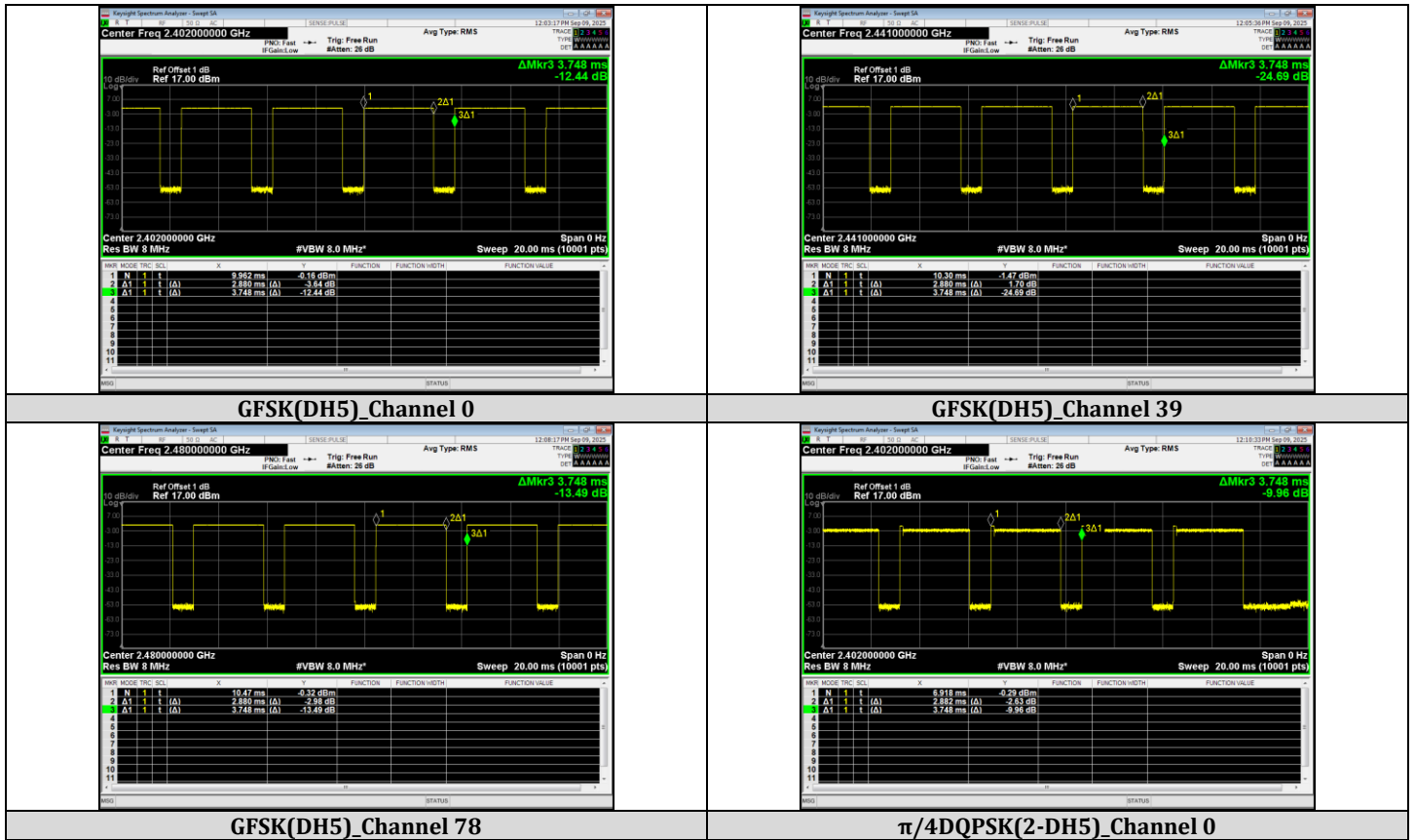
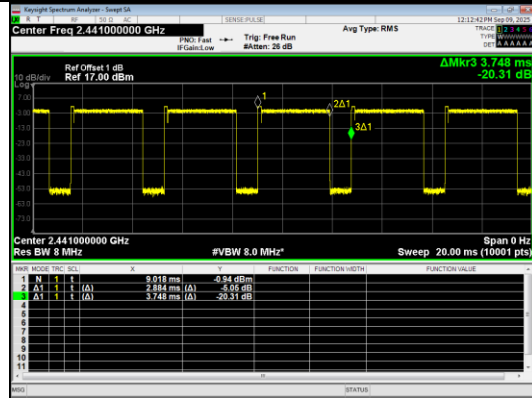
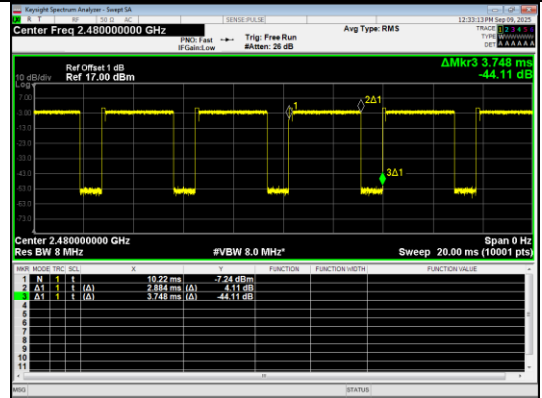
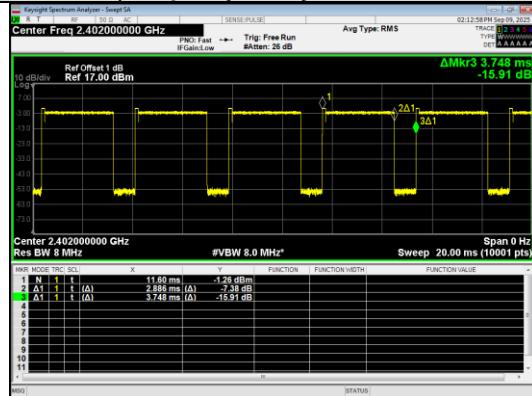


Duty Cycle Test Result

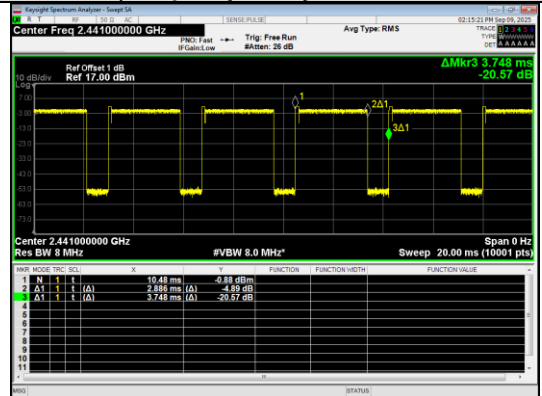
Modulation	Packets	Channel	On Time (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle (linear)	Duty Cycle Factor (dB)	1/T
GFSK	DH5	0	2.880	3.748	76.84	0.7684	1.1441	0.3472
		39	2.880	3.748	76.84	0.7684	1.1441	0.3472
		78	2.880	3.748	76.84	0.7684	1.1441	0.3472
$\pi/4$ DQPSK	2-DH5	0	2.882	3.748	76.89	0.7689	1.1413	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	2.886	3.748	77.00	0.7700	1.1351	0.3465
		39	2.886	3.748	77.00	0.7700	1.1351	0.3465
		78	2.886	3.748	77.00	0.7700	1.1351	0.3465

