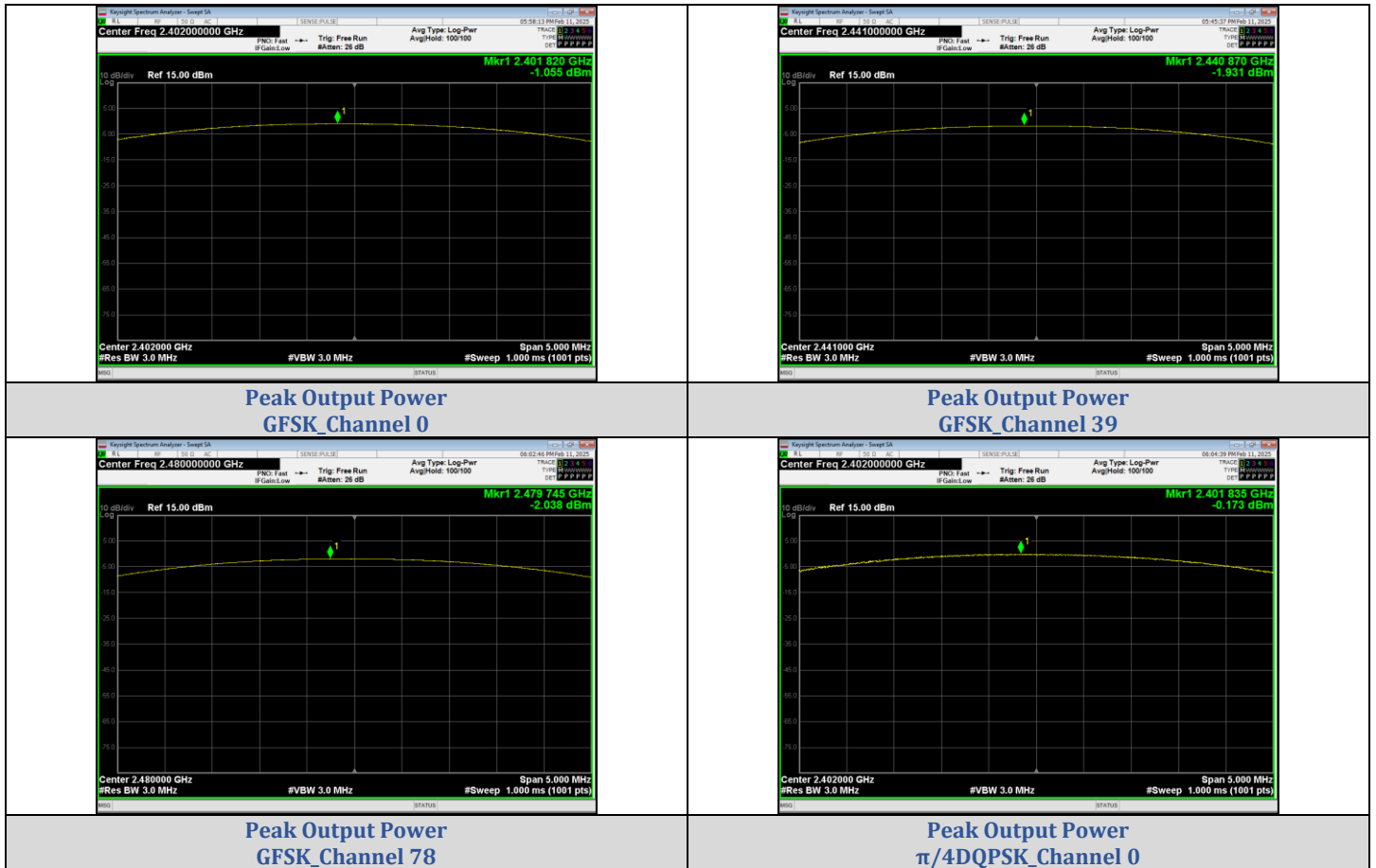


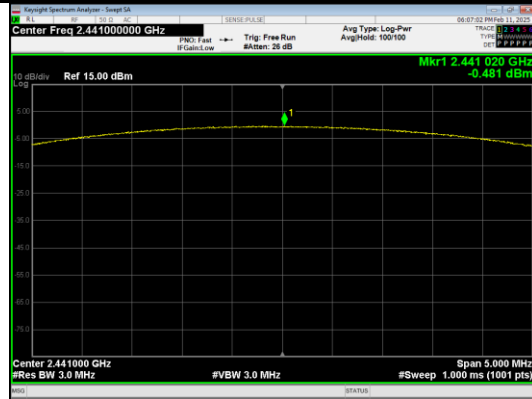
Conducted Output Power

Test Result

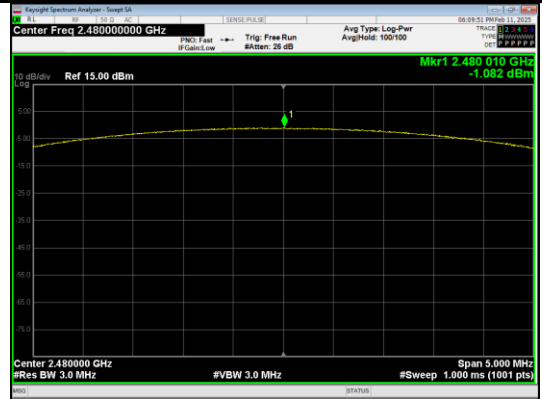
Modulation	Packet Type	Channel	Peak Output Power (dBm)	Peak Output Power (mW)	Max. Avg. Power (dBm)	Limit (dBm)	Result
GFSK	DH5	0	-1.055	0.784	None	≤30	PASS
		39	-1.931	0.641	None		PASS
		78	-2.038	0.625	None		PASS
$\pi/4$ DQPSK	2-DH5	0	-0.173	0.961	None	≤20.97	PASS
		39	-0.481	0.895	None		PASS
		78	-1.082	0.779	None		PASS
8DPSK	3-DH5	0	-1.026	0.790	None		PASS
		39	-2.295	0.590	None		PASS
		78	-1.949	0.638	None		PASS

Test Graphs

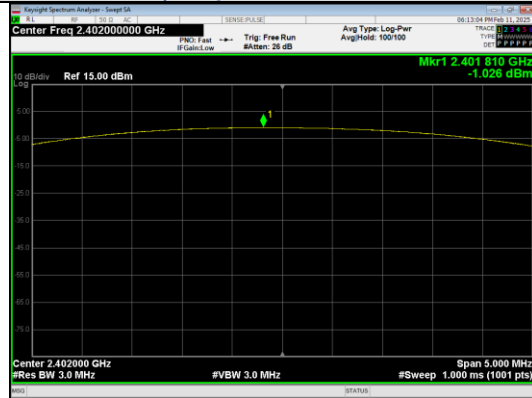




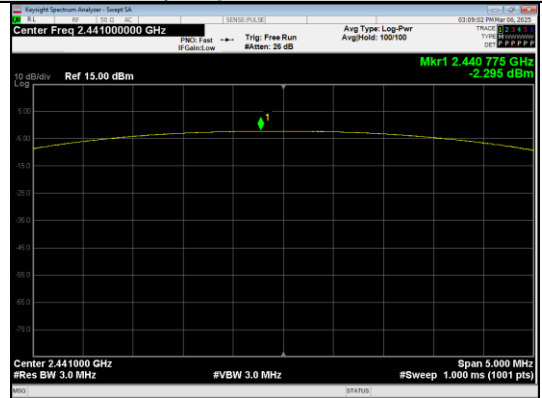
Peak Output Power
 $\pi/4$ DQPSK_Channel 39



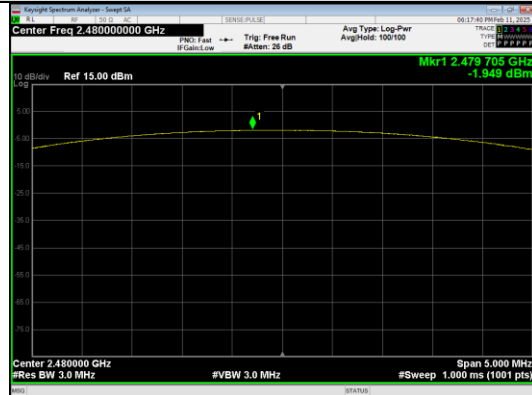
Peak Output Power
 $\pi/4$ DQPSK_Channel 78



