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	2440.0405	2440.8338	0.7933	0.64	PASS
GFSK	DH5	2439.9997	2441.1485	1.1488	0.639	PASS
GFSK	DH5	2439.8506	2441.0021	1.1515	0.64	PASS
π/4DQPSK	2-DH5	2439.8551	2441.1536	1.2985	0.856	PASS
π/4DQPSK	2-DH5	2439.9976	2441.0579	1.0603	0.854	PASS
π/4DQPSK	2-DH5	2440.0432	2440.9838	0.9406	0.855	PASS
8DPSK	3-DH5	2440.0012	2441.0102	1.0090	0.866	PASS
8DPSK	3-DH5	2439.8596	2440.8497	0.9901	0.865	PASS
8DPSK	3-DH5	2439.8071	2440.8686	1.0615	0.867	PASS

Test Graphs

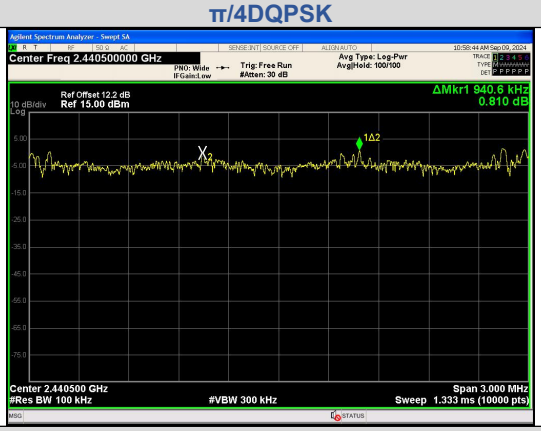
GFSK

GFSK

GFSK

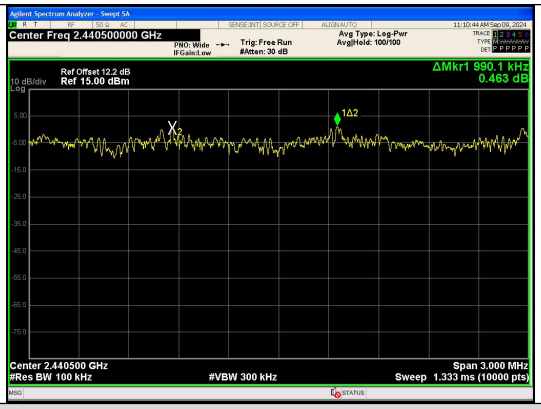
π/4DQPSK

π/4DQPSK

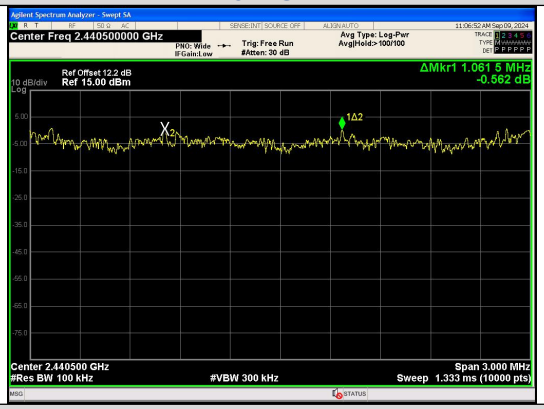


π/4DQPSK

8DPSK



8DPSK



8DPSK

APPENDIX VIII.Conducted Out Of Band Emission

Test Result

Non-Hopping

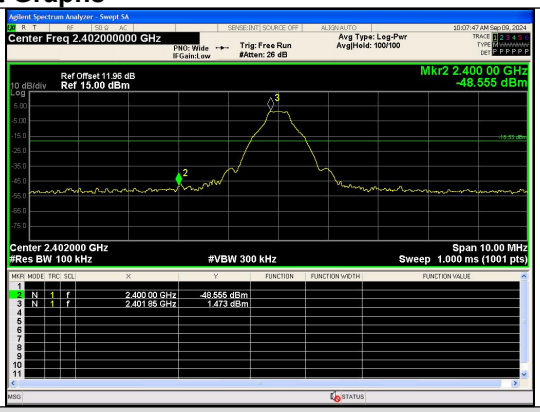
Modulation	Packet	Channel	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result
GFSK	DH5	0	2400.00	-48.555	-18.53	-30.025	PASS
			4803.76	-44.447	-18.53	-25.917	PASS
			7205.93	-46.324	-18.53	-27.794	PASS
			9608.11	-43.880	-18.53	-25.349	PASS
		39	4881.79	-42.581	-18.59	-23.991	PASS
			7323.30	-46.956	-18.59	-28.366	PASS
			9764.17	-45.416	-18.59	-26.826	PASS
		78	2483.50	-50.457	-18.72	-31.737	PASS
			4959.83	-45.068	-18.72	-26.348	PASS
			7440.03	-46.946	-18.72	-28.226	PASS
			9920.24	-46.819	-18.72	-28.099	PASS
π/4DQPSK	2-DH5	0	2400.00	-48.835	-18.57	-30.265	PASS
			4803.76	-45.426	-18.57	-26.856	PASS
			7205.93	-46.610	-18.57	-28.040	PASS
			9608.11	-44.180	-18.57	-25.610	PASS
		39	4881.79	-44.584	-18.48	-26.104	PASS
			7322.67	-49.767	-18.48	-31.287	PASS
