

APPENDIX V. Conducted Out Of Band Emission**Test Result****Non-Hopping**

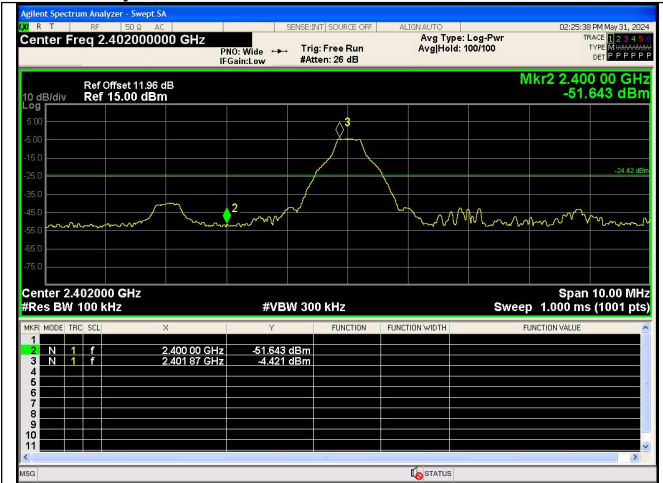
Modulation	Packet	Channel	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result
GFSK	DH5	0	2400.00	-51.643	-24.42	-27.223	PASS
			2399.00	-40.337	-24.42	-15.916	PASS
			4803.80	-62.285	-24.42	-37.865	PASS
			7205.90	-62.411	-24.42	-37.991	PASS
			9607.50	-64.751	-24.42	-40.331	PASS
			24893.3	-46.082	-24.42	-21.662	PASS
		39	4881.79	-62.426	-23.63	-38.796	PASS
			7322.67	-63.390	-23.63	-39.760	PASS
			9764.17	-62.605	-23.63	-38.975	PASS
			24885.1	-45.309	-23.63	-21.679	PASS
		78	2483.50	-50.194	-22.96	-27.234	PASS
			4959.83	-60.683	-22.96	-37.723	PASS
			7440.66	-62.858	-22.96	-39.898	PASS
			9919.62	-63.002	-22.96	-40.042	PASS
			24848.9	-45.981	-22.96	-23.021	PASS
$\pi/4$ DQPSK	2-DH5	0	2400.00	-50.525	-24.39	-26.135	PASS
			2398.88	-41.178	-24.39	-16.788	PASS
			4803.80	-60.927	-24.39	-36.537	PASS
			7206.60	-62.569	-24.39	-38.179	PASS
			9607.50	-64.005	-24.39	-39.615	PASS
			24946.9	-46.217	-24.39	-21.827	PASS
		39	4881.17	-62.755	-23.66	-39.095	PASS
			7323.30	-61.620	-23.66	-37.960	PASS
			9764.80	-62.069	-23.66	-38.409	PASS
			24921.3	-45.515	-23.66	-21.855	PASS
		78	2483.50	-50.021	-22.98	-27.041	PASS
			4959.83	-61.059	-22.98	-38.079	PASS
			7440.03	-63.474	-22.98	-40.494	PASS
			9920.24	-61.379	-22.98	-38.399	PASS
			24584.2	-45.875	-22.98	-22.895	PASS
8DPSK	3-DH5	0	2400.00	-52.247	-24.4	-27.847	PASS
			2399.00	-41.178	-24.4	-16.778	PASS
			4803.80	-61.211	-24.4	-36.811	PASS
			7205.90	-63.653	-24.4	-39.253	PASS
			9608.10	-63.093	-24.4	-38.693	PASS
			24893.3	-45.137	-24.4	-20.737	PASS
		39	4881.79	-63.020	-23.61	-39.410	PASS
			7322.05	-62.931	-23.61	-39.321	PASS
			9764.80	-63.937	-23.61	-40.327	PASS
			24928.2	-46.381	-23.61	-22.771	PASS
		78	2483.50	-51.557	-23.1	-28.457	PASS
			4959.20	-62.668	-23.1	-39.568	PASS
			7439.41	-64.327	-23.1	-41.227	PASS
			9920.24	-64.494	-23.1	-41.394	PASS
			24944.4	-45.308	-23.1	-22.208	PASS

Hopping

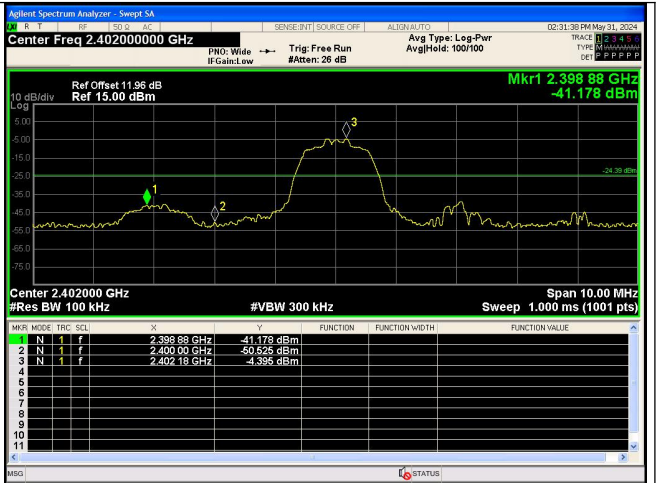
Modulation	Packet	Channel	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result
GFSK	DH5	Hopping	2398.97	-41.000	-24.34	-16.660	PASS
			2400.00	-41.325	-24.34	-16.985	PASS
			2483.50	-50.585	-23.24	-27.345	PASS
			2400.00	-41.148	-24.64	-16.508	PASS
			2483.50	-50.027	-23.19	-26.837	PASS
			2400.00	-40.590	-24.58	-16.010	PASS
			2483.50	-50.146	-23.23	-26.916	PASS
$\pi/4$ DQPSK	2-DH5	Hopping	2400.00	-41.976	-24.69	-17.286	PASS
			2483.50	-51.291	-23.78	-27.511	PASS

