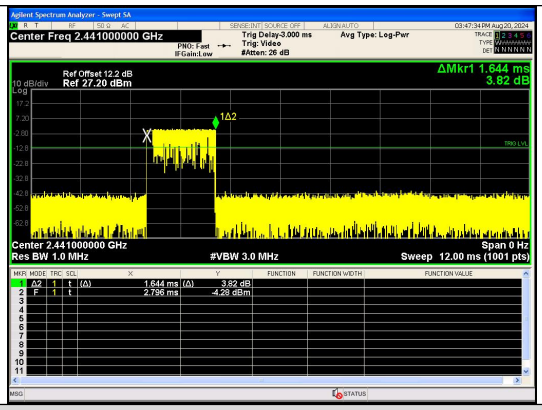
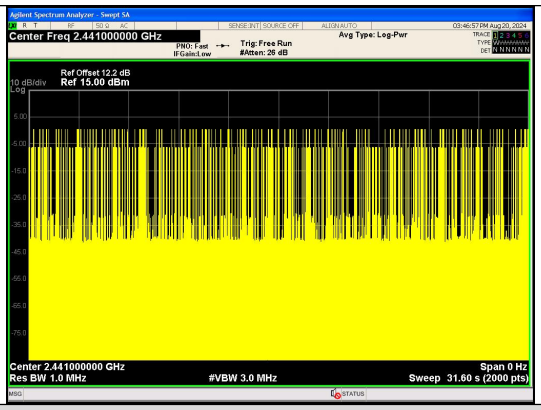
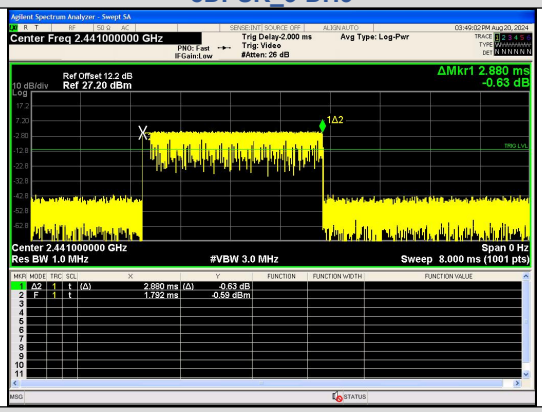


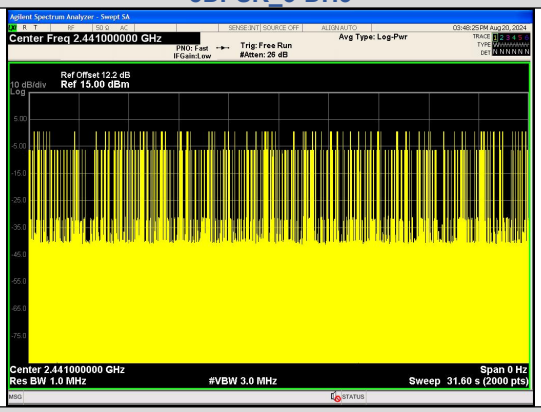
Pulse Width
8DPSK_3-DH3



Number of Pulses in 31.6 seconds
8DPSK_3-DH3



Pulse Width
8DPSK_3-DH5



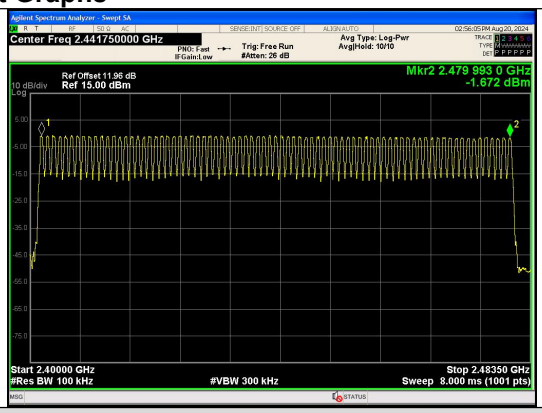
Number of Pulses in 31.6 seconds
8DPSK_3-DH5

