

# Appendix Report

|                |                  |
|----------------|------------------|
| Report No.:    | CISRR25022815205 |
| Test Engineer: | Lucas Huang      |
| Supervised by: | Rory Huang       |

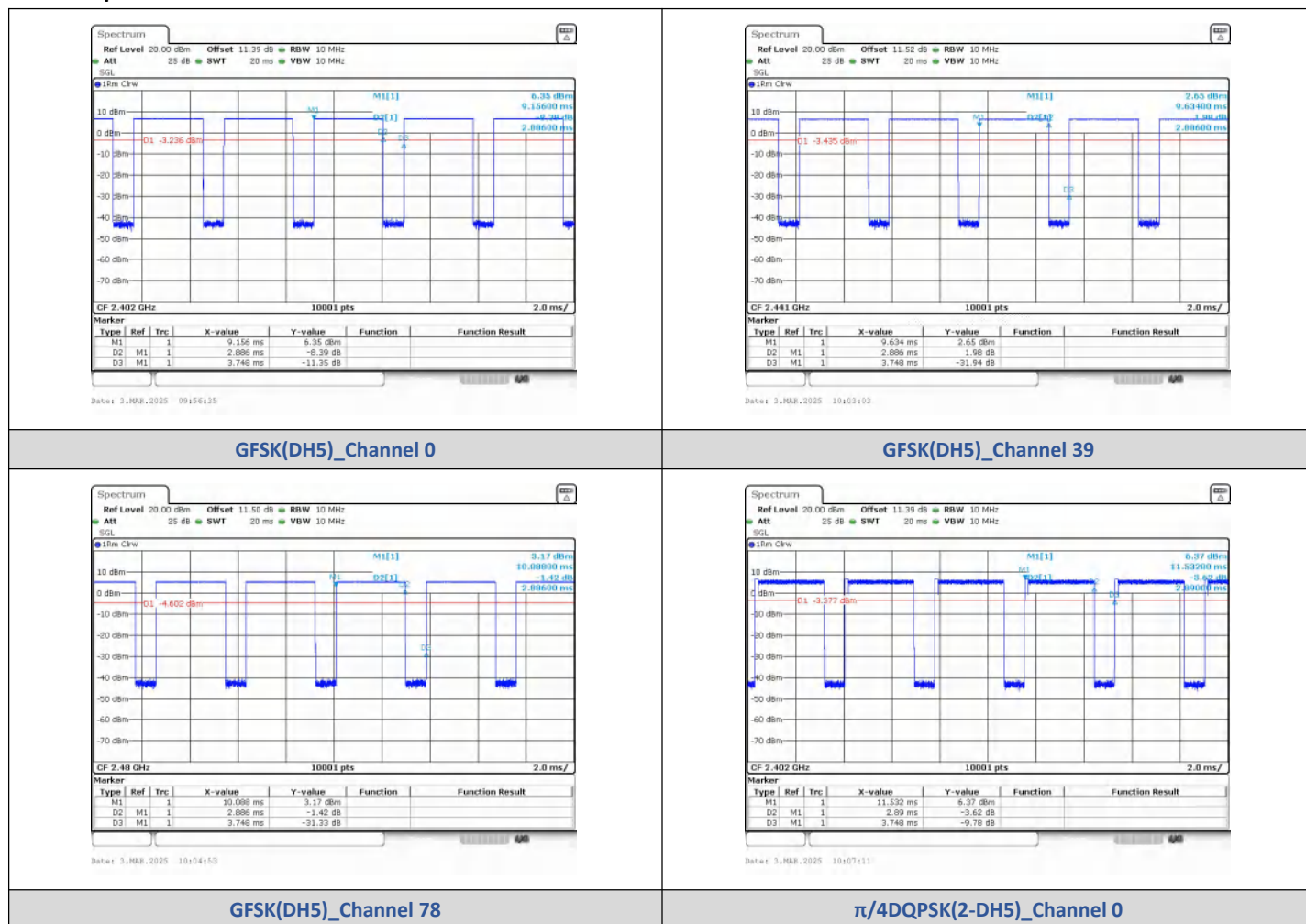
# 1) Duty Cycle

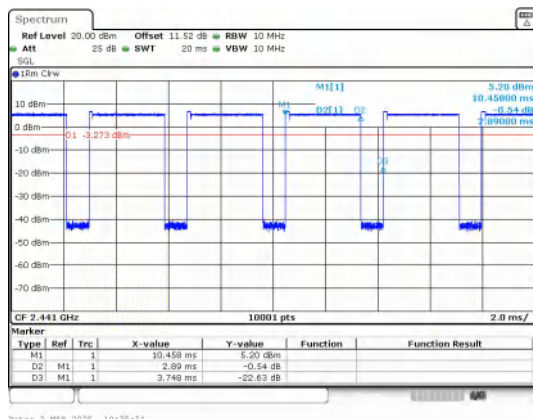
## Test Result

Left:

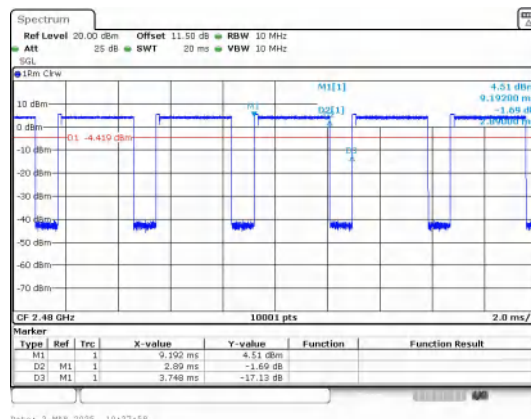
| Modulation    | Packets | Channel | On Time (ms) | Period (ms) | Duty Cycle (%) | Duty Cycle (linear) | Duty Cycle Factor (dB) | 1/T    |
|---------------|---------|---------|--------------|-------------|----------------|---------------------|------------------------|--------|
| GFSK          | DH5     | 0       | 2.886        | 3.748       | 77.00          | 0.7700              | 1.1351                 | 0.3465 |
|               |         | 39      | 2.886        | 3.748       | 77.00          | 0.7700              | 1.1351                 | 0.3465 |
|               |         | 78      | 2.886        | 3.748       | 77.00          | 0.7700              | 1.1351                 | 0.3465 |
| $\pi/4$ DQPSK | 2-DH5   | 0       | 2.890        | 3.748       | 77.11          | 0.7711              | 1.1289                 | 0.3460 |
|               |         | 39      | 2.890        | 3.748       | 77.11          | 0.7711              | 1.1289                 | 0.3460 |
|               |         | 78      | 2.890        | 3.748       | 77.11          | 0.7711              | 1.1289                 | 0.3460 |
| 8DPSK         | 3-DH5   | 0       | 2.894        | 3.748       | 77.21          | 0.7721              | 1.1233                 | 0.3455 |
|               |         | 39      | 2.894        | 3.748       | 77.21          | 0.7721              | 1.1233                 | 0.3455 |
|               |         | 78      | 2.894        | 3.748       | 77.21          | 0.7721              | 1.1233                 | 0.3455 |

## Test Graphs

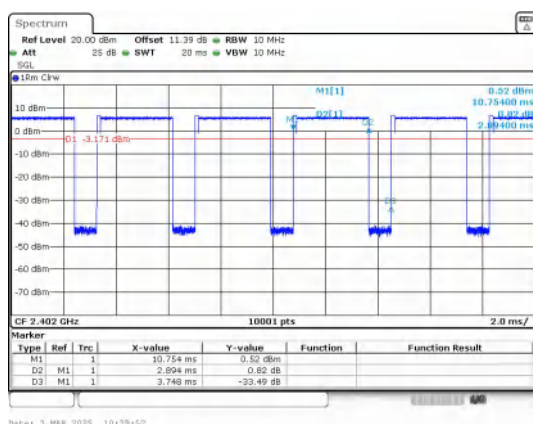




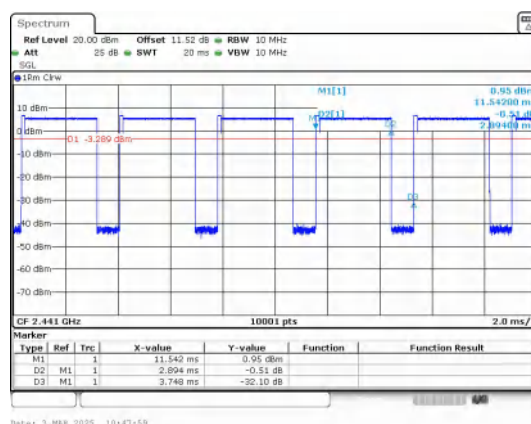
$\pi/4$ DQPSK(2-DH5)\_Channel 39



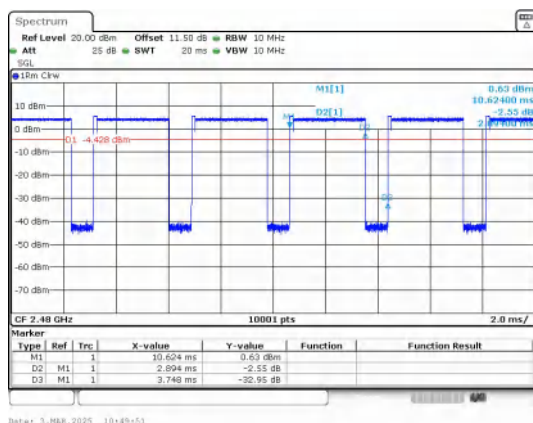
$\pi/4$ DQPSK(2-DH5)\_Channel 78



8DPSK(3-DH5)\_Channel 0



8DPSK(3-DH5)\_Channel 39



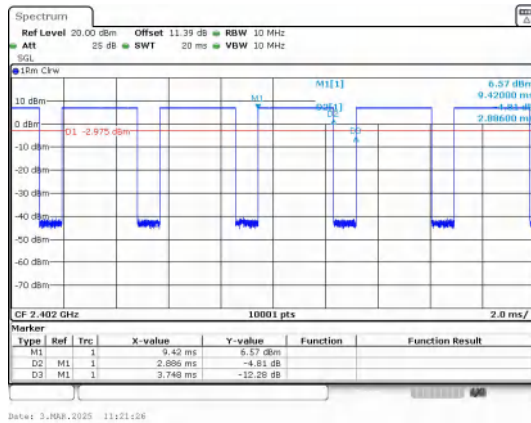
8DPSK(3-DH5)\_Channel 78

Right:

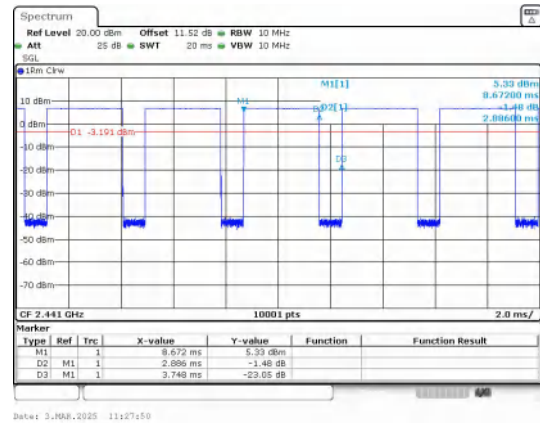
| Modulation    | Packets | Channel | On Time (ms) | Period (ms) | Duty Cycle (%) | Duty Cycle (linear) | Duty Cycle Factor (dB) | 1/T    |
|---------------|---------|---------|--------------|-------------|----------------|---------------------|------------------------|--------|
| GFSK          | DH5     | 0       | 2.886        | 3.748       | 77.00          | 0.7700              | 1.1351                 | 0.3465 |
|               |         | 39      | 2.886        | 3.748       | 77.00          | 0.7700              | 1.1351                 | 0.3465 |
|               |         | 78      | 2.886        | 3.748       | 77.00          | 0.7700              | 1.1351                 | 0.3465 |
| $\pi/4$ DQPSK | 2-DH5   | 0       | 2.890        | 3.748       | 77.11          | 0.7711              | 1.1289                 | 0.3460 |
|               |         | 39      | 2.892        | 3.748       | 77.16          | 0.7716              | 1.1261                 | 0.3458 |
|               |         | 78      | 2.892        | 3.748       | 77.16          | 0.7716              | 1.1261                 | 0.3458 |

|       |       |    |       |       |       |        |        |        |
|-------|-------|----|-------|-------|-------|--------|--------|--------|
| 8DPSK | 3-DH5 | 0  | 2.894 | 3.748 | 77.21 | 0.7721 | 1.1233 | 0.3455 |
|       |       | 39 | 2.894 | 3.748 | 77.21 | 0.7721 | 1.1233 | 0.3455 |
|       |       | 78 | 2.892 | 3.748 | 77.16 | 0.7716 | 1.1261 | 0.3458 |

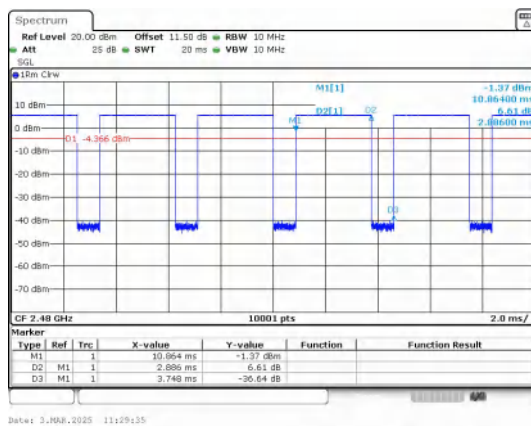
## Test Graphs



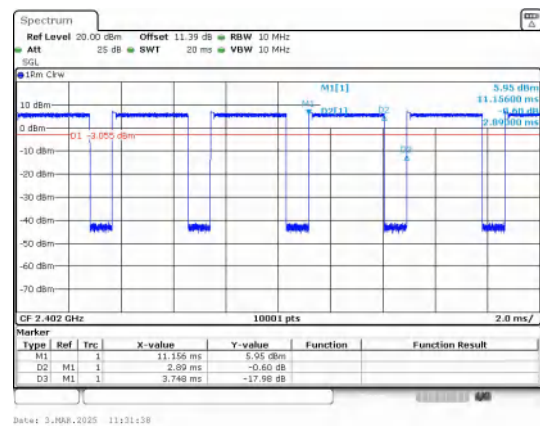
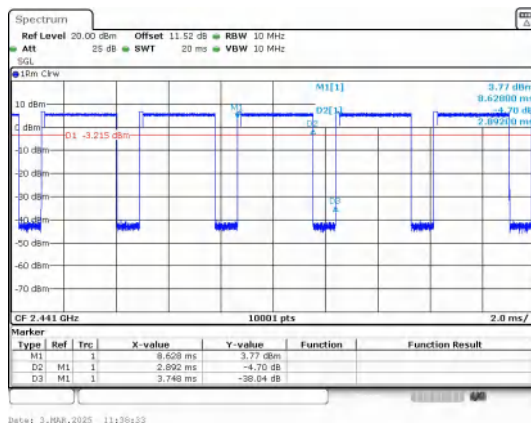
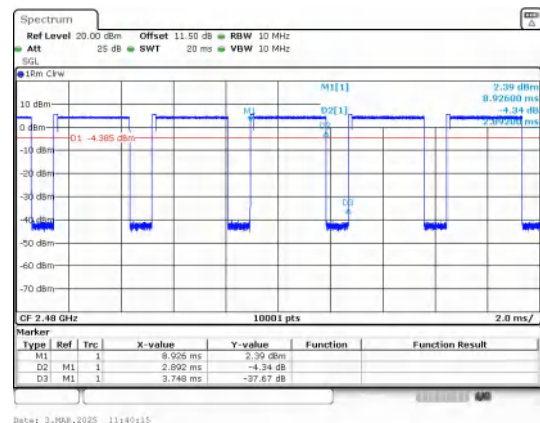
GFSK(DH5)\_Channel 0

