

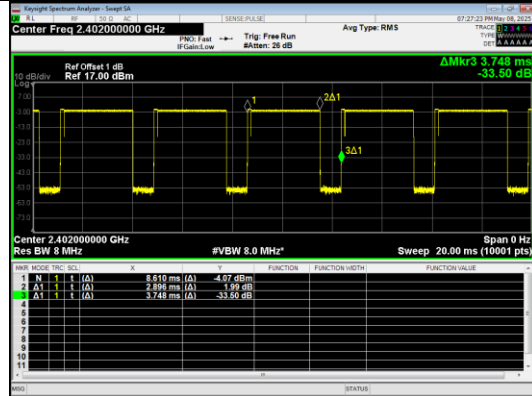
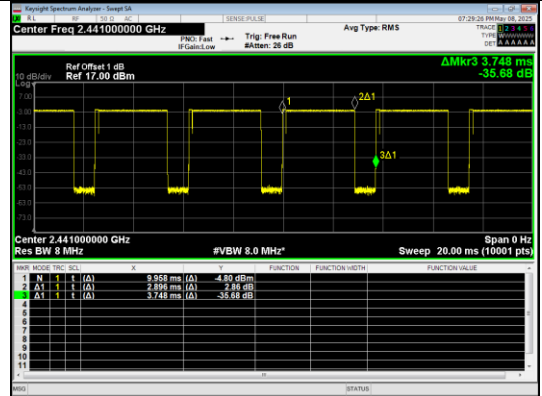
Duty Cycle

Test Result

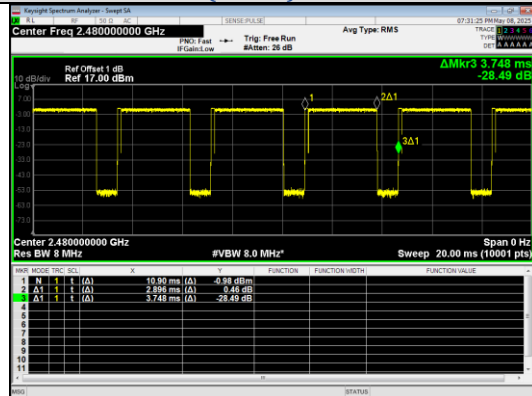
Modulation	Packets	Channel	On Time (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle (linear)	Duty Cycle Factor (dB)	1/T
GFSK	DH5	0	2.908	3.748	77.59	0.7759	1.1019	0.3439
		39	2.908	3.748	77.59	0.7759	1.1019	0.3439
		78	2.910	3.748	77.64	0.7764	1.0991	0.3436
$\pi/4$ DQPSK	2-DH5	0	2.898	3.748	77.32	0.7732	1.1171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



