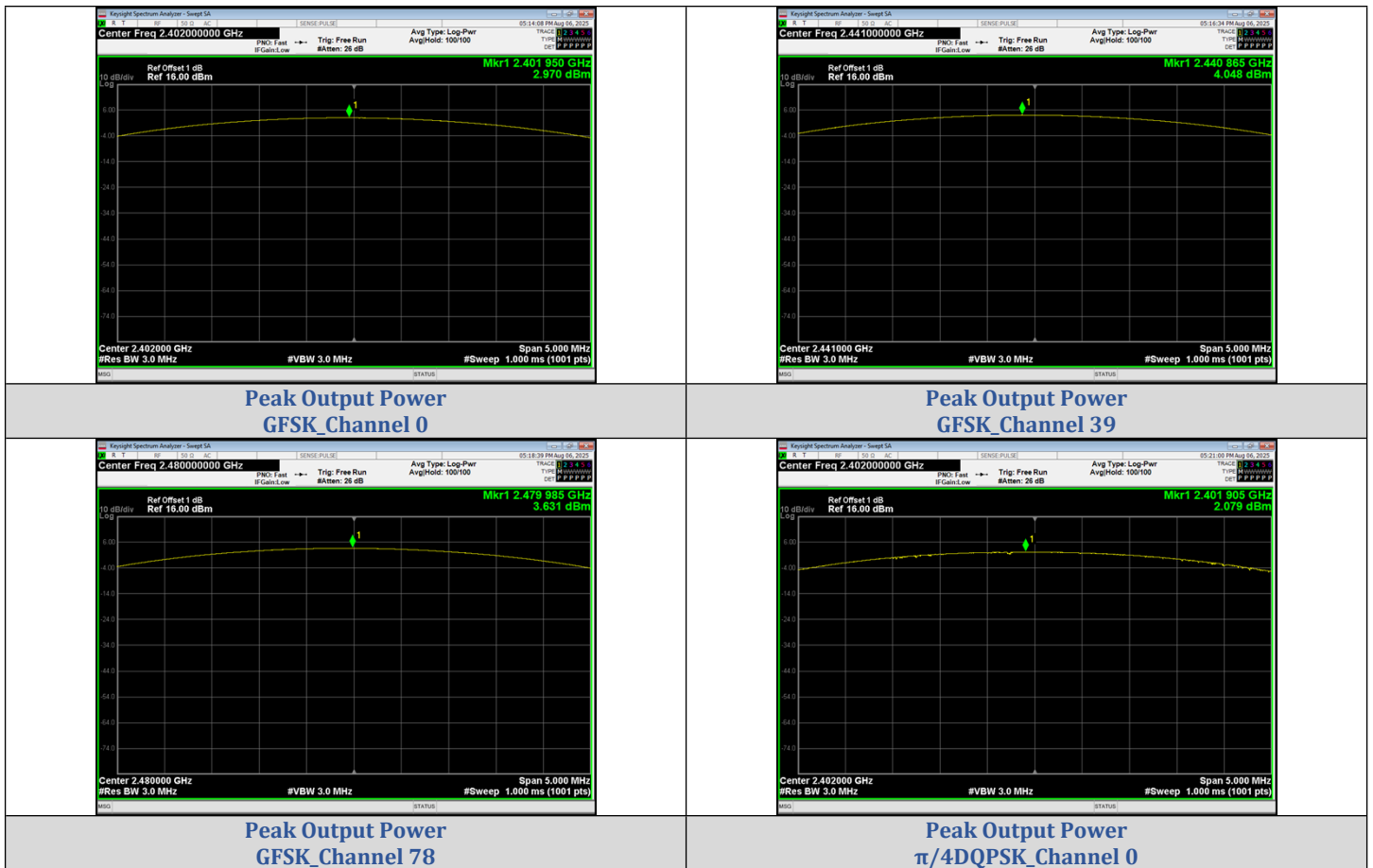


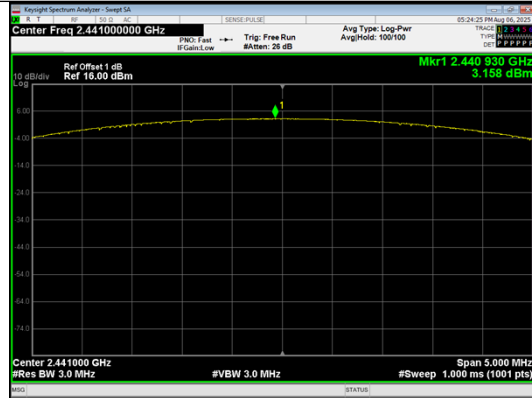
Conducted Output Power

Test Result

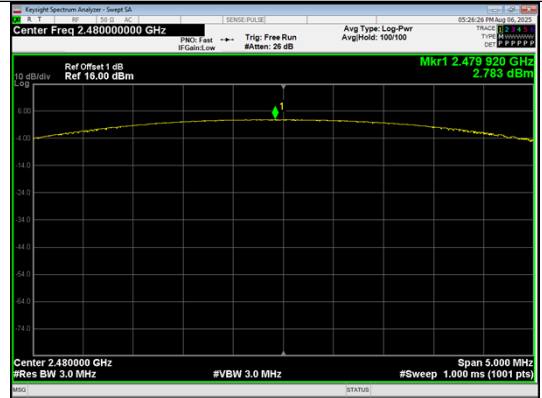
Modulation	Packet Type	Channel	Peak Output Power (dBm)	Peak Output Power (mW)	Limit (dBm)	Result
GFSK	DH5	0	2.97	1.98	≤30	PASS
		39	4.05	2.54		PASS
		78	3.63	2.31		PASS
$\pi/4$ DQPSK	2-DH5	0	2.08	1.61	≤20.97	PASS
		39	3.16	2.07		PASS
		78	2.78	1.90		PASS
8DPSK	3-DH5	0	2.14	1.64	≤20.97	PASS
		39	3.28	2.13		PASS
		78	2.87	1.94		PASS

