



Conducted Peak Output Power

Test Result

Modulation	Packet Type	Channel	Peak Output Power (dBm)	Peak Output Power (mW)	Limit (dBm)	Result
GFSK	DH5	0	-1.685	0.678	30	PASS
		39	-1.126	0.772		PASS
		78	-1.140	0.769		PASS
$\pi/4$ DQPSK	2-DH5	0	0.383	1.092	20.97	PASS
		39	0.909	1.233		PASS
		78	0.882	1.225		PASS

Test Graphs



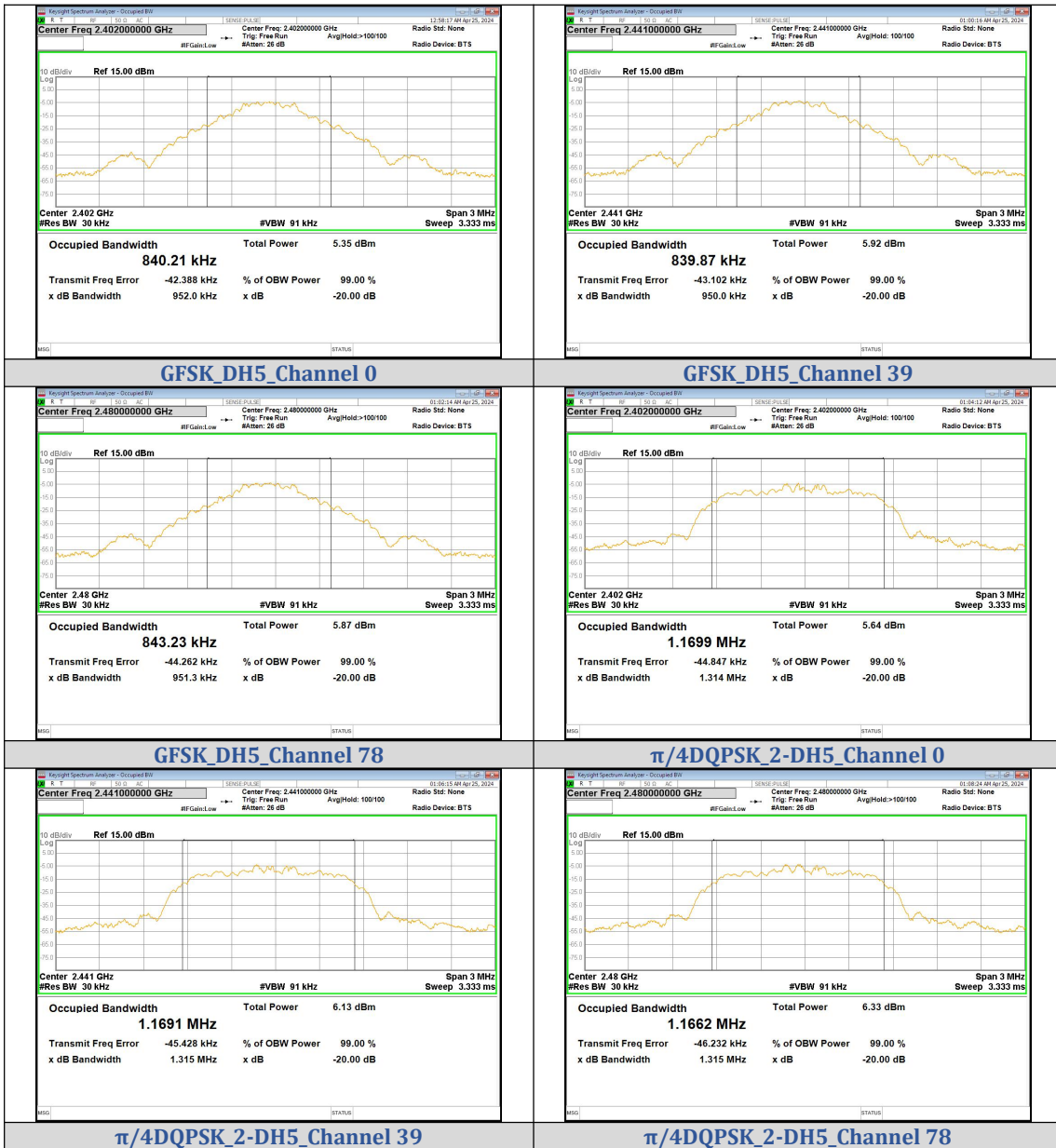


20dB Bandwidth

Test Result

Modulation	Channel	Center Frequency (MHz)	20 dB Bandwidth (MHz)
GFSK	0	2402 MHz	0.9520
	39	2441 MHz	0.9500
	78	2480 MHz	0.9513
$\pi/4$ DQPSK	0	2402 MHz	1.314
	39	2441 MHz	1.315
	78	2480 MHz	1.315

