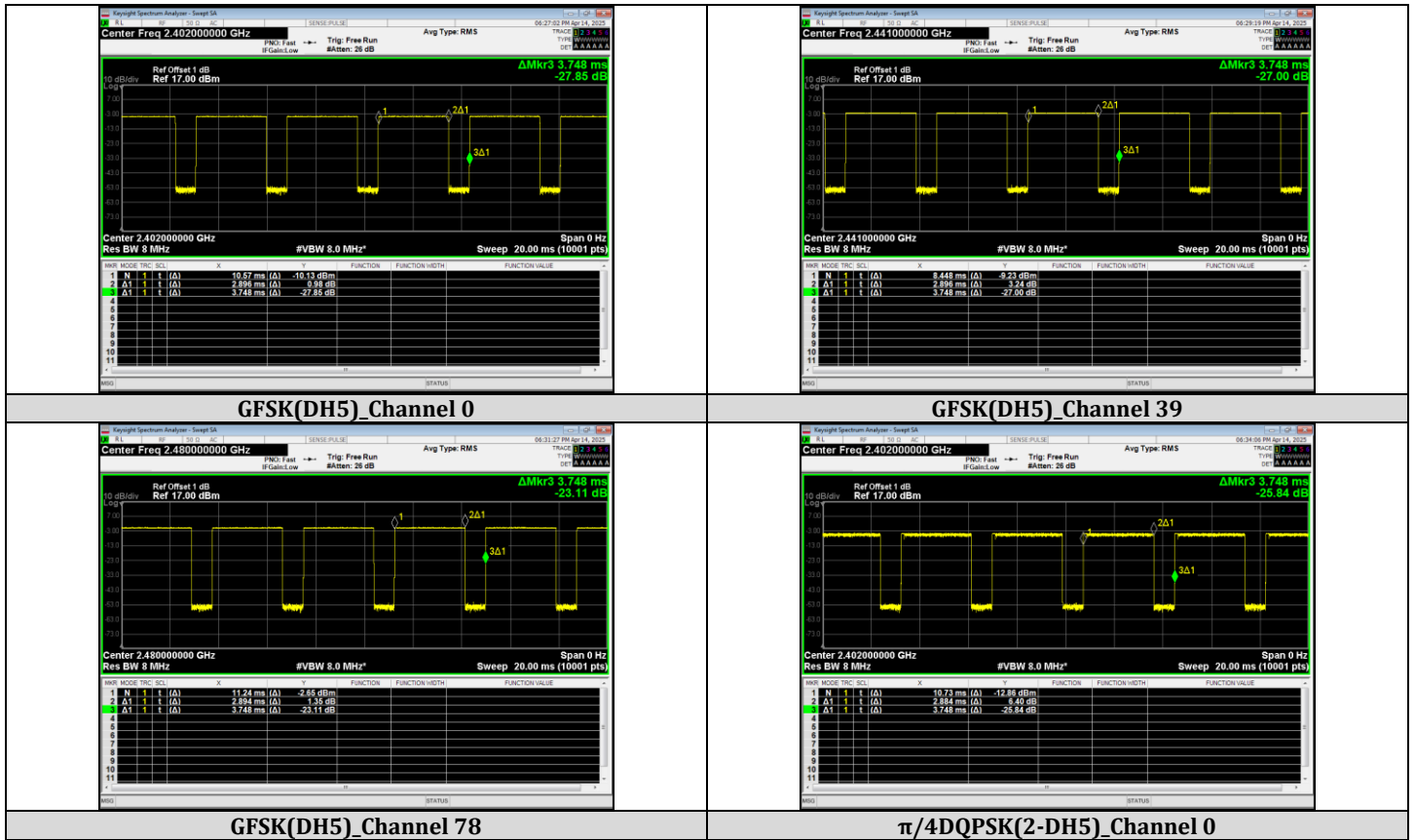
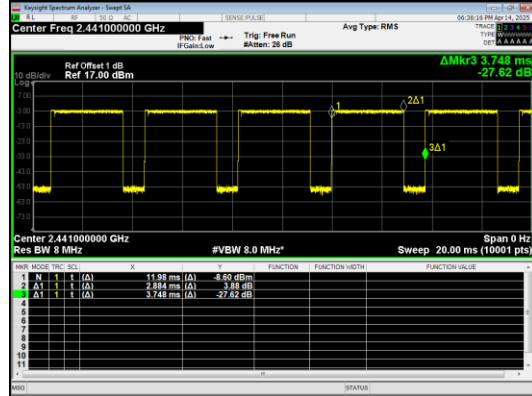
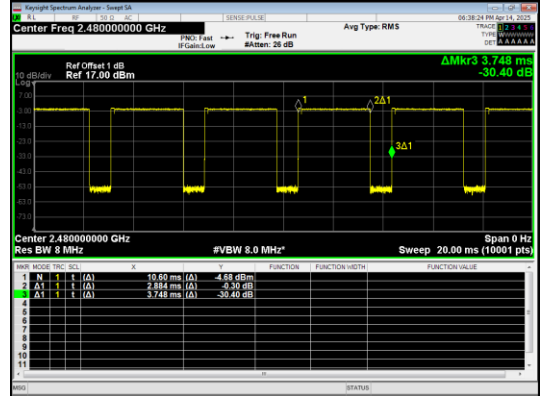
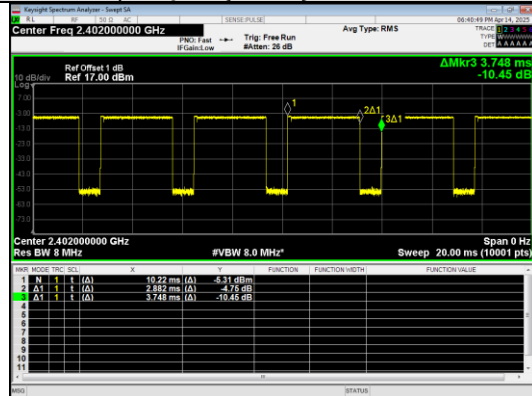


