

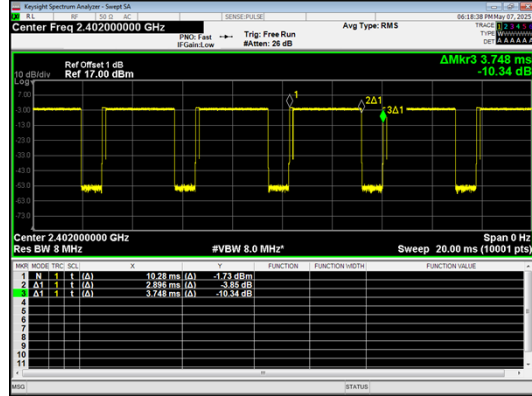
Duty Cycle Test Result

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	2.896	3.748	77.27	0.7727	1.1199	0.3453
		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	2.898	3.748	77.32	0.7732	1.1171	0.3451

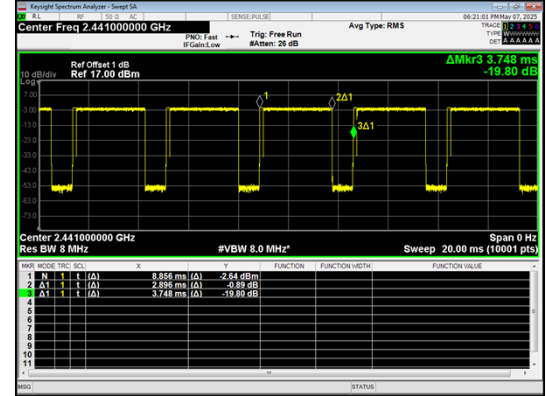
Test Graphs



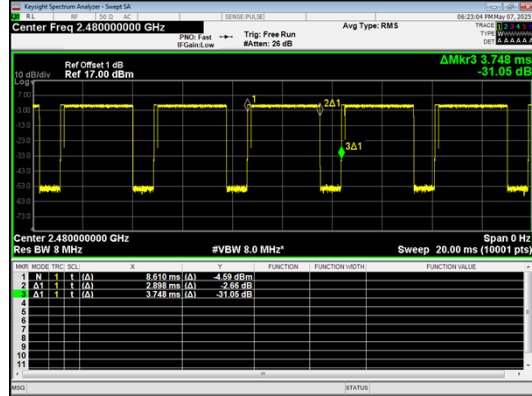
$\pi/4$ DQPSK(2-DH5)_Channel 39



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



8DPSK(3-DH5)_Channel 0



8DPSK(3-DH5)_Channel 39

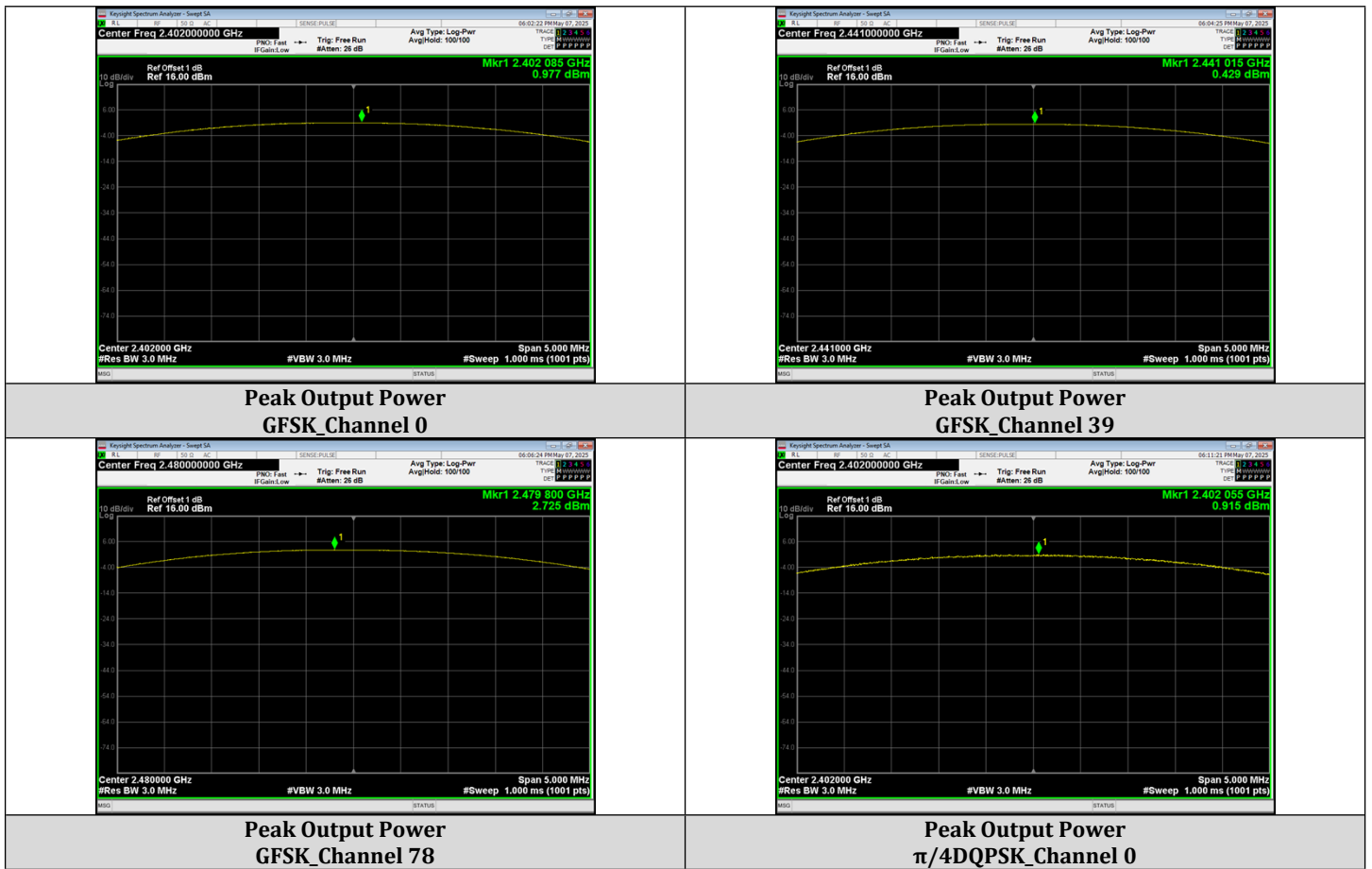
8DPSK(3-DH5)_Channel 78

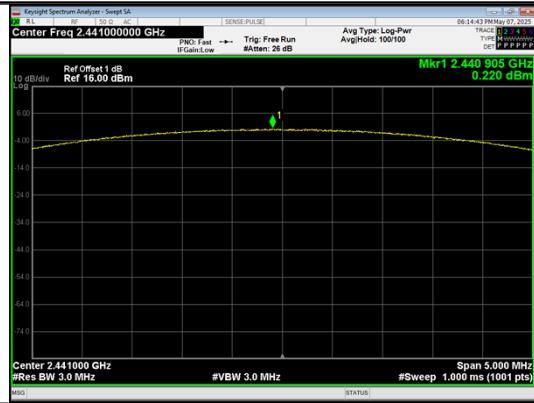
Conducted Output Power

