Load Balancing Test

2021-03-17-10:56:35

Test Setup Information		
Device Under Test	AP Name	WAC540
	SSID	loadbalance
	Test Duration	2:36:31

Objective

The LOAD BALANCING Test is designed to test the Performance of the Netgear Access Point.The goal of this test is to make sure that the AP is able to successfully admit or not admit clients based on certain user set thresholds as RSSI Threshold, Channel Utilization Threshold and Max Client Threshold

Summary Table

This table shows you the summary result of load balancing test as PASS or FAIL results

Summary Table			
	RSSI Threshold	**Channel Utilization Threshold**	**Client Count Threshold**
2.4Ghz Radio	PASS	FAIL	PASS
5Ghz LOW Radio	PASS	FAIL	PASS
5Ghz HIGH Radio	PASS	FAIL	FAIL

Channel Utilization

The Channel Utilization Test table provides you information regarding set threshold , measured channel utiliszation from the AP which is used to decide the PASS/ FAIL criteria, if the measured utilization is equal or within the range of 5% increase or 5% decrease of the threshold value then it's a PASS criteria else FAIL criteria.

Channel Utilization Table			
	2.4 GHZ	**5GHZ LOW**	**5GHZ HIGH**
Set Threshold Value	90	80	90
Measured Value	70	64	82

Max Client Connect

The max client connect Test table provides you information regarding set threshold , measured max client value from the AP which can be used to decide the PASS/ FAIL criteria, if the measured max client value is equal to threshold value it's a PASS criteria else FAIL criteria.

Max Client Connect Table			
	2.4 GHZ	**5GHZ LOW**	**5GHZ HIGH**
Set Threshold Value	20	30	35
Measured Value	20	30	32

RSSI

The RSSI Test table provides you information regarding set threshold , measured rssi value from the AP which can be used to decide the PASS/ FAIL criteria, if the measured rssi value is within the range of 1dbm increase or 1dbm decrease of the threshold valueor is equal to threshold value it's a PASS criteria else FAIL criteria.

RSSI Table			
	2.4 GHZ	**5GHZ LOW**	**5GHZ HIGH**
Set Threshold Value	18	10	10
Measured Value	19	9	9