



427 West 12800 South  
Draper, UT 84020

## Test Report Certification

|                                  |                     |
|----------------------------------|---------------------|
| <b>FCC ID</b>                    | SWX-LTULRR          |
| <b>IC ID</b>                     | 6545A-LTULRR        |
| <b>Equipment Under Test</b>      | 無線橋接器               |
| <b>Model Number</b>              | LTU-LR              |
| <b>Test Report Serial Number</b> | LTU-LR_MPE_NCC_V2.0 |
| <b>Date of Test(s)</b>           | 07/08/2020          |
| <b>Report Issue Date</b>         | 2/04/2021           |

| Test Specification                         | Manufacturer                                           | Applicant                             |
|--------------------------------------------|--------------------------------------------------------|---------------------------------------|
| 47 CFR FCC Part 2<br>LP0002 Section 6.20.2 | Ubiquiti Inc<br>685 Third Avenue<br>New York, NY 10019 | 香港商優比快科技有限公司台灣分公司<br>台北市信義區松仁路107號12樓 |



NVLAP LAB CODE 600241-0

## Maximum Permissible Exposure

### Test Location

Testing was performed at the Unified Compliance Laboratory 3-Meter chamber located at 427 West 12800 South, Draper, UT 84020. Unified Compliance Laboratory is accredited by National Voluntary Laboratory Accreditation Program (NVLAP); NVLAP Code 600241-0 which is effective until 30 June 2020.

**Test Requirement(s):** LP0002 Section 6.20.2

**RF Exposure Requirements:** Systems operating under the provisions of this section shall be operated in a manner that ensures that the public is not exposed to radio frequency energy levels in excess of the Commission's guidelines.

**RF Radiation Exposure Limit:** :

MPE Limit: EUT's operating frequencies @ 2412 - 2462 MHz; 5150 – 5250 MHz and 5785 – 5850 MHz **Limit for Uncontrolled exposure: 1 mW/cm<sup>2</sup> or 10 W/m<sup>2</sup>**

Equation from page 18 of OET 65, Edition 97-01

$$S = PG / 4\pi R^2 \quad \text{or} \quad R = \sqrt{PG / 4\pi S}$$

where, S = Power Density (mW/cm<sup>2</sup>)

P = Power Input to antenna (mW)

G = Antenna Gain (numeric value)

R = Distance (cm)

### Test Results:

| FCC                        |                 |                |                 |                   |                                    |                             |        |               |        |
|----------------------------|-----------------|----------------|-----------------|-------------------|------------------------------------|-----------------------------|--------|---------------|--------|
| Frequency (MHz)            | Con. Pwr. (dBm) | Con. Pwr. (mW) | Ant. Gain (dBi) | Ant. Gain numeric | Pwr. Density (mW/cm <sup>2</sup> ) | Limit (mW/cm <sup>2</sup> ) | Margin | Distance (cm) | Result |
| 5735                       | 23.6            | 229            | 26              | 398.11            | 18.137                             | 1.0                         | -      | 20            | -      |
| 2412                       | 3.75            | 0.002          | 2               | 1.58              | 0.000                              | 1.0                         | -      | 20            | -      |
|                            |                 |                |                 |                   |                                    |                             |        |               |        |
| Simultaneous transmission: |                 |                |                 |                   | 18.137                             | 1.0                         | 0      | 85.38         | Pass   |

The safe distance for SWX-LTULRR where Power Density is less than the MPE Limit listed above was found to be 85.38 cm.