Test Result

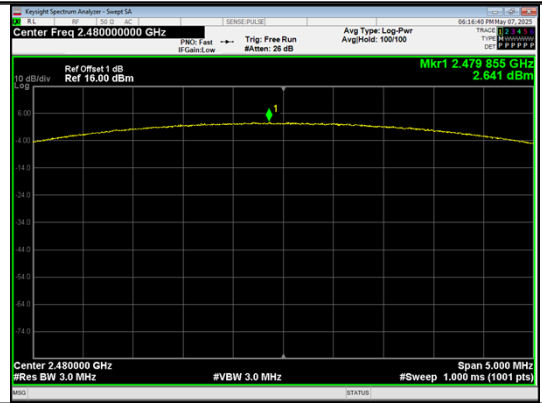
Modulation	Packet Type	Channel	Peak Output Power (dBm)	Peak Output Power (mW)	Limit (dBm)	Result
GFSK	DH5	0	0.98	1.25	≤ 20.97	PASS
		39	0.43	1.10		PASS
		78	2.73	1.87		PASS
$\pi/4$ DQPSK	2-DH5	0	0.92	1.23	≤ 20.97	PASS
		39	0.22	1.05		PASS
		78	2.64	1.84		PASS
8DPSK	3-DH5	0	0.79	1.20	≤ 20.97	PASS
		39	0.65	1.16		PASS
		78	2.79	1.90		PASS

Test Graphs

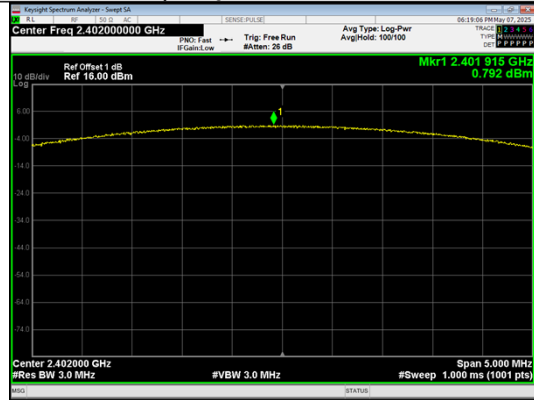




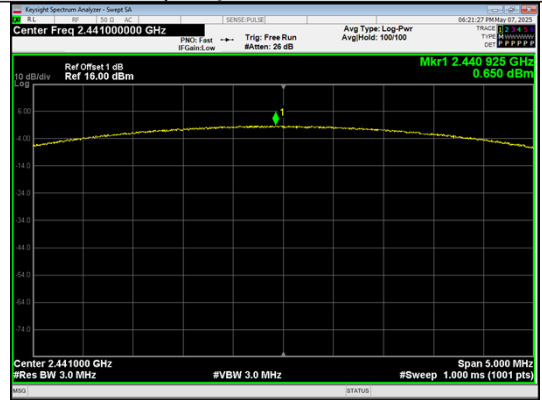
Peak Output Power
 $\pi/4$ DQPSK_Channel 39



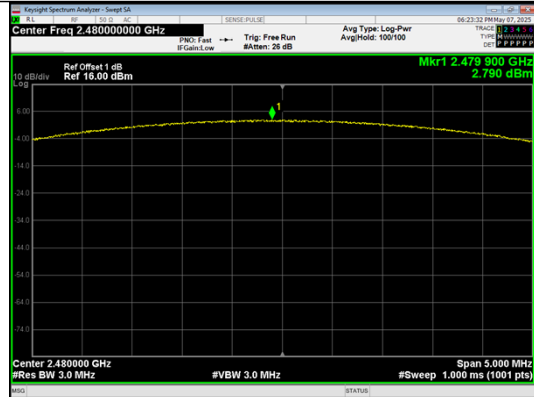
Peak Output Power
 $\pi/4$ DQPSK_Channel 78



