



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

E.U.T:	Death From Above, DFA
Model Number:	PL5589
Trade Name:	SKAA
Sample Number:	33000255439
Date of Receipt:	Oct. 10, 2025
Date of Test:	Oct. 10 ~ Dec. 19, 2025
FCC ID:	OP5PL5589
IC:	3534A-PL5589

A.1 CONDUCTED OUTPUT POWER

Test Result

Modulation	Channel	Peak Output Power (dBm)	Peak Output Power (mW)	Max. Avg. Power (dBm)	Limit (dBm)	Result
FSK	0	12.31	17.01	None	30	PASS
	24	13.05	20.17	None		PASS
	48	12.91	19.53	None		PASS

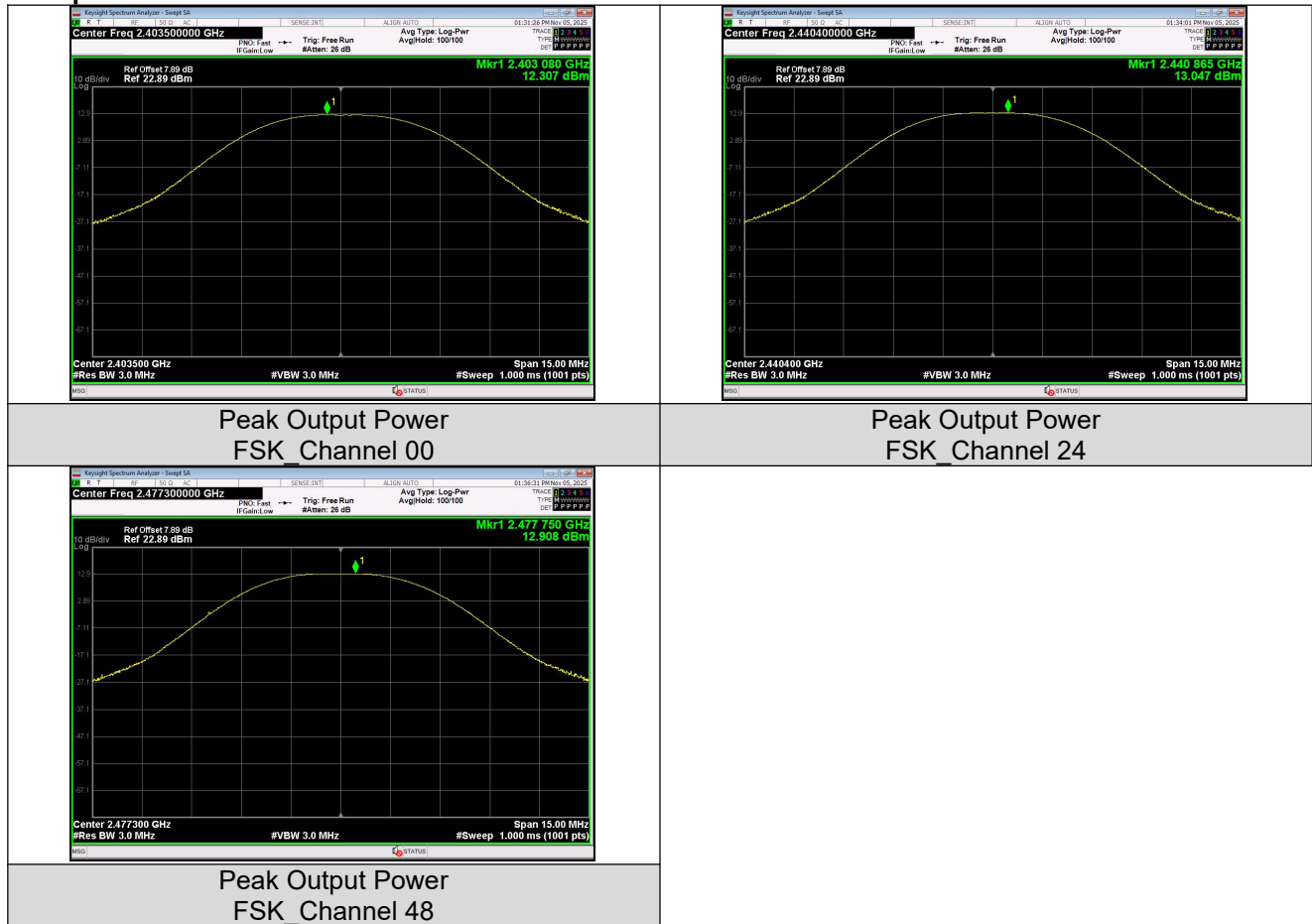
Modulation	Channel	Peak Output Power (dBm)	Peak Power Limit (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP Limit (dBm)	Max. Avg. Power (dBm)	Result
FSK	0	12.31	≤ 30	2.41	14.72	36.02	None	PASS
	24	13.05	≤ 30	2.41	15.46	36.02	None	PASS
	48	12.91	≤ 30	2.41	15.32	36.02	None	PASS

