

APPENDIX IV. Carrier Frequencies Separation

Test Result

Modulation	Packet	Left Center frequency (MHz)	Right Center frequency (MHz)	Hopping Frequency Separation (MHz)	Limit (MHz)	Result
GFSK	DH5	2439.9877	2440.9856	0.9979	0.687	PASS
GFSK	DH5	2439.9853	2440.9853	1.0000	0.687	PASS
GFSK	DH5	2439.9847	2440.9871	1.0024	0.687	PASS
$\pi/4$ DQPSK	2-DH5	2439.859	2440.8611	1.0021	0.759	PASS
$\pi/4$ DQPSK	2-DH5	2439.8605	2440.9976	1.1371	0.759	PASS
$\pi/4$ DQPSK	2-DH5	2440.0	2440.8617	0.8617	0.765	PASS
8DPSK	3-DH5	2439.9991	2441.0075	1.0084	0.797	PASS
8DPSK	3-DH5	2439.9826	2441.1545	1.1719	0.799	PASS
8DPSK	3-DH5	2439.9955	2440.9646	0.9691	0.799	PASS

Test Graphs





$\pi/4$ DQPSK



$\pi/4$ DQPSK



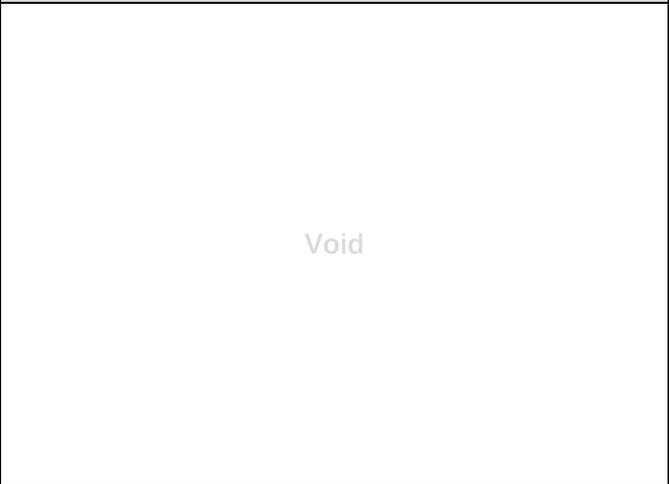
8DPSK



8DPSK



8DPSK



APPENDIX V. Conducted Out Of Band Emission

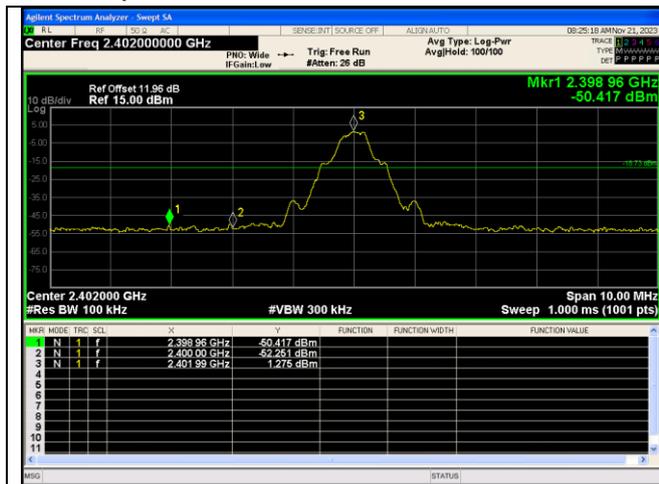
Test Result
Non-Hopping

Modulation	Packet	Channel	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result
GFSK	DH5	0	2400.00	-52.251	-18.73	-33.521	PASS
			2398.96	-50.417	-18.73	-31.687	PASS
			4803.80	-60.818	-18.73	-42.088	PASS
			7206.60	-63.522	-18.73	-44.791	PASS
			9608.10	-63.078	-18.73	-44.348	PASS
			24935.7	-47.138	-18.73	-28.408	PASS
		39	4881.17	-62.087	-17.54	-44.547	PASS
			7322.05	-62.106	-17.54	-44.566	PASS
			9764.80	-62.702	-17.54	-45.162	PASS
			24897.0	-46.949	-17.54	-29.409	PASS
		78	2483.50	-50.539	-17.83	-32.709	PASS
			4959.83	-61.056	-17.83	-43.226	PASS
			7440.03	-63.508	-17.83	-45.678	PASS
			9919.62	-63.292	-17.83	-45.462	PASS
$\pi/4$ DQPSK	2-DH5	0	2400.00	-51.326	-21.94	-29.386	PASS
			4803.76	-63.294	-21.94	-41.353	PASS
			7206.56	-62.543	-21.94	-40.603	PASS
			9607.48	-63.493	-21.94	-41.553	PASS
			24937.6	-46.924	-21.94	-24.984	PASS
		39	4881.79	-64.120	-20.94	-43.180	PASS
			7322.05	-63.879	-20.94	-42.939	PASS
			9764.80	-62.217	-20.94	-41.277	PASS
			24537.4	-45.614	-20.94	-24.674	PASS
		78	2483.50	-51.908	-20.85	-31.058	PASS
			4959.83	-63.178	-20.85	-42.328	PASS
			7439.41	-64.605	-20.85	-43.755	PASS
			9919.62	-61.561	-20.85	-40.711	PASS
			24912.6	-45.035	-20.85	-24.185	PASS
8DPSK	3-DH5	0	2400.00	-51.836	-21.95	-29.886	PASS
			2397.28	-51.136	-21.95	-29.186	PASS
			4804.40	-62.366	-21.95	-40.416	PASS
			7206.60	-62.926	-21.95	-40.976	PASS
			9608.10	-64.019	-21.95	-42.069	PASS
			24892.0	-46.369	-21.95	-24.419	PASS
		39	4881.79	-64.124	-20.75	-43.374	PASS
			7322.67	-62.735	-20.75	-41.985	PASS
			9764.80	-61.433	-20.75	-40.683	PASS
			24975.7	-45.625	-20.75	-24.875	PASS
		78	2483.50	-52.222	-20.94	-31.282	PASS
			4960.45	-64.046	-20.94	-43.106	PASS
			7440.03	-63.593	-20.94	-42.653	PASS
			9919.62	-63.372	-20.94	-42.432	PASS
			24943.8	-45.870	-20.94	-24.930	PASS

