



FCC RF EXPOSURE REPORT CERTIFICATION TEST REPORT

For

IEEE 802.11a/b/g/n/ac 2T2R USB Wi-Fi Module Integrated BT 2.1+EDR/4.2/5.1

MODEL NUMBER: SKO.WB663U.3

FCC ID: 2AR82-SKOWB663U301

IC: 24728-SKOWB663U31

REPORT NUMBER: 4790053515-5

ISSUE DATE: August 17, 2021

Prepared for

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Prepared by

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Revision History

Rev.	Issue Date	Revisions	Revised By
V0	08/17/2021	Initial Issue	

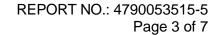




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1. ATTESTATION OF TEST RESULTS

Applicant Information

Company Name: Guangzhou Shikun Electronics Co., Ltd

Address: NO.6 Liankun Road, Huangpu District, Guangzhou, China

Manufacturer Information

Company Name: Guangzhou Shikun Electronics Co., Ltd

Address: NO.6 Liankun Road, Huangpu District, Guangzhou, China

EUT Information

EUT Name: IEEE 802.11a/b/g/n/ac 2T2R USB Wi-Fi Module Integrated BT

2.1+EDR/4.2/5.1

Model: SKO.WB663U.3 Sample Received Date: August 04, 2021

Sample Status: Normal Sample ID: 4123864

Date of Tested: August 06, 2021 ~ August 16, 2021

APPLICABLE STANDARDS						
STANDARD TEST RESULTS						
FCC 47CFR§2.	FCC 47CFR§2.1091 PASS					
Prepared By: Checked By:						
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Mick Zhang
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2. TEST METHODOLOGY

The tests documented in this report were performed in accordance with 47 CFR FCC Part 2 Subpart J, section 2.1091.

3. FACILITIES AND ACCREDITATION

	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)
Accreditation	UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch.
Certificate	has been registered and fully described in a report filed with
	Industry Canada. The Company Number is 21320.
	VCCI (Registration No.: G-20019, R-20004, C-20012 and T-20011)
	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 D, the VCCI registration No. is G-20019 and R-20004
	Shielding Room B, the VCCI registration No. is C-20012 and T-20011

Note: All tests measurement facilities use to collect the measurement data are located at Building 10, Innovation Technology Park, Song Shan Lake Hi tech Development Zone, Dongguan, 523808, China.



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4. REQUIREMENT

LIMIT AND CALCULATION METHOD

Systems operating under the provisions of FCC 47 CFR section shall be operated in a manner that ensures that the public is not exposed to radio frequency energy level in excess of the Commission's guidelines.

In accordance with 47 CFR FCC Part 2 Subpart J, section 2.1091 this device has been defined as mobile device whereby a distance of 0.2m normally can be maintained between the user and the device, and below RF Permissible Exposure limit shall comply with. Limits for General Population/Uncontrolled Exposure

RF EXPOSURE LIMIT

Frequency Range (MHz)	E-field Strength (E) (V/m)	Magnetic Field Strength (H) (A/m)	Power Density (S) (mW/cm²)	Averaging Time E ², H ² or S (Minutes)
0.3 1.34	614	1.63	(100)*	30
1.34 30	824/f	2.19/f	(180/f ²)*	30
30 300	27.5	0.073	0.2	30
300 1500			f/1500	30
1500 100,000			1.0	30

CALCULATION METHOD

 $S=PG/4\pi R^2$

Where:

S=power density

P=power input to 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



CALCULATED RESULTS

BT (Worst case)							
Operating	Max. Tune up Power	Antenna Gain		Power density	Limit		
Mode	(dBm)	(dBi)	(num)	(mW/ cm ²)	1		
3DH5	6.6	4.93	3.11	0.00283	1		

BLE (Worst case)							
Operating	Max. Tune up Power	Antenna Gain Pov		Power density	Limit		
Mode	(dBm)	(dBi)	(num)	(mW/ cm ²)			
BLE-1M	3.5	4.93	3.11	0.00139	1		

WIFI 2.4G (Worst case)							
Operating	Max. Tune up Power	er Directional Gain Power de		Power density	Limit		
Mode	(dBm)	(dBi)	(num)	(mW/ cm ²)	Liiiii		
802.11 n20	17	4.76	3.00	0.02984	1		

WIFI 5G (Worst case)							
Operating	Max. Tune up Power	Directional Gain		Power density	Limit		
Mode	(dBm)	(dBi)	(num)	(mW/ cm ²)			
802.11ac 80	17	5.03	3.18	0.03175	1		

Note: 1. The calculated distance is 20cm.

2. The customer declared that BT, BLE and WIFI can't transmit simultaneously.

Therefor the maximum calculations of above situations are less than the "1" limit.

END OF REPORT