Peak Output Power
8DPSK_Channel 0



Peak Output Power
8DPSK_Channel 39



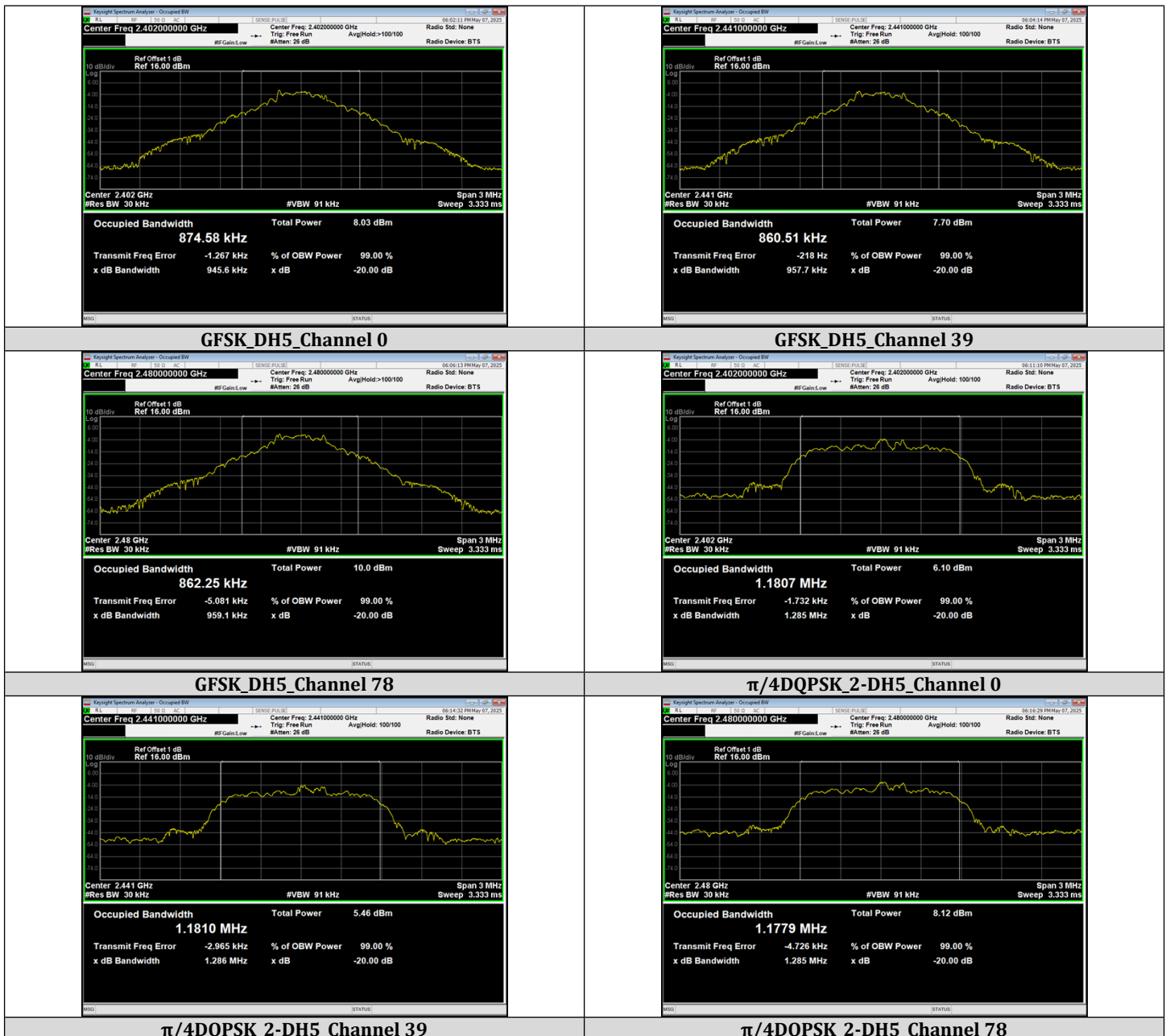
Peak Output Power
8DPSK_Channel 78

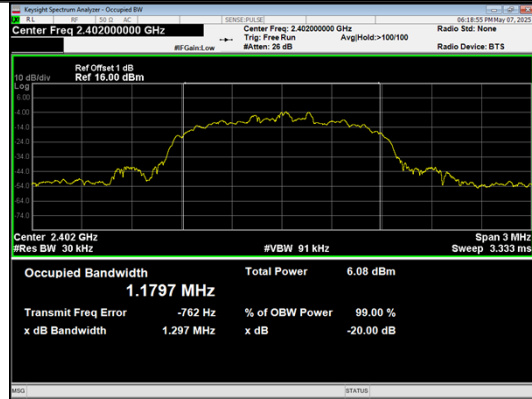
20dB Bandwidth

Test Result

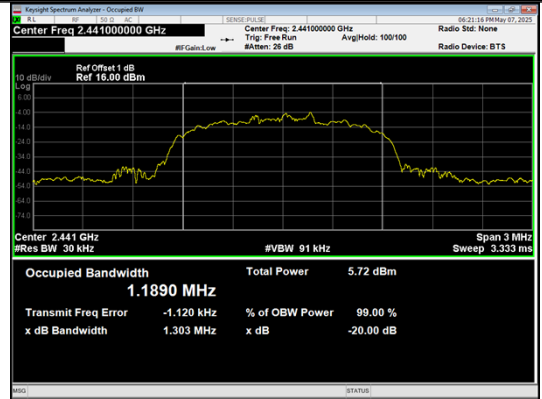
Modulation	Channel	Center Frequency (MHz)	20 dB Bandwidth (MHz)
GFSK	0	2402 MHz	0.9456
	39	2441 MHz	0.9577
	78	2480 MHz	0.9591
$\pi/4$ DQPSK	0	2402 MHz	1.285
	39	2441 MHz	1.286
	78	2480 MHz	1.285
8DPSK	0	2402 MHz	1.297
	39	2441 MHz	1.303
	78	2480 MHz	1.300

