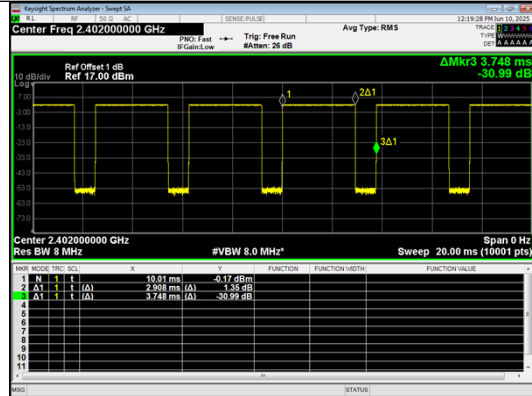


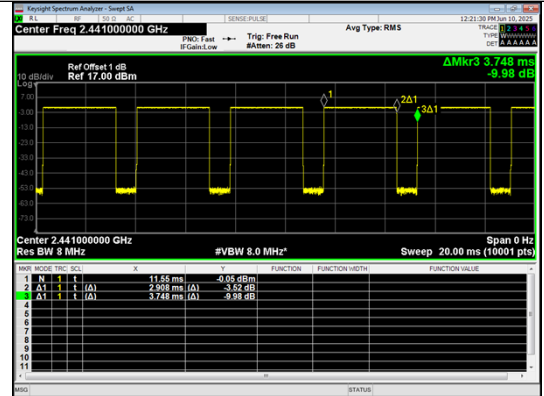
Duty Cycle Test Result

Modulation	Packets	Channel	On Time (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle (linear)	Duty Cycle Factor (dB)	1/T
GFSK	DH5	0	2.908	3.748	77.59	0.7759	1.1019	0.3439
		39	2.908	3.748	77.59	0.7759	1.1019	0.3439
		78	2.910	3.748	77.64	0.7764	1.0991	0.3436
$\pi/4$ DQPSK	2-DH5	0	2.898	3.748	77.32	0.7732	1.1171	0.3451
		39	2.896	3.748	77.27	0.7727	1.1199	0.3453
		78	2.898	3.748	77.32	0.7732	1.1171	0.3451
8DPSK	3-DH5	0	2.898	3.748	77.32	0.7732	1.1171	0.3451
		39	2.896	3.748	77.27	0.7727	1.1199	0.3453
		78	2.896	3.748	77.27	0.7727	1.1199	0.3453

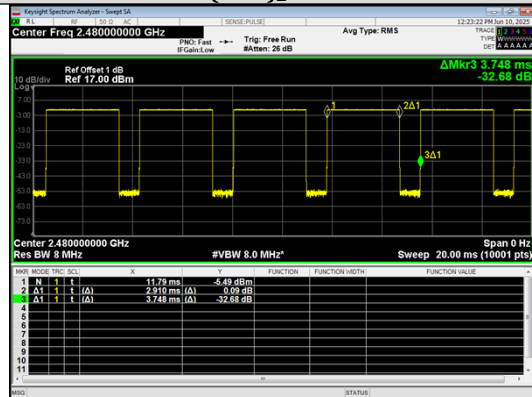
Test Graphs



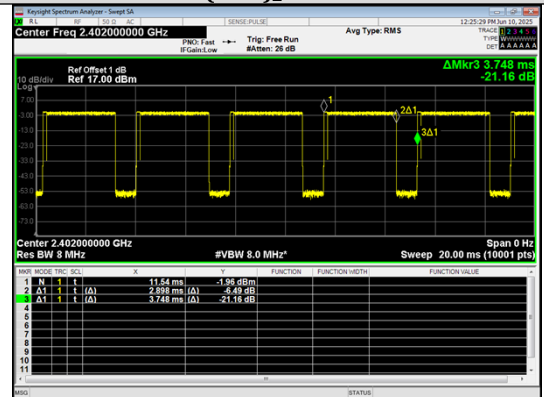
GFSK(DH5)_Channel 0

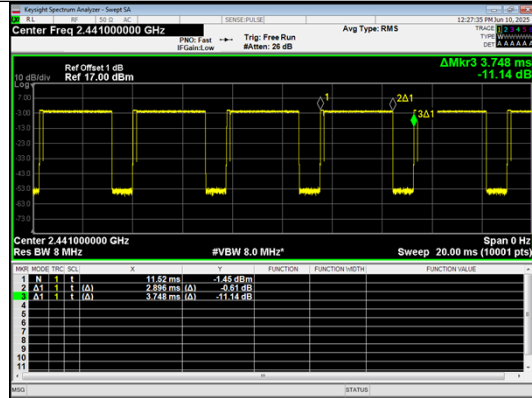
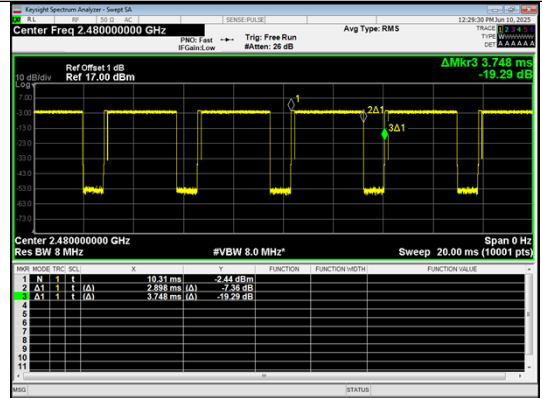
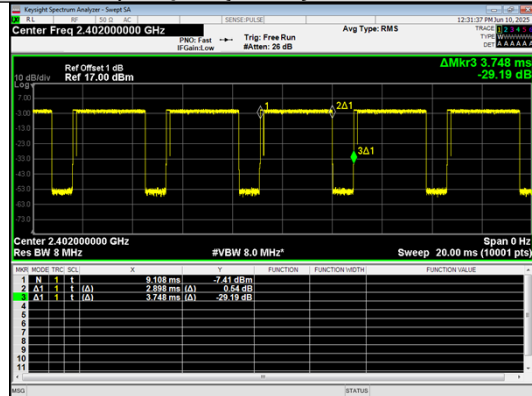