APPENDIX III.Number Of Hopping Channel

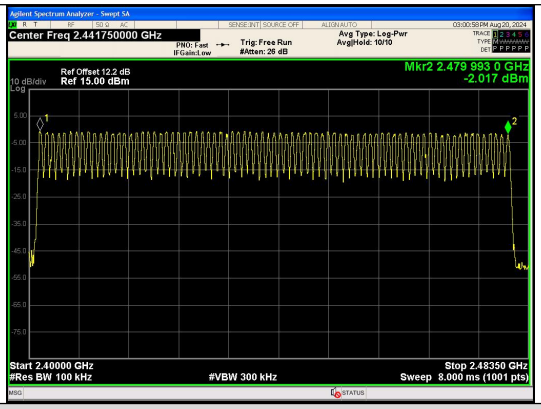
Test Result

Modulation	Packet	Number of Hopping Channel	Limit	Result
GFSK	DH5	79	15	PASS
GFSK	DH5	79	15	PASS
GFSK	DH5	79	15	PASS
π/4DQPSK	2-DH5	79	15	PASS
π/4DQPSK	2-DH5	79	15	PASS
π/4DQPSK	2-DH5	79	15	PASS
8DPSK	3-DH5	79	15	PASS
8DPSK	3-DH5	79	15	PASS
8DPSK	3-DH5	79	15	PASS