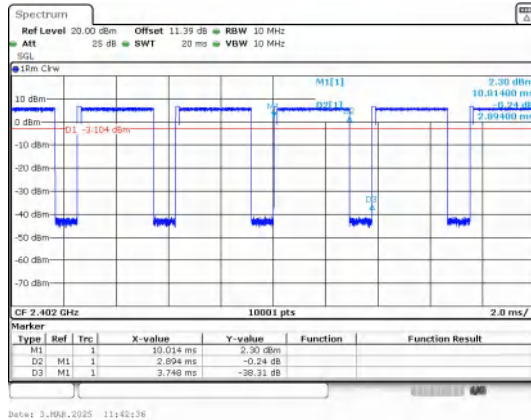


GFSK(DH5)\_Channel 39

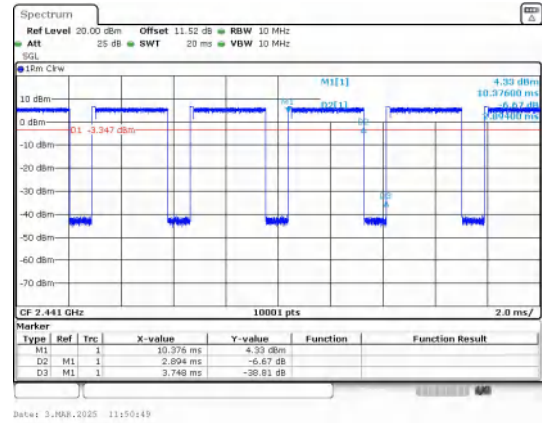


GFSK(DH5)\_Channel 78

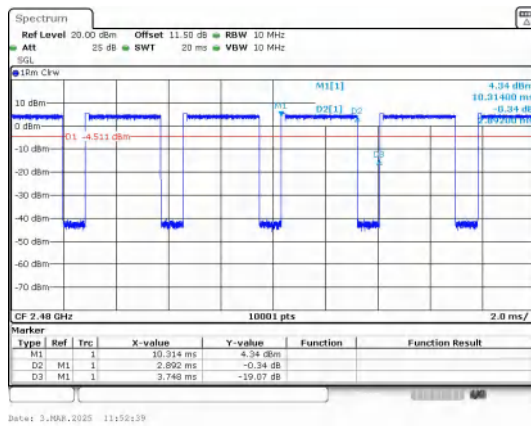

 $\pi/4$ DQPSK(2-DH5)\_Channel 0

 $\pi/4$ DQPSK(2-DH5)\_Channel 39

 $\pi/4$ DQPSK(2-DH5)\_Channel 78



8DPSK(3-DH5)\_Channel 0



8DPSK(3-DH5)\_Channel 39



8DPSK(3-DH5)\_Channel 78

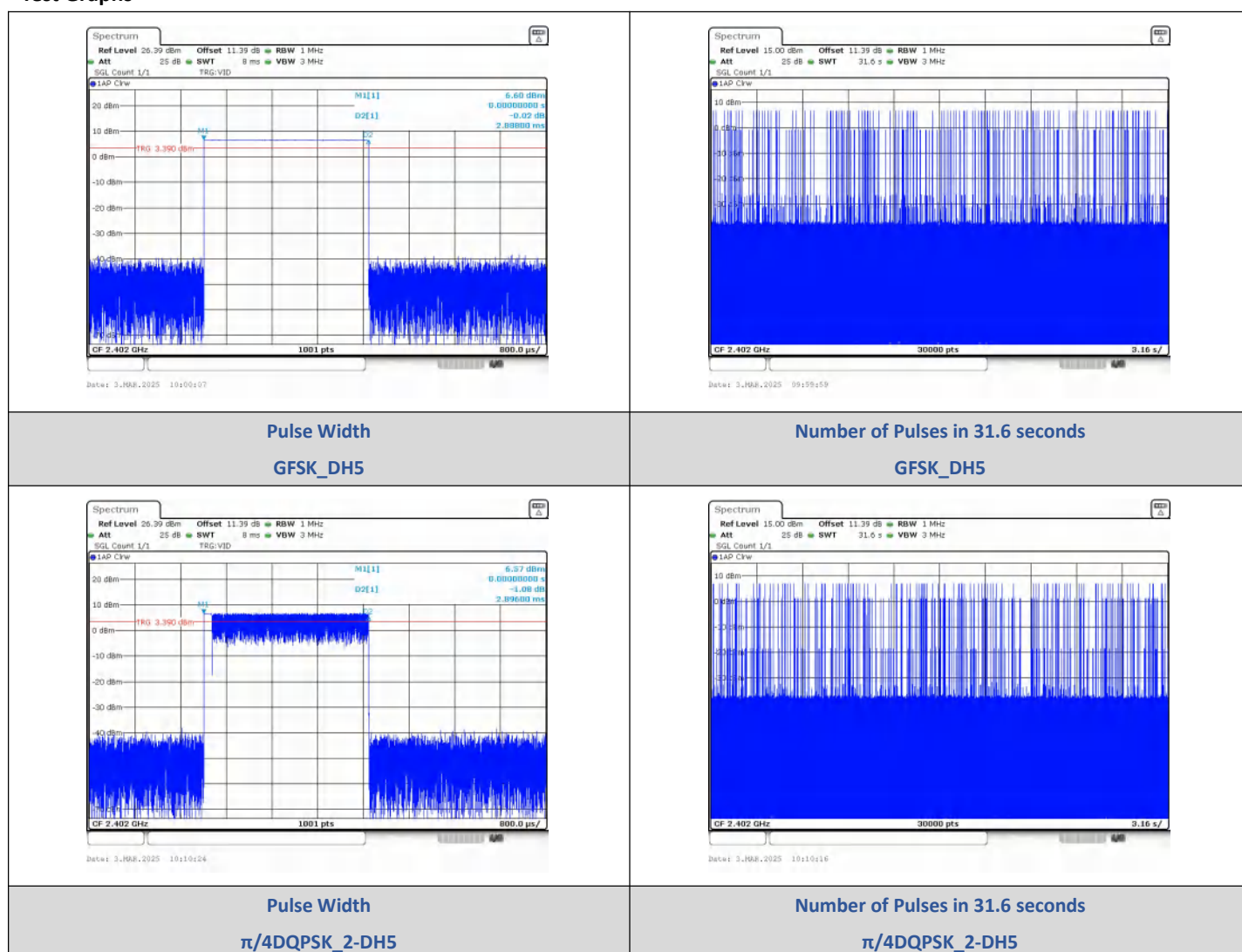
## 2) Dwell Time

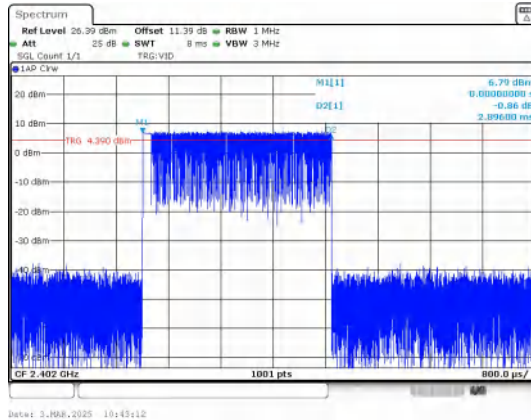
### Test Result

Left:

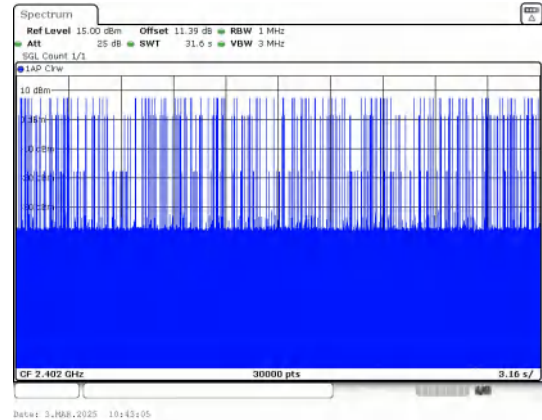
| Modulation    | Packet | Channel          | Pulse Width (ms) | Number of Pulses in 31.6 seconds | Dwell Time (ms) | Limit (ms) | Result |
|---------------|--------|------------------|------------------|----------------------------------|-----------------|------------|--------|
| GFSK          | DH5    | CH0<br>(2402MHz) | 2.888            | 116                              | 335.01          | < 400      | PASS   |
| $\pi/4$ DQPSK | 2-DH5  |                  | 2.896            | 110                              | 318.56          |            | PASS   |
| 8DPSK         | 3-DH5  |                  | 2.896            | 117                              | 338.83          |            | PASS   |

### Test Graphs





**Pulse Width**  
**8DPSK\_3-DH5**

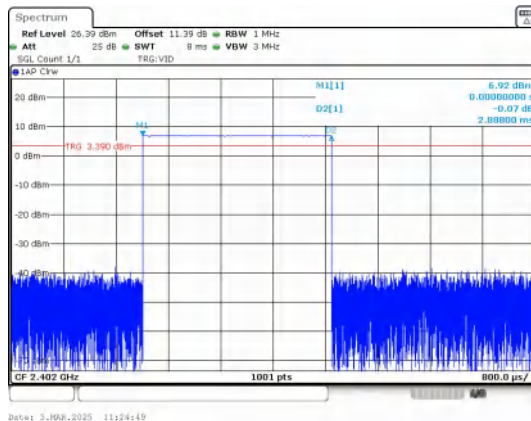


**Number of Pulses in 31.6 seconds**  
**8DPSK\_3-DH5**

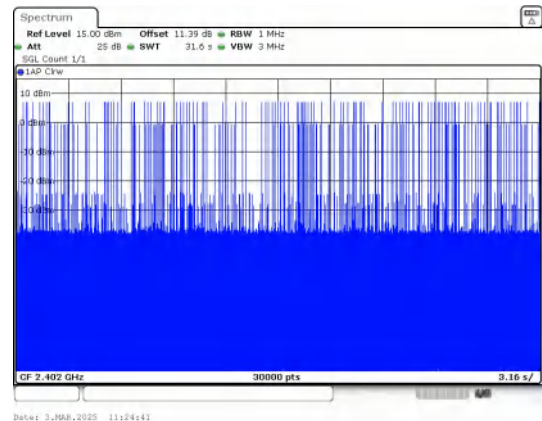
Right:

| Modulation    | Packet | Channel          | Pulse Width (ms) | Number of Pulses in 31.6 seconds | Dwell Time (ms) | Limit (ms) | Result |
|---------------|--------|------------------|------------------|----------------------------------|-----------------|------------|--------|
| GFSK          | DH5    | CH0<br>(2402MHz) | 2.888            | 114                              | 329.23          | < 400      | PASS   |
| $\pi/4$ DQPSK | 2-DH5  |                  | 2.888            | 117                              | 337.9           |            | PASS   |
| 8DPSK         | 3-DH5  |                  | 2.896            | 117                              | 338.83          |            | PASS   |

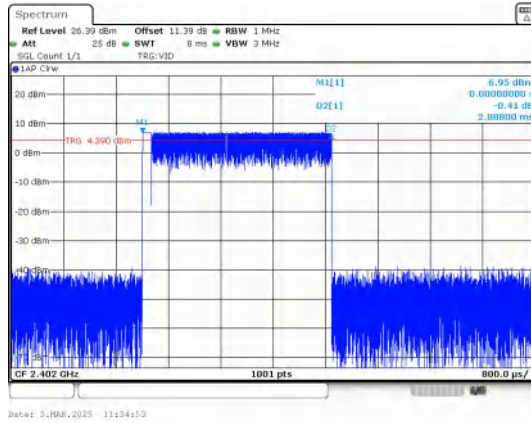
## Test Graphs



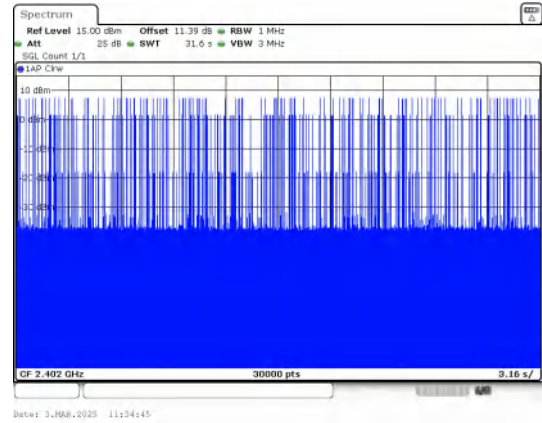
**Pulse Width**  
**GFSK\_DH5**



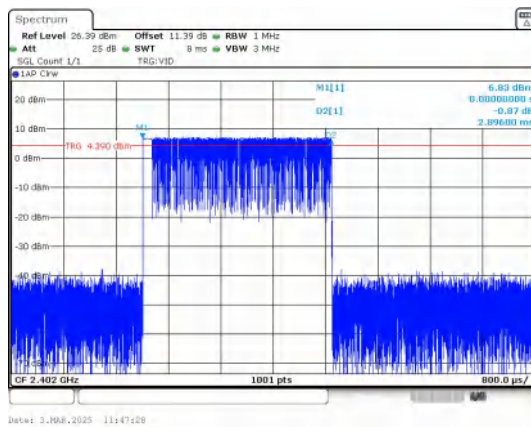
**Number of Pulses in 31.6 seconds**  
**GFSK\_DH5**



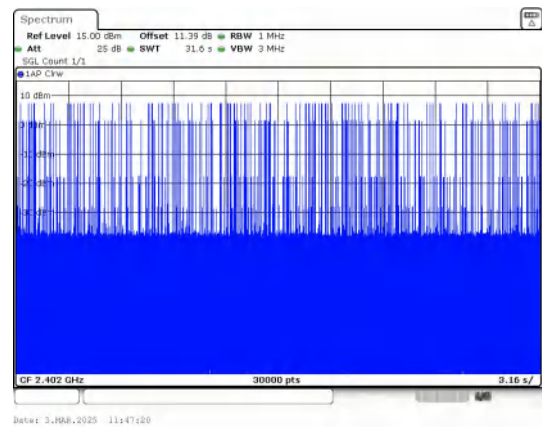
Pulse Width  
 $\pi/4$ DQPSK\_2-DH5



Number of Pulses in 31.6 seconds  
 $\pi/4$ DQPSK\_2-DH5



Pulse Width  
8DPSK\_3-DH5



Number of Pulses in 31.6 seconds  
8DPSK\_3-DH5

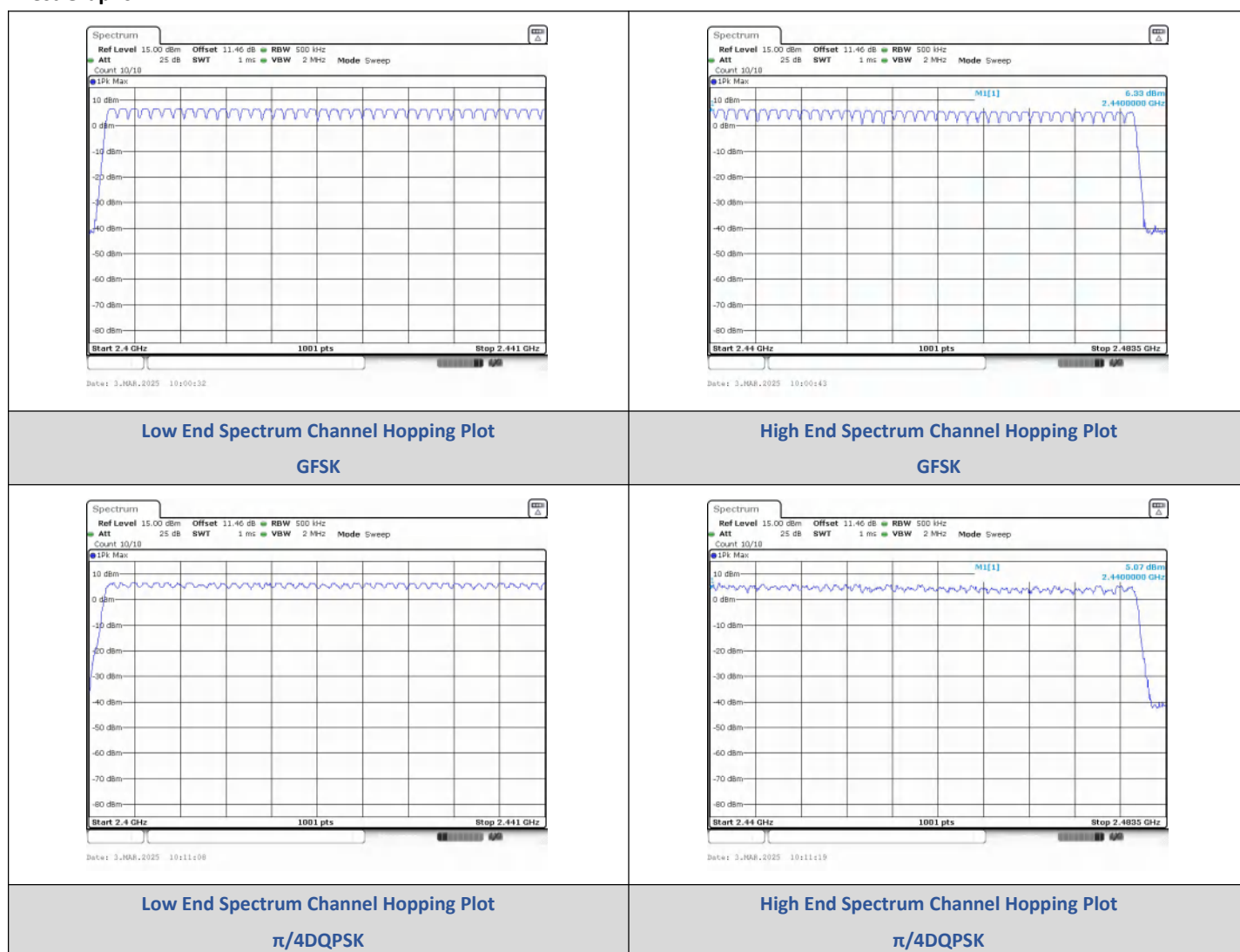
### 3) Number Of Hopping Channel

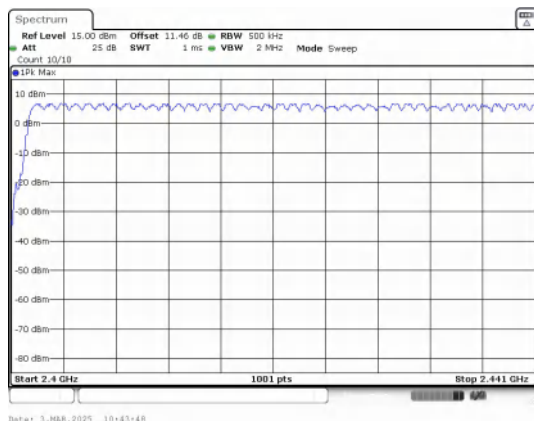
#### Test Result

Left:

| Modulation    | Packet | Number of Hopping Channel | Limit | Result |
|---------------|--------|---------------------------|-------|--------|
| GFSK          | DH5    | 79                        | 15    | PASS   |
| $\pi/4$ DQPSK | 2-DH5  | 79                        | 15    | PASS   |
| 8DPSK         | 3-DH5  | 79                        | 15    | PASS   |

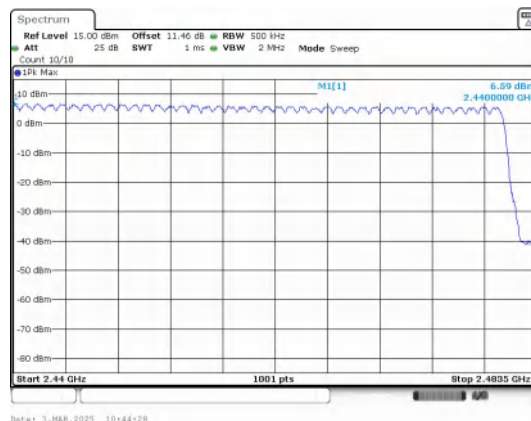
#### Test Graphs





Low End Spectrum Channel Hopping Plot

8DPSK



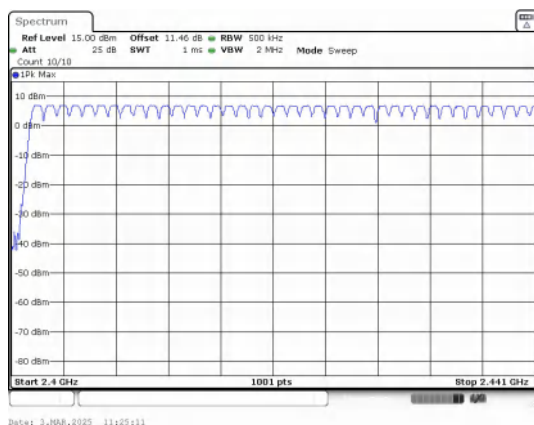
High End Spectrum Channel Hopping Plot

8DPSK

Right:

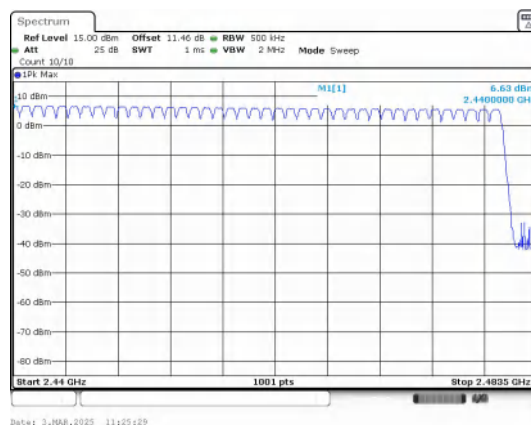
| Modulation    | Packet | Number of Hopping Channel | Limit | Result |
|---------------|--------|---------------------------|-------|--------|
| GFSK          | DH5    | 79                        | 15    | PASS   |
| $\pi/4$ DQPSK | 2-DH5  | 79                        | 15    | PASS   |
| 8DPSK         | 3-DH5  | 79                        | 15    | PASS   |

## Test Graphs



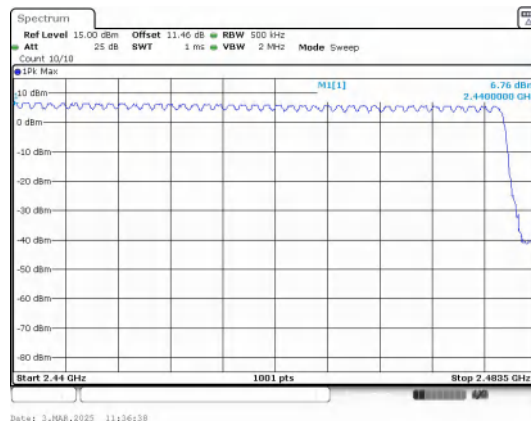
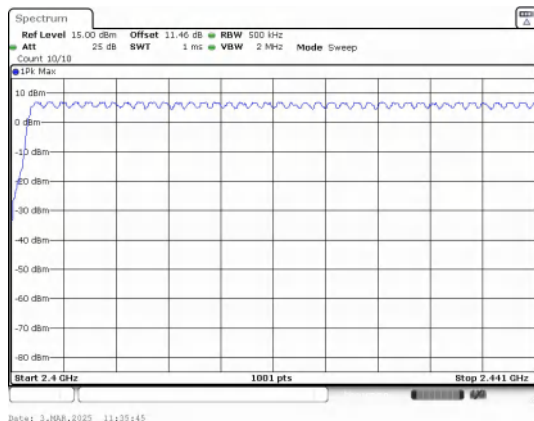
Low End Spectrum Channel Hopping Plot

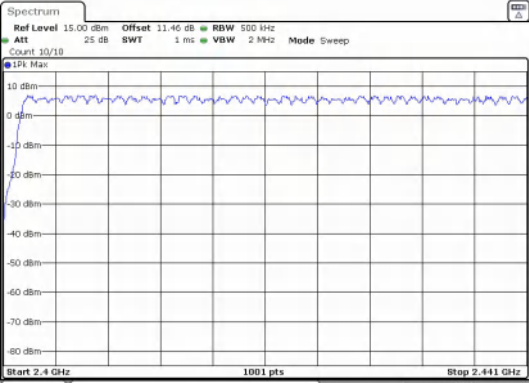
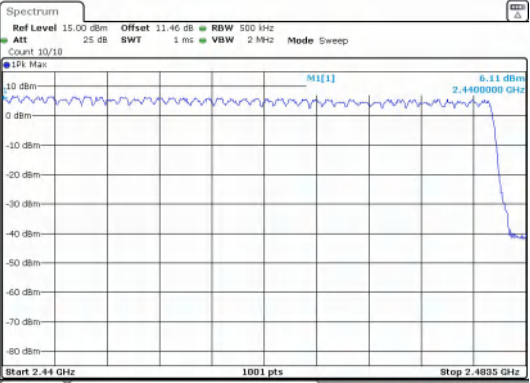
GFSK



High End Spectrum Channel Hopping Plot

GFSK



|                                                                                                                    |                                                                                                                     |
|--------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|
| <p>Low End Spectrum Channel Hopping Plot</p> <p><math>\pi/4</math>DQPSK</p>                                        | <p>High End Spectrum Channel Hopping Plot</p> <p><math>\pi/4</math>DQPSK</p>                                        |
|  <p>Date: 3.MAR.2025 11:47:54</p> |  <p>Date: 3.MAR.2025 11:48:15</p> |
| <p>Low End Spectrum Channel Hopping Plot</p> <p>8DPSK</p>                                                          | <p>High End Spectrum Channel Hopping Plot</p> <p>8DPSK</p>                                                          |

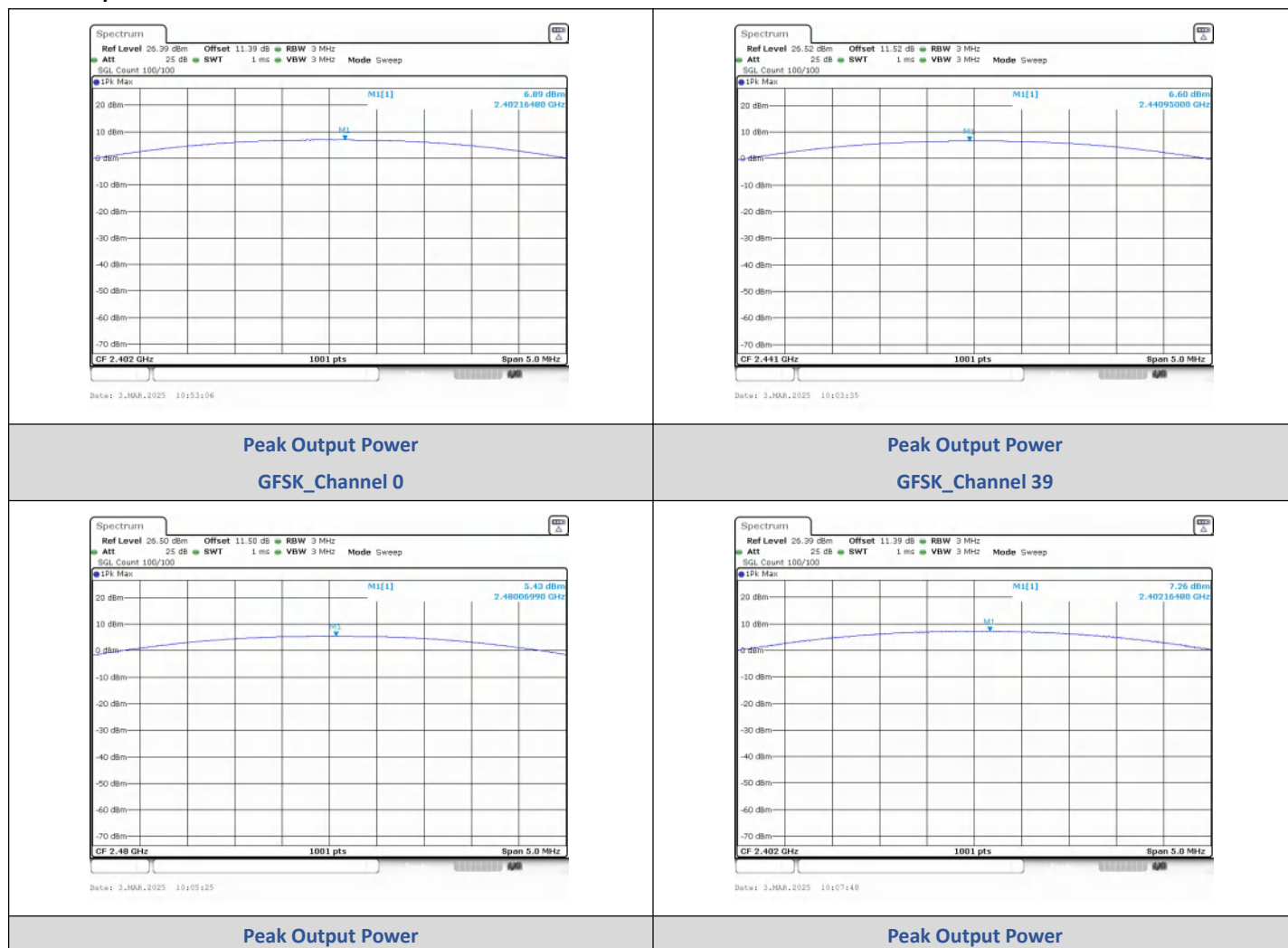
## 4) Conducted Peak Output Power

### Test Result

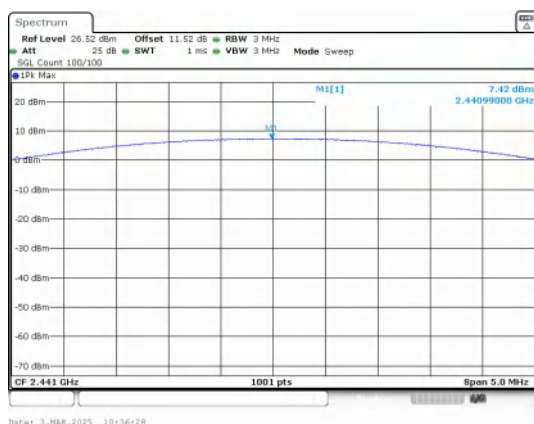
Left:

| Modulation    | Packet Type | Channel | Peak Output Power (dBm) | Peak Output Power (mW) | Limit (dBm) | Result |
|---------------|-------------|---------|-------------------------|------------------------|-------------|--------|
| GFSK          | DH5         | 0       | 6.89                    | 4.89                   | ≤30         | PASS   |
|               |             | 39      | 6.60                    | 4.57                   |             | PASS   |
|               |             | 78      | 5.43                    | 3.49                   |             | PASS   |
| $\pi/4$ DQPSK | 2-DH5       | 0       | 7.26                    | 5.32                   | ≤20.97      | PASS   |
|               |             | 39      | 7.42                    | 5.52                   |             | PASS   |
|               |             | 78      | 6.28                    | 4.25                   |             | PASS   |
| 8DPSK         | 3-DH5       | 0       | 7.71                    | 5.90                   |             | PASS   |
|               |             | 39      | 7.64                    | 5.81                   |             | PASS   |
|               |             | 78      | 6.53                    | 4.50                   |             | PASS   |

