



Keyway Testing Technology (Guangdong) Co., Ltd
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

RF Conducted Test - appendix III (2.4G)_Test data.

E.U.T:	Record Player
Model Number:	HP-H2508
Sample ID	33000278808
Sample(s) Status:	Engineer sample
Date of Receipt:	2026.07.01
Date of Test:	2026.07.06 ~ 2026.07.08
FCC ID:	2BFHV-HP-2508
Report No.	2026052158926864-00
Tester	Hugh Zhang



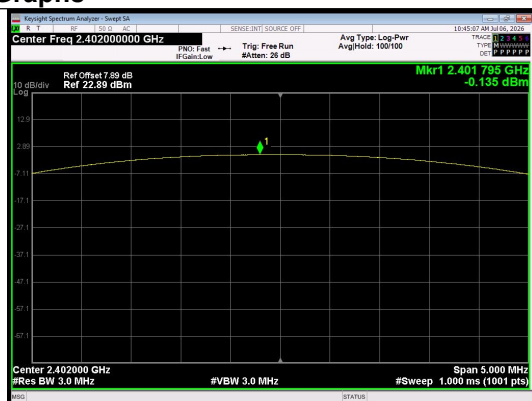
Keyway Testing Technology (Guangdong) Co., Ltd
Room 2102, Building 6, Dongyi Intelligent Equipment New Energy Vehicle Park, No.30 of
Tangxia District, Dongshen Road, Tangxia Town, Dongguan, 523710, People's Republic of China

A.1 CONDUCTED OUTPUT POWER

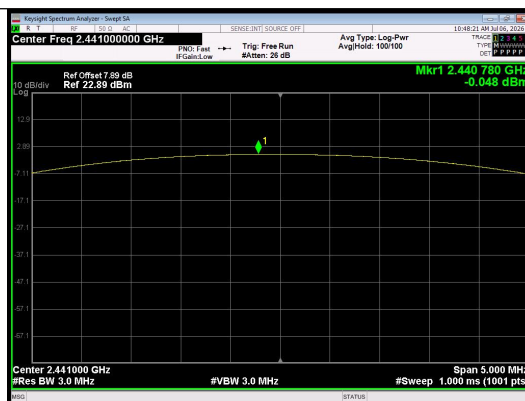
Test Result

Modulation	Channel	Peak Output Power (dBm)	Peak Output Power (mW)	Max. Avg. Power (dBm)	Limit	Result
GFSK	0	-0.14	0.97	None	0.125w	PASS
	39	-0.05	0.99	None		PASS
	78	0.49	1.12	None		PASS

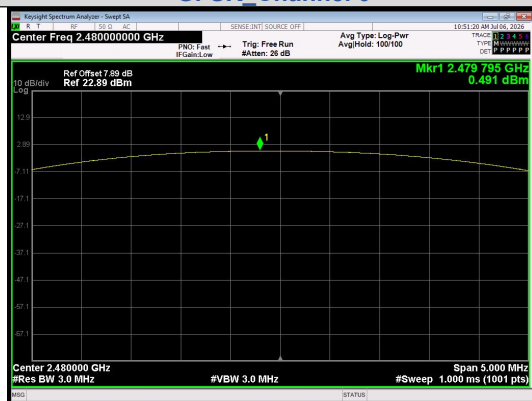
Test Graphs



Peak Output Power
GFSK_Channel 0



Peak Output Power
GFSK_Channel 39



Peak Output Power
GFSK_Channel 78



Keyway Testing Technology (Guangdong) Co., Ltd
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.2 99% BANDWIDTH

Test Result

Modulation	Channel	Center Frequency (MHz)	99% BW (MHz)
GFSK	0	2402	0.83674
	39	2441	0.85205
	78	2480	0.84446

