

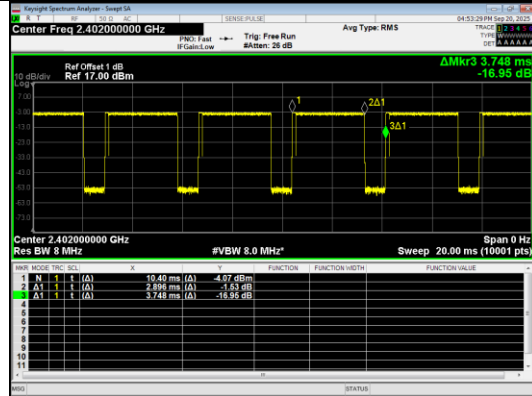
Duty Cycle

Test Result

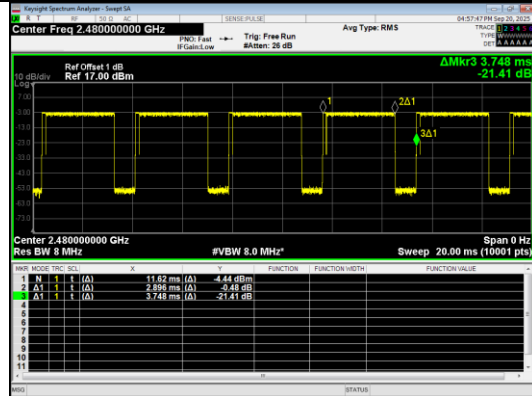
Modulation	Packets	Channel	On Time (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle (linear)	Duty Cycle Factor (dB)	1/T
GFSK	DH5	0	2.908	3.748	77.59	0.7759	1.1019	0.3439
		39	2.908	3.748	77.59	0.7759	1.1019	0.3439
		78	2.908	3.748	77.59	0.7759	1.1019	0.3439
$\pi/4$ DQPSK	2-DH5	0	2.896	3.748	77.27	0.7727	1.1199	0.3453
		39	2.896	3.748	77.27	0.7727	1.1199	0.3453
		78	2.898	3.748	77.32	0.7732	1.1171	0.3451
8DPSK	3-DH5	0	2.896	3.748	77.27	0.7727	1.1199	0.3453
		39	2.898	3.748	77.32	0.7732	1.1171	0.3451
		78	2.896	3.748	77.27	0.7727	1.1199	0.3453

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

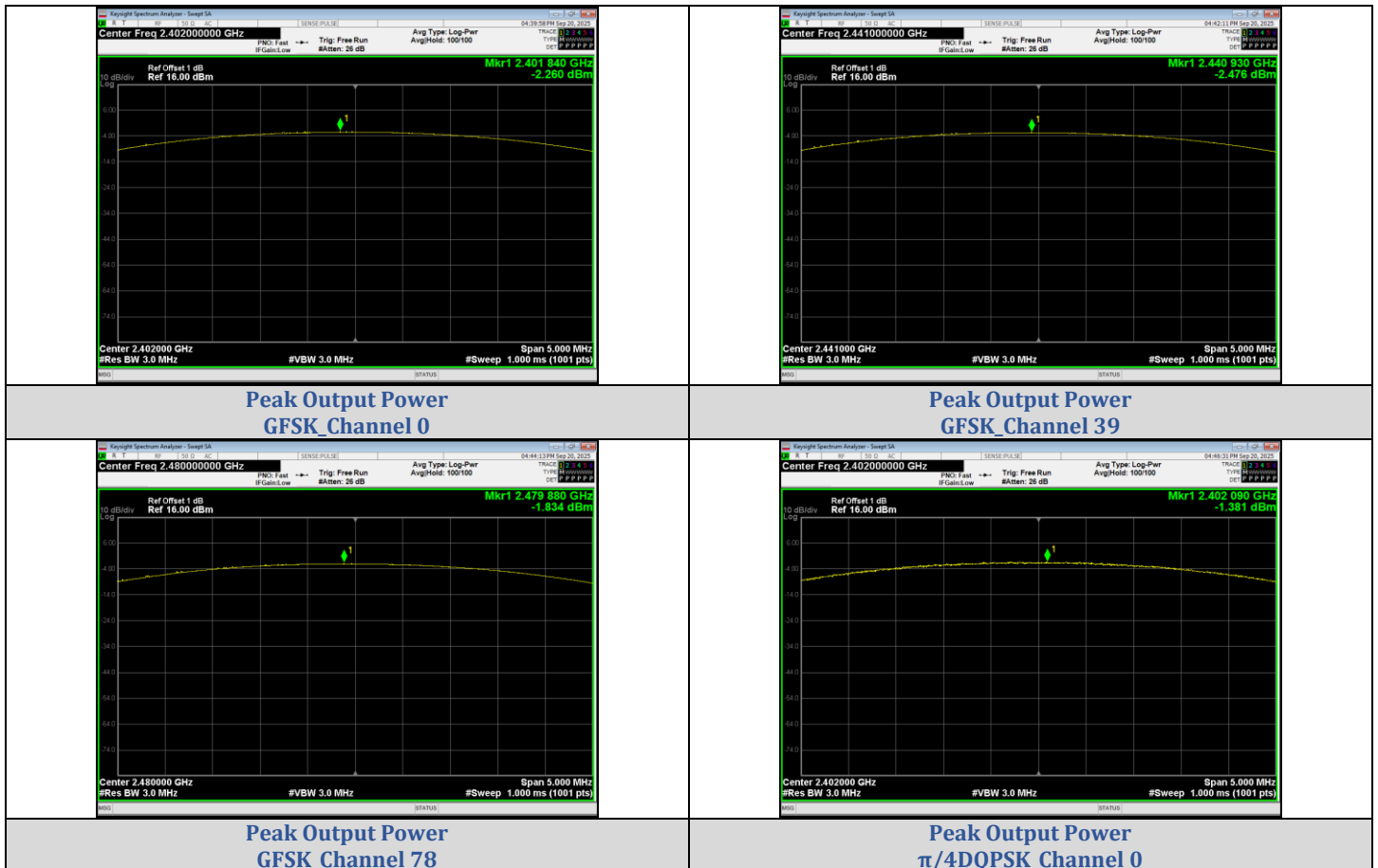
8DPSK(3-DH5)_Channel 78

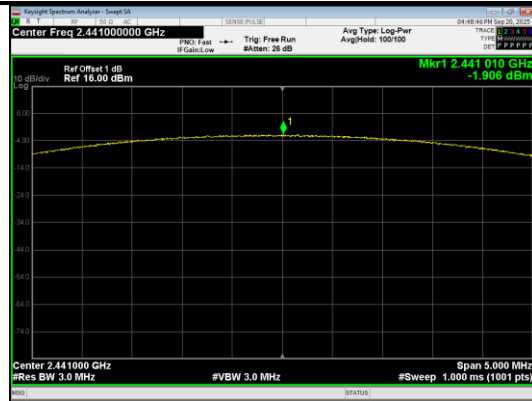
Conducted Output Power

Test Result

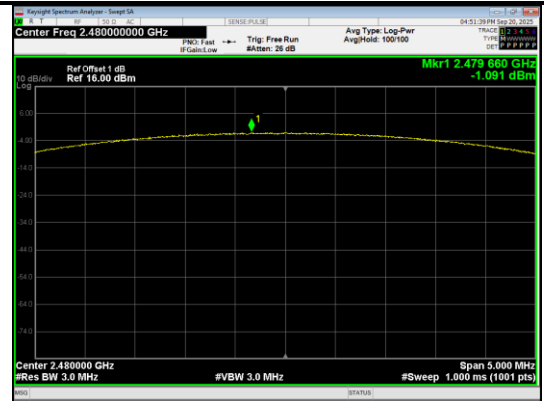
Modulation	Packet Type	Channel	Peak Output Power (dBm)	Limit (dBm)	Result
GFSK	DH5	0	-2.26	≤30	PASS
		39	-2.48		PASS
		78	-1.83		PASS
$\pi/4$ DQPSK	2-DH5	0	-1.38	≤20.97	PASS
		39	-1.91		PASS
		78	-1.09		PASS
8DPSK	3-DH5	0	-1.05		PASS
		39	-1.71		PASS
		78	-0.98		PASS