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

8DPSK(3-DH5)_Channel 0



8DPSK(3-DH5)_Channel 39

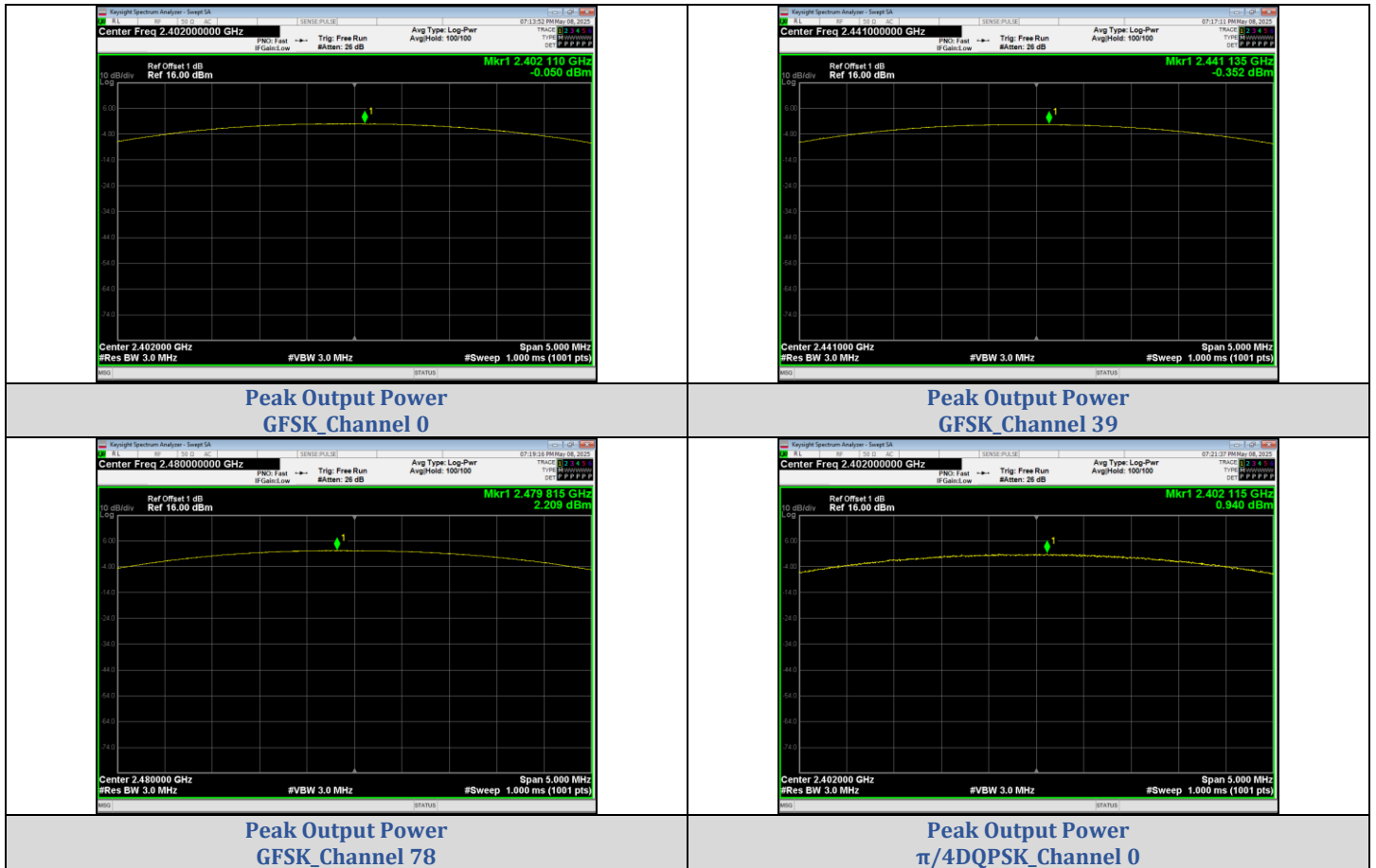
8DPSK(3-DH5)_Channel 78

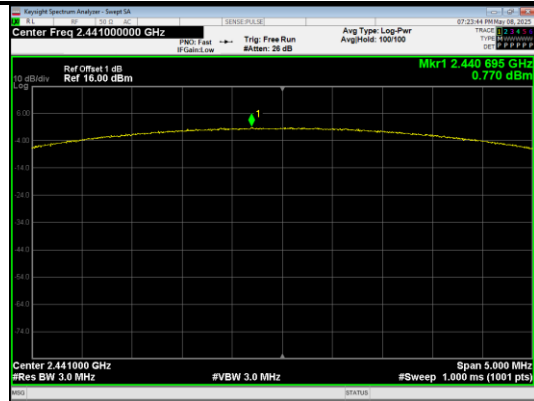
Conducted Output Power

Test Result

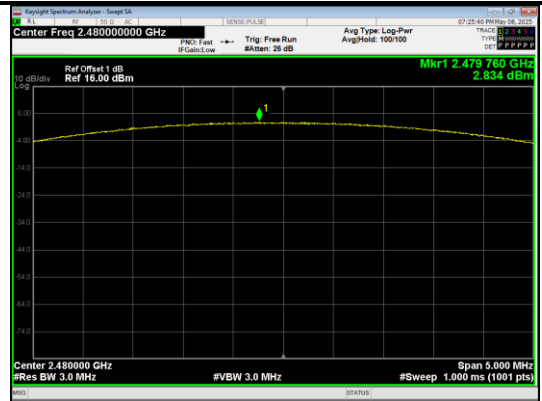
Modulation	Packet Type	Channel	Peak Output Power (dBm)	Limit (dBm)	Result
GFSK	DH5	0	-0.05	≤30	PASS
		39	-0.35		PASS
		78	2.21		PASS
$\pi/4$ DQPSK	2-DH5	0	0.94	≤20.97	PASS
		39	0.77		PASS
		78	2.83		PASS
8DPSK	3-DH5	0	1.07		PASS
		39	0.91		PASS
		78	2.95		PASS

Test Graphs

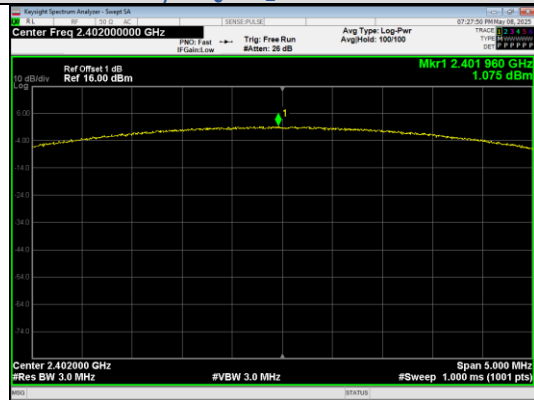




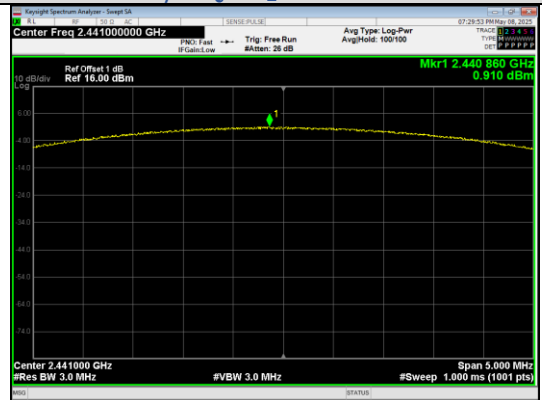
Peak Output Power
 $\pi/4$ DQPSK_Channel 39



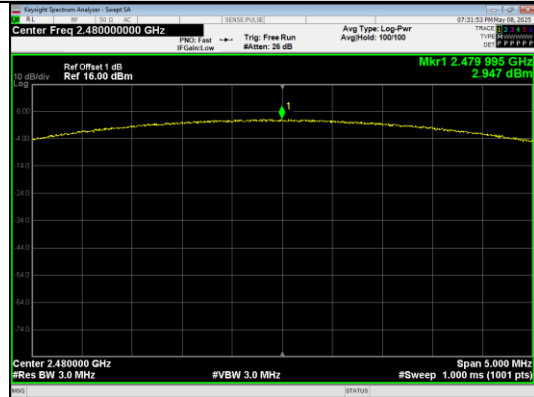
Peak Output Power
 $\pi/4$ DQPSK_Channel 78



