

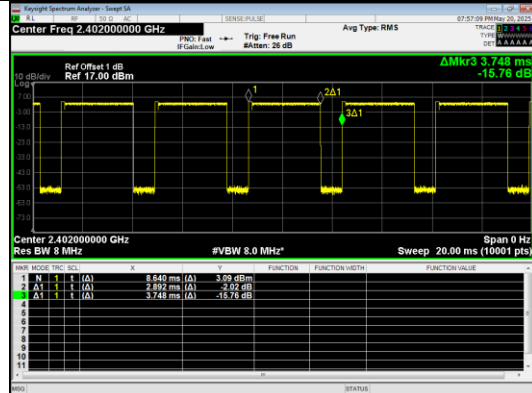
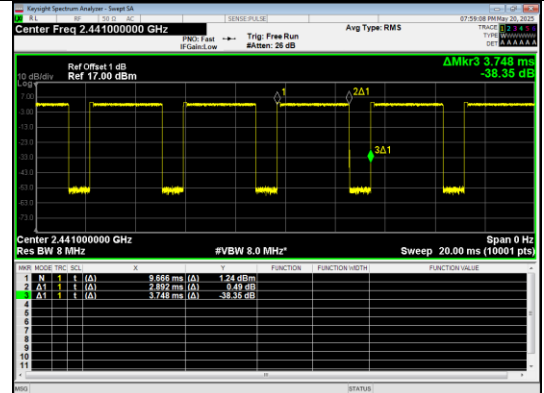
Duty Cycle

Test Result

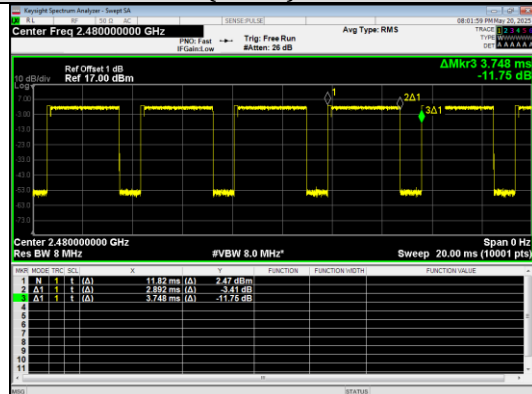
Modulation	Packets	Channel	On Time (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle (linear)	Duty Cycle Factor (dB)	1/T
GFSK	DH5	0	2.886	3.748	77.00	0.7700	1.1351	0.3465
		39	2.886	3.748	77.00	0.7700	1.1351	0.3465
		78	2.886	3.748	77.00	0.7700	1.1351	0.3465
$\pi/4$ DQPSK	2-DH5	0	2.890	3.748	77.11	0.7711	1.1289	0.3460
		39	2.890	3.748	77.11	0.7711	1.1289	0.3460
		78	2.892	3.748	77.16	0.7716	1.1261	0.3458
8DPSK	3-DH5	0	2.892	3.748	77.16	0.7716	1.1261	0.3458
		39	2.892	3.748	77.16	0.7716	1.1261	0.3458
		78	2.892	3.748	77.16	0.7716	1.1261	0.3458

