

Basic WiFi 6/7 Connection Test v0



Data Connection

Connection

Connection type
Device interface

WIFI

WIFI
wlan0



WiFi Network

Primary signal

SSID
BSSID
Technology
Supplicant state
Supplicant capabilities
Security

WIFI/dom_24/c0:06:c3:29:35:0f

dom_24
[c0:06:c3:29:35:0f](#)
WiFi 5/AC867
COMPLETED
[RSN-PSK-CCMP][ESS][WPS]
WPA2-Personal

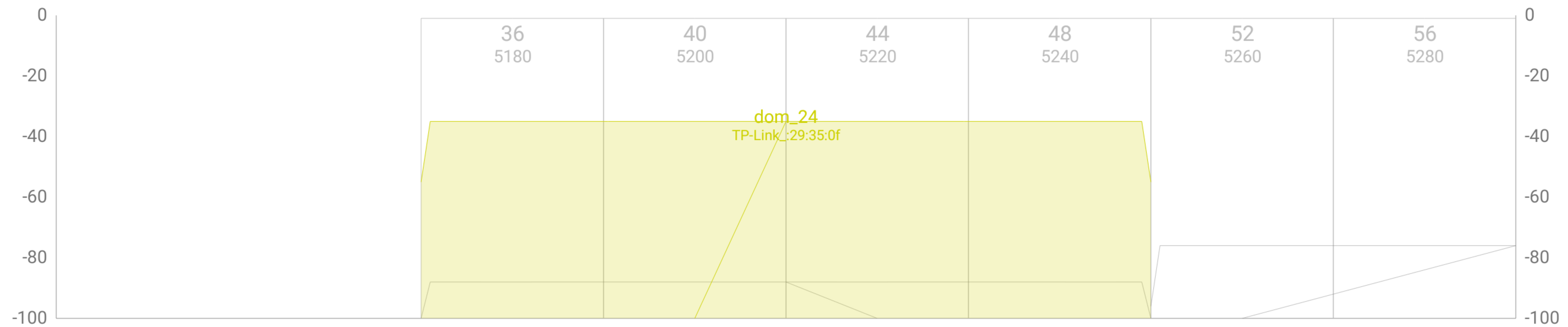


WiFi Spectrum

Beacon (channel width)

Beacon frequency
Beacon spectrum band
Beacon ch (in band)
Channel width
Highest encountered CCI/CCC
Highest encountered ACI/OBSS
Average channel utilization

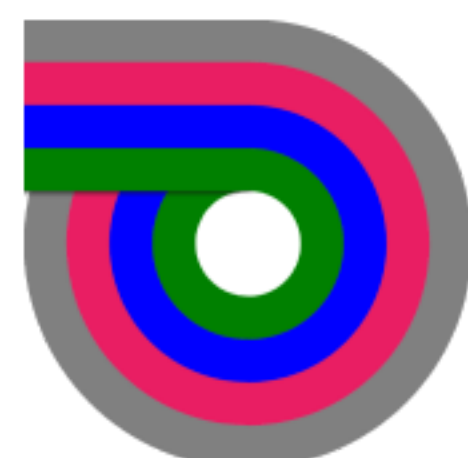
5:40 (80MHz)
5200MHz
5GHz/U-NII-1
40
80MHz
0
0
0%



All overlapping signals

dom_24	5:40 (80)	-35 dBm
TP-Link_:29:35:0f	AC867	≥6 Mbps

Note: use [WiFi Channels Report](#) to research all channels (and find the best channels for your needs with the least load, interfering and overlapping signals)



✓

WiFi Signal Quality

RSSI (Rx MCS/Tx MCS)

Average RSSI

Average Rx phy speed

Average Rx MCS Index

Average Tx phy speed

Average Tx MCS Index

-38dBm (9/9)

