



Wi-Fi CERTIFIED™ Interoperability 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: WFA50390

Page 1 of 2

Date of Last Certification	October 07, 2013
Company	LG Electronics
Product	LGE Smart Phone
Model Number	LG-D820_S
Product Identifier(s)	
Category	Smartphone, multi-mode (Wi-Fi and other)
Hardware Version	Product: 1.0, Wi-Fi Component: 1.0
Firmware Version	Product: 1.0, Wi-Fi Component: 1.0
Operating System	Android
Frequency Band(s)	2.4 GHz, 5 GHz

Summary of Certifications

CLASSIFICATION	PROGRAM
Connectivity	Wi-Fi CERTIFIED™ a, b, g, n, ac
	WPA™ – Enterprise, Personal
	WPA2™ – Enterprise, Personal
	Wi-Fi Direct®
Optimization	WMM®
	WMM®-Power Save
Access	Wi-Fi Protected Setup™
Applications & Services	Miracast® - Source



Security

WPA™ – Enterprise, Personal
WPA2™ – Enterprise, Personal
EAP Type(s)
EAP-TLS
EAP-TTLS/MSCHAPv2
PEAPv0/EAP-MSCHAPv2
PEAPv1/EAP-GTC

Spectrum and Regulatory Features

802.11h

Wi-Fi CERTIFIED™ a

Wi-Fi CERTIFIED™ b

Wi-Fi CERTIFIED™ g

Wi-Fi CERTIFIED™ n

2.4 GHz, 5 GHz
1 Spatial Stream 2.4 GHz
1 Spatial Stream 5 GHz
Short Guard Interval
TX A-MPDU
STBC Receive
40 MHz operation in 5 GHz
HT Duplicate Mode (MCS 32)

Wi-Fi CERTIFIED™ ac

1 Spatial Stream 5 GHz
Rx MCS 8-9 (256-QAM)
Rx STBC 2x1
Rx A-MPDU of A-MSDU
Low Density Parity Check coding

Wi-Fi Direct®

2.4 GHz, 5 GHz

WMM®

WMM®-Power Save

Miracast®

Release 1
Source Device
Content Protection

Wi-Fi Protected Setup™

2.4 GHz, 5 GHz
PIN
Push-Button (PBC)