

Appendix-BT

Conducted Test Data

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	DH1	0	5.271	3.366	4.966	≤30	PASS
		39	5.422	3.485	5.292		PASS
		78	5.479	3.531	5.434		PASS
	DH3	0	5.282	3.374	5.129		PASS
		39	5.417	3.481	5.321		PASS
		78	5.484	3.535	5.395		PASS
	DH5	0	5.276	3.370	5.258		PASS
		39	5.430	3.491	5.328		PASS
		78	5.474	3.527	5.350		PASS
π/4DQPSK	2-DH1	0	7.480	5.598	4.860		PASS
		39	7.532	5.665	4.725		PASS
		78	7.605	5.761	4.530		PASS
	2-DH3	0	7.448	5.556	4.724		PASS
		39	7.493	5.614	4.714		PASS
		78	7.596	5.749	4.747		PASS
	2-DH5	0	7.484	5.603	4.656		PASS
		39	7.523	5.653	4.670		PASS
		78	7.630	5.794	4.758		PASS
8DPSK	3-DH1	0	7.753	5.961	4.516		PASS
		39	7.804	6.031	4.560		PASS
		78	7.913	6.184	4.867		PASS
	3-DH3	0	7.750	5.957	4.643		PASS
		39	7.836	6.076	4.629		PASS
		78	7.927	6.204	4.718		PASS
	3-DH5	0	7.754	5.962	4.626		PASS
		39	7.827	6.063	4.685		PASS
		78	7.932	6.212	4.667		PASS

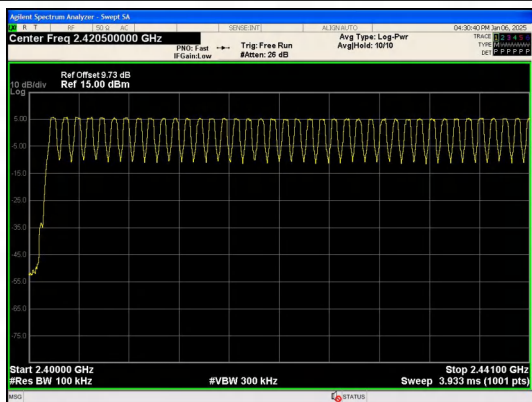
Note: $EIRP = P_{out} + G_{ant}$, where P_{out} is the conducted output power (i.e., the Peak Output Power in the table), and G_{ant} is the antenna gain equal to 1.25 dBi.

Number of Hopping Frequencies

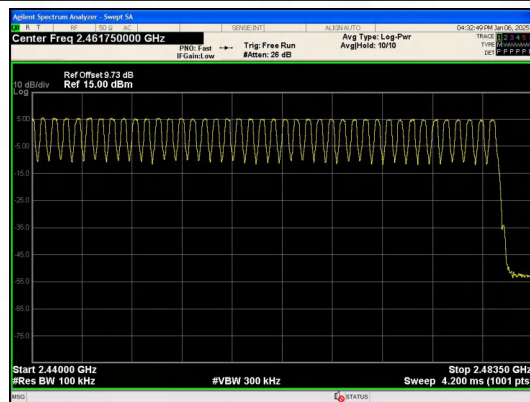
Test Result

Modulation	Packet	Number of Hopping Channel	Limit	Result
GFSK	DH5	79	15	PASS
GFSK	DH5	79	15	PASS
GFSK	DH5	79	15	PASS
$\pi/4$ DQPSK	2-DH1	79	15	PASS
$\pi/4$ DQPSK	2-DH1	79	15	PASS
$\pi/4$ DQPSK	2-DH1	79	15	PASS
8DPSK	3-DH1	79	15	PASS
8DPSK	3-DH1	79	15	PASS
8DPSK	3-DH1	79	15	PASS

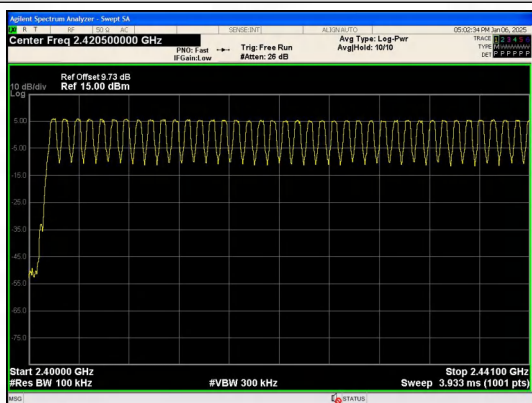
Test Graphs



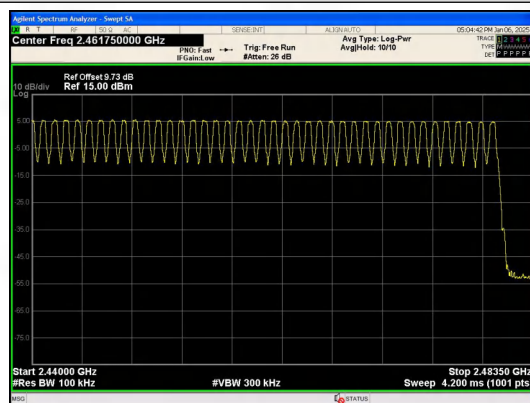
Low End Spectrum Channel Hopping Plot
GFSK



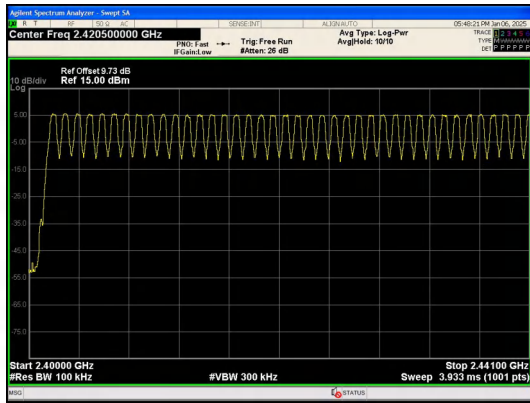
High End Spectrum Channel Hopping Plot
GFSK



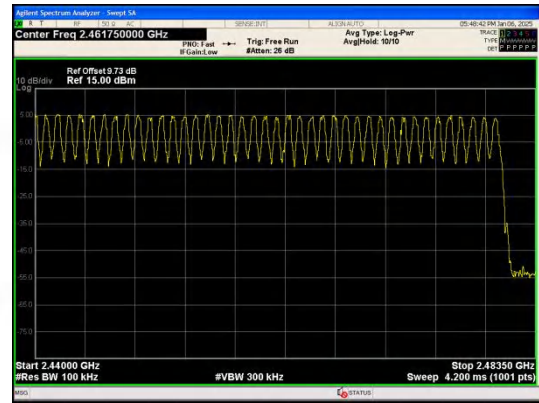
Low End Spectrum Channel Hopping Plot
GFSK



