

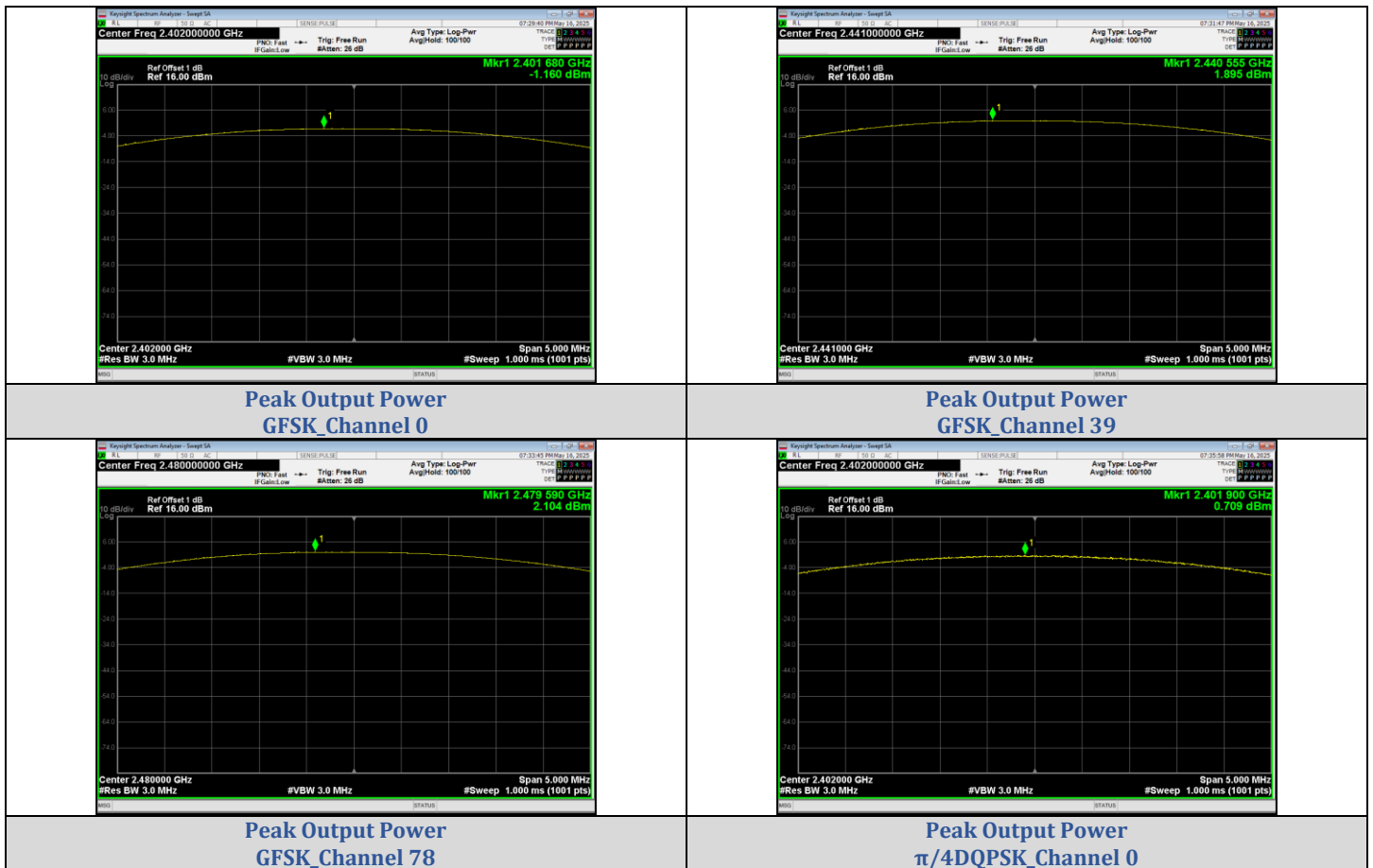


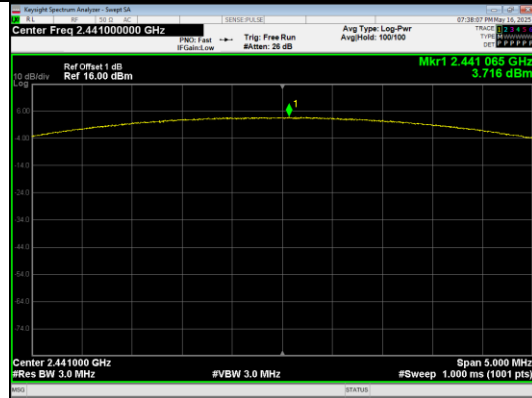
Conducted Output Power

Test Result

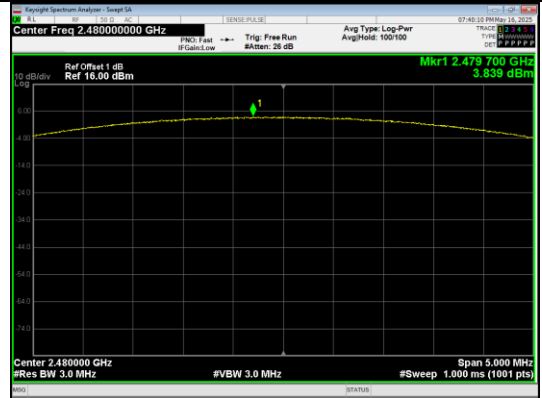
Modulation	Packet Type	Channel	Peak Output Power (dBm)	Peak Output Power (mW)	Limit (dBm)	Result
GFSK	DH5	0	-1.16	0.77	≤30	PASS
		39	1.90	1.55		PASS
		78	2.10	1.62		PASS
$\pi/4$ DQPSK	2-DH5	0	0.71	1.18	≤20.97	PASS
		39	3.72	2.35		PASS
		78	3.84	2.42		PASS
8DPSK	3-DH5	0	1.16	1.31		PASS
		39	4.14	2.59		PASS
		78	4.21	2.64		PASS