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

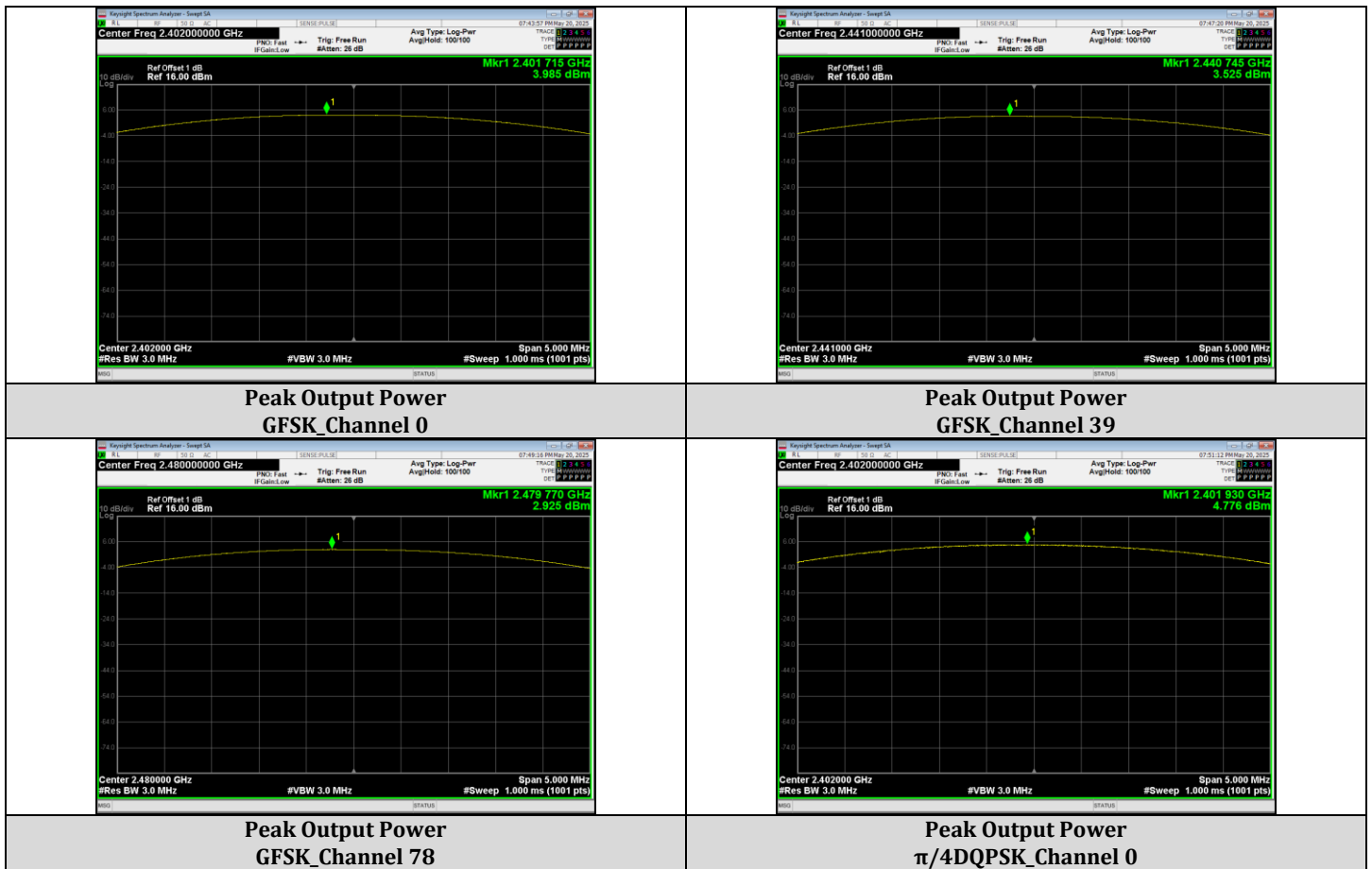
8DPSK(3-DH5)_Channel 78

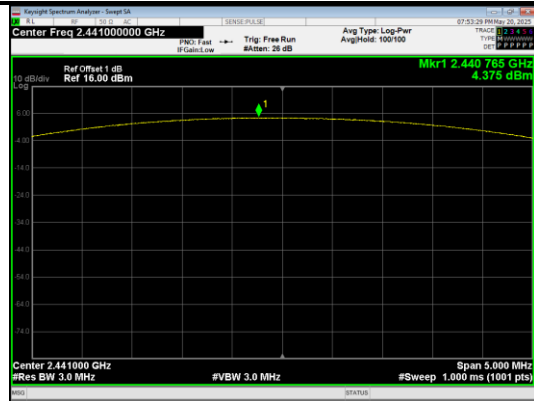
Conducted Output Power

Test Result

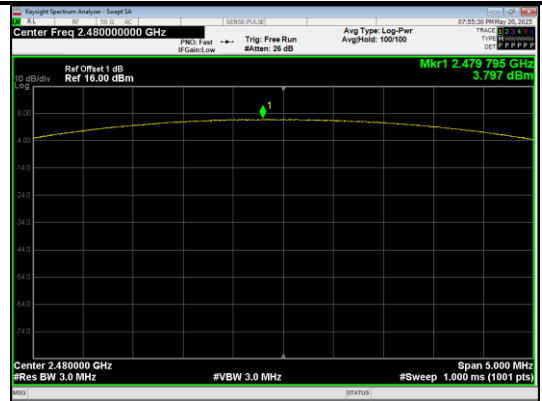
Modulation	Packet Type	Channel	Peak Output Power (dBm)	Peak Output Power (mW)	Limit (dBm)	Result
GFSK	DH5	0	3.98	2.50	≤30	PASS
		39	3.52	2.25		PASS
		78	2.92	1.96		PASS
$\pi/4$ DQPSK	2-DH5	0	4.78	3.00	≤20.97	PASS
		39	4.38	2.74		PASS
		78	3.80	2.40		PASS
8DPSK	3-DH5	0	5.12	3.25	≤20.97	PASS
		39	4.76	2.99		PASS
		78	4.24	2.66		PASS

Test Graphs

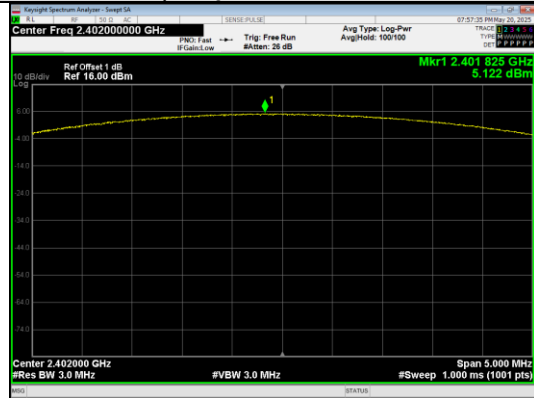




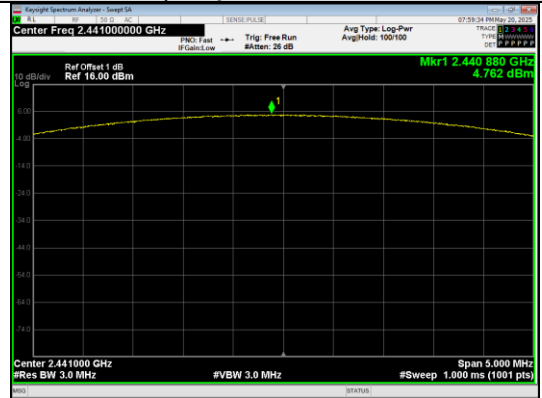
Peak Output Power
 $\pi/4$ DQPSK_Channel 39



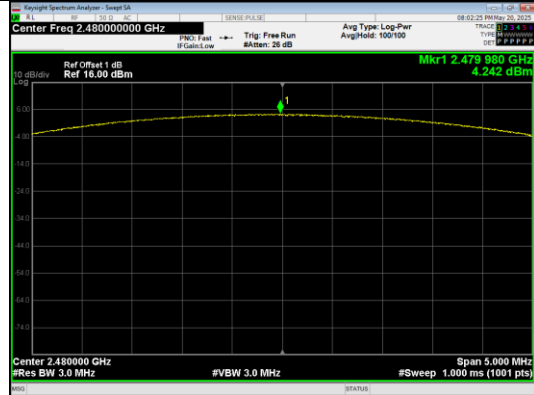
Peak Output Power
 $\pi/4$ DQPSK_Channel 78



