



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(GFSK)_Test data.

E.U.T:	Belt Drive Turntable
Model Number:	CA0966
Sample ID:	33000283701
Sample(s) Status:	Engineer sample
Date of Receipt:	2026.07.27
Date of Test:	2026.07.27 ~ 2026.09.18
FCC ID:	YKBCA0966-050
Report No.:	2026081308989843-00
Tester:	Hugh Zhang



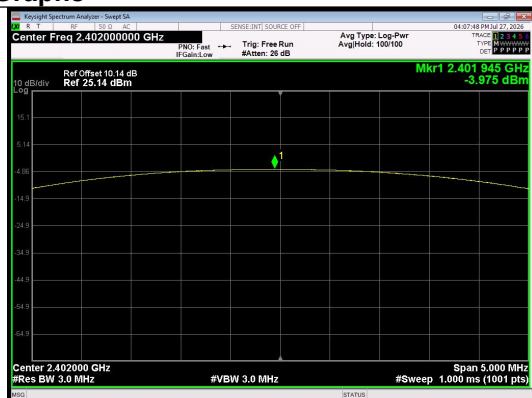
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A.1 CONDUCTED OUTPUT POWER

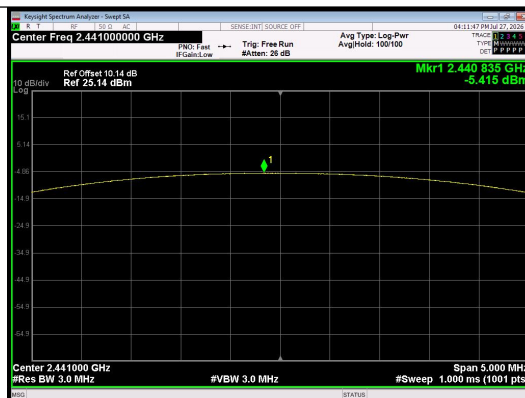
Test Result

Modulation	Channel	Peak Output Power (dBm)	Peak Output Power (mW)	Max. Avg. Power (dBm)	Limit	Result
GFSK	0	-3.98	0.40	None	0.125w	PASS
	39	-5.42	0.29	None		PASS
	78	-5.83	0.26	None		PASS

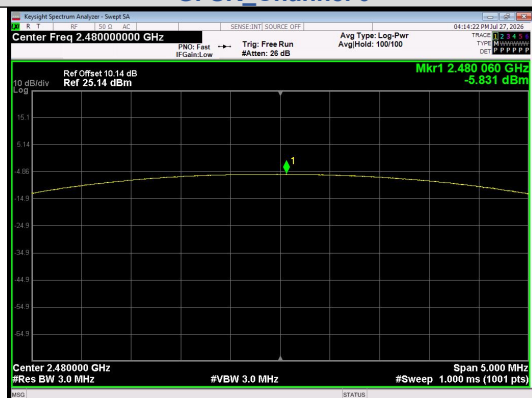
Test Graphs



Peak Output Power
GFSK_Channel 0



Peak Output Power
GFSK_Channel 39



Peak Output Power
GFSK_Channel 78



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A.2 99% BANDWIDTH

Test Result

Modulation	Channel	Center Frequency (MHz)	99% BW (MHz)
GFSK	0	2402	0.79267
	39	2441	0.79132
	78	2480	0.79218