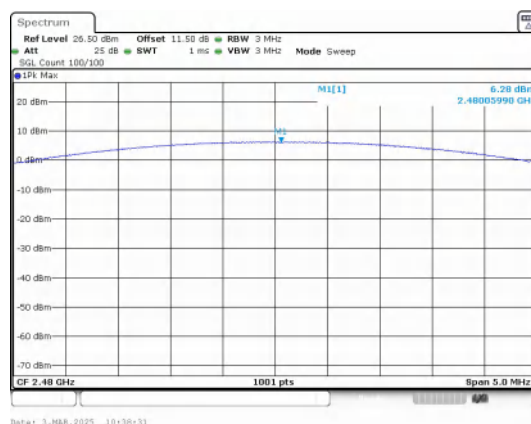
### Test Graphs



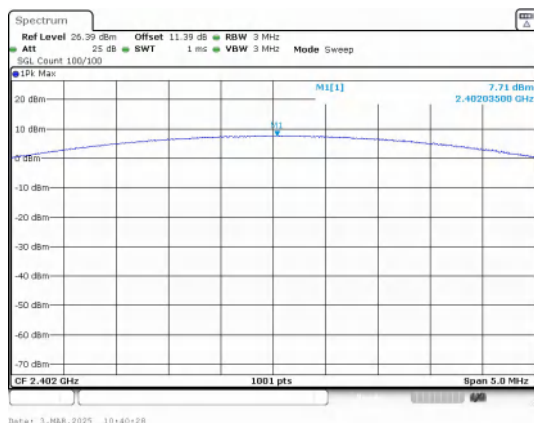
GFSK\_Channel 78



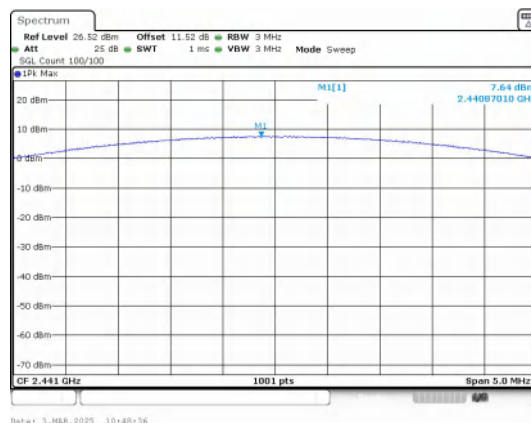
$\pi$ /4DQPSK\_Channel 0



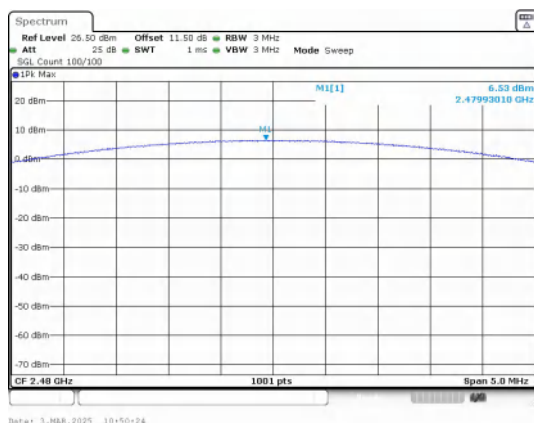
Peak Output Power  
 $\pi$ /4DQPSK\_Channel 39



Peak Output Power  
 $\pi$ /4DQPSK\_Channel 78



Peak Output Power  
8DPSK\_Channel 0



Peak Output Power  
8DPSK\_Channel 39

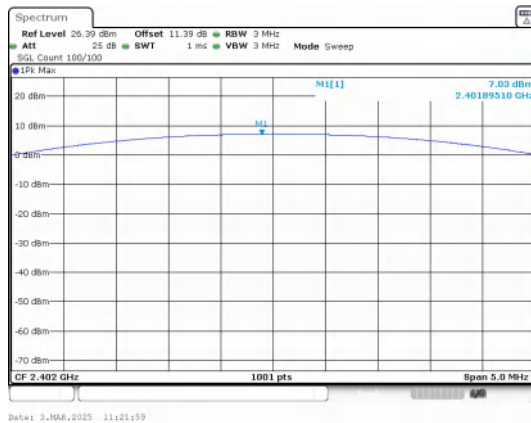
Peak Output Power  
8DPSK\_Channel 78

Right:

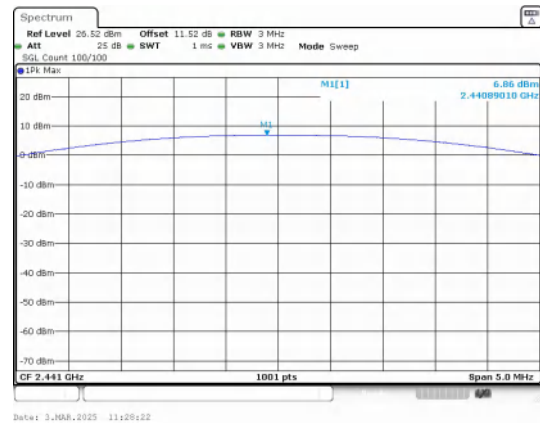
| Modulation | Packet Type | Channel | Peak Output Power (dBm) | Peak Output Power (mW) | Limit (dBm) | Result |
|------------|-------------|---------|-------------------------|------------------------|-------------|--------|
| GFSK       | DH5         | 0       | 7.03                    | 5.05                   | ≤30         | PASS   |

|               |       |    |      |      |              |      |
|---------------|-------|----|------|------|--------------|------|
|               |       | 39 | 6.86 | 4.85 |              | PASS |
|               |       | 78 | 5.69 | 3.71 |              | PASS |
|               |       | 0  | 7.56 | 5.70 |              | PASS |
| $\pi/4$ DQPSK | 2-DH5 | 39 | 7.48 | 5.60 | $\leq 20.97$ | PASS |
|               |       | 78 | 6.32 | 4.29 |              | PASS |
|               |       | 0  | 7.71 | 5.90 |              | PASS |
| 8DPSK         | 3-DH5 | 39 | 7.54 | 5.68 |              | PASS |
|               |       | 78 | 6.43 | 4.40 |              | PASS |
|               |       |    |      |      |              | PASS |

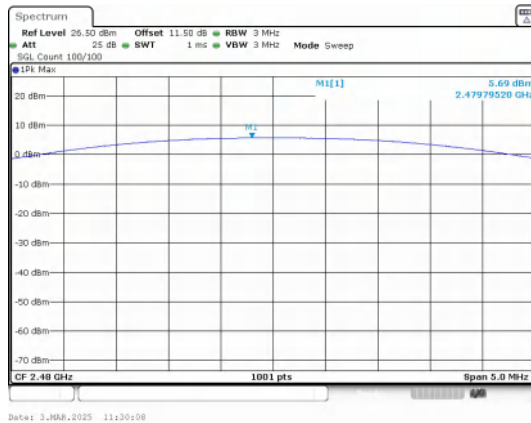
## Test Graphs



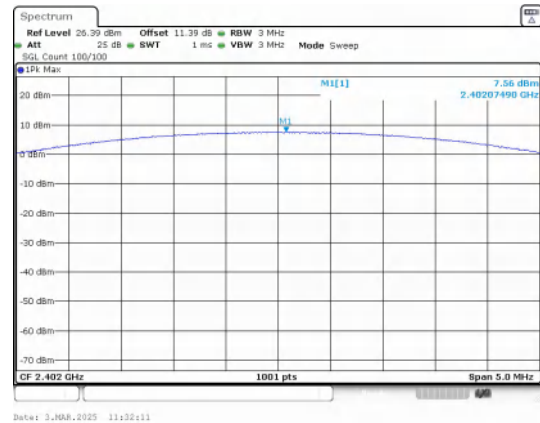
Peak Output Power  
GFSK\_Channel 0



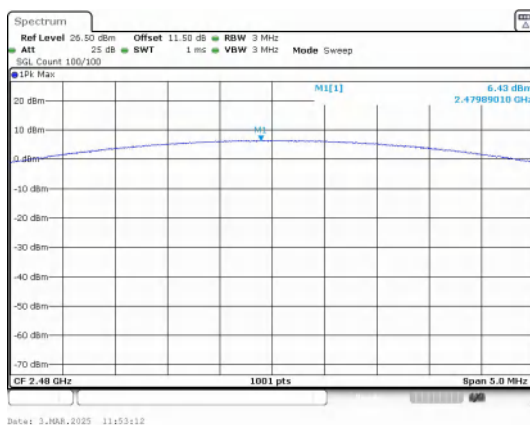
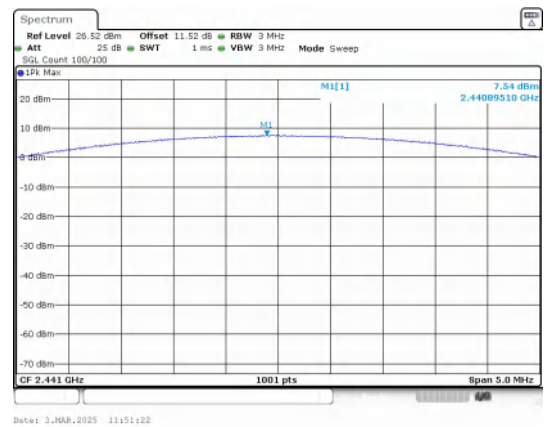
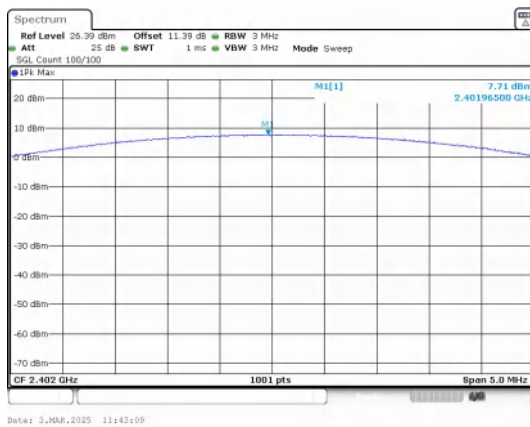
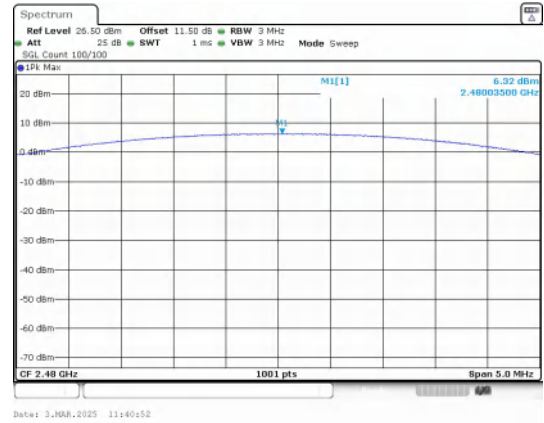
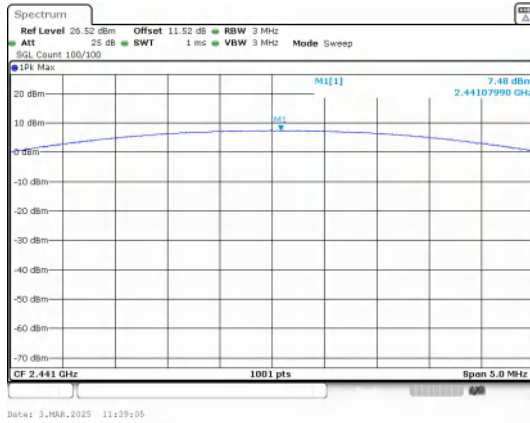
Peak Output Power  
GFSK\_Channel 39



Peak Output Power  
GFSK\_Channel 78



Peak Output Power  
 $\pi/4$ DQPSK\_Channel 0



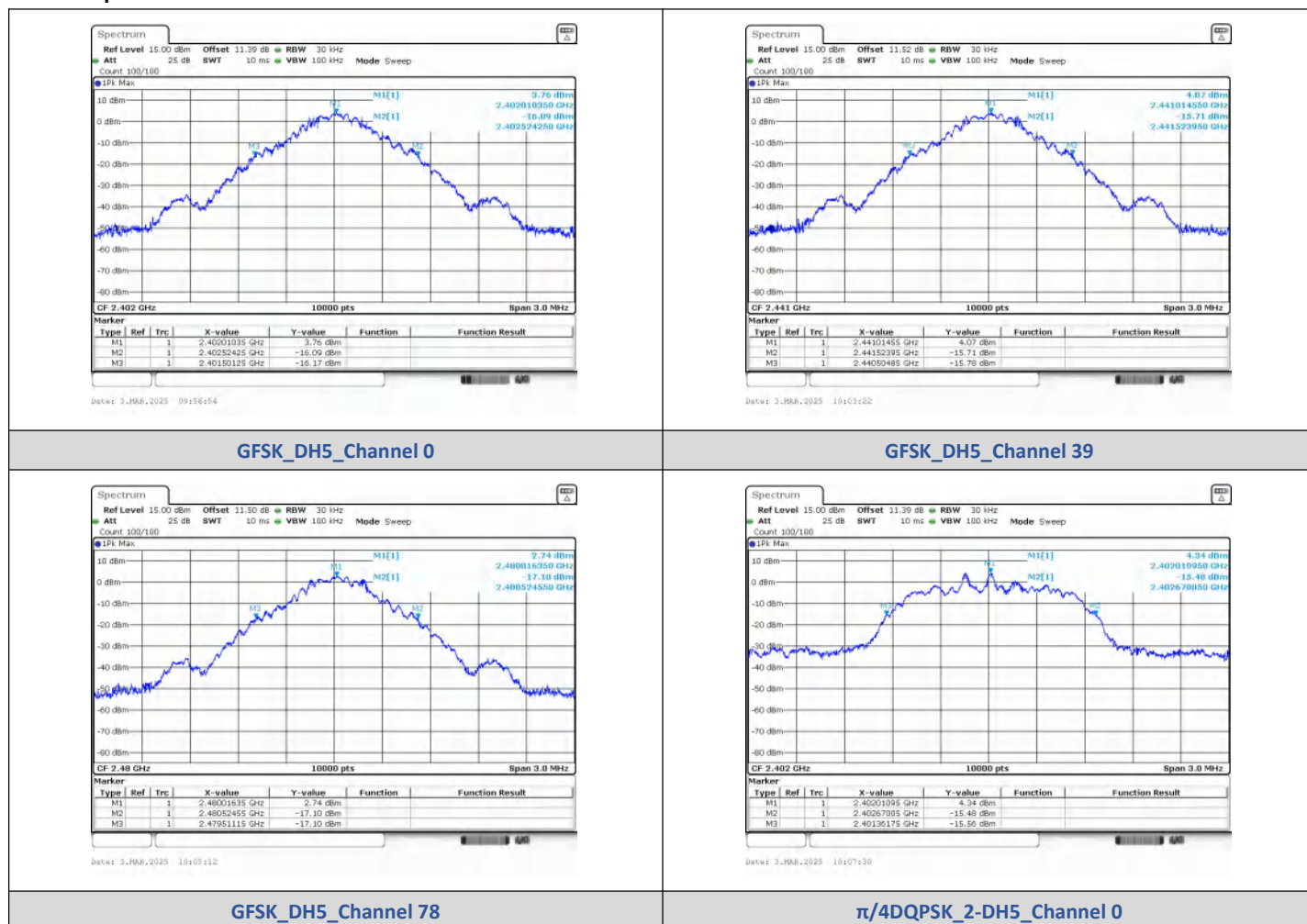
## 5) 20dB Bandwidth

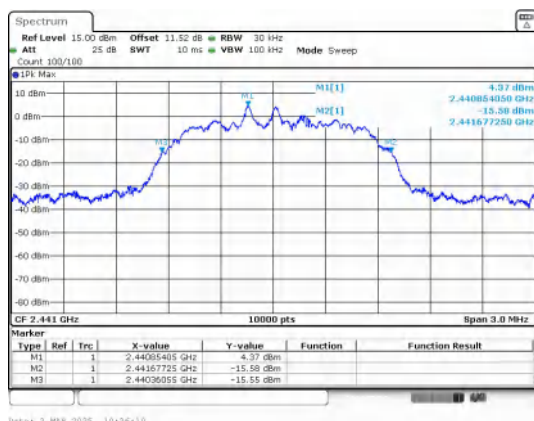
### Test Result

Left:

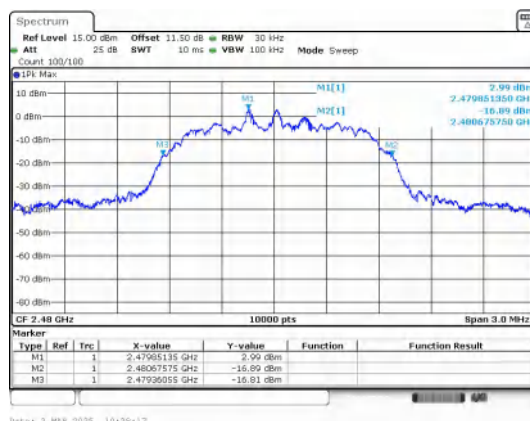
| Modulation    | Channel | Center Frequency (MHz) | 20 dB Bandwidth (MHz) |
|---------------|---------|------------------------|-----------------------|
| GFSK          | 0       | 2402 MHz               | 1.020                 |
|               | 39      | 2441 MHz               | 1.020                 |
|               | 78      | 2480 MHz               | 1.010                 |
| $\pi$ /4DQPSK | 0       | 2402 MHz               | 1.310                 |
|               | 39      | 2441 MHz               | 1.320                 |
|               | 78      | 2480 MHz               | 1.320                 |
| 8DPSK         | 0       | 2402 MHz               | 1.300                 |
|               | 39      | 2441 MHz               | 1.290                 |
|               | 78      | 2480 MHz               | 1.290                 |

