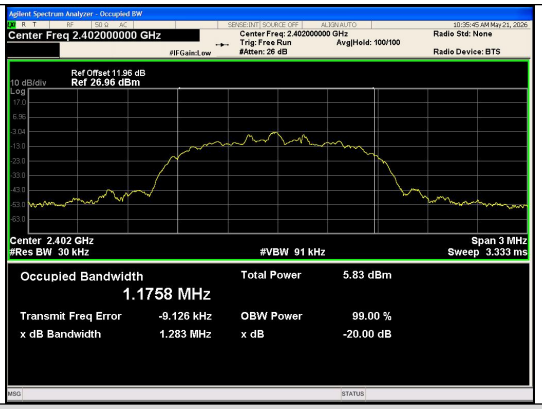
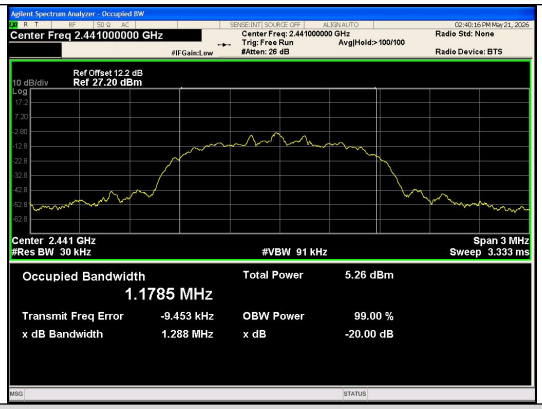
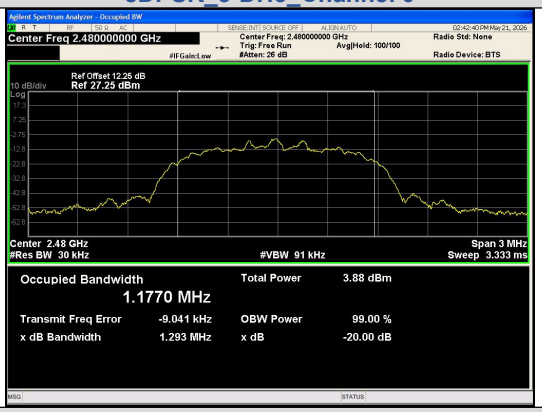


8DPSK_3-DH5_Channel 0



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	2439.8197	2440.856	1.0363	0.636	PASS
π/4DQPSK	2-DH5	2439.943	2440.8332	0.8902	0.871	PASS
8DPSK	3-DH5	2439.9883	2440.9682	0.9799	0.862	PASS

