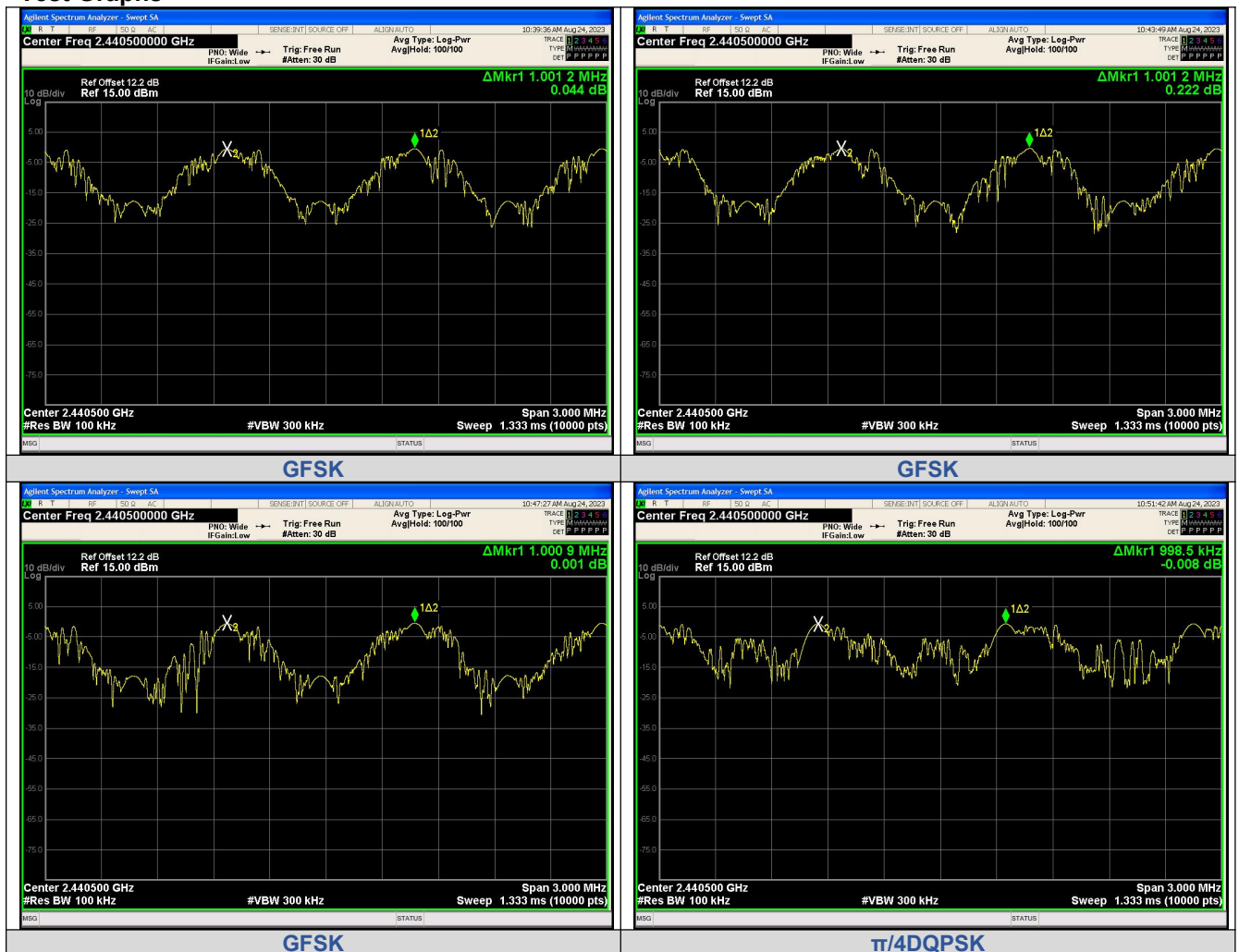


APPENDIX IV Carrier Frequencies Separation

Test Result

Modulation	Packet	Left Center frequency (MHz)	Right Center frequency (MHz)	Hopping Frequency Separation (MHz)	Limit (MHz)	Result
GFSK	DH5	2439.9712	2440.9724	1.0012	0.687	PASS
GFSK	DH5	2439.9724	2440.9736	1.0012	0.687	PASS
GFSK	DH5	2439.9712	2440.9721	1.0009	0.687	PASS
$\pi/4$ DQPSK	2-DH5	2439.8482	2440.8467	0.9985	0.761	PASS
$\pi/4$ DQPSK	2-DH5	2439.8446	2440.847	1.0024	0.763	PASS
$\pi/4$ DQPSK	2-DH5	2439.8476	2440.8449	0.9973	0.755	PASS
8DPSK	3-DH5	2439.9796	2440.9715	0.9919	0.8	PASS
8DPSK	3-DH5	2439.9595	2441.141	1.1815	0.797	PASS
8DPSK	3-DH5	2440.135	2440.9847	0.8497	0.792	PASS