Peak Output Power
8DPSK_Channel 0



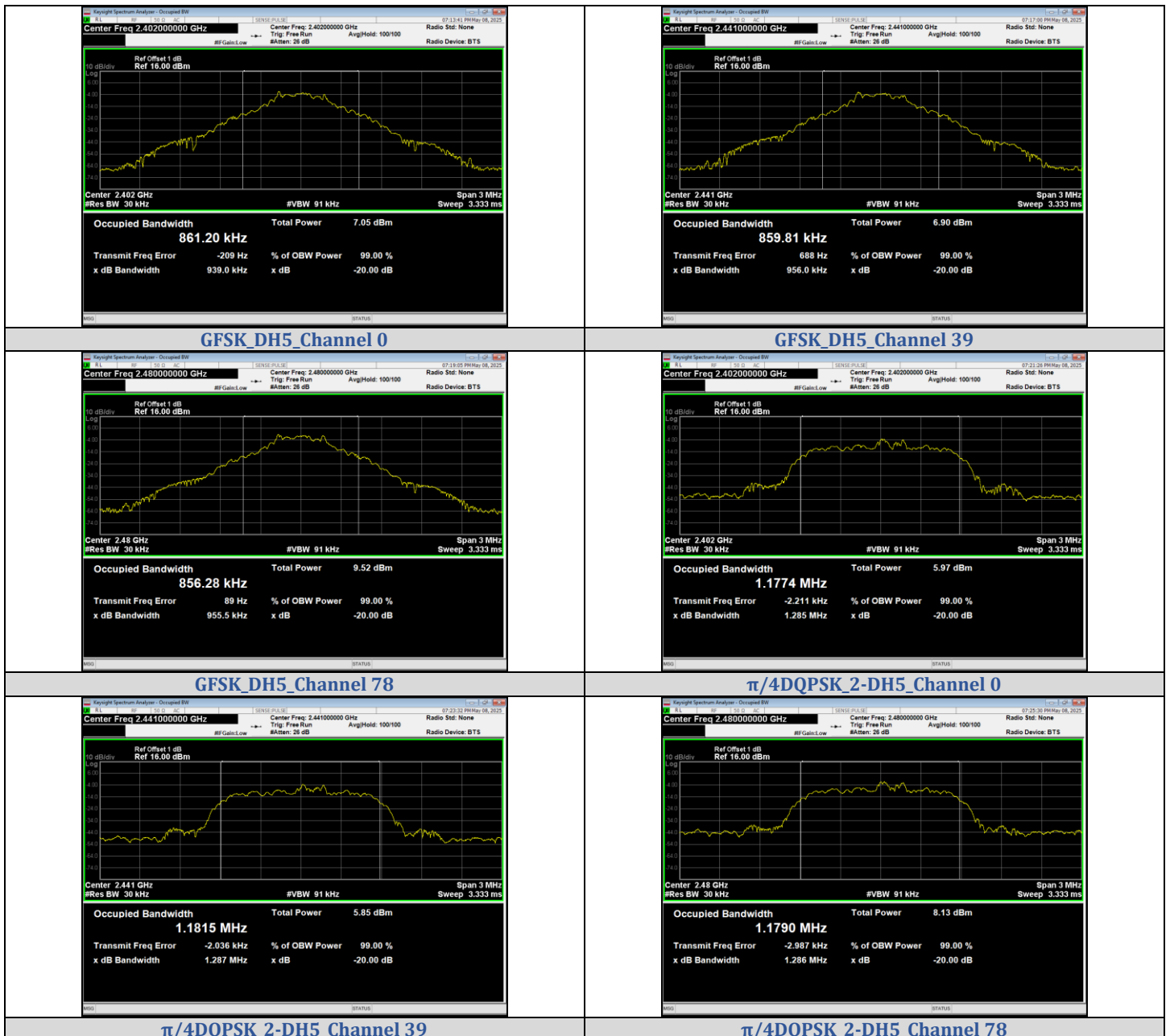
Peak Output Power
8DPSK_Channel 39

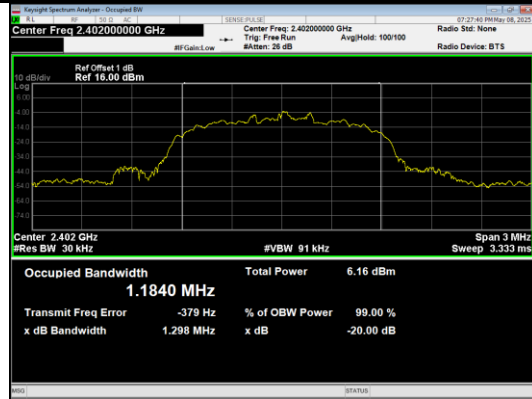


Peak Output Power
8DPSK_Channel 78

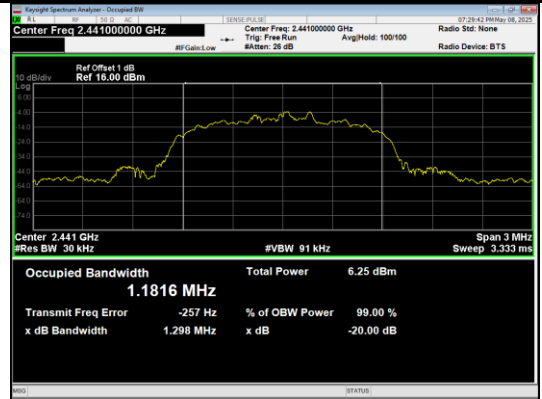
**20dB Bandwidth****Test Result**

Modulation	Channel	Center Frequency (MHz)	20 dB Bandwidth (MHz)
GFSK	0	2402 MHz	0.9390
	39	2441 MHz	0.9560
	78	2480 MHz	0.9555
$\pi/4$ DQPSK	0	2402 MHz	1.285
	39	2441 MHz	1.287
	78	2480 MHz	1.286
8DPSK	0	2402 MHz	1.298
	39	2441 MHz	1.298
	78	2480 MHz	1.301