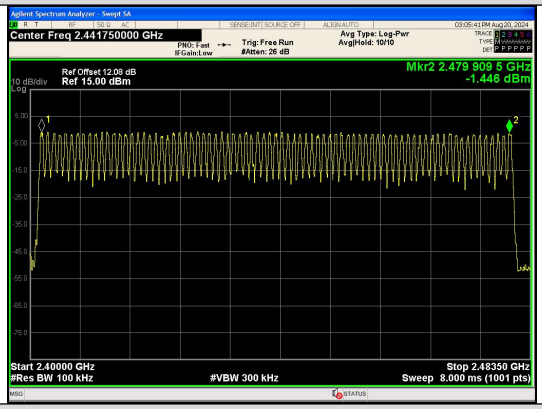
Test Graphs



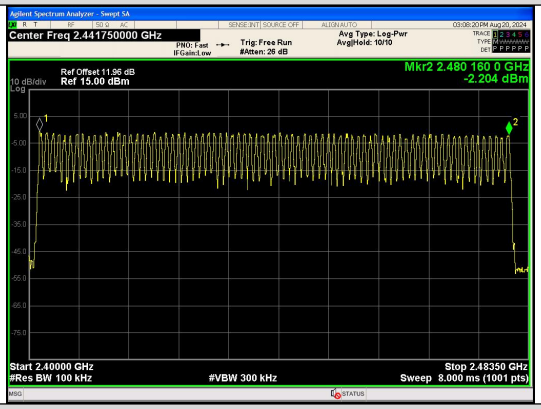
Hopping Plot
GFSK



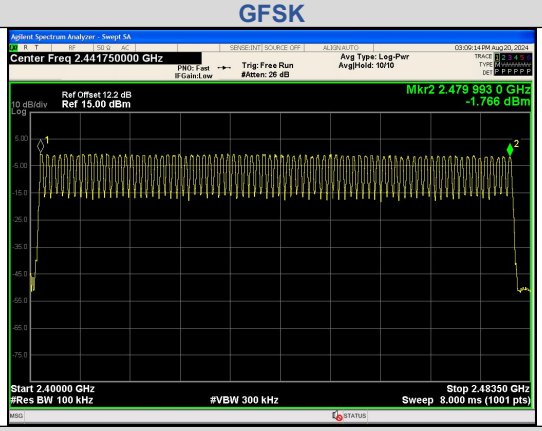
Hopping Plot
GFSK



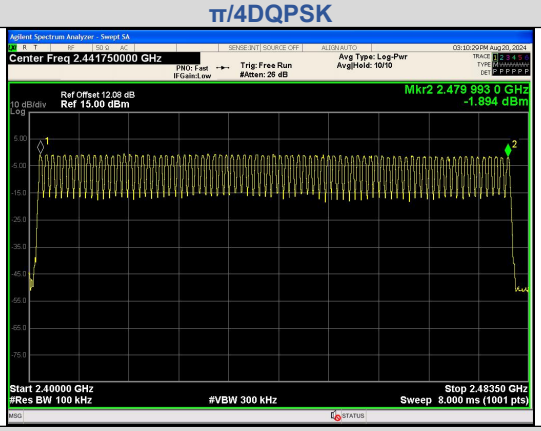
Hopping Plot
GFSK



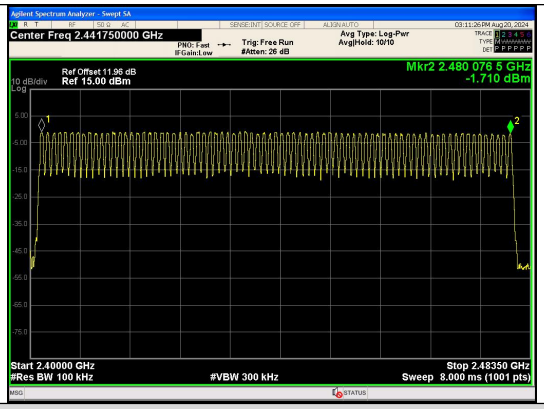
Hopping Plot
π/4DQPSK



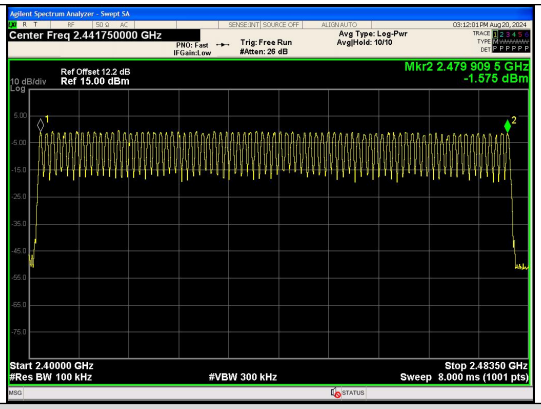
Hopping Plot
π/4DQPSK



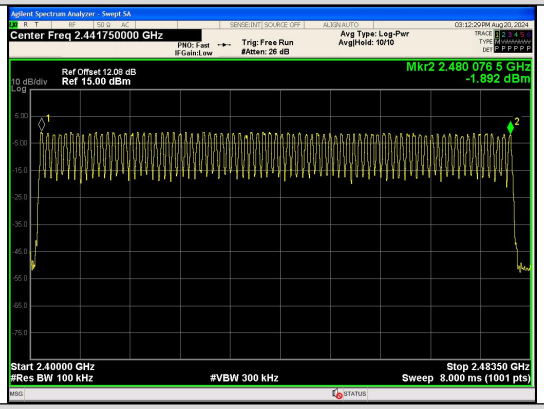
Hopping Plot
π/4DQPSK



Hopping Plot
8DPSK



Hopping Plot
8DPSK



Hopping Plot
8DPSK

APPENDIX IV.Conducted Peak Output Power

Test Result

Modulation	Packet Type	Channel	Peak Output Power (dBm)	Peak Output Power (mW)	Max. Avg. Power (dBm)	Limit (dBm)	Result
GFSK	DH5	0	-0.567	0.878	None	≤30	PASS
		39	-0.453	0.901	None		PASS
		78	-1.008	0.793	None		PASS
π/4DQPSK	2-DH5	0	0.291	1.069	None	≤20.97	PASS
		39	0.374	1.090	None		PASS
		78	-0.185	0.958	None		PASS
8DPSK	3-DH5	0	0.699	1.175	None		PASS
		39	0.809	1.205	None		PASS
		78	0.276	1.066	None		PASS