Test Graphs





$\pi/4$ DQPSK



$\pi/4$ DQPSK



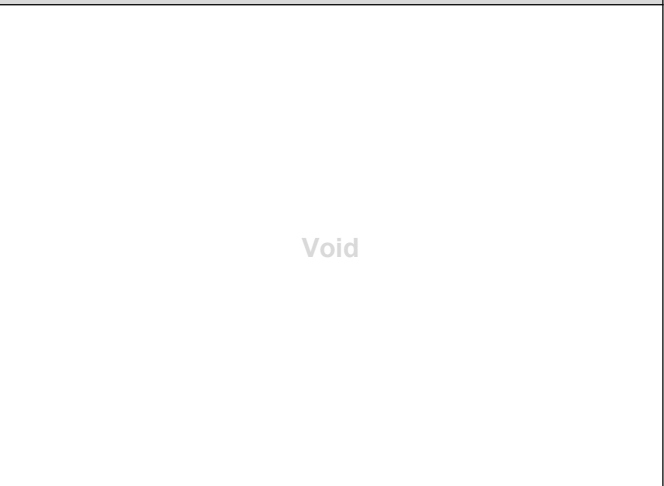
8DPSK



8DPSK



8DPSK



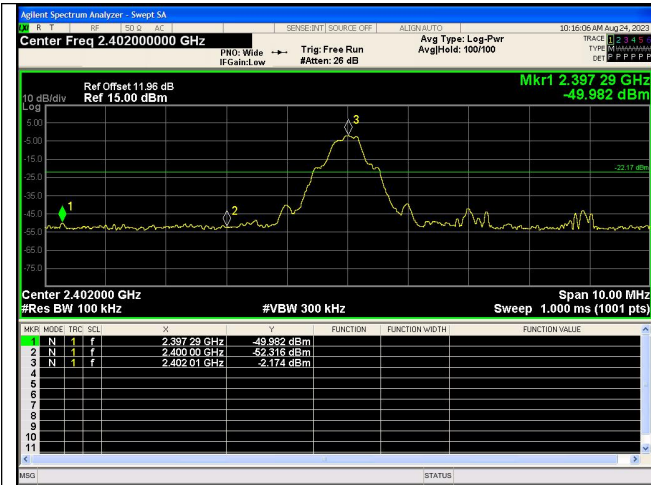
APPENDIX V Conducted Out Of Band Emission

