



FCC RF EXPOSURE REPORT

Applicant	:	Kaijet Technology International Corporation
Address	:	8F., No. 109, Zhongcheng Road, Tucheng Dist., New Taipei City, Taiwan R.O.C
Equipment	:	Matter Enabled Smart Plug Power Strip With 4-Outlets and 4 USB™ Ports
Model No.	:	JSPAC4430
Trade Name	:	j5create
FCC ID.	:	2AD37JSPAC4430

I HEREBY CERTIFY THAT:

The sample was received on Aug. 14, 2024 and the testing was completed on Aug. 22, 2024 at Cerpass Technology Corp. The test result refers exclusively to the test presented test model / sample. Without written approval of Cerpass Technology Corp., the test report shall not be reproduced except in full.

Approved by:

Leevin Li / Supervisor



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History of this test report

Version No.	Report No	Date	Description
Rev.01	24050123-DRFCC02	Aug. 23, 2024	Initial Issue



1. Test Configuration of Equipment under Test

1.1 Feature of Equipment

Equipment	Matter Enabled Smart Plug Power Strip With 4-Outlets and 4 USB™ Ports
Model Name	JSPAC4430
Frequency Range	BLE/WIFI 2.4GHz: 2400MHz-2483.5MHz
Modulation Type	BLE: GFSK WIFI 2.4GHz: 802.11b: CCK, DQPSK, DBPSK 802.11g/n: BPSK, QPSK, 16QAM, 64QAM
Data Rate	BLE: GFSK: 1Mbps WIFI 2.4GHz: 802.11b: 1, 2, 5.5, 11Mbps 802.11g: 6, 9, 12, 18, 24, 36, 48, 54Mbps 802.11n: MCS0-MCS7, HT20/HT40
EUT Power Rating:	125V~ 60Hz 15A 1875W max USB-C: PD 5.0V=3.0A(15.0W), 9.0A=3.0A(27.0W), 12.0V=2.5A(30.0W Max) / PPS 5.0-11.0V=2.75A USB-A1: 5.0V=3.0A(15.0W), 9.0A=2.0A(18.0W), 12.0V=1.5A(18.0W Max) USB-A2/A3: 5.0V=2.0A(10.0W Max) USB-C + A1/A2/A3: PD 20.0W/PPS 19.8W + 5.0V=2.0A(10.0W) USB-A1+A2/A3 or A2+A3: 5.0V=2.0A(10.0W) USB-C+(A1+A2/A3) or C+(A2+A3): PD 20.0W/PPS 19.8W + (5.0V=2.0A(10.0W)) USB-A1+A2+A3: 5.0V=2.0A(10.0W) USB-C+(A1+A2+A3): PD 20.0W/PPS 19.8W + (5.0V=2.0A(10.0W)) Total DC Output: 30.0W Max

Note: For more details, please refer to the User's manual of the EUT.



1.2 General Information of Test

Test Site	Cerpass Technology Corporation(Cerpass Laboratory) Address: Room 102, No. 5, Xing'an Road, Chang'an Town, Dongguan City, Guangdong Province Tel: +86-769-8547-1212 Fax: +86-769-8547-1912
FCC Designation No.:	CN1288
Frequency Range Investigated:	Conducted: from 150kHz to 30 MHz Radiation: from 9kHz to 40,000MHz
Test Distance:	The test distance of radiated emission from antenna to EUT is 3 M.



2. Radio Frequency Exposure

Device category	☐ Portable (<20cm separation) ☒ Mobile (>20cm separation)
Exposure classification	☐ Occupational/Controlled exposure (S = 5mW/cm ²) ☒ General Population/Uncontrolled exposure (S=1mW/cm ²)
Antenna diversity	☒ Single antenna ☐ Multiple antennas ☐ Tx diversity ☐ Rx diversity ☐ Tx/Rx diversity
Evaluation applied	☒ MPE Evaluation* ☐ SAR Evaluation ☐ N/A

TEST RESULTS

No non-compliance noted.

Calculation

Given $E = \frac{\sqrt{30 \times P \times G}}{d}$ & $S = \frac{E^2}{3770}$

Where E = Field strength in Volts / meter
 P = Power in Watts
 G = Numeric antenna gain
 d = Distance in meters
 S = Power density in milliwatts / square centimeter

Combining equations and re-arranging the terms to express the distance as a function of the remaining variables yields:

$$S = \frac{30 \times P \times G}{3770 d^2}$$

Changing to units of mW and cm, using:

$$P \text{ (mW)} = P \text{ (W)} / 1000 \text{ and}$$
$$d \text{ (cm)} = d \text{ (m)} / 100$$

Yields

$$S = \frac{30 \times (P/1000) \times G}{3770 \times (d/100)^2} = 0.0796 \times \frac{P \times G}{d^2} \quad \text{Equation 1}$$

Where d = Distance in cm
 P = Power in mW
 G = Numeric antenna gain
 S = Power density in mW / cm²

**Maximum Permissible Exposure****Bluetooth**

Channel Frequency (MHz)	Max. Conducted output power (dBm)	Max. Tune up power (dBm)	Antenna Gain (dBi)	Distance (cm)	Power Density (mW/cm ²)	Limit (mW/cm ²)
2402-2480 (BLE)	5.690	7.690	-1.3	20	0.001	1

Wlan

Channel Frequency (MHz)	Max. Conducted output power (dBm)	Max. Tune up power (dBm)	Antenna Gain (dBi)	Distance (cm)	Power Density (mW/cm ²)
2412-2462	20.450	22.450	-1.3	20	0.026

Maximum Permissible Exposure (Co-location)

the sum of the ratios of the spatially averaged results to the applicable frequency dependent MPE limits :

Simultaneous transmission mode	The sum of the ratios	Result
Bluetooth +WLAN	$0.001/1+0.026/1$	$0.027 < 1$

Conclusion

The measurement results comply with the FCC Limit per 47 CFR 2.1091 for the uncontrolled RF Exposure of mobile device.

-----End of the report -----