

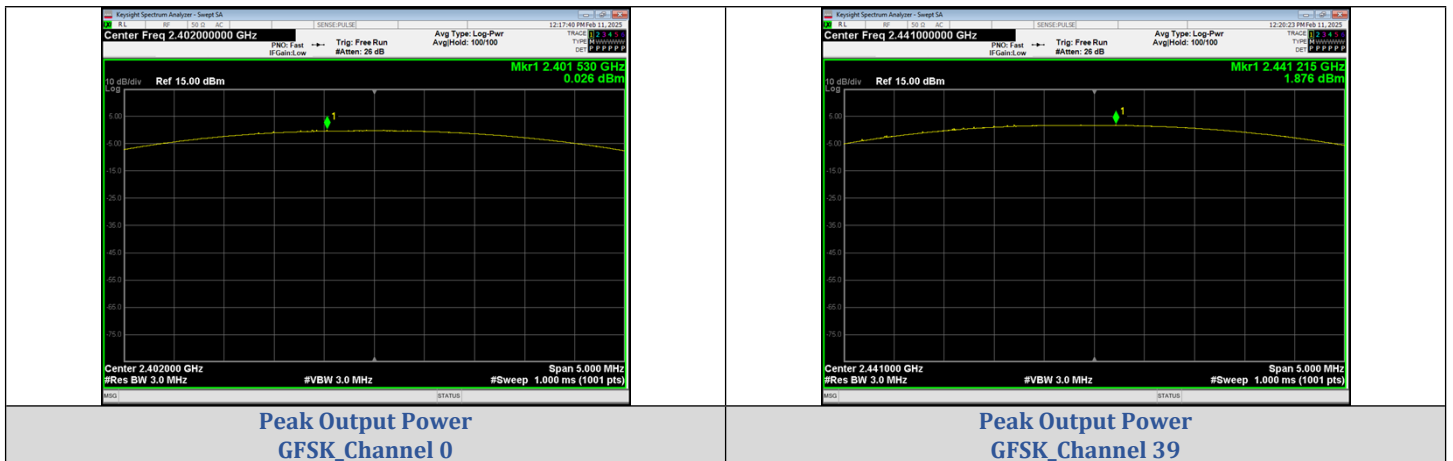
Conducted Output Power

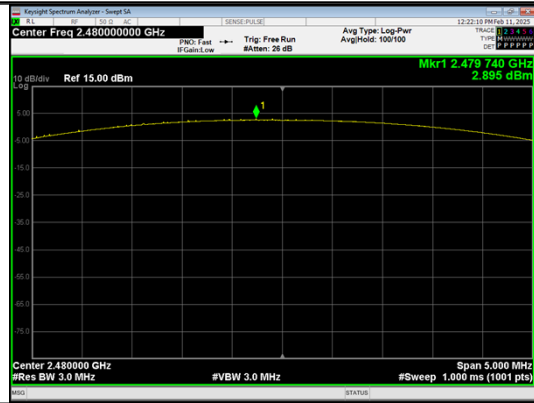
Test Result

Modulation	Packet Type	Channel	Peak Output Power (dBm)	Peak Output Power (mW)	Max. Avg. Power (dBm)	Limit (dBm)	Result
GFSK	DH5	0	0.026	1.006	None	≤30	PASS
		39	1.876	1.540	None		PASS
		78	2.895	1.948	None		PASS
$\pi/4$ DQPSK	2-DH5	0	1.836	1.526	None	≤20.97	PASS
		39	3.603	2.292	None		PASS
		78	4.196	2.628	None		PASS
8DPSK	3-DH5	0	1.337	1.361	None		PASS
		39	3.196	2.087	None		PASS
		78	4.021	2.524	None		PASS

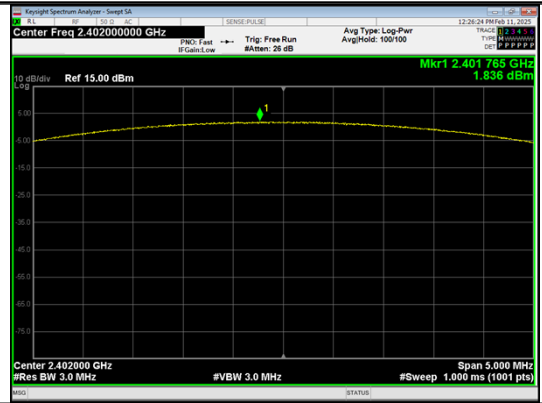
Modulation	Packet Type	Channel	Peak Output Power (dBm)	Peak Power Limit (dBm)	ISED EIRP (dBm)	ISED EIRP Limit (dBm)	Max. Avg. Power (dBm)	Result
GFSK	DH5	0	0.026	≤30	0.026	≤36.02	None	PASS
		39	1.876	≤30	1.876	≤36.02	None	PASS
		78	2.895	≤30	2.895	≤36.02	None	PASS
$\pi/4$ DQPSK	2-DH5	0	1.836	≤20.97	1.836	≤36.02	None	PASS
		39	3.603	≤20.97	3.603	≤36.02	None	PASS
		78	4.196	≤20.97	4.196	≤36.02	None	PASS
8DPSK	3-DH5	0	1.337	≤20.97	1.337	≤36.02	None	PASS
		39	3.196	≤20.97	3.196	≤36.02	None	PASS
		78	4.021	≤20.97	4.021	≤36.02	None	PASS

Test Graphs

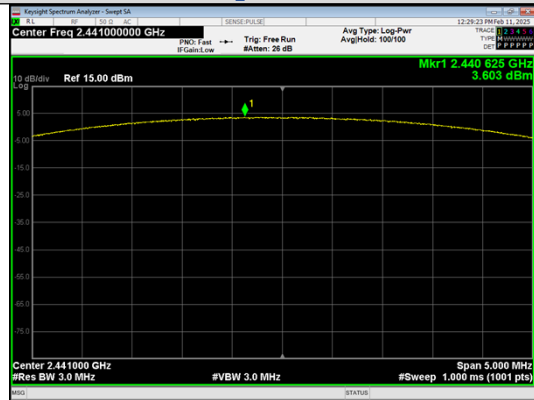




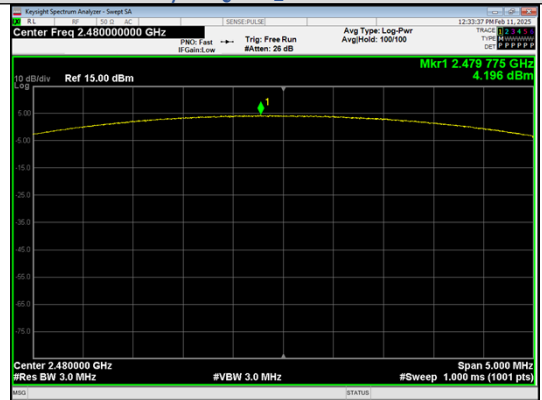
Peak Output Power
GFSK_Channel 78



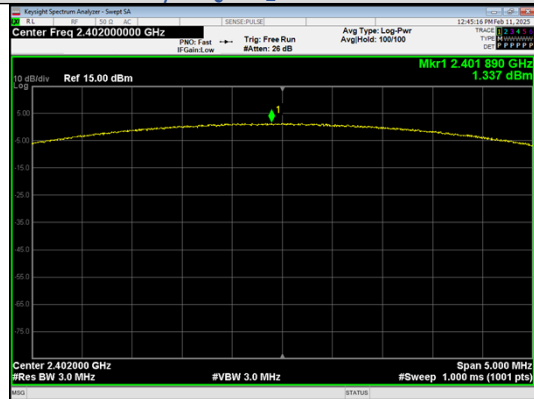
Peak Output Power
 $\pi/4$ DQPSK_Channel 0



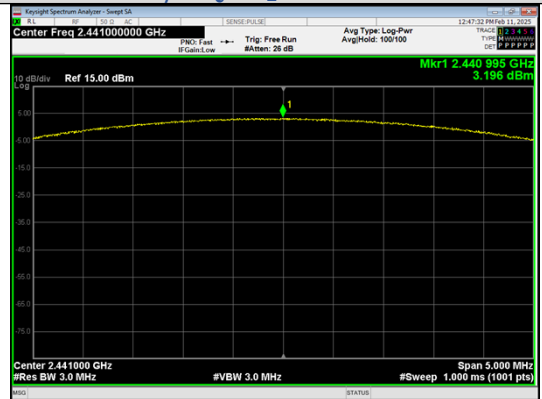
Peak Output Power
 $\pi/4$ DQPSK_Channel 39



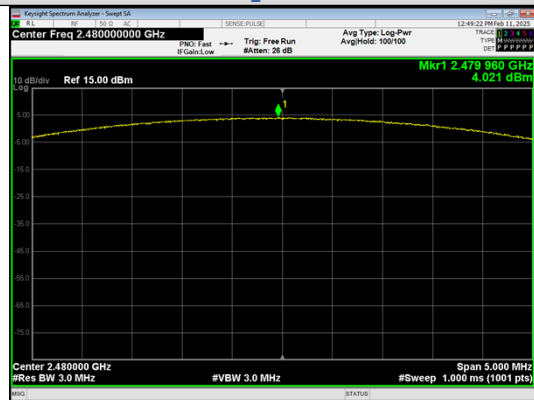
Peak Output Power
 $\pi/4$ DQPSK_Channel 78



