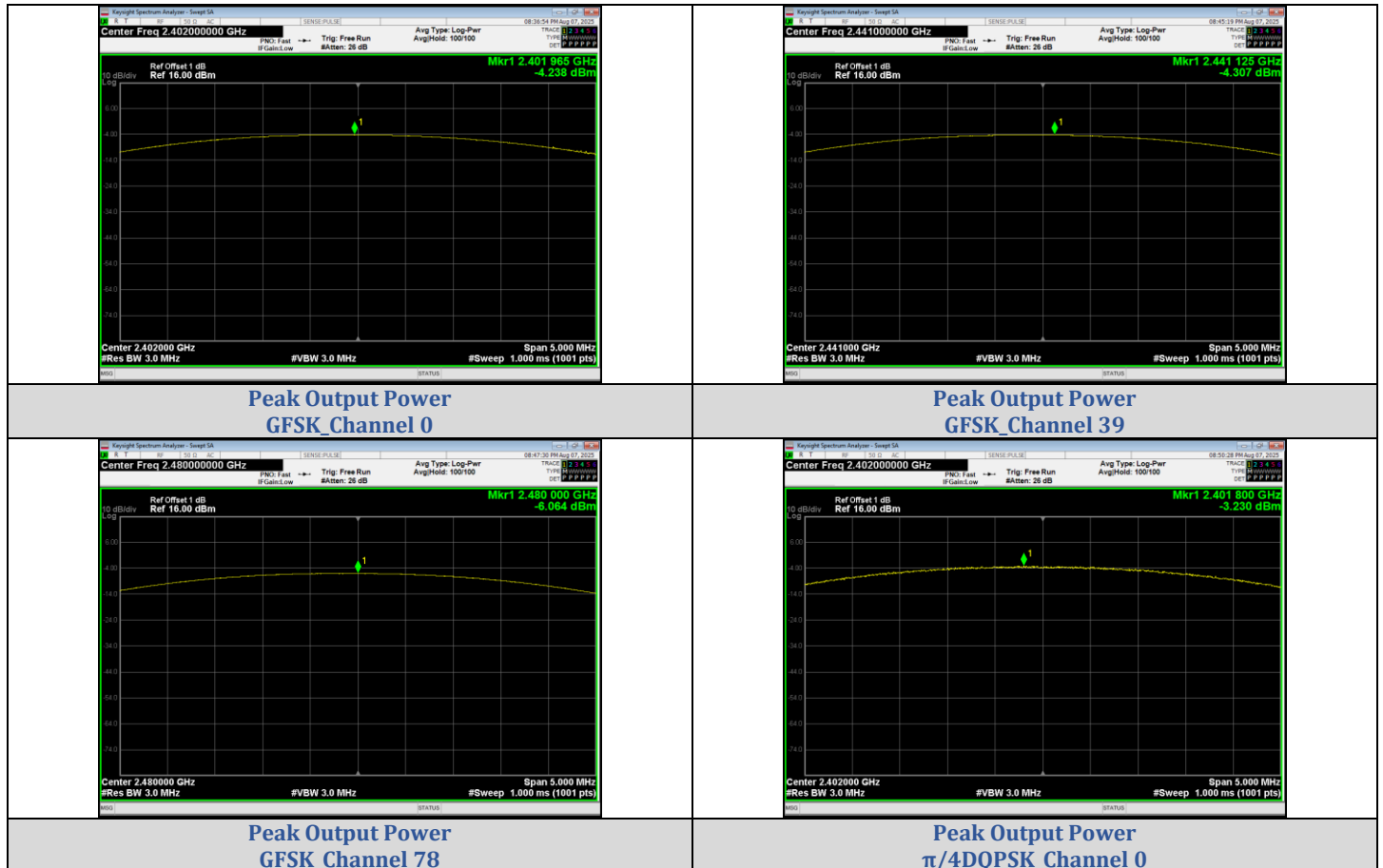


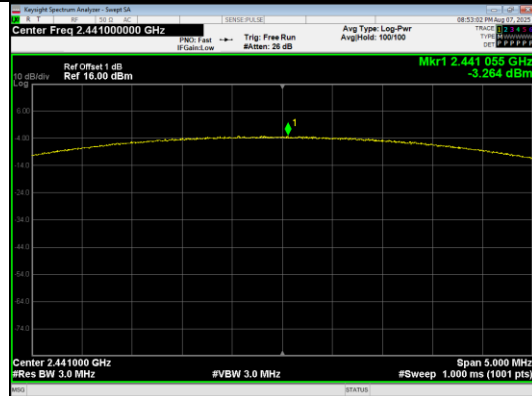
Conducted Output Power

Test Result

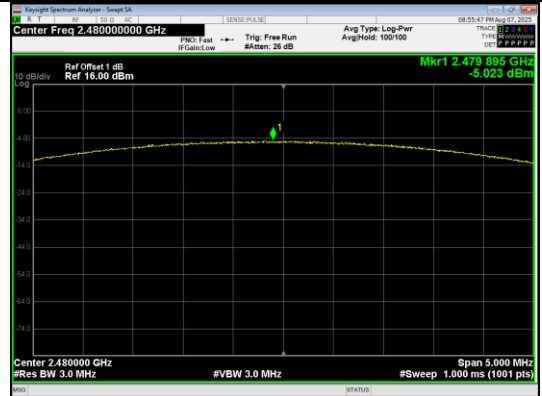
Modulation	Packet Type	Channel	Peak Output Power (dBm)	Peak Output Power (mW)	Max. Avg. Power (dBm)	Limit (dBm)	Result
GFSK	DH5	0	-4.24	0.38	-4.60	≤30	PASS
		39	-4.31	0.37	-4.67		PASS
		78	-6.06	0.25	-6.37		PASS
$\pi/4$ DQPSK	2-DH5	0	-3.23	0.48	-6.74	≤20.97	PASS
		39	-3.26	0.47	-6.73		PASS
		78	-5.02	0.31	-8.54		PASS
8DPSK	3-DH5	0	-2.77	0.53	-6.72		PASS
		39	-2.95	0.51	-6.76		PASS
		78	-4.66	0.34	-8.59		PASS

Test Graphs

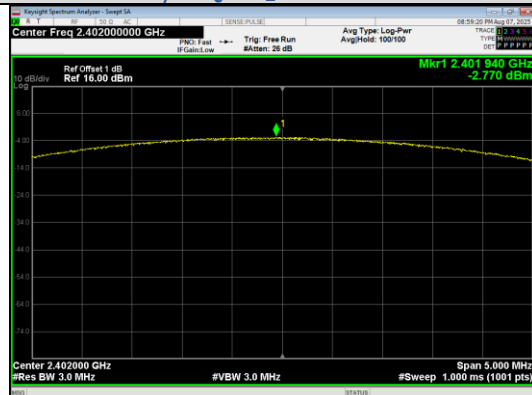




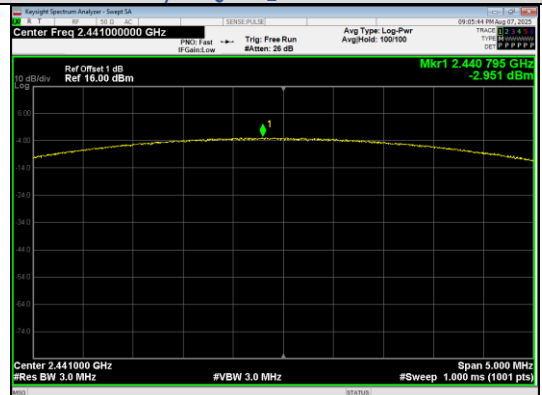
Peak Output Power
 $\pi/4$ DQPSK_Channel 39