Peak Output Power
8DPSK_Channel 0



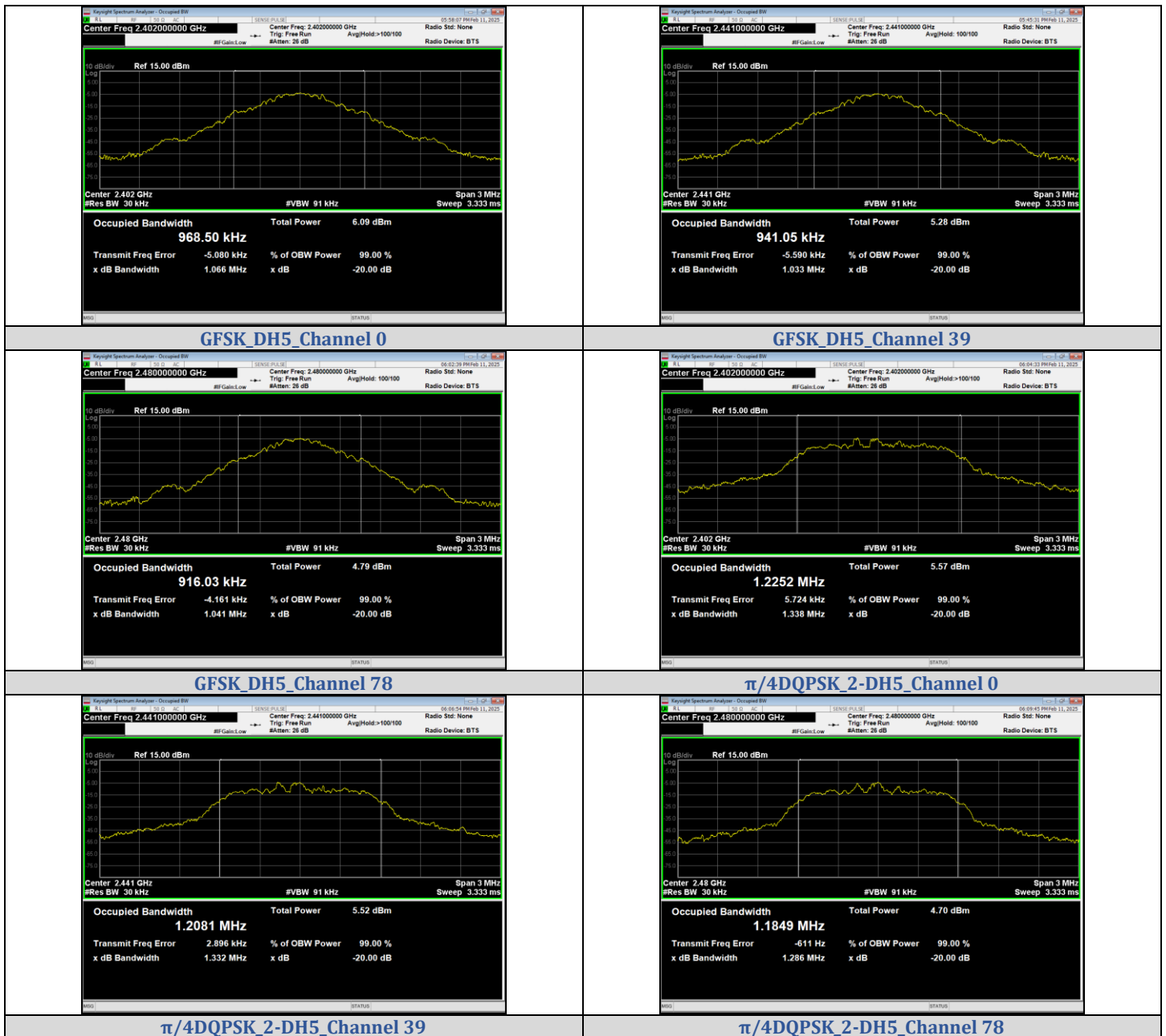
Peak Output Power
8DPSK_Channel 39

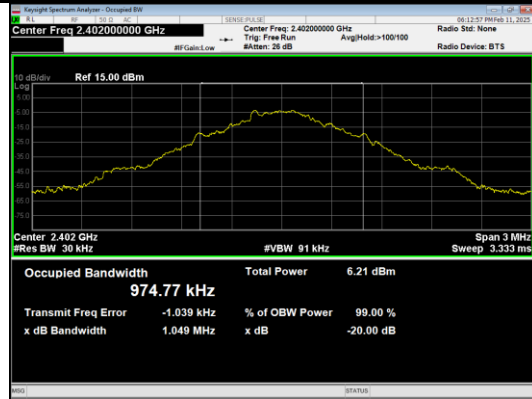


Peak Output Power
8DPSK_Channel 78

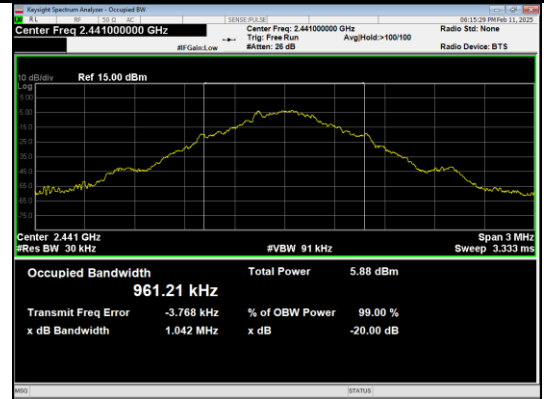
**20dB Bandwidth****Test Result**

Modulation	Channel	Center Frequency (MHz)	20 dB Bandwidth (MHz)
GFSK	0	2402 MHz	1.066
	39	2441 MHz	1.033
	78	2480 MHz	1.041
$\pi/4$ DQPSK	0	2402 MHz	1.338
	39	2441 MHz	1.332
	78	2480 MHz	1.286
8DPSK	0	2402 MHz	1.049
	39	2441 MHz	1.042
	78	2480 MHz	1.031

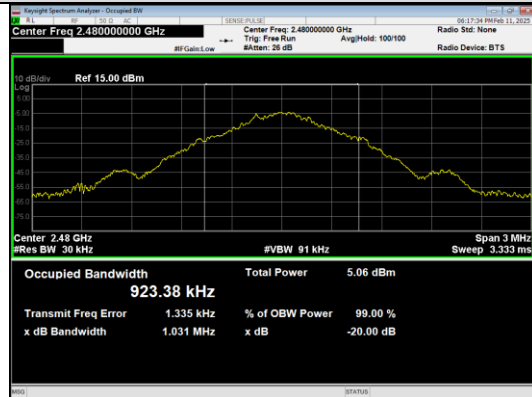
Test Graphs



8DPSK_3-DH5_Channel 0



8DPSK_3-DH5_Channel 39



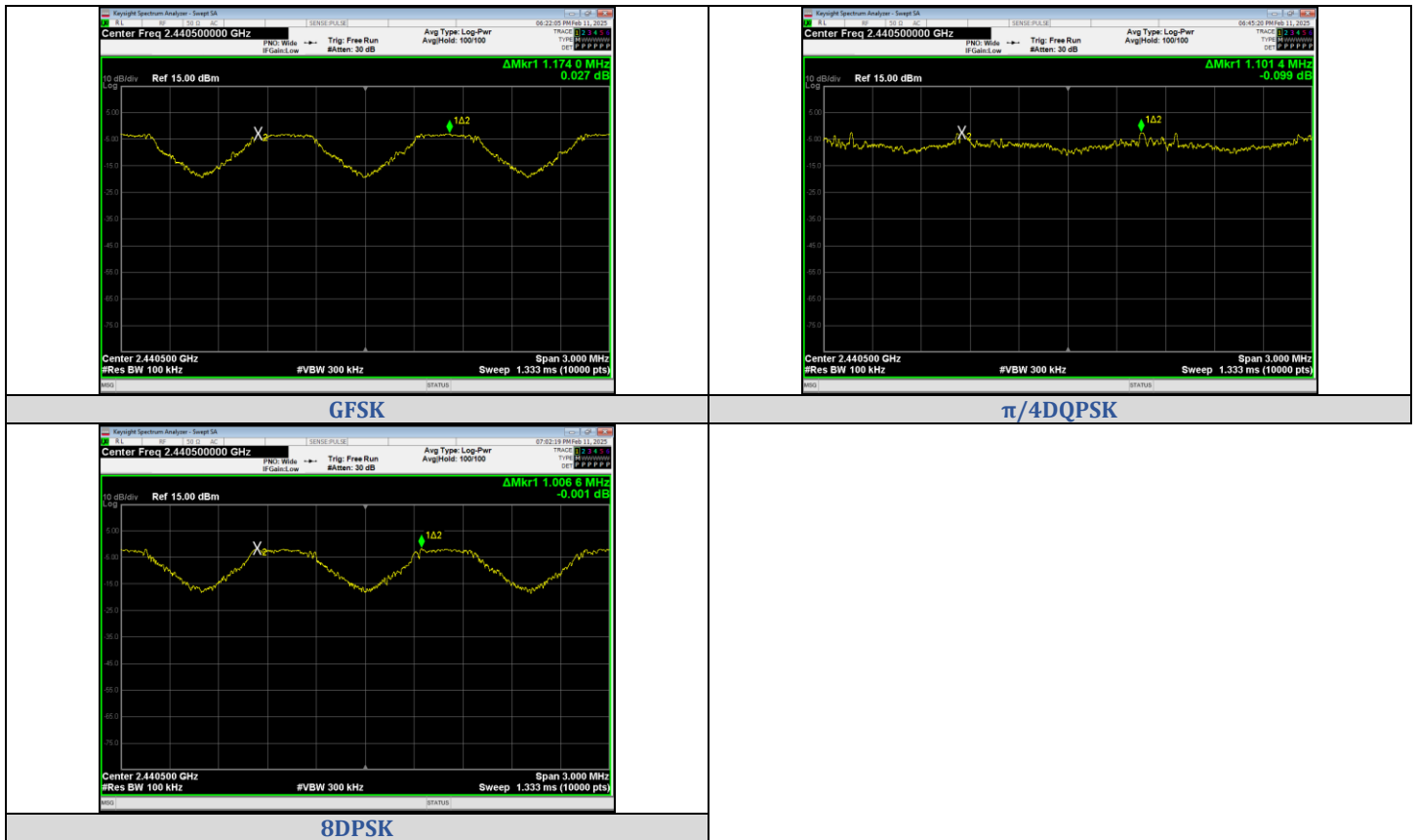
8DPSK_3-DH5_Channel 78

Carrier Frequencies Separation

Test Result

Modulation	Packet	Left Center frequency (MHz)	Right Center frequency (MHz)	Hopping Frequency Separation (MHz)	Limit (MHz)	Result
GFSK	DH5	2439.8419	2441.0159	1.1740	0.694	PASS
$\pi/4$ DQPSK	2-DH5	2439.8479	2440.9493	1.1014	0.857	PASS
8DPSK	3-DH5	2439.8365	2440.8431	1.0066	0.687	PASS

