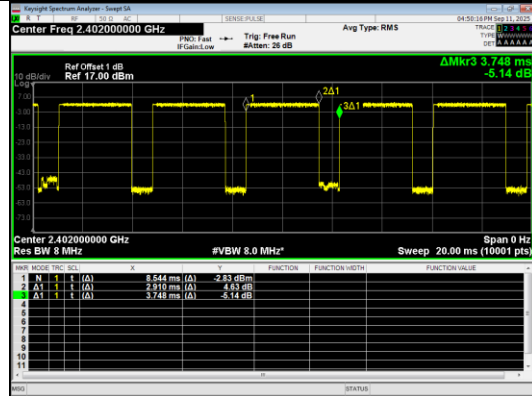
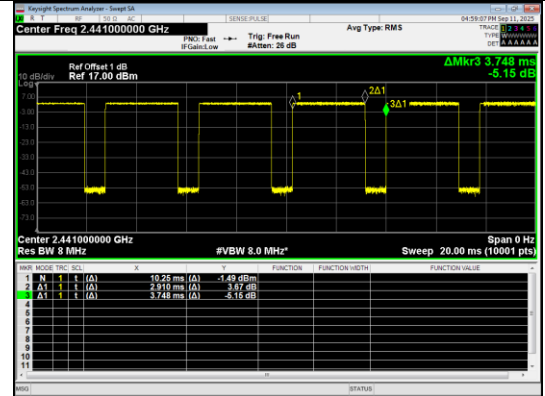


Duty Cycle Test Result

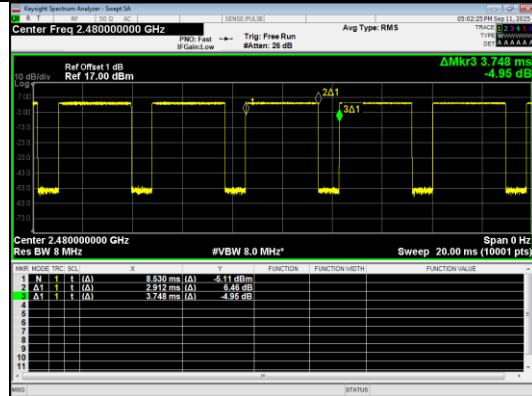
Modulation	Packets	Channel	On Time (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle (linear)	Duty Cycle Factor (dB)	1/T
GFSK	DH5	0	2.904	3.748	77.48	0.7748	1.1081	0.3444
		39	2.904	3.748	77.48	0.7748	1.1081	0.3444
		78	2.904	3.748	77.48	0.7748	1.1081	0.3444
$\pi/4$ DQPSK	2-DH5	0	2.910	3.748	77.64	0.7764	1.0991	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
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 39

