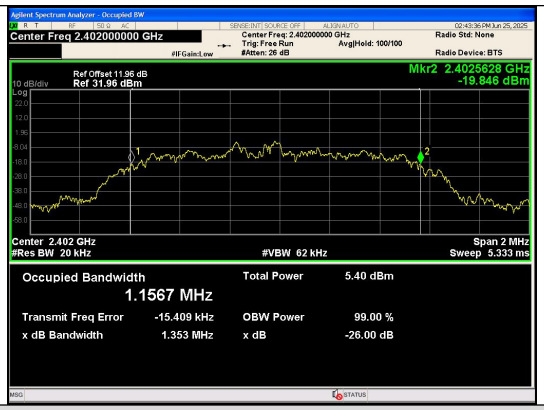
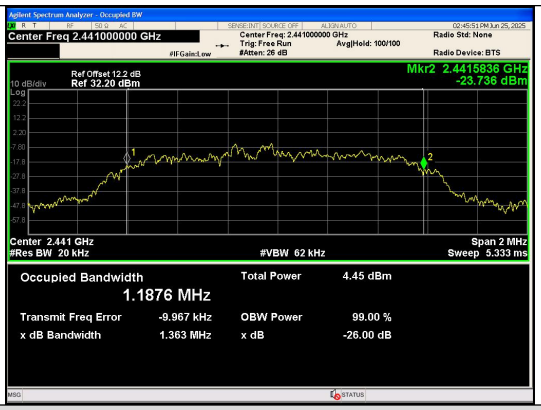
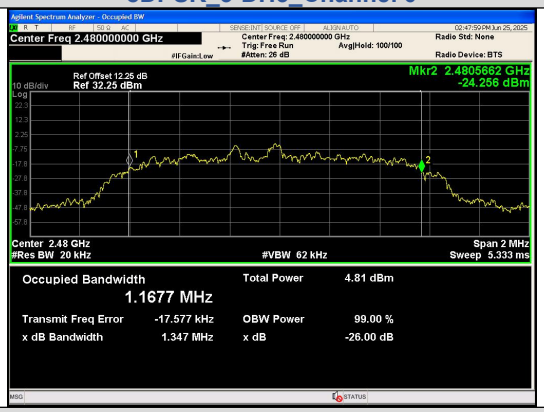


8DPSK_3-DH5_Channel 0



8DPSK_3-DH5_Channel 39



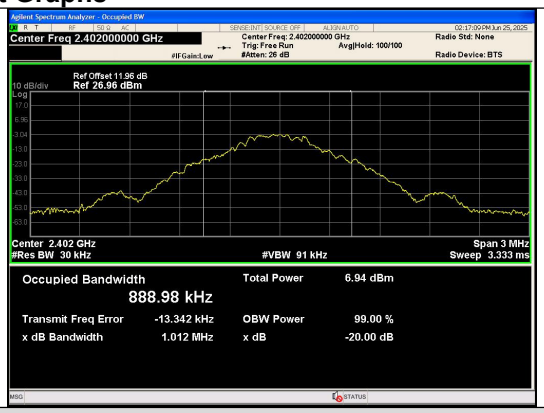
8DPSK_3-DH5_Channel 78

APPENDIX IV. 20dB Bandwidth

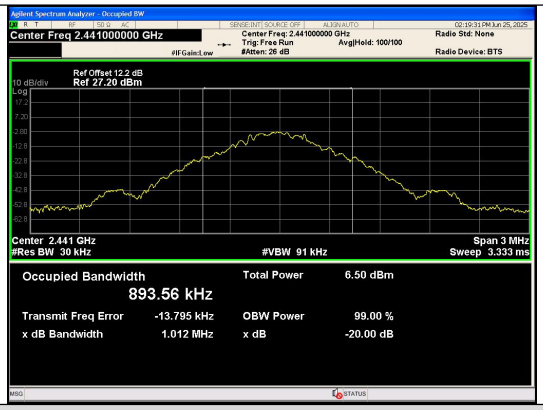
Test Result

Modulation	Channel	Center Frequency (MHz)	20 dB Bandwidth (MHz)
GFSK	0	2402 MHz	1.012
	39	2441 MHz	1.012
	78	2480 MHz	1.018
π/4DQPSK	0	2402 MHz	1.311
	39	2441 MHz	1.287
	78	2480 MHz	1.286
8DPSK	0	2402 MHz	1.286
	39	2441 MHz	1.295
	78	2480 MHz	1.284

