

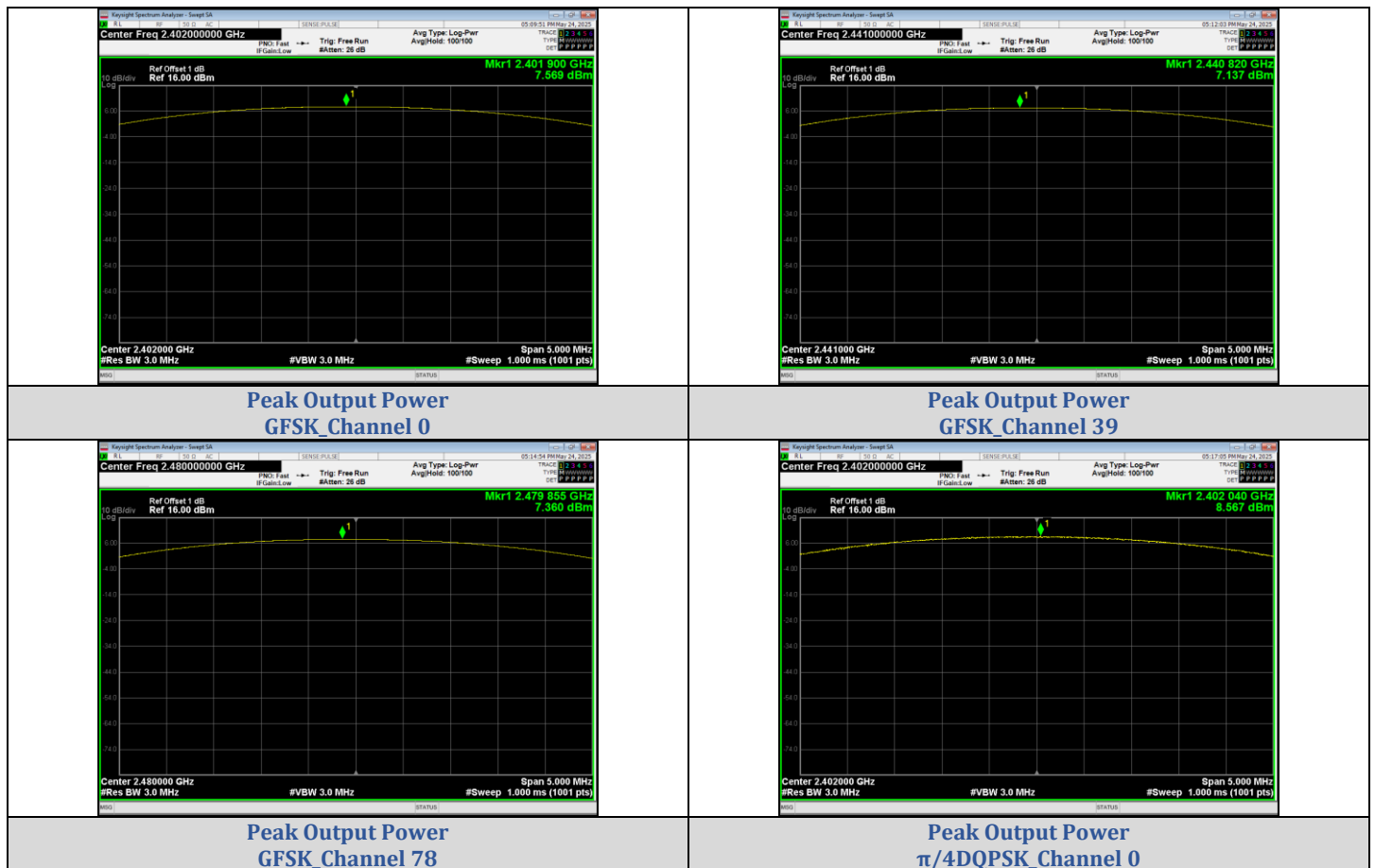


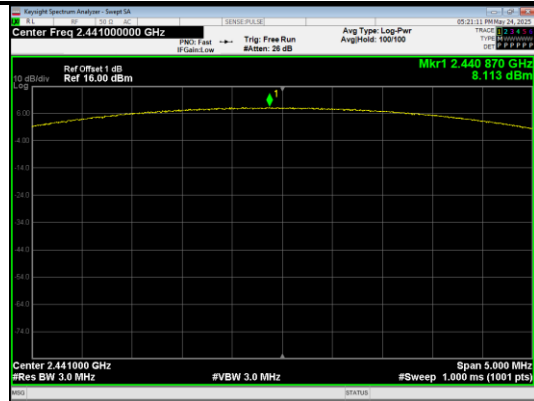
Conducted Output Power

Test Result

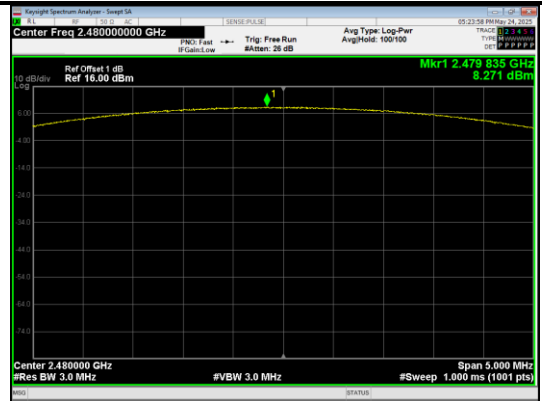
Modulation	Packet Type	Channel	Peak Output Power (dBm)	Peak Output Power (mW)	Limit (dBm)	Result
GFSK	DH5	0	7.57	5.71	≤30	PASS
		39	7.14	5.17		PASS
		78	7.36	5.45		PASS
$\pi/4$ DQPSK	2-DH5	0	8.57	7.19	≤20.97	PASS
		39	8.11	6.48		PASS
		78	8.27	6.72		PASS
8DPSK	3-DH5	0	9.19	8.29		PASS
		39	8.78	7.55		PASS
		78	8.85	7.66		PASS

