ThinkPalm

Broadband Forum

# TR-398

# Issue 3

## WiFi performance test report



Device Under Test

**DUT**

Report Date

thinkpalm.com

# TR-398 Issue 3

## WiFi Performance Test Plan

Tue Feb 03 12:29:54 IST 2026

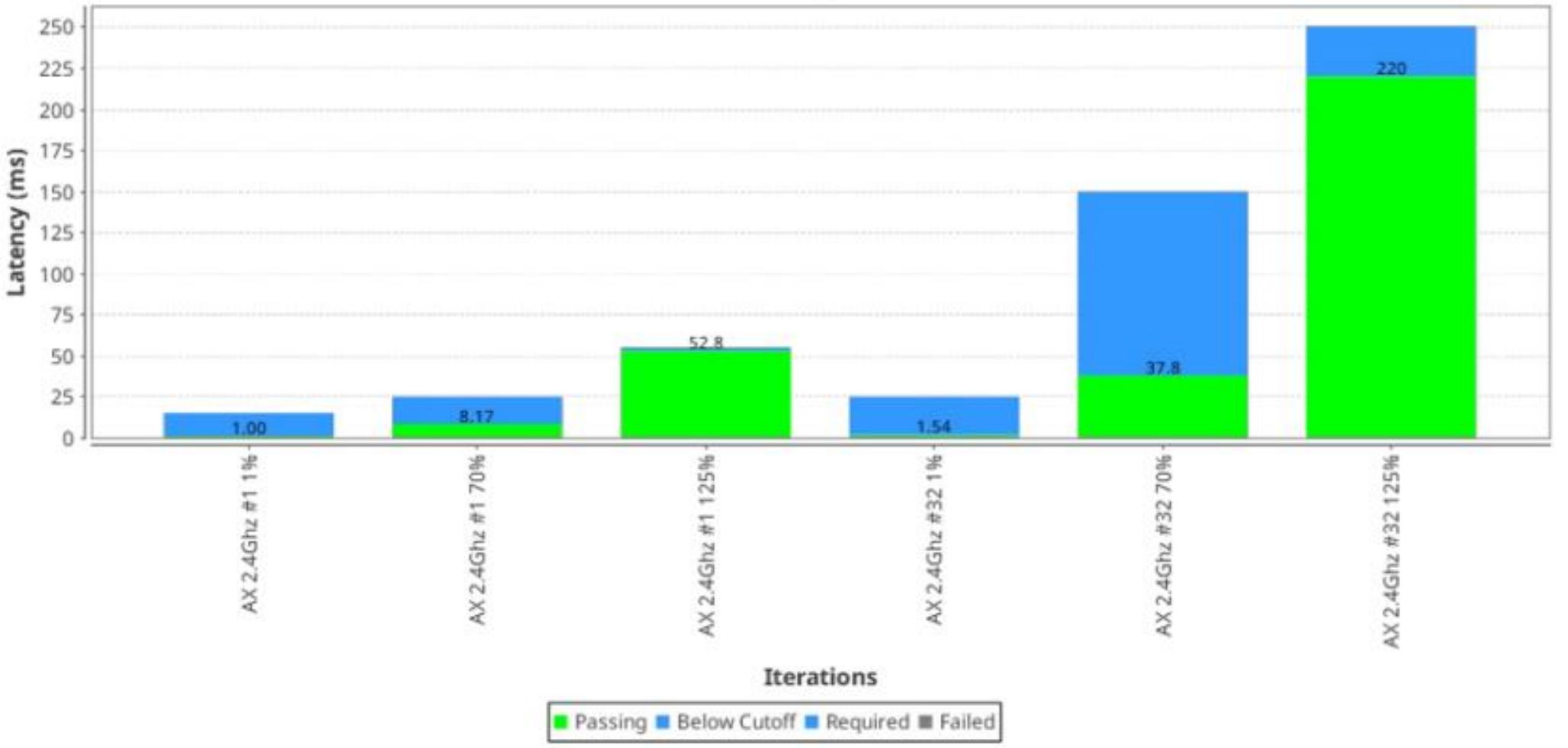
Candela TECHNOLOGIES