### Test Graphs

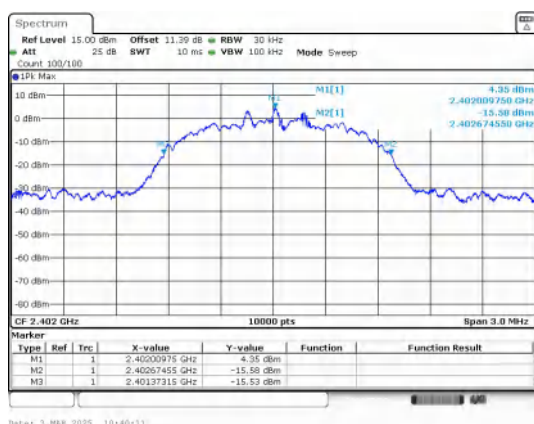




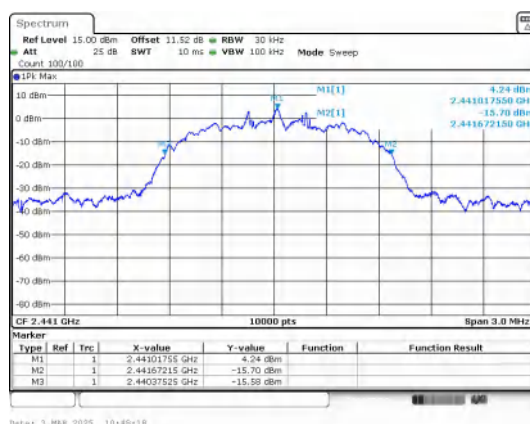
$\pi/4$ DQPSK\_2-DH5\_Channel 39



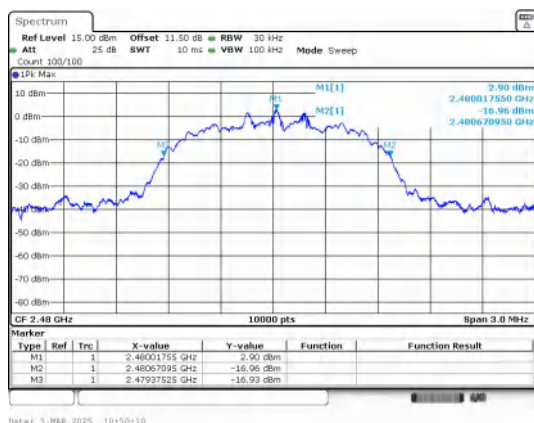
$\pi/4$ DQPSK\_2-DH5\_Channel 78



8DPSK\_3-DH5\_Channel 0



8DPSK\_3-DH5\_Channel 39



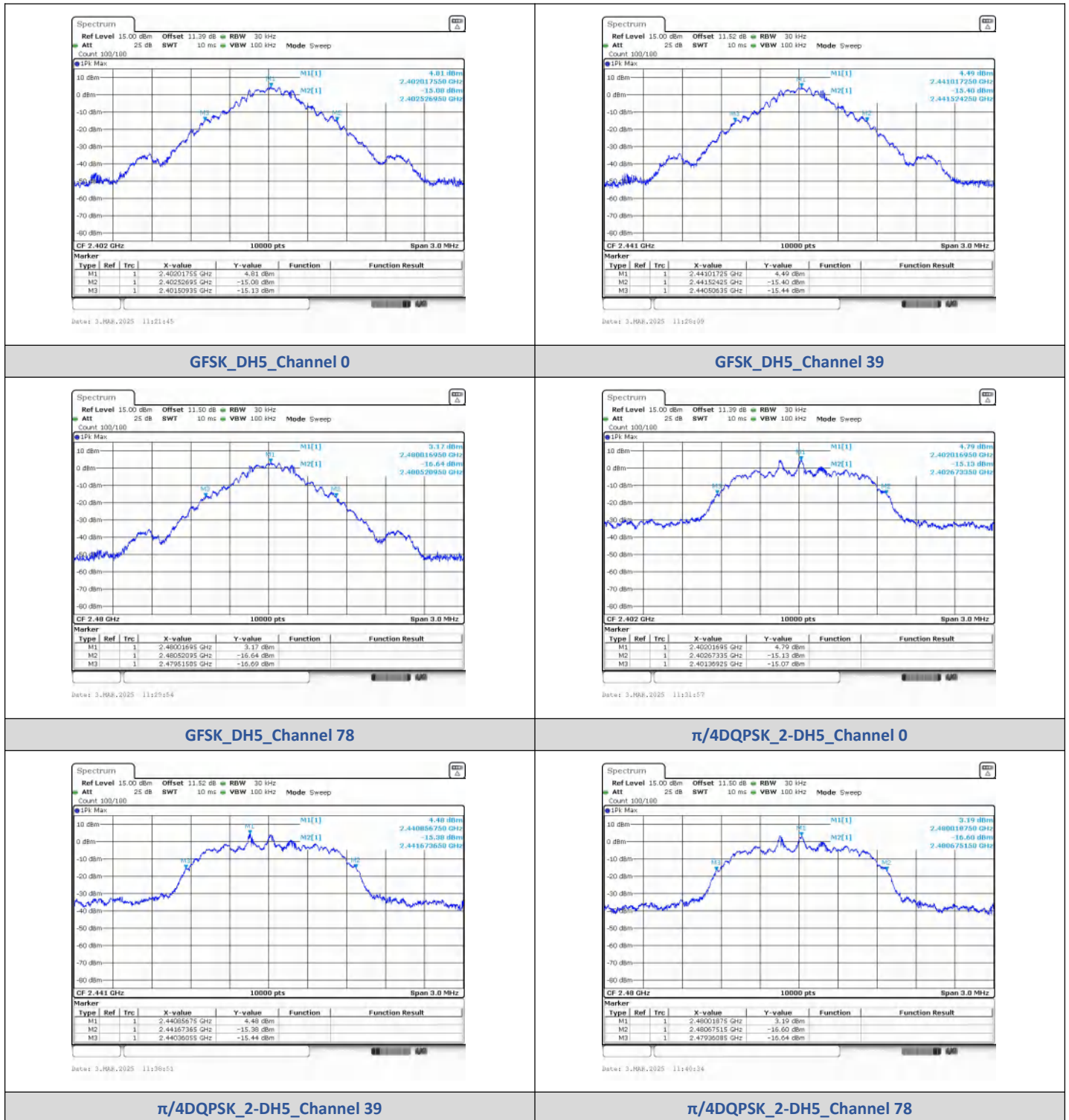
8DPSK\_3-DH5\_Channel 78

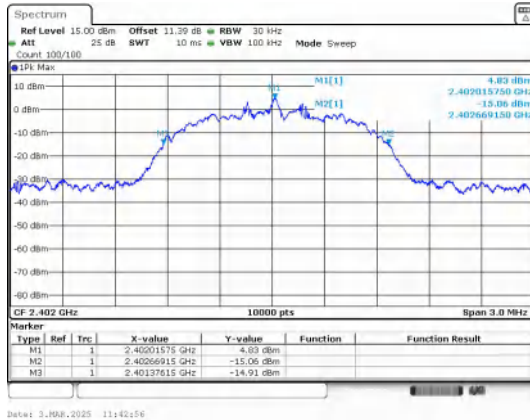
Right:

| Modulation    | Channel | Center Frequency (MHz) | 20 dB Bandwidth (MHz) |
|---------------|---------|------------------------|-----------------------|
| GFSK          | 0       | 2402 MHz               | 1.020                 |
|               | 39      | 2441 MHz               | 1.010                 |
|               | 78      | 2480 MHz               | 1.000                 |
| $\pi/4$ DQPSK | 0       | 2402 MHz               | 1.300                 |
|               | 39      | 2441 MHz               | 1.310                 |
|               | 78      | 2480 MHz               | 1.320                 |

|       |    |          |       |
|-------|----|----------|-------|
| 8DPSK | 0  | 2402 MHz | 1.290 |
|       | 39 | 2441 MHz | 1.290 |
|       | 78 | 2480 MHz | 1.290 |

## Test Graphs

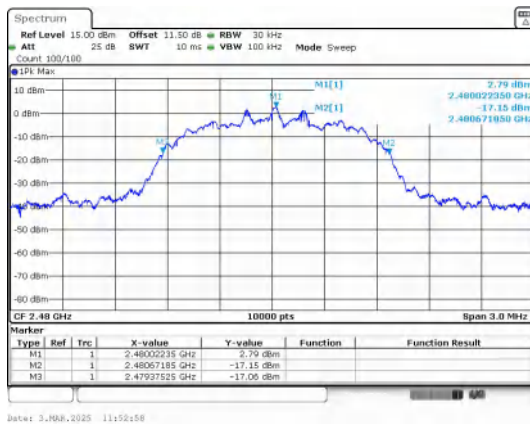




8DPSK\_3-DH5\_Channel 0



8DPSK\_3-DH5\_Channel 39



8DPSK\_3-DH5\_Channel 78

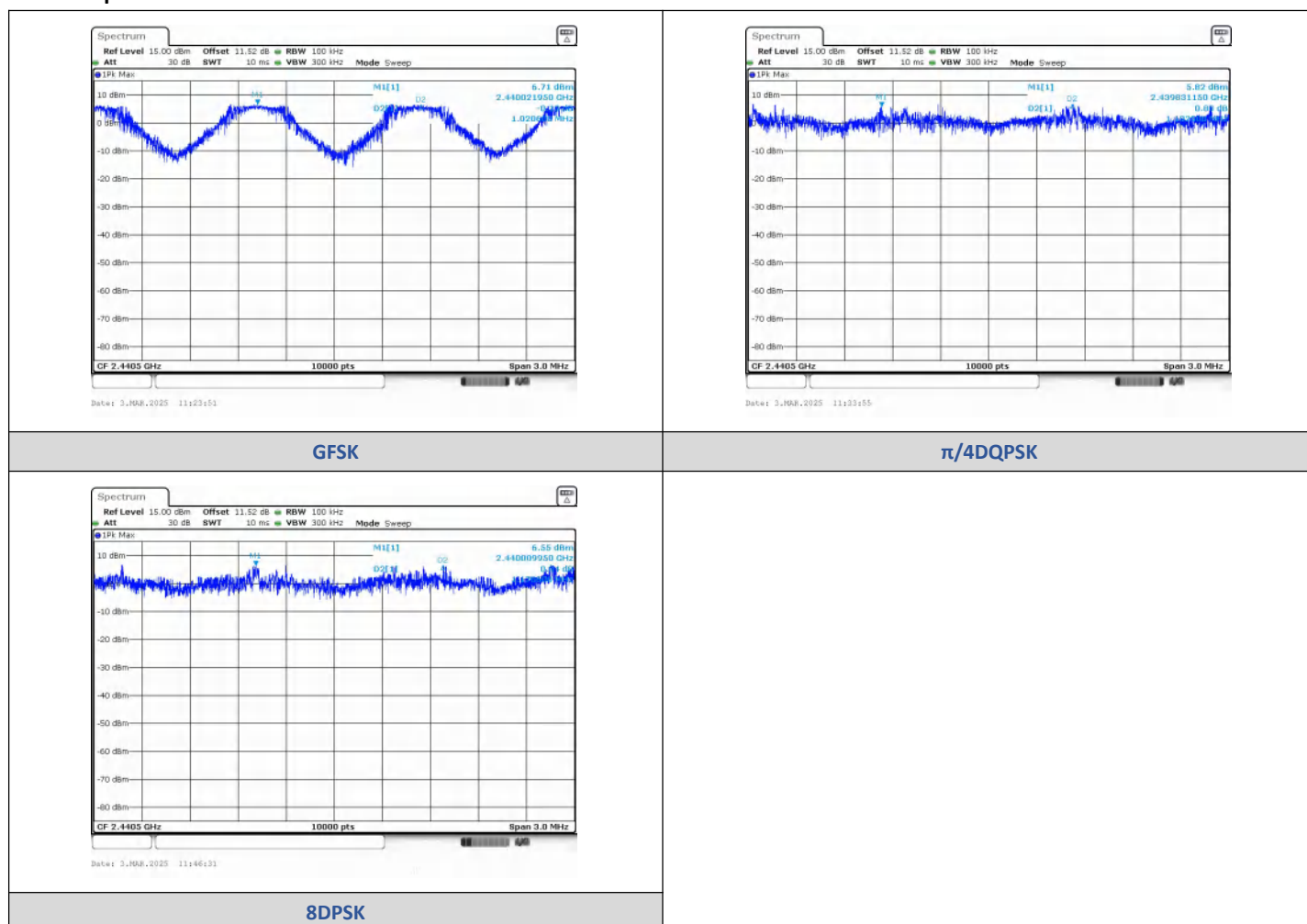
## 6) Carrier Frequencies Separation

### Test Result

Left:

| Modulation    | Packet | Left Center frequency (MHz) | Right Center frequency (MHz) | Hopping Frequency Separation (MHz) | Limit (MHz) | Result |
|---------------|--------|-----------------------------|------------------------------|------------------------------------|-------------|--------|
| GFSK          | DH5    | 2440.0219                   | 2441.0426                    | 1.0206                             | 1.02        | PASS   |
| $\pi/4$ DQPSK | 2-DH5  | 2439.8311                   | 2441.0237                    | 1.1925                             | 0.867       | PASS   |
| 8DPSK         | 3-DH5  | 2440.01                     | 2441.1806                    | 1.1706                             | 0.86        | PASS   |

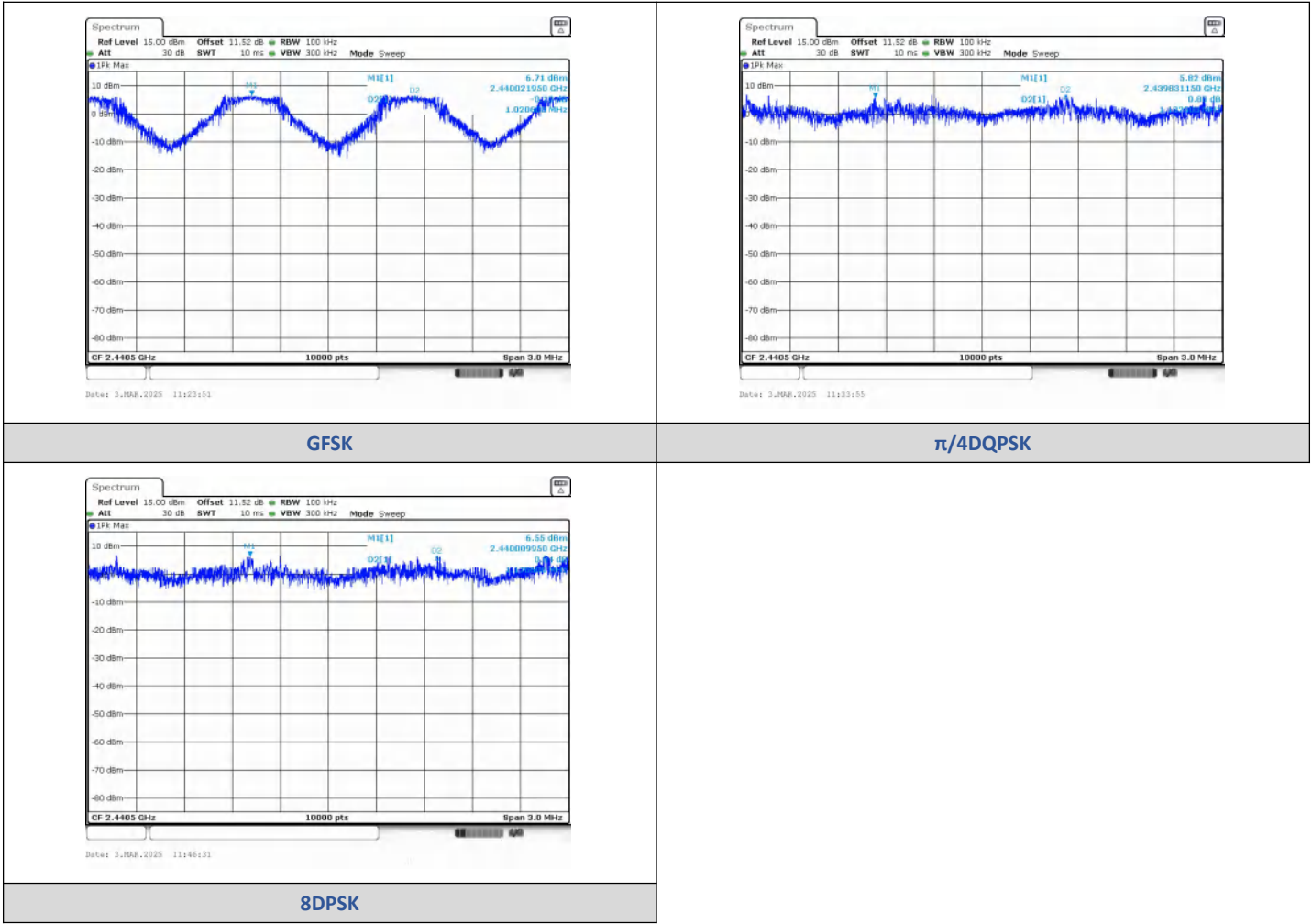
### Test Graphs



Right:

| Modulation    | Packet | Left Center frequency (MHz) | Right Center frequency (MHz) | Hopping Frequency Separation (MHz) | Limit (MHz) | Result |
|---------------|--------|-----------------------------|------------------------------|------------------------------------|-------------|--------|
| GFSK          | DH5    | 2440.0219                   | 2441.0426                    | 1.0206                             | 1.02        | PASS   |
| $\pi/4$ DQPSK | 2-DH5  | 2439.8311                   | 2441.0237                    | 1.1925                             | 0.867       | PASS   |
| 8DPSK         | 3-DH5  | 2440.01                     | 2441.1806                    | 1.1706                             | 0.86        | PASS   |