Test Graphs

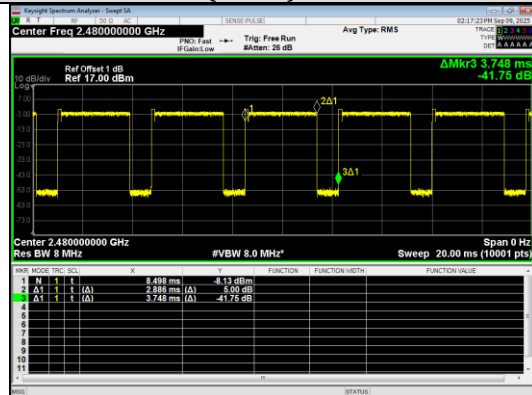



 $\pi/4$ DQPSK(2-DH5)_Channel 39

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


8DPSK(3-DH5)_Channel 0



8DPSK(3-DH5)_Channel 39



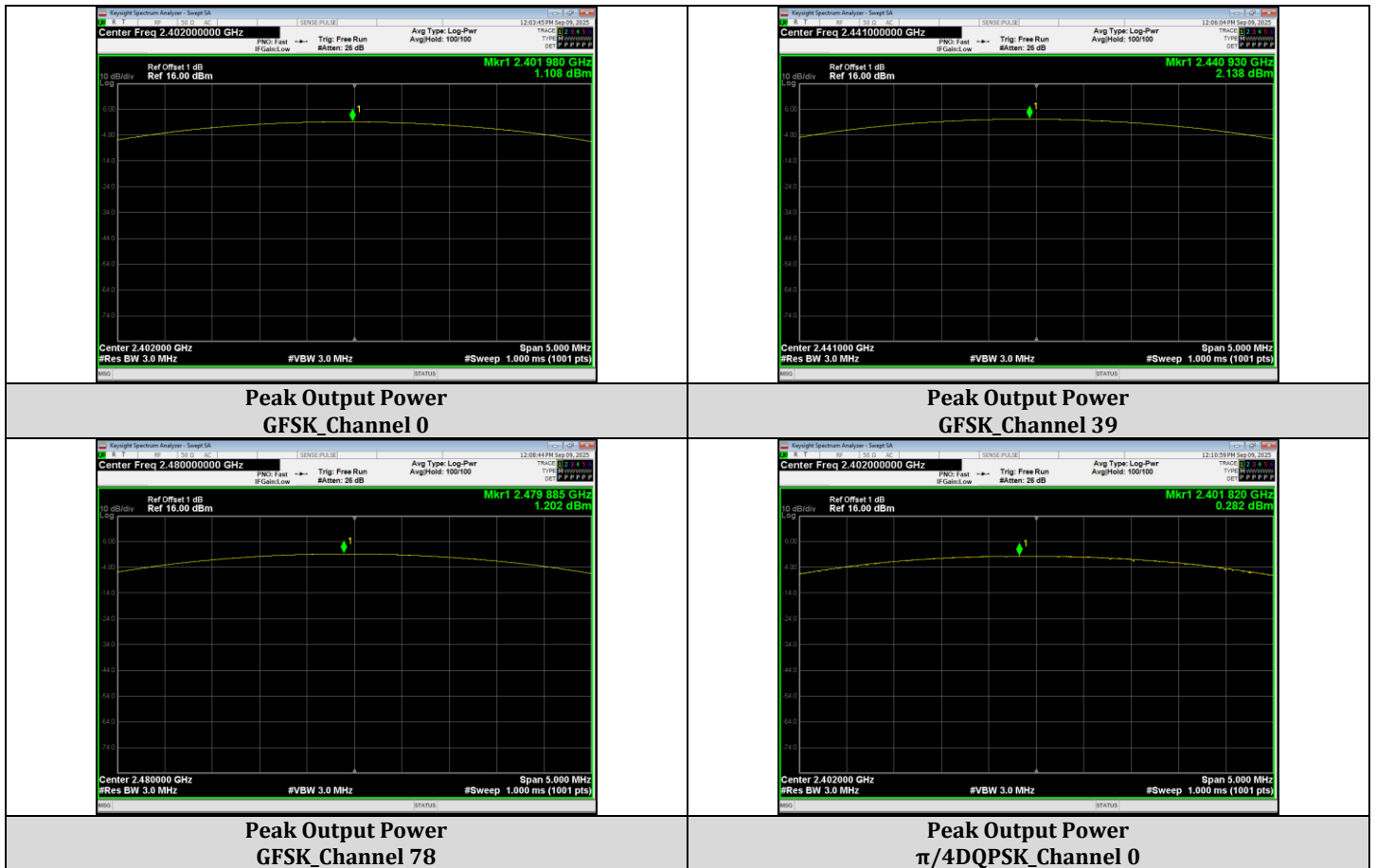
8DPSK(3-DH5)_Channel 78

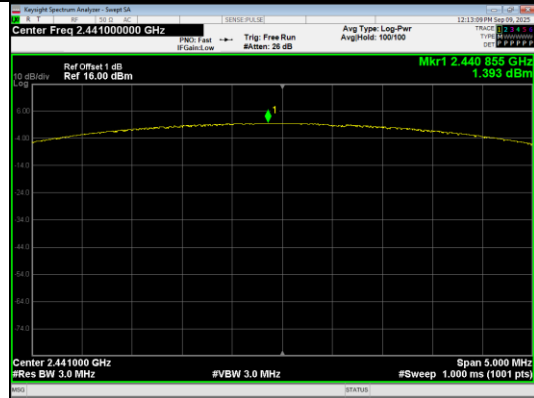
Conducted Output Power

Test Result

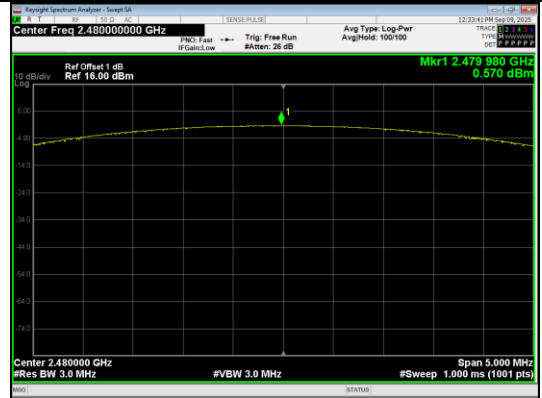
Modulation	Packet Type	Channel	Peak Output Power (dBm)	Limit (dBm)	Result
GFSK	DH5	0	1.11	≤30	PASS
		39	2.14		PASS
		78	1.20		PASS
$\pi/4$ DQPSK	2-DH5	0	0.28	≤20.97	PASS
		39	1.39		PASS
		78	0.57		PASS
8DPSK	3-DH5	0	0.40		PASS
		39	1.48		PASS
		78	0.47		PASS

Test Graphs

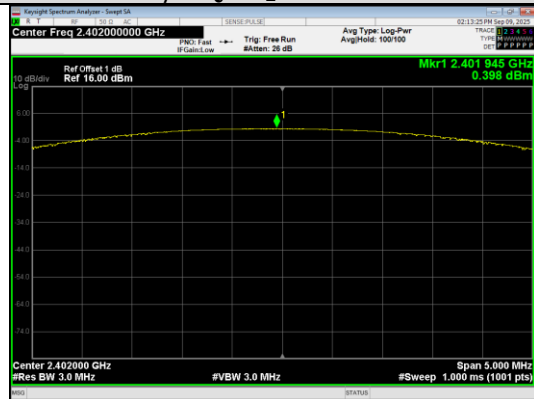




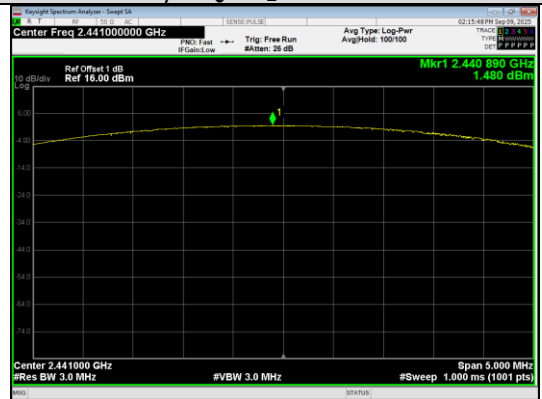
Peak Output Power
 $\pi/4$ DQPSK_Channel 39



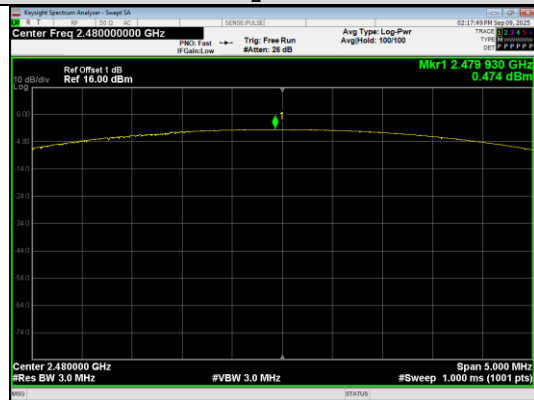
Peak Output Power
 $\pi/4$ DQPSK_Channel 78



