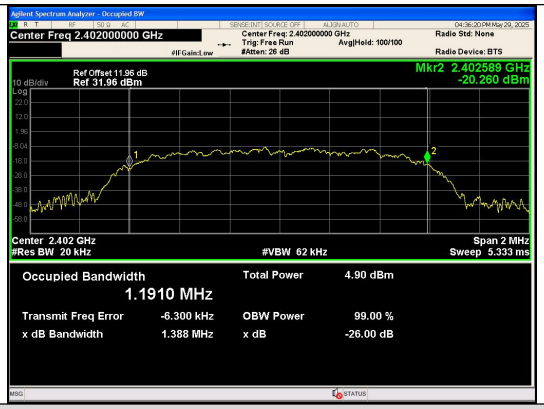
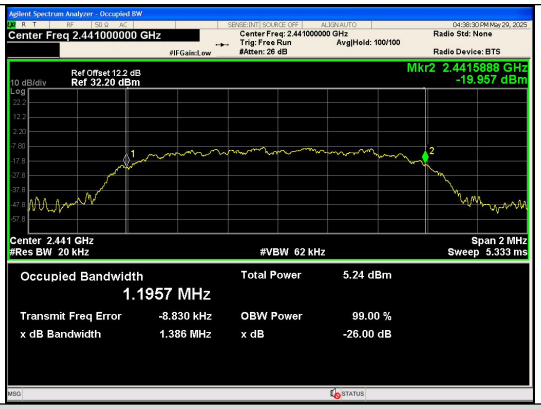
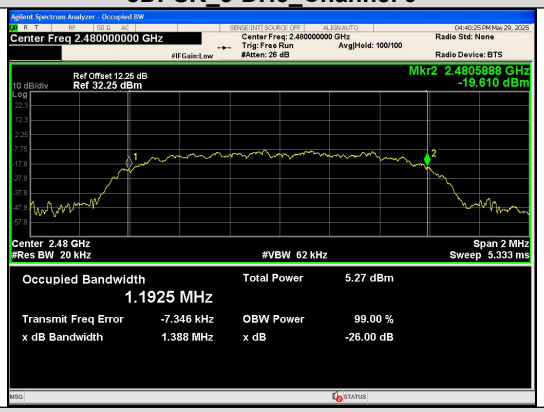


8DPSK_3-DH5_Channel 0



8DPSK_3-DH5_Channel 39



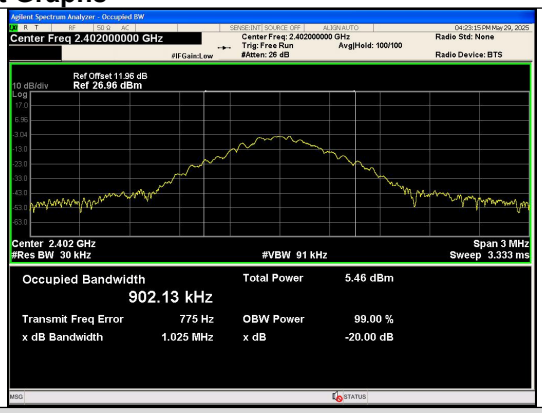
8DPSK_3-DH5_Channel 78

APPENDIX IV. 20dB Bandwidth

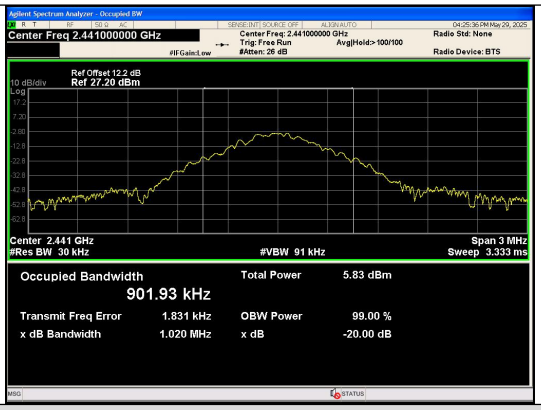
Test Result

Modulation	Channel	Center Frequency (MHz)	20 dB Bandwidth (MHz)
GFSK	0	2402 MHz	1.025
	39	2441 MHz	1.020
	78	2480 MHz	0.9712
π/4DQPSK	0	2402 MHz	1.357
	39	2441 MHz	1.357
	78	2480 MHz	1.360
8DPSK	0	2402 MHz	1.344
	39	2441 MHz	1.343
	78	2480 MHz	1.344