Test Graphs



Conducted Out Of Band Emission

Test Result

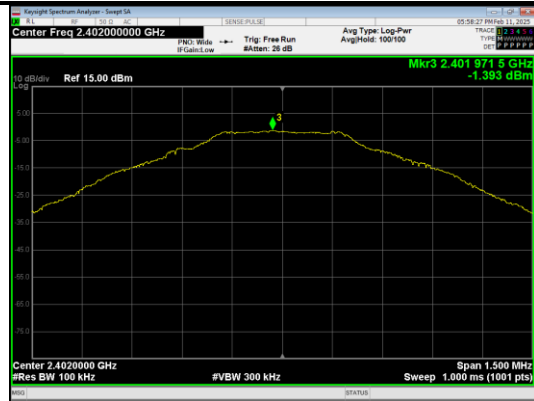
Non-Hopping

Modulation	Packet	Channel	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result
GFSK	DH5	0	2400.00	-52.193	-21.39	-30.803	PASS
			4803.76	-39.871	-21.39	-18.481	PASS
			7205.93	-54.019	-21.39	-32.629	PASS
			9608.11	-37.283	-21.39	-15.893	PASS
		39	4881.79	-40.544	-22.22	-18.324	PASS
			7323.30	-48.347	-22.22	-26.127	PASS
			9764.17	-50.298	-22.22	-28.078	PASS
			2483.50	-62.813	-22.36	-40.453	PASS
		78	4959.83	-41.093	-22.36	-18.733	PASS
			7440.03	-52.612	-22.36	-30.252	PASS
			9920.24	-38.431	-22.36	-16.071	PASS
			2400.00	-51.839	-21.4	-30.439	PASS
$\pi/4$ DQPSK	2-DH5	0	4803.76	-39.821	-21.4	-18.421	PASS
			7205.93	-53.844	-21.4	-32.444	PASS
			9608.11	-36.279	-21.4	-14.879	PASS
		39	4881.79	-40.141	-21.79	-18.351	PASS
			7322.67	-55.761	-21.79	-33.971	PASS
			9764.17	-38.230	-21.79	-16.440	PASS
		78	2483.50	-62.871	-22.32	-40.551	PASS
			4959.83	-41.238	-22.32	-18.918	PASS
			7440.03	-55.309	-22.32	-32.989	PASS
			9920.24	-37.669	-22.32	-15.349	PASS
8DPSK	3-DH5	0	2400.00	-51.070	-21.34	-29.730	PASS
			4803.76	-39.680	-21.34	-18.340	PASS
			7205.93	-51.471	-21.34	-30.131	PASS
			9608.11	-37.562	-21.34	-16.222	PASS
		39	4881.79	-39.788	-21.6	-18.188	PASS
			7323.30	-53.733	-21.6	-32.133	PASS
			9764.17	-39.592	-21.6	-17.992	PASS
		78	2483.50	-63.377	-22.28	-41.097	PASS
			4959.83	-40.693	-22.28	-18.413	PASS
			7440.03	-52.738	-22.28	-30.458	PASS
			9920.24	-38.484	-22.28	-16.204	PASS

Hopping

Modulation	Packet	Channel	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result
GFSK	DH5	Hopping	2400.00	-56.691	-21.07	-35.621	PASS
			2483.50	-60.959	-22.25	-38.709	PASS
$\pi/4$ DQPSK	2-DH5		2400.00	-57.187	-21.27	-35.917	PASS
			2483.50	-61.831	-22.34	-39.491	PASS
8DPSK	3-DH5		2400.00	-55.987	-21.43	-34.557	PASS
			2483.50	-60.891	-22.09	-38.801	PASS

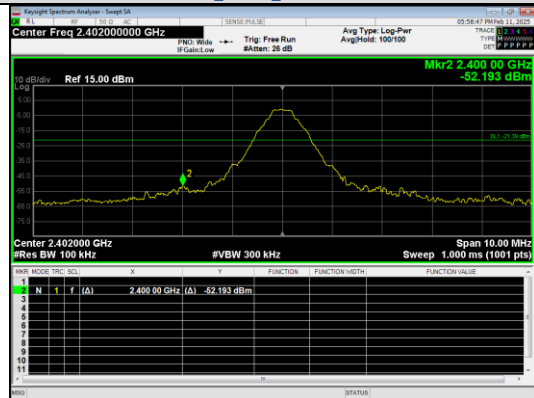
Test Graphs



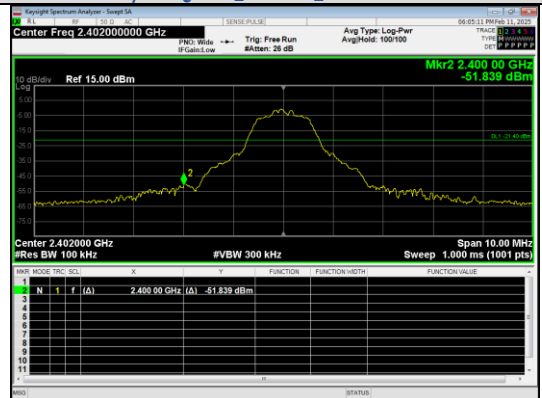
In-Band Reference Level
GFSK_DH5_Channel 0



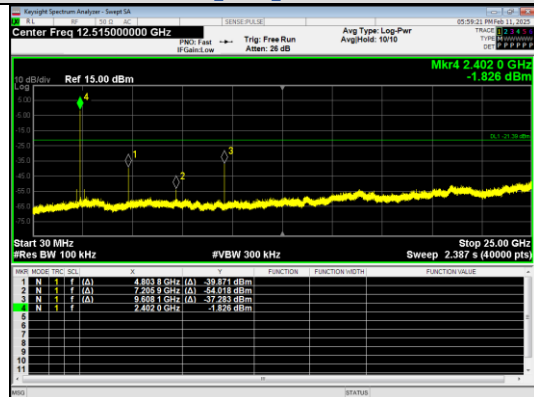
In-Band Reference Level
 $\pi/4$ DQPSK_2-DH5_Channel 0



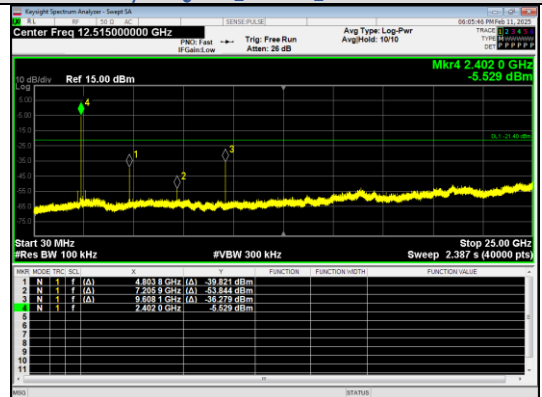
Out Of Band Emission
GFSK_DH5_Channel 0



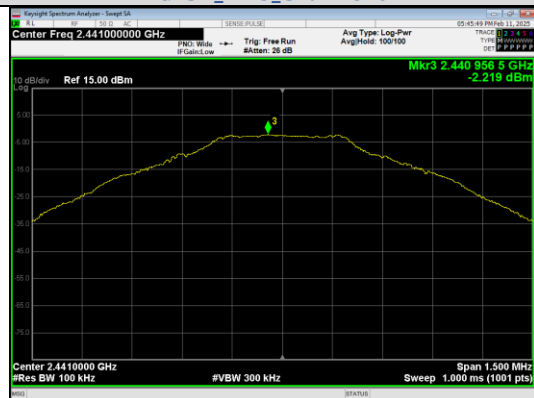
Out Of Band Emission
 $\pi/4$ DQPSK_2-DH5_Channel 0



30.0 MHz - 25000.0 MHz
GFSK_DH5_Channel 0



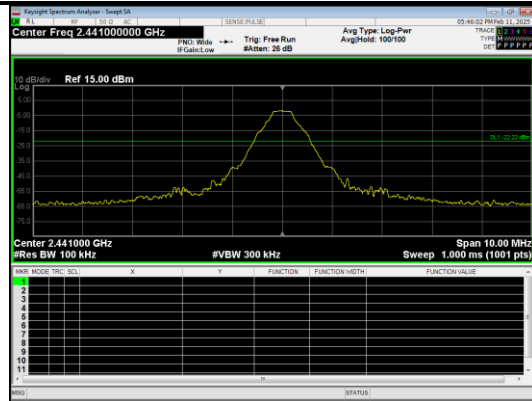
30.0 MHz - 25000.0 MHz
 $\pi/4$ DQPSK_2-DH5_Channel 0