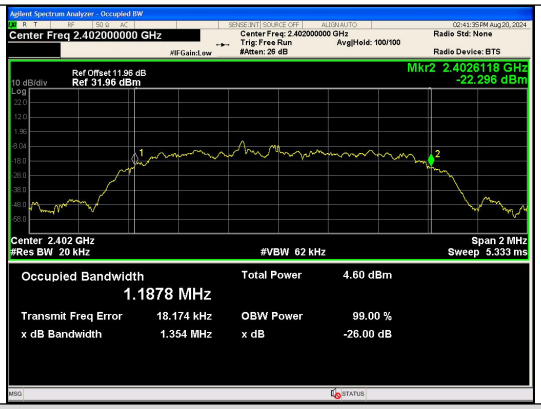
APPENDIX V.99% Bandwidth

Test Result

Modulation	Channel	Center Frequency (MHz)	99% BW (MHz)
GFSK	0	2402	0.85309
	39	2441	0.85724
	78	2480	0.85451
π/4DQPSK	0	2402	1.1878
	39	2441	1.1893
	78	2480	1.1938
8DPSK	0	2402	1.1918
	39	2441	1.1931
	78	2480	1.1839

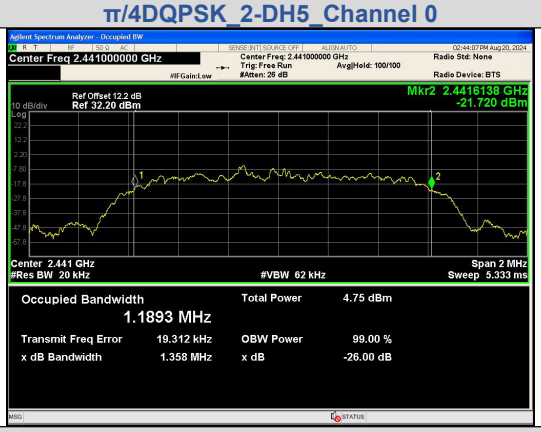
Test Graphs

GFSK_DH5_Channel 0



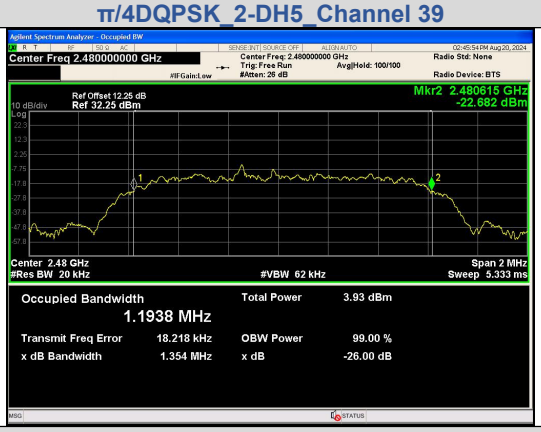
π/4DQPSK_2-DH5_Channel 0

GFSK_DH5_Channel 39

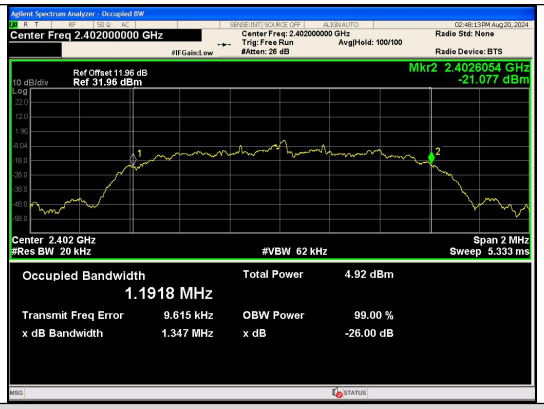


π/4DQPSK_2-DH5_Channel 39

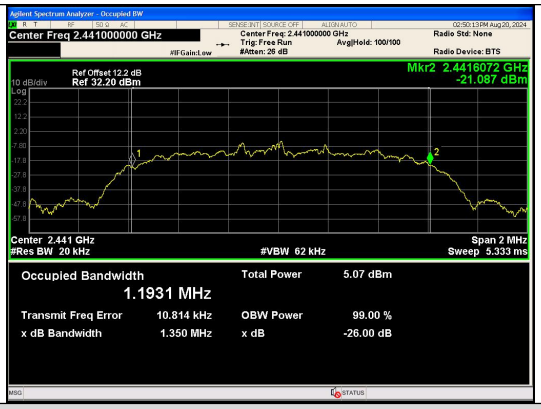
