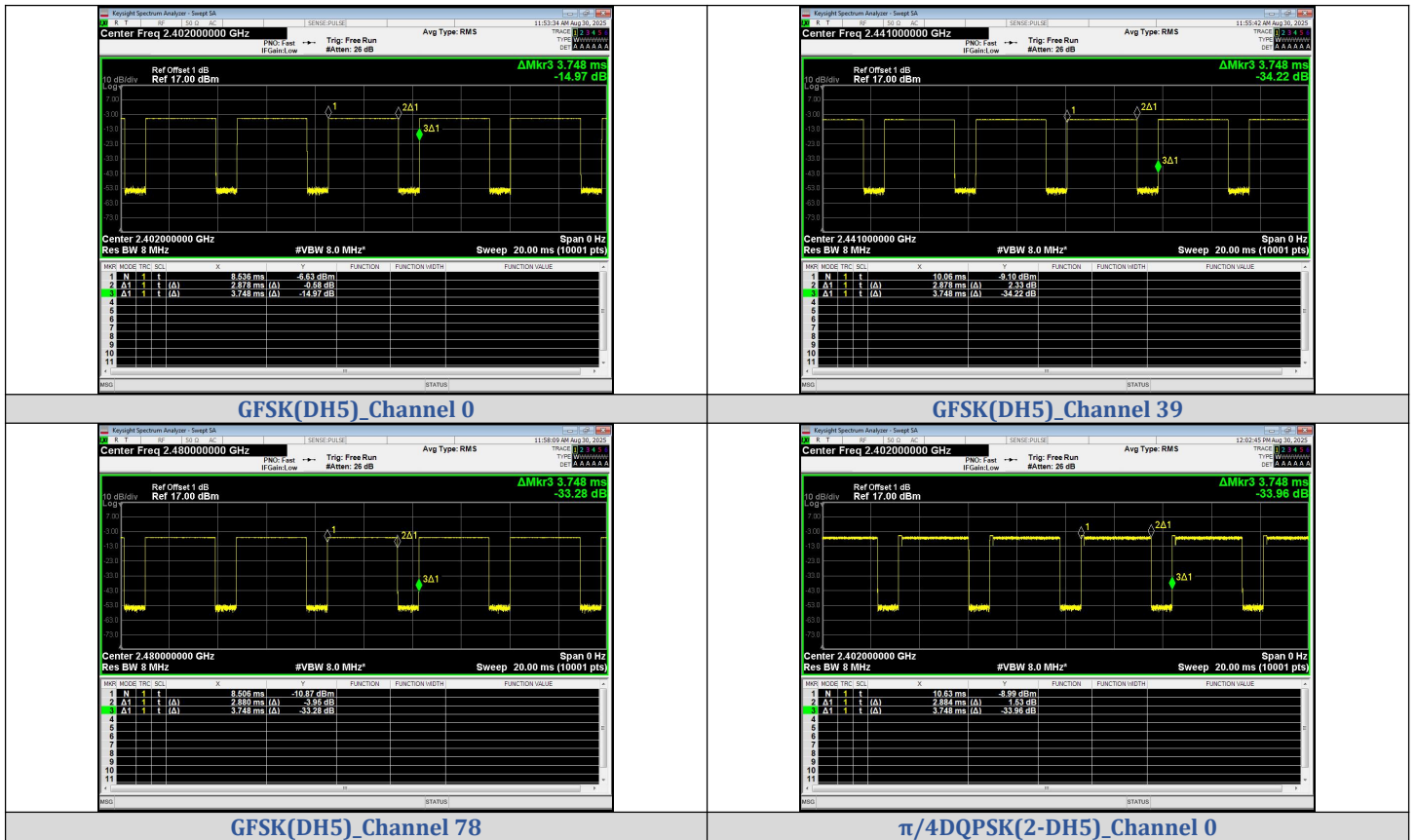


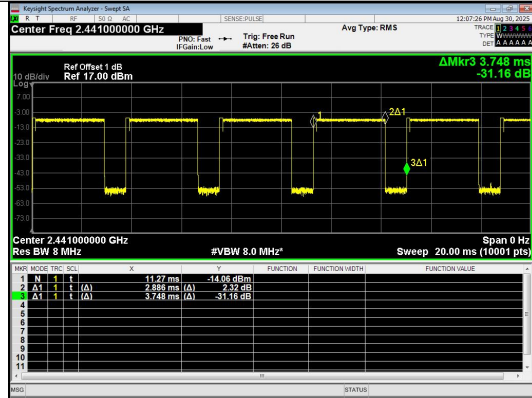
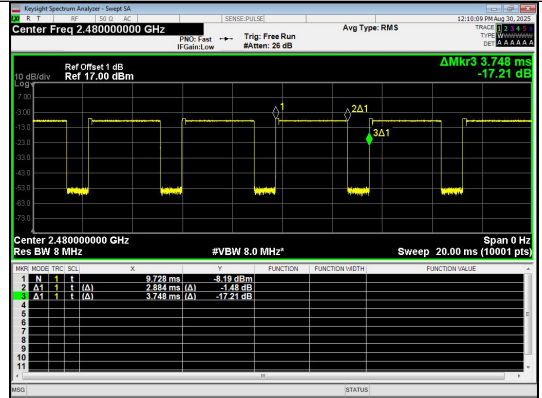
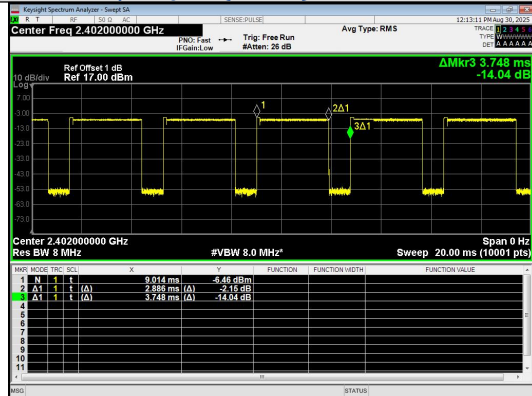
## Duty Cycle

### Test Result

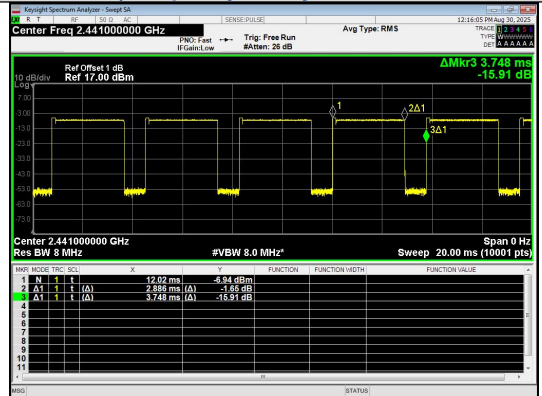
| Modulation    | Packets | Channel | On Time (ms) | Period (ms) | Duty Cycle (%) | Duty Cycle (linear) | Duty Cycle Factor (dB) | 1/T    |
|---------------|---------|---------|--------------|-------------|----------------|---------------------|------------------------|--------|
| GFSK          | DH5     | 0       | 2.878        | 3.748       | 76.79          | 0.7679              | 1.147                  | 0.3475 |
|               |         | 39      | 2.878        | 3.748       | 76.79          | 0.7679              | 1.147                  | 0.3475 |
|               |         | 78      | 2.880        | 3.748       | 76.84          | 0.7684              | 1.1441                 | 0.3472 |
| $\pi/4$ DQPSK | 2-DH5   | 0       | 2.884        | 3.748       | 76.95          | 0.7695              | 1.1379                 | 0.3467 |
|               |         | 39      | 2.886        | 3.748       | 77.00          | 0.7700              | 1.1351                 | 0.3465 |
|               |         | 78      | 2.884        | 3.748       | 76.95          | 0.7695              | 1.1379                 | 0.3467 |
| 8DPSK         | 3-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      | 2.888        | 3.748       | 77.05          | 0.7705              | 1.1323                 | 0.3463 |

