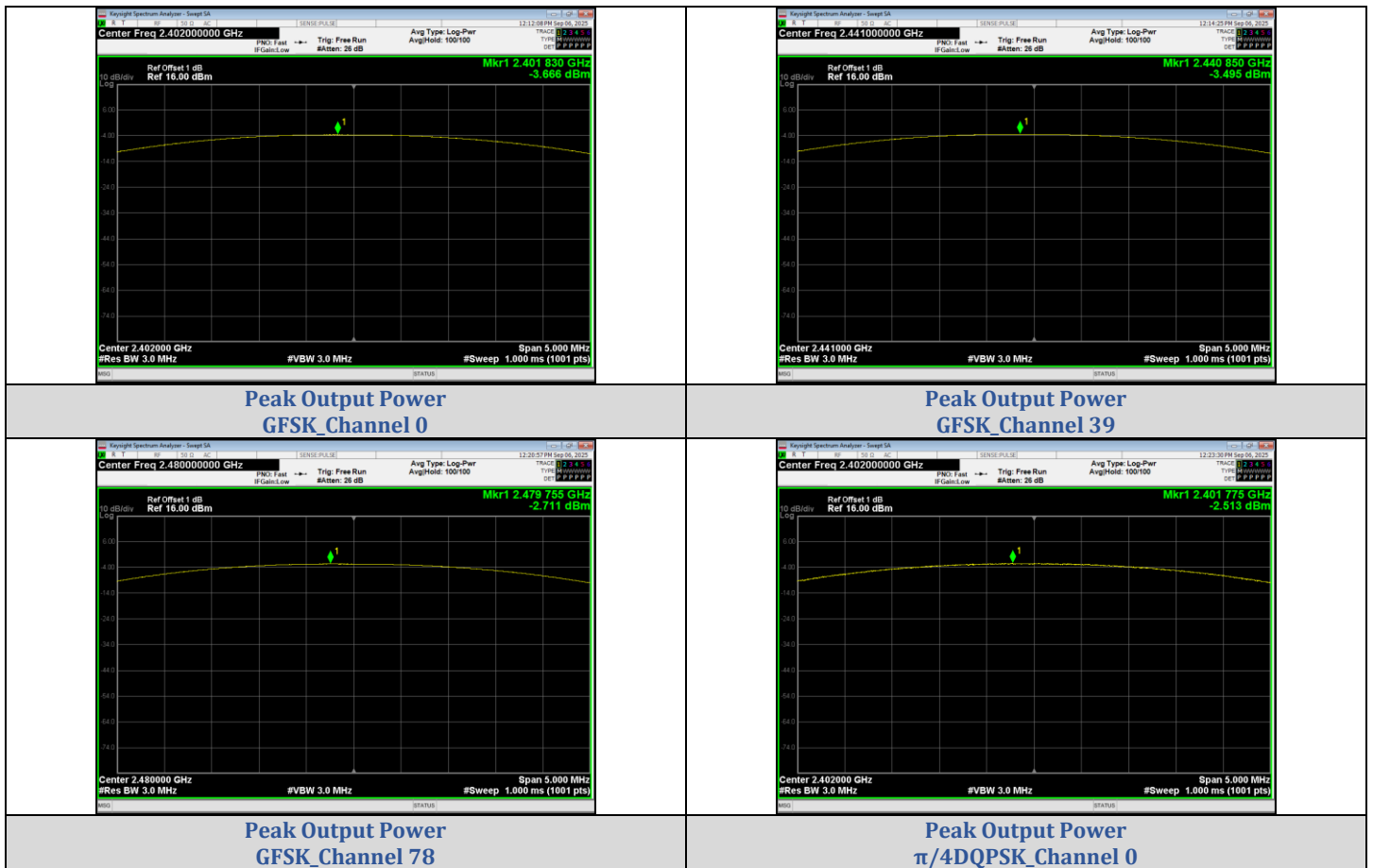


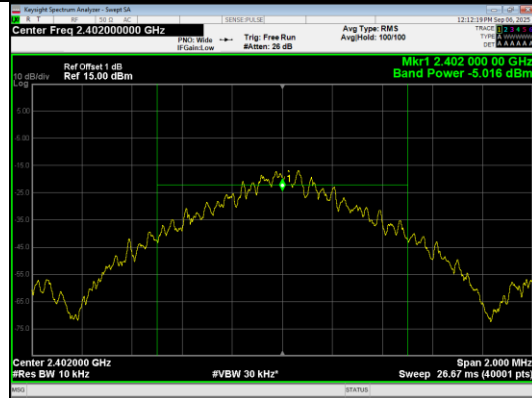
Conducted Output Power

Test Result

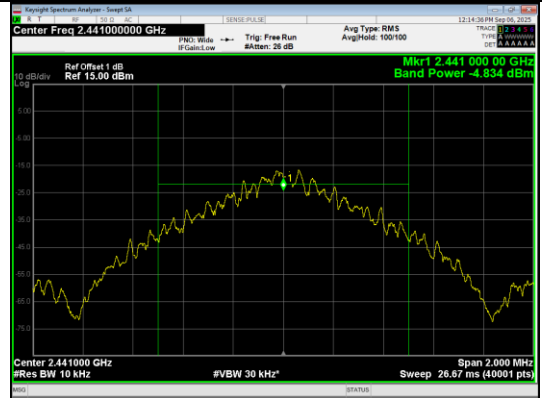
Modulation	Packet Type	Channel	Peak Output Power (dBm)	Peak Output Power (mW)	Max. Avg. Power (dBm)	Limit (dBm)	Result
GFSK	DH5	0	-3.67	0.43	-3.87	≤30	PASS
		39	-3.50	0.45	-3.69		PASS
		78	-2.71	0.54	-2.83		PASS
$\pi/4$ DQPSK	2-DH5	0	-2.51	0.56	-5.32	≤20.97	PASS
		39	-2.34	0.58	-5.03		PASS
		78	-1.79	0.66	-4.48		PASS
8DPSK	3-DH5	0	-2.08	0.62	-5.25		PASS
		39	-1.88	0.65	-5.14		PASS
		78	-1.34	0.73	-4.63		PASS

Test Graphs

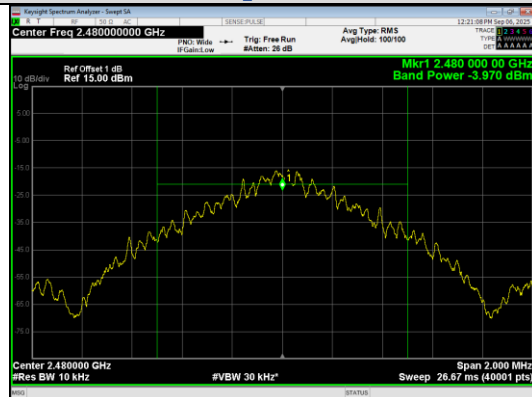




Average Output Power
GFSK_Channel 0



Average Output Power
GFSK_Channel 39



Average Output Power
GFSK_Channel 78



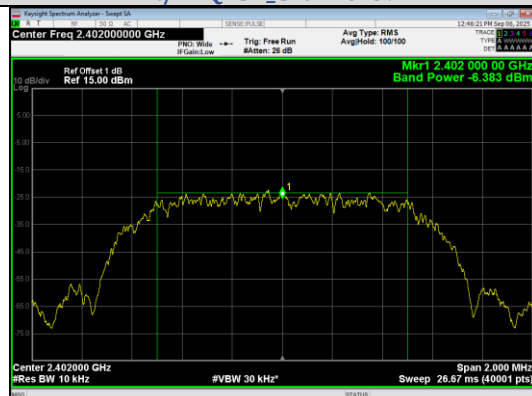
Average Output Power
 $\pi/4$ DQPSK_Channel 0



