

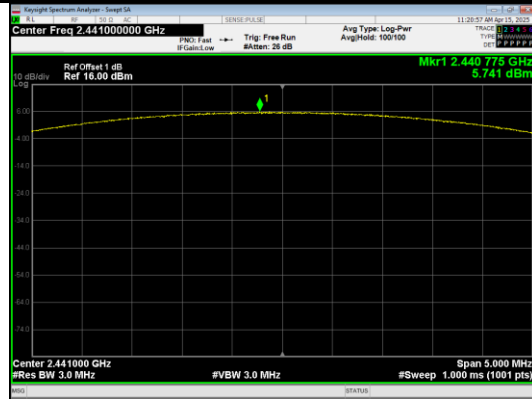
Conducted Output Power

Test Result

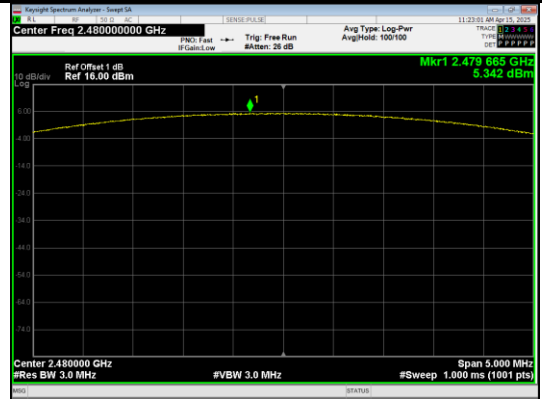
Modulation	Packet Type	Channel	Peak Output Power (dBm)	Peak Output Power (mW)	Limit (dBm)	Result
GFSK	DH5	0	6.32	4.29	≤30	PASS
		39	4.58	2.87		PASS
		78	4.76	2.99		PASS
$\pi/4$ DQPSK	2-DH5	0	6.74	4.72	≤20.97	PASS
		39	5.74	3.75		PASS
		78	5.34	3.42		PASS
8DPSK	3-DH5	0	7.03	5.04		PASS
		39	6.01	3.99		PASS
		78	5.63	3.66		PASS

Test Graphs

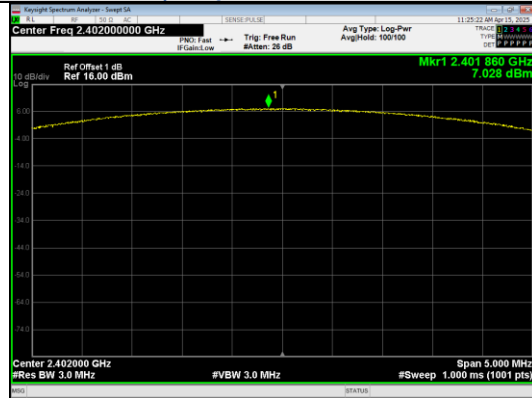




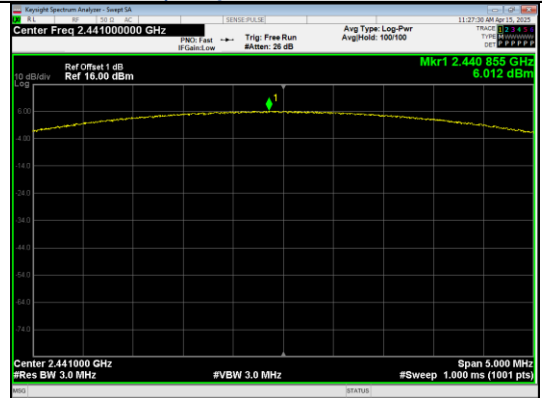
Peak Output Power
 $\pi/4$ DQPSK_Channel 39



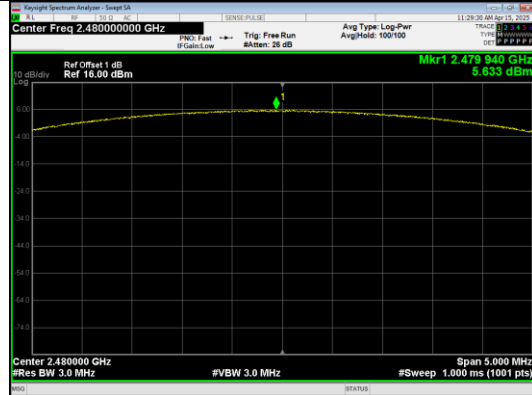
Peak Output Power
 $\pi/4$ DQPSK_Channel 78



