

## Appendix A

### RF Test Data for BT V4.2(DSS/DTS) (Conducted Measurement)

Product Name: DP50-1

Trade Mark:  , 

Test Model: DP50-1

#### Environmental Conditions

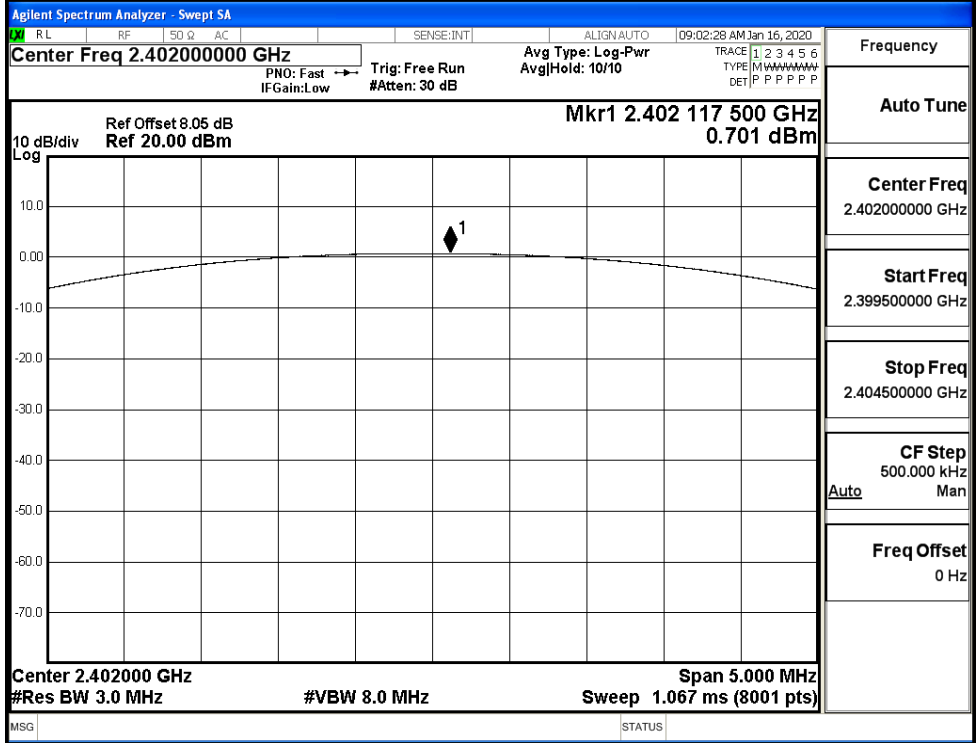
|                    |           |
|--------------------|-----------|
| Temperature:       | 22.8°C    |
| Relative Humidity: | 53.4%     |
| ATM Pressure:      | 100.0 kPa |
| Test Engineer:     | Li Huan   |
| Supervised by:     | Tom.Liu   |

#### A.1 Maxmum Conducted Peak Output Power

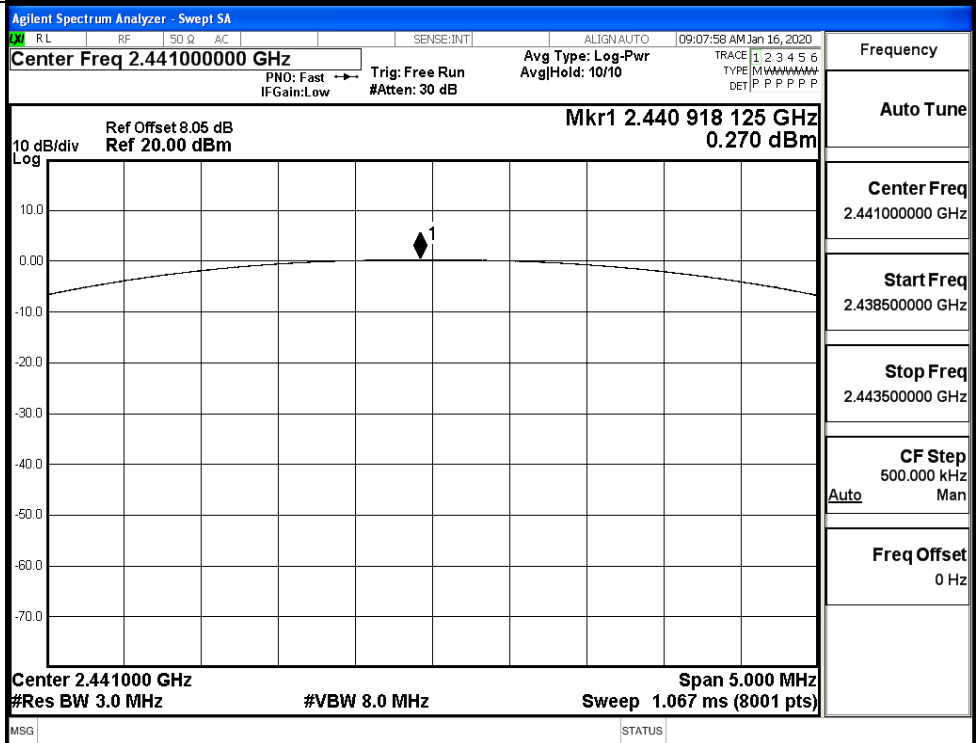
| Mode          | Channel. | Maximum Peak Output Power [dBm] | Limit [dBm] | Verdict |
|---------------|----------|---------------------------------|-------------|---------|
| GFSK          | LCH      | 0.701                           | 21          | PASS    |
|               | MCH      | 0.270                           | 21          | PASS    |
|               | HCH      | 0.002                           | 21          | PASS    |
| $\pi/4$ DQPSK | LCH      | 1.265                           | 21          | PASS    |
|               | MCH      | 0.850                           | 21          | PASS    |
|               | HCH      | 0.583                           | 21          | PASS    |
| 8DPSK         | LCH      | 1.865                           | 21          | PASS    |
|               | MCH      | 1.418                           | 21          | PASS    |
|               | HCH      | 1.136                           | 21          | PASS    |

Test Graphs

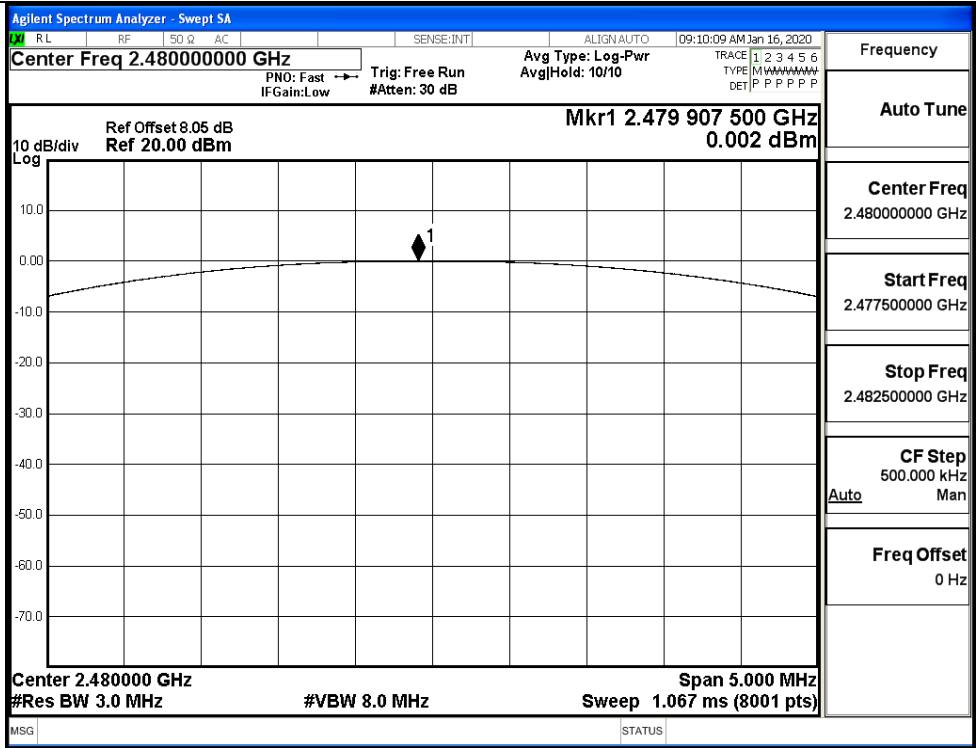
GFSK/LCH



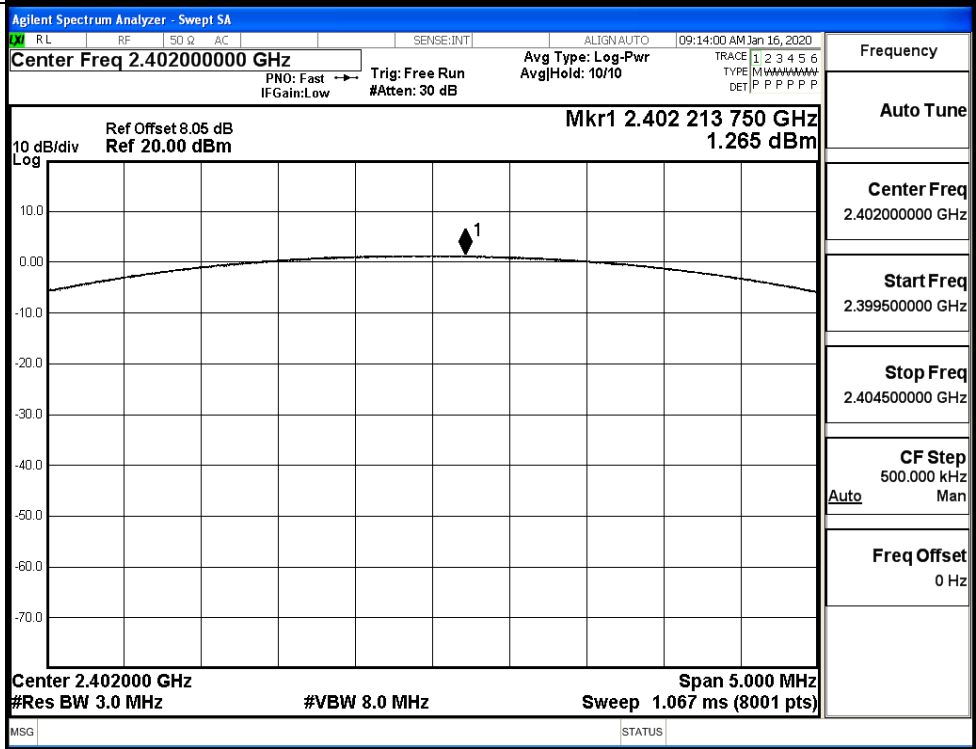
GFSK/MCH



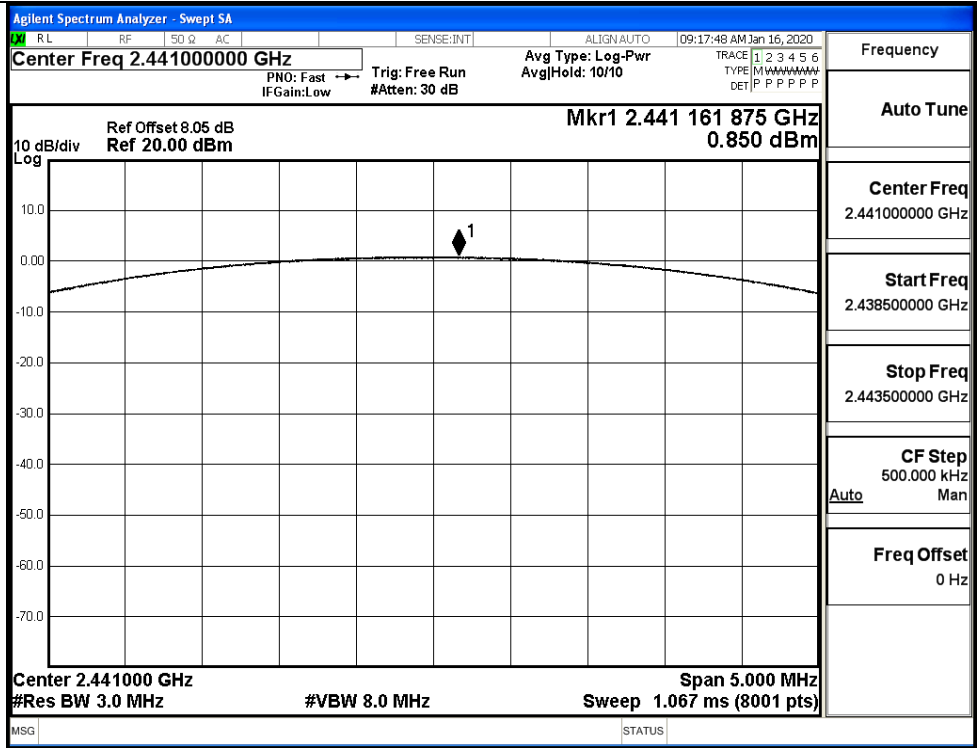
GFSK/HCH



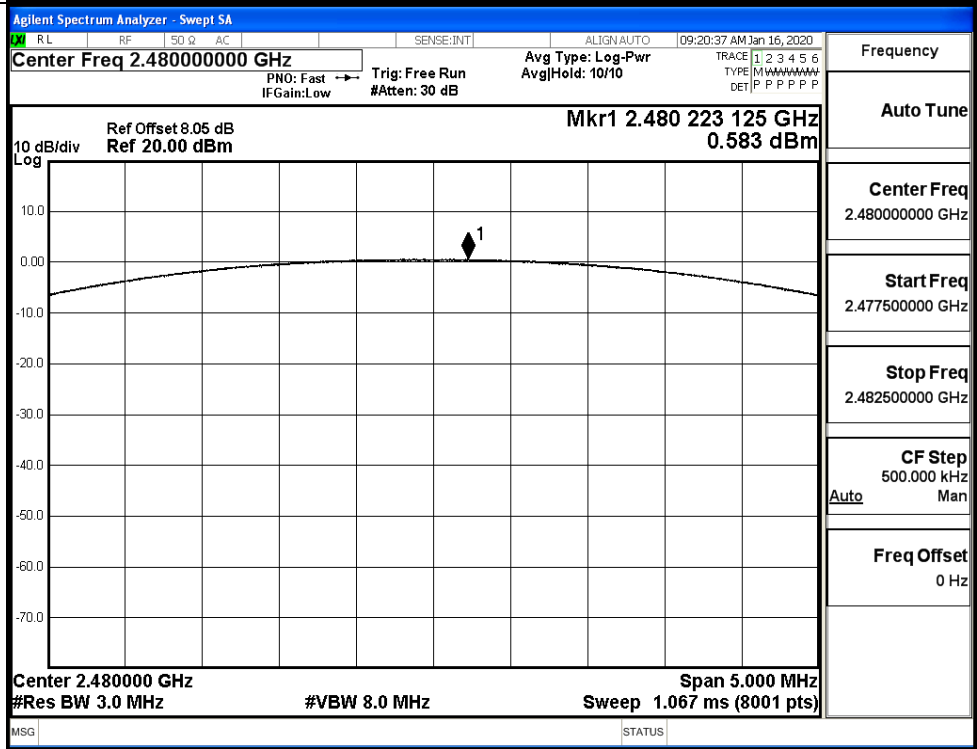
$\pi$ /4DQPSK/LCH

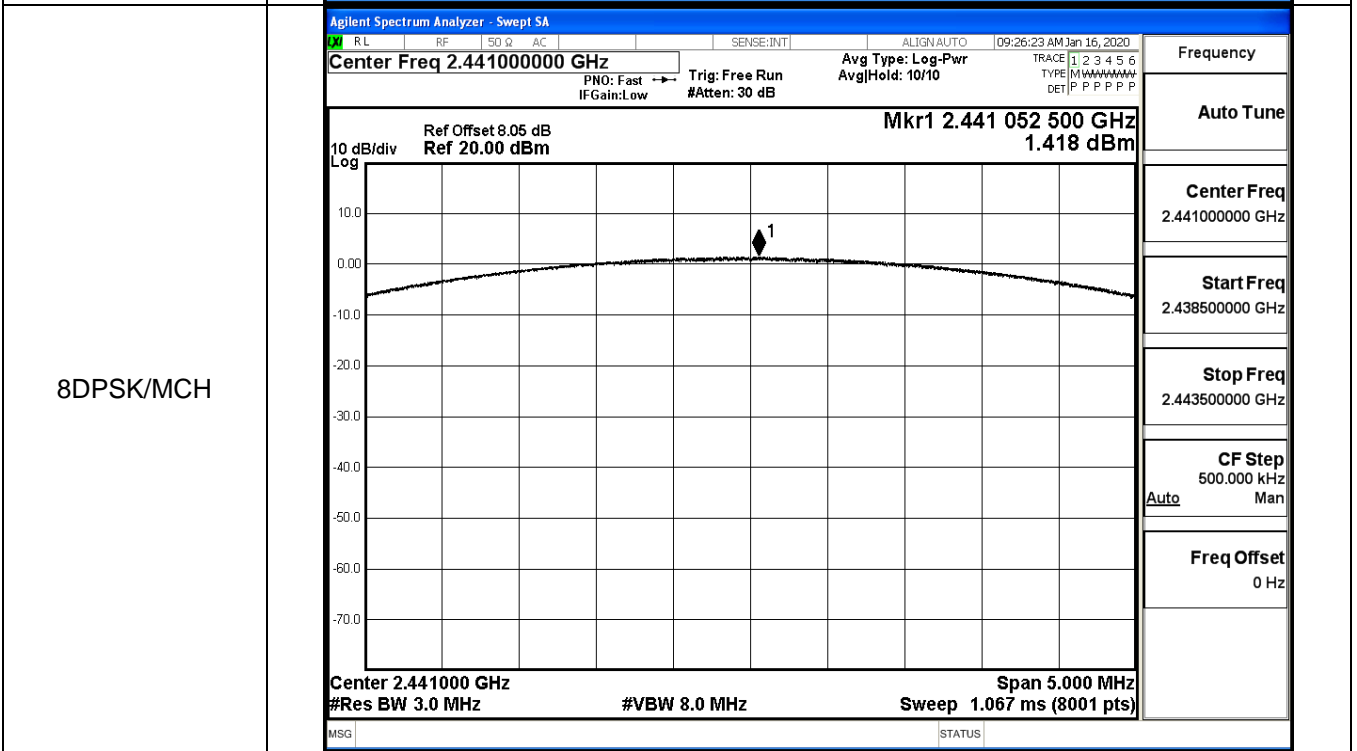
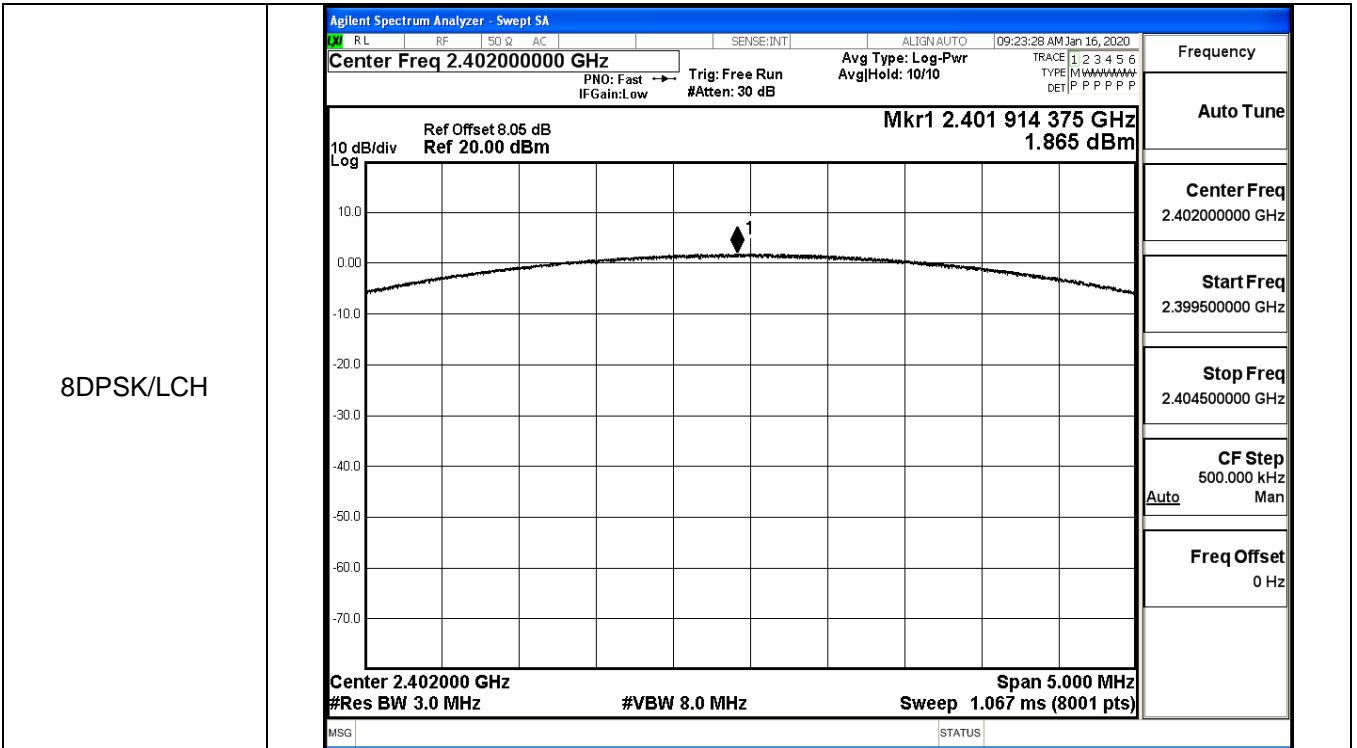


$\pi/4$ DQPSK/MCH

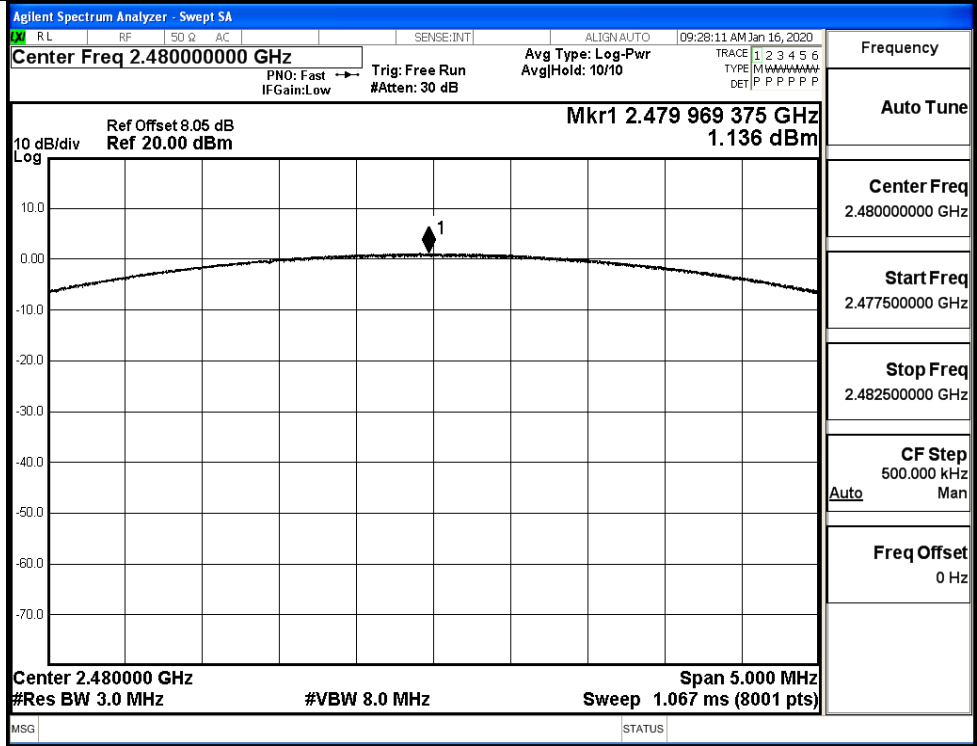


$\pi/4$ DQPSK/HCH



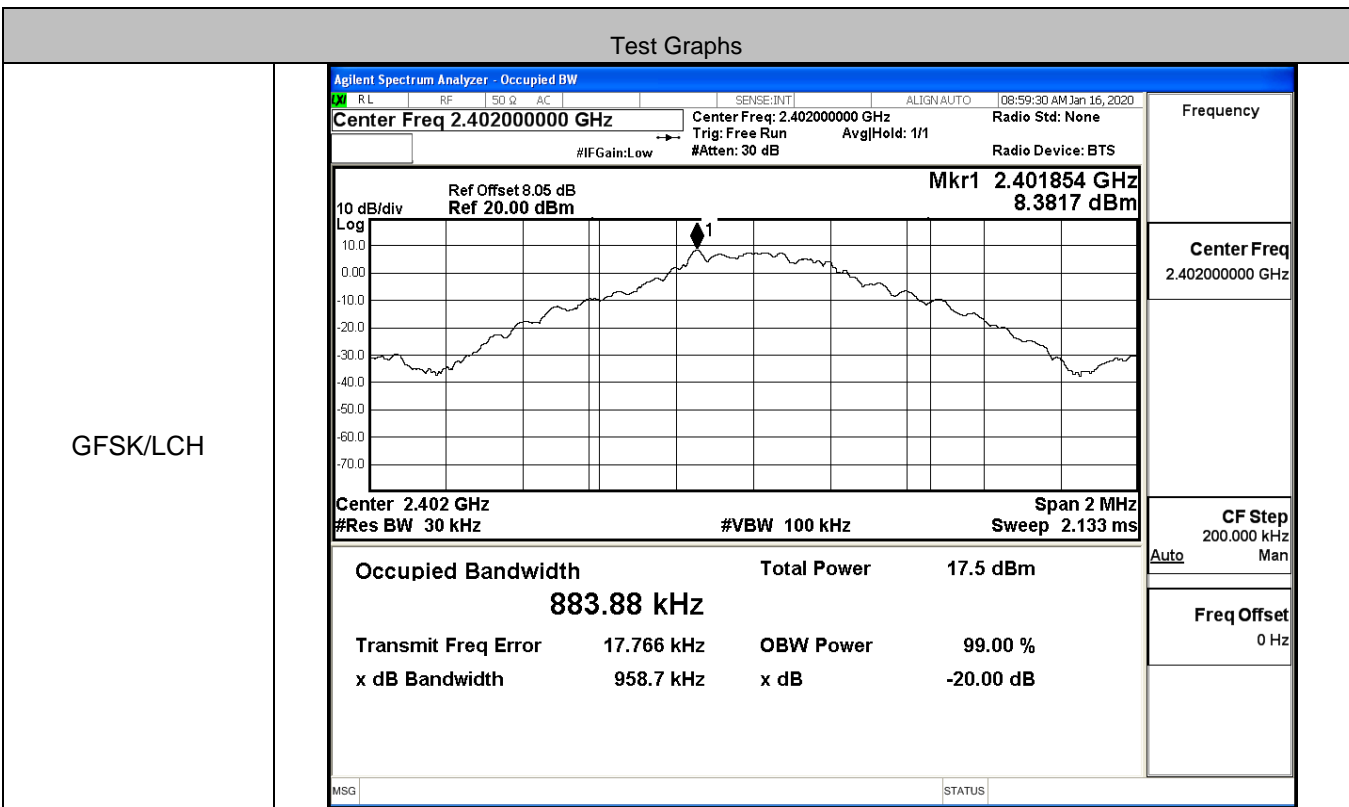


8DPSK/HCH

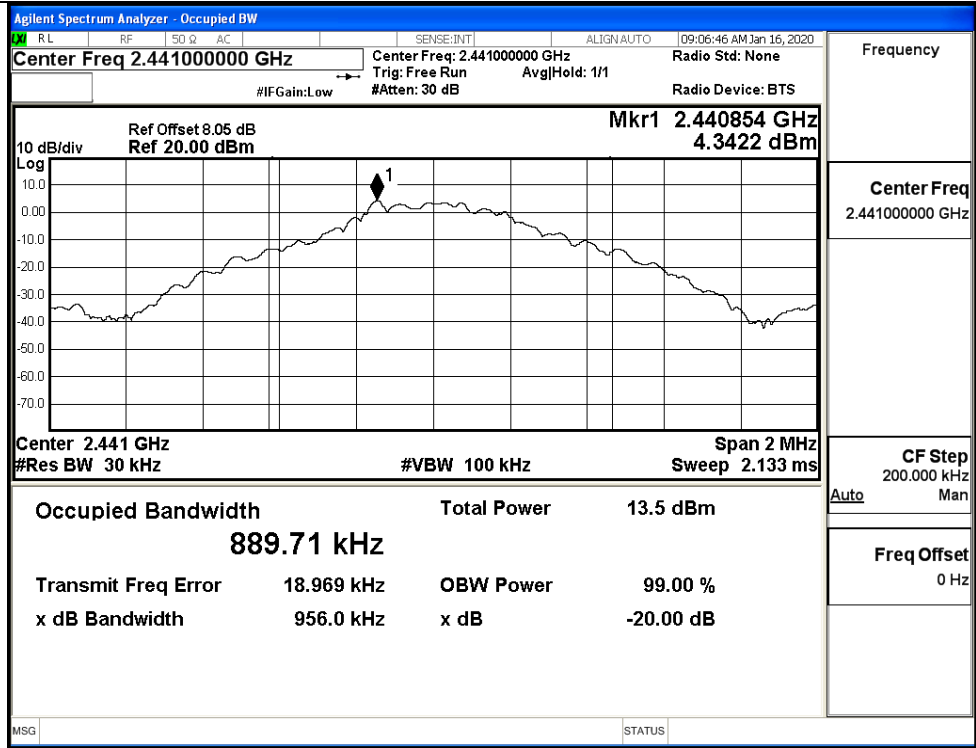


**A.2 20dB Bandwidth**

| Mode          | Channel. | 20dB Bandwidth [MHz] | Limit [MHz]   | Verdict |
|---------------|----------|----------------------|---------------|---------|
| GFSK          | LCH      | 0.9587               | Not Specified | PASS    |
|               | MCH      | 0.9560               | Not Specified | PASS    |
|               | HCH      | 0.9566               | Not Specified | PASS    |
| $\pi/4$ DQPSK | LCH      | 1.290                | Not Specified | PASS    |
|               | MCH      | 1.289                | Not Specified | PASS    |
|               | HCH      | 1.290                | Not Specified | PASS    |
| 8DPSK         | LCH      | 1.304                | Not Specified | PASS    |
|               | MCH      | 1.303                | Not Specified | PASS    |
|               | HCH      | 1.302                | Not Specified | PASS    |



