



Test Report No.: FM200720N073

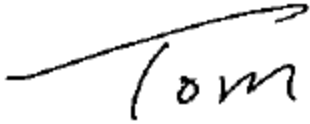

RF EXPOSURE REPORT

Applicant	Shenzhen VanTop Technology & Innovation Co., Ltd.
Address	502, 5th Flr. BLDG 4, MinQi Technology Park, No. 65 Lishan Road, Taoyuan Street, Nanshan District, Shenzhen, China

Manufacturer or Supplier	Shenzhen VanTop Technology & Innovation Co., Ltd.
Address	502, 5th Flr. BLDG 4, MinQi Technology Park, No. 65 Lishan Road, Taoyuan Street, Nanshan District, Shenzhen, China
Product	Projector
Brand Name	VANKYO
Model	Performance V630W
Additional Model & Model Difference	Performance V600W, Performance V610W, Performance V620W, etc., see items 1
Date of tests	Jul. 20, 2020 ~ Jan. 15, 2021

- FCC Part 2 (Section 2.1091)
- KDB 447498 D01
- IEEE C95.1

CONCLUSION: The submitted sample was found to COMPLY with the test requirement

Tested by Tom Chen Project Engineer / EMC Department	Approved by Glyn He Assistant Manager / EMC Department
	 Date: Mar. 12, 2021

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Test Report No.: FM200720N073

TABLE OF CONTENTS

RELEASE CONTROL RECORD	3
1. CERTIFICATION.....	4
2. RF EXPOSURE LIMIT	5
3. MPE CALCULATION FORMULA.....	5
4. CLASSIFICATION	5
5. ANTENNA GAIN	6
6. CALCULATION RESULT OF MAXIMUM CONDUCTED POWER.....	6



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RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
FM200720N073	Original release	Mar. 12, 2021

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1. CERTIFICATION

PRODUCT:	Projector
BRAND NAME:	VANKYO
MODEL NO.:	Performance V630W
ADDITIONAL MODELS:	Performance V600W, Performance V610W, Performance V620W, Performance V640W, Performance V650W, Performance V660W, Performance V670W, Performance V680W, Performance V690W, Performance V700W, Performance V710W, Leisure 480W, Leisure 510W, Leisure 510PW, Leisure 530W, Leisure 540W, Leisure 550W, Explore 3W, Explore 6W, Explore 8W, A01001, A01002, A01003, A01004, A01005, A01006, A01007, A01008, A01009, A01010
FCC ID:	2AQ3A-V630W
TEST SAMPLE:	ENGINEERING SAMPLE
APPLICANT:	Shenzhen VanTop Technology & Innovation Co., Ltd.
TESTED DATES:	Jul. 20, 2020 ~ Jan. 15, 2021
STANDARDS:	FCC Part 2 (Section 2.1091)
	KDB 447498 D01
	IEEE C95.1



2. RF EXPOSURE LIMIT

LIMITS FOR MAXIMUM PERMISSIBLE EXPOSURE (MPE)

FREQUENCY RANGE (MHz)	ELECTRIC FIELD STRENGTH (V/m)	MAGNETIC FIELD STRENGTH (A/m)	POWER DENSITY (mW/cm ²)	AVERAGE TIME (minutes)
LIMITS FOR GENERAL POPULATION / UNCONTROLLED EXPOSURE				
300-1500	F/1500	30
1500-100,000	1.0	30

F = Frequency in MHz

3. MPE CALCULATION FORMULA

$$Pd = (Pout * G) / (4 * pi * r^2)$$

where

Pd = power density in mW/cm²

Pout = output power to antenna in mW

G = gain of antenna in linear scale

Pi = 3.1416

R = distance between observation point and center of the radiator in cm

4. CLASSIFICATION

The antenna of this product, under normal use condition, is at least 20cm away from the body of the user. So, this device is classified as **Mobile Device**.

5. ANTENNA GAIN

The antennas provided to the EUT, please refer to the following table:

Frequency Band	Antenna Gain (dBi)	Antenna Type
Wi-Fi 2.4GHz	1.97	Integral Antenna
Wi-Fi 5GHz (5150-5250MHz)	2.91	Integral Antenna
Wi-Fi 5GHz (5725-5850MHz)	3.13	Integral Antenna

6. CALCULATION RESULT OF MAXIMUM CONDUCTED POWER

The tuned conducted Average Power (declared by client)

Mode	Frequency (MHz)	Target Power (dBm)	Tolerance (dBm)	Lower Tolerance (dBm)	Upper Tolerance (dBm)
802.11b	2412-2462MHz	15	+1	14	16
802.11g	2412-2462MHz	12	+1	11	13
802.11n HT20	2412-2462MHz	12	+1	11	13
802.11n HT40	2422-2452MHz	11	+1	10	12
Wi-Fi 5GHz(Band1)	5150-5250MHz	12	+1	11	13
Wi-Fi 5GHz(Band4)	5725-5850MHz	11	+1	10	12

The measured conducted Average Power

Mode	Frequency (MHz)	Averaged Power (dBm)
802.11b	2412	14.73
802.11g	2412	11.77
802.11n HT20	2412	11.73
802.11n HT40	2422	10.66
Wi-Fi 5GHz(Band1)	5240	11.98
Wi-Fi 5GHz(Band4)	5745	11.11



FREQUENCY BAND (MHz)	MAX POWER (dBm)	ANTENNA GAIN (dBi)	DISTANCE (cm)	POWER DENSITY (mW/cm ²)	LIMIT (mW/cm ²)
Wi-Fi 2.4GHz	16	1.97	20	0.01247	1.0
Wi-Fi 5GHz	13	2.91	20	0.00776	1.0

CONCLUSION:

The WLAN 2.4GHz and 5GHz can not transmit simultaneously.

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