



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:	XB-Wireless Subwoofer
Model Number:	XB
Trade Name:	SKAA
Sample Number:	33000260977
Date of Receipt:	Jan. 05, 2026
Date of Test:	Jan. 08 ~ Apr. 24, 2026
FCC ID:	2BRDB-XB
IC:	34372-XB

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	10.54	11.32	None	21	PASS
	24	11.56	14.33	None		PASS
	48	13.57	22.77	None		PASS

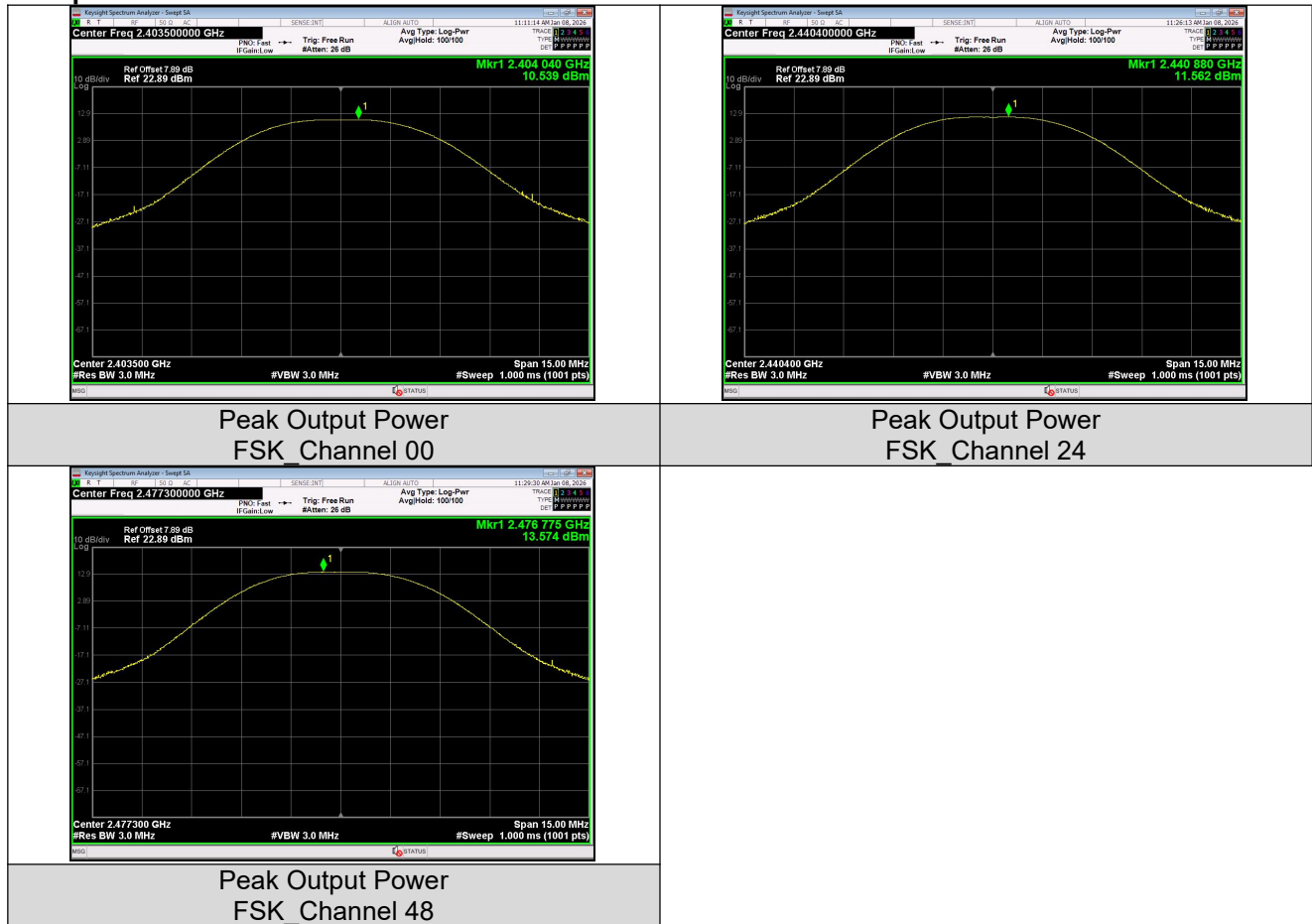
Modulation	Channel	Peak Output Power (dBm)	Peak Power Limit (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP Limit (dBm)	Max. Avg. Power (dBm)	Result
FSK	0	10.54	≤ 21	2.41	12.95	36	None	PASS
	24	11.56	≤ 21	2.41	13.97	36	None	PASS
	48	13.57	≤ 21	2.41	15.98	36	None	PASS

