



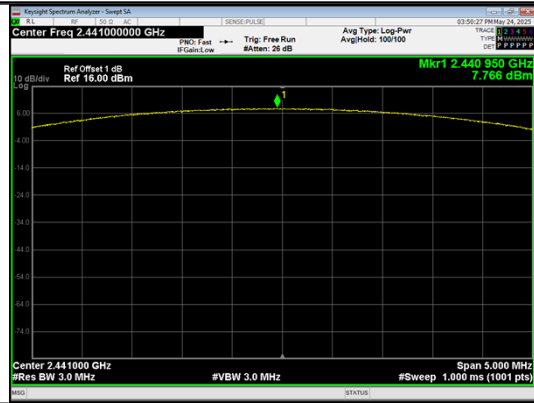
Conducted Output Power

Test Result

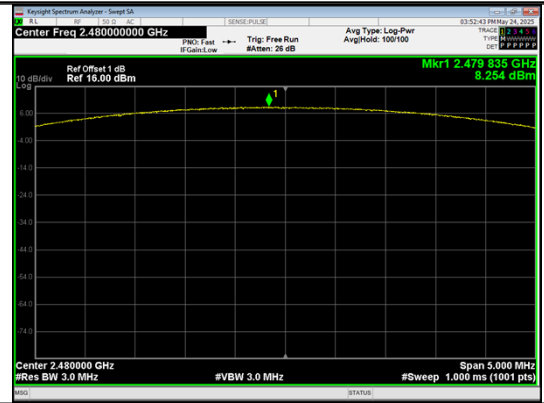
Modulation	Packet Type	Channel	Peak Output Power (dBm)	Peak Output Power (mW)	Limit (dBm)	Result
GFSK	DH5	0	5.64	3.67	≤30	PASS
		39	6.83	4.82		PASS
		78	7.30	5.37		PASS
$\pi/4$ DQPSK	2-DH5	0	6.76	4.75	≤20.97	PASS
		39	7.77	5.98		PASS
		78	8.25	6.69		PASS
8DPSK	3-DH5	0	7.37	5.46		PASS
		39	8.20	6.61		PASS
		78	8.68	7.37		PASS

Test Graphs

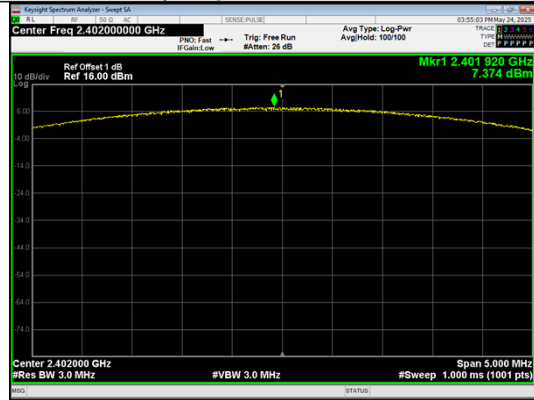




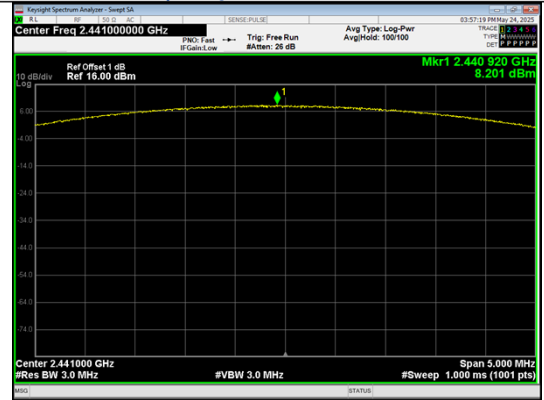
Peak Output Power
 $\pi/4$ DQPSK_Channel 39



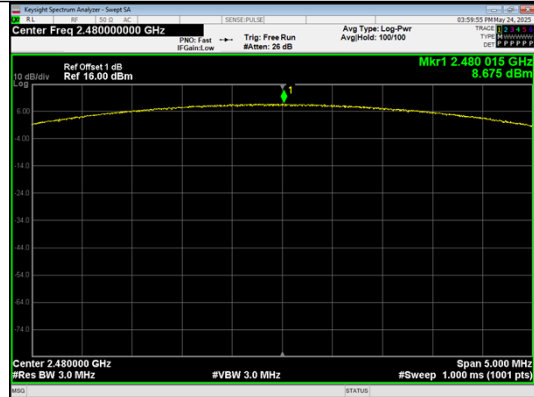
Peak Output Power
 $\pi/4$ DQPSK_Channel 78



