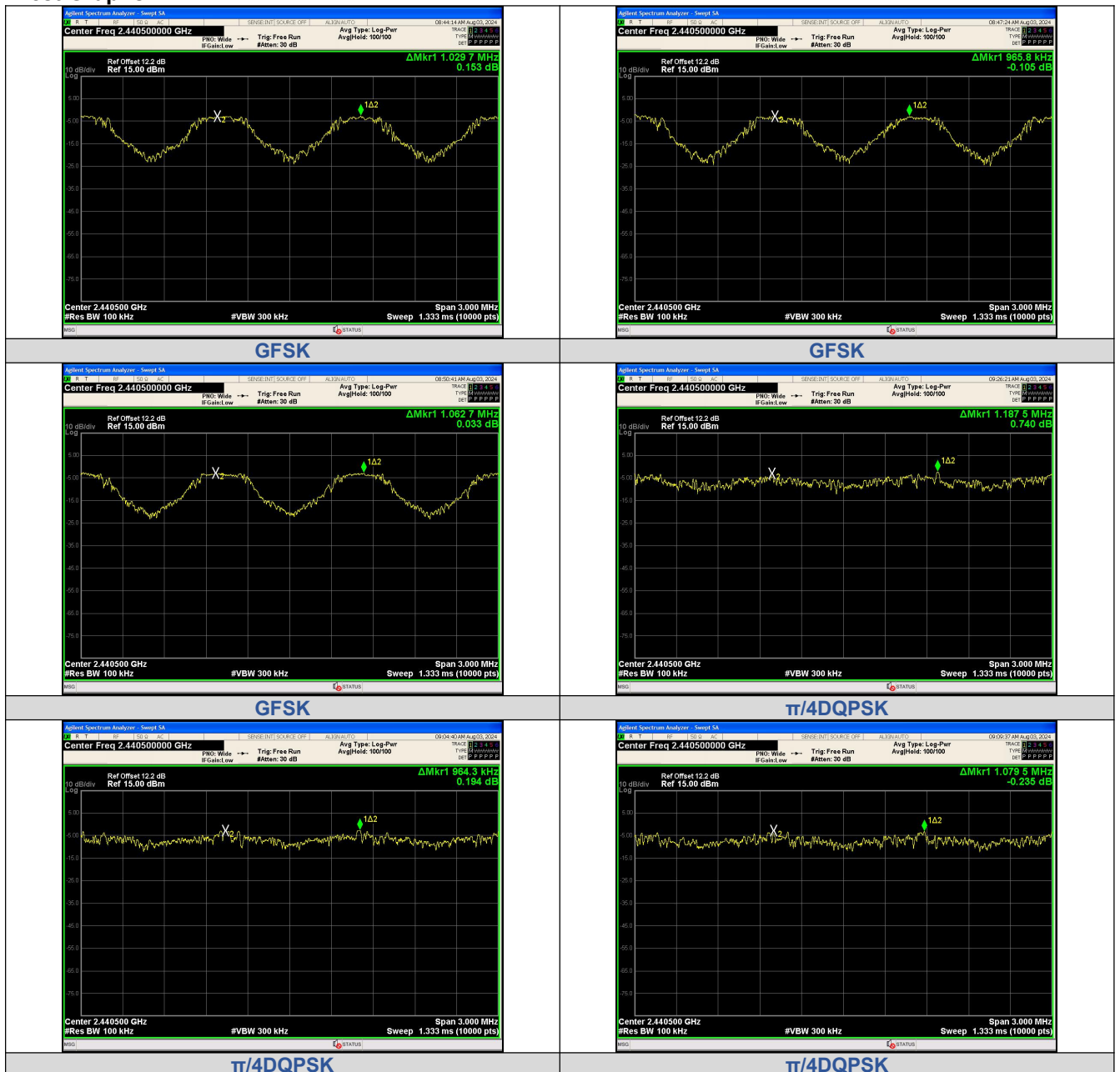


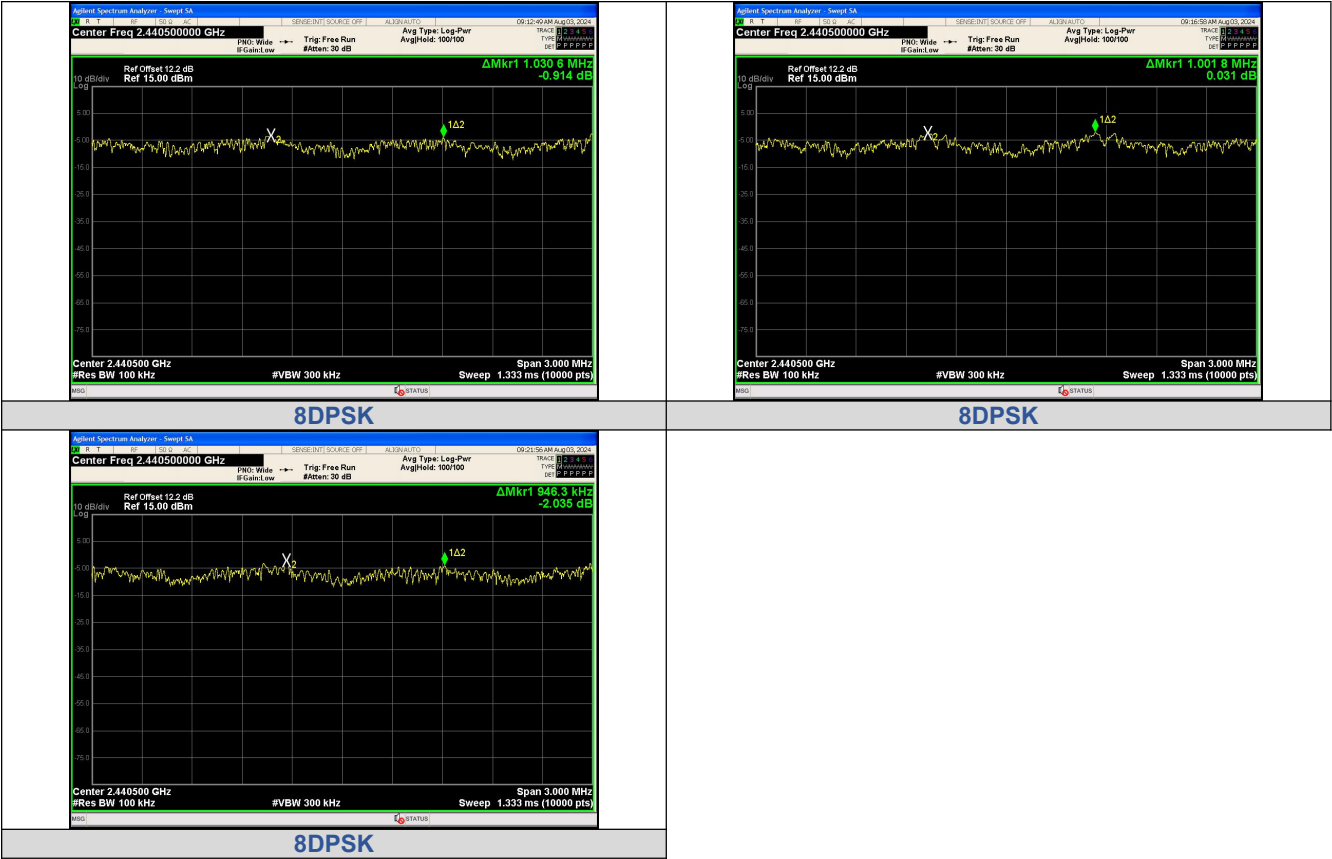
APPENDIX IV. Carrier Frequencies Separation

Test Result

Modulation	Packet	Left Center frequency (MHz)	Right Center frequency (MHz)	Hopping Frequency Separation (MHz)	Limit (MHz)	Result
GFSK	DH5	2439.9799	2441.0096	1.0297	0.623	PASS
GFSK	DH5	2440.009	2440.9748	0.9658	0.624	PASS
GFSK	DH5	2439.9691	2441.0318	1.0627	0.623	PASS
$\pi/4$ DQPSK	2-DH5	2439.988	2441.1755	1.1875	0.878	PASS
$\pi/4$ DQPSK	2-DH5	2440.0384	2441.0027	0.9643	0.879	PASS
$\pi/4$ DQPSK	2-DH5	2440.0003	2441.0798	1.0795	0.874	PASS
8DPSK	3-DH5	2440.0741	2441.1047	1.0306	0.873	PASS
8DPSK	3-DH5	2440.0312	2441.033	1.0018	0.873	PASS
8DPSK	3-DH5	2440.165	2441.1113	0.9463	0.871	PASS