Test Graphs

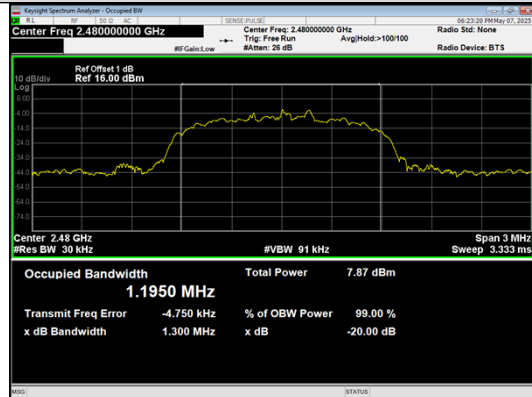




8DPSK_3-DH5_Channel 0



8DPSK_3-DH5_Channel 39



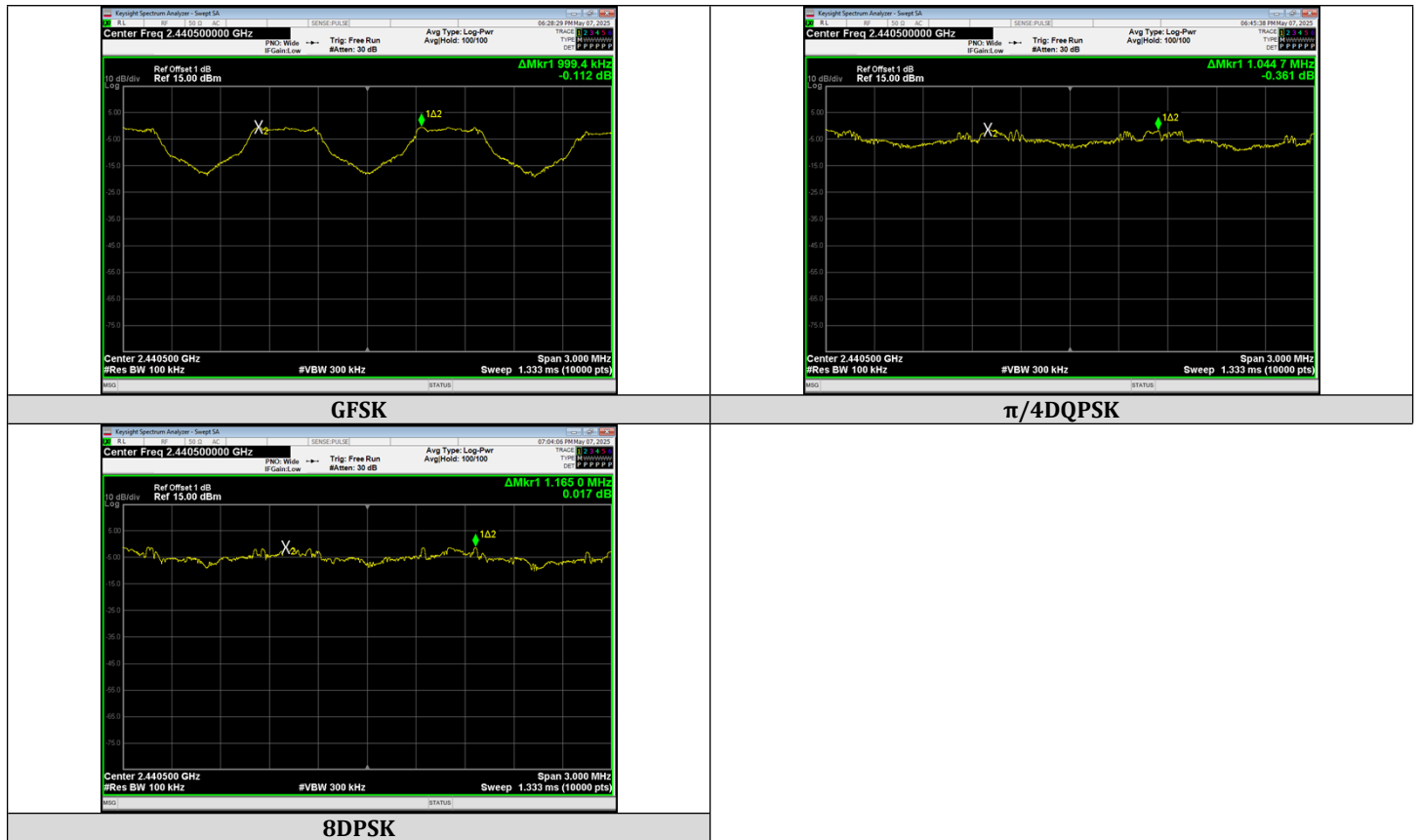
8DPSK_3-DH5_Channel 78

Carrier Frequencies Separation

Test Result

Modulation	Packet	Left Center frequency (MHz)	Right Center frequency (MHz)	Hopping Frequency Separation (MHz)	Limit (MHz)	Result
GFSK	DH5	2439.8329	2440.8323	0.9994	0.639	PASS
$\pi/4$ DQPSK	2-DH5	2439.9961	2441.0408	1.0447	0.857	PASS
8DPSK	3-DH5	2439.9976	2441.1626	1.1650	0.869	PASS

