

## RF Exposure Evaluation Report

**Report Reference No.**.....: MTEB25080089-R

**FCC ID**.....: 2BQ67-JPX-PV01S

Compiled by

( position+printed name+signature) ..: File administrators Alisa Luo



Supervised by

( position+printed name+signature) ..: Test Engineer Sunny Deng



Approved by

( position+printed name+signature) ..: Manager Yvette Zhou



Date of issue.....: **Jun.23,2025**

**Representative Laboratory Name** ..: **Shenzhen Most Technology Service Co., Ltd.**

Address .....: No.5, 2nd Langshan Road, North District, Hi-tech Industrial Park, Nanshan, Shenzhen, Guangdong, China.

**Applicant's name** .....: **Shenzhen Qiu Ke Technology Co., Ltd.**

Address .....: Building 18, Industrial Zone, Jiatiangang, Huangtian Community, Hangcheng Street, Bao'an District, Shenzhen city, Guangdong, China

**Test specification/ Standard** .....: **47 CFR Part 1.1307;47 CFR Part 1.1310**

**KDB447498D01 General RF Exposure Guidance v06**

TRF Originator .....: Shenzhen Most Technology Service Co., Ltd.

**Shenzhen Most Technology Service Co., Ltd. All rights reserved.**

This publication may be reproduced in whole or in part for non-commercial purposes as long as the Shenzhen Most Technology Service Co., Ltd. is acknowledged as copyright owner and source of the material. Shenzhen Most Technology Service Co., Ltd. takes no responsibility for and will not assume liability for damages resulting from the reader's interpretation of the reproduced material due to its placement and context.

**Test item description** .....: wireless mini display screen

Trade Mark .....: N/A

Model/Type reference.....: JPX-PV01S

Listed Models .....: JPX-PV01J, JPX-PV02S, JPX-PV02J, JPX-PV01S1, JPX-PV01S2

Modulation Type .....: b: DSSS

g/n: OFDM

GFSK

Operation Frequency.....: From 2412MHz~2462MHz

From 2402MHz to 2480MHz

Hardware Version.....: V.0

Software Version .....: V.0

Rating .....: DC 3.7V by Battery

DC 5V

Result.....: **PASS**

## TEST REPORT

Equipment under Test : wireless mini display screen

Model /Type : JPX-PV01S

Listed Models : JPX-PV01J, JPX-PV02S, JPX-PV02J, JPX-PV01S1, JPX-PV01S2

Remark : Use JPX-PV01S for all tests. Only the model name is different.while other designs are the same.Internal electronic components, circuit layout and wiring are consistent.

Applicant : **Shenzhen Qiu Ke Technology Co., Ltd.**

Address : Building 18, Industrial Zone, Jiatiangang, Huangtian Community, Hangcheng Street, Bao'an District, Shenzhen city, Guangdong, China

Manufacturer : **Shenzhen Qiu Ke Technology Co., Ltd.**

Address : Building 18, Industrial Zone, Jiatiangang, Huangtian Community, Hangcheng Street, Bao'an District, Shenzhen city, Guangdong, China

<b>Test Result:</b>	<b>PASS</b>
---------------------	-------------

The test report merely corresponds to the test sample.

It is not permitted to copy extracts of these test result without the written permission of the test laboratory.

## 1. Revision History

Revision	Issue Date	Revisions	Revised By
00	2025.08.07	Initial Issue	Alisa Luo

## 2. SAR Evaluation

### 2.1 RF Exposure Compliance Requirement

#### 2.1.1 Standard Requirement

According to KDB447498D01 General RF Exposure Guidance v06

##### 4.3.1. Standalone SAR test exclusion considerations

Unless specifically required by the published RF exposure KDB procedures, standalone 1-g head or body and 10-g extremity SAR evaluation for general population exposure conditions, by measurement or numerical simulation, is not required when the corresponding SAR Exclusion Threshold condition, listed below, is satisfied.