8DPSK	3-DH5	2398.87	-41.705	-25.48	-16.225	PASS
		2400.00	-42.860	-25.48	-17.380	PASS
		2483.50	-51.131	-23.41	-27.721	PASS
		2398.88	-41.125	-24.45	-16.675	PASS
		2400.00	-41.764	-24.45	-17.314	PASS
		2483.50	-50.431	-23.07	-27.361	PASS
		2400.00	-42.038	-24.64	-17.398	PASS
		2483.50	-50.823	-23.11	-27.713	PASS
		2398.88	-41.061	-25.07	-15.991	PASS
		2400.00	-42.174	-25.07	-17.104	PASS
		2483.50	-51.091	-23.06	-28.031	PASS
		2398.97	-43.128	-24.38	-18.748	PASS
		2400.00	-44.102	-24.38	-19.722	PASS
		2483.50	-51.219	-24.12	-27.099	PASS

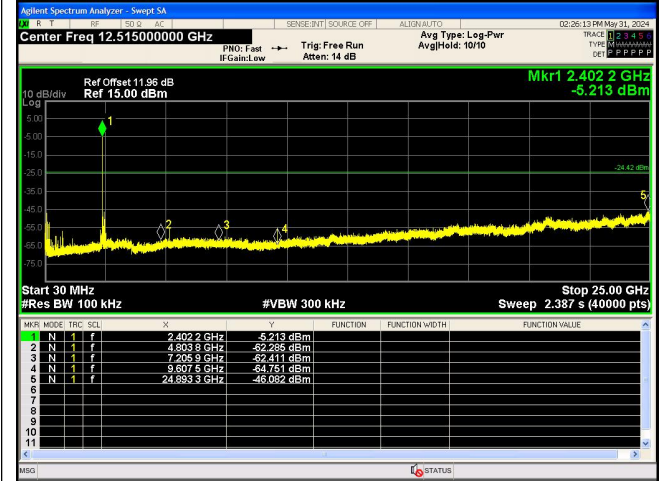
Test Graphs



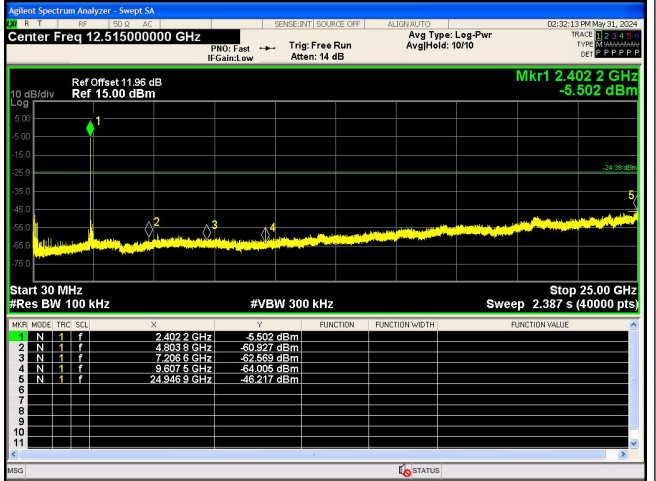
Out Of Band Emission
GFSK_DH5_Channel 0



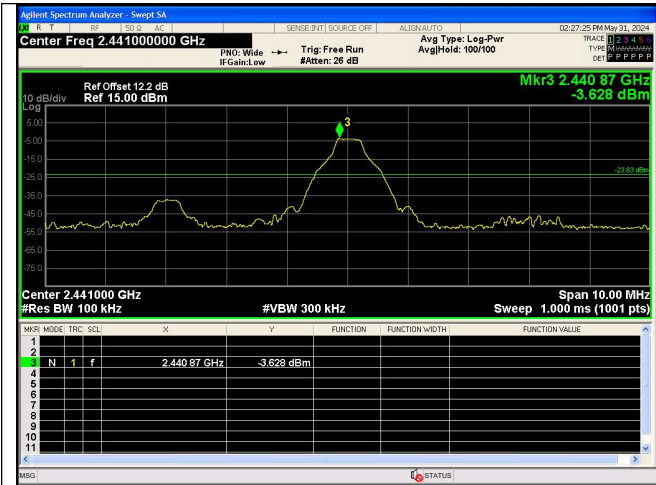
Out Of Band Emission
 $\pi/4$ DQPSK_2-DH5_Channel 0



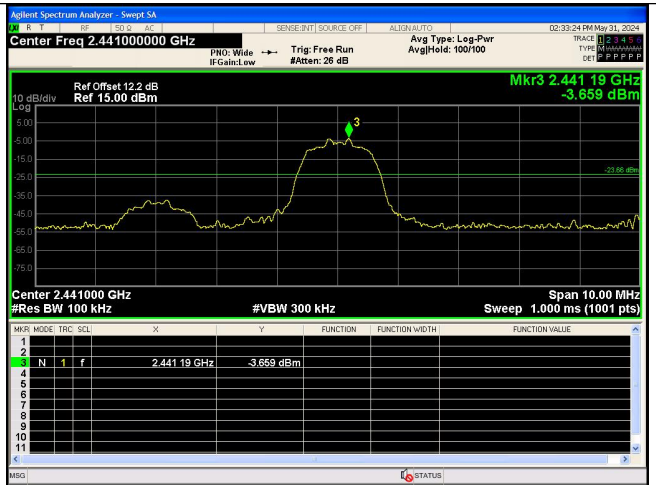
Spurious Emission
GFSK_DH5_Channel 0



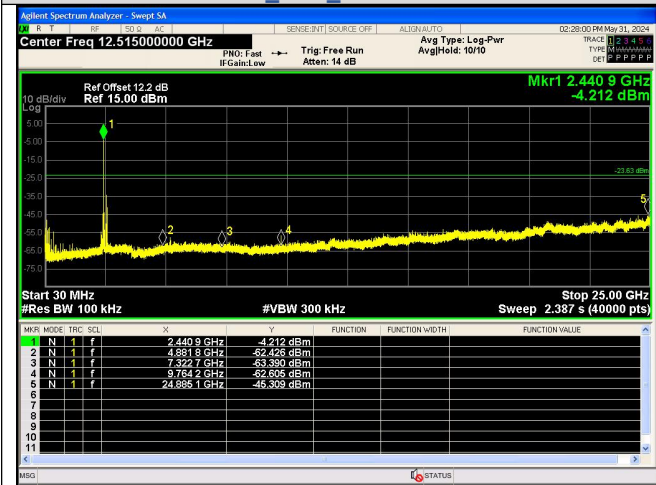
Spurious Emission
 $\pi/4$ DQPSK_2-DH5_Channel 0



