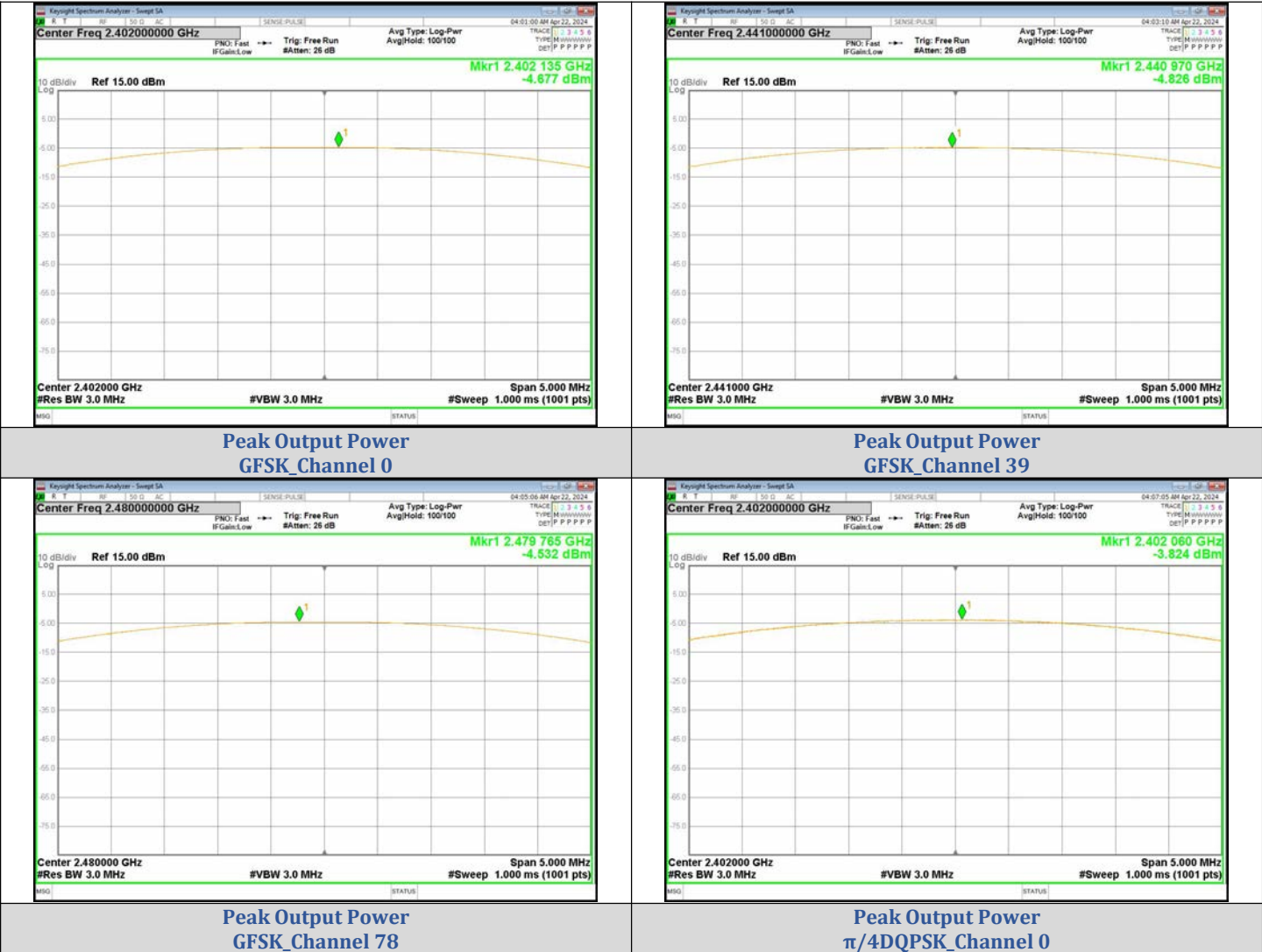




Conducted Peak Output Power
Test Result

Modulation	Packet Type	Channel	Peak Output Power (dBm)	Peak Output Power (mW)	Limit (dBm)	Result
GFSK	DH5	0	-4.677	0.341	30	PASS
		39	-4.826	0.329		PASS
		78	-4.532	0.352		PASS
$\pi/4$ DQPSK	2-DH5	0	-3.824	0.415	20.97	PASS
		39	-3.904	0.407		PASS
		78	-3.570	0.440		PASS
8DPSK	3-DH5	0	-3.468	0.450	20.97	PASS
		39	-3.555	0.441		PASS
		78	-3.267	0.471		PASS

Test Graphs





Peak Output Power
 $\pi/4$ DQPSK_Channel 39



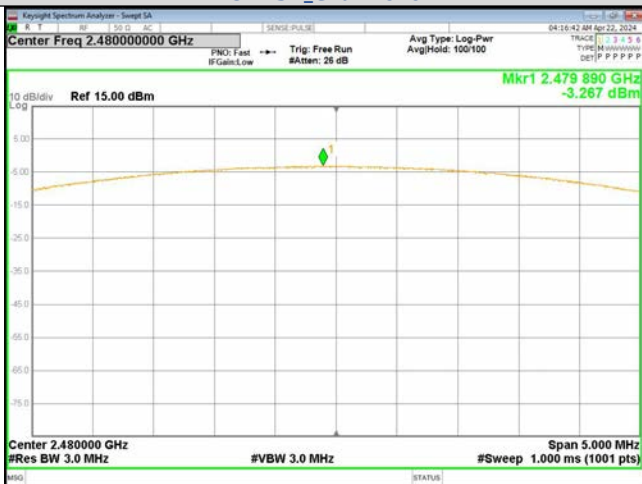
Peak Output Power
 $\pi/4$ DQPSK_Channel 78



Peak Output Power
8DPSK_Channel 0



Peak Output Power
8DPSK_Channel 39



Peak Output Power
8DPSK_Channel 78



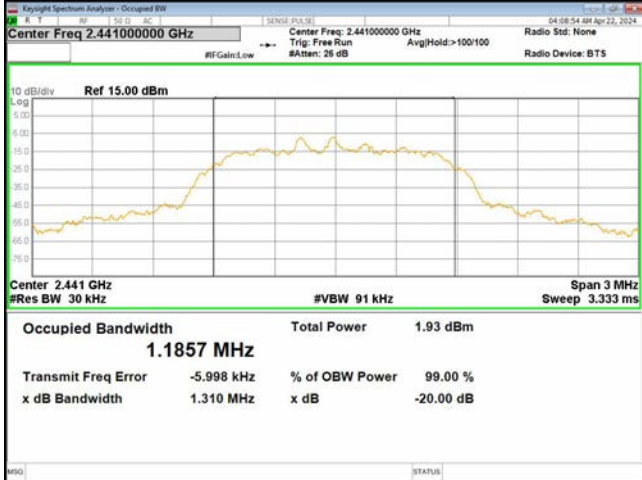
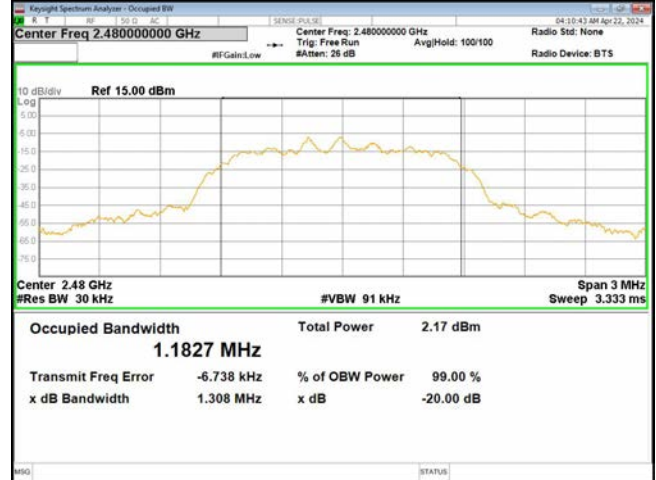
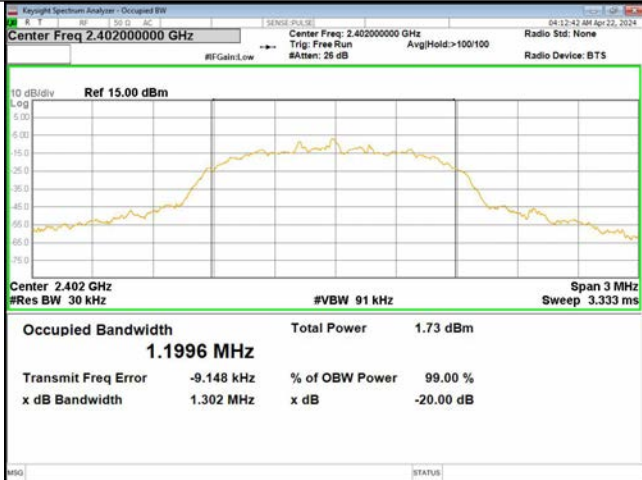
20dB Bandwidth