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



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Test Graphs





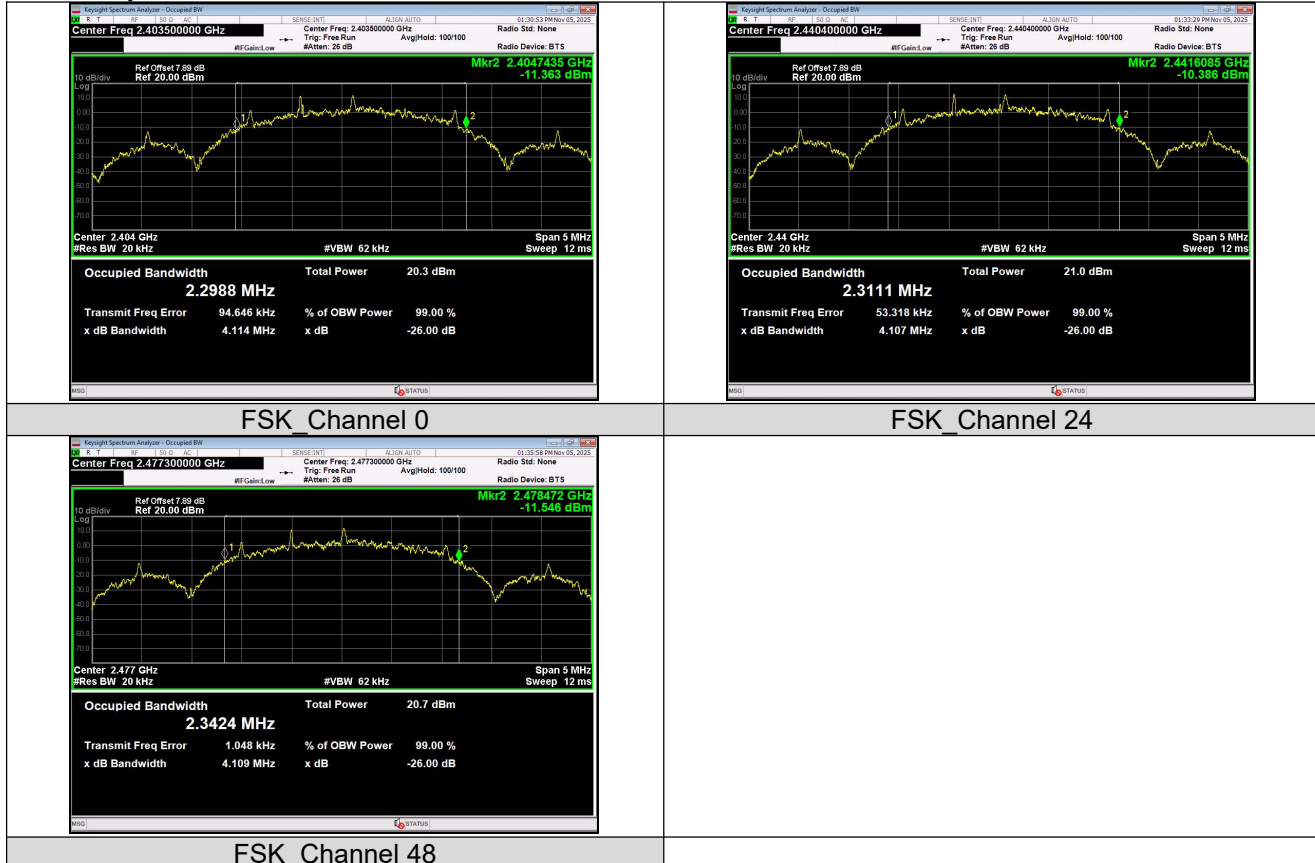
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A.2 99% BANDWIDTH