Peak Output Power
8DPSK_Channel 0



Peak Output Power
8DPSK_Channel 39



Peak Output Power
8DPSK_Channel 78

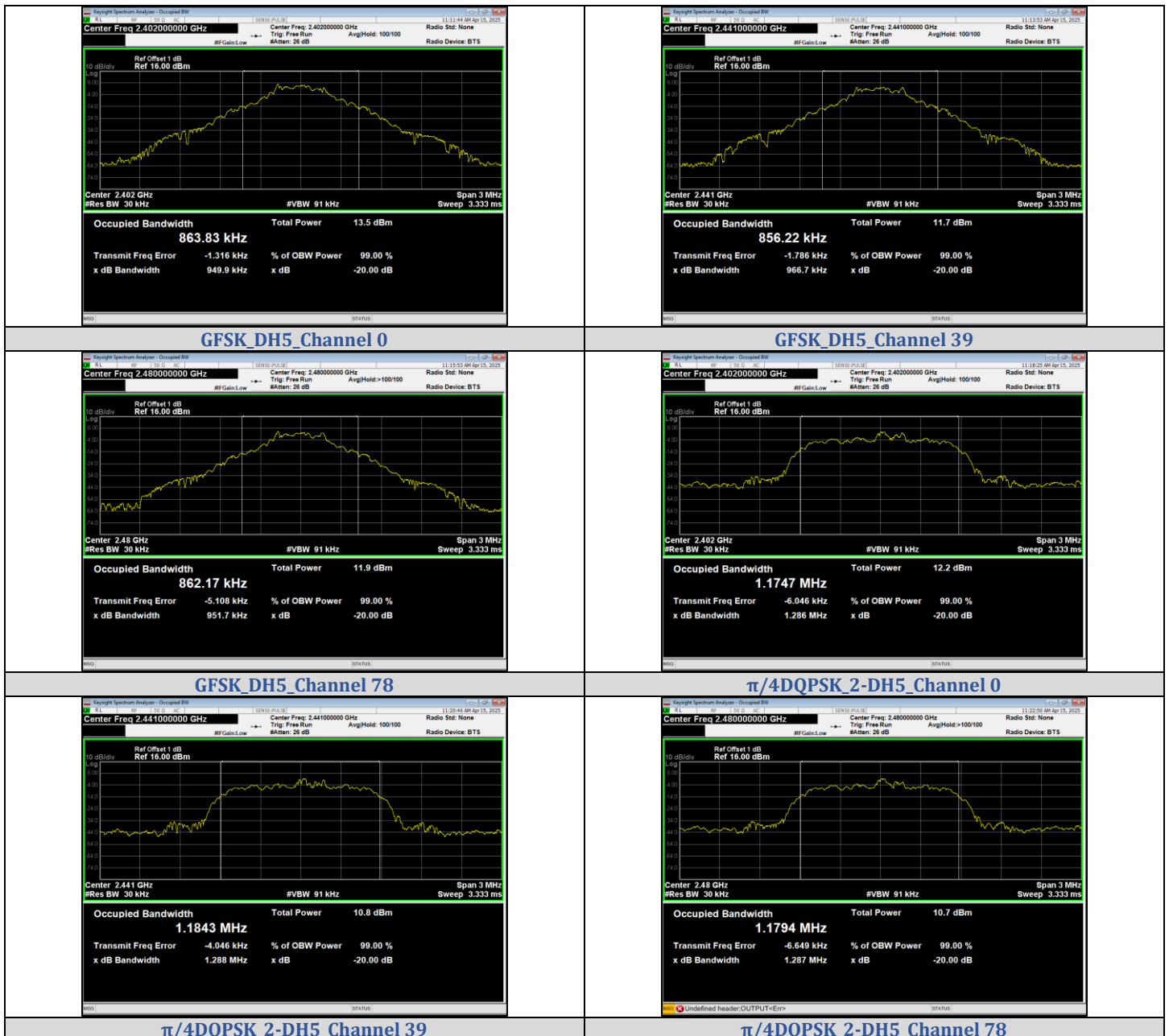


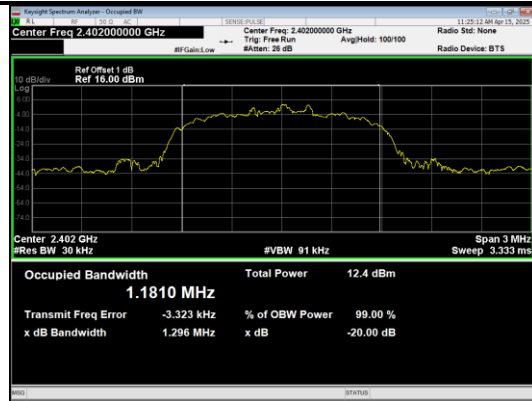
20dB Bandwidth

Test Result

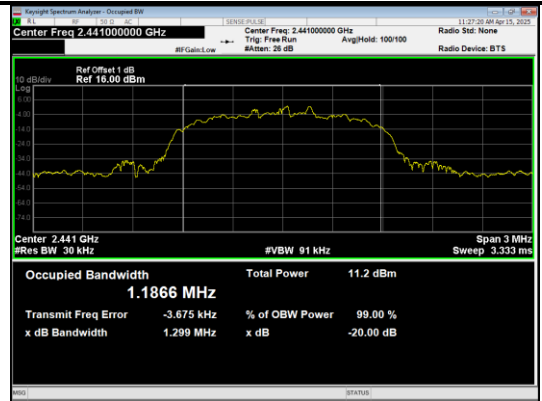
Modulation	Channel	Center Frequency (MHz)	20 dB Bandwidth (MHz)
GFSK	0	2402 MHz	0.9499
	39	2441 MHz	0.9667
	78	2480 MHz	0.9517
$\pi/4$ DQPSK	0	2402 MHz	1.286
	39	2441 MHz	1.288
	78	2480 MHz	1.287
8DPSK	0	2402 MHz	1.296
	39	2441 MHz	1.299
	78	2480 MHz	1.299

