

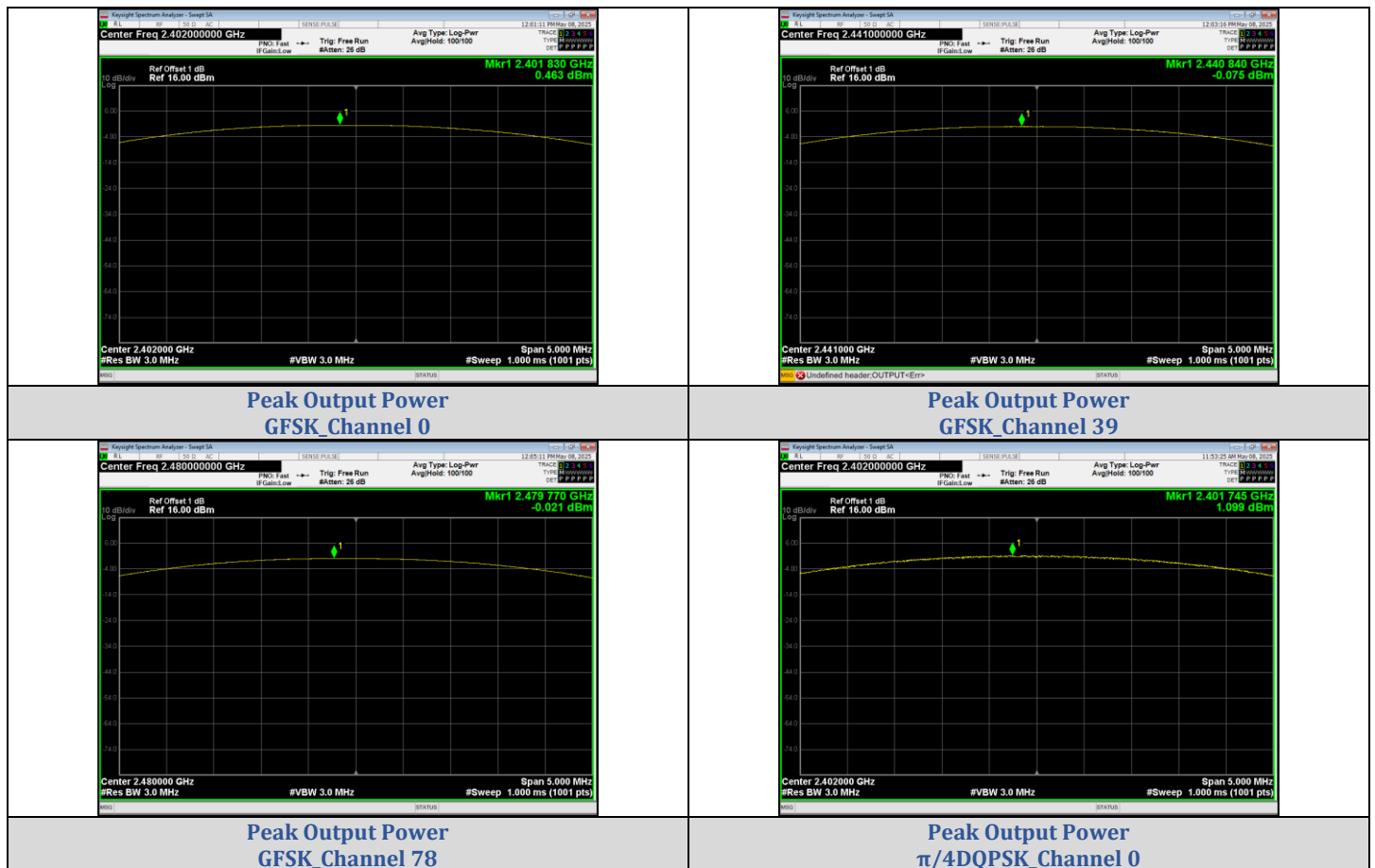


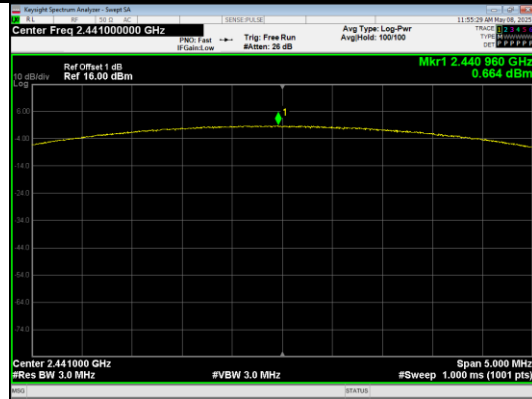
Conducted Output Power

Test Result

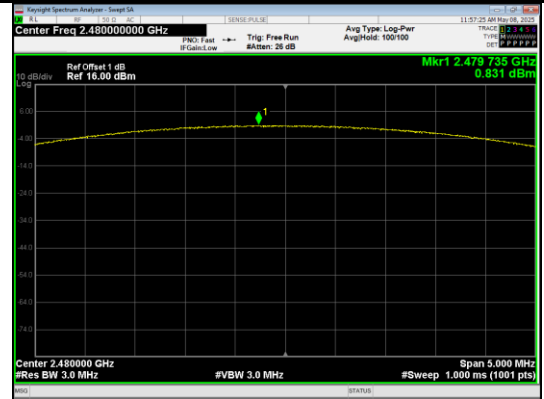
Modulation	Packet Type	Channel	Peak Output Power (dBm)	Peak Output Power (mW)	Limit (dBm)	Result
GFSK	DH5	0	0.46	1.11	≤30	PASS
		39	-0.07	0.98		PASS
		78	-0.02	1.00		PASS
$\pi/4$ DQPSK	2-DH5	0	1.10	1.29	≤20.97	PASS
		39	0.66	1.17		PASS
		78	0.83	1.21		PASS
8DPSK	3-DH5	0	1.60	1.45		PASS
		39	1.27	1.34		PASS
		78	1.35	1.37		PASS

