



TR398I2 TEST REPORT

VENDOR NAME
COMPANY NAME
VENDOR@EMAIL.COM

DEVICE AND TEST PLAN INFORMATION	
Device Under Test (DUT)	Device Name
Test Specification/Suite	TR398i2, Version Test Script 1.93,
UNH-IOL Test ID	555555
This testing pertains to a set of standard requirements, put forth in TR-398 Issue 2 Corrigendum 1.	

CONTACT INFORMATION		
Testing Completed by	Tester Name	tester@iol.unh.edu
Report Created by	Initial Reviewer	initialreviewer@iol.unh.edu
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SUMMARY OF RESULTS

The following table contains a summary of results other than PASS. The definition of result types can be found in the [Result Key](#).

TEST NUMBER & LABEL	RESULTS
6.2.5.2 - 802.11ac Bidirectional Throughput Test; 6.2.5.4 - 802.11ax 5GHz Bidirectional Throughput Test: Failed 1 out of 1 metrics. Failed the following: - All points must not exceed the required packet error rate.	FAIL
6.4.1.2 - 802.11ac Multiple STAs Performance Test: Failed 1 out of 1 metrics. Failed the following: - Throughput sums must reach their required throughput value for all points.	FAIL

TESTING NOTES

NOTES
Testing notes here.



REVISION HISTORY

The following table contains a revision history for this report.

REVISION	DATE	AUTHOR	EXPLANATION
1.0	2021-10-14 12:42:16	Report Author	Initial Report.

DEVICE UNDER TEST AND INITIALIZATION INFORMATION

The following table contains the state of the DUT during testing.

COMPONENT	DESCRIPTION
NAME	Device Name
IOL ID	N/A
MODEL	Device Model
MAKE	Device Make
SERIAL NUMBER	Device Serial Number
FIRMWARE VERSION	Device Firmware Version



TEST TOOL AND ENVIRONMENT INFORMATION

The following table contains the test tool and test suite versions used during testing.

TOOL	Version
Test Tool	Test Sentinel-REL:2.1.0.10158 Build:af1f7187c IR



TESTBED DEVICES

The following tables contain devices from the UNH-IOL testbed used during testing.

quadAtten	
TYPE	WIRELESS_ATTENUATOR
IOL ID	26190
MODEL	quadAtten
MAKE	octoScope, Inc.
SERIAL NUMBER	QA-90613-12
FIRMWARE VERSION	3.2.25

MPE	
TYPE	WIRELESS_ATTENUATOR
IOL ID	26157
MODEL	MPE
MAKE	octoScope, Inc.
FIRMWARE VERSION	3.2.22
SERIAL NUMBER	MPE270422-02

quadAtten	
TYPE	WIRELESS_ATTENUATOR
IOL ID	27808
MODEL	quadAtten
MAKE	octoScope, Inc.



quadAtten	
TYPE	WIRELESS_ATTENUATOR
IOL ID	26155
MODEL	quadAtten
MAKE	octoScope, Inc.
SERIAL NUMBER	QA70717-36
FIRMWARE VERSION	3.2.22

quadAtten	
TYPE	WIRELESS_ATTENUATOR
IOL ID	26156
MODEL	quadAtten
MAKE	octoScope, Inc.

Turntable	
TYPE	WIRELESS_TURNTABLE
IOL ID	26158
MODEL	Turntable
MAKE	octoScope, Inc.
SERIAL NUMBER	TT70126-14
FIRMWARE VERSION	3.2.25



Pal-6	
TYPE	WIRELESS_SE
IOL ID	26189
MODEL	Pal-6
MAKE	octoScope, Inc.
SERIAL NUMBER	PAL6-91220-80

Pal-6	
TYPE	WIRELESS_SE
IOL ID	26188
MODEL	Pal-6
MAKE	octoScope, Inc.
SERIAL NUMBER	PAL6-91220-92

Pal-6	
TYPE	WIRELESS_SE
IOL ID	27815
MODEL	Pal-6
MAKE	octoScope, Inc.
SERIAL NUMBER	PAL6-01218-01

STAPal	
TYPE	WIRELESS_SE
IOL ID	27816
MODEL	STAPal
MAKE	octoScope, Inc.
SERIAL NUMBER	spal-10121-01



RESULTS

The following table contains all results from testing. Detailed test results including observed behaviors can be found in the [Detailed Test Results](#).

TEST NUMBER & LABEL	RESULTS
6.2.1.1 - 802.11n Maximum Connection Test	PASS
6.2.1.2 - 802.11ac Maximum Connection Test	PASS
6.2.1.3 - 802.11ax 2.4GHz Maximum Connection Test	PASS
6.2.1.4 - 802.11ax 5GHz Maximum Connection Test	PASS
6.2.2.1 - 802.11n Maximum Throughput Test	PASS
6.2.2.2 - 802.11ac Maximum Throughput Test	PASS
6.2.2.3 - 802.11ax 2.4GHz Maximum Throughput Test	PASS
6.2.2.4 - 802.11ax 5GHz Maximum Throughput Test	PASS
6.2.3.1 - 802.11n Airtime Fairness Test	PASS
6.2.3.2 - 802.11ac Airtime Fairness Test	PASS
6.2.3.3 - 802.11ax 2.4GHz Airtime Fairness Test	PASS
6.2.3.4 - 802.11ax 5GHz Airtime Fairness Test	PASS
6.2.4.1 - 802.11n/ac Dual-Band Throughput Test	PASS
6.2.4.2 - 802.11ax Dual-Band Throughput Test	PASS
6.2.5.1 - 802.11n Bidirectional Throughput Test	PASS
6.2.5.2 - 802.11ac Bidirectional Throughput Test	FAIL
6.2.5.3 - 802.11ax 2.4GHz Bidirectional Throughput Test	PASS
6.2.5.4 - 802.11ax 5GHz Bidirectional Throughput Test	FAIL
6.3.1.1 - 802.11n Range Versus Rate Test	PASS
6.3.1.2 - 802.11ac Range Versus Rate Test	PASS
6.3.1.3 - 802.11ax 2.4GHz Range Versus Rate Test	PASS
6.3.1.4 - 802.11ax 5GHz Range Versus Rate Test	PASS
6.3.2.1 - 802.11n Spatial Consistency Test	PASS



6.3.2.2 - 802.11ac Spatial Consistency Test	PASS
6.3.2.3 - 802.11ax 2.4GHz Spatial Consistency Test	PASS
6.3.2.4 - 802.11ax 5GHz Spatial Consistency Test	PASS
6.3.3.1 - 802.11ax 2.4GHz Peak Performance Test (40MHz / 2SS)	PASS
6.4.1.1 - 802.11n Multiple STAs Performance Test	PASS
6.4.1.2 - 802.11ac Multiple STAs Performance Test	FAIL
6.4.1.3 - 802.11ax 2.4GHz Multiple STAs Performance Test	PASS
6.4.1.4 - 802.11ax 5GHz Multiple STAs Performance Test	PASS
6.4.2.1 - 802.11n Multiple Association/Disassociation Stability Test	PASS
6.4.2.2 - 802.11ac Multiple Association/Disassociation Stability Test	PASS
6.4.2.3 - 802.11ax 2.4GHz Multiple Association/Disassociation Stability Test	PASS
6.4.2.4 - 802.11ax 5GHz Multiple Association/Disassociation Stability Test	PASS
6.4.3.1 - 802.11ac Downlink MU-MIMO Performance Test	PASS
6.4.3.3 - 802.11ax 5GHz Downlink MU-MIMO Performance Test	PASS
6.5.1.1 - 802.11n/ac Long Term Stability Test	PASS
6.5.1.2 - 802.11ax Long Term Stability Test	PASS
6.5.2.1 - 802.11n AP Coexistence Test	PASS
6.5.2.2 - 802.11ac AP Coexistence Test	PASS
6.5.2.3 - 802.11ax 2.4GHz AP Coexistence Test	PASS
6.5.2.4 - 802.11ax 5GHz AP Coexistence Test	PASS



DETAILED TEST RESULTS

6.2.1.1 - 802.11n Maximum Connection Test	PARTS	RESULTS
		PASS

Station Number	Packet Error Rate (dec)		Throughput (Mbps)		RSSI	
	Downlink	Uplink	Downlink	Uplink	Downlink	Uplink
0	0.0000	0.0000	2.0000	2.0000	-24.242	-21.017
1	0.0000	0.0000	2.0000	2.0000	-24.242	-21.017
2	0.0000	0.0000	2.0000	2.0000	-24.242	-21.017
3	0.0000	0.0000	2.0010	2.0000	-24.242	-21.017
4	0.0000	0.0000	2.0000	2.0000	-24.242	-21.017
5	0.0000	0.0000	2.0010	2.0000	-24.242	-21.017
6	0.0000	0.0000	2.0010	2.0000	-24.242	-21.017
7	0.0000	0.0000	2.0010	2.0000	-24.242	-21.017
8	0.0000	0.0000	2.0010	2.0000	-24.242	-21.017
9	0.0000	0.0000	2.0000	2.0000	-24.242	-21.017
10	0.0000	0.0000	2.0010	2.0000	-24.242	-21.017
11	0.0000	0.0000	2.0010	2.0000	-24.242	-21.017
12	0.0000	0.0000	2.0000	2.0000	-24.242	-21.017
13	0.0000	0.0000	2.0010	2.0000	-24.242	-21.017
14	0.0000	0.0000	2.0000	2.0000	-24.242	-21.017
15	0.0000	0.0000	2.0010	2.0000	-24.242	-21.017
16	0.0000	0.0000	2.0010	2.0000	-24.242	-21.017
17	0.0000	0.0000	2.0010	2.0000	-24.242	-21.017
18	0.0000	0.0000	2.0010	2.0010	-24.242	-21.017
19	0.0000	0.0000	2.0010	2.0000	-24.242	-21.017
20	0.0000	0.0000	2.0000	2.0000	-24.242	-21.017



21	0.0000	0.0000	2.0010	2.0000	-24.242	-21.017
22	0.0000	0.0000	2.0000	2.0000	-24.242	-21.017
23	0.0000	0.0000	2.0000	2.0000	-24.242	-21.017
24	0.0000	0.0000	2.0010	2.0000	-24.242	-21.017
25	0.0000	0.0000	2.0000	2.0000	-24.242	-21.017
26	0.0000	0.0000	2.0010	2.0000	-24.242	-21.017
27	0.0000	0.0000	2.0000	2.0000	-24.242	-21.017
28	0.0000	0.0000	2.0000	2.0000	-24.242	-21.017
29	0.0000	0.0000	1.9840	2.0000	-24.242	-21.017
30	0.0000	0.0000	1.9840	2.0000	-24.242	-21.017
31	0.0000	0.0000	1.9840	2.0000	-24.242	-21.017
Sum	NA	NA	63.9680	64.0010	NA	NA

Summary		
PER of all STA must be less than 1%.	Reported: 0 failed	Pass
Downlink summed throughput of all STA must reach at least 63.36 Mbps.	Reported: 63.968 Mbps	Pass
Uplink summed throughput of all STA must reach at least 63.36 Mbps.	Reported: 64.001 Mbps	Pass



6.2.1.2 - 802.11ac Maximum Connection Test	PARTS	RESULTS
		PASS

Station Number	Packet Error Rate (dec)		Throughput (Mbps)		RSSI	
	Downlink	Uplink	Downlink	Uplink	Downlink	Uplink
0	0.0000	0.0000	8.0030	8.0000	-38.592	-29
1	0.0000	0.0000	8.0030	8.0000	-38.592	-29
2	0.0000	0.0000	8.0030	8.0010	-38.592	-29
3	0.0000	0.0000	8.0030	8.0010	-38.592	-29
4	0.0000	0.0000	8.0030	8.0000	-38.592	-29
5	0.0000	0.0000	8.0040	8.0010	-38.592	-29
6	0.0000	0.0000	8.0040	8.0010	-38.592	-29
7	0.0000	0.0000	8.0030	8.0000	-38.592	-29
8	0.0000	0.0000	8.0030	8.0020	-38.592	-29
9	0.0000	0.0000	8.0040	8.0010	-38.592	-29
10	0.0000	0.0000	8.0030	8.0000	-38.592	-29
11	0.0000	0.0000	8.0030	8.0010	-38.592	-29
12	0.0000	0.0000	8.0030	8.0010	-38.592	-29
13	0.0000	0.0000	8.0030	8.0000	-38.592	-29
14	0.0000	0.0000	8.0030	8.0000	-38.592	-29
15	0.0000	0.0000	8.0040	8.0000	-38.592	-29
16	0.0000	0.0000	8.0030	8.0010	-38.592	-29
17	0.0000	0.0000	8.0030	8.0010	-38.592	-29
18	0.0000	0.0000	8.0040	8.0010	-38.592	-29
19	0.0000	0.0000	8.0040	8.0000	-38.592	-29
20	0.0000	0.0000	8.0030	8.0000	-38.592	-29
21	0.0000	0.0000	8.0030	8.0010	-38.592	-29
22	0.0000	0.0000	8.0040	8.0000	-38.592	-29



23	0.0000	0.0000	8.0030	8.0010	-38.592	-29
24	0.0000	0.0000	8.0030	8.0010	-38.592	-29
25	0.0000	0.0000	8.0040	8.0020	-38.592	-29
26	0.0000	0.0000	8.0040	8.0010	-38.592	-29
27	0.0000	0.0000	8.0030	8.0000	-38.592	-29
28	0.0000	0.0000	8.0040	8.0010	-38.592	-29
29	0.0000	0.0000	8.0030	8.0000	-38.592	-29
30	0.0000	0.0000	8.0040	8.0010	-38.592	-29
31	0.0000	0.0000	8.0040	8.0010	-38.592	-29
Sum	NA	NA	256.1080	256.0210	NA	NA

Summary		
PER of all STA must be less than 1%.	Reported: 0 failed	Pass
Downlink summed throughput of all STA must reach at least 253.44 Mbps.	Reported: 256.108 Mbps	Pass
Uplink summed throughput of all STA must reach at least 253.44 Mbps.	Reported: 256.021 Mbps	Pass