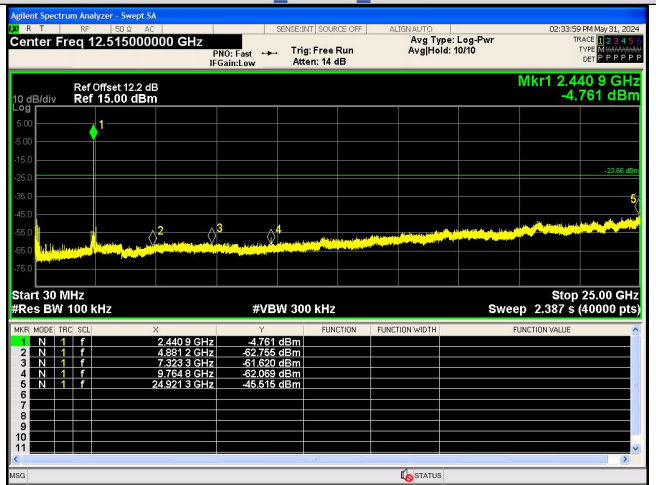
Out Of Band Emission
GFSK_DH5_Channel 39



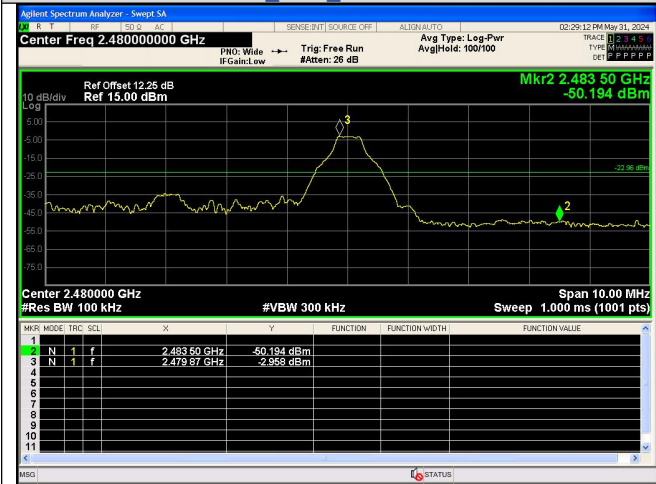
Out Of Band Emission
 $\pi/4$ DQPSK_2-DH5_Channel 39



