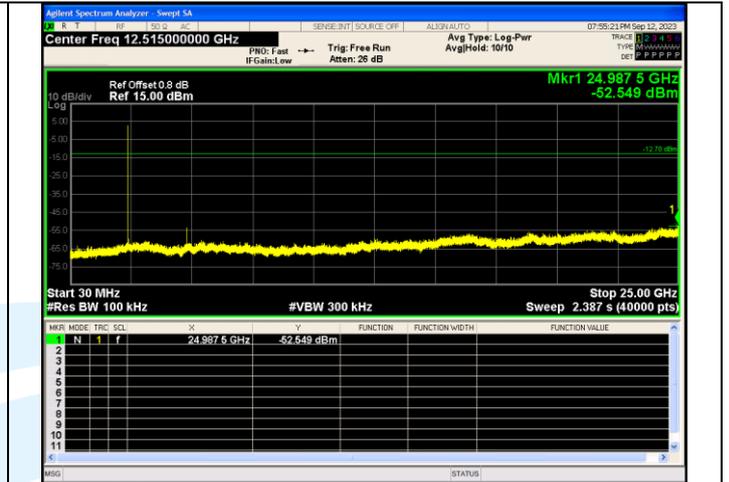
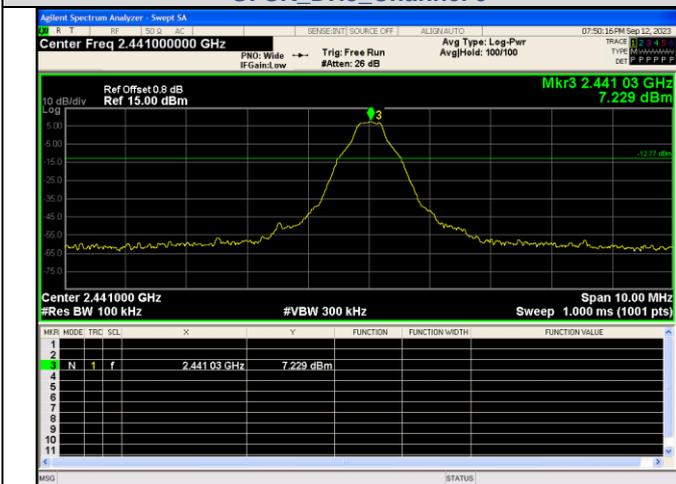


**Spurious Emission  
GFSK\_DH5\_Channel 0**



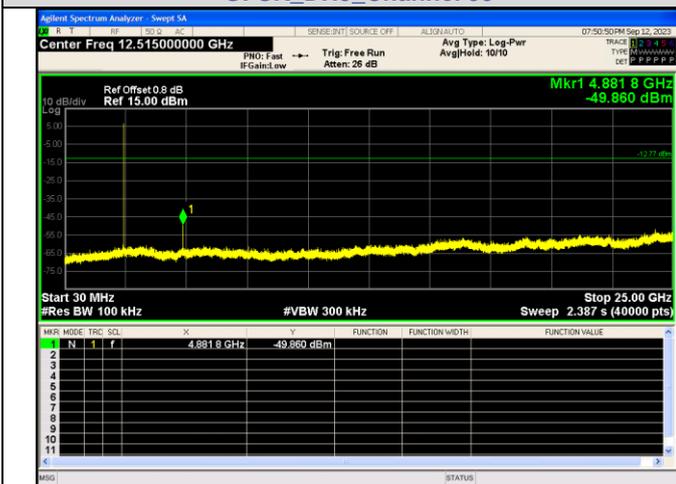
**Spurious Emission  
 $\pi/4$ DQPSK\_2-DH5\_Channel 0**



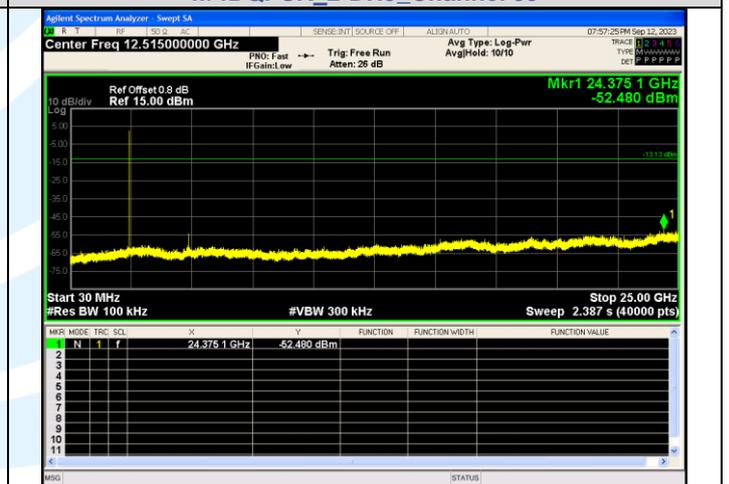
**Out Of Band Emission  
GFSK\_DH5\_Channel 39**