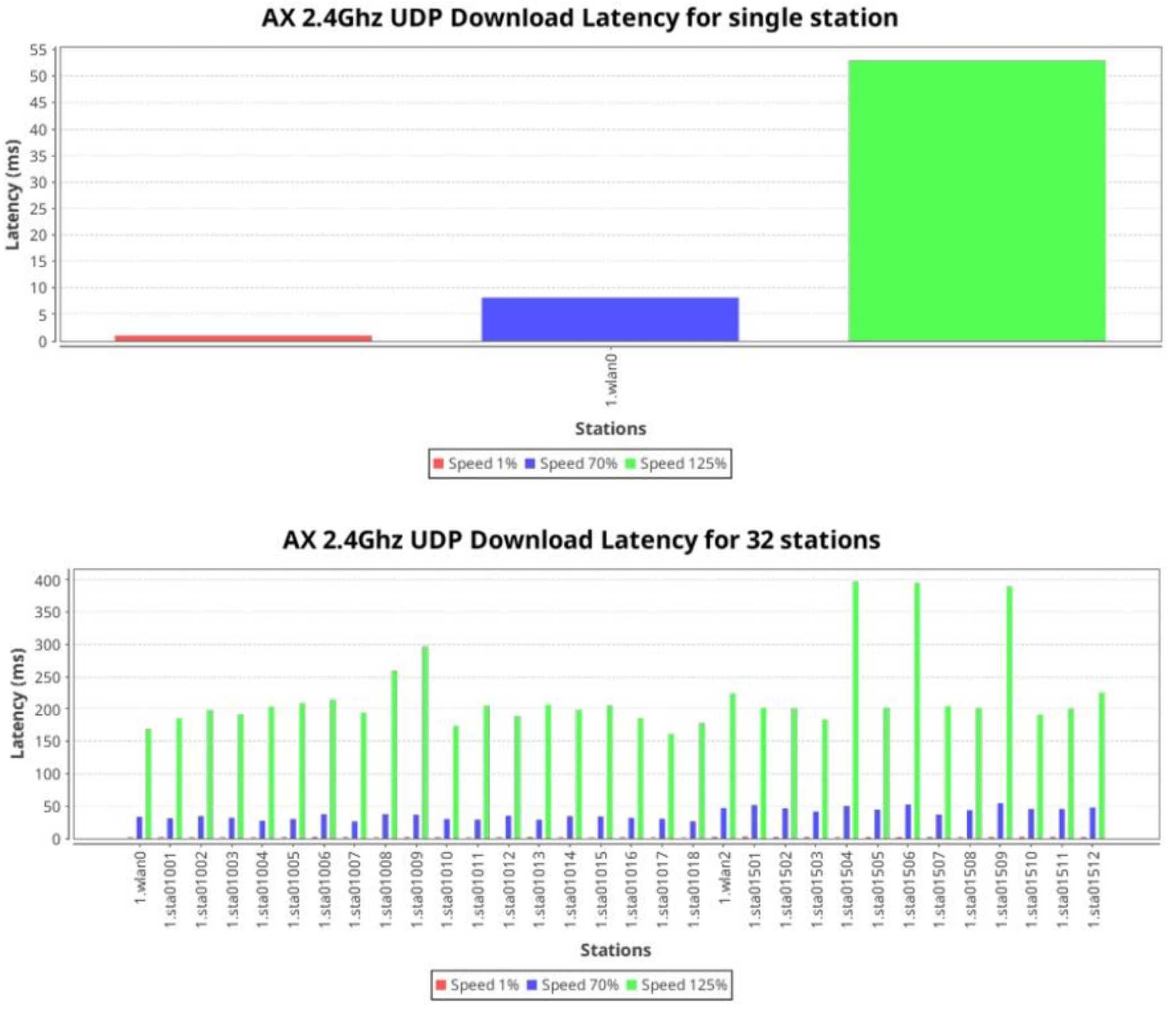
| Test Setup Information | | |
|---|---|---|
| Device Under Test | Name | DUT |
| | SSIDs | SSID_24G SSID_5G |
| | Passwords | 12345678 12345678 |
| | BSSIDs | |
| | Notes | [BLANK] |
| Estimated Run Time | 24 m | |
| Actual Run Time | 14.502 m | |

