

Environmental Conditions

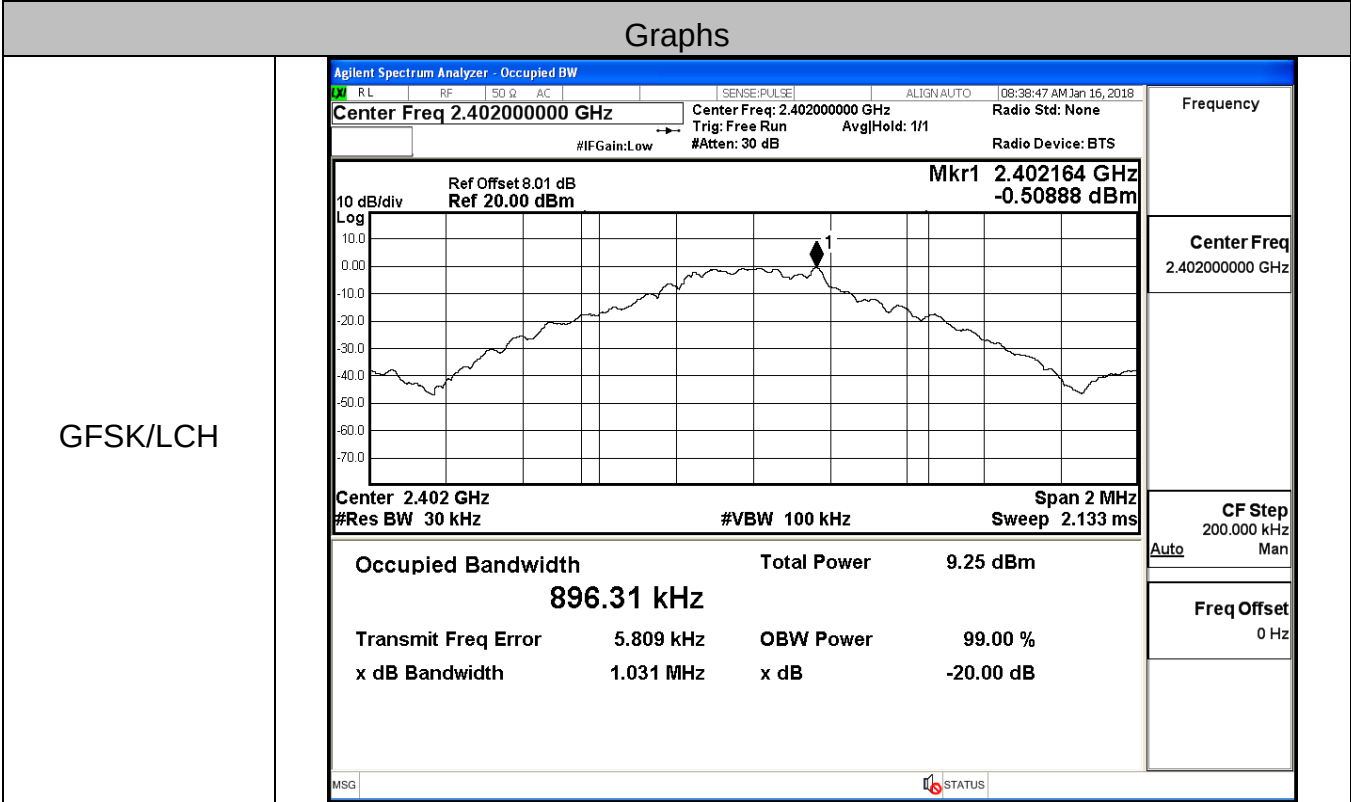
|                    |           |
|--------------------|-----------|
| Temperature:       | 24.6 ° C  |
| Relative Humidity: | 48%       |
| ATM Pressure:      | 100.0 kPa |
| Test Engineer:     | Mina.xu   |
| Supervised by:     | Tom.Liu   |

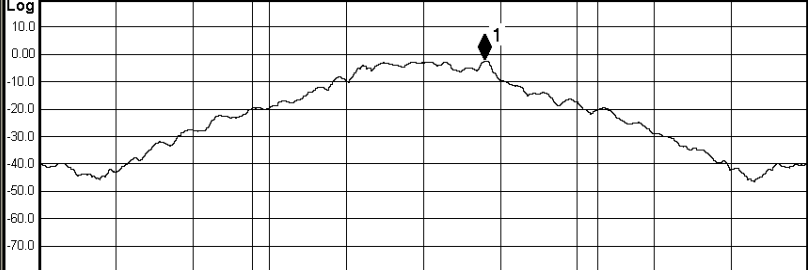
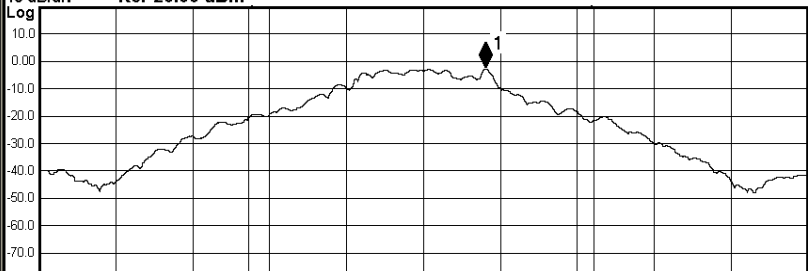
Appendix A): 20dB Bandwidth

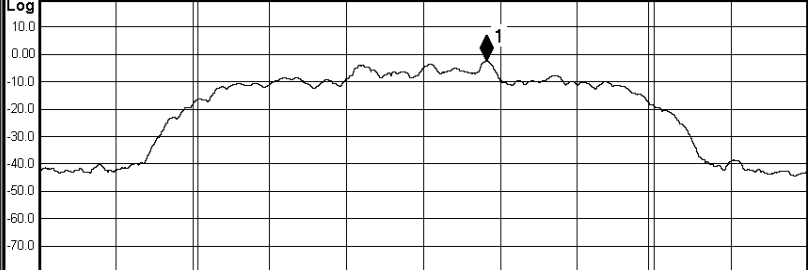
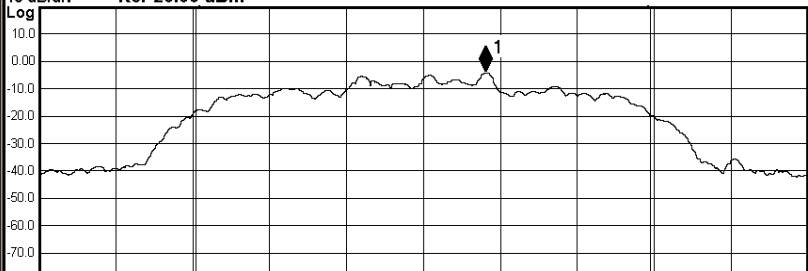
Test Result

| Mode          | Channel. | 20dB Bandwidth [MHz] | Verdict |
|---------------|----------|----------------------|---------|
| GFSK          | LCH      | 1.031                | PASS    |
| GFSK          | MCH      | 1.032                | PASS    |
| GFSK          | HCH      | 1.038                | PASS    |
| $\pi$ /4DQPSK | LCH      | 1.289                | PASS    |
| $\pi$ /4DQPSK | MCH      | 1.313                | PASS    |
| $\pi$ /4DQPSK | HCH      | 1.306                | PASS    |

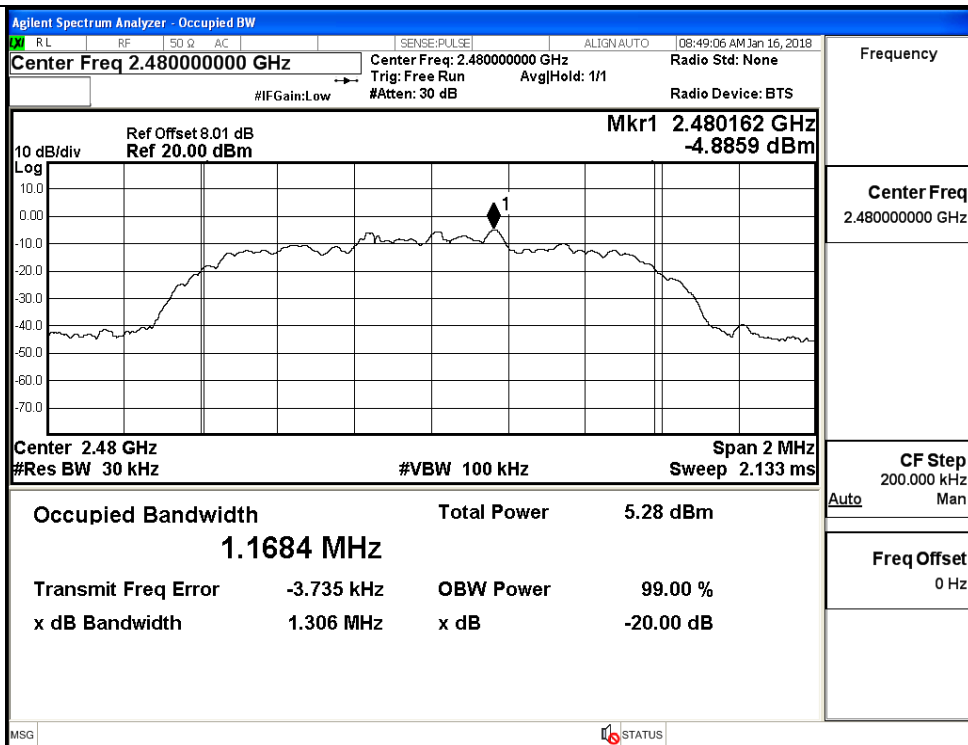
Test Graph



|                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|---------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <div>GFSK/MCH</div> | <div><div>Agilent Spectrum Analyzer - Occupied BW</div><div><div><div>RL</div><div>RF</div><div>50 Ω</div><div>AC</div></div><div><div>SENSE:PULSE</div><div>ALIGN:AUTO</div><div>08:41:08 AM Jan 16, 2018</div></div></div><div><div>Center Freq 2.441000000 GHz</div><div>Center Freq: 2.441000000 GHz</div><div>Radio Std: None</div></div><div><div>#IFGain:Low</div><div>Trig: Free Run</div><div>Avg Hold: 1/1</div><div>Radio Device: BTS</div></div><div><div>10 dB/div</div><div>Ref Offset 8.01 dB</div><div>Ref 20.00 dBm</div><div>Mkr1 2.44116 GHz</div><div>-2.4990 dBm</div></div><div></div><div><div>Center 2.441 GHz</div><div>#Res BW 30 kHz</div><div>#VBW 100 kHz</div><div>Span 2 MHz</div><div>Sweep 2.133 ms</div></div><div><div>Occupied Bandwidth</div><div>Total Power</div><div>7.32 dBm</div></div><div><div>894.76 kHz</div></div><div><div>Transmit Freq Error</div><div>4.526 kHz</div><div>OBW Power</div><div>99.00 %</div></div><div><div>x dB Bandwidth</div><div>1.032 MHz</div><div>x dB</div><div>-20.00 dB</div></div><div><div>MSG</div><div>STATUS</div></div></div> <div><div>Frequency</div><div>Center Freq</div><div>2.441000000 GHz</div><div>CF Step</div><div>200.000 kHz</div><div>Auto</div><div>Man</div><div>Freq Offset</div><div>0 Hz</div></div>    |
| <div>GFSK/HCH</div> | <div><div>Agilent Spectrum Analyzer - Occupied BW</div><div><div><div>RL</div><div>RF</div><div>50 Ω</div><div>AC</div></div><div><div>SENSE:PULSE</div><div>ALIGN:AUTO</div><div>08:42:44 AM Jan 16, 2018</div></div></div><div><div>Center Freq 2.480000000 GHz</div><div>Center Freq: 2.480000000 GHz</div><div>Radio Std: None</div></div><div><div>#IFGain:Low</div><div>Trig: Free Run</div><div>Avg Hold: 1/1</div><div>Radio Device: BTS</div></div><div><div>10 dB/div</div><div>Ref Offset 8.01 dB</div><div>Ref 20.00 dBm</div><div>Mkr1 2.480162 GHz</div><div>-2.8747 dBm</div></div><div></div><div><div>Center 2.48 GHz</div><div>#Res BW 30 kHz</div><div>#VBW 100 kHz</div><div>Span 2 MHz</div><div>Sweep 2.133 ms</div></div><div><div>Occupied Bandwidth</div><div>Total Power</div><div>6.96 dBm</div></div><div><div>892.47 kHz</div></div><div><div>Transmit Freq Error</div><div>-3.892 kHz</div><div>OBW Power</div><div>99.00 %</div></div><div><div>x dB Bandwidth</div><div>1.038 MHz</div><div>x dB</div><div>-20.00 dB</div></div><div><div>MSG</div><div>STATUS</div></div></div> <div><div>Frequency</div><div>Center Freq</div><div>2.480000000 GHz</div><div>CF Step</div><div>200.000 kHz</div><div>Auto</div><div>Man</div><div>Freq Offset</div><div>0 Hz</div></div> |

|                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|----------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <div><math>\pi/4</math>DQPSK/LCH</div> | <div><div>Agilent Spectrum Analyzer - Occupied BW</div><div><div><div>RL</div><div>RF</div><div>50 <math>\Omega</math></div><div>AC</div></div><div><div>SENSE:PULSE</div><div>ALIGN:AUTO</div><div>08:45:16 AM Jan 16, 2018</div></div></div><div><div>Center Freq 2.402000000 GHz</div><div>Center Freq: 2.402000000 GHz</div><div>Radio Std: None</div></div><div><div>#IFGain:Low</div><div>Trig: Free Run</div><div>Avg/Hold: 1/1</div><div>Radio Device: BTS</div></div><div><div>10 dB/div</div><div>Ref Offset 8.01 dB</div><div>Ref 20.00 dBm</div><div>Mkr1 2.402164 GHz</div><div>-2.6203 dBm</div></div><div></div><div><div>Center 2.402 GHz</div><div>#Res BW 30 kHz</div><div>#VBW 100 kHz</div><div>Span 2 MHz</div><div>Sweep 2.133 ms</div></div><div><div>Occupied Bandwidth</div><div>Total Power</div><div>7.38 dBm</div></div><div><div>1.1698 MHz</div></div><div><div>Transmit Freq Error</div><div>219 Hz</div><div>OBW Power</div><div>99.00 %</div></div><div><div>x dB Bandwidth</div><div>1.289 MHz</div><div>x dB</div><div>-20.00 dB</div></div><div><div>MSG</div><div>STATUS</div></div></div> <div><div>Frequency</div><div>Center Freq</div><div>2.402000000 GHz</div><div>CF Step</div><div>200.000 kHz</div><div>Auto</div><div>Man</div><div>Freq Offset</div><div>0 Hz</div></div>    |
| <div><math>\pi/4</math>DQPSK/MCH</div> | <div><div>Agilent Spectrum Analyzer - Occupied BW</div><div><div><div>RL</div><div>RF</div><div>50 <math>\Omega</math></div><div>AC</div></div><div><div>SENSE:PULSE</div><div>ALIGN:AUTO</div><div>08:47:32 AM Jan 16, 2018</div></div></div><div><div>Center Freq 2.441000000 GHz</div><div>Center Freq: 2.441000000 GHz</div><div>Radio Std: None</div></div><div><div>#IFGain:Low</div><div>Trig: Free Run</div><div>Avg/Hold: 1/1</div><div>Radio Device: BTS</div></div><div><div>10 dB/div</div><div>Ref Offset 8.01 dB</div><div>Ref 20.00 dBm</div><div>Mkr1 2.441162 GHz</div><div>-4.2486 dBm</div></div><div></div><div><div>Center 2.441 GHz</div><div>#Res BW 30 kHz</div><div>#VBW 100 kHz</div><div>Span 2 MHz</div><div>Sweep 2.133 ms</div></div><div><div>Occupied Bandwidth</div><div>Total Power</div><div>5.90 dBm</div></div><div><div>1.1777 MHz</div></div><div><div>Transmit Freq Error</div><div>-763 Hz</div><div>OBW Power</div><div>99.00 %</div></div><div><div>x dB Bandwidth</div><div>1.313 MHz</div><div>x dB</div><div>-20.00 dB</div></div><div><div>MSG</div><div>STATUS</div></div></div> <div><div>Frequency</div><div>Center Freq</div><div>2.441000000 GHz</div><div>CF Step</div><div>200.000 kHz</div><div>Auto</div><div>Man</div><div>Freq Offset</div><div>0 Hz</div></div> |

