

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

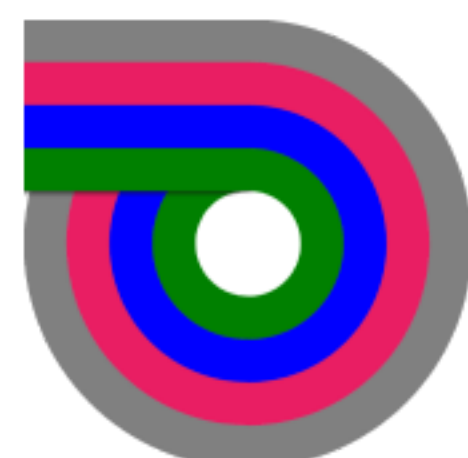
0

1

0%



All overlapping signals

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

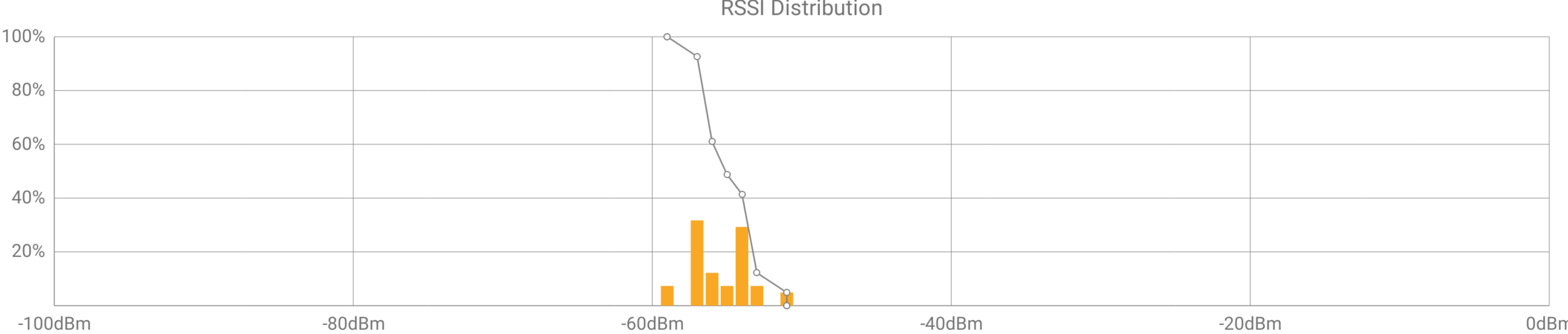
120,5Mbps

5 (16 QAM)

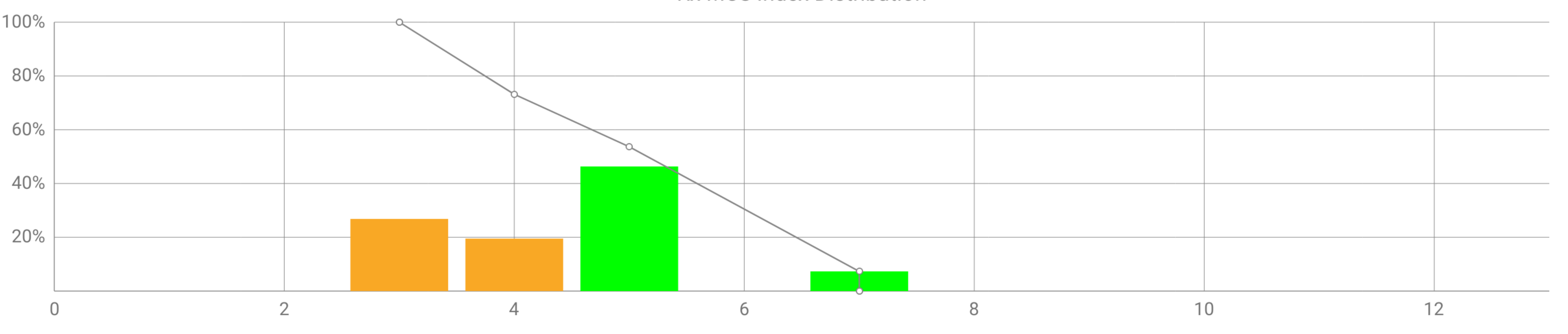
86,5Mbps

4 (16 QAM)

