



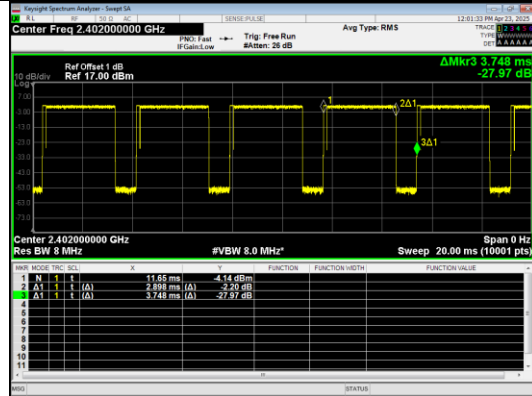
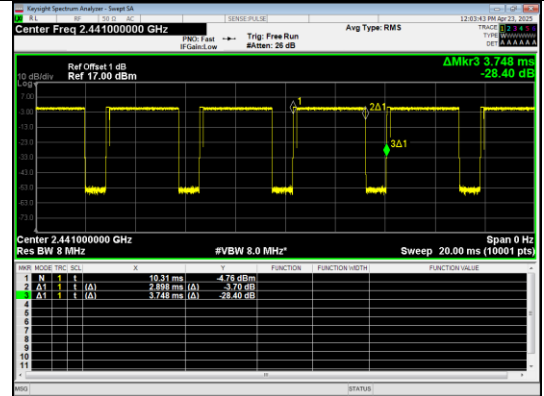
Duty Cycle

Test Result

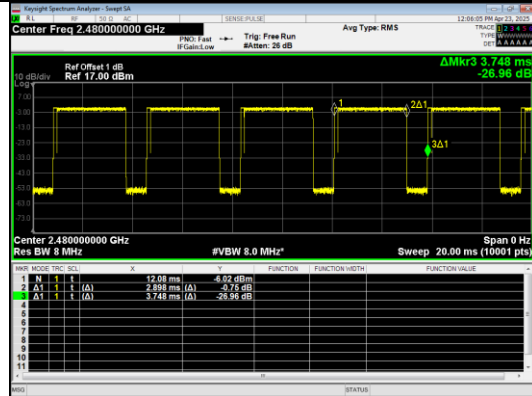
Modulation	Packets	Channel	On Time (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle (linear)	Duty Cycle Factor (dB)	1/T
GFSK	DH5	0	2.908	3.748	77.59	0.7759	1.1019	0.3439
		39	2.910	3.748	77.64	0.7764	1.0991	0.3436
		78	2.908	3.748	77.59	0.7759	1.1019	0.3439
$\pi/4$ DQPSK	2-DH5	0	2.898	3.748	77.32	0.7732	1.1171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

