



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: WFA127396

Product Info

Date of Certification	July 24, 2023
Company	Google, Inc.
Product Name	GKWS6, G9BQD, GZPF0, GPJ41
Product Model Variant	GKWS6, G9BQD, GZPF0, GPJ41
Model Number	GKWS6, G9BQD, GZPF0, GPJ41
Category	Phones
Sub-category	Smartphone

Summary of Certifications

CLASSIFICATION	CERTIFICATION
Applications & Services	Voice-Enterprise Wi-Fi Aware™
Connectivity	2.4 GHz Spectrum Capabilities 5 GHz Spectrum Capabilities 6 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™
Security	Protected Management Frames WPA2™-Enterprise 2018-04 WPA2™-Personal 2021-01



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Summary of Certifications (continued)

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CLASSIFICATION	CERTIFICATION
Security	WPA3™-Enterprise 2020-02 WPA3™-Personal 2022-06 WPA™-Enterprise WPA™-Personal
Spectrum & Regulatory Features	Spectrum & Regulatory



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Role: Access Point

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Wi-Fi Components

Wi-Fi Component Operating System

Android

Wi-Fi Component Firmware

24.646.3.2

RF Architecture

Bands Supported	Transmit (Tx)	Receive (Rx)
2.4 GHz	2	2
5 GHz	2	2
6 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

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

Protected Management Frames

Spectrum & Regulatory

802.11d

WMM®

WPA2™-Personal 2021-01

WPA3™-Personal 2022-06

Wi-Fi CERTIFIED 6®

A-MPDU with A-MSDU
LDPC Rx
LDPC Tx
MCS 8-9 Rx
MCS 8-9 Tx
MCS 10-11 Rx
MCS 10-11 Tx
SU-MIMO
Wi-Fi 6E

Wi-Fi CERTIFIED™ a

Wi-Fi CERTIFIED™ ac

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



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Wi-Fi CERTIFIED™ ac (continued)

Short Guard Interval

Wi-Fi CERTIFIED™ b

Wi-Fi CERTIFIED™ g

Wi-Fi CERTIFIED™ n

OBSS on Extension Channel

Short Guard Interval

A-MPDU Tx

Wi-Fi Enhanced Open™ 2021-01



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Role: Station

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Wi-Fi Components

Wi-Fi Component Operating System

Android

Wi-Fi Component Firmware

24.10.526

RF Architecture

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

Certifications

2.4 GHz Spectrum Capabilities

20 MHz Channel Width in 2.4 GHz

Spectrum & Regulatory (continued)

802.11h

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

Voice-Enterprise

WMM®

WMM®-Admission Control

WMM®-Power Save

Legacy Power Save

Unschedule auto PS

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

WPA2™-Enterprise 2018-04

EAP methods

EAP AKA

EAP AKA Prime

EAP SIM

EAP TLS

EAP TTLS

PEAPv0

Protected Management Frames

Spectrum & Regulatory

802.11d



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Role: Station

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WPA2™-Enterprise 2018-04 (continued)

PEAPv1

WPA2™-Personal 2021-01

WPA3™-Enterprise 2020-02

EAP methods

- EAP AKA
- EAP AKA Prime
- EAP SIM
- EAP TLS
- EAP TTLS
- PEAPv0
- PEAPv1

192-bit security

192-bit security RSA 3K with the TLS_ECDHE_RSA_WITH_AES_256_GCM_SHA384 cipher suite

- Fast Transition OTA on WPA3-Enterprise
- Fast Transition OTA on WPA3-Enterprise transition mode
- Fast Transition OTDS on WPA3-Enterprise
- Server Certificate Validation

WPA3™-Personal 2022-06

- Fast Transition OTA on WPA3-Personal
- Fast Transition OTA on WPA3-Personal transition mode
- Fast Transition OTDS on WPA3-Personal

WPA™-Enterprise

WPA™-Personal

Wi-Fi Agile Multiband™

Wi-Fi Agile Multiband™ (continued)

- ANQP
- ANQP-based Neighbor report
- Beacon Report Measurement Active Mode
- Beacon Report Measurement Passive Mode
- BTM Query
- Cellular Data capable
- Fast Transition OTA on WPA2-Personal
- Fast Transition OTA on WPA2-Enterprise

Wi-Fi Aware™

Wi-Fi CERTIFIED 6®

- A-MPDU with A-MSDU
- Beamforming sounding
- BSRP Trigger frame
- DL MU-MIMO
- DL Mu PPDU multi-tone
- HE NDP
- LDPC Tx
- LDPC Rx
- Individual Target Wake Time
- 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
- OM Control field Tx
- Operating Mode indication
- SU beamformee
- SU-MIMO
- UL OFDMA
- UL TB PPDU multi-tone



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Role: Station

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Wi-Fi CERTIFIED 6® (continued)

Wi-Fi 6E
Multiple M-BSSID

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
LDPC Tx
SU beamformee

Wi-Fi CERTIFIED™ b

Wi-Fi CERTIFIED™ g

Wi-Fi CERTIFIED™ n

A-MPDU Tx
OBSS on Extension Channel
Short Guard Interval

Wi-Fi Direct®

Wi-Fi Enhanced Open™ 2021-01