Test Graphs

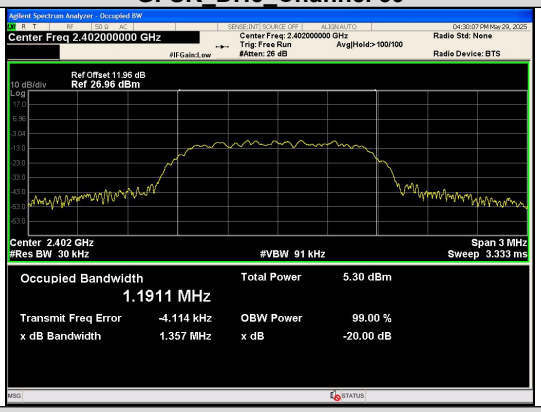


GFSK_DH5_Channel 0

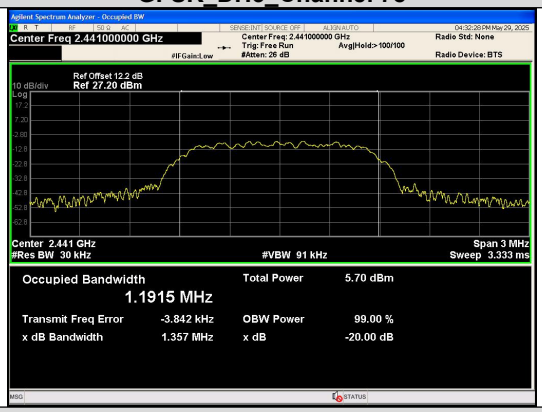


GFSK_DH5_Channel 39

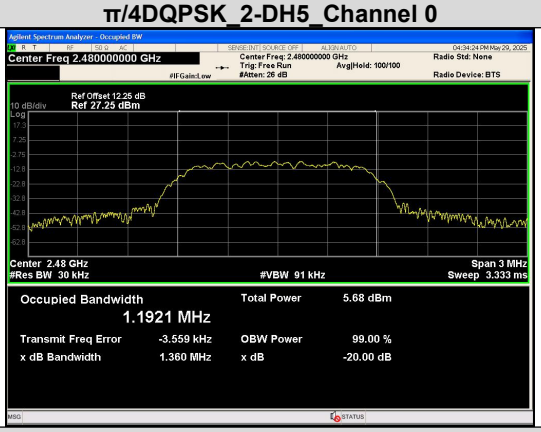
GFSK_DH5_Channel 78



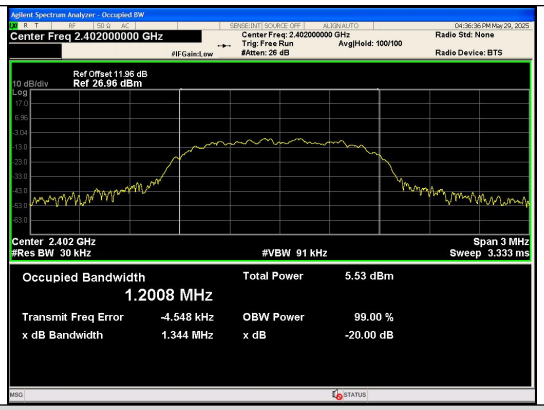
π/4DQPSK_2-DH5_Channel 0



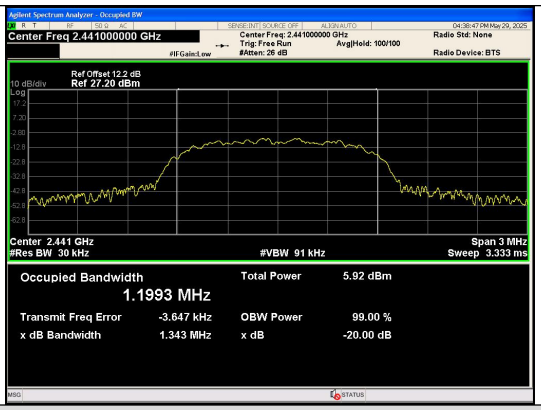
π/4DQPSK_2-DH5_Channel 39



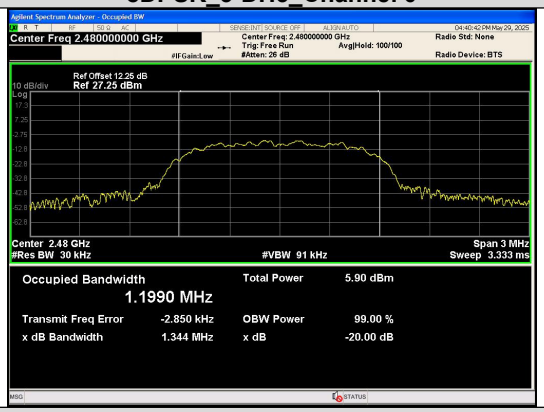
π/4DQPSK_2-DH5_Channel 78



8DPSK_3-DH5_Channel 0



8DPSK_3-DH5_Channel 39



8DPSK_3-DH5_Channel 78

APPENDIX V. Carrier Frequencies Separation

Test Result

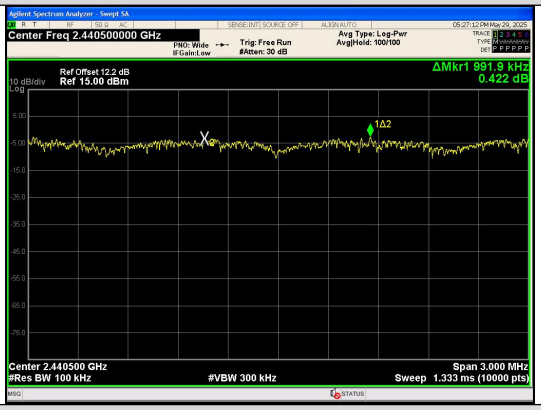
Modulation	Packet	Left Center frequency (MHz)	Right Center frequency (MHz)	Hopping Frequency Separation (MHz)	Limit (MHz)	Result
GFSK	DH5	2439.9832	2440.9733	0.9901	0.683	PASS
GFSK	DH5	2440.0027	2440.9991	0.9964	0.683	PASS
GFSK	DH5	2440.0462	2441.0081	0.9619	0.683	PASS
π/4DQPSK	2-DH5	2440.0585	2441.0504	0.9919	0.907	PASS
π/4DQPSK	2-DH5	2440.0207	2441.0261	1.0054	0.907	PASS
π/4DQPSK	2-DH5	2440.0258	2441.0102	0.9844	0.907	PASS
8DPSK	3-DH5	2439.9583	2441.0936	1.1353	0.896	PASS
8DPSK	3-DH5	2440.0777	2441.1038	1.0261	0.896	PASS
8DPSK	3-DH5	2439.8347	2440.9361	1.1014	0.896	PASS