Peak Output Power
8DPSK_Channel 0



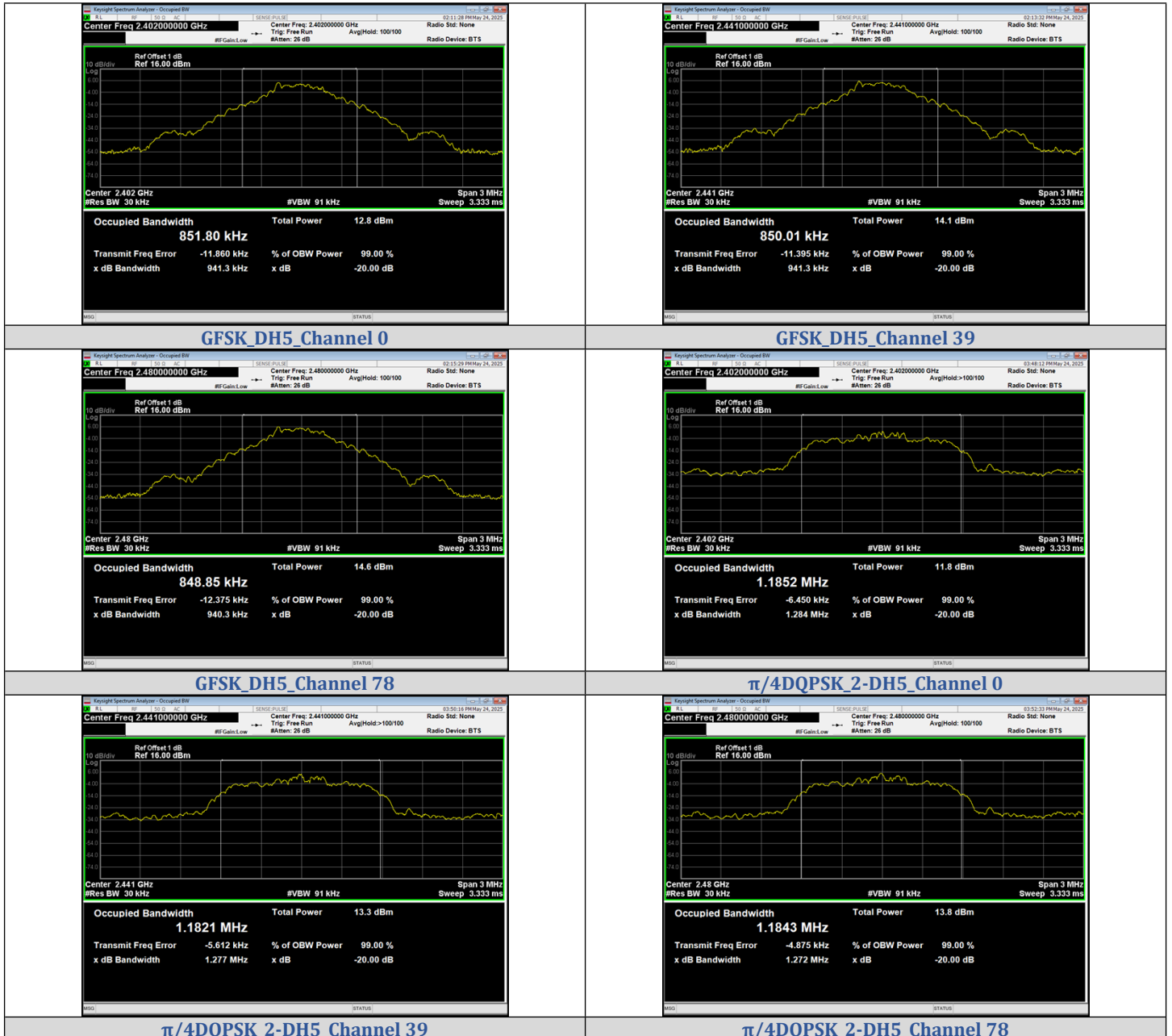
Peak Output Power
8DPSK_Channel 39

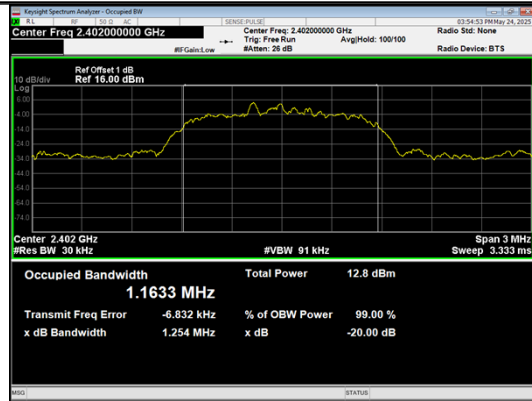


Peak Output Power
8DPSK_Channel 78

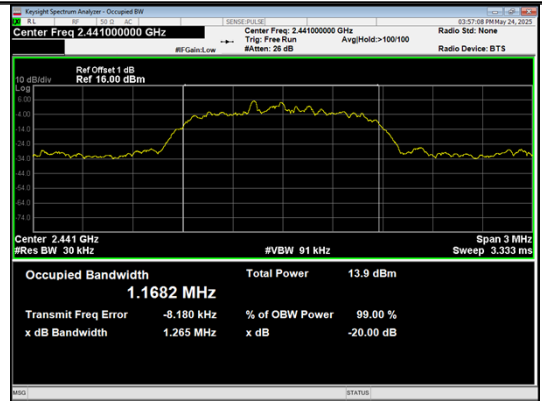
**20dB Bandwidth****Test Result**

Modulation	Channel	Center Frequency (MHz)	20 dB Bandwidth (MHz)
GFSK	0	2402 MHz	0.9413
	39	2441 MHz	0.9413
	78	2480 MHz	0.9403
$\pi/4$ DQPSK	0	2402 MHz	1.284
	39	2441 MHz	1.277
	78	2480 MHz	1.272
8DPSK	0	2402 MHz	1.254
	39	2441 MHz	1.265
	78	2480 MHz	1.263