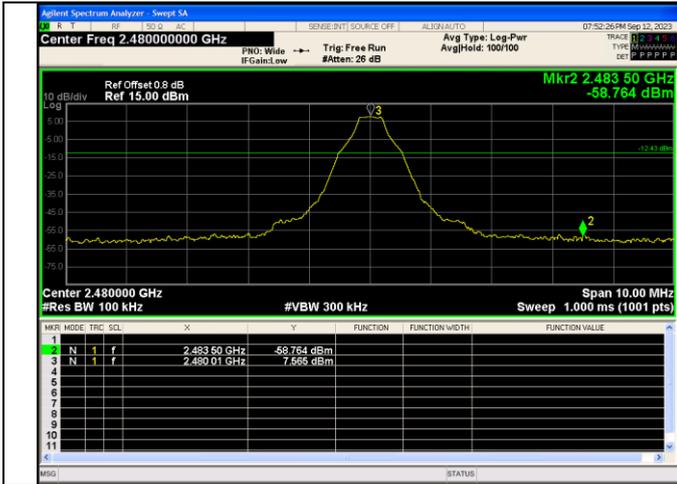
**Out Of Band Emission  
 $\pi/4$ DQPSK\_2-DH5\_Channel 39**



**Spurious Emissions  
GFSK\_DH5\_Channel 39**



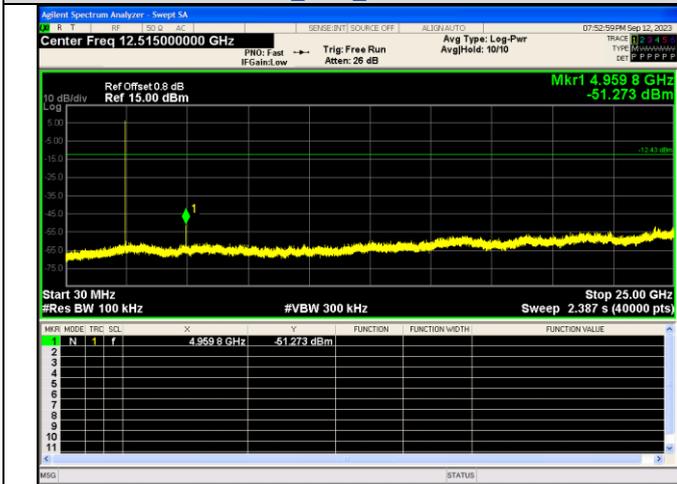
**Spurious Emissions  
 $\pi/4$ DQPSK\_2-DH5\_Channel 39**



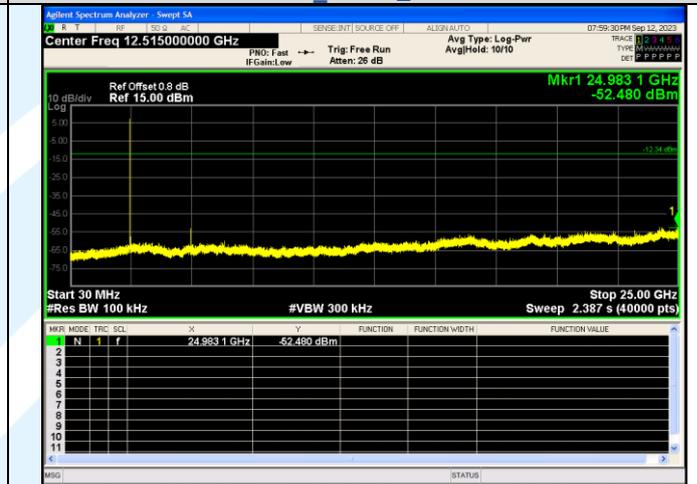
**Out Of Band Emission  
GFSK\_DH5\_Channel 78**



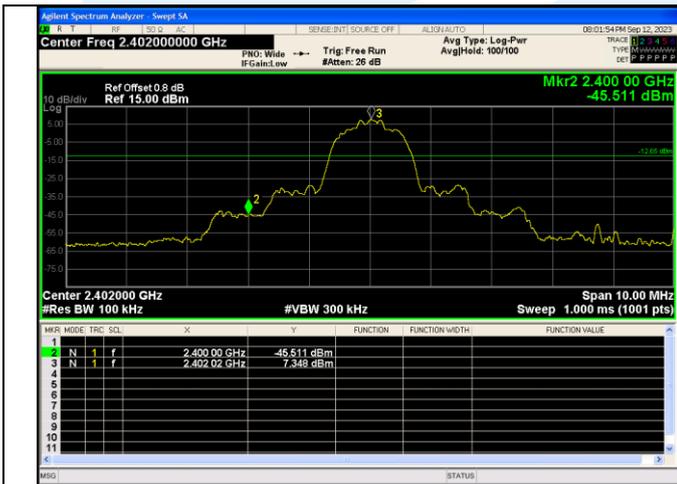
**Out Of Band Emission  
 $\pi/4$ DQPSK\_2-DH5\_Channel 78**



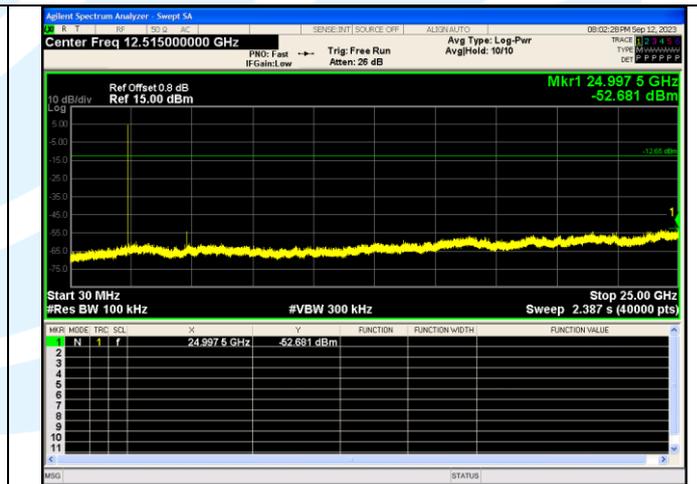
**Spurious Emission  
GFSK\_DH5\_Channel 78**



