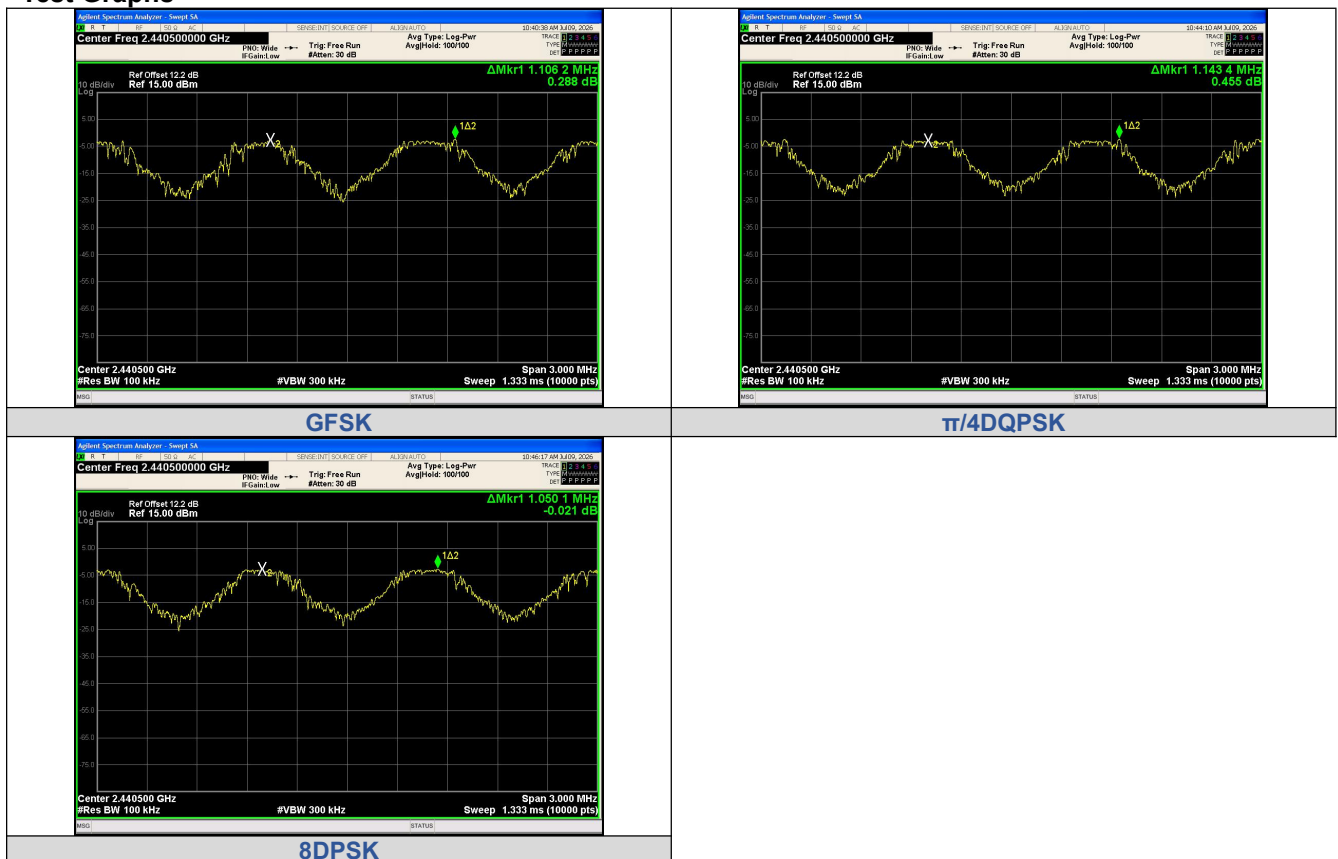


APPENDIX IV. Carrier Frequencies Separation

Test Result

Modulation	Packet	Left Center frequency (MHz)	Right Center frequency (MHz)	Hopping Frequency Separation (MHz)	Minimum Limit (MHz)	Result
GFSK	DH5	2440.0387	2441.1449	1.1062	0.637	PASS
$\pi/4$ DQPSK	2-DH5	2440.003	2441.1464	1.1434	0.853	PASS
8DPSK	3-DH5	2439.9895	2441.0396	1.0501	0.863	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	2398.83	-43.299	-21.86	-21.439	PASS
			2400.00	-50.079	-21.86	-28.219	PASS
			4804.30	-57.694	-21.86	-35.834	PASS
			7205.80	-57.501	-21.86	-35.641	PASS
			9602.20	-38.077	-21.86	-16.217	PASS
			9607.90	-63.199	-21.86	-41.339	PASS
		39	4881.67	-58.183	-22.33	-35.853	PASS
			7322.49	-59.187	-22.33	-36.857	PASS
			9757.69	-37.055	-22.33	-14.725	PASS
		78	9763.93	-62.413	-22.33	-40.083	PASS
			2483.50	-51.381	-23.82	-27.561	PASS
			4960.33	-56.900	-23.82	-33.080	PASS
			7439.85	-61.059	-23.82	-37.239	PASS
			9913.75	-34.324	-23.82	-10.504	PASS
			9919.37	-62.670	-23.82	-38.850	PASS
$\pi/4$ DQPSK	2-DH5	0	2399.00	-44.309	-21.77	-22.539	PASS
			2400.00	-51.126	-21.77	-29.356	PASS