Test Graphs





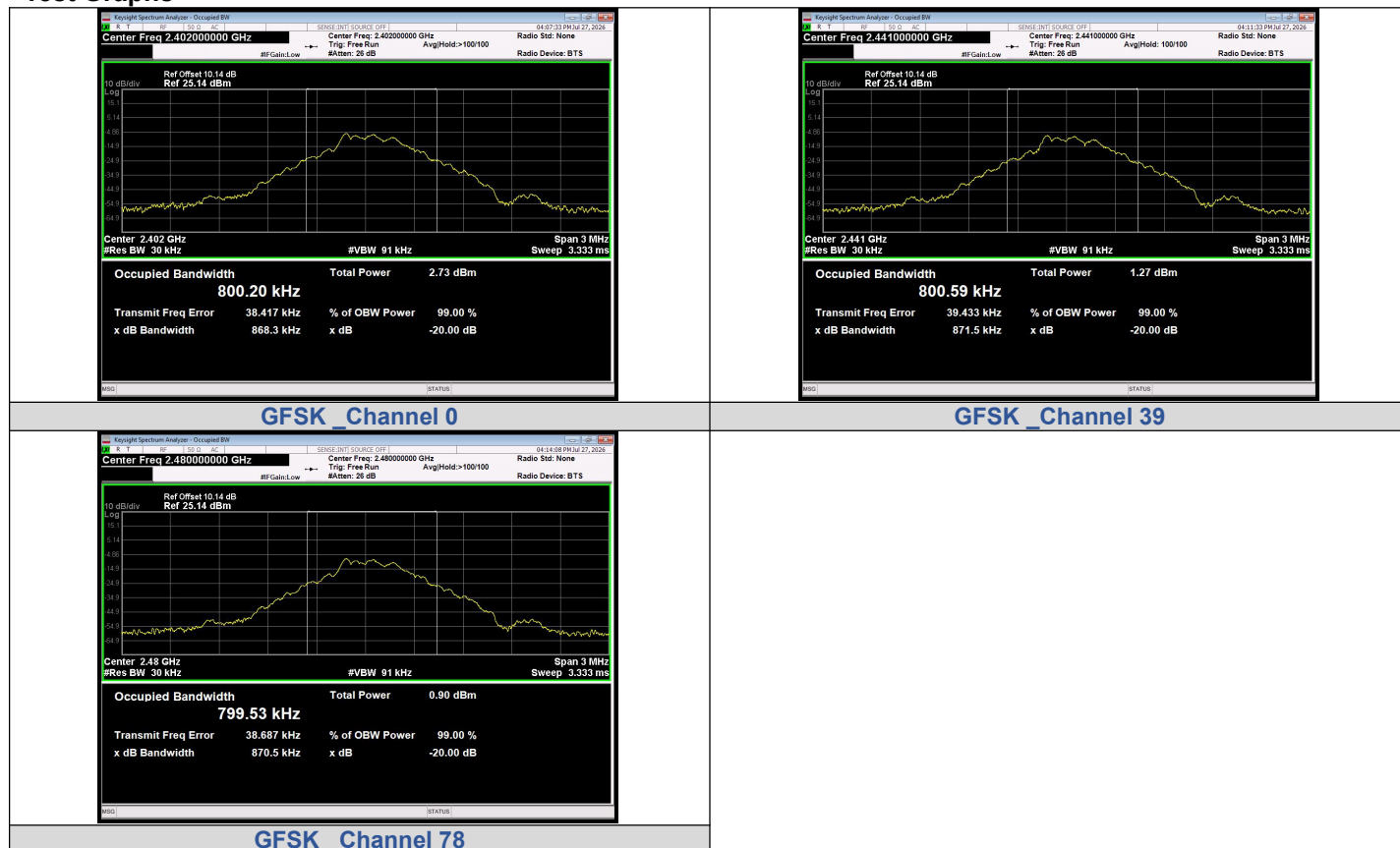
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A.3 20DB BANDWIDTH

Test Result

Modulation	Channel	Center Frequency (MHz)	20 dB Bandwidth (MHz)
GFSK	0	2402 MHz	0.8683
	39	2441 MHz	0.8715
	78	2480 MHz	0.8705

Test Graphs





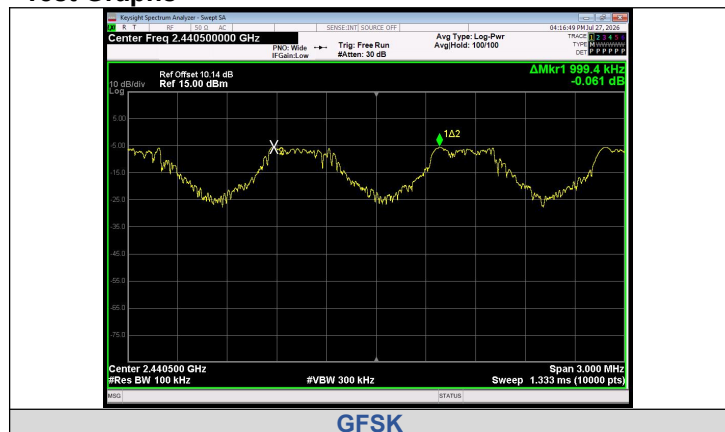
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A.4 CARRIER FREQUENCIES SEPARATION

