



# 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: WFA117320**

## Product Info

<b>Date of Certification</b>	January 5, 2022
<b>Company</b>	Motorola Mobility LLC
<b>Product Name</b>	XT2201-5
<b>Product Model Variant</b>	XT2201-5 (Android 12.0)
<b>Model Number</b>	XT2201-5
<b>Category</b>	Phones
<b>Sub-category</b>	Smartphone

## Summary of Certifications

<b>CLASSIFICATION</b>	<b>CERTIFICATION</b>
<b>Access</b>	Wi-Fi Protected Setup™
<b>Alternative topologies</b>	Wi-Fi Direct®
<b>Applications</b>	Miracast®
<b>Network management</b>	WMM® WMM®-Admission Control WMM®-Power Save Wi-Fi Agile Multiband™
<b>Performance</b>	Voice-Enterprise
<b>Security</b>	Protected Management Frames WPA2™-Enterprise 2018-04 WPA2™-Personal 2021-01 WPA3™-Enterprise 2020-02 WPA3™-Personal 2020-12 Wi-Fi Enhanced Open™ 2021-01
<b>Wi-Fi (MAC/PHY)</b>	2.4 GHz Spectrum Capabilities 5 GHz Spectrum Capabilities 6 GHz Spectrum Capabilities

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# Wi-Fi CERTIFIED® Certificate

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## Summary of Certifications (continued)

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### CLASSIFICATION

### CERTIFICATION

Wi-Fi (MAC/PHY)

Wi-Fi CERTIFIED 6®  
Wi-Fi CERTIFIED™ a  
Wi-Fi CERTIFIED™ ac  
Wi-Fi CERTIFIED™ b  
Wi-Fi CERTIFIED™ g  
Wi-Fi CERTIFIED™ n

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# Wi-Fi CERTIFIED® Certificate

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Role: Access Point

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## Wi-Fi Components

### Wi-Fi Component Operating System

Android 12

### Wi-Fi Component Firmware

HSP.2.0

### 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

### 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

WMM®

WPA2™-Personal 2021-01

WPA3™-Personal 2020-12

### Wi-Fi CERTIFIED 6®

A-MPDU with A-MSDU

LDPC Rx

LDPC Tx

MCS 8-9 Rx

MCS 8-9 Tx

### Wi-Fi CERTIFIED™ a

### Wi-Fi CERTIFIED™ ac

A-MPDU with A-MSDU

LDPC Rx

LDPC Tx

MCS 8 Rx

MCS 8-9 Rx

Short Guard Interval

STBC

### Wi-Fi CERTIFIED™ b

### Wi-Fi CERTIFIED™ g

### Wi-Fi CERTIFIED™ n

OBSS on Extension Channel

Short Guard Interval

STBC

A-MPDU Tx

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# Wi-Fi CERTIFIED® Certificate

Certification ID: WFA117320



Role: Station

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## Wi-Fi Components

### Wi-Fi Component Operating System

Android 12

### Wi-Fi Component Firmware

HSP.2.0

### RF Architecture

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

## 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

### 6 GHz Spectrum Capabilities

20 MHz Channel Width in 6 GHz  
40 MHz Channel Width in 6 GHz  
80 MHz Channel Width in 6 GHz

### Protected Management Frames

### Voice-Enterprise

### WMM®

### WMM®-Admission Control

### WMM®-Power Save

Legacy 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  
EAP AKA Prime  
EAP SIM

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# Wi-Fi CERTIFIED® Certificate

Certification ID: WFA117320



Role: Station

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

EAP TLS  
EAP TTLS  
PEAPv0  
PEAPv1  
192-bit security  
Server Certificate Validation

## WPA3™-Personal 2020-12

## Wi-Fi Agile Multiband™

ANQP  
ANQP-based Neighbor report  
Beacon Report Measurement Active Mode  
Beacon Report Measurement Passive Mode  
BTM Query  
Cellular Data capable

## Wi-Fi CERTIFIED 6®

A-MPDU with A-MSDU  
Beamforming sounding  
BSRP Trigger frame  
Compressed Block Ack Rx (buffer size 256)  
Compressed Block Ack Tx (buffer size 256)  
DL MU-MIMO  
HE NDP  
Individual Target Wake Time  
LDPC Rx  
LDPC Tx  
MCS 8-9 Rx  
MCS 8-9 Tx  
MCS 10-11 Rx  
MCS 10-11 Tx  
MU EDCA Parameter Set element

## Wi-Fi CERTIFIED 6® (continued)

MU-BAR Trigger frame  
MU-RTS Trigger frame  
M-BSSID  
Operating mode control field  
Operating mode subfield in A-Control field  
Operating mode indication  
SU beamformee  
SU-MIMO  
UL OFDMA  
Wi-Fi 6E

## Wi-Fi CERTIFIED™ a

## 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

## Wi-Fi CERTIFIED™ b

## Wi-Fi CERTIFIED™ g

## Wi-Fi CERTIFIED™ n

STBC  
A-MPDU Tx  
OBSS on Extension Channel  
Power Management

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Role: Station

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## Wi-Fi CERTIFIED™ n (continued)

Short Guard Interval

## Wi-Fi Direct®

## Wi-Fi Enhanced Open™ 2021-01

## Wi-Fi Protected Setup™

PIN

Pushbutton

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# Wi-Fi CERTIFIED® Certificate

Certification ID: WFA117320



Role: Source

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## Wi-Fi Components

### Wi-Fi Component Operating System

Android 12

### Wi-Fi Component Firmware

HSP.2.0

### RF Architecture

Bands Supported	Transmit (Tx)	Receive (Rx)
2.4 GHz	2	2
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## Certifications

Miracast®

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