Test Graphs





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

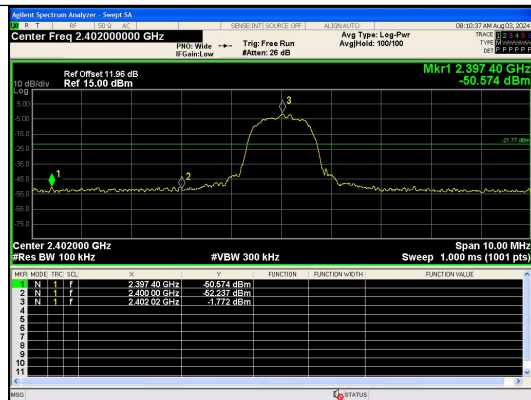
Modulation	Packet	Channel	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result
GFSK	DH5	0	2398.39	-50.063	-20.11	-29.953	PASS
			2400.00	-52.392	-20.11	-32.282	PASS
			3202.40	-43.391	-20.11	-23.281	PASS
			4804.30	-61.143	-20.11	-41.033	PASS
			7205.10	-62.549	-20.11	-42.439	PASS
			9608.50	-64.808	-20.11	-44.698	PASS
		39	3254.88	-43.833	-17.29	-26.543	PASS
			4881.67	-57.284	-17.29	-39.994	PASS
			7323.11	-63.494	-17.29	-46.204	PASS
			9763.31	-63.768	-17.29	-46.478	PASS
		78	2483.50	-51.419	-18.95	-32.469	PASS
			3306.69	-44.963	-18.95	-26.013	PASS
			4960.33	-60.667	-18.95	-41.718	PASS
			7440.47	-62.813	-18.95	-43.863	PASS
			9919.37	-64.918	-18.95	-45.968	PASS
π /4DQPSK	2-DH5	0	2400.00	-50.748	-23.45	-27.298	PASS
			3202.44	-44.404	-23.45	-20.954	PASS
			4803.64	-64.093	-23.45	-40.642	PASS
			7206.38	-62.213	-23.45	-38.763	PASS
			9608.49	-62.852	-23.45	-39.402	PASS
		39	3254.88	-44.036	-23.18	-20.856	PASS
			4882.30	-61.391	-23.18	-38.211	PASS
			7322.49	-62.777	-23.18	-39.597	PASS
			9763.93	-63.384	-23.18	-40.204	PASS
		78	2483.50	-51.535	-21.43	-30.105	PASS
			3306.69	-45.254	-21.43	-23.824	PASS
			4960.33	-61.552	-21.43	-40.122	PASS
			7439.22	-62.813	-21.43	-41.383	PASS
			9919.99	-64.323	-21.43	-42.893	PASS
8DPSK	3-DH5	0	2397.40	-50.574	-21.77	-28.804	PASS
			2400.00	-52.237	-21.77	-30.467	PASS
			3202.40	-44.252	-21.77	-22.482	PASS
			4803.60	-63.545	-21.77	-41.775	PASS
			7205.80	-63.435	-21.77	-41.665	PASS
			9608.50	-64.323	-21.77	-42.553	PASS
		39	3254.88	-44.331	-23.5	-20.831	PASS
			4881.67	-63.170	-23.5	-39.670	PASS
			7322.49	-62.259	-23.5	-38.759	PASS
			9764.55	-62.463	-23.5	-38.963	PASS
		78	2483.50	-50.823	-21.71	-29.113	PASS
			4960.95	-62.947	-21.71	-41.237	PASS
			7439.22	-62.919	-21.71	-41.209	PASS
			9919.37	-63.465	-21.71	-41.755	PASS
			24935.7	-45.681	-21.71	-23.971	PASS

Hopping

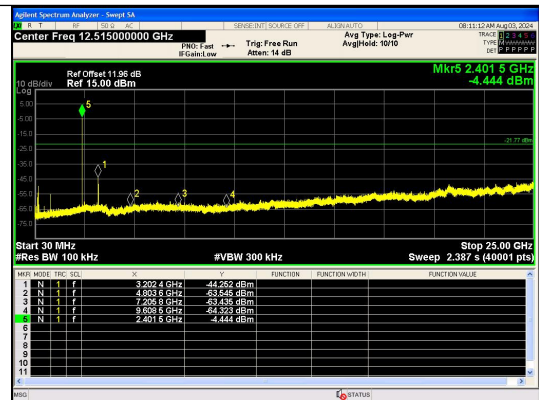
Modulation	Packet	Channel	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result
GFSK	DH5	Hopping	2395.63	-49.992	-21.0	-28.992	PASS
			2400.00	-51.650	-21.0	-30.650	PASS
			2483.50	-51.543	-21.73	-29.813	PASS
			2398.67	-49.942	-21.69	-28.252	PASS
			2400.00	-52.688	-21.69	-30.998	PASS
			2483.50	-50.946	-21.55	-29.396	PASS
			2398.99	-46.565	-21.94	-24.625	PASS
			2400.00	-48.230	-21.94	-26.290	PASS
			2483.50	-50.930	-21.44	-29.490	PASS
			2395.77	-49.738	-23.48	-26.258	PASS
π /4DQPSK	2-DH5						

			2400.00	-51.754	-23.48	-28.274	PASS
			2483.50	-51.287	-21.42	-29.867	PASS
			2396.02	-50.232	-21.4	-28.832	PASS
			2400.00	-51.886	-21.4	-30.486	PASS
			2483.50	-50.290	-23.58	-26.710	PASS
			2395.30	-49.959	-21.58	-28.379	PASS
			2400.00	-51.559	-21.58	-29.979	PASS
			2483.50	-51.735	-21.39	-30.345	PASS
8DPSK	3-DH5		2397.93	-49.180	-21.41	-27.770	PASS
			2400.00	-50.992	-21.41	-29.582	PASS
			2483.50	-51.401	-22.37	-29.031	PASS
			2397.58	-49.991	-21.28	-28.711	PASS
			2400.00	-50.093	-21.28	-28.813	PASS
			2483.50	-50.909	-21.51	-29.399	PASS
			2395.74	-50.244	-22.38	-27.864	PASS
			2400.00	-50.335	-22.38	-27.955	PASS
			2483.50	-50.388	-23.88	-26.508	PASS

