Keyway Testing Technology (Guangdong) Co., Ltd
21/F.,Building 6, Dongyi Intelligent Equipment New Energy Vehicle Park,No.30,
Tangxia District, Dongshen Road,Tangxia, Dongguan, Guangdong, China

E.U.T:	POWERED LOUDSPEAKER SERIES
Model Number:	THRASH12v2, THRASH15v2
Trade Name:	
Date of Receipt:	Apr. 14, 2026
Date of Test:	Mar. 10 ~ 30, 2026
FCC ID:	2AD4XTHRASHV2
IC:	12714A-THRASHV2

Note: The test data have all been compensated for cable loss, and when measuring the entire 2400-2500MHz, the maximum loss value 7.89 dB.and when measuring the entire 30MHz-25GHz, Input Compensation Coeffcient (dB) = Max Cable Loss (dB)

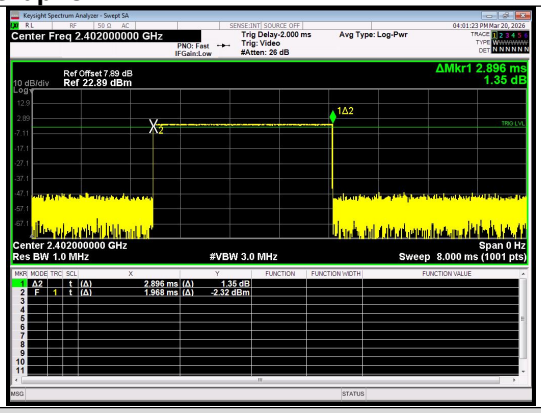
Keyway Testing Technology (Guangdong) Co., Ltd
21/F.,Building 6, Dongyi Intelligent Equipment New Energy Vehicle Park,No.30,
Tangxia District, Dongshen Road,Tangxia, Dongguan, Guangdong, China

A.1 DWELL TIME

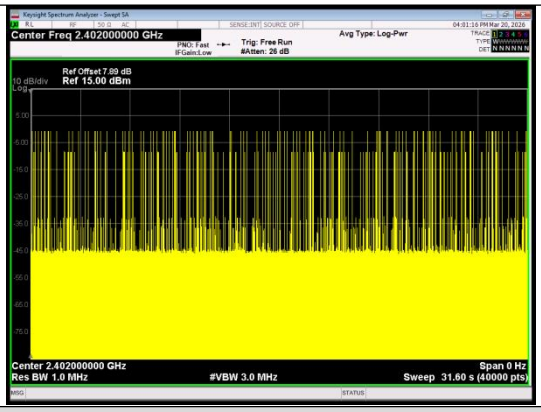
Test Result

Modulation	Packet	Channel	Pulse Width (ms)	Number of Pulses in 31.6 seconds	Dwell Time (ms)	Limit (ms)	Result
GFSK	DH5	CH0 (2402MHz)	2.896	102	321.46	< 400	PASS
	DH5	CH39 (2441MHz)	2.880	102	362.88		PASS
	DH5	CH78 (2480MHz)	2.880	94	288.0		PASS
π/4DQPSK	2-DH5	CH0 (2402MHz)	2.896	109	289.6		PASS
	2-DH5	CH39 (2441MHz)	2.880	106	290.88		PASS
	2-DH5	CH78 (2480MHz)	2.880	107	313.92		PASS
8DPSK	3-DH5	CH0 (2402MHz)	2.896	114	327.25		PASS
	3-DH5	CH39 (2441MHz)	2.896	105	278.02		PASS
	3-DH5	CH78 (2480MHz)	2.896	113	275.12		PASS

