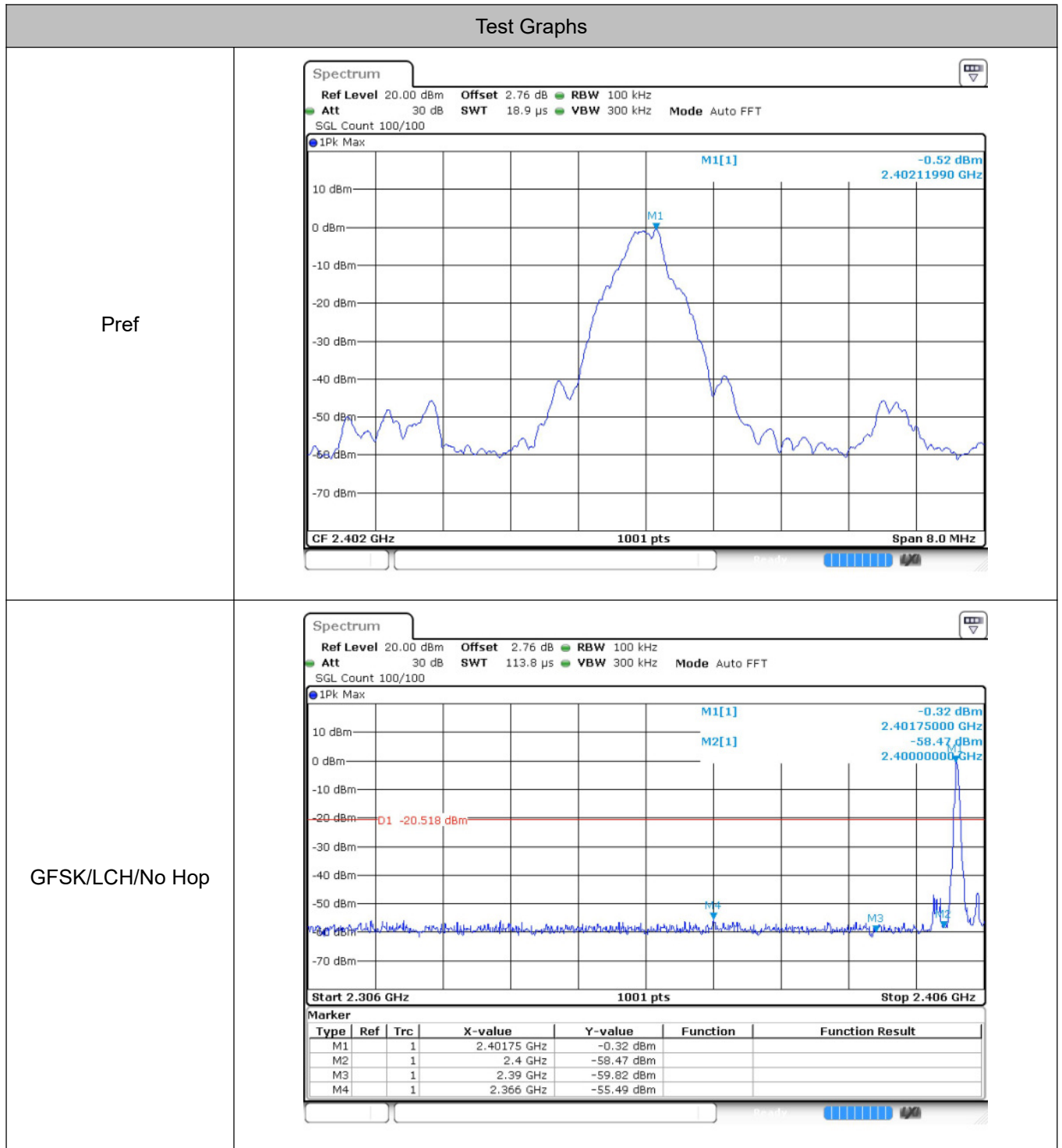
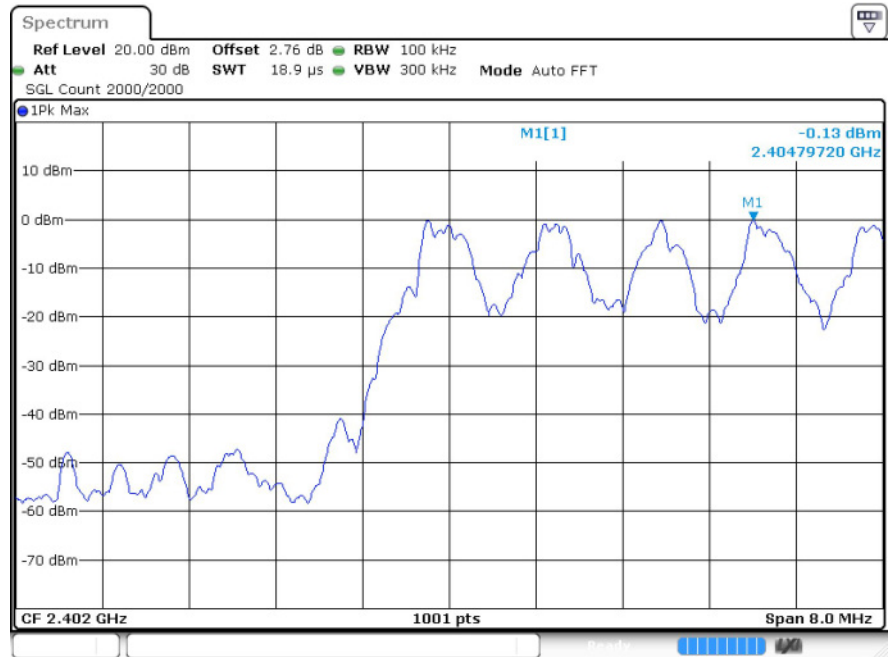