Test Graphs

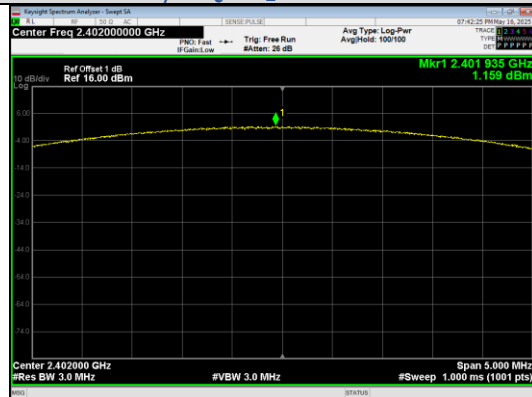




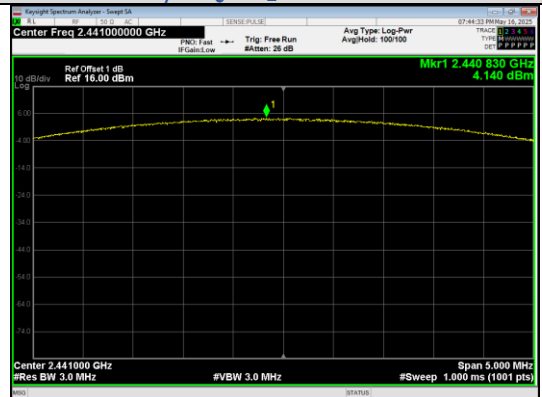
Peak Output Power
 $\pi/4$ DQPSK_Channel 39



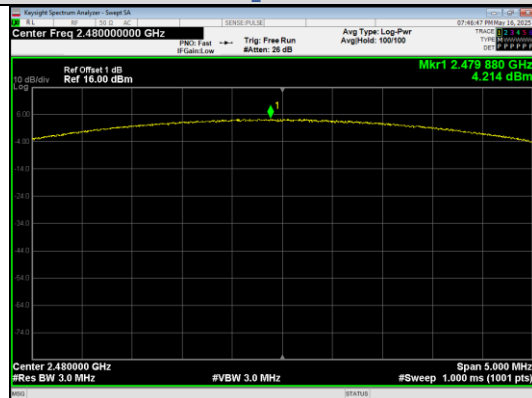
Peak Output Power
 $\pi/4$ DQPSK_Channel 78



Peak Output Power
8DPSK_Channel 0



Peak Output Power
8DPSK_Channel 39



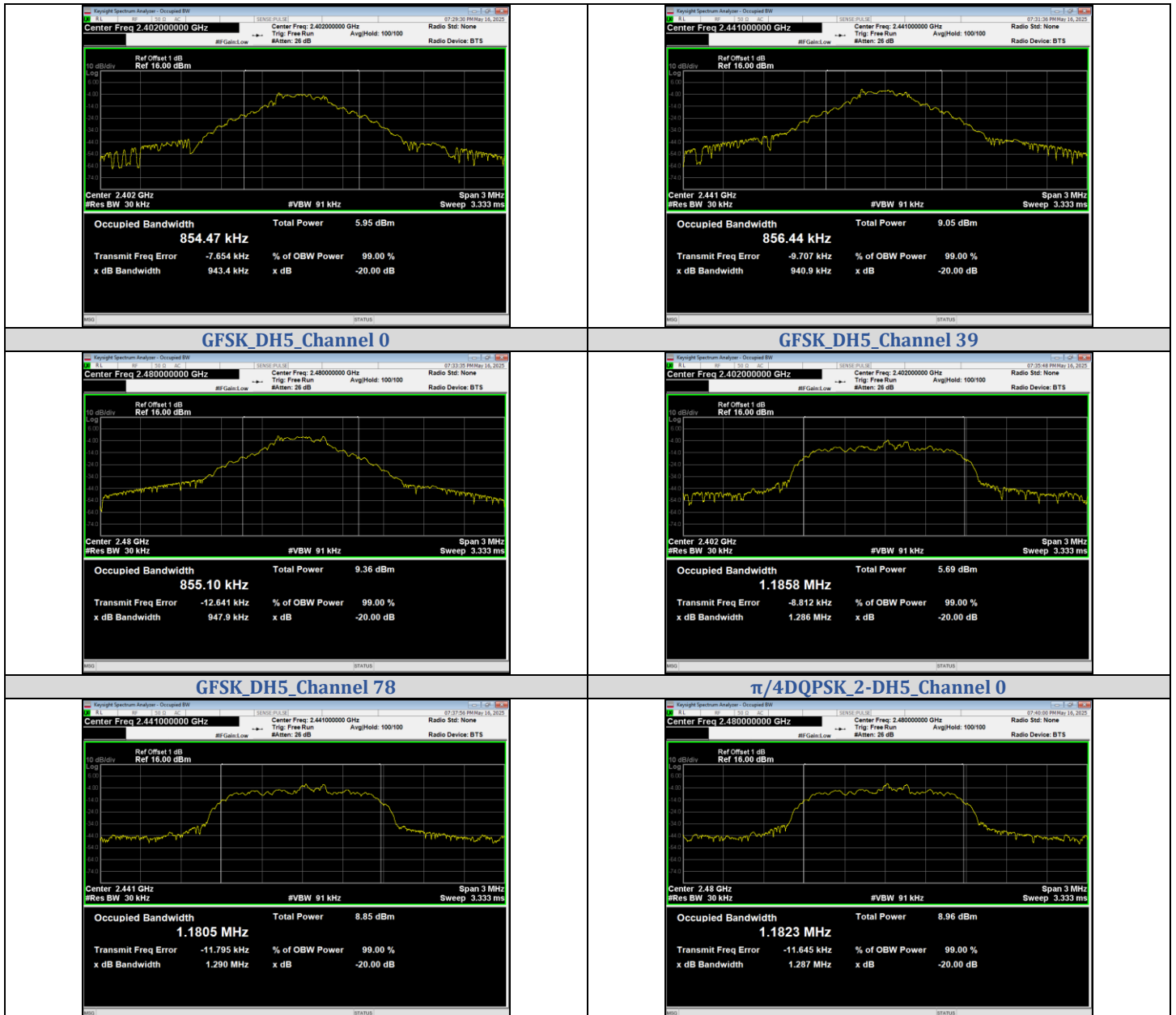
Peak Output Power
8DPSK_Channel 78

20dB Bandwidth

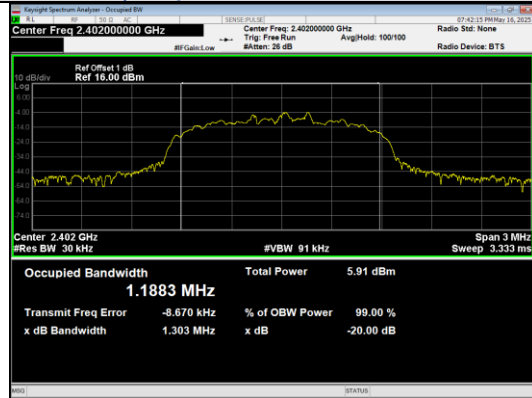
Test Result

Modulation	Channel	Center Frequency (MHz)	20 dB Bandwidth (MHz)
GFSK	0	2402 MHz	0.9434
	39	2441 MHz	0.9409
	78	2480 MHz	0.9479
$\pi/4$ DQPSK	0	2402 MHz	1.286
	39	2441 MHz	1.290
	78	2480 MHz	1.287
8DPSK	0	2402 MHz	1.303
	39	2441 MHz	1.294
	78	2480 MHz	1.298

