

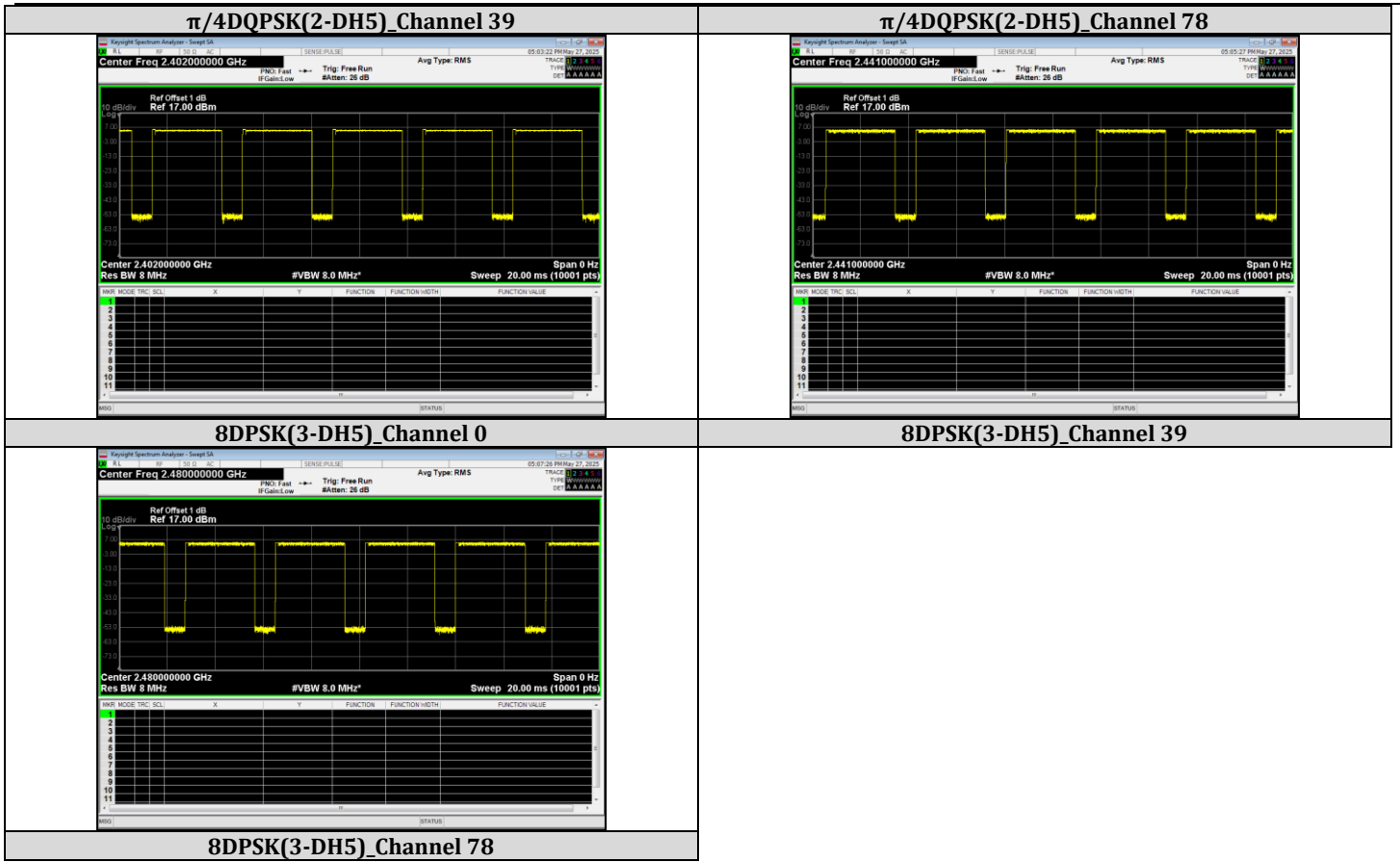


Duty Cycle Test Result

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	2.896	3.748	77.27	0.7727	1.1199	0.3453
		78	2.896	3.748	77.27	0.7727	1.1199	0.3453
$\pi/4$ DQPSK	2-DH5	0	2.884	3.748	76.95	0.7695	1.1379	0.3467
		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	2.882	3.748	76.89	0.7689	1.1413	0.3470
		78	2.882	3.748	76.89	0.7689	1.1413	0.3470