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

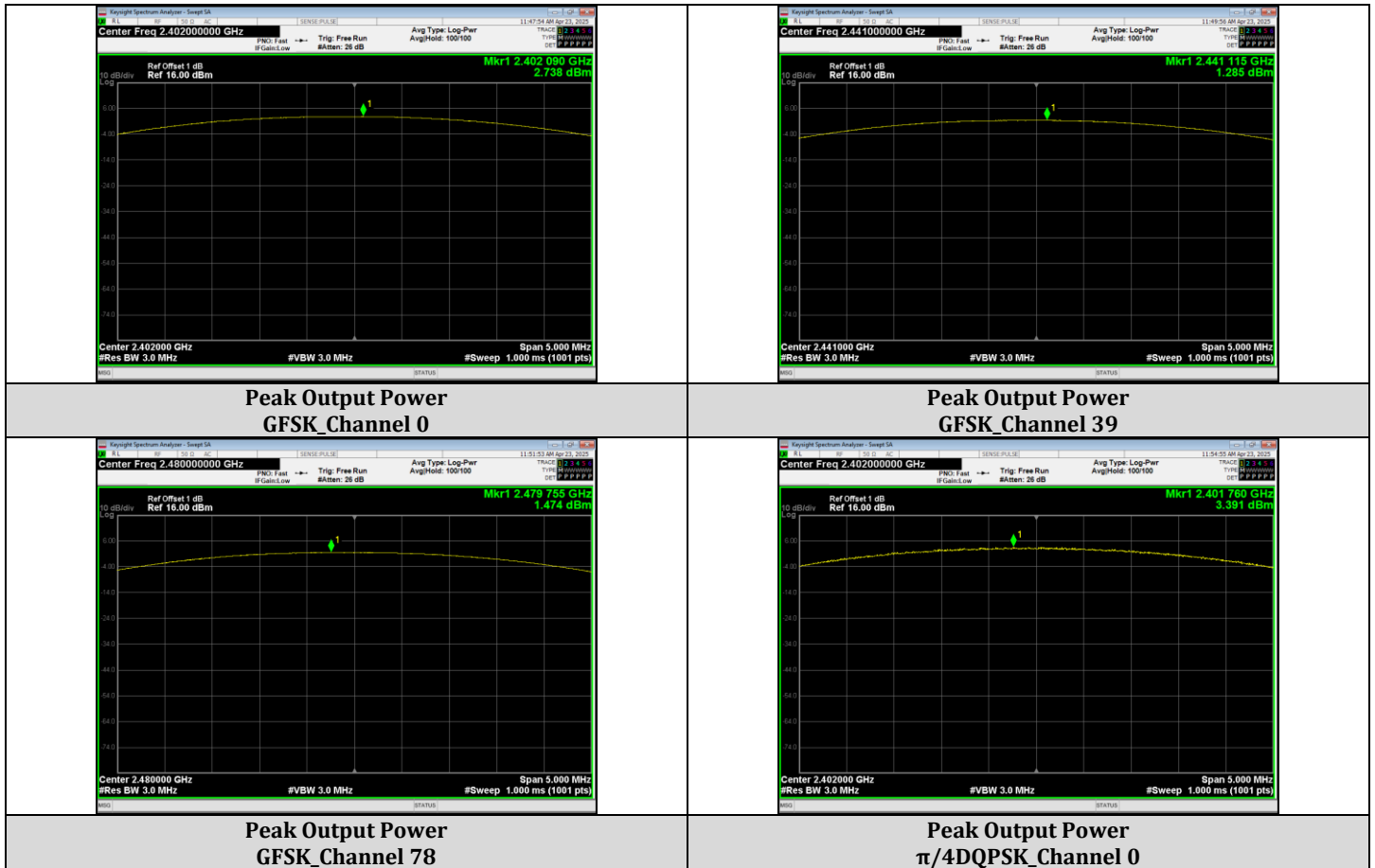


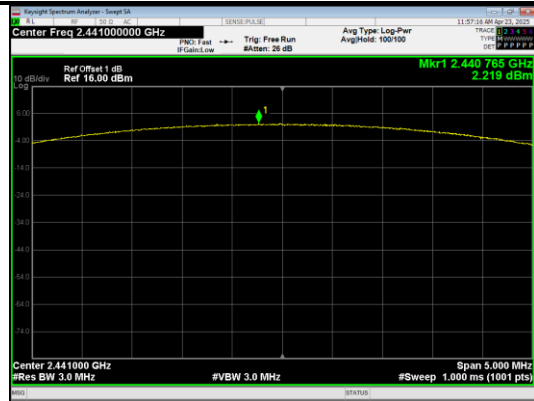
Conducted Output Power

Test Result

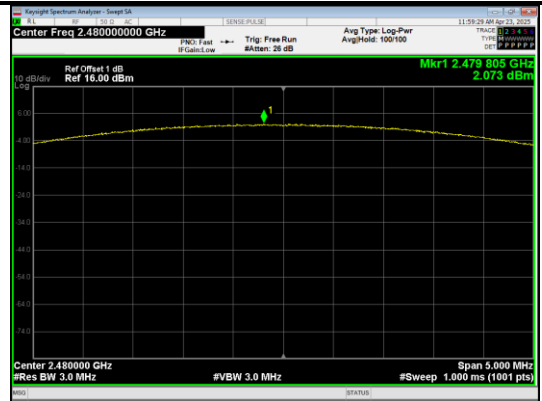
Modulation	Packet Type	Channel	Peak Output Power (dBm)	Peak Output Power (mW)	Limit (dBm)	Result
GFSK	DH5	0	2.74	1.88	≤30	PASS
		39	1.28	1.34		PASS
		78	1.47	1.40		PASS
$\pi/4$ DQPSK	2-DH5	0	3.39	2.18	≤20.97	PASS
		39	2.22	1.67		PASS
		78	2.07	1.61		PASS
8DPSK	3-DH5	0	3.66	2.32		PASS
		39	2.47	1.76		PASS
		78	2.36	1.72		PASS

Test Graphs

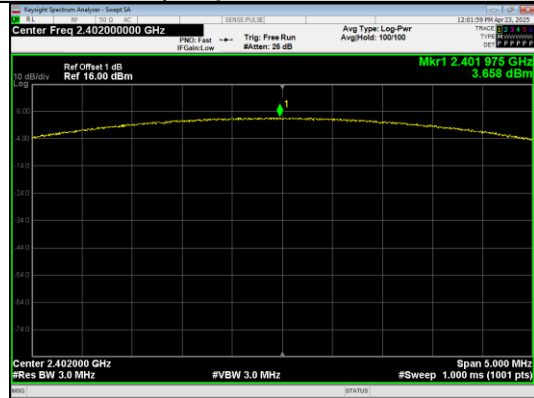




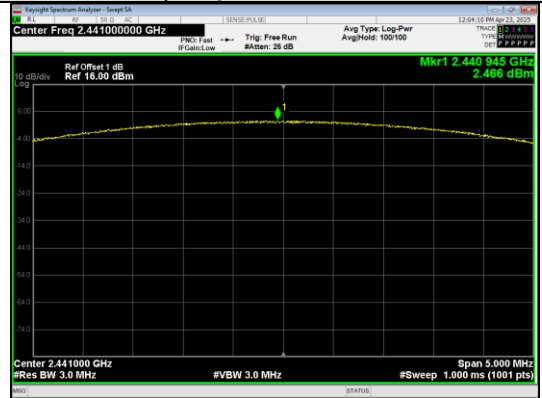
Peak Output Power
 $\pi/4$ DQPSK_Channel 39



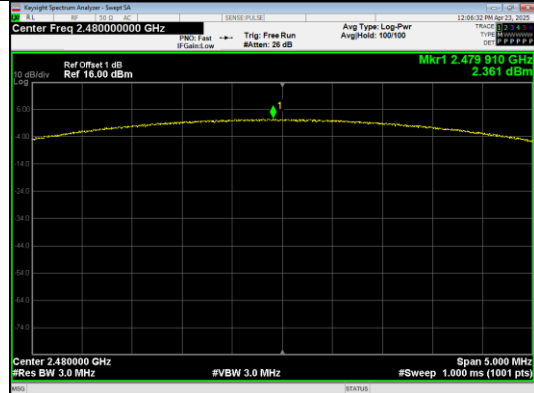
Peak Output Power
 $\pi/4$ DQPSK_Channel 78