Peak Output Power
8DPSK_Channel 0



Peak Output Power
8DPSK_Channel 39



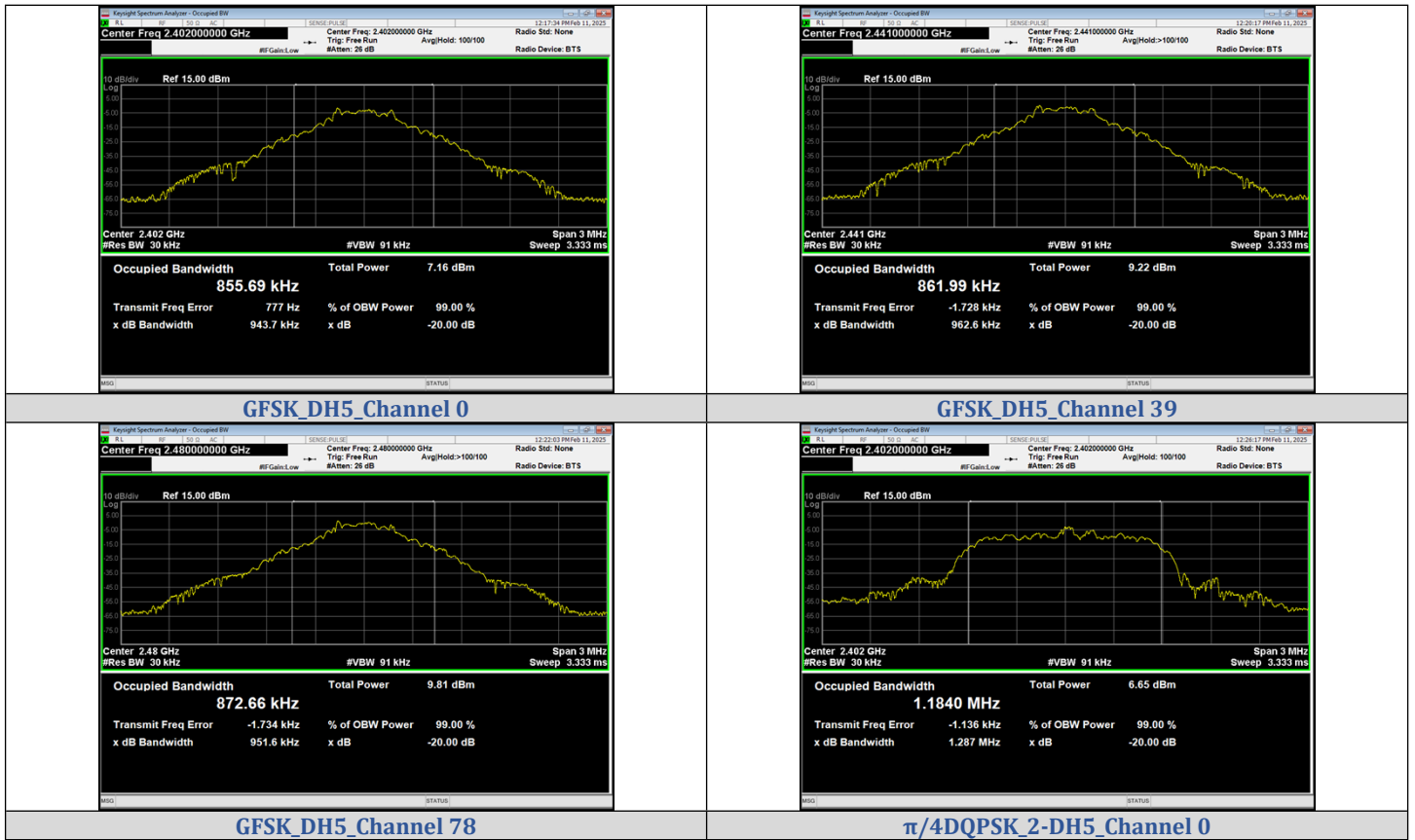
Peak Output Power
8DPSK_Channel 78

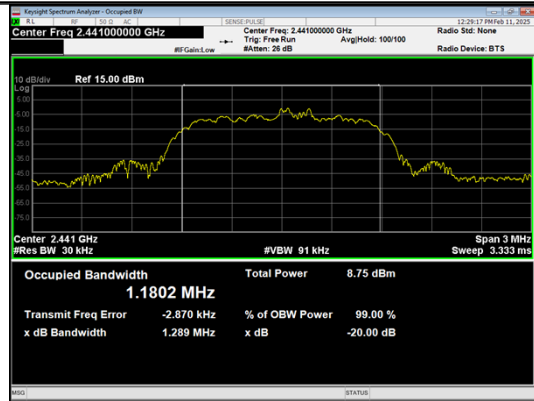
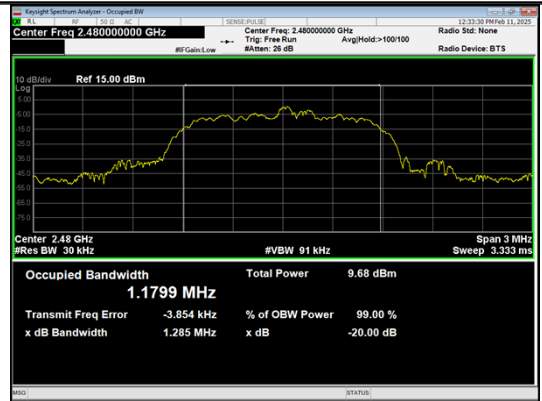
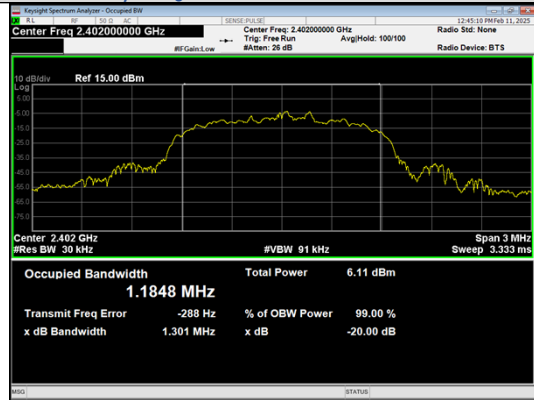
20dB Bandwidth

Test Result

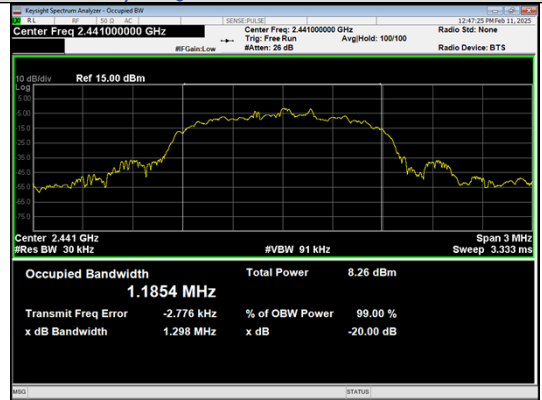
Modulation	Channel	Center Frequency (MHz)	20 dB Bandwidth (MHz)
GFSK	0	2402 MHz	0.9437
	39	2441 MHz	0.9626
	78	2480 MHz	0.9516
$\pi/4$ DQPSK	0	2402 MHz	1.287
	39	2441 MHz	1.289
	78	2480 MHz	1.285
8DPSK	0	2402 MHz	1.301
	39	2441 MHz	1.298
	78	2480 MHz	1.302

