Throughput Test

Test starttime:19/10 09:50:36 PM

Test Endtime:19/10 09:55:36 PM

Objective

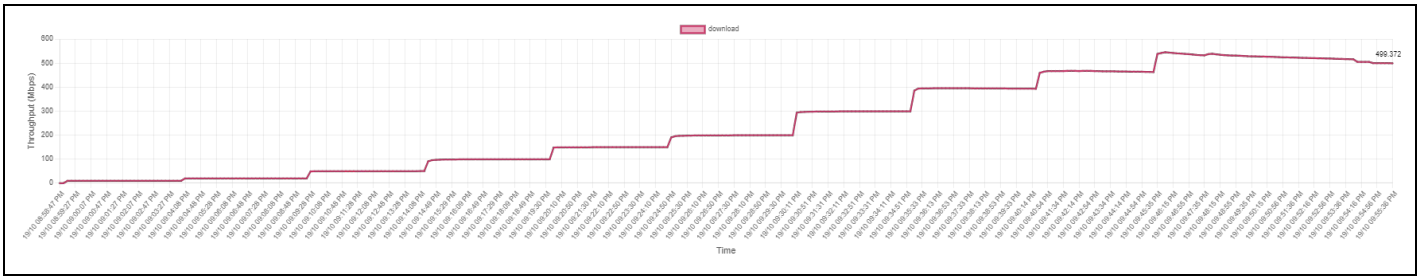
The Candela Client Capacity test is designed to measure an Access Point's client capacity and performance when handling different amounts of Real clients like android, Linux, windows, and IOS. The test allows the user to increase the number of clients in user-defined steps for each test iteration and measure the per client and the overall throughput for each trial. Along with throughput other measurements made are client connection times, Station 4-Way Handshake time, DHCP times, and more. The expected behavior is for the AP to be able to handle several stations (within the limitations of the AP specs) and make sure all Clients get a fair amount of airtime both upstream and downstream. An AP that scales well will not show a significant overall throughput decrease as more Real clients are added.

Input Parameters

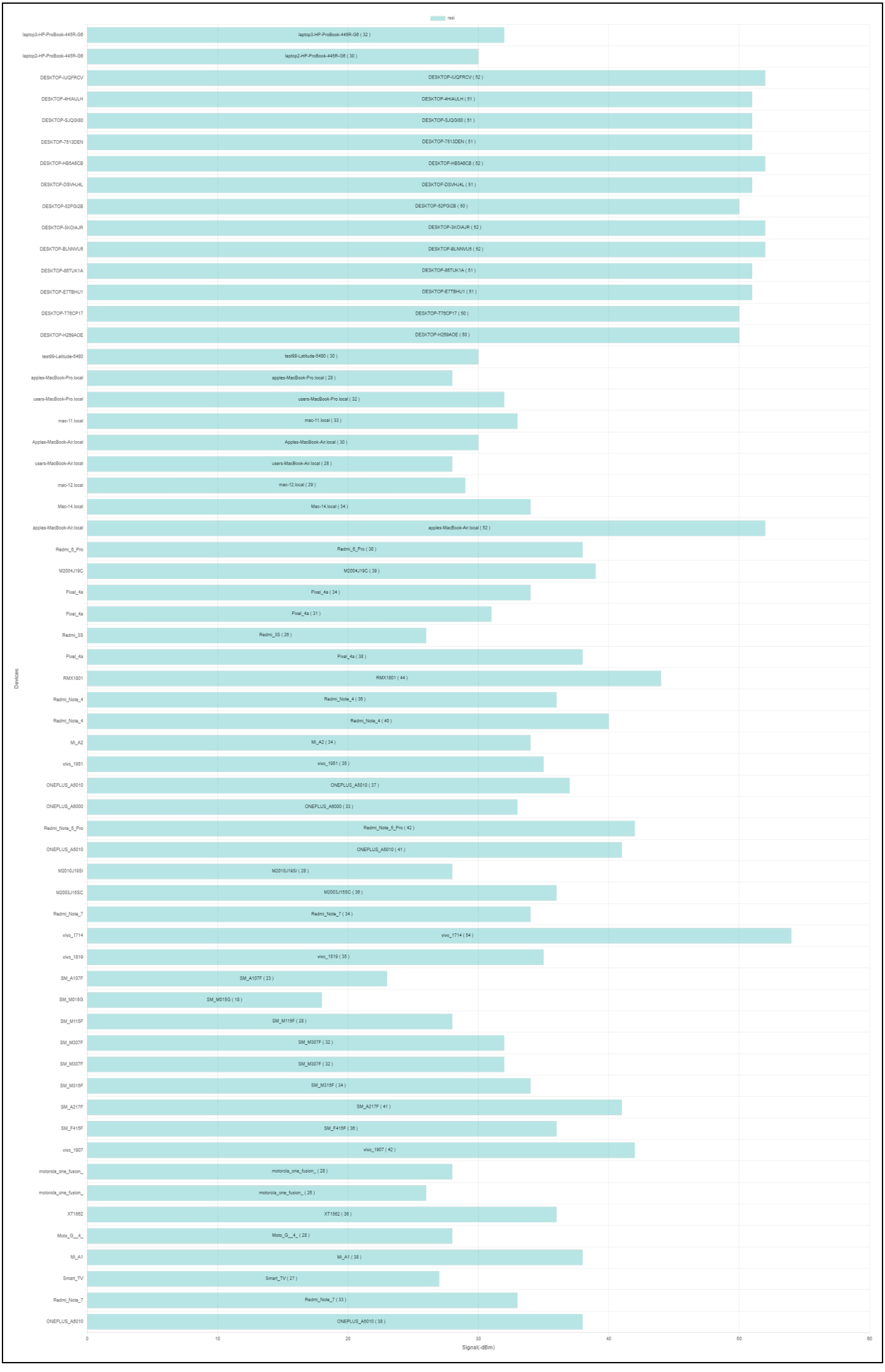
The below tables provides the input parameters for the test.

