

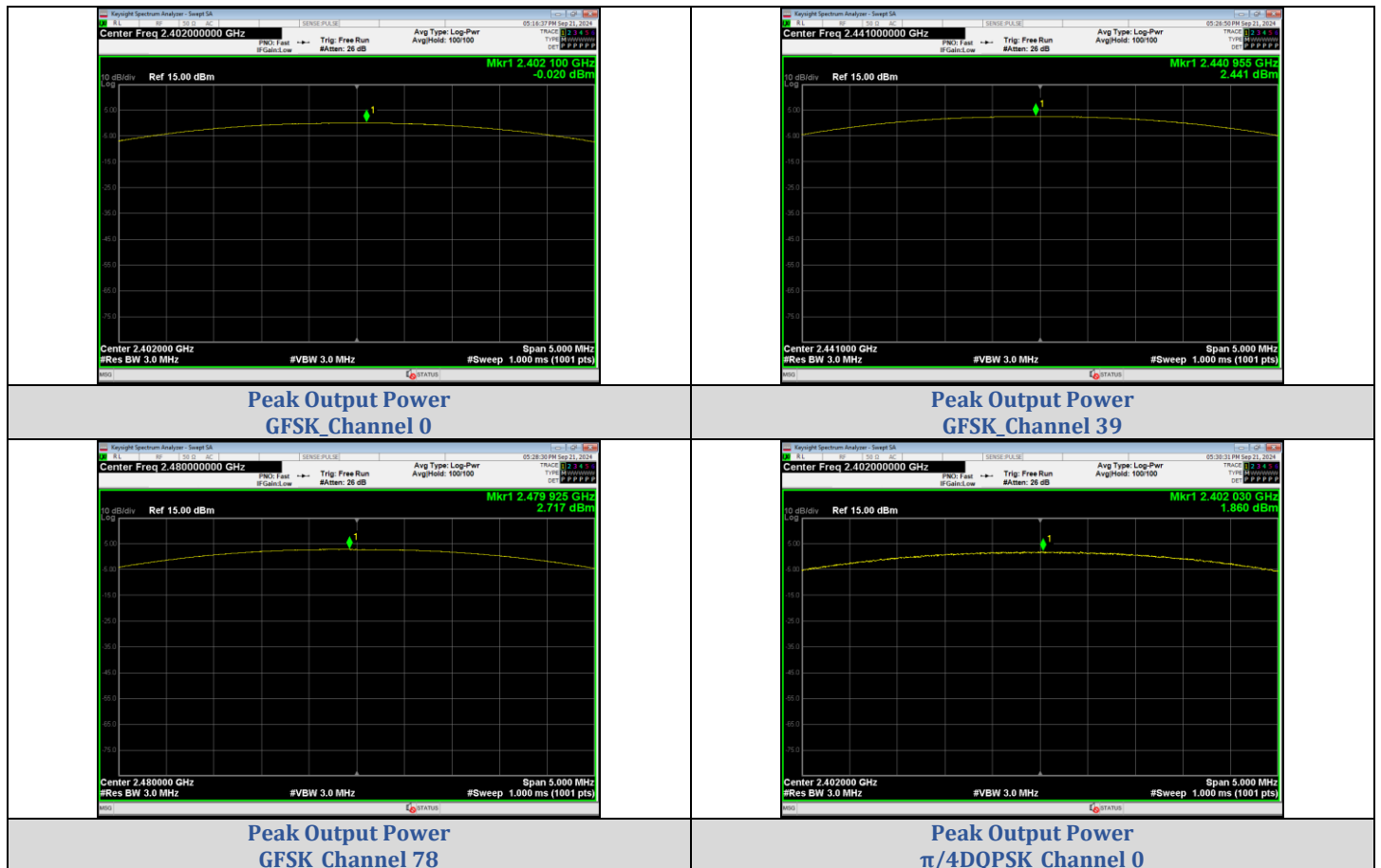


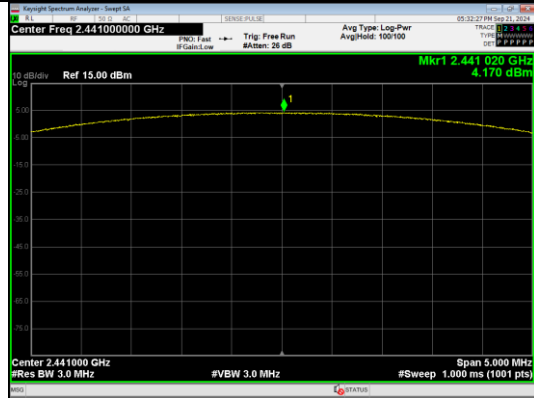
Conducted Output Power

Test Result

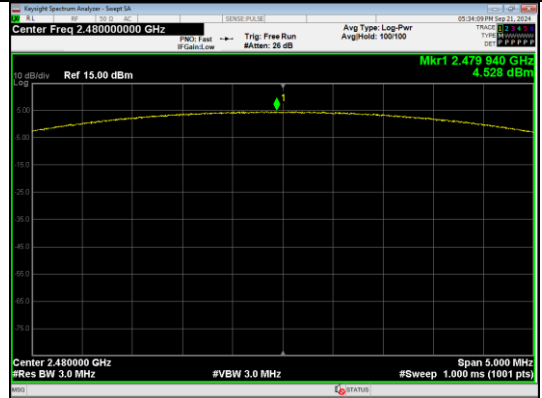
Modulation	Packet Type	Channel	Peak Output Power (dBm)	Peak Output Power (mW)	Max. Avg. Power (dBm)	Limit (dBm)	Result
GFSK	DH5	0	-0.020	0.995	None	≤30	PASS
		39	2.441	1.754	None		PASS
		78	2.717	1.869	None		PASS
$\pi/4$ DQPSK	2-DH5	0	1.860	1.535	None	≤20.97	PASS
		39	4.170	2.612	None		PASS
		78	4.528	2.837	None		PASS
8DPSK	3-DH5	0	2.086	1.617	None		PASS
		39	4.459	2.792	None		PASS
		78	4.739	2.978	None		PASS

Test Graphs

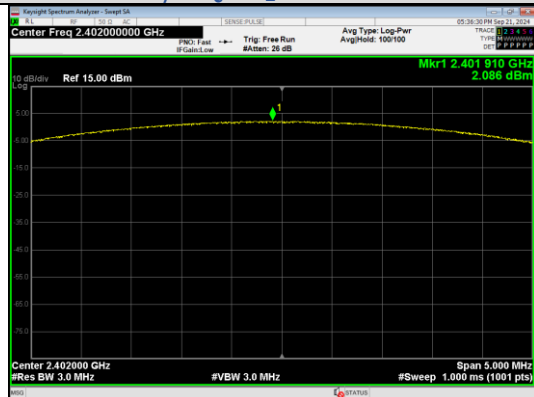




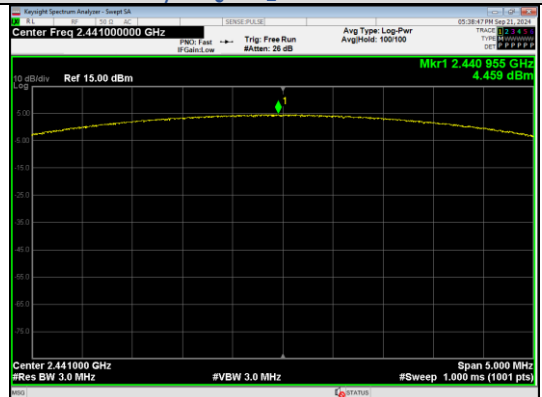
Peak Output Power
 $\pi/4$ DQPSK_Channel 39



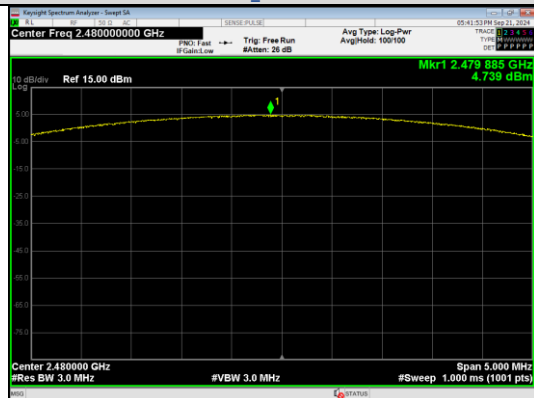
Peak Output Power
 $\pi/4$ DQPSK_Channel 78