Test Graphs

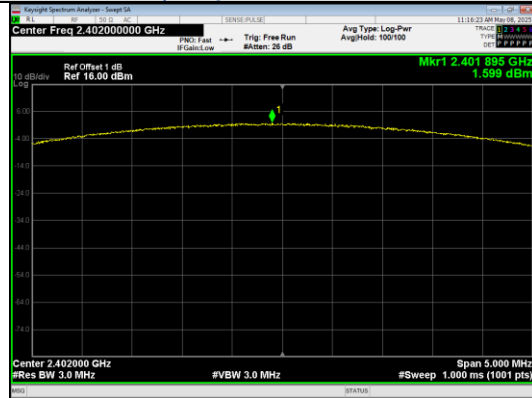




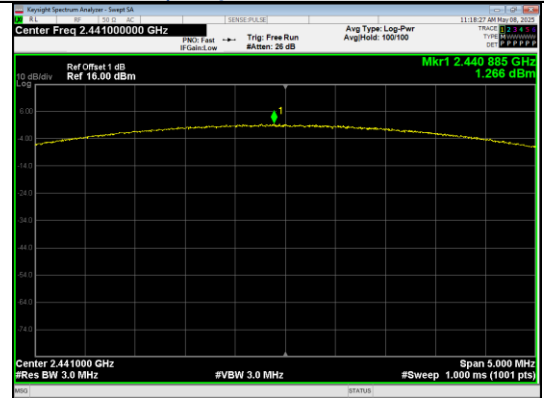
Peak Output Power
 $\pi/4$ DQPSK_Channel 39



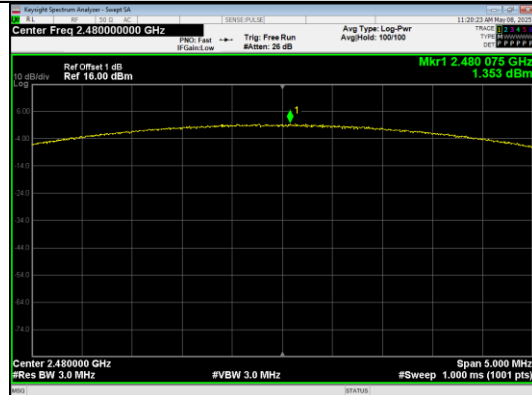
Peak Output Power
 $\pi/4$ DQPSK_Channel 78