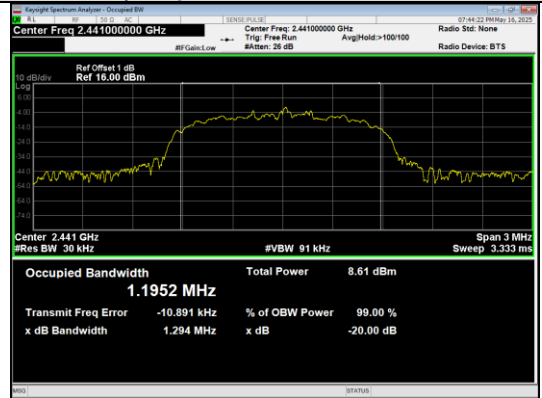
Test Graphs



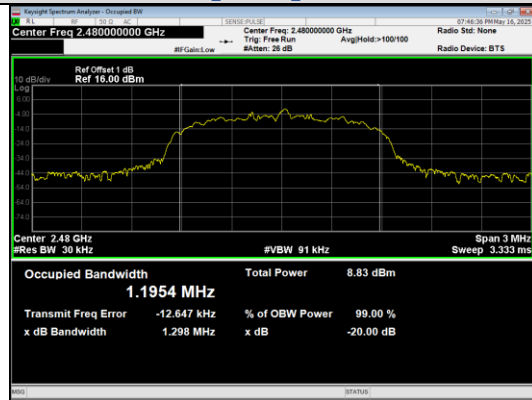
$\pi/4$ DQPSK 2-DH5_Channel 39



$\pi/4$ DQPSK 2-DH5_Channel 78



8DPSK 3-DH5_Channel 0



8DPSK 3-DH5_Channel 39

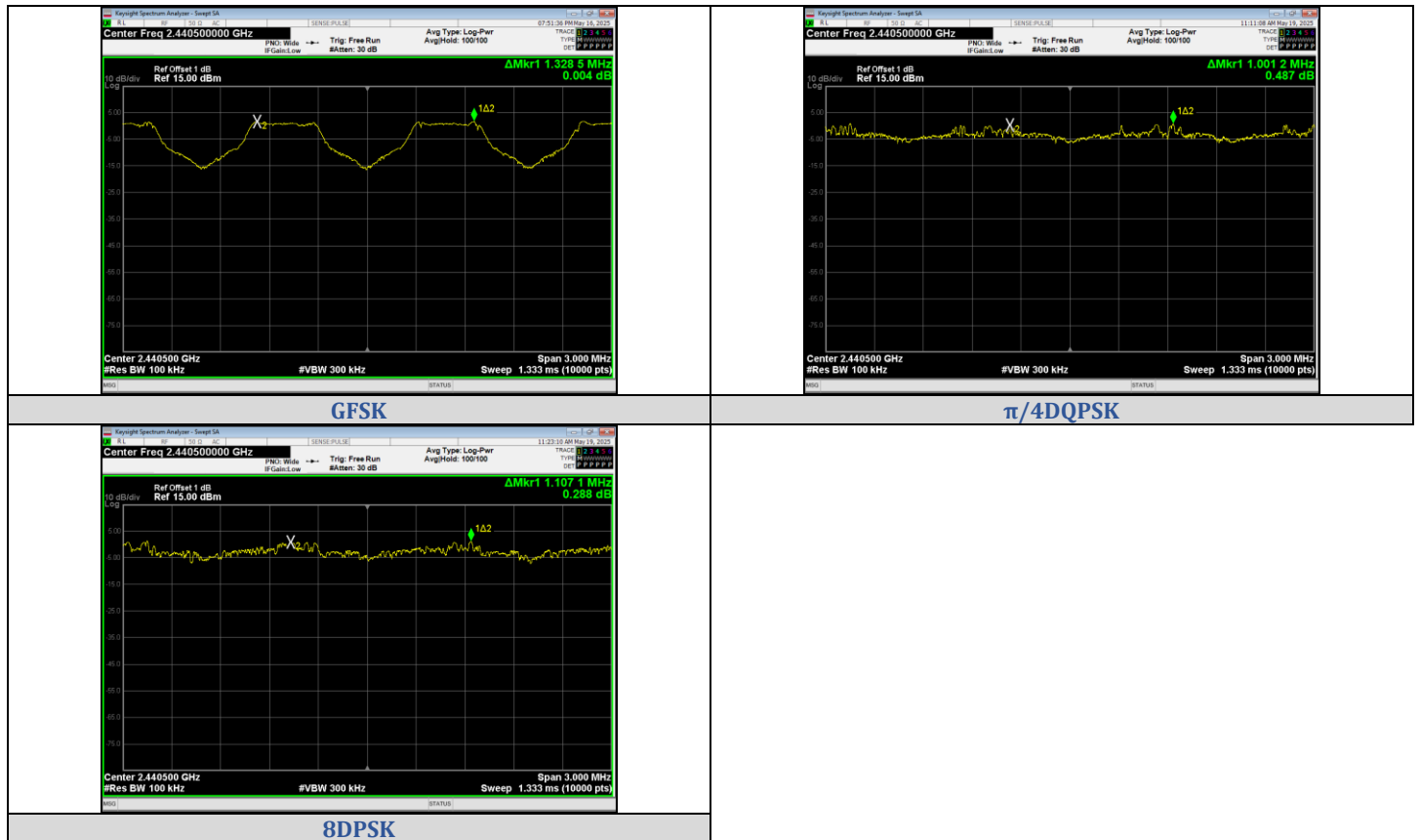
8DPSK 3-DH5_Channel 78

Carrier Frequencies Separation

Test Result

Modulation	Packet	Left Center frequency (MHz)	Right Center frequency (MHz)	Hopping Frequency Separation (MHz)	Limit (MHz)	Result
GFSK	DH5	2439.8251	2441.1536	1.3285	0.632	PASS
$\pi/4$ DQPSK	2-DH5	2440.1305	2441.1317	1.0012	0.86	PASS
8DPSK	3-DH5	2440.0291	2441.1362	1.1071	0.869	PASS

