FCC RF EXPOSURE REPORT

FCC ID: 2BBK2-S1

Equipment	:	Projector
Model No.	:	S1,W01,W02,W03,W05,W06,W08,W09,W10,W13,W15,W16,W18,W19,W21,W22,W23,W25,W26,W28,W29,W30,W31,W32,W35,W50,W80,W70,W80,W90,M01,M02,M03,M04,M05,M06,M08,M09,M10,M11,M12,M13,M15,M16,M18,M19,M20,M21,M22,M23,M25,M26,M28,M29,M30,M8,A11,A12,A13,A14,A15,A16,A17,A18,A19,A20,A21,A22,A23,A25,A28,A29,A30,A31,A32,A33,A35,A36,A38,A39,A50,A51,A52,A53,A55,A56,A58,A59,A60,V2,V6,V11,V12,V13,V14,V15,K2,K5,K7,K9,K10,K11,K12,K13,K8,X3,X5,X6,G01,G02,G03,G05,G06,G08,G09,G10,G12,G86,G08H,G04,G11,G14,G15,G16,G17,G18,G19,G20,A11H,A13H,M01H,M02H,M03H,M05H,M06H,M07H,M23H,M7H,W16H,W19H,W80H,W10H,W13H,W18H,K8-1,M8-F,S2,S3,ML066,ML067,Rnk480,AU-1,XU-1,AK-1,XP-1,EP-1,VP-1,VI-1
Trademark	:	N/A
Product No.	:	POC230529021-S001
Applicant	:	Shenzhen Youyoule Technology.Co., Ltd
Address	:	6th Floor, Building E, Zhongnangang Industrial City, No. 1323, Liguang Xinwei, Guanlan Street, Longhua New District, Shenzhen, China
Manufacturer	:	Shenzhen Youyoule Technology.Co., Ltd
Address	:	6th Floor, Building E, Zhongnangang Industrial City, No. 1323, Liguang Xinwei, Guanlan Street, Longhua New District, Shenzhen, China
Receipt Date	:	2023.05.29
Issued Date	:	2023.08.09
Test Sample	:	Final Sample
Standard(s)	:	FCC 47 CFR Part 1.1310 & FCC 47 CFR Part 2.1091

Prepared By:	**Checked By:**	**Approved By:**	
Gavin Xu	Tim Zhang	Misue Su	Shenzhen Haiyun Standard Technical Co., Ltd. HAIYUN Report Seal
Gavin Xu	Tim.zhang	Misue Su	

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History of this test report

Original Report Issue Date: 2023.08.09

● No additional attachment

○ Additional attachments were issued following record

Attachment No.	Issue Date	Description

1. TEST FACILITY

Company:	Shenzhen Haiyun Standard Technical CO., Ltd.
Address:	No. 110-113, 115, 116, Block B, Jinyuan Business Building, Bao'an District, Shenzhen, China
CNAS Registration Number:	CNAS L18252
CAB identifier:	CN0145
Company Number:	30427
A2LA Certificate Number:	6823.01
Telephone:	0755-26024411

2. MPE CALCULATION METHOD

Calculation Method of RF Safety Distance:

$$S = \frac{PG}{4\pi r^2} = \frac{EIRP}{4\pi r^2}$$

where:
S = power density
P = power input to the antenna
G = power gain of the antenna in the direction of interest relative to an isotropic radiator
R = distance to the center of radiation of the antenna

Table for Filed Antenna

For BDR+EDR & BLE

Ant.	Brand	Model Name	Antenna Type	Connector	Gain (dBi)
1	B&T	BAT-MT926-BT	FPC	Ant	2.47

For 2.4G WIFI

Ant.	Brand	Model Name	Antenna Type	Connector	Gain (dBi)
1	B&T	BAT-MT926- WIFI	FPC	Ant	4.41
2	B&T	BAT-MT926- WIFI	FPC	Ant	4.10

For 5G WIFI

Ant.	Brand	Model Name	Antenna Type	Connector	Gain (dBi)
1	B&T	BAT-MT926- WIFI	FPC	Ant	4.72
2	B&T	BAT-MT926- WIFI	FPC	Ant	4.26

Note:
1. The antenna gain is provided by the manufacturer.
2. The antenna manufacture is Shenzhen Boantong Technology Co., Ltd.

3. TEST RESULTS

Operating Mode	Freq.	Maximum conducted output power	Directional Antenna Gain	Calculated maximum EIRP		MPE Limit	MPE Value
	(MHz)	(dBm)	(dBi)	(dBm)	(mW)	(mW/cm^2)	
BDR+EDR	2402-2480	7.65	2.47	10.12	10.28	1	0.0020
BLE	2402-2480	4.89	2.47	7.36	5.45	1	0.0010
2.4G Wifi	2412-2462	14.08	7.27	21.35	136.46	1	0.0271
5G Wifi	5180-5250	7.88	7.50	15.38	34.51	1	0.0069

Note: 1. The calculated distance is 20 cm.
2. The Wifi function can transmit at the same time with the BT function.
3. The table only reflects worst case for BT & WIFI.

Simultaneous transmitting consideration(Worst case)

The ratio= $MPE_{BDR+EDR}$/limit+$MPE_{2.4G\ Wifi}$/limit +$MPE_{5G\ Wifi}$/limit=0.0020/1+0.0271/1+0.0069/1=0.036<1.0

Result: Complies

（END OF REPORT）