Average Output Power
 $\pi/4$ DQPSK_Channel 39



Average Output Power
 $\pi/4$ DQPSK_Channel 78



Average Output Power



Average Output Power

8DPSK_Channel 0



Average Output Power
8DPSK_Channel 78

8DPSK_Channel 39

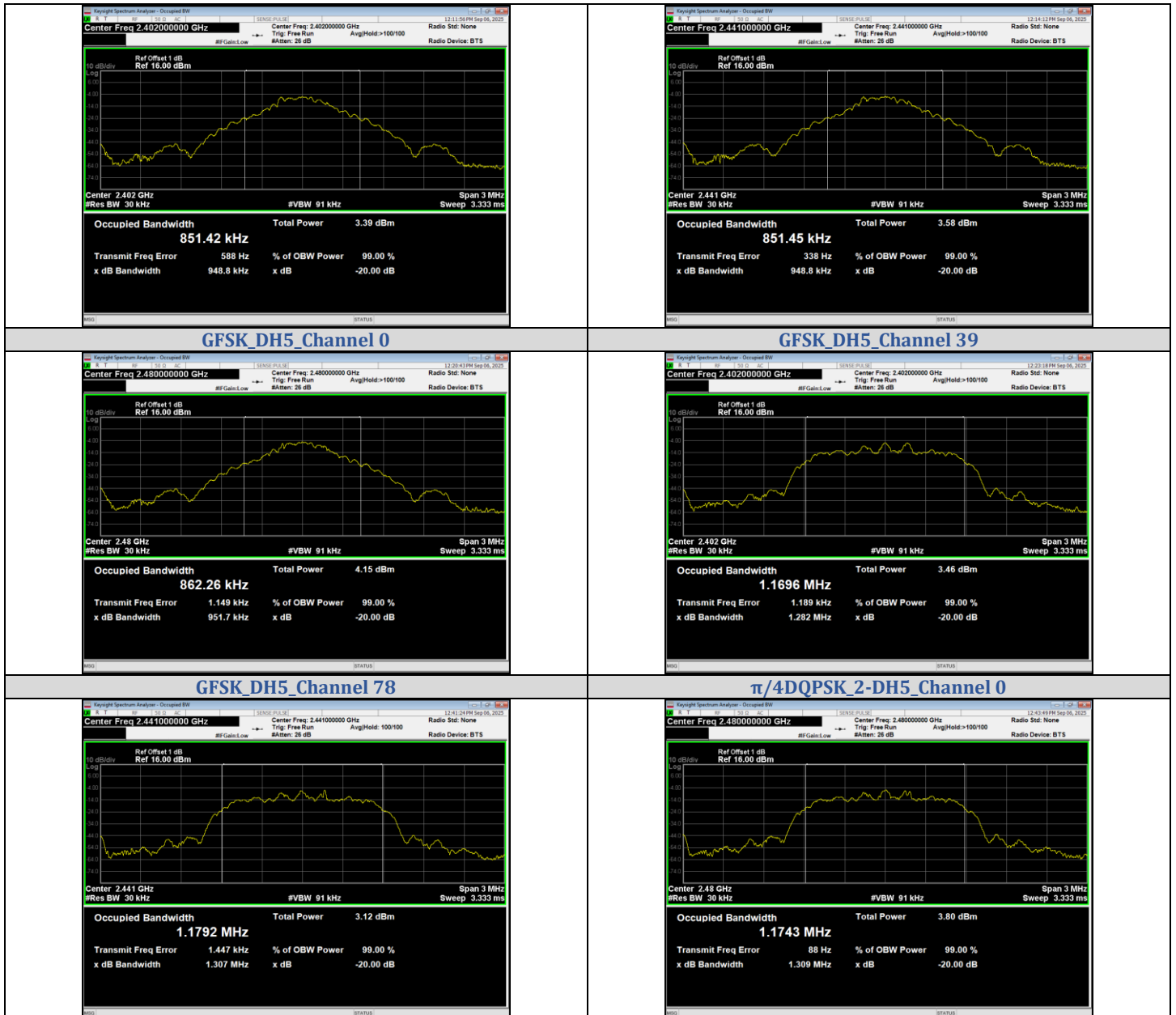


20dB Bandwidth

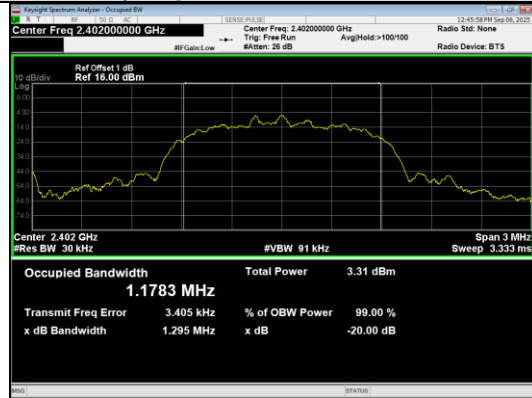
Test Result

Modulation	Channel	Center Frequency (MHz)	20 dB Bandwidth (MHz)
GFSK	0	2402 MHz	0.9500
	39	2441 MHz	0.9500
	78	2480 MHz	0.9500
$\pi/4$ DQPSK	0	2402 MHz	1.280
	39	2441 MHz	1.310
	78	2480 MHz	1.310
8DPSK	0	2402 MHz	1.290
	39	2441 MHz	1.300
	78	2480 MHz	1.290

