

# Appendix Report

|                |               |
|----------------|---------------|
| Project No.:   | CISR250606031 |
| Test Engineer: | James Wang    |
| Supervised by: | Rory Huang    |

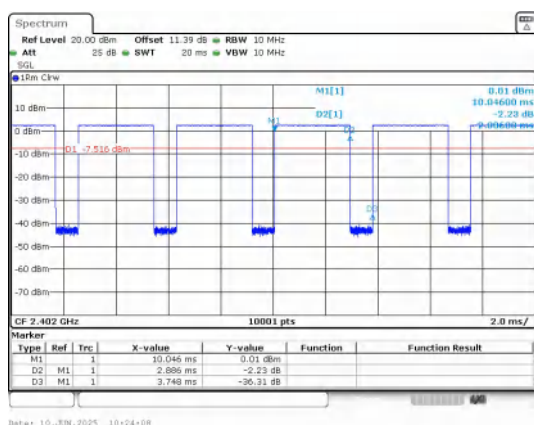
# 1) Duty Cycle

LEFT:

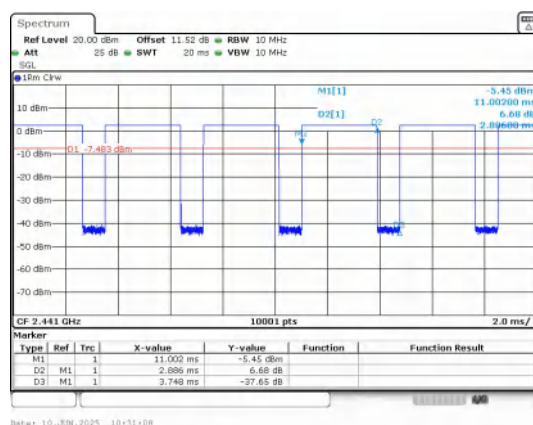
Test Result

| 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       | 2.892        | 3.748       | 77.16          | 0.7716              | 1.1261                 | 0.3458 |
|               |         | 39      | 2.890        | 3.748       | 77.11          | 0.7711              | 1.1289                 | 0.3460 |
|               |         | 78      | 2.892        | 3.748       | 77.16          | 0.7716              | 1.1261                 | 0.3458 |
| 8DPSK         | 3-DH5   | 0       | 2.360        | 3.746       | 63.00          | 0.6300              | 2.0066                 | 0.4237 |
|               |         | 39      | 2.360        | 3.748       | 62.97          | 0.6297              | 2.0087                 | 0.4237 |
|               |         | 78      | 2.362        | 3.748       | 63.02          | 0.6302              | 2.0052                 | 0.4234 |

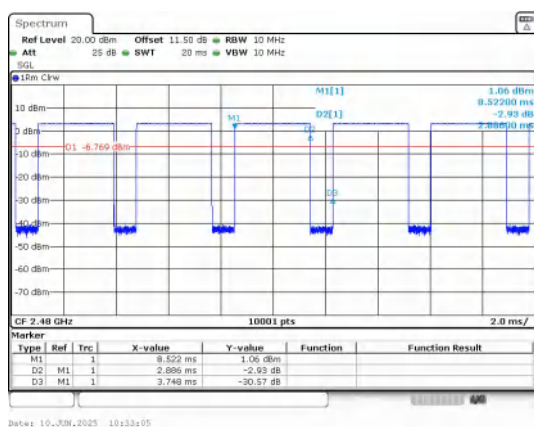
## Test Graphs



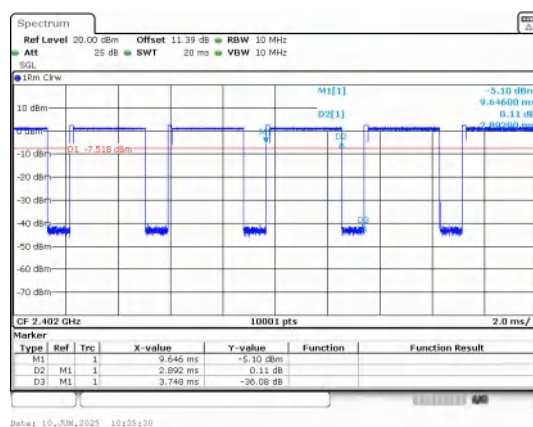
GFSK(DH5)\_Channel 0

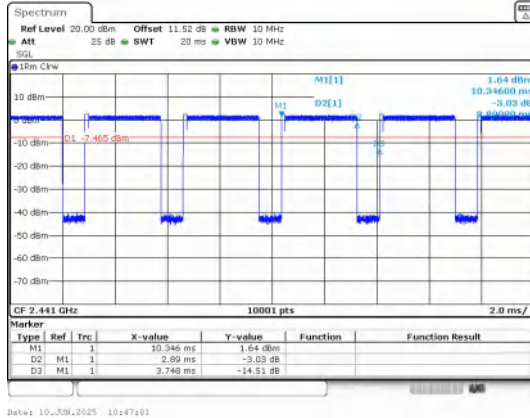


GFSK(DH5)\_Channel 39

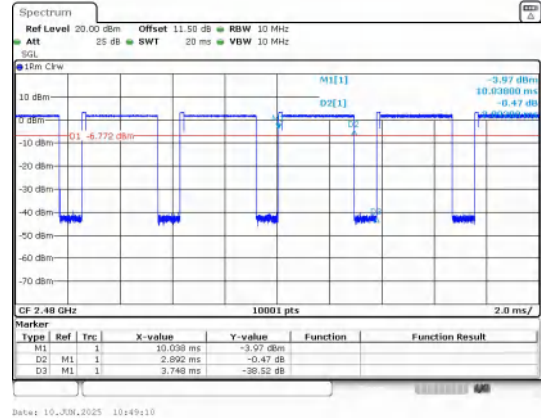


GFSK(DH5)\_Channel 78

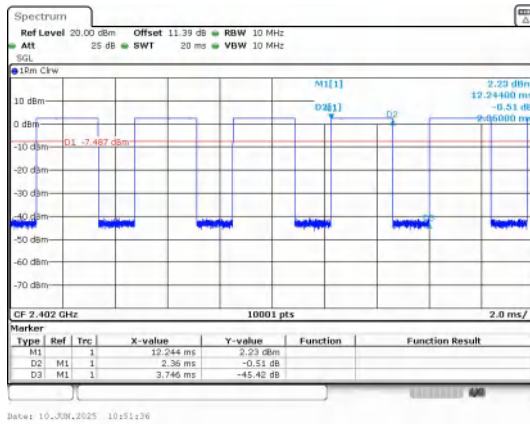

 $\pi/4$ DQPSK(2-DH5)\_Channel 0



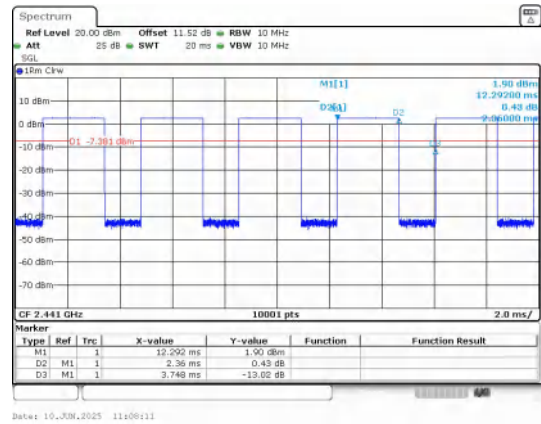
$\pi/4$ DQPSK(2-DH5)\_Channel 39



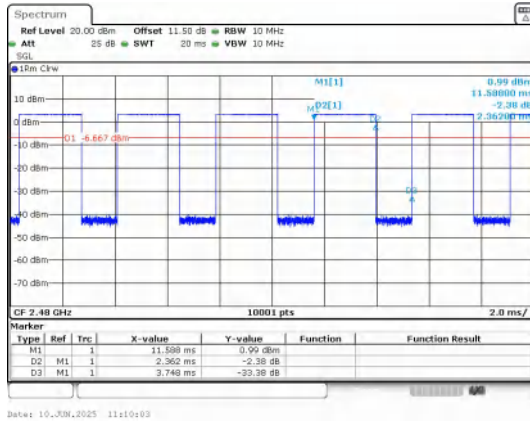
$\pi/4$ DQPSK(2-DH5)\_Channel 78



8DPSK(3-DH5)\_Channel 0



8DPSK(3-DH5)\_Channel 39



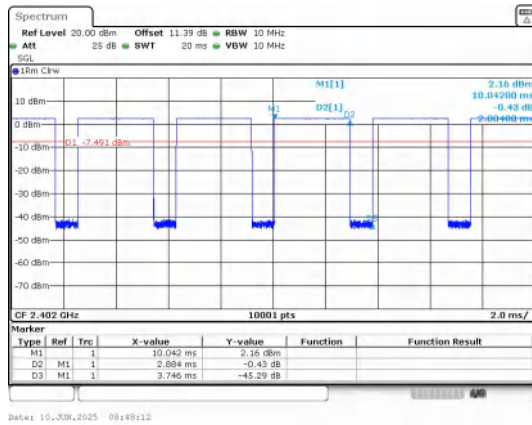
8DPSK(3-DH5)\_Channel 78

RIGHT:

### Test Result

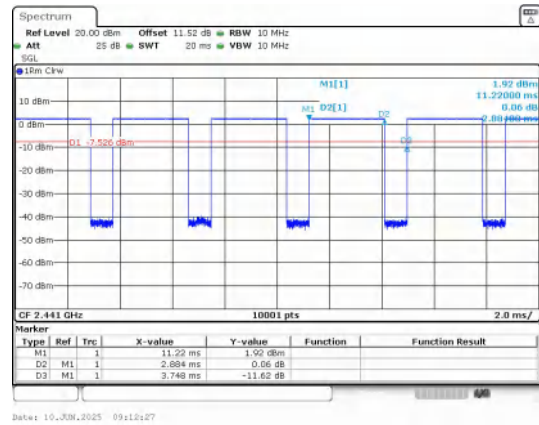
| Modulation    | Packets | Channel | On Time (ms) | Period (ms) | Duty Cycle (%) | Duty Cycle (linear) | Duty Cycle Factor (dB) | 1/T    |
|---------------|---------|---------|--------------|-------------|----------------|---------------------|------------------------|--------|
| GFSK          | DH5     | 0       | 2.884        | 3.746       | 76.99          | 0.7699              | 1.1357                 | 0.3467 |
|               |         | 39      | 2.884        | 3.748       | 76.95          | 0.7695              | 1.1379                 | 0.3467 |
|               |         | 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       | 2.360        | 3.746       | 63.00          | 0.6300              | 2.0066                 | 0.4237 |
|               |         | 39      | 2.362        | 3.748       | 63.02          | 0.6302              | 2.0052                 | 0.4234 |
|               |         | 78      | 2.360        | 3.746       | 63.00          | 0.6300              | 2.0066                 | 0.4237 |