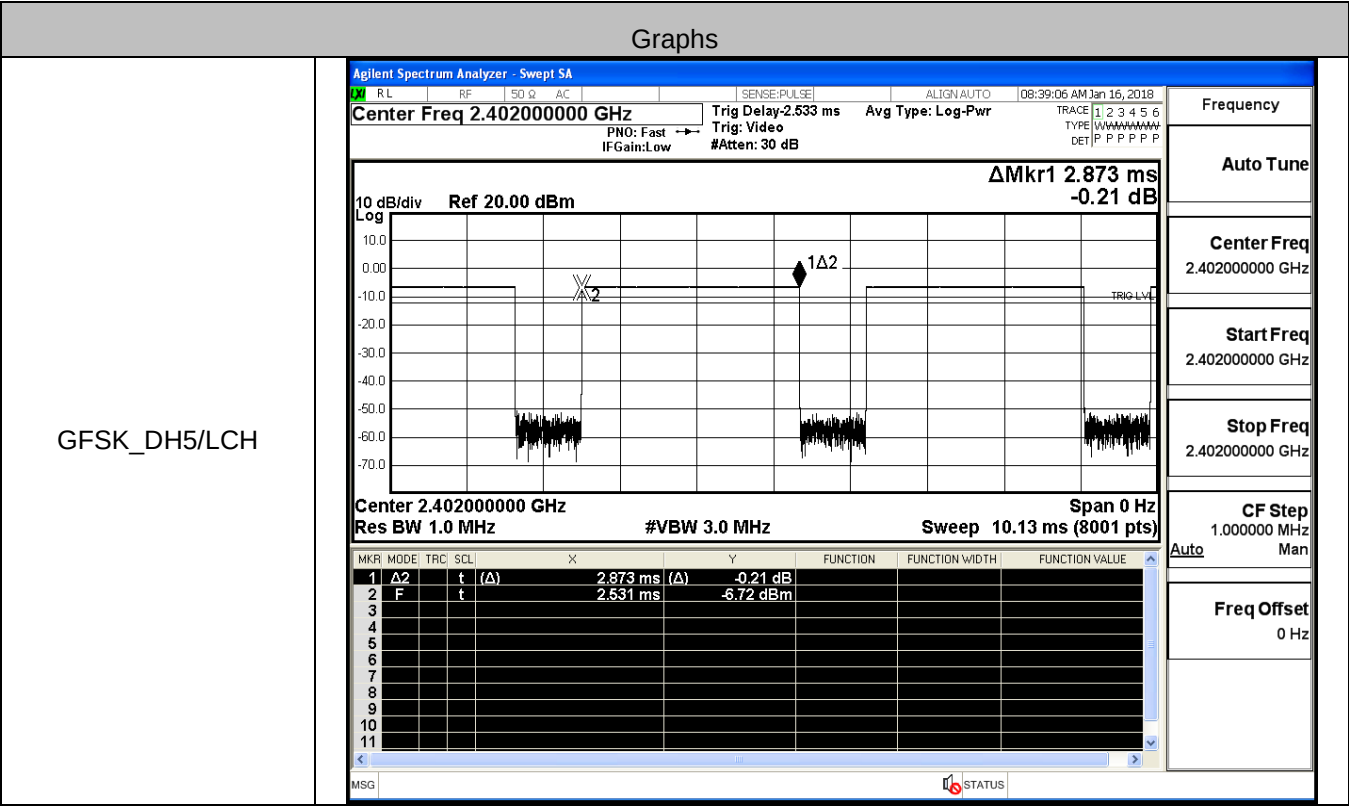
π/4DQPSK/HCH



Appendix B): Dwell Time  
Result Table

| Mode          | Packet | Chann<br>el | Burst Width<br>[ms/hop/ch] | Total<br>Hops[hop*ch] | Dwell<br>Time[s] | Limit [s] | Verdic<br>t |
|---------------|--------|-------------|----------------------------|-----------------------|------------------|-----------|-------------|
| GFSK          | DH5    | LCH         | 2.87                       | 106.7                 | 0.306            | 0.4       | PASS        |
| GFSK          | DH5    | MCH         | 2.87                       | 106.7                 | 0.306            | 0.4       | PASS        |
| GFSK          | DH5    | HCH         | 2.87                       | 106.7                 | 0.306            | 0.4       | PASS        |
| $\pi$ /4DQPSK | 2DH5   | LCH         | 2.87                       | 106.7                 | 0.307            | 0.4       | PASS        |
| $\pi$ /4DQPSK | 2DH5   | MCH         | 2.87                       | 106.7                 | 0.307            | 0.4       | PASS        |
| $\pi$ /4DQPSK | 2DH5   | HCH         | 2.87                       | 106.7                 | 0.307            | 0.4       | PASS        |

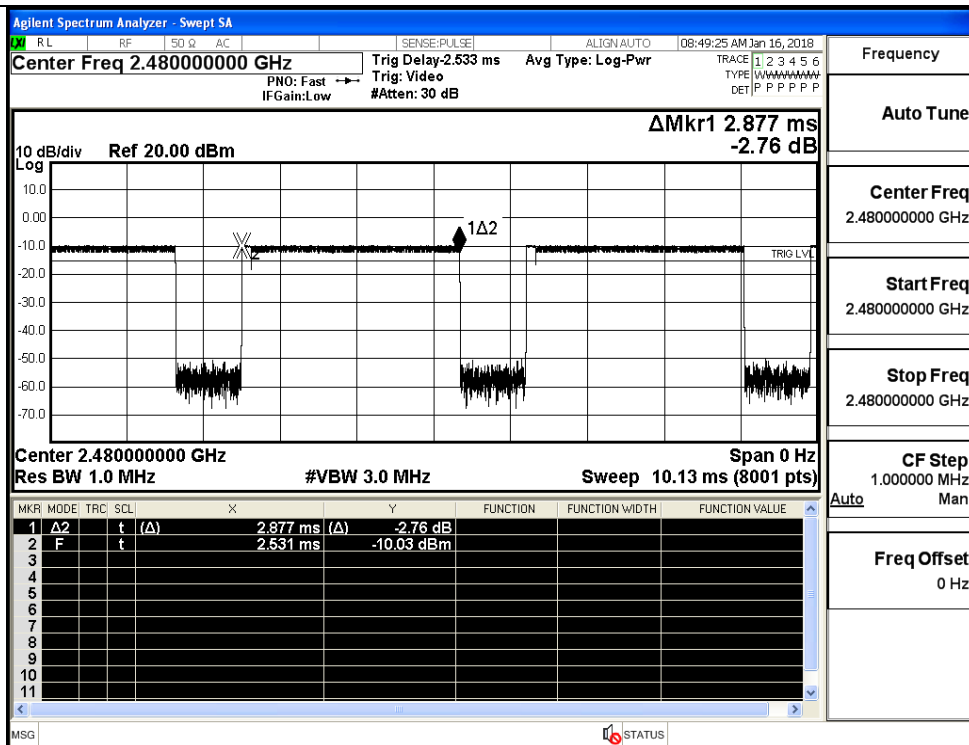
Test Graph



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[illegible]

π/4DQPSK  
\_2DH5/HCH



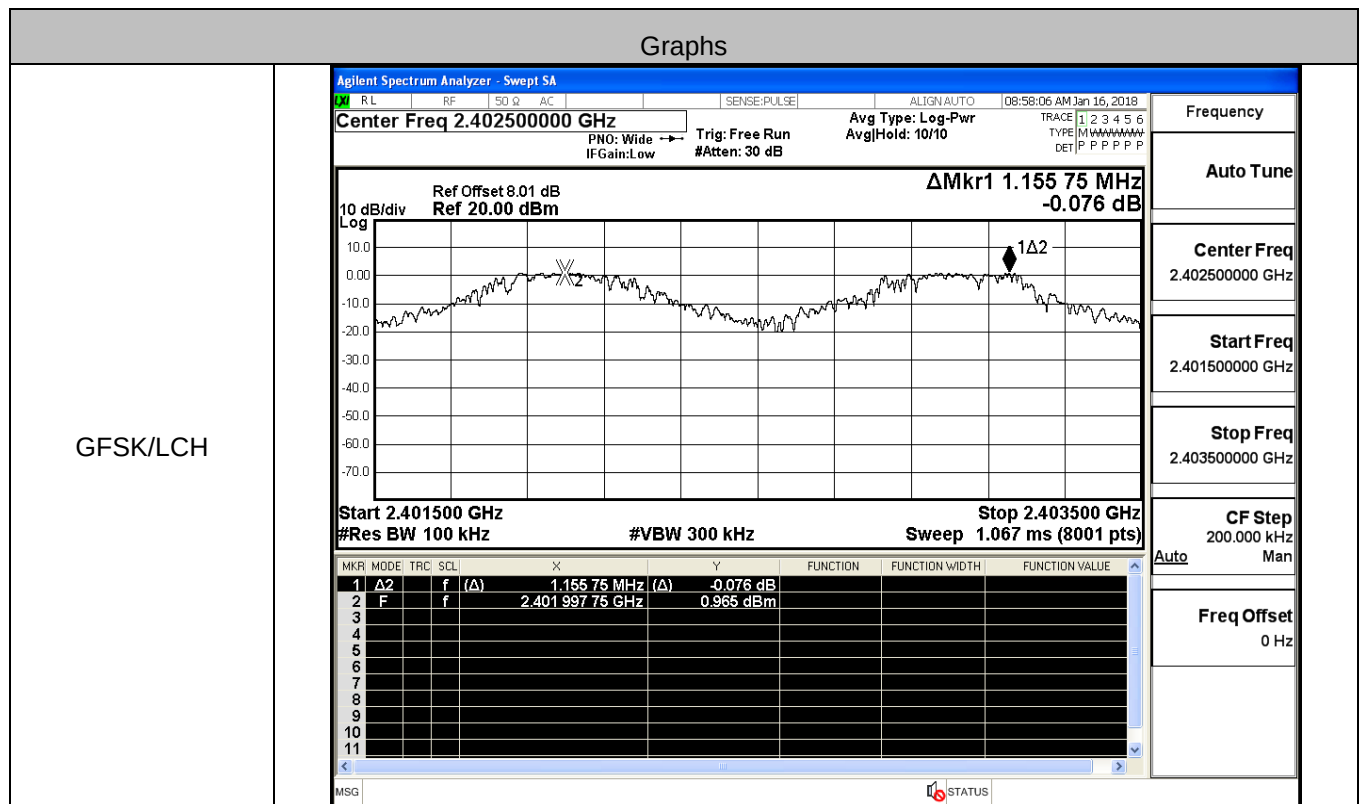


## Appendix C): Carrier Frequency Separation

## Result Table

| Mode          | Channel. | Carrier Frequency Separation [MHz] | Limit[MHz] | Verdict |
|---------------|----------|------------------------------------|------------|---------|
| GFSK          | LCH      | 1.156                              | 1.031      | PASS    |
| GFSK          | MCH      | 1.208                              | 1.032      | PASS    |
| GFSK          | HCH      | 1.188                              | 1.038      | PASS    |
| $\pi/4$ DQPSK | LCH      | 1.024                              | 0.86       | PASS    |
| $\pi/4$ DQPSK | MCH      | 1.014                              | 0.88       | PASS    |
| $\pi/4$ DQPSK | HCH      | 1.002                              | 0.87       | PASS    |

## Test Graph



GFSK/HCH

$\pi/4$ DQPSK/LCH

$\pi/4$ DQPSK/MCH

**Agilent Spectrum Analyzer - Swept SA**

Center Freq 2.402500000 GHz  
 PNO: Wide → IF Gain: Low  
 Trig: Free Run #Atten: 30 dB  
 #Avg Type: RMS Avg/Hold: 10/10  
 TRACE 1 2 3 4 5 6  
 TYPE M W M W M W M W  
 DET P P P P P P

Ref Offset 8.01 dB  
 Ref 20.00 dBm  
 ΔMkr1 1.024 MHz  
 0.668 dB

Start 2.401500 GHz  
 #Res BW 100 kHz  
 #VBW 300 kHz  
 Stop 2.403500 GHz  
 Sweep 1.000 ms (1001 pts)

| MKR | MODE | TRC | SCL | X            | Y   | FUNCTION   | FUNCTION WIDTH | FUNCTION VALUE |
|-----|------|-----|-----|--------------|-----|------------|----------------|----------------|
| 1   | Δ2   | f   | (Δ) | 1.024 MHz    | (Δ) | 0.668 dB   |                |                |
| 2   | F    | f   |     | 2.401832 GHz |     | -0.662 dBm |                |                |

MSG STATUS

**Agilent Spectrum Analyzer - Swept SA**

Center Freq 2.441500000 GHz  
 PNO: Wide → IF Gain: Low  
 Trig: Free Run #Atten: 30 dB  
 #Avg Type: RMS Avg/Hold: 10/10  
 TRACE 1 2 3 4 5 6  
 TYPE M W M W M W M W  
 DET P P P P P P

Ref Offset 8.01 dB  
 Ref 20.00 dBm  
 ΔMkr1 1.014 MHz  
 -0.002 dB

Start 2.440500 GHz  
 #Res BW 100 kHz  
 #VBW 300 kHz  
 Stop 2.442500 GHz  
 Sweep 1.000 ms (1001 pts)

| MKR | MODE | TRC | SCL | X            | Y   | FUNCTION   | FUNCTION WIDTH | FUNCTION VALUE |
|-----|------|-----|-----|--------------|-----|------------|----------------|----------------|
| 1   | Δ2   | f   | (Δ) | 1.014 MHz    | (Δ) | -0.002 dB  |                |                |
| 2   | F    | f   |     | 2.441154 GHz |     | -1.613 dBm |                |                |

MSG STATUS

Frequency

Auto Tune

Center Freq  
2.402500000 GHz

Start Freq  
2.401500000 GHz

Stop Freq  
2.403500000 GHz

CF Step  
200.000 kHz

Auto Man

Freq Offset  
0 Hz

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

Agilent Spectrum Analyzer - Swept SA

RL RF SO Q AC SENSE:PULSE ALIGN:AUTO 09:03:28 AM Jan 16, 2018

**Center Freq 2.479500000 GHz**

PNO: Wide → Trig: Free Run #Avg Type: RMS AvgHld: 10/10  
IFGain: Low #Atten: 30 dB

