



$\pi/4$ QPSK



$\pi/4$ QPSK



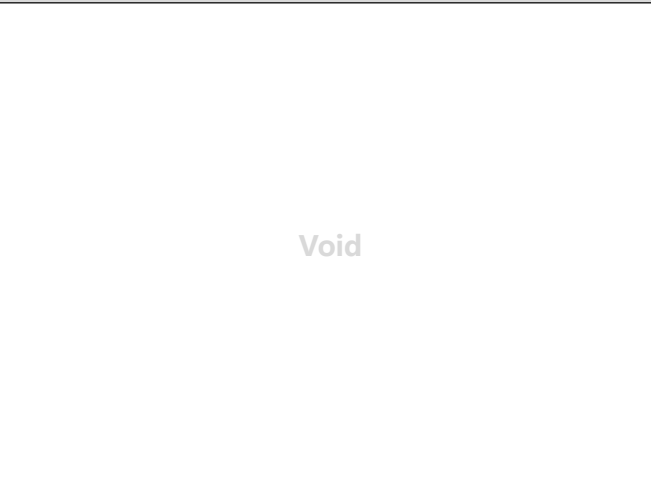
8DPSK



8DPSK



8DPSK



## APPENDIX V. Conducted Out Of Band Emission

### Test Result

Non-Hopping

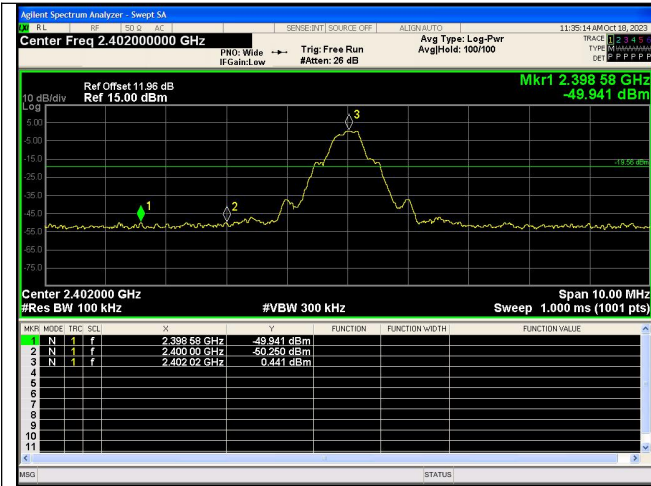
Modulation	Packet	Channel	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result
GFSK	DH5	0	2400.00	-50.250	-19.56	-30.690	PASS
			2398.58	-49.941	-19.56	-30.381	PASS
			4803.80	-61.886	-19.56	-42.326	PASS
			7205.90	-61.895	-19.56	-42.335	PASS
			9608.10	-63.059	-19.56	-43.499	PASS
			24995.6	-46.810	-19.56	-27.250	PASS
		39	4881.79	-61.745	-19.26	-42.485	PASS
			7323.92	-62.838	-19.26	-43.578	PASS
			9764.80	-63.575	-19.26	-44.316	PASS
			24909.5	-46.053	-19.26	-26.793	PASS
		78	2483.50	-52.207	-19.1	-33.107	PASS
			4959.83	-60.917	-19.1	-41.817	PASS
			7440.66	-62.579	-19.1	-43.479	PASS
			9919.62	-63.414	-19.1	-44.314	PASS
			24877.0	-45.609	-19.1	-26.509	PASS
$\pi/4$ DQPSK	2-DH5	0	2400.00	-51.724	-22.74	-28.984	PASS
			2397.01	-51.227	-22.74	-28.487	PASS
			4803.80	-63.536	-22.74	-40.796	PASS
			7205.90	-62.494	-22.74	-39.754	PASS
			9607.50	-64.592	-22.74	-41.852	PASS
			24910.1	-45.890	-22.74	-23.150	PASS
		39	4881.79	-63.843	-22.29	-41.553	PASS
			7323.92	-62.079	-22.29	-39.789	PASS
			9764.17	-62.317	-22.29	-40.027	PASS
			24928.2	-45.693	-22.29	-23.403	PASS
		78	2483.50	-52.396	-22.28	-30.116	PASS
			4959.83	-61.557	-22.28	-39.277	PASS
			7439.41	-62.557	-22.28	-40.277	PASS
			9920.24	-64.591	-22.28	-42.311	PASS
			24880.8	-45.799	-22.28	-23.519	PASS
8DPSK	3-DH5	0	2400.00	-51.648	-22.71	-28.938	PASS
			2398.77	-49.718	-22.71	-27.008	PASS
			4803.80	-63.238	-22.71	-40.528	PASS
			7206.60	-61.098	-22.71	-38.388	PASS
			9607.50	-63.535	-22.71	-40.825	PASS