Test Graphs

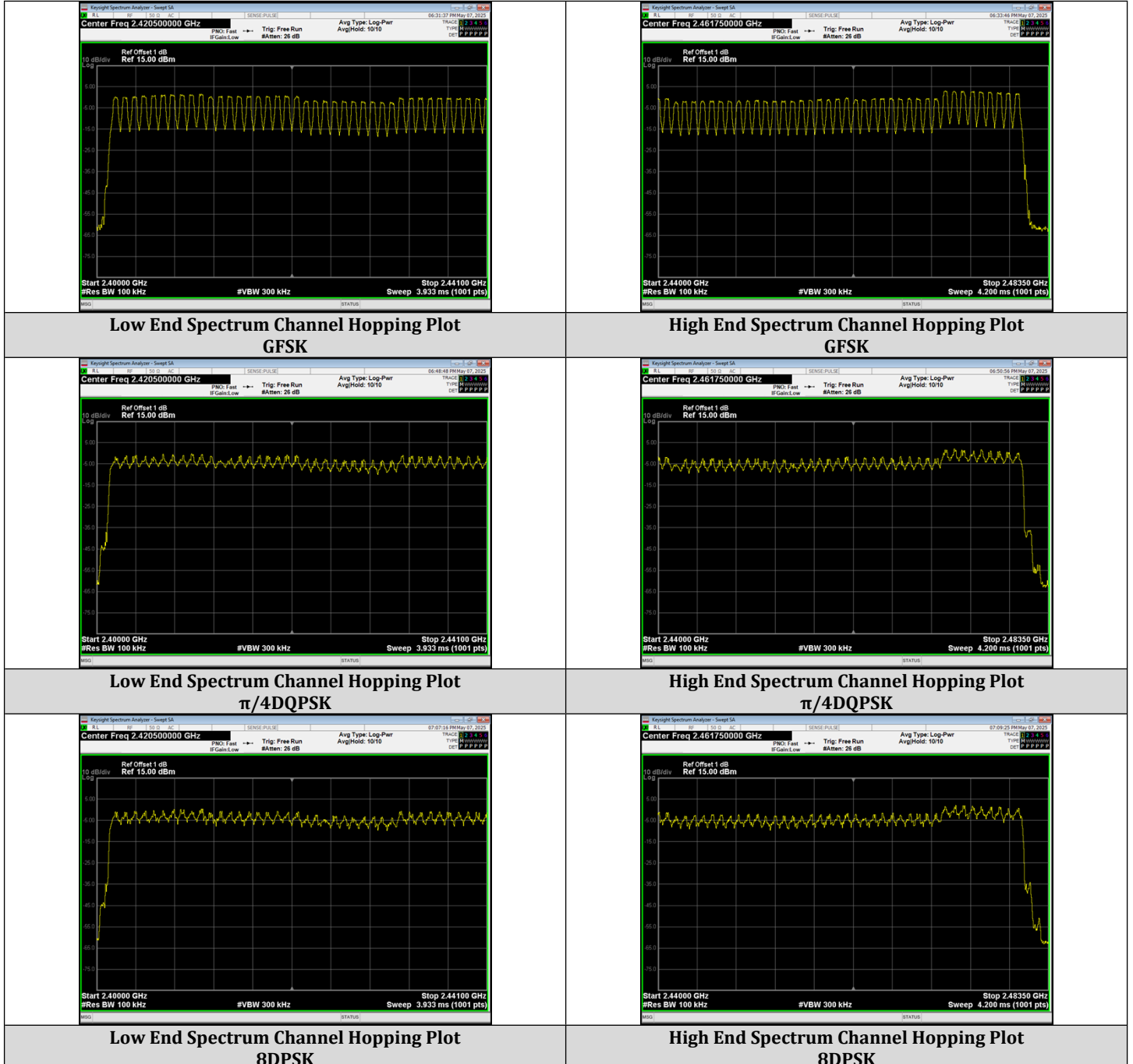


Number of Hopping Channel

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

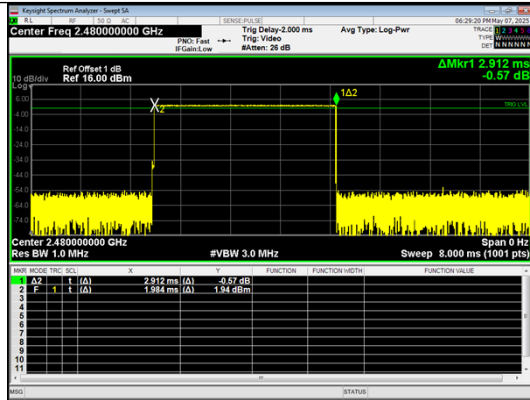


Dwell Time

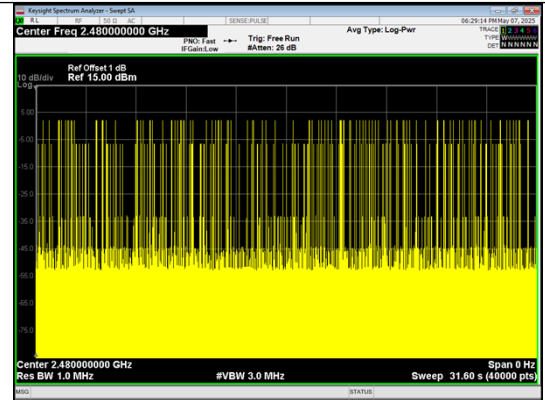
Test Result

Modulation	Packet	Channel	Pulse Width (ms)	Number of Pulses in 31.6 seconds	Dwell Time (ms)	Limit (ms)	Result
GFSK	DH5	CH78 (2480MHz)	2.912	104	302.85	< 400	PASS
$\pi/4$ DQPSK	2-DH5		2.896	111	321.46		PASS
8DPSK	3-DH5		2.896	107	309.87		PASS

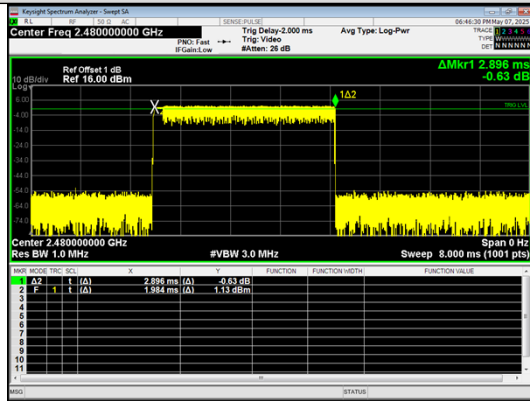
Test Graphs



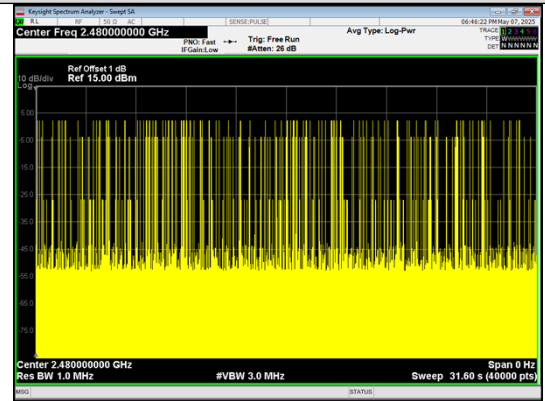
Pulse Width
GFSK_DH5



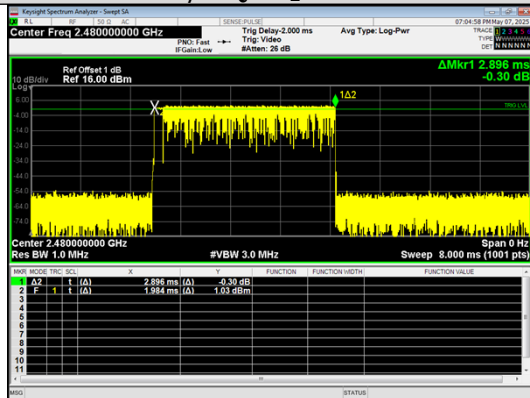
Number of Pulses in 31.6 seconds
GFSK_DH5