			4804.30	-57.950	-21.77	-36.180	PASS
			7205.80	-56.167	-21.77	-34.397	PASS
			9602.20	-38.358	-21.77	-16.588	PASS
			9608.50	-61.844	-21.77	-40.074	PASS
		39	4881.67	-56.405	-22.24	-34.165	PASS
			7323.11	-59.660	-22.24	-37.419	PASS
			9757.69	-37.424	-22.24	-15.184	PASS
		78	9764.55	-62.469	-22.24	-40.229	PASS
			2483.50	-51.017	-23.76	-27.257	PASS
			4960.33	-59.231	-23.76	-35.471	PASS
			7440.47	-61.500	-23.76	-37.740	PASS
			9913.75	-34.647	-23.76	-10.887	PASS
			9919.99	-61.531	-23.76	-37.771	PASS
8DPSK	3-DH5	0	2399.00	-43.285	-21.72	-21.565	PASS
			2400.00	-49.972	-21.72	-28.252	PASS
			4804.30	-57.470	-21.72	-35.750	PASS
			7205.80	-60.254	-21.72	-38.534	PASS
			9602.20	-38.744	-21.72	-17.024	PASS
			9608.50	-63.662	-21.72	-41.942	PASS
		39	4881.67	-59.608	-22.34	-37.268	PASS
			7323.11	-59.482	-22.34	-37.142	PASS
			9757.69	-37.634	-22.34	-15.294	PASS
		78	9763.31	-62.703	-22.34	-40.363	PASS
			2483.50	-51.985	-23.86	-28.125	PASS
			4960.33	-57.972	-23.86	-34.112	PASS
			7439.22	-61.225	-23.86	-37.365	PASS
			9913.75	-35.000	-23.86	-11.140	PASS
			9919.99	-63.557	-23.86	-39.697	PASS