Peak Output Power
8DPSK_Channel 0



Peak Output Power
8DPSK_Channel 39



Peak Output Power
8DPSK_Channel 78

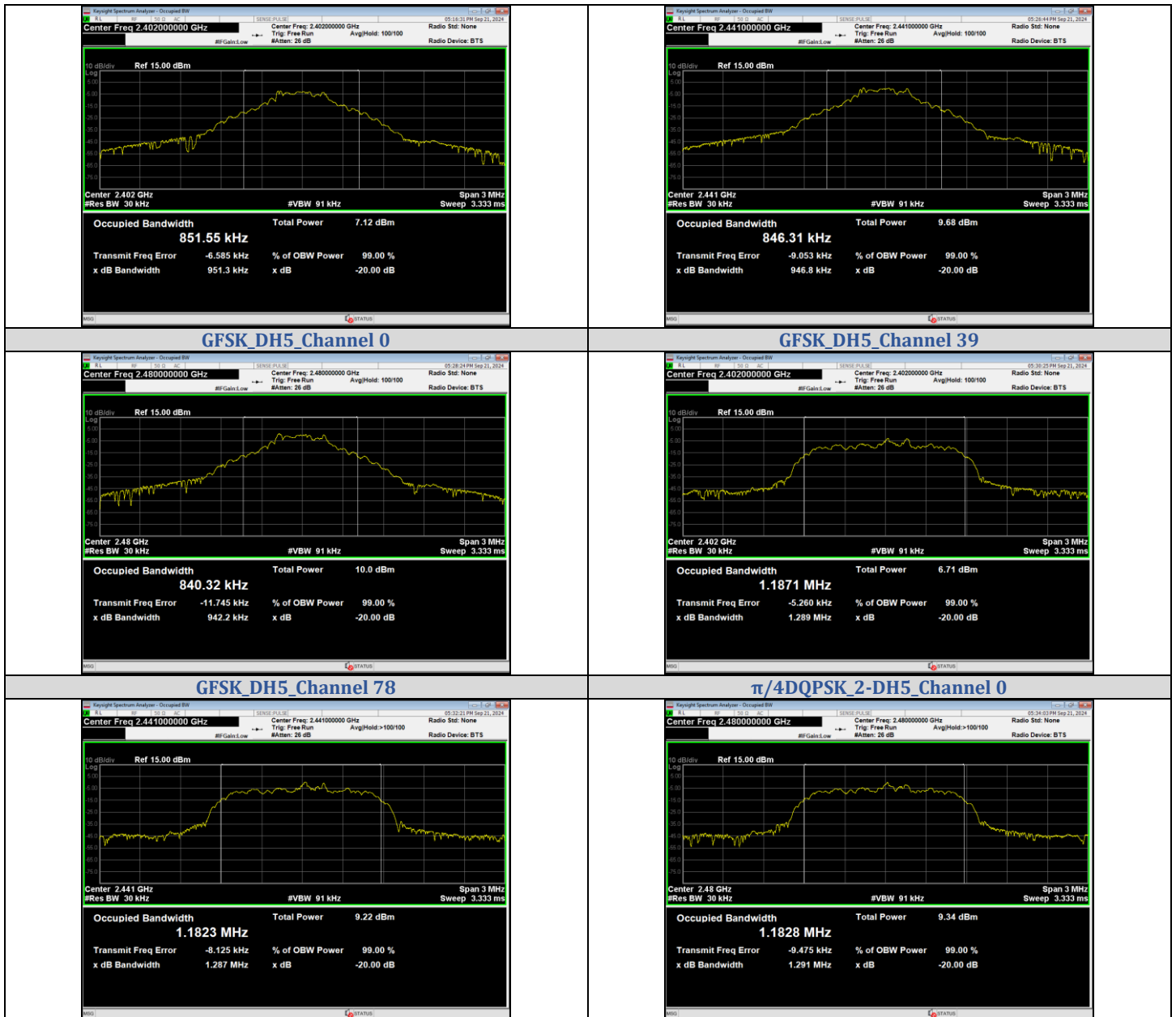


20dB Bandwidth

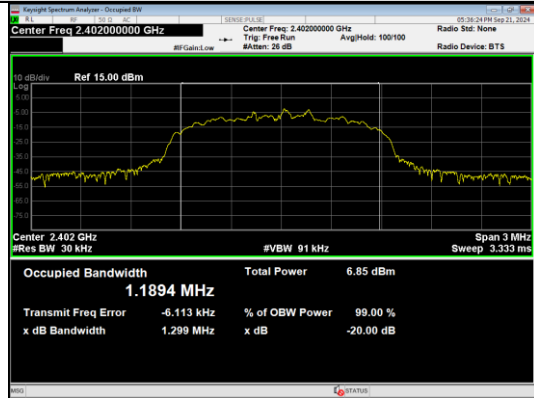
Test Result

Modulation	Channel	Center Frequency (MHz)	20 dB Bandwidth (MHz)
GFSK	0	2402 MHz	0.9513
	39	2441 MHz	0.9468
	78	2480 MHz	0.9422
$\pi/4$ DQPSK	0	2402 MHz	1.289
	39	2441 MHz	1.287
	78	2480 MHz	1.291
8DPSK	0	2402 MHz	1.299
	39	2441 MHz	1.300
	78	2480 MHz	1.295

