



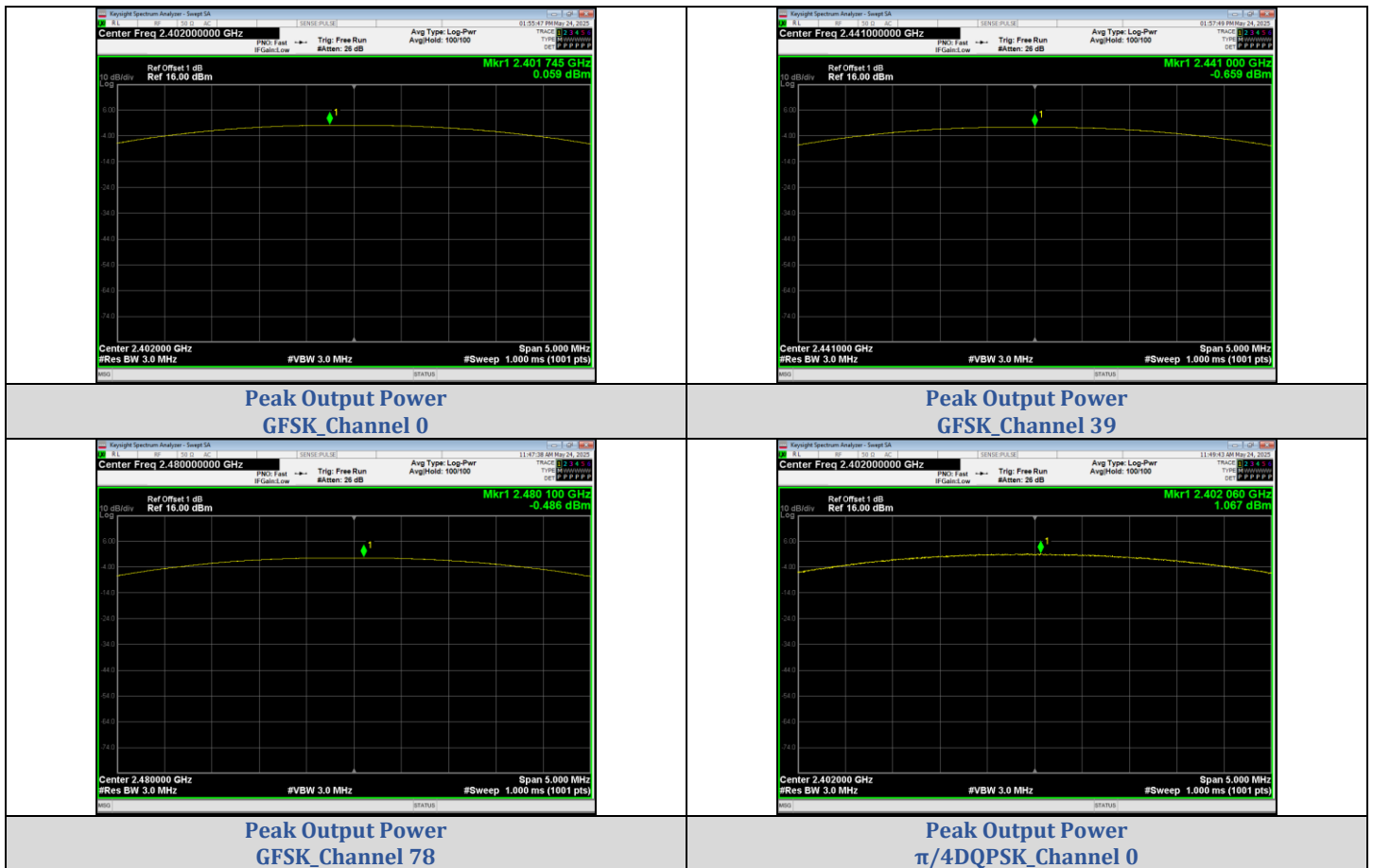
Conducted Output Power

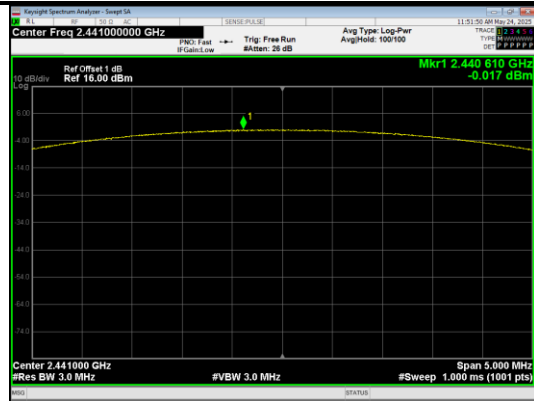
L:

Test Result

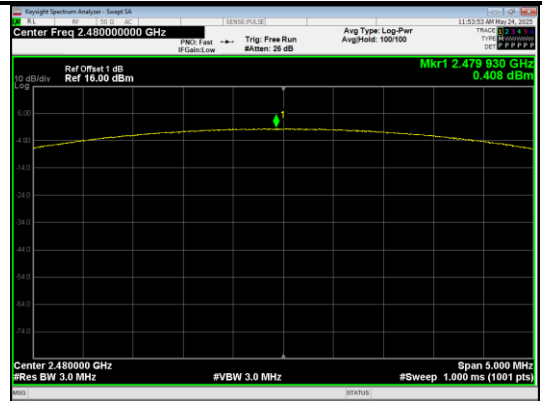
Modulation	Packet Type	Channel	Peak Output Power (dBm)	Peak Output Power (mW)	Limit (dBm)	Result
GFSK	DH5	0	0.06	1.01	≤30	PASS
		39	-0.66	0.86		PASS
		78	-0.49	0.89		PASS
$\pi/4$ DQPSK	2-DH5	0	1.07	1.28	≤20.97	PASS
		39	-0.02	1.00		PASS
		78	0.41	1.10		PASS
8DPSK	3-DH5	0	1.57	1.43		PASS
		39	0.57	1.14		PASS
		78	0.84	1.21		PASS

Test Graphs

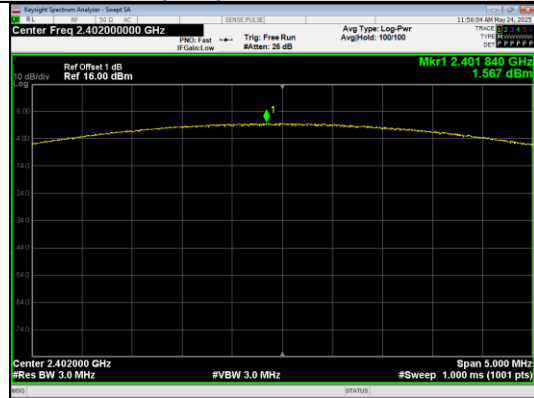




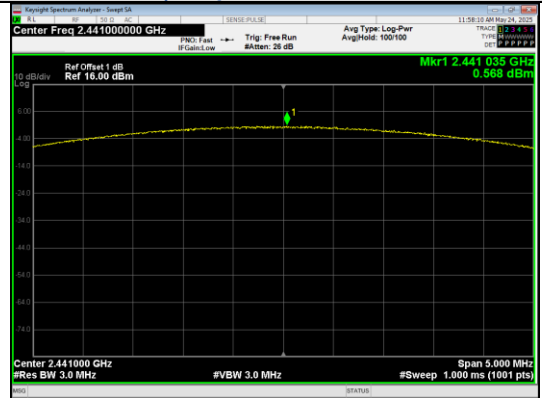
Peak Output Power
 $\pi/4$ DQPSK_Channel 39



