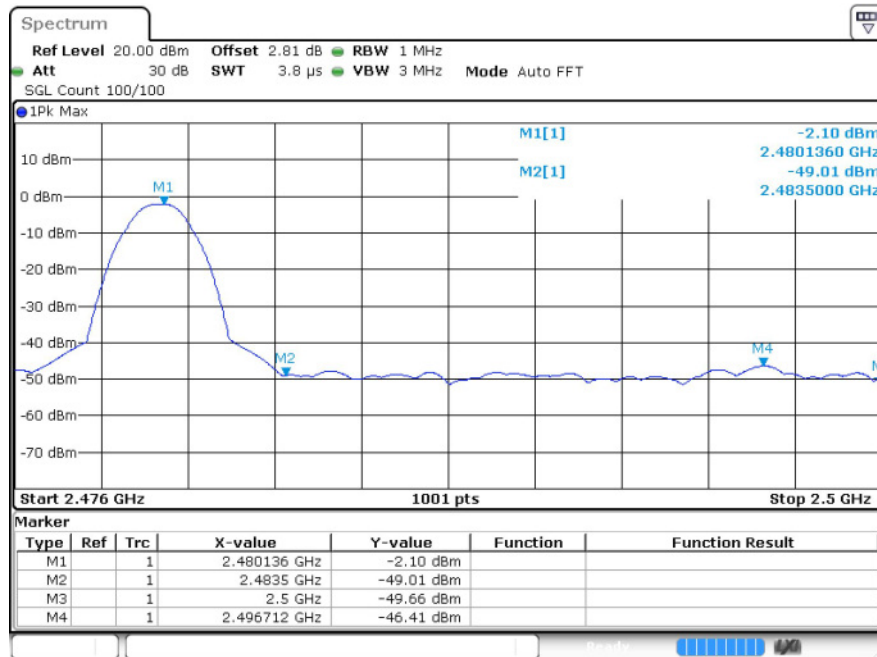
## Restrict-band band-edge measurements\_Hopping Off\_π/4-DQPSK\_PEAK (Low Channel)



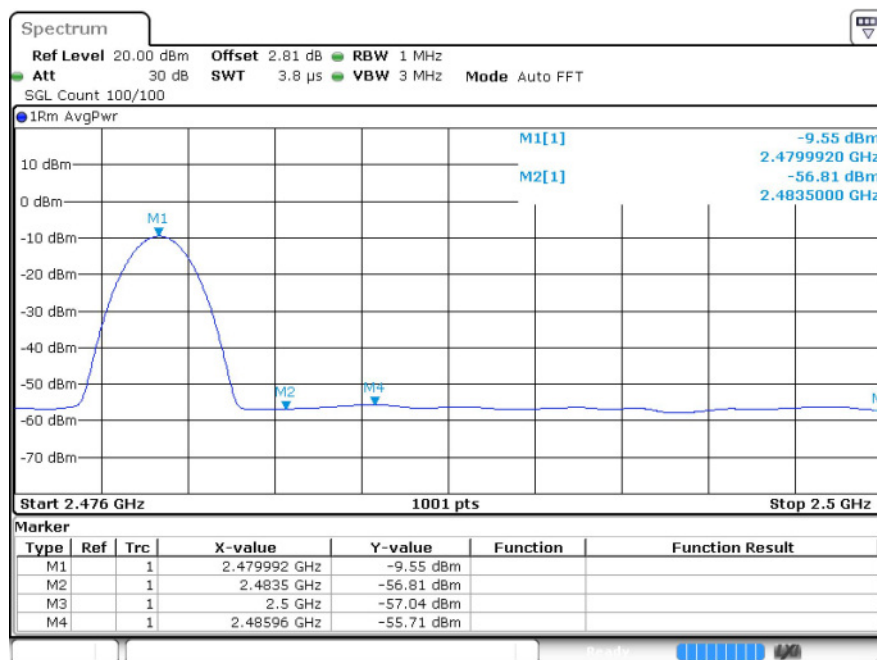
## Restrict-band band-edge measurements\_Hopping Off\_π/4-DQPSK\_Average (Low Channel)