Test Graphs



## 7) Conducted Out Of Band Emission

### Test Result

#### Left:

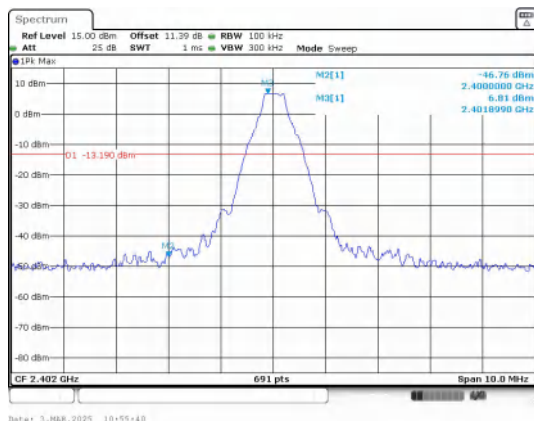
#### Non-Hopping

| Modulation    | Packet | Channel | OOB Emission Frequency (MHz) | OOB Emission Level (dBm) | Limit (dBm) | Over Limit (dB) | Result |
|---------------|--------|---------|------------------------------|--------------------------|-------------|-----------------|--------|
| GFSK          | DH5    | 0       | 2400.00                      | -46.760                  | -13.19      | -33.570         | PASS   |
|               |        |         | 7205.96                      | -36.973                  | -13.19      | -23.783         | PASS   |
|               |        | 39      | 4882.09                      | -39.141                  | -13.55      | -25.591         | PASS   |
|               |        | 78      | 2483.50                      | -49.260                  | -14.72      | -34.540         | PASS   |
|               |        |         | 9920.20                      | -37.633                  | -14.72      | -22.913         | PASS   |
| $\pi/4$ DQPSK | 2-DH5  | 0       | 2400.00                      | -44.250                  | -13.42      | -30.830         | PASS   |
|               |        |         | 7206.79                      | -40.607                  | -13.42      | -27.187         | PASS   |
|               |        | 39      | 9763.72                      | -40.611                  | -13.36      | -27.251         | PASS   |
|               |        | 78      | 2483.50                      | -48.950                  | -14.54      | -34.410         | PASS   |
|               |        |         | 9920.20                      | -37.240                  | -14.54      | -22.700         | PASS   |
| 8DPSK         | 3-DH5  | 0       | 2400.00                      | -44.300                  | -13.15      | -31.150         | PASS   |
|               |        |         | 9608.08                      | -42.143                  | -13.15      | -28.993         | PASS   |
|               |        | 39      | 5825.95                      | -39.731                  | -13.39      | -26.341         | PASS   |
|               |        | 78      | 2483.50                      | -49.720                  | -14.6       | -35.120         | PASS   |
|               |        |         | 9920.20                      | -37.163                  | -14.6       | -22.563         | PASS   |

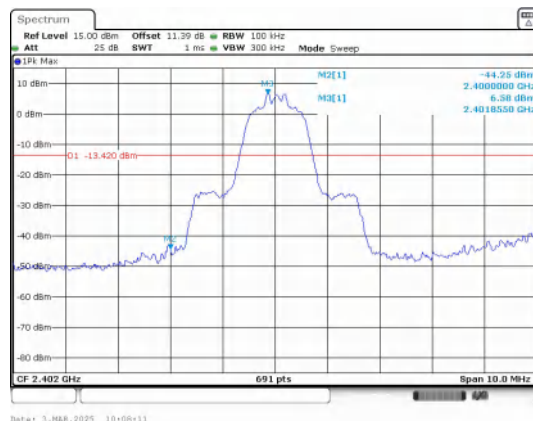
#### Hopping

| Hopping       |        |         |                                    |                                |                |                    |        |
|---------------|--------|---------|------------------------------------|--------------------------------|----------------|--------------------|--------|
| Modulation    | Packet | Channel | OOB Emission<br>Frequency<br>(MHz) | OOB Emission<br>Level<br>(dBm) | Limit<br>(dBm) | Over Limit<br>(dB) | Result |
| GFSK          | DH5    | Hopping | 2396.22                            | -48.551                        | -13.44         | -35.111            | PASS   |
|               |        |         | 2400.00                            | -49.760                        | -13.44         | -36.320            | PASS   |
|               |        |         | 2483.50                            | -49.640                        | -14.58         | -35.060            | PASS   |
| $\pi/4$ DQPSK | 2-DH5  |         | 2400.00                            | -43.480                        | -13.78         | -29.700            | PASS   |
|               |        |         | 2483.50                            | -50.560                        | -17.32         | -33.240            | PASS   |
| 8DPSK         | 3-DH5  |         | 2400.00                            | -47.470                        | -13.27         | -34.200            | PASS   |
|               |        |         | 2483.50                            | -48.990                        | -14.62         | -34.370            | PASS   |

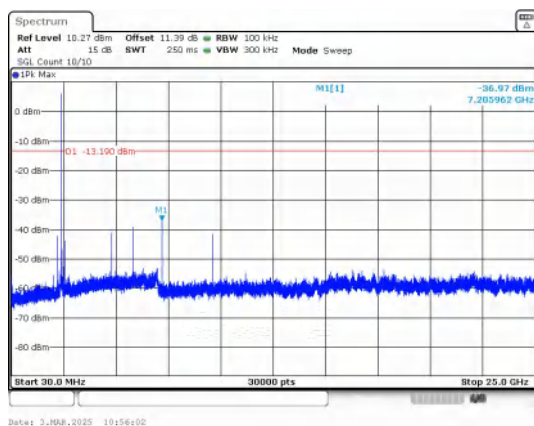
### Test Graphs



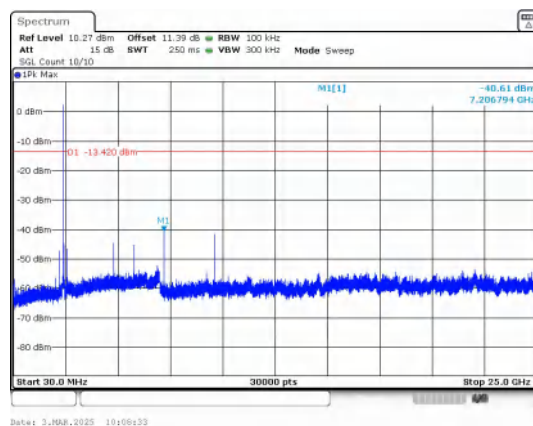
Out Of Band Emission  
GFSK\_DH5\_Channel 0



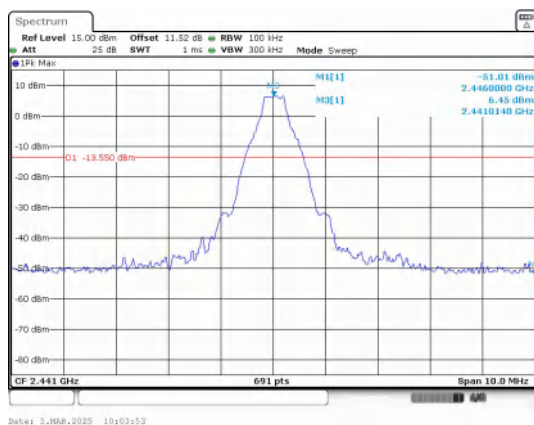
Out Of Band Emission  
 $\pi/4$ DQPSK\_2-DH5\_Channel 0



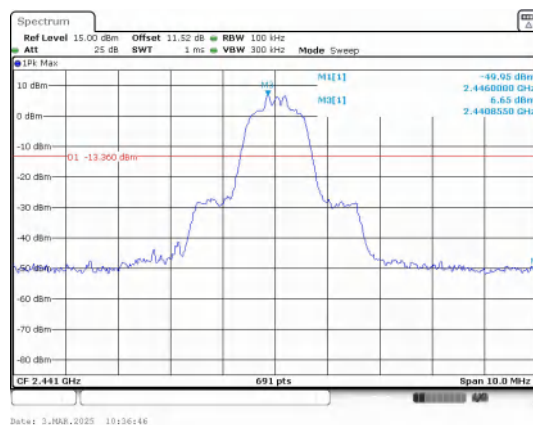
30.0 MHz - 25000.0 MHz  
GFSK\_DH5\_Channel 0



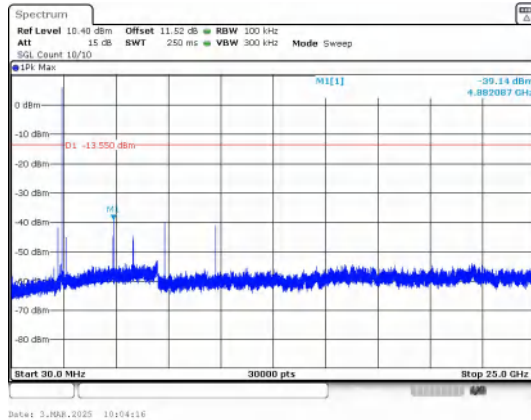
30.0 MHz - 25000.0 MHz  
 $\pi/4$ DQPSK\_2-DH5\_Channel 0



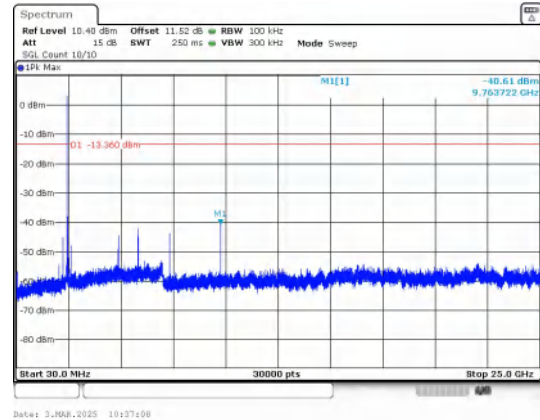
Out Of Band Emission  
GFSK\_DH5\_Channel 39



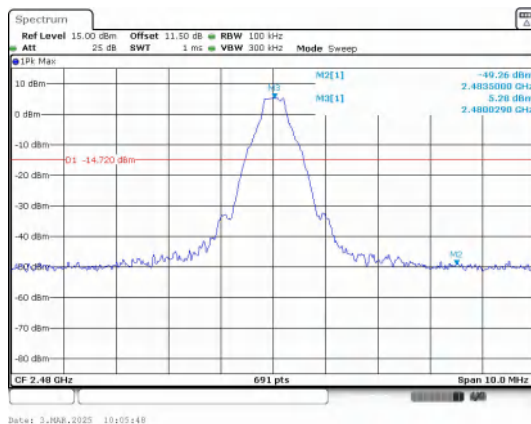
Out Of Band Emission  
 $\pi/4$ DQPSK\_2-DH5\_Channel 39



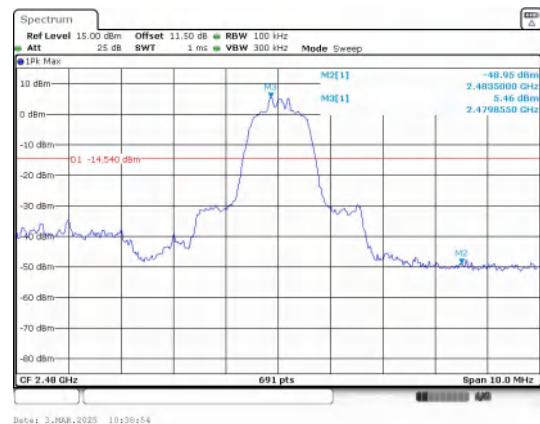
30.0 MHz - 25000.0 MHz  
GFSK\_DH5\_Channel 39



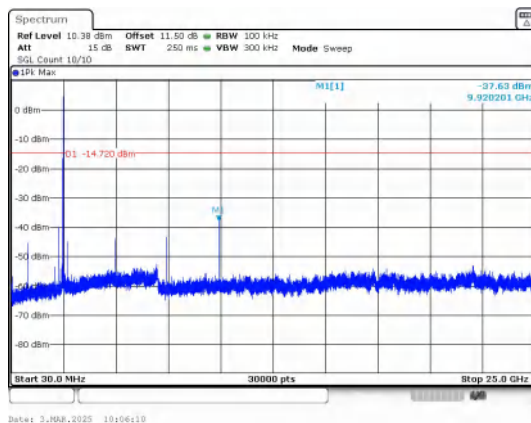
30.0 MHz - 25000.0 MHz  
 $\pi/4$ DQPSK\_2-DH5\_Channel 39



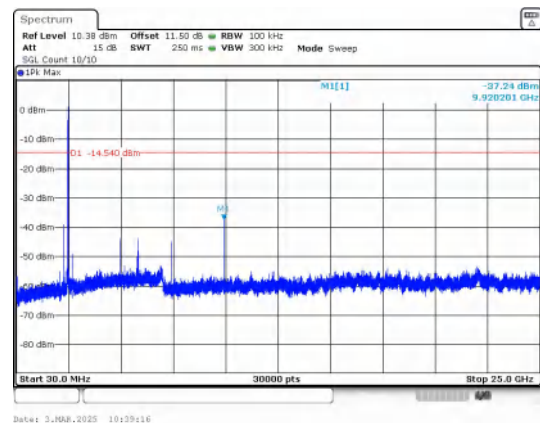
Out Of Band Emission  
GFSK\_DH5\_Channel 78



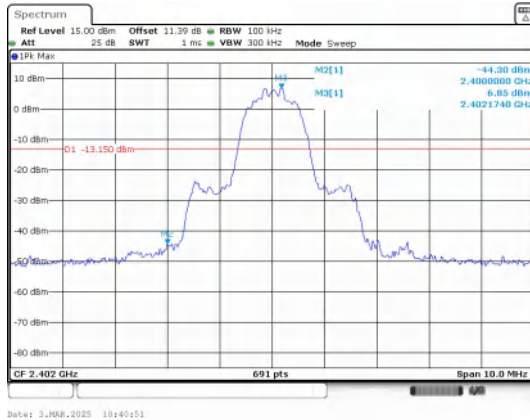
Out Of Band Emission  
 $\pi/4$ DQPSK\_2-DH5\_Channel 78



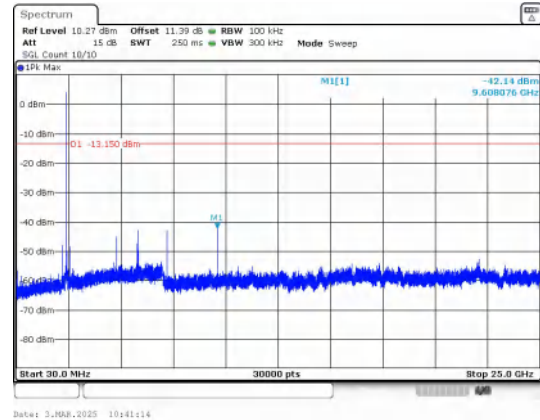
30.0 MHz - 25000.0 MHz  
GFSK\_DH5\_Channel 78



