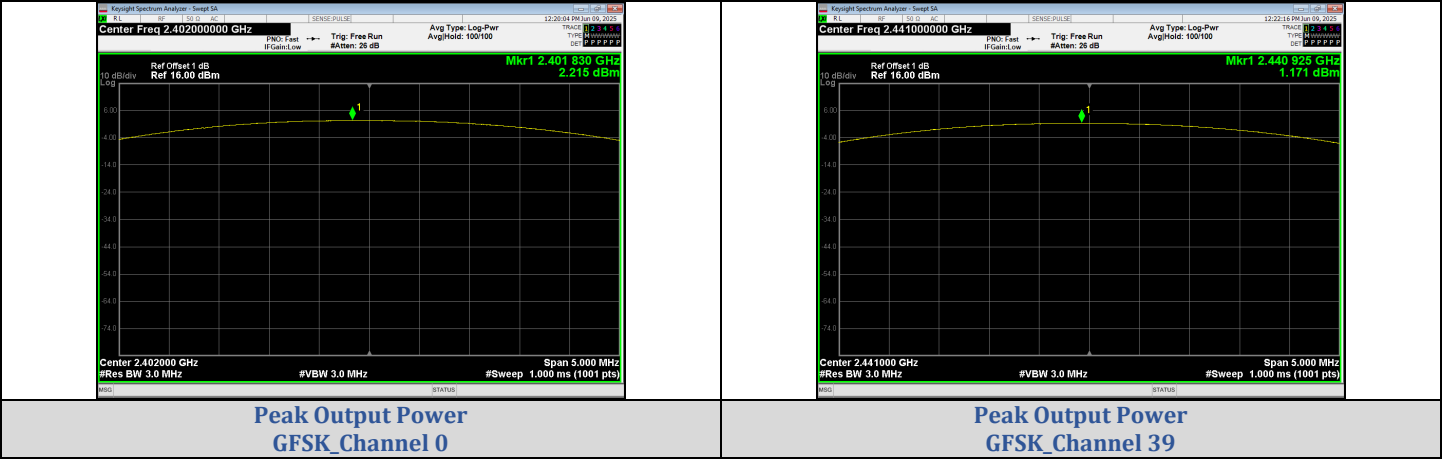


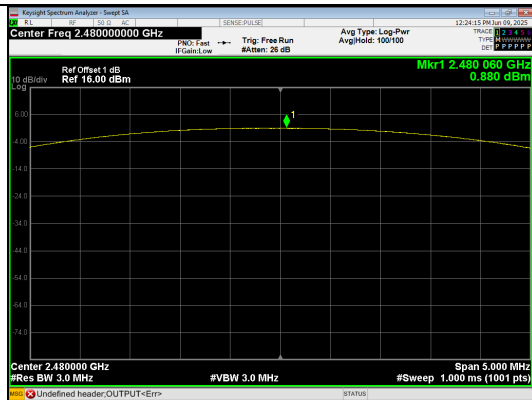
Conducted Output Power
Test Result

Modulation	Packet Type	Channel	Peak Output Power (dBm)	Peak Output Power (mW)	Max. Avg. Power (dBm)	Limit (dBm)	Result
GFSK	DH5	0	2.21	1.67	1.91	≤30	PASS
		39	1.17	1.31	0.82		PASS
		78	0.88	1.22	0.46		PASS
$\pi/4$ DQPSK	2-DH5	0	3.17	2.07	-0.35	≤20.97	PASS
		39	2.15	1.64	-1.34		PASS
		78	1.84	1.53	-1.72		PASS
8DPSK	3-DH5	0	3.66	2.32	-0.36		PASS
		39	2.54	1.79	-1.35		PASS
		78	2.29	1.69	-1.65		PASS

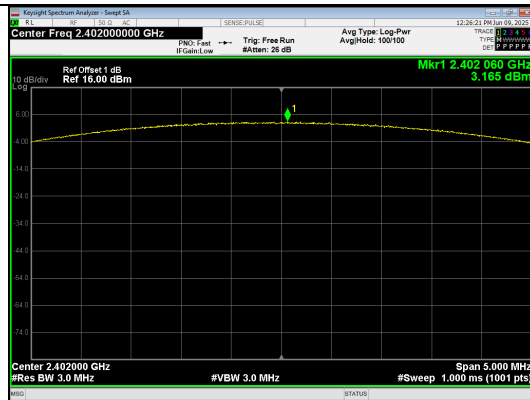
Modulation	Packet Type	Channel	Peak Output Power (dBm)	Peak Power Limit (dBm)	ISED EIRP (dBm)	ISED EIRP Limit (dBm)	Max. Avg. Power (dBm)	Result
GFSK	DH5	0	2.21	≤30	3.915	≤36.02	1.91	PASS
		39	1.17	≤30	2.871	≤36.02	0.82	PASS
		78	0.88	≤30	2.580	≤36.02	0.46	PASS
$\pi/4$ DQPSK	2-DH5	0	3.17	≤20.97	4.865	≤36.02	-0.35	PASS
		39	2.15	≤20.97	3.849	≤36.02	-1.34	PASS
		78	1.84	≤20.97	3.538	≤36.02	-1.72	PASS
8DPSK	3-DH5	0	3.66	≤20.97	5.356	≤36.02	-0.36	PASS
		39	2.54	≤20.97	4.235	≤36.02	-1.35	PASS
		78	2.29	≤20.97	3.991	≤36.02	-1.65	PASS