GFSK_DH5_Channel 78



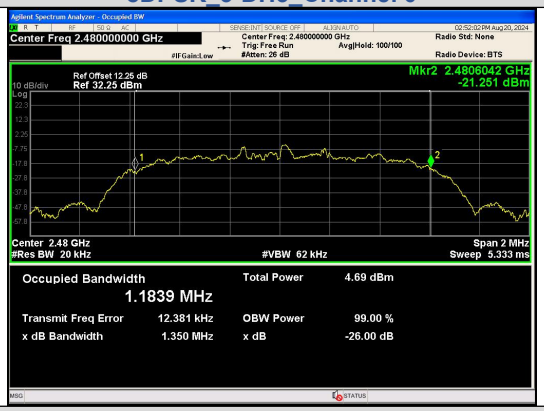
π/4DQPSK_2-DH5_Channel 78



8DPSK_3-DH5_Channel 0



8DPSK_3-DH5_Channel 39



8DPSK_3-DH5_Channel 78

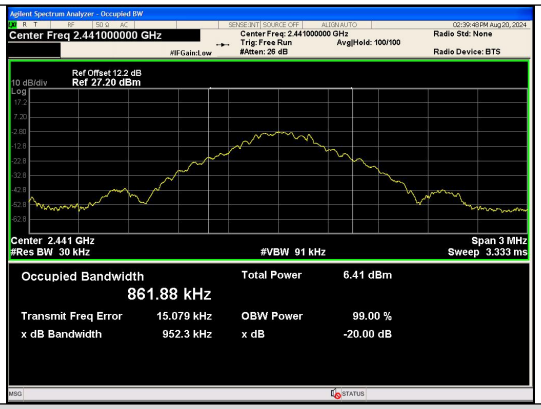
APPENDIX VI.20dB Bandwidth

Test Result

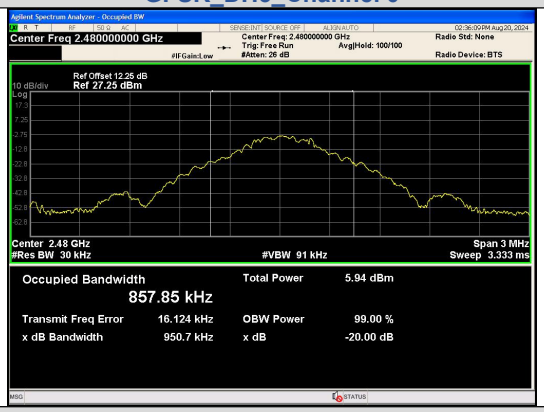
Modulation	Channel	Center Frequency (MHz)	20 dB Bandwidth (MHz)
GFSK	0	2402 MHz	0.9512
	39	2441 MHz	0.9523
	78	2480 MHz	0.9507
π/4DQPSK	0	2402 MHz	1.301
	39	2441 MHz	1.278
	78	2480 MHz	1.279
8DPSK	0	2402 MHz	1.291
	39	2441 MHz	1.295
	78	2480 MHz	1.297