Peak Output Power
8DPSK_Channel 0



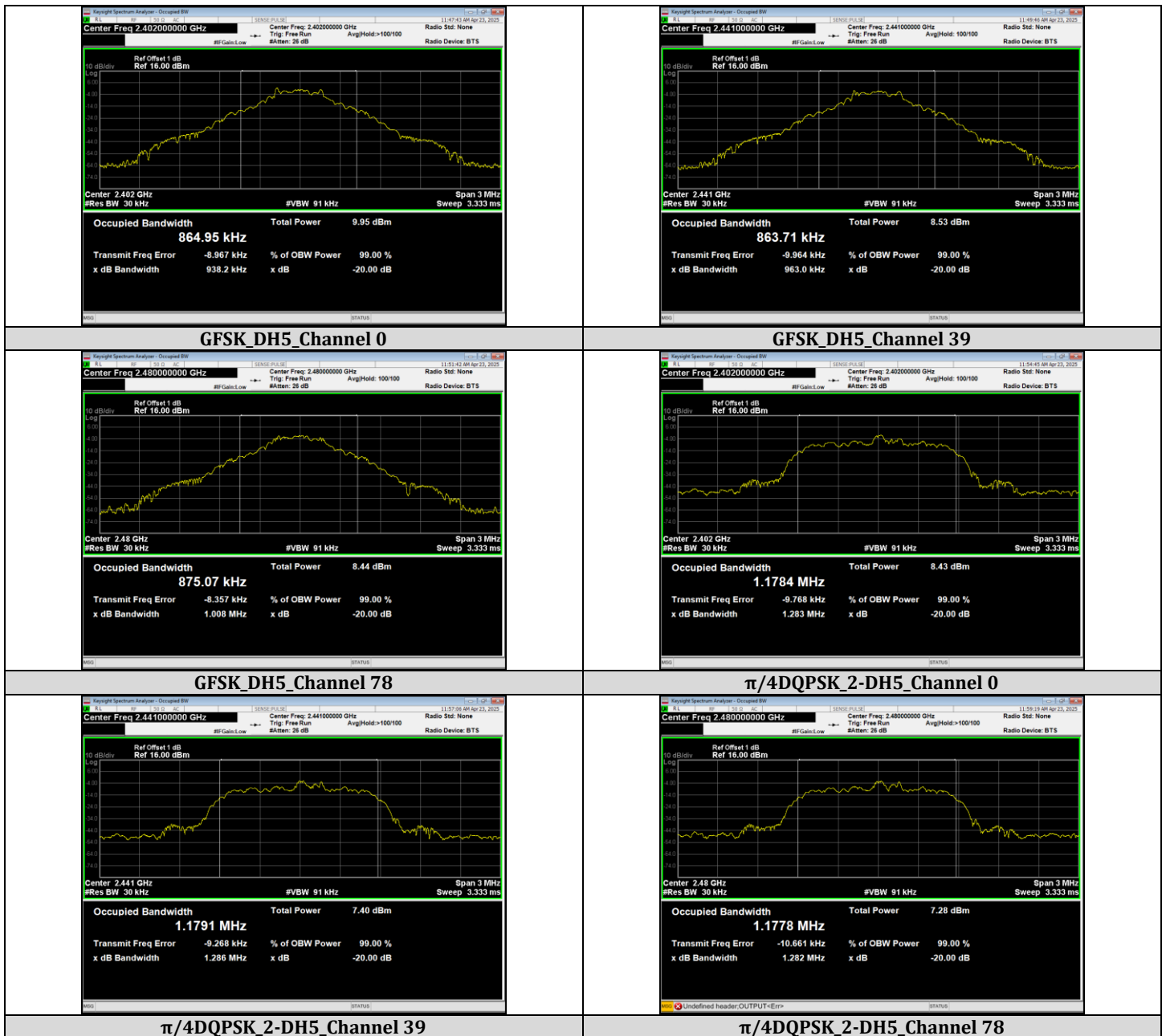
Peak Output Power
8DPSK_Channel 39

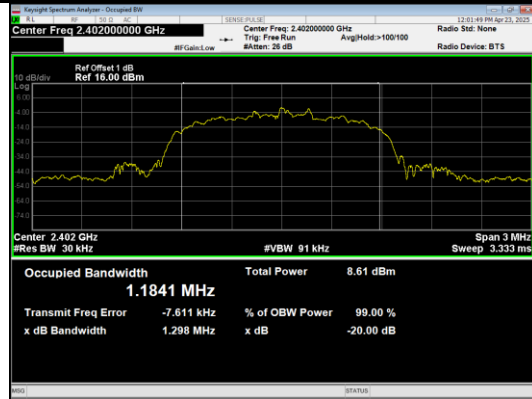


Peak Output Power
8DPSK_Channel 78

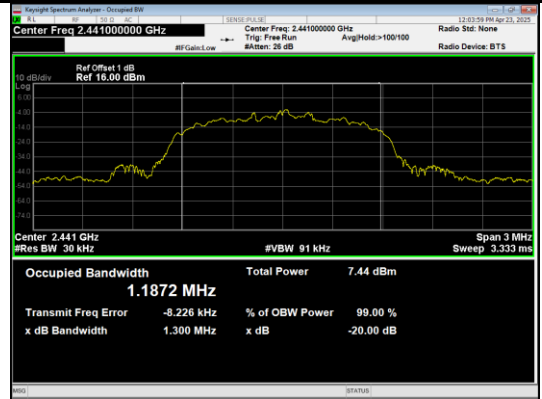
**20dB Bandwidth****Test Result**

Modulation	Channel	Center Frequency (MHz)	20 dB Bandwidth (MHz)
GFSK	0	2402 MHz	0.9382
	39	2441 MHz	0.9630
	78	2480 MHz	1.008
$\pi/4$ DQPSK	0	2402 MHz	1.283
	39	2441 MHz	1.286
	78	2480 MHz	1.282
8DPSK	0	2402 MHz	1.298
	39	2441 MHz	1.300
	78	2480 MHz	1.298