Peak Output Power
8DPSK_Channel 0



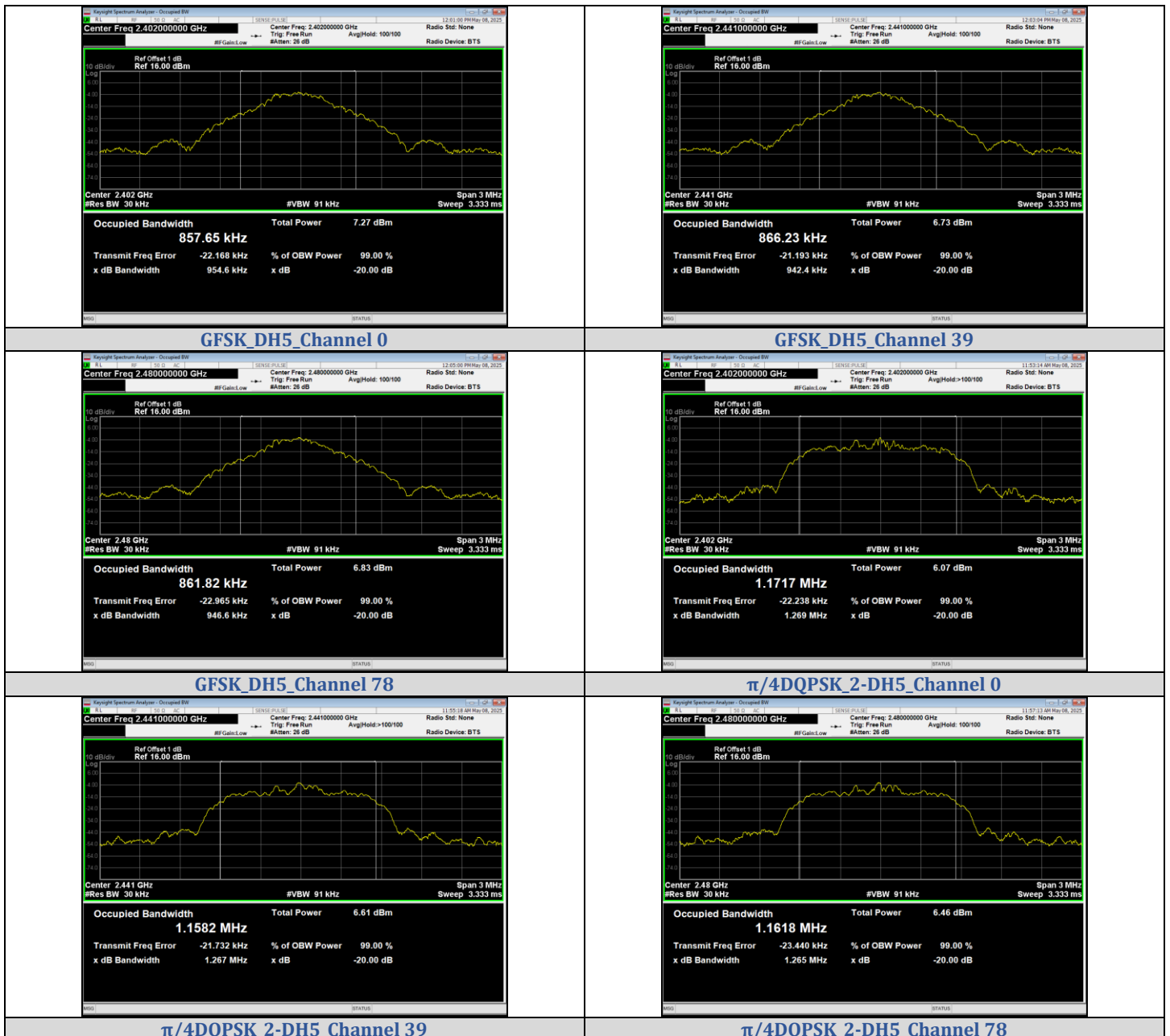
Peak Output Power
8DPSK_Channel 39

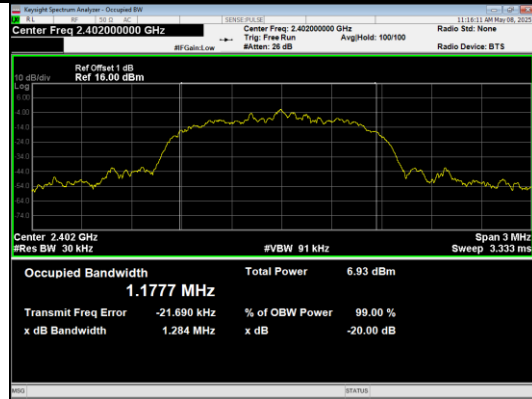


Peak Output Power
8DPSK_Channel 78

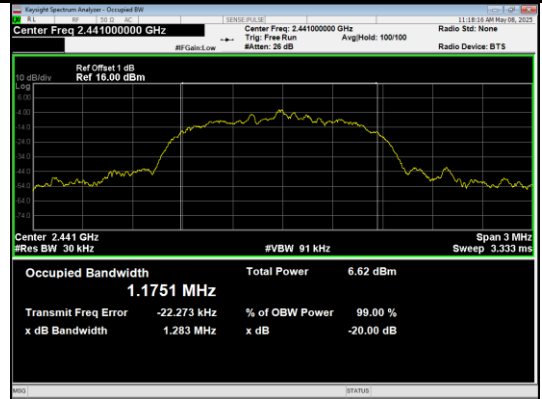
**20dB Bandwidth****Test Result**

Modulation	Channel	Center Frequency (MHz)	20 dB Bandwidth (MHz)
GFSK	0	2402 MHz	0.9546
	39	2441 MHz	0.9424
	78	2480 MHz	0.9466
$\pi/4$ DQPSK	0	2402 MHz	1.269
	39	2441 MHz	1.267
	78	2480 MHz	1.265
8DPSK	0	2402 MHz	1.284
	39	2441 MHz	1.283
	78	2480 MHz	1.270