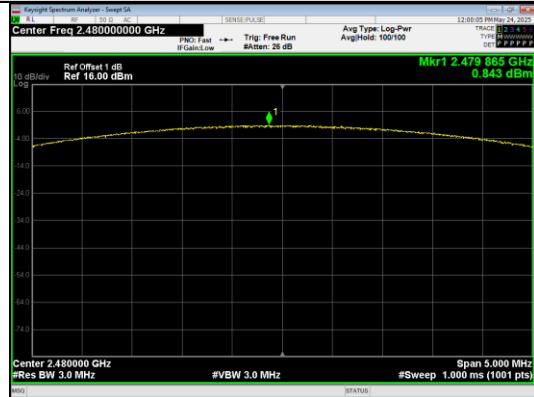
Peak Output Power
 $\pi/4$ DQPSK_Channel 78



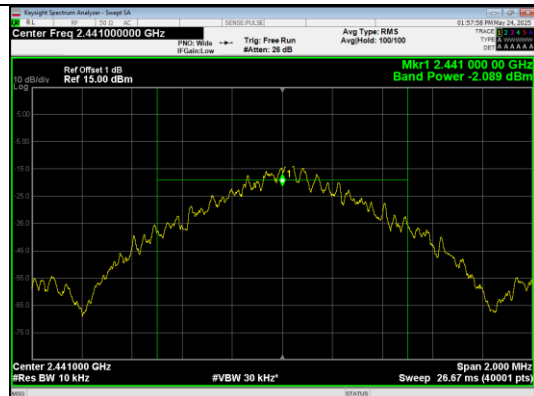
Peak Output Power
 8DPSK_Channel 0



Peak Output Power
 8DPSK_Channel 39



Peak Output Power
 8DPSK_Channel 78



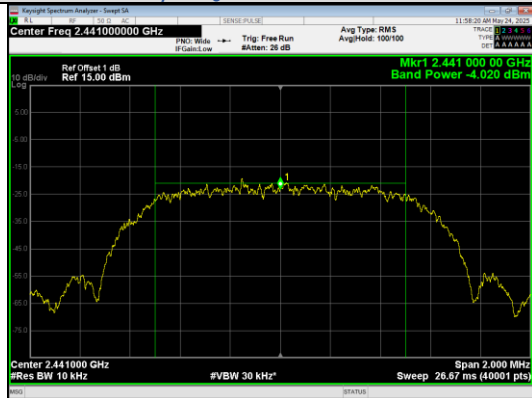
Average Output Power GFSK_Channel 39



Average Output Power $\pi/4$ DQPSK_Channel 0



Average Output Power $\pi/4$ DQPSK_Channel 78



Average Output Power 8DPSK_Channel 39

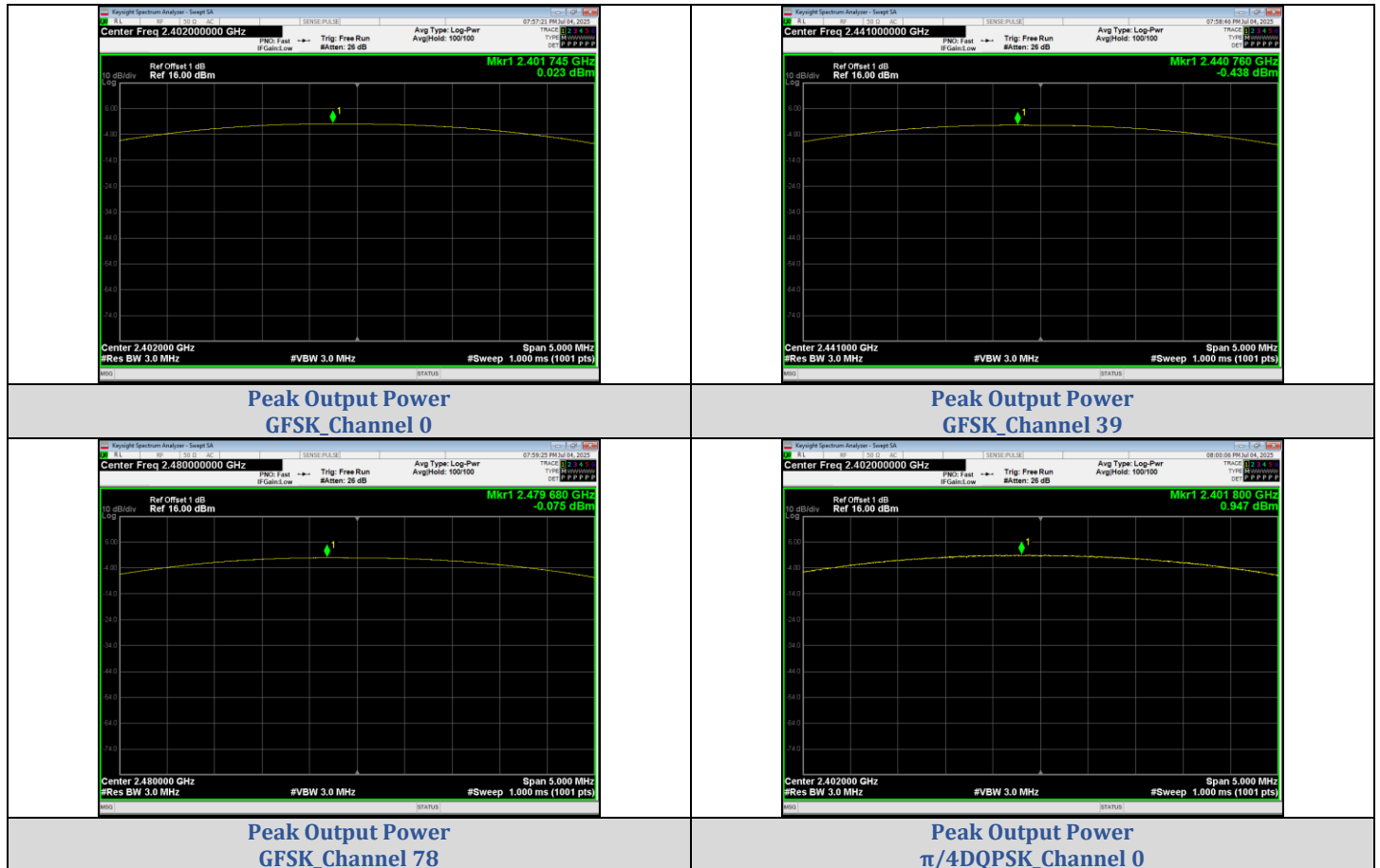


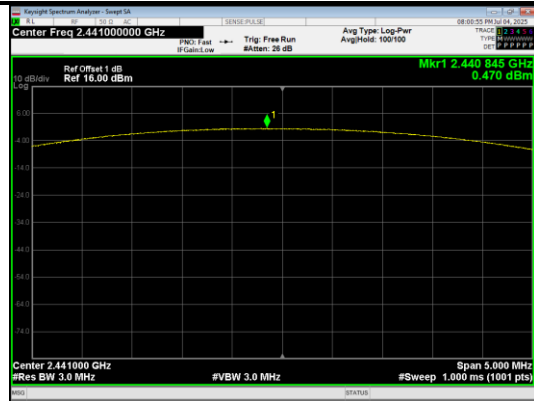
R:

Test Result

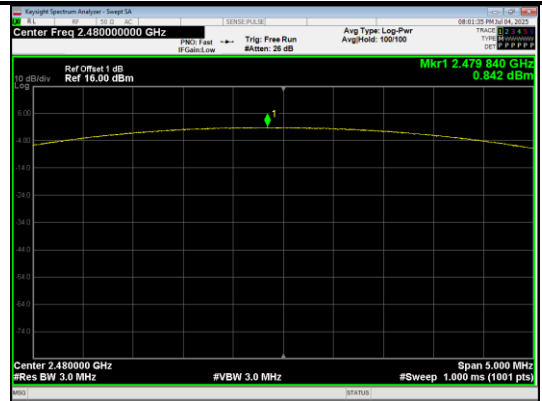
Modulation	Packet Type	Channel	Peak Output Power (dBm)	Peak Output Power (mW)	Limit (dBm)	Result
GFSK	DH5	0	0.02	1.01	≤30	PASS
		39	-0.44	0.90		PASS
		78	-0.07	0.98		PASS
$\pi/4$ DQPSK	2-DH5	0	0.95	1.24	≤20.97	PASS
		39	0.47	1.11		PASS
		78	0.84	1.21		PASS
8DPSK	3-DH5	0	1.37	1.37		PASS
		39	0.91	1.23		PASS
		78	1.27	1.34		PASS