TRACE 1 2 3 4 5 6 TYPE M W A V I H N DET P P P P P P

Ref Offset 8.01 dB ΔMkr1 1.002 MHz  
Ref 20.00 dBm -0.303 dB

Start 2.478500 GHz Stop 2.480500 GHz  
#Res BW 100 kHz #VBW 300 kHz Sweep 1.000 ms (1001 pts)

| MKR | MODE | TRC | SCL | X             | Y          | FUNCTION | FUNCTION WIDTH | FUNCTION VALUE |
|-----|------|-----|-----|---------------|------------|----------|----------------|----------------|
| 1   | Δ2   | f   | (Δ) | 1.002 MHz     | -0.303 dB  |          |                |                |
| 2   | F    | f   |     | 2.478 810 GHz | -2.617 dBm |          |                |                |
| 3   |      |     |     |               |            |          |                |                |
| 4   |      |     |     |               |            |          |                |                |
| 5   |      |     |     |               |            |          |                |                |
| 6   |      |     |     |               |            |          |                |                |
| 7   |      |     |     |               |            |          |                |                |
| 8   |      |     |     |               |            |          |                |                |
| 9   |      |     |     |               |            |          |                |                |
| 10  |      |     |     |               |            |          |                |                |
| 11  |      |     |     |               |            |          |                |                |

Auto

CF Step 200.000 kHz Man  
Freq Offset 0 Hz

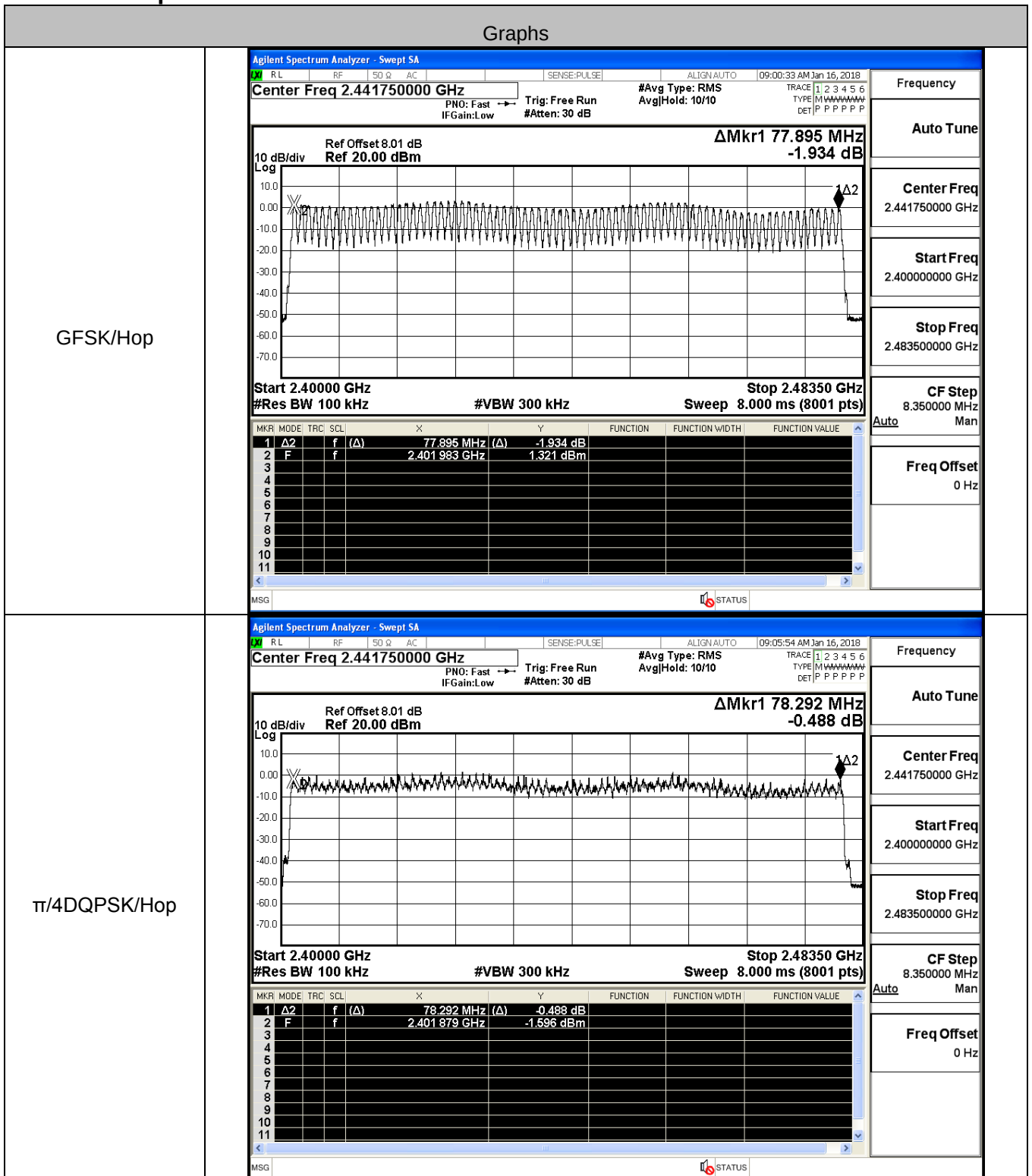
MSG STATUS

## Appendix D): Hopping Channel Number

## Result Table

| Mode          | Channel. | Number of Hopping Channel | Verdict |
|---------------|----------|---------------------------|---------|
| GFSK          | Hop      | 79                        | PASS    |
| $\pi/4$ DQPSK | Hop      | 79                        | PASS    |

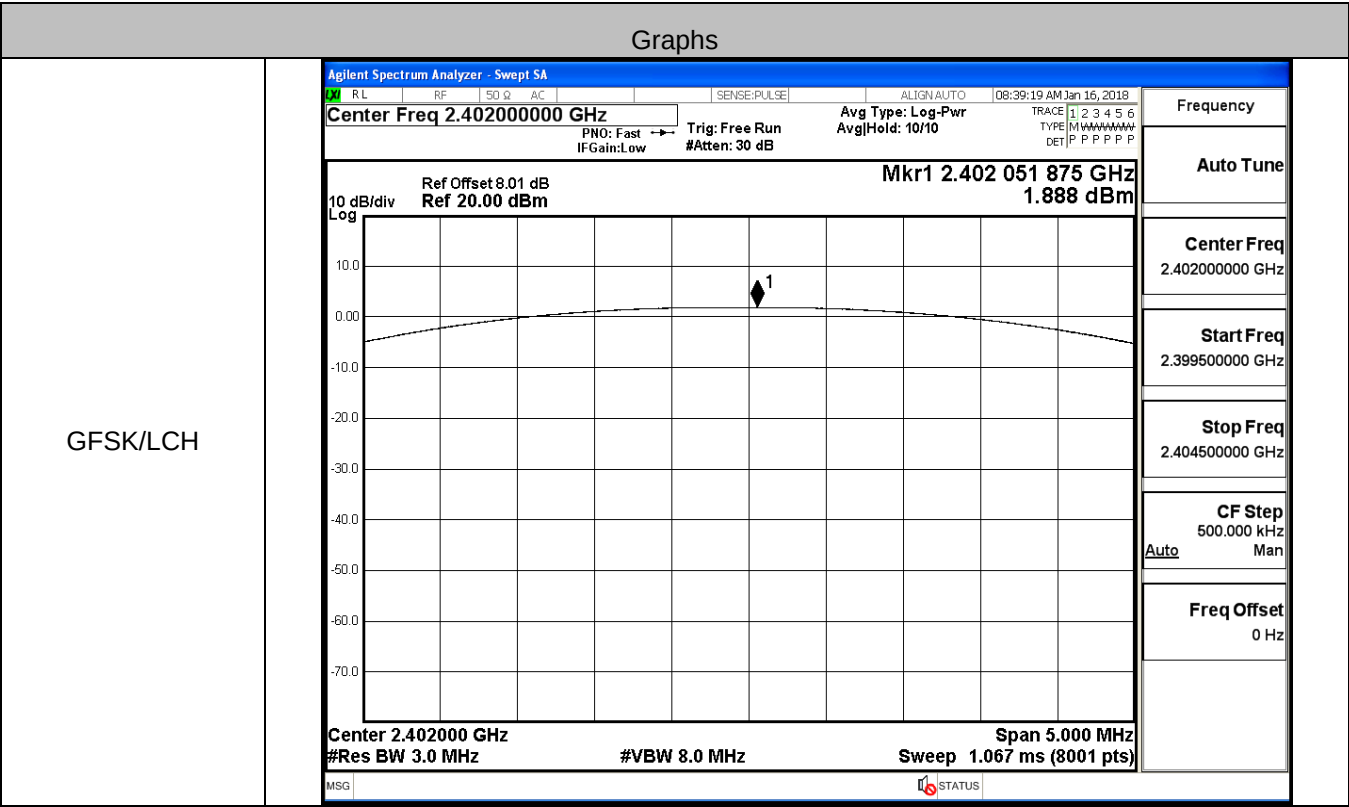
## Test Graph



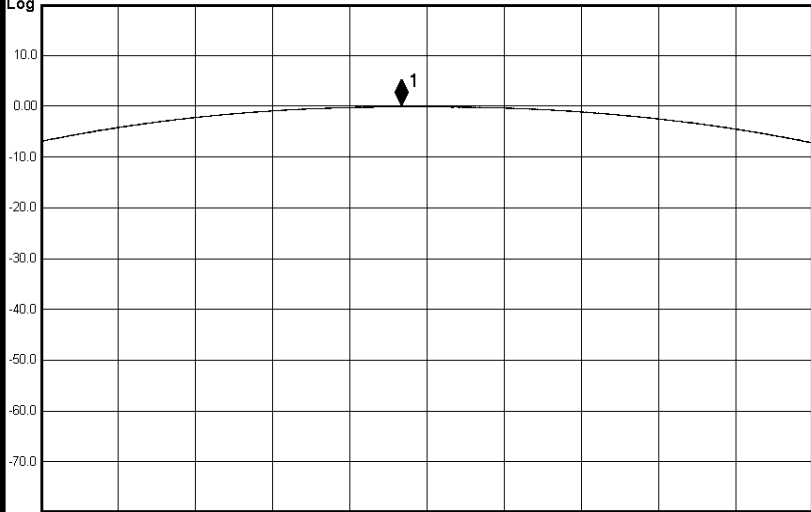
Appendix E): Conducted Peak Output Power  
Result Table

| Mode          | Channel. | Maximum Peak Output Power [dBm] | Limit[dBm] | Verdict |
|---------------|----------|---------------------------------|------------|---------|
| GFSK          | LCH      | 1.888                           | 30         | PASS    |
| GFSK          | MCH      | -0.114                          | 30         | PASS    |
| GFSK          | HCH      | -0.242                          | 30         | PASS    |
| $\pi/4$ DQPSK | LCH      | 1.145                           | 21         | PASS    |
| $\pi/4$ DQPSK | MCH      | -0.686                          | 21         | PASS    |
| $\pi/4$ DQPSK | HCH      | -0.968                          | 21         | PASS    |

