

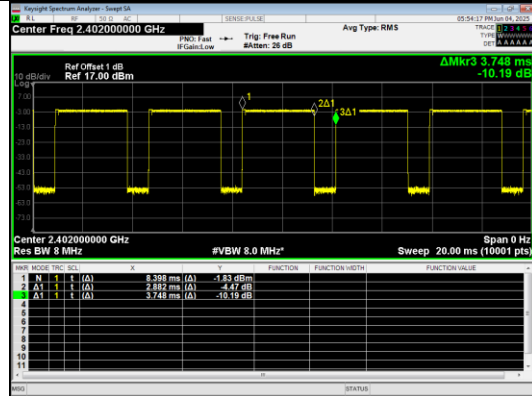
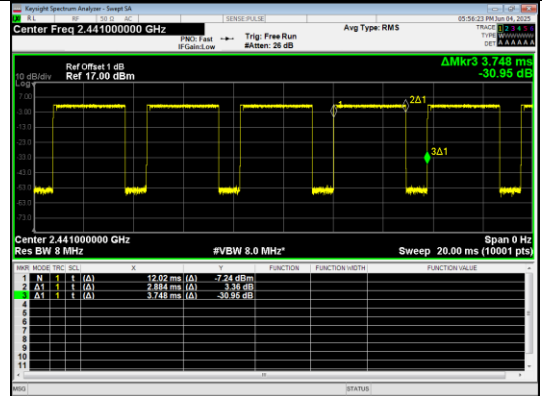
Duty Cycle

Test Result

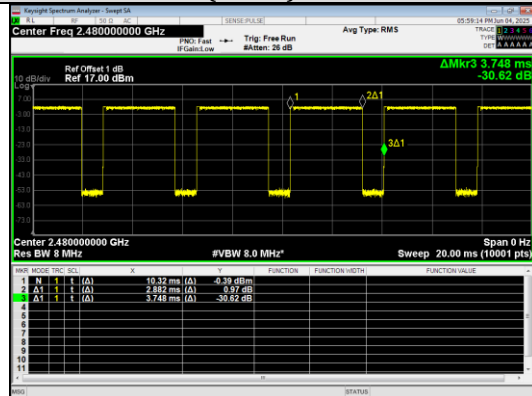
Modulation	Packets	Channel	On Time (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle (linear)	Duty Cycle Factor (dB)	1/T
GFSK	DH5	0	2.894	3.748	77.21	0.7721	1.1233	0.3455
		39	2.894	3.748	77.21	0.7721	1.1233	0.3455
		78	2.896	3.748	77.27	0.7727	1.1199	0.3453
$\pi/4$ DQPSK	2-DH5	0	2.882	3.748	76.89	0.7689	1.1413	0.3470
		39	2.884	3.748	76.95	0.7695	1.1379	0.3467
		78	2.884	3.748	76.95	0.7695	1.1379	0.3467
8DPSK	3-DH5	0	2.882	3.748	76.89	0.7689	1.1413	0.3470
		39	2.884	3.748	76.95	0.7695	1.1379	0.3467
		78	2.882	3.748	76.89	0.7689	1.1413	0.3470