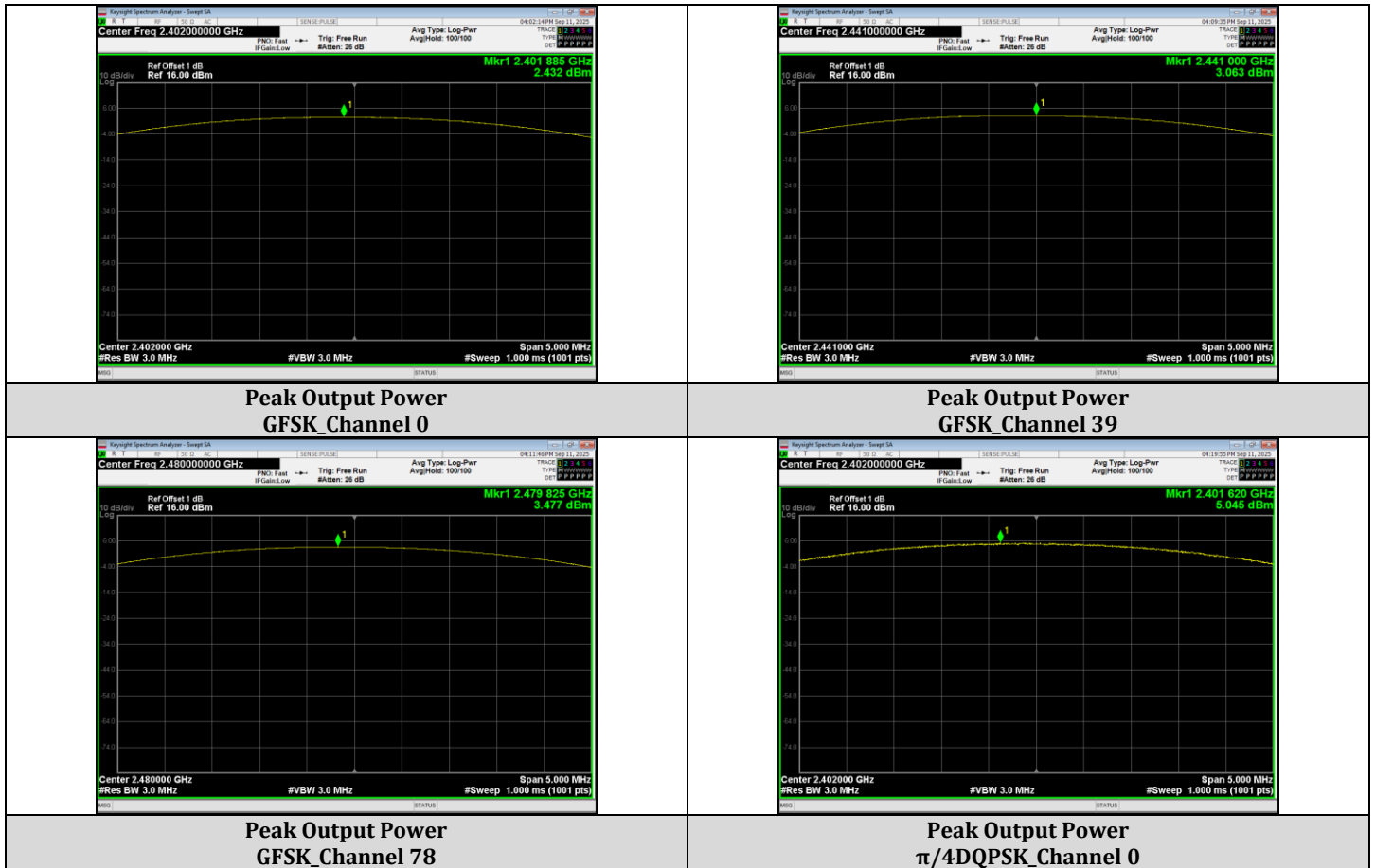
8DPSK(3-DH5)_Channel 78

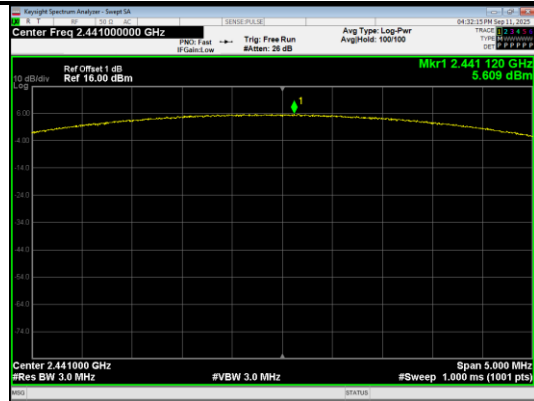
Conducted Output Power

Test Result

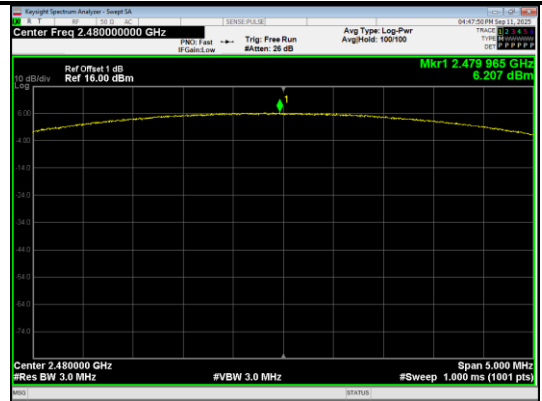
Modulation	Packet Type	Channel	Peak Output Power (dBm)	Limit (dBm)	Result
GFSK	DH5	0	2.43	≤30	PASS
		39	3.06		PASS
		78	3.48		PASS
$\pi/4$ DQPSK	2-DH5	0	5.04	≤20.97	PASS
		39	5.61		PASS
		78	6.21		PASS
8DPSK	3-DH5	0	5.63		PASS
		39	6.27		PASS
		78	6.65		PASS

Test Graphs

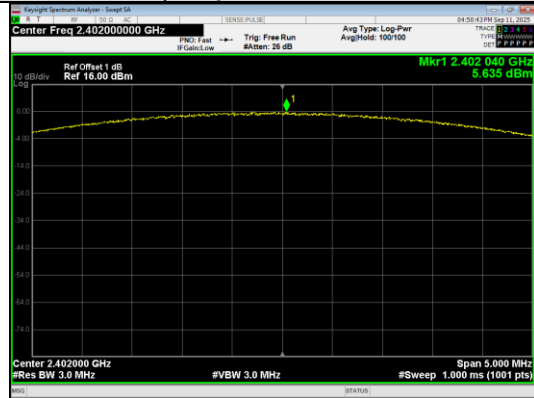




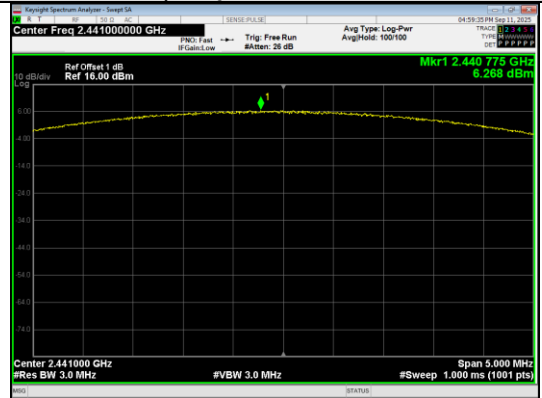
Peak Output Power
 $\pi/4$ DQPSK_Channel 39



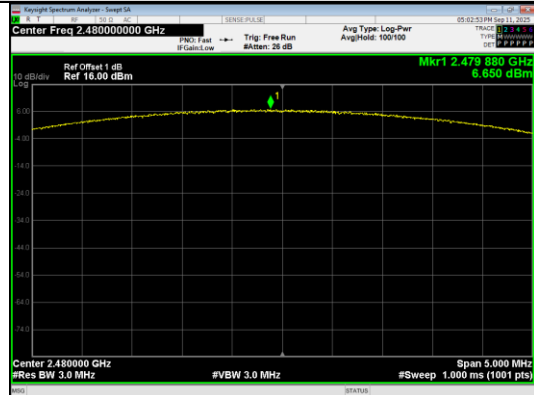
Peak Output Power
 $\pi/4$ DQPSK_Channel 78



Peak Output Power
 8DPSK_Channel 0



Peak Output Power
 8DPSK_Channel 39



Peak Output Power
 8DPSK_Channel 78

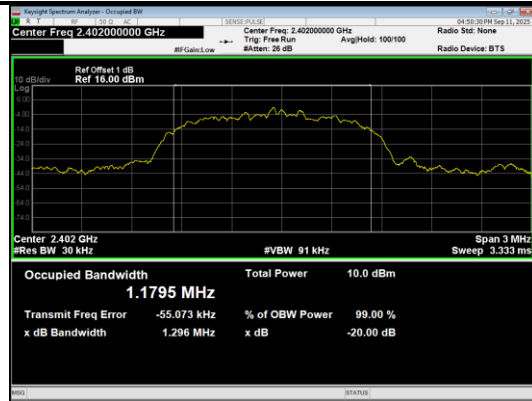
20dB Bandwidth

Test Result

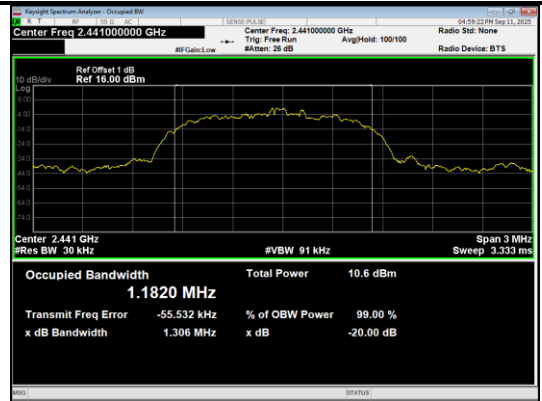
Modulation	Channel	Center Frequency (MHz)	20 dB Bandwidth (MHz)
GFSK	0	2402 MHz	0.9500
	39	2441 MHz	0.9800
	78	2480 MHz	0.9400
$\pi/4$ DQPSK	0	2402 MHz	1.280
	39	2441 MHz	1.280
	78	2480 MHz	1.280
8DPSK	0	2402 MHz	1.300
	39	2441 MHz	1.310
	78	2480 MHz	1.300

