| | CBSD-EUD Test Report |
|--|---|
| Report No.: | RF200605C31A |
| FCC ID: | NKR-LVSK-IHP |
| Test Model: | LVSKIHP |
| Received Date: | Jul. 04, 2020 |
| Test Date: | Jul. 04, 2020 |
| Issued Date: | Jul. 06, 2020 |
| Applicant: | Wistron NeWeb Corporation |
| Address: | 20 Park Avenue II, Hsinchu Science Park, Hsinchu 308, Taiwan |
| 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 |
|-------------|------------------|---------------|
| RF200605C31 | Original release | Jul. 06, 2020 |



1. Certificate of Conformity

Product: LV55 Brand: WNC Test Model: LVSKIHP Sample Status: Engineering sample Applicant: Wistron NeWeb Corporation Test Date: Jul. 04, 2020 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 :

Folly Chien / Specialist

Date: Jul. 06, 2020

Date:

Jul. 06, 2020

Approved by :

ICR (len

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 | LV55 | | |
|------------------------------------|-------------------------------|--|--|
| Brand | WNC | | |
| Test Model | LVSKIHP | | |
| Status of EUT | Engineering sample | | |
| Accessory Device | Adapter | | |
| Data Cable Supplied | NA | | |
| Note: | | | |
| 1. The EUT used following adapter. | | | |
| Adapter | | | |
| Brand | Delta | | |
| Model | ADP-120VH D | | |
| Input Power | 100-240Vac, 50-60Hz, 2.5A | | |
| Output Power | 20Vdc, 6A | | |
| Dower Cord | Cable Out: Non-shielded, 3.0m | | |
| Power Cord | ower Cord: Non-shielded, 2m | | |



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, 70%RH | 120Vac, 60Hz | Leona Hu |

4.4. Test Equipment

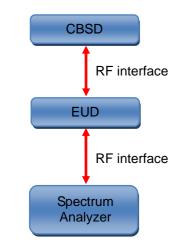
| Description & Manufacturer | Model no. | Serial No. | Calibrated Date | Calibrated Until | |
|--------------------------------------|------------------|---------------|-----------------|------------------|--|
| CBSD | P208-TP | 1801BVV000034 | NA | NA | |
| Sercomm | (FCCID:P27P208) | | | | |
| Laptop DELL | Inspiron 15 3000 | D67MYN2 | NA | NA | |
| Spectrum Analyzer ROHDE & SCHWARZ | FSV | E2-010642 | May. 28, 2020 | May. 27, 2021 | |