## 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



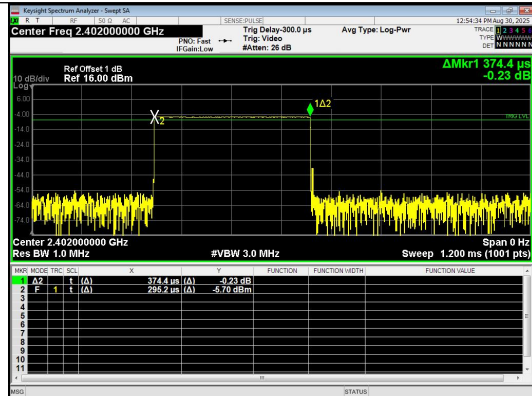
8DPSK(3-DH5)\_Channel 78

## Dwell Time

### Test Result

| Modulation    | Packet | Channel | Pulse Width (ms) | Number of Pulses in 31.6 seconds | Dwell Time (ms) | Limit (ms) | Result |
|---------------|--------|---------|------------------|----------------------------------|-----------------|------------|--------|
| GFSK          | DH1    | Hopping | 0.3744           | 316                              | 118.31          | < 400      | PASS   |
|               | DH3    |         | 1.632            | 158                              | 257.86          |            | PASS   |
|               | DH5    |         | 2.880            | 104                              | 299.52          |            | PASS   |
| $\pi/4$ DQPSK | 2-DH1  |         | 0.3852           | 316                              | 121.72          |            | PASS   |
|               | 2-DH3  |         | 1.632            | 167                              | 272.54          |            | PASS   |
|               | 2-DH5  |         | 2.880            | 102                              | 293.76          |            | PASS   |
| 8DPSK         | 3-DH1  |         | 0.3852           | 316                              | 121.72          |            | PASS   |
|               | 3-DH3  |         | 1.632            | 155                              | 252.96          |            | PASS   |
|               | 3-DH5  |         | 2.888            | 114                              | 329.23          |            | PASS   |

