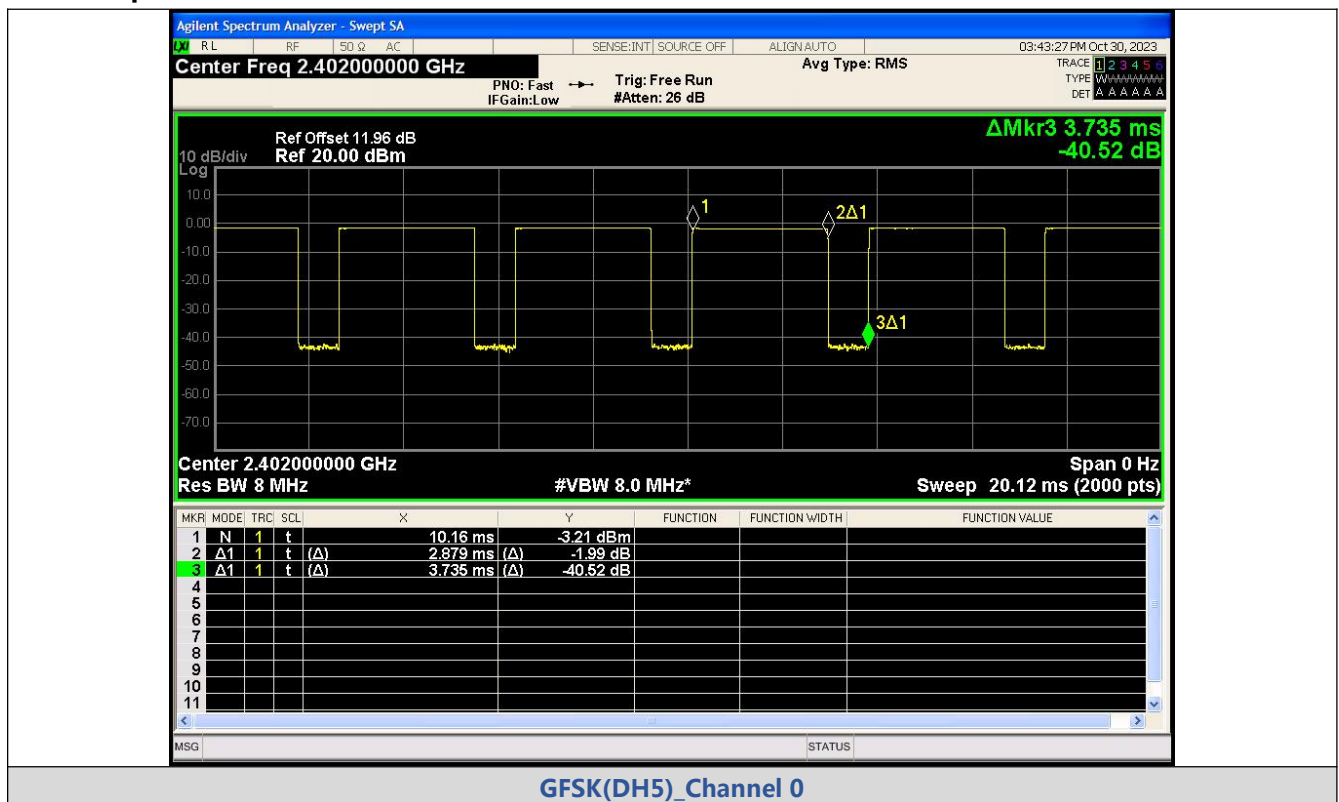


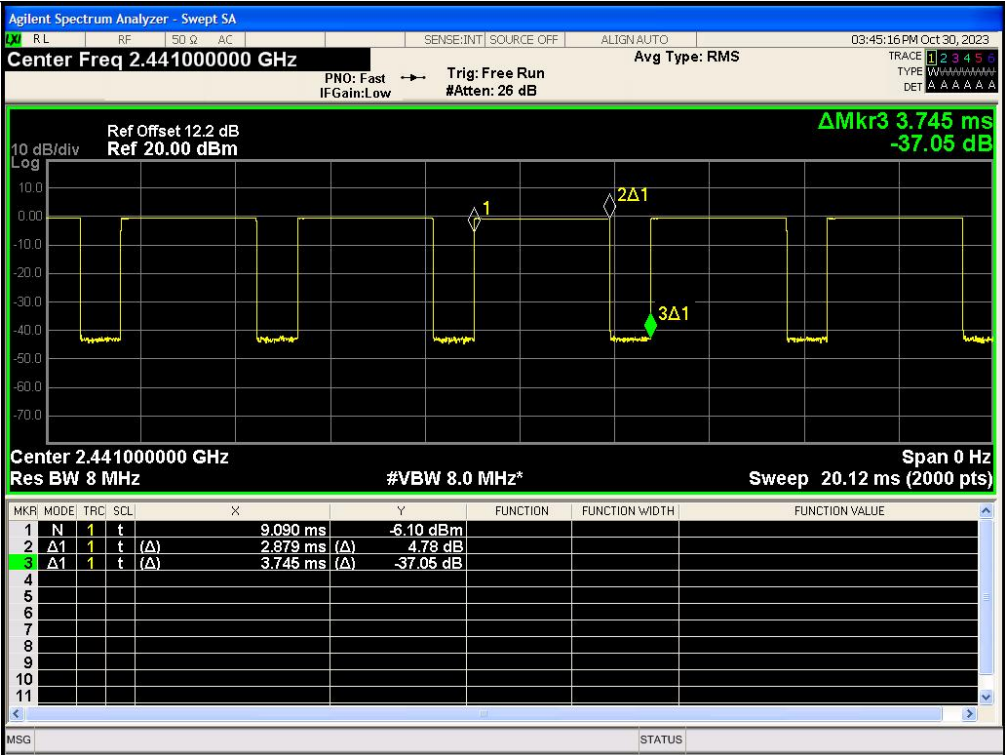
## APPENDIX VI. Duty Cycle

### Test Result

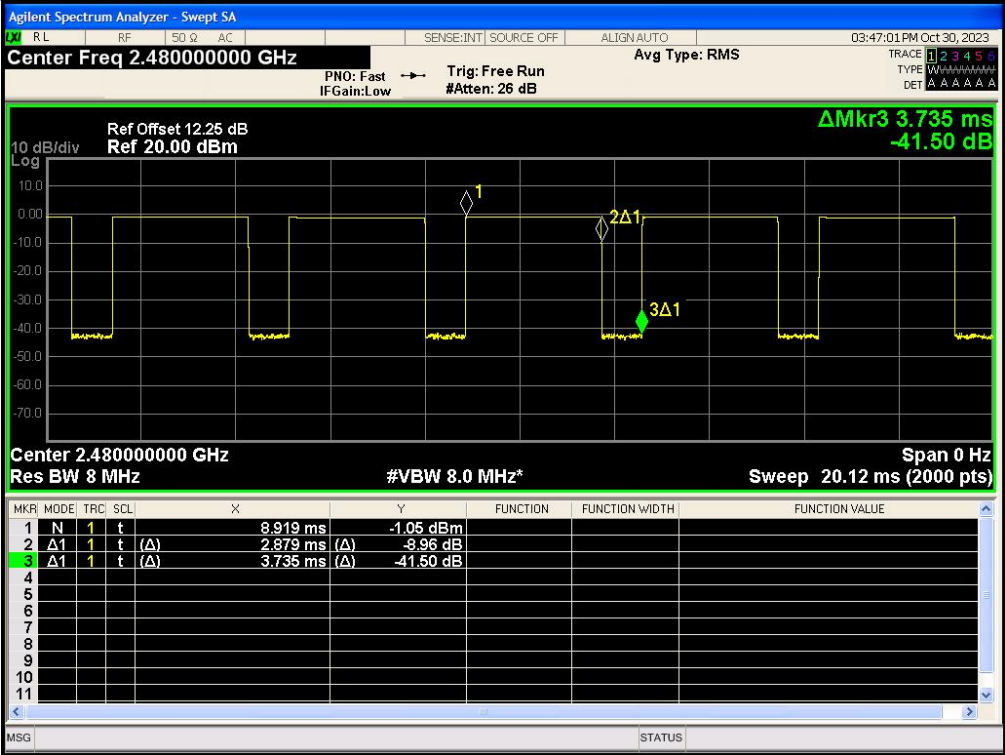
| Modulation    | Packets | Channel | On Time (ms) | Period (ms) | Duty Cycle (%) | Duty Cycle (linear) | Duty Cycle Factor (dB) |
|---------------|---------|---------|--------------|-------------|----------------|---------------------|------------------------|
| GFSK          | DH5     | 0       | 2.879        | 3.735       | 77.09          | 0.7709              | 1.13                   |
|               |         | 39      | 2.879        | 3.745       | 76.88          | 0.7688              | 1.1419                 |
|               |         | 78      | 2.879        | 3.735       | 77.09          | 0.7709              | 1.13                   |
| $\pi/4$ DQPSK | 2-DH5   | 0       | 2.889        | 3.745       | 77.15          | 0.7715              | 1.1266                 |
|               |         | 39      | 2.879        | 3.735       | 77.09          | 0.7709              | 1.13                   |
|               |         | 78      | 2.879        | 3.735       | 77.09          | 0.7709              | 1.13                   |
| 8DPSK         | 3-DH5   | 0       | 2.889        | 3.745       | 77.15          | 0.7715              | 1.1266                 |
|               |         | 39      | 2.889        | 3.735       | 77.36          | 0.7736              | 1.1148                 |
|               |         | 78      | 2.889        | 3.745       | 77.15          | 0.7715              | 1.1266                 |