Test Graphs

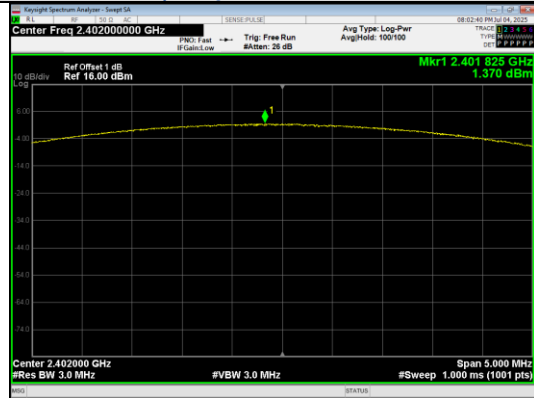




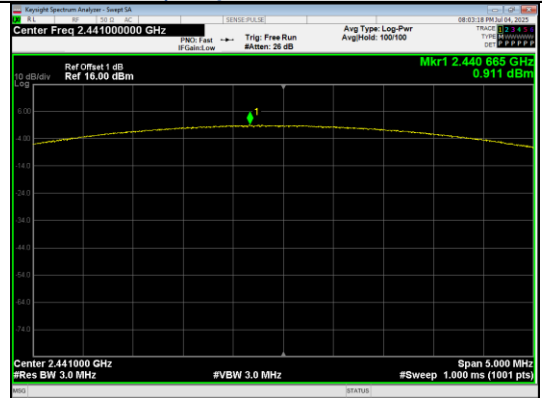
Peak Output Power
 $\pi/4$ DQPSK_Channel 39



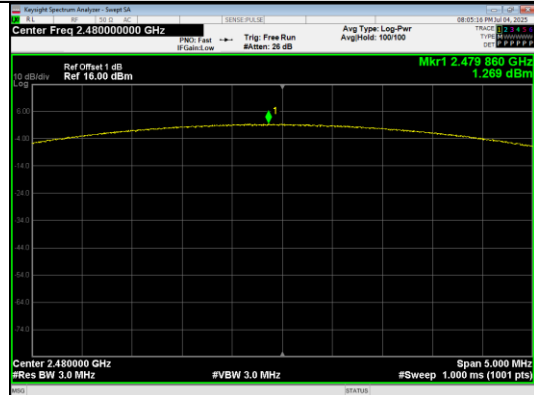
Peak Output Power
 $\pi/4$ DQPSK_Channel 78



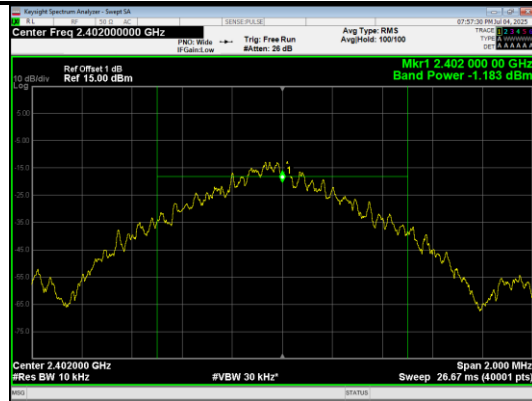
Peak Output Power
8DPSK_Channel 0



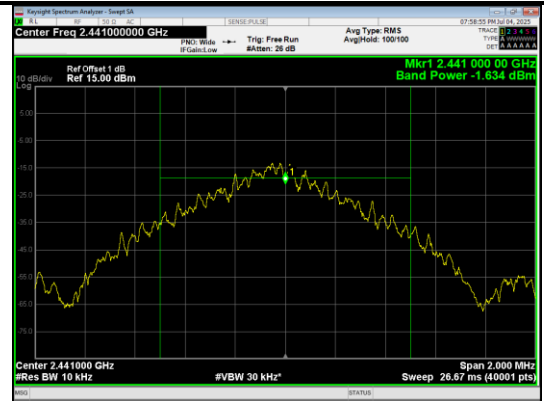
Peak Output Power
8DPSK_Channel 39



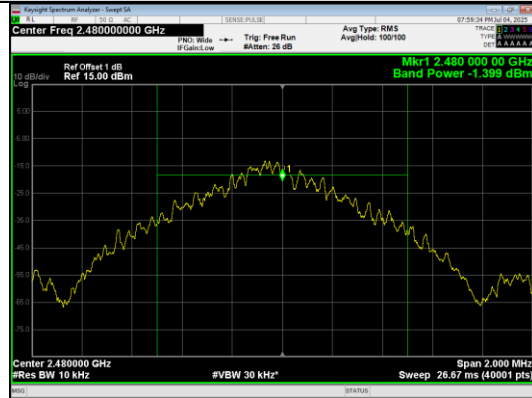
Peak Output Power
8DPSK_Channel 78



Average Output Power
GFSK_Channel 0



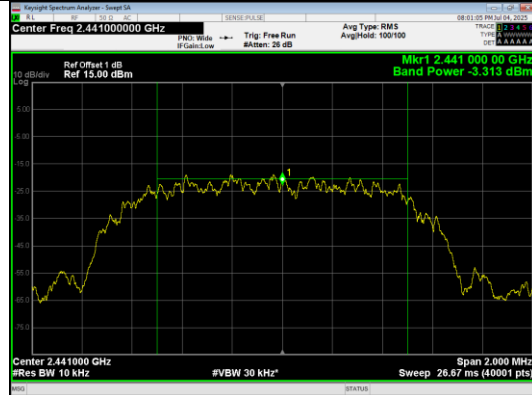
Average Output Power
GFSK_Channel 39



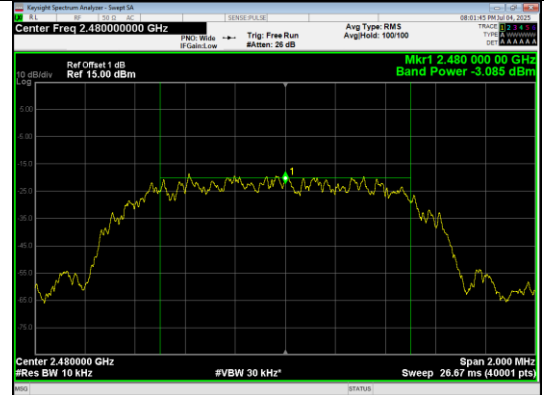
Average Output Power
GFSK_Channel 78



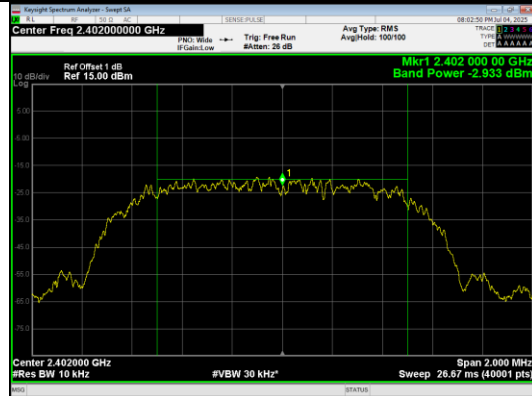
Average Output Power
 $\pi/4$ DQPSK_Channel 0