Test Graphs

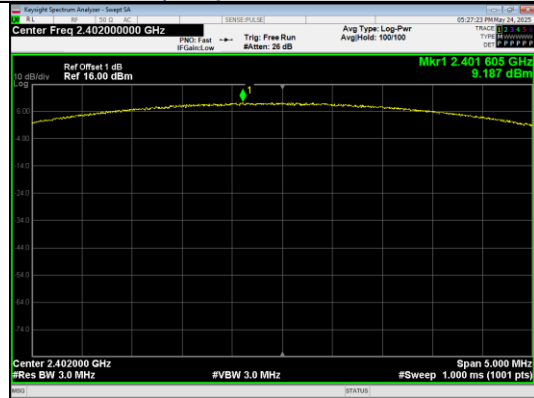




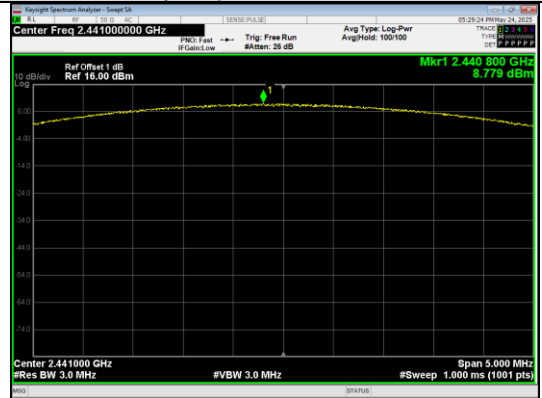
Peak Output Power
 $\pi/4$ DQPSK_Channel 39



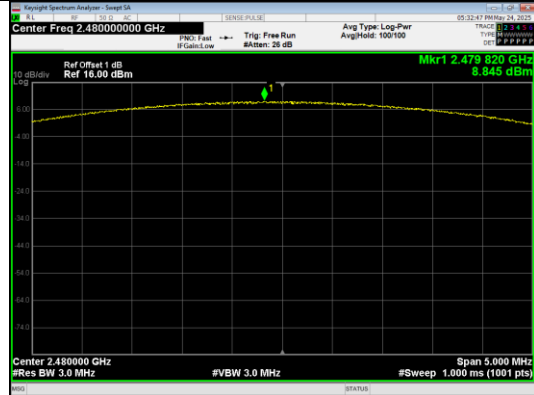
Peak Output Power
 $\pi/4$ DQPSK_Channel 78