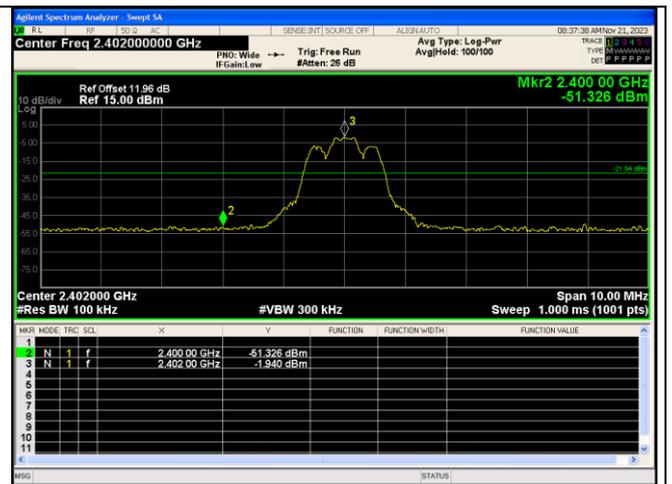
Hopping

Modulation	Packet	Channel	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result
GFSK	DH5		2398.21	-49.545	-21.6	-27.945	PASS
			2400.00	-51.773	-21.6	-30.173	PASS
			2483.50	-50.783	-20.42	-30.363	PASS
			2396.49	-48.386	-21.7	-26.686	PASS
			2400.00	-51.216	-21.7	-29.516	PASS
			2483.50	-51.135	-20.71	-30.425	PASS
			2395.16	-49.264	-21.48	-27.784	PASS
			2400.00	-50.880	-21.48	-29.400	PASS
$\pi/4$ DQPSK	2-DH5	Hopping	2483.50	-50.586	-20.29	-30.296	PASS
			2398.44	-49.529	-21.6	-27.929	PASS
			2400.00	-51.824	-21.6	-30.224	PASS
			2483.50	-50.612	-20.55	-30.062	PASS
			2395.12	-49.928	-21.62	-28.308	PASS
			2400.00	-51.343	-21.62	-29.723	PASS
			2483.50	-49.952	-20.58	-29.372	PASS
