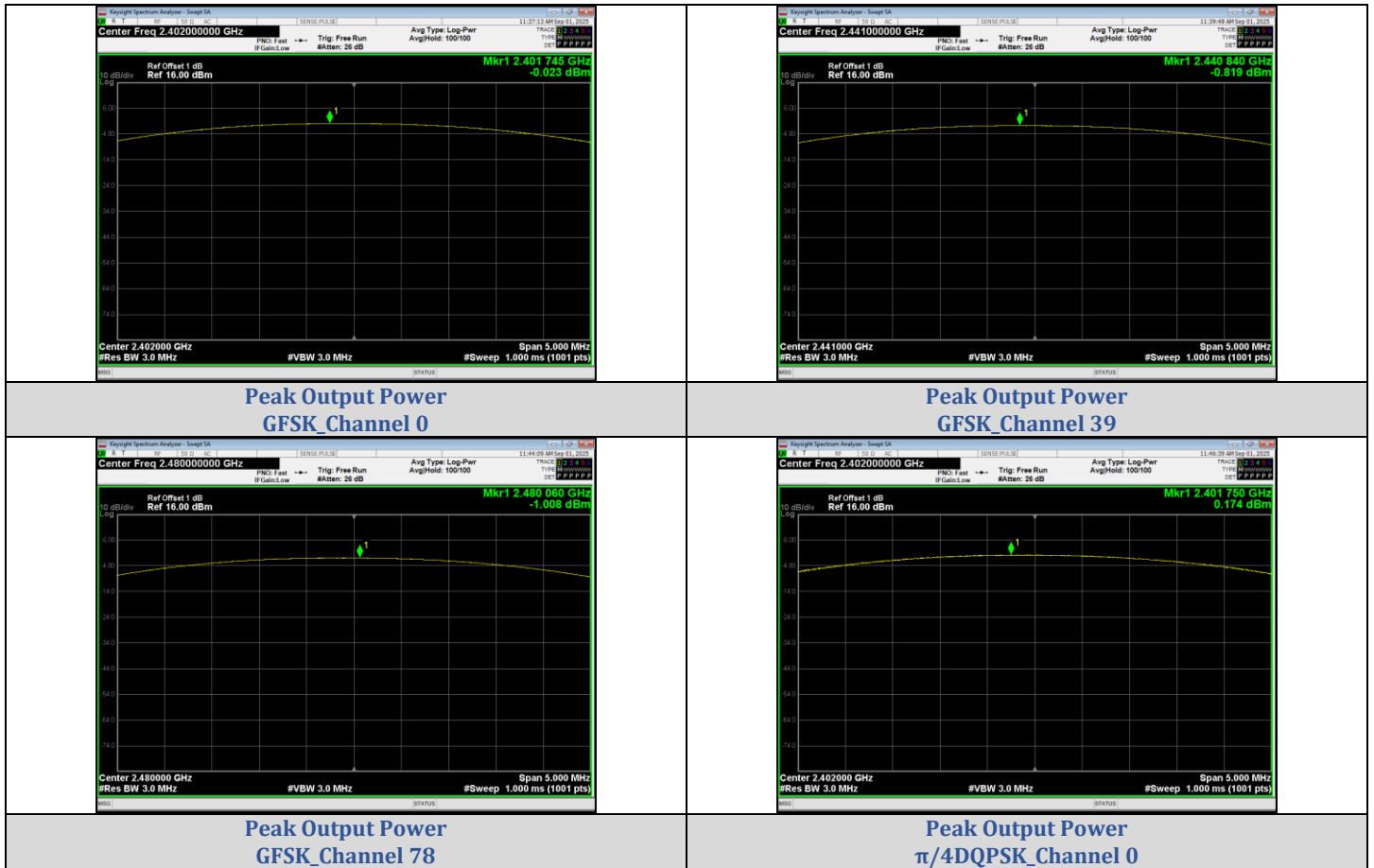


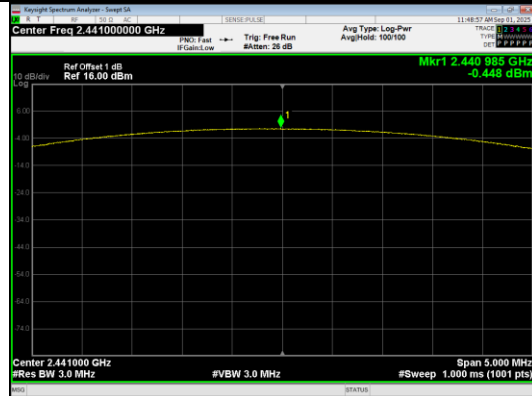
Conducted Output Power

Test Result

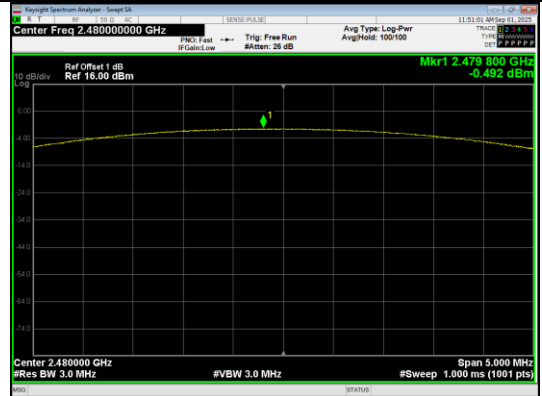
Modulation	Packet Type	Channel	Peak Output Power (dBm)	Peak Output Power (mW)	Limit (dBm)	Result
GFSK	DH5	0	-0.02	1.00	≤30	PASS
		39	-0.82	0.83		PASS
		78	-1.01	0.79		PASS
$\pi/4$ DQPSK	2-DH5	0	0.17	1.04	≤20.97	PASS
		39	-0.45	0.90		PASS
		78	-0.49	0.89		PASS
8DPSK	3-DH5	0	0.46	1.11		PASS
		39	-0.12	0.97		PASS
		78	-0.23	0.95		PASS

Test Graphs

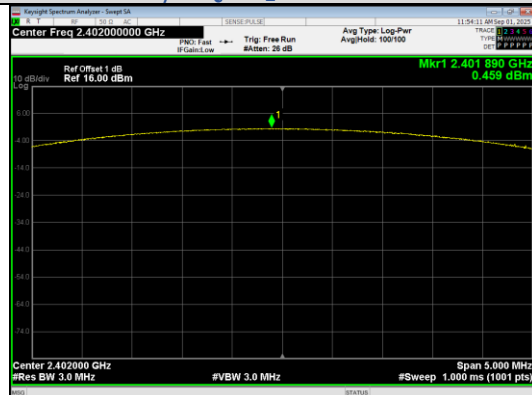




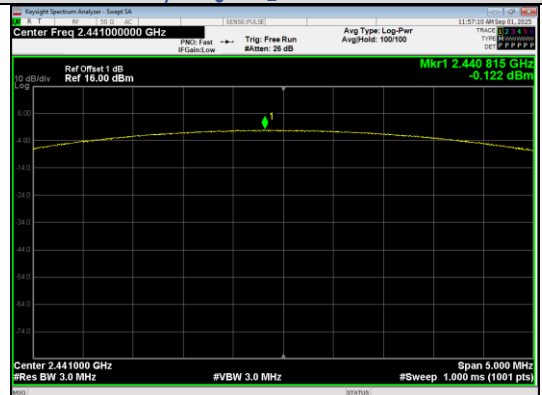
Peak Output Power
 $\pi/4$ DQPSK_Channel 39



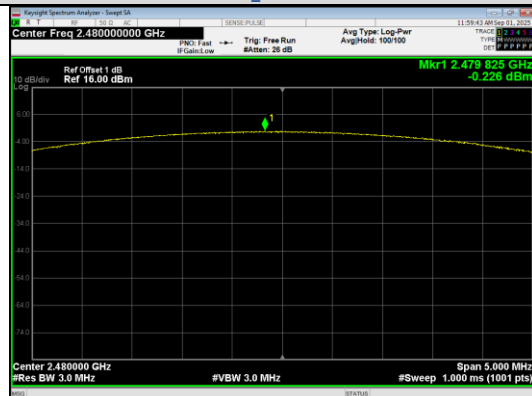
Peak Output Power
 $\pi/4$ DQPSK_Channel 78