#### 2.1.2 Limits

According to FCC Part1.1310: The criteria listed in the following table shall be used to evaluate the environment impact of human exposure to radio frequency (RF) radiation as specified in part1.1307(b)

TABLE 1—LIMITS FOR MAXIMUM PERMISSIBLE EXPOSURE (MPE)

Frequency range (MHz)	Electric field strength (V/m)	Magnetic field strength (A/m)	Power density (mW/cm <sup>2</sup> )	Averaging time (minutes)
<b>(A) Limits for Occupational/Controlled Exposures</b>				
0.3–3.0 .....	614	1.63	*(100)	6
3.0–30 .....	1842/f	4.89/f	*(900/f <sup>2</sup> )	6
30–300 .....	61.4	0.163	1.0	6
300–1500 .....	.....	.....	f/300	6
1500–100,000 .....	.....	.....	5	6
<b>(B) Limits for General Population/Uncontrolled Exposure</b>				
0.3–1.34 .....	614	1.63	*(100)	30
1.34–30 .....	824/f	2.19/f	*(180/f <sup>2</sup> )	30
30–300 .....	27.5	0.073	0.2	30
300–1500 .....	.....	.....	f/1500	30
1500–100,000 .....	.....	.....	1.0	30

F= Frequency in MHz

Friis Formula

Friis transmission formula:  $P_d = (P_{out} \cdot G) / (4 \cdot \pi \cdot R^2)$  Where

$P_d$  = power density in mW/cm<sup>2</sup>

$P_{out}$  = 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

$P_d$  is the limit of MPE, 1 mW/cm<sup>2</sup>. If we know the maximum gain of the antenna and the total power input to the antenna, through the calculation, we will know the distance r where the MPE limit is reached.

## 2.1.3 EUT RF Exposure

## WIFI 2.4G

802.11b			
Test channel	Peak Output Power (dBm)	Tune up tolerance (dBm)	Maximum tune-up Power
			(dBm)
Lowest(2412MHz)	11.57	11.57±1	12.57
Middle(2437MHz)	13.82	13.82±1	14.82
Highest(2462MHz)	13.14	13.14±1	14.14

802.11g			
Test channel	Peak Output Power (dBm)	Tune up tolerance (dBm)	Maximum tune-up Power
			(dBm)
Lowest(2412MHz)	10.37	10.37±1	11.37
Middle(2437MHz)	12.38	12.38±1	13.38
Highest(2462MHz)	12.77	12.77±1	13.77

802.11n(H20)			
Test channel	Peak Output Power (dBm)	Tune up tolerance (dBm)	Maximum tune-up Power
			(dBm)
Lowest(2412MHz)	10.66	10.66±1	11.66
Middle(2437MHz)	14.07	14.07±1	15.07
Highest(2462MHz)	14.17	14.17±1	15.17

## WIFI 2.4G

Worst case: 802.11g						
Channel	Maximum tune-up Power (dBm)	Maximum tune-up Power (MW)	Antenna Gain (dBi)	Power Density at R = 20 cm (mW/cm <sup>2</sup> )	Limit	Result
Lowest(2462MHz)	15.17	14.18	1	0.00355	1.0	Pass

Note: 1) Refer to report **MTEB25080089-R2** for EUT test Max Conducted average Output Power value.

Note: 2)  $P_d = (P_{out} \cdot G) / (4 \cdot \pi \cdot R^2) = (14.18 \cdot 1.26) / (4 \cdot 3.1416 \cdot 20^2) = 0.00355$

Note: 3 )EUT's Wifi module is more than 20cm away from the human body.

**BLE**

GFSK			
Test channel	Peak Output Power (dBm)	Tune up tolerance (dBm)	Maximum tune-up Power
			(dBm)
Lowest(2402MHz)	2.67	2.67±1	3.67
Middle(2440MHz)	3.00	3.00±1	4.00
Highest(2480MHz)	2.55	2.55±1	3.55

**BLE**

Worst case: GFSK						
Channel	Maximum tune-up Power (dBm)	Maximum tune-up Power (MW)	Antenna Gain (dBi)	Power Density at R = 20 cm (mW/cm <sup>2</sup> )	Limit	Result
Lowest(2440MHz)	4.00	1.10	1	0.00028	1.0	Pass

Note: 1) Refer to report **MTEB25080089-R1** for EUT test Max Conducted average Output Power value.

Note: 2)  $P_d = (P_{out} \cdot G) / (4 \cdot \pi \cdot R^2) = (1.10 \cdot 1.26) / (4 \cdot 3.1416 \cdot 20^2) = 0.00028$

Note: 3 )EUT's Wifi module is more than 20cm away from the human body.