Test Graphs

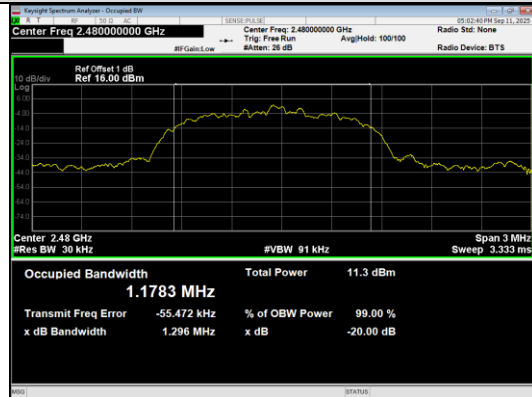




8DPSK_3-DH5_Channel 0



8DPSK_3-DH5_Channel 39



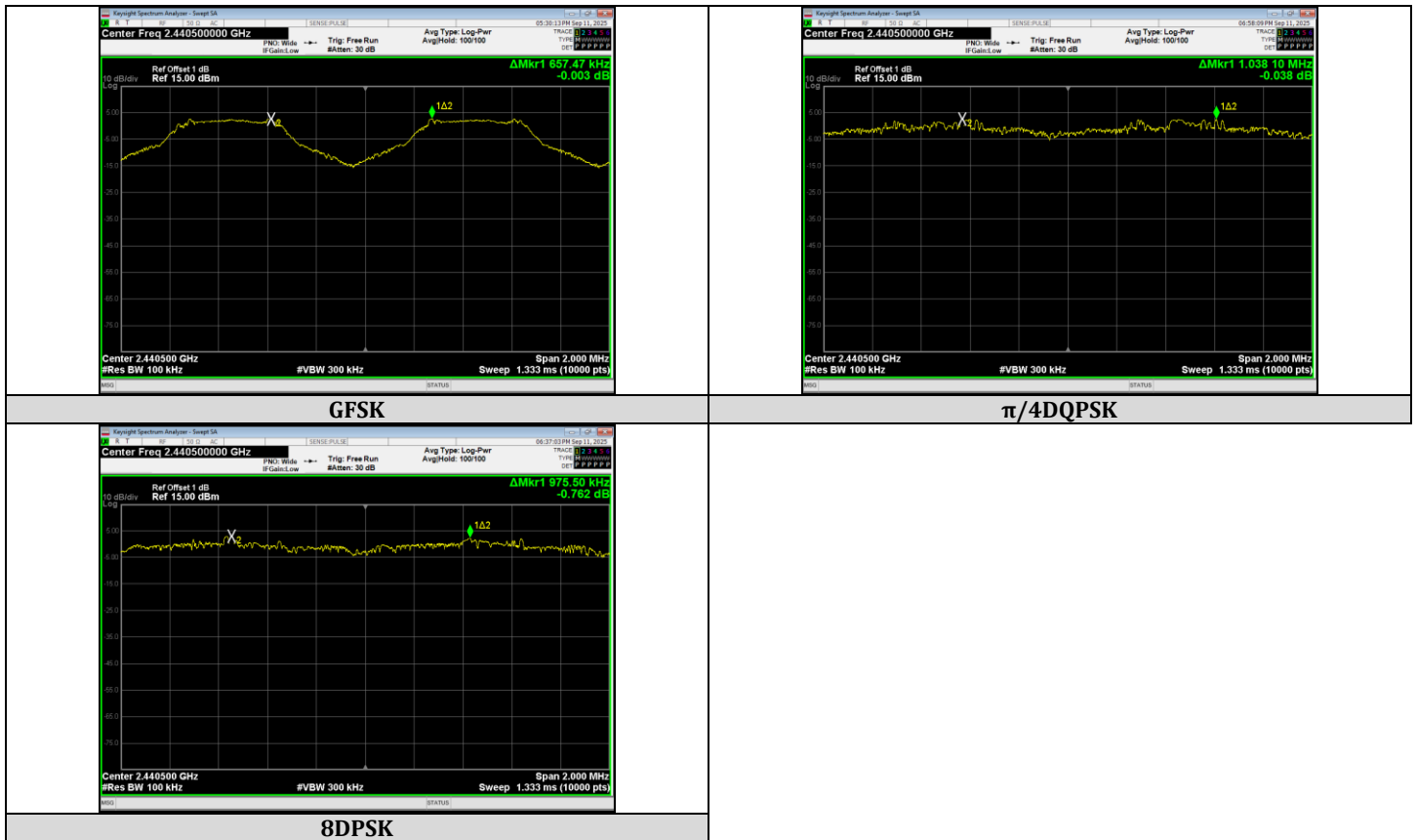
8DPSK_3-DH5_Channel 78

Carrier Frequencies Separation

Test Result

Modulation	Packet	Left Center frequency (MHz)	Right Center frequency (MHz)	Hopping Frequency Separation (MHz)	Limit (MHz)	Result
GFSK	DH5	2440.1149	2440.7723	0.6575	0.653	PASS
$\pi/4$ DQPSK	2-DH5	2440.0675	2441.1056	1.0381	0.853	PASS
8DPSK	3-DH5	2439.9522	2440.9277	0.9755	0.873	PASS