Peak Output Power
8DPSK_Channel 0



Peak Output Power
8DPSK_Channel 39



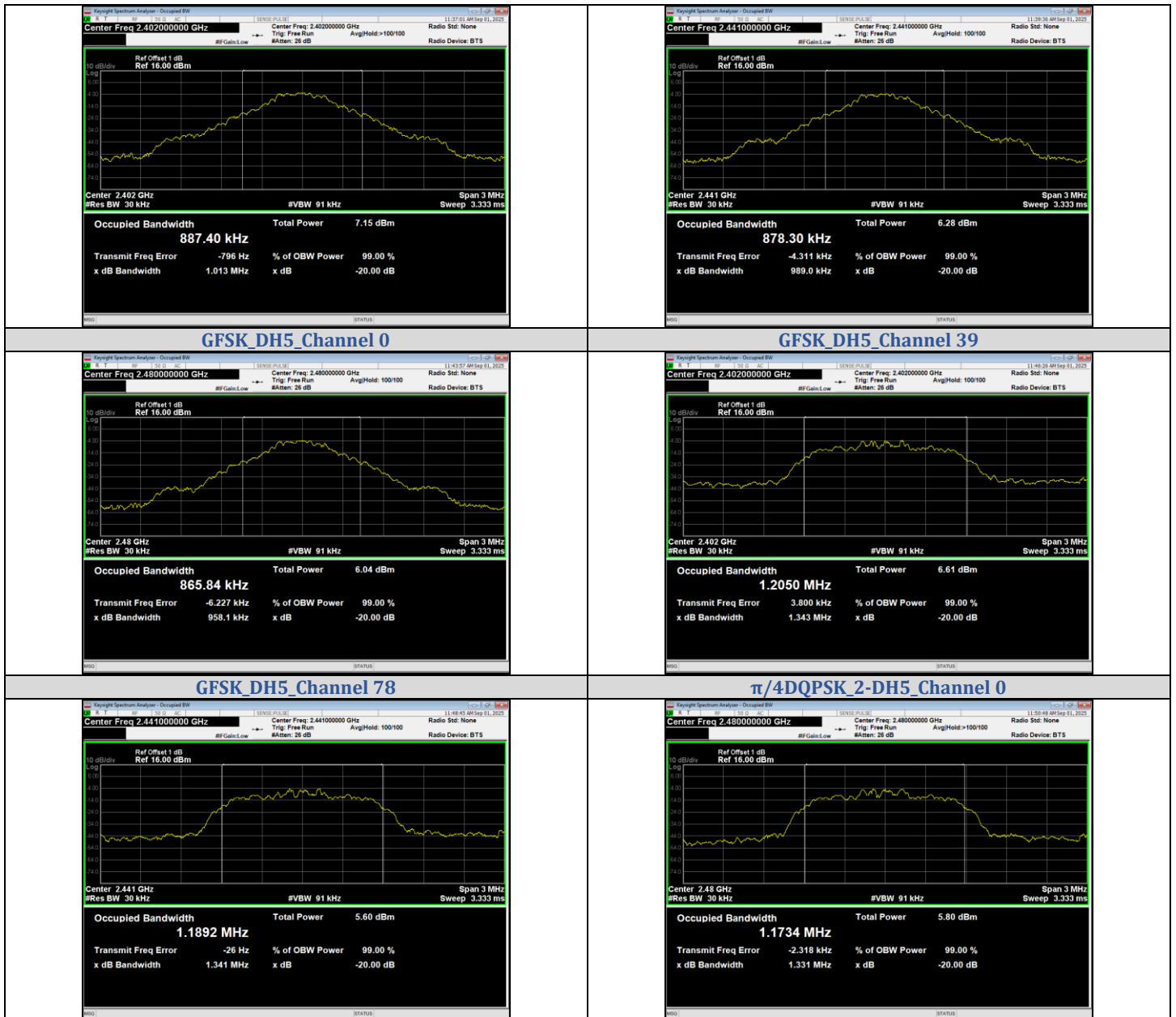
Peak Output Power
8DPSK_Channel 78

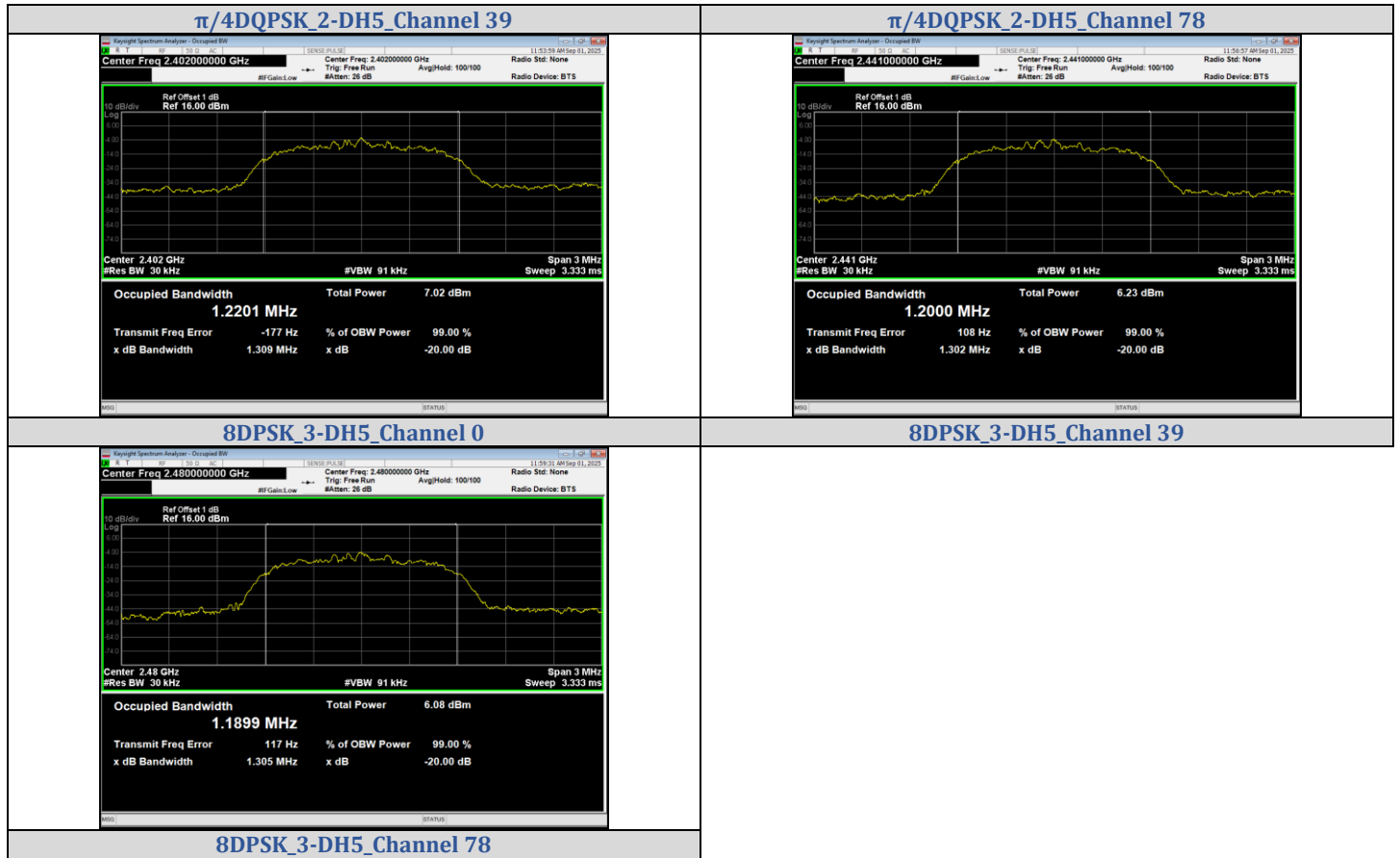
20dB Bandwidth

Test Result

Modulation	Channel	Center Frequency (MHz)	20 dB Bandwidth (MHz)
GFSK	0	2402 MHz	1.010
	39	2441 MHz	0.9900
	78	2480 MHz	0.9600
$\pi/4$ DQPSK	0	2402 MHz	1.340
	39	2441 MHz	1.340
	78	2480 MHz	1.330
8DPSK	0	2402 MHz	1.310
	39	2441 MHz	1.300
	78	2480 MHz	1.310