### Test Graphs

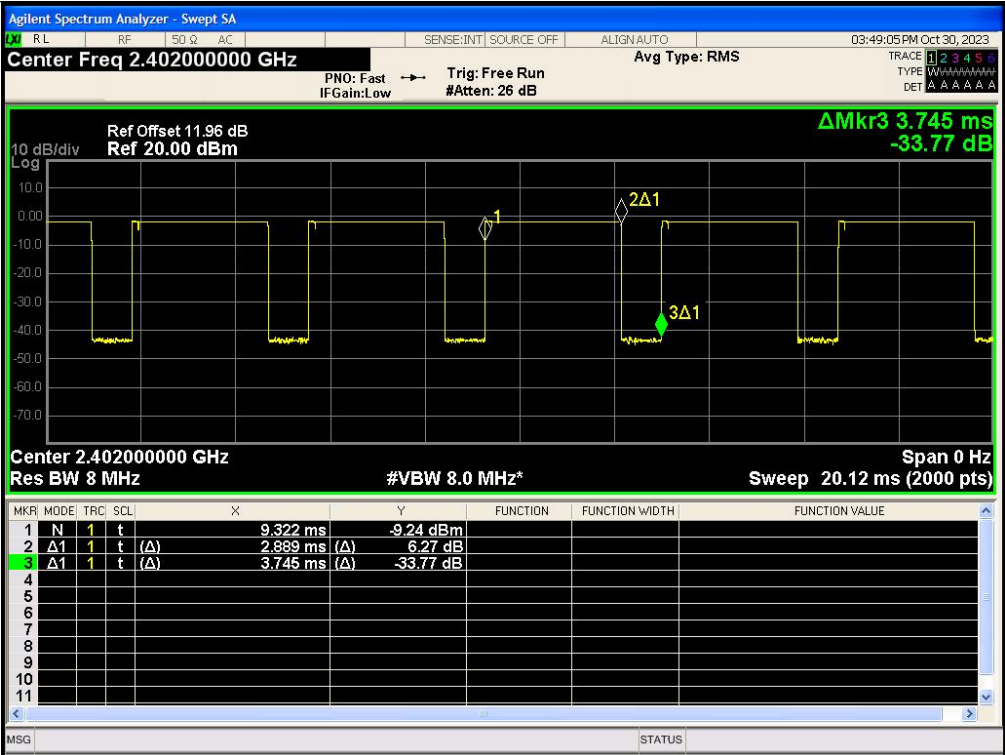




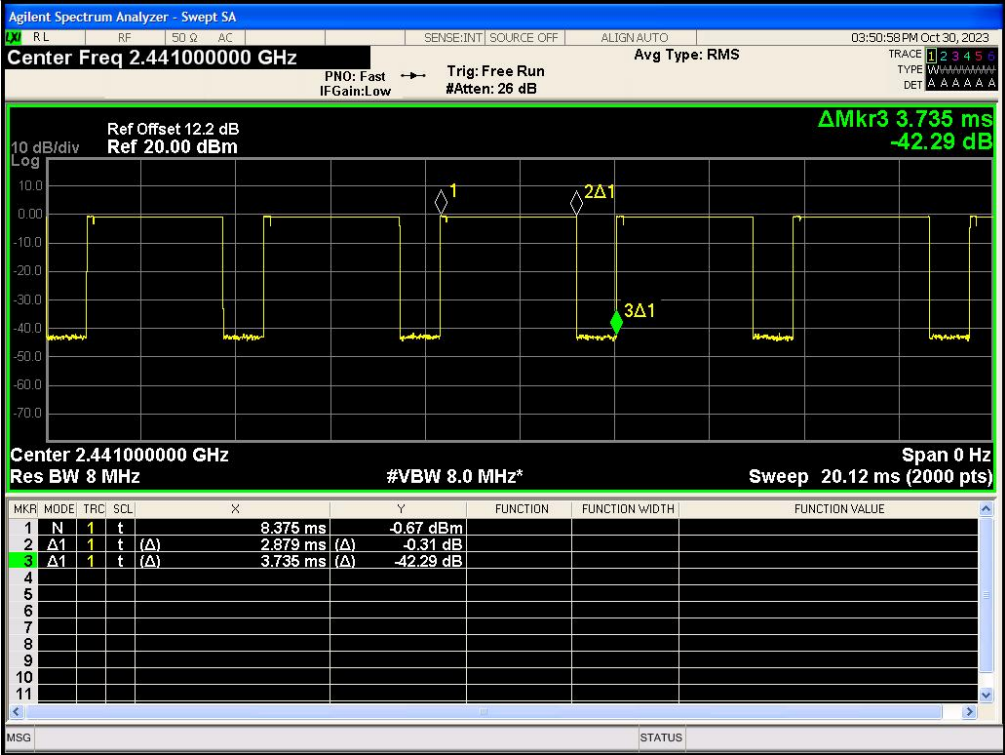
GFSK(DH5)\_Channel 39



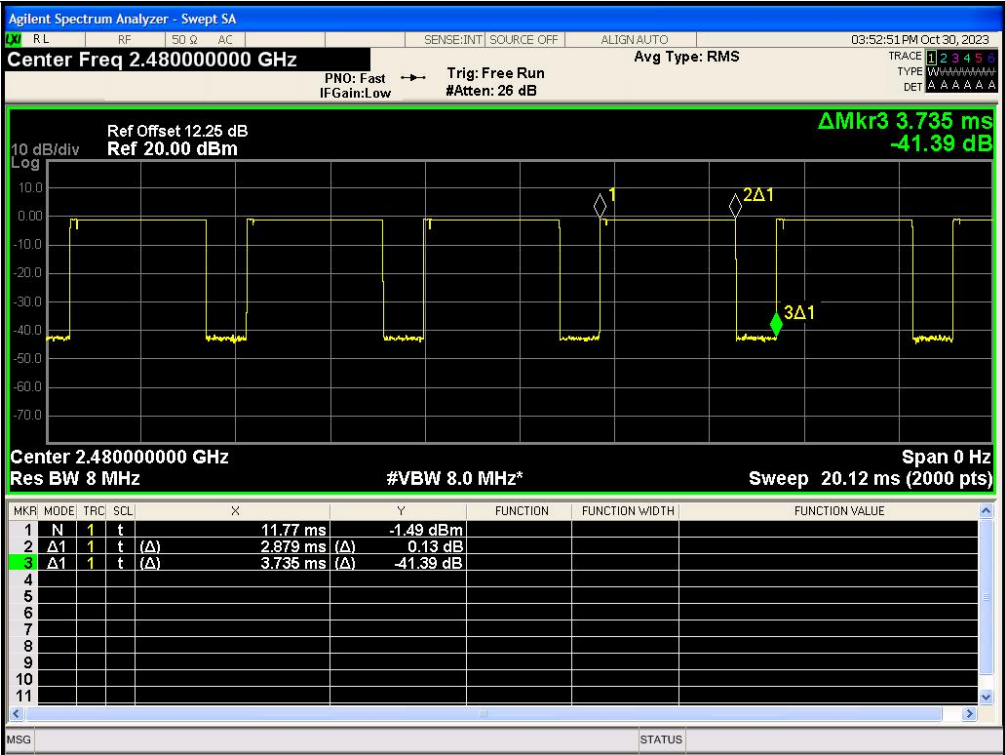
GFSK(DH5)\_Channel 78



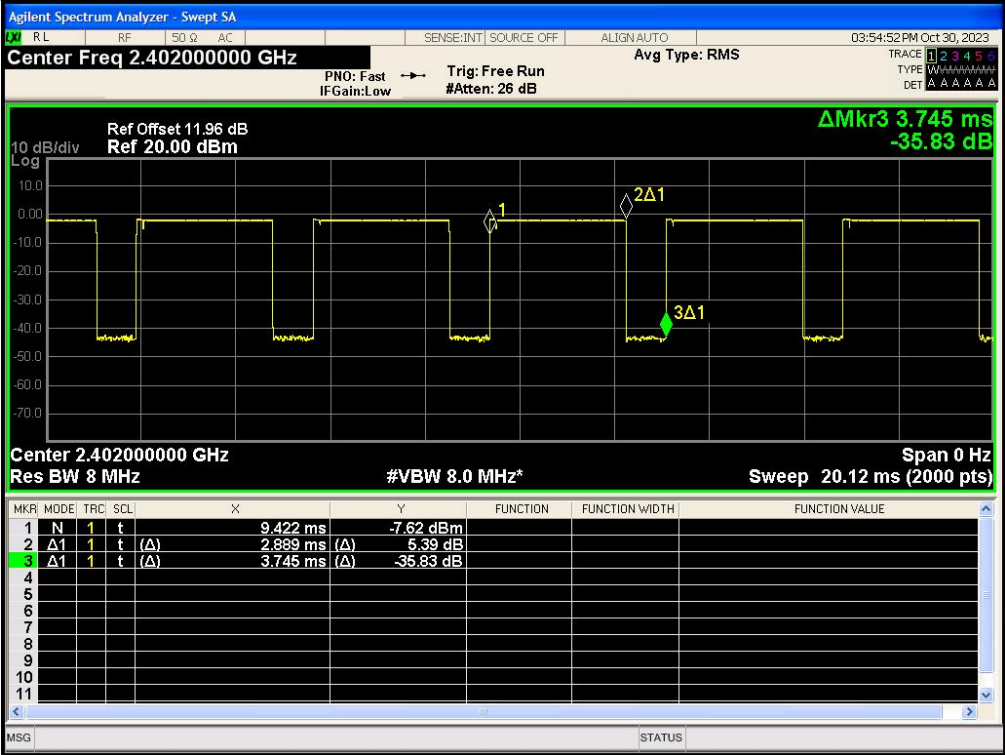
π/4DQPSK(2-DH5)\_Channel 0



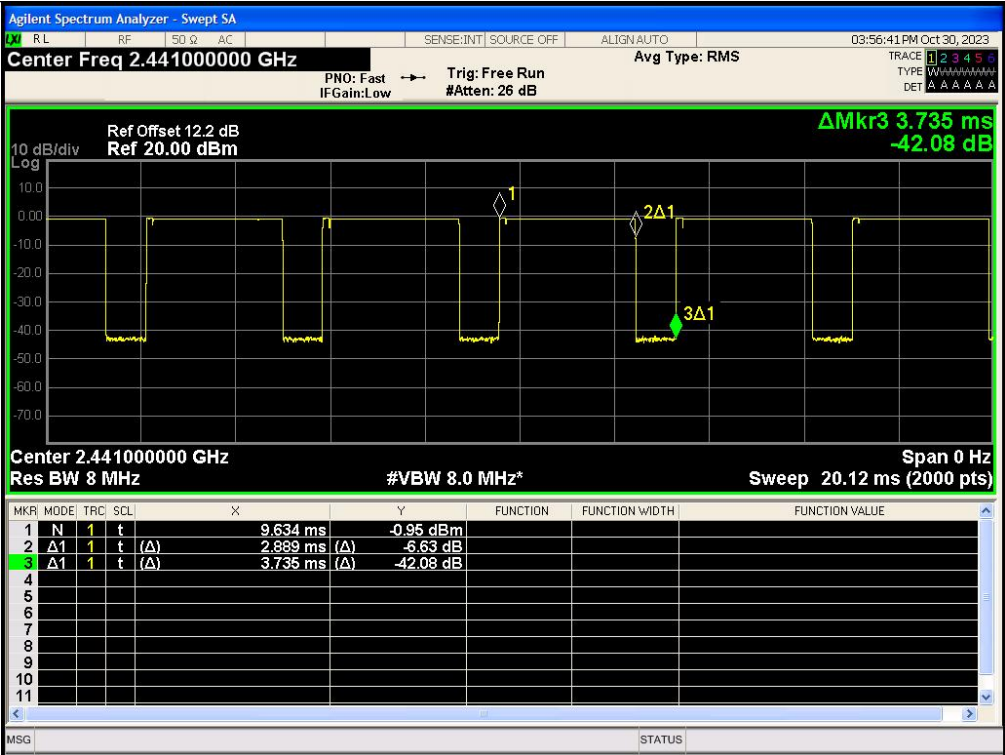
π/4DQPSK(2-DH5)\_Channel 39



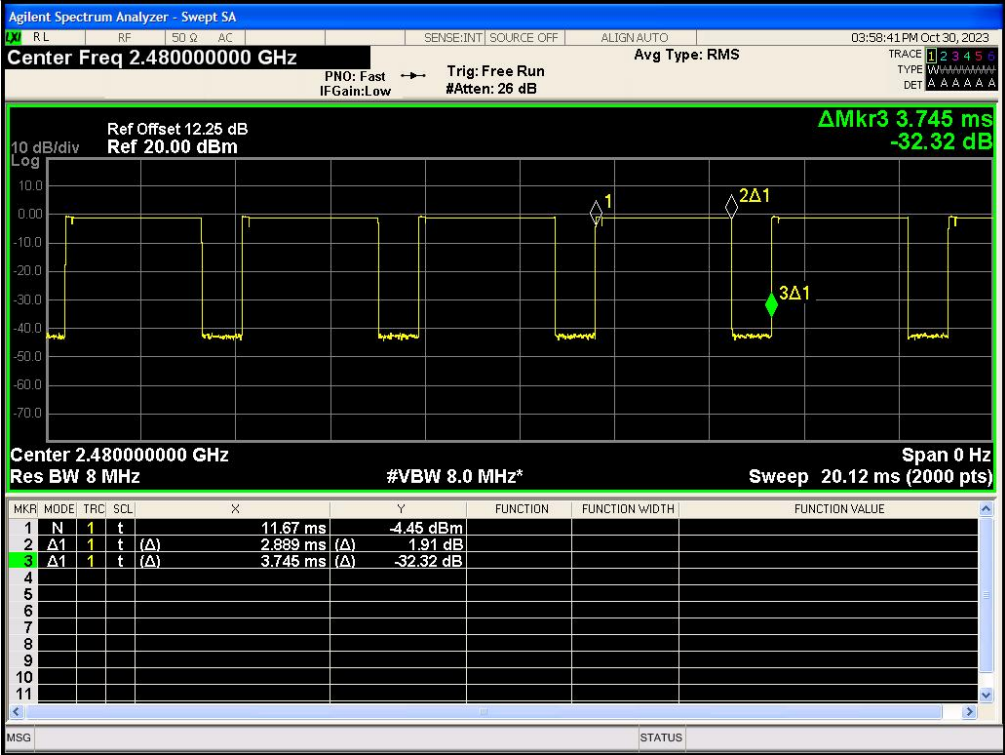
π/4DQPSK(2-DH5)\_Channel 78



8DPSK(3-DH5)\_Channel 0



8DPSK(3-DH5)\_Channel 39



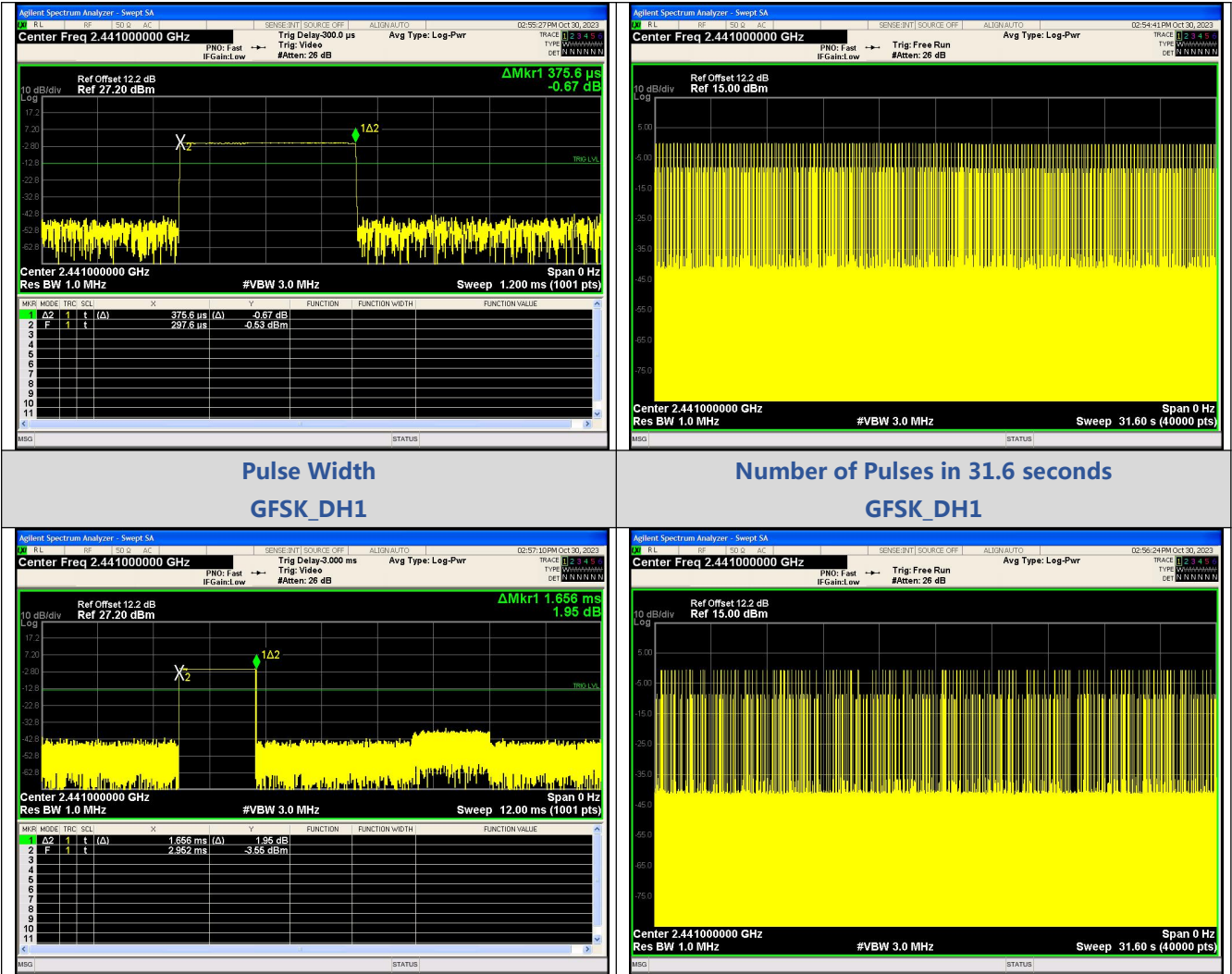
8DPSK(3-DH5)\_Channel 78

APPENDIX VII.Dwell Time

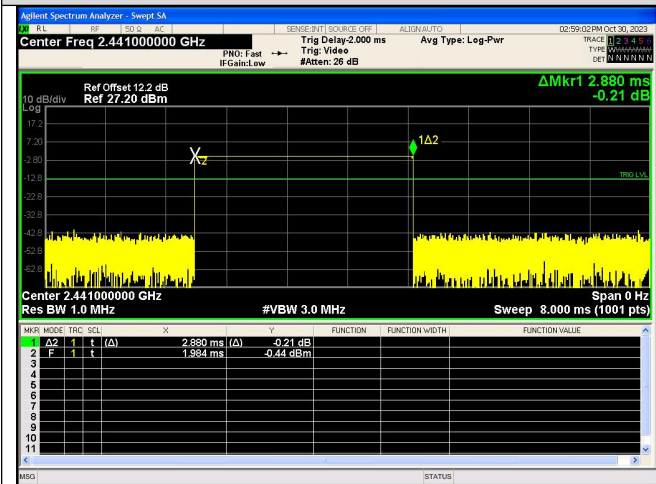