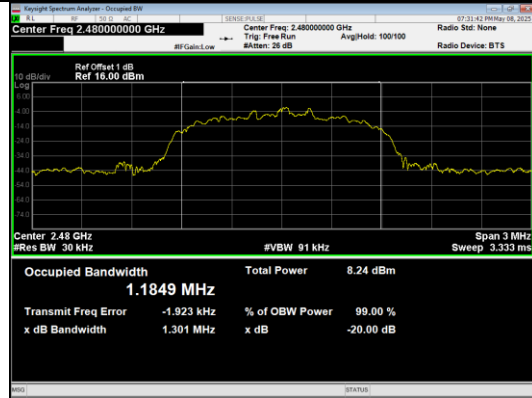
Test Graphs



8DPSK_3-DH5_Channel 0



8DPSK_3-DH5_Channel 39



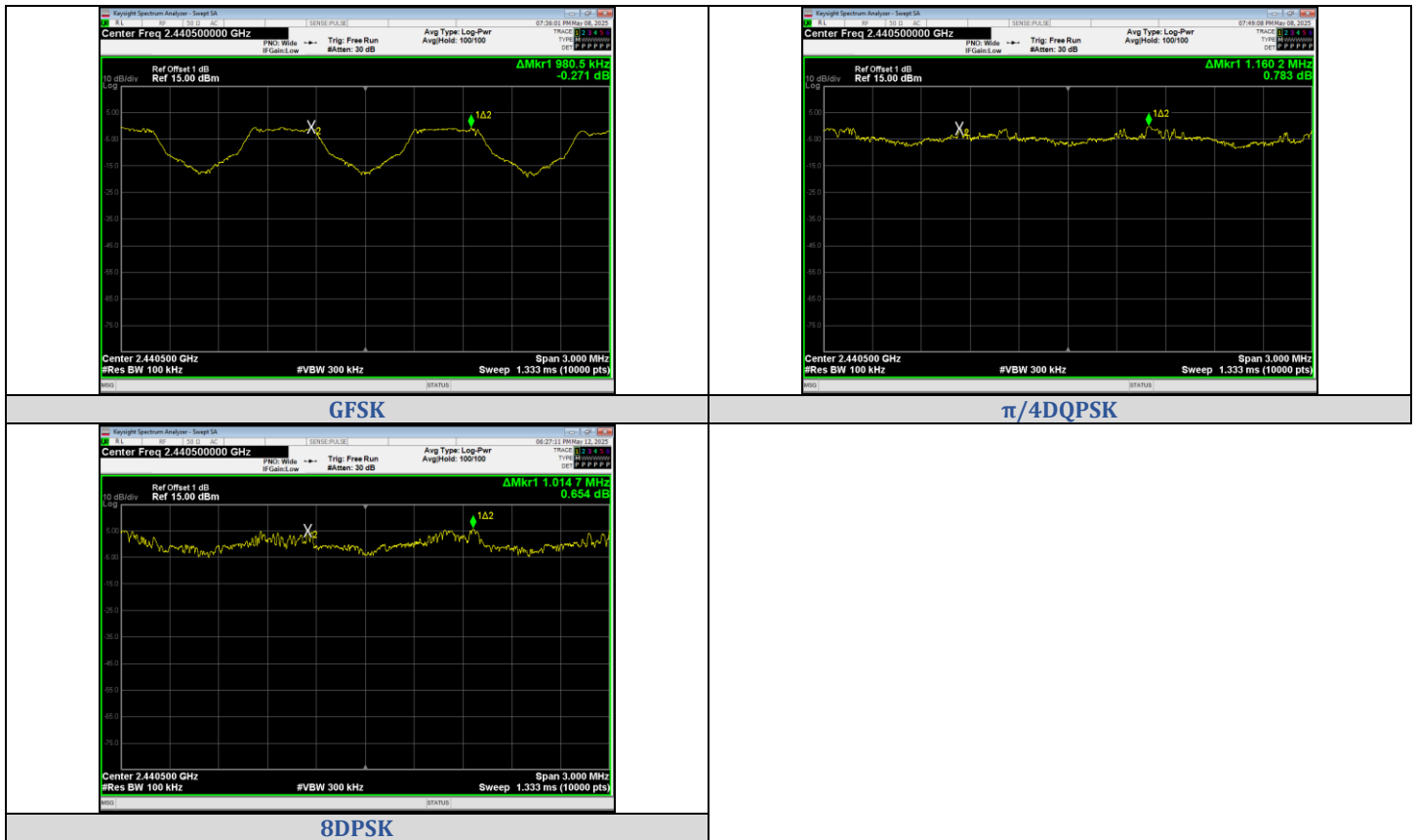
8DPSK_3-DH5_Channel 78

Carrier Frequencies Separation

Test Result

Modulation	Packet	Left Center frequency (MHz)	Right Center frequency (MHz)	Hopping Frequency Separation (MHz)	Limit (MHz)	Result
GFSK	DH5	2440.1683	2441.1488	0.9805	0.637	PASS
$\pi/4$ DQPSK	2-DH5	2439.8338	2440.994	1.1602	0.858	PASS
8DPSK	3-DH5	2440.1455	2441.1602	1.0147	0.867	PASS