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



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Test Graphs





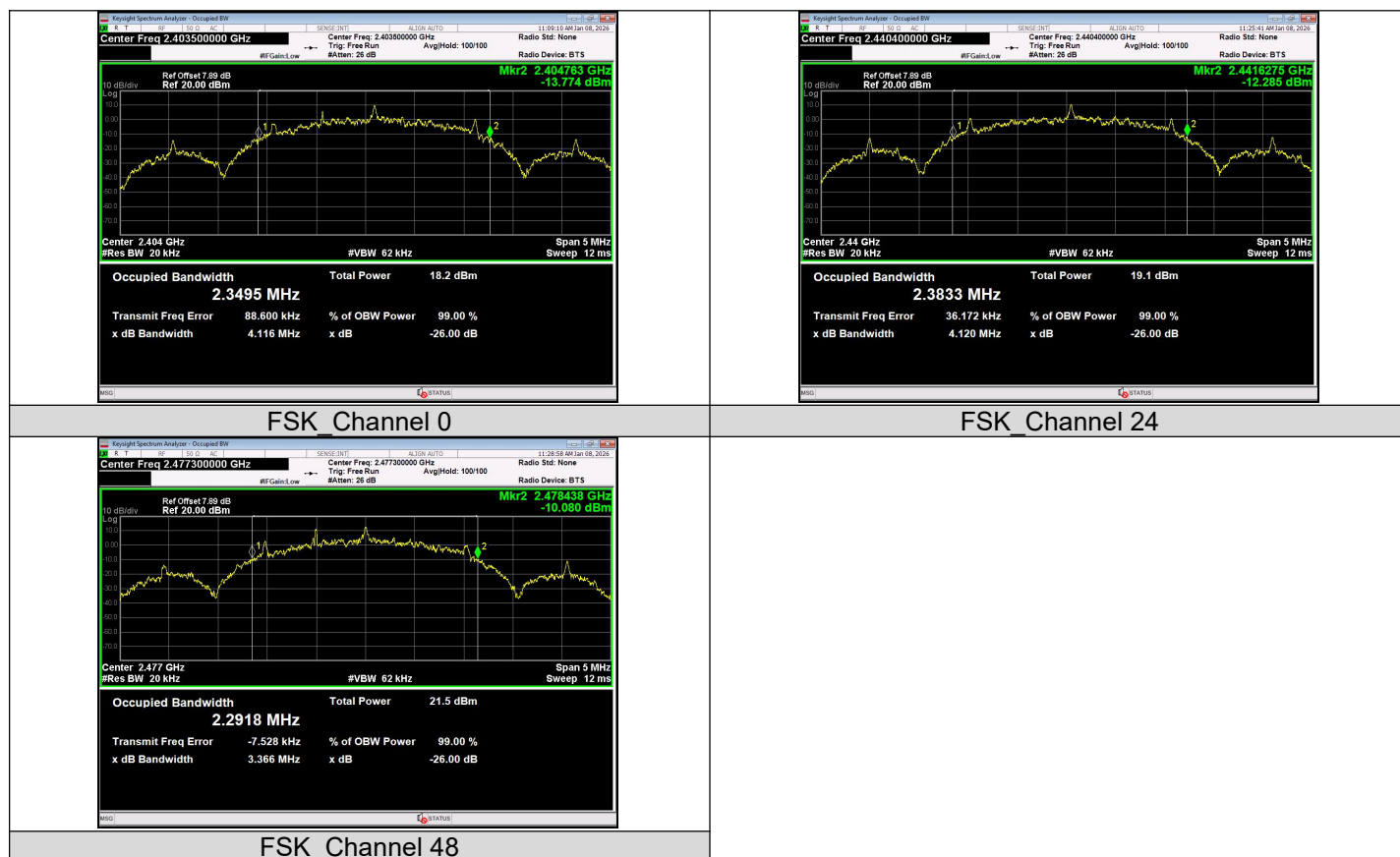
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A.2 99% BANDWIDTH