Test Graphs

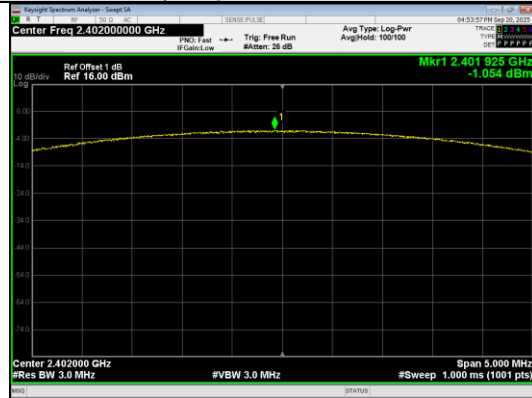




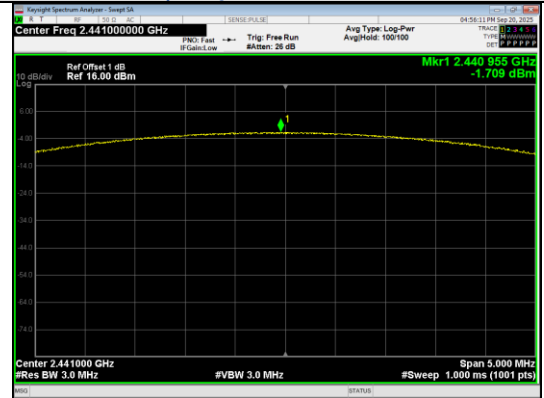
Peak Output Power
 $\pi/4$ DQPSK_Channel 39



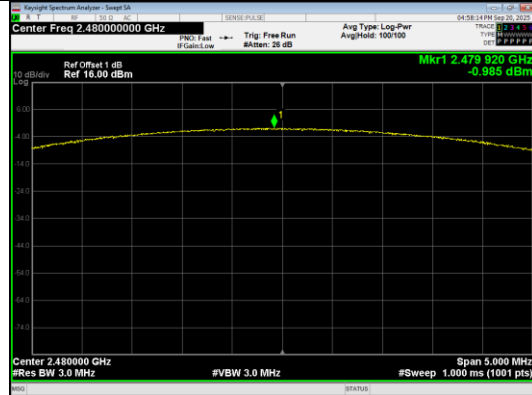
Peak Output Power
 $\pi/4$ DQPSK_Channel 78



Peak Output Power
8DPSK_Channel 0



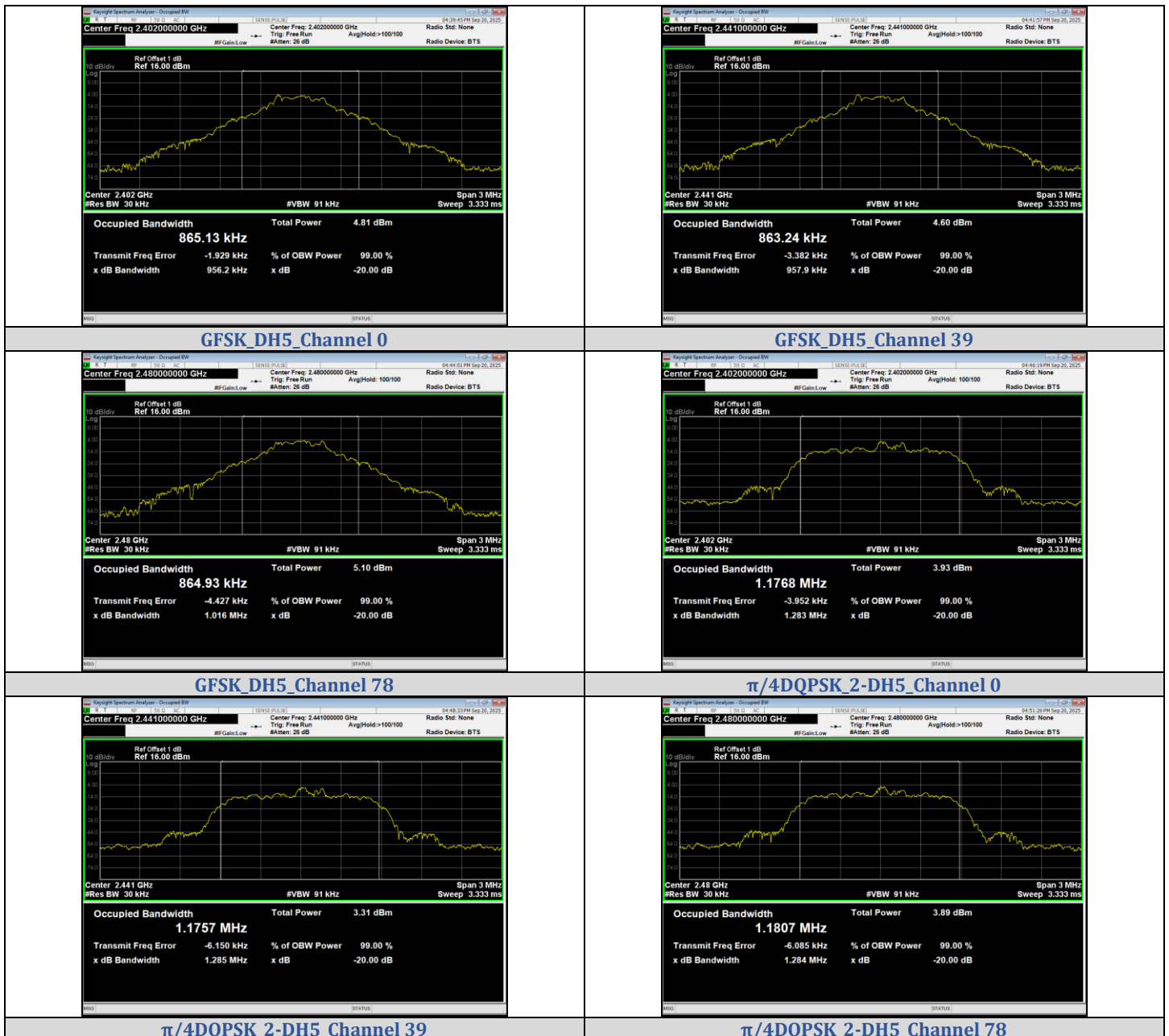
Peak Output Power
8DPSK_Channel 39

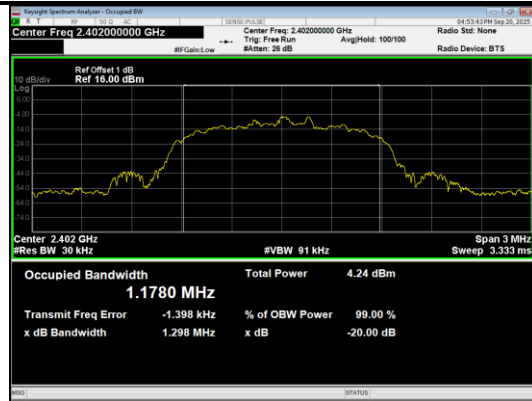


Peak Output Power
8DPSK_Channel 78

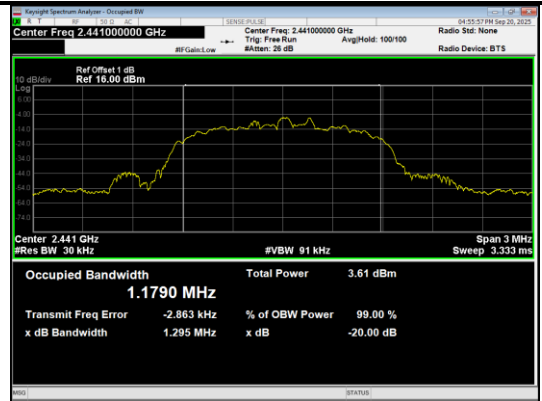
**20dB Bandwidth****Test Result**

Modulation	Channel	Center Frequency (MHz)	20 dB Bandwidth (MHz)
GFSK	0	2402 MHz	0.9600
	39	2441 MHz	0.9600
	78	2480 MHz	1.020
$\pi/4$ DQPSK	0	2402 MHz	1.280
	39	2441 MHz	1.280
	78	2480 MHz	1.280
8DPSK	0	2402 MHz	1.300
	39	2441 MHz	1.300
	78	2480 MHz	1.300