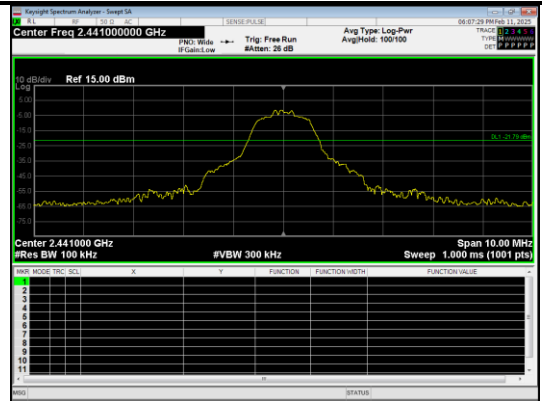
In-Band Reference Level
GFSK_DH5_Channel 39



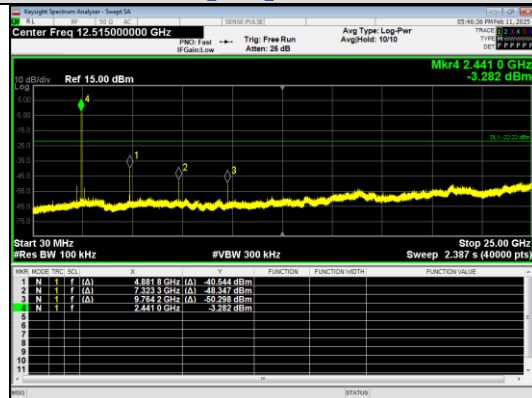
In-Band Reference Level
 $\pi/4$ DQPSK_2-DH5_Channel 39



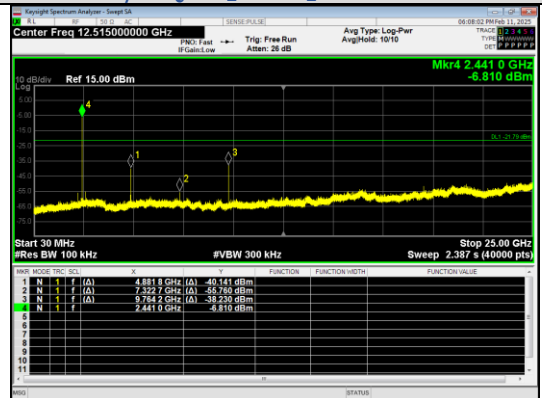
Out Of Band Emission
GFSK_DH5_Channel 39



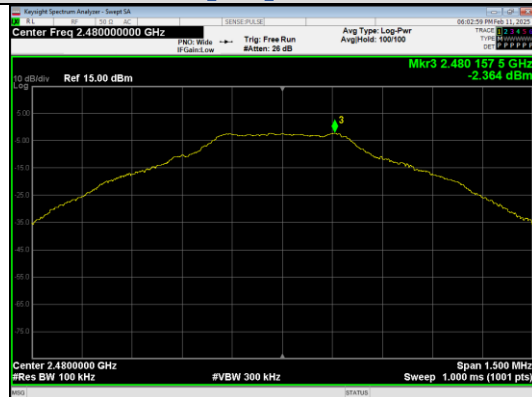
Out Of Band Emission
 $\pi/4$ DQPSK_2-DH5_Channel 39



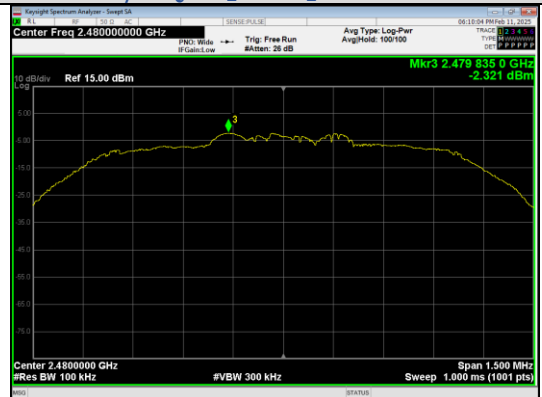
30.0 MHz - 25000.0 MHz
GFSK_DH5_Channel 39



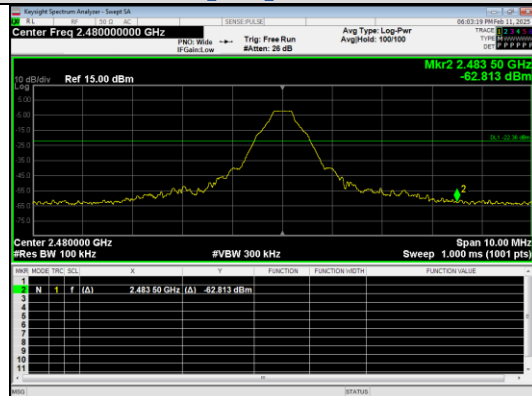
30.0 MHz - 25000.0 MHz
 $\pi/4$ DQPSK_2-DH5_Channel 39



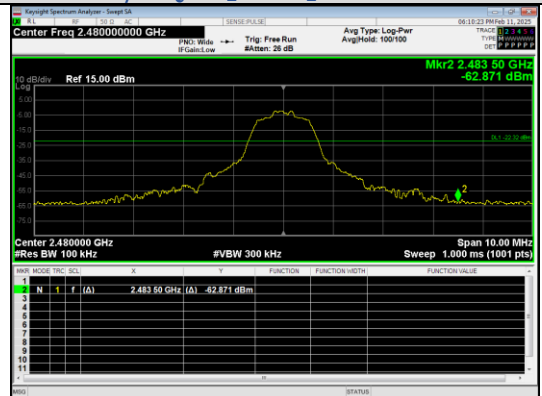
In-Band Reference Level
GFSK_DH5_Channel 78



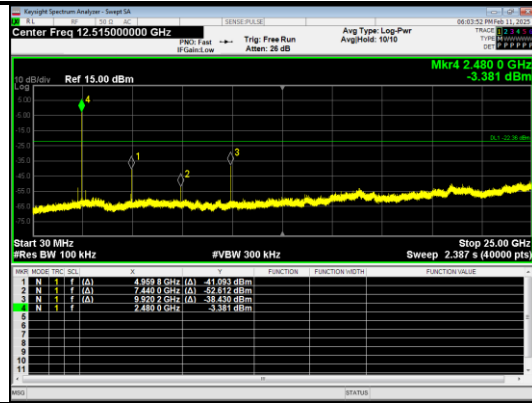
In-Band Reference Level
 $\pi/4$ DQPSK_2-DH5_Channel 78



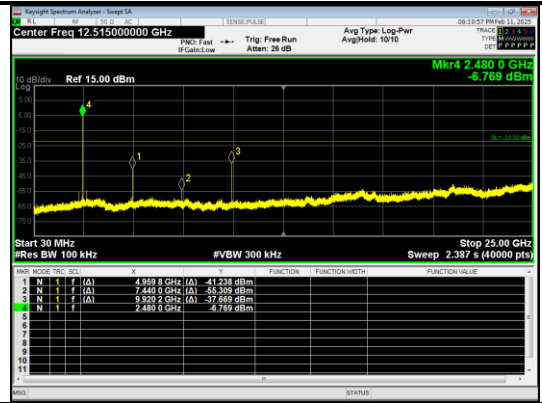
Out Of Band Emission
GFSK_DH5_Channel 78



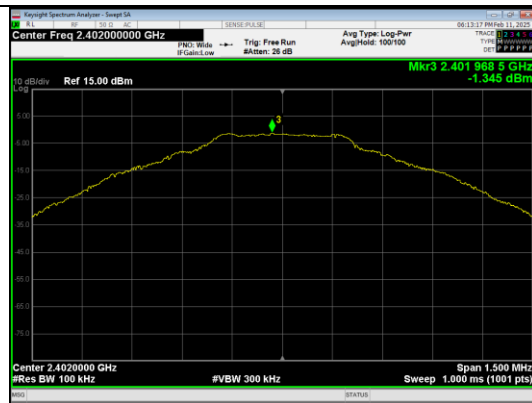
Out Of Band Emission
 $\pi/4$ DQPSK_2-DH5_Channel 78



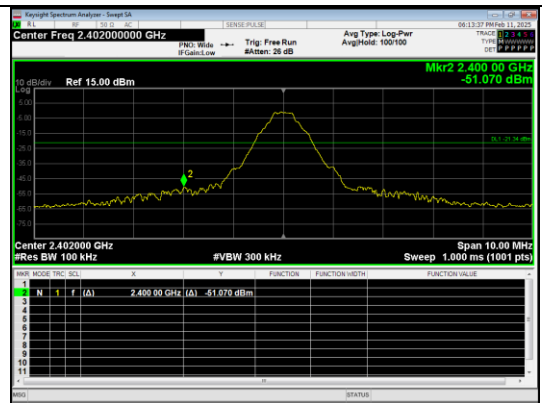
30.0 MHz - 25000.0 MHz
GFSK_DH5_Channel 78