Test Graphs





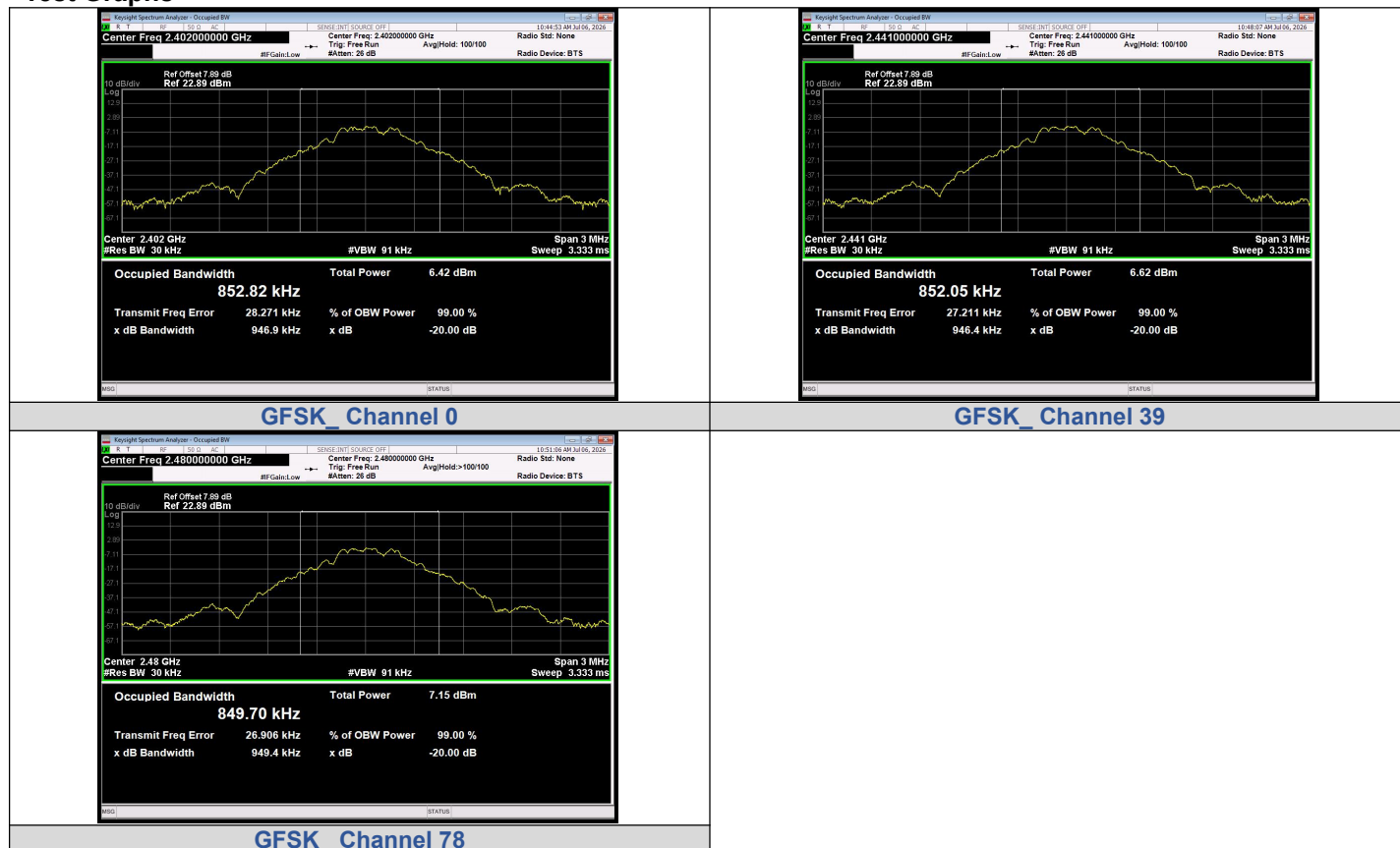
Keyway Testing Technology (Guangdong) Co., Ltd
Room 2102, Building 6, Dongyi Intelligent Equipment New Energy Vehicle Park, No.30 of
Tangxia District, Dongshen Road, Tangxia Town, Dongguan, 523710, People's Republic of China

A.3 20DB BANDWIDTH

Test Result

Modulation	Channel	Center Frequency (MHz)	20 dB Bandwidth (MHz)
GFSK	0	2402 MHz	0.9469
	39	2441 MHz	0.9464
	78	2480 MHz	0.9494