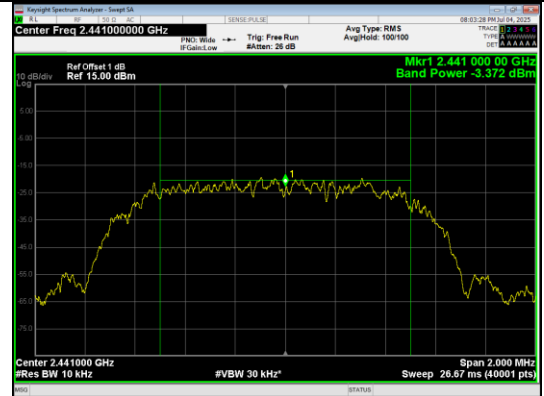
Average Output Power
 $\pi/4$ DQPSK_Channel 39



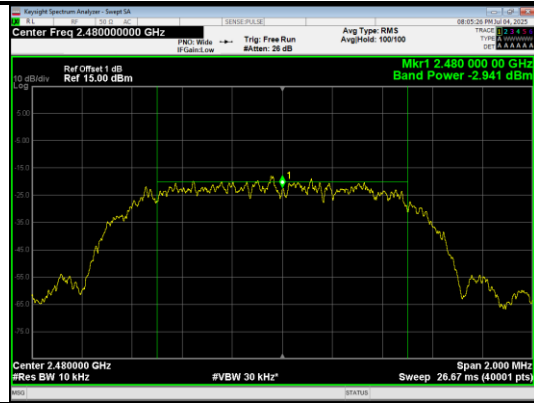
Average Output Power
 $\pi/4$ DQPSK_Channel 78



Average Output Power
8DPSK_Channel 0



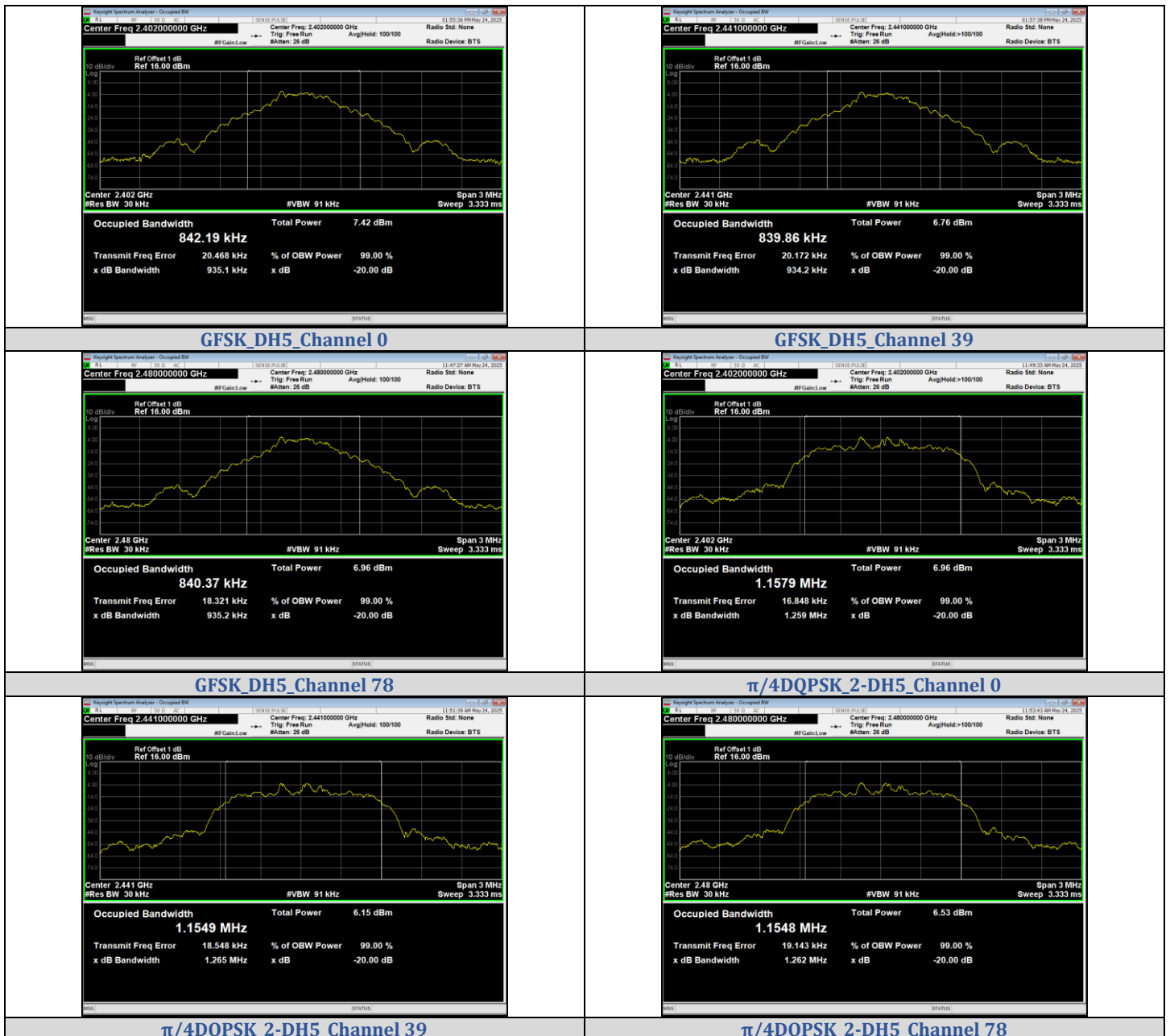
Average Output Power
8DPSK_Channel 39

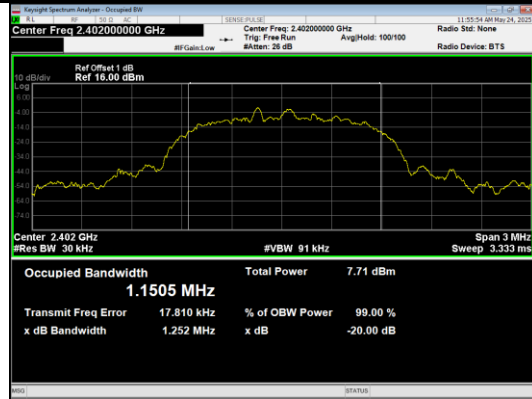


Average Output Power
8DPSK_Channel 78

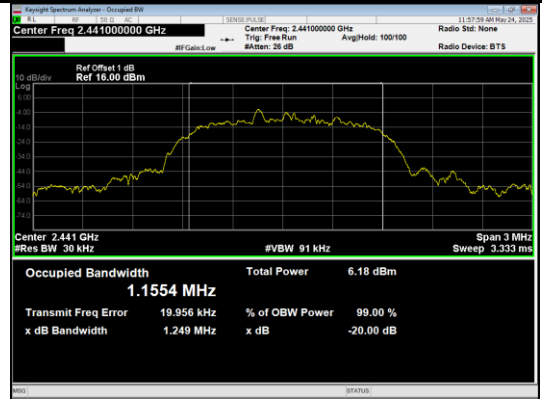
**20dB Bandwidth****Test Result**

Modulation	Channel	Center Frequency (MHz)	20 dB Bandwidth (MHz)
GFSK	0	2402 MHz	0.9351
	39	2441 MHz	0.9342
	78	2480 MHz	0.9352
$\pi/4$ DQPSK	0	2402 MHz	1.259
	39	2441 MHz	1.265
	78	2480 MHz	1.262
8DPSK	0	2402 MHz	1.252
	39	2441 MHz	1.249
	78	2480 MHz	1.254