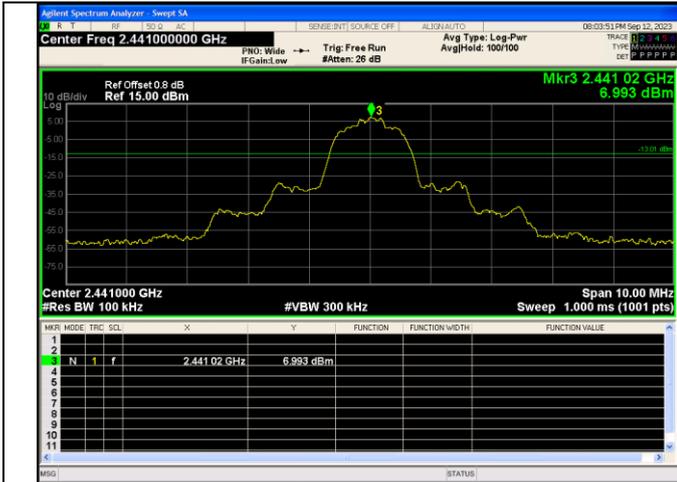
**Spurious Emission  
 $\pi/4$ DQPSK\_2-DH5\_Channel 78**



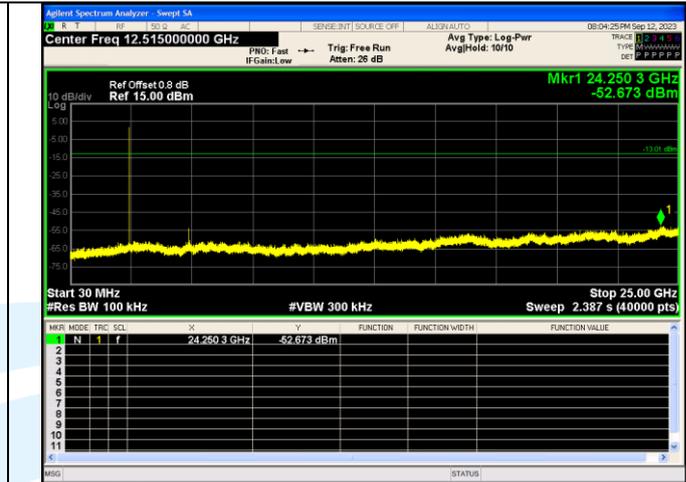
**Out Of Band Emission  
8DPSK\_3-DH5\_Channel 0**



**Spurious Emission  
8DPSK\_3-DH5\_Channel 0**



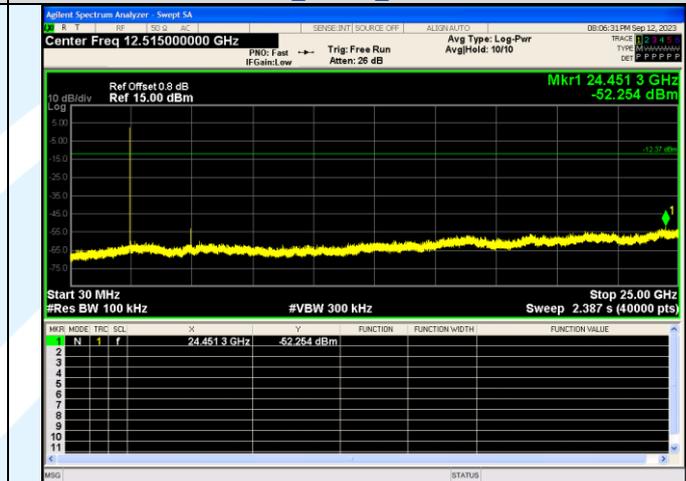
**Out Of Band Emission  
8DPSK 3-DH5 Channel 39**



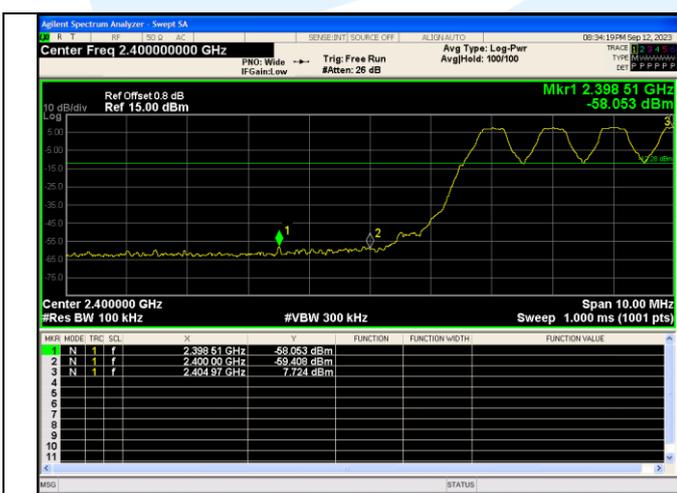
**Spurious Emissions  
8DPSK 3-DH5 Channel 39**