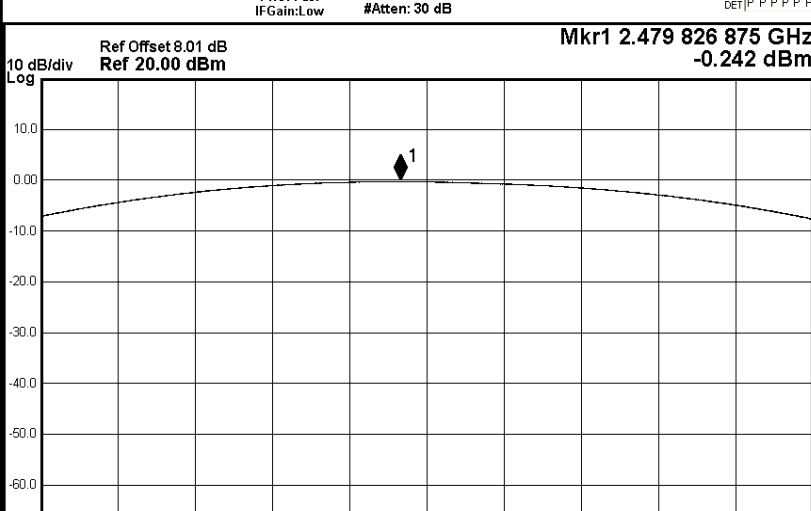
Test Graph

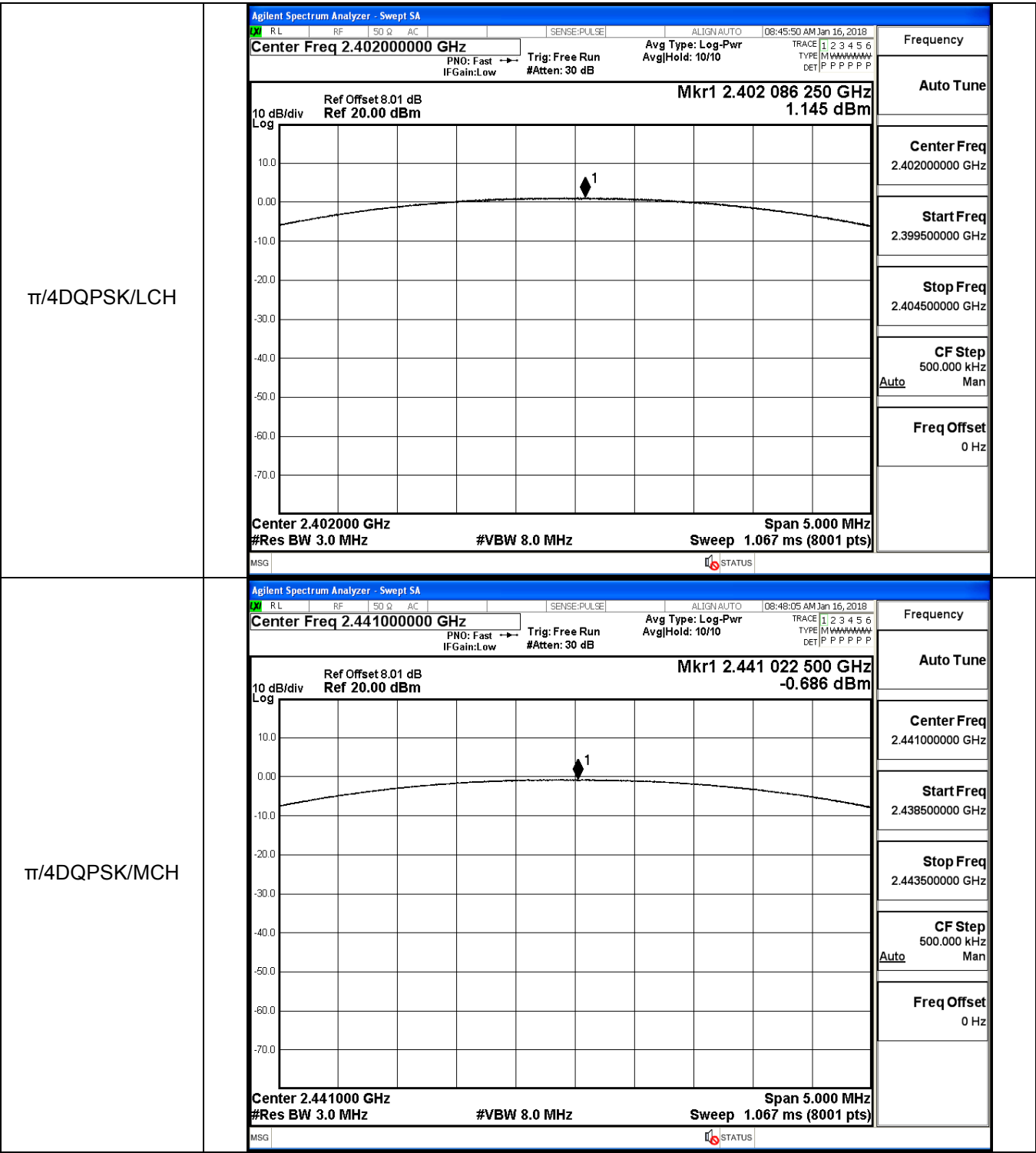


GFSK/MCH

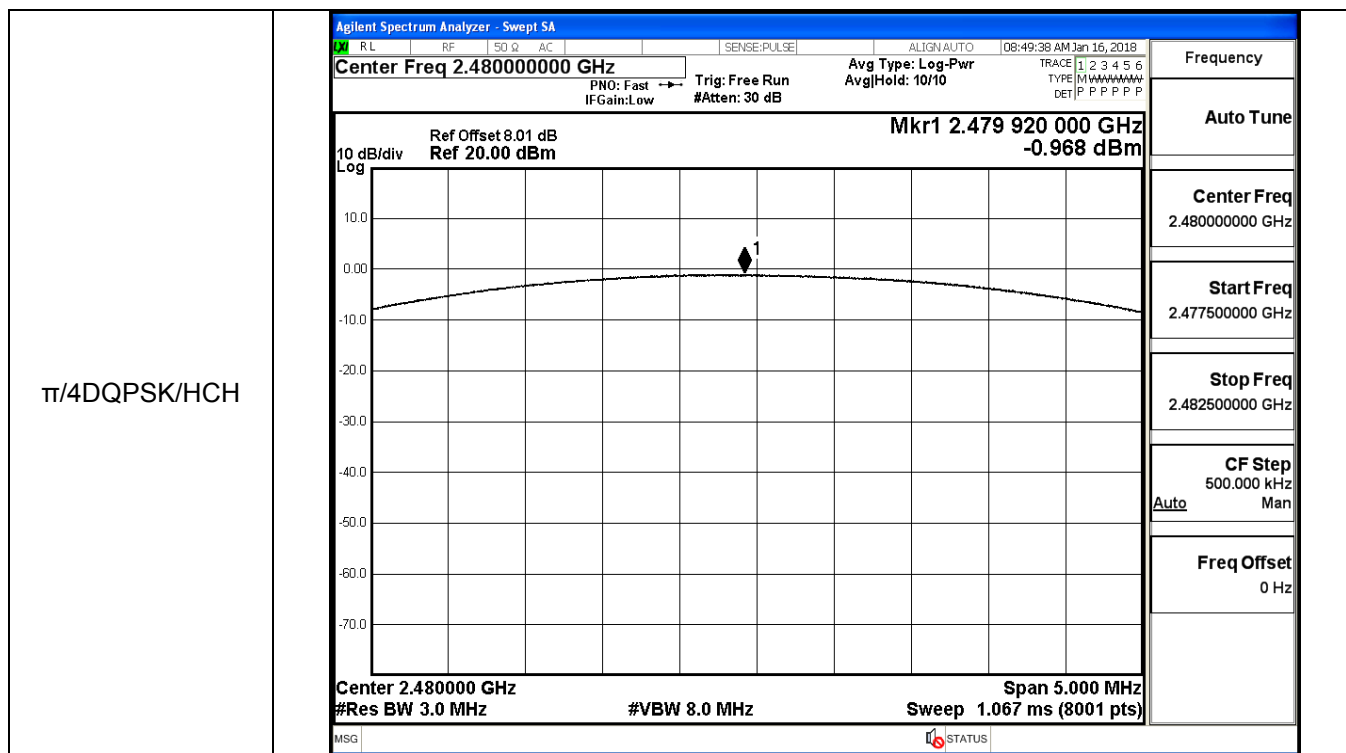
| Agilent Spectrum Analyzer - Swept SA                                               |    |      |    |  |                              |             |                          |  |                          | Frequency                         |  |                           |  |
|------------------------------------------------------------------------------------|----|------|----|--|------------------------------|-------------|--------------------------|--|--------------------------|-----------------------------------|--|---------------------------|--|
| <input checked="" type="checkbox"/> R L                                            | RF | SO Q | AC |  | SENSE: PULSE                 | ALIGN: AUTO | 08:41:40 AM Jan 16, 2018 |  |                          | TRACE 1 2 3 4 5 6                 |  |                           |  |
| Center Freq 2.441000000 GHz                                                        |    |      |    |  | Avg Type: Log-Pwr            |             | AvalHold: 10/10          |  | TYPE M W M M M M M M M M |                                   |  |                           |  |
| PNO: Fast IFGain: Low                                                              |    |      |    |  | Trig: Free Run #Atten: 30 dB |             |                          |  | DET P P P P P P P P      |                                   |  |                           |  |
| Ref Offset 8.01 dB Ref 20.00 dBm                                                   |    |      |    |  |                              |             |                          |  |                          | Mkr1 2.440 834 375 GHz -0.114 dBm |  |                           |  |
| 10 dB/div Log                                                                      |    |      |    |  |                              |             |                          |  |                          |                                   |  |                           |  |
|  |    |      |    |  |                              |             |                          |  |                          |                                   |  |                           |  |
| Center 2.441000 GHz #Res BW 3.0 MHz                                                |    |      |    |  |                              |             |                          |  |                          | #VBW 8.0 MHz                      |  | Sweep 1.067 ms (8001 pts) |  |
| MSG                                                                                |    |      |    |  |                              |             |                          |  |                          | STATUS                            |  |                           |  |
|                                                                                    |    |      |    |  |                              |             |                          |  |                          | Auto Tune                         |  |                           |  |
|                                                                                    |    |      |    |  |                              |             |                          |  |                          | Center Freq 2.441000000 GHz       |  |                           |  |
|                                                                                    |    |      |    |  |                              |             |                          |  |                          | Start Freq 2.438500000 GHz        |  |                           |  |
|                                                                                    |    |      |    |  |                              |             |                          |  |                          | Stop Freq 2.443500000 GHz         |  |                           |  |
|                                                                                    |    |      |    |  |                              |             |                          |  |                          | CF Step 500.000 kHz               |  | Auto Man                  |  |
|                                                                                    |    |      |    |  |                              |             |                          |  |                          | Freq Offset 0 Hz                  |  |                           |  |

GFSK/HCH

| Agilent Spectrum Analyzer - Swept SA                                                 |    |      |    |  |                              |             |                          |  |                          | Frequency                         |  |                           |  |
|--------------------------------------------------------------------------------------|----|------|----|--|------------------------------|-------------|--------------------------|--|--------------------------|-----------------------------------|--|---------------------------|--|
| <input checked="" type="checkbox"/> R L                                              | RF | SO Q | AC |  | SENSE: PULSE                 | ALIGN: AUTO | 08:43:17 AM Jan 16, 2018 |  |                          | TRACE 1 2 3 4 5 6                 |  |                           |  |
| Center Freq 2.480000000 GHz                                                          |    |      |    |  | Avg Type: Log-Pwr            |             | AvalHold: 10/10          |  | TYPE M W M M M M M M M M |                                   |  |                           |  |
| PNO: Fast IFGain: Low                                                                |    |      |    |  | Trig: Free Run #Atten: 30 dB |             |                          |  | DET P P P P P P P P      |                                   |  |                           |  |
| Ref Offset 8.01 dB Ref 20.00 dBm                                                     |    |      |    |  |                              |             |                          |  |                          | Mkr1 2.479 826 875 GHz -0.242 dBm |  |                           |  |
| 10 dB/div Log                                                                        |    |      |    |  |                              |             |                          |  |                          |                                   |  |                           |  |
|  |    |      |    |  |                              |             |                          |  |                          |                                   |  |                           |  |
| Center 2.480000 GHz #Res BW 3.0 MHz                                                  |    |      |    |  |                              |             |                          |  |                          | #VBW 8.0 MHz                      |  | Sweep 1.067 ms (8001 pts) |  |
| MSG                                                                                  |    |      |    |  |                              |             |                          |  |                          | STATUS                            |  |                           |  |
|                                                                                      |    |      |    |  |                              |             |                          |  |                          | Auto Tune                         |  |                           |  |
|                                                                                      |    |      |    |  |                              |             |                          |  |                          | Center Freq 2.480000000 GHz       |  |                           |  |
|                                                                                      |    |      |    |  |                              |             |                          |  |                          | Start Freq 2.477500000 GHz        |  |                           |  |
|                                                                                      |    |      |    |  |                              |             |                          |  |                          | Stop Freq 2.482500000 GHz         |  |                           |  |
|                                                                                      |    |      |    |  |                              |             |                          |  |                          | CF Step 500.000 kHz               |  | Auto Man                  |  |
|                                                                                      |    |      |    |  |                              |             |                          |  |                          | Freq Offset 0 Hz                  |  |                           |  |





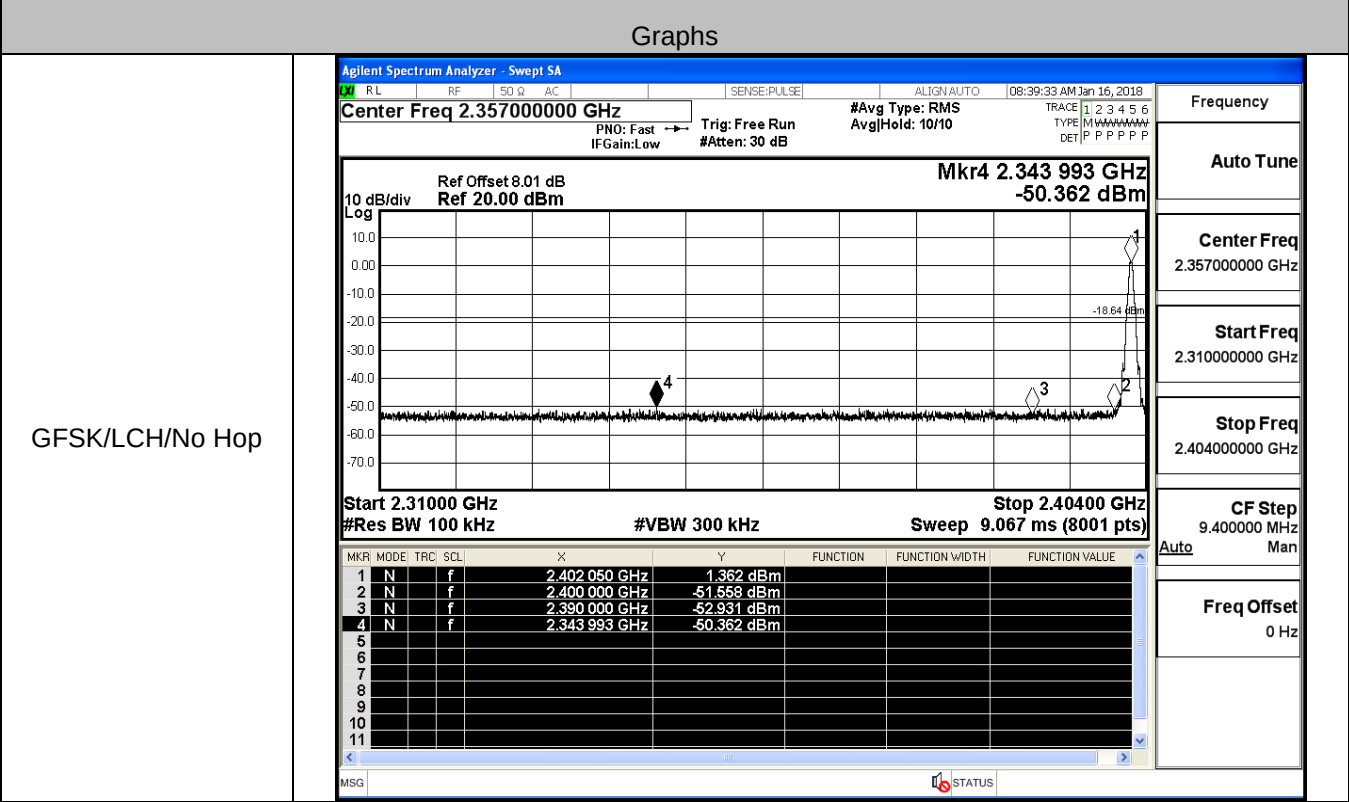


Appendix F): Band-edge for RF Conducted Emissions

Result Table

| Mode          | Channel | Carrier Frequency [MHz] | Carrier Power [dBm] | Frequency Hopping | Max Spurious Level [dBm] | Limit [dBm] | Verdict |
|---------------|---------|-------------------------|---------------------|-------------------|--------------------------|-------------|---------|
| GFSK          | LCH     | 2402                    | 1.362               | Off               | -50.362                  | -18.64      | PASS    |
|               |         |                         | 3.321               | On                | -49.938                  | -16.68      | PASS    |
| GFSK          | HCH     | 2480                    | -0.733              | Off               | -50.007                  | -20.73      | PASS    |
|               |         |                         | 2.754               | On                | -49.805                  | -17.25      | PASS    |
| $\pi$ /4DQPSK | LCH     | 2402                    | 0.198               | Off               | -50.714                  | -19.8       | PASS    |
|               |         |                         | 1.934               | On                | -48.948                  | -18.07      | PASS    |
| $\pi$ /4DQPSK | HCH     | 2480                    | -1.782              | Off               | -49.918                  | -21.78      | PASS    |
|               |         |                         | 0.910               | On                | -49.481                  | -19.09      | PASS    |

Test Graph



GFSK/HCH/No Hop

GFSK/HCH/Hop

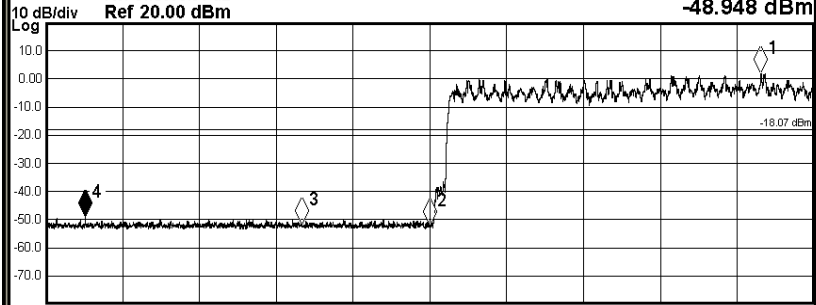
$\pi/4$ DQPSK/LCH/No  
Hop

|                                                                        |
|------------------------------------------------------------------------|
| <div data-bbox="181 600 442 633"><math>\pi/4</math>DQPSK/LCH/Hop</div> |
|------------------------------------------------------------------------|

Agilent Spectrum Analyzer - Swept SA

Center Freq 2.400000000 GHz

Ref Offset 8.01 dB  
Ref 20.00 dBm



Center 2.40000 GHz  
#Res BW 100 kHz  
#VBW 300 kHz  
Span 60.00 MHz  
Sweep 5.867 ms (8001 pts)

| MKR | MODE | TRC | SCL | X               | Y           | FUNCTION | FUNCTION WIDTH | FUNCTION VALUE |
|-----|------|-----|-----|-----------------|-------------|----------|----------------|----------------|
| 1   | N    | f   |     | 2.425 845 0 GHz | -1.934 dBm  |          |                |                |
| 2   | N    | f   |     | 2.400 000 0 GHz | -52.158 dBm |          |                |                |
| 3   | N    | f   |     | 2.390 000 0 GHz | -51.680 dBm |          |                |                |
| 4   | N    | f   |     | 2.373 090 0 GHz | -48.948 dBm |          |                |                |
| 5   |      |     |     |                 |             |          |                |                |
| 6   |      |     |     |                 |             |          |                |                |
| 7   |      |     |     |                 |             |          |                |                |
| 8   |      |     |     |                 |             |          |                |                |
| 9   |      |     |     |                 |             |          |                |                |
| 10  |      |     |     |                 |             |          |                |                |
| 11  |      |     |     |                 |             |          |                |                |