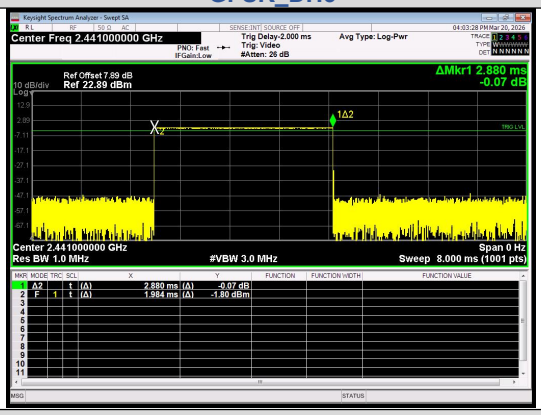
Test Graphs



Pulse Width
GFSK_DH5



Number of Pulses in 31.6 seconds
GFSK_DH5



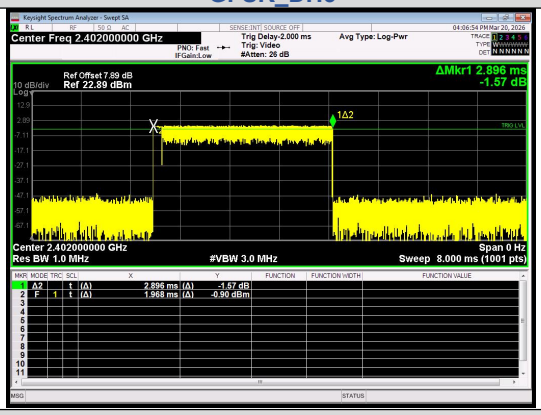
Pulse Width
GFSK_DH5

Number of Pulses in 31.6 seconds
GFSK_DH5

Keyway Testing Technology (Guangdong) Co., Ltd
21/F.,Building 6, Dongyi Intelligent Equipment New Energy Vehicle Park,No.30,
Tangxia District, Dongshen Road,Tangxia, Dongguan, Guangdong, China

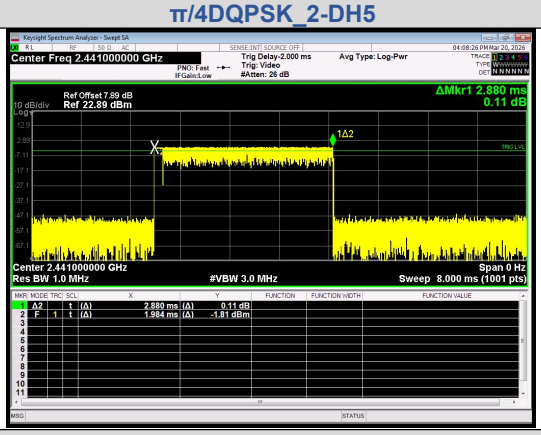
Pulse Width
GFSK_DH5

Number of Pulses in 31.6 seconds
GFSK_DH5

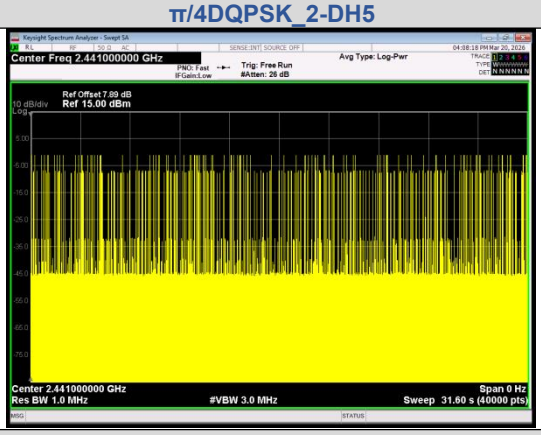


Pulse Width
π/4DQPSK_2-DH5

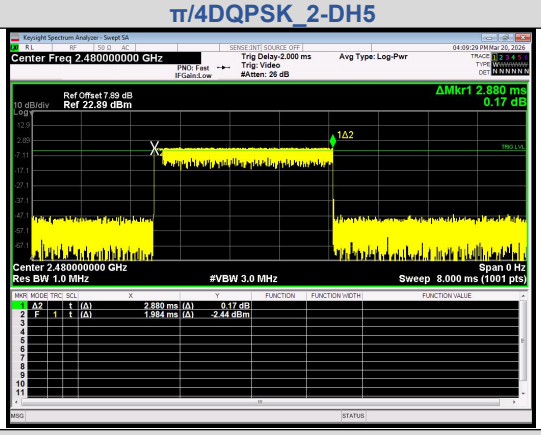
Number of Pulses in 31.6 seconds
π/4DQPSK_2-DH5