		39	24956.9	-46.260	-22.71	-23.550	PASS
			4881.17	-63.702	-22.34	-41.362	PASS
			7323.30	-63.616	-22.34	-41.276	PASS
			9764.17	-63.197	-22.34	-40.856	PASS
			24931.3	-45.958	-22.34	-23.618	PASS
		78	2483.50	-51.848	-22.14	-29.708	PASS
			4959.20	-62.531	-22.14	-40.391	PASS
			7440.03	-63.002	-22.14	-40.862	PASS
			9920.86	-64.733	-22.14	-42.593	PASS
			24991.9	-46.505	-22.14	-24.365	PASS

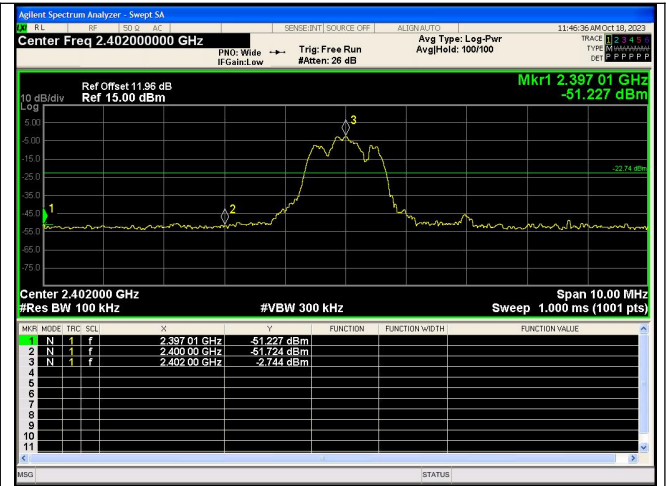
Hopping

Modulation	Packet	Channel	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result
GFSK	DH5	Hopping	2396.58	-49.399	-19.48	-29.919	PASS
			2400.00	-50.328	-19.48	-30.848	PASS
			2483.50	-50.583	-19.42	-31.163	PASS
			2397.10	-49.614	-19.54	-30.074	PASS
			2400.00	-51.331	-19.54	-31.791	PASS
			2483.50	-49.981	-19.41	-30.571	PASS
			2398.00	-49.578	-19.58	-29.998	PASS
			2400.00	-50.704	-19.58	-31.124	PASS
			2483.50	-50.764	-19.33	-31.434	PASS
$\pi/4$ DQPSK	2-DH5		2395.23	-49.699	-19.53	-30.169	PASS
			2400.00	-51.494	-19.53	-31.964	PASS
			2483.50	-50.524	-19.45	-31.074	PASS
			2395.37	-49.949	-19.53	-30.419	PASS
			2400.00	-50.990	-19.53	-31.460	PASS
			2483.50	-50.585	-19.29	-31.295	PASS
			2395.11	-49.464	-19.39	-30.074	PASS
			2400.00	-51.388	-19.39	-31.998	PASS
			2483.50	-50.476	-19.28	-31.196	PASS
8DPSK	3-DH5	2398.23	-49.924	-19.59	-30.334	PASS	
		2400.00	-49.955	-19.59	-30.365	PASS	
		2483.50	-50.480	-19.78	-30.700	PASS	
		2397.50	-49.891	-19.85	-30.041	PASS	
		2400.00	-50.878	-19.85	-31.028	PASS	
		2483.50	-49.714	-19.29	-30.424	PASS	
		2397.75	-49.339	-19.79	-29.549	PASS	
		2400.00	-50.382	-19.79	-30.592	PASS	
		2483.50	-49.984	-19.14	-30.844	PASS	