Test Graphs

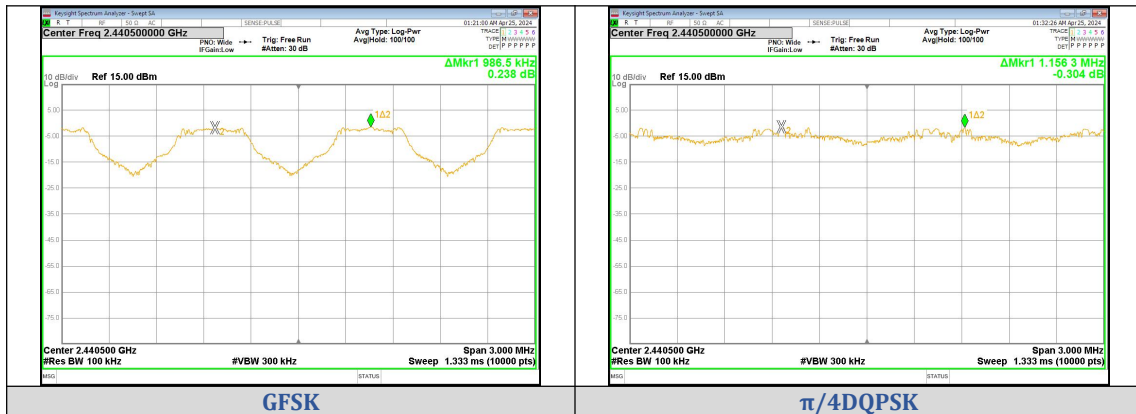


Carrier Frequencies Separation

Test Result

Modulation	Packet	Left Center frequency (MHz)	Right Center frequency (MHz)	Hopping Frequency Separation (MHz)	Limit (MHz)	Result
GFSK	DH5	2439.9727	2440.9592	0.9865	0.634	PASS
$\pi/4$ DQPSK	2-DH5	2439.9601	2441.1164	1.1563	0.877	PASS