Test Graphs

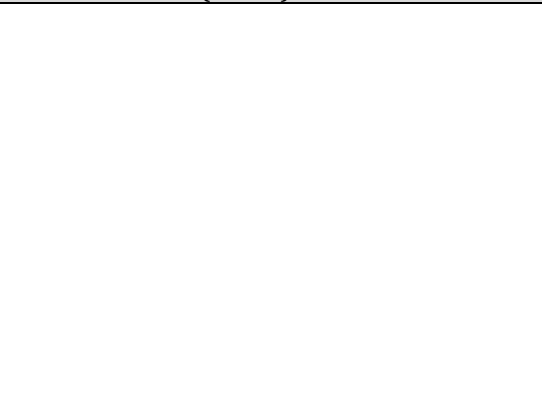


 $\pi/4$ DQPSK(2-DH5)_Channel 39 $\pi/4$ DQPSK(2-DH5)_Channel 78

8DPSK(3-DH5)_Channel 0



8DPSK(3-DH5)_Channel 39



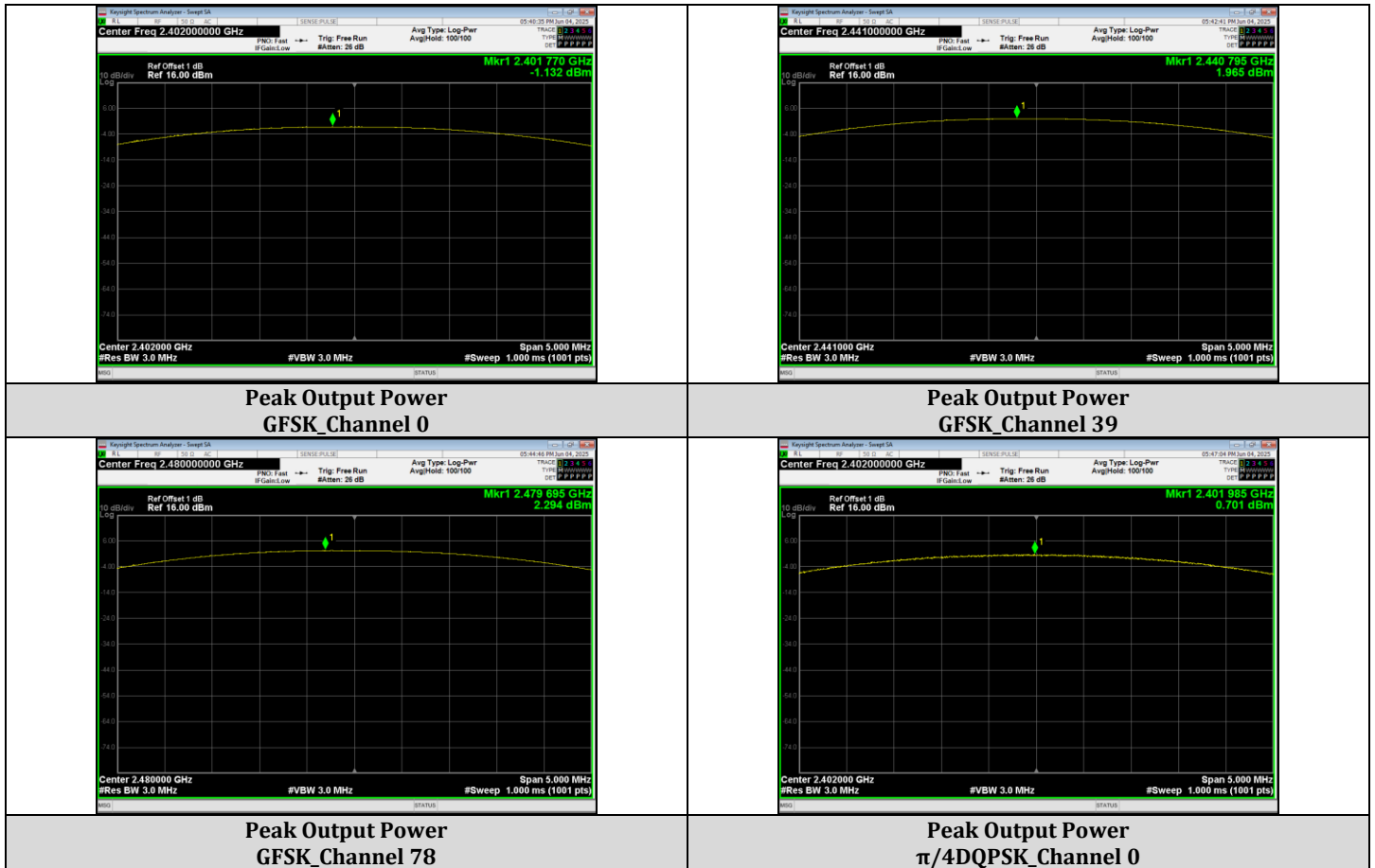
8DPSK(3-DH5)_Channel 78

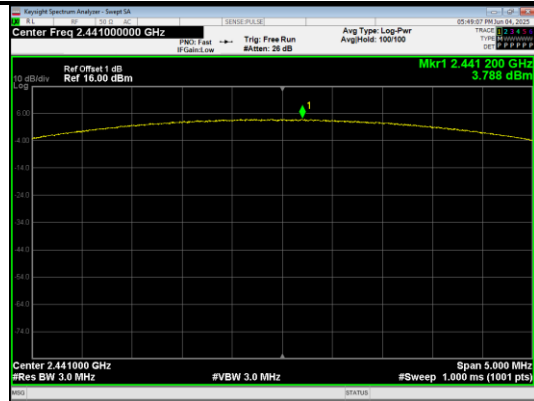
Conducted Output Power

Test Result

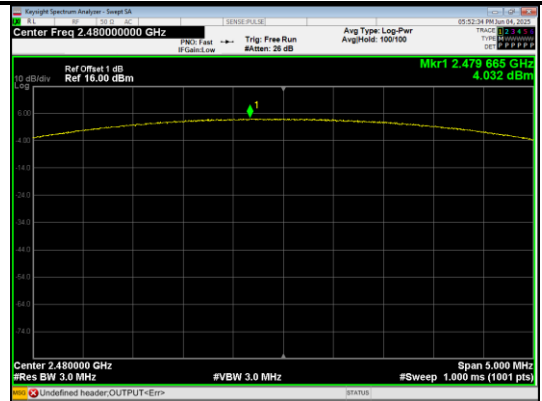
Modulation	Packet Type	Channel	Peak Output Power (dBm)	Limit (dBm)	Result
GFSK	DH5	0	-1.13	≤30	PASS
		39	1.97		PASS
		78	2.29		PASS
$\pi/4$ DQPSK	2-DH5	0	0.70	≤20.97	PASS
		39	3.79		PASS
		78	4.03		PASS
8DPSK	3-DH5	0	1.12		PASS
		39	4.24		PASS
		78	4.51		PASS

Test Graphs

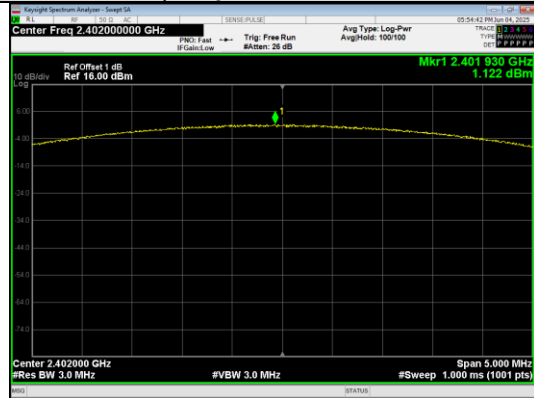




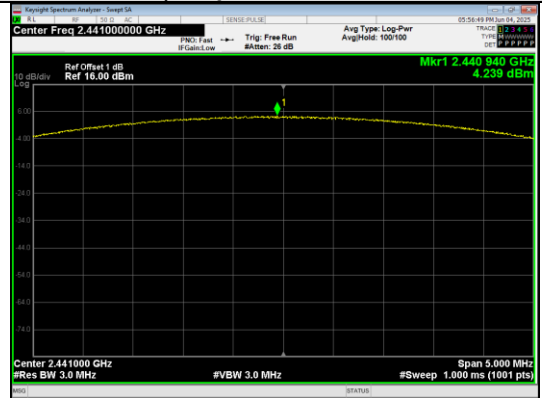
Peak Output Power
 $\pi/4$ DQPSK_Channel 39