Peak Output Power
8DPSK_Channel 0



Peak Output Power
8DPSK_Channel 39



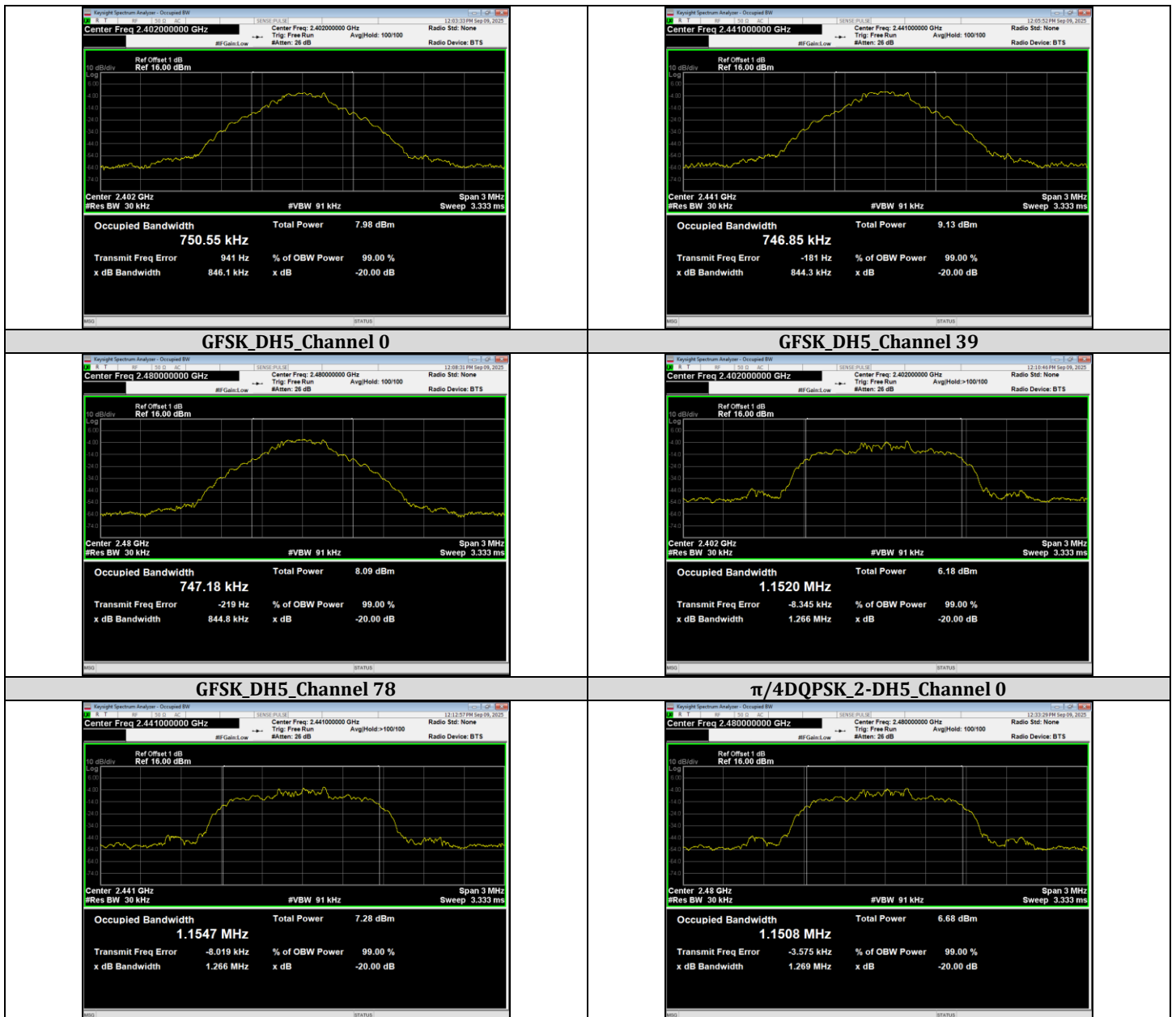
Peak Output Power
8DPSK_Channel 78

20dB Bandwidth

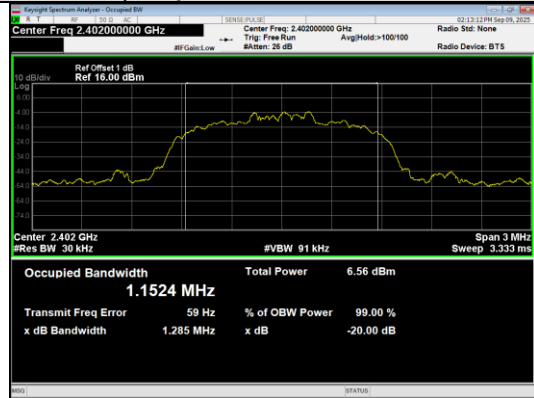
Test Result

Modulation	Channel	Center Frequency (MHz)	20 dB Bandwidth (MHz)
GFSK	0	2402 MHz	0.846
	39	2441 MHz	0.844
	78	2480 MHz	0.845
$\pi/4$ DQPSK	0	2402 MHz	1.266
	39	2441 MHz	1.266
	78	2480 MHz	1.269
8DPSK	0	2402 MHz	1.285
	39	2441 MHz	1.264
	78	2480 MHz	1.288