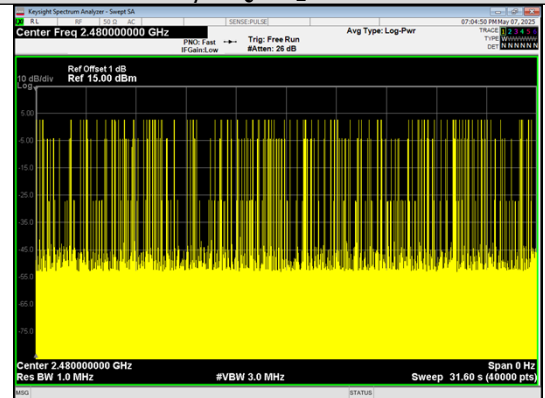
Pulse Width
 $\pi/4$ DQPSK_2-DH5



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

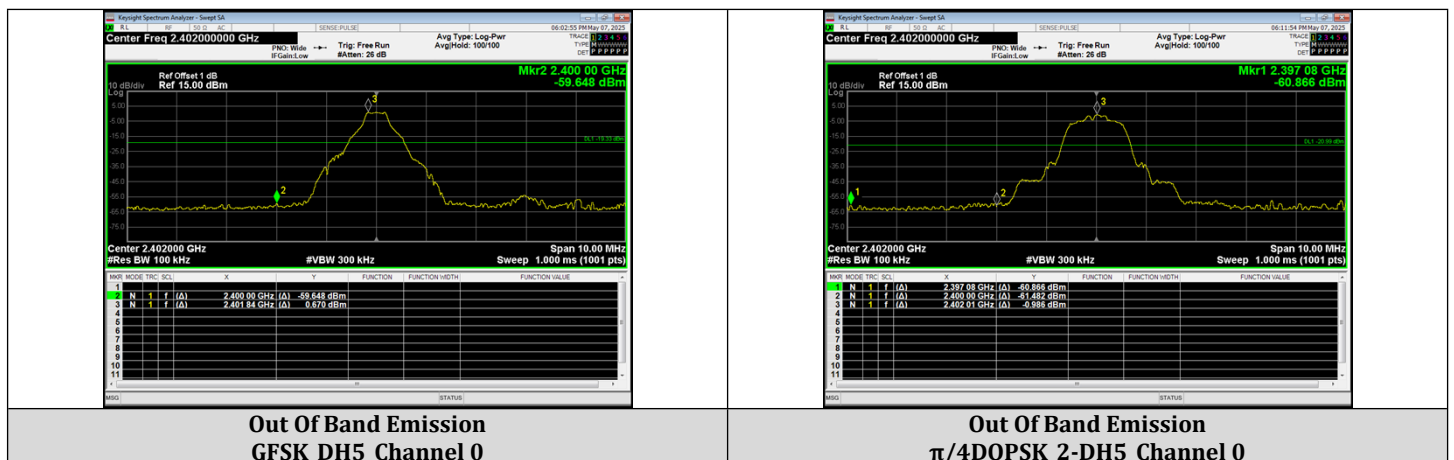
Non-Hopping

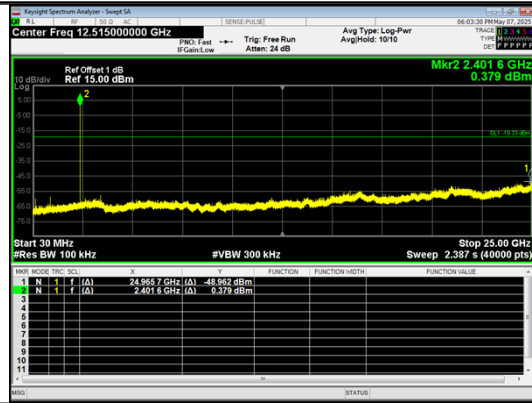
Modulation	Packet	Channel	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result
GFSK	DH5	0	2400.00	-59.648	-19.33	-40.318	PASS
			24965.7	-48.962	-19.33	-29.632	PASS
		39	24360.1	-49.343	-19.85	-29.493	PASS
		78	2483.50	-62.312	-17.52	-44.792	PASS
			3450.98	-49.234	-17.52	-31.714	PASS
$\pi/4$ DQPSK	2-DH5	0	2397.08	-60.866	-20.99	-39.876	PASS
			2400.00	-61.482	-20.99	-40.492	PASS
			24323.9	-49.810	-20.99	-28.820	PASS
		39	1754.22	-27.124	-21.71	-5.414	PASS
		78	2483.50	-61.378	-19.28	-42.098	PASS
			24988.8	-49.786	-19.28	-30.506	PASS
8DPSK	3-DH5	0	2400.00	-60.209	-21.48	-38.729	PASS
			24986.9	-48.507	-21.48	-27.027	PASS
		39	1763.59	-41.484	-21.65	-19.834	PASS
		78	2483.50	-61.452	-19.36	-42.092	PASS
			24950.7	-50.381	-19.36	-31.021	PASS

Hopping

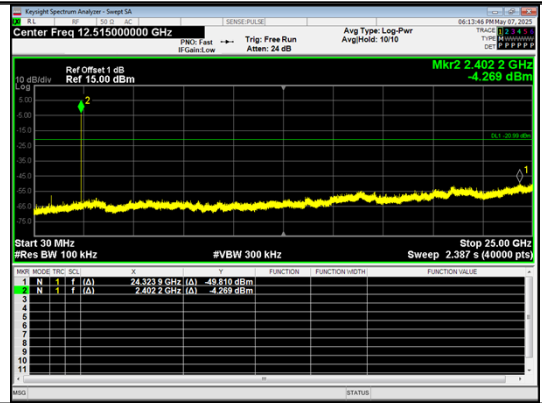
Modulation	Packet	Channel	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result
GFSK	DH5	Hopping	2396.65	-52.575	-19.39	-33.185	PASS
			2400.00	-59.177	-19.39	-39.787	PASS
			2483.50	-62.714	-17.94	-44.774	PASS
π/4DQPSK	2-DH5		2397.05	-60.578	-20.79	-39.788	PASS
			2400.00	-60.813	-20.79	-40.023	PASS
			2483.50	-61.932	-18.84	-43.092	PASS
8DPSK	3-DH5		2400.00	-59.604	-20.74	-38.864	PASS
			2483.50	-62.248	-18.77	-43.478	PASS

Test Graphs

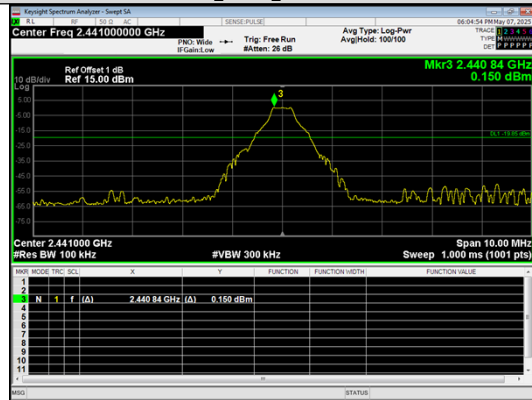




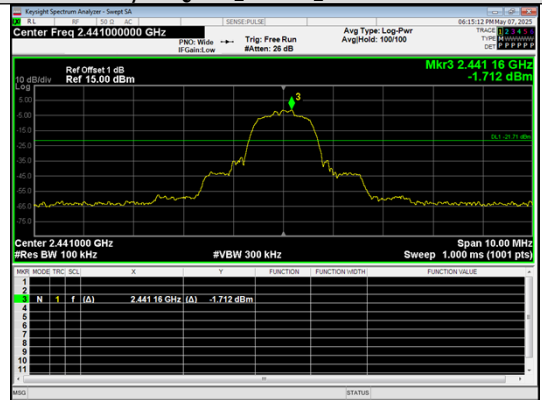
30.0 MHz - 25000.0 MHz
GFSK_DH5_Channel 0