Peak Output Power
8DPSK_Channel 0



Peak Output Power
8DPSK_Channel 39



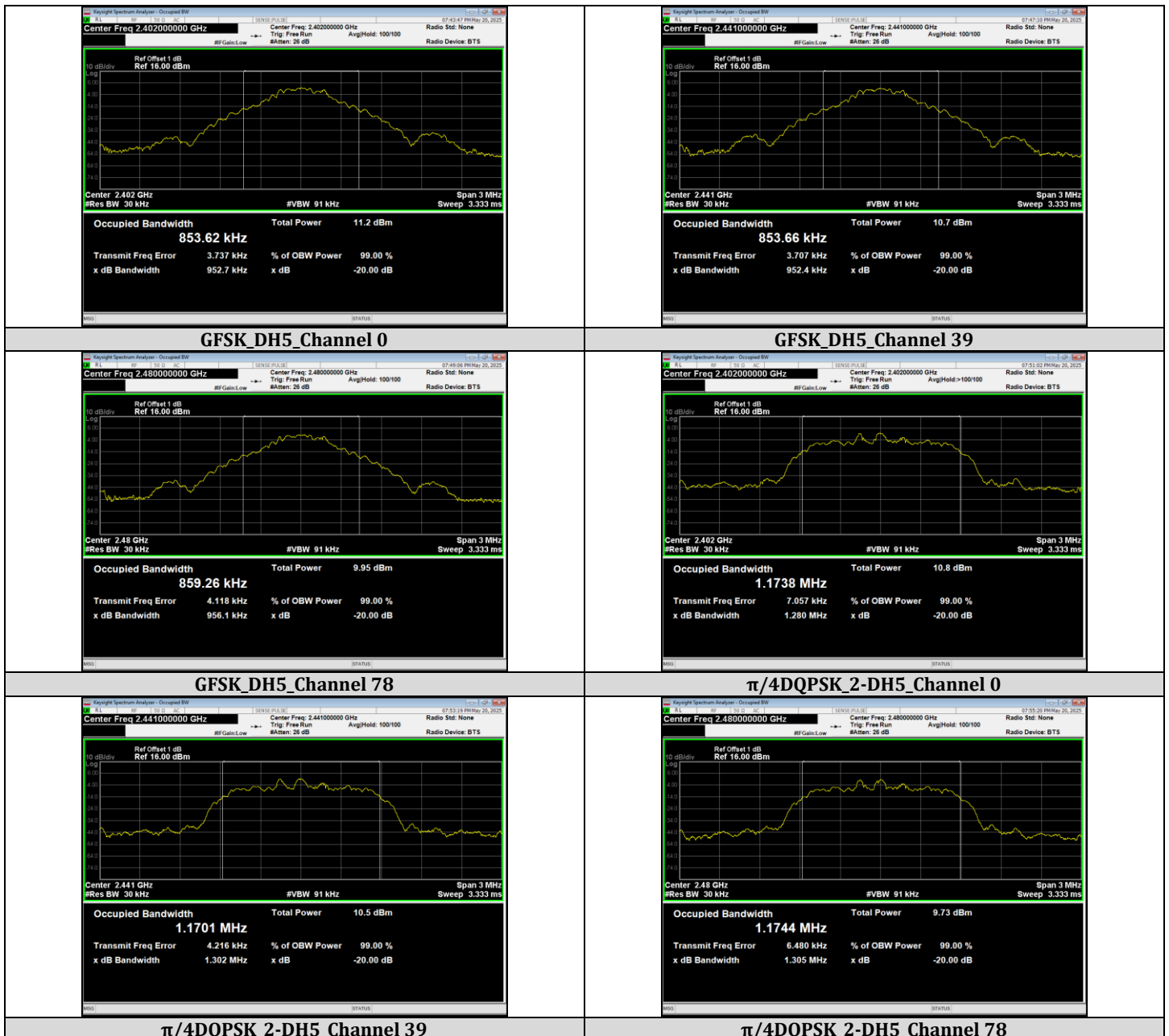
Peak Output Power
8DPSK_Channel 78

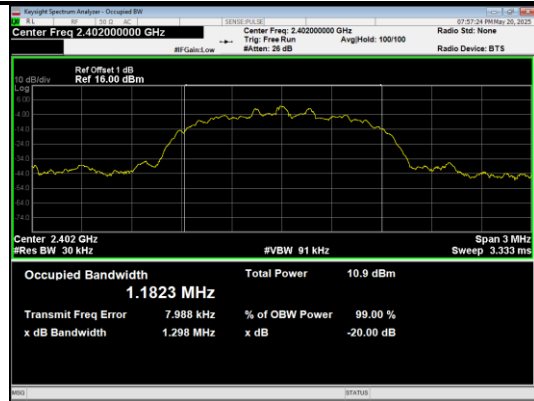
20dB Bandwidth

Test Result

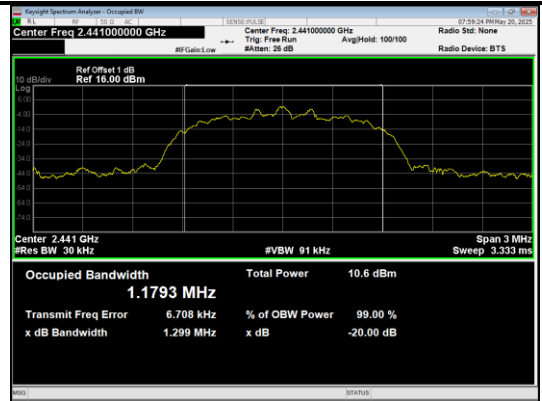
Modulation	Channel	Center Frequency (MHz)	20 dB Bandwidth (MHz)
GFSK	0	2402 MHz	0.9527
	39	2441 MHz	0.9524
	78	2480 MHz	0.9561
$\pi/4$ DQPSK	0	2402 MHz	1.280
	39	2441 MHz	1.302
	78	2480 MHz	1.305
8DPSK	0	2402 MHz	1.298
	39	2441 MHz	1.299
	78	2480 MHz	1.299