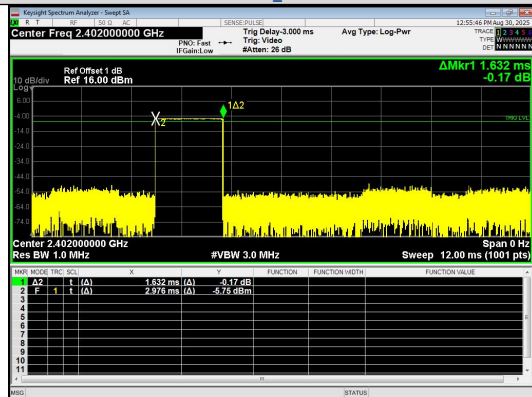
### Test Graphs



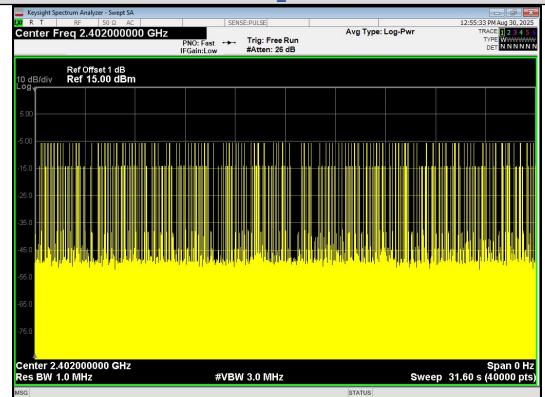
Pulse Width  
GFSK DH1



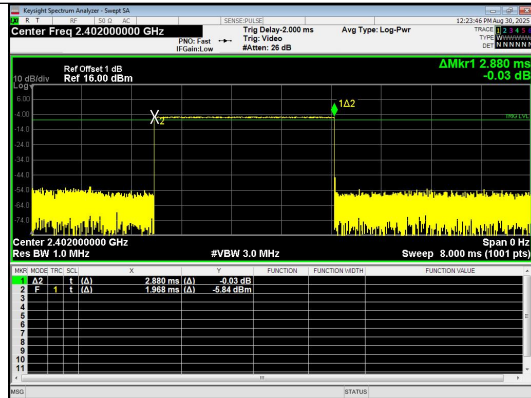
Number of Pulses in 31.6 seconds  
GFSK DH1



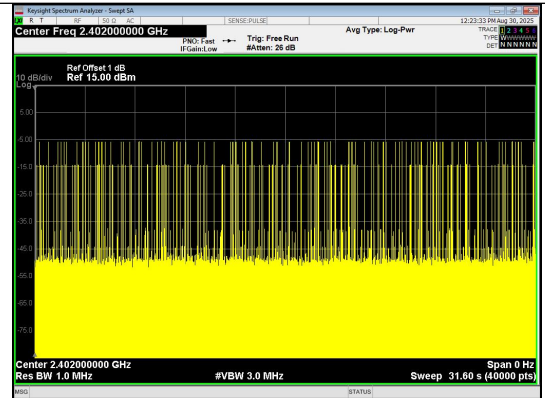
Pulse Width  
GFSK DH3



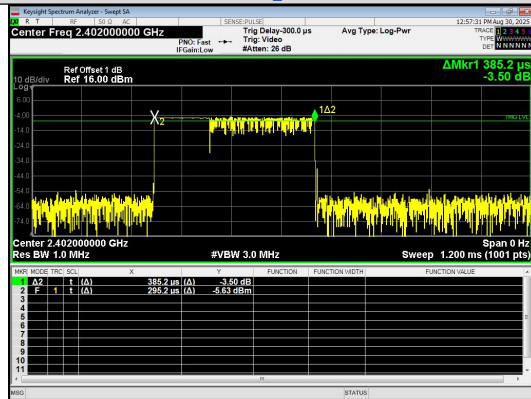
Number of Pulses in 31.6 seconds  
GFSK DH3



