



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: WFA53456

Product Info

| | |
|------------------------------|------------------------------------------|
| Date of Certification | March 7, 2016 |
| Company | Samsung Electronics |
| Product Name | Samsung Galaxy S5 |
| Product Model Variant | 2016-03-07 (WFA53456 - 5348787) |
| Model Number | SM-G9006W |
| Category | Phones |
| Sub-category | Smartphone, multi-mode (Wi-Fi and other) |

Summary of Certifications

| CLASSIFICATION | CERTIFICATION |
|------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Access | Passpoint® Release 2 Wi-Fi Protected Setup™ |
| Applications & Services | Miracast® Wi-Fi Direct® |
| 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 |
| Optimization | WMM® WMM®-Power Save |
| Security | Protected Management Frames WPA2™-Enterprise WPA2™-Personal WPA™-Enterprise WPA™-Personal |



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Summary of Certifications (continued)

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CLASSIFICATION

CERTIFICATION

Spectrum & Regulatory
Features

Spectrum & Regulatory



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Role: Station

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Wi-Fi Components

Wi-Fi Component Operating System

Android, version:6.0

Wi-Fi Component Firmware

REV1.0

RF Architecture

| Bands Supported | Transmit (Tx) | Receive (Rx) |
|-----------------|---------------|--------------|
| 2.4 GHz | 2 | 2 |
| 5 GHz | 2 | 2 |

Certifications

2.4 GHz Spectrum Capabilities

20 MHz Channel Width
40 MHz Channel Width

Spectrum & Regulatory (continued)

802.11h

5 GHz Spectrum Capabilities

20 MHz Channel Width
40 MHz Channel Width
80 MHz Channel Width

WMM®

WMM®-Power Save

Legacy Power Save
Unschedule auto PS

Passpoint® Release 2

Display and input method
Display of HS2.0 indication
NAI Home Realm Query element
Network Information in network selection
Operating Class Indication
Online Sign Up and Policy provisioning
SIM credentials

WPA2™-Enterprise

EAP methods
EAP AKA
EAP AKA Prime
EAP FAST-MSCHAPv2
EAP SIM
EAP TLS
EAP TTLS
PEAPv0
PEAPv1

Protected Management Frames

Spectrum & Regulatory

WPA2™-Personal



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WPA™-Enterprise

WPA™-Personal

Wi-Fi CERTIFIED™ a

Wi-Fi CERTIFIED™ ac

A-MPDU with A-MSDU
MCS 8-9 Rx
Short Guard Interval
SU beamformee

Wi-Fi CERTIFIED™ b

Wi-Fi CERTIFIED™ g

Wi-Fi CERTIFIED™ n

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



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Role: Source

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Certifications

Miracast®

HDCP Encryption