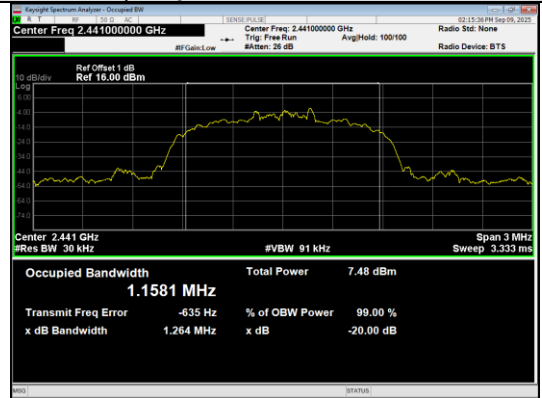
Test Graphs



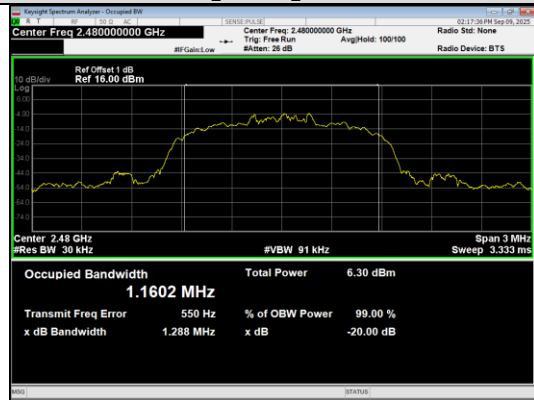
$\pi/4$ DQPSK 2-DH5_Channel 39



$\pi/4$ DQPSK 2-DH5_Channel 78



8DPSK 3-DH5_Channel 0



8DPSK 3-DH5_Channel 39

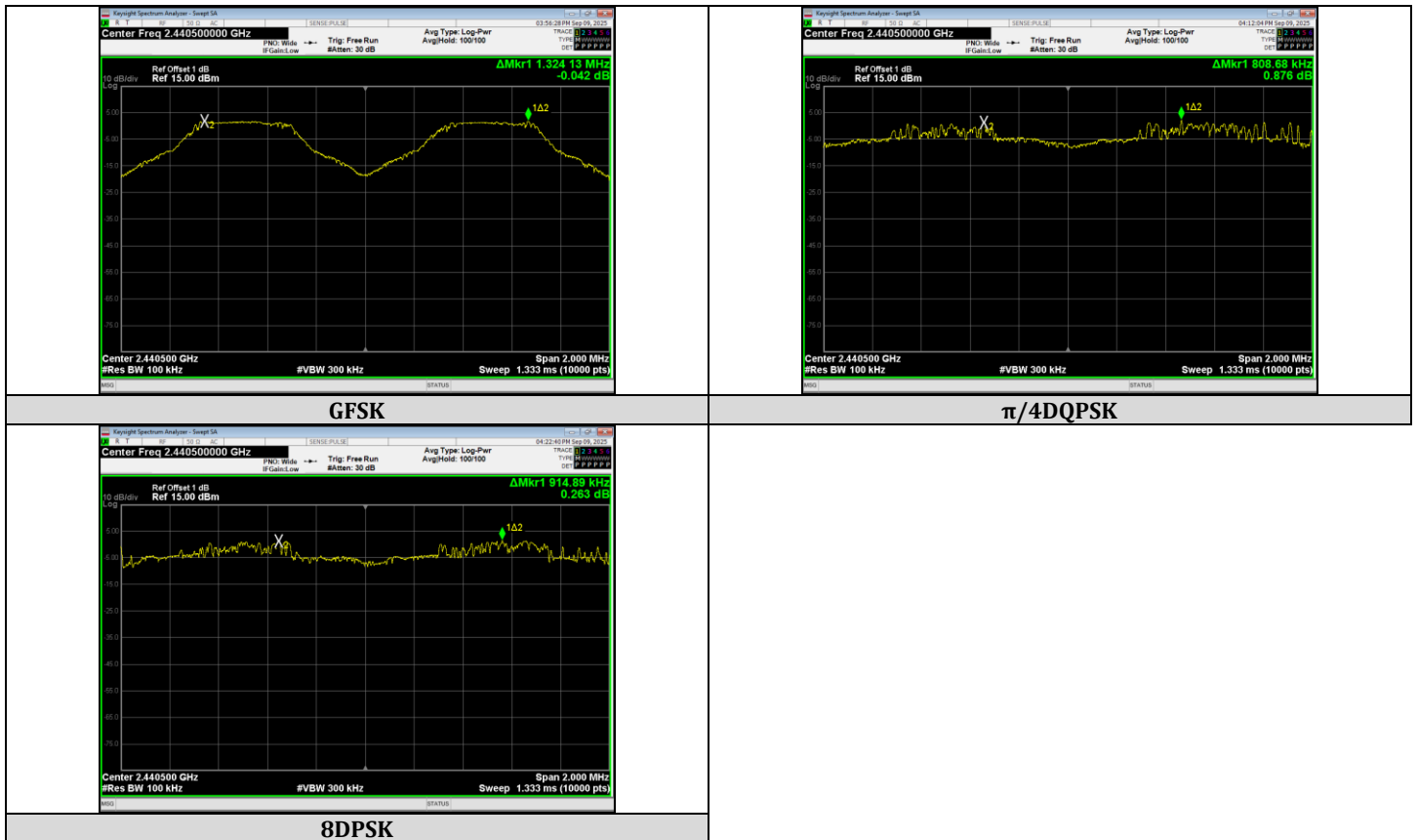
8DPSK 3-DH5_Channel 78

Carrier Frequencies Separation

Test Result

Modulation	Packet	Left Center frequency (MHz)	Right Center frequency (MHz)	Hopping Frequency Separation (MHz)	Limit (MHz)	Result
GFSK	DH5	2439.8414	2441.1656	1.3241	0.564	PASS
$\pi/4$ DQPSK	2-DH5	2440.1549	2440.9635	0.8087	0.846	PASS
8DPSK	3-DH5	2440.1449	2441.0598	0.9149	0.859	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