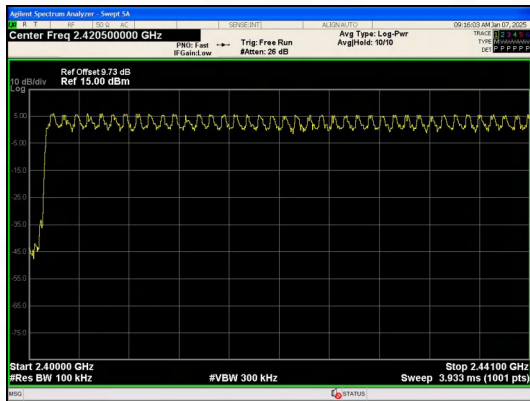
High End Spectrum Channel Hopping Plot
GFSK



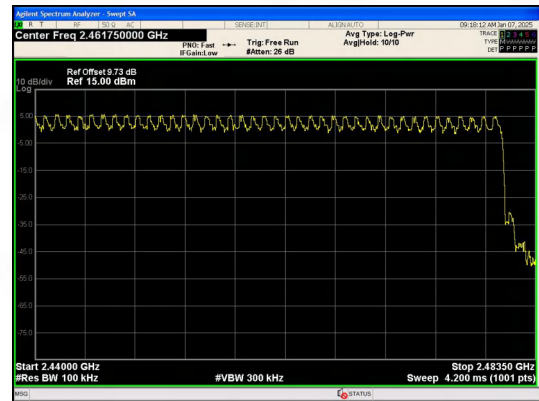
Low End Spectrum Channel Hopping Plot
GFSK



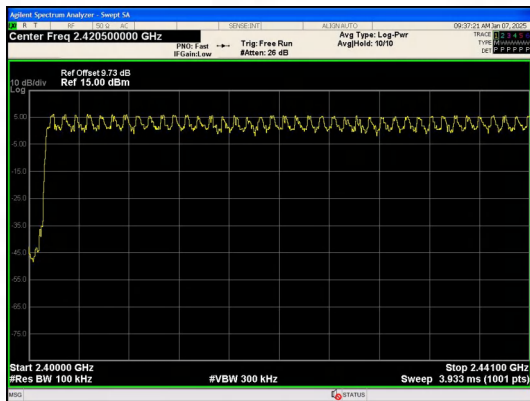
High End Spectrum Channel Hopping Plot
GFSK



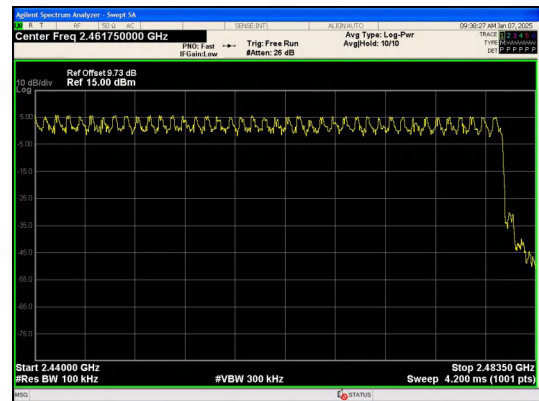
Low End Spectrum Channel Hopping Plot
 $\pi/4$ DQPSK



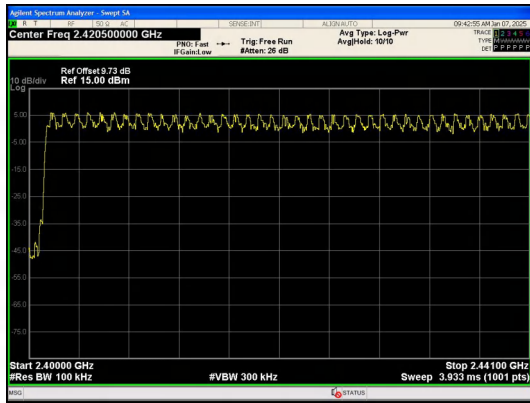
High End Spectrum Channel Hopping Plot
 $\pi/4$ DQPSK



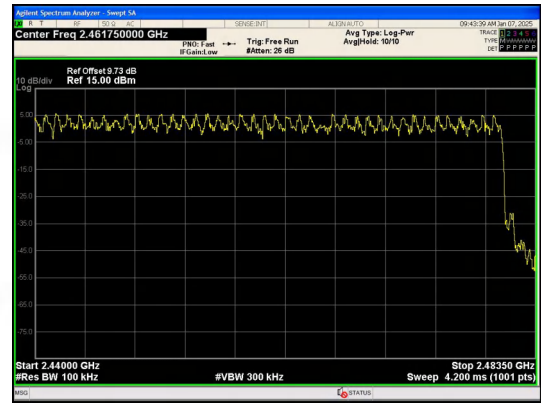
Low End Spectrum Channel Hopping Plot
 $\pi/4$ DQPSK



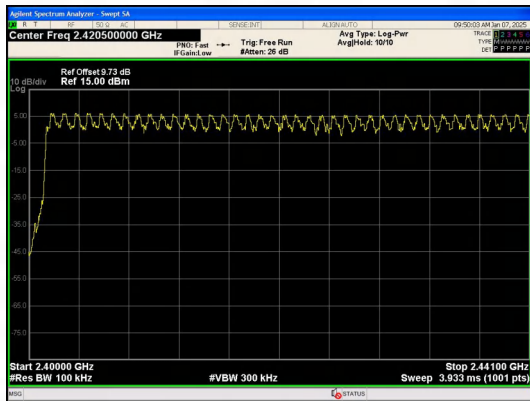
High End Spectrum Channel Hopping Plot
 $\pi/4$ DQPSK



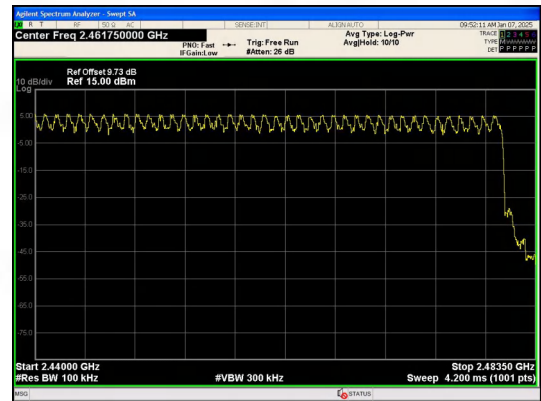
Low End Spectrum Channel Hopping Plot
 $\pi/4$ DQPSK



