

SIMULTANEOUS TRANSMISSION TEST REPORT

For

JUPITER AI KIT

MODEL NUMBER: SS23-QE-VA

REPORT NUMBER: 4791370812-RF-4

ISSUE DATE: Jun. 9, 2026

FCC ID: 2A36J-SS23-QE-VA

Prepared for

Yi Tunnel (Beijing)Technology Co., Ltd

**Room1511, Block B, SOHO Shangdu North Tower, Dongdaqiao Road 8 Chaoyang District
Beijing, China**

Prepared by

UL Verification Services (Guangzhou) Co., Ltd., Song Shan Lake Branch

Room 101, Building 2, No.4, Information Road, Songshan Lake, Dongguan, Guangdong, China

Tel: +86 769 22038881

Fax: +86 769 33244054

Website: www.ul.com

Revision History

Rev.	Issue Date	Revisions	Revised By
V0	Jun. 9, 2026	Initial Issue	

CONTENTS

1. ATTESTATION OF TEST RESULTS	4
2. FCC REQUIREMENT FOR SIMULTANEOUS TRANSMISSION	5
3. FACILITIES AND ACCREDITATION	5
4. CALIBRATION AND UNCERTAINTY	6
4.1. <i>MEASURING INSTRUMENT CALIBRATION.....</i>	<i>6</i>
4.2. <i>MEASUREMENT UNCERTAINTY</i>	<i>6</i>
5. EQUIPMENT UNDER TEST	7
5.1. <i>DESCRIPTION OF EUT.....</i>	<i>7</i>
5.2. <i>SETUP DIAGRAM.....</i>	<i>7</i>
6. MEASURING EQUIPMENT AND SOFTWARE USED	8
7. RADIATED TEST RESULTS	9

1. ATTESTATION OF TEST RESULTS

Applicant Information

Company Name: Yi Tunnel (Beijing)Technology Co., Ltd
Address: Room1511, Block B, SOHO Shangdu North Tower, Dongdaqiao Road 8
Chaoyang District Beijing, China

Manufacturer Information

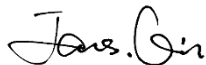
Company Name: Yi Tunnel (Beijing)Technology Co., Ltd
Address: Room1511, Block B, SOHO Shangdu North Tower, Dongdaqiao Road 8
Chaoyang District Beijing, China

EUT Information

EUT Name: Jupiter AI Kit
Model: SS23-QE-VA
Series Model: DN24
Sample Received Date: May 15, 2025
Sample Status: Normal
Sample ID: 7809095-1
Date of Tested: May 15, 2025 to June 10, 2025

APPLICABLE STANDARDS	
STANDARD	TEST RESULTS
CFR 47 FCC PART 2 CFR 47 FCC PART 22 CFR 47 FCC PART 24 CFR 47 FCC PART 27 CFR 47 Part 15 Subparts C	PASS

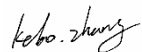
Prepared By:



James Qin

Project Engineer

Checked By:



Kebo Zhang

Operations Leader

Approved By:



Stephen Guo

Operations Manager

2. FCC REQUIREMENT FOR SIMULTANEOUS TRANSMISSION

Excerpt below from TCB Question 7 for FCC, FCC / TCB Workshop 10-23-02 Day 2. "The radios must be tested individually. Assuming that the radios do not share an antenna, only radiated tests for simultaneous transmission is required. If the radios share an antenna, antenna conducted measurements would also be required. Only one set of worst case simultaneous transmission data is going to be requested to be submitted at this time. The test engineer should indicate the worst case condition and provide justification as to why the worst case condition was chosen. The grantee should be reminded that even if the FCC requests one set of data, they are responsible for compliance for all modes of simultaneous transmission. Aggregate power must be considered in RF exposure evaluation."

3. FACILITIES AND ACCREDITATION

Accreditation Certificate	A2LA (Certificate No.: 4102.01) UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch. has been assessed and proved to be in compliance with A2LA. FCC (FCC Designation No.: CN1187) UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch. Has been recognized to perform compliance testing on equipment subject to the Commission's Declaration of Conformity (DoC) and Certification rules. ISED (Company No.: 21320) UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch. has been registered and fully described in a report filed with ISED. The Company Number is 21320 and the test lab Conformity Assessment Body Identifier (CABID) is CN0046. VCCI (Registration No.: C-20202, G-20240, R-20248 and T-20202) UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch. has been assessed and proved to be in compliance with VCCI, the Membership No. is 3793. Facility Name: Chamber E, the VCCI registration No. is G-20240 and R-20248 Shielding Room F, the VCCI registration No. is C-20202 and T-20202
------------------------------	---

Note:

1. All measurement facilities that used to collect the measurement data are located at Room 101, Building 2, No.4, Information Road, Songshan Lake, Dongguan, Guangdong, China.
2. The anechoic chamber in UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch had been calibrated and compared to the open field site (OFS), the anechoic chamber is proved to be equivalent to the worst case from the open field site (OFS).
3. Radiation measurements below 30 MHz have been performed in anechoic chamber, the measurement result is compared to the result that obtained on an open field site (OFS) and have been correlated to measurements result collected on an open field site (OFS).