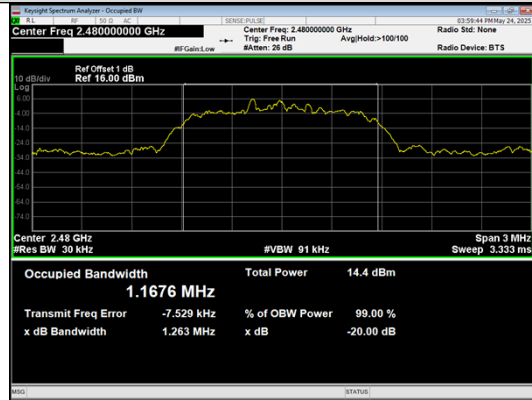
Test Graphs



8DPSK_3-DH5_Channel 0



8DPSK_3-DH5_Channel 39



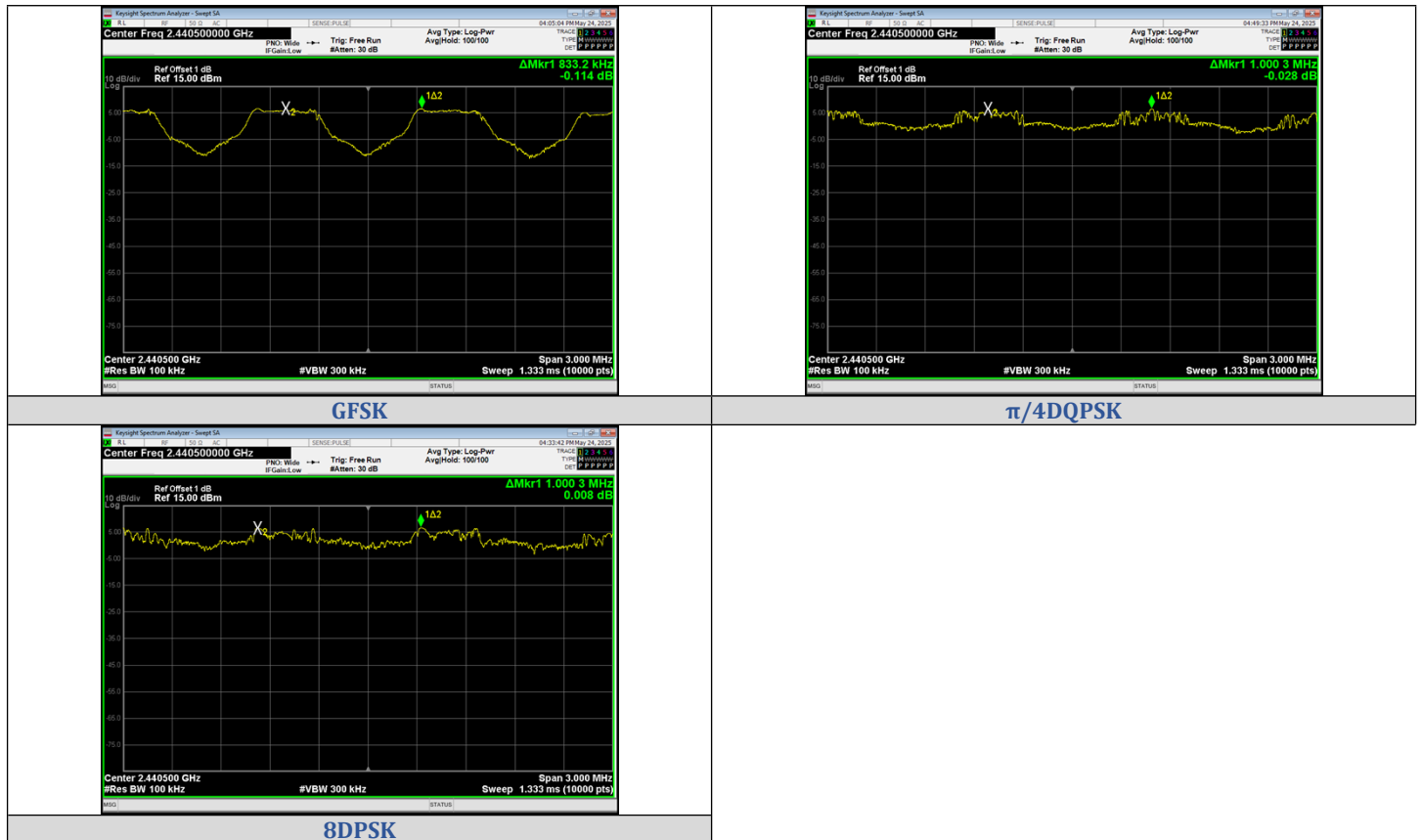
8DPSK_3-DH5_Channel 78

Carrier Frequencies Separation

Test Result

Modulation	Packet	Left Center frequency (MHz)	Right Center frequency (MHz)	Hopping Frequency Separation (MHz)	Limit (MHz)	Result
GFSK	DH5	2439.9946	2440.8278	0.8332	0.628	PASS
$\pi/4$ DQPSK	2-DH5	2439.9844	2440.9847	1.0003	0.856	PASS
8DPSK	3-DH5	2439.8239	2440.8242	1.0003	0.843	PASS