Test Graphs

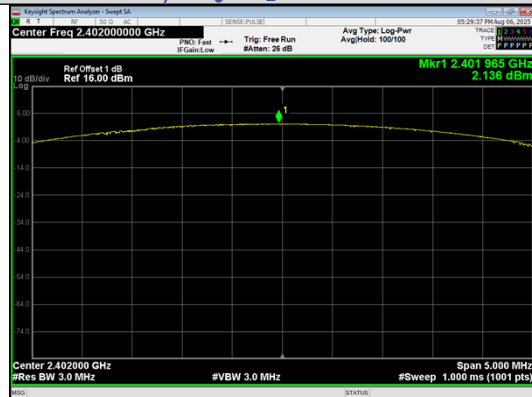




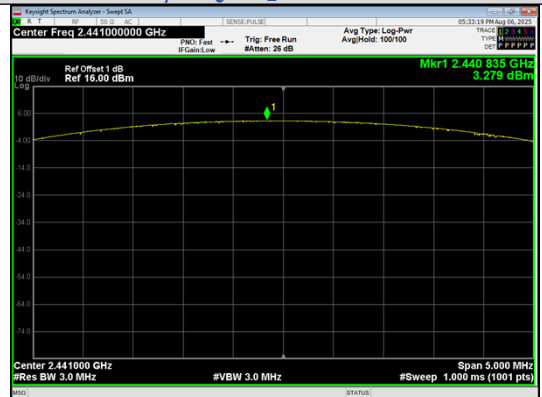
Peak Output Power
 $\pi/4$ DQPSK_Channel 39



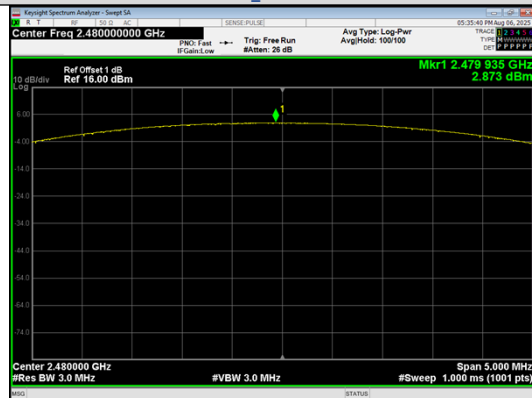
Peak Output Power
 $\pi/4$ DQPSK_Channel 78



Peak Output Power
8DPSK_Channel 0



Peak Output Power
8DPSK_Channel 39



Peak Output Power
8DPSK_Channel 78

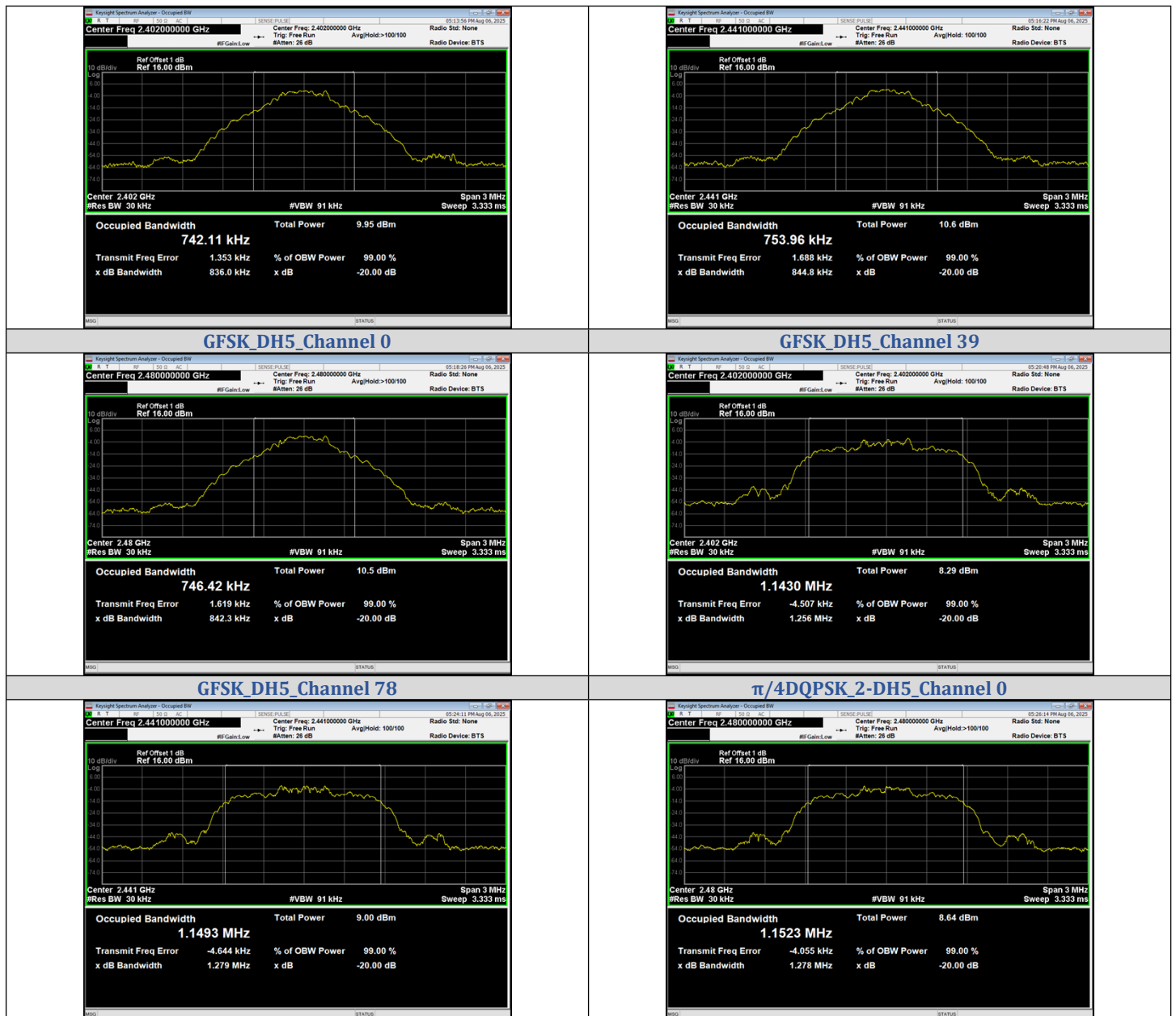


20dB Bandwidth

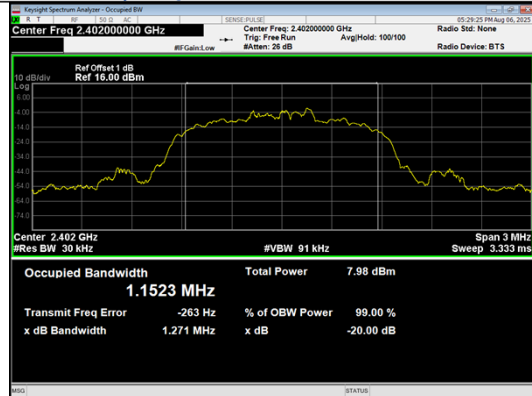
Test Result

Modulation	Channel	Center Frequency (MHz)	20 dB Bandwidth (MHz)
GFSK	0	2402 MHz	0.8400
	39	2441 MHz	0.8400
	78	2480 MHz	0.8400
$\pi/4$ DQPSK	0	2402 MHz	1.260
	39	2441 MHz	1.280
	78	2480 MHz	1.280
8DPSK	0	2402 MHz	1.270
	39	2441 MHz	1.260
	78	2480 MHz	1.260

