FTP Test

2023-12-15-12:13:26

Test Setup Information
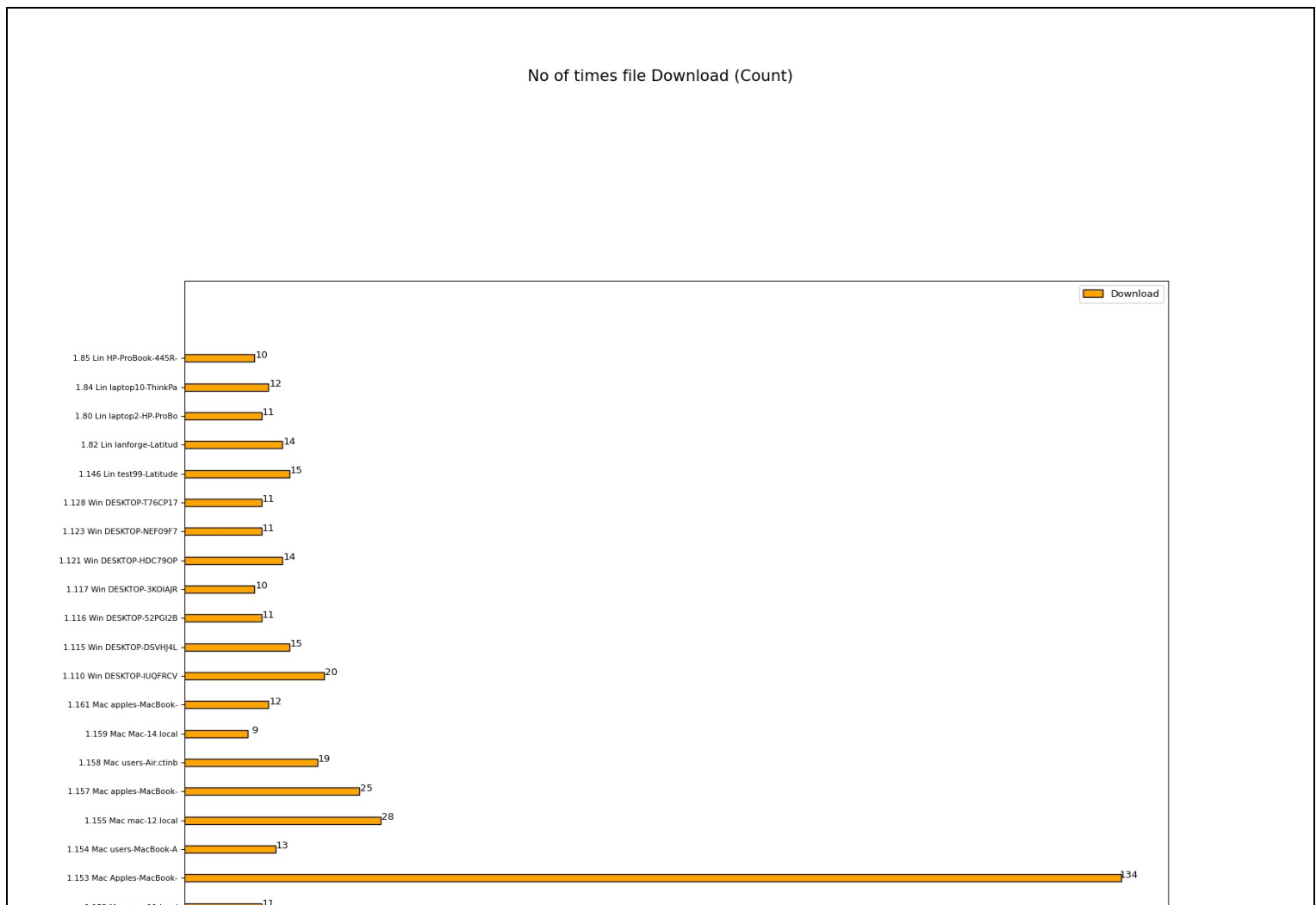
Test Setup Information	AP Name	Test_DUT
	SSID	VINTROP_wpa2
	Security	wpa2
	No of Devices	52
	File size	10MB
	File location	/home/lanforge
	Traffic Direction	Download
	Traffic Duration	10.0m