Test Graphs

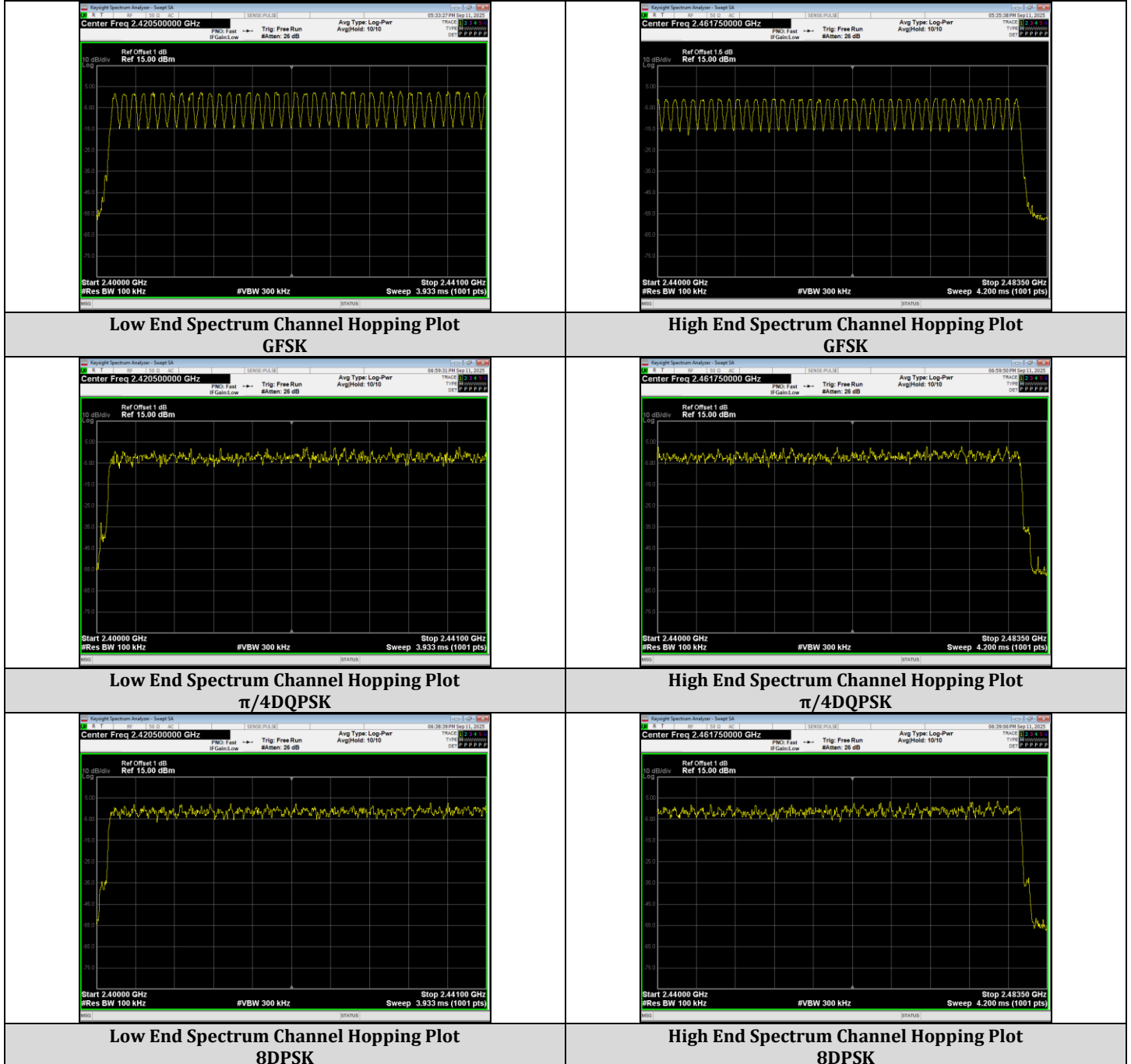


Number Of Hopping Channel

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

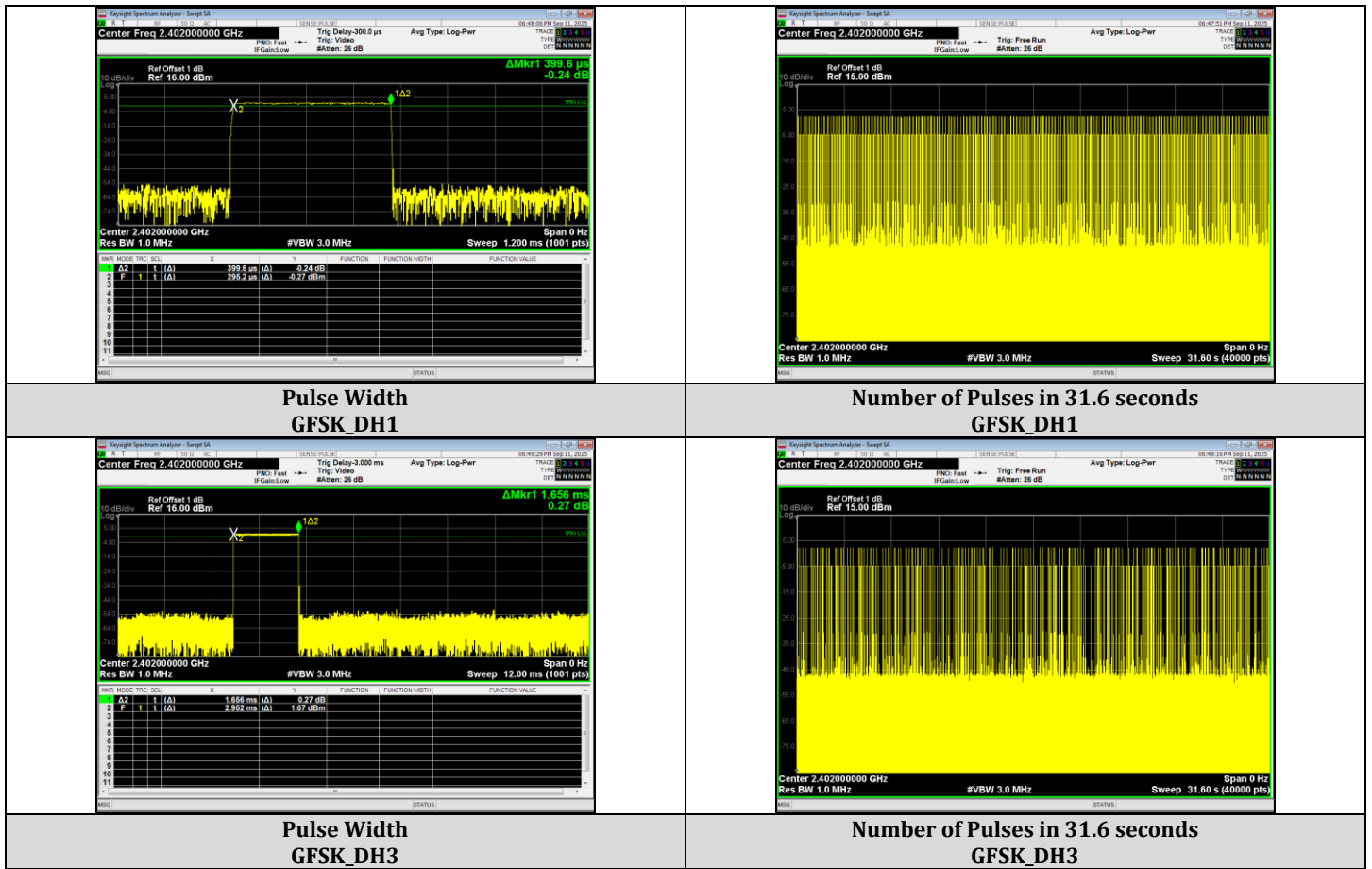


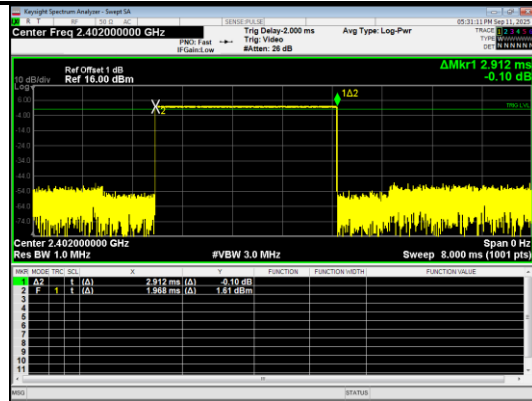
Dwell Time

Test Result

Modulation	Packet	Channel	Pulse Width (ms)	Number of Pulses in 31.6 seconds	Dwell Time (ms)	Limit (ms)	Result
GFSK	DH1	Hopping	0.3996	316	126.27	< 400	PASS
	DH3		1.656	170	281.52		PASS
	DH5		2.912	98	285.38		PASS
$\pi/4$ DQPSK	2-DH1		0.4080	316	128.93		PASS
	2-DH3		1.656	163	269.93		PASS
	2-DH5		2.912	111	323.23		PASS
8DPSK	3-DH1		0.4080	315	128.52		PASS
	3-DH3		1.680	159	267.12		PASS
	3-DH5		2.912	111	323.23		PASS

Test Graphs

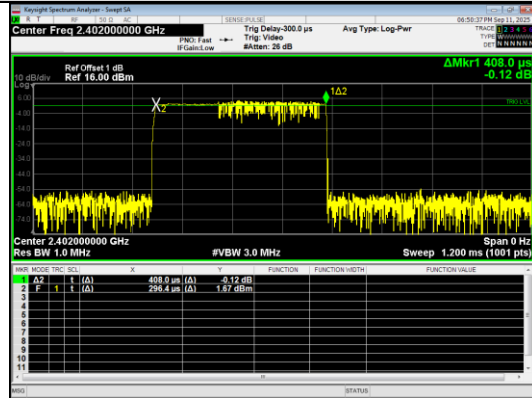




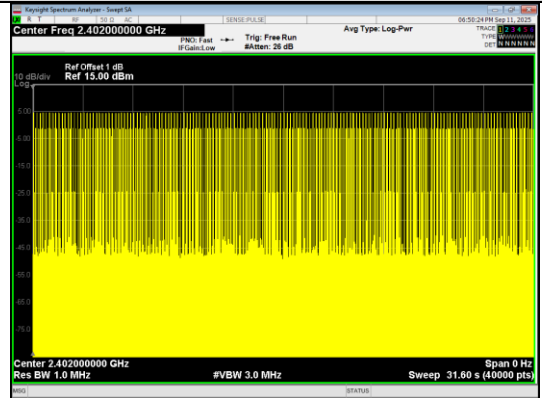
**Pulse Width
GFSK_DH5**



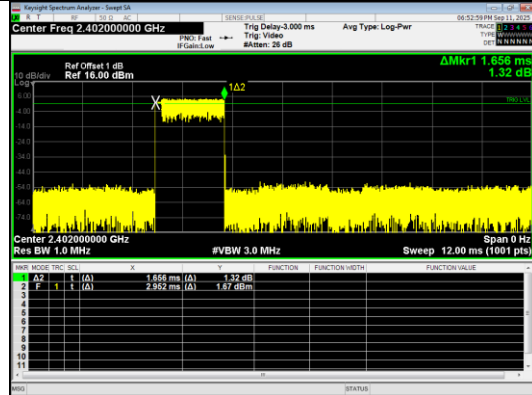
**Number of Pulses in 31.6 seconds
GFSK_DH5**



