

Basic WiFi 6/7 Connection Test v0

✓

Data Connection

Connection

Connection type

Device interface

WIFI

WIFI

wlan0

✓

WiFi Network

Primary signal

SSID

BSSID

AP

Technology

Supplicant state

Supplicant capabilities

Security

WIFI/IPC_24_Biuro/18:fd:74:db:b1:c9

IPC_24_Biuro

18:fd:74:db:b1:c9

18FD74DBB1C9

WiFi 4/N300

COMPLETED

[RSN-PSK-CCMP][WPA-PSK-CCMP][ESS][WPS]

WPA/WPA2-Personal

⚠

WiFi Spectrum

Highest encountered ACI/OBSS

Beacon frequency

Beacon spectrum band

Beacon ch (in band)

Channel width

Highest encountered CCI/CCC

Highest encountered ACI/OBSS

Average channel utilization

2417MHz

2.4GHz

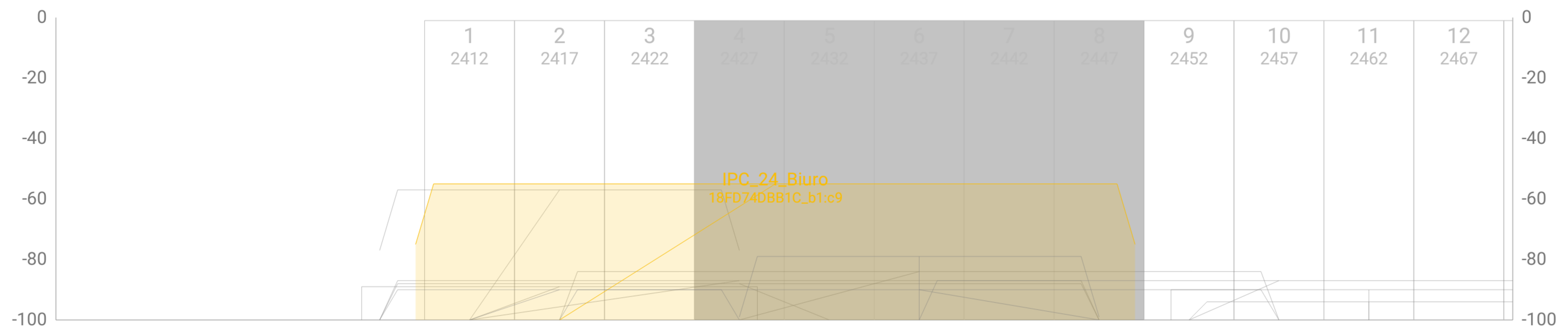
2

40MHz

0

1

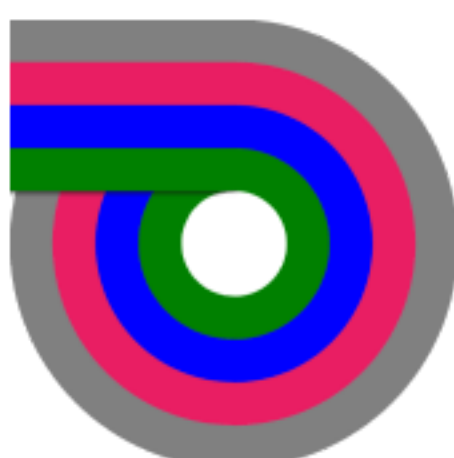
0%



All overlapping signals

IPC_24_Biuro	2.4:2 (40)	-55 dBm	
18FD74DBB1C_b1:c9	N300	≥6 Mbps	
1e614f82	2.4:1 (20)	-57 dBm	
ZHUHAIEW_61:4f:82	N72	≥1 Mbps	
AkselWiFi	42.4 %	2.4:6 (20)	-79 dBm
Ubiquiti_6a:27:a7	13 stas	N217	≥1 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)



