



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

Certification ID: WFA113082

Product Info

Date of Certification	March 21, 2025
Company	Samsung Electronics
Product Name	SC-54B
Product Model Variant	2024-08-16
Model Number	SC-54B
Category	Phones
Sub-category	Smartphone

Summary of Certifications

CLASSIFICATION	CERTIFICATION
Access	Wi-Fi Protected Setup™
Applications & Services	Voice-Enterprise Wi-Fi Aware™
Connectivity	2.4 GHz Spectrum Capabilities 5 GHz Spectrum Capabilities Wi-Fi CERTIFIED 6® Wi-Fi CERTIFIED™ a Wi-Fi CERTIFIED™ ac Wi-Fi CERTIFIED™ b Wi-Fi CERTIFIED™ g Wi-Fi CERTIFIED™ n Wi-Fi Direct® Wi-Fi Enhanced Open™ 2021-01
Optimization	WMM® WMM®-Admission Control WMM®-Power Save Wi-Fi Agile Multiband™ Wi-Fi Optimized Connectivity™ 2018
Security	Protected Management Frames

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Wi-Fi CERTIFIED™ Certificate

Certification ID: WFA113082



Summary of Certifications (continued)

Page 2 of 6

CLASSIFICATION

CERTIFICATION

Security

WPA2™-Enterprise 2018-04
WPA2™-Personal 2021-01
WPA3™-Enterprise 2020-02
WPA3™-Personal 2020-02
WPA3™-Personal 2022-06

Spectrum & Regulatory Features

Spectrum & Regulatory

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Wi-Fi CERTIFIED™ Certificate

Certification ID: WFA113082



Role: Access Point

Page 3 of 6

Wi-Fi Components

Wi-Fi Component Operating System

Android 15.0

Wi-Fi Component Firmware

WLAN.HST.1.0.1.r1-01051

RF Architecture

Bands Supported	Transmit (Tx)	Receive (Rx)
2.4 GHz	2	2

Certifications

2.4 GHz Spectrum Capabilities

20 MHz Channel Width in 2.4 GHz

Protected Management Frames

WMM®

WPA2™-Personal 2021-01

WPA3™-Personal 2020-02

Wi-Fi CERTIFIED 6®

A-MPDU with A-MSDU
 LDPC Rx
 LDPC Tx
 MCS 8-9 Rx
 MCS 8-9 Tx
 SU beamformer

Wi-Fi CERTIFIED™ b

Wi-Fi CERTIFIED™ g

Wi-Fi CERTIFIED™ n

Wi-Fi CERTIFIED™ n (continued)

Short Guard Interval
 STBC
 A-MPDU Tx

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Wi-Fi CERTIFIED™ Certificate

Certification ID: WFA113082



Role: Station

Page 4 of 6

Wi-Fi Components

Wi-Fi Component Operating System

Android 15.0

Wi-Fi Component Firmware

WLAN.HST.1.0.1.r1-01051

RF Architecture

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

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

Spectrum & Regulatory

802.11h

Voice-Enterprise

WMM®

WMM®-Admission Control

WMM®-Power Save

WMM®-Power Save (continued)

Legacy Power Save
Unschedule auto PS

WPA2™-Enterprise 2018-04

EAP methods
EAP AKA
EAP AKA Prime
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

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Certification ID: WFA113082



Role: Station

Page 5 of 6

WPA3™-Enterprise 2020-02 (continued)

EAP TTLS
PEAPv0
PEAPv1
Server Certificate Validation

WPA3™-Personal 2022-06

Wi-Fi Agile Multiband™

Beacon Report Measurement Active Mode
Beacon Report Measurement Passive Mode
BTM Query
Cellular Data capable
Fast Transition OTA on WPA2-Personal

Wi-Fi Aware™

Bluetooth® Low Energy - Browser
Bluetooth® Low Energy - Provider
Bluetooth® Low Energy - Seeker
Device Ranging

Wi-Fi CERTIFIED 6®

A-MPDU with A-MSDU
Beamforming sounding
BSRP Trigger frame
DL MU-MIMO
LDPC Tx
LDPC Rx
MCS 10-11 Rx
MCS 10-11 Tx
MCS 8-9 Rx
MCS 8-9 Tx

Wi-Fi CERTIFIED 6® (continued)

MU EDCA Parameter Set element
MU-BAR Trigger frame
MU-RTS Trigger frame
M-BSSID
Operating mode control field
Operating mode subfield in A-Control field
Operating mode indication
SU beamformee
UL OFDMA

Wi-Fi CERTIFIED™ a

Wi-Fi CERTIFIED™ ac

Extended 5 GHz Channel Support
A-MPDU with A-MSDU
DL MU-MIMO
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
OBSS on Extension Channel
Short Guard Interval

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Role: Station

Page 6 of 6

Wi-Fi Direct®

Wi-Fi Enhanced Open™ 2021-01

Wi-Fi Optimized Connectivity™ 2018

Active Scan

Pushbutton

Wi-Fi Protected Setup™

Pushbutton

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