Test Graphs



Conducted Out Of Band Emission

Test Result

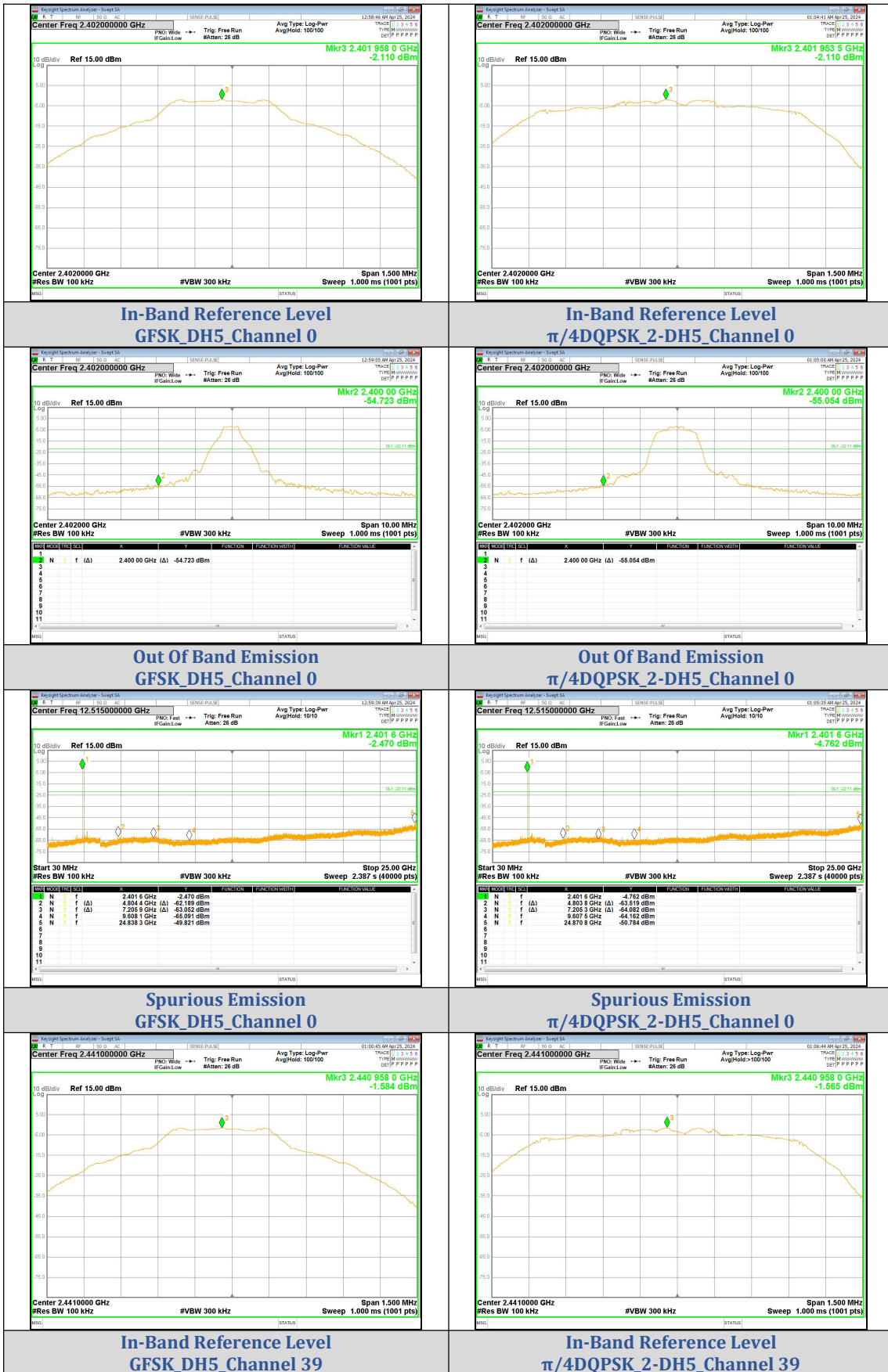
Non-Hopping

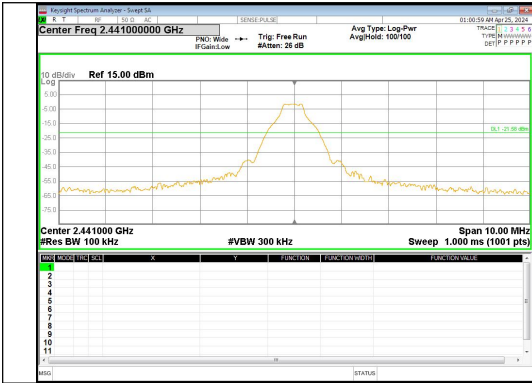
Modulation	Packet	Channel	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result
GFSK	DH5	0	2400.00	-54.723	-22.11	-32.613	PASS
			4804.38	-62.189	-22.11	-40.079	PASS
			7205.93	-63.052	-22.11	-40.942	PASS
			9608.11	-65.091	-22.11	-42.981	PASS
			24838.3	-49.821	-22.11	-27.711	PASS
		39	4881.79	-62.441	-21.58	-40.861	PASS
			7323.30	-63.959	-21.58	-42.379	PASS
			9763.55	-63.427	-21.58	-41.847	PASS
			24483.1	-51.069	-21.58	-29.489	PASS
		78	2483.50	-59.570	-21.58	-37.990	PASS
			4959.83	-63.677	-21.58	-42.097	PASS
			7440.66	-63.530	-21.58	-41.950	PASS
9919.62	-66.488		-21.58	-44.908	PASS		
24853.9	-49.993		-21.58	-28.413	PASS		
$\pi/4$ DQPSK	2-DH5	0	2400.00	-55.054	-22.11	-32.944	PASS
			4803.76	-63.519	-22.11	-41.409	PASS
			7205.31	-64.082	-22.11	-41.972	PASS
			9607.48	-64.162	-22.11	-42.052	PASS
			24870.8	-50.784	-22.11	-28.674	PASS
		39	4881.79	-62.729	-21.57	-41.159	PASS
			7322.67	-63.671	-21.57	-42.101	PASS
			9763.55	-63.099	-21.57	-41.529	PASS
			24869.5	-51.193	-21.57	-29.623	PASS
		78	2483.50	-60.578	-21.59	-38.988	PASS
			4960.45	-63.960	-21.59	-42.370	PASS
			7439.41	-63.959	-21.59	-42.369	PASS
			9920.24	-65.222	-21.59	-43.632	PASS
			24893.9	-50.733	-21.59	-29.143	PASS