GFSK(DH5)_Channel 39

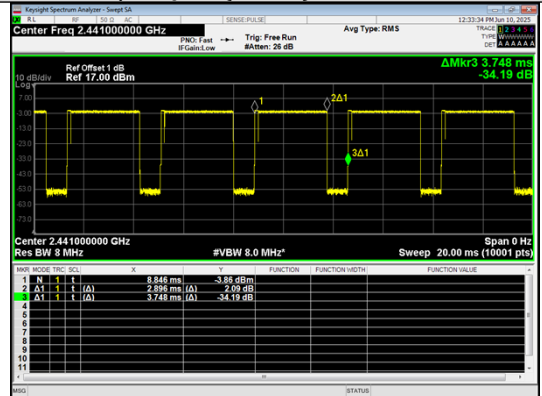


GFSK(DH5)_Channel 78

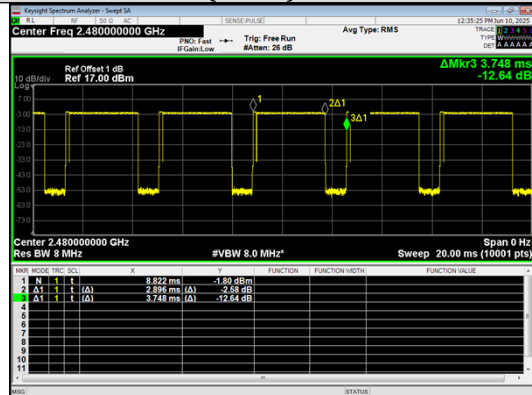

 $\pi/4$ DQPSK(2-DH5)_Channel 0


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

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


8DPSK(3-DH5)_Channel 0



8DPSK(3-DH5)_Channel 39



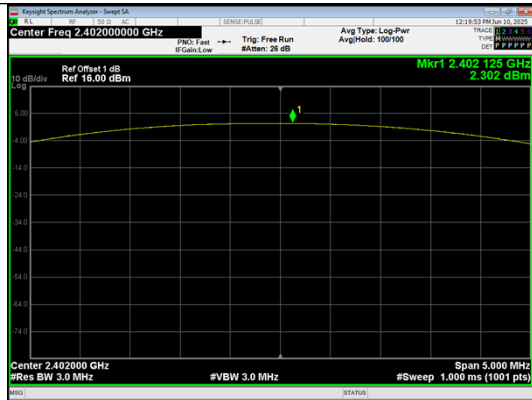
8DPSK(3-DH5)_Channel 78

Conducted Output Power

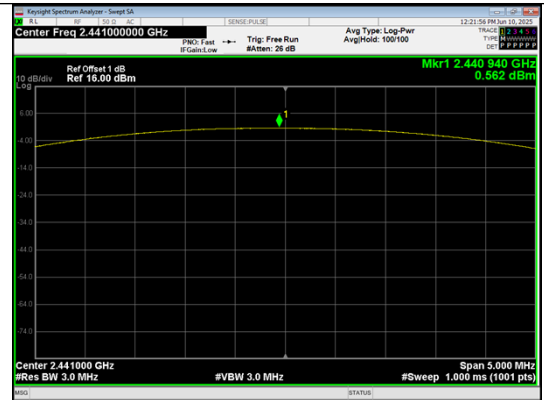
Test Result

Modulation	Packet Type	Channel	Peak Output Power (dBm)	Limit (dBm)	Result
GFSK	DH5	0	2.30	≤30	PASS
		39	0.56		PASS
		78	1.07		PASS
$\pi/4$ DQPSK	2-DH5	0	1.38	≤20.97	PASS
		39	1.08		PASS
		78	0.83		PASS
8DPSK	3-DH5	0	1.60		PASS
		39	1.26		PASS
		78	1.01		PASS