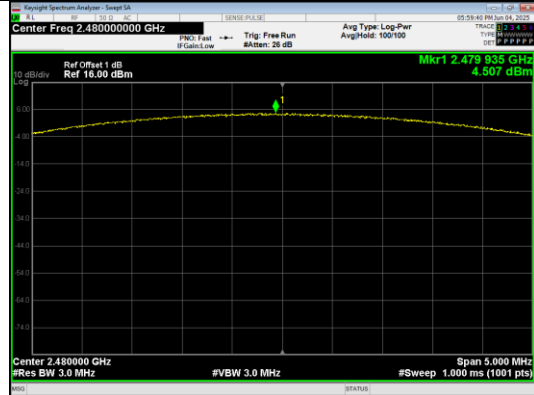
Peak Output Power
 $\pi/4$ DQPSK_Channel 78



Peak Output Power
8DPSK_Channel 0



Peak Output Power
8DPSK_Channel 39



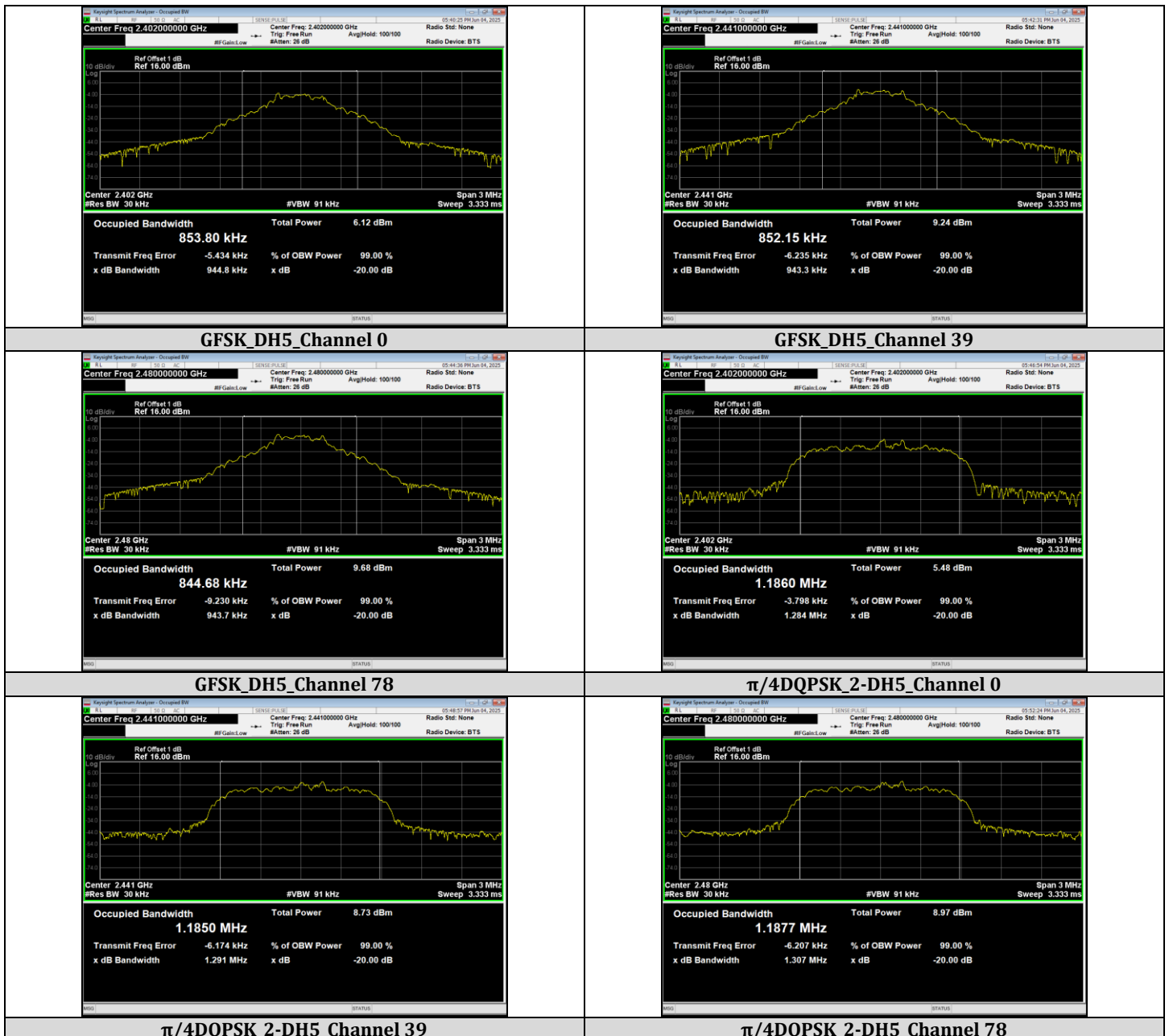
Peak Output Power
8DPSK_Channel 78

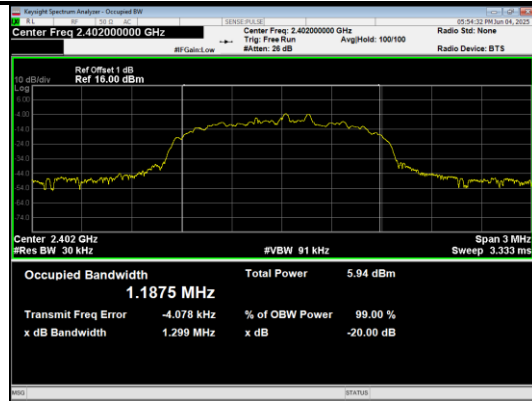
20dB Bandwidth

Test Result

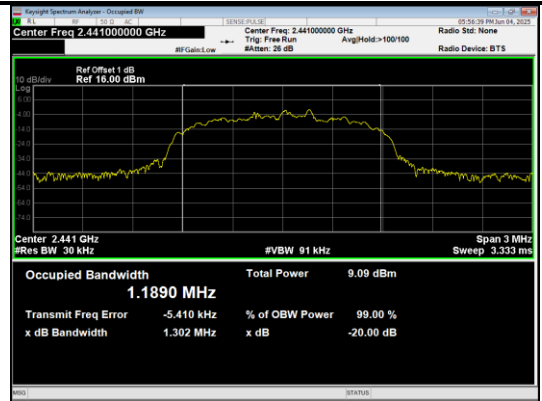
Modulation	Channel	Center Frequency (MHz)	20 dB Bandwidth (MHz)
GFSK	0	2402 MHz	0.9448
	39	2441 MHz	0.9433
	78	2480 MHz	0.9437
$\pi/4$ DQPSK	0	2402 MHz	1.284
	39	2441 MHz	1.291
	78	2480 MHz	1.307
8DPSK	0	2402 MHz	1.299
	39	2441 MHz	1.302