Test Graphs



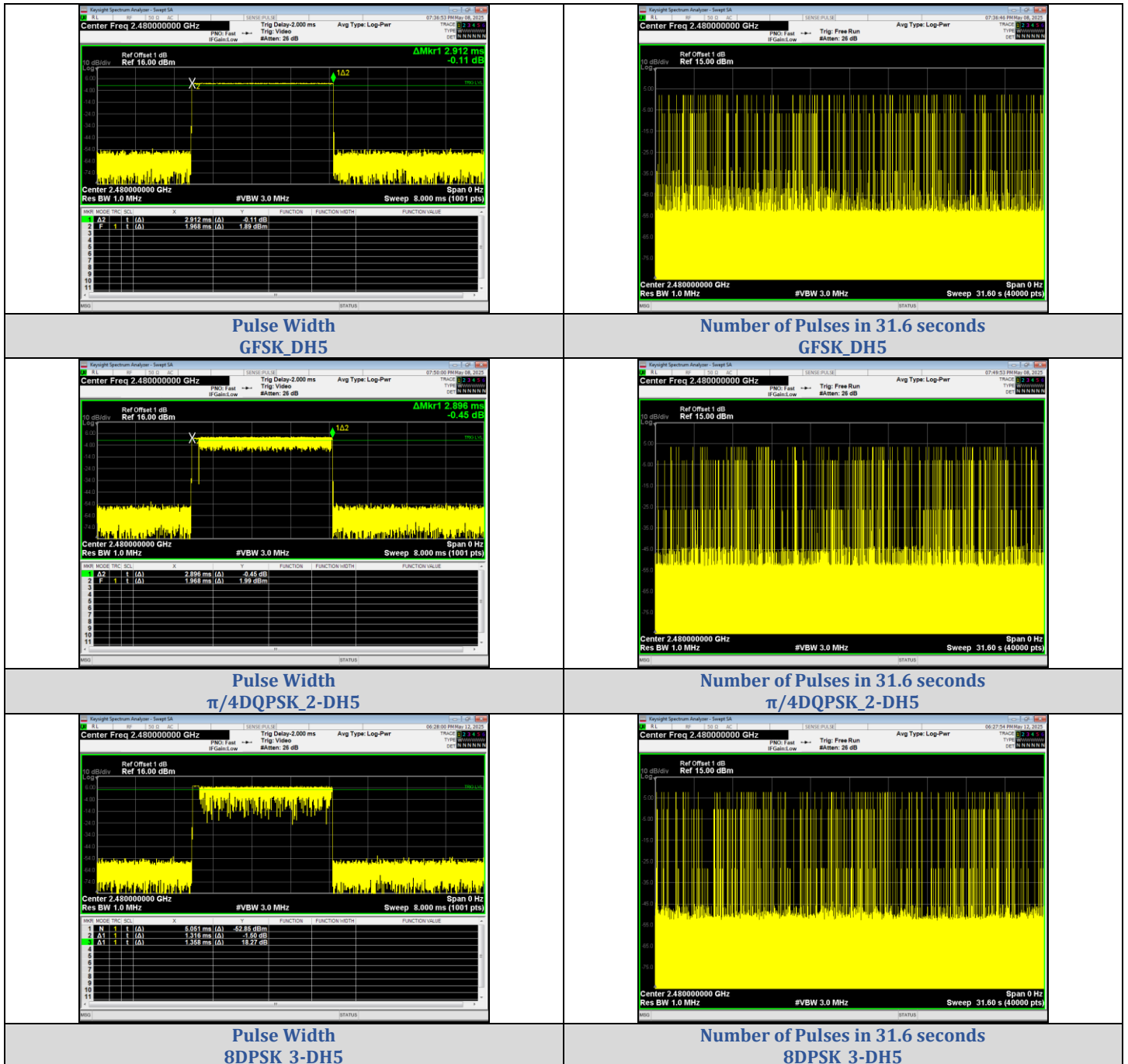


Dwell Time

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	111	323.23	< 400	PASS
$\pi/4$ DQPSK	2-DH5		2.896	100	289.6		PASS
8DPSK	3-DH5		2.880	109	313.92		PASS

