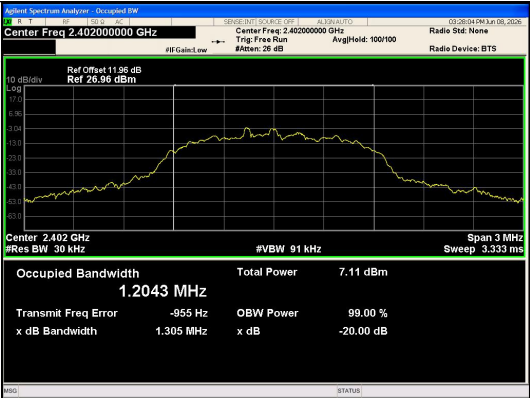
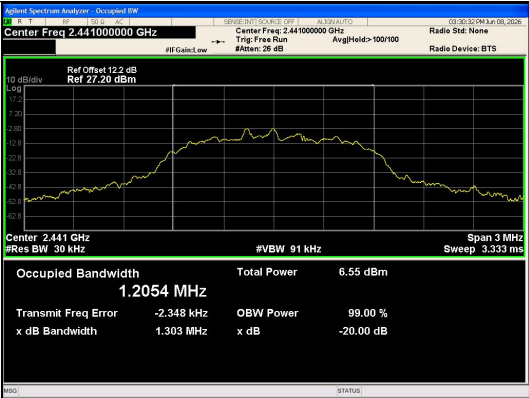