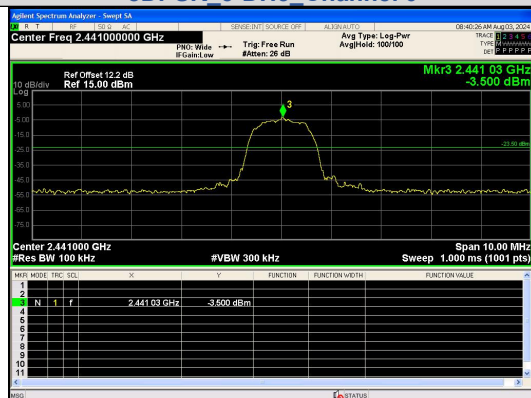
Test Graphs

[illegible]

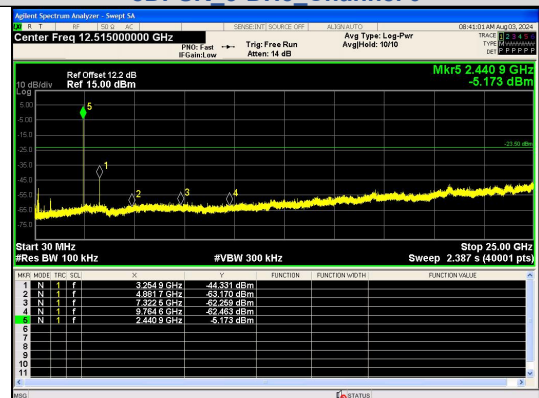
Out Of Band Emission
8DPSK_3-DH5_Channel 0



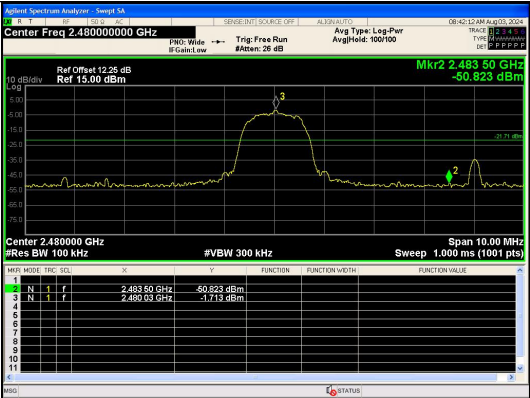
30.0 MHz - 25000.0 MHz
8DPSK 3-DH5_Channel 0



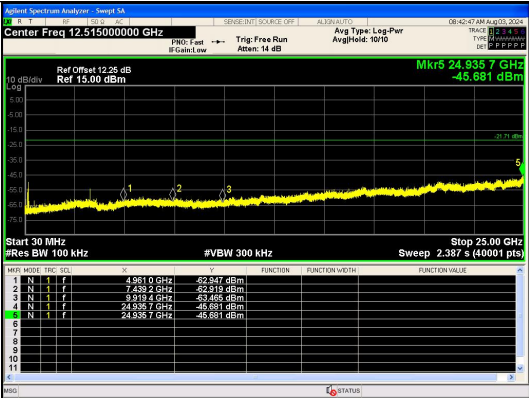
Out Of Band Emission



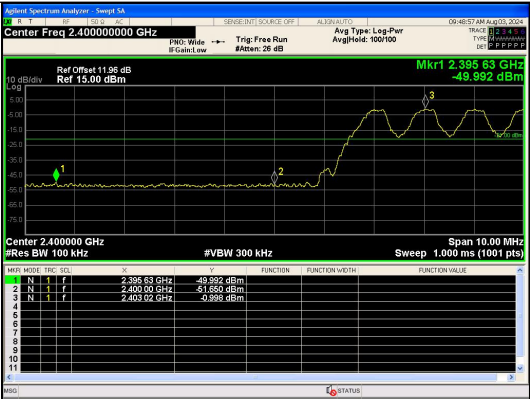
30.0 MHz - 25000.0 MHz
8DPSK 3-DH5 Channel 39



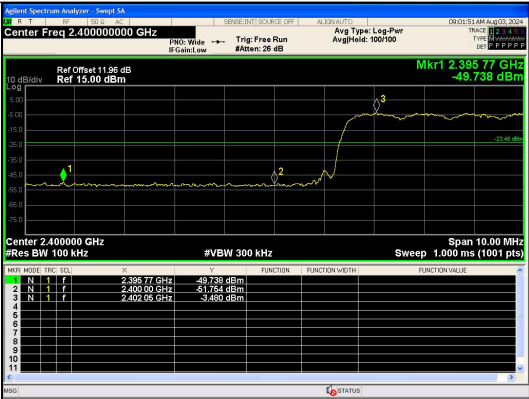
Out Of Band Emission
8DPSK 3-DH5 Channel 78