Objective

This FTP Test is used to Verify that N clients connected on Specified band and can simultaneously download/upload some amount of file from FTP server and measuring the time taken by client to Download/Upload the file.
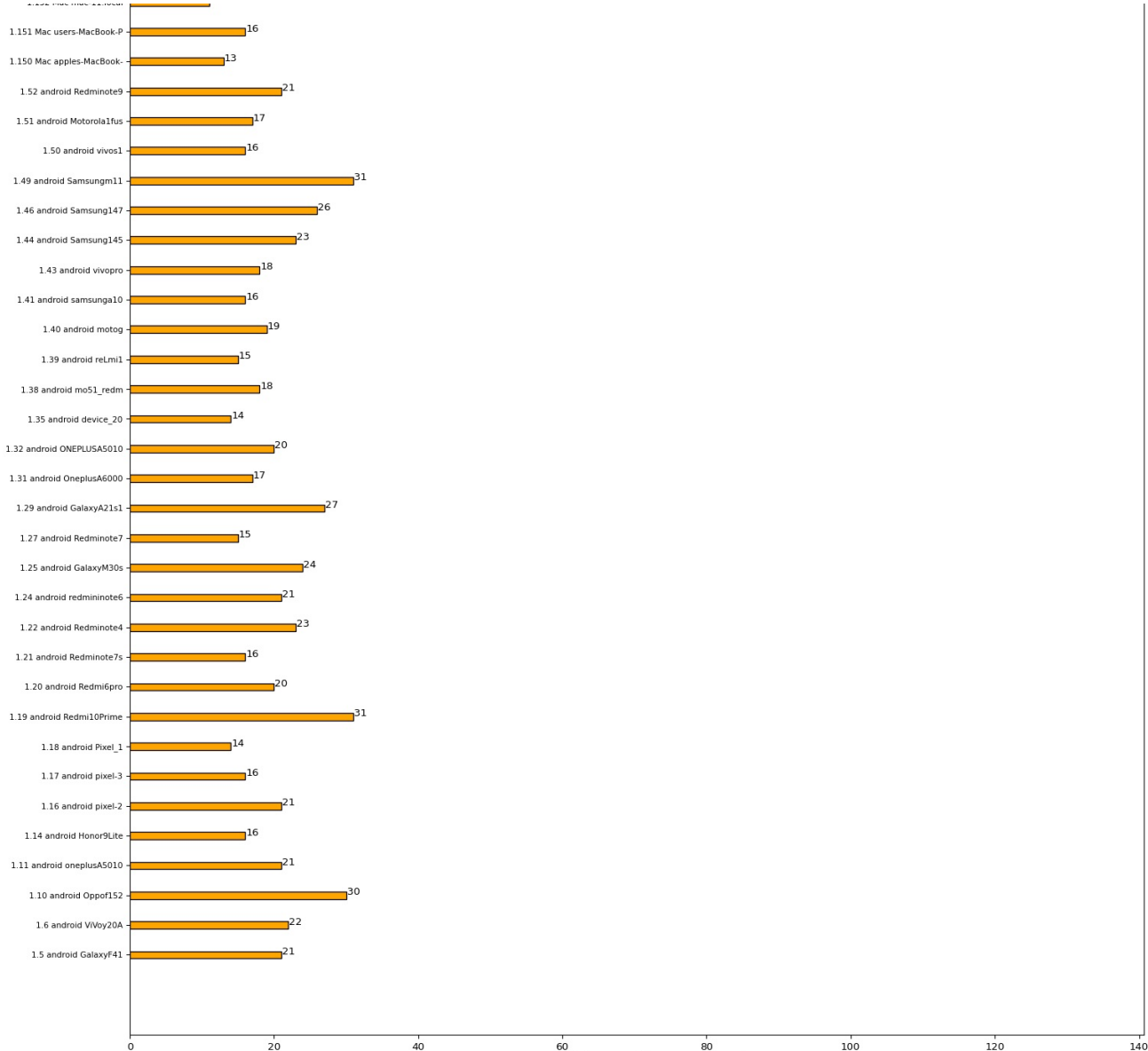
No of times file Download