Test Graphs

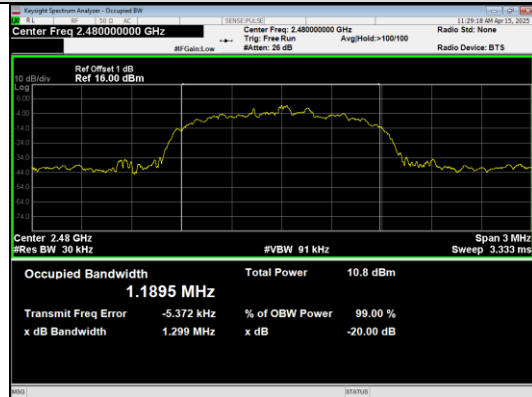




8DPSK_3-DH5_Channel 0



8DPSK_3-DH5_Channel 39



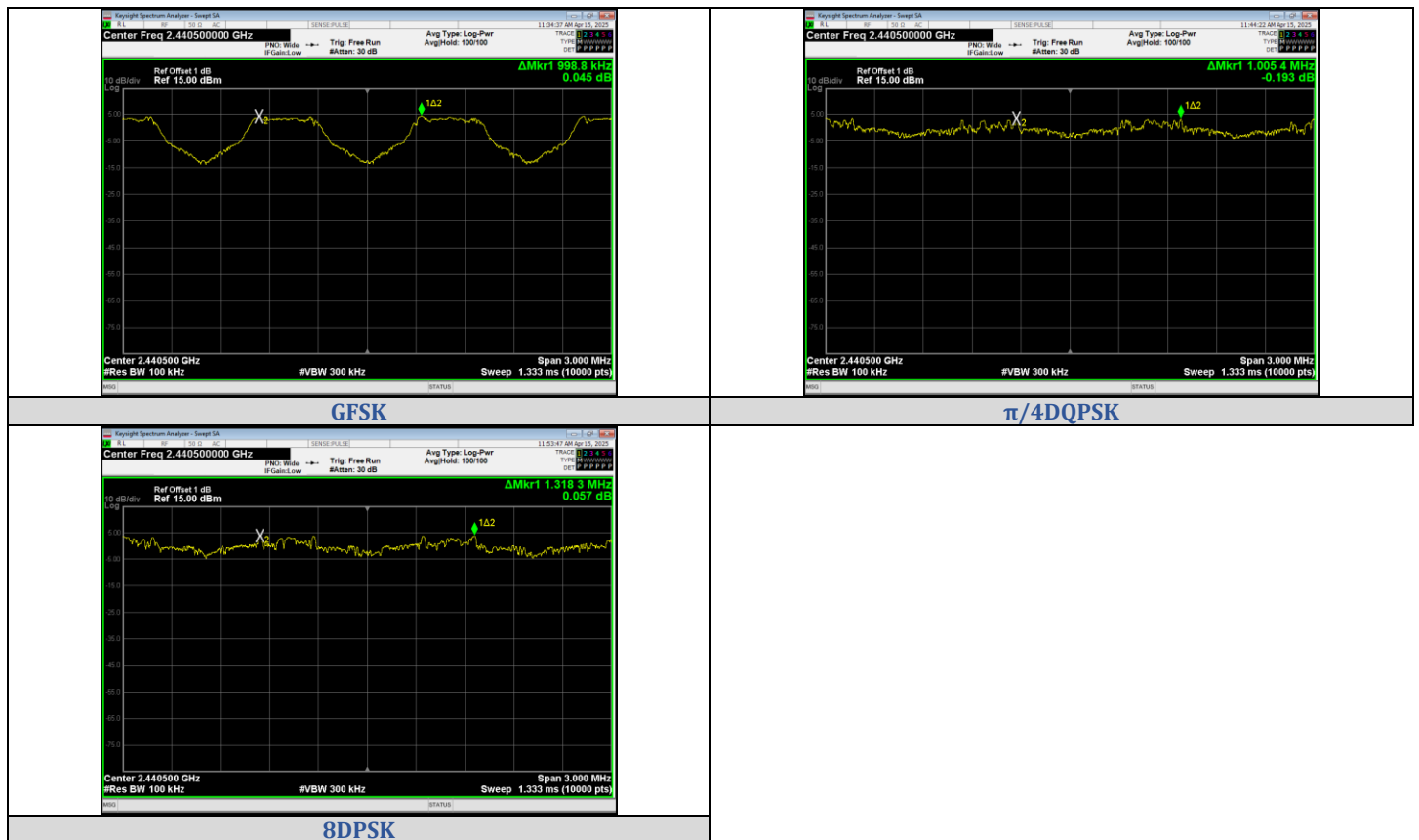
8DPSK_3-DH5_Channel 78

Carrier Frequencies Separation

Test Result

Modulation	Packet	Left Center frequency (MHz)	Right Center frequency (MHz)	Hopping Frequency Separation (MHz)	Limit (MHz)	Result
GFSK	DH5	2439.8323	2440.8311	0.9988	0.644	PASS
$\pi/4$ DQPSK	2-DH5	2440.1725	2441.1779	1.0054	0.859	PASS
8DPSK	3-DH5	2439.8383	2441.1566	1.3183	0.866	PASS