Test Result

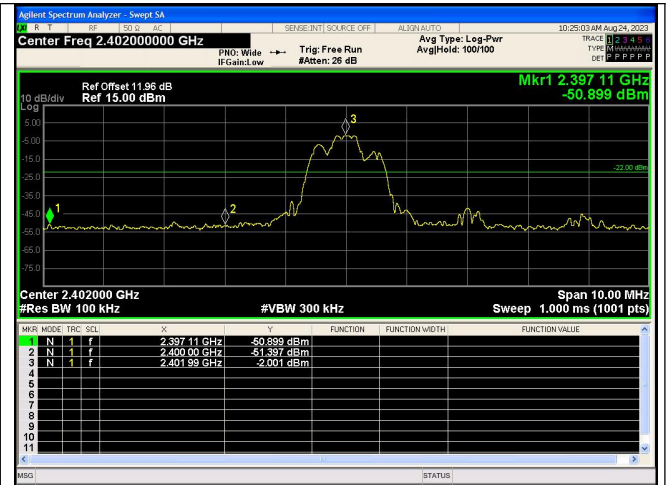
Non-Hopping

Modulation	Packet	Channel	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result
GFSK	DH5	0	2400.00	-52.316	-22.17	-30.146	PASS
			2397.29	-49.982	-22.17	-27.812	PASS
			4803.80	-62.479	-22.17	-40.309	PASS
			7206.60	-63.313	-22.17	-41.143	PASS
			9608.70	-64.628	-22.17	-42.458	PASS
		24990.6	-45.918	-22.17	-23.748	PASS	
		39	4881.79	-59.008	-20.55	-38.458	PASS
			7322.05	-62.964	-20.55	-42.414	PASS
			9764.17	-62.000	-20.55	-41.450	PASS
			24921.3	-45.831	-20.55	-25.281	PASS
		78	2483.50	-52.582	-19.73	-31.302	PASS
			4959.83	-59.155	-19.73	-39.425	PASS
			7439.41	-63.389	-19.73	-43.659	PASS
			9920.24	-62.662	-19.73	-42.932	PASS
			24990.0	-45.969	-19.73	-26.239	PASS
$\pi/4$ DQPSK	2-DH5	0	2400.00	-51.397	-22.0	-29.397	PASS
			2397.11	-50.899	-22.0	-28.899	PASS
			4803.80	-60.407	-22.0	-38.407	PASS
			7205.30	-62.934	-22.0	-40.934	PASS
			9607.50	-63.030	-22.0	-41.030	PASS
		24870.2	-45.177	-22.0	-23.177	PASS	
		39	4881.79	-58.834	-20.14	-38.694	PASS
			7322.05	-63.769	-20.14	-43.629	PASS
			9763.55	-62.761	-20.14	-42.621	PASS
			24943.2	-46.004	-20.14	-25.864	PASS
		78	2483.50	-51.712	-19.8	-32.025	PASS
			4959.83	-60.138	-19.8	-40.338	PASS
			7440.03	-63.056	-19.8	-43.257	PASS
			9919.62	-62.845	-19.8	-43.045	PASS
			24936.3	-46.332	-19.8	-26.532	PASS
8DPSK	3-DH5	0	2400.00	-51.124	-21.73	-29.394	PASS
			2398.88	-50.658	-21.73	-28.928	PASS
			4803.80	-62.242	-21.73	-40.512	PASS
			7206.60	-63.141	-21.73	-41.411	PASS
			9608.70	-63.921	-21.73	-42.191	PASS
		24877.0	-45.543	-21.73	-23.813	PASS	
		39	4881.79	-60.936	-20.22	-40.716	PASS
			7322.05	-63.827	-20.22	-43.607	PASS
			9764.17	-63.139	-20.22	-42.919	PASS
			24944.4	-45.048	-20.22	-24.828	PASS
		78	2483.50	-50.665	-20.29	-30.211	PASS
			4959.83	-59.403	-20.29	-39.113	PASS
			7439.41	-64.077	-20.29	-43.787	PASS
			9920.24	-63.322	-20.29	-43.032	PASS
			23769.0	-45.044	-20.29	-24.754	PASS