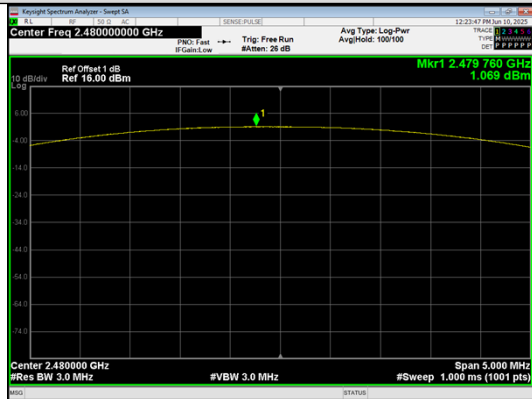
Test Graphs



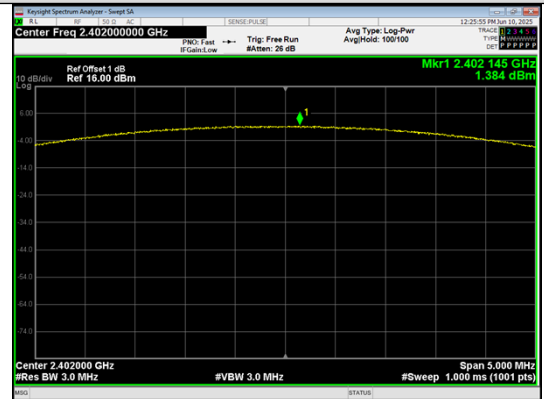
Peak Output Power
GFSK_Channel 0



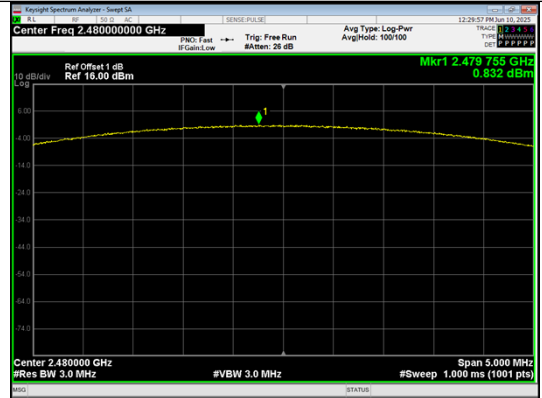
Peak Output Power
GFSK_Channel 39



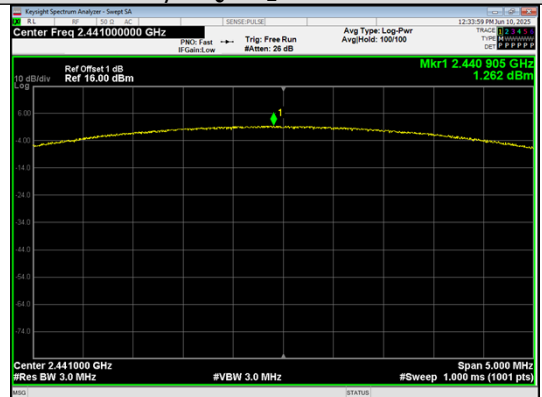
Peak Output Power
GFSK_Channel 78



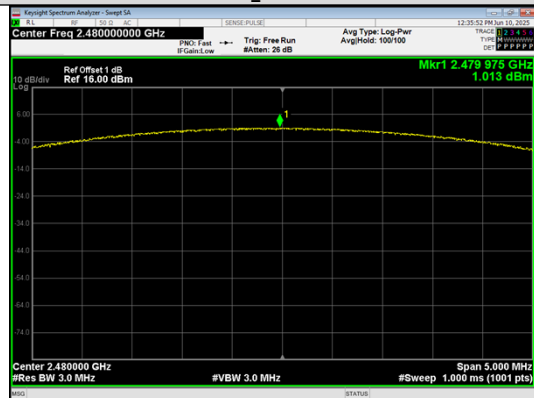
Peak Output Power
 $\pi/4$ DQPSK_Channel 0



Peak Output Power
 $\pi/4$ DQPSK_Channel 78



Peak Output Power 8DPSK_Channel 39



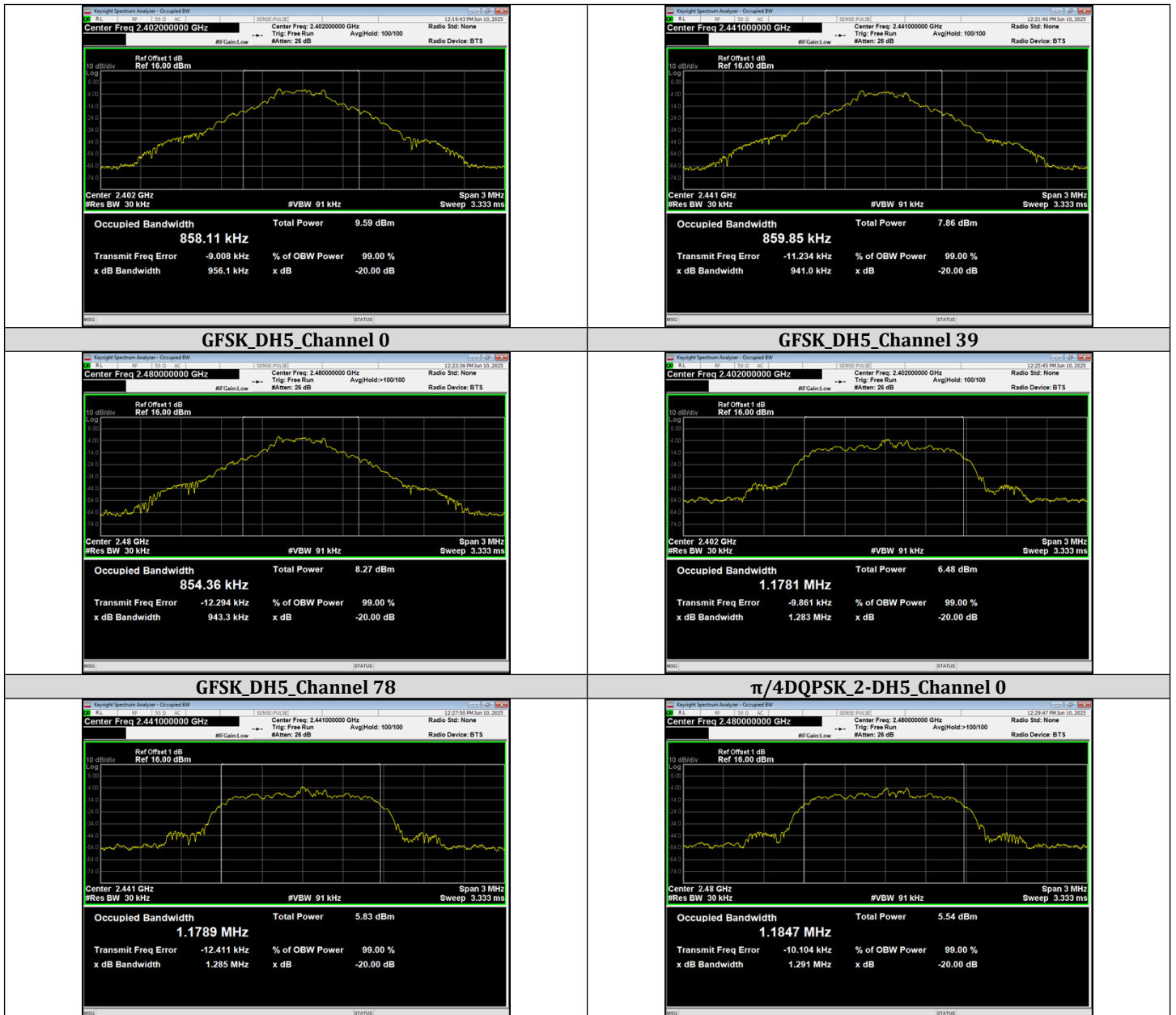
Peak Output Power 8DPSK_Channel 78

20dB Bandwidth

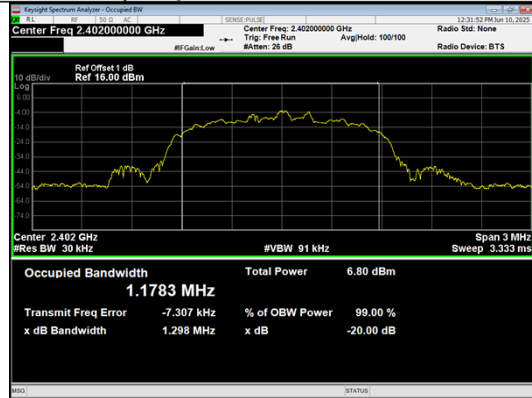
Test Result

Modulation	Channel	Center Frequency (MHz)	20 dB Bandwidth (MHz)
GFSK	0	2402 MHz	0.9561
	39	2441 MHz	0.9410
	78	2480 MHz	0.9433
$\pi/4$ DQPSK	0	2402 MHz	1.283
	39	2441 MHz	1.285
	78	2480 MHz	1.291
8DPSK	0	2402 MHz	1.298
	39	2441 MHz	1.299
	78	2480 MHz	1.301