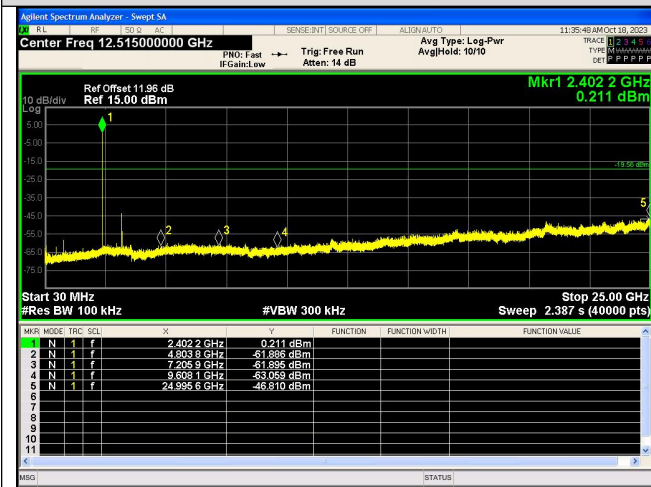
Test Graphs



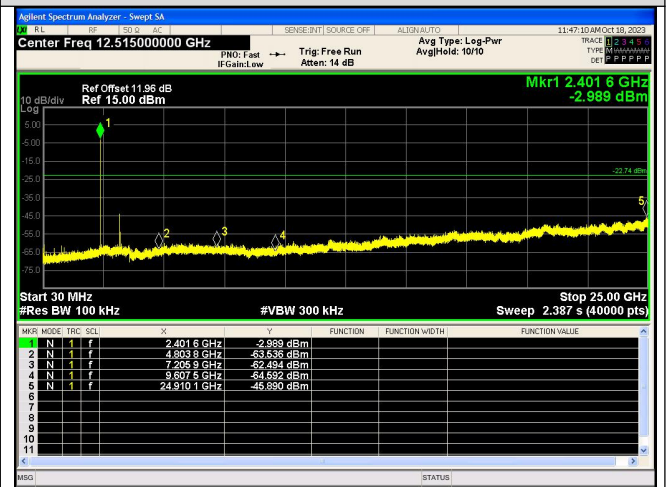
Out Of Band Emission  
GFSK\_DH5\_Channel 0



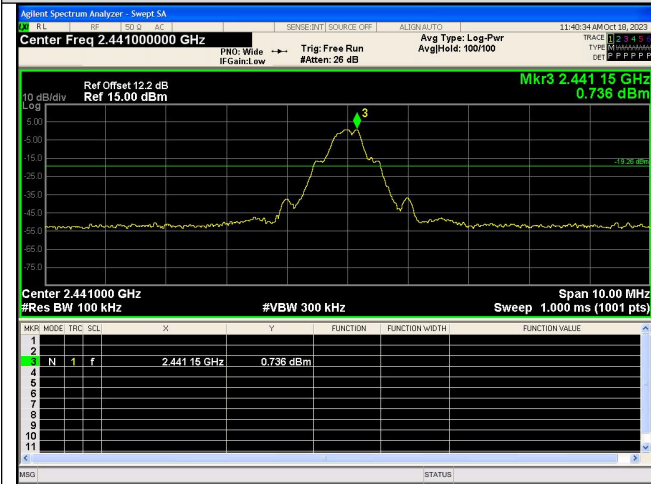
Out Of Band Emission  
 $\pi/4$ DQPSK\_2-DH5\_Channel 0



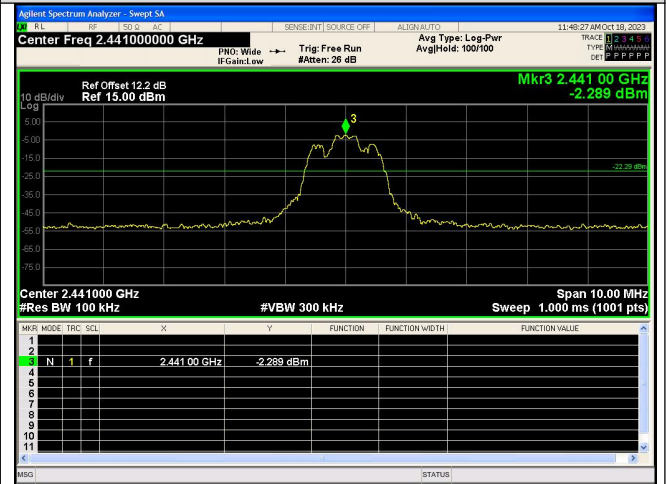
Spurious Emission  
GFSK\_DH5\_Channel 0