**Out Of Band Emission  
8DPSK 3-DH5 Channel 78**



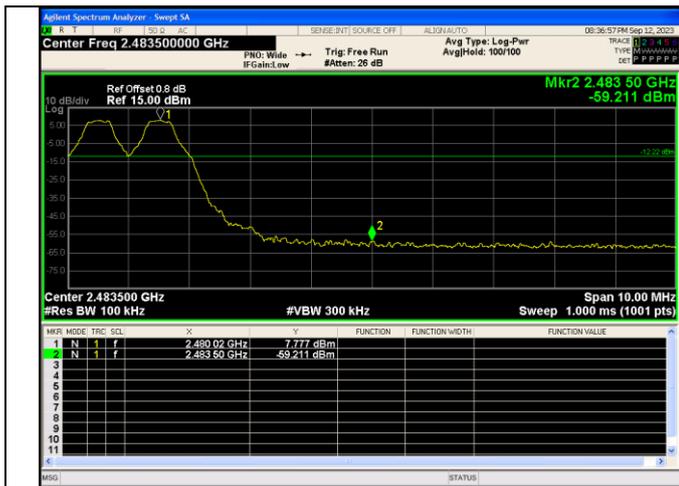
**Spurious Emission  
8DPSK 3-DH5 Channel 78**



**Out Of Band Emission(Left)  
GFSK DH5 Channel Hopping**



**Out Of Band Emission(Left)  
π/4DQPSK 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

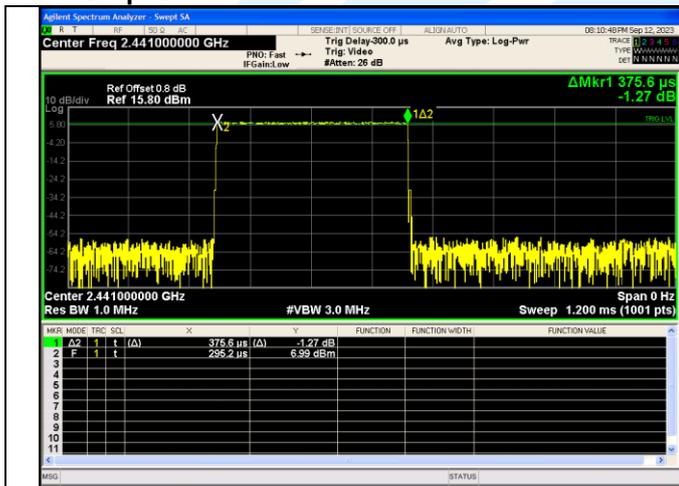


Out Of Band Emission(Right)  
8DPSK\_3-DH5\_Channel Hopping

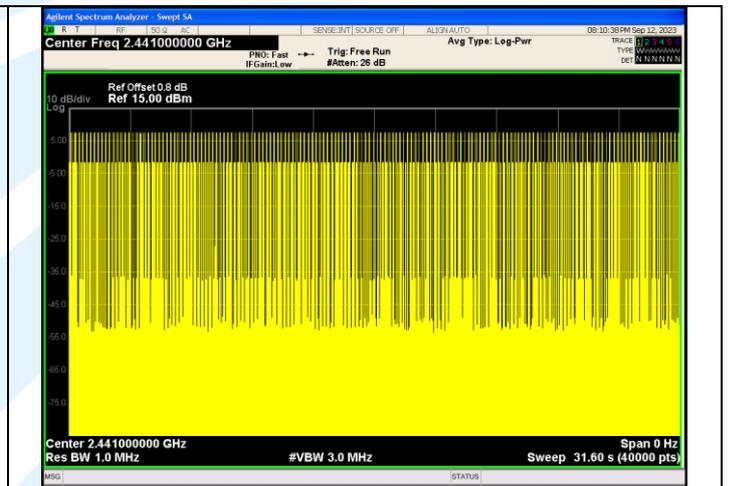
### A.5 DWELL TIME

| 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           | 311                              | 116.81          | < 400      | PASS   |
|            | DH3    |                   | 1.632            | 159                              | 259.49          |            | PASS   |
|            | DH5    |                   | 2.880            | 110                              | 316.8           |            | PASS   |
| π/4DQPSK   | 2-DH1  |                   | 0.3828           | 305                              | 116.75          |            | PASS   |
|            | 2-DH3  |                   | 1.632            | 158                              | 257.86          |            | PASS   |
|            | 2-DH5  |                   | 2.880            | 113                              | 325.44          |            | PASS   |
| 8DPSK      | 3-DH1  |                   | 0.3840           | 304                              | 116.74          |            | PASS   |
|            | 3-DH3  |                   | 1.632            | 159                              | 259.49          |            | PASS   |
|            | 3-DH5  |                   | 2.880            | 99                               | 285.12          |            | PASS   |