-38dBm

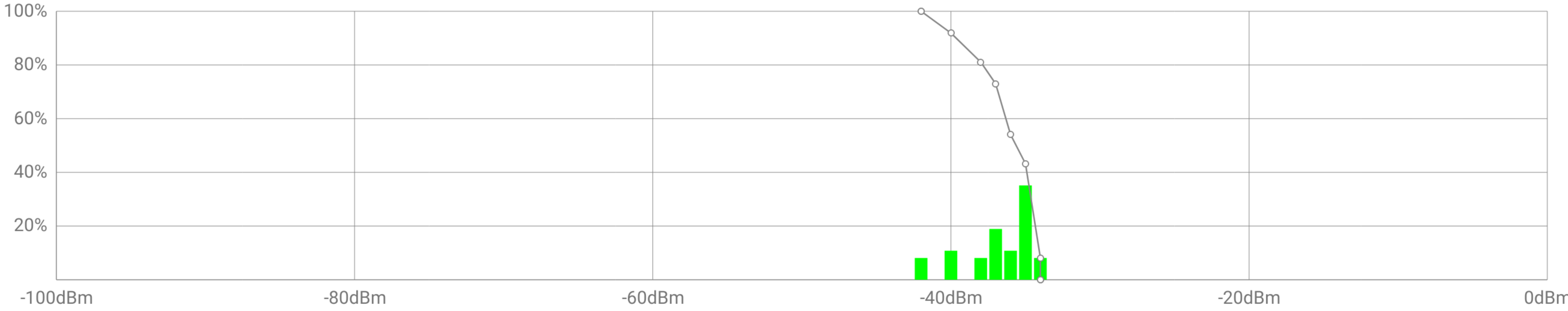
433,3Mbps

9 (256 QAM)

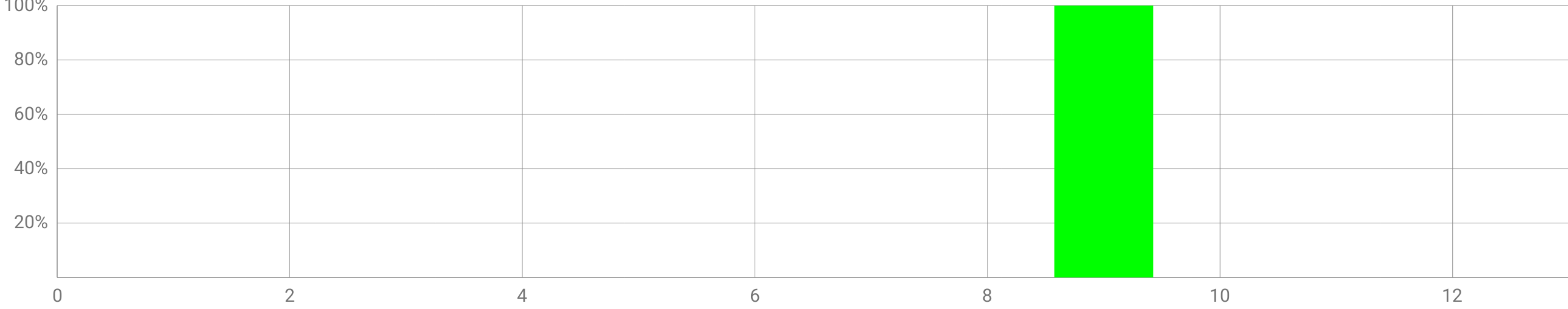
433,3Mbps

9 (256 QAM)