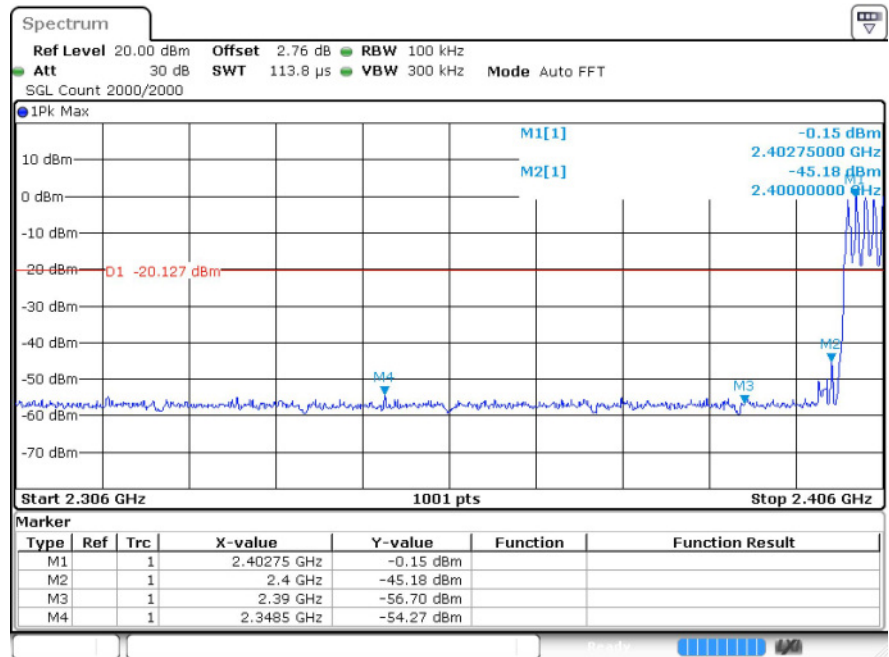
## 8.2 Test Graphs



Ref



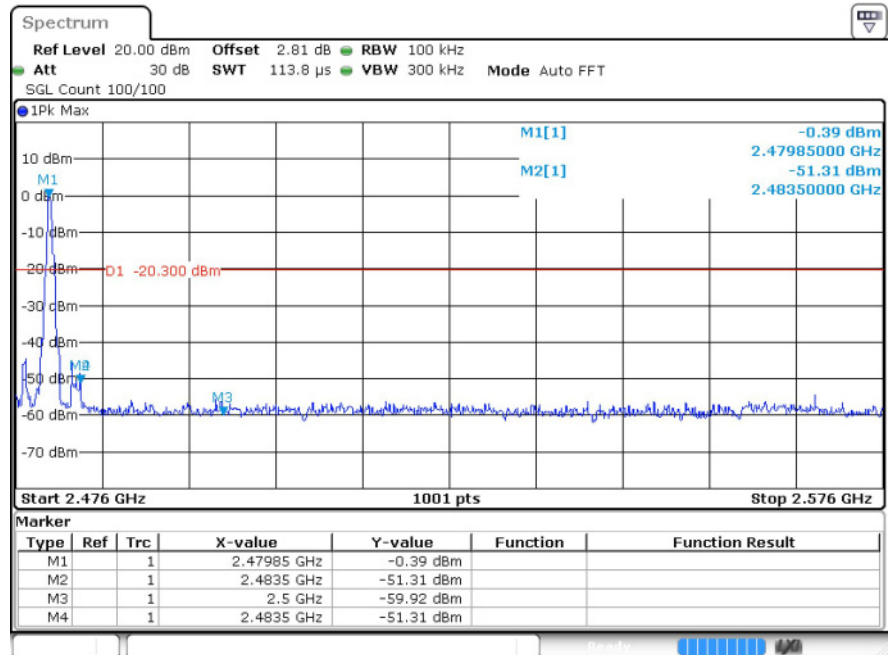
GFSK/LCH/Hop



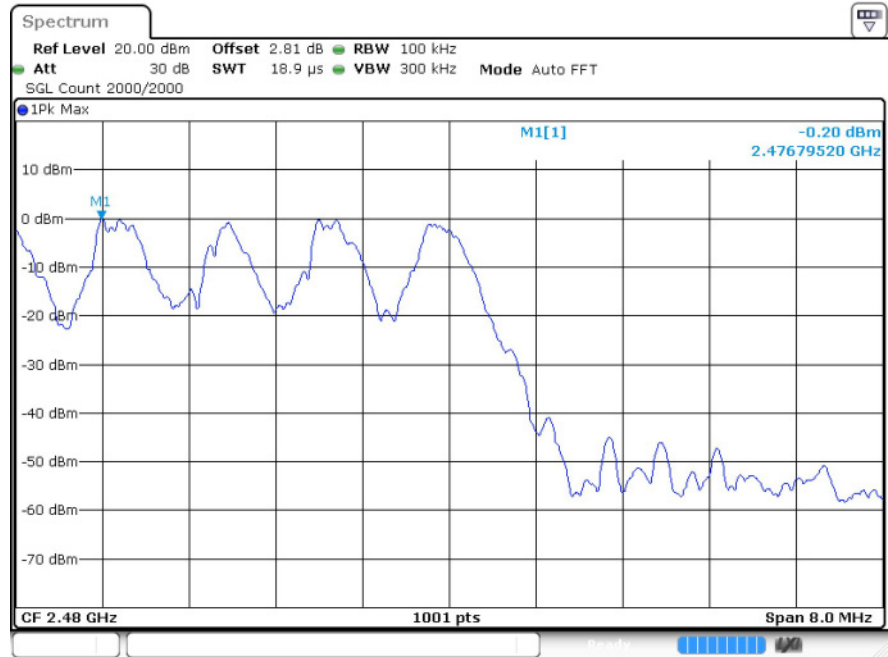