	78	2480 MHz	1.303

Test Graphs

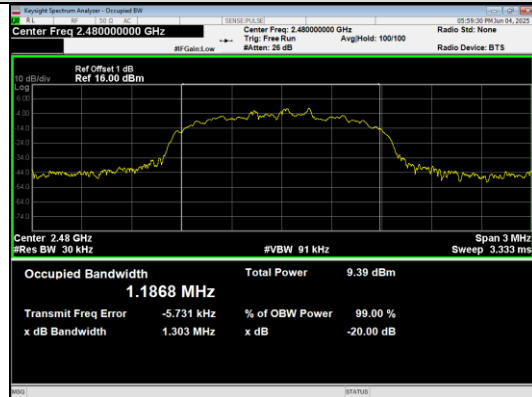




8DPSK_3-DH5_Channel 0



8DPSK_3-DH5_Channel 39



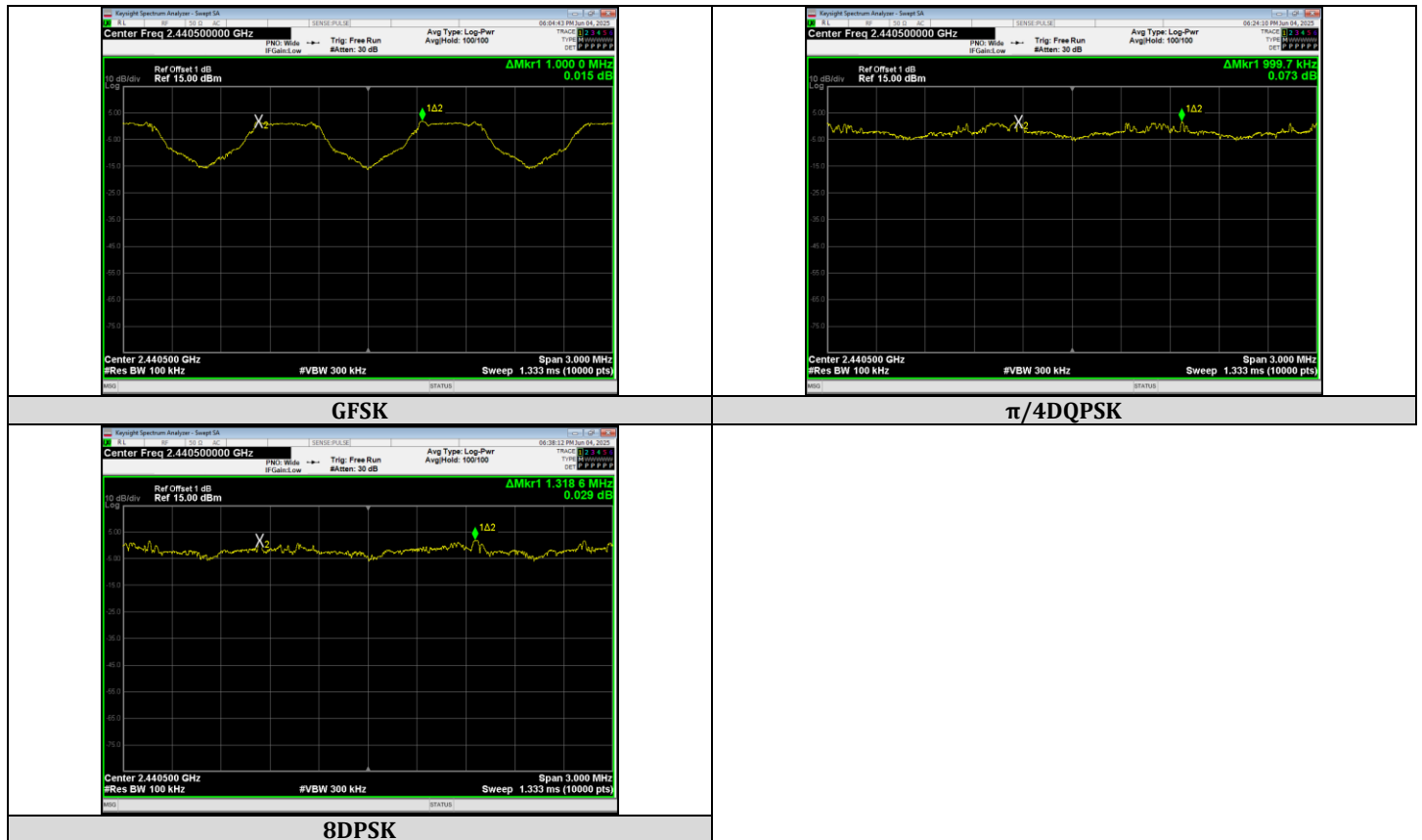
8DPSK_3-DH5_Channel 78

Carrier Frequencies Separation

Test Result

Modulation	Packet	Left Center frequency (MHz)	Right Center frequency (MHz)	Hopping Frequency Separation (MHz)	Limit (MHz)	Result
GFSK	DH5	2439.8311	2440.8311	1.0000	0.63	PASS
$\pi/4$ DQPSK	2-DH5	2440.1713	2441.171	0.9997	0.871	PASS
8DPSK	3-DH5	2439.8371	2441.1557	1.3186	0.869	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