Peak Output Power
 8DPSK_Channel 0



Peak Output Power
 8DPSK_Channel 39



Peak Output Power
 8DPSK_Channel 78

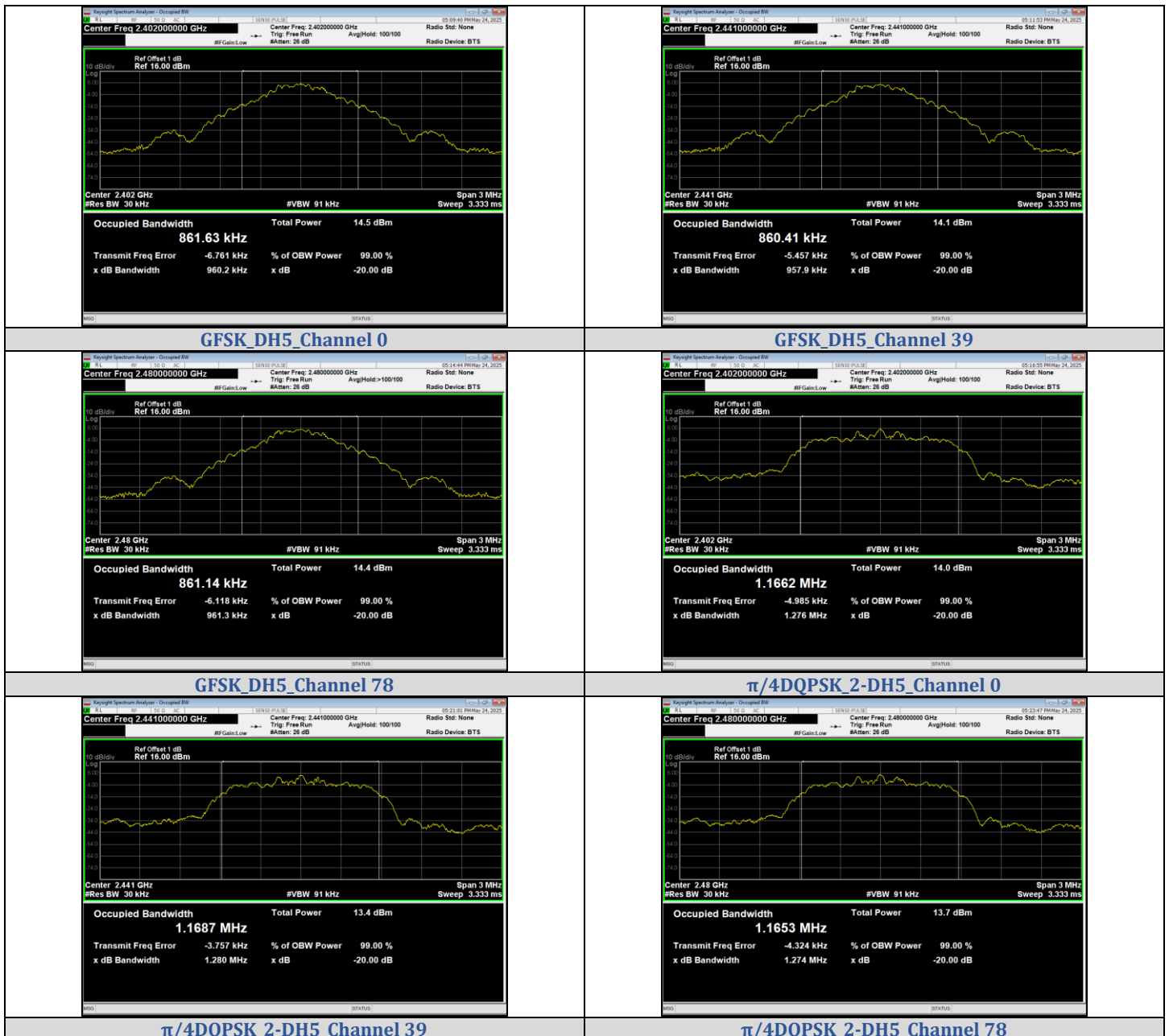


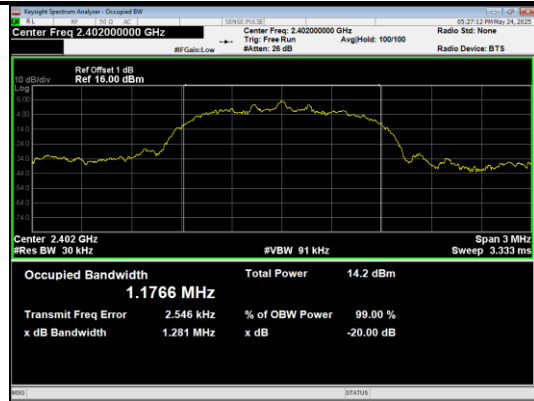
20dB Bandwidth

Test Result

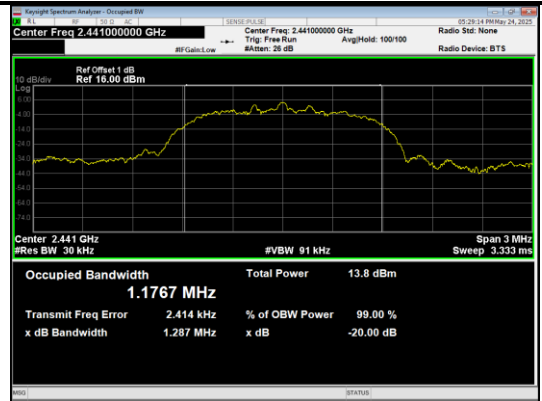
Modulation	Channel	Center Frequency (MHz)	20 dB Bandwidth (MHz)
GFSK	0	2402 MHz	0.9602
	39	2441 MHz	0.9579
	78	2480 MHz	0.9613
$\pi/4$ DQPSK	0	2402 MHz	1.276
	39	2441 MHz	1.280
	78	2480 MHz	1.274
8DPSK	0	2402 MHz	1.281
	39	2441 MHz	1.287
	78	2480 MHz	1.289