Ref



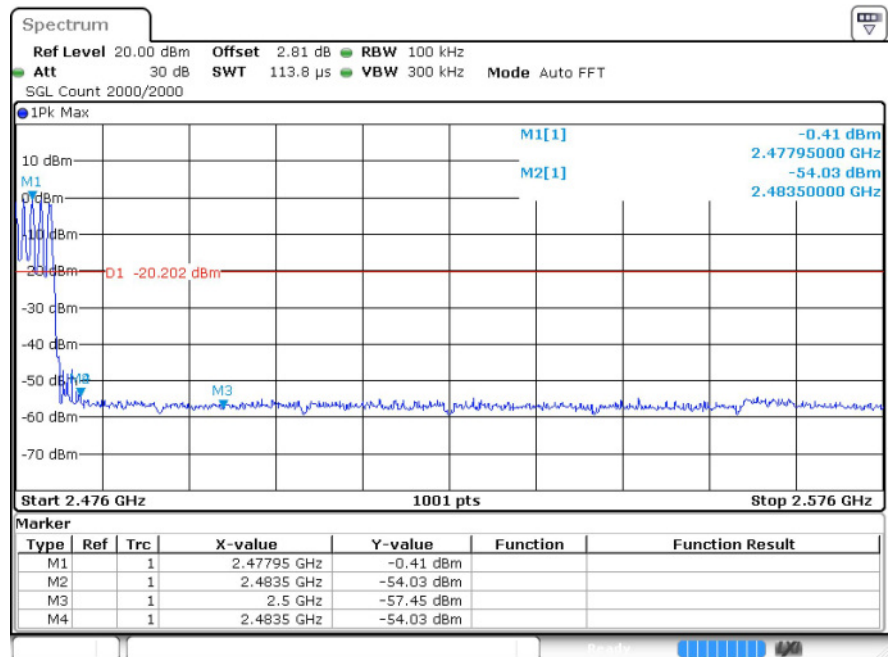
GFSK/HCH/No Hop



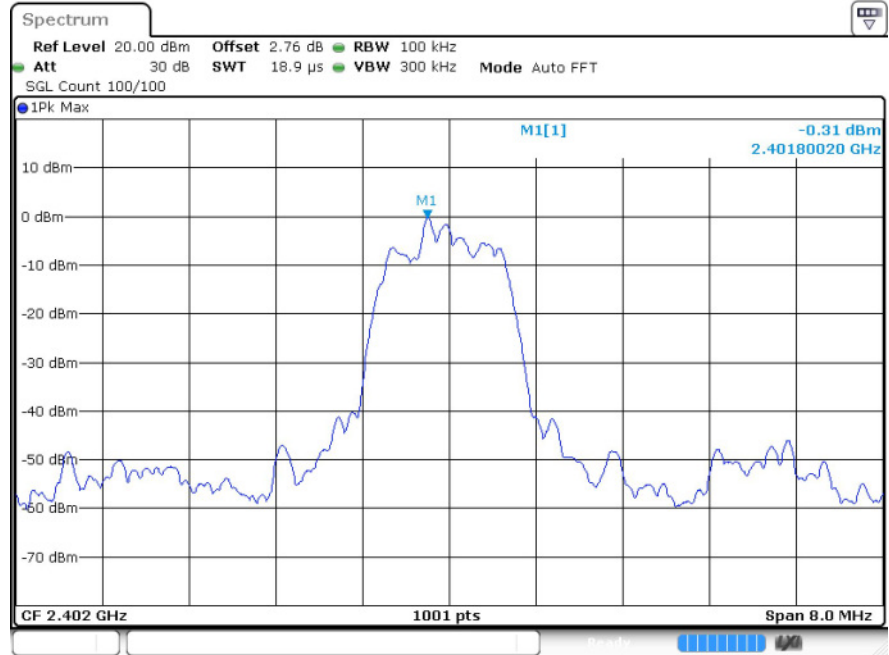
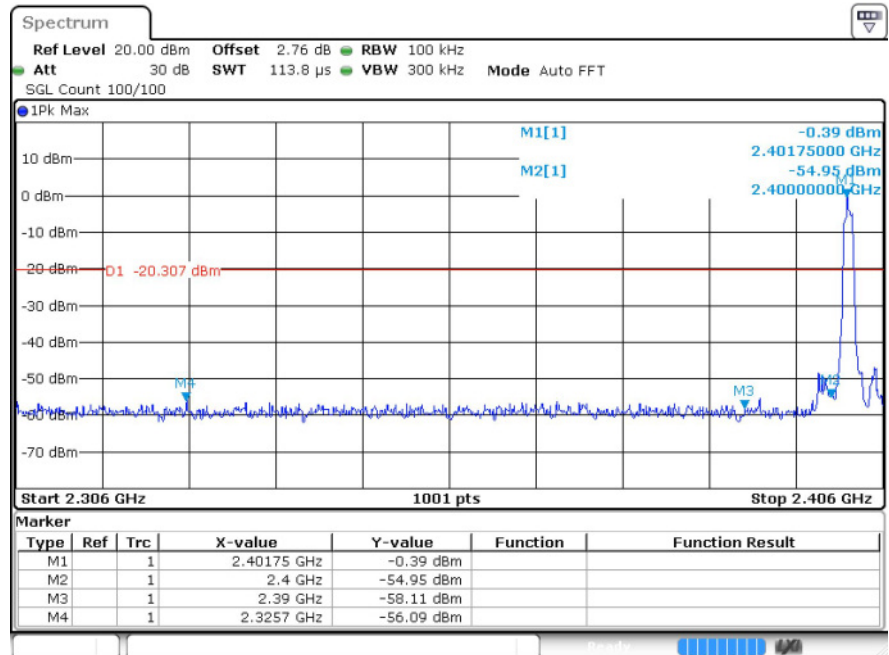
Ref.