GFSK/MCH



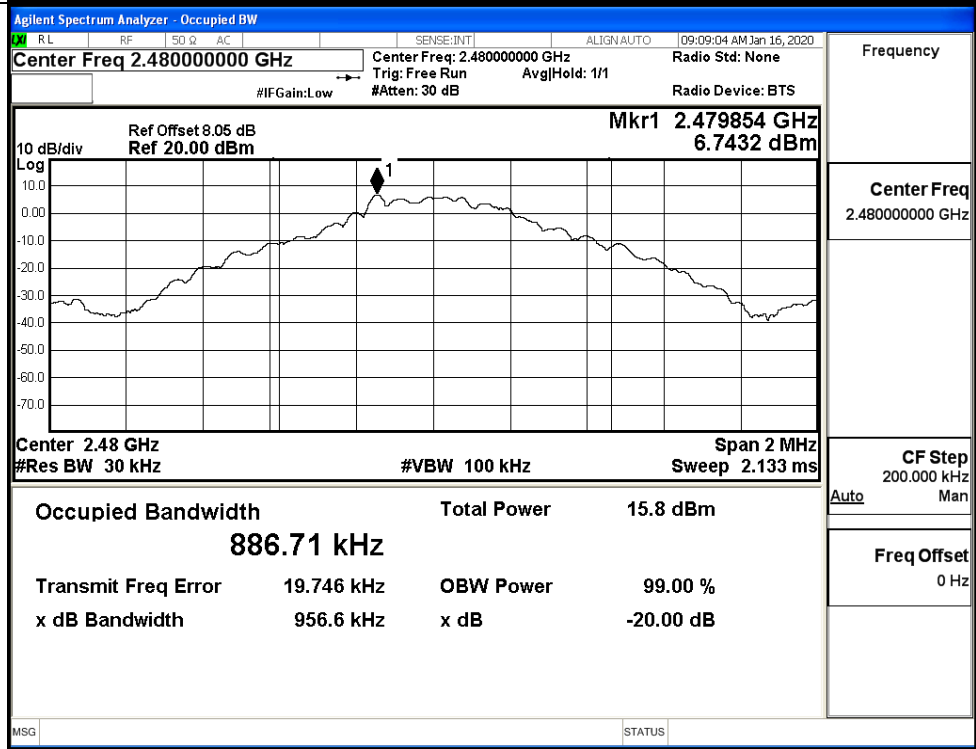
Frequency  
2.441000000 GHz

Center Freq  
2.441000000 GHz

CF Step  
200.000 kHz  
Auto Man

Freq Offset  
0 Hz

GFSK/HCH



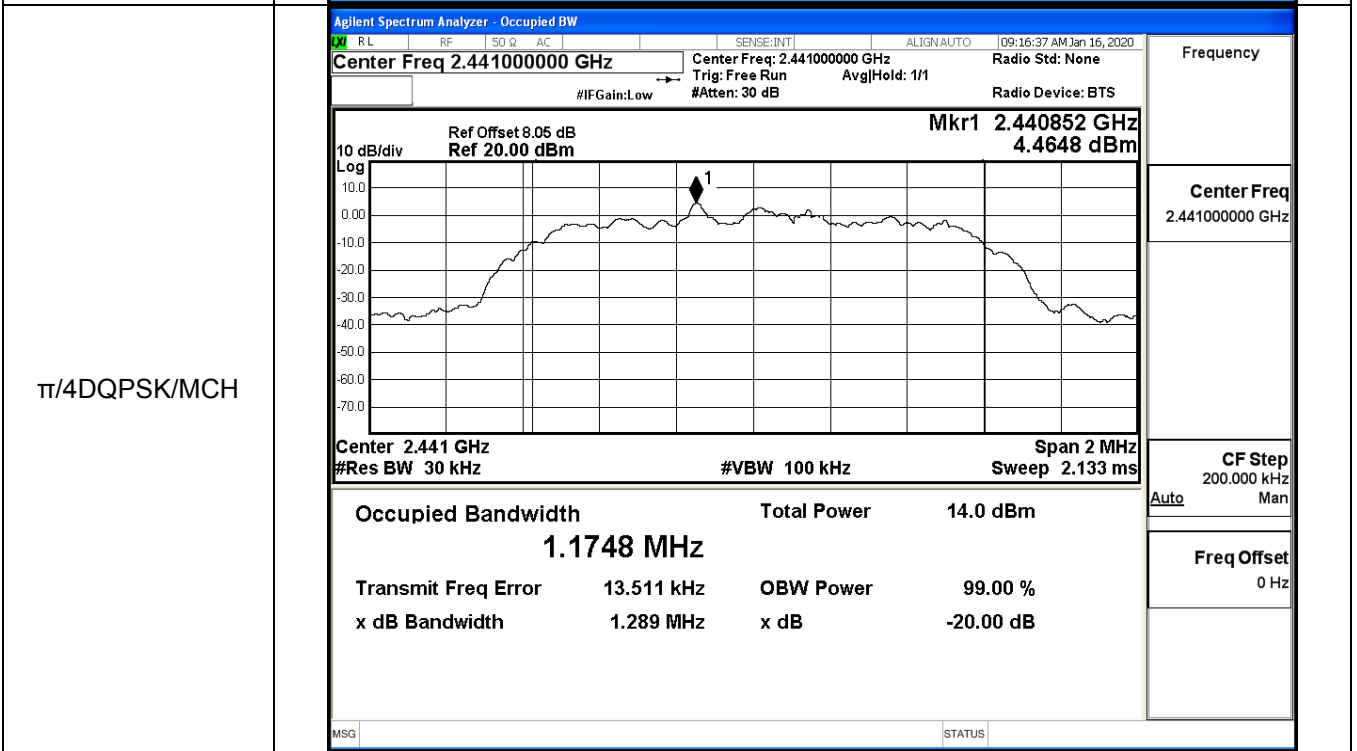
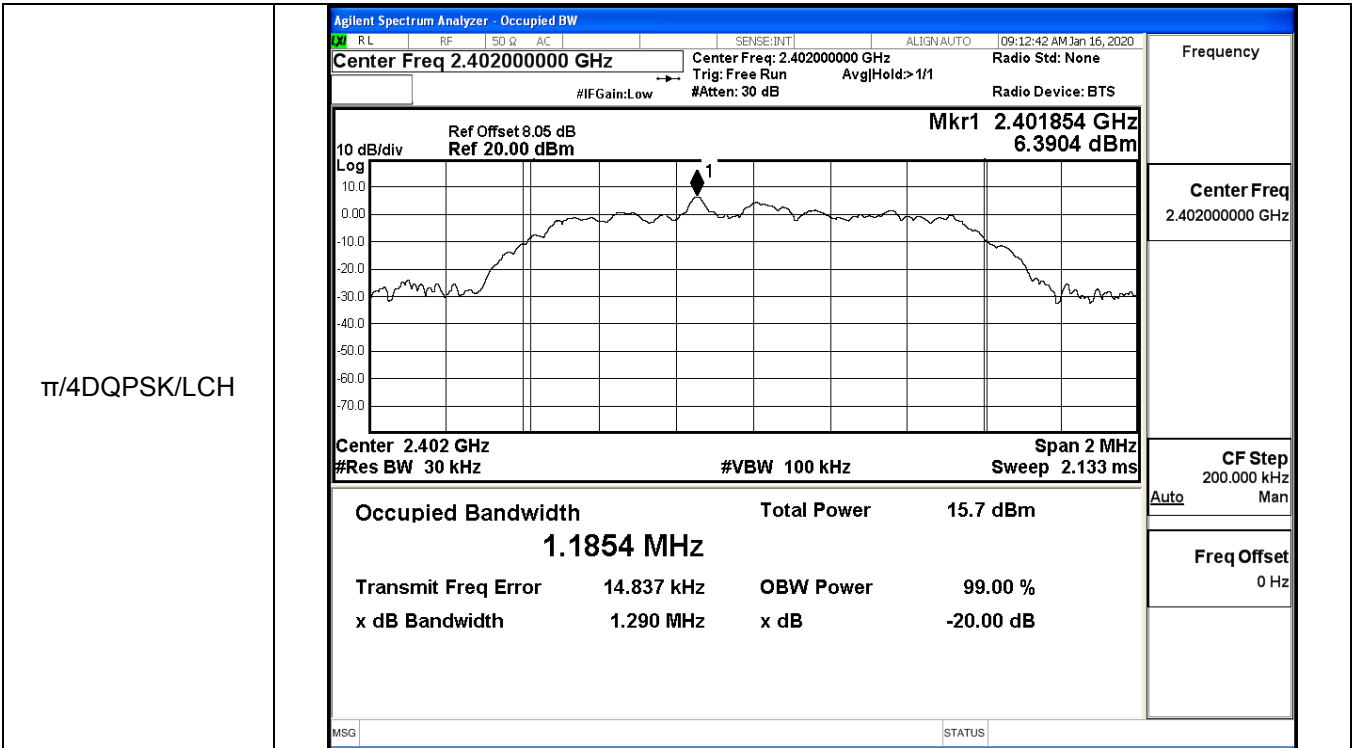
Frequency  
2.480000000 GHz

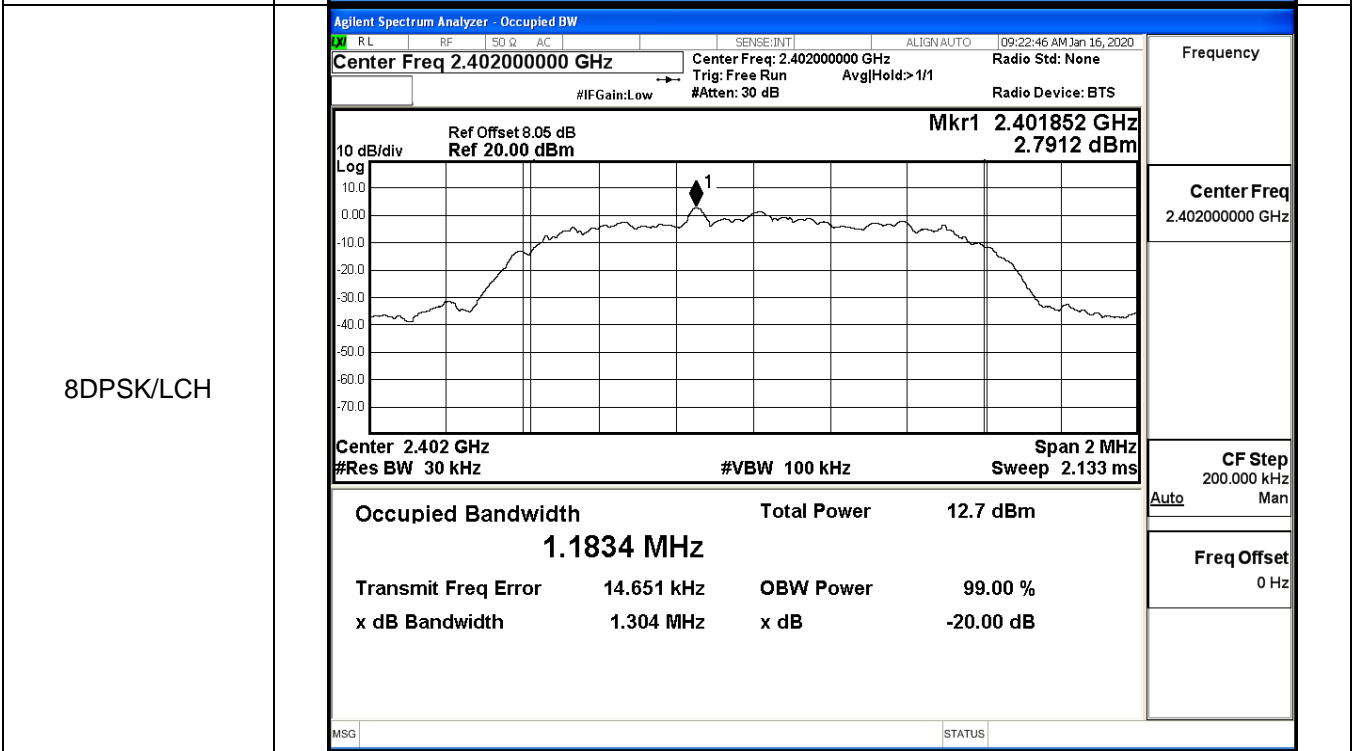
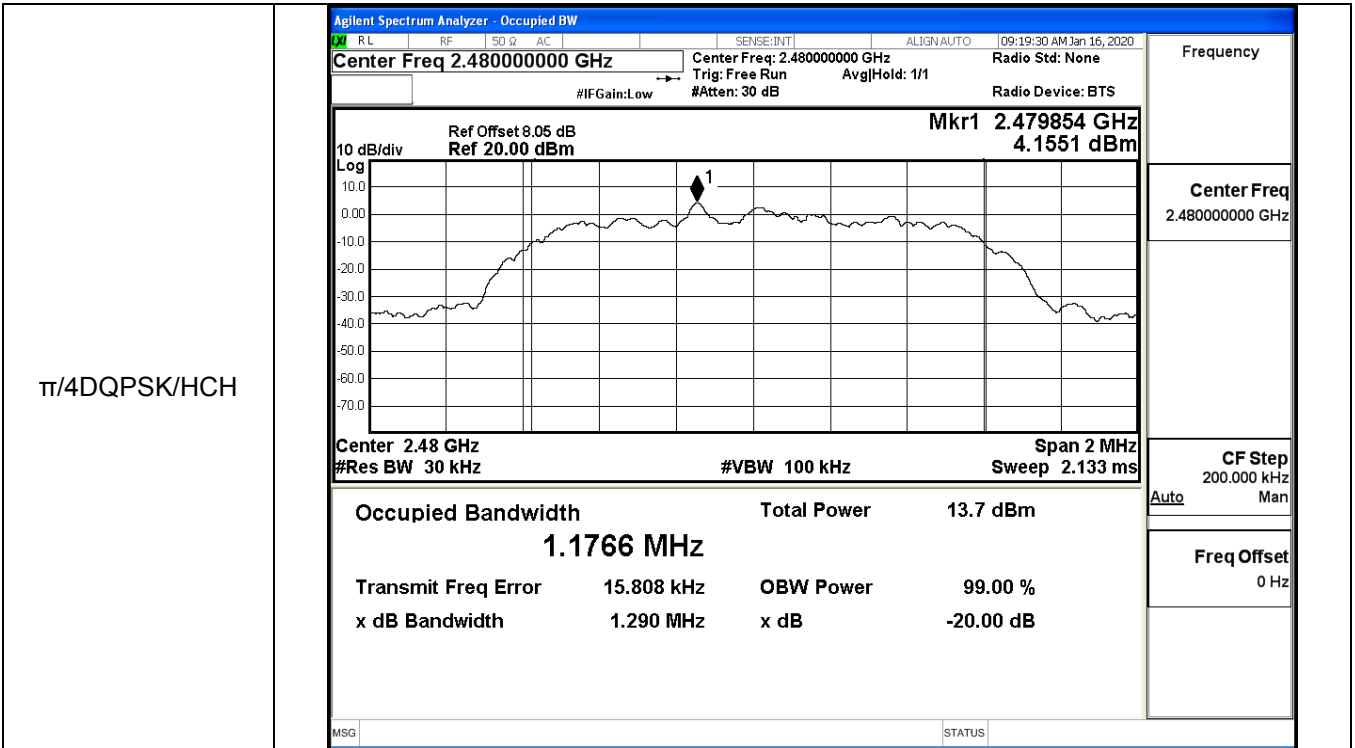
Center Freq  
2.480000000 GHz

CF Step  
200.000 kHz  
Auto Man

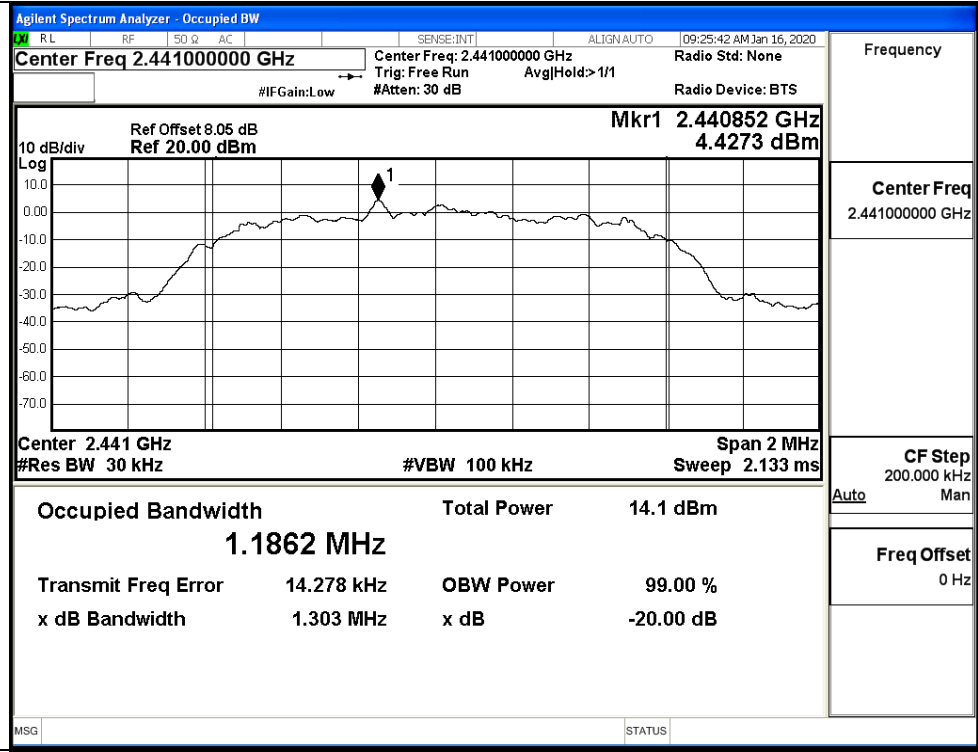
Freq Offset  
0 Hz





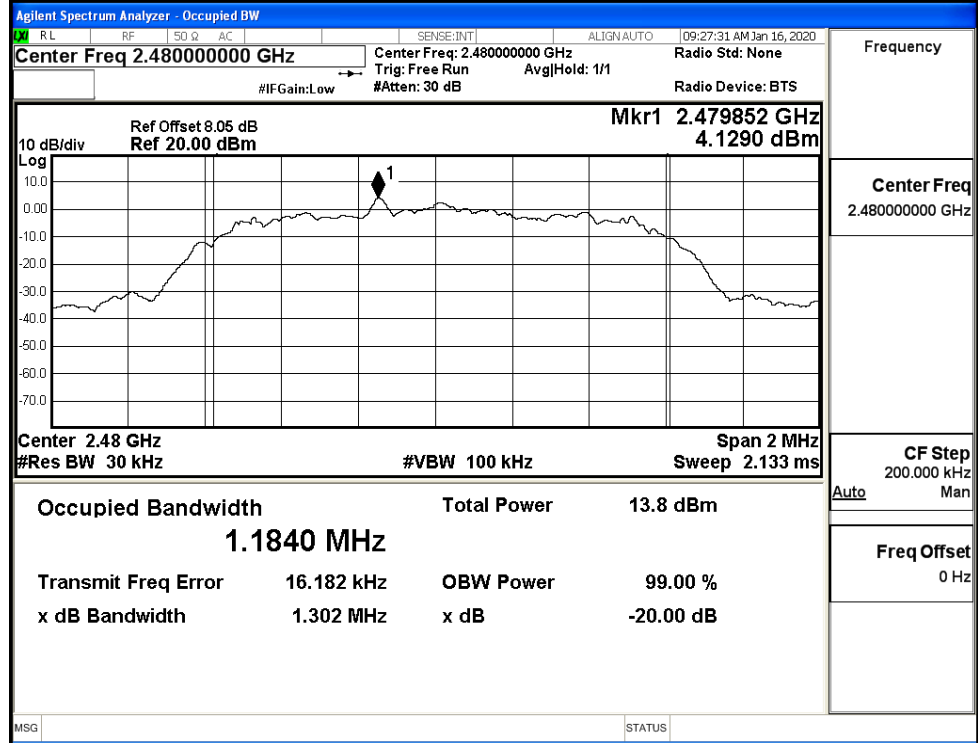


8DPSK/MCH



|             |                 |
|-------------|-----------------|
| Frequency   | 2.441000000 GHz |
| Center Freq | 2.441000000 GHz |
| CF Step     | 200.000 kHz     |
| Auto        | Man             |
| Freq Offset | 0 Hz            |

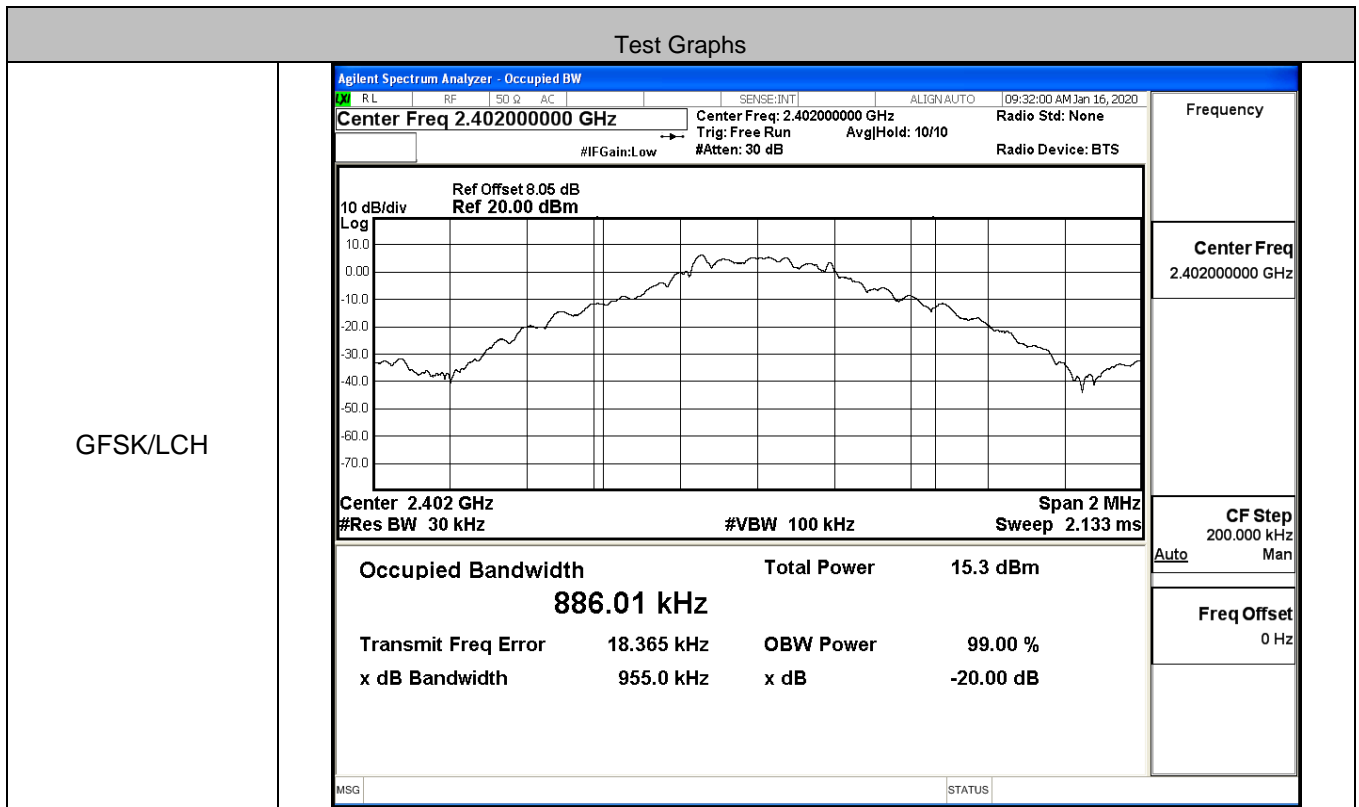
8DPSK/HCH



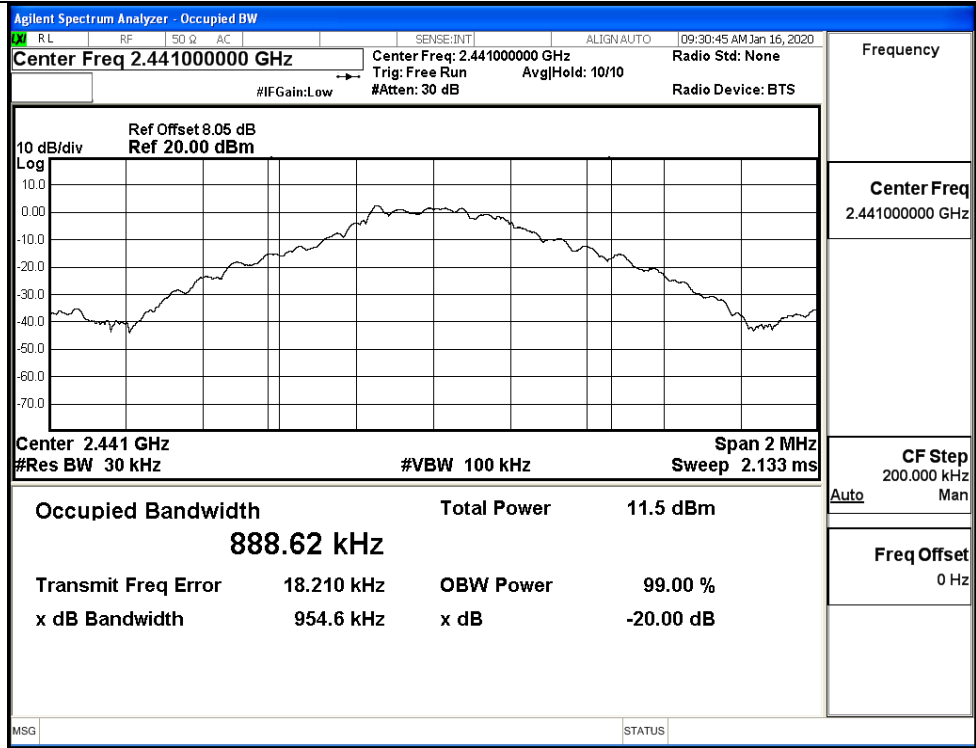
|             |                 |
|-------------|-----------------|
| Frequency   | 2.480000000 GHz |
| Center Freq | 2.480000000 GHz |
| CF Step     | 200.000 kHz     |
| Auto        | Man             |
| Freq Offset | 0 Hz            |