Test Graphs

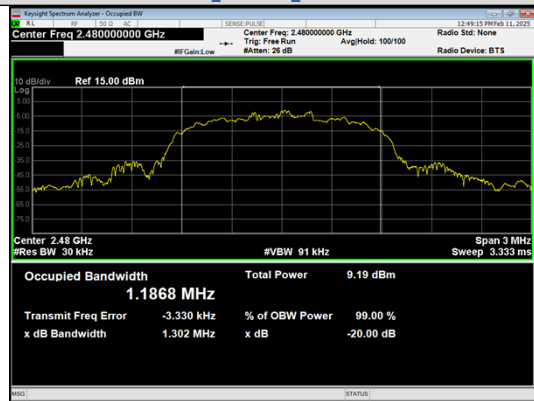



 $\pi/4$ DQPSK 2-DH5_Channel 39

 $\pi/4$ DQPSK 2-DH5_Channel 78


8DPSK_3-DH5_Channel 0



8DPSK_3-DH5_Channel 78



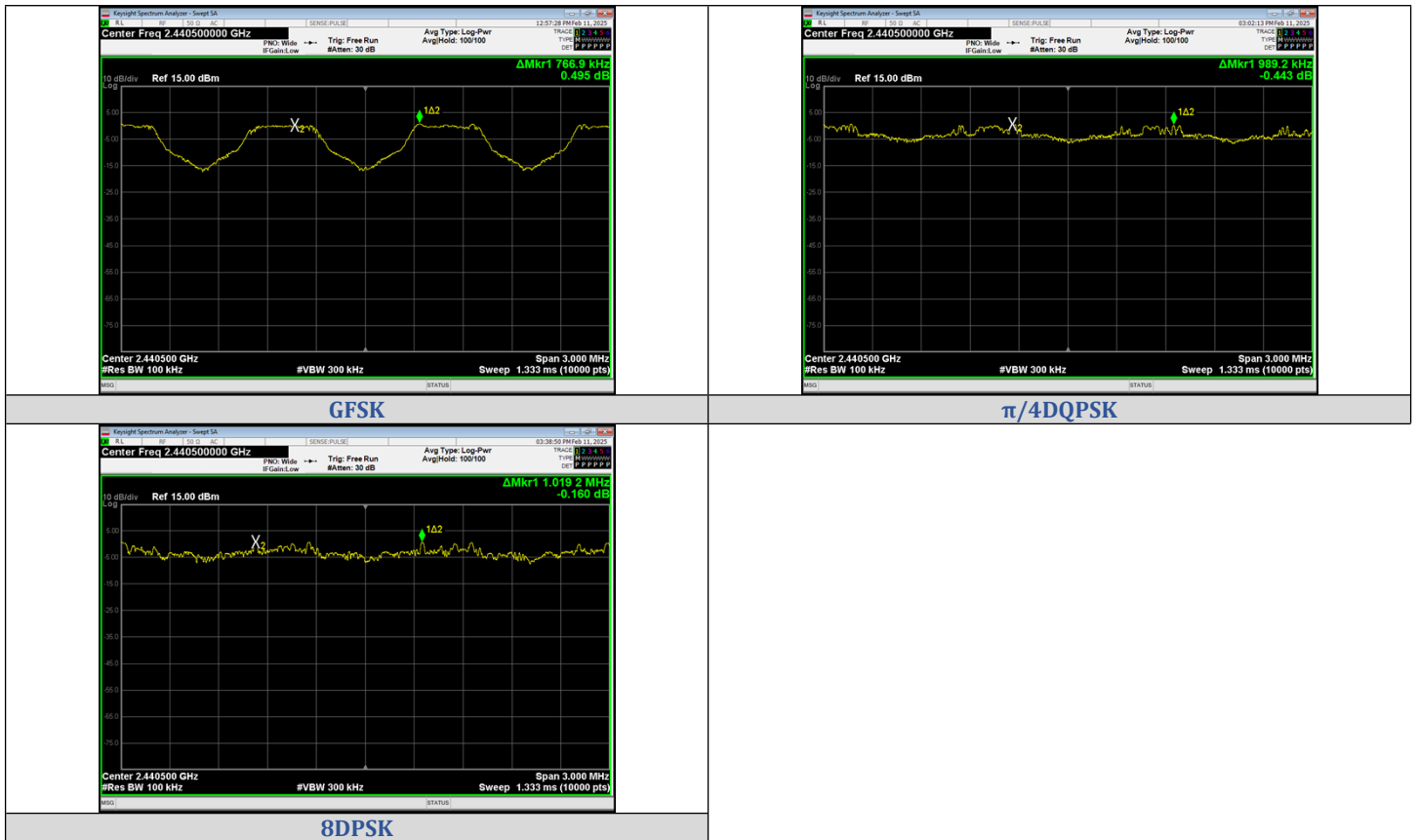
8DPSK_3-DH5_Channel 78

Carrier Frequencies Separation

Test Result

Modulation	Packet	Left Center frequency (MHz)	Right Center frequency (MHz)	Hopping Frequency Separation (MHz)	Limit (MHz)	Result
GFSK	DH5	2440.0663	2440.8332	0.7669	0.634	PASS
$\pi/4$ DQPSK	2-DH5	2440.1584	2441.1476	0.9892	0.857	PASS
8DPSK	3-DH5	2439.8281	2440.8473	1.0192	0.868	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	2398.90	-55.482	-20.45	-35.032	PASS
			2400.00	-56.294	-20.45	-35.844	PASS
			4803.10	-63.351	-20.45	-42.901	PASS
			7205.30	-61.818	-20.45	-41.368	PASS
			9608.70	-65.380	-20.45	-44.930	PASS
			24966.9	-49.022	-20.45	-28.572	PASS
		39	4881.79	-63.605	-18.39	-45.215	PASS
			7323.92	-62.861	-18.39	-44.471	PASS
			9764.17	-64.428	-18.39	-46.038	PASS
			24752.2	-49.104	-18.39	-30.714	PASS
		78	1746.73	-40.818	-17.58	-23.238	PASS
			2483.50	-55.634	-17.58	-38.054	PASS
			4960.45	-63.701	-17.58	-46.121	PASS
			7440.03	-62.770	-17.58	-45.190	PASS
			9920.24	-64.767	-17.58	-47.187	PASS
$\pi/4$ DQPSK	2-DH5	0	2400.00	-55.227	-20.37	-34.857	PASS
			4804.38	-61.648	-20.37	-41.278	PASS
			7206.56	-61.428	-20.37	-41.058	PASS
			9608.73	-63.526	-20.37	-43.156	PASS
			24986.9	-49.096	-20.37	-28.726	PASS
		39	1754.85	-47.590	-18.48	-29.110	PASS
			4882.42	-62.628	-18.48	-44.148	PASS
			7322.05	-63.037	-18.48	-44.557	PASS
			9764.17	-64.498	-18.48	-46.017	PASS
		78	2483.50	-56.755	-17.73	-39.025	PASS
			4959.20	-62.634	-17.73	-44.904	PASS
			7440.66	-64.595	-17.73	-46.865	PASS
			9920.86	-64.642	-17.73	-46.912	PASS
			24717.8	-49.480	-17.73	-31.750	PASS
8DPSK	3-DH5	0	2398.52	-59.498	-21.24	-38.258	PASS
			2400.00	-60.651	-21.24	-39.411	PASS
			4804.40	-63.225	-21.24	-41.986	PASS
			7206.60	-62.386	-21.24	-41.146	PASS
			9608.70	-63.750	-21.24	-42.510	PASS
			24980.0	-48.873	-21.24	-27.633	PASS
		39	4881.79	-63.388	-19.21	-44.178	PASS
			7322.05	-62.207	-19.21	-42.997	PASS
			9764.80	-64.684	-19.21	-45.474	PASS
			24850.8	-48.894	-19.21	-29.684	PASS
		78	2483.50	-58.381	-18.12	-40.261	PASS
			4960.45	-62.428	-18.12	-44.308	PASS
			7440.66	-63.135	-18.12	-45.014	PASS
			9919.62	-61.685	-18.12	-43.565	PASS
			24928.8	-49.077	-18.12	-30.957	PASS

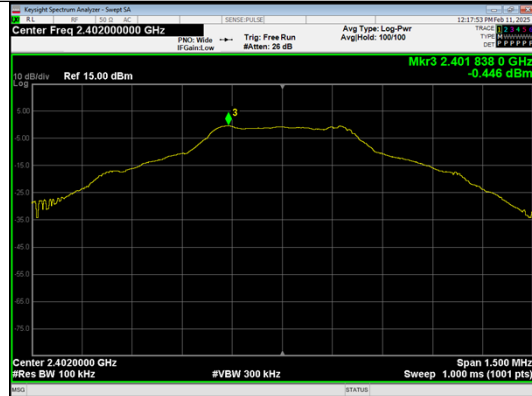
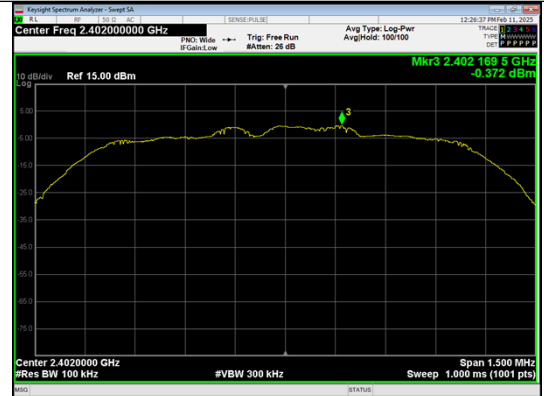
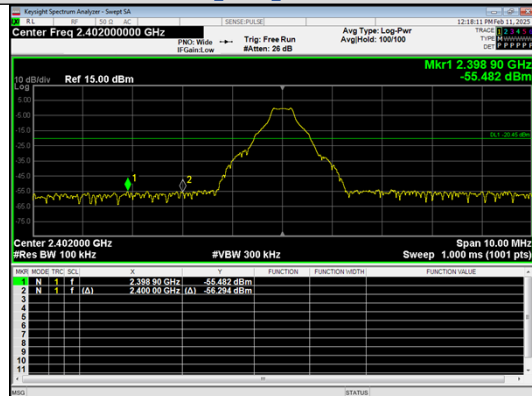
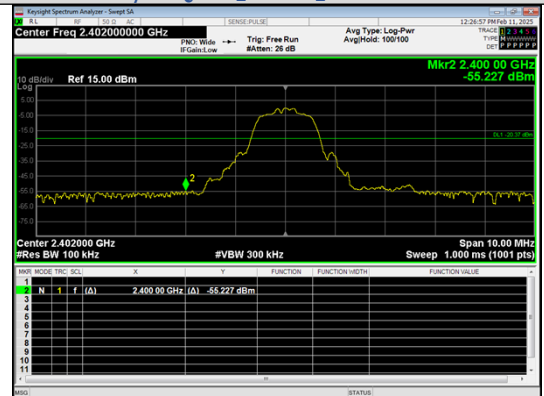
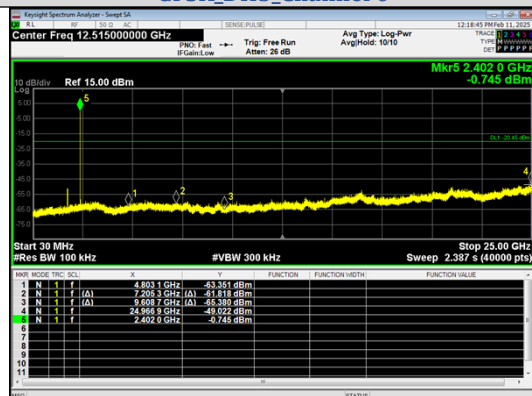
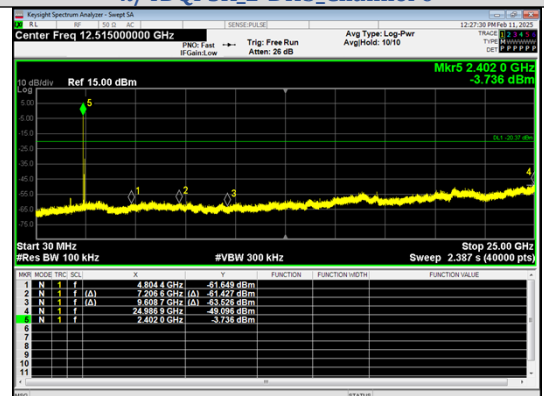
Hopping