### Test Graphs



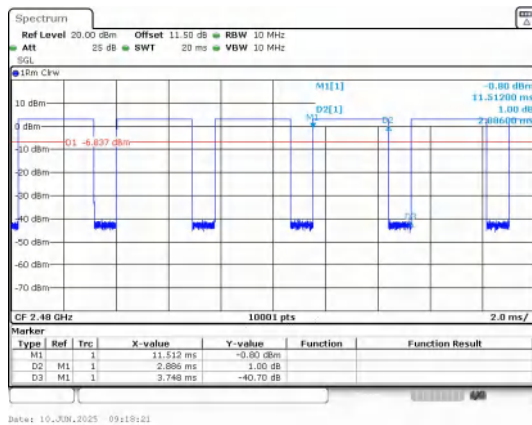
Date: 10 JUN 2025 09:49:12

GFSK(DH5)\_Channel 0



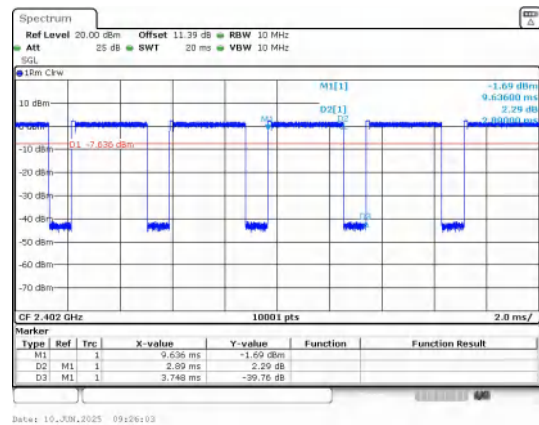
Date: 10 JUN 2025 09:18:27

GFSK(DH5)\_Channel 39



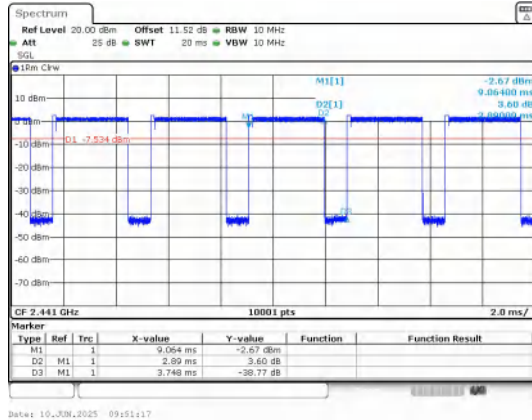
Date: 10 JUN 2025 09:18:21

GFSK(DH5)\_Channel 78

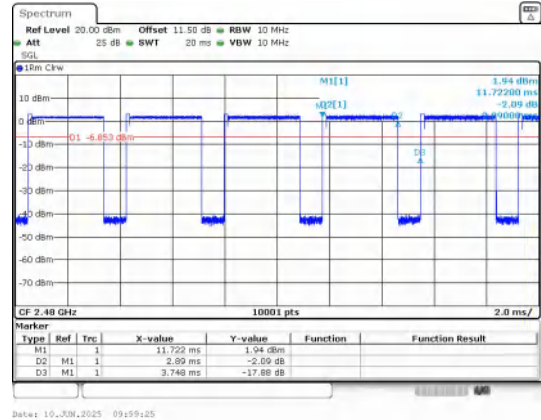


Date: 10 JUN 2025 09:18:03

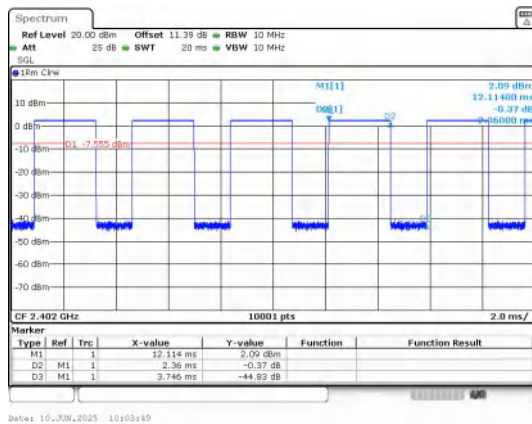
$\pi/4$ DQPSK(2-DH5)\_Channel 0



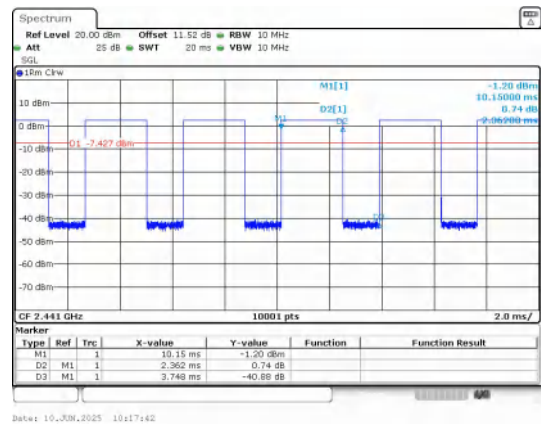
$\pi/4$ DQPSK(2-DH5)\_Channel 39



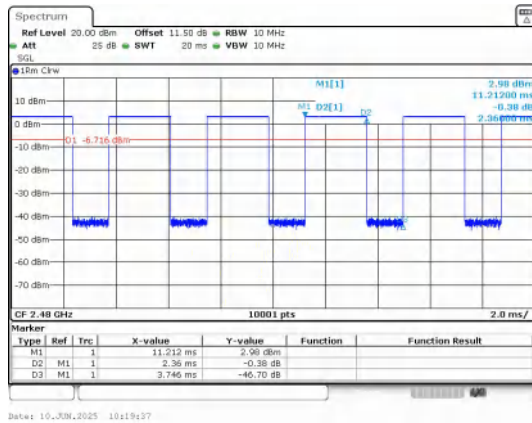
$\pi/4$ DQPSK(2-DH5)\_Channel 78



8DPSK(3-DH5)\_Channel 0



8DPSK(3-DH5)\_Channel 39



8DPSK(3-DH5)\_Channel 78

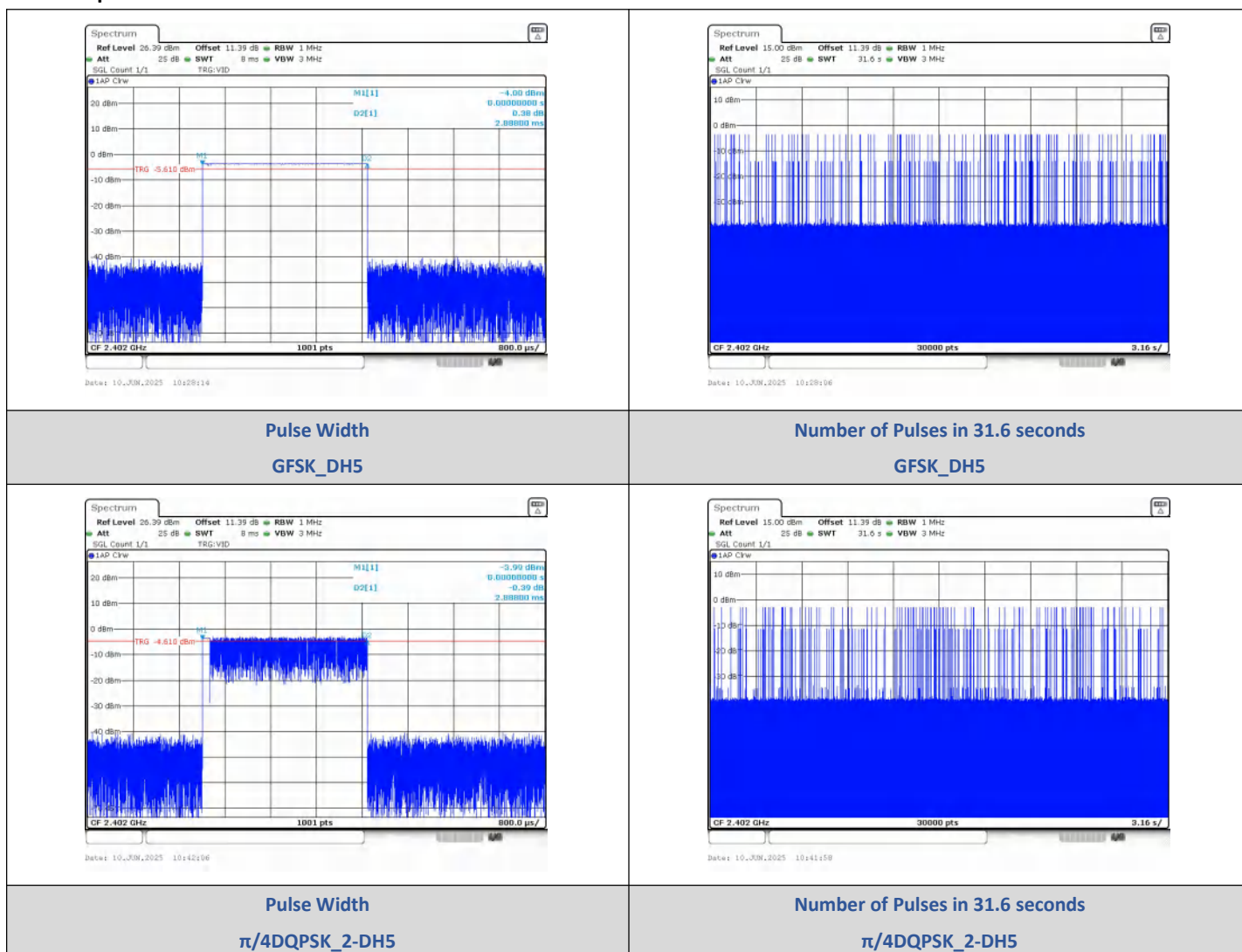
## 2) Dwell Time

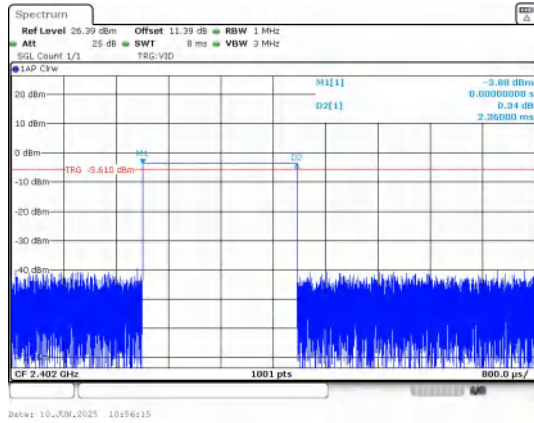
LEFT:

Test Result

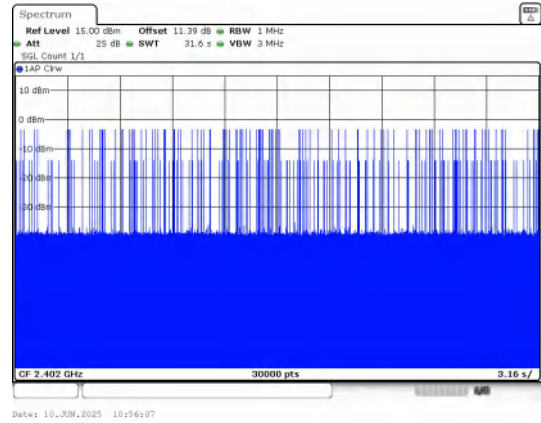
| Modulation    | Packet | Channel          | Pulse Width (ms) | Number of Pulses in 31.6 seconds | Dwell Time (ms) | Limit (ms) | Result |
|---------------|--------|------------------|------------------|----------------------------------|-----------------|------------|--------|
| GFSK          | DH5    | CH0<br>(2402MHz) | 2.888            | 100                              | 288.8           | < 400      | PASS   |
| $\pi/4$ DQPSK | 2-DH5  |                  | 2.888            | 102                              | 294.58          |            | PASS   |
| 8DPSK         | 3-DH5  |                  | 2.360            | 108                              | 254.88          |            | PASS   |

Test Graphs





Pulse Width  
8DPSK\_3-DH5



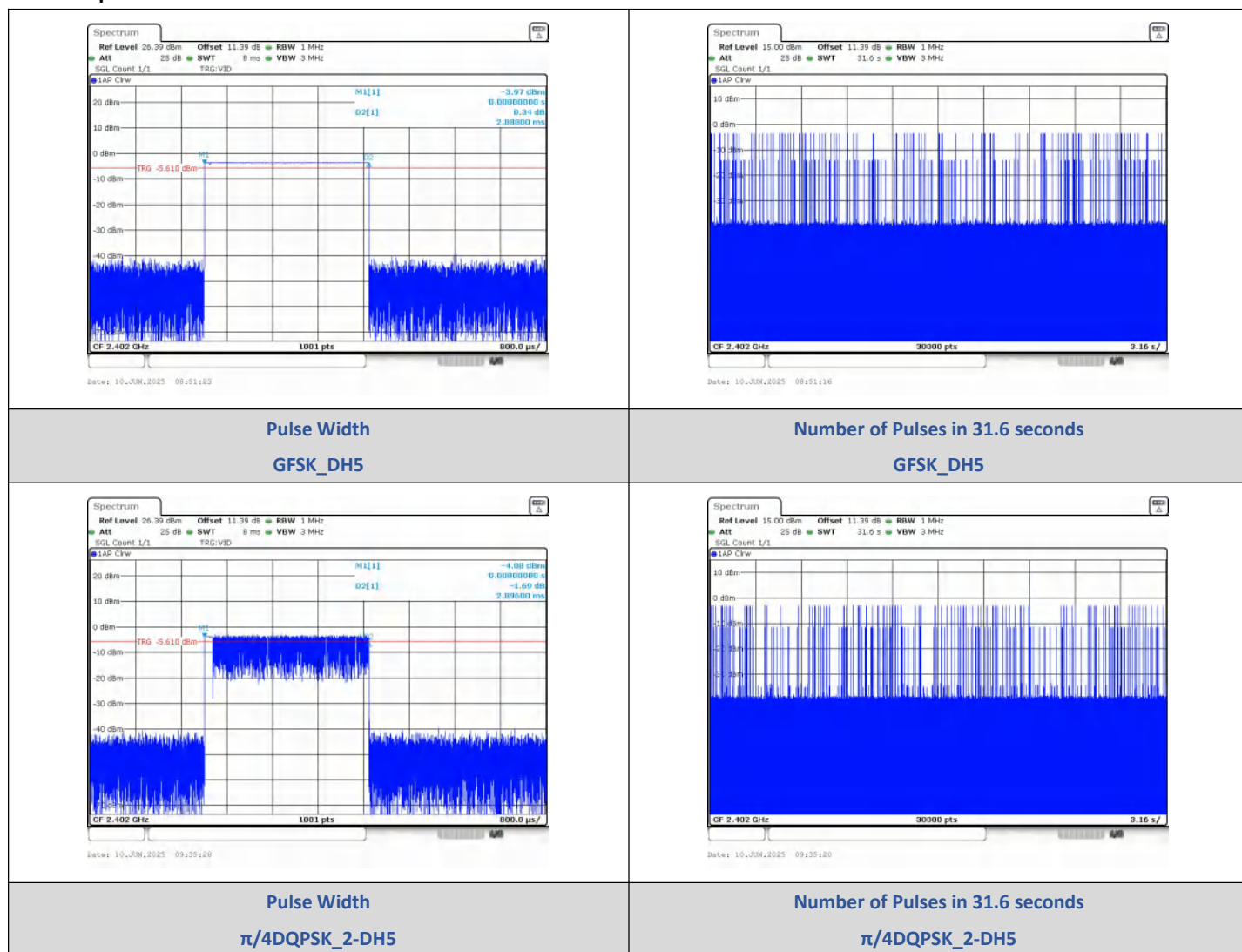
Number of Pulses in 31.6 seconds  
8DPSK\_3-DH5

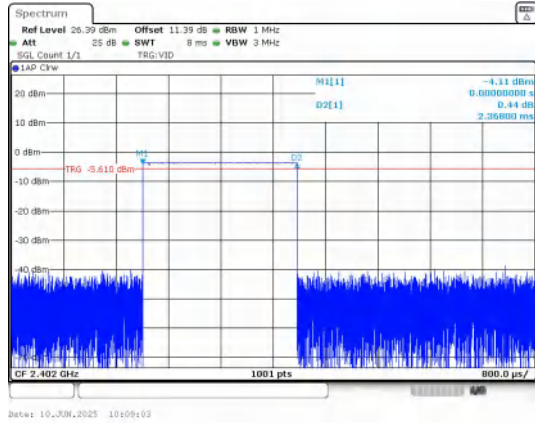
RIGHT:

### Test Result

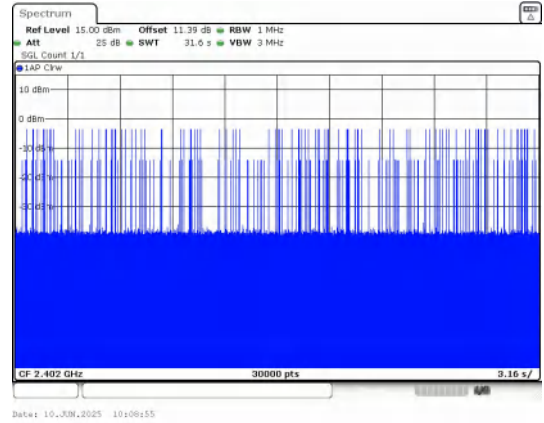
| Modulation    | Packet | Channel          | Pulse Width (ms) | Number of Pulses in 31.6 seconds | Dwell Time (ms) | Limit (ms) | Result |
|---------------|--------|------------------|------------------|----------------------------------|-----------------|------------|--------|
| GFSK          | DH5    | CH0<br>(2402MHz) | 2.888            | 104                              | 300.35          | < 400      | PASS   |
| $\pi/4$ DQPSK | 2-DH5  |                  | 2.896            | 112                              | 324.35          |            | PASS   |
| 8DPSK         | 3-DH5  |                  | 2.368            | 95                               | 224.96          |            | PASS   |

### Test Graphs





Pulse Width  
8DPSK\_3-DH5



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

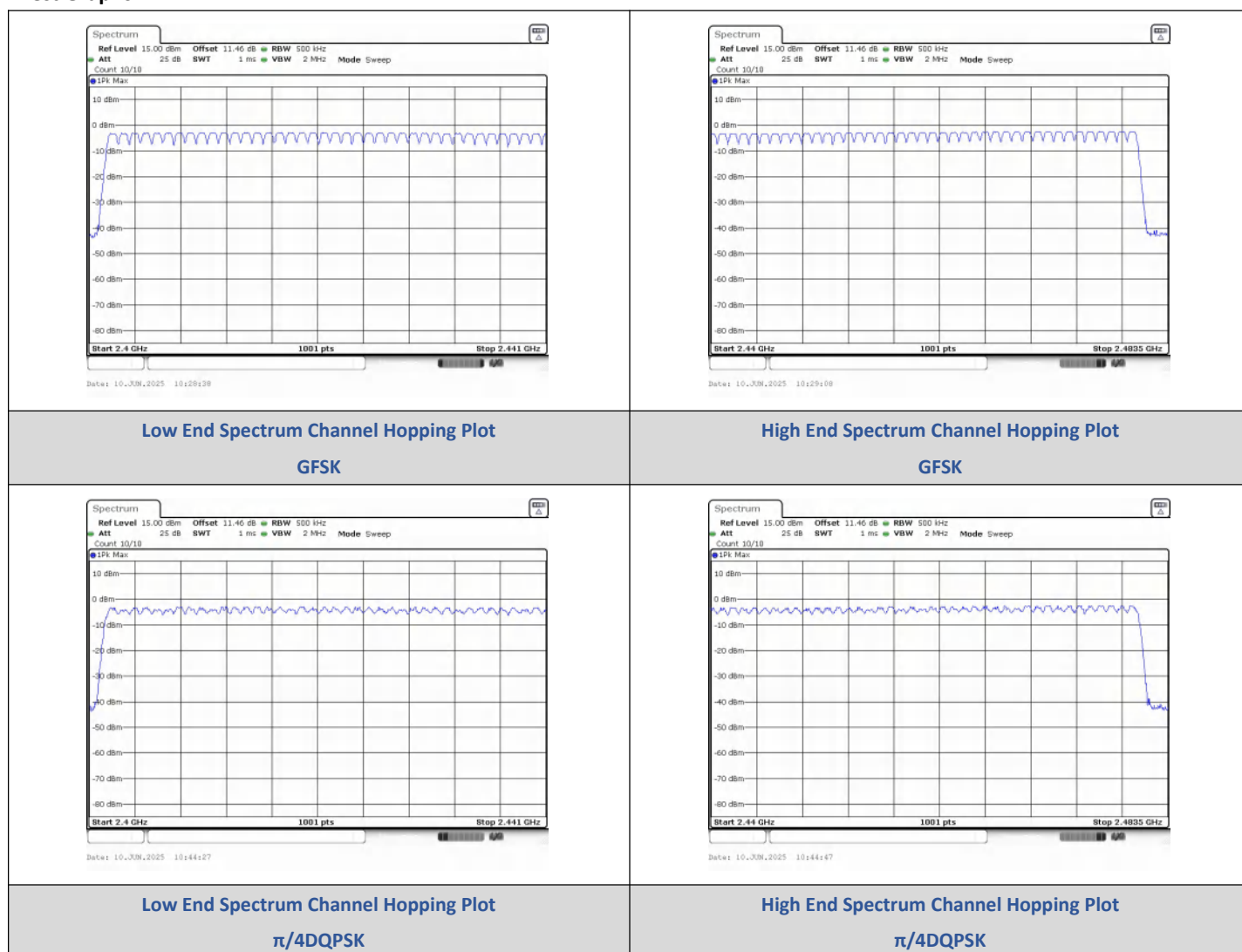
### 3) Number Of Hopping Channel

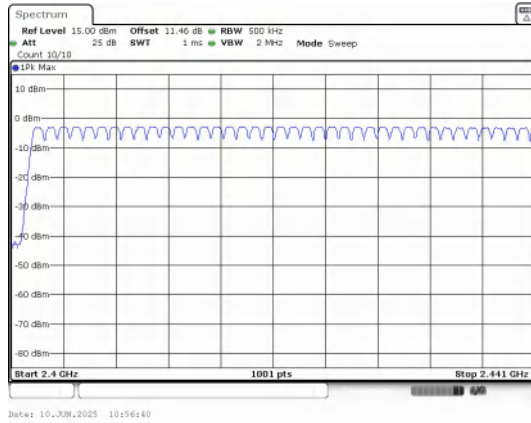
LEFT:

Test Result

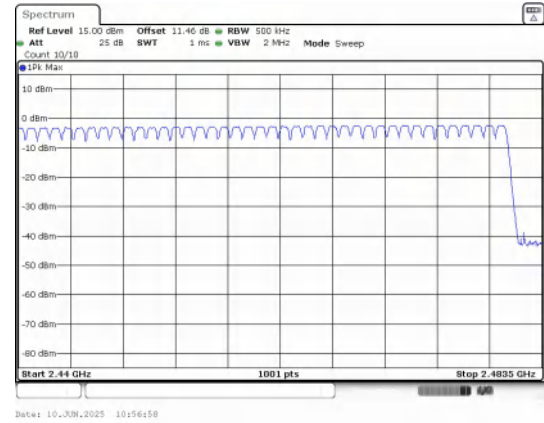
| Modulation    | Packet | Number of Hopping Channel | Limit | Result |
|---------------|--------|---------------------------|-------|--------|
| GFSK          | DH5    | 79                        | 15    | PASS   |
| $\pi/4$ DQPSK | 2-DH5  | 79                        | 15    | PASS   |
| 8DPSK     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

#### Test Graphs





Low End Spectrum Channel Hopping Plot  
8DPSK



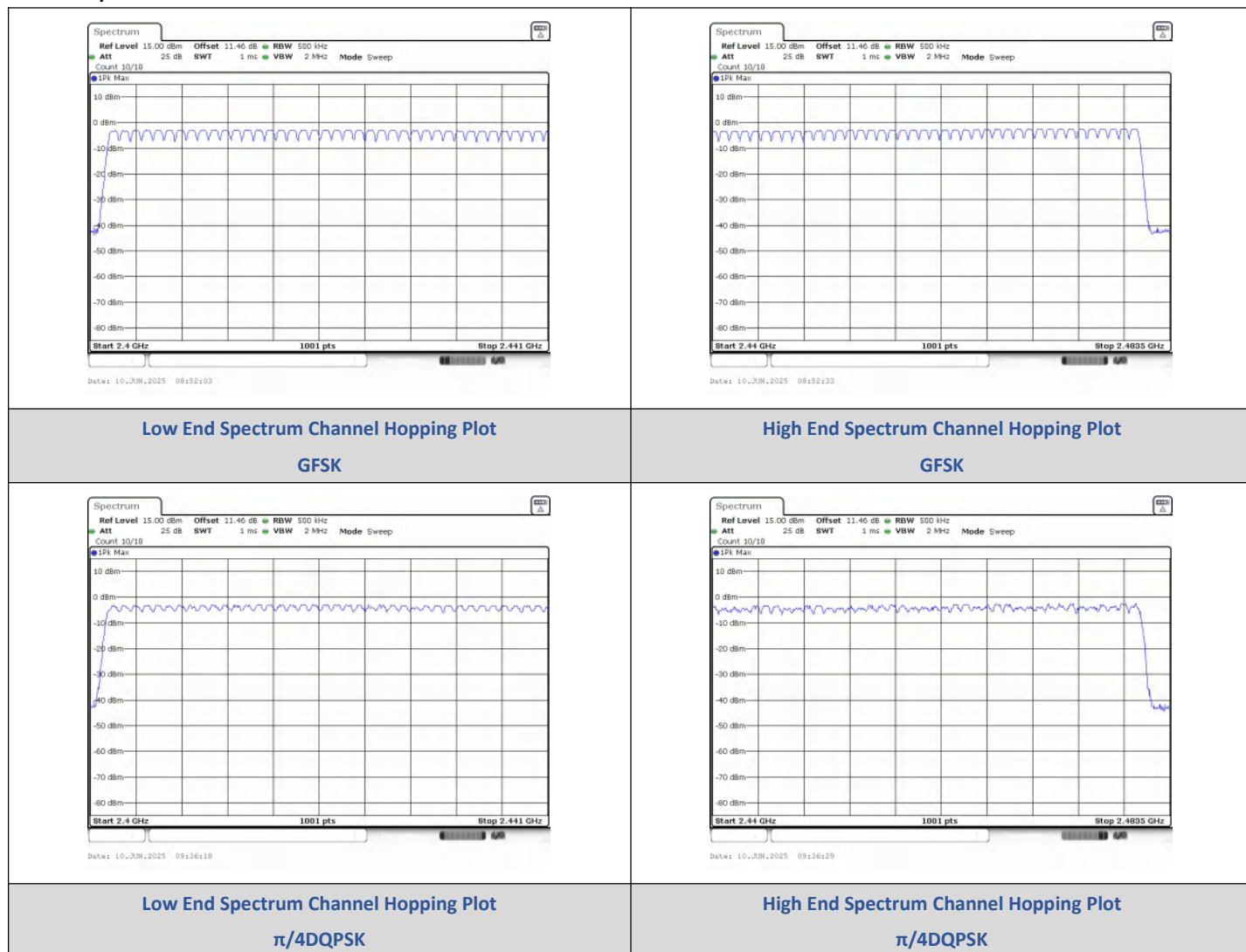
High End Spectrum Channel Hopping Plot  
8DPSK

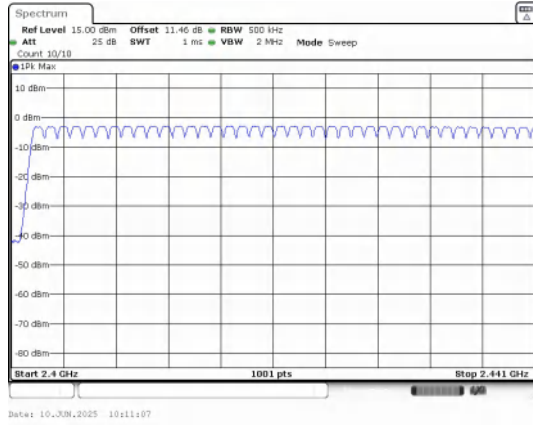
RIGHT:

### Test Result

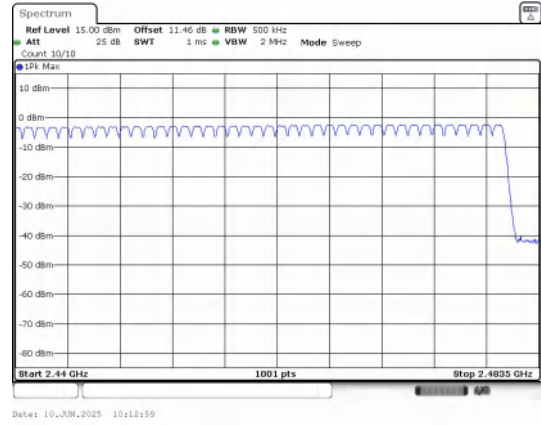
| Modulation    | Packet | Number of Hopping Channel | Limit | Result |
|---------------|--------|---------------------------|-------|--------|
| GFSK          | DH5    | 79                        | 15    | PASS   |
| $\pi/4$ DQPSK | 2-DH5  | 79                        | 15    | PASS   |
| 8DPSK     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

### Test Graphs





**Low End Spectrum Channel Hopping Plot**  
**8DPSK**



**High End Spectrum Channel Hopping Plot**  
**8DPSK**

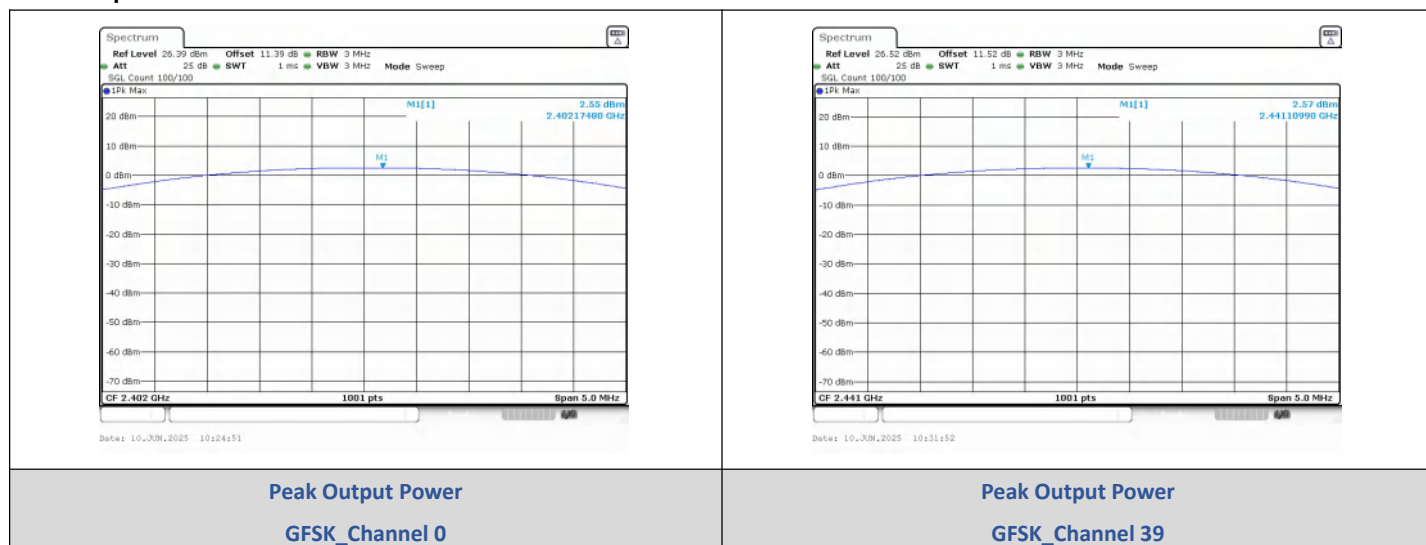
## 4) Conducted Output Power

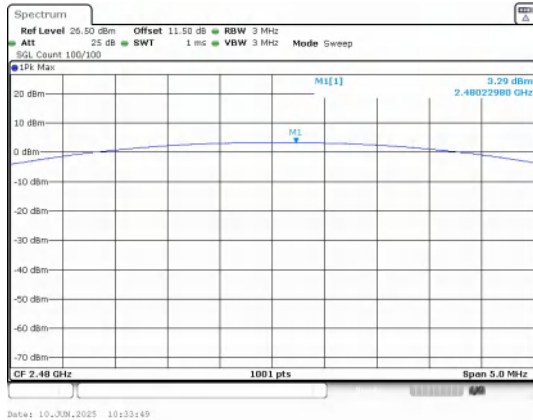
LEFT:

Test Result

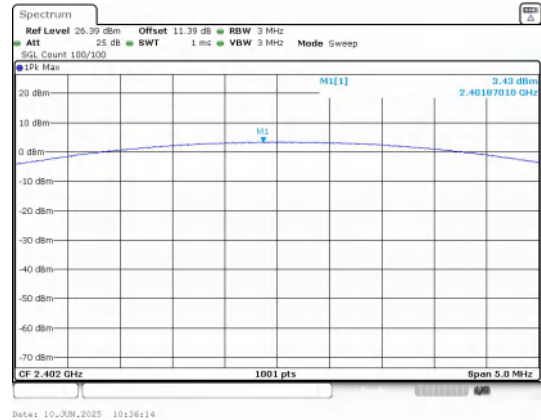
| Modulation    | Packet Type | Channel | Peak Output Power (dBm) | Peak Output Power (mW) | Limit (dBm) | Result |
|---------------|-------------|---------|-------------------------|------------------------|-------------|--------|
| GFSK          | DH5         | 0       | 2.55                    | 1.80                   | ≤30         | PASS   |
|               |             | 39      | 2.57                    | 1.81                   |             | PASS   |
|               |             | 78      | 3.29                    | 2.13                   |             | PASS   |
| $\pi/4$ DQPSK | 2-DH5       | 0       | 3.43                    | 2.20                   | ≤20.97      | PASS   |
|               |             | 39      | 3.47                    | 2.22                   |             | PASS   |
|               |             | 78      | 4.14                    | 2.59                   |             | PASS   |
| 8DPSK         | 3-DH5       | 0       | 2.60                    | 1.82                   |             | PASS   |
|               |             | 39      | 2.67                    | 1.85                   |             | PASS   |
|               |             | 78      | 3.39                    | 2.18                   |             | PASS   |

### Test Graphs

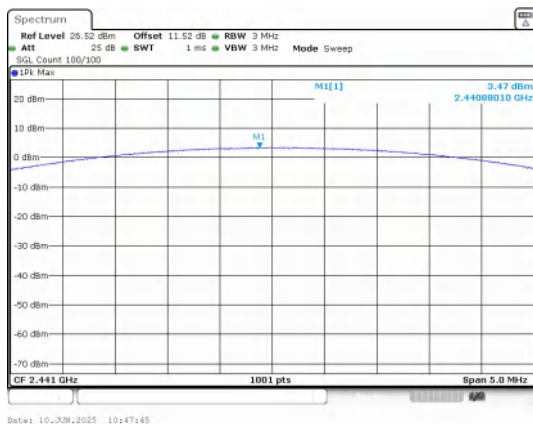




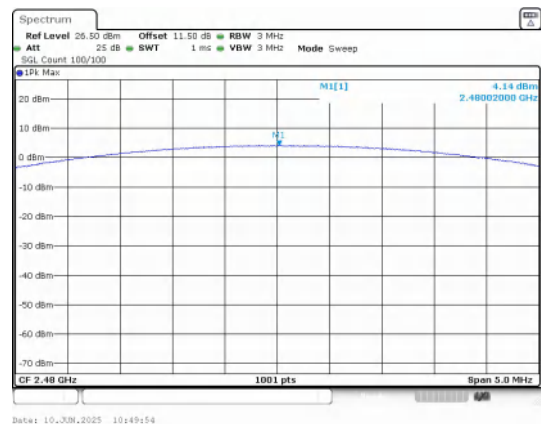
Peak Output Power  
GFSK\_Channel 78



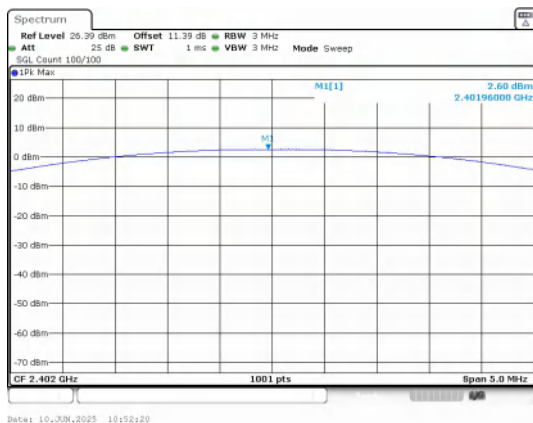
Peak Output Power  
 $\pi/4$ DQPSK\_Channel 0



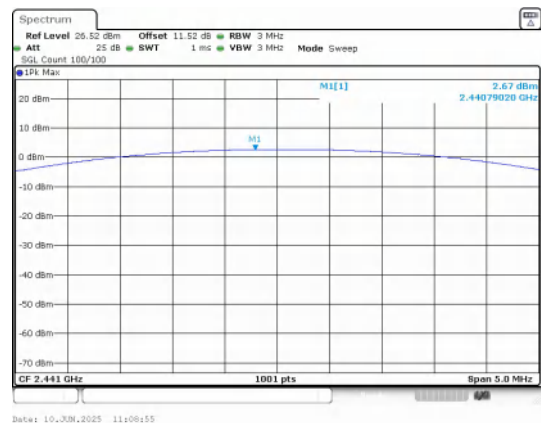
Peak Output Power  
 $\pi/4$ DQPSK\_Channel 39



