



# 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: WFA114981**

## Product Info

|                       |                     |
|-----------------------|---------------------|
| Date of Certification | October 26, 2021    |
| Company               | Samsung Electronics |
| Product Name          | Galaxy A03s NA      |
| Product Model Variant | SM-A037U1/DS        |
| Model Number          | SM-A037U1/DS        |
| Category              | Phones              |
| Sub-category          | Smartphone          |

## Summary of Certifications

| CLASSIFICATION | CERTIFICATION  |
|----------------|--|
| Connectivity   | 2.4 GHz Spectrum Capabilities<br>5 GHz Spectrum Capabilities<br>Wi-Fi CERTIFIED™ a<br>Wi-Fi CERTIFIED™ ac<br>Wi-Fi CERTIFIED™ b<br>Wi-Fi CERTIFIED™ g<br>Wi-Fi CERTIFIED™ n<br>Wi-Fi Direct® |
| Optimization   | WMM®<br>WMM®-Power Save  |
| Security       | Protected Management Frames<br>WPA2™-Enterprise 2018-04<br>WPA2™-Personal 2021-01<br>WPA3™-Enterprise 2020-02<br>WPA3™-Personal 2020-02<br>WPA™-Enterprise<br>WPA™-Personal                  |



# Wi-Fi CERTIFIED™ Certificate

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Role: Access Point

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## Wi-Fi Components

### Wi-Fi Component Operating System

Android 11

### Wi-Fi Component Firmware

210708093001000

### 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

### 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

### Protected Management Frames

### WMM®

### WPA2™-Personal 2021-01

### WPA3™-Personal 2020-02

### Wi-Fi CERTIFIED™ a

### Wi-Fi CERTIFIED™ ac

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

### Wi-Fi CERTIFIED™ b

### Wi-Fi CERTIFIED™ g

### Wi-Fi CERTIFIED™ n

OBSS on Extension Channel  
Short Guard Interval  
A-MPDU Tx



# Wi-Fi CERTIFIED™ Certificate

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Role: Station

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## Wi-Fi Components

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## Certifications

### 2.4 GHz Spectrum Capabilities

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### 5 GHz Spectrum Capabilities

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40 MHz Channel Width in 5 GHz

80 MHz Channel Width in 5 GHz

### Protected Management Frames

### WMM®

### WMM®-Power Save

Legacy Power Save

Unschedule auto PS

### WPA2™-Enterprise 2018-04

EAP methods

EAP AKA

EAP AKA Prime

### WPA2™-Enterprise 2018-04 (continued)

EAP SIM

EAP TLS

EAP TTLS

PEAPv0

PEAPv1

### WPA2™-Personal 2021-01

### WPA3™-Enterprise 2020-02

EAP methods

EAP AKA

EAP AKA Prime

EAP SIM

EAP TLS

EAP TTLS

PEAPv0

PEAPv1

Server Certificate Validation

### WPA3™-Personal 2020-02

### WPA™-Enterprise



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Role: Station

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WPA™-Personal

Wi-Fi CERTIFIED™ a

Wi-Fi CERTIFIED™ ac

A-MPDU with A-MSDU  
MCS 8-9 Rx  
Short Guard Interval  
STBC  
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®