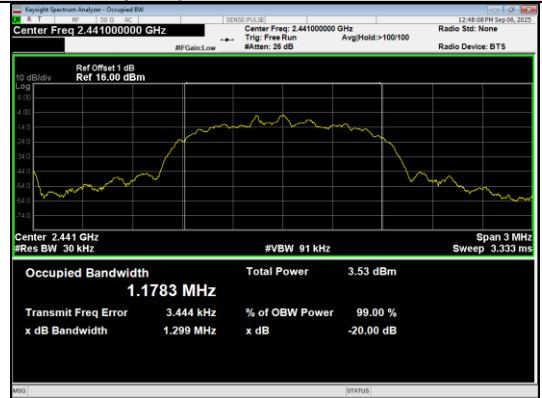
Test Graphs



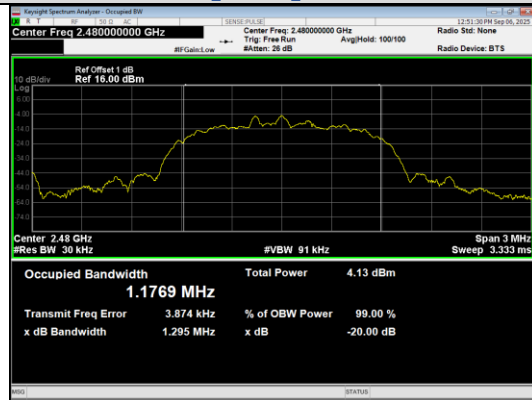
$\pi/4$ DQPSK 2-DH5_Channel 39



$\pi/4$ DQPSK 2-DH5_Channel 78



8DPSK 3-DH5_Channel 0



8DPSK 3-DH5_Channel 39

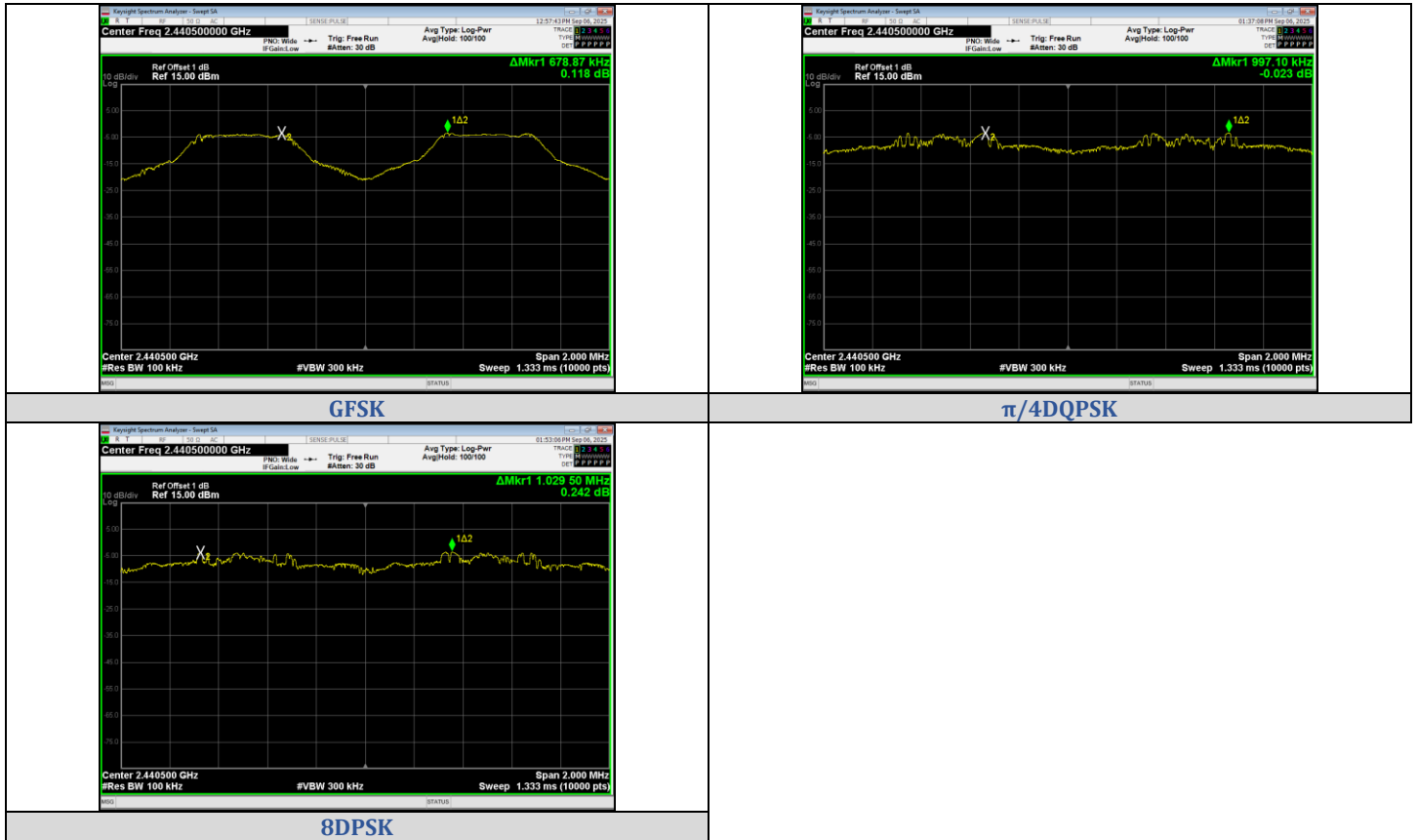
8DPSK 3-DH5_Channel 78

Carrier Frequencies Separation

Test Result

Modulation	Packet	Left Center frequency (MHz)	Right Center frequency (MHz)	Hopping Frequency Separation (MHz)	Limit (MHz)	Result
GFSK	DH5	2440.1569	2440.8357	0.6789	0.99	PASS
$\pi/4$ DQPSK	2-DH5	2440.1615	2441.1586	0.9971	0.99	PASS
8DPSK	3-DH5	2439.8248	2440.8543	1.0295	0.99	PASS

Test Graphs



Conducted Out Of Band Emission

Test Result

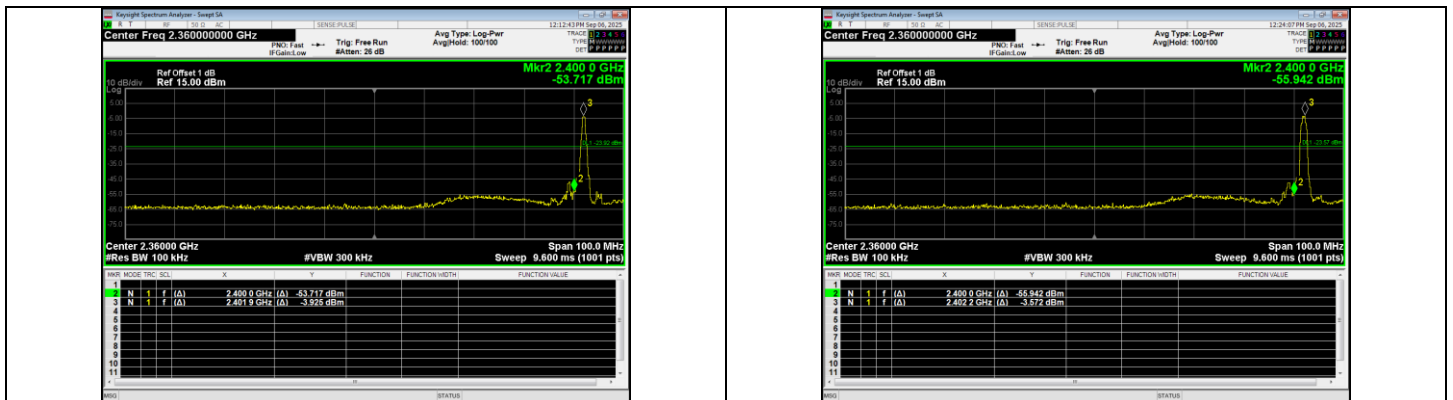
Non-Hopping

Modulation	Packet	Channel	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result
GFSK	DH5	0	2399.00	-47.323	-23.92	-23.403	PASS
			2400.00	-53.720	-23.92	-29.800	PASS
			24305.8	-49.551	-23.92	-25.631	PASS
		39	2536.99	-48.836	-23.61	-25.226	PASS
		78	2483.50	-51.590	-22.83	-28.760	PASS
			2575.69	-48.701	-22.83	-25.871	PASS
$\pi/4$ DQPSK	2-DH5	0	2399.00	-47.671	-23.57	-24.101	PASS
			2400.00	-55.940	-23.57	-32.370	PASS
			9602.20	-49.404	-23.57	-25.834	PASS
		39	24910.7	-49.793	-23.42	-26.373	PASS
		78	2483.50	-50.640	-22.82	-27.820	PASS
			24986.9	-49.265	-22.82	-26.445	PASS
8DPSK	3-DH5	0	2398.80	-47.296	-23.53	-23.766	PASS
			2400.00	-58.150	-23.53	-34.620	PASS
			9602.20	-48.764	-23.53	-25.234	PASS
		39	24885.1	-49.759	-23.39	-26.369	PASS
		78	2483.50	-52.520	-22.81	-29.710	PASS
			24350.8	-49.700	-22.81	-26.890	PASS

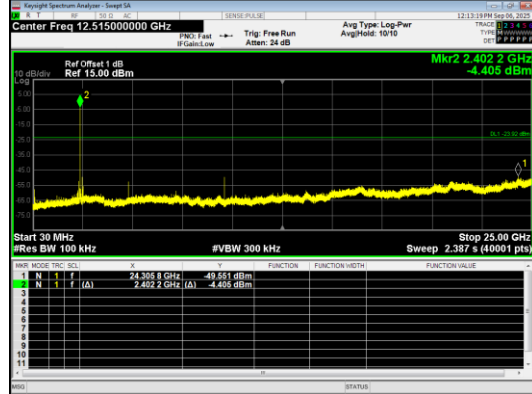
Hopping

Modulation	Packet	Channel	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result
GFSK	DH5	Hopping	2400.00	-46.340	-23.52	-22.820	PASS
π/4DQPSK	2-DH5		2483.50	-50.250	-22.82	-27.430	PASS
			2398.85	-46.996	-23.52	-23.476	PASS
			2400.00	-48.590	-23.52	-25.070	PASS
			2483.50	-51.960	-23.44	-28.520	PASS
8DPSK	3-DH5		2400.00	-48.250	-23.53	-24.720	PASS
		2483.50	-50.860	-22.81	-28.050	PASS	