Test Graphs



Conducted Out Of Band Emission

Test Result

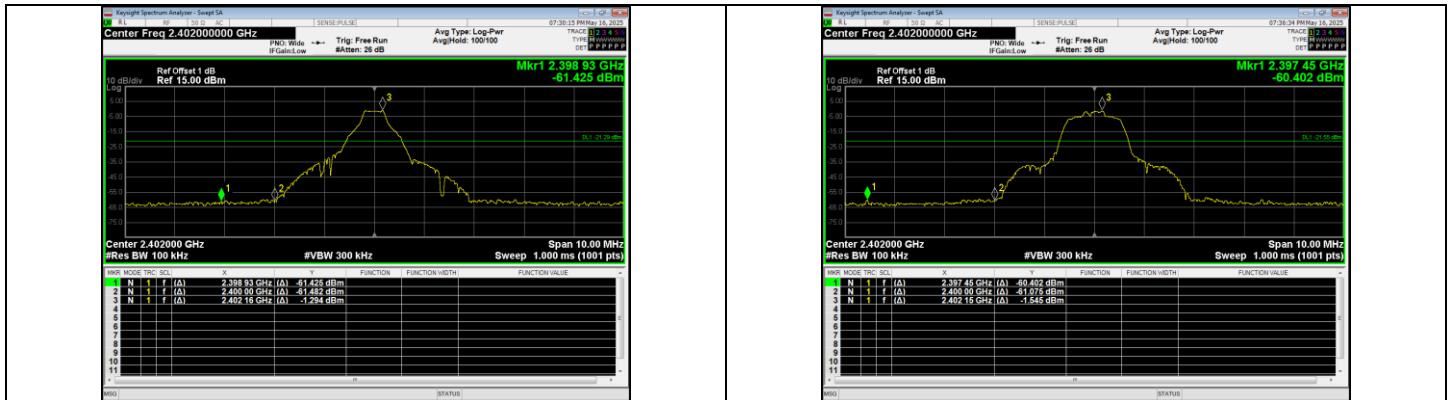
Non-Hopping

Modulation	Packet	Channel	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result
GFSK	DH5	0	2398.93	-61.425	-21.29	-40.135	PASS
			2400.00	-61.482	-21.29	-40.192	PASS
			24941.3	-49.177	-21.29	-27.887	PASS
		39	24998.1	-49.329	-18.31	-31.019	PASS
		78	2483.50	-61.999	-18.16	-43.839	PASS
			24917.6	-48.792	-18.16	-30.632	PASS
$\pi/4$ DQPSK	2-DH5	0	2397.45	-60.402	-21.55	-38.852	PASS
			2400.00	-61.075	-21.55	-39.525	PASS
			24920.1	-49.382	-21.55	-27.832	PASS
		39	24963.2	-49.943	-18.55	-31.393	PASS
		78	2483.50	-61.007	-18.37	-42.637	PASS
			24929.5	-49.783	-18.37	-31.413	PASS
8DPSK	3-DH5	0	2400.00	-60.270	-21.38	-38.890	PASS
			24985.6	-49.350	-21.38	-27.970	PASS
		39	24897.0	-49.785	-18.44	-31.345	PASS
		78	2483.50	-59.151	-18.21	-40.941	PASS
			24989.4	-49.810	-18.21	-31.600	PASS

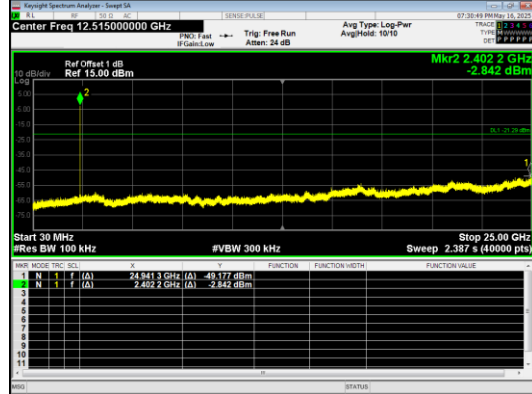
Hopping

Modulation	Packet	Channel	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result
GFSK	DH5	Hopping	2395.00	-60.298	-21.15	-39.148	PASS
			2400.00	-62.945	-21.15	-41.795	PASS
			2483.50	-61.982	-18.08	-43.902	PASS
π/4DQPSK	2-DH5		2396.71	-60.162	-21.55	-38.612	PASS
			2400.00	-61.781	-21.55	-40.231	PASS
			2483.50	-62.162	-18.84	-43.322	PASS
8DPSK	3-DH5		2400.00	-60.320	-21.21	-39.110	PASS
			2483.50	-62.252	-18.37	-43.882	PASS