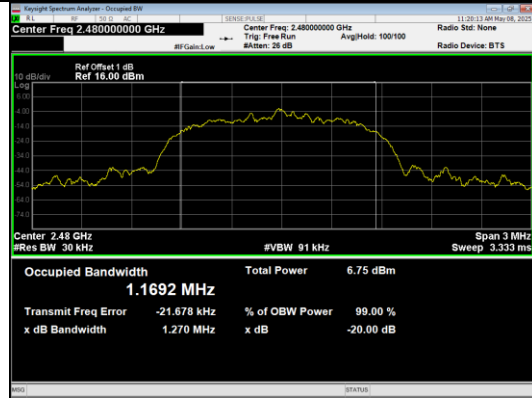
Test Graphs



8DPSK_3-DH5_Channel 0



8DPSK_3-DH5_Channel 39



8DPSK_3-DH5_Channel 78

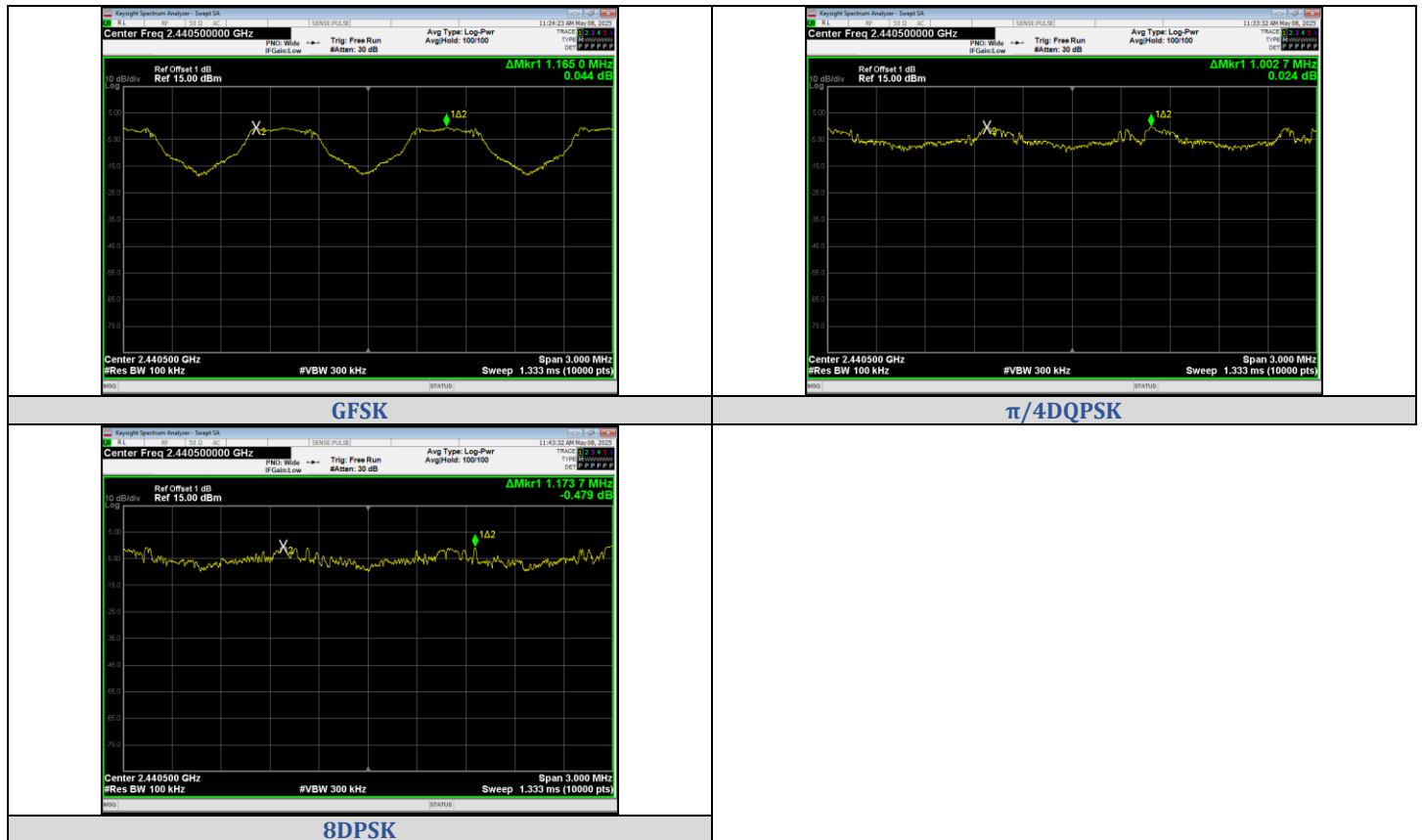


Carrier Frequencies Separation

Test Result

Modulation	Packet	Left Center frequency (MHz)	Right Center frequency (MHz)	Hopping Frequency Separation (MHz)	Limit (MHz)	Result
GFSK	DH5	2439.8134	2440.9784	1.1650	0.642	PASS
$\pi/4$ DQPSK	2-DH5	2439.9784	2440.9811	1.0027	0.846	PASS
8DPSK	3-DH5	2439.9799	2441.1536	1.1737	0.856	PASS

Test Graphs

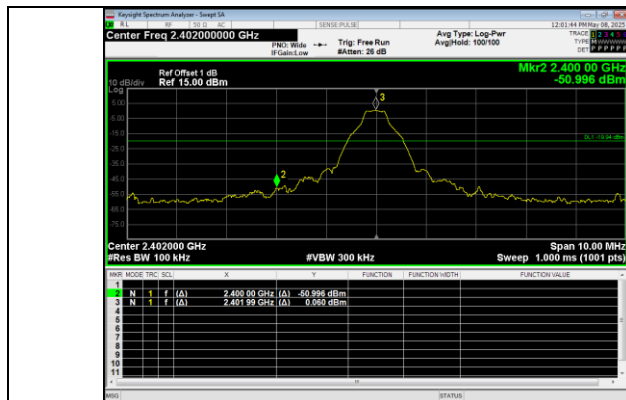
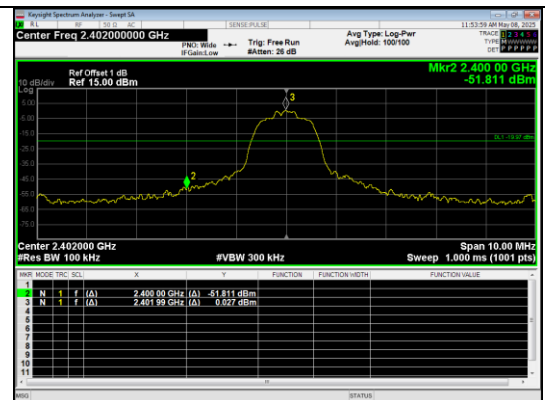


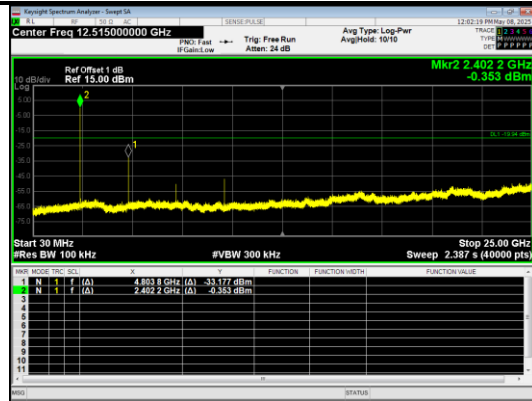
**Conducted Out Of Band Emission****Test Result****Non-Hopping**