Test Graphs





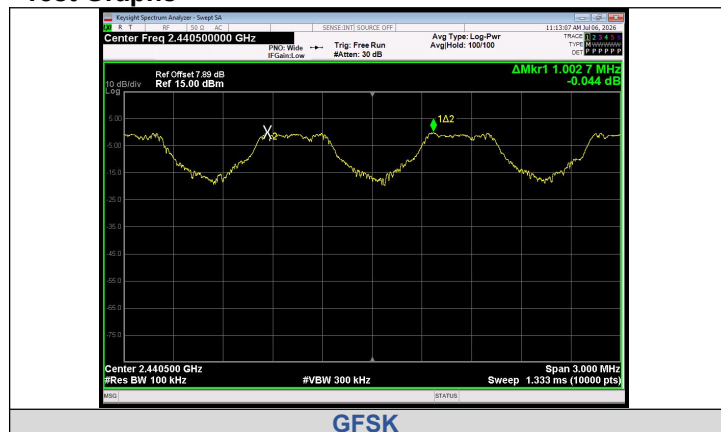
Keyway Testing Technology (Guangdong) Co., Ltd
Room 2102, Building 6, Dongyi Intelligent Equipment New Energy Vehicle Park, No.30 of
Tangxia District, Dongshen Road, Tangxia Town, Dongguan, 523710, People's Republic of China

A.4 CARRIER FREQUENCIES SEPARATION

Test Result

Modulation	Left Center frequency (MHz)	Right Center frequency (MHz)	Hopping Frequency Separation (MHz)	Minimum Limit (MHz)	Result
GFSK	2439.8656	2440.8683	1.0027	0.949	PASS

Test Graphs





Keyway Testing Technology (Guangdong) Co., Ltd
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.5 CONDUCTED SPURIOUS & BAND EDGE EMISSION

Test Result
Non-Hopping

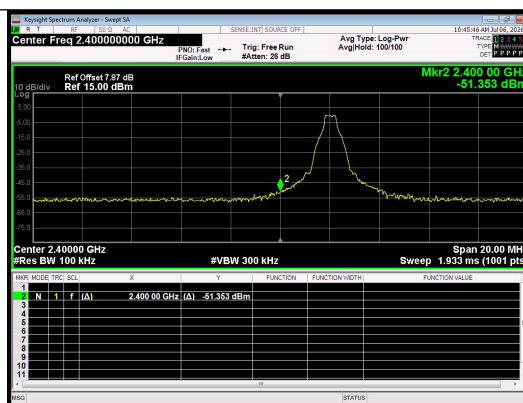
Modulation	Channel	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result
GFSK	0	2400.00	-51.353	-20.26	-31.093	PASS
		4804.26	-56.556	-20.26	-36.296	PASS
		7206.38	-67.920	-20.26	-47.660	PASS
		9607.87	-68.316	-20.26	-48.055	PASS
		23687.8	-55.499	-20.26	-35.239	PASS
	39	4882.30	-54.871	-20.17	-34.701	PASS
		7323.74	-67.002	-20.17	-46.832	PASS
		9763.31	-68.675	-20.17	-48.505	PASS
	78	2483.50	-55.957	-19.61	-36.347	PASS
		4959.70	-50.306	-19.61	-30.696	PASS
		7439.22	-68.911	-19.61	-49.301	PASS
		9919.99	-67.896	-19.61	-48.286	PASS

Note: input compensation coefficient (dB)= Cable Loss (dB)