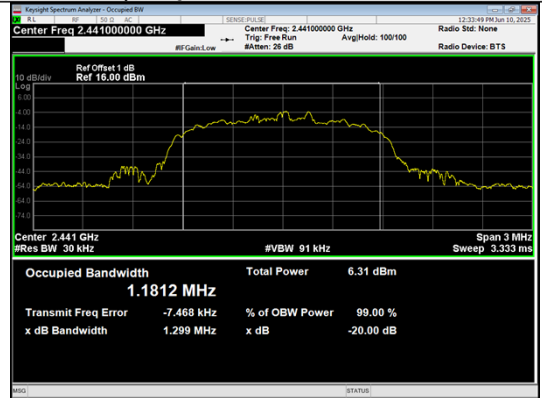
Test Graphs



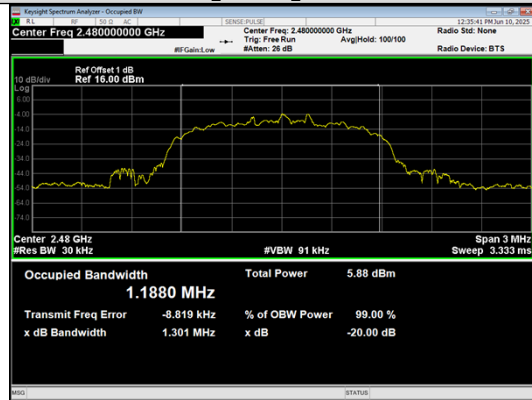
$\pi/4$ DQPSK 2-DH5_Channel 39



$\pi/4$ DQPSK 2-DH5_Channel 78



8DPSK_3-DH5_Channel 0



8DPSK_3-DH5_Channel 39

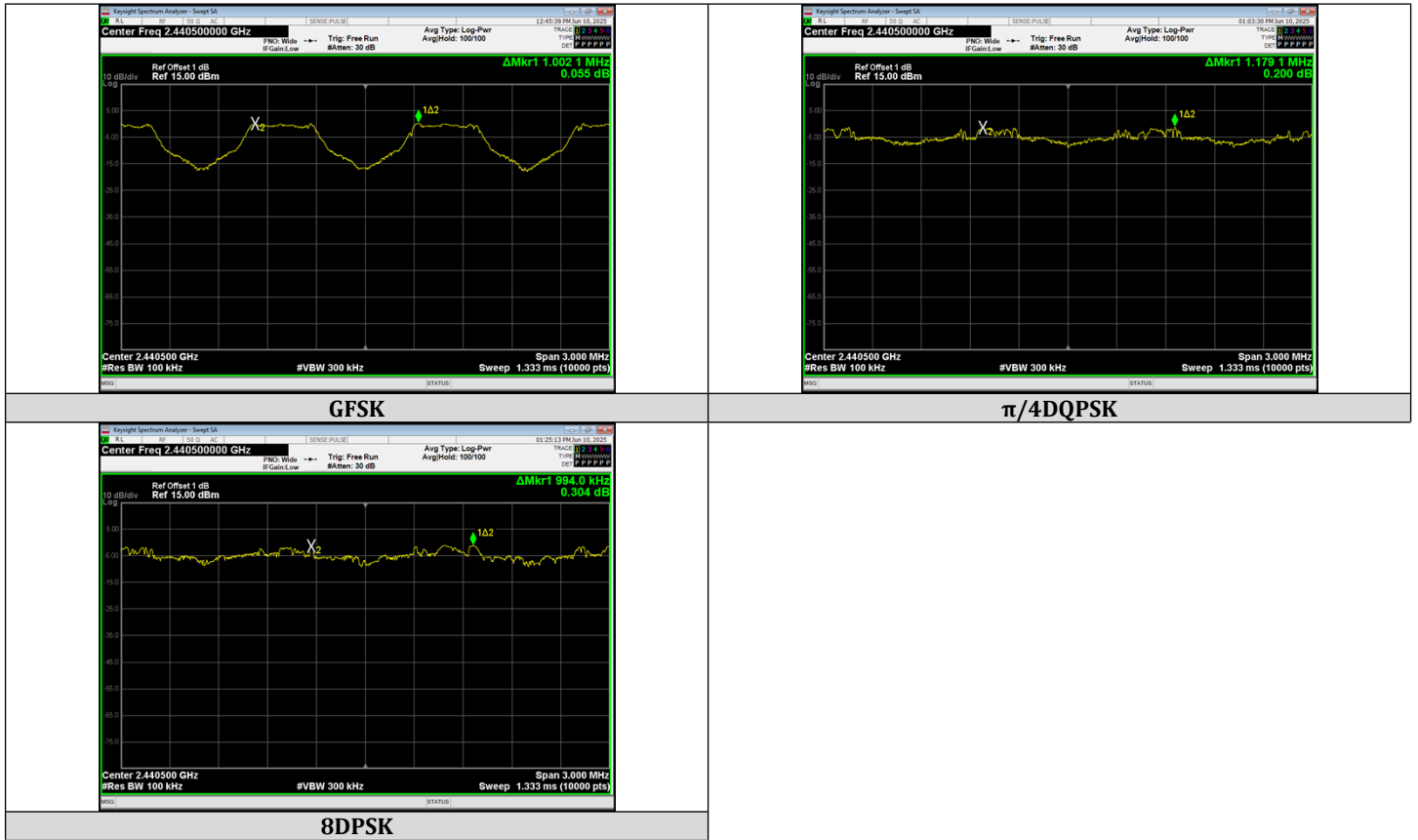
8DPSK_3-DH5_Channel 78

Carrier Frequencies Separation

Test Result

Modulation	Packet	Left Center frequency (MHz)	Right Center frequency (MHz)	Hopping Frequency Separation (MHz)	Limit (MHz)	Result
GFSK	DH5	2439.8236	2440.8257	1.0021	0.637	PASS
$\pi/4$ DQPSK	2-DH5	2439.9766	2441.1557	1.1791	0.861	PASS
8DPSK	3-DH5	2440.1671	2441.1611	0.9940	0.867	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