6.2.1.3 - 802.11ax 2.4GHz Maximum Connection Test	PARTS	RESULTS
		PASS

Station Number	Packet Error Rate (dec)		Throughput (Mbps)		RSSI	
	Downlink	Uplink	Downlink	Uplink	Downlink	Uplink
0	0.0000	0.0000	3.0000	3.0000	-24.633	-22.2
1	0.0000	0.0000	2.9990	3.0000	-24.633	-22.2
2	0.0000	0.0000	2.9990	3.0000	-24.633	-22.2
3	0.0000	0.0000	3.0000	3.0000	-24.633	-22.2
4	0.0000	0.0000	3.0000	3.0000	-24.633	-22.2
5	0.0000	0.0000	3.0010	3.0000	-24.633	-22.2
6	0.0000	0.0000	3.0000	3.0000	-24.633	-22.2
7	0.0000	0.0000	3.0000	3.0000	-24.633	-22.2
8	0.0000	0.0000	3.0000	3.0000	-24.633	-22.2
9	0.0000	0.0000	3.0000	3.0000	-24.633	-22.2
10	0.0000	0.0000	3.0000	3.0000	-24.633	-22.2
11	0.0000	0.0000	3.0010	3.0000	-24.633	-22.2
12	0.0000	0.0000	3.0000	3.0000	-24.633	-22.2
13	0.0000	0.0000	3.0000	3.0000	-24.633	-22.2
14	0.0000	0.0000	3.0000	3.0000	-24.633	-22.2
15	0.0000	0.0000	3.0000	3.0000	-24.633	-22.2
16	0.0000	0.0000	3.0000	3.0000	-24.633	-22.2
17	0.0000	0.0000	3.0000	3.0000	-24.633	-22.2
18	0.0000	0.0000	2.9990	3.0000	-24.633	-22.2
19	0.0000	0.0000	3.0000	3.0000	-24.633	-22.2
20	0.0000	0.0000	3.0000	3.0000	-24.633	-22.2
21	0.0000	0.0000	3.0000	3.0000	-24.633	-22.2
22	0.0000	0.0000	3.0000	3.0000	-24.633	-22.2



23	0.0000	0.0000	3.0000	3.0000	-24.633	-22.2
24	0.0000	0.0000	3.0000	3.0000	-24.633	-22.2
25	0.0000	0.0000	3.0010	3.0000	-24.633	-22.2
26	0.0000	0.0000	3.0010	3.0000	-24.633	-22.2
27	0.0000	0.0000	3.0010	3.0000	-24.633	-22.2
28	0.0000	0.0000	3.0000	3.0000	-24.633	-22.2
29	0.0000	0.0000	3.0000	3.0000	-24.633	-22.2
30	0.0000	0.0000	3.0000	3.0000	-24.633	-22.2
31	0.0000	0.0000	3.0000	3.0000	-24.633	-22.2
Sum	NA	NA	96.0020	96.0000	NA	NA

Summary		
PER of all STA must be less than 1%.	Reported: 0 failed	Pass
Downlink summed throughput of all STA must reach at least 95.04 Mbps.	Reported: 96.002 Mbps	Pass
Uplink summed throughput of all STA must reach at least 95.04 Mbps.	Reported: 96 Mbps	Pass



6.2.1.4 - 802.11ax 5GHz Maximum Connection Test	PARTS	RESULTS
		PASS

Station Number	Packet Error Rate (dec)		Throughput (Mbps)		RSSI	
	Downlink	Uplink	Downlink	Uplink	Downlink	Uplink
0	0.0000	0.0000	10.0020	10.0000	-31.258	-29
1	0.0000	0.0000	10.0040	10.0000	-31.258	-29
2	0.0000	0.0000	10.0020	10.0000	-31.258	-29
3	0.0000	0.0000	9.9190	10.0000	-31.258	-29
4	0.0000	0.0000	9.9190	10.0000	-31.258	-29
5	0.0000	0.0000	10.0030	10.0010	-31.258	-29
6	0.0000	0.0000	10.0030	10.0000	-31.258	-29
7	0.0000	0.0000	10.0030	10.0000	-31.258	-29
8	0.0000	0.0000	10.0030	10.0000	-31.258	-29
9	0.0000	0.0000	10.0040	10.0000	-31.258	-29
10	0.0000	0.0000	10.0030	9.9990	-31.258	-29
11	0.0000	0.0000	10.0030	10.0010	-31.258	-29
12	0.0000	0.0000	10.0030	10.0010	-31.258	-29
13	0.0000	0.0000	10.0020	10.0000	-31.258	-29
14	0.0000	0.0000	10.0030	9.9990	-31.258	-29
15	0.0000	0.0000	10.0030	10.0010	-31.258	-29
16	0.0000	0.0000	10.0030	9.9990	-31.258	-29
17	0.0000	0.0000	10.0040	10.0000	-31.258	-29
18	0.0000	0.0000	10.0030	10.0010	-31.258	-29
19	0.0000	0.0000	10.0030	10.0000	-31.258	-29
20	0.0000	0.0000	10.0020	10.0000	-31.258	-29
21	0.0000	0.0000	10.0030	10.0000	-31.258	-29
22	0.0000	0.0000	10.0040	9.9990	-31.258	-29



23	0.0000	0.0000	10.0040	9.9990	-31.258	-29
24	0.0000	0.0000	10.0040	10.0000	-31.258	-29
25	0.0000	0.0000	10.0020	10.0000	-31.258	-29
26	0.0000	0.0000	10.0040	10.0000	-31.258	-29
27	0.0000	0.0000	10.0020	10.0010	-31.258	-29
28	0.0000	0.0000	10.0020	10.0000	-31.258	-29
29	0.0000	0.0000	10.0020	10.0000	-31.258	-29
30	0.0000	0.0000	10.0030	10.0010	-31.258	-29
31	0.0000	0.0000	10.0020	10.0010	-31.258	-29
Sum	NA	NA	319.9260	320.0030	NA	NA

Summary		
PER of all STA must be less than 1%.	Reported: 0 failed	Pass
Downlink summed throughput of all STA must reach at least 316.8 Mbps.	Reported: 319.926 Mbps	Pass
Uplink summed throughput of all STA must reach at least 316.8 Mbps.	Reported: 320.003 Mbps	Pass



6.2.2.1 - 802.11n Maximum Throughput Test	PARTS	RESULTS
		PASS

Throughput (Mbps)				RSSI	
Required DL	Observed DL	Required UL	Observed UL	Downlink	Uplink
100	111.8670	100	114.4530	-19.333	-19.9

Summary		
Downlink throughput must reach at least 100 Mbps.	Reported: 111.867 Mbps	Pass
Uplink throughput must reach at least 100 Mbps.	Reported: 114.453 Mbps	Pass



6.2.2.2 - 802.11ac Maximum Throughput Test	PARTS	RESULTS
		PASS

Throughput (Mbps)				RSSI	
Required DL	Observed DL	Required UL	Observed UL	Downlink	Uplink
560	876.9730	560	718.0820	-37.325	-37.033

Summary		
Downlink throughput must reach at least 560 Mbps.	Reported: 876.973 Mbps	Pass
Uplink throughput must reach at least 560 Mbps.	Reported: 718.082 Mbps	Pass



6.2.2.3 - 802.11ax 2.4GHz Maximum Throughput Test	PARTS	RESULTS
		PASS

Throughput (Mbps)				RSSI	
Required DL	Observed DL	Required UL	Observed UL	Downlink	Uplink
200	216.7670	200	222.3850	-19.45	-19.933

Summary		
Downlink throughput must reach at least 200 Mbps.	Reported: 216.767 Mbps	Pass
Uplink throughput must reach at least 200 Mbps.	Reported: 222.385 Mbps	Pass



6.2.2.4 - 802.11ax 5GHz Maximum Throughput Test	PARTS	RESULTS
		PASS

Throughput (Mbps)				RSSI	
Required DL	Observed DL	Required UL	Observed UL	Downlink	Uplink
720	940.0410	720	928.2130	-37.233	-36.908

Summary		
Downlink throughput must reach at least 720 Mbps.	Reported: 940.041 Mbps	Pass
Uplink throughput must reach at least 720 Mbps.	Reported: 928.213 Mbps	Pass



6.2.3.1 - 802.11n Airtime Fairness Test	PARTS	RESULTS
		PASS

Qualifying Measurements (Mbps)		
Station 1	Short	112.673
Station 2	Short	110.252
	Medium	112.31
Station 3	Legacy	17.308

Measurement			Throughput (Mbps)		Packet Error Rate	RSSI
			Target	Measured		
Throughput 1	Station 1	Short	45.0692	45.064	0.0000	-19
	Station 2	Short	44.1008	44.099	0.0000	-20
Throughput 2	Station 1	Short	45.0692	45.069	0.0000	-19.033
	Station 2	Medium	44.924	44.545	0.0000	-55.992
Throughput 3	Station 1	Short	45.0692	45.071	0.0000	-19.025
	Station 3	Legacy	6.9232	6.923	0.0001	-20.992



Throughput Sums		
Measurement	Throughput (Mbps)	
	Required	Observed
Throughput 1	80	89.1630
Throughput 2	80	89.6090
Throughput 3	48	51.9870

Summary		
Throughput 1 Station 1 PER must be ≤ 0.0001 .	Reported: 0	Pass
Throughput 1 Station 2 PER must be ≤ 0.0001 .	Reported: 0	Pass
Throughput 2 Station 1 PER must be ≤ 0.0001 .	Reported: 0	Pass
Throughput 2 Station 2 PER must be ≤ 0.0001 .	Reported: 0	Pass
Throughput 3 Station 1 PER must be ≤ 0.0001 .	Reported: 0	Pass
Throughput 3 Station 3 PER must be ≤ 0.0001 .	Reported: 8.37287515242508E-05	Pass
The sum of Throughput 1 must be at least 80.	Reported: 89.163	Pass
The sum of Throughput 2 must be at least 80.	Reported: 89.609	Pass
The sum of Throughput 3 must be at least 48.	Reported: 51.987	Pass



6.2.3.2 - 802.11ac Airtime Fairness Test	PARTS	RESULTS
		PASS

Qualifying Measurements (Mbps)		
Station 1	Short	878.749
Station 2	Short	794.215
	Medium	691.913
Station 3	Legacy	23.063

Measurement			Throughput (Mbps)		Packet Error Rate	RSSI
			Target	Measured		
Throughput 1	Station 1	Short	351.4996	351.505	0.0000	-27.008
	Station 2	Short	317.686	317.686	0.0000	-28
Throughput 2	Station 1	Short	351.4996	351.503	0.0000	-26.983
	Station 2	Medium	276.7652	276.764	0.0000	-53.933
Throughput 3	Station 1	Short	351.4996	351.5	0.0000	-27.117
	Station 3	Legacy	9.2252	9.225	0.0000	-28.017



Throughput Sums		
Measurement	Throughput (Mbps)	
	Required	Observed
Throughput 1	500	669.1910
Throughput 2	470	628.2690
Throughput 3	260	360.7300

Summary		
Throughput 1 Station 1 PER must be ≤ 0.0001 .	Reported: 0	Pass
Throughput 1 Station 2 PER must be ≤ 0.0001 .	Reported: 0	Pass
Throughput 2 Station 1 PER must be ≤ 0.0001 .	Reported: 0	Pass
Throughput 2 Station 2 PER must be ≤ 0.0001 .	Reported: 0	Pass
Throughput 3 Station 1 PER must be ≤ 0.0001 .	Reported: 0	Pass
Throughput 3 Station 3 PER must be ≤ 0.0001 .	Reported: 4.1823537730813E-05	Pass
The sum of Throughput 1 must be at least 500.	Reported: 669.191	Pass
The sum of Throughput 2 must be at least 470.	Reported: 628.269	Pass
The sum of Throughput 3 must be at least 260.	Reported: 360.73	Pass



6.2.3.3 - 802.11ax 2.4GHz Airtime Fairness Test	PARTS	RESULTS
		PASS

Qualifying Measurements (Mbps)		
Station 1	Short	216.392
Station 2	Short	209.208
	Medium	216.985
Station 3	Legacy	54.73

Measurement			Throughput (Mbps)		Packet Error Rate	RSSI
			Target	Measured		
Throughput 1	Station 1	Short	86.5568	86.556	0.0000	-19.233
	Station 2	Short	83.6832	83.686	0.0000	-19.942
Throughput 2	Station 1	Short	86.5568	86.556	0.0000	-19.267
	Station 2	Medium	86.794	86.793	0.0000	-56.392
Throughput 3	Station 1	Short	86.5568	86.55	0.0000	-19.092
	Station 3	Legacy	21.892	21.889	0.0000	-20.983



Throughput Sums		
Measurement	Throughput (Mbps)	
	Required	Observed
Throughput 1	150	170.2420
Throughput 2	130	173.3490
Throughput 3	95	108.4450

Summary		
Throughput 1 Station 1 PER must be ≤ 0.0001 .	Reported: 0	Pass
Throughput 1 Station 2 PER must be ≤ 0.0001 .	Reported: 0	Pass
Throughput 2 Station 1 PER must be ≤ 0.0001 .	Reported: 0	Pass
Throughput 2 Station 2 PER must be ≤ 0.0001 .	Reported: 0	Pass
Throughput 3 Station 1 PER must be ≤ 0.0001 .	Reported: 0	Pass
Throughput 3 Station 3 PER must be ≤ 0.0001 .	Reported: 0	Pass
The sum of Throughput 1 must be at least 150.	Reported: 170.242	Pass
The sum of Throughput 2 must be at least 130.	Reported: 173.349	Pass
The sum of Throughput 3 must be at least 95.	Reported: 108.445	Pass



6.2.3.4 - 802.11ax 5GHz Airtime Fairness Test	PARTS	RESULTS
		PASS

Qualifying Measurements (Mbps)		
Station 1	Short	940.992
Station 2	Short	922.001
	Medium	834.595
Station 3	Legacy	434.273

Measurement			Throughput (Mbps)		Packet Error Rate	RSSI
			Target	Measured		
Throughput 1	Station 1	Short	376.3968	376.393	0.0000	-27
	Station 2	Short	368.8004	368.801	0.0000	-28
Throughput 2	Station 1	Short	376.3968	376.397	0.0000	-27
	Station 2	Medium	333.838	331.031	0.0000	-54.008
Throughput 3	Station 1	Short	376.3968	376.396	0.0000	-27
	Station 3	Legacy	173.7092	173.706	0.0000	-29.9



Throughput Sums		
Measurement	Throughput (Mbps)	
	Required	Observed
Throughput 1	570	745.1940
Throughput 2	530	707.4240
Throughput 3	380	550.0990

Summary		
Throughput 1 Station 1 PER must be ≤ 0.0001 .	Reported: 0	Pass
Throughput 1 Station 2 PER must be ≤ 0.0001 .	Reported: 0	Pass
Throughput 2 Station 1 PER must be ≤ 0.0001 .	Reported: 0	Pass
Throughput 2 Station 2 PER must be ≤ 0.0001 .	Reported: 0	Pass
Throughput 3 Station 1 PER must be ≤ 0.0001 .	Reported: 0	Pass
Throughput 3 Station 3 PER must be ≤ 0.0001 .	Reported: 0	Pass
The sum of Throughput 1 must be at least 570.	Reported: 745.194	Pass
The sum of Throughput 2 must be at least 530.	Reported: 707.424	Pass
The sum of Throughput 3 must be at least 380.	Reported: 550.099	Pass