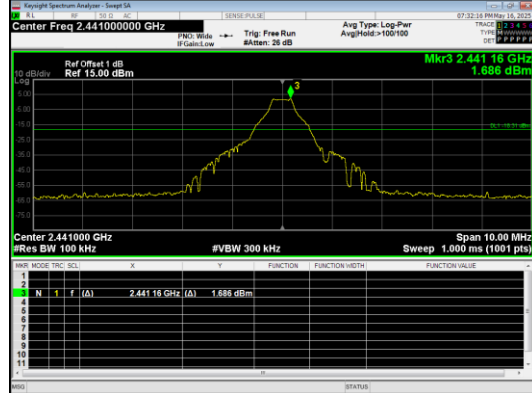
Test Graphs



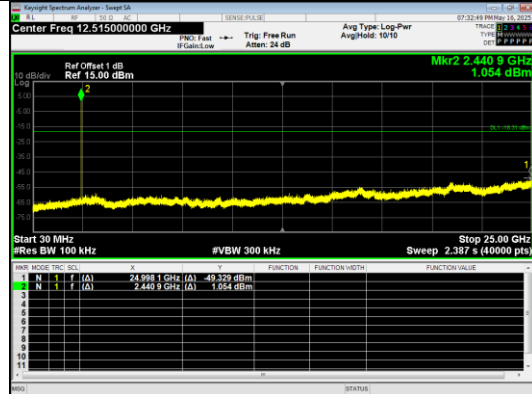
Out Of Band Emission GFSK_DH5_Channel 0



30.0 MHz - 25000.0 MHz GFSK_DH5_Channel 0

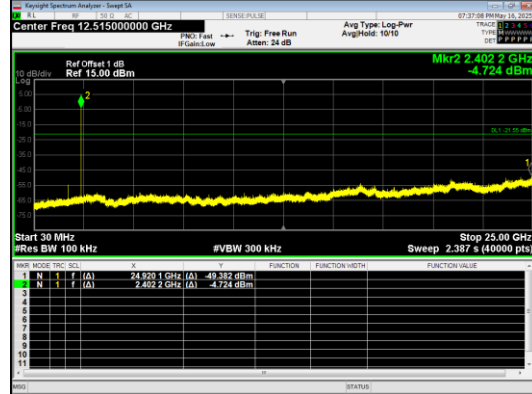


Out Of Band Emission GFSK_DH5_Channel 39

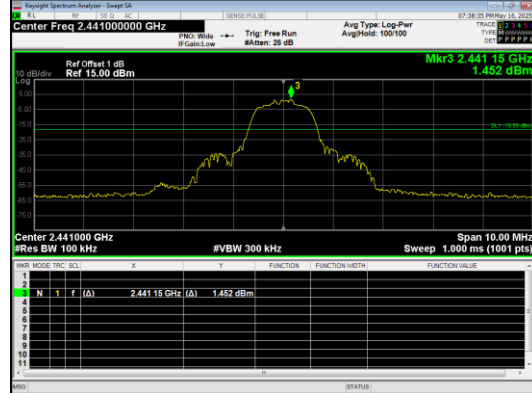


30.0 MHz - 25000.0 MHz GFSK_DH5_Channel 39

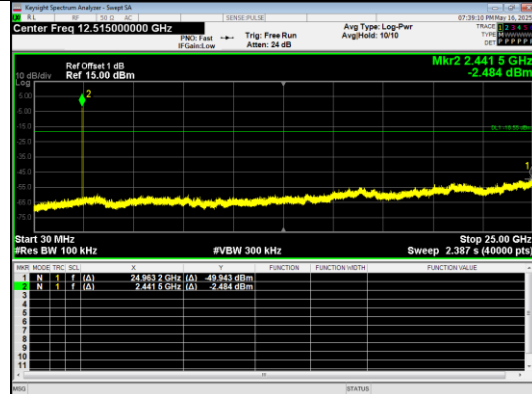
Out Of Band Emission $\pi/4$ DQPSK_2-DH5_Channel 0



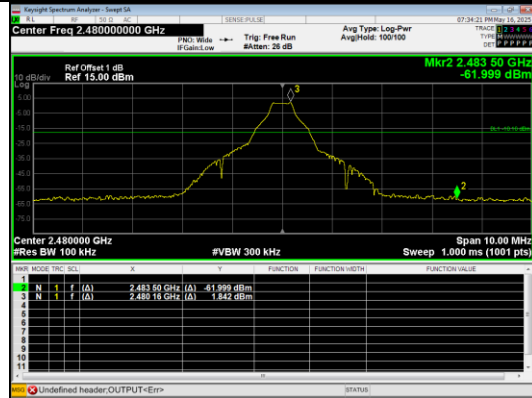
30.0 MHz - 25000.0 MHz $\pi/4$ DQPSK_2-DH5_Channel 0



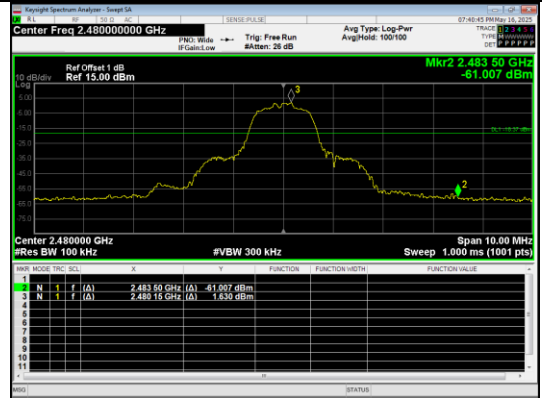
Out Of Band Emission $\pi/4$ DQPSK_2-DH5_Channel 39



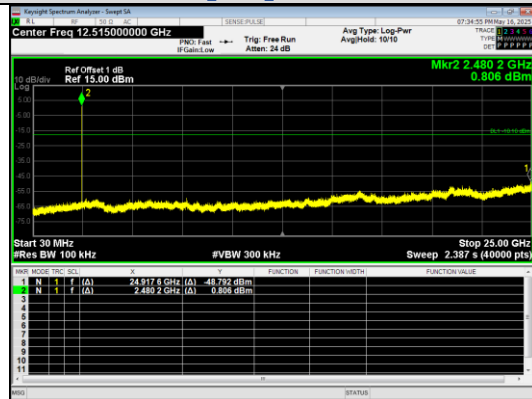
30.0 MHz - 25000.0 MHz $\pi/4$ DQPSK_2-DH5_Channel 39



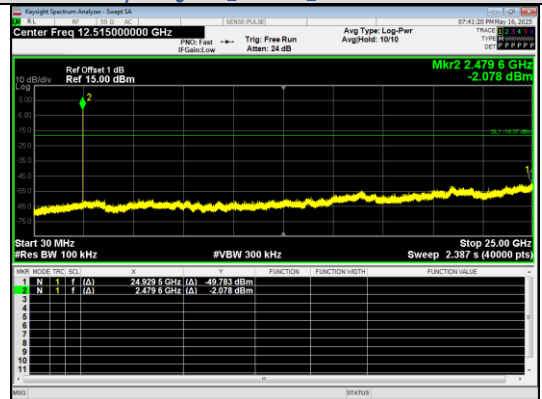
Out Of Band Emission
GFSK_DH5_Channel 78