30.0 MHz - 25000.0 MHz
8DPSK 3-DH5 Channel 78



Out Of Band Emission(Left)
GFSK DH5 Channel Hopping



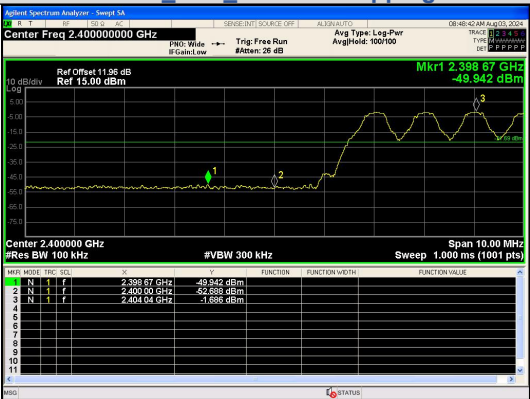
Out Of Band Emission(Left)
 $\pi/4$ DQPSK 2-DH5 Channel Hopping



Out Of Band Emission(Right)
GFSK DH5 Channel Hopping



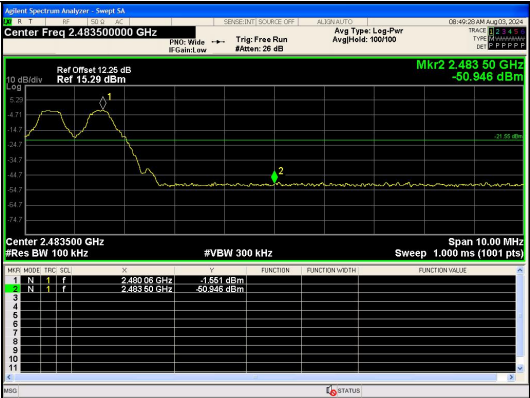
Out Of Band Emission(Right)
 $\pi/4$ DQPSK 2-DH5 Channel Hopping



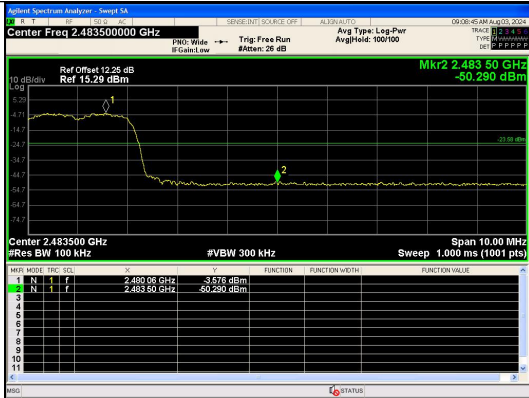
Out Of Band Emission(Left)
GFSK DH5 Channel Hopping



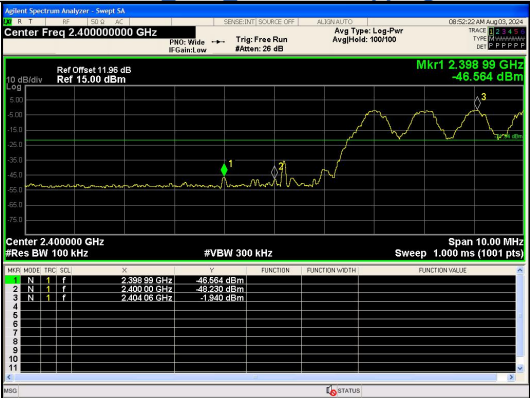
Out Of Band Emission(Left)
 $\pi/4$ DQPSK 2-DH5 Channel Hopping



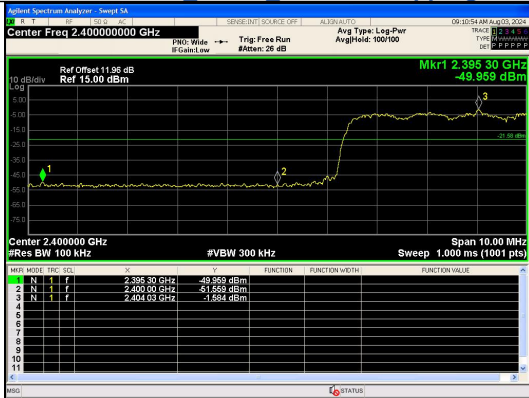
Out Of Band Emission(Right)
GFSK_DH5_Channel Hopping



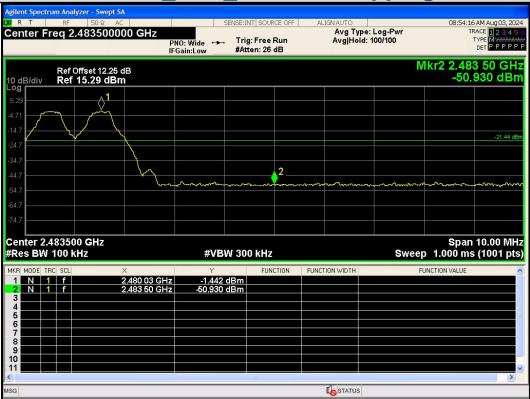
Out Of Band Emission(Right)
 $\pi/4$ DQPSK_2-DH5_Channel Hopping



