

Test Report No.: 25031403-SE-US-01

RF Exposure Report

FCC ID: 2BPVT-XTA4503S2U

Applicant: Beijing Starway Technology Limited

Address: Room 301, 3rd Floor, Zhongke Zhihui Workshop Building 3, Xisanqi Building
Materials City, Haidian District, Beijing, China

Manufacturer: Beijing Starway Technology Limited

Address: Room 301, 3rd Floor, Zhongke Zhihui Workshop Building 3, Xisanqi Building
Materials City, Haidian District, Beijing, China

Product(s): Portal Panel Automatic Satellite station

Brand(s): OneLinQ

Test Model(s): XTA4503S2U

Series Model(s): N/A

Test Date: Apr. 09, 2025 ~ Sep. 21, 2025

Issued Date: Sep. 22, 2025

Issued By: Hwa-Hsing (Dongguan) Testing Co., Ltd.

Address: No.101, Building N1, Yuyuan 2 Road, Yuyuan Industrial Park, HuangJiang
Town, Dongguan City, People's Republic of China

Test Firm Registration No.: 915896

Standards: FCC Part 2(Section 2.1093)

The above equipment has been tested by **Hwa-Hsing (Dongguan) Testing Co., Ltd.**, and found compliance with the requirement of the above standards. The test record, data evaluation & Equipment Under Test (EUT) configurations represented herein are true and accurate accounts of the measurements of the sample's EMC characteristics under the conditions specified in this report.

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Release

Ver. 1.5

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Test Report No.: 25031403-SE-US-01

Release control record

Issue No.	Reason for change	Date Issued
25031403-SE-US-01	Original Release	Sep. 22, 2025

Lab: [Hwa-Hsing \(Dongguan\) Testing Co., Ltd.](#)Address: [No.101, Building N1, Yuyuan 2 Road, Yuyuan Industrial
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1 General Information**1.1 General Description of EUT**

Product(s)	Portal Panel Automatic Satellite station
Test Model(s)	XTA4503S2U
Sample No.	HS25031403001
Series Model(s)	N/A
Status of EUT	Engineering Prototype
Power Supply Rating	DC input form adater DC20V/5A 60W
Modulation Technology	WIFI 2.4G: DSSS; OFDM Ku Band: 8PSK, QPSK, BPSK
Transfer Rate	802.11b:11.0/ 5.5/ 2.0/ 1.0Mbps 802.11g: 54.0/ 48.0/ 36.0/ 24.0/ 18.0/ 12.0/ 9.0/ 6.0Mbps 802.11n: up to 300.0Mbps
Operating Frequency	WIFI 2.4G: 2412-2472MHz for 11b/g/n(HT20) 2422-2462MHz for 11n(HT40) Ku Band: TX: 13.75 – 14.50 GHz RX: 10.70 – 12.75 GHz
Number of Channel	802.11b, 802.11g, 802.11n (HT20): 11 802.11n (HT40): 9
Maximum Output Power (EIRP)	WIFI 2.4G: 16.1dBm Ku Band: 50.6dBm
Antenna Type and Antenna Gain	WIFI 2.4G: FPC Antenna ANT1: 2.25dBi, ANT2: 2.64dBi Ku Band: Array patch antenna
Antenna Connector	I-PEX
Software Version	V2.0.20250305.170235
Hardware Version	zeus-mb-pd31-250109
Accessory Device	Adapter*1
Data Cable Supplied	4.5m TYPE-C*1, 1m, 6A TYPE-C*1

Note:

1. Please refer to the EUT photo document (Reference No.: 25031403) for detailed product photo.
2. The above EUT information is declared by manufacturer and for more detailed features description, please refer to the manufacturer's specifications or User's Manual.
3. Hwa-Hsing (Dongguan) Testing Co., Ltd. is not responsible for the accuracy of the information provided by the manufacturer.

2 RF exposure limit

Limits for maximum permissible exposure (MPE)

Limits for general population / uncontrolled exposure				
Frequency range (MHz)	Electric field strength (V/m)	Magnetic field strength (A/m)	Power density (mW/cm ²)	Average time (minutes)
300-1500	...	...	F/1500	30
1500-100,000	...	...	1.0	30
Note: F = Frequency in MHz				

2.1 MPE calculation formula

$$P_d = (P_{out} \cdot G) / (4 \cdot \pi \cdot r^2)$$

Where:

 P_d = power density in mW/cm² P_{out} = output power to antenna in mW G = gain of antenna in linear scale π = 3.1416 R = distance between observation point and center of the radiator in cm**Classification:**

The antenna of this product, under normal use condition, is at least 100cm away from the body of the user.

3 Calculation SAR test exclusion thresholds

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

Function	Frequency	EIRP	Target Power /tolerance	Max tune up power tolerance		Distance (cm)	Power density (mW/cm ²)	Limit (mW/cm ²)
	(MHz)			(dBm)	(mW)			
WIFI 2.4G	2412	16.1	15.9±1	16.9	48.98	100	0.000390	1.0
Ku Band	14250	50.6	49.9±1	50.9	123026.88	100	0.979014	1.0

Conclusion:

Therefore, the worst-case situation is 0.979014 mW/cm², which is less than “1”. This confirmed that the device compliance with FCC 1.1310 MPE limit.

Appendix – Information on the Testing Laboratories

We, [Hwa-Hsing \(Dongguan\) Testing Co., Ltd.](#), A global provider of TESTING and CERTIFICATION services for consumer products, electronic products and wireless information technology products. Adhering to the core values “HONEST and TRUSTWORTHY, OBJECTIVE and IMPARTIALITY, RIGOROUS and AFFICIENT”, commitment to provide professional, perfect and efficient comprehensive ONE-STOP solution of TESTING and CERTIFICATION services for Manufacturers, Buyers, Traders, Brands, Retailers. Assist client to better manage risk, protect their brands, reduce costs and cut time to over 150 markets in global. Our laboratories are FCC recognized accredited test firms and accredited and approved according to ISO/IEC 17025.

If you have any comments, please feel free to contact us at the following:

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