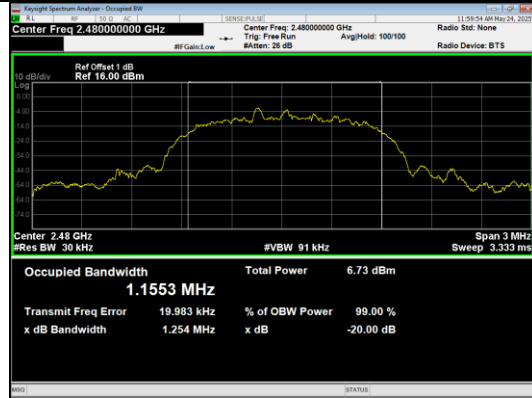
Test Graphs



8DPSK_3-DH5_Channel 0



8DPSK_3-DH5_Channel 39



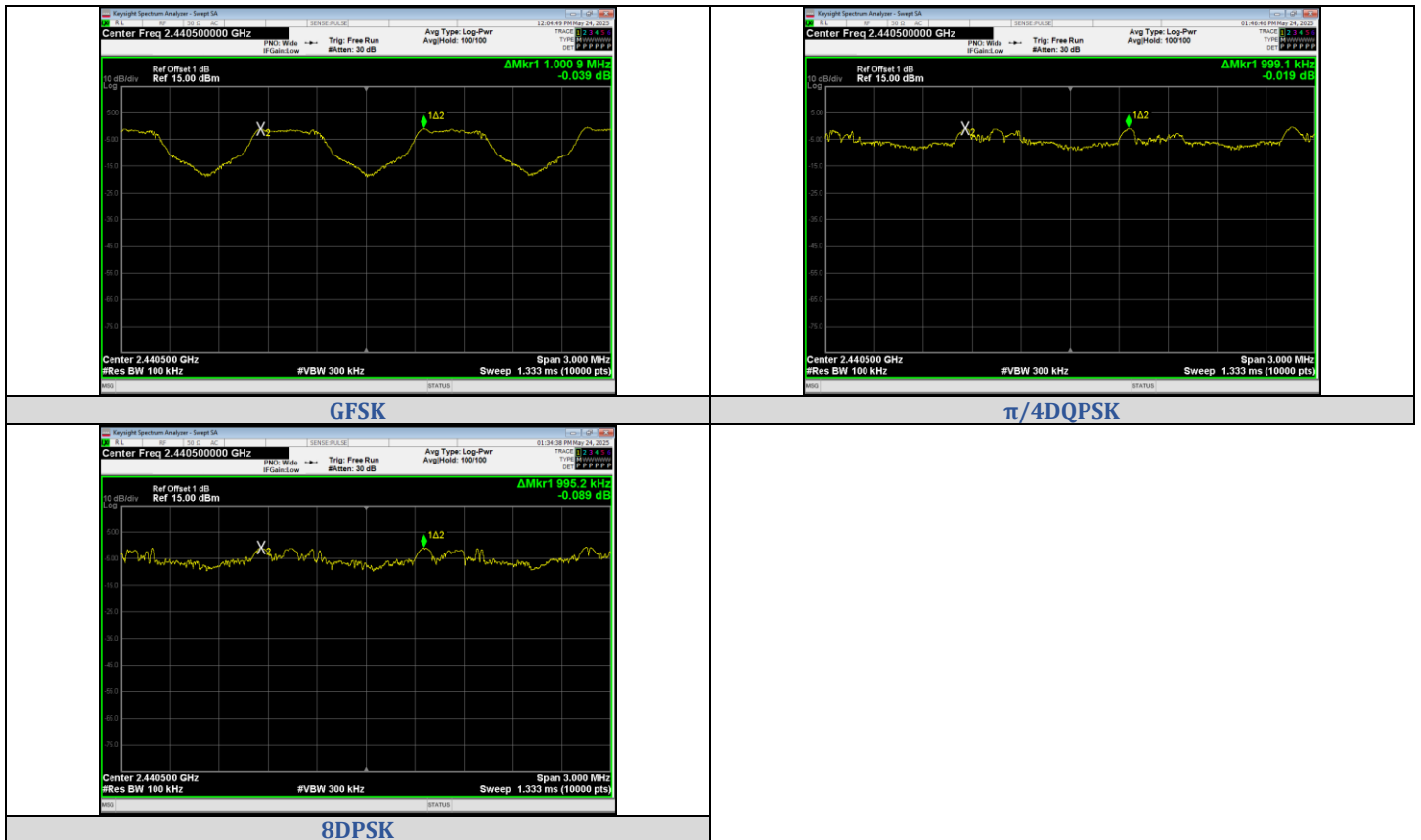
8DPSK_3-DH5_Channel 78

Carrier Frequencies Separation

Test Result

Modulation	Packet	Left Center frequency (MHz)	Right Center frequency (MHz)	Hopping Frequency Separation (MHz)	Limit (MHz)	Result
GFSK	DH5	2439.8539	2440.8548	1.0009	0.625	PASS
$\pi/4$ DQPSK	2-DH5	2439.8581	2440.8572	0.9991	0.843	PASS
8DPSK	3-DH5	2439.8569	2440.8521	0.9952	0.836	PASS

Test Graphs

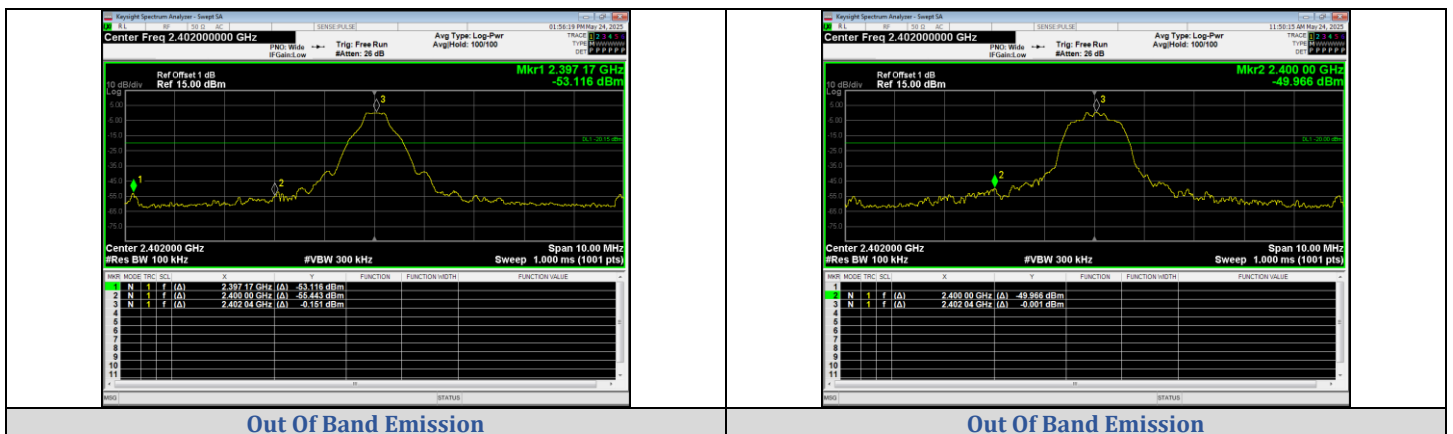


**Conducted Out Of Band Emission****Test Result****Non-Hopping**

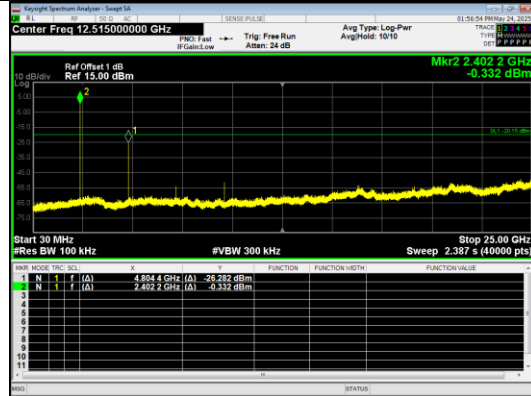
Modulation	Packet	Channel	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result
GFSK	DH5	0	2397.17	-53.116	-20.15	-32.966	PASS
			2400.00	-55.443	-20.15	-35.293	PASS
			4804.40	-26.282	-20.15	-6.132	PASS
		39	4882.42	-28.843	-20.88	-7.963	PASS
			78	2483.50	-60.099	-20.63	-39.469
		4959.83		-28.251	-20.63	-7.621	PASS
π/4DQPSK	2-DH5	0	2400.00	-49.966	-20.0	-29.966	PASS
			4803.76	-30.400	-20.0	-10.400	PASS
			39	4881.79	-30.938	-21.02	-9.918
		78	2483.50	-61.022	-20.64	-40.382	PASS
			4960.45	-31.157	-20.64	-10.517	PASS
		8DPSK	3-DH5	0	2398.76	-53.951	-19.98
2400.00	-54.443				-19.98	-34.463	PASS
4804.40	-29.542				-19.98	-9.562	PASS
39	4881.79			-31.223	-20.97	-10.253	PASS
	78			2483.50	-59.153	-20.65	-38.503
4959.83				-27.148	-20.65	-6.498	PASS

