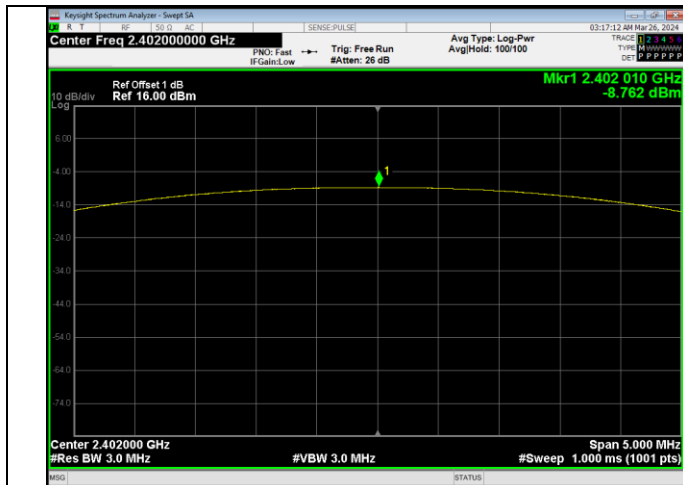




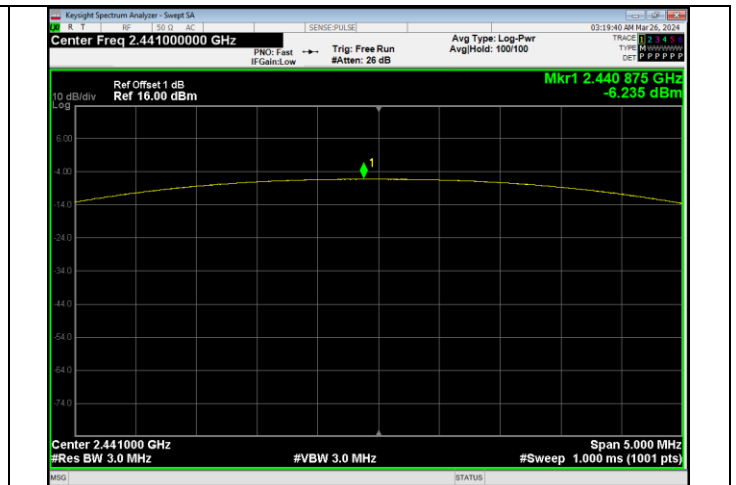
Conducted Peak Output Power Test Result

Modulation	Packet Type	Channel	Peak Output Power (dBm)	Peak Output Power (mW)	Max. Avg. Power (dBm)	Limit (dBm)	Result
GFSK	DH5	0	-8.762	0.133	None	30	PASS
		39	-6.235	0.238	None		PASS
		78	-5.960	0.254	None		PASS
$\pi/4$ DQPSK	2-DH5	0	-6.784	0.210	None	20.97	PASS
		39	-4.283	0.373	None		PASS
		78	-3.931	0.404	None		PASS
8DPSK	3-DH5	0	-6.515	0.223	None	20.97	PASS
		39	-3.953	0.402	None		PASS
		78	-3.607	0.436	None		PASS

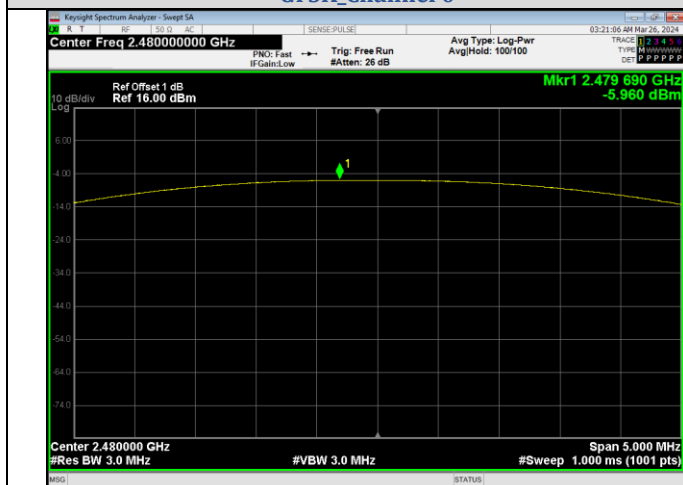
Test Graphs



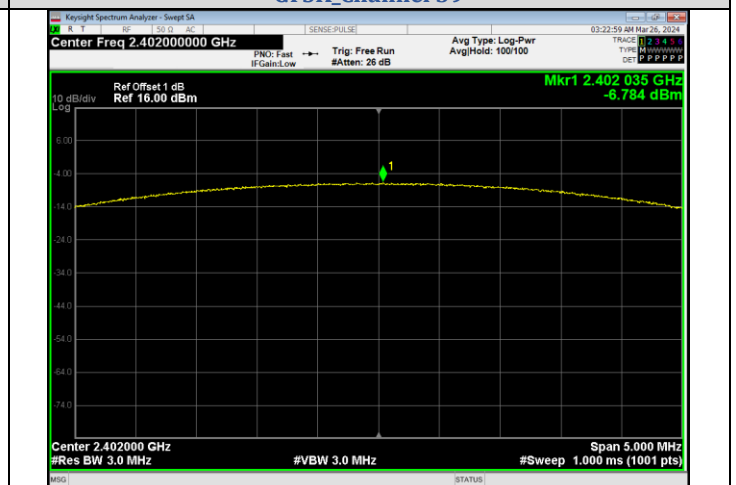
Peak Output Power
GFSK_Channel 0



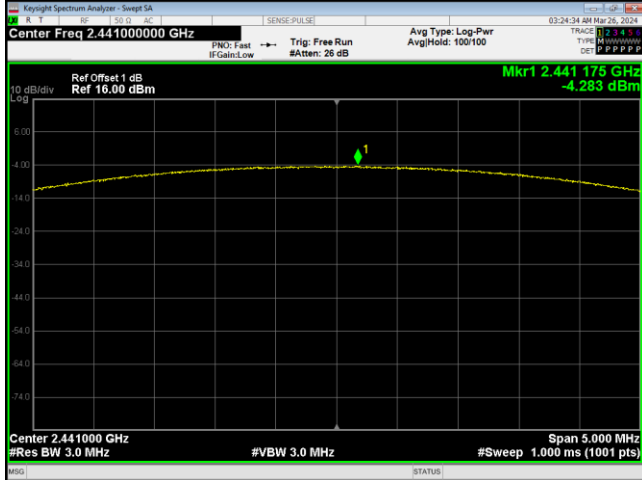
Peak Output Power
GFSK_Channel 39



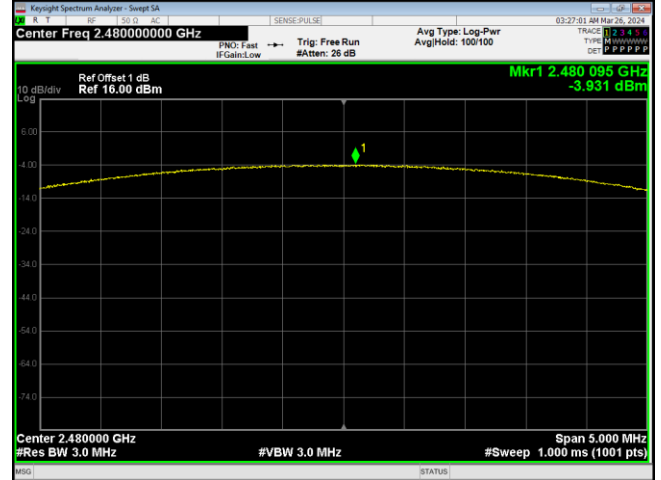
Peak Output Power
GFSK_Channel 78



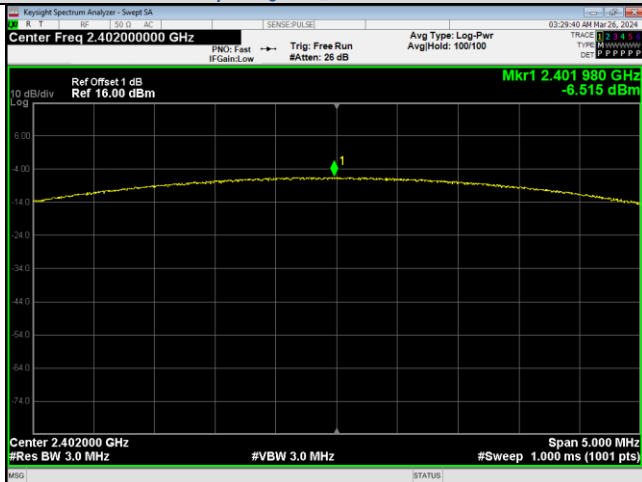
Peak Output Power
 $\pi/4$ DQPSK_Channel 0



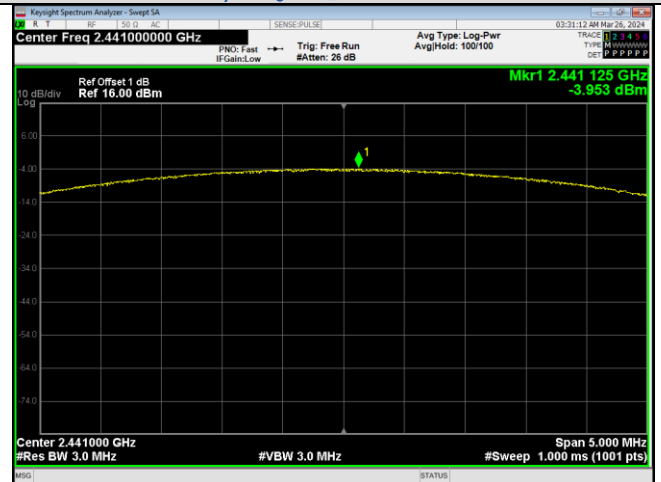
Peak Output Power
 $\pi/4$ DQPSK_Channel 39



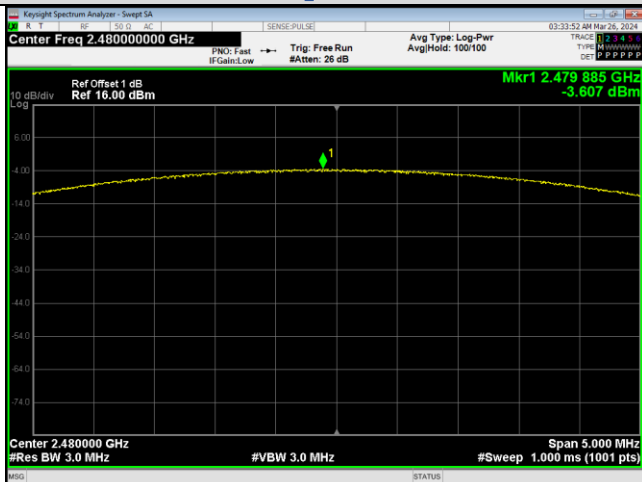
Peak Output Power
 $\pi/4$ DQPSK_Channel 78