Test Graphs

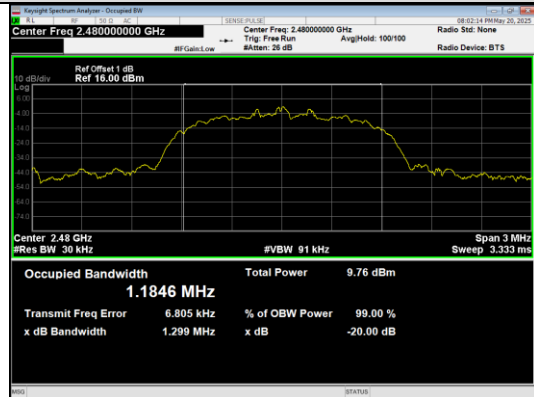




8DPSK_3-DH5_Channel 0



8DPSK_3-DH5_Channel 39



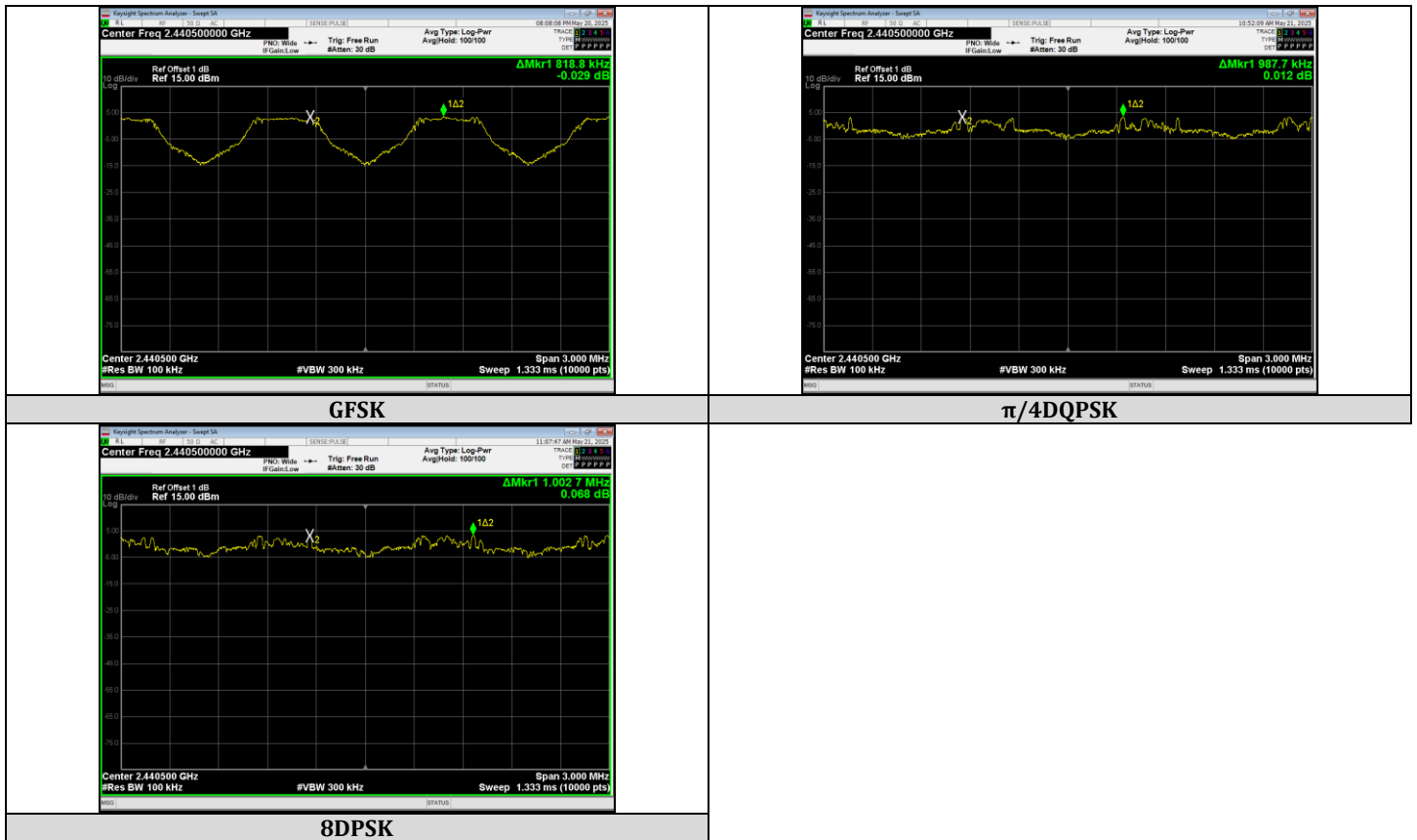
8DPSK_3-DH5_Channel 78

Carrier Frequencies Separation

Test Result

Modulation	Packet	Left Center frequency (MHz)	Right Center frequency (MHz)	Hopping Frequency Separation (MHz)	Limit (MHz)	Result
GFSK	DH5	2440.1617	2440.9805	0.8188	0.637	PASS
$\pi/4$ DQPSK	2-DH5	2439.8515	2440.8392	0.9877	0.87	PASS
8DPSK	3-DH5	2440.1593	2441.162	1.0027	0.866	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

