



# Wi-Fi CERTIFIED™ Certificate

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



**Certification ID: WFA72750**

## Product Info

|                       |                                    |
|-----------------------|------------------------------------|
| Date of Certification | August 10, 2017                    |
| Company               | Qualcomm                           |
| Product Name          | Snapdragon(tm) 820 Development Kit |
| Product Model Variant | 2017-08-10 (WFA72750 - 5964838)    |
| Model Number          | AndroidSTA                         |
| Category              | Other                              |
| Sub-category          | Reference Design                   |

## Summary of Certifications

| CLASSIFICATION                 | CERTIFICATION   |
|--------------------------------|---|
| Connectivity                   | 2.4 GHz Spectrum Capabilities<br>5 GHz Spectrum Capabilities<br>Wi-Fi CERTIFIED™ a<br>Wi-Fi CERTIFIED™ ac<br>Wi-Fi CERTIFIED™ b<br>Wi-Fi CERTIFIED™ g<br>Wi-Fi CERTIFIED™ n |
| Optimization                   | WMM®  |
| Security                       | Protected Management Frames<br>WPA2™-Enterprise<br>WPA2™-Personal<br>WPA™-Enterprise<br>WPA™-Personal   |
| Spectrum & Regulatory Features | Spectrum & Regulatory   |



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Role: Station

Page 2 of 3

## Wi-Fi Components

### Wi-Fi Component Operating System

Android, version:android-7.0

### Wi-Fi Component Firmware

5.0.1.1795.0

### 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

### WPA2™-Enterprise (continued)

PEAPv0  
PEAPv1

### 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

### WPA2™-Personal

### WPA™-Enterprise

### WPA™-Personal

### Protected Management Frames

### Wi-Fi CERTIFIED™ a

### Spectrum & Regulatory

802.11h

### Wi-Fi CERTIFIED™ ac

A-MPDU with A-MSDU  
DL MU-MIMO  
LDPC Rx  
MCS 8-9 Rx  
Short Guard Interval  
STBC  
LDPC Tx  
SU beamformee

### WMM®

### WPA2™-Enterprise

EAP methods  
EAP TLS  
EAP TTLS

### Wi-Fi CERTIFIED™ b



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Page 3 of 3

Wi-Fi CERTIFIED™ g

Wi-Fi CERTIFIED™ n

STBC

A-MPDU Tx

OBSS on Extension Channel

RIFS

Short Guard Interval