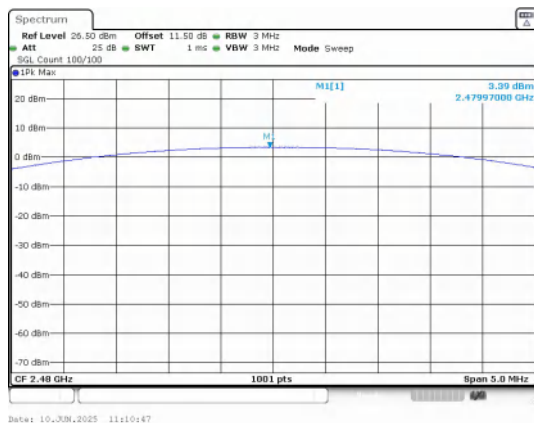
Peak Output Power  
 $\pi/4$ DQPSK\_Channel 78



Peak Output Power  
8DPSK\_Channel 0



Peak Output Power  
8DPSK\_Channel 39



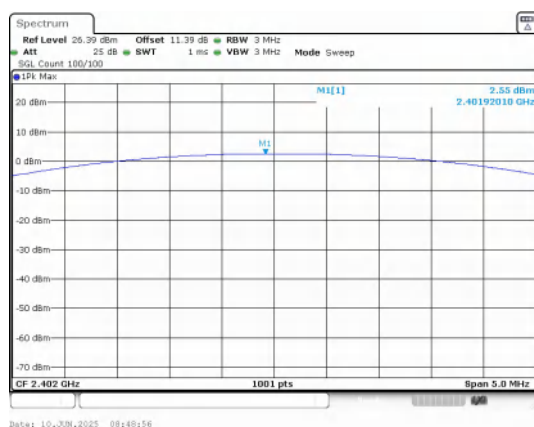
**Peak Output Power**  
**8DPSK\_Channel 78**

RIGHT:

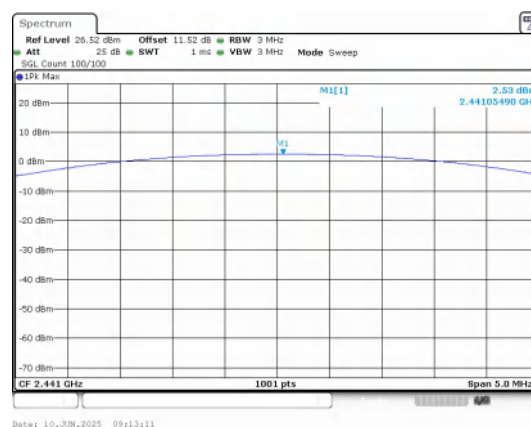
## Test Result

| Modulation    | Packet Type | Channel | Peak Output Power (dBm) | Peak Output Power (mW) | Limit (dBm) | Result |
|---------------|-------------|---------|-------------------------|------------------------|-------------|--------|
| GFSK          | DH5         | 0       | 2.55                    | 1.80                   | ≤30         | PASS   |
|               |             | 39      | 2.53                    | 1.79                   |             | PASS   |
|               |             | 78      | 3.20                    | 2.09                   |             | PASS   |
| $\pi/4$ DQPSK | 2-DH5       | 0       | 3.31                    | 2.14                   | ≤20.97      | PASS   |
|               |             | 39      | 3.38                    | 2.18                   |             | PASS   |
|               |             | 78      | 4.07                    | 2.55                   |             | PASS   |
| 8DPSK         | 3-DH5       | 0       | 2.51                    | 1.78                   |             | PASS   |
|               |             | 39      | 2.62                    | 1.83                   |             | PASS   |
|               |             | 78      | 3.33                    | 2.15                   |             | PASS   |

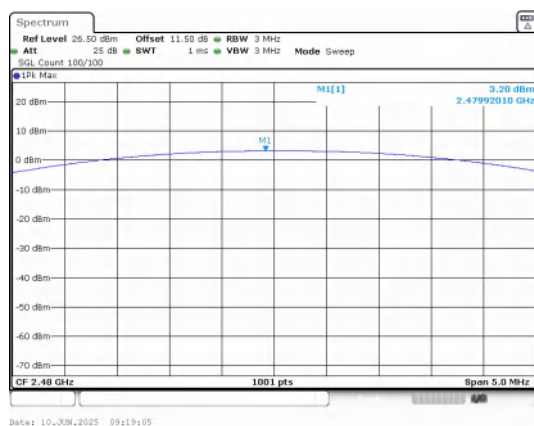
## Test Graphs



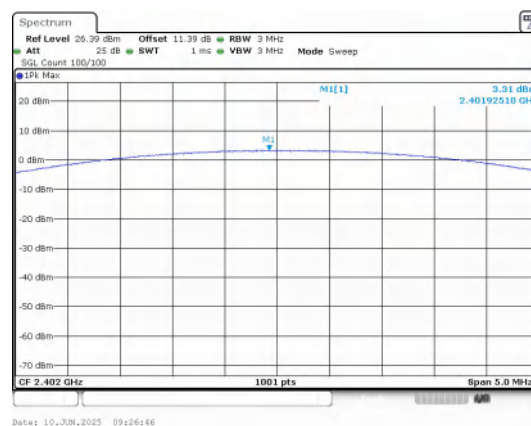
Peak Output Power  
GFSK\_Channel 0



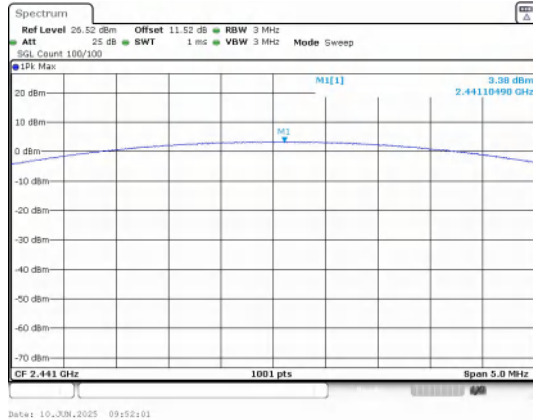
Peak Output Power  
GFSK\_Channel 39



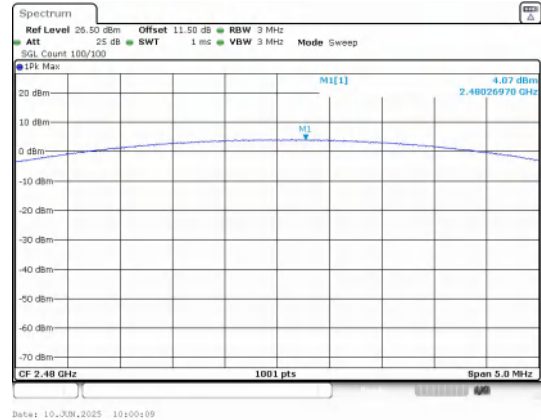
Peak Output Power  
GFSK\_Channel 78



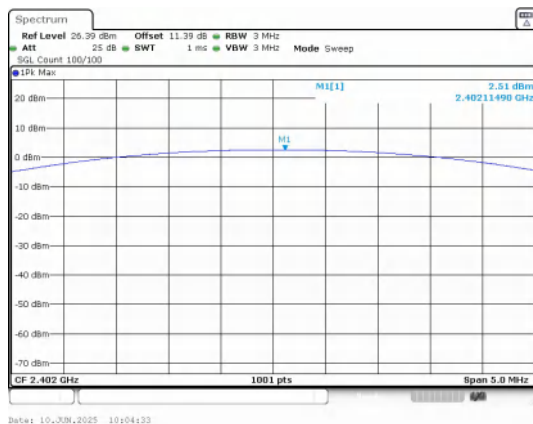
Peak Output Power  
 $\pi/4$ DQPSK\_Channel 0



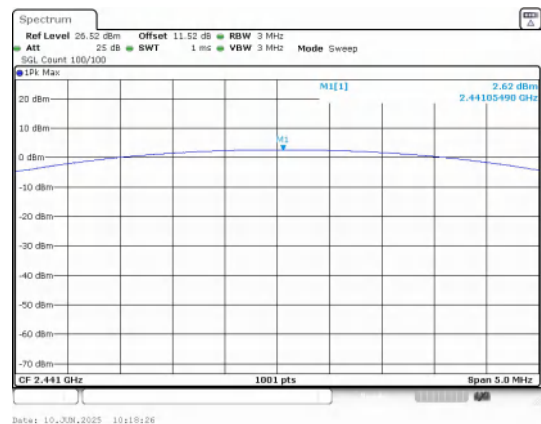
**Peak Output Power**  
 **$\pi/4$ DQPSK\_Channel 39**



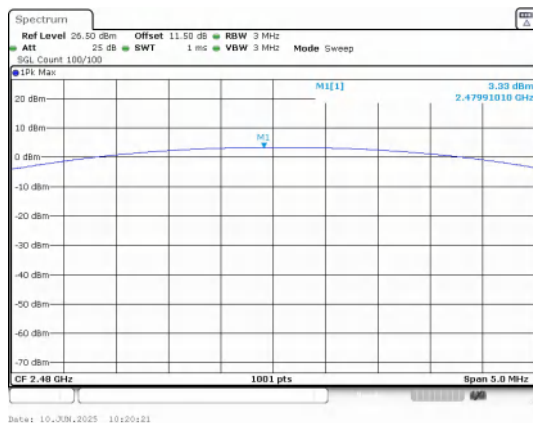
**Peak Output Power**  
 **$\pi/4$ DQPSK\_Channel 78**



**Peak Output Power**  
**8DPSK\_Channel 0**



**Peak Output Power**  
**8DPSK\_Channel 39**



**Peak Output Power**  
**8DPSK\_Channel 78**

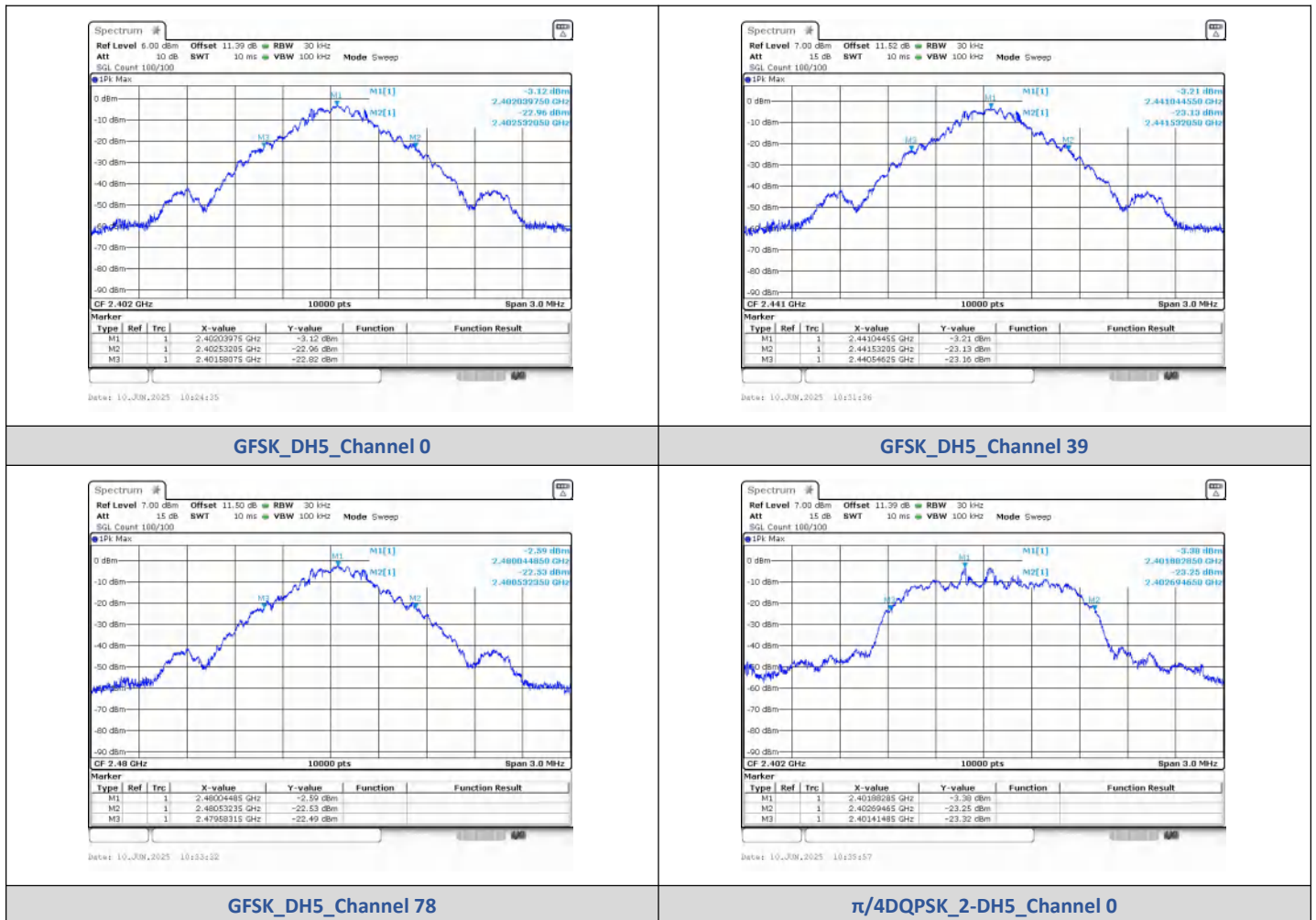
## 5) 20dB Bandwidth

LEFT:

Test Result

| Modulation    | Channel | Center Frequency (MHz) | 20 dB Bandwidth (MHz) |
|---------------|---------|------------------------|-----------------------|
| GFSK          | 0       | 2402 MHz               | 0.98                  |
|               | 39      | 2441 MHz               | 0.98                  |
|               | 78      | 2480 MHz               | 0.98                  |
| $\pi/4$ DQPSK | 0       | 2402 MHz               | 1.280                 |
|               | 39      | 2441 MHz               | 1.310                 |
|               | 78      | 2480 MHz               | 1.280                 |
| 8DPSK         | 0       | 2402 MHz               | 0.9900                |
|               | 39      | 2441 MHz               | 1.000                 |
|               | 78      | 2480 MHz               | 1.010                 |

