	VERITAS
	CBSD-EUD Test Report
Report No.:	RF190801D01-2
FCC ID:	P27LU211
Test Model:	Adventure Wingle LU211
Received Date:	Aug. 01, 2019
Test Date:	Aug 16, 2019
Issued Date:	Oct. 01, 2019
	Sercomm Corp. 8F, No. 3-1, YuanQu St., NanKang, Taipei 115, Taiwan, R.O.C. (NanKang Software Park)
Issued By:	Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch Lin Kou Laboratories
Lab Address:	No. 47-2, 14th Ling, Chia Pau Vil., Lin Kou Dist., New Taipei City, Taiwan
Test Location:	No. 19, Hwa Ya 2nd Rd., Wen Hwa Vil., Kwei Shan Dist., Taoyuan City 33383, Taiwan
FCC Registration/ Designation Number:	788550 / TW0003

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## **Release Control Record**

Issue No.	Description	Date Issued
RF190801D01-2	Original release	Oct. 01, 2019



#### 1 **Certificate of Conformity**

Product:	LTE Wi-Fi Dongle
Brand:	Sercomm
Test Model:	Adventure Wingle LU211
Sample Status:	Engineering sample
Applicant:	Sercomm Corp.
Test Date:	August. 16, 2019
Standards:	FCC Part 96.47

The above equipment has been tested by Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch, and found compliance with the requirement of the above standards. The test record, data evaluation & Equipment Under Test (EUT) configurations represented herein are true and accurate accounts of the measurements of the sample's RF characteristics under the conditions specified in this report.

Prepared by :

Petrie Cher

Pettie Chen / Senior Specialist

, Date:

Oct. 01, 2019

Oct. 01, 2019 Date:

Approved by :

Bruce Chen / Senior Project Engineer



# 2 Summary of Test Results

Applied Standard : FCC Part 96.47				
FCC Clause Test Item Result Remarks				
96.47(a)(1)	End User Device additional requirements	Pass	Meet the requirement	

### 2.1 Modification Record

There were no modifications required for compliance.



## 3 General Information

## 3.1 General Description of EUT

Product	LTE Wi-Fi Dongle
Brand	Sercomm
Test Model	Adventure Wingle LU211
Status of EUT	Engineering sample
Accessory Device	NA
Data Cable Supplied	NA

Note:

1. The above EUT information is declared by manufacturer and for more detailed features description, please refers to the manufacturer's specifications or user's manual.



#### 4 Measurement

#### 4.1 End User Device additional requirements

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.
- (1) 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.

#### 4.2 Test Procedure

Following test procedure can be done by WINNF-TS-0122 CBRS CBSD Test Specification, use the certifited CBSD(FCC ID: P27P208) as CBSD device to show compliance with FCC Part 96.47 requirements for End User Device(EUD):

Test #1:

- a) Setup WINNF.PT.C.HBT.1 with 3615 ~ 3635 MHz and MaxEIRP at 10 dBm/MHz.
- b) Enable CBSD service from EPC management.
- c) Check EUD Tx Frequency and connection successful.
- d) Disable AP service from EPC management.
- e) **Check** if EUT stop transmission within 10s.

Test #2:

- a) Setup WINNF.PT.C.HBT.1 with 3595 ~ 3615 MHz and MaxEIRP at 15 dBm/MHz.
- b) Enable CBSD service from EPC management.
- c) **Check** EUD Tx Frequency and connection successful.
- d) Change power to 10 dBm/MHz.
- e) Check EUD Tx output power.
- f) Disable AP service from EPC management.
- g) **Check** if EUT stop transmission within 10s.