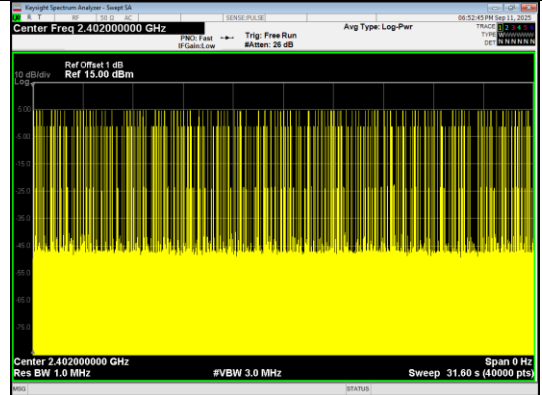
**Pulse Width
 $\pi/4$ DQPSK_2-DH1**



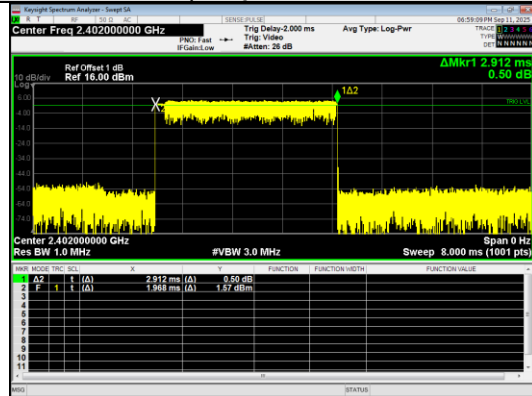
**Number of Pulses in 31.6 seconds
 $\pi/4$ DQPSK_2-DH1**



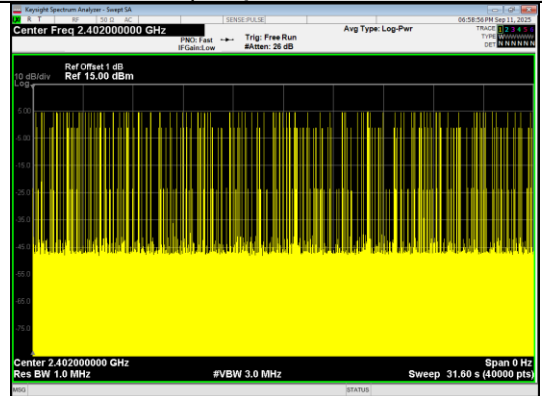
**Pulse Width
 $\pi/4$ DQPSK_2-DH3**



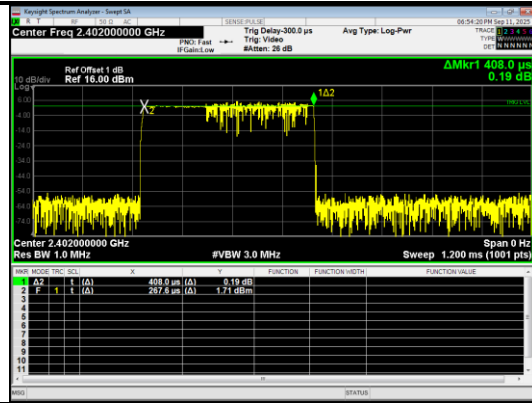
**Number of Pulses in 31.6 seconds
 $\pi/4$ DQPSK_2-DH3**



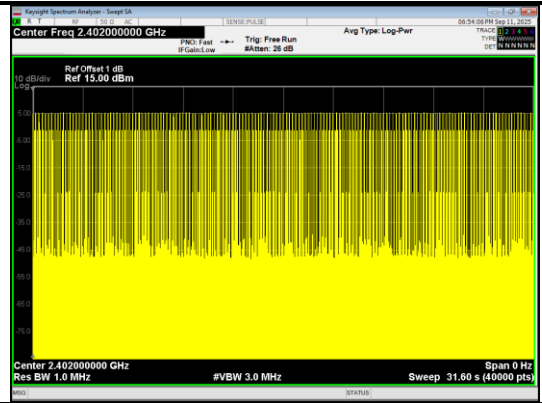
**Pulse Width
 $\pi/4$ DQPSK_2-DH5**



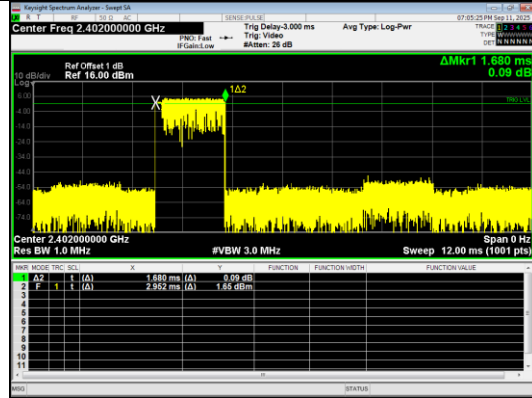
**Number of Pulses in 31.6 seconds
 $\pi/4$ DQPSK_2-DH5**



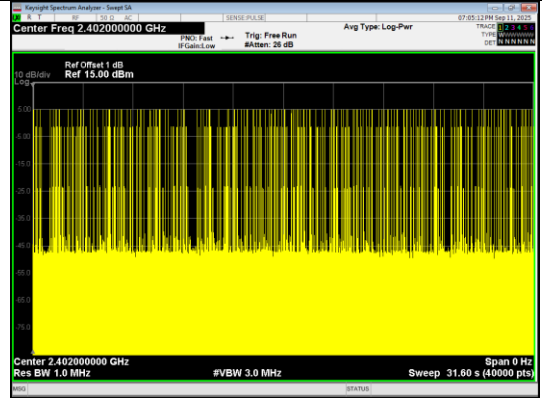
**Pulse Width
8DPSK_3-DH1**



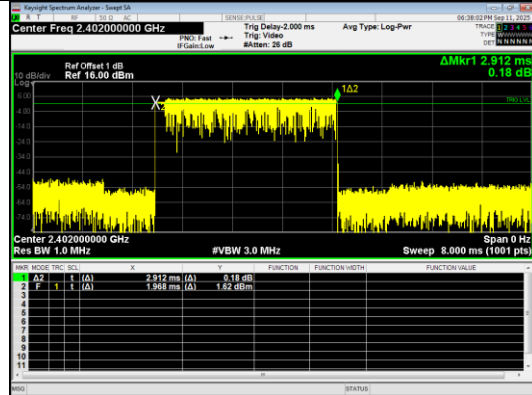
**Number of Pulses in 31.6 seconds
8DPSK_3-DH1**