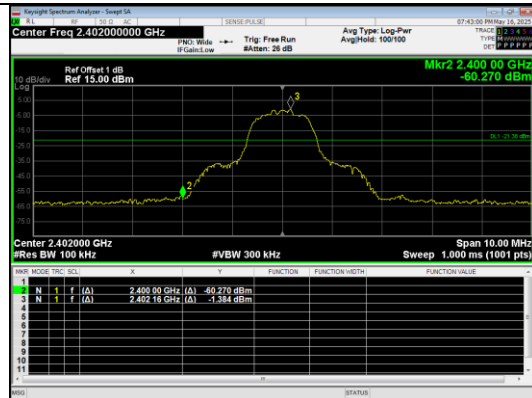
Out Of Band Emission
 $\pi/4$ DQPSK_2-DH5_Channel 78



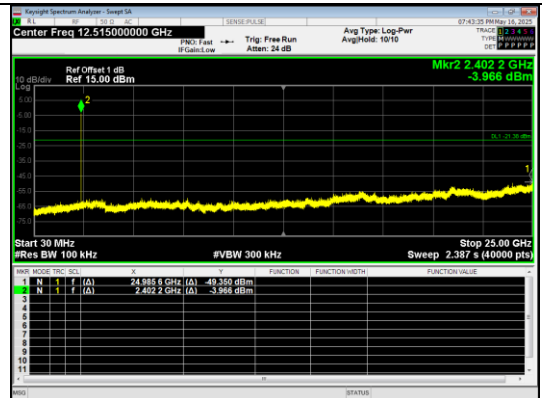
30.0 MHz - 25000.0 MHz
GFSK_DH5_Channel 78



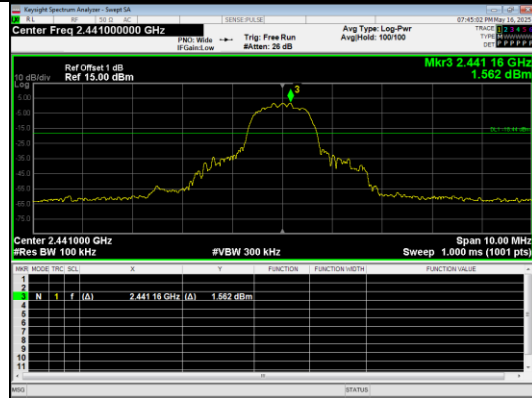
30.0 MHz - 25000.0 MHz
 $\pi/4$ DQPSK_2-DH5_Channel 78



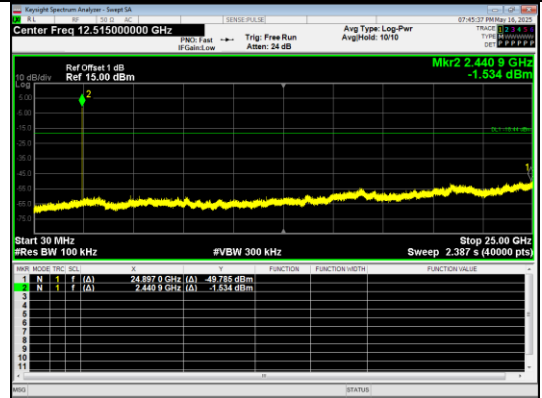
Out Of Band Emission
8DPSK_3-DH5_Channel 0



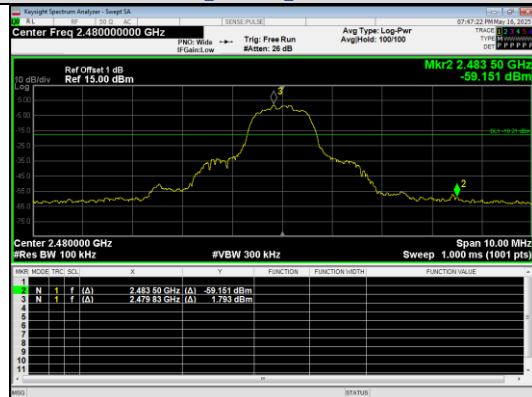
30.0 MHz - 25000.0 MHz
8DPSK_3-DH5_Channel 0



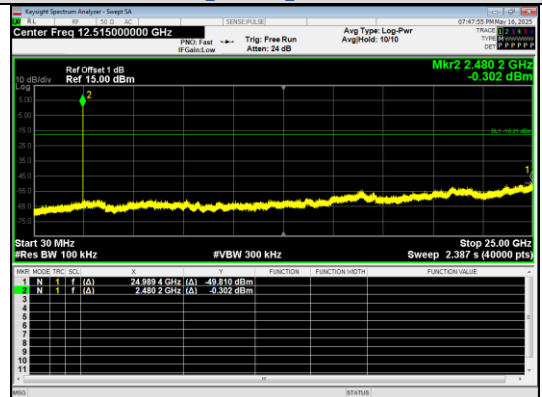
Out Of Band Emission
8DPSK_3-DH5_Channel 39



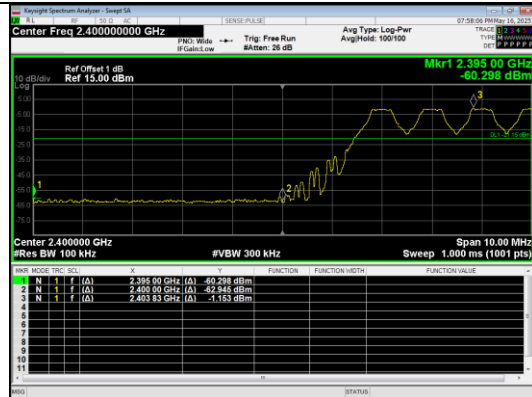
30.0 MHz - 25000.0 MHz
8DPSK_3-DH5_Channel 39



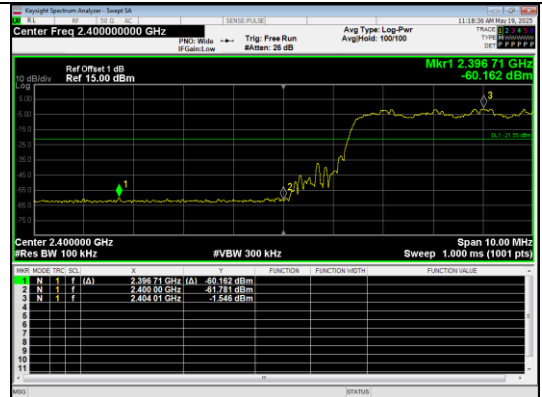
Out Of Band Emission
8DPSK_3-DH5_Channel 78