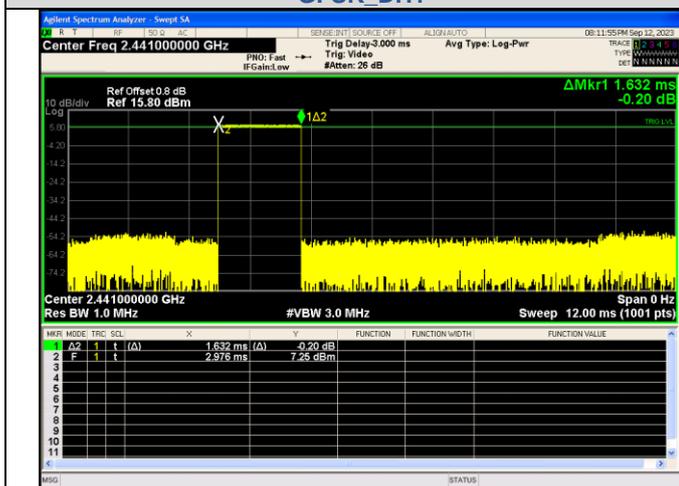
#### Test Graphs



**Pulse Width  
GFSK\_DH1**



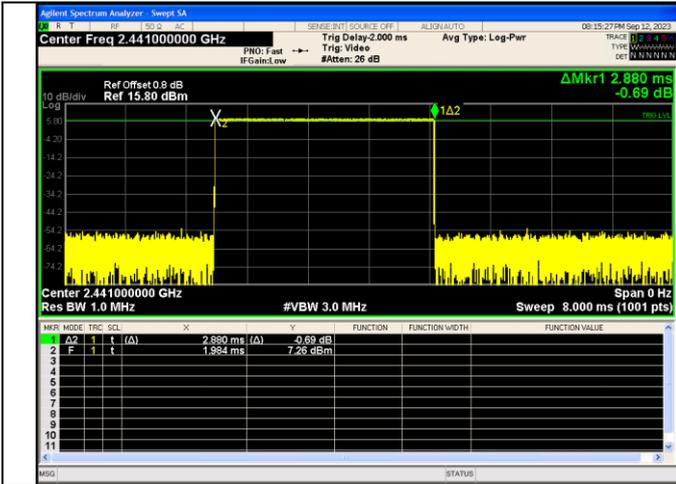
**Number of Pulses in 31.6 seconds  
GFSK\_DH1**



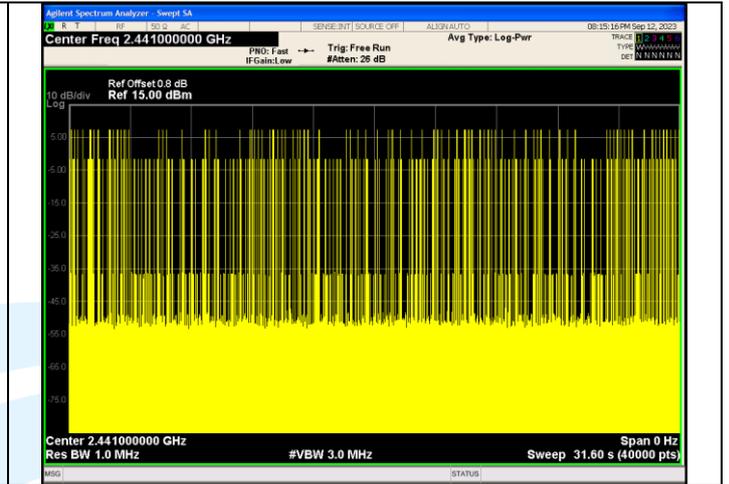
**Pulse Width  
GFSK\_DH3**



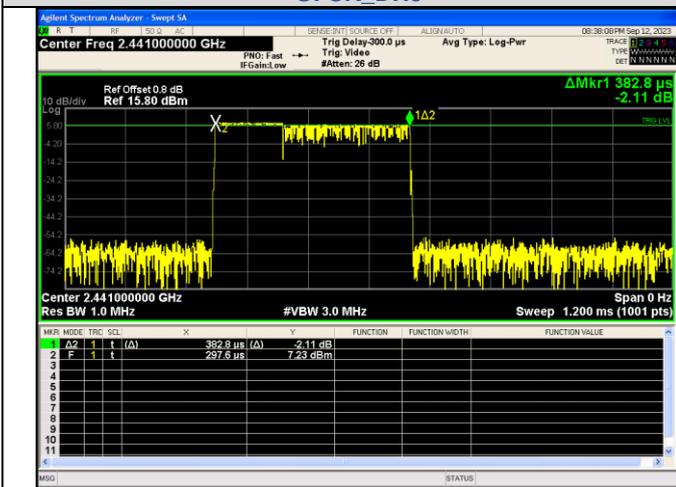
**Number of Pulses in 31.6 seconds  
GFSK\_DH3**