8DPSK 3-DH5 Channel 0



8DPSK 3-DH5 Channel 39



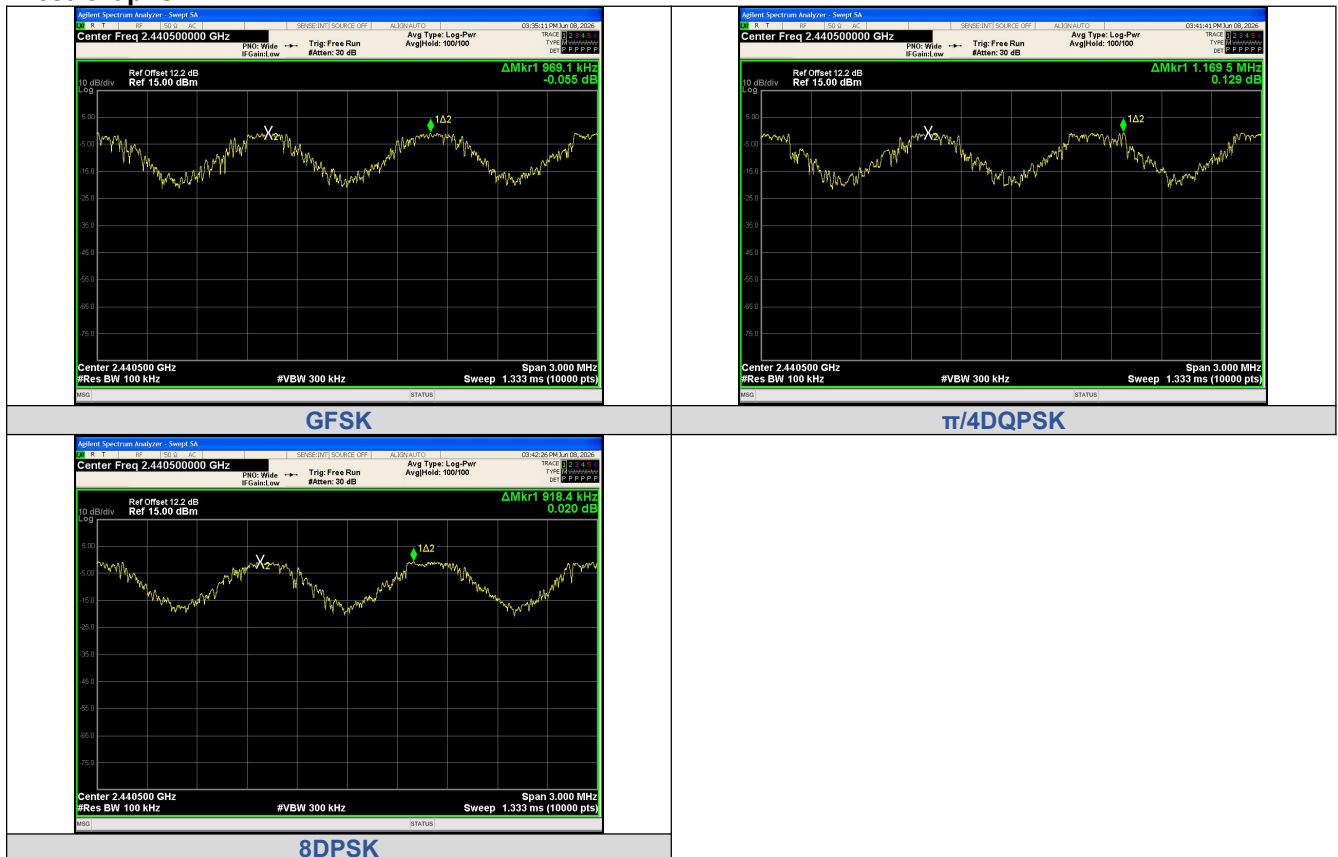
8DPSK 3-DH5 Channel 78

APPENDIX IV. Carrier Frequencies Separation

Test Result

Modulation	Packet	Left Center frequency (MHz)	Right Center frequency (MHz)	Hopping Frequency Separation (MHz)	Minimum Limit (MHz)	Result
GFSK	DH5	2440.0279	2440.997	0.9691	0.688	PASS
$\pi/4$ DQPSK	2-DH5	2440.0021	2441.1716	1.1695	0.885	PASS
8DPSK	3-DH5	2439.9784	2440.8968	0.9184	0.87	PASS

Test Graphs



APPENDIX V. Conducted Spurious & Band Edge 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	2398.23	-50.308	-19.69	-30.618	PASS
			2400.00	-50.964	-19.69	-31.274	PASS
			4803.60	-56.423	-19.69	-36.733	PASS
			7206.40	-53.065	-19.69	-33.375	PASS
			9607.90	-46.025	-19.69	-26.335	PASS
		39	4881.67	-54.419	-20.35	-34.069	PASS
			7323.11	-53.194	-20.35	-32.844	PASS
			9763.93	-45.828	-20.35	-25.478	PASS
		78	2483.50	-51.194	-19.8	-31.394	PASS
			4959.70	-51.158	-19.8	-31.358	PASS
			7439.85	-52.270	-19.8	-32.470	PASS
			9919.99	-46.322	-19.8	-26.522	PASS
			24932.0	-45.496	-19.8	-25.696	PASS
$\pi/4$ DQPSK	2-DH5	0	2398.79	-49.769	-19.72	-30.049	PASS
			2400.00	-49.844	-19.72	-30.124	PASS
			4804.30	-56.262	-19.72	-36.542	PASS
			7206.40	-53.532	-19.72	-33.812	PASS
			9607.90	-46.484	-19.72	-26.764	PASS
		39	24875.2	-46.440	-19.72	-26.720	PASS
			4882.30	-56.538	-20.3	-36.238	PASS
			7323.11	-56.157	-20.3	-35.857	PASS
			9763.93	-45.384	-20.3	-25.084	PASS
		78	24917.6	-44.783	-20.3	-24.483	PASS
			2483.50	-51.879	-19.84	-32.039	PASS
			4959.70	-52.403	-19.84	-32.563	PASS
			7440.47	-56.507	-19.84	-36.666	PASS
			9919.99	-45.547	-19.84	-25.707	PASS
			24946.9	-45.402	-19.84	-25.562	PASS
8DPSK	3-DH5	0	2400.00	-50.266	-19.62	-30.646	PASS
			4804.26	-54.850	-19.62	-35.230	PASS
			7205.75	-53.997	-19.62	-34.377	PASS
			9607.87	-46.550	-19.62	-26.930	PASS
			24978.2	-45.948	-19.62	-26.328	PASS
		39	4881.67	-55.586	-20.26	-35.326	PASS
			7323.11	-55.196	-20.26	-34.936	PASS
			9763.93	-46.248	-20.26	-25.988	PASS
		78	2483.50	-51.741	-19.75	-31.991	PASS
			4959.70	-51.457	-19.75	-31.707	PASS
			7439.85	-54.029	-19.75	-34.279	PASS
			9919.99	-44.865	-19.75	-25.115	PASS