Test Result

Modulation	Left Center frequency (MHz)	Right Center frequency (MHz)	Hopping Frequency Separation (MHz)	Minimum Limit (MHz)	Result
GFSK	2439.8824	2440.8818	0.9994	0.872	PASS

Test Graphs





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A.5 CONDUCTED SPURIOUS & BAND EDGE EMISSION

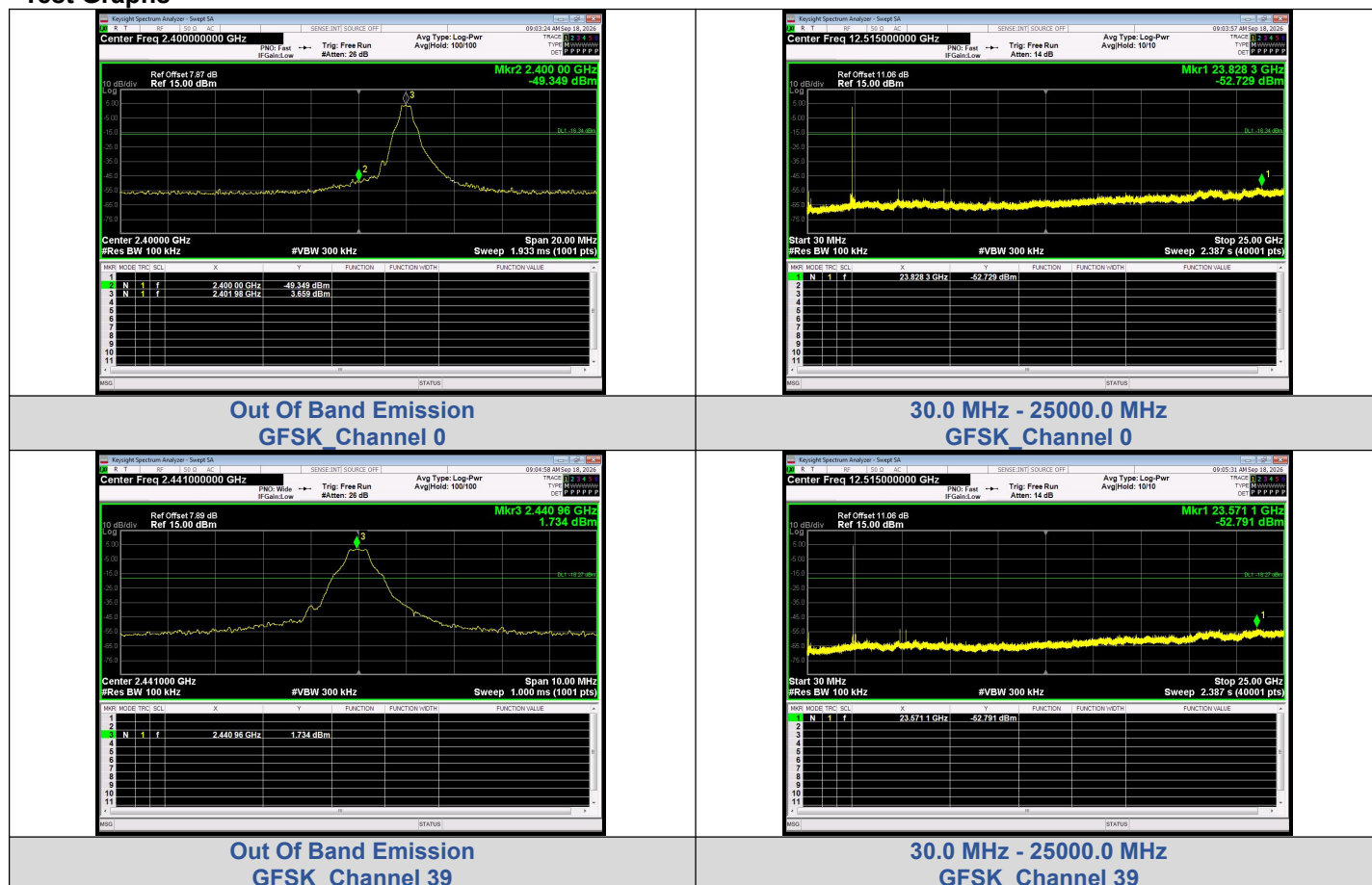
Test Result Non-Hopping

Modulation	Channel	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Verdict
GFSK	0	2400.00	-49.349	-16.34	-33.009	PASS
		23828.3	-52.729	-16.34	-36.389	PASS
	39	23571.1	-52.791	-18.27	-34.521	PASS
	78	119.89	-52.884	-20.46	-32.424	PASS
		2483.50	-56.260	-20.46	-35.800	PASS