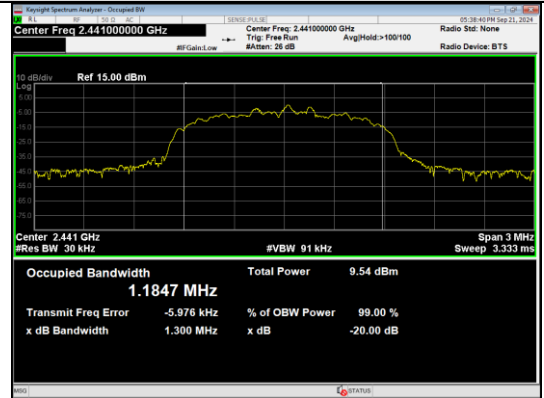
Test Graphs



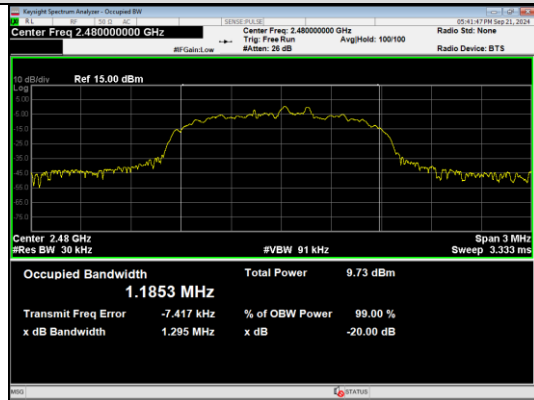
$\pi/4$ DQPSK 2-DH5_Channel 39



$\pi/4$ DQPSK 2-DH5_Channel 78



8DPSK 3-DH5_Channel 0



8DPSK 3-DH5_Channel 39

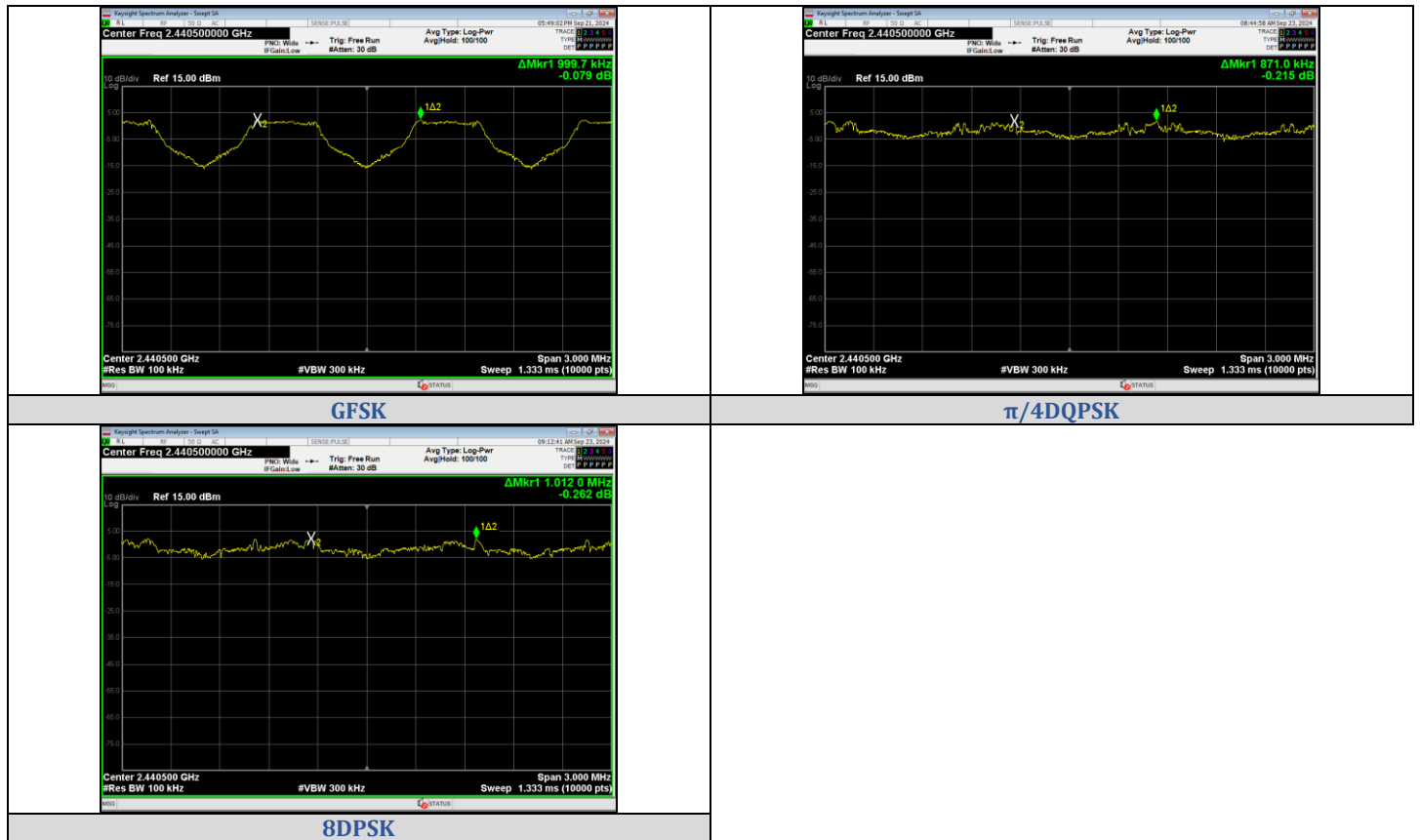
8DPSK 3-DH5_Channel 78

Carrier Frequencies Separation

Test Result

Modulation	Packet	Left Center frequency (MHz)	Right Center frequency (MHz)	Hopping Frequency Separation (MHz)	Limit (MHz)	Result
GFSK	DH5	2439.8293	2440.829	0.9997	0.628	PASS
$\pi/4$ DQPSK	2-DH5	2440.162	2441.033	0.8710	0.861	PASS
8DPSK	3-DH5	2440.1581	2441.1701	1.0120	0.863	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	2400.00	-60.367	-20.36	-40.007	PASS
			4803.76	-65.220	-20.36	-44.860	PASS
			7205.93	-60.445	-20.36	-40.085	PASS
			9608.11	-66.066	-20.36	-45.706	PASS
			24898.2	-50.361	-20.36	-30.001	PASS
		39	4882.42	-65.207	-17.82	-47.387	PASS
			7322.67	-58.615	-17.82	-40.795	PASS
			9764.80	-65.094	-17.82	-47.274	PASS
			24988.8	-49.794	-17.82	-31.974	PASS
		78	2483.50	-61.601	-17.53	-44.071	PASS
			4960.45	-65.476	-17.53	-47.946	PASS
			7440.66	-57.968	-17.53	-40.438	PASS
			9920.24	-66.063	-17.53	-48.533	PASS
			24930.1	-50.264	-17.53	-32.734	PASS
$\pi/4$ DQPSK	2-DH5	0	2400.00	-59.557	-20.45	-39.107	PASS
			4803.76	-64.060	-20.45	-43.610	PASS
			7206.56	-61.111	-20.45	-40.660	PASS
			9608.11	-66.356	-20.45	-45.906	PASS
			24950.7	-50.054	-20.45	-29.604	PASS
		39	4881.17	-65.231	-17.98	-47.251	PASS
			7322.05	-61.746	-17.98	-43.766	PASS
			9764.80	-67.620	-17.98	-49.640	PASS
			24870.8	-50.757	-17.98	-32.777	PASS
		78	2483.50	-60.194	-17.72	-42.474	PASS
			4959.20	-65.706	-17.72	-47.986	PASS
			7439.41	-57.938	-17.72	-40.218	PASS
			9920.86	-66.579	-17.72	-48.859	PASS
			24682.9	-50.759	-17.72	-33.039	PASS
8DPSK	3-DH5	0	2400.00	-57.938	-20.32	-37.618	PASS
			4804.38	-65.852	-20.32	-45.532	PASS
			7206.56	-61.813	-20.32	-41.493	PASS
			9608.11	-66.230	-20.32	-45.910	PASS
			24486.2	-50.807	-20.32	-30.487	PASS
		39	4881.17	-64.843	-17.82	-47.023	PASS
			7322.05	-61.627	-17.82	-43.807	PASS
			9764.80	-66.506	-17.82	-48.686	PASS
			24976.3	-50.258	-17.82	-32.438	PASS
		78	2483.50	-60.934	-17.53	-43.404	PASS
			4960.45	-63.997	-17.53	-46.467	PASS
			7440.03	-58.979	-17.53	-41.449	PASS
			9920.24	-65.747	-17.53	-48.217	PASS
			24897.0	-50.557	-17.53	-33.027	PASS

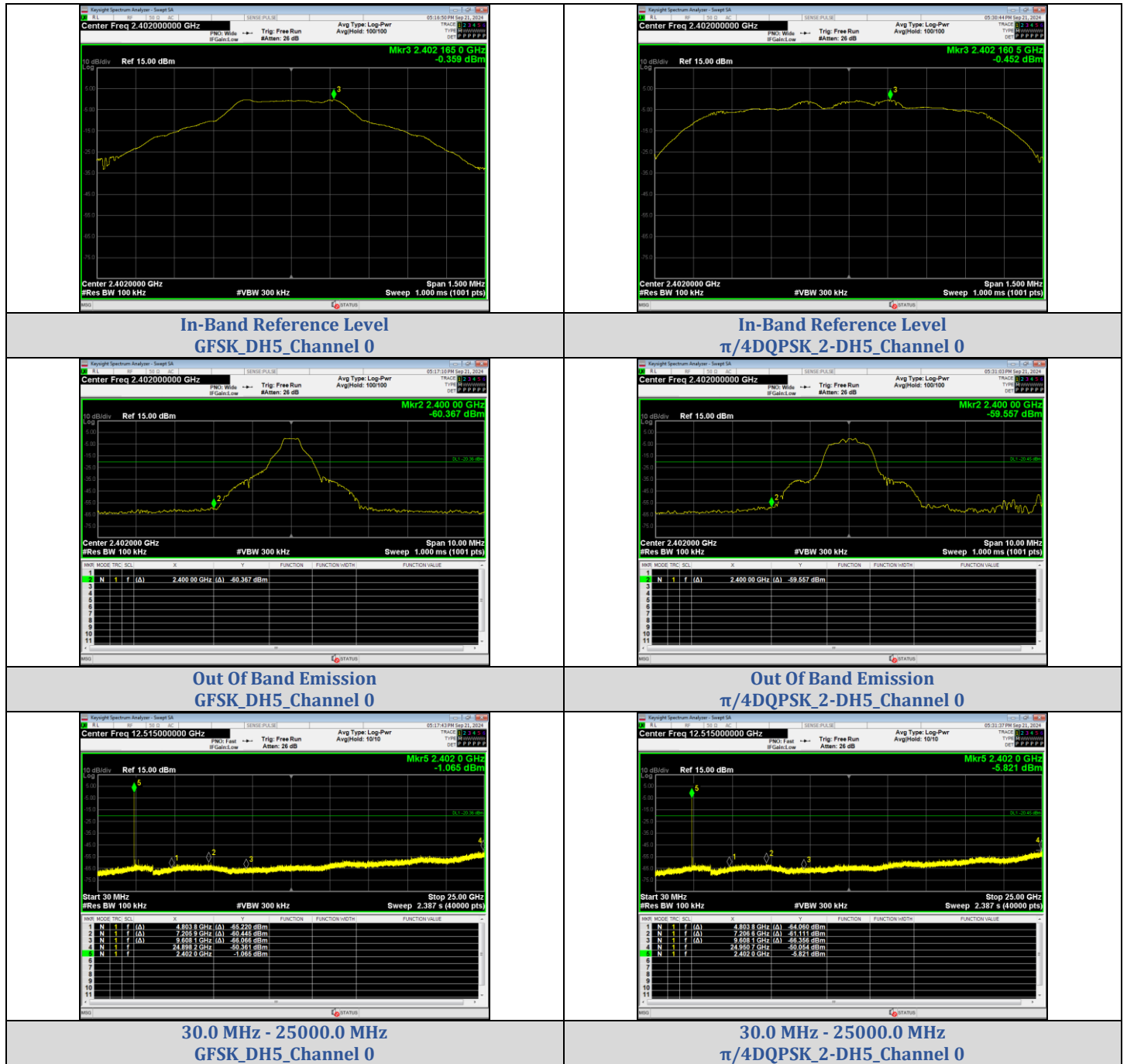
Hopping

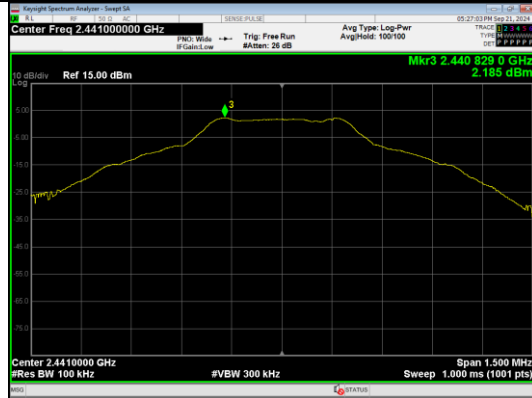
Modulation	Packet	Channel	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result
GFSK	DH5	Hopping	2400.00	-60.409	-20.17	-40.239	PASS



