

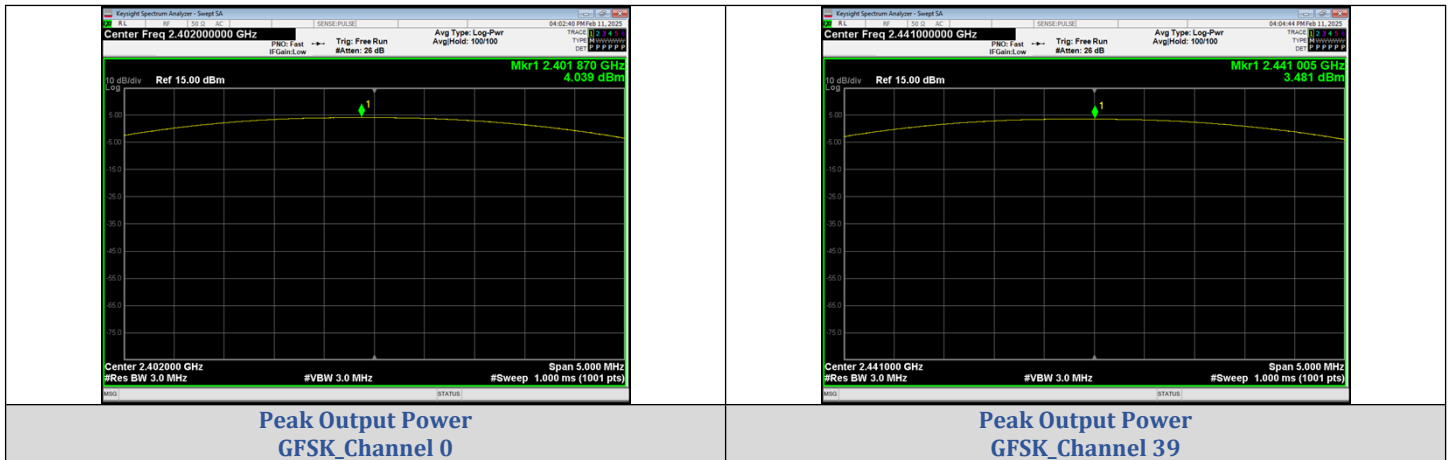
Conducted Output Power

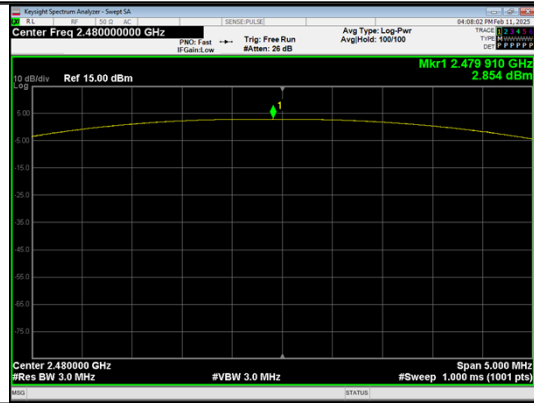
Test Result

Modulation	Packet Type	Channel	Peak Output Power (dBm)	Peak Output Power (mW)	Max. Avg. Power (dBm)	Limit (dBm)	Result
GFSK	DH5	0	4.039	2.535	None	≤30	PASS
		39	3.481	2.229	None		PASS
		78	2.854	1.929	None		PASS
$\pi/4$ DQPSK	2-DH5	0	4.435	2.777	None	≤20.97	PASS
		39	3.882	2.445	None		PASS
		78	3.271	2.124	None		PASS
8DPSK	3-DH5	0	4.600	2.884	None		PASS
		39	4.089	2.564	None		PASS
		78	3.517	2.248	None		PASS

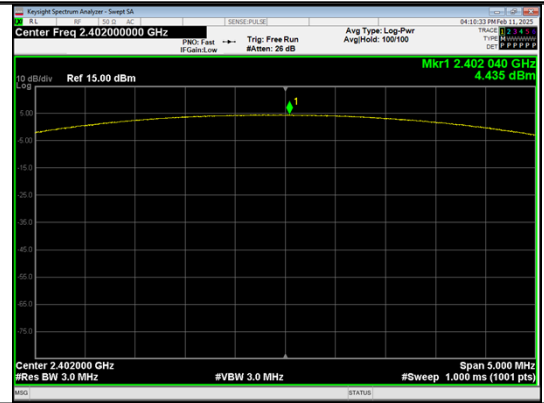
Modulation	Packet Type	Channel	Peak Output Power (dBm)	Peak Power Limit (dBm)	Result
GFSK	DH5	0	4.039	≤30	PASS
		39	3.481	≤30	PASS
		78	2.854	≤30	PASS
$\pi/4$ DQPSK	2-DH5	0	4.435	≤20.97	PASS
		39	3.882	≤20.97	PASS
		78	3.271	≤20.97	PASS
8DPSK	3-DH5	0	4.600	≤20.97	PASS
		39	4.089	≤20.97	PASS
		78	3.517	≤20.97	PASS

Test Graphs

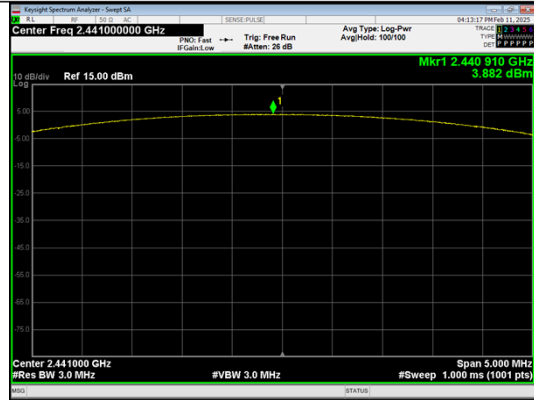




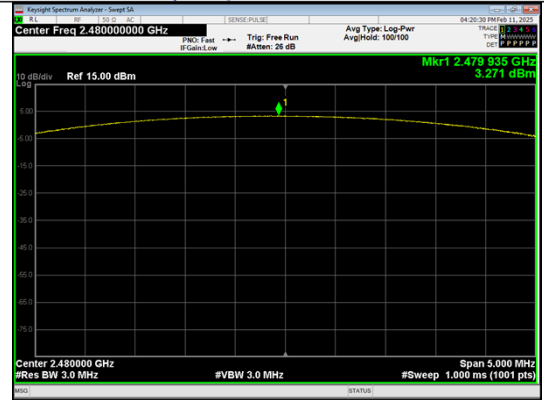
Peak Output Power
GFSK_Channel 78



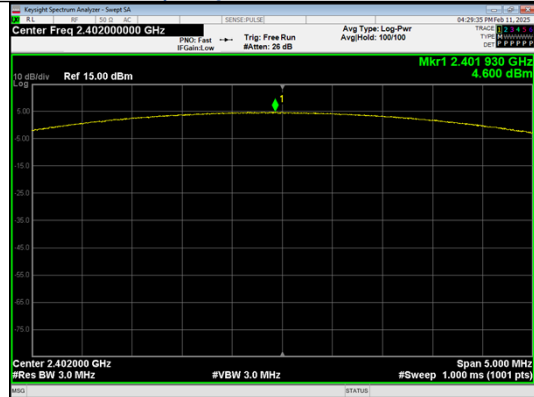
Peak Output Power
 $\pi/4$ DQPSK_Channel 0



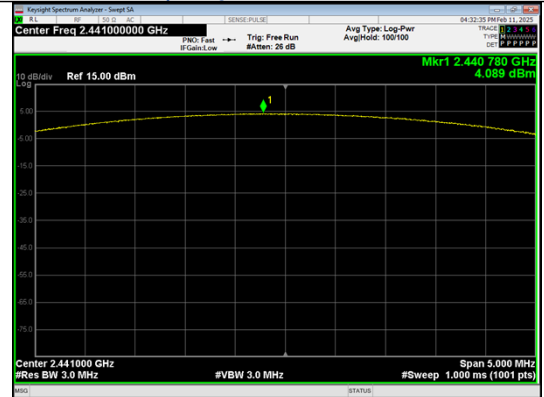
Peak Output Power
 $\pi/4$ DQPSK_Channel 39



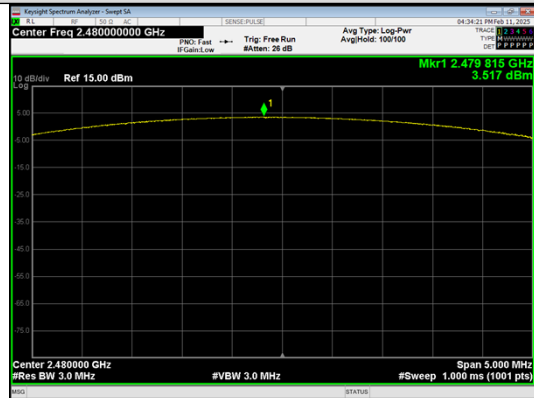
Peak Output Power
 $\pi/4$ DQPSK_Channel 78