Test Graphs

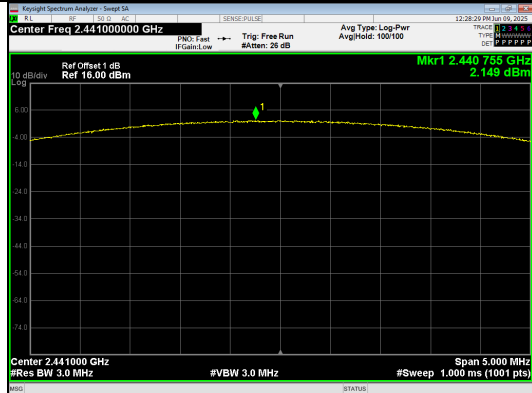




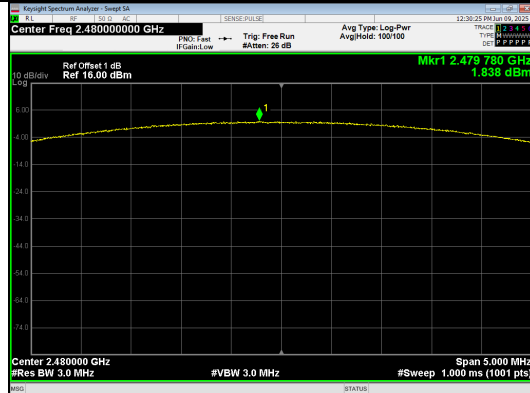
Peak Output Power
GFSK_Channel 78



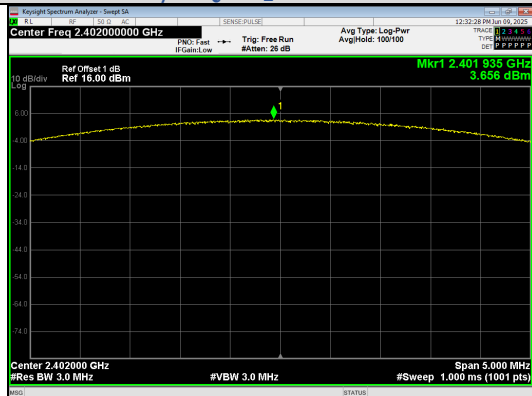
Peak Output Power
 $\pi/4$ DQPSK_Channel 0



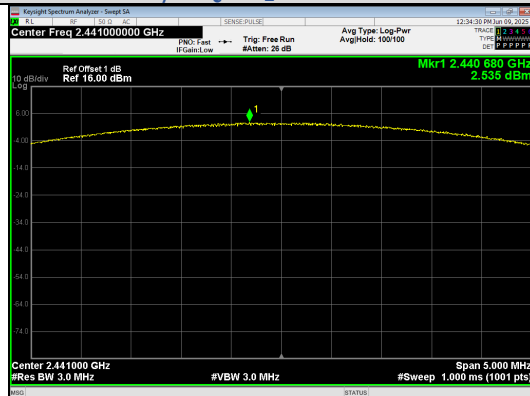
Peak Output Power
 $\pi/4$ DQPSK_Channel 39



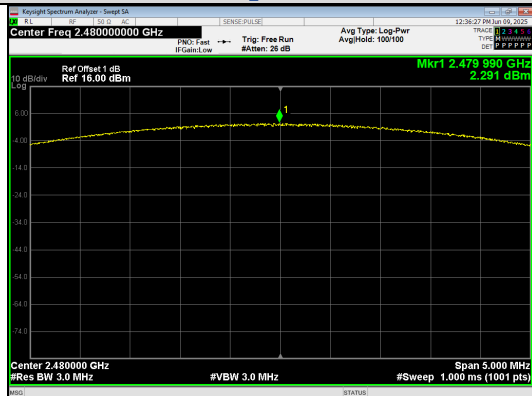
Peak Output Power
 $\pi/4$ DQPSK_Channel 78



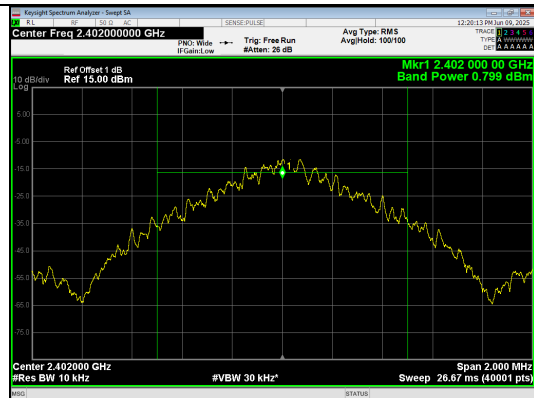
Peak Output Power
8DPSK_Channel 0



Peak Output Power
8DPSK_Channel 39



Peak Output Power
8DPSK_Channel 78



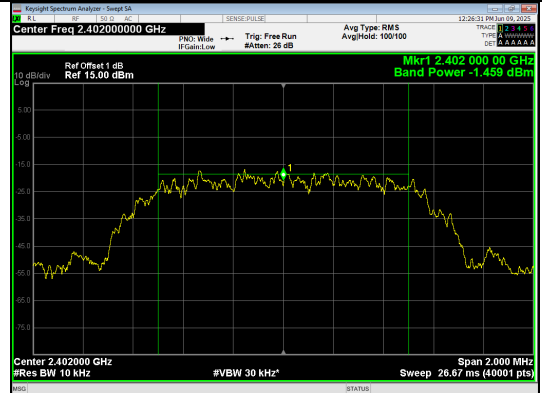
Average Output Power
GFSK_Channel 0



Average Output Power
GFSK_Channel 39



Average Output Power
GFSK_Channel 78



Average Output Power
 $\pi/4$ DQPSK_Channel 0



Average Output Power
 $\pi/4$ DQPSK_Channel 39



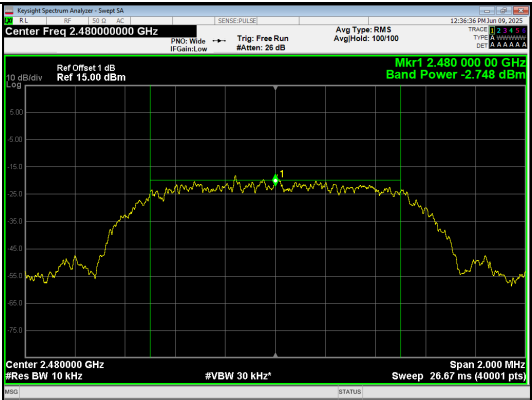
Average Output Power
 $\pi/4$ DQPSK_Channel 78