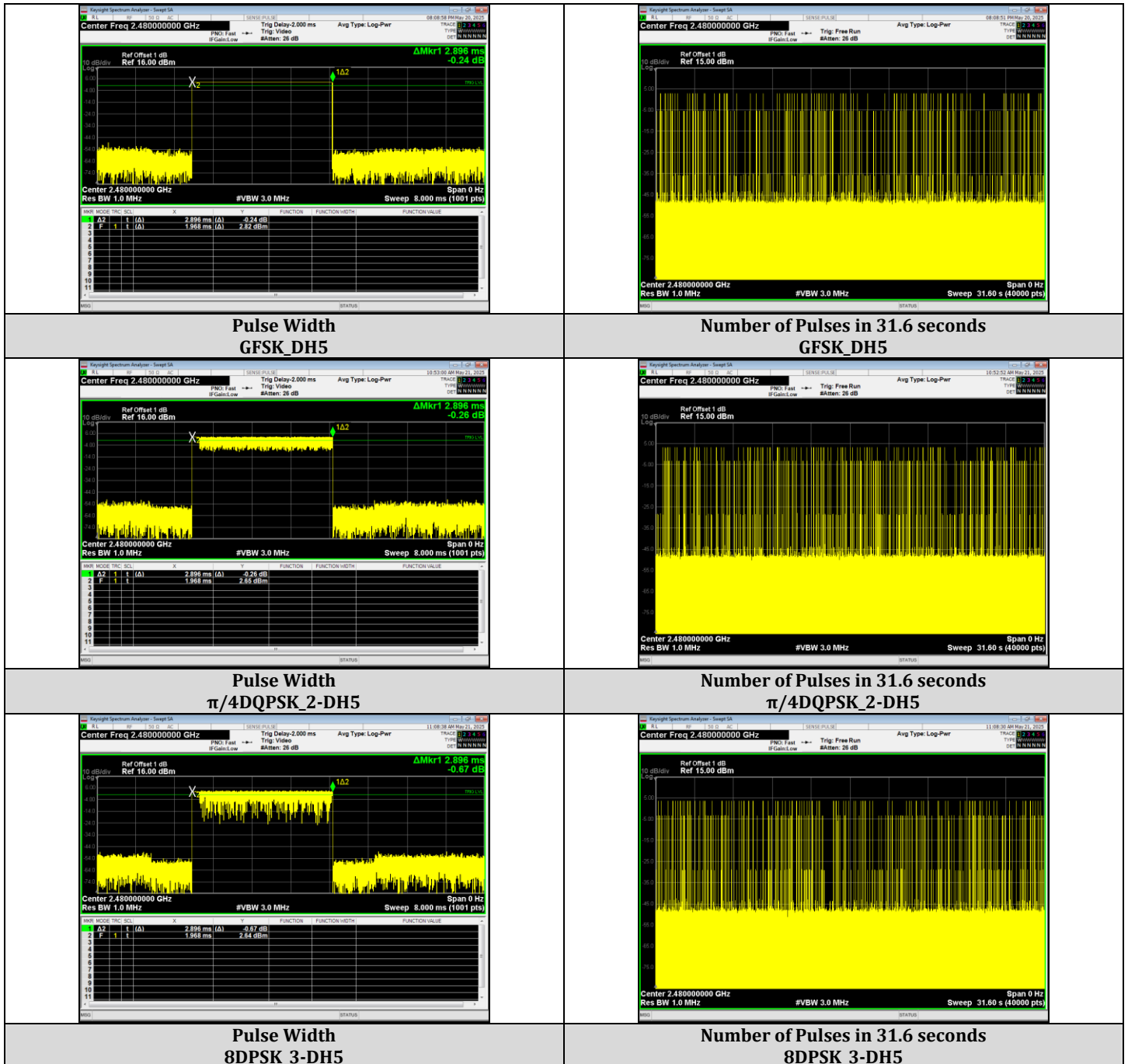


Dwell Time

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		2.896	115	333.04		PASS
8DPSK	3-DH5		2.896	107	309.87		PASS