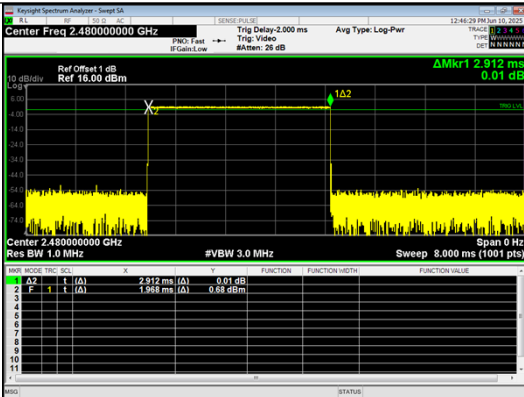
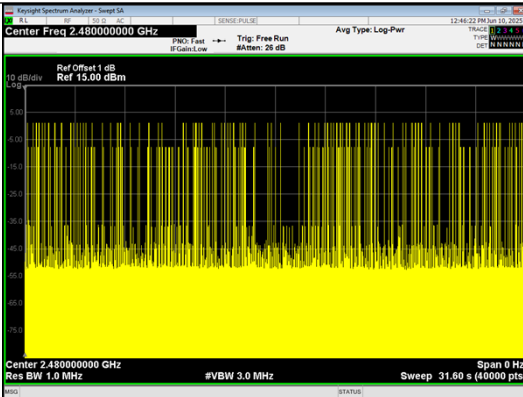
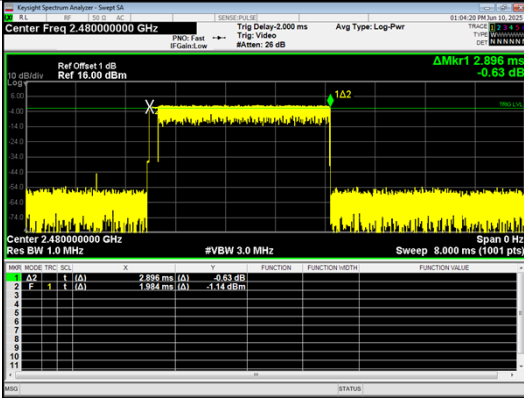
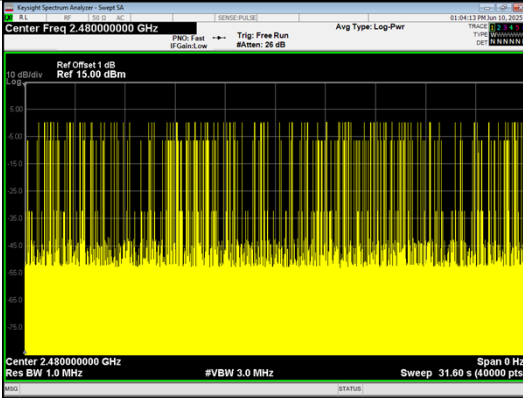
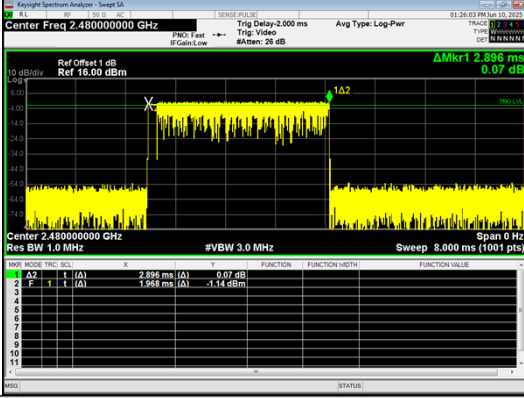
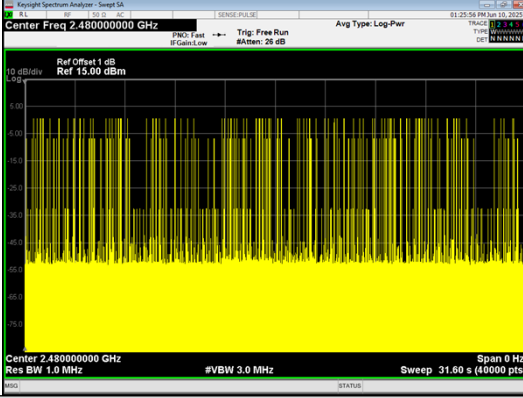


Dwell Time

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)	2.912	121	352.35	< 400	PASS
$\pi/4$ DQPSK	2-DH5		2.896	110	318.56		PASS
8DPSK	3-DH5		2.896	108	312.77		PASS

Test Graphs

	
Pulse Width GFSK_DH5	Number of Pulses in 31.6 seconds GFSK_DH5
	
Pulse Width $\pi/4$DQPSK_2-DH5	Number of Pulses in 31.6 seconds $\pi/4$DQPSK_2-DH5
	
