



# 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: WFA119156**

## Product Info

|                       |   |
|-----------------------|---|
| Date of Certification | April 21, 2023  |
| Company               | Sagemcom Broadband SAS  |
| Product Name          | F@st5359  |
| Product Model Variant | Shell Wi-Fi Hub   |
| Model Number          | F@st5359  |
| Category              | Routers   |
| Sub-category          | Cable, DSL or Other Broadband Gateway (Integrated Home Access Device) |

## Summary of Certifications

| CLASSIFICATION | CERTIFICATION   |
|----------------|---|
| Connectivity   | 2.4 GHz Spectrum Capabilities<br>5 GHz Spectrum Capabilities<br>Wi-Fi CERTIFIED 6®<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 |
| Optimization   | WMM®<br>Wi-Fi Agile Multiband™  |
| Security       | Protected Management Frames<br>WPA2™-Personal 2021-01<br>WPA3™-Personal 2020-12   |



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Role: Access Point

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### Wi-Fi Components

#### Wi-Fi Component Operating System

Linux

#### Wi-Fi Component Firmware

21.2p1

#### RF Architecture

| Bands Supported | Transmit (Tx) | Receive (Rx) |
|-----------------|---------------|--------------|
| 2.4 GHz         | 2             | 2            |
| 5 GHz           | 4             | 4            |

### Certifications

#### 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  
80 MHz Channel Width in 5 GHz  
160 MHz Channel Width in 5 GHz

#### Protected Management Frames

#### WMM®

#### WPA2™-Personal 2021-01

#### WPA3™-Personal 2020-12

#### Wi-Fi Agile Multiband™

#### Wi-Fi CERTIFIED 6®

4 antenna support

#### Wi-Fi CERTIFIED 6® (continued)

A-MPDU with A-MSDU  
Basic Trigger frame in HE MU PPDU  
Beamforming sounding  
DL MU-MIMO  
DL OFDMA  
Individual Target Wake Time  
LDPC Rx  
LDPC Tx  
MCS 8-9 Rx  
MCS 8-9 Tx  
MCS 10-11 Rx  
MCS 10-11 Tx  
Operating Mode indication  
SU beamformer  
SU-MIMO  
UL OFDMA

#### Wi-Fi CERTIFIED™ a

#### Wi-Fi CERTIFIED™ ac

Extended 5 GHz Channel Support  
A-MPDU with A-MSDU  
DL MU-MIMO



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## Wi-Fi CERTIFIED™ ac (continued)

LDPC Rx  
LDPC Tx  
MCS 8-9 Rx  
Short Guard Interval  
STBC  
SU beamformer

## Wi-Fi CERTIFIED™ b

## Wi-Fi CERTIFIED™ g

## Wi-Fi CERTIFIED™ n

OBSS on Extension Channel  
Short Guard Interval  
STBC  
A-MPDU Tx