Test Graphs

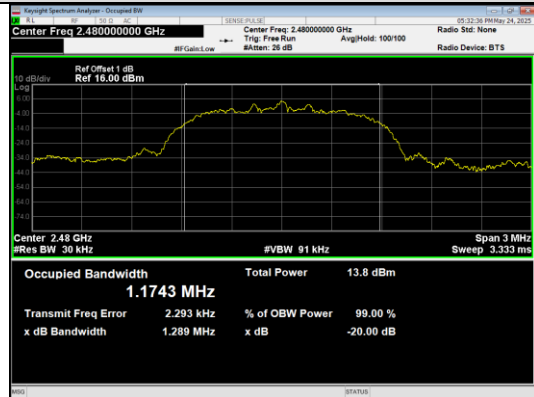




8DPSK_3-DH5_Channel 0



8DPSK_3-DH5_Channel 39



8DPSK_3-DH5_Channel 78

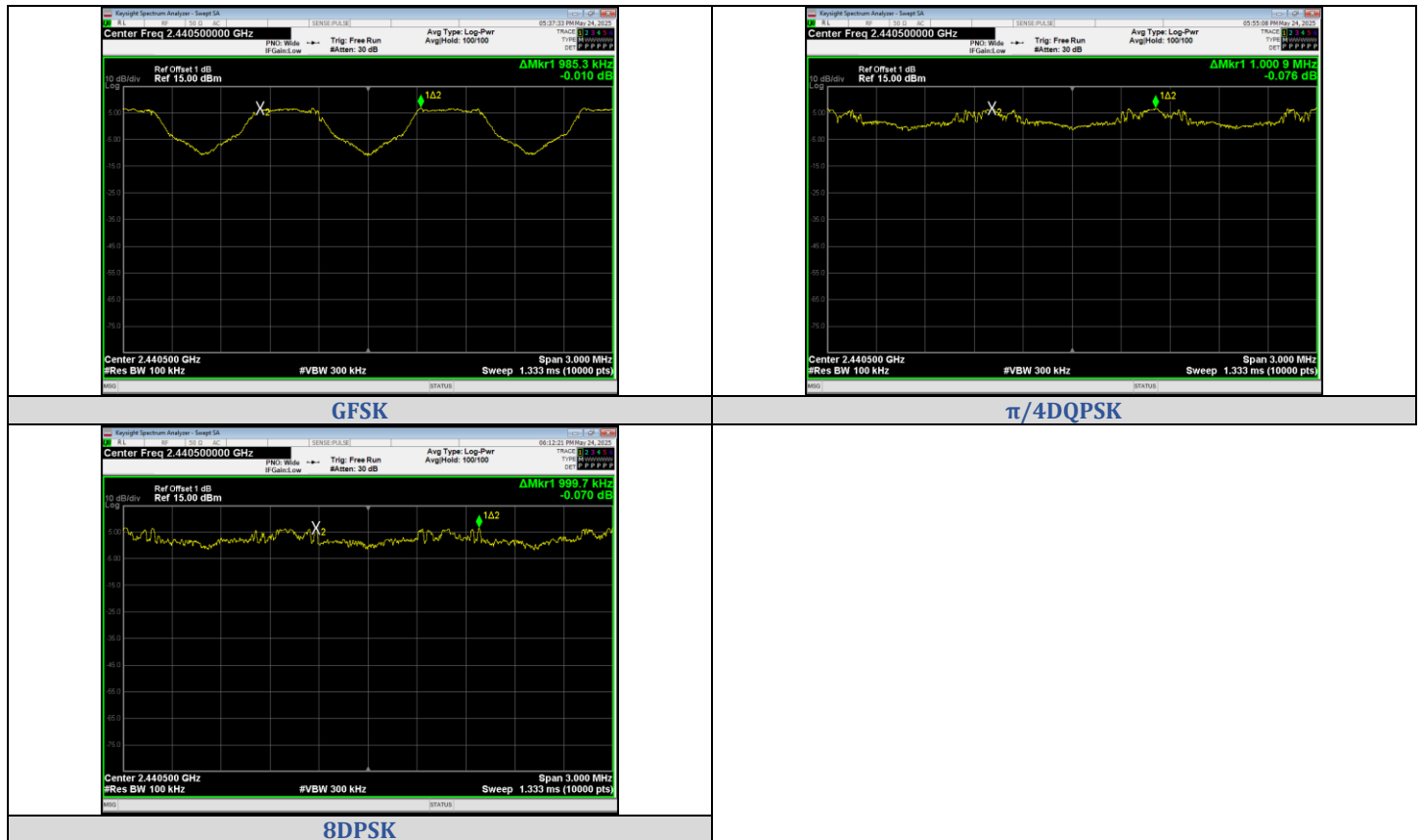


Carrier Frequencies Separation

Test Result

Modulation	Packet	Left Center frequency (MHz)	Right Center frequency (MHz)	Hopping Frequency Separation (MHz)	Limit (MHz)	Result
GFSK	DH5	2439.8383	2440.8236	0.9853	0.641	PASS
$\pi/4$ DQPSK	2-DH5	2440.009	2441.0099	1.0009	0.853	PASS
8DPSK	3-DH5	2440.1794	2441.1791	0.9997	0.859	PASS

Test Graphs

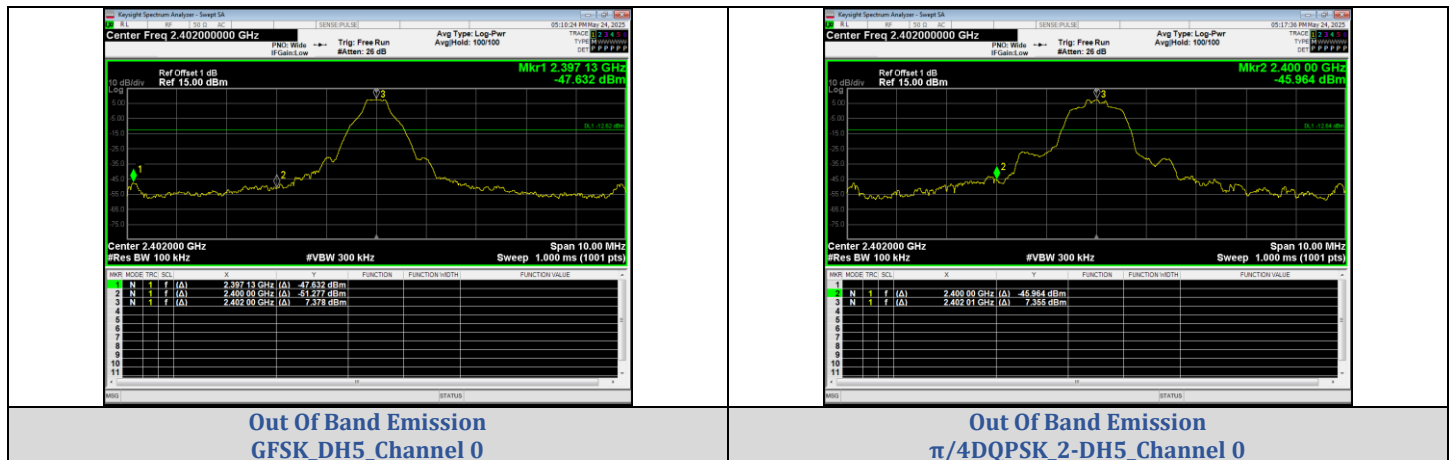


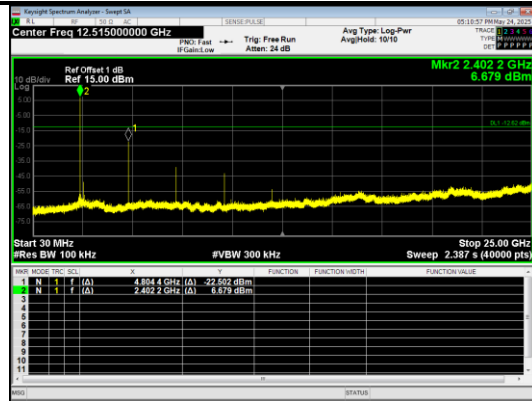
**Conducted Out Of Band Emission****Test Result****Non-Hopping**