Peak Output Power
8DPSK_Channel 0



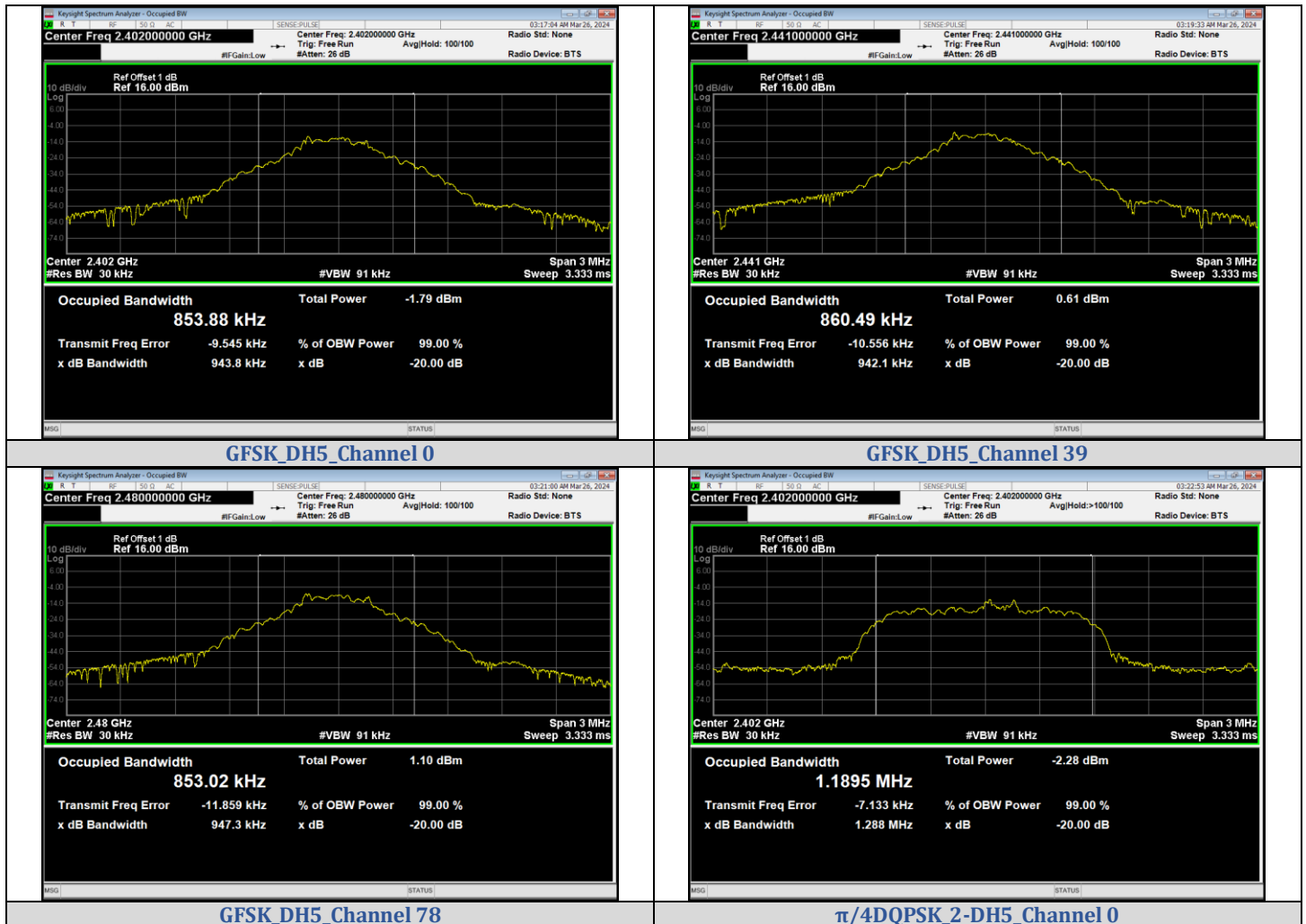
Peak Output Power
8DPSK_Channel 39

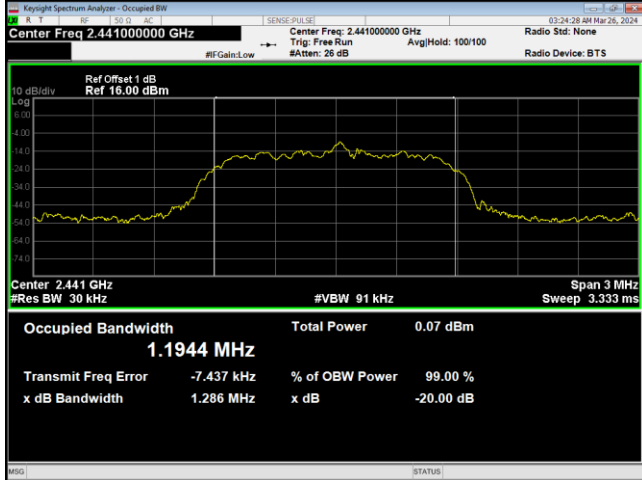
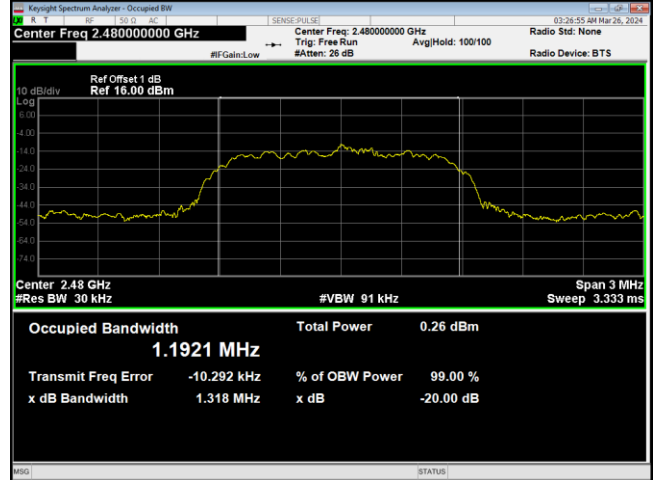
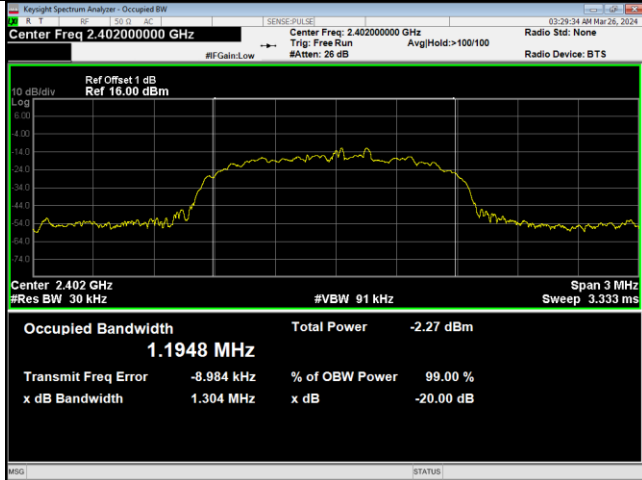


Peak Output Power
8DPSK_Channel 78

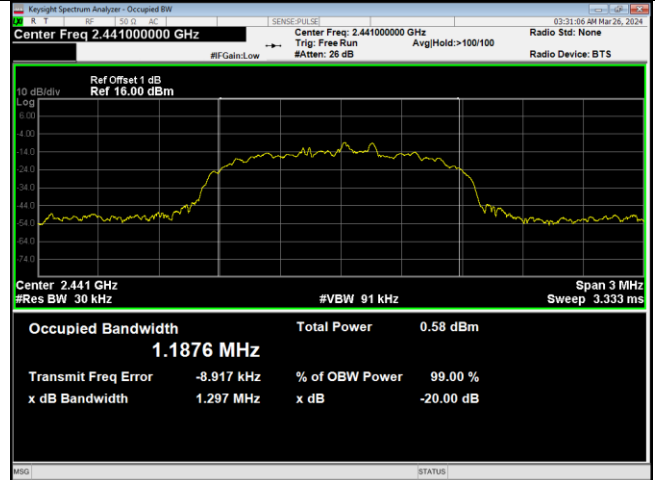
**20dB Bandwidth****Test Result**

Modulation	Channel	Center Frequency (MHz)	20 dB Bandwidth (MHz)
GFSK	0	2402 MHz	0.9438
	39	2441 MHz	0.9421
	78	2480 MHz	0.9473
$\pi/4$ DQPSK	0	2402 MHz	1.288
	39	2441 MHz	1.286
	78	2480 MHz	1.318
8DPSK	0	2402 MHz	1.304
	39	2441 MHz	1.297
	78	2480 MHz	1.297