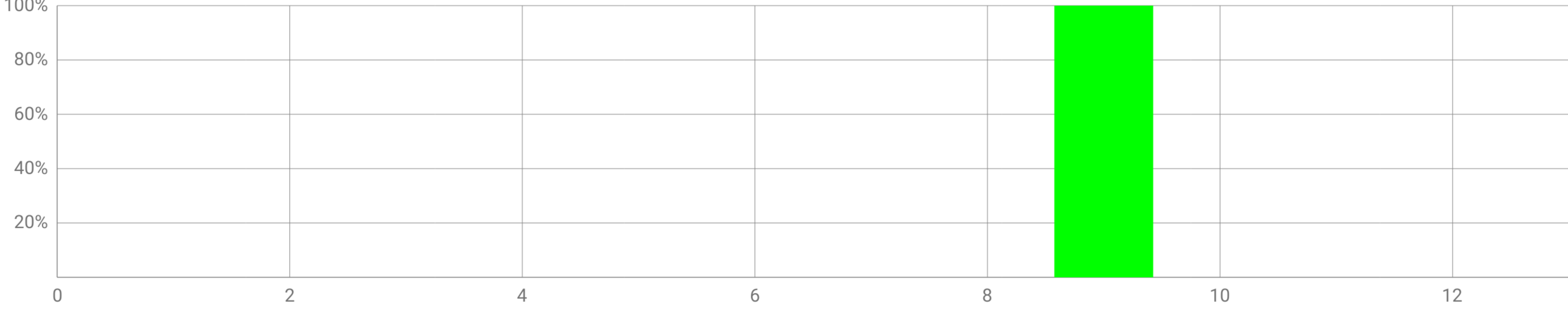
RSSI Distribution



Rx MCS Index Distribution



Tx MCS Index Distribution



✓

IP Connection

Device IPs

DHCP Server

Device IPs

Default IP Gateway

ALL ROUTES

Destination specific

Default

Destination specific

Default

[192.168.68.102, fe80::58e2:acff:fe98:c45a]

192.168.68.1

[192.168.68.102, fe80::58e2:acff:fe98:c45a]

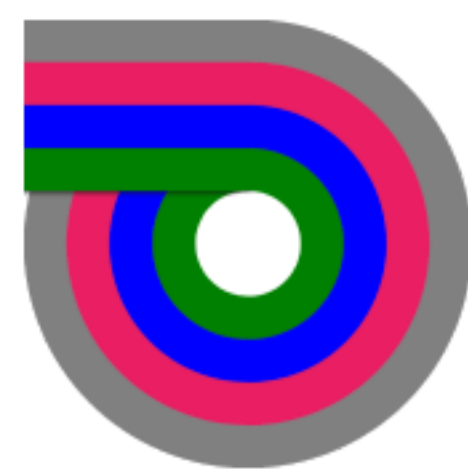
[192.168.68.1](#)

fe80::/64 → ::

::/0 → fe80::c206:c3ff:fe29:350c

192.168.68.0/24 → 0.0.0.0

0.0.0.0/0 → 192.168.68.1



✓

Ping RTT (gateway)

Min/median/jitter

1/2/1 ms

Target192.168.68.1:ECHO

Sent10

Received10

Success100%

Loss0%

Min1 ms

5th Percentile1 ms

25th Percentile2 ms

Median2 ms

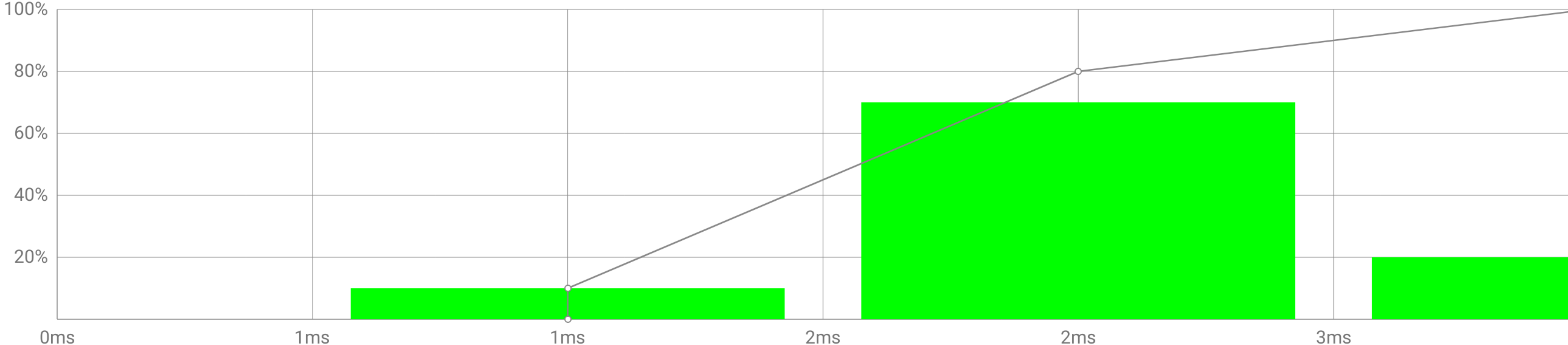
Mean (Average)2.1 ms

75th Percentile2 ms

95th Percentile3 ms

Max3 ms

Jitter1 ms



✓

DNS Name Query RTT (dhcp)