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WiFi Signal Quality

Average RSSI

Average RSSI

Average Rx phy speed

Average Rx MCS Index

Average Tx phy speed

Average Tx MCS Index

-55dBm

-55dBm

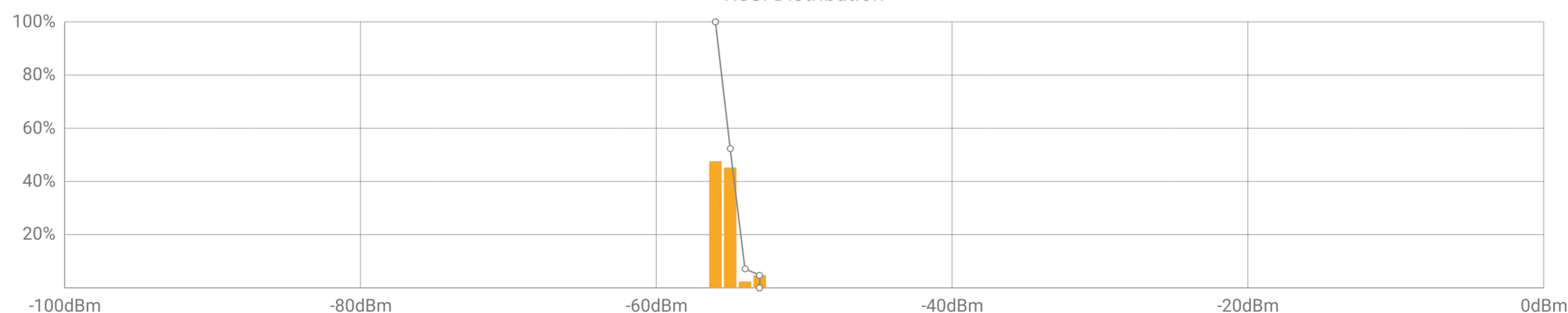
89,9Mbps

4 (16 QAM)

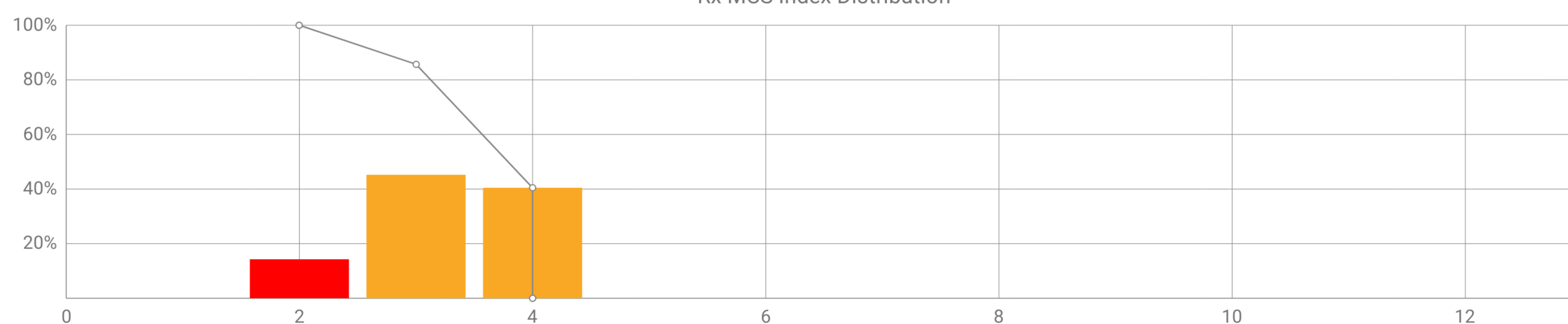
91,3Mbps

4 (16 QAM)