Hopping

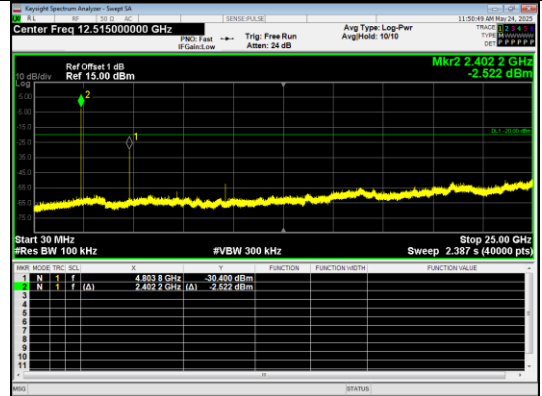
Modulation	Packet	Channel	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result
GFSK	DH5	Hopping	2397.21	-54.196	-19.94	-34.256	PASS
			2400.00	-55.763	-19.94	-35.823	PASS
			2483.50	-60.702	-20.53	-40.172	PASS
$\pi/4$ DQPSK	2-DH5		2400.00	-53.417	-20.17	-33.247	PASS
			2483.50	-58.766	-20.29	-38.476	PASS
8DPSK	3-DH5		2398.75	-55.569	-20.16	-35.409	PASS
			2400.00	-57.868	-20.16	-37.708	PASS
			2483.50	-59.647	-20.27	-39.377	PASS

Test Graphs**Out Of Band Emission****Out Of Band Emission**

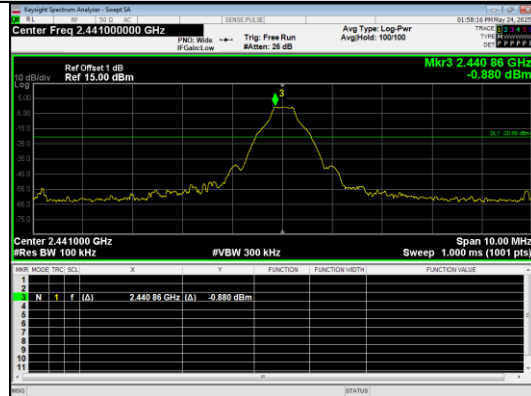
GFSK_DH5_Channel 0



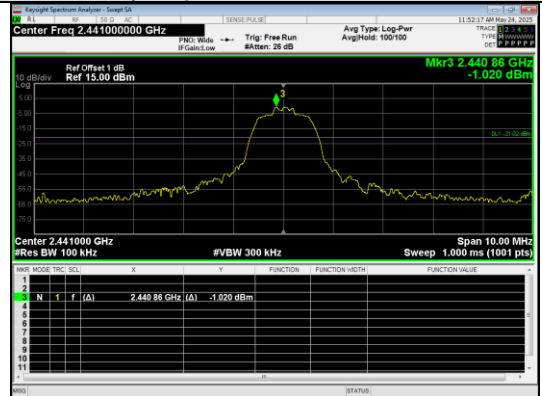
$\pi/4$ DQPSK_2-DH5_Channel 0



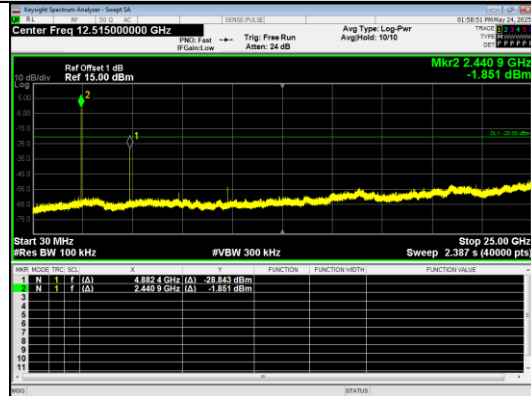
30.0 MHz - 25000.0 MHz GFSK_DH5_Channel 0



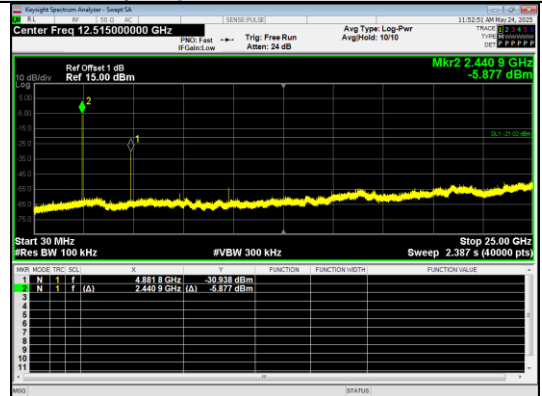
30.0 MHz - 25000.0 MHz $\pi/4$ DQPSK_2-DH5_Channel 0



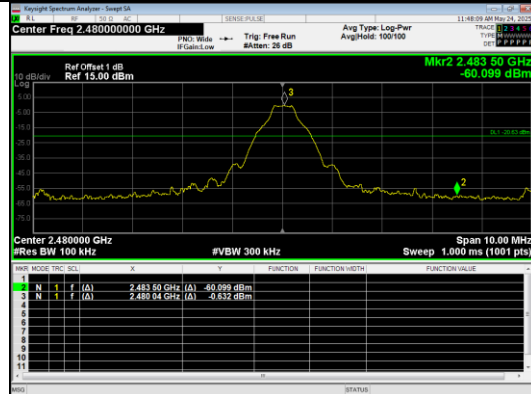
Out Of Band Emission GFSK_DH5_Channel 39



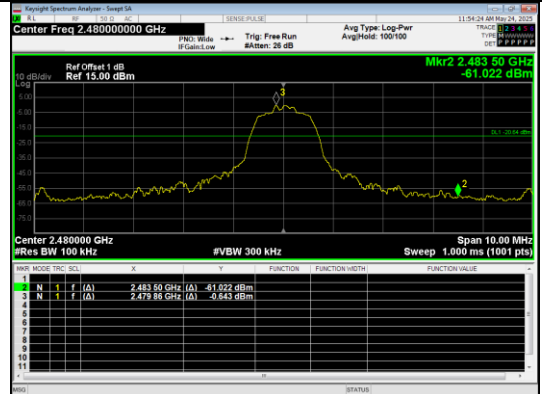
Out Of Band Emission $\pi/4$ DQPSK_2-DH5_Channel 39



30.0 MHz - 25000.0 MHz GFSK_DH5_Channel 39



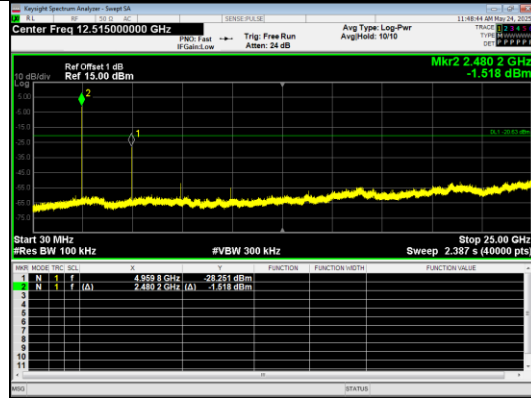
30.0 MHz - 25000.0 MHz $\pi/4$ DQPSK_2-DH5_Channel 39