Test Graphs



Conducted Out Of Band Emission

Test Result

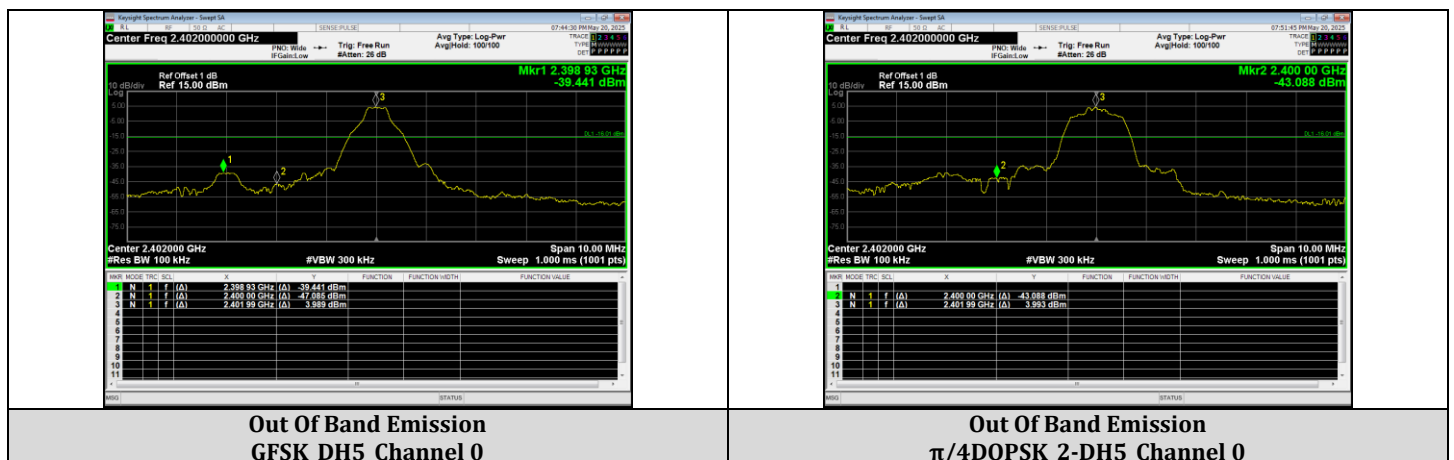
Non-Hopping

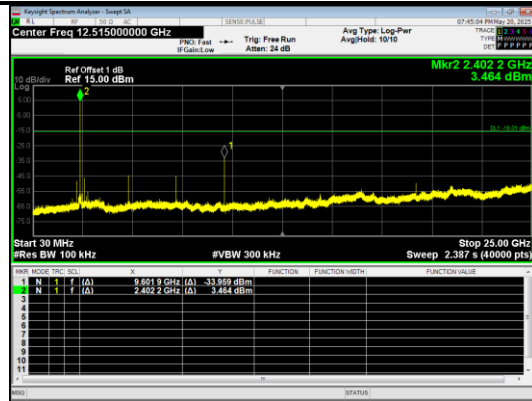
Modulation	Packet	Channel	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result
GFSK	DH5	0	2398.93	-39.441	-16.01	-23.431	PASS
			2400.00	-47.085	-16.01	-31.075	PASS
			9601.90	-33.959	-16.01	-17.949	PASS
		39	9757.93	-33.068	-16.6	-16.468	PASS
		78	2483.50	-50.930	-17.11	-33.820	PASS
			9914.00	-32.049	-17.11	-14.939	PASS
$\pi/4$ DQPSK	2-DH5	0	2399.00	-39.210	-16.01	-23.200	PASS
			2400.00	-43.088	-16.01	-27.078	PASS
			9601.90	-33.623	-16.01	-17.613	PASS
		39	9757.93	-32.931	-16.47	-16.461	PASS
		78	2483.50	-50.865	-17.12	-33.745	PASS
			9914.00	-31.881	-17.12	-14.761	PASS
8DPSK	3-DH5	0	2398.99	-39.301	-16.14	-23.161	PASS
			2400.00	-44.502	-16.14	-28.362	PASS
			9601.90	-33.580	-16.14	-17.440	PASS
		39	9757.93	-32.954	-16.45	-16.504	PASS
		78	2483.50	-50.979	-17.08	-33.899	PASS
			9914.00	-32.020	-17.08	-14.940	PASS

Hopping

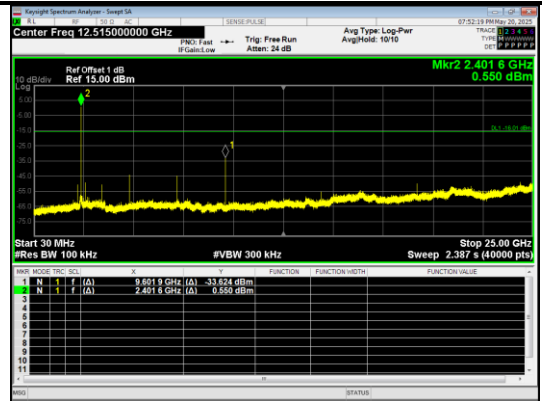
Modulation	Packet	Channel	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result
GFSK	DH5	Hopping	2400.00	-39.570	-16.15	-23.420	PASS
			2483.50	-52.302	-17.25	-35.052	PASS
$\pi/4$ DQPSK	2-DH5		2400.00	-40.962	-16.22	-24.742	PASS
			2483.50	-53.408	-17.22	-36.188	PASS
8DPSK	3-DH5		2400.00	-40.341	-16.35	-23.991	PASS
			2483.50	-54.677	-17.34	-37.337	PASS

Test Graphs

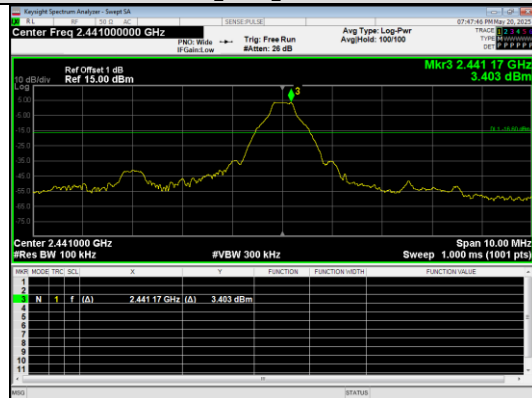




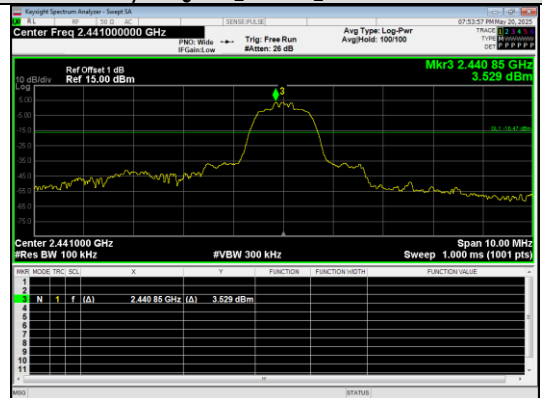
30.0 MHz - 25000.0 MHz
GFSK_DH5_Channel 0



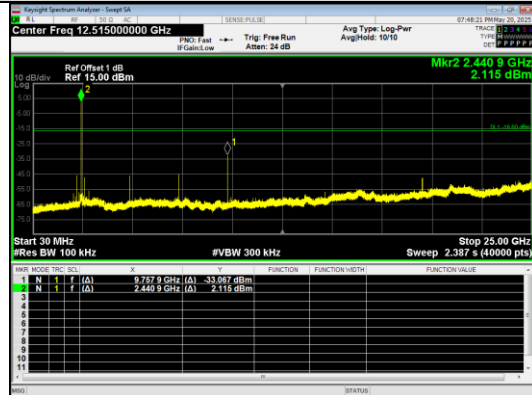
30.0 MHz - 25000.0 MHz
 $\pi/4$ DQPSK_2-DH5_Channel 0



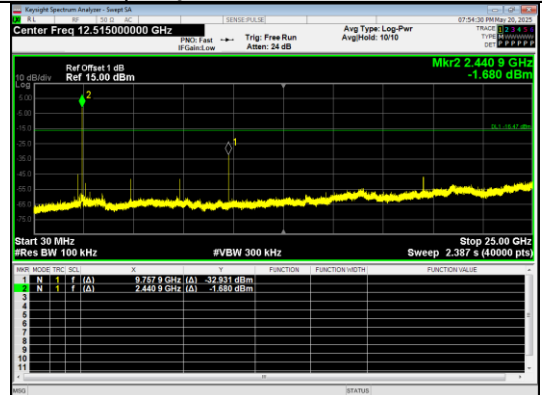
Out Of Band Emission
GFSK_DH5_Channel 39