Test Graphs

GFSK

π/4DQPSK

8DPSK

APPENDIX V. Conducted Spurious & Band Edge Emission

Test Result

Non-Hopping

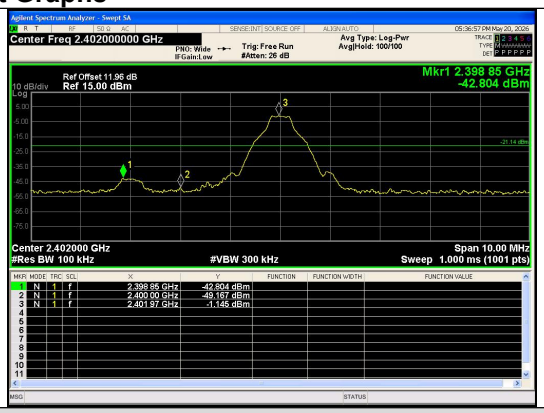
Modulation	Packet	Channel	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result
GFSK	DH5	0	2398.85	-42.804	-21.14	-21.664	PASS
			2400.00	-49.167	-21.14	-28.027	PASS
			4804.30	-55.784	-21.14	-34.644	PASS
			7205.80	-58.206	-21.14	-37.066	PASS
			9602.20	-39.893	-21.14	-18.753	PASS
			9608.50	-63.977	-21.14	-42.837	PASS
		39	4881.67	-56.437	-21.83	-34.607	PASS
			7323.74	-58.745	-21.83	-36.915	PASS
			9757.69	-38.349	-21.83	-16.519	PASS
			9763.31	-63.161	-21.83	-41.331	PASS
		78	2483.50	-51.837	-23.08	-28.757	PASS
			4960.33	-56.497	-23.08	-33.417	PASS
			7439.85	-57.839	-23.08	-34.759	PASS
			9913.75	-36.257	-23.08	-13.177	PASS
			9919.37	-63.824	-23.08	-40.744	PASS
π/4DQPSK	2-DH5	0	2398.97	-42.708	-21.15	-21.558	PASS
			2400.00	-49.883	-21.15	-28.733	PASS
			4803.60	-59.301	-21.15	-38.151	PASS
			7206.40	-61.484	-21.15	-40.334	PASS
			9602.20	-40.097	-21.15	-18.947	PASS
			9607.20	-65.498	-21.15	-44.348	PASS
		39	4881.67	-60.654	-21.55	-39.104	PASS
			7323.74	-55.348	-21.55	-33.798	PASS
			9757.69	-38.841	-21.55	-17.291	PASS
			9764.55	-62.266	-21.55	-40.716	PASS
		78	2483.50	-50.765	-23.04	-27.725	PASS
			4960.33	-59.175	-23.04	-36.135	PASS
			7439.85	-60.378	-23.04	-37.338	PASS
			9913.75	-35.905	-23.04	-12.865	PASS
			9920.62	-63.289	-23.04	-40.249	PASS
8DPSK	3-DH5	0	2398.99	-43.860	-21.14	-22.720	PASS
			2400.00	-49.303	-21.14	-28.163	PASS
			4804.30	-59.133	-21.14	-37.993	PASS
			7205.80	-59.811	-21.14	-38.671	PASS
			9602.20	-38.896	-21.14	-17.756	PASS
			9607.20	-64.325	-21.14	-43.185	PASS
		39	4882.30	-60.188	-21.61	-38.578	PASS
			7323.11	-60.314	-21.61	-38.704	PASS
			9757.69	-37.975	-21.61	-16.365	PASS
			9764.55	-61.255	-21.61	-39.645	PASS
		78	2483.50	-51.537	-23.0	-28.537	PASS
			4960.33	-59.751	-23.0	-36.751	PASS
			7439.85	-62.712	-23.0	-39.712	PASS
			9913.75	-35.120	-23.0	-12.120	PASS
			9920.62	-62.842	-23.0	-39.842	PASS
Note: input compensation coeffcient (dB)= Cable Loss (dB)							

Hopping

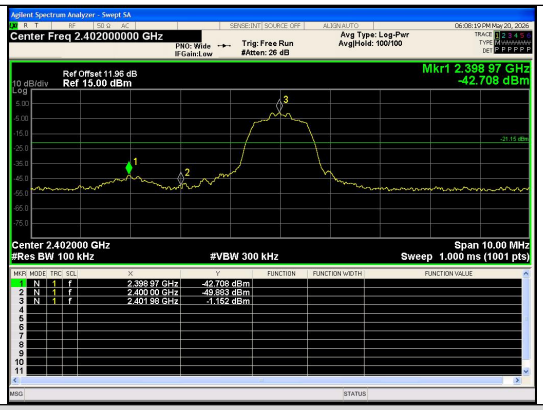
Modulation	Packet	Channel	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result
GFSK	DH5	Hopping	2400.00	-45.204	-21.33	-23.874	PASS
			2483.50	-51.126	-23.27	-27.856	PASS
π/4DQPSK	2-DH5		2398.97	-45.632	-21.24	-24.392	PASS
			2400.00	-48.189	-21.24	-26.949	PASS
			2483.50	-50.246	-25.72	-24.526	PASS
8DPSK	3-DH5		2398.85	-46.337	-21.38	-24.957	PASS
			2400.00	-47.398	-21.38	-26.018	PASS
			2483.50	-51.418	-23.19	-28.228	PASS