Modulation	Packet	Channel	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result
GFSK	DH5	0	2397.13	-47.632	-12.62	-35.012	PASS
			2400.00	-51.277	-12.62	-38.657	PASS
			4804.40	-22.502	-12.62	-9.882	PASS
		39	4882.42	-22.776	-13.2	-9.576	PASS
		78	2483.50	-56.666	-12.86	-43.806	PASS
			4959.83	-23.758	-12.86	-10.898	PASS
$\pi/4$ DQPSK	2-DH5	0	2400.00	-45.964	-12.64	-33.324	PASS
			4803.76	-23.809	-12.64	-11.169	PASS
		39	4881.79	-27.989	-13.23	-14.759	PASS
			2483.50	-54.808	-12.99	-41.818	PASS
		78	4960.45	-24.587	-12.99	-11.597	PASS
			2483.50	-56.666	-12.86	-43.806	PASS
8DPSK	3-DH5	0	2400.00	-36.853	-12.69	-24.163	PASS
			4803.76	-24.440	-12.69	-11.750	PASS
		39	4881.79	-24.718	-13.27	-11.448	PASS
			2483.50	-42.982	-12.97	-30.012	PASS
		78	4959.83	-27.540	-12.97	-14.570	PASS
			2483.50	-56.666	-12.86	-43.806	PASS

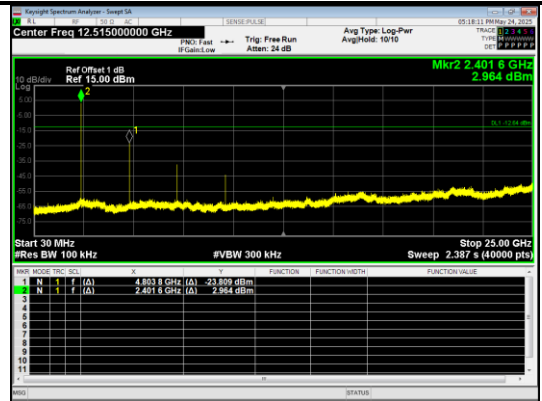
Hopping

Modulation	Packet	Channel	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result	
GFSK	DH5	Hopping	2397.14	-48.277	-12.73	-35.547	PASS	
			2400.00	-52.335	-12.73	-39.605	PASS	
			2483.50	-56.761	-13.02	-43.741	PASS	
$\pi/4$ DQPSK	2-DH5		2400.00	-45.113	-12.65	-32.463	PASS	
			2483.50	-56.116	-13.03	-43.086	PASS	
8DPSK	3-DH5		2400.00	-37.793	-12.65	-25.143	PASS	
			2483.50	-48.756	-12.95	-35.806	PASS	

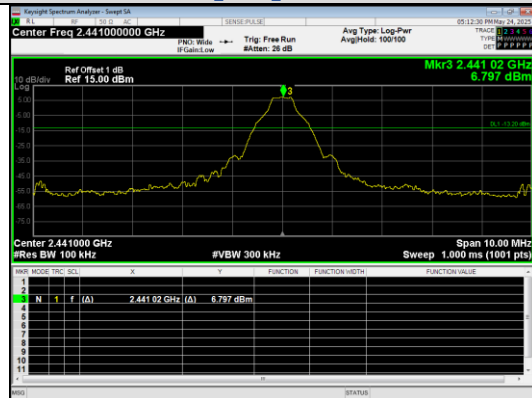
Test Graphs



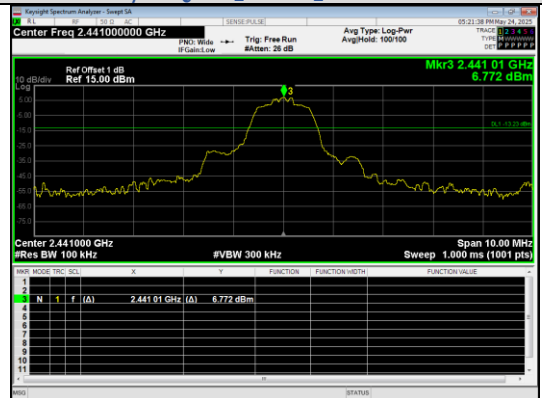
30.0 MHz - 25000.0 MHz
GFSK_DH5_Channel 0



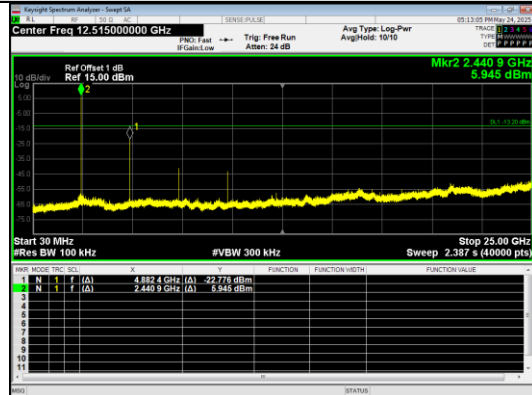
30.0 MHz - 25000.0 MHz
 $\pi/4$ DQPSK_2-DH5_Channel 0



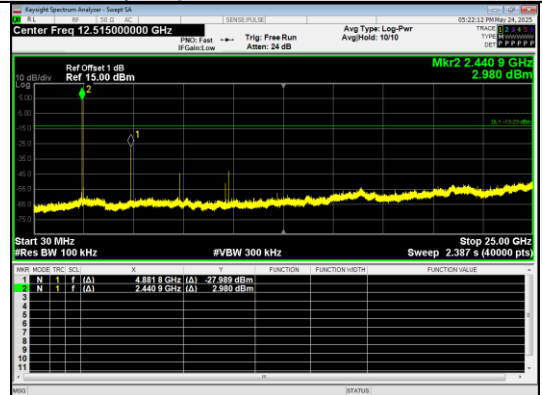
Out Of Band Emission
GFSK_DH5_Channel 39