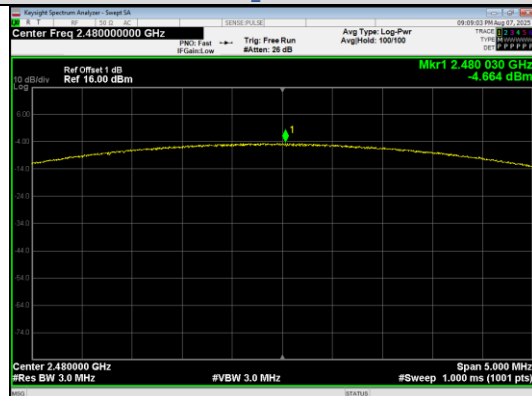
Peak Output Power
 $\pi/4$ DQPSK_Channel 78



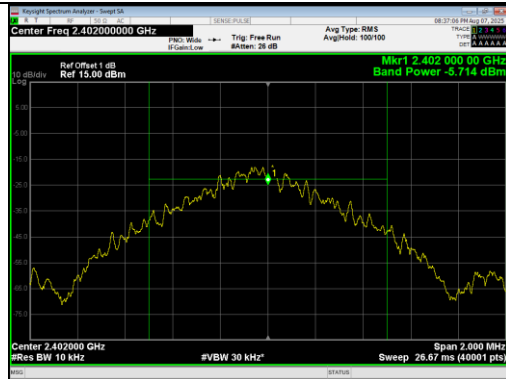
Peak Output Power
8DPSK_Channel 0



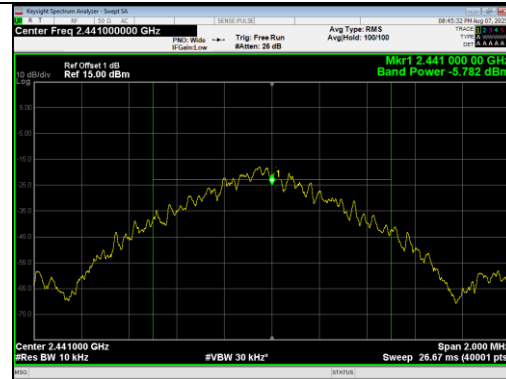
Peak Output Power
8DPSK_Channel 39



Peak Output Power
8DPSK_Channel 78



Average Output Power
GFSK_Channel 0



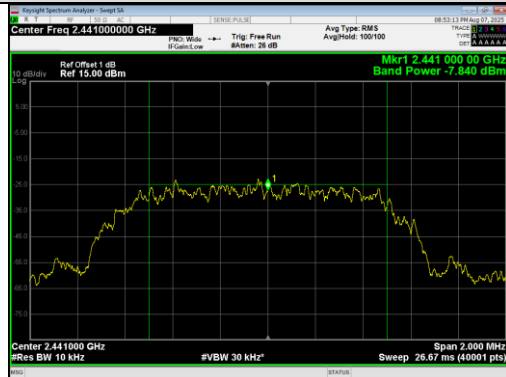
Average Output Power
GFSK_Channel 39



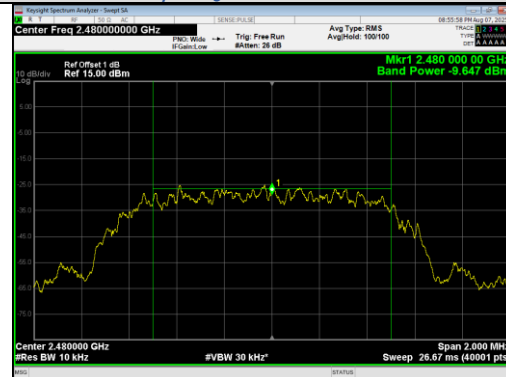
Average Output Power
GFSK_Channel 78



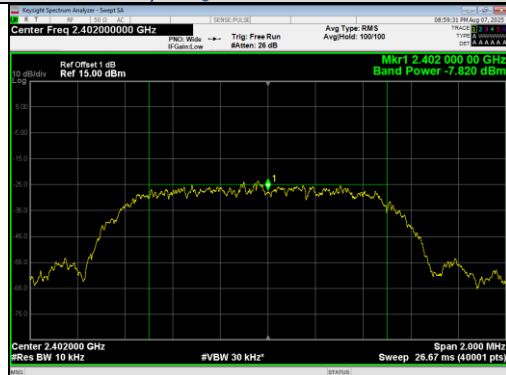
Average Output Power
 $\pi/4$ QPSK_Channel 0



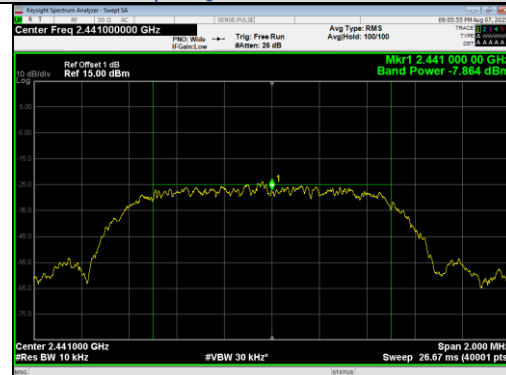
Average Output Power
 $\pi/4$ QPSK_Channel 39



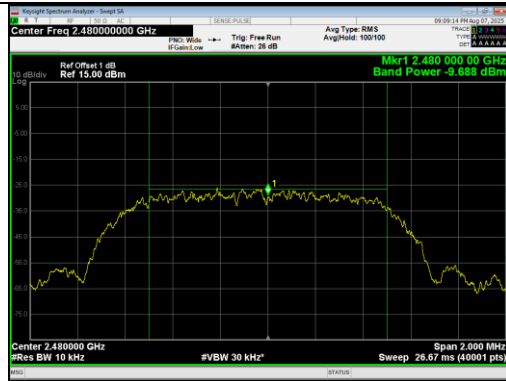
Average Output Power
 $\pi/4$ QPSK_Channel 78