Min/median/jitter

4/5/1 ms

Target78.31.136.10:DNS

Requests10

Responses10

Success100%

Loss0%

Min4 ms

5th Percentile4 ms

25th Percentile4 ms

Median5 ms

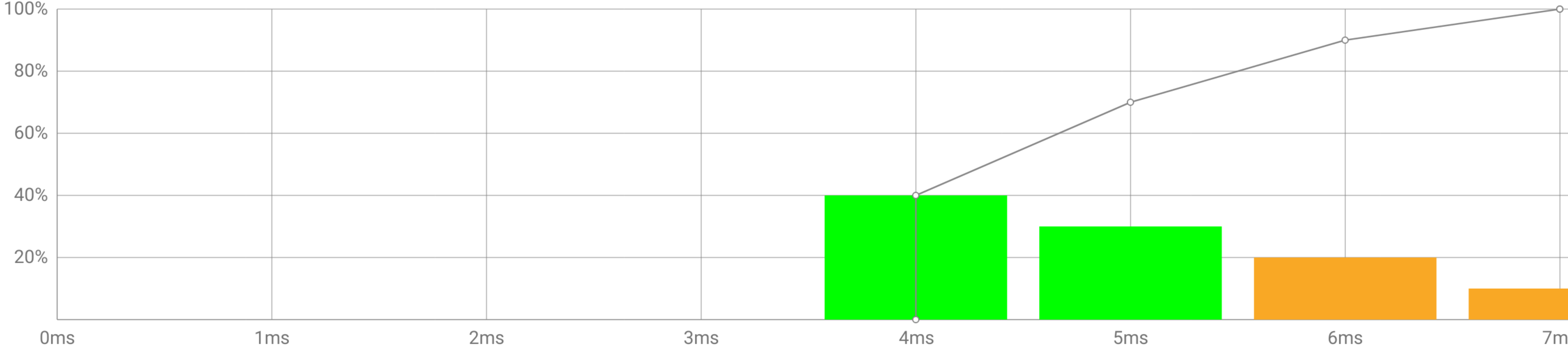
Mean (Average)5.1 ms

75th Percentile5 ms

95th Percentile6 ms

Max7 ms

Jitter1 ms



✓

Internet Connection

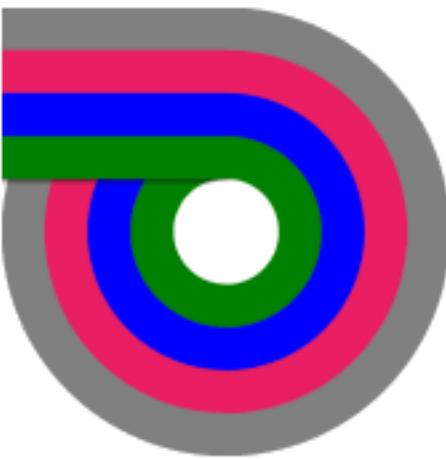
Public IP79.124.107.1

ISPAS44124 Rybnet Sp. z o.o. Sp. k./PL

Public IP79.124.107.1

ISPAS44124 Rybnet Sp. z o.o. Sp. k./PL

DNS Servers79.124.106.1, 78.31.136.10



Basic WiFi 6/7 Connection Test v0

✓

TCP Connection Setup RTT (www.google.com:443)

Min/median/jitter

13/16/3 ms

www.google.com:HTTPS

Attempts10

Connections10

Success100%

Loss0%

Min13 ms

5th Percentile13 ms

25th Percentile14 ms

Median16 ms

Mean (Average)16.0 ms

75th Percentile17 ms

95th Percentile19 ms

Max19 ms

Jitter3 ms

RTT (ms)	Percentage
13	10%
14	20%
15	10%
16	10%
17	20%
18	10%
19	20%

✓

Speed Test (Multi-server HTTP)

Download/Upload

278/306 Mbps

mhttp://

Download speed278 Mbps

Upload speed306 Mbps

Data consumed for this test734 MB

Speed Type	Speed (Mbps)
Download Speed	278
Upload Speed	306