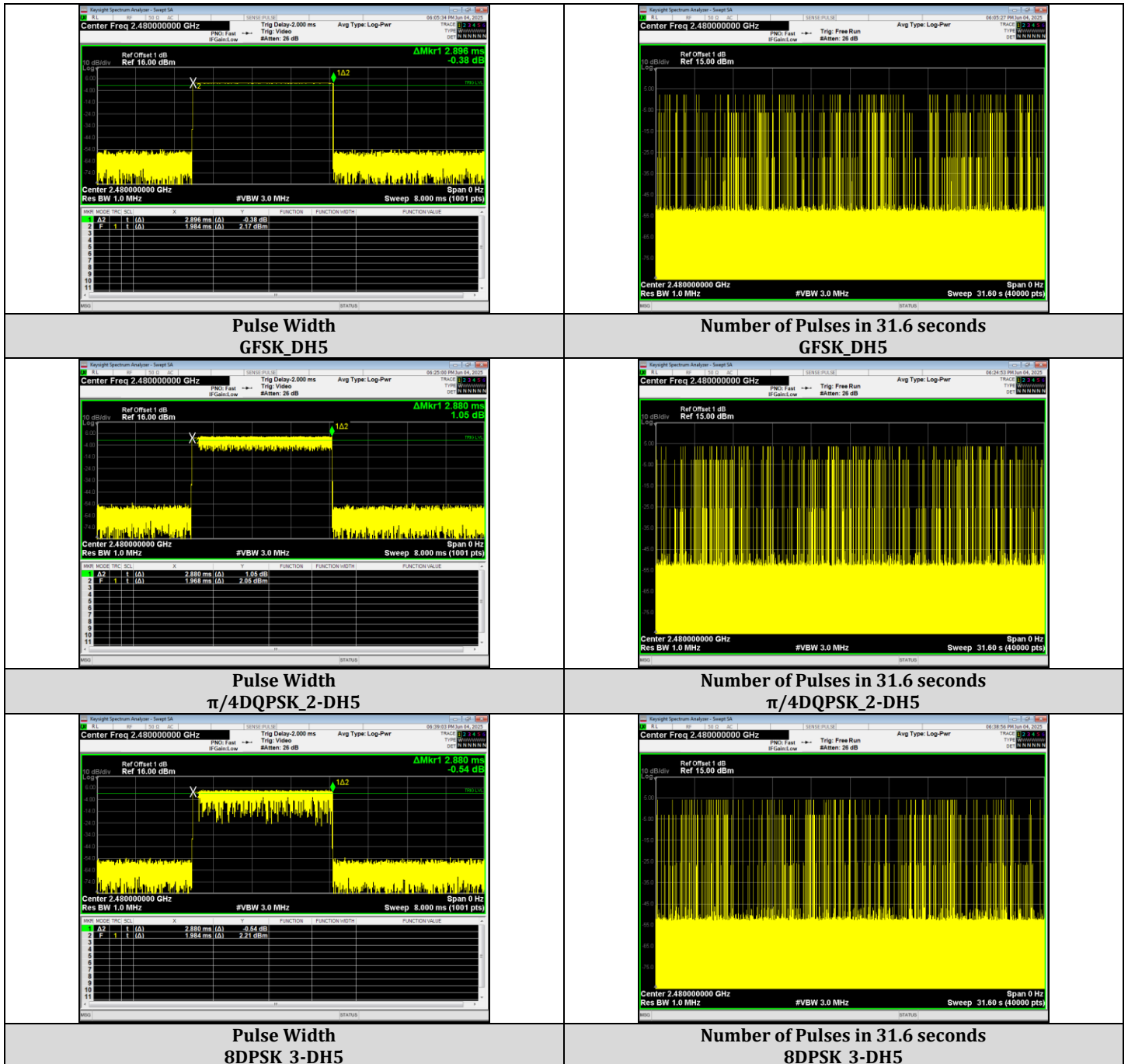


Dwell Time

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	100	289.6	< 400	PASS
$\pi/4$ DQPSK	2-DH5		2.880	108	311.04		PASS
8DPSK	3-DH5		2.880	100	288.0		PASS