Testname	testing_tcp_test
Device List	laptop3-HP-ProBook-445R-G6(Linux),laptop2-HP-ProBook-445R-G6(Linux),DESKTOP-IUQFRCV(Windows),DESKTOP-4HIAULH(Windows),DESKTOP-SJQGI80(Windows),DESKTOP-7513DEN(Windows),DESKTOP-HB5A6CB(Windows),DESKTOP-DSVHJ4L(Windows),DESKTOP-52PGI2B(Windows),DESKTOP-3KOIAJR(Windows),DESKTOP-BLNNVU5(Windows),DESKTOP-86TUK1A(Windows),DESKTOP-E7TBHU1(Windows),DESKTOP-T76CP17(Windows),DESKTOP-H269AOE(Windows),test99-Latitude-5480(Linux),apples-MacBook-Pro.local(Mac),users-MacBook-Pro.local(Mac),mac-11.local(Mac),Apples-MacBook-Air.local(Mac),users-MacBook-Air.local(Mac),mac-12.local(Mac),Mac-14.local(Mac),apples-MacBook-Air.local(Mac),Redmi_6_Pro(Android),M2004J19C(Android),Pixel_4a(Android),Pixel_4a(Android),Redmi_3S(Android),Pixel_4a(Android),RMX1801(Android),Redmi_Note_4(Android),Redmi_Note_4(Android),Mi_A2(Android),vivo_1951(Android),ONEPLUS_A5010(Android),ONEPLUS_A6000(Android),Redmi_Note_5_Pro(Android),ONEPLUS_A5010(Android),M2010J19SI(Android),M2003J15SC(Android),Redmi_Note_7(Android),vivo_1714(Android),vivo_1819(Android),SM_A107F(Android),SM_M015G(Android),SM_M115F(Android),SM_M307F(Android),SM_M307F(Android),SM_M315F(Android),SM_A217F(Android),SM_F415F(Android),vivo_1907(Android),motorola_one_fusion_(Android),motorola_one_fusion_(Android),XT1562(Android),Moto_G__4_(Android),Mi_A1(Android),Smart_TV(Android),Redmi_Note_7(Android),ONEPLUS_A5010(Android)
No of Devices	61
Upstream Port	eth2
Increment	1,2,5,10,15,20,30,40,50,60
Duration(min)	5
Traffic Type	TCP
Traffic Direction	DOWNLOAD
Upload Rate(Mbps)	0.00256
Download Rate(Mbps)	10
SSID	-
Encryption	-
Password	-