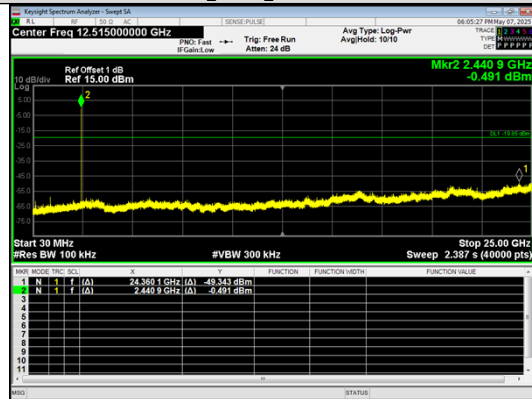
30.0 MHz - 25000.0 MHz
 $\pi/4$ DQPSK_2-DH5_Channel 0



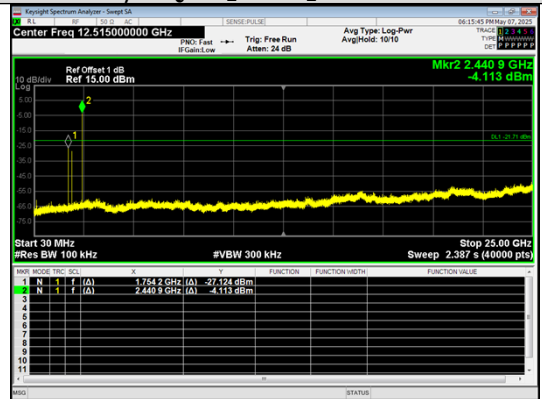
Out Of Band Emission
GFSK_DH5_Channel 39



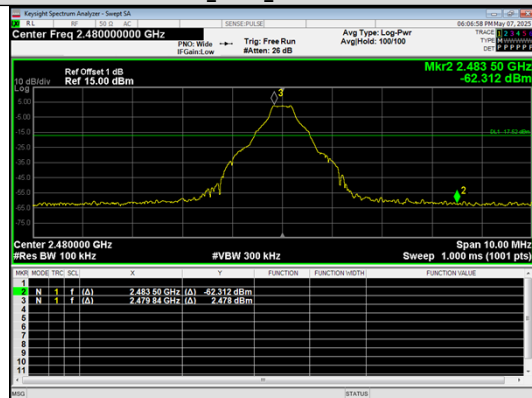
Out Of Band Emission
 $\pi/4$ DQPSK_2-DH5_Channel 39



30.0 MHz - 25000.0 MHz
GFSK_DH5_Channel 39



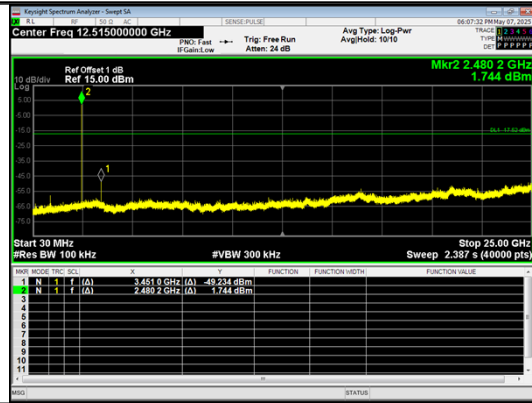
30.0 MHz - 25000.0 MHz
 $\pi/4$ DQPSK_2-DH5_Channel 39



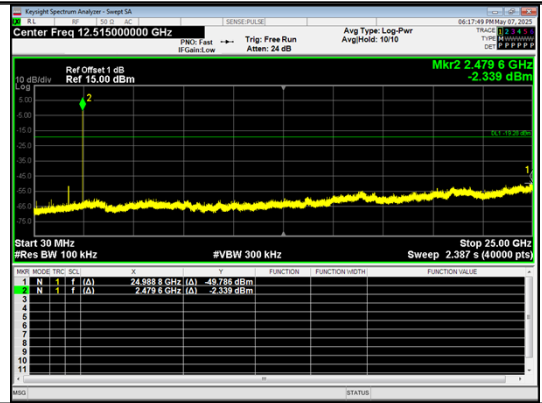
Out Of Band Emission
GFSK_DH5_Channel 78



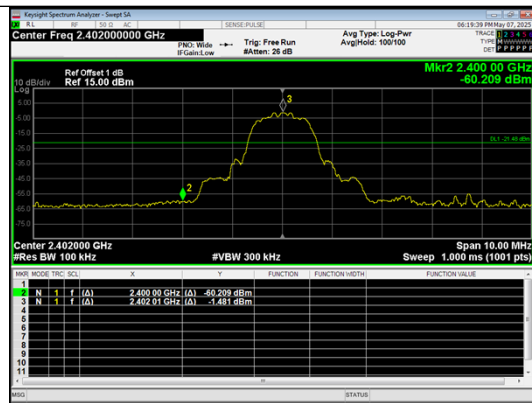
Out Of Band Emission
 $\pi/4$ DQPSK_2-DH5_Channel 78



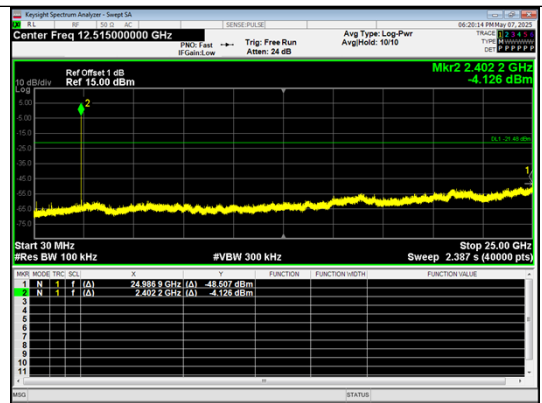
30.0 MHz - 25000.0 MHz
GFSK_DH5_Channel 78