Frequency

Auto Tune

Center Freq  
2.400000000 GHz

Start Freq  
2.370000000 GHz

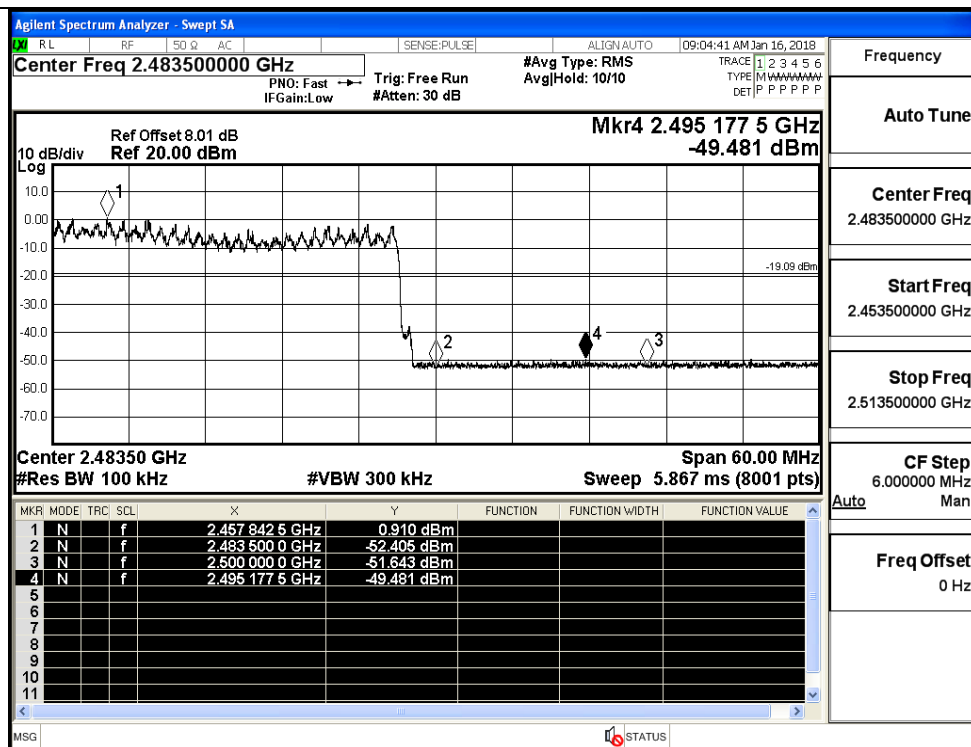
Stop Freq  
2.430000000 GHz

CF Step  
6.000000 MHz

Auto Man

Freq Offset  
0 Hz

$\pi/4$ DQPSK/HCH/Hop

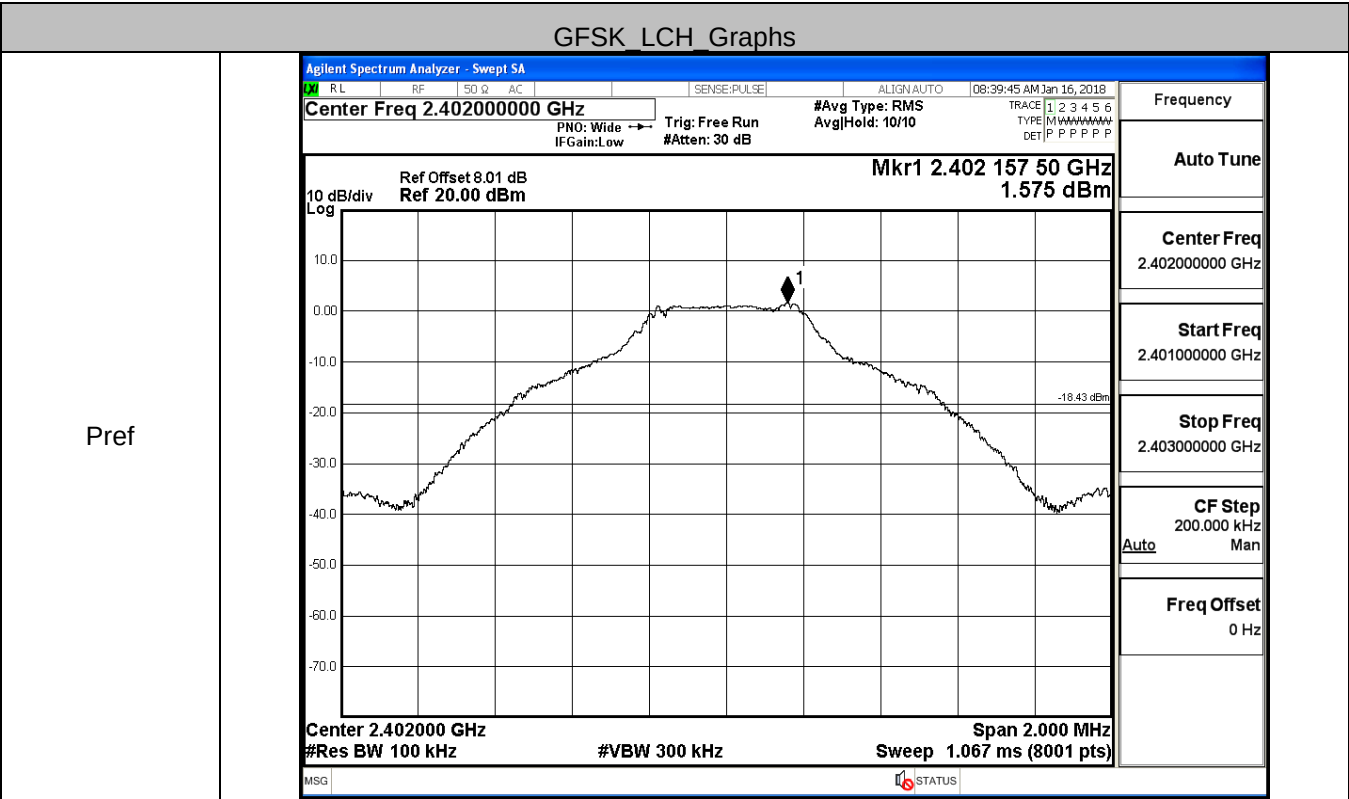


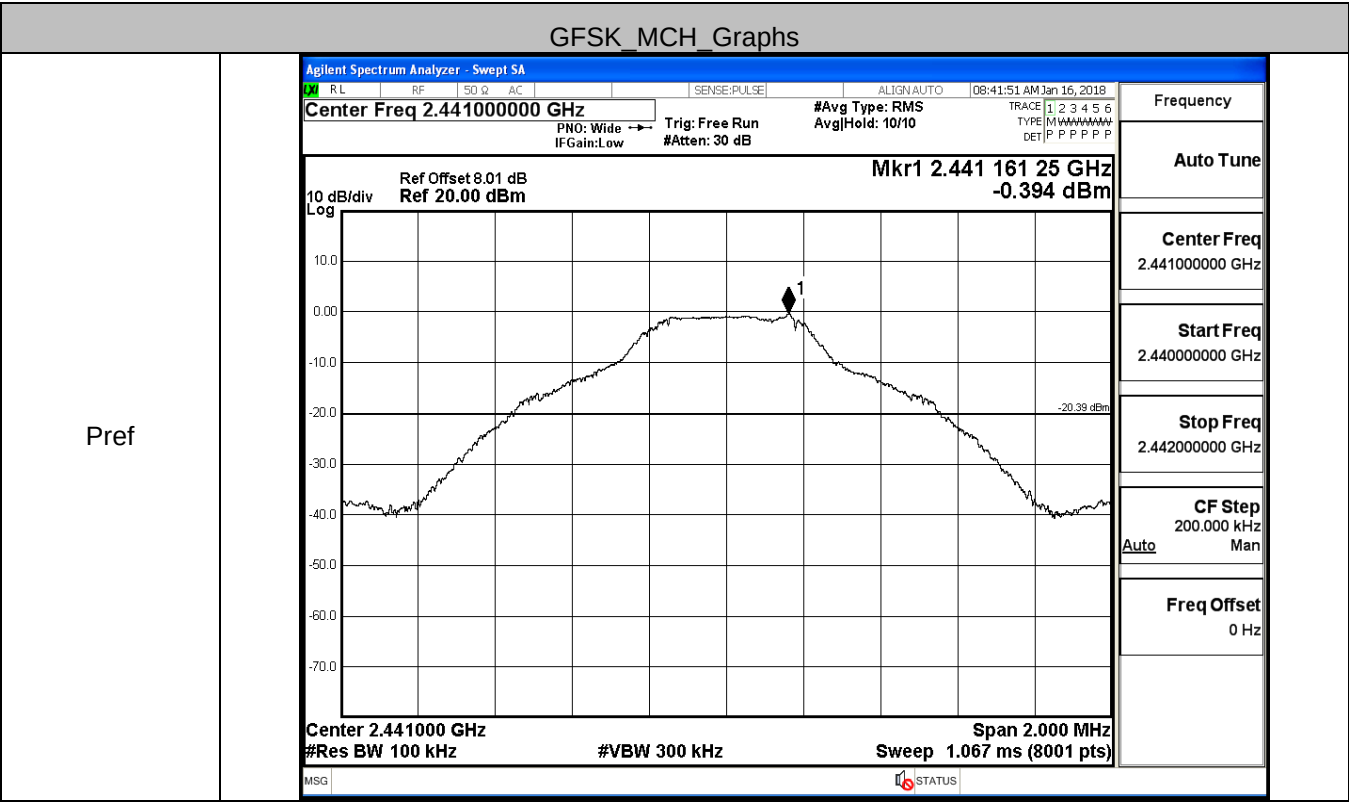
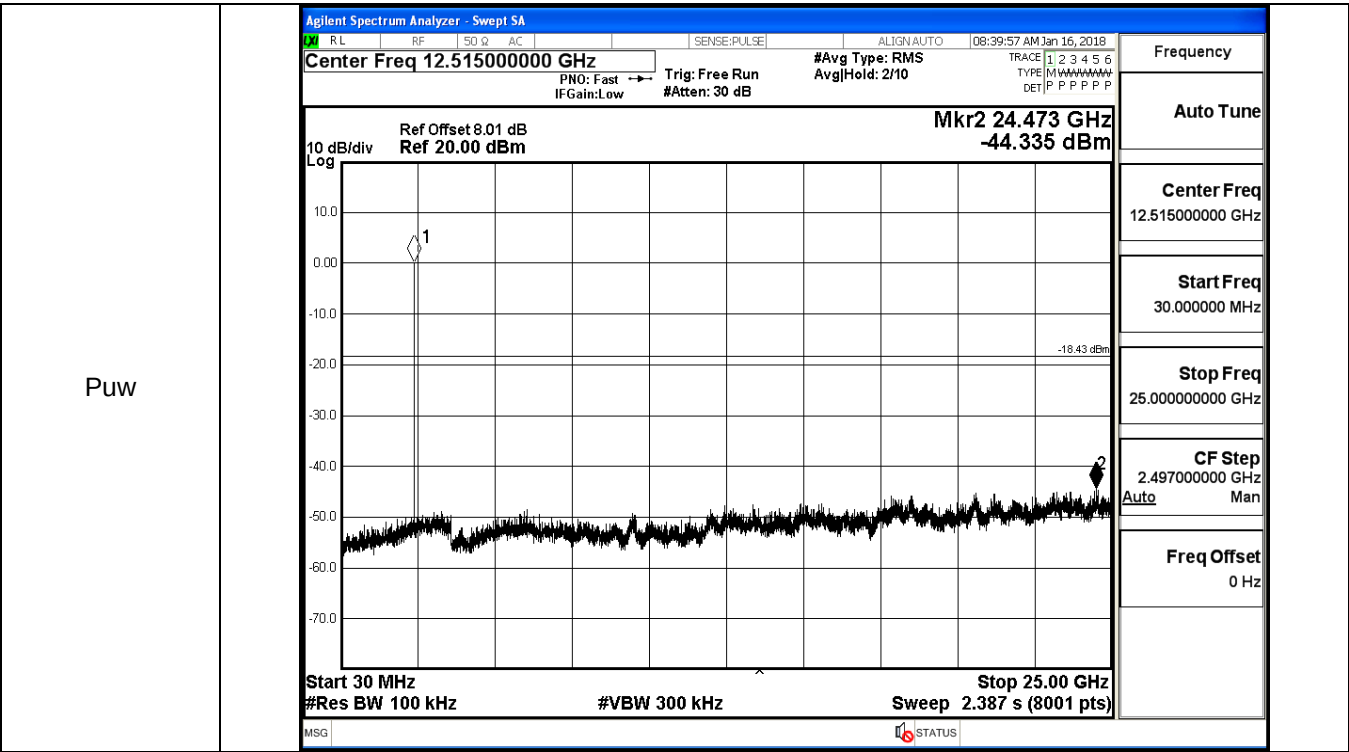
Appendix G): RF Conducted Spurious Emissions