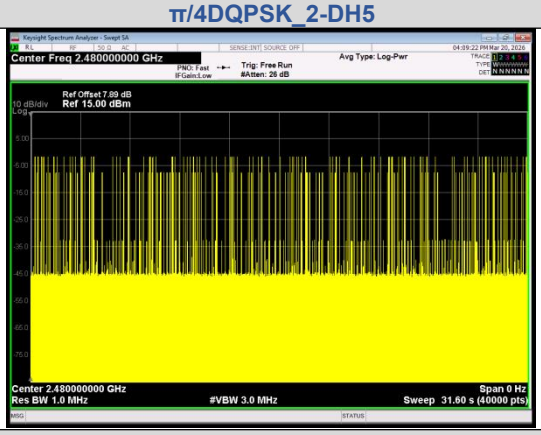
Pulse Width
π/4DQPSK_2-DH5



Number of Pulses in 31.6 seconds
π/4DQPSK_2-DH5

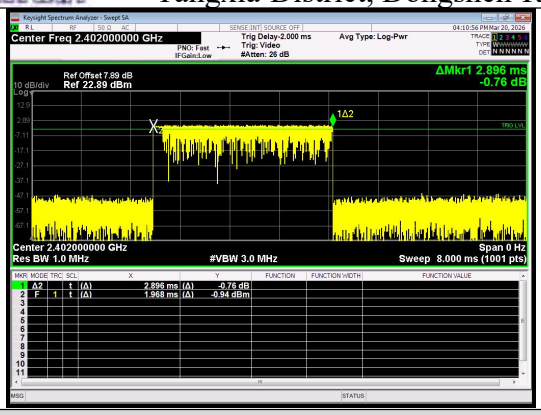


Pulse Width
π/4DQPSK_2-DH5



Number of Pulses in 31.6 seconds
π/4DQPSK_2-DH5

Keyway Testing Technology (Guangdong) Co., Ltd
21/F.,Building 6, Dongyi Intelligent Equipment New Energy Vehicle Park,No.30, Tangxia District, Dongshen Road,Tangxia, Dongguan, Guangdong, China

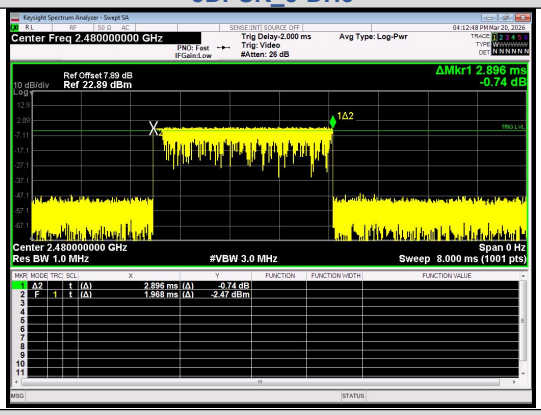


Pulse Width
8DPSK_3-DH5

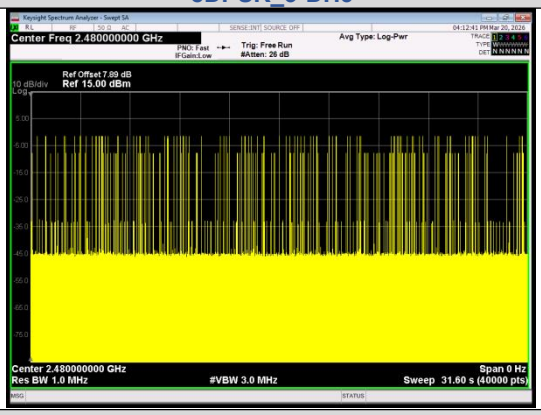
Number of Pulses in 31.6 seconds
8DPSK_3-DH5