The below graph represents number of times a file Download for each client(WiFi) traffic. X- axis shows "No of times file Download" and Y-axis shows Client names.
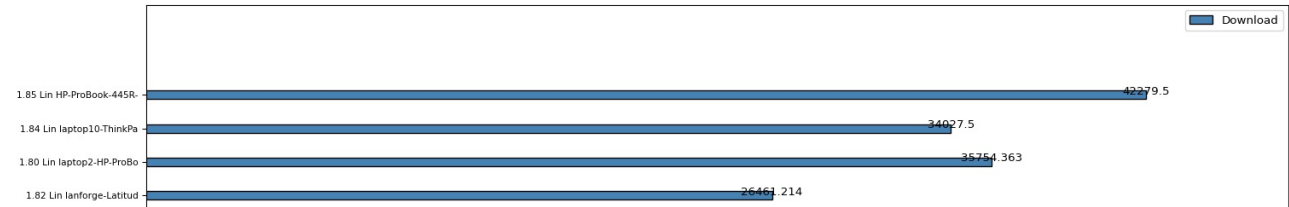
The chart shows "No of times file Download" on the X-axis and "Client names" on the Y-axis, with the following values:

- 1.151 Mac users-MacBook-P: 16
- 1.150 Mac apples-MacBook-: 13
- 1.52 android Redminote9: 21
- 1.51 android Motorola1fus: 17
- 1.50 android vivos1: 16
- 1.49 android Samsungm11: 31
- 1.46 android Samsung147: 26
- 1.44 android Samsung145: 23
- 1.43 android vivopro: 18
- 1.41 android samsunga10: 16
- 1.40 android motog: 19
- 1.39 android reLmi1: 15
- 1.38 android mo51_redm: 18
- 1.35 android device_20: 14
- 1.32 android ONEPLUSA5010: 20
- 1.31 android OneplusA6000: 17
- 1.29 android GalaxyA21s1: 27
- 1.27 android Redminote7: 15
- 1.25 android GalaxyM30s: 24
- 1.24 android redmininote6: 21
- 1.22 android Redminote4: 23
- 1.21 android Redminote7s: 16
- 1.20 android Redmi6pro: 20
- 1.19 android Redmi10Prime: 31
- 1.18 android Pixel_1: 14
- 1.17 android pixel-3: 16
- 1.16 android pixel-2: 21
- 1.14 android Honor9Lite: 16
- 1.11 android oneplusA5010: 21
- 1.10 android Oppof152: 30
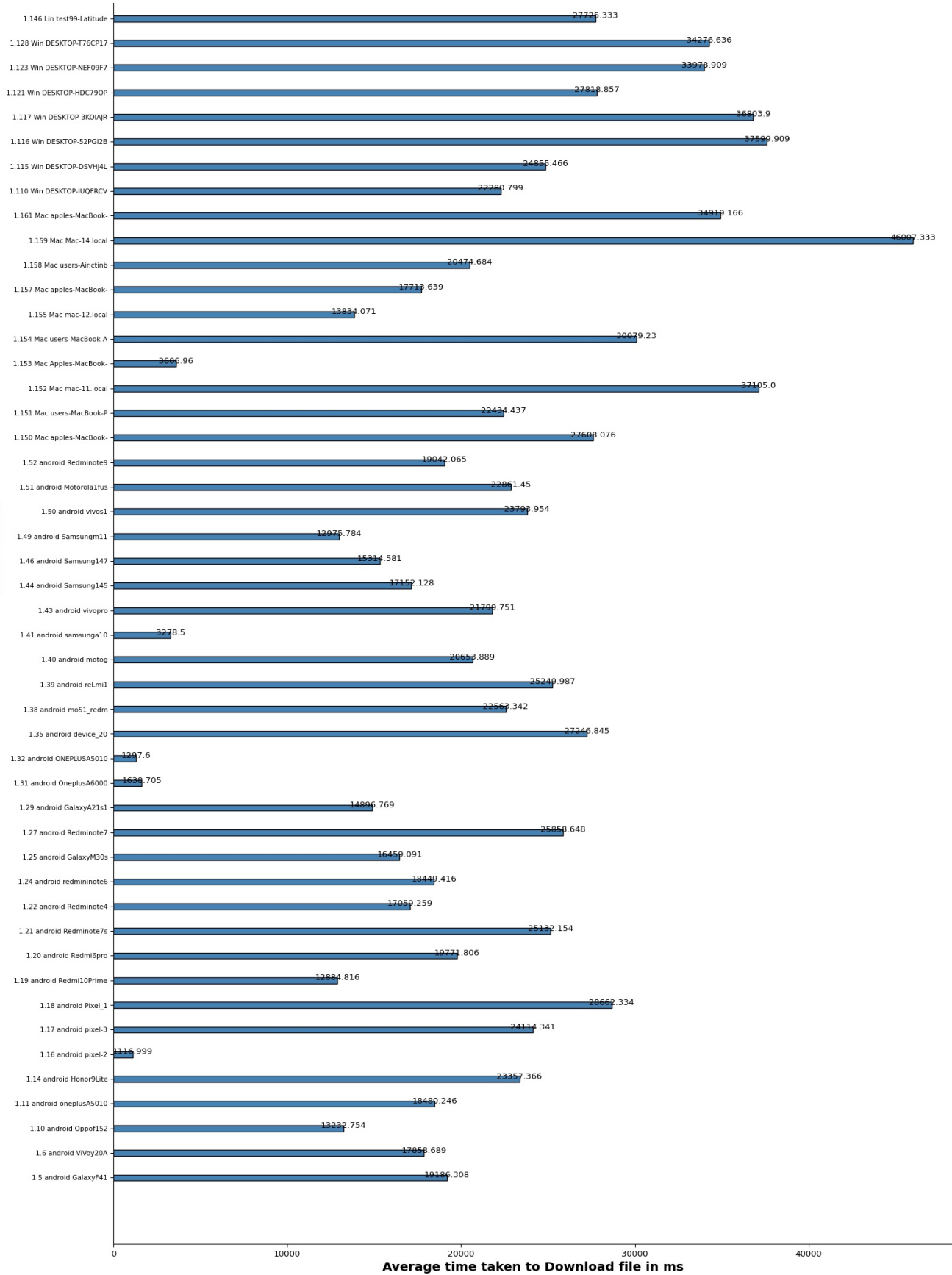- 1.6 android ViVoy20A: 22
- 1.5 android GalaxyF41: 21