Result Table

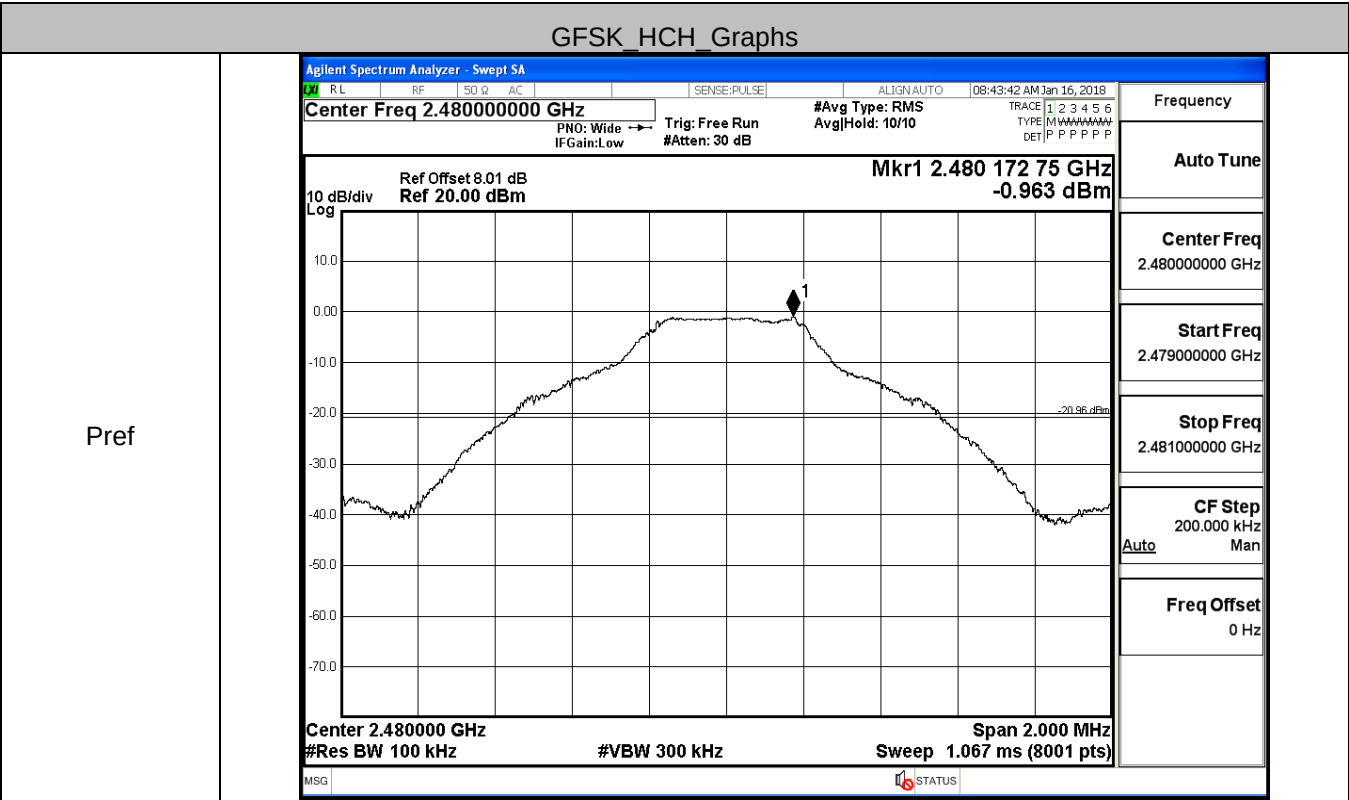
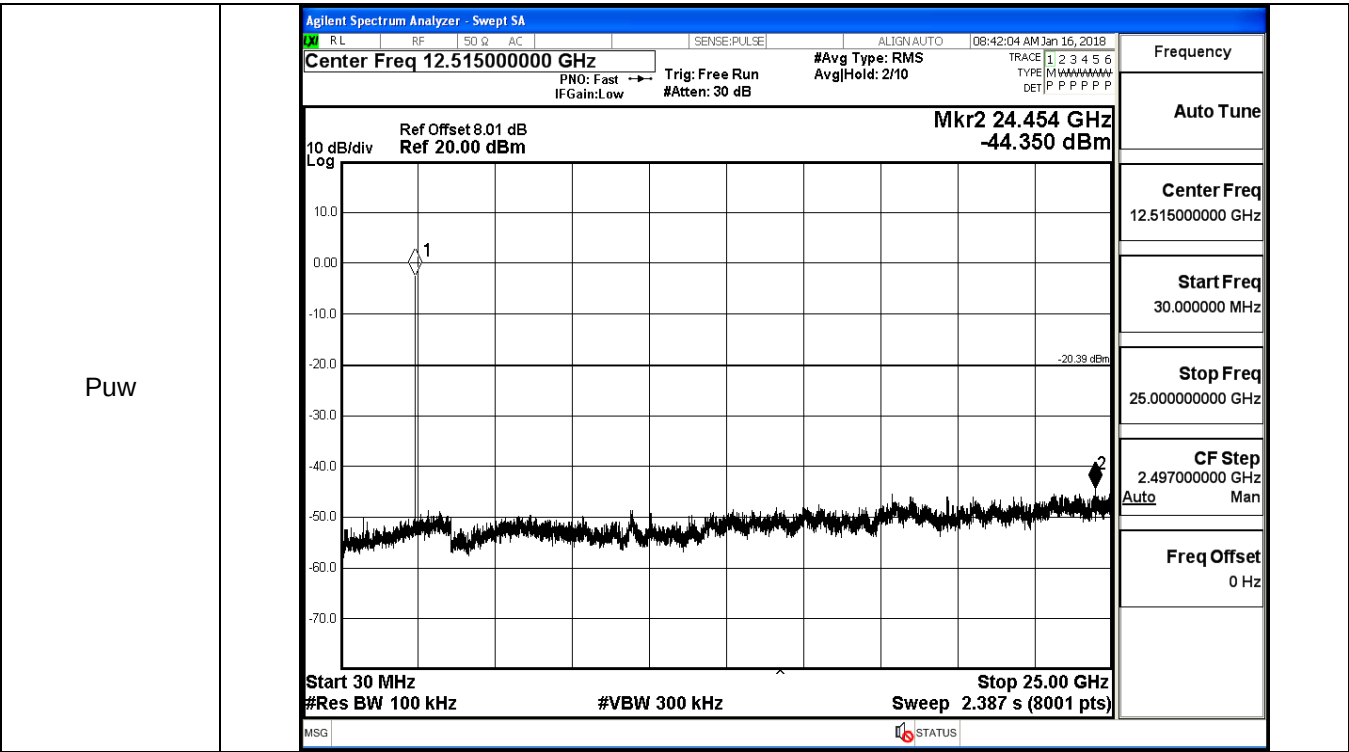
| Mode          | Channel | Pref [dBm] | Limit [dBm] | Verdict |
|---------------|---------|------------|-------------|---------|
| GFSK          | LCH     | 1.575      | <-18.43     | PASS    |
| GFSK          | MCH     | -0.394     | <-20.39     | PASS    |
| GFSK          | HCH     | -0.963     | <-20.96     | PASS    |
| $\pi/4$ DQPSK | LCH     | 0.124      | <-19.88     | PASS    |
| $\pi/4$ DQPSK | MCH     | -1.723     | <-21.72     | PASS    |
| $\pi/4$ DQPSK | HCH     | -1.862     | <-21.88     | PASS    |

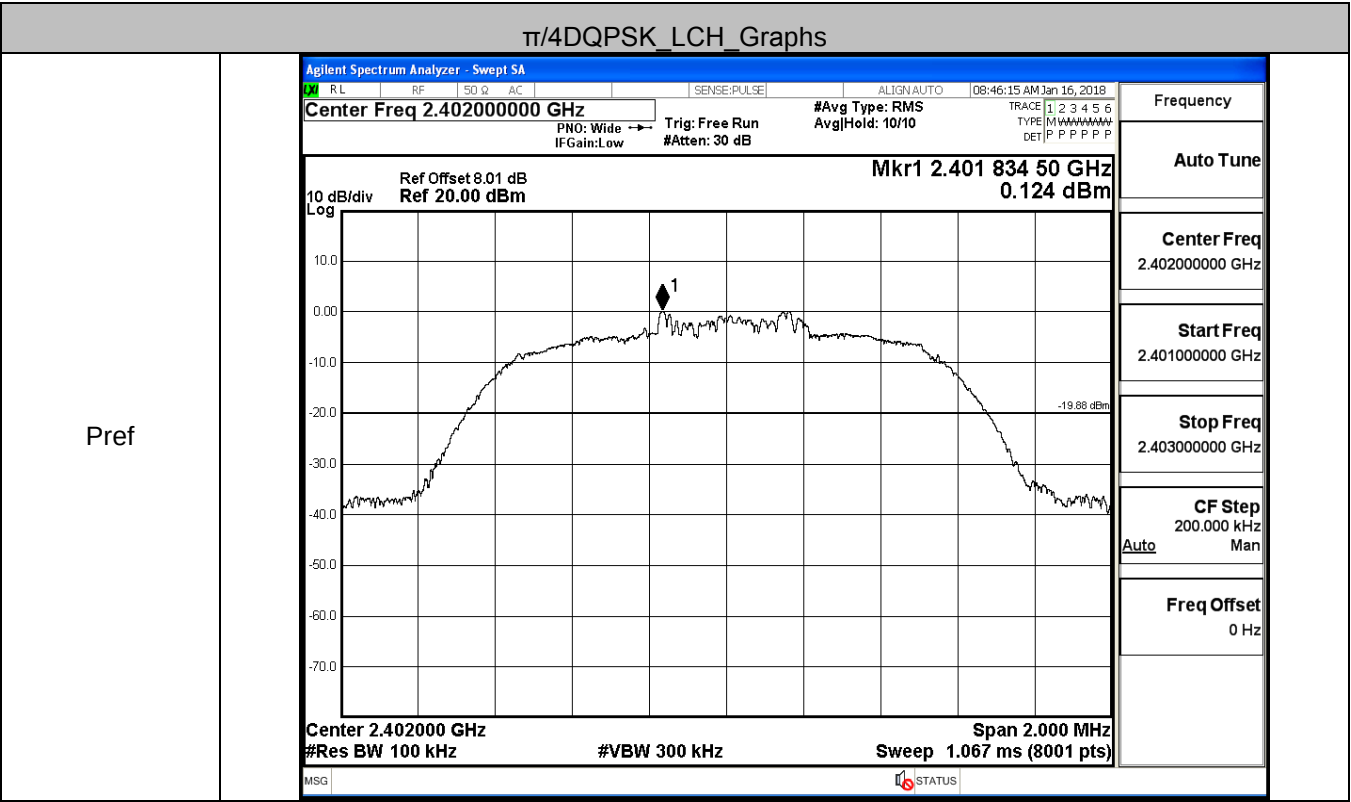
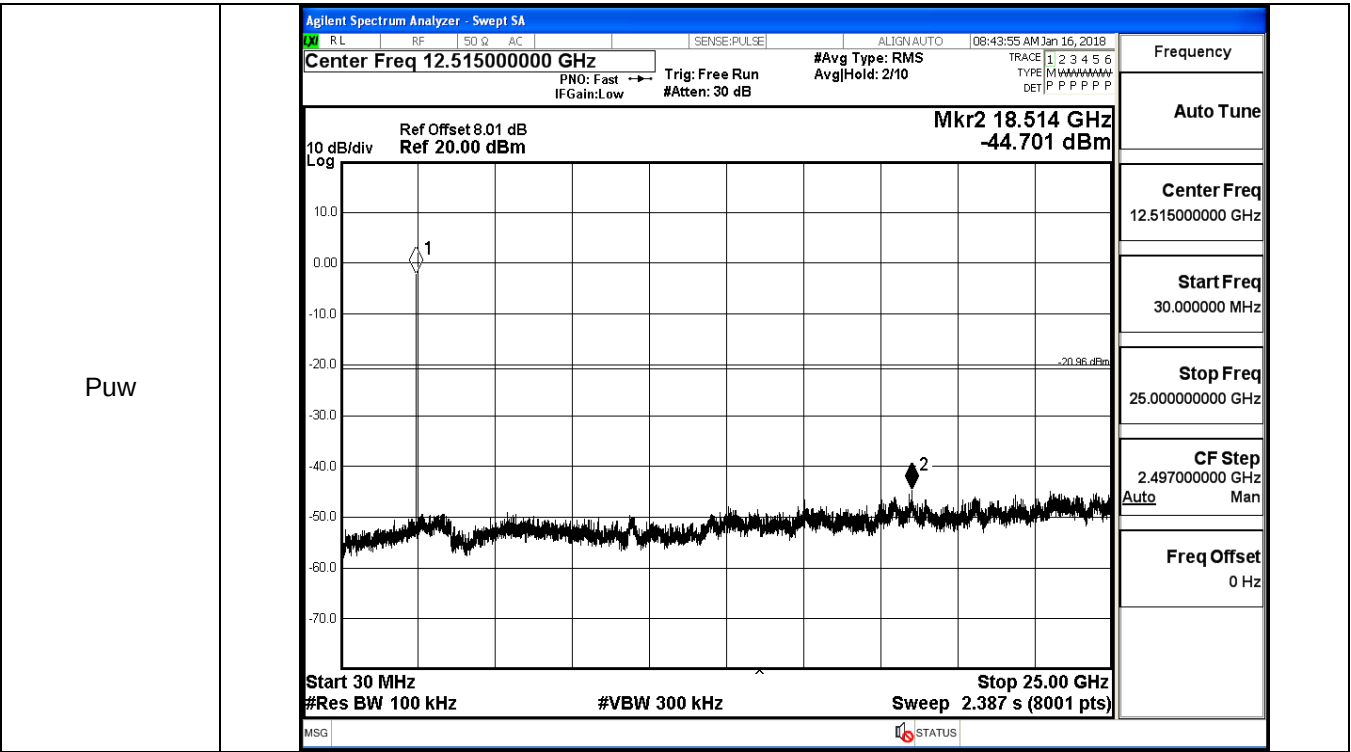
Test Graph