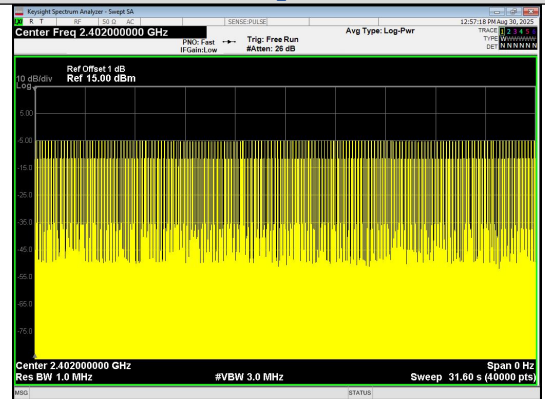
Pulse Width  
GFSK\_DH5



Number of Pulses in 31.6 seconds  
GFSK\_DH5



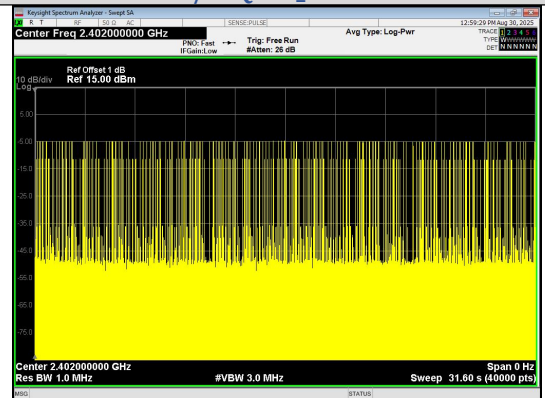
Pulse Width  
 $\pi/4$ DQPSK\_2-DH1



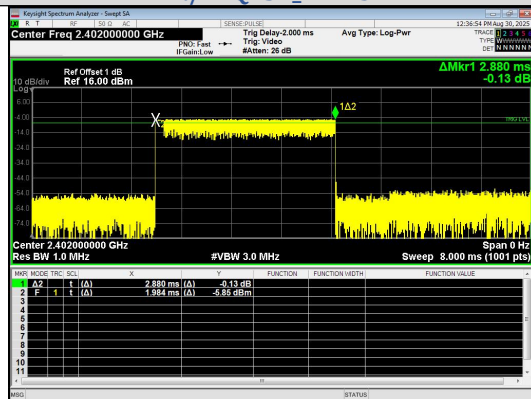
Number of Pulses in 31.6 seconds  
 $\pi/4$ DQPSK\_2-DH1



