



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:	Valerie Mk2
Model Number:	PL5588
Trade Name:	SKAA
Sample Number:	33000258635
Date of Receipt:	Dec. 17, 2025
Date of Test:	Dec. 18, 2025 ~ Jan. 22, 2026
FCC ID:	OP5PL5588
IC:	3534A-PL5588

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	Low	16.81	47.9733	None	21	PASS
	Mid	16.37	43.3511	None		PASS
	High	15.09	32.2849	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	Low	16.81	≤ 21	1.98	18.79	36	None	PASS
	Mid	16.37	≤ 21	1.98	18.35	36	None	PASS
	High	15.09	≤ 21	1.98	17.07	36	None	PASS

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



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A.2 99% BANDWIDTH

Test Result

Modulation	Channel	99% BW (MHz)
FSK	Low	2.2110
	Mid	2.2099
	High	2.2118

Test Graphs





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A.3 20DB BANDWIDTH

Test Result

Modulation	Channel	20 dB Bandwidth (MHz)
FSK	Low	2.145
	Mid	2.156
	High	2.193

Test Graphs





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A.4 CARRIER FREQUENCIES SEPARATION

Test Result

Modulation	Channel	Separation (MHz)	Limit(MHz)	Result
FSK	Low	1.5387	1.430	PASS
FSK	Mid	1.5353	1.437	PASS
FSK	High	1.5347	1.462	PASS

Test Graphs



FSK_Low



FSK_Mid



FSK_High



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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	Low	2397.20	-36.641	-7.3	-29.341	PASS
		2400.00	-31.250	-7.3	-23.950	PASS
	Mid	21561.5	-43.368	-8.16	-35.208	PASS
		2483.50	-36.915	-8.6	-28.315	PASS
		21141.4	-40.574	-8.6	-31.974	PASS

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

Hopping

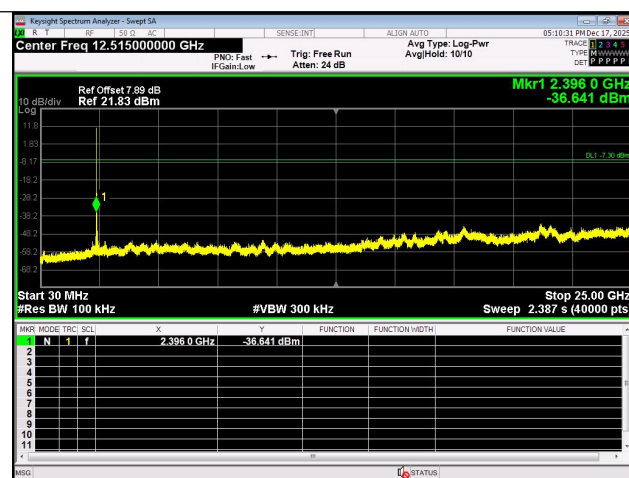
Modulation	Channel	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result
FSK	Hopping	2400.00	-37.467	-9.13	-28.337	PASS
		2483.50	-39.130	-10.63	-28.500	PASS