Test Graphs

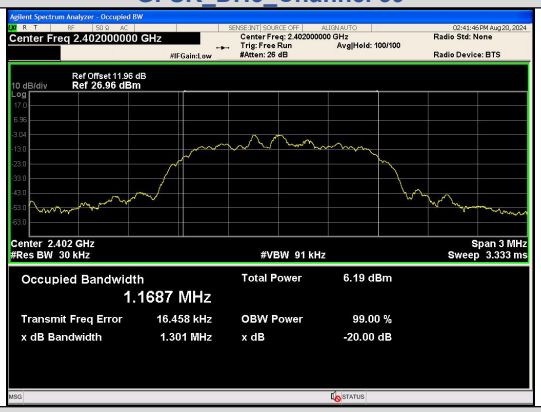
GFSK_DH5_Channel 0



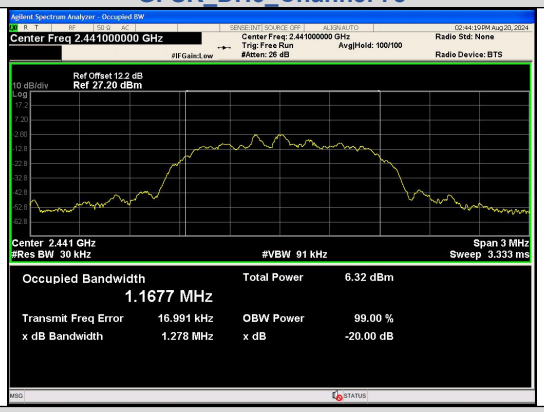
GFSK_DH5_Channel 39



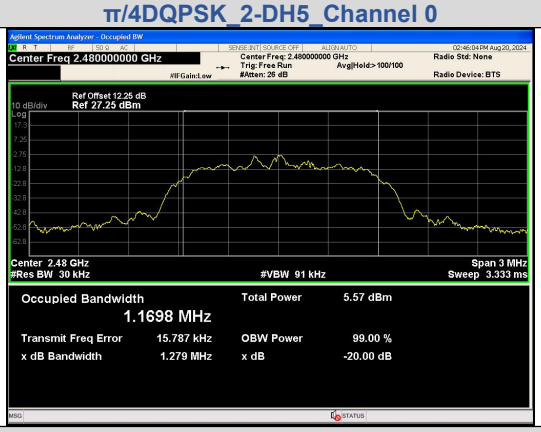
GFSK_DH5_Channel 78



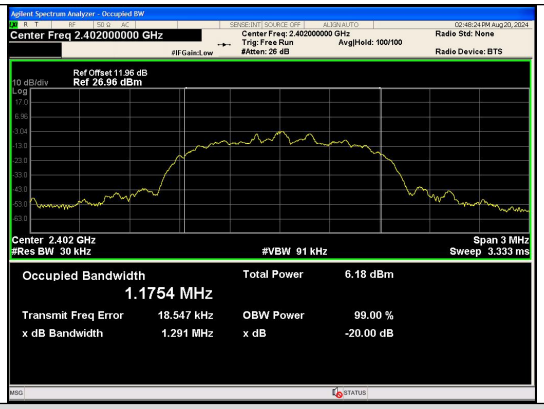
π/4DQPSK_2-DH5_Channel 0



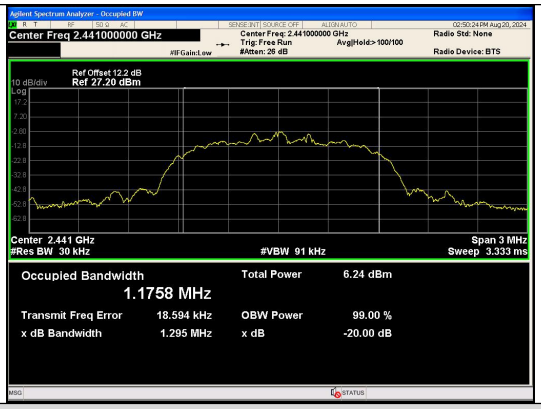
π/4DQPSK_2-DH5_Channel 39



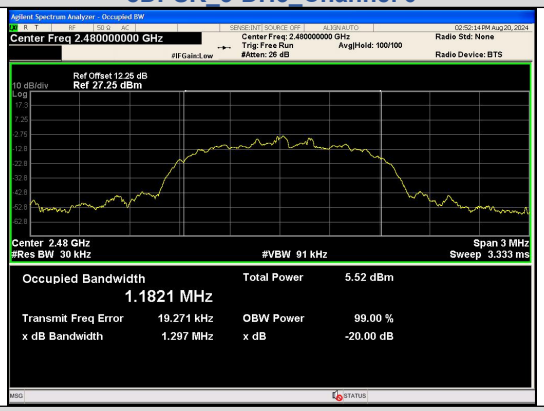
π/4DQPSK_2-DH5_Channel 78



8DPSK_3-DH5_Channel 0



8DPSK_3-DH5_Channel 39



8DPSK_3-DH5_Channel 78

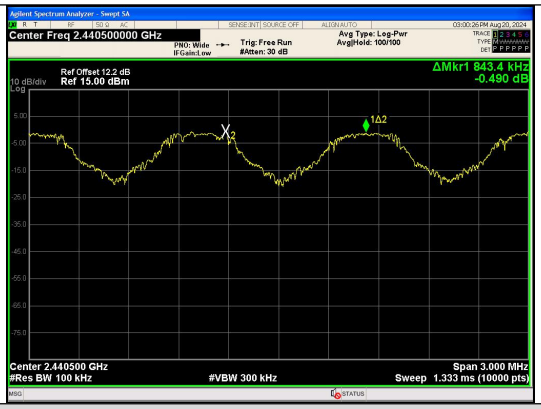
APPENDIX VII.Carrier Frequencies Separation

Test Result

Modulation	Packet	Left Center frequency (MHz)	Right Center frequency (MHz)	Hopping Frequency Separation (MHz)	Limit (MHz)	Result
GFSK	DH5	2440.078	2440.8581	0.7801	0.634	PASS
GFSK	DH5	2440.1788	2441.0222	0.8434	0.635	PASS
GFSK	DH5	2440.0636	2441.0	0.9364	0.634	PASS
π/4DQPSK	2-DH5	2439.9379	2441.1845	1.2466	0.867	PASS
π/4DQPSK	2-DH5	2439.9673	2441.0774	1.1101	0.852	PASS
π/4DQPSK	2-DH5	2439.9019	2440.9955	1.0936	0.853	PASS
8DPSK	3-DH5	2439.9511	2440.8449	0.8938	0.861	PASS
8DPSK	3-DH5	2439.934	2440.8524	0.9184	0.863	PASS
8DPSK	3-DH5	2439.9343	2440.991	1.0567	0.865	PASS