Test Graphs

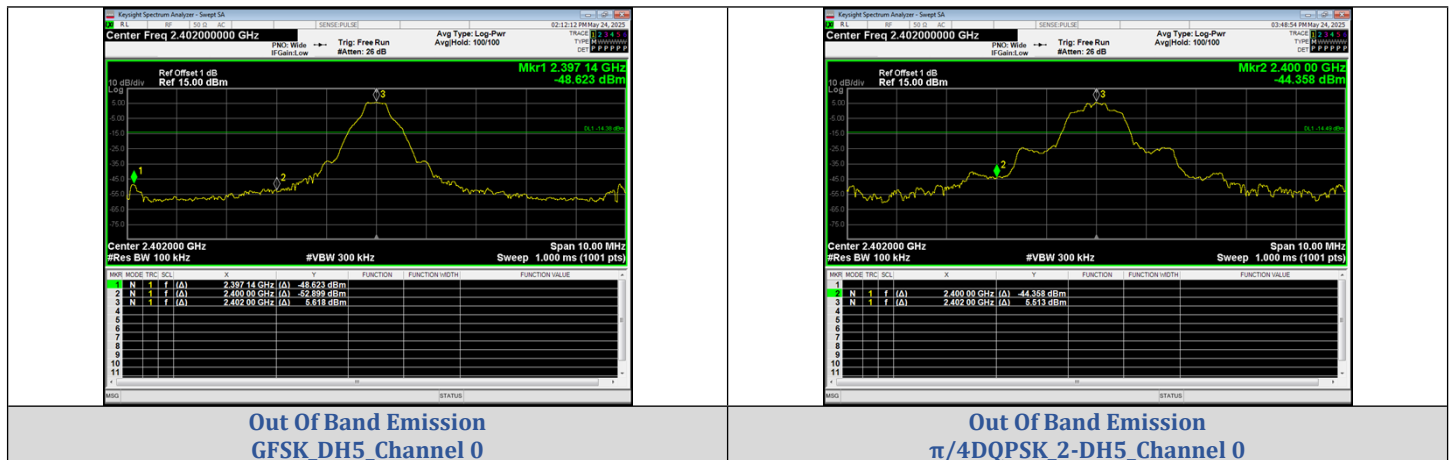


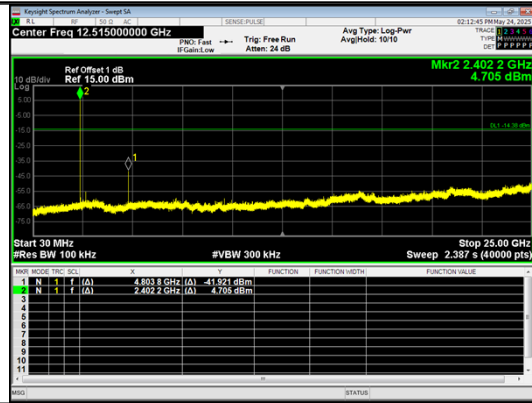
**Conducted Out Of Band Emission****Test Result****Non-Hopping**

Modulation	Packet	Channel	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result
GFSK	DH5	0	2397.14	-48.623	-14.38	-34.243	PASS
			2400.00	-52.899	-14.38	-38.519	PASS
			4803.80	-41.921	-14.38	-27.541	PASS
		39	4881.79	-42.971	-13.25	-29.721	PASS
		78	2483.50	-54.740	-12.7	-42.040	PASS
			4959.83	-40.644	-12.7	-27.944	PASS
$\pi/4$ DQPSK	2-DH5	0	2400.00	-44.358	-14.49	-29.868	PASS
			4803.76	-45.428	-14.49	-30.938	PASS
		39	4882.42	-43.735	-13.41	-30.325	PASS
		78	2483.50	-51.160	-12.63	-38.530	PASS
			4959.83	-43.889	-12.63	-31.258	PASS
		78	2483.50	-39.821	-12.7	-27.121	PASS
8DPSK	3-DH5	0	2400.00	-37.948	-14.37	-23.578	PASS
			24953.8	-49.236	-14.37	-34.866	PASS
		39	4881.79	-48.748	-13.24	-35.508	PASS
		78	2483.50	-39.821	-12.7	-27.121	PASS
			24438.8	-49.345	-12.7	-36.645	PASS
		78	24438.8	-49.345	-12.7	-36.645	PASS

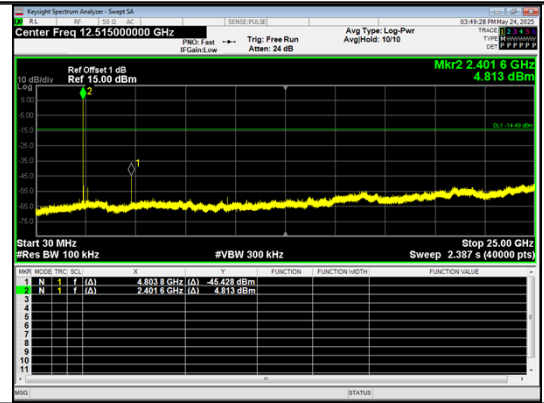
Hopping

Modulation	Packet	Channel	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result	
GFSK	DH5	Hopping	2398.13	-50.472	-14.47	-36.002	PASS	
			2400.00	-53.090	-14.47	-38.620	PASS	
			2483.50	-57.002	-12.97	-44.032	PASS	
$\pi/4$ DQPSK	2-DH5		2400.00	-44.275	-14.34	-29.935	PASS	
			2483.50	-49.583	-13.18	-36.403	PASS	
8DPSK	3-DH5		2400.00	-38.260	-14.38	-23.880	PASS	
			2483.50	-48.111	-12.91	-35.201	PASS	