Test Result

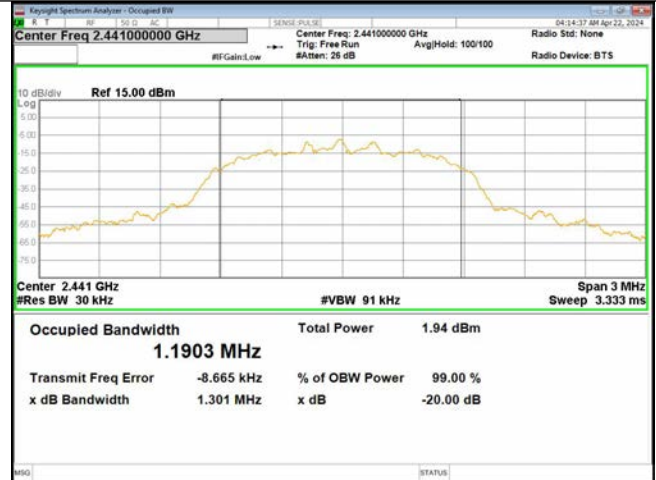
Modulation	Channel	Center Frequency (MHz)	20 dB Bandwidth (MHz)
GFSK	0	2402 MHz	1.011
	39	2441 MHz	1.012
	78	2480 MHz	1.009
$\pi/4$ DQPSK	0	2402 MHz	1.308
	39	2441 MHz	1.310
	78	2480 MHz	1.308
8DPSK	0	2402 MHz	1.302
	39	2441 MHz	1.301
	78	2480 MHz	1.300

Test Graphs



 $\pi/4$ DQPSK 2-DH5_Channel 39 $\pi/4$ DQPSK 2-DH5_Channel 78

8DPSK_3-DH5_Channel 0



8DPSK_3-DH5_Channel 39



8DPSK_3-DH5_Channel 78

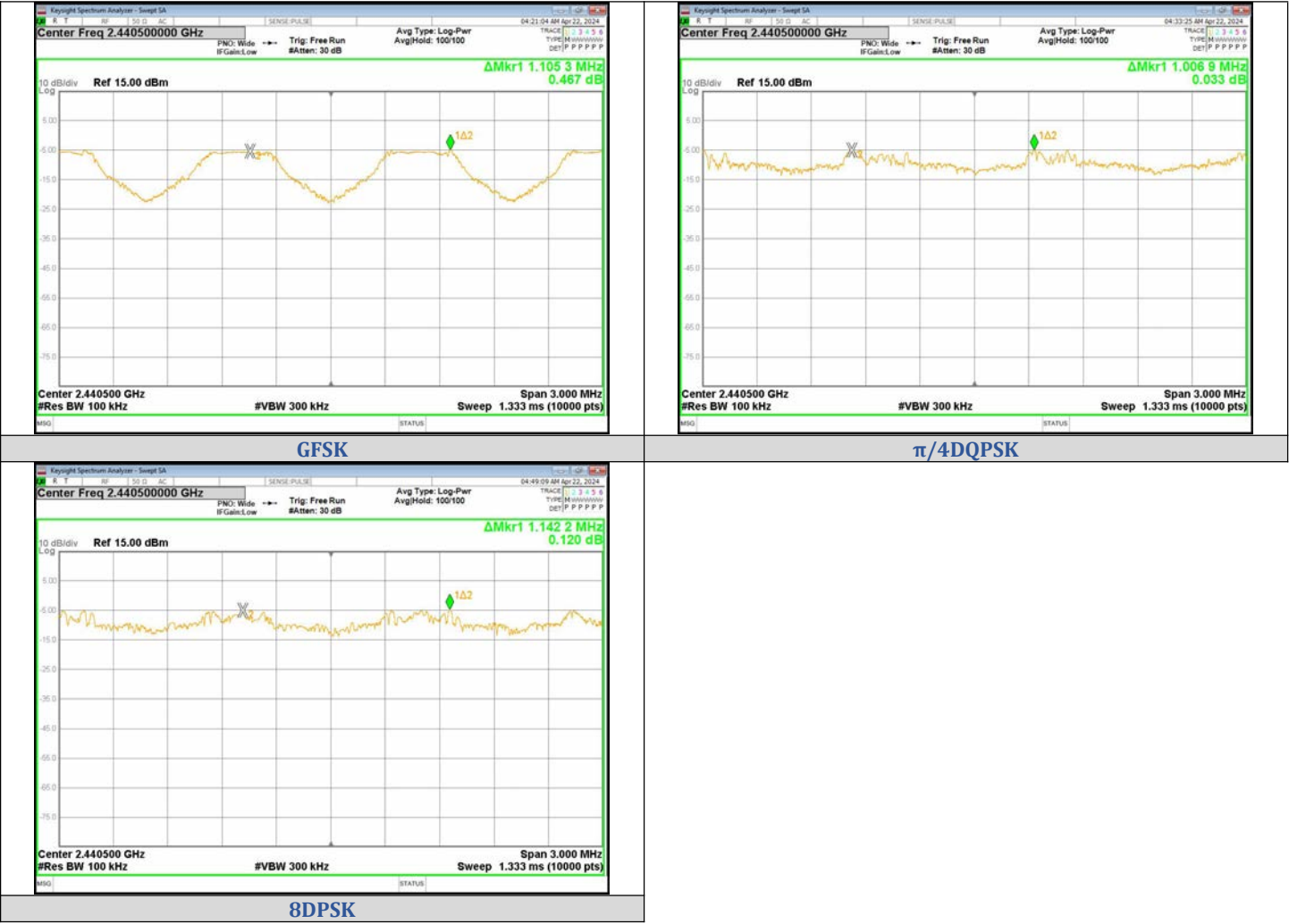


Carrier Frequencies Separation

Test Result

Modulation	Packet	Left Center frequency (MHz)	Right Center frequency (MHz)	Hopping Frequency Separation (MHz)	Limit (MHz)	Result
GFSK	DH5	2440.054	2441.1593	1.1053	0.673	PASS
$\pi/4$ DQPSK	2-DH5	2439.8233	2440.8302	1.0069	0.872	PASS
8DPSK	3-DH5	2440.0135	2441.1557	1.1422	0.867	PASS

Test Graphs





Conducted Out Of Band Emission

Test Result

Non-Hopping

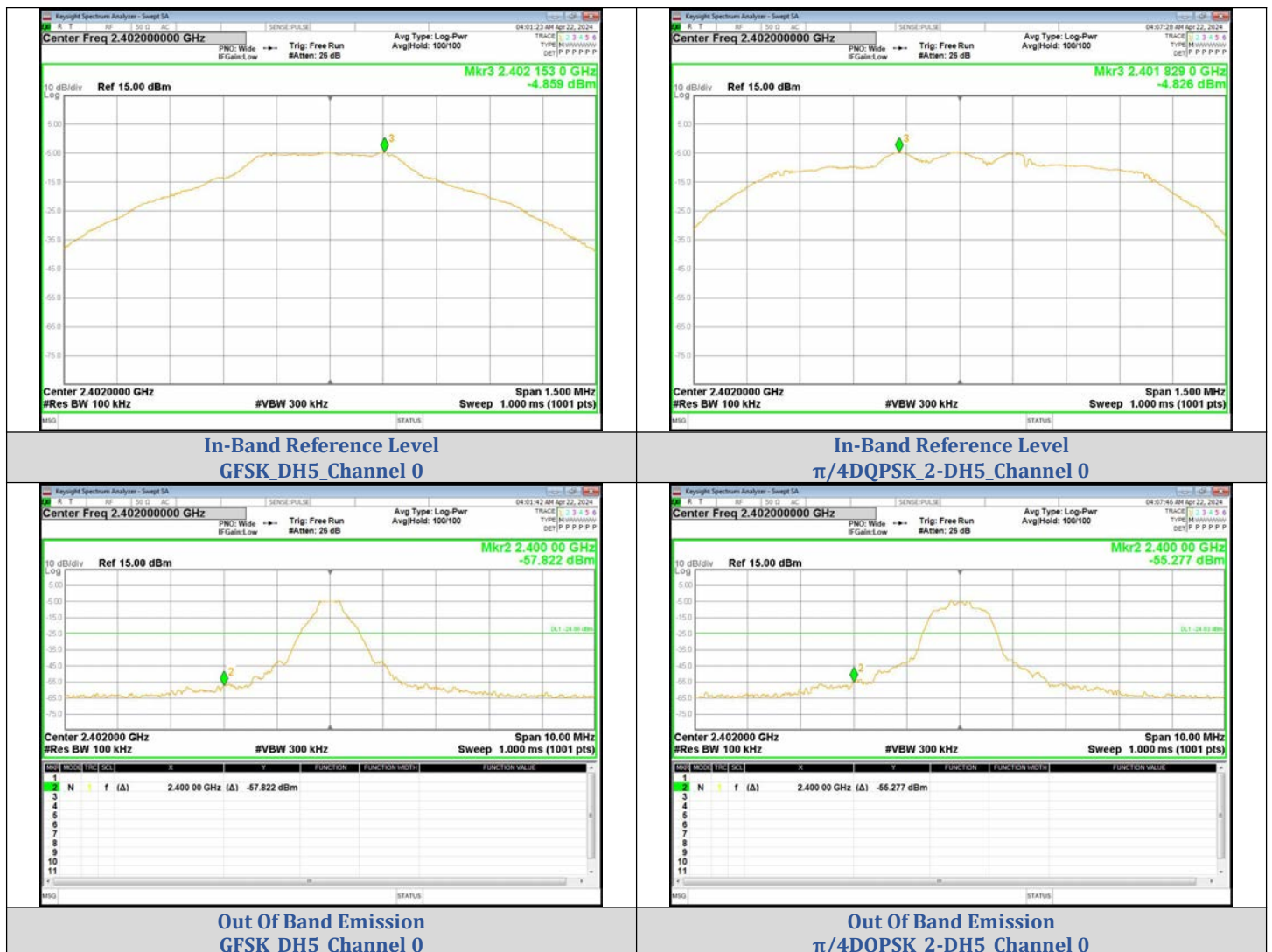
Modulation	Packet	Channel	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result
GFSK	DH5	0	2400.00	-57.822	-24.86	-32.962	PASS
			4803.76	-58.627	-24.86	-33.767	PASS
			7205.93	-56.445	-24.86	-31.585	PASS
			9608.11	-45.477	-24.86	-20.617	PASS
			24897.6	-50.679	-24.86	-25.819	PASS
		39	4881.79	-57.707	-25.0	-32.707	PASS
			7322.67	-54.998	-25.0	-29.998	PASS
			9764.17	-48.889	-25.0	-23.889	PASS
			24479.4	-50.812	-25.0	-25.812	PASS
		78	2483.50	-62.167	-24.69	-37.477	PASS
			4959.83	-58.561	-24.69	-33.871	PASS
			7440.03	-57.078	-24.69	-32.388	PASS
			9920.24	-47.163	-24.69	-22.473	PASS
			24946.9	-49.921	-24.69	-25.231	PASS
$\pi/4$ DQPSK	2-DH5	0	2400.00	-55.277	-24.83	-30.447	PASS
			4803.76	-57.705	-24.83	-32.875	PASS
			7205.93	-57.318	-24.83	-32.488	PASS
			9608.11	-45.145	-24.83	-20.315	PASS
			24972.5	-50.884	-24.83	-26.054	PASS
		39	4881.79	-59.016	-24.94	-34.076	PASS
			7323.30	-57.197	-24.94	-32.257	PASS
			9764.17	-48.388	-24.94	-23.448	PASS
			24890.8	-50.198	-24.94	-25.258	PASS
		78	2483.50	-63.137	-24.63	-38.507	PASS
			4959.83	-57.754	-24.63	-33.124	PASS
			7440.03	-57.763	-24.63	-33.133	PASS
			9920.24	-46.819	-24.63	-22.189	PASS
			24870.2	-50.556	-24.63	-25.926	PASS
8DPSK	3-DH5	0	2400.00	-54.608	-24.88	-29.728	PASS
			4803.76	-58.881	-24.88	-34.001	PASS
			7205.31	-58.609	-24.88	-33.729	PASS
			9608.11	-45.052	-24.88	-20.172	PASS
			24868.3	-50.208	-24.88	-25.328	PASS
		39	4881.79	-58.861	-24.94	-33.921	PASS
			7323.30	-58.309	-24.94	-33.369	PASS
			9764.17	-48.422	-24.94	-23.482	PASS
			24597.3	-50.947	-24.94	-26.007	PASS
		78	2483.50	-62.657	-24.67	-37.987	PASS
			4959.83	-56.961	-24.67	-32.291	PASS
			7440.03	-58.133	-24.67	-33.462	PASS
			9920.24	-47.047	-24.67	-22.377	PASS
			24804.6	-50.234	-24.67	-25.564	PASS