Modulation	Packet	Channel	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result
GFSK	DH5	0	2400.00	-50.996	-19.94	-31.056	PASS
			4803.76	-33.177	-19.94	-13.237	PASS
		39	4882.42	-36.499	-20.43	-16.069	PASS
			2483.50	-59.155	-20.23	-38.925	PASS
$\pi/4$ DQPSK	2-DH5	0	4959.83	-36.253	-20.23	-16.023	PASS
			2400.00	-51.811	-19.97	-31.841	PASS
		39	4803.76	-39.498	-19.97	-19.528	PASS
			4881.79	-36.755	-20.34	-16.415	PASS
8DPSK	3-DH5	78	2483.50	-59.354	-20.33	-39.024	PASS
			4960.45	-38.493	-20.33	-18.163	PASS
		0	2397.11	-53.925	-19.91	-34.015	PASS
			2400.00	-55.117	-19.91	-35.207	PASS
		39	4803.80	-38.533	-19.91	-18.623	PASS
			4881.79	-37.754	-20.37	-17.384	PASS
		78	2483.50	-58.948	-20.32	-38.628	PASS
			4959.83	-40.338	-20.32	-20.018	PASS

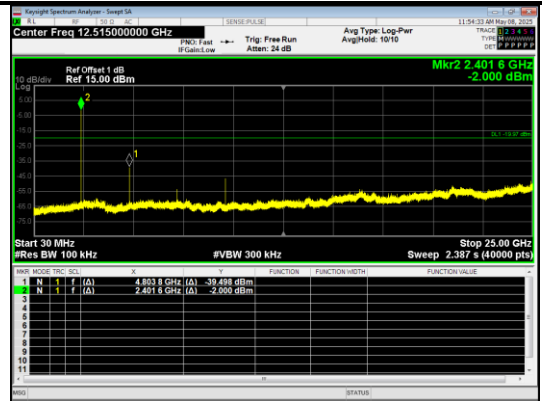
Hopping

Modulation	Packet	Channel	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result
GFSK	DH5	Hopping	2397.18	-54.922	-19.82	-35.102	PASS
			2400.00	-57.756	-19.82	-37.936	PASS
			2483.50	-59.874	-20.56	-39.314	PASS
$\pi/4$ DQPSK	2-DH5		2400.00	-50.338	-20.01	-30.328	PASS
			2483.50	-60.912	-20.38	-40.532	PASS
8DPSK	3-DH5		2400.00	-53.936	-19.9	-34.036	PASS
			2483.50	-61.332	-20.59	-40.742	PASS

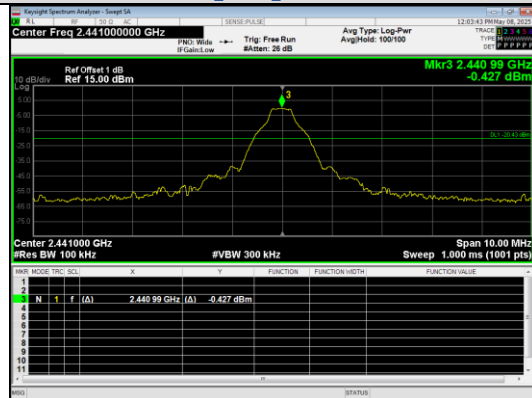
Test Graphs**Out Of Band Emission
GFSK_DH5_Channel 0****Out Of Band Emission
 $\pi/4$ DQPSK_2-DH5_Channel 0**



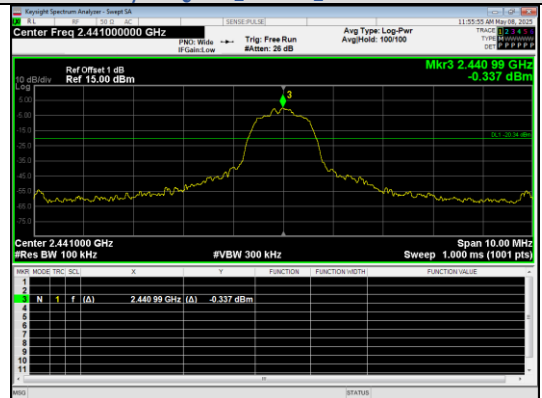
30.0 MHz - 25000.0 MHz
GFSK_DH5_Channel 0



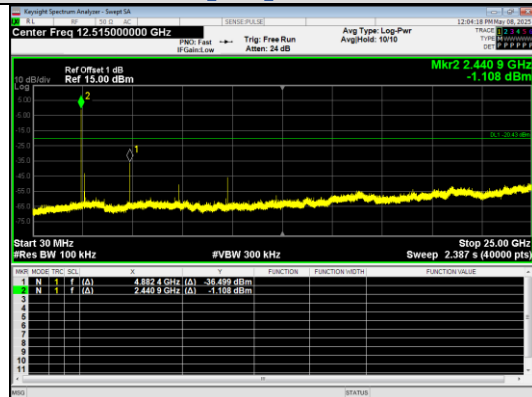
30.0 MHz - 25000.0 MHz
 $\pi/4$ DQPSK_2-DH5_Channel 0