Test Result

Modulation	Channel	99% BW (MHz)
FSK	00	2.2988
	24	2.3111
	48	2.3424

Test Graphs





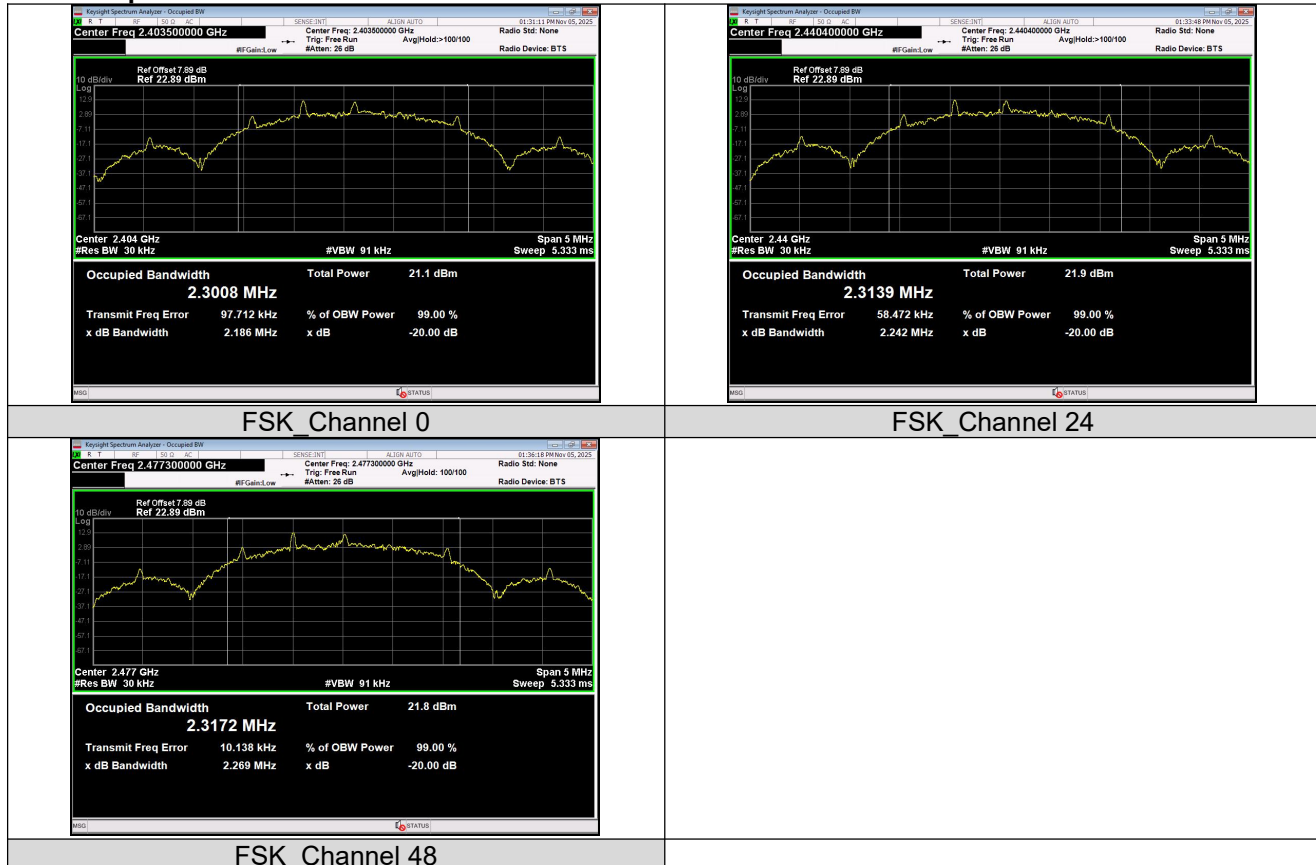
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A.3 20DB BANDWIDTH

