



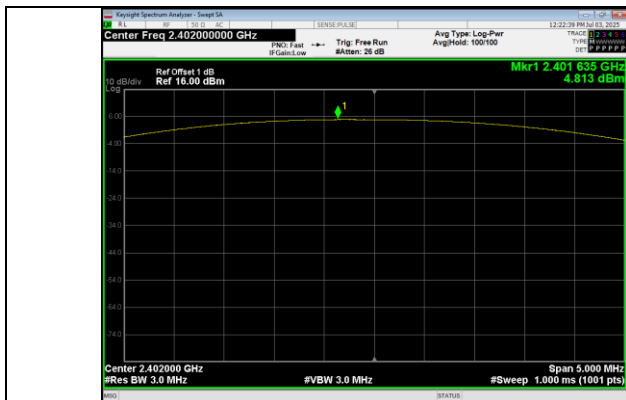
Conducted Output Power

Test Result

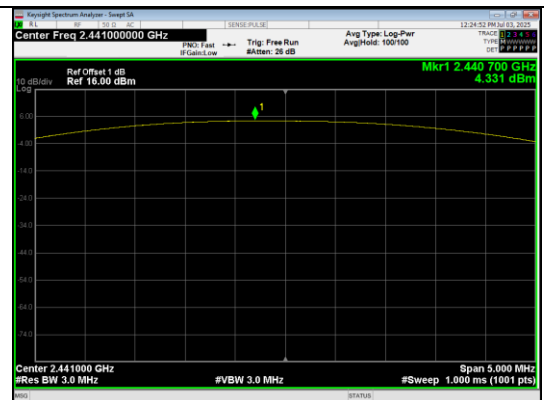
Modulation	Packet Type	Channel	Peak Output Power (dBm)	Peak Output Power (mW)	Max. Avg. Power (dBm)	Limit (dBm)	Result
GFSK	DH5	0	4.81	3.03	4.64	≤30	PASS
		39	4.33	2.71	4.21		PASS
		78	4.83	3.04	4.70		PASS
$\pi/4$ DQPSK	2-DH5	0	5.51	3.56	3.09	≤20.97	PASS
		39	5.17	3.29	2.63		PASS
		78	5.70	3.71	3.07		PASS
8DPSK	3-DH5	0	5.76	3.77	3.02		PASS
		39	5.54	3.58	2.65		PASS
		78	6.00	3.98	3.06		PASS

Modulation	Packet Type	Channel	Peak Output Power (dBm)	Peak Power Limit (dBm)	ISED EIRP (dBm)	ISED EIRP Limit (dBm)	Max. Avg. Power (dBm)	Result
GFSK	DH5	0	4.81	≤30	3.9	≤36.02	4.64	PASS
		39	4.33	≤30	3.42	≤36.02	4.21	PASS
		78	4.83	≤30	3.92	≤36.02	4.70	PASS
$\pi/4$ DQPSK	2-DH5	0	5.51	≤20.97	4.6	≤36.02	3.09	PASS
		39	5.17	≤20.97	4.26	≤36.02	2.63	PASS
		78	5.70	≤20.97	4.79	≤36.02	3.07	PASS
8DPSK	3-DH5	0	5.76	≤20.97	4.85	≤36.02	3.02	PASS
		39	5.54	≤20.97	4.63	≤36.02	2.65	PASS
		78	6.00	≤20.97	5.09	≤36.02	3.06	PASS

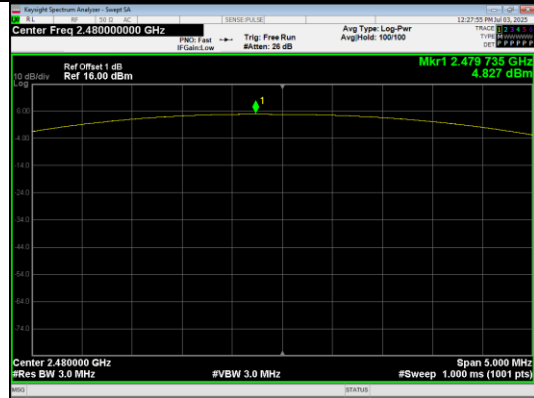
Test Graphs



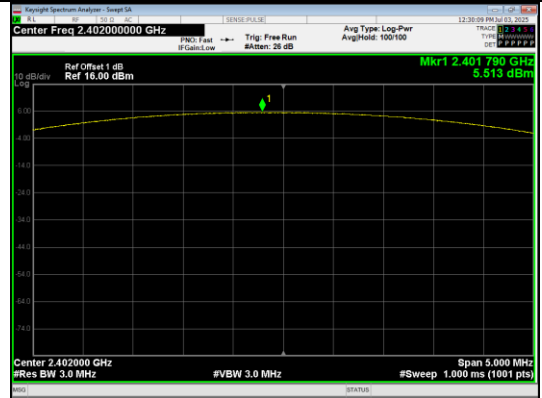
Peak Output Power
GFSK_Channel 0



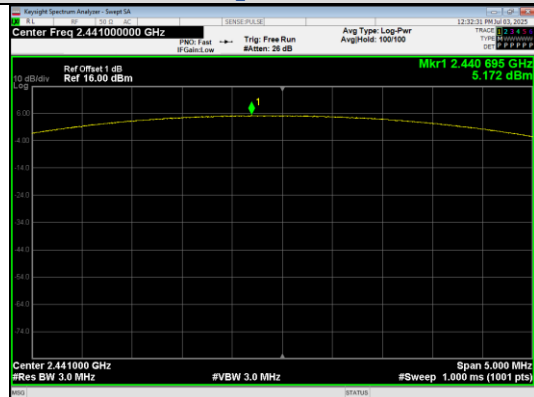
Peak Output Power
GFSK_Channel 39



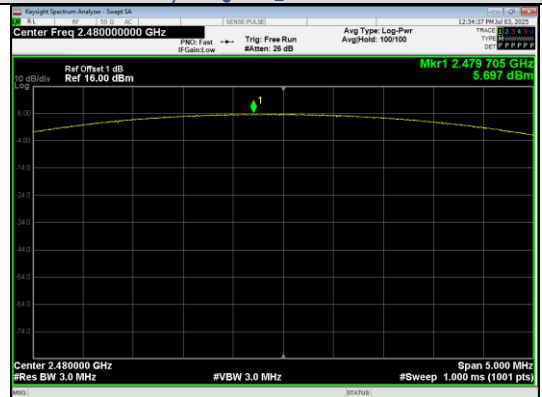
Peak Output Power
GFSK_Channel 78



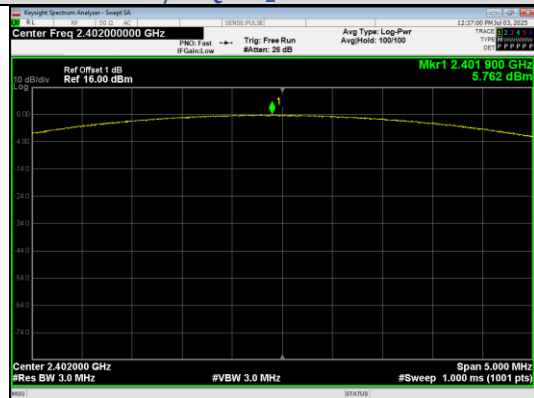
Peak Output Power
 $\pi/4$ DQPSK_Channel 0



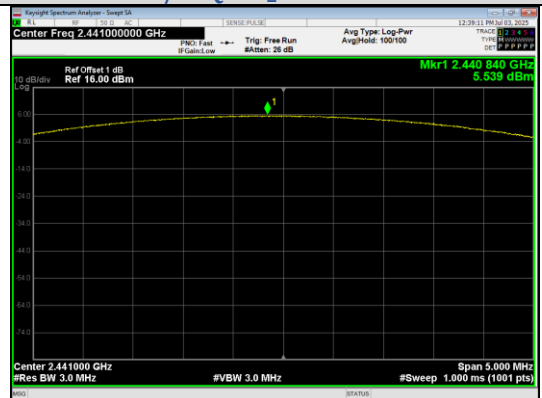
Peak Output Power
 $\pi/4$ DQPSK_Channel 39