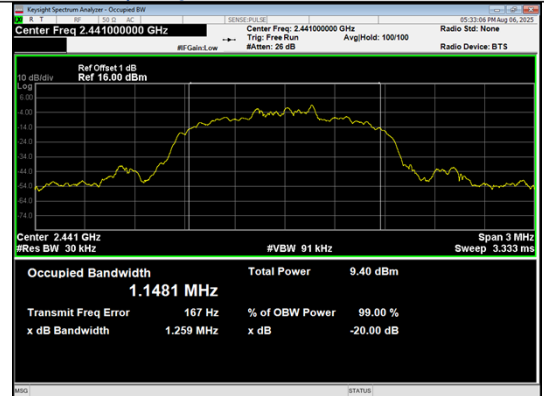
Test Graphs



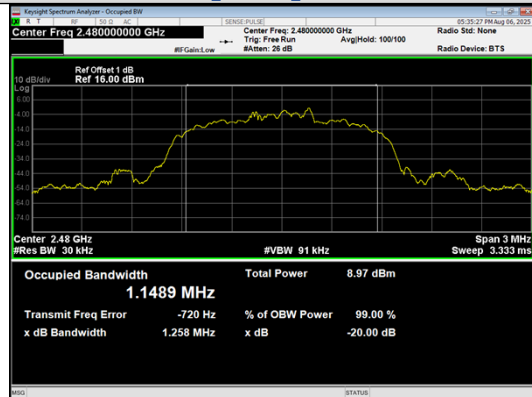
$\pi/4$ DQPSK_2-DH5_Channel 39



$\pi/4$ DQPSK_2-DH5_Channel 78



8DPSK_3-DH5_Channel 0



8DPSK_3-DH5_Channel 39

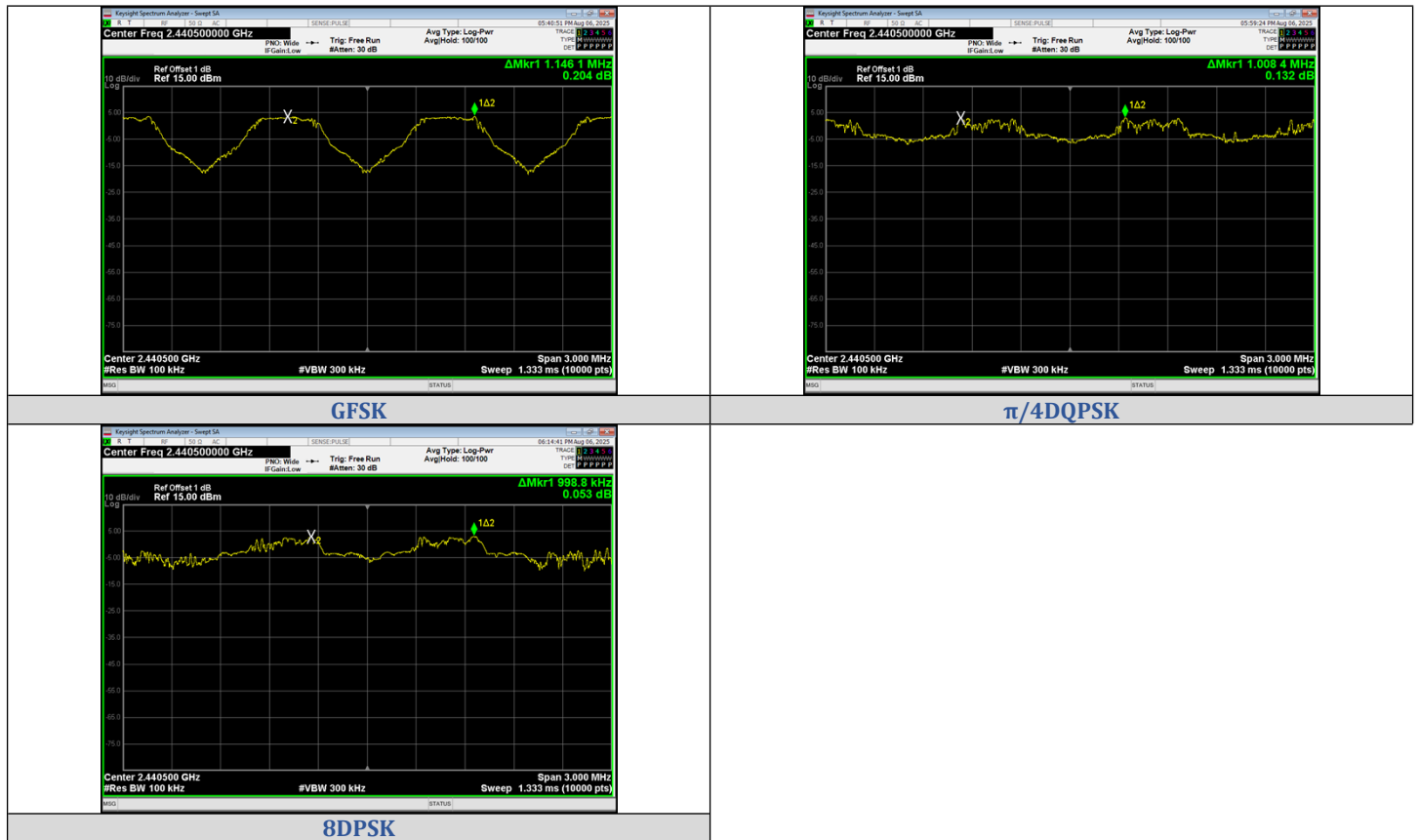
8DPSK_3-DH5_Channel 78

Carrier Frequencies Separation

Test Result

Modulation	Packet	Left Center frequency (MHz)	Right Center frequency (MHz)	Hopping Frequency Separation (MHz)	Limit (MHz)	Result
GFSK	DH5	2440.0114	2441.1575	1.1461	0.56	PASS
$\pi/4$ DQPSK	2-DH5	2439.8311	2440.8395	1.0084	0.84	PASS
8DPSK	3-DH5	2440.1551	2441.1539	0.9988	0.84	PASS