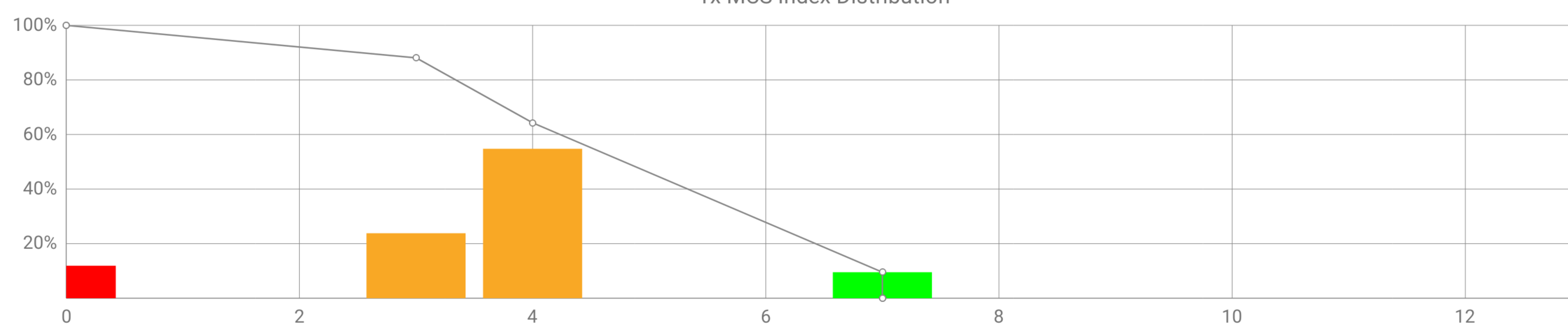
RSSI Distribution



Rx MCS Index Distribution



Tx MCS Index Distribution



IP Connection

Device IPs

```
[ 172.31.1.22, fe80::78d5:80ff:fed2:58b0 ]
```

DHCP Server

10.153.46.1

Device IPs

```
[ 172.31.1.22, fe80::78d5:80ff:fed2:58b0 ]
```

Default IP Gateway

[172.31.1.1](#)

ALL ROUTES

Destination specific

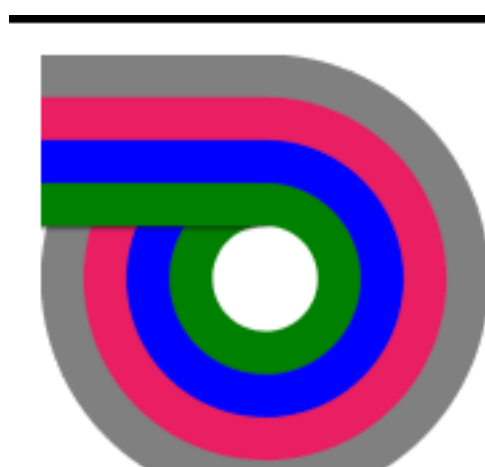
fe80::/64 → ::

Destination specific

172.31.0.0/22 → 0.0.0.0

Default

0.0.0.0/0 → 172.31.1.1



Basic WiFi 6/7 Connection Test v0

Ping RTT (gateway)

Min/median/jitter

1/4/38 ms

172.31.1.1:ECHO

Sent10

Received10

Success100%

Loss0%

Min1 ms

5th Percentile1 ms

25th Percentile2 ms

Median4 ms

Mean (Average)20.8 ms

75th Percentile10 ms

95th Percentile53 ms

Max115 ms

Jitter38 ms

The graph displays the cumulative distribution of Ping RTT values. The x-axis represents RTT in milliseconds (0ms to 100ms), and the y-axis represents the percentage of successful pings (0% to 100%). The curve shows that approximately 80% of pings are completed within 20ms, and nearly 100% are completed within 60ms. A histogram below the curve shows the frequency of RTT values, with most values clustered between 0ms and 20ms.