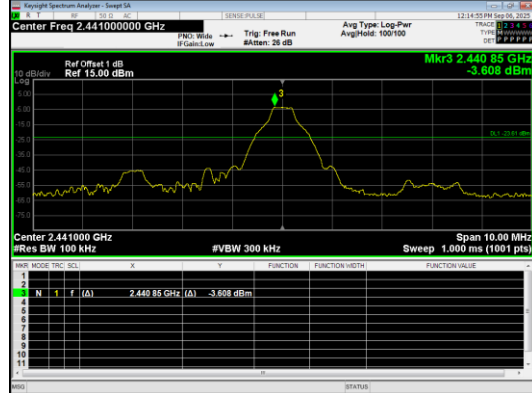
Test Graphs



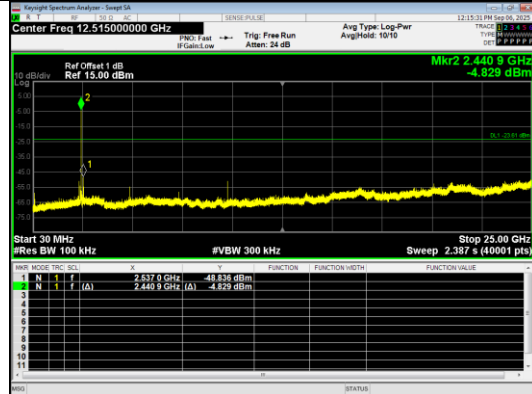
Out Of Band Emission GFSK_DH5_Channel 0



30.0 MHz - 25000.0 MHz GFSK_DH5_Channel 0

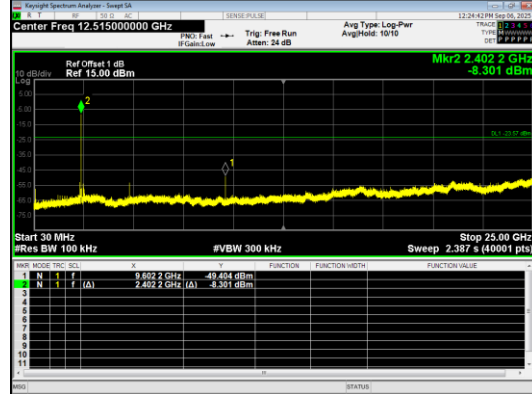


Out Of Band Emission GFSK_DH5_Channel 39

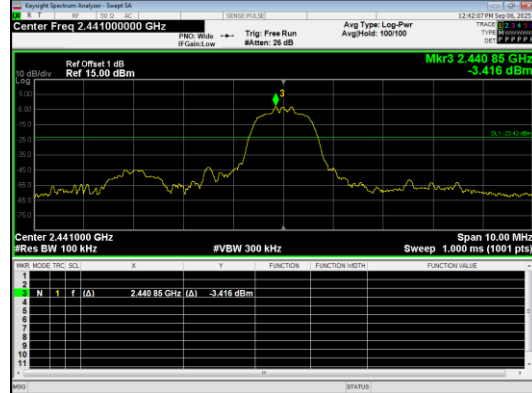


30.0 MHz - 25000.0 MHz GFSK_DH5_Channel 39

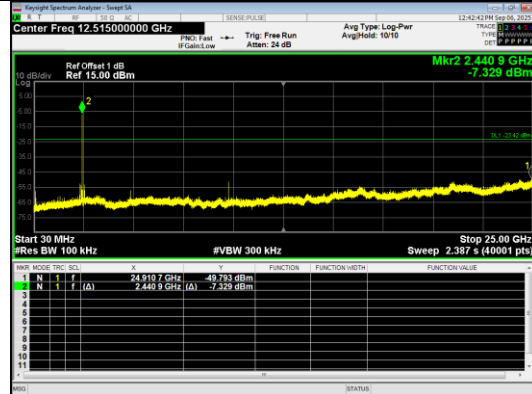
Out Of Band Emission $\pi/4$ DQPSK_2-DH5_Channel 0



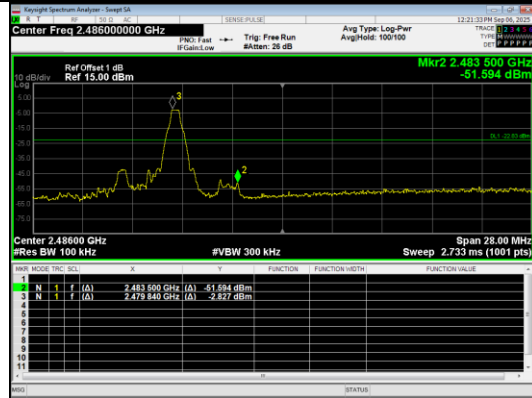
30.0 MHz - 25000.0 MHz $\pi/4$ DQPSK_2-DH5_Channel 0



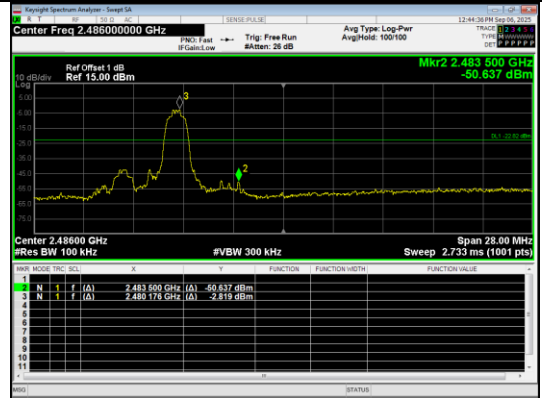
Out Of Band Emission $\pi/4$ DQPSK_2-DH5_Channel 39



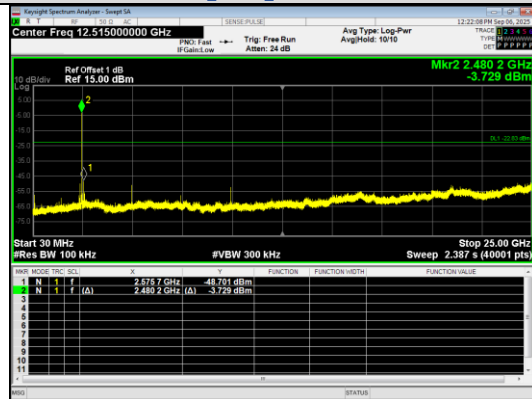
30.0 MHz - 25000.0 MHz $\pi/4$ DQPSK_2-DH5_Channel 39



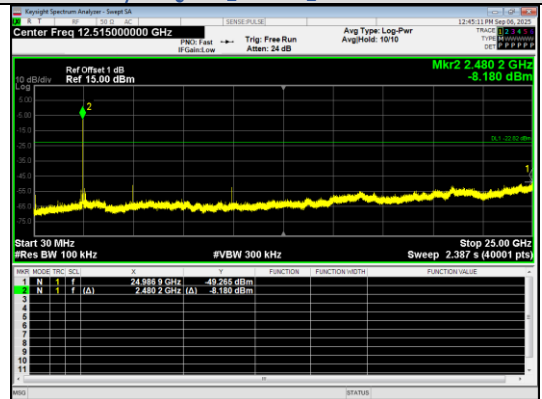
Out Of Band Emission
GFSK_DH5_Channel 78



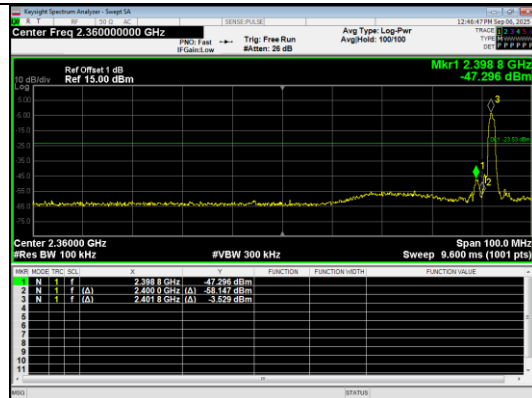
Out Of Band Emission
 $\pi/4$ DQPSK_2-DH5_Channel 78