Test Graphs



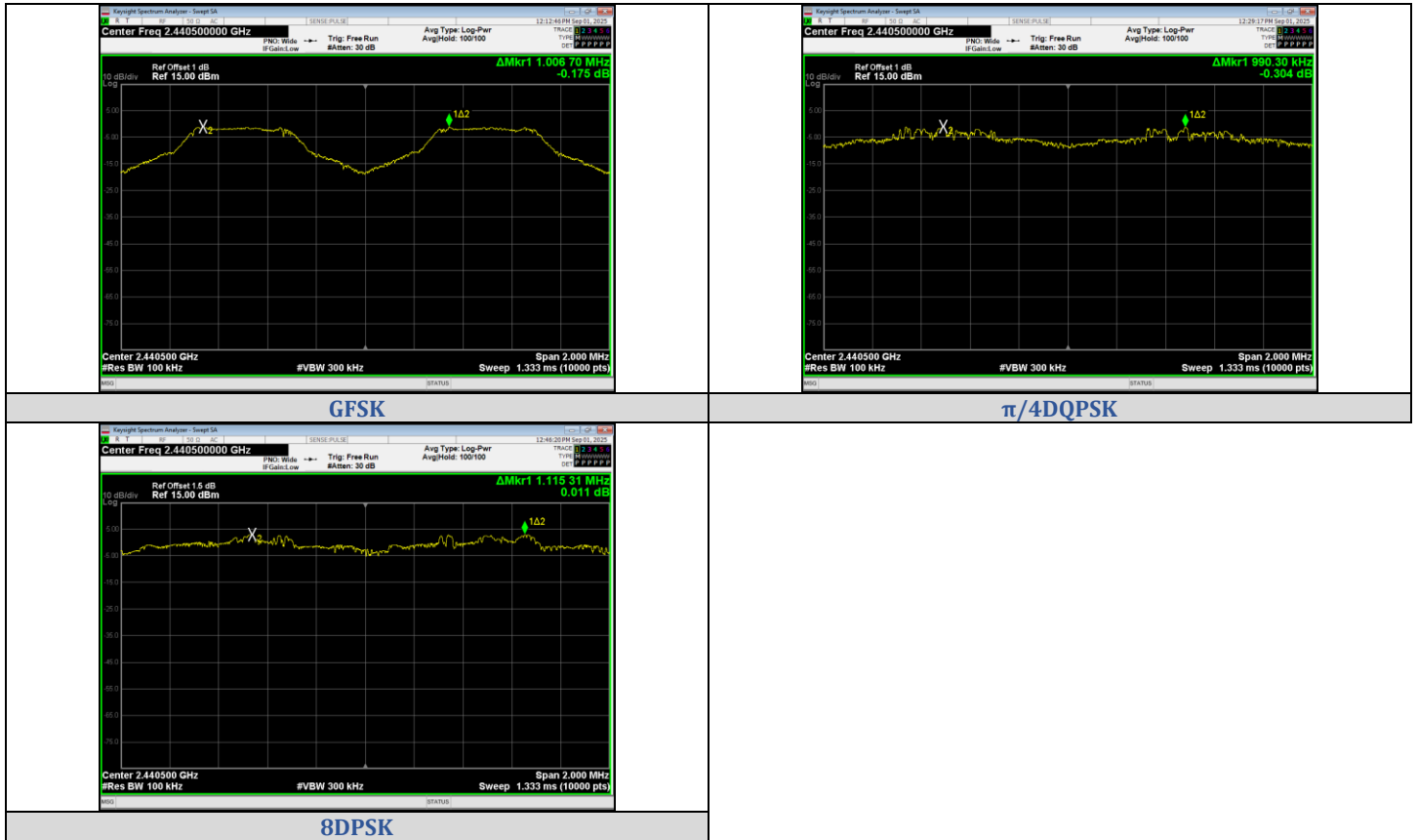


Carrier Frequencies Separation

Test Result

Modulation	Packet	Left Center frequency (MHz)	Right Center frequency (MHz)	Hopping Frequency Separation (MHz)	Limit (MHz)	Result
GFSK	DH5	2439.8358	2440.8425	1.0067	0.67	PASS
$\pi/4$ DQPSK	2-DH5	2439.99	2440.9803	0.9903	0.89	PASS
8DPSK	3-DH5	2440.0371	2441.1524	1.1153	0.87	PASS

Test Graphs



Conducted Out Of Band Emission

Test Result

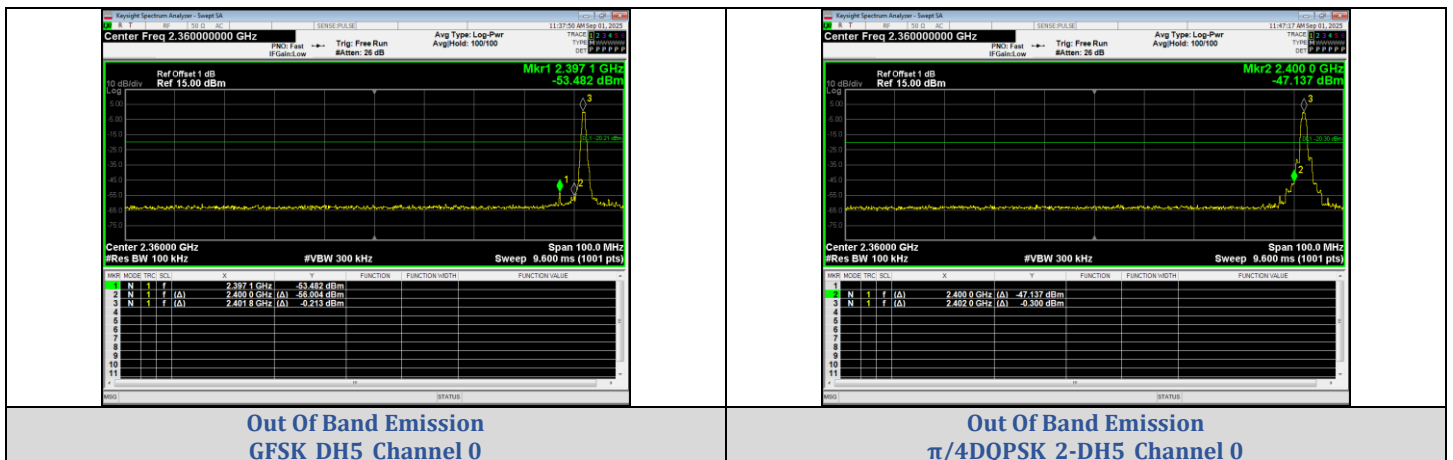
Non-Hopping

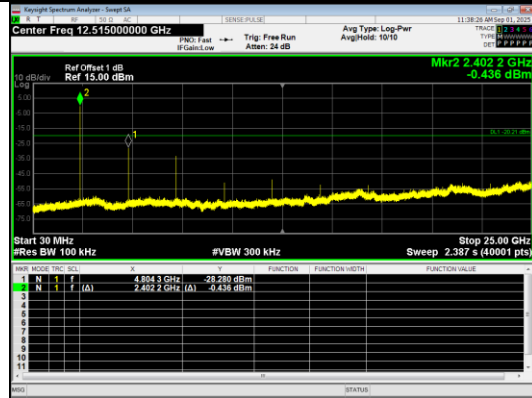
Modulation	Packet	Channel	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result
GFSK	DH5	0	2397.10	-53.482	-20.21	-33.272	PASS
			2400.00	-56.000	-20.21	-35.790	PASS
			4804.30	-28.280	-20.21	-8.070	PASS
		39	4881.67	-26.941	-21.01	-5.931	PASS
		78	2483.50	-60.470	-21.15	-39.320	PASS
			4960.33	-25.918	-21.15	-4.768	PASS
$\pi/4$ DQPSK	2-DH5	0	2400.00	-47.140	-20.3	-26.840	PASS
			4803.64	-31.791	-20.3	-11.491	PASS
		39	4881.67	-29.391	-20.96	-8.431	PASS
		78	2483.50	-60.450	-21.07	-39.380	PASS
			4959.70	-28.994	-21.07	-7.924	PASS
		78	4959.70	-28.994	-21.07	-7.924	PASS
8DPSK	3-DH5	0	2400.00	-43.080	-20.13	-22.950	PASS
			4803.64	-28.418	-20.13	-8.288	PASS
		39	4882.30	-29.588	-21.03	-8.558	PASS
		78	2483.50	-49.630	-21.04	-28.590	PASS
			4959.70	-29.420	-21.04	-8.380	PASS
		78	4959.70	-29.420	-21.04	-8.380	PASS