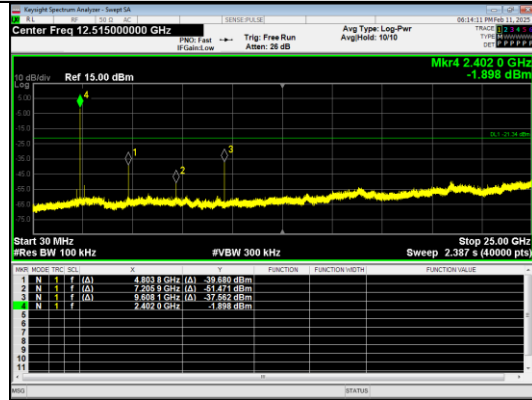
30.0 MHz - 25000.0 MHz
 $\pi/4$ DQPSK_2-DH5_Channel 78



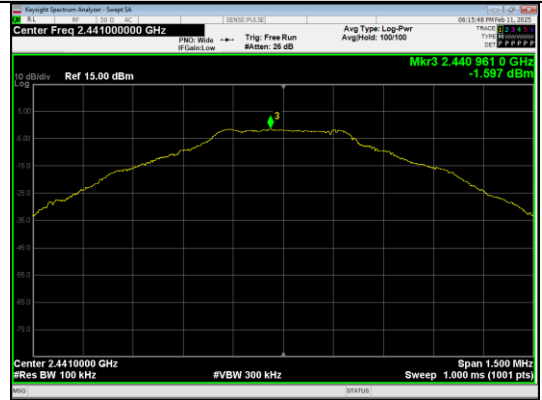
In-Band Reference Level
8DPSK_3-DH5_Channel 0



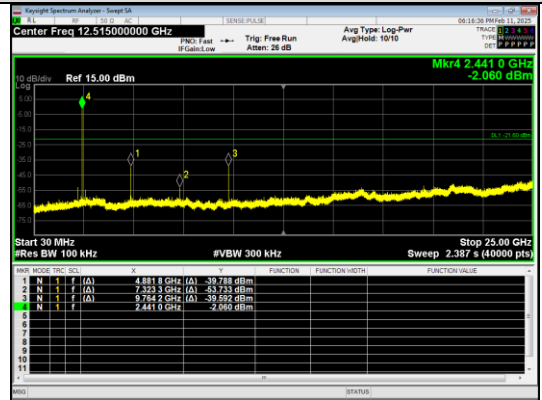
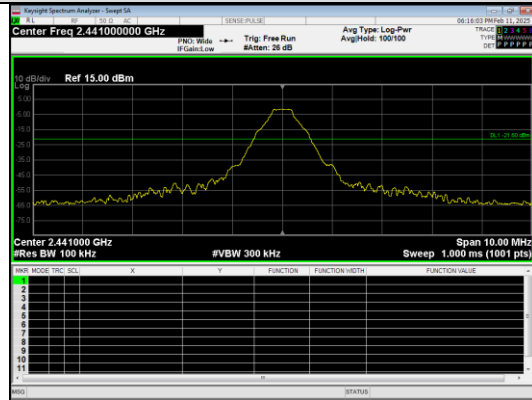
Out Of Band Emission
8DPSK_3-DH5_Channel 0



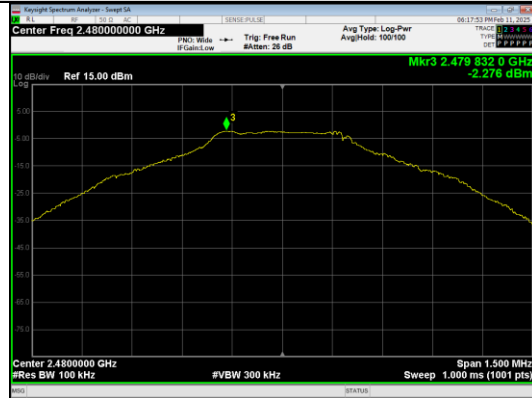
30.0 MHz - 25000.0 MHz
8DPSK_3-DH5_Channel 0



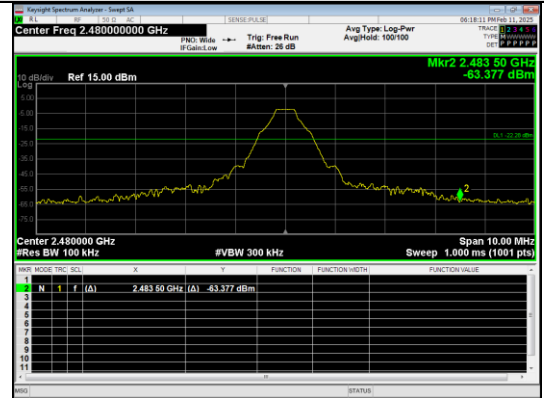
In-Band Reference Level
8DPSK_3-DH5_Channel 39



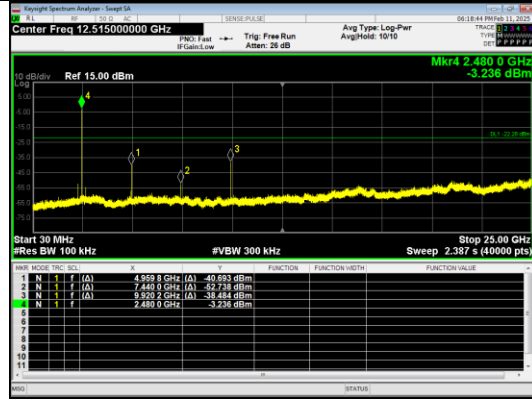
Out Of Band Emission 8DPSK_3-DH5_Channel 39



30.0 MHz - 25000.0 MHz 8DPSK_3-DH5_Channel 39

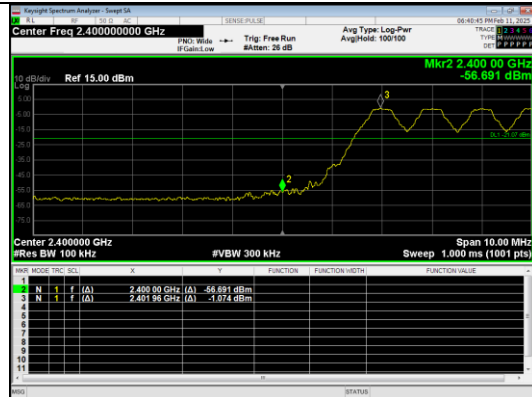


In-Band Reference Level 8DPSK_3-DH5_Channel 78

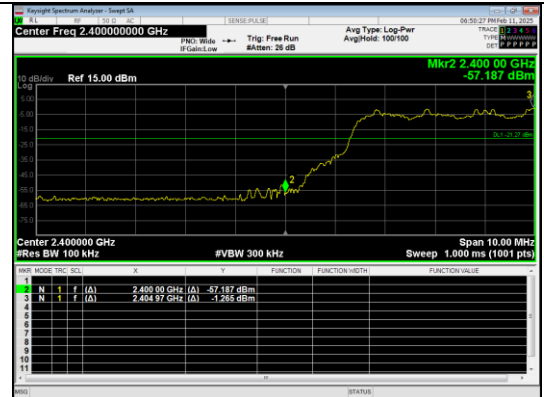


Out Of Band Emission 8DPSK_3-DH5_Channel 78

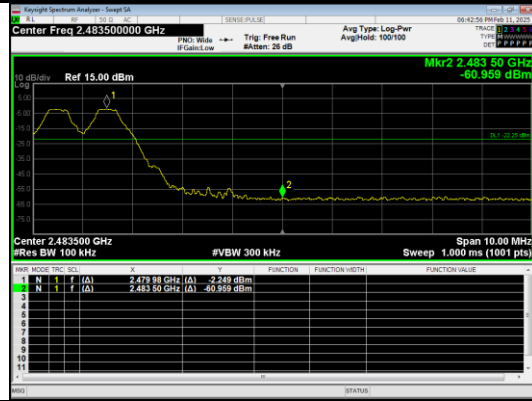
30.0 MHz - 25000.0 MHz 8DPSK_3-DH5_Channel 78



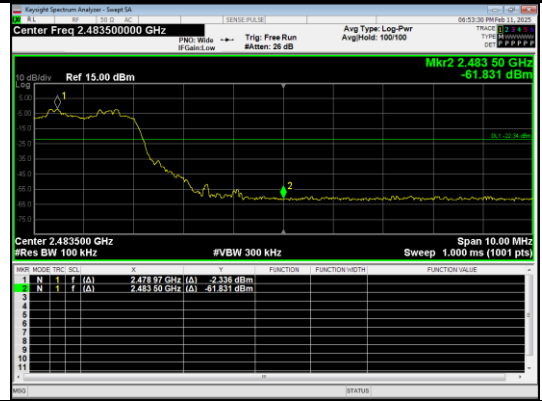
Out Of Band Emission(Left) GFSK_DH5_Channel Hopping



