



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: 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™ |
| Applications & Services | Voice-Enterprise |
| 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® |
| Optimization | WMM® WMM®-Admission Control WMM®-Power Save Wi-Fi Agile Multiband™ |
| Security | Protected Management Frames WPA2™-Enterprise 2018-04 WPA2™-Personal 2021-01 WPA3™-Enterprise 2022-12 |



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Summary of Certifications (continued)

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CLASSIFICATION

CERTIFICATION

Security

WPA3™-Personal 2022-06



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Role: Access Point

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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 GHz
160 MHz Channel Width in 5 GHz

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 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

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

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Wi-Fi CERTIFIED™ n

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



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Role: Station

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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

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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

Protected Management Frames

Voice-Enterprise

WMM®

WMM®-Admission Control

WMM®-Power Save

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 2022-12

EAP methods
EAP AKA
EAP AKA Prime
EAP SIM
EAP TLS
EAP TTLS
PEAPv0
PEAPv1
Server Certificate Validation

WPA3™-Personal 2022-06



Wi-Fi CERTIFIED™ Certificate

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Role: Station

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Wi-Fi Agile Multiband™

Beacon Report Measurement Active Mode

Wi-Fi CERTIFIED 6®

A-MPDU with A-MSDU
BSRP Trigger frame
DL MU-MIMO
DL MU PPDU multi-tone
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
Operating mode subfield in A-Control field
SU beamformee
UL OFDMA
UL TB PPDU multi-tone

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 Protected Setup™

PIN
Pushbutton