Pulse Width
8DPSK_3-DH5

Number of Pulses in 31.6 seconds
8DPSK_3-DH5



Pulse Width
8DPSK_3-DH5



Number of Pulses in 31.6 seconds
8DPSK_3-DH5

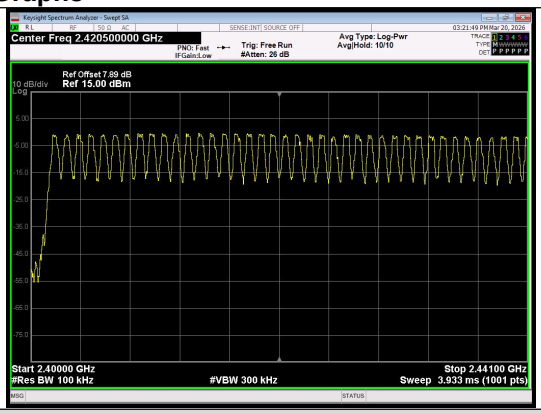
Keyway Testing Technology (Guangdong) Co., Ltd
21/F.,Building 6, Dongyi Intelligent Equipment New Energy Vehicle Park,No.30,
Tangxia District, Dongshen Road,Tangxia, Dongguan, Guangdong, China

A.2 NUMBER OF HOPPING CHANNEL

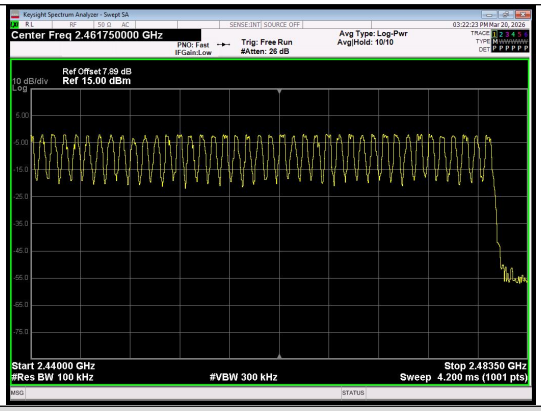
Test Result

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

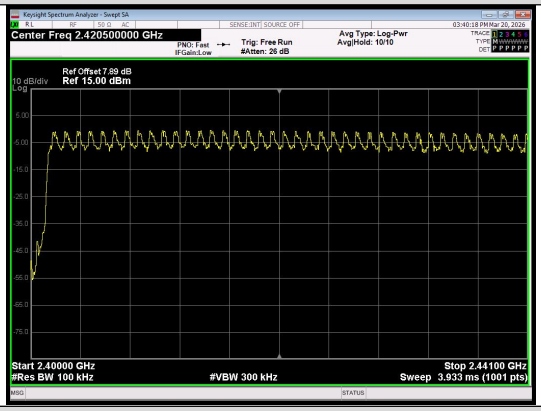
Test Graphs



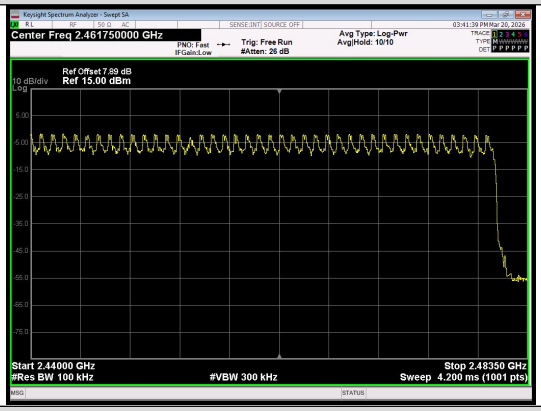
Low End Spectrum Channel Hopping Plot
GFSK