## Summary Results

| Test | Result | Candela Score | Elapsed | Info |
|---|---|---|---|---|
| 6.2.6 Latency Test | 2.4Ghz PASS | 97 | 14.423 m | Total CX Passing Throughput: 99 / 99 100%<br>Total CX Passing Latency: 94 / 99 94.949%<br>CX Passing Latency AX 2.4Ghz: 94 / 99 94.949% |

### 6.2.6 Latency Test




AX 2.4Ghz UDP Download Latency for single station
Latency (ms)
55
50
45
40
35
30
25
20
15
10
5
0
1.wlan0
Stations
Speed 1%
Speed 70%
Speed 125%
AX 2.4Ghz UDP Download Latency for 32 stations
Latency (ms)
400
350
300
250
200
150
100
50
0
1.wlan0
1.sta01001
1.sta01002
1.sta01003
1.sta01004
1.sta01005
1.sta01006
1.sta01007
1.sta01008
1.sta01009
1.sta01010
1.sta01011
1.sta01012
1.sta01013
1.sta01014
1.sta01015
1.sta01016
1.sta01017
1.sta01018
1.wlan2
1.sta01501
1.sta01502
1.sta01503
1.sta01504
1.sta01505
1.sta01506
1.sta01507
1.sta01508
1.sta01509
1.sta01510
1.sta01511
1.sta01512
Stations
Speed 1%
Speed 70%
Speed 125%
Realtime Throughput for: 6.2.6 Latency Test
RX (Mbps)
225
200
175
150
125
100
75
50
25
0
12:15
12:16
12:17
12:18
12:19
12:20
12:21
12:22
12:23
12:24
12:25
12:26
12:27
12:28
Date
Total Upload
Total Download
UL + DL Sum