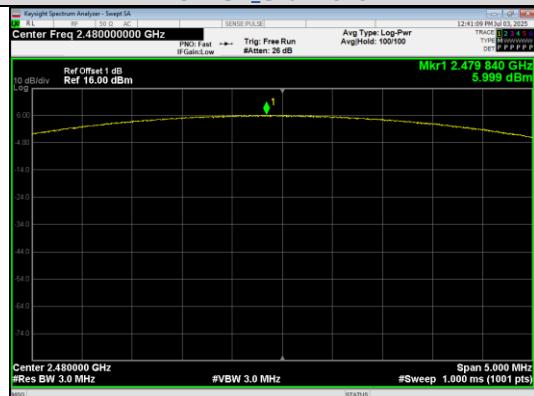
Peak Output Power
 $\pi/4$ DQPSK_Channel 78



Peak Output Power
8DPSK_Channel 0

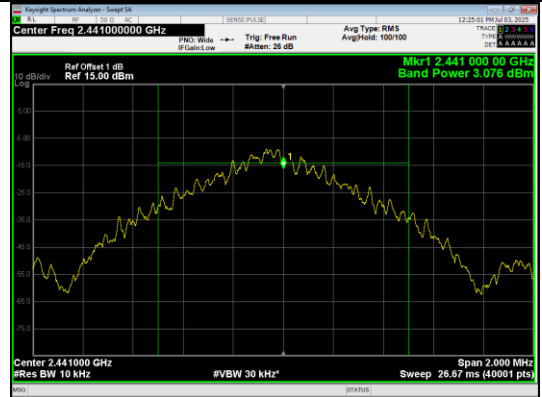
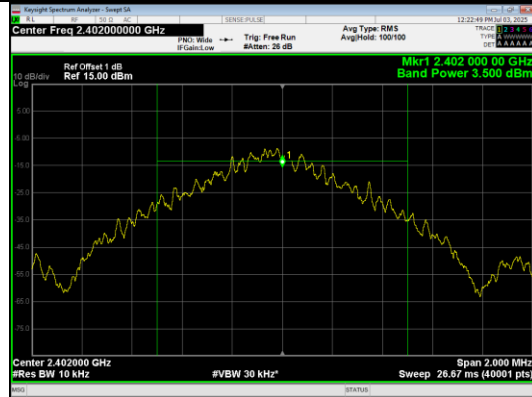


Peak Output Power
8DPSK_Channel 39

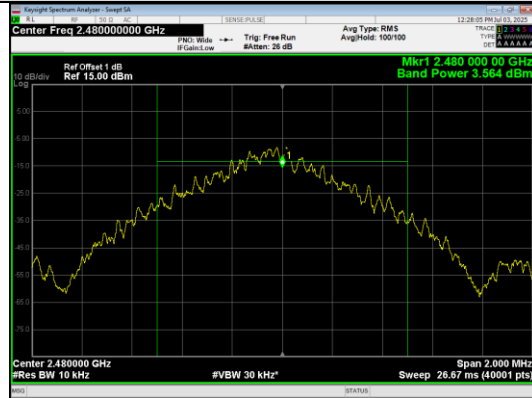


Peak Output Power

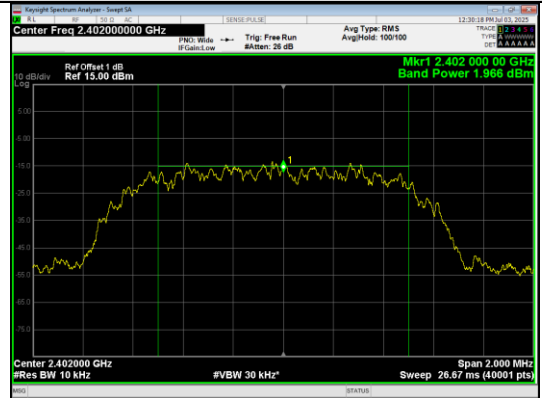
8DPSK_Channel 78



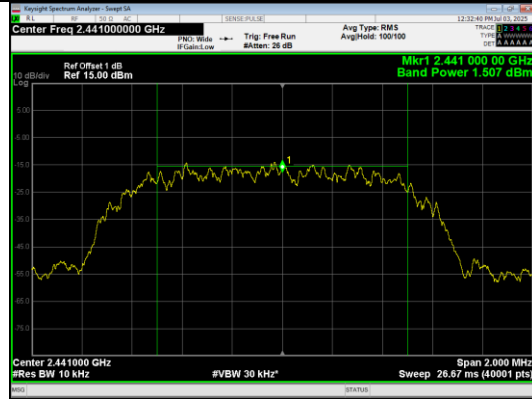
Average Output Power GFSK_Channel 0



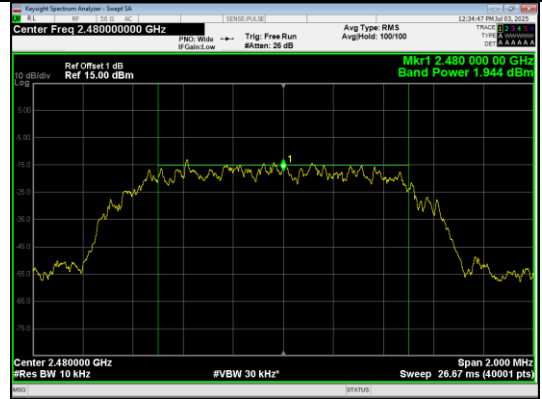
Average Output Power GFSK_Channel 39



Average Output Power GFSK_Channel 78

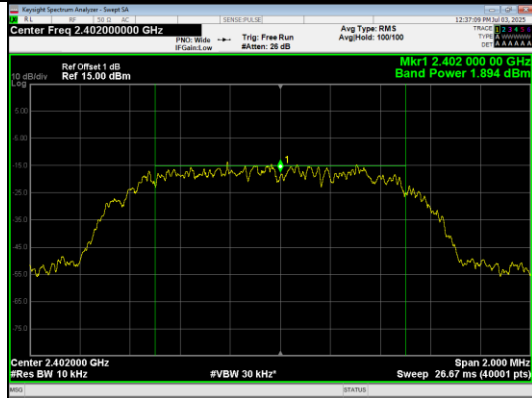


Average Output Power $\pi/4$ DQPSK_Channel 0

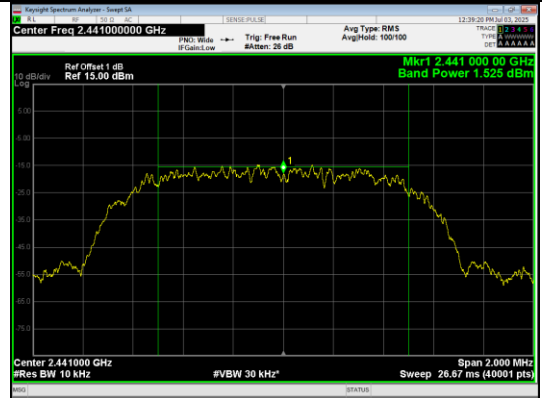


Average Output Power $\pi/4$ DQPSK_Channel 39

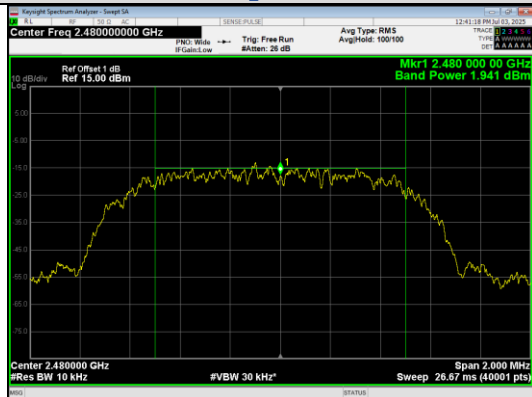
Average Output Power $\pi/4$ DQPSK_Channel 78