### A.3 Occupied Bandwidth

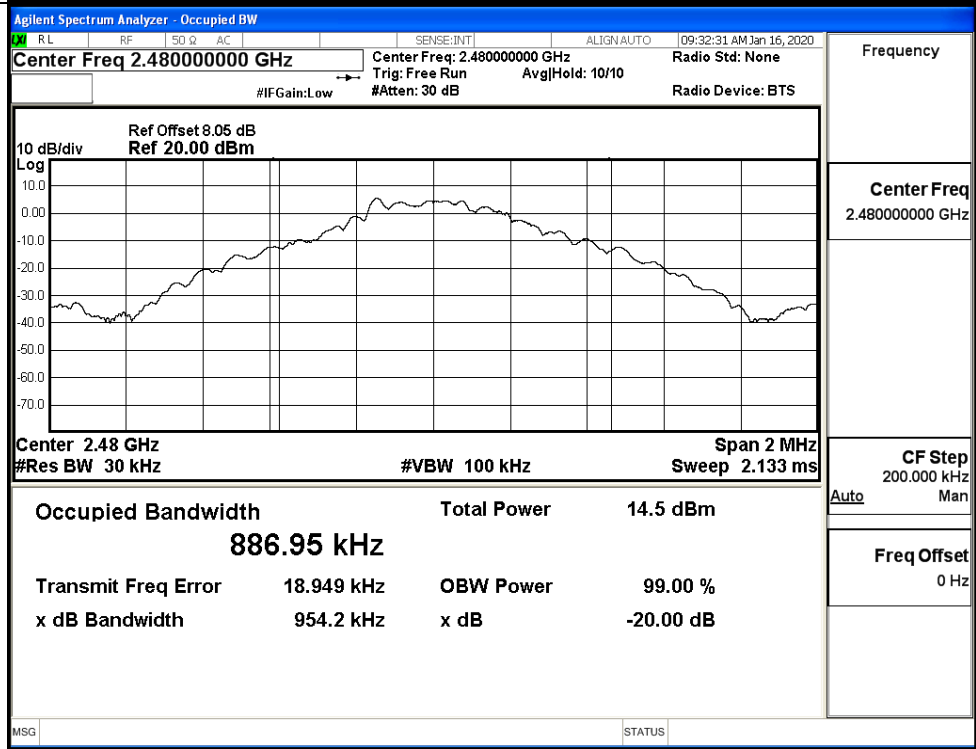
| Mode          | Channel. | Occupied Bandwidth [MHz] | Limit [MHz]   | Verdict |
|---------------|----------|--------------------------|---------------|---------|
| GFSK          | LCH      | 0.88601                  | Not Specified | PASS    |
|               | MCH      | 0.88862                  | Not Specified | PASS    |
|               | HCH      | 0.88695                  | Not Specified | PASS    |
| $\pi/4$ DQPSK | LCH      | 1.1861                   | Not Specified | PASS    |
|               | MCH      | 1.1799                   | Not Specified | PASS    |
|               | HCH      | 1.1801                   | Not Specified | PASS    |
| 8DPSK         | LCH      | 1.1919                   | Not Specified | PASS    |
|               | MCH      | 1.1887                   | Not Specified | PASS    |
|               | HCH      | 1.1889                   | Not Specified | PASS    |

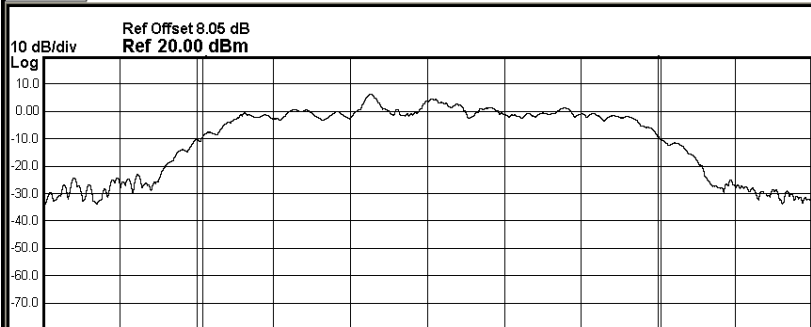


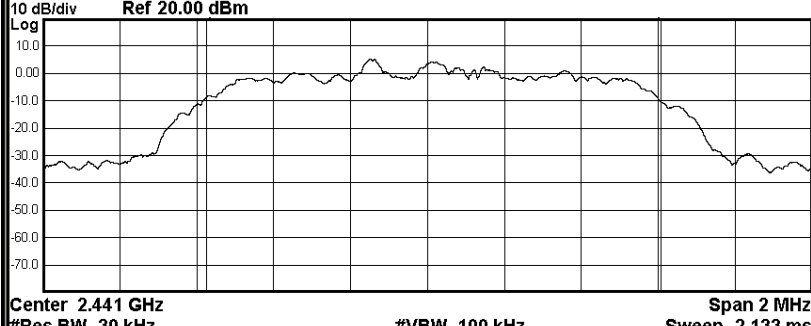
GFSK/MCH

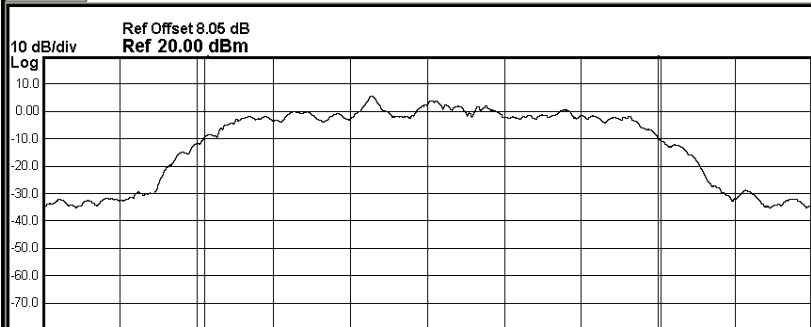


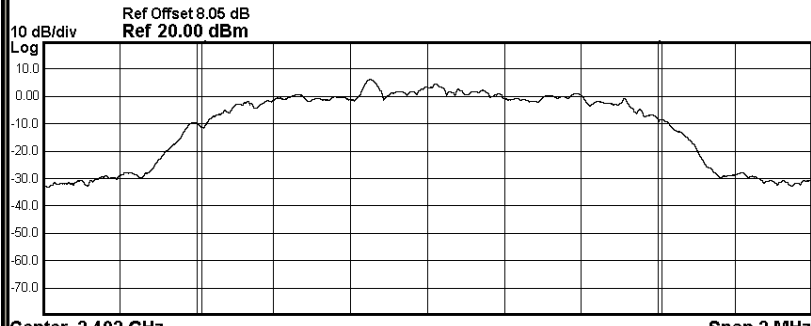
GFSK/HCH



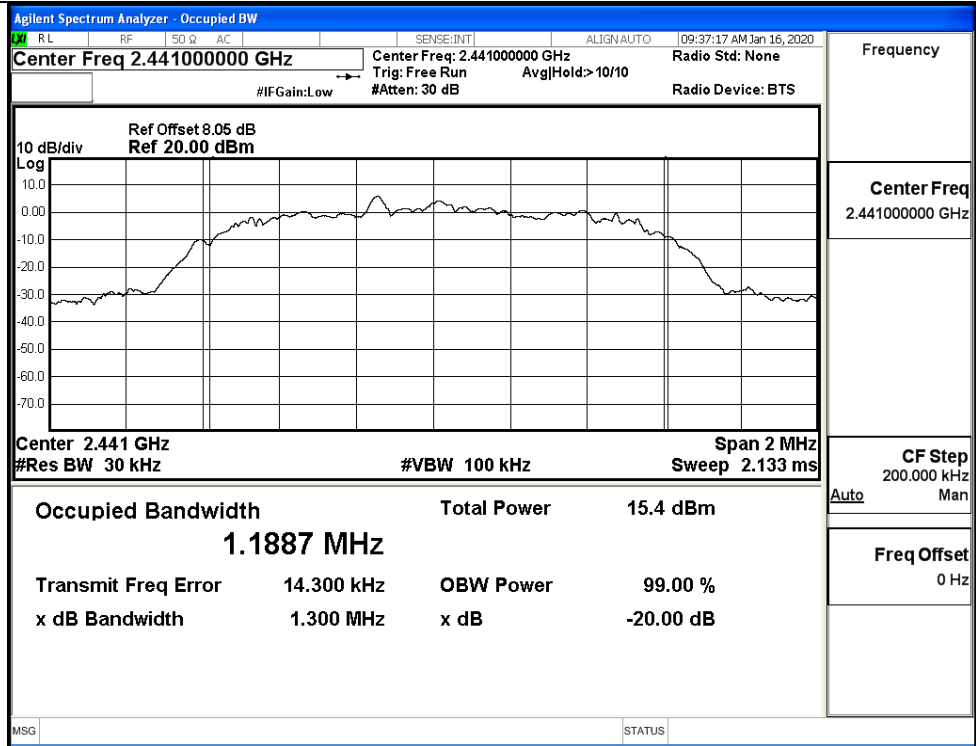
|                   |   |                                    |
|-------------------|---|------------------------------------|
| $\pi/4$ DQPSK/LCH | Agilent Spectrum Analyzer - Occupied BW<br>Center Freq 2.40200000 GHz<br>#IFGain:Low #Atten: 30 dB<br>Ref Offset 8.05 dB<br>Ref 20.00 dBm<br> Center 2.402 GHz Span 2 MHz<br>#Res BW 30 kHz #VBW 100 kHz Sweep 2.133 ms | Frequency<br>2.40200000 GHz        |
|                   | <b>Occupied Bandwidth</b> Total Power      15.5 dBm<br><b>1.1861 MHz</b>  | CF Step<br>200.000 kHz<br>Auto Man |
|                   | Transmit Freq Error      12.513 kHz      OBW Power      99.00 %<br>x dB Bandwidth      1.290 MHz      x dB      -20.00 dB   | Freq Offset<br>0 Hz                |
|                   | MSG      STATUS   |                                    |

|                   |   |                                    |
|-------------------|---|------------------------------------|
| $\pi/4$ DQPSK/MCH | Agilent Spectrum Analyzer - Occupied BW<br>Center Freq 2.44100000 GHz<br>#IFGain:Low #Atten: 30 dB<br>Ref Offset 8.05 dB<br>Ref 20.00 dBm<br> Center 2.441 GHz Span 2 MHz<br>#Res BW 30 kHz #VBW 100 kHz Sweep 2.133 ms | Frequency<br>2.44100000 GHz        |
|                   | <b>Occupied Bandwidth</b> Total Power      15.1 dBm<br><b>1.1799 MHz</b>  | CF Step<br>200.000 kHz<br>Auto Man |
|                   | Transmit Freq Error      16.022 kHz      OBW Power      99.00 %<br>x dB Bandwidth      1.321 MHz      x dB      -20.00 dB   | Freq Offset<br>0 Hz                |
|                   | MSG      STATUS   |                                    |

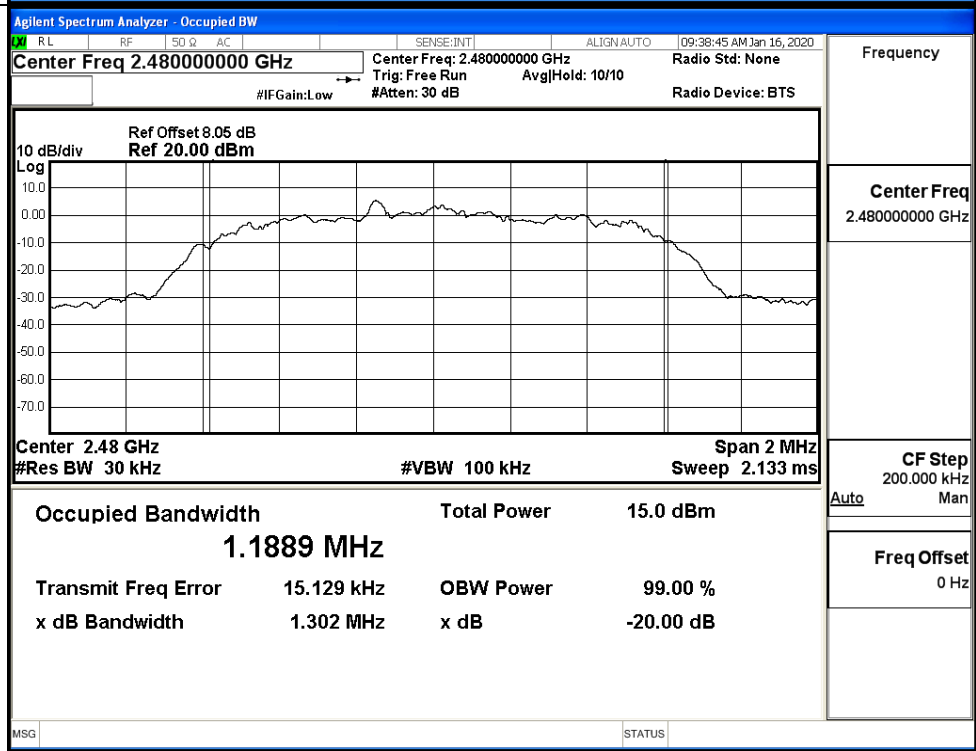
|                   |   |                                    |
|-------------------|---|------------------------------------|
| $\pi/4$ DQPSK/HCH | Agilent Spectrum Analyzer - Occupied BW<br>Center Freq 2.48000000 GHz<br>#IFGain: Low #Atten: 30 dB<br>Ref Offset 8.05 dB Ref 20.00 dBm<br> | Frequency<br>2.48000000 GHz        |
|                   | Center 2.48 GHz<br>#Res BW 30 kHz #VBW 100 kHz Span 2 MHz<br>Sweep 2.133 ms   | CF Step<br>200.000 kHz<br>Auto Man |
|                   | Occupied Bandwidth <b>1.1801 MHz</b><br>Total Power 14.9 dBm<br>Transmit Freq Error 15.884 kHz OBW Power 99.00 %<br>x dB Bandwidth 1.288 MHz x dB -20.00 dB   | Freq Offset<br>0 Hz                |
|                   | MSG STATUS  |                                    |

|           |  |                                    |
|-----------|--|------------------------------------|
| 8DPSK/LCH | Agilent Spectrum Analyzer - Occupied BW<br>Center Freq 2.40200000 GHz<br>#IFGain: Low #Atten: 30 dB<br>Ref Offset 8.05 dB Ref 20.00 dBm<br> | Frequency<br>2.40200000 GHz        |
|           | Center 2.402 GHz<br>#Res BW 30 kHz #VBW 100 kHz Span 2 MHz<br>Sweep 2.133 ms   | CF Step<br>200.000 kHz<br>Auto Man |
|           | Occupied Bandwidth <b>1.1919 MHz</b><br>Total Power 15.7 dBm<br>Transmit Freq Error 11.998 kHz OBW Power 99.00 %<br>x dB Bandwidth 1.302 MHz x dB -20.00 dB  | Freq Offset<br>0 Hz                |
|           | MSG STATUS   |                                    |

8DPSK/MCH



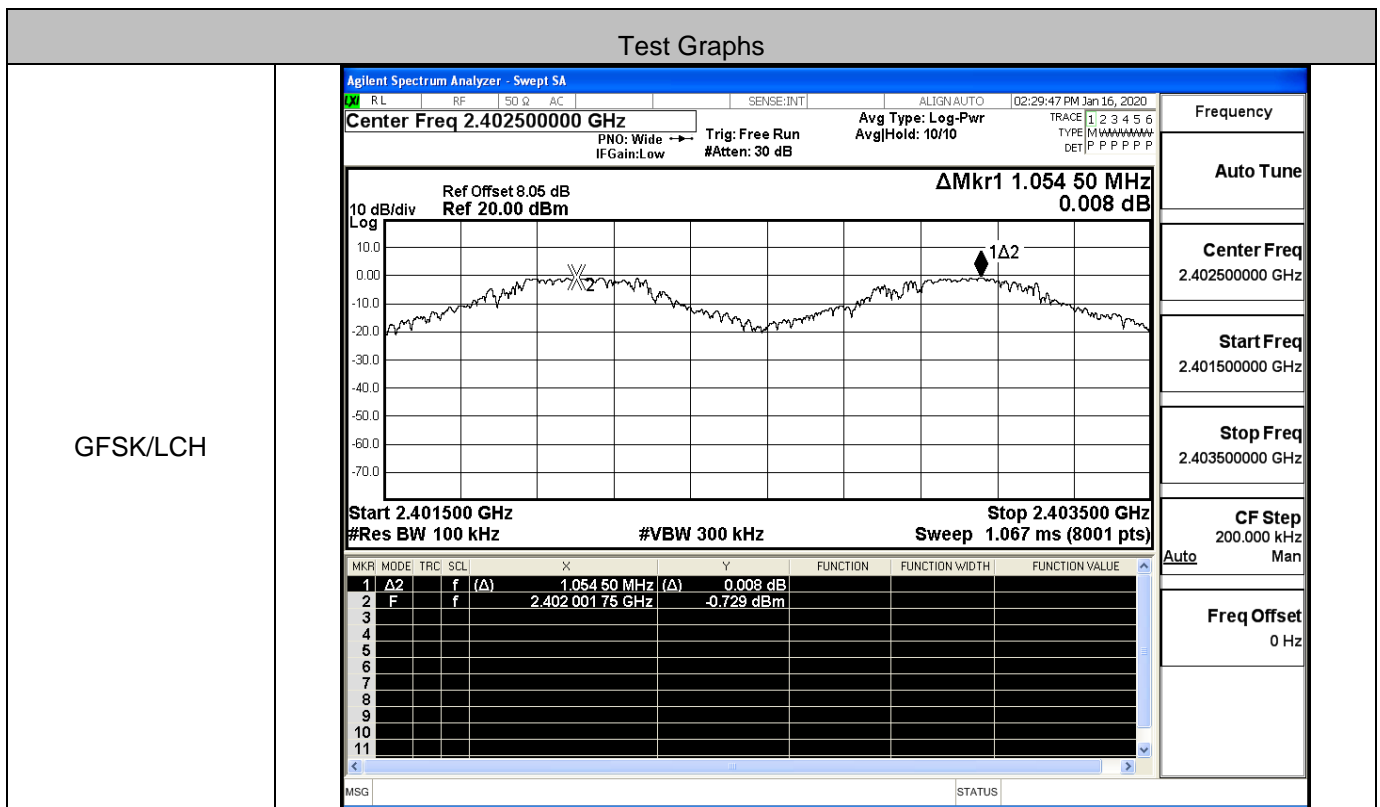
8DPSK/HCH



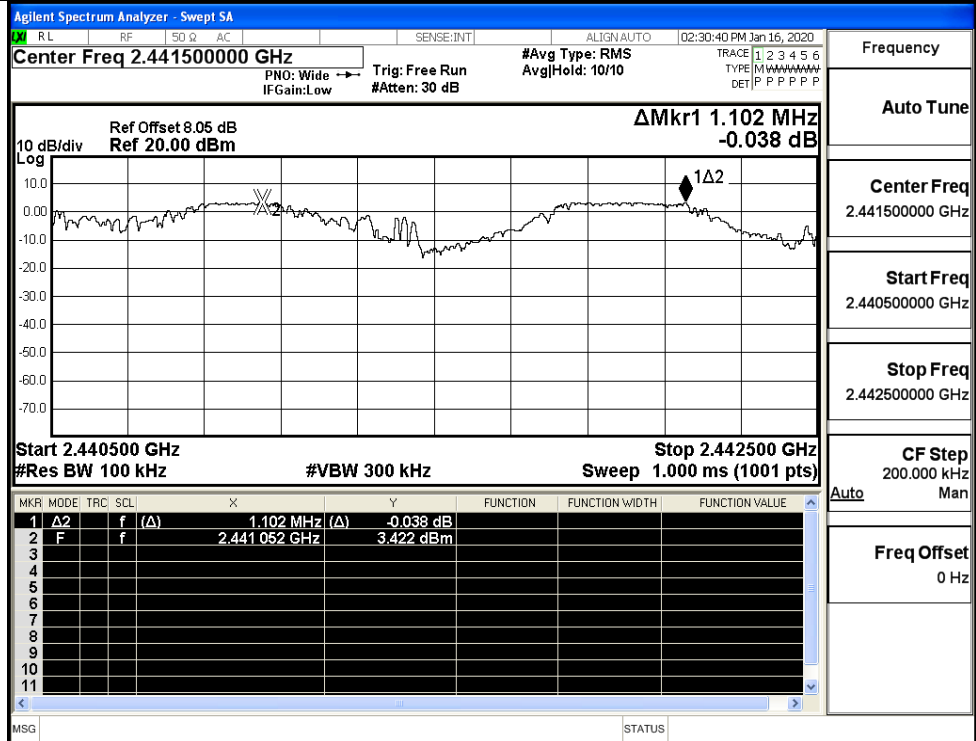


### A.4 Carrier Frequency Separation

| Mode          | Channel | Carrier Frequency Separation [MHz] | Limit [MHz] | Verdict |
|---------------|---------|------------------------------------|-------------|---------|
| GFSK          | LCH     | 1.055                              | 0.639       | PASS    |
|               | MCH     | 1.102                              | 0.639       | PASS    |
|               | HCH     | 1.106                              | 0.639       | PASS    |
| $\pi/4$ DQPSK | LCH     | 0.868                              | 0.860       | PASS    |
|               | MCH     | 1.120                              | 0.860       | PASS    |
|               | HCH     | 1.124                              | 0.860       | PASS    |
| 8DPSK         | LCH     | 1.236                              | 0.869       | PASS    |
|               | MCH     | 0.916                              | 0.869       | PASS    |
|               | HCH     | 1.096                              | 0.869       | PASS    |

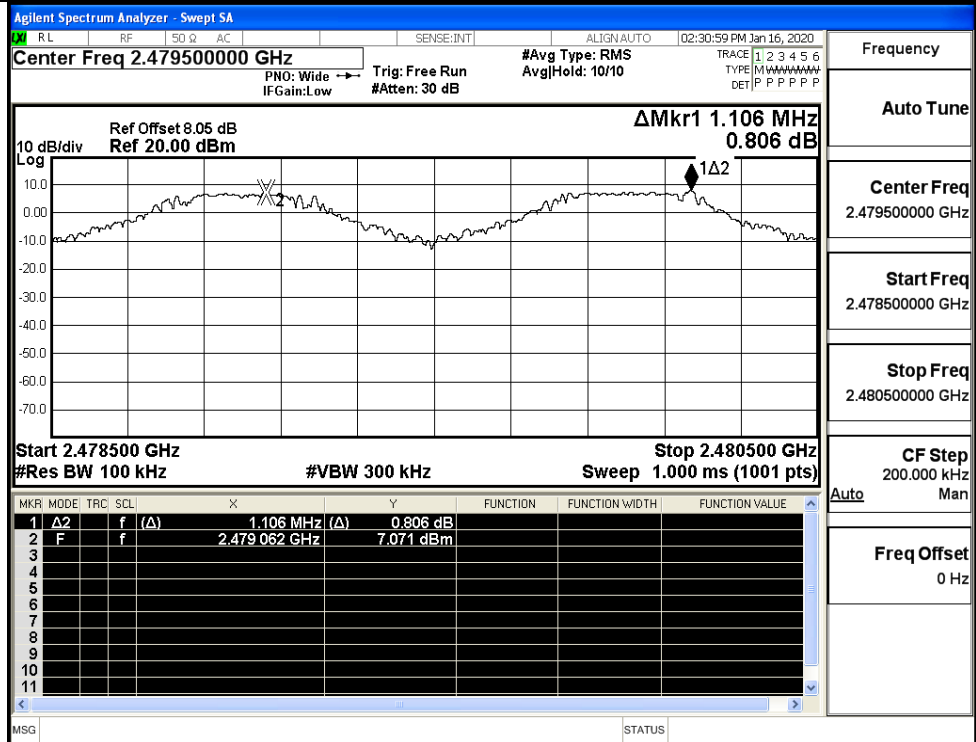


GFSK/MCH



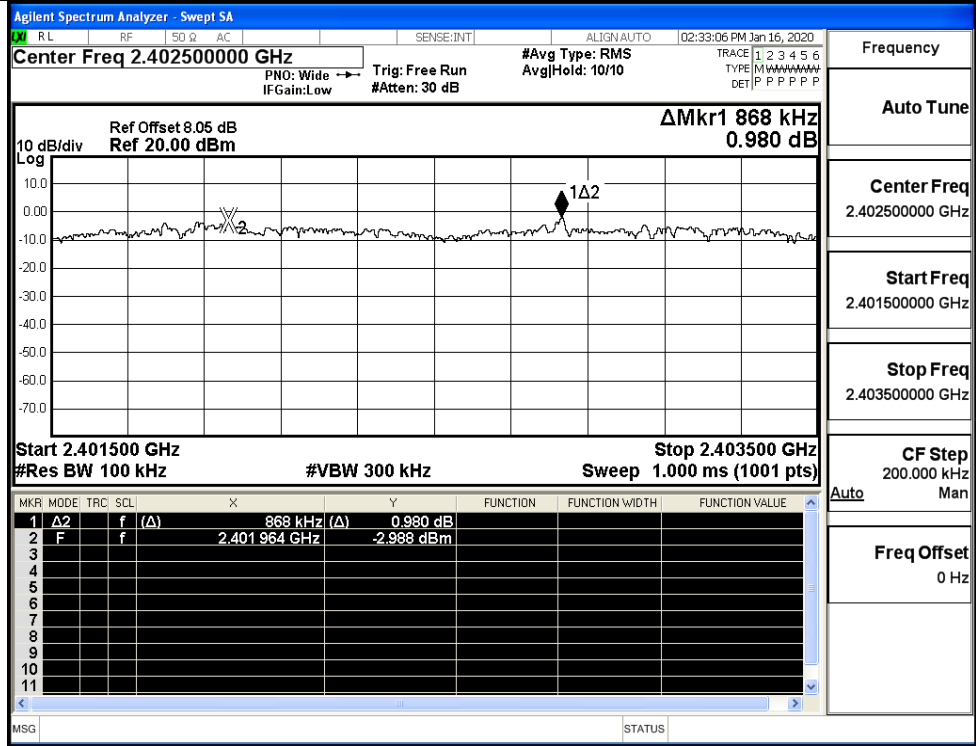
Frequency  
Auto Tune  
Center Freq  
2.441500000 GHz  
Start Freq  
2.440500000 GHz  
Stop Freq  
2.442500000 GHz  
CF Step  
200.000 kHz  
Auto  
Man  
Freq Offset  
0 Hz

GFSK/HCH

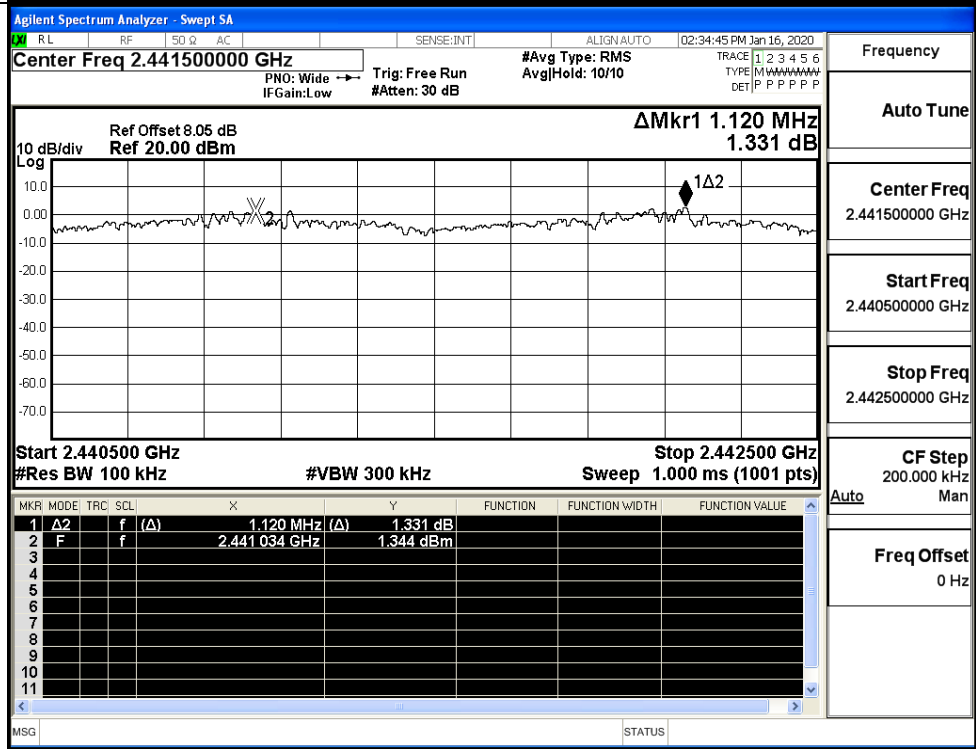


Frequency  
Auto Tune  
Center Freq  
2.479500000 GHz  
Start Freq  
2.478500000 GHz  
Stop Freq  
2.480500000 GHz  
CF Step  
200.000 kHz  
Auto  
Man  
Freq Offset  
0 Hz