Test Result

Modulation	Channel	99% BW (MHz)
FSK	00	2.3495
	24	2.3833
	48	2.2918

Test Graphs





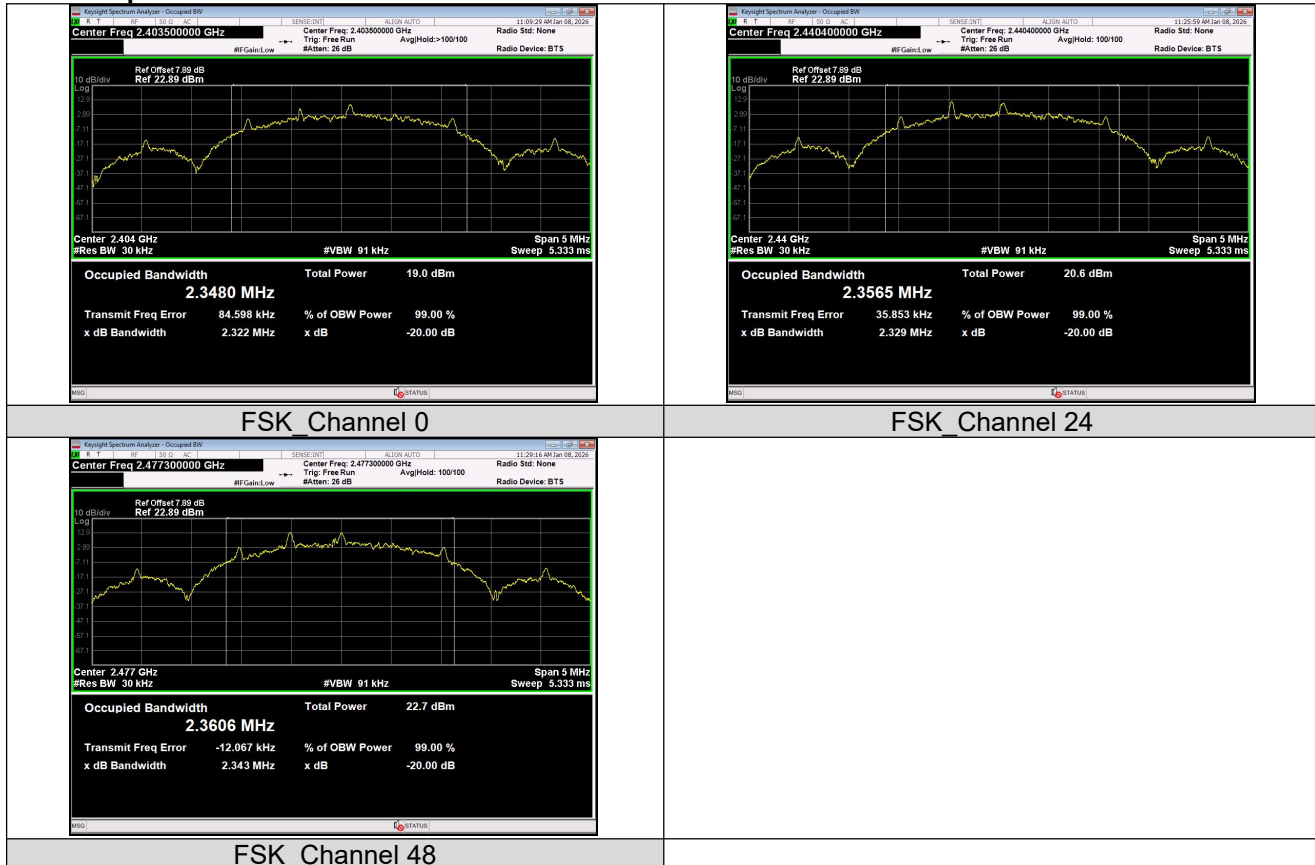
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A.3 20DB BANDWIDTH