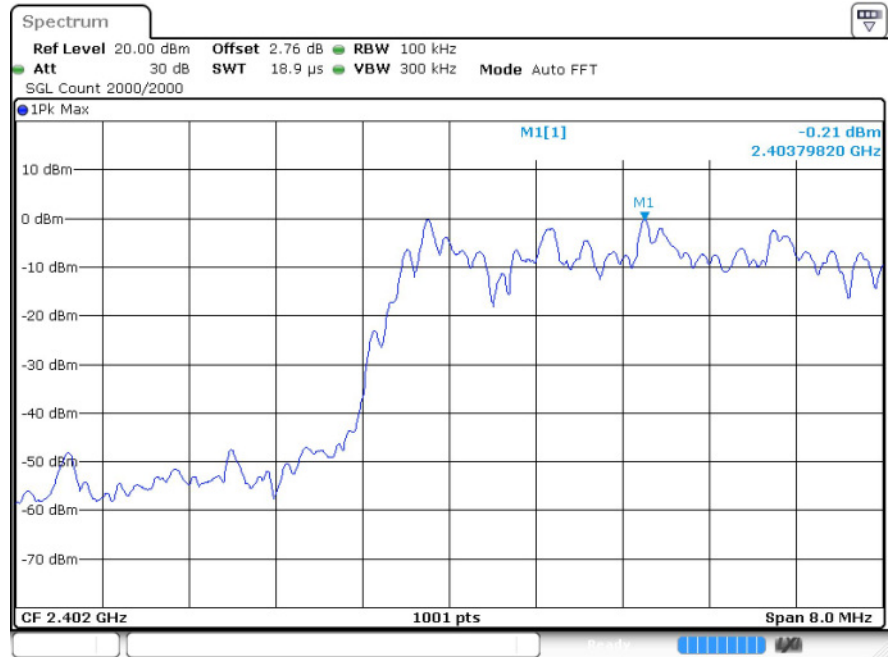
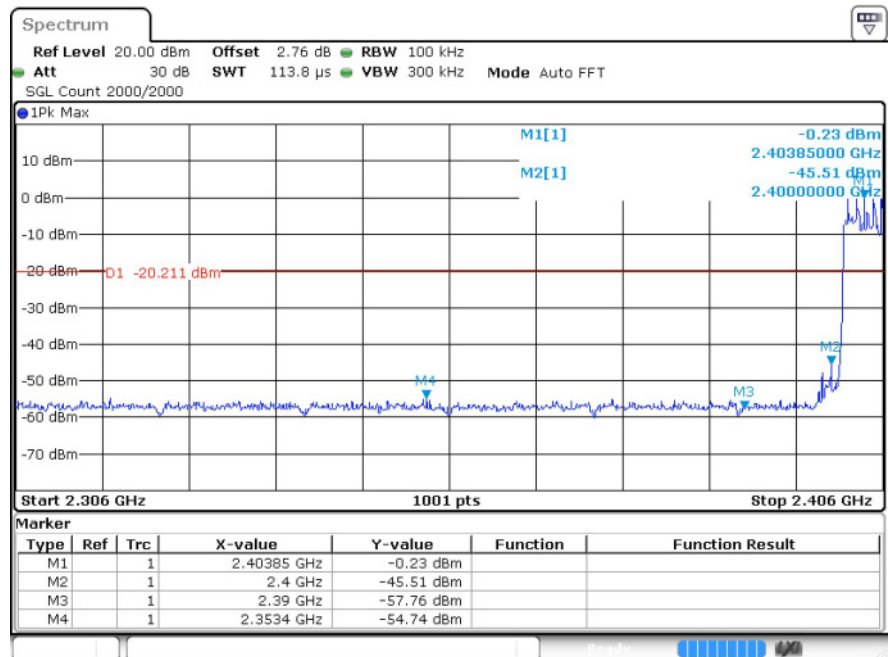
GFSK/HCH/Hop



Ref


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


Ref


 $\pi/4$ DQPSK/LCH/Hop




**Spectrum**

Ref Level 20.00 dBm    Offset 2.81 dB    RBW 100 kHz  
Att 30 dB    SWT 113.8  $\mu$ s    VBW 300 kHz    Mode Auto FFT  
SGL Count 100/100

1Pk Max

10 dBm  
0 dBm  
-10 dBm  
-20 dBm  
-30 dBm  
-40 dBm  
-50 dBm  
-60 dBm  
-70 dBm