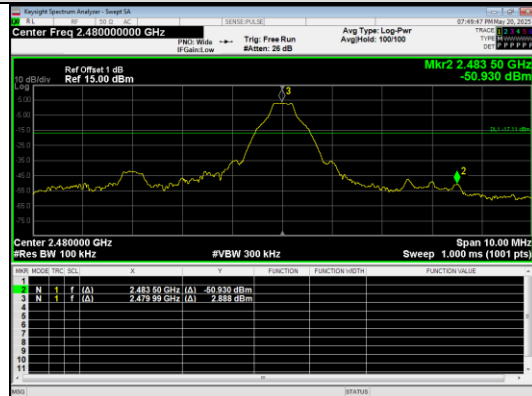
Out Of Band Emission
 $\pi/4$ DQPSK_2-DH5_Channel 39



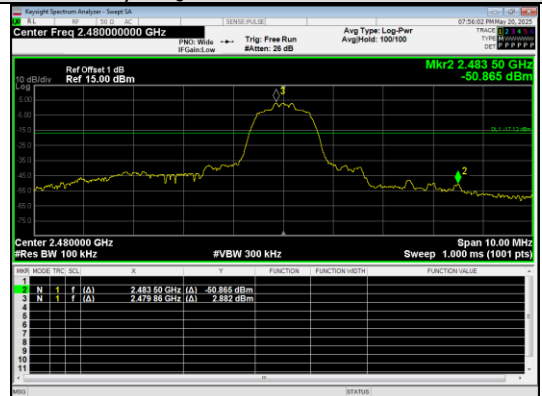
30.0 MHz - 25000.0 MHz
GFSK_DH5_Channel 39



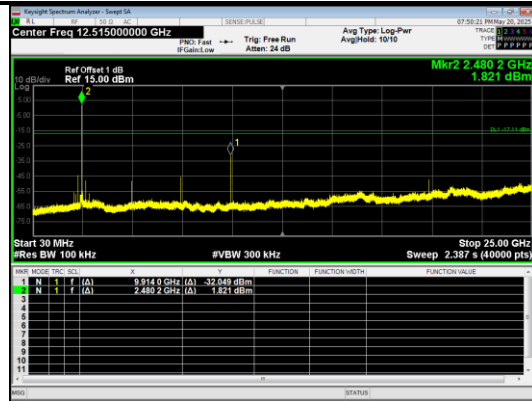
30.0 MHz - 25000.0 MHz
 $\pi/4$ DQPSK_2-DH5_Channel 39



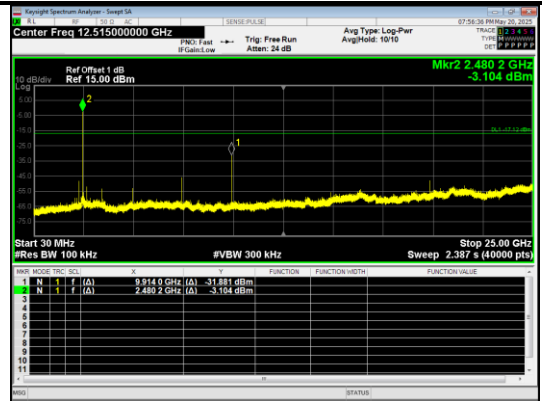
Out Of Band Emission
GFSK_DH5_Channel 78



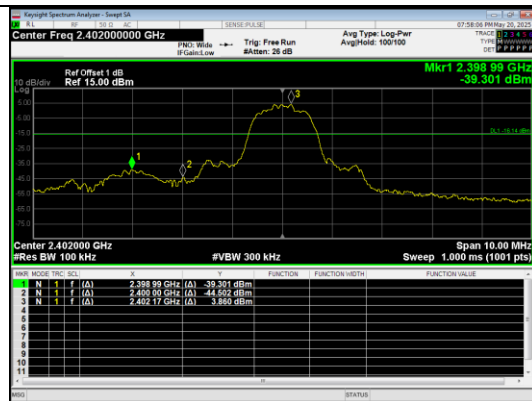
Out Of Band Emission
 $\pi/4$ DQPSK_2-DH5_Channel 78



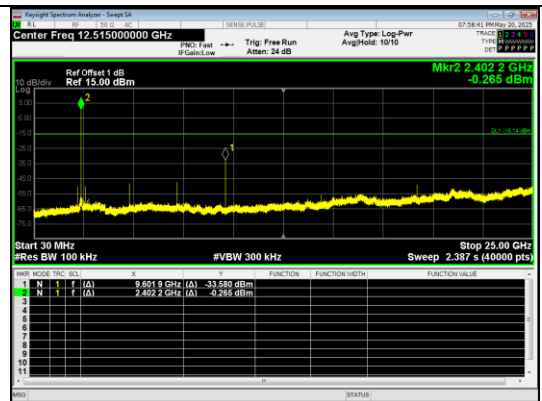
30.0 MHz - 25000.0 MHz
GFSK_DH5_Channel 78



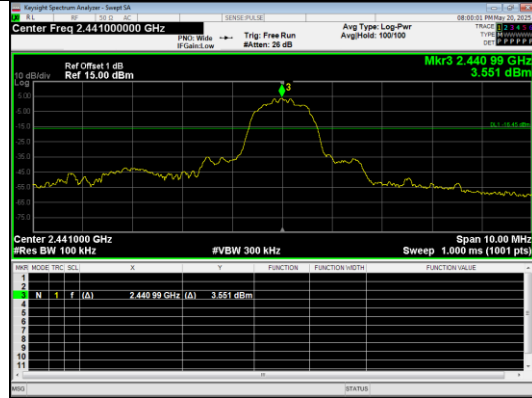
30.0 MHz - 25000.0 MHz
 $\pi/4$ DQPSK_2-DH5_Channel 78