### Test Graphs

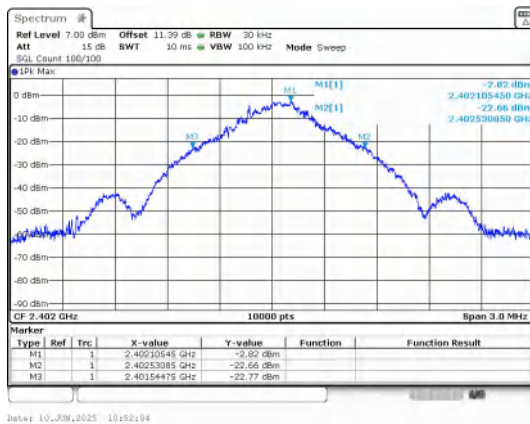




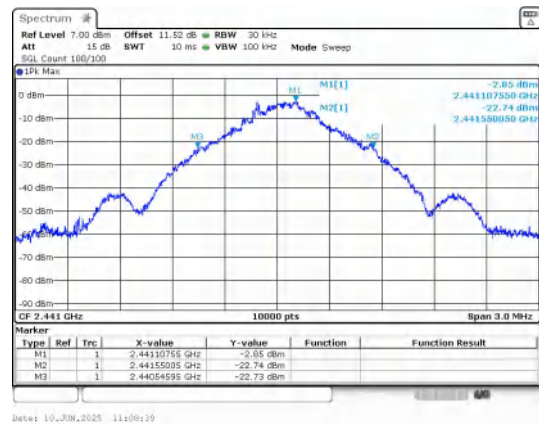
$\pi/4$ DQPSK\_2-DH5\_Channel 39



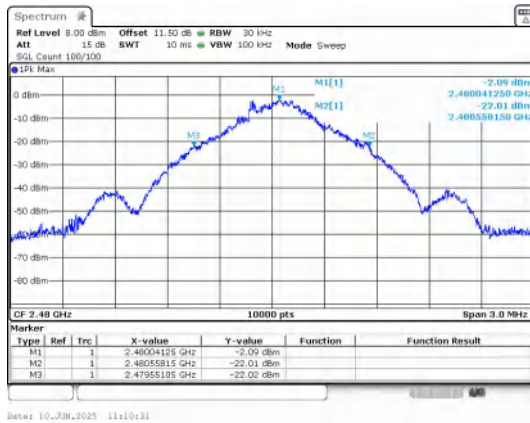
$\pi/4$ DQPSK\_2-DH5\_Channel 78



8DPSK\_3-DH5\_Channel 0



8DPSK\_3-DH5\_Channel 39



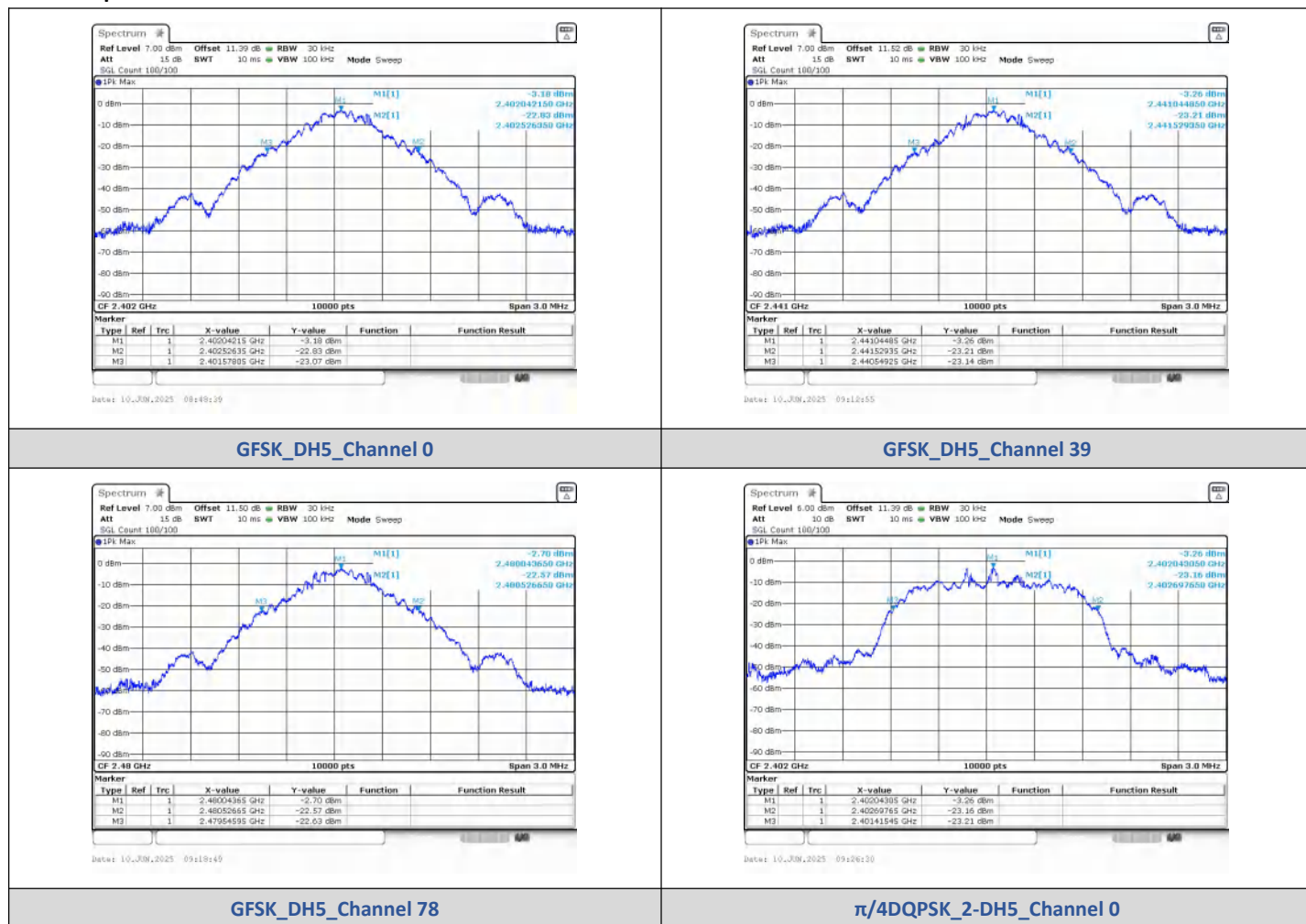
8DPSK\_3-DH5\_Channel 78

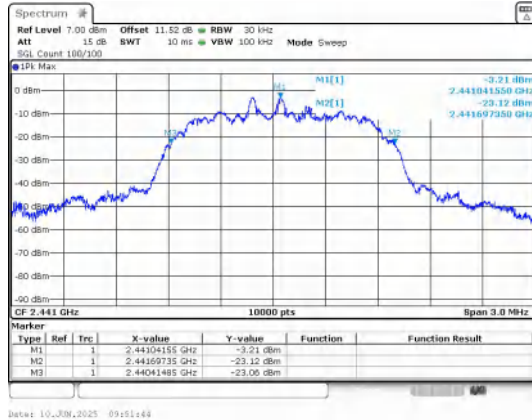
RIGHT:

## Test Result

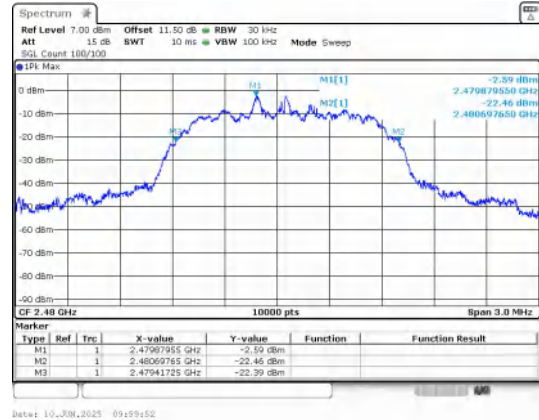
| Modulation    | Channel | Center Frequency (MHz) | 20 dB Bandwidth (MHz) |
|---------------|---------|------------------------|-----------------------|
| GFSK          | 0       | 2402 MHz               | 0.98                  |
|               | 39      | 2441 MHz               | 0.98                  |
|               | 78      | 2480 MHz               | 0.98                  |
| $\pi/4$ DQPSK | 0       | 2402 MHz               | 1.280                 |
|               | 39      | 2441 MHz               | 1.290                 |
|               | 78      | 2480 MHz               | 1.280                 |
| 8DPSK         | 0       | 2402 MHz               | 0.9900                |
|               | 39      | 2441 MHz               | 1.010                 |
|               | 78      | 2480 MHz               | 1.010                 |

## Test Graphs

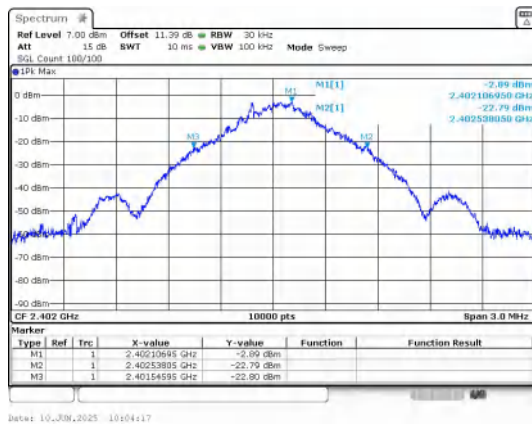




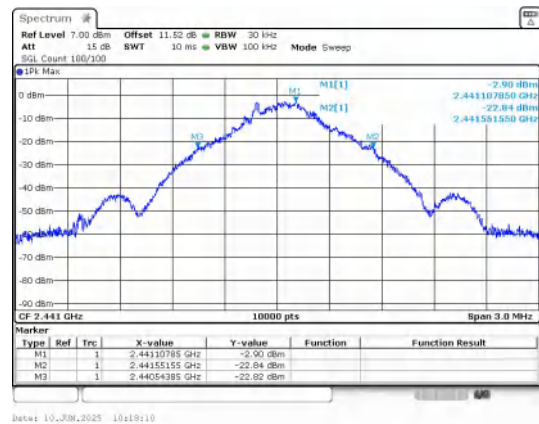
$\pi/4$ DQPSK\_2-DH5\_Channel 39



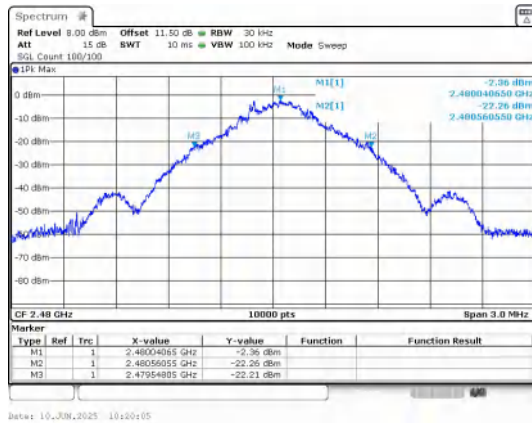
$\pi/4$ DQPSK\_2-DH5\_Channel 78



8DPSK\_3-DH5\_Channel 0



8DPSK\_3-DH5\_Channel 39



8DPSK\_3-DH5\_Channel 78

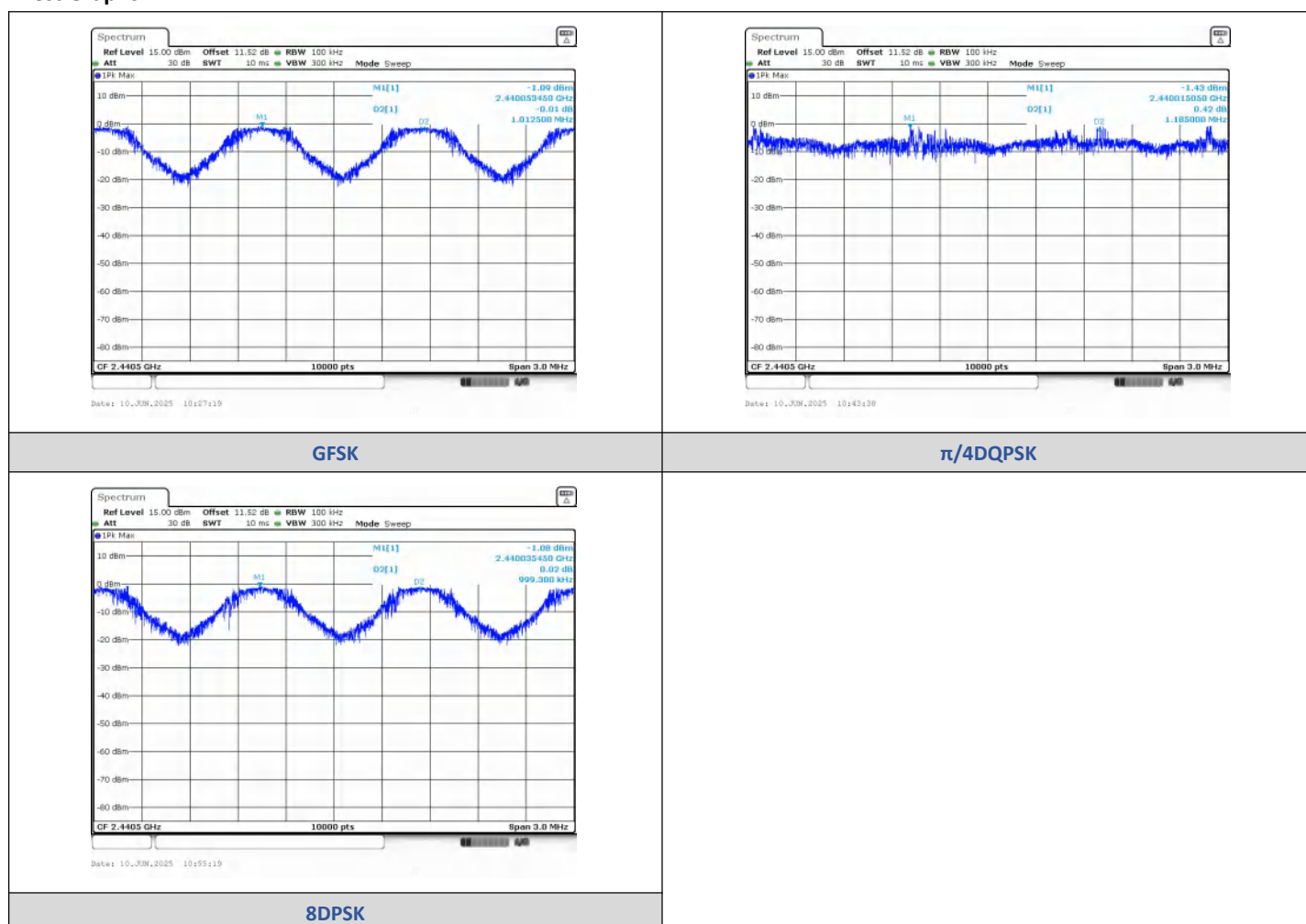
## 6) Carrier Frequencies Separation

LEFT:

Test Result

| Modulation    | Packet | Left Center frequency (MHz) | Right Center frequency (MHz) | Hopping Frequency Separation (MHz) | Limit (MHz) | Result |
|---------------|--------|-----------------------------|------------------------------|------------------------------------|-------------|--------|
| GFSK          | DH5    | 2440.0534                   | 2441.066                     | 1.0125                             | 0.98        | PASS   |
| $\pi/4$ DQPSK | 2-DH5  | 2440.015                    | 2441.2                       | 1.1850                             | 0.86        | PASS   |
| 8DPSK         | 3-DH5  | 2440.0354                   | 2441.0347                    | 0.9993                             | 0.673       | PASS   |

Test Graphs

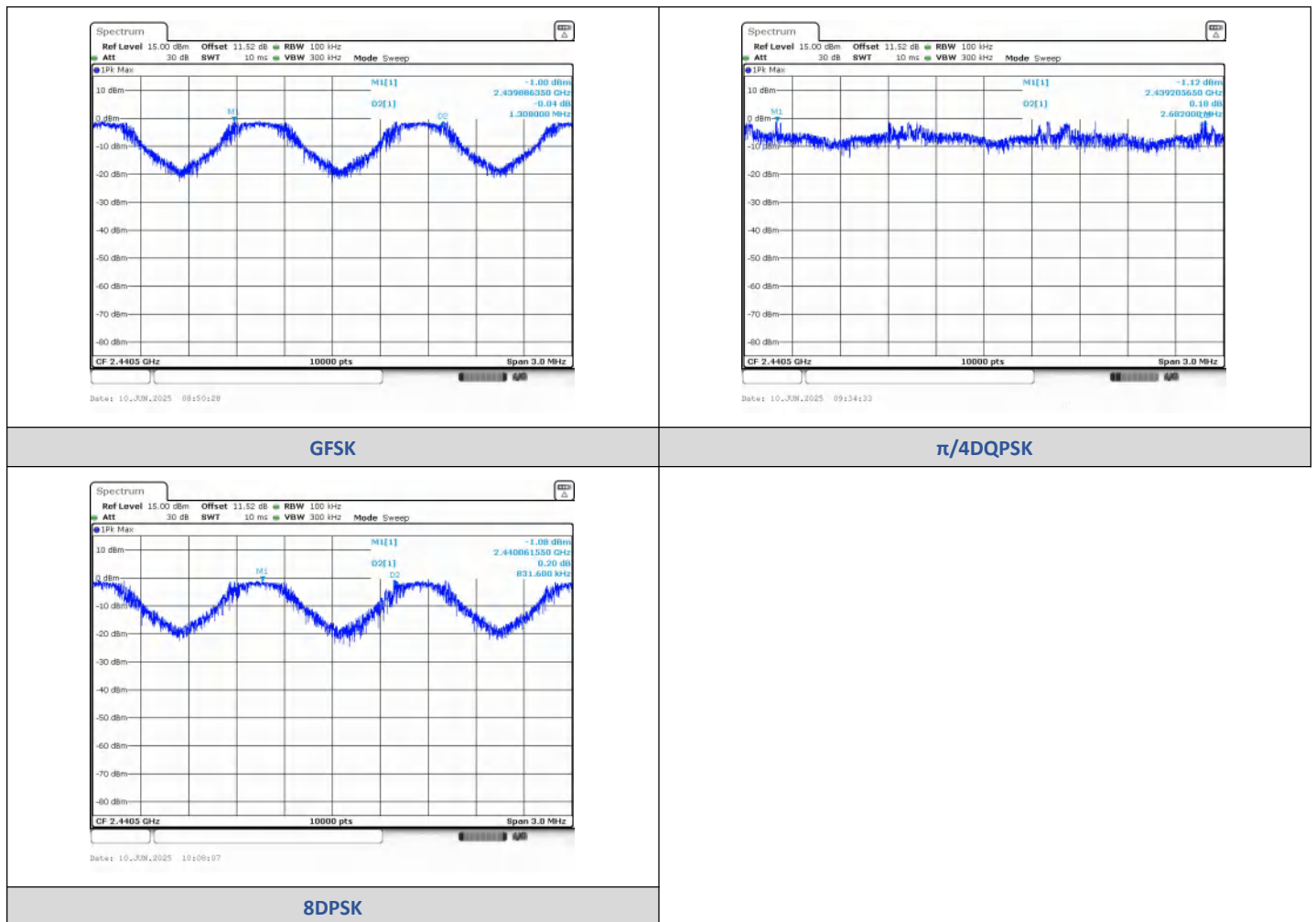


RIGHT:

### Test Result

| Modulation    | Packet | Left Center frequency (MHz) | Right Center frequency (MHz) | Hopping Frequency Separation (MHz) | Limit (MHz) | Result |
|---------------|--------|-----------------------------|------------------------------|------------------------------------|-------------|--------|
| GFSK          | DH5    | 2439.8864                   | 2441.1944                    | 1.3080                             | 0.98        | PASS   |
| $\pi/4$ DQPSK | 2-DH5  | 2439.2056                   | 2441.8877                    | 2.6820                             | 2.0         | PASS   |
| 8DPSK         | 3-DH5  | 2440.0615                   | 2440.8931                    | 0.8316                             | 0.673       | PASS   |

### Test Graphs



## 7) Conducted Out Of Band Emission

LEFT:

Test Result

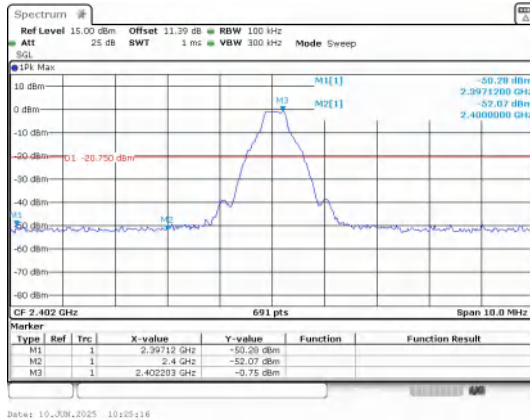
Non-Hopping

| Modulation    | Packet | Channel | OOB Emission Frequency (MHz) | OOB Emission Level (dBm) | Limit (dBm) | Over Limit (dB) | Result |
|---------------|--------|---------|------------------------------|--------------------------|-------------|-----------------|--------|
| GFSK          | DH5    | 0       | 2397.12                      | -50.276                  | -20.75      | -29.526         | PASS   |
|               |        |         | 2400.00                      | -52.070                  | -20.75      | -31.320         | PASS   |
|               |        |         | 2594.00                      | -48.426                  | -20.75      | -27.676         | PASS   |
|               |        | 39      | 2633.12                      | -49.784                  | -20.9       | -28.884         | PASS   |
|               |        | 78      | 2483.50                      | -52.070                  | -20.14      | -31.930         | PASS   |
|               |        |         | 2672.24                      | -50.339                  | -20.14      | -30.199         | PASS   |
| $\pi/4$ DQPSK | 2-DH5  | 0       | 2398.31                      | -50.623                  | -20.78      | -29.843         | PASS   |
|               |        |         | 2400.00                      | -51.640                  | -20.78      | -30.860         | PASS   |
|               |        |         | 2594.00                      | -50.334                  | -20.78      | -29.554         | PASS   |
|               |        | 39      | 2633.12                      | -53.257                  | -20.88      | -32.377         | PASS   |
|               |        | 78      | 2287.70                      | -54.165                  | -20.37      | -33.795         | PASS   |
|               |        |         | 2483.50                      | -51.440                  | -20.37      | -31.070         | PASS   |
| 8DPSK         | 3-DH5  | 0       | 2398.69                      | -50.937                  | -20.74      | -30.197         | PASS   |
|               |        |         | 2400.00                      | -52.040                  | -20.74      | -31.300         | PASS   |
|               |        |         | 2594.00                      | -47.983                  | -20.74      | -27.243         | PASS   |
|               |        | 39      | 2633.12                      | -48.258                  | -20.71      | -27.548         | PASS   |
|               |        | 78      | 2483.50                      | -50.850                  | -20.03      | -30.820         | PASS   |
|               |        |         | 2672.24                      | -50.063                  | -20.03      | -30.033         | PASS   |

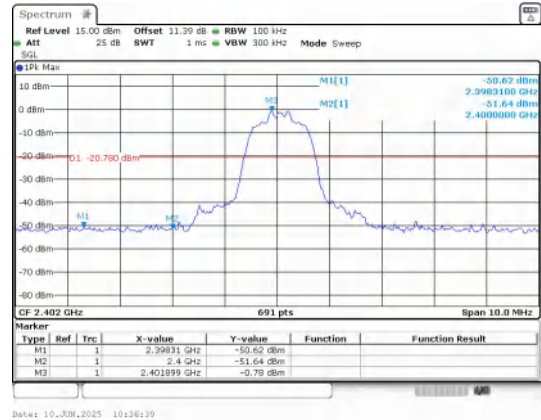
Hopping

| 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 | 2396.30                            | -48.518                        | -21.01         | -27.508            | PASS   |
|               |        |         | 2400.00                            | -49.440                        | -21.01         | -28.430            | PASS   |
|               |        |         | 2483.50                            | -51.370                        | -20.06         | -31.310            | PASS   |
| $\pi/4$ DQPSK | 2-DH5  |         | 2395.60                            | -48.827                        | -21.55         | -27.277            | PASS   |
|               |        |         | 2400.00                            | -52.390                        | -21.55         | -30.840            | PASS   |
|               |        |         | 2483.50                            | -50.600                        | -20.44         | -30.160            | PASS   |
| 8DPSK         | 3-DH5  |         | 2397.74                            | -49.916                        | -21.11         | -28.806            | PASS   |
|               |        |         | 2400.00                            | -52.790                        | -21.11         | -31.680            | PASS   |
|               |        |         | 2483.50                            | -50.040                        | -19.79         | -30.250            | PASS   |

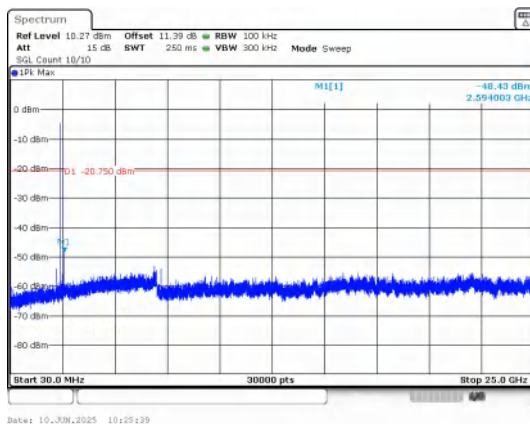
Test Graphs



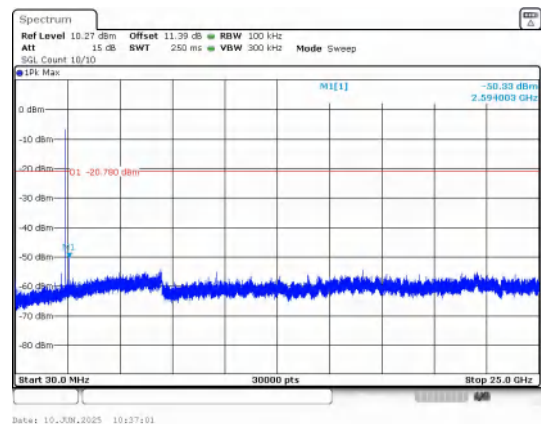
Out Of Band Emission  
GFSK\_DH5\_Channel 0



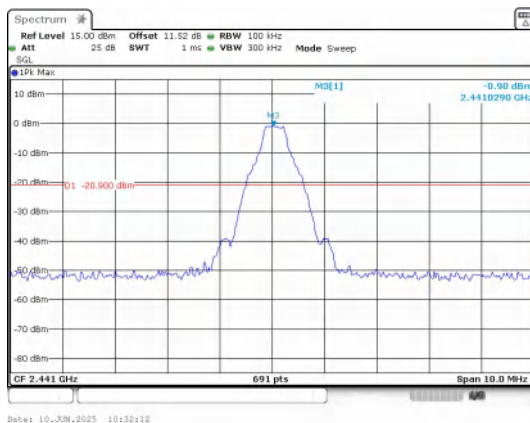
Out Of Band Emission  
 $\pi/4$ QPSK\_2-DH5\_Channel 0



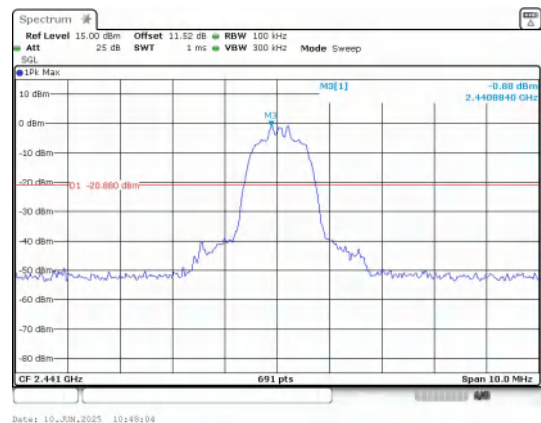
30.0 MHz - 25000.0 MHz  
GFSK\_DH5\_Channel 0



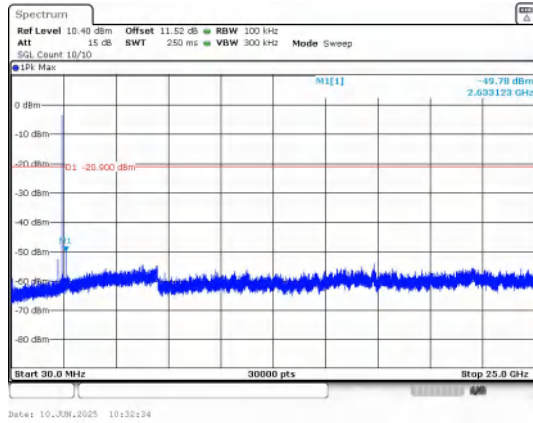
30.0 MHz - 25000.0 MHz  
 $\pi/4$ QPSK\_2-DH5\_Channel 0



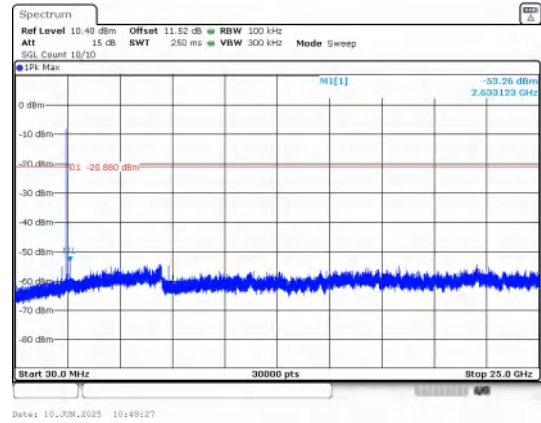
Out Of Band Emission  
GFSK\_DH5\_Channel 39



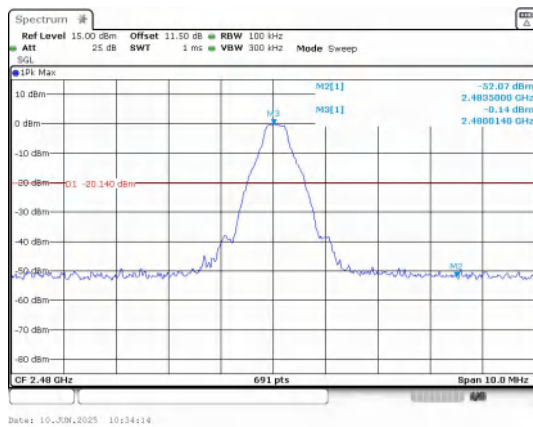
Out Of Band Emission  
 $\pi/4$ QPSK\_2-DH5\_Channel 39



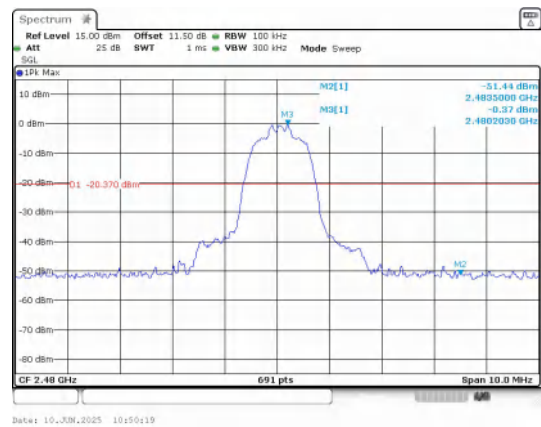
30.0 MHz - 25000.0 MHz  
GFSK\_DH5\_Channel 39



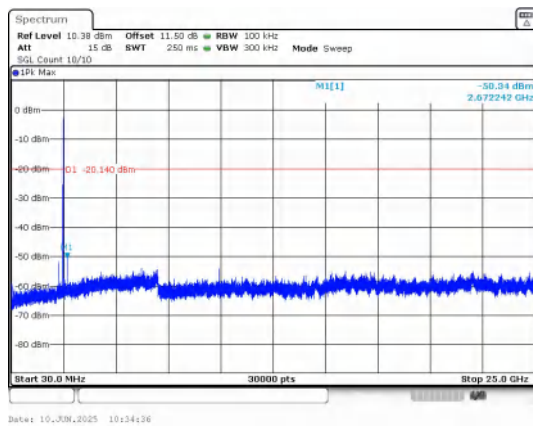
30.0 MHz - 25000.0 MHz  
 $\pi/4$ DQPSK\_2-DH5\_Channel 39



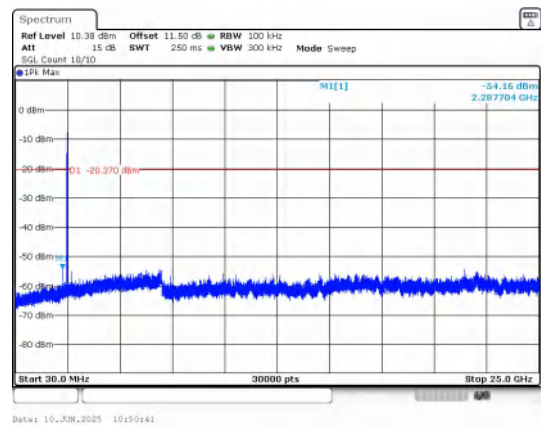
Out Of Band Emission  
GFSK\_DH5\_Channel 78



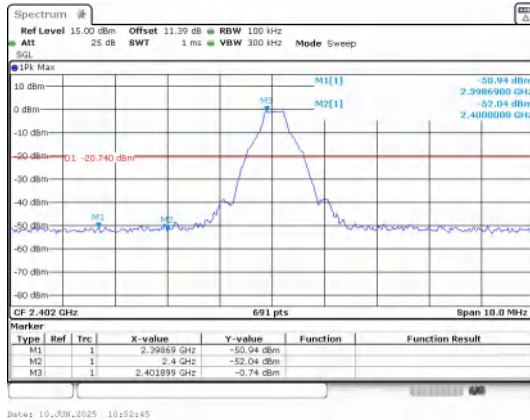
Out Of Band Emission  
 $\pi/4$ DQPSK\_2-DH5\_Channel 78