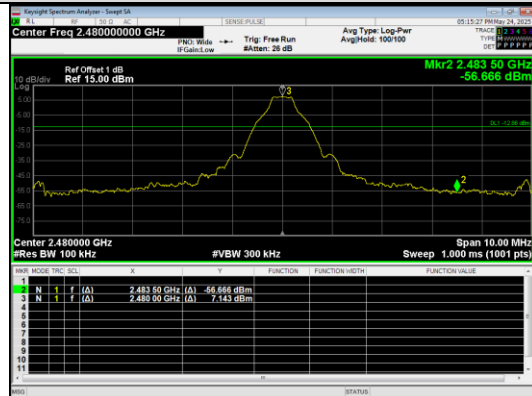
Out Of Band Emission
 $\pi/4$ DQPSK_2-DH5_Channel 39



30.0 MHz - 25000.0 MHz
GFSK_DH5_Channel 39



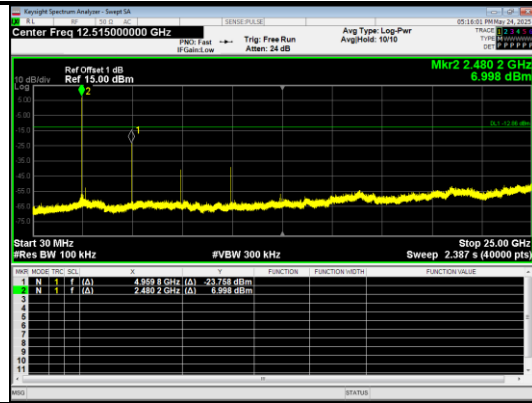
30.0 MHz - 25000.0 MHz
 $\pi/4$ DQPSK_2-DH5_Channel 39



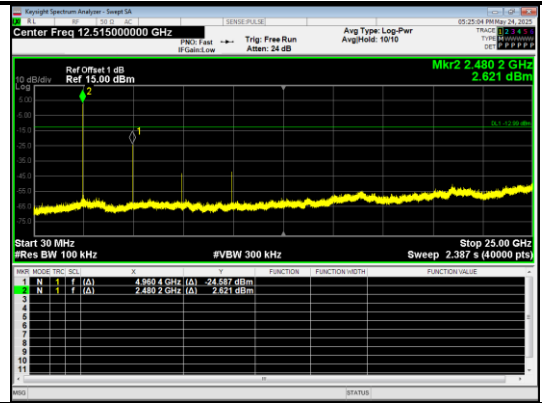
Out Of Band Emission
GFSK_DH5_Channel 78



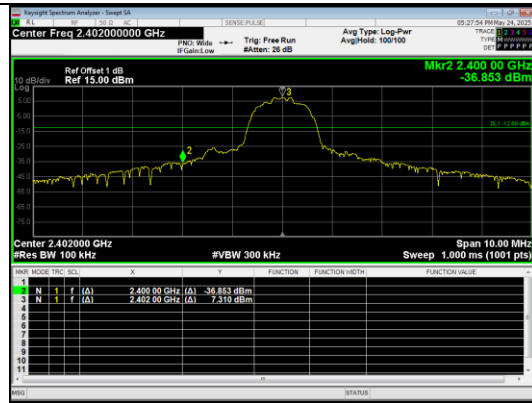
Out Of Band Emission
 $\pi/4$ DQPSK_2-DH5_Channel 78



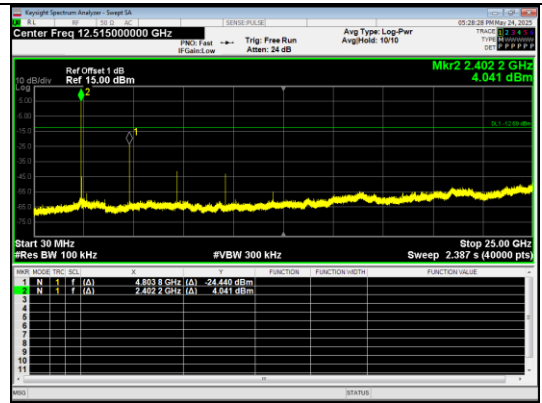
30.0 MHz - 25000.0 MHz
GFSK_DH5_Channel 78



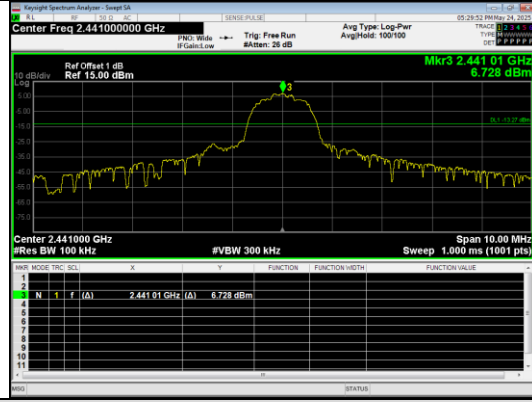
30.0 MHz - 25000.0 MHz
 $\pi/4$ DQPSK_2-DH5_Channel 78



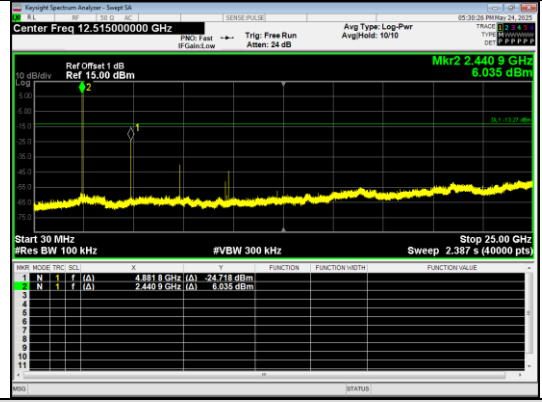
Out Of Band Emission
8DPSK_3-DH5_Channel 0