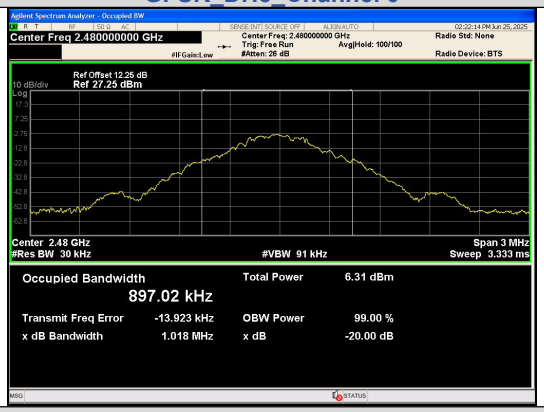
Test Graphs



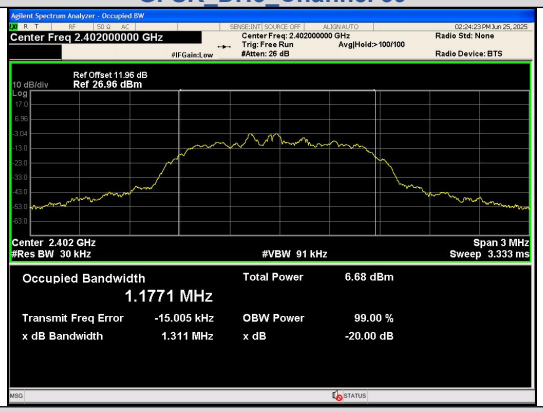
GFSK_DH5_Channel 0



GFSK_DH5_Channel 39

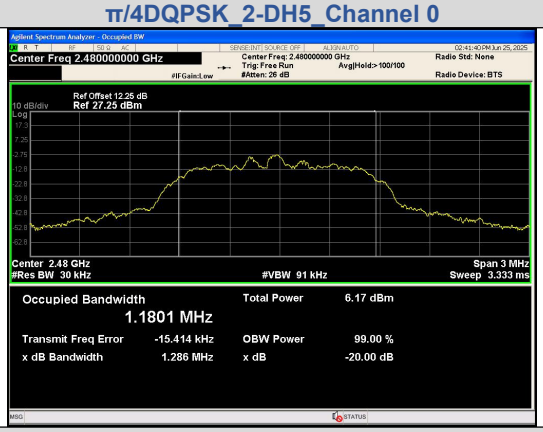


GFSK_DH5_Channel 78

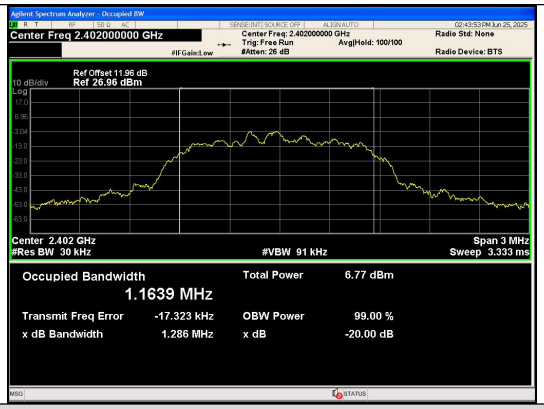


π/4DQPSK_2-DH5_Channel 0

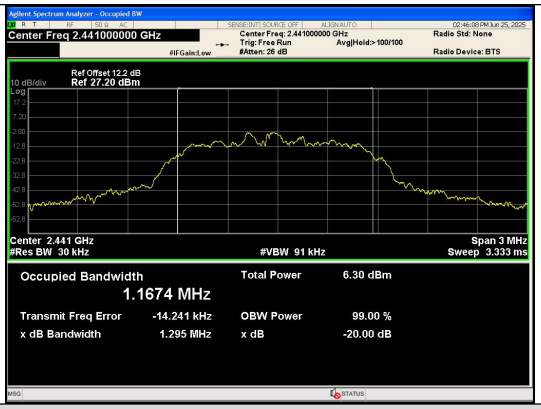
π/4DQPSK_2-DH5_Channel 39



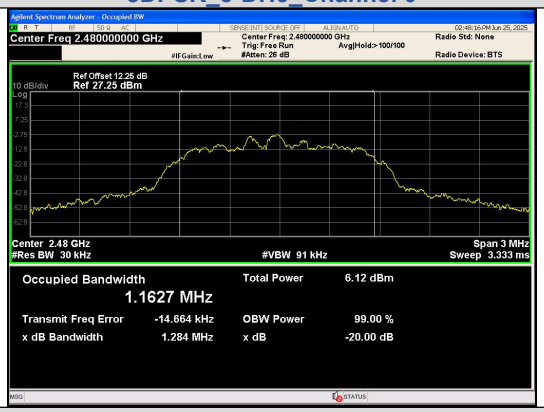
π/4DQPSK_2-DH5_Channel 78



8DPSK_3-DH5_Channel 0



8DPSK_3-DH5_Channel 39



8DPSK_3-DH5_Channel 78

APPENDIX V. Carrier Frequencies Separation

Test Result

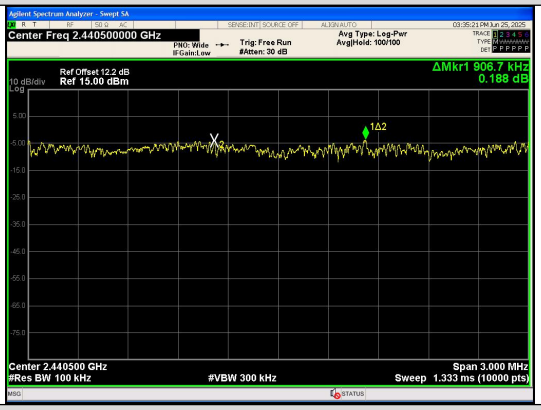
Modulation	Packet	Left Center frequency (MHz)	Right Center frequency (MHz)	Hopping Frequency Separation (MHz)	Limit (MHz)	Result
GFSK	DH5	2439.9691	2440.9757	1.0066	0.679	PASS
GFSK	DH5	2439.8551	2441.0471	1.1920	0.679	PASS
GFSK	DH5	2439.9604	2440.8278	0.8674	0.679	PASS
π/4DQPSK	2-DH5	2440.1158	2441.0225	0.9067	0.874	PASS
π/4DQPSK	2-DH5	2440.0195	2440.9127	0.8932	0.874	PASS
π/4DQPSK	2-DH5	2440.0348	2441.1362	1.1014	0.874	PASS
8DPSK	3-DH5	2439.9463	2440.9829	1.0366	0.863	PASS
8DPSK	3-DH5	2439.8494	2440.8755	1.0261	0.863	PASS
8DPSK	3-DH5	2440.123	2441.1266	1.0036	0.863	PASS