Pulse Width 8DPSK_3-DH5	Number of Pulses in 31.6 seconds 8DPSK_3-DH5

Conducted Out Of Band Emission

Test Result

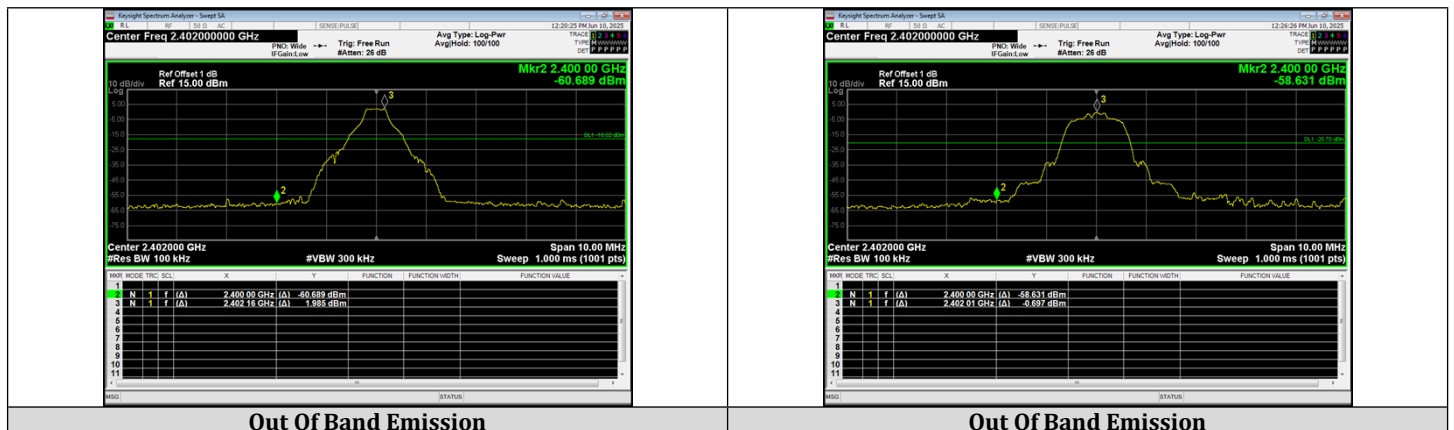
Non-Hopping

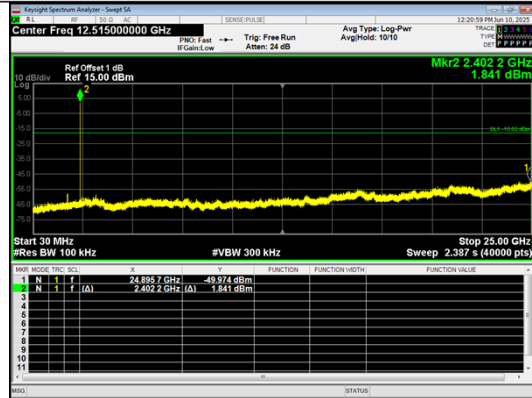
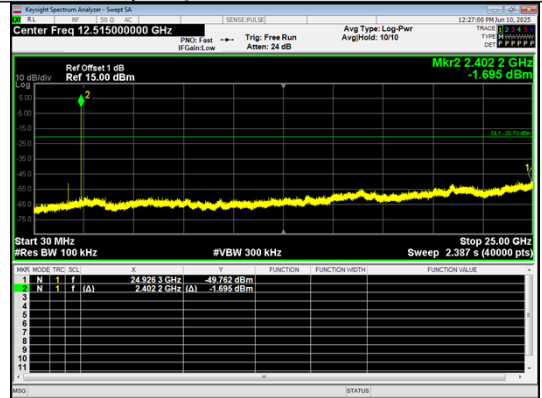
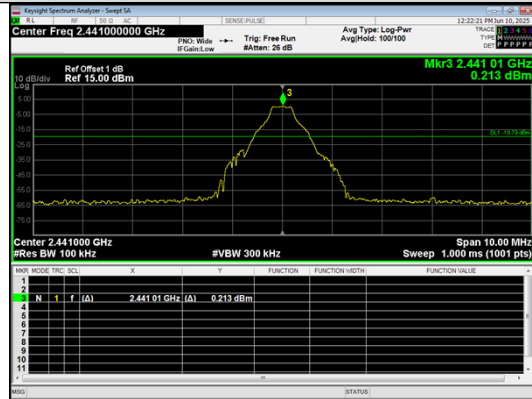
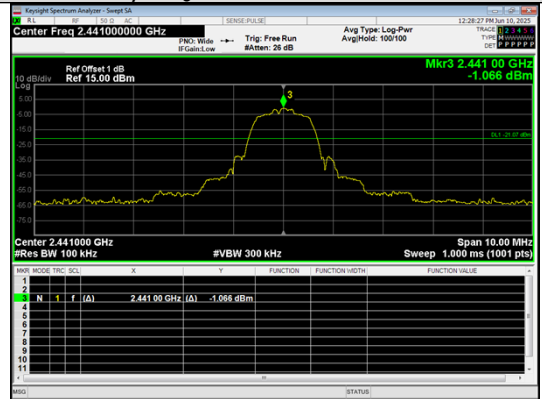
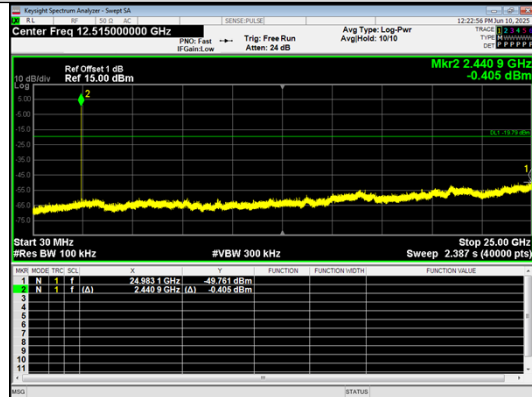
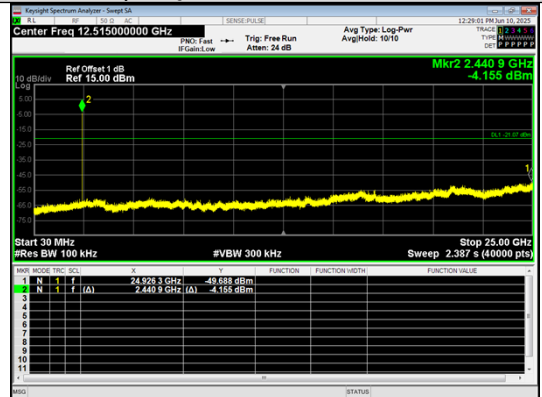
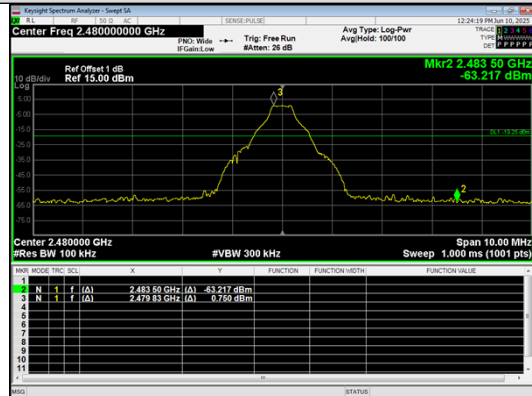
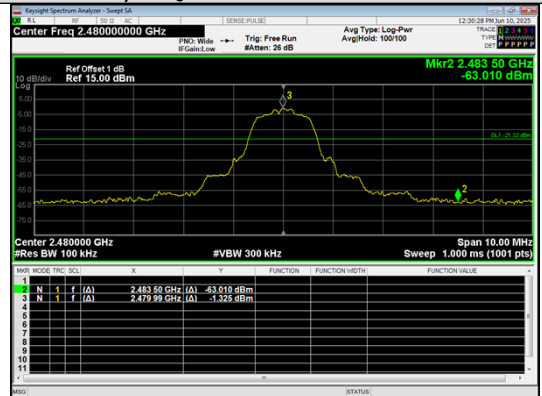
Modulation	Packet	Channel	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result
GFSK	DH5	0	2399.00	-59.707	-18.02	-41.687	PASS
			2400.00	-60.689	-18.02	-42.669	PASS
			24895.7	-49.974	-18.02	-31.954	PASS
		39	24983.1	-49.761	-19.79	-29.971	PASS
		78	1746.11	-40.976	-19.25	-21.726	PASS
			2483.50	-63.217	-19.25	-43.967	PASS
$\pi/4$ DQPSK	2-DH5	0	2400.00	-58.631	-20.7	-37.931	PASS
			24926.3	-49.762	-20.7	-29.062	PASS
		39	24926.3	-49.688	-21.07	-28.618	PASS
		78	2483.50	-63.010	-21.32	-41.690	PASS
			24812.1	-50.117	-21.32	-28.797	PASS
8DPSK	3-DH5	0	2400.00	-58.480	-20.77	-37.710	PASS
			24935.1	-49.786	-20.77	-29.016	PASS
		39	1755.47	-42.008	-21.14	-20.868	PASS
		78	2483.50	-63.395	-21.3	-42.095	PASS
			24464.4	-49.977	-21.3	-28.677	PASS