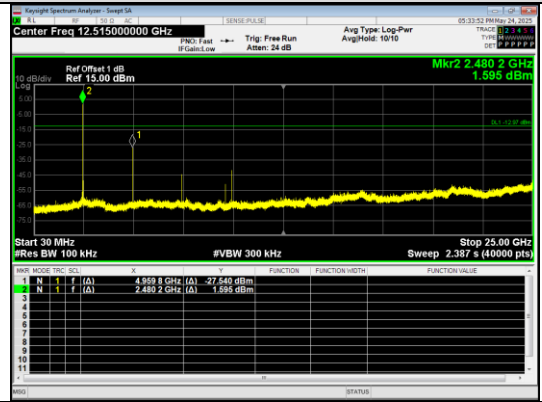
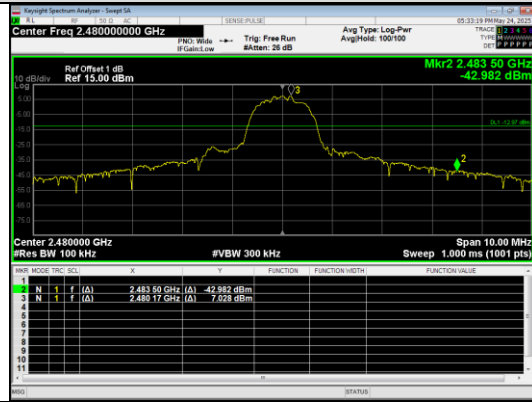
30.0 MHz - 25000.0 MHz
8DPSK_3-DH5_Channel 0

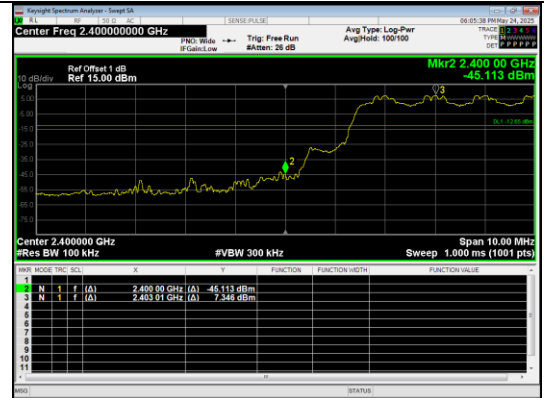
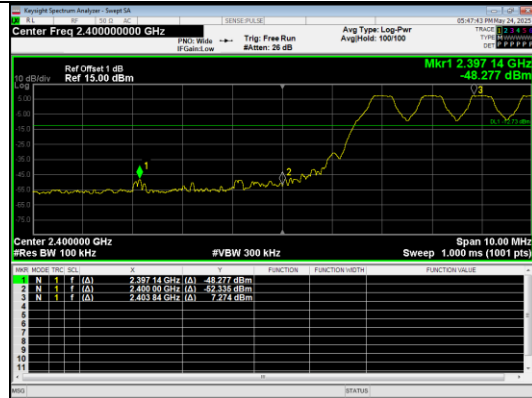
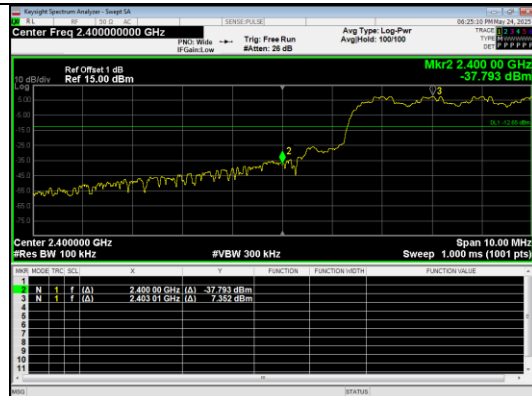


Out Of Band Emission
8DPSK_3-DH5_Channel 39



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**



Duty Cycle Test Result

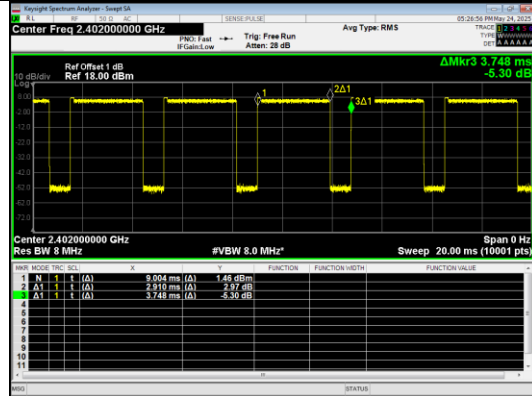
Modulation	Packets	Channel	On Time (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle (linear)	Duty Cycle Factor (dB)	1/T
GFSK	DH5	0	2.902	3.748	77.43	0.7743	1.1109	0.3446
		39	2.902	3.748	77.43	0.7743	1.1109	0.3446
		78	2.902	3.748	77.43	0.7743	1.1109	0.3446
$\pi/4$ DQPSK	2-DH5	0	2.908	3.748	77.59	0.7759	1.1019	0.3439
		39	2.908	3.748	77.59	0.7759	1.1019	0.3439
		78	2.908	3.748	77.59	0.7759	1.1019	0.3439
8DPSK	3-DH5	0	2.910	3.748	77.64	0.7764	1.0991	0.3436
		39	2.910	3.748	77.64	0.7764	1.0991	0.3436
		78	2.912	3.748	77.69	0.7769	1.0963	0.3434