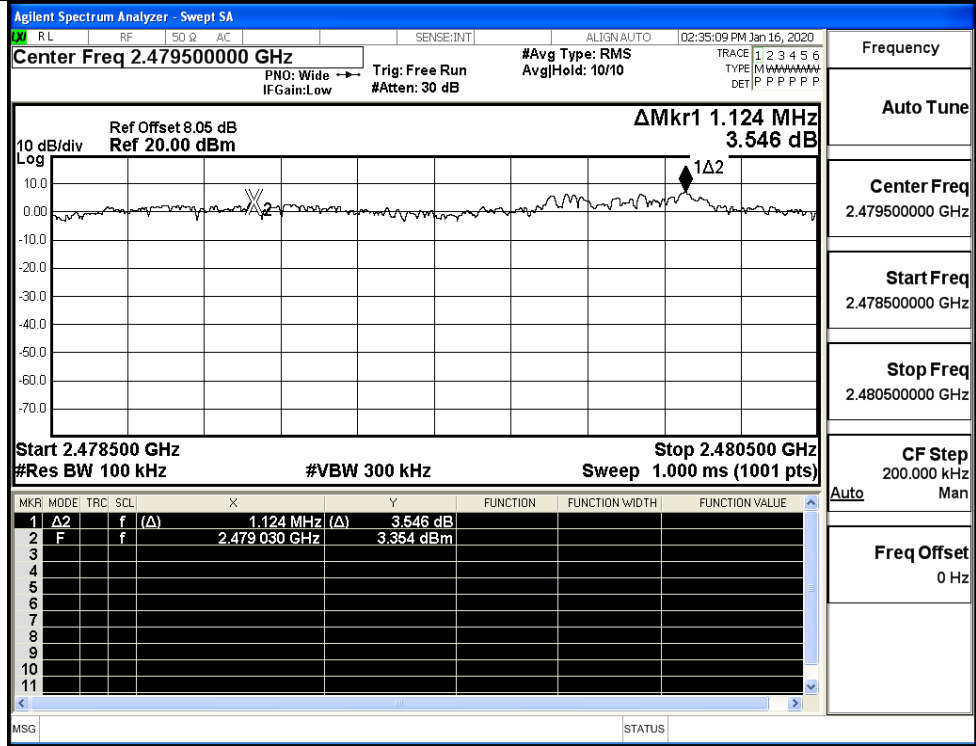
$\pi/4$ DQPSK/LCH



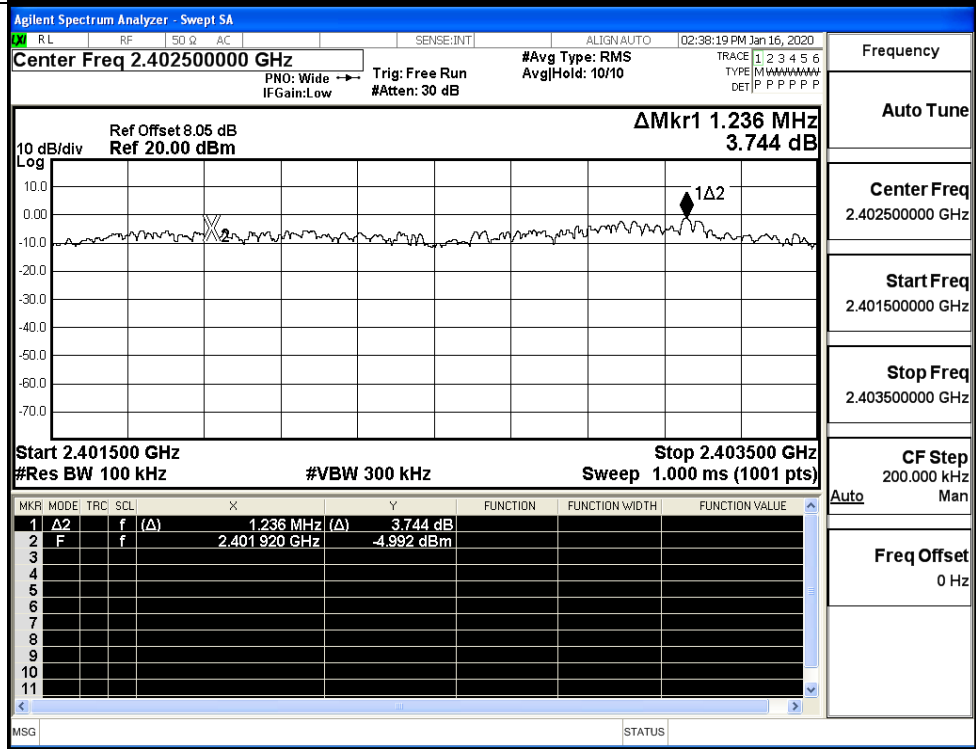
$\pi/4$ DQPSK/MCH



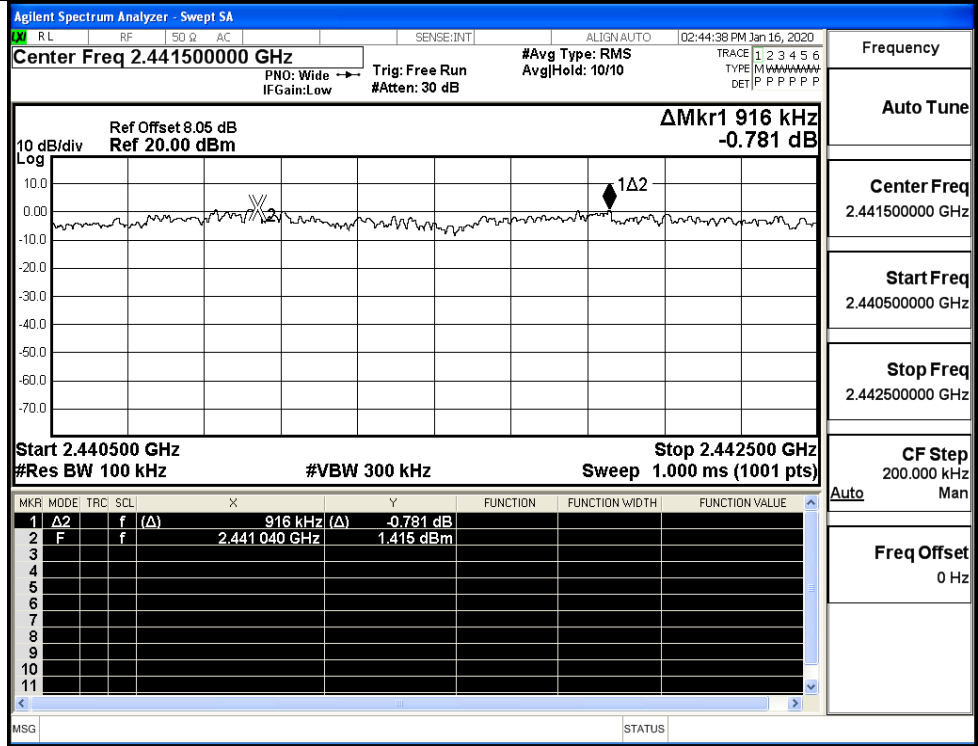
π/4DQPSK/HCH



8DPSK/LCH

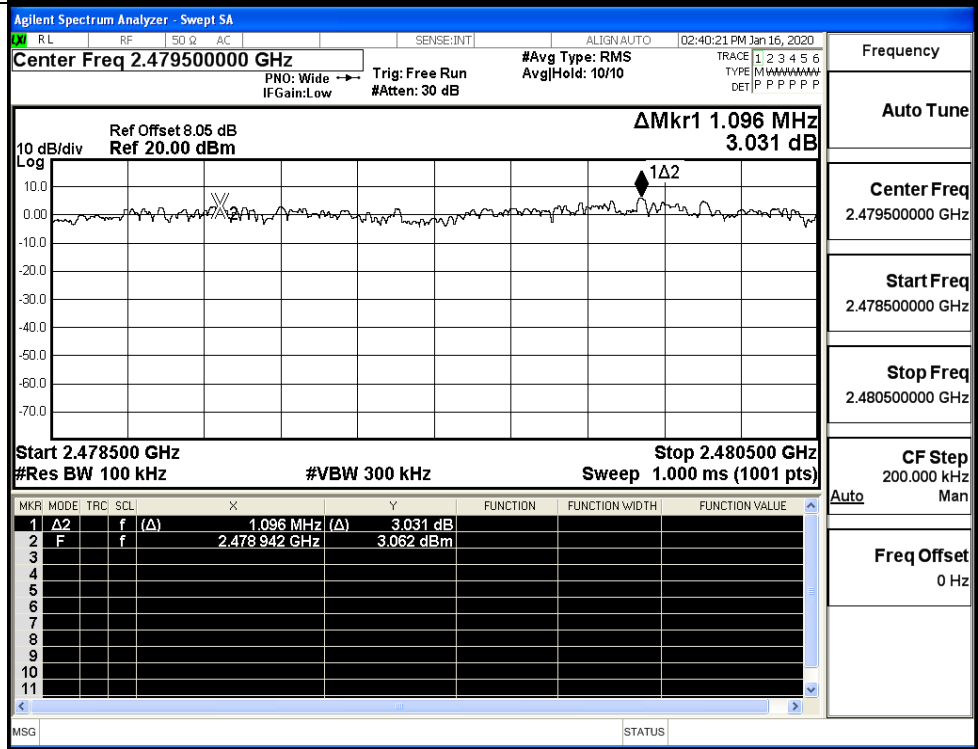


8DPSK/MCH



Frequency  
Auto Tune  
Center Freq  
2.441500000 GHz  
Start Freq  
2.440500000 GHz  
Stop Freq  
2.442500000 GHz  
CF Step  
200.000 kHz  
Auto  
Man  
Freq Offset  
0 Hz

8DPSK/HCH



Frequency  
Auto Tune  
Center Freq  
2.479500000 GHz  
Start Freq  
2.478500000 GHz  
Stop Freq  
2.480500000 GHz  
CF Step  
200.000 kHz  
Auto  
Man  
Freq Offset  
0 Hz

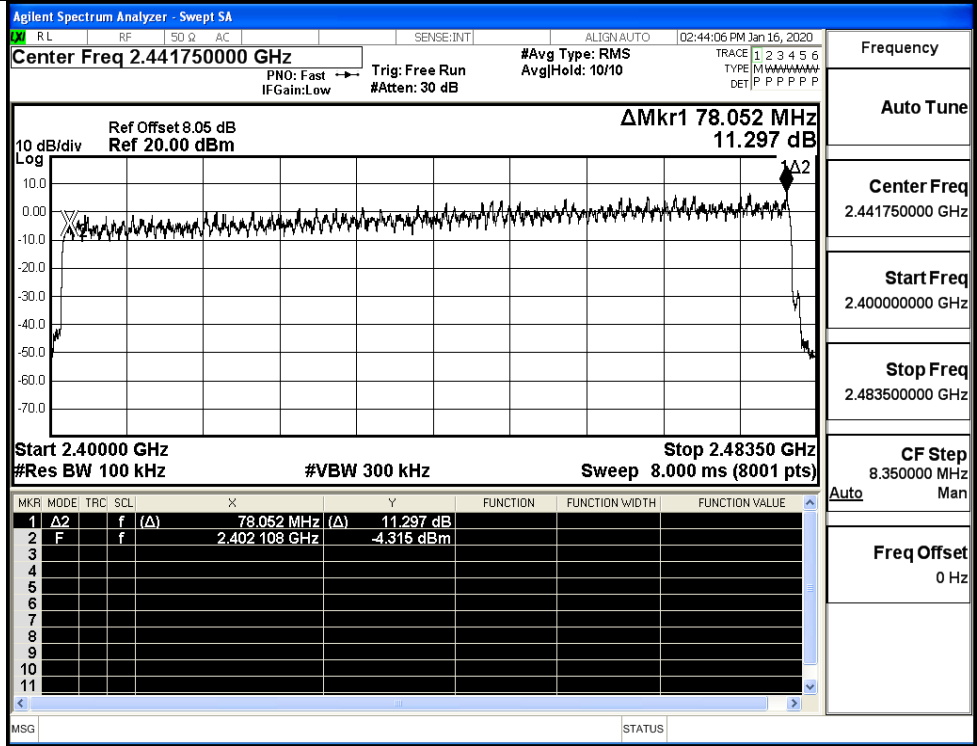
### A.5 Hopping Channel Number

| Mode          | Channel. | Number of Hopping Channel [N] | Limit [N] | Verdict |
|---------------|----------|-------------------------------|-----------|---------|
| GFSK          | Hop      | 79                            | >=15      | PASS    |
| $\pi/4$ DQPSK | Hop      | 79                            | >=15      | PASS    |
| 8DPSK         | Hop      | 79                            | >=15      | PASS    |

**Test Graphs**

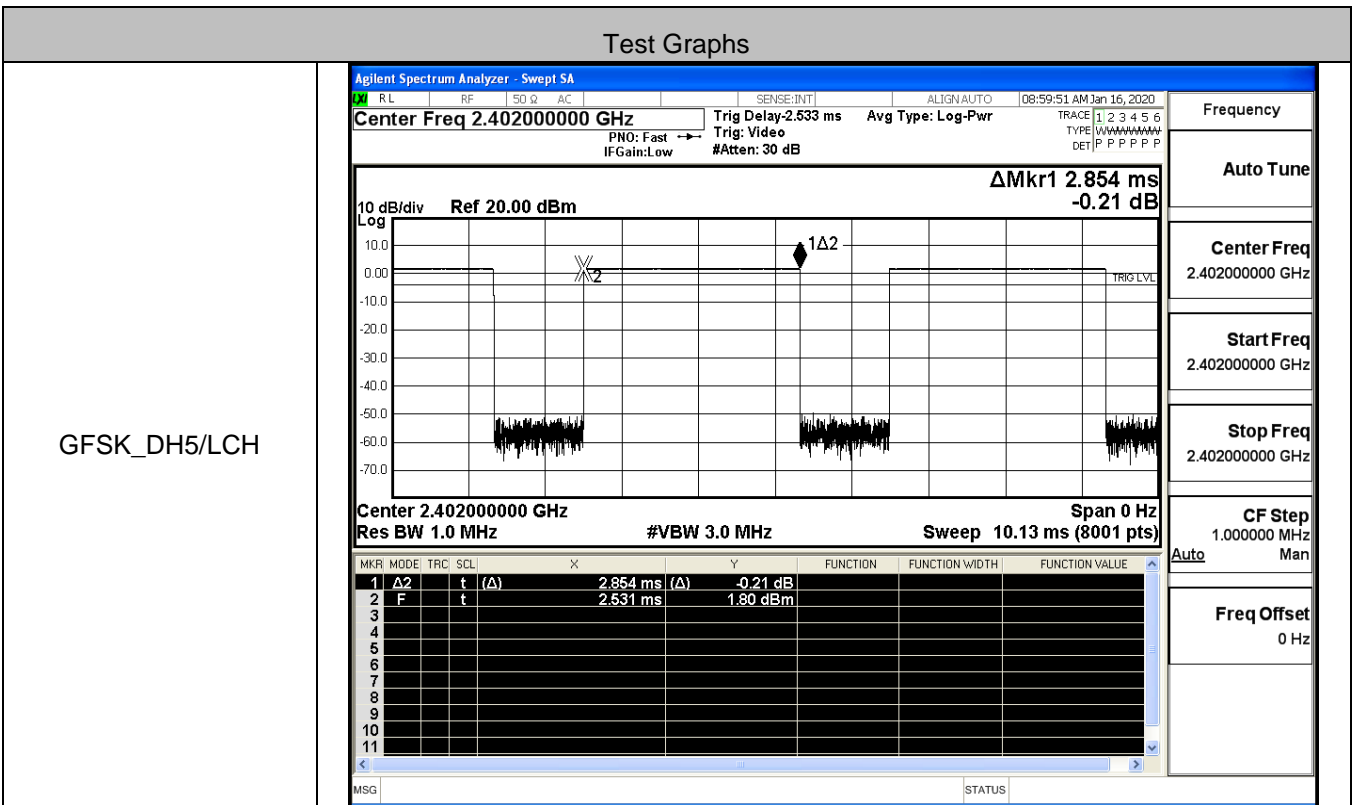
| GFSK/Hop          | <p><b>Agilent Spectrum Analyzer - Swept SA</b><br/>                 Center Freq 2.441750000 GHz<br/>                 #Avg Type: RMS AvgHold: 10/10<br/>                 Ref Offset 8.05 dB Ref 20.00 dBm<br/>                 PNO: Fast IF Gain: Low Trig: Free Run #Atten: 30 dB<br/>                 ΔMkr1 77.916 MHz 8.421 dB<br/>                 Start 2.40000 GHz Stop 2.48350 GHz<br/>                 #Res BW 100 kHz #VBW 300 kHz Sweep 8.000 ms (8001 pts)</p> <table border="1" style="width: 100%; border-collapse: collapse; font-size: small;"> <thead> <tr> <th>MKR</th> <th>MODE</th> <th>TRC</th> <th>SCL</th> <th>X</th> <th>Y</th> <th>FUNCTION</th> <th>FUNCTION WIDTH</th> <th>FUNCTION VALUE</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Δ2</td> <td>f</td> <td>(Δ)</td> <td>77.916 MHz (Δ)</td> <td>8.421 dB</td> <td></td> <td></td> <td></td> </tr> <tr> <td>2</td> <td>F</td> <td>f</td> <td>(Δ)</td> <td>2.402046 GHz</td> <td>-0.791 dBm</td> <td></td> <td></td> <td></td> </tr> </tbody> </table> | MKR | MODE | TRC            | SCL        | X        | Y              | FUNCTION       | FUNCTION WIDTH | FUNCTION VALUE | 1 | Δ2 | f | (Δ) | 77.916 MHz (Δ) | 8.421 dB |  |  |  | 2 | F | f | (Δ) | 2.402046 GHz | -0.791 dBm |  |  |  |
|-------------------|---|-----|------|----------------|------------|----------|----------------|----------------|----------------|----------------|---|----|---|-----|----------------|----------|--|--|--|---|---|---|-----|--------------|------------|--|--|--|
| MKR               | MODE  | TRC | SCL  | X              | Y          | FUNCTION | FUNCTION WIDTH | FUNCTION VALUE |                |                |   |    |   |     |                |          |  |  |  |   |   |   |     |              |            |  |  |  |
| 1                 | Δ2  | f   | (Δ)  | 77.916 MHz (Δ) | 8.421 dB   |          |                |                |                |                |   |    |   |     |                |          |  |  |  |   |   |   |     |              |            |  |  |  |
| 2                 | F   | f   | (Δ)  | 2.402046 GHz   | -0.791 dBm |          |                |                |                |                |   |    |   |     |                |          |  |  |  |   |   |   |     |              |            |  |  |  |
| $\pi/4$ DQPSK/Hop | <p><b>Agilent Spectrum Analyzer - Swept SA</b><br/>                 Center Freq 2.441750000 GHz<br/>                 #Avg Type: RMS AvgHold: 10/10<br/>                 Ref Offset 8.05 dB Ref 20.00 dBm<br/>                 PNO: Fast IF Gain: Low Trig: Free Run #Atten: 30 dB<br/>                 ΔMkr1 78.229 MHz 8.781 dB<br/>                 Start 2.40000 GHz Stop 2.48350 GHz<br/>                 #Res BW 100 kHz #VBW 300 kHz Sweep 8.000 ms (8001 pts)</p> <table border="1" style="width: 100%; border-collapse: collapse; font-size: small;"> <thead> <tr> <th>MKR</th> <th>MODE</th> <th>TRC</th> <th>SCL</th> <th>X</th> <th>Y</th> <th>FUNCTION</th> <th>FUNCTION WIDTH</th> <th>FUNCTION VALUE</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Δ2</td> <td>f</td> <td>(Δ)</td> <td>78.229 MHz (Δ)</td> <td>8.781 dB</td> <td></td> <td></td> <td></td> </tr> <tr> <td>2</td> <td>F</td> <td>f</td> <td>(Δ)</td> <td>2.401816 GHz</td> <td>-4.674 dBm</td> <td></td> <td></td> <td></td> </tr> </tbody> </table> | MKR | MODE | TRC            | SCL        | X        | Y              | FUNCTION       | FUNCTION WIDTH | FUNCTION VALUE | 1 | Δ2 | f | (Δ) | 78.229 MHz (Δ) | 8.781 dB |  |  |  | 2 | F | f | (Δ) | 2.401816 GHz | -4.674 dBm |  |  |  |
| MKR               | MODE  | TRC | SCL  | X              | Y          | FUNCTION | FUNCTION WIDTH | FUNCTION VALUE |                |                |   |    |   |     |                |          |  |  |  |   |   |   |     |              |            |  |  |  |
| 1                 | Δ2  | f   | (Δ)  | 78.229 MHz (Δ) | 8.781 dB   |          |                |                |                |                |   |    |   |     |                |          |  |  |  |   |   |   |     |              |            |  |  |  |
| 2                 | F   | f   | (Δ)  | 2.401816 GHz   | -4.674 dBm |          |                |                |                |                |   |    |   |     |                |          |  |  |  |   |   |   |     |              |            |  |  |  |

8DPSK/Hop



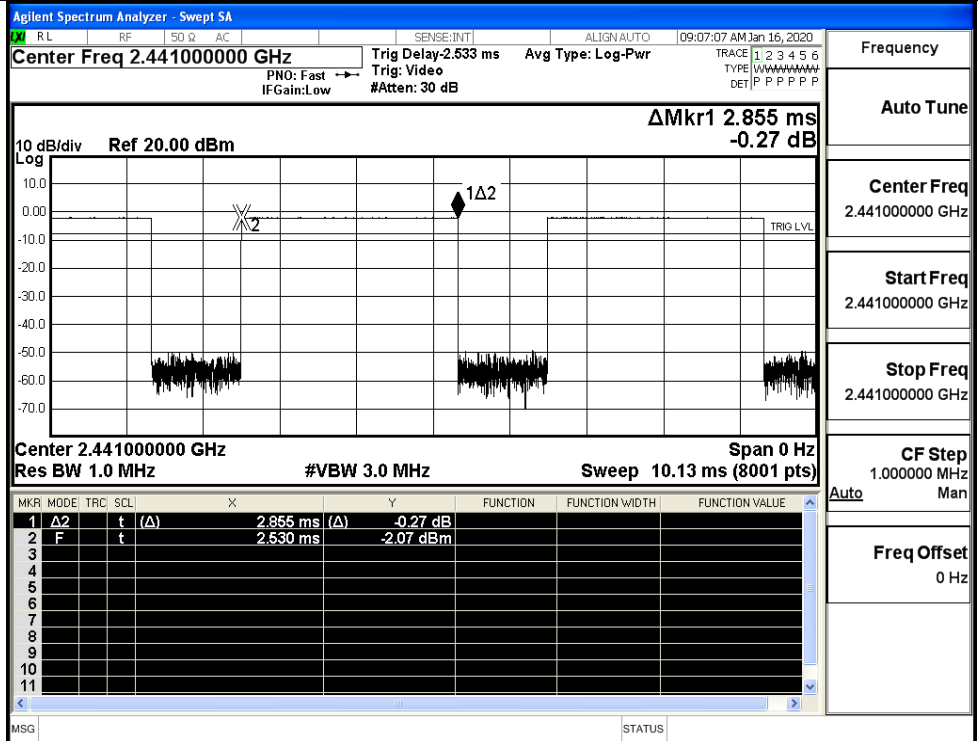
**A.6 Dwell Time**

| Mode     | Packet | Channel | Burst Width [ms/hop/ch] | Total Hops[hop*ch] | Dwell Time[s] | Limit [s] | Verdict |
|----------|--------|---------|-------------------------|--------------------|---------------|-----------|---------|
| GFSK     | DH5    | LCH     | 2.85                    | 106.7              | 0.304         | 0.4       | PASS    |
|          | DH5    | MCH     | 2.86                    | 106.7              | 0.305         | 0.4       | PASS    |
|          | DH5    | HCH     | 2.85                    | 106.7              | 0.304         | 0.4       | PASS    |
| π/4DQPSK | 2DH5   | LCH     | 2.85                    | 106.7              | 0.306         | 0.4       | PASS    |
|          | 2DH5   | MCH     | 2.86                    | 106.7              | 0.306         | 0.4       | PASS    |
|          | 2DH5   | HCH     | 2.85                    | 106.7              | 0.306         | 0.4       | PASS    |
| 8DPSK    | 3DH5   | LCH     | 2.85                    | 106.7              | 0.306         | 0.4       | PASS    |
|          | 3DH5   | MCH     | 2.86                    | 106.7              | 0.306         | 0.4       | PASS    |
|          | 3DH5   | HCH     | 2.85                    | 106.7              | 0.306         | 0.4       | PASS    |