Average time taken to Download file

The below graph represents average time taken to Download for each client (WiFi) traffic. X- axis shows "Average time taken to Download a file " and Y-axis shows Client names.

Average time taken to Download file

- 1.85 Lin HP-ProBook-445R-: 42279.5
- 1.84 Lin laptop10-ThinkPa: 34027.5
- 1.80 Lin laptop2-HP-ProBo: 35754.363
- 1.82 Lin lanforge-Latitud: 26461.214

Average time taken to Download file in ms

Chart data (Client names and average download time in ms):

Client name	Average time (ms)
1.146 Lin test99-Latitude	27725.333
1.128 Win DESKTOP-T76CP17	34276.636
1.123 Win DESKTOP-NEF09F7	33978.909
1.121 Win DESKTOP-HDC79OP	27818.857
1.117 Win DESKTOP-3KOIAJR	36803.9
1.116 Win DESKTOP-52PGI2B	37599.909
1.115 Win DESKTOP-DSVHJ4L	24855.466
1.110 Win DESKTOP-IUQFRCV	22280.799
1.161 Mac apples-MacBook-	34910.166
1.159 Mac Mac-14.local	46007.333
1.158 Mac users-Air.ctinb	20474.684
1.157 Mac apples-MacBook-	17713.639
1.155 Mac mac-12.local	13834.071
1.154 Mac users-MacBook-A	30079.23
1.153 Mac Apples-MacBook-	3606.96
1.152 Mac mac-11.local	37105.0
1.151 Mac users-MacBook-P	22434.437
1.150 Mac apples-MacBook-	27608.076
1.52 android Redminote9	19042.065
1.51 android Motorola1fus	22861.45
1.50 android vivos1	23793.954
1.49 android Samsungm11	12975.784
1.46 android Samsung147	15314.581
1.44 android Samsung145	17152.128
1.43 android vivopro	21790.751
1.41 android samsunga10	3278.5
1.40 android motog	20653.889
1.39 android reLmi1	25240.987
1.38 android mo51_redm	22563.342
1.35 android device_20	27246.845
1.32 android ONEPLUSA5010	1297.6
1.31 android OneplusA6000	1638.705
1.29 android GalaxyA21s1	14896.769
1.27 android Redminote7	25858.648
1.25 android GalaxyM30s	16450.091
1.24 android redmininote6	18440.416
1.22 android Redminote4	17059.259
1.21 android Redminote7s	25132.154
1.20 android Redmi6pro	19771.806
1.19 android Redmi10Prime	12884.816
1.18 android Pixel_1	20662.334
1.17 android pixel-3	24114.341
1.16 android pixel-2	1116.999
1.14 android Honor9Lite	23357.366
1.11 android oneplusA5010	18480.246
1.10 android Oppof152	13232.754
1.6 android ViVoy20A	17053.689
1.5 android GalaxyF41	19186.308

File Download/Upload Time (sec)

The below table will provide information of minimum, maximum and the average time taken by clients to download/upload a file in seconds

Band	Minimum	Maximum	Average
5G	0.1	116.0	22.5

Overall Results

Clients	MAC	Channel	Mode	No of times File downloaded	Time Taken to Download file (ms)
1.5 android GalaxyF41	e2:6f:8a:5a:62:cb	11	802.11abgn 20	21	19186.308
1.6 android ViVoy20A	d4:ec:ab:74:b8:dd	149	802.11abgn 40	22	17858.689
1.10 android Oppof152	6e:60:b6:99:18:8	11	802.11abgn 20	30	13232.754