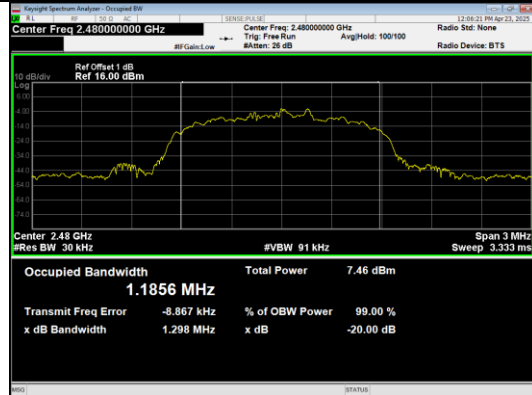
Test Graphs



8DPSK_3-DH5_Channel 0



8DPSK_3-DH5_Channel 39



8DPSK_3-DH5_Channel 78

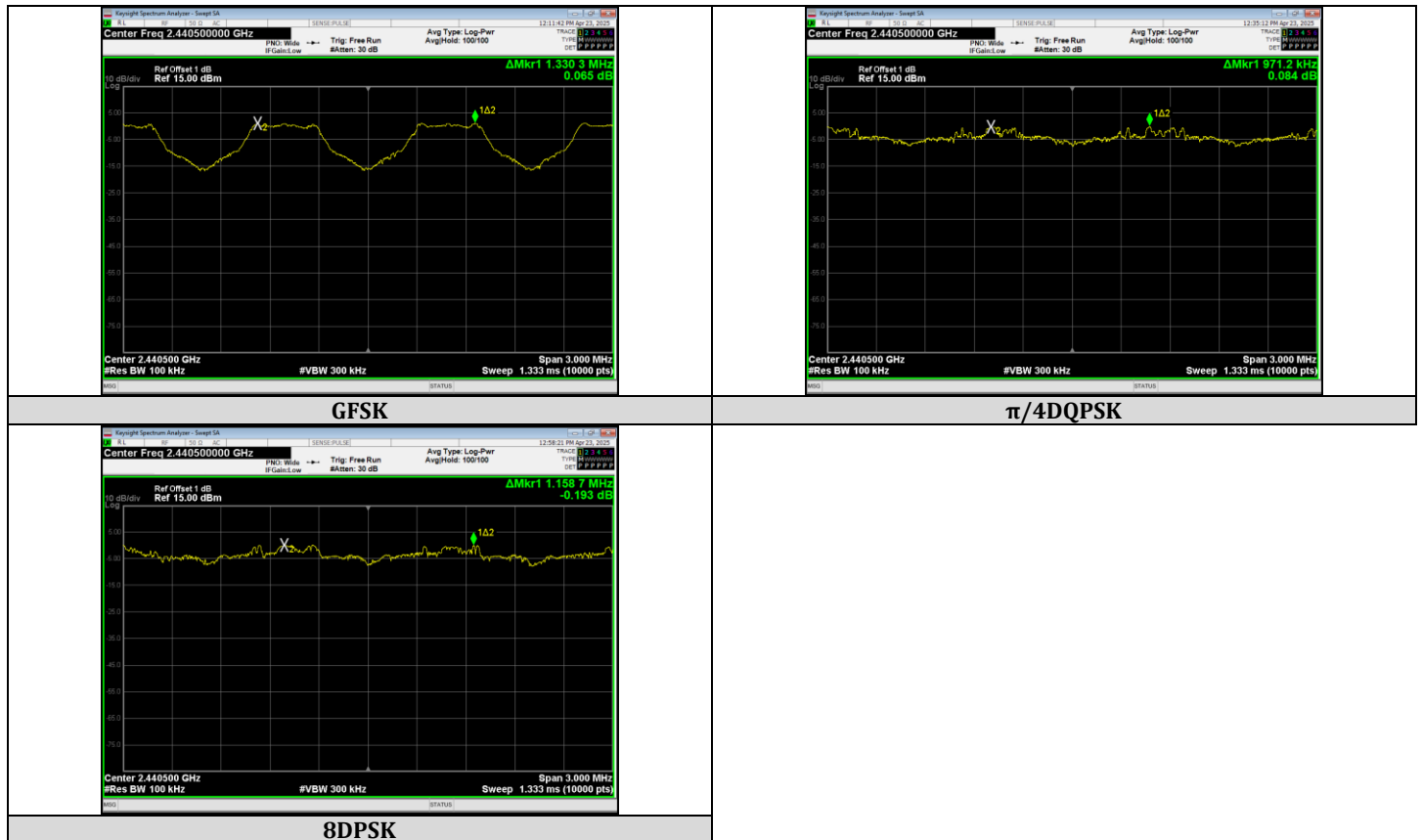


Carrier Frequencies Separation

Test Result

Modulation	Packet	Left Center frequency (MHz)	Right Center frequency (MHz)	Hopping Frequency Separation (MHz)	Limit (MHz)	Result
GFSK	DH5	2439.823	2441.1533	1.3303	0.672	PASS
$\pi/4$ DQPSK	2-DH5	2440.003	2440.9742	0.9712	0.857	PASS
8DPSK	3-DH5	2439.9871	2441.1458	1.1587	0.867	PASS