**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**

Conducted Out Of Band Emission

Test Result

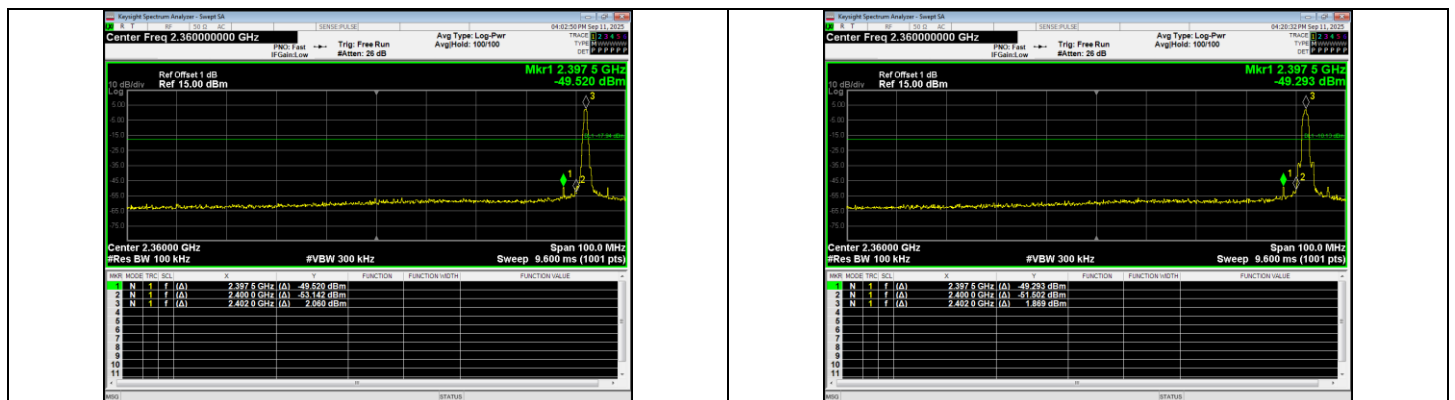
Non-Hopping

Modulation	Packet	Channel	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result
GFSK	DH5	0	2397.50	-49.520	-17.94	-31.580	PASS
			2400.00	-53.140	-17.94	-35.200	PASS
			4803.60	-41.342	-17.94	-23.402	PASS
		39	4882.30	-39.697	-17.39	-22.307	PASS
		78	2483.50	-53.450	-16.94	-36.510	PASS
			7439.85	-41.834	-16.94	-24.894	PASS
$\pi/4$ DQPSK	2-DH5	0	2397.50	-49.293	-18.13	-31.163	PASS
			2400.00	-51.500	-18.13	-33.370	PASS
			4804.30	-42.966	-18.13	-24.836	PASS
		39	9763.93	-42.703	-17.35	-25.353	PASS
		78	2483.50	-55.480	-16.8	-38.680	PASS
			7439.85	-43.624	-16.8	-26.824	PASS
8DPSK	3-DH5	0	2397.40	-48.416	-17.77	-30.646	PASS
			2400.00	-51.770	-17.77	-34.000	PASS
			4804.30	-42.066	-17.77	-24.296	PASS
		39	4881.67	-41.648	-16.98	-24.668	PASS
		78	2483.50	-55.060	-16.58	-38.480	PASS
			24972.5	-49.580	-16.58	-33.000	PASS

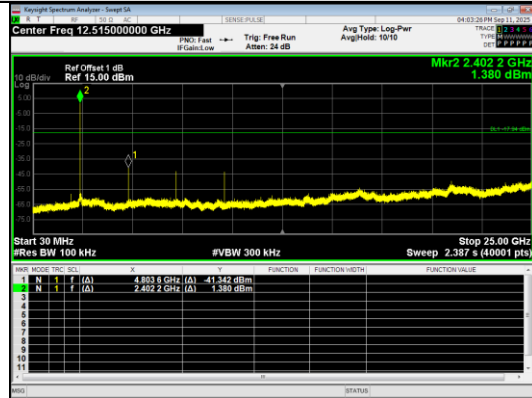
Hopping

Modulation	Packet	Channel	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result
GFSK	DH5	Hopping	2398.70	-56.342	-17.98	-38.362	PASS
			2400.00	-57.110	-17.98	-39.130	PASS
			2483.50	-51.420	-16.81	-34.610	PASS
$\pi/4$ DQPSK	2-DH5		2400.00	-54.330	-17.91	-36.420	PASS
			2483.50	-56.570	-16.93	-39.640	PASS
8DPSK	3-DH5		2397.40	-51.934	-17.43	-34.504	PASS
			2400.00	-52.840	-17.43	-35.410	PASS
			2483.50	-49.010	-16.59	-32.420	PASS

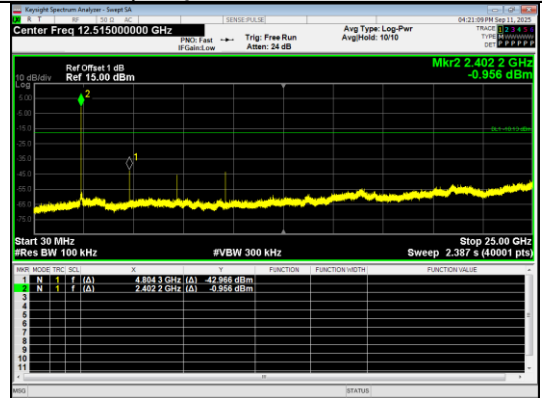
Test Graphs



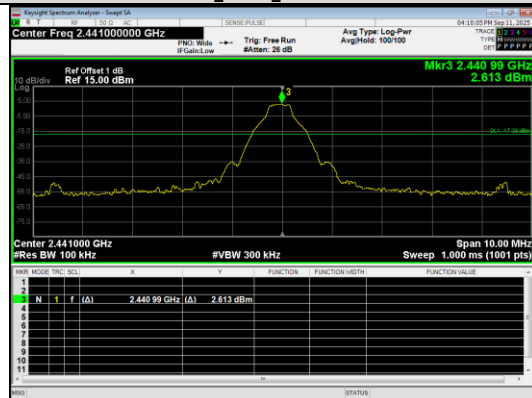
Out Of Band Emission GFSK_DH5_Channel 0



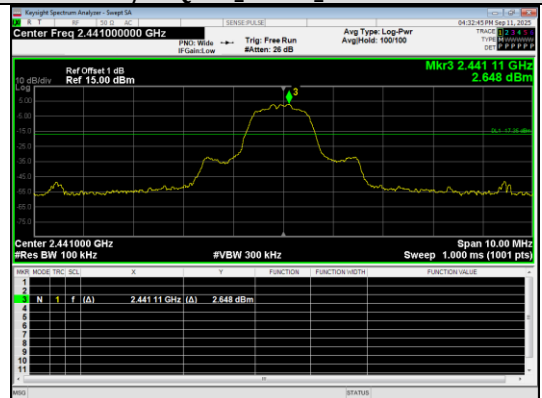
Out Of Band Emission $\pi/4$ DQPSK_2-DH5_Channel 0