1.11 android oneplusA5010	e6:d7:30:57:da:a3	149	AUTO 20	21	18480.246
1.14 android Honor9Lite	c4:9f:4c:fc:9b:f3	11	AUTO 20	16	23357.366
1.16 android pixel-2	02:00:00:00:00:00	149	802.11abgn-AC 40	21	1116.999
1.17 android pixel-3	02:00:00:00:00:00	149	802.11abgn-AC 40	16	24114.341
1.18 android Pixel_1	02:00:00:00:00:00	149	802.11abgn-AC 40	14	28662.334
1.19 android Redmi10Prime	62:f3:bf:1d:b1:93	149	802.11abgn-AC 40	31	12884.816
1.20 android Redmi6pro	:a6:0c:bd:3c:38	149	AUTO 20	20	19771.806
1.21 android Redminote7s	b4:c4:fc:9b:1f:38	149	AUTO 20	16	25132.154
1.22 android Redminote4	e4:46:da:16:78:5b	149	AUTO 20	23	17059.259
1.24 android redmininote6	88:79:7e:bd:bc:f6	149	AUTO 20	21	18449.416
1.25 android GalaxyM30s	4e:57:a0:4c:93:0f	11	802.11abgn 20	24	16459.091
1.27 android Redminote7	0:34:fb:72:46:c5	149	AUTO 20	15	25858.648
1.29 android GalaxyA21s1	36:53:e6:90:72:5a	11	802.11abgn 20	27	14896.769
1.31 android OneplusA6000	d6:e0:ba:45:ec:9e	149	802.11abgn-AC 40	17	1638.705
1.32 android ONEPLUSA5010	86:b9:f2:33:70:db	149	AUTO 20	20	1297.600
1.35 android device_20	c4:40:f6:ab:19:7	149	802.11abgn-AC 40	14	27246.845
1.38 android mo51_redm	dc:b7:2e:21:d7:fc	149	AUTO 20	18	22563.342
1.39 android reLmi1	7c:6b:9c:2a:d7:d	149	AUTO 20	15	25249.987
1.40 android motog	88:79:7e:72:7d:82	149	AUTO 20	19	20653.889
1.41 android samsunga10	32:a1:94:e9:69:25	11	802.11abgn 20	16	3278.500
1.43 android vivopro	26:19:c4:93:17:ce	149	802.11abgn-AC 40	18	21799.751
1.44 android Samsung145	ae:a9:eb:9e:78:c9	11	802.11abgn 20	23	17152.128
1.46 android Samsung147	ca:5e:d6:e7:82:3d	149	AUTO 20	26	15314.581
1.49 android Samsungm11	88:a3:03:da:a4:4a	11	802.11abgn 20	31	12975.784
1.50 android vivos1	26:5f:3e:90:a1:bc	149	802.11abgn-AC 40	16	23793.954
1.51 android Motorola1fus	ea:96:a5:42:bd:b	149	802.11abgn-AC 40	17	22861.450
1.52 android Redminote9	9c:28:f7:b4:4d:0	149	AUTO 20	21	19042.065
1.150 Mac apples-MacBook-	98:01:a7:b6:7f:9	-1	802.11bgn-AC 80 2x2	13	27608.076
1.151 Mac users-MacBook-P	60:f8:1d:b6:71:70	149	802.11an-AC 80 2x2	16	22434.437
1.152 Mac mac-11.local	ac:bc:32:77:dc:99	149	802.11an-AC 80 2x2	11	37105.000
1.153 Mac Apples-MacBook-	64:76:ba:9e:71:08	149	802.11an-AC 80 2x2	134	3606.960
1.154 Mac users-MacBook-A	8:bf:6b:d4:60:5a	149	AUTO 20 1x1	13	30079.230
1.155 Mac mac-12.local	84:38:35:55:58:3c	149	AUTO 20 1x1	28	13834.071
1.157 Mac apples-MacBook-	ac:bc:32:8c:15:2d	149	AUTO 20 1x1	25	17713.639
1.158 Mac users-Air.ctinb	c8:69:cd:9e:4f:6c	149	AUTO 20 1x1	19	20474.684
1.159 Mac Mac-14.local	a0:99:9b:1c:ff:6	149	AUTO 20 1x1	9	46007.333
1.161 Mac apples-MacBook-	94:f6:d6:1d:0f:12	149	AUTO 20 1x1	12	34919.166