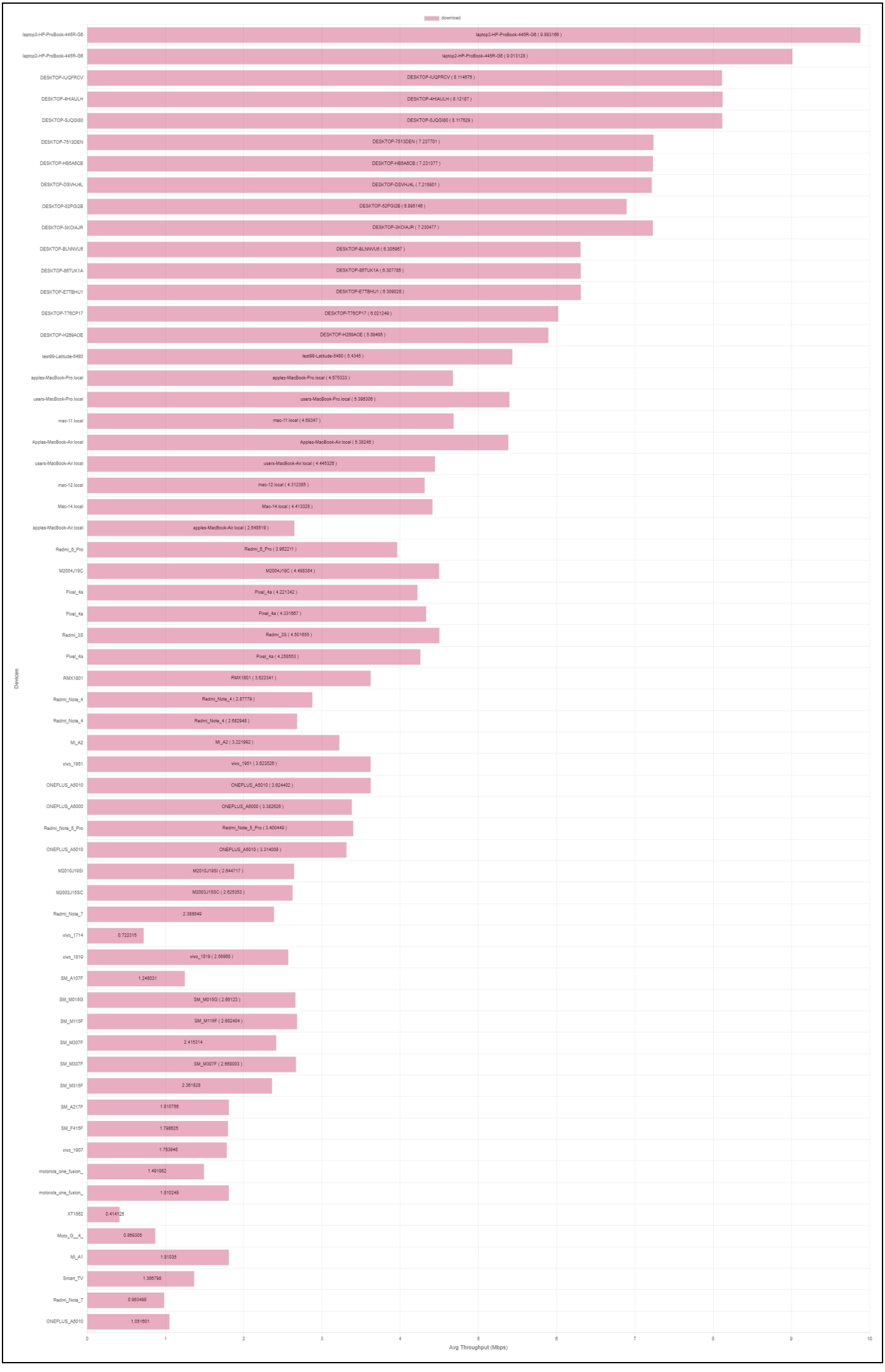
Realtime Throughput



RSSI of Clients Connected


rssi
laptop3-HP-ProBook-445R-G5
laptop2-HP-ProBook-445R-G5
DESKTOP-IUQFRCV
DESKTOP-4HIAULH
DESKTOP-SJQGI80
DESKTOP-7513DEN
DESKTOP-HB5A9CB
DESKTOP-DSVHJ4L
DESKTOP-52PGI2B
DESKTOP-3KOIAJR
DESKTOP-BLNNVU5
DESKTOP-86TUK1A
DESKTOP-E7TBHU1
DESKTOP-T76CP17
DESKTOP-H269AOE
test99-Latitude-5480
apples-MacBook-Pro.local
users-MacBook-Pro.local
mac-11.local
Apples-MacBook-Air.local
users-MacBook-Air.local
mac-12.local
Mac-14.local
apples-MacBook-Air.local
Redmi_6_Pro
M2004J19C
Pixel_4a
Pixel_4a
Redmi_3S
Pixel_4a
RMX1801
Redmi_Note_4
Redmi_Note_4
MI_A2
vivo_1951
ONEPLUS_A5010
ONEPLUS_A6000
Redmi_Note_5_Pro
ONEPLUS_A5010
M2010J19SI
M2003J15SC
Redmi_Note_7
vivo_1714
vivo_1819
SM_A107F
SM_M015G
SM_M115F
SM_M307F
SM_M307F
SM_M315F
SM_A217F
SM_F415F
vivo_1907
motorola_one_fusion_
motorola_one_fusion_
XT1562
Moto_G__4_
MI_A1
Smart_TV
Redmi_Note_7
ONEPLUS_A5010
Devices
0
10
20
30
40
50
60
Signal(-dBm)

