TEST REPORT
EN 62311:2020

Report Number:	**ZKT-24121918954E-4**
Date of Test:	Dec. 19, 2024 to Dec. 30, 2024
Date of issue:	Dec. 30, 2024
Total number of pages:	8
Test Result :	PASS

Testing Laboratory:	**Shenzhen ZKT Technology Co., Ltd.**
Address :	1/F, No. 101, Building B, No. 6, Tangwei Community Industrial Avenue, Fuhai Street, Bao'an District, Shenzhen, China

Applicant's name :	**Dong Guan Jvin Electronic Co.,LTD.**
Address :	Room 701, No. 381 Daxing Road,Yangwu, Dalingshan,Dongguan, Guangdong province,China

Manufacturer's name :	**Dong Guan Jvin Electronic Co.,LTD.**
Address :	Room 701, No. 381 Daxing Road,Yangwu, Dalingshan,Dongguan, Guangdong province,China

Test specification:	
Standard:	EN IEC 62311:2020 EN 50663:2017
Test procedure:	/
Non-standard test method :	N/A

This Attestation of Compliance is issued on a voluntary basis for electrical equipment below the voltage limits of Radio Equipment Directive (RED) 2014/53/EU. The essential requirement are fulfilled accordingly based on the technical specifications applicable at the time of issuance.

Product name:	**projector**
Trademark :	N/A
Model/Type reference:	K6 K7, K8, K9, K10, K11, K12, K13, K15, K16
Ratings:	Input: AC100-240V, 50/60Hz

Testing procedure and testing location:

Testing Laboratory.....:	**Shenzhen ZKT Technology Co., Ltd.**
Address.....:	1/F, No. 101, Building B, No. 6, Tangwei Community Industrial Avenue, Fuhai Street, Bao'an District, Shenzhen, China
Tested by (name + signature).....:	Jim Liu
Reviewer (name + signature).....:	Alan Zheng
Approved (name + signature).....:	Lake Xie

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1. Version

Report No.	Issue Date	Description	Approved
ZKT-24121918954E-4	Dec. 30, 2024	Original	Valid

2. GENERAL INFORMATION

Product Name:	projector
Model No.:	K6
Antenna Type:	PCB Antenna, Maximum Gain is 0dBi
	Note: the antenna gain is provided by the customer, and the final test result has nothing to do with us.
Operation Frequency:	2402MHz-2480MHz 2412MHz-2472MHz
Modulation technology:	WIFI: DSSS, OFDM BT: GFSK, π/4-DQPSK, 8-DPSK
Power supply:	Input: AC100-240V, 50/60Hz
Intend use environment:	Residential, commercial and light industrial environment

3. Maximum Permissible Exposure

3.1 Applicable Standard

EN IEC 62311 Generic standard to demonstrate the compliance of electronic and electrical apparatus with the basic restrictions related to human exposure to electromagnetic fields (0 Hz–300 GHz) is to demonstrate the compliance of apparatus with the basic restrictions or reference levels on exposure of the general public related to electric, magnetic, electromagnetic fields as well as induced and contact current.

3.2 Limit

Reference levels for electric, magnetic and electromagnetic fields (0 Hz to 300 GHz, unperturbed rms values)

Frequency range	E-field strength (V/m)	H-field strength (A/m)	B-field (μT)	Equivalent plane wave power density S_{eq} (W/m²)
0-1 Hz	—	$3,2 \times 10^4$	4×10^4	—
1-8 Hz	10 000	$3,2 \times 10^4/f^2$	$4 \times 10^4/f^2$	—
8-25 Hz	10 000	4 000/f	5 000/f	—
0,025-0,8 kHz	250/f	4/f	5/f	—
0,8-3 kHz	250/f	5	6,25	—
3-150 kHz	87	5	6,25	—
0,15-1 MHz	87	0,73/f	0,92/f	—
1-10 MHz	$87/f^{1/2}$	0,73/f	0,92/f	—
10-400 MHz	28	0,073	0,092	2
400-2 000 MHz	$1,375\ f^{1/2}$	$0,0037\ f^{1/2}$	$0,0046\ f^{1/2}$	f/200
2-300 GHz	61	0,16	0,20	10

Notes:

1. *f* as indicated in the frequency range column.

3.3 Test Method

$E (V/m) = (30*P*G)^{0.5}/d$

E = Electric Field (V/m)
P = Peak RF output Power (W)
G = EUT Antenna numeric gain (numeric)
d = Separation distance between radiator and human body (m)
From the peak EUT RF output power, the minimum mobile separation distance, d=0.2m, as well as the gain of the used antenna, the RF power density can be obtained.

3.4 Calculated Result and Limit

2.4G BT Mode							
Mode	Frequency (MHz)	Output power (dBm)	Output Power (W)	Antenna gain (dBi)	Electric Field (V/m)	Limit of Electric Field(V/m)	Result
π/4-DQPSK	2402	1.43	0.0014	2.0	1.02	61	Pass

2.4G WIFI Mode							
Mode	Frequency (MHz)	Output power (dBm)	Output Power (W)	Antenna gain (dBi)	Electric Field (V/m)	Limit of Electric Field(V/m)	Result
802.11g	2472	15.92	0.0391	2.0	5.42	61	Pass

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