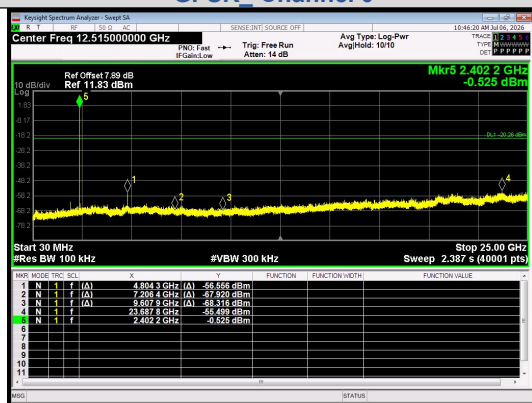
Test Graphs



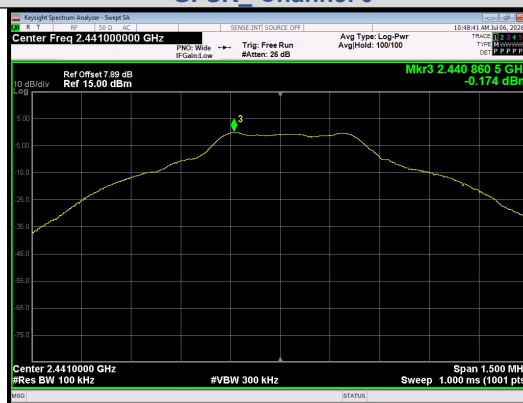
In-Band Reference Level
GFSK_Channel 0



Out Of Band Emission
GFSK_Channel 0



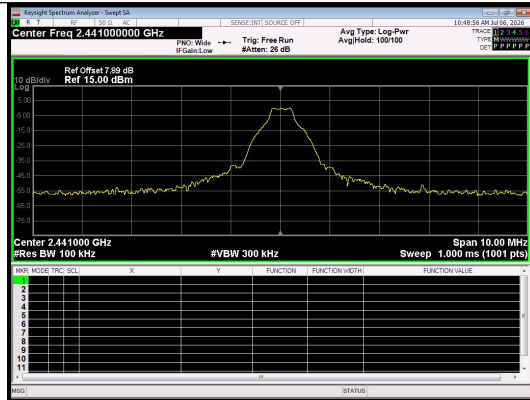
30.0 MHz - 25000.0 MHz
GFSK_Channel 0



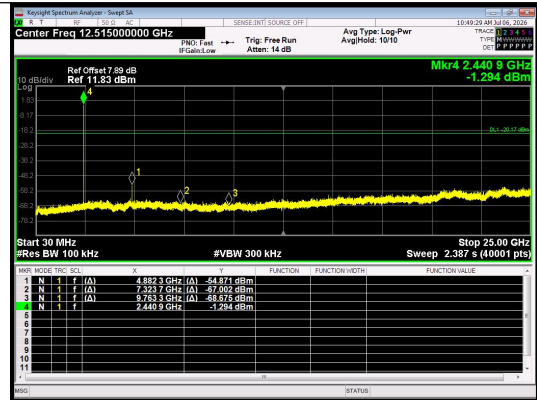
In-Band Reference Level
GFSK_Channel 39



Keyway Testing Technology (Guangdong) Co., Ltd
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