Average Output Power
8DPSK_Channel 0



Average Output Power
8DPSK_Channel 39



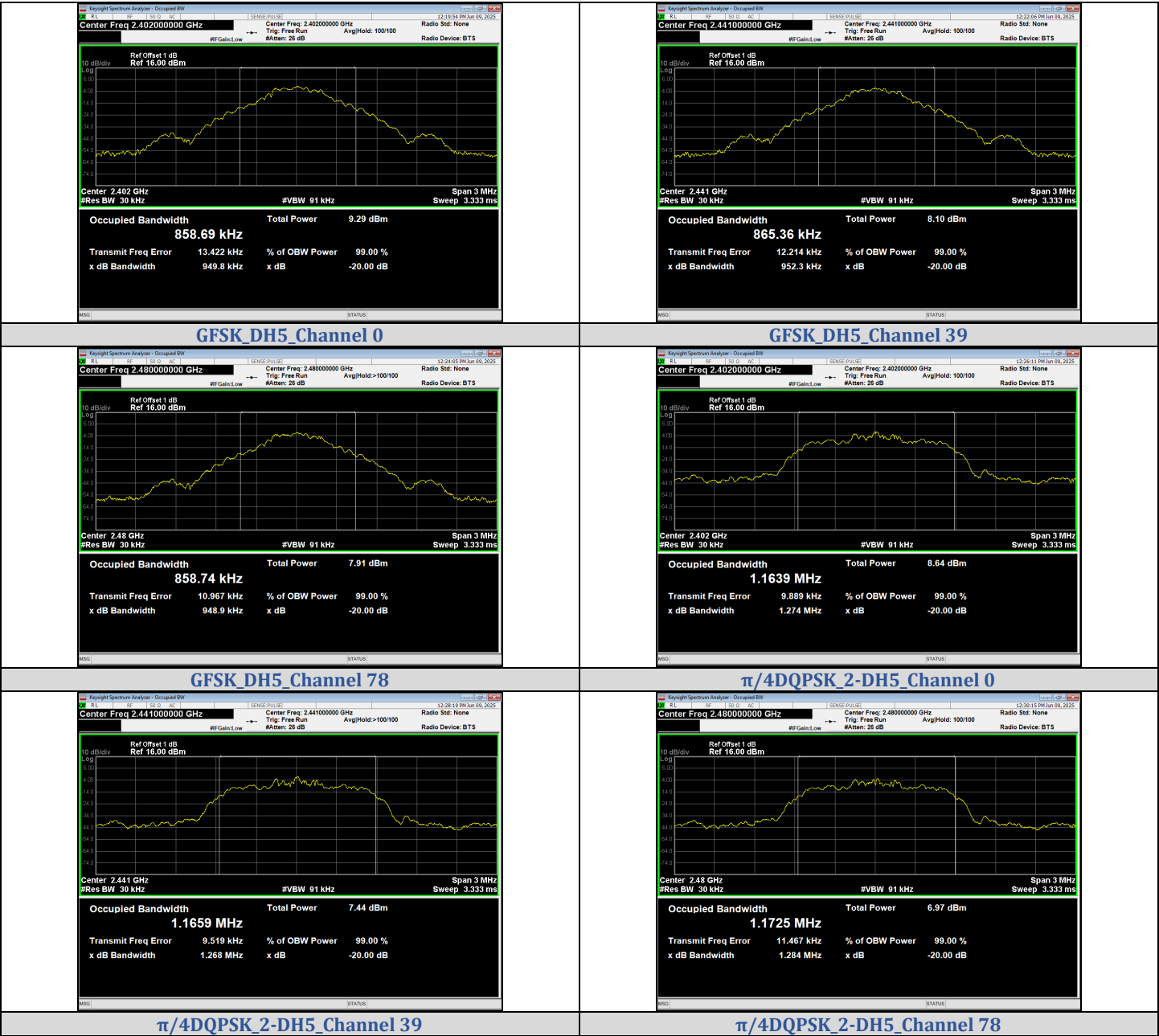
Average Output Power
8DPSK_Channel 78

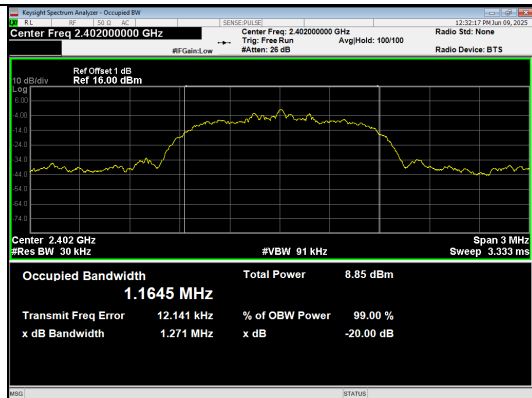
20dB Bandwidth

Test Result

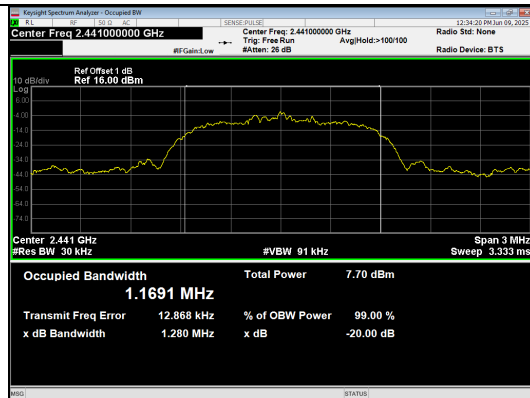
Modulation	Channel	Center Frequency (MHz)	20 dB Bandwidth (MHz)
GFSK	0	2402 MHz	0.9498
	39	2441 MHz	0.9523
	78	2480 MHz	0.9489
π /4DQPSK	0	2402 MHz	1.274
	39	2441 MHz	1.268
	78	2480 MHz	1.284
8DPSK	0	2402 MHz	1.271
	39	2441 MHz	1.280
	78	2480 MHz	1.275