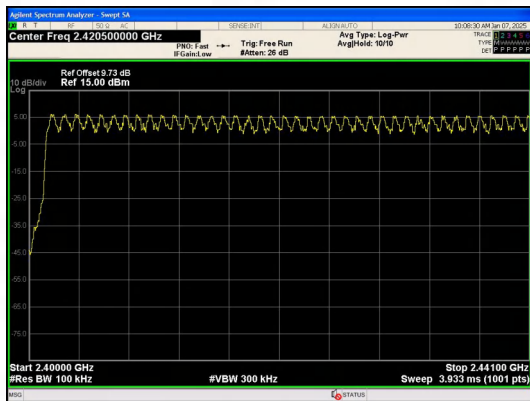
High End Spectrum Channel Hopping Plot
 $\pi/4$ DQPSK



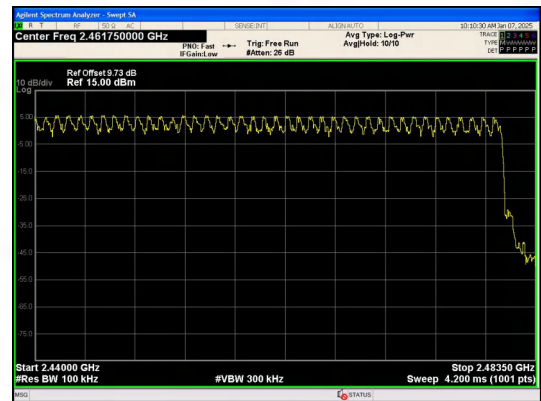
Low End Spectrum Channel Hopping Plot
8DPSK



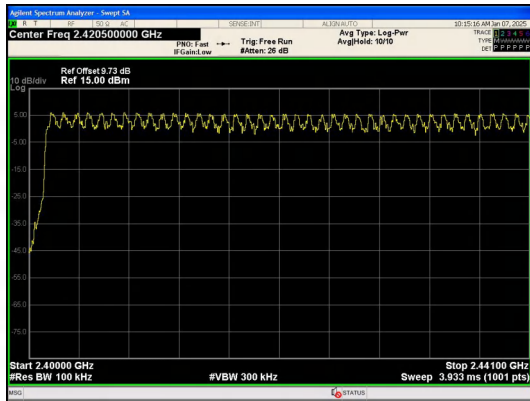
High End Spectrum Channel Hopping Plot
8DPSK



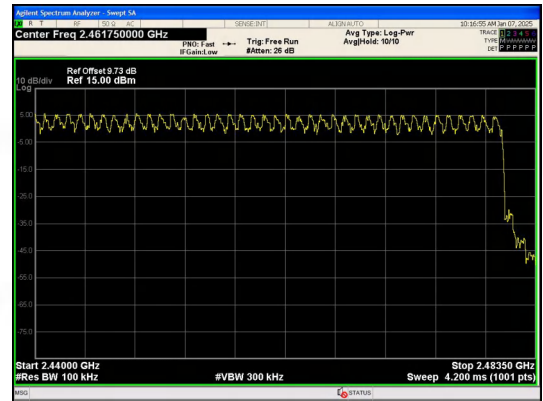
Low End Spectrum Channel Hopping Plot
8DPSK