Test Result

| Modulation    | Packet | Channel           | Pulse Width (ms) | Number of Pulses in 31.6 seconds | Dwell Time (ms) | Limit (ms) | Result |
|---------------|--------|-------------------|------------------|----------------------------------|-----------------|------------|--------|
| GFSK          | DH1    | CH39<br>(2441MHz) | 0.3756           | 317                              | 119.07          | < 400      | PASS   |
|               | DH3    |                   | 1.656            | 166                              | 274.9           |            | PASS   |
|               | DH5    |                   | 2.880            | 106                              | 305.28          |            | PASS   |
| $\pi$ /4DQPSK | 2-DH1  |                   | 0.3888           | 318                              | 123.64          |            | PASS   |
|               | 2-DH3  |                   | 1.632            | 156                              | 254.59          |            | PASS   |
|               | 2-DH5  |                   | 2.880            | 93                               | 267.84          |            | PASS   |
| 8DPSK         | 3-DH1  |                   | 0.3888           | 315                              | 122.47          |            | PASS   |
|               | 3-DH3  |                   | 1.632            | 153                              | 249.7           |            | PASS   |
|               | 3-DH5  |                   | 2.880            | 107                              | 308.16          |            | PASS   |

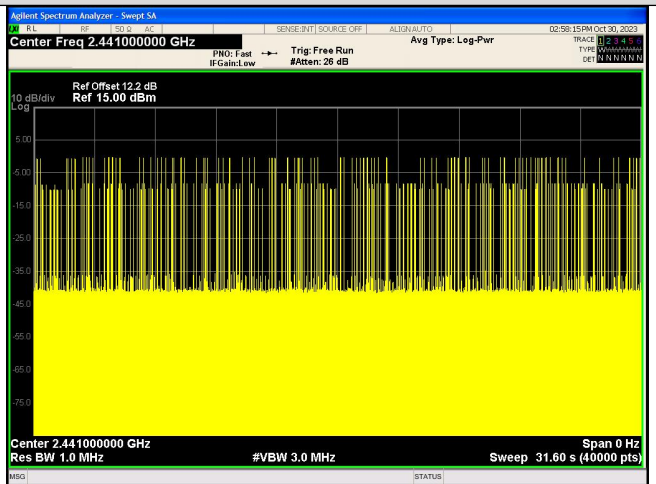
Test Graphs



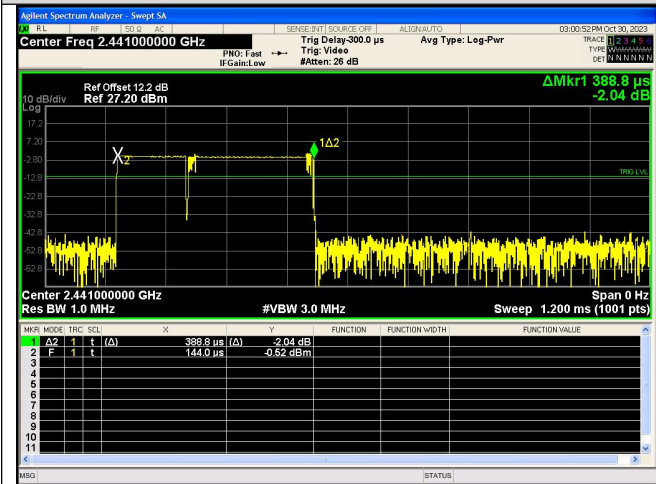
Pulse Width  
GFSK\_DH3



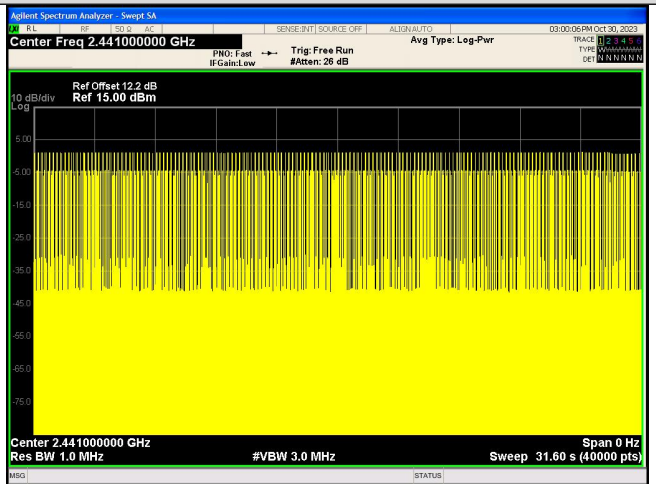
Number of Pulses in 31.6 seconds  
GFSK\_DH3