4. CALIBRATION AND UNCERTAINTY

4.1. MEASURING INSTRUMENT CALIBRATION

The measuring equipment utilized to perform the tests documented in this report has been calibrated in accordance with the manufacturer's recommendations and is traceable to recognized national standards.

4.2. MEASUREMENT UNCERTAINTY

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the apparatus:

Test Item	Uncertainty
Radiated Emission (Included Fundamental Emission) (9 kHz ~ 30 MHz)	2.2 dB
Radiated Emission (Included Fundamental Emission) (30 MHz ~ 1 GHz)	4.00 dB
Radiated Emission (Included Fundamental Emission) (1 GHz to 26 GHz)	5.78 dB (1 GHz ~ 18 GHz)
	5.23 dB (18 GHz ~ 26 GHz)
Note: This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.	

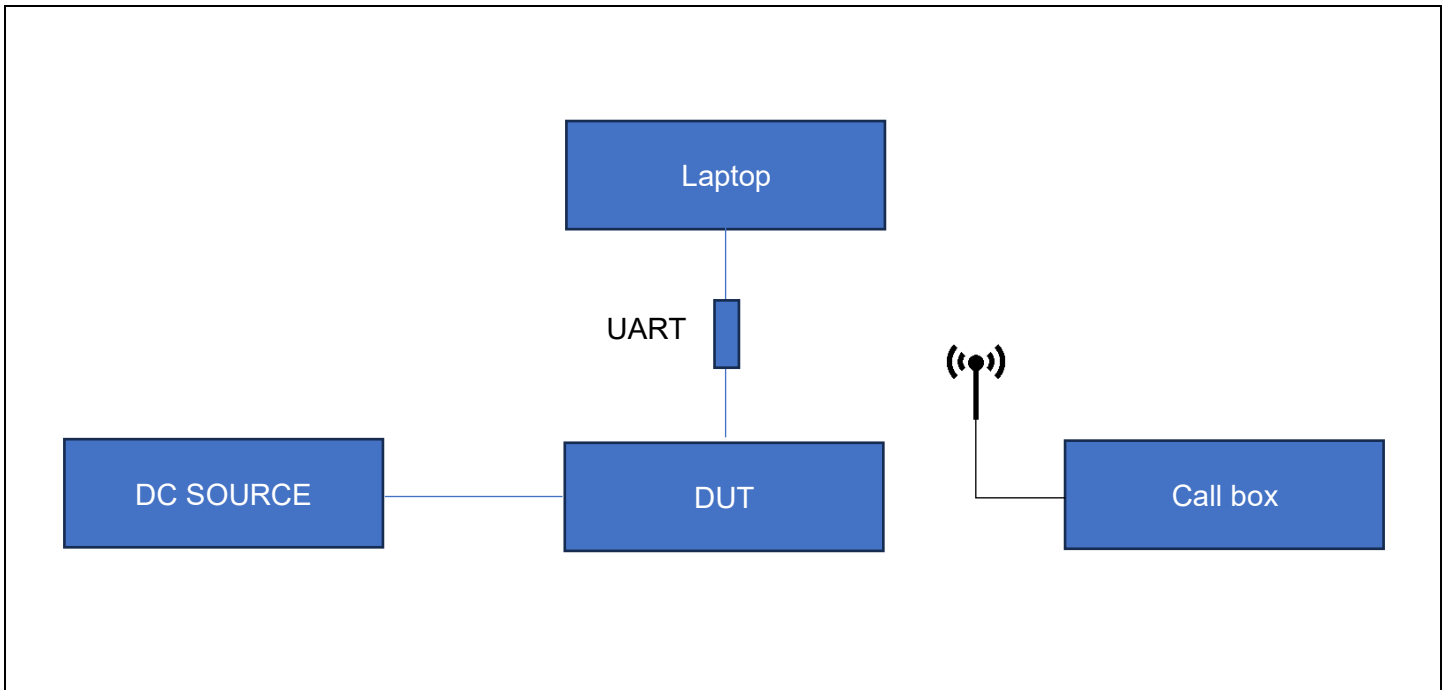
Remark: For Radiated Emission measurements (200 MHz - 18 GHz), the EUT support table is made of Expanded Polystyrene (EPS). This material is characterized by a low dielectric constant, as recognized in CISPR 16-1-4, to minimize its influence on field strength measurements. This influence has been considered in the uncertainty budget.