6.2.4.1 - 802.11n/ac Dual-Band Throughput Test	PARTS	RESULTS
		PASS

Point	Throughput (Mbps)				RSSI	
	2.4GHz		5GHz		2.4GHz	5GHz
	Required	Observed	Required	Observed		
2.4GHz: 10 dB Downlink 5GHz: 10 dB Downlink	100	112.1420	500	825.2880	-29.975	-39.033
2.4GHz: 10 dB Uplink 5GHz: 10 dB Uplink	100	114.4020	500	658.5880	-29.725	-39.092
2.4GHz: 10 dB Downlink 5GHz: 10 dB Uplink	100	112.6730	500	660.8610	-30	-39.875
2.4GHz: 10 dB Uplink 5GHz: 10 dB Downlink	100	114.1410	500	879.9830	-29.725	-39
2.4GHz: 32 dB Downlink 5GHz: 25 dB Downlink	85	112.8690	380	697.6080	-48.383	-53.35
2.4GHz: 32 dB Uplink 5GHz: 25 dB Uplink	85	114.1990	380	656.1100	-48	-54
2.4GHz: 32 dB Downlink 5GHz: 25 dB Uplink	85	112.9480	380	652.8750	-48	-54
2.4GHz: 32 dB Uplink 5GHz: 25 dB Downlink	85	114.7310	380	697.2680	-48.392	-53.908



2.4GHz: 42 dB Downlink 5GHz: 35 dB Downlink	45	112.7180	175	506.9660	-60	-65
2.4GHz: 42 dB Uplink 5GHz: 35 dB Uplink	45	114.3680	175	606.6270	-60	-65
2.4GHz: 42 dB Downlink 5GHz: 35 dB Uplink	45	112.7960	175	613.8480	-60	-65
2.4GHz: 42 dB Uplink 5GHz: 35 dB Downlink	45	114.4150	175	516.7600	-60	-65

Summary		
All points must reach their required throughput values.	Reported: 0 points failed	Pass



6.2.4.2 - 802.11ax Dual-Band Throughput Test	PARTS	RESULTS
		PASS

Point	Throughput (Mbps)				RSSI	
	2.4GHz		5GHz		2.4GHz	5GHz
	Required	Observed	Required	Observed		
2.4GHz: 10 dB Downlink 5GHz: 10 dB Downlink	195	210.4750	700	730.2030	-29.033	-39
2.4GHz: 10 dB Uplink 5GHz: 10 dB Uplink	195	218.4400	700	706.8590	-29.417	-39
2.4GHz: 10 dB Downlink 5GHz: 10 dB Uplink	195	219.0940	700	866.1410	-29.025	-39.542
2.4GHz: 10 dB Uplink 5GHz: 10 dB Downlink	195	223.7090	700	935.3400	-29.358	-39
2.4GHz: 32 dB Downlink 5GHz: 25 dB Downlink	130	212.9850	400	727.8030	-48.008	-53.992
2.4GHz: 32 dB Uplink 5GHz: 25 dB Uplink	130	213.9270	400	706.7590	-48.742	-54
2.4GHz: 32 dB Downlink 5GHz: 25 dB Uplink	130	218.7390	400	853.2180	-48.017	-54
2.4GHz: 32 dB Uplink 5GHz: 25 dB Downlink	130	222.3320	400	763.6380	-48.733	-54



2.4GHz: 42 dB Downlink 5GHz: 35 dB Downlink	75	214.0180	250	564.4170	-60	-65
2.4GHz: 42 dB Uplink 5GHz: 35 dB Uplink	75	177.6380	250	645.1950	-60	-65
2.4GHz: 42 dB Downlink 5GHz: 35 dB Uplink	75	211.3810	250	654.1400	-60	-65
2.4GHz: 42 dB Uplink 5GHz: 35 dB Downlink	75	177.5660	250	564.6880	-60	-65

Summary		
All points must reach their required throughput values.	Reported: 0 points failed	Pass



6.2.5.1 - 802.11n Bidirectional Throughput Test	PARTS	RESULTS
		PASS

Attenuation	Throughput Target (Mbps)		Packet Error Rate (dec)			RSSI
	Downlink	Uplink	Max PER	Downlink	Uplink	
0	50.4302	51.4463	0.0001	0.0000	0.0000	-19.967
21	50.8329	51.5912	0.0001	0.0000	0.0000	-37
42	50.6754	51.5930	0.0001	0.0000	0.0000	-60

Summary		
All points must not exceed the required packet error rate.	Reported: 0 points failed	Pass



6.2.5.2 - 802.11ac Bidirectional Throughput Test	PARTS	RESULTS
		FAIL

Attenuation	Throughput Target (Mbps)		Packet Error Rate (dec)			RSSI
	Downlink	Uplink	Max PER	Downlink	Uplink	
0	350.7903	321.5673	0.0001	0.0000	0.0000	-33.833
21	352.3878	298.5053	0.0001	0.0045	0.0000	-44
35	207.5027	258.9710	0.0001	0.0200	0.0000	-59

Summary		
All points must not exceed the required packet error rate.	Reported: 2 points failed	Fail



6.2.5.3 - 802.11ax 2.4GHz Bidirectional Throughput Test	PARTS	RESULTS
		PASS

Attenuation	Throughput Target (Mbps)		Packet Error Rate (dec)			RSSI
	Downlink	Uplink	Max PER	Downlink	Uplink	
0	97.9043	99.9518	0.0001	0.0000	0.0000	-19.9
21	98.0609	100.1471	0.0001	0.0000	0.0000	-37.575
42	88.2459	79.6676	0.0001	0.0000	0.0000	-60

Summary		
All points must not exceed the required packet error rate.	Reported: 0 points failed	Pass



6.2.5.4 - 802.11ax 5GHz Bidirectional Throughput Test	PARTS	RESULTS
		FAIL

Attenuation	Throughput Target (Mbps)		Packet Error Rate (dec)			RSSI
	Downlink	Uplink	Max PER	Downlink	Uplink	
0	384.1254	388.3869	0.0001	0.0005	0.0000	-24.992
21	386.2836	367.8152	0.0001	0.0005	0.0000	-44
35	247.8029	280.8707	0.0001	0.0207	0.0000	-59

Summary		
All points must not exceed the required packet error rate.	Reported: 3 points failed	Fail

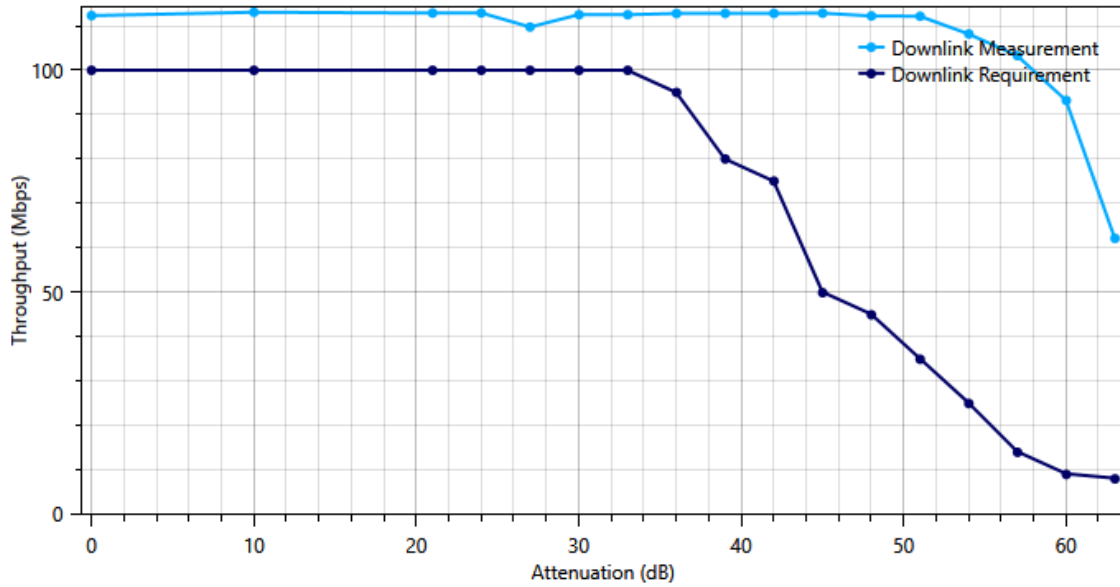


6.3.1.1 - 802.11n Range Versus Rate Test	PARTS	RESULTS
		PASS

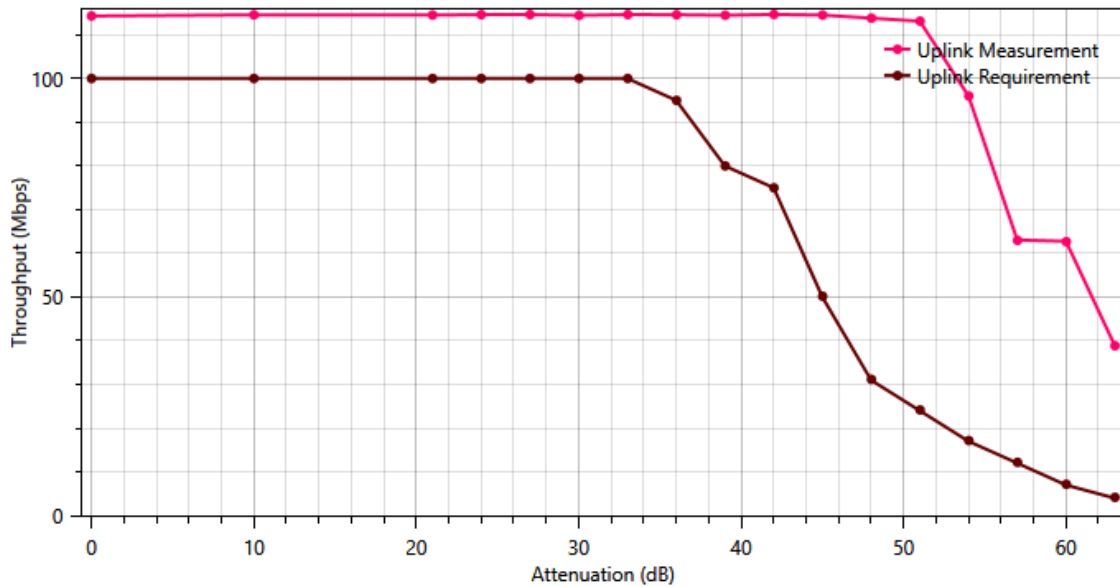
Attenuation (dB)	Throughput (Mbps)				RSSI	
	Required DL	Observed DL	Required UL	Observed UL	Downlink	Uplink
NA	100	112.3380	100	114.3070	-19.008	-19.483
NA	100	113.0870	100	114.5700	-28.992	-29
NA	100	112.9090	100	114.5320	-37.992	-37.033
NA	100	112.9420	100	114.6240	-40	-40.6
NA	100	109.7530	100	114.6430	-42.908	-42.992
NA	100	112.5410	100	114.4470	-46.008	-46
NA	100	112.5370	100	114.6360	-49	-49
NA	95	112.8070	95	114.5950	-52.017	-52
NA	80	112.8470	80	114.4790	-56	-56.9
NA	75	112.8360	75	114.6630	-59.992	-60
NA	50	112.8800	50	114.5320	-62.008	-62.333
NA	45	112.2540	31	113.8200	-65	-65.667
NA	35	112.1990	24	113.1210	-67.942	-68.325
NA	25	108.1920	17	96.0100	-71	-71.917
NA	14	103.2840	12	63.0580	-73.992	-74.942
NA	9	93.2250	7	62.7710	-76.983	-77
NA	8	62.1320	4	38.9450	-79.642	-80



Range Vs Rate Downlink



Range Vs Rate Uplink





Summary		
Throughput must reach at least the required value for all but 2 data points.	Reported: 0 points failed	Pass