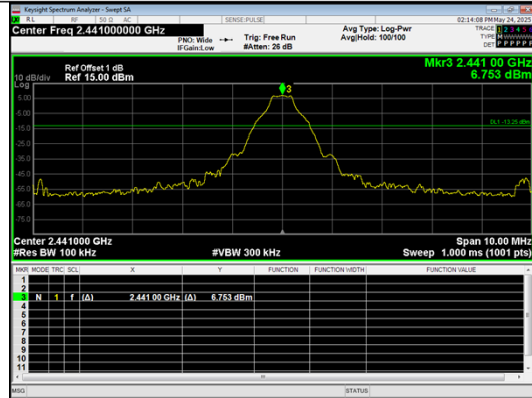
Test Graphs



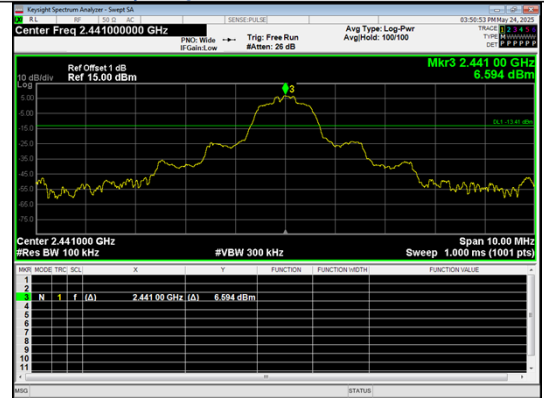
30.0 MHz - 25000.0 MHz
GFSK_DH5_Channel 0



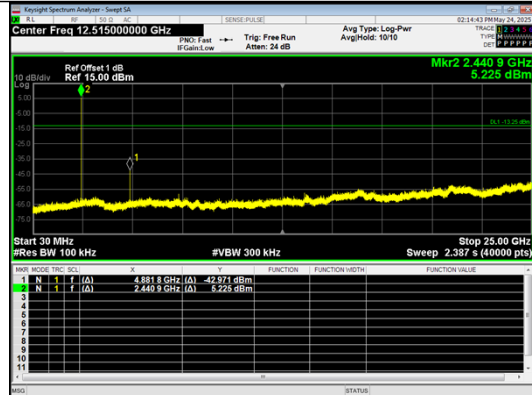
30.0 MHz - 25000.0 MHz
 $\pi/4$ DQPSK_2-DH5_Channel 0



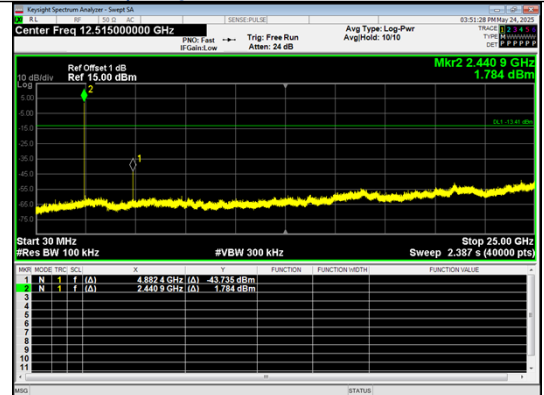
Out Of Band Emission
GFSK_DH5_Channel 39



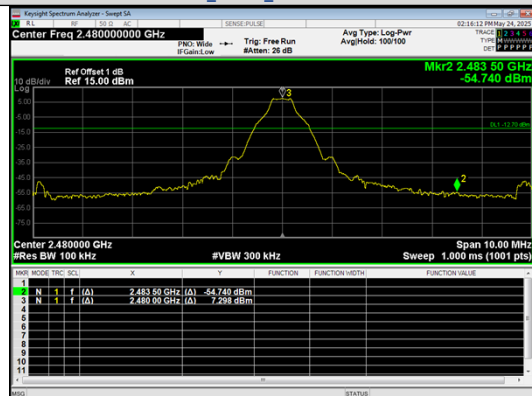
Out Of Band Emission
 $\pi/4$ DQPSK_2-DH5_Channel 39



30.0 MHz - 25000.0 MHz
GFSK_DH5_Channel 39



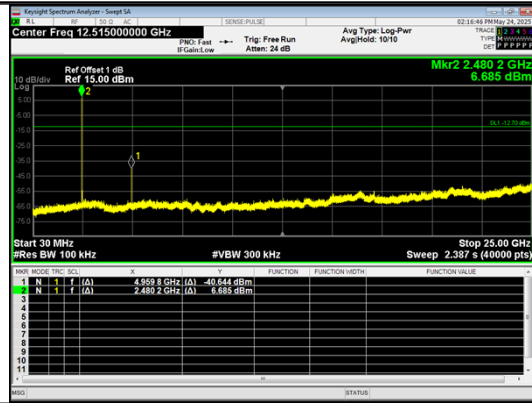
30.0 MHz - 25000.0 MHz
 $\pi/4$ DQPSK_2-DH5_Channel 39