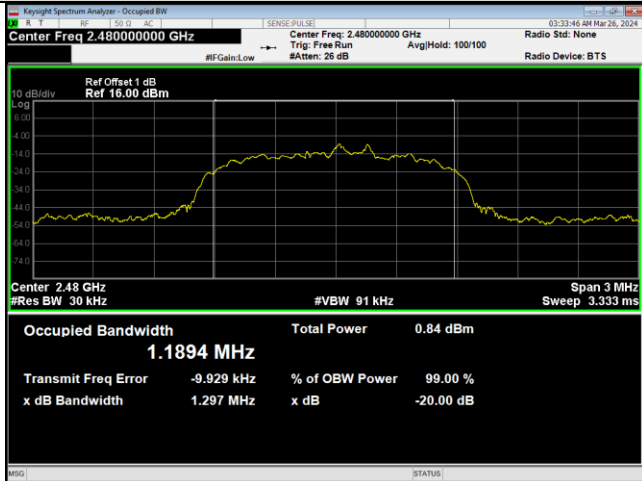
Test Graphs


 $\pi/4$ 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

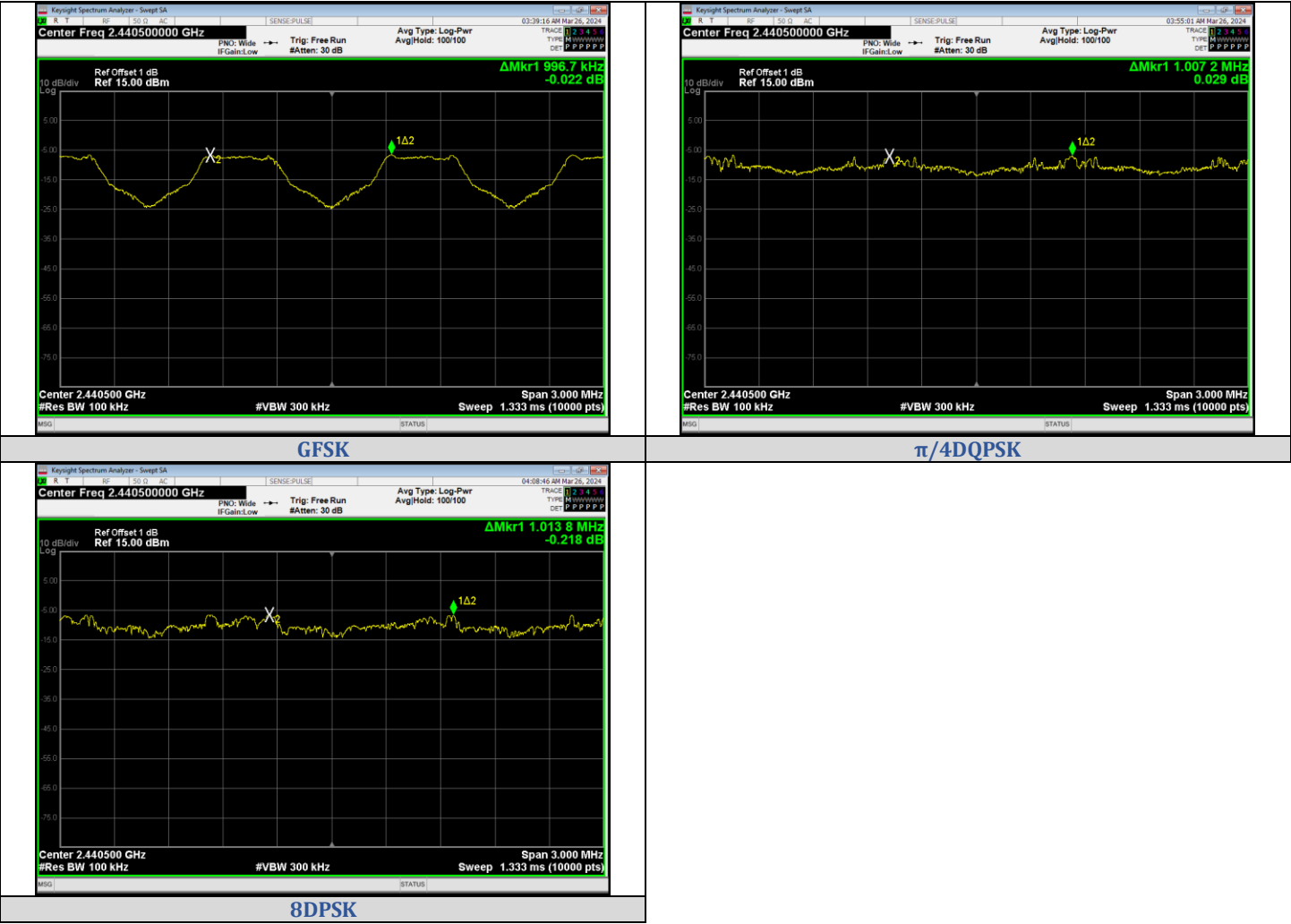


Carrier Frequencies Separation

Test Result

Modulation	Packet	Left Center frequency (MHz)	Right Center frequency (MHz)	Hopping Frequency Separation (MHz)	Limit (MHz)	Result
GFSK	DH5	2439.8308	2440.8275	0.9967	0.632	PASS
$\pi/4$ DQPSK	2-DH5	2440.0201	2441.0273	1.0072	0.879	PASS
8DPSK	3-DH5	2440.1557	2441.1695	1.0138	0.865	PASS

Test Graphs



**Conducted Out Of Band Emission****Test Result**

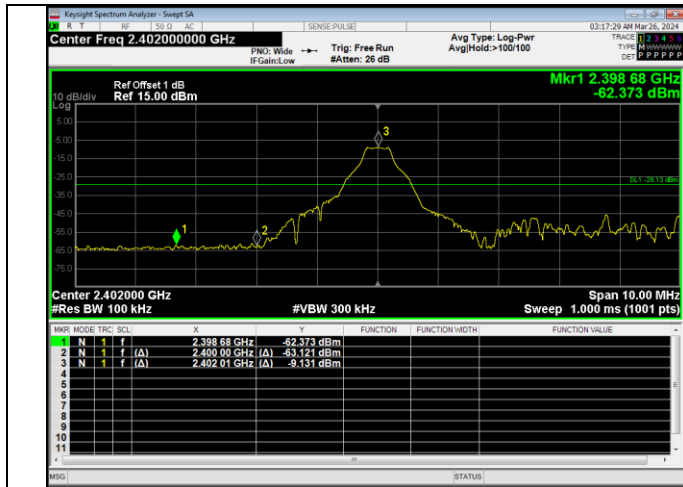
Non-Hopping

Modulation	Packet	Channel	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result
GFSK	DH5	0	2400.00	-63.121	-29.13	-33.991	PASS
			2398.68	-62.373	-29.13	-33.243	PASS
			2215.60	-40.284	-29.13	-11.154	PASS
		39	2254.26	-39.182	-26.59	-12.592	PASS
		78	2483.50	-63.259	-26.31	-36.949	PASS
			2292.96	-49.980	-26.31	-23.670	PASS
$\pi/4$ DQPSK	2-DH5	0	2400.00	-62.602	-29.26	-33.342	PASS
			2398.59	-61.135	-29.26	-31.875	PASS
			2215.60	-43.469	-29.26	-14.209	PASS
		39	2254.26	-43.933	-27.08	-16.853	PASS
		78	2483.50	-62.340	-26.65	-35.690	PASS
			24853.3	-50.594	-26.65	-23.944	PASS
8DPSK	3-DH5	0	2400.00	-61.208	-29.21	-31.998	PASS
			2215.55	-42.017	-29.21	-12.807	PASS
		39	2254.26	-43.078	-26.79	-16.288	PASS
		78	2483.50	-61.870	-26.43	-35.440	PASS
			24996.2	-50.001	-26.43	-23.571	PASS

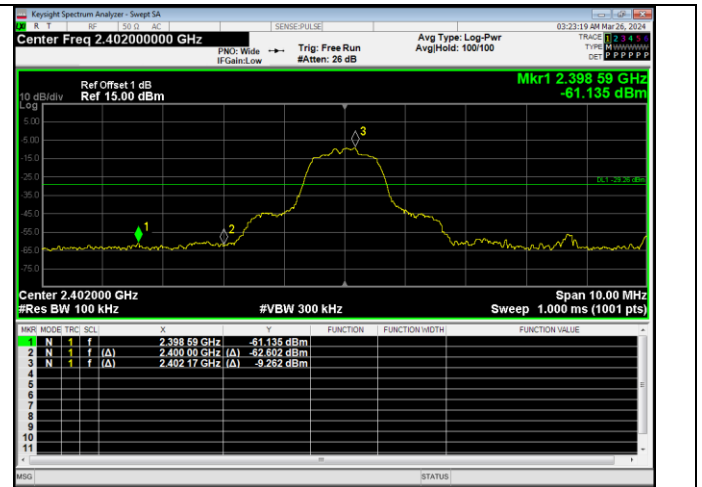
Hopping

Modulation	Packet	Channel	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result
GFSK	DH5	Hopping	2397.54	-60.638	-29.05	-31.588	PASS
			2400.00	-62.360	-29.05	-33.310	PASS
			2483.50	-61.844	-26.06	-35.784	PASS
$\pi/4$ DQPSK	2-DH5		2397.56	-61.254	-29.14	-32.114	PASS
			2400.00	-62.838	-29.14	-33.698	PASS
			2483.50	-62.259	-26.33	-35.929	PASS
8DPSK	3-DH5		2397.63	-61.026	-29.02	-32.006	PASS
			2400.00	-61.152	-29.02	-32.132	PASS
			2483.50	-62.592	-26.13	-36.462	PASS

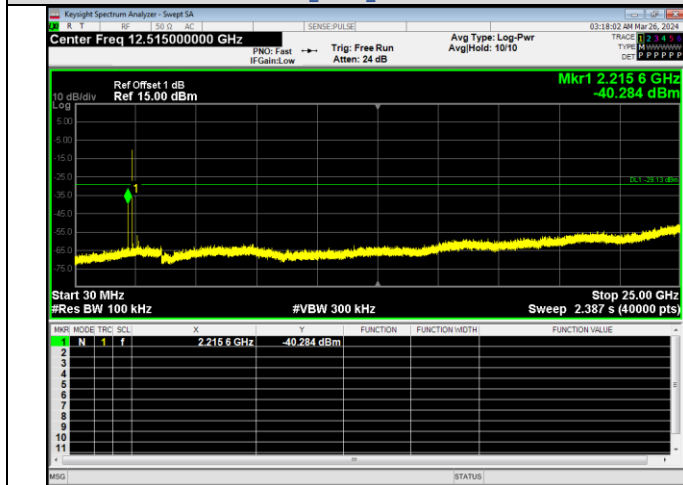
Test Graphs



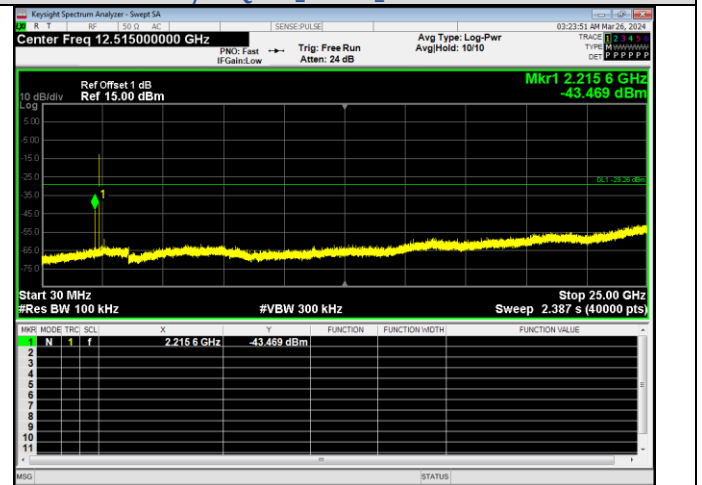
Out Of Band Emission
GFSK_DH5_Channel 0



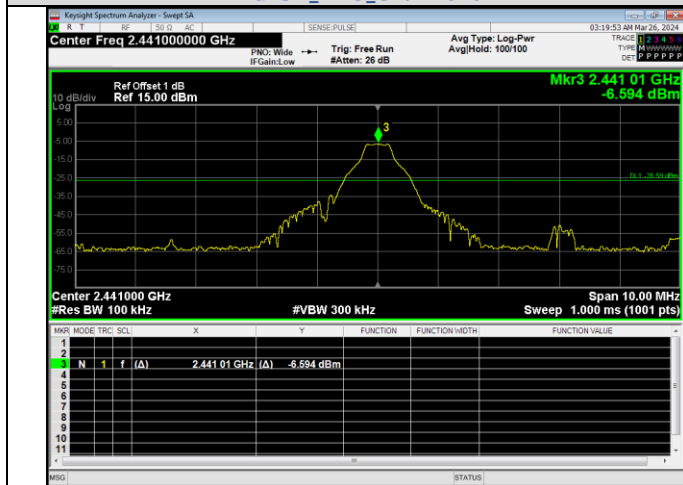
Out Of Band Emission
 $\pi/4$ DQPSK_2-DH5_Channel 0