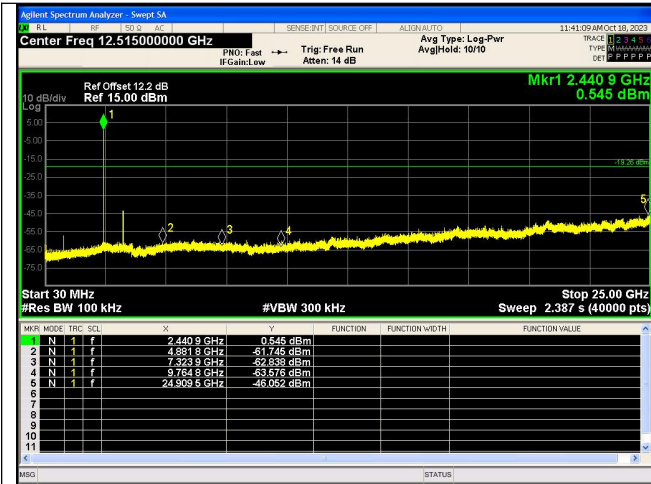
Spurious Emission  
 $\pi/4$ DQPSK\_2-DH5\_Channel 0



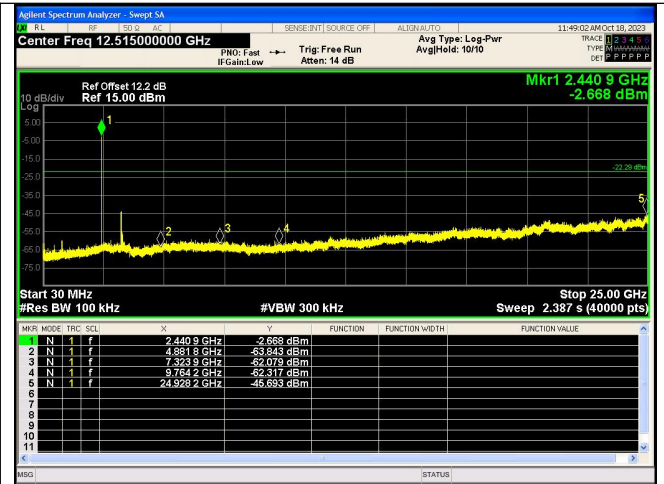
Out Of Band Emission  
GFSK\_DH5\_Channel 39



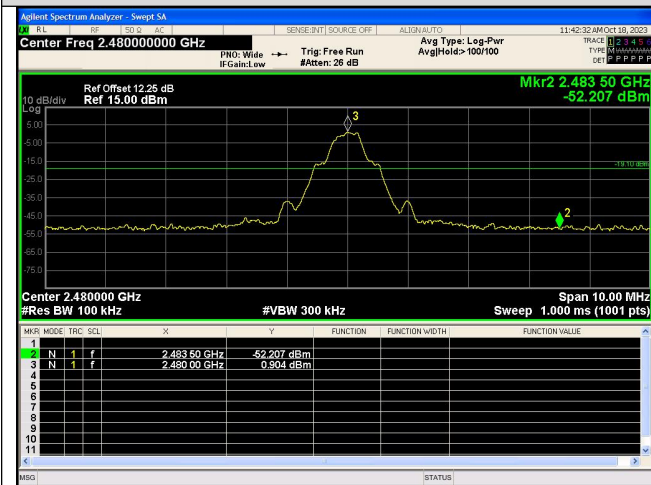
Out Of Band Emission  
 $\pi/4$ DQPSK\_2-DH5\_Channel 39