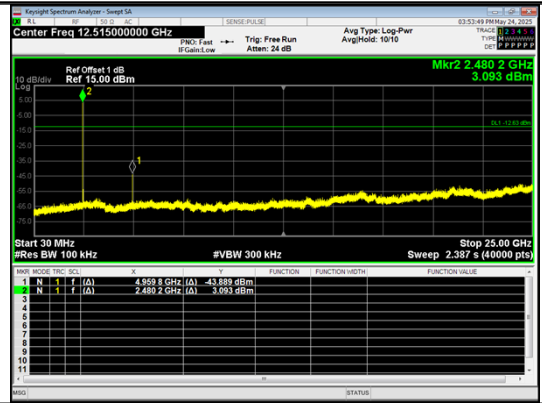
Out Of Band Emission
GFSK_DH5_Channel 78



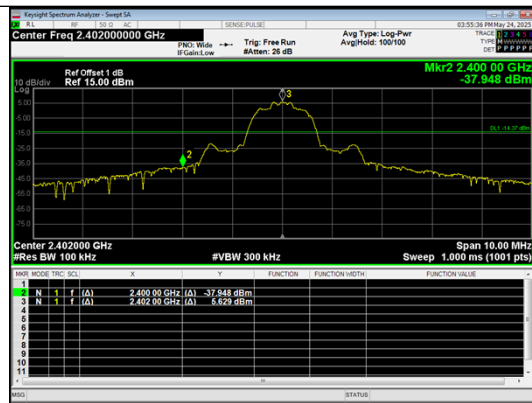
Out Of Band Emission
 $\pi/4$ DQPSK_2-DH5_Channel 78



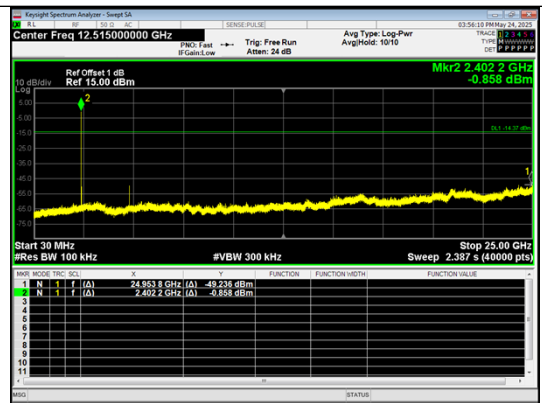
30.0 MHz - 25000.0 MHz
GFSK_DH5_Channel 78



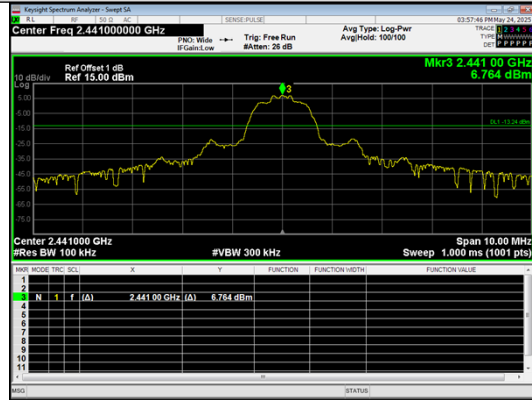
30.0 MHz - 25000.0 MHz
 $\pi/4$ DQPSK_2-DH5_Channel 78



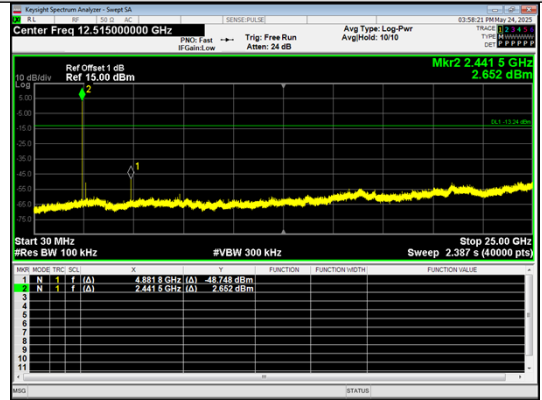
Out Of Band Emission
8DPSK_3-DH5_Channel 0



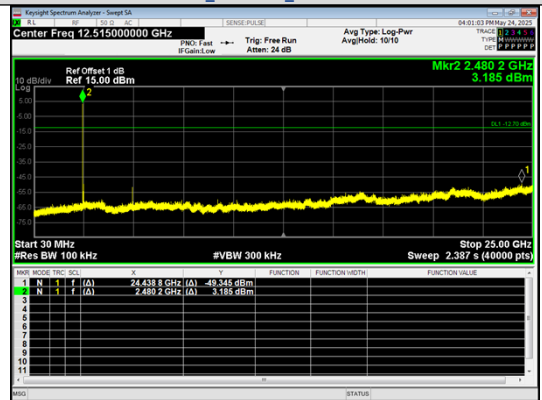
30.0 MHz - 25000.0 MHz
8DPSK_3-DH5_Channel 0