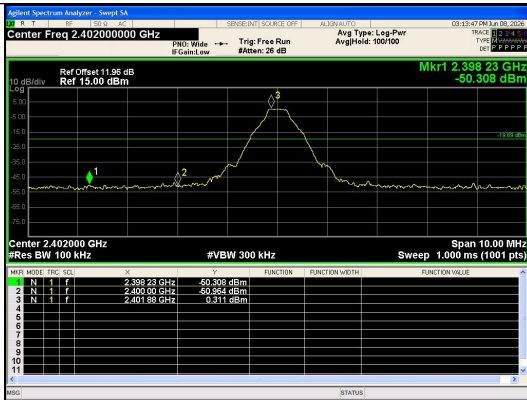
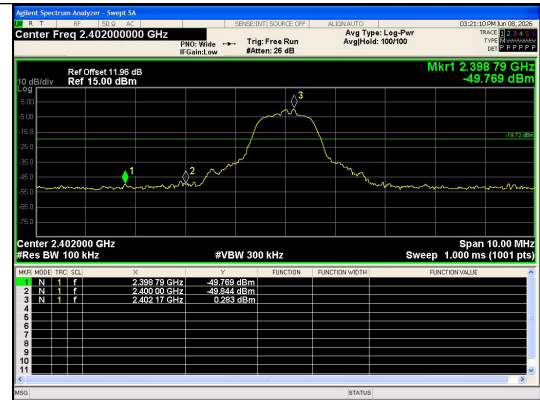
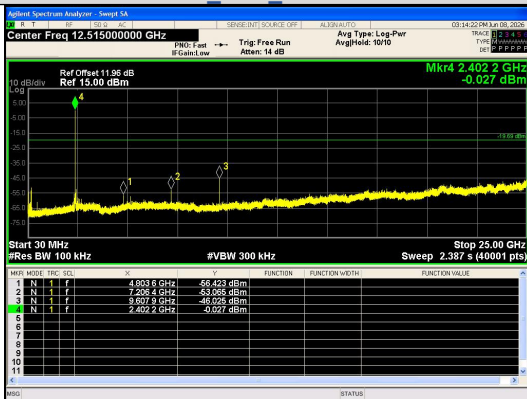
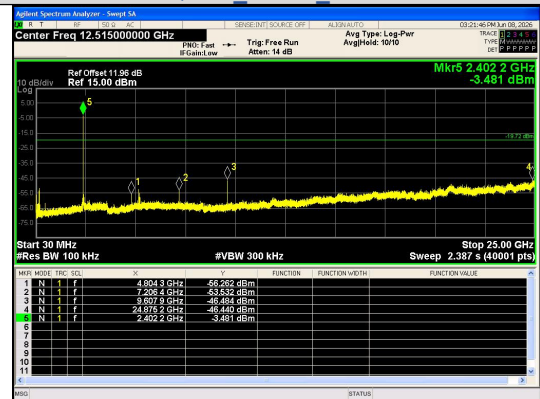
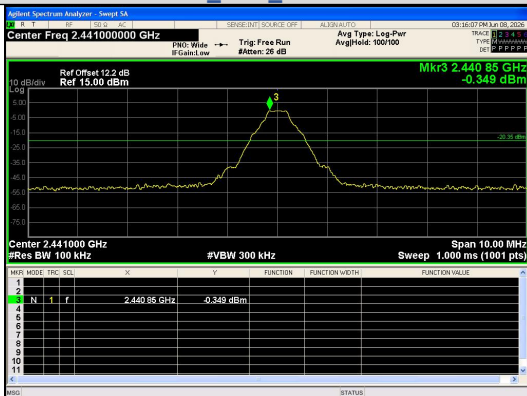
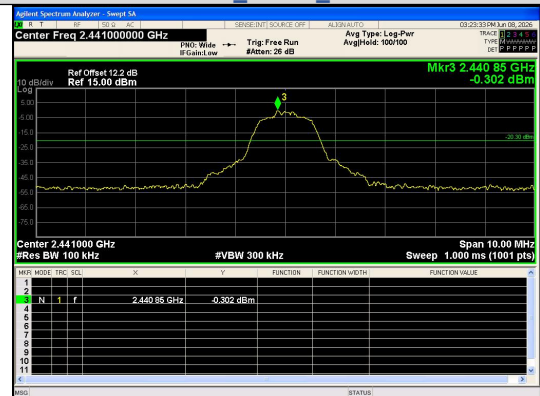
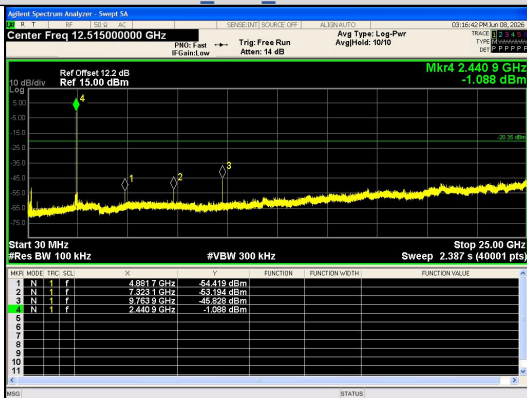
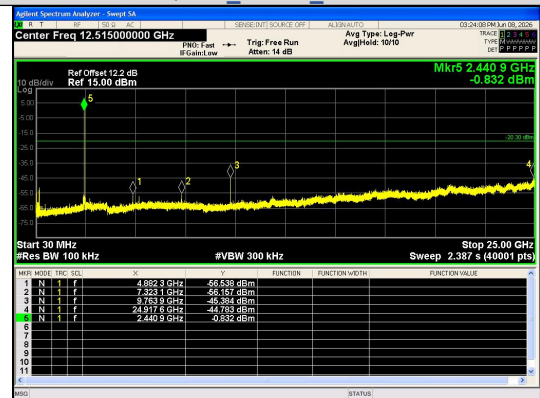
Note: input compensation coefficient (dB)= Cable Loss (dB)