Peak Output Power
8DPSK_Channel 0



Peak Output Power
8DPSK_Channel 39



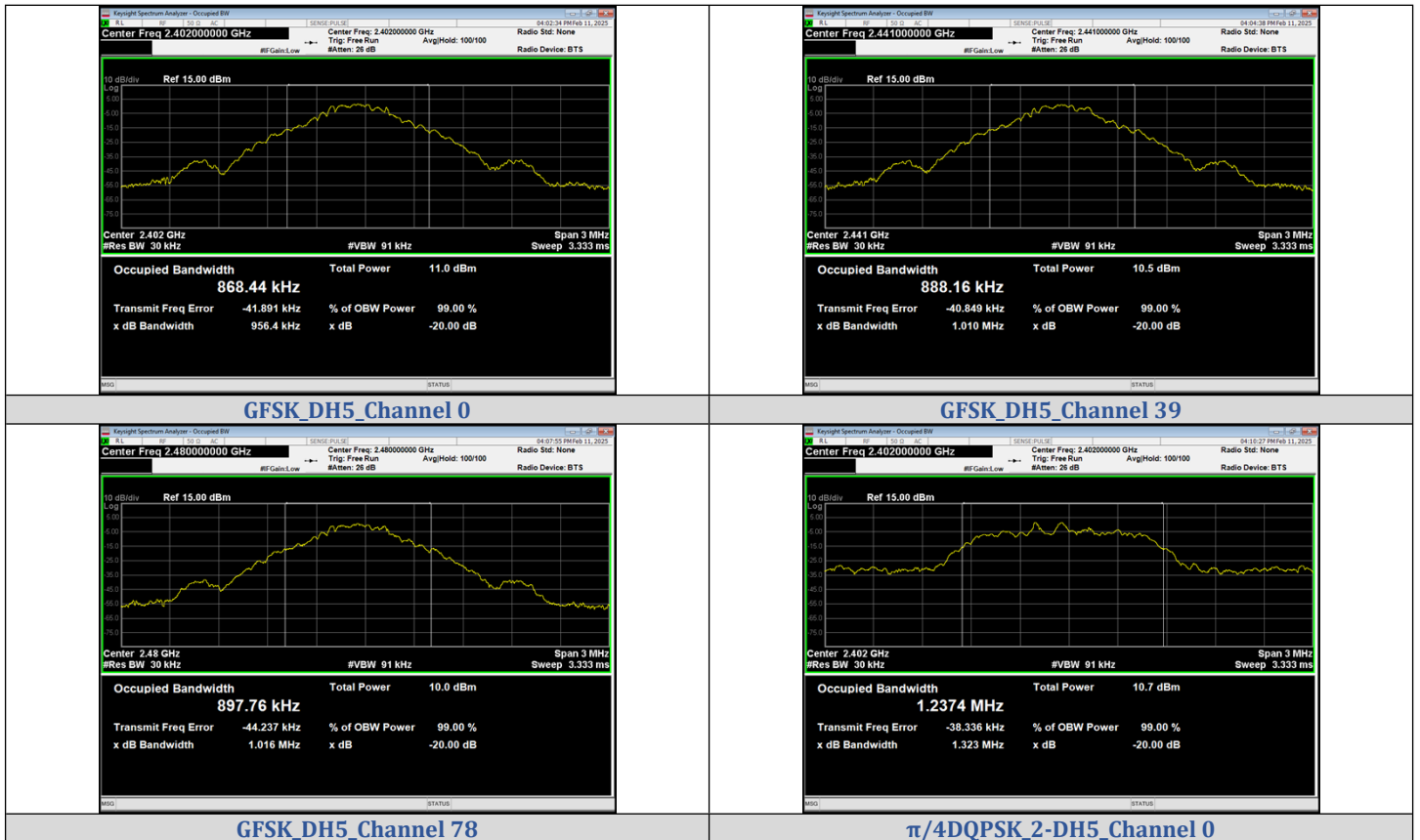
Peak Output Power
8DPSK_Channel 78

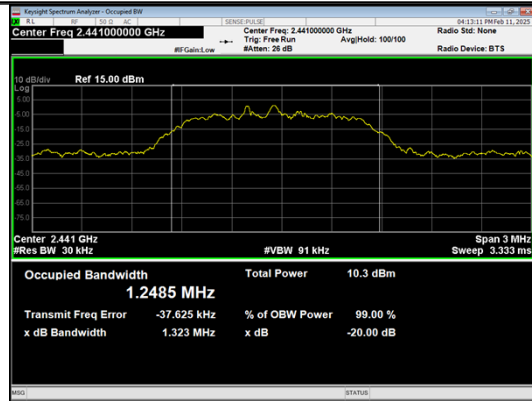
20dB Bandwidth

Test Result

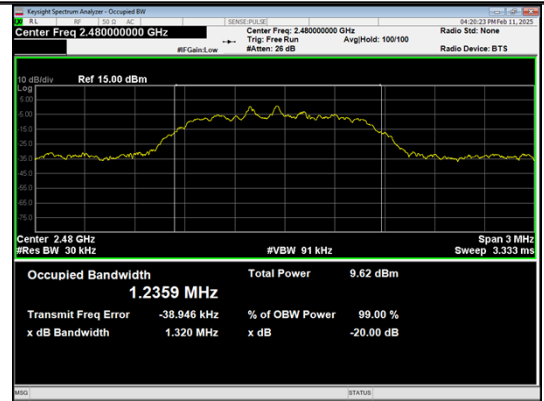
Modulation	Channel	Center Frequency (MHz)	20 dB Bandwidth (MHz)
GFSK	0	2402 MHz	0.9564
	39	2441 MHz	1.010
	78	2480 MHz	1.016
$\pi/4$ DQPSK	0	2402 MHz	1.323
	39	2441 MHz	1.323
	78	2480 MHz	1.320
8DPSK	0	2402 MHz	1.308
	39	2441 MHz	1.322
	78	2480 MHz	1.309

