TEST REPORT

Application No.:	BTEK240919001AE
Applicant:	Skyland Innovation
Address of Applicant:	Office 01,10th Floor, Bd 5A,Chuangzhi Yuncheng Phase II Project,Xili St, Nanshan Dt,Shenzhen
Manufacturer:	Skyland Innovation
Address of Manufacturer:	Office 01,10th Floor, Bd 5A,Chuangzhi Yuncheng Phase II Project,Xili St, Nanshan Dt,Shenzhen
Equipment Under Test (EUT):	
EUT Name:	Real-Scene 3D LiDAR Scanner
Test Model.:	MetaCam RTK
Adding Model(s):	/
Trade Mark:	SKYLAND INNOVATION
FCC ID:	2BLGA-METACAMRTK
Standard(s) :	47 CFR Part 2 Subpart J Section 2.1093 447498 D01 General RF Exposure Guidance v06
Date of Receipt:	2024-09-19
Date of Test:	2024-09-23 to 2024-09-25
Date of Issue:	2024-09-26
Test Result:	**Pass***

* In the configuration tested, the EUT complied with the standards specified above.

Lion Cai/ Approved & Authorized
EMC Laboratory Manager

Revision Record				
Version	**Chapter**	**Date**	**Modifier**	**Remark**
V0		2024-09-26		*Original*

Authorized for issue by:				
		Zora Huang **Zora Huang/Project Engineer**		
		June Li **June Li/Reviewer**		

Remarks:

The results shown in this test report refer only to the sample(s) tested, this test report cannot be reproduced, except in full, without prior written permission of the company. The report would be invalid without specific stamp of test institute and the signatures of compiler and approver.

2 Contents

General Information

3.1 Details of E.U.T.

Power supply:	Adapter:GaN 65W Fast Charger（2C1A） Model:CD296 Adapter Input:AC 100-240V/1.8Amax USB-C1/C2 Output: 5.0V⎓3.0A/9.0V⎓3.0A/12.0V⎓3.0A 15.0V⎓3.0A/20.0V⎓3.25A/3.3-21.0V⎓3.0A 65.0W Max USB-A Output: 4.5V⎓5.0A/5.0V⎓4.5A/5.0V⎓3.0A/9.0V⎓2.0A 12.0V⎓1.5A 22.5W Max Total Output Power: 65.0W Max Hand shank input:Rechargeable Li-ion Battery Model:C1405A1 Nominal Voltage:14.4V⎓ Rated Capacity:3150mAh Nominal Energy:45.36Wh Limited Charging Voltage:16.8V USB Port Input: 5V⎓2A/PD30W
Support Standards:	802.11b, 802.11g, 802.11n-HT20, 802.11n-HT40
Frequency Range:	2412-2462MHz for 802.11b/g/n(HT20) 2422-2452MHz for 802.11n(HT40)
Type of Modulation:	802.11b: DSSS; 802.11g/n: OFDM
Quantity of Channels	11 for 802.11b/g/n(HT20) 7 for 802.11n(HT40)
Channel Separation:	5MHz
Type of Antenna:	FPC Antenna
Antenna Gain	ANT1:1.09dBi ANT2:1.09dBi
Sample No.:	BTEK240919001AE-01
Remark: The information in this section is provided by the applicant or manufacturer, BANTEK is not liable to the accuracy, suitability, reliability or/and integrity of the information.	

3.2 Description of Support Units

Description	Manufacturer	Model No.	Serial No.
/	/	/	/

3.3 Test Location

All tests were performed at:
Shenzhen BANTEK Testing Co., Ltd.,
A5&A6, Building B1&B2, No.45 Gangtou Road, Bogang Community, Shajing Street, Bao'an District, Shenzhen, Guangdong, China 518103
Tel:0755-2334 4200 Fax: 0755-2334 4200
FCC Registration Number: 264293
Designation Number: CN1356
No tests were sub-contracted.

3.4 Deviation from Standards

None

3.5 Abnormalities from Standard Conditions

None

4 Test Requirement

KDB447498 D01 General RF Exposure Guidance v06, Clause 4.3.1(b)

[(max. power of channel, including tune-up tolerance, mW) / (min. test separation distance, mm)] • [√f(GHz)] ≤ 3.0

Where

-f(GHz) is the RF channel transmit frequency in GHz

-Power and distance are rounded to the nearest mW and mm before calculation

-The test exclusions are applicable only when the minimum test separation distance is ≤ 50 mm, and for transmission frequencies between 100 MHz and 6 GHz. When the minimum test separation distance is < 5 mm, a distance of 5 mm according to 4.1 f) is applied to determine SAR test exclusion.

4.1Assessment Result

☒ **Passed** ☐ **Not Applicable**

Type	Frequency (MHz)	Conducted Power (dBm)	Maximum Tune-up (dBm)	Calculating data	Limit	Result
2.4G-Wi-Fi	2437	7.53	7.60	1.80	3.0	Pass

Note: The exposure evaluation safety distance is 5mm.

- End of the Report -