Modulation	Packet	Channel	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result
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GFSK	DH5	Hopping	2396.70	-61.570	-20.95	-40.620	PASS
			2400.00	-62.028	-20.95	-41.078	PASS
			2483.50	-63.029	-17.9	-45.129	PASS
$\pi/4$ DQPSK	2-DH5		2398.76	-60.760	-20.86	-39.900	PASS
			2400.00	-61.051	-20.86	-40.191	PASS
			2483.50	-62.283	-17.9	-44.383	PASS
8DPSK	3-DH5		2398.84	-59.382	-21.0	-38.382	PASS
			2400.00	-60.200	-21.0	-39.200	PASS
			2483.50	-57.384	-18.07	-39.314	PASS

Test Graphs

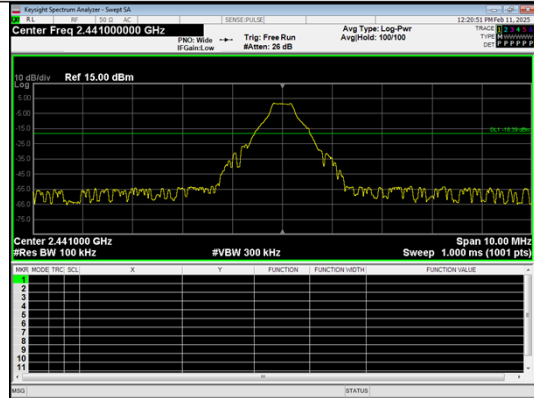
In-Band Reference Level
GFSK_DH5_Channel 0In-Band Reference Level
 $\pi/4$ DQPSK_2-DH5_Channel 0Out Of Band Emission
GFSK_DH5_Channel 0Out Of Band Emission
 $\pi/4$ DQPSK_2-DH5_Channel 030.0 MHz - 25000.0 MHz
GFSK_DH5_Channel 030.0 MHz - 25000.0 MHz
 $\pi/4$ DQPSK_2-DH5_Channel 0



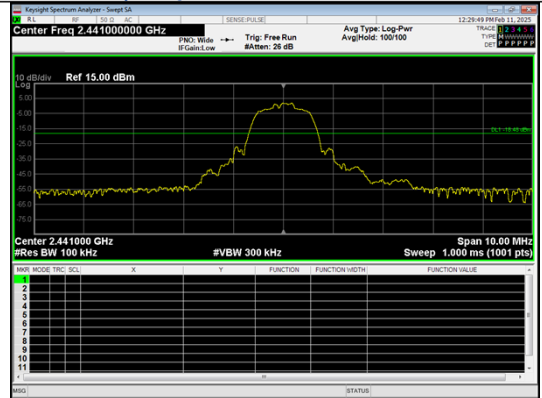
In-Band Reference Level
GFSK_DH5_Channel 39



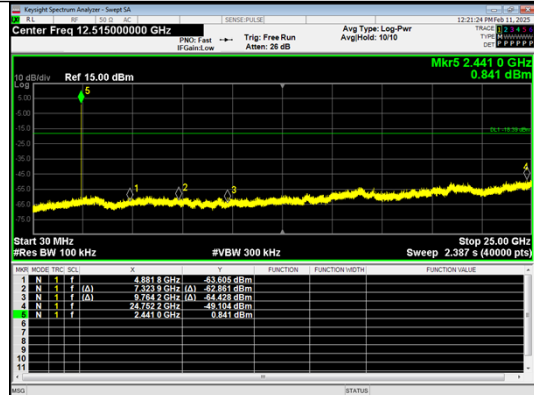
In-Band Reference Level
 $\pi/4$ DQPSK_2-DH5_Channel 39



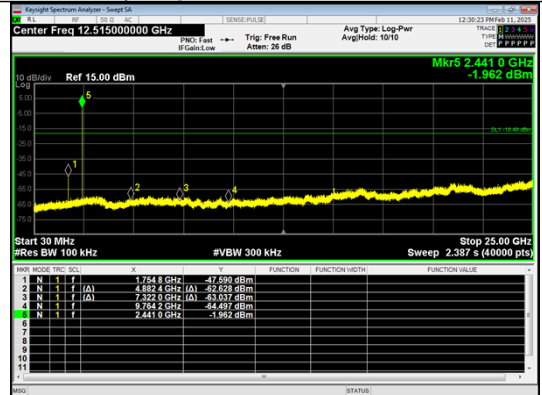
Out Of Band Emission
GFSK_DH5_Channel 39



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



30.0 MHz - 25000.0 MHz
GFSK_DH5_Channel 39



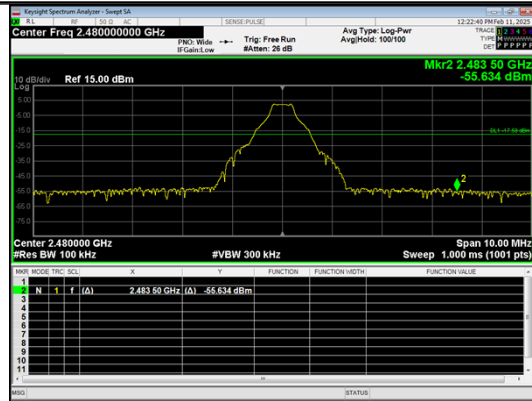
30.0 MHz - 25000.0 MHz
 $\pi/4$ DQPSK_2-DH5_Channel 39



In-Band Reference Level
GFSK_DH5_Channel 78



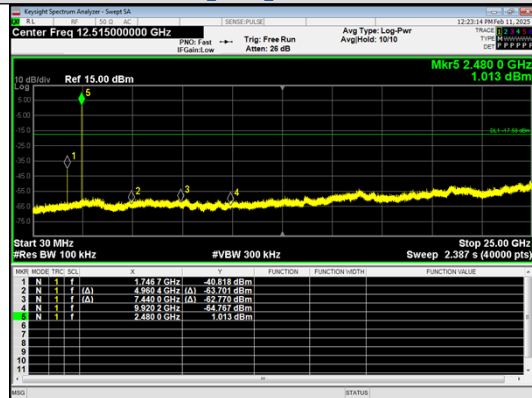
In-Band Reference Level
 $\pi/4$ DQPSK_2-DH5_Channel 78



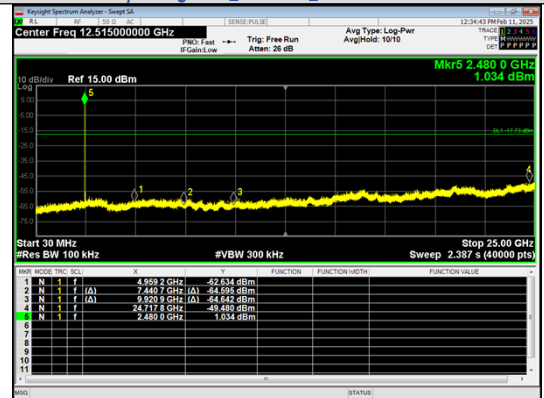
Out Of Band Emission
GFSK_DH5_Channel 78



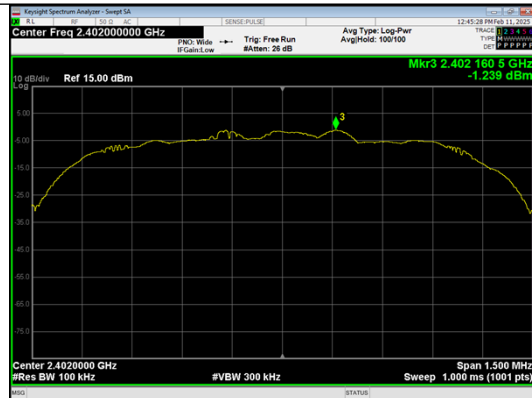
Out Of Band Emission
 $\pi/4$ DQPSK_2-DH5_Channel 78



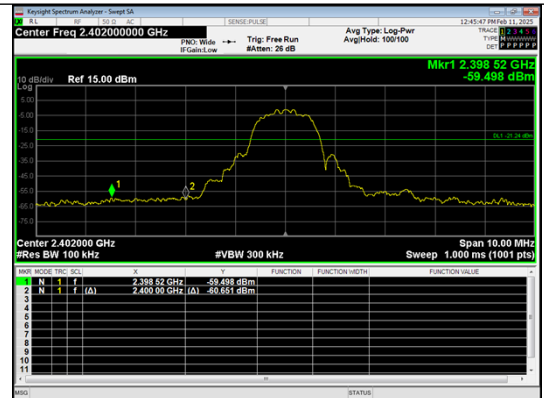
30.0 MHz - 25000.0 MHz
GFSK_DH5_Channel 78