			2398.99	-49.619	-21.76	-27.859	PASS
8DPSK	3-DH5		2400.00	-50.934	-21.76	-29.174	PASS
			2483.50	-51.327	-20.48	-30.847	PASS
			2395.83	-49.776	-22.66	-27.116	PASS
			2400.00	-51.355	-22.66	-28.695	PASS
			2483.50	-50.136	-20.47	-29.666	PASS
			2398.00	-49.441	-22.33	-27.111	PASS
			2400.00	-51.418	-22.33	-29.088	PASS
			2483.50	-51.820	-20.47	-31.350	PASS
			2398.28	-49.487	-21.59	-27.897	PASS
			2400.00	-51.568	-21.59	-29.978	PASS
			2483.50	-50.806	-20.56	-30.246	PASS

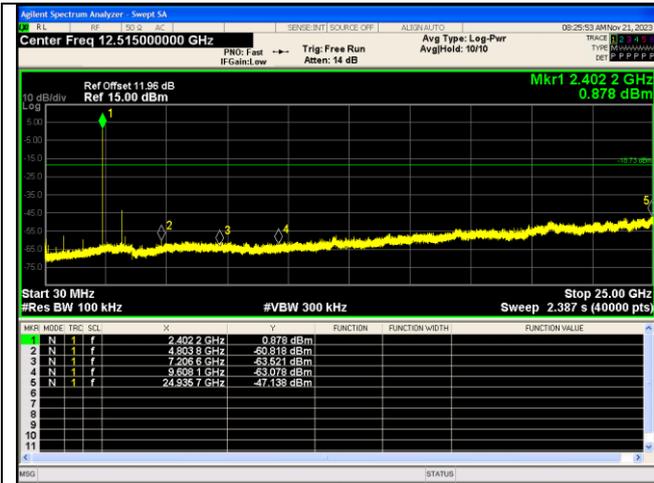
Test Graphs



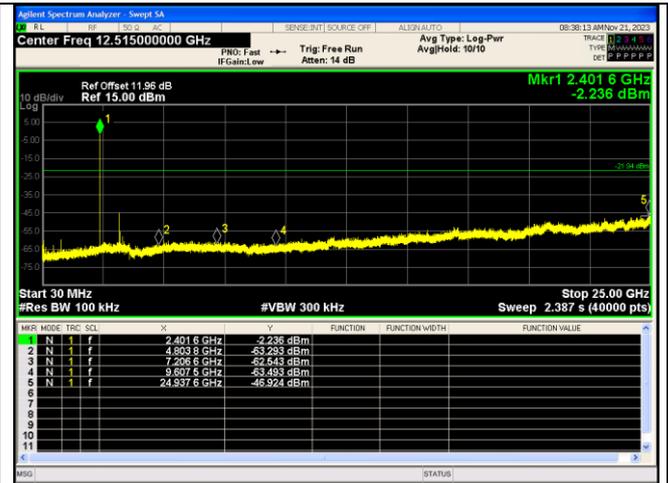
Out Of Band Emission
GFSK_DH5_Channel 0



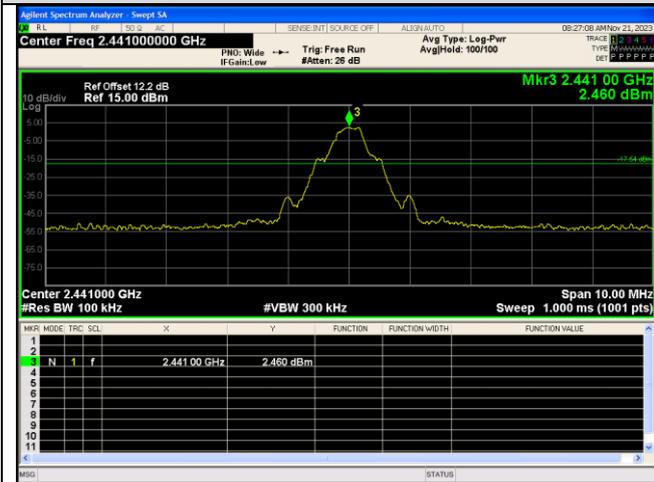
Out Of Band Emission
 $\pi/4$ DQPSK_2-DH5_Channel 0