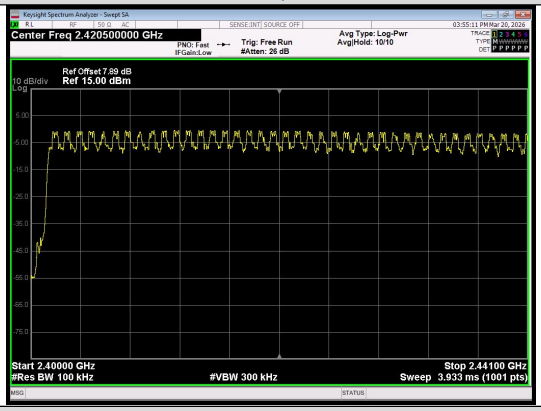
High End Spectrum Channel Hopping Plot
GFSK



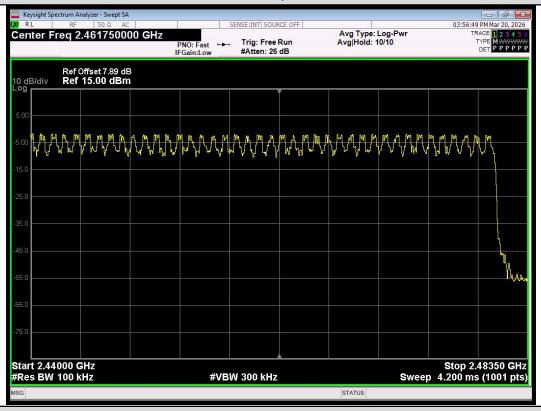
Low End Spectrum Channel Hopping Plot
π/4DQPSK



High End Spectrum Channel Hopping Plot
π/4DQPSK



Low End Spectrum Channel Hopping Plot
8DPSK



High End Spectrum Channel Hopping Plot
8DPSK

Keyway Testing Technology (Guangdong) Co., Ltd
21/F.,Building 6, Dongyi Intelligent Equipment New Energy Vehicle Park,No.30,
Tangxia District, Dongshen Road,Tangxia, Dongguan, Guangdong, China

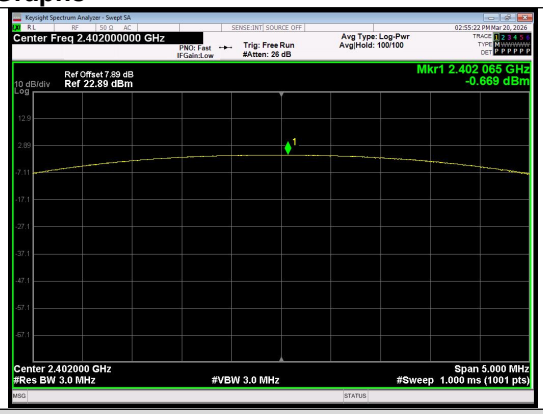
A.3 MAXIMUM PEAK OUTPUT POWER TEST (EIRP)

Test Result

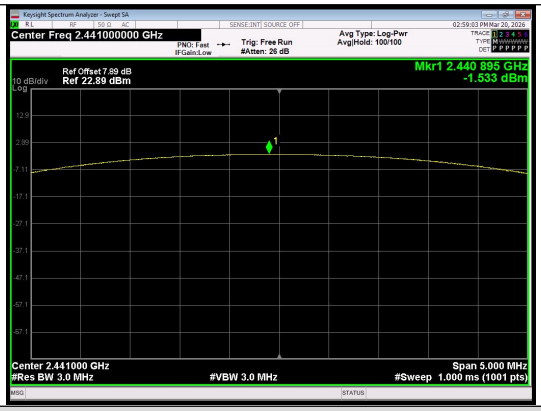
Modulation	Packet Type	Channel	Peak Output Power (dBm)	Peak Power Limit (dBm)	Gain (dBm)	ISED EIRP (dBm)	ISED EIRP Limit (dBm)	Result
GFSK	DH1	0	-0.67	≤21	-0.58	-1.25	≤36.02	PASS
		39	-1.53	≤21	-0.58	2.11	≤36.02	PASS
		78	-2.16	≤21	-0.58	-2.74	≤36.02	PASS
π/4DQPSK	2-DH1	0	0.08	≤21	-0.58	-0.50	≤36.02	PASS
		39	-0.94	≤21	-0.58	-1.52	≤36.02	PASS
		78	-1.47	≤21	-0.58	-2.05	≤36.02	PASS
8DPSK	3-DH1	0	0.61	≤21	-0.58	0.03	≤36.02	PASS
		39	-0.28	≤21	-0.58	-0.86	≤36.02	PASS
		78	-0.83	≤21	-0.58	-1.41	≤36.02	PASS