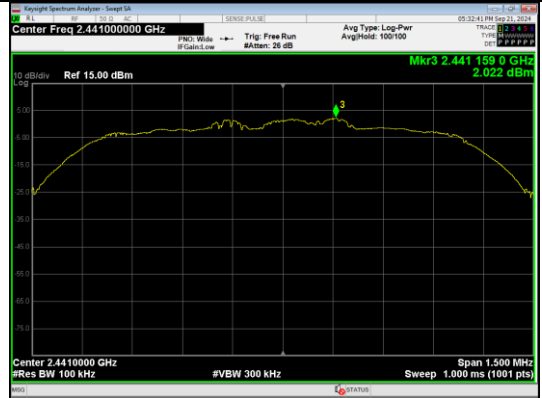
$\pi/4$ DQPSK	2-DH5		2483.50	-62.215	-17.35	-44.865	PASS
			2400.00	-58.930	-20.6	-38.330	PASS
			2483.50	-60.836	-17.93	-42.906	PASS
8DPSK	3-DH5		2400.00	-59.207	-20.33	-38.877	PASS
			2483.50	-61.572	-17.58	-43.992	PASS

Test Graphs

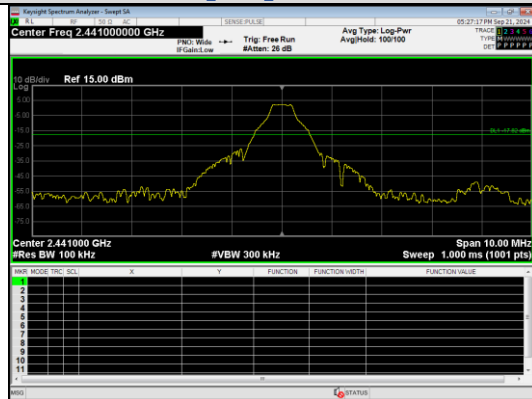




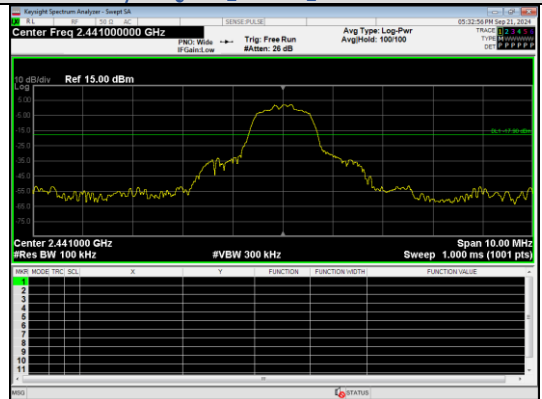
In-Band Reference Level
GFSK_DH5_Channel 39



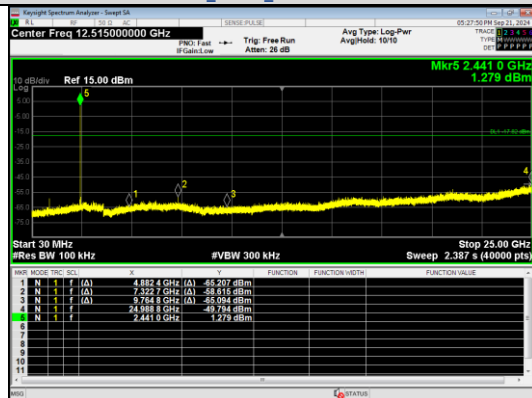
In-Band Reference Level
 $\pi/4$ DQPSK_2-DH5_Channel 39



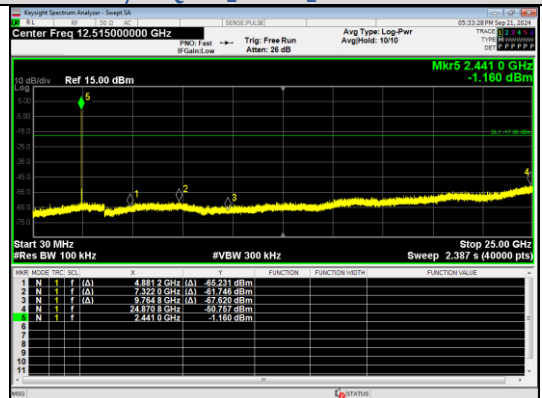
Out Of Band Emission
GFSK_DH5_Channel 39



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

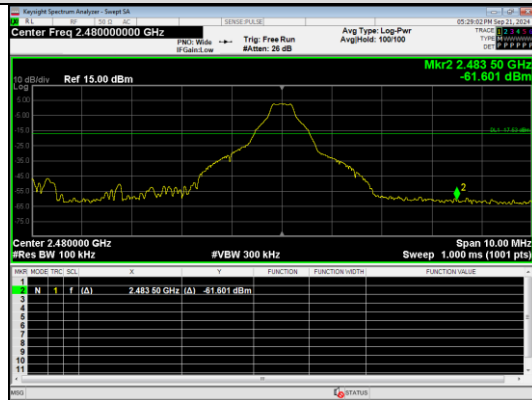
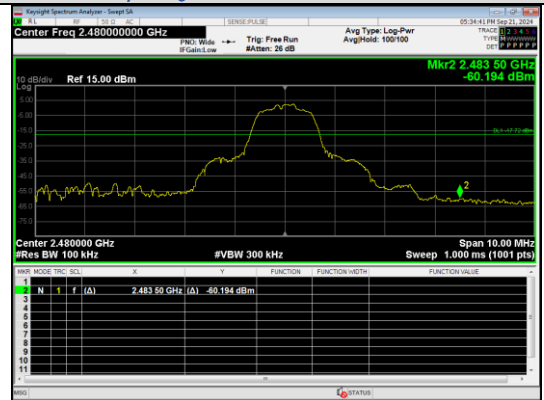
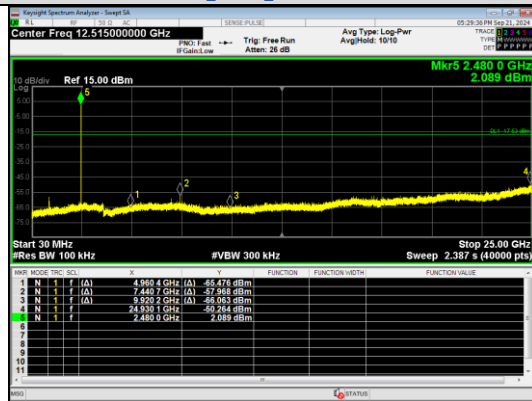
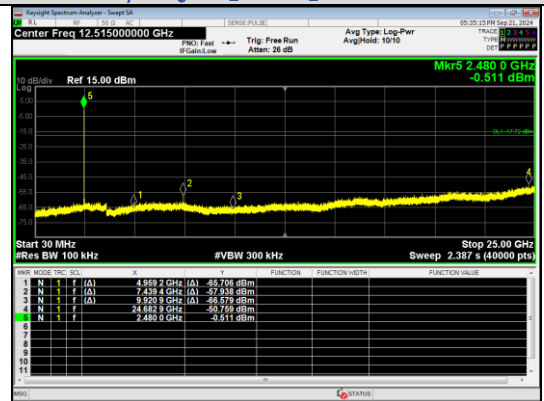


