



# Wi-Fi CERTIFIED® Certificate



This certificate lists the features that have successfully completed Wi-Fi Alliance interoperability testing. Learn more: [www.wi-fi.org](http://www.wi-fi.org)

**Certification ID: WFA67454**

## Product Info

<b>Date of Certification</b>	February 17, 2017
<b>Company</b>	Realtek Semiconductor Corporation
<b>Product Name</b>	Realtek RTL8812BU 2T2R 802.11ac/abgn USB Adapter
<b>Product Model Variant</b>	2017-02-17 (WFA67454 - 5085297)
<b>Model Number</b>	RTL8812BU USB
<b>Category</b>	Computers & Accessories
<b>Sub-category</b>	External Adapter

## Summary of Certifications

<b>CLASSIFICATION</b>	<b>CERTIFICATION</b>
<b>Applications</b>	Wi-Fi Location™
<b>Network management</b>	WMM®
<b>Security</b>	Protected Management Frames WPA2™-Enterprise WPA2™-Personal
<b>Wi-Fi (MAC/PHY)</b>	2.4 GHz Spectrum Capabilities 5 GHz Spectrum Capabilities Spectrum & Regulatory Wi-Fi CERTIFIED™ a Wi-Fi CERTIFIED™ ac Wi-Fi CERTIFIED™ b Wi-Fi CERTIFIED™ g Wi-Fi CERTIFIED™ n

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Role: Station

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## Wi-Fi Components

### Wi-Fi Component Operating System

Windows 10

### Wi-Fi Component Firmware

1030.14.920.2016

### RF Architecture

Bands Supported	Transmit (Tx)	Receive (Rx)
2.4 GHz	2	2
5 GHz	2	2

## Certifications

### 2.4 GHz Spectrum Capabilities

20 MHz Channel Width in 2.4 GHz  
40 MHz Channel Width in 2.4 GHz

### 5 GHz Spectrum Capabilities

20 MHz Channel Width in 5 GHz  
40 MHz Channel Width in 5 GHz  
80 MHz Channel Width in 5 GHz

### Protected Management Frames

### Spectrum & Regulatory

802.11h

### WMM®

### WPA2™-Enterprise

EAP methods  
EAP TLS  
EAP TTLS

### WPA2™-Enterprise (continued)

PEAPv0

### WPA2™-Personal

### Wi-Fi CERTIFIED™ a

### Wi-Fi CERTIFIED™ ac

Extended 5 GHz Channel Support  
RTS with BW Signaling  
A-MPDU with A-MSDU  
DL MU-MIMO  
LDPC Rx  
MCS 8-9 Rx  
Short Guard Interval  
STBC  
LDPC Tx  
SU beamformee

### Wi-Fi CERTIFIED™ b

### Wi-Fi CERTIFIED™ g

### Wi-Fi CERTIFIED™ n

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## Wi-Fi CERTIFIED™ n (continued)

A-MPDU Tx  
OBSS on Extension Channel  
RIFS  
Short Guard Interval

## Wi-Fi Location™

Fine Timing Measurement 2017

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