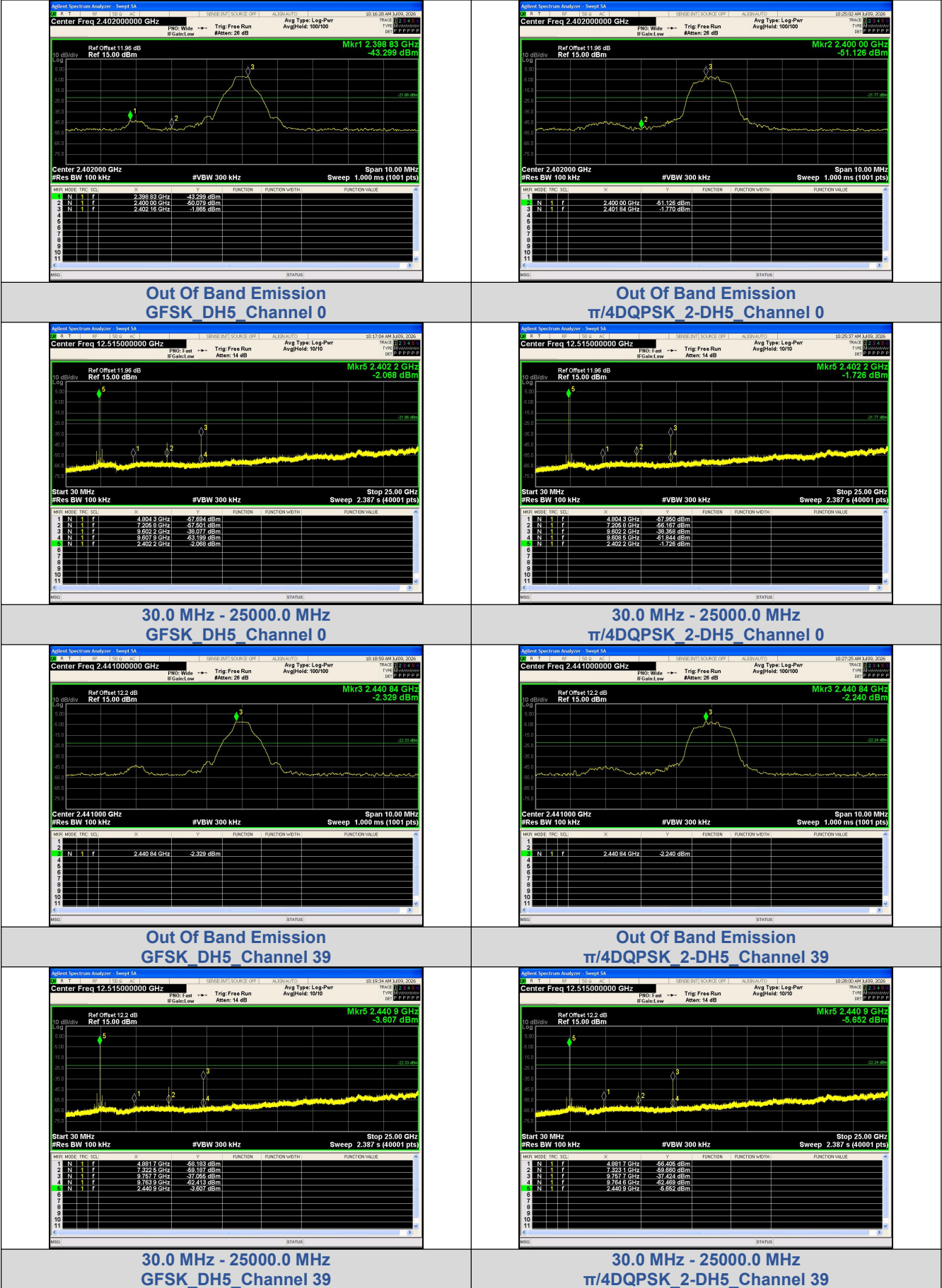
Note: input compensation coefficient (dB)= Cable Loss (dB)

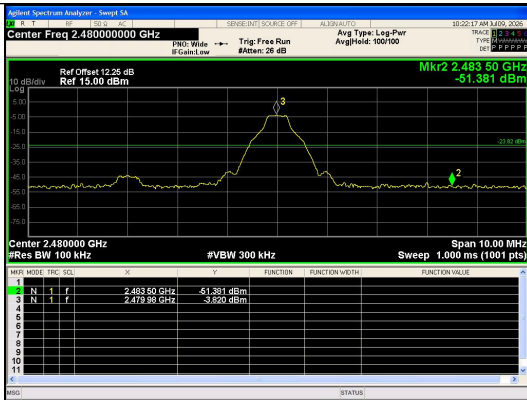
Hopping

Modulation	Packet	Channel	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result
GFSK	DH5	Hopping	2400.00	-46.208	-22.04	-24.168	PASS
			2483.50	-51.281	-23.89	-27.391	PASS
$\pi/4$ DQPSK	2-DH5		2398.98	-45.513	-21.7	-23.813	PASS
			2400.00	-47.508	-21.7	-25.808	PASS
			2483.50	-51.760	-24.04	-27.720	PASS
8DPSK	3-DH5		2400.00	-44.705	-22.24	-22.465	PASS
			2483.50	-50.767	-23.95	-26.817	PASS