# TR-398 Issue 3

## WiFi Performance Test Plan

Thu Dec 18 12:52:35 IST 2025

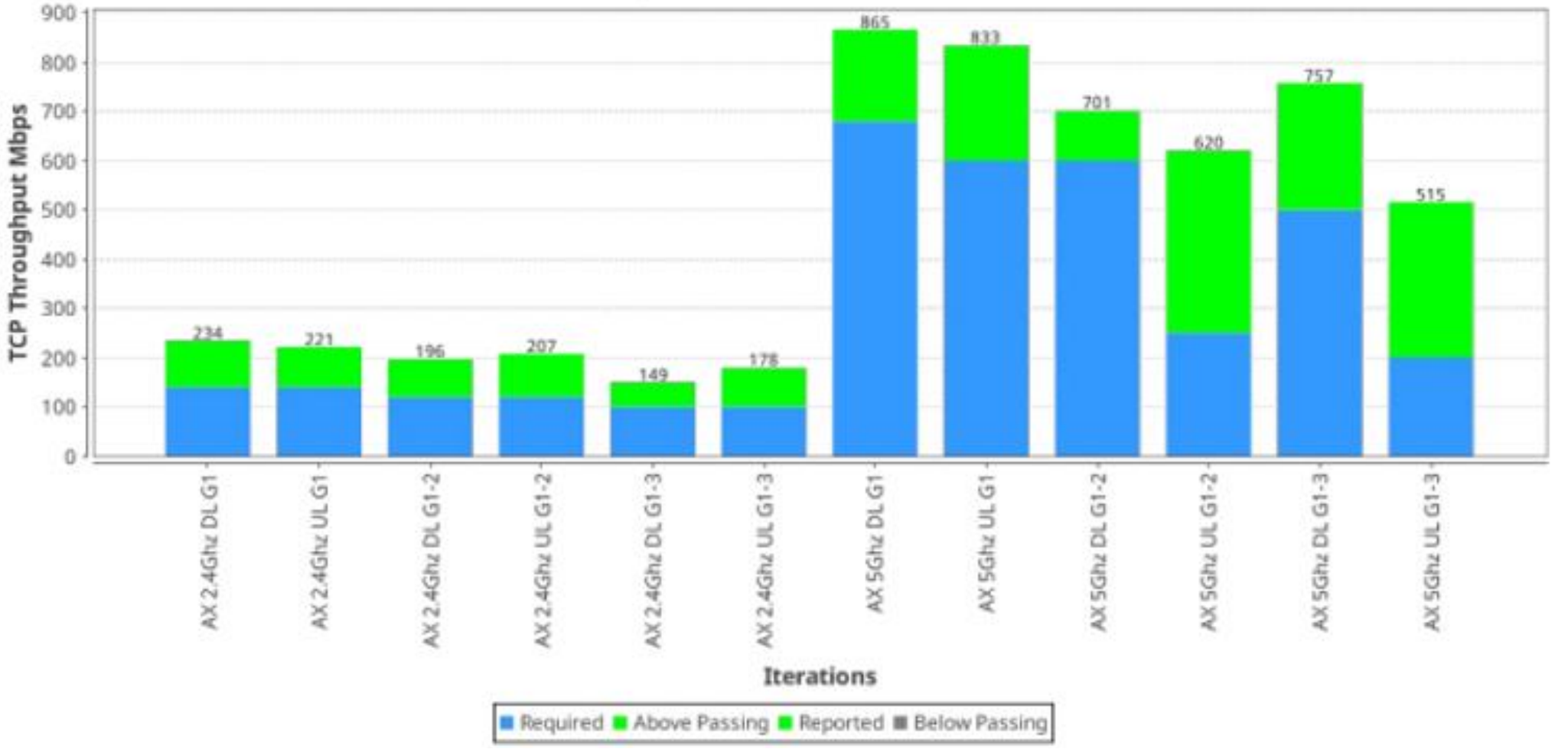
Candela TECHNOLOGIES

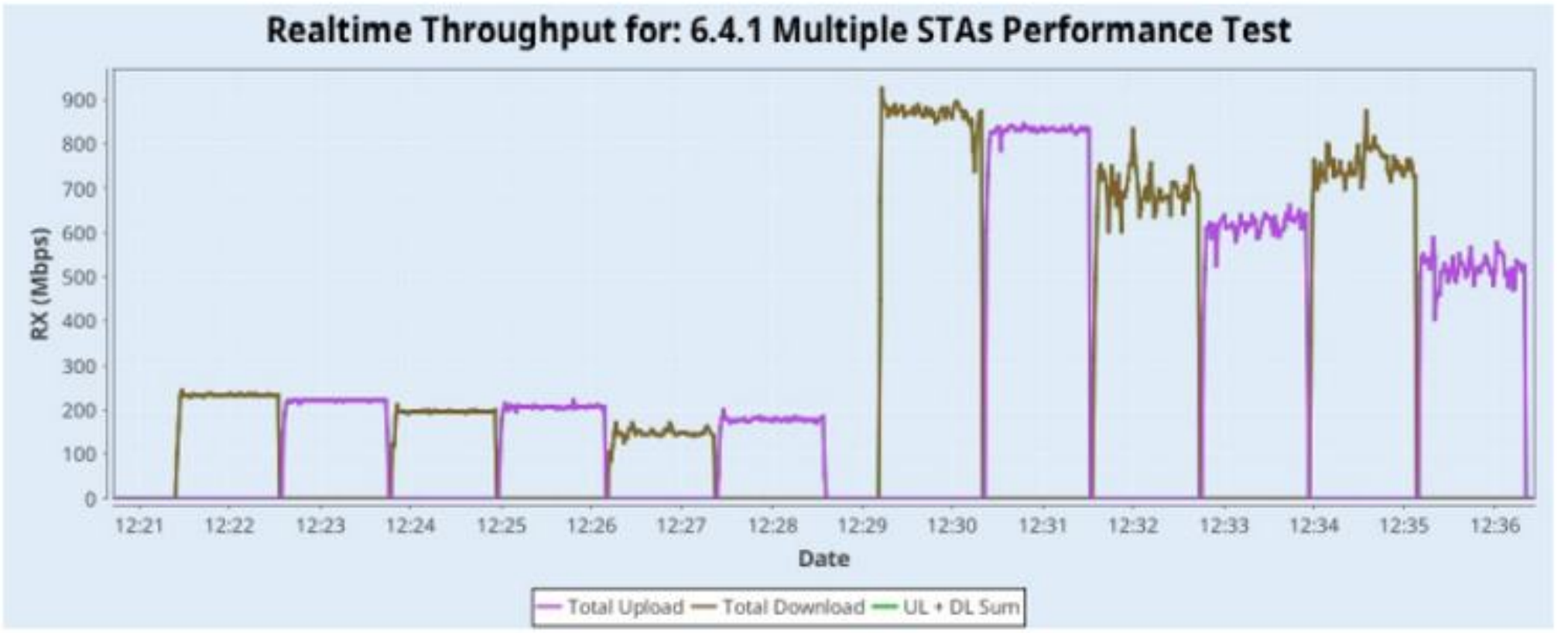
| Test Setup Information | | |
|---|---|---|
| Device Under Test | Name | DUT |
| | SSIDs | SSID_24G SSID_5G |
| | Passwords | 12345678 12345678 |
| | BSSIDs | |
| | Notes | [BLANK] |
| Estimated Run Time | 38 m | |
| Actual Run Time | 15.761 m | |