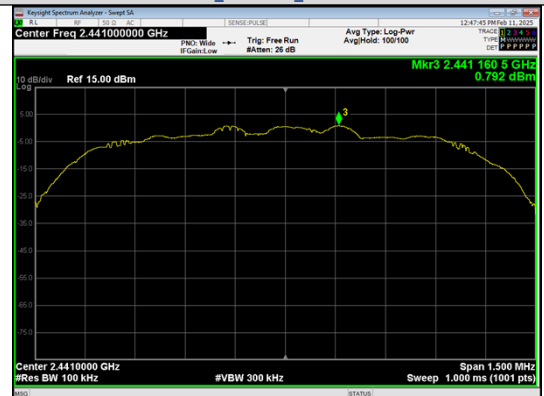
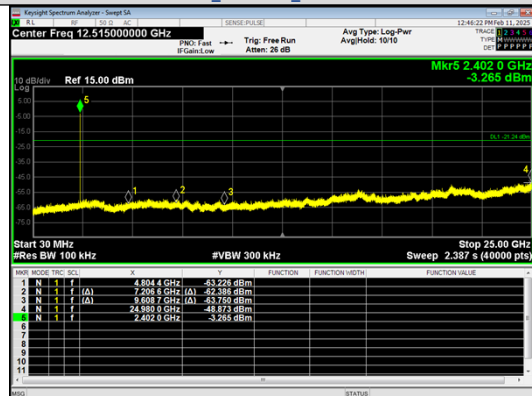
30.0 MHz - 25000.0 MHz
 $\pi/4$ DQPSK_2-DH5_Channel 78



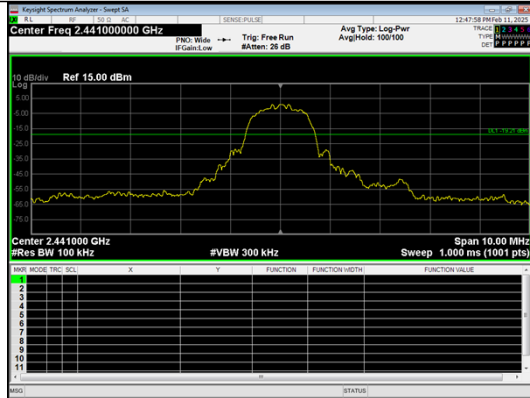
In-Band Reference Level
8DPSK_3-DH5_Channel 0



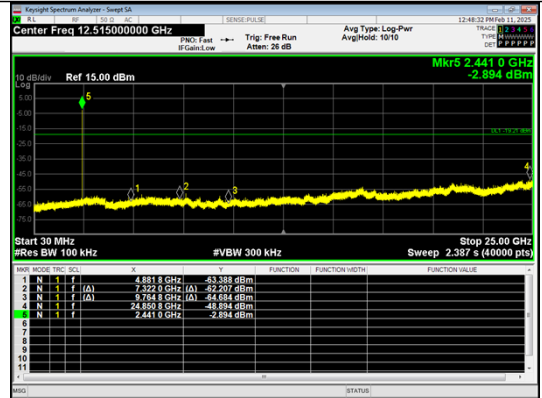
Out Of Band Emission
8DPSK_3-DH5_Channel 0



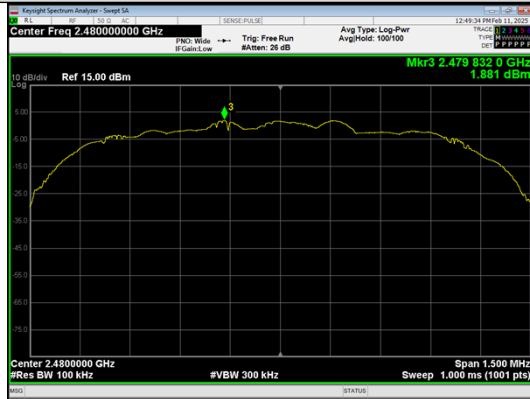
30.0 MHz - 25000.0 MHz 8DPSK_3-DH5_Channel 0



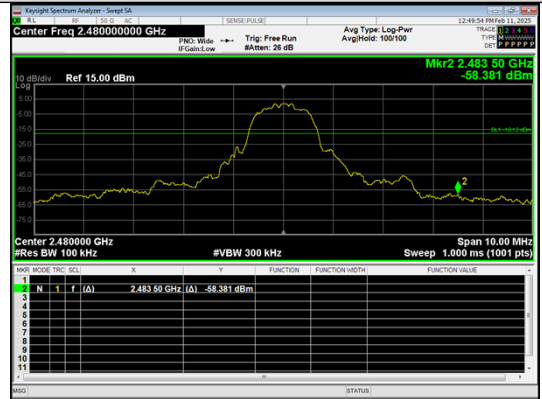
In-Band Reference Level 8DPSK_3-DH5_Channel 39



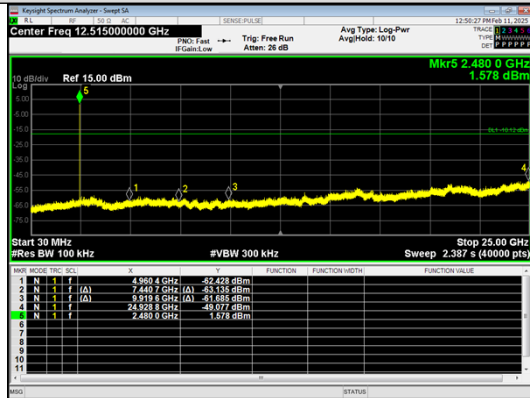
Out Of Band Emission 8DPSK_3-DH5_Channel 39



30.0 MHz - 25000.0 MHz 8DPSK_3-DH5_Channel 39

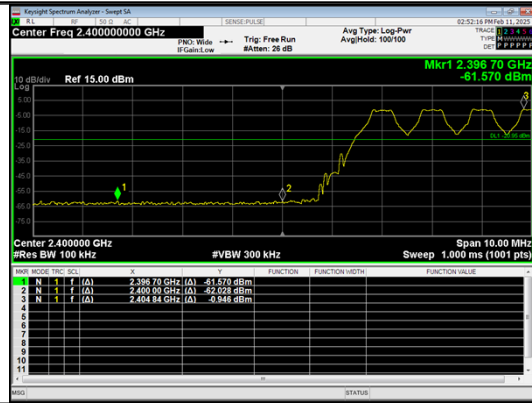


In-Band Reference Level 8DPSK_3-DH5_Channel 78

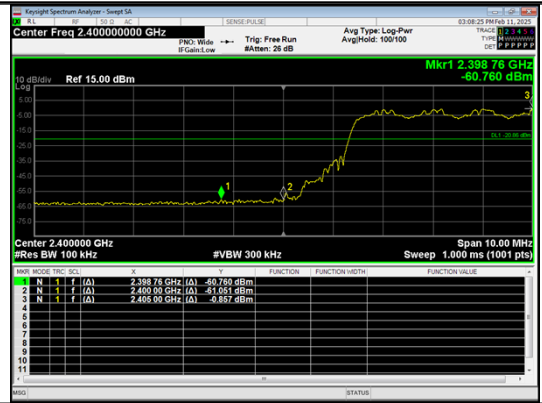


Out Of Band Emission 8DPSK_3-DH5_Channel 78

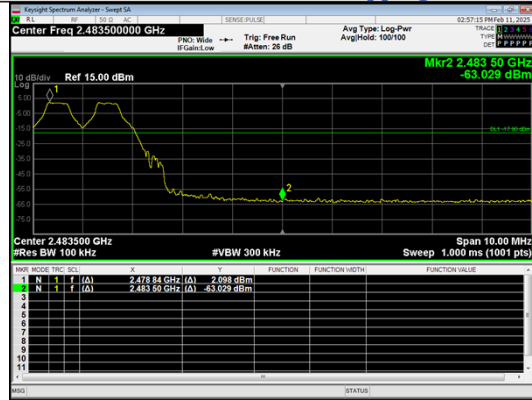
30.0 MHz - 25000.0 MHz 8DPSK_3-DH5_Channel 78



Out Of Band Emission(Left)
GFSK_DH5_Channel Hopping



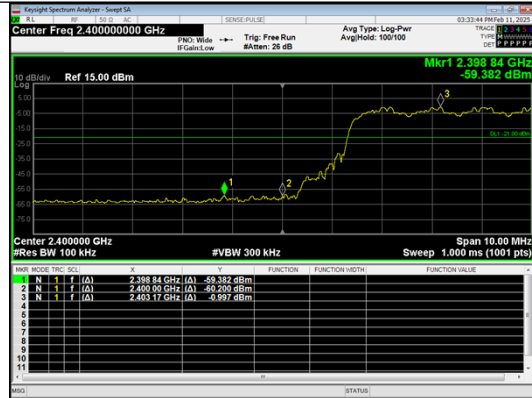
Out Of Band Emission(Left)
 $\pi/4$ DQPSK_2-DH5_Channel Hopping