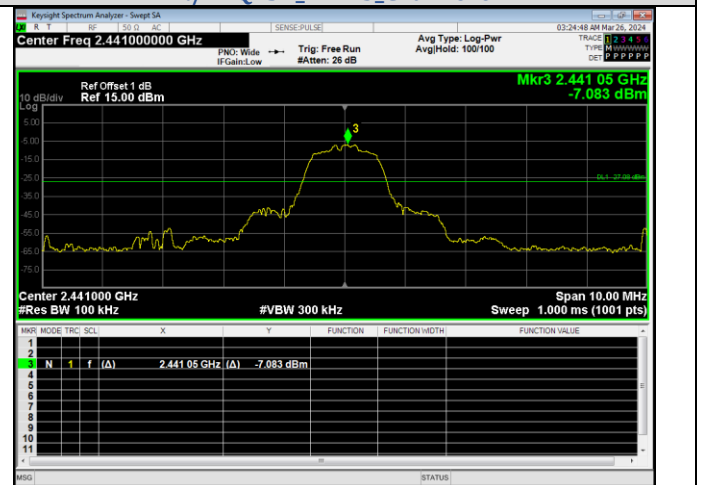
Spurious Emission
GFSK_DH5_Channel 0



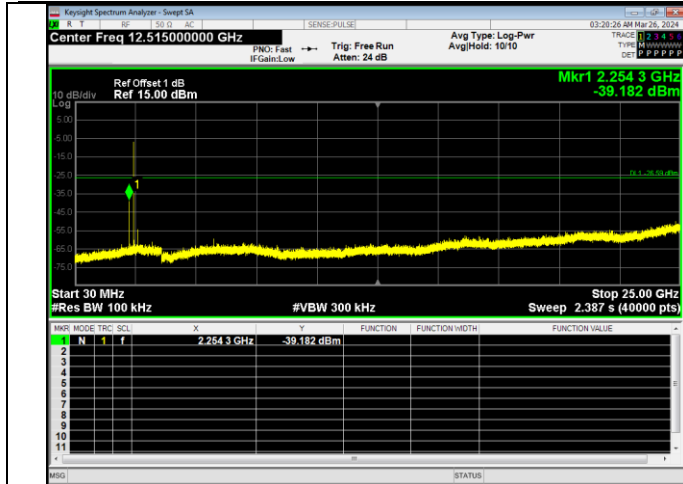
Spurious Emission
 $\pi/4$ DQPSK_2-DH5_Channel 0



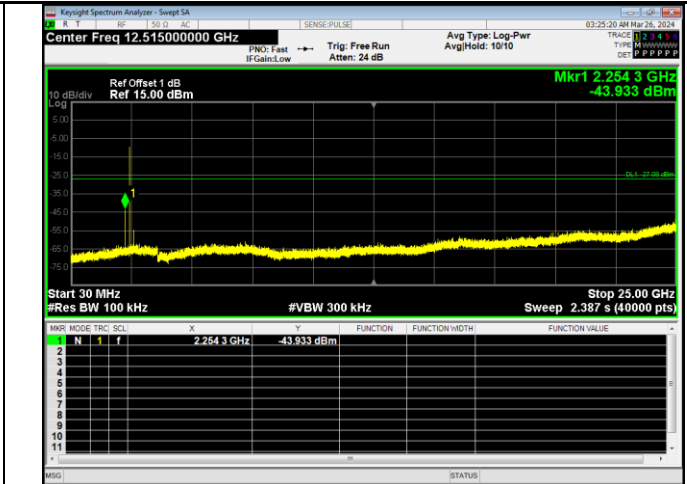
Out Of Band Emission
GFSK_DH5_Channel 39



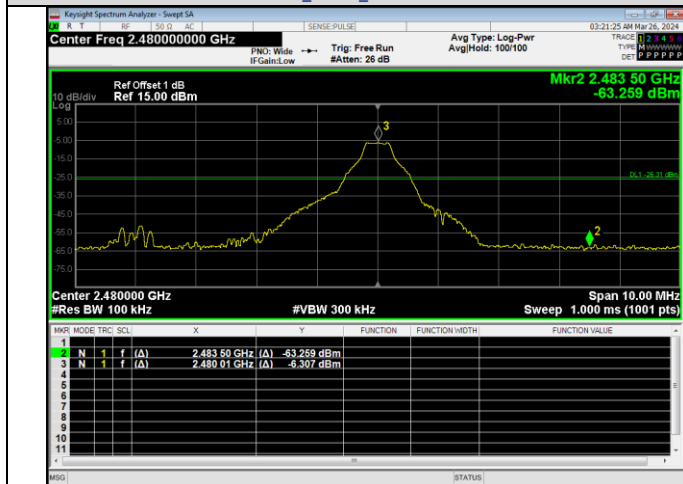
Out Of Band Emission
 $\pi/4$ DQPSK_2-DH5_Channel 39



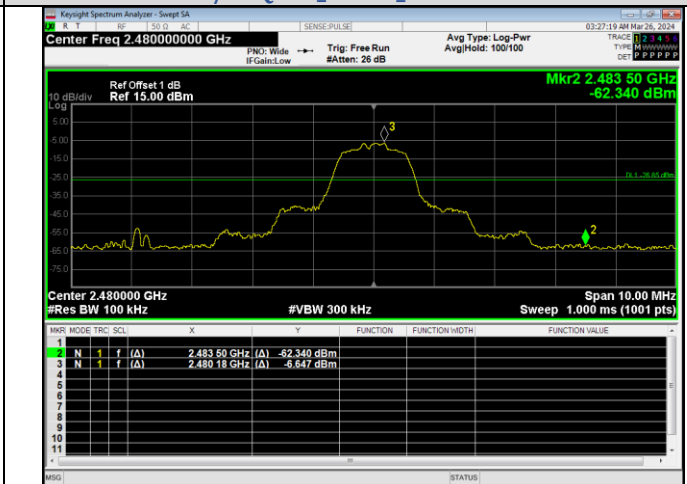
Spurious Emissions
GFSK_DH5_Channel 39



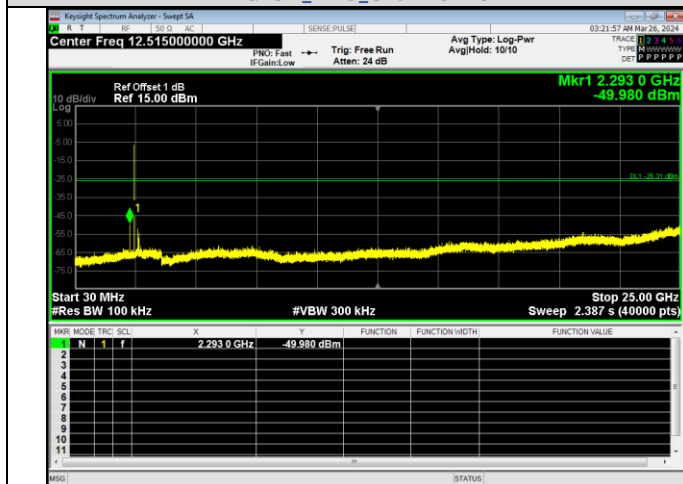
Spurious Emissions
 $\pi/4$ DQPSK_2-DH5_Channel 39



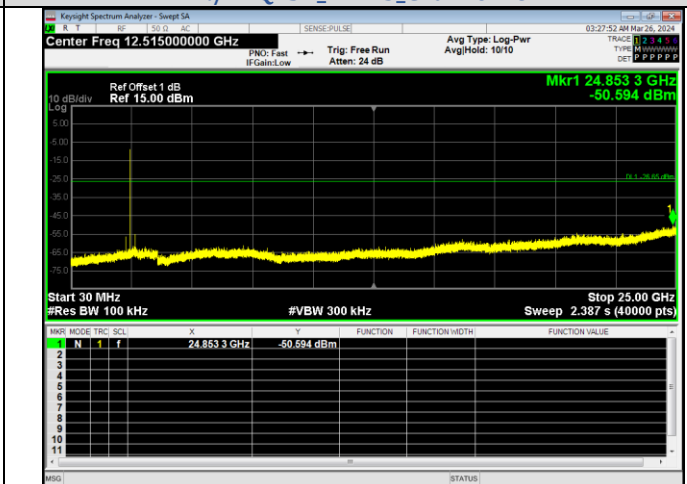
Out Of Band Emission
GFSK_DH5_Channel 78



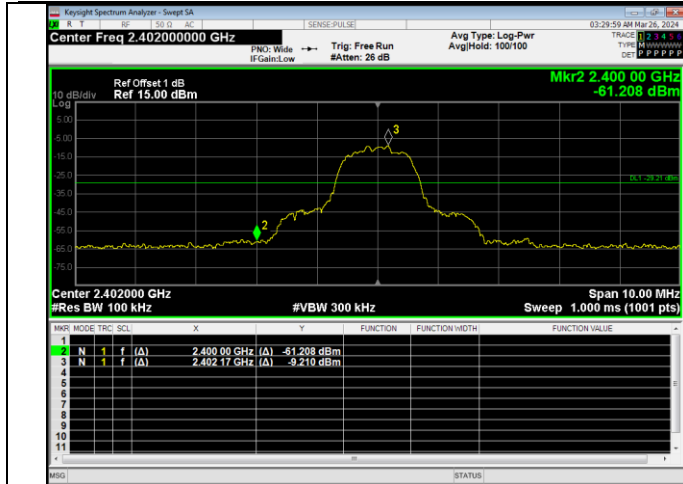
Out Of Band Emission
 $\pi/4$ DQPSK_2-DH5_Channel 78



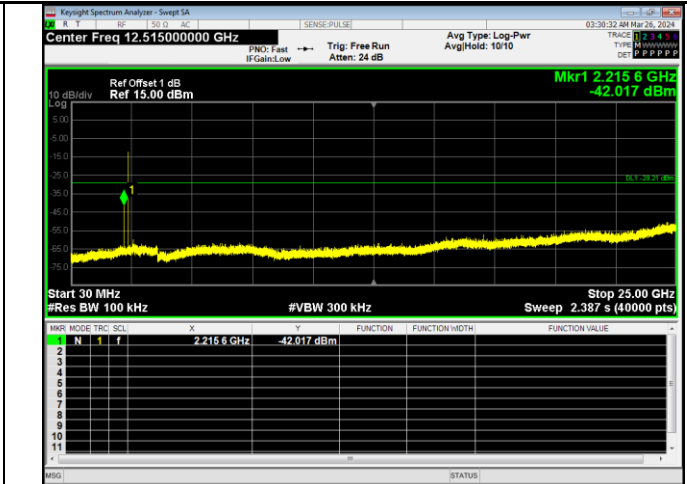
Spurious Emission
GFSK_DH5_Channel 78



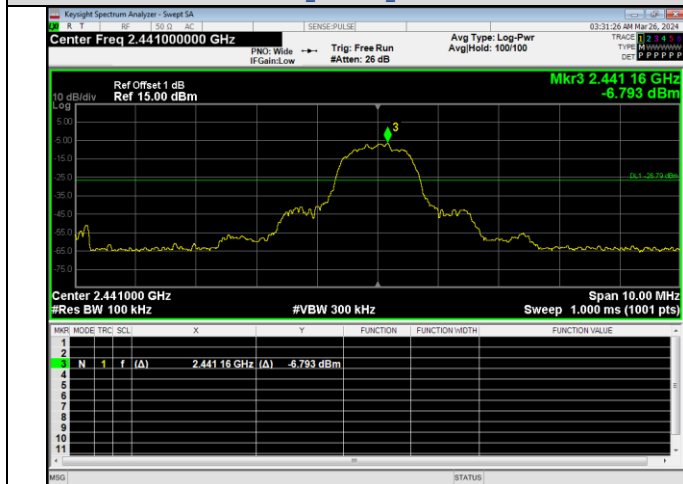
Spurious Emission
 $\pi/4$ DQPSK_2-DH5_Channel 78