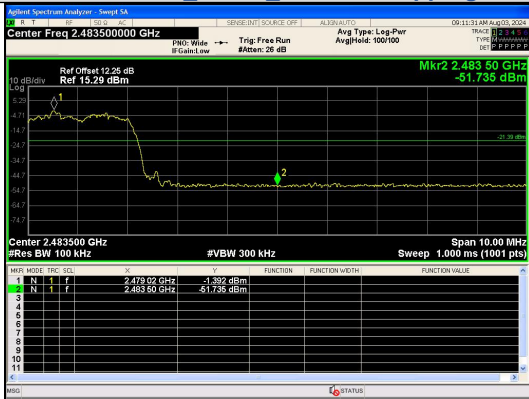
Out Of Band Emission(Left)
GFSK_DH5_Channel Hopping



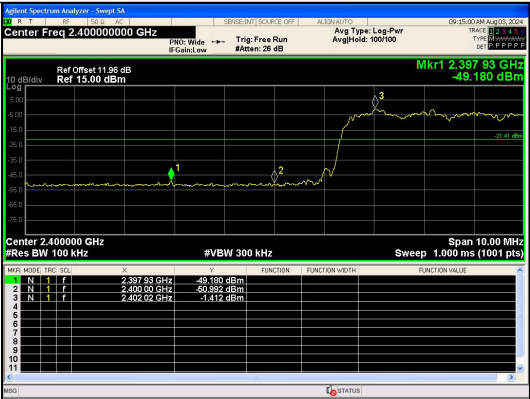
Out Of Band Emission(Left)
 $\pi/4$ DQPSK_2-DH5_Channel Hopping



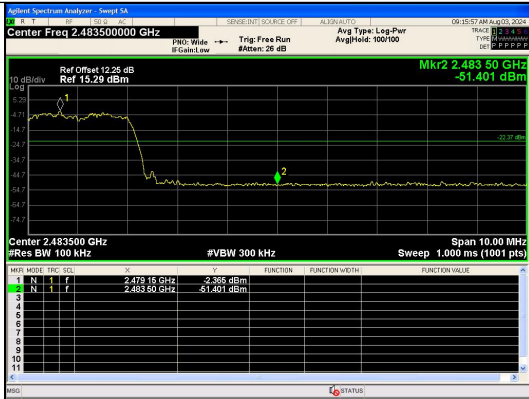
Out Of Band Emission(Right)
GFSK_DH5_Channel Hopping



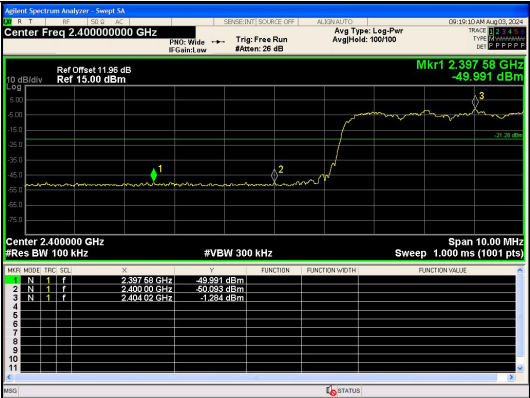
Out Of Band Emission(Right)
 $\pi/4$ DQPSK_2-DH5_Channel Hopping



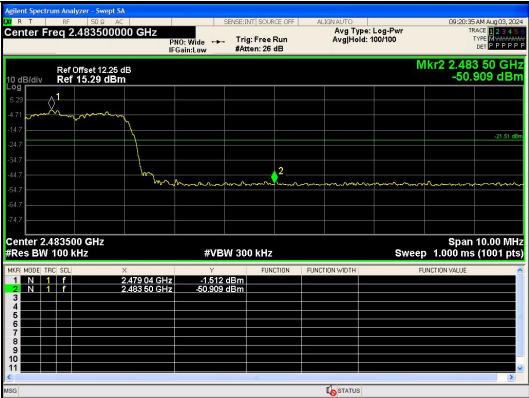
Out Of Band Emission(Left)
8DPSK_3-DH5_Channel Hopping



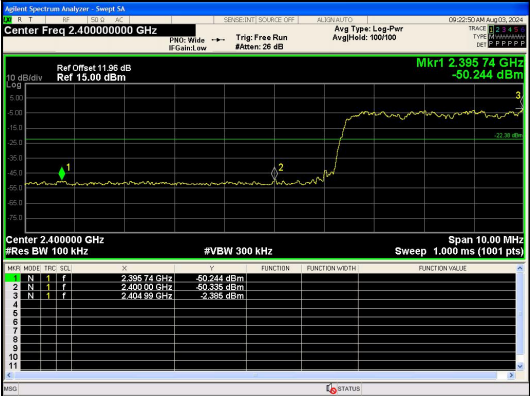
Out Of Band Emission(Right)
8DPSK_3-DH5_Channel Hopping