Hopping

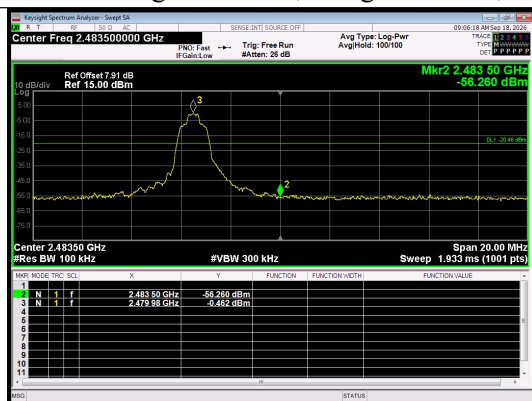
Modulation	Channel	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Verdict
GFSK	Hopping	2315.96	-53.992	-17.93	-36.062	PASS
		2400.00	-55.189	-17.93	-37.259	PASS
		2483.50	-55.769	-17.23	-38.539	PASS

Test Graphs

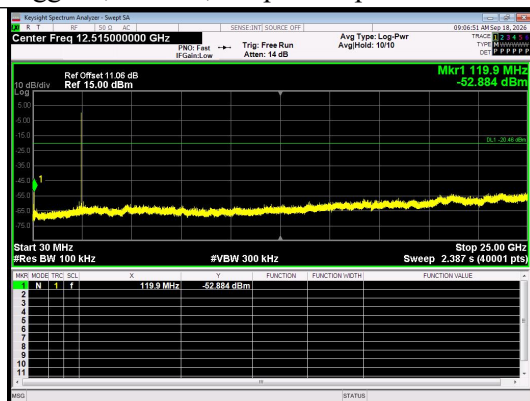




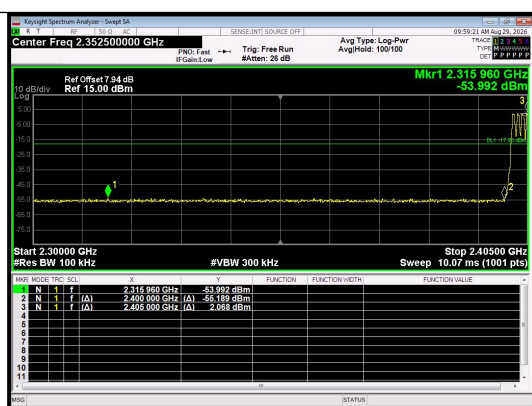
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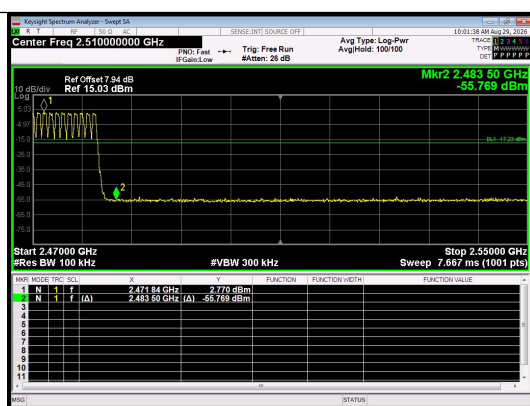
Out Of Band Emission
GFSK_Channel 78