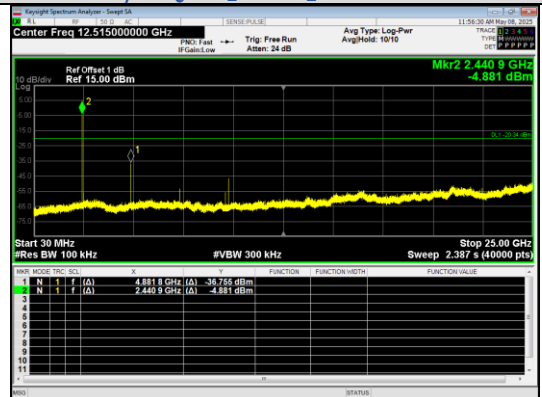
Out Of Band Emission
GFSK_DH5_Channel 39



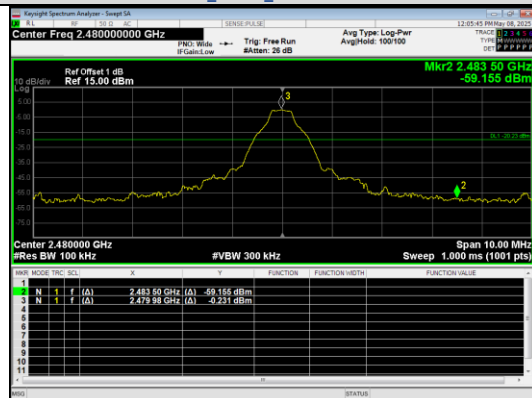
Out Of Band Emission
 $\pi/4$ DQPSK_2-DH5_Channel 39



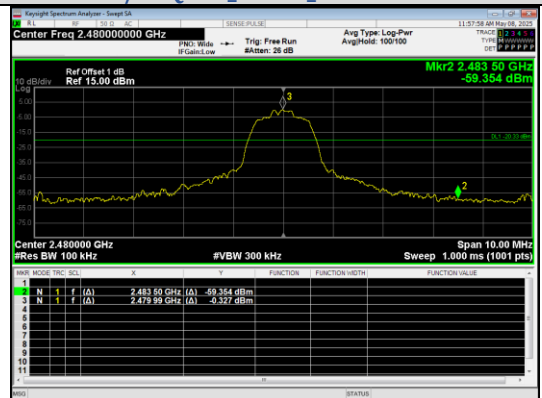
30.0 MHz - 25000.0 MHz
GFSK_DH5_Channel 39



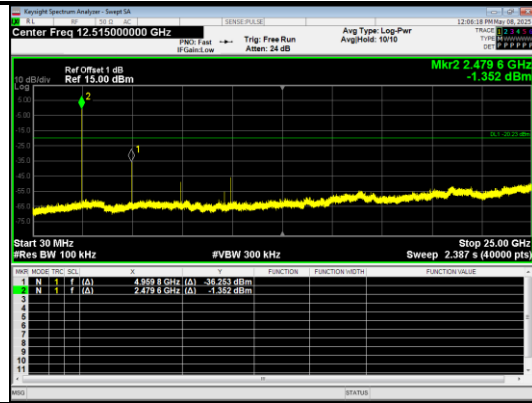
30.0 MHz - 25000.0 MHz
 $\pi/4$ DQPSK_2-DH5_Channel 39



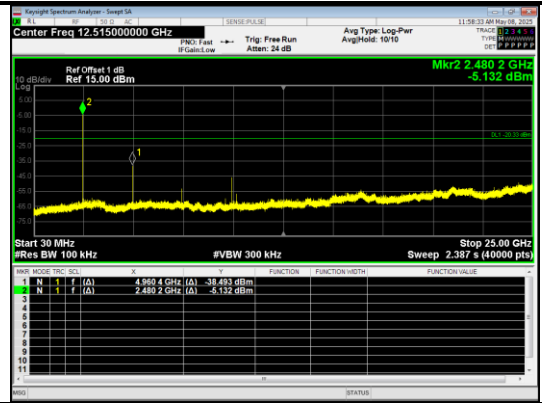
Out Of Band Emission
GFSK_DH5_Channel 78



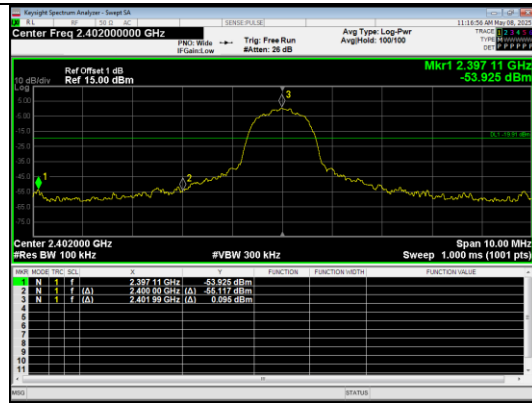
Out Of Band Emission
 $\pi/4$ DQPSK_2-DH5_Channel 78



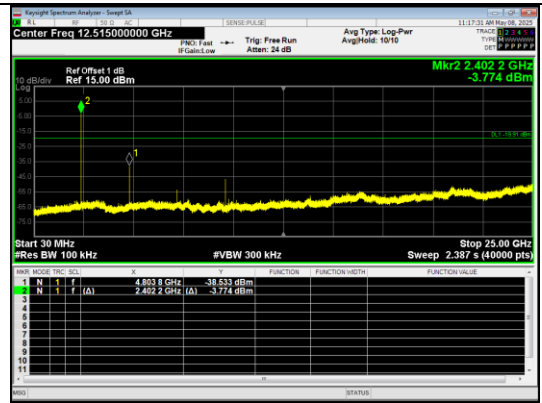
30.0 MHz - 25000.0 MHz
GFSK_DH5_Channel 78