Test Graphs

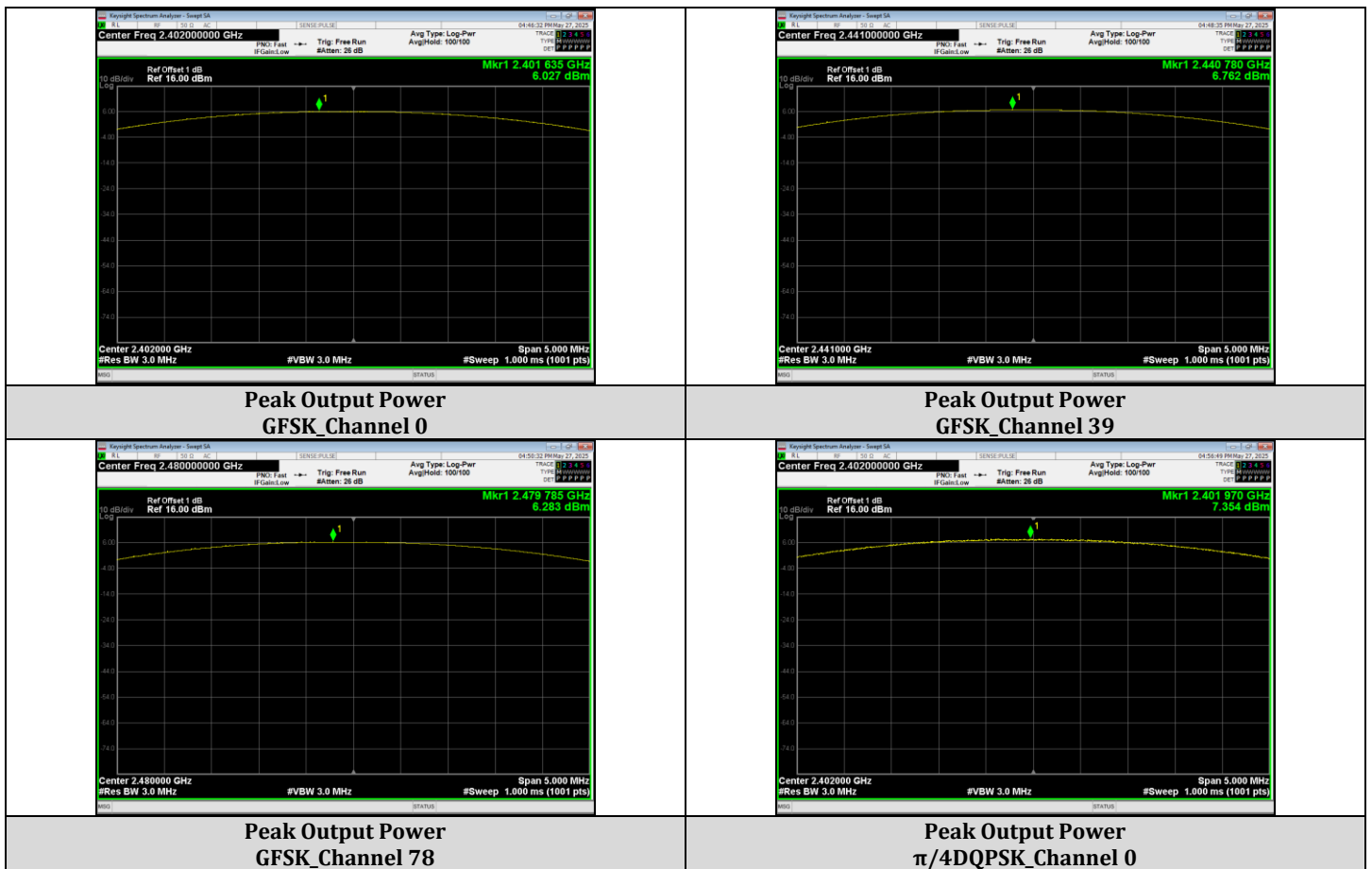


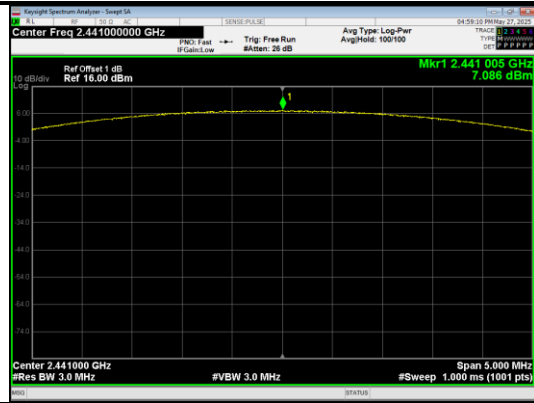


Conducted Output Power Test Result

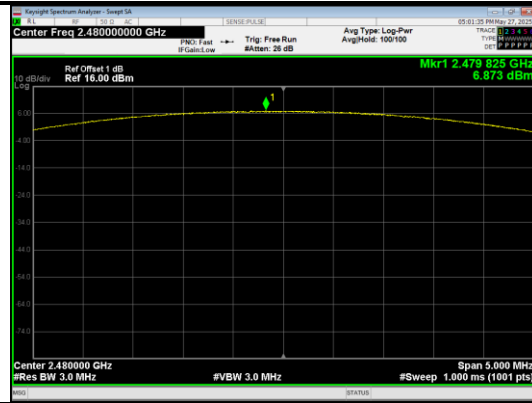
Modulation	Packet Type	Channel	Peak Output Power (dBm)	Peak Output Power (mW)	Max. Avg. Power (dBm)	Limit (dBm)	Result
GFSK	DH5	0	6.03	4.01	5.68	≤30	PASS
		39	6.76	4.74	6.44		PASS
		78	6.28	4.25	5.83		PASS
$\pi/4$ DQPSK	2-DH5	0	7.35	5.44	4.22	≤20.97	PASS
		39	7.09	5.11	3.99		PASS
		78	6.87	4.87	3.89		PASS
8DPSK	3-DH5	0	7.75	5.96	4.22		PASS
		39	7.48	5.59	3.96		PASS
		78	7.19	5.24	3.75		PASS

Test Graphs

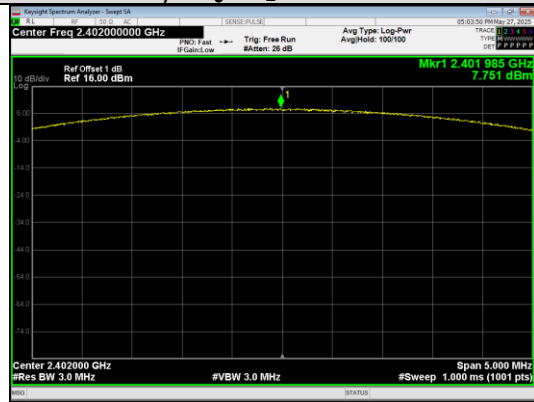




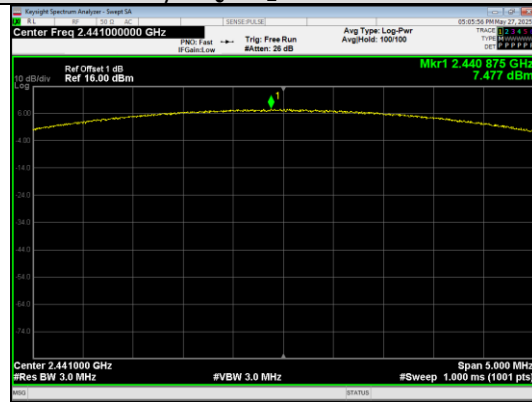
**Peak Output Power
 $\pi/4$ DQPSK_Channel 39**



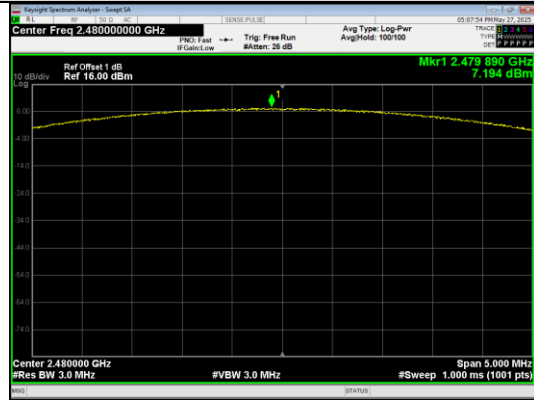
**Peak Output Power
 $\pi/4$ DQPSK_Channel 78**



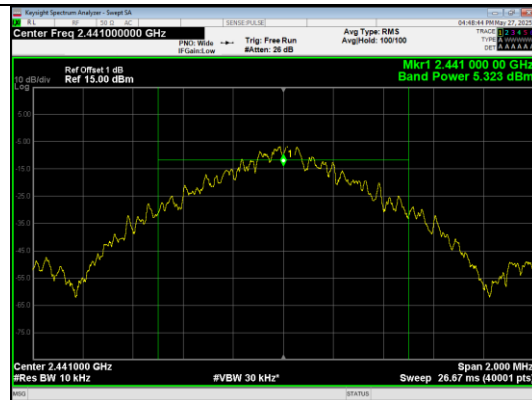
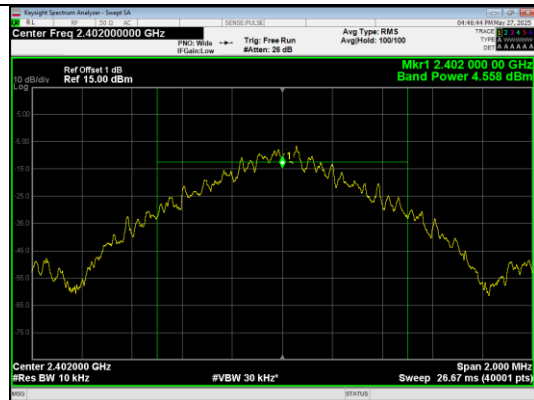
**Peak Output Power
 8DPSK_Channel 0**