Test Graphs

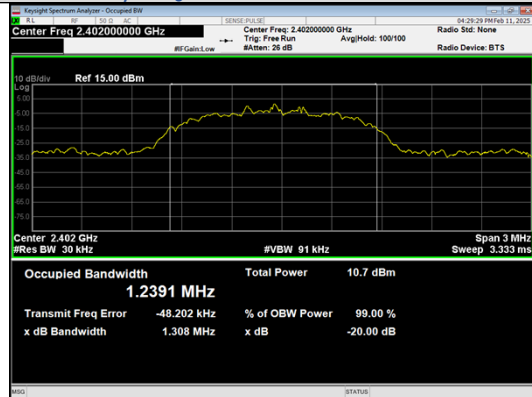




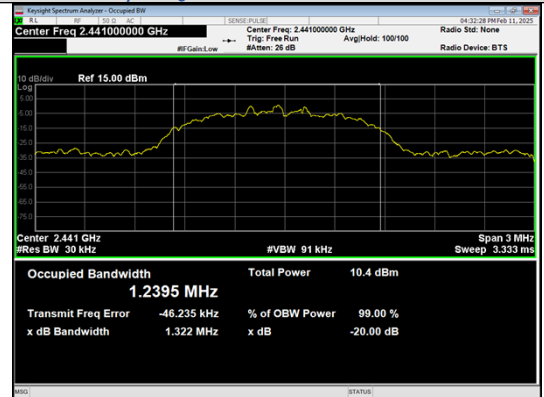
$\pi/4$ DQPSK 2-DH5_Channel 39



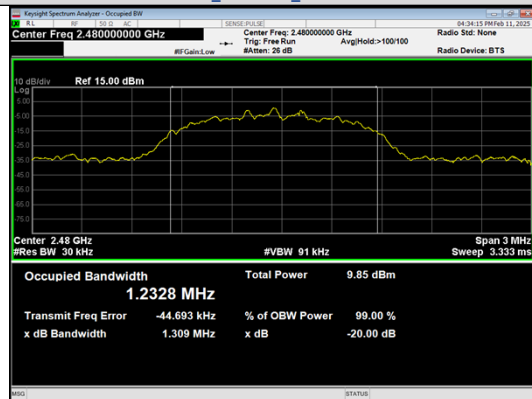
$\pi/4$ DQPSK 2-DH5_Channel 78



8DPSK_3-DH5_Channel 0



8DPSK_3-DH5_Channel 78



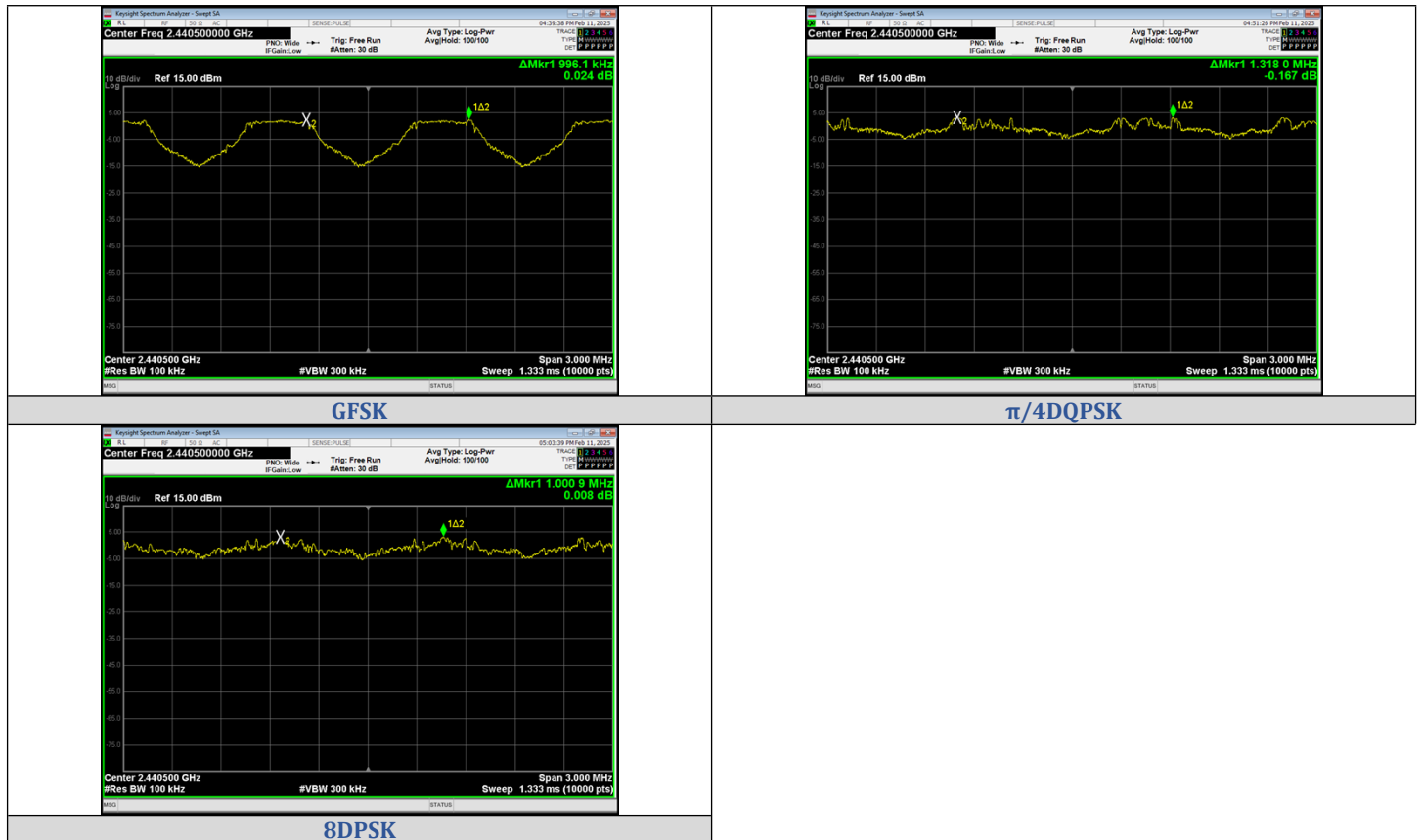
8DPSK_3-DH5_Channel 78

Carrier Frequencies Separation

Test Result

Modulation	Packet	Left Center frequency (MHz)	Right Center frequency (MHz)	Hopping Frequency Separation (MHz)	Limit (MHz)	Result
GFSK	DH5	2440.1212	2441.1173	0.9961	0.677	PASS
$\pi/4$ DQPSK	2-DH5	2439.7972	2441.1152	1.3180	0.88	PASS
8DPSK	3-DH5	2439.9607	2440.9616	1.0009	0.873	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	-48.617	-16.12	-32.497	PASS
			4803.76	-47.359	-16.12	-31.239	PASS
			7205.31	-38.318	-16.12	-22.198	PASS
			9608.11	-45.942	-16.12	-29.822	PASS
		39	4881.79	-43.812	-16.7	-27.112	PASS
			7322.67	-39.730	-16.7	-23.030	PASS
			9763.55	-45.554	-16.7	-28.854	PASS
			2483.50	-60.896	-17.35	-43.546	PASS
		78	4959.83	-40.527	-17.35	-23.177	PASS
			7440.03	-45.804	-17.35	-28.454	PASS
			9919.62	-40.737	-17.35	-23.387	PASS
			2400.00	-44.886	-16.19	-28.696	PASS
$\pi/4$ DQPSK	2-DH5	0	4803.76	-46.642	-16.19	-30.452	PASS
			7206.56	-37.270	-16.19	-21.080	PASS
			9608.11	-46.765	-16.19	-30.575	PASS
			2400.00	-44.886	-16.19	-28.696	PASS
		39	4881.79	-45.589	-16.69	-28.899	PASS
			7322.67	-44.402	-16.69	-27.712	PASS
			9763.55	-45.560	-16.69	-28.870	PASS
			2483.50	-56.515	-17.38	-39.135	PASS
		78	4959.83	-41.638	-17.38	-24.258	PASS
			7439.41	-46.891	-17.38	-29.511	PASS
			9919.62	-41.102	-17.38	-23.722	PASS
			2400.00	-45.760	-16.22	-29.540	PASS
8DPSK	3-DH5	0	4803.76	-45.867	-16.22	-29.647	PASS
			7205.93	-36.805	-16.22	-20.585	PASS
			9608.11	-46.203	-16.22	-29.983	PASS
			2400.00	-45.760	-16.22	-29.540	PASS
		39	4881.79	-43.785	-16.64	-27.145	PASS
			7322.67	-45.838	-16.64	-29.198	PASS
			9763.55	-45.477	-16.64	-28.837	PASS
			2483.50	-57.874	-17.29	-40.584	PASS
		78	4959.83	-40.572	-17.29	-23.282	PASS
			7440.03	-46.168	-17.29	-28.878	PASS
			9919.62	-40.893	-17.29	-23.603	PASS
			2400.00	-45.760	-16.22	-29.540	PASS

Hopping

Modulation	Packet	Channel	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result
GFSK	DH5	Hopping	2400.00	-51.694	-16.13	-35.564	PASS
			2483.50	-59.252	-17.31	-41.942	PASS
$\pi/4$ DQPSK	2-DH5		2400.00	-44.054	-16.05	-28.004	PASS
			2483.50	-55.666	-17.18	-38.486	PASS
8DPSK	3-DH5		2400.00	-46.480	-16.05	-30.430	PASS
			2483.50	-58.784	-17.42	-41.364	PASS

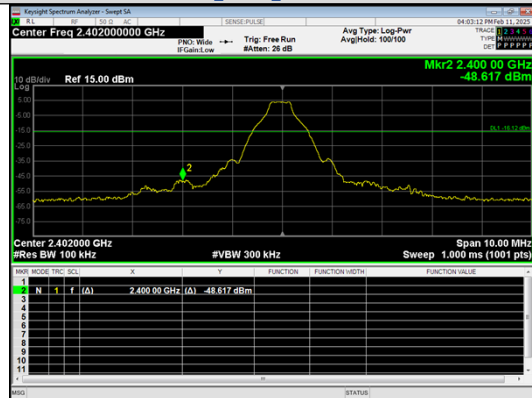
Test Graphs



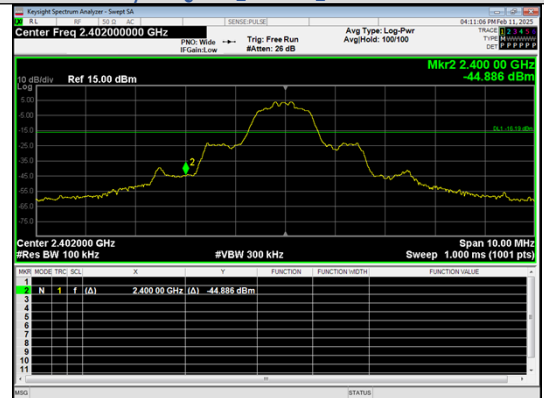
In-Band Reference Level
GFSK_DH5_Channel 0



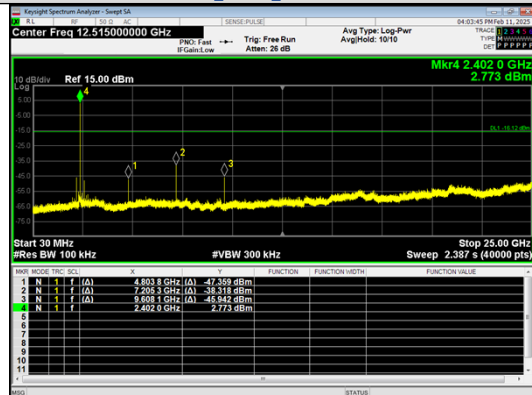
In-Band Reference Level
 $\pi/4$ DQPSK_2-DH5_Channel 0



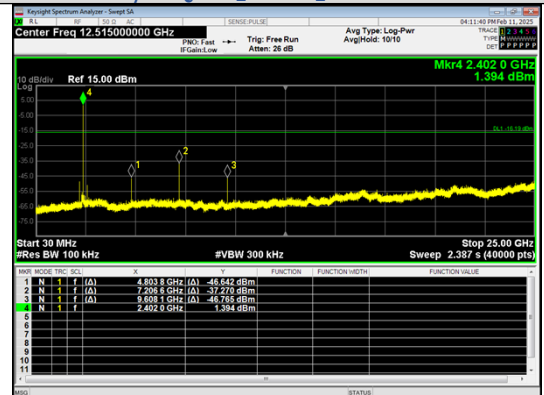
Out Of Band Emission
GFSK_DH5_Channel 0



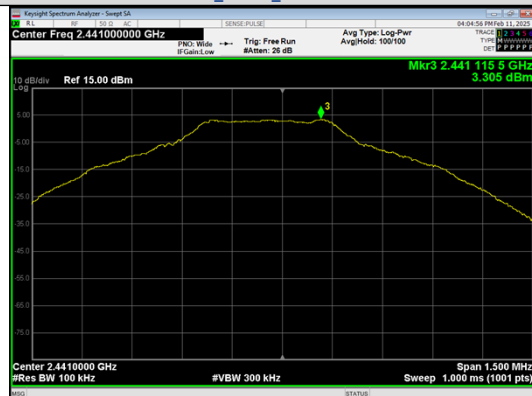
Out Of Band Emission
 $\pi/4$ DQPSK_2-DH5_Channel 0