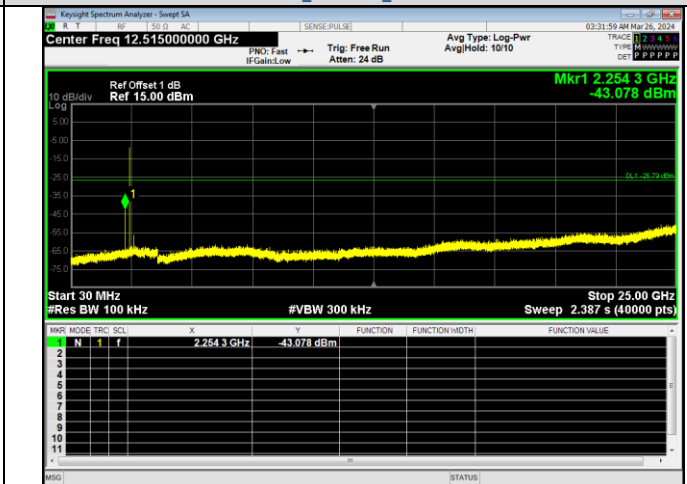
Out Of Band Emission
8DPSK_3-DH5_Channel 0



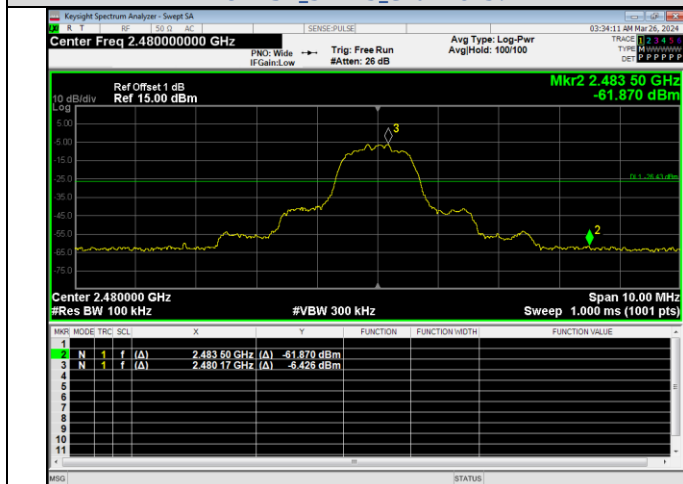
Spurious Emission
8DPSK_3-DH5_Channel 0



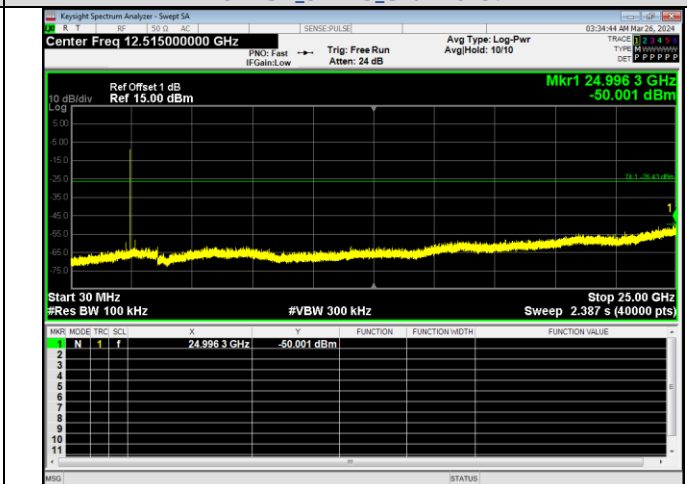
Out Of Band Emission
8DPSK_3-DH5_Channel 39



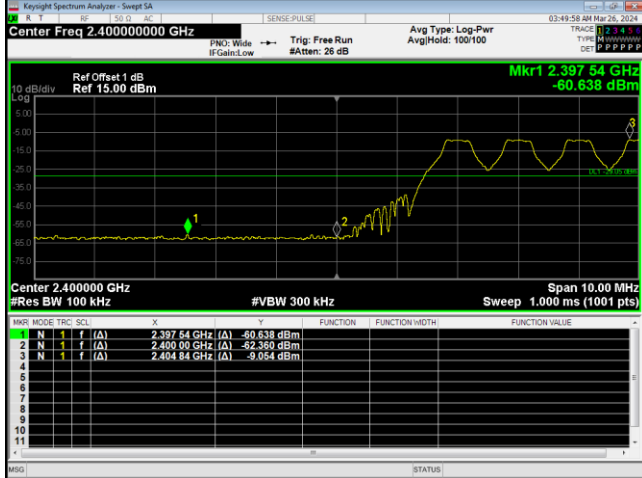
Spurious Emissions
8DPSK_3-DH5_Channel 39



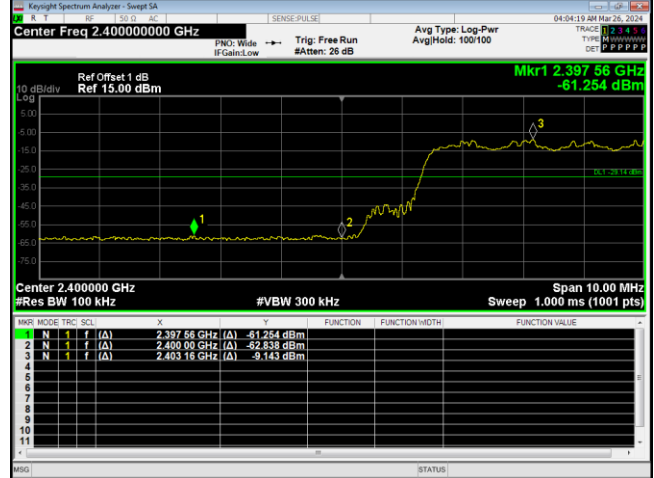
Out Of Band Emission
8DPSK_3-DH5_Channel 78



Spurious Emission
8DPSK_3-DH5_Channel 78



Out Of Band Emission(Left)
GFSK_DH5_Channel Hopping



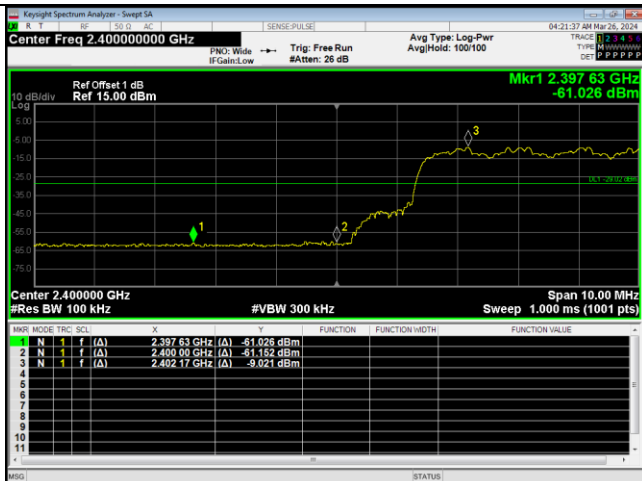
Out Of Band Emission(Left)
 $\pi/4$ DQPSK_2-DH5_Channel Hopping



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



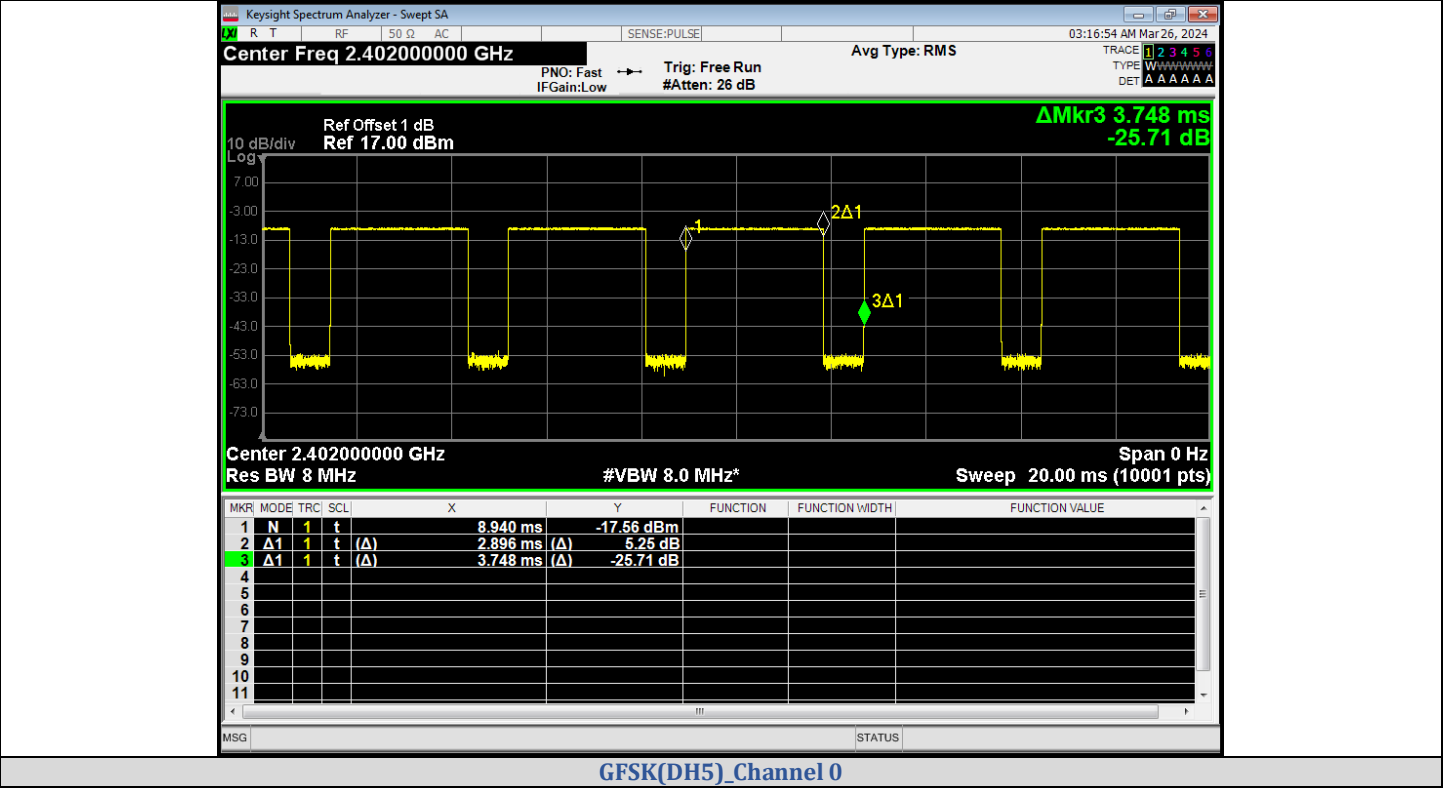
Out Of Band Emission(Right)
8DPSK_3-DH5_Channel Hopping