Per Client Avg-Throughput


download
laptop3-HP-ProBook-445R-G6
laptop3-HP-ProBook-445R-G6 (9.883166)
laptop2-HP-ProBook-445R-G6
laptop2-HP-ProBook-445R-G6 (9.013128)
DESKTOP-IUQFRCV
DESKTOP-IUQFRCV (8.114676)
DESKTOP-4HIAULH
DESKTOP-4HIAULH (8.12187)
DESKTOP-SJQGI80
DESKTOP-SJQGI80 (8.117629)
DESKTOP-7513DEN
DESKTOP-7513DEN (7.237701)
DESKTOP-HB5A9CB
DESKTOP-HB5A9CB (7.231377)
DESKTOP-DSVHJ4L
DESKTOP-DSVHJ4L (7.215901)
DESKTOP-52PGI2B
DESKTOP-52PGI2B (6.895146)
DESKTOP-3KOIAJR
DESKTOP-3KOIAJR (7.230477)
DESKTOP-BLNNVU5
DESKTOP-BLNNVU5 (6.305957)
DESKTOP-86TUK1A
DESKTOP-86TUK1A (6.307785)
DESKTOP-E7TBHU1
DESKTOP-E7TBHU1 (6.309028)
DESKTOP-T76CP17
DESKTOP-T76CP17 (6.021249)
DESKTOP-H269AOE
DESKTOP-H269AOE (5.89495)
test99-Latitude-5480
test99-Latitude-5480 (5.4345)
apples-MacBook-Pro.local
apples-MacBook-Pro.local (4.675333)
users-MacBook-Pro.local
users-MacBook-Pro.local (5.396306)
mac-11.local
mac-11.local (4.68347)
Apples-MacBook-Air.local
Apples-MacBook-Air.local (5.38245)
users-MacBook-Air.local
users-MacBook-Air.local (4.445326)
mac-12.local
mac-12.local (4.312385)
Mac-14.local
Mac-14.local (4.413328)
apples-MacBook-Air.local
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Redmi_6_Pro
Redmi_6_Pro (3.962211)
M2004J19C
M2004J19C (4.499384)
Pixel_4a
Pixel_4a (4.221342)
Pixel_4a
Pixel_4a (4.331657)
Redmi_3S
Redmi_3S (4.501655)
Pixel_4a
Pixel_4a (4.258553)
RMX1801
RMX1801 (3.622341)
Redmi_Note_4
Redmi_Note_4 (2.87779)
Redmi_Note_4
Redmi_Note_4 (2.682948)
MI_A2
MI_A2 (3.221992)
vivo_1951
vivo_1951 (3.623526)
ONEPLUS_A5010
ONEPLUS_A5010 (3.624402)
ONEPLUS_A6000
ONEPLUS_A6000 (3.382626)
Redmi_Note_5_Pro
Redmi_Note_5_Pro (3.400449)
ONEPLUS_A5010
ONEPLUS_A5010 (3.314008)
M2010J19SI
M2010J19SI (2.644717)
M2003J15SC
M2003J15SC (2.625353)
Redmi_Note_7
2.388649
vivo_1714
0.722315
vivo_1819
vivo_1819 (2.56968)
SM_A107F
1.248031
SM_M015G
SM_M015G (2.66123)
SM_M115F
SM_M115F (2.682404)
SM_M307F
2.415314
SM_M307F
SM_M307F (2.668003)
SM_M315F
2.361828
SM_A217F
1.810756
SM_F415F
1.798625
vivo_1907
1.783948
motorola_one_fusion_
1.491982
motorola_one_fusion_
1.810249
XT1562
0.414125
Moto_G__4_
0.869305
MI_A1
1.81035
Smart_TV
1.366798
Redmi_Note_7
0.983498
ONEPLUS_A5010
1.051601
Devices
0
1
2
3
4
5
6
7
8
9
10
Avg Throughput (Mbps)

Detailed Result Table

The below tables provides detailed information for the throughput test on each device.