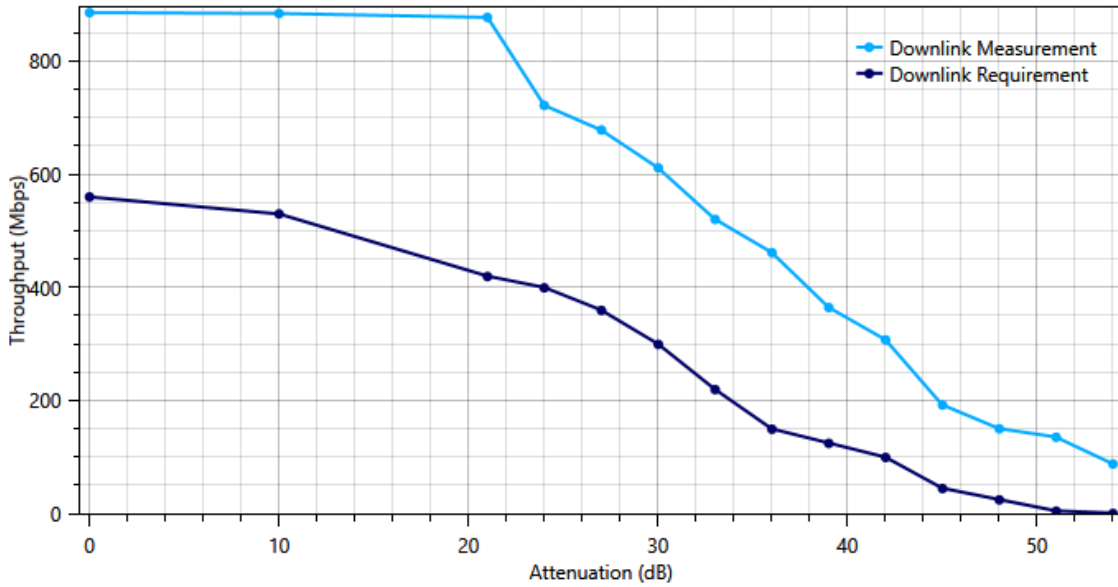


6.3.1.2 - 802.11ac Range Versus Rate Test	PARTS	RESULTS
		PASS

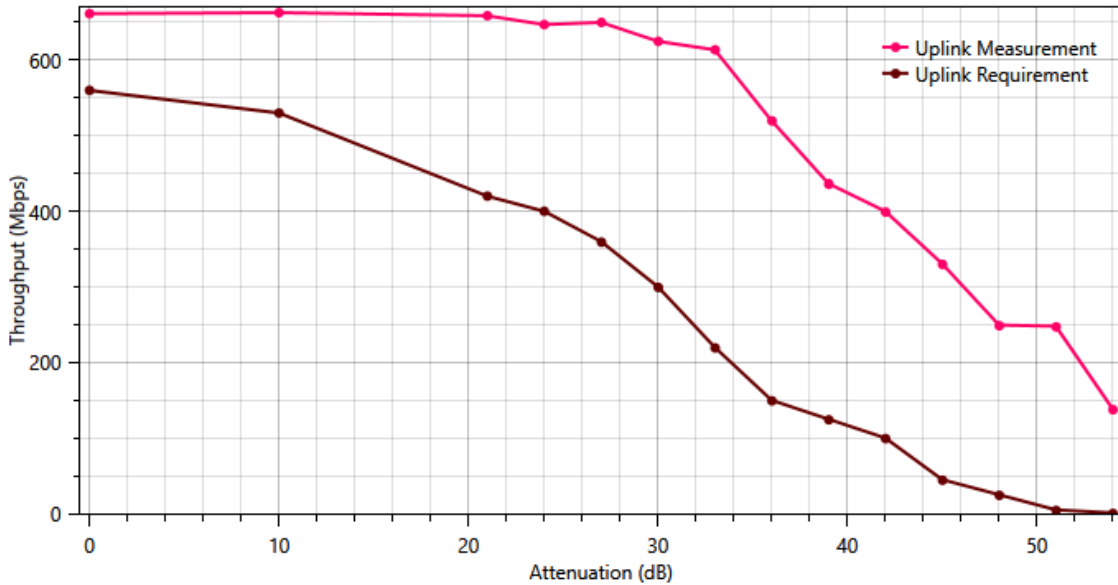
Attenuation (dB)	Throughput (Mbps)				RSSI	
	Required DL	Observed DL	Required UL	Observed UL	Downlink	Uplink
NA	560	885.9880	560	661.4110	-27	-26.175
NA	530	884.4440	530	662.8730	-37	-37.692
NA	420	877.5330	420	658.6830	-47	-47.083
NA	400	721.9360	400	646.9720	-50	-50
NA	360	678.3520	360	649.8820	-52	-52.95
NA	300	611.6000	300	624.7740	-57	-57
NA	220	520.8670	220	613.6170	-60	-60
NA	150	461.9470	150	519.7030	-63.317	-63.783
NA	125	364.8860	125	436.6870	-66.025	-66.858
NA	100	307.6910	100	399.9260	-70	-70
NA	45	192.4860	45	330.6140	-72.767	-73
NA	25	150.3610	25	249.4420	-75.967	-76
NA	5	135.4730	5	247.9240	-78	-78.258
NA	1	88.1660	1	138.4420	-81	-81.367



Range Vs Rate Downlink



Range Vs Rate Uplink





Summary		
Throughput must reach at least the required value for all but 2 data points.	Reported: 0 points failed	Pass

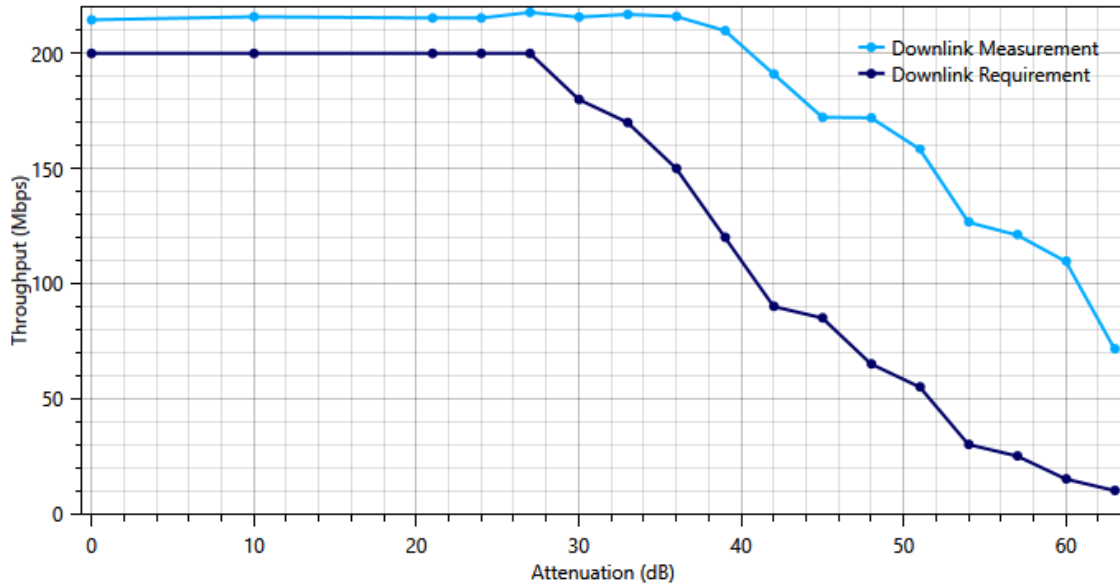


6.3.1.3 - 802.11ax 2.4GHz Range Versus Rate Test	PARTS	RESULTS
		PASS

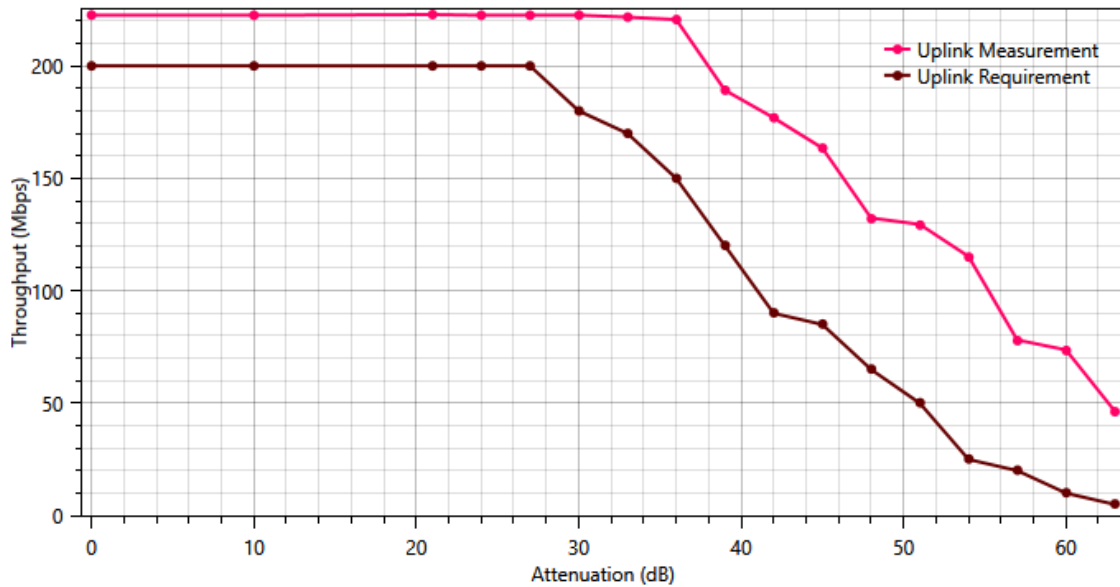
Attenuation (dB)	Throughput (Mbps)				RSSI	
	Required DL	Observed DL	Required UL	Observed UL	Downlink	Uplink
NA	200	214.5780	200	222.6210	-19.958	-19.4
NA	200	215.9420	200	222.5660	-29	-29
NA	200	215.3880	200	222.8840	-37.058	-37.975
NA	200	215.4140	200	222.5460	-40.133	-40.983
NA	200	217.8410	200	222.5670	-42.817	-43
NA	180	215.8060	180	222.6010	-46	-46.417
NA	170	216.9700	170	221.7250	-49	-49
NA	150	216.0730	150	220.6040	-52	-52.633
NA	120	209.8870	120	189.1920	-57	-57
NA	90	191.0700	90	176.9340	-60	-60
NA	85	172.2750	85	163.4640	-62.9	-63
NA	65	172.0240	65	132.3700	-65.5	-66
NA	55	158.3650	50	129.5270	-68.267	-68.975
NA	30	126.5720	25	115.2790	-71.967	-72
NA	25	121.0590	20	78.1100	-74.842	-75
NA	15	109.5000	10	73.7140	-76.967	-77.292
NA	10	71.4190	5	46.5300	-79.783	-80.067



Range Vs Rate Downlink



Range Vs Rate Uplink





Summary		
Throughput must reach at least the required value for all but 2 data points.	Reported: 0 points failed	Pass

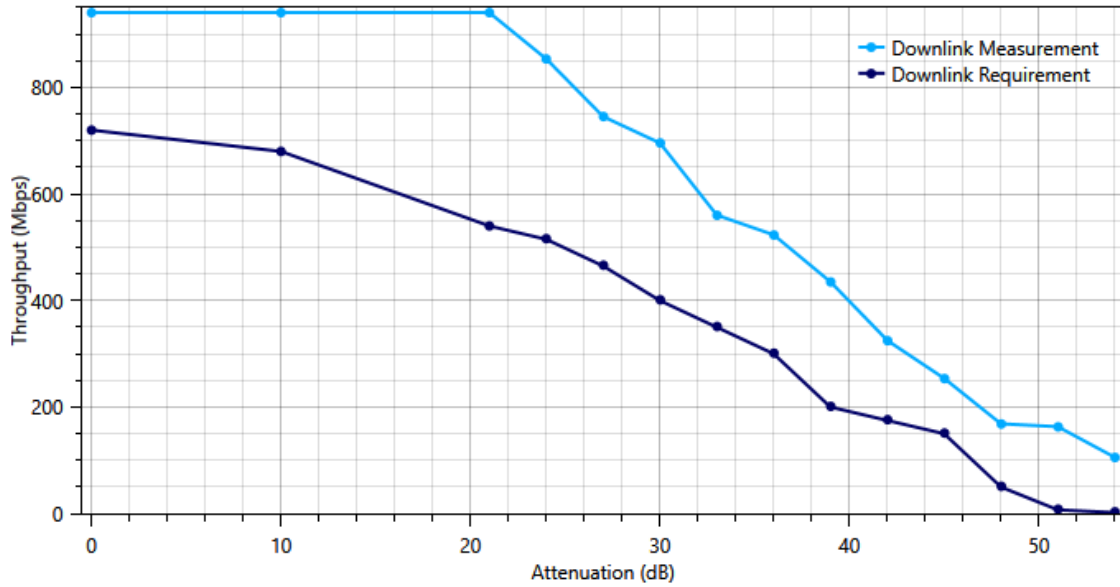


6.3.1.4 - 802.11ax 5GHz Range Versus Rate Test	PARTS	RESULTS
		PASS

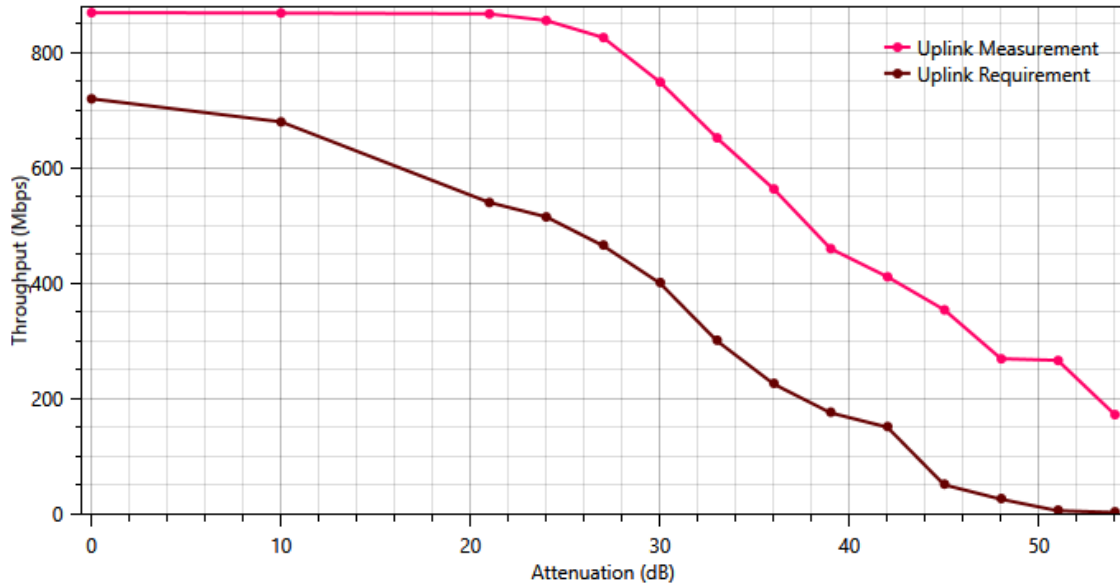
Attenuation (dB)	Throughput (Mbps)				RSSI	
	Required DL	Observed DL	Required UL	Observed UL	Downlink	Uplink
NA	720	940.5980	720	869.6240	-27	-26.758
NA	680	940.7490	680	868.8060	-37	-37.983
NA	540	940.6110	540	867.3260	-47	-47.342
NA	515	853.7440	515	855.8920	-50.025	-50
NA	465	745.5400	465	826.3660	-52.983	-53
NA	400	695.8260	400	749.0120	-57	-57
NA	350	560.5370	300	652.2400	-60	-60
NA	300	523.4090	225	563.5430	-63.15	-63.975
NA	200	435.2250	175	460.0260	-66.083	-66.983
NA	175	325.1520	150	411.1190	-70	-70.167
NA	150	253.9550	50	353.8390	-72.992	-73.017
NA	50	168.6320	25	268.8110	-75.8	-76
NA	7	163.2720	5	265.9370	-78.067	-78.908
NA	2	105.8260	2	172.0070	-81.25	-81.633



Range Vs Rate Downlink



Range Vs Rate Uplink





Summary		
Throughput must reach at least the required value for all but 2 data points.	Reported: 0 points failed	Pass