Test Graphs



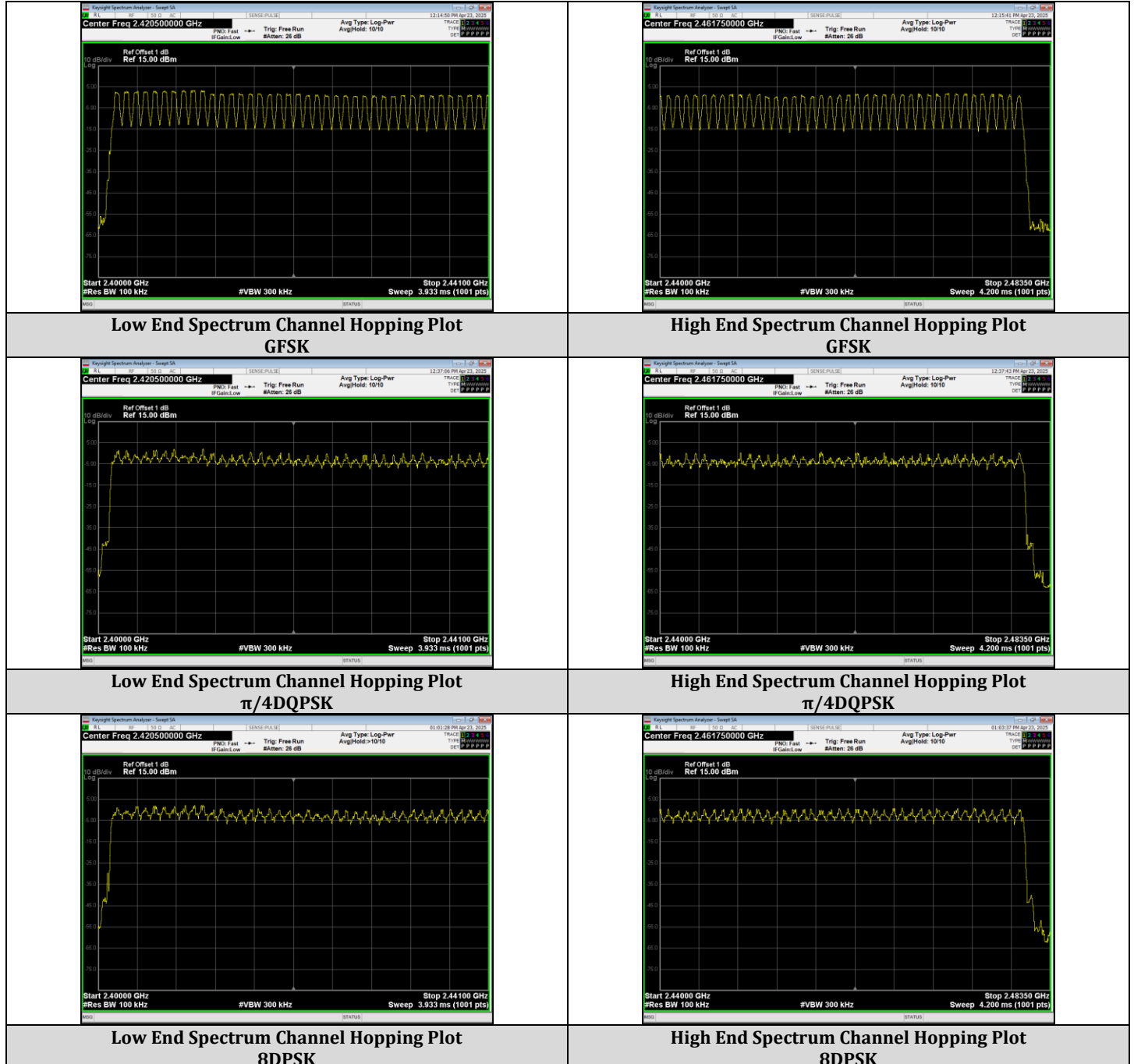


Number Of Hopping Channel

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



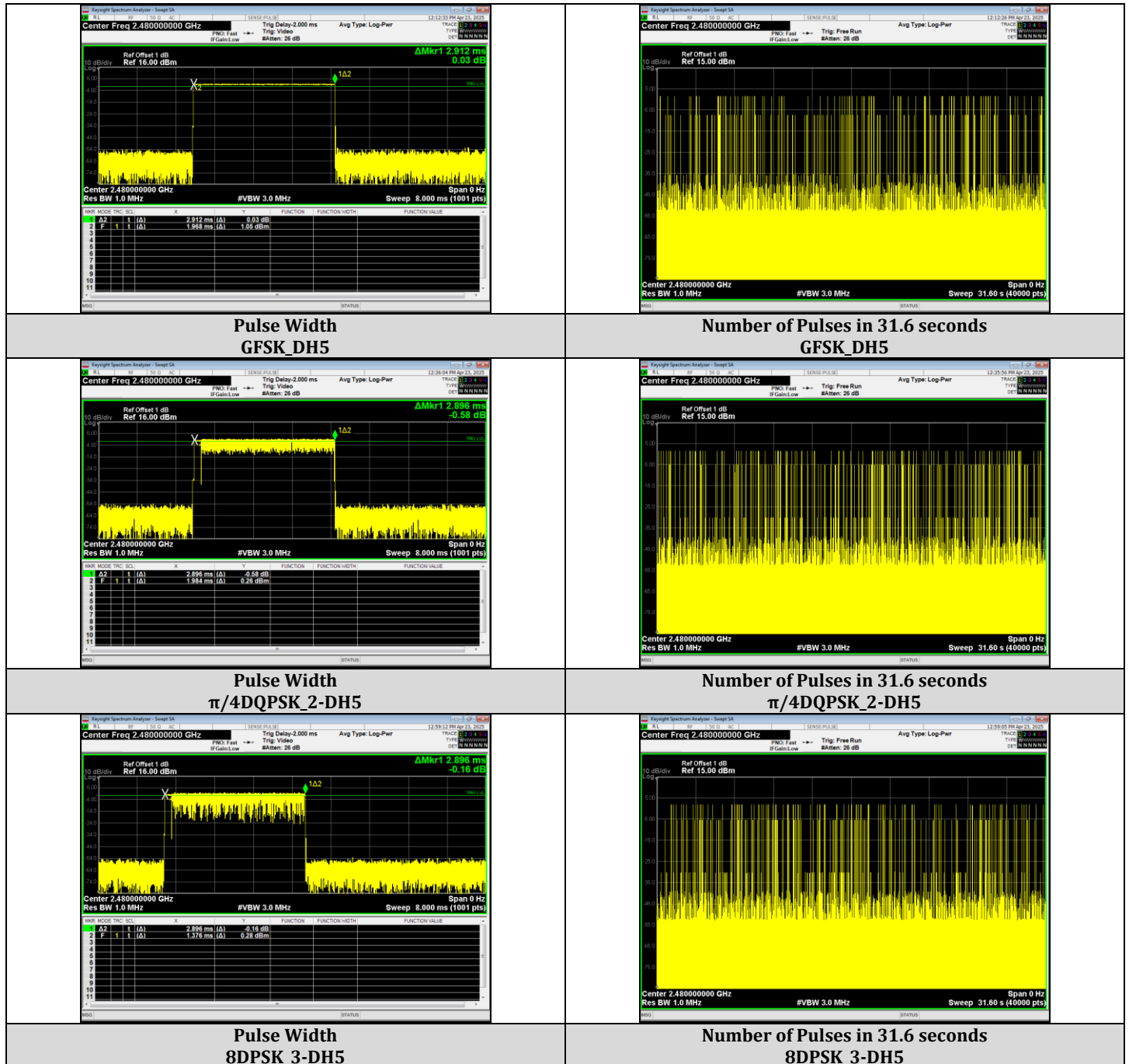


Dwell Time

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	100	291.2	< 400	PASS
$\pi/4$ DQPSK	2-DH5		2.896	108	312.77		PASS
8DPSK	3-DH5		2.896	101	292.5		PASS