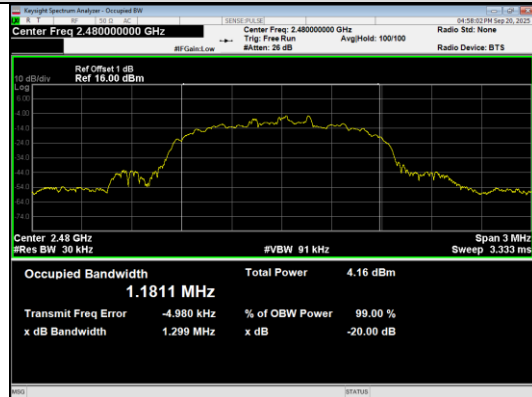
Test Graphs



8DPSK_3-DH5_Channel 0



8DPSK_3-DH5_Channel 39



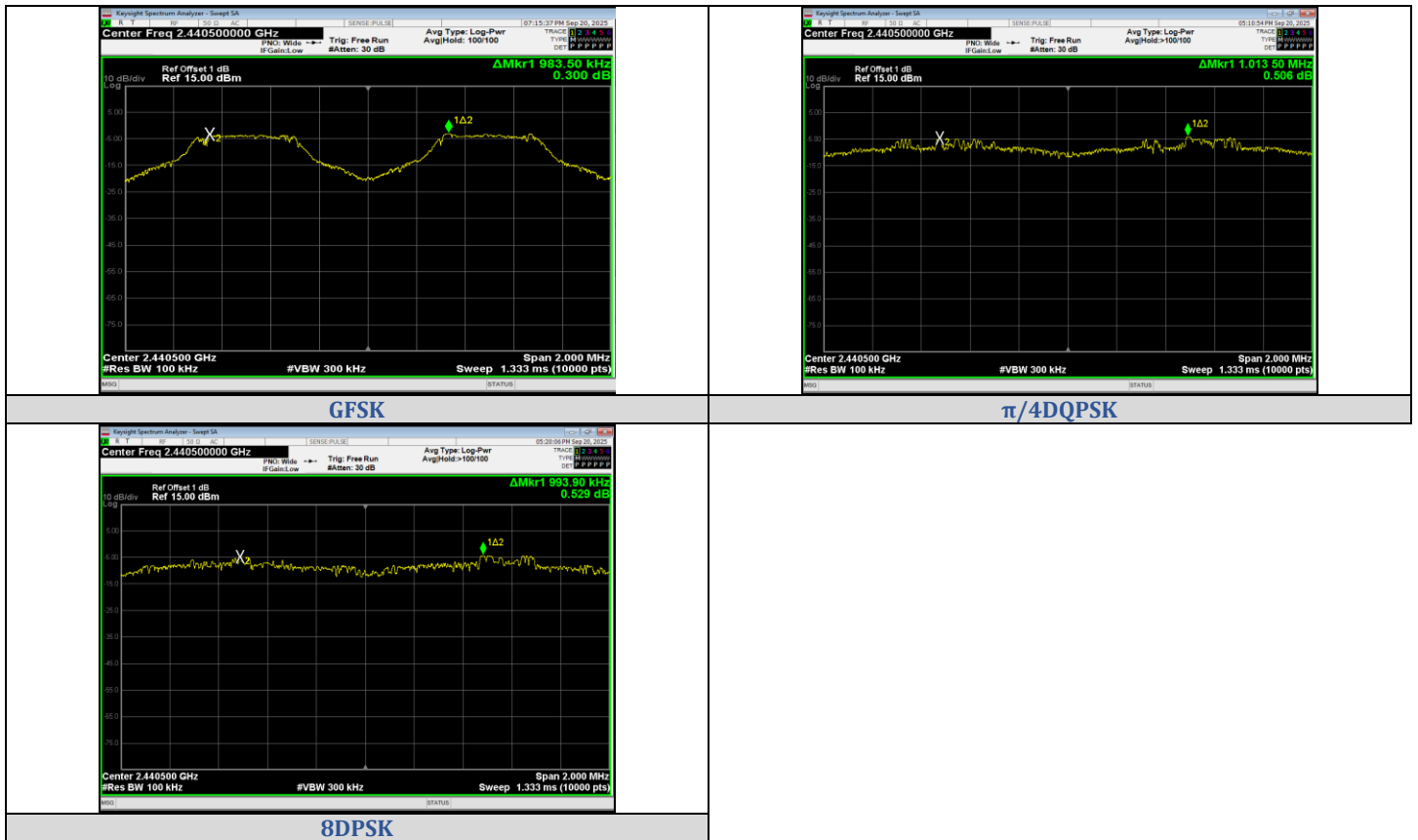
8DPSK_3-DH5_Channel 78

Carrier Frequencies Separation

Test Result

Modulation	Packet	Left Center frequency (MHz)	Right Center frequency (MHz)	Hopping Frequency Separation (MHz)	Limit (MHz)	Result
GFSK	DH5	2440.1709	2440.8301	0.9835	0.680	PASS
$\pi/4$ DQPSK	2-DH5	2439.976	2440.9895	1.0135	0.853	PASS
8DPSK	3-DH5	2439.9878	2440.9817	0.9939	0.867	PASS