Test Result

Modulation	Channel	20 dB Bandwidth (MHz)
FSK	00	2.186
	24	2.242
	48	2.269

Test Graphs





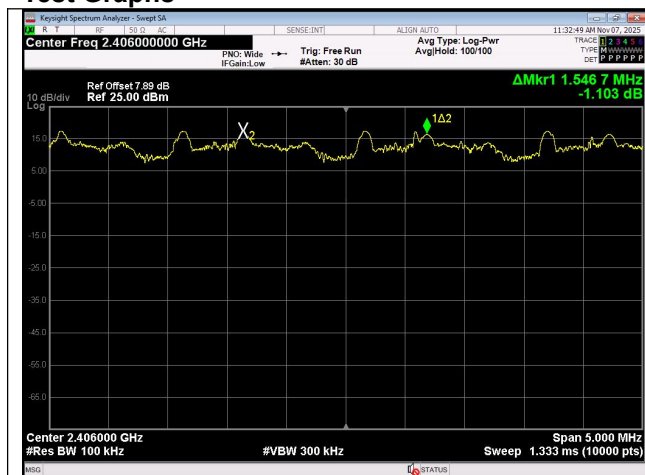
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A.4 CARRIER FREQUENCIES SEPARATION

Test Result

Modulation	Channel	Separation (MHz)	Limit(MHz)	Result
FSK	0	1.5467	1.501	PASS
FSK	24	1.5342	1.489	PASS
FSK	48	1.5301	1.459	PASS

Test Graphs



FSK_Channel 0



FSK_Channel 24



FSK_Channel 48



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A.5 100KHZ BANDWIDTH OF FREQUENCY BAND EDGE REQUIREMENT

Test Result

Non-Hopping

Modulation	Channel	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result
FSK	0	2397.20	-35.864	-12.55	-23.388	PASS
		2398.50	-30.795	-12.55	-29.565	PASS
		2400.00	-34.629	-12.55	-32.255	PASS
	24	21561.5	-42.182	-11.99	-36.859	PASS
		2483.50	-33.640	-12.64	-30.804	PASS
		21141.4	-41.504	-12.64	-36.100	PASS