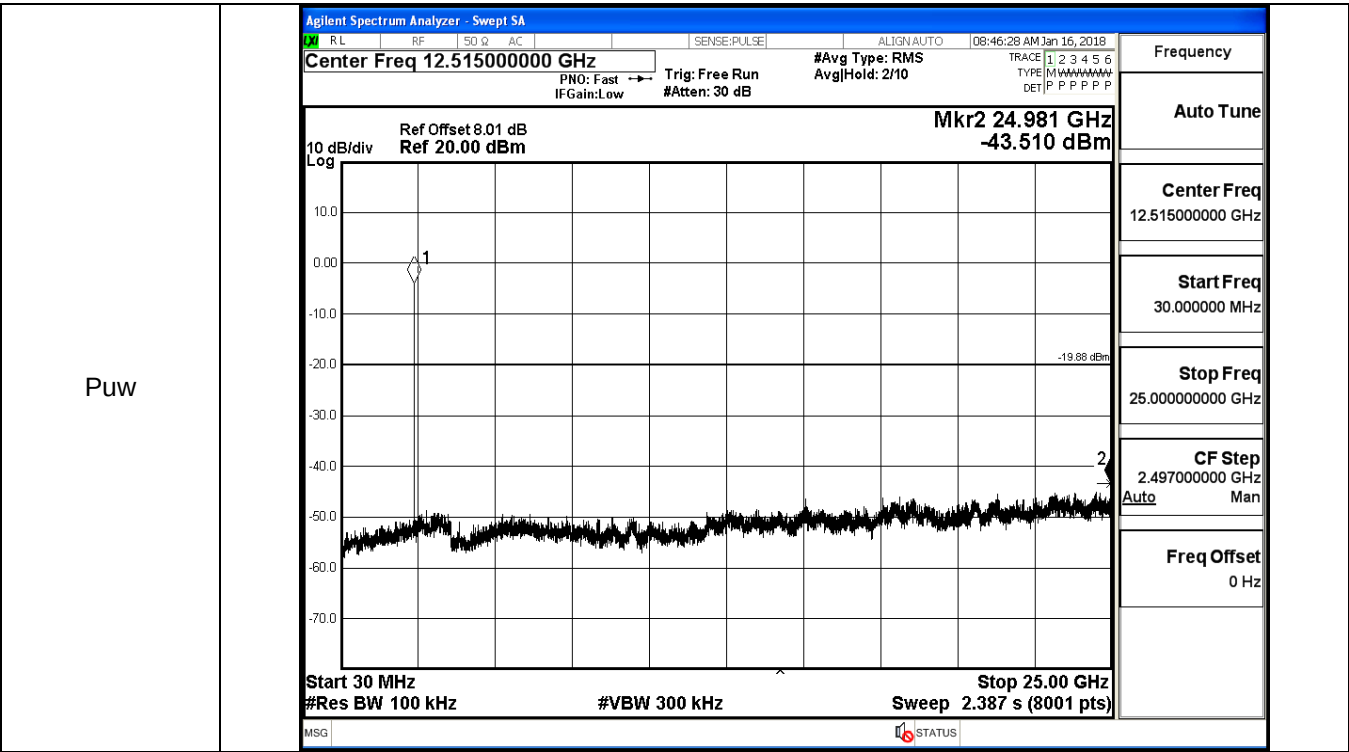


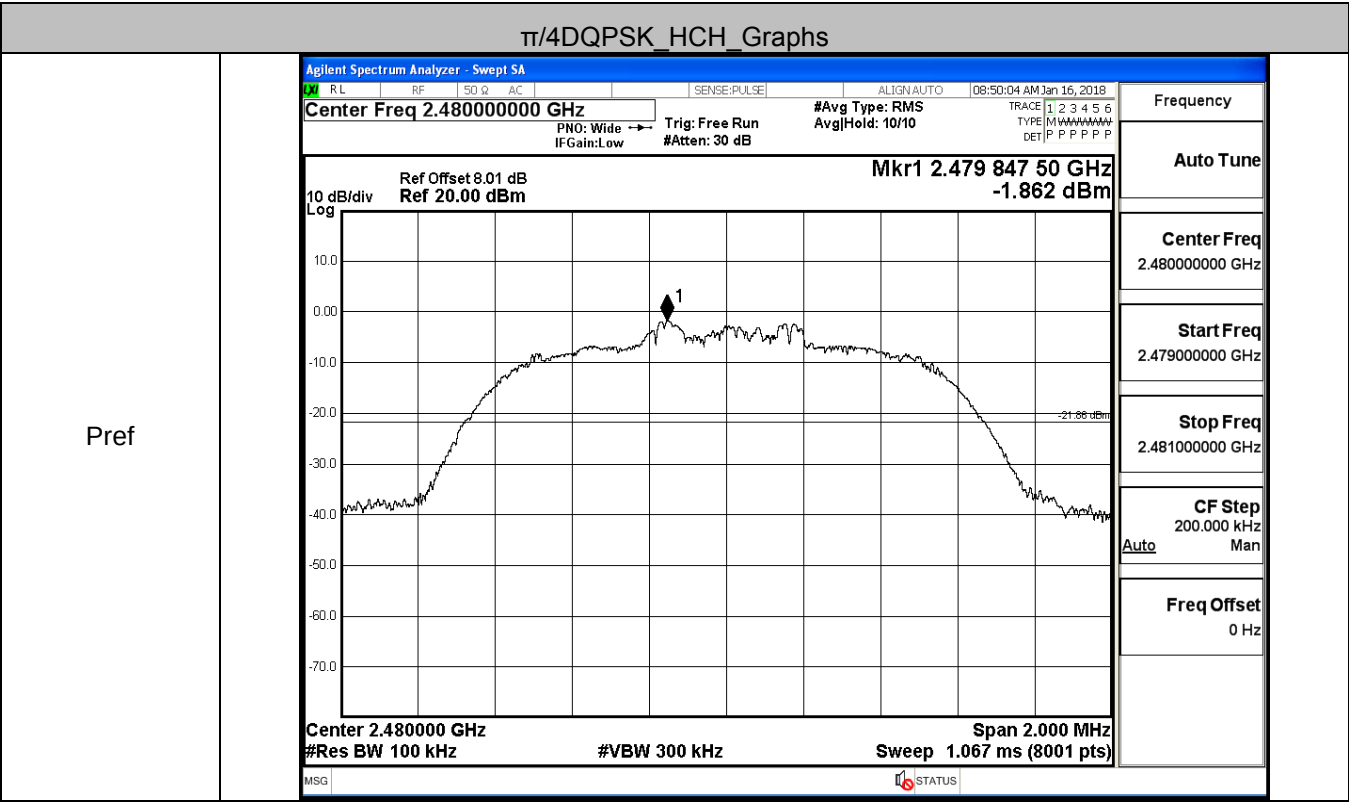
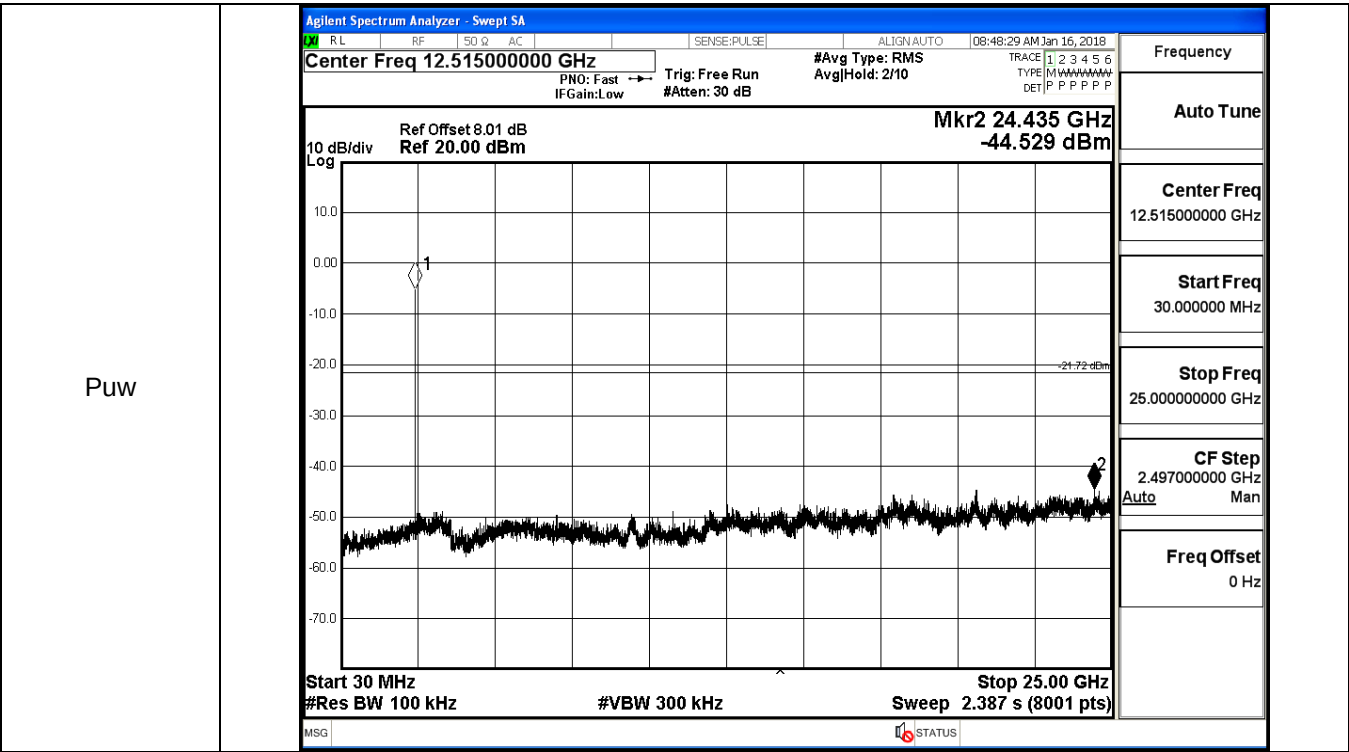


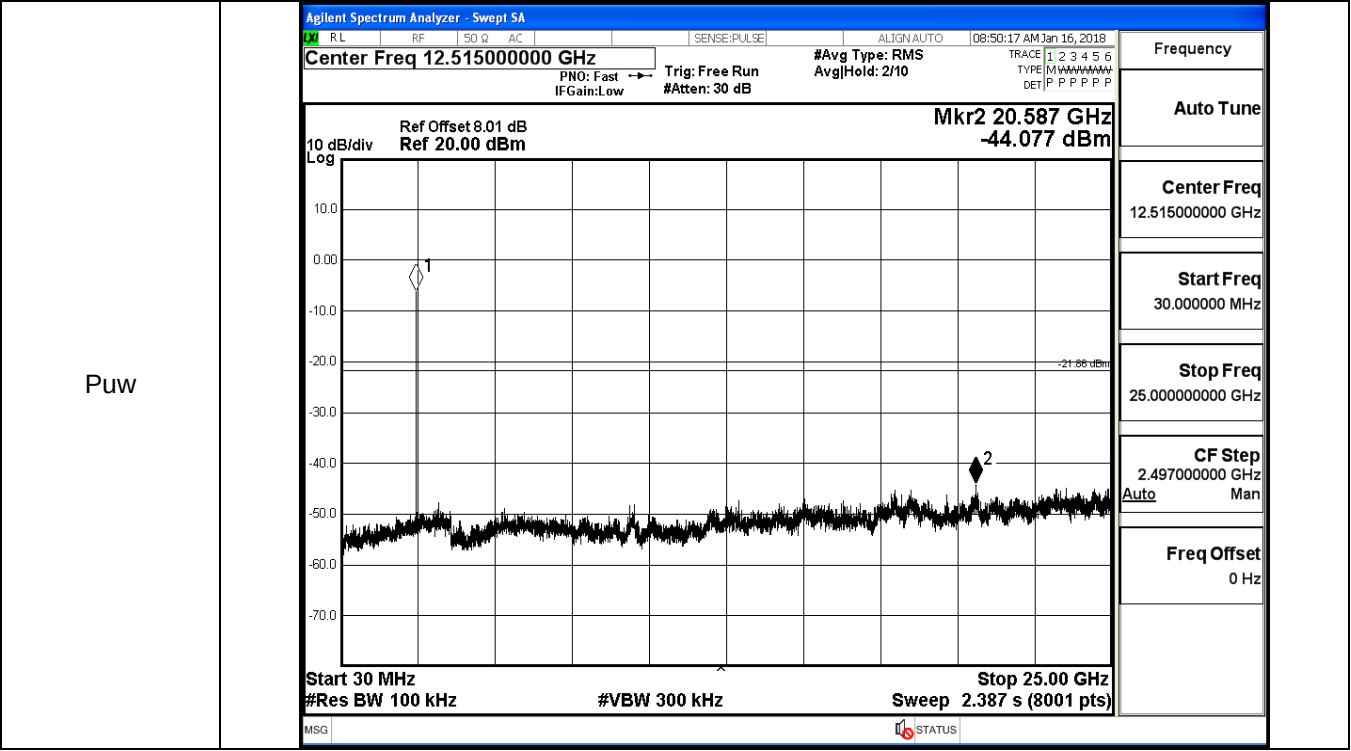












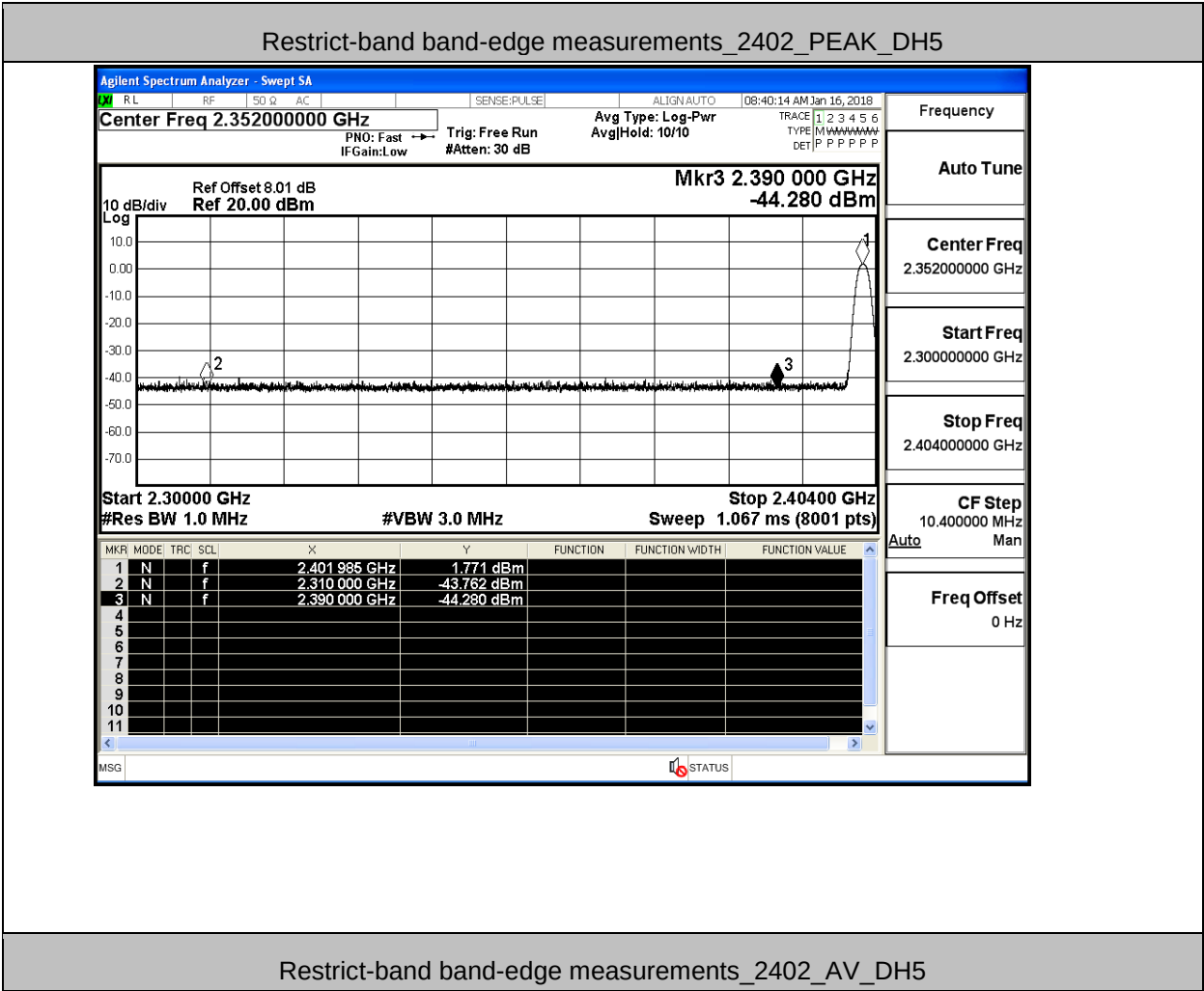
## . Appendix H):Restrict-band band-edge measurements

