

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: WFA91860

Product Info

Date of Certification	September 20, 2019
Company	Samsung Electronics
Product Name	SM-W2020
Product Model Variant	2019-09-20 (WFA91860 - 9822531)
Model Number	SM-W2020
Category	Phones
Sub-category	Smartphone

Summary of Certifications

CLASSIFICATION	CERTIFICATION
Applications & Services	Voice-Enterprise
Connectivity	2.4 GHz Spectrum Capabilities 5 GHz Spectrum Capabilities 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™ Wi-Fi Optimized Connectivity™ 2018
Security	Protected Management Frames WPA2 [™] -Enterprise 2018-04 WPA2 [™] -Personal 2018-04 WPA3 [™] -Enterprise 2018-04 WPA3 [™] -Personal 2019-08 WPA [™] -Enterprise



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Summary of Certifica	Summary of Certifications (continued) Page 2 of 4	
CLASSIFICATION	CERTIFICATION	
Security	WPA™-Personal	
Spectrum & Regulatory Features	Spectrum & Regulatory	



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Role: Station		Pa	age 3 of 4	
Wi-Fi Components				
Wi-Fi Component Operating System	RF Architecture			
Android, version:9.0	Bands Supported	Transmit (Tx)	Receive (Rx)	
Wi-Fi Component Firmware	2.4 GHz	2	2	
100.14.18 18.38.8.2	5 GHz	2	2	
Certifications				
2.4 GHz Spectrum Capabilities	WMM®-Power Sav	ve (continued)		
20 MHz Channel Width in 2.4 GHz	Legacy Power Save			
40 MHz Channel Width in 2.4 GHz	Unschedule auto PS			
5 GHz Spectrum Capabilities	WPA2™-Enterpris	e 2018-04		
20 MHz Channel Width in 5 GHz	EAP methods			
40 MHz Channel Width in 5 GHz 80 MHz Channel Width in 5 GHz	EAP AKA EAP AKA Prime			
	EAP ANA PHINE EAP SIM			
Protected Management Frames	EAP TLS			
	EAP TTLS PEAPv0			
Spectrum & Regulatory	PEAPv1			
802.11h				
	WPA2™-Personal	2018-04		
Voice-Enterprise	WPA3™-Enterpris	e 2018-04		
WMM®	EAP methods			
WMM®-Admission Control	EAP AKA EAP AKA Prime			
	EAP SIM			
WMM®-Power Save	EAP TLS			



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WPA3™-Enterprise 2018-04 (continued)	Wi-Fi CERTIFIED™ n
EAP TTLS	A-MPDU Tx
PEAPv0	OBSS on Extension Channel
PEAPv1	Short Guard Interval
WPA3™-Personal 2019-08	Wi-Fi Direct®
WPA™-Enterprise	Wi-Fi Optimized Connectivity™ 2018
WPA™-Personal	
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 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	

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