Duty Cycle Test Result

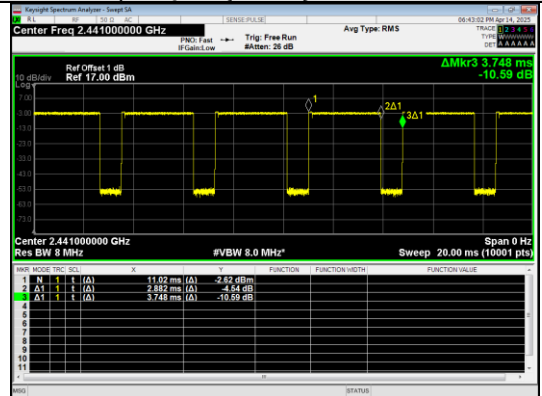
Modulation	Packets	Channel	On Time (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle (linear)	Duty Cycle Factor (dB)	1/T
GFSK	DH5	0	2.896	3.748	77.27	0.7727	1.1199	0.3453
		39	2.896	3.748	77.27	0.7727	1.1199	0.3453
		78	2.894	3.748	77.21	0.7721	1.1233	0.3455
$\pi/4$ DQPSK	2-DH5	0	2.884	3.748	76.95	0.7695	1.1379	0.3467
		39	2.884	3.748	76.95	0.7695	1.1379	0.3467
		78	2.884	3.748	76.95	0.7695	1.1379	0.3467
8DPSK	3-DH5	0	2.882	3.748	76.89	0.7689	1.1413	0.3470
		39	2.882	3.748	76.89	0.7689	1.1413	0.3470
		78	2.882	3.748	76.89	0.7689	1.1413	0.3470

Test Graphs

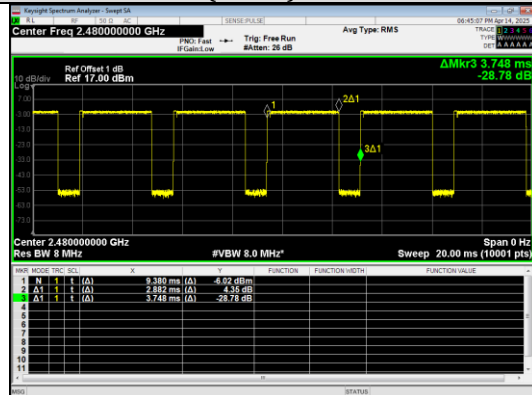



 $\pi/4$ DQPSK(2-DH5)_Channel 39

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


8DPSK(3-DH5)_Channel 0



8DPSK(3-DH5)_Channel 39



8DPSK(3-DH5)_Channel 78

Conducted Output Power

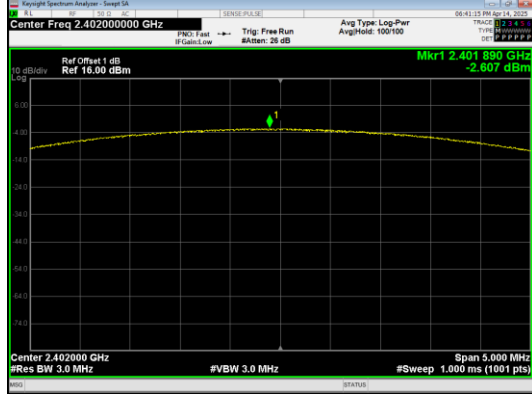
Test Result

Modulation	Packet Type	Channel	Peak Output Power (dBm)	Limit (dBm)	Result
GFSK	DH5	0	-4.42	≤30	PASS
		39	-2.14		PASS
		78	-0.67		PASS
$\pi/4$ DQPSK	2-DH5	0	-2.69	≤20.97	PASS
		39	-0.37		PASS
		78	0.94		PASS
8DPSK	3-DH5	0	-2.61		PASS
		39	0.06		PASS
		78	1.63		PASS

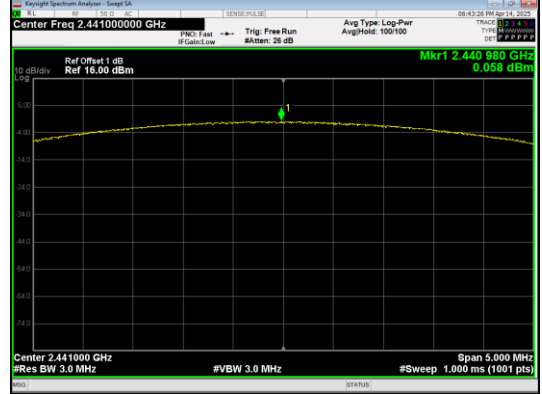
Test Graphs



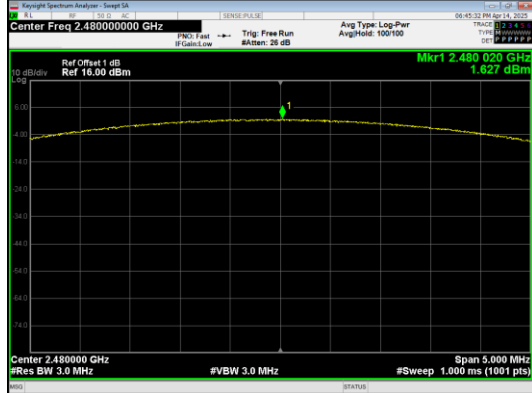
Peak Output Power $\pi/4$ DQPSK_Channel 39