Hopping

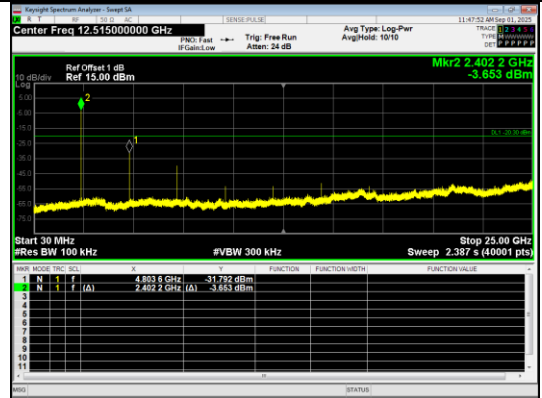
Modulation	Packet	Channel	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result
GFSK	DH5	Hopping	2400.00	-57.430	-20.18	-37.250	PASS
			2483.50	-60.680	-21.0	-39.680	PASS
$\pi/4$ DQPSK	2-DH5		2400.00	-47.720	-20.3	-27.420	PASS
			2483.50	-61.220	-20.99	-40.230	PASS
8DPSK	3-DH5		2400.00	-45.000	-20.24	-24.760	PASS
			2483.50	-53.030	-21.1	-31.930	PASS

Test Graphs

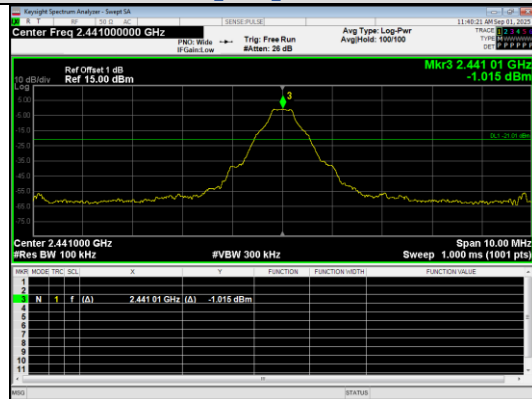




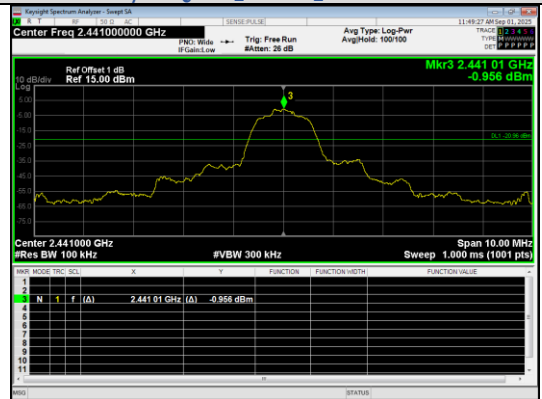
30.0 MHz - 25000.0 MHz
GFSK_DH5_Channel 0



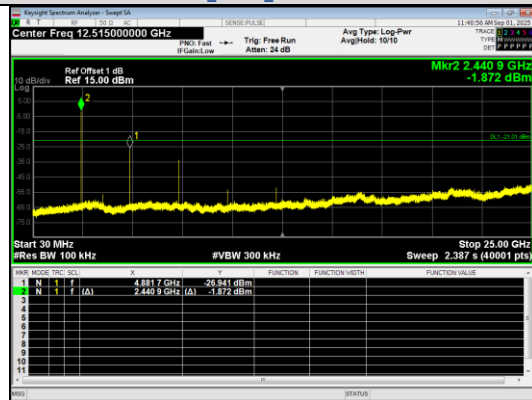
30.0 MHz - 25000.0 MHz
 $\pi/4$ DQPSK_2-DH5_Channel 0



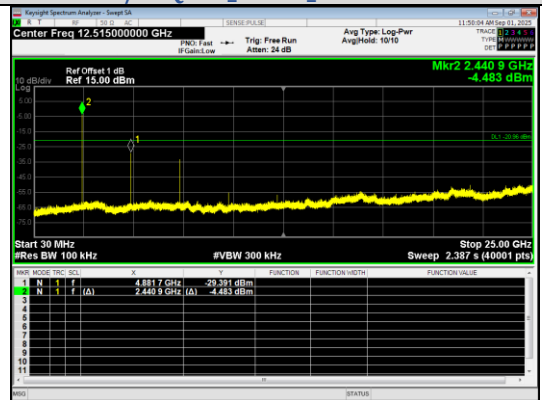
Out Of Band Emission
GFSK_DH5_Channel 39



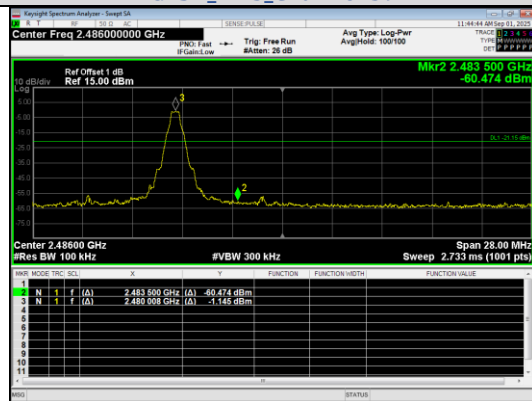
Out Of Band Emission
 $\pi/4$ DQPSK_2-DH5_Channel 39



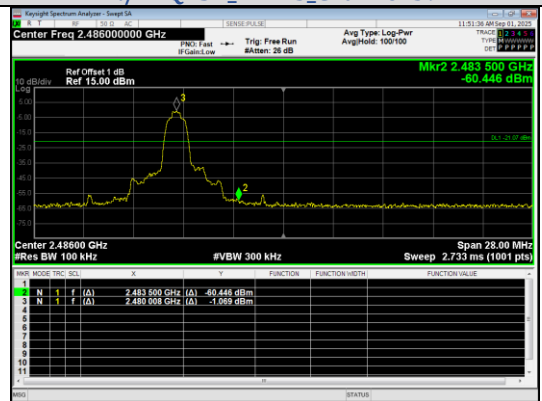
30.0 MHz - 25000.0 MHz
GFSK_DH5_Channel 39



