



Cambium Networks™

Cambium WiFi 6 Value

- **Initial XV3 success in EDU refreshes**
 - Intl School of Luxembourg – 220 APs
 - Burke County Schools – 900 APs
 - Denison Schools – 80 APs
 - And more...



Cambium Real-world Testing Labs Prove It

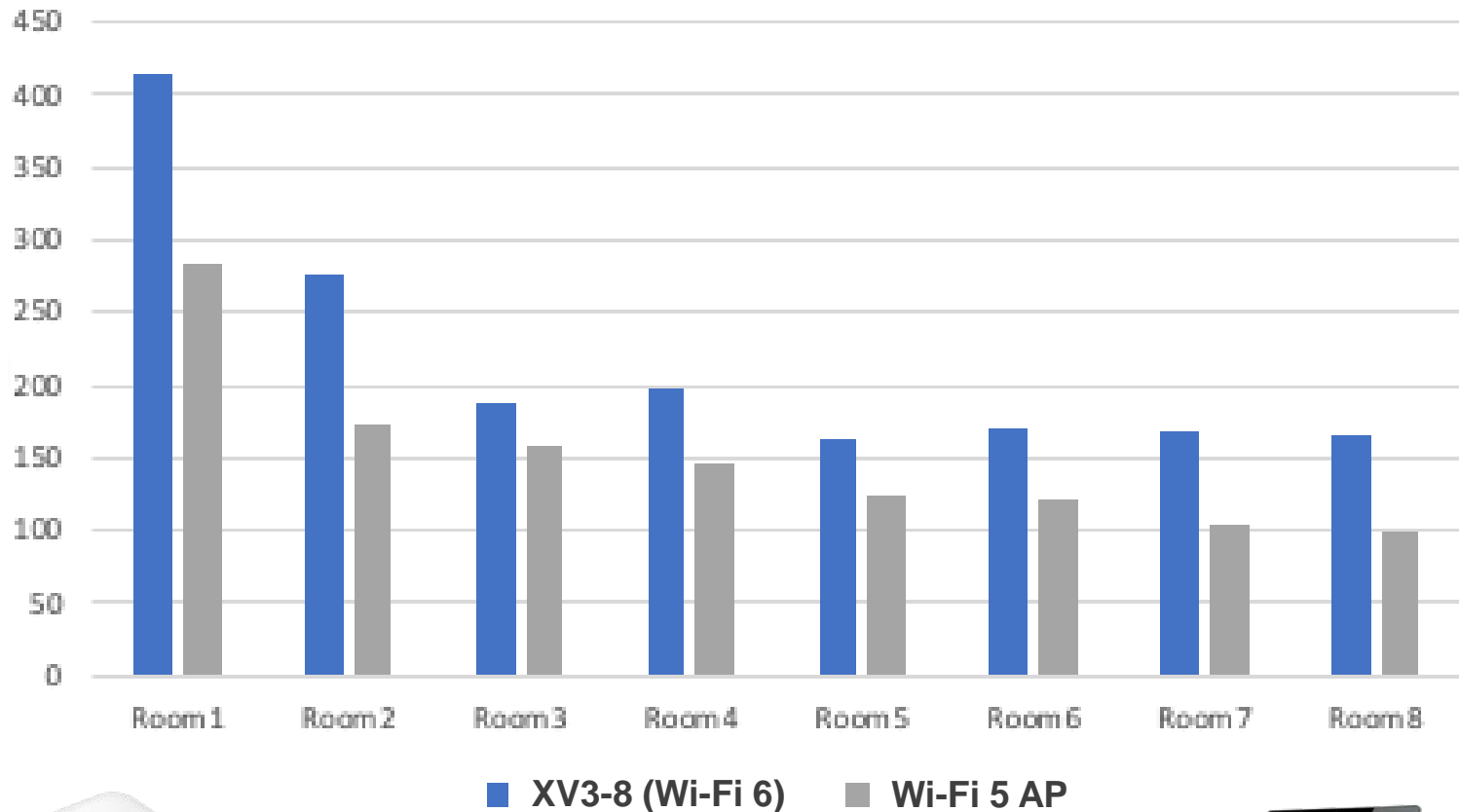


**Automated Testing Facilities
Thousand Oaks, CA**



Wi-Fi 6 Improves Wireless Performance

5GHz Throughput vs Room (Mbps)



Wi-Fi 6 Advantage:
Up to **40%** Higher
Performance vs. Wi-Fi 5

What is happening?