Hopping

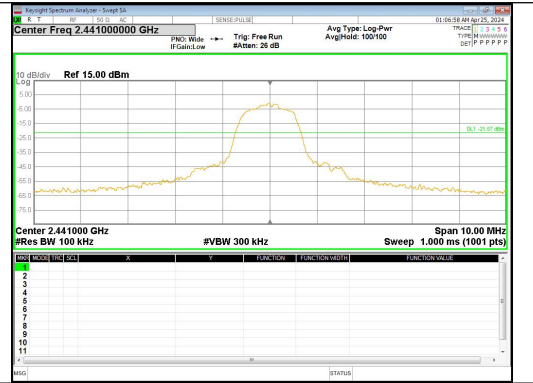
Modulation	Packet	Channel	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result
GFSK	DH5	Hopping	2398.93	-59.516	-21.97	-37.546	PASS
			2400.00	-60.616	-21.97	-38.646	PASS
			2483.50	-61.627	-21.51	-40.117	PASS
$\pi/4$ DQPSK	2-DH5		2400.00	-55.447	-21.87	-33.577	PASS
			2483.50	-60.463	-21.51	-38.953	PASS

Test Graphs

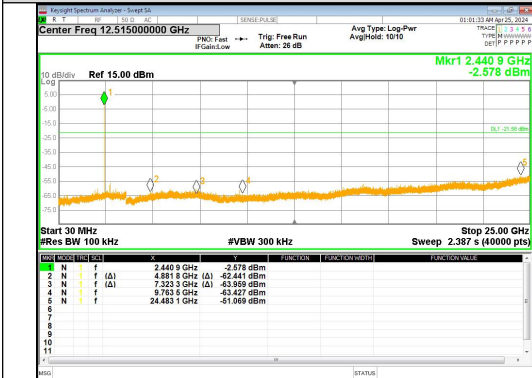




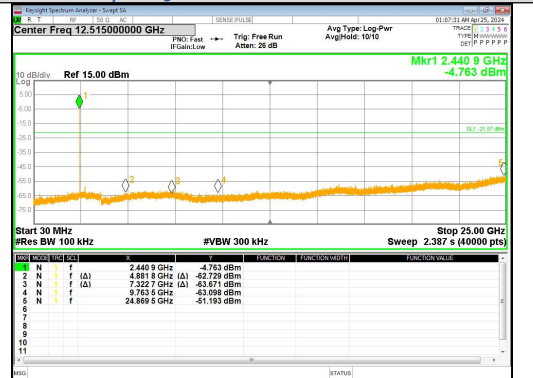
**Out Of Band Emission
GFSK_DH5_Channel 39**



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



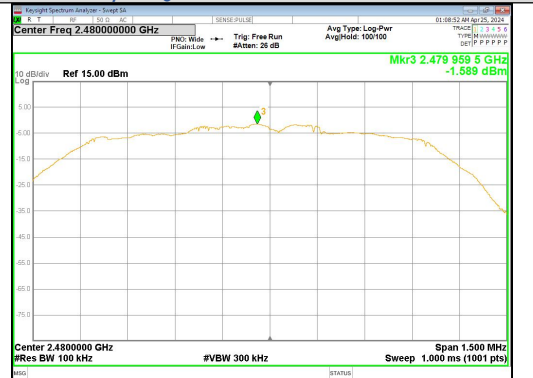
**Spurious Emissions
GFSK_DH5_Channel 39**