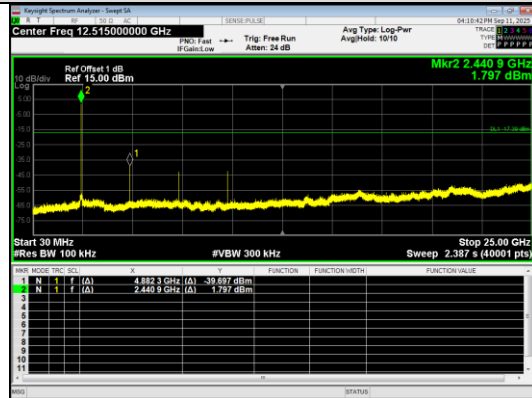
30.0 MHz - 25000.0 MHz GFSK_DH5_Channel 0



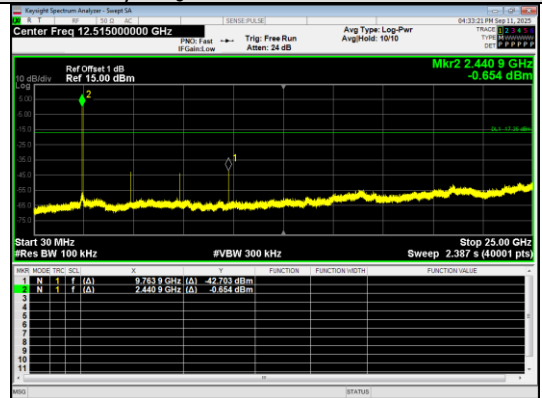
30.0 MHz - 25000.0 MHz $\pi/4$ DQPSK_2-DH5_Channel 0



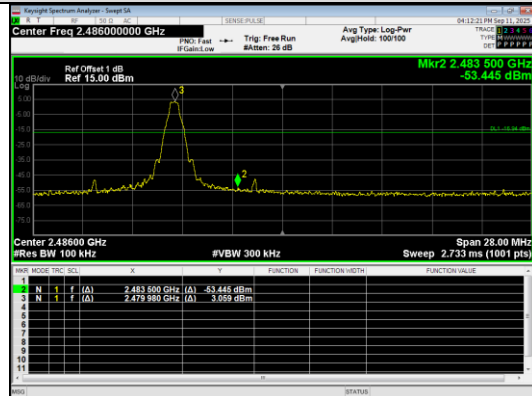
Out Of Band Emission GFSK_DH5_Channel 39



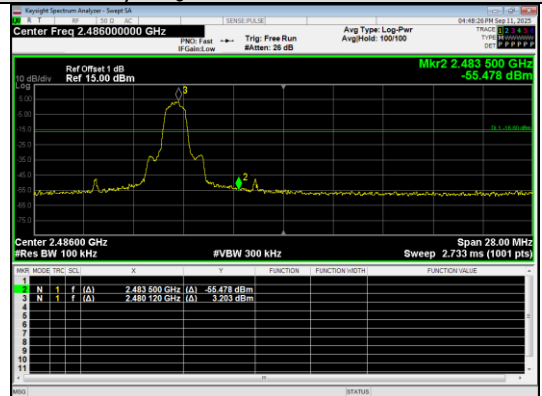
Out Of Band Emission $\pi/4$ DQPSK_2-DH5_Channel 39



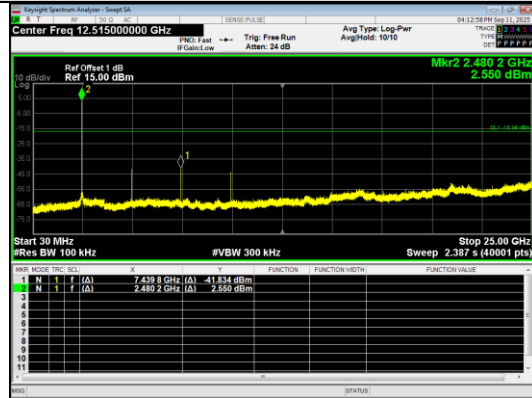
30.0 MHz - 25000.0 MHz GFSK_DH5_Channel 39



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

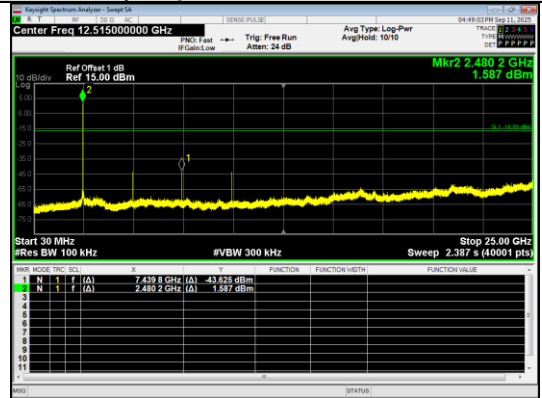


Out Of Band Emission GFSK_DH5_Channel 78

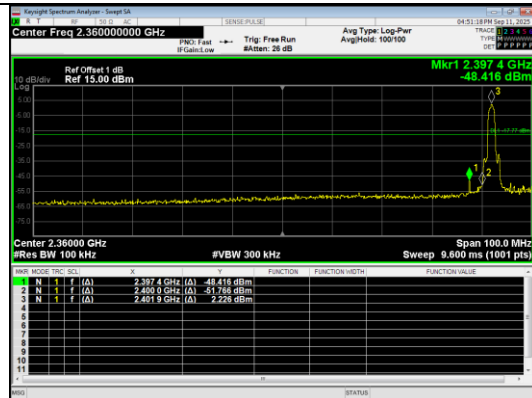


30.0 MHz - 25000.0 MHz
GFSK_DH5_Channel 78

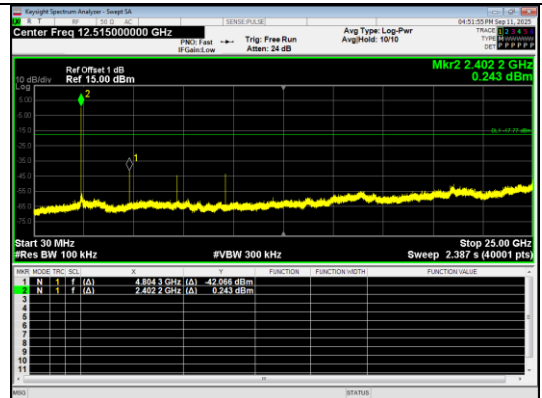
Out Of Band Emission $\pi/4$ DQPSK_2-DH5_Channel 78



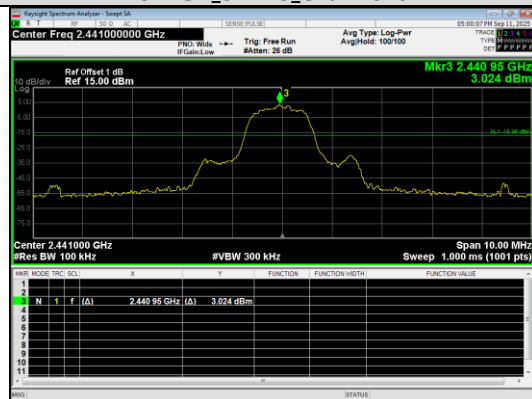
30.0 MHz - 25000.0 MHz
 $\pi/4$ DQPSK_2-DH5_Channel 78