Test Graphs



Conducted Out Of Band Emission

Test Result

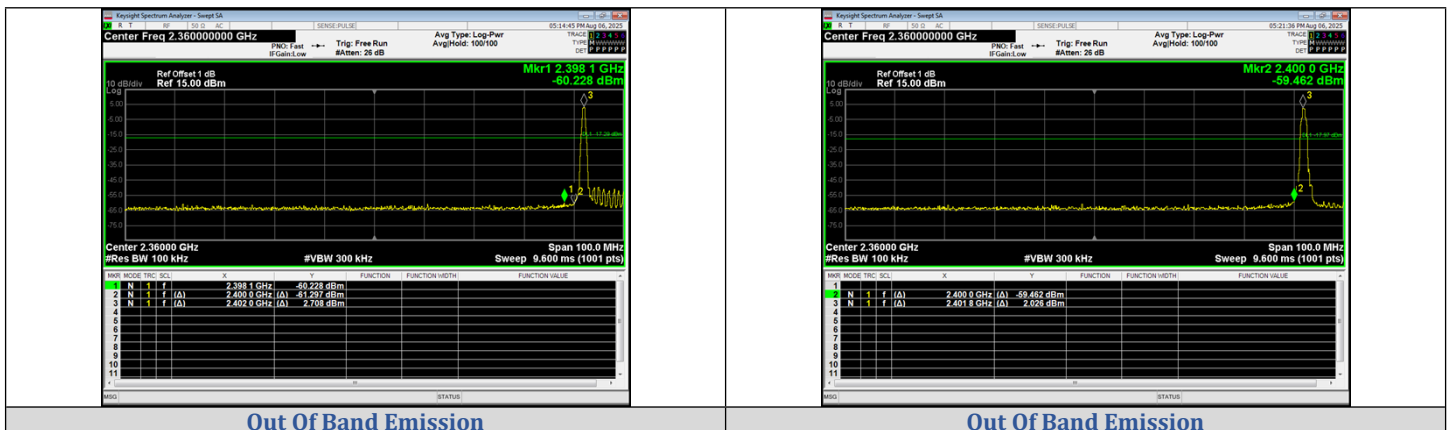
Non-Hopping

Modulation	Packet	Channel	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result
GFSK	DH5	0	2398.10	-60.228	-17.29	-42.938	PASS
			2400.00	-61.300	-17.29	-44.010	PASS
			24970.0	-50.028	-17.29	-32.738	PASS
		39	24834.0	-50.101	-16.08	-34.021	PASS
		78	2483.50	-60.870	-16.6	-44.270	PASS
			24275.8	-49.823	-16.6	-33.223	PASS
π/4DQPSK	2-DH5	0	2400.00	-59.460	-17.97	-41.490	PASS
			24932.0	-50.231	-17.97	-32.261	PASS
		39	24921.3	-50.193	-16.96	-33.233	PASS
		78	2483.50	-61.620	-17.35	-44.270	PASS
			24580.5	-49.692	-17.35	-32.342	PASS
		8DPSK	3-DH5	0	2400.00	-58.300	-18.29
24898.2	-49.711				-18.29	-31.421	PASS
39	24829.0			-50.185	-16.98	-33.205	PASS
78	2483.50			-61.970	-17.34	-44.630	PASS
	24973.2			-49.517	-17.34	-32.177	PASS

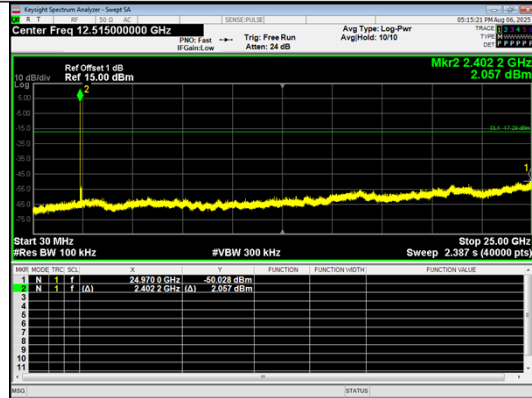
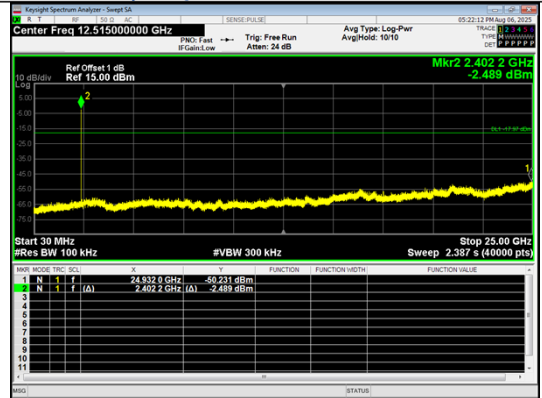
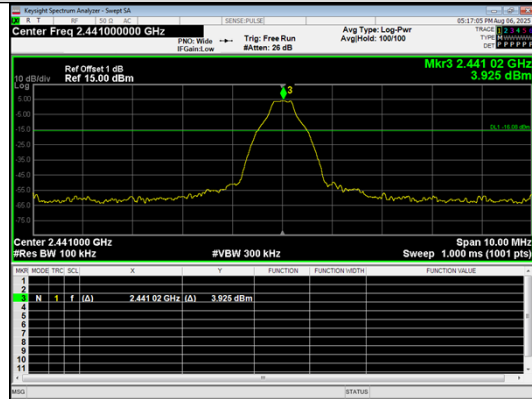
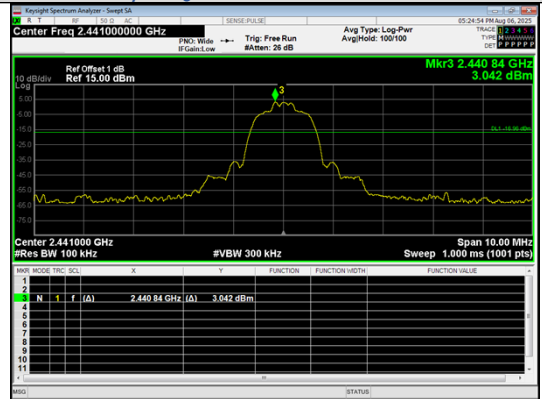
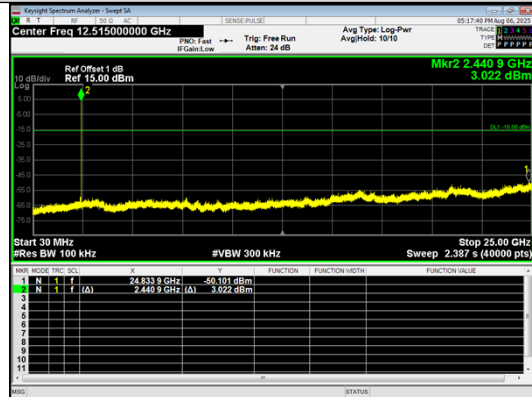
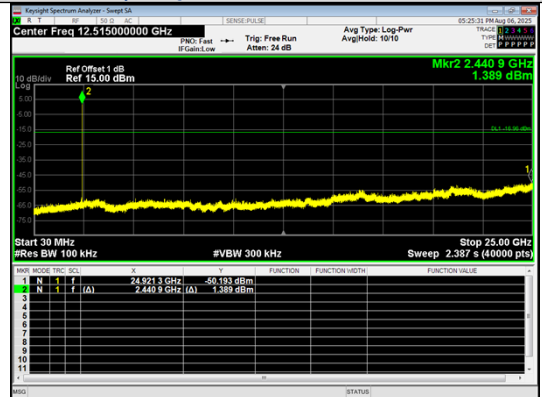
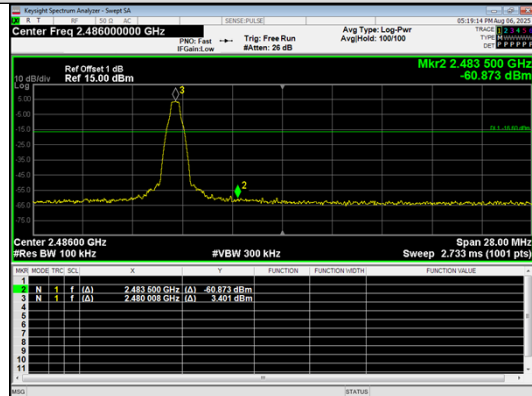
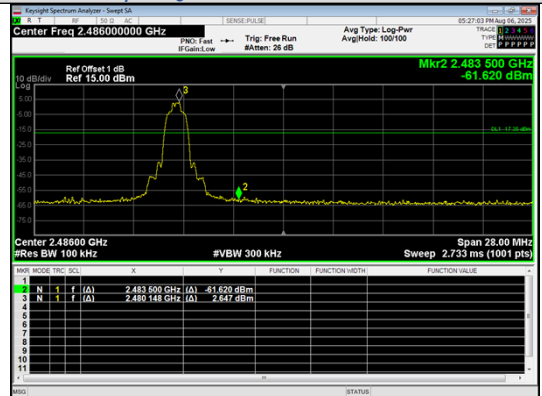
Hopping