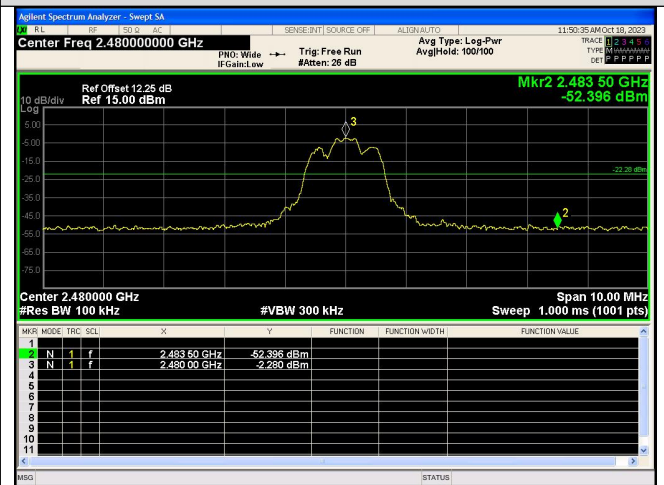
Spurious Emissions  
GFSK\_DH5\_Channel 39



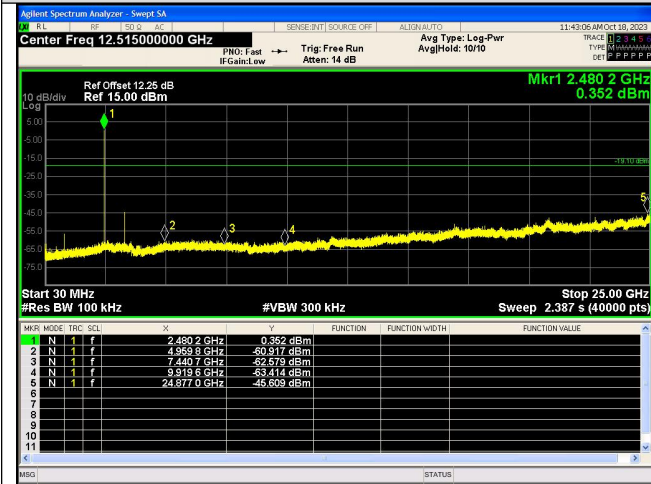
Spurious Emissions  
 $\pi/4$ DQPSK\_2-DH5\_Channel 39



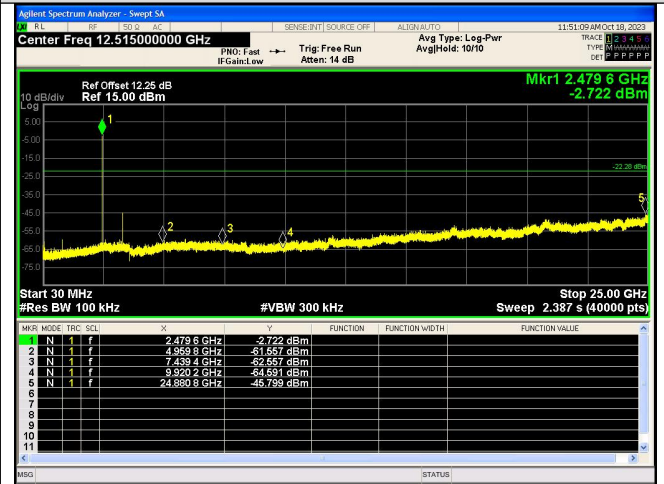
Out Of Band Emission  
GFSK\_DH5\_Channel 78



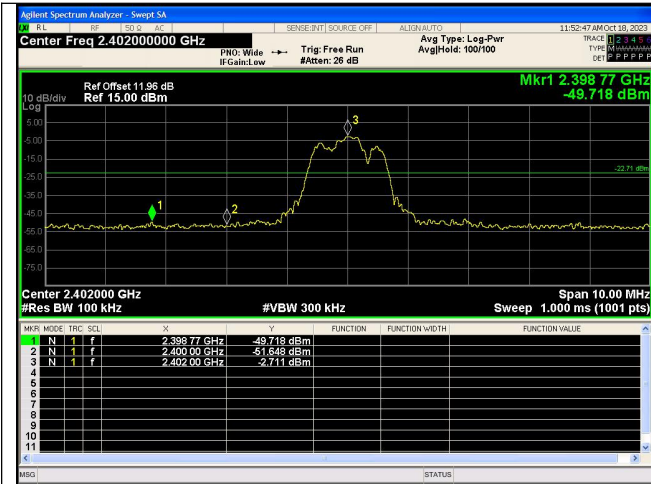
Out Of Band Emission  
 $\pi/4$ DQPSK\_2-DH5\_Channel 78