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

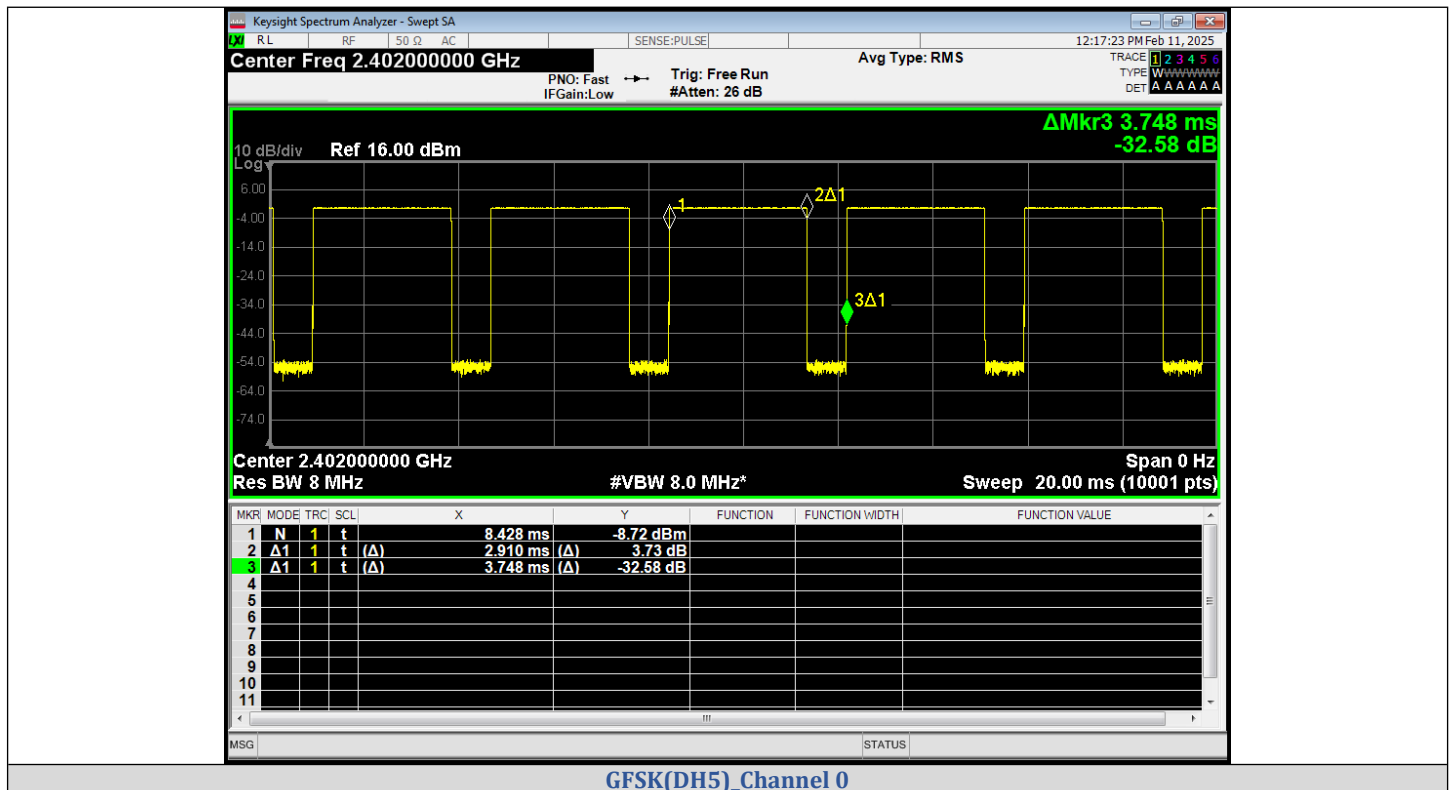


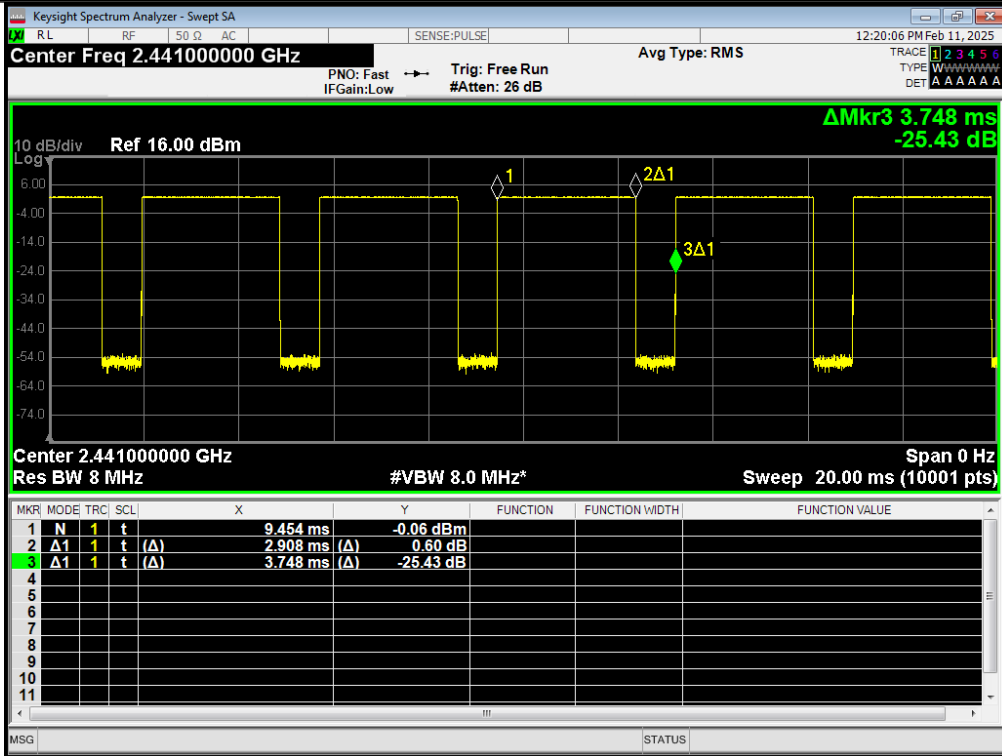
Duty Cycle

Test Result

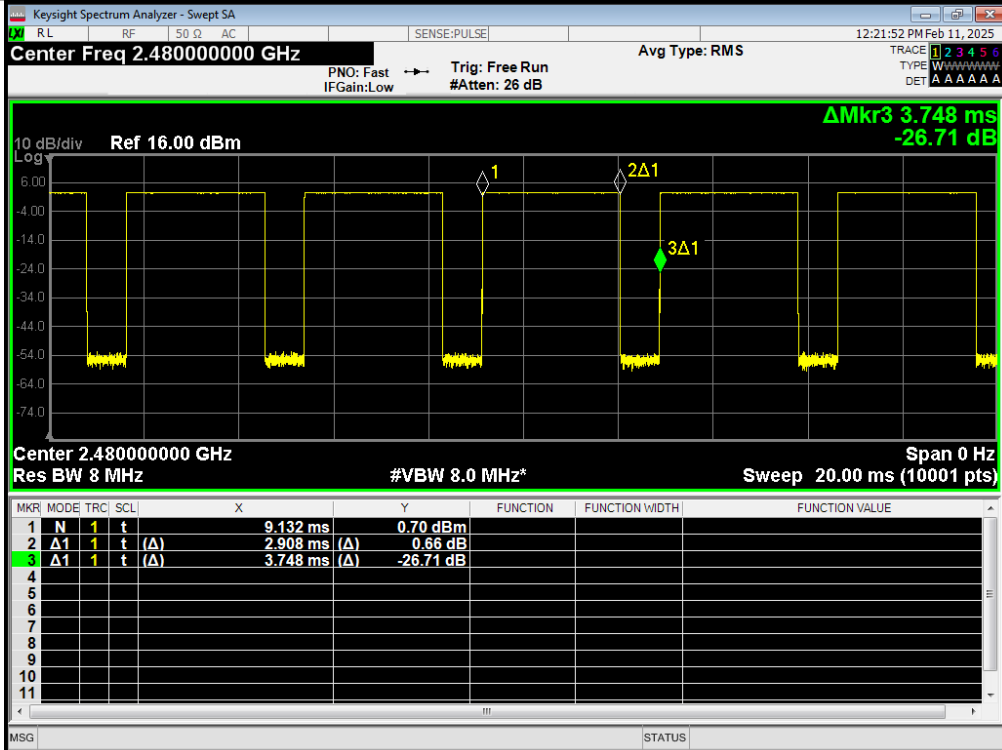
Modulation	Packets	Channel	On Time (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle (linear)	Duty Cycle Factor (dB)
GFSK	DH5	0	2.910	3.748	77.64	0.7764	1.0991
		39	2.908	3.748	77.59	0.7759	1.1019
		78	2.908	3.748	77.59	0.7759	1.1019
$\pi/4$ DQPSK	2-DH5	0	2.899	3.749	77.31	0.7731	1.1176
		39	2.897	3.748	77.30	0.7730	1.1182
		78	2.899	3.749	77.31	0.7731	1.1176
8DPSK	3-DH5	0	2.896	3.748	77.27	0.7727	1.1199
		39	2.896	3.748	77.27	0.7727	1.1199
		78	2.897	3.749	77.28	0.7728	1.1193