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

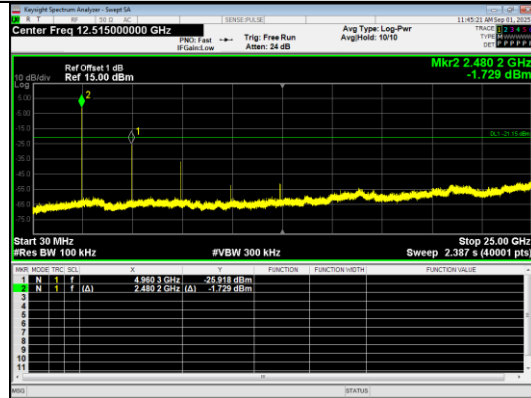


Out Of Band Emission



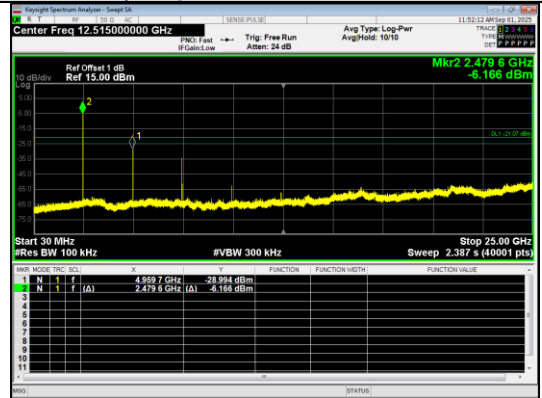
Out Of Band Emission

GFSK_DH5_Channel 78

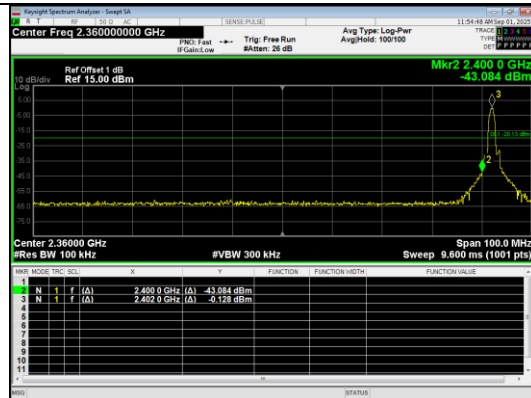


30.0 MHz - 25000.0 MHz
GFSK_DH5_Channel 78

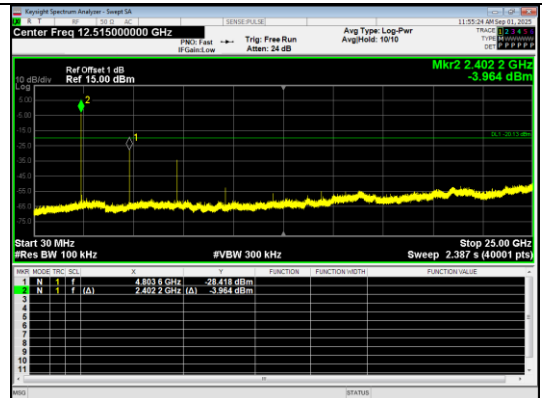
$\pi/4$ DQPSK_2-DH5_Channel 78



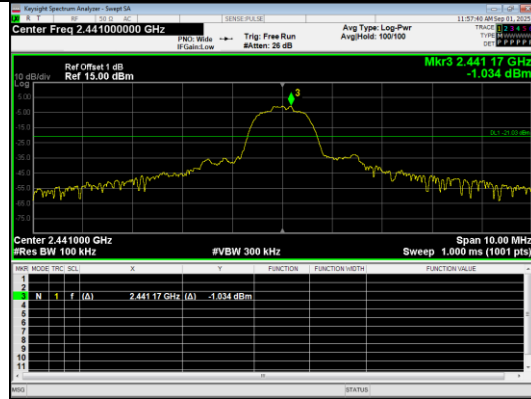
30.0 MHz - 25000.0 MHz
 $\pi/4$ DQPSK_2-DH5_Channel 78



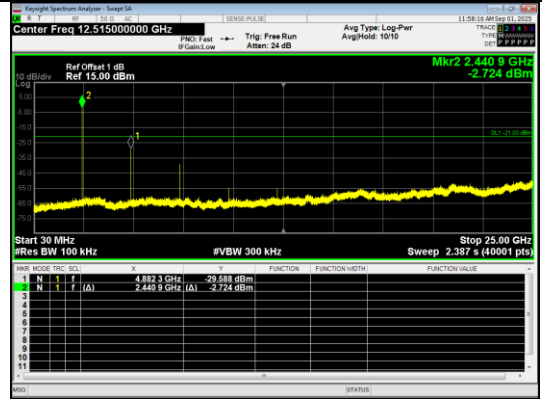
Out Of Band Emission
8DPSK_3-DH5_Channel 0



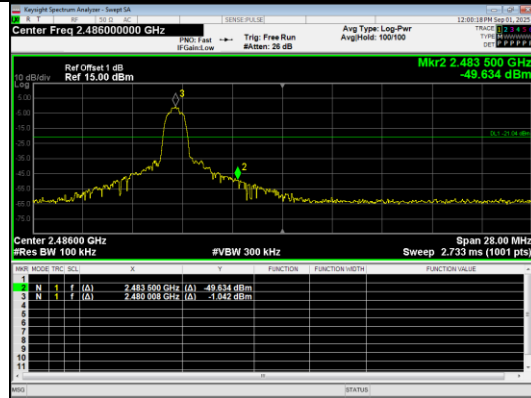
30.0 MHz - 25000.0 MHz
8DPSK_3-DH5_Channel 0



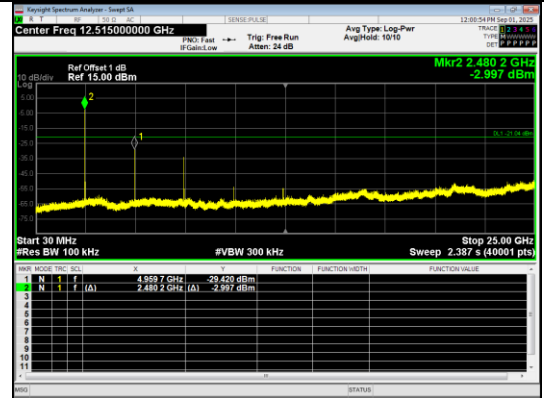
Out Of Band Emission
8DPSK_3-DH5_Channel 39



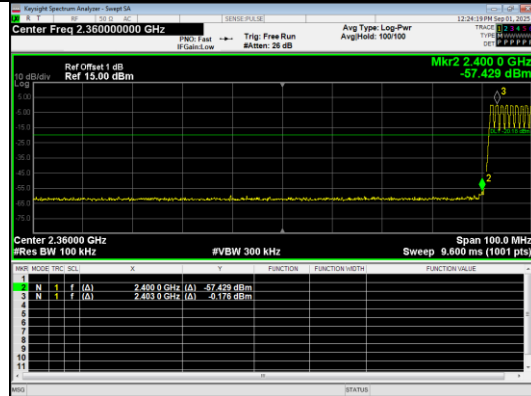
30.0 MHz - 25000.0 MHz
8DPSK_3-DH5_Channel 39



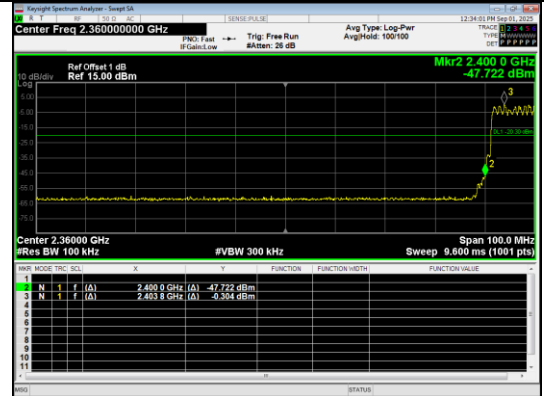
Out Of Band Emission
8DPSK_3-DH5_Channel 78



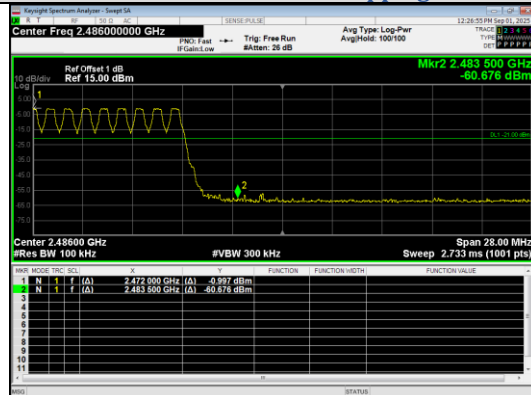
30.0 MHz - 25000.0 MHz
8DPSK_3-DH5_Channel 78



Out Of Band Emission(Left)
GFSK_DH5_Channel Hopping



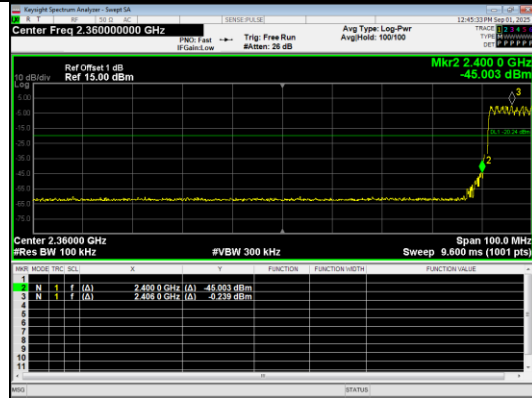
Out Of Band Emission(Left)
 $\pi/4$ DQPSK_2-DH5_Channel Hopping



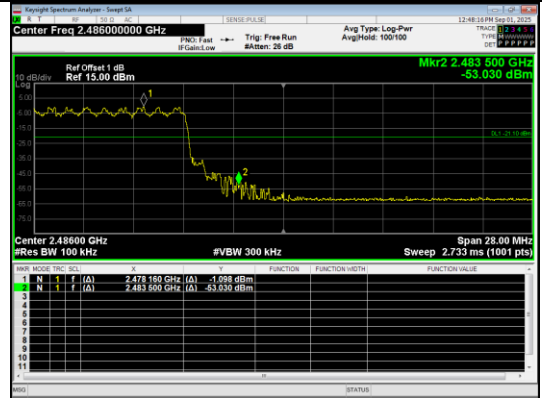
Out Of Band Emission(Right)
GFSK_DH5_Channel Hopping



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	2.902	3.748	77.43	0.7743	1.1109	0.3446
		39	2.902	3.748	77.43	0.7743	1.1109	0.3446
		78	2.902	3.748	77.43	0.7743	1.1109	0.3446
$\pi/4$ DQPSK	2-DH5	0	2.908	3.748	77.59	0.7759	1.1019	0.3439
		39	2.908	3.748	77.59	0.7759	1.1019	0.3439
		78	2.908	3.748	77.59	0.7759	1.1019	0.3439
8DPSK	3-DH5	0	2.912	3.748	77.69	0.7769	1.0963	0.3434
		39	2.912	3.748	77.69	0.7769	1.0963	0.3434
		78	2.910	3.748	77.64	0.7764	1.0991	0.3436