30.0 MHz - 25000.0 MHz
GFSK_DH5_Channel 0



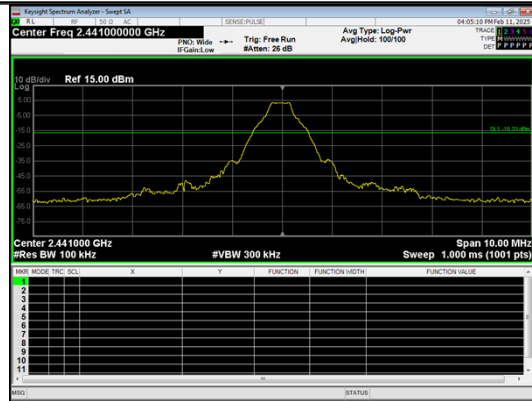
30.0 MHz - 25000.0 MHz
 $\pi/4$ DQPSK_2-DH5_Channel 0



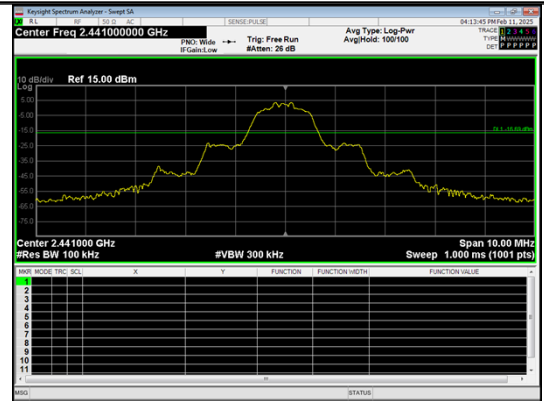
In-Band Reference Level
GFSK_DH5_Channel 39



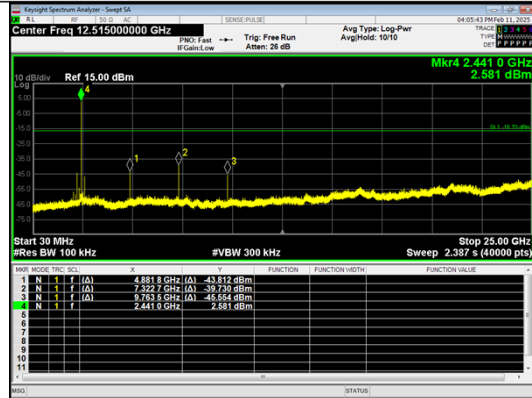
In-Band Reference Level
 $\pi/4$ DQPSK_2-DH5_Channel 39



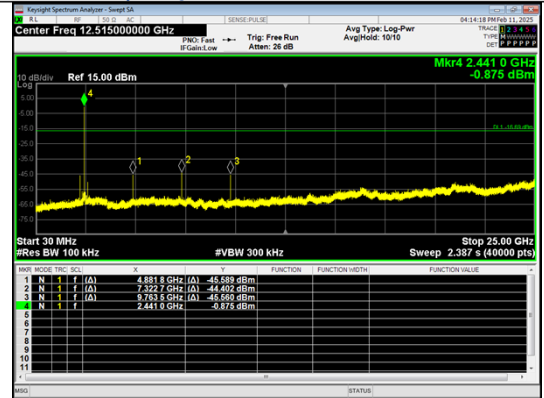
Out Of Band Emission
GFSK_DH5_Channel 39



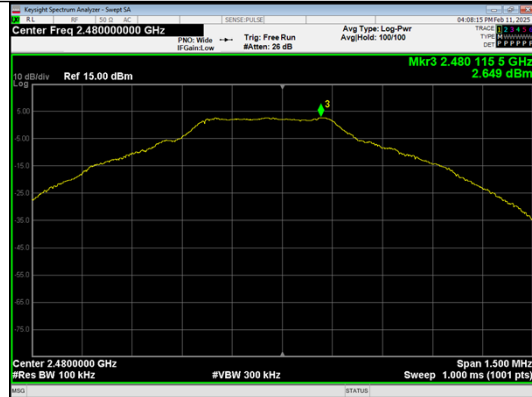
Out Of Band Emission
 $\pi/4$ DQPSK_2-DH5_Channel 39



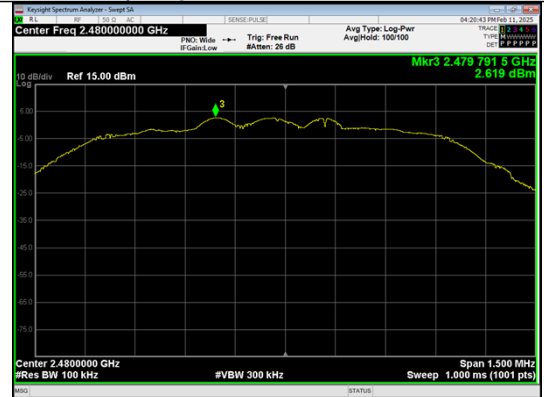
30.0 MHz - 25000.0 MHz
GFSK_DH5_Channel 39



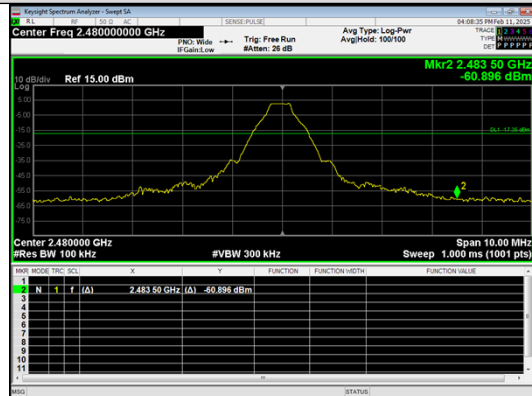
30.0 MHz - 25000.0 MHz
 $\pi/4$ DQPSK_2-DH5_Channel 39



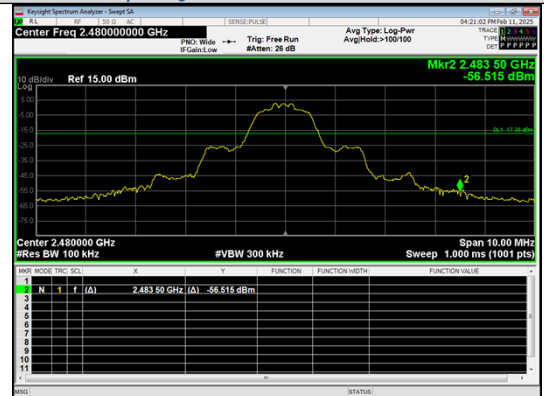
In-Band Reference Level
GFSK_DH5_Channel 78



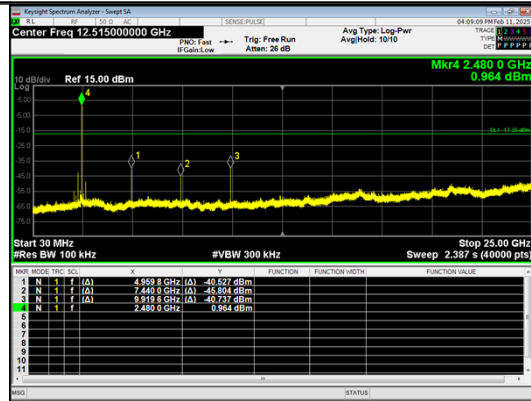
In-Band Reference Level
 $\pi/4$ DQPSK_2-DH5_Channel 78



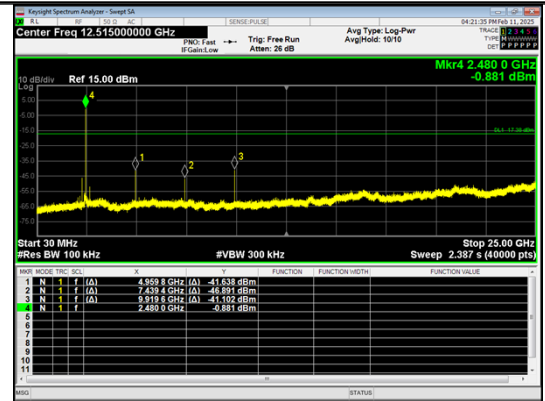
Out Of Band Emission
GFSK_DH5_Channel 78