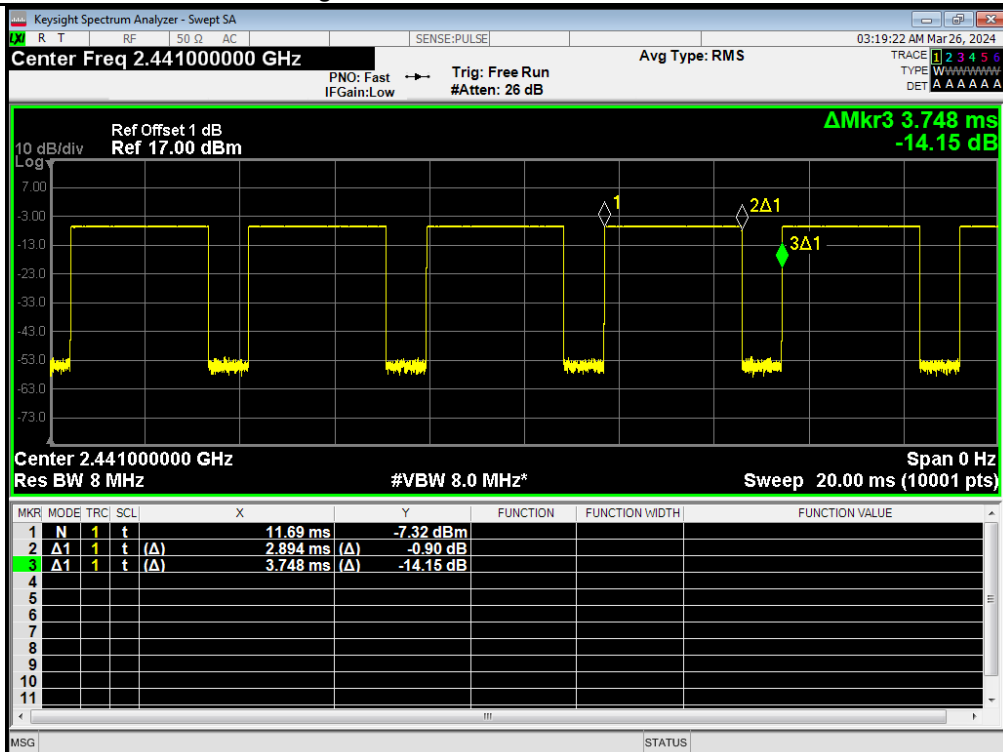


Duty Cycle
Test Result

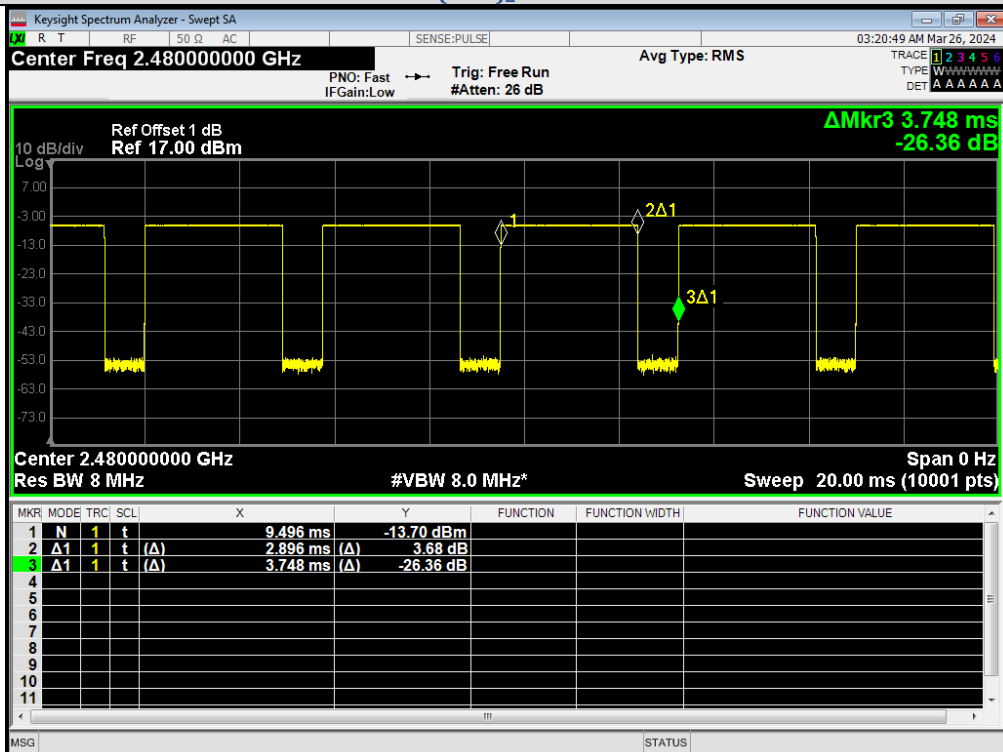
Modulation	Packets	Channel	On Time (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle (linear)	Duty Cycle Factor (dB)
GFSK	DH5	0	2.896	3.748	77.27	0.7727	1.1199
		39	2.894	3.748	77.21	0.7721	1.1233
		78	2.896	3.748	77.27	0.7727	1.1199
$\pi/4$ DQPSK	2-DH5	0	2.882	3.748	76.89	0.7689	1.1413
		39	2.884	3.748	76.95	0.7695	1.1379
		78	2.884	3.748	76.95	0.7695	1.1379
8DPSK	3-DH5	0	2.884	3.748	76.95	0.7695	1.1379
		39	2.884	3.748	76.95	0.7695	1.1379
		78	2.882	3.748	76.89	0.7689	1.1413

Test Graphs

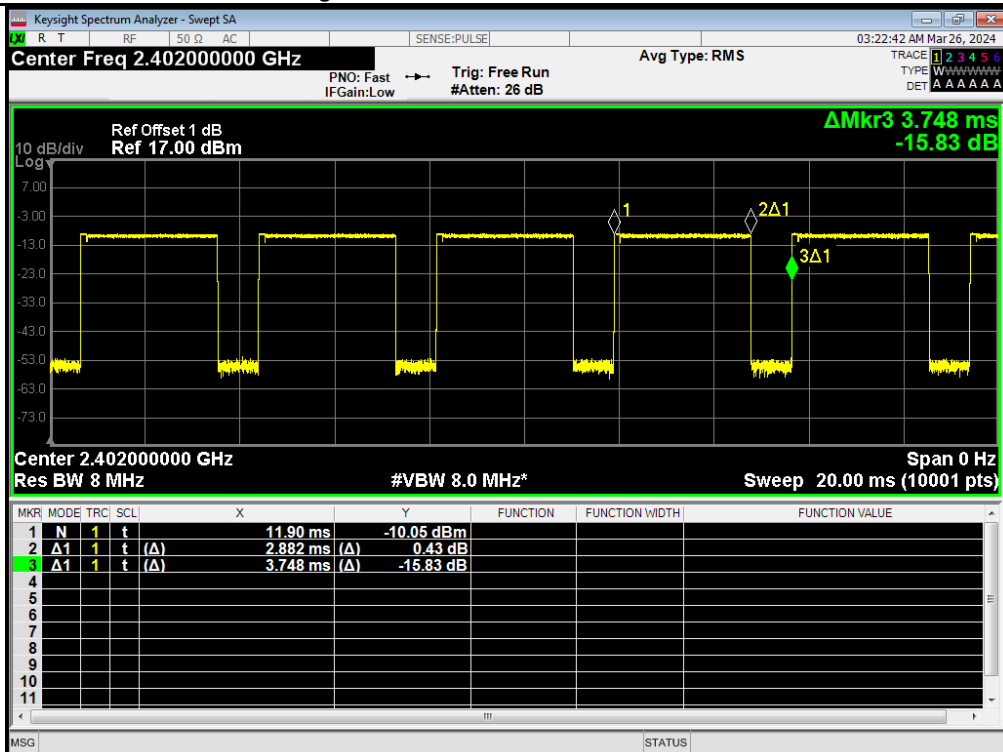
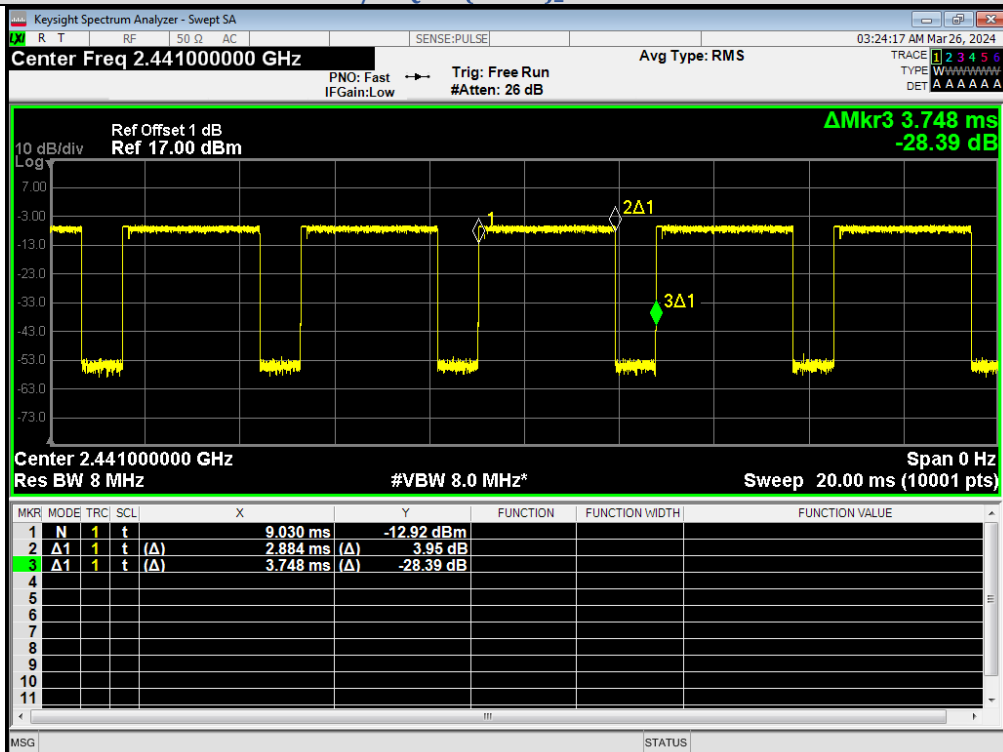