DEVICE TYPE	USERNAME	SSID	MAC	CHANNEL	MODE	PROTOCOL	DIRECTION	DL AVG THROUGHPUT	UL AVG THROUGHPUT	DL EXPECTED THROUGHPUT	UL EXPECTED THROUGHPUT	RSSI	LINK SPEED
Linux	laptop3-HP-ProBook-445R-G6	VINTROP_wpa2	d8:12:65:f5:fc:59	-1	802.11bgn-AC 80 2x2	tcp	download	9.883166064327487 Mbps	0.0025337836257309943 Mbps	10 Mbps	0.00256 Mbps	-32 dBm	866.7 Mbps
Linux	laptop2-HP-ProBook-445R-G6	VINTROP_wpa2	28:cd:c4:21:39:bb	-1	802.11bgn-AC 80 2x2	tcp	download	9.013128087719299 Mbps	0.00230588011 6959064 Mbps	10 Mbps	0.00256 Mbps	-30 dBm	866.7 Mbps
Windows	DESKTOP-IUQFRCV	VINTROP_wpa2	24:ee:9a:39:2e:61	48	AUTO 20 1x1	tcp	download	8.1146769941520 47 Mbps	0.0020067941520467836 Mbps	10 Mbps	0.00256 Mbps	-52 dBm	866 Mbps
Windows	DESKTOP-4HIAULH	VINTROP_wpa2	00:bb:60:37:87:af	136	AUTO 20 1x1	tcp	download	8.1218701111111111 Mbps	0.0020704269005847953 Mbps	10 Mbps	0.00256 Mbps	-51 dBm	866 Mbps
Windows	DESKTOP-SJQGI80	VINTROP_wpa2	74:e5:f9:f6:d1:f0	136	AUTO 20 1x1	tcp	download	8.1176297280 70176 Mbps	0.0020679181286549705 Mbps	10 Mbps	0.00256 Mbps	-51 dBm	866 Mbps
Windows	DESKTOP-7513DEN	VINTROP_wpa2	b8:08:cf:59:2f:c8	48	AUTO 20 1x1	tcp	download	7.237701997076023 Mbps	0.0018415994152046783 Mbps	10 Mbps	0.00256 Mbps	-51 dBm	866 Mbps
Windows	DESKTOP-HB5A6CB	VINTROP_wpa2	dc:8b:28:28:d7:64	48	AUTO 20 1x1	tcp	download	7.2313772485380 12 Mbps	0.0018404736842105261 Mbps	10 Mbps	0.00256 Mbps	-52 dBm	866 Mbps
Windows	DESKTOP-DSVHJ4L	VINTROP_wpa2	34:f3:9a:eb:46:b4	48	AUTO 20 1x1	tcp	download	7.2159012953216 38 Mbps	0.0018418070175438598 Mbps	10 Mbps	0.00256 Mbps	-51 dBm	866 Mbps
Windows	DESKTOP-52PGI2B	VINTROP_wpa2	28:cd:c4:ca:b5:a3	48	AUTO 20 1x1	tcp	download	6.8951462339181 29 Mbps	0.0018196666666666667 Mbps	10 Mbps	0.00256 Mbps	-50 dBm	866 Mbps
Windows	DESKTOP-3KOIAJR	VINTROP_wpa2	f4:8c:50:e2:01:67	48	AUTO 20 1x1	tcp	download	7.2304770760233 92 Mbps	0.0018400350877192983 Mbps	10 Mbps	0.00256 Mbps	-52 dBm	866 Mbps
Windows	DESKTOP-BLNNVU5	VINTROP_wpa2	34:41:5d:51:d1:96	48	AUTO 20 1x1	tcp	download	6.3059676432748 54 Mbps	0.0016066491228070177 Mbps	10 Mbps	0.00256 Mbps	-52 dBm	866 Mbps
Windows	DESKTOP-86TUK1A	VINTROP_wpa2	ac:ed:5c:36:a6:1e	136	AUTO 20 1x1	tcp	download	6.3077852456140 35 Mbps	0.001606529239766082 Mbps	10 Mbps	0.00256 Mbps	-51 dBm	866 Mbps