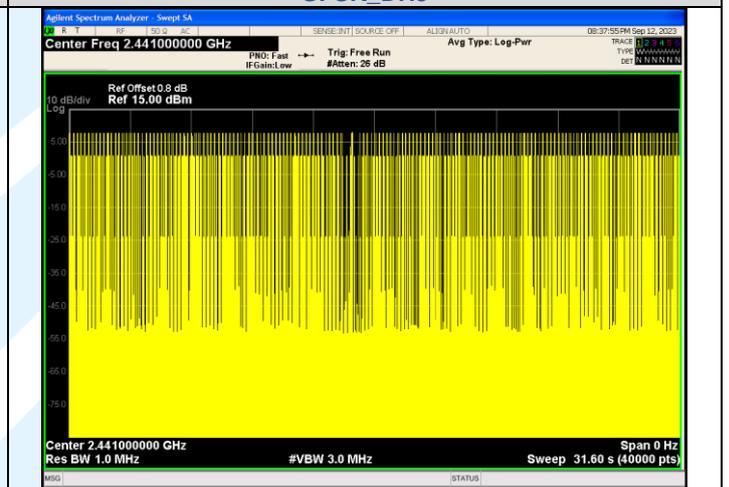
Pulse Width  
GFSK\_DH5



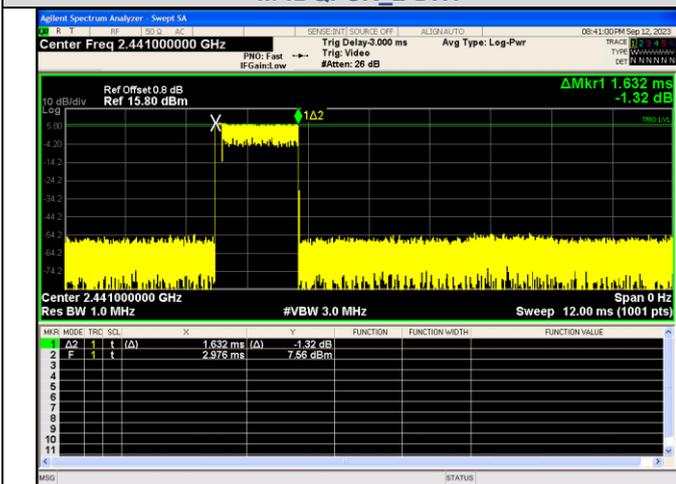
Number of Pulses in 31.6 seconds  
GFSK\_DH5



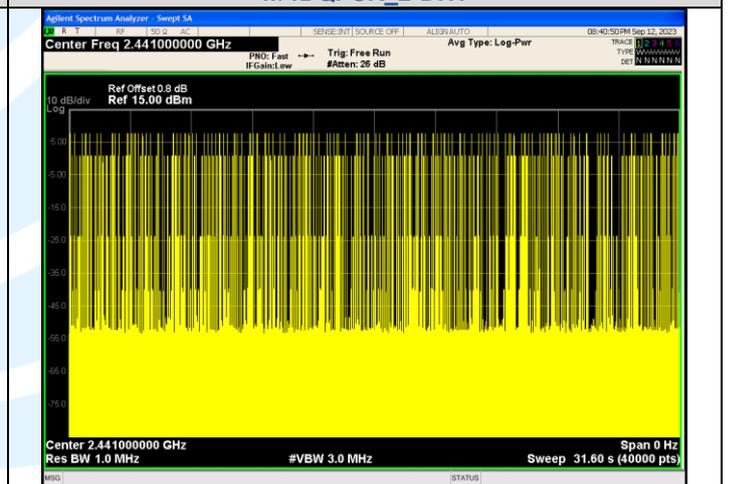
Pulse Width  
 $\pi/4$ DQPSK\_2-DH1



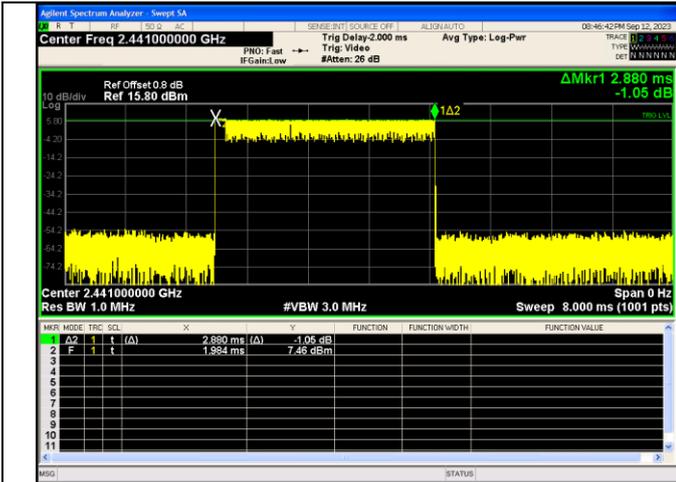
Number of Pulses in 31.6 seconds  
 $\pi/4$ DQPSK\_2-DH1



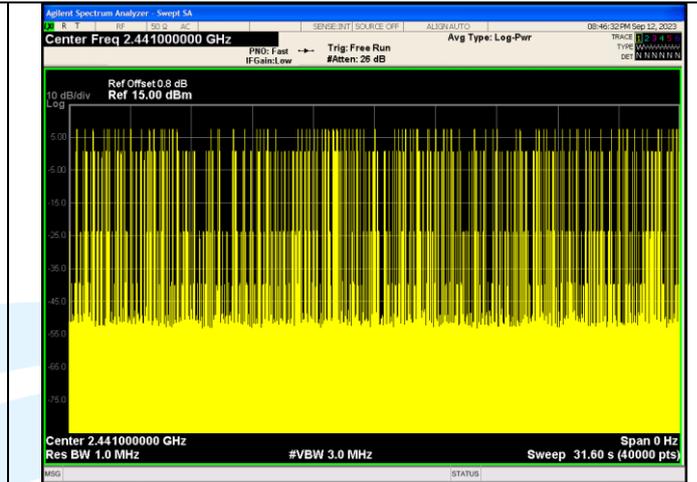
Pulse Width  
 $\pi/4$ DQPSK\_2-DH3



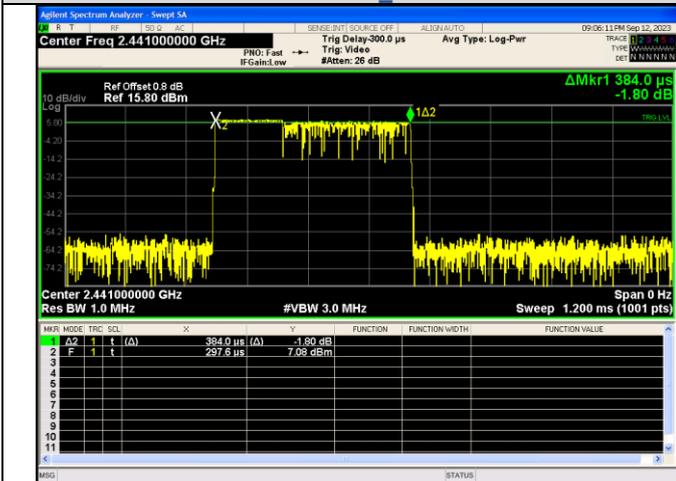
Number of Pulses in 31.6 seconds  
 $\pi/4$ DQPSK\_2-DH3