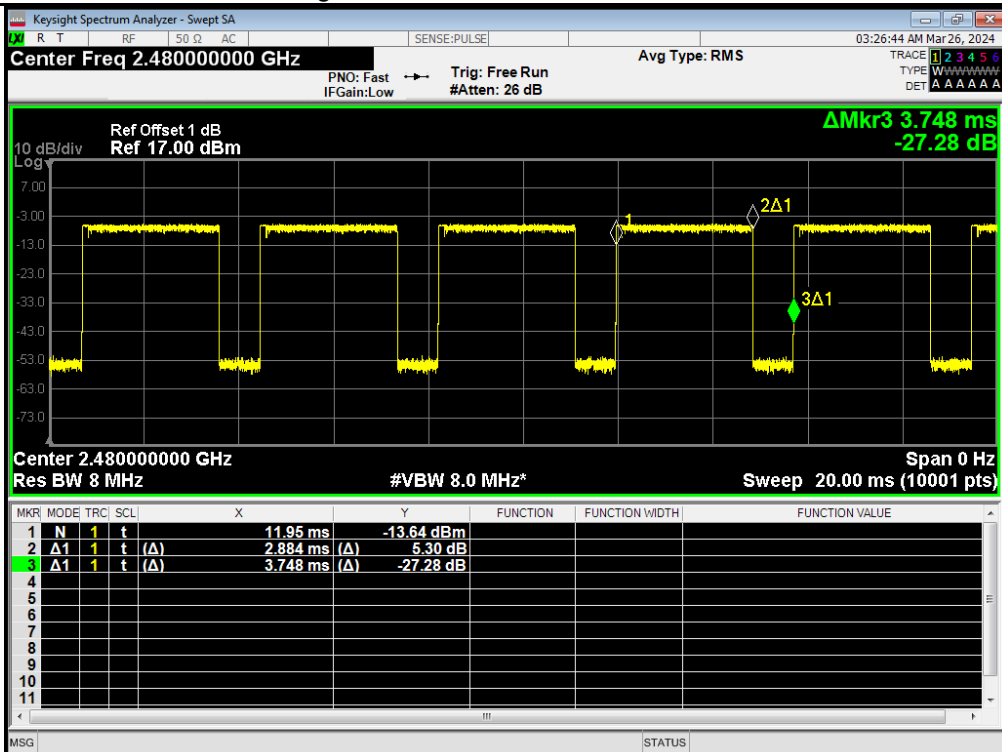
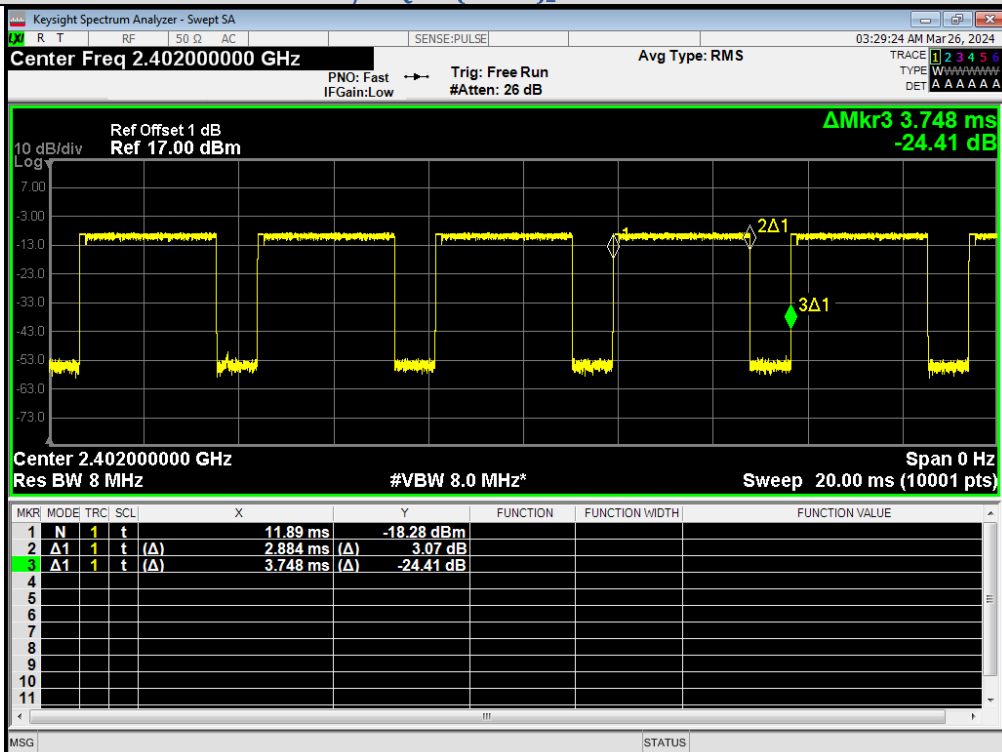


GFSK(DH5)_Channel 39

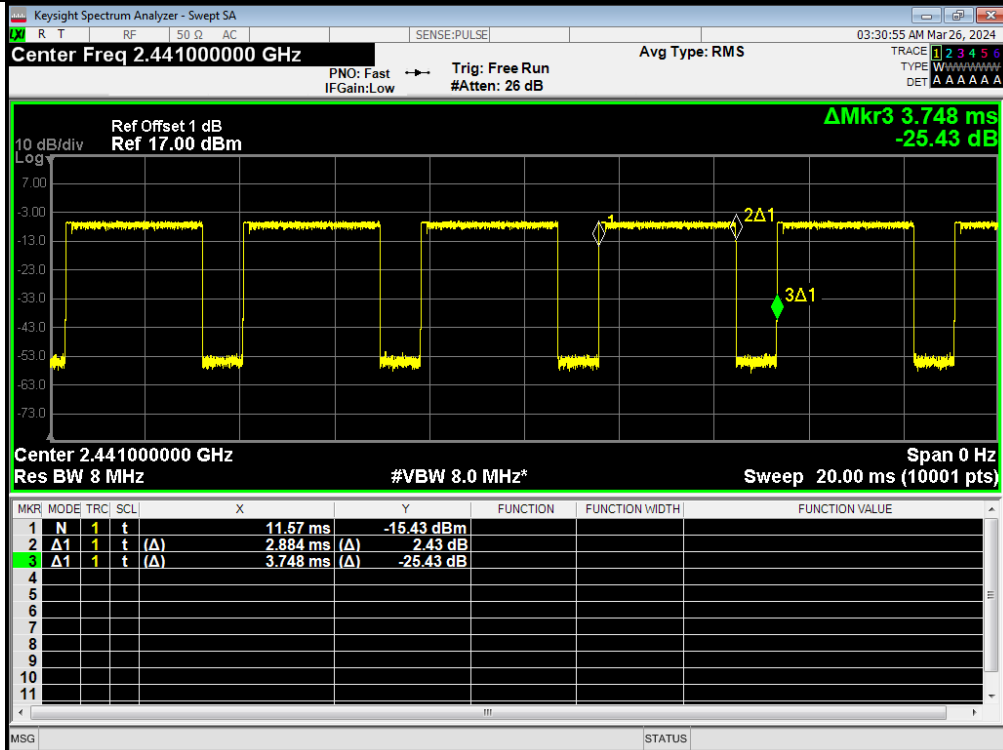


GFSK(DH5)_Channel 78

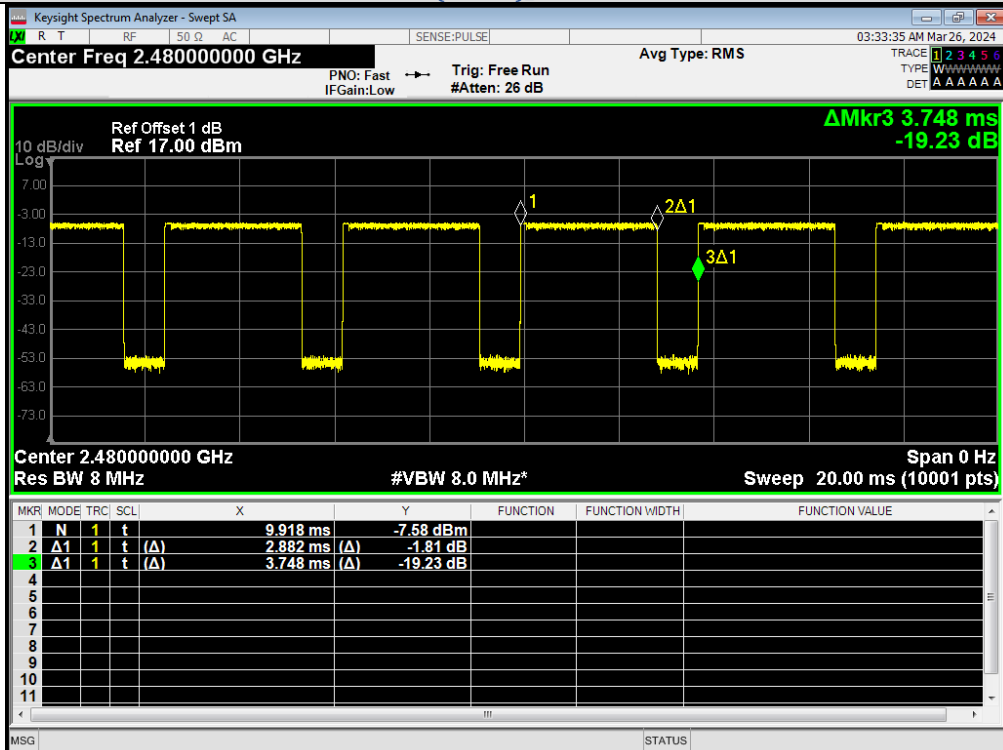
 $\pi/4$ DQPSK(2-DH5)_Channel 0 $\pi/4$ DQPSK(2-DH5)_Channel 39