In-Band Reference Level

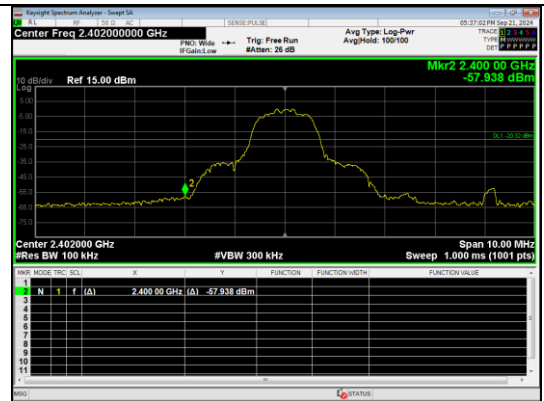


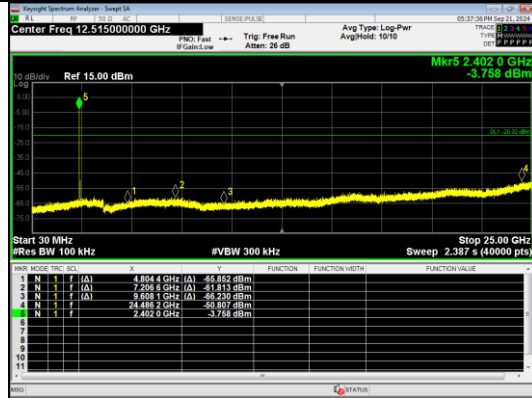
In-Band Reference Level

GFSK_DH5_Channel 78

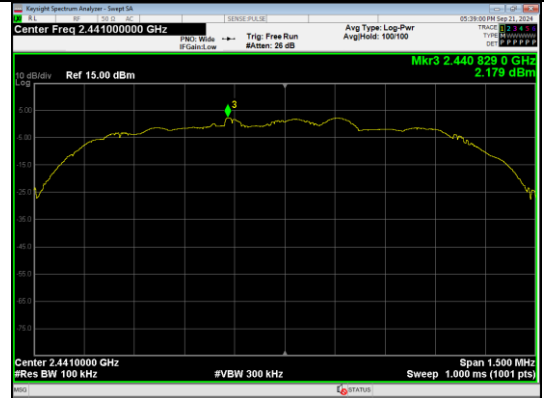

 $\pi/4$ DQPSK_2-DH5_Channel 78

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

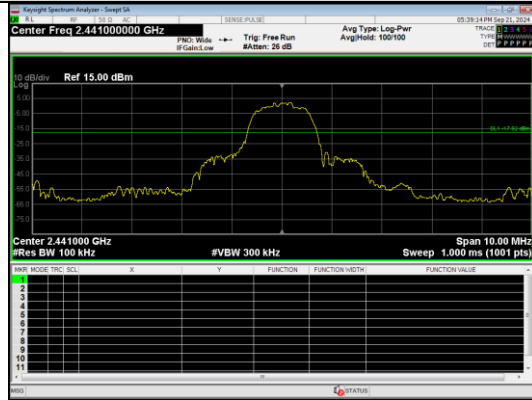
In-Band Reference Level
8DPSK_3-DH5_Channel 0

Out Of Band Emission
8DPSK_3-DH5_Channel 0



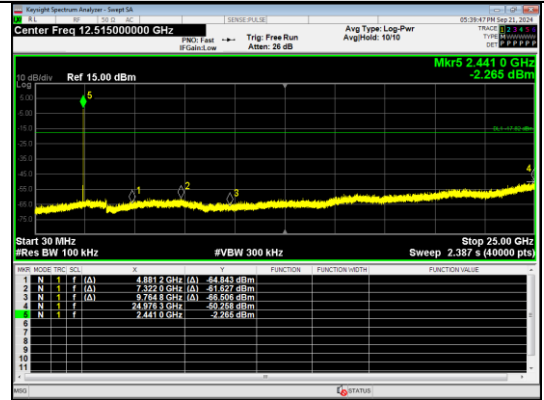
30.0 MHz - 25000.0 MHz
8DPSK_3-DH5_Channel 0



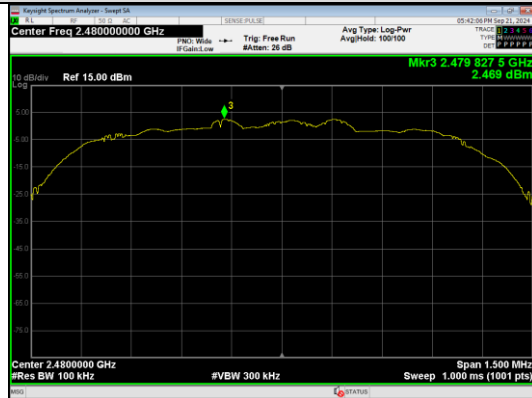
In-Band Reference Level
8DPSK_3-DH5_Channel 39



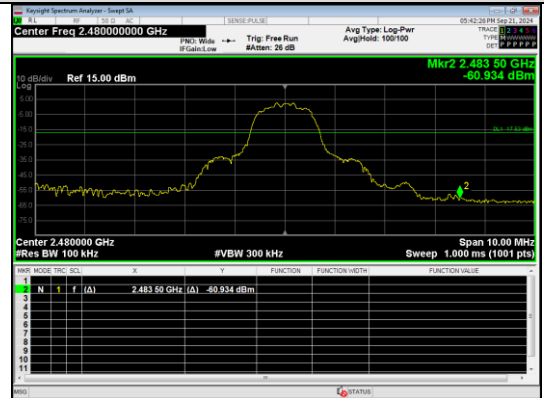
Out Of Band Emission
8DPSK_3-DH5_Channel 39



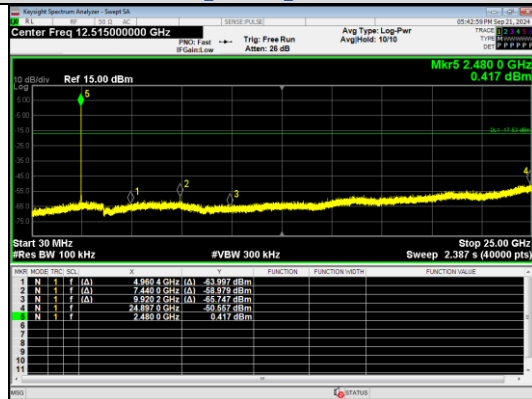
30.0 MHz - 25000.0 MHz
8DPSK_3-DH5_Channel 39