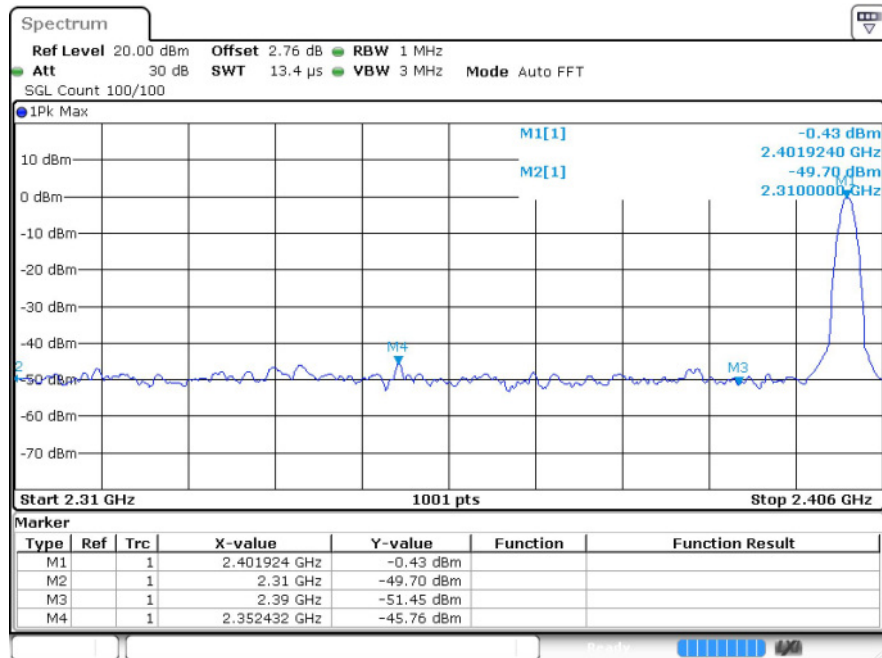
### Restrict-band band-edge measurements\_Hopping Off\_π/4-DQPSK\_PEAK (High Channel)



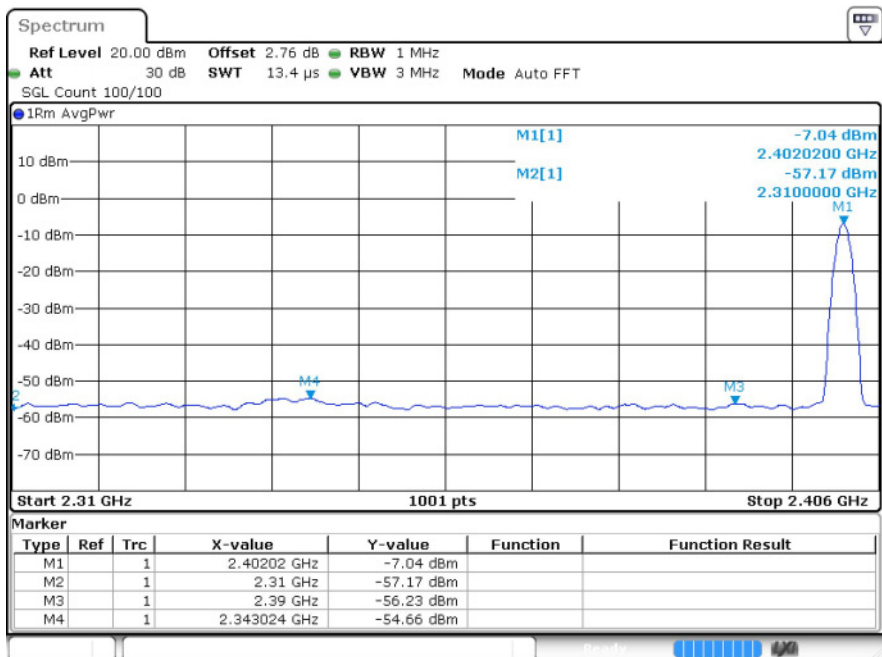
### Restrict-band band-edge measurements\_Hopping Off\_π/4-DQPSK\_Average (High Channel)