Modulation	Packet	Channel	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result
GFSK	DH5	Hopping	2400.00	-59.410	-17.14	-42.270	PASS
π/4DQPSK	2-DH5		2483.50	-62.180	-16.59	-45.590	PASS
			2395.28	-54.937	-18.11	-36.827	PASS
			2400.00	-59.600	-18.11	-41.490	PASS
			2483.50	-62.100	-17.52	-44.580	PASS
8DPSK	3-DH5		2398.62	-60.549	-18.04	-42.509	PASS
			2400.00	-60.880	-18.04	-42.840	PASS
			2483.50	-61.650	-17.42	-44.230	PASS

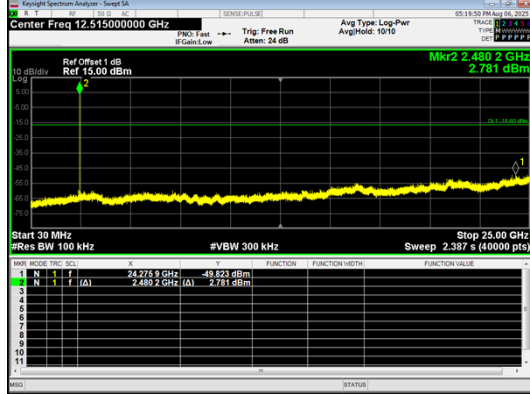
Test Graphs



GFSK_DH5_Channel 0

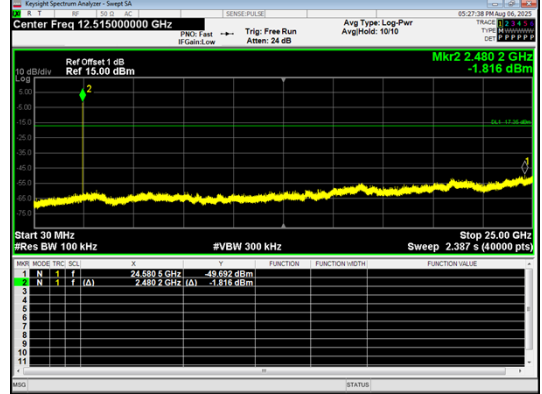

 $\pi/4$ DQPSK_2-DH5_Channel 0

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

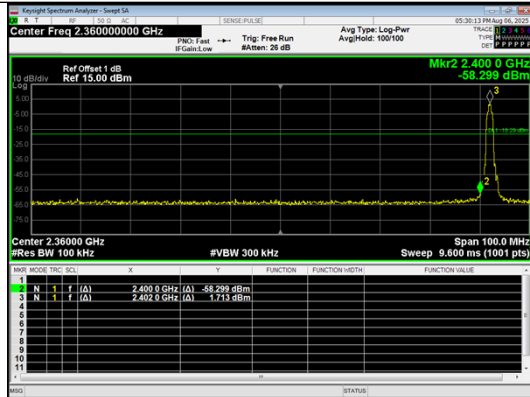


30.0 MHz - 25000.0 MHz
GFSK_DH5_Channel 78

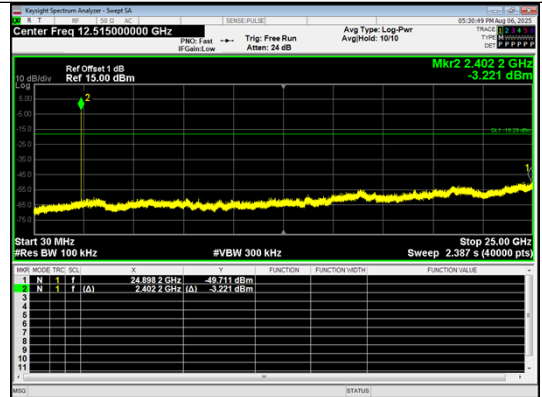
Out Of Band Emission $\pi/4$ DQPSK_2-DH5_Channel 78



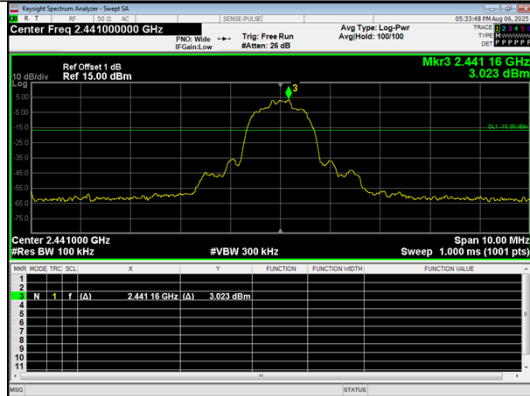
30.0 MHz - 25000.0 MHz
 $\pi/4$ DQPSK_2-DH5_Channel 78