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

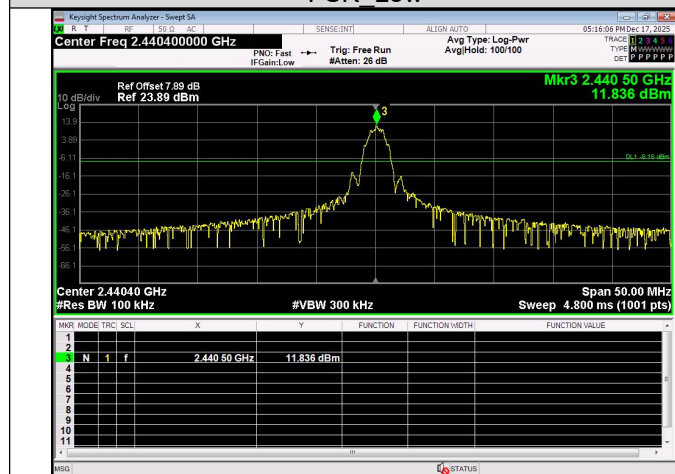
Test Graphs



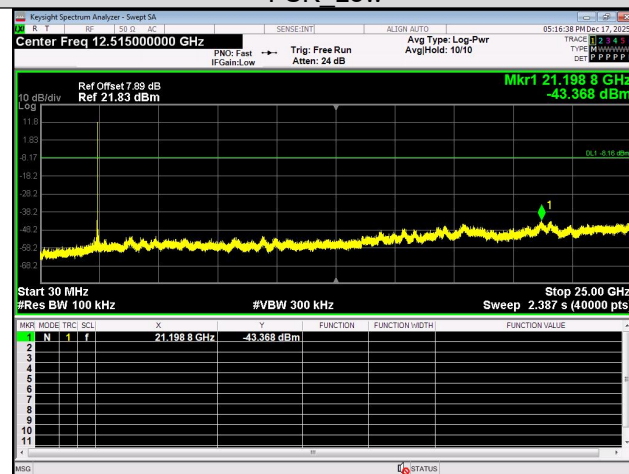
Out Of Band Emission
FSK Low



Spurious Emission
FSK Low



Out Of Band Emission

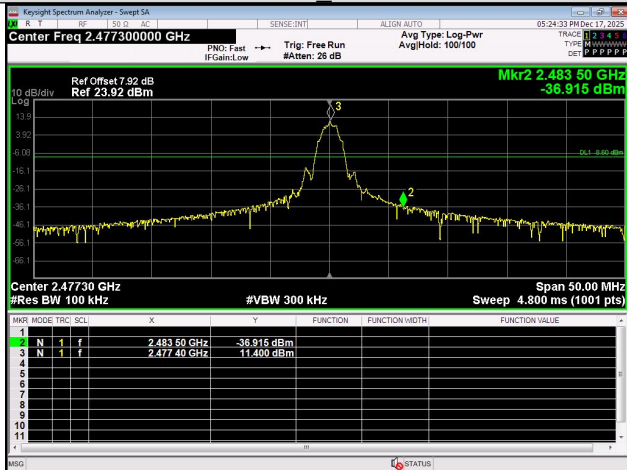


Spurious Emissions



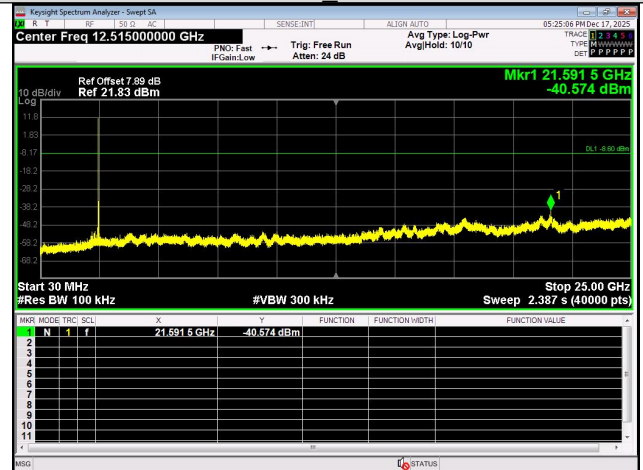
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FSK_Mid

