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	Leisure 470
Additional Models & Model Difference	Explore 2, Explore 2A, Explore 2W, Explore 4W, Explore 5A, Explore 5W, Explore 6A, Explore 6W, Explore 7A, Explore 7W, Explore 8A, Explore 8W, Explore 9A, Explore 9W, Leisure 410A, Leisure 410W, Leisure 430, Leisure 430A, Leisure 430W, Leisure 460A, , etc.; See section 2.1 note
Date of tests	Dec. 04, 2019 ~ Jun. 23, 2020

☒ **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 Breeze Jiang Senior Project Engineer / EMC Department	Approved by Glyn He Assistant Manager/ EMC Department
	 Date: Jul. 13, 2020

Bureau Veritas Shenzhen Co., Ltd. Dongguan Branch

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RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
FM191204N055	Original release	Jul. 13, 2020

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1. CERTIFICATION

FCC ID:	2AQ3ALEISURE470
PRODUCT:	Projector
BRAND NAME:	VANKYO
MODEL NO.:	Leisure 470
ADDITIONAL NO.:	Explore 2, Explore 2A, Explore 2W, Explore 4W, Explore 5A, Explore 5W, Explore 6A, Explore 6W, Explore 7A, Explore 7W, Explore 8A, Explore 8W, Explore 9A, Explore 9W, Leisure 410A, Leisure 410W, Leisure 430,Leisure 430A, Leisure 430W,Leisure 460A, Leisure 460W, Leisure 470A, Leisure 470W, Leisure 490A, Leisure 490W, Leisure 510A, Leisure 510W, Leisure 520A, Leisure 520W, Leisure 530A, Leisure 530W, Leisure 540A, Leisure 540W, Leisure 550A, Leisure 550W, Cinemango 100A, Cinemango 100W, Cinemango 110A, Cinemango 110W, Cinemango 120A, Cinemango 120W
TEST SAMPLE:	Engineering Sample
APPLICANT:	Shenzhen VanTop Technology & Innovation Co., Ltd.
STANDARDS:	FCC Part 2 (Section 2.1091)
	KDB 447498 D01
	IEEE C95.1

Note: Additional models (see above table) are identical with the test model Leisure 470 except the model name for trading purpose.

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/cm^2

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:

Transmitter Circuit	Peak Gain (dBi)	Antenna Type
Chain 0	2	Wire 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	2412-2462	14	+-2	12	16
802.11g	2412-2462	15	+-2	13	17
802.11n(HT20)	2412-2462	14	+-2	12	16
802.11n(HT40)	2422-2462	15	+-2	13	17

The measured conducted Average Power

Mode	Frequency (MHz)	Averaged Power (dBm)
802.11b	2462	14.88
802.11g	2462	15.69
802.11n(HT20)	2437	14.69
802.11n(HT40)	2437	15.56

FREQUENCY BAND (MHz)	MAX AVERAGE POWER (dBm)	ANTENNA GAIN (dBi)	DISTANCE (cm)	POWER DENSITY (mW/cm^2)	LIMIT (mW/cm^2)
2412-2462	17	2	20	0.015803	1.0

--- END ---