Test Graphs



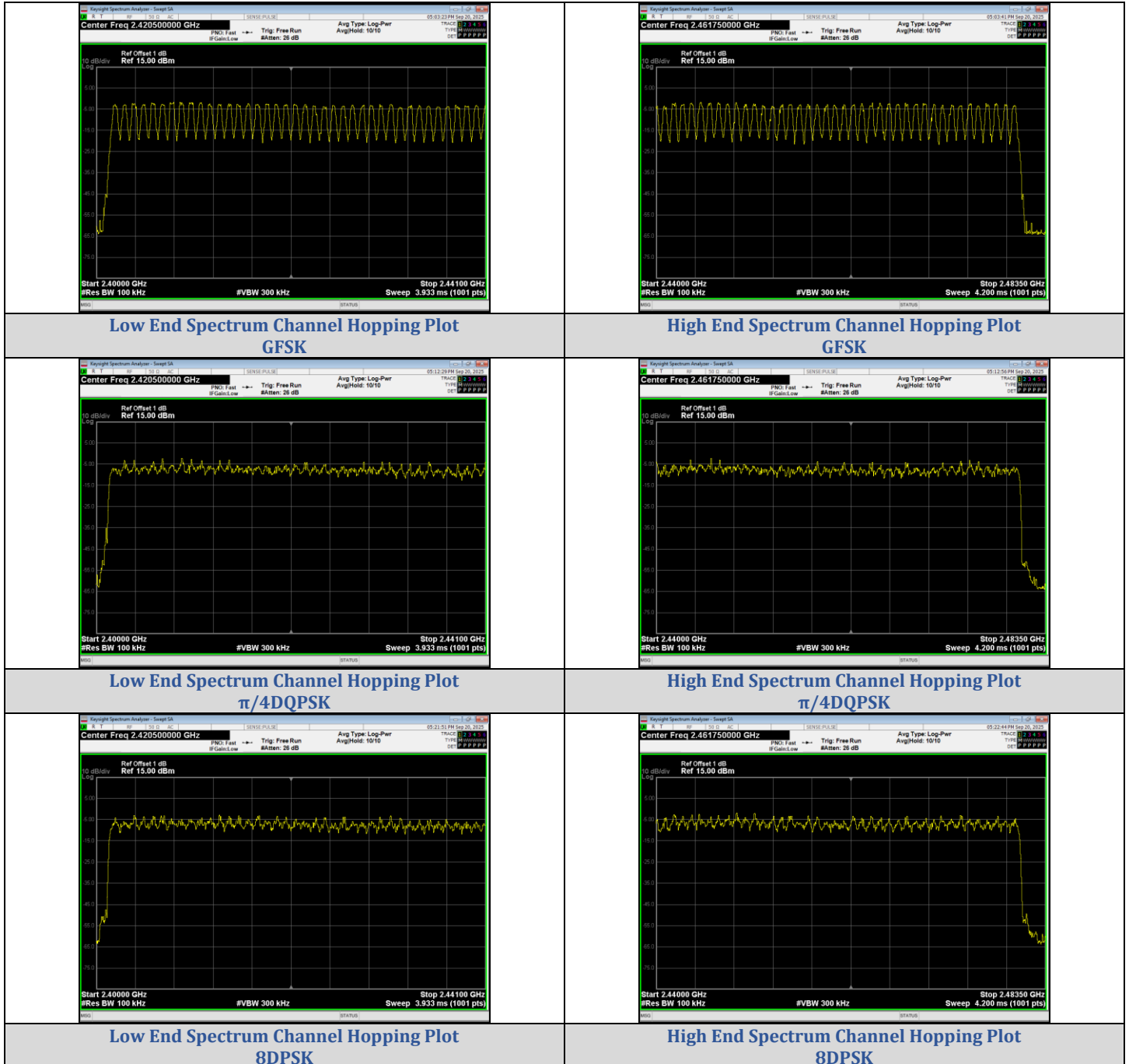


Number Of Hopping Channel

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

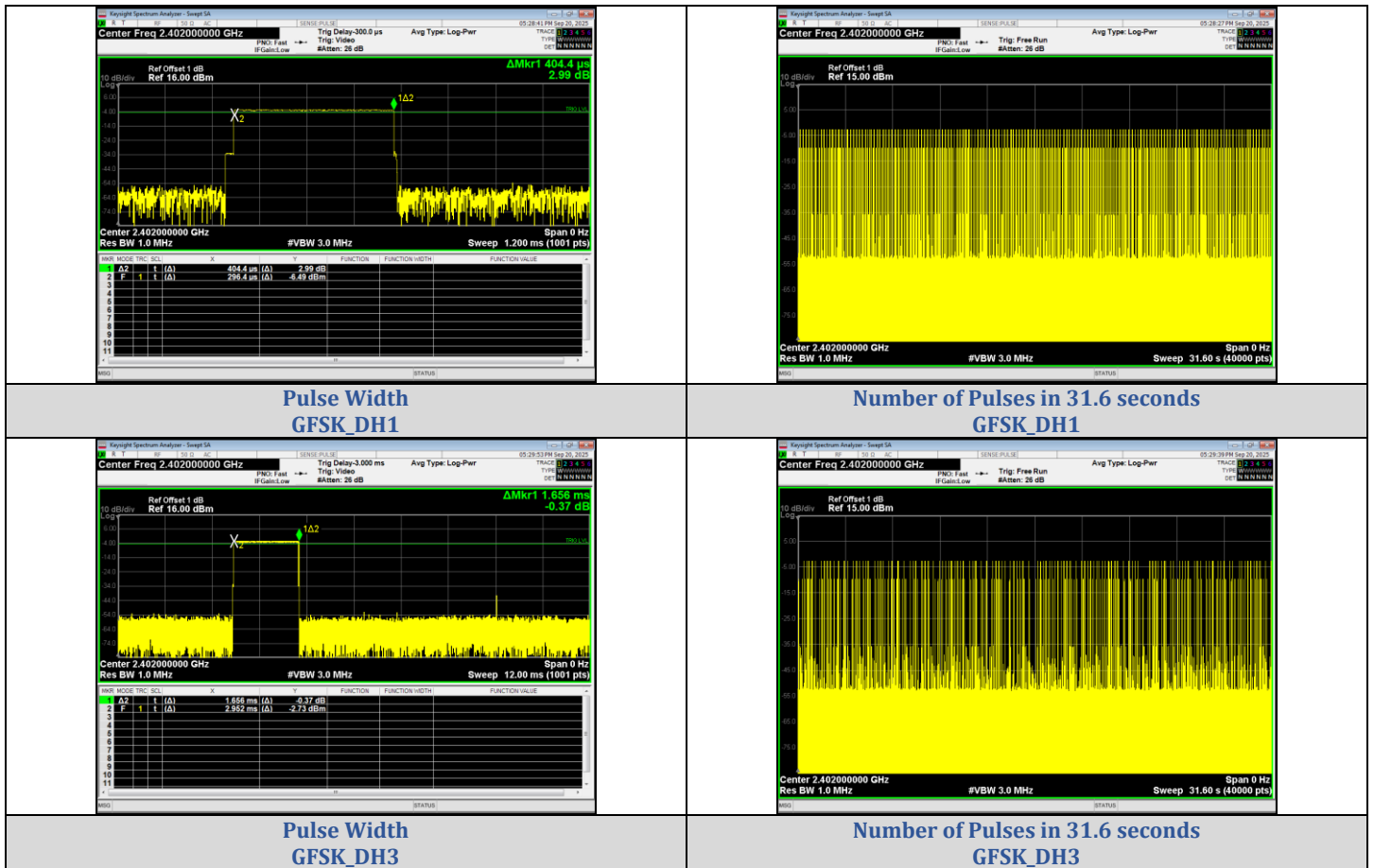


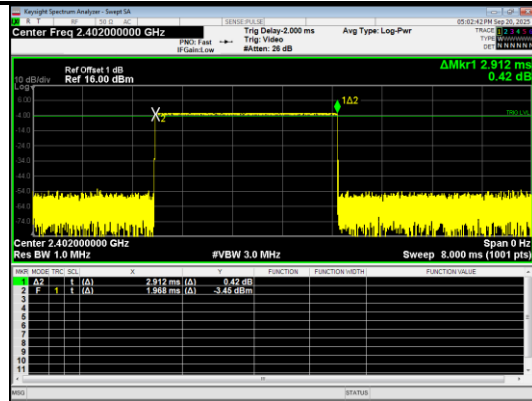
Dwell Time

Test Result

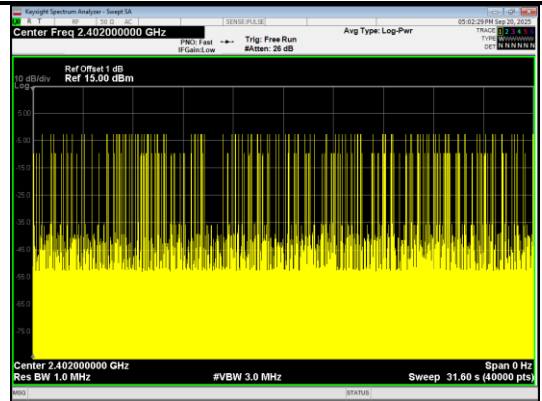
Modulation	Packet	Channel	Pulse Width (ms)	Number of Pulses in 31.6 seconds	Dwell Time (ms)	Limit (ms)	Result
GFSK	DH1	Hopping	0.4044	316	127.79	< 400	PASS
	DH3		1.656	171	283.18		PASS
	DH5		2.912	118	343.62		PASS
$\pi/4$ DQPSK	2-DH1		0.3984	317	126.29		PASS
	2-DH3		1.656	168	278.21		PASS
	2-DH5		2.896	118	341.73		PASS
8DPSK	3-DH1		0.3960	316	125.14		PASS
	3-DH3		1.632	155	252.96		PASS
	3-DH5		2.896	103	298.29		PASS