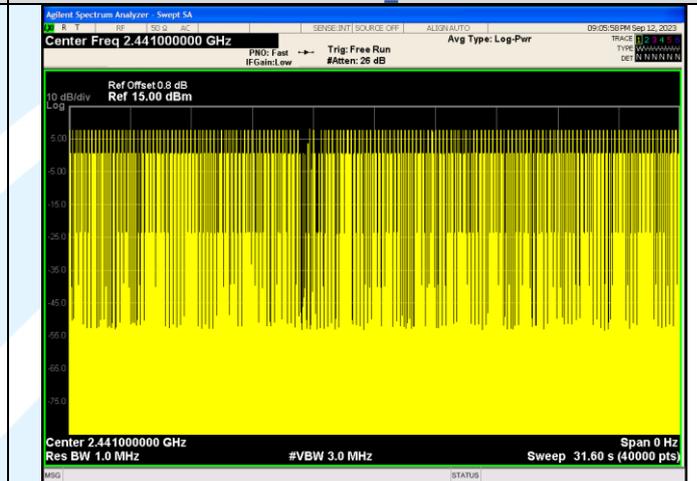
Pulse Width  
 $\pi/4$ DQPSK 2-DH5



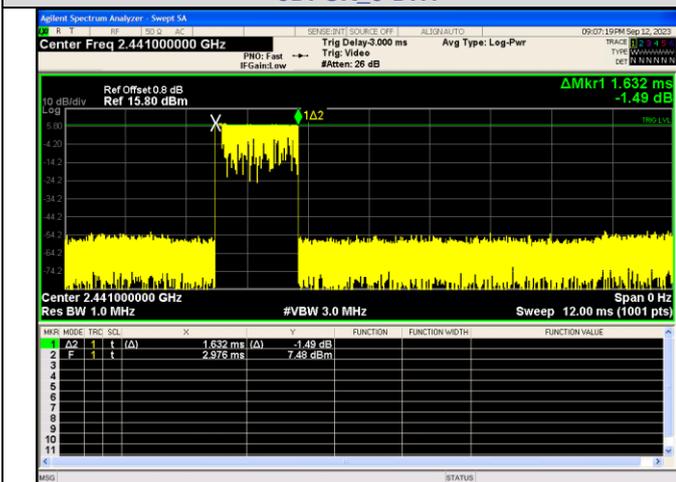
Number of Pulses in 31.6 seconds  
 $\pi/4$ DQPSK 2-DH5



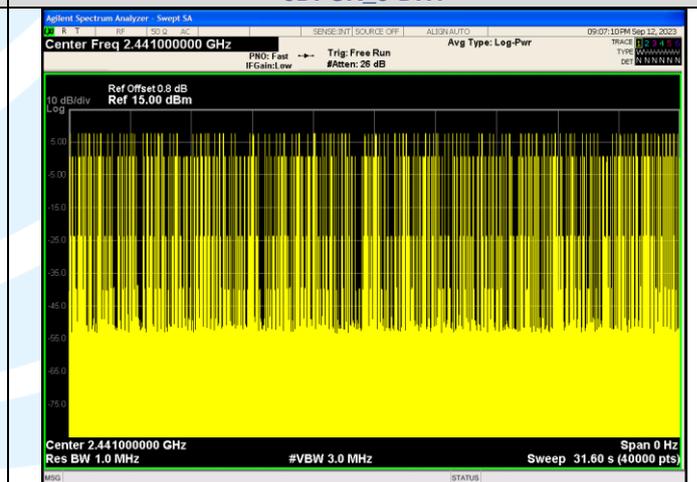
Pulse Width  
8DPSK 3-DH1



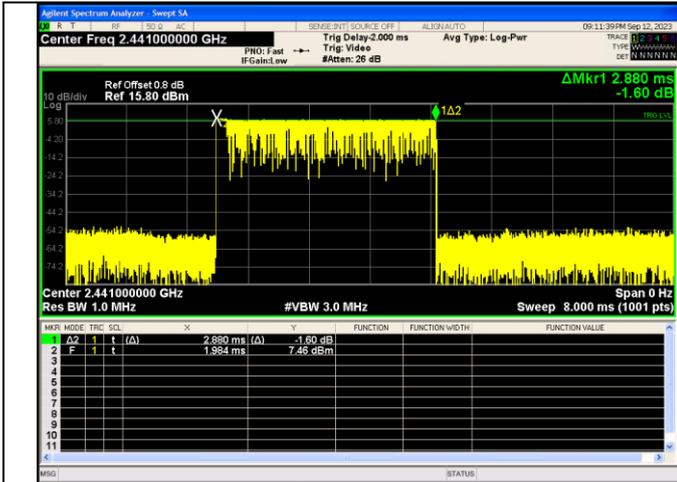
Number of Pulses in 31.6 seconds  
8DPSK 3-DH1