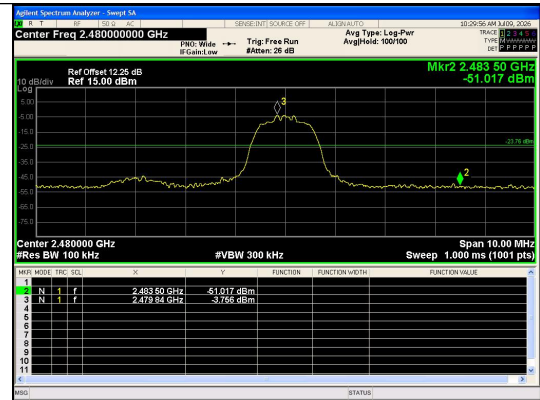
Note: input compensation coefficient (dB)= Cable Loss (dB)

Test Graphs

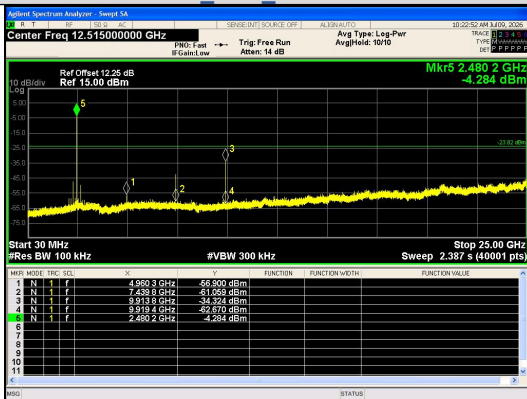




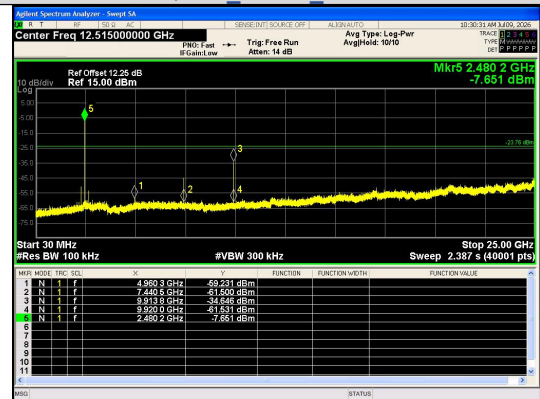
Out Of Band Emission
GFSK_DH5_Channel 78



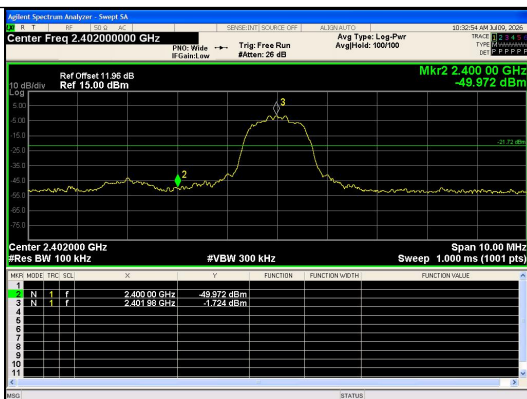
Out Of Band Emission
 $\pi/4$ DQPSK_2-DH5_Channel 78



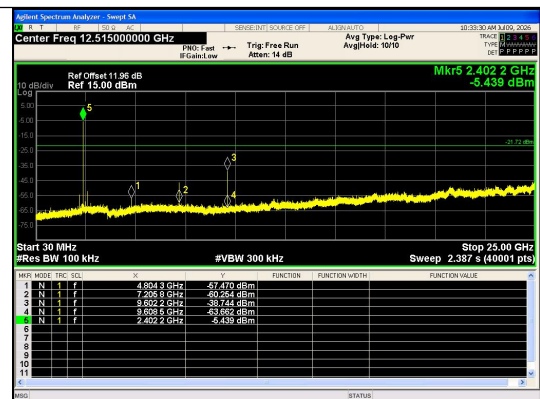
30.0 MHz - 25000.0 MHz
GFSK_DH5_Channel 78