Test Graphs

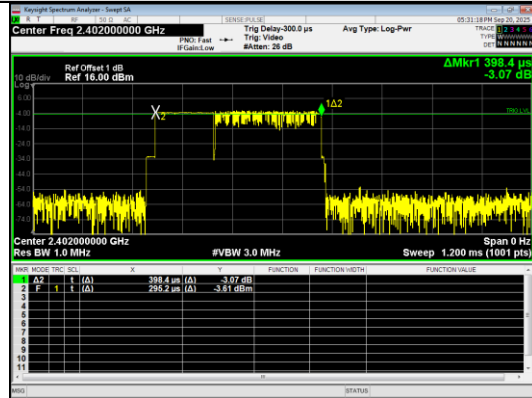




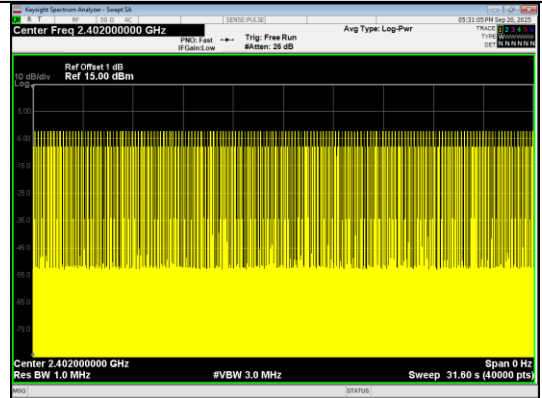
Pulse Width
GFSK_DH5



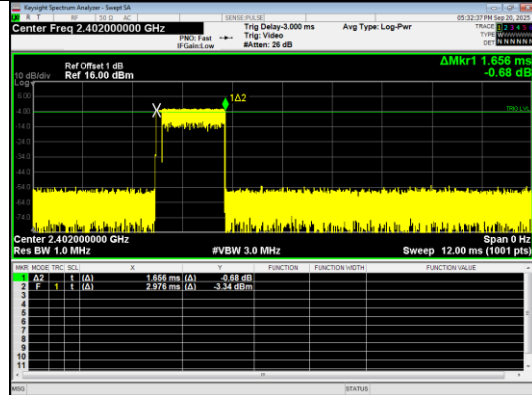
Number of Pulses in 31.6 seconds
GFSK_DH5



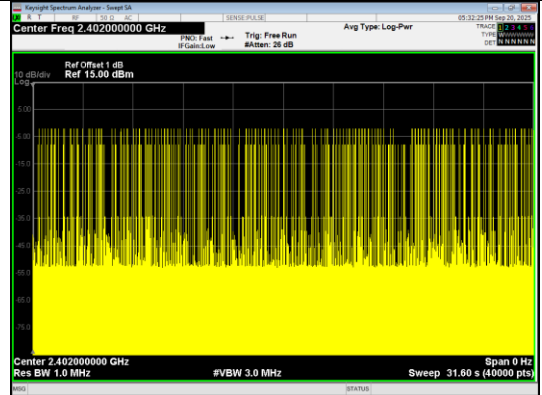
Pulse Width
 $\pi/4$ DQPSK_2-DH1



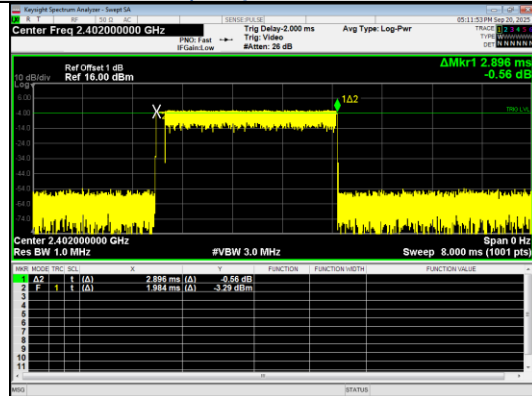
Number of Pulses in 31.6 seconds
 $\pi/4$ DQPSK_2-DH1



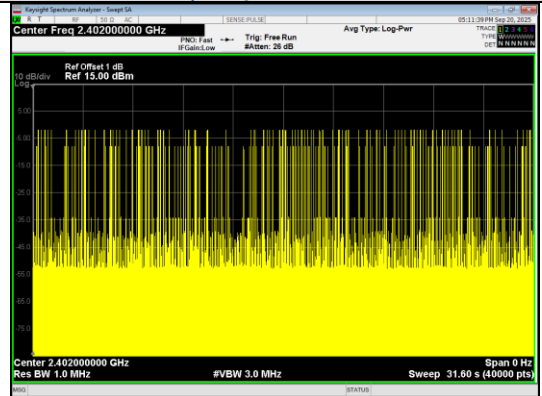
Pulse Width
 $\pi/4$ DQPSK_2-DH3



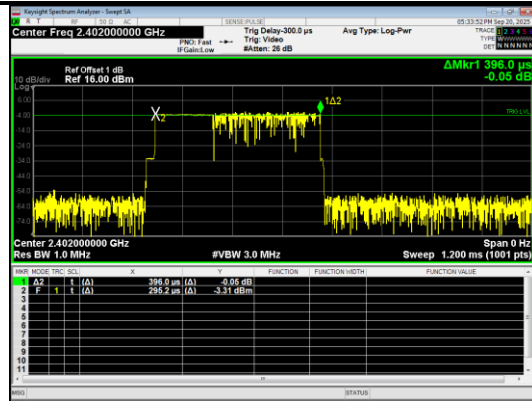
Number of Pulses in 31.6 seconds
 $\pi/4$ DQPSK_2-DH3



Pulse Width
 $\pi/4$ DQPSK_2-DH5



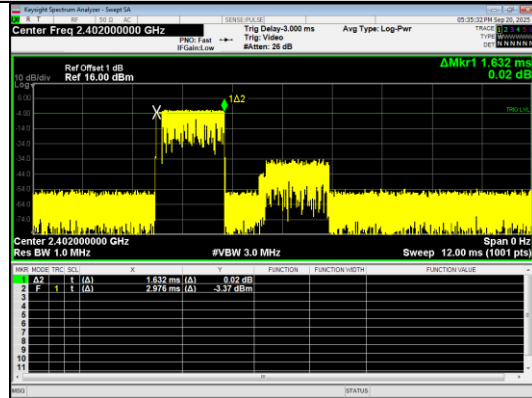
Number of Pulses in 31.6 seconds
 $\pi/4$ DQPSK_2-DH5