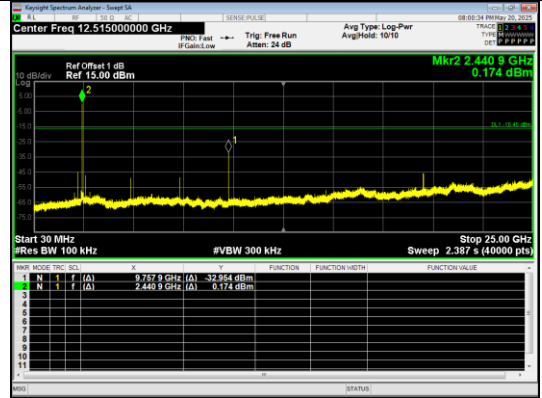
Out Of Band Emission
8DPSK_3-DH5_Channel 0



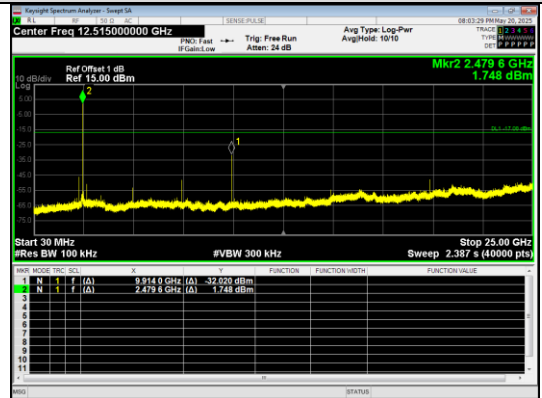
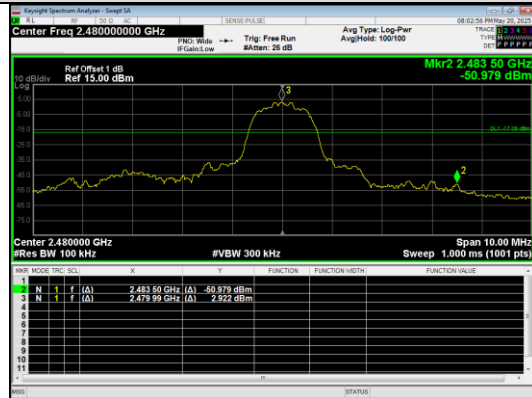
30.0 MHz - 25000.0 MHz
8DPSK_3-DH5_Channel 0

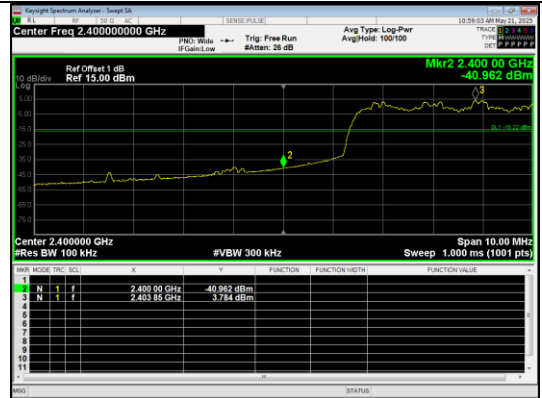
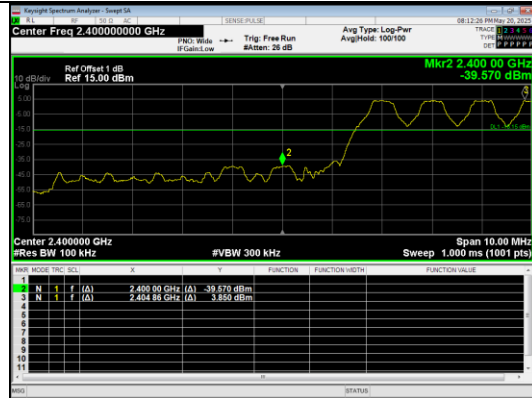
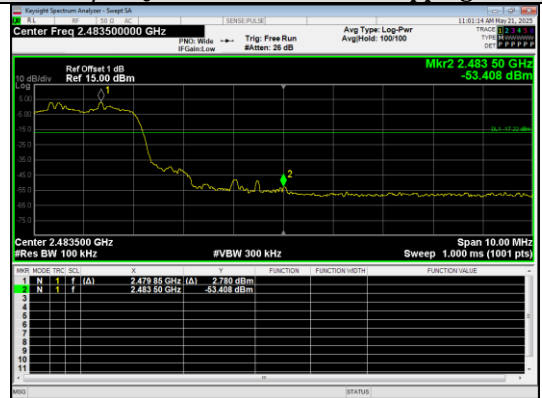
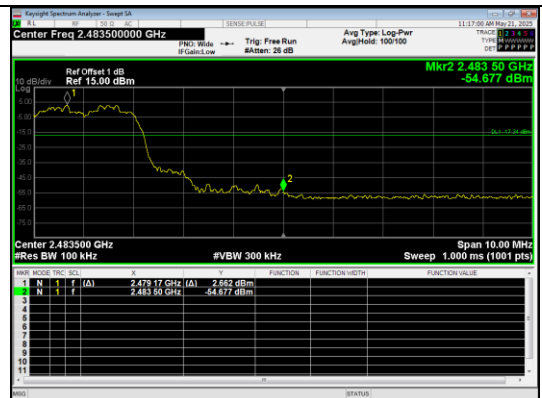


Out Of Band Emission
8DPSK_3-DH5_Channel 39



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)
8DPSK_DH5_Channel Hopping****Out Of Band Emission(Left)
 $\pi/4$ DQPSK_2-DH5_Channel Hopping****Out Of Band Emission(Right)
8DPSK_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 *****