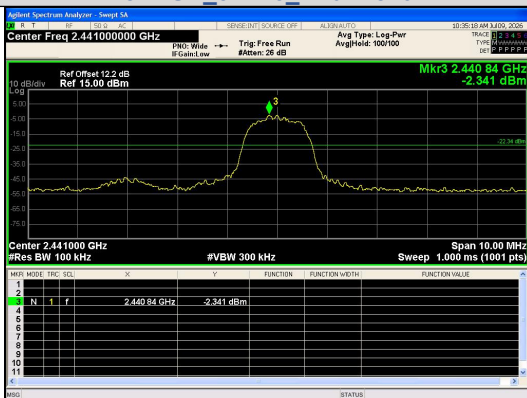
30.0 MHz - 25000.0 MHz
 $\pi/4$ DQPSK_2-DH5_Channel 78



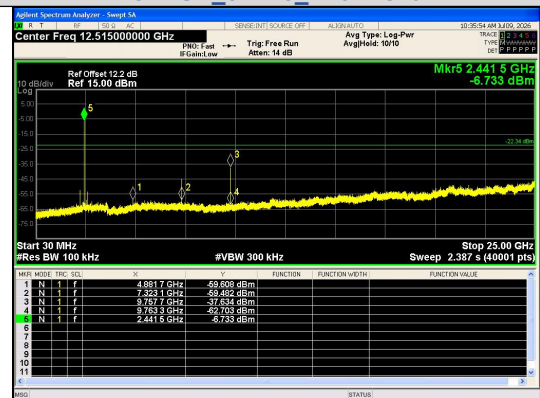
Out Of Band Emission
8DPSK_3-DH5_Channel 0



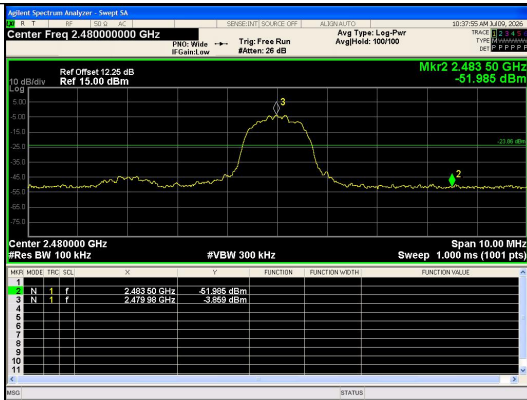
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8DPSK_3-DH5_Channel 0



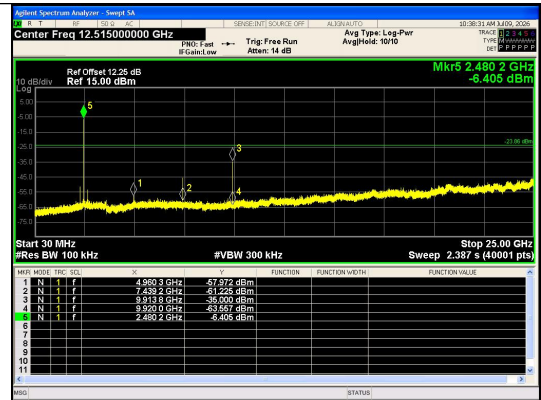
Out Of Band Emission
8DPSK_3-DH5_Channel 39



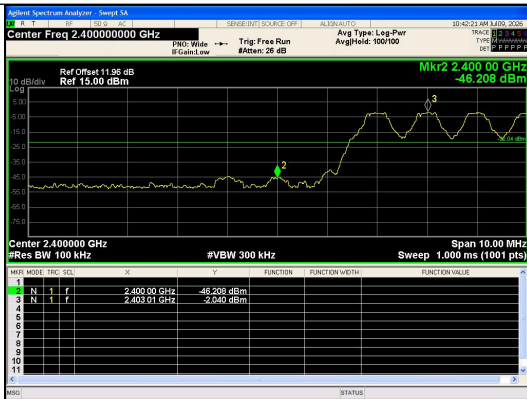
30.0 MHz - 25000.0 MHz
8DPSK_3-DH5_Channel 39