High End Spectrum Channel Hopping Plot
8DPSK



Low End Spectrum Channel Hopping Plot
8DPSK



High End Spectrum Channel Hopping Plot
8DPSK

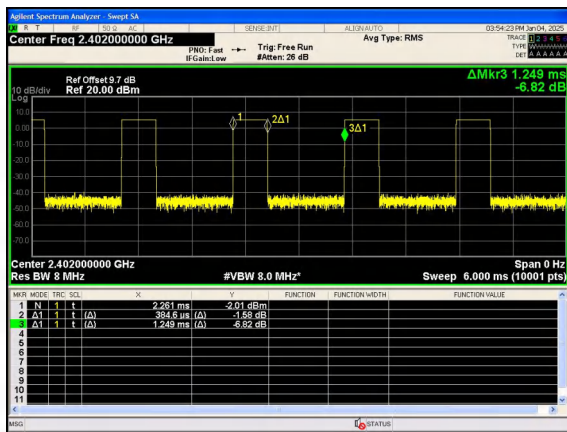
Duty Cycle and Dwell Time

Duty Cycle

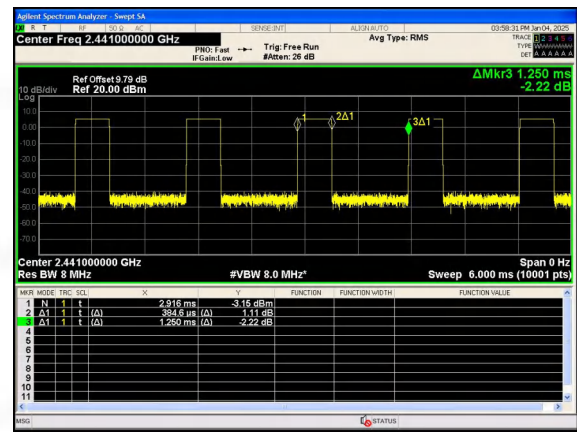
Test Result

Modulation	Packets	Channel	On Time (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle (linear)	Duty Cycle Factor (dB)	1/T
GFSK	DH1	0	0.385	1.249	30.79	0.3079	5.1159	2.5974
		39	0.385	1.250	30.77	0.3077	5.1187	2.5974
		78	0.385	1.250	30.77	0.3077	5.1187	2.5974
	DH3	0	1.641	2.499	65.64	0.6564	1.8283	0.6094
		39	1.641	2.499	65.64	0.6564	1.8283	0.6094
		78	1.641	2.499	65.64	0.6564	1.8283	0.6094
	DH5	0	2.888	3.748	77.05	0.7705	1.1323	0.3463
		39	2.888	3.748	77.05	0.7705	1.1323	0.3463
		78	2.888	3.748	77.05	0.7705	1.1323	0.3463
$\pi/4$ DQPSK	2-DH1	0	0.386	1.250	30.87	0.3087	5.1046	2.5907
		39	0.386	1.250	30.87	0.3087	5.1046	2.5907
		78	0.386	1.249	30.88	0.3088	5.1032	2.5907
	2-DH3	0	1.638	2.498	65.56	0.6556	1.8336	0.6105
		39	1.638	2.498	65.56	0.6556	1.8336	0.6105
		78	1.638	2.498	65.56	0.6556	1.8336	0.6105
	2-DH5	0	2.886	3.748	77.00	0.7700	1.1351	0.3465
		39	2.886	3.748	77.00	0.7700	1.1351	0.3465
		78	2.884	3.748	76.95	0.7695	1.1379	0.3467
8DPSK	3-DH1	0	0.385	1.249	30.79	0.3079	5.1159	2.5974
		39	0.385	1.249	30.79	0.3079	5.1159	2.5974
		78	0.385	1.250	30.82	0.3082	5.1117	2.5974
	3-DH3	0	1.635	2.498	65.44	0.6544	1.8416	0.6116
		39	1.635	2.498	65.44	0.6544	1.8416	0.6116
		78	1.635	2.498	65.44	0.6544	1.8416	0.6116
	3-DH5	0	2.886	3.748	77.00	0.7700	1.1351	0.3465
		39	2.886	3.748	77.00	0.7700	1.1351	0.3465
		78	2.886	3.748	77.00	0.7700	1.1351	0.3465