			9764.17	-44.905	-18.48	-26.425	PASS
		78	2483.50	-51.619	-18.7	-32.919	PASS
			4959.83	-41.876	-18.7	-23.176	PASS
			7440.03	-50.464	-18.7	-31.764	PASS
			9920.24	-47.315	-18.7	-28.615	PASS
8DPSK	3-DH5	0	2400.00	-46.182	-18.57	-27.612	PASS
			4803.76	-47.199	-18.57	-28.629	PASS
			7205.93	-49.266	-18.57	-30.696	PASS
			9608.11	-44.602	-18.57	-26.032	PASS
		39	4881.79	-43.936	-18.51	-25.426	PASS
			7323.30	-51.084	-18.51	-32.575	PASS
			9764.17	-45.471	-18.51	-26.961	PASS
		78	2483.50	-51.101	-18.92	-32.181	PASS
			4959.83	-44.688	-18.92	-25.768	PASS
			7440.03	-49.179	-18.92	-30.259	PASS
			9920.24	-46.859	-18.92	-27.939	PASS

Hopping

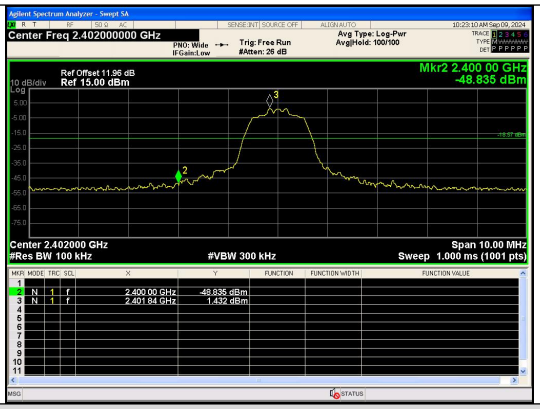
Modulation	Packet	Channel	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result
GFSK	DH5	Hopping	2396.65	-49.430	-18.6	-30.830	PASS
			2400.00	-50.636	-18.6	-32.036	PASS
			2483.50	-50.663	-18.86	-31.803	PASS
			2395.02	-49.653	-18.79	-30.863	PASS
			2400.00	-49.677	-18.79	-30.887	PASS
			2483.50	-49.967	-18.9	-31.067	PASS
			2396.08	-49.412	-18.72	-30.692	PASS
			2400.00	-49.581	-18.72	-30.861	PASS
			2483.50	-49.986	-18.67	-31.316	PASS
π/4DQPSK	2-DH5		2395.37	-49.739	-18.57	-31.169	PASS
			2400.00	-50.717	-18.57	-32.147	PASS
			2483.50	-51.300	-18.91	-32.390	PASS
			2398.99	-49.828	-19.86	-29.968	PASS
			2400.00	-50.743	-19.86	-30.883	PASS
			2483.50	-50.758	-18.88	-31.878	PASS
			2396.54	-49.008	-18.56	-30.448	PASS
			2400.00	-50.848	-18.56	-32.288	PASS
			2483.50	-50.507	-18.71	-31.797	PASS
8DPSK	3-DH5		2395.89	-49.757	-18.64	-31.117	PASS
			2400.00	-51.737	-18.64	-33.097	PASS
			2483.50	-50.237	-18.7	-31.537	PASS