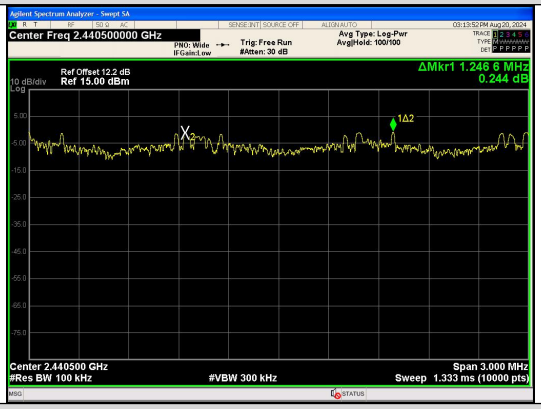
Test Graphs

GFSK



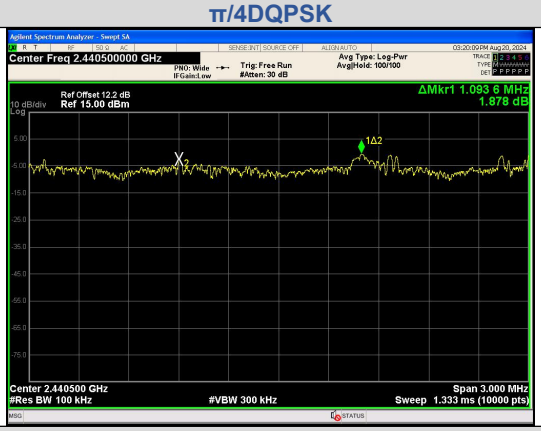
GFSK

GFSK



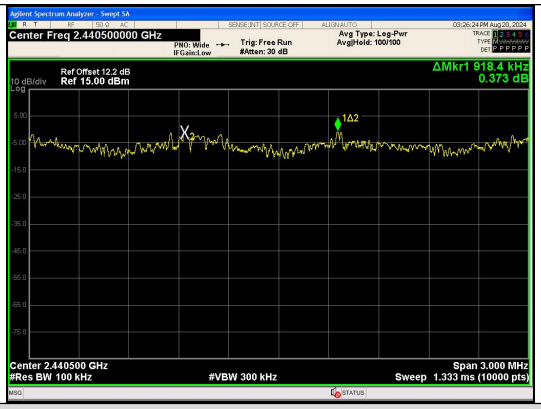
π/4DQPSK

π/4DQPSK



π/4DQPSK

8DPSK



8DPSK

8DPSK

APPENDIX VIII.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	2399.00	-44.156	-20.64	-23.516	PASS
			2400.00	-51.417	-20.64	-30.777	PASS
			4804.40	-55.839	-20.64	-35.199	PASS
			7205.30	-60.720	-20.64	-40.080	PASS
			9601.90	-34.109	-20.64	-13.469	PASS
			9608.10	-63.039	-20.64	-42.399	PASS
		39	4882.42	-55.085	-20.68	-34.405	PASS
			7323.30	-60.937	-20.68	-40.257	PASS
			9757.93	-34.311	-20.68	-13.631	PASS
			9764.17	-63.685	-20.68	-43.005	PASS
		78	2483.50	-49.802	-21.12	-28.682	PASS
			4959.83	-55.288	-21.12	-34.168	PASS
			7439.41	-61.908	-21.12	-40.788	PASS
			9914.00	-35.086	-21.12	-13.966	PASS
			9920.24	-63.216	-21.12	-42.096	PASS
π/4DQPSK	2-DH5	0	2399.00	-43.756	-20.76	-22.996	PASS
			2400.00	-49.174	-20.76	-28.414	PASS
			4804.40	-57.888	-20.76	-37.128	PASS
			7206.60	-61.278	-20.76	-40.518	PASS
			9601.90	-34.254	-20.76	-13.494	PASS
			9608.10	-64.896	-20.76	-44.136	PASS
		39	4881.79	-56.749	-20.64	-36.109	PASS
			7322.05	-61.923	-20.64	-41.283	PASS
			9757.93	-34.424	-20.64	-13.784	PASS
			9764.17	-62.243	-20.64	-41.603	PASS
		78	2483.50	-51.509	-21.15	-30.359	PASS
			4960.45	-59.115	-21.15	-37.965	PASS
			7440.03	-60.581	-21.15	-39.431	PASS
			9914.00	-35.221	-21.15	-14.071	PASS
			9919.62	-62.843	-21.15	-41.693	PASS
8DPSK	3-DH5	0	2398.99	-44.224	-21.25	-22.974	PASS
			2400.00	-46.951	-21.25	-25.701	PASS
			4803.80	-59.211	-21.25	-37.961	PASS
			7205.90	-61.264	-21.25	-40.014	PASS
			9601.90	-34.449	-21.25	-13.199	PASS
			9607.50	-63.891	-21.25	-42.641	PASS
		39	4881.79	-54.515	-20.75	-33.765	PASS
			7322.67	-61.403	-20.75	-40.653	PASS
			9757.93	-34.317	-20.75	-13.567	PASS
			9764.17	-63.528	-20.75	-42.778	PASS
		78	2483.50	-50.610	-21.11	-29.500	PASS
			4959.83	-59.676	-21.11	-38.566	PASS
			7439.41	-63.138	-21.11	-42.028	PASS
			9914.00	-35.359	-21.11	-14.249	PASS
			9920.86	-63.563	-21.11	-42.453	PASS

Hopping

Modulation	Packet	Channel	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result
GFSK	DH5	Hopping	2398.95	-44.922	-20.97	-23.952	PASS
			2400.00	-45.130	-20.97	-24.160	PASS
			2483.50	-49.555	-21.32	-28.235	PASS
			2400.00	-44.576	-20.87	-23.706	PASS
			2483.50	-49.700	-21.38	-28.320	PASS
			2398.99	-44.662	-20.79	-23.872	PASS
			2400.00	-45.629	-20.79	-24.839	PASS
			2483.50	-49.867	-21.16	-28.707	PASS
π/4DQPSK	2-DH5		2398.88	-45.129	-20.8	-24.329	PASS