Test Graphs



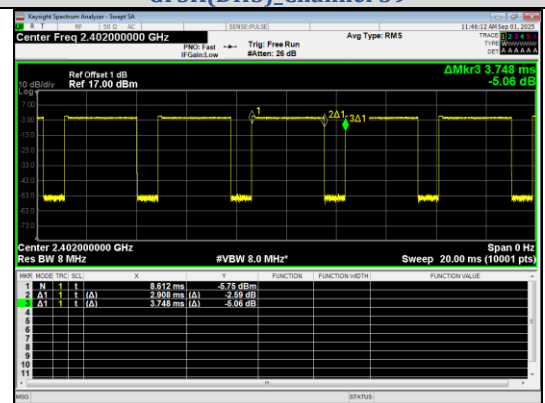
GFSK(DH5)_Channel 0



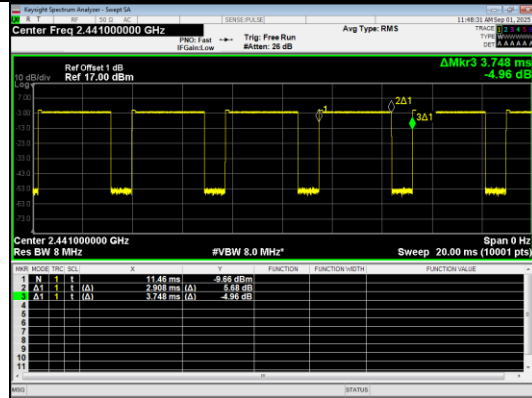
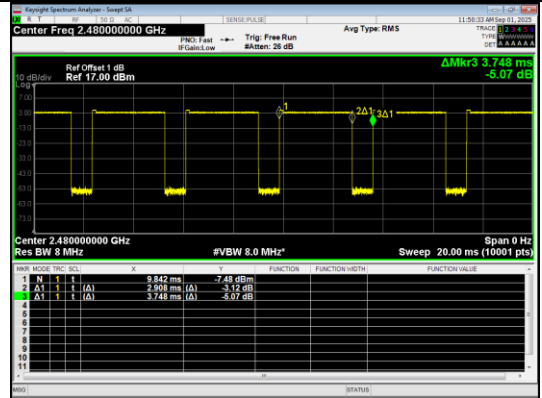
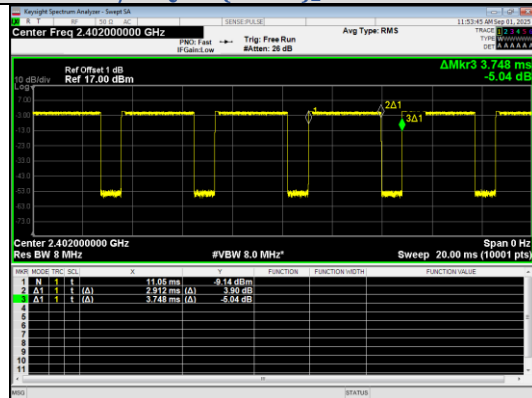
GFSK(DH5)_Channel 39