Average Output Power
8DPSK_Channel 0



Average Output Power
8DPSK_Channel 39



Average Output Power
8DPSK_Channel 78

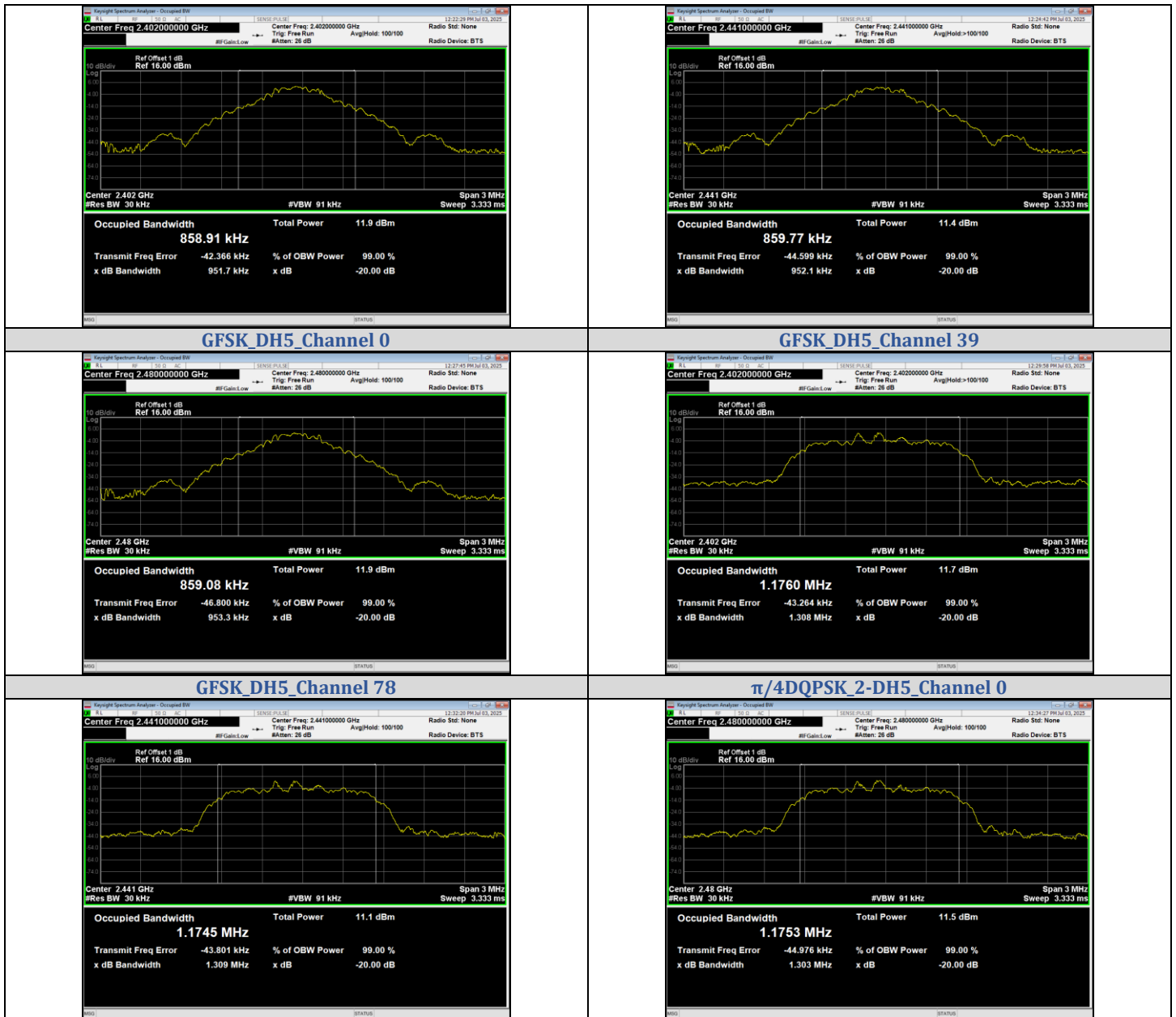


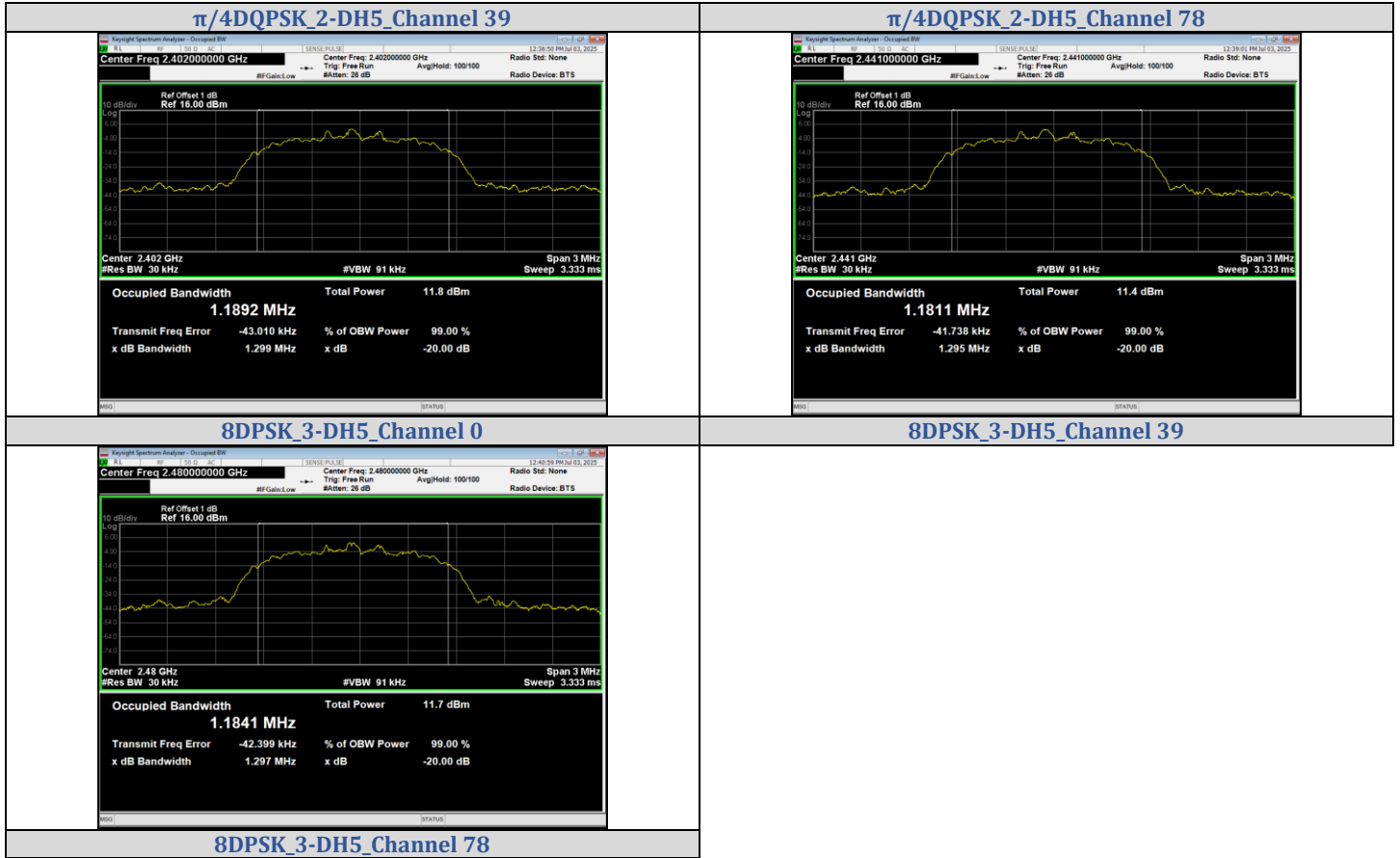
20dB Bandwidth

Test Result

Modulation	Channel	Center Frequency (MHz)	20 dB Bandwidth (MHz)
GFSK	0	2402 MHz	0.9517
	39	2441 MHz	0.9521
	78	2480 MHz	0.9533
$\pi/4$ DQPSK	0	2402 MHz	1.308
	39	2441 MHz	1.309
	78	2480 MHz	1.303
8DPSK	0	2402 MHz	1.299
	39	2441 MHz	1.295
	78	2480 MHz	1.297