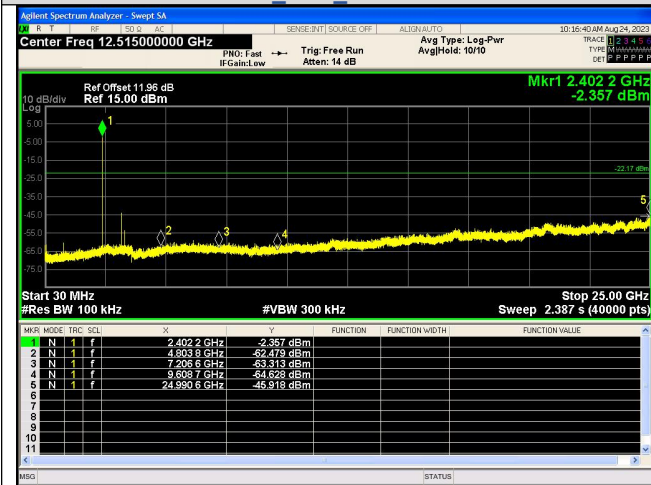
Test Graphs



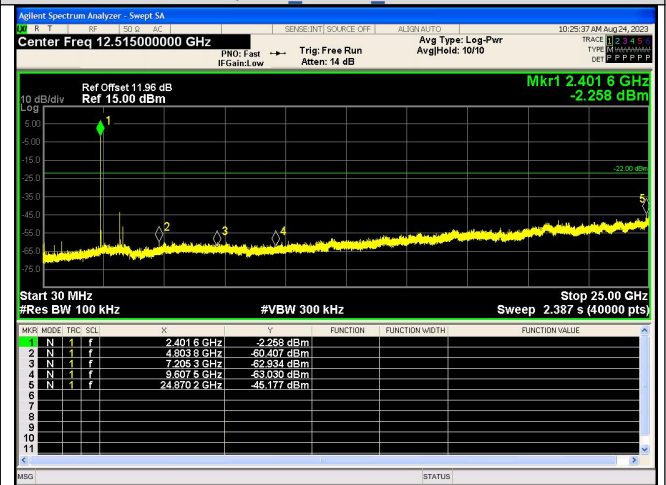
Out Of Band Emission
GFSK DH5 Channel 0



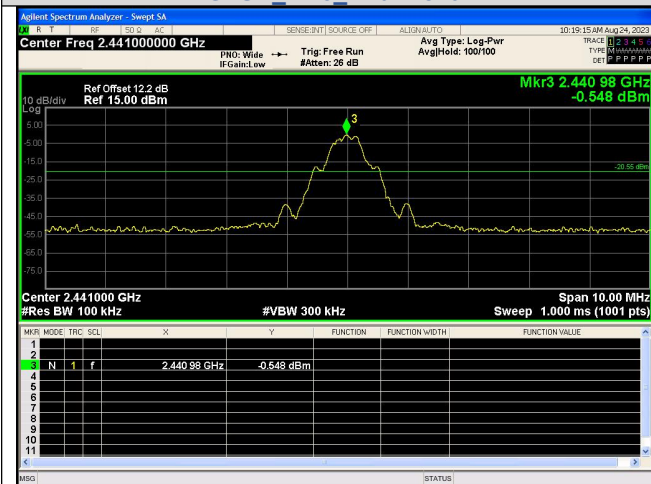
Out Of Band Emission
 $\pi/4$ DQPSK 2-DH5 Channel 0



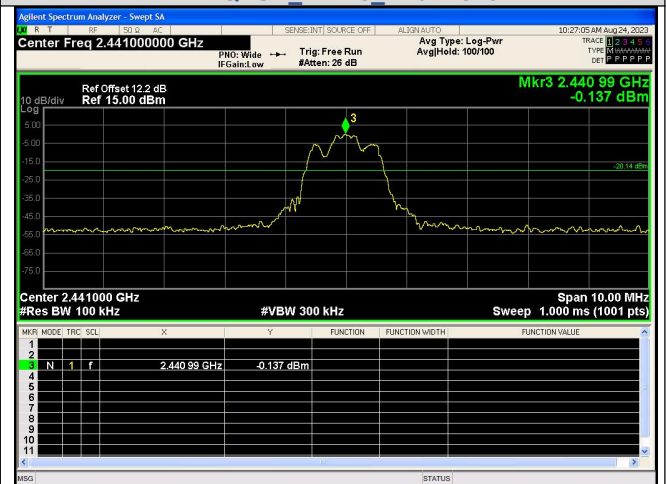
Spurious Emission
GFSK DH5 Channel 0



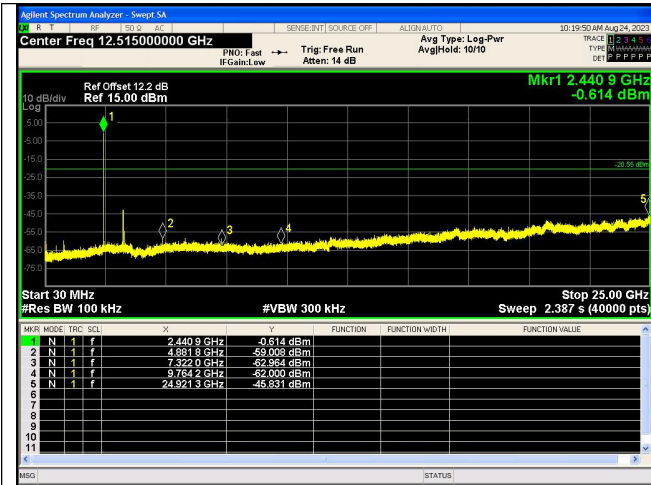
Spurious Emission
 $\pi/4$ DQPSK 2-DH5 Channel 0