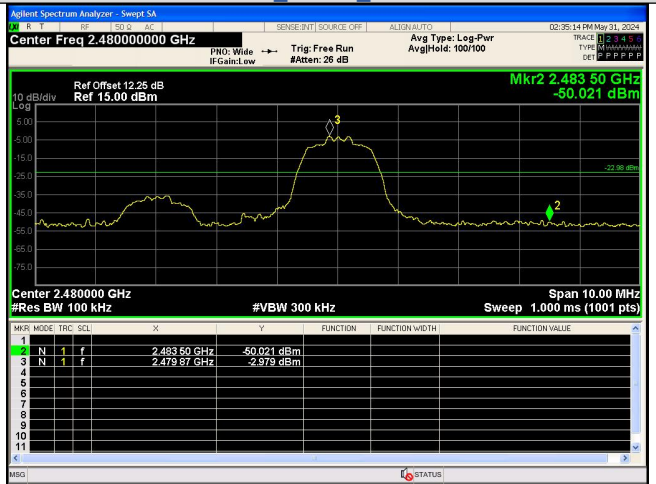
Spurious Emissions
GFSK_DH5_Channel 39



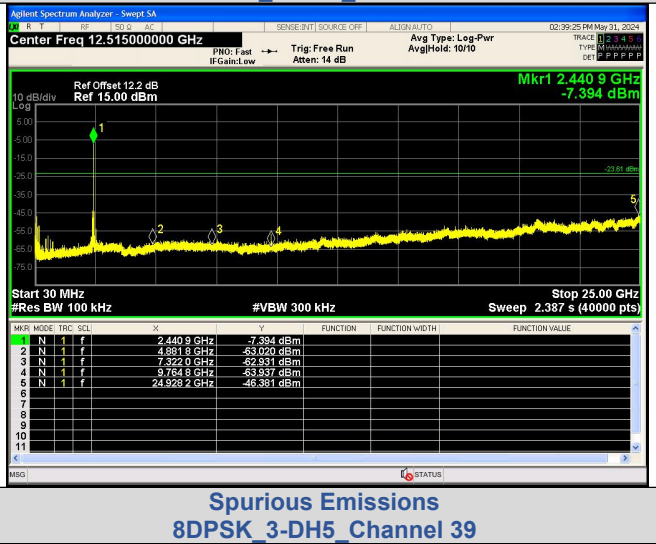
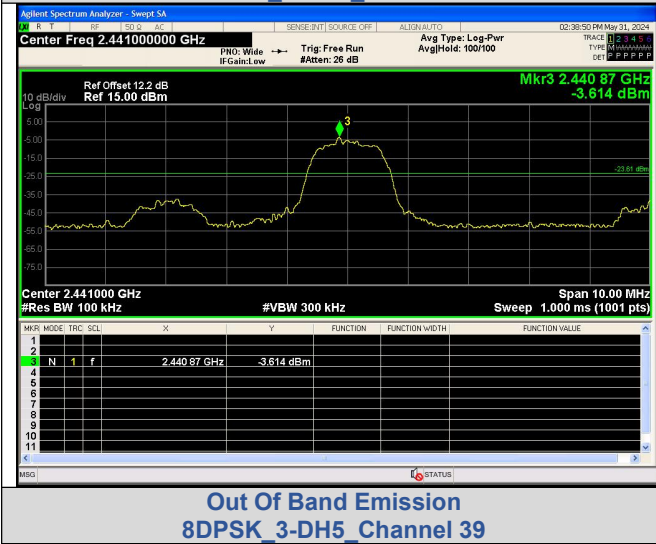
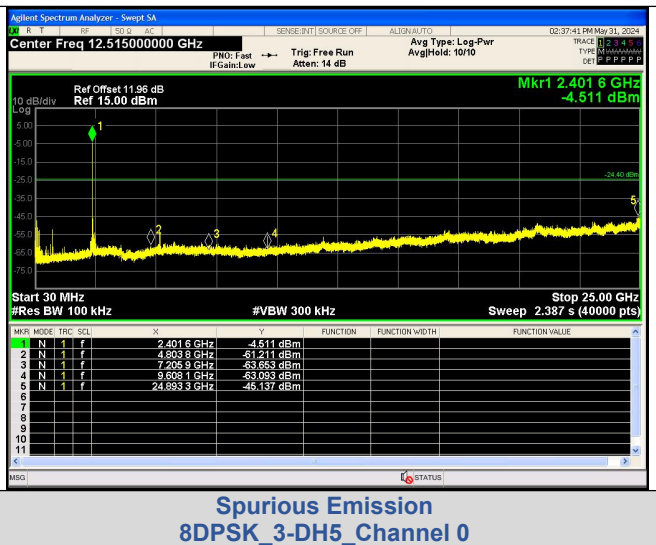
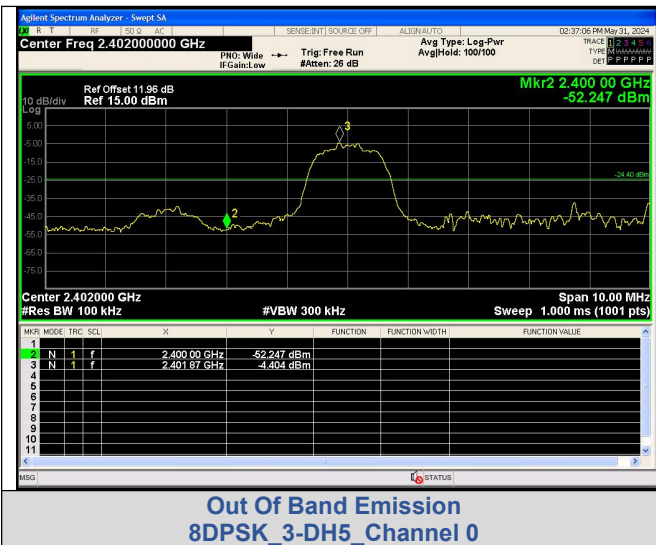
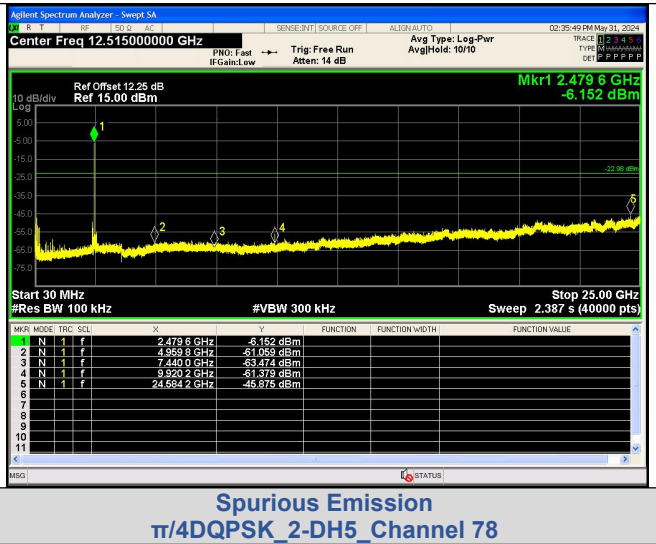
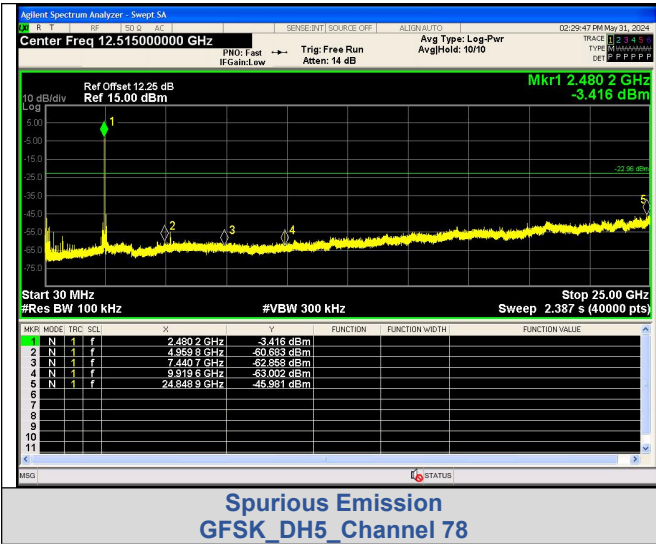
Spurious Emissions
 $\pi/4$ DQPSK_2-DH5_Channel 39

