



# 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: WFA81968**

## Product Info

Date of Certification	February 7, 2020
Company	Samsung Electronics
Product Name	SM-A405FN/DS
Product Model Variant	2020-02-07 (WFA81968 - 10534281)
Model Number	SM-A405FN/DS
Category	Phones
Sub-category	Smartphone

## Summary of Certifications

CLASSIFICATION	CERTIFICATION
Applications & Services	Voice-Enterprise
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 Wi-Fi Direct®
Optimization	WMM® WMM®-Admission Control WMM®-Power Save
Security	Protected Management Frames WPA2™-Enterprise 2018-04 WPA2™-Personal 2018-04 WPA™-Enterprise WPA™-Personal
Spectrum & Regulatory Features	Spectrum & Regulatory



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Role: Station

Page 2 of 3

## Wi-Fi Components

### Wi-Fi Component Operating System

Android, version:10.0

### Wi-Fi Component Firmware

2.0.1.148.1

### RF Architecture

Bands Supported	Transmit (Tx)	Receive (Rx)
2.4 GHz	1	1
5 GHz	1	1

## Certifications

### 2.4 GHz Spectrum Capabilities

20 MHz Channel Width in 2.4 GHz  
40 MHz Channel Width in 2.4 GHz

### WMM®-Power Save (continued)

Legacy Power Save  
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

### WPA2™-Enterprise 2018-04

EAP methods  
EAP AKA  
EAP AKA Prime  
EAP SIM  
EAP TLS  
EAP TTLS  
PEAPv0  
PEAPv1

### Protected Management Frames

### Spectrum & Regulatory

802.11h

### WPA2™-Personal 2018-04

### Voice-Enterprise

### WPA™-Enterprise

### WMM®

### WPA™-Personal

### WMM®-Admission Control

### Wi-Fi CERTIFIED™ a

### WMM®-Power Save

### Wi-Fi CERTIFIED™ ac



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Page 3 of 3

## Wi-Fi CERTIFIED™ ac (continued)

Extended 5 GHz Channel Support  
A-MPDU with A-MSDU  
LDPC Rx  
MCS 8-9 Rx  
Short Guard Interval  
STBC  
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  
Short Guard Interval

## Wi-Fi Direct®