Test Graphs

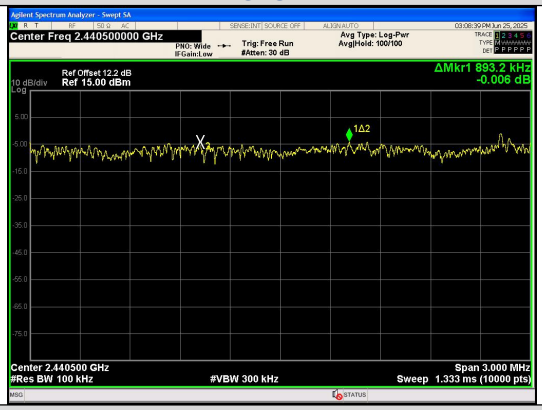
GFSK

GFSK

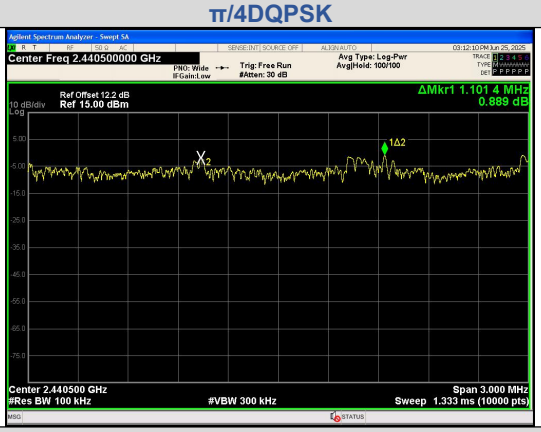
GFSK



π/4DQPSK

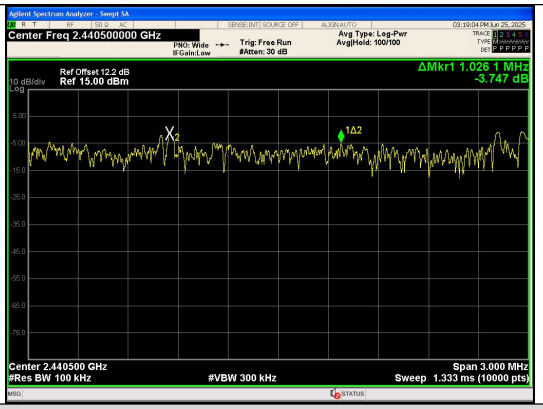


π/4DQPSK



π/4DQPSK

8DPSK



8DPSK

8DPSK

APPENDIX VI. Conducted Out Of Band Emission

Test Result

Non-Hopping

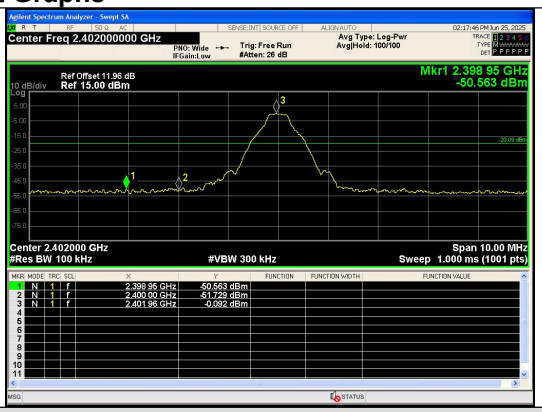
Modulation	Packet	Channel	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result
GFSK	DH5	0	2398.95	-50.563	-20.09	-30.473	PASS
			2400.00	-51.729	-20.09	-31.639	PASS
			4803.60	-45.612	-20.09	-25.522	PASS
			7205.80	-45.976	-20.09	-25.886	PASS
			9607.90	-37.365	-20.09	-17.275	PASS
		39	4881.67	-47.253	-20.67	-26.583	PASS
			7323.11	-47.216	-20.67	-26.546	PASS
			9763.93	-36.951	-20.67	-16.281	PASS
		78	2483.50	-51.816	-20.91	-30.906	PASS
			4960.33	-48.709	-20.91	-27.799	PASS
			7439.85	-45.601	-20.91	-24.691	PASS
			9919.99	-37.580	-20.91	-16.670	PASS
π/4DQPSK	2-DH5	0	2400.00	-48.164	-20.32	-27.844	PASS
			4804.26	-46.296	-20.32	-25.976	PASS
			7205.75	-46.660	-20.32	-26.340	PASS
			9607.87	-36.608	-20.32	-16.288	PASS
		39	4882.30	-50.428	-20.69	-29.738	PASS
			7322.49	-47.916	-20.69	-27.226	PASS
			9763.93	-36.823	-20.69	-16.133	PASS
		78	2483.50	-51.607	-21.08	-30.527	PASS
			4959.70	-50.590	-21.08	-29.510	PASS
			7439.85	-47.341	-21.08	-26.261	PASS
			9919.99	-37.597	-21.08	-16.517	PASS
8DPSK	3-DH5	0	2397.02	-49.880	-19.93	-29.950	PASS
			2400.00	-51.103	-19.93	-31.173	PASS
			4804.30	-48.514	-19.93	-28.584	PASS
			7205.80	-45.140	-19.93	-25.210	PASS
			9607.90	-37.615	-19.93	-17.685	PASS
		39	4881.67	-51.025	-20.52	-30.505	PASS
			7322.49	-51.146	-20.52	-30.626	PASS
			9763.93	-36.896	-20.52	-16.376	PASS
		78	2483.50	-52.028	-20.7	-31.328	PASS
			4959.70	-47.485	-20.7	-26.785	PASS
			7439.85	-50.356	-20.7	-29.656	PASS
			9919.99	-37.504	-20.7	-16.804	PASS