Test Graphs



Conducted Out Of Band Emission

Test Result

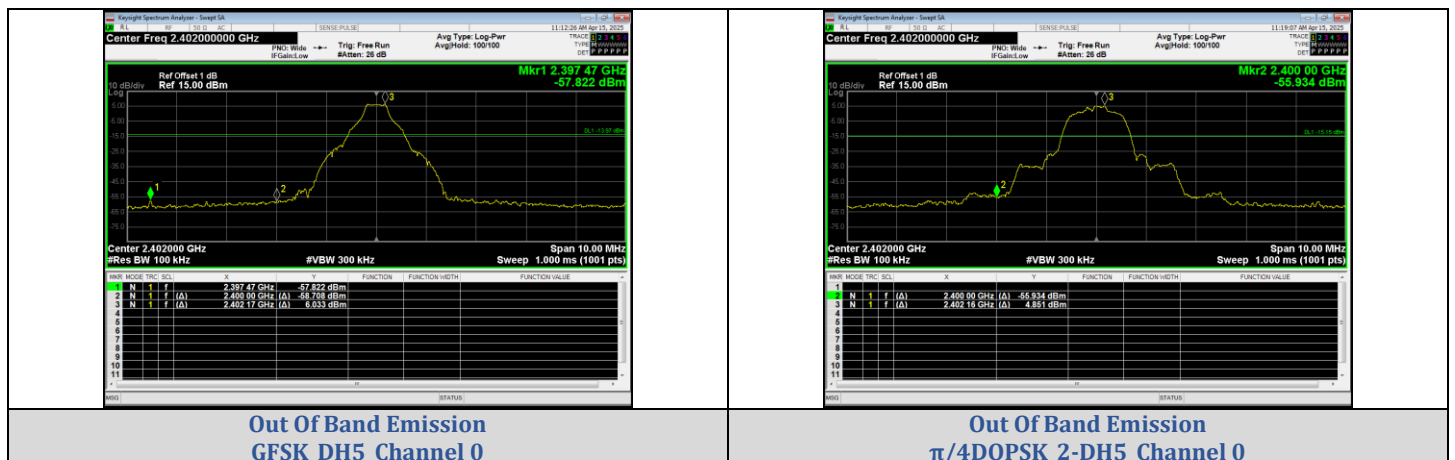
Non-Hopping

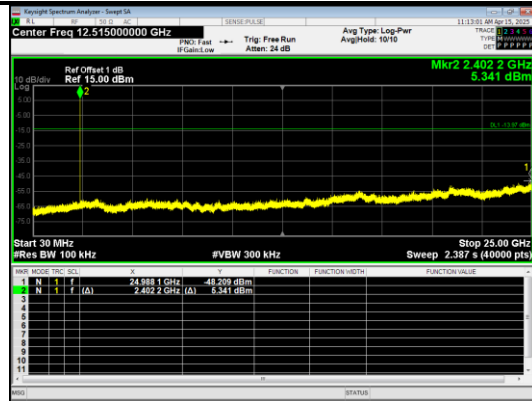
Modulation	Packet	Channel	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result
GFSK	DH5	0	2397.47	-57.822	-13.97	-43.852	PASS
			2400.00	-58.708	-13.97	-44.738	PASS
			24988.1	-48.209	-13.97	-34.239	PASS
		39	24385.1	-49.208	-15.68	-33.528	PASS
		78	2483.50	-58.048	-15.58	-42.468	PASS
			24997.5	-50.001	-15.58	-34.421	PASS
$\pi/4$ DQPSK	2-DH5	0	2400.00	-55.934	-15.15	-40.784	PASS
			24289.6	-49.643	-15.15	-34.493	PASS
		39	24973.8	-50.004	-16.17	-33.834	PASS
		78	2483.50	-59.440	-16.4	-43.040	PASS
			24897.0	-49.261	-16.4	-32.861	PASS
8DPSK	3-DH5	0	2400.00	-54.167	-15.07	-39.097	PASS