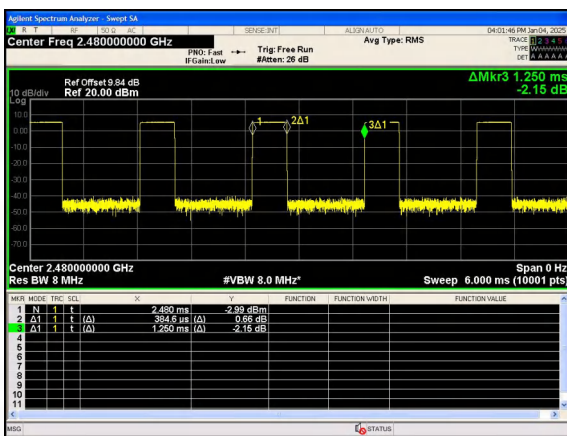
Test Graphs



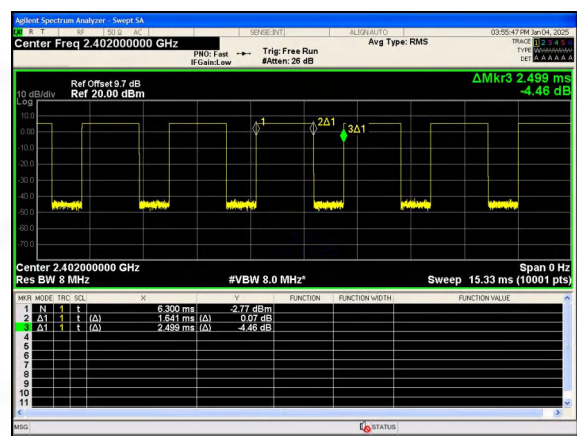
GFSK(DH1)_Channel 0



GFSK(DH1)_Channel 39



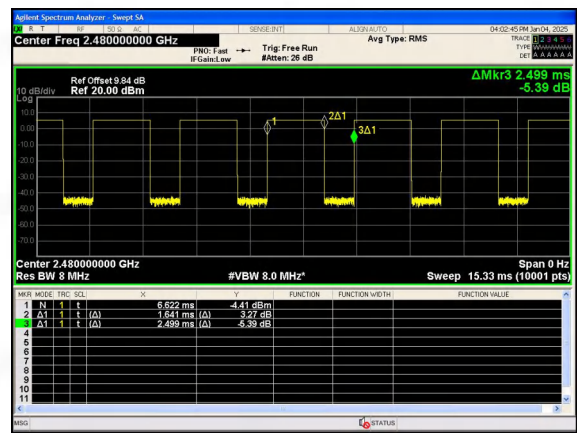
GFSK(DH1)_Channel 78



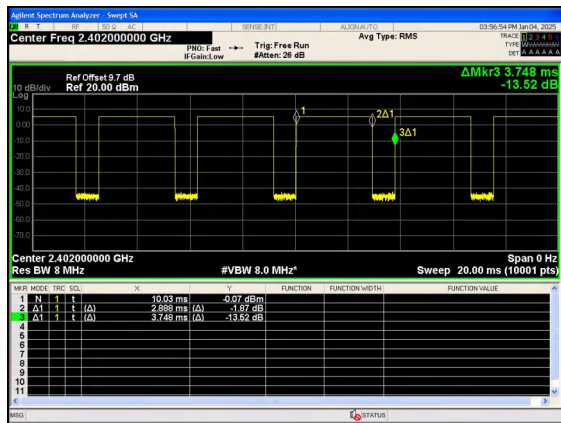
GFSK(DH3)_Channel 0



GFSK(DH3)_Channel 39



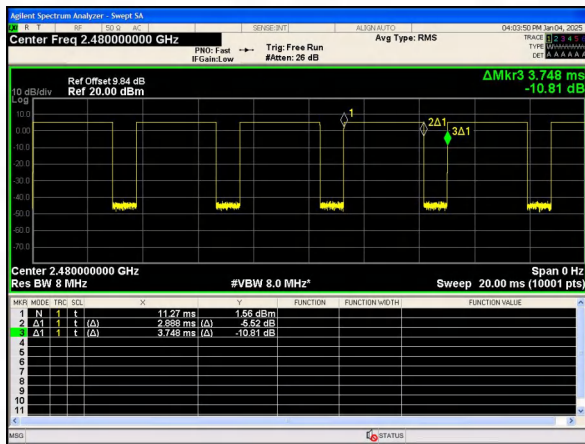
GFSK(DH3)_Channel 78