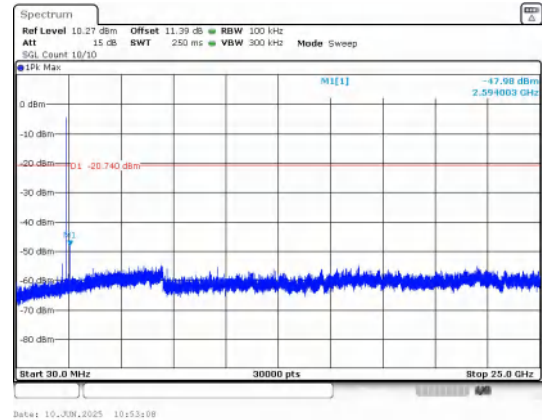
30.0 MHz - 25000.0 MHz  
GFSK\_DH5\_Channel 78



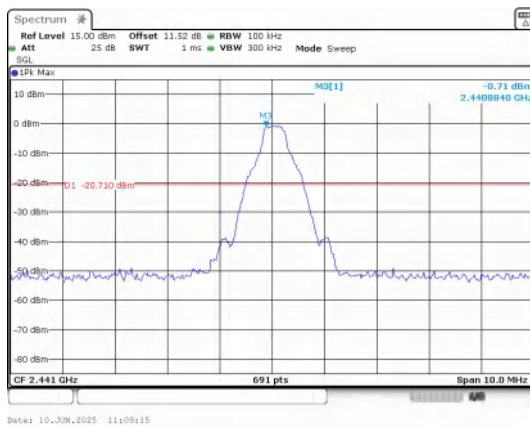
30.0 MHz - 25000.0 MHz  
 $\pi/4$ DQPSK\_2-DH5\_Channel 78



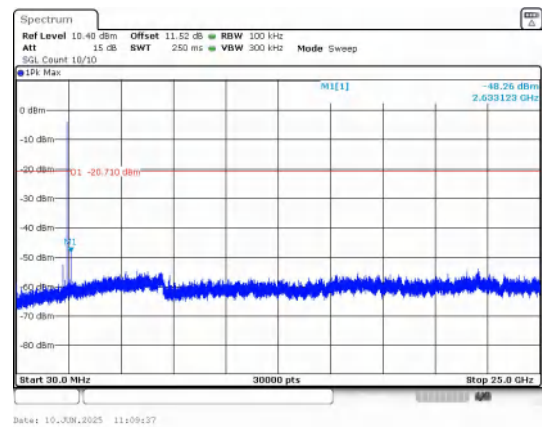
Out Of Band Emission  
8DPSK\_3-DH5\_Channel 0



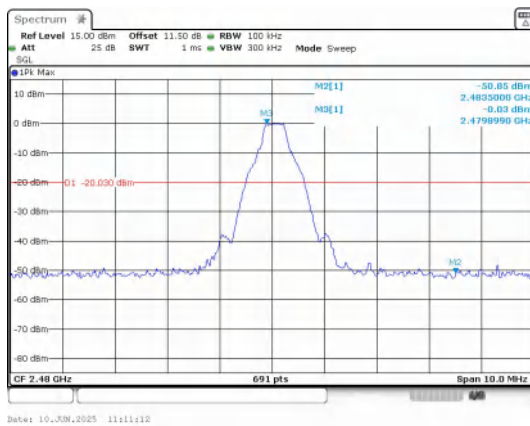
30.0 MHz - 25000.0 MHz  
8DPSK\_3-DH5\_Channel 0



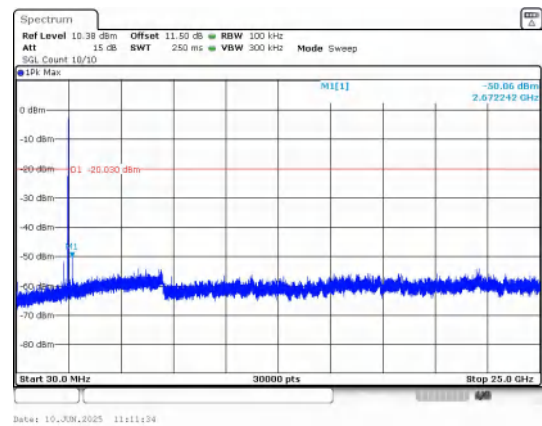
Out Of Band Emission  
8DPSK\_3-DH5\_Channel 39



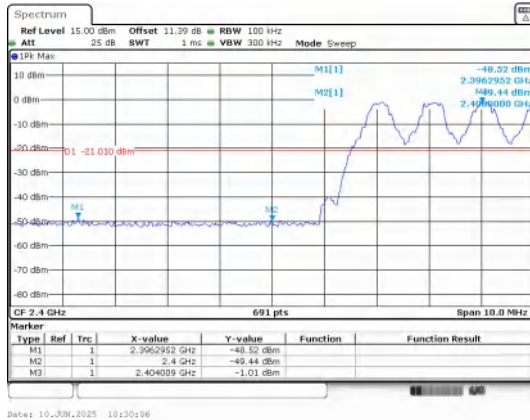
30.0 MHz - 25000.0 MHz  
8DPSK\_3-DH5\_Channel 39



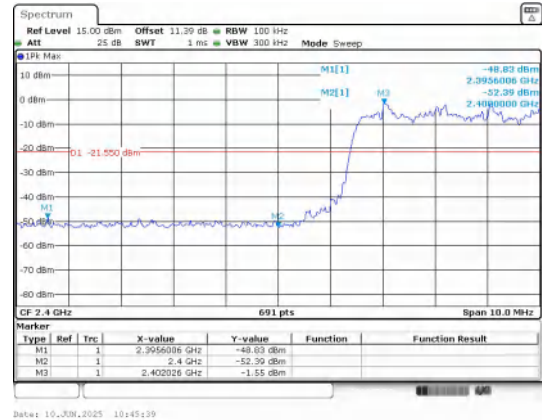
Out Of Band Emission  
8DPSK\_3-DH5\_Channel 78



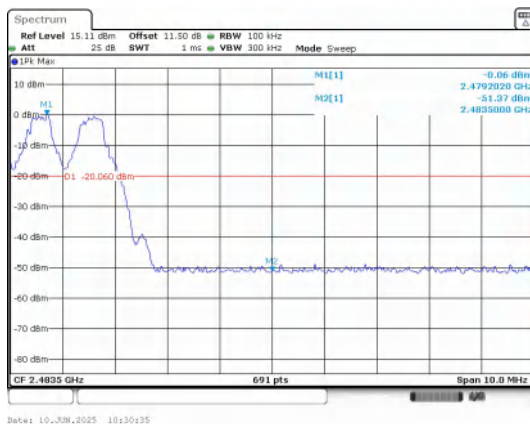
30.0 MHz - 25000.0 MHz  
8DPSK\_3-DH5\_Channel 78



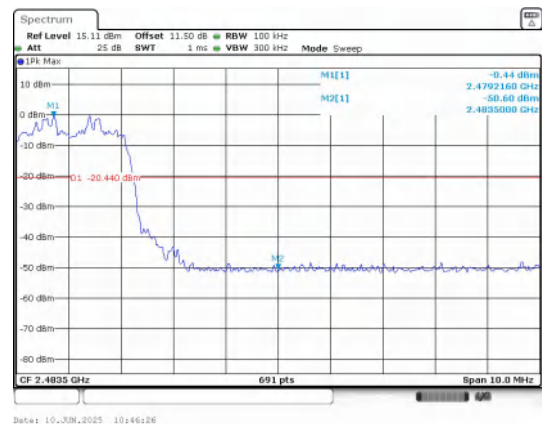
Out Of Band Emission(Left)  
GFSK\_DH5\_Channel Hopping



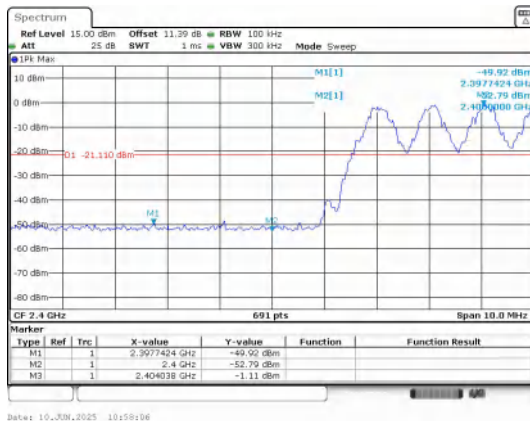
Out Of Band Emission(Left)  
 $\pi/4$ DQPSK\_2-DH5\_Channel Hopping



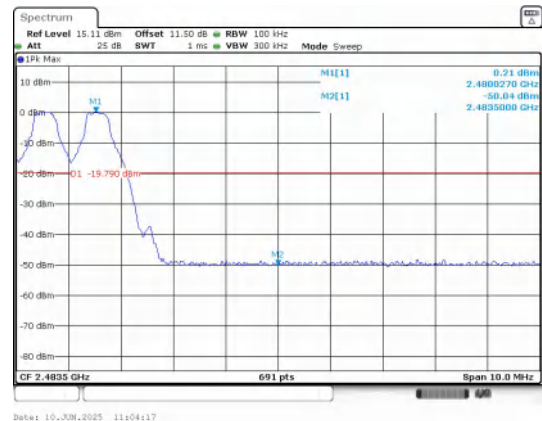
Out Of Band Emission(Right)  
GFSK\_DH5\_Channel Hopping



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:

Test Result

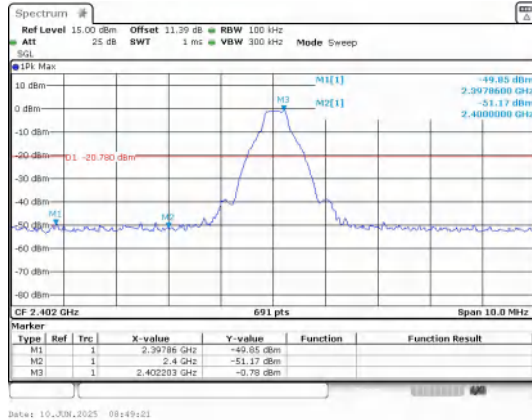
Non-Hopping

| Modulation    | Packet | Channel | OOB Emission Frequency (MHz) | OOB Emission Level (dBm) | Limit (dBm) | Over Limit (dB) | Result |
|---------------|--------|---------|------------------------------|--------------------------|-------------|-----------------|--------|
| GFSK          | DH5    | 0       | 2397.86                      | -49.853                  | -20.78      | -29.073         | PASS   |
|               |        |         | 2400.00                      | -51.170                  | -20.78      | -30.390         | PASS   |
|               |        |         | 2594.00                      | -48.227                  | -20.78      | -27.447         | PASS   |
|               |        | 39      | 2633.12                      | -49.757                  | -20.76      | -28.997         | PASS   |
|               |        | 78      | 2483.50                      | -52.160                  | -20.21      | -31.950         | PASS   |
|               |        |         | 2672.24                      | -50.061                  | -20.21      | -29.851         | PASS   |
| $\pi/4$ DQPSK | 2-DH5  | 0       | 2398.31                      | -50.696                  | -20.99      | -29.706         | PASS   |
|               |        |         | 2400.00                      | -50.980                  | -20.99      | -29.990         | PASS   |
|               |        |         | 2594.00                      | -50.296                  | -20.99      | -29.306         | PASS   |
|               |        | 39      | 2633.12                      | -49.992                  | -20.88      | -29.112         | PASS   |
|               |        | 78      | 2287.70                      | -52.004                  | -20.15      | -31.854         | PASS   |
|               |        |         | 2483.50                      | -51.680                  | -20.15      | -31.530         | PASS   |
| 8DPSK         | 3-DH5  | 0       | 2398.80                      | -49.308                  | -20.86      | -28.448         | PASS   |
|               |        |         | 2400.00                      | -51.620                  | -20.86      | -30.760         | PASS   |
|               |        |         | 2594.00                      | -48.369                  | -20.86      | -27.509         | PASS   |
|               |        | 39      | 2633.12                      | -49.833                  | -20.76      | -29.073         | PASS   |
|               |        | 78      | 2483.50                      | -52.410                  | -20.03      | -32.380         | PASS   |
|               |        |         | 2672.24                      | -49.807                  | -20.03      | -29.777         | PASS   |

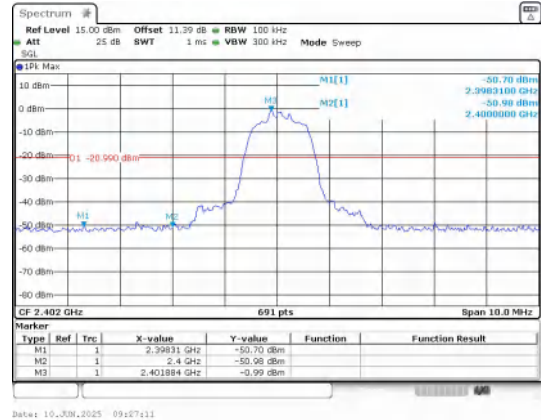
Hopping

| 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 | 2395.27                            | -49.282                        | -20.75         | -28.532            | PASS   |
|               |        |         | 2400.00                            | -51.040                        | -20.75         | -30.290            | PASS   |
|               |        |         | 2483.50                            | -49.410                        | -20.17         | -29.240            | PASS   |
| $\pi/4$ DQPSK | 2-DH5  |         | 2396.66                            | -49.857                        | -20.95         | -28.907            | PASS   |
|               |        |         | 2400.00                            | -51.730                        | -20.95         | -30.780            | PASS   |
|               |        |         | 2483.50                            | -49.430                        | -20.11         | -29.320            | PASS   |
| 8DPSK         | 3-DH5  |         | 2396.35                            | -49.614                        | -20.85         | -28.764            | PASS   |
|               |        |         | 2400.00                            | -51.500                        | -20.85         | -30.650            | PASS   |
|               |        |         | 2483.50                            | -51.500                        | -19.93         | -31.570            | PASS   |

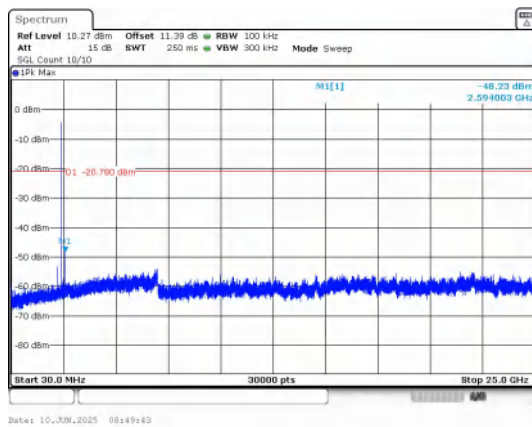
Test Graphs



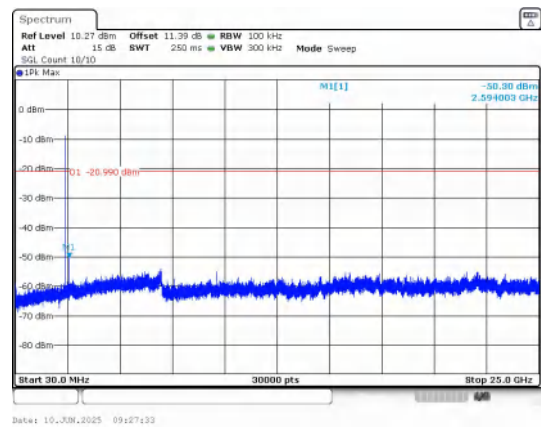
Out Of Band Emission  
GFSK\_DH5\_Channel 0



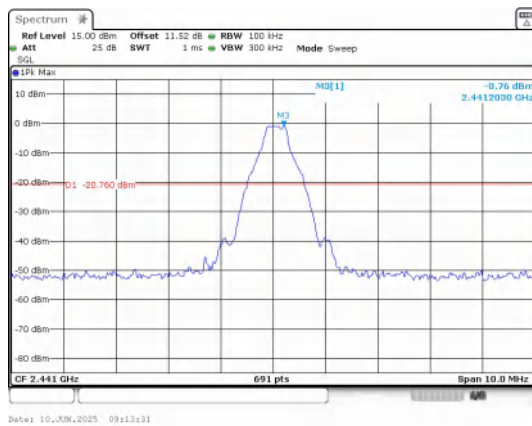
Out Of Band Emission  
 $\pi/4$ QPSK\_2-DH5\_Channel 0



