	VERITA
	CBSD-EUD Test Report
Report No.:	RFBEIH-WTW-P22090333
FCC ID:	P27DBC965
Test Model:	DBC965
Received Date:	Sep. 12, 2022
Test Date:	Sep. 17, 2022
Issued Date:	Oct. 17, 2022
Applicant:	Sercomm Corp.
Address:	8F, No. 3-1, YuanQu St., NanKang, Taipei 115, Taiwan, R.O.C.
Issued By:	Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch
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
RFBEIH-WTW-P22090333	Original release	Oct. 17, 2022



1 Certificate of Conformity

Product:	CBRS Doorbell Camera	
Brand:	Sercomm, MosoLabs	
Test Model:	DBC965	
Sample Status:	Engineering sample	
Applicant:	Sercomm Corp.	
Test Date:	Sep. 17, 2022	
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 :	Celine	Ch-u	, Date:	Oct. 17, 2022	
	Celine Chou / Ser	nior Specialist			

Approved by :

Jeremy Lin

Date: Oct. 17, 2022

Jeremy Lin / 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	

Note: Determining compliance based on the results of the compliance measurement, not taking into account measurement instrumentation uncertainty.

2.1 Modification Record

There were no modifications required for compliance.



3 General Information

3.1 General Description of EUT

Product	CBRS Doorbell Camera			
Brand	Sercomm, MosoLabss			
Test Model	DBC965			
Status of EUT	Engineering sample			
Power Supply Rating	16-24Vac from host			
Antenna Type	Dipole antenna with 3.77dBi gain			
Antenna Connector	Ipex			
Accessory Device	Power kit			
Cable Supplied	N/A			

Note:

1. Detail antenna specification please refer to antenna datasheet an antenna gain measurement report.

2. 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 3620 ~ 3630 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 ~ 3605 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.

Note: Test #1 and #2 to show compliance with the hadshake testing under Part 96.



4.3 Test Environment

Test Condition

Test Item	Environmental Conditions	Input Power	Tested By	
End User Device additional requirements	23deg. C, 68%RH	120Vac, 60Hz	Matthew Yang	

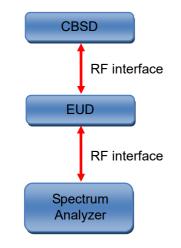
4.4 Test Equipment

Description & Manufacturer	Model no.	Serial No.	Calibrated Date	Calibrated Until
CBSD Sercomm	P208-TP (FCCID:P27P208)	1801BVV000034	NA	NA
Laptop DELL	Inspiron 15 3000	D67MYN2	NA	NA
Spectrum Analyzer ROHDE & SCHWARZ	FSV	E2-010642	May. 20, 2022	May. 19, 2023