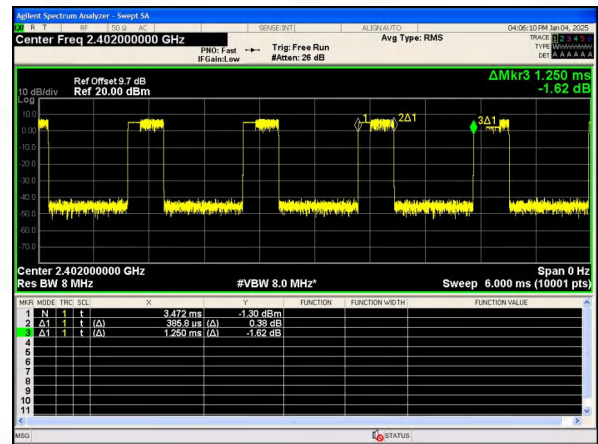
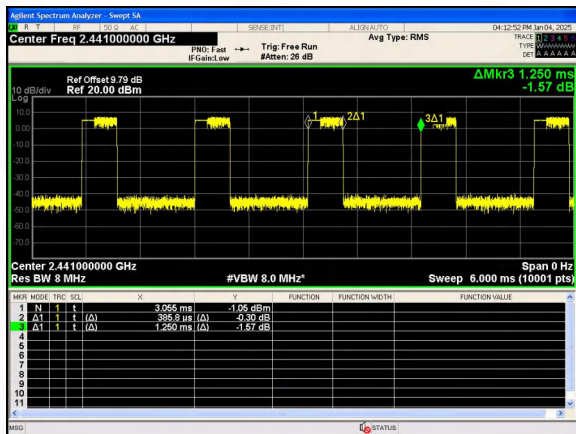
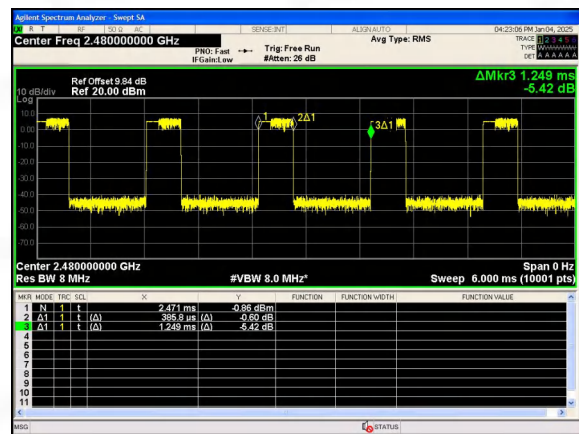
GFSK(DH5)_Channel 0

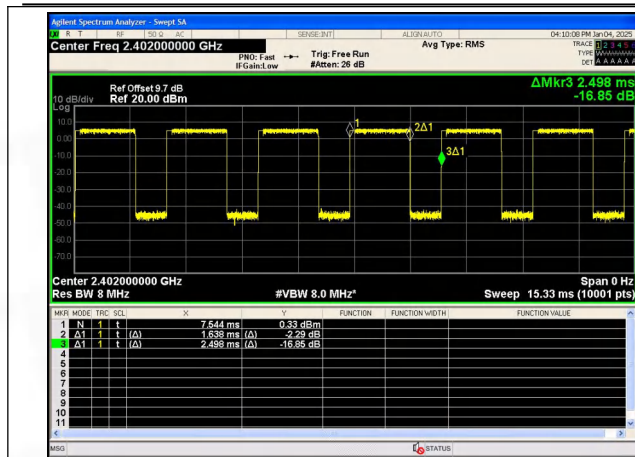
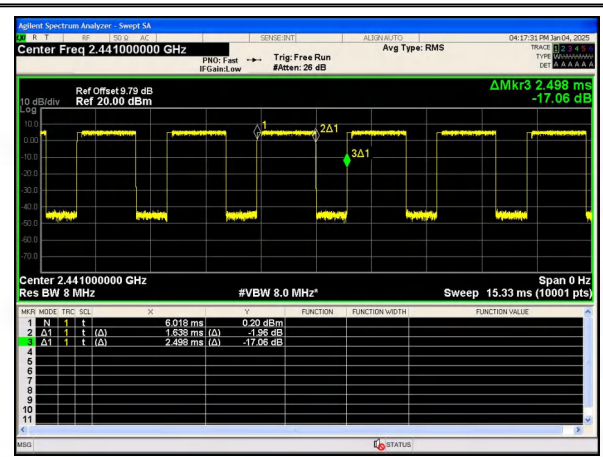
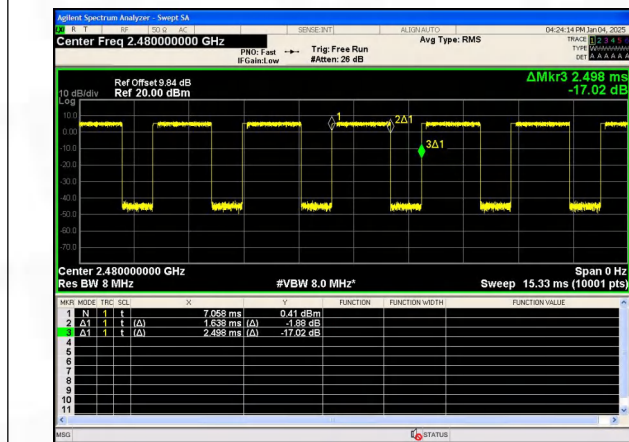
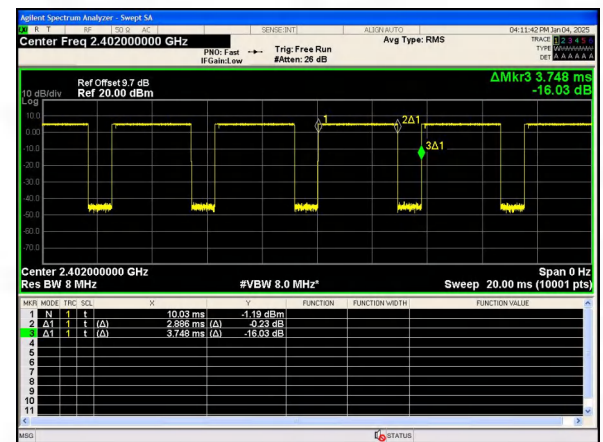
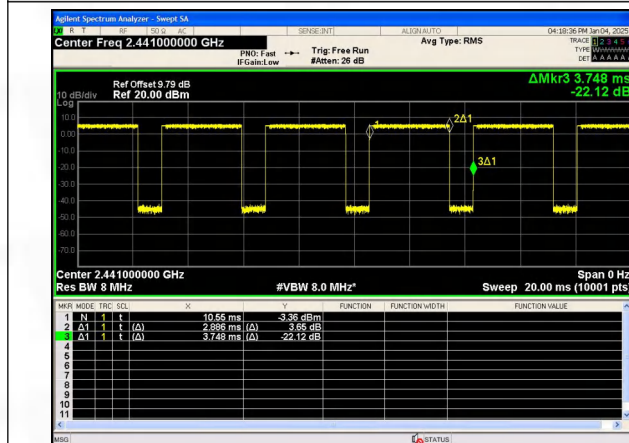
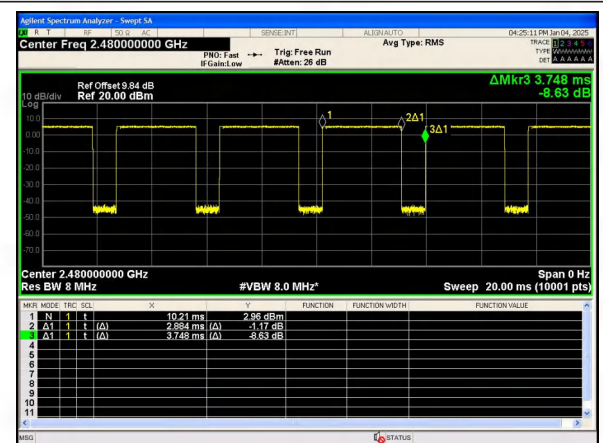