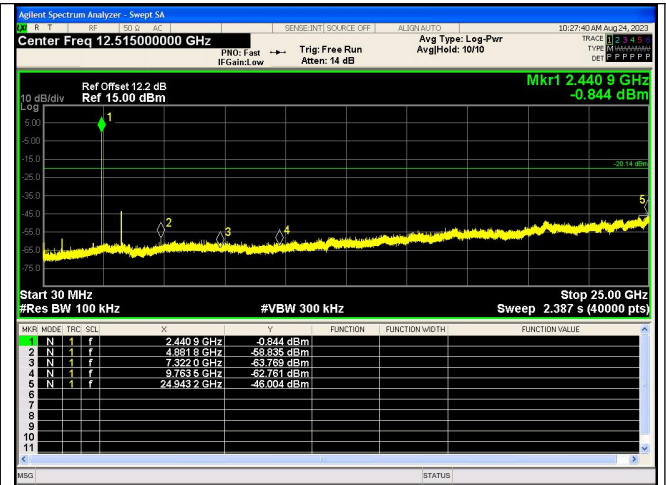
Out Of Band Emission
GFSK DH5 Channel 39



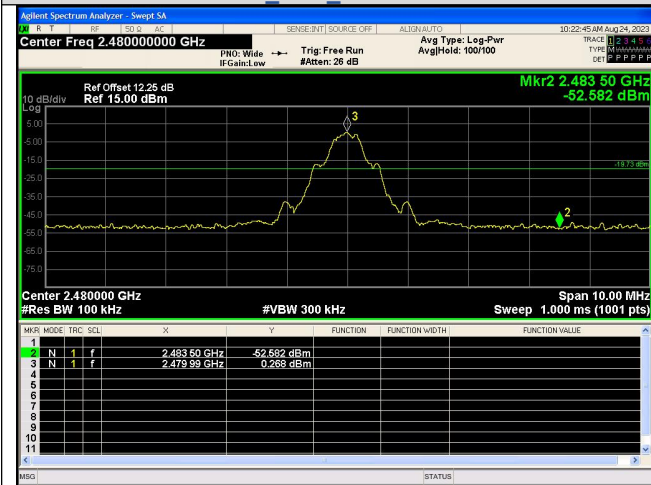
Out Of Band Emission
 $\pi/4$ DQPSK 2-DH5 Channel 39



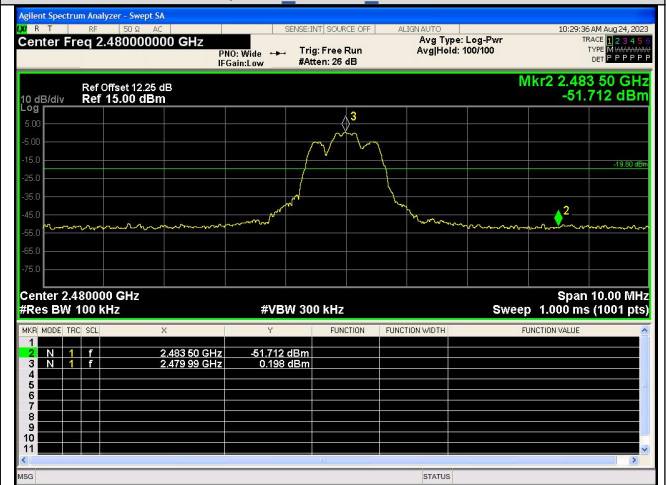
Spurious Emissions
GFSK DH5 Channel 39



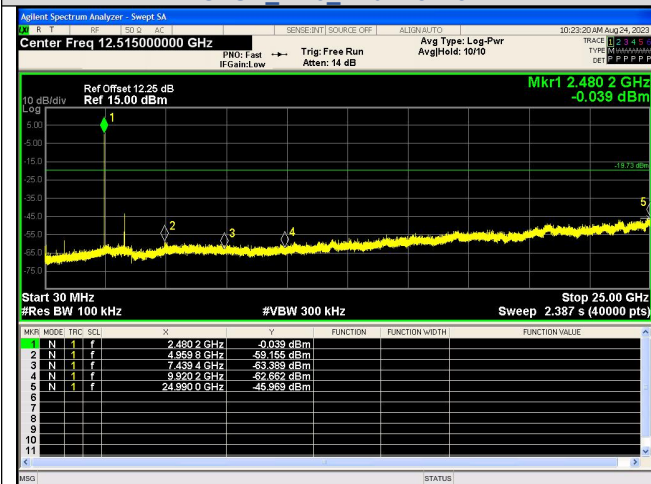
Spurious Emissions
 $\pi/4$ DQPSK 2-DH5 Channel 39