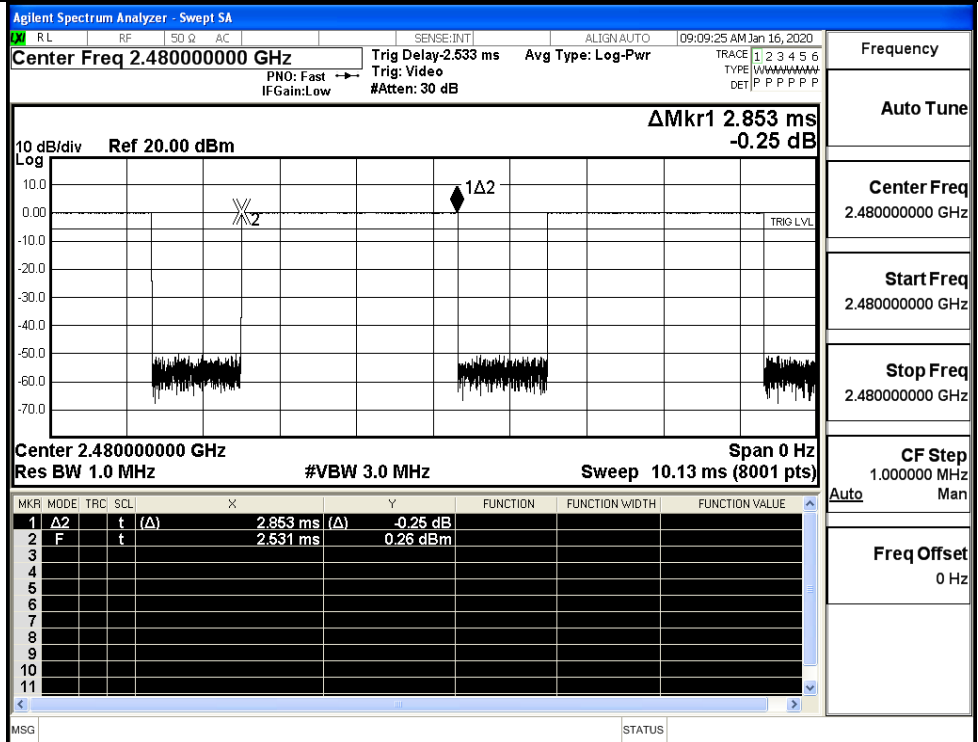




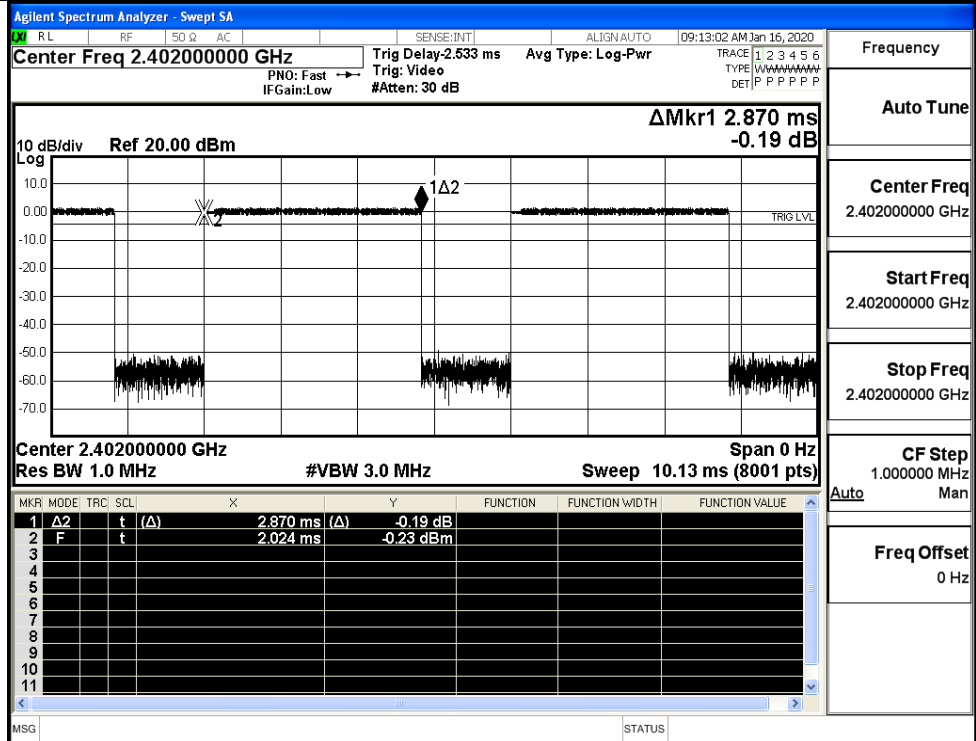
GFSK\_DH5/MCH



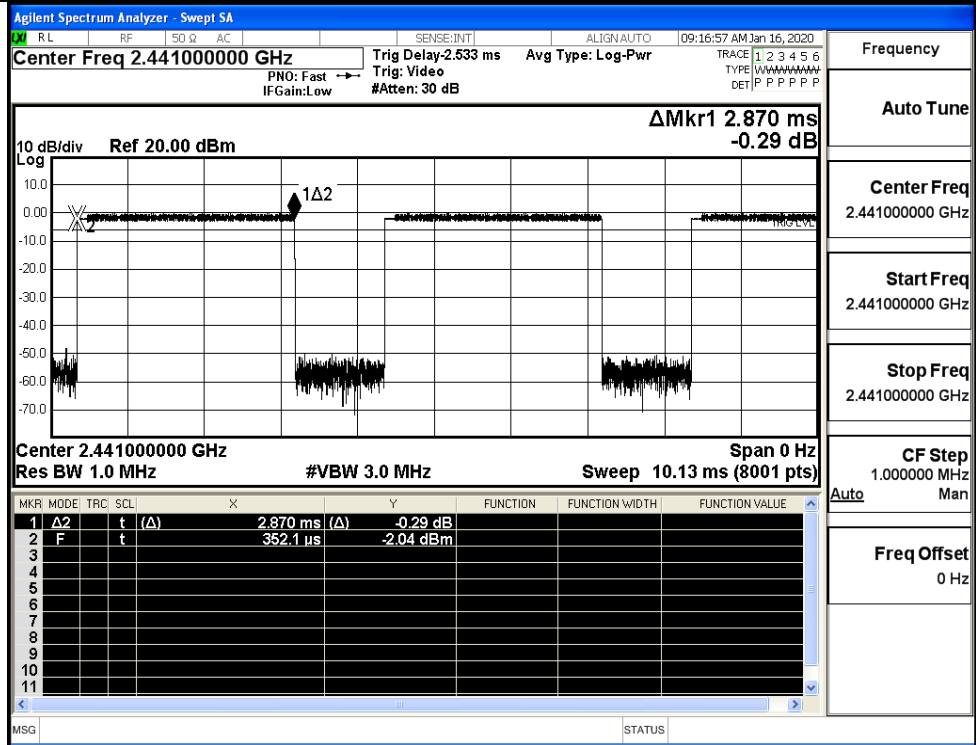
GFSK\_DH5/HCH



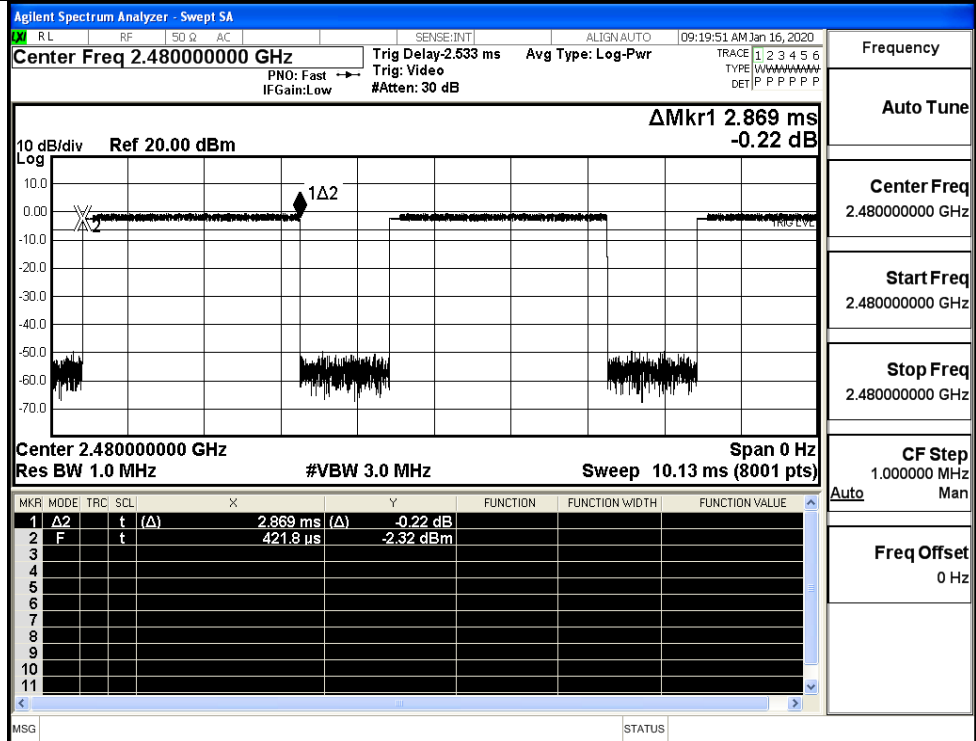
$\pi$ /4DQPSK  
\_2DH5/LCH



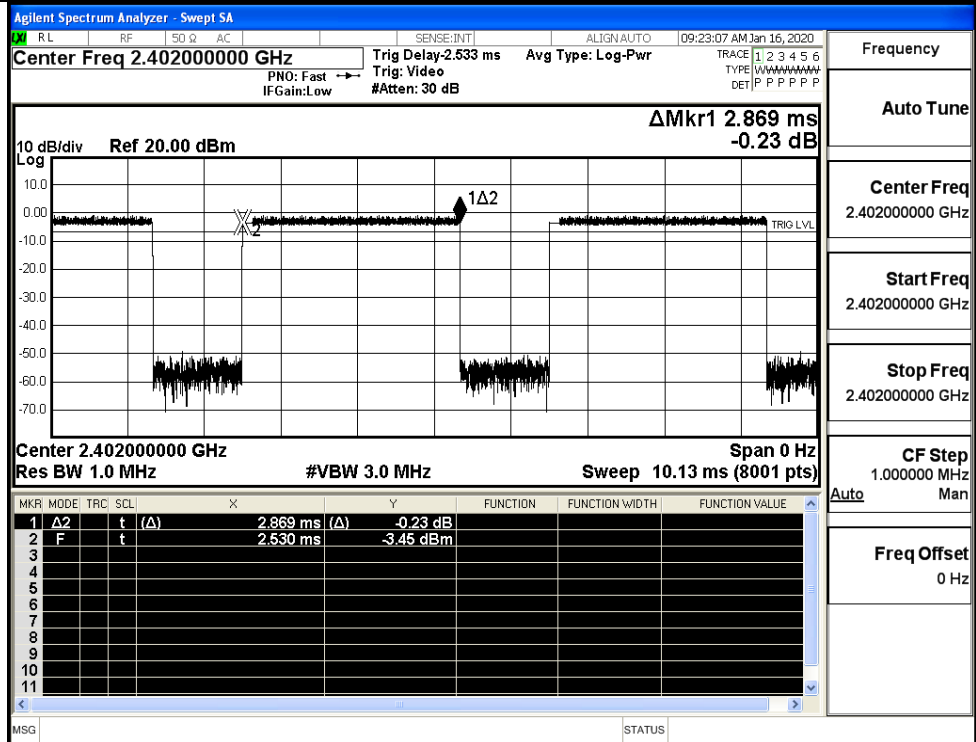
$\pi$ /4DQPSK  
\_2DH5/MCH



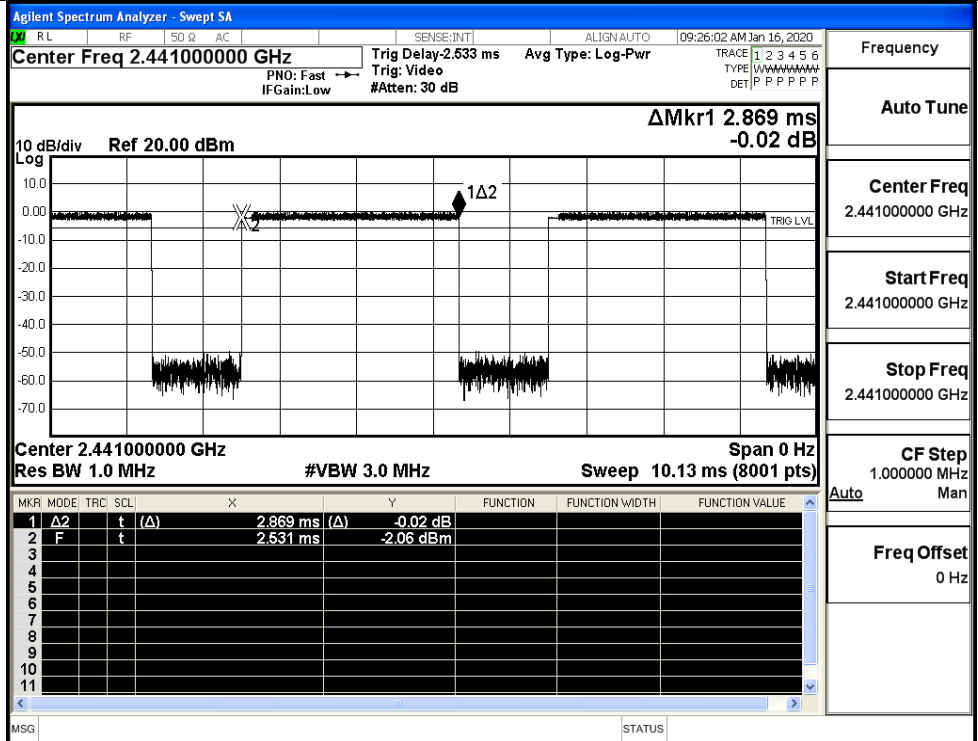
$\pi/4$ DQPSK  
\_2DH5/HCH



8DPSK\_3DH5/LCH



8DPSK\_3DH5/MCH



Frequency

Auto Tune

Center Freq 2.441000000 GHz

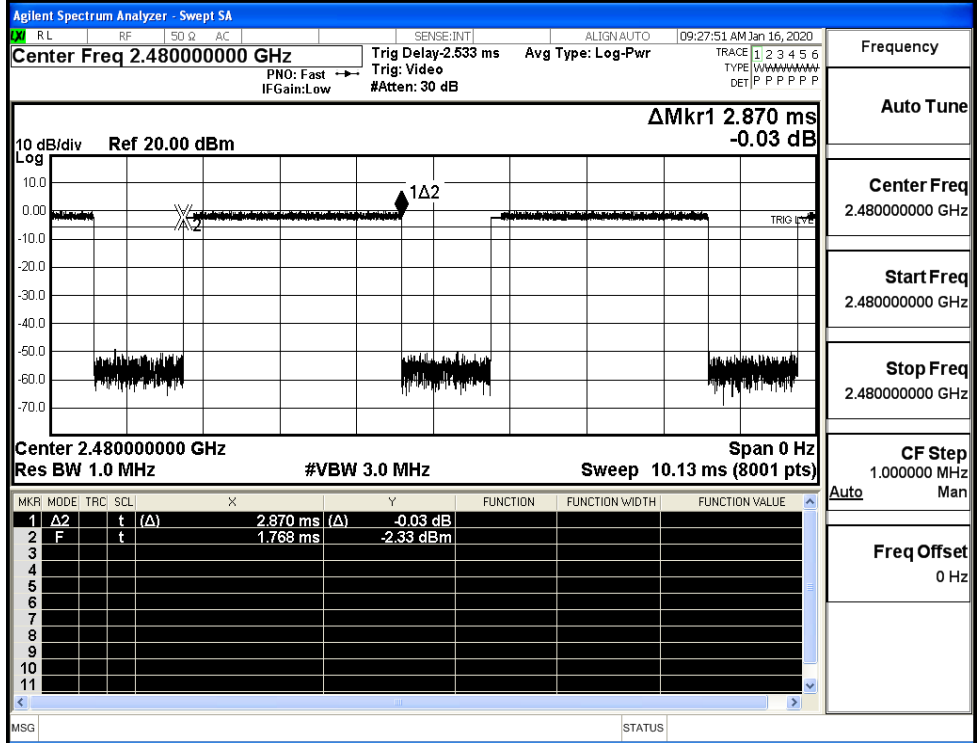
Start Freq 2.441000000 GHz

Stop Freq 2.441000000 GHz

CF Step 1.000000 MHz

Freq Offset 0 Hz

8DPSK\_3DH5/HCH



Frequency

Auto Tune

Center Freq 2.480000000 GHz

Start Freq 2.480000000 GHz

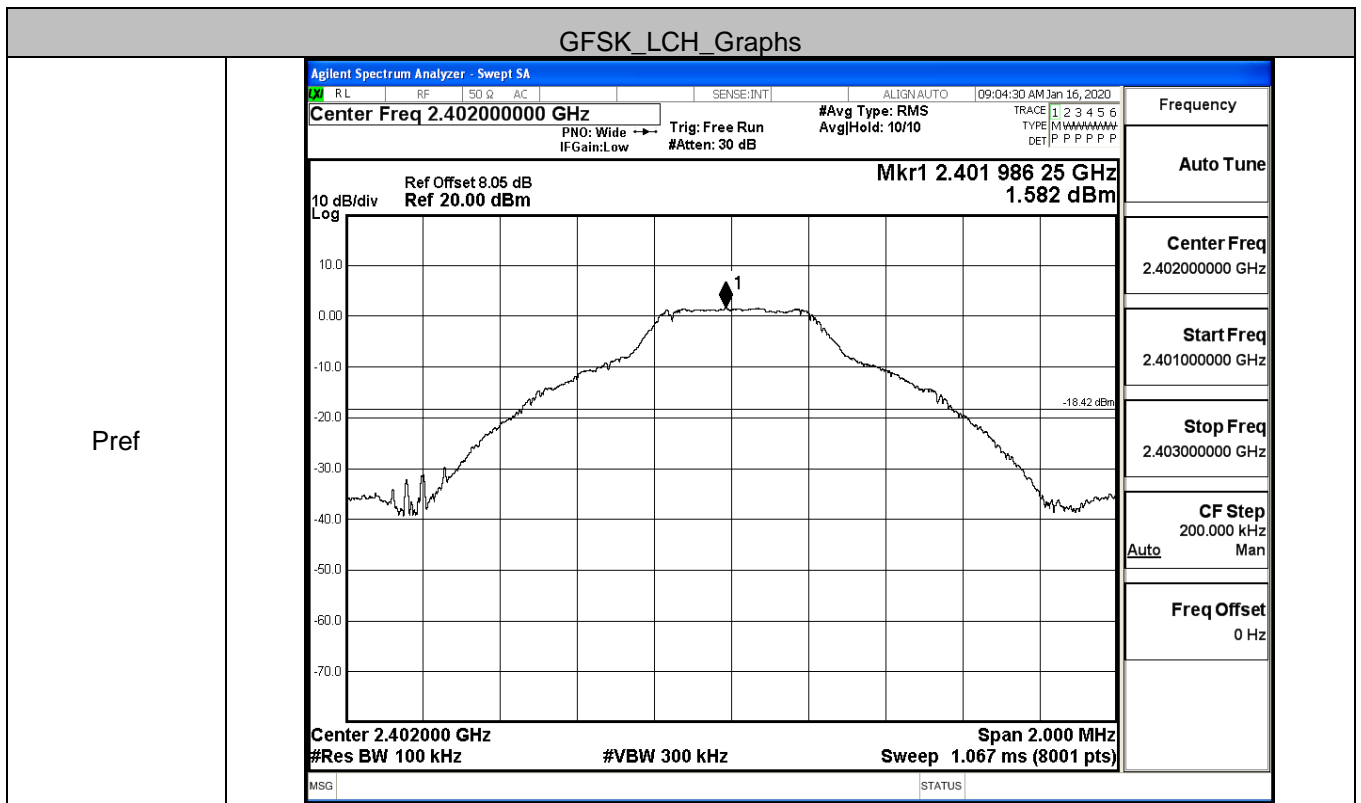
Stop Freq 2.480000000 GHz

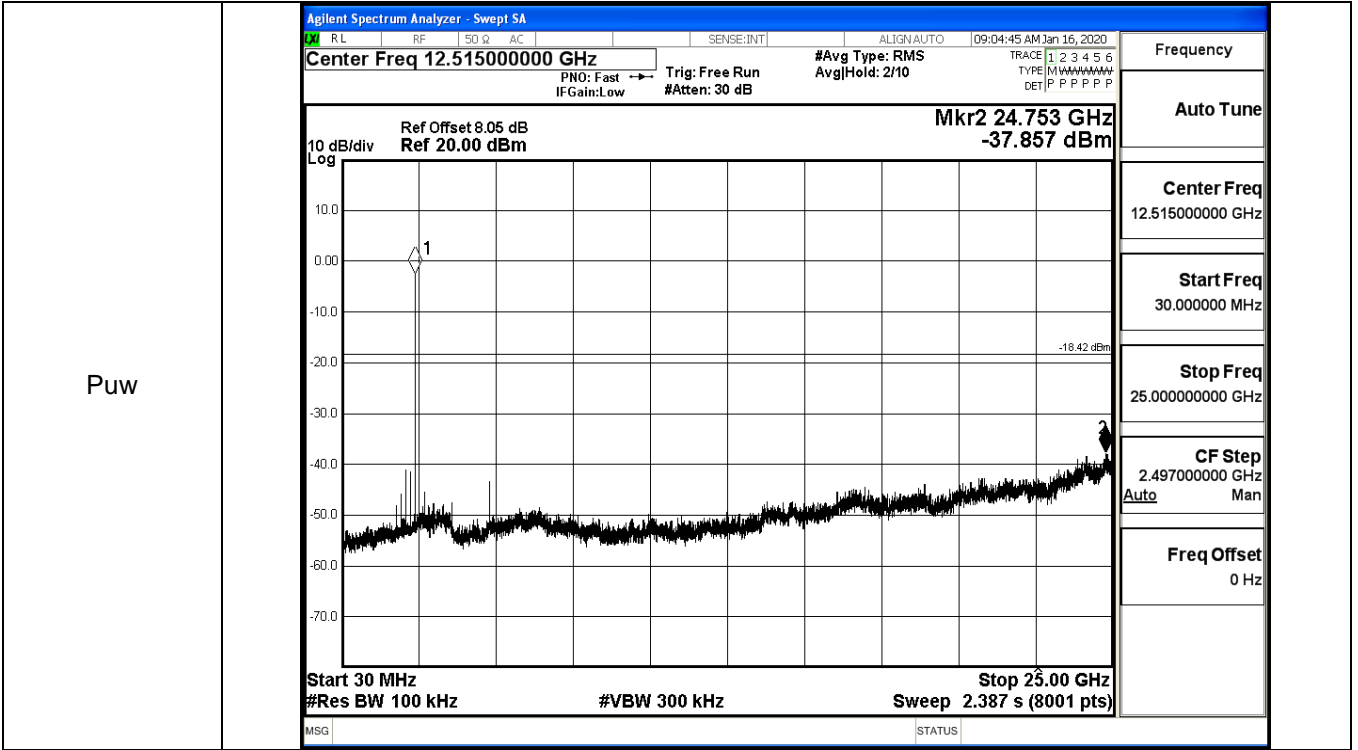
CF Step 1.000000 MHz

Freq Offset 0 Hz

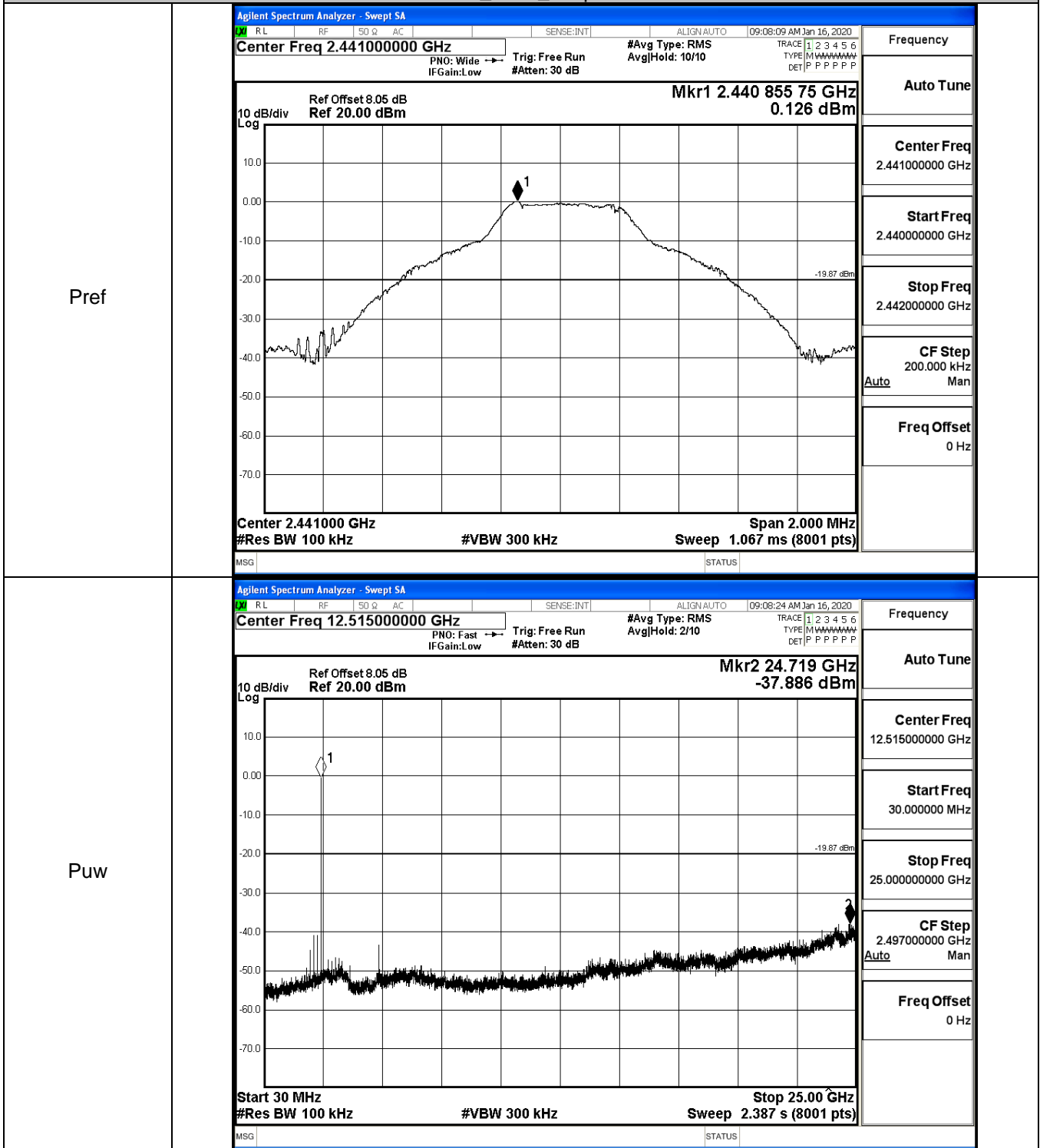
### A.7 RF Conducted Spurious Emissions

| Mode          | Channel | Pref [dBm] | Max. Level [dBm] | Limit [dBm] | Verdict |
|---------------|---------|------------|------------------|-------------|---------|
| GFSK          | LCH     | 1.582      | -37.857          | -18.418     | PASS    |
|               | MCH     | 0.126      | -37.886          | -19.874     | PASS    |
|               | HCH     | -0.261     | -35.879          | -20.261     | PASS    |
| $\pi/4$ DQPSK | LCH     | 3.487      | -37.457          | -16.513     | PASS    |
|               | MCH     | -1.706     | -37.573          | -21.706     | PASS    |
|               | HCH     | -2.179     | -37.551          | -22.179     | PASS    |
| 8DPSK         | LCH     | 4.6        | -37.665          | -15.400     | PASS    |
|               | MCH     | -1.809     | -37.491          | -21.809     | PASS    |
|               | HCH     | -1.996     | -37.514          | -21.996     | PASS    |