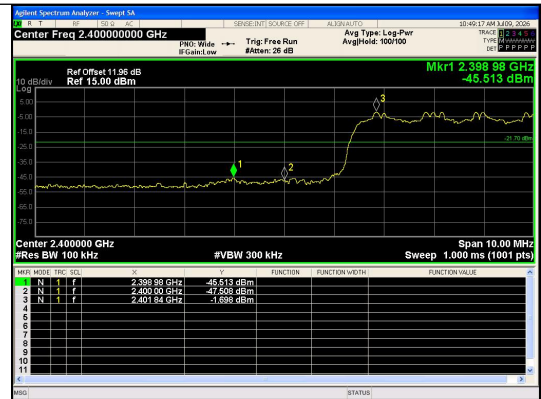
Out Of Band Emission
8DPSK_3-DH5_Channel 78



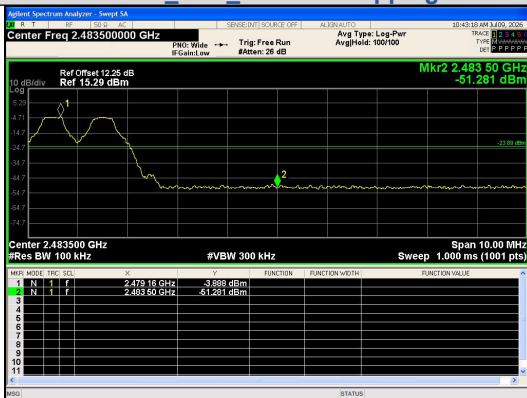
30.0 MHz - 25000.0 MHz
8DPSK_3-DH5_Channel 78



Out Of Band Emission(Left)
GFSK_DH5_Channel Hopping



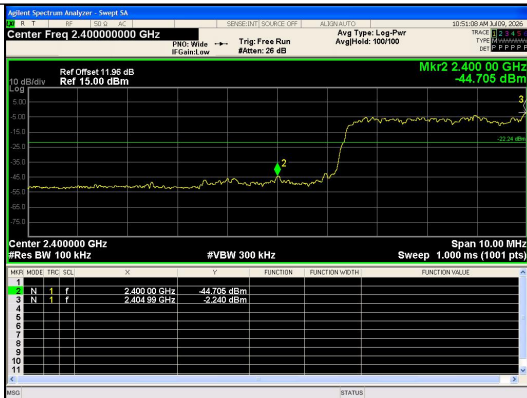
Out Of Band Emission(Left)
 $\pi/4$ DQPSK_2-DH5_Channel Hopping



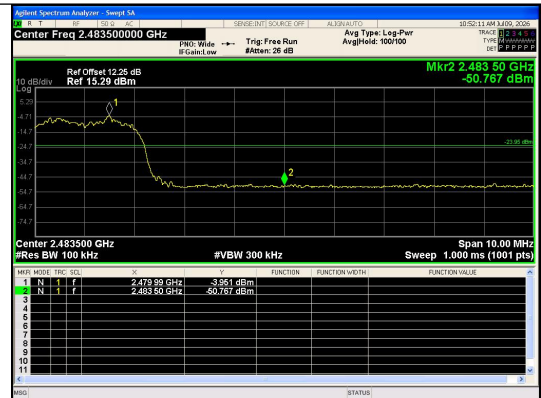
Out Of Band Emission(Right)
GFSK_DH5_Channel Hopping



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	2.884	3.748	76.95	0.7695	1.1379	0.3467
		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
$\pi/4$ DQPSK	2-DH5	0	2.890	3.748	77.11	0.7711	1.1289	0.3460
		39	2.890	3.748	77.11	0.7711	1.1289	0.3460
		78	2.890	3.748	77.11	0.7711	1.1289	0.3460
8DPSK	3-DH5	0	2.894	3.748	77.21	0.7721	1.1233	0.3455
		39	2.894	3.748	77.21	0.7721	1.1233	0.3455
		78	2.892	3.748	77.16	0.7716	1.1261	0.3458

Test Graphs