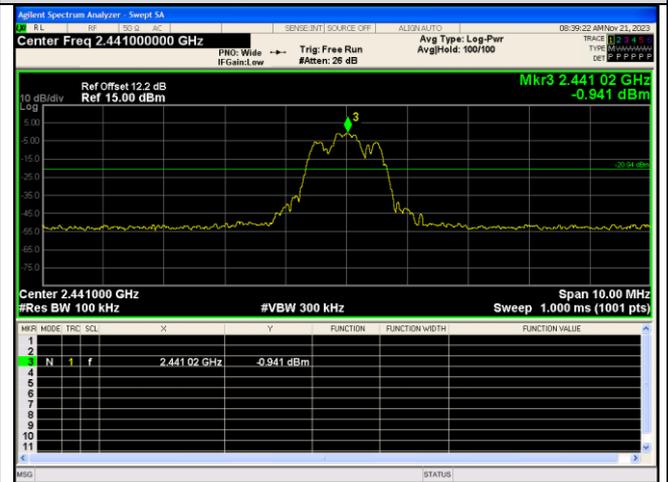
Spurious Emission
GFSK_DH5_Channel 0



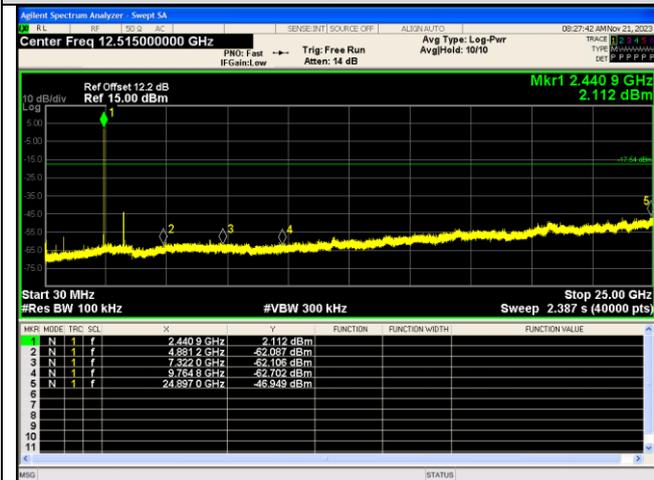
Spurious Emission
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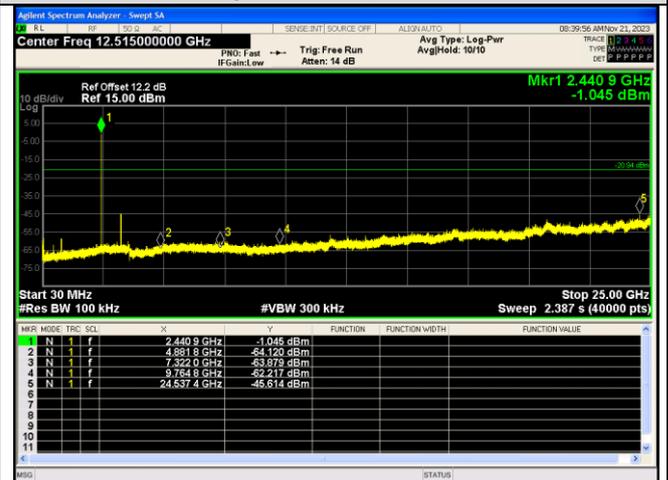
Out Of Band Emission
GFSK_DH5_Channel 39