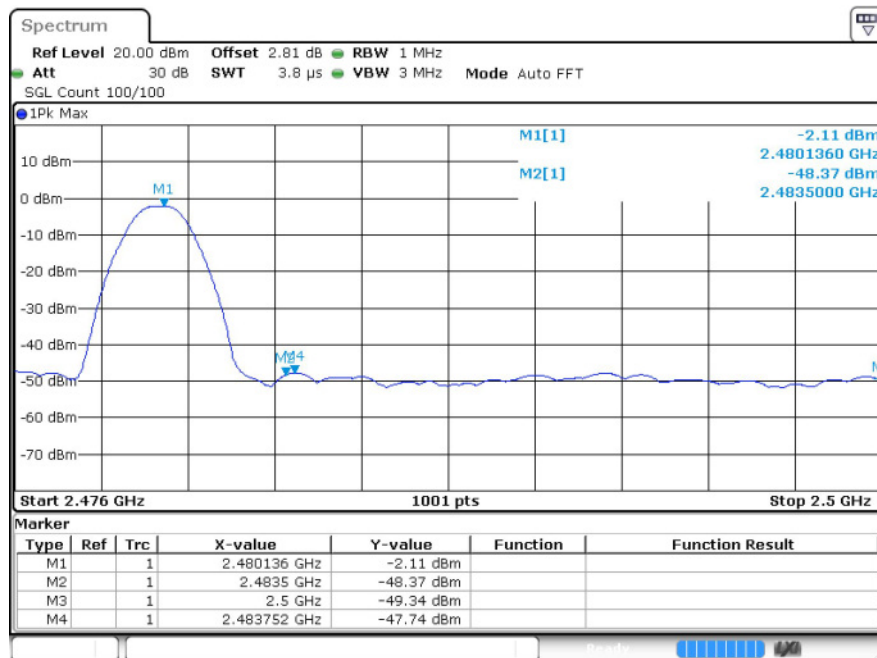
## Restrict-band band-edge measurements\_Hopping Off\_8DPSK\_PEAK (Low Channel)



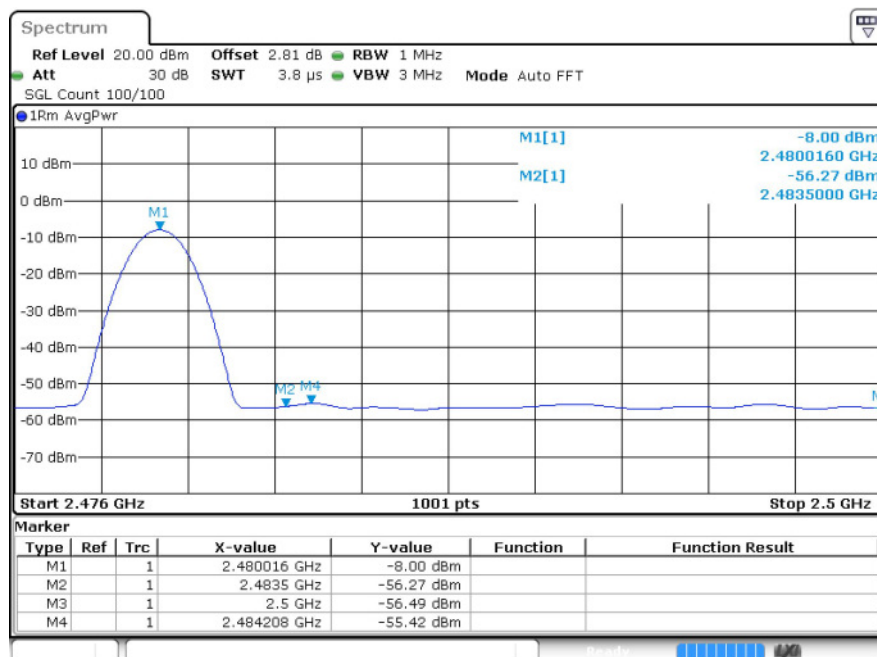
## Restrict-band band-edge measurements\_Hopping Off\_8DPSK\_Average (Low Channel)



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



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



---The End---