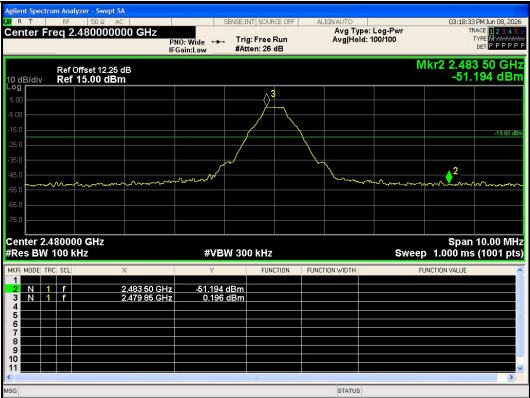
Hopping

Hopping							
Modulation	Packet	Channel	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result
GFSK	DH5	Hopping	2395.83	-48.958	-19.6	-29.358	PASS
			2400.00	-49.758	-19.6	-30.158	PASS
			2483.50	-50.094	-20.09	-30.004	PASS
$\pi/4$ DQPSK	2-DH5		2396.12	-49.368	-21.02	-28.348	PASS
			2400.00	-51.433	-21.02	-30.413	PASS
			2483.50	-50.891	-19.82	-31.071	PASS
8DPSK	3-DH5		2396.65	-49.532	-19.62	-29.912	PASS
			2400.00	-50.458	-19.62	-30.838	PASS
			2483.50	-50.216	-22.38	-27.836	PASS