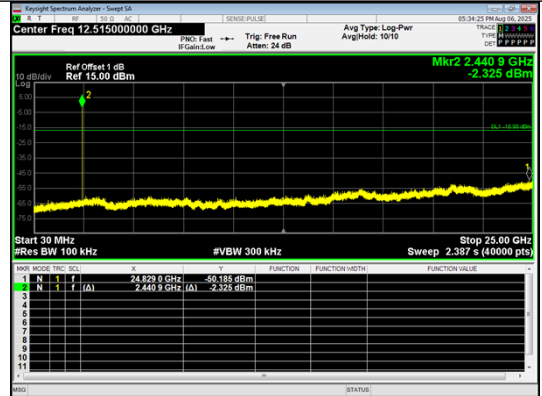
Out Of Band Emission
8DPSK_3-DH5_Channel 0



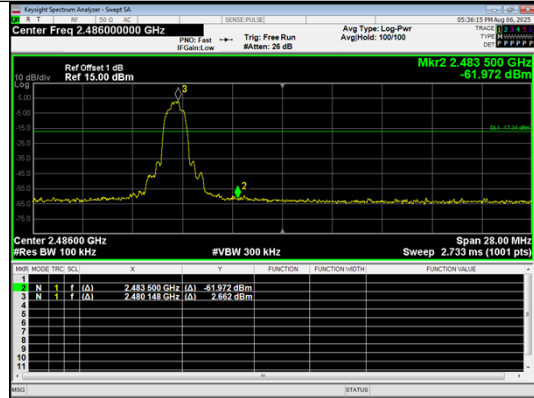
30.0 MHz - 25000.0 MHz
8DPSK_3-DH5_Channel 0



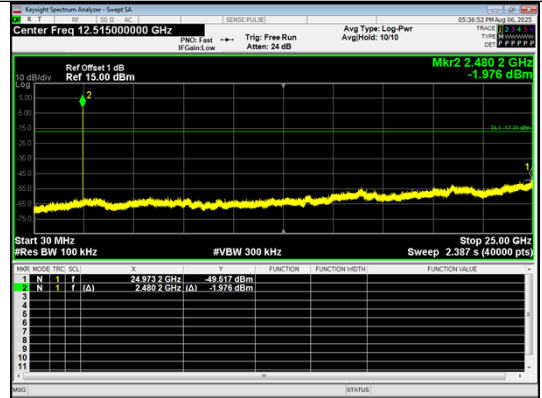
Out Of Band Emission
8DPSK_3-DH5_Channel 39



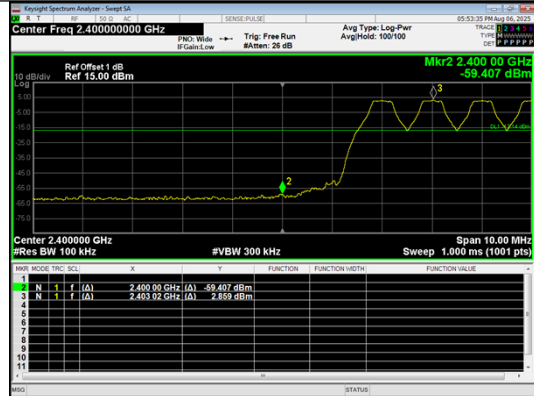
30.0 MHz - 25000.0 MHz
8DPSK_3-DH5_Channel 39



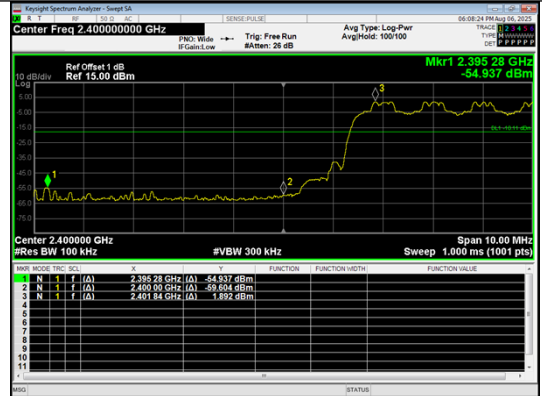
Out Of Band Emission
8DPSK_3-DH5_Channel 78



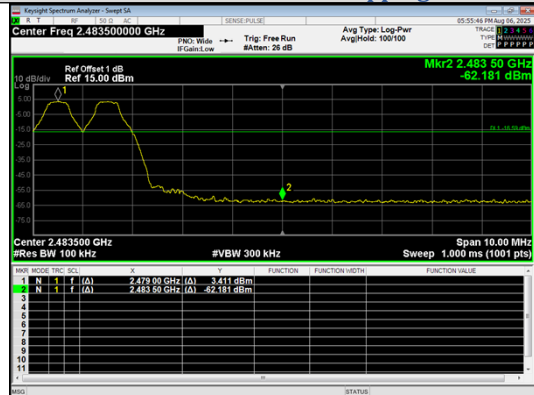
30.0 MHz - 25000.0 MHz
8DPSK_3-DH5_Channel 78



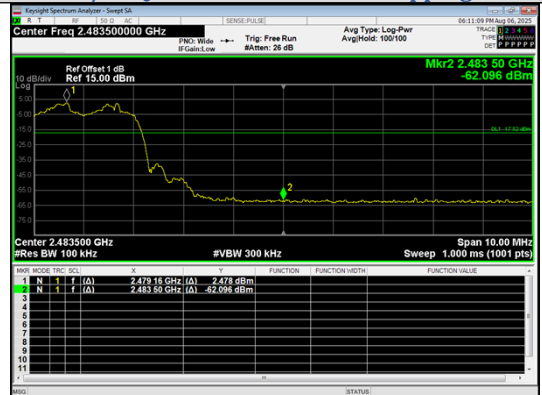
Out Of Band Emission(Left)
GFSK_DH5_Channel Hopping



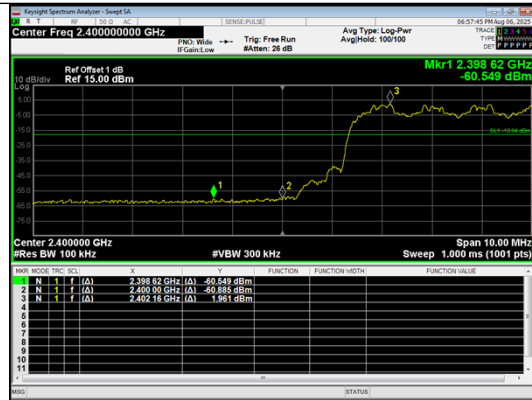
Out Of Band Emission(Left)
 $\pi/4$ DQPSK_2-DH5_Channel Hopping