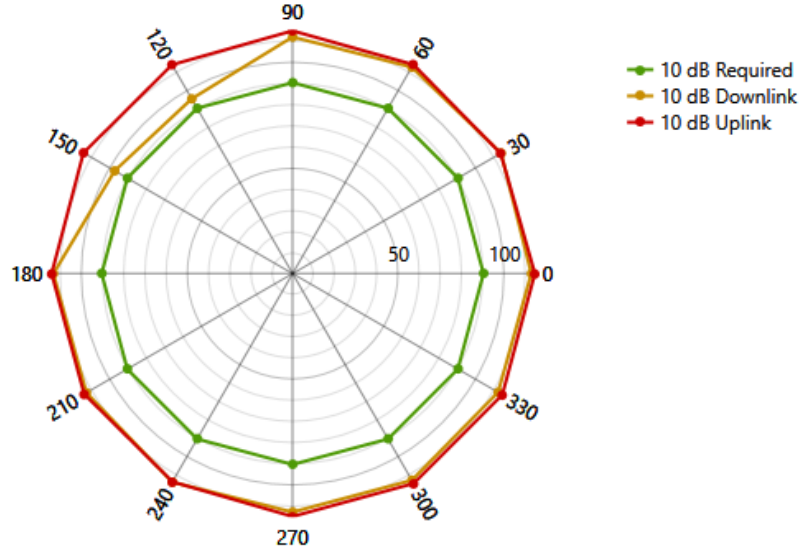


6.3.2.1 - 802.11n Spatial Consistency Test	PARTS	RESULTS
		PASS

Attenuation: 10 dB						
Rotation (deg)	Downlink (Mbps)		Uplink (Mbps)		RSSI	
	Required	Observed	Required	Observed	Downlink	Uplink
0	90	112.5560	90	114.2400	-30	-29.983
30	90	113.4990	90	113.3200	-28.633	-28
60	90	112.3630	90	113.7950	-27	-27
90	90	111.5400	90	114.4440	-26	-26
120	90	95.1430	90	113.6760	-25	-24
150	90	96.8780	90	113.8360	-26	-25
180	90	112.7530	90	113.5960	-26.3	-26
210	90	112.2520	90	113.4920	-26	-25
240	90	113.4930	90	113.3090	-25.867	-26
270	90	112.3990	90	114.5080	-27	-27.017
300	90	112.4830	90	114.2530	-25	-25
330	90	111.8880	90	114.2210	-25.783	-25.817
Variation	30%	13.33%	30%	0.51%	NA	NA



10 dB Spatial Consistency DL UL
 Angle (Rotation Degrees) | Magnitude (Throughput Mbps)

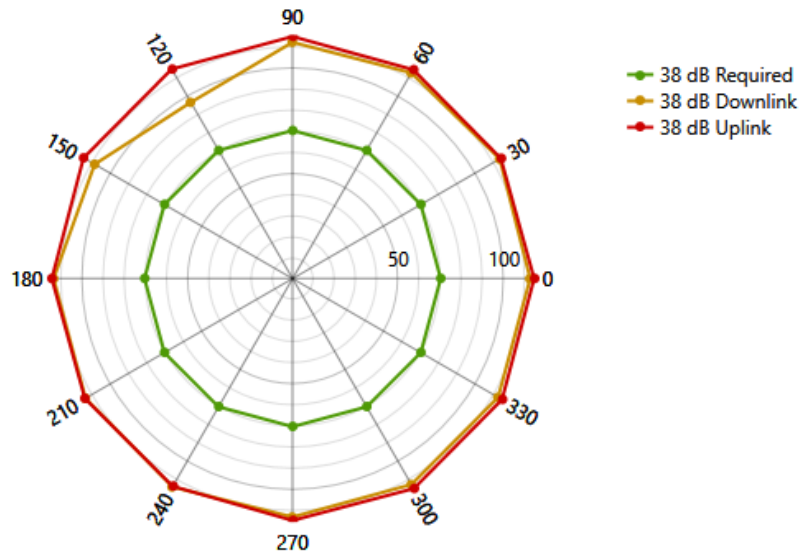


Attenuation: 38 dB						
Rotation (deg)	Downlink (Mbps)		Uplink (Mbps)		RSSI	
	Required	Observed	Required	Observed	Downlink	Uplink
0	70	112.3290	70	114.1990	-55	-55.9
30	70	113.1010	70	113.7080	-53	-53.617
60	70	112.2900	70	114.0460	-51	-51
90	70	111.7330	70	114.4490	-49.783	-50.017
120	70	96.2160	70	114.3290	-49	-49
150	70	108.0610	70	114.1150	-49.9	-49.05
180	70	112.9840	70	113.8180	-50.95	-51
210	70	113.0760	70	113.3920	-49	-49.183
240	70	113.6930	70	113.3390	-51.017	-52
270	70	112.6840	70	114.3570	-52	-52.467
300	70	112.3860	70	114.6320	-49.867	-49.9



330	70	112.2330	70	114.3480	-51	-51
Variation	30%	13.24%	30%	0.63%	NA	NA

38 dB Spatial Consistency DL UL
 Angle (Rotation Degrees) | Magnitude (Throughput Mbps)

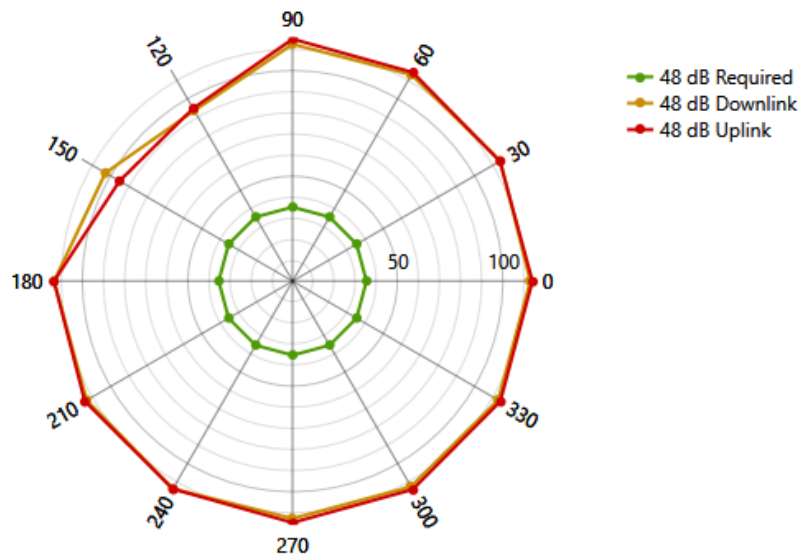


Attenuation: 48 dB						
Rotation (deg)	Downlink (Mbps)		Uplink (Mbps)		RSSI	
	Required	Observed	Required	Observed	Downlink	Uplink
0	35	112.6070	35	113.6160	-66	-66
30	35	113.6330	35	113.4110	-65	-65
60	35	112.6980	35	113.9550	-62	-63
90	35	112.0680	35	114.4990	-62	-62
120	35	93.1530	35	94.2920	-59	-59.117



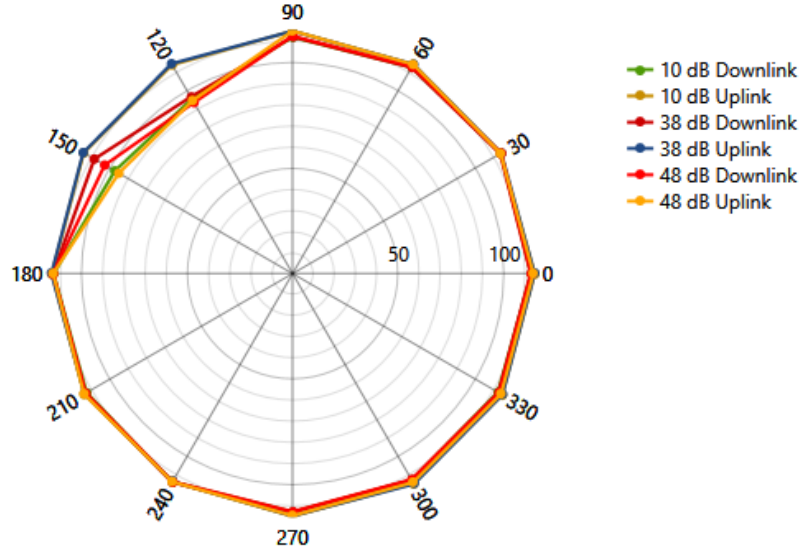
150	35	102.3800	35	94.6870	-59.9	-60
180	35	113.0090	35	113.0360	-61	-61
210	35	112.6440	35	113.6420	-60.467	-61
240	35	113.3380	35	113.4570	-62	-62.333
270	35	112.2710	35	114.2220	-62.017	-62.9
300	35	112.2080	35	113.7680	-61	-61.017
330	35	112.4500	35	113.6330	-62.017	-63
Variation	30%	15.47%	30%	14.68%	NA	NA

48 dB Spatial Consistency DL UL
 Angle (Rotation Degrees) | Magnitude (Throughput Mbps)





Spatial Consistency DL UL
 Angle (Rotation Degrees) | Magnitude (Throughput Mbps)



Summary		
Throughput must reach at least the required value for all but two of the data points for the short attenuation throughputs.	Reported: 0 points failed	Pass
Throughput must reach at least the required value for all but two of the data points for the medium attenuation throughputs.	Reported: 0 points failed	Pass
Throughput must reach at least the required value for all but two of the data points for the long attenuation throughputs.	Reported: 0 points failed	Pass
The DUT must pass all throughput requirements at each specific attenuation OR the maximum variation at each specific attenuation must be less than 30%.	Reported: 0 failed	Pass

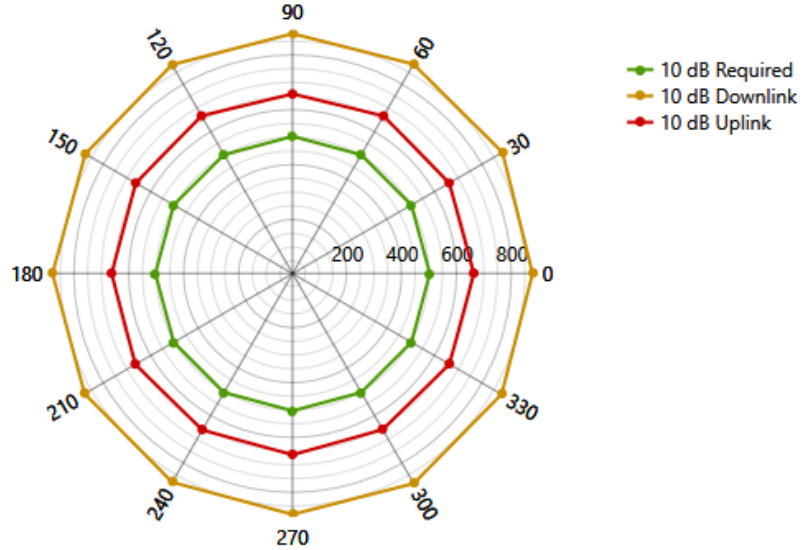


6.3.2.2 - 802.11ac Spatial Consistency Test	PARTS	RESULTS
		PASS

Attenuation: 10 dB						
Rotation (deg)	Downlink (Mbps)		Uplink (Mbps)		RSSI	
	Required	Observed	Required	Observed	Downlink	Uplink
0	500	874.4650	500	660.6580	-37.817	-38
30	500	882.9540	500	659.3340	-40	-40.85
60	500	881.1480	500	663.1950	-39	-39.05
90	500	874.0090	500	654.3680	-37	-37
120	500	878.6000	500	663.7700	-41.033	-41.817
150	500	871.9200	500	659.9060	-39	-39
180	500	875.1080	500	659.5560	-37	-37
210	500	875.0370	500	661.6530	-40	-40
240	500	877.4840	500	657.9540	-42	-42
270	500	877.2930	500	660.1000	-40	-40
300	500	882.8190	500	656.0510	-40	-40
330	500	879.2770	500	660.0010	-38	-38
Variation	40%	0.64%	40%	0.81%	NA	NA



10 dB Spatial Consistency DL UL
 Angle (Rotation Degrees) | Magnitude (Throughput Mbps)

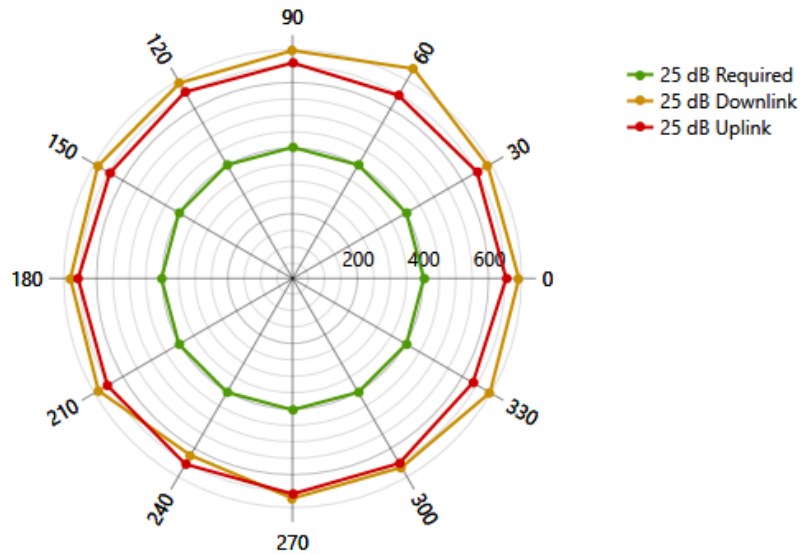


Attenuation: 25 dB						
Rotation (deg)	Downlink (Mbps)		Uplink (Mbps)		RSSI	
	Required	Observed	Required	Observed	Downlink	Uplink
0	400	689.6850	400	650.8220	-51	-51
30	400	687.0870	400	649.3690	-53.967	-54
60	400	738.3710	400	644.9480	-52.483	-53
90	400	694.9770	400	657.5420	-50	-50
120	400	688.2600	400	656.5390	-55	-55
150	400	685.1250	400	642.8640	-52	-52.8
180	400	677.3780	400	653.7740	-50	-50.55
210	400	683.2340	400	651.5360	-53	-53.883
240	400	621.8000	400	653.0600	-55	-55.9
270	400	669.7200	400	656.3660	-53	-53
300	400	664.2370	400	650.0550	-53	-53.833



330	400	694.5590	400	634.4000	-51	-51.167
Variation	40%	8.94%	40%	2.42%	NA	NA

25 dB Spatial Consistency DL UL
 Angle (Rotation Degrees) | Magnitude (Throughput Mbps)