DNS Name Query RTT (dhcp)

Min/median/jitter

2/5/28 ms

10.153.46.1:DNS

Requests10

Responses10

Success100%

Loss0%

Min2 ms

5th Percentile2 ms

25th Percentile3 ms

Median5 ms

Mean (Average)22.1 ms

75th Percentile17 ms

95th Percentile58 ms

Max94 ms

Jitter28 ms

The graph displays the cumulative distribution of DNS Name Query RTT values. The x-axis represents RTT in milliseconds (0ms to 80ms), and the y-axis represents the percentage of successful queries (0% to 100%). The curve shows that approximately 80% of queries are completed within 40ms, and nearly 100% are completed within 60ms. A histogram below the curve shows the frequency of RTT values, with most values clustered between 0ms and 20ms.

Internet Connection

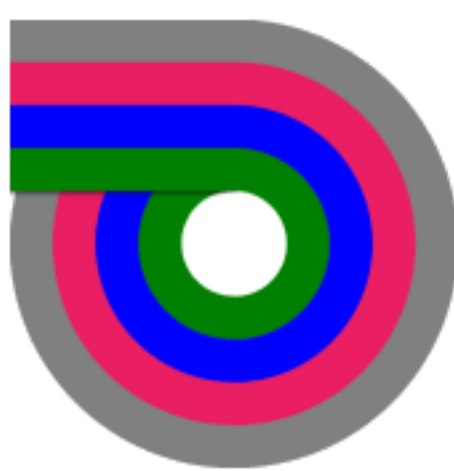
Public IP91.203.248.16

ISPAS47250 AKSEL sp. z o.o./PL

Public IP91.203.248.16

ISPAS47250 AKSEL sp. z o.o./PL

DNS Servers10.153.46.1, 188.117.188.117, 89.25.182.14



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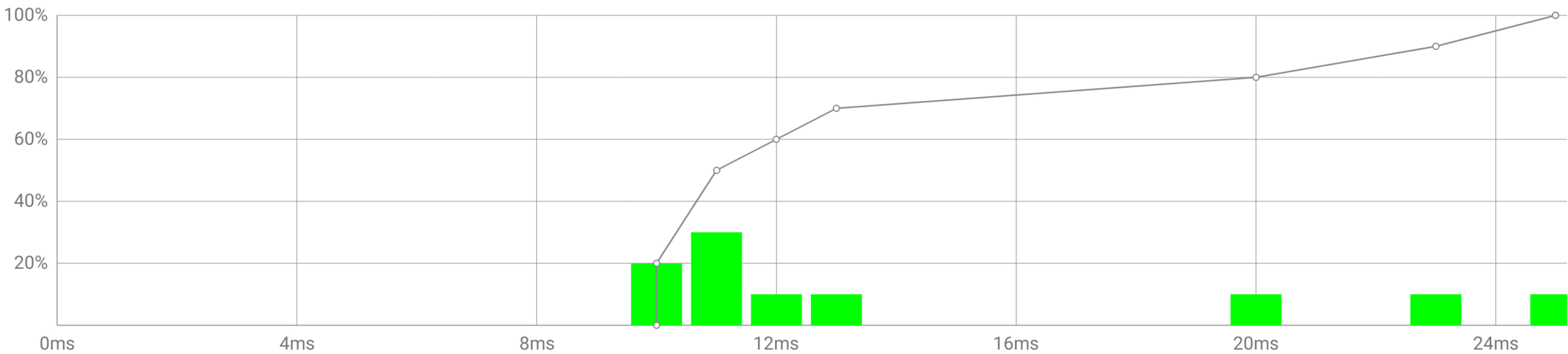


TCP Connection Setup RTT (www.google.com:443)

Min/median/jitter

10/11/8 ms

Target	www.google.com:HTTPS
Attempts	10
Connections	10
Success	100%
Loss	0%
Min	10 ms
5th Percentile	10 ms
25th Percentile	10 ms
Median	11 ms
Mean (Average)	14.6 ms
75th Percentile	13 ms
95th Percentile	23 ms
Max	25 ms
Jitter	8 ms



Speed Test (Multi-server HTTP)

Download/Upload

42/16 Mbps

Target	mhttp://
Download speed	42 Mbps
Upload speed	16 Mbps
Data consumed for this test	71 MB