In-Band Reference Level
8DPSK_3-DH5_Channel 78

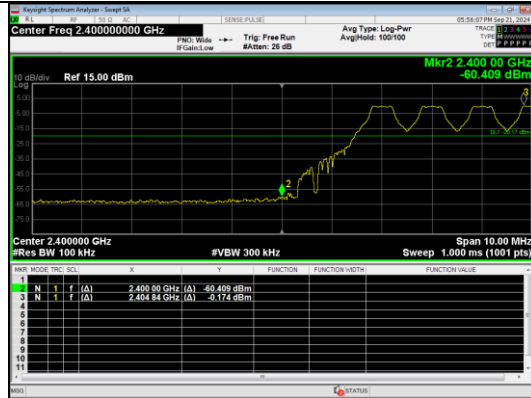


Out Of Band Emission
8DPSK_3-DH5_Channel 78

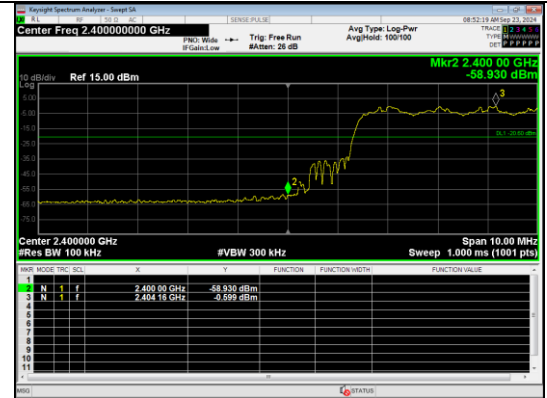


30.0 MHz - 25000.0 MHz

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



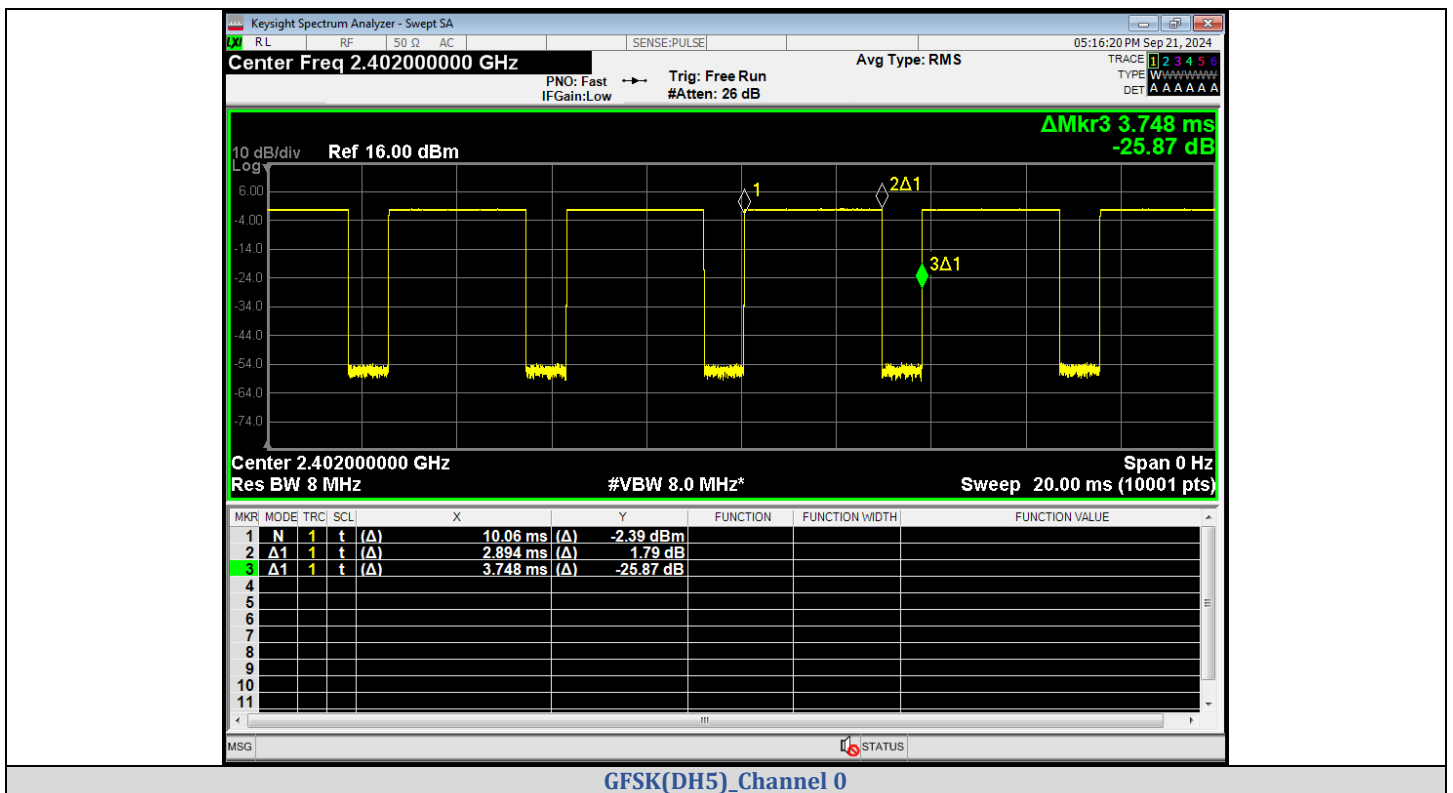
Out Of Band Emission(Right)
8DPSK_3-DH5_Channel Hopping

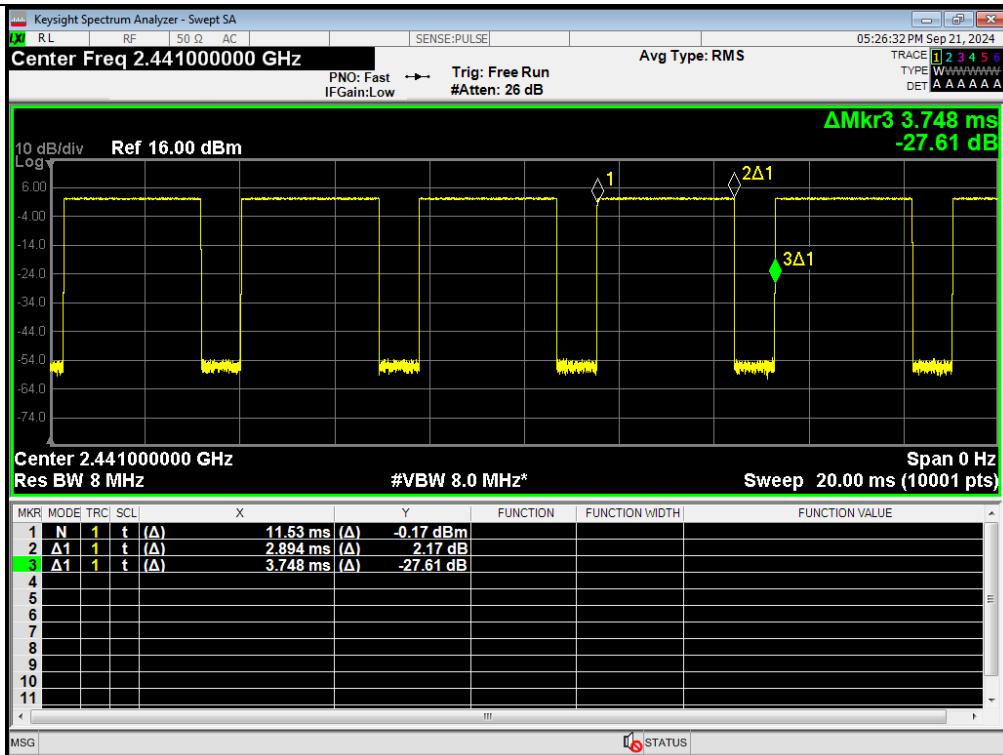
Duty Cycle

Test Result

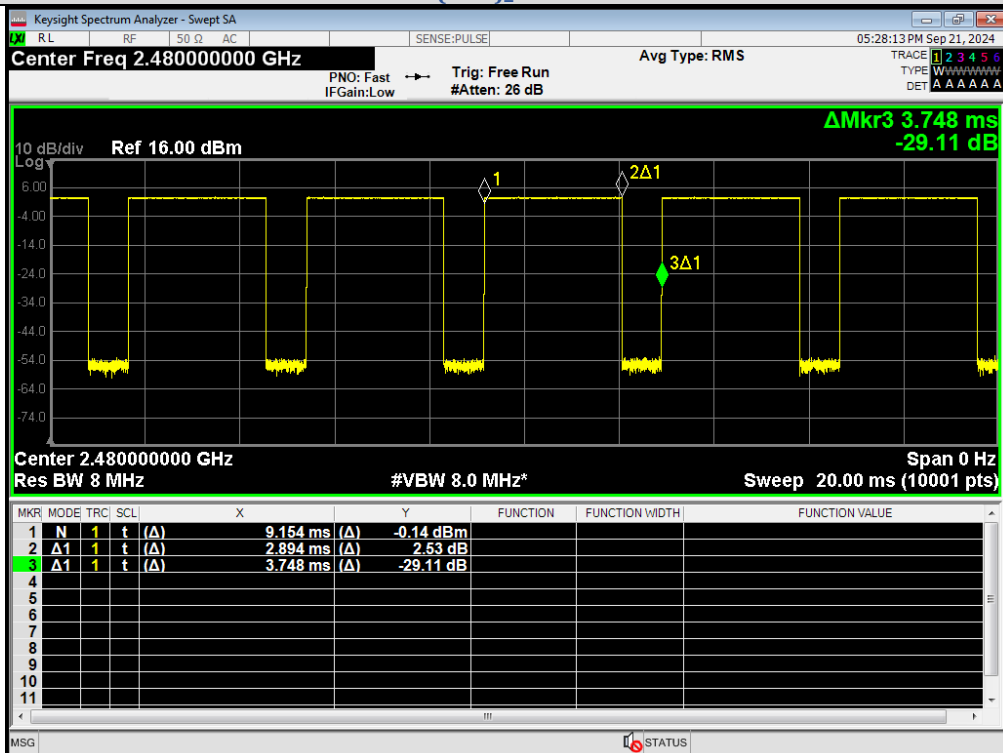
Modulation	Packets	Channel	On Time (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle (linear)	Duty Cycle Factor (dB)
GFSK	DH5	0	2.894	3.748	77.21	0.7721	1.1233
		39	2.894	3.748	77.21	0.7721	1.1233
		78	2.894	3.748	77.21	0.7721	1.1233
$\pi/4$ DQPSK	2-DH5	0	2.884	3.748	76.95	0.7695	1.1379
		39	2.884	3.748	76.95	0.7695	1.1379
		78	2.884	3.748	76.95	0.7695	1.1379
8DPSK	3-DH5	0	2.882	3.748	76.89	0.7689	1.1413
		39	2.882	3.748	76.89	0.7689	1.1413
		78	2.882	3.748	76.89	0.7689	1.1413