Peak Output Power $\pi/4$ DQPSK_Channel 78



Peak Output Power 8DPSK_Channel 0



Peak Output Power 8DPSK_Channel 39

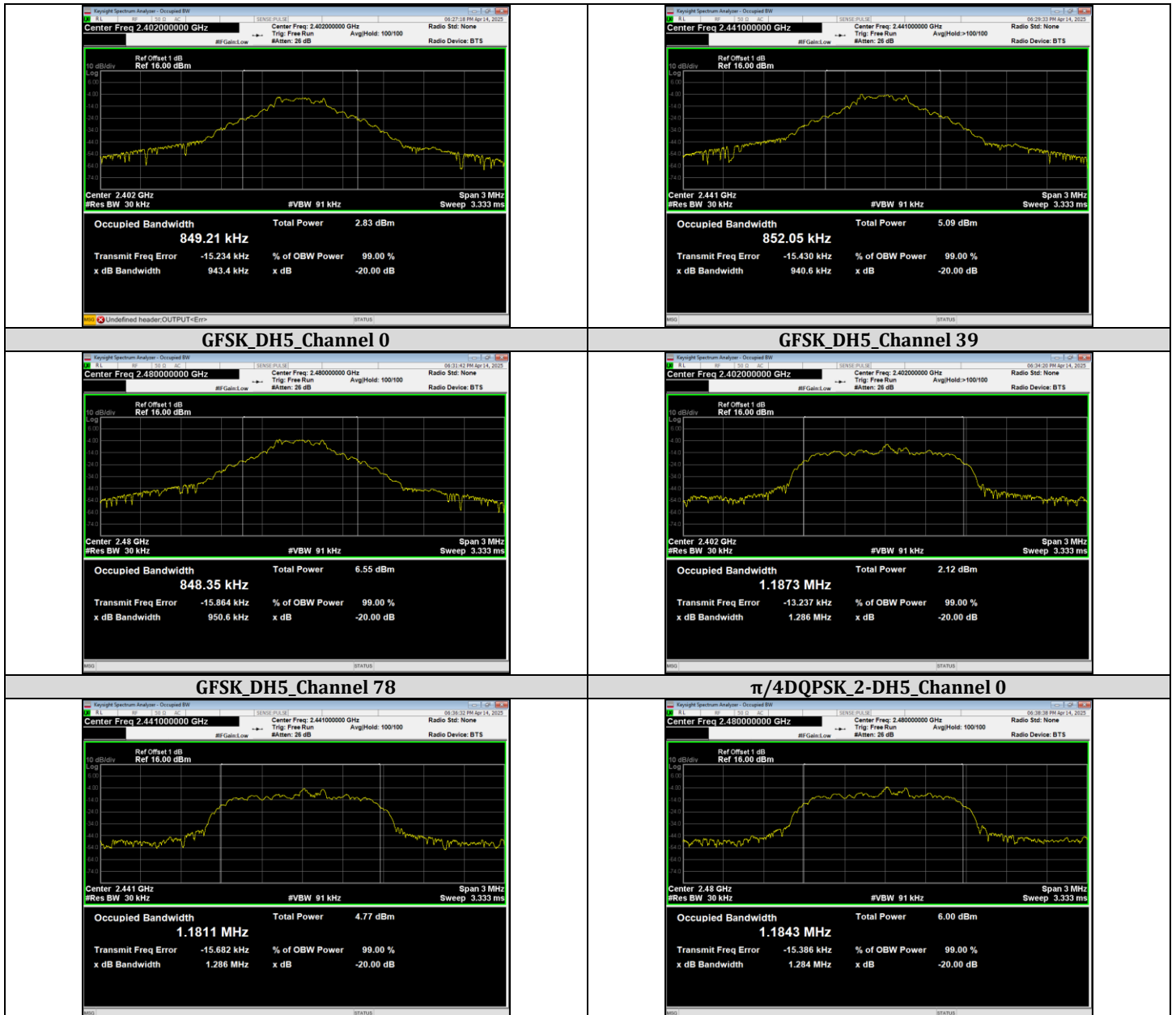
Peak Output Power 8DPSK_Channel 78

20dB Bandwidth

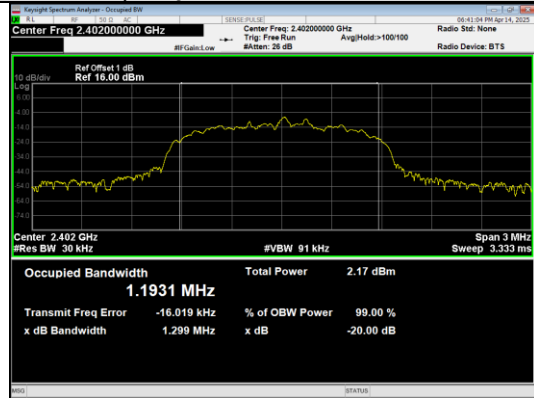
Test Result

Modulation	Channel	Center Frequency (MHz)	20 dB Bandwidth (MHz)
GFSK	0	2402 MHz	0.9434
	39	2441 MHz	0.9406
	78	2480 MHz	0.9506
$\pi/4$ DQPSK	0	2402 MHz	1.286
	39	2441 MHz	1.286
	78	2480 MHz	1.284
8DPSK	0	2402 MHz	1.299
	39	2441 MHz	1.300
	78	2480 MHz	1.297