Test Graphs





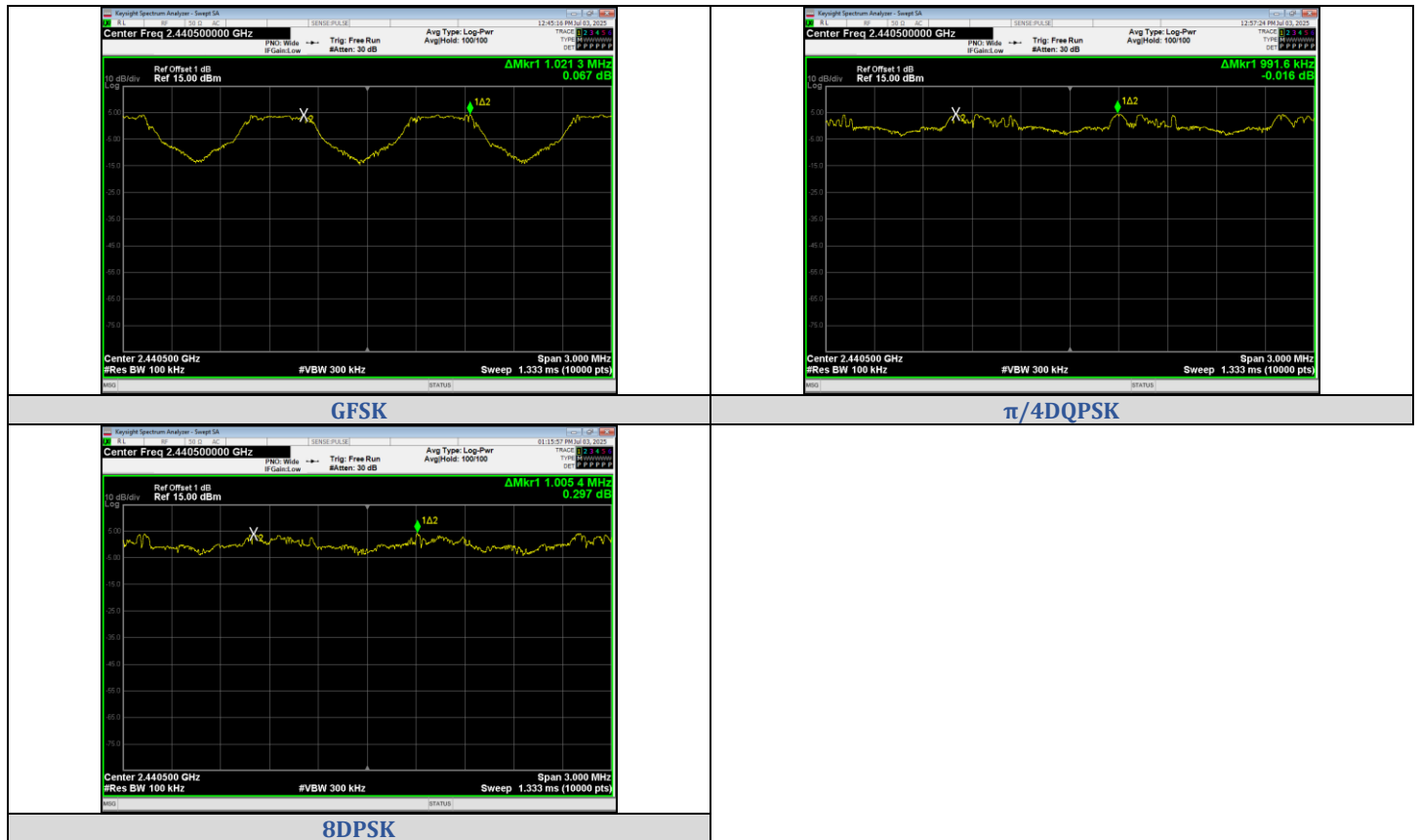
8DPSK_3-DH5_Channel 78

Carrier Frequencies Separation

Test Result

Modulation	Packet	Left Center frequency (MHz)	Right Center frequency (MHz)	Hopping Frequency Separation (MHz)	Limit (MHz)	Result
GFSK	DH5	2440.1092	2441.1305	1.0213	0.636	PASS
$\pi/4$ DQPSK	2-DH5	2439.7999	2440.7915	0.9916	0.873	PASS
8DPSK	3-DH5	2439.8014	2440.8068	1.0054	0.866	PASS

Test Graphs



Conducted Out Of Band Emission

Test Result

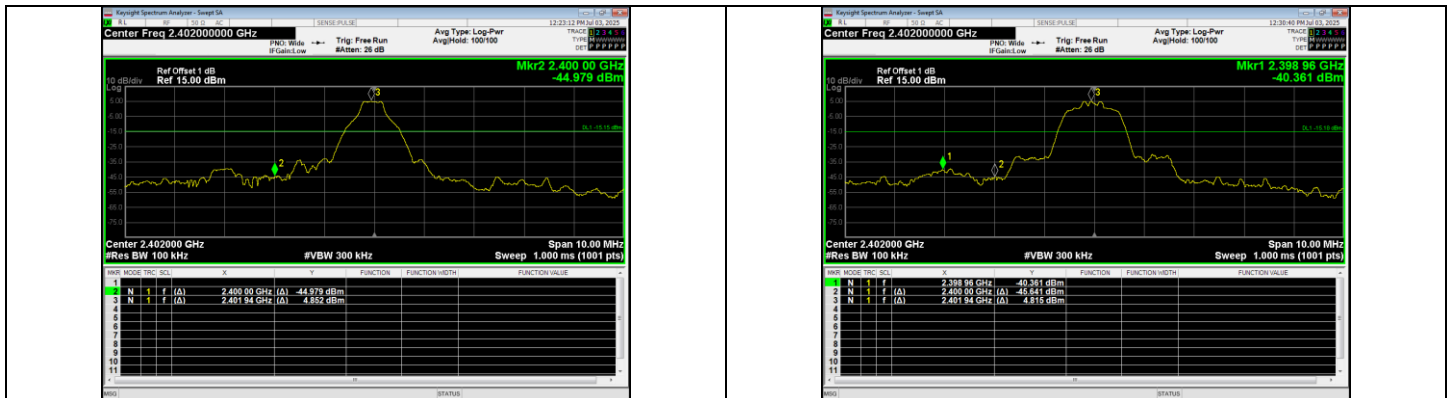
Non-Hopping

Modulation	Packet	Channel	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result
GFSK	DH5	0	2399.00	-39.864	-15.15	-24.714	PASS
			2400.00	-44.979	-15.15	-29.829	PASS
			9601.90	-33.670	-15.15	-18.520	PASS
		39	9757.93	-34.315	-15.76	-18.555	PASS
		78	2483.50	-49.355	-15.13	-34.225	PASS
			9914.00	-36.595	-15.13	-21.465	PASS
$\pi/4$ DQPSK	2-DH5	0	2398.96	-40.361	-15.18	-25.181	PASS
			2400.00	-45.641	-15.18	-30.461	PASS
			9601.90	-33.398	-15.18	-18.218	PASS
		39	9757.93	-34.064	-15.6	-18.464	PASS
		78	2483.50	-50.603	-15.14	-35.463	PASS
			9914.00	-36.133	-15.14	-20.993	PASS
8DPSK	3-DH5	0	2398.82	-40.450	-15.2	-25.250	PASS
			2400.00	-45.775	-15.2	-30.575	PASS
			9601.90	-33.498	-15.2	-18.298	PASS
		39	9757.93	-34.096	-15.85	-18.246	PASS
		78	2483.50	-49.877	-15.22	-34.657	PASS
			9914.00	-36.248	-15.22	-21.028	PASS