Test Result

Modulation	Channel	20 dB Bandwidth (MHz)
FSK	00	2.322
	24	2.329
	48	2.343

Test Graphs





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A.4 CARRIER FREQUENCIES SEPARATION

Test Result

Modulation	Channel	Separation (MHz)	Limit(MHz)	Result
FSK	0	1.5542	1.548	PASS
FSK	24	1.5557	1.553	PASS
FSK	48	1.5717	1.562	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	-37.389	-9.47	-27.919	PASS
		2398.50	-32.570	-9.47	-23.100	PASS
		2400.00	-38.277	-9.47	-28.807	PASS
	24	21150.2	-42.693	-8.35	-34.343	PASS
		2483.50	-34.555	-6.24	-28.315	PASS
		21573.4	-42.987	-6.24	-36.747	PASS

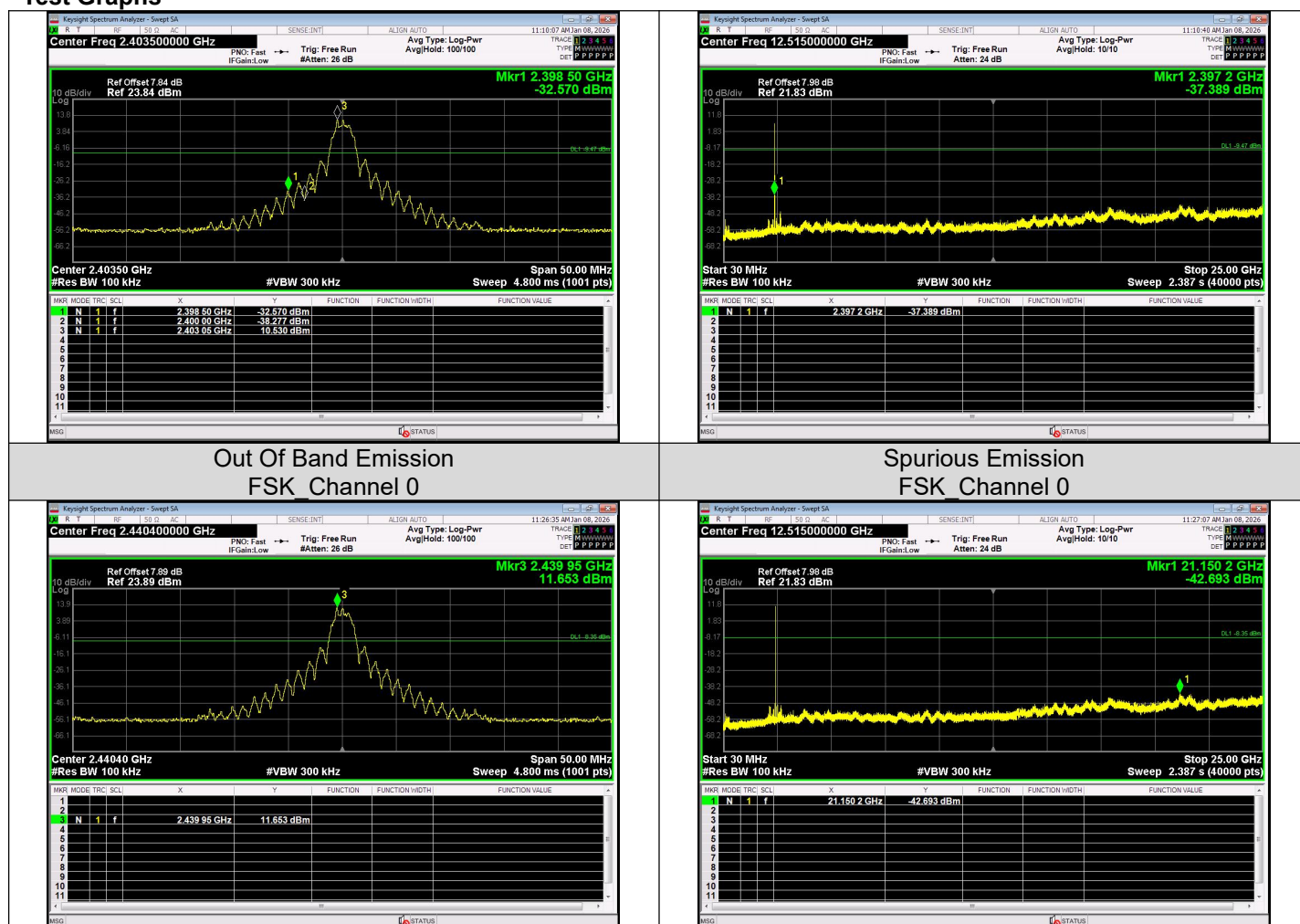
Note: input compensation coefficient (dB)= Cable Loss (dB)