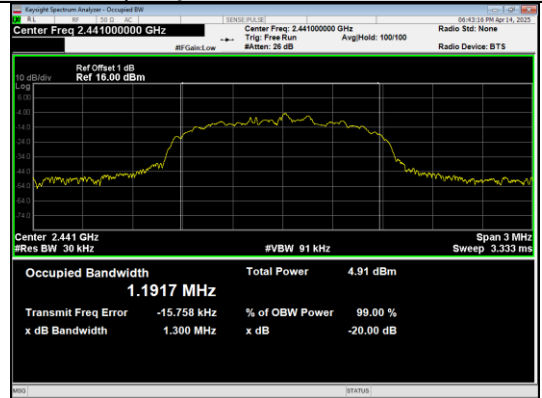
Test Graphs



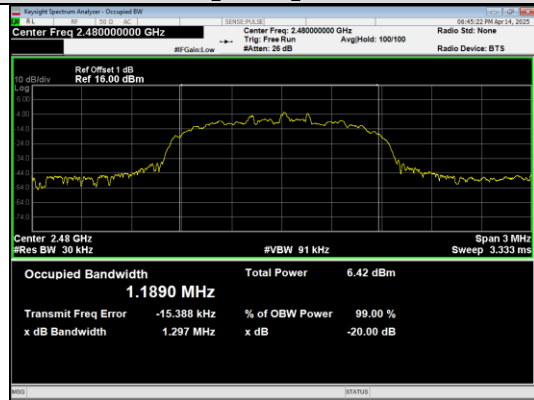
$\pi/4$ DQPSK 2-DH5_Channel 39



$\pi/4$ DQPSK 2-DH5_Channel 78



8DPSK 3-DH5_Channel 0



8DPSK 3-DH5_Channel 39

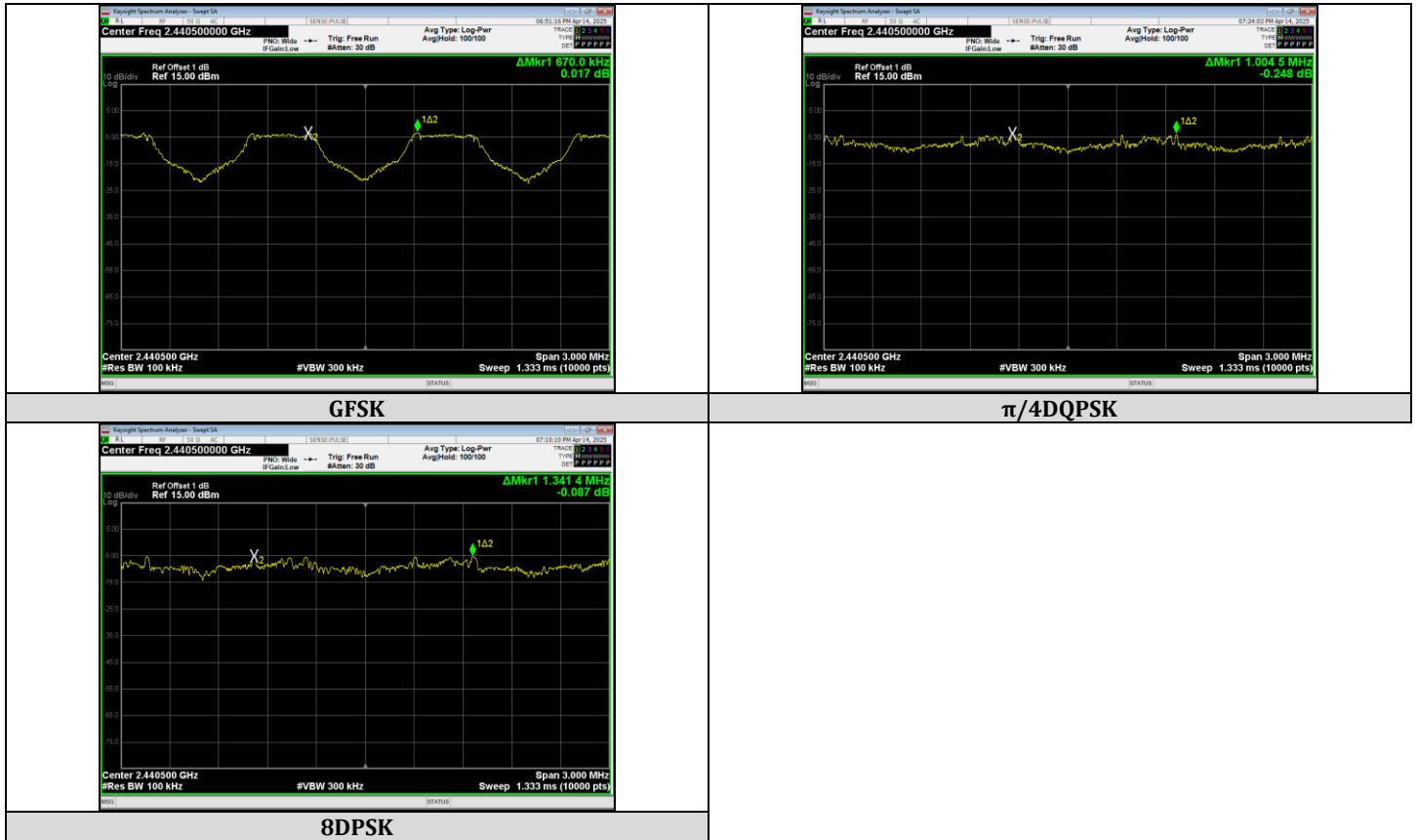
8DPSK 3-DH5_Channel 78

Carrier Frequencies Separation

Test Result

Modulation	Packet	Left Center frequency (MHz)	Right Center frequency (MHz)	Hopping Frequency Separation (MHz)	Limit (MHz)	Result
GFSK	DH5	2440.1503	2440.8203	0.6700	0.634	PASS
$\pi/4$ DQPSK	2-DH5	2440.159	2441.1635	1.0045	0.857	PASS
8DPSK	3-DH5	2439.8176	2441.159	1.3414	0.867	PASS