Test Graphs



Conducted Out Of Band Emission

Test Result

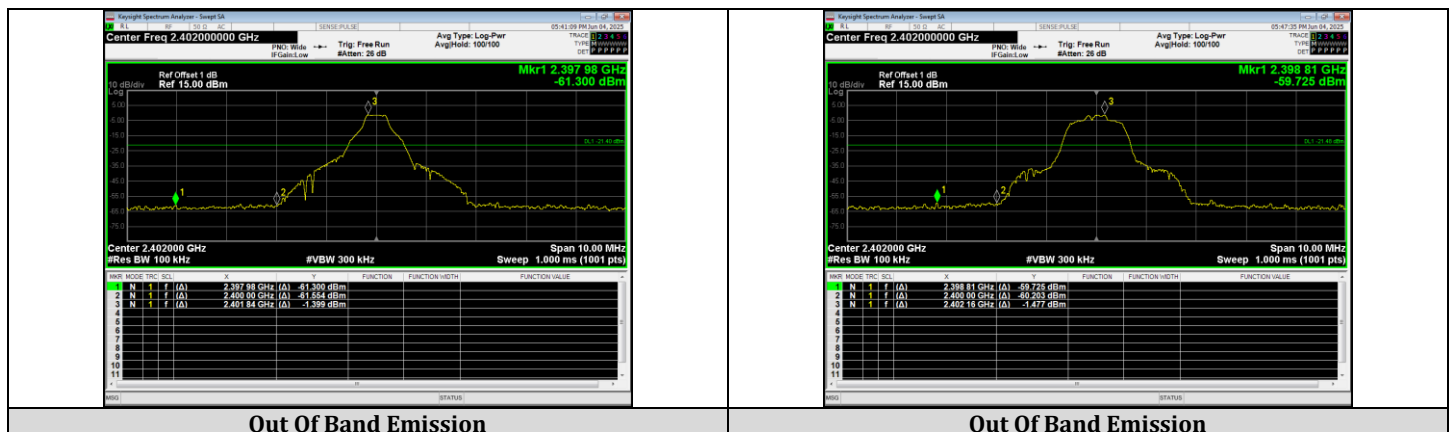
Non-Hopping

Modulation	Packet	Channel	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result
GFSK	DH5	0	2397.98	-61.300	-21.4	-39.900	PASS
			2400.00	-61.554	-21.4	-40.154	PASS
			24950.1	-49.776	-21.4	-28.376	PASS
		39	24970.7	-50.224	-18.26	-31.964	PASS
		78	2483.50	-62.405	-17.94	-44.465	PASS
			24948.8	-49.464	-17.94	-31.524	PASS
$\pi/4$ DQPSK	2-DH5	0	2398.81	-59.725	-21.48	-38.245	PASS
			2400.00	-60.203	-21.48	-38.723	PASS
			24442.5	-50.017	-21.48	-28.537	PASS
		39	24940.1	-49.713	-18.55	-31.163	PASS
		78	2483.50	-61.516	-18.19	-43.326	PASS
			24500.0	-50.129	-18.19	-31.939	PASS
8DPSK	3-DH5	0	2400.00	-59.856	-21.46	-38.396	PASS
			24996.2	-49.362	-21.46	-27.902	PASS
		39	24353.9	-50.213	-18.29	-31.923	PASS
		78	2483.50	-60.476	-17.95	-42.526	PASS
			24963.2	-49.819	-17.95	-31.869	PASS

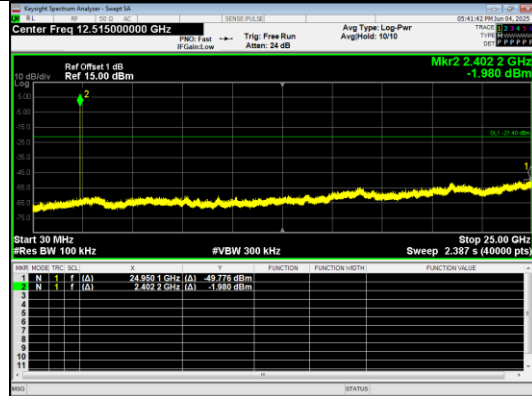
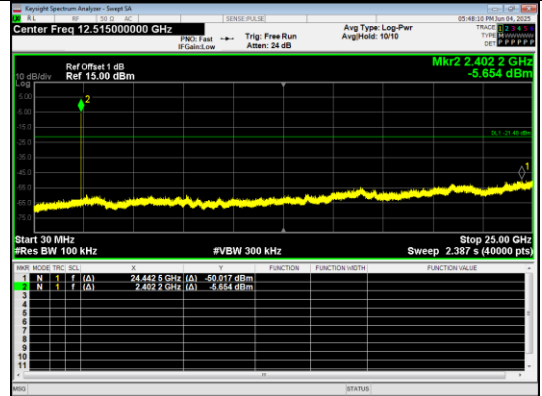
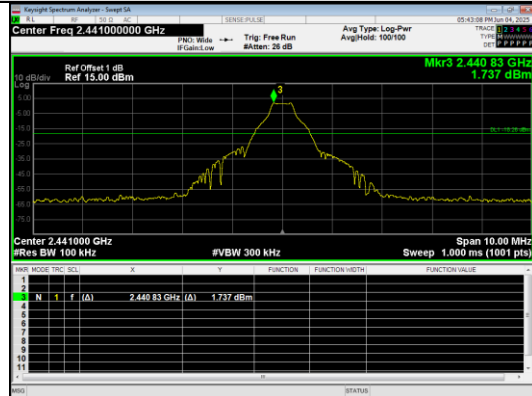
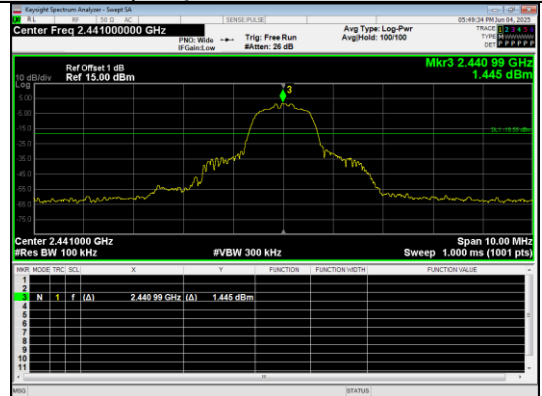
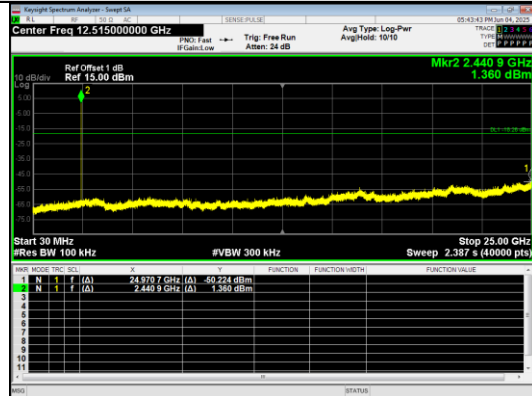
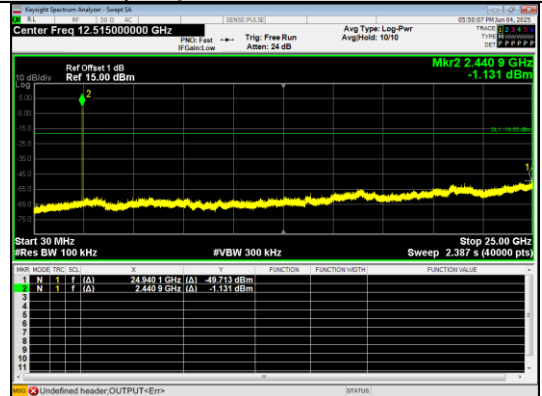
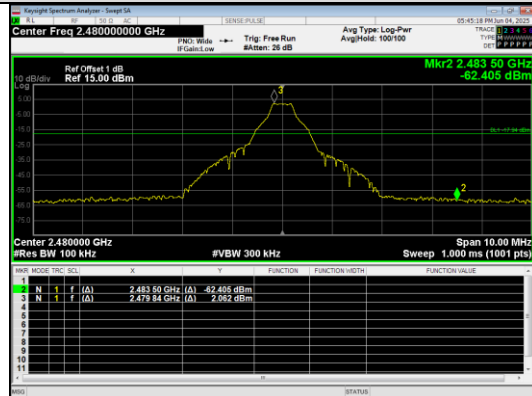
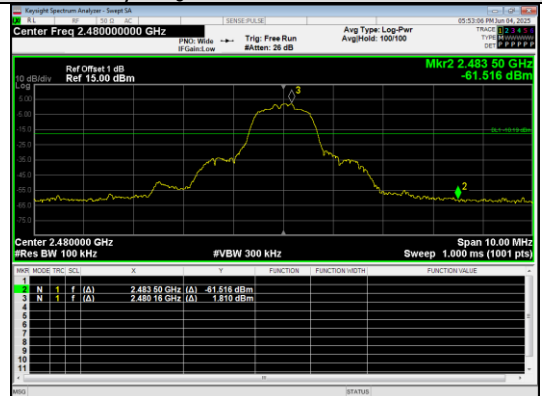
Hopping