30.0 MHz - 25000.0 MHz
GFSK_Channel 78



Out Of Band Emission(Left)
GFSK_Channel Hopping



Out Of Band Emission(Right)
GFSK_Channel Hopping



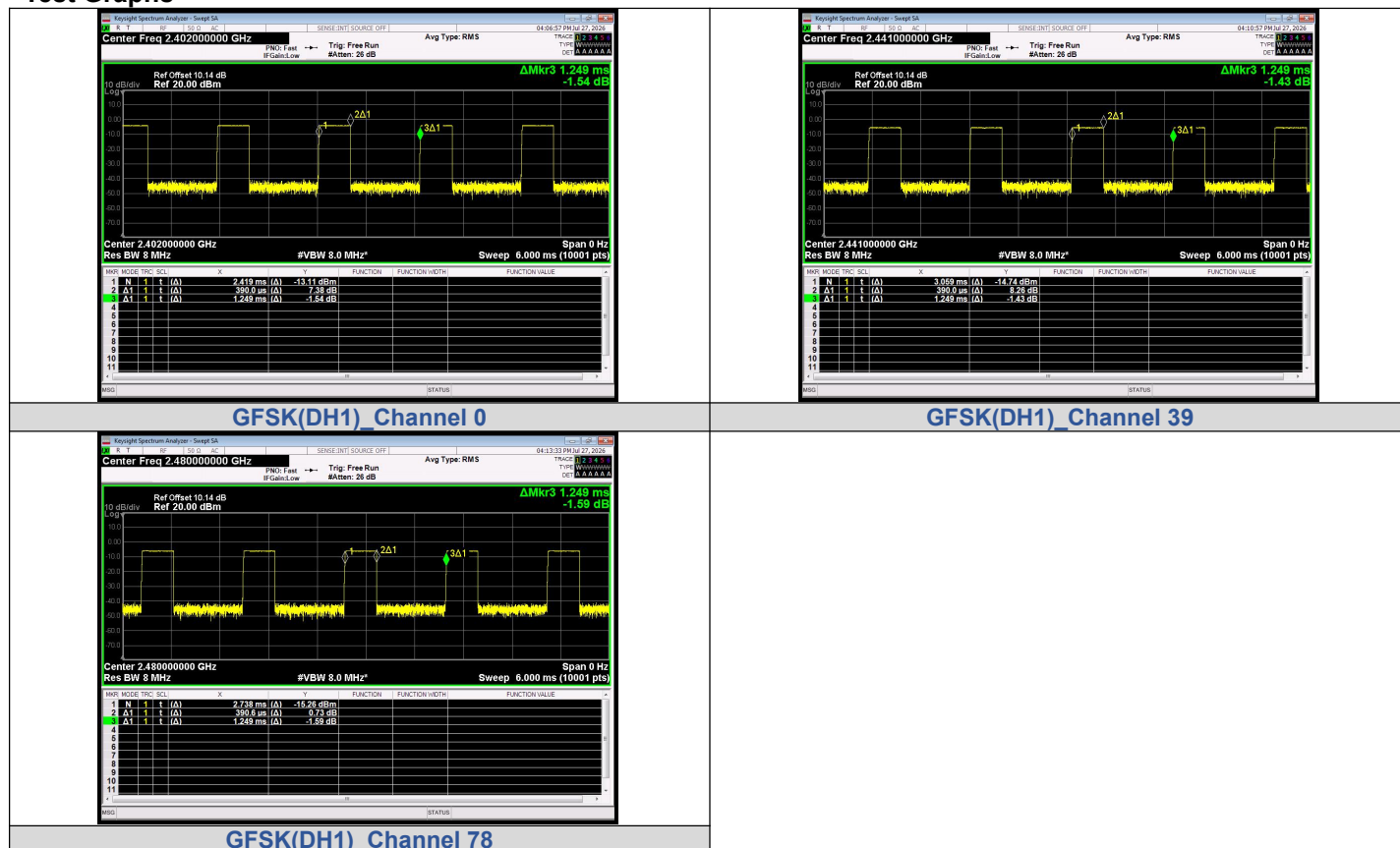
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A.6 DUTY CYCLE

Test Result

Modulation	Channel	On Time (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle (linear)	Duty Cycle Factor (dB)	1/T
GFSK	0	0.390	1.249	31.23	0.3122	5.0557	2.5641
	39	0.390	1.249	31.23	0.3122	5.0557	2.5641
	78	0.391	1.249	31.30	0.3131	5.0432	2.5575