Test Graphs



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

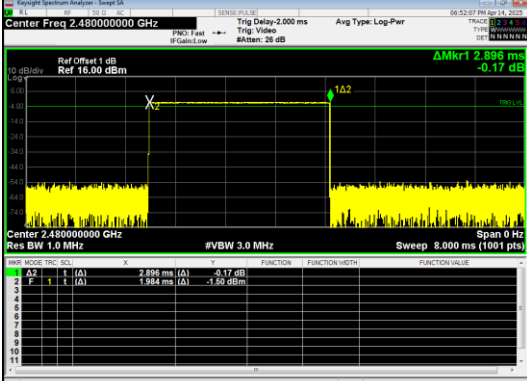
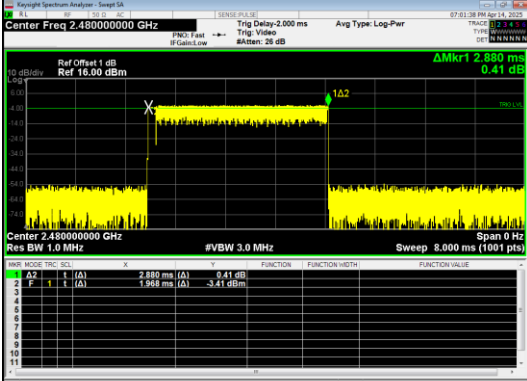
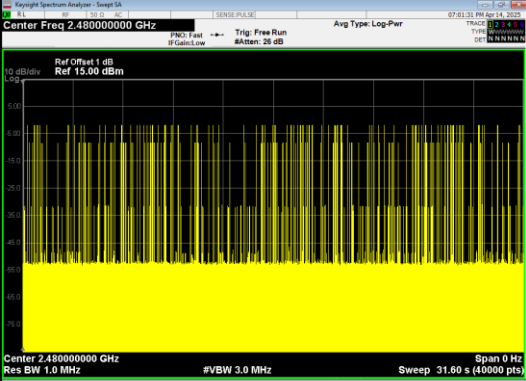
Test Graphs



Dwell Time Test Result

Modulation	Packet	Channel	Pulse Width (ms)	Number of Pulses in 31.6 seconds	Dwell Time (ms)	Limit (ms)	Result
GFSK	DH5	CH78 (2480MHz)	2.896	100	289.6	< 400	PASS
$\pi/4$ DQPSK	2-DH5		2.880	105	302.4		PASS
8DPSK	3-DH5		2.880	111	319.68		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

Conducted Out Of Band Emission

Test Result

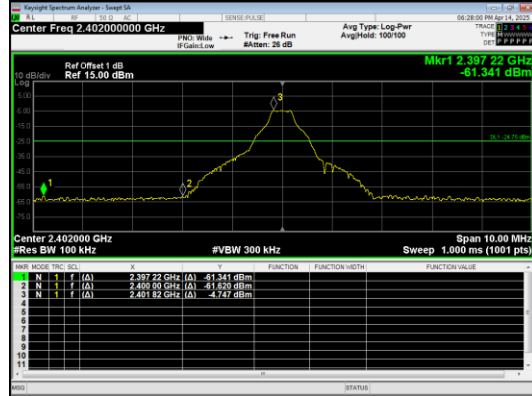
Non-Hopping

Modulation	Packet	Channel	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result
GFSK	DH5	0	2397.22	-61.341	-24.75	-36.591	PASS
			2400.00	-61.620	-24.75	-36.870	PASS
			24930.7	-50.010	-24.75	-25.260	PASS
		39	24970.0	-50.318	-22.42	-27.898	PASS
		78	2483.50	-62.300	-20.96	-41.340	PASS
			24925.1	-49.447	-20.96	-28.487	PASS
$\pi/4$ DQPSK	2-DH5	0	2398.24	-60.811	-24.94	-35.871	PASS
			2400.00	-60.923	-24.94	-35.983	PASS
			24946.3	-48.306	-24.94	-23.366	PASS
		39	24865.2	-49.967	-22.7	-27.267	PASS
		78	2483.50	-62.815	-21.17	-41.645	PASS
			24376.4	-49.550	-21.17	-28.380	PASS
8DPSK	3-DH5	0	2400.00	-61.249	-25.02	-36.229	PASS
			24420.7	-49.725	-25.02	-24.705	PASS
		39	24746.5	-49.781	-22.3	-27.481	PASS
		78	2483.50	-60.348	-20.76	-39.588	PASS
			24988.1	-48.973	-20.76	-28.213	PASS