Test Graphs

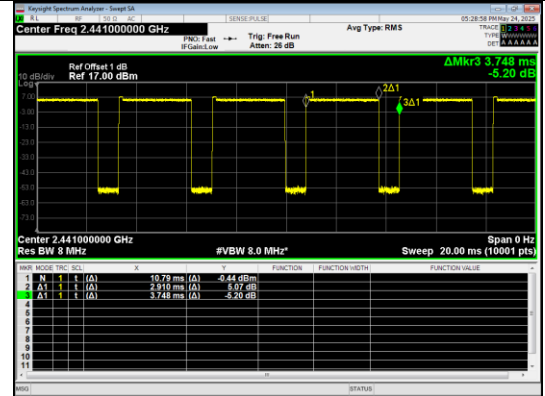




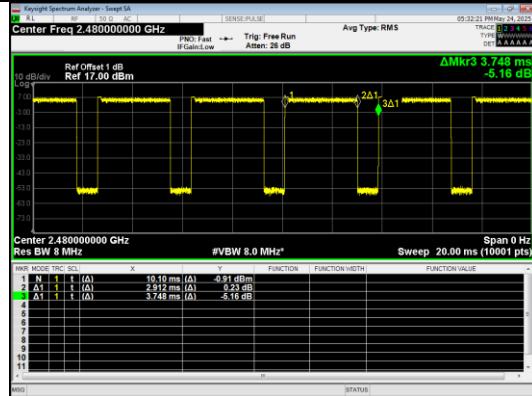
$\pi/4$ DQPSK(2-DH5)_Channel 39



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



8DPSK(3-DH5)_Channel 0



8DPSK(3-DH5)_Channel 78

8DPSK(3-DH5)_Channel 78

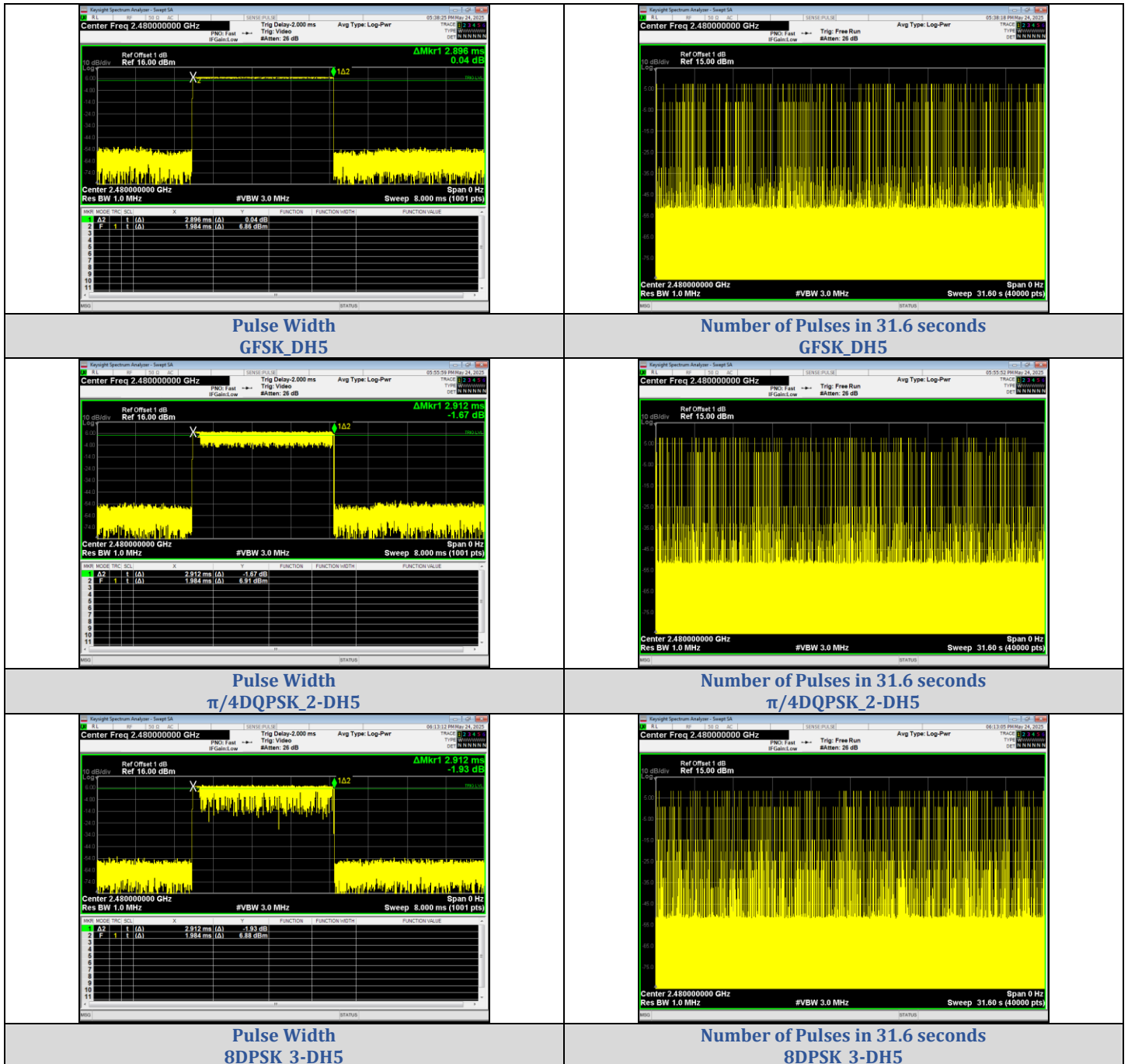


Dwell Time

Test Result

Modulation	Packet	Channel	Pulse Width (ms)	Number of Pulses in 31.6 seconds	Dwell Time (ms)	Limit (ms)	Result
GFSK	DH5	CH78 (2480MHz)	2.896	116	335.94	< 400	PASS
$\pi/4$ DQPSK	2-DH5		2.912	102	297.02		PASS
8DPSK	3-DH5		2.912	101	294.11		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