Test Graphs



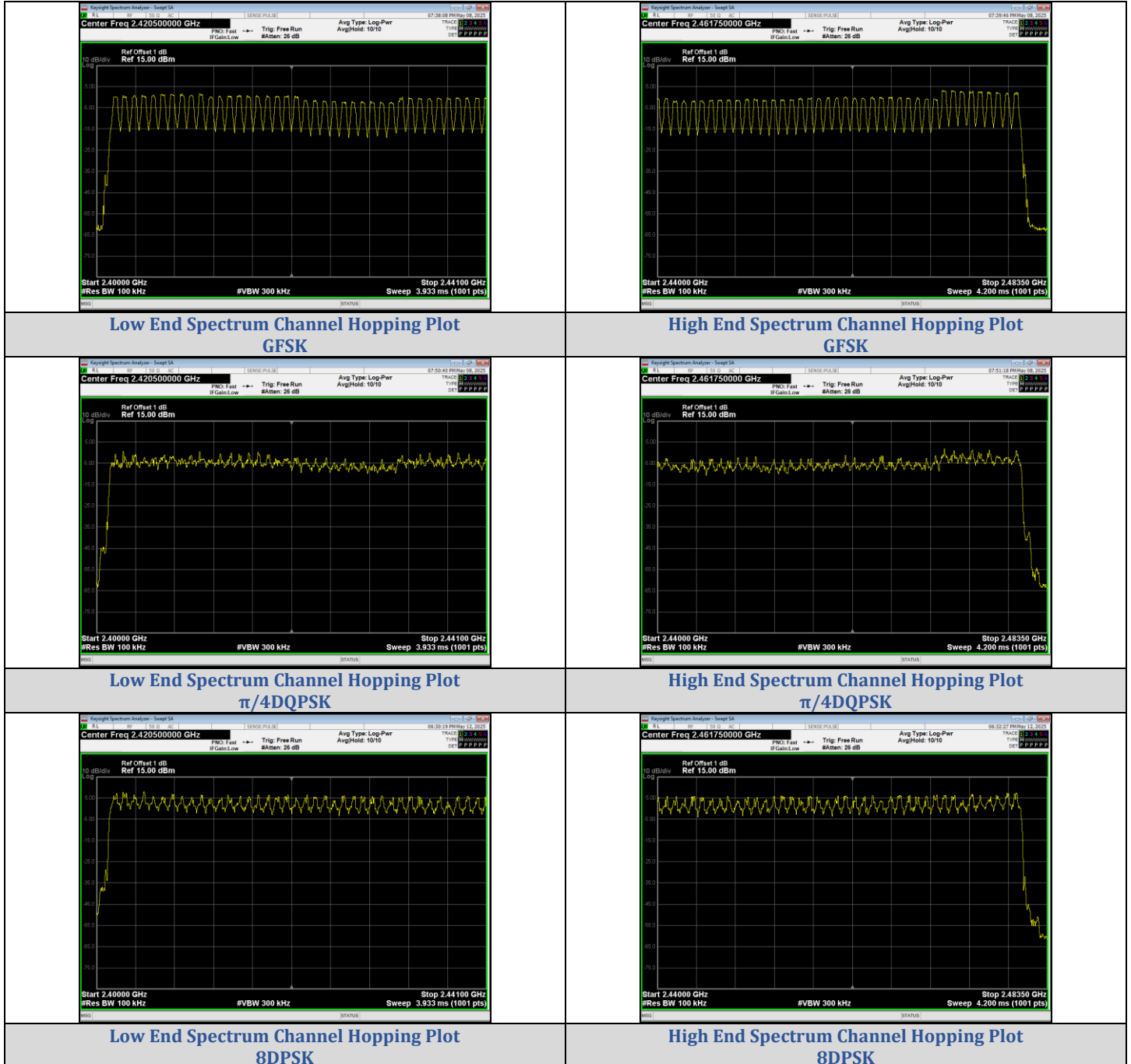


Number Of Hopping Channel

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



Conducted Out Of Band Emission

Test Result

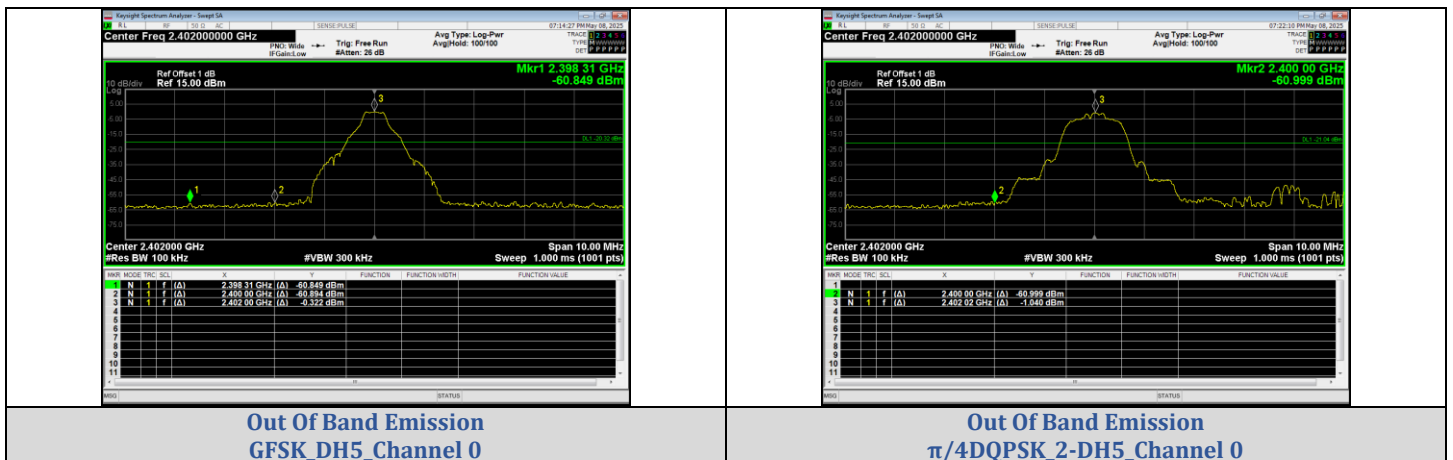
Non-Hopping

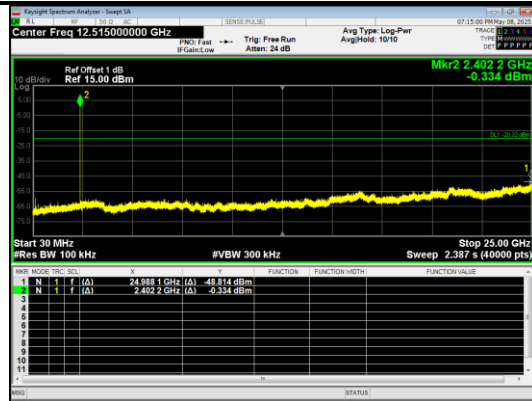
Modulation	Packet	Channel	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result
GFSK	DH5	0	2398.31	-60.849	-20.32	-40.529	PASS
			2400.00	-60.894	-20.32	-40.574	PASS
			24988.1	-48.814	-20.32	-28.494	PASS
		39	2540.80	-35.947	-20.64	-15.307	PASS
		78	2483.50	-62.914	-18.08	-44.834	PASS
			24980.0	-49.712	-18.08	-31.632	PASS
$\pi/4$ DQPSK	2-DH5	0	1762.96	-32.558	-21.04	-11.518	PASS
			2400.00	-60.999	-21.04	-39.959	PASS
		39	24988.1	-48.710	-21.26	-27.450	PASS
			2483.50	-61.884	-19.1	-42.784	PASS
		78	2672.52	-41.734	-19.1	-22.634	PASS
			2483.50	-61.441	-19.1	-42.341	PASS
8DPSK	3-DH5	0	2400.00	-59.304	-21.07	-38.234	PASS
			2619.45	-29.648	-21.07	-8.578	PASS
		39	24971.9	-50.075	-21.36	-28.715	PASS
			2483.50	-61.441	-19.1	-42.341	PASS
		78	24968.8	-49.695	-19.1	-30.595	PASS
			2483.50	-61.441	-19.1	-42.341	PASS

Hopping

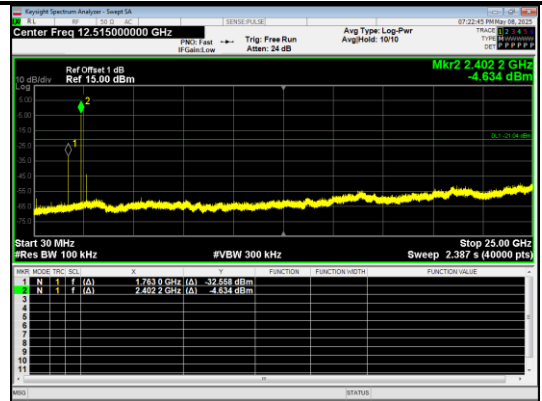
Modulation	Packet	Channel	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result
GFSK	DH5	Hopping	2395.72	-50.857	-19.01	-31.847	PASS
			2400.00	-62.320	-19.01	-43.310	PASS
			2483.50	-62.479	-17.42	-45.059	PASS
π/4DQPSK	2-DH5		2397.21	-60.617	-20.94	-39.677	PASS
			2400.00	-60.667	-20.94	-39.727	PASS
			2483.50	-62.477	-18.85	-43.627	PASS
8DPSK	3-DH5		2400.00	-49.531	-12.04	-37.491	PASS
			2483.50	-56.141	-12.62	-43.521	PASS