Hopping

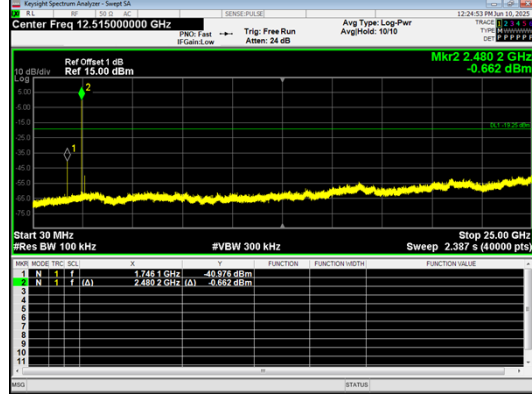
Modulation	Packet	Channel	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result
GFSK	DH5	Hopping	2396.41	-45.995	-17.65	-28.345	PASS
			2400.00	-48.372	-17.65	-30.722	PASS
			2483.50	-61.221	-19.16	-42.061	PASS
$\pi/4$ DQPSK	2-DH5		2395.31	-60.388	-20.45	-39.938	PASS
			2400.00	-60.650	-20.45	-40.200	PASS
			2483.50	-62.308	-21.34	-40.968	PASS
8DPSK	3-DH5		2400.00	-58.599	-20.39	-38.209	PASS
			2483.50	-62.548	-21.25	-41.298	PASS

Test Graphs



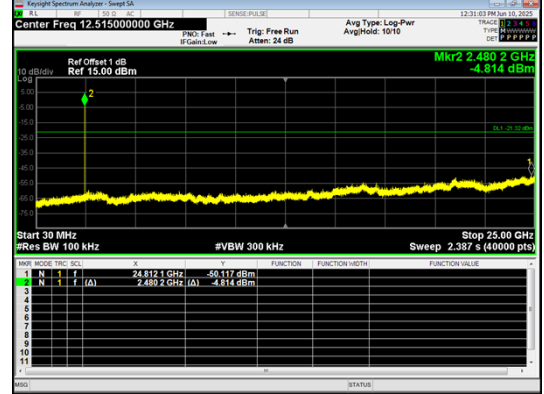
GFSK_DH5_Channel 0

 $\pi/4$ 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 GFSK_DH5_Channel 78

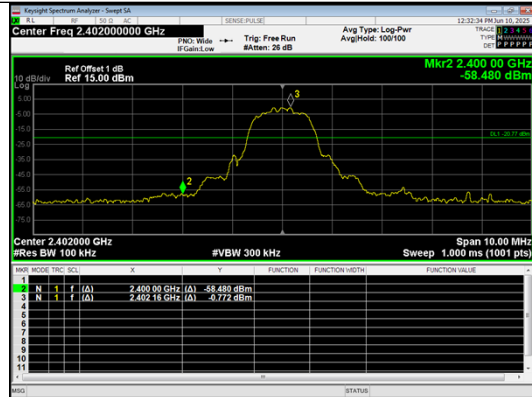


30.0 MHz - 25000.0 MHz
GFSK_DH5_Channel 78

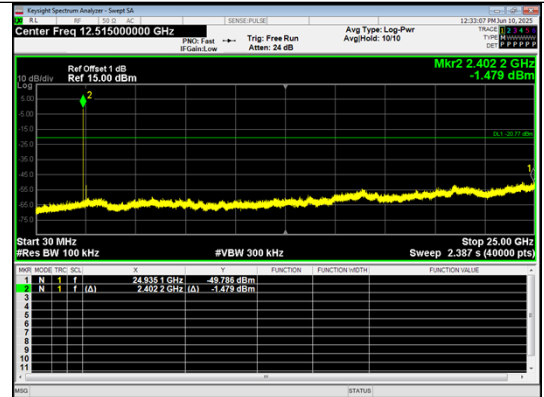
Out Of Band Emission $\pi/4$ DQPSK_2-DH5_Channel 78



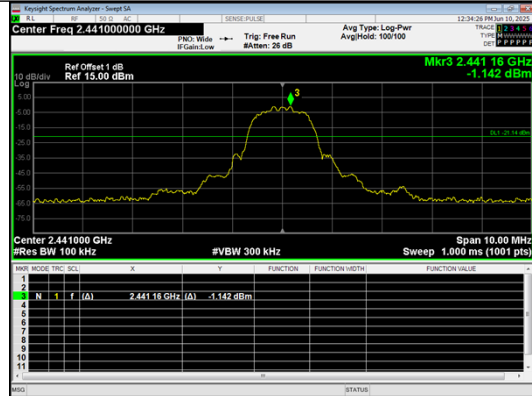
30.0 MHz - 25000.0 MHz
 $\pi/4$ DQPSK_2-DH5_Channel 78