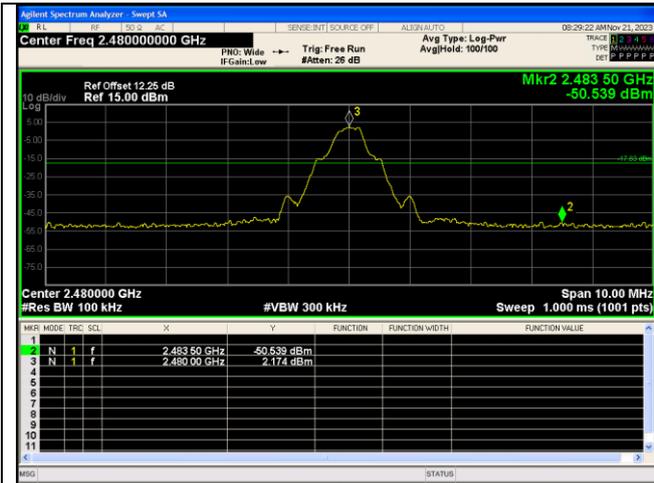
Out Of Band Emission
 $\pi/4$ DQPSK_2-DH5_Channel 39



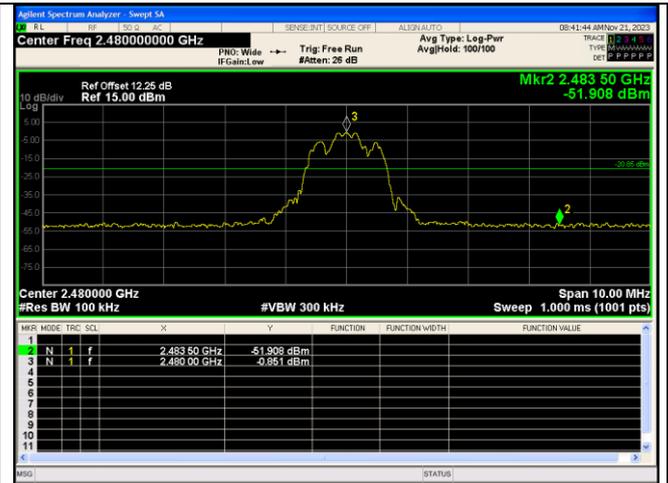
Spurious Emissions
GFSK_DH5_Channel 39



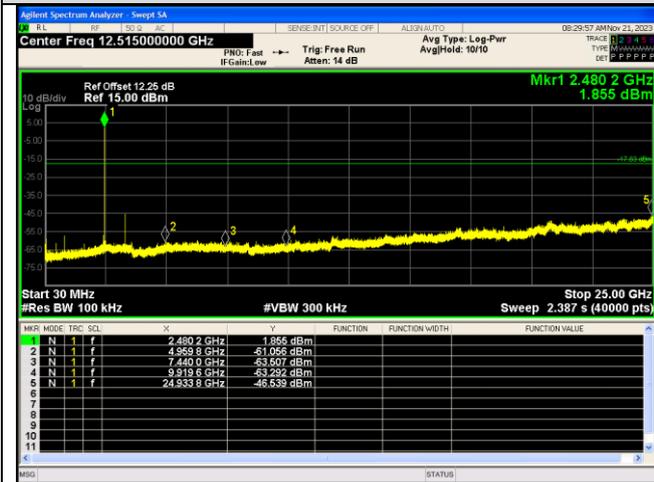
Spurious Emissions
 $\pi/4$ DQPSK_2-DH5_Channel 39



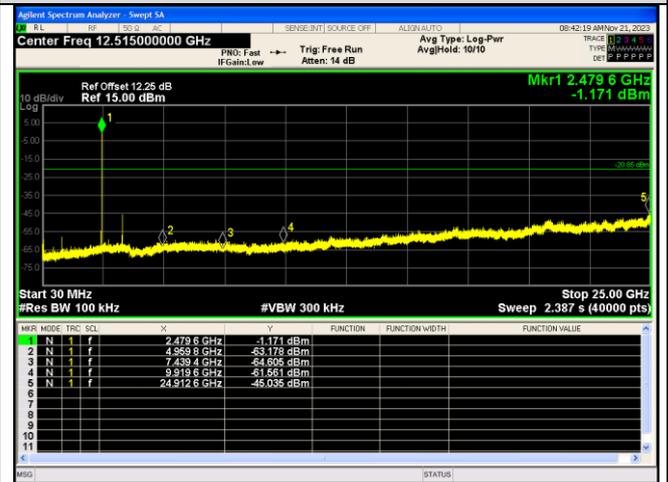
Out Of Band Emission
GFSK_DH5_Channel 78



