

**TCB****GRANT OF EQUIPMENT  
AUTHORIZATION****TCB**

**Certification**  
**Issued Under the Authority of the**  
**Federal Communications Commission**  
**By:**

**Bureau Veritas Consumer Products  
Services, Inc.**  
**775 Montague Expressway**  
**Milpitas, CA 95035**

**Date of Grant: 05/31/2023**  
**Application Dated: 05/15/2023**

**Realtek Semiconductor Corp.**  
**No. 2**  
**Innovation Road II, Hsinchu Science Park**  
**Hsinchu, 300**  
**Taiwan**

**Attention: Dana Liaw , Project Manager**

**NOT TRANSFERABLE**

EQUIPMENT AUTHORIZATION is hereby issued to the named GRANTEE, and is  
VALID ONLY for the equipment identified hereon for use under the Commission's  
Rules and Regulations listed below.

**FCC IDENTIFIER:** TX2-RTL8851BE  
**Name of Grantee:** Realtek Semiconductor Corp.  
**Equipment Class:** Unlicensed National Information Infrastructure TX  
**Notes:** 11ax RTL8851BE Combo module  
**Modular Type:** Single Modular

| <u>Grant Notes</u> | <u>FCC Rule Parts</u> | <u>Frequency<br/>Range (MHZ)</u> | <u>Output<br/>Watts</u> | <u>Frequency<br/>Tolerance</u> | <u>Emission<br/>Designator</u> |
|--------------------|-----------------------|----------------------------------|-------------------------|--------------------------------|--------------------------------|
| CC                 | 15E                   | 5180.0 - 5240.0                  | 0.184                   |                                |                                |
| CC ND              | 15E                   | 5260.0 - 5320.0                  | 0.182                   |                                |                                |
| CC ND              | 15E                   | 5500.0 - 5720.0                  | 0.151                   |                                |                                |
| CC                 | 15E                   | 5745.0 - 5825.0                  | 0.2                     |                                |                                |
| CC EP              | 15E                   | 5845.0 - 5845.0                  | 0.317                   |                                |                                |
| CC EP              | 15E                   | 5835.0 - 5835.0                  | 0.735                   |                                |                                |
| CC EP              | 15E                   | 5855.0 - 5855.0                  | 0.316                   |                                |                                |
| CC EP              | 15E                   | 5865.0 - 5885.0                  | 0.719                   |                                |                                |

U-NII-1~3 listed are conducted power and U-NII-4/ UNII-3 and -4 span channels listed are EIRP. This device has 20/40/80 MHz bandwidth modes. Single Modular Approval for mobile RF Exposure condition. The antenna(s) used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter, except in accordance with FCC multi-transmitter product guidelines. Approval is limited to OEM installation only. OEM integrators must be provided with antenna installation instructions. Only those antenna(s) tested with the device or similar antenna(s) with equal or lesser gain may be used with this transmitter.

CC: This device is certified pursuant to two different Part 15 rules sections.

EP: Output power is Effective Isotropic Radiated Power (EIRP)

ND: This UNII device complies with the Transmit Power Control (TPC) and Dynamic Frequency Selection (DFS) requirements in Section 15.407(h).