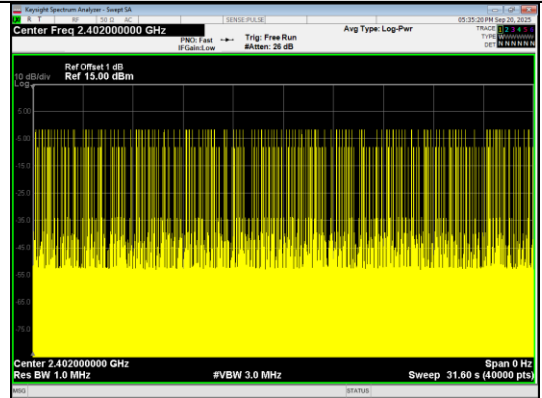
**Pulse Width
8DPSK_3-DH1**



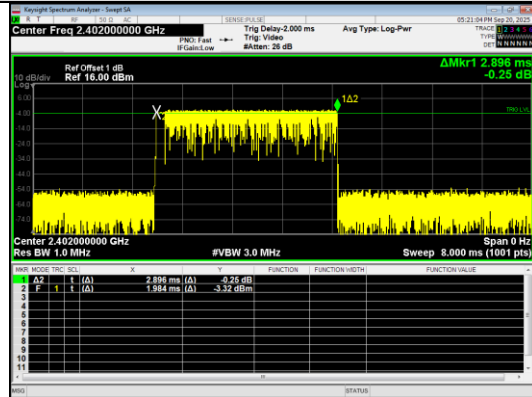
**Number of Pulses in 31.6 seconds
8DPSK_3-DH1**



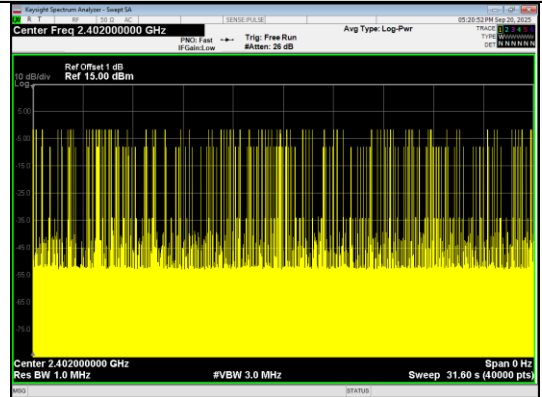
**Pulse Width
8DPSK_3-DH3**



**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**

Conducted Out Of Band Emission

Test Result

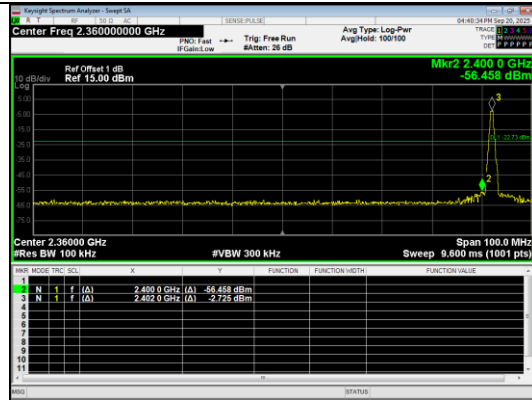
Non-Hopping

Modulation	Packet	Channel	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result
GFSK	DH5	0	2400.00	-56.460	-22.73	-33.730	PASS
			24966.3	-49.594	-22.73	-26.864	PASS
		39	24871.4	-49.010	-23.03	-25.980	PASS
		78	2483.50	-59.410	-22.31	-37.100	PASS
			24949.4	-49.479	-22.31	-27.169	PASS
π/4DQPSK	2-DH5	0	2398.10	-57.470	-23.36	-34.110	PASS
			2400.00	-61.060	-23.36	-37.700	PASS
			24903.9	-49.478	-23.36	-26.118	PASS
		39	24463.8	-49.861	-23.93	-25.931	PASS
		78	2483.50	-59.190	-23.0	-36.190	PASS
			24971.9	-49.990	-23.0	-26.990	PASS
8DPSK	3-DH5	0	2398.60	-58.739	-23.41	-35.329	PASS
			2400.00	-58.870	-23.41	-35.460	PASS
			24976.3	-49.057	-23.41	-25.647	PASS
		39	24292.7	-49.699	-23.94	-25.759	PASS
		78	2483.50	-57.160	-23.16	-34.000	PASS
			24954.4	-48.398	-23.16	-25.238	PASS

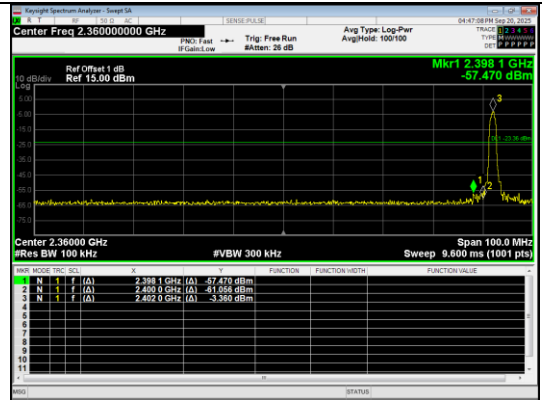
Hopping

Modulation	Packet	Channel	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result
GFSK	DH5	Hopping	2400.00	-57.290	-21.7	-35.590	PASS
π/4DQPSK	2-DH5		2483.50	-59.240	-22.27	-36.970	PASS
			2400.00	-49.200	-22.33	-26.870	PASS
			2483.50	-58.900	-23.01	-35.890	PASS
8DPSK	3-DH5		2398.60	-58.757	-22.55	-36.207	PASS
			2400.00	-62.430	-22.55	-39.880	PASS
			2483.50	-62.120	-23.02	-39.100	PASS

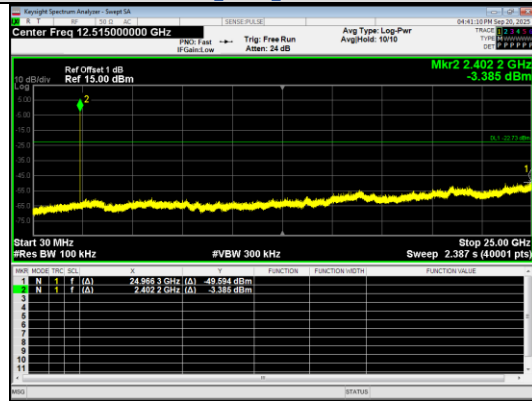
Test Graphs



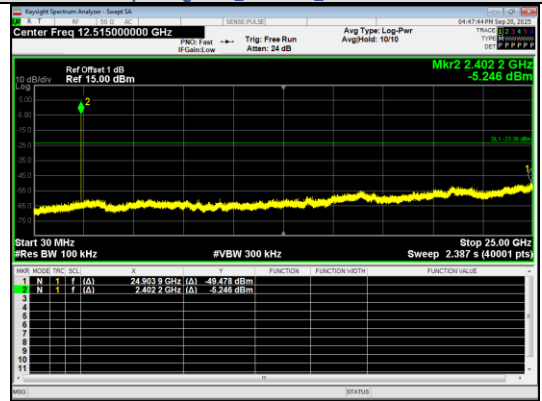
Out Of Band Emission
GFSK_DH5_Channel 0



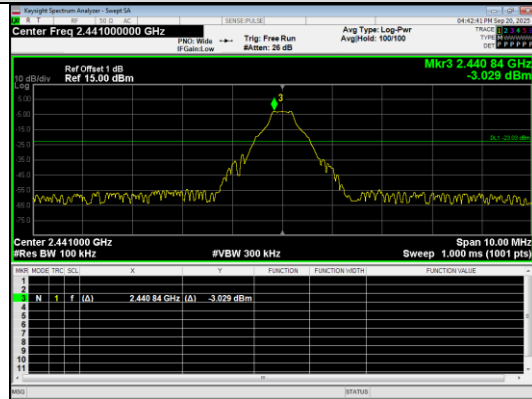
Out Of Band Emission
 $\pi/4$ DQPSK_2-DH5_Channel 0