Note: ISED EIRP (dBm) =Peak Output Power (dBm) + Gain (dBi)

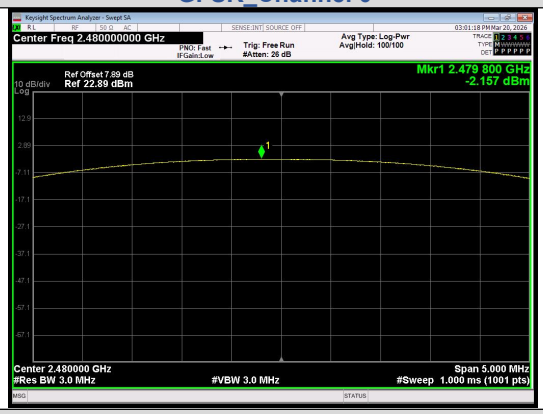
Test Graphs



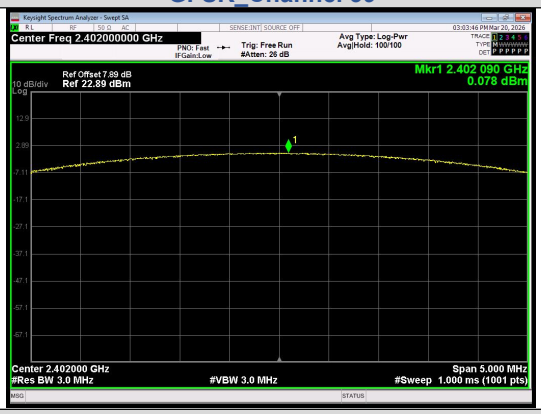
Peak Output Power
GFSK_Channel 0



Peak Output Power
GFSK_Channel 39

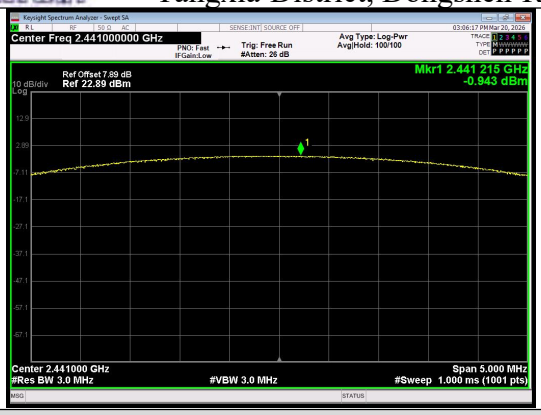


Peak Output Power
GFSK_Channel 78

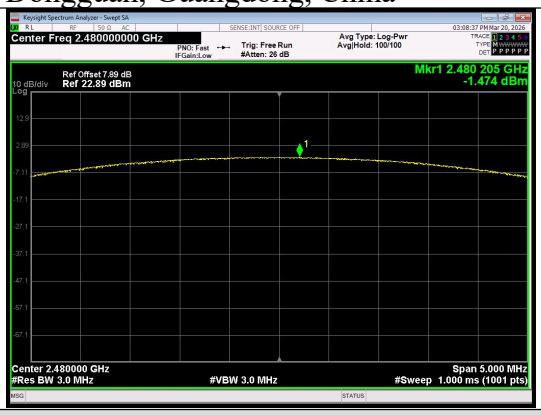


Peak Output Power
π/4DQPSK_Channel 0

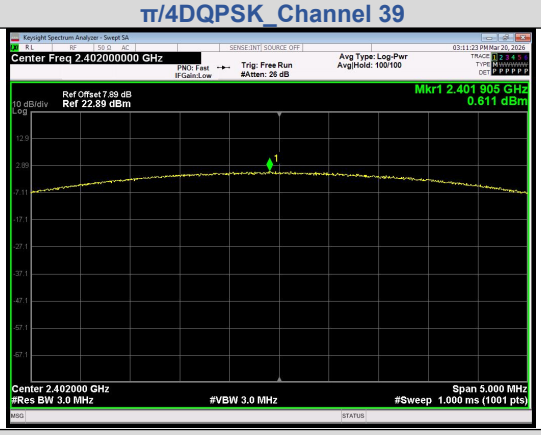
Keyway Testing Technology (Guangdong) Co., Ltd
21/F.,Building 6, Dongyi Intelligent Equipment New Energy Vehicle Park,No.30, Tangxia District, Dongshen Road,Tangxia, Dongguan, Guangdong, China



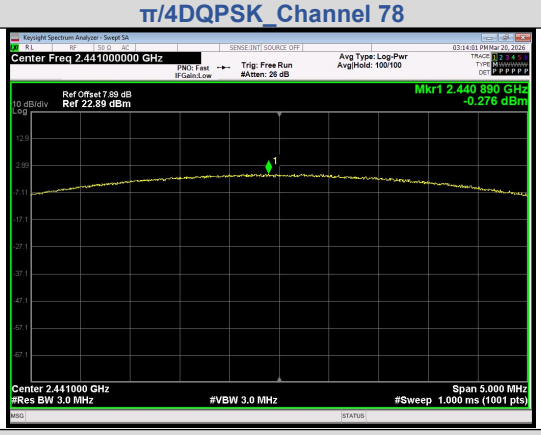
Peak Output Power
π/4DQPSK_Channel 39



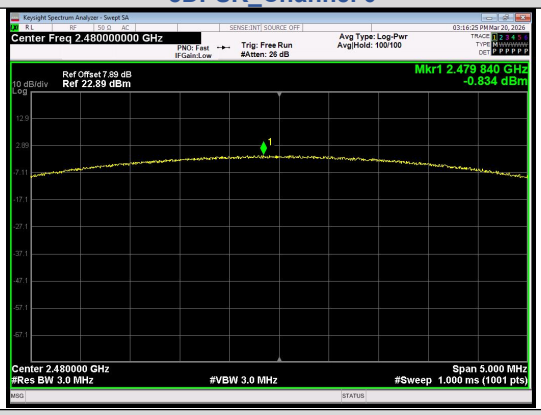
Peak Output Power
π/4DQPSK_Channel 78



Peak Output Power
8DPSK_Channel 0



Peak Output Power
8DPSK_Channel 39



Peak Output Power
8DPSK_Channel 78

Keyway Testing Technology (Guangdong) Co., Ltd
21/F.,Building 6, Dongyi Intelligent Equipment New Energy Vehicle Park,No.30,
Tangxia District, Dongshen Road,Tangxia, Dongguan, Guangdong, China

A.4 99% BANDWIDTH

Test Result

Modulation	Channel	Center Frequency (MHz)	99% BW (MHz)
GFSK	0	2402	0.84984
	39	2441	0.87242
	78	2480	0.86960
π/4DQPSK	0	2402	1.1626
	39	2441	1.1677
	78	2480	1.1696
8DPSK	0	2402	1.1534
	39	2441	1.1492
	78	2480	1.1485

Test Graphs

GFSK_DH1_Channel 0

π/4DQPSK_2-DH1_Channel 0

GFSK_DH1_Channel 39

π/4DQPSK_2-DH1_Channel 39

GFSK_DH1_Channel 78

π/4DQPSK_2-DH1_Channel 78