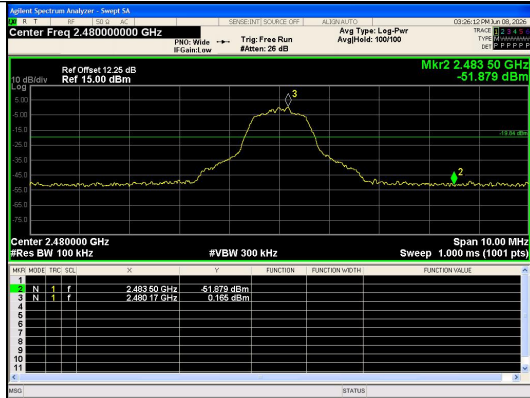
Note: input compensation coefficient (dB)= Cable Loss (dB)

Test Graphs

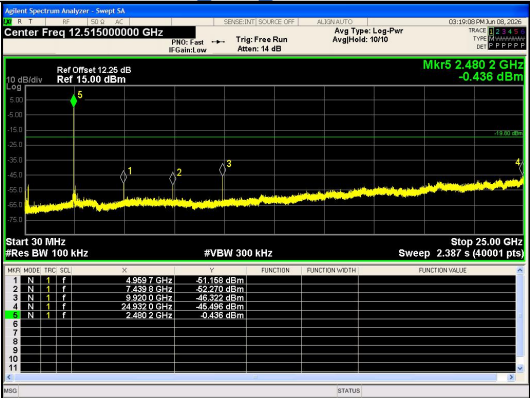
Out Of Band Emission
GFSK_DH5_Channel 0Out Of Band Emission
 $\pi/4$ DQPSK_2-DH5_Channel 030.0 MHz - 25000.0 MHz
GFSK_DH5_Channel 030.0 MHz - 25000.0 MHz
 $\pi/4$ DQPSK_2-DH5_Channel 0Out Of Band Emission
GFSK_DH5_Channel 39Out Of Band Emission
 $\pi/4$ DQPSK_2-DH5_Channel 3930.0 MHz - 25000.0 MHz
GFSK_DH5_Channel 3930.0 MHz - 25000.0 MHz
 $\pi/4$ DQPSK_2-DH5_Channel 39



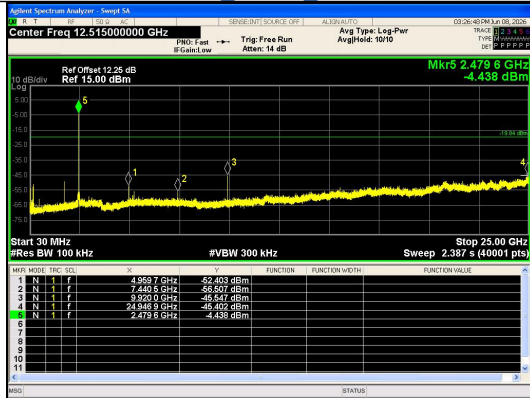
Out Of Band Emission
GFSK_DH5_Channel 78



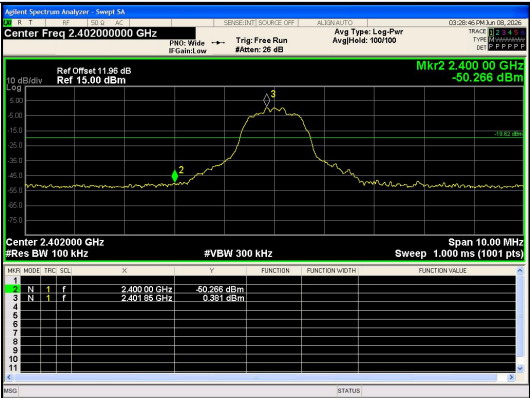
Out Of Band Emission
 $\pi/4$ DQPSK_2-DH5_Channel 78