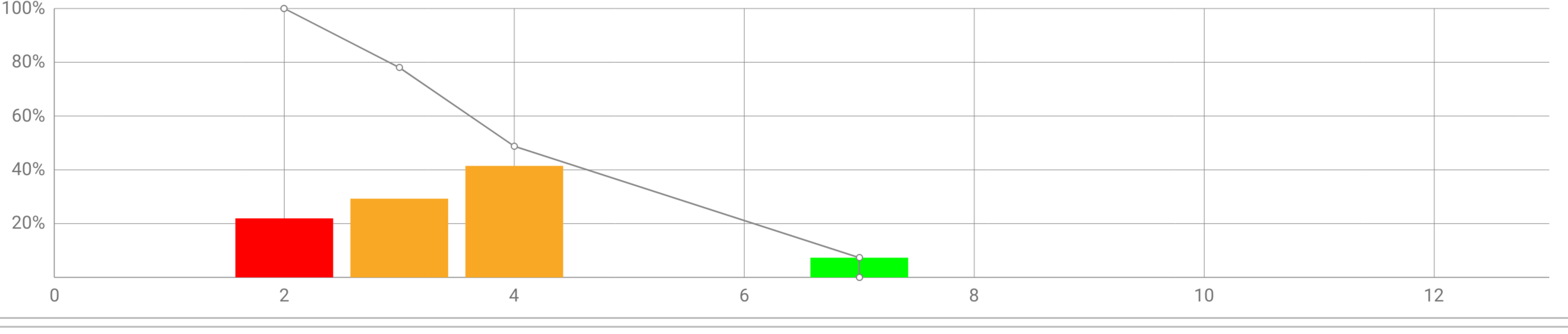
RSSI Distribution



Rx MCS Index Distribution



Tx MCS Index Distribution



IP Connection

Device IPs

DHCP Server

Device IPs

Default IP Gateway

ALL ROUTES

Destination specific

Destination specific

Default

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

10.153.46.1

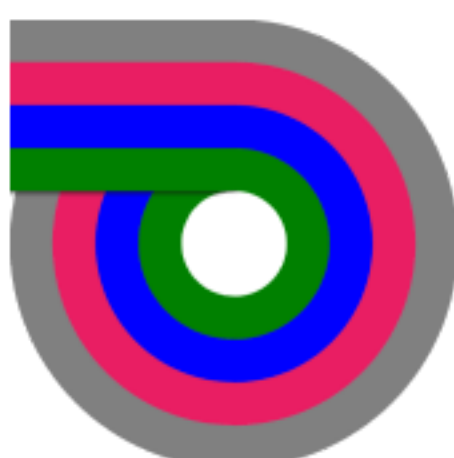
[172.31.1.22, fe80::78d5:80ff:fed2:58b0]

[172.31.1.1](#)

fe80::/64 → ::

172.31.0.0/22 → 0.0.0.0

0.0.0.0/0 → 172.31.1.1



The graph illustrates the evolution of the number of active nodes over time. The y-axis represents the percentage of active nodes, ranging from 0% to 100%. The x-axis represents time, ranging from 0ms to 2ms. A green bar indicates a period of 1ms where the number of active nodes is constant at 40%. After 1ms, the number of active nodes increases linearly, reaching 80% at 2ms.

Time (ms)	Percentage of Active Nodes (%)
0ms	0%
1ms	40%
2ms	80%

Time Interval	Percentage of Data Points (Bar)	Cumulative Percentage (Line)
0ms	0%	0%
1ms	0%	0%
2ms	30%	30%
3ms	10%	40%
4ms	20%	60%
5ms	30%	90%
6ms	0%	95%
7ms	0%	98%
8ms	5%	100%

10.153.46.1, 188.117.188.117, 89.25.182.14



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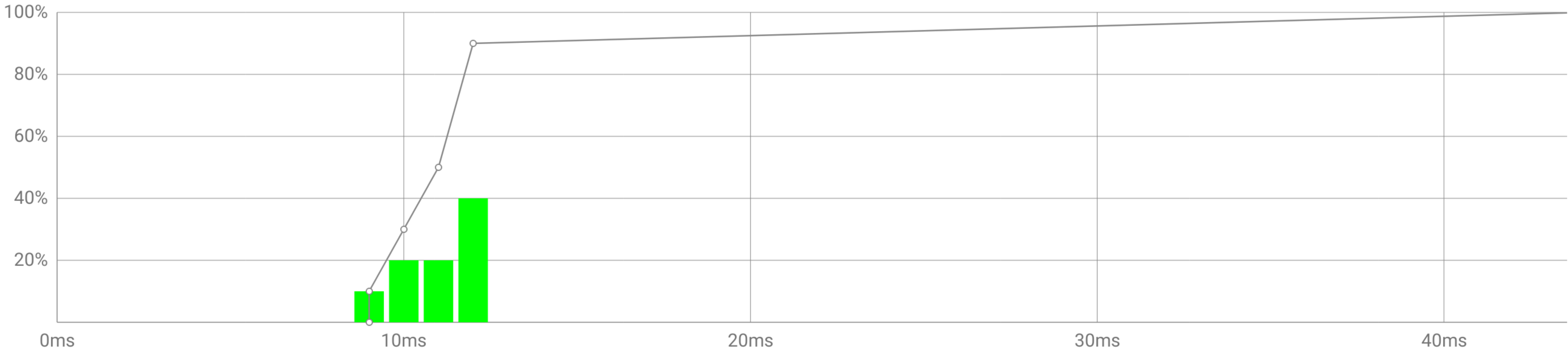
TCP Connection Setup RTT (www.google.com:443)

Min/median/jitter

9/11/8 ms

www.google.com:HTTPS

Target	www.google.com:HTTPS
Attempts	10
Connections	10
Success	100%
Loss	0%
Min	9 ms
5th Percentile	9 ms
25th Percentile	10 ms
Median	11 ms
Mean (Average)	14.3 ms
75th Percentile	12 ms
95th Percentile	12 ms
Max	44 ms
Jitter	8 ms



Speed Test (Multi-server HTTP)

Download/Upload

58/30 Mbps

Target	mhttp://
Download speed	58 Mbps
Upload speed	30 Mbps
Data consumed for this test	103 MB