GFSK(DH5)_Channel 78



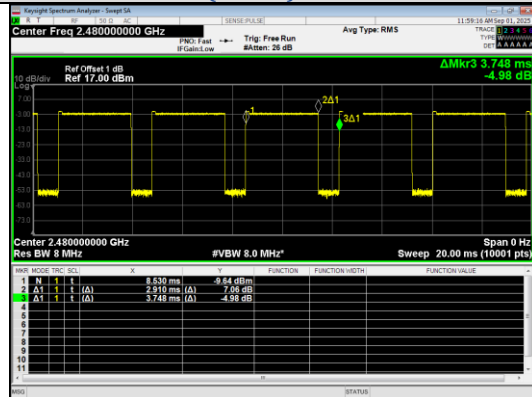
$\pi/4$ DQPSK(2-DH5)_Channel 0


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

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


8DPSK(3-DH5)_Channel 0



8DPSK(3-DH5)_Channel 78



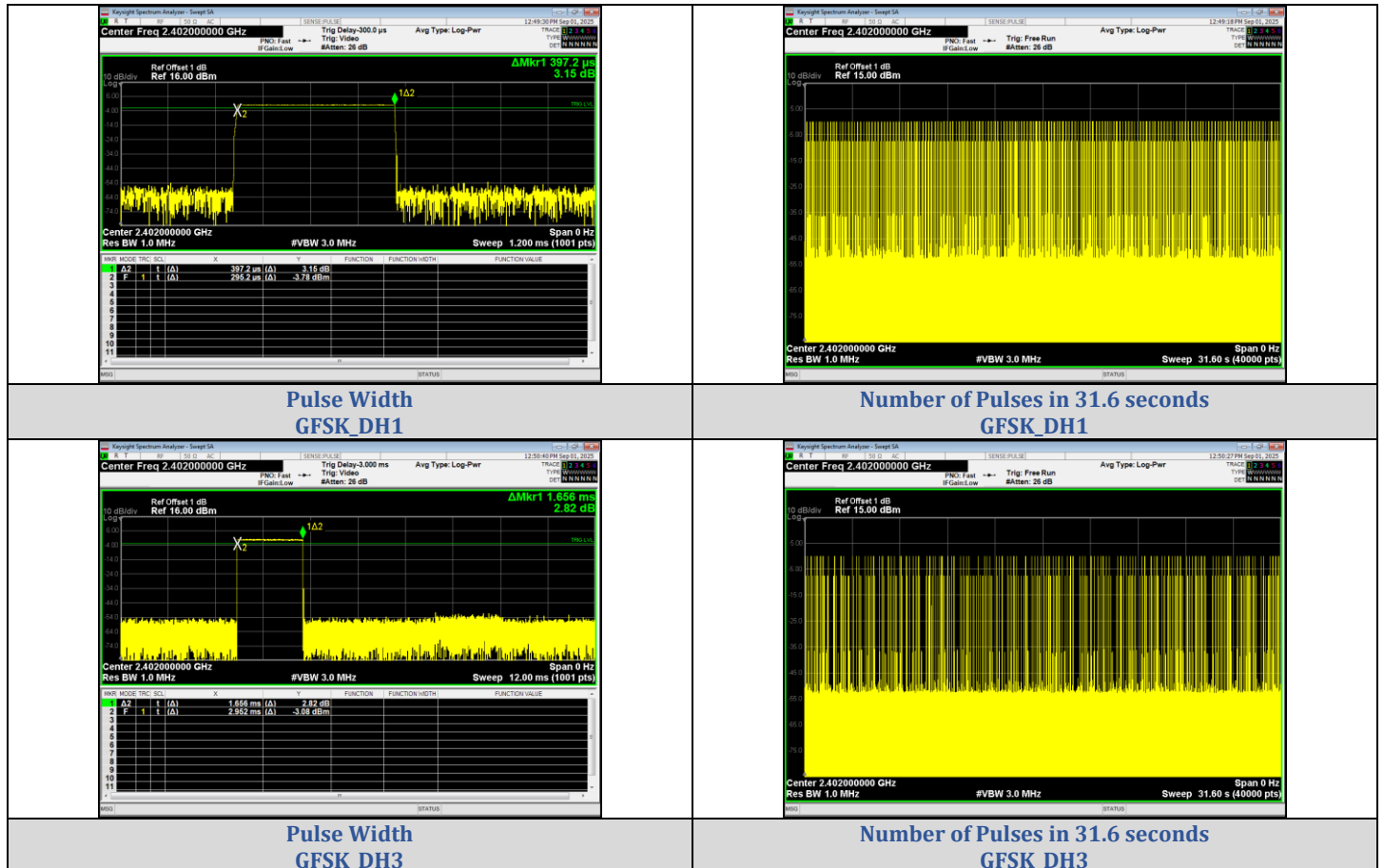
8DPSK(3-DH5)_Channel 78

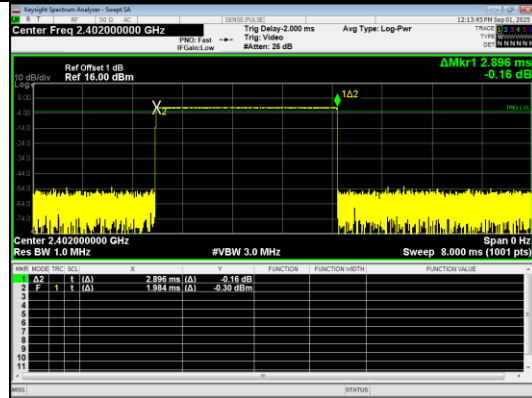
Dwell Time

Test Result

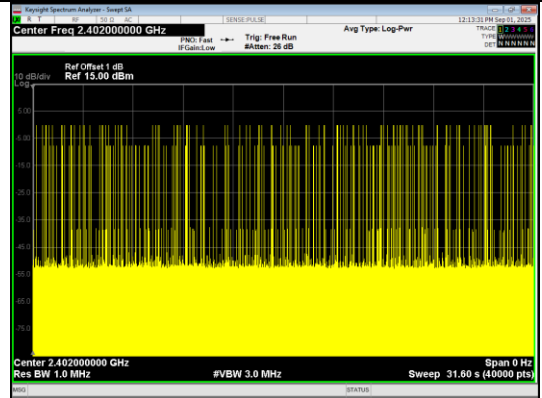
Modulation	Packet	Channel	Pulse Width (ms)	Number of Pulses in 31.6 seconds	Dwell Time (ms)	Limit (ms)	Result
GFSK	DH1	Hopping	0.3972	316	125.52	< 400	PASS
	DH3		1.656	162	268.27		PASS
	DH5		2.896	102	295.39		PASS
$\pi/4$ DQPSK	2-DH1		0.4068	316	128.55		PASS
	2-DH3		1.680	156	262.08		PASS
	2-DH5		2.896	113	327.25		PASS
8DPSK	3-DH1		0.4092	317	129.72		PASS
	3-DH3		1.656	162	268.27		PASS
	3-DH5		2.904	115	333.96		PASS

Test Graphs

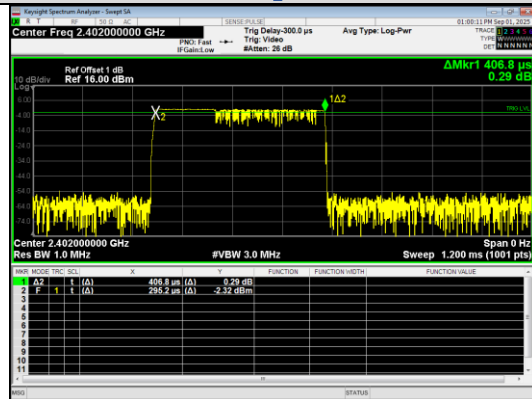




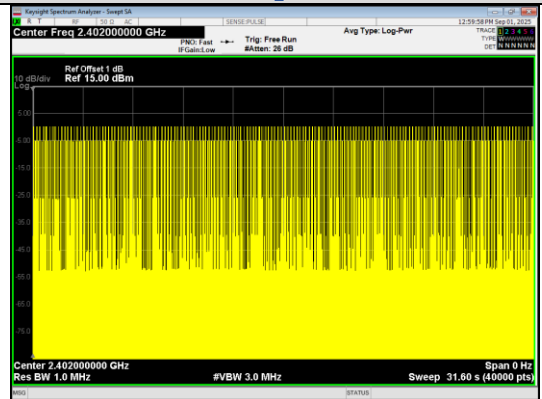
Pulse Width
GFSK_DH5



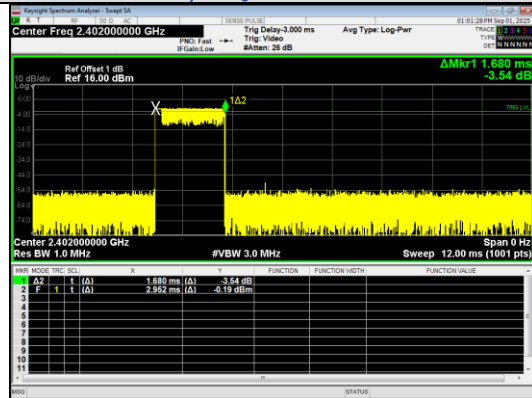
Number of Pulses in 31.6 seconds
GFSK_DH5



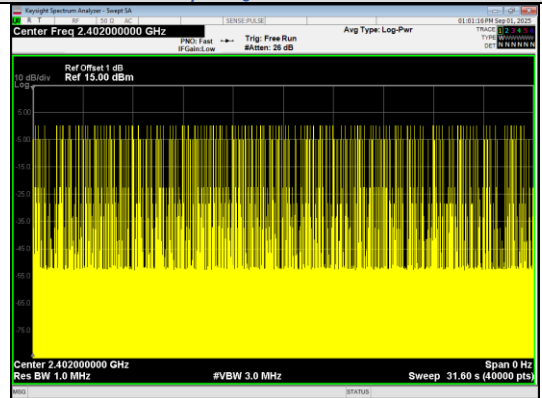
Pulse Width
 $\pi/4$ DQPSK_2-DH1



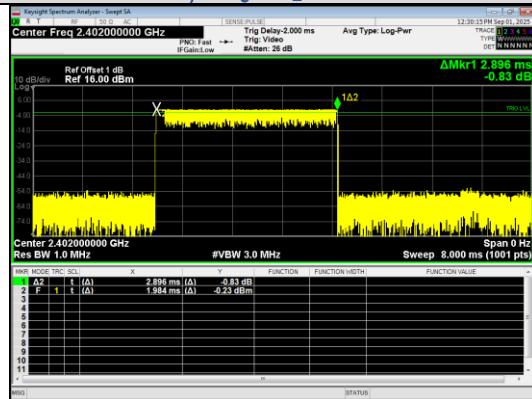
Number of Pulses in 31.6 seconds
 $\pi/4$ DQPSK_2-DH1