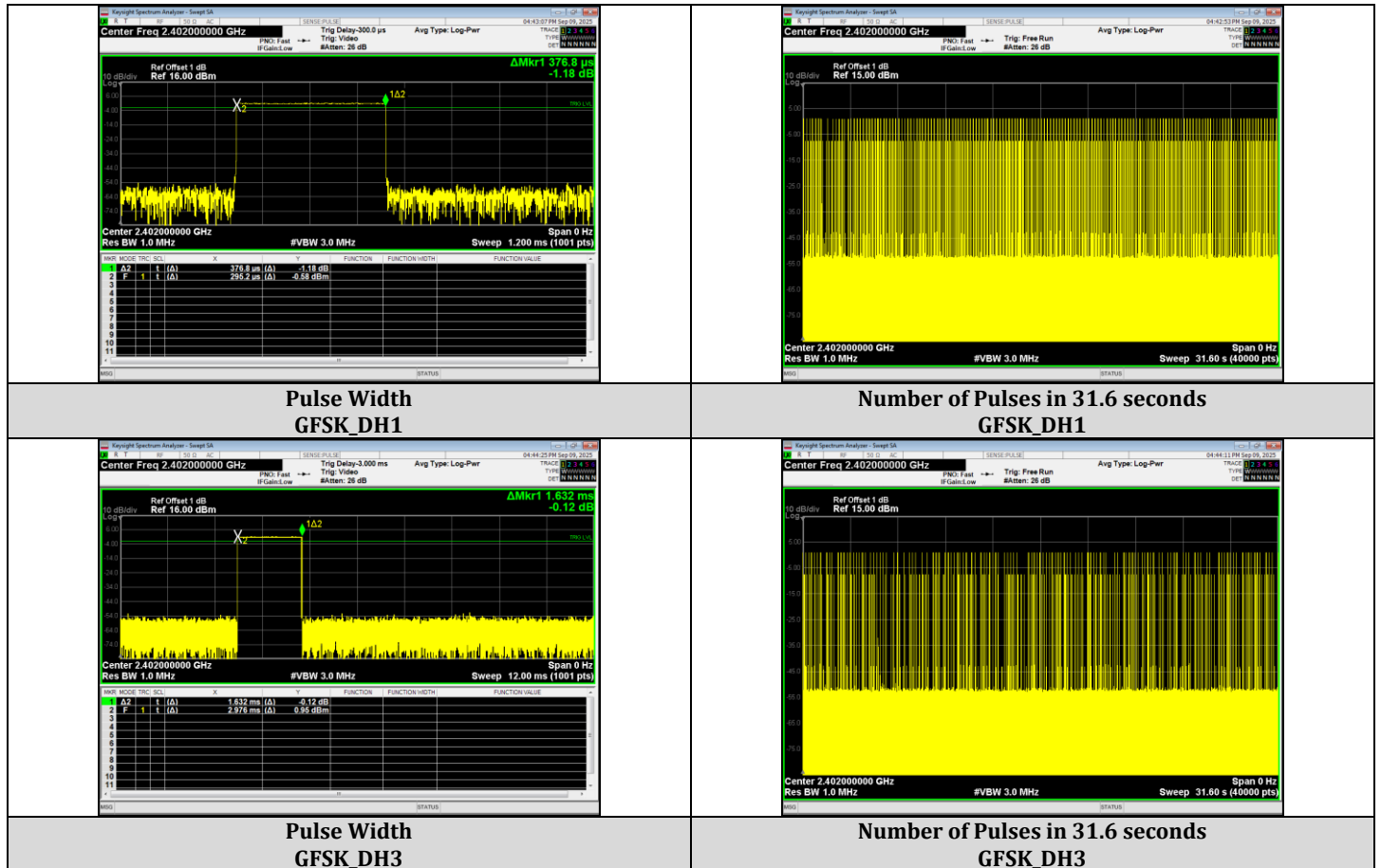


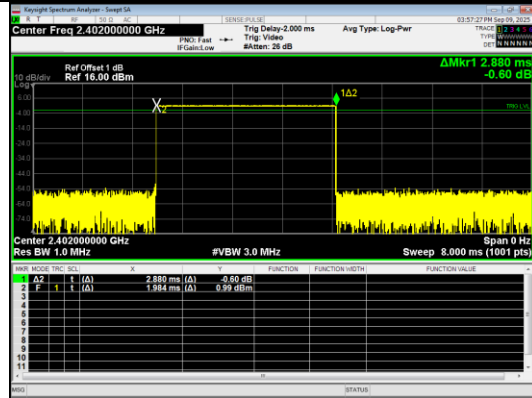
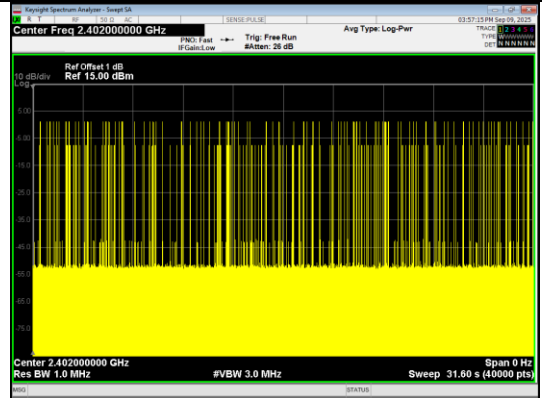
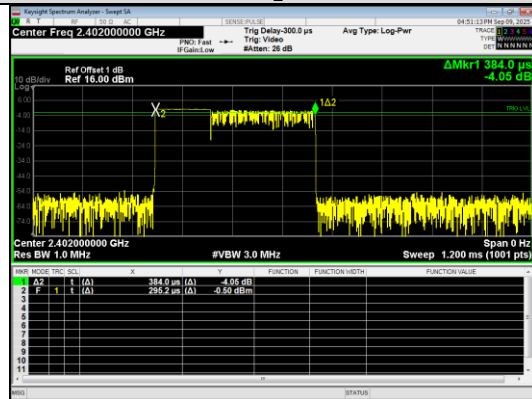
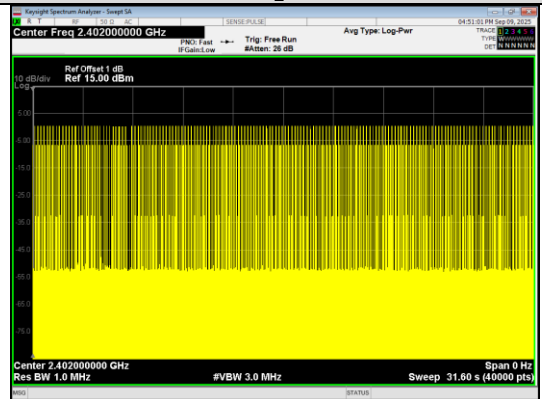
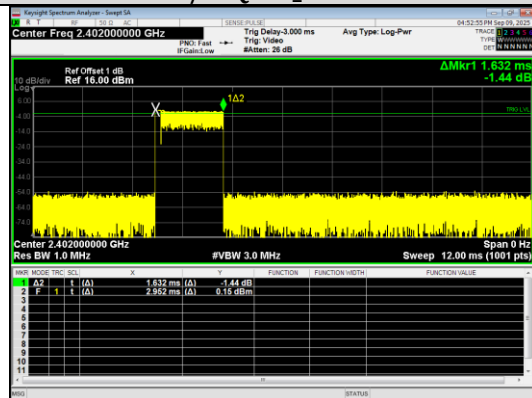
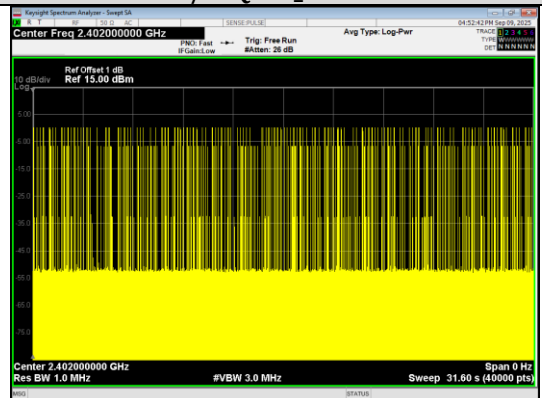
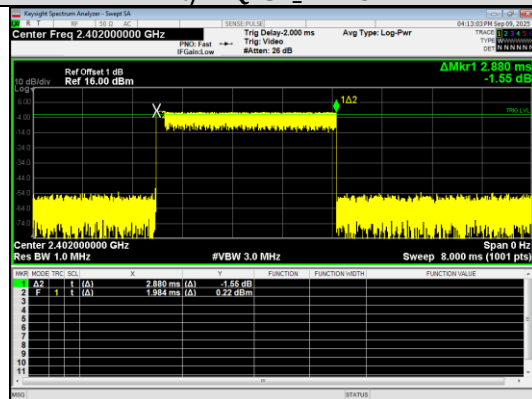
Dwell Time

Test Result

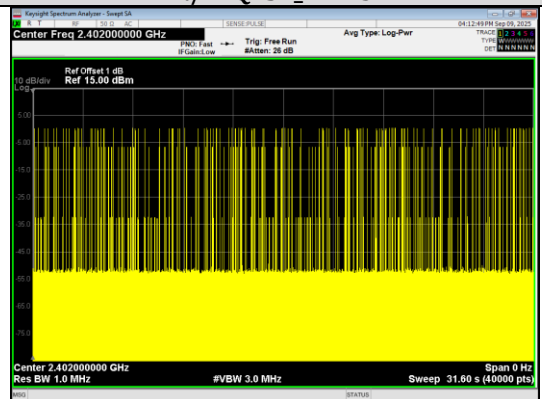
Modulation	Packet	Channel	Pulse Width (ms)	Number of Pulses in 31.6 seconds	Dwell Time (ms)	Limit (ms)	Result
GFSK	DH1	Hopping	0.3768	305	114.92	< 400	PASS
	DH3		1.632	168	274.18		PASS
	DH5		2.880	107	308.16		PASS
$\pi/4$ DQPSK	2-DH1		0.3840	306	117.5		PASS
	2-DH3		1.632	170	277.44		PASS
	2-DH5		2.880	124	357.12		PASS
8DPSK	3-DH1		0.3852	308	118.64		PASS
	3-DH3		1.632	143	233.38		PASS
	3-DH5		2.880	99	285.12		PASS

Test Graphs

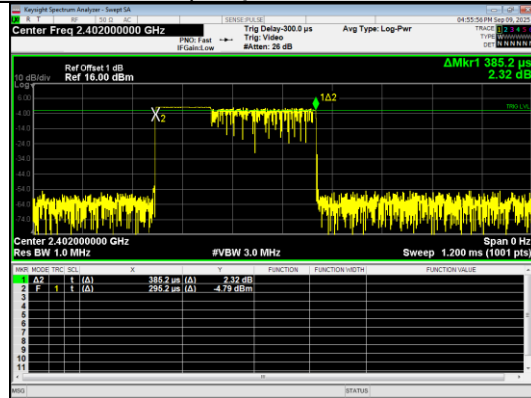
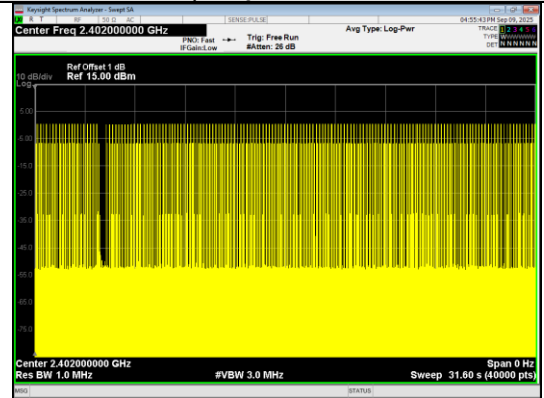
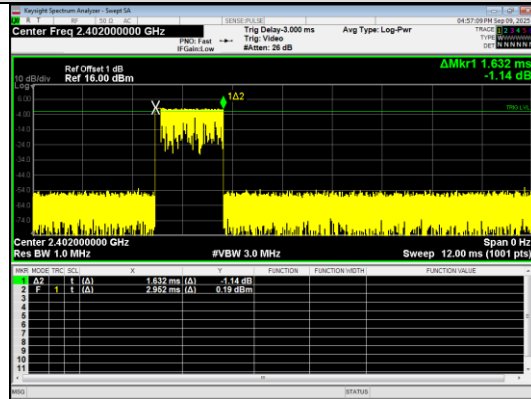
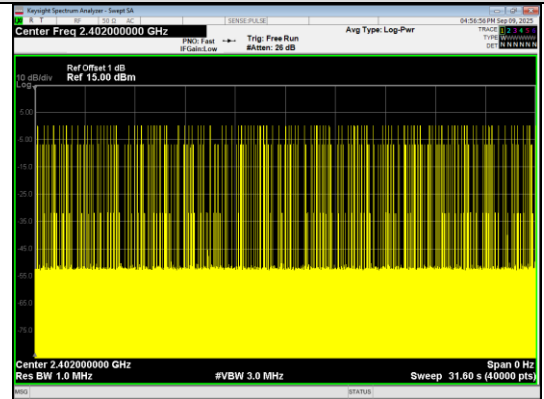
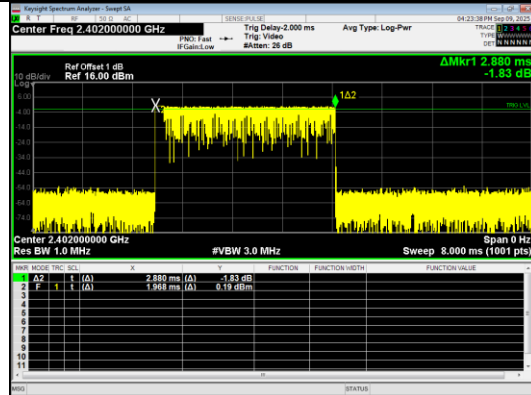
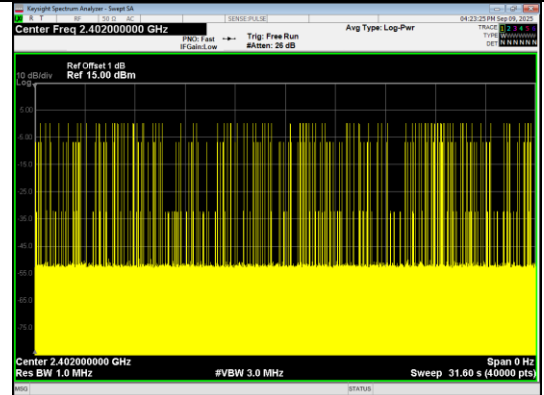
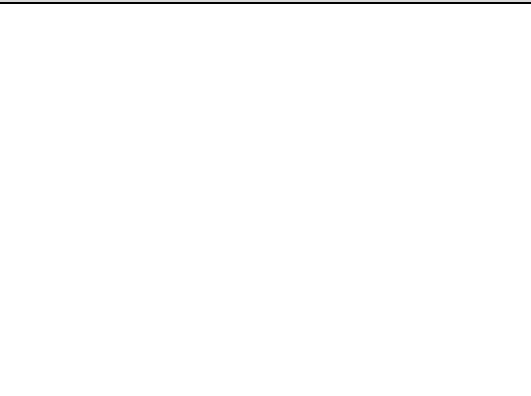
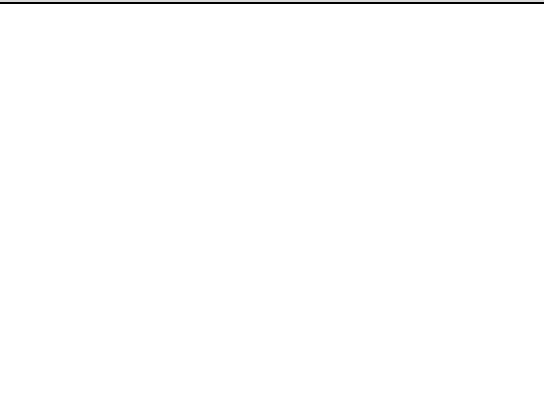