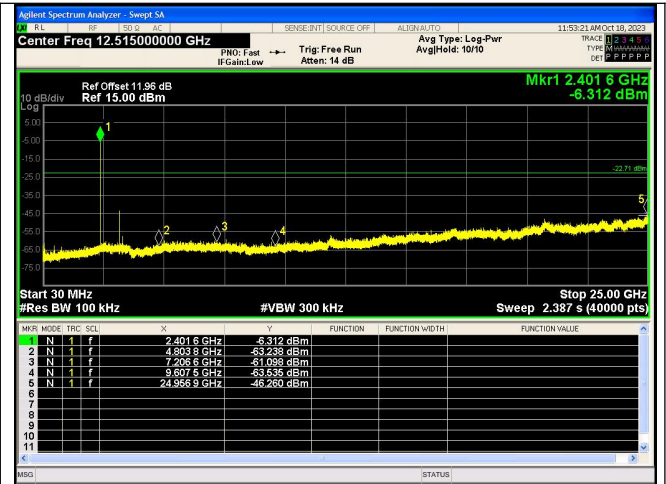
Spurious Emission  
GFSK\_DH5\_Channel 78



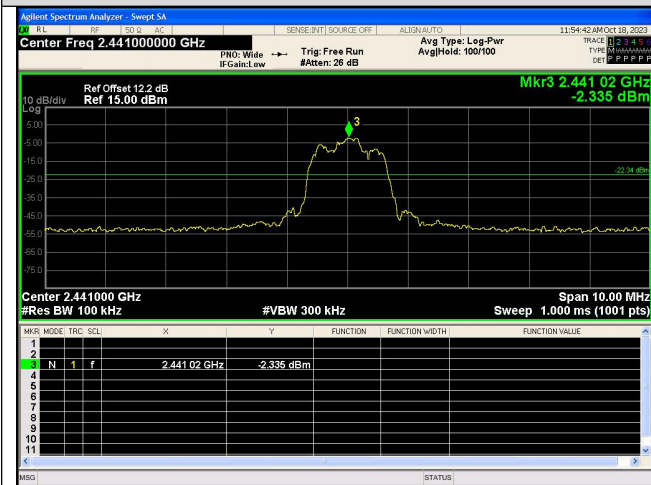
Spurious Emission  
 $\pi/4$ DQPSK\_2-DH5\_Channel 78



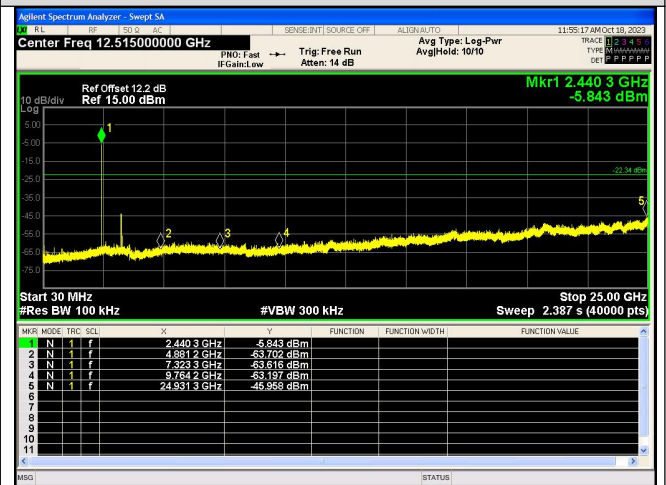
Out Of Band Emission  
 8DPSK\_3-DH5\_Channel 0



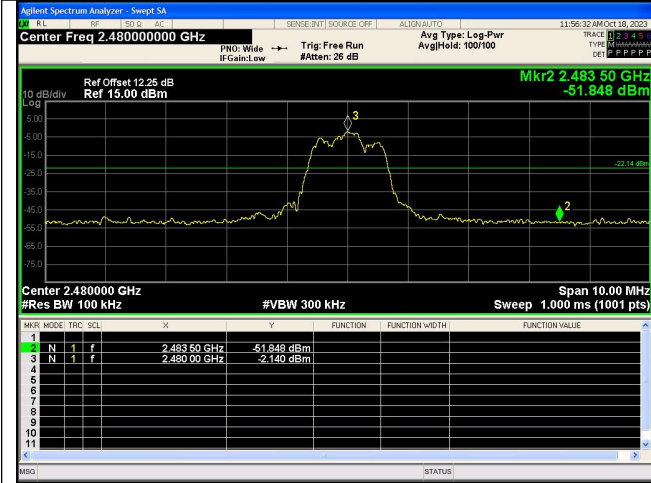
Spurious Emission  
 8DPSK\_3-DH5\_Channel 0