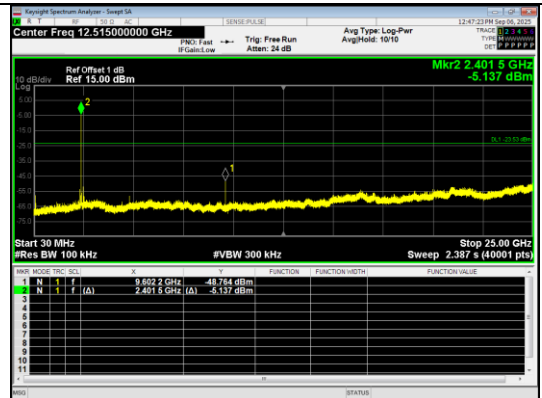
30.0 MHz - 25000.0 MHz
GFSK_DH5_Channel 78



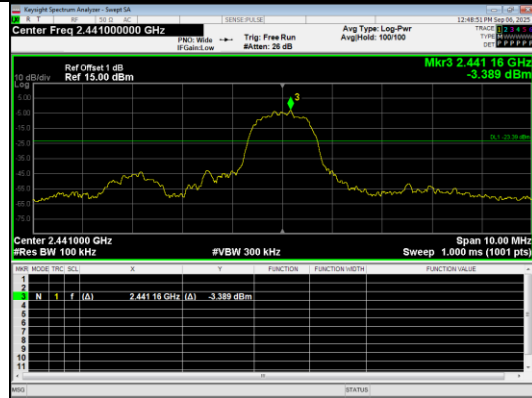
30.0 MHz - 25000.0 MHz
 $\pi/4$ DQPSK_2-DH5_Channel 78



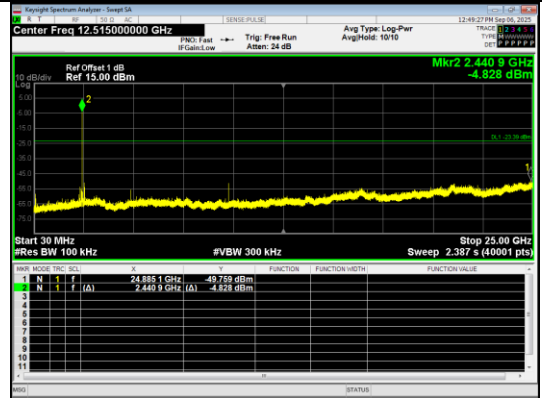
Out Of Band Emission
8DPSK_3-DH5_Channel 0



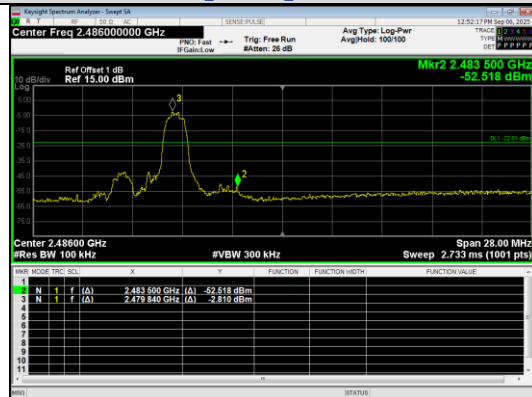
30.0 MHz - 25000.0 MHz
8DPSK_3-DH5_Channel 0



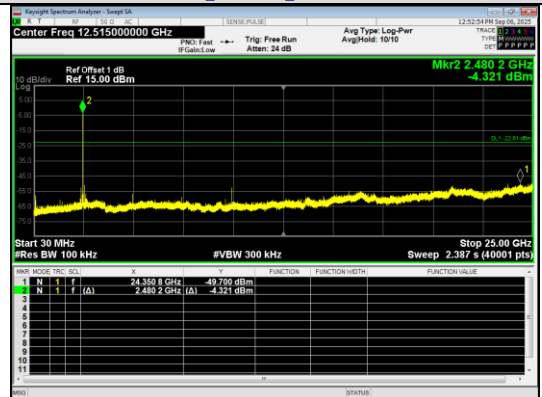
Out Of Band Emission
8DPSK_3-DH5_Channel 39



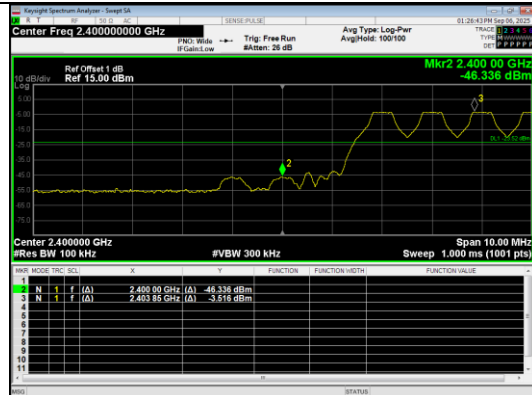
30.0 MHz - 25000.0 MHz
8DPSK_3-DH5_Channel 39



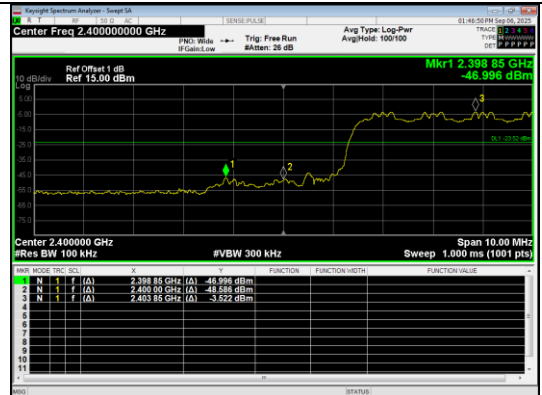
Out Of Band Emission
8DPSK_3-DH5_Channel 78



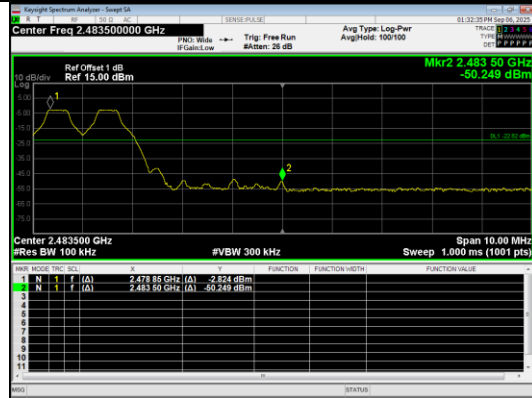
30.0 MHz - 25000.0 MHz
8DPSK_3-DH5_Channel 78



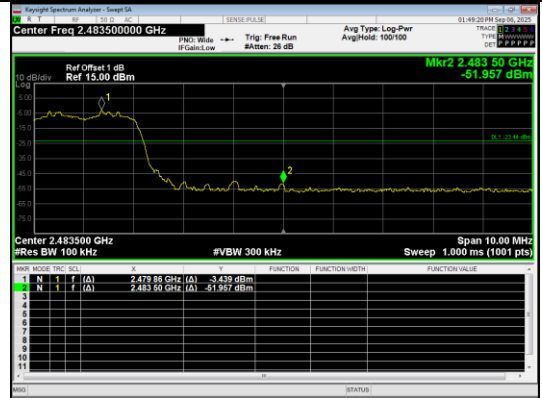
Out Of Band Emission(Left)
GFSK_DH5_Channel Hopping



