



Keyway Testing Technology (Guangdong) Co., Ltd

Laboratory Address: Room 2102, Building 6, Dongyi Intelligent Equipment New Energy Vehicle Park, No.30 of Tangxia District, Dongshen Road, Tangxia Town, Dongguan, 523710, People's Republic of China

A.6 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	0.389	1.250	31.11	0.3111	5.071	2.5707
		39	0.389	1.249	31.12	0.3112	5.0696	2.5707
		78	0.388	1.250	31.06	0.3106	5.078	2.5773
π /4DQPSK	2-DH1	0	0.398	1.250	31.83	0.3183	4.9716	2.5126
		39	0.397	1.249	31.80	0.3180	4.9757	2.5189
		78	0.397	1.249	31.80	0.3180	4.9757	2.5189
8DPSK	3-DH1	0	0.399	1.249	31.94	0.3194	4.9567	2.5063
		39	0.399	1.250	31.93	0.3193	4.958	2.5063
		78	0.399	1.249	31.94	0.3194	4.9567	2.5063

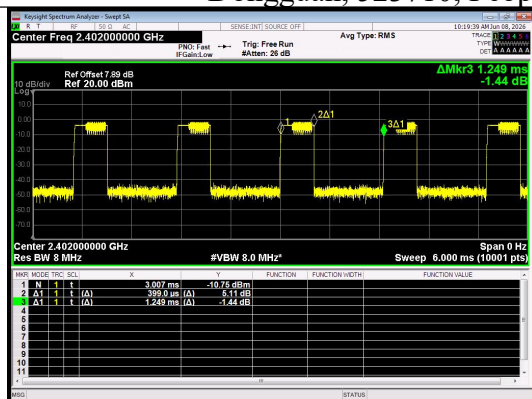
Test Graphs





Keyway Testing Technology (Guangdong) Co., Ltd

Laboratory Address: Room 2102, Building 6, Dongyi Intelligent Equipment New Energy Vehicle Park, No.30 of Tangxia District, Dongshen Road, Tangxia Town, Dongguan, 523710, People's Republic of China



8DPSK(3-DH1)_Channel 0



8DPSK(3-DH1)_Channel 39



8DPSK(3-DH1)_Channel 78

A.7 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	Hopping	2.900	105	304.5	< 400	PASS
	DH5		2.900	104	301.6		PASS
	DH5		2.890	120	346.8		PASS
π/4DQPSK	2-DH5		2.905	104	302.12		PASS
	2-DH5		2.900	100	290.0		PASS
	2-DH5		2.900	93	269.7		PASS
8DPSK	3-DH5		2.870	104	298.48		PASS
	3-DH5		2.910	99	288.09		PASS
	3-DH5		2.870	105	301.35		PASS

Note: Dwell time=Pulse time(ms)*Number of Pulses in 31.6 seconds

Test Graphs

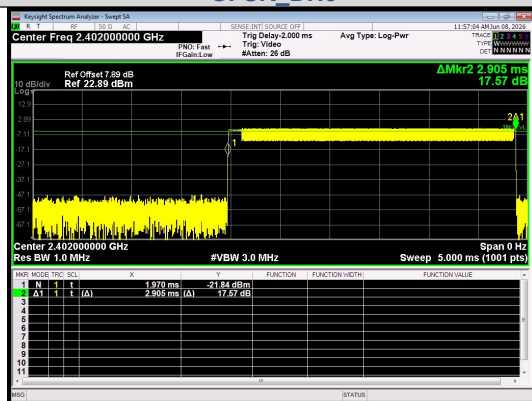




Keyway Testing Technology (Guangdong) Co., Ltd

Laboratory Address: Room 2102, Building 6, Dongyi Intelligent Equipment New Energy Vehicle Park, No.30 of Tangxia District, Dongshen Road, Tangxia Town, Dongguan, 523710, People's Republic of China