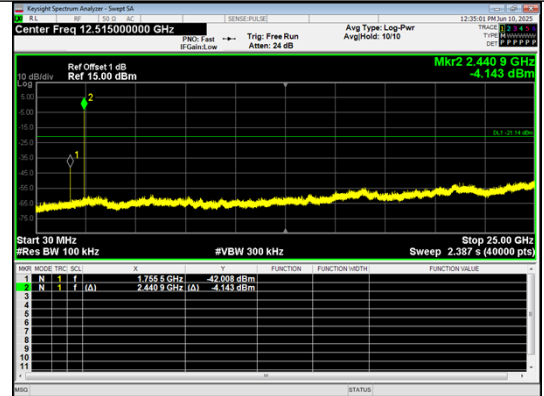
Out Of Band Emission
8DPSK_3-DH5_Channel 0



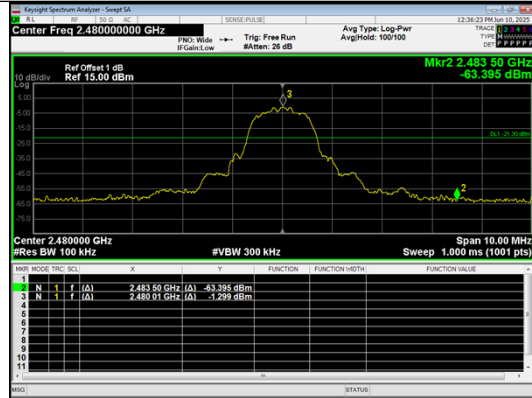
30.0 MHz - 25000.0 MHz
8DPSK_3-DH5_Channel 0



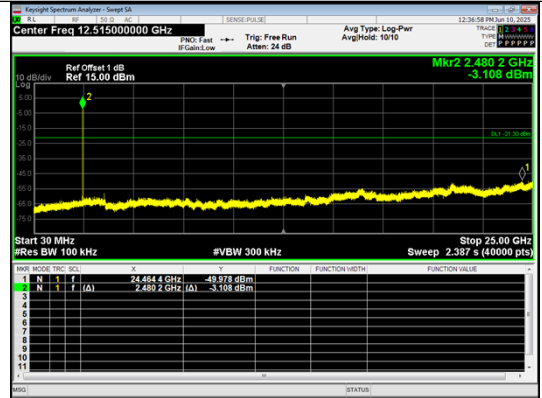
Out Of Band Emission
8DPSK_3-DH5_Channel 39



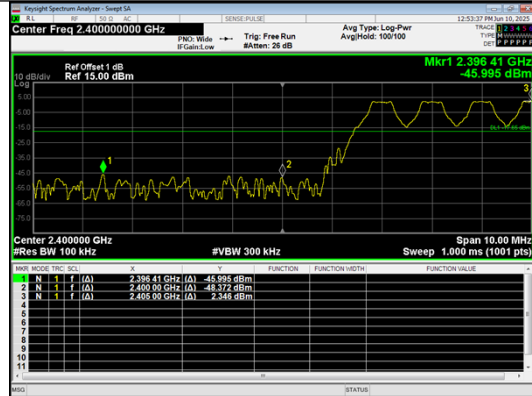
30.0 MHz - 25000.0 MHz
8DPSK_3-DH5_Channel 39



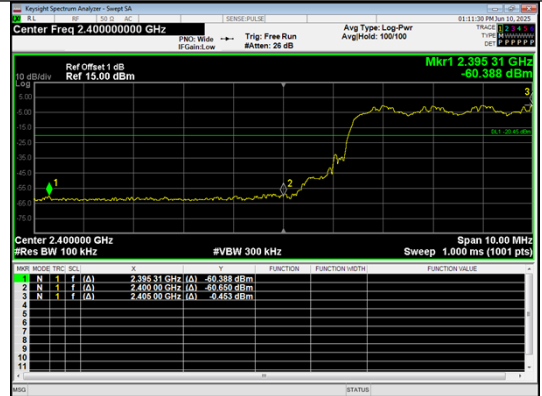
Out Of Band Emission
8DPSK_3-DH5_Channel 78



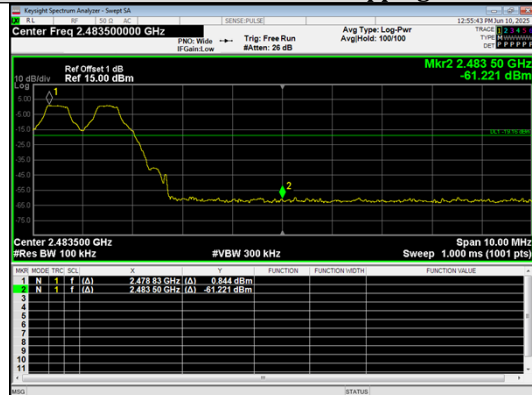
30.0 MHz - 25000.0 MHz
8DPSK_3-DH5_Channel 78



Out Of Band Emission(Left)
GFSK_DH5_Channel Hopping



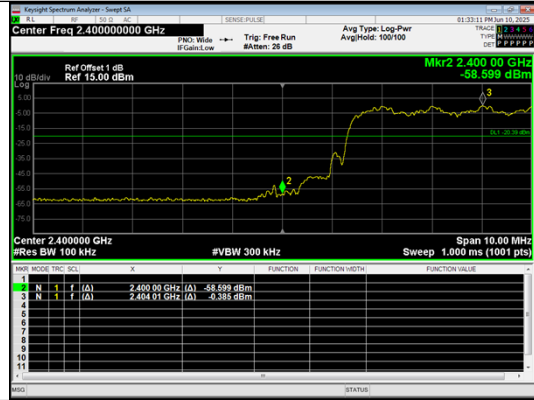
Out Of Band Emission(Left)
 $\pi/4$ DQPSK_2-DH5_Channel Hopping



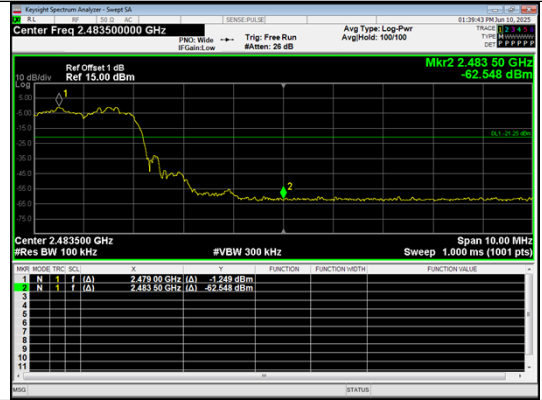
Out Of Band Emission(Right)
GFSK_DH5_Channel Hopping



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 *****