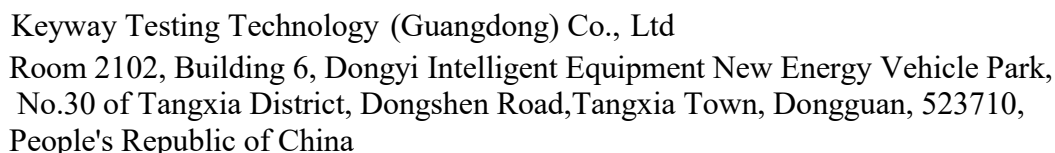
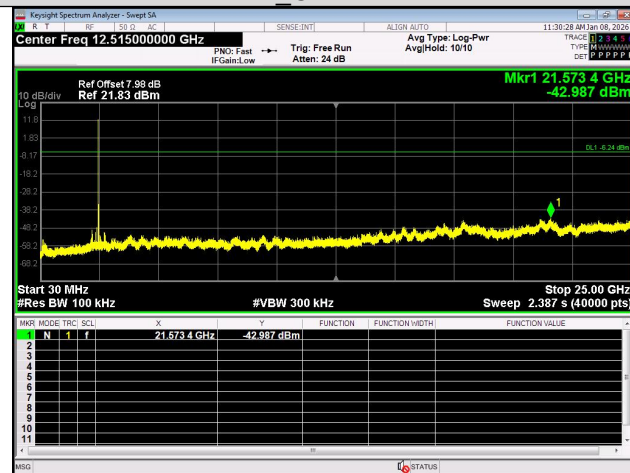
Hopping

Modulation	Channel	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result
FSK	Hopping	2400.00	-32.493	-8.85	-23.643	PASS
		2483.50	-34.124	-6.07	-28.054	PASS