Out Of Band Emission
8DPSK_3-DH5_Channel 39

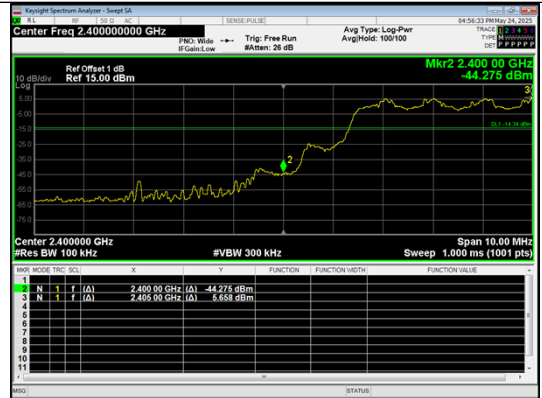
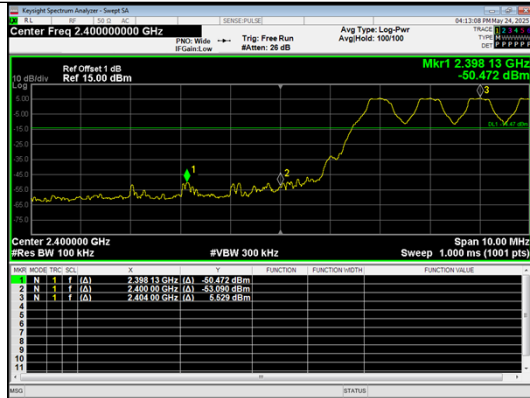


30.0 MHz - 25000.0 MHz
8DPSK_3-DH5_Channel 39



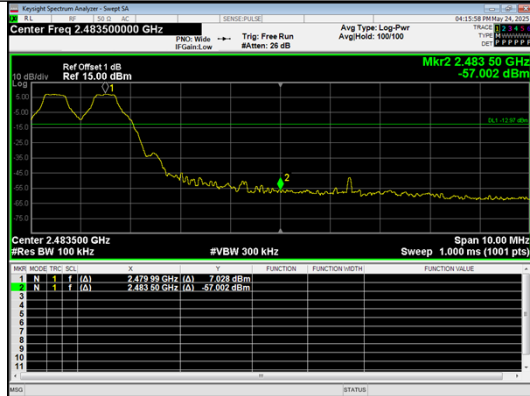
Out Of Band Emission 8DPSK_3-DH5_Channel 78

30.0 MHz - 25000.0 MHz 8DPSK_3-DH5_Channel 78



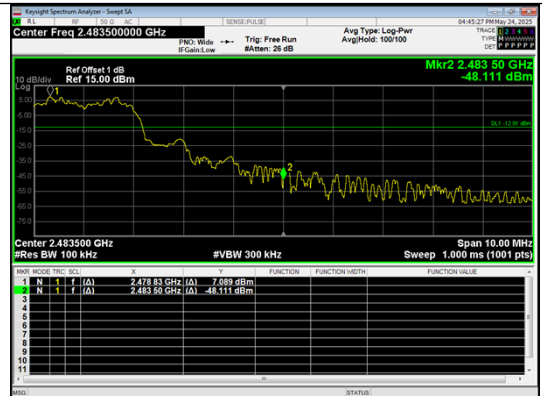
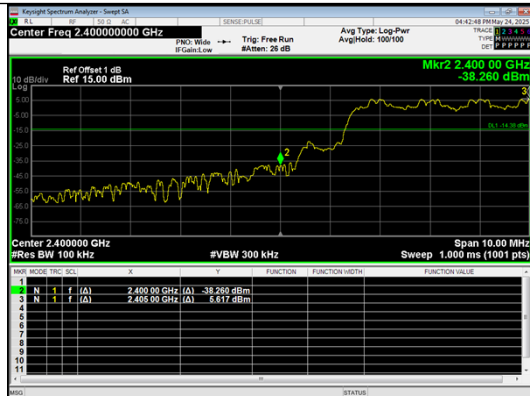
Out Of Band Emission(Left) GFSK_DH5_Channel Hopping

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

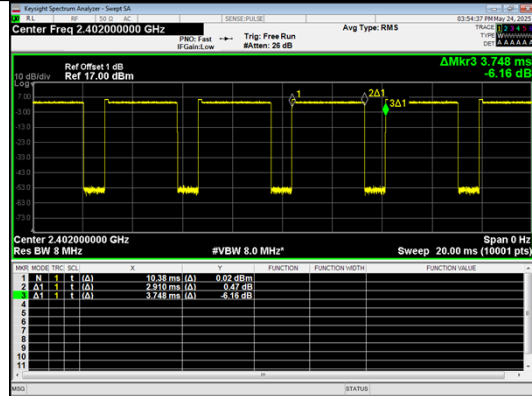
Modulation	Packets	Channel	On Time (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle (linear)	Duty Cycle Factor (dB)	1/T
GFSK	DH5	0	2.900	3.748	77.37	0.7737	1.1143	0.3448
		39	2.902	3.748	77.43	0.7743	1.1109	0.3446
		78	2.902	3.748	77.43	0.7743	1.1109	0.3446
$\pi/4$ DQPSK	2-DH5	0	2.908	3.748	77.59	0.7759	1.1019	0.3439
		39	2.906	3.748	77.53	0.7753	1.1053	0.3441
		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	2.910	3.748	77.64	0.7764	1.0991	0.3436