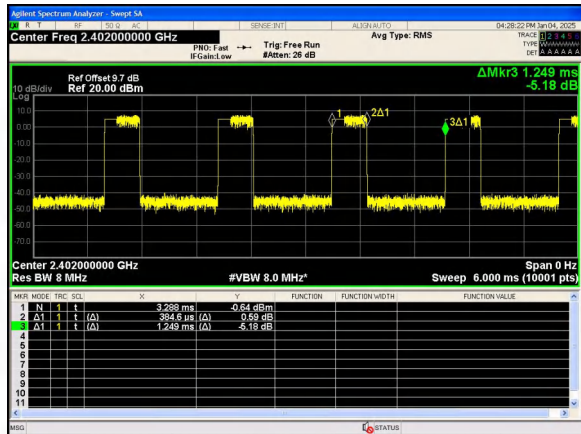
GFSK(DH5)_Channel 39



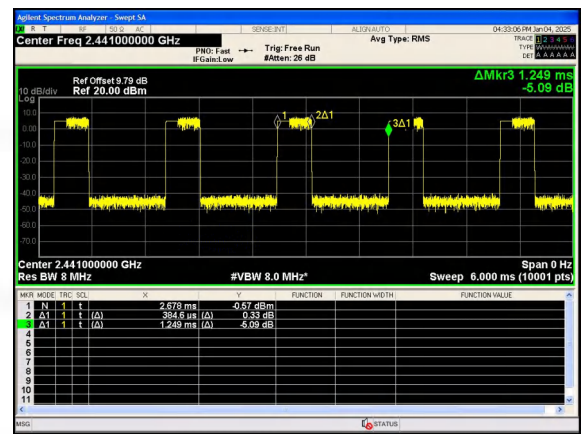
GFSK(DH5)_Channel 78


 $\pi/4$ DQPSK(2-DH1)_Channel 0

 $\pi/4$ DQPSK(2-DH1)_Channel 39

 $\pi/4$ DQPSK(2-DH1)_Channel 78

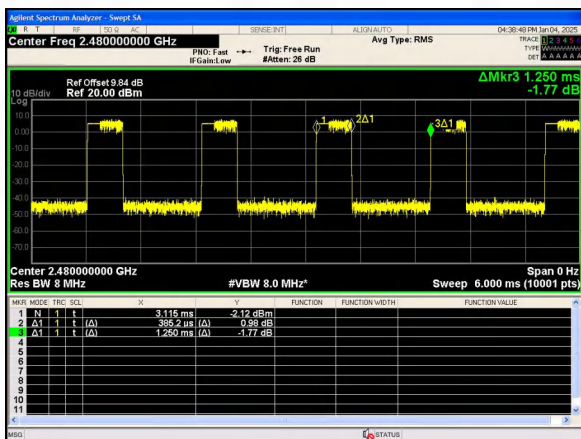

 $\pi/4$ DQPSK(2-DH3)_Channel 0

 $\pi/4$ DQPSK(2-DH3)_Channel 39

 $\pi/4$ DQPSK(2-DH3)_Channel 78

 $\pi/4$ DQPSK(2-DH5)_Channel 0

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

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



8DPSK(3-DH1)_Channel 0



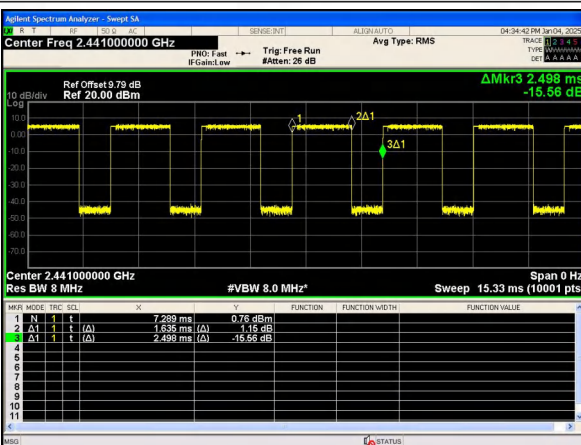
8DPSK(3-DH1)_Channel 39



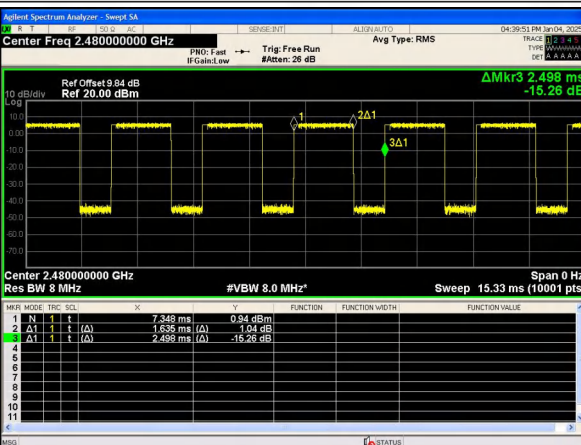
8DPSK(3-DH1)_Channel 78



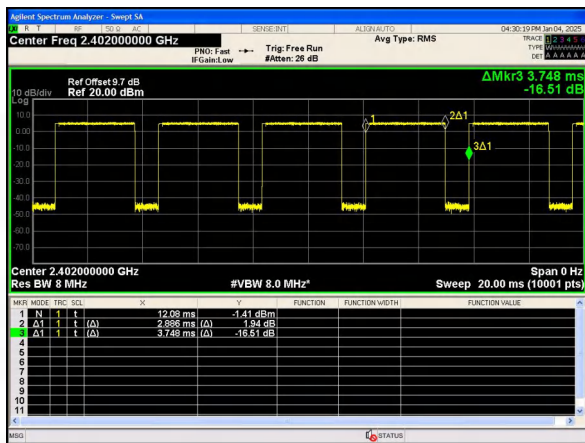
8DPSK(3-DH3)_Channel 0



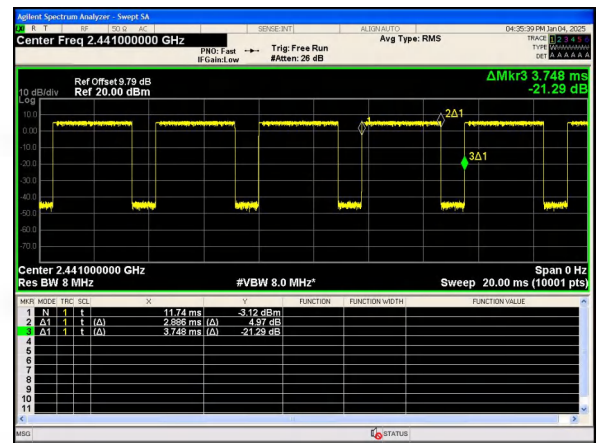
8DPSK(3-DH3)_Channel 39



8DPSK(3-DH3)_Channel 78



8DPSK(3-DH5)_Channel 0



8DPSK(3-DH5)_Channel 39

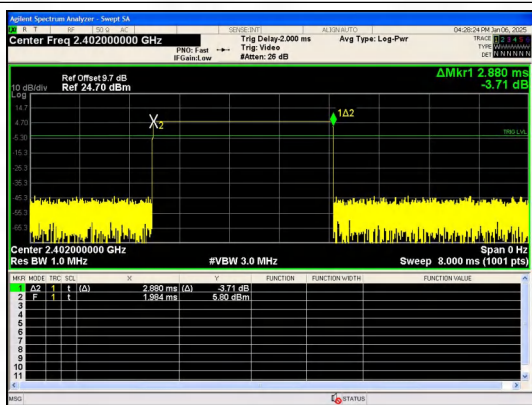


8DPSK(3-DH5)_Channel 78

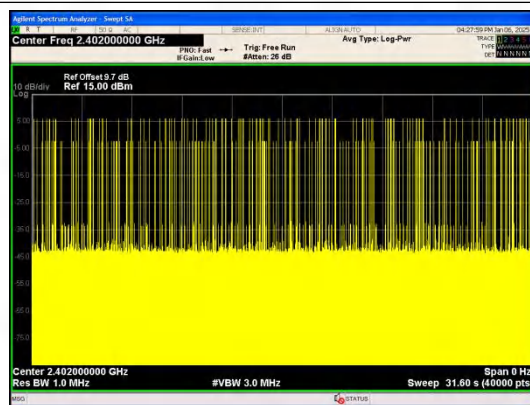
Dwell Time Test Result

Modulation	Packet	Channel	Pulse Width (ms)	Number of Pulses in 31.6 seconds	Dwell Time (ms)	Limit (ms)	Result
GFSK	DH5	CH0 (2402MHz)	2.880	116	334.08	< 400	PASS
	DH5	CH39 (2441MHz)	2.896	116	335.94		PASS
	DH5	CH78 (2480MHz)	2.888	118	340.78		PASS
π /4DQPSK	2-DH1	CH0 (2402MHz)	0.3840	315	120.96		PASS
	2-DH1	CH39 (2441MHz)	0.3840	320	122.88		PASS
	2-DH1	CH78 (2480MHz)	0.3840	316	121.34		PASS
8DPSK	3-DH1	CH0 (2402MHz)	0.3840	315	120.96		PASS
	3-DH1	CH39 (2441MHz)	0.3828	313	119.82		PASS
	3-DH1	CH78 (2480MHz)	0.3840	315	120.96		PASS

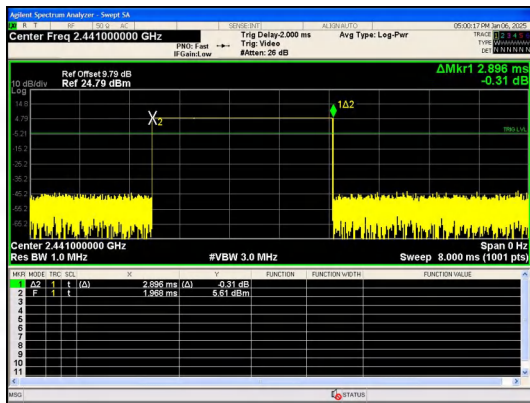
Test Graphs



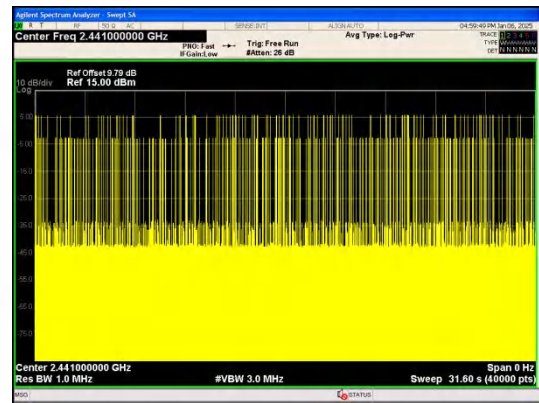
Pulse Width
GFSK_DH5



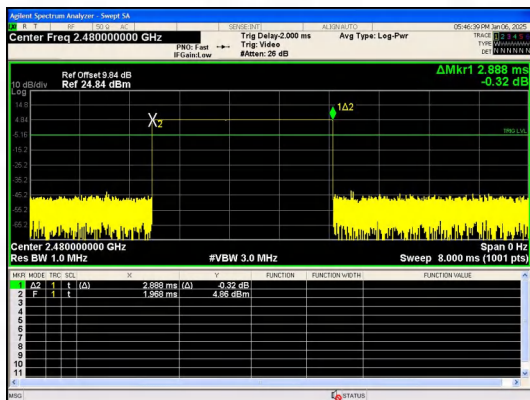
Number of Pulses in 31.6 seconds
GFSK_DH5