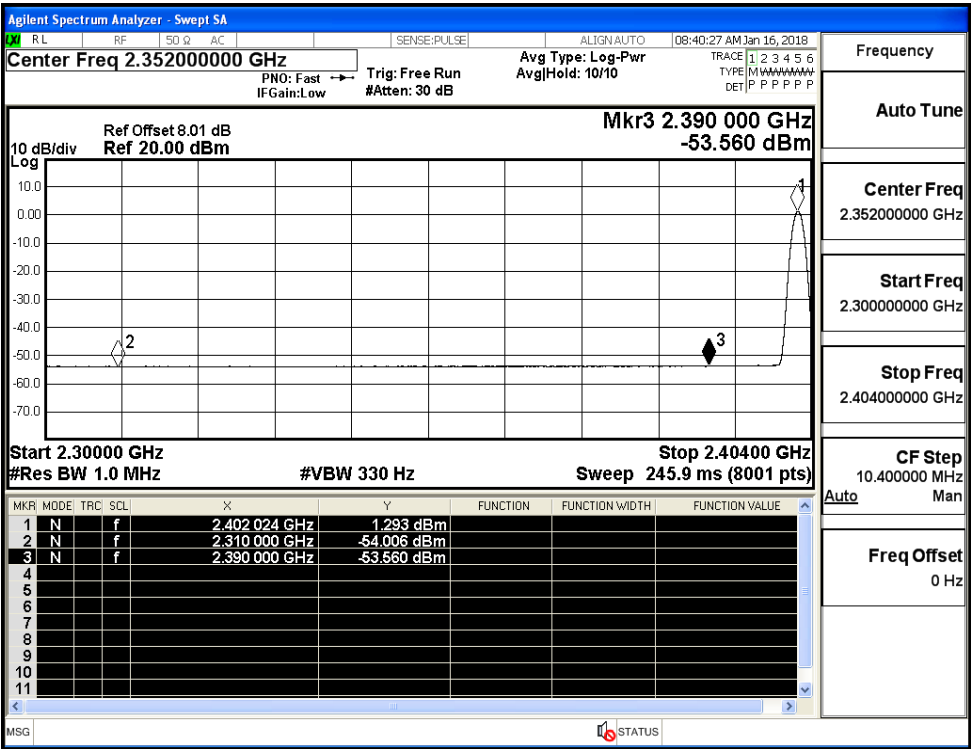
**Result Table**

| Test Mode          | Hopping | Freq.  | Power [dBm] | Gain | Ground Factor | E [dBuV/m] | Detector | Limit [dBuV/m] | Verdict |
|--------------------|---------|--------|-------------|------|---------------|------------|----------|----------------|---------|
| GFSK_DH5           | On      | 2310.0 | -43.76      | 2    | 0             | 51.50      | PEAK     | 74             | PASS    |
| GFSK_DH5           | On      | 2310.0 | -54.01      | 2    | 0             | 41.25      | AV       | 54             | PASS    |
| GFSK_DH5           | On      | 2390.0 | -44.28      | 2    | 0             | 50.98      | PEAK     | 74             | PASS    |
| GFSK_DH5           | On      | 2390.0 | -53.56      | 2    | 0             | 41.70      | AV       | 54             | PASS    |
| GFSK_DH5           | On      | 2483.5 | -43.69      | 2    | 0             | 51.57      | PEAK     | 74             | PASS    |
| GFSK_DH5           | On      | 2483.5 | -53.34      | 2    | 0             | 41.92      | AV       | 54             | PASS    |
| GFSK_DH5           | On      | 2500.0 | -43.52      | 2    | 0             | 51.74      | PEAK     | 74             | PASS    |
| GFSK_DH5           | On      | 2500.0 | -53.32      | 2    | 0             | 41.94      | AV       | 54             | PASS    |
| $\pi/4$ DQPSK_2DH5 | On      | 2310.0 | -43.79      | 2    | 0             | 51.47      | PEAK     | 74             | PASS    |
| $\pi/4$ DQPSK_2DH5 | On      | 2310.0 | -53.96      | 2    | 0             | 41.30      | AV       | 54             | PASS    |
| $\pi/4$ DQPSK_2DH5 | On      | 2390.0 | -43.21      | 2    | 0             | 52.05      | PEAK     | 74             | PASS    |
| $\pi/4$ DQPSK_2DH5 | On      | 2390.0 | -53.60      | 2    | 0             | 41.65      | AV       | 54             | PASS    |
| $\pi/4$ DQPSK_2DH5 | On      | 2483.5 | -43.63      | 2    | 0             | 51.62      | PEAK     | 74             | PASS    |
| $\pi/4$ DQPSK_2DH5 | On      | 2483.5 | -53.34      | 2    | 0             | 41.92      | AV       | 54             | PASS    |

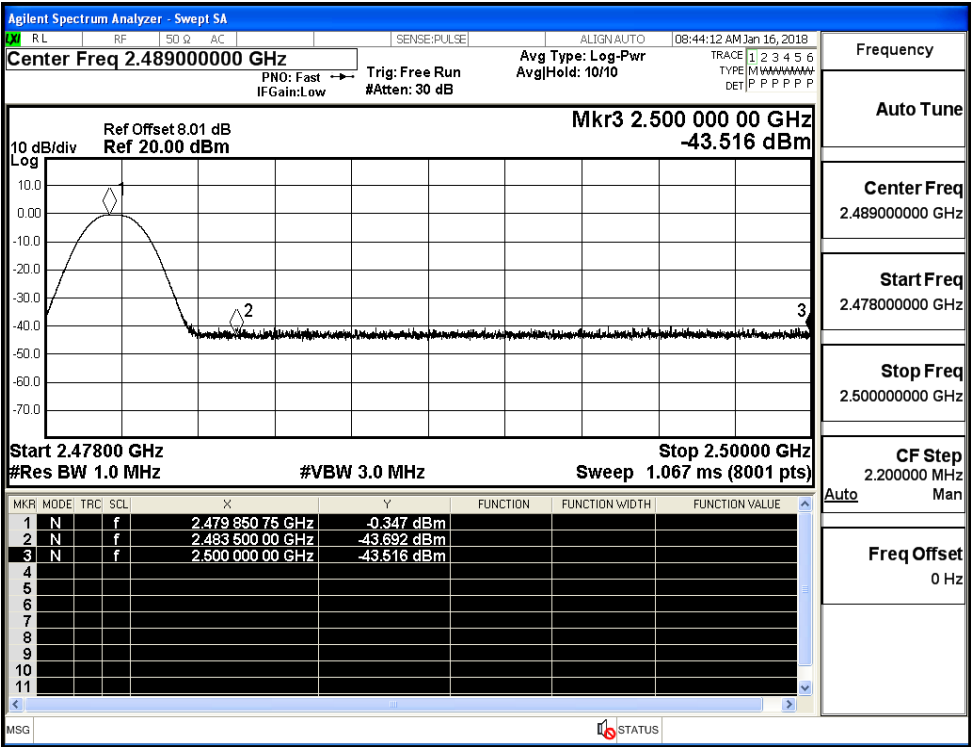
|                    |    |        |        |   |   |       |      |    |          |
|--------------------|----|--------|--------|---|---|-------|------|----|----------|
| $\pi/4$ DQPSK_2DH5 | On | 2500.0 | -42.69 | 2 | 0 | 52.57 | PEAK | 74 | PAS<br>S |
| $\pi/4$ DQPSK_2DH5 | On | 2500.0 | -53.23 | 2 | 0 | 42.03 | AV   | 54 | PAS<br>S |

Test Graph



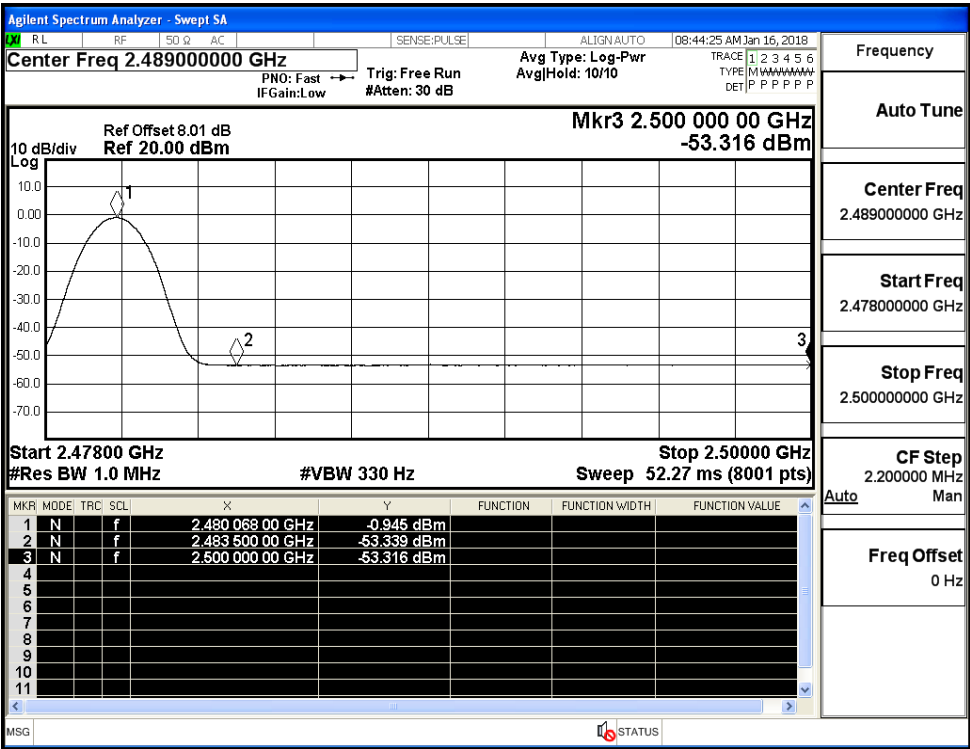


Restrict-band band-edge measurements\_2480\_PEAK\_DH5

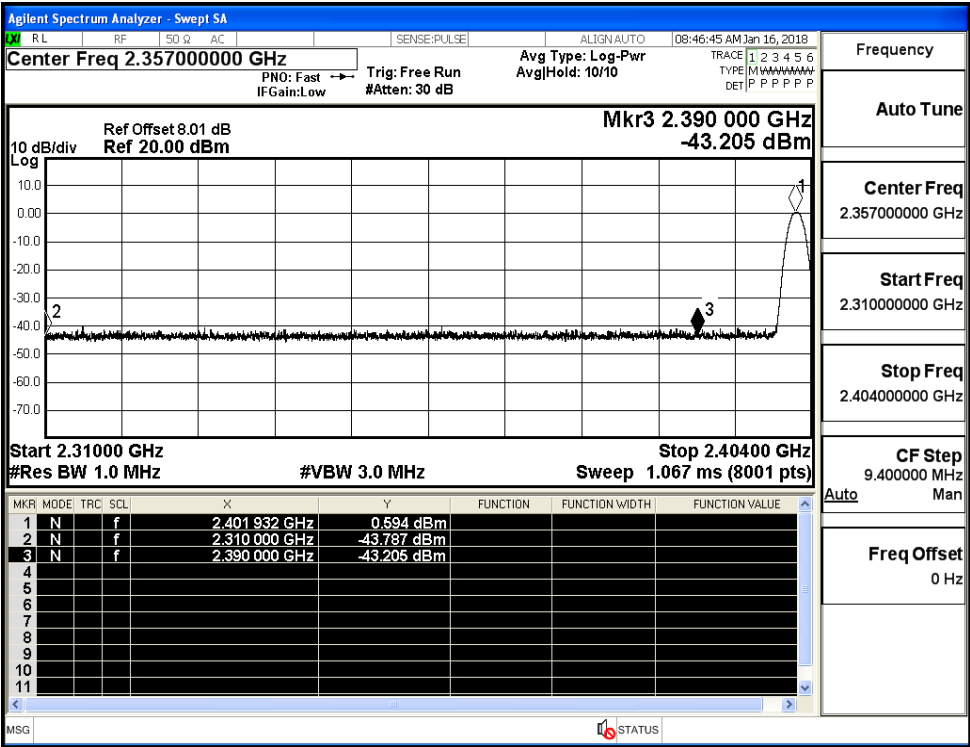


Restrict-band band-edge measurements\_2480\_AV\_DH5

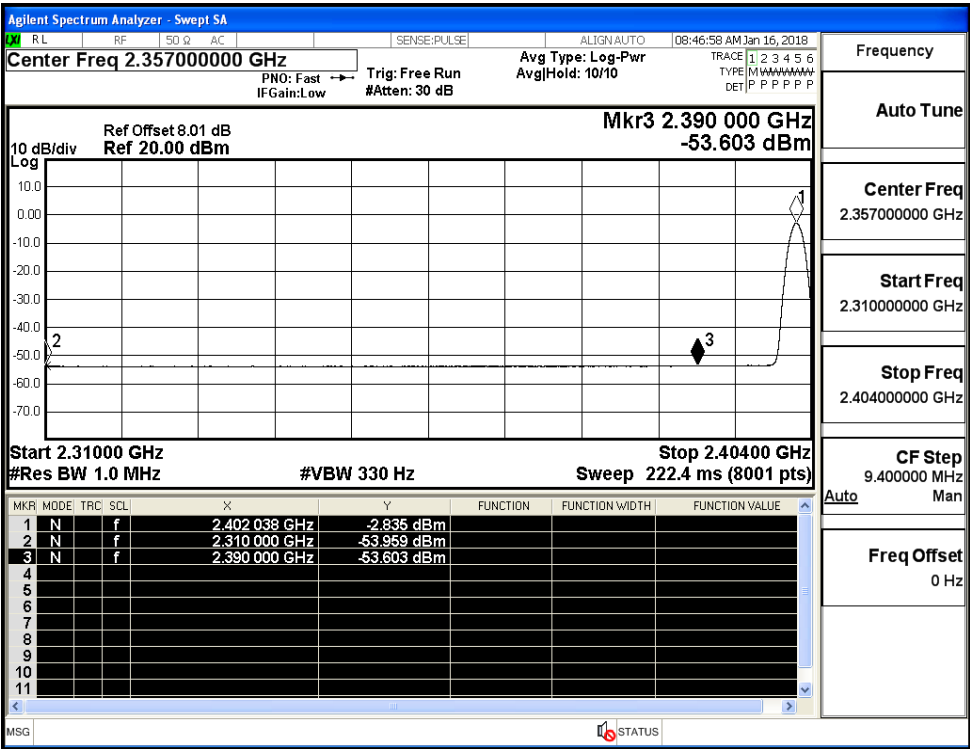




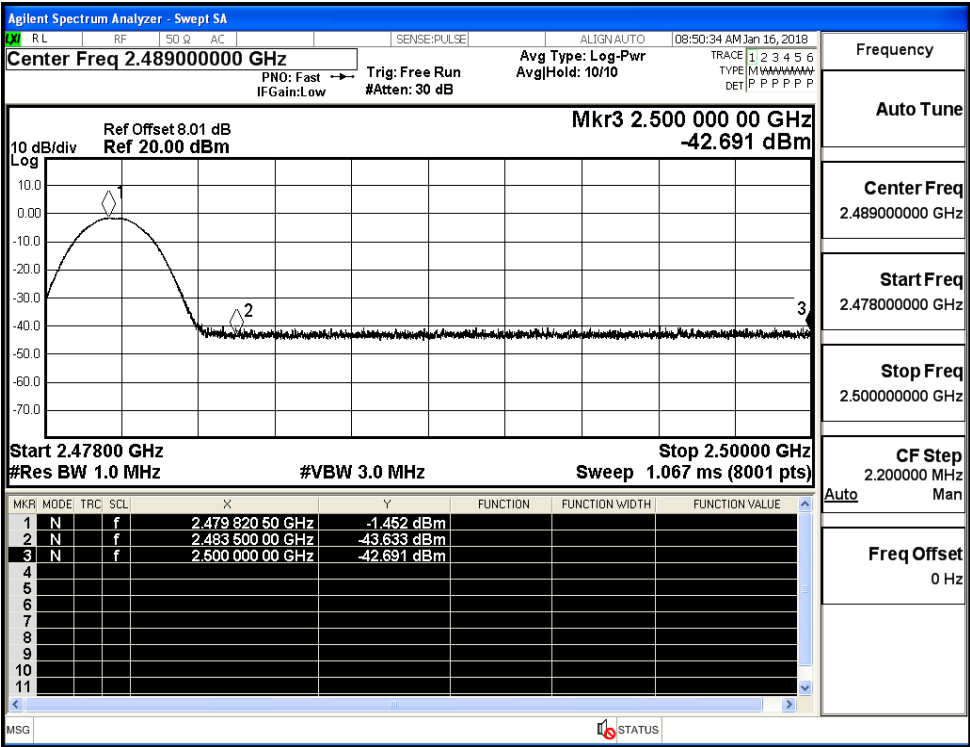
Restrict-band band-edge measurements\_2402\_PEAK\_2DH5



Restrict-band band-edge measurements\_2402\_AV\_2DH5



Restrict-band band-edge measurements\_2480\_PEAK\_2DH5



Restrict-band band-edge measurements\_2480\_AV\_2DH5