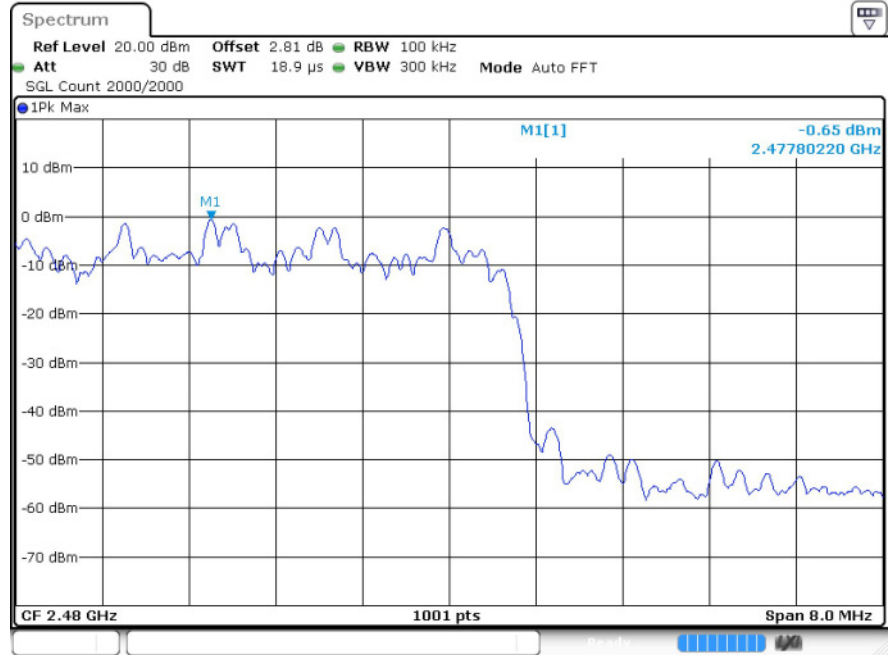
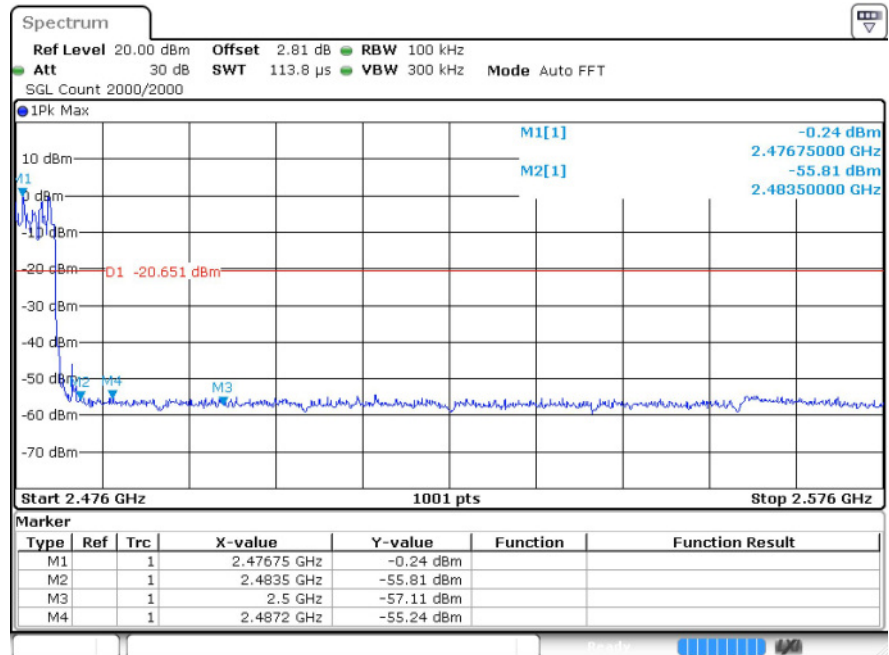
M1[1] -0.76 dBm  
2.47995000 GHz  
M2[1] -54.98 dBm  
2.48350000 GHz  
M3 -58.58 dBm  
2.5 GHz

D1 -20.342 dBm

Start 2.476 GHz    1001 pts    Stop 2.576 GHz

| Type | Ref | Trc | X-value     | Y-value    | Function | Function Result |
|------|-----|-----|-------------|------------|----------|-----------------|
| M1   |     | 1   | 2.47995 GHz | -0.76 dBm  |          |                 |
| M2   |     | 1   | 2.4835 GHz  | -54.98 dBm |          |                 |
| M3   |     | 1   | 2.5 GHz     | -58.58 dBm |          |                 |
| M4   |     | 1   | 2.4836 GHz  | -54.91 dBm |          |                 |

