



# 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](http://www.wi-fi.org/certification/programs)

**Certification ID: WFA53091**

## Product Info

<b>Date of Certification</b>	October 8, 2014
<b>Company</b>	Samsung Electronics
<b>Product Name</b>	Samsung Galaxy S5
<b>Product Model Variant</b>	2014-10-08 (WFA53091 - 5384471)
<b>Model Number</b>	SM-G900K
<b>Category</b>	Phones
<b>Sub-category</b>	Smartphone, multi-mode (Wi-Fi and other)

## Summary of Certifications

<b>CLASSIFICATION</b>	<b>CERTIFICATION</b>
<b>Access</b>	Passpoint® Release 2 Wi-Fi Protected Setup™
<b>Applications &amp; Services</b>	Miracast® Wi-Fi Direct®
<b>Connectivity</b>	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
<b>Optimization</b>	WMM® WMM®-Power Save
<b>Security</b>	Protected Management Frames WPA2™-Enterprise WPA2™-Personal WPA™-Enterprise WPA™-Personal



# Wi-Fi CERTIFIED™ Certificate

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## Summary of Certifications (continued)

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### CLASSIFICATION

### CERTIFICATION

Spectrum & Regulatory  
Features

Spectrum & Regulatory



# Wi-Fi CERTIFIED™ Certificate

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Role: Station

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## Wi-Fi Components

### Wi-Fi Component Operating System

Android, version:4.4

### 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

### WMM®-Power Save

Legacy Power Save  
Unschedule auto PS

### 5 GHz Spectrum Capabilities

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

### WPA2™-Enterprise

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

### Passpoint® Release 2

Display and input method  
NAI Home Realm Query element  
Online Sign Up and Policy provisioning

### WPA2™-Personal

### Protected Management Frames

### WPA™-Enterprise

### Spectrum & Regulatory

802.11h

### WPA™-Personal

### Wi-Fi CERTIFIED™ a

### WMM®

### Wi-Fi CERTIFIED™ ac



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## Wi-Fi CERTIFIED™ ac (continued)

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



# Wi-Fi CERTIFIED™ Certificate

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Role: Source

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## Certifications

### Miracast®

HDCP Encryption