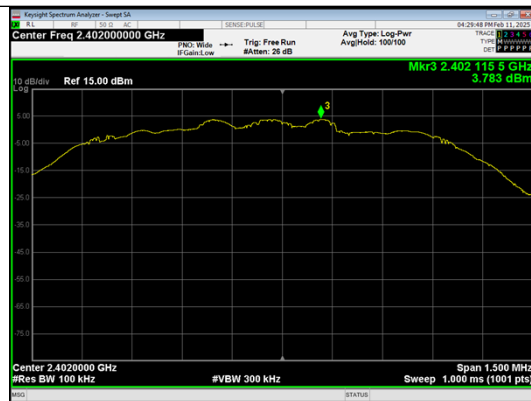
Out Of Band Emission
 $\pi/4$ DQPSK_2-DH5_Channel 78



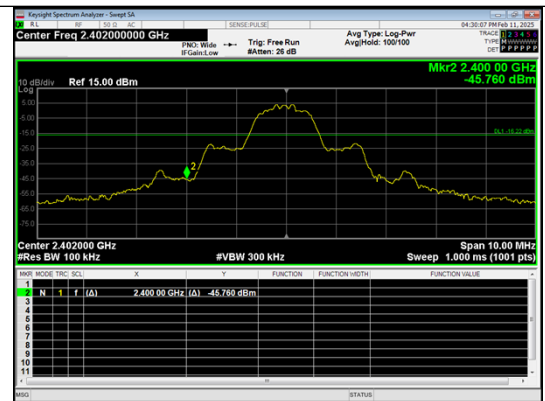
30.0 MHz - 25000.0 MHz
GFSK_DH5_Channel 78



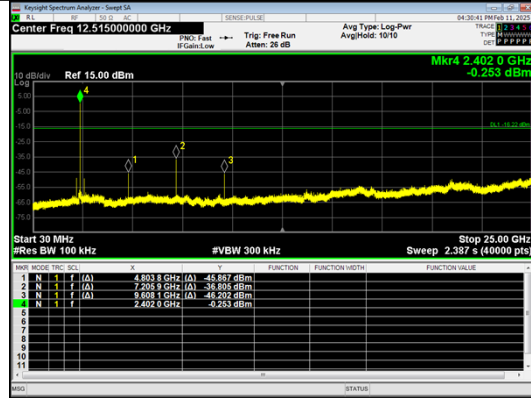
30.0 MHz - 25000.0 MHz
 $\pi/4$ DQPSK_2-DH5_Channel 78



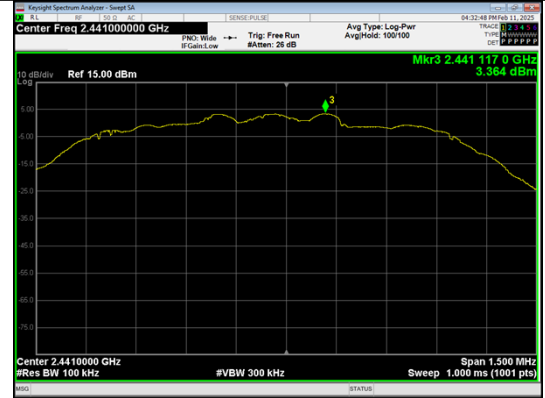
In-Band Reference Level
8DPSK_3-DH5_Channel 0



Out Of Band Emission
8DPSK_3-DH5_Channel 0



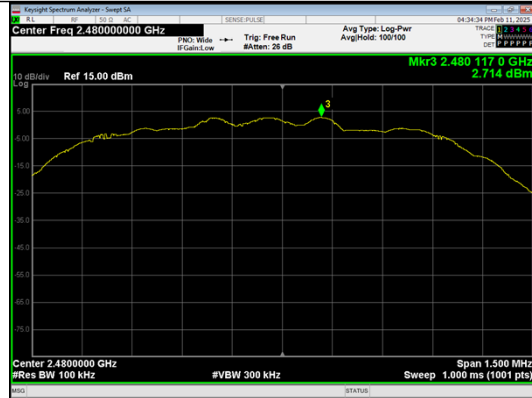
30.0 MHz - 25000.0 MHz
8DPSK_3-DH5_Channel 0



In-Band Reference Level
8DPSK_3-DH5_Channel 39



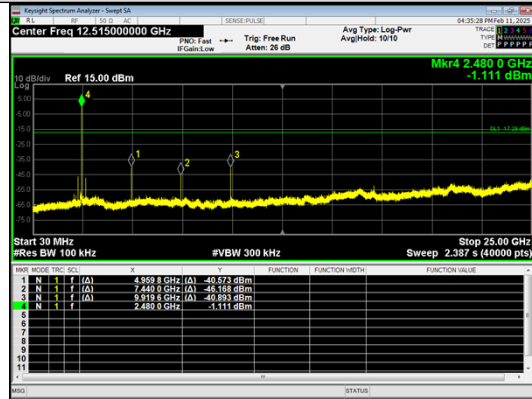
Out Of Band Emission 8DPSK_3-DH5_Channel 39



30.0 MHz - 25000.0 MHz 8DPSK_3-DH5_Channel 39

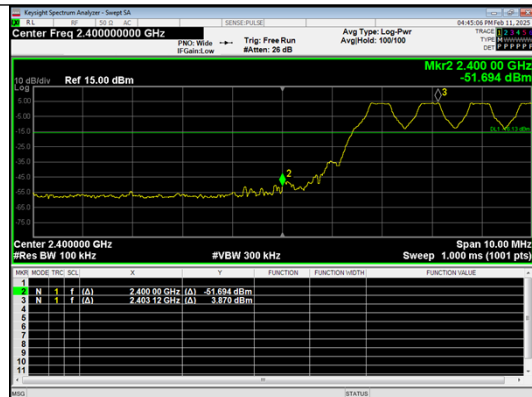


In-Band Reference Level 8DPSK_3-DH5_Channel 78

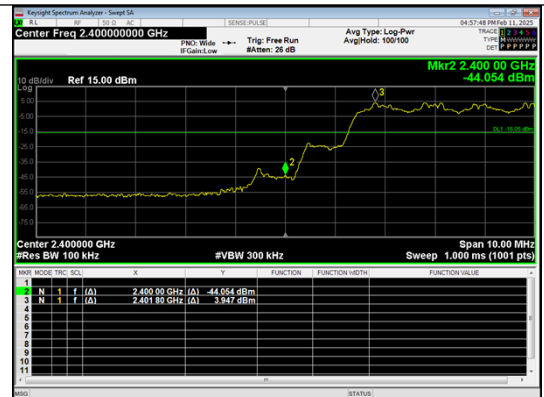


Out Of Band Emission 8DPSK_3-DH5_Channel 78

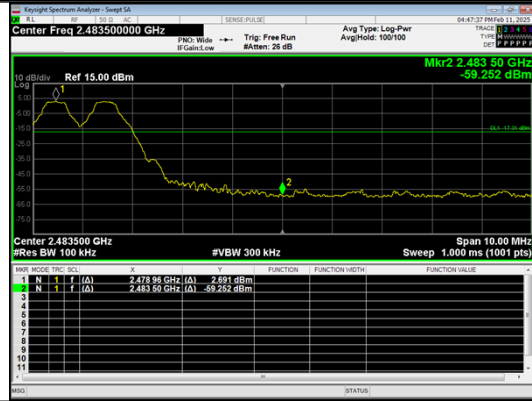
30.0 MHz - 25000.0 MHz 8DPSK_3-DH5_Channel 78



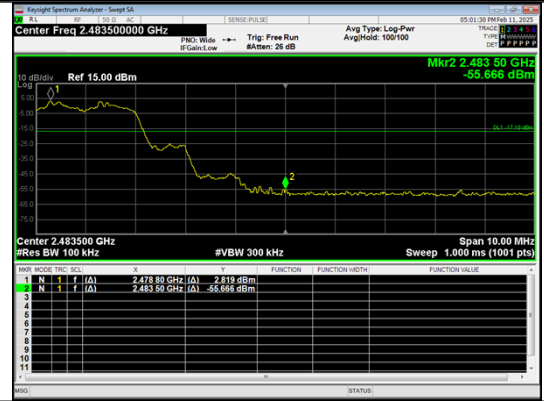
Out Of Band Emission(Left) GFSK_DH5_Channel Hopping



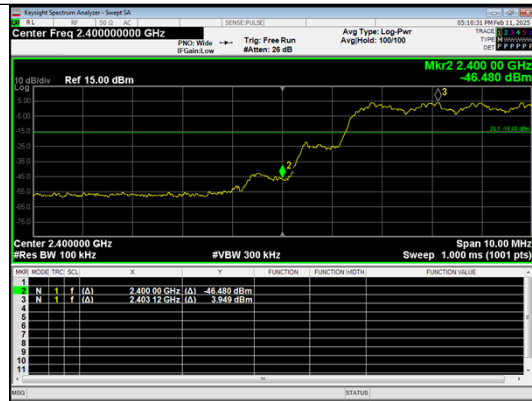
Out Of Band Emission(Left) $\pi/4$ DQPSK_2-DH5_Channel Hopping