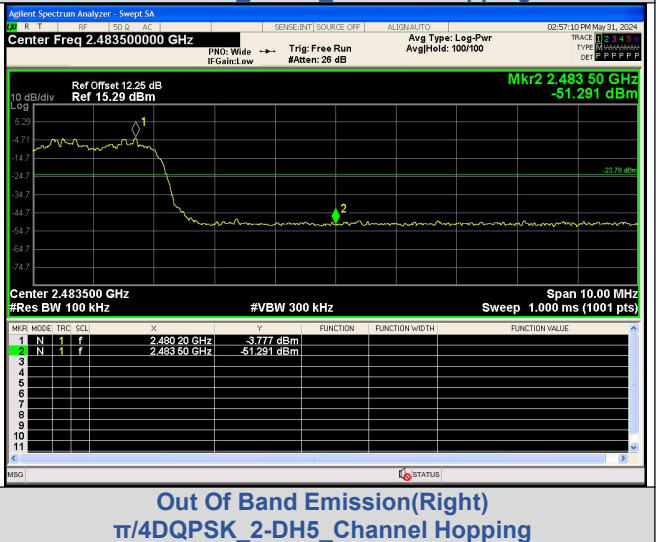
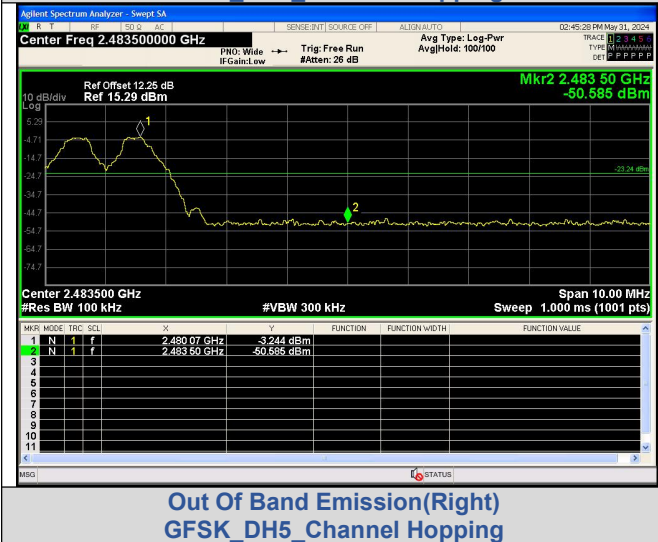
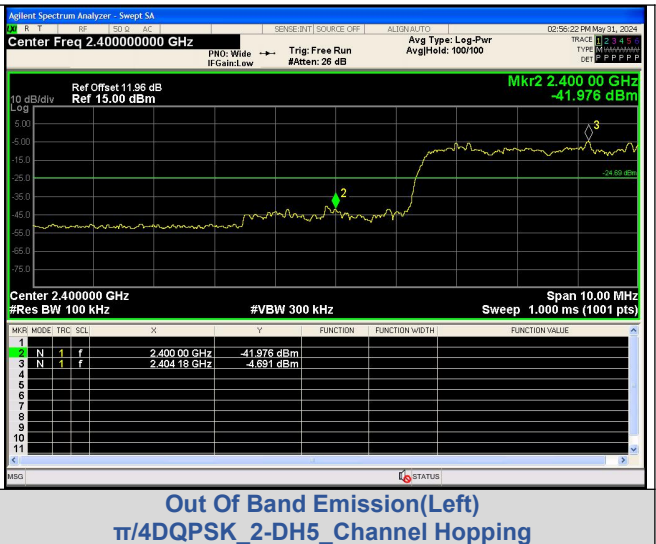
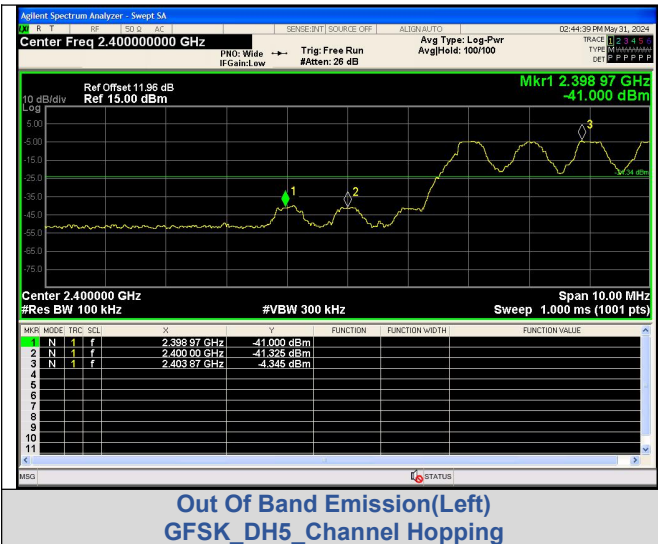
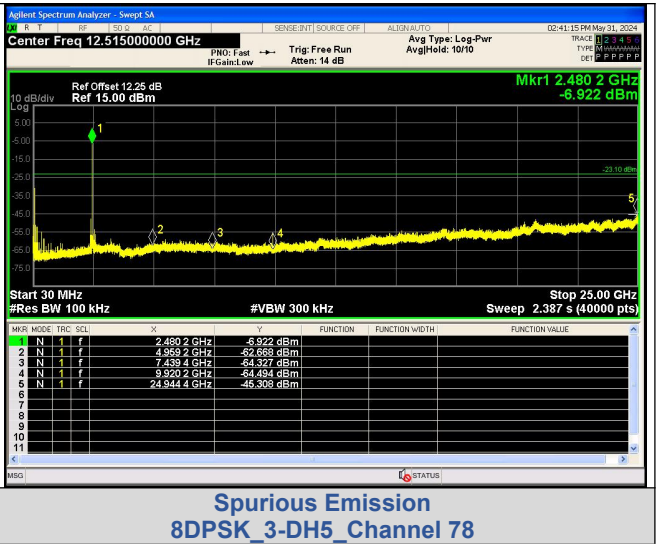
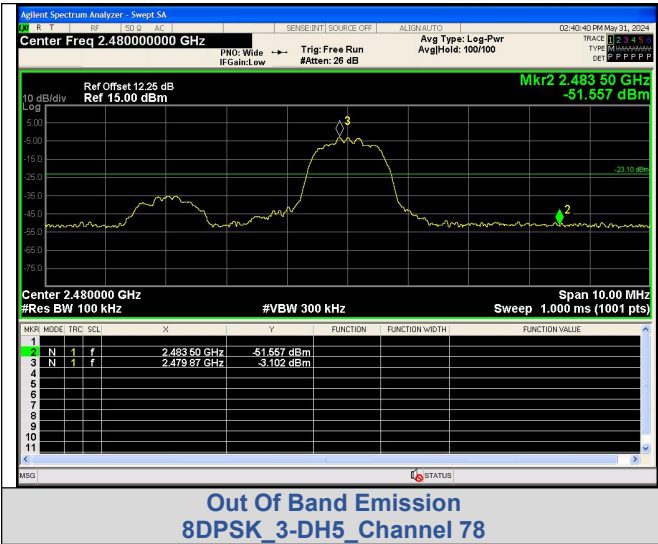