Test Graphs

GFSK

GFSK

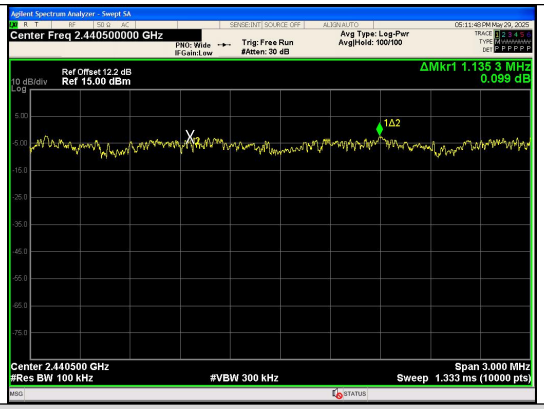
GFSK



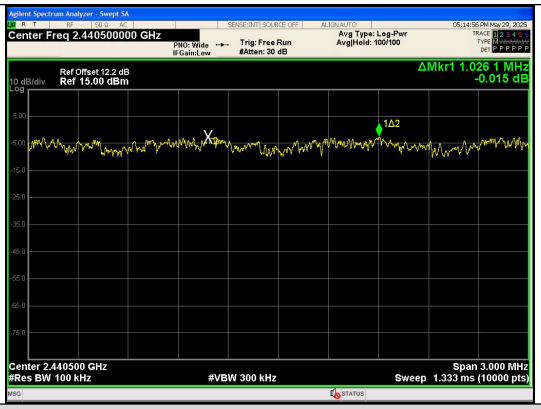
π/4DQPSK

π/4DQPSK

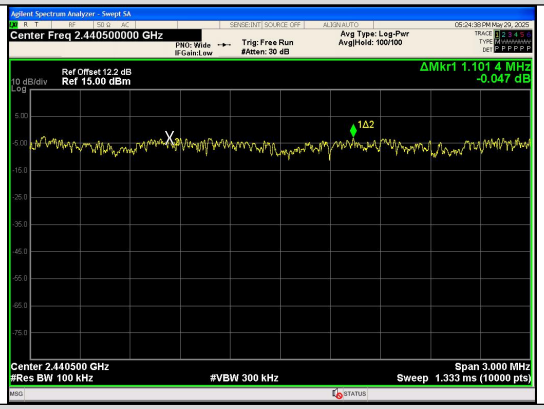
π/4DQPSK



8DPSK



8DPSK



8DPSK

APPENDIX VI. 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	-44.936	-21.43	-23.506	PASS
			4003.35	-40.976	-21.43	-19.546	PASS
			4804.26	-45.647	-21.43	-24.217	PASS
			7205.75	-57.523	-21.43	-36.093	PASS
			9607.87	-50.775	-21.43	-29.345	PASS
		39	4068.27	-42.247	-21.08	-21.167	PASS
			4882.30	-43.253	-21.08	-22.173	PASS
			7323.11	-55.379	-21.08	-34.299	PASS
			9763.93	-49.295	-21.08	-28.215	PASS
		78	2483.50	-50.288	-21.08	-29.208	PASS
			4959.70	-41.921	-21.08	-20.841	PASS
			7439.85	-57.696	-21.08	-36.616	PASS
			9919.99	-51.180	-21.08	-30.100	PASS
π/4DQPSK	2-DH5	0	2400.00	-43.806	-22.7	-21.106	PASS
			4002.73	-43.339	-22.7	-20.639	PASS
			4804.26	-45.199	-22.7	-22.499	PASS
			7206.38	-57.714	-22.7	-35.014	PASS
			9607.87	-50.934	-22.7	-28.234	PASS
		39	4882.30	-42.255	-22.22	-20.035	PASS
			7323.11	-56.528	-22.22	-34.308	PASS
			9763.93	-49.520	-22.22	-27.300	PASS
		78	2483.50	-49.901	-22.34	-27.561	PASS
			4959.70	-42.069	-22.34	-19.729	PASS
			7439.85	-58.278	-22.34	-35.938	PASS
			9919.99	-51.000	-22.34	-28.660	PASS
8DPSK	3-DH5	0	2400.00	-43.217	-22.55	-20.667	PASS
			4003.35	-43.520	-22.55	-20.970	PASS
			4804.26	-45.519	-22.55	-22.969	PASS
			7205.75	-56.956	-22.55	-34.406	PASS
			9607.87	-50.613	-22.55	-28.063	PASS
		39	4068.27	-43.159	-22.39	-20.769	PASS
			4881.67	-44.143	-22.39	-21.753	PASS
			7323.11	-59.323	-22.39	-36.933	PASS
			9763.93	-50.504	-22.39	-28.114	PASS
		78	2483.50	-49.729	-22.21	-27.519	PASS
			4959.70	-44.027	-22.21	-21.817	PASS
			7440.47	-59.708	-22.21	-37.498	PASS
			9919.99	-50.575	-22.21	-28.365	PASS

Hopping

Modulation	Packet	Channel	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result
GFSK	DH5	Hopping	2400.00	-49.531	-21.42	-28.111	PASS
			2483.50	-51.379	-21.34	-30.039	PASS
			2398.36	-49.551	-21.48	-28.071	PASS
			2400.00	-49.888	-21.48	-28.408	PASS
			2483.50	-50.485	-21.08	-29.405	PASS
			2398.95	-49.003	-21.46	-27.543	PASS
			2400.00	-50.975	-21.46	-29.515	PASS
			2483.50	-50.792	-21.11	-29.682	PASS
π/4DQPSK	2-DH5		2395.98	-49.863	-22.65	-27.213	PASS
			2400.00	-51.448	-22.65	-28.798	PASS
			2483.50	-51.121	-22.41	-28.711	PASS
			2400.00	-51.774	-22.82	-28.954	PASS
			2483.50	-51.025	-22.57	-28.455	PASS
			2398.55	-50.538	-22.85	-27.688	PASS
			2400.00	-51.635	-22.85	-28.785	PASS
			2483.50	-51.333	-22.79	-28.543	PASS