			2400.00	-49.207	-18.93	-30.277	PASS
			2483.50	-51.294	-18.87	-32.424	PASS
			2398.09	-49.215	-19.05	-30.165	PASS
			2400.00	-50.782	-19.05	-31.732	PASS
			2483.50	-50.204	-18.93	-31.274	PASS

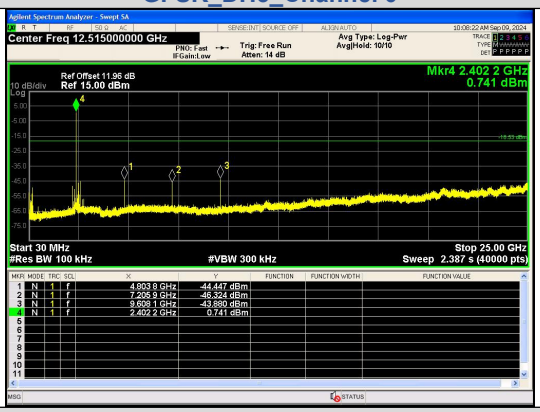
Test Graphs



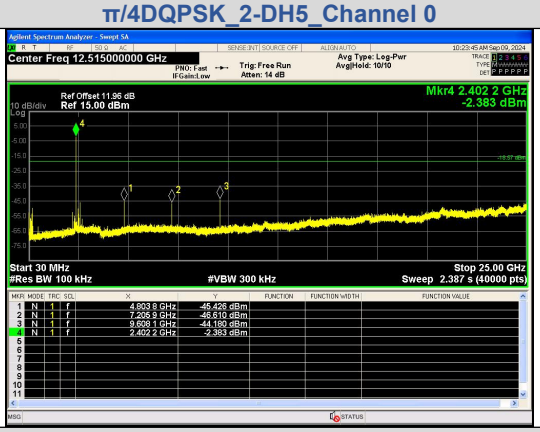
Out Of Band Emission
GFSK_DH5_Channel 0



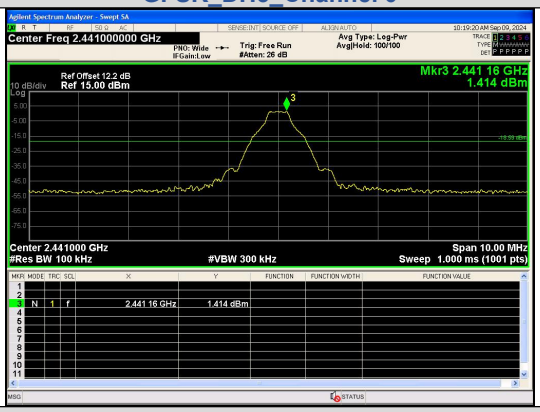
Out Of Band Emission
π/4DQPSK_2-DH5_Channel 0



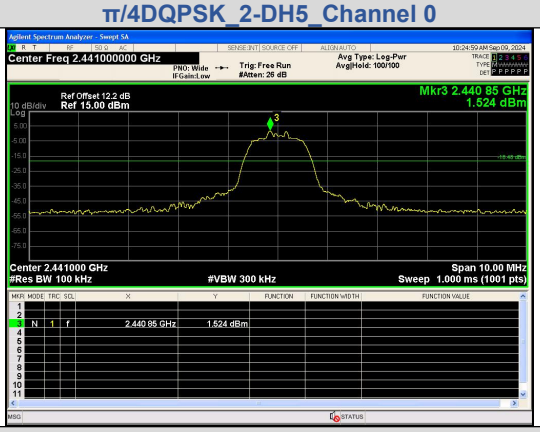
30.0 MHz - 25000.0 MHz
GFSK_DH5_Channel 0