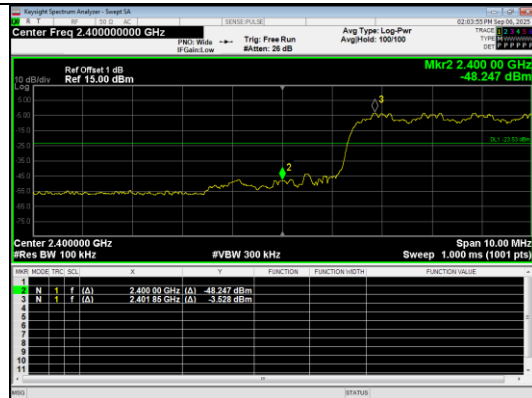
Out Of Band Emission(Left)
 $\pi/4$ DQPSK_2-DH5_Channel Hopping



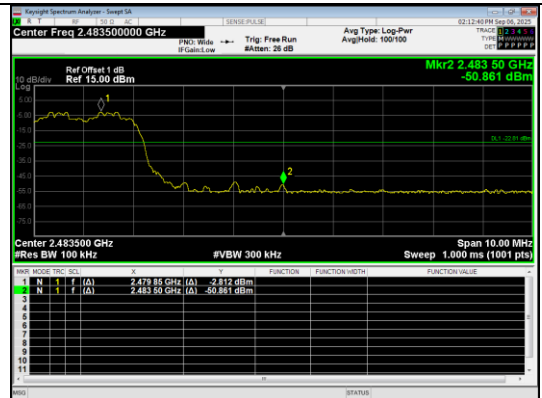
Out Of Band Emission(Right)
GFSK_DH5_Channel Hopping



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



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



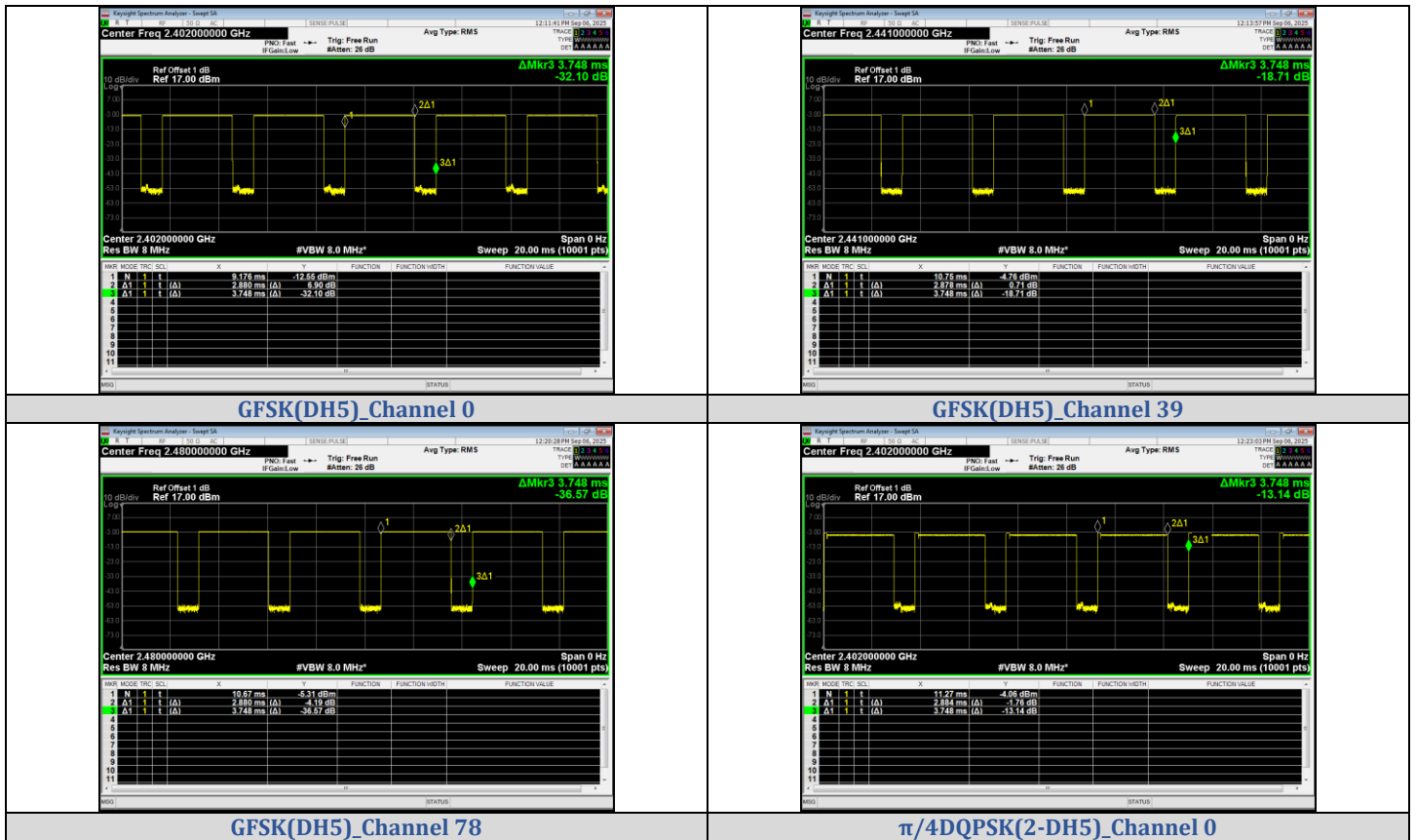
Out Of Band Emission(Right)
8DPSK_3-DH5_Channel Hopping

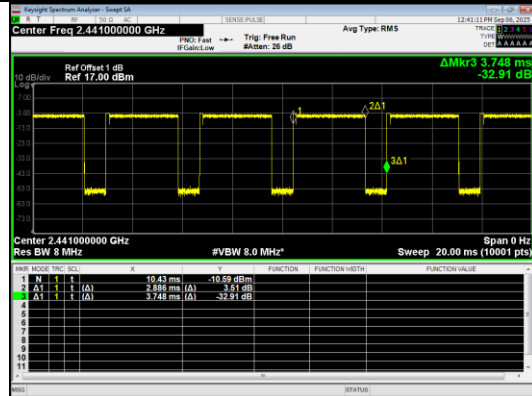
Duty Cycle

Test Result

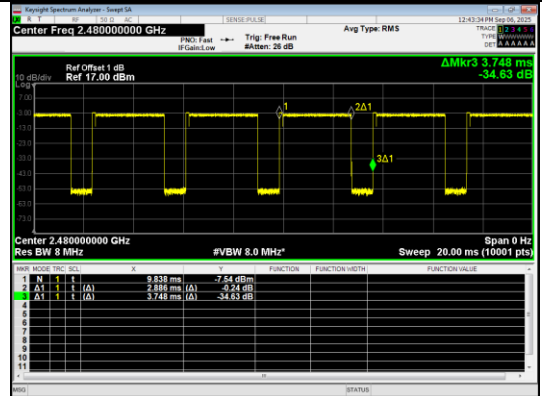
Modulation	Packets	Channel	On Time (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle (linear)	Duty Cycle Factor (dB)	1/T
GFSK	DH5	0	2.880	3.748	76.84	0.7684	1.1441	0.3472
		39	2.878	3.748	76.79	0.7679	1.147	0.3475
		78	2.880	3.748	76.84	0.7684	1.1441	0.3472
$\pi/4$ DQPSK	2-DH5	0	2.884	3.748	76.95	0.7695	1.1379	0.3467
		39	2.886	3.748	77.00	0.7700	1.1351	0.3465
		78	2.886	3.748	77.00	0.7700	1.1351	0.3465
8DPSK	3-DH5	0	2.886	3.748	77.00	0.7700	1.1351	0.3465
		39	2.888	3.748	77.05	0.7705	1.1323	0.3463
		78	2.888	3.748	77.05	0.7705	1.1323	0.3463