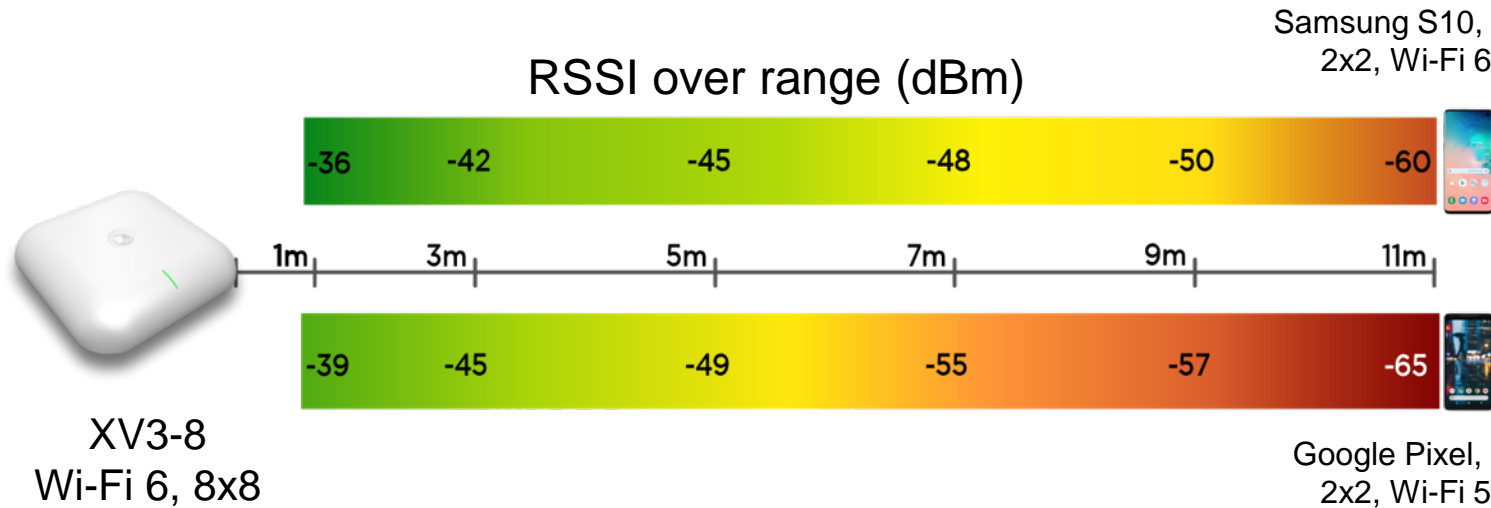
- 8x8 antennas provide better receive sensitivity and signal integrity
- Improved radio driver and offload
- 1024QAM is 25% more bits/Hz



Test Details

AP located outside of Room 1
Increasing distance from AP to Rooms on the right of graph
Throughput measured to single Macbook 3x3 11ac client

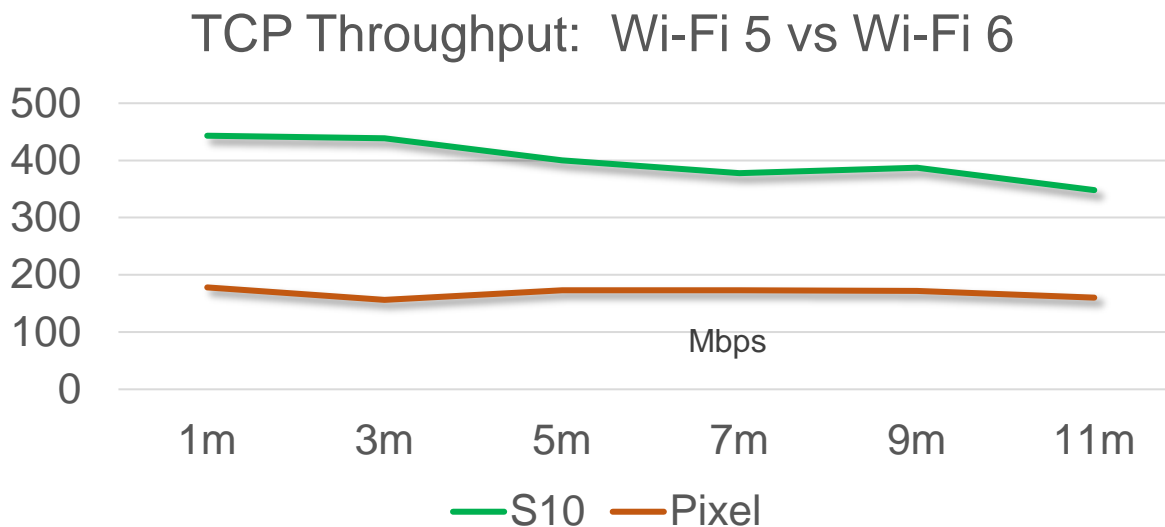
Wi-Fi 6 Improves Wireless Performance



Wi-Fi 6 Advantage:
Average **135%**
Improvement vs. Wi-Fi 5

What is happening?