Test Graphs

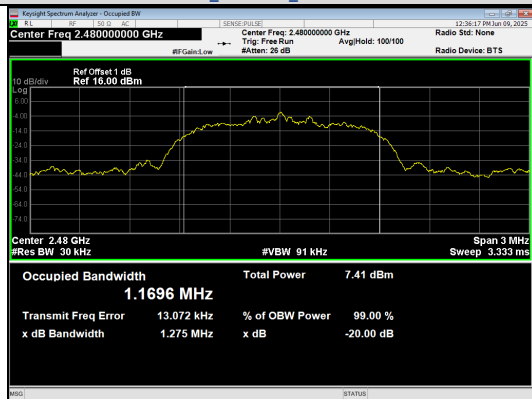




8DPSK_3-DH5_Channel 0



8DPSK_3-DH5_Channel 39



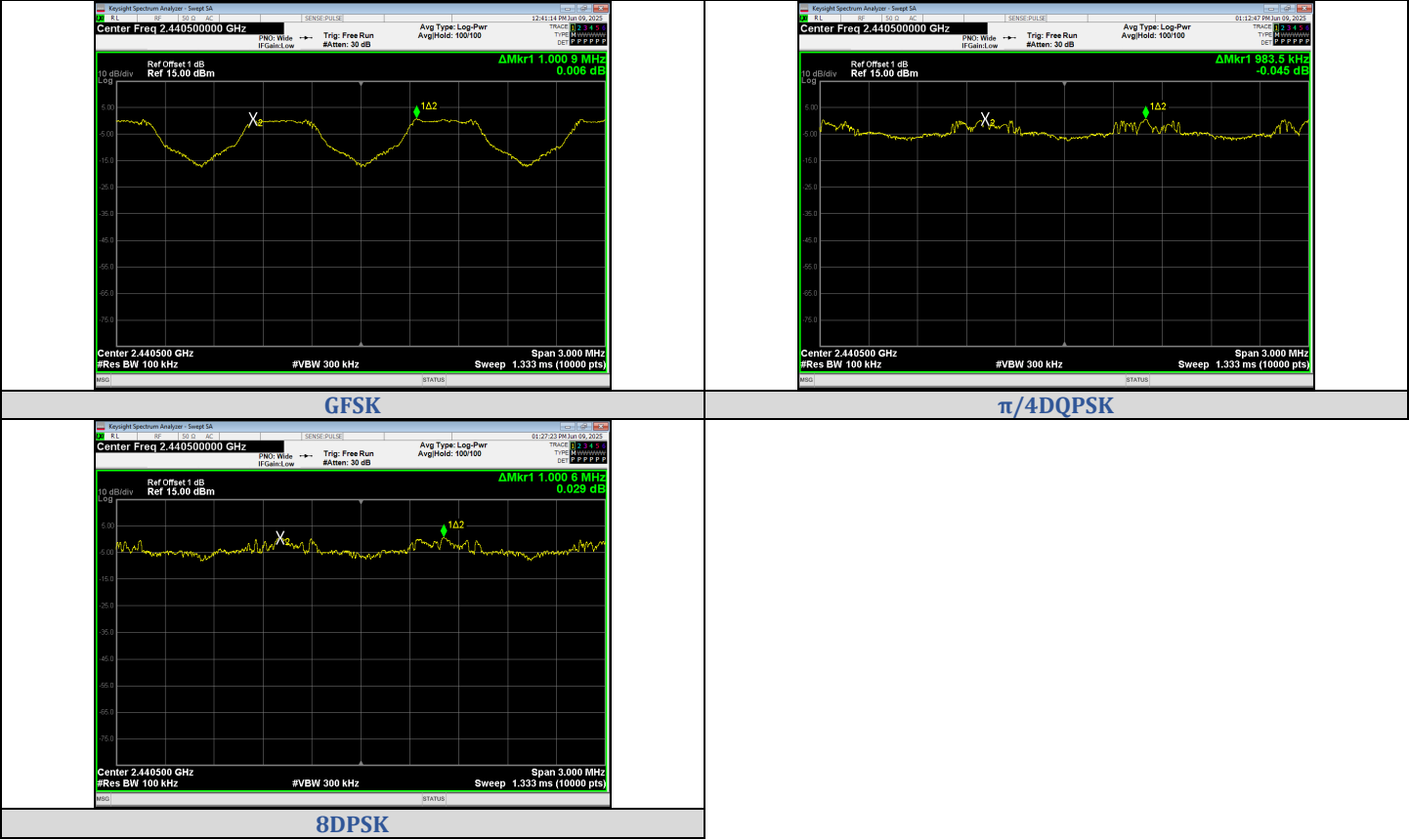
8DPSK_3-DH5_Channel 78

Carrier Frequencies Separation

Test Result

Modulation	Packet	Left Center frequency (MHz)	Right Center frequency (MHz)	Hopping Frequency Separation (MHz)	Limit (MHz)	Result
GFSK	DH5	2439.8404	2440.8413	1.0009	0.635	PASS
$\pi/4$ DQPSK	2-DH5	2440.0132	2440.9967	0.9835	0.856	PASS
8DPSK	3-DH5	2440.0054	2441.006	1.0006	0.853	PASS