Average Output Power
8DPSK_Channel 0



Average Output Power
8DPSK_Channel 39



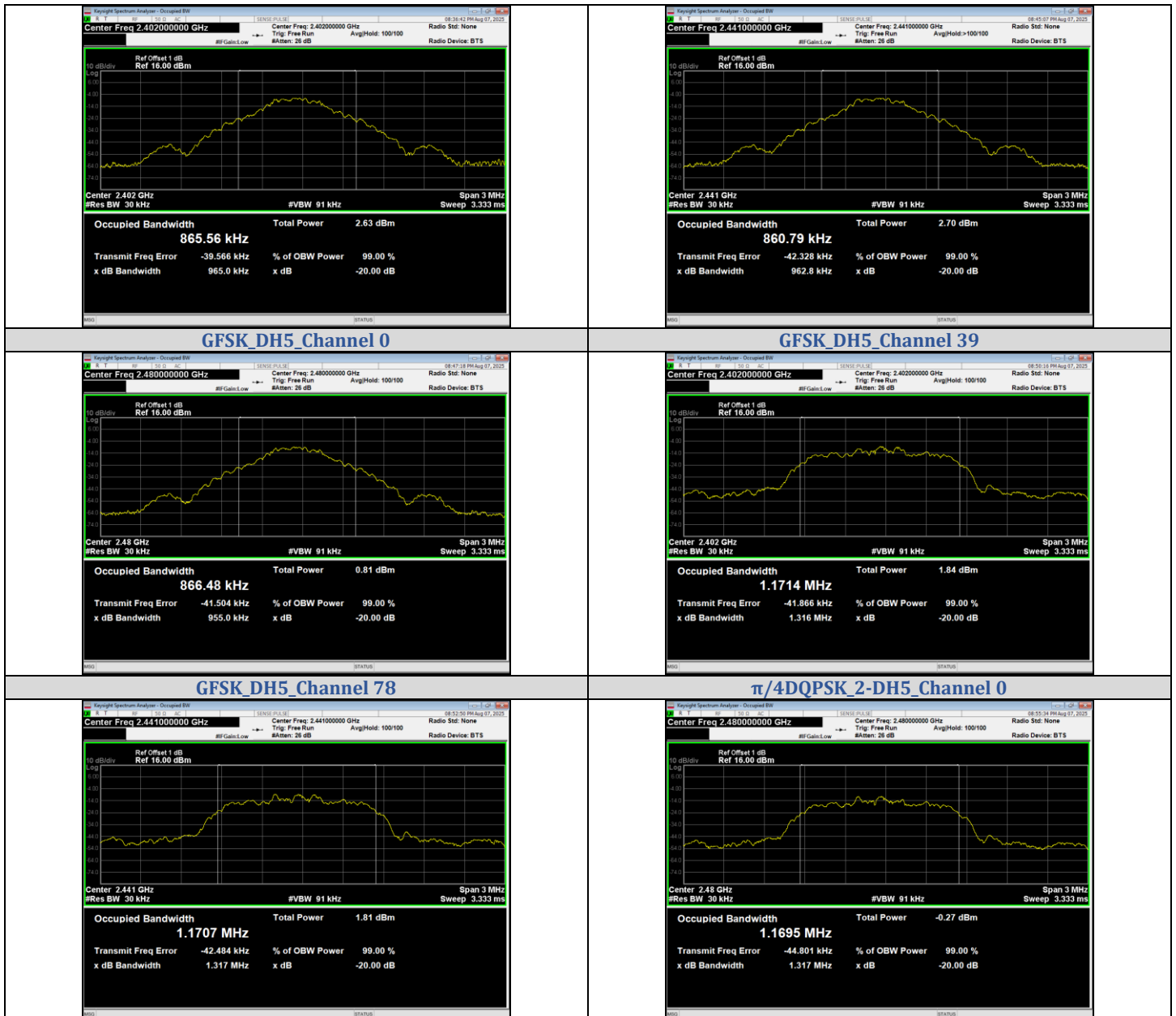
Average Output Power
 8DPSK_Channel 78

20dB Bandwidth

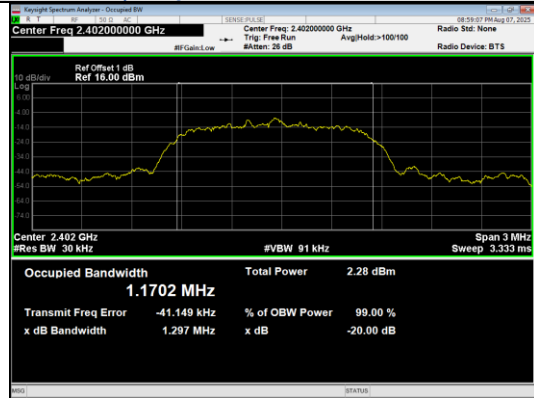
Test Result

Modulation	Channel	Center Frequency (MHz)	20 dB Bandwidth (MHz)
GFSK	0	2402 MHz	0.9600
	39	2441 MHz	0.9600
	78	2480 MHz	0.9600
$\pi/4$ DQPSK	0	2402 MHz	1.320
	39	2441 MHz	1.320
	78	2480 MHz	1.320
8DPSK	0	2402 MHz	1.300
	39	2441 MHz	1.300
	78	2480 MHz	1.300