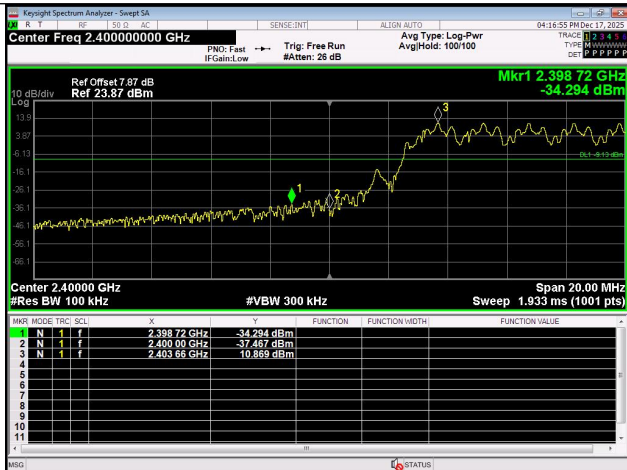


Out Of Band Emission
FSK_High

FSK_Mid



Spurious Emission
FSK_High



Out Of Band Emission(Left)
FSK_Channel Hopping



Out Of Band Emission(Right)
FSK_Channel Hopping



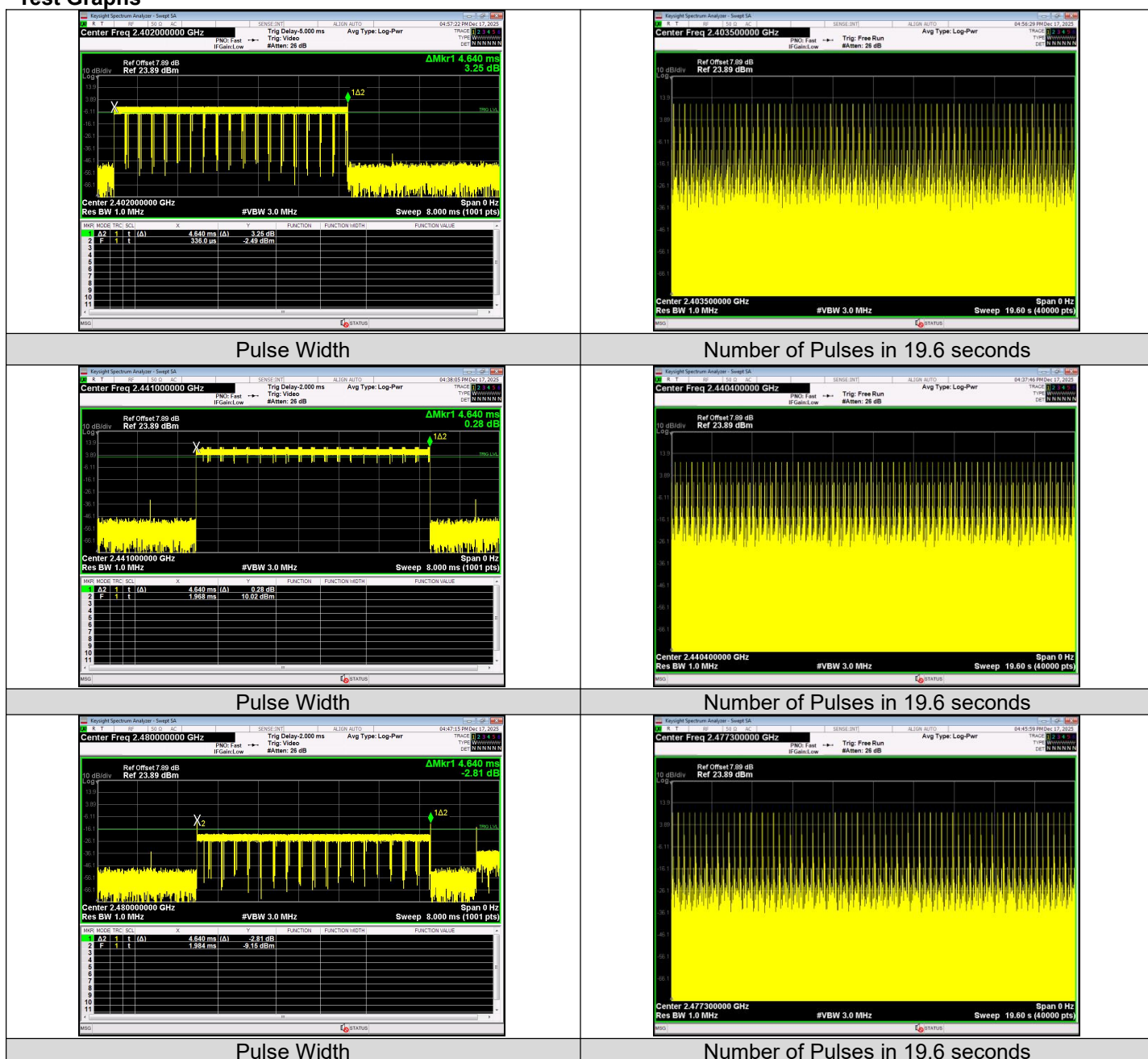
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A.6 DWELL TIME

Test Result

Modulation	Channel	Pulse Width (ms)	Number of Pulses in 19.6 seconds	Dwell Time (ms)	Limit (ms)	Result
FSK	Low	4.640	72	334.08	< 400	PASS
	Mid	4.640	84	334.08		PASS
	High	4.640	72	334.08		PASS

Test Graphs





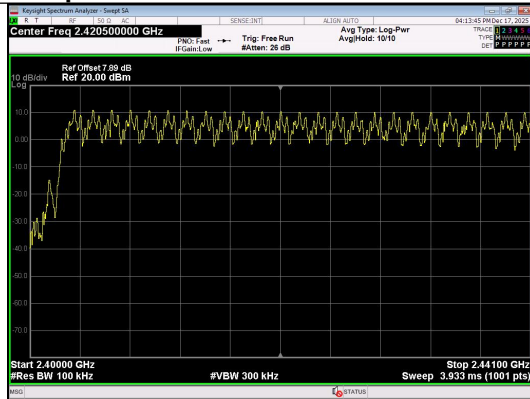
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A.7 NUMBER OF HOPPING CHANNEL

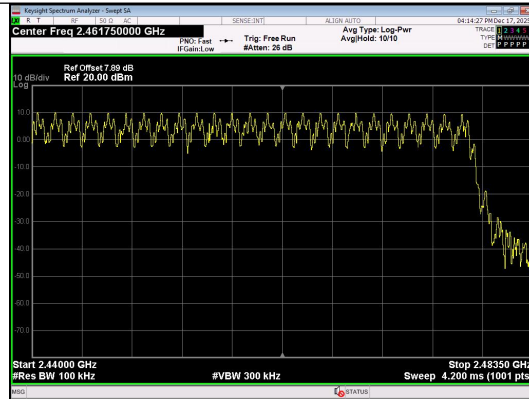
Test Result

Mode	Frequency (MHz)	Num of Hopping Frequencies		Verdict
		ANT1	Limit	
FSK	HOPPING	49	≥ 15	Pass

Test Graphs



Low End Spectrum Channel Hopping Plot
FSK



High End Spectrum Channel Hopping Plot
FSK