**Peak Output Power
 8DPSK_Channel 39**

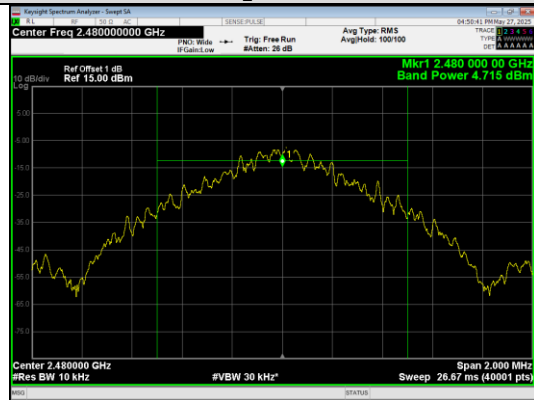


**Peak Output Power
 8DPSK_Channel 78**





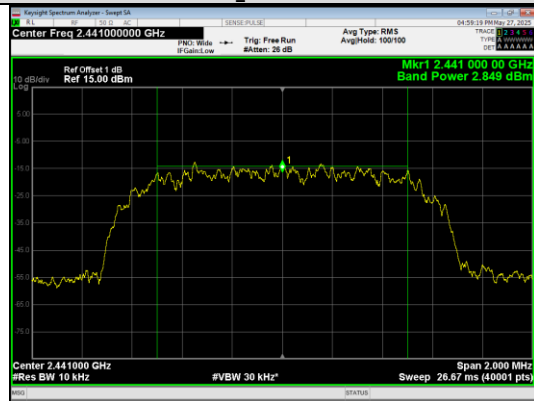
Average Output Power GFSK_Channel 0



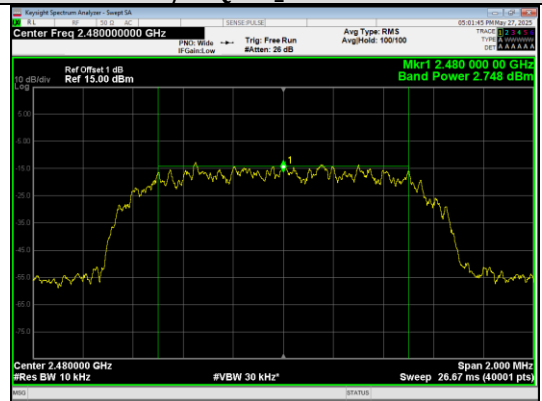
Average Output Power GFSK_Channel 39



Average Output Power GFSK_Channel 78



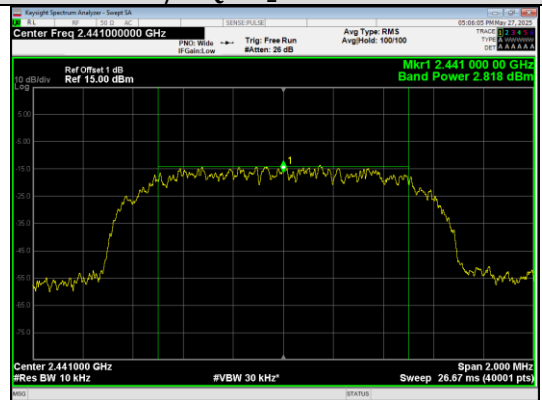
Average Output Power $\pi/4$ DQPSK_Channel 0



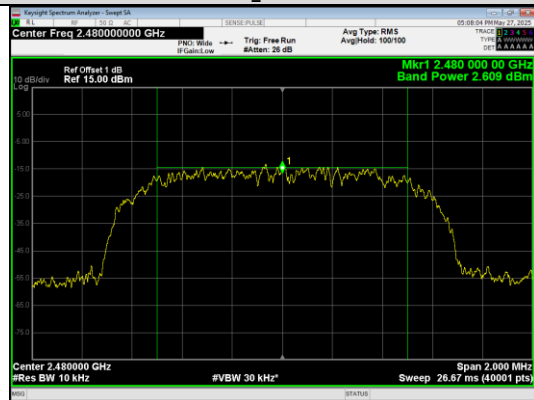
Average Output Power $\pi/4$ DQPSK_Channel 39



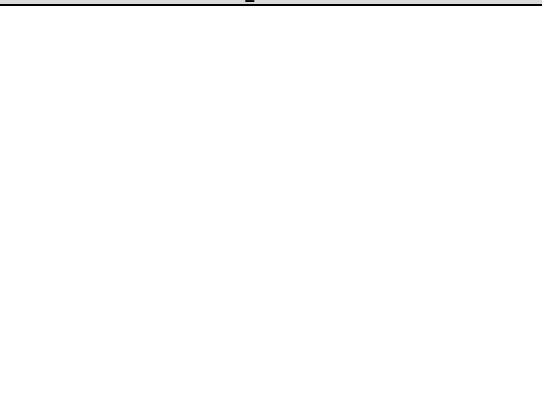
Average Output Power $\pi/4$ DQPSK_Channel 78