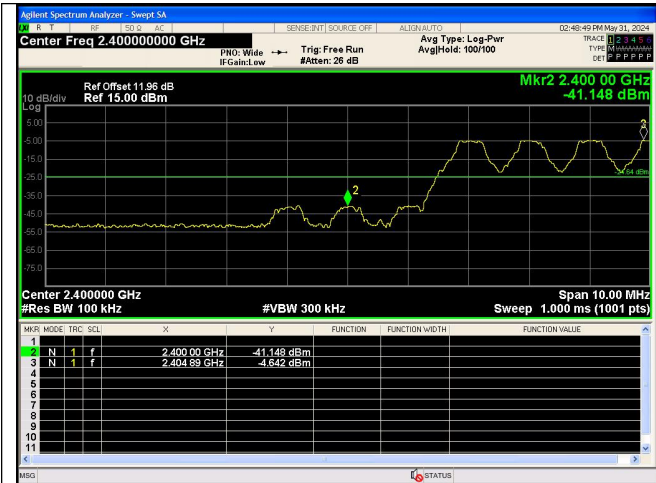
Out Of Band Emission
GFSK_DH5_Channel 78



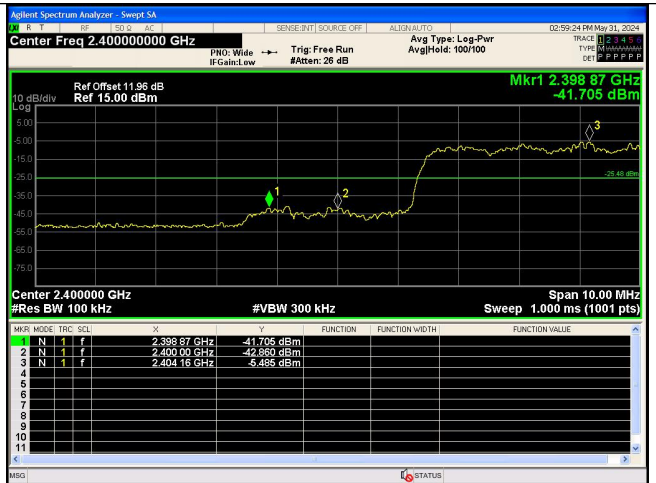
Out Of Band Emission
 $\pi/4$ DQPSK_2-DH5_Channel 78



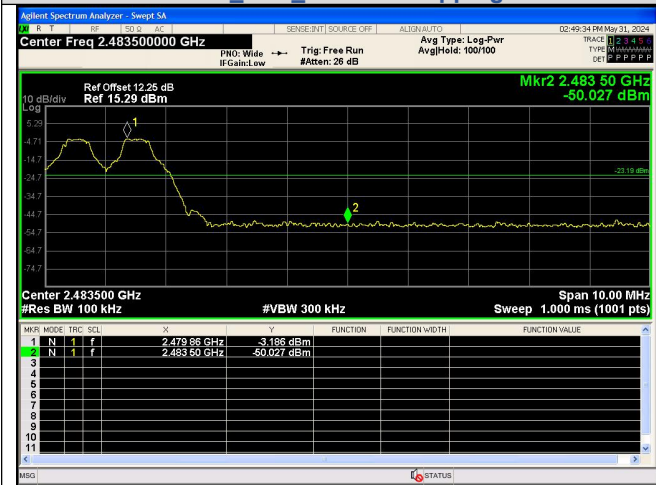




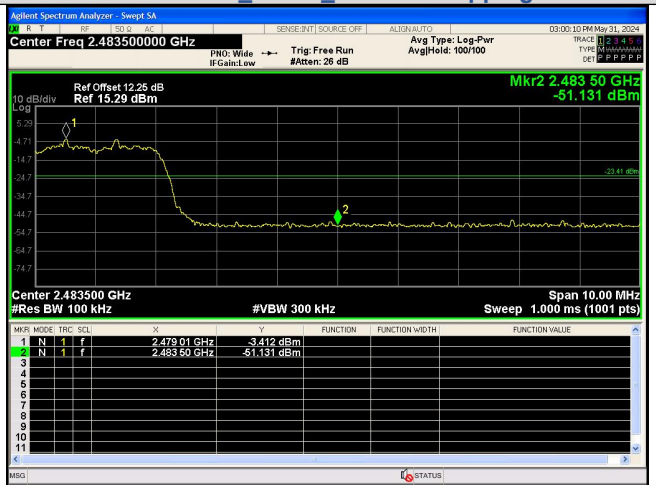
Out Of Band Emission(Left)
GFSK_DH5_Channel Hopping



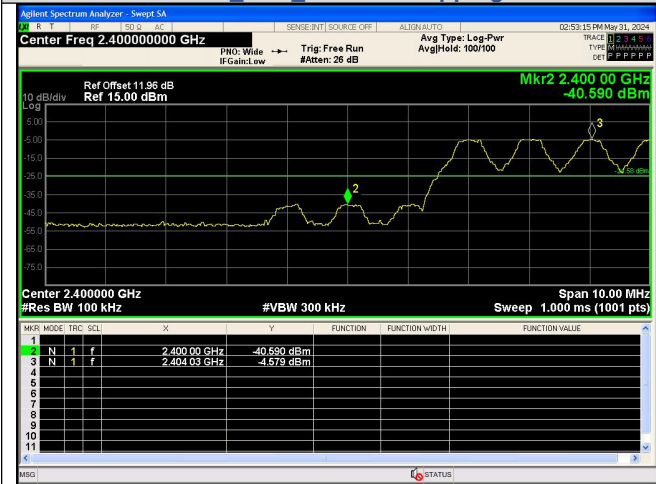
Out Of Band Emission(Left)
 $\pi/4$ DQPSK_2-DH5_Channel Hopping