30.0 MHz - 25000.0 MHz
π/4DQPSK_2-DH5_Channel 0



Out Of Band Emission
GFSK_DH5_Channel 39



Out Of Band Emission
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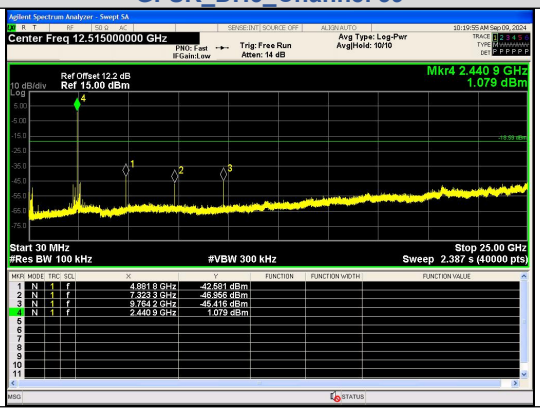
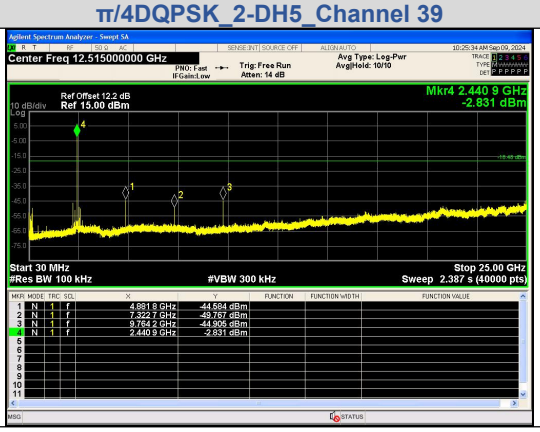
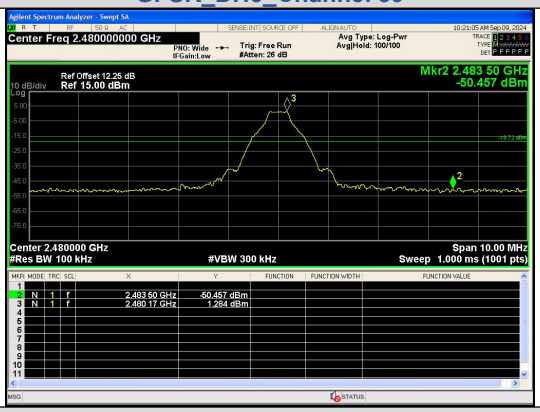
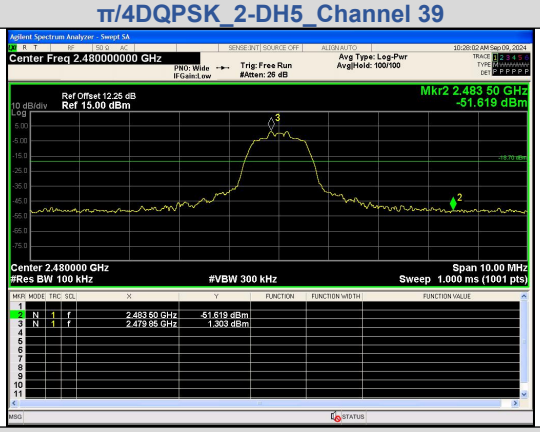