			24950.1	-49.428	-15.07	-34.358	PASS
		39	24965.0	-49.340	-16.18	-33.160	PASS
		78	2483.50	-57.843	-16.47	-41.373	PASS
			24993.8	-49.139	-16.47	-32.669	PASS

Hopping

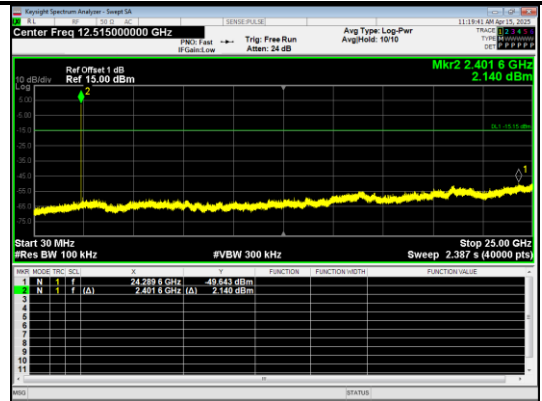
Modulation	Packet	Channel	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result
GFSK	DH5	Hopping	2398.83	-55.503	-13.8	-41.703	PASS
			2400.00	-59.453	-13.8	-45.653	PASS
			2483.50	-58.840	-15.54	-43.300	PASS
π/4DQPSK	2-DH5		2397.01	-55.314	-14.93	-40.384	PASS
			2400.00	-56.010	-14.93	-41.080	PASS
			2483.50	-60.495	-16.52	-43.975	PASS
8DPSK	3-DH5		2400.00	-55.712	-14.93	-40.782	PASS
			2483.50	-59.895	-16.51	-43.385	PASS

Test Graphs

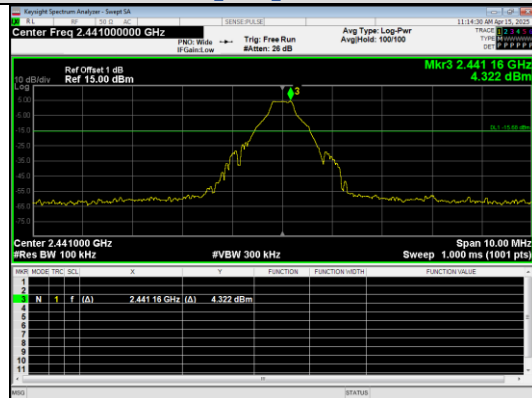




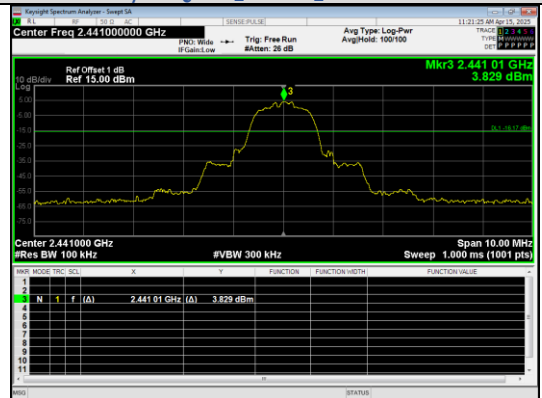
30.0 MHz - 25000.0 MHz
GFSK_DH5_Channel 0



