



This certificate lists the features that have successfully completed Wi-Fi Alliance interoperability testing. Learn more: www.wi-fi.org

Certification ID: WFA131836

Product Info

Date of Certification July 8, 2024

Company Samsung Electronics

Product Name Mobile Phone

Product Model Variant SM-M558B/DS

Model Number SM-M558B/DS

Category Phones

Sub-category Smartphone

Summary of Certifications

CLASSIFICATION CERTIFICATION

Access Wi-Fi Protected Setup™

Alternative topologies Wi-Fi Direct®

Network management WMM®

WMM®-Admission Control WMM®-Power Save

Wi-Fi Agile Multiband™

Performance Voice-Enterprise

Security Protected Management Frames

WPA2[™]-Enterprise 2018-04 WPA2[™]-Personal 2021-01 WPA3[™]-Enterprise 2022-12 WPA3[™]-Personal 2022-06

Wi-Fi (MAC/PHY) 2.4 GHz Spectrum Capabilities

5 GHz Spectrum Capabilities

Wi-Fi CERTIFIED [™] a
Wi-Fi CERTIFIED [™] a
Wi-Fi CERTIFIED [™] b



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Summary of Certifications (continued)		Page 2 of 6
CLASSIFICATION	CERTIFICATION	
Wi-Fi (MAC/PHY)	Wi-Fi CERTIFIED™ g Wi-Fi CERTIFIED™ n	



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Role: Access Point	Page 3 of 6
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Wi-Fi Components

Wi-Fi Component Operating System

Android

Wi-Fi Component Firmware

WLAN.MSL.2.0-01052-QCAMSLSWPLZ-1

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 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 GHz160 MHz Channel Width in 5 GHz

Wi-Fi CERTIFIED 6® (continued)

Compressed Block Ack Tx (buffer size 256)

DL OFDMA

Individual Target Wake Time

LDPC Rx

LDPC Tx

MU EDCA Parameter Set element

MU-BAR Trigger frame

TXOP RTS Threshold

UL OFDMA

Protected Management Frames

WMM®

WPA2™-Personal 2021-01

WPA3™-Personal 2022-06

Wi-Fi CERTIFIED 6®

A-MPDU with A-MSDU BSRP Trigger frame

Compressed Block Ack Rx (buffer size 256)

Wi-Fi CERTIFIED™ a

Wi-Fi CERTIFIED™ ac

A-MPDU with A-MSDU

LDPC Rx

LDPC Tx

Short Guard Interval

STBC

Wi-Fi CERTIFIED™ b

Wi-Fi CERTIFIED™ g



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Role: Access Point Page 4 of 6

Wi-Fi CERTIFIED™ n

A-MPDU Tx

HT Duplicate Mode

OBSS on Extension Channel

Short Guard Interval

STBC



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Role: Station Page 5 of 6

Wi-Fi Components

Wi-Fi Component Operating System

Android

Wi-Fi Component Firmware

WLAN.MSL.2.0-01052-QCAMSLSWPLZ-1

RF Architecture

Bands Supported	Transmit (Tx)	Receive (Rx)
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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

WPA2™-Enterprise 2018-04

EAP methods

EAP AKA

EAP AKA Prime

EAP SIM

EAP TLS

EAP TTLS

PEAPv0

PEAPv1

WPA2™-Personal 2021-01

Protected Management Frames

Voice-Enterprise

WMM®

WMM®-Admission Control

WMM®-Power Save

Legacy Power Save

Unschedule auto PS

WPA3™-Enterprise 2022-12

EAP methods

EAP AKA

EAP AKA Prime

EAP SIM

EAP TLS

EAP TTLS

PEAPv0

PEAPv1

Server Certificate Validation

WPA3™-Personal 2022-06



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Role: Station Page 6 of 6

Wi-Fi Agile Multiband™

Beacon Report Measurement Active Mode

Wi-Fi CERTIFIED 6®

A-MPDU with A-MSDU

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

MU EDCA Parameter Set element

MU-BAR Trigger frame

MU-RTS Trigger frame

M-BSSID

Operating mode subfield in A-Control field

SU beamformee

UL OFDMA

Wi-Fi CERTIFIED™ a

Wi-Fi CERTIFIED™ ac

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

A-MPDU Tx

HT Duplicate Mode

OBSS on Extension Channel

Short Guard Interval

STBC

Wi-Fi Direct®

Wi-Fi Direct with WPA2

Wi-Fi Protected Setup™

PIN

Pushbutton