Test Graphs

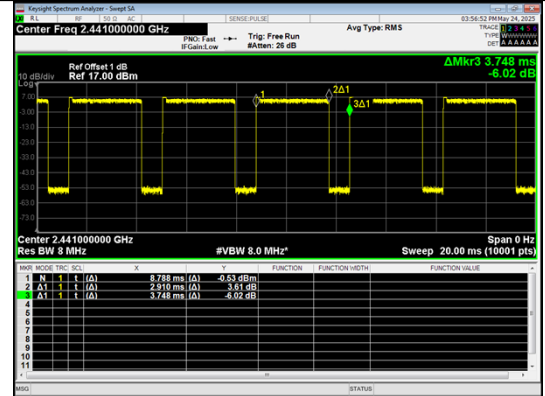




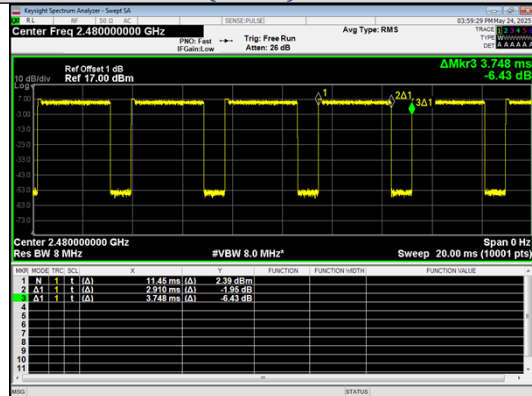
$\pi/4$ DQPSK(2-DH5)_Channel 39



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



8DPSK(3-DH5)_Channel 0



8DPSK(3-DH5)_Channel 39

8DPSK(3-DH5)_Channel 78

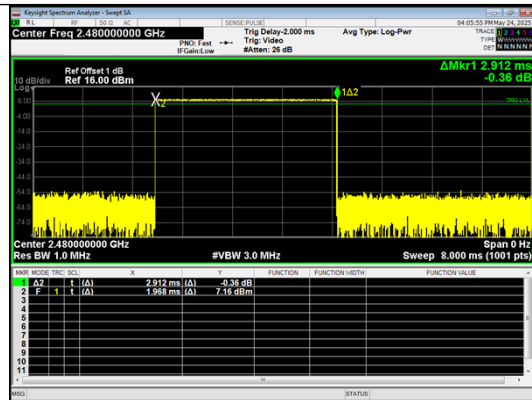
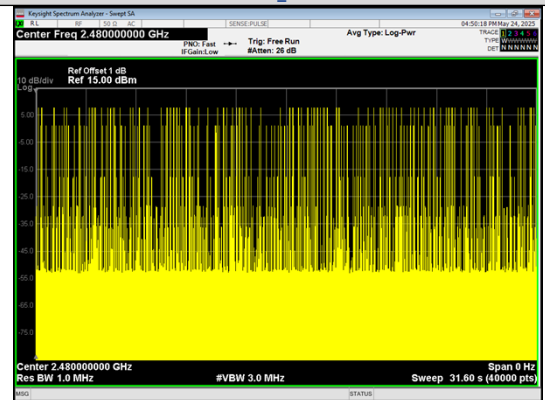
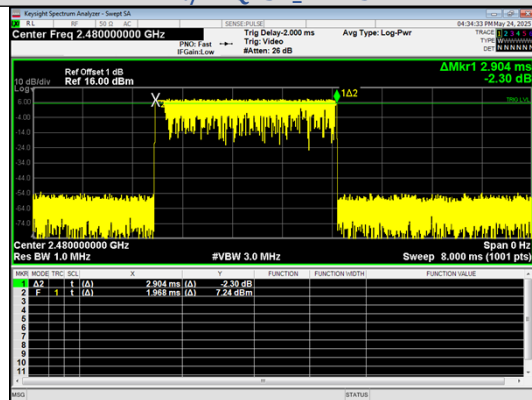
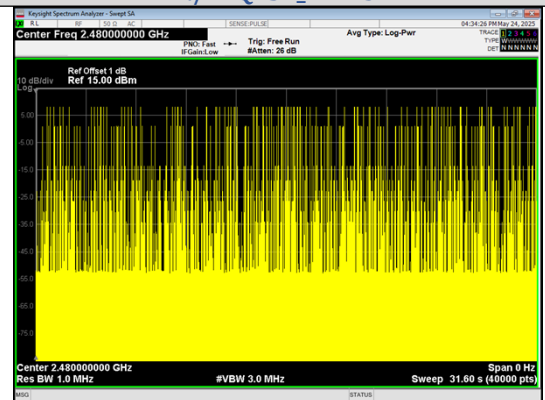


Dwell Time

Test Result

Modulation	Packet	Channel	Pulse Width (ms)	Number of Pulses in 31.6 seconds	Dwell Time (ms)	Limit (ms)	Result
GFSK	DH5	CH78 (2480MHz)	2.912	94	273.73	< 400	PASS
$\pi/4$ DQPSK	2-DH5		2.896	111	321.46		PASS
8DPSK	3-DH5		2.904	98	284.59		PASS

Test Graphs

Pulse Width
GFSK_DH5Number of Pulses in 31.6 seconds
GFSK_DH5Pulse Width
 $\pi/4$ DQPSK_2-DH5Number of Pulses in 31.6 seconds
 $\pi/4$ DQPSK_2-DH5Pulse Width
8DPSK_3-DH5Number 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