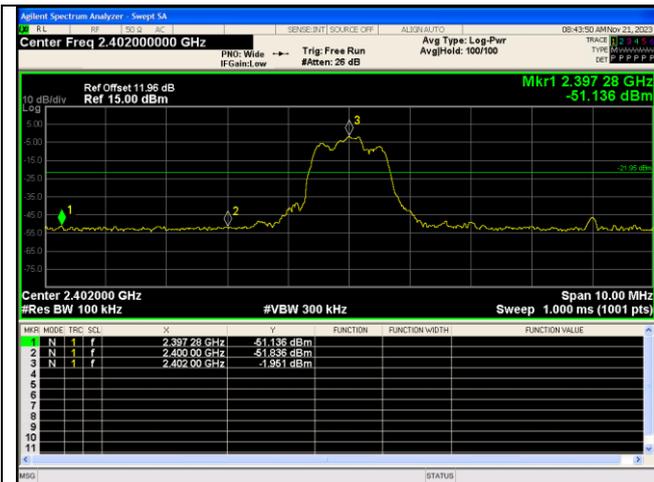
Out Of Band Emission
 $\pi/4$ DQPSK_2-DH5_Channel 78



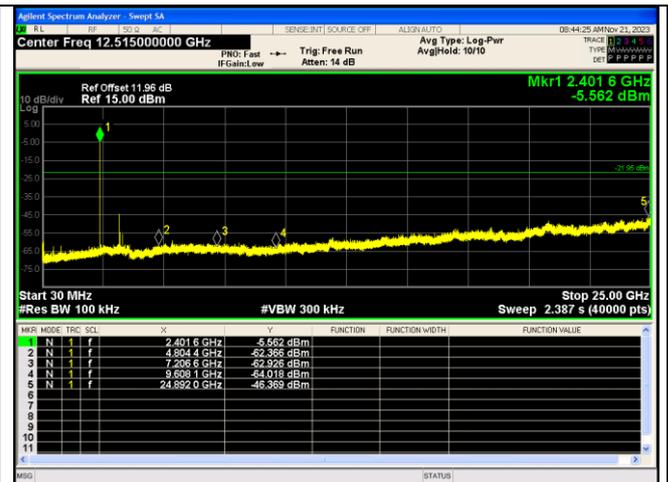
Spurious Emission
GFSK_DH5_Channel 78



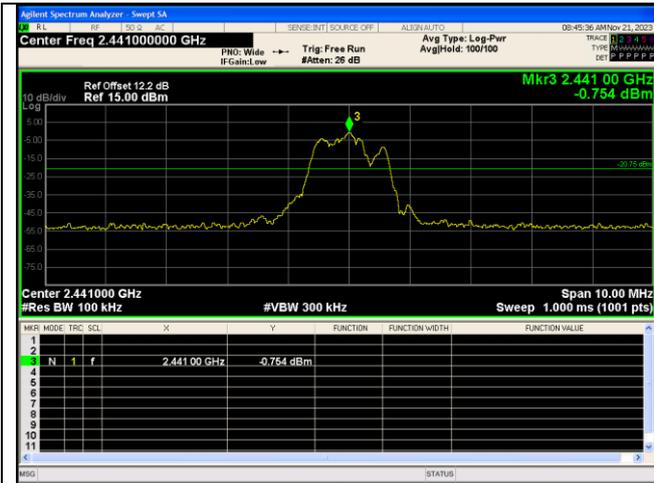
Spurious Emission
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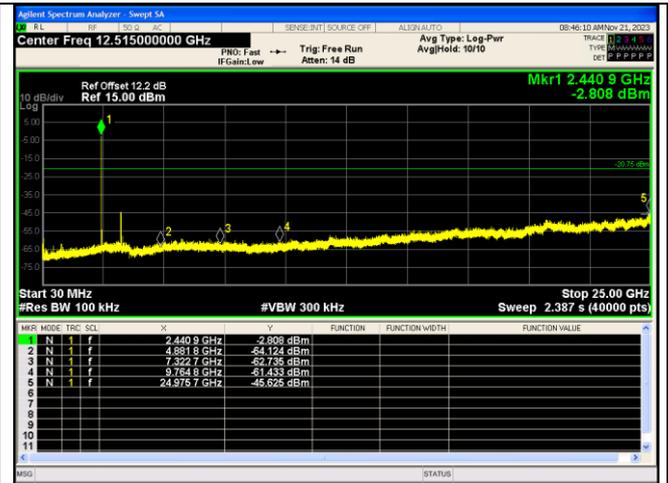
Out Of Band Emission
8DPSK_3-DH5_Channel 0