Test Graphs

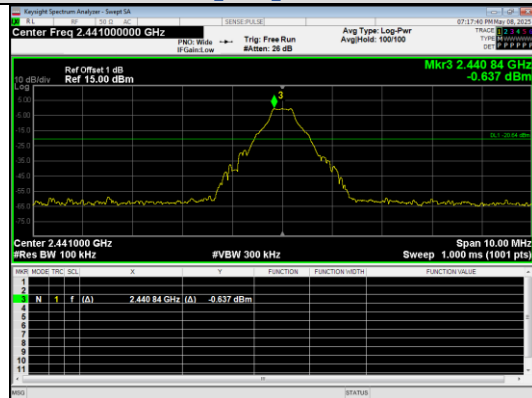




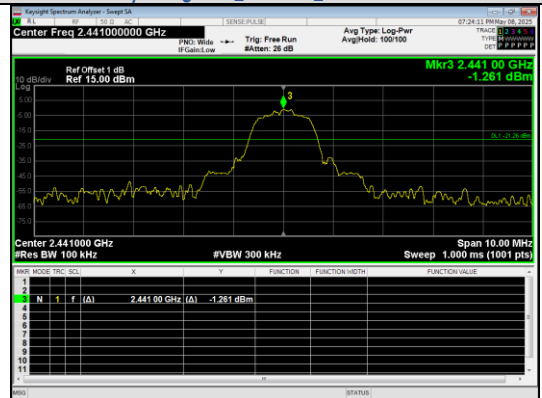
30.0 MHz - 25000.0 MHz
GFSK_DH5_Channel 0



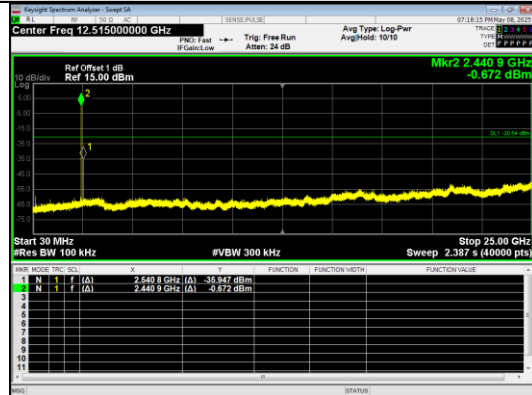
30.0 MHz - 25000.0 MHz
 $\pi/4$ DQPSK_2-DH5_Channel 0



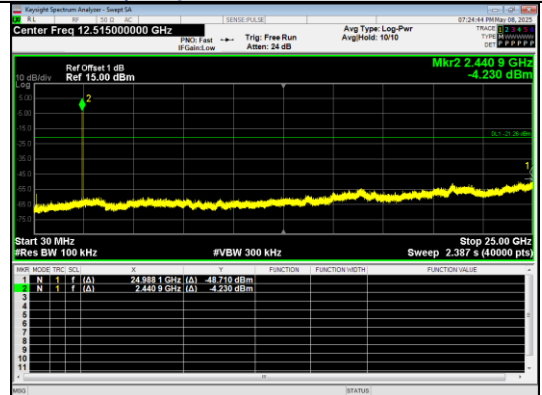
Out Of Band Emission
GFSK_DH5_Channel 39



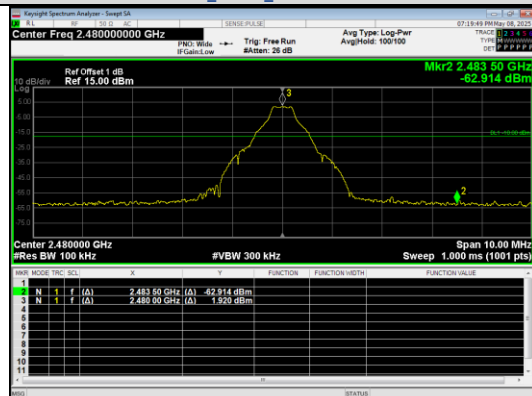
Out Of Band Emission
 $\pi/4$ DQPSK_2-DH5_Channel 39



30.0 MHz - 25000.0 MHz
GFSK_DH5_Channel 39



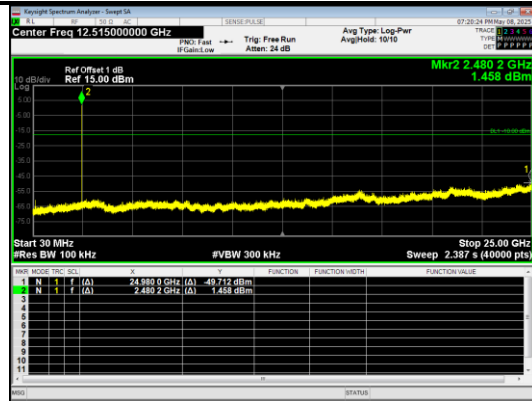
30.0 MHz - 25000.0 MHz
 $\pi/4$ DQPSK_2-DH5_Channel 39



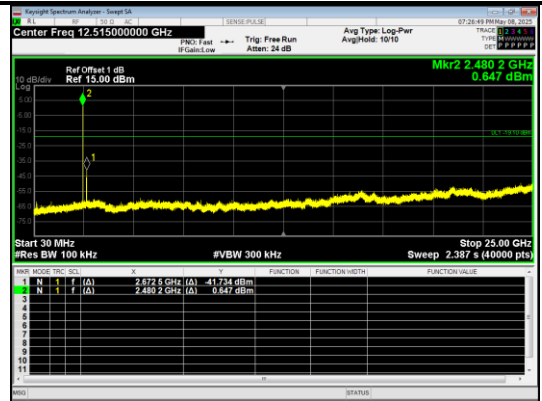
Out Of Band Emission
GFSK_DH5_Channel 78



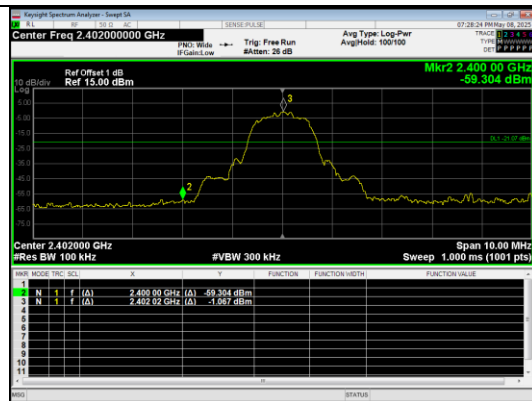
Out Of Band Emission
 $\pi/4$ DQPSK_2-DH5_Channel 78