Ref


 $\pi/4$ DQPSK/HCH/Hop




## 9 Restrict-band band-edge measurements

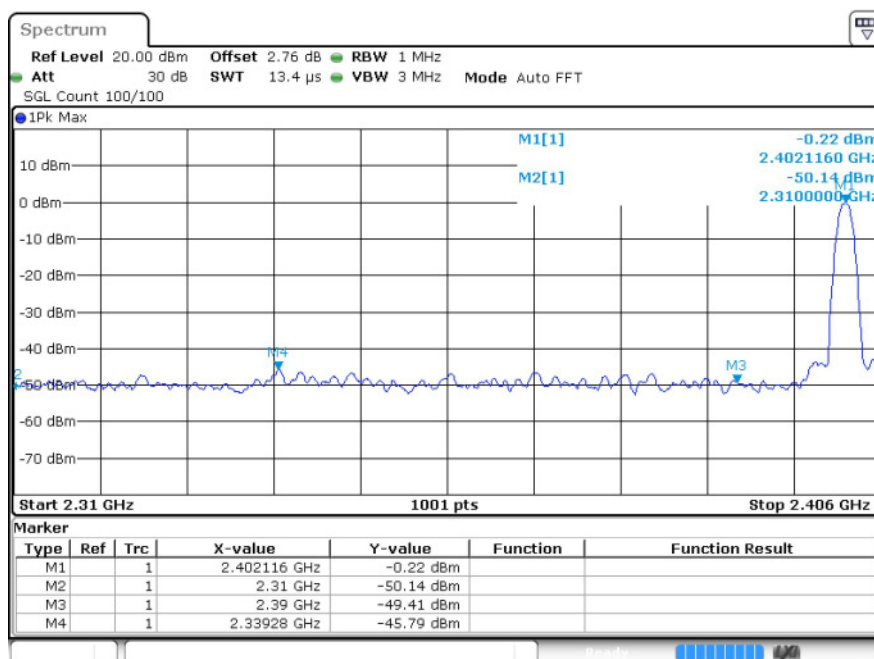
### 9.1 Test Result

| Test Mode     | Hopping | Freq.    | Power [dBm] | Gain | Duty Factor | E [dBuV/m] | Detector | Limit [dBuV/m] | Verdict |
|---------------|---------|----------|-------------|------|-------------|------------|----------|----------------|---------|
| GFSK          | Off     | 2310.0   | -50.14      | 3.19 | -           | 48.28      | PEAK     | 74             | Pass    |
|               | Off     | 2310.0   | -57.37      | 3.19 | 4.97        | 46.02      | AV       | 54             | Pass    |
|               | Off     | 2339.28  | -45.79      | 3.19 | -           | 52.63      | PEAK     | 74             | Pass    |
|               | Off     | 2338.704 | -54.52      | 3.19 | 4.97        | 48.87      | AV       | 54             | Pass    |
|               | Off     | 2390.0   | -49.41      | 3.19 | -           | 49.01      | PEAK     | 74             | Pass    |
|               | Off     | 2390.0   | -57.49      | 3.19 | 4.97        | 45.9       | AV       | 54             | Pass    |
|               | Off     | 2483.5   | -44.58      | 3.19 | -           | 53.84      | PEAK     | 74             | Pass    |
|               | Off     | 2483.5   | -53.51      | 3.19 | 4.99        | 49.9       | AV       | 54             | Pass    |
|               | Off     | 2483.512 | -44.67      | 3.19 | -           | 53.75      | PEAK     | 74             | Pass    |
|               | Off     | 2483.512 | -53.59      | 3.19 | 4.99        | 49.82      | AV       | 54             | Pass    |
|               | Off     | 2500.0   | -50.33      | 3.19 | -           | 48.09      | PEAK     | 74             | Pass    |
|               | Off     | 2500.0   | -56.57      | 3.19 | 4.99        | 46.84      | AV       | 54             | Pass    |
| $\pi/4$ DQPSK | Off     | 2310.0   | -47.26      | 3.19 | -           | 51.16      | PEAK     | 74             | Pass    |
|               | Off     | 2310.0   | -56.54      | 3.19 | 4.89        | 46.77      | AV       | 54             | Pass    |
|               | Off     | 2350.32  | -45.83      | 3.19 | -           | 52.59      | PEAK     | 74             | Pass    |
|               | Off     | 2337.936 | -54.53      | 3.19 | 4.89        | 48.78      | AV       | 54             | Pass    |
|               | Off     | 2390.0   | -48.28      | 3.19 | -           | 50.14      | PEAK     | 74             | Pass    |
|               | Off     | 2390.0   | -56.47      | 3.19 | 4.89        | 46.84      | AV       | 54             | Pass    |
|               | Off     | 2483.5   | -45.32      | 3.19 | -           | 53.1       | PEAK     | 74             | Pass    |
|               | Off     | 2483.5   | -54.69      | 3.19 | 4.95        | 48.68      | AV       | 54             | Pass    |
|               | Off     | 2483.512 | -45.4       | 3.19 | -           | 53.02      | PEAK     | 74             | Pass    |
|               | Off     | 2483.512 | -54.79      | 3.19 | 4.95        | 48.58      | AV       | 54             | Pass    |
|               | Off     | 2500.0   | -50.34      | 3.19 | -           | 48.08      | PEAK     | 74             | Pass    |
|               | Off     | 2500.0   | -56.12      | 3.19 | 4.95        | 47.25      | AV       | 54             | Pass    |

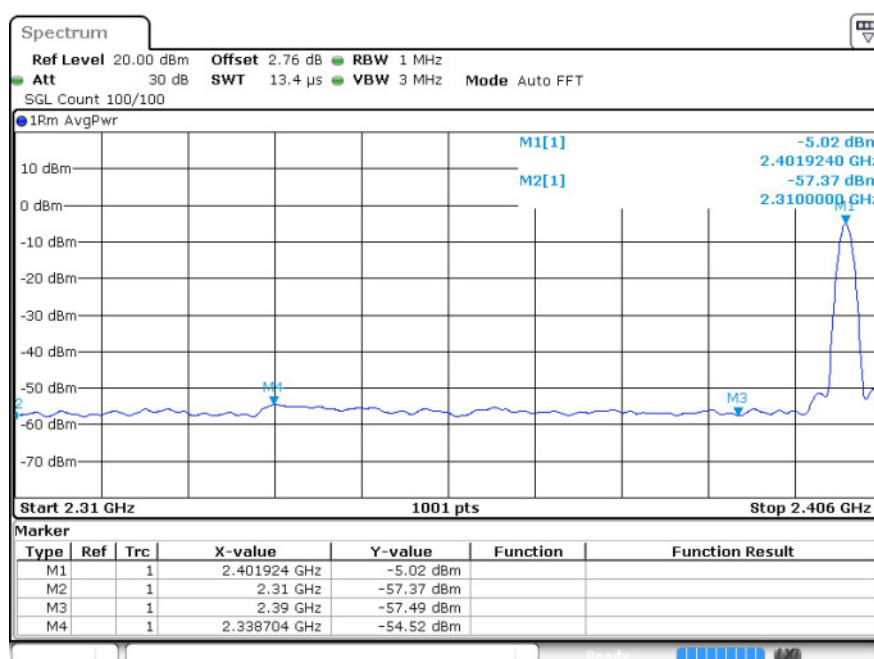
Note: Left and right ear have been tested and the only shows the worst case mode.