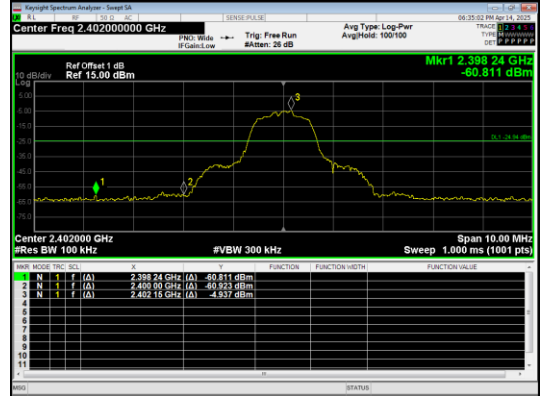
Hopping

Modulation	Packet	Channel	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result
GFSK	DH5	Hopping	2396.15	-60.729	-25.86	-34.869	PASS
			2400.00	-61.827	-25.86	-35.967	PASS
			2483.50	-61.346	-21.44	-39.906	PASS
$\pi/4$ DQPSK	2-DH5		2396.54	-61.251	-27.86	-33.391	PASS
			2400.00	-62.570	-27.86	-34.710	PASS
			2483.50	-62.764	-23.57	-39.194	PASS
8DPSK	3-DH5		2395.41	-60.988	-27.75	-33.238	PASS
			2400.00	-62.582	-27.75	-34.832	PASS
			2483.50	-63.085	-23.54	-39.545	PASS

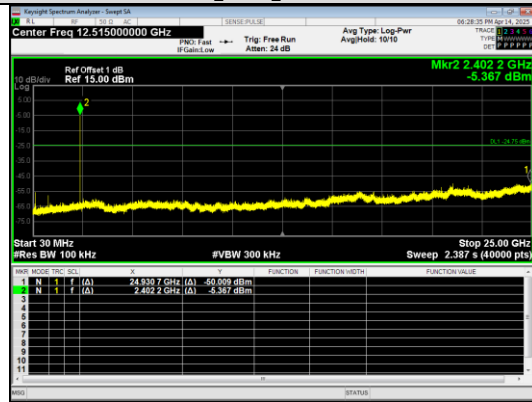
Test Graphs



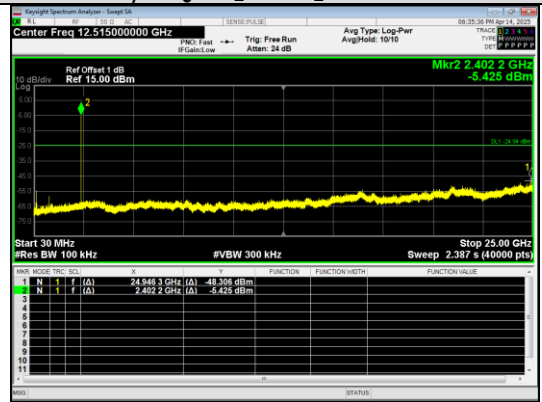
Out Of Band Emission
GFSK_DH5_Channel 0



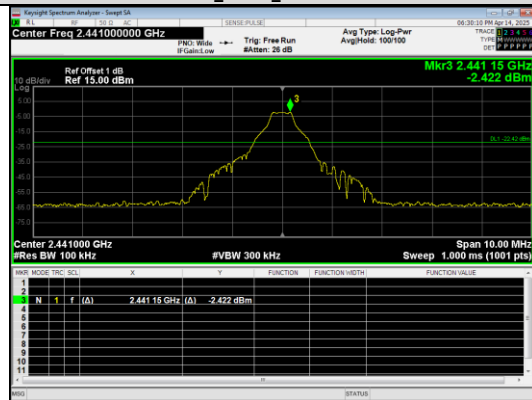
Out Of Band Emission
 $\pi/4$ DQPSK_2-DH5_Channel 0



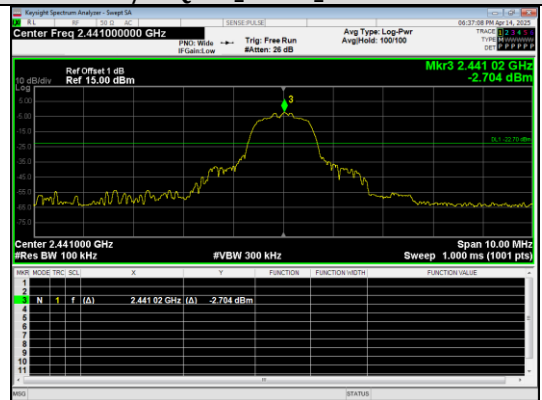
30.0 MHz - 25000.0 MHz
GFSK_DH5_Channel 0



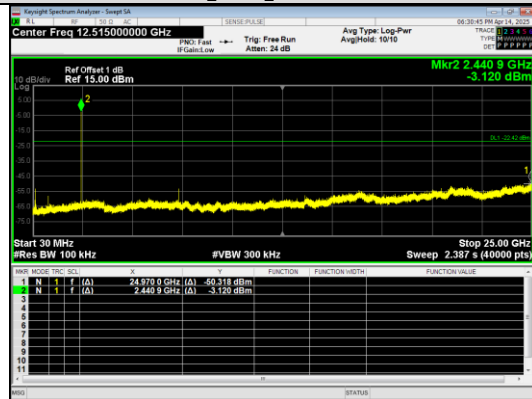
30.0 MHz - 25000.0 MHz
 $\pi/4$ DQPSK_2-DH5_Channel 0



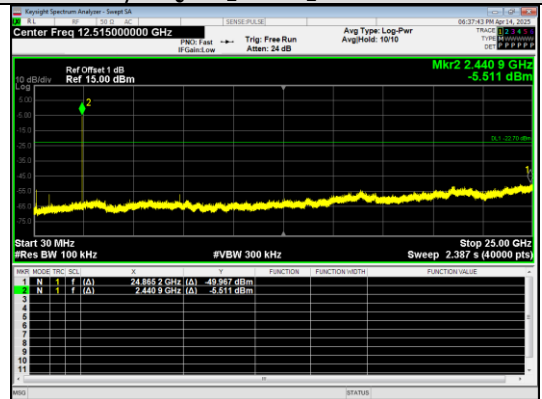
Out Of Band Emission
GFSK_DH5_Channel 39