Modulation	Packet	Channel	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result
GFSK	DH5	Hopping	2398.95	-60.453	-20.97	-39.483	PASS
			2400.00	-61.364	-20.97	-40.394	PASS
			2483.50	-61.916	-17.61	-44.306	PASS
$\pi/4$ DQPSK	2-DH5		2400.00	-60.019	-21.16	-38.859	PASS
			2483.50	-61.699	-17.8	-43.899	PASS
8DPSK	3-DH5		2396.34	-60.950	-20.99	-39.960	PASS
			2400.00	-61.338	-20.99	-40.348	PASS
			2483.50	-61.814	-17.54	-44.274	PASS

Test Graphs

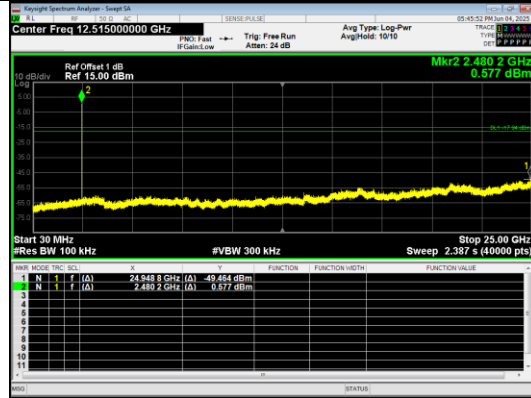


GFSK_DH5_Channel 0

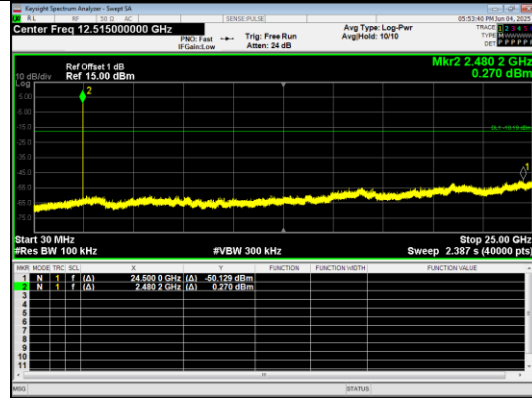

 $\pi/4$ DQPSK_2-DH5_Channel 0

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

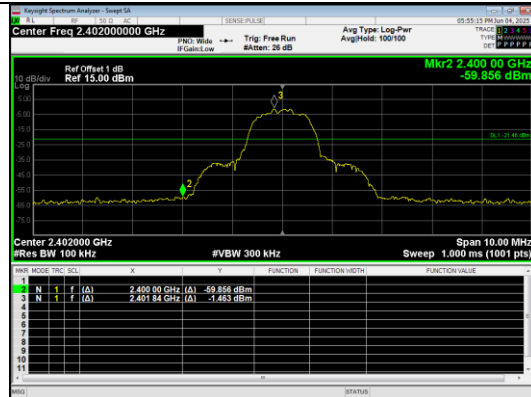
Out Of Band Emission

GFSK_DH5_Channel 78


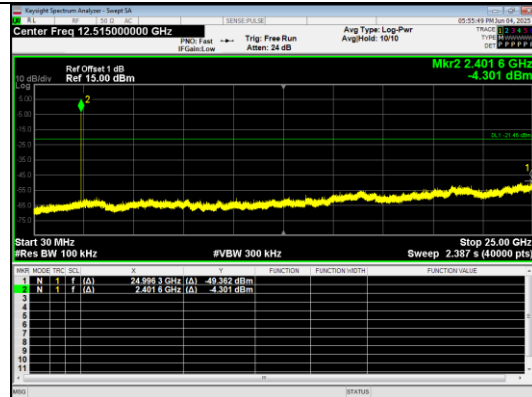
30.0 MHz - 25000.0 MHz
GFSK_DH5_Channel 78