Test Graphs

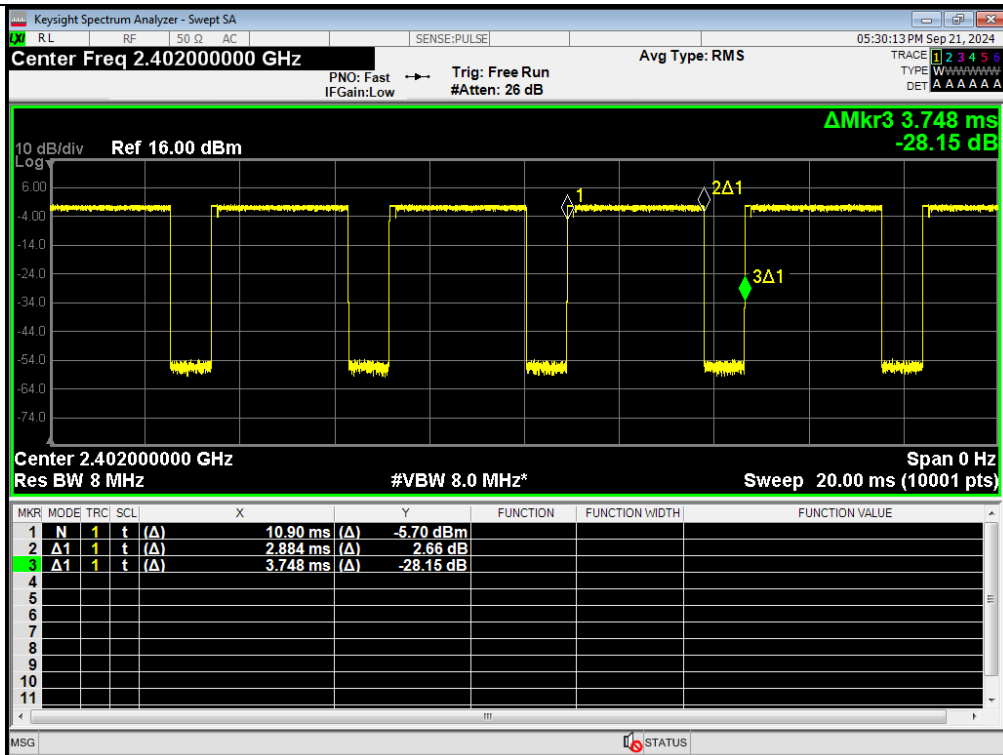




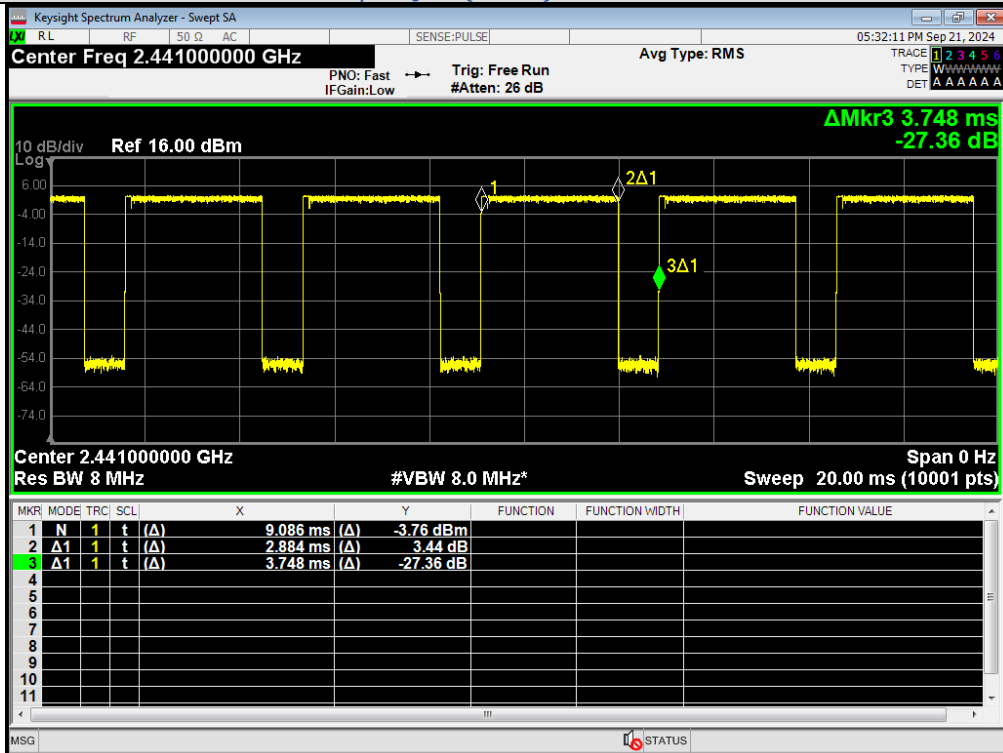
GFSK(DH5)_Channel 39



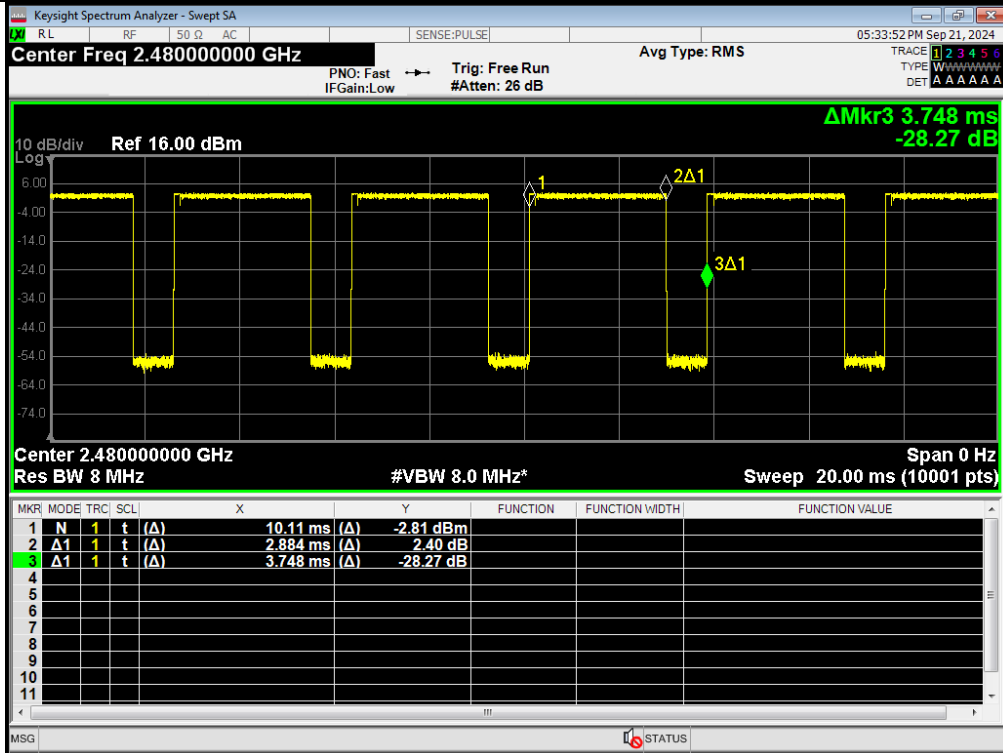
GFSK(DH5)_Channel 78



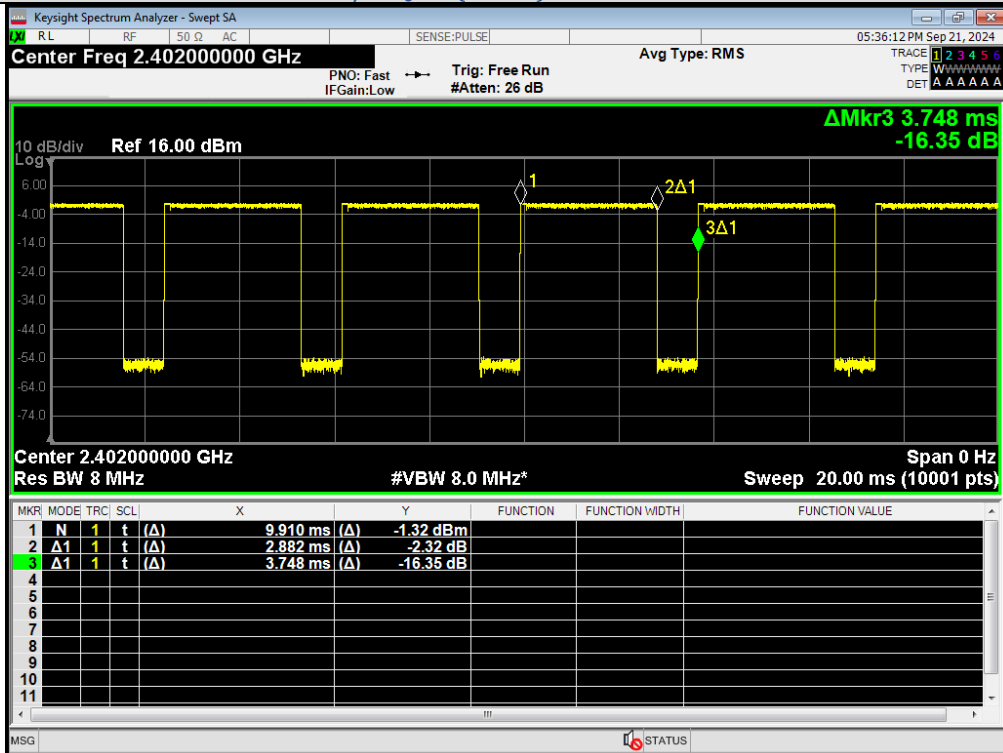
$\pi/4$ DQPSK(2-DH5)_Channel 0



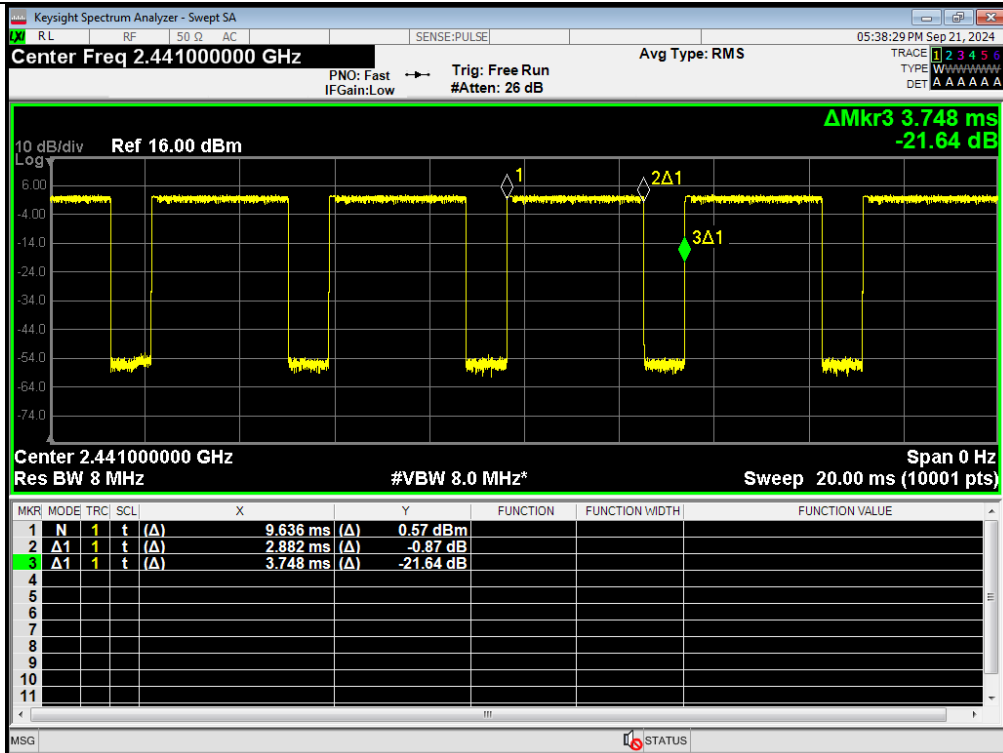
$\pi/4$ DQPSK(2-DH5)_Channel 39



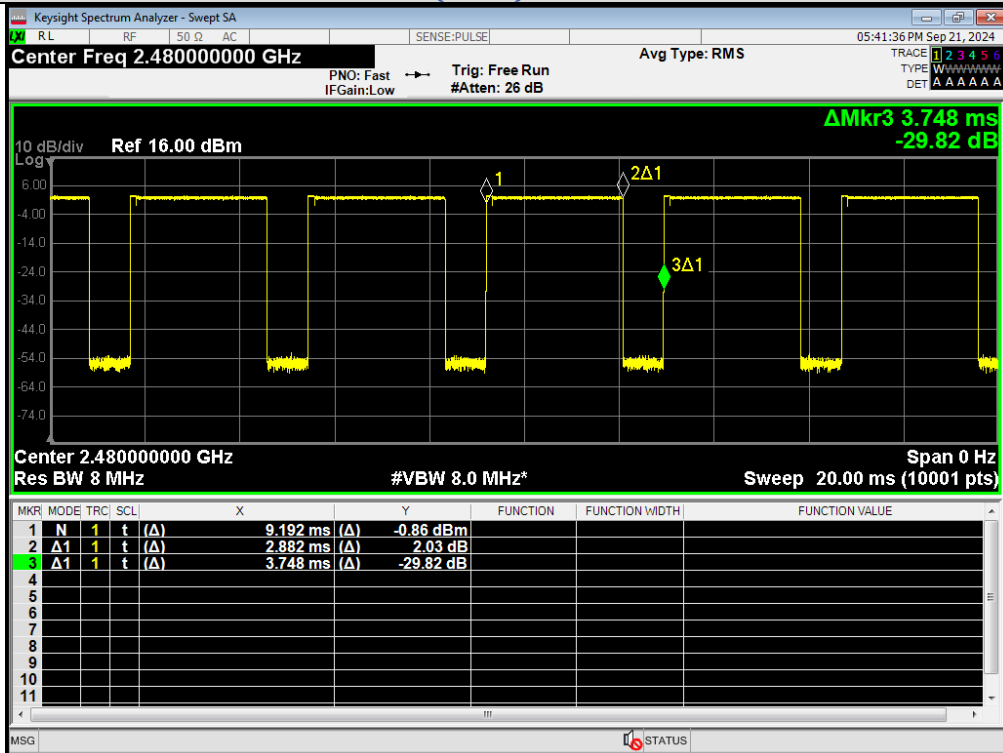
$\pi/4$ DQPSK(2-DH5)_Channel 78



8DPSK(3-DH5)_Channel 0



8DPSK(3-DH5)_Channel 39



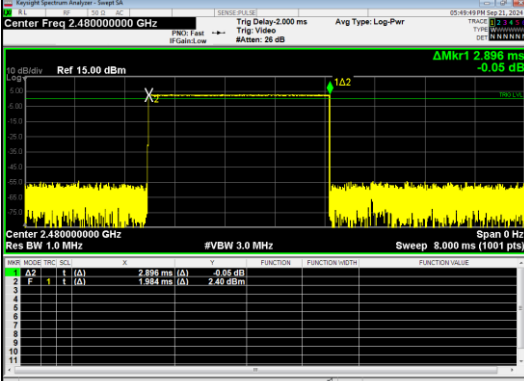
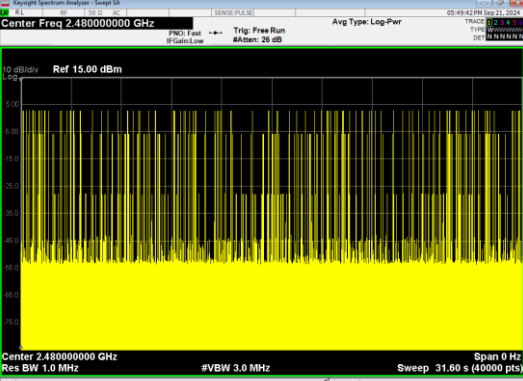