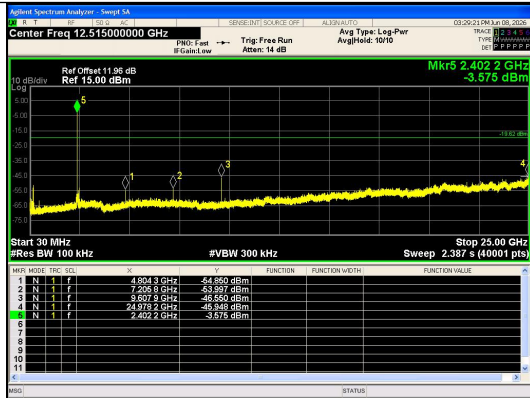
30.0 MHz - 25000.0 MHz
GFSK_DH5_Channel 78



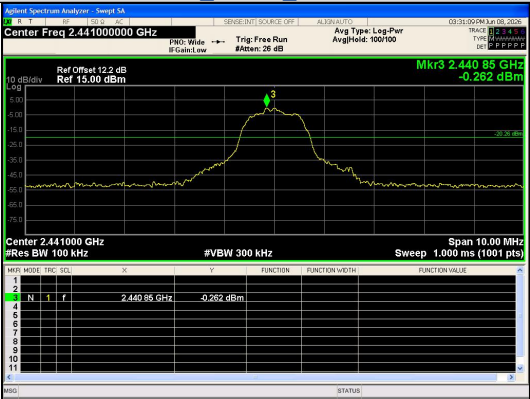
30.0 MHz - 25000.0 MHz
 $\pi/4$ DQPSK_2-DH5_Channel 78



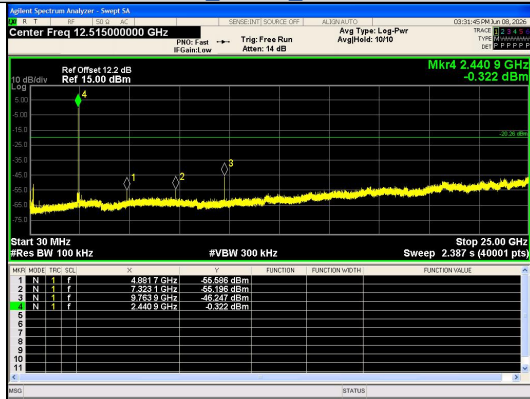
Out Of Band Emission
8DPSK_3-DH5_Channel 0



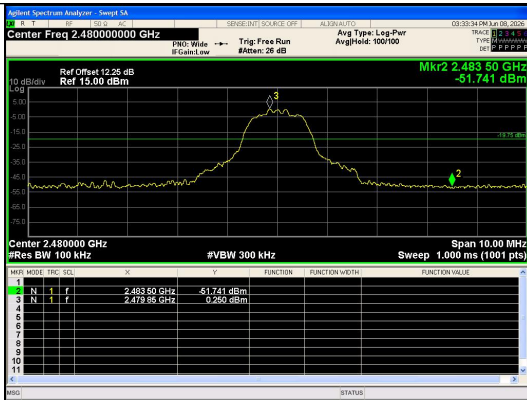
30.0 MHz - 25000.0 MHz
8DPSK_3-DH5_Channel 0