Test Graphs



Conducted Out Of Band Emission

Test Result

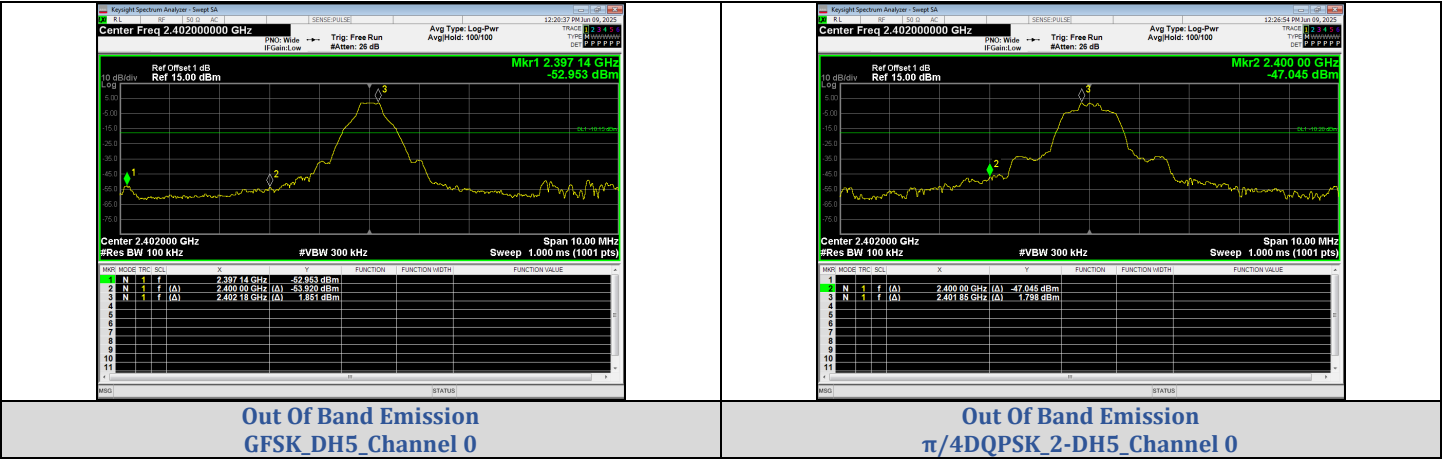
Non-Hopping

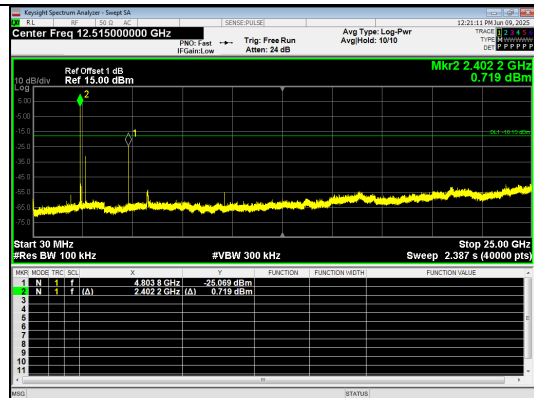
Modulation	Packet	Channel	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result
GFSK	DH5	0	2397.14	-52.953	-18.15	-34.803	PASS
			2400.00	-53.920	-18.15	-35.770	PASS
			4803.80	-25.069	-18.15	-6.919	PASS
		39	4882.42	-25.236	-19.16	-6.076	PASS
		78	2483.50	-60.840	-19.43	-41.410	PASS
			4960.45	-26.281	-19.43	-6.851	PASS
π /4DQPSK	2-DH5	0	2400.00	-47.045	-18.2	-28.845	PASS
			4803.76	-27.139	-18.2	-8.939	PASS
		39	4881.79	-31.846	-19.38	-12.466	PASS
		78	2483.50	-59.785	-19.56	-40.225	PASS
			4960.45	-31.662	-19.56	-12.102	PASS
8DPSK	3-DH5	0	2400.00	-50.581	-18.27	-32.311	PASS
			4804.38	-29.607	-18.27	-11.337	PASS
		39	4882.42	-31.278	-19.43	-11.848	PASS
		78	2483.50	-58.996	-19.52	-39.476	PASS
			4960.45	-31.018	-19.52	-11.498	PASS

Hopping

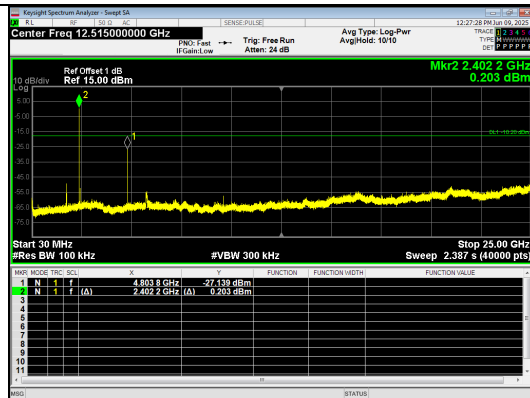
Modulation	Packet	Channel	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result
GFSK	DH5	Hopping	2397.16	-52.278	-18.24	-34.038	PASS
			2400.00	-53.920	-18.24	-35.680	PASS
			2483.50	-61.167	-19.6	-41.567	PASS
π /4DQPSK	2-DH5		2400.00	-52.268	-18.24	-34.028	PASS
			2483.50	-61.375	-19.7	-41.675	PASS
8DPSK	3-DH5		2400.00	-50.544	-18.38	-32.164	PASS
			2483.50	-61.596	-19.95	-41.646	PASS

Test Graphs

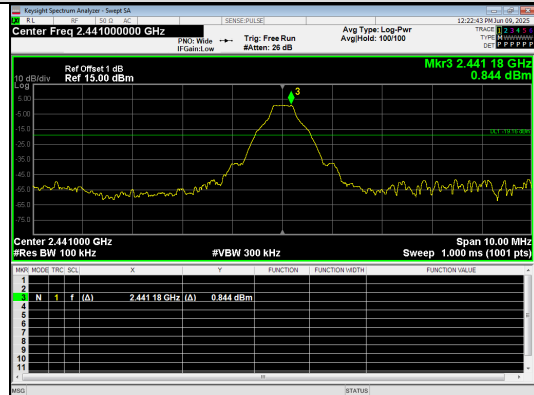




30.0 MHz - 25000.0 MHz
GFSK_DH5_Channel 0



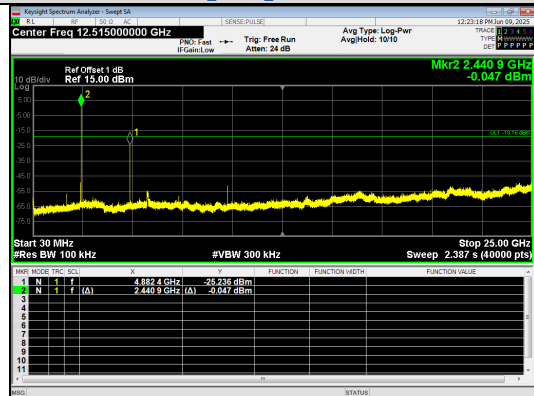
30.0 MHz - 25000.0 MHz
 $\pi/4$ DQPSK_2-DH5_Channel 0