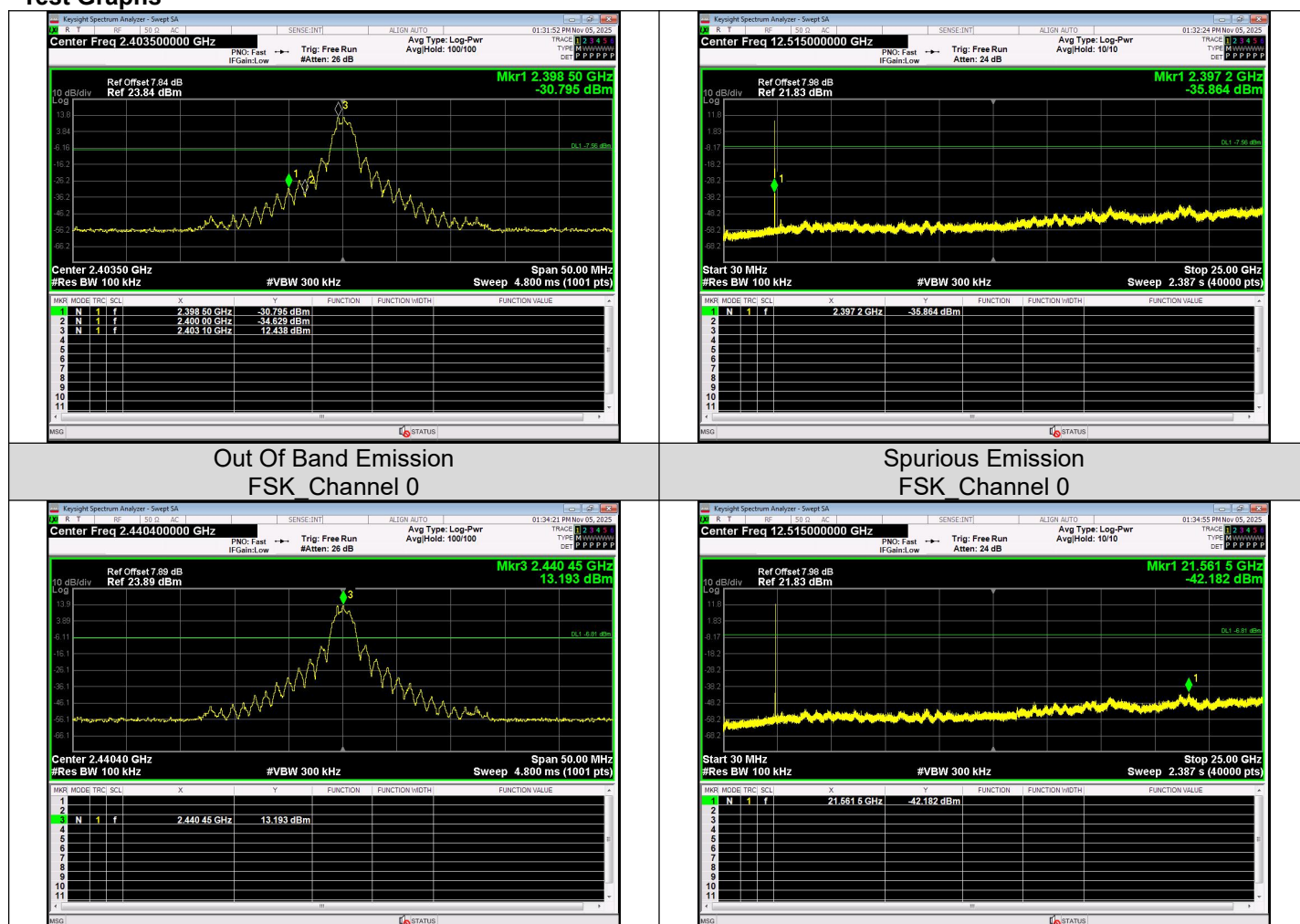
Note: input compensation coefficient (dB)= Cable Loss (dB)

Hopping

Modulation	Channel	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result
FSK	Hopping	2400.00	-31.876	-12.03	-23.702	PASS
		2483.50	-34.696	-12.57	-31.821	PASS