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

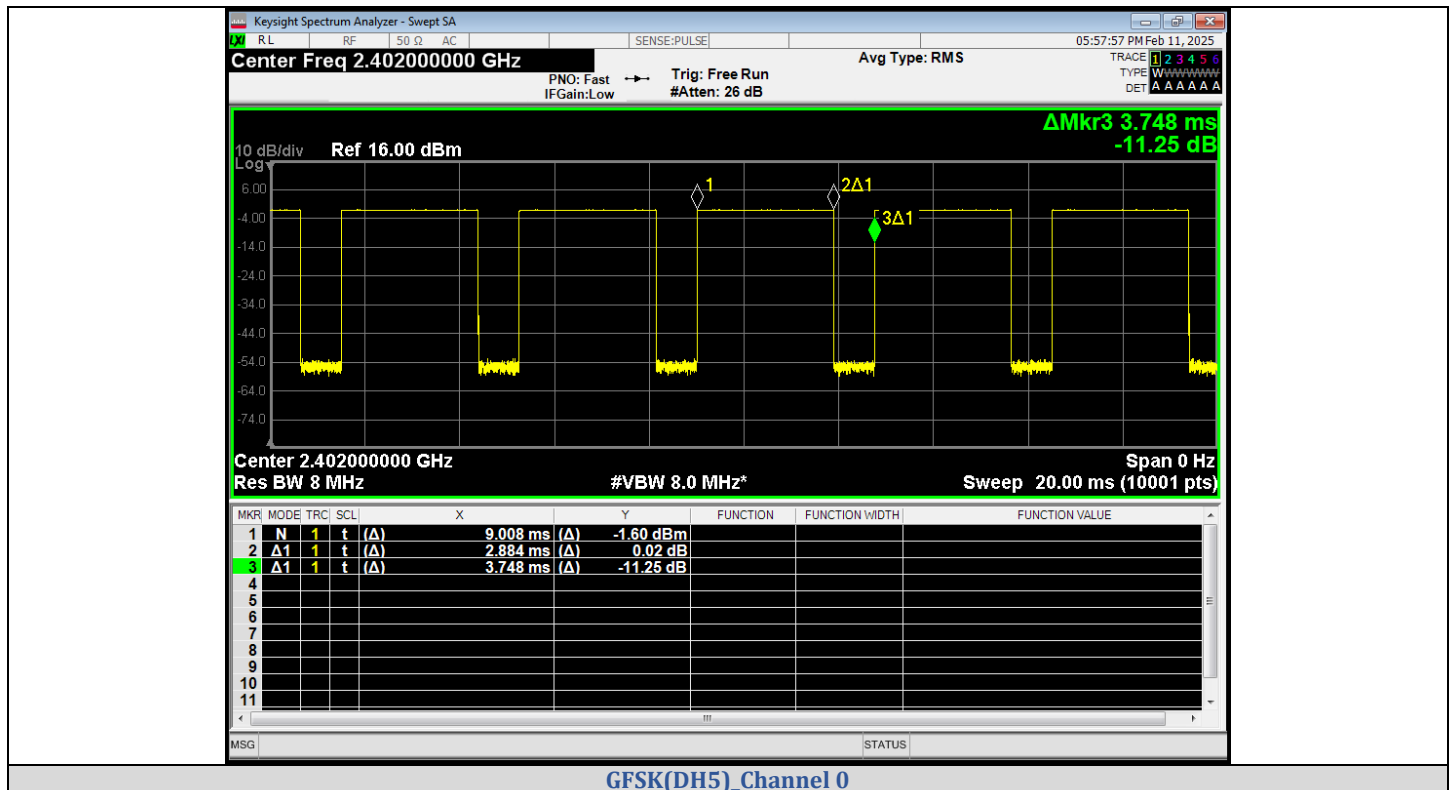


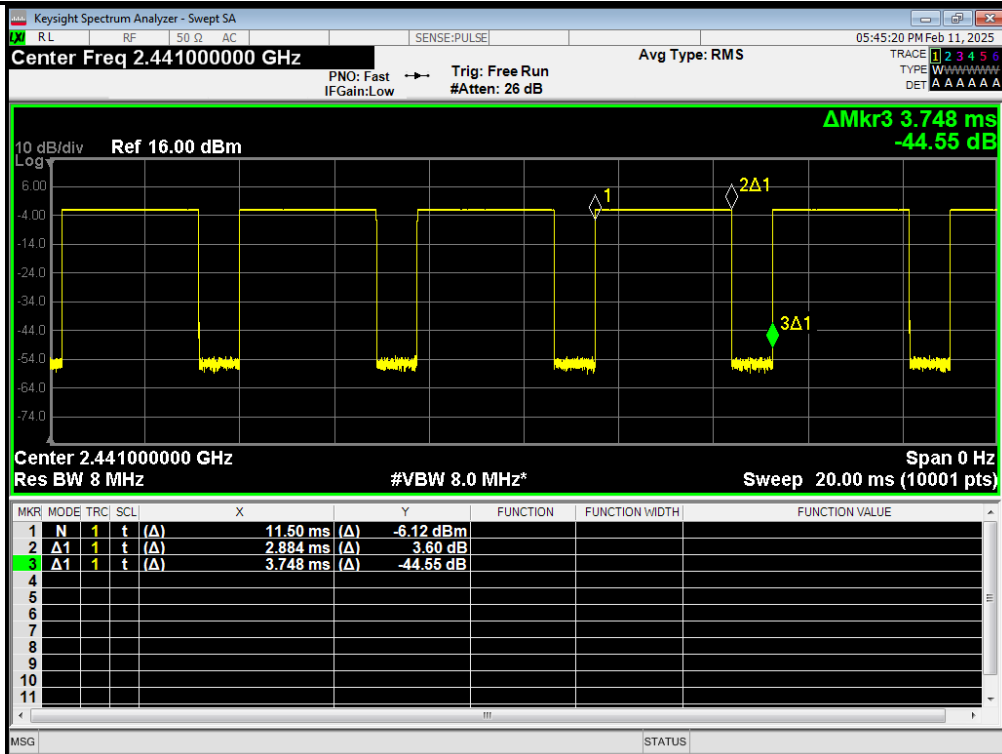
Duty Cycle

Test Result

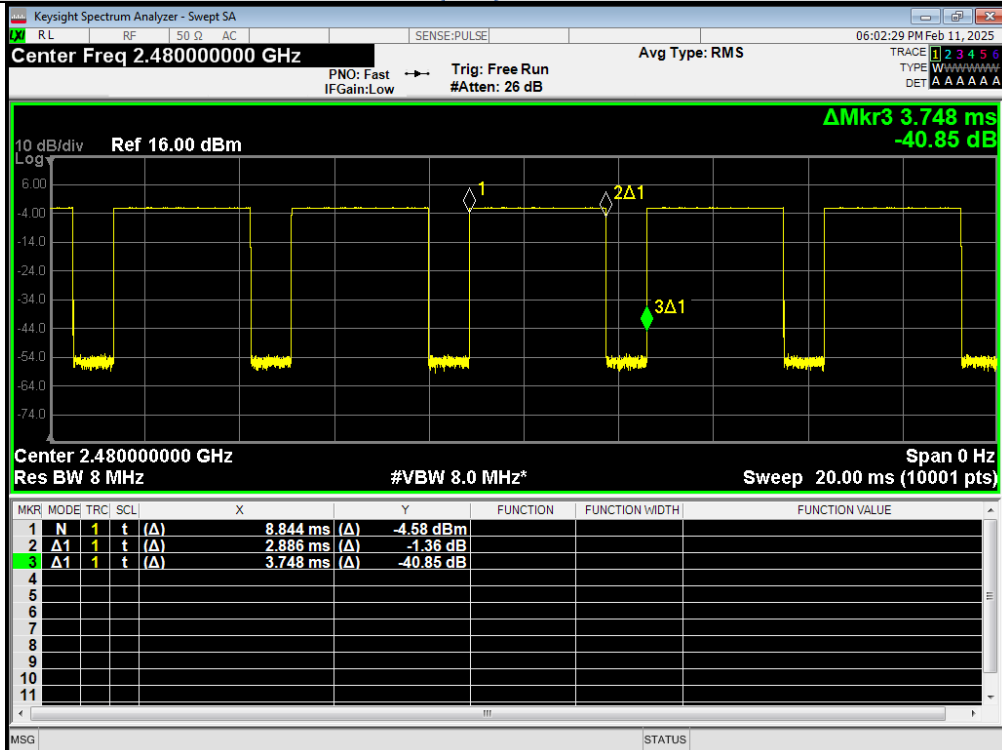
Modulation	Packets	Channel	On Time (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle (linear)	Duty Cycle Factor (dB)
GFSK	DH5	0	2.884	3.748	76.95	0.7695	1.1379
		39	2.884	3.748	76.95	0.7695	1.1379
		78	2.886	3.748	77.00	0.7700	1.1351
$\pi/4$ DQPSK	2-DH5	0	2.892	3.748	77.16	0.7716	1.1261
		39	2.892	3.748	77.16	0.7716	1.1261
		78	2.892	3.748	77.16	0.7716	1.1261
8DPSK	3-DH5	0	2.360	3.748	62.97	0.6297	2.0087
		39	2.360	3.748	62.97	0.6297	2.0087
		78	2.362	3.748	63.02	0.6302	2.0052