Test Graphs

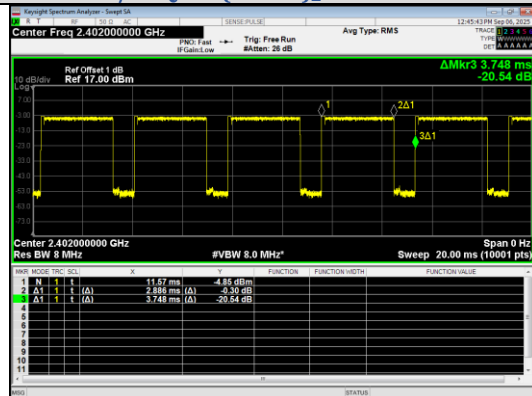




$\pi/4$ DQPSK(2-DH5)_Channel 39



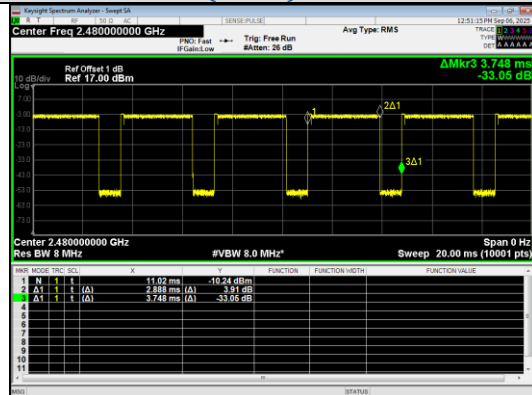
$\pi/4$ DQPSK(2-DH5)_Channel 78



8DPSK(3-DH5)_Channel 0



8DPSK(3-DH5)_Channel 39



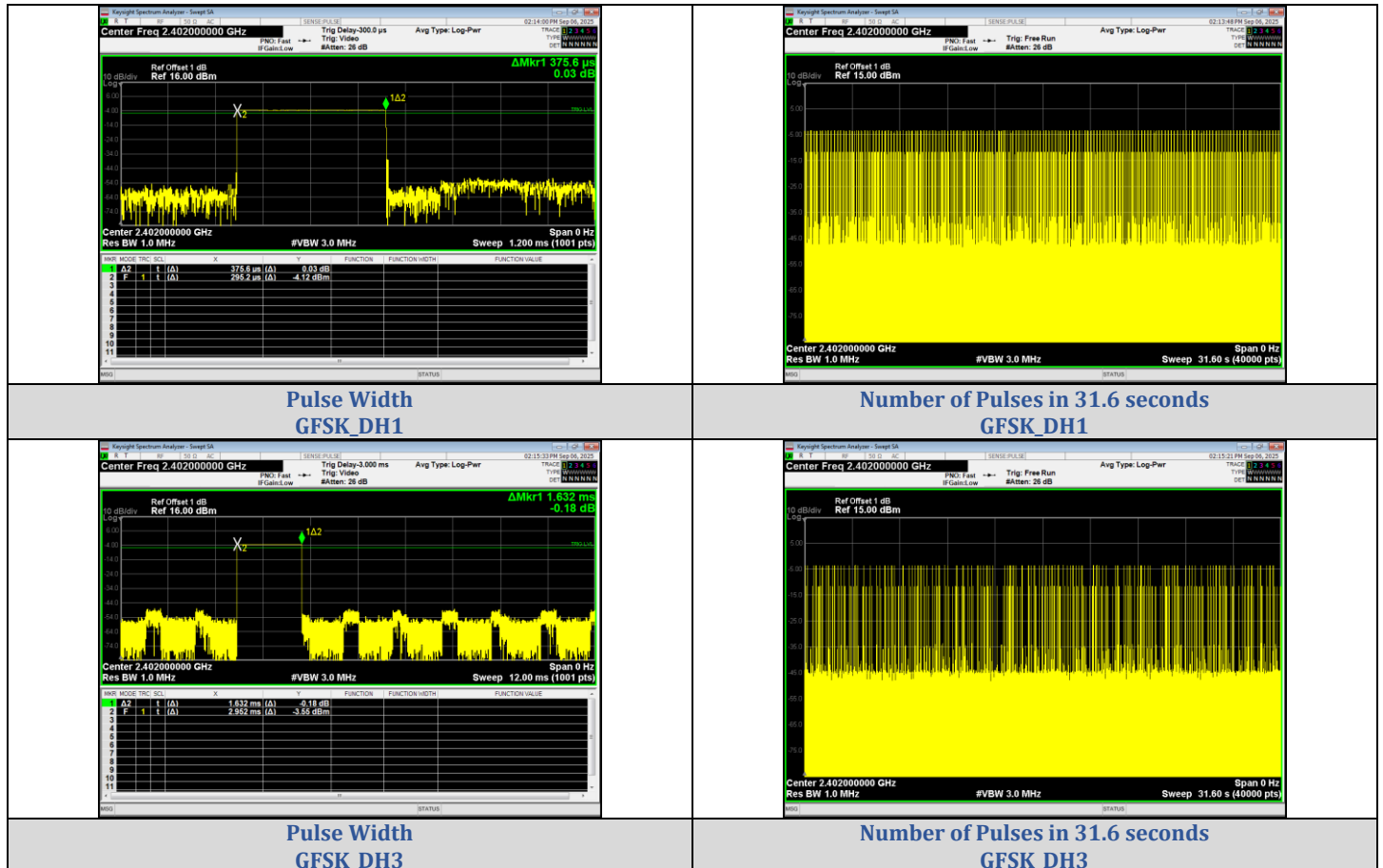
8DPSK(3-DH5)_Channel 78

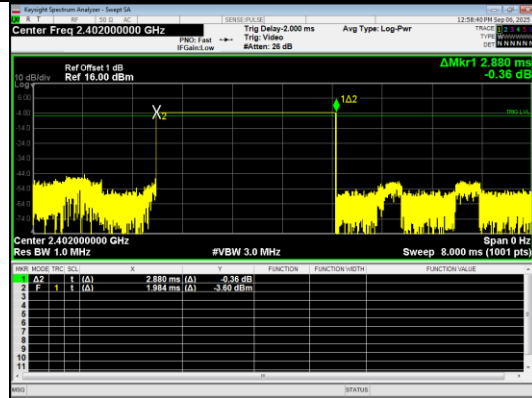
Dwell Time

Test Result

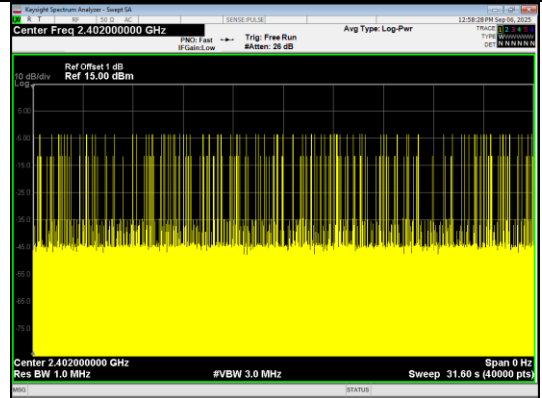
Modulation	Packet	Channel	Pulse Width (ms)	Number of Pulses in 31.6 seconds	Dwell Time (ms)	Limit (ms)	Result
GFSK	DH1	Hopping	0.3756	315	118.31	< 400	PASS
	DH3		1.632	156	254.59		PASS
	DH5		2.880	101	290.88		PASS
$\pi/4$ DQPSK	2-DH1		0.3864	313	120.94		PASS
	2-DH3		1.632	167	272.54		PASS
	2-DH5		2.880	105	302.4		PASS
8DPSK	3-DH1		0.3864	320	123.65		PASS
	3-DH3		1.632	158	257.86		PASS
	3-DH5		2.880	106	305.28		PASS