Windows	DESKTOP-E7TBHU1	VINTROP_wpa2	b4:69:21:62:bf:3d	136	AUTO 20 1x1	tcp	download	6.3090287280701 75 Mbps	0.0016067368421052632 Mbps	10 Mbps	0.00256 Mbps	-51 dBm	866 Mbps
Windows	DESKTOP-T76CP17	VINTROP_wpa2	28:cd:c4:9a:80:33	48	AUTO 20 1x1	tcp	download	6.0212490438596 49 Mbps	0.001605859649122807 Mbps	10 Mbps	0.00256 Mbps	-50 dBm	866 Mbps
Windows	DESKTOP-H269AOE	VINTROP_wpa2	d8:12:65:b7:82:eb	48	AUTO 20 1x1	tcp	download	5.8949508567251 46 Mbps	0.0016056198830409357 Mbps	10 Mbps	0.00256 Mbps	-50 dBm	866 Mbps
Linux	test99-Latitude-5480	VINTROP_wpa2	00:24:d6:df:e7:f1	-1	802.11bgn-AC 80 2x2	tcp	download	5.4345003216374 27 Mbps	0.0013830467836257731 Mbps	10 Mbps	0.00256 Mbps	-30 dBm	866.7 Mbps
Mac	apples-MacBook-Pro.local	VINTROP_wpa2	98:01:a7:b6:7f:91	48	802.11abgn-AC 80 3x3	tcp	download	4.6753330497076 03 Mbps	0.0013718567251461988 Mbps	10 Mbps	0.00256 Mbps	-28 dBm	1300 Mbps
Mac	users-MacBook-Pro.local	VINTROP_wpa2	60:f8:1d:b6:71:70	48	802.11abgn-AC 80 3x3	tcp	download	5.3963067456140 354 Mbps	0.0013716023391812866 Mbps	10 Mbps	0.00256 Mbps	-32 dBm	1170 Mbps
Mac	mac-11.local	VINTROP_wpa2	ac:bc:32:77:dc:99	48	802.11abg 80	tcp	download	4.6834708947363 43 Mbps	0.0013716900585479532 Mbps	10 Mbps	0.00256 Mbps	-33 dBm	176 Mbps
Mac	Apples-MacBook-Air.local	VINTROP_wpa2	64:76:ba:9e:71:08	48	802.11abgn-AC 80 2x2	tcp	download	5.3824604590643 27 Mbps	0.0013725146198830 41 Mbps	10 Mbps	0.00256 Mbps	-30 dBm	867 Mbps
Mac	users-MacBook-Air.local	VINTROP_wpa2	48:bf:6b:d4:60:5a	48	802.11abgn 80 2x2	tcp	download	4.4453260029239 76 Mbps	0.0011341081871345 03 Mbps	10 Mbps	0.00256 Mbps	-28 dBm	702 Mbps
Mac	mac-12.local	VINTROP_wpa2	84:38:35:55:58:3c	48	802.11abgn-AC 80 2x2	tcp	download	4.3123858625730 99 Mbps	0.0011375175438596492 Mbps	10 Mbps	0.00256 Mbps	-29 dBm	867 Mbps
Mac	Mac-14.local	VINTROP_wpa2	a0:99:9b:1c:ff:69	48	802.11abgn-AC 80 3x3	tcp	download	4.4133281578947 37 Mbps	0.0011375994152046784 Mbps	10 Mbps	0.00256 Mbps	-34 dBm	1300 Mbps
Mac	apples-MacBook-Air.local	VINTROP_wpa2	94:f6:d6:1d:0f:12	48	802.11abgn-AC 80	tcp	download	2.6485190175438 6 Mbps	0.0011359502923976 61 Mbps	10 Mbps	0.00256 Mbps	-52 dBm	434 Mbps