Average Output Power 8DPSK_Channel 0



Average Output Power 8DPSK_Channel 39



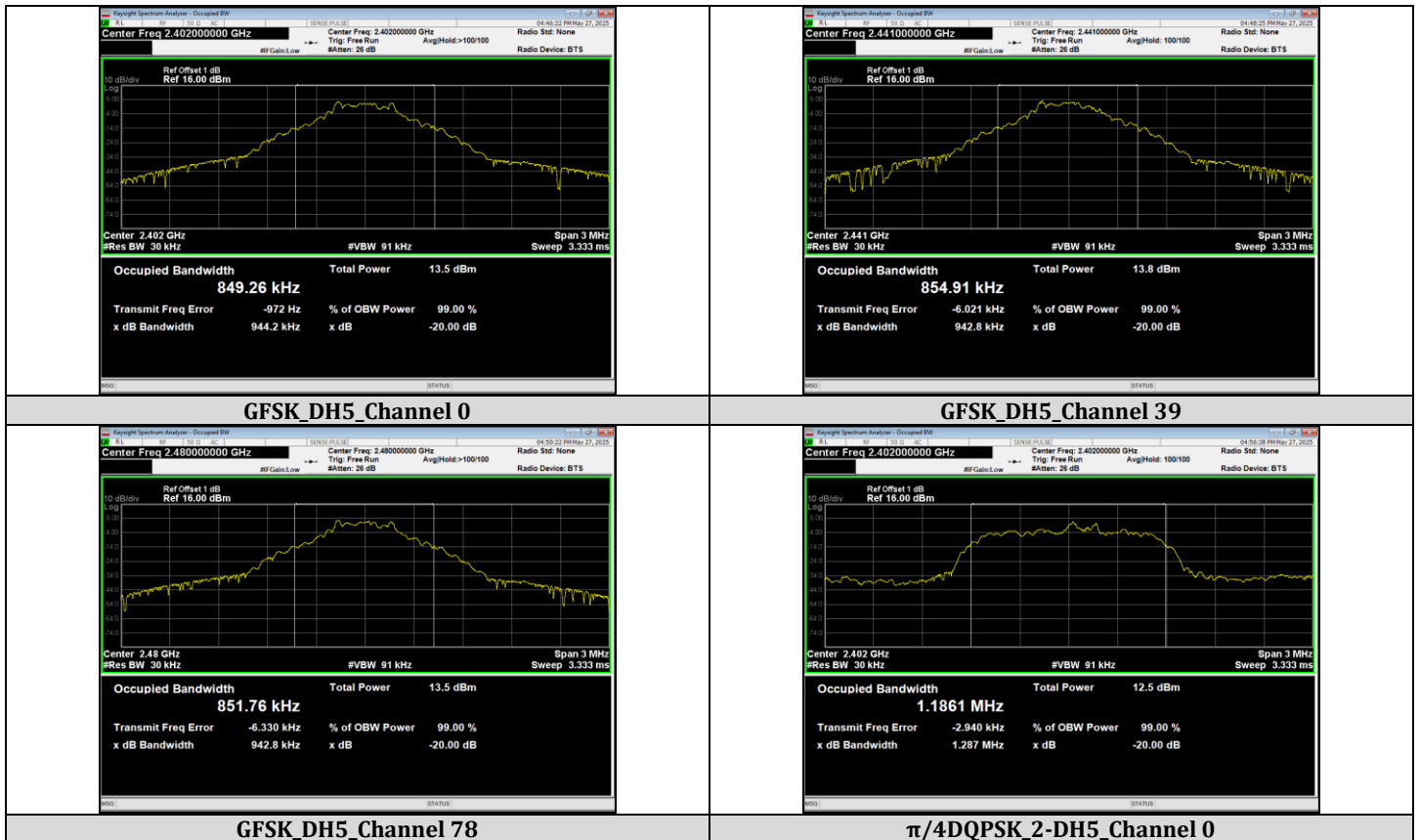


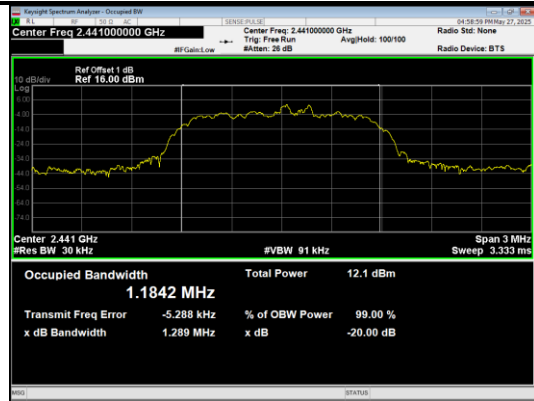
**Average Output Power
8DPSK_Channel 78**

**20dB Bandwidth
Test Result**

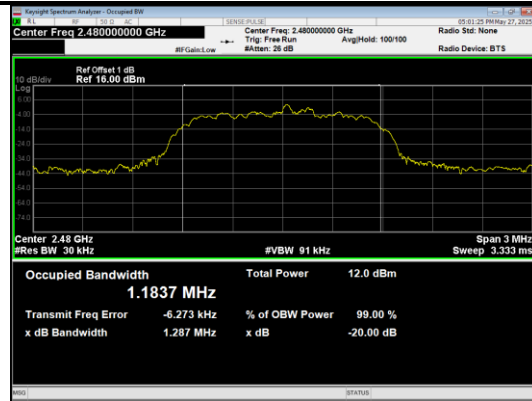
Modulation	Channel	Center Frequency (MHz)	20 dB Bandwidth (MHz)
GFSK	0	2402 MHz	0.9442
	39	2441 MHz	0.9428
	78	2480 MHz	0.9428
$\pi/4$ DQPSK	0	2402 MHz	1.287
	39	2441 MHz	1.289
	78	2480 MHz	1.287
8DPSK	0	2402 MHz	1.297
	39	2441 MHz	1.299
	78	2480 MHz	1.297