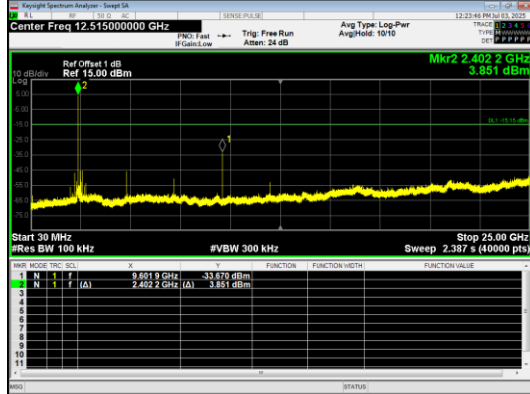
Hopping

Modulation	Packet	Channel	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result
GFSK	DH5	Hopping	2400.00	-39.925	-15.36	-24.565	PASS
π/4DQPSK	2-DH5		2483.50	-49.727	-15.12	-34.607	PASS
			2400.00	-40.815	-15.16	-25.655	PASS
8DPSK	3-DH5		2483.50	-49.205	-15.19	-34.015	PASS
			2398.81	-40.348	-15.34	-25.008	PASS
			2400.00	-40.793	-15.34	-25.453	PASS
		2483.50	-49.714	-15.34	-34.374	PASS	

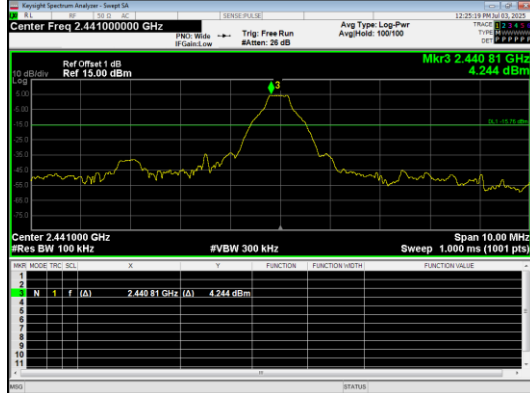
Test Graphs



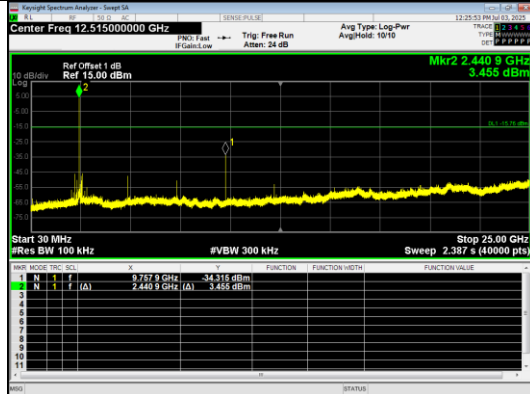
Out Of Band Emission GFSK_DH5_Channel 0



30.0 MHz - 25000.0 MHz GFSK_DH5_Channel 0

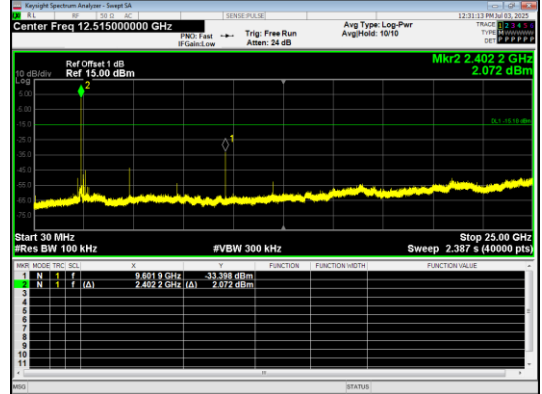


Out Of Band Emission GFSK_DH5_Channel 39

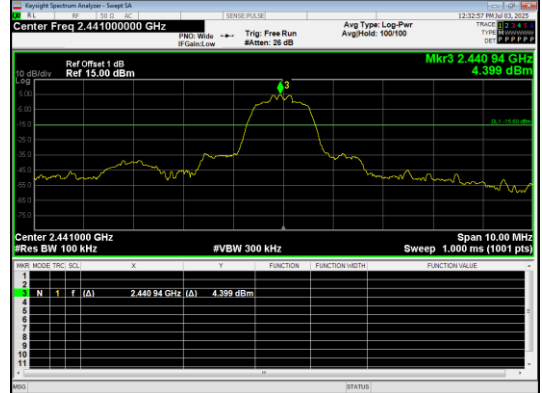


30.0 MHz - 25000.0 MHz GFSK_DH5_Channel 39

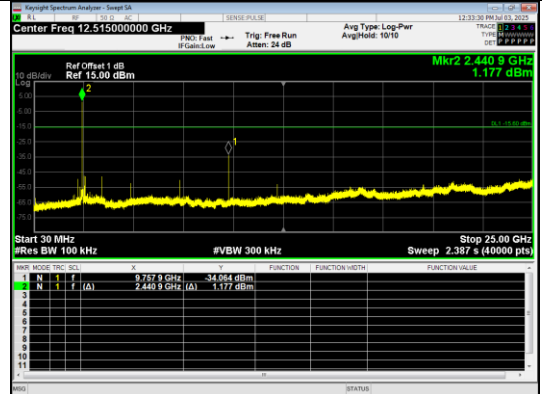
Out Of Band Emission $\pi/4$ DQPSK_2-DH5_Channel 0



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



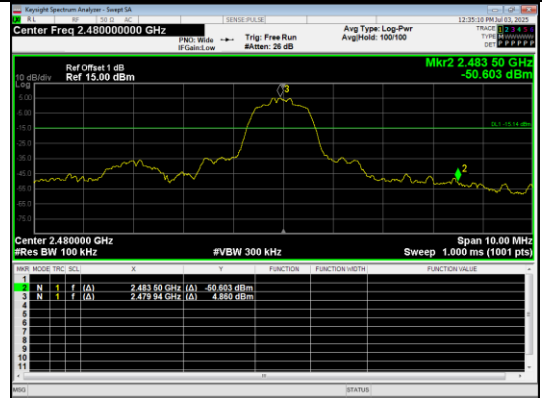
Out Of Band Emission $\pi/4$ DQPSK_2-DH5_Channel 39



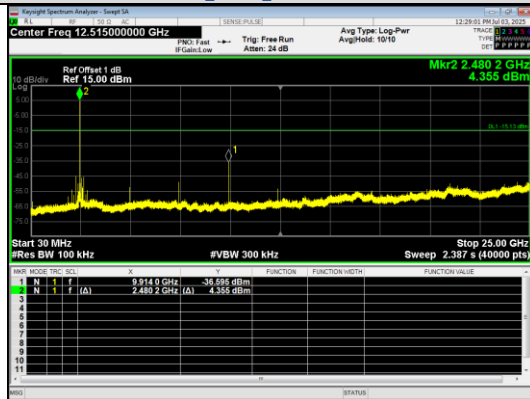
30.0 MHz - 25000.0 MHz $\pi/4$ DQPSK_2-DH5_Channel 39