 $\pi/4$ DQPSK 2-DH5_Channel 78


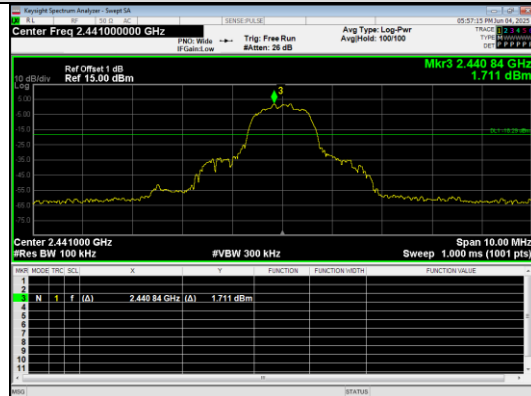
30.0 MHz - 25000.0 MHz
 $\pi/4$ DQPSK 2-DH5_Channel 78



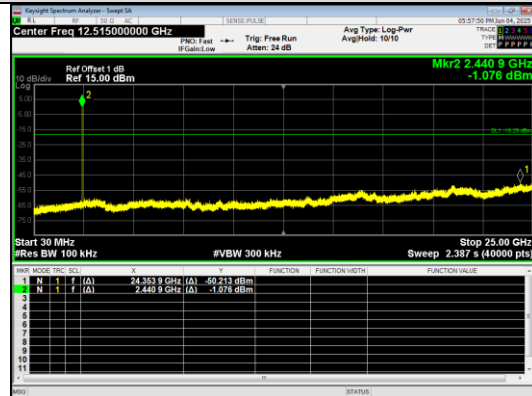
Out Of Band Emission
8DPSK_3-DH5_Channel 0



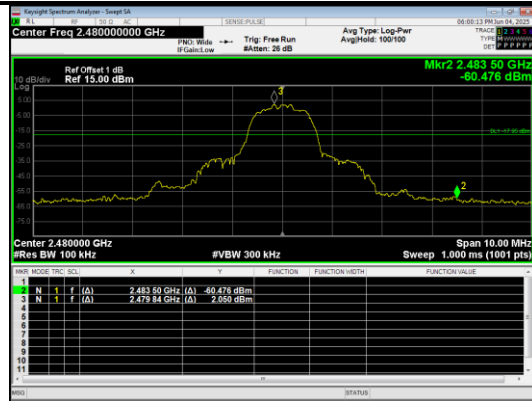
30.0 MHz - 25000.0 MHz
8DPSK_3-DH5_Channel 0



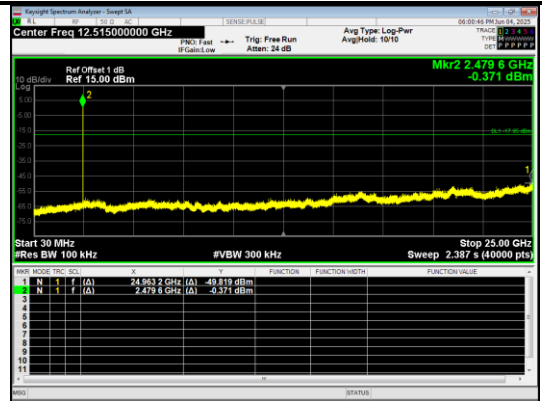
Out Of Band Emission
8DPSK_3-DH5_Channel 39



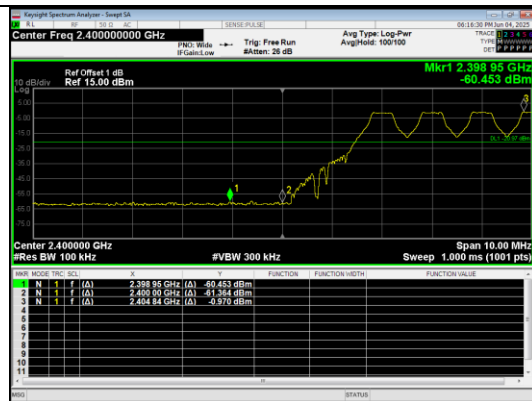
30.0 MHz - 25000.0 MHz
8DPSK_3-DH5_Channel 39



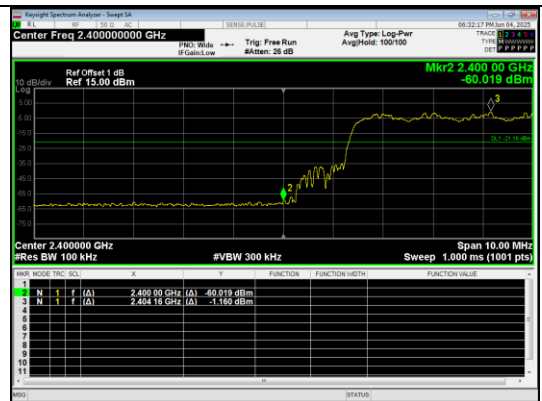
Out Of Band Emission
8DPSK_3-DH5_Channel 78



30.0 MHz - 25000.0 MHz
8DPSK_3-DH5_Channel 78



Out Of Band Emission (Left)
GFSK_DH5_Channel Hopping



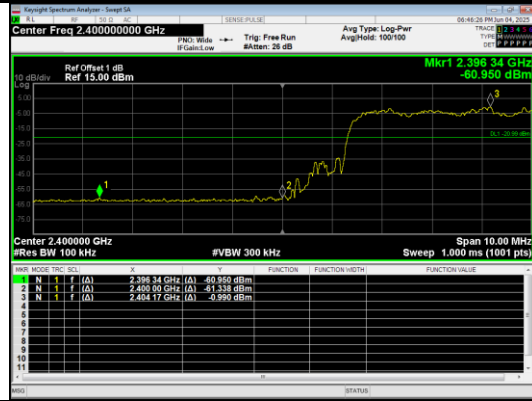
Out Of Band Emission (Left)
 $\pi/4$ DQPSK_2-DH5_Channel Hopping



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

***** End of Report *****