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



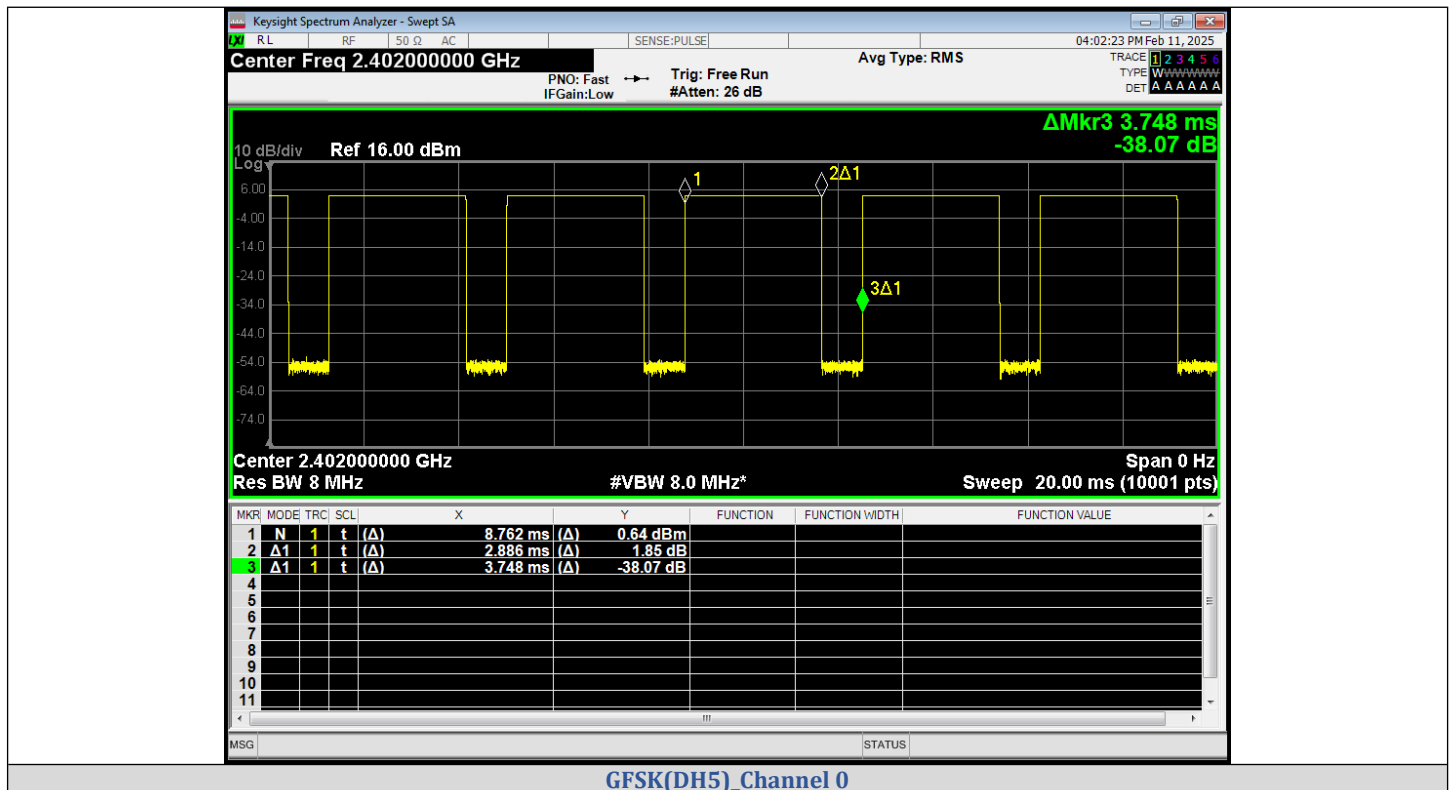
Out Of Band Emission(Right)
8DPSK_3-DH5_Channel Hopping

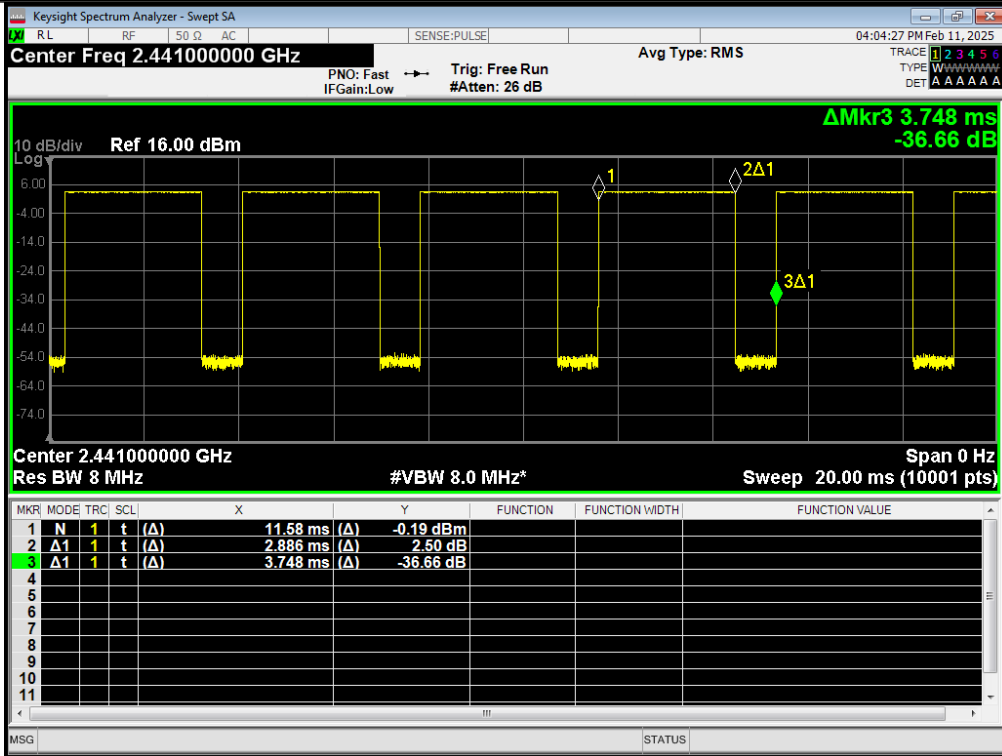
Duty Cycle

Test Result

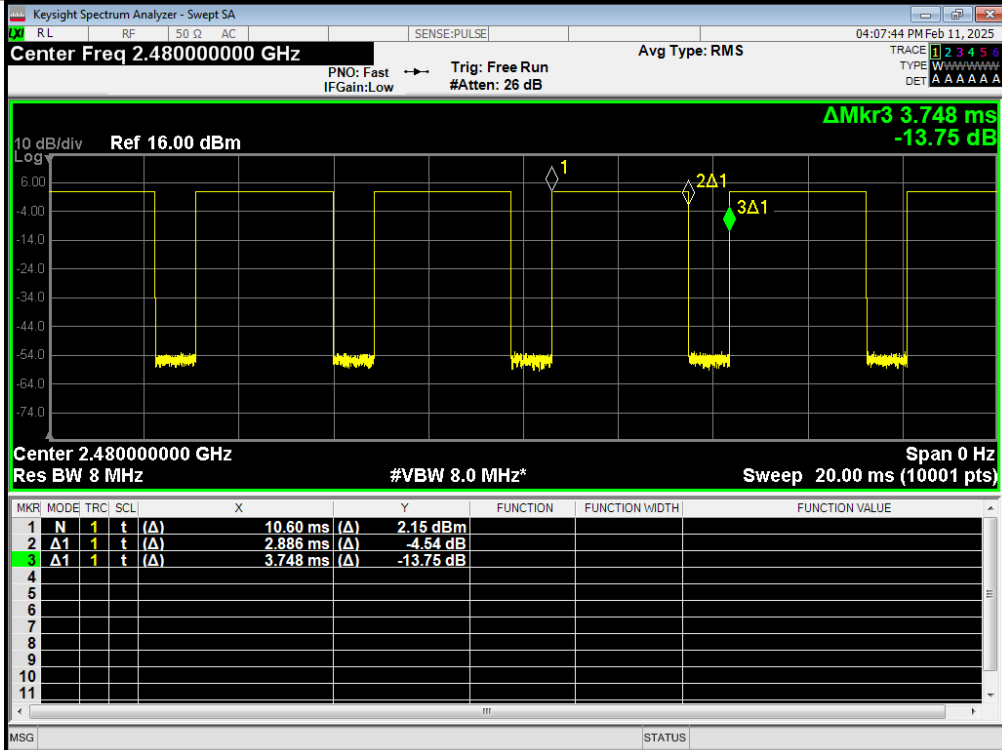
Modulation	Packets	Channel	On Time (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle (linear)	Duty Cycle Factor (dB)
GFSK	DH5	0	2.886	3.748	77.00	0.7700	1.1351
		39	2.886	3.748	77.00	0.7700	1.1351
		78	2.886	3.748	77.00	0.7700	1.1351
$\pi/4$ DQPSK	2-DH5	0	2.890	3.748	77.11	0.7711	1.1289
		39	2.892	3.748	77.16	0.7716	1.1261
		78	2.892	3.748	77.16	0.7716	1.1261
8DPSK	3-DH5	0	2.894	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