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

Test Graphs



Out Of Band Emission
GFSK_DH5_Channel 0



Out Of Band Emission
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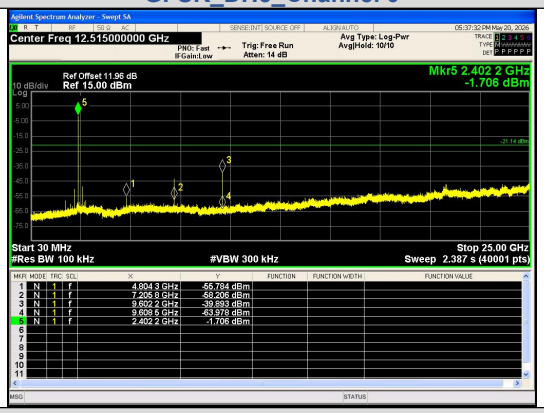
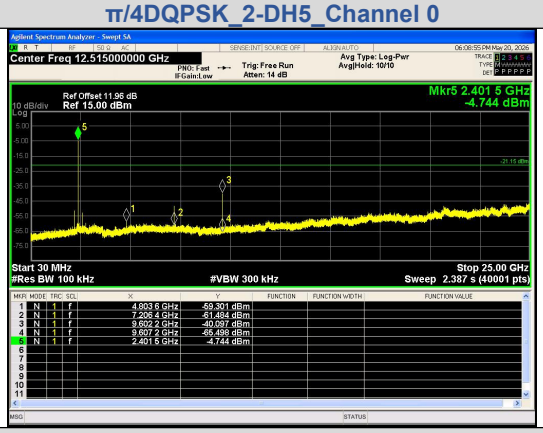
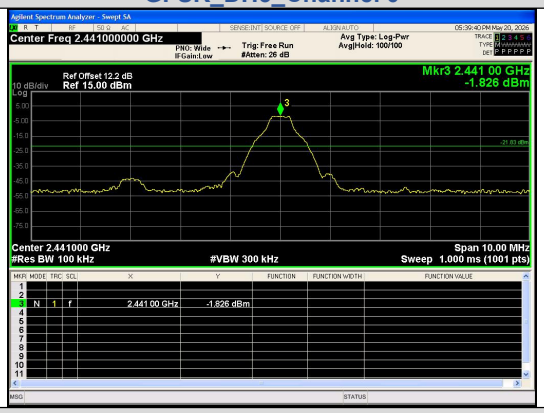


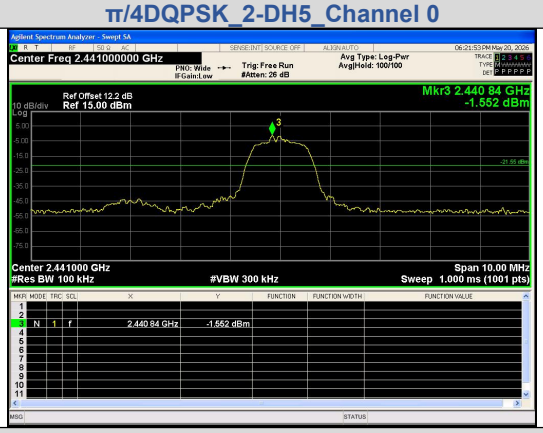
30.0 MHz - 25000.0 MHz
GFSK_DH5_Channel 0



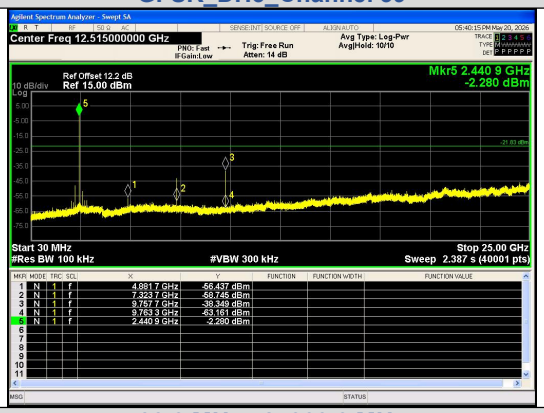
30.0 MHz - 25000.0 MHz
π/4DQPSK_2-DH5_Channel 0



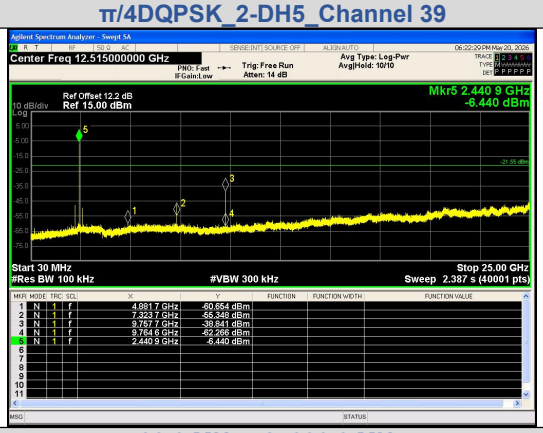
Out Of Band Emission
GFSK_DH5_Channel 39