Test Graphs

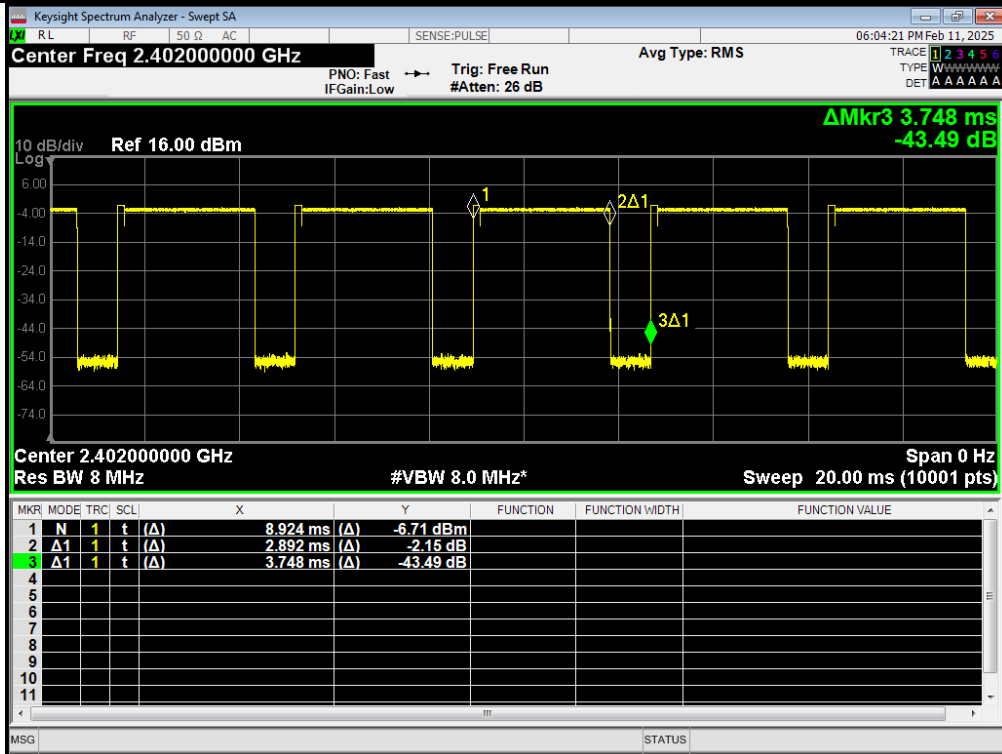




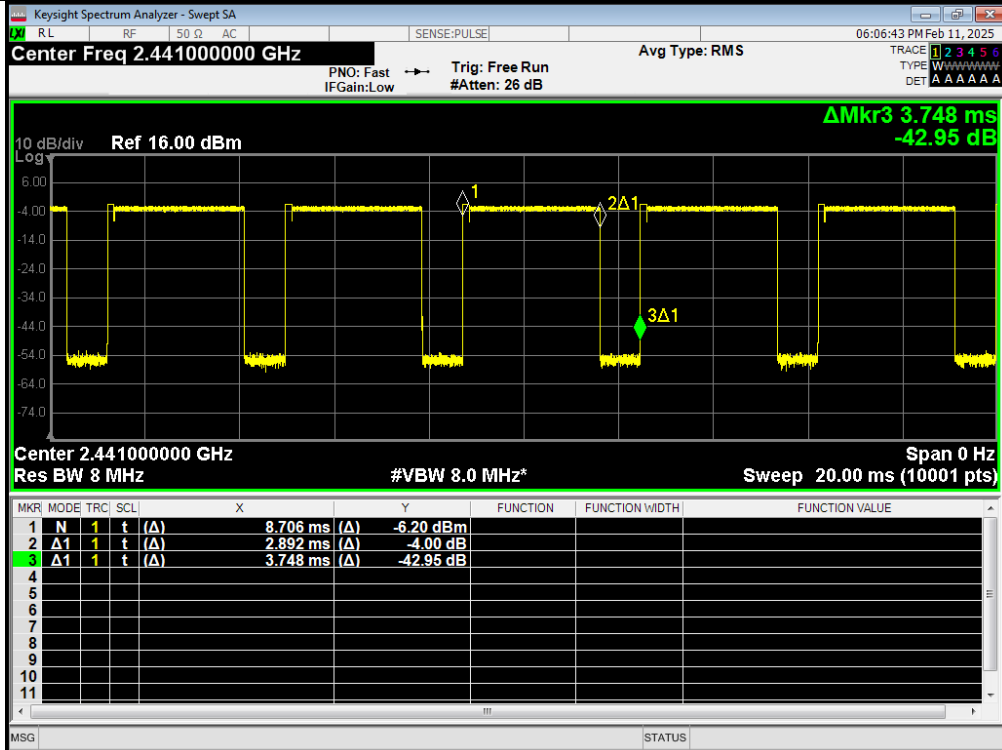
GFSK(DH5)_Channel 39



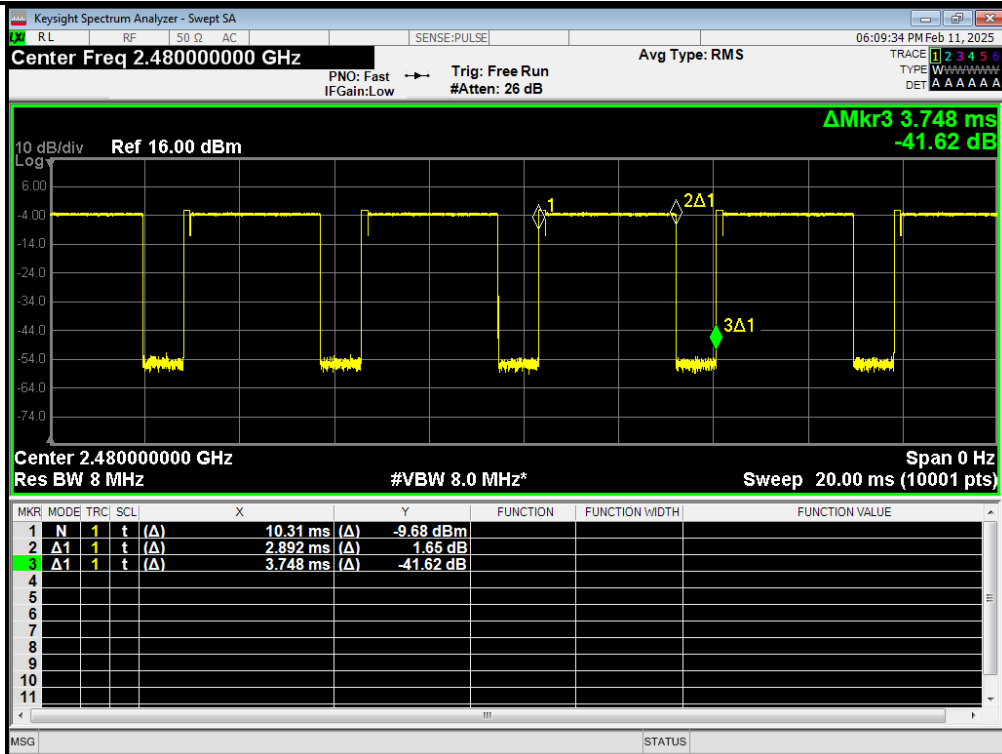
GFSK(DH5)_Channel 78



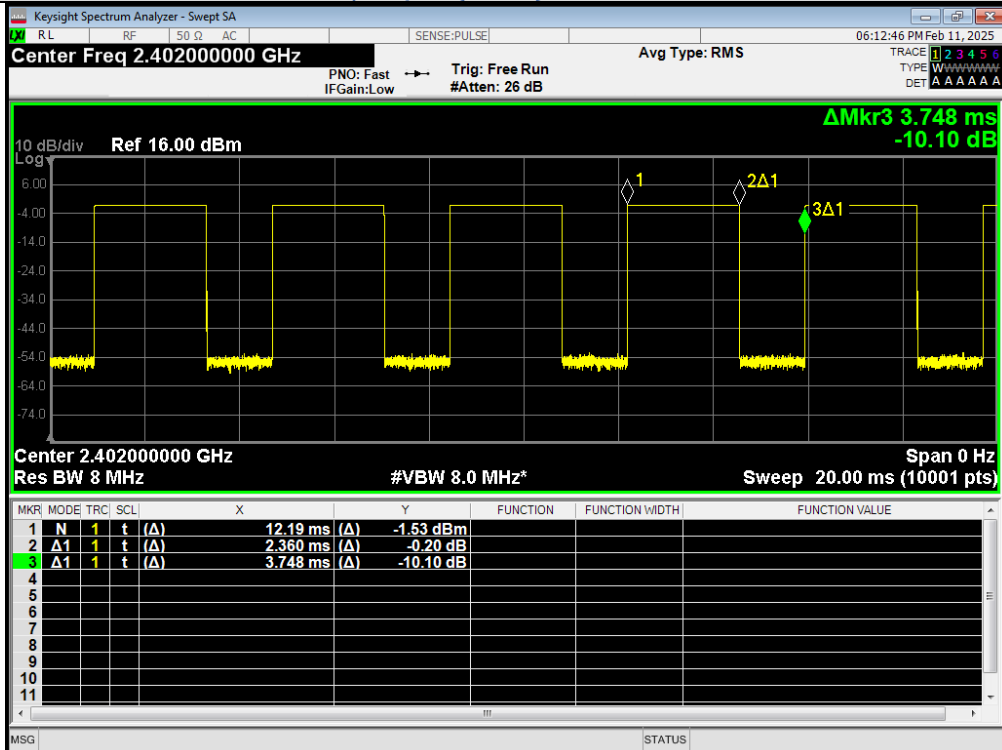
$\pi/4$ DQPSK(2-DH5)_Channel 0



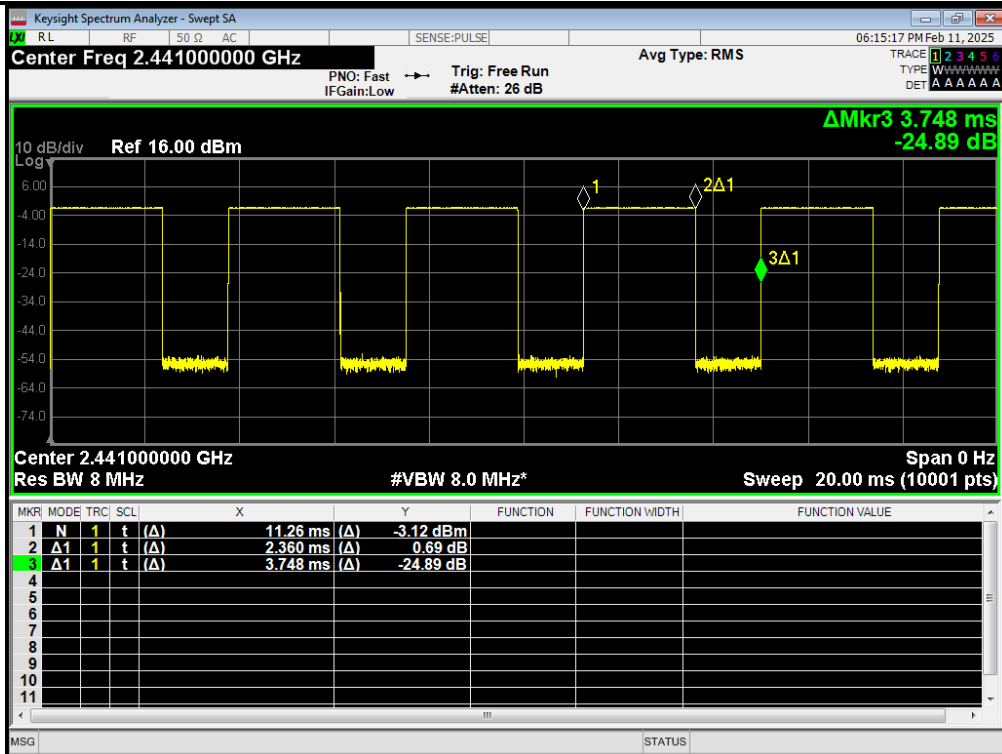
$\pi/4$ DQPSK(2-DH5)_Channel 39



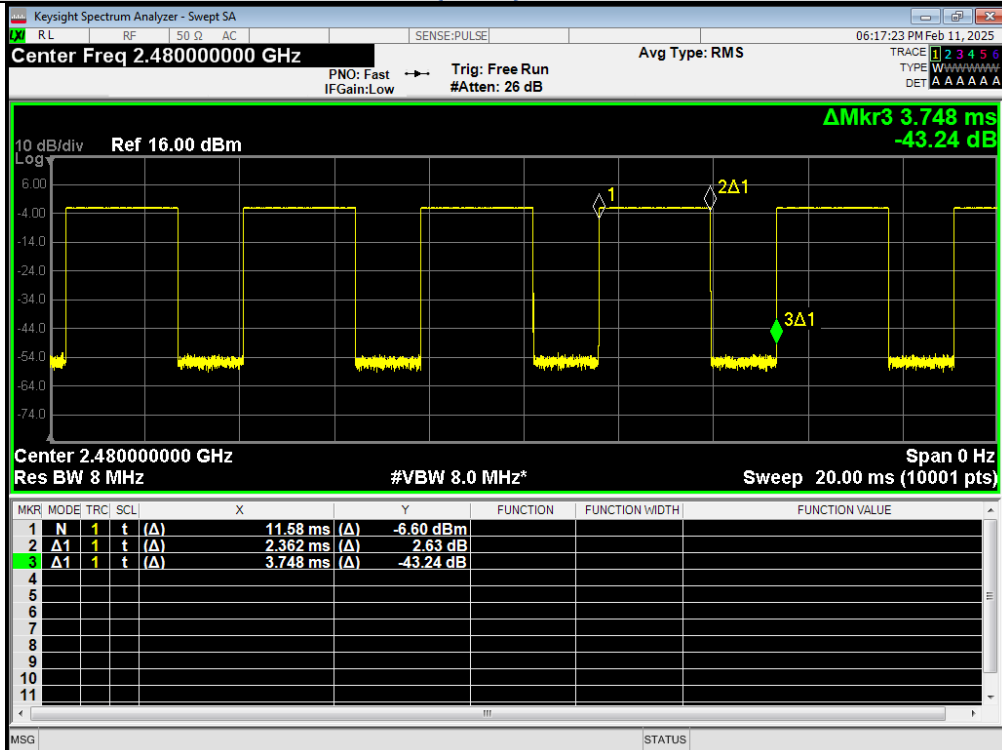
