



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 ID: WFA128155

Product Info

Date of Certification	September 15, 2023
Company	Sagemcom Broadband SAS
Product Name	Livebox 7
Product Model Variant	F@5694E
Model Number	F@5694E
Category	Routers
Sub-category	Cable, DSL or Other Broadband Gateway (Integrated Home Access Device)

Summary of Certifications

CLASSIFICATION	CERTIFICATION
Network management	WMM® Wi-Fi Agile Multiband™
Security	Protected Management Frames WPA2™-Personal 2021-01 WPA3™-Personal 2022-06 Wi-Fi Enhanced Open™ 2021-01
Wi-Fi (MAC/PHY)	2.4 GHz Spectrum Capabilities 5 GHz Spectrum Capabilities 6 GHz Spectrum Capabilities Wi-Fi CERTIFIED 6® Release 2 Wi-Fi CERTIFIED™ a Wi-Fi CERTIFIED™ ac Wi-Fi CERTIFIED™ b Wi-Fi CERTIFIED™ g Wi-Fi CERTIFIED™ n

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Role: Access Point

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Wi-Fi Components

Wi-Fi Component Operating System

Linux

Wi-Fi Component Firmware

SG_SWAN_v23.2.0

RF Architecture

Bands Supported	Transmit (Tx)	Receive (Rx)
2.4 GHz	3	3
5 GHz	4	4
6 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

WPA3™-Personal 2022-06

Wi-Fi Agile Multiband™

Wi-Fi CERTIFIED 6® Release 2

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

4 antenna support

A-MPDU with A-MSDU

Basic Trigger frame in HE MU PPDU

Beamforming sounding

BSRP Trigger frame

Compressed Block Ack Rx (buffer size 256)

Compressed Block Ack Tx (buffer size 256)

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

MU EDCA Parameter Set element

MU-BAR Trigger frame

Operating mode subfield in A-Control field

6 GHz Spectrum Capabilities

20 MHz Channel Width in 6 GHz
40 MHz Channel Width in 6 GHz
80 MHz Channel Width in 6 GHz
160 MHz Channel Width in 6 GHz

Protected Management Frames

WMM®

WPA2™-Personal 2021-01

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Wi-Fi CERTIFIED 6® Release 2 (continued)

- Operating mode indication
- Operating mode UL MU Rx
- SU beamformer
- SU-MIMO
- UL OFDMA
- Wi-Fi 6E
- Wi-Fi 6 Release 2 features
 - UL MU-MIMO
 - UL MU Control
 - UL Extended Range
 - Target Wake Time information frames
 - Broadcast Target Wake Time
 - Extended sleep
 - Dynamic MU SMPS
 - Preamble Puncturing

Wi-Fi CERTIFIED™ n (continued)

- A-MPDU Tx
- Short Guard Interval
- STBC

Wi-Fi Enhanced Open™ 2021-01

Wi-Fi CERTIFIED™ a

Wi-Fi CERTIFIED™ ac

- A-MPDU with A-MSDU
- DL MU-MIMO
- 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

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