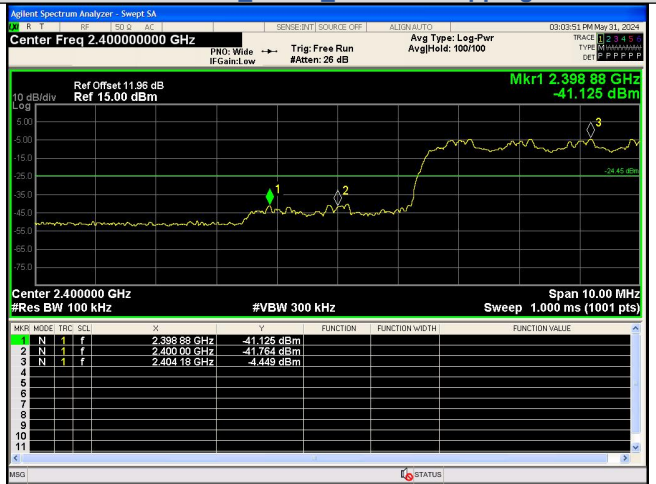
Out Of Band Emission(Right)
GFSK_DH5_Channel Hopping



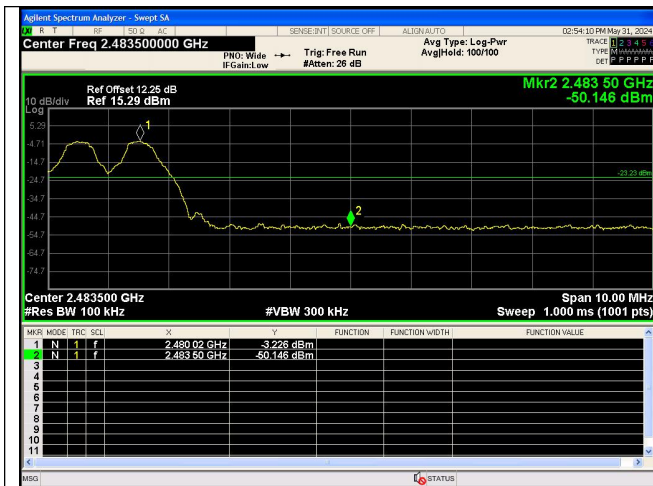
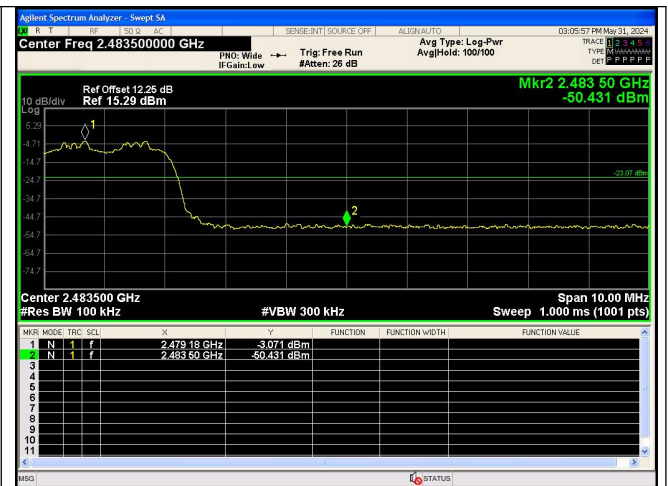
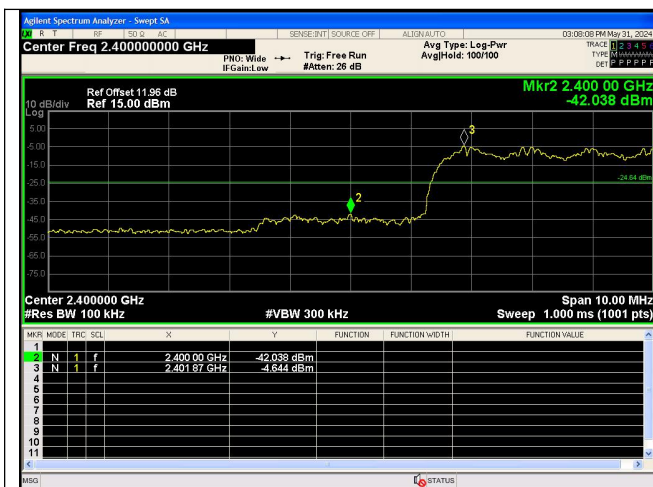
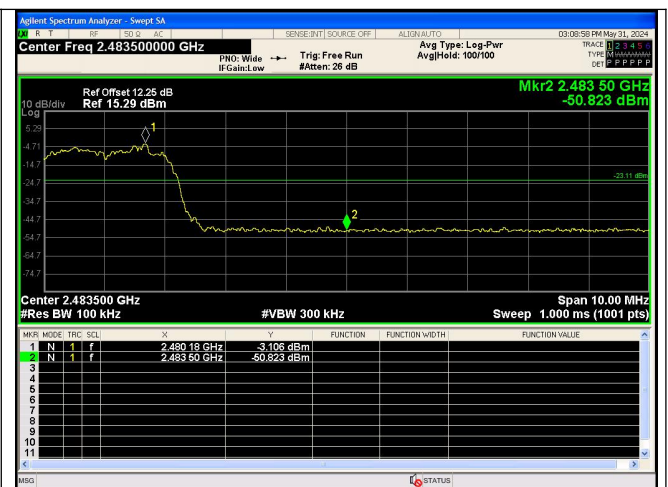
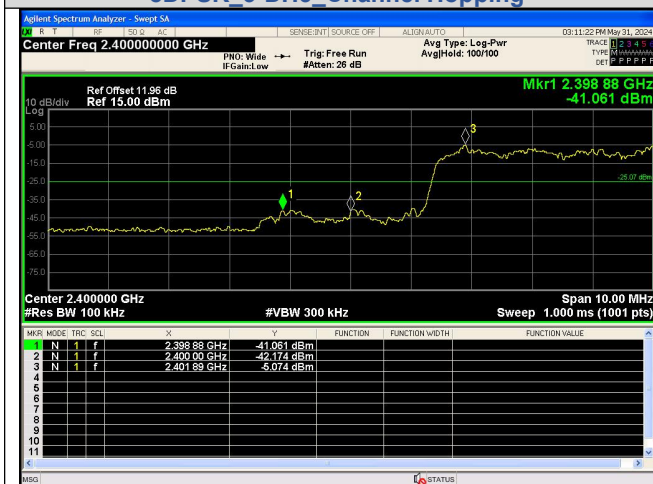
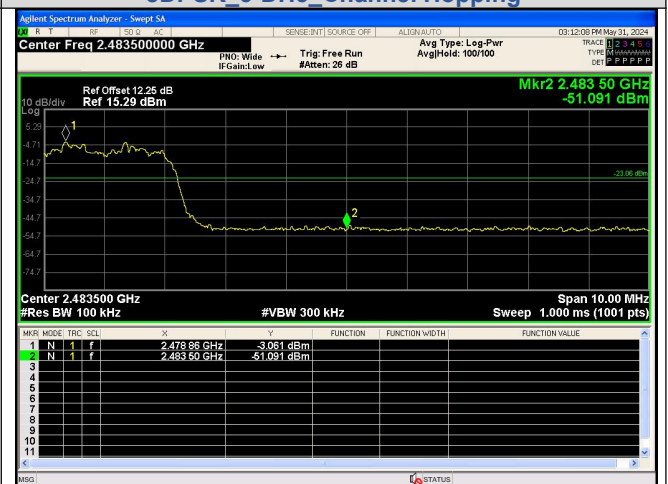
Out Of Band Emission(Right)
 $\pi/4$ DQPSK_2-DH5_Channel Hopping