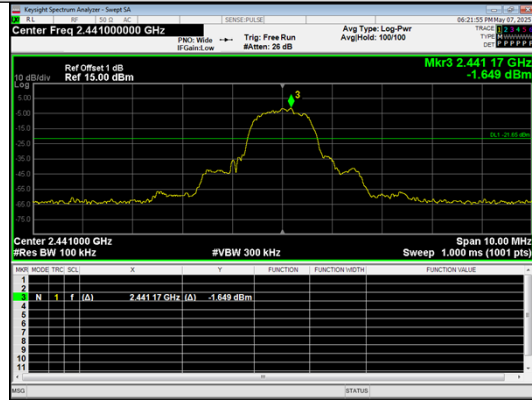
30.0 MHz - 25000.0 MHz
 $\pi/4$ DQPSK_2-DH5_Channel 78



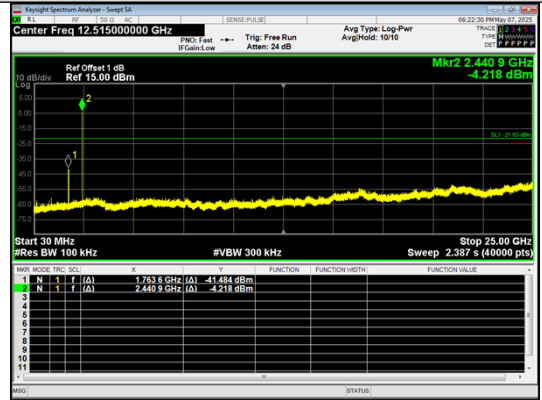
Out Of Band Emission
8DPSK_3-DH5_Channel 0



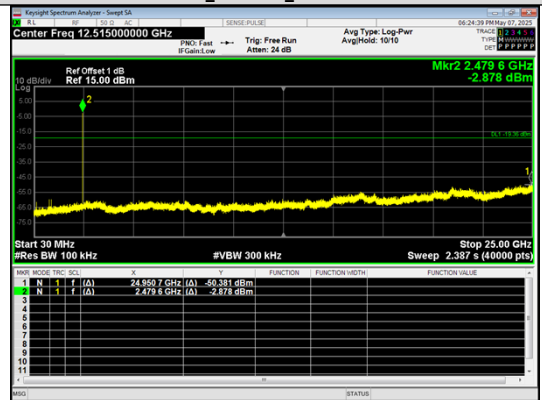
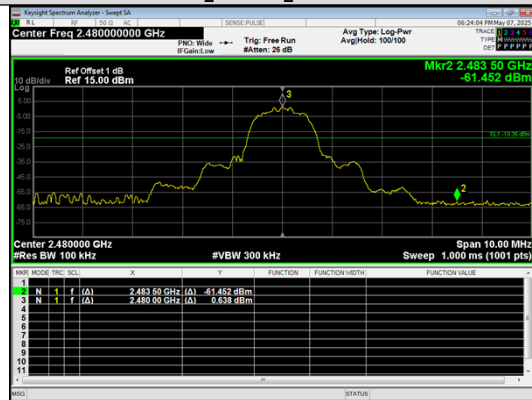
30.0 MHz - 25000.0 MHz
8DPSK_3-DH5_Channel 0



Out Of Band Emission
8DPSK_3-DH5_Channel 39

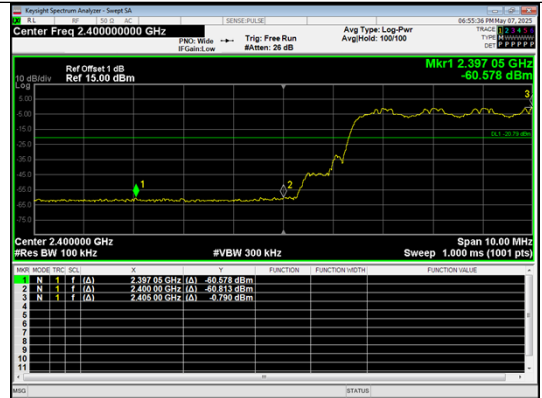
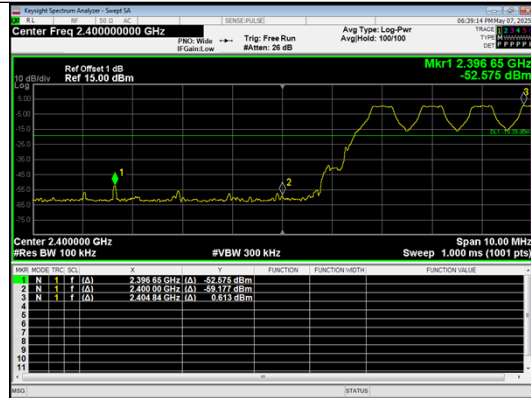


30.0 MHz - 25000.0 MHz
8DPSK_3-DH5_Channel 39



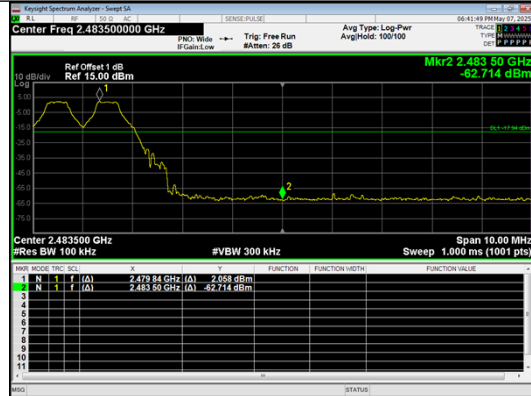
Out Of Band Emission 8DPSK_3-DH5_Channel 78

30.0 MHz - 25000.0 MHz 8DPSK_3-DH5_Channel 78



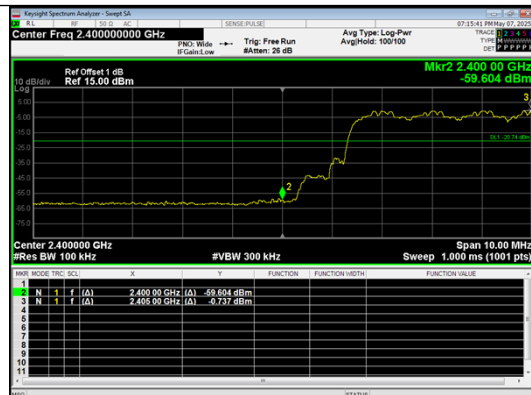
Out Of Band Emission(Left) GFSK_DH5_Channel Hopping

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 *****