Android	Redmi_6_Pro	VINTROP_wpa2	20:a6:0c:bd:3c:38	48	AUTO 20	tcp	download	3.9622116666666667 Mbps	0.0011488859649122808 Mbps	10 Mbps	0.00256 Mbps	-38 dBm	
Android	M2004J19C	VINTROP_wpa2	dc:b7:2e:21:d7:fc	48	AUTO 20	tcp	download	4.4983846052631575 Mbps	0.0011491491228070177 Mbps	10 Mbps	0.00256 Mbps	-39 dBm	433 Mbps
Android	Pixel_4a	VINTROP_wpa2	02:00:00:00:00:00	136	802.11abgn-AC 80	tcp	download	4.2213427660818 72 Mbps	0.0011486666666666668 Mbps	10 Mbps	0.00256 Mbps	-34 dBm	780 Mbps
Android	Pixel_4a	VINTROP_wpa2	02:00:00:00:00:00	48	802.11abgn-AC 80	tcp	download	4.3316679824561 4 Mbps	0.0011486812865497077 Mbps	10 Mbps	0.00256 Mbps	-31 dBm	866 Mbps
Android	Redmi_3S	VINTROP_wpa2	74:23:44:40:e7:93	1	AUTO 20	tcp	download	4.5016551578947 37 Mbps	0.0011490497076023392 Mbps	10 Mbps	0.00256 Mbps	-26 dBm	
Android	Pixel_4a	VINTROP_wpa2	02:00:00:00:00:00	48	802.11abgn-AC 80	tcp	download	4.2585538742690 06 Mbps	0.0011491549707602 34 Mbps	10 Mbps	0.00256 Mbps	-38 dBm	866 Mbps
Android	RMX1801	VINTROP_wpa2	b6:77:75:64:9a:20	48	AUTO 20	tcp	download	3.6223417426900584 Mbps	0.0009228918128654 97 Mbps	10 Mbps	0.00256 Mbps	-44 dBm	433 Mbps
Android	Redmi_Note_4	VINTROP_wpa2	f4:f5:db:a2:93:8b	48	AUTO 20	tcp	download	2.8777904298245613 Mbps	0.0009229970760233918 Mbps	10 Mbps	0.00256 Mbps	-36 dBm	
Android	Redmi_Note_4	VINTROP_wpa2	e4:46:da:16:78:5b	48	AUTO 20	tcp	download	2.6829481900584797 Mbps	0.0009233771929824562 Mbps	10 Mbps	0.00256 Mbps	-40 dBm	
Android	Mi_A2	VINTROP_wpa2	16:16:76:b2:61:e3	136	AUTO 20	tcp	download	3.2219926286549 71 Mbps	0.0009236286549707602 Mbps	10 Mbps	0.00256 Mbps	-34 dBm	433 Mbps
Android	vivo_1951	VINTROP_wpa2	f2:39:2c:aa:d9:dd	136	802.11abgn-AC 80	tcp	download	3.6235261315789473 Mbps	0.0009230672514619883 Mbps	10 Mbps	0.00256 Mbps	-35 dBm	433 Mbps
Android	ONEPLUS_A5010	VINTROP_wpa2	6e:26:77:b0:58:fd	136	AUTO 20	tcp	download	3.6244028654970 76 Mbps	0.0009232017543859 65 Mbps	10 Mbps	0.00256 Mbps	-37 dBm	866 Mbps
Android	ONEPLUS_A6000	VINTROP_wpa2	a6:c9:9c:9d:b9:c8	48	802.11abgn-AC 80	tcp	download	3.3826269356725147 Mbps	0.0009235526315789474 Mbps	10 Mbps	0.00256 Mbps	-33 dBm	866 Mbps

