



# 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: WFA118646**

## Product Info

|                       |   |
|-----------------------|---|
| Date of Certification | May 24, 2022  |
| Company               | Nokia Shanghai Bell Co., Ltd.   |
| Product Name          | Nokia WiFi Beacon G6  |
| Product Model Variant | Beacon G6   |
| Model Number          | Beacon G6   |
| Category              | Routers   |
| Sub-category          | Cable, DSL or Other Broadband Gateway (Integrated Home Access Device) |

## Summary of Certifications

| CLASSIFICATION | CERTIFICATION   |
|----------------|---|
| Access         | Wi-Fi Protected Setup™  |
| 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™<br>Wi-Fi EasyMesh™   |
| Security       | Protected Management Frames<br>WPA2™-Enterprise 2018-04<br>WPA2™-Personal 2021-01<br>WPA3™-Enterprise 2020-02<br>WPA3™-Personal 2020-12<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

Linux 4.14.180

### Wi-Fi Component Firmware

3FE49544

### RF Architecture

| Bands Supported | Transmit (Tx) | Receive (Rx) |
|-----------------|---------------|--------------|
| 2.4 GHz         | 4             | 4            |
| 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™-Enterprise 2018-04

EAP methods

### WPA2™-Personal 2021-01

### WPA3™-Enterprise 2020-02

### WPA3™-Enterprise 2020-02 (continued)

EAP methods

### WPA3™-Personal 2020-12

### WPA™-Enterprise

### WPA™-Personal

### Wi-Fi Agile Multiband™

Automatically populate BSS Transition candidate list

### Wi-Fi CERTIFIED 6®

4 antenna support  
A-MPDU with A-MSDU  
Basic Trigger frame in HE MU PPDU  
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



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## Wi-Fi CERTIFIED 6® (continued)

LDPC Rx  
LDPC Tx  
MCS 8-9 Rx  
MCS 8-9 Tx  
MCS 10-11 Rx  
MCS 10-11 Tx  
MU-BAR Trigger frame  
MU-RTS Trigger frame  
Operating Mode indication  
SU beamformer  
SU-MIMO  
TXOP RTS Threshold  
UL OFDMA

## Wi-Fi CERTIFIED™ n (continued)

Short Guard Interval  
STBC  
A-MPDU Tx

## Wi-Fi Protected Setup™

PIN  
Pushbutton

## 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

OBSS on Extension Channel



# Wi-Fi CERTIFIED™ Certificate

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Role: Controller

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## Wi-Fi Components

Wi-Fi Component Operating System

Linux 4.14.180

## Certifications

Wi-Fi EasyMesh™