Pulse Width
GFSK_DH5

Number of Pulses in 31.6 seconds
GFSK_DH5

Pulse Width
 $\pi/4$ DQPSK_2-DH1

Number of Pulses in 31.6 seconds
 $\pi/4$ DQPSK_2-DH1

Pulse Width
 $\pi/4$ DQPSK_2-DH3

Number of Pulses in 31.6 seconds
 $\pi/4$ DQPSK_2-DH3


Pulse Width



Number of Pulses in 31.6 seconds

$\pi/4$ DQPSK_2-DH5

 $\pi/4$ DQPSK_2-DH5

Pulse Width
8DPSK_3-DH1

Number of Pulses in 31.6 seconds
8DPSK_3-DH1

Pulse Width
8DPSK_3-DH3

Number of Pulses in 31.6 seconds
8DPSK_3-DH3

Pulse Width
8DPSK_3-DH5

Number of Pulses in 31.6 seconds
8DPSK_3-DH5


Conducted Out Of Band Emission

Test Result

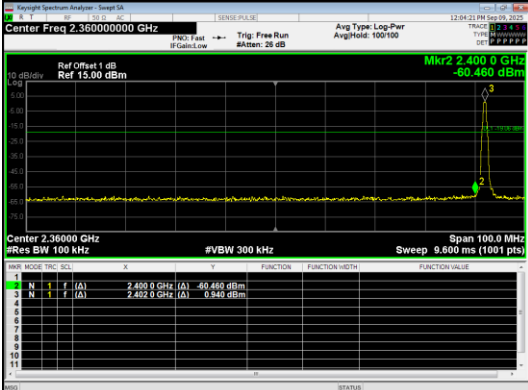
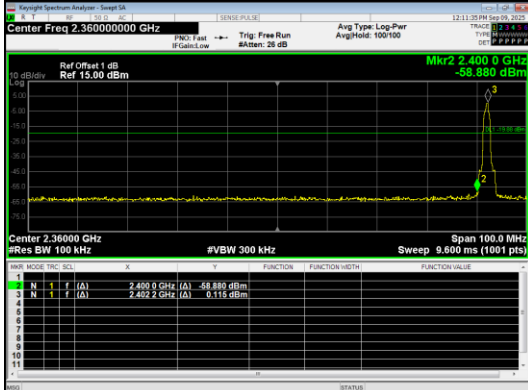
Non-Hopping

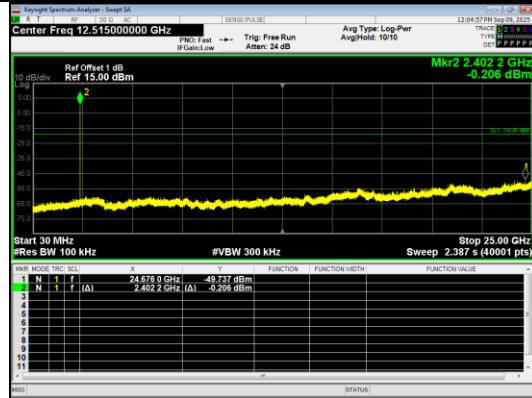
Modulation	Packet	Channel	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result
GFSK	DH5	0	2400.00	-60.460	-19.06	-41.400	PASS
			24676.0	-49.737	-19.06	-30.677	PASS
		39	24958.8	-49.400	-17.92	-31.480	PASS
		78	2483.50	-62.010	-18.81	-43.200	PASS
			24966.9	-49.889	-18.81	-31.079	PASS
$\pi/4$ DQPSK	2-DH5	0	2400.00	-58.880	-19.88	-39.000	PASS
			24795.2	-50.056	-19.88	-30.176	PASS
		39	24976.9	-49.177	-18.72	-30.457	PASS
		78	2483.50	-62.810	-19.61	-43.200	PASS
			24996.2	-49.972	-19.61	-30.362	PASS
8DPSK	3-DH5	0	2400.00	-59.550	-19.79	-39.760	PASS
			24956.9	-49.913	-19.79	-30.123	PASS
		39	24977.5	-49.993	-18.68	-31.313	PASS
		78	2483.50	-62.650	-19.69	-42.960	PASS
			24908.2	-49.687	-19.69	-29.997	PASS

Hopping

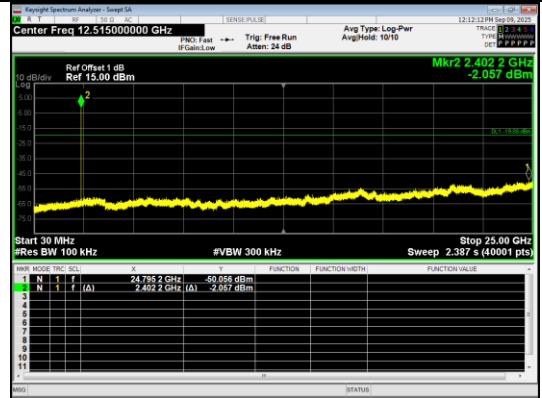
Modulation	Packet	Channel	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result
GFSK	DH5	Hopping	2365.20	-59.653	-17.54	-42.113	PASS
			2400.00	-60.670	-17.54	-43.130	PASS
			2483.50	-62.290	-19.04	-43.250	PASS
π/4DQPSK	2-DH5		2395.80	-60.181	-18.55	-41.632	PASS
			2400.00	-61.840	-18.55	-43.290	PASS
			2483.50	-62.300	-19.7	-42.600	PASS
8DPSK	3-DH5		2400.00	-59.670	-18.45	-41.220	PASS
			2483.50	-61.520	-19.76	-41.760	PASS