Android	Redmi_Note_5_Pro	VINTROP_wpa2	d8:32:e3:4d:57:ce	48	AUTO 20	tcp	download	3.40044900877193 Mbps	0.0009223538011695906 Mbps	10 Mbps	0.00256 Mbps	-42 dBm	
Android	ONEPLUS_A5010	VINTROP_wpa2	e6:47:0a:32:bb:cc	48	AUTO 20	tcp	download	3.3140081315789476 Mbps	0.0009229210526315789 Mbps	10 Mbps	0.00256 Mbps	-41 dBm	866 Mbps
Android	M2010J19SI	VINTROP_wpa2	8c:d9:d6:78:d3:d8	48	802.11abgn-AC 80	tcp	download	2.6447171608187134 Mbps	0.0008405730994152046 Mbps	10 Mbps	0.00256 Mbps	-28 dBm	433 Mbps
Android	M2003J15SC	VINTROP_wpa2	9c:28:f7:b4:4d:05	48	AUTO 20	tcp	download	2.625353888888889 Mbps	0.0006848245614035089 Mbps	10 Mbps	0.00256 Mbps	-36 dBm	433 Mbps
Android	Redmi_Note_7	VINTROP_wpa2	20:34:fb:41:3f:a5	136	AUTO 20	tcp	download	2.3886499707602336 Mbps	0.0006846929824561404 Mbps	10 Mbps	0.00256 Mbps	-34 dBm	96 Mbps
Android	vivo_1714	VINTROP_wpa2	94:14:7a:a0:3e:03	48	AUTO 20	tcp	download	0.7223150584795321 Mbps	0.0006838684210526316 Mbps	10 Mbps	0.00256 Mbps	-54 dBm	
Android	vivo_1819	VINTROP_wpa2	8a:84:d1:f8:44:90	48	802.11abgn-AC 80	tcp	download	2.569680125730994 Mbps	0.000683733918128655 Mbps	10 Mbps	0.00256 Mbps	-35 dBm	433 Mbps
Android	SM_A107F	VINTROP_wpa2	a2:64:8e:a3:62:91	1	802.11abgn 20	tcp	download	1.2480315906432748 Mbps	0.0006831754385964912 Mbps	10 Mbps	0.00256 Mbps	-23 dBm	78 Mbps
Android	SM_M015G	VINTROP_wpa2	a6:ca:6c:00:db:b6	1	802.11abgn 20	tcp	download	2.6612305350877192 Mbps	0.000683953216374269 Mbps	10 Mbps	0.00256 Mbps	-18 dBm	72 Mbps
Android	SM_M115F	VINTROP_wpa2	88:a3:03:da:a4:4a	1	802.11abgn 20	tcp	download	2.6824046666666663 Mbps	0.0006839795321637427 Mbps	10 Mbps	0.00256 Mbps	-28 dBm	72 Mbps
Android	SM_M307F	VINTROP_wpa2	76:85:75:13:cd:f8	48	802.11abgn-AC 80	tcp	download	2.4153142514619885 Mbps	0.0006167631578947369 Mbps	10 Mbps	0.00256 Mbps	-32 dBm	433 Mbps
Android	SM_M307F	VINTROP_wpa2	ba:aa:a5:21:96:04	48	802.11abgn-AC 80	tcp	download	2.6680037660818714 Mbps	0.0006840994152046784 Mbps	10 Mbps	0.00256 Mbps	-32 dBm	433 Mbps
Android	SM_M315F	VINTROP_wpa2	8e:5a:0b:9b:b1:47	48	AUTO 20	tcp	download	2.361828067251462 Mbps	0.0006823099415204679 Mbps	10 Mbps	0.00256 Mbps	-34 dBm	433 Mbps
Android	SM_A217F	VINTROP_wpa2	04:bd:bf:17:2e:b6	136	802.11abgn-AC 80	tcp	download	1.8107565497076021 Mbps	0.00045955555555555555 Mbps	10 Mbps	0.00256 Mbps	-41 dBm	433 Mbps
Android	SM_F415F	VINTROP_wpa2	56:5d:95:3f:99:4b	48	802.11abgn-AC 80	tcp	download	1.798625970760234 Mbps	0.000458078947368421 Mbps	10 Mbps	0.00256 Mbps	-36 dBm	433 Mbps
Android	vivo_1907	VINTROP_wpa2	08:7f:98:a4:68:fb	48	802.11abgn-AC 80	tcp	download	1.7839488011695905 Mbps	0.0004591812865497076 Mbps	10 Mbps	0.00256 Mbps	-42 dBm	390 Mbps
Android	motorola_one_fusion_	VINTROP_wpa2	58:d9:c3:87:d8:04	48	802.11abgn-AC 80	tcp	download	1.491982245614035 Mbps	0.00045749415204678366 Mbps	10 Mbps	0.00256 Mbps	-28 dBm	433 Mbps
Android	motorola_one_fusion_	VINTROP_wpa2	90:73:5a:d2:f2:f6	136	802.11abgn-AC 80	tcp	download	1.8102498450292397 Mbps	0.0004578830409356725 Mbps	10 Mbps	0.00256 Mbps	-26 dBm	433 Mbps
Android	XT1562	VINTROP_wpa2	88:79:7e:bd:bc:f6	48	AUTO 20	tcp	download	0.41412509356725147 Mbps	0.000458219298245614 Mbps	10 Mbps	0.00256 Mbps	-36 dBm	
Android	Moto_G__4_	VINTROP_wpa2	88:79:7e:72:7d:82	48	AUTO 20	tcp	download	0.8693051228070175 Mbps	0.0004586198830409357 Mbps	10 Mbps	0.00256 Mbps	-28 dBm	
Android	Mi_A1	VINTROP_wpa2	38:e6:0a:d1:22:ba	136	AUTO 20	tcp	download	1.8103505321637428 Mbps	0.0004589298245614035 Mbps	10 Mbps	0.00256 Mbps	-38 dBm	
Android	Smart_TV	VINTROP_wpa2	38:c8:04:57:c2:ef	48	802.11abg 20	tcp	download	1.3667989005847954 Mbps	0.0004589327485380117 Mbps	10 Mbps	0.00256 Mbps	-27 dBm	300 Mbps
Android	Redmi_Note_7	VINTROP_wpa2	20:34:fb:72:46:c5	136	AUTO 20	tcp	download	0.9834988070175438 Mbps	0.0004593187134502924 Mbps	10 Mbps	0.00256 Mbps	-33 dBm	433 Mbps
Android	ONEPLUS_A5010	VINTROP_wpa2	06:25:b4:f4:97:0b	48	AUTO 20	tcp	download	1.051601081871345 Mbps	0.0003616695906432748 Mbps	10 Mbps	0.00256 Mbps	-38 dBm	866 Mbps