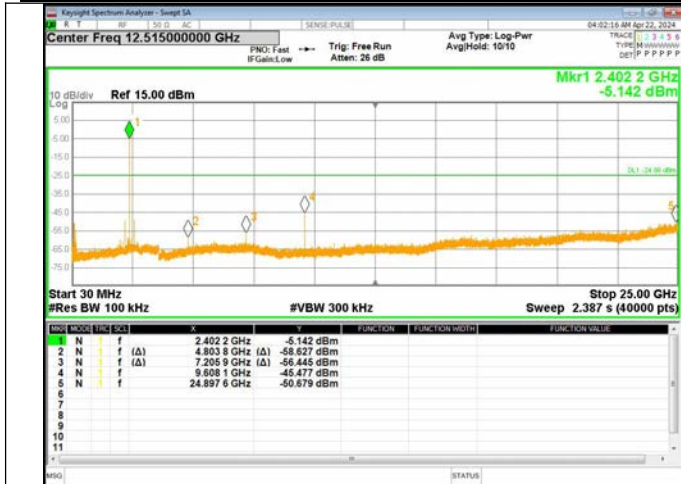


Hopping

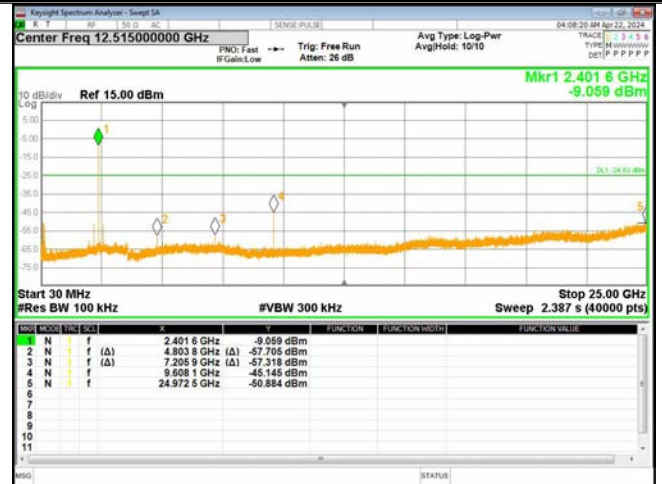
Modulation	Packet	Channel	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result
GFSK	DH5	Hopping	2398.93	-58.465	-24.79	-33.675	PASS
			2400.00	-60.986	-24.79	-36.196	PASS
			2483.50	-61.776	-24.56	-37.216	PASS
$\pi/4$ DQPSK	2-DH5		2398.95	-59.585	-24.8	-34.785	PASS
			2400.00	-61.106	-24.8	-36.306	PASS
			2483.50	-62.040	-24.61	-37.430	PASS
8DPSK	3-DH5		2397.99	-59.745	-24.79	-34.955	PASS
			2400.00	-60.065	-24.79	-35.275	PASS
			2483.50	-61.167	-24.66	-36.507	PASS

Test Graphs





Spurious Emission
GFSK_DH5_Channel 0



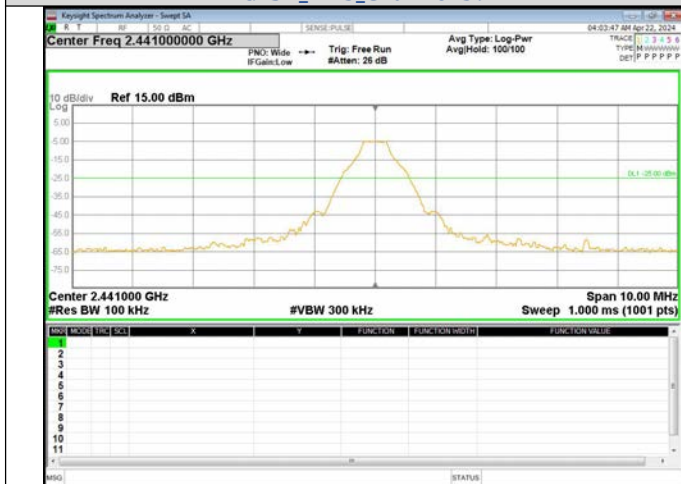
Spurious Emission
 $\pi/4$ DQPSK_2-DH5_Channel 0



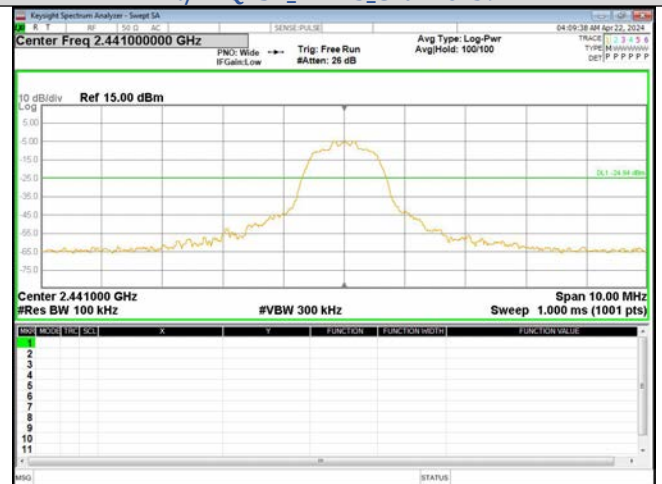
In-Band Reference Level
GFSK_DH5_Channel 39



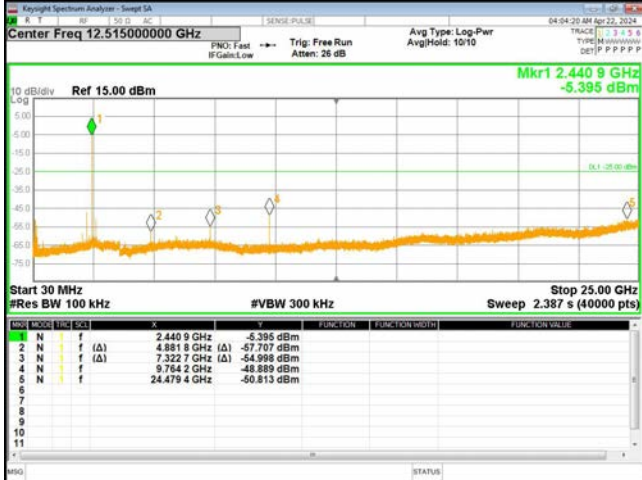
In-Band Reference Level
 $\pi/4$ DQPSK_2-DH5_Channel 39