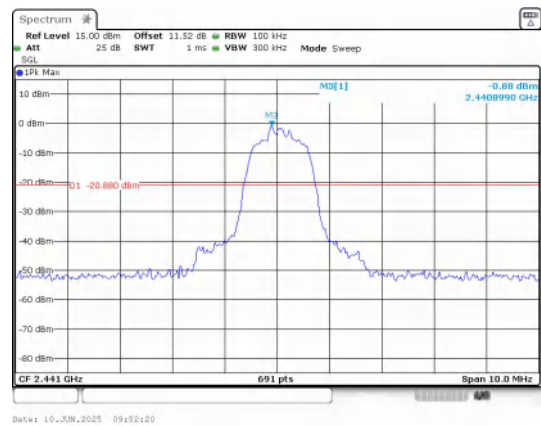
30.0 MHz - 25000.0 MHz  
GFSK\_DH5\_Channel 0



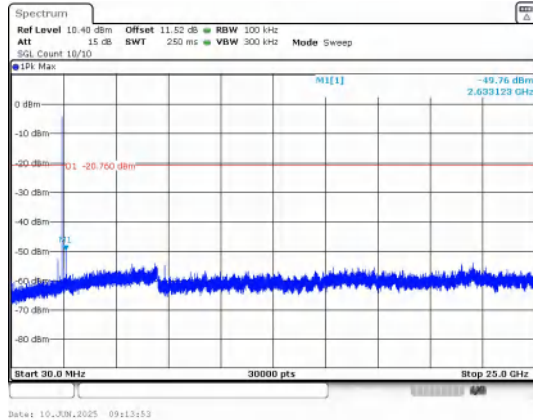
30.0 MHz - 25000.0 MHz  
 $\pi/4$ QPSK\_2-DH5\_Channel 0



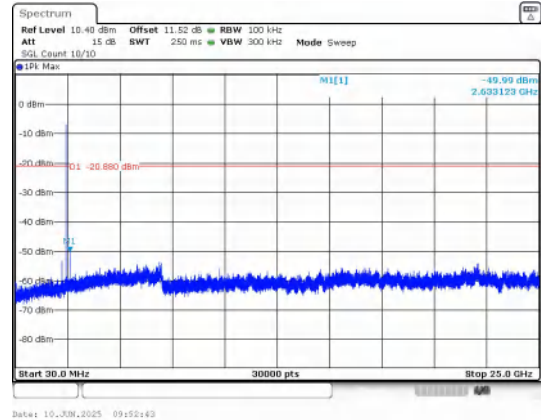
Out Of Band Emission  
GFSK\_DH5\_Channel 39



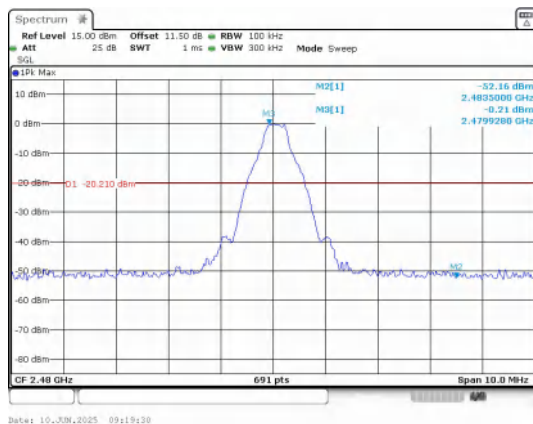
Out Of Band Emission  
 $\pi/4$ QPSK\_2-DH5\_Channel 39



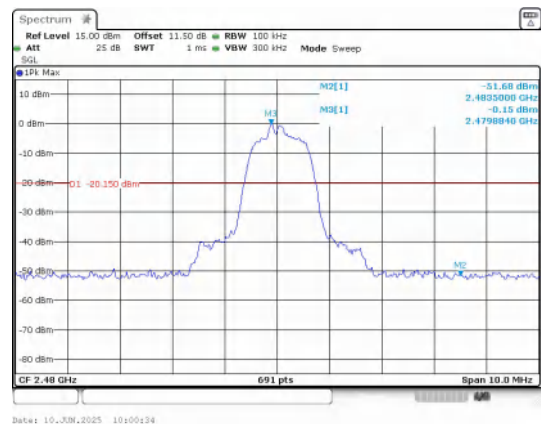
30.0 MHz - 25000.0 MHz  
GFSK\_DH5\_Channel 39



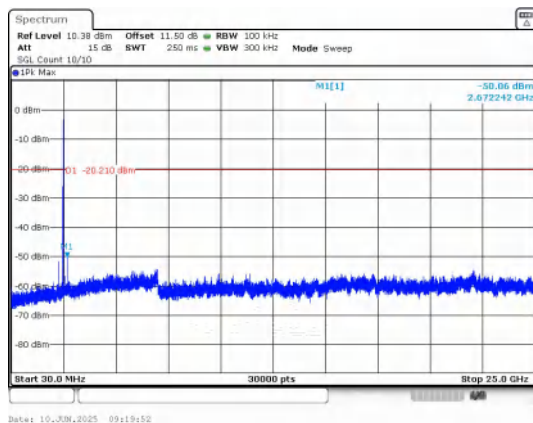
30.0 MHz - 25000.0 MHz  
 $\pi/4$ DQPSK\_2-DH5\_Channel 39



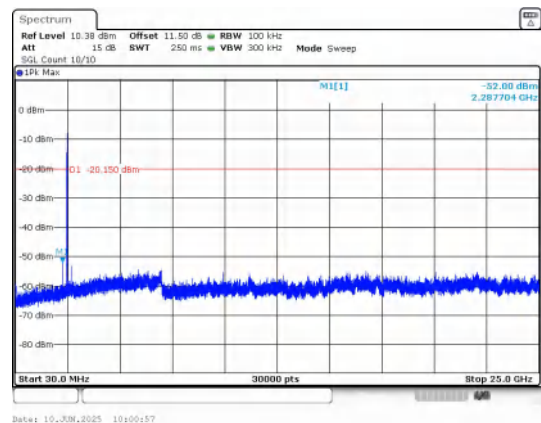
Out Of Band Emission  
GFSK\_DH5\_Channel 78



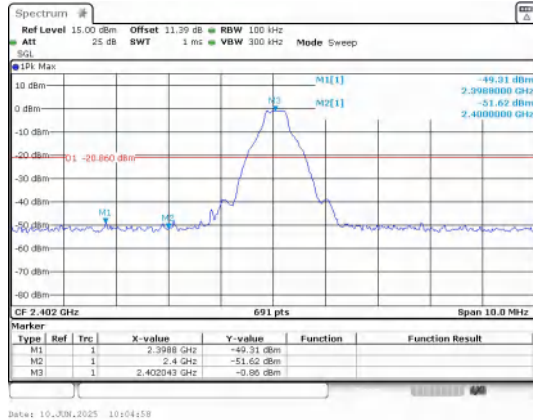
Out Of Band Emission  
 $\pi/4$ DQPSK\_2-DH5\_Channel 78



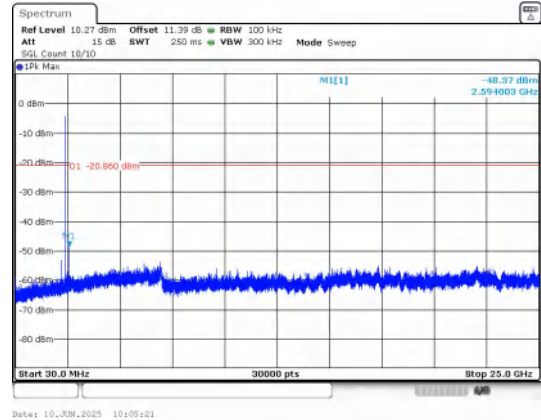
30.0 MHz - 25000.0 MHz  
GFSK\_DH5\_Channel 78



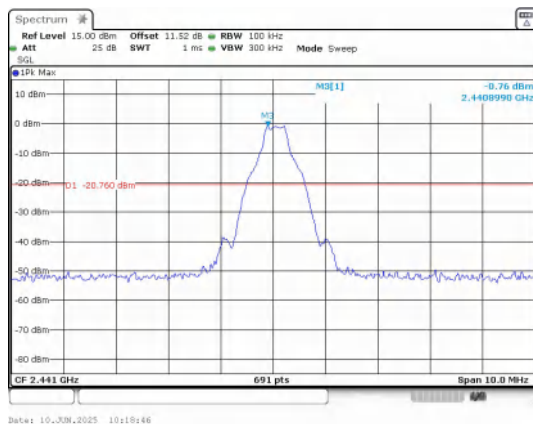
30.0 MHz - 25000.0 MHz  
 $\pi/4$ DQPSK\_2-DH5\_Channel 78



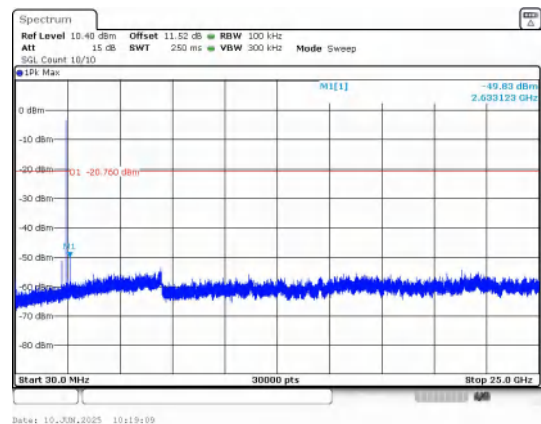
Out Of Band Emission  
8DPSK\_3-DH5\_Channel 0



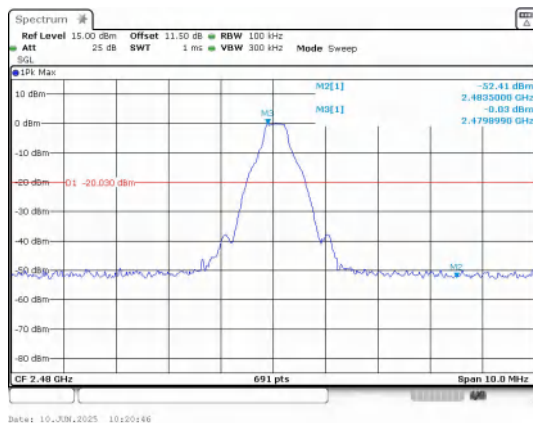
30.0 MHz - 25000.0 MHz  
8DPSK\_3-DH5\_Channel 0



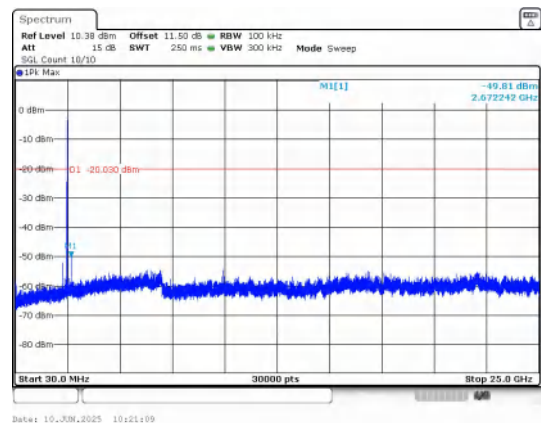
Out Of Band Emission  
8DPSK\_3-DH5\_Channel 39



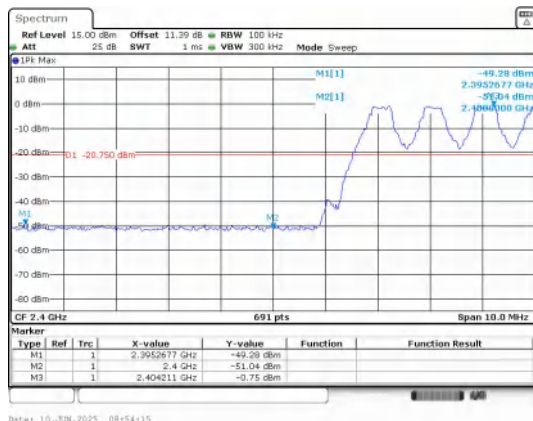
30.0 MHz - 25000.0 MHz  
8DPSK\_3-DH5\_Channel 39



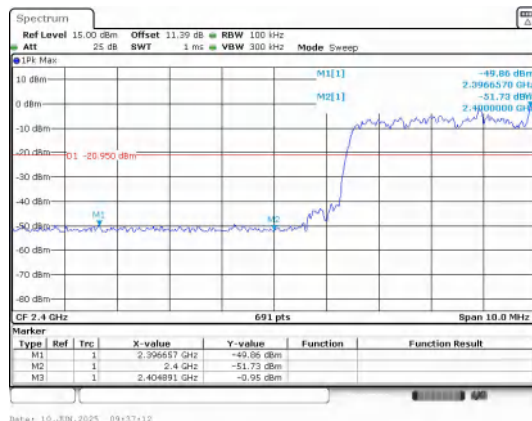
Out Of Band Emission  
8DPSK\_3-DH5\_Channel 78



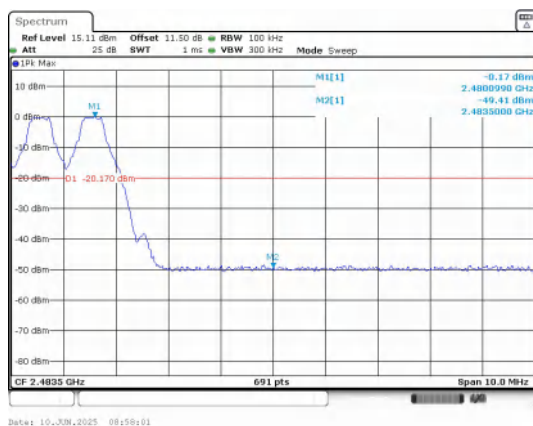
30.0 MHz - 25000.0 MHz  
8DPSK\_3-DH5\_Channel 78



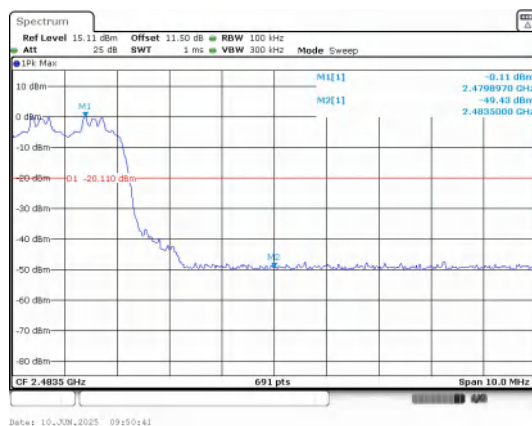
Out Of Band Emission(Left)  
GFSK\_DH5\_Channel Hopping



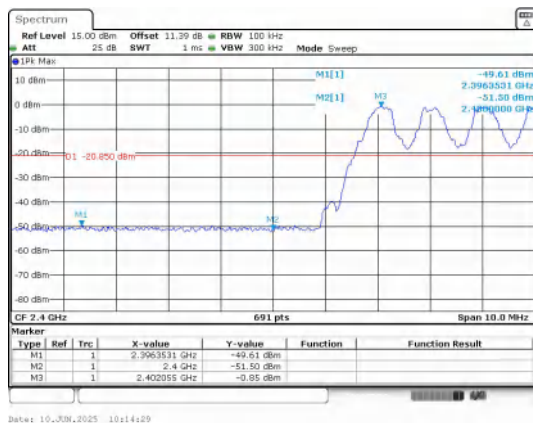
Out Of Band Emission(Left)  
 $\pi/4$ DQPSK\_2-DH5\_Channel Hopping



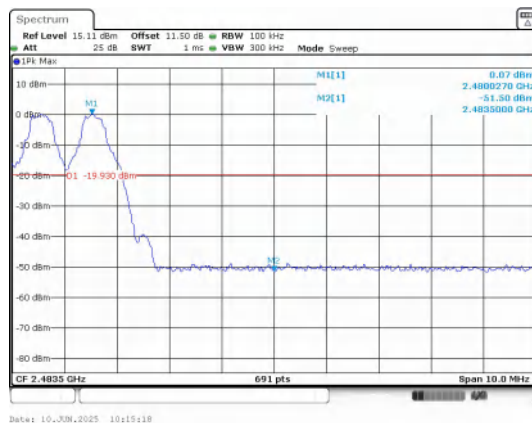
Out Of Band Emission(Right)  
GFSK\_DH5\_Channel Hopping



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-----