## 9.2 Test Graphs

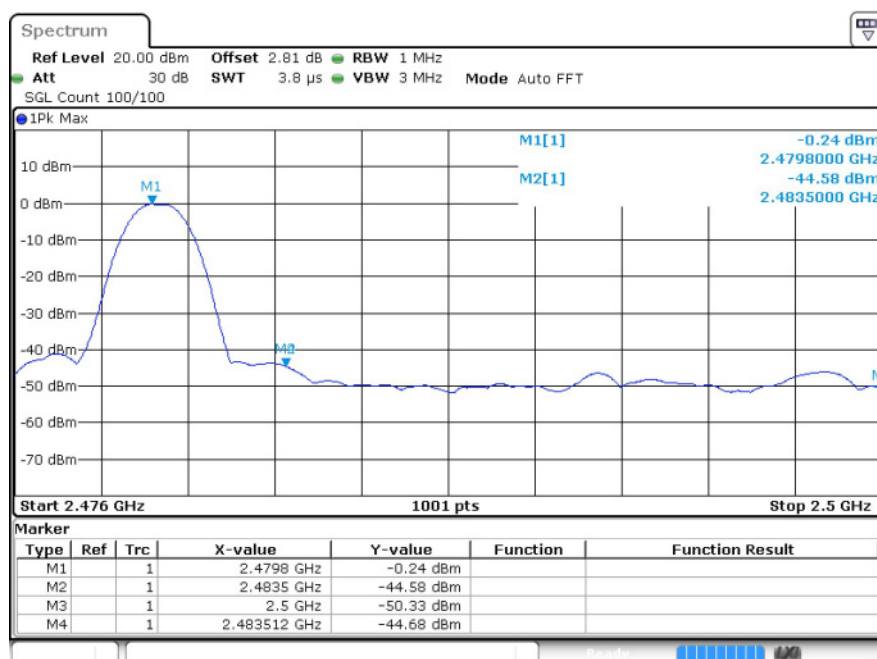
Restrict-band band-edge measurements\_Hopping Off\_ GFSK\_PEAK (Low Channel)



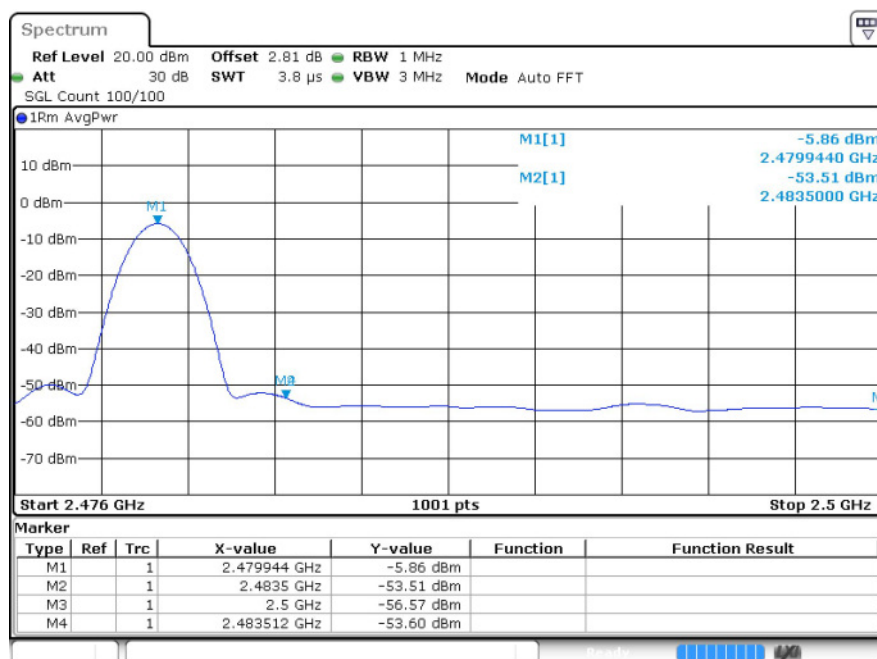
Restrict-band band-edge measurements\_Hopping Off\_ GFSK\_Average (Low Channel)



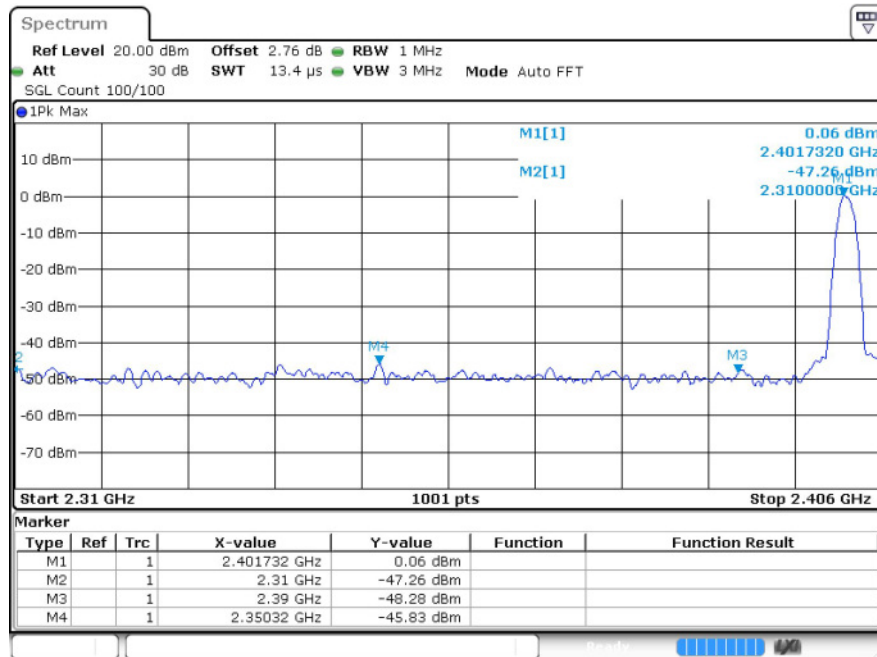
# Restrict-band band-edge measurements\_Hopping Off\_ GFSK\_PEAK (High Channel)