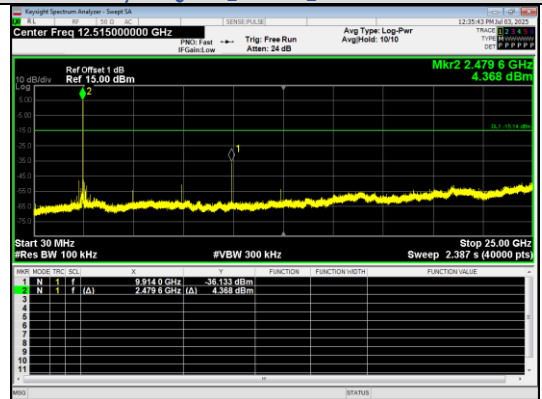
Out Of Band Emission
GFSK_DH5_Channel 78



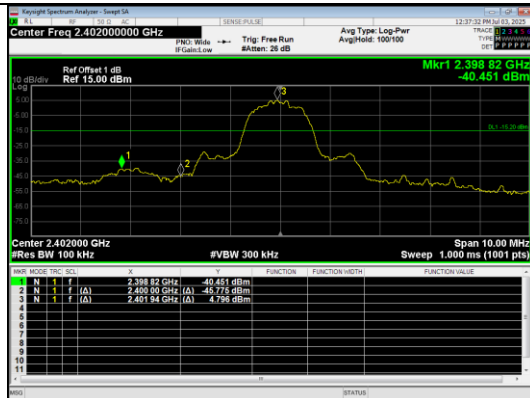
Out Of Band Emission
 $\pi/4$ DQPSK_2-DH5_Channel 78



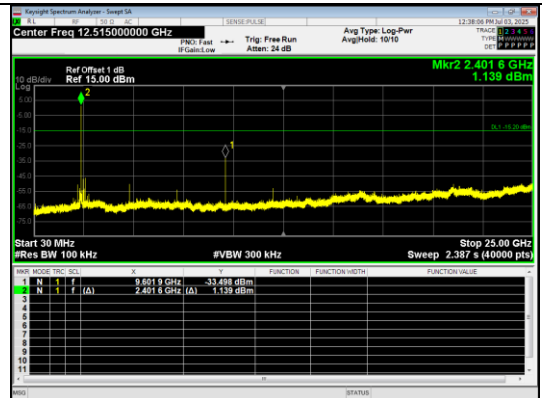
30.0 MHz - 25000.0 MHz
GFSK_DH5_Channel 78



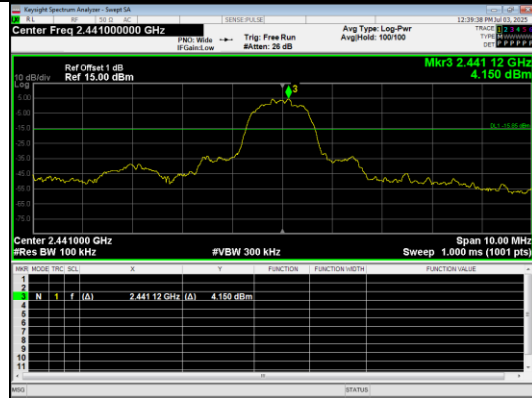
30.0 MHz - 25000.0 MHz
 $\pi/4$ DQPSK_2-DH5_Channel 78



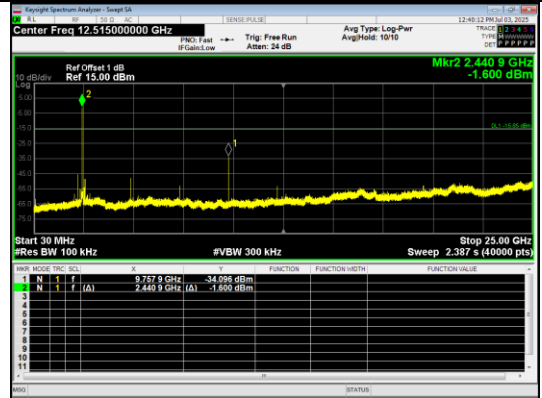
Out Of Band Emission
8DPSK_3-DH5_Channel 0



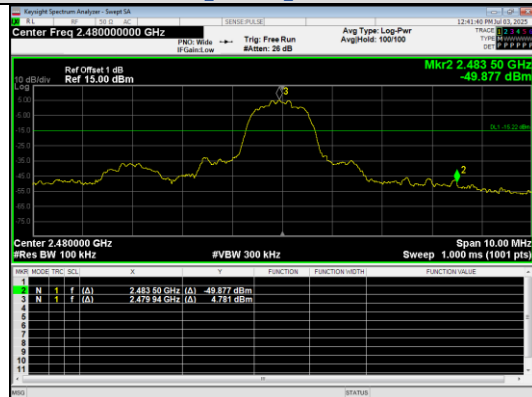
30.0 MHz - 25000.0 MHz
8DPSK_3-DH5_Channel 0



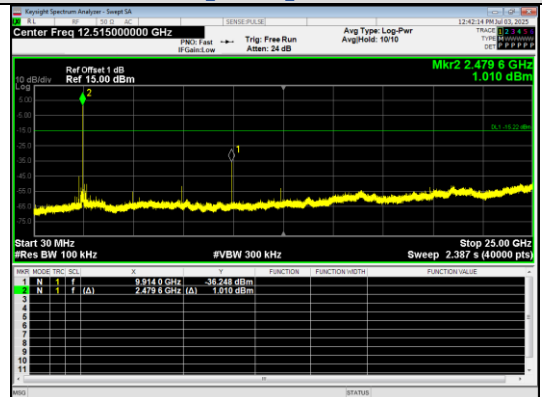
Out Of Band Emission
8DPSK_3-DH5_Channel 39



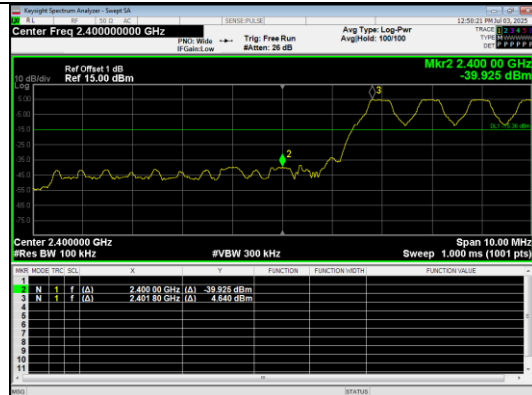
30.0 MHz - 25000.0 MHz
8DPSK_3-DH5_Channel 39



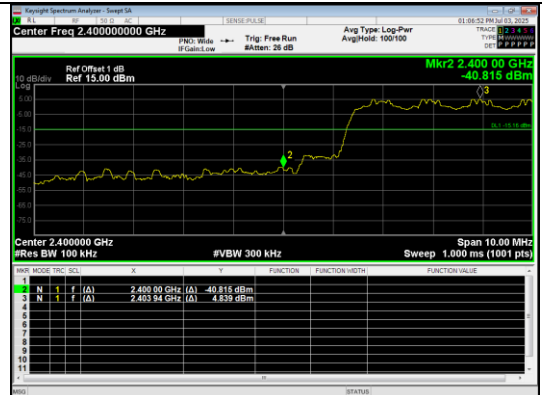
Out Of Band Emission
8DPSK_3-DH5_Channel 78



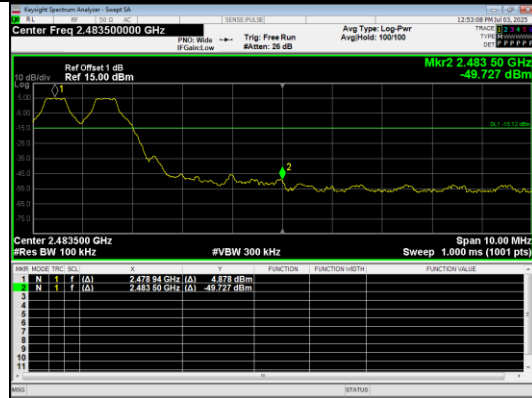
30.0 MHz - 25000.0 MHz
8DPSK_3-DH5_Channel 78