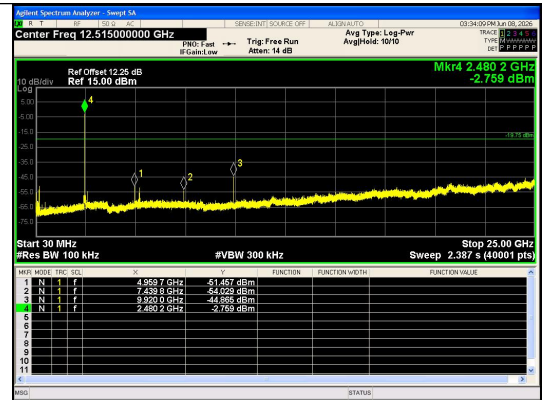
Out Of Band Emission
8DPSK_3-DH5_Channel 39



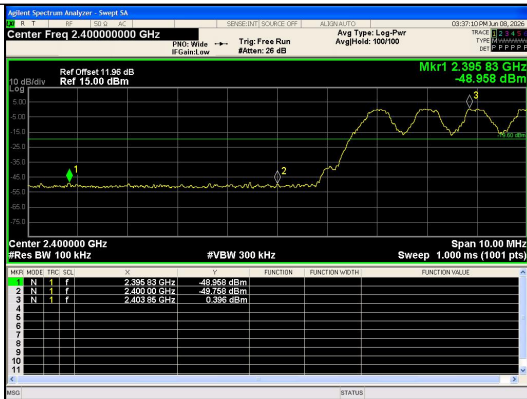
30.0 MHz - 25000.0 MHz
8DPSK_3-DH5_Channel 39



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



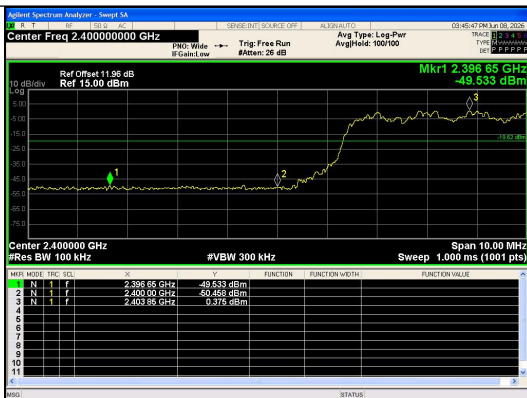
Out Of Band Emission(Left)
 $\pi/4$ DQPSK 2-DH5 Channel Hopping



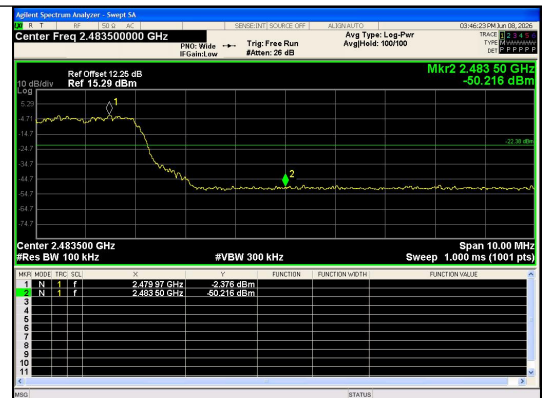
Out Of Band Emission(Right)
GFSK DH5 Channel Hopping



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



Out Of Band Emission(Left)
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)	1/T
GFSK	DH5	0	2.878	3.748	76.79	0.7679	1.147	0.3475
		39	2.880	3.748	76.84	0.7684	1.1441	0.3472
		78	2.880	3.748	76.84	0.7684	1.1441	0.3472
$\pi/4$ DQPSK	2-DH5	0	2.886	3.748	77.00	0.7700	1.1351	0.3465
		39	2.886	3.748	77.00	0.7700	1.1351	0.3465
		78	2.886	3.748	77.00	0.7700	1.1351	0.3465
8DPSK	3-DH5	0	2.886	3.748	77.00	0.7700	1.1351	0.3465
		39	2.888	3.748	77.05	0.7705	1.1323	0.3463
		78	2.886	3.748	77.00	0.7700	1.1351	0.3465

Test Graphs