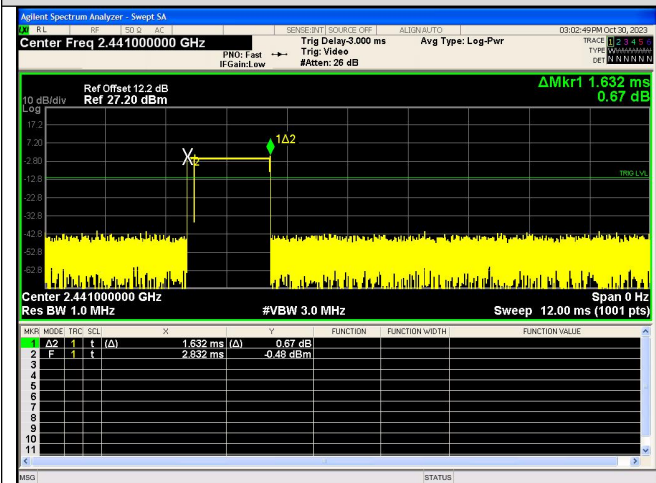
Pulse Width  
GFSK\_DH5



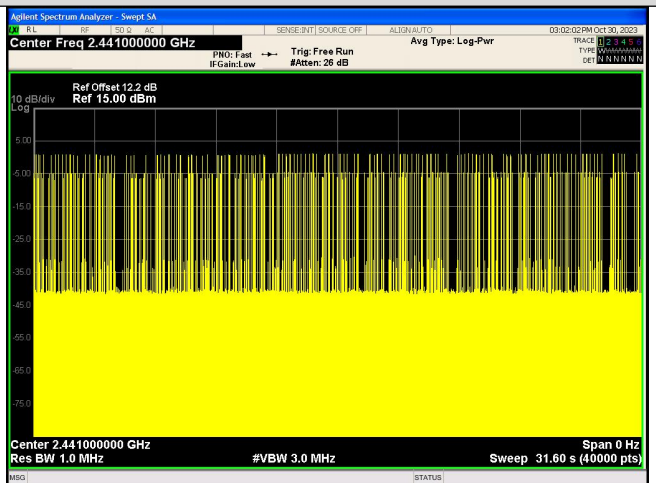
Number of Pulses in 31.6 seconds  
GFSK\_DH5



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



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

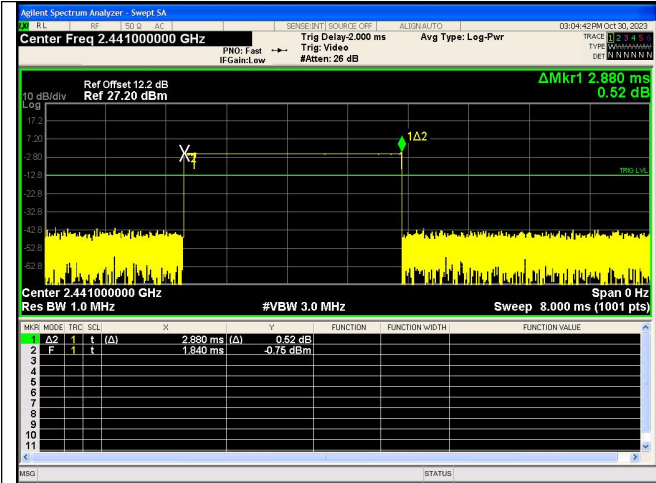


Pulse Width  
 $\pi/4$ DQPSK\_2-DH3

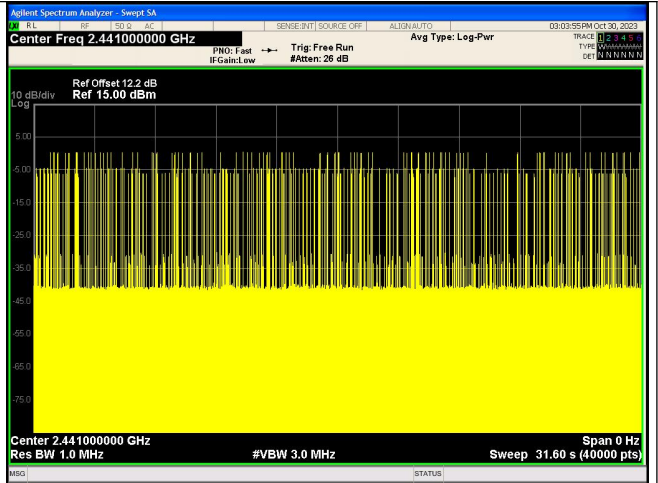


Number of Pulses in 31.6 seconds  
 $\pi/4$ DQPSK\_2-DH3

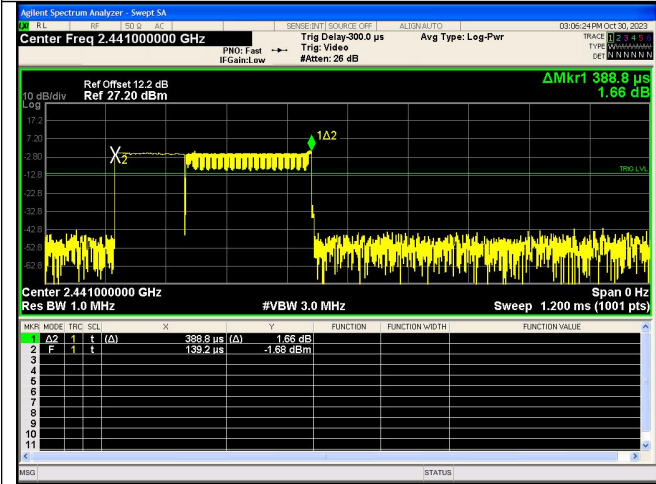




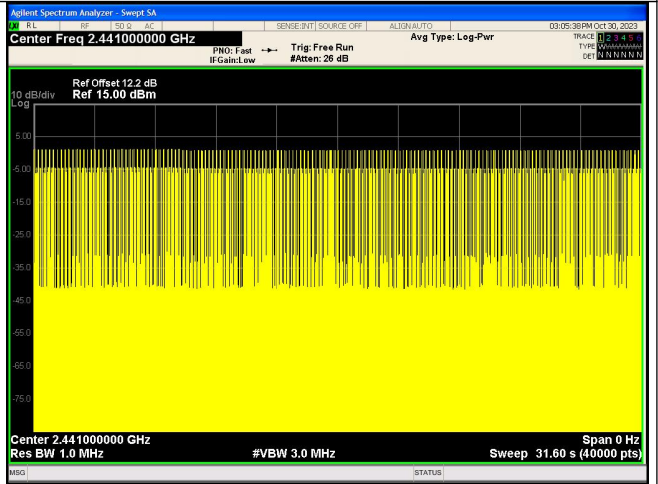
Pulse Width  
 $\pi/4$ DQPSK\_2-DH5



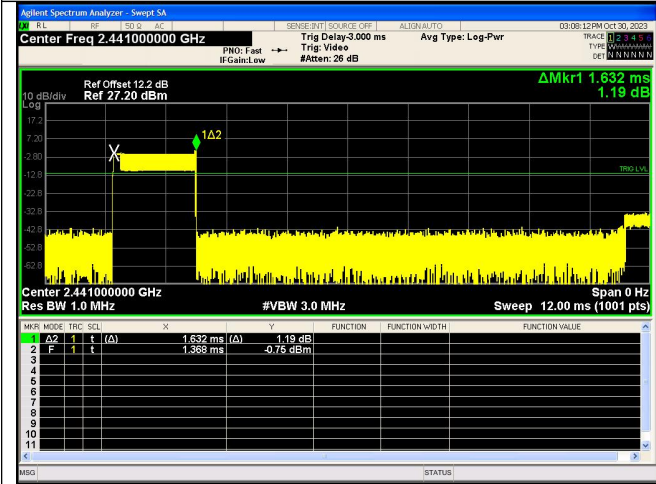
Number of Pulses in 31.6 seconds  
 $\pi/4$ DQPSK\_2-DH5