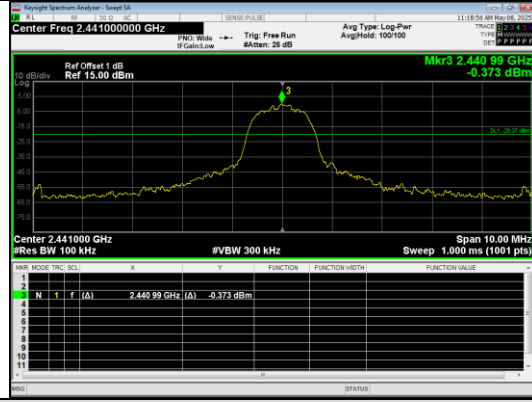
30.0 MHz - 25000.0 MHz
 $\pi/4$ DQPSK_2-DH5_Channel 78



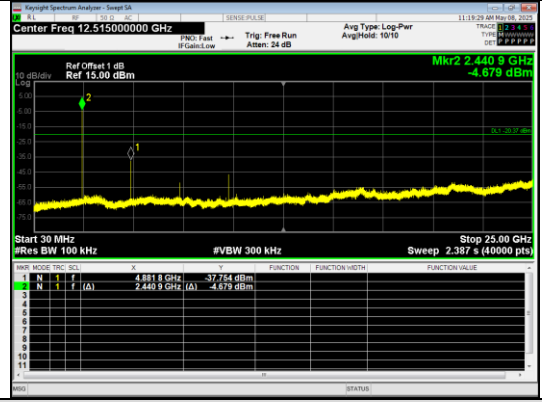
Out Of Band Emission
8DPSK_3-DH5_Channel 0



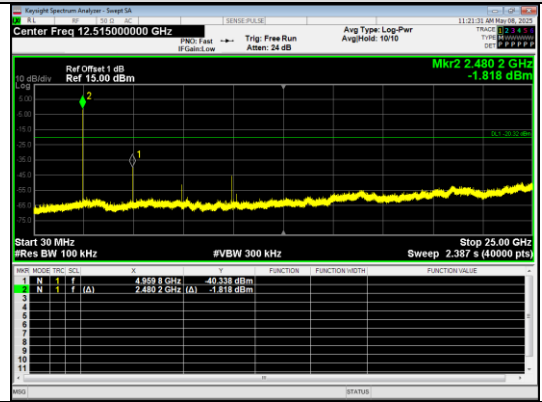
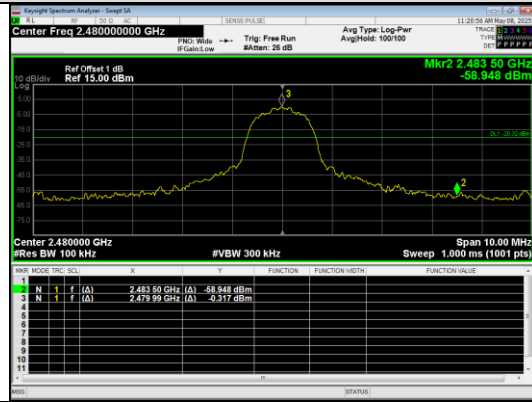
30.0 MHz - 25000.0 MHz
8DPSK_3-DH5_Channel 0



Out Of Band Emission
8DPSK_3-DH5_Channel 39



30.0 MHz - 25000.0 MHz
8DPSK_3-DH5_Channel 39



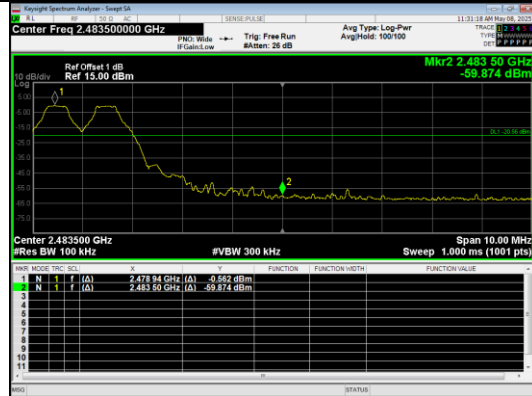
Out Of Band Emission 8DPSK_3-DH5_Channel 78