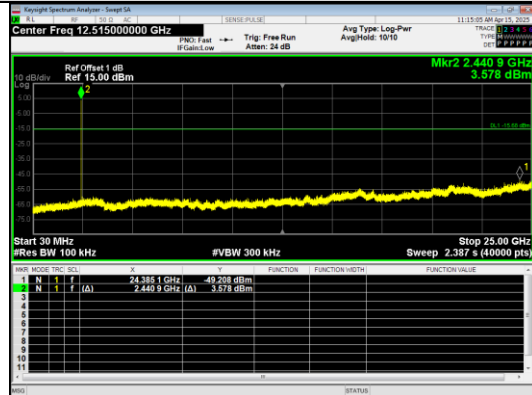
30.0 MHz - 25000.0 MHz
 $\pi/4$ DQPSK_2-DH5_Channel 0



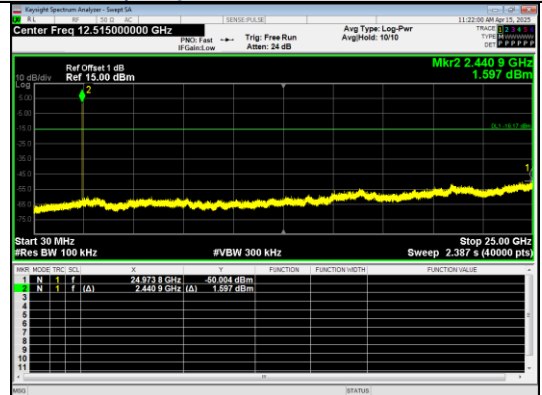
Out Of Band Emission
GFSK_DH5_Channel 39



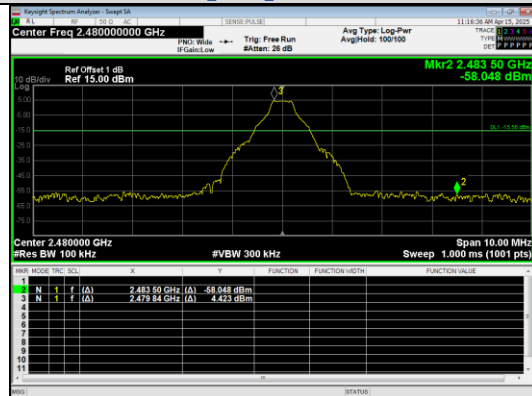
Out Of Band Emission
 $\pi/4$ DQPSK_2-DH5_Channel 39



30.0 MHz - 25000.0 MHz
GFSK_DH5_Channel 39



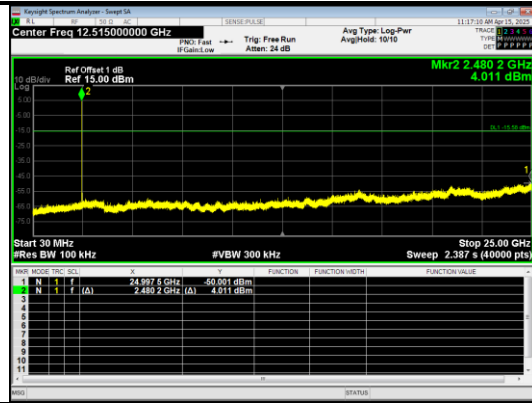
30.0 MHz - 25000.0 MHz
 $\pi/4$ DQPSK_2-DH5_Channel 39



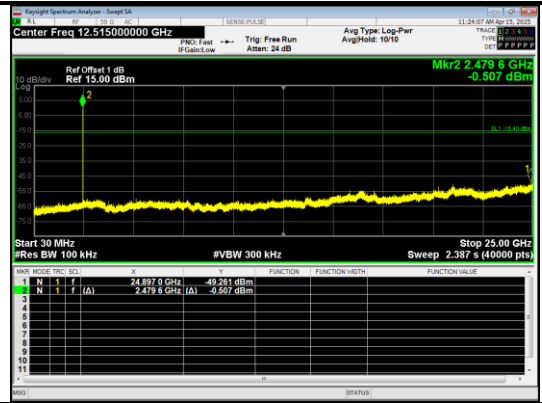
Out Of Band Emission
GFSK_DH5_Channel 78



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



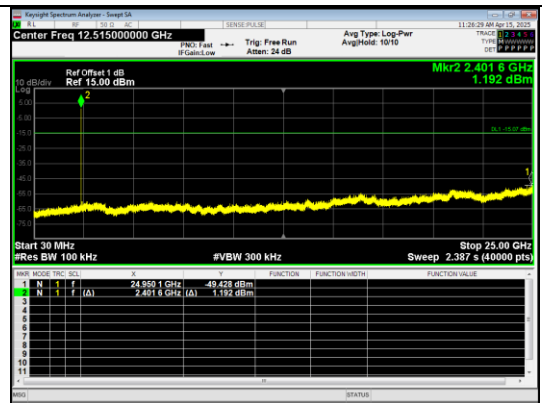
30.0 MHz - 25000.0 MHz
GFSK_DH5_Channel 78