Test Graphs

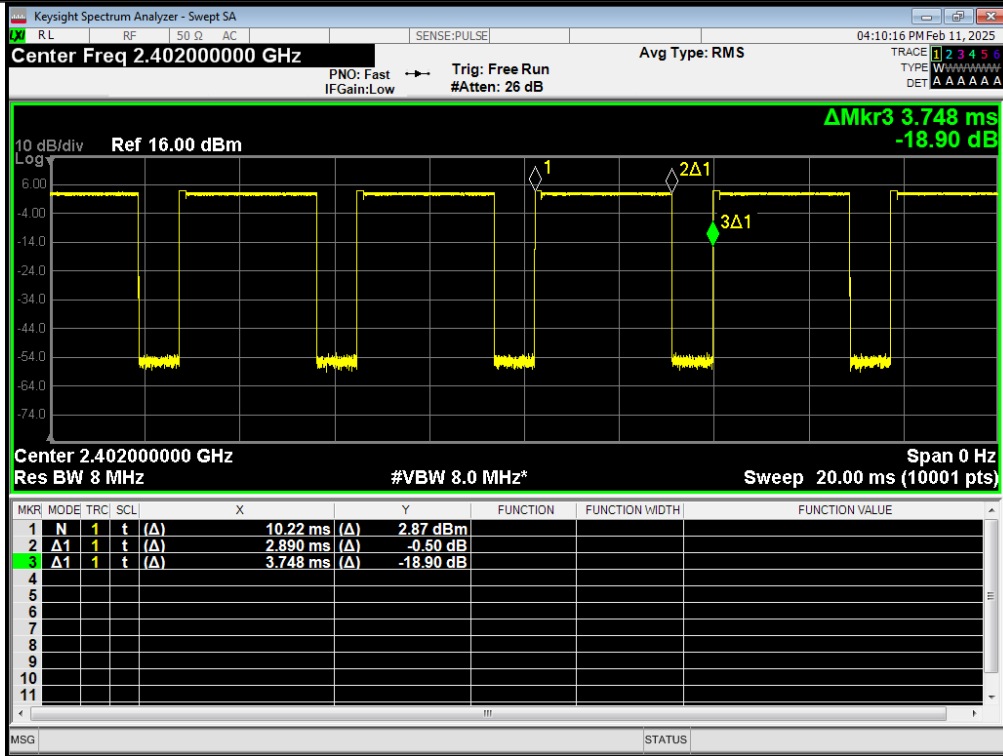




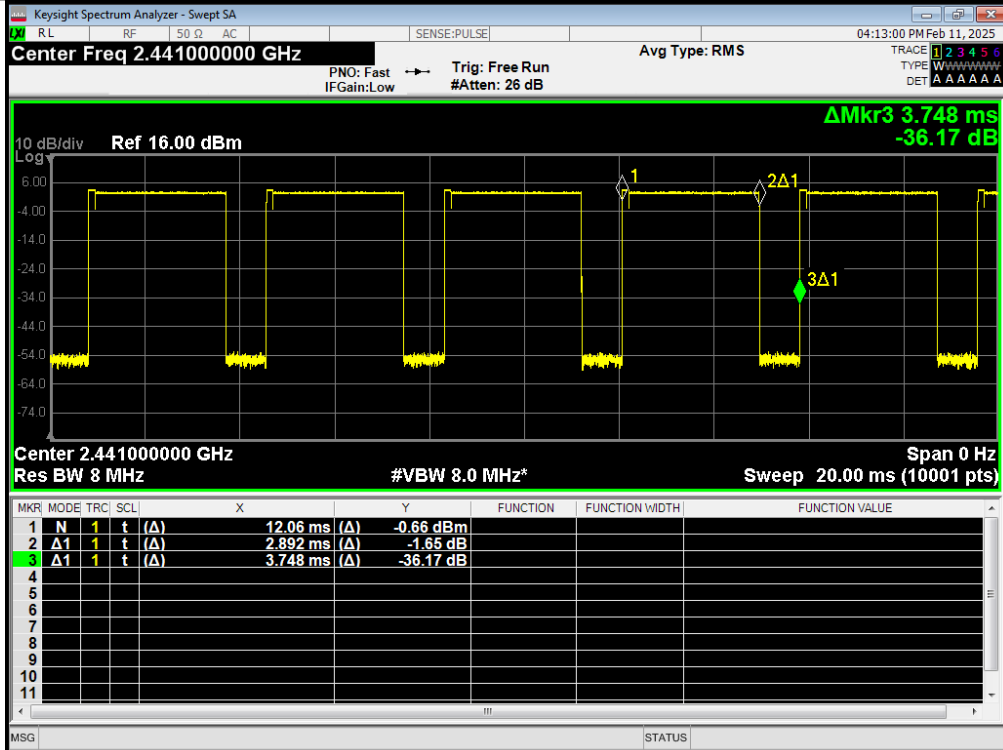
GFSK(DH5)_Channel 39



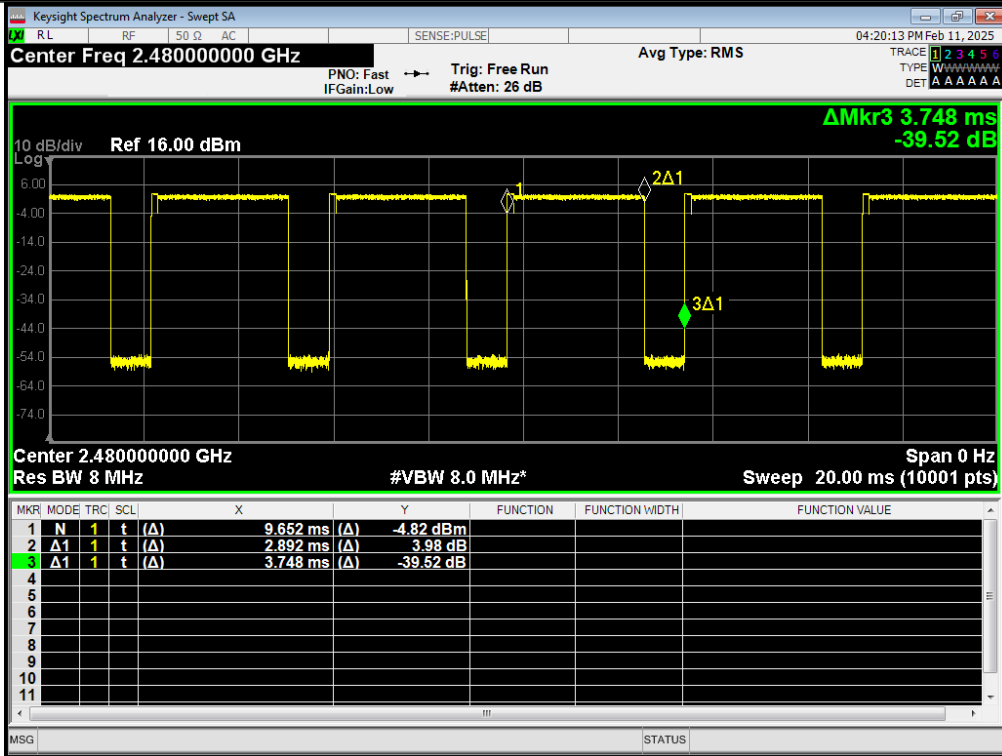
GFSK(DH5)_Channel 78



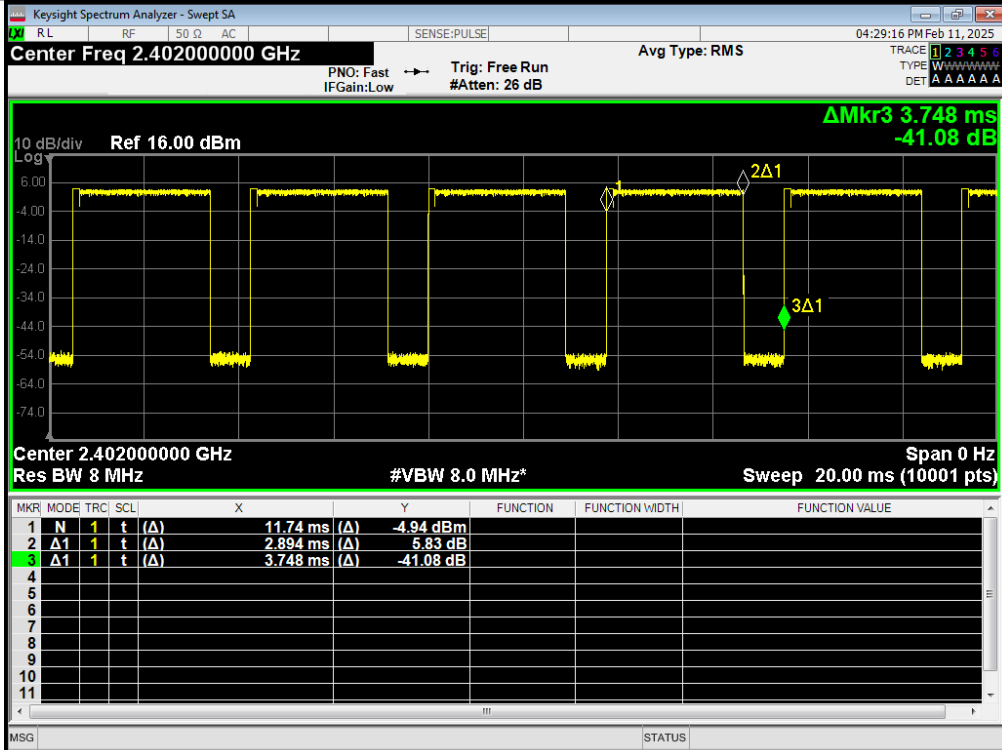
$\pi/4$ DQPSK(2-DH5)_Channel 0



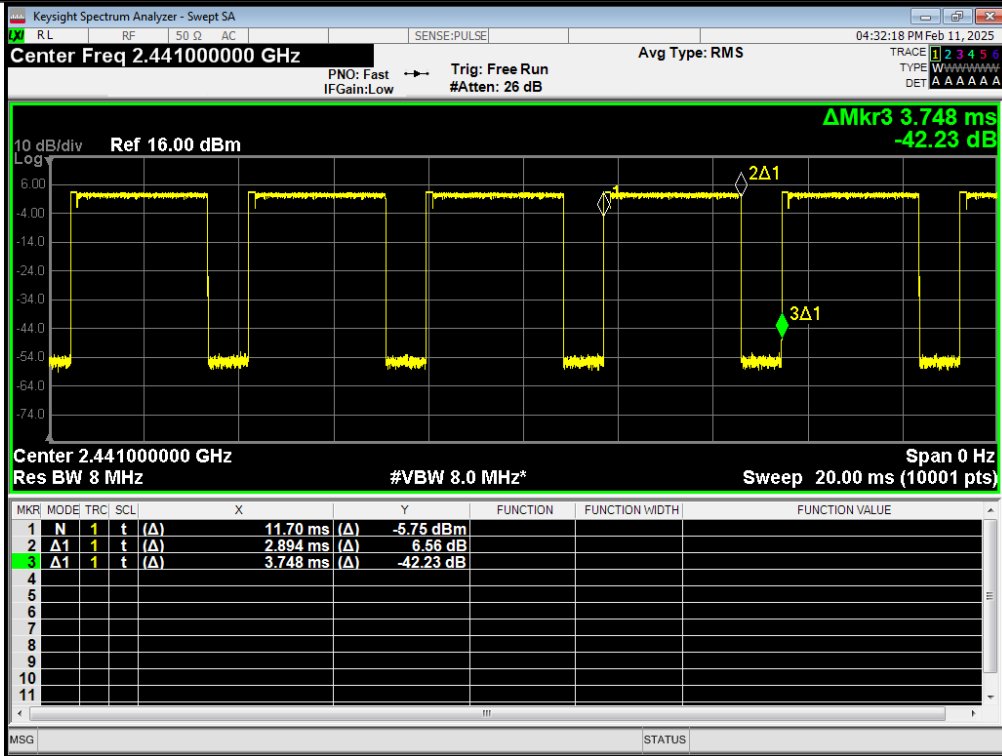
$\pi/4$ DQPSK(2-DH5)_Channel 39



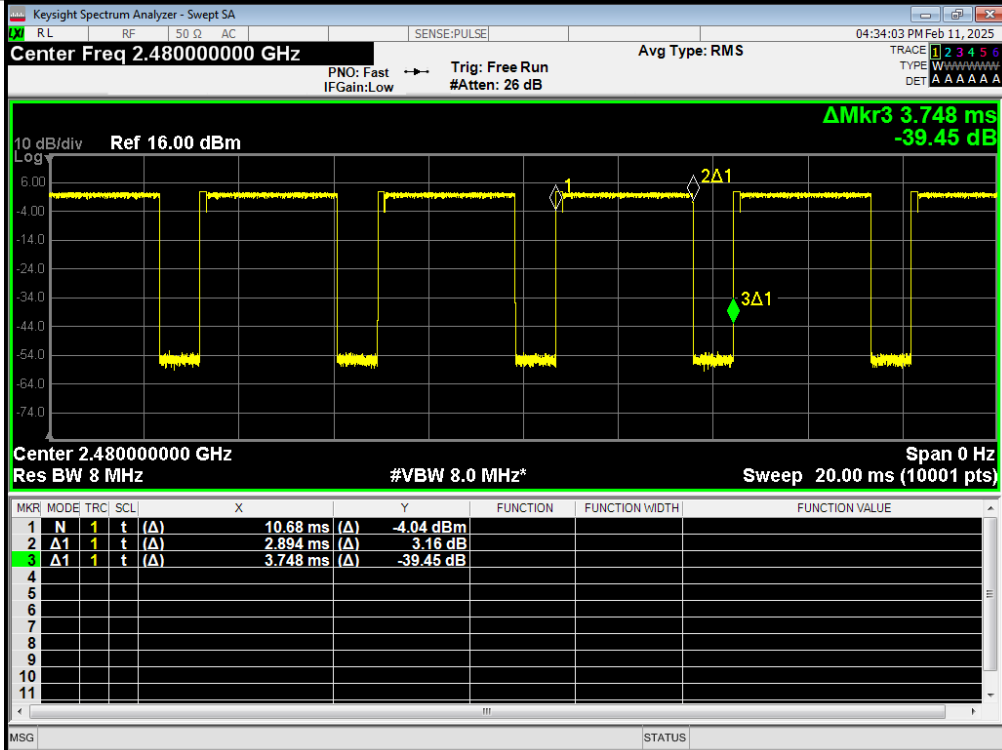
$\pi/4$ DQPSK(2-DH5)_Channel 78



8DPSK(3-DH5)_Channel 0



8DPSK(3-DH5)_Channel 39



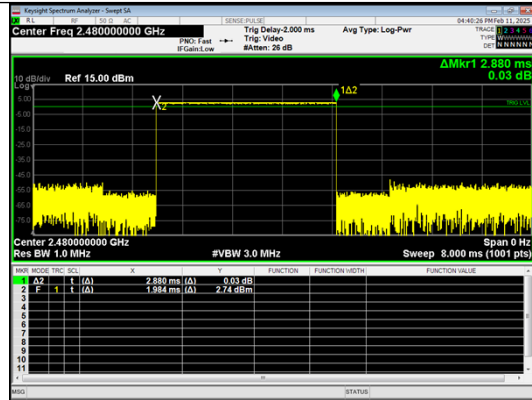
8DPSK(3-DH5)_Channel 78