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: Sep. 17, 2022

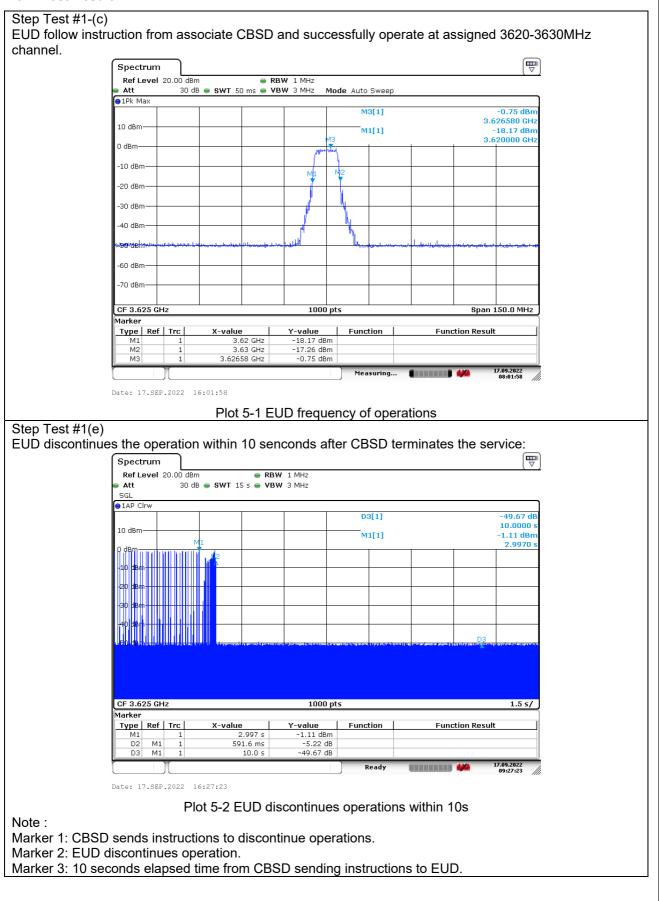
4.5 Test Setup

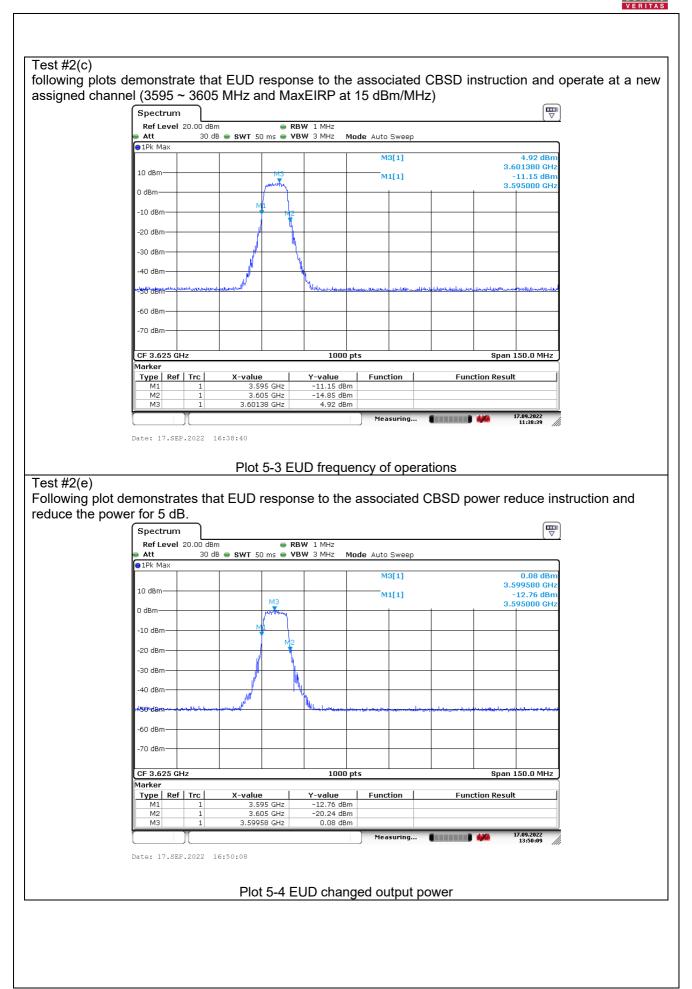


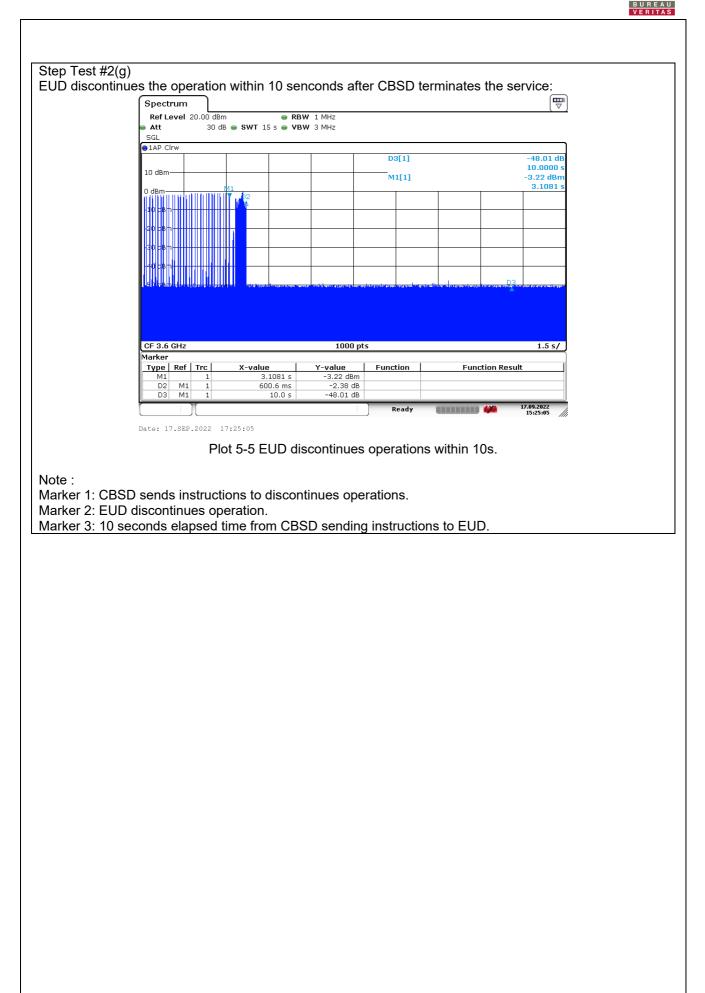
Note: The CBSD device is certified CBSD (FCC ID: P27P208). Where the CBSD device connection with EUD is by radiated method. The EUD device connection with Spectrum Analyzer is by conducted method.



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 FCC recognized accredited test firms and accredited and approved according to ISO/IEC 17025.

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

Lin Kou EMC/RF Lab Tel: 886-2-26052180 Fax: 886-2-26051924 Hsin Chu EMC/RF/Telecom Lab Tel: 886-3-6668565

Fax: 886-3-6668323

Hwa Ya EMC/RF/Safety Lab Tel: 886-3-3183232 Fax: 886-3-3270892

Email: <u>service.adt@tw.bureauveritas.com</u> Web Site: <u>www.bureauveritas-adt.com</u>

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

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