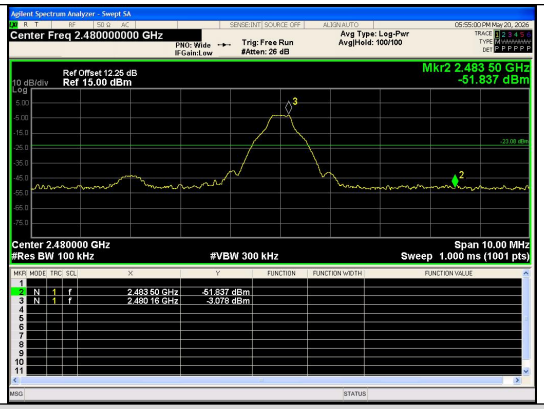
Out Of Band Emission
π/4DQPSK_2-DH5_Channel 39



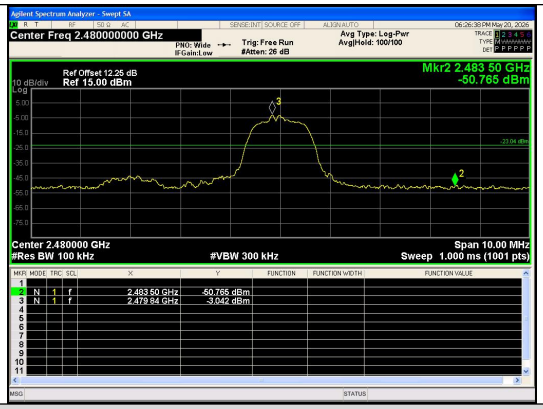
30.0 MHz - 25000.0 MHz
GFSK_DH5_Channel 39



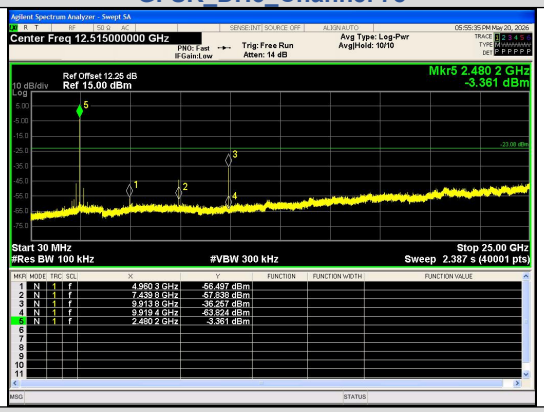
30.0 MHz - 25000.0 MHz
π/4DQPSK_2-DH5_Channel 39



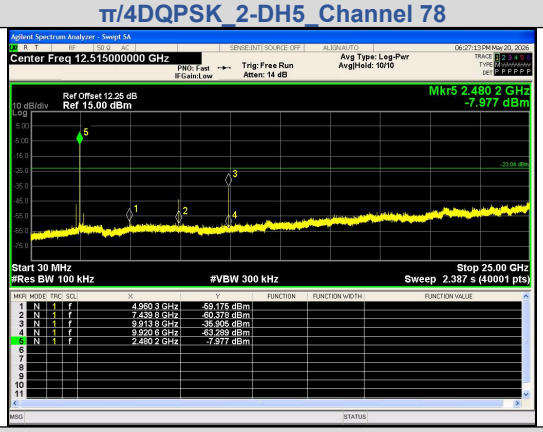
Out Of Band Emission
GFSK_DH5_Channel 78



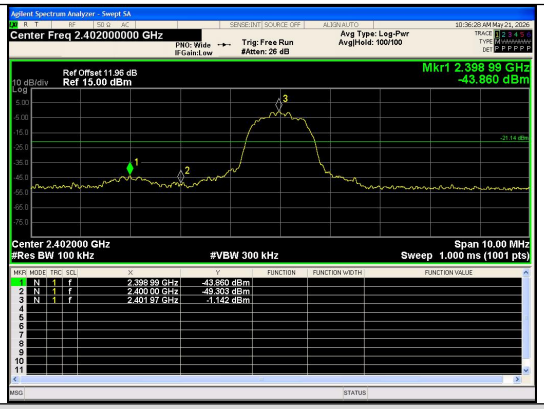
Out Of Band Emission
π/4DQPSK_2-DH5_Channel 78