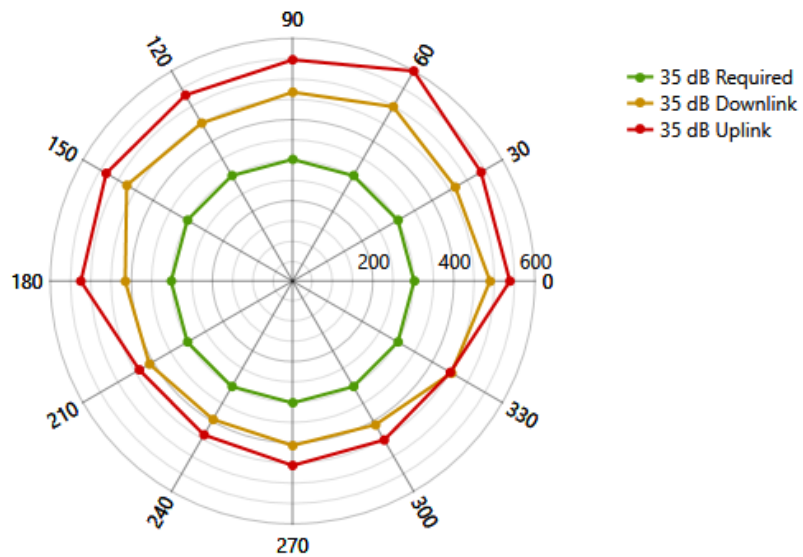


Attenuation: 35 dB						
Rotation (deg)	Downlink (Mbps)		Uplink (Mbps)		RSSI	
	Required	Observed	Required	Observed	Downlink	Uplink
0	300	487.2420	300	536.2950	-62	-62
30	300	463.5650	300	537.1130	-65.967	-66
60	300	496.3610	300	597.7380	-64.25	-64.35
90	300	465.6050	300	545.3060	-61	-61.85
120	300	449.7000	300	529.1500	-66.683	-66.3



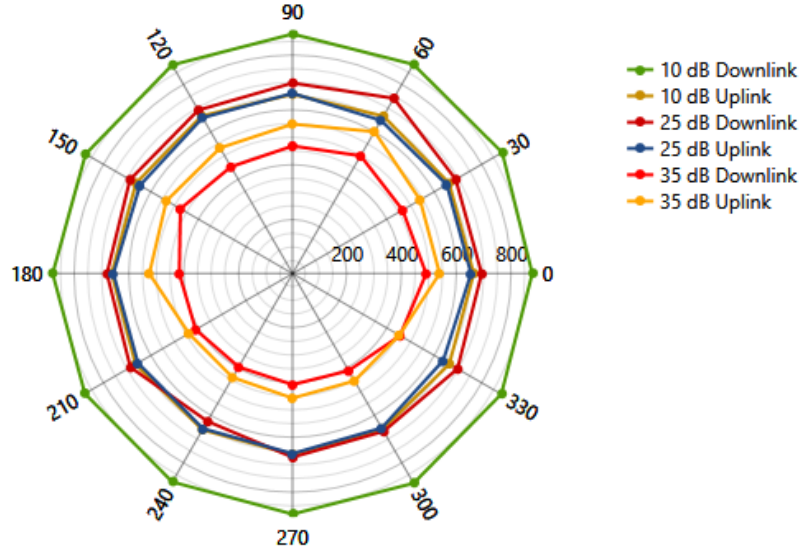
150	300	472.7500	300	531.2540	-64.033	-64
180	300	413.2480	300	522.6480	-62	-62
210	300	408.3310	300	436.9650	-65.983	-66
240	300	393.2530	300	437.3900	-67.283	-68
270	300	405.0350	300	454.2620	-65	-65
300	300	408.7810	300	451.9230	-65	-65
330	300	452.7840	300	449.4560	-63	-63
Variation	40%	11.24%	40%	13.03%	NA	NA

35 dB Spatial Consistency DL UL
 Angle (Rotation Degrees) | Magnitude (Throughput Mbps)





Spatial Consistency DL UL
 Angle (Rotation Degrees) | Magnitude (Throughput Mbps)



Summary		
Throughput must reach at least the required value for all but two of the data points for the short attenuation throughputs.	Reported: 0 points failed	Pass
Throughput must reach at least the required value for all but two of the data points for the medium attenuation throughputs.	Reported: 0 points failed	Pass
Throughput must reach at least the required value for all but two of the data points for the long attenuation throughputs.	Reported: 0 points failed	Pass
The DUT must pass all throughput requirements at each specific attenuation OR the maximum variation at each specific attenuation must be less than 40%.	Reported: 0 failed	Pass

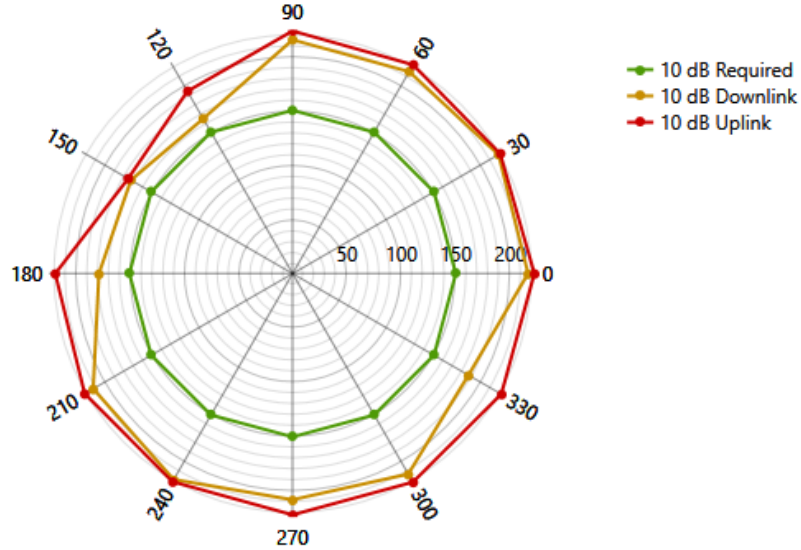


6.3.2.3 - 802.11ax 2.4GHz Spatial Consistency Test	PARTS	RESULTS
		PASS

Attenuation: 10 dB						
Rotation (deg)	Downlink (Mbps)		Uplink (Mbps)		RSSI	
	Required	Observed	Required	Observed	Downlink	Uplink
0	150	216.3820	150	222.1480	-29.017	-29.883
30	150	218.5240	150	220.3420	-28.583	-28
60	150	214.2760	150	221.5050	-27	-27
90	150	214.8020	150	222.9350	-25.05	-25.833
120	150	164.3160	150	193.3710	-24	-24
150	150	171.6350	150	174.5230	-25.017	-26
180	150	177.9400	150	218.0780	-26.15	-27
210	150	211.6180	150	220.5730	-25	-25
240	150	218.4570	150	220.7560	-26	-26
270	150	207.7790	150	221.6680	-27	-27
300	150	212.6450	150	221.1740	-25.05	-25
330	150	186.5900	150	221.5040	-26	-26
Variation	30%	18.35%	30%	18.78%	NA	NA



10 dB Spatial Consistency DL UL
 Angle (Rotation Degrees) | Magnitude (Throughput Mbps)

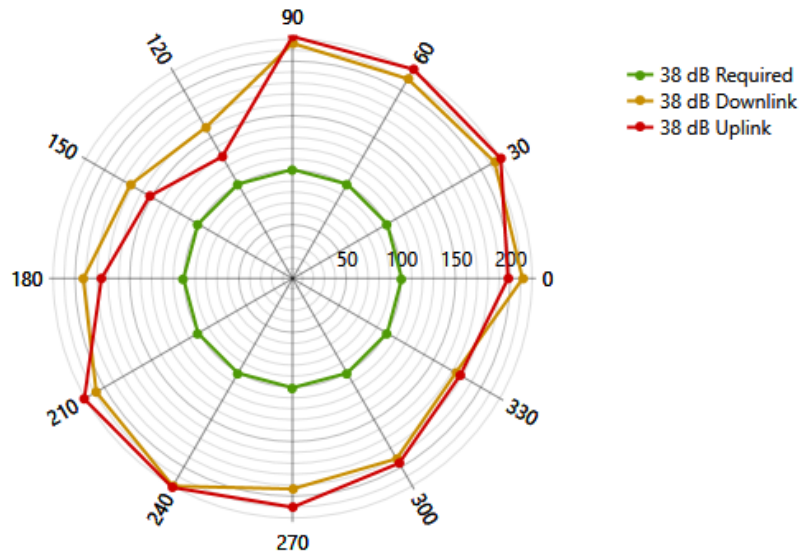


Attenuation: 38 dB						
Rotation (deg)	Downlink (Mbps)		Uplink (Mbps)		RSSI	
	Required	Observed	Required	Observed	Downlink	Uplink
0	100	210.6850	100	197.3750	-55	-55.233
30	100	213.7630	100	220.1320	-53	-53
60	100	211.2590	100	221.3860	-51	-51
90	100	215.4970	100	221.7560	-50	-50.3
120	100	159.6790	100	128.9810	-49	-48.733
150	100	171.7960	100	151.2180	-49.6	-49.15
180	100	191.7580	100	175.1600	-50.483	-50
210	100	207.7370	100	220.3740	-49	-49
240	100	219.4710	100	220.7840	-51	-51.817
270	100	192.6620	100	209.4490	-51.667	-51.9
300	100	190.5310	100	195.2340	-50	-50



330	100	172.5900	100	177.1920	-51	-51.65
Variation	30%	18.72%	30%	33.83%	NA	NA

38 dB Spatial Consistency DL UL
 Angle (Rotation Degrees) | Magnitude (Throughput Mbps)

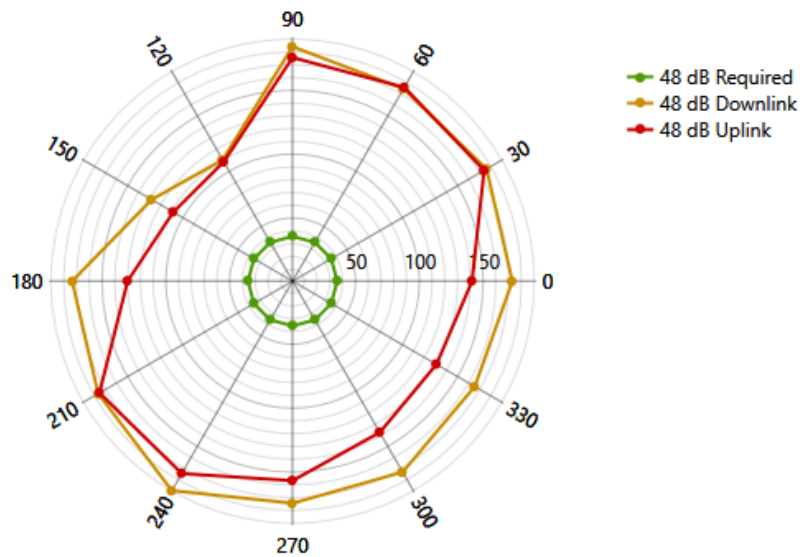


Attenuation: 48 dB						
Rotation (deg)	Downlink (Mbps)		Uplink (Mbps)		RSSI	
	Required	Observed	Required	Observed	Downlink	Uplink
0	35	172.2150	35	140.6340	-65.167	-66
30	35	175.5260	35	173.3190	-64.567	-65
60	35	173.8460	35	175.0740	-62	-62.25
90	35	183.4390	35	174.9240	-62	-62
120	35	109.5510	35	107.8500	-59	-59



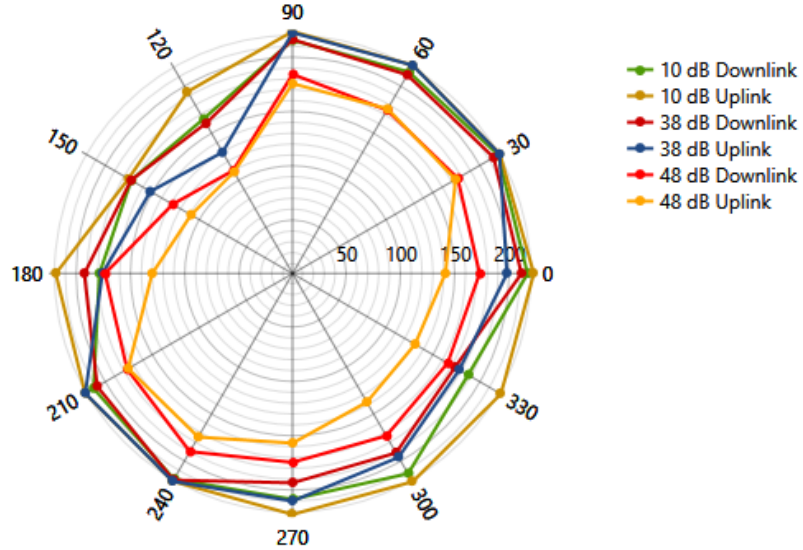
150	35	127.6000	35	107.9650	-60	-60
180	35	172.7600	35	129.3160	-61	-61
210	35	175.9080	35	174.8040	-61	-61
240	35	189.1860	35	173.7590	-62.017	-62.517
270	35	173.7620	35	156.1040	-62.167	-62.867
300	35	172.4770	35	136.6590	-61	-61.8
330	35	164.8450	35	130.1680	-62.95	-63
Variation	30%	33.98%	30%	27.32%	NA	NA

48 dB Spatial Consistency DL UL
 Angle (Rotation Degrees) | Magnitude (Throughput Mbps)





Spatial Consistency DL UL
 Angle (Rotation Degrees) | Magnitude (Throughput Mbps)



Summary		
Throughput must reach at least the required value for all but two of the data points for the short attenuation throughputs.	Reported: 0 points failed	Pass
Throughput must reach at least the required value for all but two of the data points for the medium attenuation throughputs.	Reported: 0 points failed	Pass
Throughput must reach at least the required value for all but two of the data points for the long attenuation throughputs.	Reported: 0 points failed	Pass
The DUT must pass all throughput requirements at each specific attenuation OR the maximum variation at each specific attenuation must be less than 30%.	Reported: 0 failed	Pass