Out Of Band Emission
 $\pi/4$ DQPSK_2-DH5_Channel 39

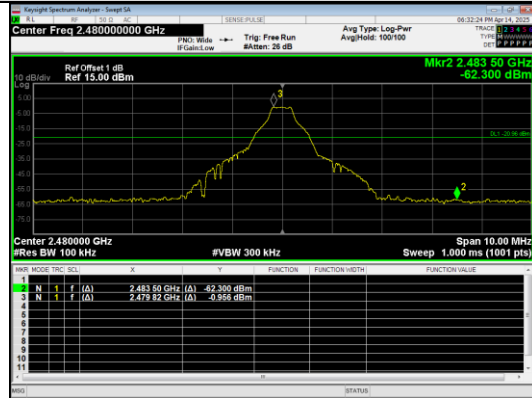


30.0 MHz - 25000.0 MHz

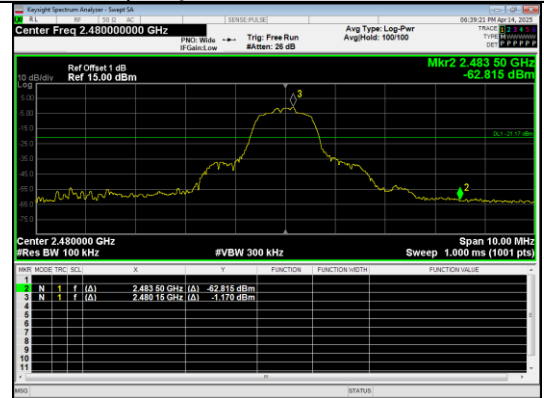


30.0 MHz - 25000.0 MHz

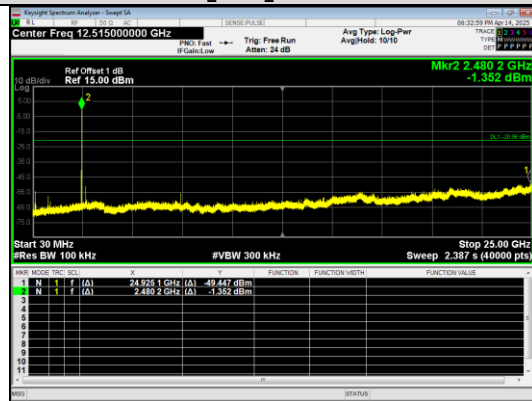
GFSK_DH5_Channel 39



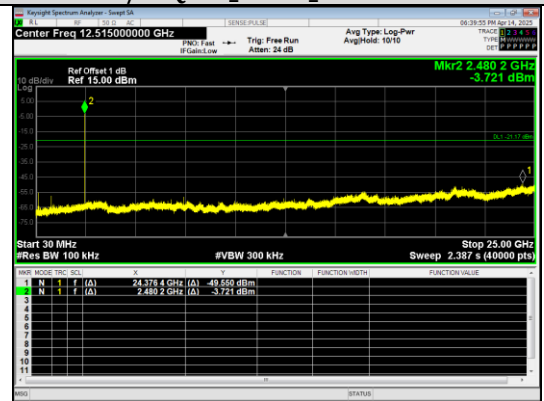
$\pi/4$ DQPSK_2-DH5_Channel 39



Out Of Band Emission GFSK_DH5_Channel 78

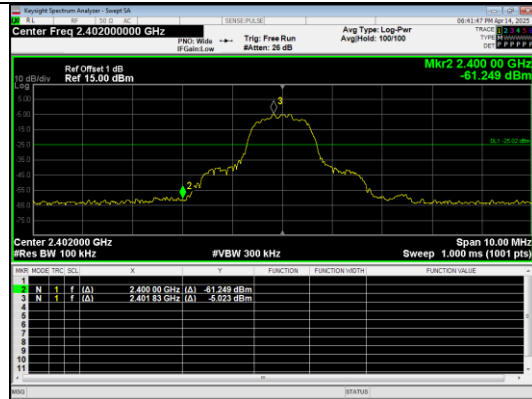


Out Of Band Emission $\pi/4$ DQPSK_2-DH5_Channel 78

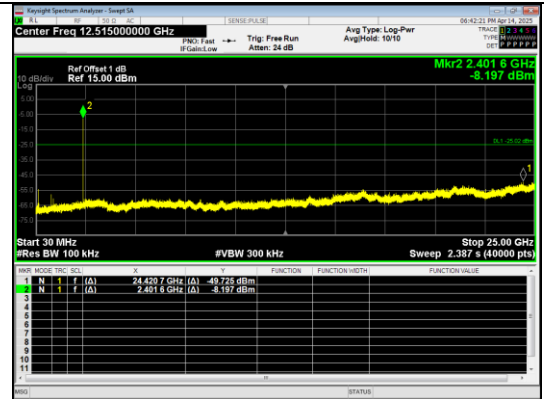


30.0 MHz - 25000.0 MHz GFSK_DH5_Channel 78

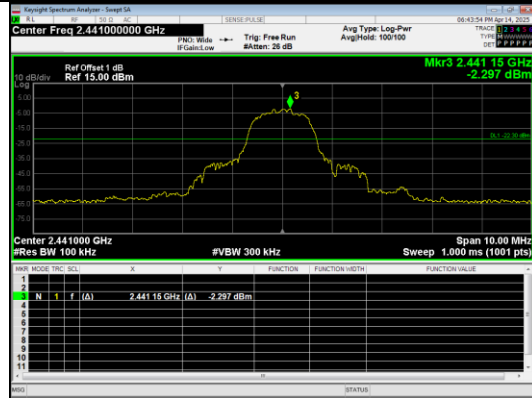
30.0 MHz - 25000.0 MHz $\pi/4$ DQPSK_2-DH5_Channel 78