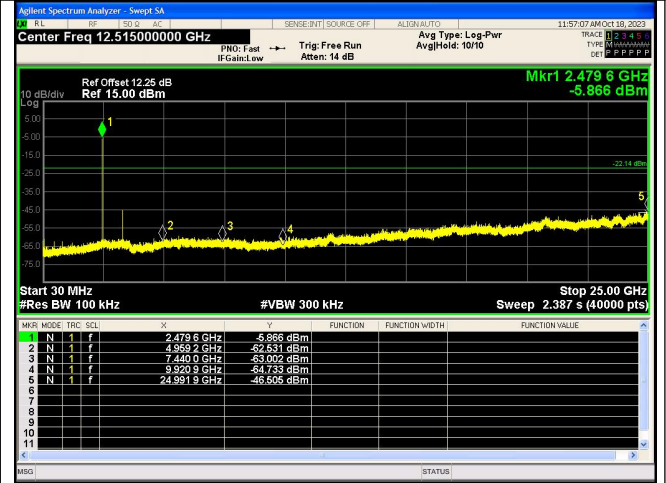
Out Of Band Emission  
 8DPSK\_3-DH5\_Channel 39



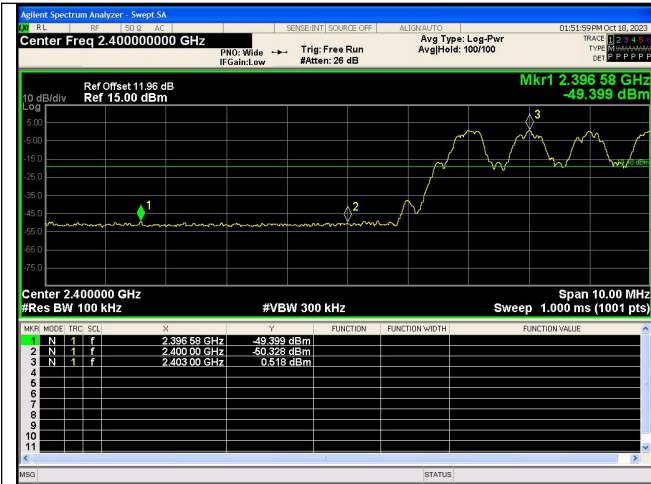
Spurious Emissions  
 8DPSK\_3-DH5\_Channel 39



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



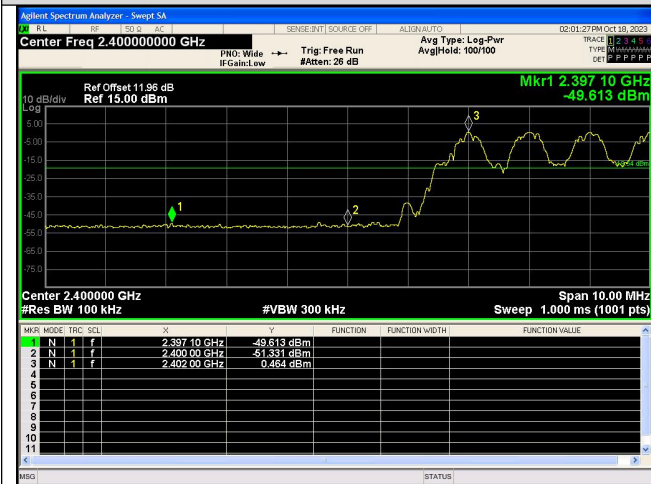
Out Of Band Emission(Left)  
 $\pi/4$ DQPSK\_2-DH5\_Channel Hopping



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)  
GFSK\_DH5\_Channel Hopping



Out Of Band Emission(Left)  
 $\pi/4$ DQPSK\_2-DH5\_Channel Hopping