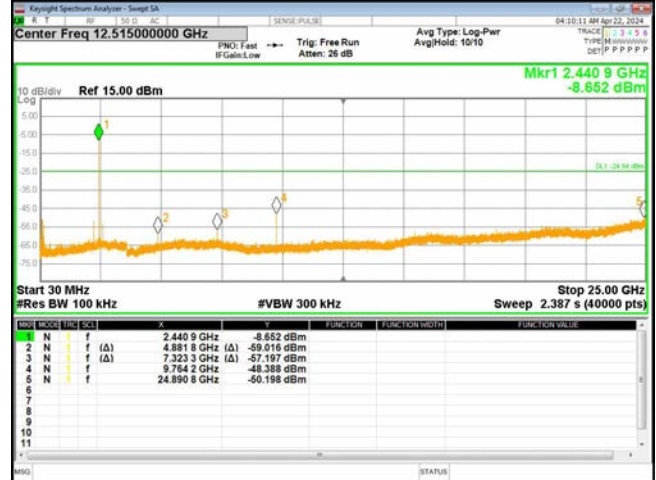
Out Of Band Emission
GFSK_DH5_Channel 39



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



Spurious Emissions
GFSK_DH5_Channel 39



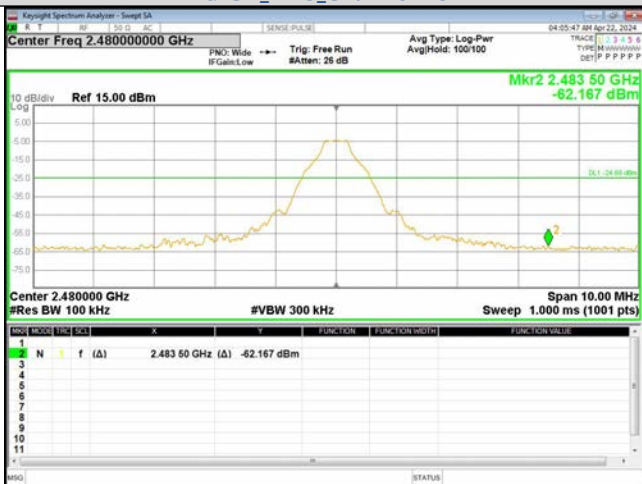
Spurious Emissions
 $\pi/4$ DQPSK_2-DH5_Channel 39



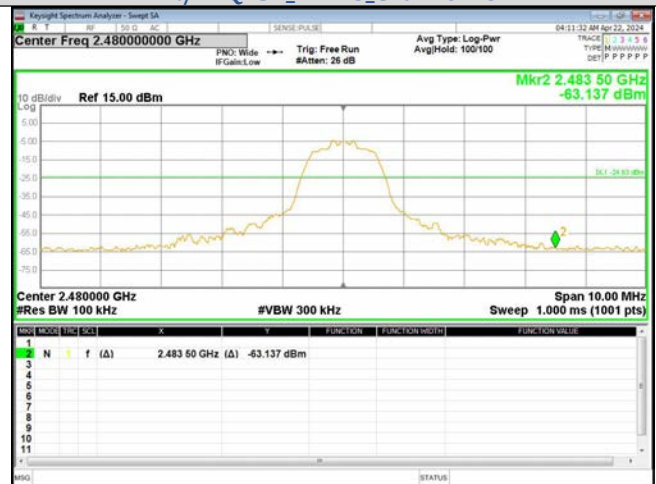
In-Band Reference Level
GFSK_DH5_Channel 78



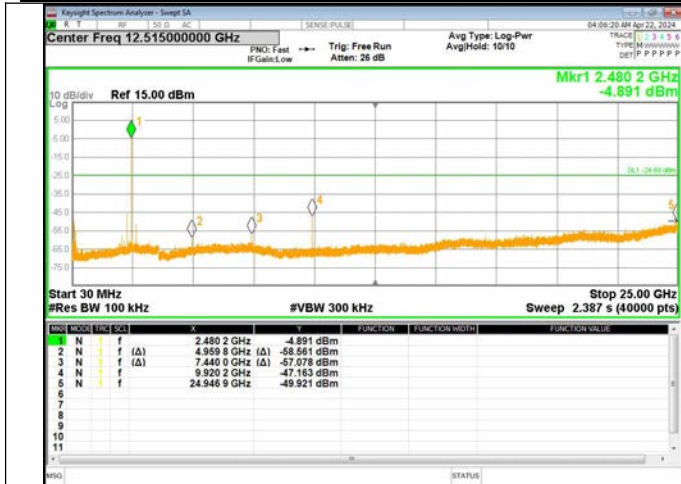
In-Band Reference Level
 $\pi/4$ DQPSK_2-DH5_Channel 78



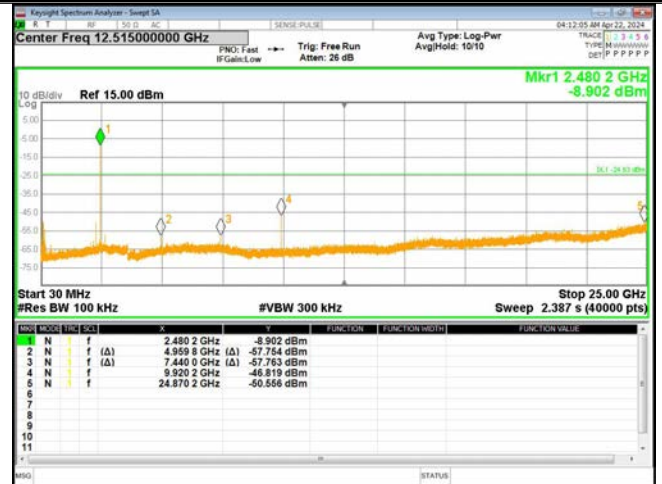
Out Of Band Emission
GFSK_DH5_Channel 78



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



Spurious Emission
GFSK_DH5_Channel 78



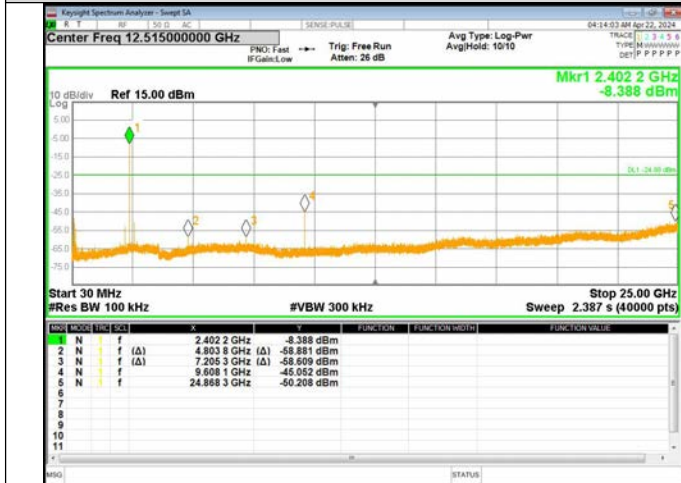
Spurious Emission
 $\pi/4$ DQPSK_2-DH5_Channel 78



In-Band Reference Level
8DPSK_3-DH5_Channel 0



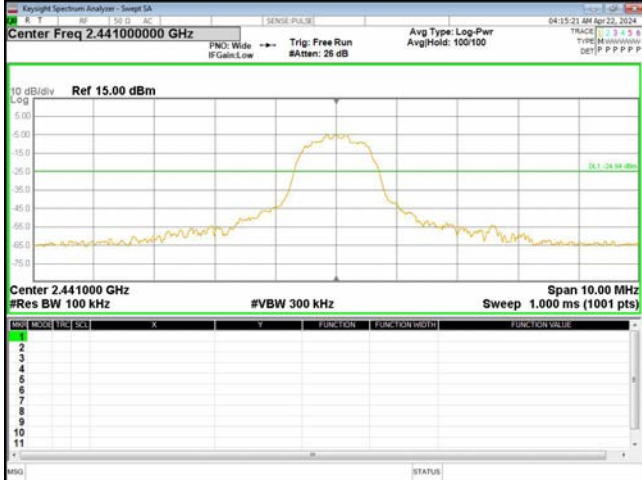
Out Of Band Emission
8DPSK_3-DH5_Channel 0



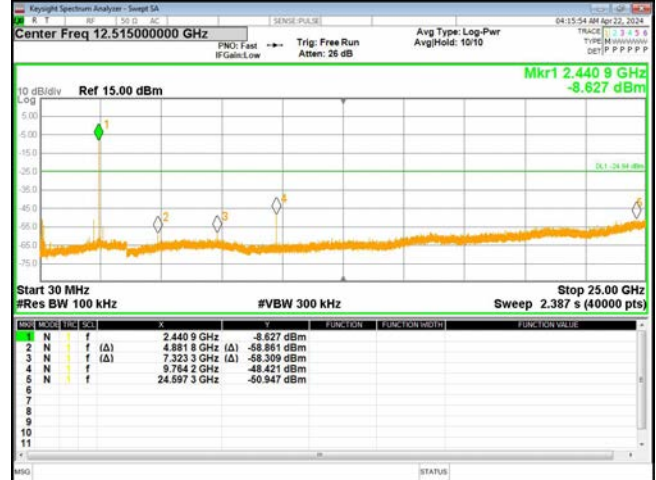
Spurious Emission
8DPSK_3-DH5_Channel 0



In-Band Reference Level
8DPSK_3-DH5_Channel 39



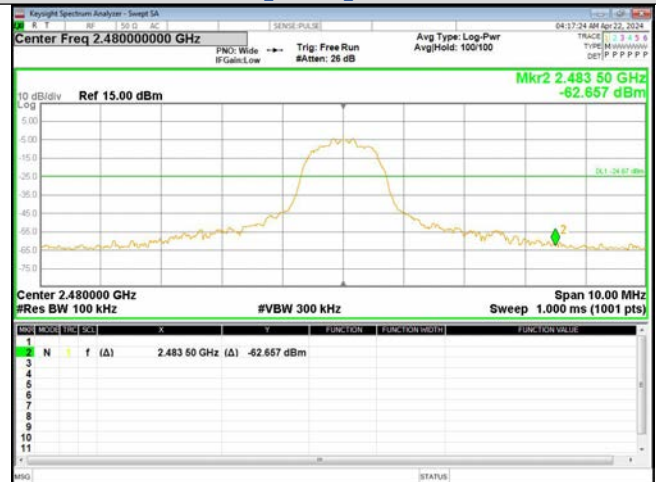
Out Of Band Emission
8DPSK_3-DH5_Channel 39



