



# 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: WFA114684**

## Product Info

<b>Date of Certification</b>	October 12, 2021
<b>Company</b>	FCNT LIMITED
<b>Product Name</b>	F-52B
<b>Product Model Variant</b>	F-52B
<b>Model Number</b>	F-52B
<b>Category</b>	Phones
<b>Sub-category</b>	Smartphone, multi-mode (Wi-Fi and other)

## Summary of Certifications

<b>CLASSIFICATION</b>	<b>CERTIFICATION</b>
<b>Access</b>	Passpoint® Release 3 Wi-Fi Protected Setup™
<b>Applications &amp; Services</b>	Miracast® Wi-Fi Direct®
<b>Connectivity</b>	2.4 GHz Spectrum Capabilities 5 GHz Spectrum Capabilities Wi-Fi CERTIFIED™ a Wi-Fi CERTIFIED™ ac Wi-Fi CERTIFIED™ b Wi-Fi CERTIFIED™ g Wi-Fi CERTIFIED™ n Wi-Fi Enhanced Open™ 2021-01
<b>Optimization</b>	TDLS WMM® WMM®-Power Save
<b>Security</b>	Protected Management Frames WPA2™-Enterprise 2018-04 WPA2™-Personal 2021-01 WPA3™-Enterprise 2020-02



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## Summary of Certifications (continued)

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### CLASSIFICATION

### CERTIFICATION

Security

WPA3™-Personal 2020-02

WPA™-Enterprise

WPA™-Personal



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Role: Access Point

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## Wi-Fi Components

### Wi-Fi Component Operating System

Android Version 11

### Wi-Fi Component Firmware

VXXR0XX

### RF Architecture

Bands Supported	Transmit (Tx)	Receive (Rx)
2.4 GHz	1	1

## Certifications

### 2.4 GHz Spectrum Capabilities

20 MHz Channel Width in 2.4 GHz

### Protected Management Frames

### WMM®

### WPA2™-Personal 2021-01

### WPA3™-Personal 2020-02

### Wi-Fi CERTIFIED™ b

### Wi-Fi CERTIFIED™ g

### Wi-Fi CERTIFIED™ n

Short Guard Interval

A-MPDU Tx

### Wi-Fi Enhanced Open™ 2021-01



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Role: Station

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## Wi-Fi Components

### Wi-Fi Component Operating System

Android Version 11

### Wi-Fi Component Firmware

VXXR0XX

### RF Architecture

Bands Supported	Transmit (Tx)	Receive (Rx)
2.4 GHz	1	1
5 GHz	1	1

## Certifications

### 2.4 GHz Spectrum Capabilities

20 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

### Passpoint® Release 3

Display and input method  
 Display of HS2.0 indication  
 Operating Class Indication  
 SIM credentials  
 USIM Credentials  
 Network Icon support  
 Network Information in network selection  
 Online Sign Up and Policy provisioning  
 Online Sign Up using single SSID  
 Venue Information  
 Terms and Conditions Acceptance

### Protected Management Frames

### TDLS

### WMM®

### WMM®-Power Save

Unschedule auto PS

### WPA2™-Enterprise 2018-04

EAP methods  
 EAP AKA  
 EAP AKA Prime  
 EAP SIM  
 EAP TLS  
 EAP TTLS  
 PEAPv0  
 PEAPv1

### WPA2™-Personal 2021-01

### WPA3™-Enterprise 2020-02

EAP methods  
 EAP AKA



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Role: Station

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## WPA3™-Enterprise 2020-02 (continued)

EAP AKA Prime  
EAP SIM  
EAP TLS  
EAP TTLS  
PEAPv0  
PEAPv1  
192-bit security  
192-bit security RSA 3K with the  
TLS\_ECDHE\_RSA\_WITH\_AES\_256\_GCM\_SHA384  
cipher suite  
Server Certificate Validation

## WPA3™-Personal 2020-02

## WPA™-Enterprise

## WPA™-Personal

## Wi-Fi CERTIFIED™ a

## Wi-Fi CERTIFIED™ ac

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

## Wi-Fi CERTIFIED™ b

## Wi-Fi CERTIFIED™ g

## Wi-Fi CERTIFIED™ n

## Wi-Fi CERTIFIED™ n (continued)

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

## Wi-Fi Direct®

## Wi-Fi Enhanced Open™ 2021-01

## Wi-Fi Protected Setup™

Pushbutton



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Role: Source

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## Wi-Fi Components

### Wi-Fi Component Operating System

Android Version 11

### Wi-Fi Component Firmware

VXXR0XX

### RF Architecture

Bands Supported	Transmit (Tx)	Receive (Rx)
2.4 GHz	1	1
5 GHz	1	1

## Certifications

### Miracast®

HDCP Encryption