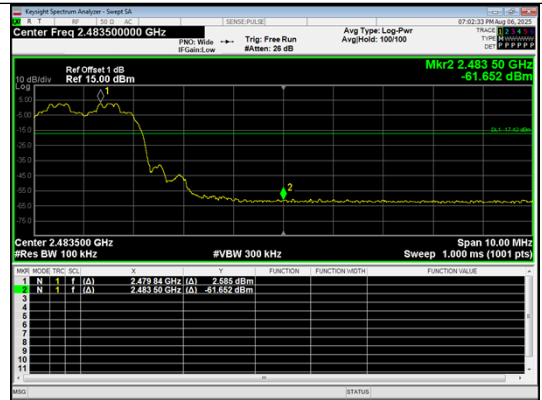
Out Of Band Emission(Right)
GFSK_DH5_Channel Hopping



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



Out Of Band Emission(Left)
8DPSK_3-DH5_Channel Hopping



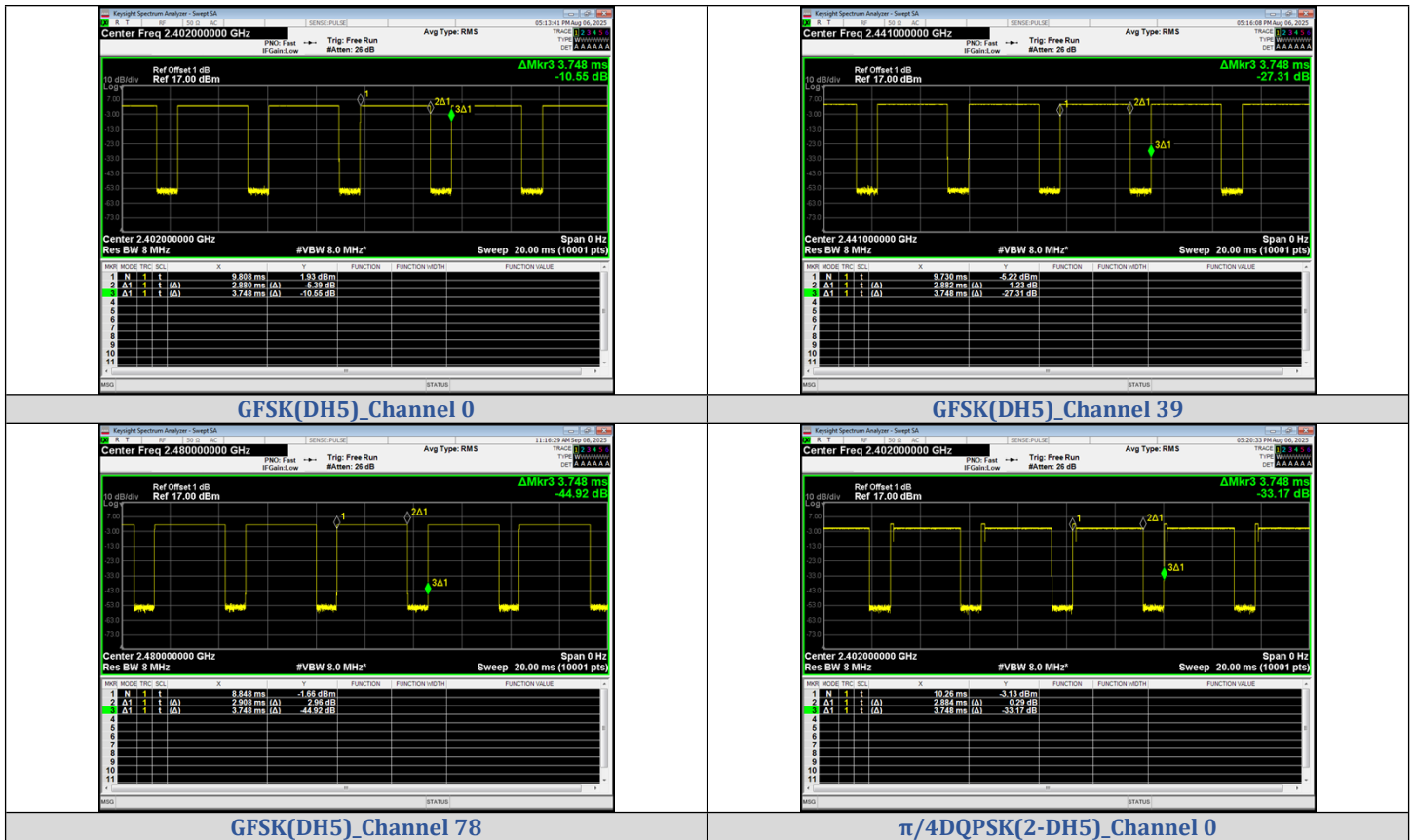
Out Of Band Emission(Right)
8DPSK_3-DH5_Channel Hopping

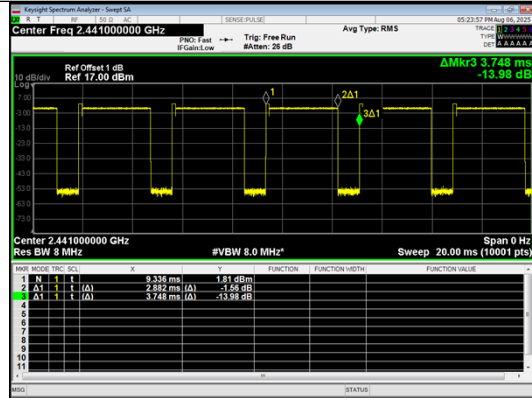
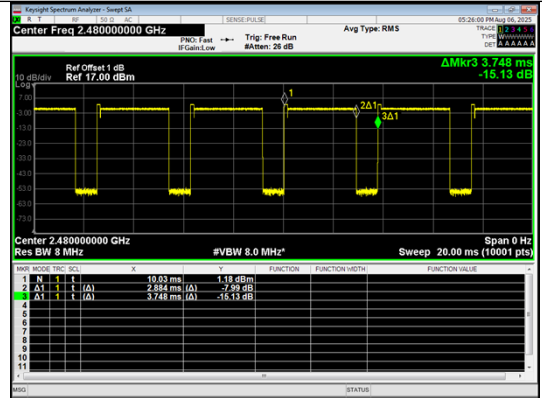
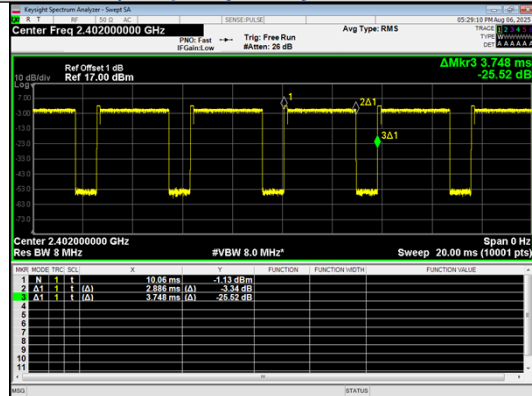
Duty Cycle