Test Graphs

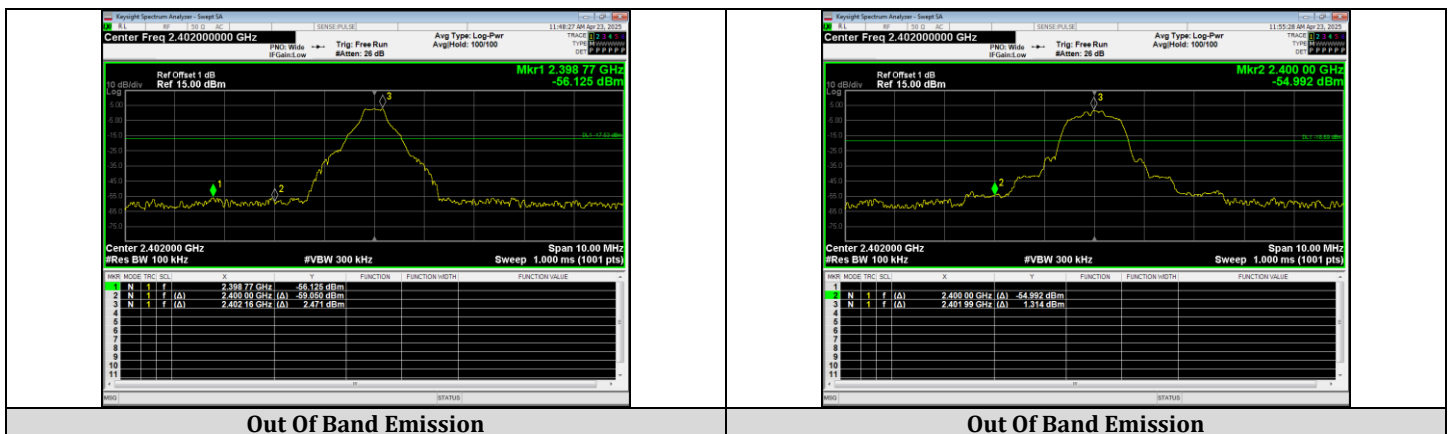


**Conducted Out Of Band Emission****Test Result****Non-Hopping**

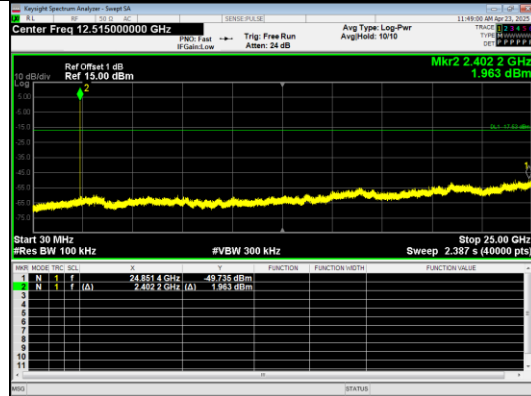
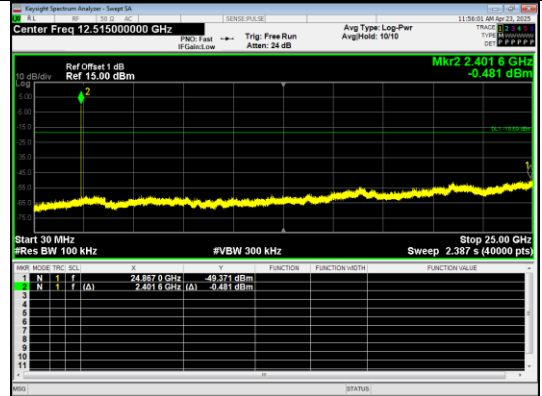
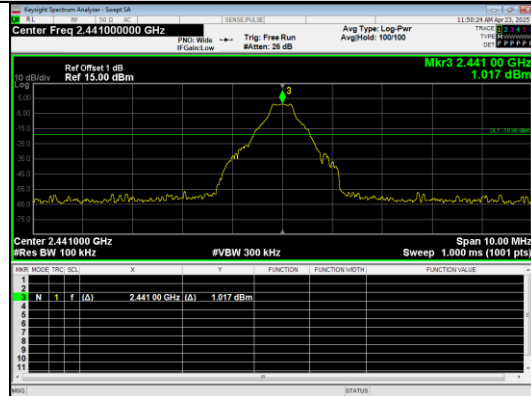
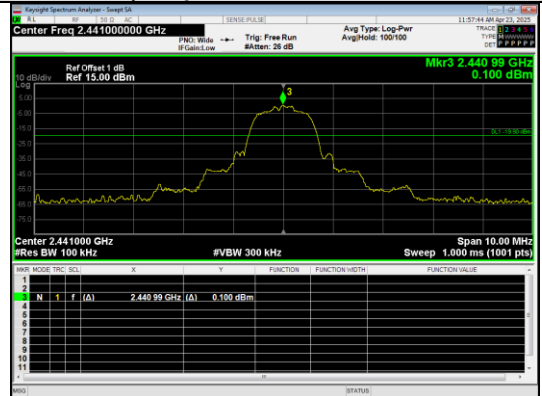
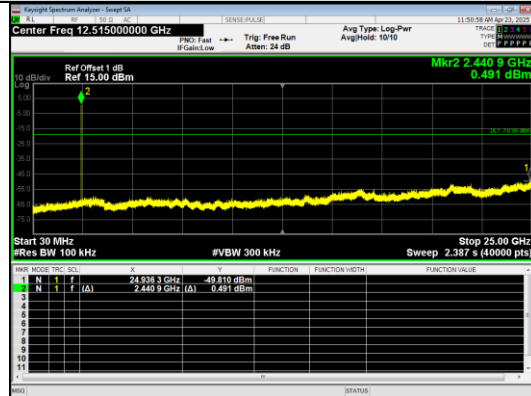
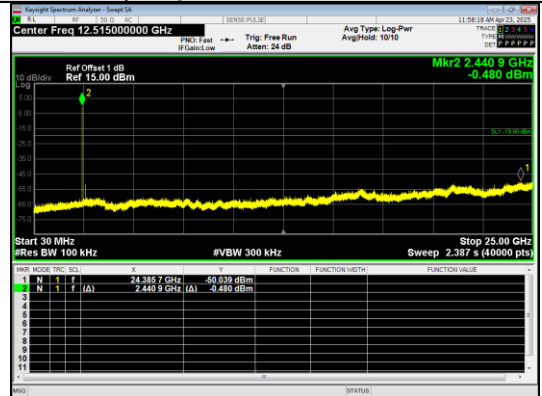
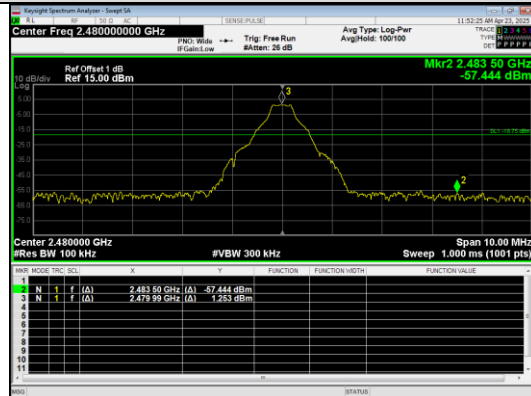
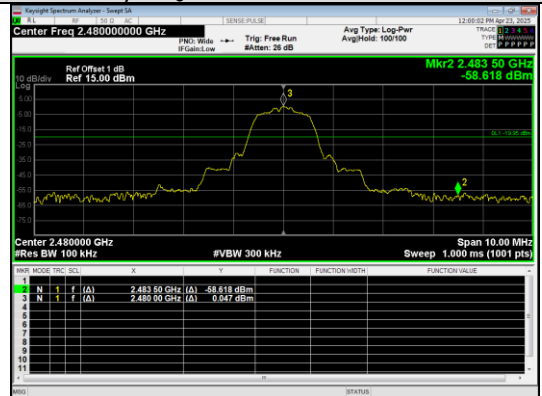
Modulation	Packet	Channel	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result
GFSK	DH5	0	2398.77	-56.125	-17.53	-38.595	PASS
			2400.00	-59.050	-17.53	-41.520	PASS
			24851.4	-49.735	-17.53	-32.205	PASS
		39	24936.3	-49.810	-18.98	-30.830	PASS
		78	2483.50	-57.444	-18.75	-38.694	PASS
			24972.5	-49.805	-18.75	-31.055	PASS
$\pi/4$ DQPSK	2-DH5	0	2400.00	-54.992	-18.69	-36.302	PASS
			24867.0	-49.371	-18.69	-30.681	PASS
		39	24385.7	-50.039	-19.9	-30.139	PASS
		78	2483.50	-58.618	-19.95	-38.668	PASS
			24897.6	-49.883	-19.95	-29.933	PASS
8DPSK	3-DH5	0	2398.82	-49.156	-18.65	-30.506	PASS
			2400.00	-55.306	-18.65	-36.656	PASS
			24403.2	-48.977	-18.65	-30.327	PASS
		39	24734.1	-50.161	-19.99	-30.171	PASS
		78	2483.50	-60.626	-19.86	-40.766	PASS
			24913.8	-49.881	-19.86	-30.021	PASS