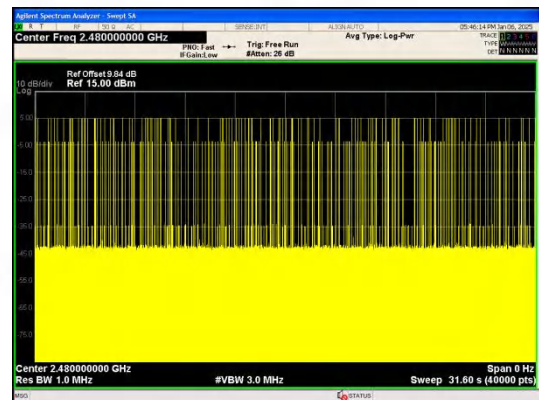
Pulse Width
GFSK_DH5



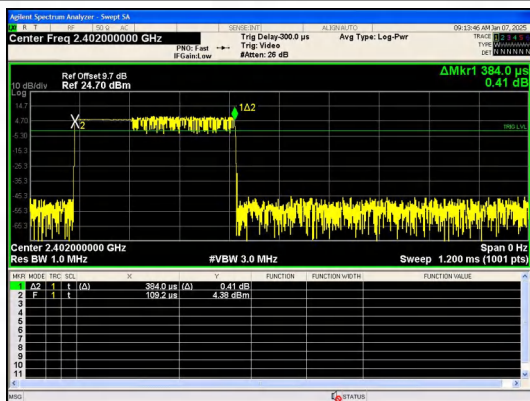
Number of Pulses in 31.6 seconds
GFSK_DH5



Pulse Width
GFSK_DH5



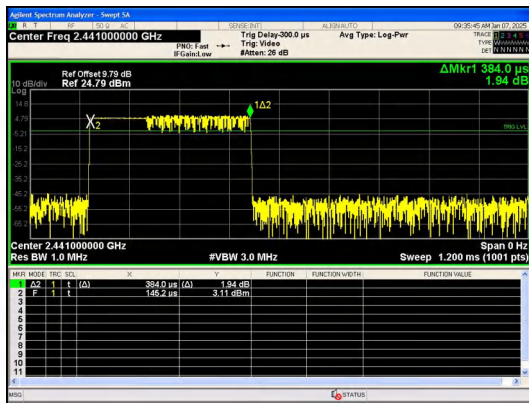
Number of Pulses in 31.6 seconds
GFSK_DH5



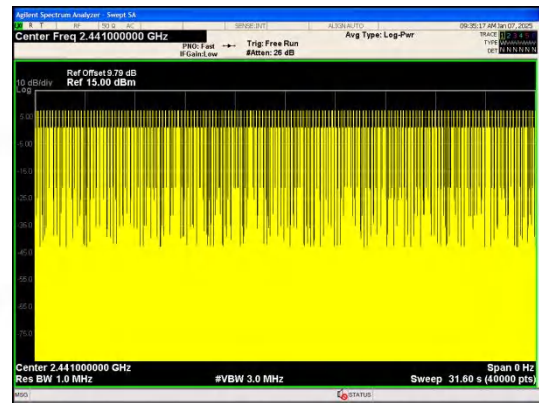
Pulse Width
 $\pi/4$ DQPSK_2-DH1



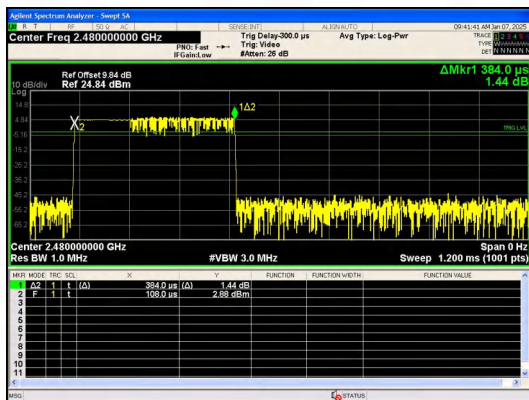
Number of Pulses in 31.6 seconds
 $\pi/4$ DQPSK_2-DH1



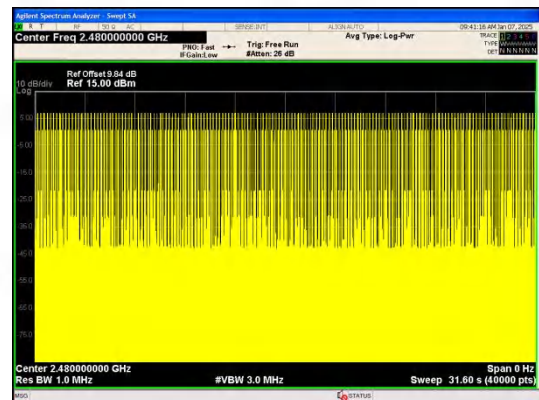
Pulse Width
 $\pi/4$ DQPSK_2-DH1



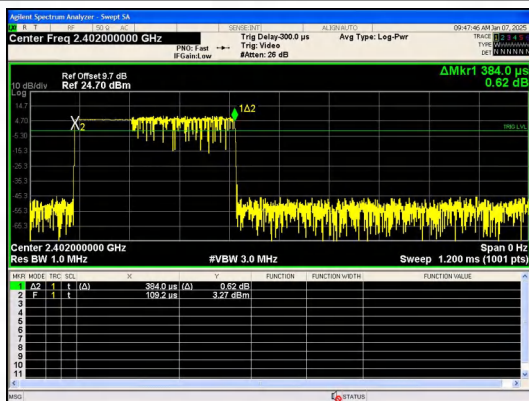
Number of Pulses in 31.6 seconds
 $\pi/4$ DQPSK_2-DH1



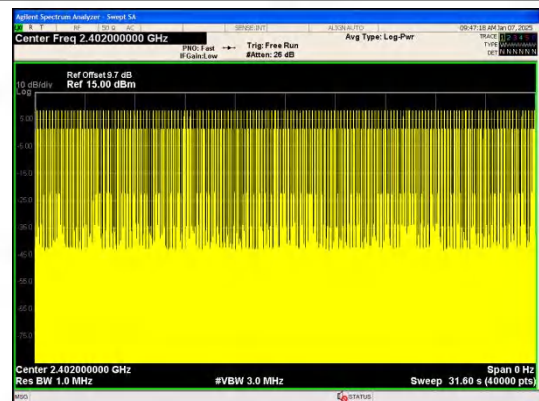
Pulse Width
 $\pi/4$ DQPSK_2-DH1



Number of Pulses in 31.6 seconds
 $\pi/4$ DQPSK_2-DH1



Pulse Width
8DPSK_3-DH1



Number of Pulses in 31.6 seconds
8DPSK_3-DH1