Out Of Band Emission

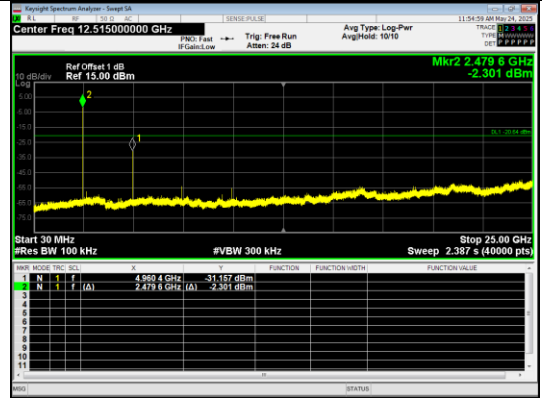
Out Of Band Emission

GFSK_DH5_Channel 78

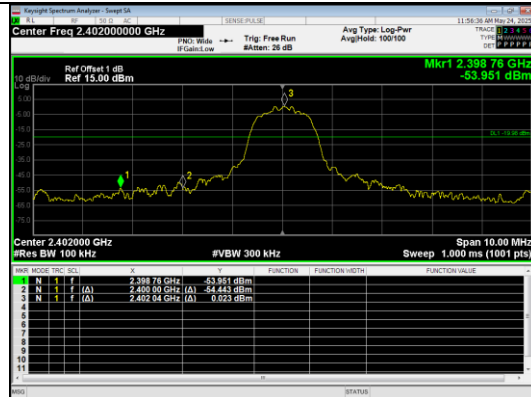


30.0 MHz - 25000.0 MHz
GFSK_DH5_Channel 78

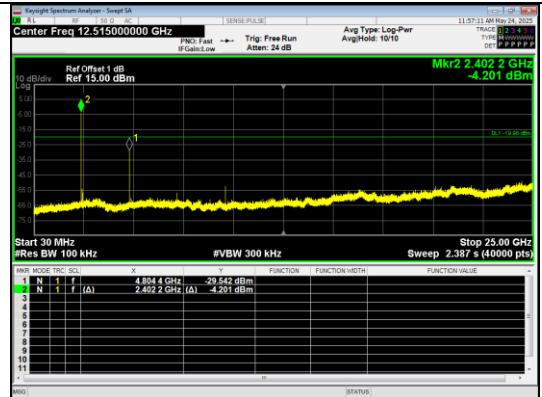
$\pi/4$ DQPSK 2-DH5_Channel 78



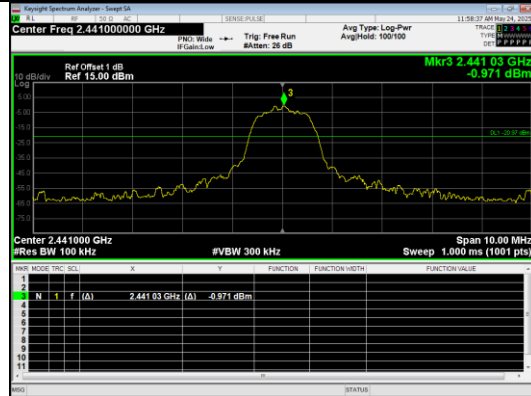
30.0 MHz - 25000.0 MHz
 $\pi/4$ DQPSK 2-DH5_Channel 78



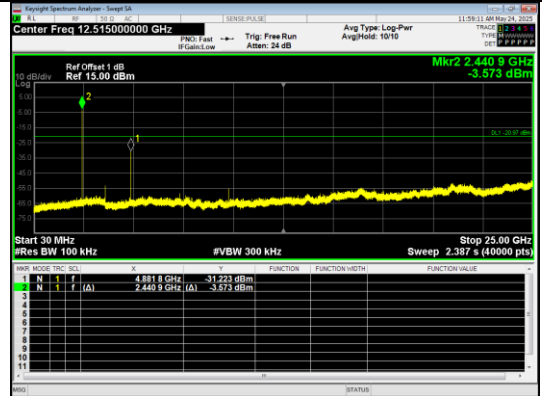
Out Of Band Emission
8DPSK_3-DH5_Channel 0



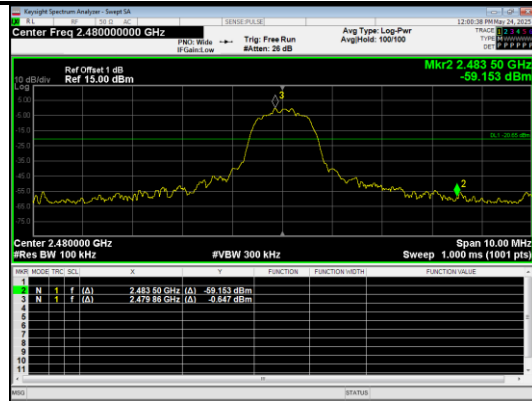
30.0 MHz - 25000.0 MHz
8DPSK_3-DH5_Channel 0



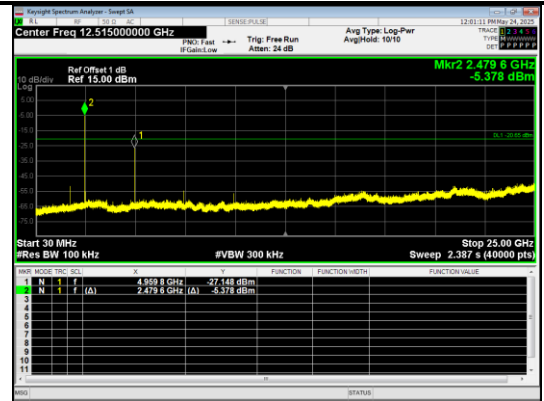
Out Of Band Emission
8DPSK_3-DH5_Channel 39



30.0 MHz - 25000.0 MHz
8DPSK_3-DH5_Channel 39



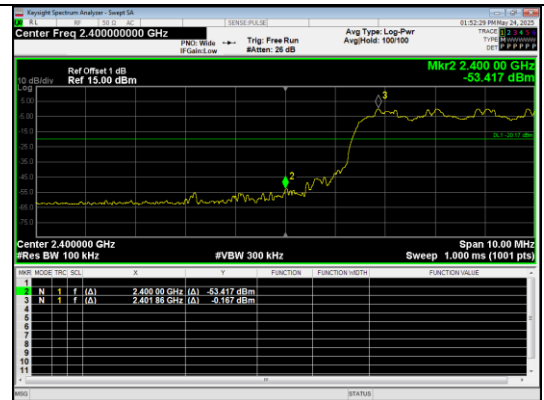
Out Of Band Emission
8DPSK_3-DH5_Channel 78



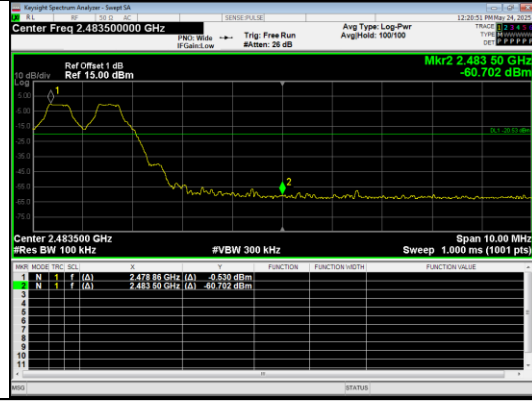
30.0 MHz - 25000.0 MHz
8DPSK_3-DH5_Channel 78