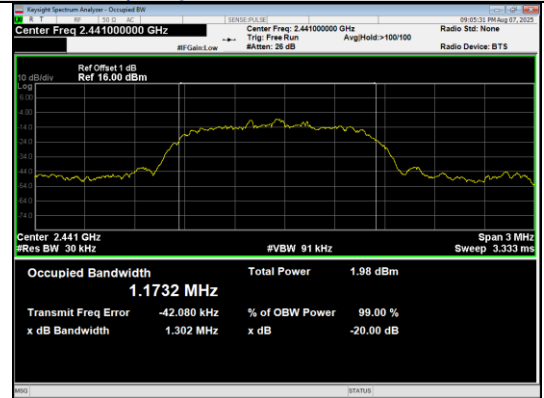
Test Graphs



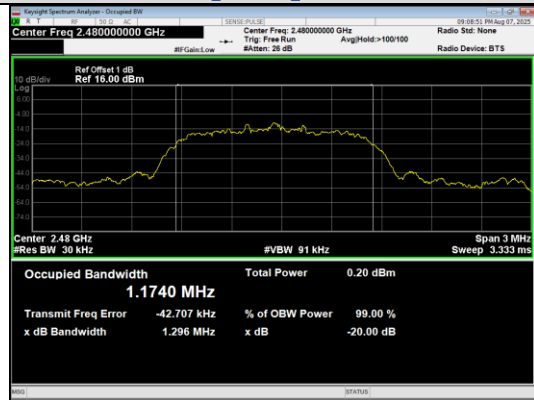
$\pi/4$ DQPSK 2-DH5_Channel 39



$\pi/4$ DQPSK 2-DH5_Channel 78



8DPSK 3-DH5_Channel 0



8DPSK 3-DH5_Channel 39

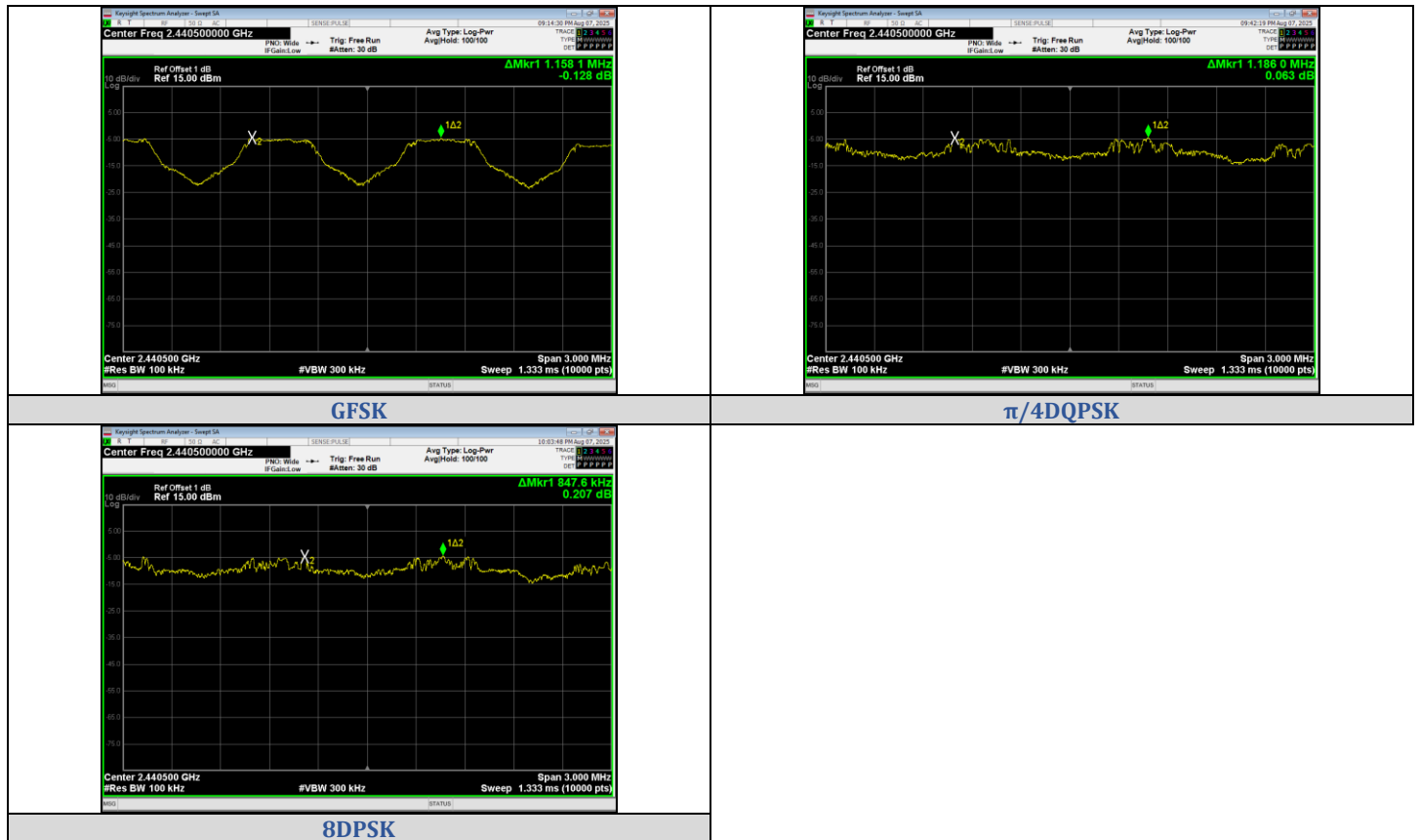
8DPSK 3-DH5_Channel 78

Carrier Frequencies Separation

Test Result

Modulation	Packet	Left Center frequency (MHz)	Right Center frequency (MHz)	Hopping Frequency Separation (MHz)	Limit (MHz)	Result
GFSK	DH5	2439.7942	2440.9523	1.1581	0.99	PASS
$\pi/4$ DQPSK	2-DH5	2439.7924	2440.9784	1.1860	0.99	PASS
8DPSK	3-DH5	2440.1164	2440.964	0.8476	0.99	PASS

Test Graphs



Conducted Out Of Band Emission

Test Result

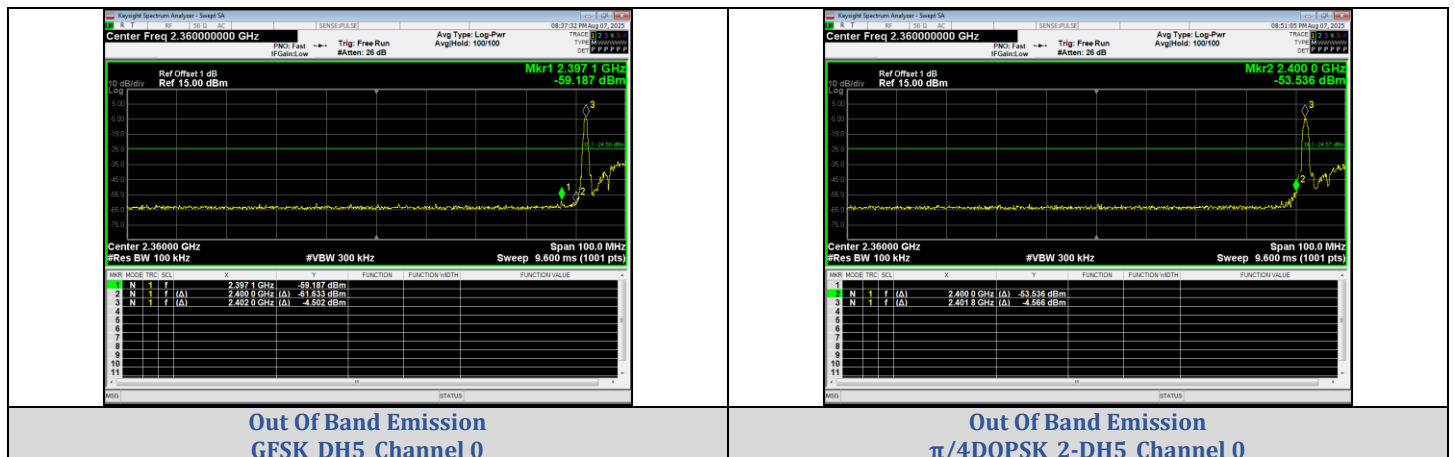
Non-Hopping

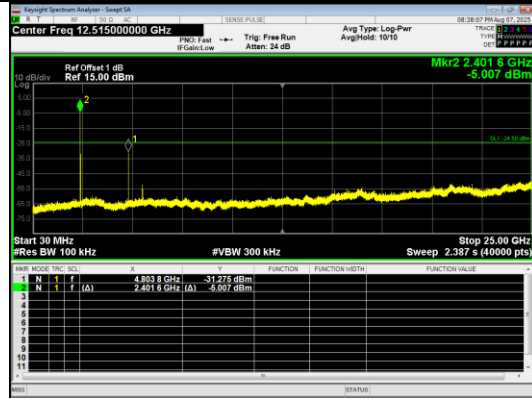
Modulation	Packet	Channel	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result
GFSK	DH5	0	2397.10	-59.187	-24.5	-34.687	PASS
			2400.00	-61.630	-24.5	-37.130	PASS
			4803.80	-31.275	-24.5	-6.775	PASS
		39	4881.79	-33.296	-24.43	-8.866	PASS
		78	2483.50	-62.950	-26.17	-36.780	PASS
			4959.83	-34.419	-26.17	-8.249	PASS
$\pi/4$ DQPSK	2-DH5	0	2400.00	-53.540	-24.57	-28.970	PASS
			4803.76	-33.050	-24.57	-8.480	PASS
		39	4881.79	-30.519	-24.7	-5.819	PASS
		78	2483.50	-63.410	-26.23	-37.180	PASS
			4959.83	-34.934	-26.23	-8.704	PASS
8DPSK	3-DH5	0	2400.00	-57.770	-24.72	-33.050	PASS
			4803.76	-34.026	-24.72	-9.306	PASS
		39	4882.42	-35.408	-24.4	-11.008	PASS
		78	2483.50	-61.450	-26.2	-35.250	PASS
			4959.83	-37.859	-26.2	-11.659	PASS

Hopping

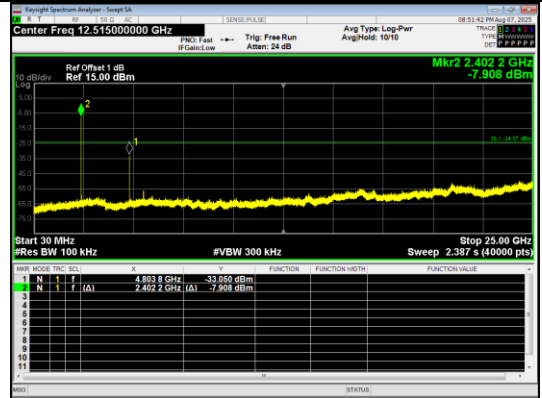
Modulation	Packet	Channel	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result
GFSK	DH5	Hopping	2397.08	-58.791	-24.29	-34.501	PASS
			2400.00	-61.110	-24.29	-36.820	PASS
			2483.50	-62.950	-26.38	-36.570	PASS
$\pi/4$ DQPSK	2-DH5		2400.00	-52.790	-24.44	-28.350	PASS
			2483.50	-61.180	-26.15	-35.030	PASS
8DPSK	3-DH5		2400.00	-58.680	-24.35	-34.330	PASS
			2483.50	-62.880	-26.18	-36.700	PASS