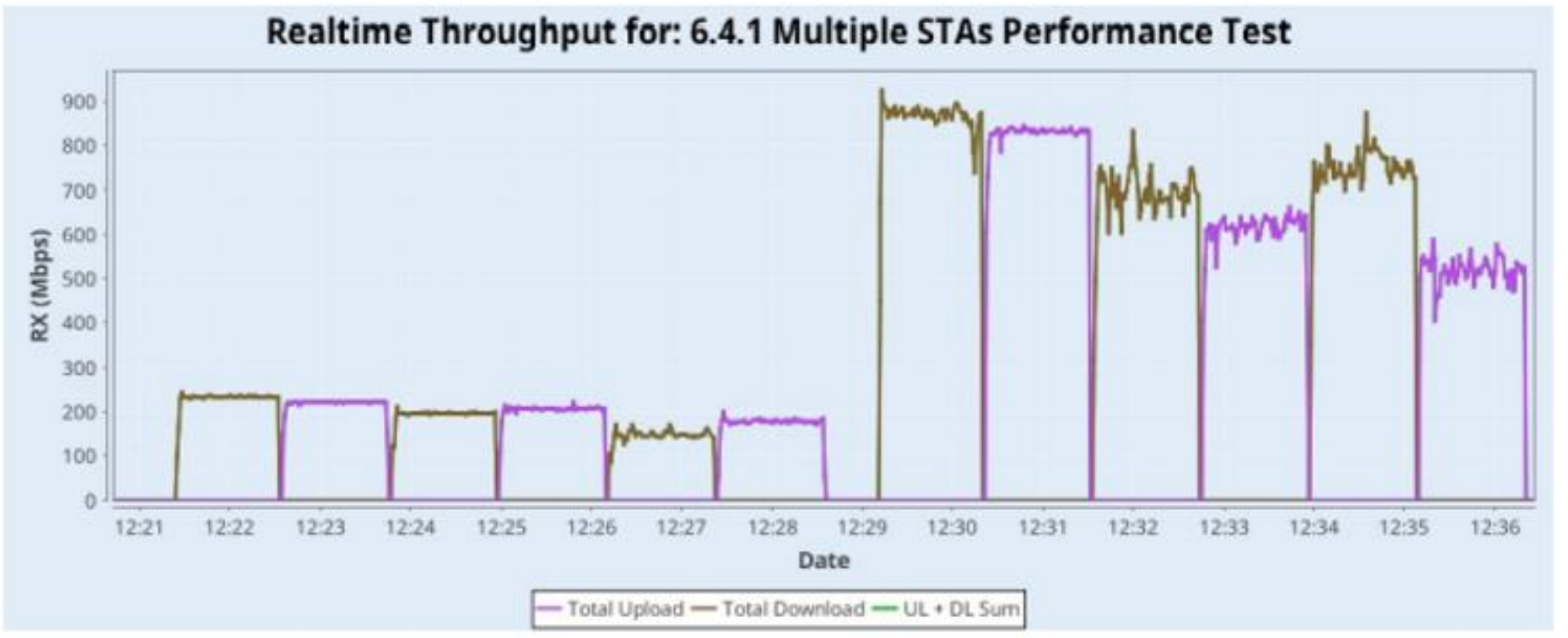
## Summary Results

| Test | Result | Candela Score | Elapsed | Info |
|---|---|---|---|---|
| 6.4.1 Multiple STAs Performance Test | 2.4Ghz PASS<br>5Ghz PASS | 100 | 15.691 m | AX 2.4Ghz Passed 6 / 6<br>AX 5Ghz Passed 6 / 6 |

### 6.4.1 Multiple STAs Performance Test




Realtime Throughput for: 6.4.1 Multiple STAs Performance Test
RX (Mbps)
900
800
700
600
500
400
300
200
100
0
12:21
12:22
12:23
12:24
12:25
12:26
12:27
12:28
12:29
12:30
12:31
12:32
12:33
12:34
12:35
12:36
Date
Total Upload
Total Download
UL + DL Sum


Realtime Throughput for: 6.4.1 Multiple STAs Performance Test
RX (Mbps)
900
800
700
600
500
400
300
200
100
0
12:21
12:22
12:23
12:24
12:25
12:26
12:27
12:28
12:29
12:30
12:31
12:32
12:33
12:34
12:35
12:36
Date
Total Upload
Total Download
UL + DL Sum