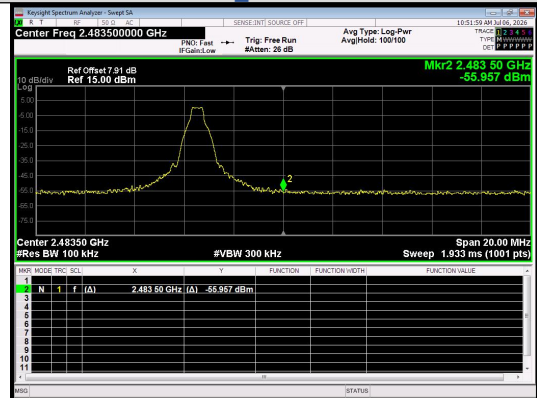
Out Of Band Emission
GFSK_Channel 39



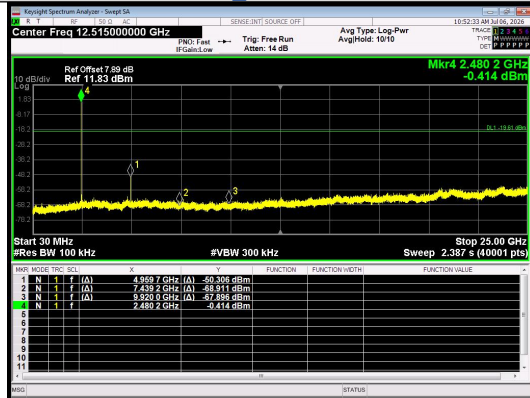
30.0 MHz - 25000.0 MHz
GFSK_Channel 39



In-Band Reference Level
GFSK_Channel 78



Out Of Band Emission
GFSK_Channel 78



30.0 MHz - 25000.0 MHz
GFSK_Channel 78



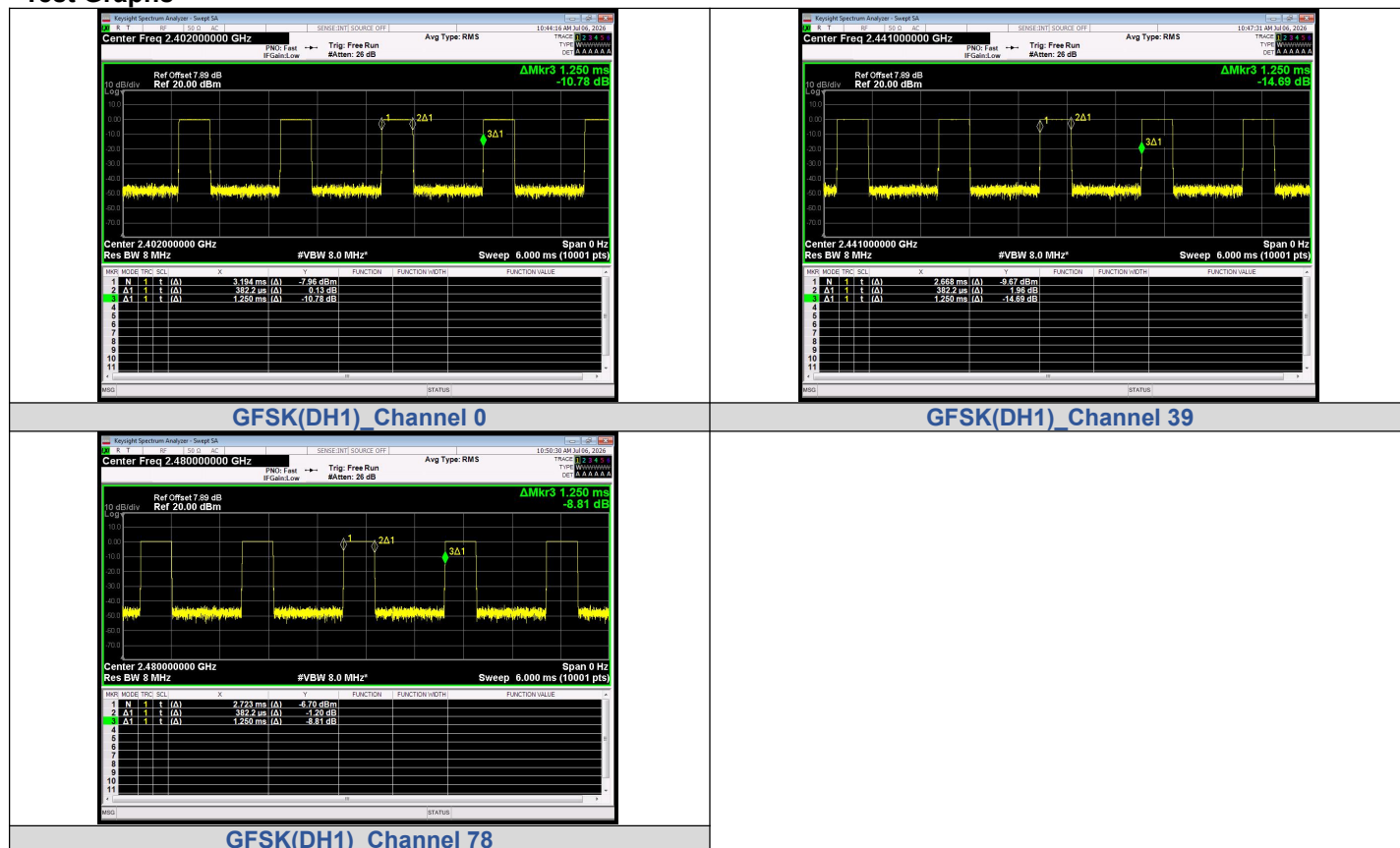
Keyway Testing Technology (Guangdong) Co., Ltd
Room 2102, Building 6, Dongyi Intelligent Equipment New Energy Vehicle Park, No.30 of
Tangxia District, Dongshen Road, Tangxia Town, Dongguan, 523710, People's Republic of China

A.6 DUTY CYCLE

Test Result

Modulation	Channel	On Time (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle (linear)	Duty Cycle Factor (dB)	1/T
GFSK	0	0.382	1.250	30.56	0.3056	5.1485	2.6178
	39	0.382	1.250	30.56	0.3056	5.1485	2.6178
	78	0.382	1.250	30.56	0.3056	5.1485	2.6178

Test Graphs





Keyway Testing Technology (Guangdong) Co., Ltd
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