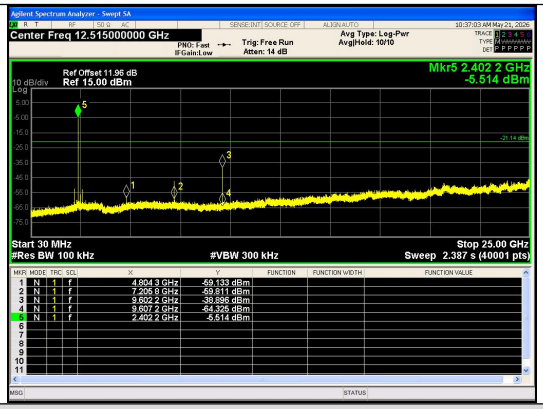
30.0 MHz - 25000.0 MHz
GFSK_DH5_Channel 78



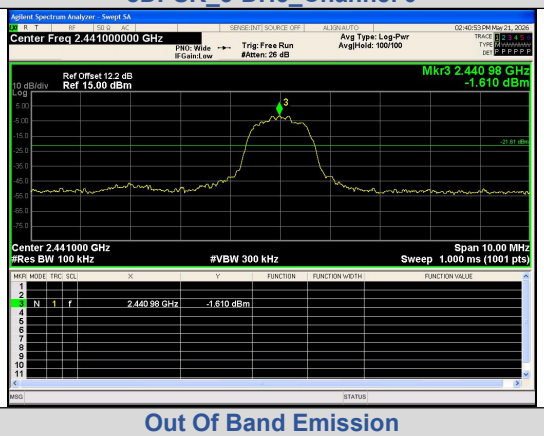
30.0 MHz - 25000.0 MHz
π/4DQPSK_2-DH5_Channel 78



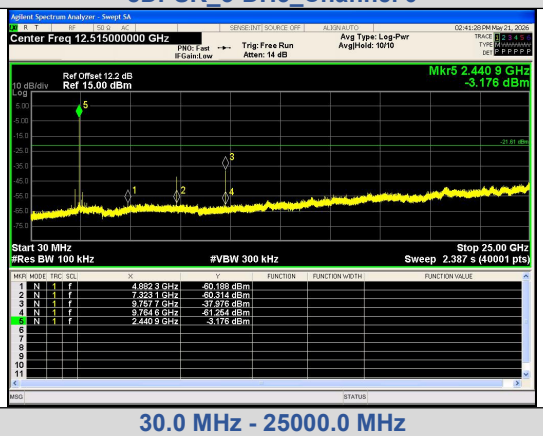
Out Of Band Emission
8DPSK_3-DH5_Channel 0



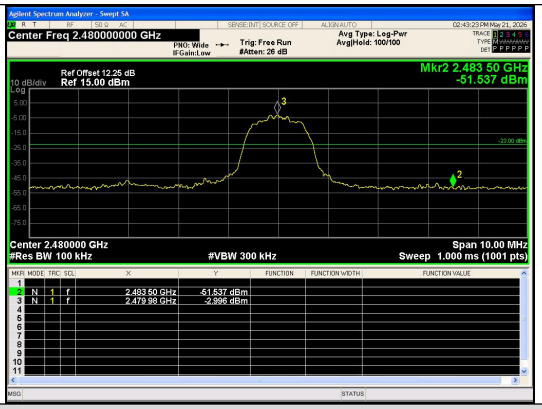
30.0 MHz - 25000.0 MHz
8DPSK_3-DH5_Channel 0



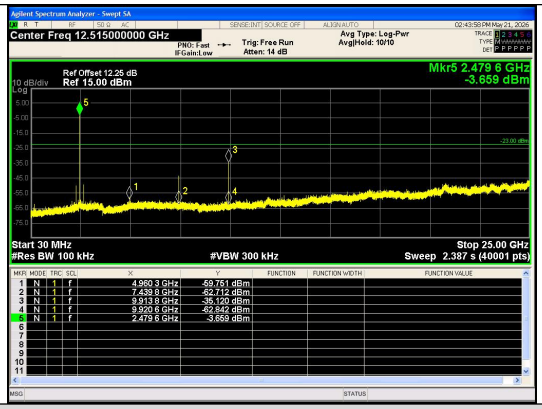
Out Of Band Emission
8DPSK_3-DH5_Channel 39