Test Graphs

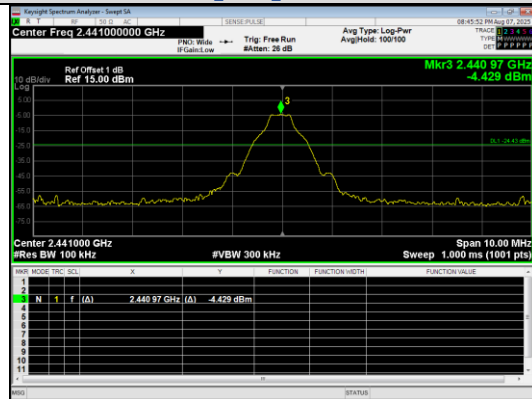




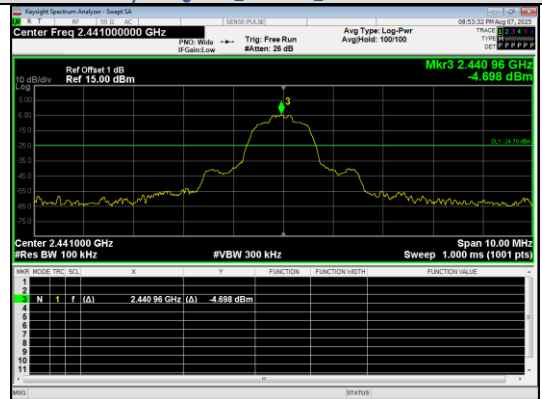
30.0 MHz - 25000.0 MHz
GFSK_DH5_Channel 0



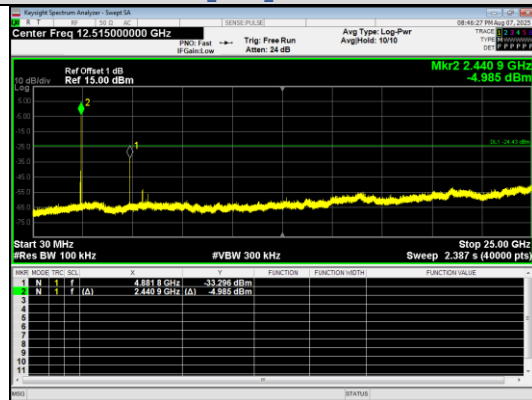
30.0 MHz - 25000.0 MHz
 $\pi/4$ DQPSK_2-DH5_Channel 0



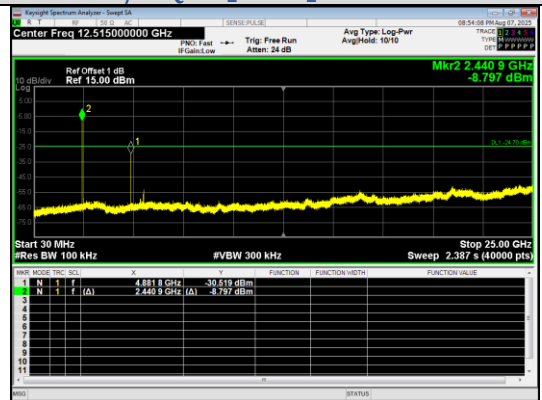
Out Of Band Emission
GFSK_DH5_Channel 39



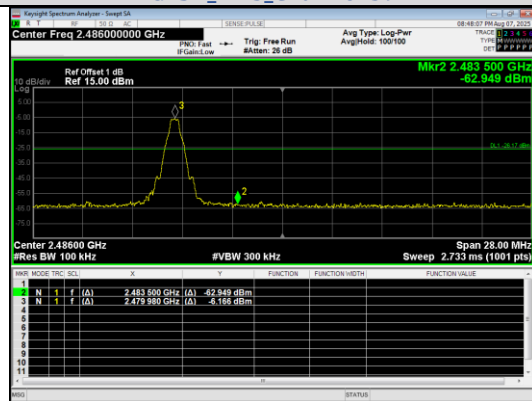
Out Of Band Emission
 $\pi/4$ DQPSK_2-DH5_Channel 39



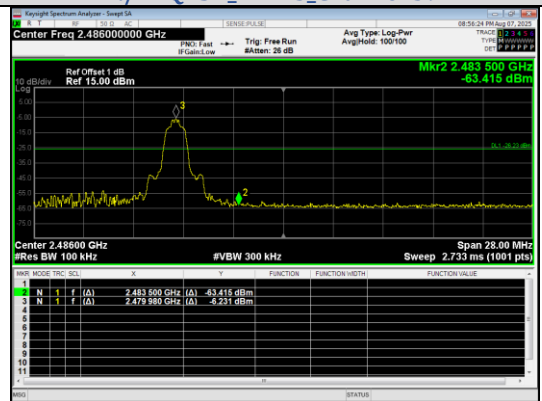
30.0 MHz - 25000.0 MHz
GFSK_DH5_Channel 39



