

Report No.: KSCR220600100001

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TEST REPORT

Application No.: KSCR2206001000AT (SZCR2205001575AT)

FCC ID: 2AG328015GM11HPEUD **Applicant:** Baicells Technologies Co., Ltd.

Address of Applicant: 9-10F, 1stBldg., No.81BeiqingRoad, Haidian District, Beijing, China

Manufacturer: Baicells Technologies Co., Ltd.

Address of Manufacturer: 9-10F, 1stBldg., No.81BeigingRoad, Haidian District, Beijing, China

Equipment Under Test (EUT):

EUT Name: LTE Outdoor CPE

Model No.: EG8015G-M11-HP-EUD

Trade Mark: Baicells

Standard(s): FCC Part 96.47

FCC KDB 940660 D01 Part 96 CBRS Eqpt v03

WINNF-TS-0122-V1.0.1 CBRS CBSD Test Specification

WINNF-18-IN-00178 CBRS End User Device as UUT Test Guidelines

Date of Receipt: 2022-05-09

Date of Test: 2022-06-09 to 2022-06-10

Date of Issue: 2022-06-14

Test Result: Pass*

Frictin

Laboratory Manager

The manufacturer should ensure that all products in series production are in conformity with the product sample detailed in this report. If the product in this report is used in any configuration other than that detailed in the report, the manufacturer must ensure the new system complies with all relevant standards. Any mention of SGS International Electrical Approvals or testing done by SGS International Electrical Approvals in connection with, distribution or use of the product described in this report must be approved by SGS International Electrical Approvals in writing.



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



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Revision Record					
Version	Version Description Date				
00	Original	2022-06-14	1		

Authorized for issue by:			
	Damon zhou		
	Damon Zhou / Project Engineer		
	Eric Li		
	Eric Lin / Reviewer	_	



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2 Test Summary

Item	Standard	Test Case ID	Result
End User Device additional requirement	96.47	1	Pass

The UUT is an End User Device. According to the specifications of the manufacturer, it must comply with the requirements of the following standards:

Test standards:

FCC Part 96.47

FCC KDB 940660 D01 Part 96 CBRS Eqpt v03

WINNF-TS-0122-V1.0.1 CBRS CBSD Test Specification

WINNF-18-IN-00178 CBRS End User Device as UUT Test Guidelines



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4 General Information

4.1 Details of E.U.T.

Power supply:	Adapter Model NO.: G0720-240-050	
	Input: 100-240V~50/60Hz, 0.75A MAX	
	Output: 24.0V, 0.5A, 12.0W	
Sample Type:	End User device	
Transmitter Frequency Band:	LTE Band 48	
Transmitter Frequency Range:	3550~3700MHz	
Hardware Version:	VER.A	
Software Version:	BaiCE_BG_1.9.2	
Test sample:	1203000148219JB0002 (S/N)	
Antenna Gain:	18dBi	
MIMO Type:	2T4R MIMO	

4.2 Measurement Uncertainty

No.	Item	Measurement Uncertainty
1	Radio Frequency	± 7.25 x 10 ⁻⁸
2	RF conducted power	± 0.75dB
3	Temperature test	± 1°C
4	Humidity test	± 3%
5	Supply voltages	± 1.5%
6	Time	± 3%

4.3 Description of Support Units

Description	Manufacturer	Model No.	Serial No.	
EPC	Lanner Electronics Inc.	LICA-1513A	LR202002004052	
OMC	Lanner Electronics Inc. LICA-1513A		LR202002004054	
Router	TP-LINK	TL-R860+	1175379002425	
		mBS31001H		
Base station	Baicells	(FCC ID: 2AG32MBS3100196N)	1202000240194DP0023	



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4.4 Test Location

All tests were performed at:

Compliance Certification Services (Kunshan) Inc.

No.10 Weiye Rd, Innovation park, Eco&Tec, Development Zone, Kunshan City, Jiangsu, China.

Tel: +86 512 5735 5888 Fax: +86 512 5737 0818

No tests were sub-contracted.

4.5 Test Facility

The test facility is recognized, certified, or accredited by the following organizations:

• CNAS (No. CNAS L4354)

CNAS has accredited Compliance Certification Services (Kunshan) Inc. to ISO/IEC 17025:2017 General Requirements for the Competence of Testing and Calibration Laboratories (CNAS-CL01 Accreditation Criteria for the Competence of Testing and Calibration Laboratories) for the competence in the field of testing.

• A2LA (Certificate No. 2541.01)

Compliance Certification Services (Kunshan) Inc. is accredited by the American Association for Laboratory Accreditation (A2LA). Certificate No. 2541.01.

• FCC (Designation Number: CN1172)

Compliance Certification Services (Kunshan) Inc. has been recognized as an accredited testing laboratory. Designation Number: CN1172.

• ISED (CAB identifier: CN0072)

Compliance Certification Services (Kunshan) Inc. has been recognized by Innovation, Science and Economic Development Canada (ISED) as an accredited testing laboratory.