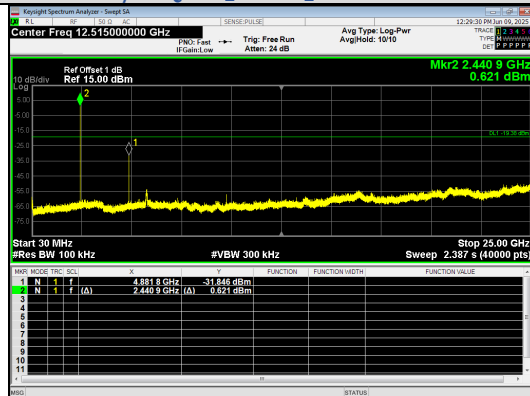
Out Of Band Emission
GFSK_DH5_Channel 39



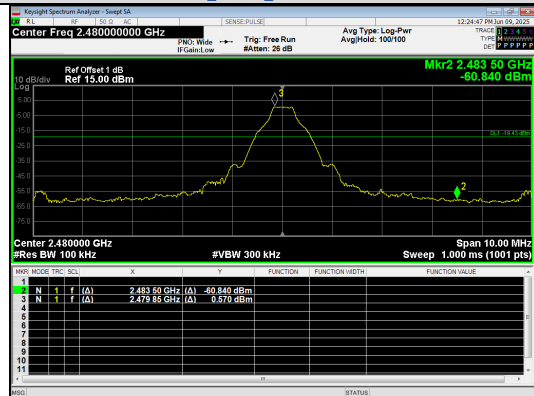
Out Of Band Emission
 $\pi/4$ DQPSK_2-DH5_Channel 39



30.0 MHz - 25000.0 MHz
GFSK_DH5_Channel 39



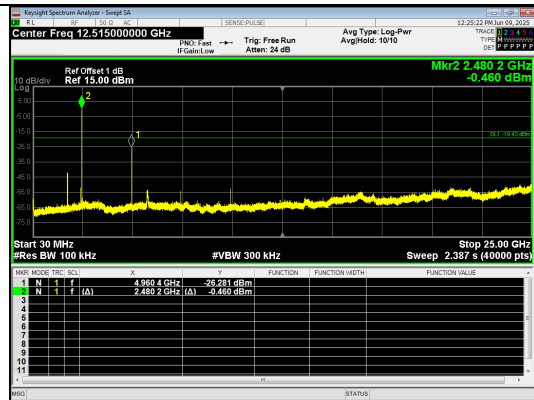
30.0 MHz - 25000.0 MHz
 $\pi/4$ DQPSK_2-DH5_Channel 39



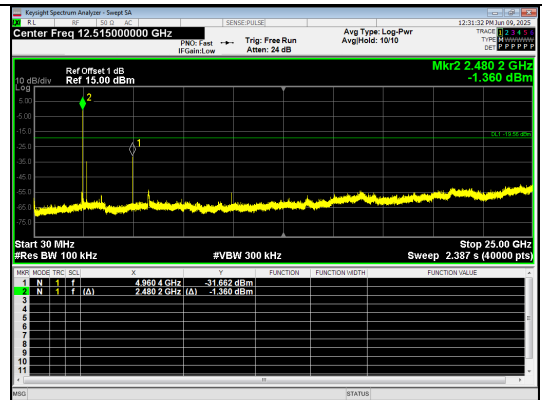
Out Of Band Emission
GFSK_DH5_Channel 78



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



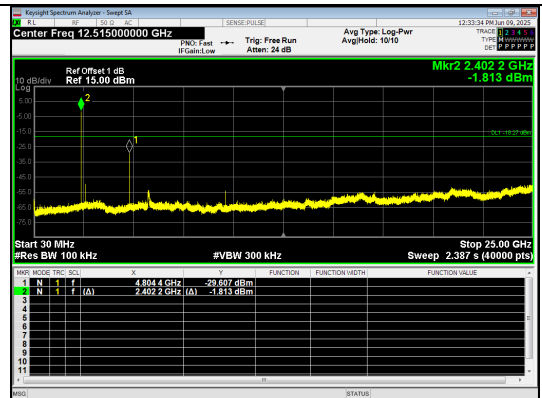
30.0 MHz - 25000.0 MHz
GFSK_DH5_Channel 78



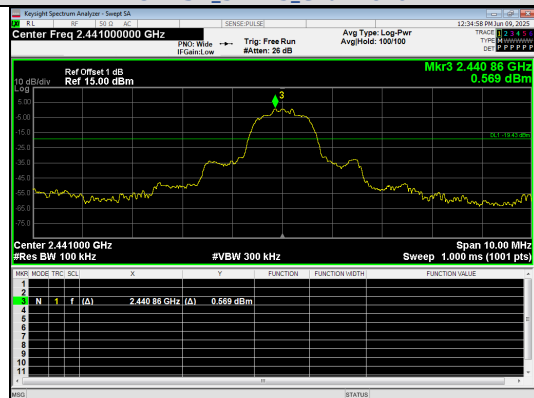
30.0 MHz - 25000.0 MHz
 $\pi/4$ DQPSK_2-DH5_Channel 78