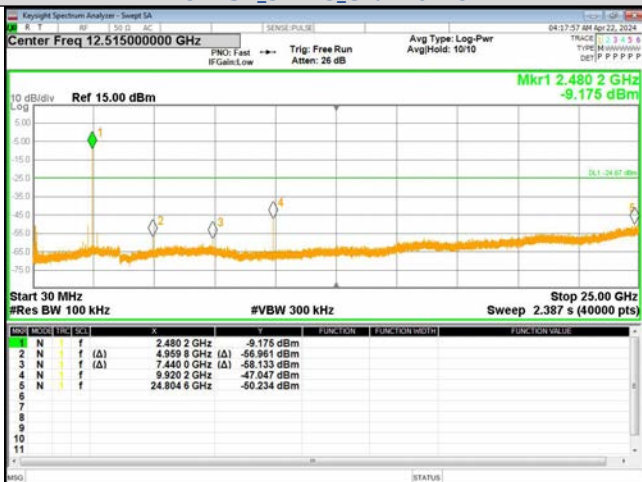
Spurious Emissions
8DPSK_3-DH5_Channel 39



In-Band Reference Level
8DPSK_3-DH5_Channel 78



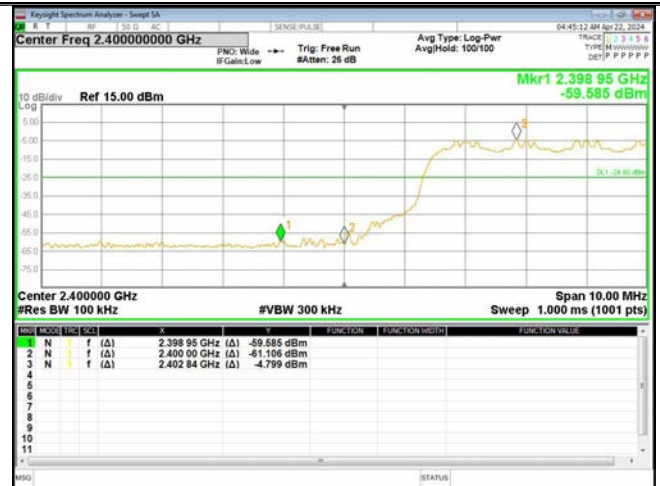
Out Of Band Emission
8DPSK_3-DH5_Channel 78



Spurious Emission
8DPSK_3-DH5_Channel 78



Out Of Band Emission(Left)
GFSK_DH5_Channel Hopping



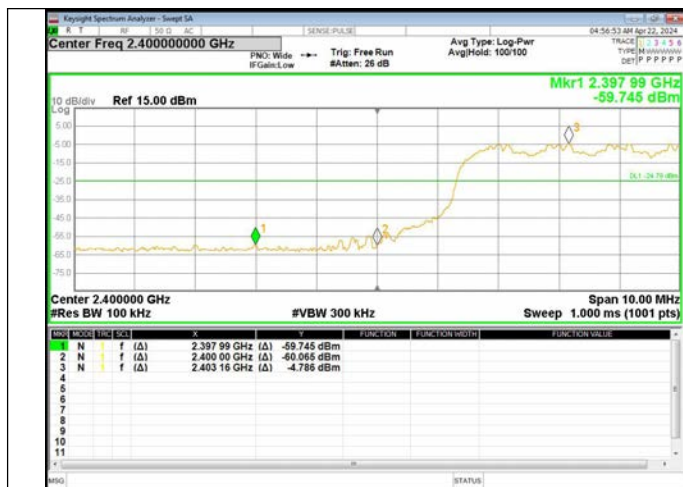
Out Of Band Emission(Left)
 $\pi/4$ DQPSK_2-DH5_Channel Hopping



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)
8DPSK_3-DH5_Channel Hopping



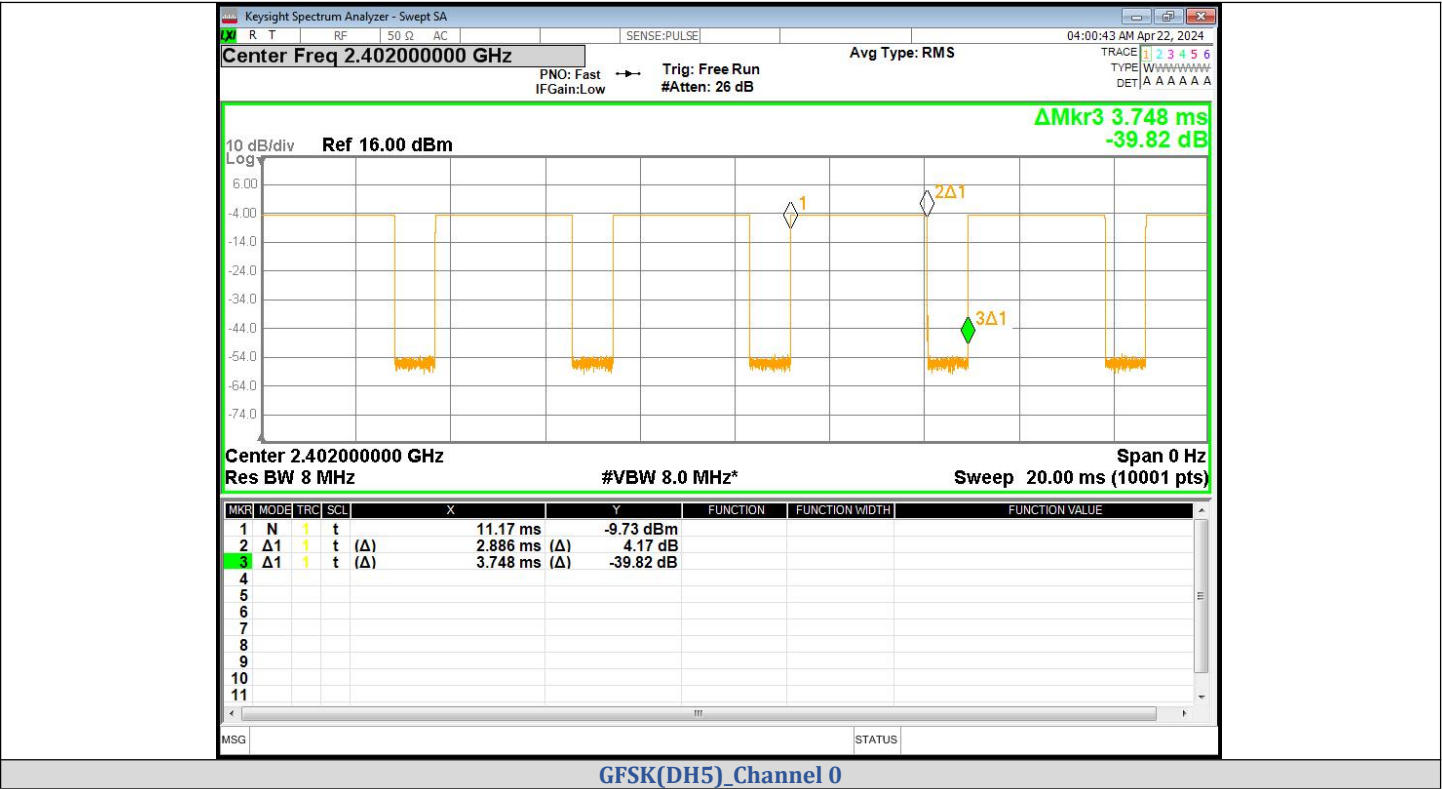
Out Of Band Emission(Right)
8DPSK_3-DH5_Channel Hopping