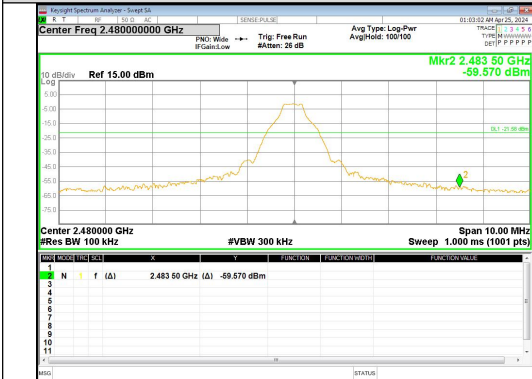
**Spurious Emissions
 $\pi/4$ DQPSK_2-DH5_Channel 39**



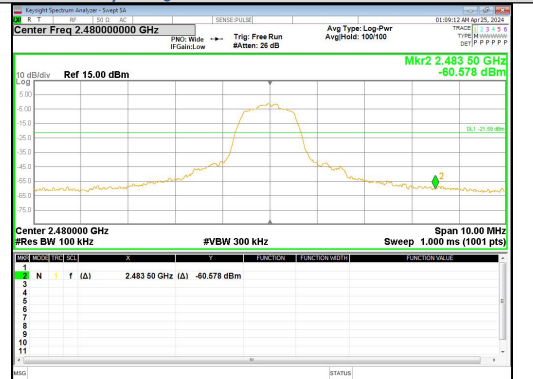
**In-Band Reference Level
GFSK_DH5_Channel 78**



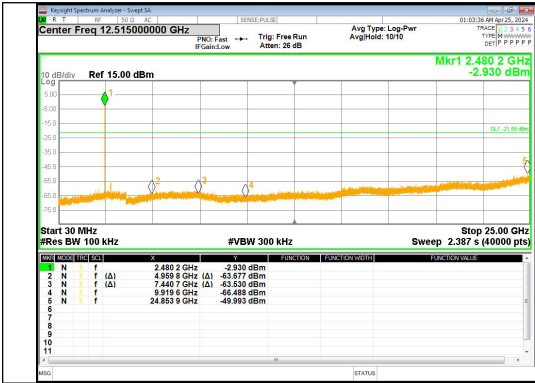
**In-Band Reference Level
 $\pi/4$ DQPSK_2-DH5_Channel 78**



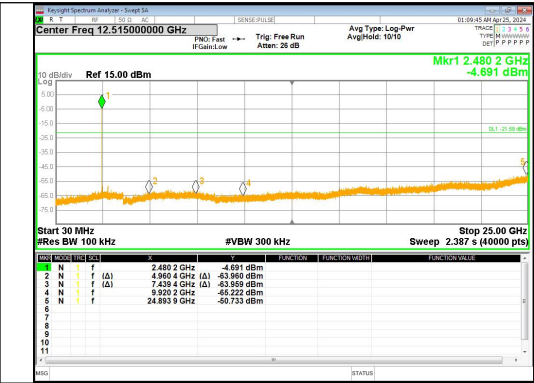
**Out Of Band Emission
GFSK_DH5_Channel 78**



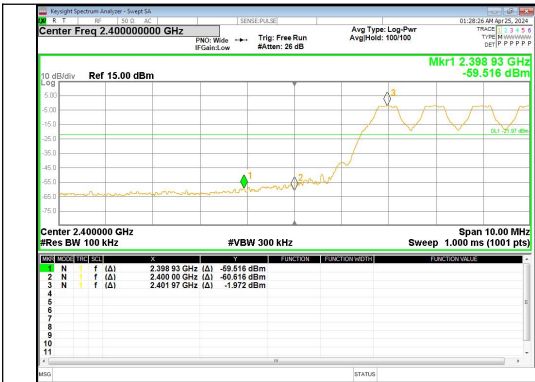
**Out Of Band Emission
 $\pi/4$ DQPSK_2-DH5_Channel 78**



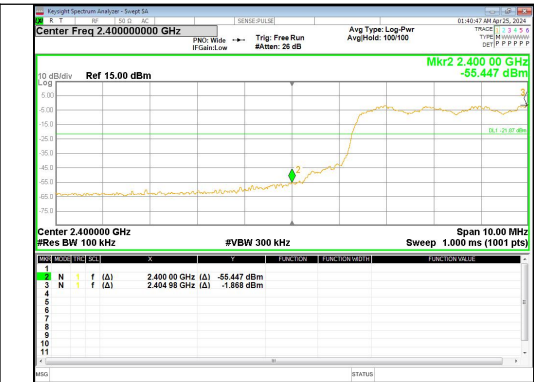
**Spurious Emission
GFSK_DH5_Channel 78**