Test Graphs

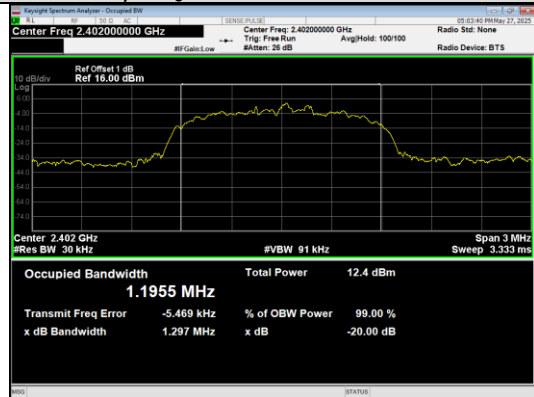




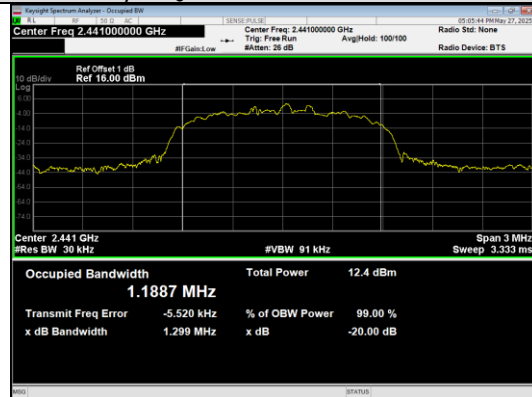
$\pi/4$ DQPSK 2-DH5_Channel 39



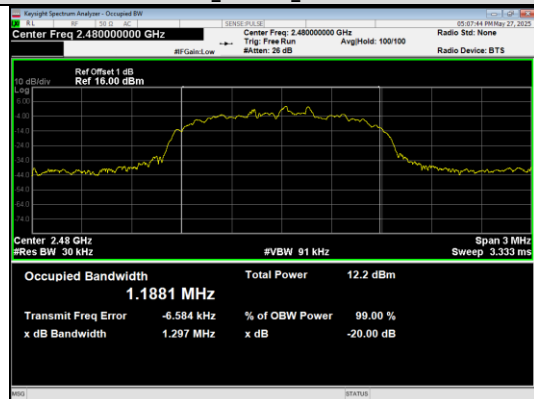
$\pi/4$ DQPSK 2-DH5_Channel 78



8DPSK_3-DH5_Channel 0



8DPSK_3-DH5_Channel 39



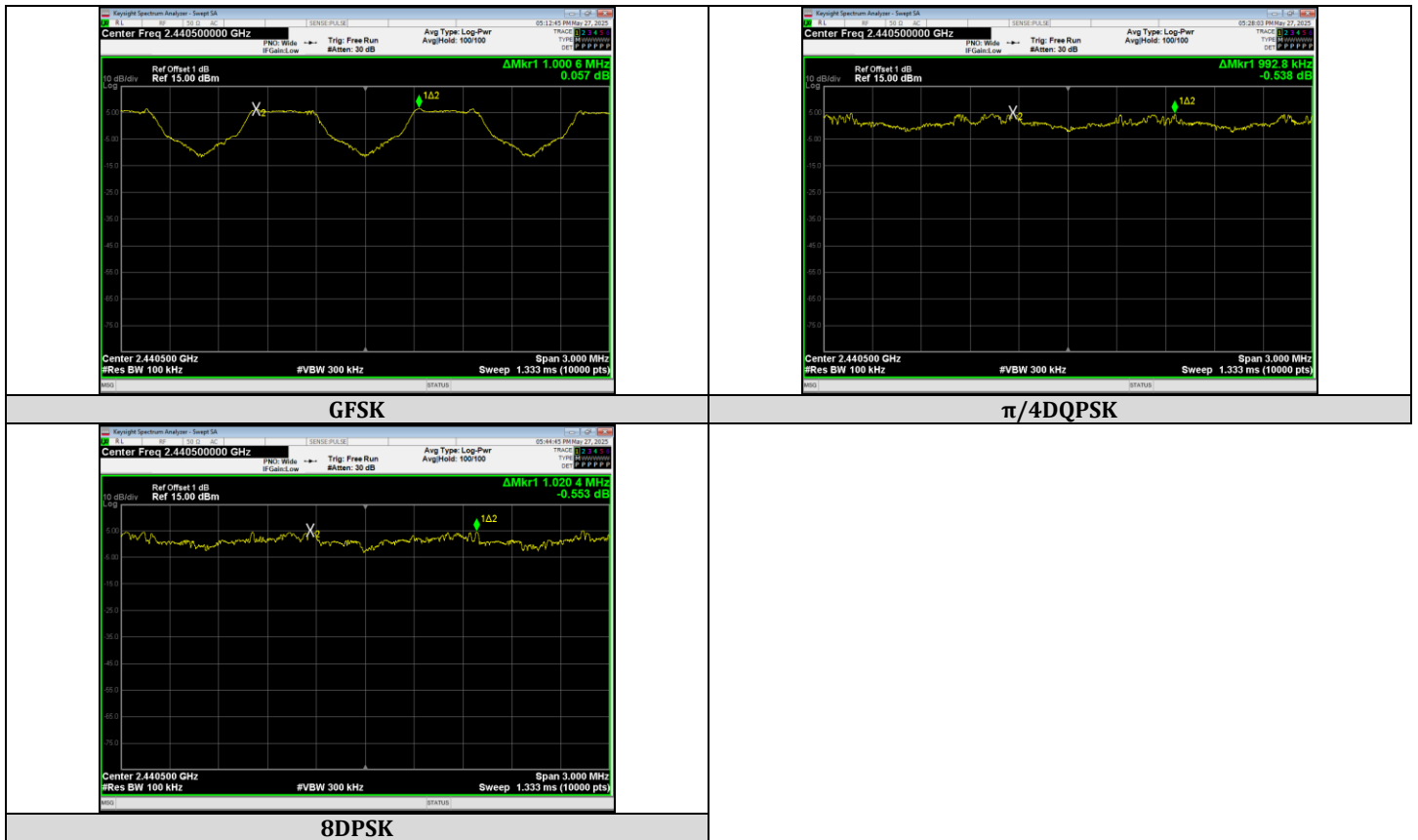
8DPSK_3-DH5_Channel 78

Carrier Frequencies Separation

Test Result

Modulation	Packet	Left Center frequency (MHz)	Right Center frequency (MHz)	Hopping Frequency Separation (MHz)	Limit (MHz)	Result
GFSK	DH5	2439.829	2440.8296	1.0006	0.629	PASS
$\pi/4$ DQPSK	2-DH5	2440.1632	2441.156	0.9928	0.859	PASS
8DPSK	3-DH5	2440.1614	2441.1818	1.0204	0.866	PASS