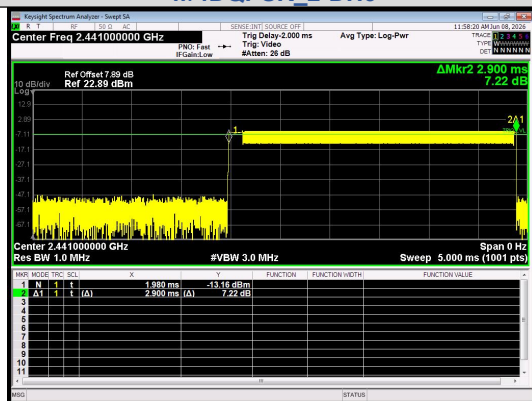
GFSK_DH5



GFSK_DH5



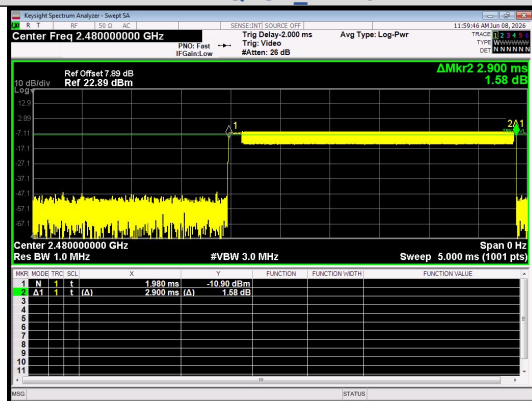
**Pulse Width
 $\pi/4$ DQPSK_2-DH5**



**Number of Pulses in 31.6 seconds
 $\pi/4$ DQPSK_2-DH5**



**Pulse Width
 $\pi/4$ DQPSK_2-DH5**



**Number of Pulses in 31.6 seconds
 $\pi/4$ DQPSK_2-DH5**



**Pulse Width
 $\pi/4$ DQPSK_2-DH5**

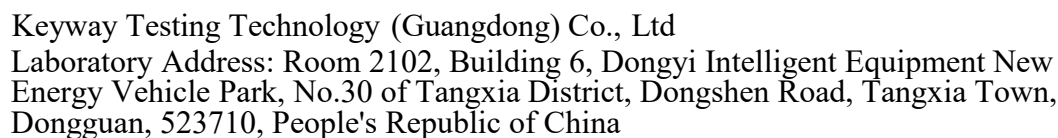


**Number of Pulses in 31.6 seconds
 $\pi/4$ DQPSK_2-DH5**



**Pulse Width
8DPSK_3-DH5**

**Number of Pulses in 31.6 seconds
8DPSK_3-DH5**





Keyway Testing Technology (Guangdong) Co., Ltd

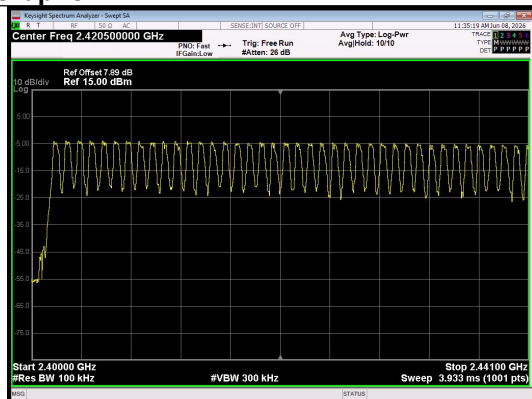
Laboratory Address: Room 2102, Building 6, Dongyi Intelligent Equipment New Energy Vehicle Park, No.30 of Tangxia District, Dongshen Road, Tangxia Town, Dongguan, 523710, People's Republic of China

A.8 NUMBER OF HOPPING CHANNEL

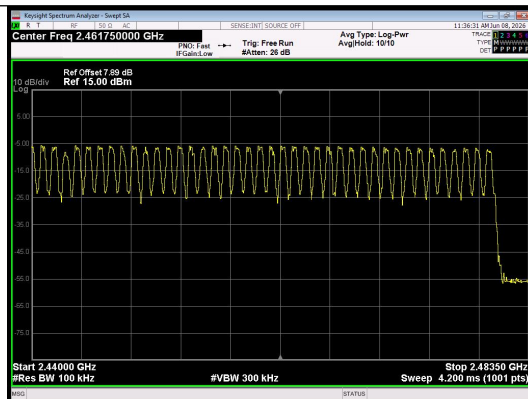
Test Result

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

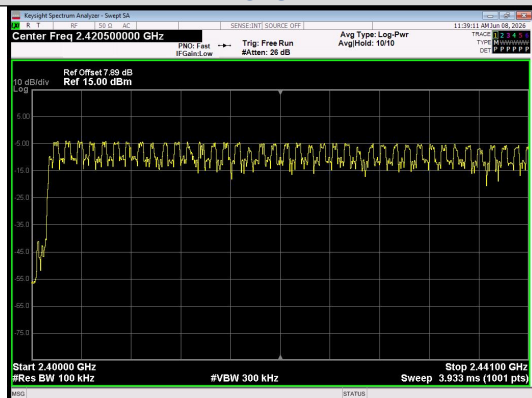
Test Graphs



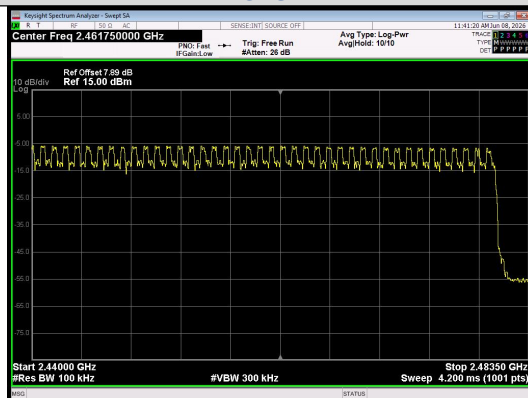
Low End Spectrum Channel Hopping Plot
GFSK



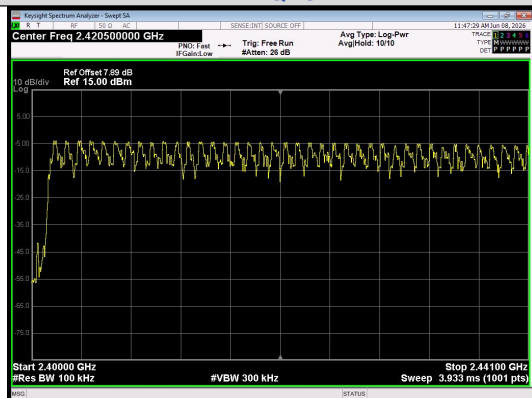
High End Spectrum Channel Hopping Plot
GFSK



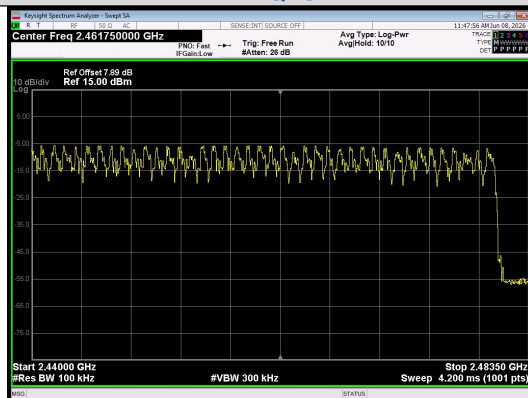
Low End Spectrum Channel Hopping Plot
 $\pi/4$ DQPSK



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



Low End Spectrum Channel Hopping Plot
8DPSK



High End Spectrum Channel Hopping Plot
8DPSK