Test Graphs

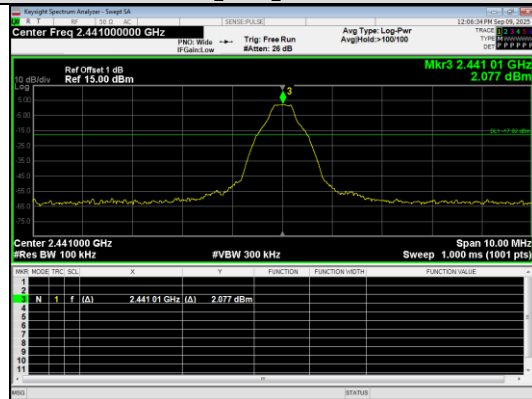
	
Out Of Band Emission GFSK_DH5_Channel 0	Out Of Band Emission $\pi/4$DQPSK_2-DH5_Channel 0



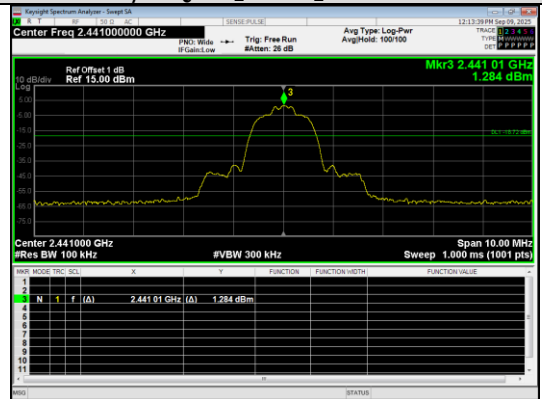
30.0 MHz - 25000.0 MHz
GFSK_DH5_Channel 0



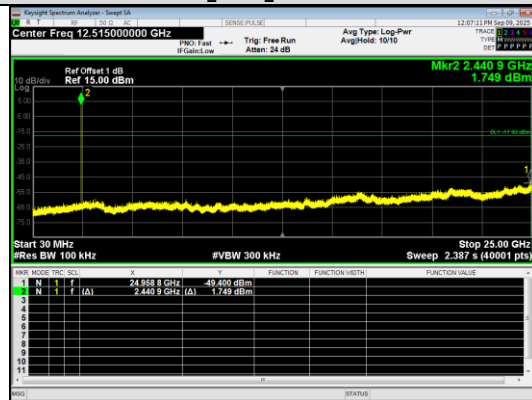
30.0 MHz - 25000.0 MHz
 $\pi/4$ DQPSK_2-DH5_Channel 0



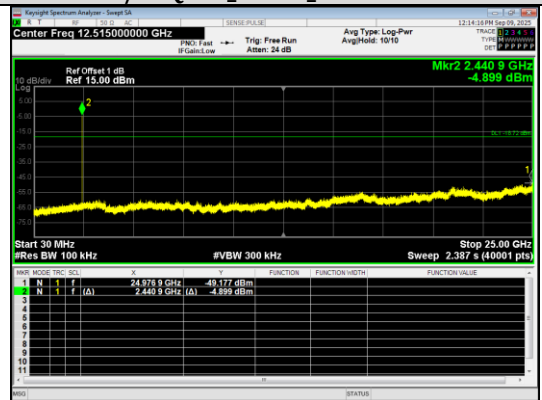
Out Of Band Emission
GFSK_DH5_Channel 39



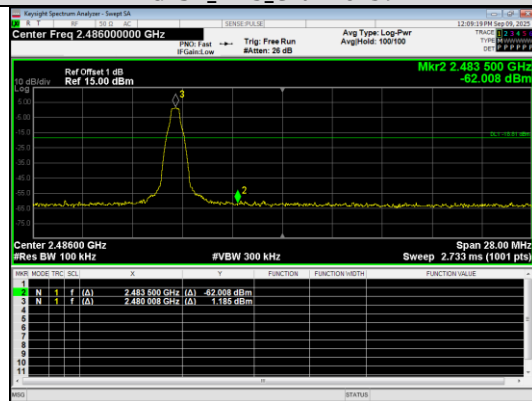
Out Of Band Emission
 $\pi/4$ DQPSK_2-DH5_Channel 39



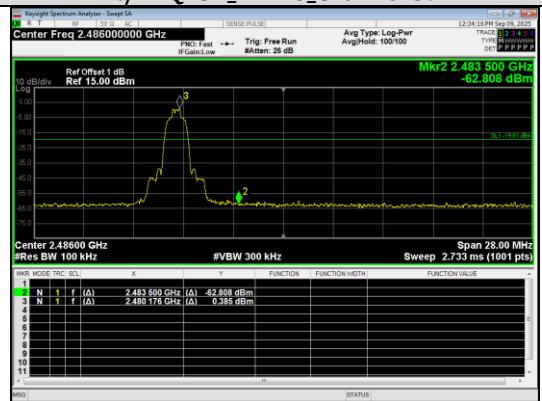
30.0 MHz - 25000.0 MHz
GFSK_DH5_Channel 39



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

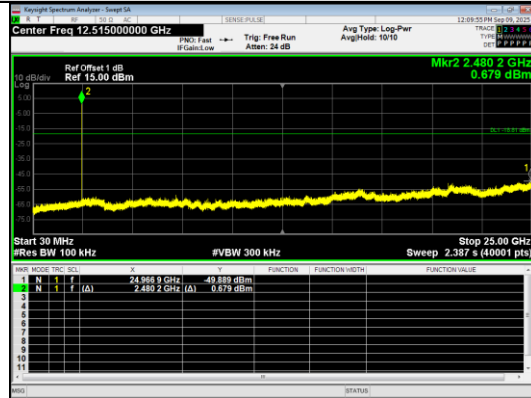


Out Of Band Emission



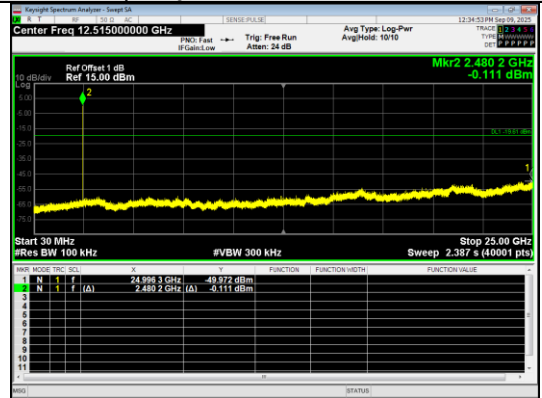
Out Of Band Emission

GFSK_DH5_Channel 78

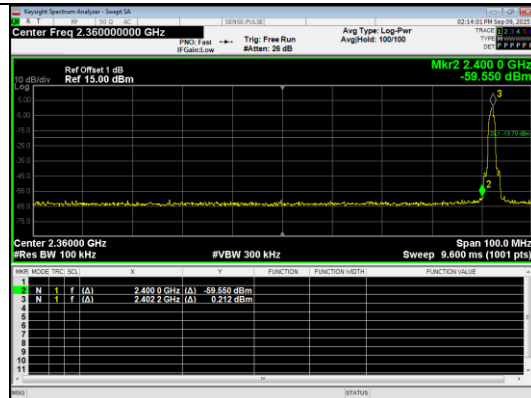


30.0 MHz - 25000.0 MHz
GFSK_DH5_Channel 78

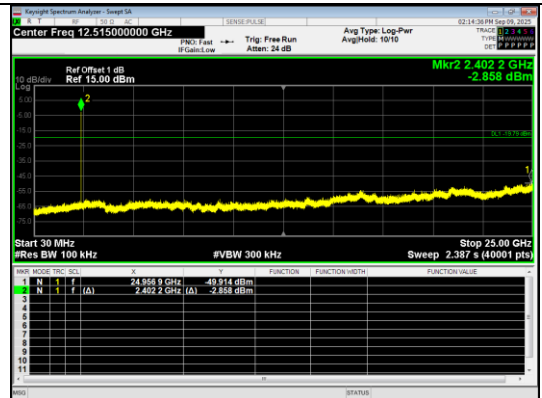
$\pi/4$ DQPSK_2-DH5_Channel 78



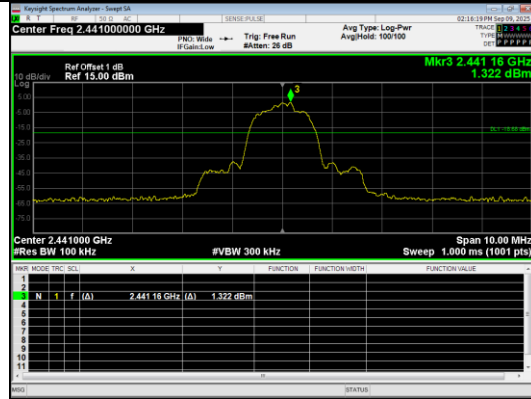
30.0 MHz - 25000.0 MHz
 $\pi/4$ DQPSK_2-DH5_Channel 78