Test Result

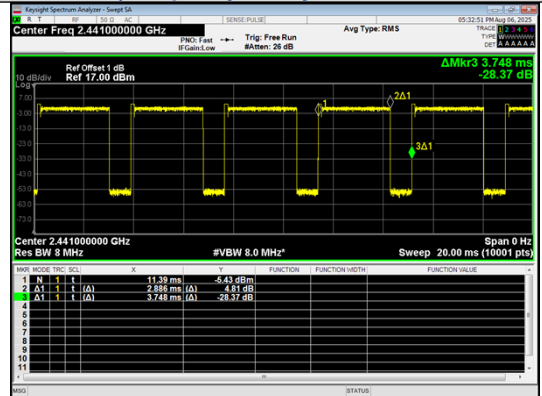
Modulation	Packets	Channel	On Time (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle (linear)	Duty Cycle Factor (dB)	1/T
GFSK	DH5	0	2.880	3.748	76.84	0.7684	1.1441	0.3472
		39	2.882	3.748	76.89	0.7689	1.1413	0.3470
		78	2.908	3.748	77.59	0.7759	1.1019	0.3439
$\pi/4$ DQPSK	2-DH5	0	2.884	3.748	76.95	0.7695	1.1379	0.3467
		39	2.882	3.748	76.89	0.7689	1.1413	0.3470
		78	2.884	3.748	76.95	0.7695	1.1379	0.3467
8DPSK	3-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	2.884	3.748	76.95	0.7695	1.1379	0.3467

Test Graphs

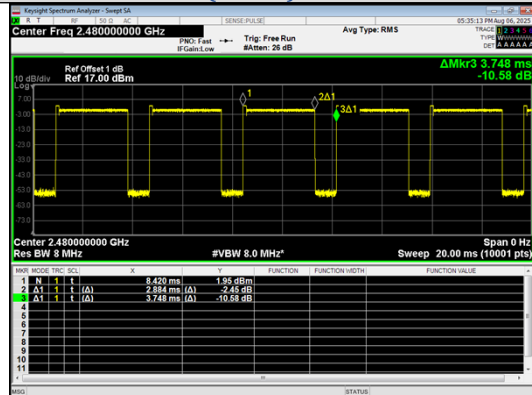



 $\pi/4$ DQPSK(2-DH5)_Channel 39

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


8DPSK(3-DH5)_Channel 0



8DPSK(3-DH5)_Channel 39



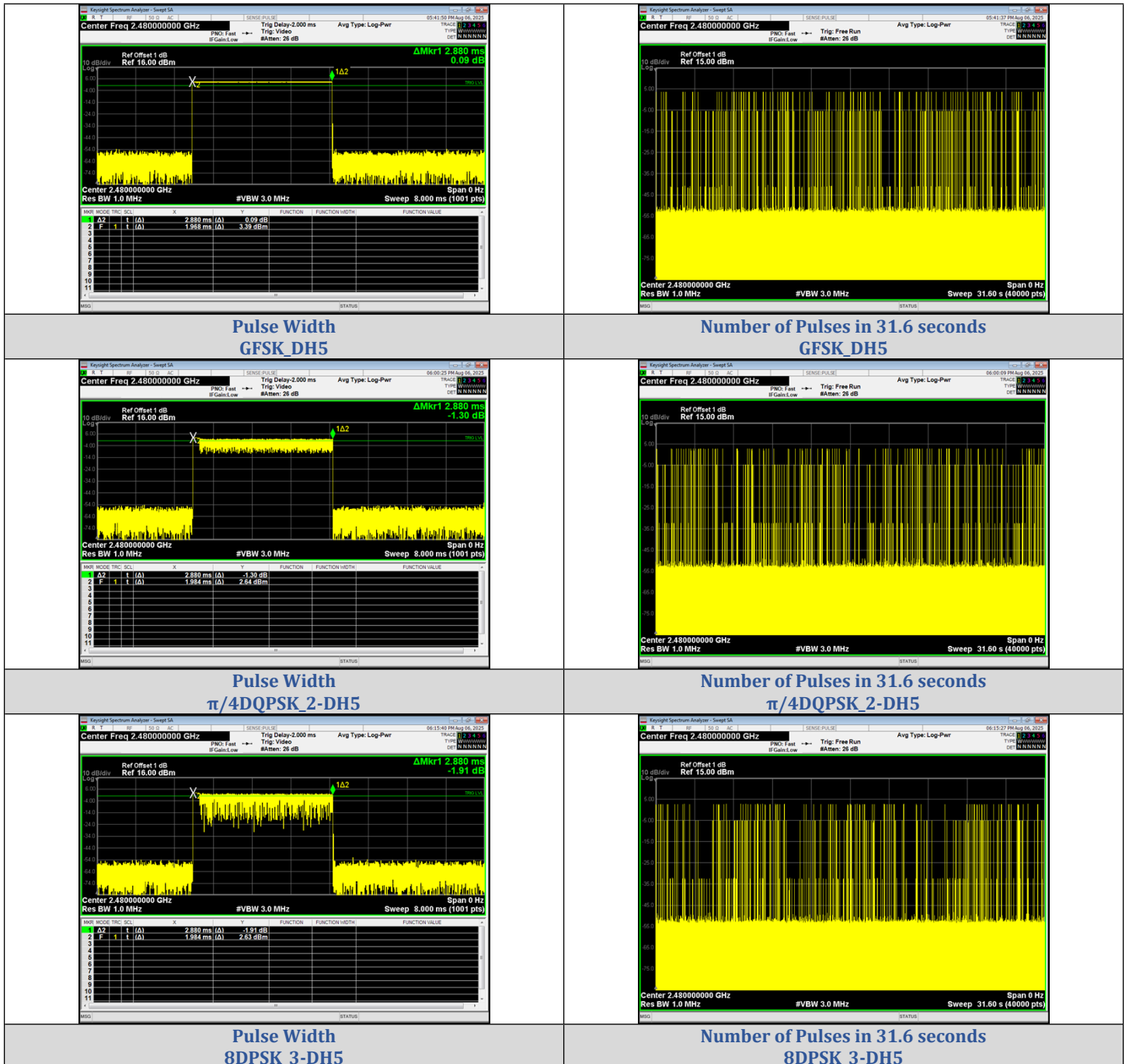
8DPSK(3-DH5)_Channel 78

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	Hopping	2.880	114	328.32	< 400	PASS
$\pi/4$ DQPSK	2-DH5		2.880	108	311.04		PASS
8DPSK	3-DH5		2.880	96	276.48		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