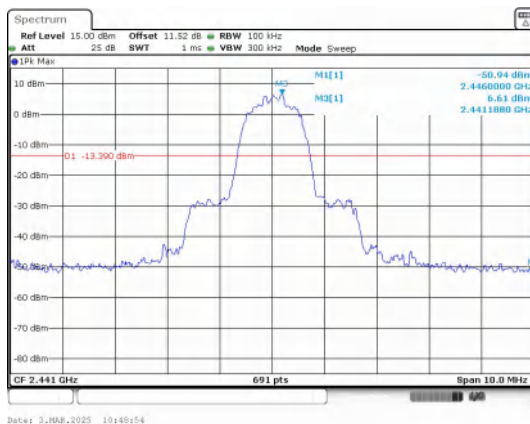
30.0 MHz - 25000.0 MHz  
 $\pi/4$ DQPSK\_2-DH5\_Channel 78



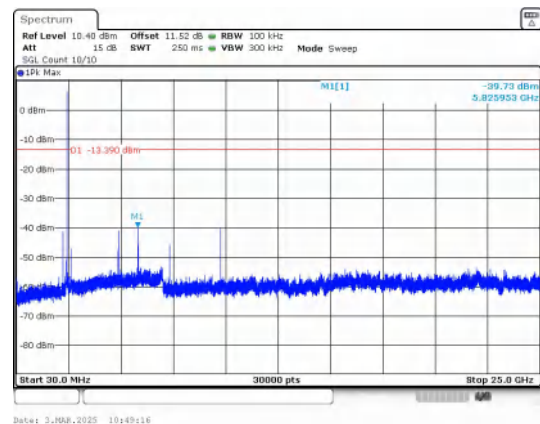
Out Of Band Emission  
8DPSK\_3-DH5\_Channel 0



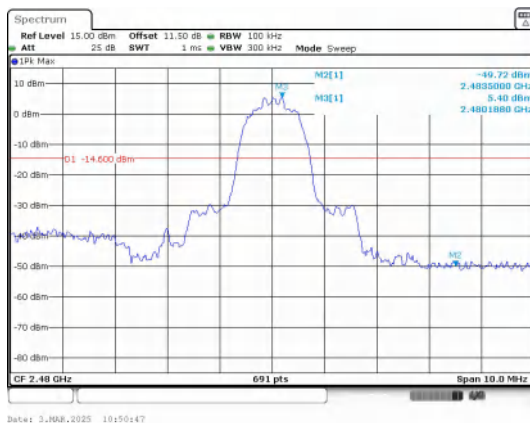
30.0 MHz - 25000.0 MHz  
8DPSK\_3-DH5\_Channel 0



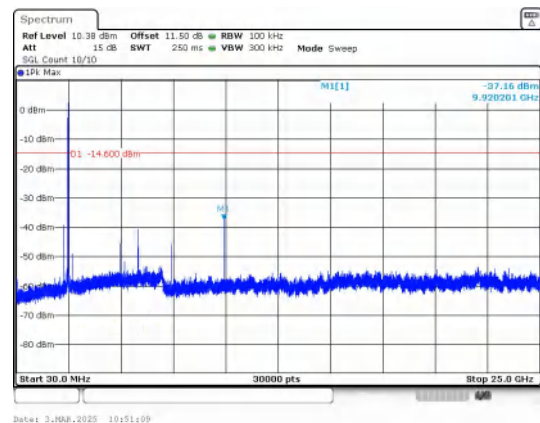
Out Of Band Emission  
8DPSK\_3-DH5\_Channel 39



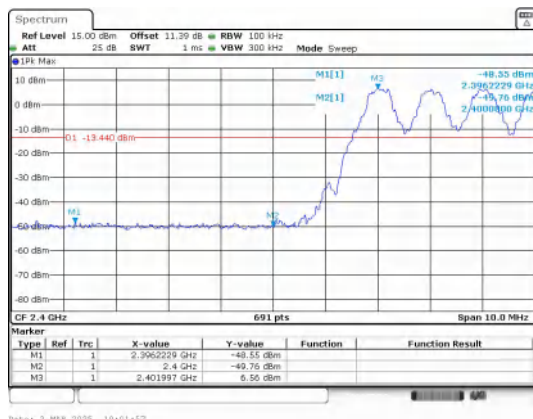
30.0 MHz - 25000.0 MHz  
8DPSK\_3-DH5\_Channel 39



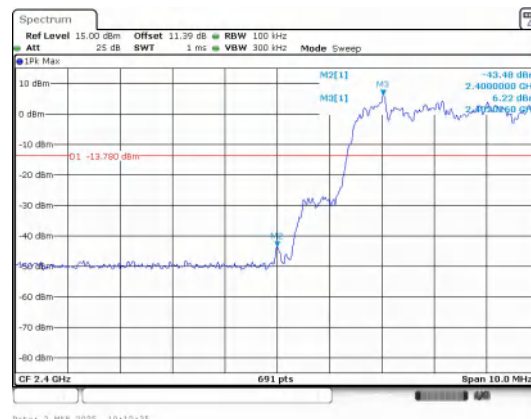
Out Of Band Emission  
8DPSK\_3-DH5\_Channel 78



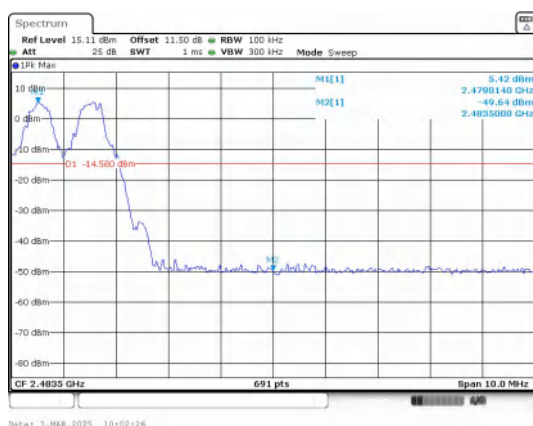
30.0 MHz - 25000.0 MHz  
8DPSK\_3-DH5\_Channel 78



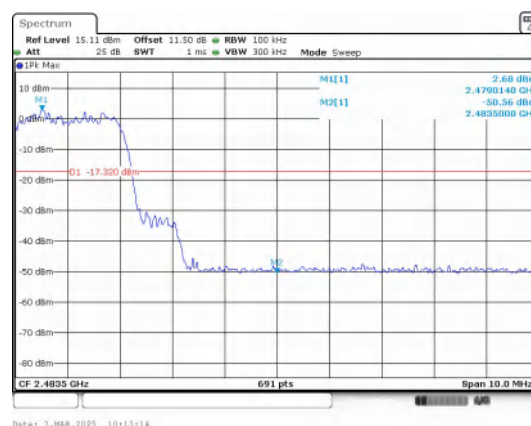
Out Of Band Emission(Left)  
GFSK\_DH5\_Channel Hopping



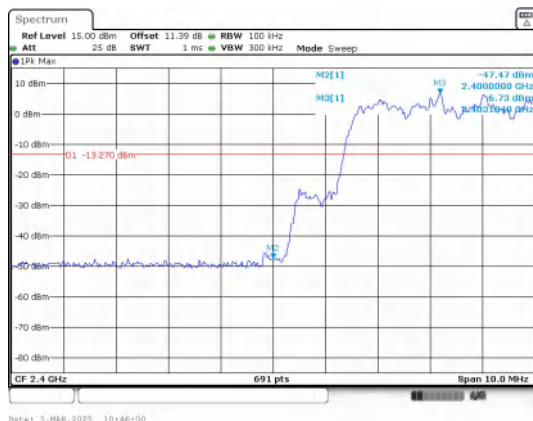
Out Of Band Emission(Left)  
 $\pi/4$ DQPSK\_2-DH5\_Channel Hopping



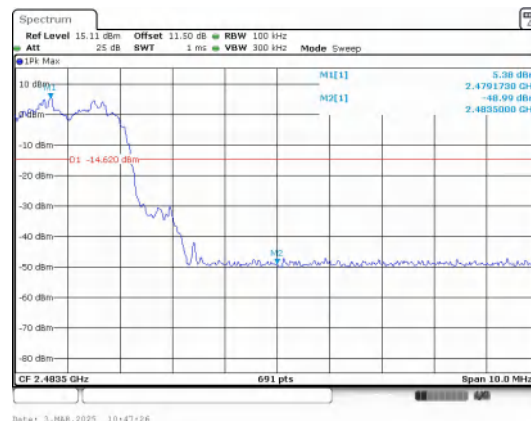
Out Of Band Emission(Right)  
GFSK\_DH5\_Channel Hopping



Out Of Band Emission(Right)  
 $\pi/4$ DQPSK\_2-DH5\_Channel Hopping



Out Of Band Emission(Left)  
8DPSK\_3-DH5\_Channel Hopping



Out Of Band Emission(Right)  
8DPSK\_3-DH5\_Channel Hopping

Right:  
Non-Hopping

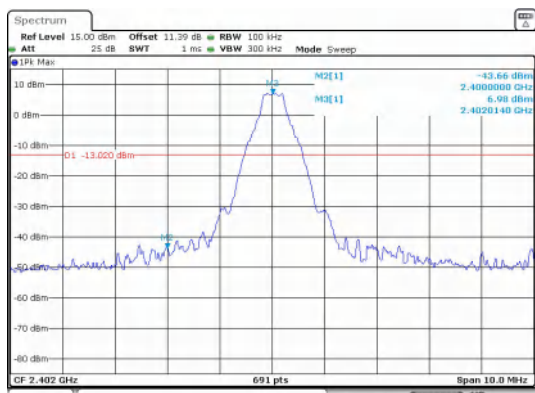
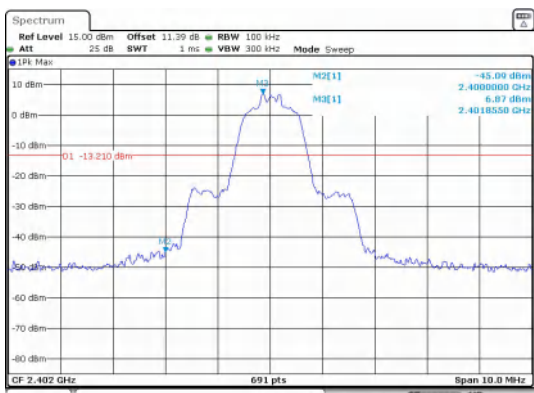
| Modulation | Packet | Channel | OOB Emission<br>Frequency<br>(MHz) | OOB Emission<br>Level<br>(dBm) | Limit<br>(dBm) | Over Limit<br>(dB) | Result |
|------------|--------|---------|------------------------------------|--------------------------------|----------------|--------------------|--------|
|------------|--------|---------|------------------------------------|--------------------------------|----------------|--------------------|--------|

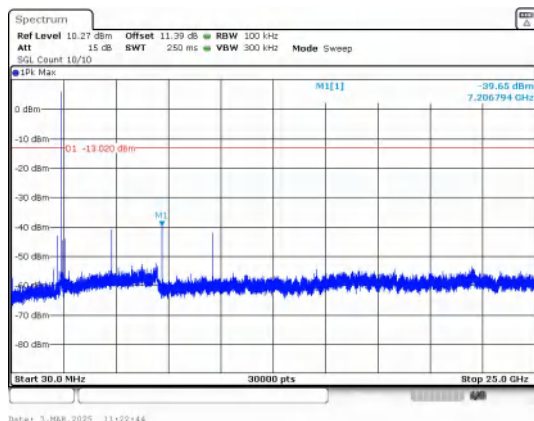
|               |       |    |         |         |        |         |      |
|---------------|-------|----|---------|---------|--------|---------|------|
| GFSK          | DH5   | 0  | 2400.00 | -43.660 | -13.02 | -30.640 | PASS |
|               |       |    | 7206.79 | -39.653 | -13.02 | -26.633 | PASS |
|               |       | 39 | 9763.72 | -40.589 | -13.26 | -27.329 | PASS |
|               |       | 78 | 2483.50 | -50.670 | -14.47 | -36.200 | PASS |
|               |       |    | 9920.20 | -37.388 | -14.47 | -22.918 | PASS |
| $\pi/4$ DQPSK | 2-DH5 | 0  | 2400.00 | -45.090 | -13.21 | -31.880 | PASS |
|               |       |    | 9608.08 | -41.361 | -13.21 | -28.151 | PASS |
|               |       | 39 | 9763.72 | -40.029 | -13.53 | -26.499 | PASS |
|               |       | 78 | 2483.50 | -50.580 | -14.4  | -36.180 | PASS |
|               |       |    | 9920.20 | -36.820 | -14.4  | -22.420 | PASS |
| 8DPSK         | 3-DH5 | 0  | 2400.00 | -45.500 | -13.26 | -32.240 | PASS |
|               |       |    | 9608.08 | -41.617 | -13.26 | -28.357 | PASS |
|               |       | 39 | 4882.09 | -39.374 | -13.76 | -25.614 | PASS |
|               |       | 78 | 2483.50 | -49.620 | -14.63 | -34.990 | PASS |
|               |       |    | 9920.20 | -37.065 | -14.63 | -22.435 | PASS |

## Hopping

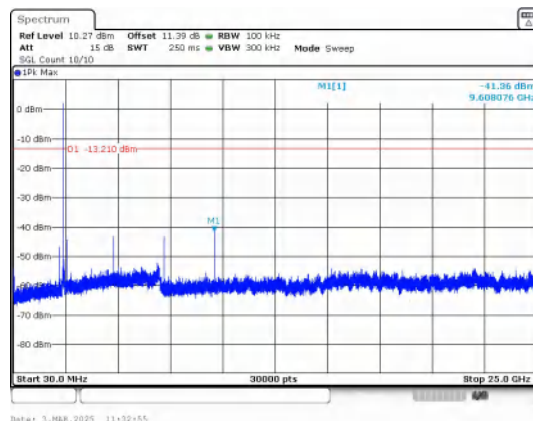
| Modulation    | Packet | Channel | OOB Emission<br>Frequency<br>(MHz) | OOB Emission<br>Level<br>(dBm) | Limit<br>(dBm) | Over Limit<br>(dB) | Result |
|---------------|--------|---------|------------------------------------|--------------------------------|----------------|--------------------|--------|
| GFSK          | DH5    | Hopping | 2397.53                            | -47.394                        | -13.4          | -33.994            | PASS   |
|               |        |         | 2400.00                            | -48.870                        | -13.4          | -35.470            | PASS   |
|               |        |         | 2483.50                            | -49.440                        | -14.81         | -34.630            | PASS   |
| $\pi/4$ DQPSK | 2-DH5  |         | 2396.95                            | -48.266                        | -13.61         | -34.656            | PASS   |
|               |        |         | 2400.00                            | -48.270                        | -13.61         | -34.660            | PASS   |
|               |        |         | 2483.50                            | -49.120                        | -17.86         | -31.260            | PASS   |
| 8DPSK         | 3-DH5  |         | 2400.00                            | -45.400                        | -14.1          | -31.300            | PASS   |
|               |        |         | 2483.50                            | -48.620                        | -17.73         | -30.890            | PASS   |

## Test Graphs

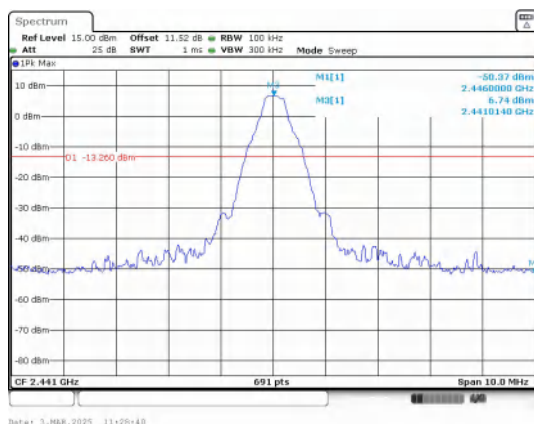
|                                                                                                                                        |                                                                                                                                                              |
|----------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <p>Out Of Band Emission<br/>GFSK_DH5_Channel 0</p> |  <p>Out Of Band Emission<br/><math>\pi/4</math>DQPSK_2-DH5_Channel 0</p> |
|----------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|