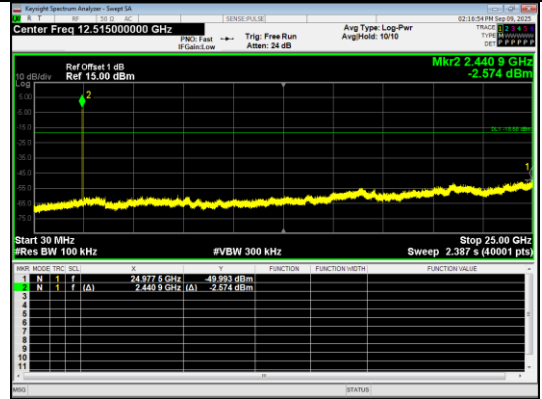
Out Of Band Emission
8DPSK_3-DH5_Channel 0



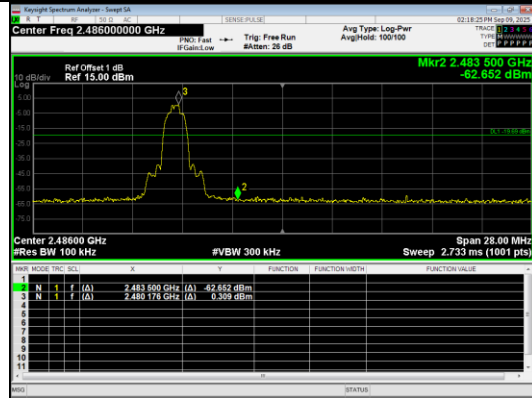
30.0 MHz - 25000.0 MHz
8DPSK_3-DH5_Channel 0



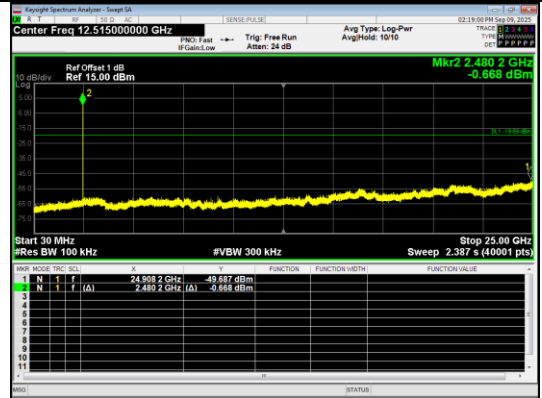
Out Of Band Emission
8DPSK_3-DH5_Channel 39



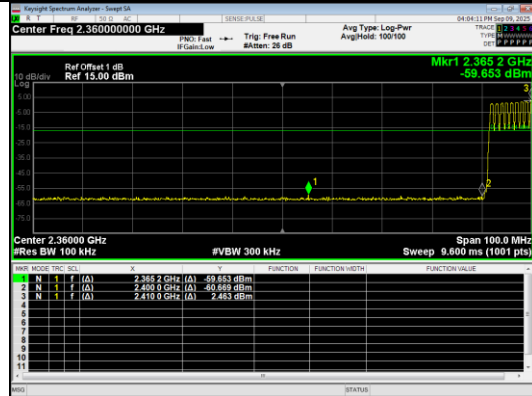
30.0 MHz - 25000.0 MHz
8DPSK_3-DH5_Channel 39



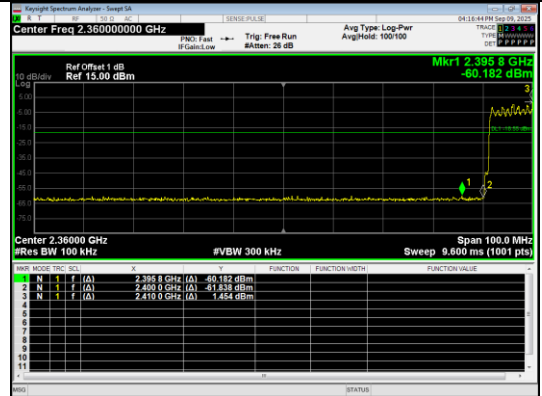
Out Of Band Emission
8DPSK_3-DH5_Channel 78



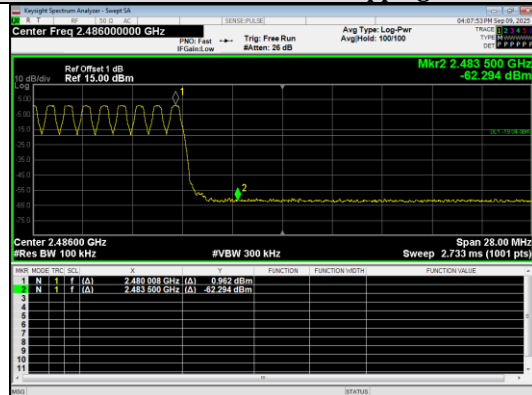
30.0 MHz - 25000.0 MHz
8DPSK_3-DH5_Channel 78



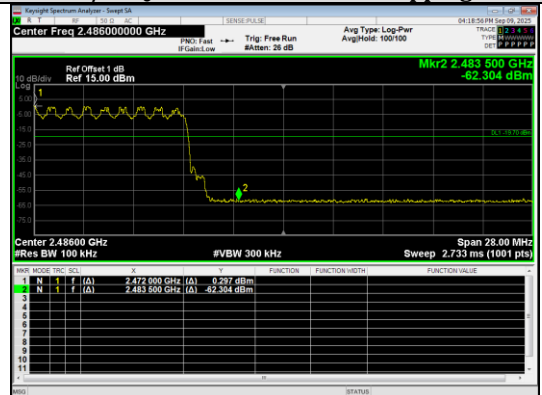
Out Of Band Emission(Left)
GFSK_DH5_Channel Hopping



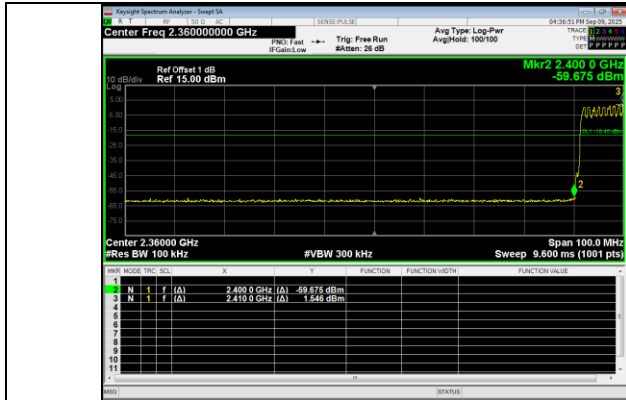
Out Of Band Emission(Left)
 $\pi/4$ DQPSK_2-DH5_Channel Hopping



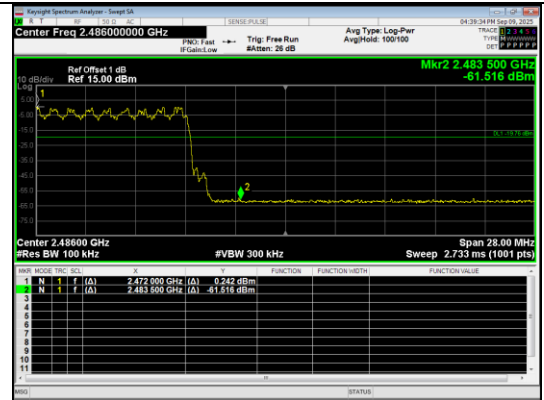
Out Of Band Emission(Right)
GFSK_DH5_Channel Hopping



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 *****