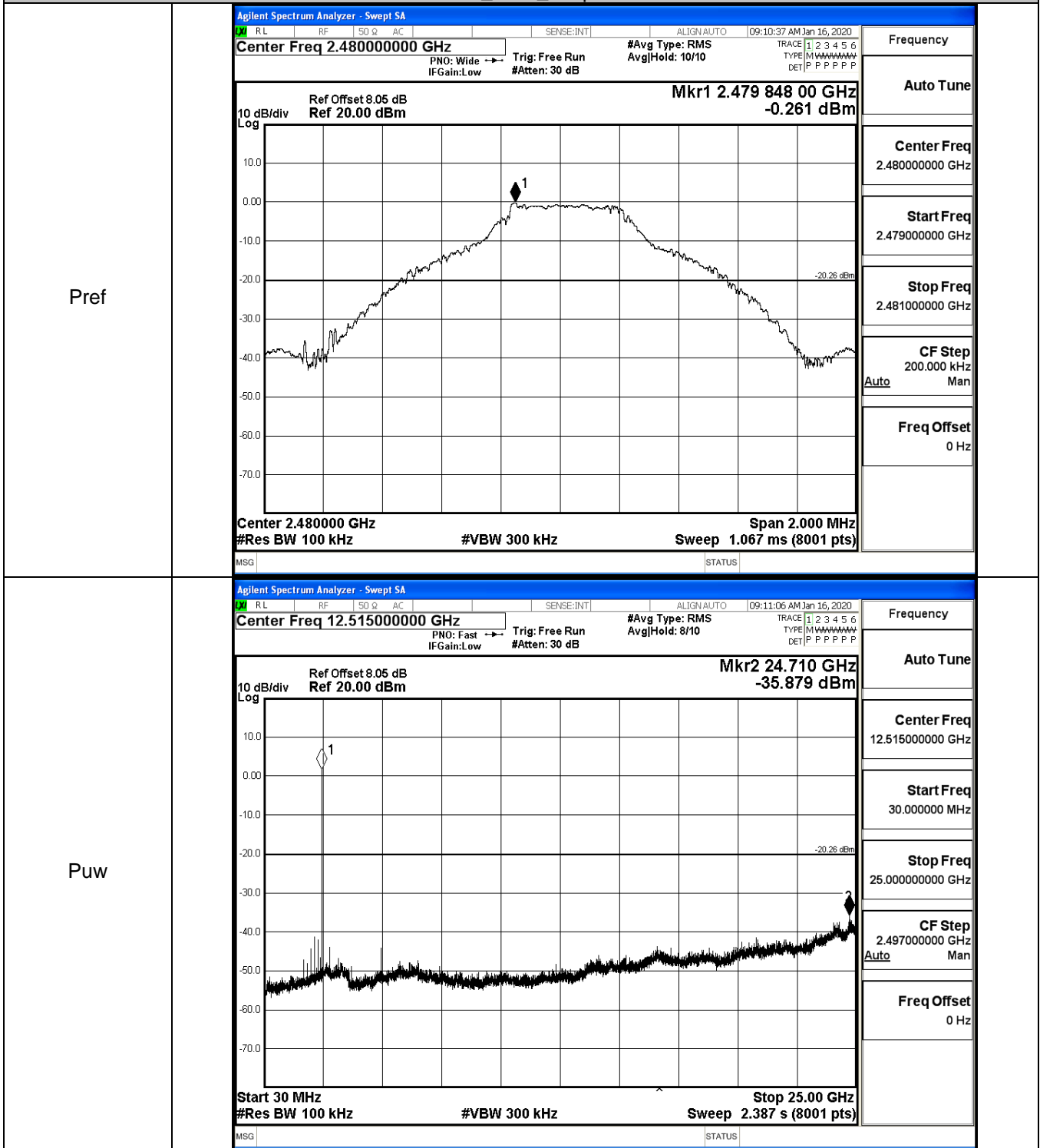




GFSK\_MCH\_Graphs

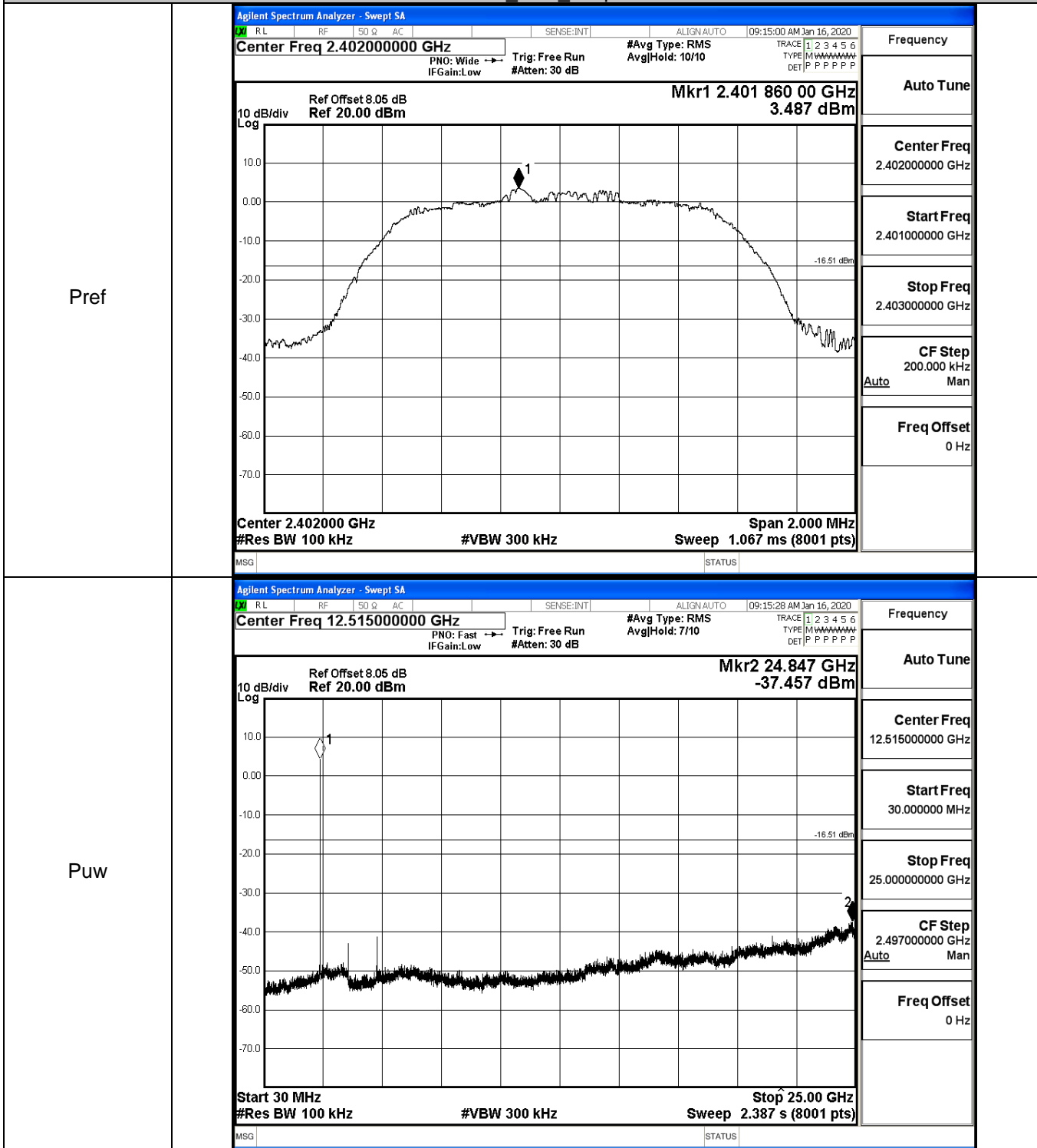


GFSK\_HCH\_Graphs

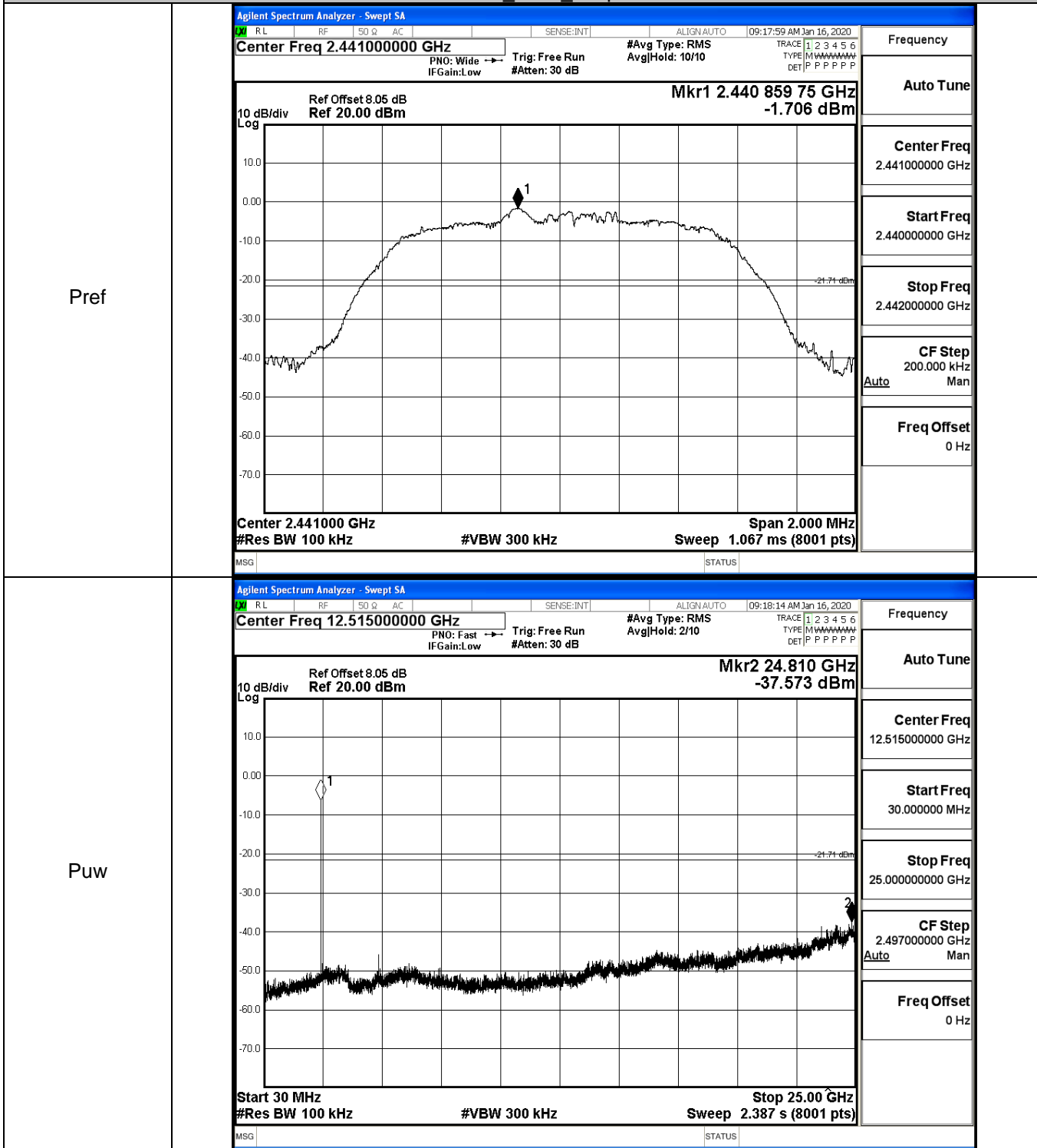




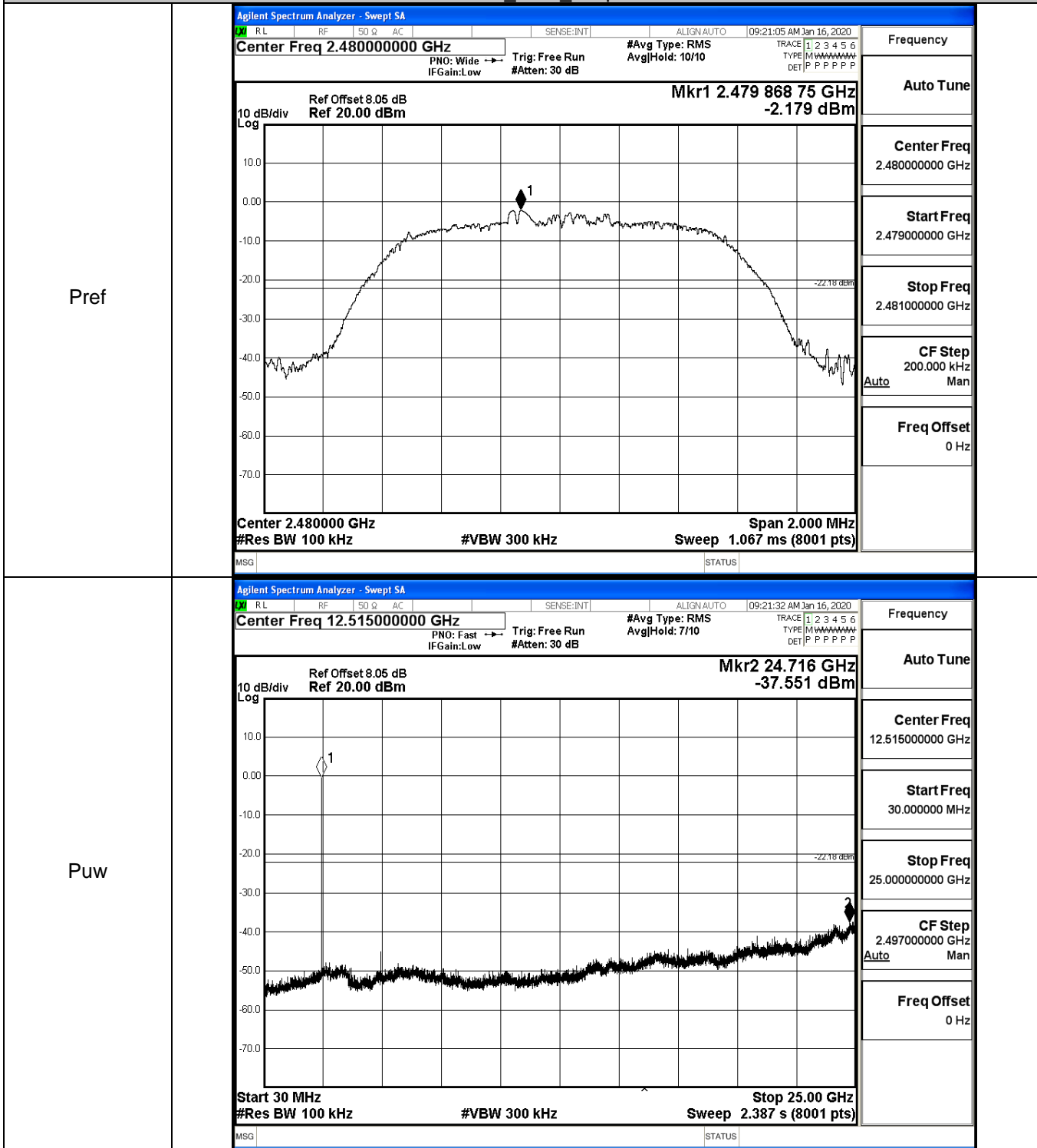
$\pi/4$ DQPSK\_LCH\_Graphs



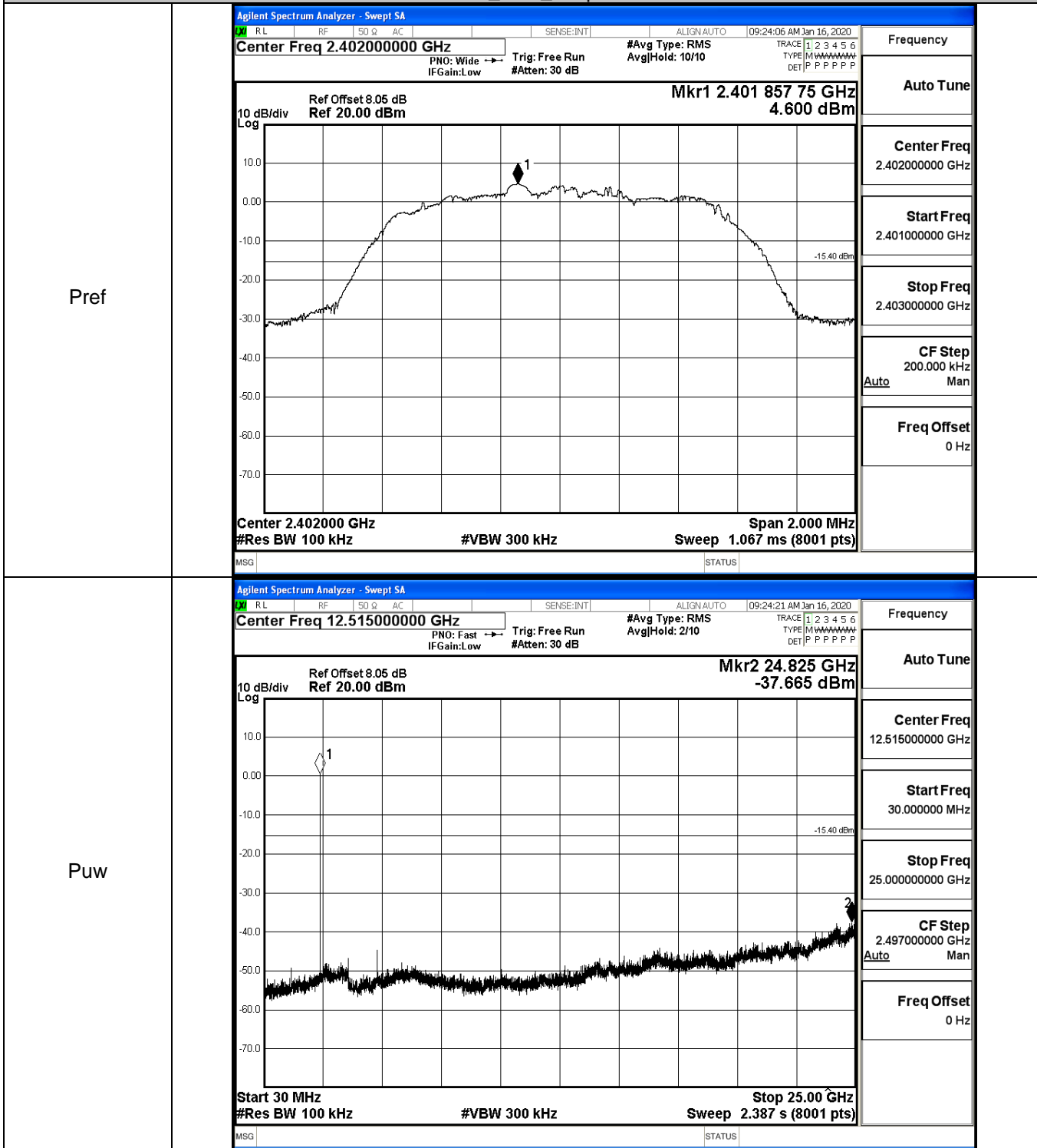
$\pi/4$ DQPSK\_MCH\_Graphs



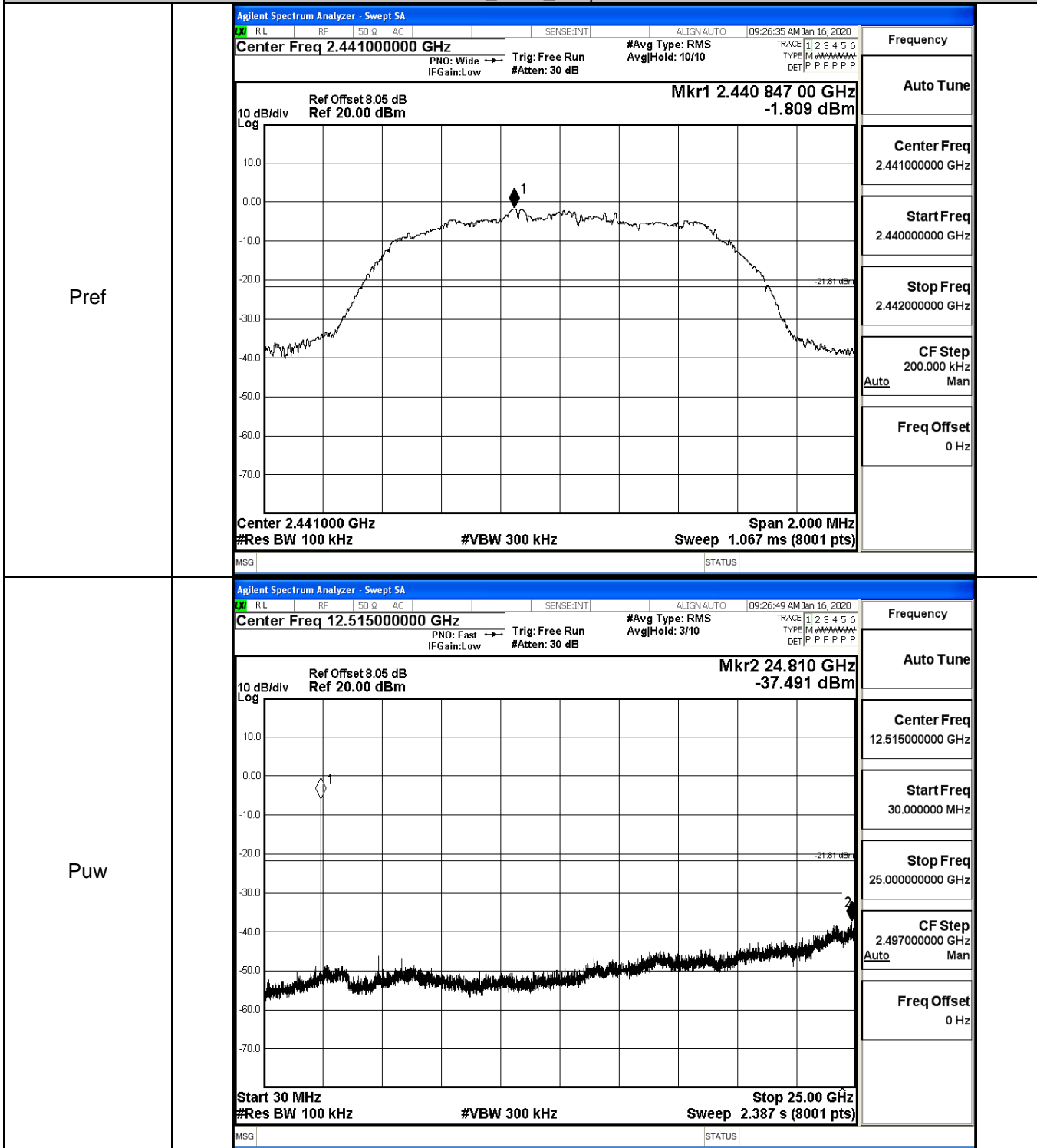
$\pi/4$ DQPSK\_HCH\_Graphs



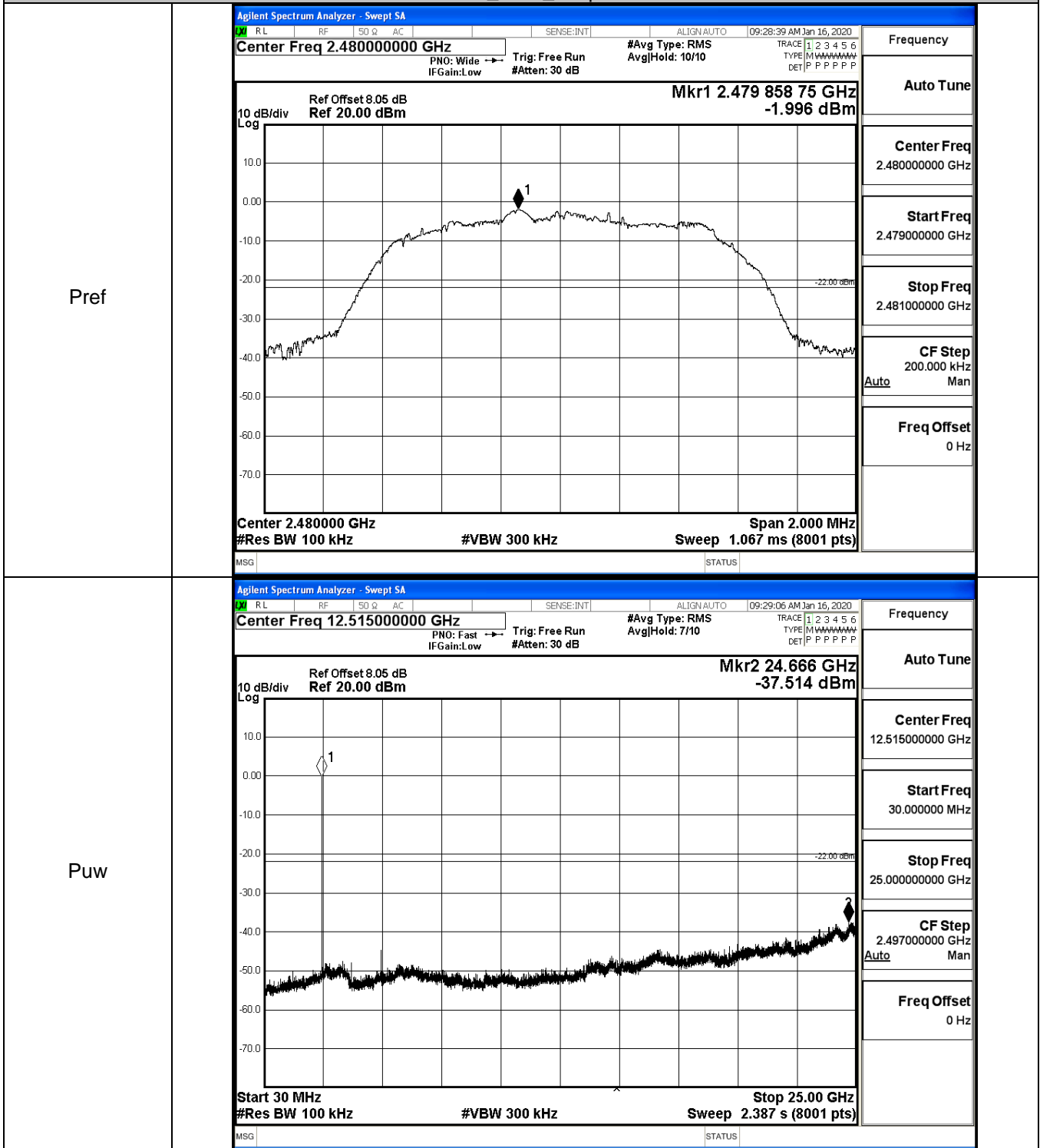
8DPSK\_LCH\_Graphs



8DPSK\_MCH\_Graphs



8DPSK\_HCH\_Graphs

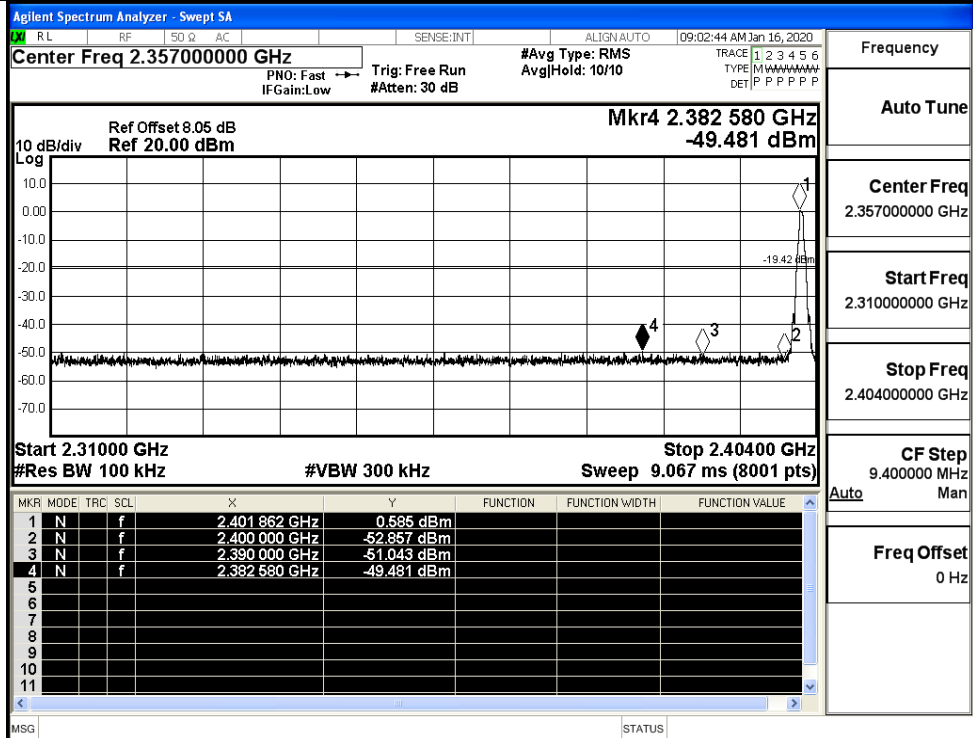


### A.8 Band-edge for RF Conducted Emissions

| Mode          | Channel | Carrier Frequency [MHz] | Carrier Power [dBm] | Frequency Hopping | Max Spurious Level [dBm] | Limit [dBm] | Verdict |
|---------------|---------|-------------------------|---------------------|-------------------|--------------------------|-------------|---------|
| GFSK          | LCH     | 2402                    | 0.585               | Off               | -49.481                  | -19.42      | PASS    |
|               |         |                         | 2.157               | On                | -48.978                  | -17.84      | PASS    |
|               | HCH     | 2480                    | -0.319              | Off               | -48.997                  | -20.32      | PASS    |
|               |         |                         | 7.624               | On                | -48.678                  | -12.38      | PASS    |
| $\pi/4$ DQPSK | LCH     | 2402                    | 3.565               | Off               | -48.783                  | -16.44      | PASS    |
|               |         |                         | 0.950               | On                | -46.409                  | -19.05      | PASS    |
|               | HCH     | 2480                    | -1.899              | Off               | -49.259                  | -21.9       | PASS    |
|               |         |                         | 6.841               | On                | -46.018                  | -13.16      | PASS    |
| 8DPSK         | LCH     | 2402                    | 3.716               | Off               | -49.093                  | -16.28      | PASS    |
|               |         |                         | 1.031               | On                | -47.957                  | -18.97      | PASS    |
|               | HCH     | 2480                    | -1.969              | Off               | -48.912                  | -21.97      | PASS    |
|               |         |                         | 6.376               | On                | -37.886                  | -13.62      | PASS    |

