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

Certification ID: WFA81657

Product Info

Date of Certification	January 31, 2019
Company	LG Electronics
Product Name	LM-X420N
Product Model Variant	2019-01-31 (WFA81657 - 8037965)
Model Number	LM-X420N
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 WPA™-Enterprise WPA™-Personal

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CLASSIFICATION	CERTIFICATION
Spectrum & Regulatory Features	Spectrum & Regulatory

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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WPA2™-Personal 2018-04

WPA™-Enterprise

WPA™-Personal

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