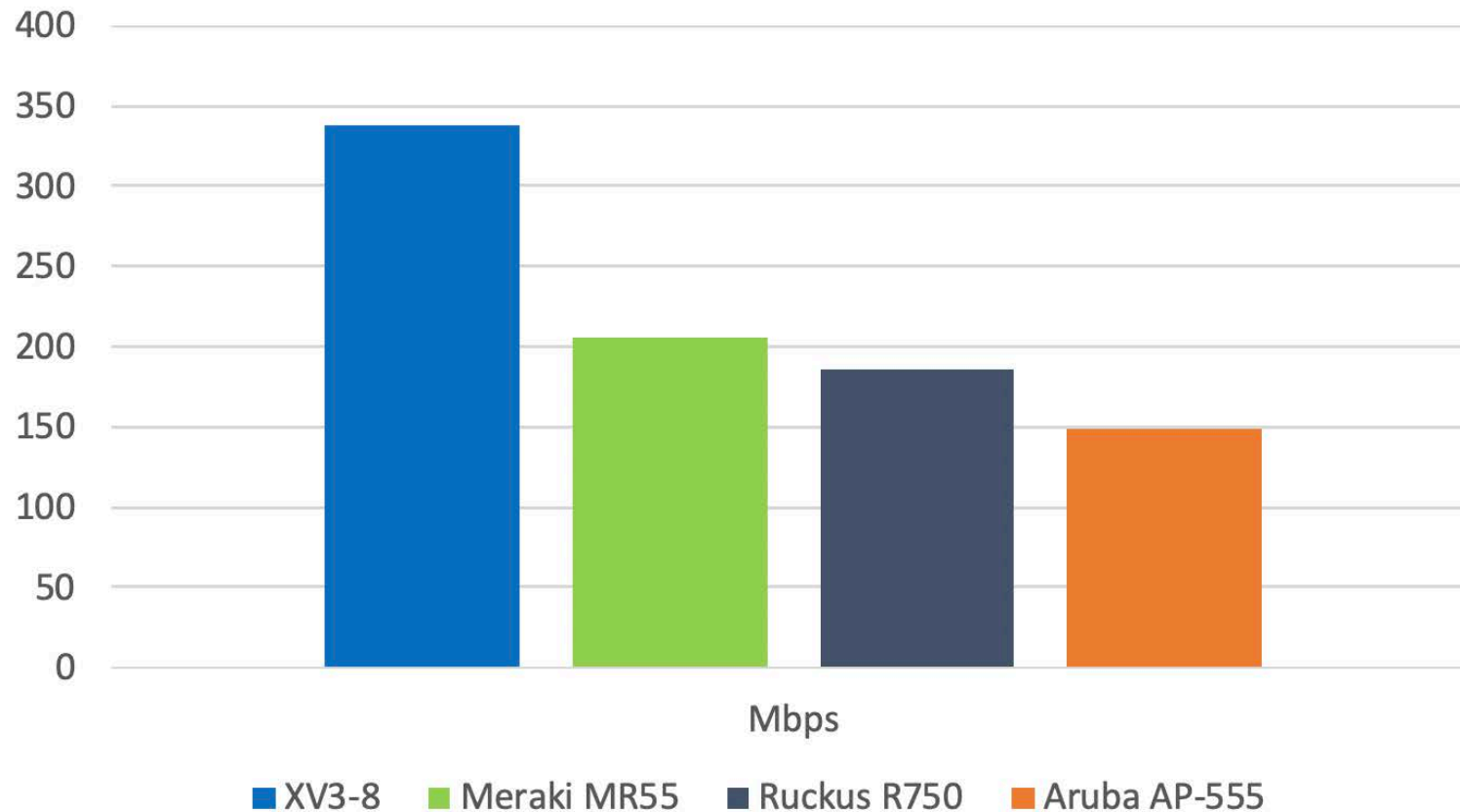
- 1024QAM is 25% more bits/Hz
- More efficient signaling protocols
- Client-side CPU speed increase



Test Details

iPerf3 client on Windows 10 PC
iPerf3 server on smart phone
`iperf3 -c <ip> -i 10 -t 10 -P 6`
40Mhz channel, 44/48, short guard

200 Clients Aggregated Throughput (Mbps)



Cambium Advantage:
Average **91%** Higher
Performance vs. 3
Competitive 8x8 APs

What is happening?