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



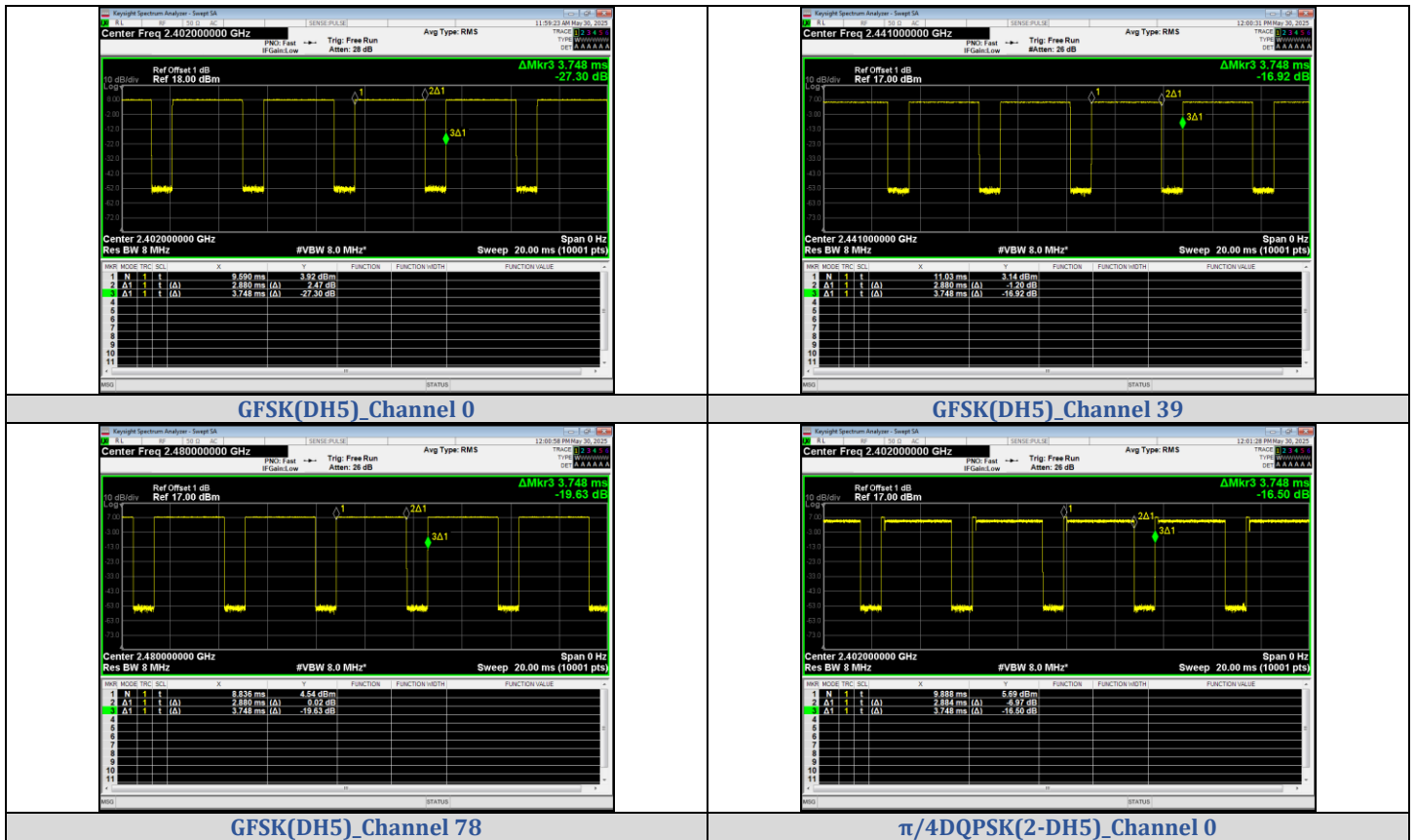
Out Of Band Emission(Right)
8DPSK_3-DH5_Channel Hopping

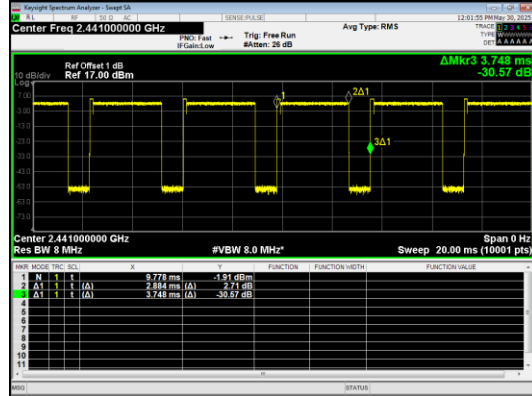
Duty Cycle

Test Result

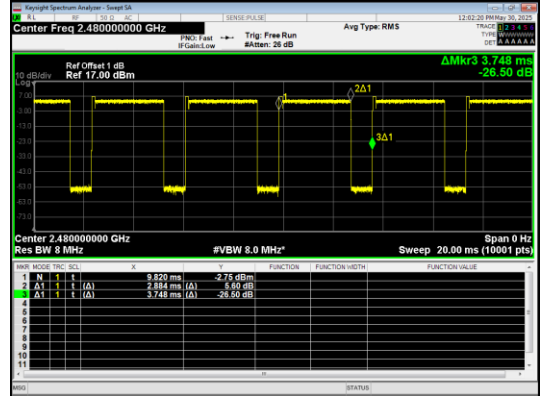
Modulation	Packets	Channel	On Time (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle (linear)	Duty Cycle Factor (dB)	1/T
GFSK	DH5	0	2.880	3.748	76.84	0.7684	1.1441	0.3472
		39	2.880	3.748	76.84	0.7684	1.1441	0.3472
		78	2.880	3.748	76.84	0.7684	1.1441	0.3472
$\pi/4$ DQPSK	2-DH5	0	2.884	3.748	76.95	0.7695	1.1379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