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

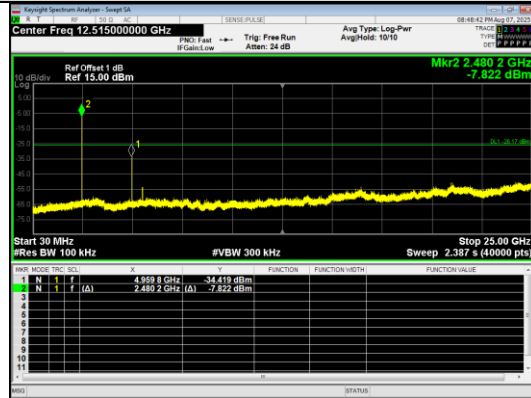


Out Of Band Emission



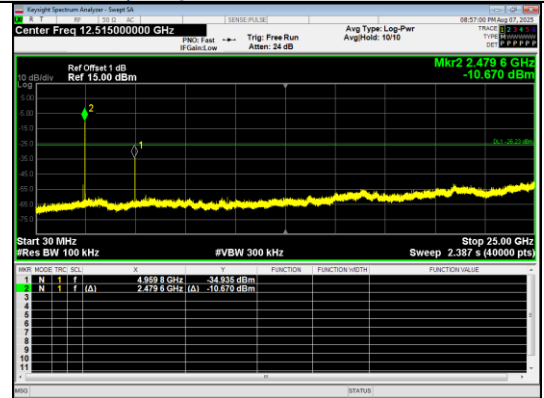
Out Of Band Emission

GFSK_DH5_Channel 78

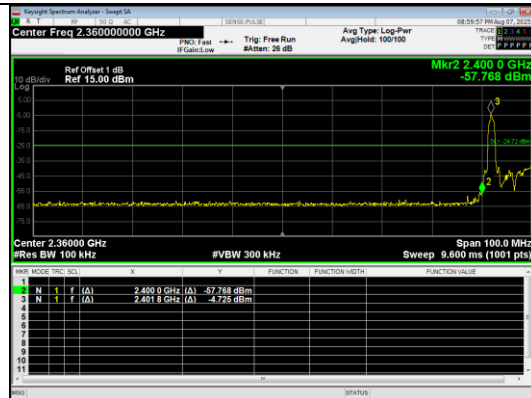


30.0 MHz - 25000.0 MHz
GFSK_DH5_Channel 78

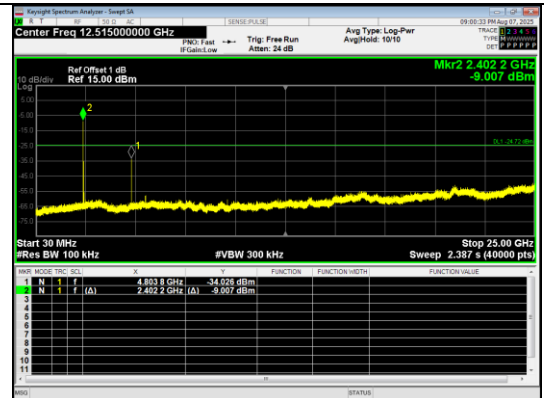
$\pi/4$ DQPSK_2-DH5_Channel 78



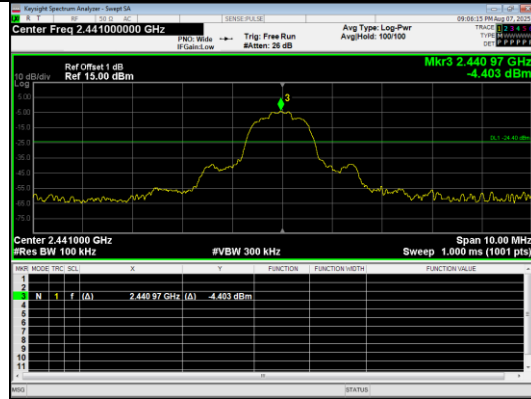
30.0 MHz - 25000.0 MHz
 $\pi/4$ DQPSK_2-DH5_Channel 78



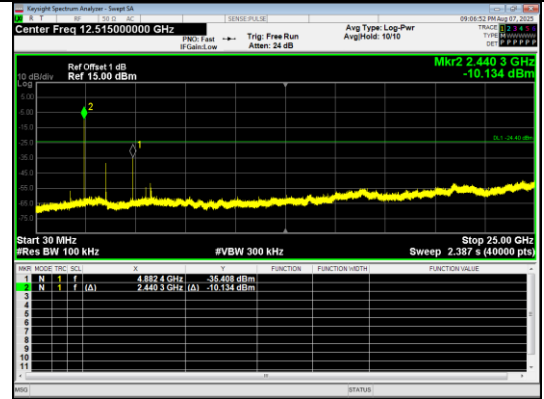
Out Of Band Emission
8DPSK_3-DH5_Channel 0



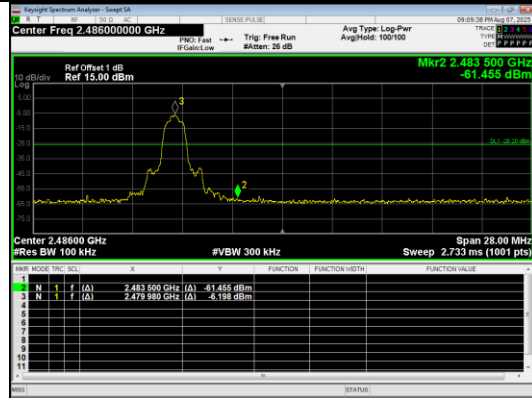
30.0 MHz - 25000.0 MHz
8DPSK_3-DH5_Channel 0



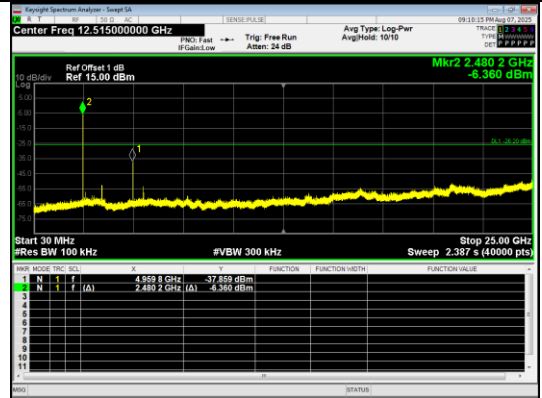
Out Of Band Emission
8DPSK_3-DH5_Channel 39



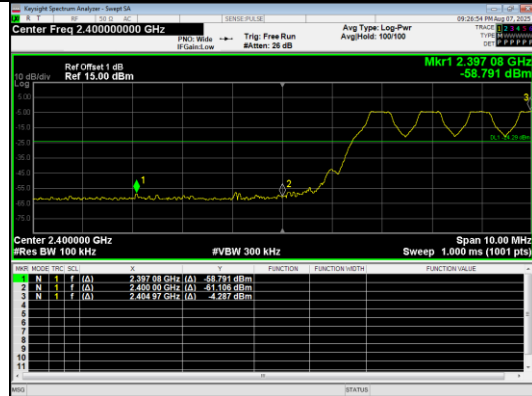
30.0 MHz - 25000.0 MHz
8DPSK_3-DH5_Channel 39



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



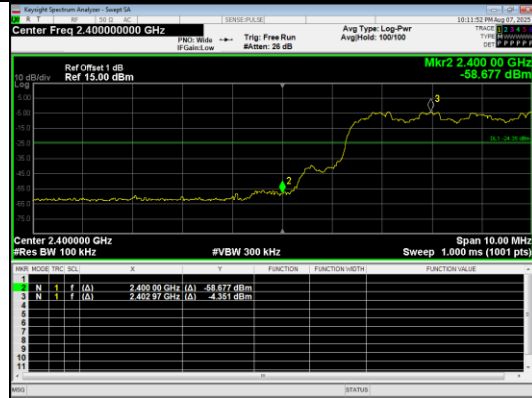
Out Of Band Emission(Left)
π/4DQPSK_2-DH5_Channel Hopping