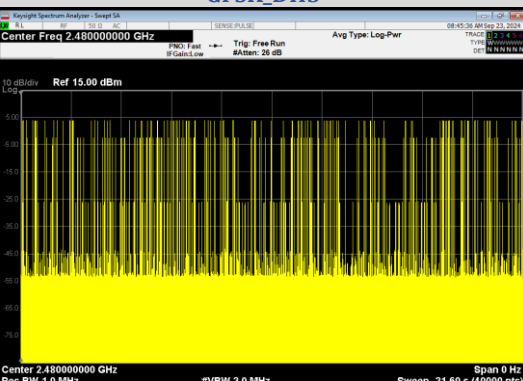
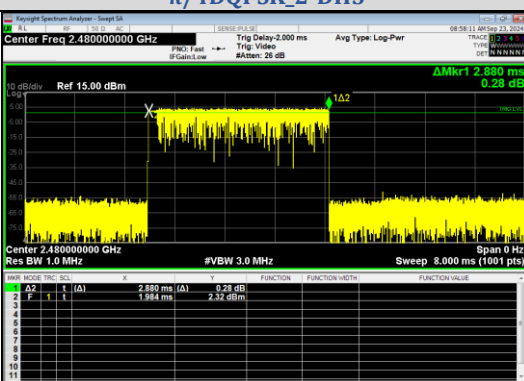
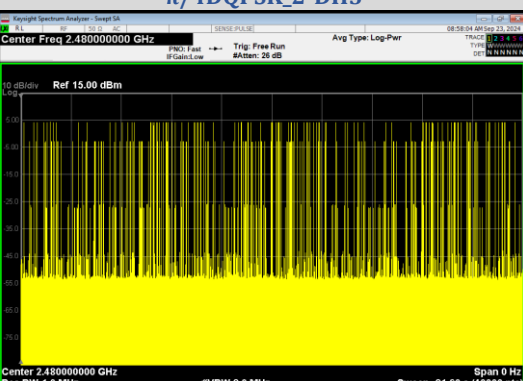
8DPSK(3-DH5)_Channel 78

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)	2.896	99	286.7	< 400	PASS
$\pi/4$ DQPSK	2-DH5		2.880	115	331.2		PASS
8DPSK	3-DH5		2.880	105	302.4		PASS

Test Graphs

 Pulse Width GFSK_DH5	 Number of Pulses in 31.6 seconds GFSK_DH5
 Pulse Width $\pi/4$DQPSK_2-DH5	 Number of Pulses in 31.6 seconds $\pi/4$DQPSK_2-DH5
 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