Test Graphs

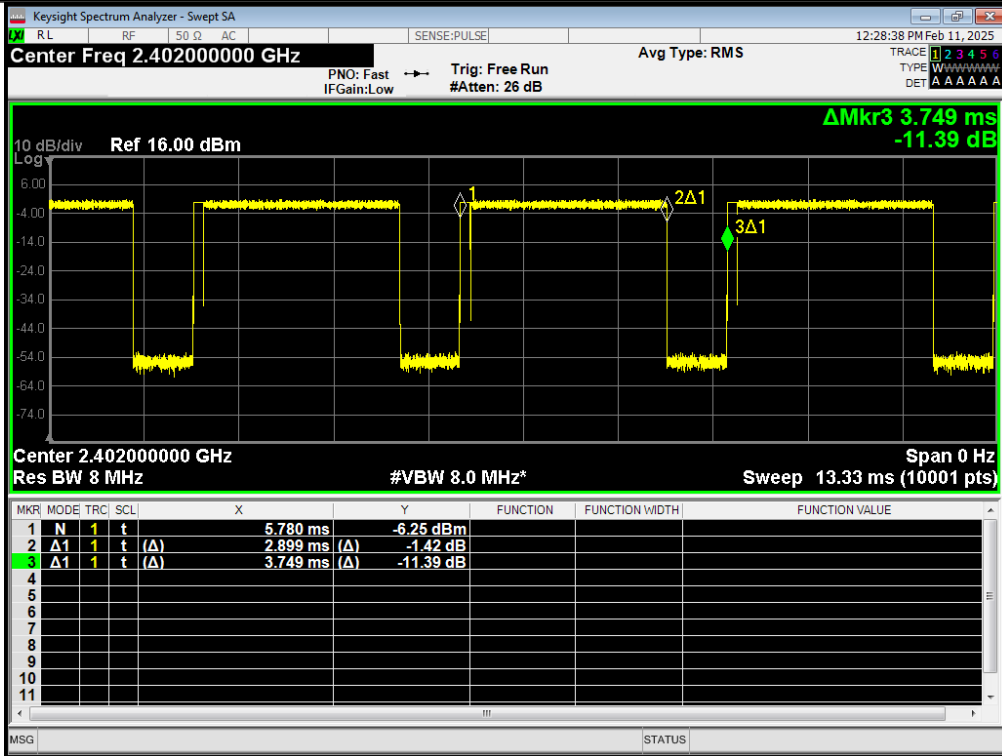




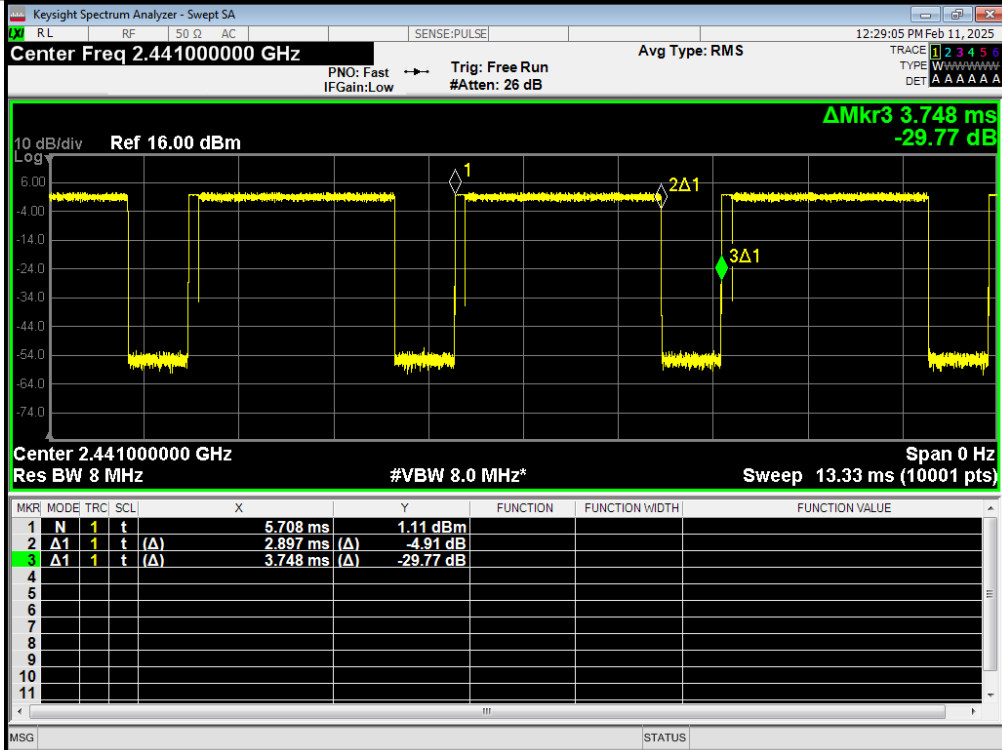
GFSK(DH5)_Channel 39



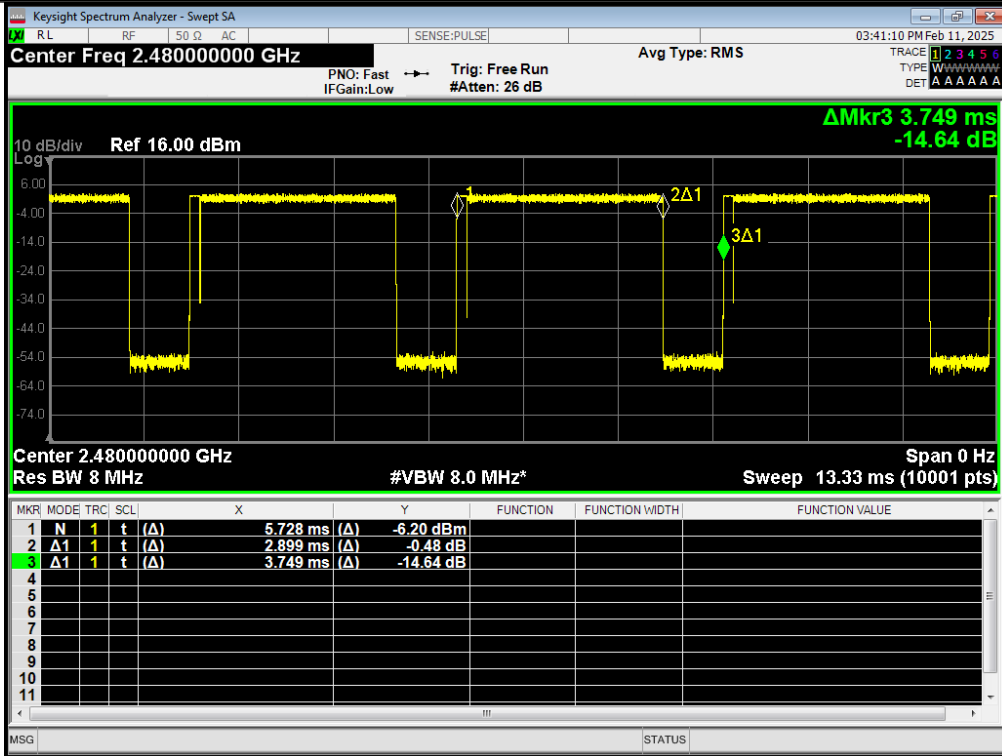
GFSK(DH5)_Channel 78



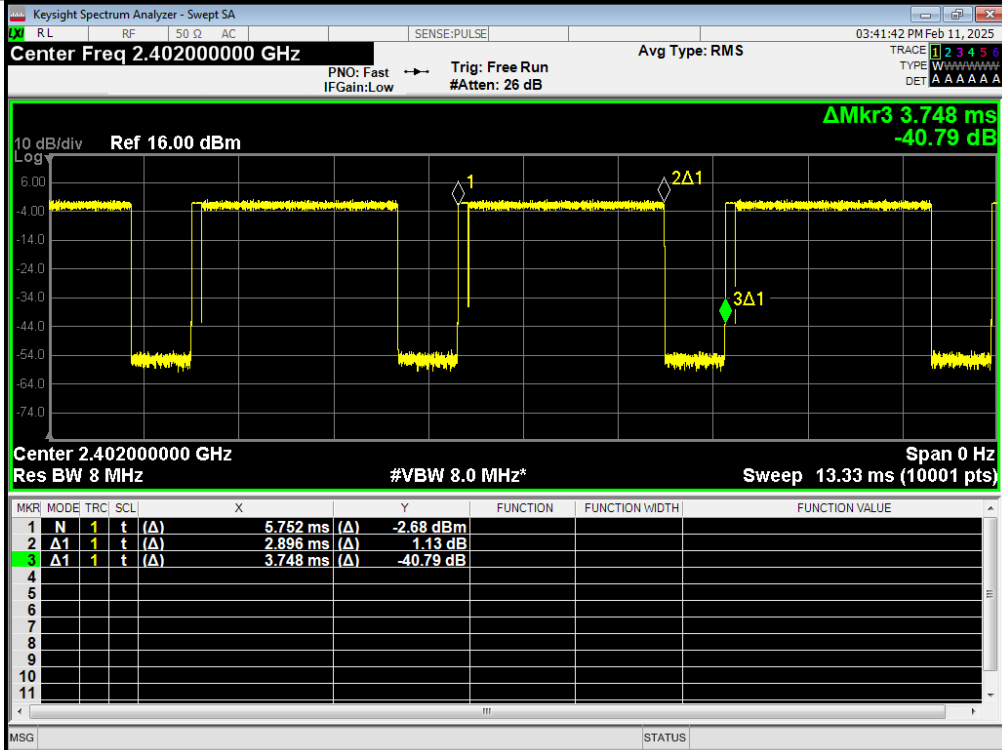
$\pi/4$ DQPSK(2-DH5)_Channel 0



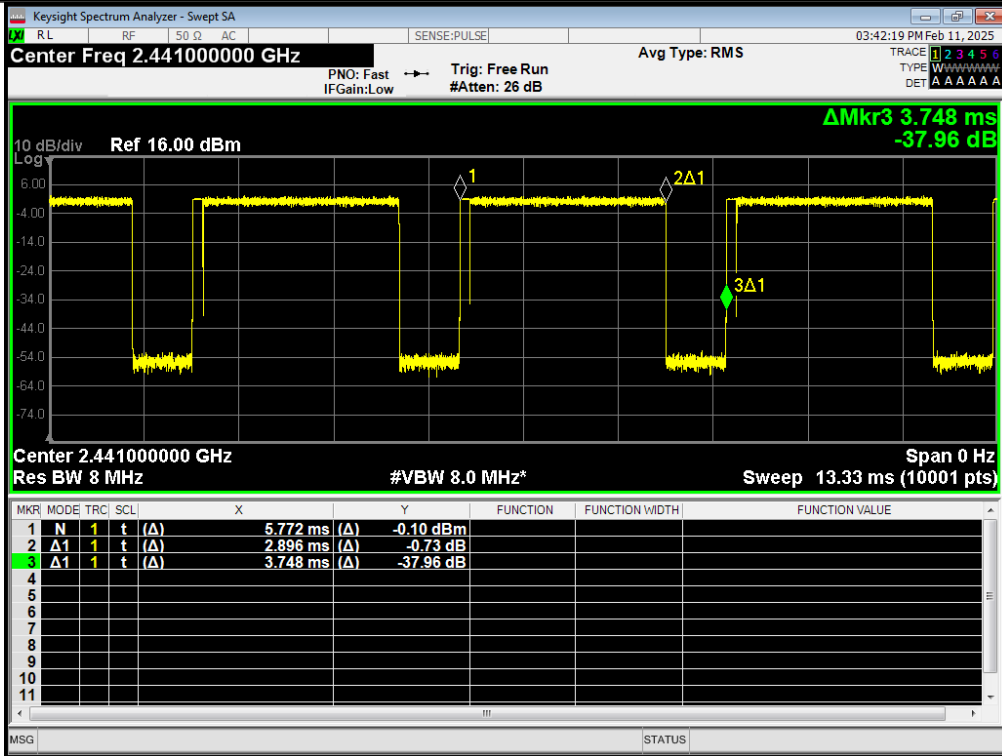
$\pi/4$ DQPSK(2-DH5)_Channel 39



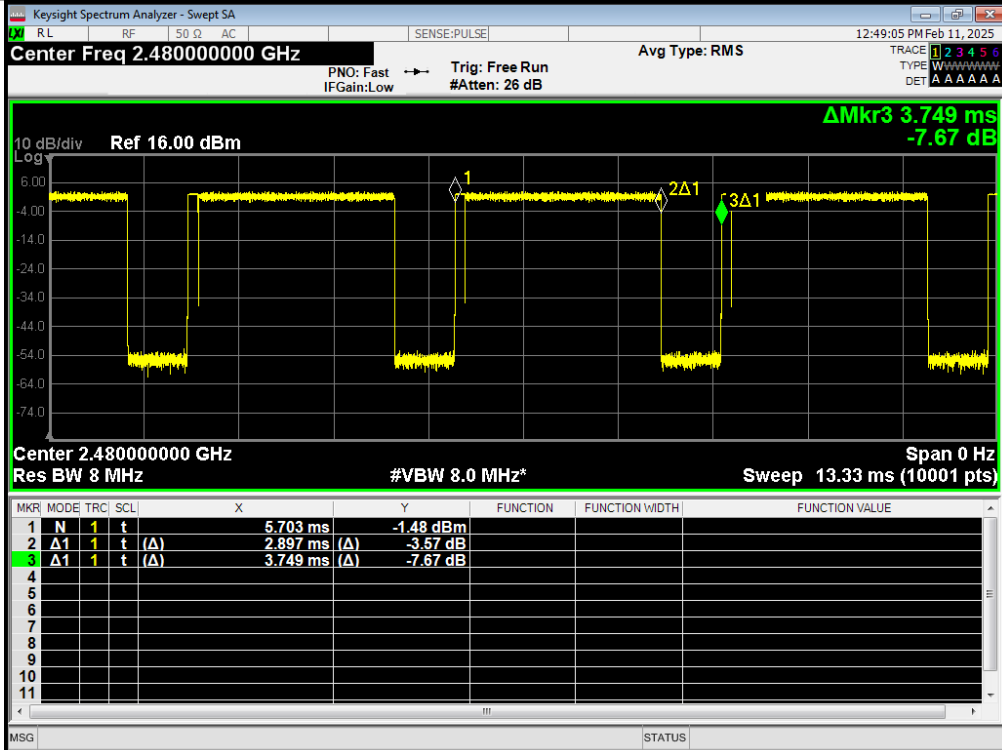
$\pi/4$ DQPSK(2-DH5)_Channel 78



8DPSK(3-DH5)_Channel 0



8DPSK(3-DH5)_Channel 39

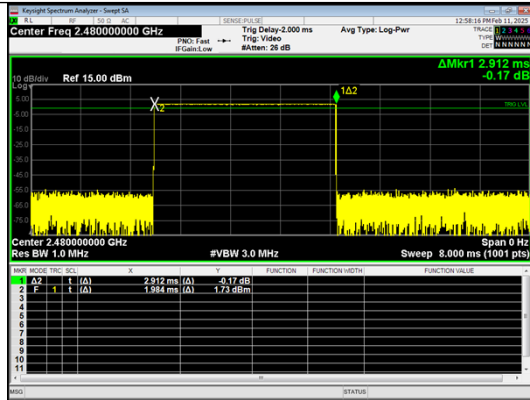


8DPSK(3-DH5)_Channel 78

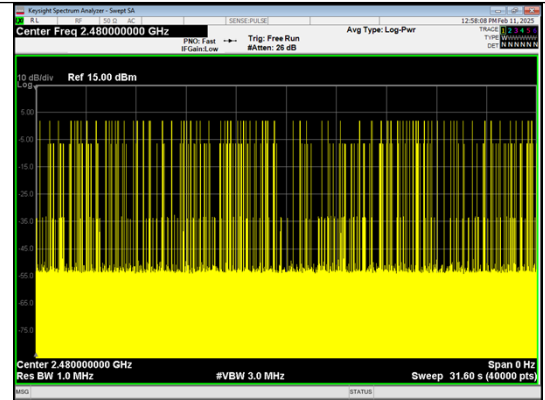
Dwell Time Test Result