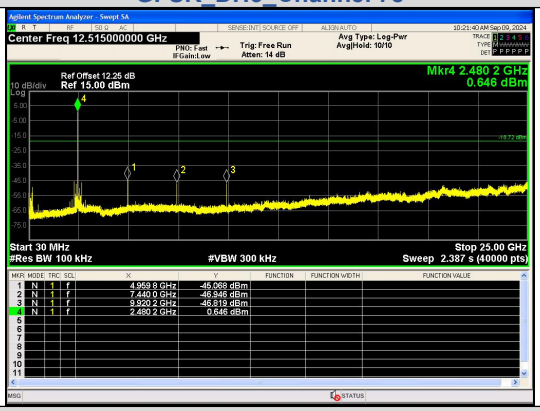
30.0 MHz - 25000.0 MHz
GFSK_DH5_Channel 39



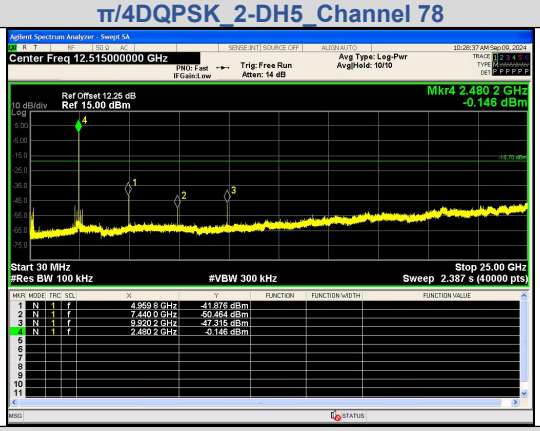
30.0 MHz - 25000.0 MHz
π/4DQPSK_2-DH5_Channel 39



Out Of Band Emission
GFSK_DH5_Channel 78

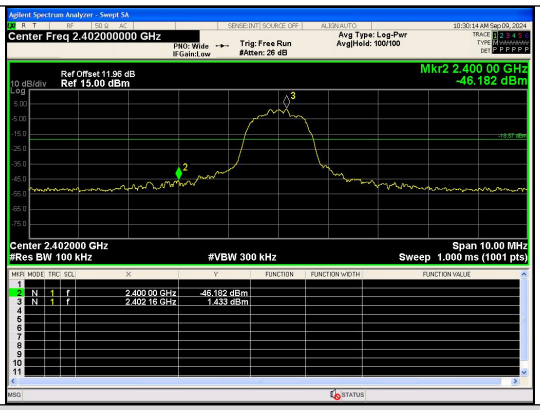


Out Of Band Emission
π/4DQPSK_2-DH5_Channel 78

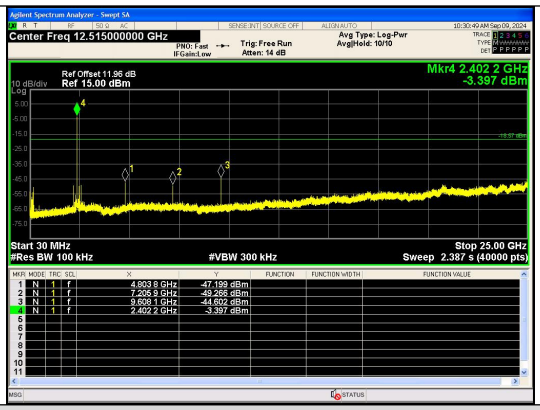


30.0 MHz - 25000.0 MHz
GFSK_DH5_Channel 78

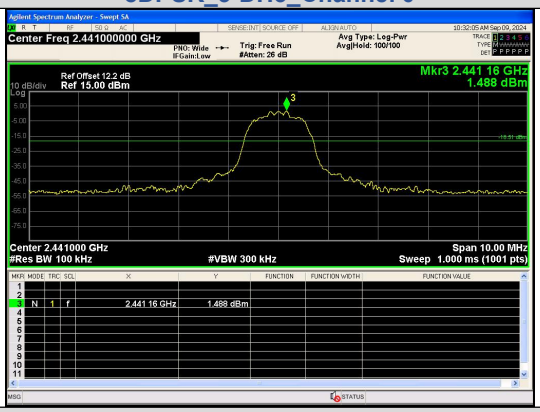
30.0 MHz - 25000.0 MHz
π/4DQPSK_2-DH5_Channel 78