$\pi/4$ DQPSK(2-DH5)_Channel 78



8DPSK(3-DH5)_Channel 0



8DPSK(3-DH5)_Channel 39



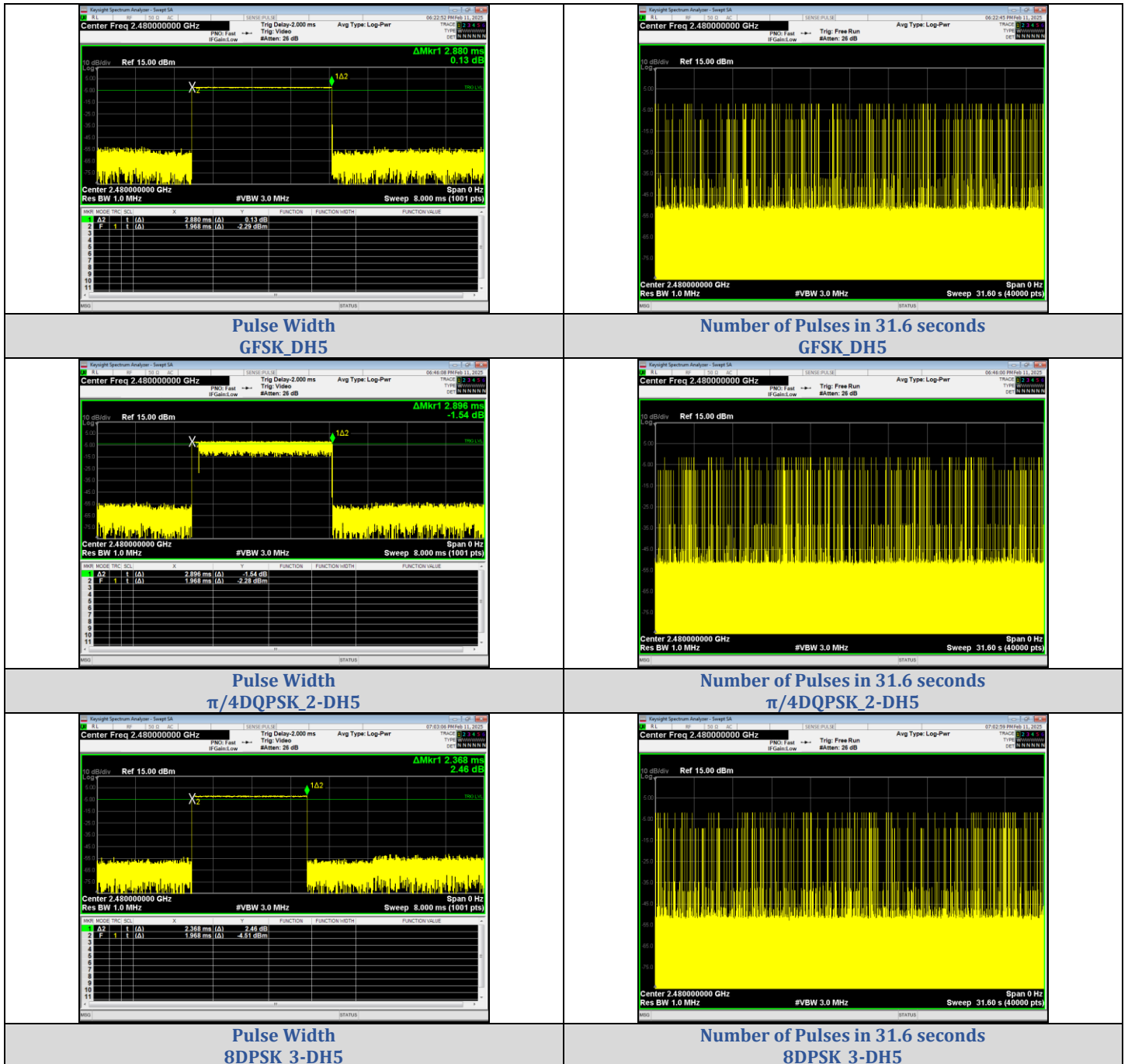
8DPSK(3-DH5)_Channel 78

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)	2.880	106	305.28	< 400	PASS
$\pi/4$ DQPSK	2-DH5		2.896	105	304.08		PASS
8DPSK	3-DH5		2.368	105	248.64		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