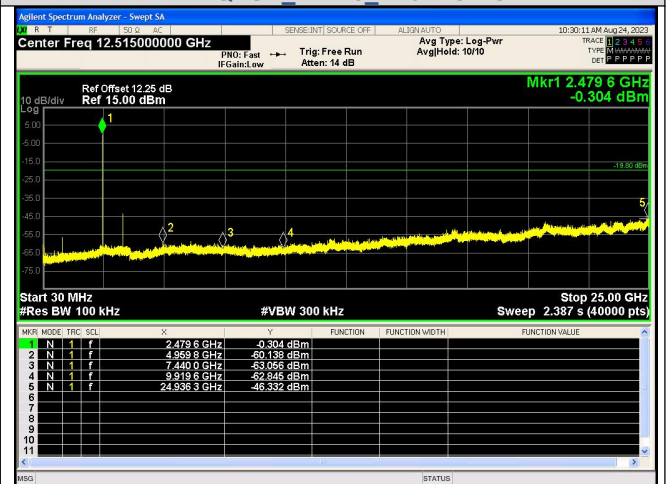
Out Of Band Emission
GFSK DH5 Channel 78



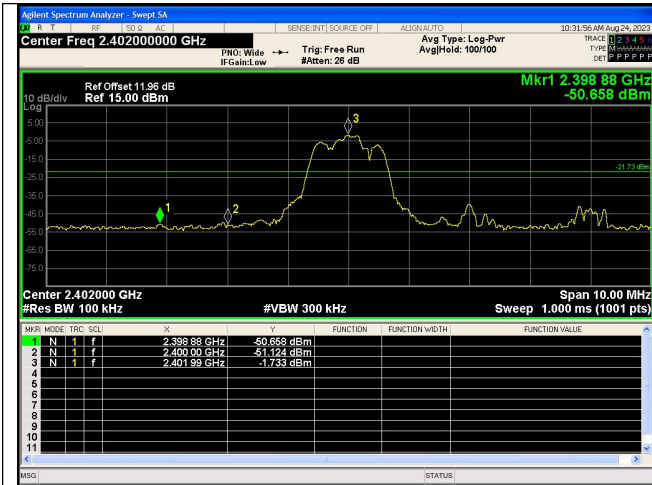
Out Of Band Emission
 $\pi/4$ DQPSK 2-DH5 Channel 78