Hopping

Modulation	Packet	Channel	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result
GFSK	DH5	Hopping	2398.96	-56.803	-17.36	-39.443	PASS
			2400.00	-57.914	-17.36	-40.554	PASS
			2483.50	-62.246	-18.69	-43.556	PASS
$\pi/4$ DQPSK	2-DH5		2400.00	-54.137	-18.25	-35.887	PASS
			2483.50	-49.284	-19.85	-29.434	PASS
8DPSK	3-DH5		2397.80	-52.213	-18.26	-33.953	PASS
			2400.00	-55.002	-18.26	-36.742	PASS
			2483.50	-54.154	-19.72	-34.434	PASS

Test Graphs**Out Of Band Emission****Out Of Band Emission**

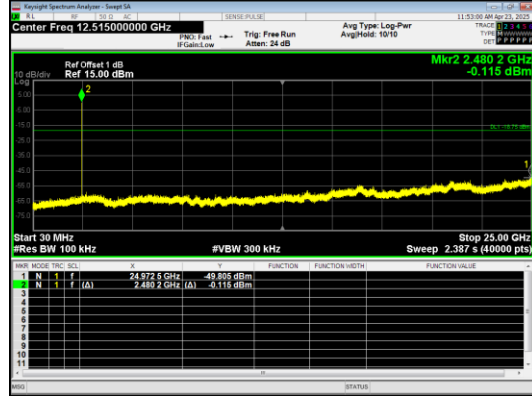
GFSK_DH5_Channel 0


 $\pi/4$ 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

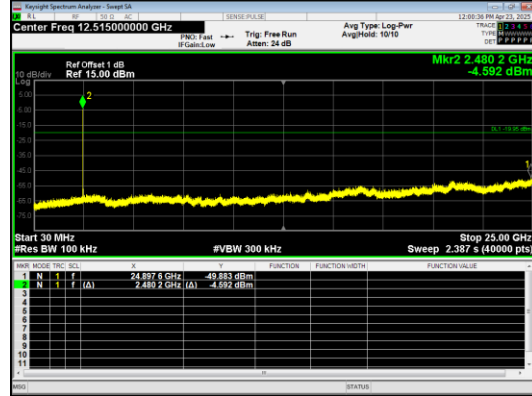
Out Of Band Emission

GFSK_DH5_Channel 78

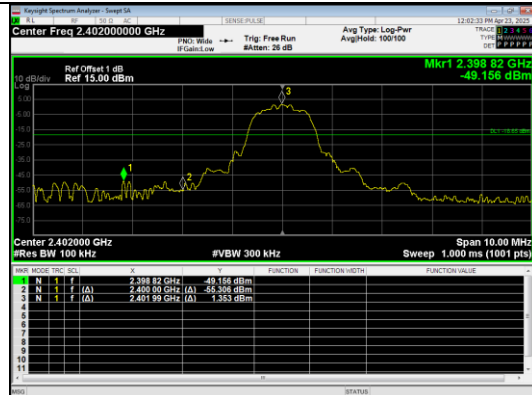


30.0 MHz - 25000.0 MHz
GFSK_DH5_Channel 78

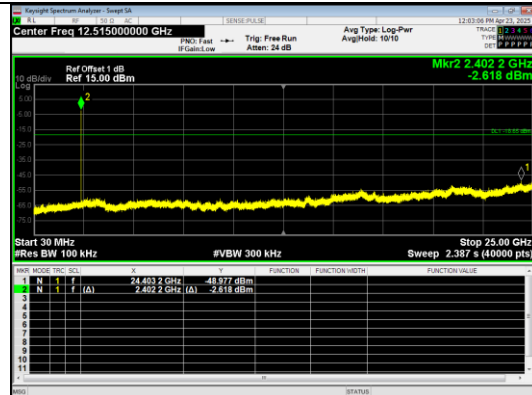
$\pi/4$ DQPSK 2-DH5_Channel 78



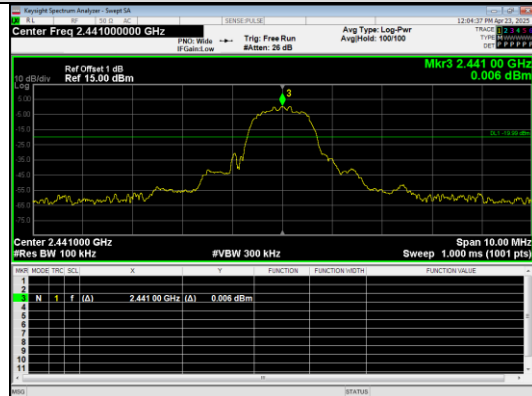
30.0 MHz - 25000.0 MHz
 $\pi/4$ DQPSK 2-DH5_Channel 78



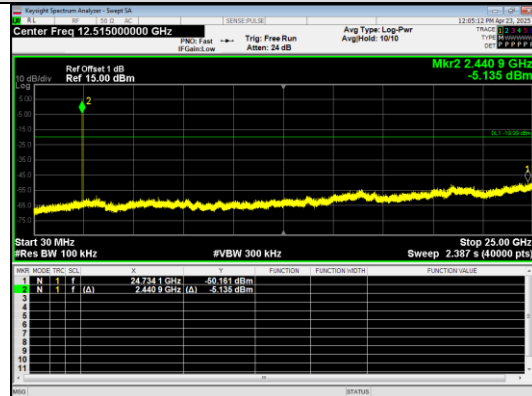
Out Of Band Emission
8DPSK_3-DH5_Channel 0