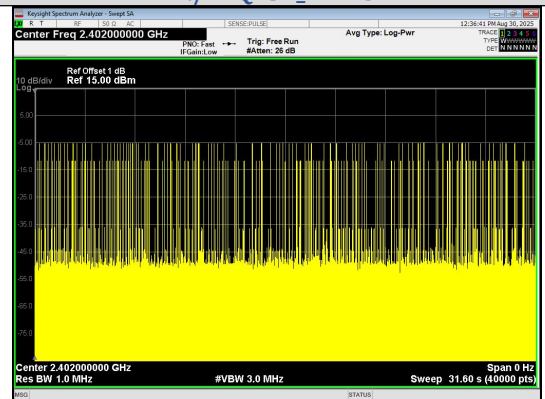
Pulse Width  
 $\pi/4$ DQPSK\_2-DH3



Number of Pulses in 31.6 seconds  
 $\pi/4$ DQPSK\_2-DH3

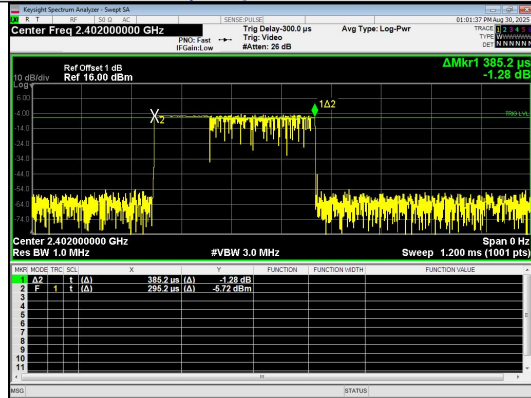


Pulse Width



Number of Pulses in 31.6 seconds

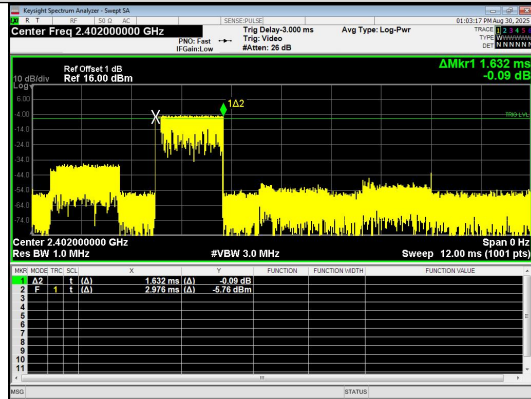
### $\pi/4$ DQPSK\_2-DH5



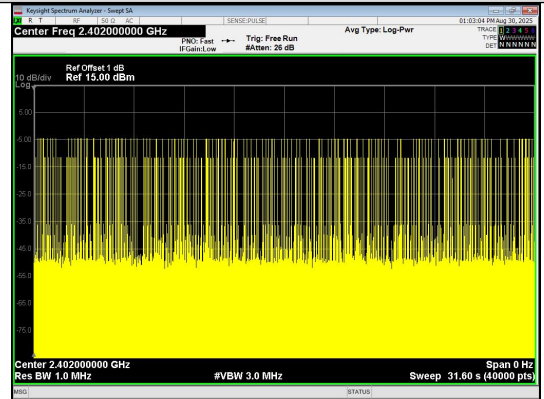
### $\pi/4$ DQPSK\_2-DH5



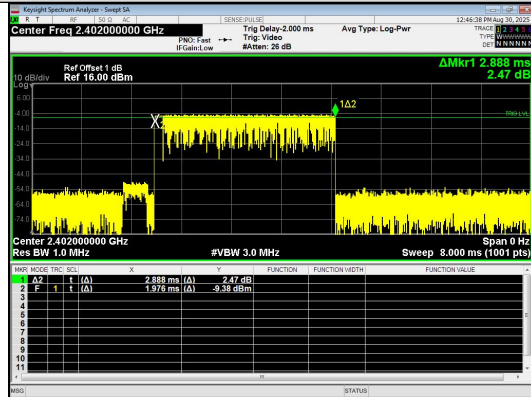
### Pulse Width 8DPSK\_3-DH1



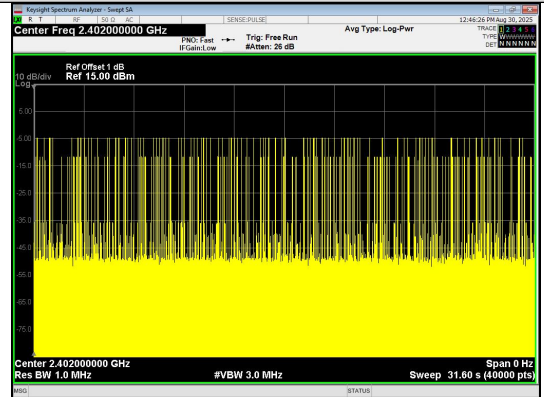
### Number of Pulses in 31.6 seconds 8DPSK\_3-DH1



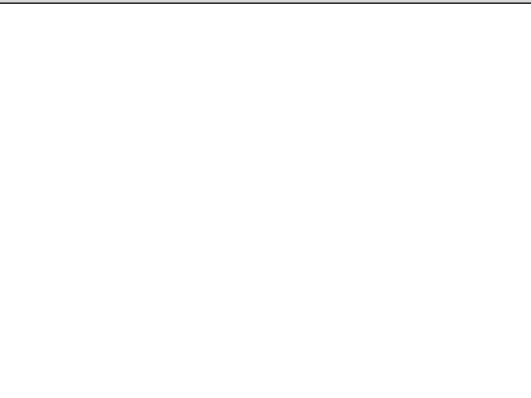
### Pulse Width 8DPSK\_3-DH3



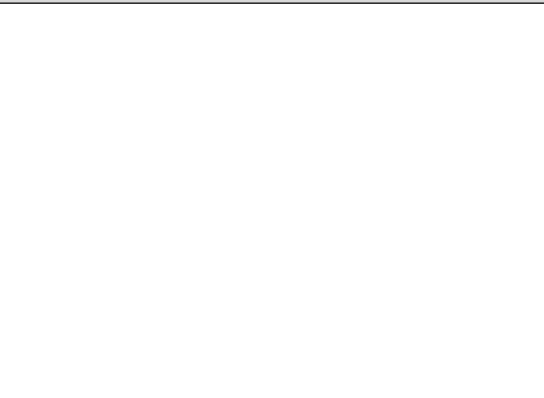
### Number of Pulses in 31.6 seconds 8DPSK\_3-DH3



### Pulse Width 8DPSK\_3-DH5



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



## Number Of Hopping Channel

### 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