Hopping

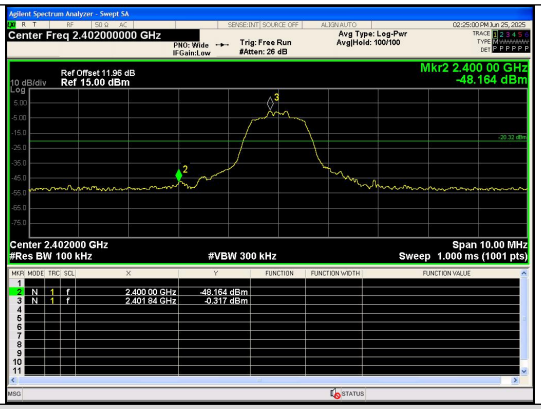
Modulation	Packet	Channel	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result
GFSK	DH5	Hopping	2398.06	-49.821	-20.56	-29.261	PASS
			2400.00	-51.647	-20.56	-31.087	PASS
			2483.50	-51.326	-21.17	-30.156	PASS
			2398.68	-49.792	-20.51	-29.282	PASS
			2400.00	-51.598	-20.51	-31.088	PASS
			2483.50	-51.526	-21.23	-30.296	PASS
			2398.68	-50.293	-20.2	-30.093	PASS
			2400.00	-51.189	-20.2	-30.989	PASS
			2483.50	-51.136	-21.22	-29.916	PASS
π/4DQPSK	2-DH5		2395.31	-49.467	-20.49	-28.977	PASS
			2400.00	-51.117	-20.49	-30.627	PASS
			2483.50	-51.105	-21.08	-30.025	PASS
			2398.15	-50.398	-20.23	-30.168	PASS
			2400.00	-51.853	-20.23	-31.623	PASS
			2483.50	-50.991	-21.11	-29.881	PASS
			2396.25	-49.860	-20.47	-29.390	PASS
			2400.00	-51.732	-20.47	-31.262	PASS
			2483.50	-51.043	-20.86	-30.183	PASS
8DPSK	3-DH5		2398.07	-49.974	-20.96	-29.014	PASS

			2400.00	-51.503	-20.96	-30.543	PASS
			2483.50	-50.827	-20.92	-29.907	PASS
			2398.81	-50.173	-22.4	-27.773	PASS
			2400.00	-51.645	-22.4	-29.245	PASS
			2483.50	-51.395	-20.88	-30.515	PASS
			2396.11	-49.978	-20.32	-29.658	PASS
			2400.00	-51.213	-20.32	-30.893	PASS
			2483.50	-51.232	-20.98	-30.252	PASS

