



This certificate lists the features that have successfully completed Wi-Fi Alliance interoperability testing. Learn more: www.wi-fi.org/certification/programs

Certification ID: WFA63703

Product Info

Date of Certification November 9, 2016

Company Samsung Electronics

Product Name SM-G935FD

Product Model Variant 2016-11-09 (WFA63703 - 5495432)

Model Number SM-G935FD

Category Phones

Sub-category Smartphone

Summary of Certifications

CLASSIFICATION CERTIFICATION

Access Wi-Fi Protected Setup™

Alternative topologies Wi-Fi Direct®

Applications Miracast®

Network management WMM®

WMM®-Admission Control

WMM®-Power Save

Performance Voice-Enterprise

Security Protected Management Frames

WPA2™-Enterprise WPA2™-Personal

Wi-Fi (MAC/PHY) 2.4 GHz Spectrum Capabilities

5 GHz Spectrum Capabilities

Spectrum & Regulatory Wi-Fi CERTIFIED™ a Wi-Fi CERTIFIED™ ac Wi-Fi CERTIFIED™ b Wi-Fi CERTIFIED™ g



Certification ID: WFA63703



Summary of Certifications (continued) Page 2 of 5 CLASSIFICATION CERTIFICATION Wi-Fi (MAC/PHY) Wi-Fi CERTIFIED™ n