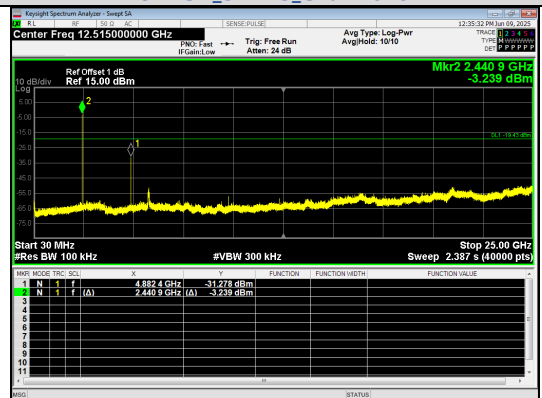
Out Of Band Emission
8DPSK_3-DH5_Channel 0



30.0 MHz - 25000.0 MHz
8DPSK_3-DH5_Channel 0



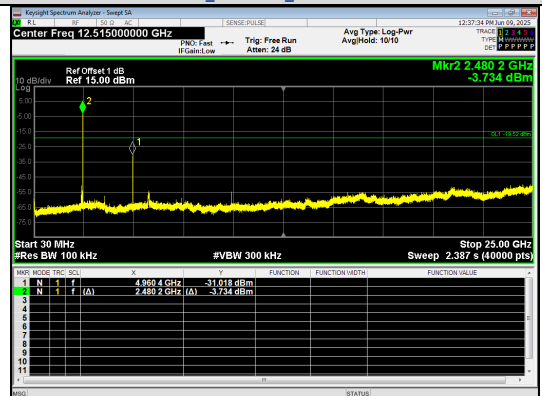
Out Of Band Emission
8DPSK_3-DH5_Channel 39



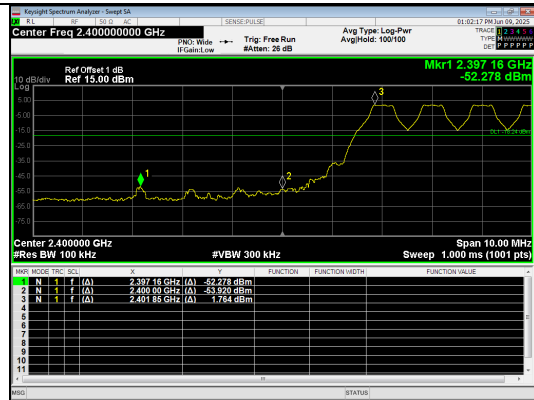
30.0 MHz - 25000.0 MHz
8DPSK_3-DH5_Channel 39



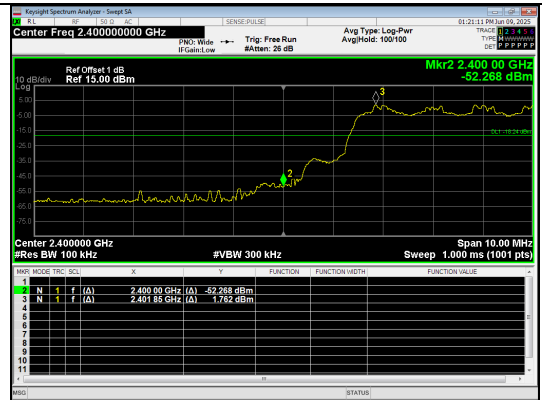
Out Of Band Emission
8DPSK_3-DH5_Channel 78



30.0 MHz - 25000.0 MHz
8DPSK_3-DH5_Channel 78



Out Of Band Emission(Left)
GFSK_DH5_Channel Hopping



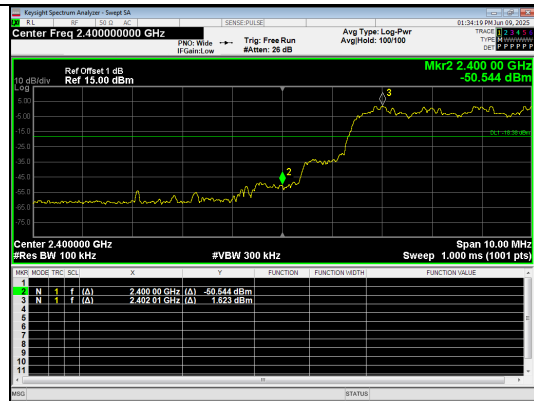
Out Of Band Emission(Left)
 $\pi/4$ DQPSK_2-DH5_Channel Hopping