Test Graphs

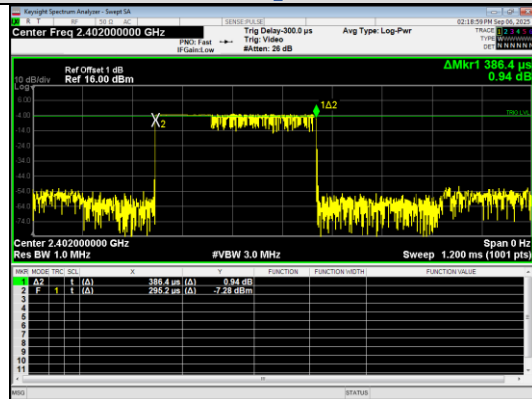




Pulse Width
GFSK_DH5



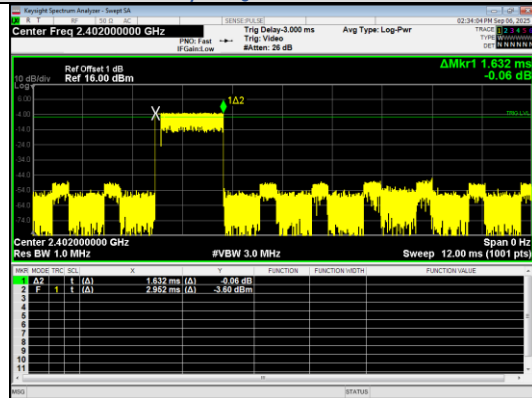
Number of Pulses in 31.6 seconds
GFSK_DH5



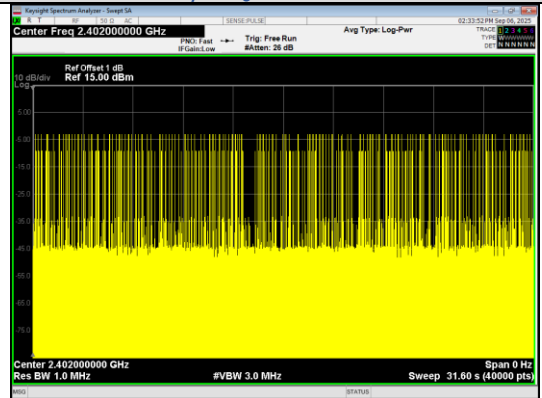
Pulse Width
 $\pi/4$ DQPSK_2-DH1



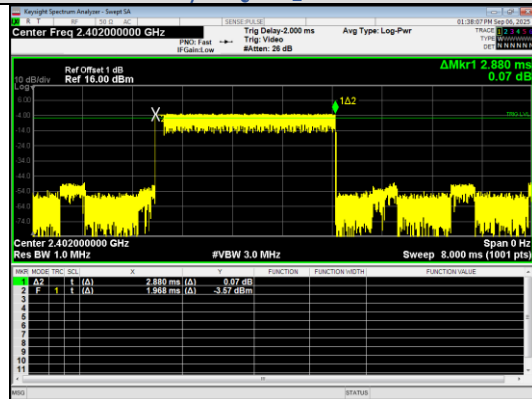
Number of Pulses in 31.6 seconds
 $\pi/4$ DQPSK_2-DH1



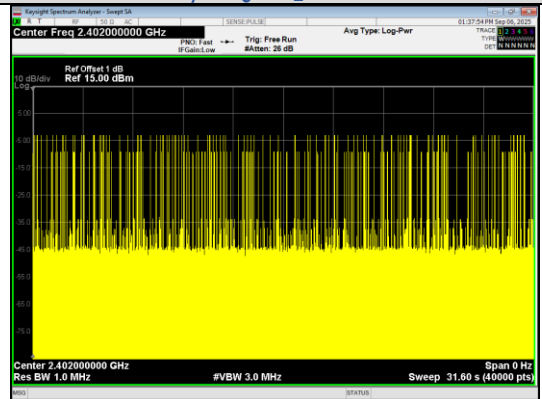
Pulse Width
 $\pi/4$ DQPSK_2-DH3



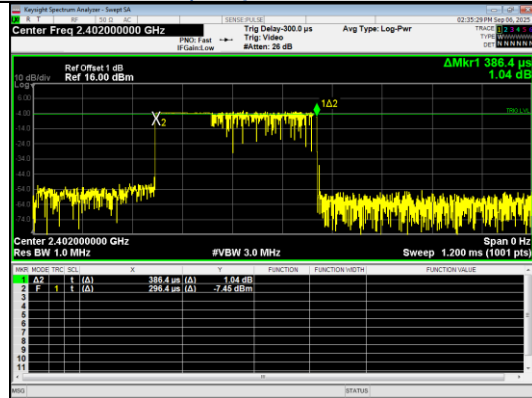
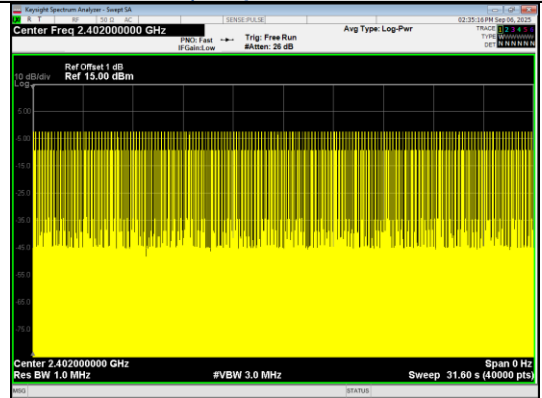
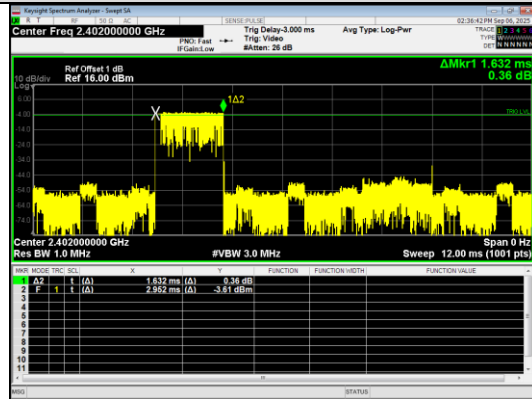
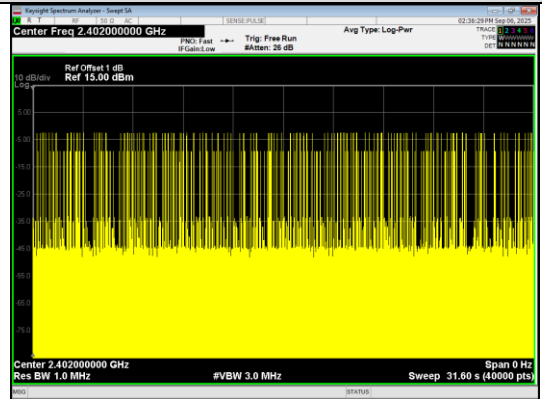
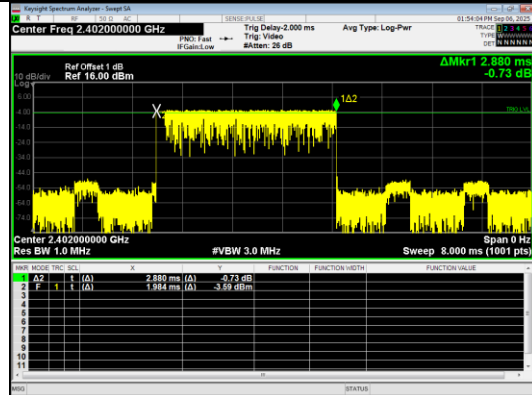
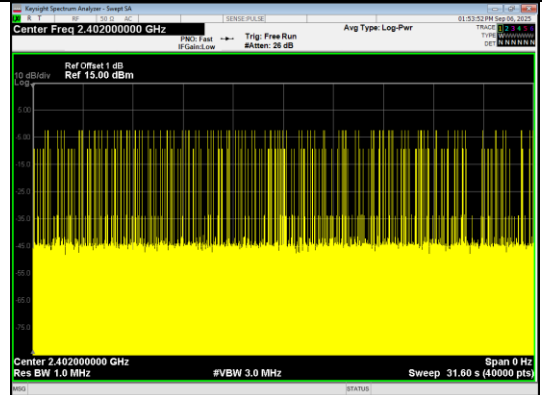
Number of Pulses in 31.6 seconds
 $\pi/4$ DQPSK_2-DH3



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