5. EQUIPMENT UNDER TEST

5.1. DESCRIPTION OF EUT

EUT Name	Jupiter AI Kit
Model	SS23-QE-VA
Series Model	\
Model Difference	\
EUT Classification	Class B

5.2. SETUP DIAGRAM



6. MEASURING EQUIPMENT AND SOFTWARE USED

Radiated Emissions					
Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Due Date
MXE EMI Receiver	KESIGHT	N9038A	MY56400036	Sep.28, 2024	Sep.27, 2025
Hybrid Log Periodic Antenna	TDK	HLP-3003C	130960	June 28, 2024	June.27 2027
Preamplifier	HP	8447D	2944A09099	Sep.28, 2024	Sep.27, 2025
EMI Measurement Receiver	R&S	ESR26	101377	Sep.28, 2024	Sep.27, 2025
Horn Antenna	TDK	HRN-0118	130940	Dec.10, 2024	Dec.11, 2027
Preamplifier	TDK	PA-02-0118	TRS-305-00067	Sep.28, 2024	Sep.27, 2025
Horn Antenna	Schwarzbeck	BBHA9170	697	Jun 30, 2024	Jun 29, 2027
Preamplifier	TDK	PA-02-2	TRS-307-00003	Sep.28, 2024	Sep.27, 2025
Preamplifier	TDK	PA-02-3	TRS-308-00002	Sep.28, 2024	Sep.27, 2025
Loop antenna	Schwarzbeck	1519B	00008	Dec.09, 2024	Dec.08, 2027
High Pass Filter	Wi	WHKX10-2700-3000-18000-40SS	23	Sep.28, 2024	Sep.27, 2025
Band Reject Filter	Wainwright	WRCJV8-2350-2400-2483.5-2533.5-40SS	4	Sep.28, 2024	Sep.27, 2025
Software					
Description			Manufacturer	Name	Version
Test Software for Radiated Emissions			Farad	EZ-EMC	Ver. UL-3A1

Other Instrument					
Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Due Date
Temperature humidity probe	OMEGA	ITHX-SD-5	18470007	Oct.8, 2024	Oct.7, 2025
Barometer	Yiyi	Baro	N/A	Oct.10, 2024	Oct.9, 2025
Attenuator	Agilent	8495B	2814a12853	Sep.28, 2024	Sep.27, 2025

7. RADIATED TEST RESULTS

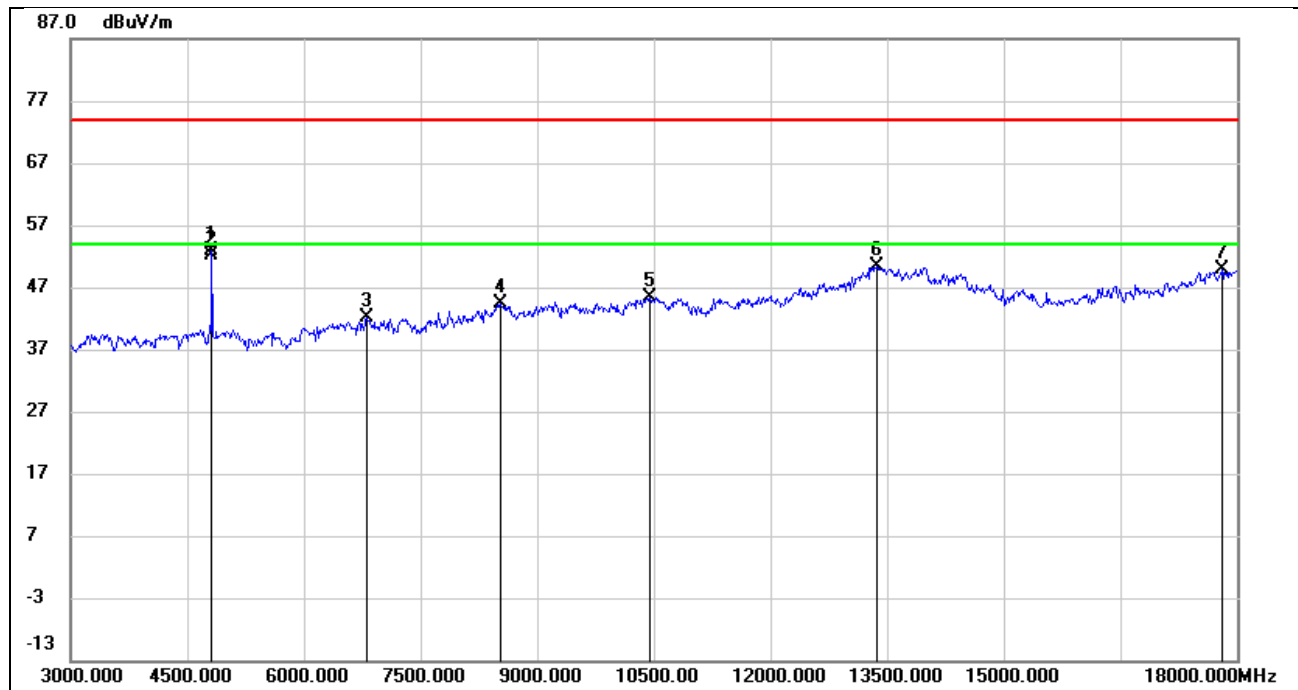
TEST ENVIRONMENT

Temperature	23.8 °C	Relative Humidity	49%
Atmosphere Pressure	101kPa	Test Voltage	