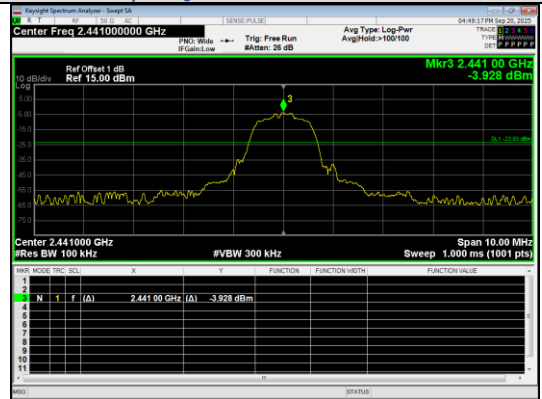
30.0 MHz - 25000.0 MHz
GFSK_DH5_Channel 0



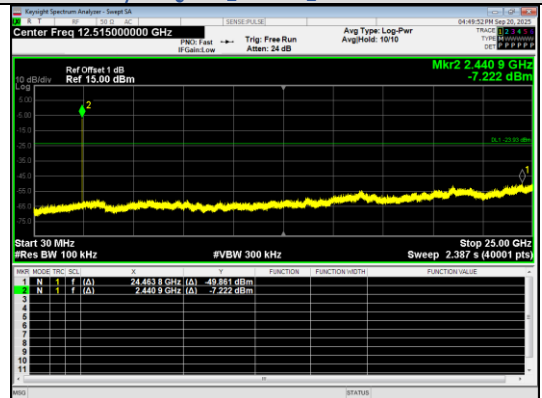
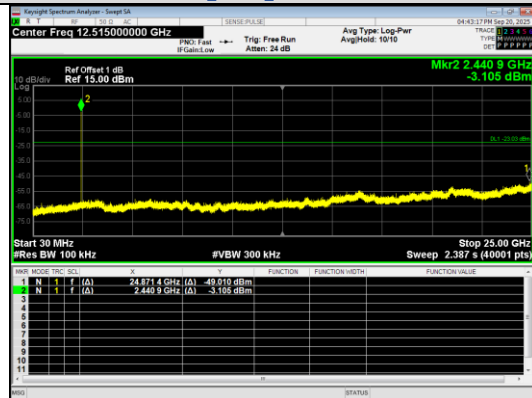
30.0 MHz - 25000.0 MHz
 $\pi/4$ DQPSK_2-DH5_Channel 0



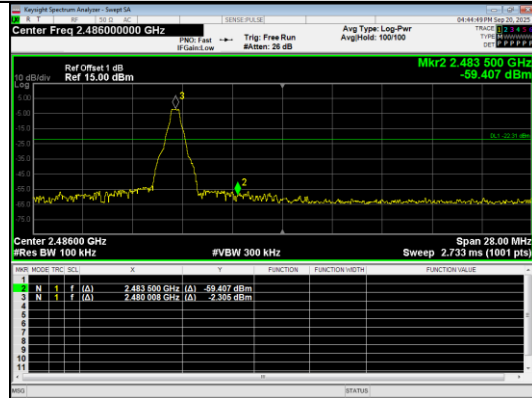
Out Of Band Emission
GFSK_DH5_Channel 39



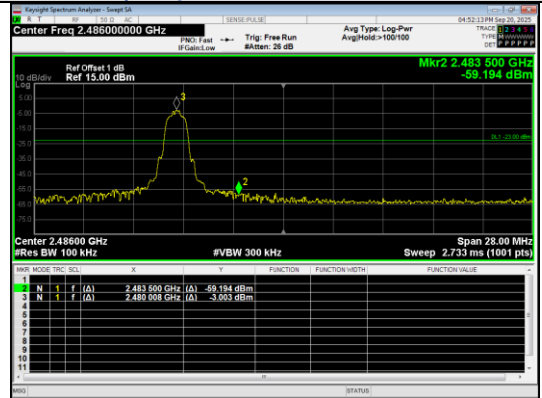
Out Of Band Emission
 $\pi/4$ DQPSK_2-DH5_Channel 39



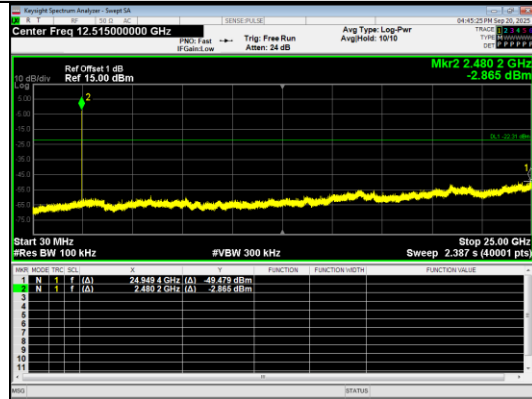
30.0 MHz - 25000.0 MHz GFSK_DH5_Channel 39



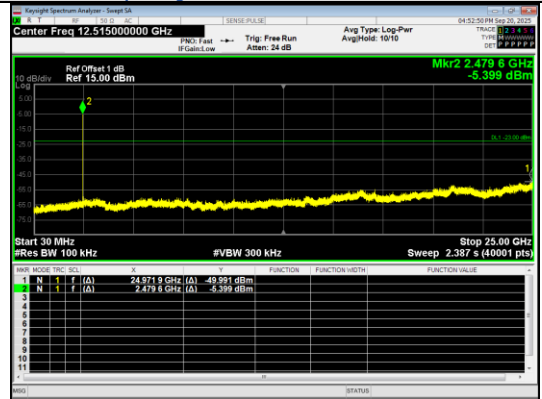
30.0 MHz - 25000.0 MHz $\pi/4$ DQPSK_2-DH5_Channel 39



Out Of Band Emission GFSK_DH5_Channel 78

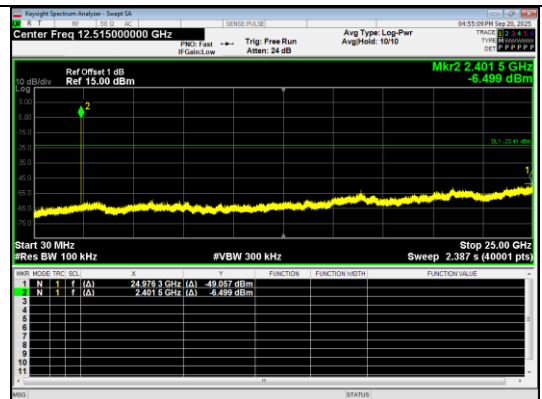
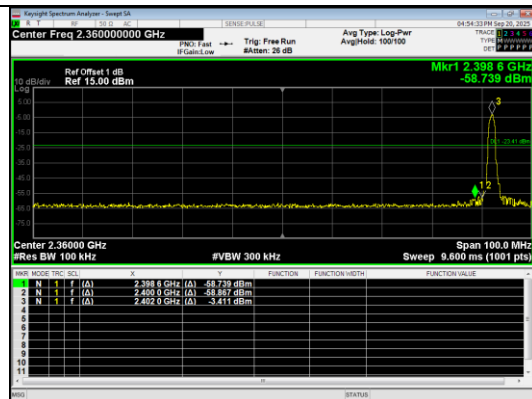


Out Of Band Emission $\pi/4$ DQPSK_2-DH5_Channel 78



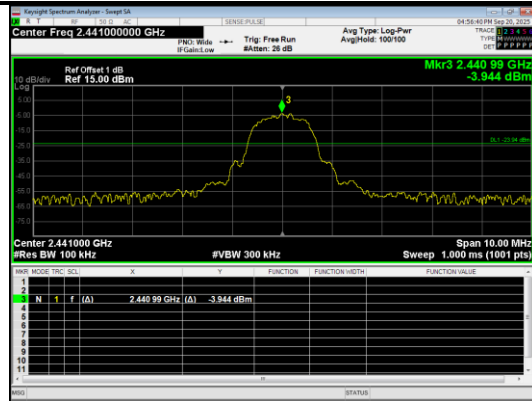
30.0 MHz - 25000.0 MHz GFSK_DH5_Channel 78