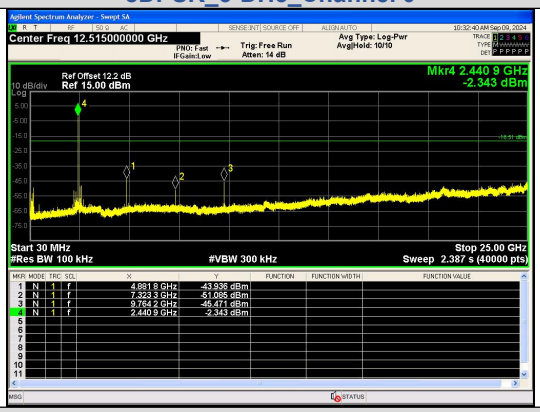
Out Of Band Emission
8DPSK_3-DH5_Channel 0



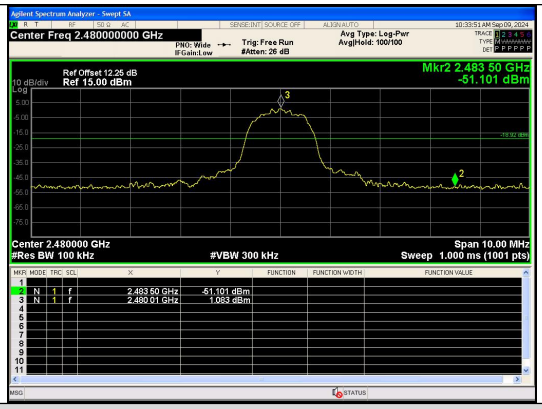
30.0 MHz - 25000.0 MHz
8DPSK_3-DH5_Channel 0



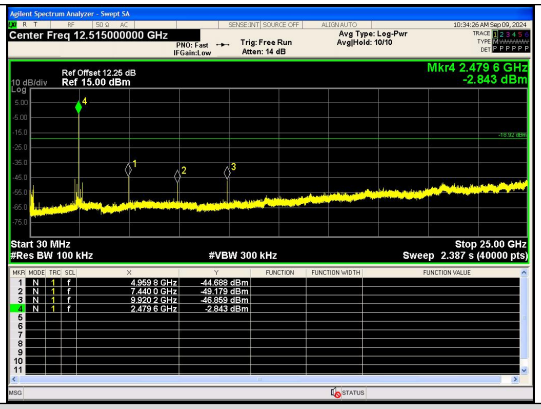
Out Of Band Emission
8DPSK_3-DH5_Channel 39



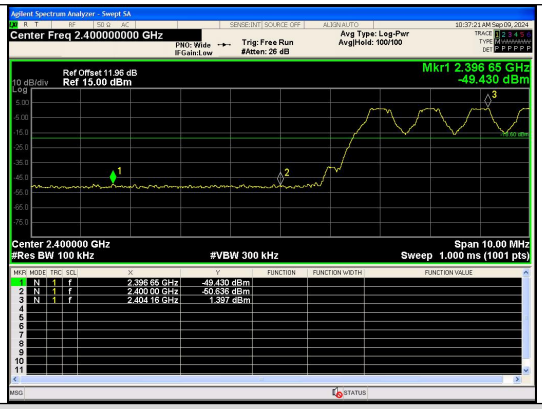
30.0 MHz - 25000.0 MHz
8DPSK_3-DH5_Channel 39



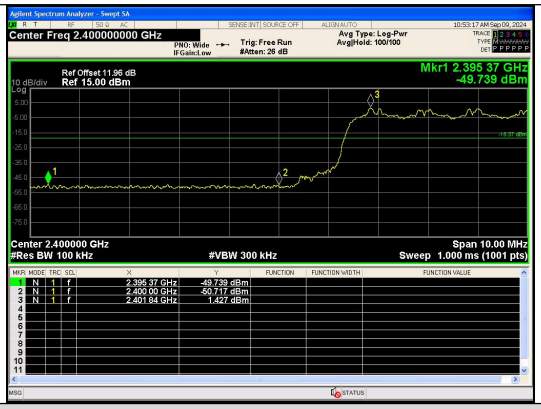
Out Of Band Emission
8DPSK_3-DH5_Channel 78



