



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: WFA75269

Page 1 of 2

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|-----------------------------------|--|
| Date of Last Certification | May 26, 2020 |
| Company | Samsung Electronics |
| Product | SM-G9650 |
| Model Number | SM-G9650 |
| Product Identifier(s) | |
| Category | Phones |
| Subcategory | Smartphone, multi-mode (Wi-Fi and other) |
| Hardware Version | Product: REV1.1, Wi-Fi Component: REV1.1 |
| Firmware Version | Product: G965U.001, Wi-Fi Component: 13.35 |
| Operating System | Android, version: 10.0 |
| 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®-Admission Control |
| | WMM®-Power Save |
| Applications & Services | Miracast® - Source |
| | Voice-Enterprise |
| | Wi-Fi Aware™ |



Security

WPA™ – Enterprise, Personal
WPA2™ – Enterprise, Personal
EAP Type(s)
EAP-TLS
EAP-TTLS/MSCHAPv2
PEAPv0/EAP-MSCHAPv2
PEAPv1/EAP-GTC
EAP-SIM
EAP-AKA
EAP-AKA Prime
Protected Management Frames

Wi-Fi CERTIFIED™ a

Wi-Fi CERTIFIED™ b

Wi-Fi CERTIFIED™ g

Wi-Fi CERTIFIED™ n

2.4 GHz, 5 GHz
2 Spatial Streams 2.4 GHz
2 Spatial Streams 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

2 Spatial Streams 5 GHz
Rx MCS 8-9 (256-QAM)
Rx STBC 2x1
Rx A-MPDU of A-MSDU
Low Density Parity Check coding
Tx SU beamformee
Rx DL MU-MIMO
Extended 5 GHz Channel Support

Wi-Fi Direct®

2.4 GHz, 5 GHz

WMM®

WMM®-Admission Control

WMM®-Power Save

Miracast®

Release 1
Source Device
Content Protection

Voice-Enterprise

Wi-Fi Aware™

Data Transfer (Native)
Bluetooth® Low Energy Discovery Support

Spectrum and Regulatory Features

802.11h