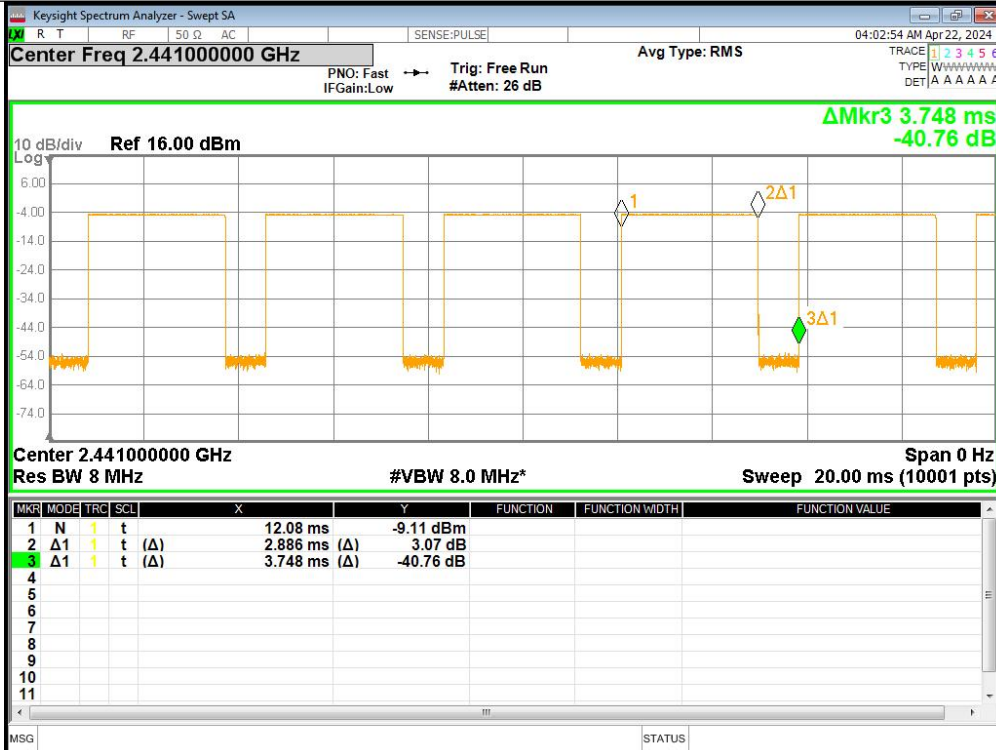


Duty Cycle
Test Result

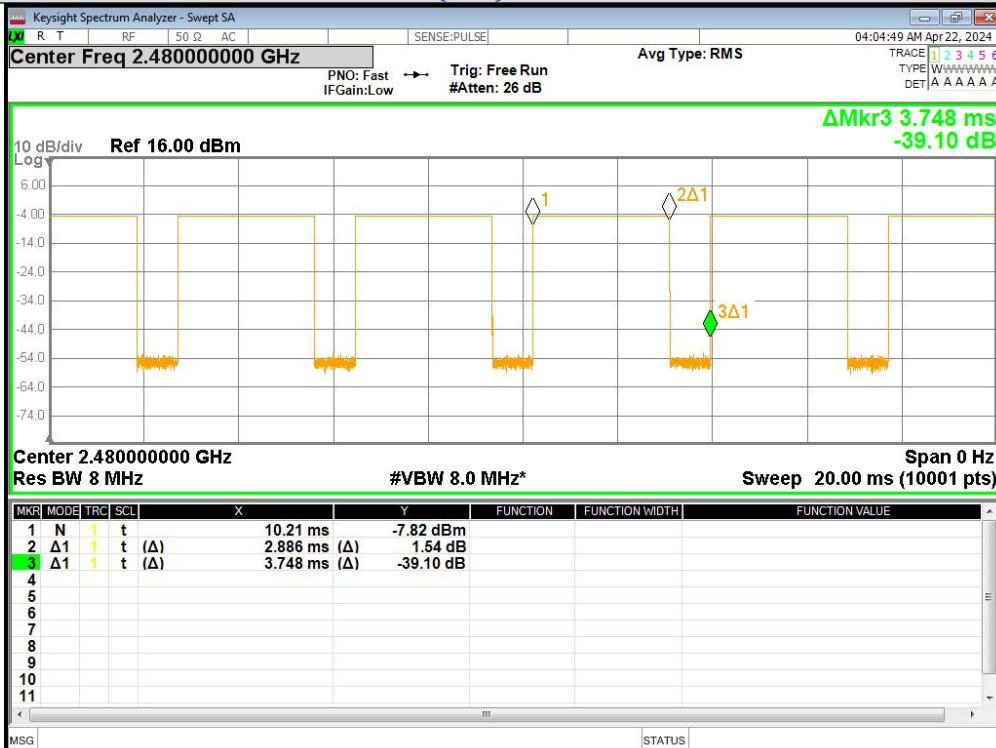
Modulation	Packets	Channel	On Time (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle (linear)	Duty Cycle Factor (dB)
GFSK	DH5	0	2.886	3.748	77.00	0.7700	1.1351
		39	2.886	3.748	77.00	0.7700	1.1351
		78	2.886	3.748	77.00	0.7700	1.1351
$\pi/4$ DQPSK	2-DH5	0	2.892	3.748	77.16	0.7716	1.1261
		39	2.890	3.748	77.11	0.7711	1.1289
		78	2.890	3.748	77.11	0.7711	1.1289
8DPSK	3-DH5	0	2.894	3.748	77.21	0.7721	1.1233
		39	2.892	3.748	77.16	0.7716	1.1261
		78	2.894	3.748	77.21	0.7721	1.1233