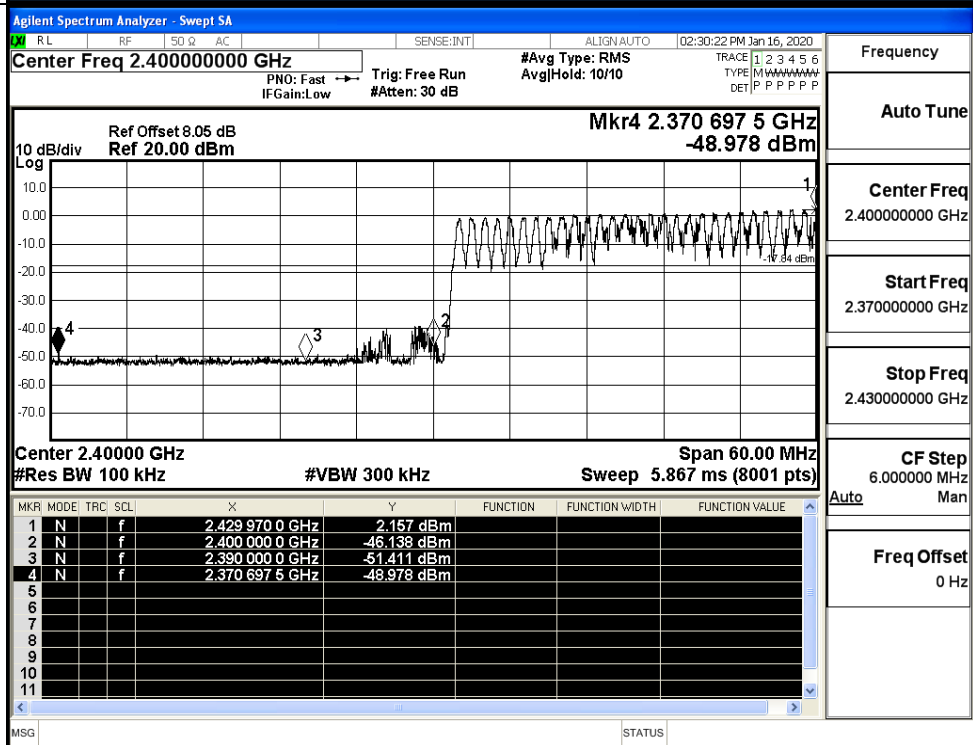
Test Graphs

GFSK/LCH/No Hop



|             |                 |
|-------------|-----------------|
| Frequency   | Auto Tune       |
| Center Freq | 2.357000000 GHz |
| Start Freq  | 2.310000000 GHz |
| Stop Freq   | 2.404000000 GHz |
| CF Step     | 9.400000 MHz    |
| Auto        | Man             |
| Freq Offset | 0 Hz            |

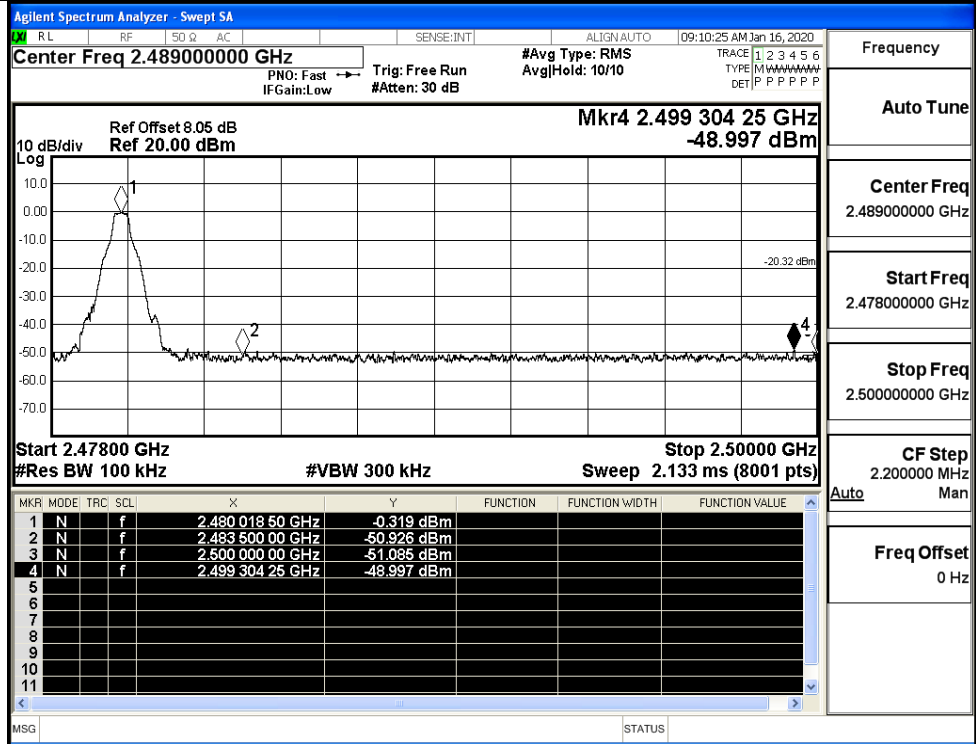
GFSK/LCH/Hop



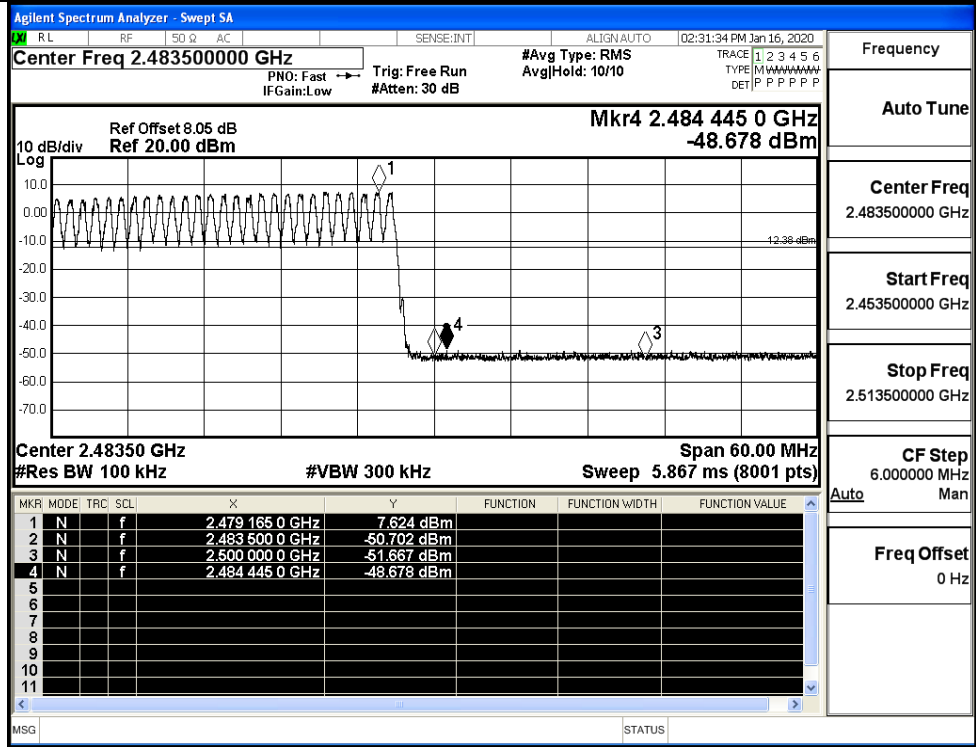
|             |                 |
|-------------|-----------------|
| Frequency   | Auto Tune       |
| Center Freq | 2.400000000 GHz |
| Start Freq  | 2.370000000 GHz |
| Stop Freq   | 2.430000000 GHz |
| CF Step     | 6.000000 MHz    |
| Auto        | Man             |
| Freq Offset | 0 Hz            |



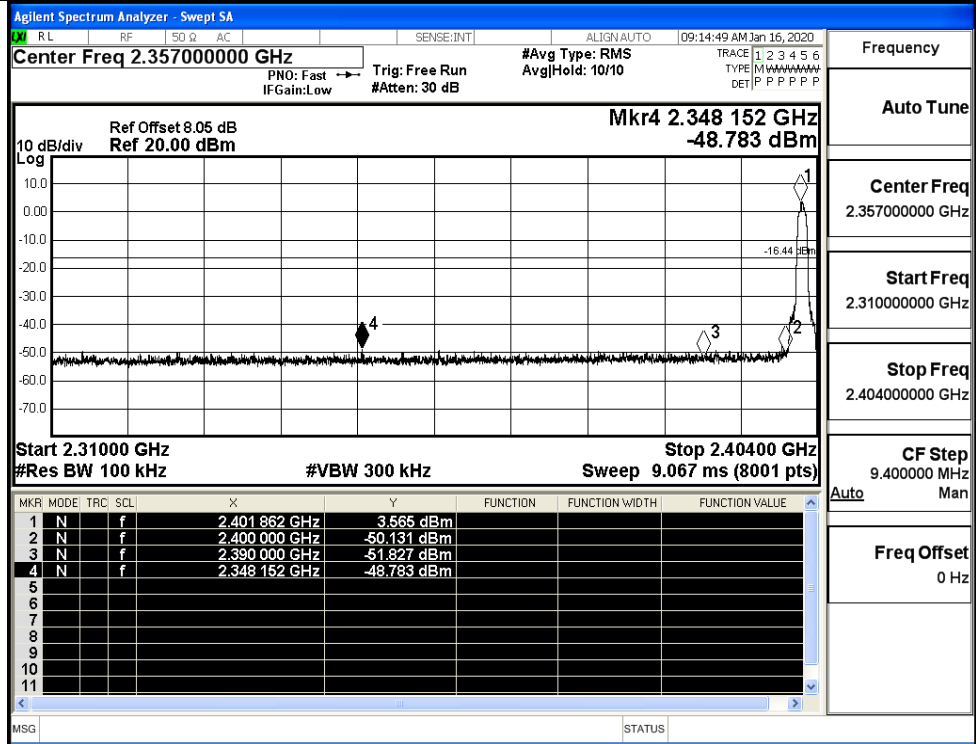
GFSK/HCH/No Hop



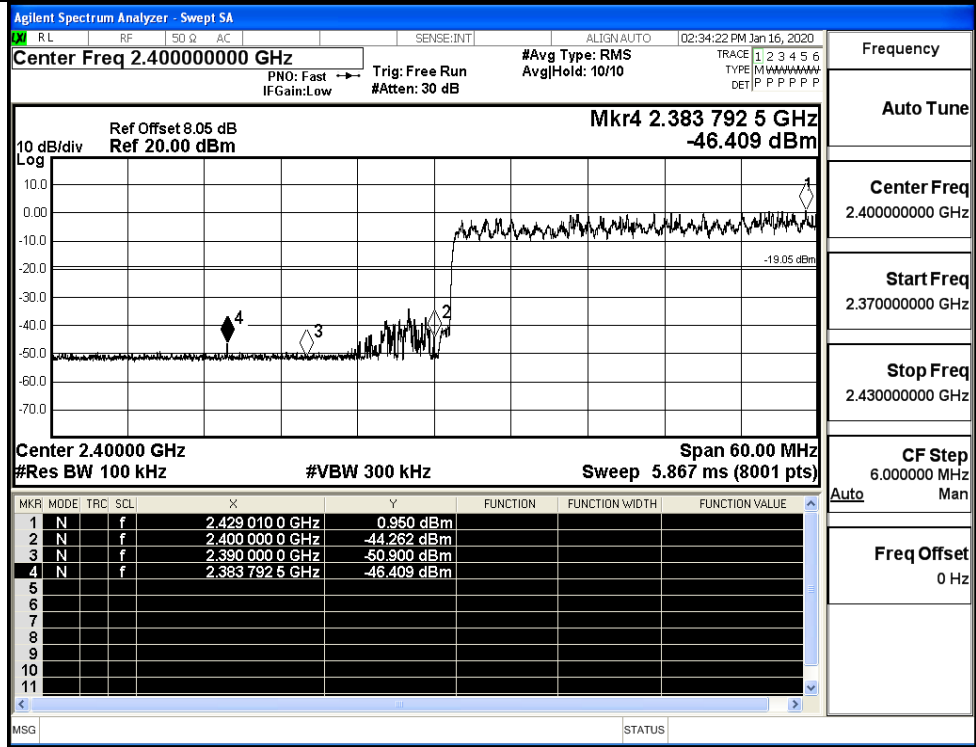
GFSK/HCH/Hop



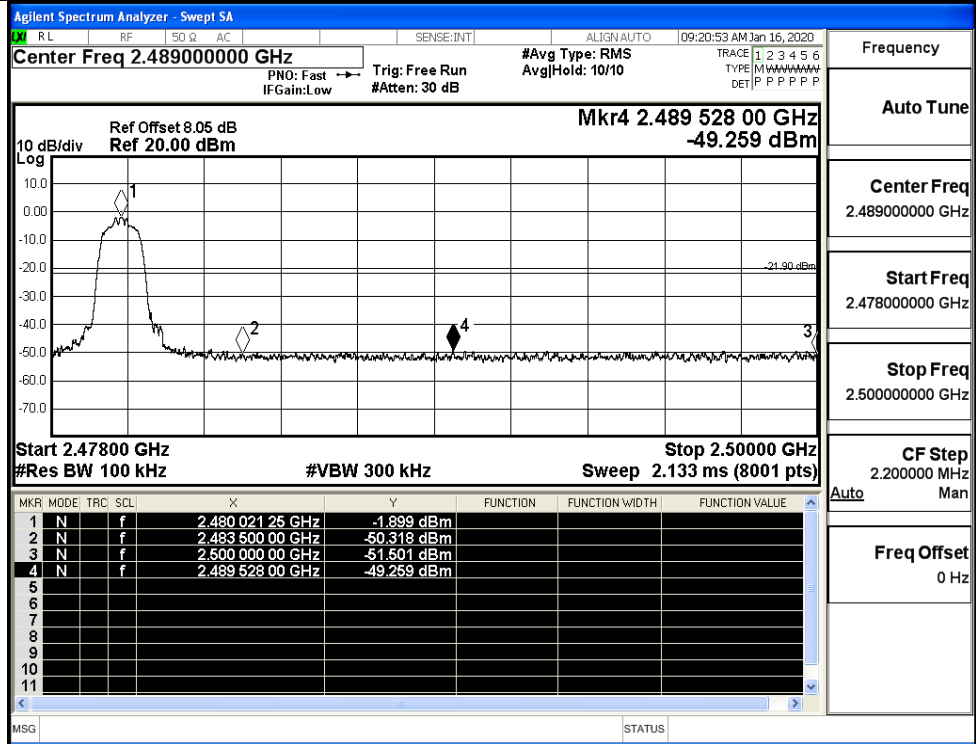
$\pi/4$ DQPSK/LCH/No Hop



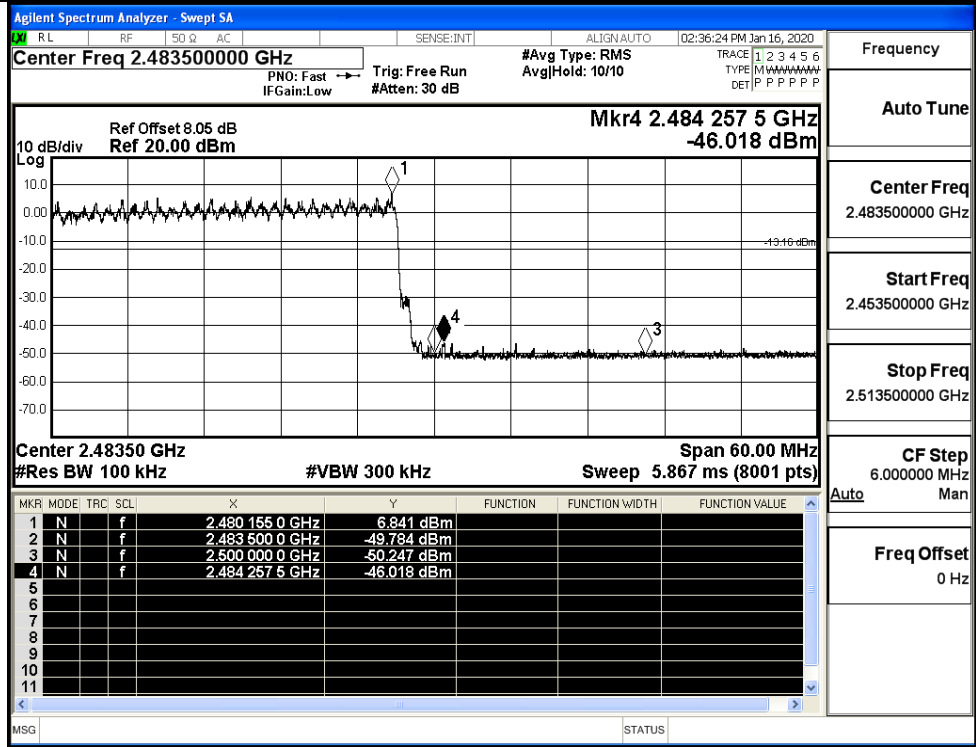
$\pi/4$ DQPSK/LCH/Hop



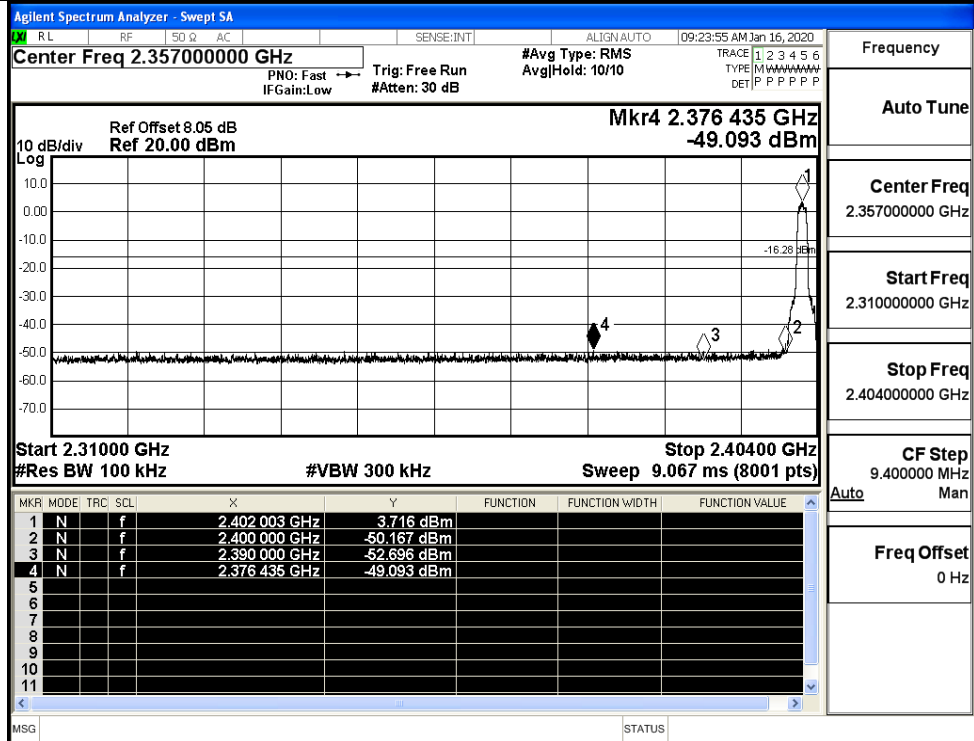
$\pi$ /4DQPSK/HCH/No  
Hop



$\pi$ /4DQPSK/HCH/Hop

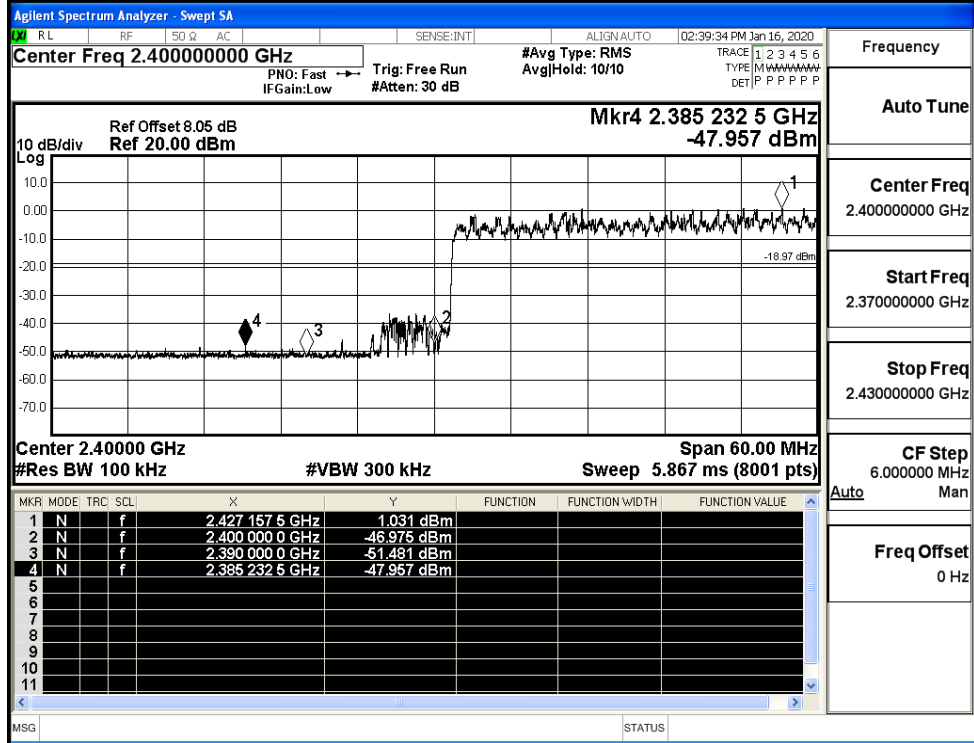


8DPSK/LCH/No Hop



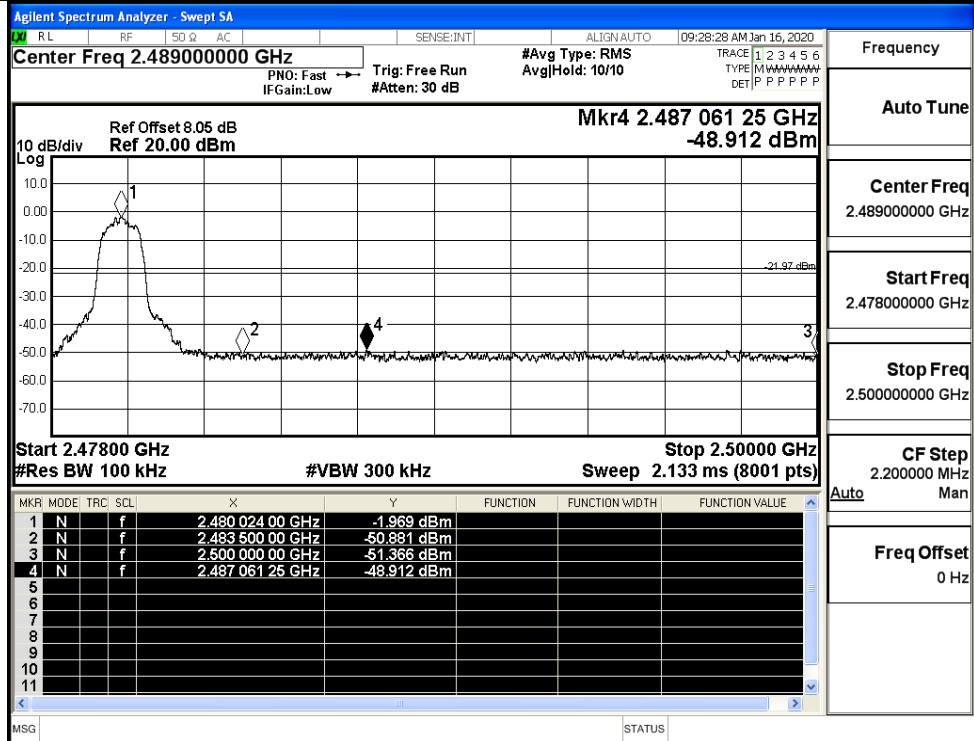
Frequency  
Auto Tune  
Center Freq  
2.357000000 GHz  
Start Freq  
2.310000000 GHz  
Stop Freq  
2.404000000 GHz  
CF Step  
9.400000 MHz  
Auto Man  
Freq Offset  
0 Hz

8DPSK/LCH/Hop



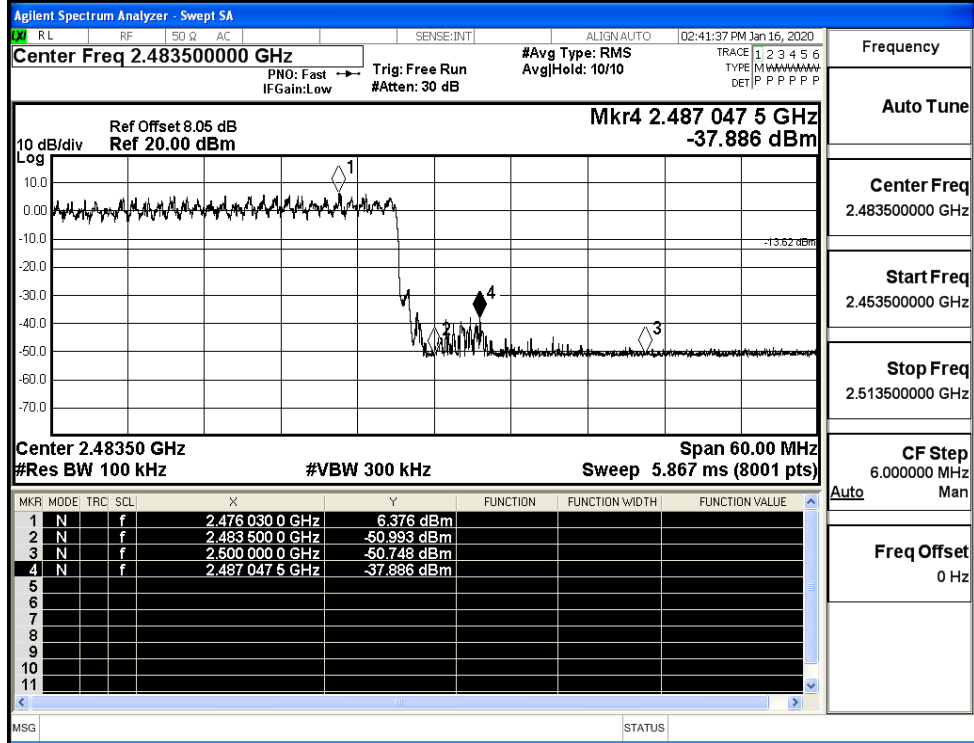
Frequency  
Auto Tune  
Center Freq  
2.400000000 GHz  
Start Freq  
2.370000000 GHz  
Stop Freq  
2.430000000 GHz  
CF Step  
6.000000 MHz  
Auto Man  
Freq Offset  
0 Hz

8DPSK/HCH/No Hop



|             |                 |
|-------------|-----------------|
| Frequency   |                 |
| Auto Tune   |                 |
| Center Freq | 2.489000000 GHz |
| Start Freq  | 2.478000000 GHz |
| Stop Freq   | 2.500000000 GHz |
| CF Step     | 2.200000 MHz    |
| Freq Offset | 0 Hz            |

8DPSK/HCH/Hop

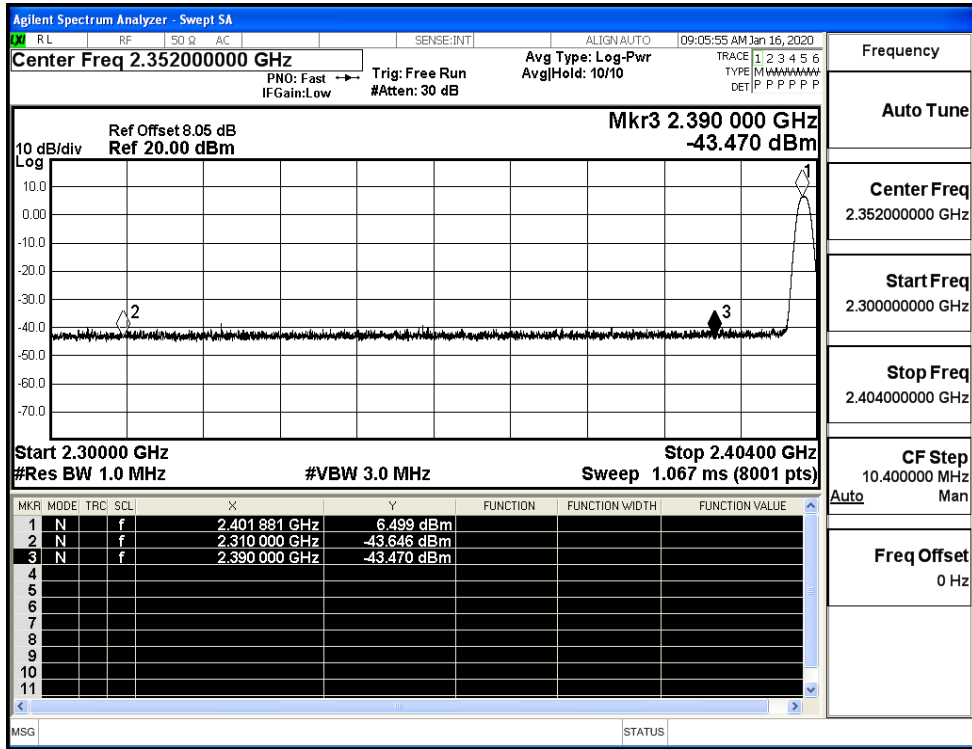


|             |                 |
|-------------|-----------------|
| Frequency   |                 |
| Auto Tune   |                 |
| Center Freq | 2.483500000 GHz |
| Start Freq  | 2.453500000 GHz |
| Stop Freq   | 2.513500000 GHz |
| CF Step     | 6.000000 MHz    |
| Freq Offset | 0 Hz            |