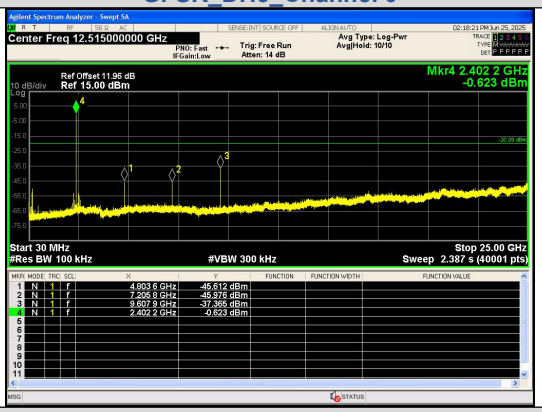
Test Graphs



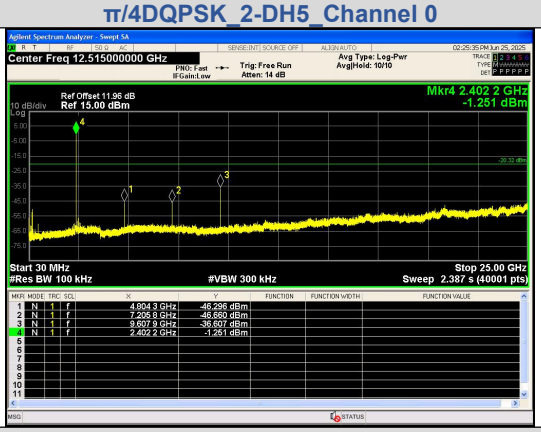
Out Of Band Emission
GFSK_DH5_Channel 0



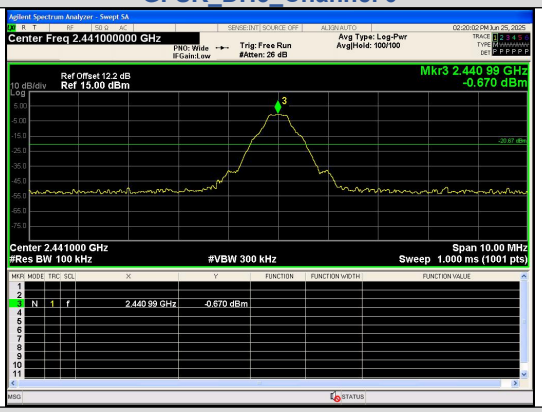
Out Of Band Emission
π/4DQPSK_2-DH5_Channel 0



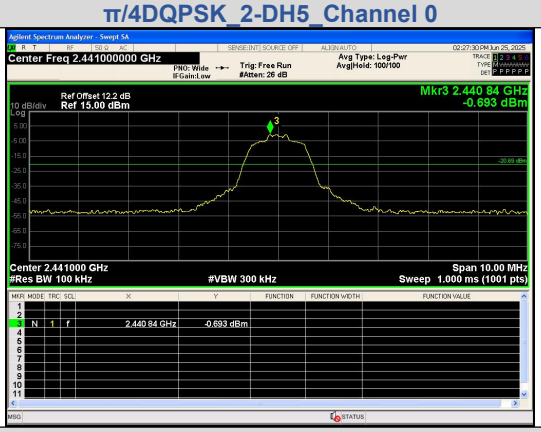
30.0 MHz - 25000.0 MHz
GFSK_DH5_Channel 0



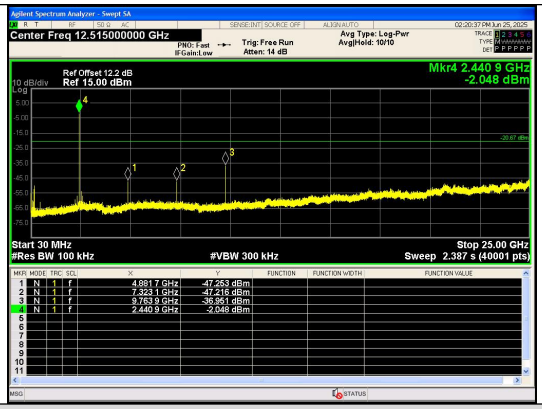
30.0 MHz - 25000.0 MHz
π/4DQPSK_2-DH5_Channel 0



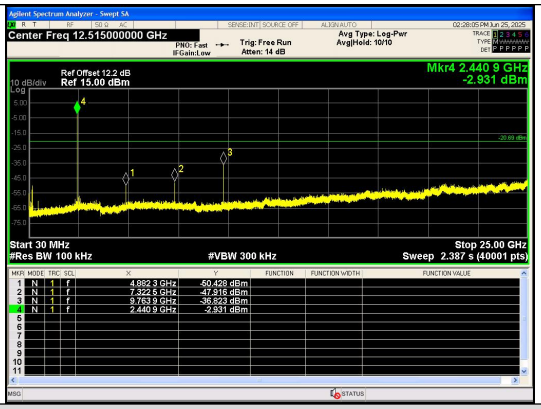
Out Of Band Emission
GFSK_DH5_Channel 39



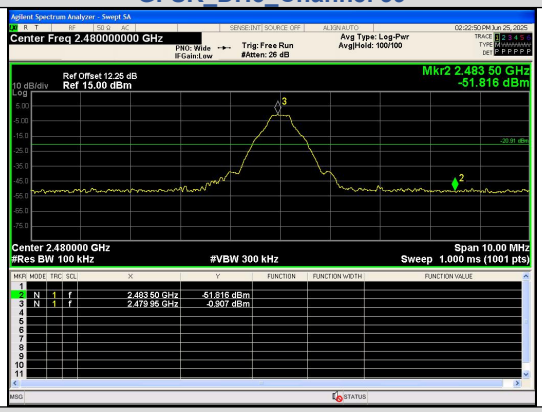
Out Of Band Emission
π/4DQPSK_2-DH5_Channel 39