Test Graphs

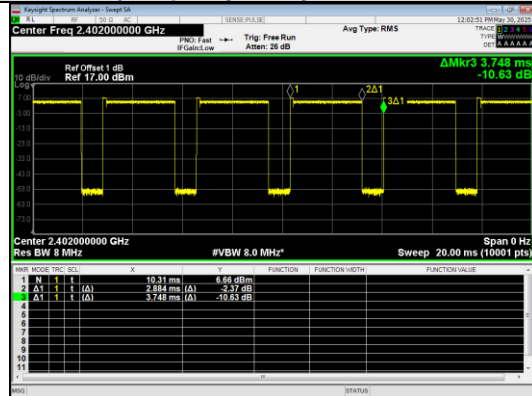




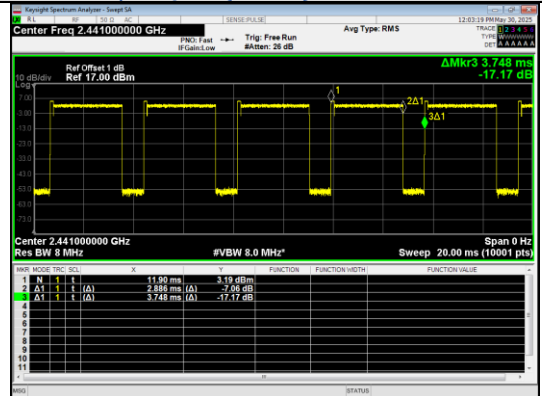
$\pi/4$ DQPSK(2-DH5)_Channel 39



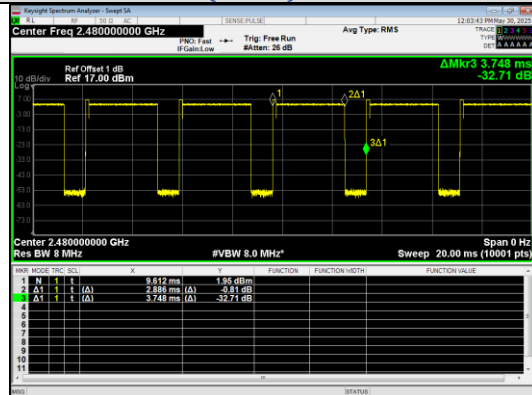
$\pi/4$ DQPSK(2-DH5)_Channel 78



8DPSK(3-DH5)_Channel 0



8DPSK(3-DH5)_Channel 39



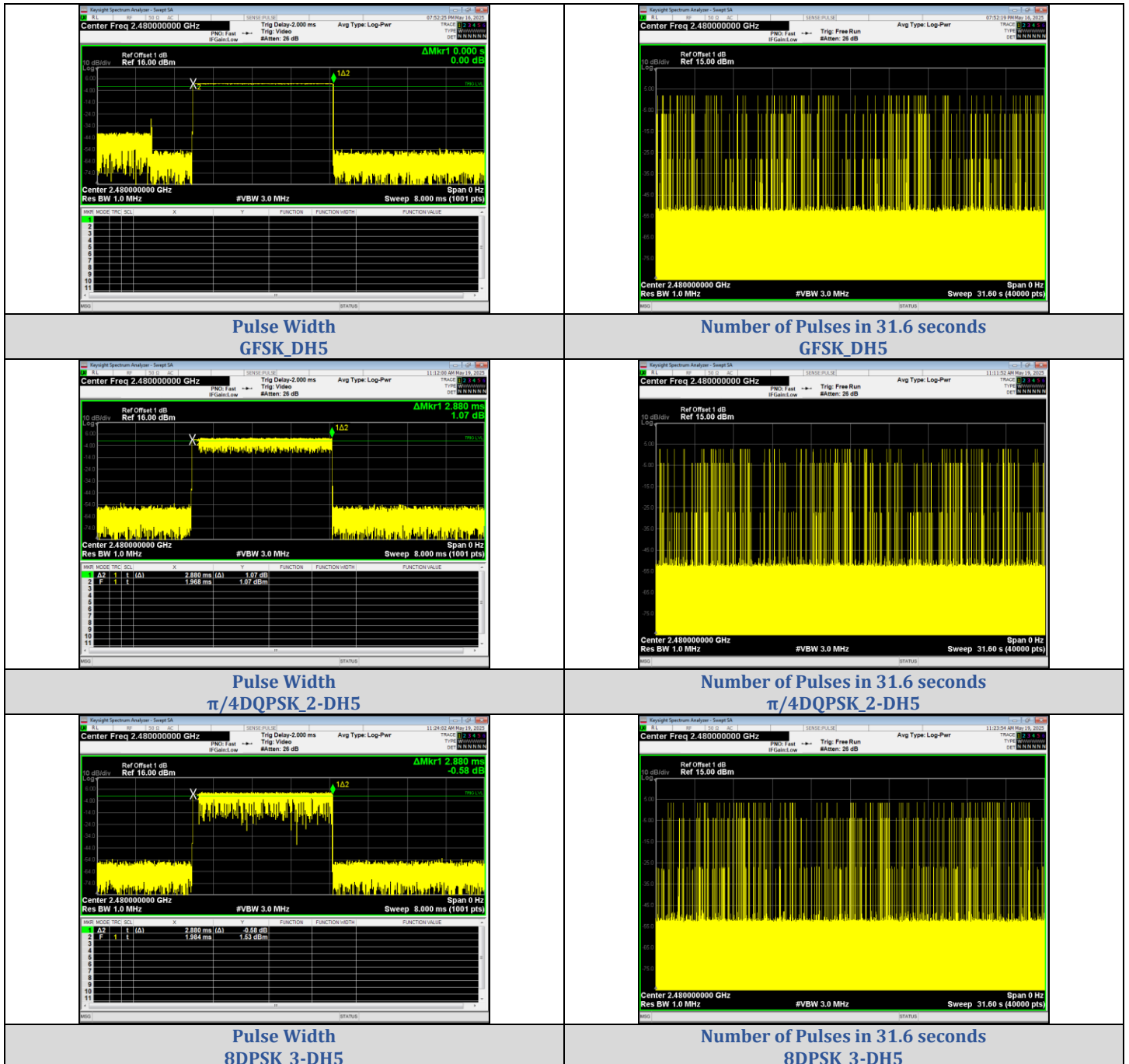
8DPSK(3-DH5)_Channel 78

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)	2.896	101	292.5	< 400	PASS
$\pi/4$ DQPSK	2-DH5		2.880	89	256.32		PASS
8DPSK	3-DH5		2.880	100	288.0		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