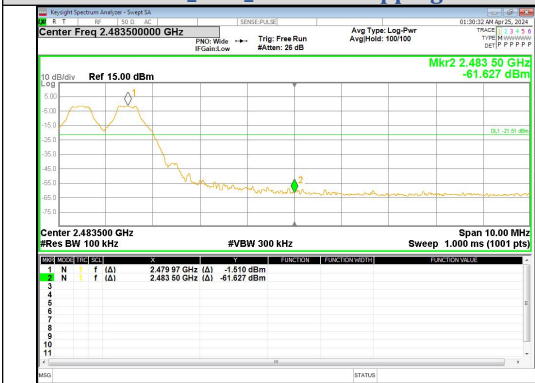
**Spurious Emission
 $\pi/4$ QPSK_2-DH5_Channel 78**



**Out Of Band Emission(Left)
GFSK_DH5_Channel Hopping**



**Out Of Band Emission(Left)
 $\pi/4$ QPSK_2-DH5_Channel Hopping**



**Out Of Band Emission(Right)
GFSK_DH5_Channel Hopping**



**Out Of Band Emission(Right)
 $\pi/4$ QPSK_2-DH5_Channel Hopping**

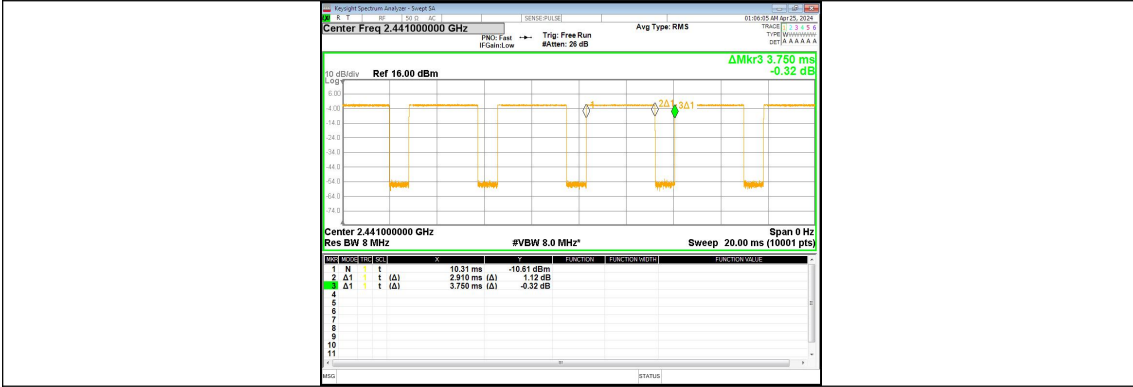
Duty Cycle

Test Result

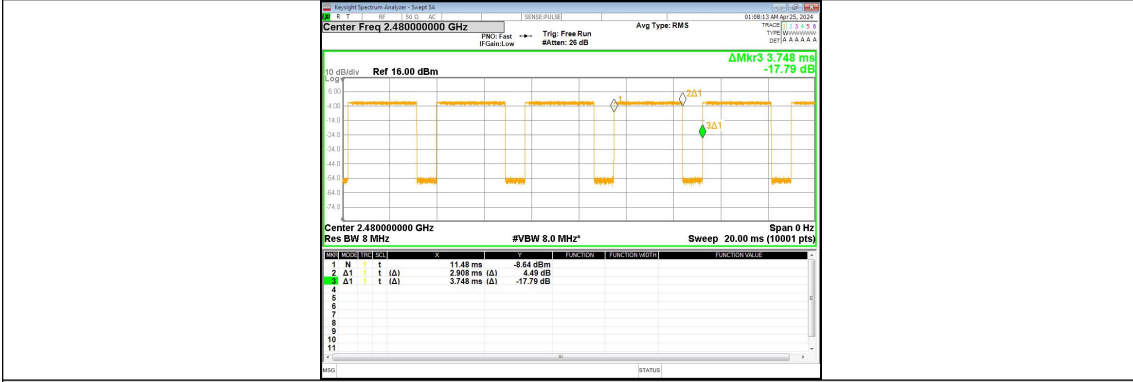
Modulation	Packets	Channel	On Time (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle (linear)	Duty Cycle Factor (dB)
GFSK	DH5	0	2.904	3.748	77.48	0.7748	1.1081
		39	2.904	3.748	77.48	0.7748	1.1081
		78	2.902	3.748	77.43	0.7743	1.1109
$\pi/4$ DQPSK	2-DH5	0	2.908	3.748	77.59	0.7759	1.1019
		39	2.910	3.750	77.60	0.7760	1.1014
		78	2.908	3.748	77.59	0.7759	1.1019