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

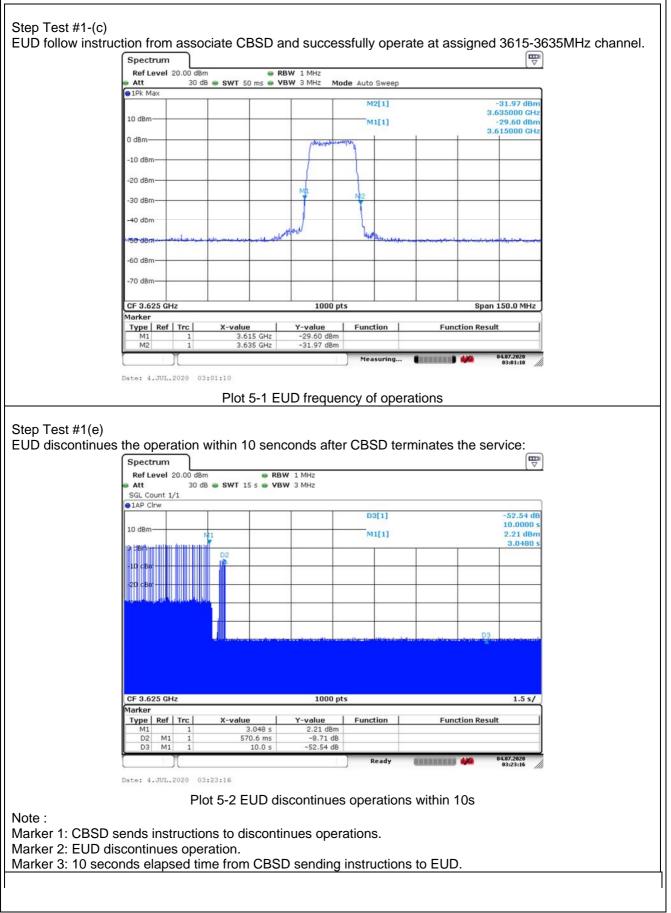
4.5. Test Setup

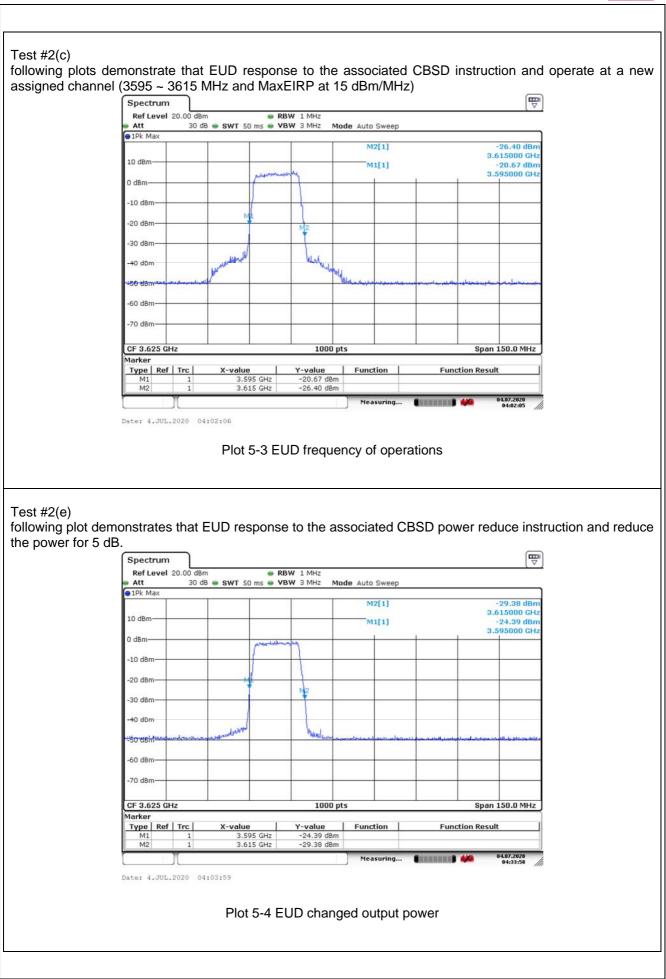


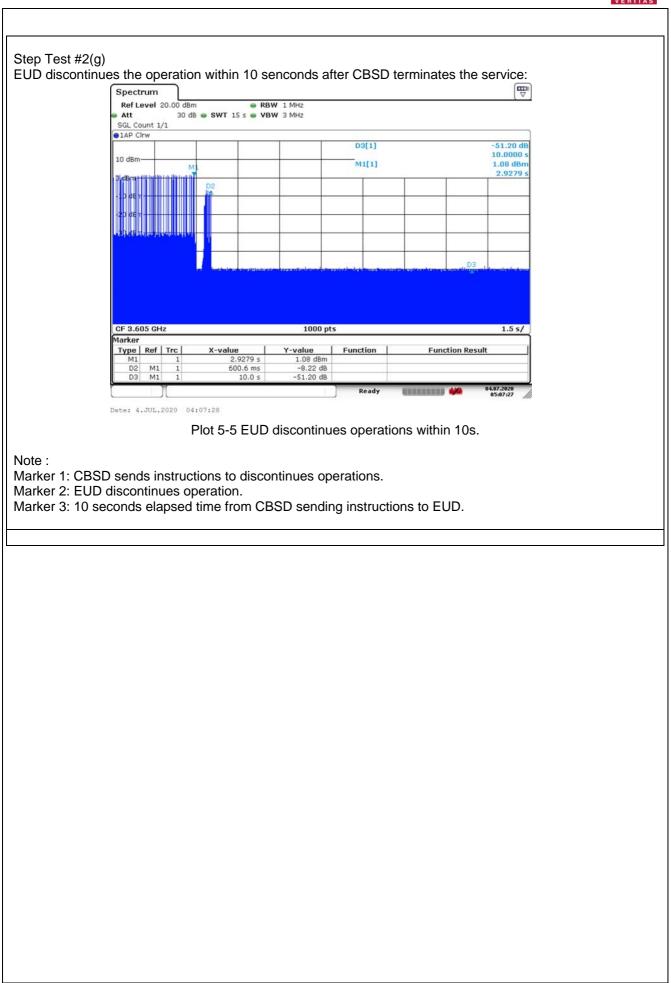
NOTE: The CBSD device is certified CBSD(FCC ID: P27P208). Where the CBSD device connection with EUD is by radiated method. The EUD device connection with Spectrum Analyzer is by conducted method.



5. Test Result









6. 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 Lab/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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