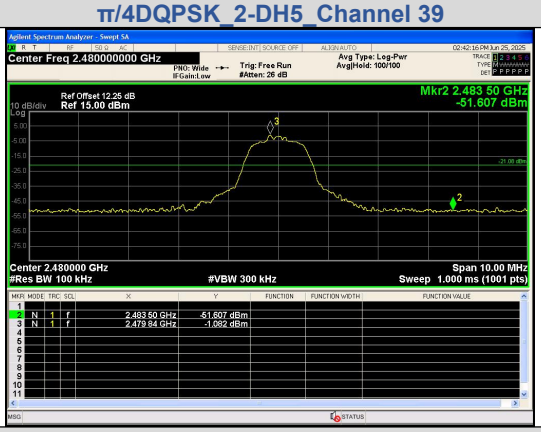
30.0 MHz - 25000.0 MHz
GFSK_DH5_Channel 39



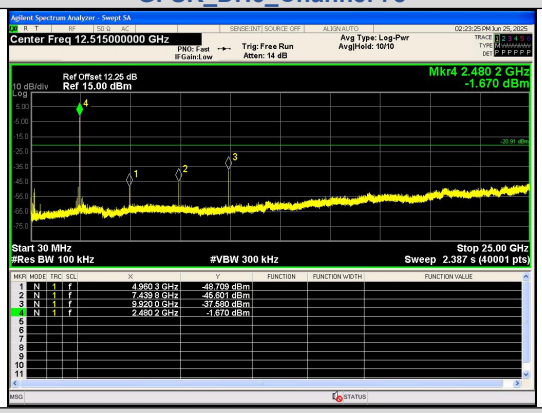
30.0 MHz - 25000.0 MHz
π/4DQPSK_2-DH5_Channel 39



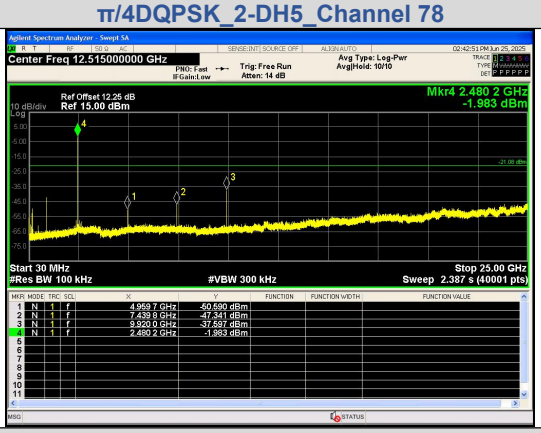
Out Of Band Emission
GFSK_DH5_Channel 78



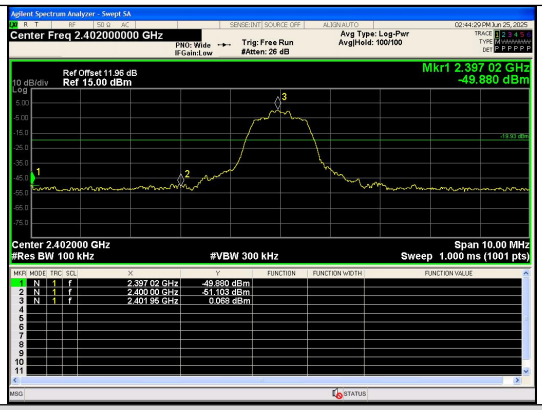
Out Of Band Emission
π/4DQPSK_2-DH5_Channel 78



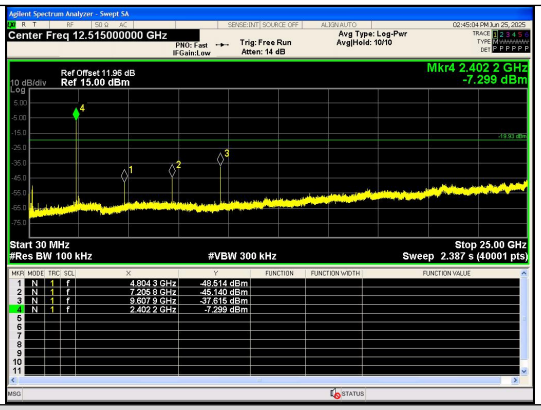
30.0 MHz - 25000.0 MHz
GFSK_DH5_Channel 78



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