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

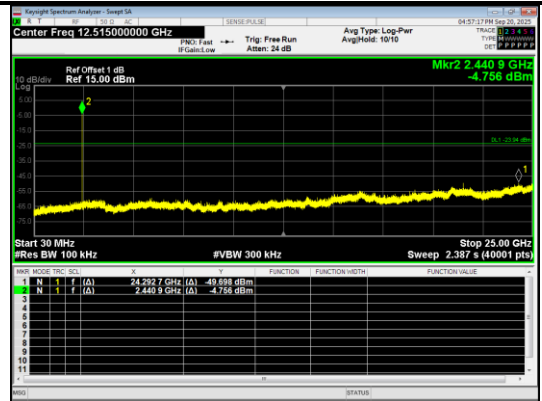


Out Of Band Emission 8DPSK_3-DH5_Channel 0

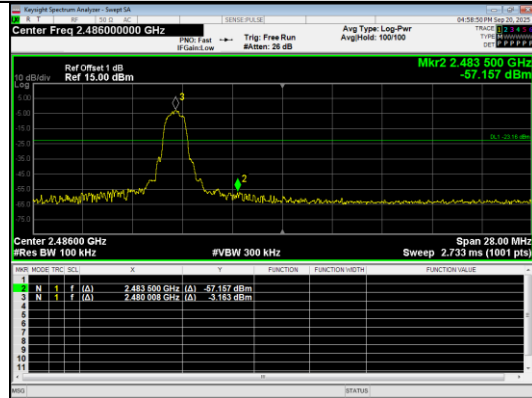
30.0 MHz - 25000.0 MHz 8DPSK_3-DH5_Channel 0



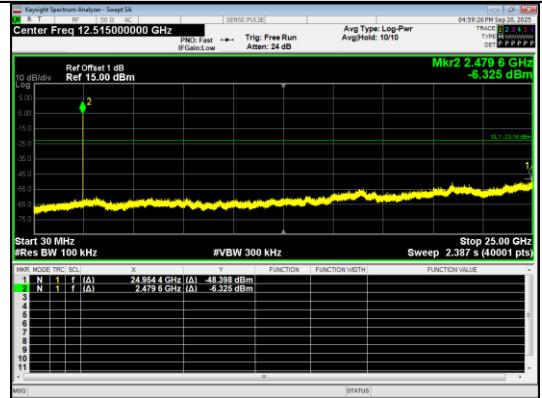
Out Of Band Emission
8DPSK_3-DH5_Channel 39



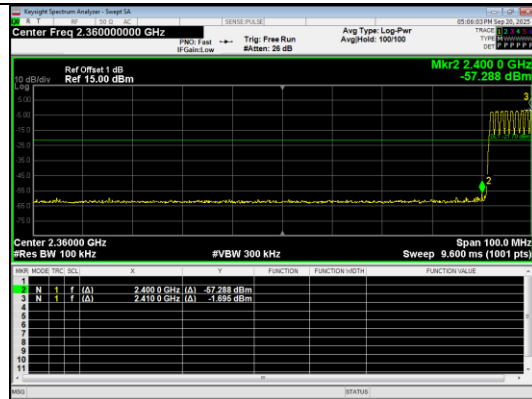
30.0 MHz - 25000.0 MHz
8DPSK_3-DH5_Channel 39



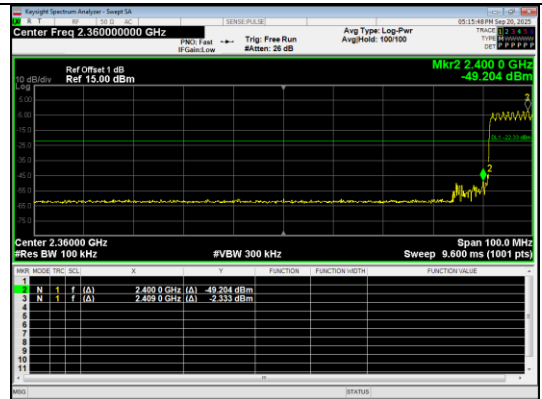
Out Of Band Emission
8DPSK_3-DH5_Channel 78



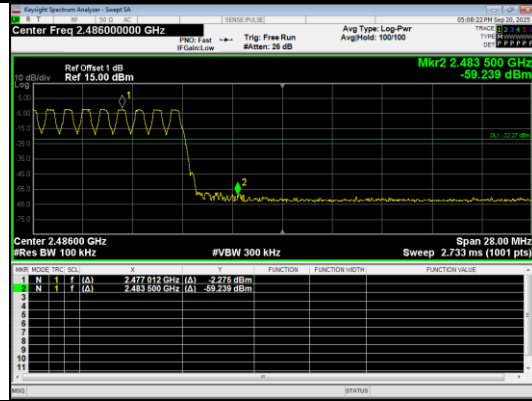
30.0 MHz - 25000.0 MHz
8DPSK_3-DH5_Channel 78



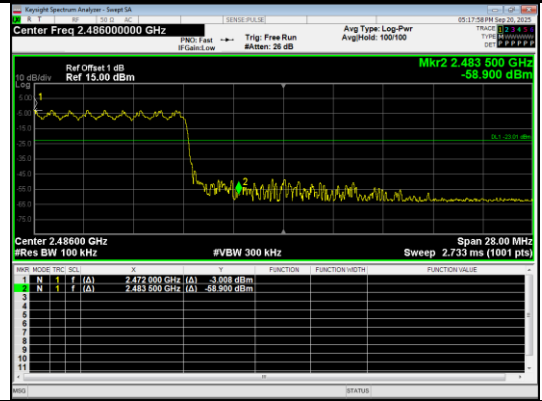
Out Of Band Emission (Left)
GFSK_DH5_Channel Hopping



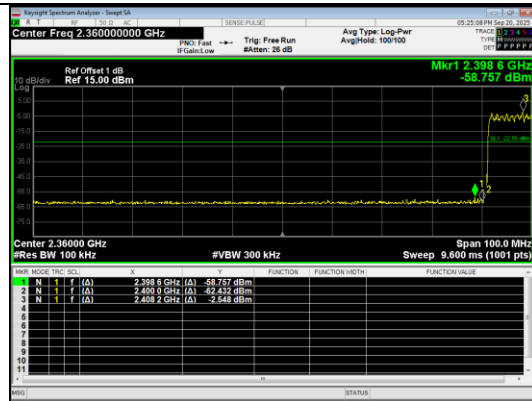
Out Of Band Emission (Left)
 $\pi/4$ DQPSK_2-DH5_Channel Hopping



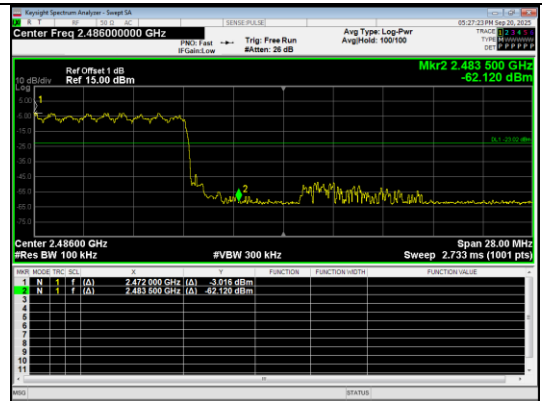
Out Of Band Emission(Right)
GFSK_DH5_Channel Hopping



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