# TR-398 Issue 3

## WiFi Performance Test Plan

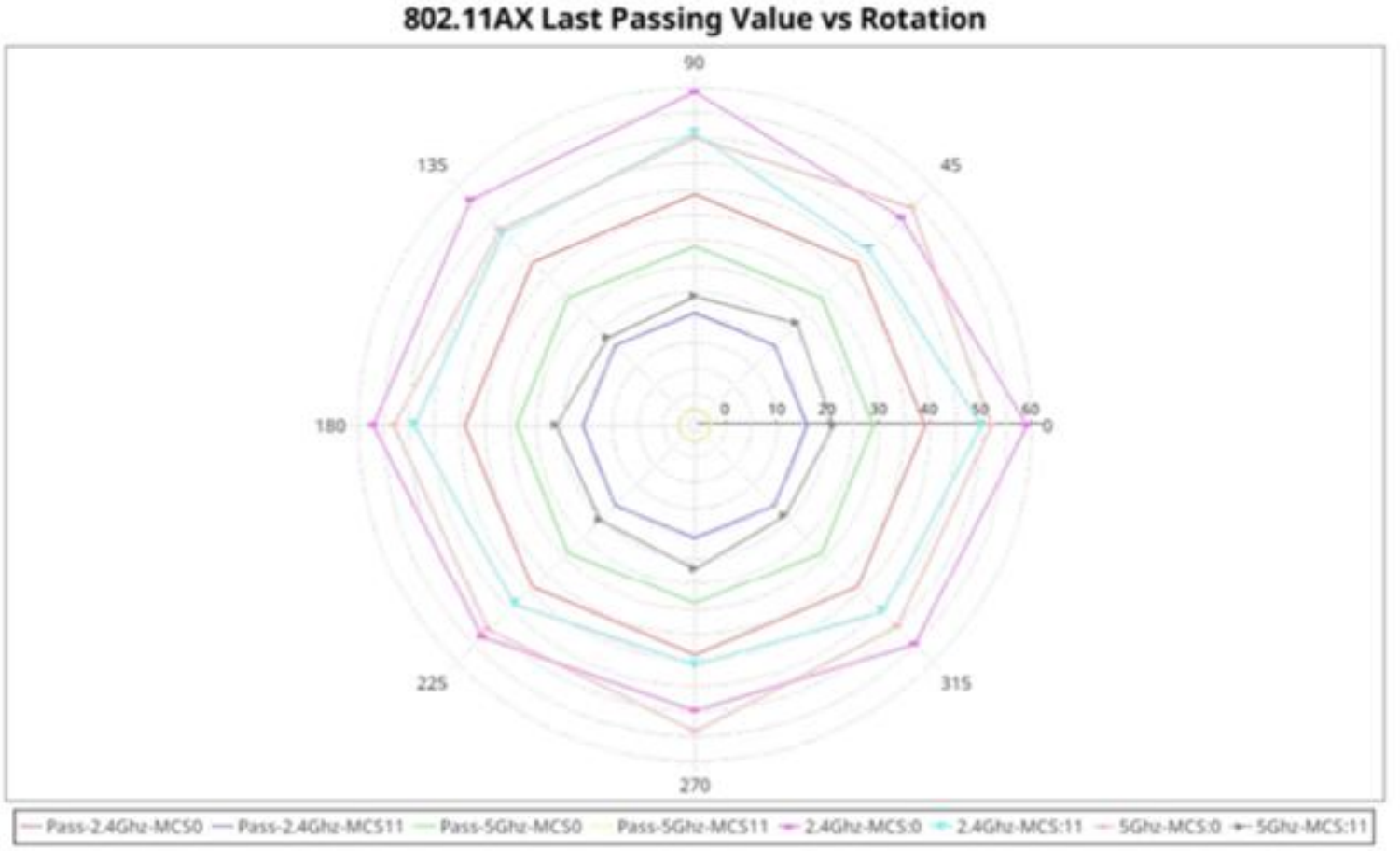
Mon Dec 22 10:39:46 IST 2025

Candela TECHNOLOGIES

| Test Setup Information | | |
|---|---|---|
| Device Under Test | Name | DUT |
| | SSIDs | SSID_24G SSID_5G |
| | Passwords | 12345678 12345678 |
| | BSSIDs | |
| | Notes | [BLANK] |
| Estimated Run Time | 4 h | |
| Actual Run Time | 7.88 h | |