Test Graphs

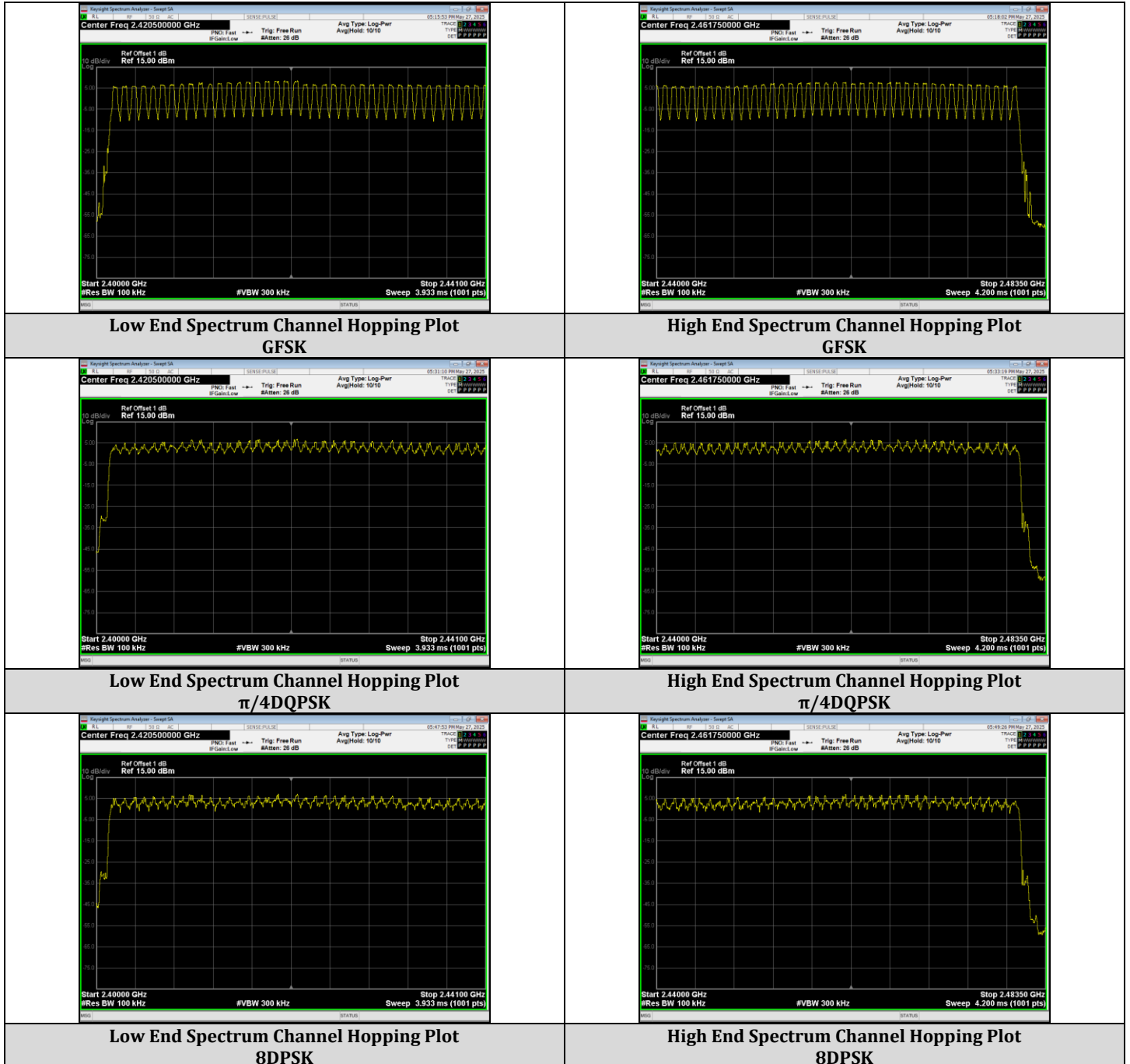


Number Of Hopping Channel

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

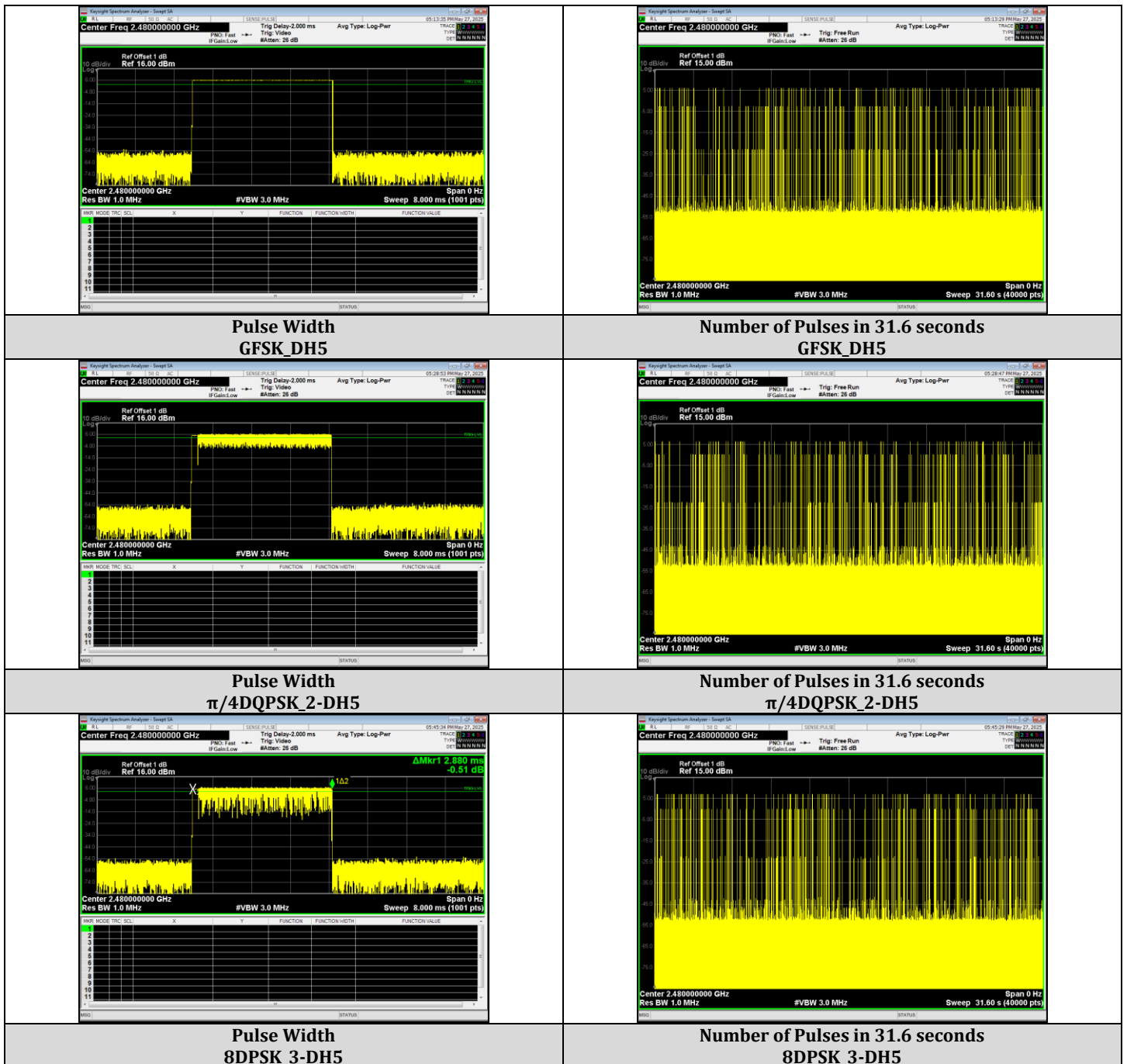
Test Graphs



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	97	280.91	< 400	PASS
$\pi/4$ DQPSK	2-DH5		2.880	95	273.6		PASS
8DPSK	3-DH5		2.880	103	296.64		PASS

Test Graphs



Conducted Out Of Band Emission Test Result

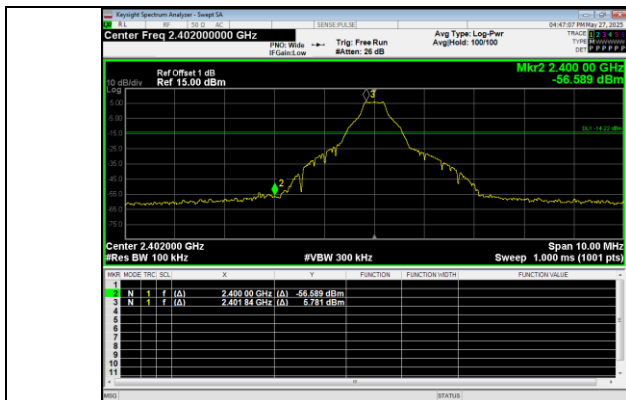
Non-Hopping

Modulation	Packet	Channel	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result
GFSK	DH5	0	2400.00	-56.589	-14.22	-42.369	PASS
			24982.5	-49.165	-14.22	-34.945	PASS
		78	24356.4	-49.162	-13.53	-35.632	PASS
			2483.50	-58.573	-14.03	-44.543	PASS
$\pi/4$ DQPSK	2-DH5	0	2400.00	-47.030	-14.7	-32.330	PASS
			24938.8	-50.065	-14.7	-35.365	PASS
		78	24941.9	-49.200	-15.47	-33.730	PASS
			2483.50	-57.741	-15.21	-42.531	PASS
8DPSK	3-DH5	0	2400.00	-45.603	-14.64	-30.963	PASS
			24344.5	-50.319	-14.64	-35.679	PASS
		78	24954.4	-48.789	-15.03	-33.759	PASS
			2483.50	-57.953	-15.18	-42.773	PASS
			25000.0	-48.901	-15.18	-33.721	PASS

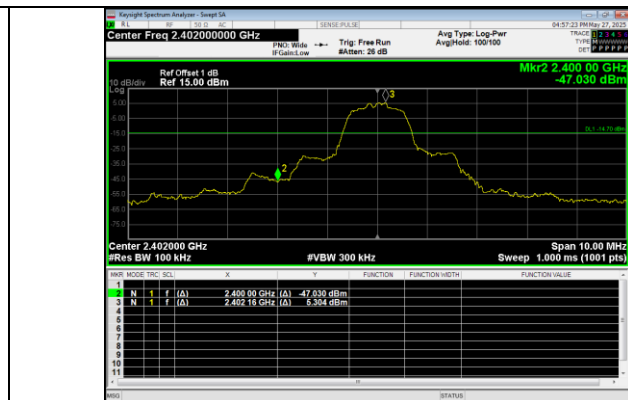
Hopping

Modulation	Packet	Channel	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result
GFSK	DH5	Hopping	2400.00	-55.945	-13.81	-42.135	PASS
			2483.50	-60.304	-13.72	-46.584	PASS
$\pi/4$ DQPSK	2-DH5		2400.00	-46.191	-14.56	-31.631	PASS
			2483.50	-57.565	-15.26	-42.305	PASS
8DPSK	3-DH5		2400.00	-45.502	-14.32	-31.182	PASS
			2483.50	-57.786	-14.95	-42.836	PASS