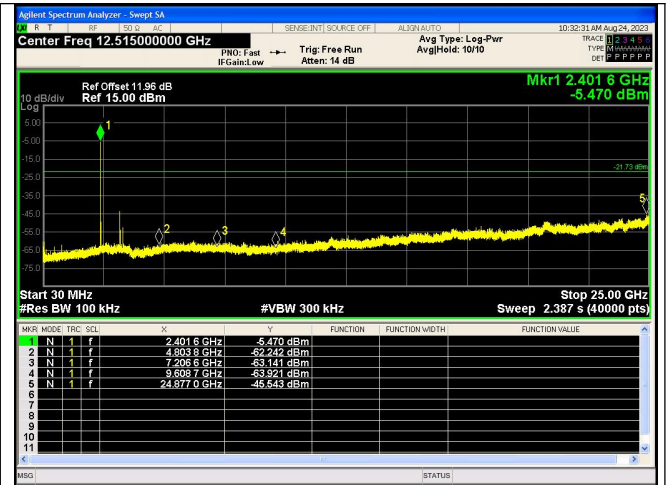
Spurious Emission
GFSK DH5 Channel 78



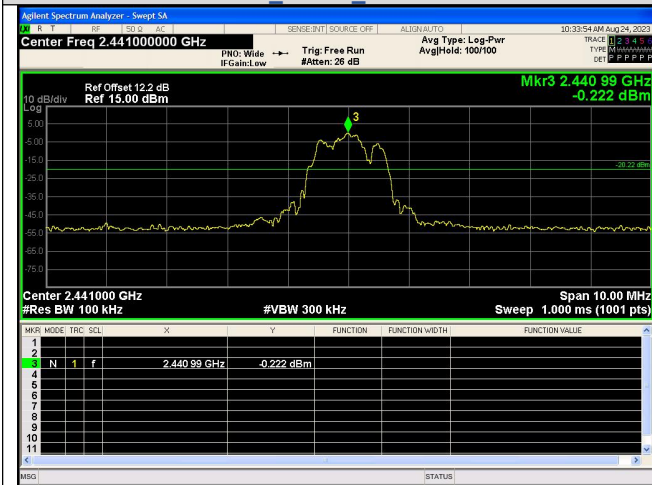
Spurious Emission
 $\pi/4$ DQPSK 2-DH5 Channel 78



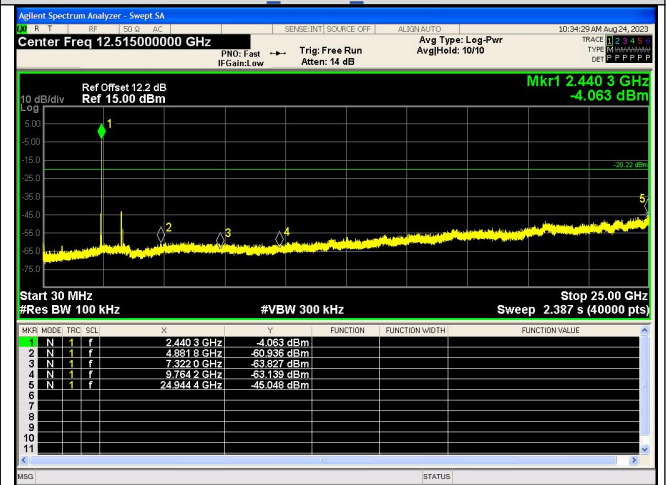
Out Of Band Emission
8DPSK 3-DH5 Channel 0



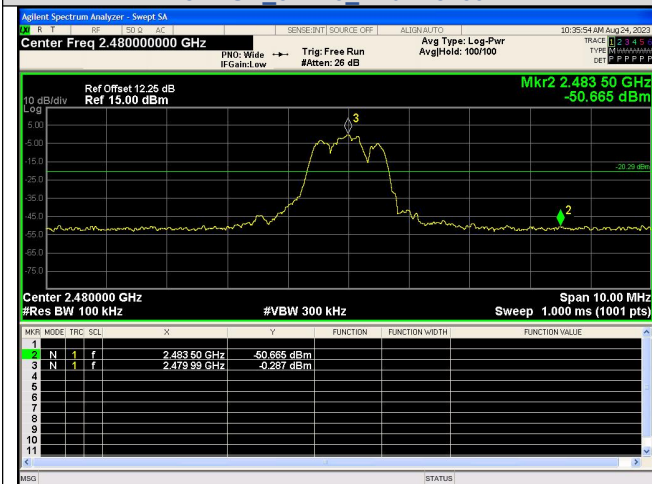
Spurious Emission
8DPSK 3-DH5 Channel 0



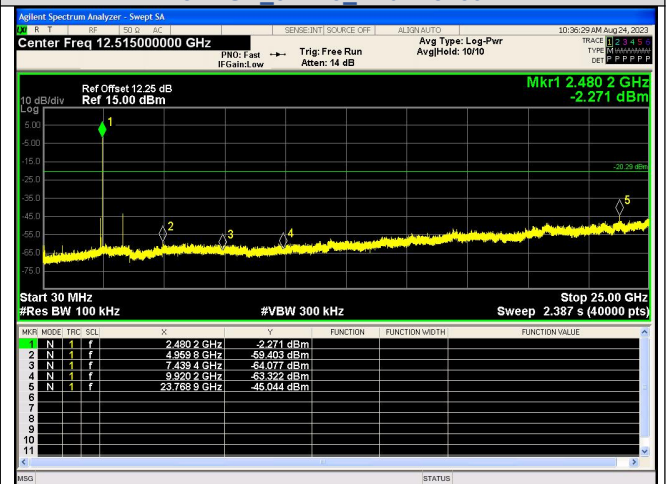
Out Of Band Emission
8DPSK 3-DH5 Channel 39