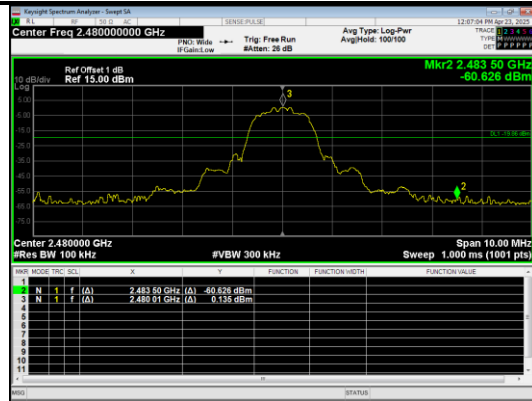
30.0 MHz - 25000.0 MHz
8DPSK_3-DH5_Channel 0



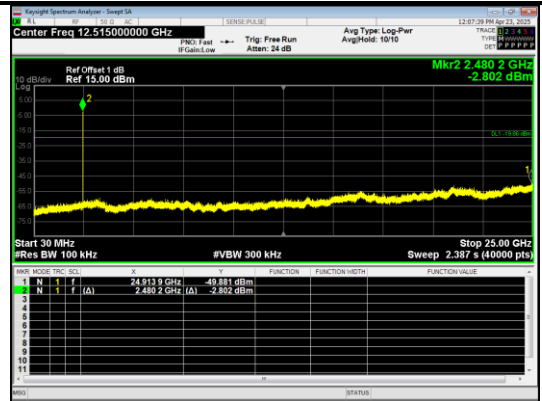
Out Of Band Emission
8DPSK_3-DH5_Channel 39



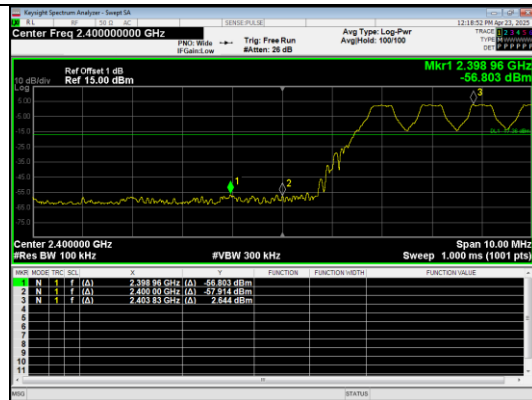
30.0 MHz - 25000.0 MHz
8DPSK_3-DH5_Channel 39



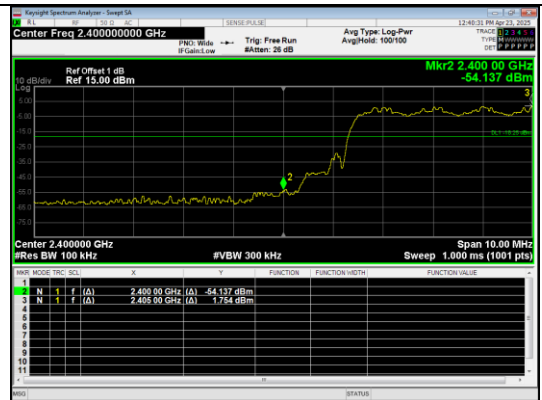
Out Of Band Emission
8DPSK_3-DH5_Channel 78



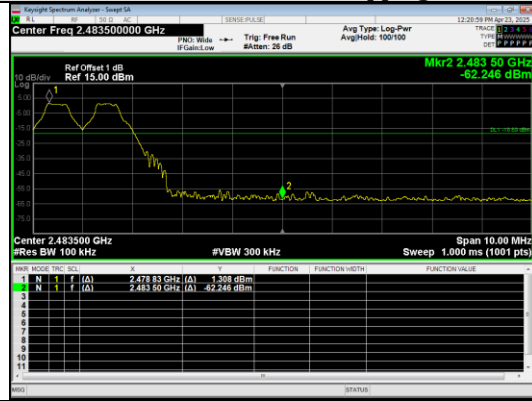
30.0 MHz - 25000.0 MHz
8DPSK_3-DH5_Channel 78



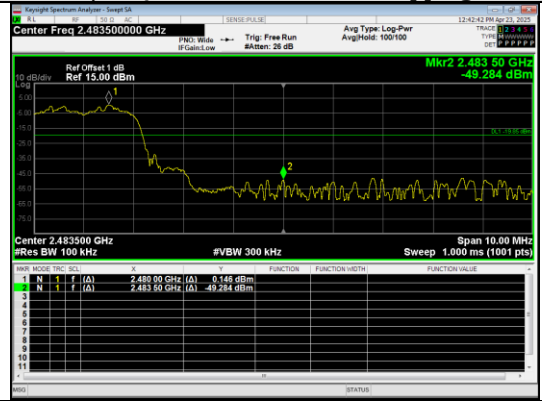
Out Of Band Emission(Left)
GFSK_DH5_Channel Hopping



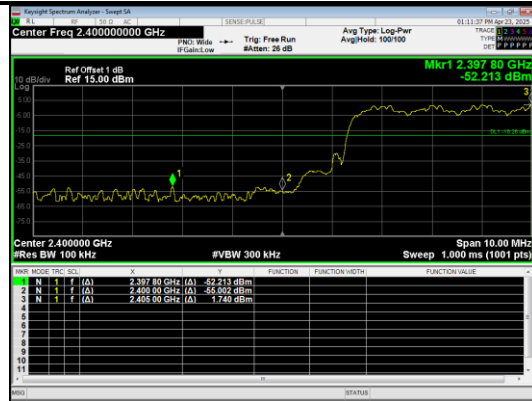
Out Of Band Emission(Left)
 $\pi/4$ DQPSK_2-DH5_Channel Hopping



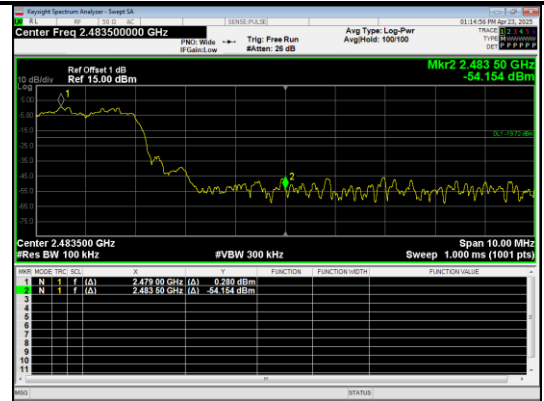
Out Of Band Emission(Right)
GFSK_DH5_Channel Hopping



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 *****