1.110 Win DESKTOP-IUQFRCV	24:ee:9a:39:2e:6	149	AUTO 20 1x1	20	22280.799
1.115 Win DESKTOP-DSVHJ4L	34:f3:9a:eb:46:b4	-1	802.11bgn-AC 80 2x2	15	24855.466
1.116 Win DESKTOP-52PGI2B	28:cd:c4:ca:b5:a3	149	802.11abgn 20 3x3	11	37599.909
1.117 Win DESKTOP-3KOIAJR	f4:8c:50:e2:01:6	149	802.11abgn 20 3x3	10	36803.900
1.121 Win DESKTOP-HDC79OP	d8:12:65:4c:81:15	149	802.11abgn-AC 20	14	27818.857
1.123 Win DESKTOP-NEF09F7	d8:12:65:d2:27:ed	149	802.11abgn-AC 20 2x2	11	33978.909
1.128 Win DESKTOP-T76CP17	:cd:c4:9a:80:33	149	802.11abgn-AC 20 2x2	11	34276.636
1.146 Lin test99-Latitude	00:24:d6:61:2c:f	149	802.11abgn-AC 20 2x2	15	27725.333
1.82 Lin lanforge-Latitud	f0:d5:bf:0f:23:	149	802.11abgn-AC 20 3x3	14	26461.214
1.80 Lin laptop2-HP-ProBo	28:cd:c4:e6:77:bb	149	802.11abgn-AC 20	11	35754.363
1.84 Lin laptop10-ThinkPa	:45:20:4f:c9:50	149	802.11abgn-AC 20 3x3	12	34027.500
1.85 Lin HP-ProBook-445R-	d8:12:65:ab:4a:eb	149	802.11abgn-AC 20	10	42279.500