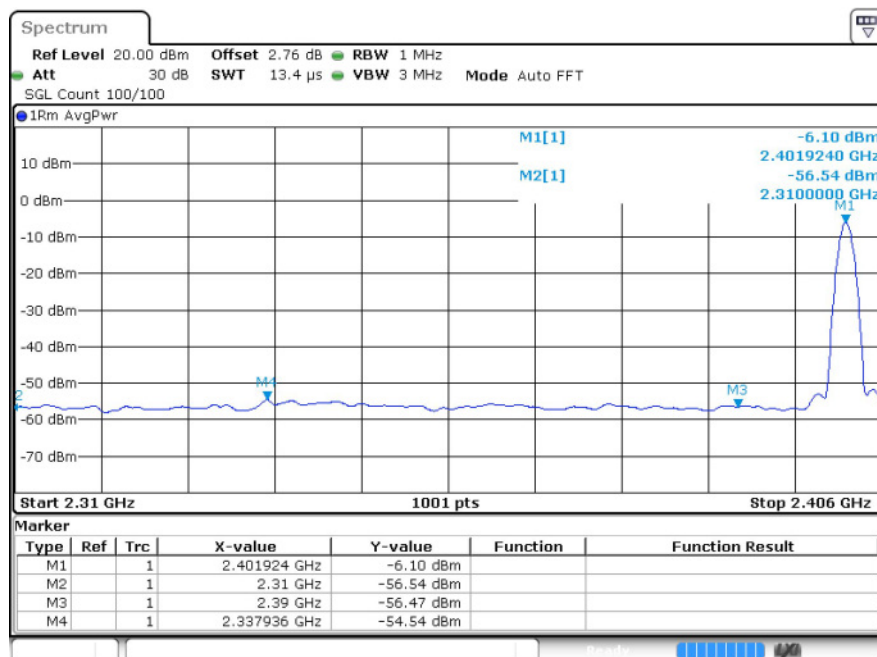
# Restrict-band band-edge measurements\_Hopping Off\_ GFSK\_Average (High Channel)



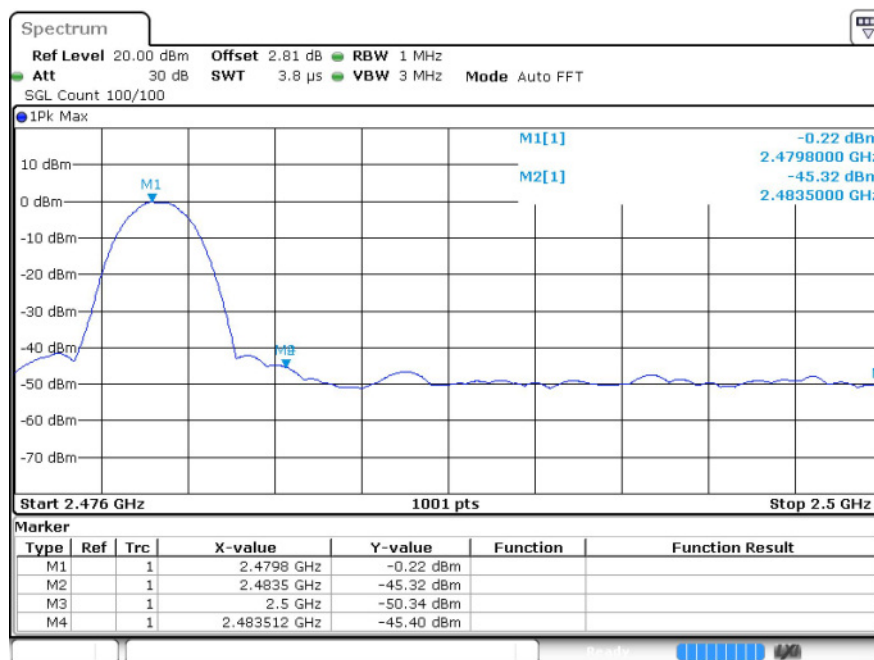
## Restrict-band band-edge measurements\_Hopping Off\_π/4-DQPSK\_PEAK (Low Channel)



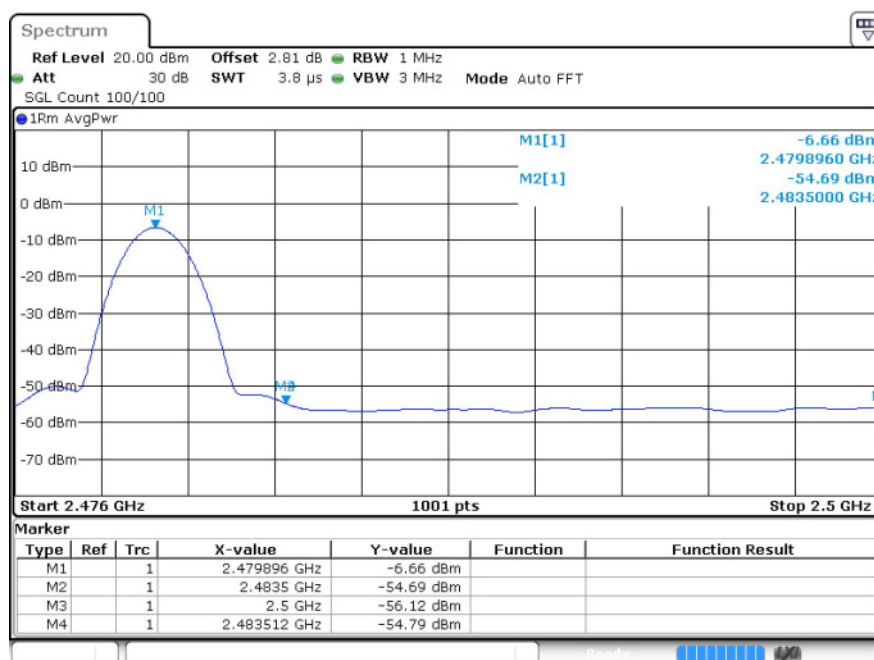
## Restrict-band band-edge measurements\_Hopping Off\_π/4-DQPSK\_Average (Low Channel)



### 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)



---The End---