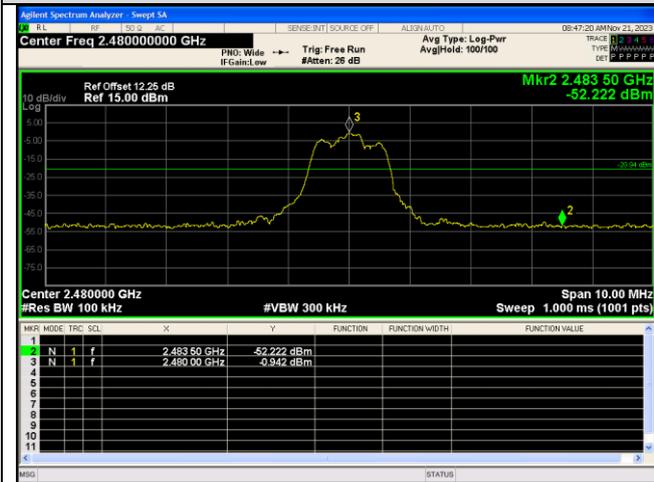
Spurious Emission
8DPSK_3-DH5_Channel 0



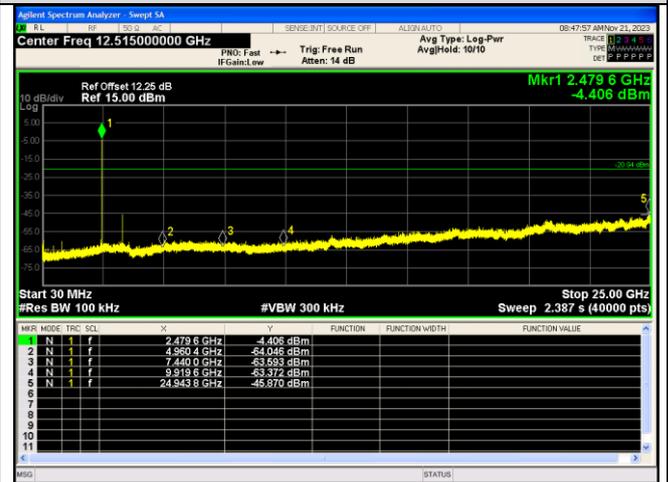
Out Of Band Emission
8DPSK_3-DH5_Channel 39



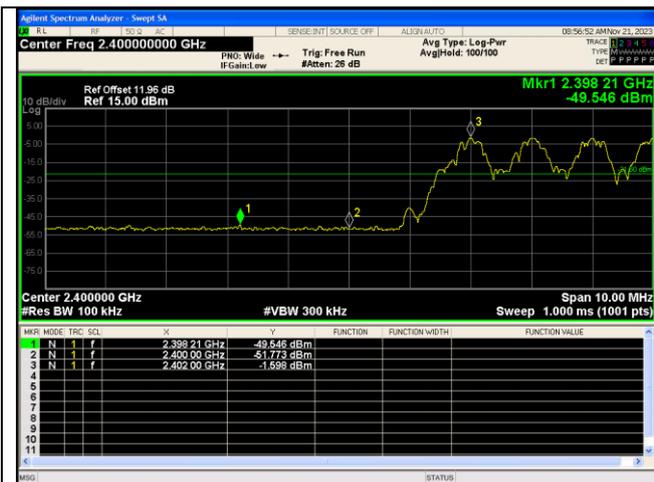
Spurious Emissions
8DPSK_3-DH5_Channel 39



