MPE TEST REPORT

FCC ID: 2BAWK- SCP1009

Product Name	:	Sixfab Jumpstart 5G
Brand Name	:	Sixfab
Test Model	:	SCP1009
Series Model	:	Jumpstart
Applicant	:	Sixfab, Inc
Address	:	1185 Campbell Ave, Unit K12, San Jose, CA 95126, United States
Manufacturer	:	Sixfab, Inc
Address	:	1185 Campbell Ave, Unit K12, San Jose, CA 95126, United States
Date of Receipt	:	2023.02.05
Date of Test	:	2023.02.06-2023.06.13
Issued Date	:	2023.06.14
Report Version	:	V1.0
Test Sample	:	Engineering Sample No.: AIT23020302-1
Standard(s)	:	FCC Title 4 7 Part 2. 1091 KDB 447498 001 General RF exposure guidance v06

Lab:Dongguan Yaxu (AiT) Technology Limited
Add:No.22,Jinqianling 3rd Street,Jitigang,Huangjiang,Dongguan, Guangdong,China
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This device described above has been tested by Dongguan Yaxu (AiT) Technology Limited and the test results show that the equipment under test (EUT) is in compliance with the FCC requirements. And it is applicable only to the tested sample identified in the report.

Reviewed by: Simba huang **Approved by:** Seal Chen

Revision History

Revision	Issue Date	Revisions	Revised By
V1.0	2023.06.14	Initial Issue	Seal Chen

1. TEST FACILITY

Company:	Dongguan Yaxu (AiT) Technology Limited
Address:	No.22, Jinqianling 3rd Street, Jitigang, Huangjiang,Dongguan, Guangdong, China
CNAS Registration Number:	CNAS L6177
A2LA Registration Number:	6317.01
FCC Accredited Lab. Designation Number:	CN1313
FCC Test Firm Registration Number:	703111

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

Antenna Specification:

For N41:

Ant.	Brand	Model Name	Antenna Type	Connector	Gain (dBi)
1	N/A	N/A	Microstrip Antenna	N/A	3.2

For N77/N78 3.5G band:

Ant.	Brand	Model Name	Antenna Type	Connector	Gain (dBi)
1	N/A	N/A	Microstrip Antenna	N/A	1.99

For N77/N78 3.7G band:

Ant.	Brand	Model Name	Antenna Type	Connector	Gain (dBi)
1	N/A	N/A	Microstrip Antenna	N/A	2.75

Note: The antenna gain is provided by the manufacturer.

3. TEST RESULTS

For N41:

Directional Gain (dBi)	Directional Gain (numeric)	Max. Output Power (dBm)	Max. Output Power (mW)	Power Density (S) (mW/cm^2)	Limit of Power Density (S) (mW/cm^2)	Test Result
3.2	2.09	25.13	325.84	0.1355	1	Complies

For N77/N78 3.5G band:

Directional Gain (dBi)	Directional Gain (numeric)	Max. Output Power (dBm)	Max. Output Power (mW)	Power Density (S) (mW/cm^2)	Limit of Power Density (S) (mW/cm^2)	Test Result
1.99	1.58	24.25	266.0725	0.0837	1	Complies

For N77/N78 3.7G band:

Directional Gain (dBi)	Directional Gain (numeric)	Max. Output Power (dBm)	Max. Output Power (mW)	Power Density (S) (mW/cm^2)	Limit of Power Density (S) (mW/cm^2)	Test Result
2.75	1.88	25.21	331.89	0.124	1	Complies

Note:

1.Only the worst case recorded.

2. Output power including tune up tolerance.

3. The calculated distance is 20 cm.

4. CONCLUSION

Remark: EUT meets the basic requirements in the standard.

----END OF REPORT----