



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: WFA71705

Product Info

| | |
|------------------------------|-----------------------------------------------------------------------|
| Date of Certification | April 28, 2017 |
| Company | Cisco Systems |
| Product Name | Cisco 5508 WLAN Controller and Cisco AP1542 AP |
| Product Model Variant | 2017-04-28 (WFA71705 - 5707352) |
| Model Number | AIR-CT5508-K9 and AIR-AP1542 |
| Category | Routers |
| Sub-category | Enterprise/Service Provider Access Point, Switch/Controller or Router |

Summary of Certifications

| CLASSIFICATION | CERTIFICATION |
|-------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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 |
| Optimization | WMM® WMM®-Power Save |
| Security | Protected Management Frames WPA2™-Enterprise WPA2™-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

Proprietary / Other, version:8.4.1.180,
description:AireOS (controller) + Linux (AP)

Wi-Fi Component Firmware

8.4.1.180

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

Protected Management Frames

Spectrum & Regulatory

802.11d
802.11h

WMM®

WMM®-Power Save

Legacy Power Save
Unschedule auto PS

WPA2™-Enterprise

EAP methods

WPA2™-Personal

Wi-Fi CERTIFIED™ a

Wi-Fi CERTIFIED™ ac

A-MPDU with A-MSDU
DL MU-MIMO
LDPC Rx
LDPC Tx
MCS 8-9 Rx
Short Guard Interval
STBC
SU beamformer

Wi-Fi CERTIFIED™ b

Wi-Fi CERTIFIED™ g

Wi-Fi CERTIFIED™ n



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Wi-Fi CERTIFIED™ n (continued)

OBSS on Extension Channel
RIFS
Short Guard Interval
STBC
A-MPDU Tx