Test Graphs





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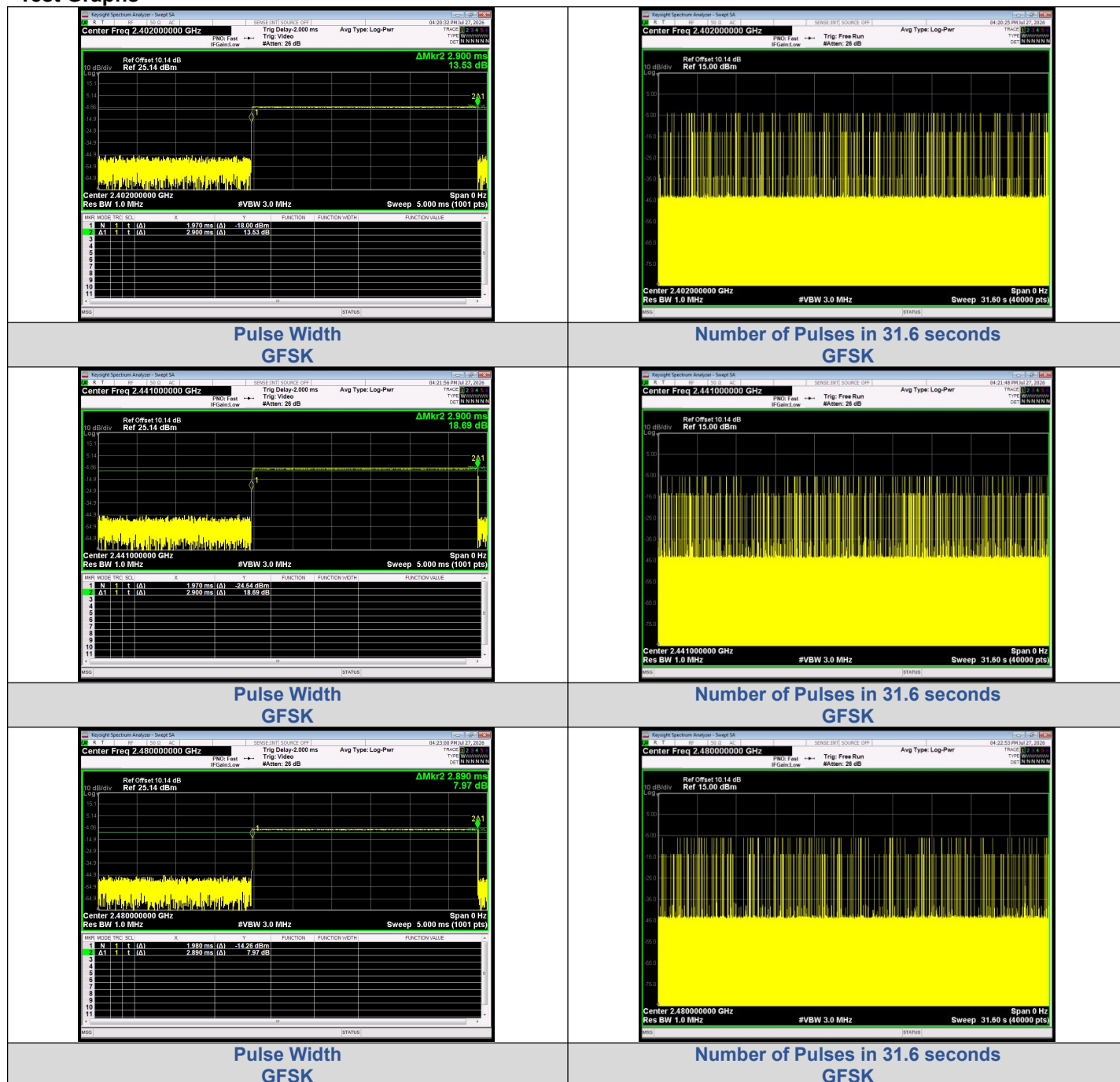
A.7 DWELL TIME

Test Result

Modulation	Channel	Pulse Width (ms)	Number of Pulses in 31.6 seconds	Dwell Time (ms)	Limit (ms)	Result
GFSK	Hopping	2.900	116	336.4	< 400	PASS
		2.900	114	330.6		PASS
		2.890	106	306.34		PASS

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

Test Graphs





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A.8 NUMBER OF HOPPING CHANNEL

Test Result

Modulation	Number of Hopping Channel	Limit	Result
GFSK	79	15	PASS

Test Graphs