Certification ID: WFA63703



| Wi-Fi Components Wi-Fi Component Operating System Android, version:7.0 Wi-Fi Component Firmware REV1.0 Bands Supported Transmit (Tx) Receive (Rx) 2.4 GHz 2 2 5 GHz 2 2 Certifications 2.4 GHz 92 2 Certifications WMM®-Power Save (continued) Legacy Power Save Unschedule auto PS FOR Spectrum Capabilities WPA2™-Enterprise WPA2™-Enterprise EAP methods EAP AKA EAP TLS | Role: Station | Page 3 of 5 | | |
|---|---------------------------------|--|--|--|
| Android, version: 7.0 Wi-Fi Component Firmware REV1.0 2.4 GHz 2 2 5 GHz 2 2 Certifications 2.4 GHz Spectrum Capabilities WMM®-Power Save (continued) Legacy Power Save Unschedule auto PS WPA2™-Enterprise EAP methods EAP AKA EAP AKA EAP AKA EAP AKA Prime EAP FAST-MSCHAPV2 EAP SIM EAP TLS EAP SIM EAP TLS EAP STLS EAP TILS PEAPV0 PEAPV1 WPA2™-Personal WPA2™-Personal WPA2™-Personal WPA2™-ECERTIFIED™ a WIMM®-Power Save WIMM®-Power Save WIMM®-Power Save WIMM®-Power Save A-MPDU with A-MSDU | Wi-Fi Components | | | |
| Wi-Fi Component Firmware REV1.0 2.4 GHz 2 2 5 GHz 2 2 Certifications 2.4 GHz Spectrum Capabilities WMM®-Power Save (continued) Legacy Power Save Unschedule auto PS 5 GHz Spectrum Capabilities WPA2™-Enterprise EAP methods EAP AKA EAP AKA EAP AKA EAP AKA EAP AKA EAP AKA EAP FAST-MSCHAPv2 EAP SIM EAP TILS EAP TILS PEAPv0 PEAPv1 WPA2™-Personal WPA2™-Personal WMM®-Admission Control WMM®-Admission Control | | RF Architecture | | |
| REV1.0 2.4 GHz 2 2 5 GHz 2 2 Certifications 2.4 GHz Spectrum Capabilities WMM®-Power Save (continued) Legacy Power Save Unschedule auto PS 5 GHz Spectrum Capabilities WPA2™-Enterprise EAP methods EAP AKA EAP AKA EAP AKA EAP AKA EAP AKA EAP AKA EAP FAST-MSCHAPv2 EAP SIM EAP TILS EA | Android, version:7.0 | Bands Supported Transmit (Tx) Receive (Rx) | | |
| Certifications 2.4 GHz Spectrum Capabilities 20 MHz Channel Width in 2.4 GHz 40 MHz Channel Width in 2.4 GHz 40 MHz Channel Width in 2.4 GHz 40 MHz Channel Width in 5 GHz 40 MHz Chann | • | 2.4 GHz 2 2 | | |
| 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 40 MHz Channel Width in 5 GHz 80 MHz Channel Width in 5 GHz 80 MHz Channel Width in 5 GHz Protected Management Frames Spectrum & Regulatory 802.11h Voice-Enterprise WMM®-Admission Control WMM®-Power Save (continued) Legacy Power Save (continued) WPA2™-Enterprise WPA2™-Enterprise WPA2™-Enterprise WMM®-Power Save (continued) Legacy Power Save (continued) WPA2™-Enterprise WPA2™-Enterprise WPA2™-Enterprise WPA2™-Enterprise WPA2™-Personal Wi-Fi CERTIFIED™ a Wi-Fi CERTIFIED™ ac A-MPDU with A-MSDU | REV1.0 | 5 GHz 2 2 | | |
| Legacy Power Save Unschedule auto PS 5 GHz Spectrum Capabilities WPA2™-Enterprise EAP methods EAP AKA EAP AKA EAP FAST-MSCHAPV2 EAP FILS EAP TILS Spectrum & Regulatory 802.11h Voice-Enterprise WMM®-Admission Control WMM®-Power Save Unschedule auto PS Legacy Power Save Unschedule auto PS EAP TMETHED TIS EAP THEN EAP AKA EAP AKA Prime EAP FAST-MSCHAPV2 EAP SIM EAP TILS PEAPV0 PEAPV1 WI-Fi CERTIFIED TM a Wi-Fi CERTIFIED TM ac A-MPDU with A-MSDU | Certifications | | | |
| Unschedule auto PS 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 80 MHz Channel Width in 5 GHz Protected Management Frames Protected Management Frames Spectrum & Regulatory 802.11h Voice-Enterprise WMM®-Admission Control WMM®-Power Save | 2.4 GHz Spectrum Capabilities | WMM®-Power Save (continued) | | |
| 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 EAP AKA EAP AKA EAP AKA Prime EAP FAST-MSCHAPv2 EAP SIM EAP TLS EAP TLS EAP TLS EAP TLS PEAPv0 PEAPv1 Voice-Enterprise WMM®-Admission Control WMM®-Power Save | 20 MHz Channel Width in 2.4 GHz | Legacy Power Save | | |
| 20 MHz Channel Width in 5 GHz 40 MHz Channel Width in 5 GHz 80 MHz Channel Width in 5 GHz Protected Management Frames EAP AKA EAP AKA Prime EAP FAST-MSCHAPv2 EAP SIM EAP TLS EAP TLS EAP TLS PEAPv0 PEAPv1 WPA2™-Personal Wi-Fi CERTIFIED™ a Wi-Fi CERTIFIED™ ac A-MPDU with A-MSDU | 40 MHz Channel Width in 2.4 GHz | Unschedule auto PS | | |
| ## ACT AND POWER STATE ## ACT AND PUT WITH A-MSDU ## ACT AND PU | 5 GHz Spectrum Capabilities | WPA2™-Enterprise | | |
| EAP AKA Prime EAP FAST-MSCHAPv2 EAP SIM EAP TLS EAP TTLS EAP TTLS PEAPv0 PEAPv1 WMM® WMM®-Admission Control EAP AKA Prime EAP FAST-MSCHAPv2 EAP SIM EAP TLS EAP TTLS PEAPv0 PEAPv1 WPA2™-Personal Wi-Fi CERTIFIED™ a Wi-Fi CERTIFIED™ ac A-MPDU with A-MSDU | 20 MHz Channel Width in 5 GHz | EAP methods | | |
| Protected Management Frames EAP FAST-MSCHAPV2 EAP SIM EAP TLS EAP TTLS PEAPv0 PEAPv1 WPA2™-Personal Wi-Fi CERTIFIED™ a Wi-Fi CERTIFIED™ ac Wi-Fi CERTIFIED™ ac A-MPDU with A-MSDU | | | | |
| Protected Management Frames EAP TLS EAP TTLS PEAPv0 PEAPv1 WPA2™-Personal Wi-Fi CERTIFIED™ a Wi-Fi CERTIFIED™ ac Wi-Fi CERTIFIED™ ac Wi-Fi CERTIFIED™ ac A-MPDU with A-MSDU | 80 MHz Channel Width in 5 GHz | | | |
| Spectrum & Regulatory 802.11h Voice-Enterprise WMM® Wi-Fi CERTIFIED™ a Wi-Fi CERTIFIED™ ac WMM®-Admission Control WMM® Power Save | Protected Management Frames | | | |
| Spectrum & Regulatory 802.11h Voice-Enterprise WMM® WMM®-Admission Control WMM®-Rower Save A-MPDU with A-MSDU | i Totected management i fames | | | |
| WPA2™-Personal Wi-Fi CERTIFIED™ a Wi-Fi CERTIFIED™ ac Wi-Mi CERTIFIED™ ac Wi-Fi CERTIFIED™ ac A-MPDU with A-MSDU | Spectrum & Regulatory | | | |
| WMM® Power Save Wi-Fi CERTIFIED™ a Wi-Fi CERTIFIED™ a Wi-Fi CERTIFIED™ ac A-MPDU with A-MSDU | 802.11h | PEAPv1 | | |
| WMM®-Admission Control WMM® Power Save | Voice-Enterprise | WPA2™-Personal | | |
| WMM® Power Save | WMM® | Wi-Fi CERTIFIED™ a | | |
| WMM® Power Save | WMM®-Admission Control | Wi-Fi CERTIFIED™ ac | | |
| | WMM®-Power Save | A-MPDU with A-MSDU | | |



Certification ID: WFA63703



Role: Station Page 4 of 5 Wi-Fi CERTIFIED™ ac (continued) MCS 8-9 Rx Short Guard Interval LDPC Tx 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 **RIFS Power Management** Short Guard Interval Wi-Fi Direct® Wi-Fi Protected Setup™ PIN Pushbutton







| Role: Source Page 5 of 5 | | | |
|--|-----------------|---------------|--------------|
| Wi-Fi Components | | | |
| Wi-Fi Component Operating System | RF Architecture | | |
| Android, version:7.0 | Bands Supported | Transmit (Tx) | Receive (Rx) |
| Wi-Fi Component Firmware REV1.0 | 2.4 GHz | 2 | 2 |
| IXLV1.0 | 5 GHz | 2 | 2 |
| Certifications Miracast® HDCP Encryption | | | |