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

Test Graphs



Spurious Emissions
FSK Channel 24Spurious Emission
FSK Channel 48

Out Of Band Emission(Right)
FSK Channel Hopping



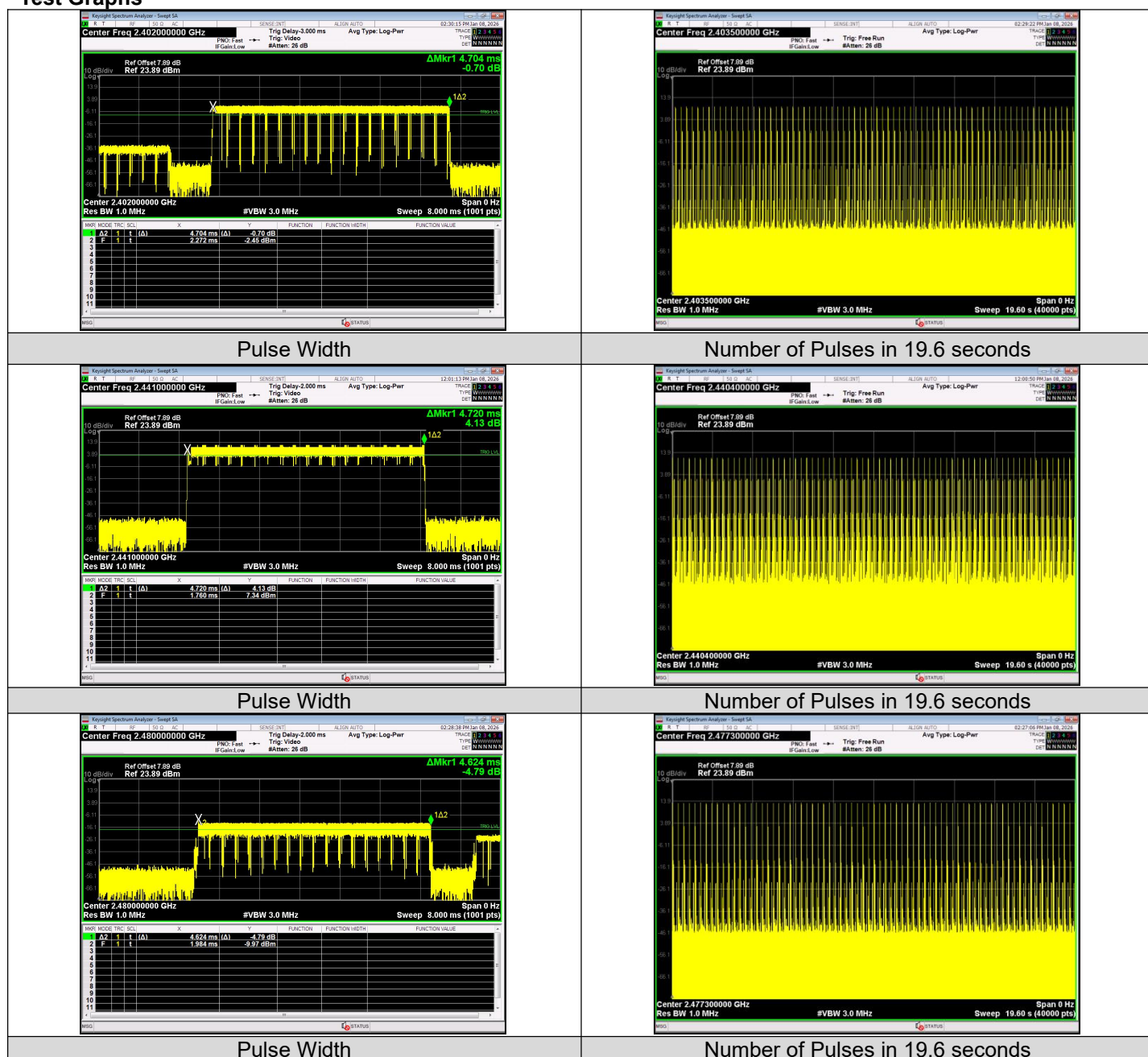
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A.6 DWELL TIME

Test Result

Modulation	Channel	Pulse Width (ms)	Number of Pulses in 19.6 seconds	Dwell Time (ms)	Limit (ms)	Result
FSK	CH0 (2403.5MHz)	4.704	72	338.69	< 400	PASS
	CH24 (2440.4MHz)	4.720	73	344.56		PASS
	CH48 (2477.3MHz)	4.624	73	337.55		PASS

Test Graphs





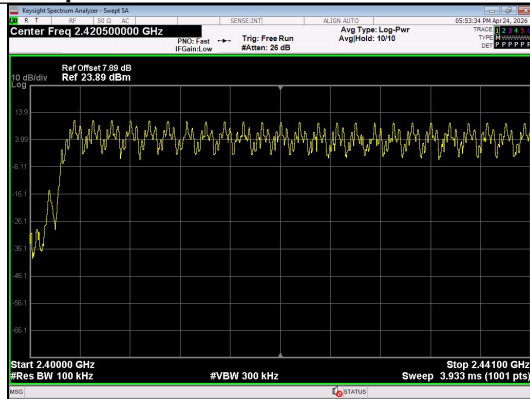
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A.7 NUMBER OF HOPPING CHANNEL

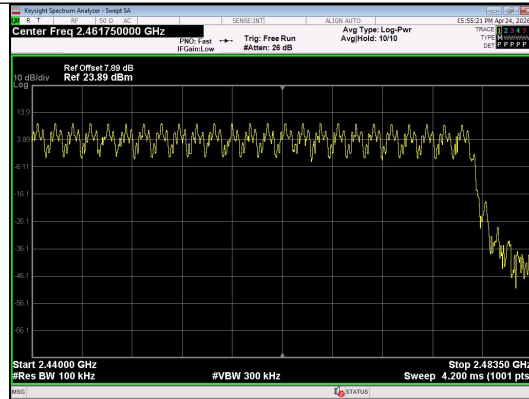
Test Result

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

Test Graphs



Low End Spectrum Channel Hopping Plot
FSK



High End Spectrum Channel Hopping Plot
FSK