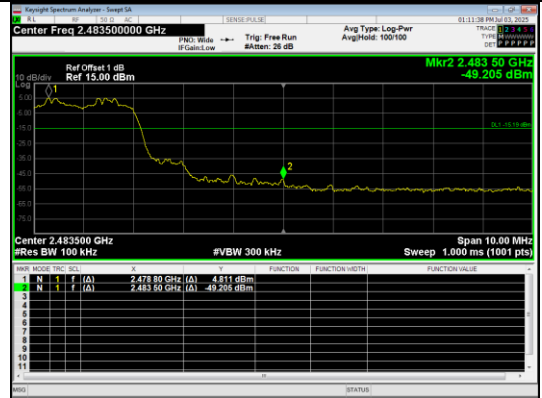
Out Of Band Emission(Left)
GFSK_DH5_Channel Hopping



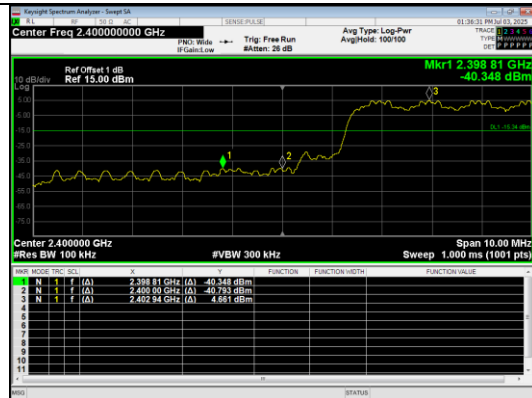
Out Of Band Emission(Left)
 $\pi/4$ DQPSK_2-DH5_Channel Hopping



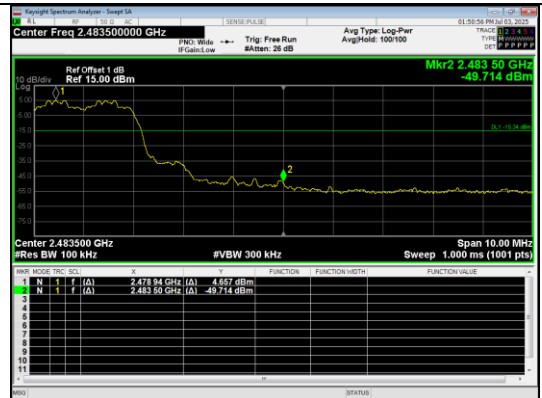
Out Of Band Emission(Right)
GFSK_DH5_Channel Hopping



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



Out Of Band Emission(Left)
8DPSK_3-DH5_Channel Hopping



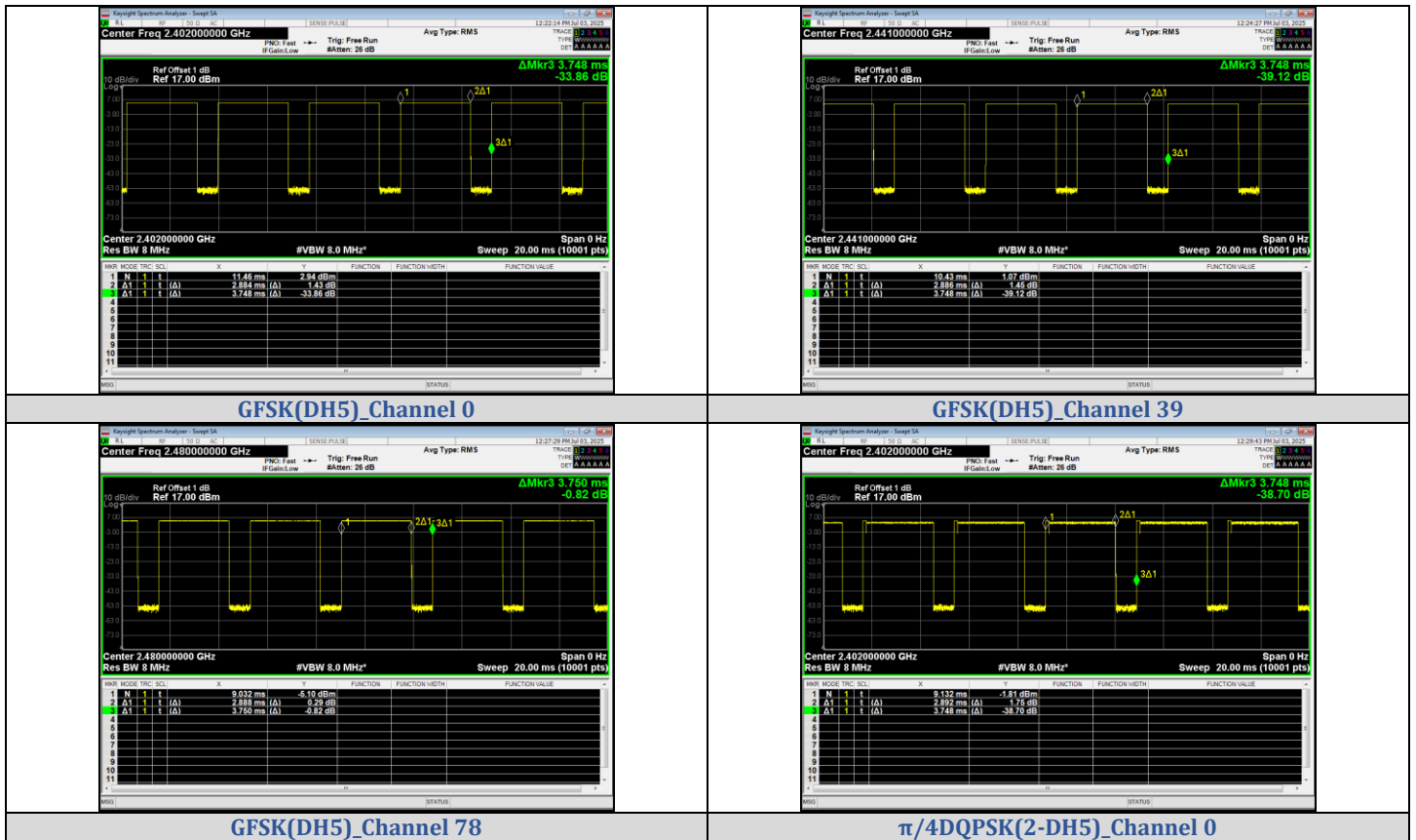
Out Of Band Emission(Right)
8DPSK_3-DH5_Channel Hopping