Test Graphs

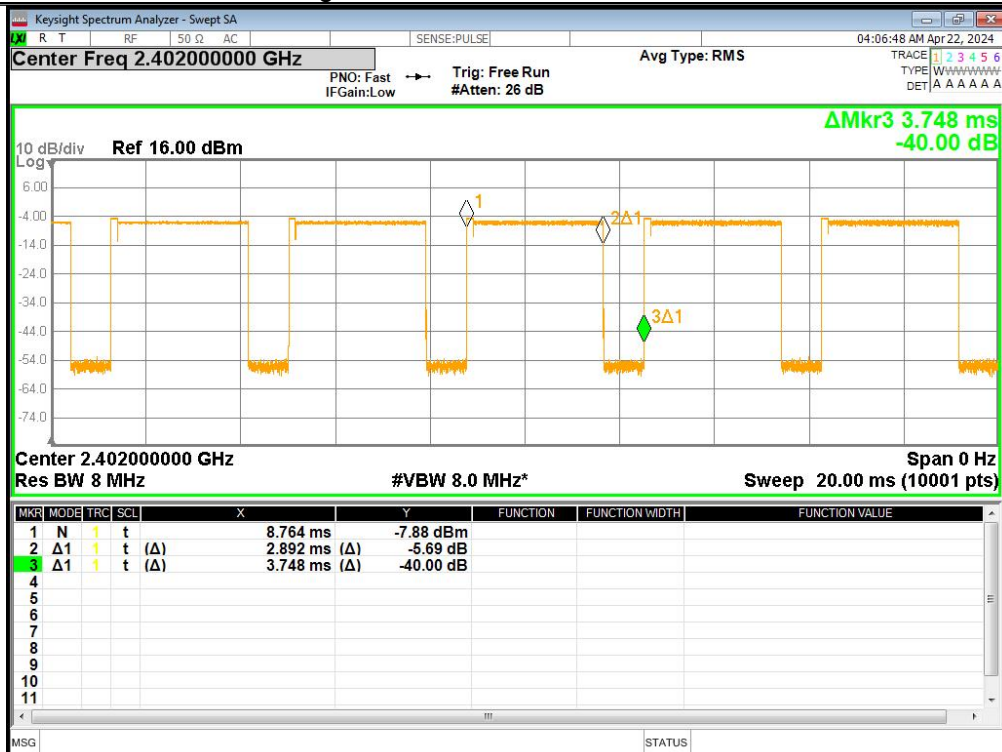




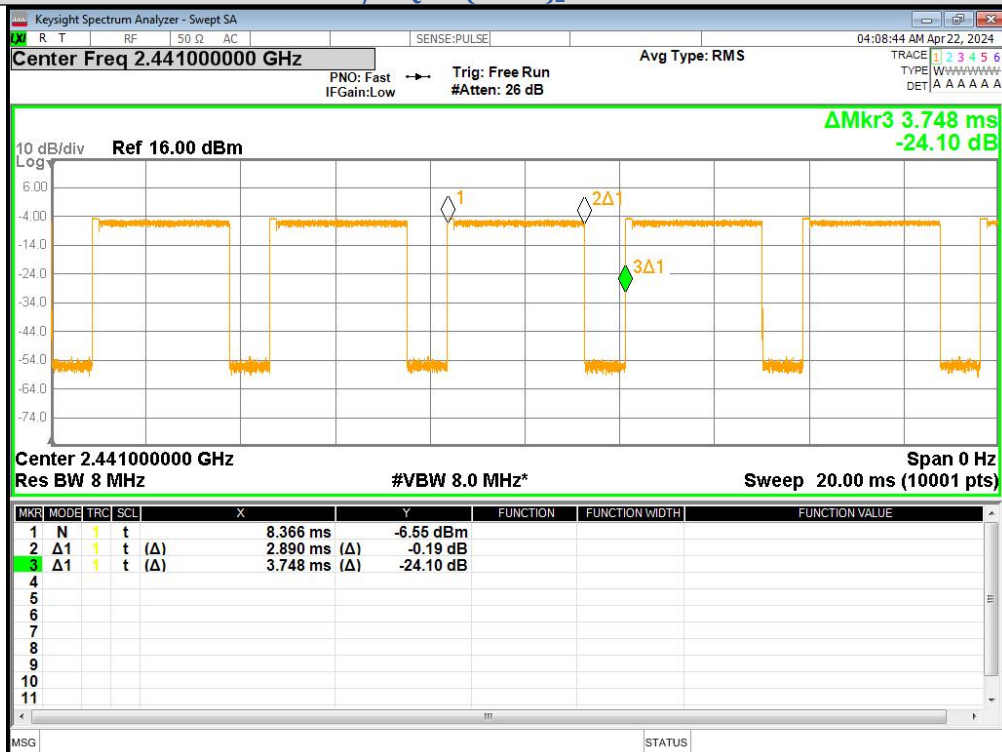
GFSK(DH5)_Channel 39



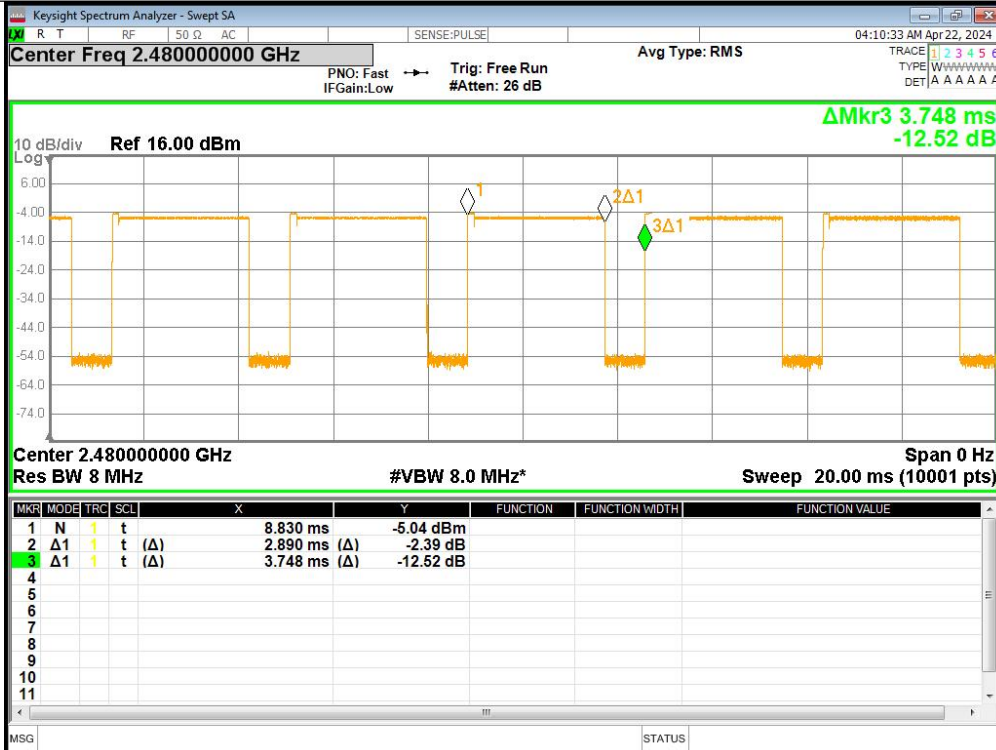
GFSK(DH5)_Channel 78



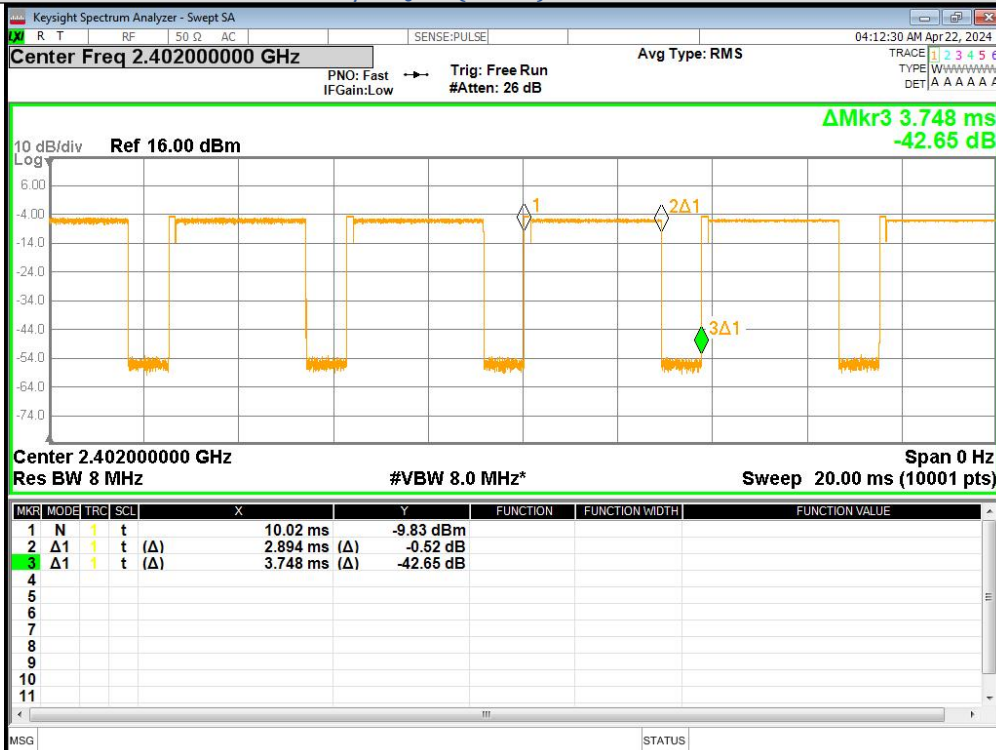
$\pi/4$ DQPSK(2-DH5)_Channel 0



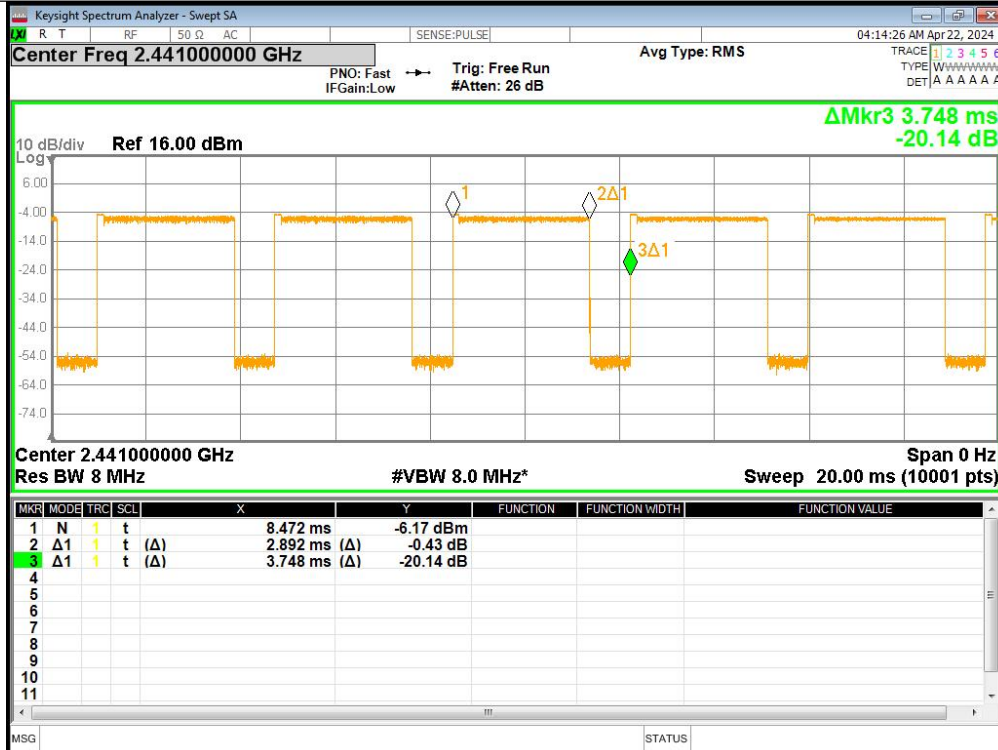
$\pi/4$ DQPSK(2-DH5)_Channel 39



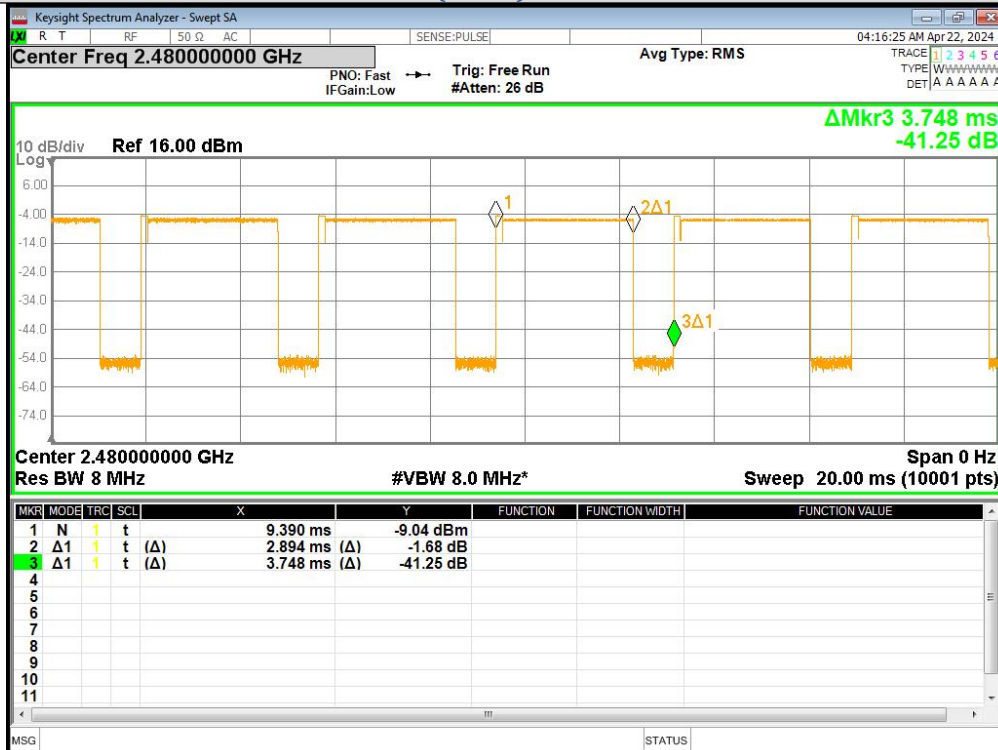
$\pi/4$ DQPSK(2-DH5)_Channel 78



8DPSK(3-DH5)_Channel 0



8DPSK(3-DH5)_Channel 39



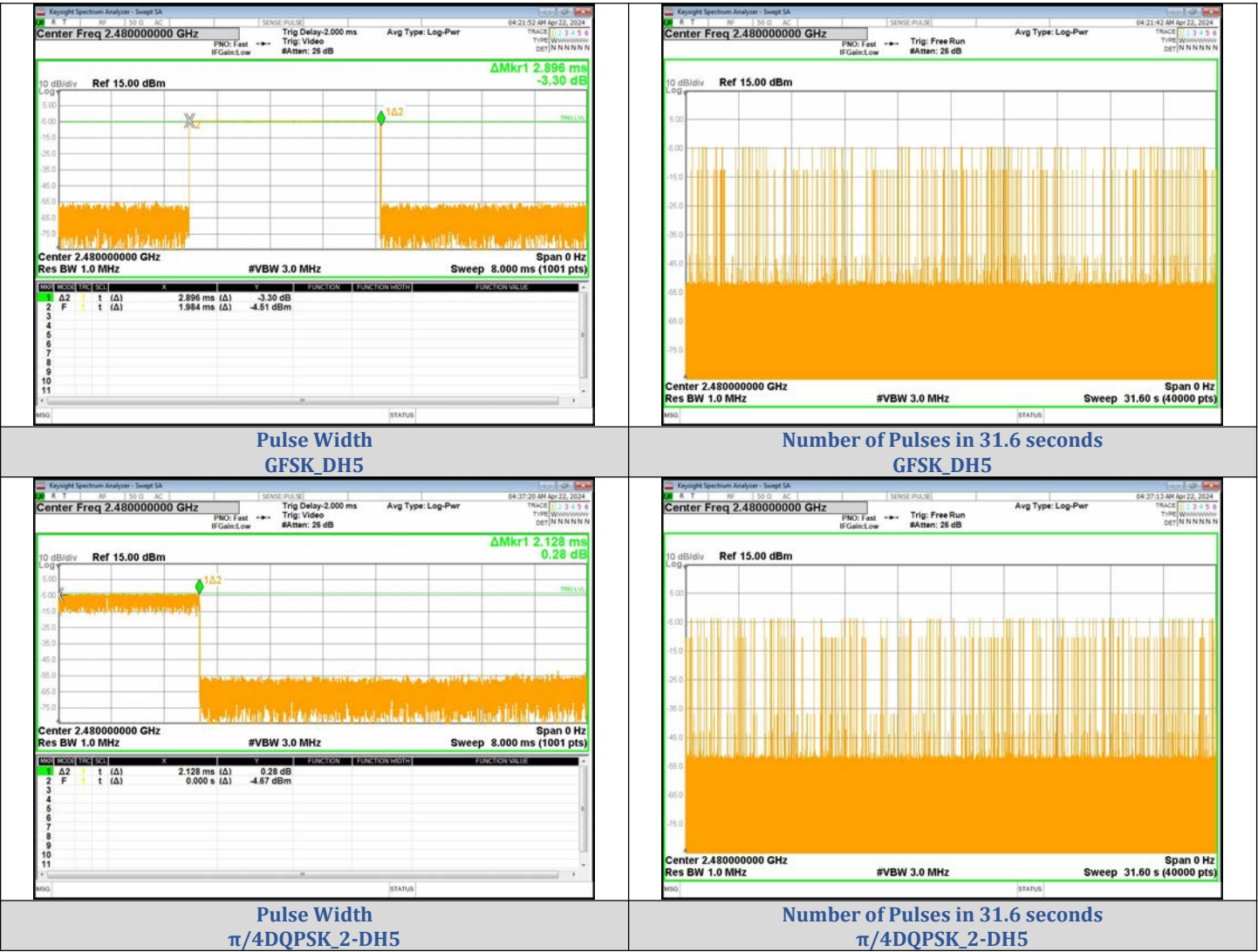
8DPSK(3-DH5)_Channel 78



Dwell Time
Test Result