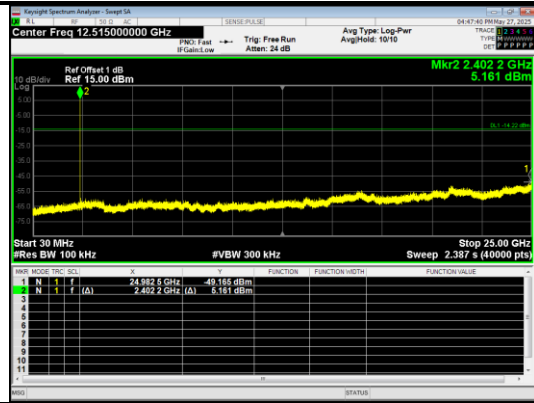
Test Graphs



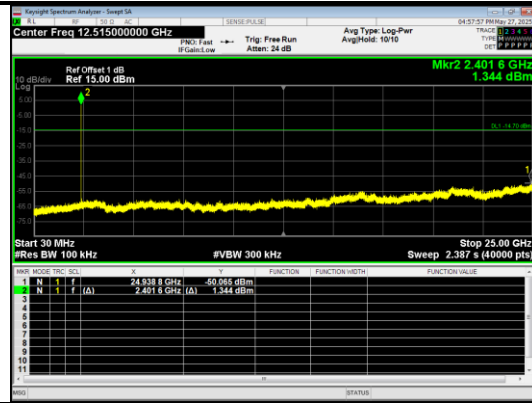
Out Of Band Emission
GFSK_DH5_Channel 0



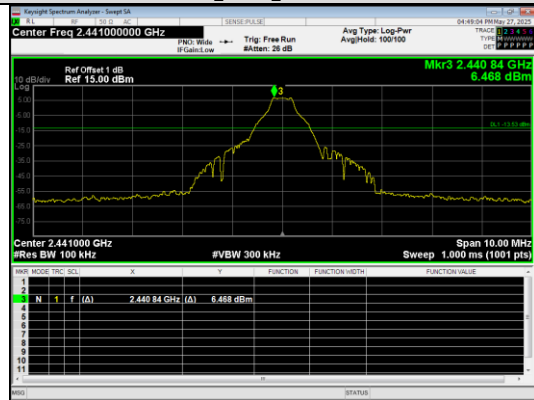
Out Of Band Emission
 $\pi/4$ DQPSK_2-DH5_Channel 0



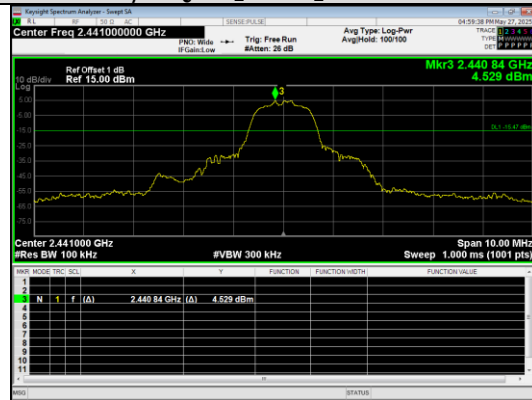
30.0 MHz - 25000.0 MHz
GFSK_DH5_Channel 0



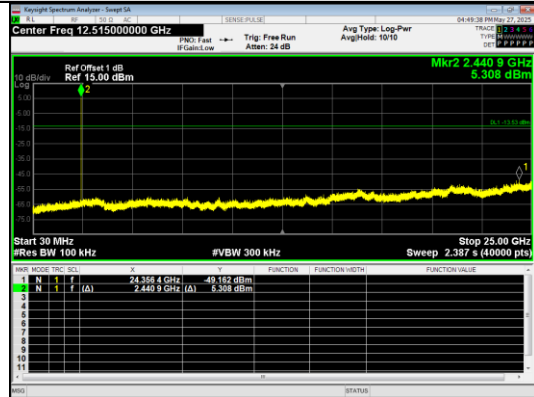
30.0 MHz - 25000.0 MHz
 $\pi/4$ DQPSK_2-DH5_Channel 0



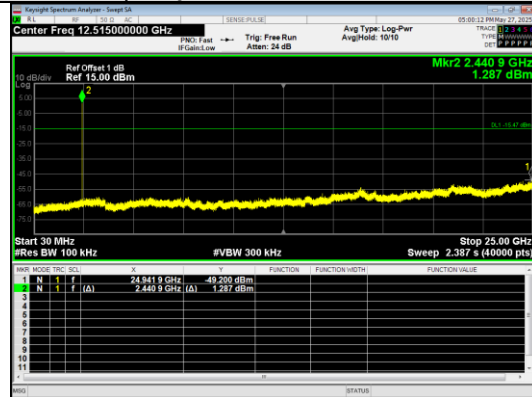
Out Of Band Emission
GFSK_DH5_Channel 39



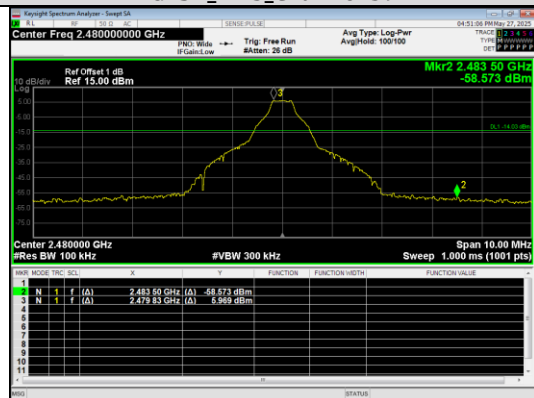
Out Of Band Emission
 $\pi/4$ DQPSK_2-DH5_Channel 39



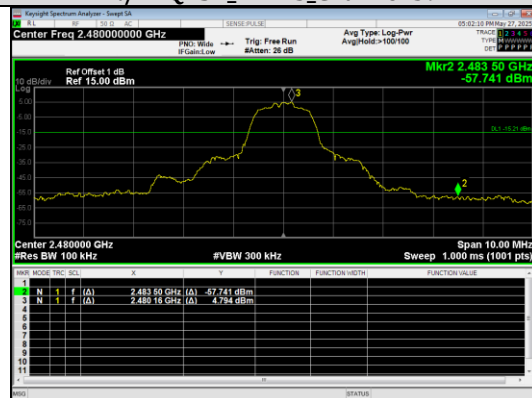
30.0 MHz - 25000.0 MHz
GFSK_DH5_Channel 39