Company Number: 2324E • VCCI (Member No.: 1938)

The 3m and 10m Semi-anechoic chamber and Shielded Room of Compliance Certification Services (Kunshan) Inc. has been registered in accordance with the Regulations for Voluntary Control Measures with Registration No.: R-20134, R-11600, C-11707, T-11499, G-10216 respectively.



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5 Equipment List

Test Equipment	Manufacturer	Model No.	Inventory No.	Cal. Date	Cal. Due date
Laptop	Lenovo	Y510P	HFL000026	N/A	N/A
Spectrum Analyzer	KEYSIGHT	N9030B	KSEM021-1	2022/01/22	2023/01/22
Shield Room	研创	N/A	KS301115-2	N/A	N/A
Coaxial Cable	Thermax	N/A	14	2021/10/16	2022/10/15
Attenuator	Mini-Circuits	NAT-6-2W	15542-1	N.C.R.	N.C.R.
Humidity / Temperature Indicator	Anymetre	TH603	CZ700001(4/7)	2021/10/14	2022/10/13



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6 Test Method and Environment

6.1 End User Device Conformance and Performance

Test Requirement: FCC Part 96.47

Test Method: WINNF-18-IN-00178 CBRS End User Device as UUT Test Guidelines

6.2 Test Environment

Environmental Conditions: 25deg. C, 65%RH

6.3 Test Requirement

FCC Part 96.47

- a). End User Devices may operate only if they can positively receive and decode an authorization signal transmitted by a CBSD, including the frequencies and power limits for their operation.
- b). An End User Device must discontinue operations, change frequencies, or change its operational power level within 10 seconds of receiving instructions from its associated CBSD.

6.4 Test Procedure

Following procedure can be done by applying WINNF-TS-0122-V1.0.1 CBRS CBSD Test Specification, use the certified Base station CBSD (FCC ID: 2AG32MBS3100196N) as companion device to show compliance with Part 96.47 requirement for End User Device (EUD):

- 1. Setup with frequency 3550-3560MHz and power level 18dBm/MHz;
- 2. Enable CBSD service;
- 3. Check EUD Tx Frequency and power;
- 4. Disable CBSD service;
- 5. Check EUD stops transmission within 10seconds;
- 6. Setup with frequency 3590-3600MHz and power level 8dBm/MHz;
- 7. Enable CBSD service:
- 8. Check EUD Tx Frequency and power;
- 9. Disable CBSD service;
- 10. Check EUD stops transmission within 10seconds.



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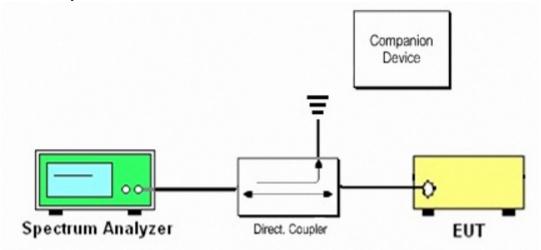
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6.5 Test Setup



End User Device as UUT, the companion device is certified CBSD



Test Report Form Version: Rev01

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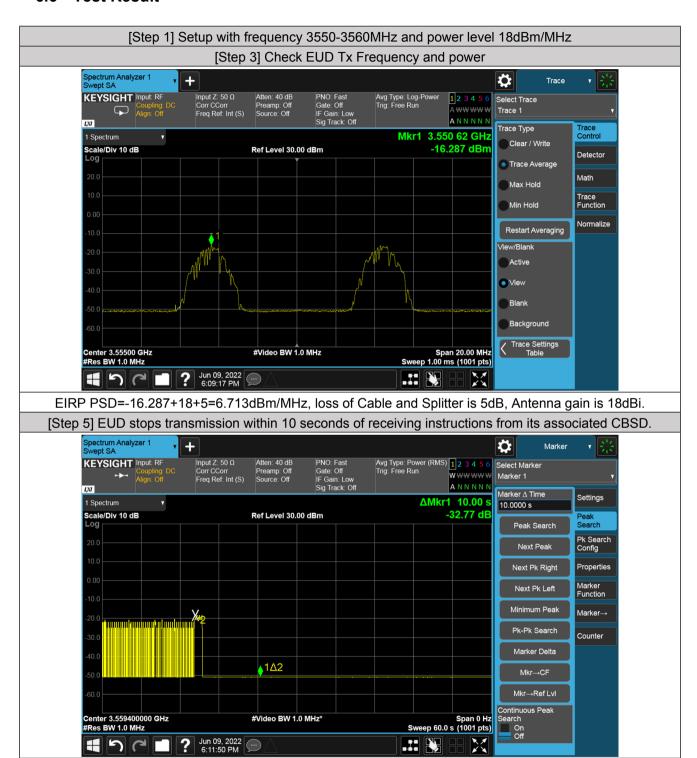
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6.6 Test Result





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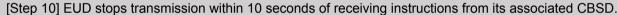


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[Chan 40] ELID stand transmission within 40 seconds of resolving instructions from its second-test (CRCR)







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7 Photographs

7.1 EUT Constructional Details (EUT Photos)

Please Refer to Integral and internal photos for details.

- End of the Report -



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