Test Graphs





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



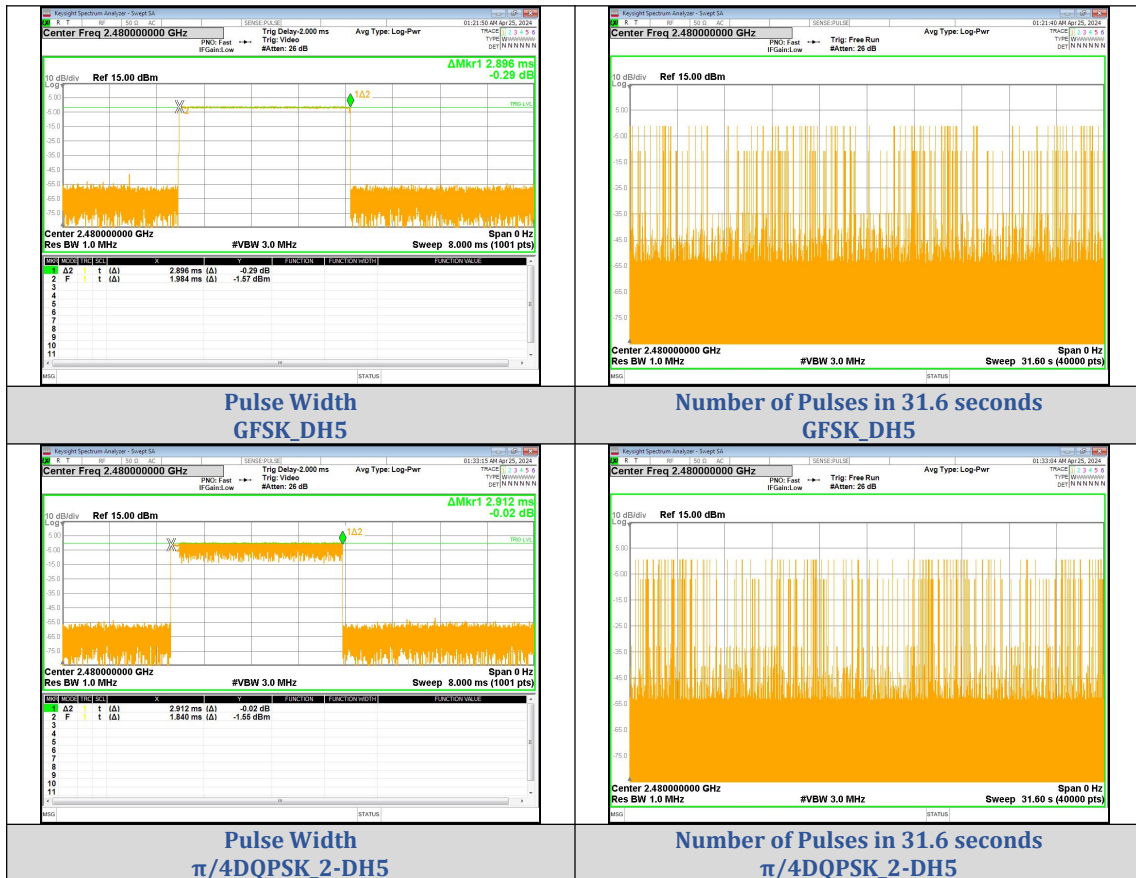
$\pi/4$ DQPSK(2-DH5)_Channel 78

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	101	292.5	< 400	PASS
$\pi/4$ DQPSK	2-DH5		2.912	119	346.53		PASS

Test Graphs



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

Test Graphs