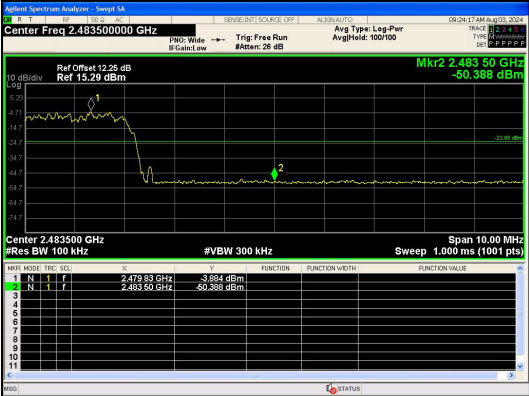
Out Of Band Emission(Left)
8DPSK_3-DH5_Channel Hopping



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



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



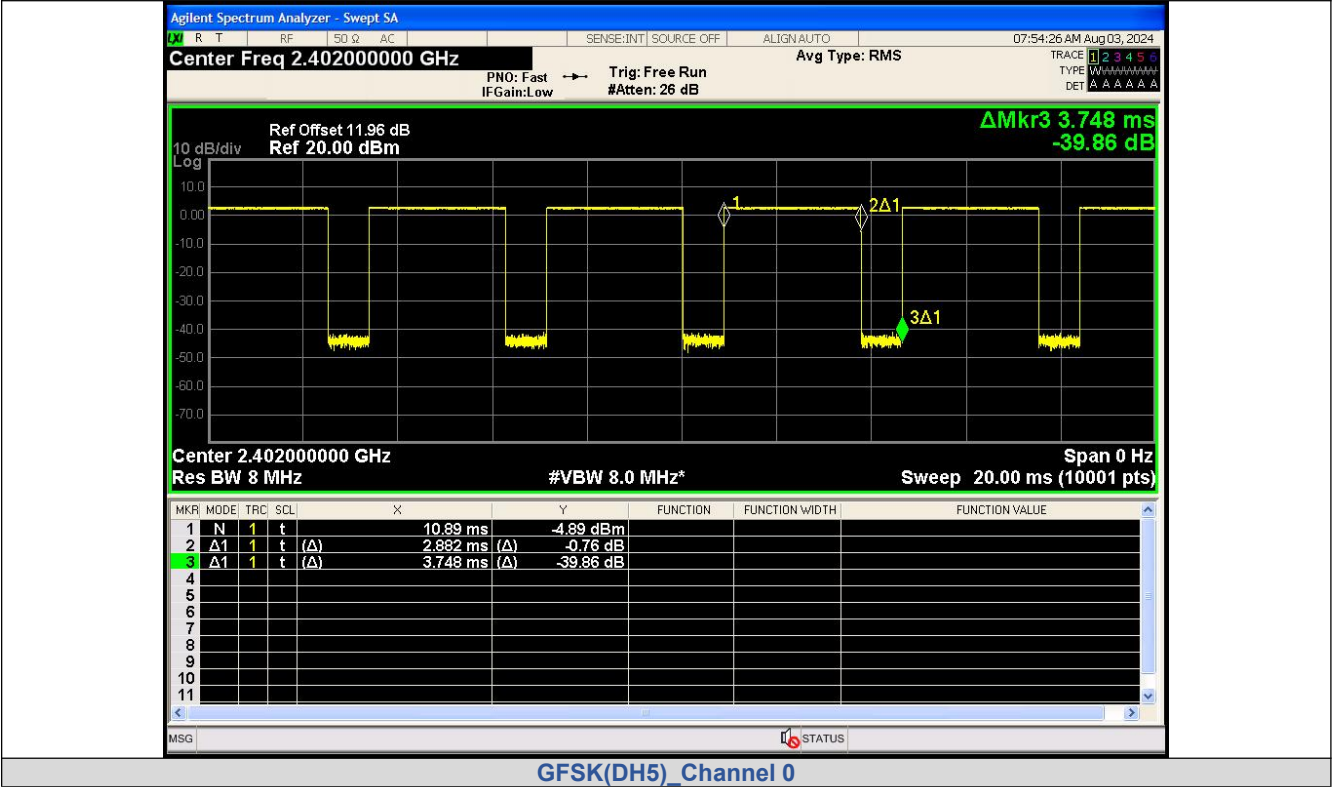
Out Of Band Emission(Right)
8DPSK_3-DH5_Channel Hopping