Modulation	Packet	Channel	Pulse Width (ms)	Number of Pulses in 31.6 seconds	Dwell Time (ms)	Limit (ms)	Result
GFSK	DH5	CH78 (2480MHz)	2.896	104	301.18	< 400	PASS
$\pi/4$ DQPSK	2-DH5		2.128	106	225.57		PASS
8DPSK	3-DH5		2.896	111	321.46		PASS

Test Graphs





Pulse Width
8DPSK_3-DH5



Number of Pulses in 31.6 seconds
8DPSK_3-DH5

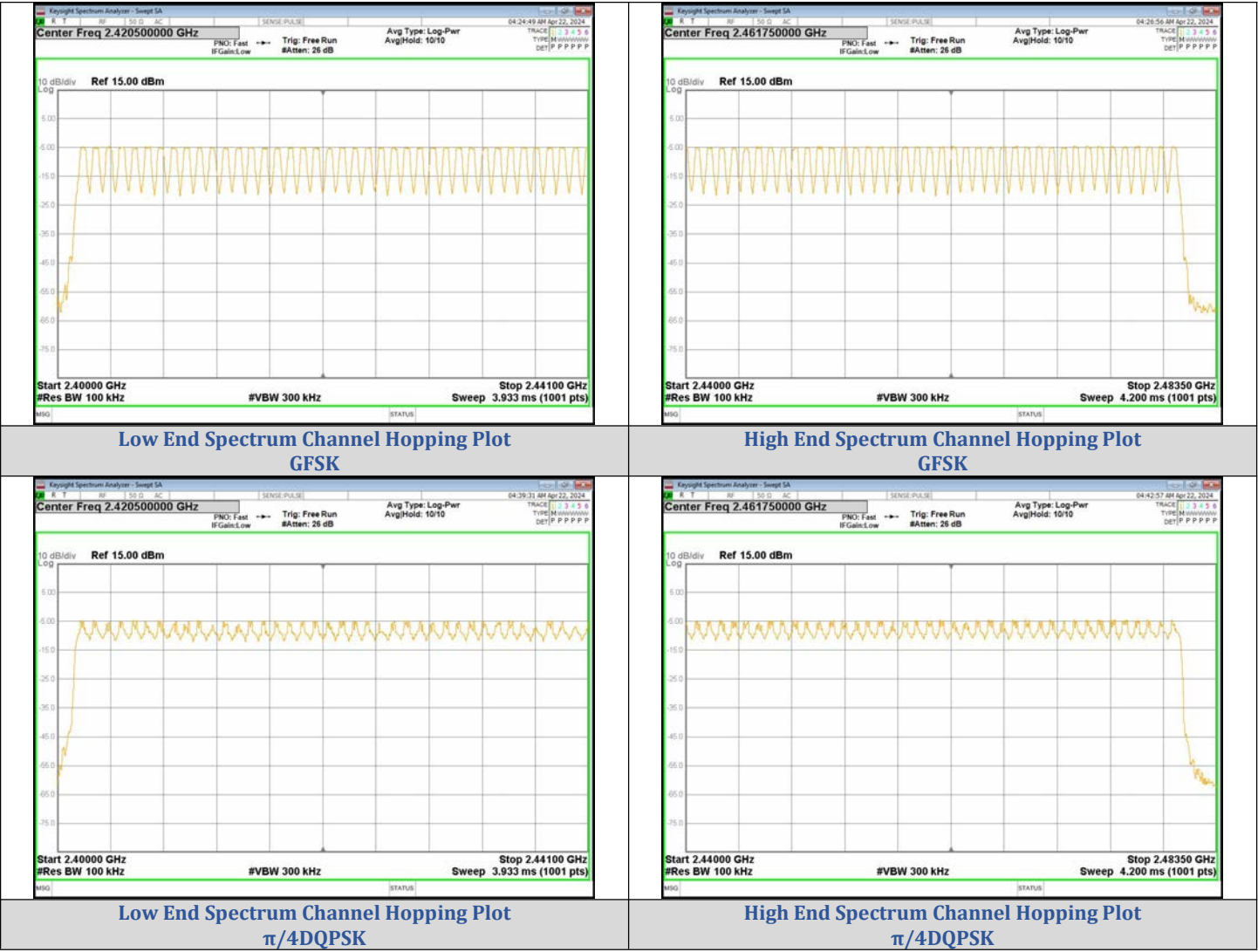


Number Of Hopping Channel

Test Result

Modulation	Packet	Number of Hopping Channel	Limit	Result
GFSK	DH5	79	15	PASS
$\pi/4$ DQPSK	2-DH5	79	15	PASS
8DPSK	3-DH5	79	15	PASS

Test Graphs





Low End Spectrum Channel Hopping Plot
8DPSK



High End Spectrum Channel Hopping Plot
8DPSK