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

8DPSK(3-DH5)_Channel 0



8DPSK(3-DH5)_Channel 39



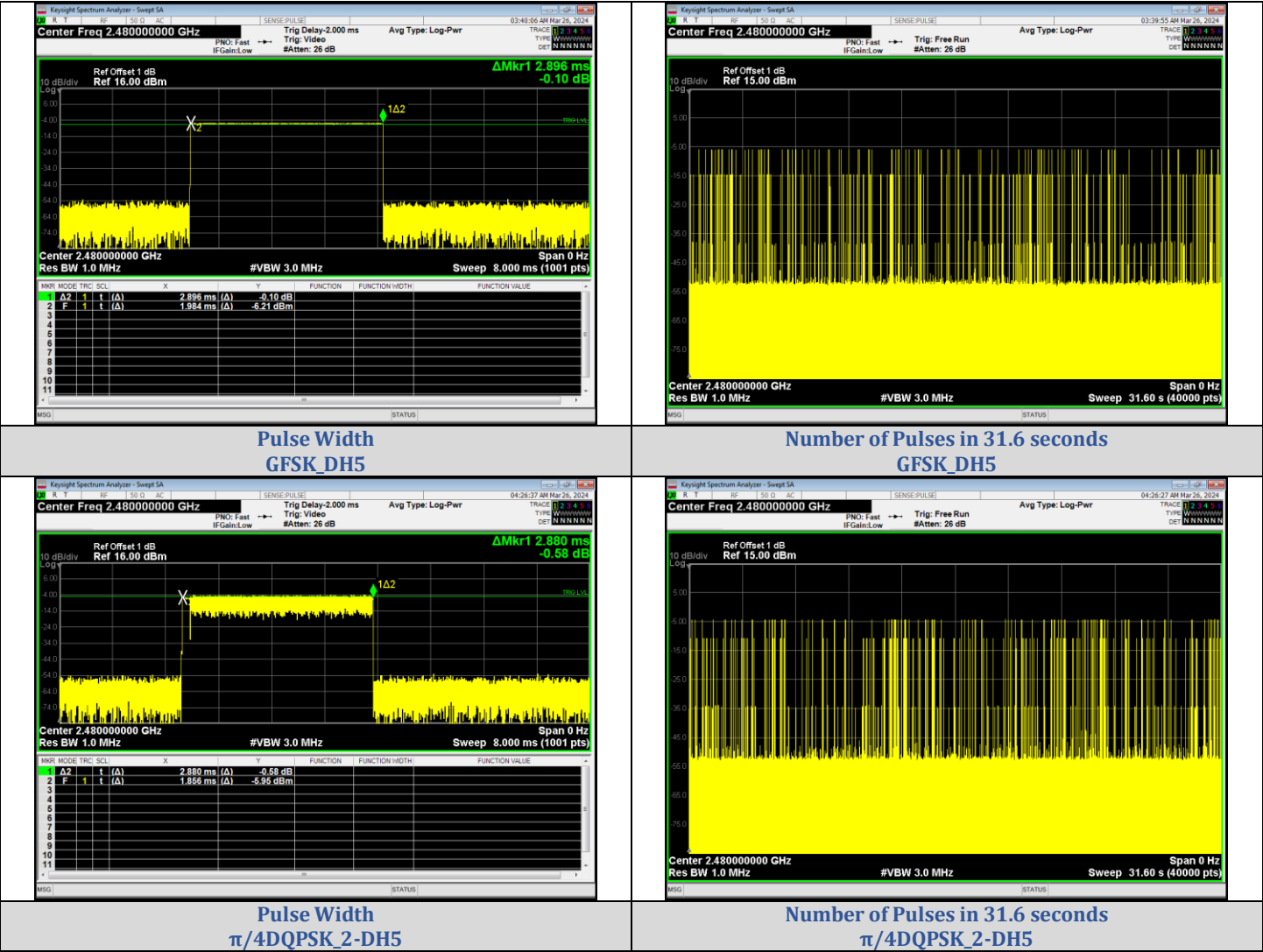
8DPSK(3-DH5)_Channel 78

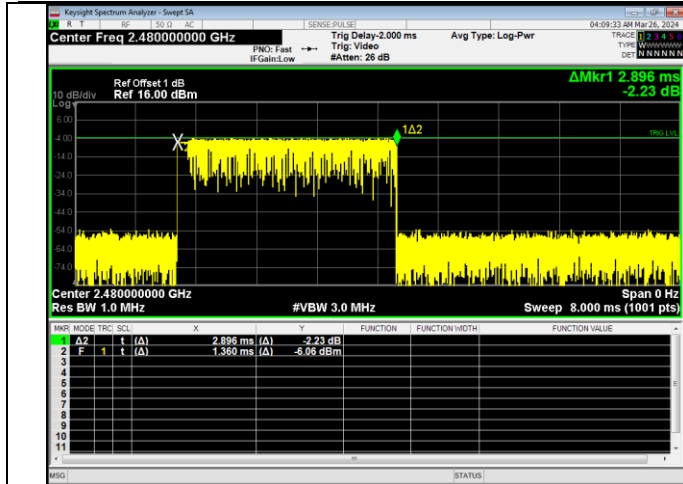


Dwell Time
Test Result

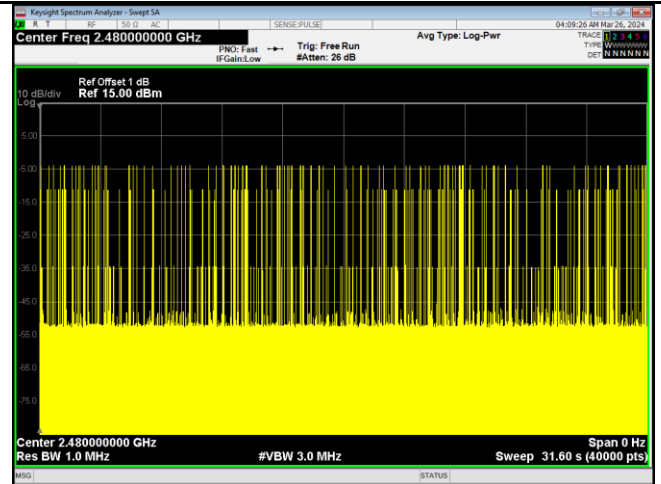
Modulation	Packet	Channel	Pulse Width (ms)	Number of Pulses in 31.6 seconds	Dwell Time (ms)	Limit (ms)	Result
GFSK	DH5	CH78 (2480MHz)	2.896	102	295.39	< 400	PASS
$\pi/4$ DQPSK	2-DH5		2.880	109	313.92		PASS
8DPSK	3-DH5		2.896	115	333.04		PASS

Test Graphs





Pulse Width
8DPSK_3-DH5



Number of Pulses in 31.6 seconds
8DPSK_3-DH5

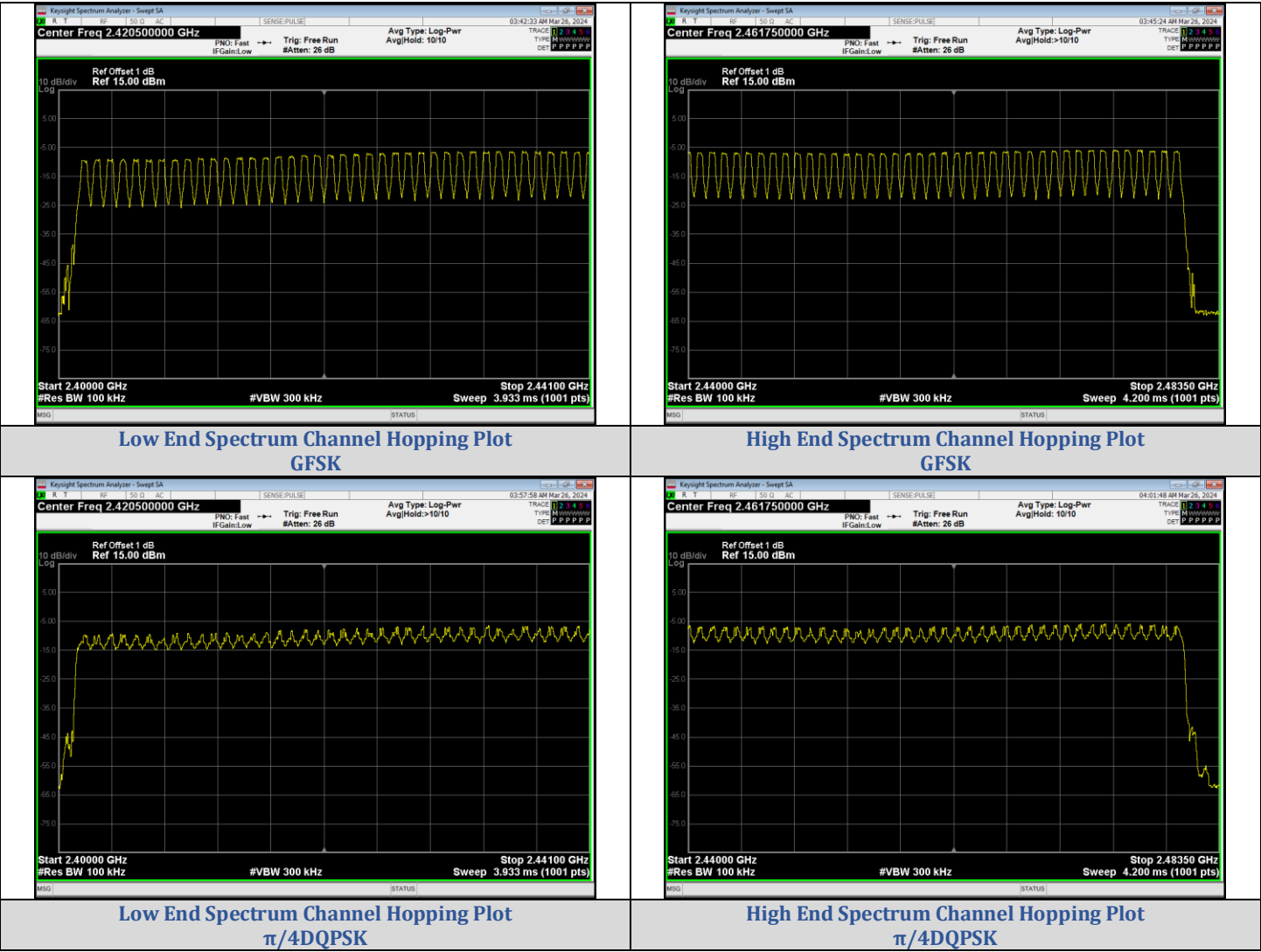


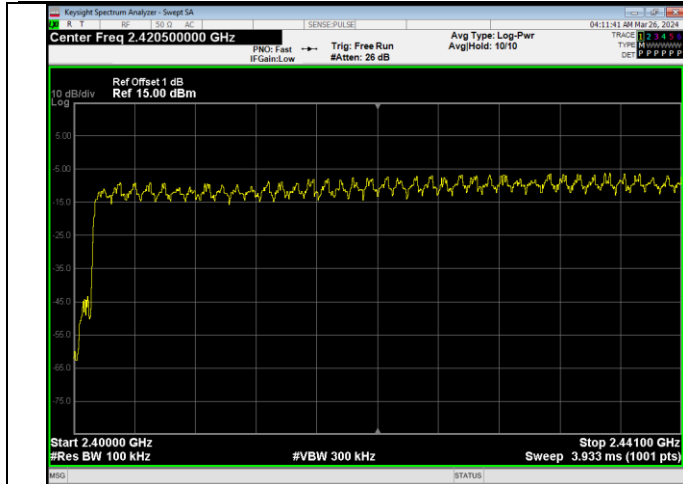
Number Of Hopping Channel

Test Result

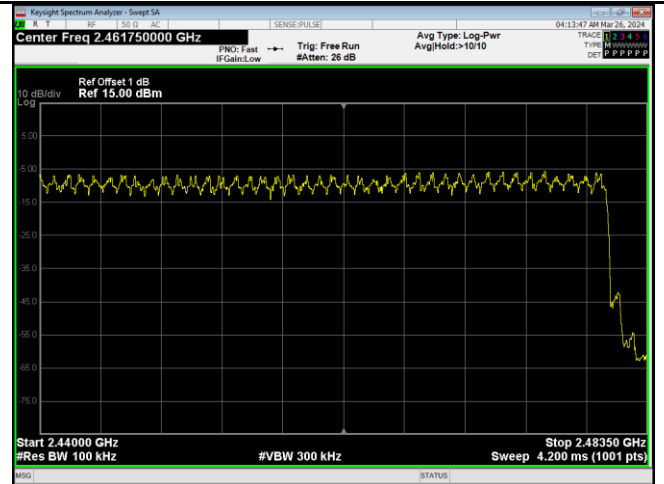
Modulation	Packet	Number of Hopping Channel	Limit	Result
GFSK	DH5	79	15	PASS
$\pi/4$ DQPSK	2-DH5	79	15	PASS
8DPSK	3-DH5	79	15	PASS

Test Graphs





Low End Spectrum Channel Hopping Plot
8DPSK



High End Spectrum Channel Hopping Plot
8DPSK