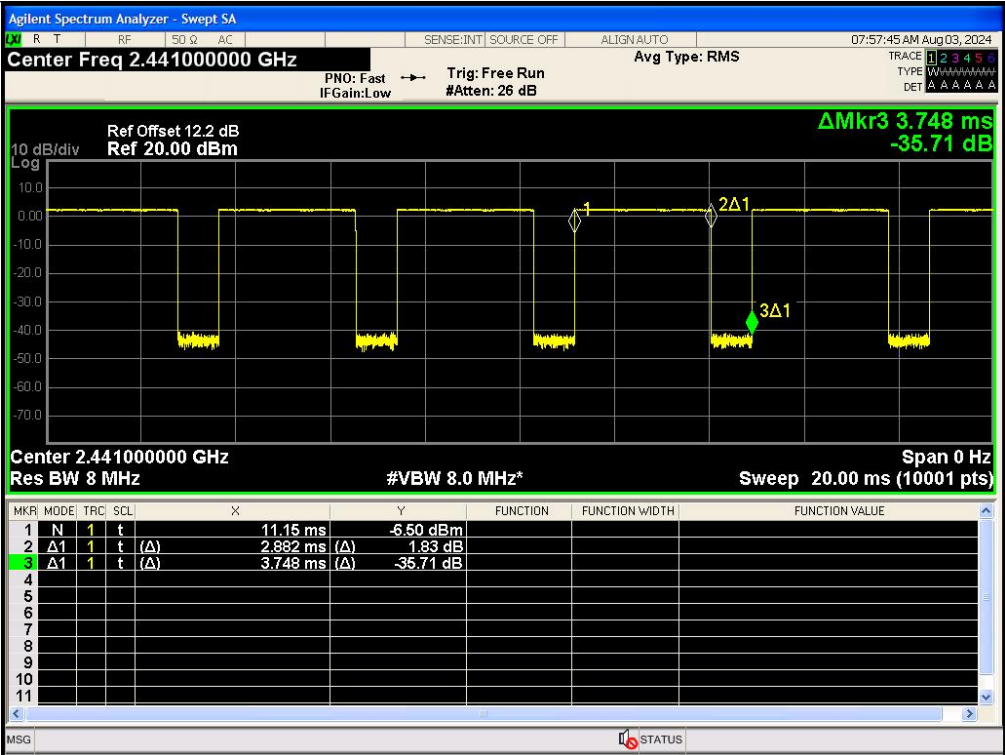
APPENDIX VI. Duty Cycle

Test Result

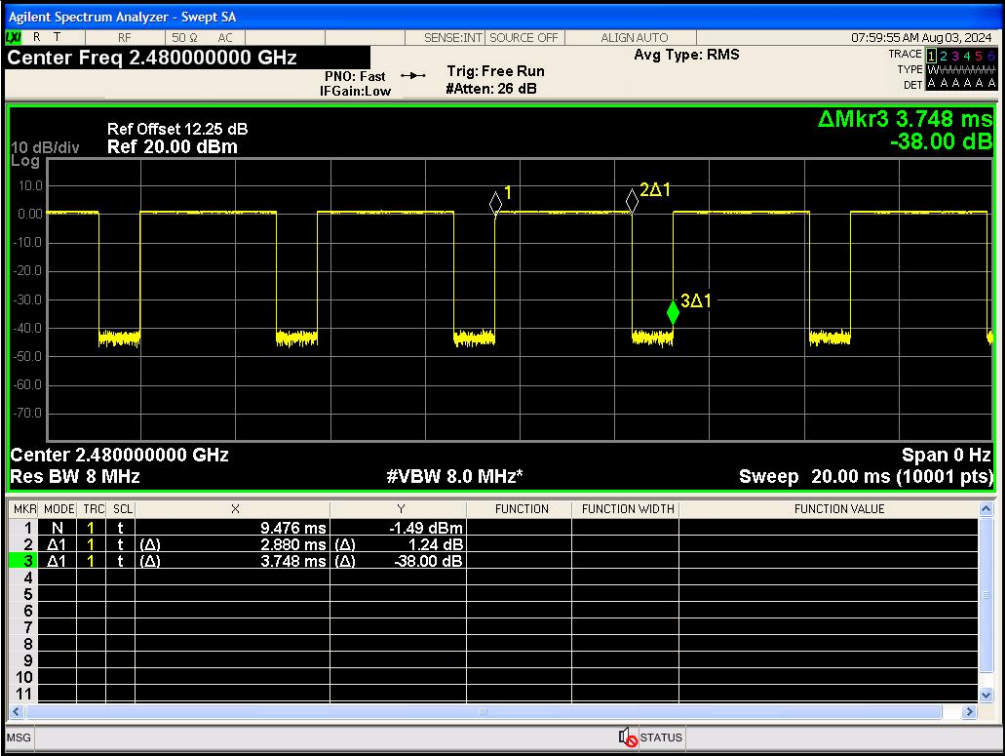
Modulation	Packets	Channel	On Time (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle (linear)	Duty Cycle Factor (dB)
GFSK	DH5	0	2.882	3.748	76.89	0.7689	1.1413
		39	2.882	3.748	76.89	0.7689	1.1413
		78	2.880	3.748	76.84	0.7684	1.1441
π /4DQPSK	2-DH5	0	2.890	3.732	77.42	0.7742	1.1115
		39	2.870	3.732	76.88	0.7688	1.1419
		78	2.870	3.732	76.88	0.7688	1.1419
8DPSK	3-DH5	0	2.870	3.712	77.30	0.7730	1.1182
		39	2.890	3.732	77.42	0.7742	1.1115
		78	2.890	3.732	77.42	0.7742	1.1115

Test Graphs





GFSK(DH5)_Channel 39



GFSK(DH5)_Channel 78