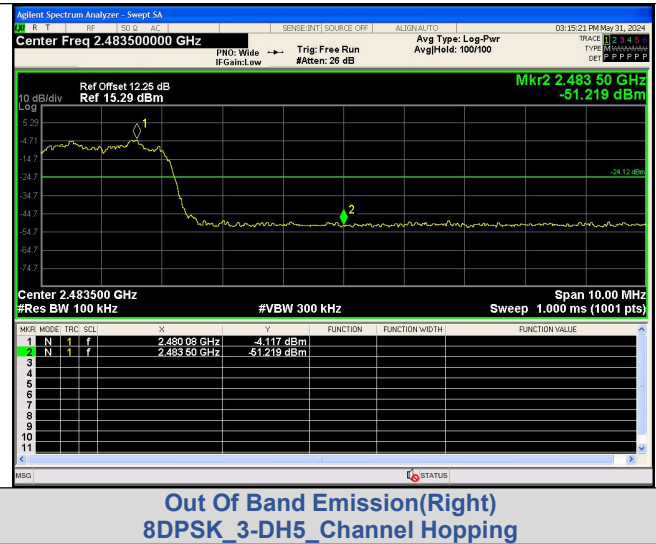
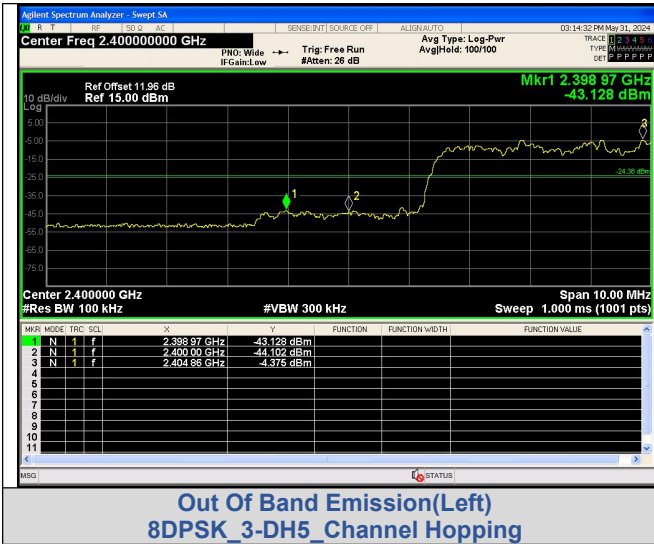


Out Of Band Emission(Left)
GFSK_DH5_Channel Hopping



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

Out Of Band Emission(Right)
GFSK_DH5_Channel HoppingOut Of Band Emission(Right)
 $\pi/4$ DQPSK_2-DH5_Channel HoppingOut Of Band Emission(Left)
8DPSK_3-DH5_Channel HoppingOut Of Band Emission(Right)
8DPSK_3-DH5_Channel HoppingOut Of Band Emission(Left)
8DPSK_3-DH5_Channel HoppingOut Of Band Emission(Right)
8DPSK_3-DH5_Channel Hopping



APPENDIX VI.Duty Cycle
Test Result

Modulation	Packets	Channel	On Time (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle (linear)	Duty Cycle Factor (dB)
GFSK	DH5	0	2.878	3.748	76.79	0.7679	1.147
		39	2.880	3.748	76.84	0.7684	1.1441
		78	2.878	3.748	76.79	0.7679	1.147
π /4DQPSK	2-DH5	0	2.886	3.748	77.00	0.7700	1.1351
		39	2.884	3.748	76.95	0.7695	1.1379
		78	2.886	3.748	77.00	0.7700	1.1351
8DPSK	3-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

Test Graphs