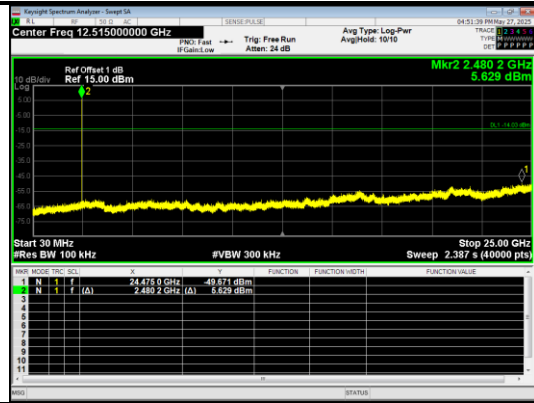
30.0 MHz - 25000.0 MHz
 $\pi/4$ DQPSK_2-DH5_Channel 39



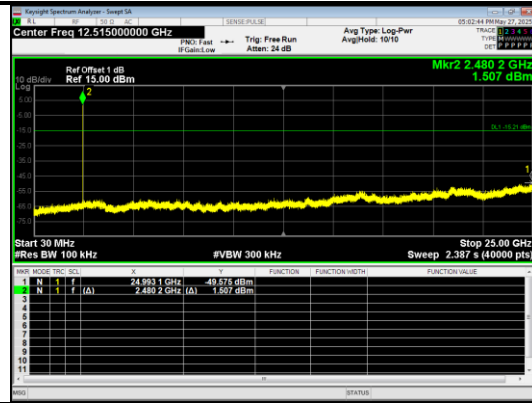
Out Of Band Emission
GFSK_DH5_Channel 78



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



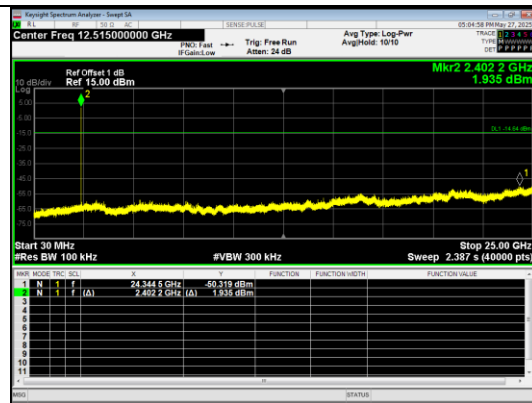
30.0 MHz - 25000.0 MHz
GFSK_DH5_Channel 78



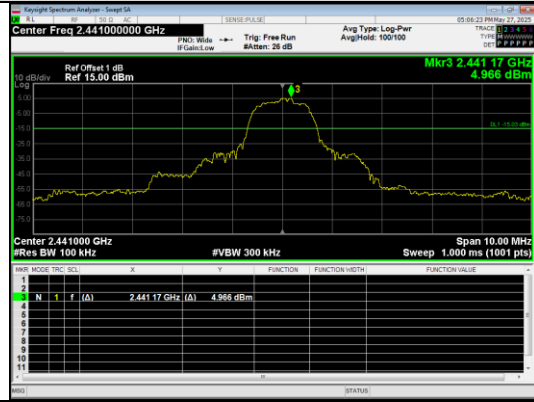
30.0 MHz - 25000.0 MHz
 $\pi/4$ DQPSK_2-DH5_Channel 78



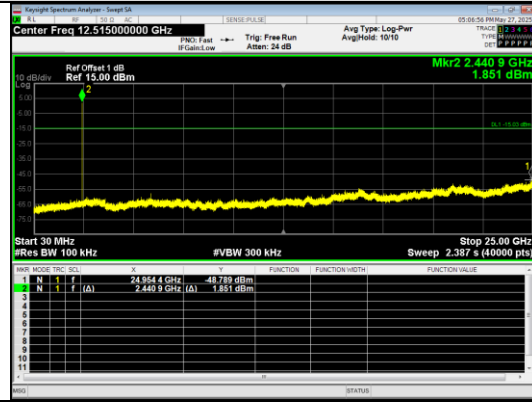
Out Of Band Emission
8DPSK_3-DH5_Channel 0



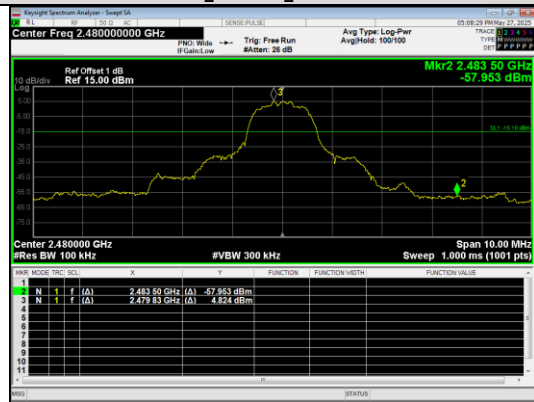
30.0 MHz - 25000.0 MHz
8DPSK_3-DH5_Channel 0



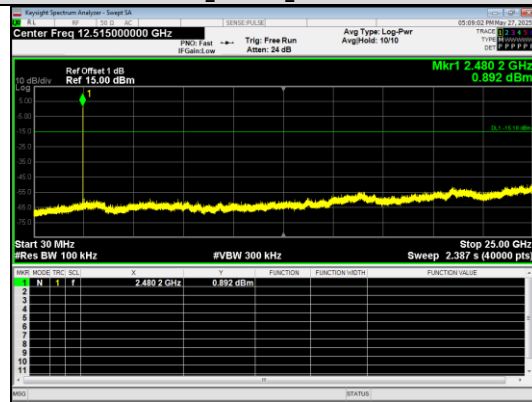
Out Of Band Emission
8DPSK_3-DH5_Channel 39



30.0 MHz - 25000.0 MHz
8DPSK_3-DH5_Channel 39



Out Of Band Emission
8DPSK_3-DH5_Channel 78

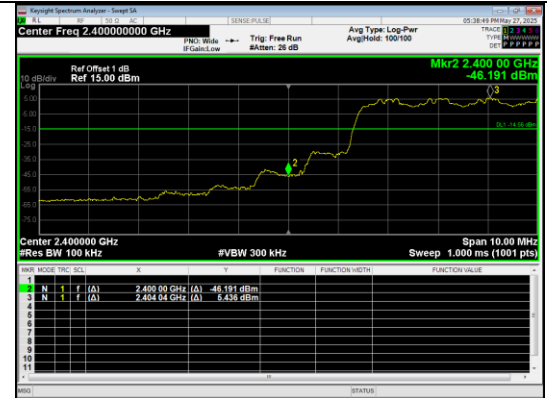
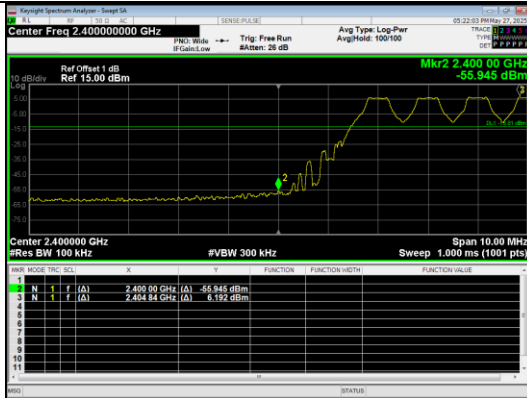


30.0 MHz - 25000.0 MHz
8DPSK_3-DH5_Channel 78



Out Of Band Emission
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