Spurious Emissions
8DPSK 3-DH5 Channel 39



Out Of Band Emission
8DPSK 3-DH5 Channel 78



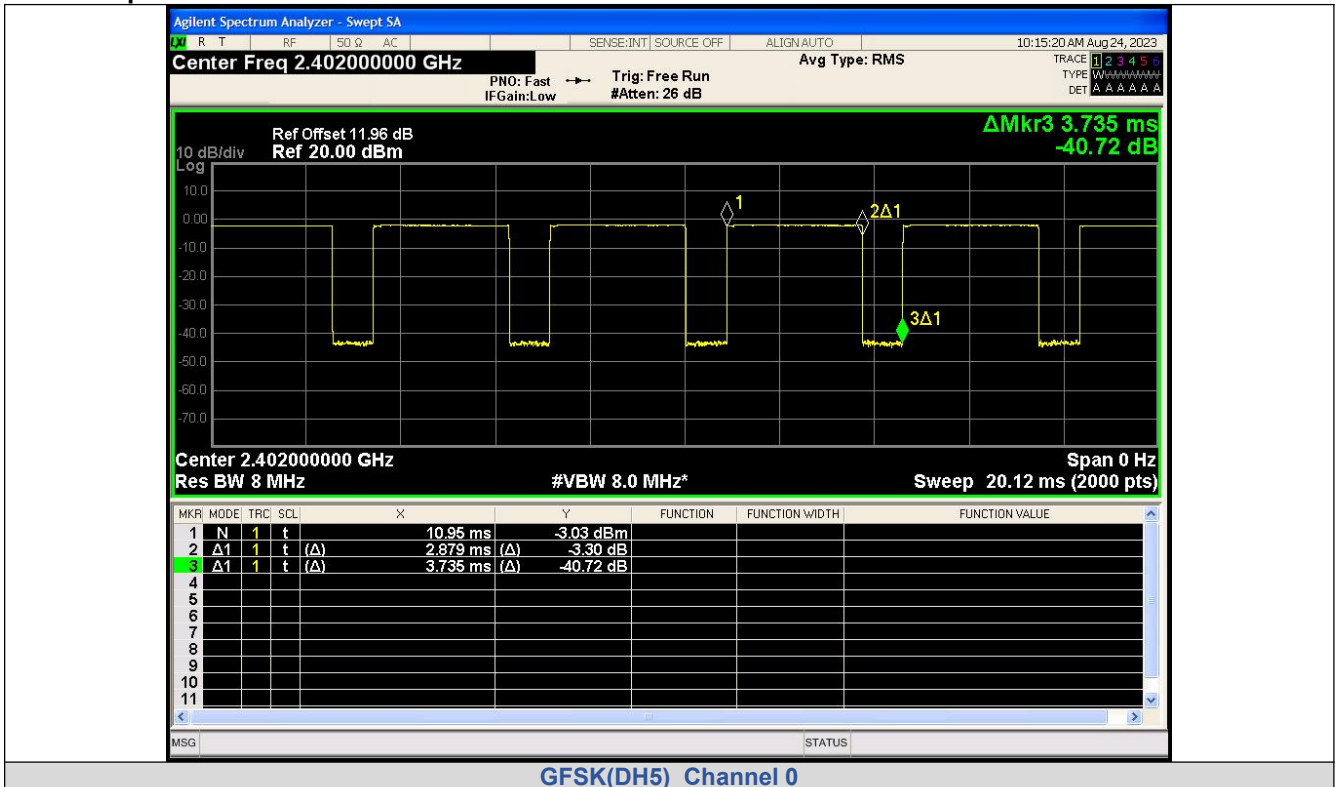
Spurious Emission
8DPSK 3-DH5 Channel 78

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	2.879	3.735	77.09	0.7709	1.13
		39	2.879	3.745	76.88	0.7688	1.1419
		78	2.879	3.735	77.09	0.7709	1.13
$\pi/4$ DQPSK	2-DH5	0	2.889	3.735	77.36	0.7736	1.1148
		39	2.879	3.735	77.09	0.7709	1.13
		78	2.889	3.745	77.15	0.7715	1.1266
8DPSK	3-DH5	0	2.889	3.735	77.36	0.7736	1.1148
		39	2.889	3.735	77.36	0.7736	1.1148
		78	2.879	3.735	77.09	0.7709	1.13

Test Graphs



GFSK(DH5)_Channel 0