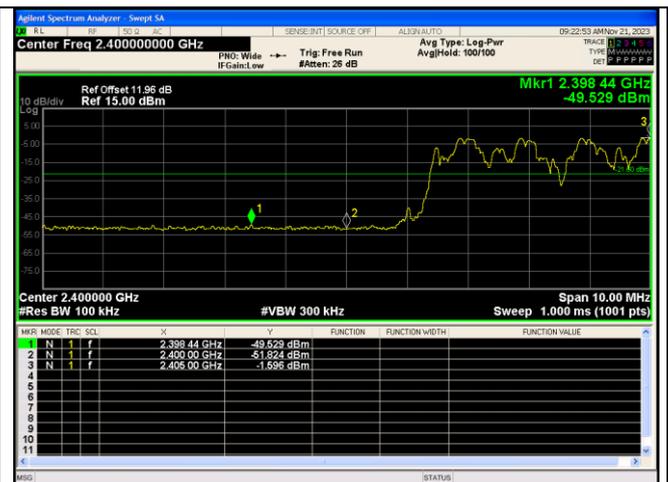
Out Of Band Emission
8DPSK_3-DH5_Channel 78



Spurious Emission
8DPSK_3-DH5_Channel 78



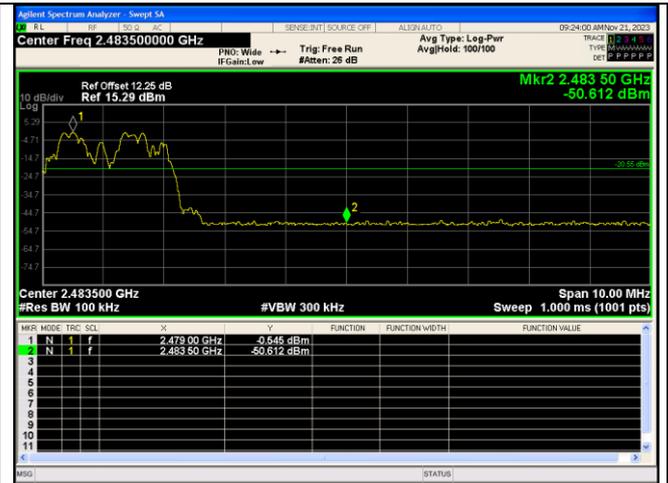
Out Of Band Emission(Left)
GFSK_DH5_Channel Hopping



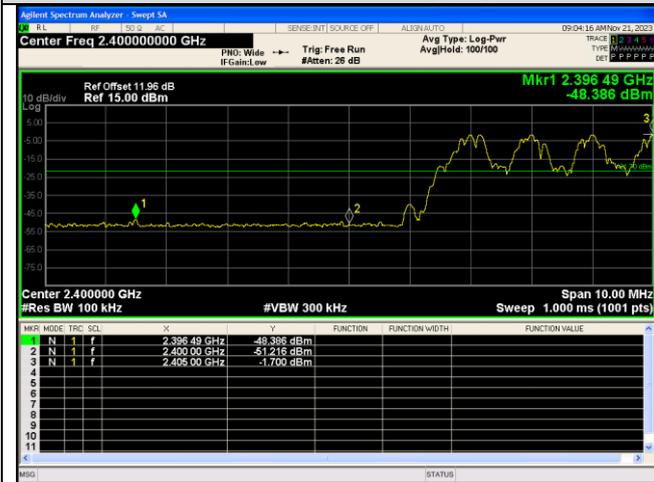
Out Of Band Emission(Left)
 $\pi/4$ DQPSK_2-DH5_Channel Hopping



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)
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