Modulation	Packet	Channel	Pulse Width (ms)	Number of Pulses in 31.6 seconds	Dwell Time (ms)	Limit (ms)	Result
GFSK	DH5	CH78 (2480MHz)	2.912	106	308.67	< 400	PASS
$\pi/4$ DQPSK	2-DH5		2.896	97	280.91		PASS
8DPSK	3-DH5		2.896	123	356.21		PASS

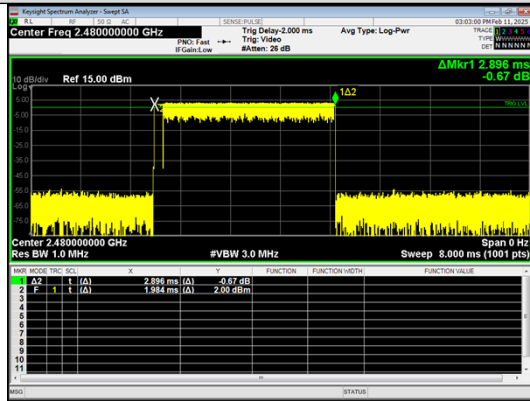
Test Graphs



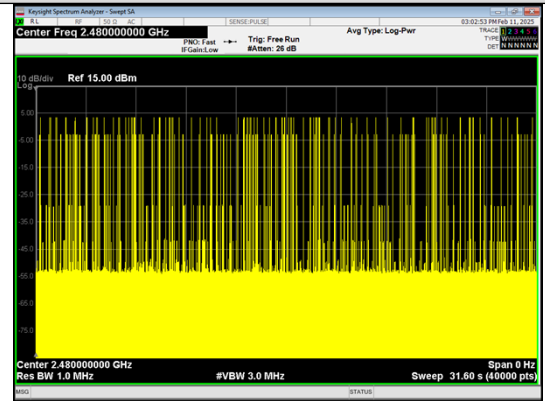
**Pulse Width
GFSK_DH5**



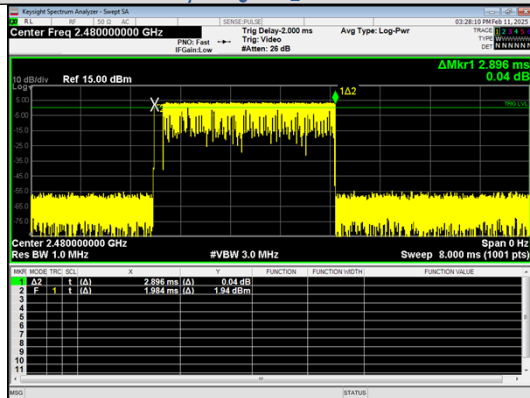
**Number of Pulses in 31.6 seconds
GFSK_DH5**



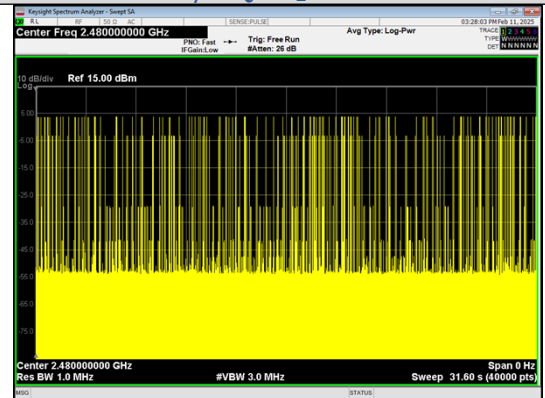
**Pulse Width
 $\pi/4$ DQPSK_2-DH5**



**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