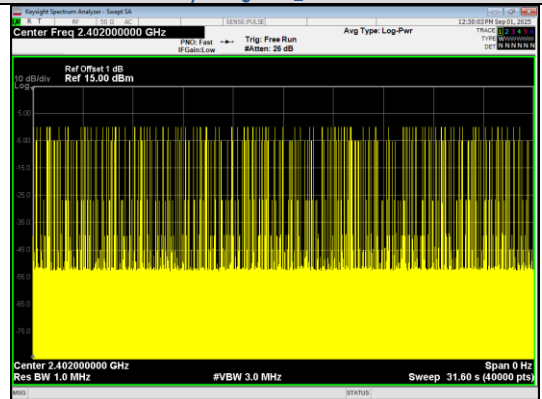
Pulse Width
 $\pi/4$ DQPSK_2-DH3



Number of Pulses in 31.6 seconds
 $\pi/4$ DQPSK_2-DH3

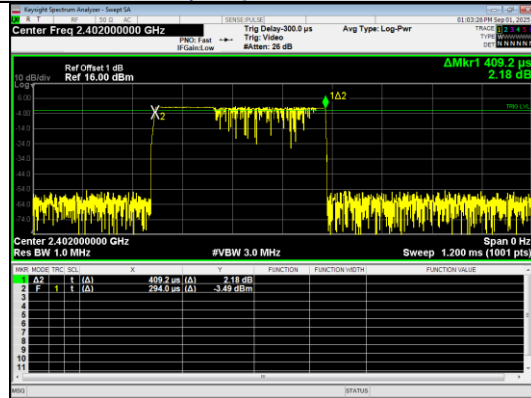


Pulse Width

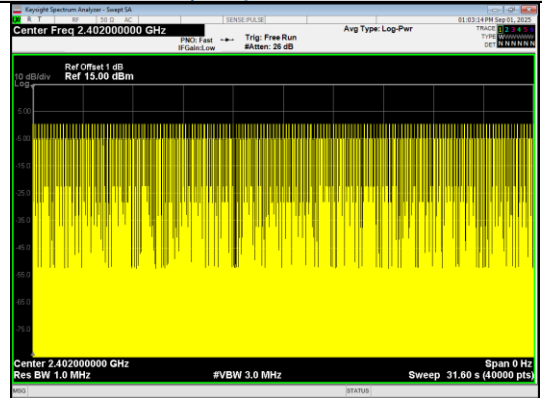


Number of Pulses in 31.6 seconds

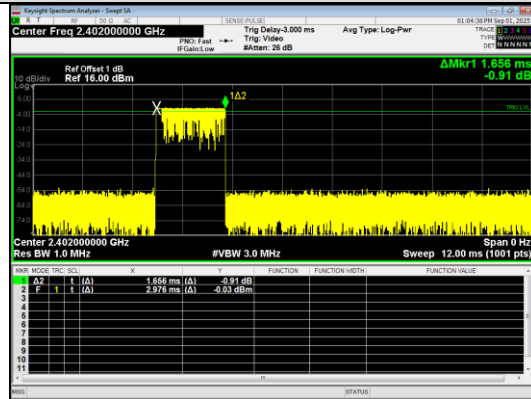
$\pi/4$ DQPSK_2-DH5



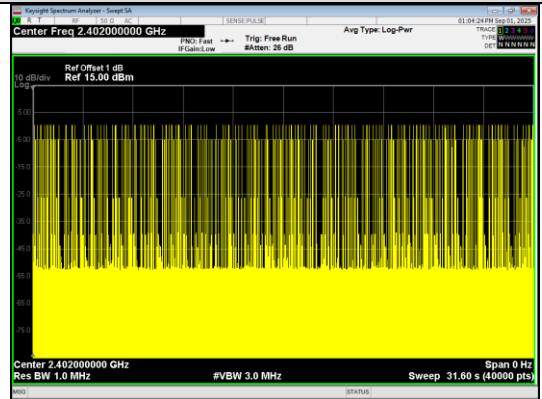
$\pi/4$ DQPSK_2-DH5



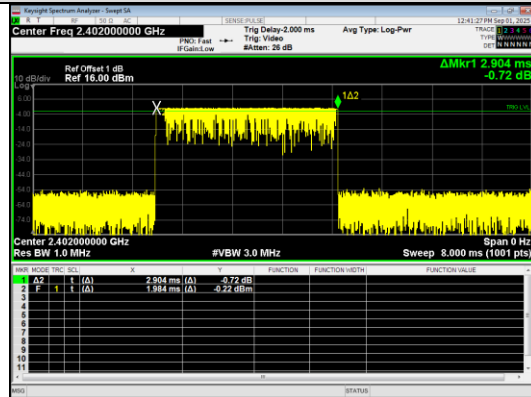
Pulse Width 8DPSK_3-DH1



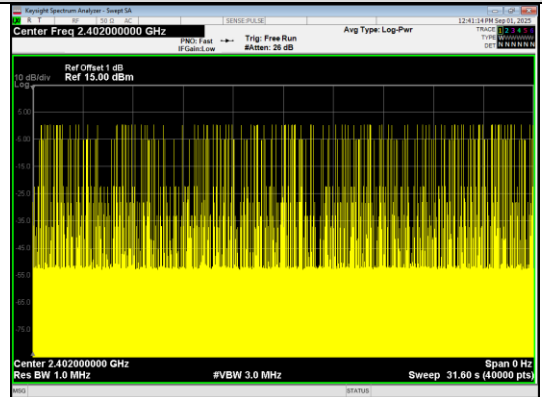
Number of Pulses in 31.6 seconds 8DPSK_3-DH1



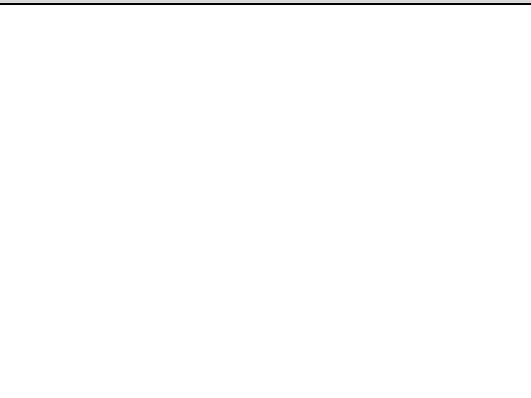
Pulse Width 8DPSK_3-DH3



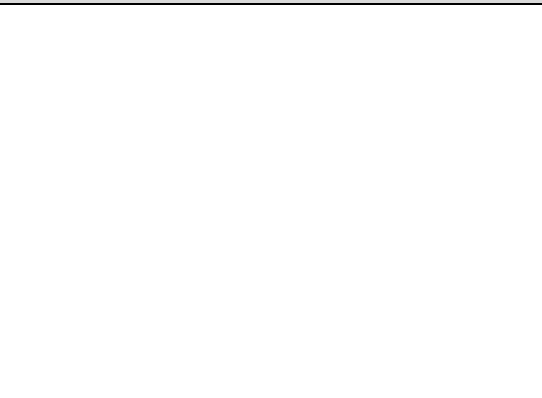
Number of Pulses in 31.6 seconds 8DPSK_3-DH3



Pulse Width 8DPSK_3-DH5



Number of Pulses in 31.6 seconds 8DPSK_3-DH5

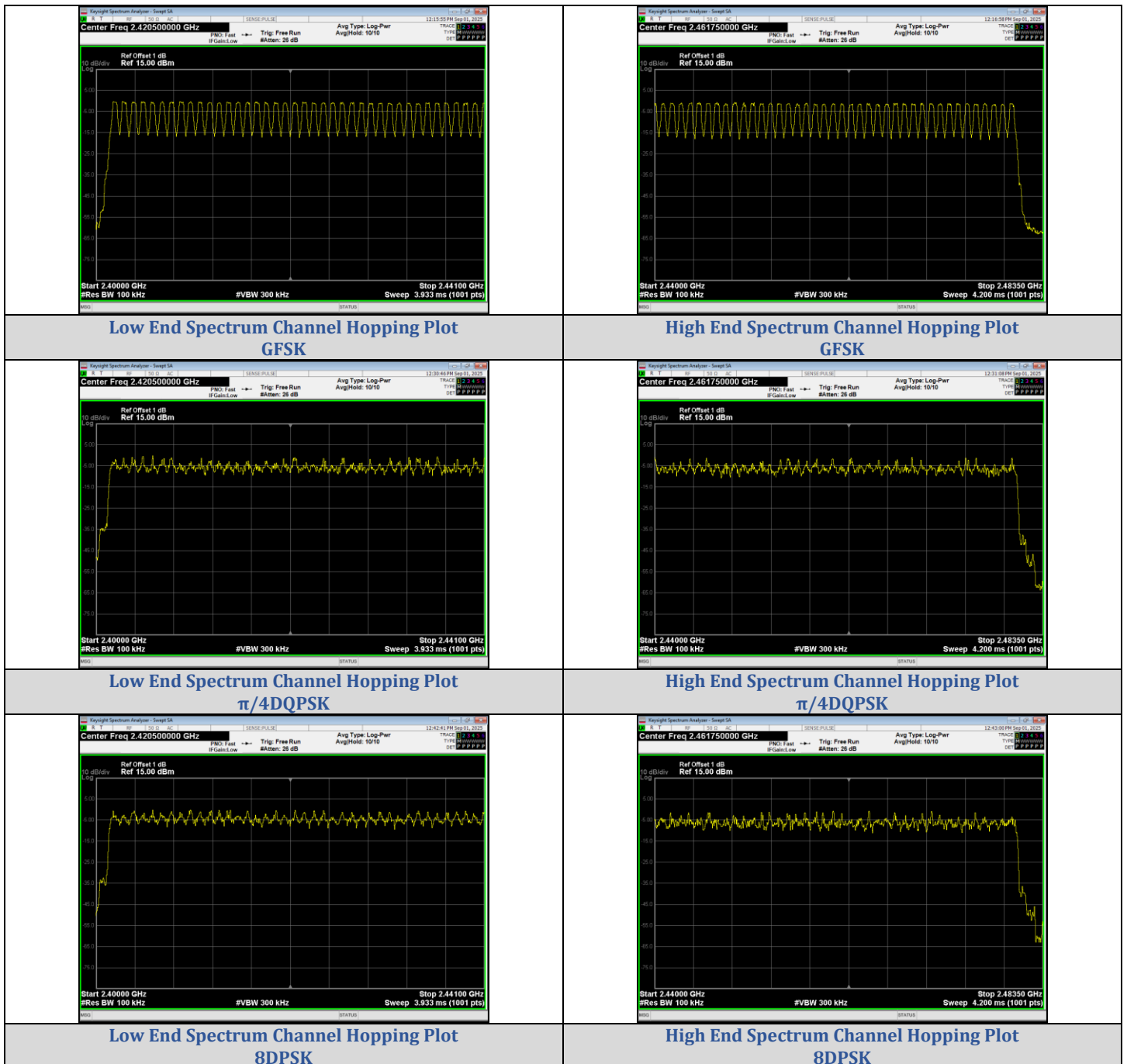


Number Of Hopping Channel

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 *****