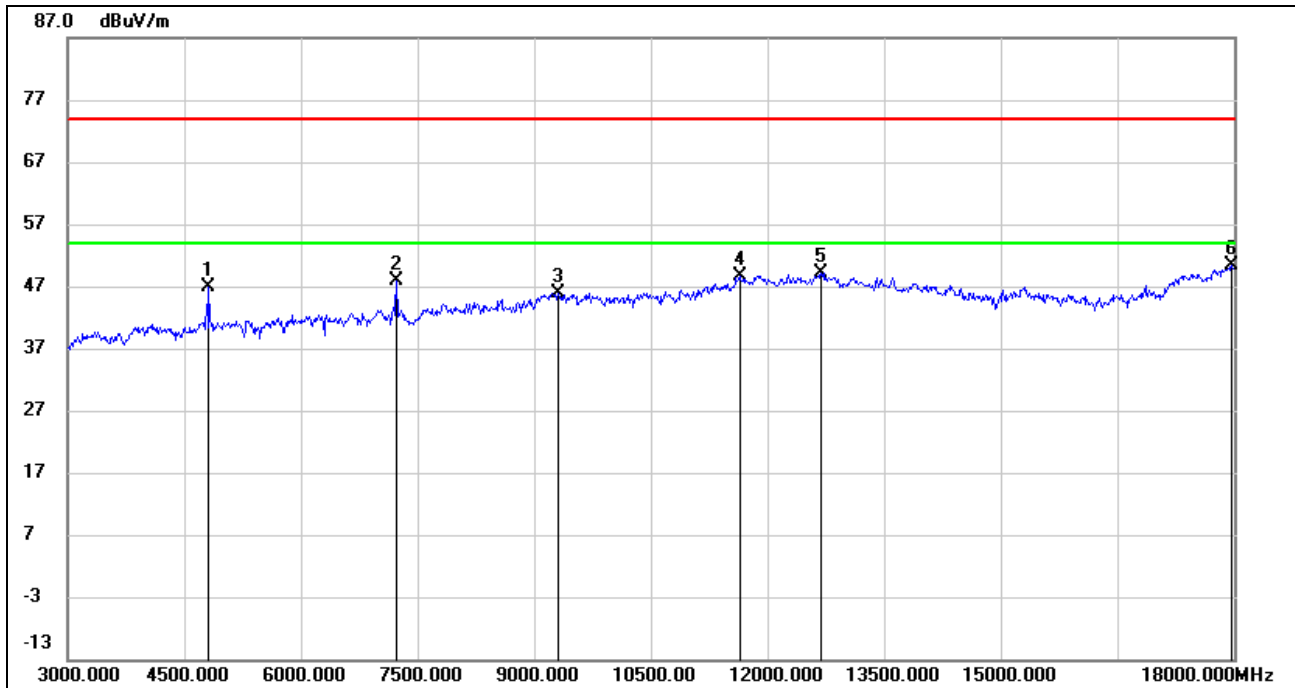
TEST DATE / ENGINEER

Test Date	June 5, 2025	Test By	Mason Wang
-----------	--------------	---------	------------

TEST RESULTS



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4815.000	52.26	0.65	52.91	74.00	-21.09	peak
2	4815.000	51.46	0.65	52.11	54.00	-1.89	AVG
3	6810.000	36.83	5.23	42.06	74.00	-31.94	peak
4	8520.000	35.98	8.40	44.38	74.00	-29.62	peak
5	10455.000	32.17	13.32	45.49	74.00	-28.51	peak
6	13365.000	29.36	20.92	50.28	74.00	-23.72	peak
7	17805.000	22.57	27.30	49.87	74.00	-24.13	peak



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4815.000	46.37	0.49	46.86	74.00	-27.14	peak
2	7230.000	41.36	6.45	47.81	74.00	-26.19	peak
3	9315.000	35.61	10.26	45.87	74.00	-28.13	peak
4	11640.000	31.58	17.14	48.72	74.00	-25.28	peak
5	12690.000	30.64	18.60	49.24	74.00	-24.76	peak
6	17970.000	23.78	26.72	50.50	74.00	-23.50	peak

Note: all modes have been tested, only the worst data (LTE B2 + 2.4GHz Wi-Fi) reported.

END OF REPORT