



# 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: WFA81739

### Product Info

Date of Certification	January 31, 2019
Company	LG Electronics
Product Name	LM-X420ZMW
Product Model Variant	2019-01-31 (WFA81739 - 8038695)
Model Number	LM-X420ZMW
Category	Phones
Sub-category	Smartphone

### Summary of Certifications

CLASSIFICATION	CERTIFICATION
Access	Passpoint® Release 2 Wi-Fi Protected Setup™
Applications & Services	Voice-Enterprise
Connectivity	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 Direct®
Optimization	WMM® WMM®-Admission Control WMM®-Power Save
Security	Protected Management Frames WPA2™-Enterprise 2018-04 WPA2™-Personal 2018-04

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Certification ID: WFA81739



## Summary of Certifications (continued)

Page 2 of 4

### CLASSIFICATION

### CERTIFICATION

Spectrum & Regulatory  
Features

Spectrum & Regulatory

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Role: Station

Page 3 of 4

## Wi-Fi Components

### Wi-Fi Component Operating System

Android, version:O-OS

### Wi-Fi Component Firmware

Ver 1.0

### 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  
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

### Passpoint® Release 2

Display of HS2.0 indication  
Network Icon support  
Network Information in network selection  
OMA DM  
Operating Class Indication  
Online Sign Up and Policy provisioning  
SIM credentials

### Protected Management Frames

### Spectrum & Regulatory

### Spectrum & Regulatory (continued)

802.11h

### 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

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Page 4 of 4

**WPA2™-Personal 2018-04**

**Wi-Fi CERTIFIED™ a**

**Wi-Fi CERTIFIED™ ac**

Extended 5 GHz Channel Support  
DL MU-MIMO  
MCS 8-9 Rx  
Short Guard Interval  
STBC  
SU beamformee

**Wi-Fi CERTIFIED™ b**

**Wi-Fi CERTIFIED™ g**

**Wi-Fi CERTIFIED™ n**

STBC  
A-MPDU Tx  
HT Duplicate Mode  
OBSS on Extension Channel  
Power Management  
Short Guard Interval

**Wi-Fi Direct®**

**Wi-Fi Protected Setup™**

PIN  
Pushbutton

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