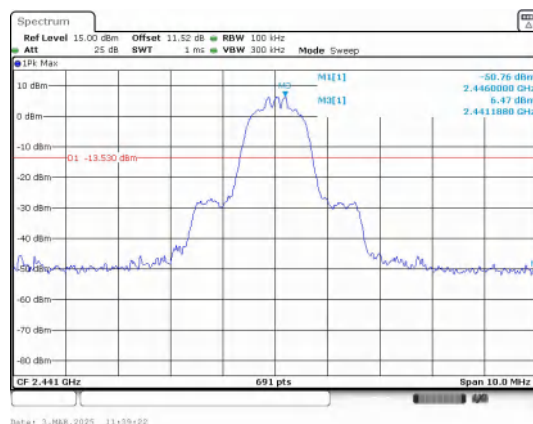
30.0 MHz - 25000.0 MHz  
GFSK\_DH5\_Channel 0



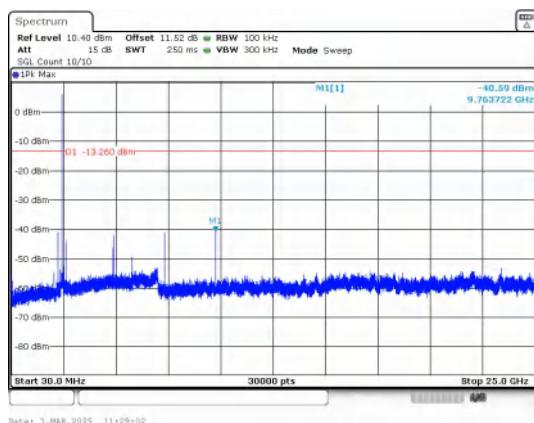
30.0 MHz - 25000.0 MHz  
 $\pi/4$ DQPSK\_2-DH5\_Channel 0



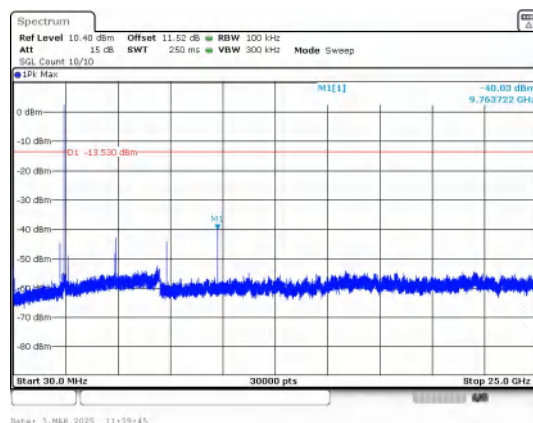
Out Of Band Emission  
GFSK\_DH5\_Channel 39



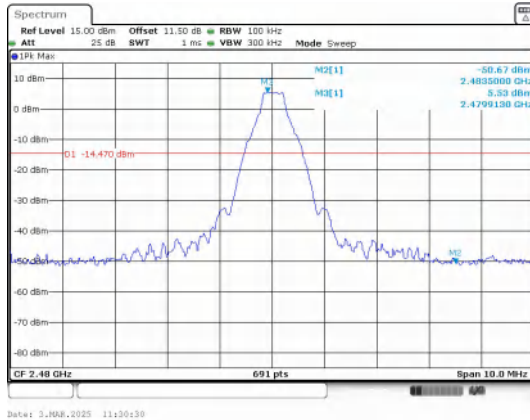
Out Of Band Emission  
 $\pi/4$ DQPSK\_2-DH5\_Channel 39



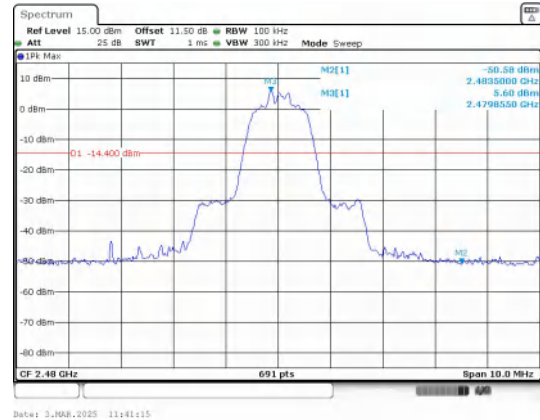
30.0 MHz - 25000.0 MHz  
GFSK\_DH5\_Channel 39



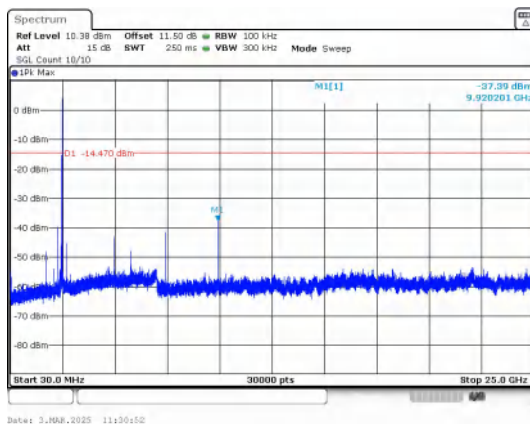
30.0 MHz - 25000.0 MHz  
 $\pi/4$ DQPSK\_2-DH5\_Channel 39



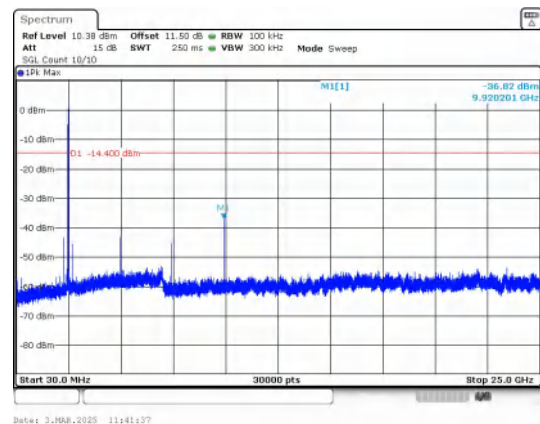
Out Of Band Emission  
GFSK\_DH5\_Channel 78



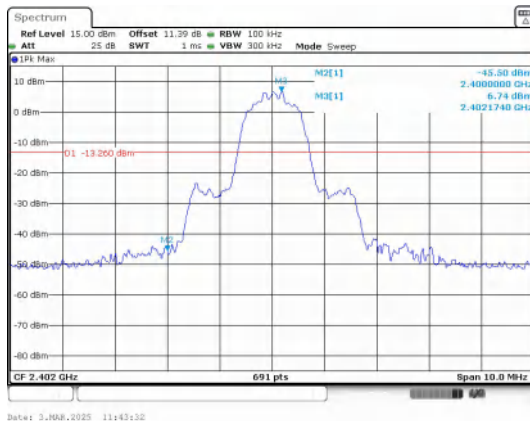
Out Of Band Emission  
 $\pi/4$ DQPSK\_2-DH5\_Channel 78



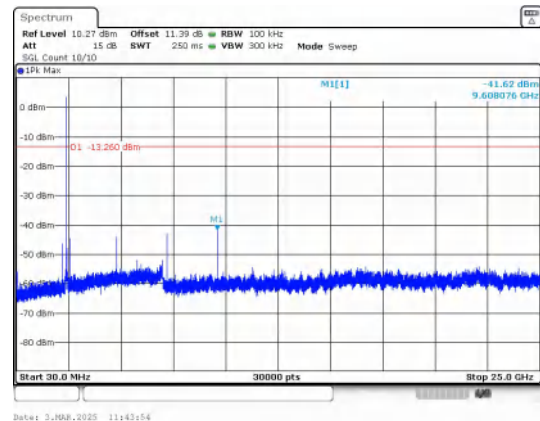
30.0 MHz - 25000.0 MHz  
GFSK\_DH5\_Channel 78



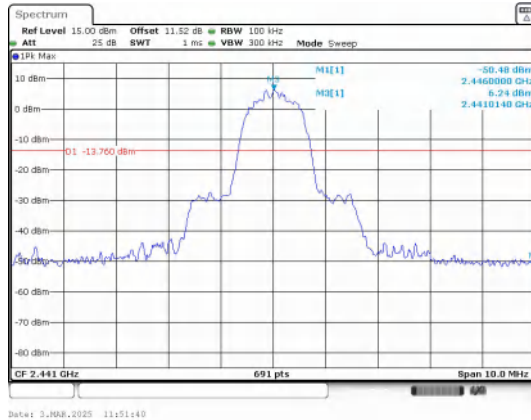
30.0 MHz - 25000.0 MHz  
 $\pi/4$ DQPSK\_2-DH5\_Channel 78



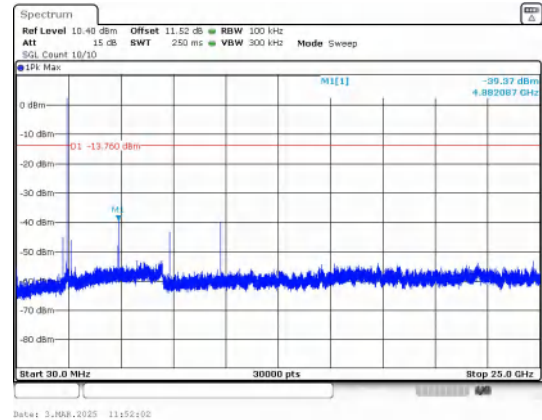
Out Of Band Emission  
8DPSK\_3-DH5\_Channel 0



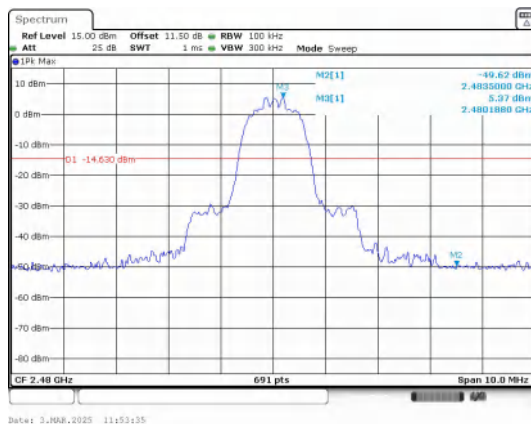
30.0 MHz - 25000.0 MHz  
8DPSK\_3-DH5\_Channel 0



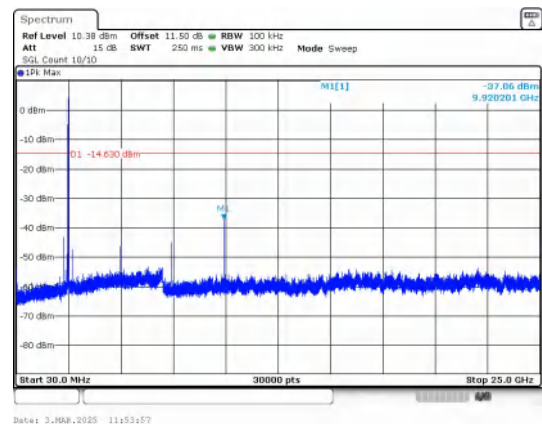
Out Of Band Emission  
8DPSK\_3-DH5\_Channel 39



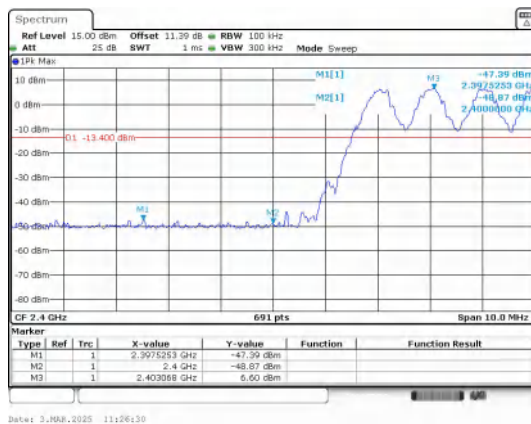
30.0 MHz - 25000.0 MHz  
8DPSK\_3-DH5\_Channel 39



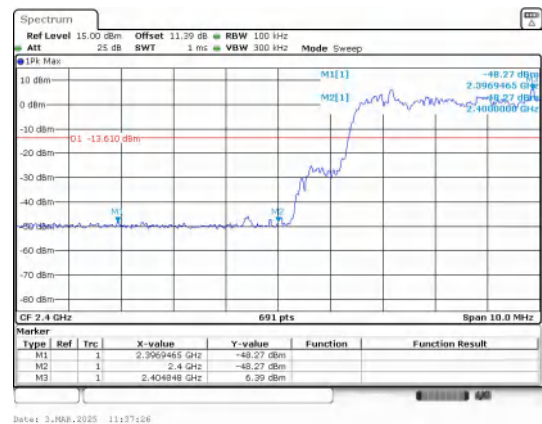
Out Of Band Emission  
8DPSK\_3-DH5\_Channel 78



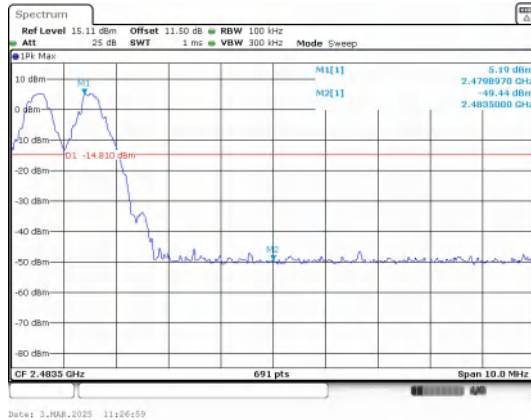
30.0 MHz - 25000.0 MHz  
8DPSK\_3-DH5\_Channel 78



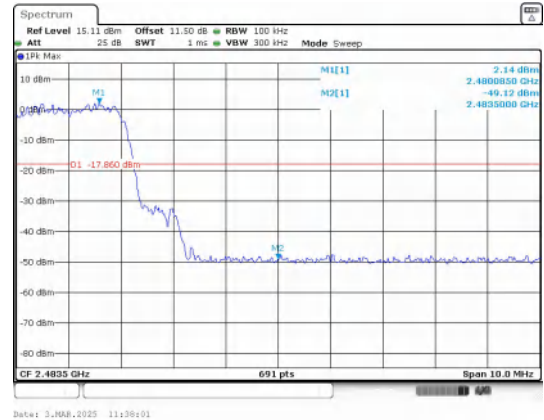
Out Of Band Emission(Left)  
GFSK\_DH5\_Channel Hopping



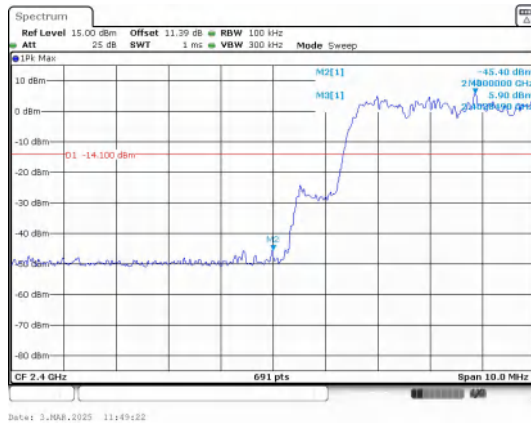
Out Of Band Emission(Left)  
 $\pi/4$ DQPSK\_2-DH5\_Channel Hopping



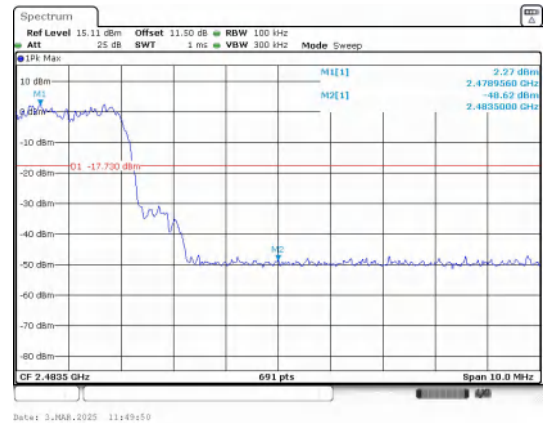
Out Of Band Emission(Right)  
GFSK\_DH5\_Channel Hopping



Out Of Band Emission(Right)  
 $\pi/4$ DQPSK\_2-DH5\_Channel Hopping



Out Of Band Emission(Left)  
8DPSK\_3-DH5\_Channel Hopping



Out Of Band Emission(Right)  
8DPSK\_3-DH5\_Channel Hopping

-----End of the report-----