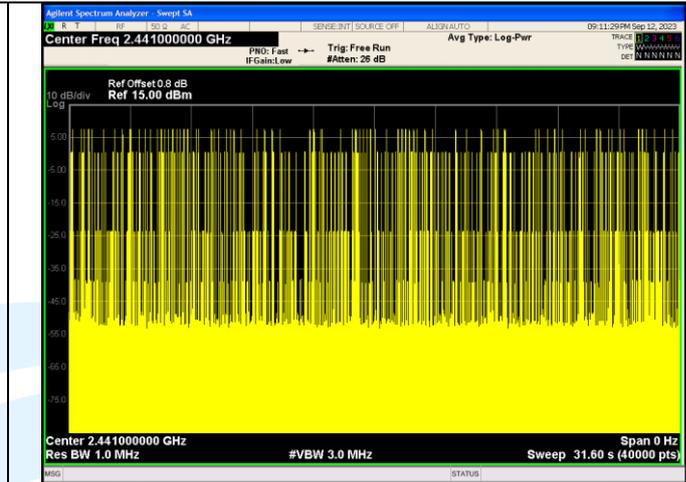
Pulse Width  
8DPSK 3-DH3



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**

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E-mail: info@uttlab.com

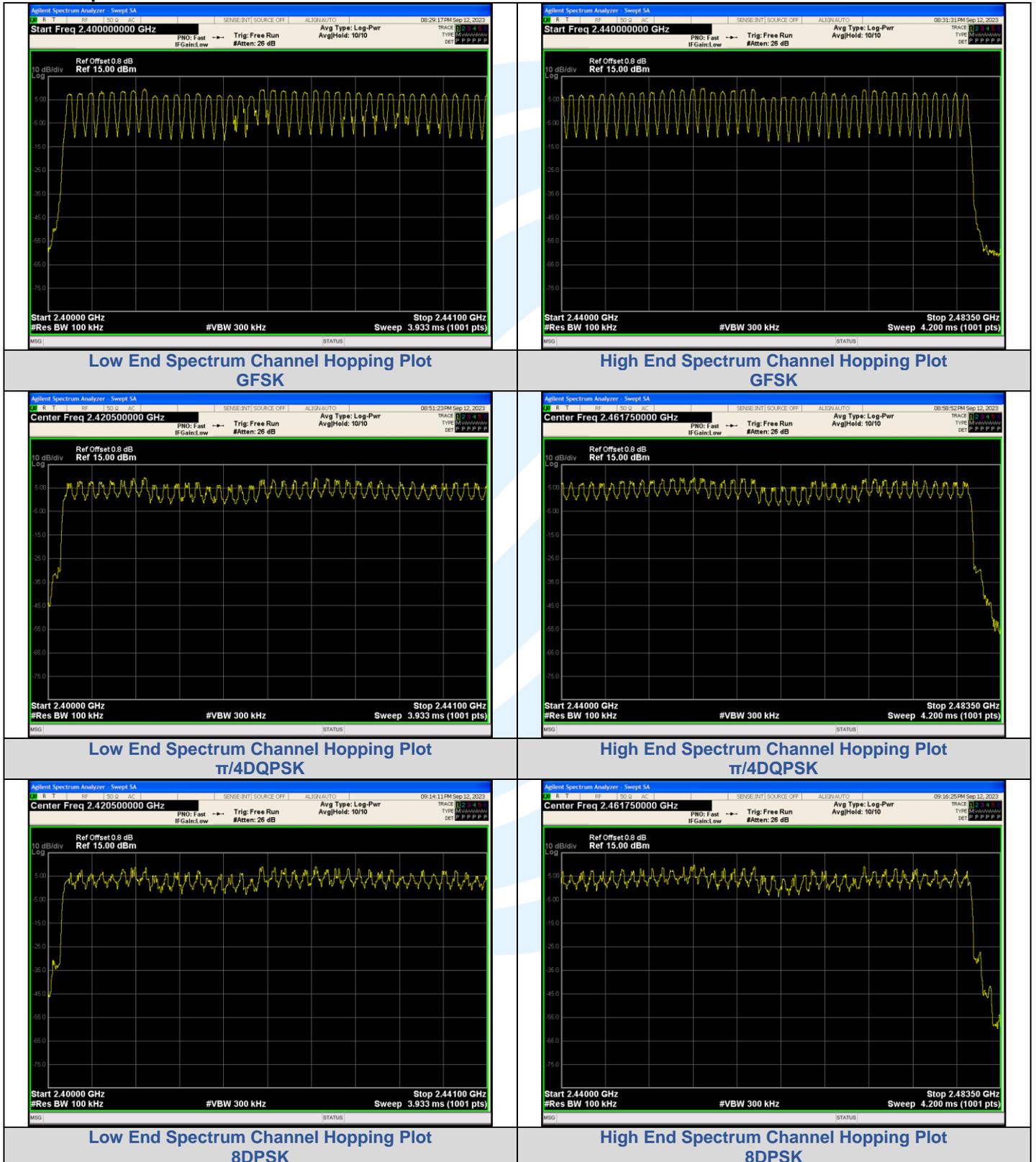
<http://www.uttlab.com>

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## A.6 NUMBER OF HOPPING CHANNEL

| 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



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## APPENDIX 1 PHOTOS OF TEST SETUP

See test photos attached in Appendix 1 for the actual connections between Product and support equipment.

## APPENDIX 2 PHOTOS OF EUT CONSTRUCTIONAL DETAILS

Refer to Appendix 2 for EUT external and internal photos.

\*\*\* End of Report \*\*\*

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