## 4.3 Test Environment

#### **Test Condition**

Test Item	Environmental Conditions	Input Power	Tested By	
End User Device additional requirements	25deg. C, 72%RH	120Vac, 60Hz	Matthew Yang	

#### 4.4 Test Equipment

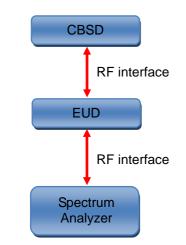
Description & Manufacturer	Model no.	Serial No.	Calibrated Date	Calibrated Until
CBSD	P208-TP	1801BVV000034	NA	NA
Sercomm	(FCCID:P27P208)			
Laptop DELL	Inspiron 15 3000	D67MYN2	NA	NA
Spectrum Analyzer ROHDE & SCHWARZ	FSV	E2-010642	May 28, 2019	May 27, 2020

NOTE: 1. The test was performed in OVEN 4 Test Room

2. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.

3. Tested Date: Aug. 16, 2019

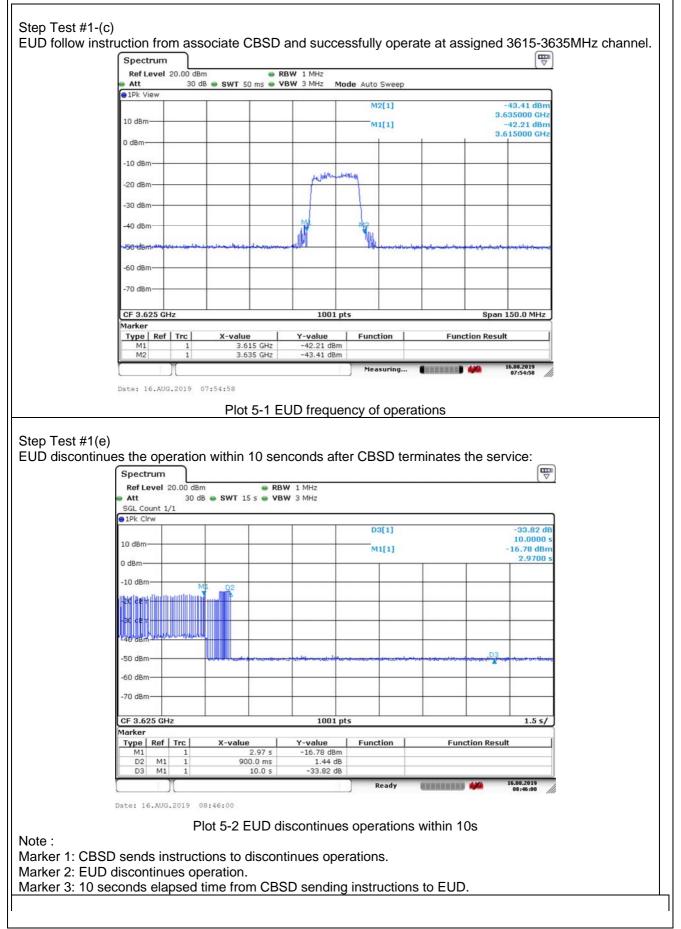
### 4.5 Test Setup

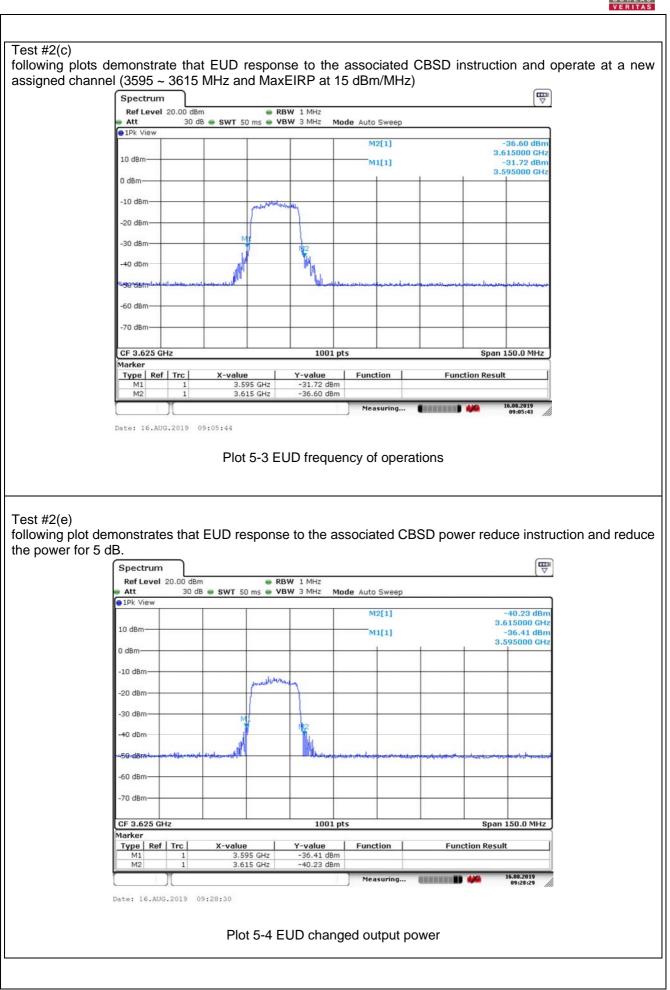


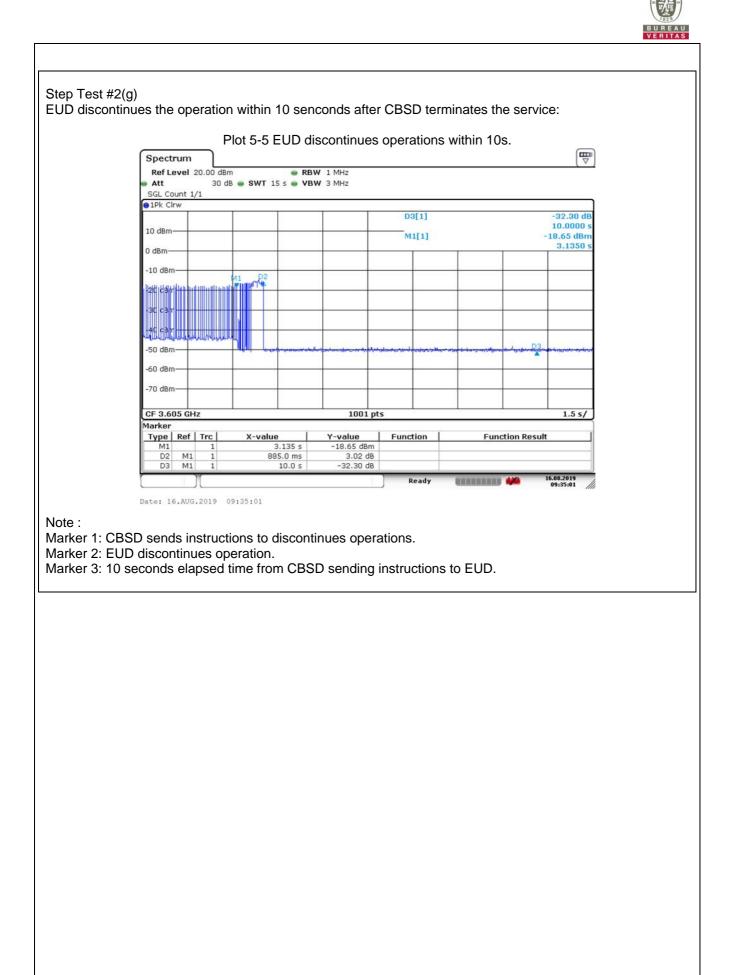
NOTE: The CBSD device is certified CBSD(FCC ID: P27P208). Where the CBSD device connection with EUD is by radiated method. The EUD device connection with Spectrum Analyzer is by conducted method.



#### 4.6 Test Result









## 5 Pictures of Test Arrangements

Please refer to the attached file (Test Setup Photo).



#### Appendix – Information of the Testing Laboratories

We, Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch, were founded in 1988 to provide our best service in EMC, Radio, Telecom and Safety consultation. Our laboratories are accredited and approved according to ISO/IEC 17025.

If you have any comments, please feel free to contact us at the following:

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The address and road map of all our labs can be found in our web site also.

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