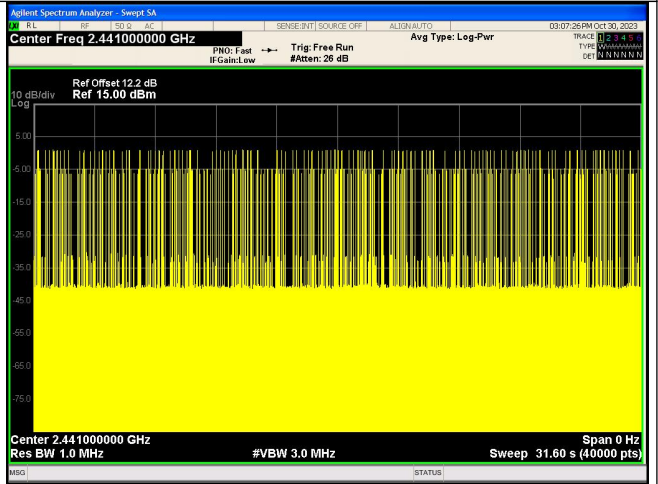
Pulse Width  
8DPSK\_3-DH1



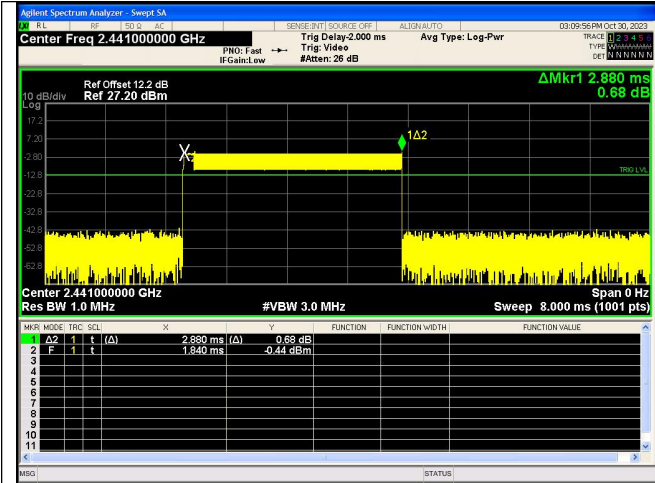
Number of Pulses in 31.6 seconds  
8DPSK\_3-DH1



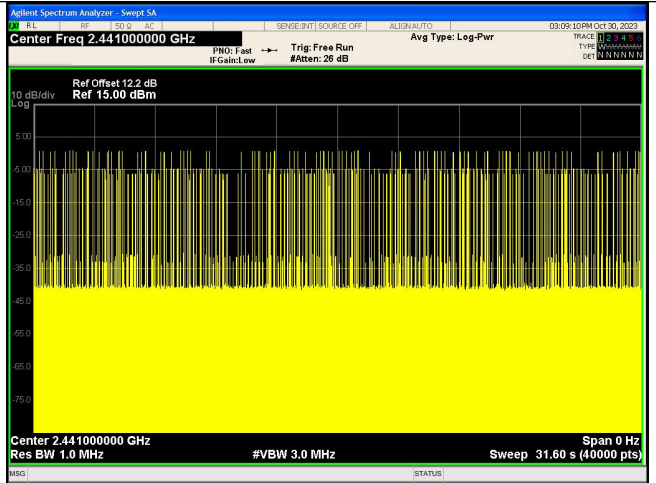
Pulse Width  
8DPSK\_3-DH3



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



Pulse Width  
8DPSK\_3-DH5



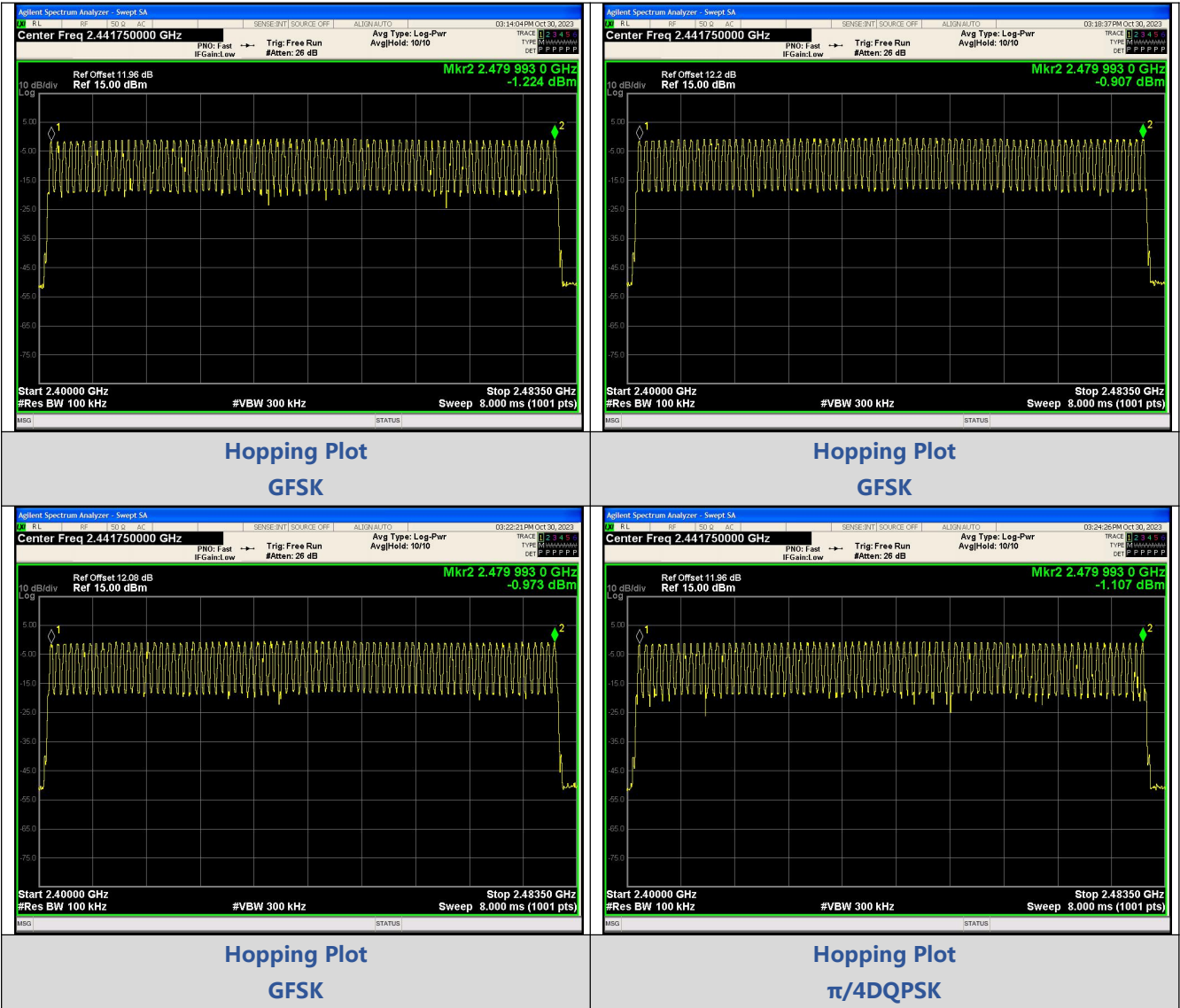
Number of Pulses in 31.6 seconds  
8DPSK\_3-DH5