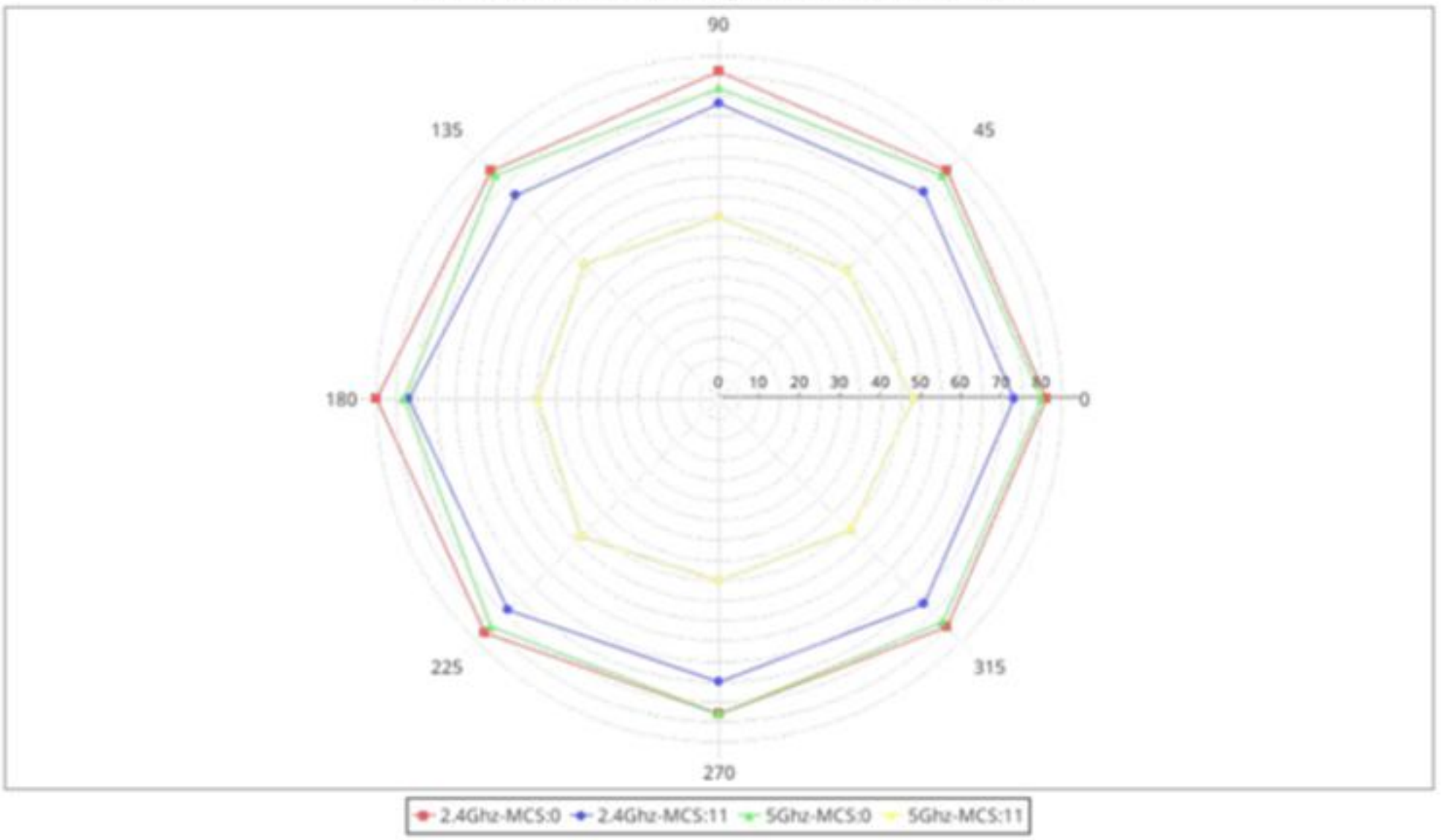
## Summary Results

| Test | Result | Candela Score | Elapsed | Info |
|---|---|---|---|---|
| 6.1.1 Receiver Sensitivity Test | 2.4Ghz PASS 5Ghz PASS | 100 | 7.87 h | AX 2.4Ghz passed 16.0 / 16.0 Pass-Avg: 23.1<br>AX 2.4Ghz Failed-by-steps: 0.0 Passed-by-steps: 370.0<br>AX 5Ghz passed 16.0 / 16.0 Pass-Avg: 22.9<br>AX 5Ghz Failed-by-steps: 0.0 Passed-by-steps: 366.0 |




**802.11AX Last Passing Attenuator Value for each Rotation tested. Larger is better.**

802.11AX Last Passing RSSI (with sign flipped to make it positive) Value for each Rotation tested. Smaller RSSI (larger graphed value) is better.




Realtime Throughput for: 6.1.1 Receiver Sensitivity Test