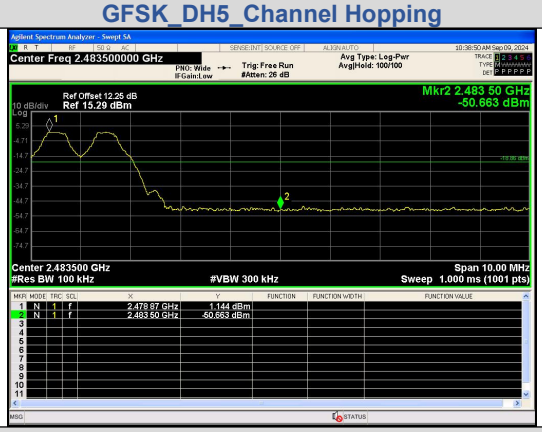
30.0 MHz - 25000.0 MHz
8DPSK_3-DH5_Channel 78



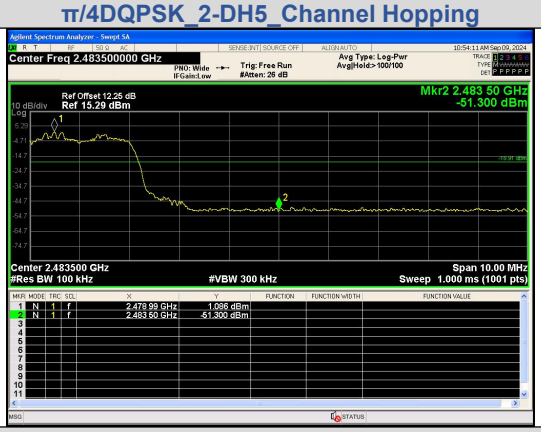
Out Of Band Emission(Left)
GFSK_DH5_Channel Hopping



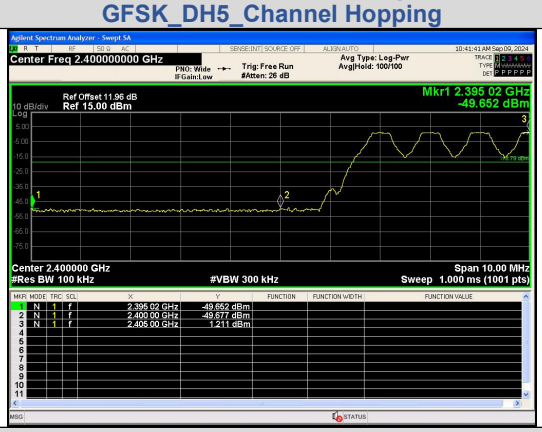
Out Of Band Emission(Left)
π/4DQPSK_2-DH5_Channel Hopping



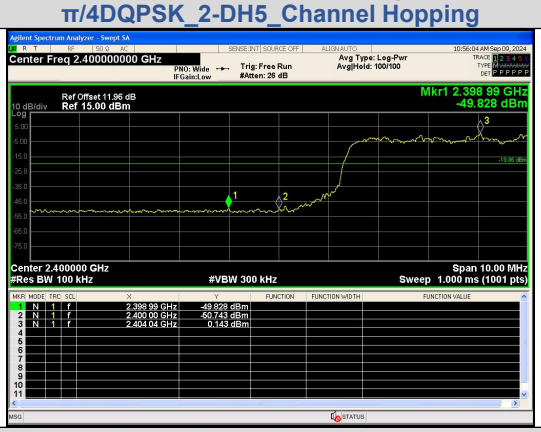
Out Of Band Emission(Right)
GFSK_DH5_Channel Hopping



Out Of Band Emission(Right)
π/4DQPSK_2-DH5_Channel Hopping



Out Of Band Emission(Left)
GFSK_DH5_Channel Hopping



Out Of Band Emission(Left)
π/4DQPSK_2-DH5_Channel Hopping