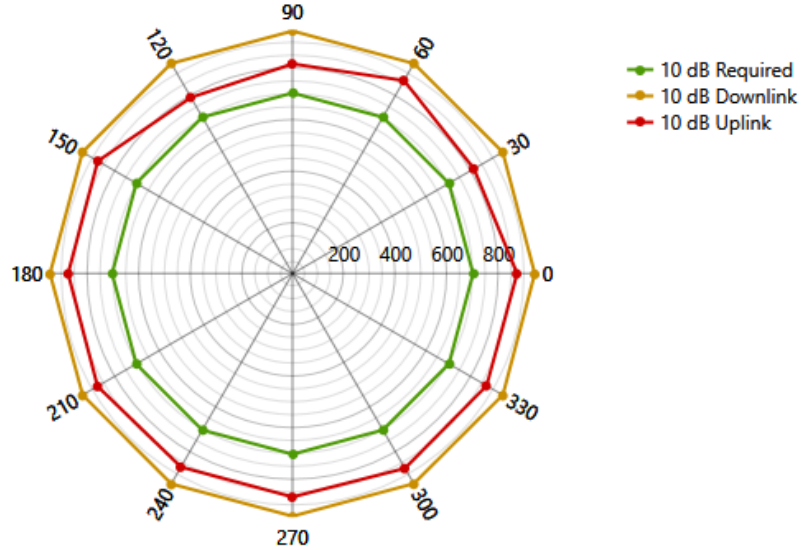


6.3.2.4 - 802.11ax 5GHz Spatial Consistency Test	PARTS	RESULTS
		PASS

Attenuation: 10 dB						
Rotation (deg)	Downlink (Mbps)		Uplink (Mbps)		RSSI	
	Required	Observed	Required	Observed	Downlink	Uplink
0	700	938.7420	700	870.3990	-37.817	-38
30	700	940.9260	700	812.0910	-40	-40.833
60	700	940.3620	700	864.1310	-39	-39
90	700	940.3640	700	812.9570	-37	-37
120	700	940.6140	700	788.1710	-41	-41
150	700	940.7460	700	872.1520	-39	-39
180	700	940.4230	700	870.1950	-37	-37
210	700	940.1240	700	873.3140	-40	-40.1
240	700	940.8830	700	865.6370	-41.333	-42
270	700	940.3330	700	865.6560	-39.067	-39.533
300	700	939.9140	700	871.5040	-40	-40
330	700	941.1620	700	868.7420	-38	-38
Variation	40%	0.17%	40%	7.59%	NA	NA



10 dB Spatial Consistency DL UL
 Angle (Rotation Degrees) | Magnitude (Throughput Mbps)

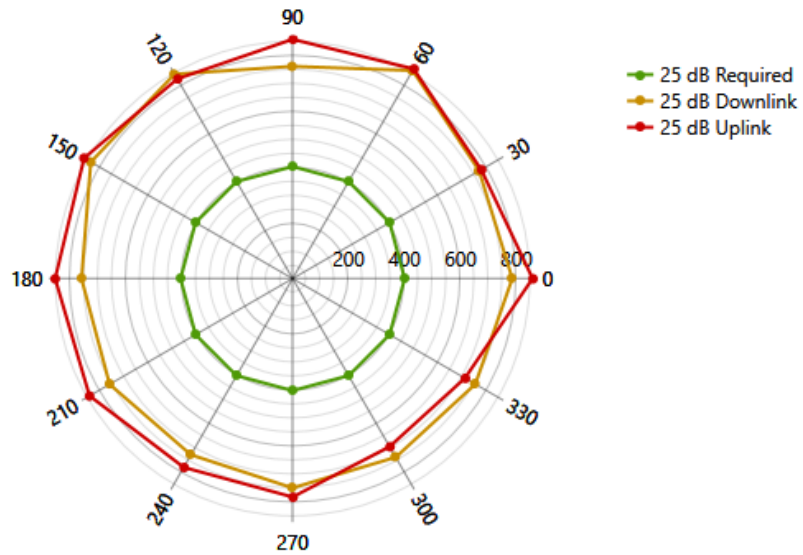


Attenuation: 25 dB						
Rotation (deg)	Downlink (Mbps)		Uplink (Mbps)		RSSI	
	Required	Observed	Required	Observed	Downlink	Uplink
0	400	784.4000	400	856.8700	-51	-51
30	400	769.0530	400	777.6870	-53.467	-54
60	400	857.4260	400	864.3780	-52.717	-53
90	400	757.7090	400	854.2260	-50	-50
120	400	842.8420	400	823.3360	-54.333	-55
150	400	832.0140	400	859.8840	-52	-52
180	400	753.5630	400	847.7360	-50	-50.9
210	400	754.6250	400	837.1770	-53.967	-54
240	400	726.3140	400	777.8550	-55	-55.8
270	400	747.2260	400	779.7980	-53	-53
300	400	736.4150	400	692.6510	-53	-53.733



330	400	753.4070	400	710.7700	-51	-51
Variation	40%	6.43%	40%	14.16%	NA	NA

25 dB Spatial Consistency DL UL
 Angle (Rotation Degrees) | Magnitude (Throughput Mbps)

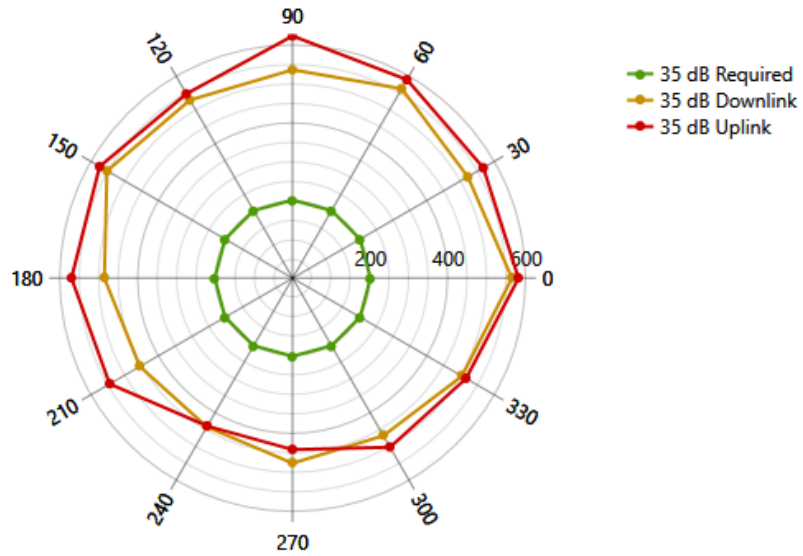


Attenuation: 35 dB						
Rotation (deg)	Downlink (Mbps)		Uplink (Mbps)		RSSI	
	Required	Observed	Required	Observed	Downlink	Uplink
0	200	563.1950	200	580.0240	-62	-62
30	200	519.6010	200	565.6620	-65.817	-66
60	200	560.6800	200	587.4750	-64.683	-65
90	200	534.0590	200	620.6960	-61	-61.317
120	200	527.0810	200	545.4380	-66.217	-66.133



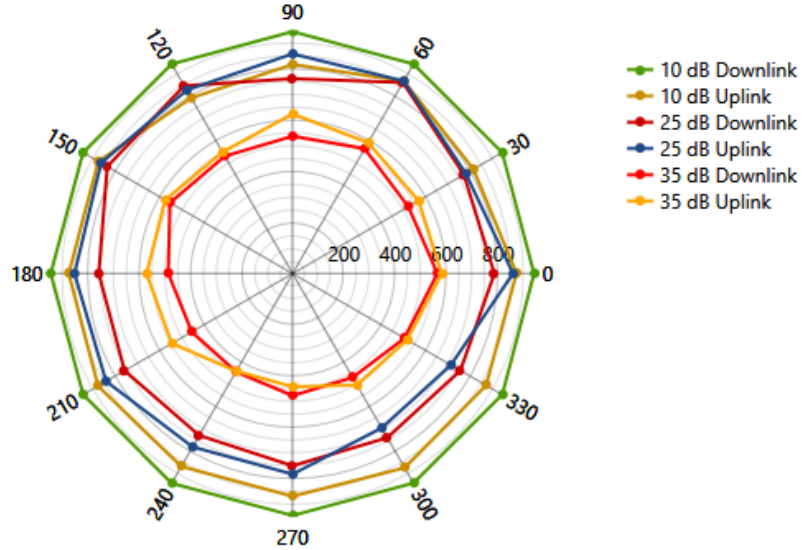
150	200	550.1940	200	572.1290	-64.333	-64
180	200	483.3160	200	567.7680	-62	-62
210	200	452.8360	200	542.3070	-65.983	-66
240	200	440.1920	200	437.8160	-67.017	-67.483
270	200	474.4710	200	439.4570	-64.983	-65
300	200	466.3830	200	500.3980	-65	-65
330	200	502.1120	200	514.4340	-63	-63
Variation	40%	13.04%	40%	18.84%	NA	NA

35 dB Spatial Consistency DL UL
 Angle (Rotation Degrees) | Magnitude (Throughput Mbps)





Spatial Consistency DL UL
 Angle (Rotation Degrees) | Magnitude (Throughput Mbps)



Summary		
Throughput must reach at least the required value for all but two of the data points for the short attenuation throughputs.	Reported: 0 points failed	Pass
Throughput must reach at least the required value for all but two of the data points for the medium attenuation throughputs.	Reported: 0 points failed	Pass
Throughput must reach at least the required value for all but two of the data points for the long attenuation throughputs.	Reported: 0 points failed	Pass
The DUT must pass all throughput requirements at each specific attenuation OR the maximum variation at each specific attenuation must be less than 40%.	Reported: 0 failed	Pass



6.3.3.1 - 802.11ax 2.4GHz Peak Performance Test (40MHz / 2SS)	PARTS	RESULTS
		PASS

Throughput (Mbps)				RSSI	
Required DL	Observed DL	Required UL	Observed UL	Downlink	Uplink
300	438.7440	300	448.7480	-29.508	-29.633

Summary		
Downlink throughput must reach at least 300 Mbps.	Reported: 438.744 Mbps	Pass
Uplink throughput must reach at least 300 Mbps.	Reported: 448.748 Mbps	Pass



6.4.1.1 - 802.11n Multiple STAs Performance Test	PARTS	RESULTS
		PASS

Downlink								
Measurement	Throughput (Mbps)					RSSI		
	Short	Medium	Long	Requirement	Sum	Short	Medium	Long
S	37.6410	N/A	N/A	70	112.6000	-30.0000	N/A	N/A
	37.5810							
	37.3780							
SM	18.6720	18.7590	N/A	60	112.2160	-30.0000	-56.0000	N/A
	18.7000	18.6950						
	18.7430	18.6470						
SML	14.9420	14.5280	4.4220	50	100.7250	-30.0000	-55.9170	-72.5080
	14.8990	14.4880	3.7800					
	15.0270	14.5130	4.1260					

Uplink								
Measurement	Throughput (Mbps)					RSSI		
	Short	Medium	Long	Requirement	Sum	Short	Medium	Long
S	37.9740	N/A	N/A	70	114.1020	-30.0000	N/A	N/A
	38.0700							
	38.0580							
SM	30.0280	5.7190	N/A	60	108.0290	-30.0000	-55.3250	N/A
	30.3520	5.6390						
	30.5510	5.7400						
SML	25.1100	4.9050	0.0010	50	90.4390	-30.0000	-55.8330	-71.9830
	25.3170	4.8840	0.0030					
	25.1240	5.0950	0.0000					



Summary		
Throughput sums must reach their required throughput value for all points.	Reported: 0 failed	Pass



6.4.1.2 - 802.11ac Multiple STAs Performance Test	PARTS	RESULTS
		FAIL

Downlink								
Measurement	Throughput (Mbps)					RSSI		
	Short	Medium	Long	Requirement	Sum	Short	Medium	Long
S	285.8020	N/A	N/A	500	869.1430	-35.0000	N/A	N/A
	290.1820							
	293.1590							
SM	151.4750	123.8730	N/A	500	801.4130	-35.0000	-54.0000	N/A
	130.7850	127.6500						
	143.3050	124.3250						
SML	109.9590	102.5920	7.9260	400	659.6770	-35.0170	-54.0000	-72.5750
	98.1630	120.2660	6.2100					
	104.6890	100.6770	9.1950					

Uplink								
Measurement	Throughput (Mbps)					RSSI		
	Short	Medium	Long	Requirement	Sum	Short	Medium	Long
S	213.8850	N/A	N/A	500	643.8090	-34.4170	N/A	N/A
	215.5790							
	214.3450							
SM	76.1240	45.4200	N/A	500	369.3900	-34.2580	-53.2580	N/A
	76.7080	50.3440						
	75.4430	45.3510						
SML	86.5380	35.7710	0.0000	400	359.8530	-34.1920	-53.2420	-82.0500
	83.2350	34.6450	0.0040					
	85.5290	34.1250	0.0060					



Summary		
Throughput sums must reach their required throughput value for all points.	Reported: 2 failed	Fail



6.4.1.3 - 802.11ax 2.4GHz Multiple STAs Performance Test	PARTS	RESULTS
		PASS

Downlink								
Measurement	Throughput (Mbps)					RSSI		
	Short	Medium	Long	Requirement	Sum	Short	Medium	Long
S	72.7180	N/A	N/A	140	217.8950	-30.0000	N/A	N/A
	72.6030							
	72.5740							
SM	35.4620	34.5580	N/A	120	210.9140	-30.0000	-56.3250	N/A
	35.8300	34.8870						
	35.3370	34.8400						
SML	23.4690	22.4150	12.0060	100	174.0690	-30.0000	-56.5580	-73.3500
	23.3140	22.4520	12.4180					
	23.4650	22.2740	12.2560					

Uplink								
Measurement	Throughput (Mbps)					RSSI		
	Short	Medium	Long	Requirement	Sum	Short	Medium	Long
S	73.9630	N/A	N/A	140	222.9890	-30.0000	N/A	N/A
	74.7350							
	74.2910							
SM	41.4100	23.0980	N/A	120	188.8000	-30.0000	-56.8420	N/A
	39.5440	21.6700						
	39.4100	23.6680						
SML	39.3070	11.6270	0.0100	100	153.9060	-30.0000	-56.8420	-73.0830
	40.3540	12.0280	0.0130					
	38.9710	11.5870	0.0090					



Summary		
Throughput sums must reach their required throughput value for all points.	Reported: 0 failed	Pass



6.4.1.4 - 802.11ax 5GHz Multiple STAs Performance Test	PARTS	RESULTS
		PASS

Downlink								
Measurement	Throughput (Mbps)					RSSI		
	Short	Medium	Long	Requirement	Sum	Short	Medium	Long
S	314.8060	N/A	N/A	680	933.6340	-37.0330	N/A	N/A
	311.9620							
	306.8660							
SM	155.2580	120.3730	N/A	600	825.0390	-37.9670	-54.0000	N/A
	154.8870	121.6900						
	155.1680	117.6630						
SML	123.4090	80.1510	11.2370	500	651.6950	-38.0000	-54.0000	-74.1170
	123.0630	85.0720	11.0000					
	124.2560	82.5710	10.9360					

Uplink								
Measurement	Throughput (Mbps)					RSSI		
	Short	Medium	Long	Requirement	Sum	Short	Medium	Long
S	280.6680	N/A	N/A	600	862.5250	-37.9830	N/A	N/A
	297.3520							
	284.5050							
SM	104.4910	66.4360	N/A	250	499.0210	-38.0000	-54.0920	N/A
	102.4270	56.3400						
	115.3700	53.9570						
SML	97.7130	27.6980	0.0200	200	356.9230	-38.0000	-54.0750	-76.8420
	87.8730	21.0740	0.0120					
	95.8590	26.6470	0.0270					



Summary		
Throughput sums must reach their required throughput value for all points.	Reported: 0 failed	Pass