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

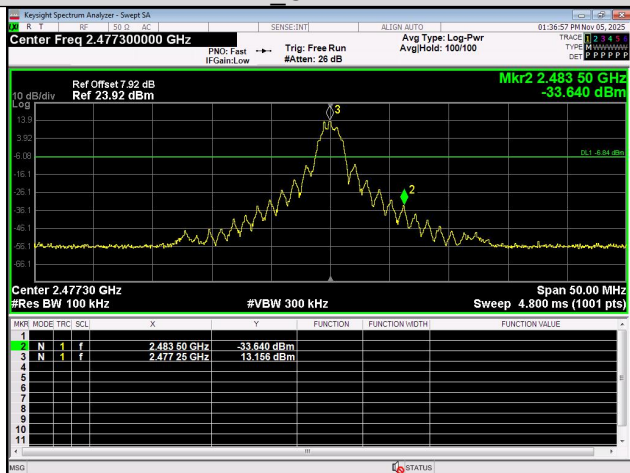
Test Graphs





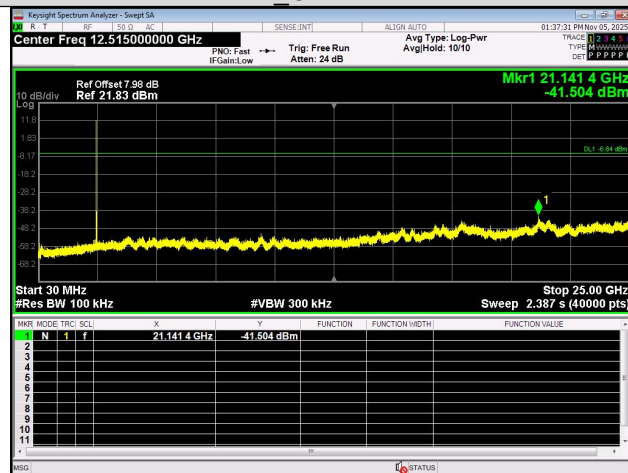
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Out Of Band Emission
FSK Channel 24