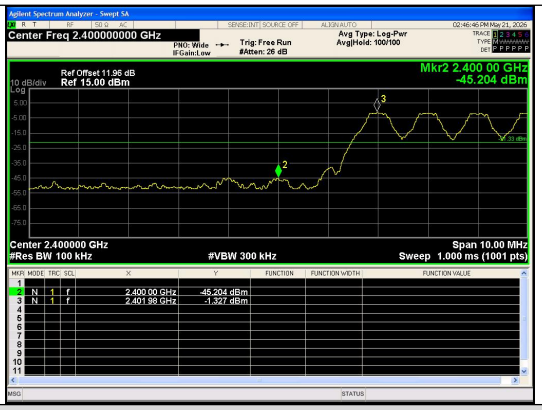
30.0 MHz - 25000.0 MHz
8DPSK_3-DH5_Channel 39



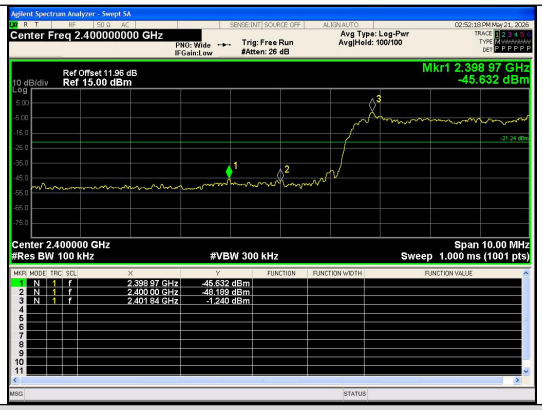
Out Of Band Emission
8DPSK_3-DH5_Channel 78



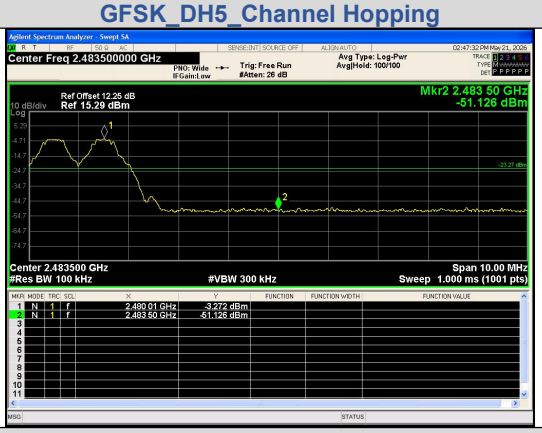
30.0 MHz - 25000.0 MHz
8DPSK_3-DH5_Channel 78



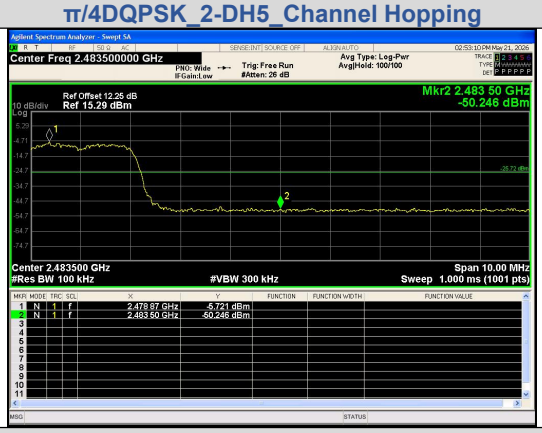
Out Of Band Emission(Left)
GFSK_DH5_Channel Hopping



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

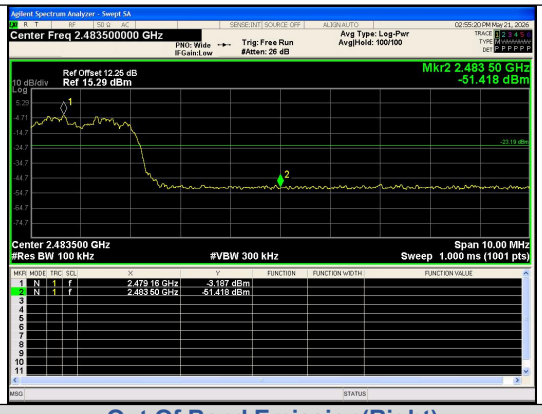


Out Of Band Emission(Right)
GFSK_DH5_Channel Hopping



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

Out Of Band Emission(Left)
8DPSK_3-DH5_Channel Hopping



Out Of Band Emission(Right)
8DPSK_3-DH5_Channel Hopping