Dwell Time

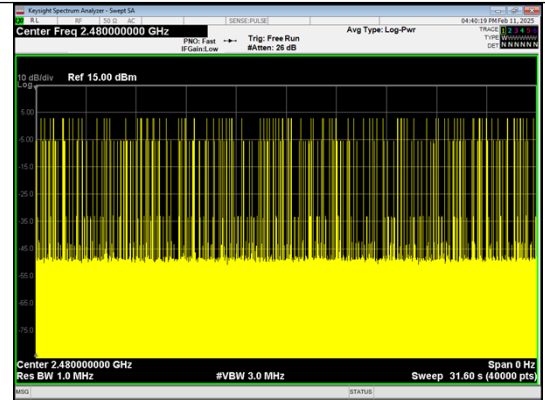
Test Result

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	101	290.88	< 400	PASS
$\pi/4$ DQPSK	2-DH5		2.896	105	304.08		PASS
8DPSK	3-DH5		2.896	127	367.79		PASS

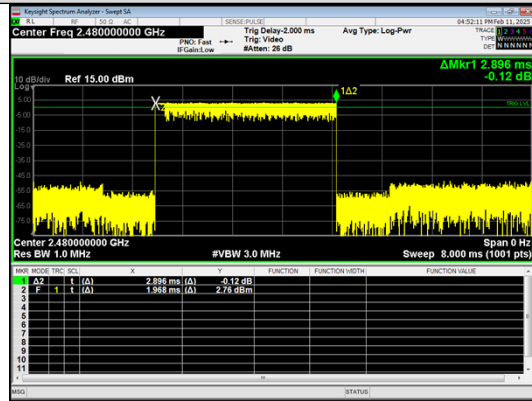
Test Graphs



Pulse Width
GFSK_DH5



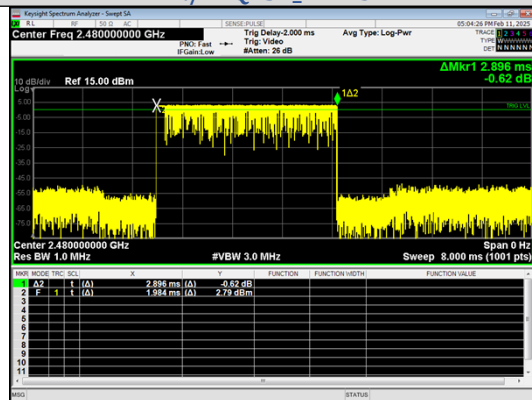
Number of Pulses in 31.6 seconds
GFSK_DH5



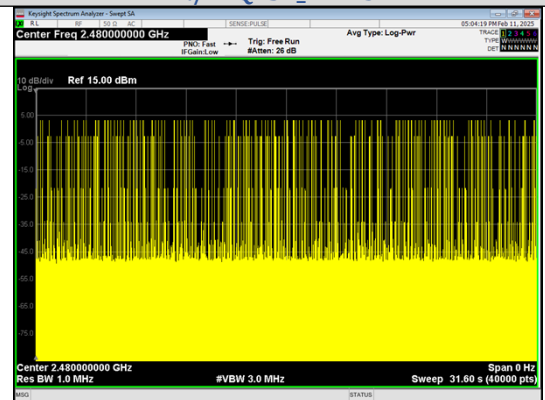
Pulse Width
 $\pi/4$ DQPSK_2-DH5



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