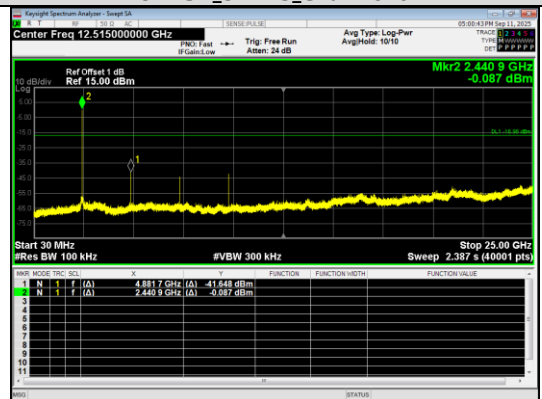
Out Of Band Emission
8DPSK_3-DH5_Channel 0



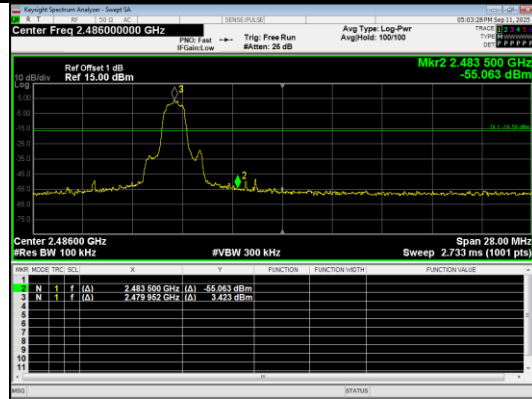
30.0 MHz - 25000.0 MHz
8DPSK_3-DH5_Channel 0



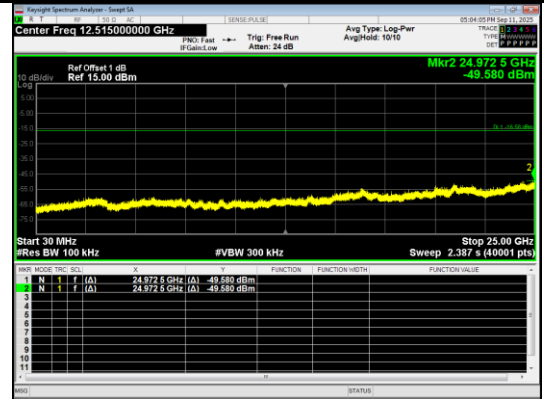
Out Of Band Emission
8DPSK_3-DH5_Channel 39



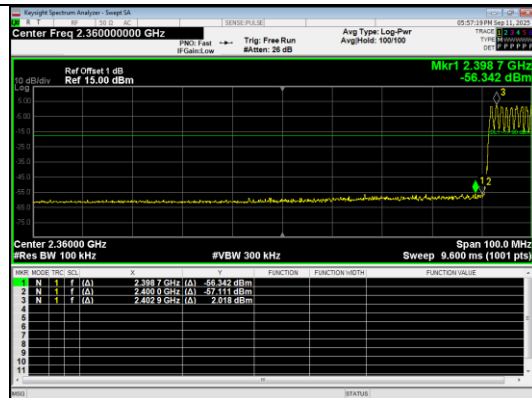
30.0 MHz - 25000.0 MHz
8DPSK_3-DH5_Channel 39



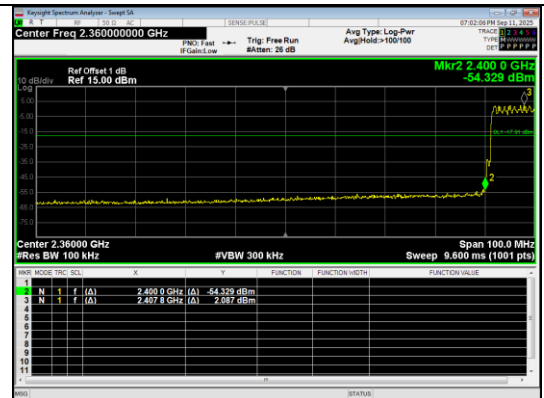
Out Of Band Emission
8DPSK_3-DH5_Channel 78



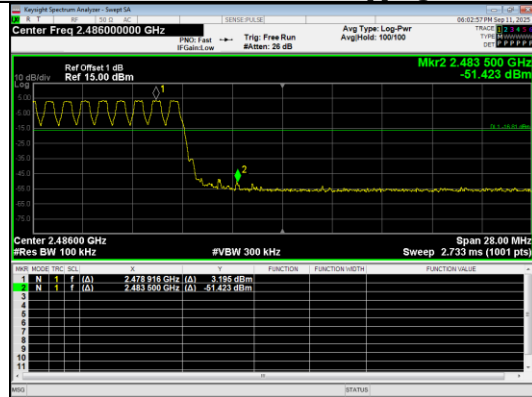
30.0 MHz - 25000.0 MHz
8DPSK_3-DH5_Channel 78



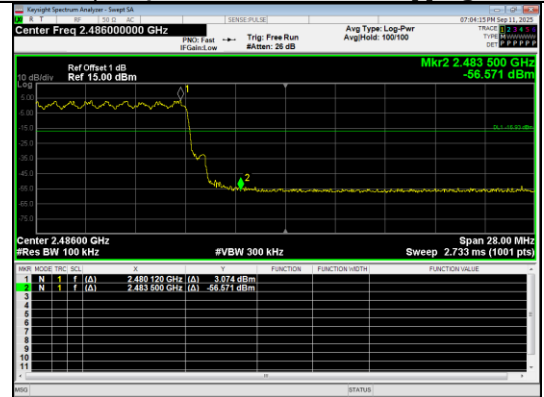
Out Of Band Emission(Left)
GFSK_DH5_Channel Hopping



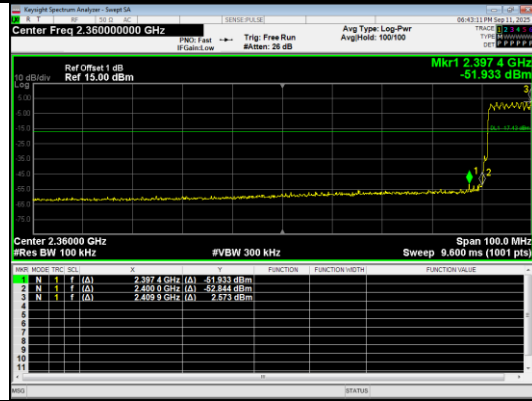
Out Of Band Emission(Left)
 $\pi/4$ DQPSK_2-DH5_Channel Hopping



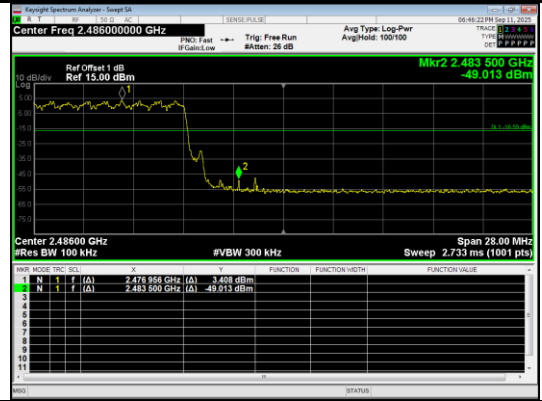
Out Of Band Emission(Right)
GFSK_DH5_Channel Hopping



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 *****