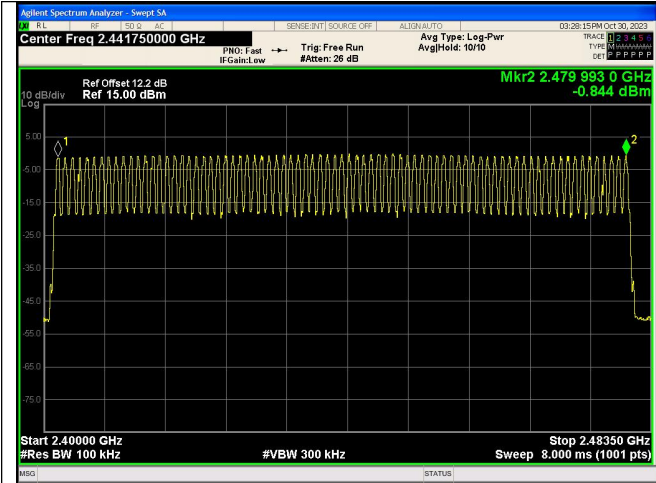
APPENDIX VIII. Number Of Hopping Channel

Test Result

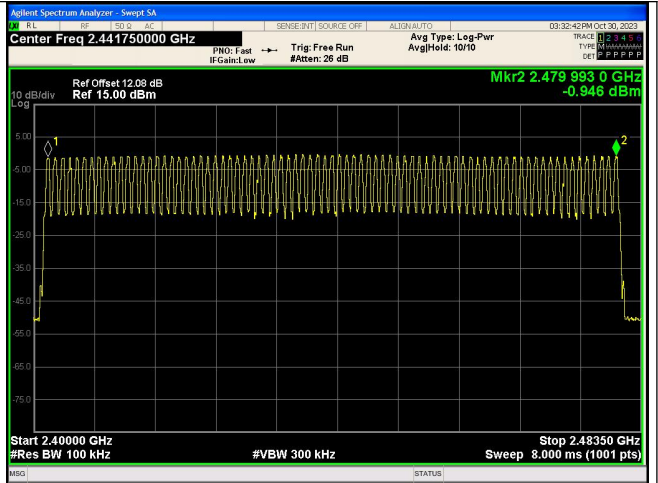
| Modulation    | Packet | Number of Hopping Channel | Limit | Result |
|---------------|--------|---------------------------|-------|--------|
| GFSK          | DH5    | 79                        | 15    | PASS   |
| GFSK          | DH5    | 79                        | 15    | PASS   |
| GFSK      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

Test Graphs

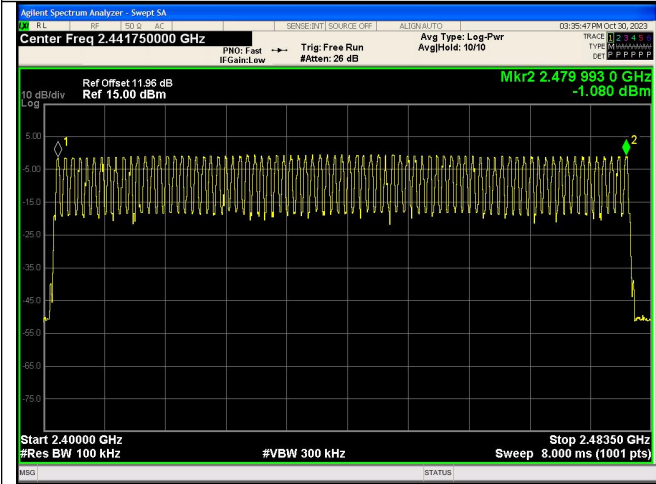




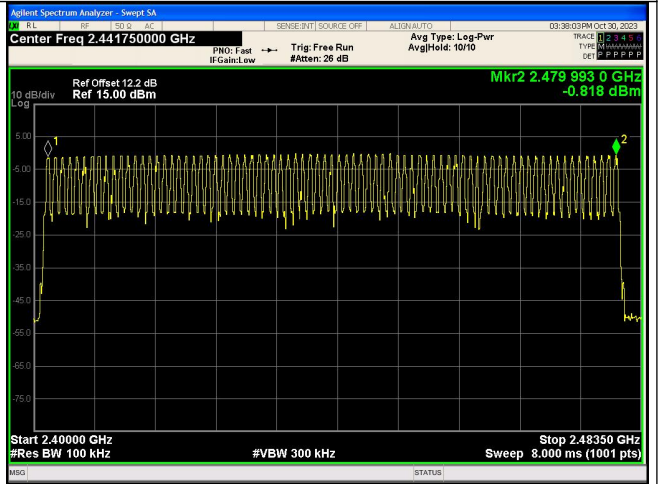
Hopping Plot  
 $\pi/4$ DQPSK



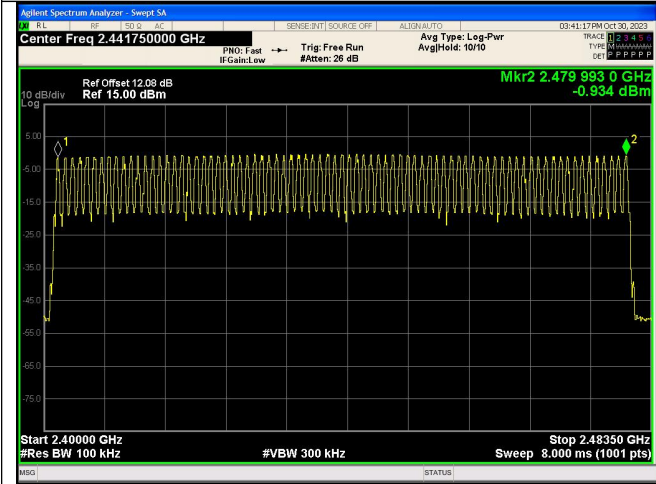
Hopping Plot  
 $\pi/4$ DQPSK



Hopping Plot  
8DPSK



Hopping Plot  
8DPSK



Hopping Plot  
8DPSK

Void