Out Of Band Emission(Right)
GFSK_DH5_Channel Hopping



Out Of Band Emission(Right)
π/4DQPSK_2-DH5_Channel Hopping



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



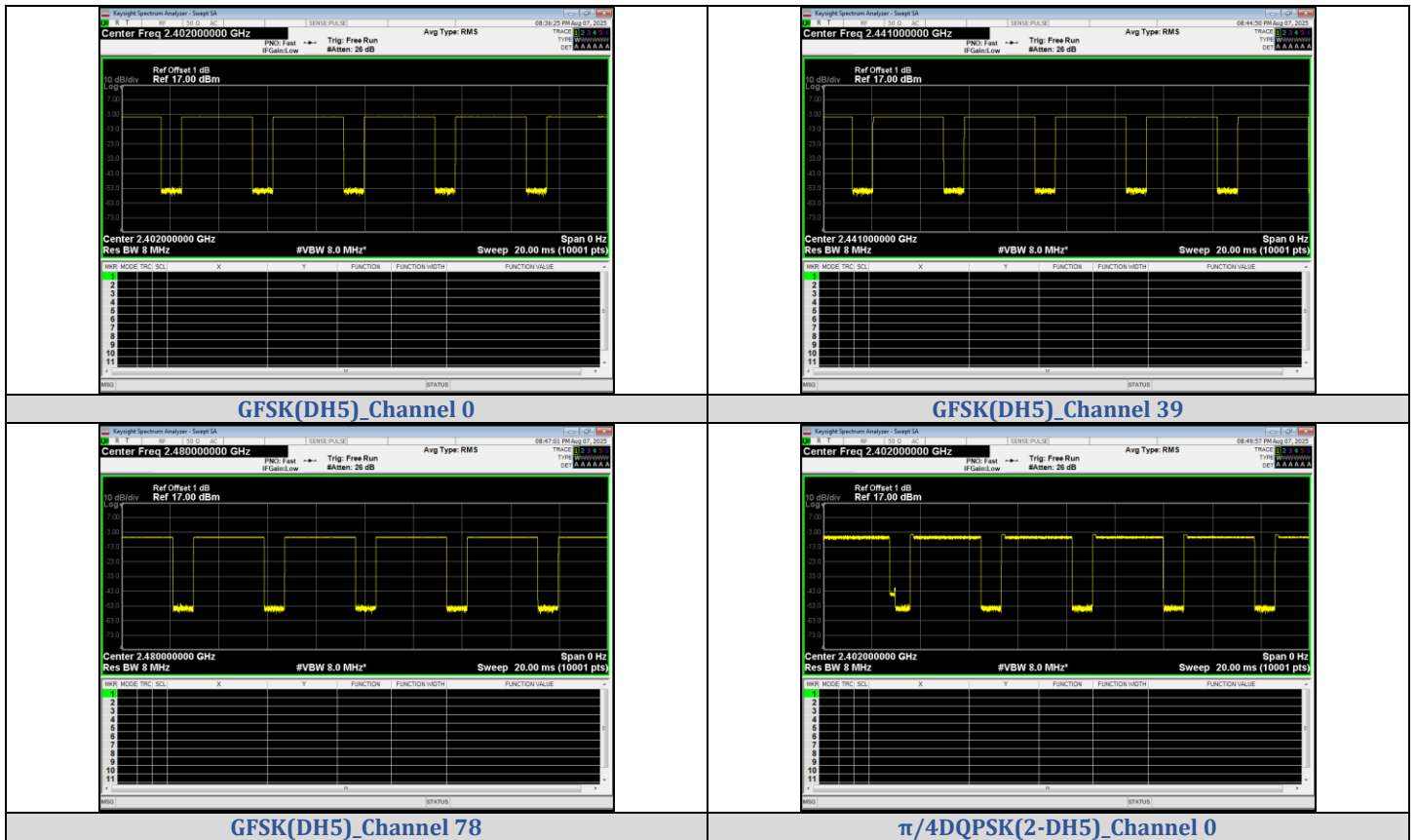
Out Of Band Emission(Right)
8DPSK_3-DH5_Channel Hopping

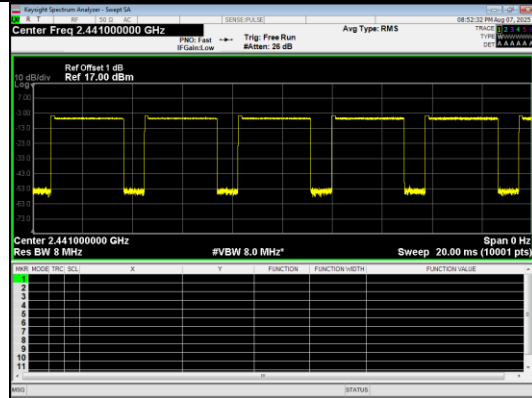
Duty Cycle

Test Result

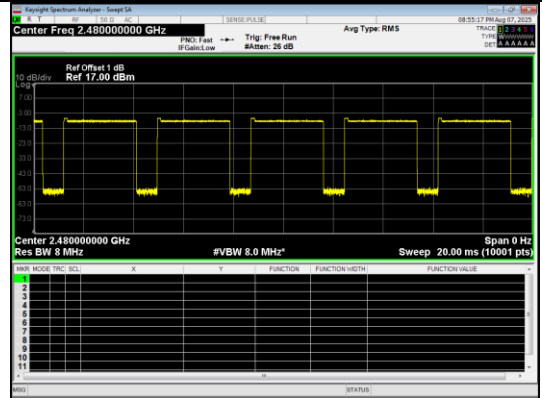
Modulation	Packets	Channel	On Time (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle (linear)	Duty Cycle Factor (dB)	1/T
GFSK	DH5	0	2.900	3.748	77.37	0.7737	1.1143	0.3448
		39	2.900	3.748	77.37	0.7737	1.1143	0.3448
		78	2.900	3.748	77.37	0.7737	1.1143	0.3448
$\pi/4$ DQPSK	2-DH5	0	2.906	3.748	77.53	0.7753	1.1053	0.3441
		39	2.906	3.748	77.53	0.7753	1.1053	0.3441
		78	2.906	3.748	77.53	0.7753	1.1053	0.3441
8DPSK	3-DH5	0	2.908	3.748	77.59	0.7759	1.1019	0.3439
		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