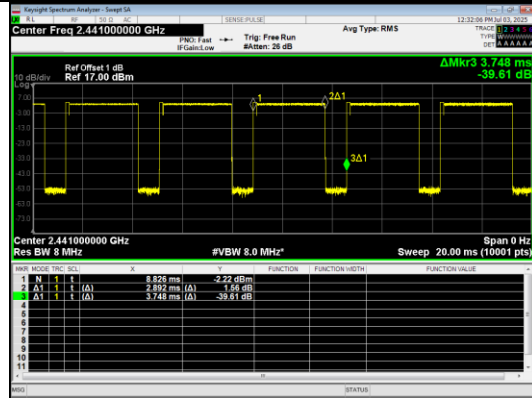
Duty Cycle

Test Result

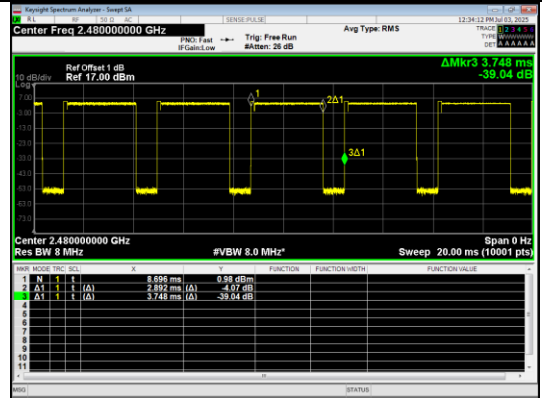
Modulation	Packets	Channel	On Time (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle (linear)	Duty Cycle Factor (dB)	1/T
GFSK	DH5	0	2.884	3.748	76.95	0.7695	1.1379	0.3467
		39	2.886	3.748	77.00	0.7700	1.1351	0.3465
		78	2.888	3.750	77.01	0.7701	1.1345	0.3463
$\pi/4$ DQPSK	2-DH5	0	2.892	3.748	77.16	0.7716	1.1261	0.3458
		39	2.892	3.748	77.16	0.7716	1.1261	0.3458
		78	2.892	3.748	77.16	0.7716	1.1261	0.3458
8DPSK	3-DH5	0	2.894	3.748	77.21	0.7721	1.1233	0.3455
		39	2.894	3.748	77.21	0.7721	1.1233	0.3455
		78	2.894	3.748	77.21	0.7721	1.1233	0.3455

Test Graphs

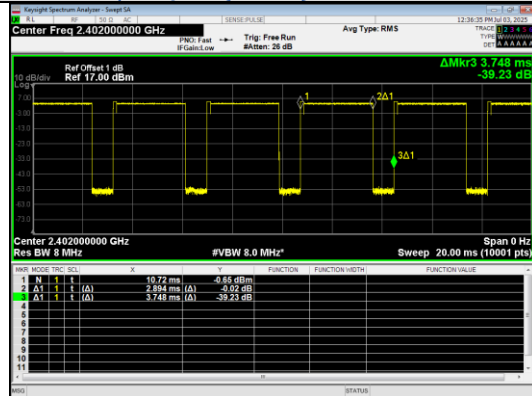




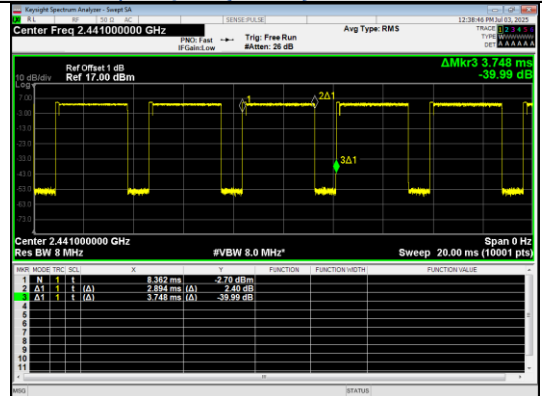
$\pi/4$ DQPSK(2-DH5)_Channel 39



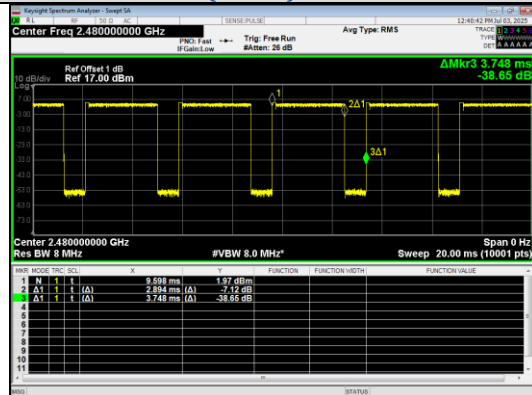
$\pi/4$ DQPSK(2-DH5)_Channel 78



8DPSK(3-DH5)_Channel 0



8DPSK(3-DH5)_Channel 39



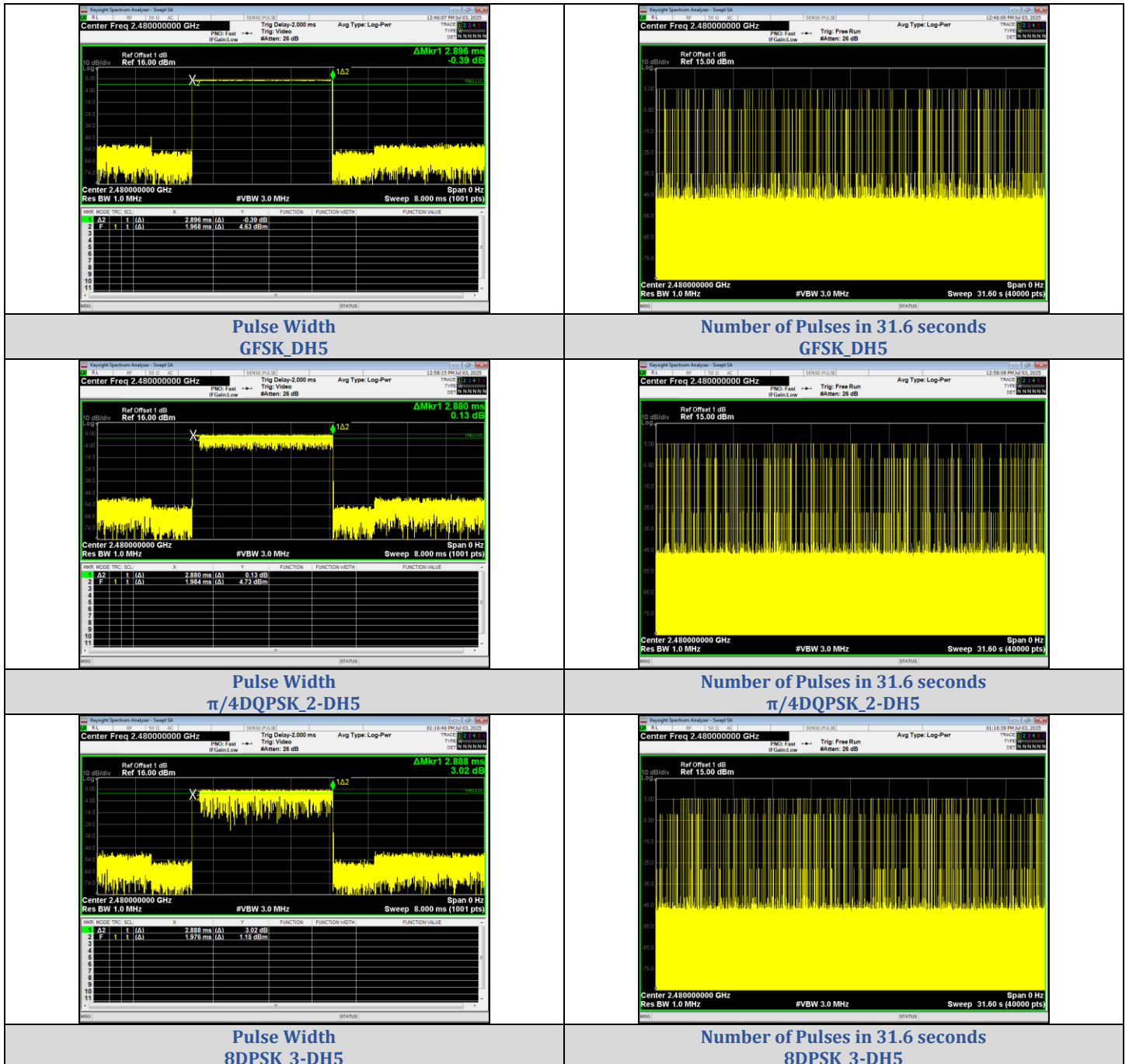
8DPSK(3-DH5)_Channel 78

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	95	275.12	< 400	PASS
$\pi/4$ DQPSK	2-DH5		2.880	99	285.12		PASS
8DPSK	3-DH5		2.888	111	320.57		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