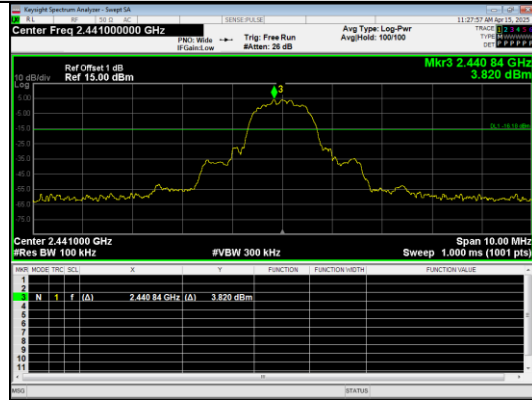
30.0 MHz - 25000.0 MHz
 $\pi/4$ DQPSK_2-DH5_Channel 78



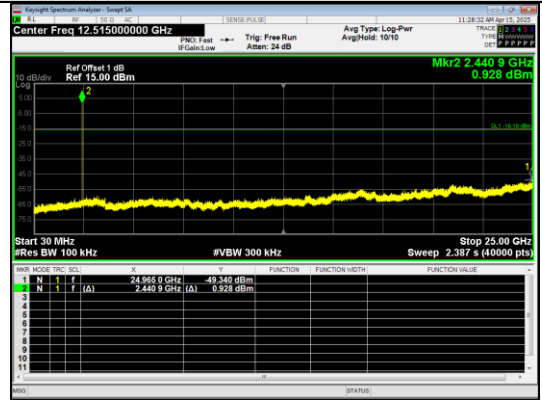
Out Of Band Emission
8DPSK_3-DH5_Channel 0



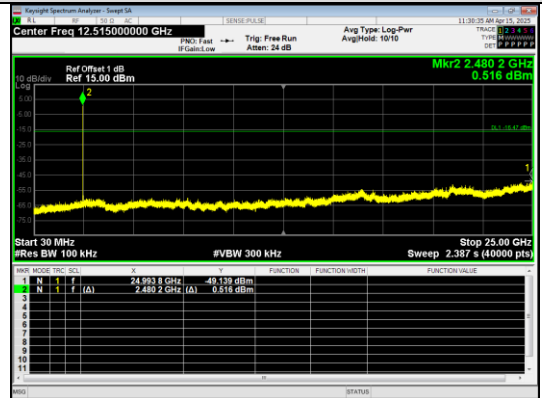
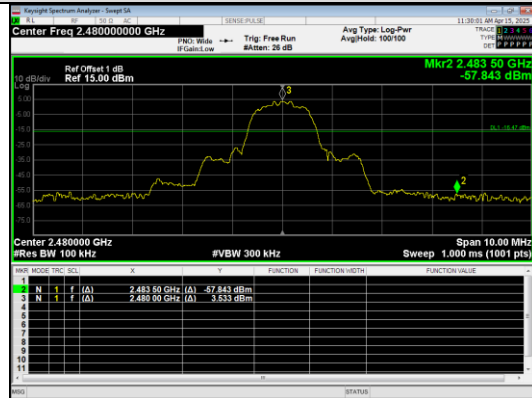
30.0 MHz - 25000.0 MHz
8DPSK_3-DH5_Channel 0



Out Of Band Emission
8DPSK_3-DH5_Channel 39

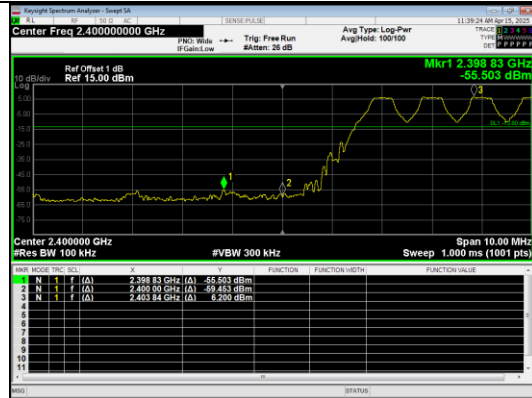


30.0 MHz - 25000.0 MHz
8DPSK_3-DH5_Channel 39



Out Of Band Emission 8DPSK_3-DH5_Channel 78

30.0 MHz - 25000.0 MHz 8DPSK_3-DH5_Channel 78



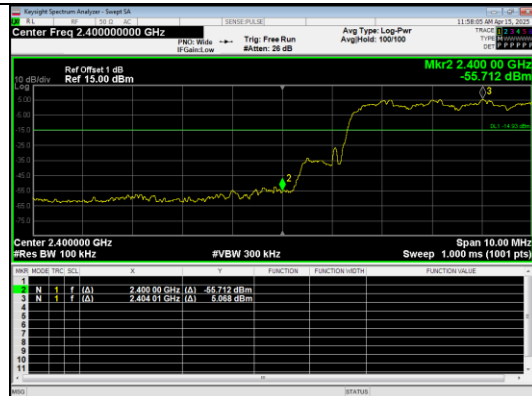
Out Of Band Emission(Left) GFSK_DH5_Channel Hopping