- High density tri-radio spreads load
- Software-defined radios optimize for 5GHz performance

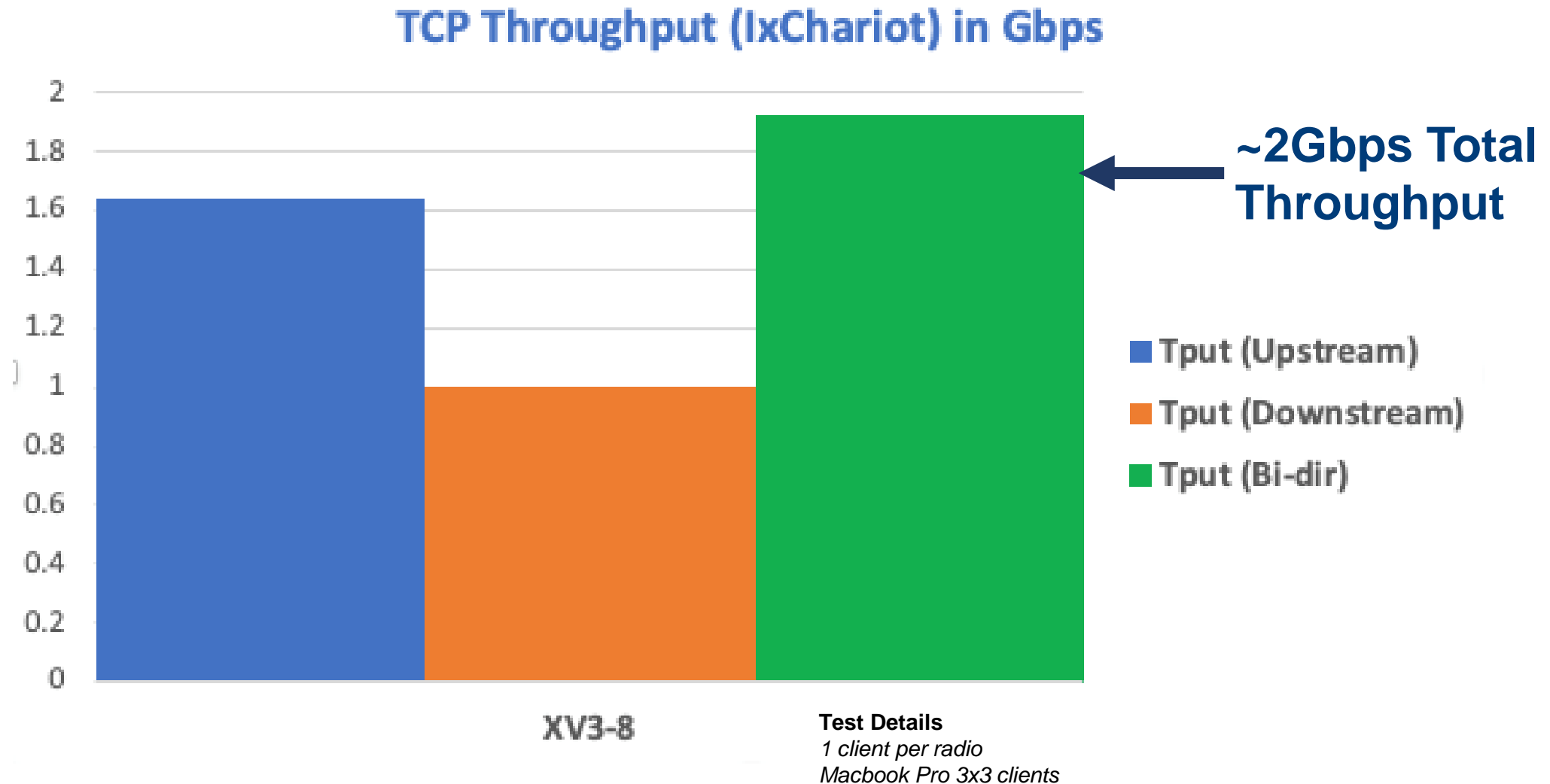
Test Details

Mix of laptops, tablets, phones

Mix of FTP, HTTP, Fast Ping traffic

Ruckus R750 could not associate >103 clients

XV3 Delivers Multi-Gig Performance





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