Test Graphs

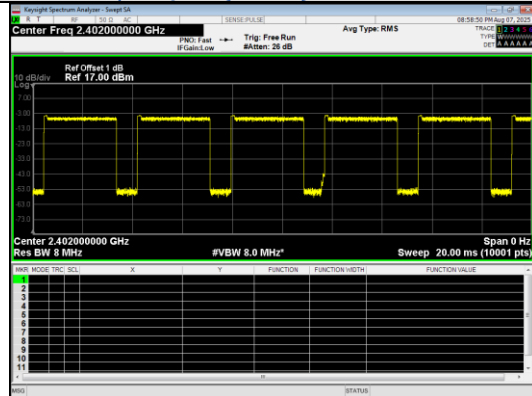




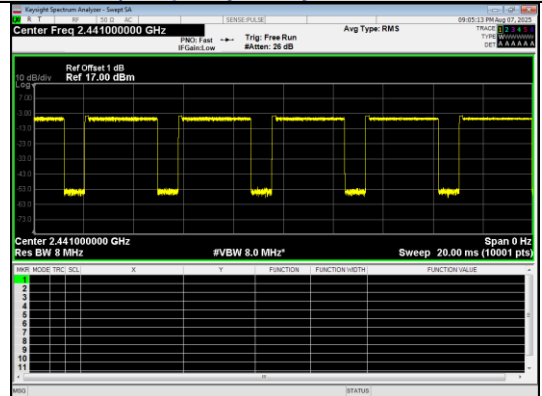
$\pi/4$ DQPSK(2-DH5)_Channel 39



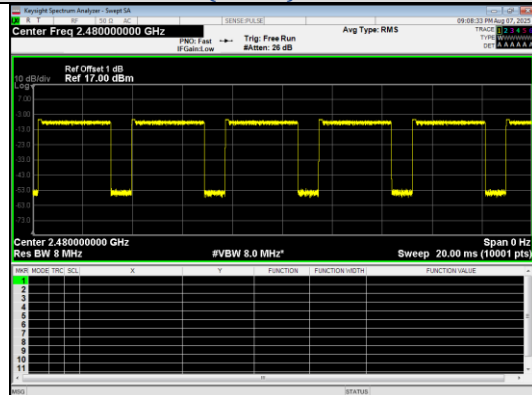
$\pi/4$ DQPSK(2-DH5)_Channel 78



8DPSK(3-DH5)_Channel 0



8DPSK(3-DH5)_Channel 39



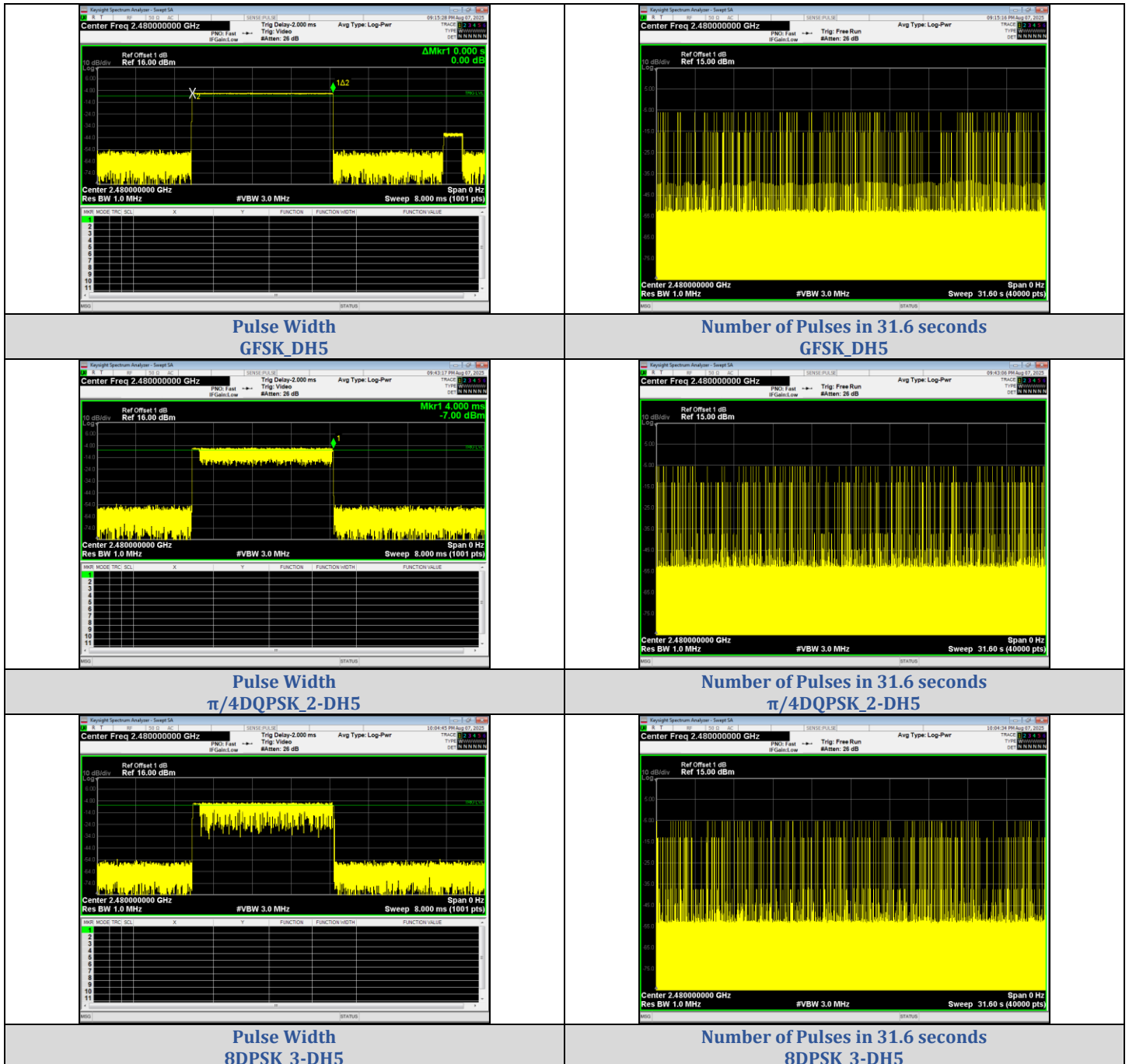
8DPSK(3-DH5)_Channel 78

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	2.896	114	330.14	< 400	PASS
$\pi/4$ DQPSK	2-DH5		2.904	100	290.4		PASS
8DPSK	3-DH5		2.896	105	304.08		PASS

Test Graphs

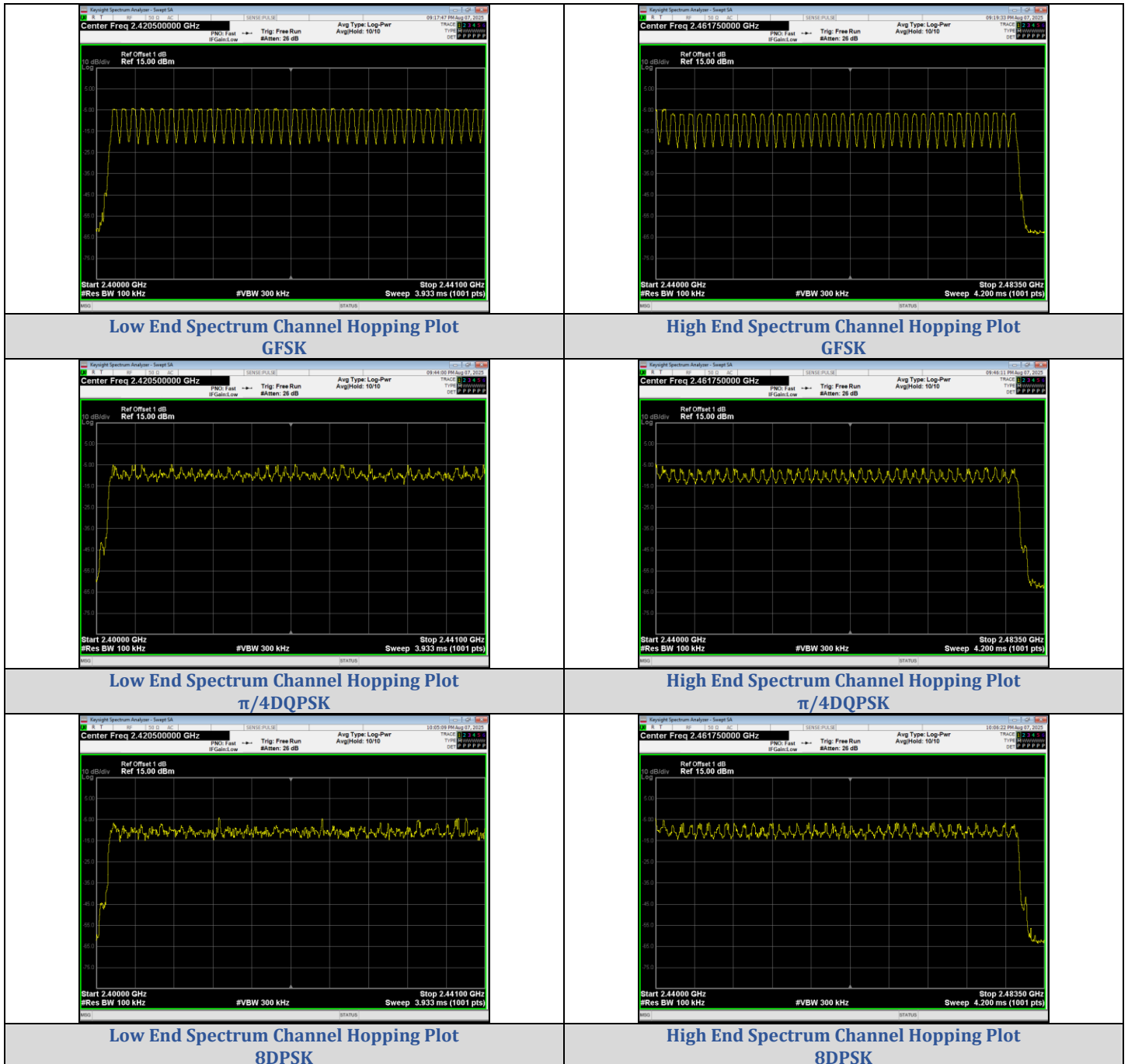


Number Of Hopping Channel

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



***** End of Report *****