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

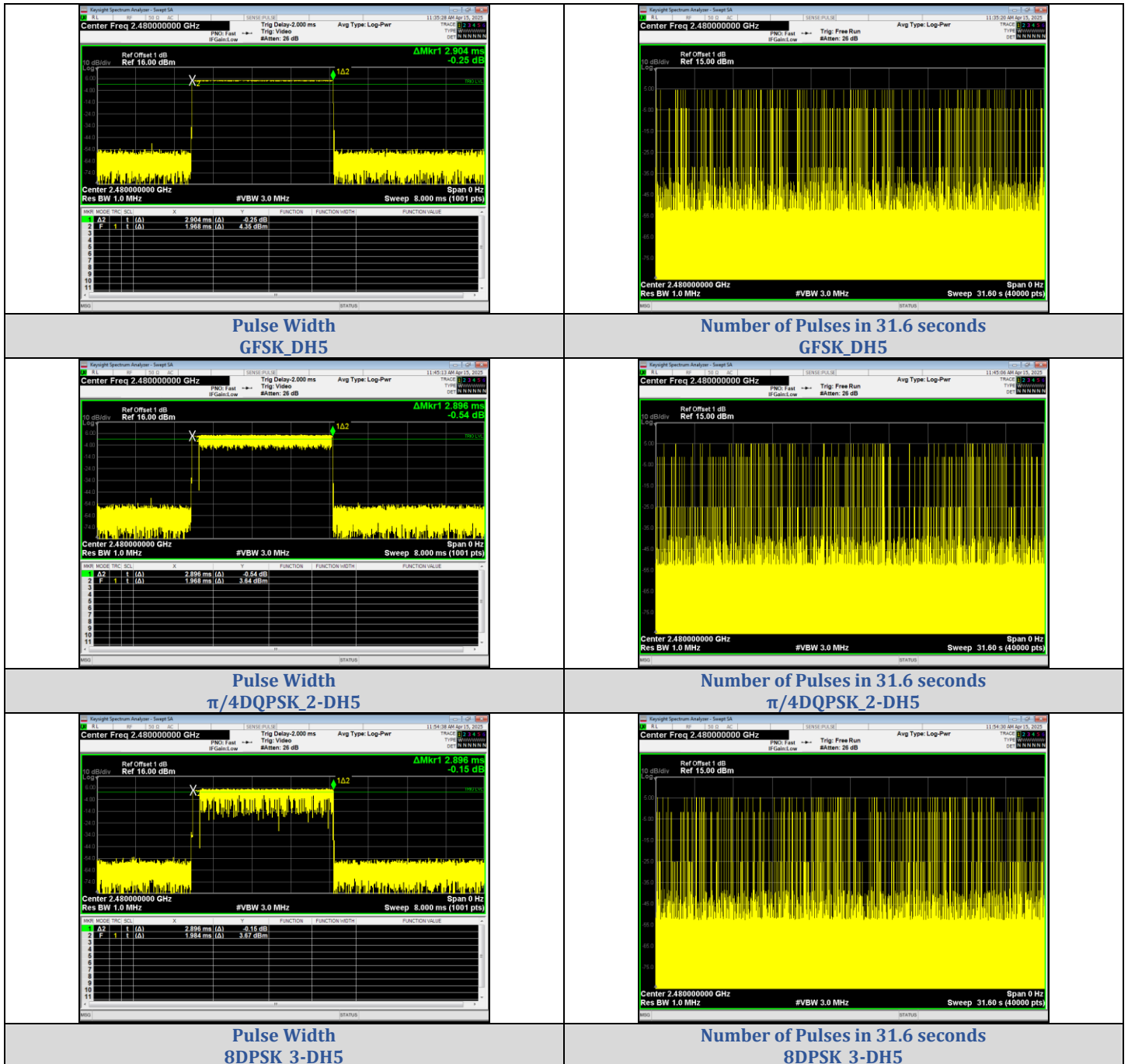


Dwell Time

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)	2.904	99	287.5	< 400	PASS
$\pi/4$ DQPSK	2-DH5		2.896	93	269.33		PASS
8DPSK	3-DH5		2.896	110	318.56		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