6.4.2.1 - 802.11n Multiple Association/Disassociation Stability Test	PARTS	RESULTS
		PASS

Station #	Throughput (Mbps)		RSSI
	Required	Observed	
1	3.96	4.0000	-20.31
2	3.96	4.0000	-20.31
3	3.96	4.0000	-20.31
4	3.96	4.0000	-20.31
5	3.96	4.0000	-20.31
6	3.96	3.9990	-20.31
7	3.96	4.0000	-20.31
8	3.96	4.0000	-20.31

Summary		
Throughput must reach at least 99% of 4 Mbps for all STA.	Reported: 0 failed	Pass



6.4.2.2 - 802.11ac Multiple Association/Disassociation Stability Test	PARTS	RESULTS
		PASS

Station #	Throughput (Mbps)		RSSI
	Required	Observed	
1	7.92	8.0000	-28.02
2	7.92	8.0000	-28.02
3	7.92	8.0000	-28.02
4	7.92	8.0000	-28.02
5	7.92	8.0000	-28.02
6	7.92	8.0000	-28.02
7	7.92	8.0000	-28.02
8	7.92	8.0000	-28.02

Summary		
Throughput must reach at least 99% of 8 Mbps for all STA.	Reported: 0 failed	Pass



6.4.2.3 - 802.11ax 2.4GHz Multiple Association/Disassociation Stability Test	PARTS	RESULTS
		PASS

Station #	Throughput (Mbps)		RSSI
	Required	Observed	
1	3.96	4.0000	-20.76
2	3.96	4.0000	-20.76
3	3.96	4.0000	-20.76
4	3.96	4.0000	-20.76
5	3.96	4.0000	-20.76
6	3.96	4.0000	-20.76
7	3.96	4.0000	-20.76
8	3.96	4.0000	-20.76

Summary		
Throughput must reach at least 99% of 4 Mbps for all STA.	Reported: 0 failed	Pass



6.4.2.4 - 802.11ax 5GHz Multiple Association/Disassociation Stability Test	PARTS	RESULTS
		PASS

Station #	Throughput (Mbps)		RSSI
	Required	Observed	
1	7.92	8.0000	-27.99
2	7.92	8.0000	-27.99
3	7.92	8.0000	-27.99
4	7.92	8.0000	-27.99
5	7.92	8.0000	-27.99
6	7.92	8.0000	-27.99
7	7.92	8.0000	-27.99
8	7.92	8.0000	-27.99

Summary		
Throughput must reach at least 99% of 8 Mbps for all STA.	Reported: 0 failed	Pass



6.4.3.1 - 802.11ac Downlink MU-MIMO Performance Test	PARTS	RESULTS
		PASS

Throughput (Mbps)					RSSI		
Measurement	Station 1	Station 2	Station 3	Sum	Station 1	Station 2	Station 3
Enabled - Individual	671.5480	343.7690	342.3170	1357.6340	NA	NA	NA
Enabled - Simultaneous	379.8030	268.6990	274.7370	923.2390	NA	NA	NA
Disabled - Simultaneous	229.8790	111.1990	112.4940	453.5720	NA	NA	NA

Summary			
Enabled MU-MIMO performance must be at least 45% of individual performance.	Individual: 1357.634; Enabled: 923.239; Percent: 68%	Enabled:	Pass
Enabled MU-MIMO performance must be at least greater than disabled MU-MIMO performance.	Enabled: 923.239; Disabled: 453.572	Disabled:	Pass



6.4.3.3 - 802.11ax 5GHz Downlink MU-MIMO Performance Test	PARTS	RESULTS
		PASS

Throughput (Mbps)					RSSI		
Measurement	Station 1	Station 2	Station 3	Sum	Station 1	Station 2	Station 3
Enabled - Individual	910.0480	450.6580	450.1330	1810.8390	NA	NA	NA
Enabled - Simultaneous	475.7080	247.1790	217.4520	940.3390	NA	NA	NA
Disabled - Simultaneous	358.0220	56.8510	210.9810	625.8540	NA	NA	NA

Summary		
Enabled MU-MIMO performance must be at least 45% of individual performance.	Individual: 1810.839; Enabled: 940.339; Percent: 51.93%	Pass
Enabled MU-MIMO performance must be at least greater than disabled MU-MIMO performance.	Enabled: 940.339; Disabled: 625.854	Pass



6.5.1.1 - 802.11n/ac Long Term Stability Test	PARTS	RESULTS
		PASS

Interval	Packet Error Rate			RSSI	
	Maximum PER	Observed PER - 2.4GHz	Observed PER - 5GHz	2.4GHz	5GHz
Measurement 0	0.0001	0.000000	0.000000	-26.984	-26.984
Measurement 1	0.0001	0.000000	0.000000	-27.001	-27.001
Measurement 2	0.0001	0.000000	0.000000	-27.001	-27.001
Measurement 3	0.0001	0.000000	0.000000	-27.001	-27.001
Measurement 4	0.0001	0.000000	0.000000	-27.001	-27.001
Measurement 5	0.0001	0.000000	0.000000	-27	-27
Measurement 6	0.0001	0.000000	0.000000	-27.001	-27.001
Measurement 7	0.0001	0.000000	0.000000	-27	-27
Measurement 8	0.0001	0.000000	0.000000	-27	-27
Measurement 9	0.0001	0.000000	0.000000	-27.001	-27.001
Measurement 10	0.0001	0.000000	0.000000	-27	-27
Measurement 11	0.0001	0.000000	0.000000	-27	-27
Measurement 12	0.0001	0.000000	0.000000	-27	-27
Measurement 13	0.0001	0.000000	0.000000	-27.001	-27.001
Measurement 14	0.0001	0.000000	0.000000	-27	-27
Measurement 15	0.0001	0.000000	0.000000	-27.001	-27.001



Summary		
Packet error rate must be less than 0.0001 for all points.	Reported: 0 failed	Pass



6.5.1.2 - 802.11ax Long Term Stability Test	PARTS	RESULTS
		PASS

Interval	Packet Error Rate			RSSI	
	Maximum PER	Observed PER - 2.4GHz	Observed PER - 5GHz	2.4GHz	5GHz
Measurement 0	0.0001	0.000000	0.000000	-19.013	-28.064
Measurement 1	0.0001	0.000000	0.000000	-19.004	-28
Measurement 2	0.0001	0.000000	0.000000	-19.003	-28.001
Measurement 3	0.0001	0.000000	0.000000	-19.016	-28
Measurement 4	0.0001	0.000000	0.000000	-19.007	-28
Measurement 5	0.0001	0.000000	0.000000	-19.001	-28
Measurement 6	0.0001	0.000000	0.000000	-19.002	-28
Measurement 7	0.0001	0.000000	0.000000	-19.002	-28
Measurement 8	0.0001	0.000000	0.000000	-19.003	-28
Measurement 9	0.0001	0.000000	0.000000	-19.003	-28
Measurement 10	0.0001	0.000000	0.000000	-19.002	-28
Measurement 11	0.0001	0.000000	0.000000	-19.001	-28
Measurement 12	0.0001	0.000000	0.000000	-19.002	-28
Measurement 13	0.0001	0.000000	0.000000	-19	-28
Measurement 14	0.0001	0.000000	0.000000	-19.003	-28
Measurement 15	0.0001	0.000000	0.000000	-19.003	-28



Summary		
Packet error rate must be less than 0.0001 for all points.	Reported: 0 failed	Pass



6.5.2.1 - 802.11n AP Coexistence Test	PARTS	RESULTS
		PASS

Qualifying Measurements in 802.11n		
	DUT	Alien
Throughput (Mbps)	111.653	114.341
RSSI	-18.567	-33.033

Measurements in 802.11n				
	Turned On	Same Channel	Overlapping Channel	Adjoining Channel
DUT Throughput (Mbps)	107.5940	65.6880	65.6640	109.1710
Required Throughput (Mbps)	106.07035	44.6612	44.6612	100.4877
DUT RSSI	-18.208	-18.85	-18.833	-18.983
Alien Throughput (Mbps)	N/A	45.621	45.689	32.032
Alien RSSI	N/A	-29.858	-29.017	-32.008
Alien PER	N/A	0.00213178869458336	0.00117330390997125	0.288933034470519



Summary		
Turned on throughput must be at least 95% of 111.653 Mbps.	Reported: 107.594 Mbps; Percent: 96.36%	Pass
Same channel throughput must be at least 40% of 111.653 Mbps.	Reported: 65.688 Mbps; Percent: 58.83%	Pass
Overlapping throughput must be at least 40% of 111.653 Mbps.	Reported: 65.664 Mbps; Percent: 58.81%	Pass
Adjacent throughput must be at least 90% of 111.653 Mbps.	Reported: 109.171 Mbps; Percent: 97.78%	Pass



6.5.2.2 - 802.11ac AP Coexistence Test	PARTS	RESULTS
		PASS

Qualifying Measurements in 802.11ac				
	DUT (80MHz)	DUT (40MHz)	Alien (80 MHz)	Alien (40 MHz)
Throughput (Mbps)	872.803	340.052	763.909	336.385
RSSI	-34.258	-27.992	-55.742	-44

Measurements in 802.11ac								
	Turned On		Same Channel		Overlapping Channel		Adjoining Channel	
	80 MHz	N/A	80 MHz	80 MHz	80 MHz	40 MHz	40 MHz	40 MHz
Channel Bandwidth (DUT Alien)	80 MHz	N/A	80 MHz	80 MHz	80 MHz	40 MHz	40 MHz	40 MHz
DUT Throughput (Mbps)	871.3500		670.7300		687.1460		336.6540	
Required Throughput (Mbps)	829.16285		349.1212		349.1212		306.0468	
DUT RSSI	-33.817		-32.8		-33.533		-22	
Alien Throughput (Mbps)	N/A		96.92		36.623		131.463	
Alien RSSI	N/A		-45.025		-43.017		-36.758	
Alien PER	N/A		0.679653042037654		0.716744119054208		0.0228298766508307	



Summary		
Turned on throughput must be at least 95% of 872.803 Mbps.	Reported: 871.35 Mbps; Percent: 99.83%	Pass
Same channel throughput must be at least 40% of 872.803 Mbps.	Reported: 670.73 Mbps; Percent: 76.85%	Pass
Overlapping throughput must be at least 40% of 872.803 Mbps.	Reported: 687.146 Mbps; Percent: 78.73%	Pass
Adjacent throughput must be at least 90% of 340.052 Mbps.	Reported: 336.654 Mbps; Percent: 99%	Pass



6.5.2.3 - 802.11ax 2.4GHz AP Coexistence Test	PARTS	RESULTS
		PASS

Qualifying Measurements in 802.11ax		
	DUT	Alien
Throughput (Mbps)	214.021	219.578
RSSI	-18.017	-33.008

Measurements in 802.11ax				
	Turned On	Same Channel	Overlapping Channel	Adjoining Channel
DUT Throughput (Mbps)	207.9840	126.8860	128.9750	214.0190
Required Throughput (Mbps)	203.31995	85.6084	85.6084	192.6189
DUT RSSI	-18	-18	-18	-18
Alien Throughput (Mbps)	N/A	87.728	86.692	87.718
Alien RSSI	N/A	-30.508	-29.867	-31.933
Alien PER	N/A	0.000834252506885527	0.0114699565731103	0.00332681429382959



Summary		
Turned on throughput must be at least 95% of 214.021 Mbps.	Reported: 207.984 Mbps; Percent: 97.18%	Pass
Same channel throughput must be at least 40% of 214.021 Mbps.	Reported: 126.886 Mbps; Percent: 59.29%	Pass
Overlapping throughput must be at least 40% of 214.021 Mbps.	Reported: 128.975 Mbps; Percent: 60.26%	Pass
Adjacent throughput must be at least 90% of 214.021 Mbps.	Reported: 214.019 Mbps; Percent: 100%	Pass



6.5.2.4 - 802.11ax 5GHz AP Coexistence Test	PARTS	RESULTS
		PASS

Qualifying Measurements in 802.11ax				
	DUT (80MHz)	DUT (40MHz)	Alien (80 MHz)	Alien (40 MHz)
Throughput (Mbps)	940.501	449.25	850.805	450.125
RSSI	-25	-21.008	-58.433	-52.275

Measurements in 802.11ax								
	Turned On		Same Channel		Overlapping Channel		Adjoining Channel	
	80 MHz	N/A	80 MHz	80 MHz	80 MHz	40 MHz	40 MHz	40 MHz
Channel Bandwidth (DUT Alien)	80 MHz	N/A	80 MHz	80 MHz	80 MHz	40 MHz	40 MHz	40 MHz
DUT Throughput (Mbps)	940.9920		694.2050		703.7300		441.9650	
Required Throughput (Mbps)	893.47595		376.2004		376.2004		404.325	
DUT RSSI	-35.533		-32.325		-24.992		-21.983	
Alien Throughput (Mbps)	N/A		200.864		92.901		165.363	
Alien RSSI	N/A		-50.9		-43.942		-37.275	
Alien PER	N/A		0.407340975979734		0.476454364462214		0.0815077871244987	



Summary		
Turned on throughput must be at least 95% of 940.501 Mbps.	Reported: 940.992 Mbps; Percent: 100.05%	Pass
Same channel throughput must be at least 40% of 940.501 Mbps.	Reported: 694.205 Mbps; Percent: 73.81%	Pass
Overlapping throughput must be at least 40% of 940.501 Mbps.	Reported: 703.73 Mbps; Percent: 74.83%	Pass
Adjacent throughput must be at least 90% of 449.25 Mbps.	Reported: 441.965 Mbps; Percent: 98.38%	Pass



APPENDICES

APPENDIX 1: RESULT KEY

The following table contains possible results and their meanings.

RESULT	MEANING	INTERPRETATION
PASS	Pass	The Device Under Test (DUT) was observed to exhibit conformant behavior.
FAIL	Fail	The Device Under Test (DUT) was observed to exhibit non-conformant behavior.
RTC	Refer to Comments	From the observations, a valid pass or fail was not determined. An additional explanation of the situation is included.
WARN	Warning	The DUT was observed to exhibit behavior that is not recommended.
N/S	Not Supported	The Device Under Test (DUT) was not observed to support the necessary functionality required to perform these tests or the requirement is optional and not supported by this device.
N/T	Not Tested	This test was not performed and therefore this is not a complete test report. Please see the comments for additional reasons.
N/A	Not Applicable	This test does not apply to the device type or is not applicable to the testing program selected.
INFO	Informative	Test is designed for informational purposes only. The results may help ensure the interoperability of the DUT, but are not standards requirements.



APPENDIX 2: DIGITAL SIGNATURE INFORMATION

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