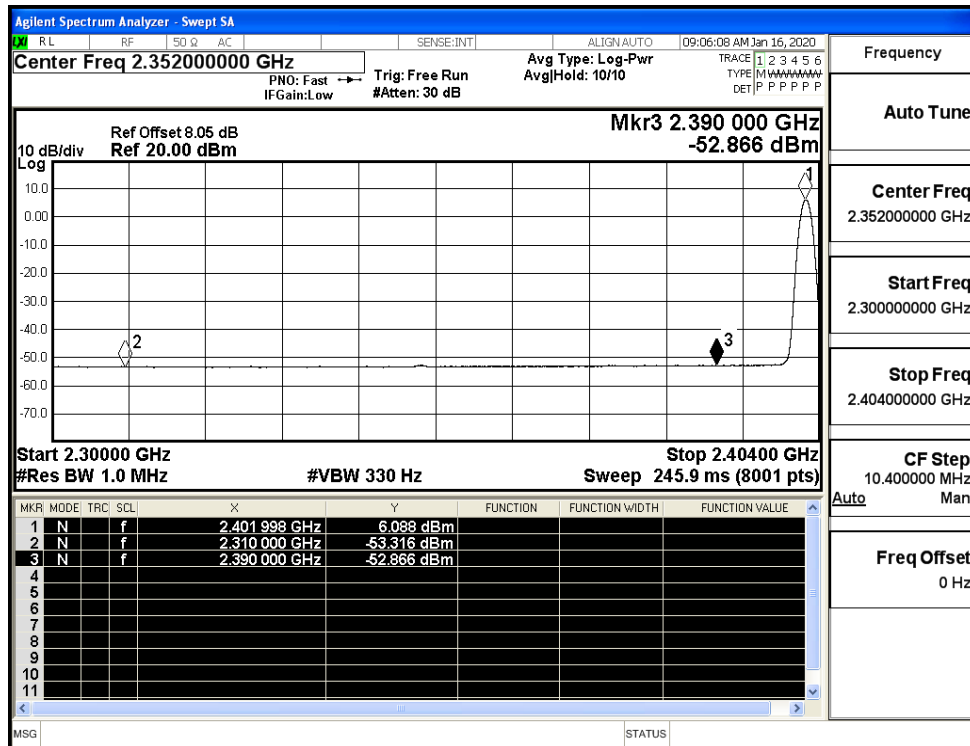
### A.8 Restrict-band band-edge measurements

| Test Mode     | Hopping | Freq.  | Power [dBm] | Gain | Ground Factor | E [dBuV/m] | Detector | Limit [dBuV/m] | Verdict |
|---------------|---------|--------|-------------|------|---------------|------------|----------|----------------|---------|
| GFSK          | Off     | 2310.0 | -43.65      | 3.0  | 0             | 54.58      | PEAK     | 74             | PASS    |
|               | Off     | 2310.0 | -53.32      | 3.0  | 0             | 44.91      | AV       | 54             | PASS    |
|               | Off     | 2390.0 | -43.47      | 3.0  | 0             | 54.76      | PEAK     | 74             | PASS    |
|               | Off     | 2390.0 | -52.87      | 3.0  | 0             | 45.36      | AV       | 54             | PASS    |
|               | Off     | 2483.5 | -40.70      | 3.0  | 0             | 57.53      | PEAK     | 74             | PASS    |
|               | Off     | 2483.5 | -52.46      | 3.0  | 0             | 45.77      | AV       | 54             | PASS    |
|               | Off     | 2500.0 | -43.12      | 3.0  | 0             | 55.11      | PEAK     | 74             | PASS    |
|               | Off     | 2500.0 | -52.37      | 3.0  | 0             | 45.86      | AV       | 54             | PASS    |
| $\pi/4$ DQPSK | Off     | 2310.0 | -43.69      | 3.0  | 0             | 54.54      | PEAK     | 74             | PASS    |
|               | Off     | 2310.0 | -53.14      | 3.0  | 0             | 45.09      | AV       | 54             | PASS    |
|               | Off     | 2390.0 | -42.39      | 3.0  | 0             | 55.84      | PEAK     | 74             | PASS    |
|               | Off     | 2390.0 | -51.54      | 3.0  | 0             | 46.69      | AV       | 54             | PASS    |
|               | Off     | 2483.5 | -40.07      | 3.0  | 0             | 58.16      | PEAK     | 74             | PASS    |
|               | Off     | 2483.5 | -51.36      | 3.0  | 0             | 46.87      | AV       | 54             | PASS    |
|               | Off     | 2500.0 | -42.64      | 3.0  | 0             | 55.59      | PEAK     | 74             | PASS    |
|               | Off     | 2500.0 | -51.74      | 3.0  | 0             | 46.49      | AV       | 54             | PASS    |
| 8DPSK         | Off     | 2310.0 | -41.49      | 3.0  | 0             | 56.74      | PEAK     | 74             | PASS    |
|               | Off     | 2310.0 | -53.28      | 3.0  | 0             | 44.95      | AV       | 54             | PASS    |
|               | Off     | 2390.0 | -40.93      | 3.0  | 0             | 57.30      | PEAK     | 74             | PASS    |
|               | Off     | 2390.0 | -51.50      | 3.0  | 0             | 46.73      | AV       | 54             | PASS    |
|               | Off     | 2483.5 | -39.83      | 3.0  | 0             | 58.40      | PEAK     | 74             | PASS    |
|               | Off     | 2483.5 | -51.13      | 3.0  | 0             | 47.10      | AV       | 54             | PASS    |
|               | Off     | 2500.0 | -41.42      | 3.0  | 0             | 56.81      | PEAK     | 74             | PASS    |
|               | Off     | 2500.0 | -51.61      | 3.0  | 0             | 46.62      | AV       | 54             | PASS    |

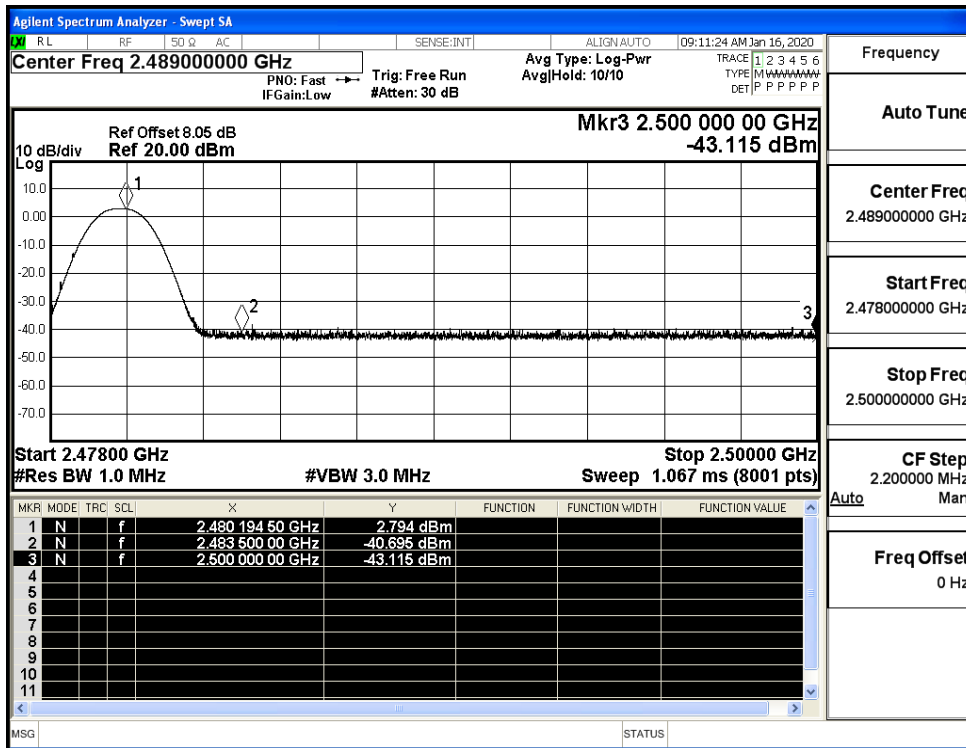
Restrict-band band-edge measurements\_Hopping Off\_GFSK\_PEAK (Low Channel)



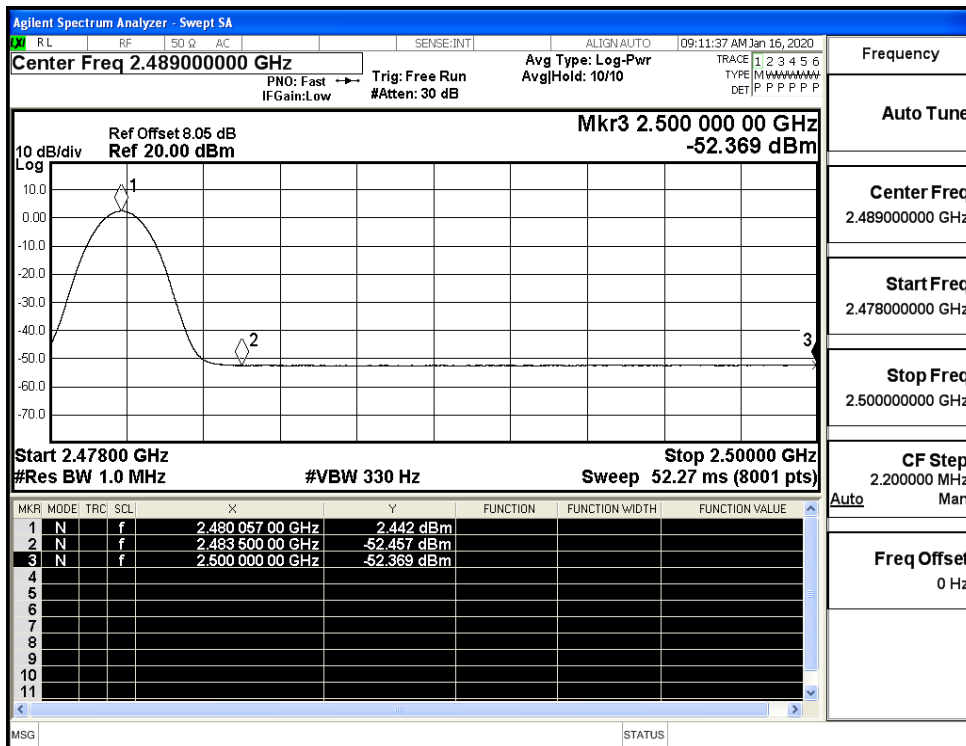
Restrict-band band-edge measurements\_Hopping Off\_GFSK\_Average (Low Channel)



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

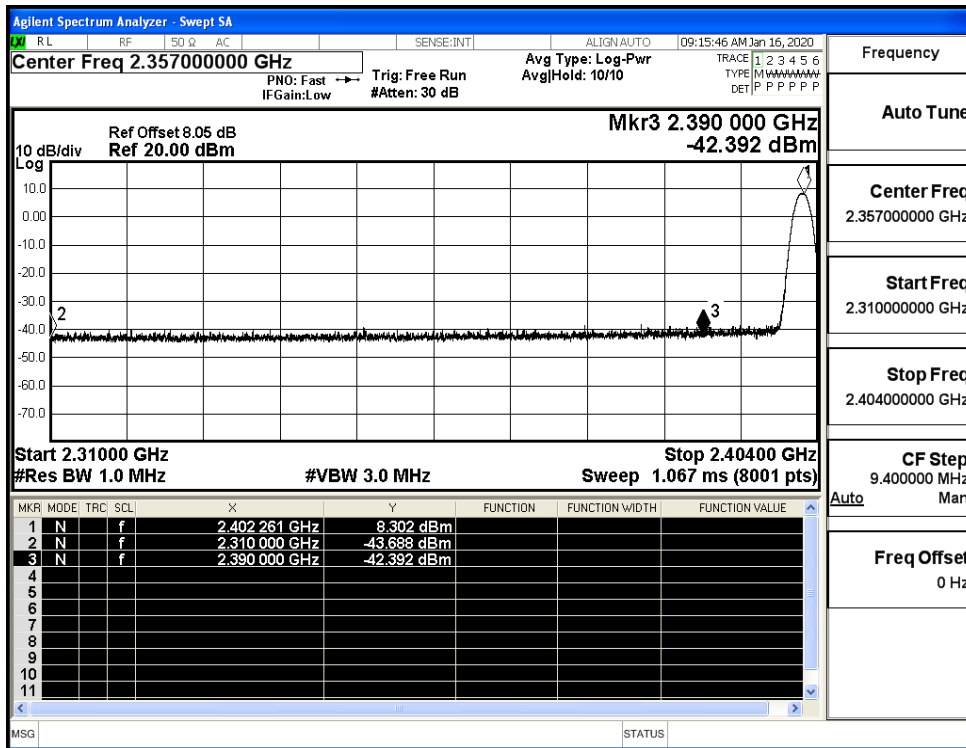


Restrict-band band-edge measurements\_Hopping Off\_GFSK\_Average (High Channel)

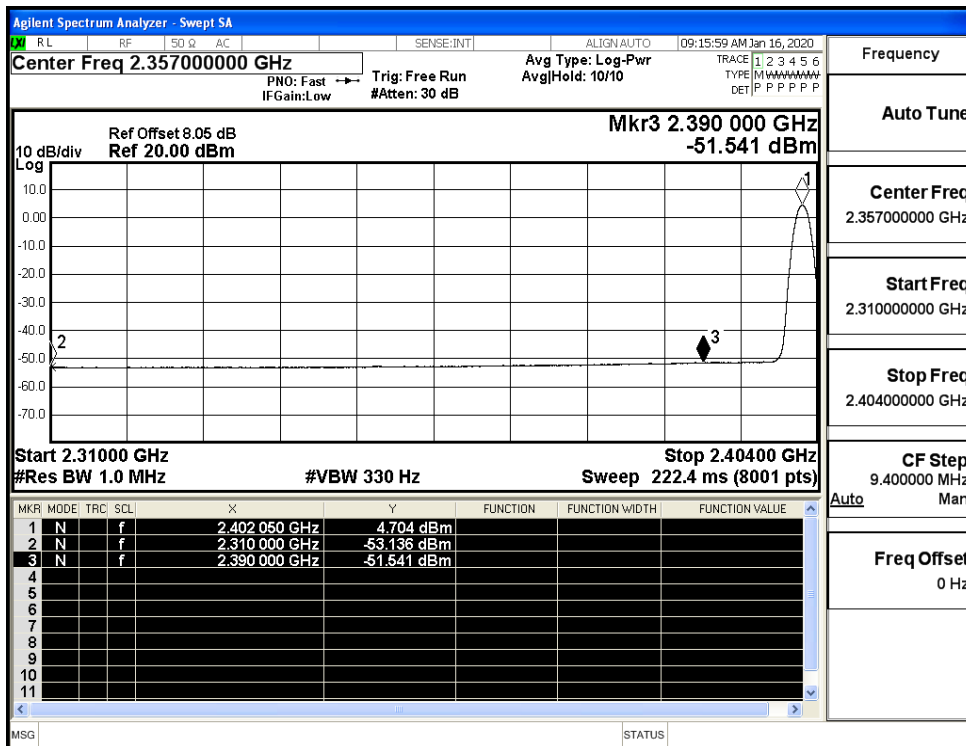




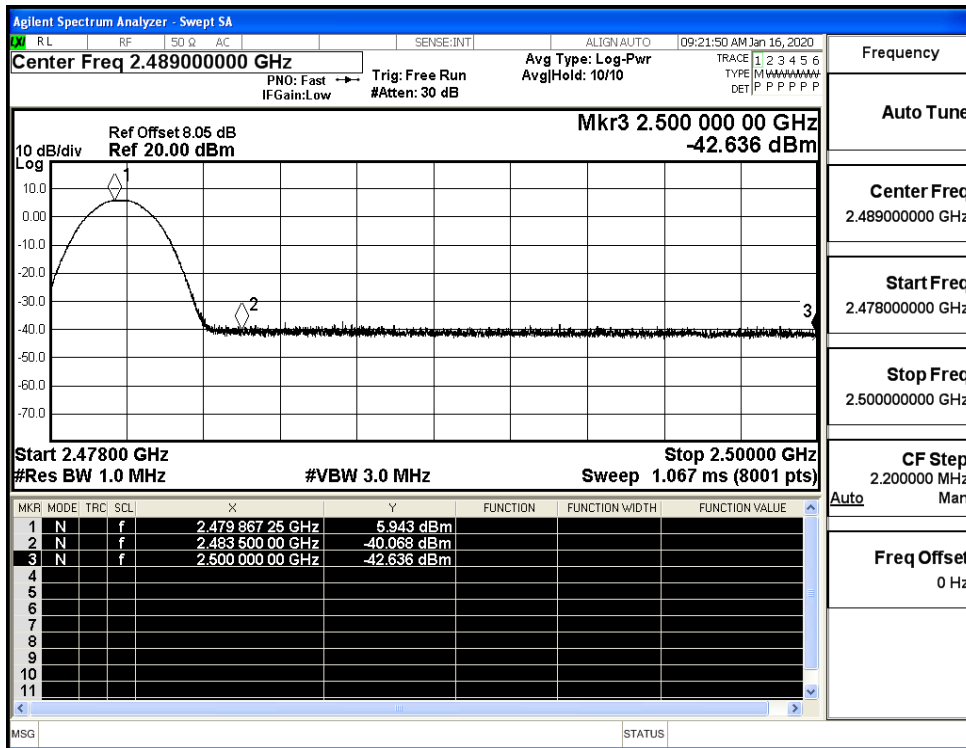
Restrict-band band-edge measurements\_Hopping Off  $\pi/4$ -DQPSK\_PEAK (Low Channel)



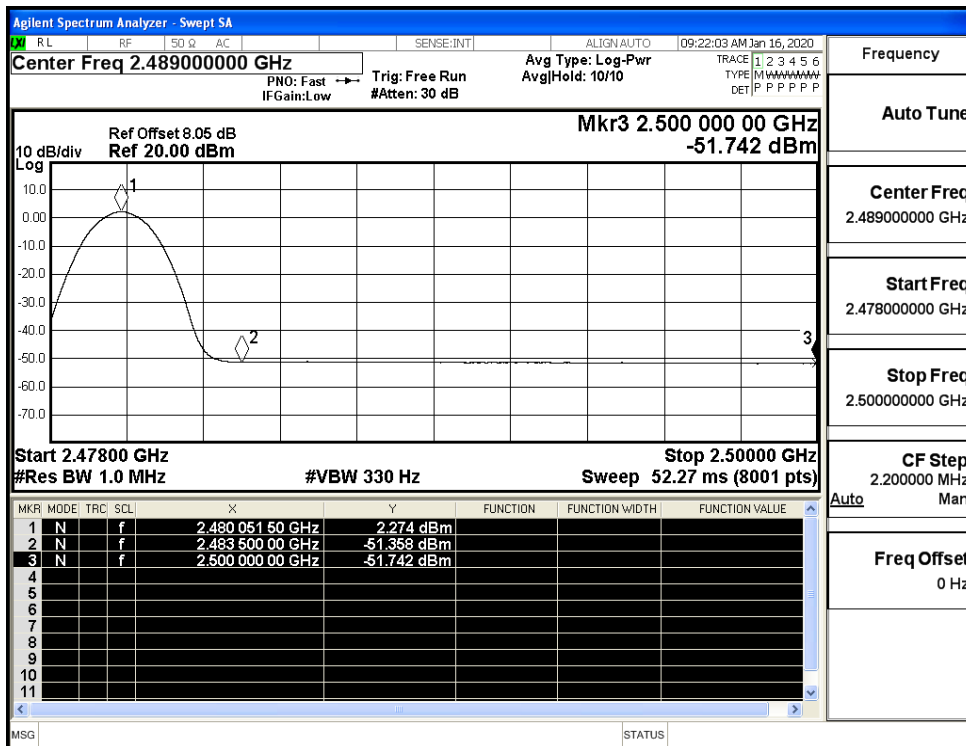
Restrict-band band-edge measurements\_Hopping Off  $\pi/4$ -DQPSK\_Average (Low Channel)



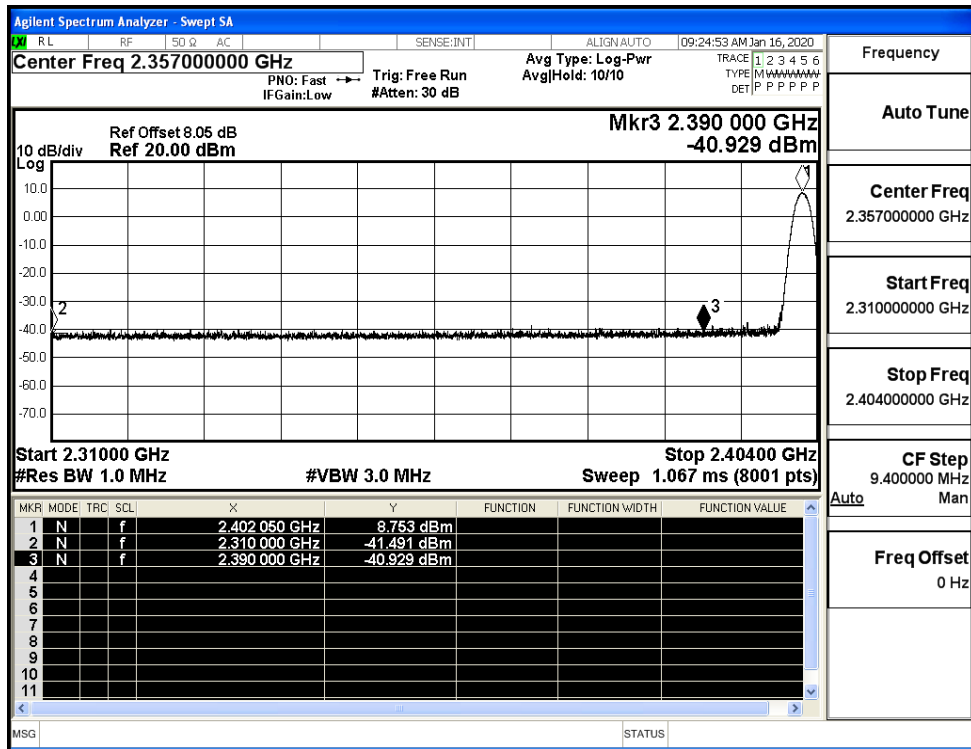
Restrict-band band-edge measurements\_Hopping Off  $\pi/4$ -DQPSK\_PEAK (High Channel)



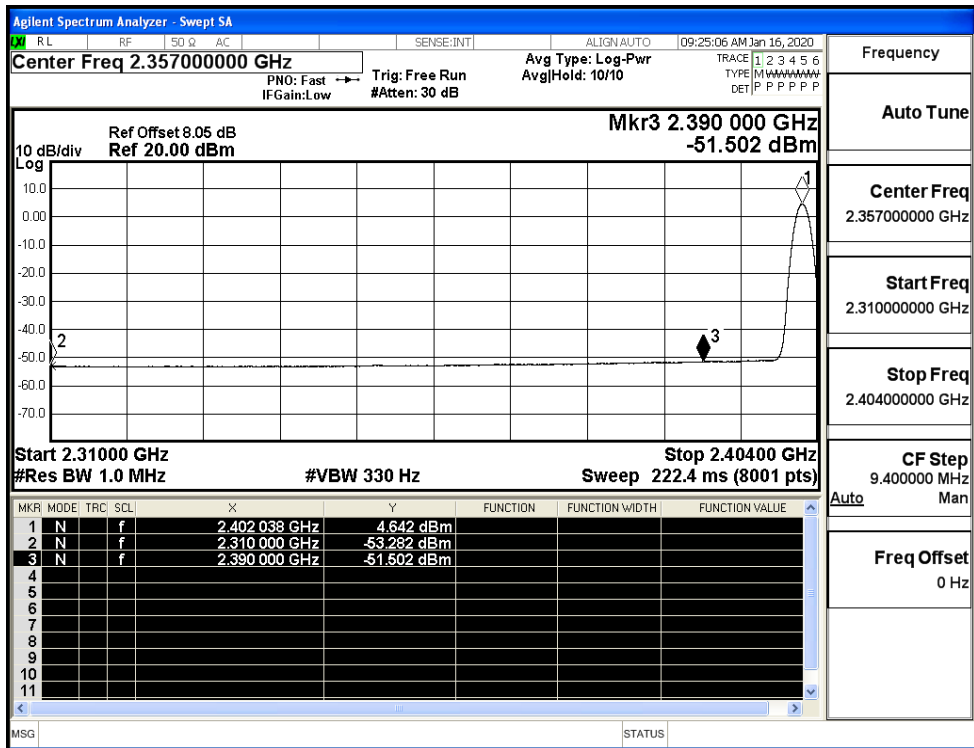
Restrict-band band-edge measurements\_Hopping Off  $\pi/4$ -DQPSK\_Average (High Channel)



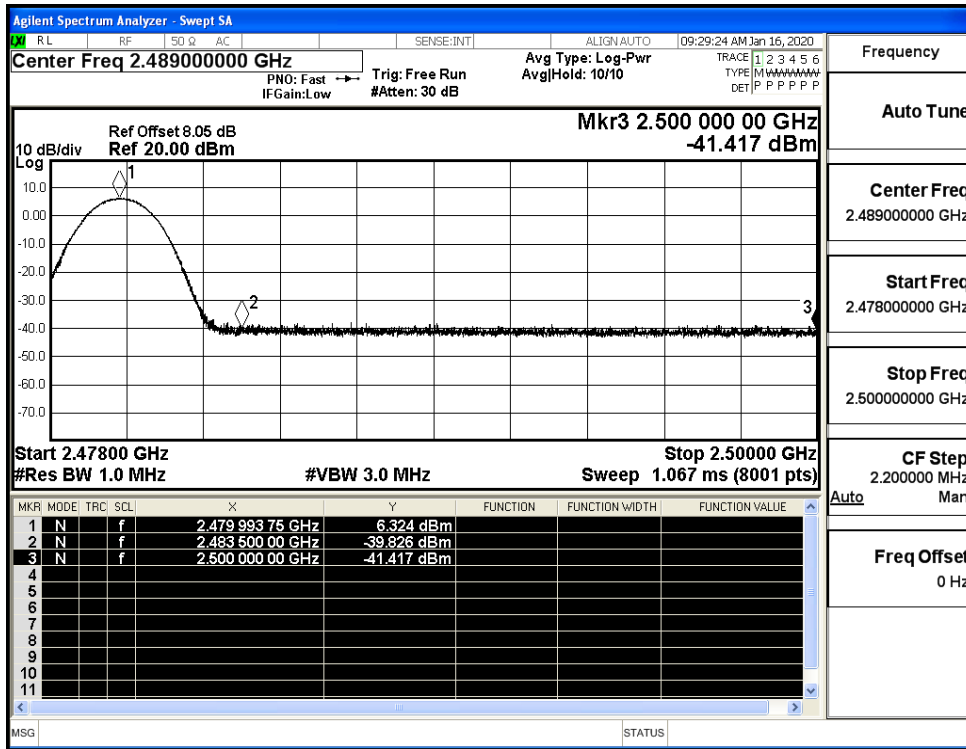
Restrict-band band-edge measurements\_Hopping Off\_8DPSK\_PEAK (Low Channel)



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)