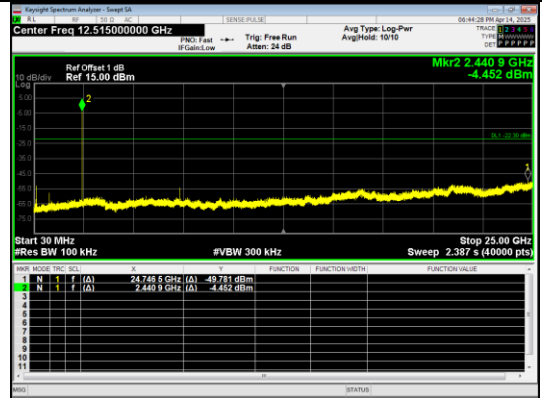
Out Of Band Emission 8DPSK_3-DH5_Channel 0



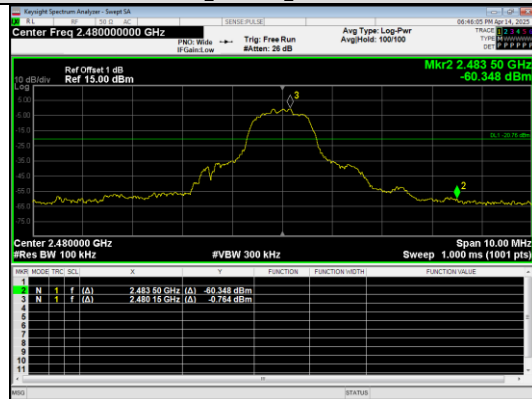
30.0 MHz - 25000.0 MHz 8DPSK_3-DH5_Channel 0



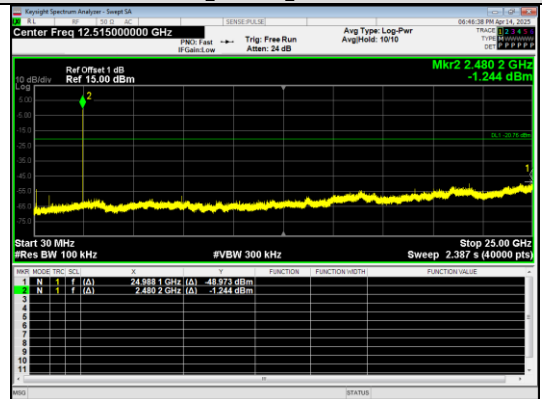
Out Of Band Emission
8DPSK_3-DH5_Channel 39



30.0 MHz - 25000.0 MHz
8DPSK_3-DH5_Channel 39



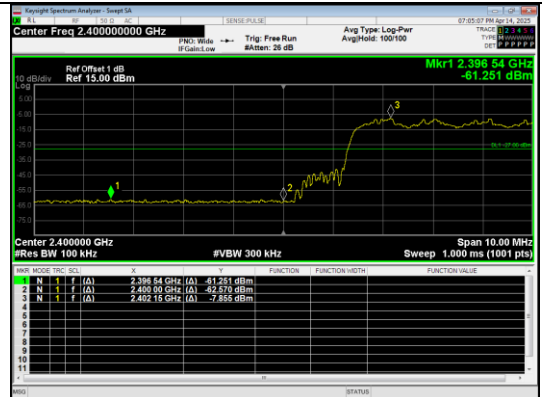
Out Of Band Emission
8DPSK_3-DH5_Channel 78



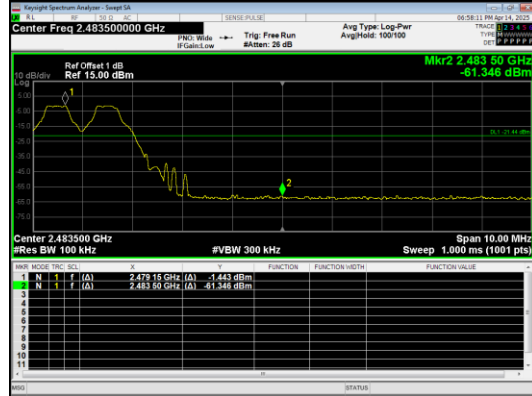
30.0 MHz - 25000.0 MHz
8DPSK_3-DH5_Channel 78



Out Of Band Emission(Left)
GFSK_DH5_Channel Hopping



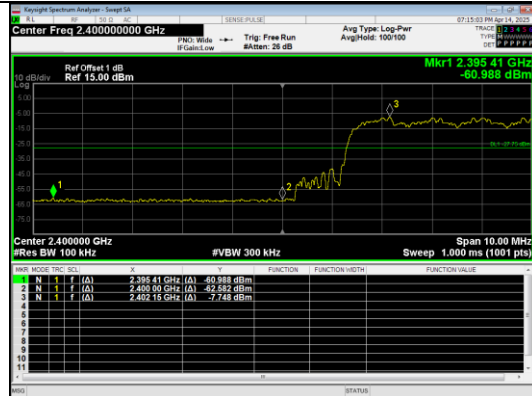
Out Of Band Emission(Left)
 $\pi/4$ DQPSK_2-DH5_Channel Hopping



**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 Report *****