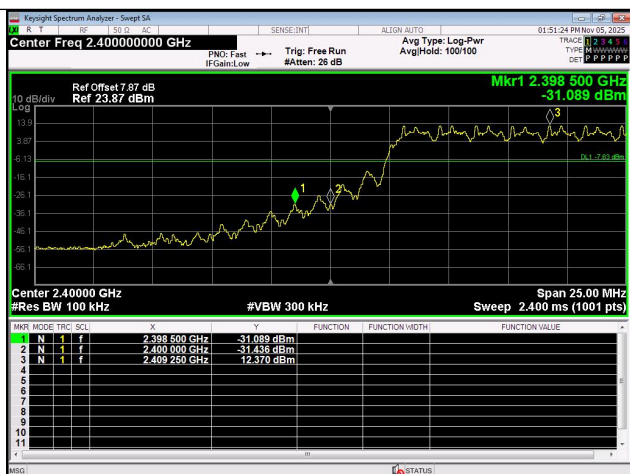


Out Of Band Emission
FSK Channel 48

Spurious Emissions
FSK Channel 24



Spurious Emission
FSK Channel 48



Out Of Band Emission(Left)
FSK Channel Hopping



Out Of Band Emission(Right)
FSK Channel Hopping



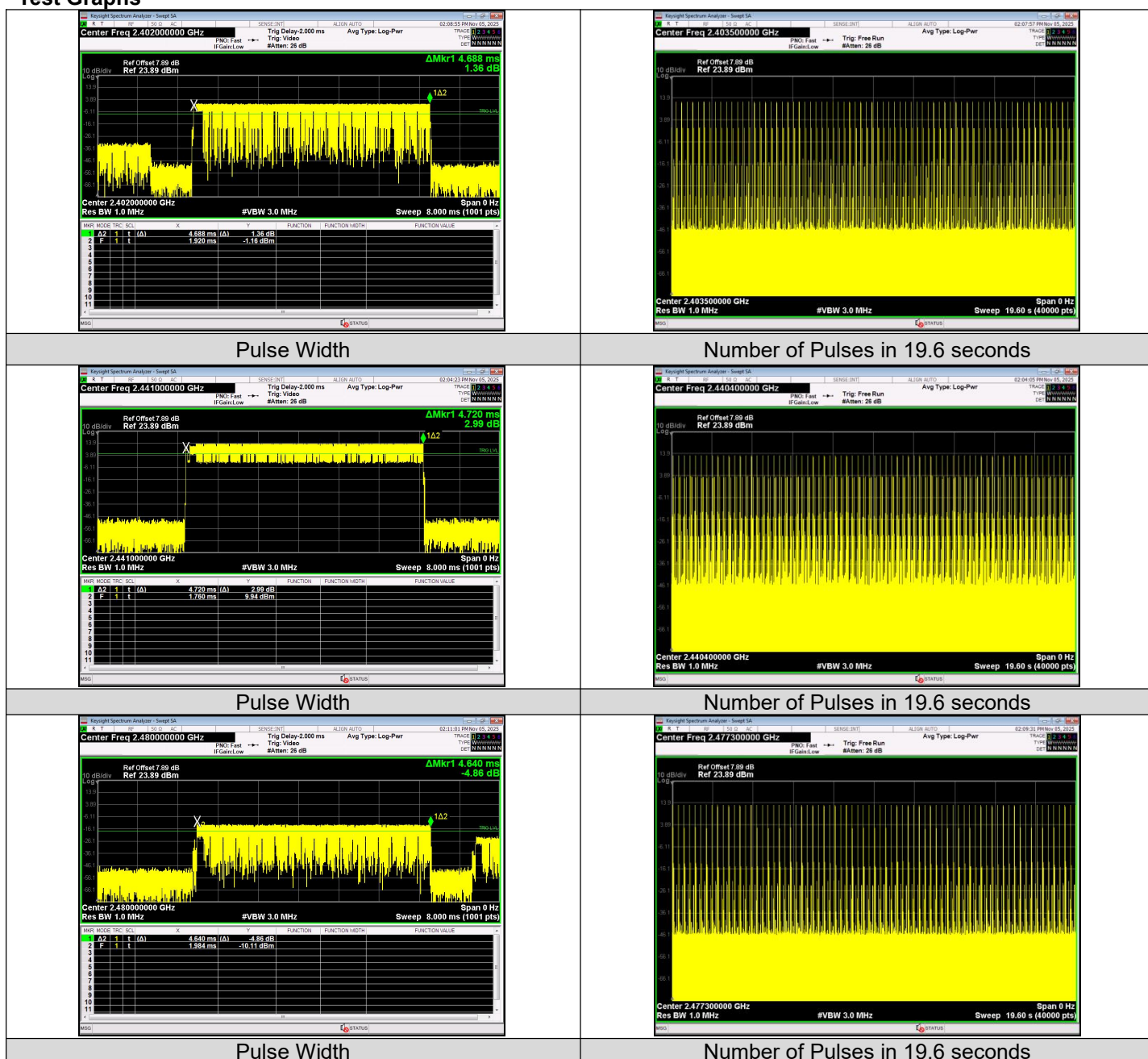
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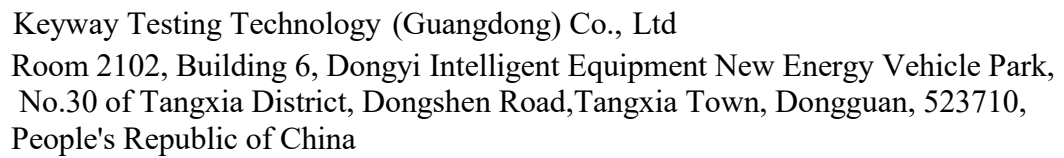
A.6 DWELL TIME

Test Result

Modulation	Channel	Pulse Width (ms)	Number of Pulses in 19.6 seconds	Dwell Time (ms)	Limit (ms)	Result
FSK	CH0 (2403.5MHz)	4.641	72	337.54	< 400	PASS
	CH24 (2440.4MHz)	4.720	84	339.84		PASS
	CH48 (2477.3MHz)	4.640	72	338.72		PASS

Test Graphs





Test Result

Test Graphs