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

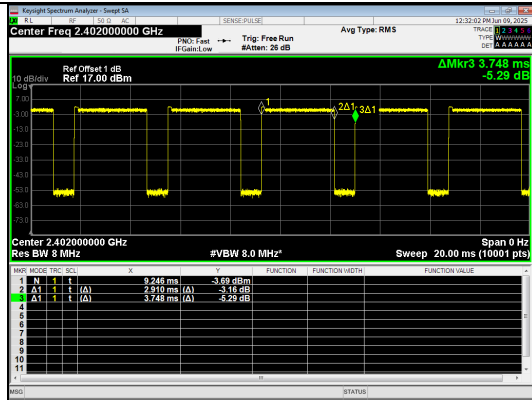
Duty Cycle

Test Result

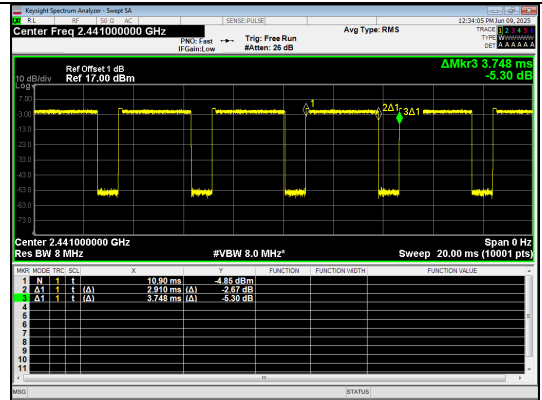
Modulation	Packets	Channel	On Time (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle (linear)	Duty Cycle Factor (dB)	1/T
GFSK	DH5	0	2.900	3.748	77.37	0.7737	1.1143	0.3448
		39	2.900	3.748	77.37	0.7737	1.1143	0.3448
		78	2.900	3.748	77.37	0.7737	1.1143	0.3448
$\pi/4$ DQPSK	2-DH5	0	2.906	3.748	77.53	0.7753	1.1053	0.3441
		39	2.906	3.748	77.53	0.7753	1.1053	0.3441
		78	2.908	3.748	77.59	0.7759	1.1019	0.3439
8DPSK	3-DH5	0	2.910	3.748	77.64	0.7764	1.0991	0.3436
		39	2.910	3.748	77.64	0.7764	1.0991	0.3436
		78	2.908	3.748	77.59	0.7759	1.1019	0.3439

Test Graphs

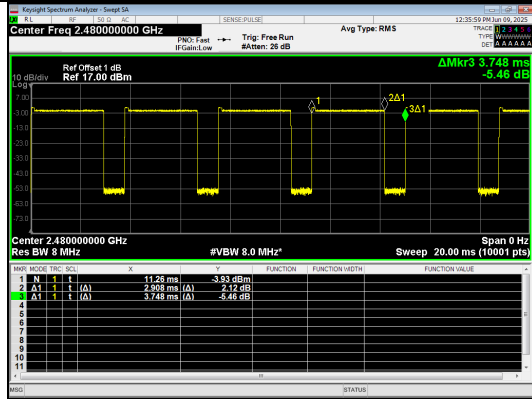




8DPSK(3-DH5)_Channel 0



8DPSK(3-DH5)_Channel 39



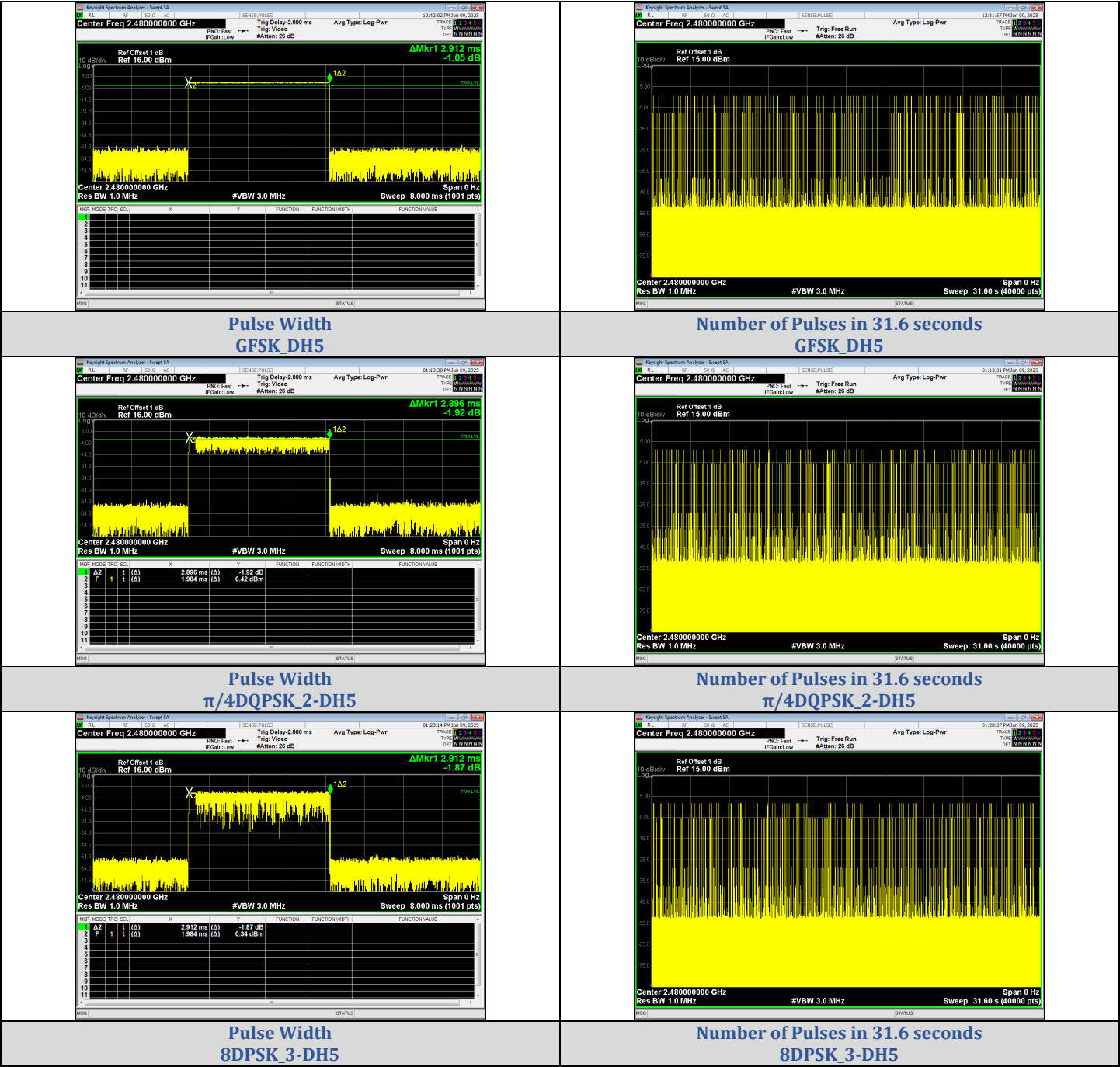
8DPSK(3-DH5)_Channel 78

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)	2.912	114	331.97	< 400	PASS
$\pi/4$ DQPSK	2-DH5		2.896	99	286.7		PASS
8DPSK	3-DH5		2.912	97	282.46		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