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



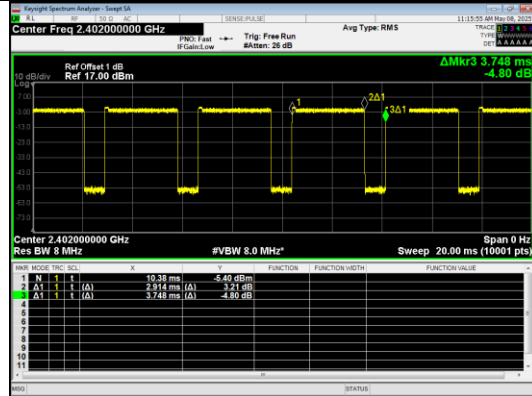
Duty Cycle

Test Result

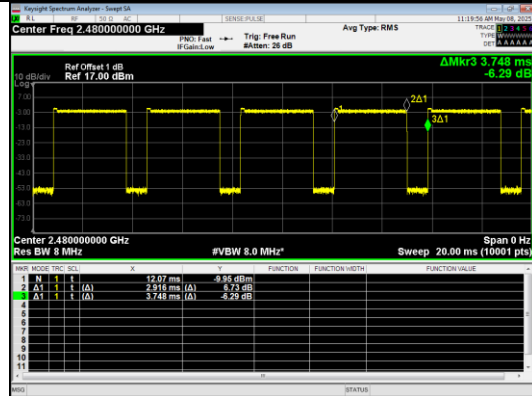
Modulation	Packets	Channel	On Time (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle (linear)	Duty Cycle Factor (dB)	1/T
GFSK	DH5	0	2.906	3.748	77.53	0.7753	1.1053	0.3441
		39	2.906	3.748	77.53	0.7753	1.1053	0.3441
		78	2.908	3.748	77.59	0.7759	1.1019	0.3439
$\pi/4$ DQPSK	2-DH5	0	2.914	3.748	77.75	0.7775	1.093	0.3432
		39	2.914	3.748	77.75	0.7775	1.093	0.3432
		78	2.912	3.748	77.69	0.7769	1.0963	0.3434
8DPSK	3-DH5	0	2.914	3.748	77.75	0.7775	1.093	0.3432
		39	2.916	3.748	77.80	0.7780	1.0902	0.3429
		78	2.916	3.748	77.80	0.7780	1.0902	0.3429

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 78

8DPSK(3-DH5)_Channel 78

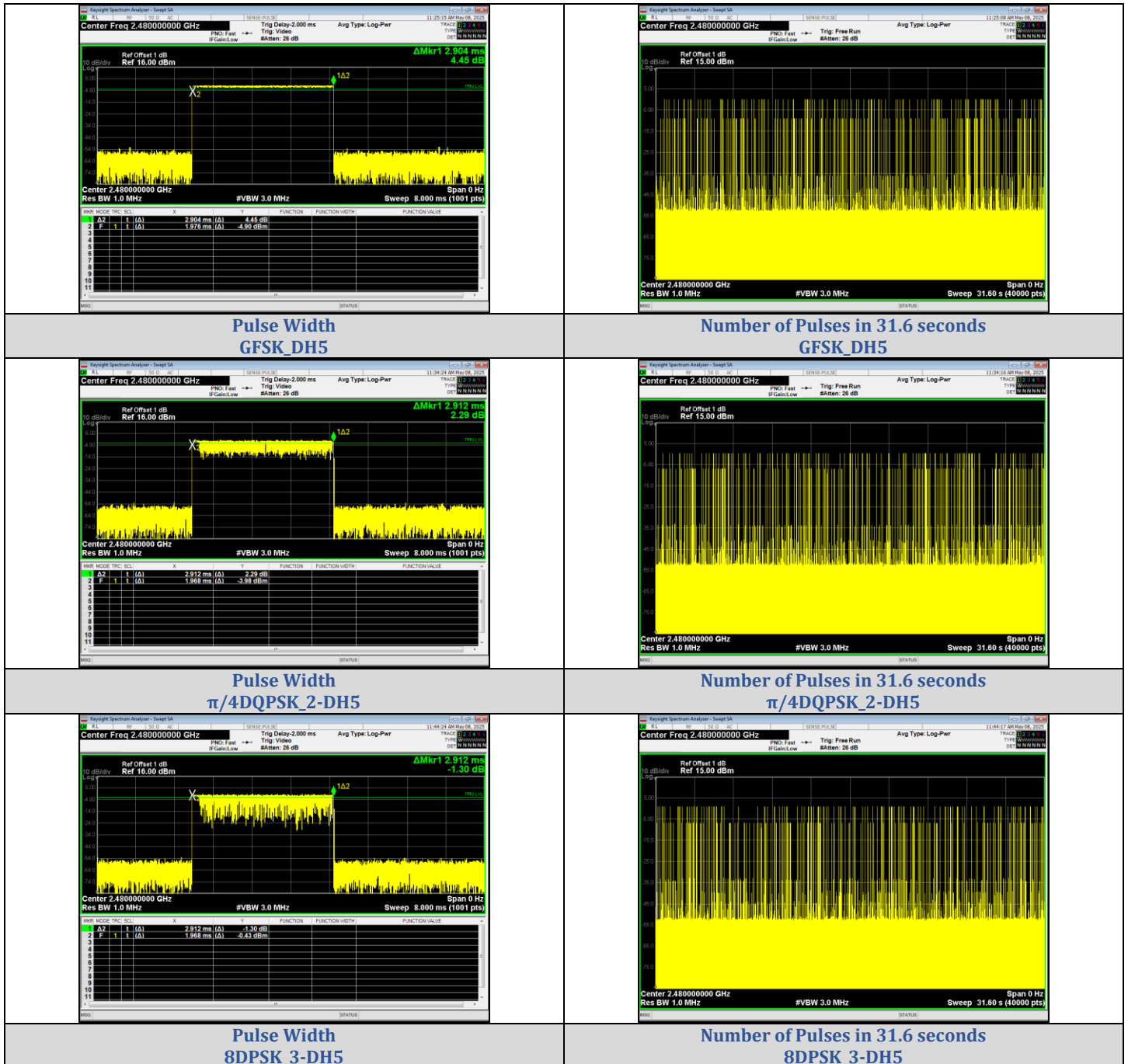


Dwell Time

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)	2.904	114	331.06	< 400	PASS
$\pi/4$ DQPSK	2-DH5		2.912	120	349.44		PASS
8DPSK	3-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
8DPSK	3-DH5	79	15	PASS

Test Graphs