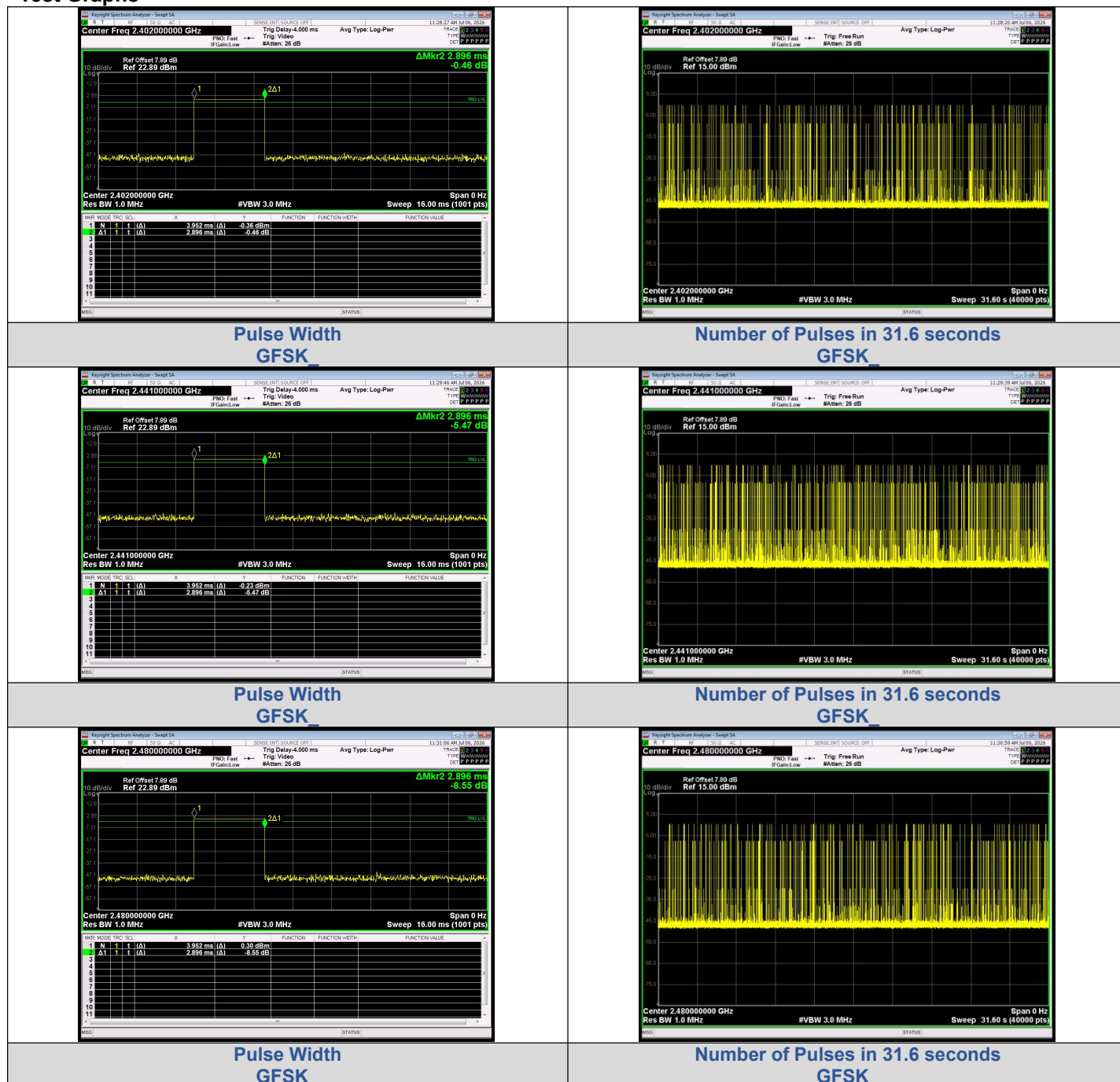
A.7 DWELL TIME

Test Result

Modulation	Channel	Pulse Width (ms)	Number of Pulses in 31.6 seconds	Dwell Time (ms)	Limit (ms)	Result
GFSK	Hopping	2.896	105	304.08	< 400	PASS
		2.896	112	324.35		PASS
		2.896	104	301.18		PASS

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

Test Graphs





Keyway Testing Technology (Guangdong) Co., Ltd
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	Number of Hopping Channel	Limit	Result
GFSK	79	15	PASS

Test Graphs