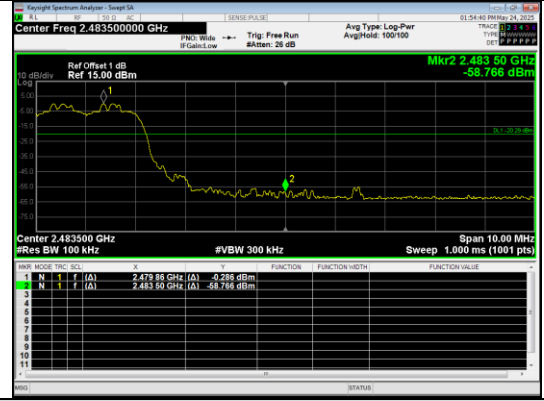
Out Of Band Emission(Left)
GFSK_DH5_Channel Hopping



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

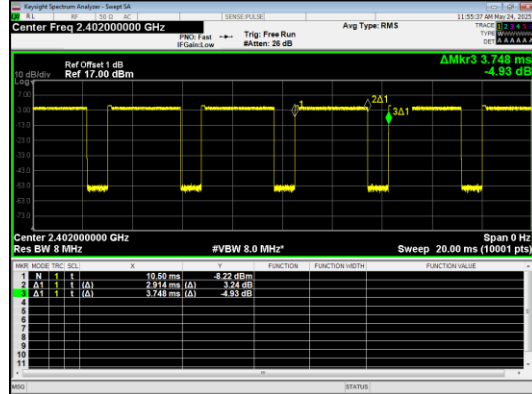
Test Result

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	2.904	3.748	77.48	0.7748	1.1081	0.3444
		78	2.904	3.748	77.48	0.7748	1.1081	0.3444
$\pi/4$ DQPSK	2-DH5	0	2.910	3.748	77.64	0.7764	1.0991	0.3436
		39	2.910	3.748	77.64	0.7764	1.0991	0.3436
		78	2.910	3.748	77.64	0.7764	1.0991	0.3436
8DPSK	3-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

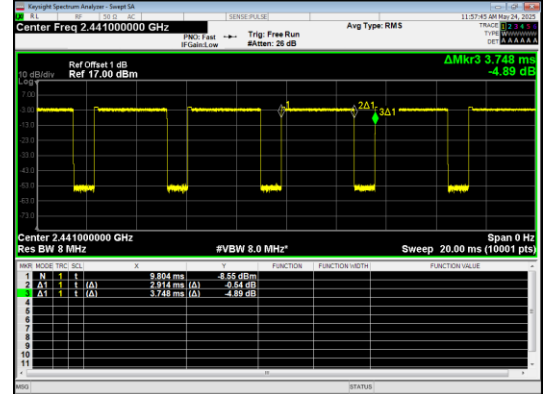
Test Graphs



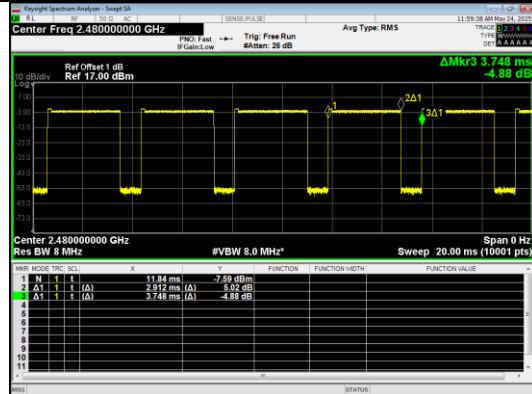
$\pi/4$ DQPSK(2-DH5)_Channel 39



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



8DPSK(3-DH5)_Channel 0



8DPSK(3-DH5)_Channel 39

8DPSK(3-DH5)_Channel 78

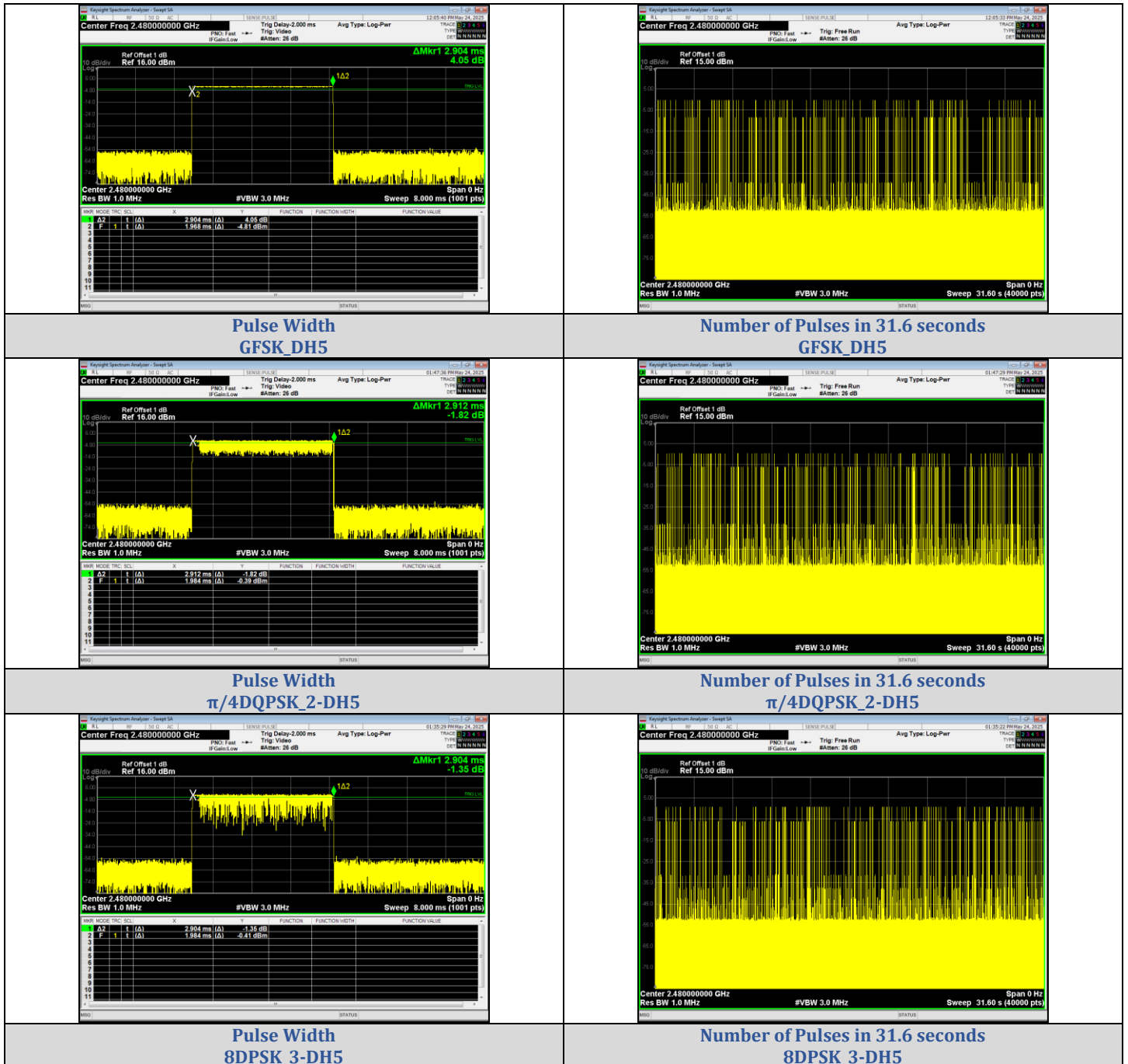


Dwell Time

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	95	275.88	< 400	PASS
$\pi/4$ DQPSK	2-DH5		2.912	94	273.73		PASS
8DPSK	3-DH5		2.904	104	302.02		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