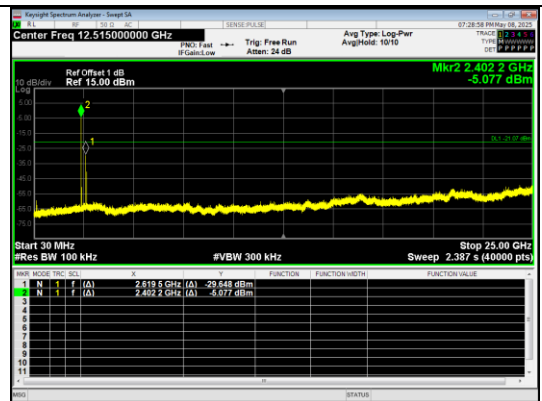
30.0 MHz - 25000.0 MHz
GFSK_DH5_Channel 78



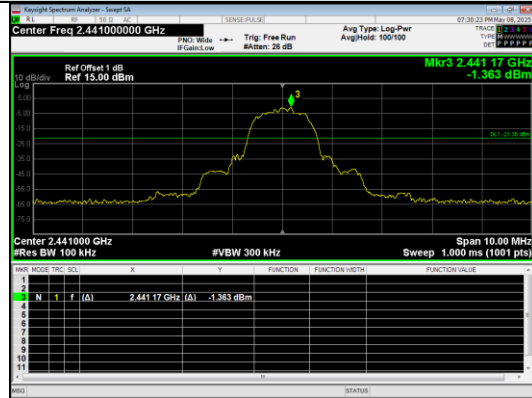
30.0 MHz - 25000.0 MHz
 $\pi/4$ DQPSK_2-DH5_Channel 78



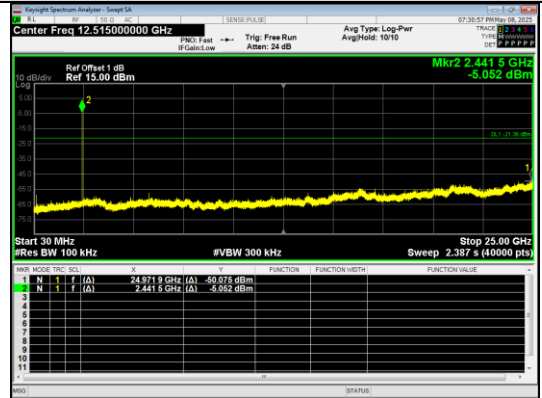
Out Of Band Emission
8DPSK_3-DH5_Channel 0



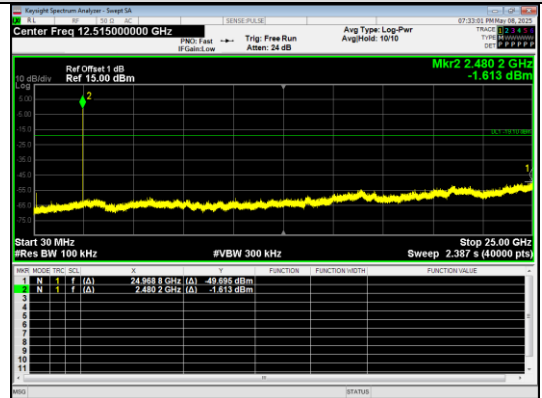
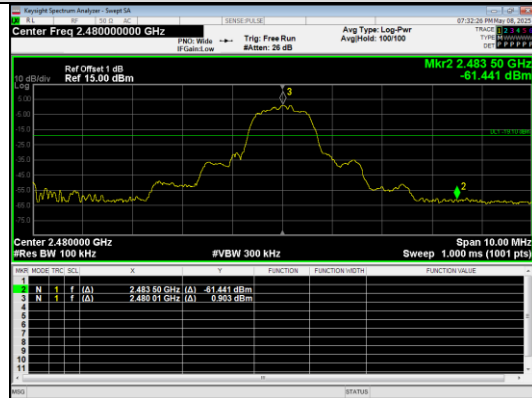
30.0 MHz - 25000.0 MHz
8DPSK_3-DH5_Channel 0



Out Of Band Emission
8DPSK_3-DH5_Channel 39

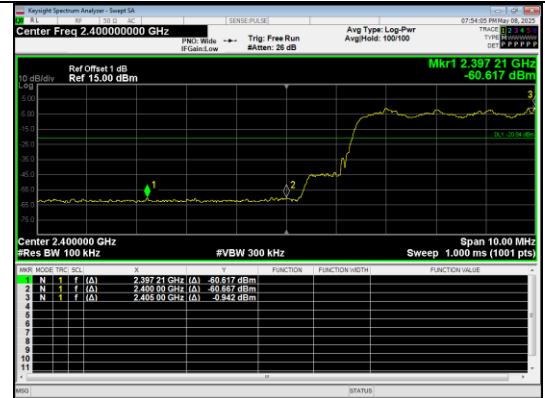
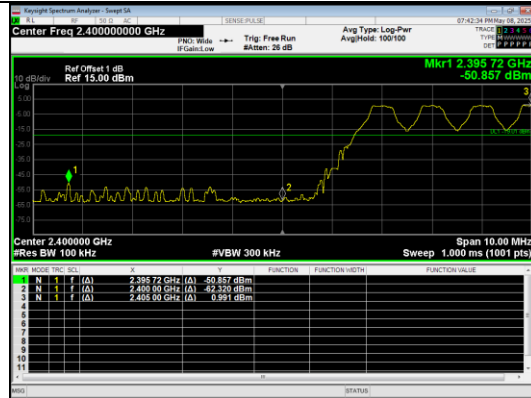


30.0 MHz - 25000.0 MHz
8DPSK_3-DH5_Channel 39



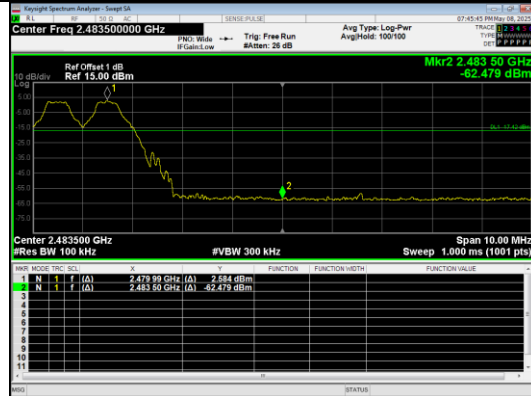
Out Of Band Emission 8DPSK_3-DH5_Channel 78

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

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