

IETF 88: Vancouver, BC

NOC Report

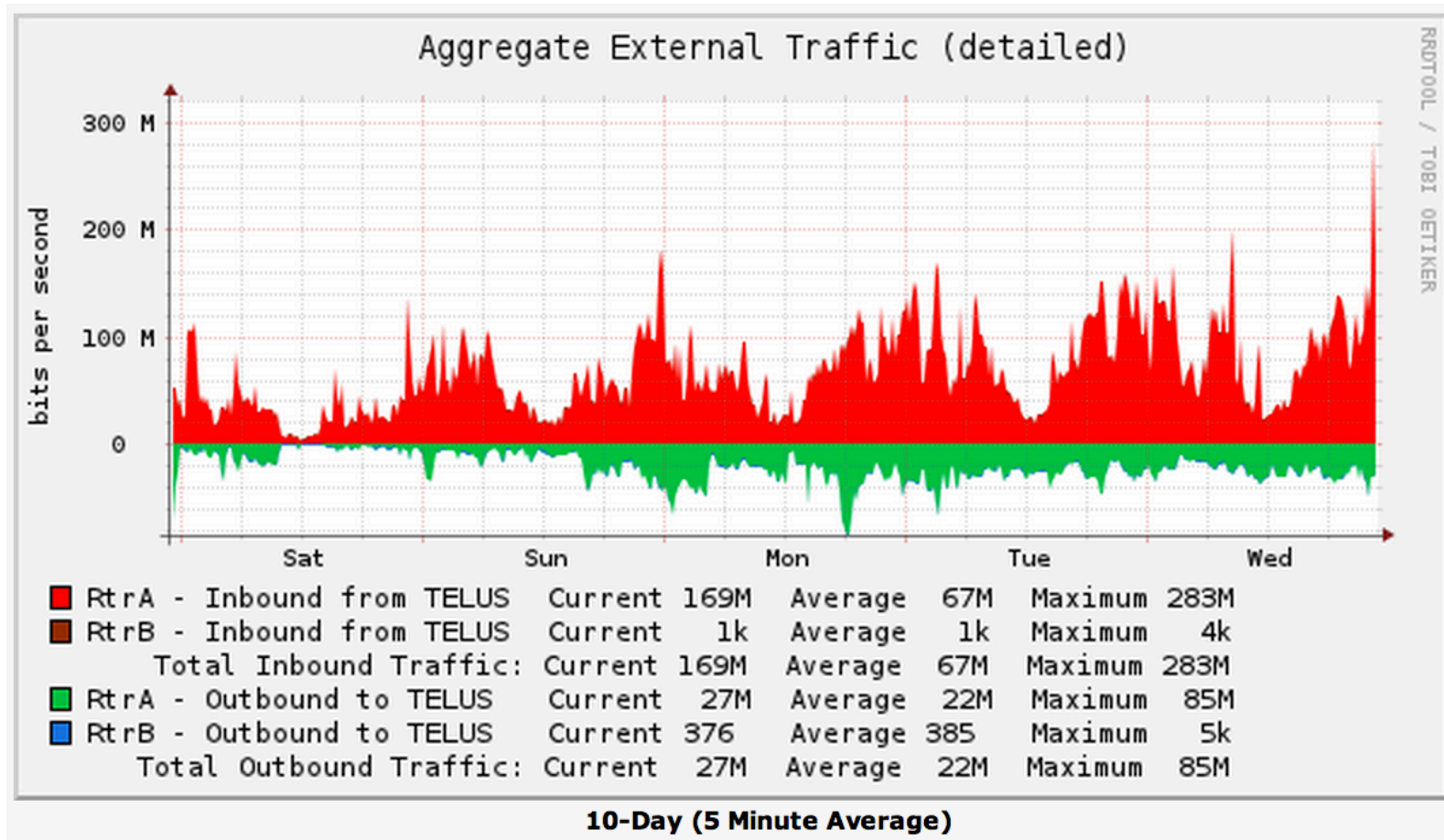


Network Overview

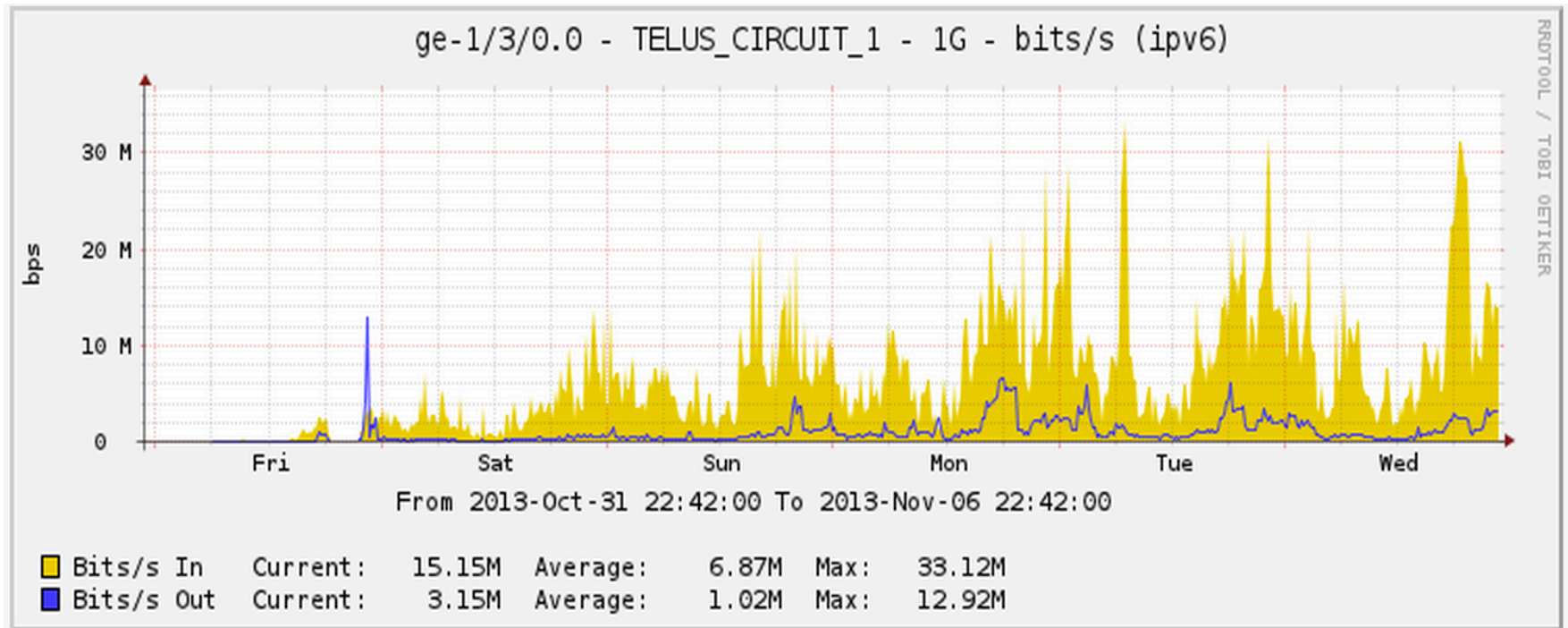
- 2 x 1 Gb/s link to Telus
- Production network-
 - v4 31.130.128.0/18 & 31.133.224.0/20
 - v6 2001:67c:1230::/46 & 2001:67c:370::/48
- IETF network extended to hotel guest rooms and common areas (Hyatt Vancouver SSID and wired connections) via 1Gb/s copper link



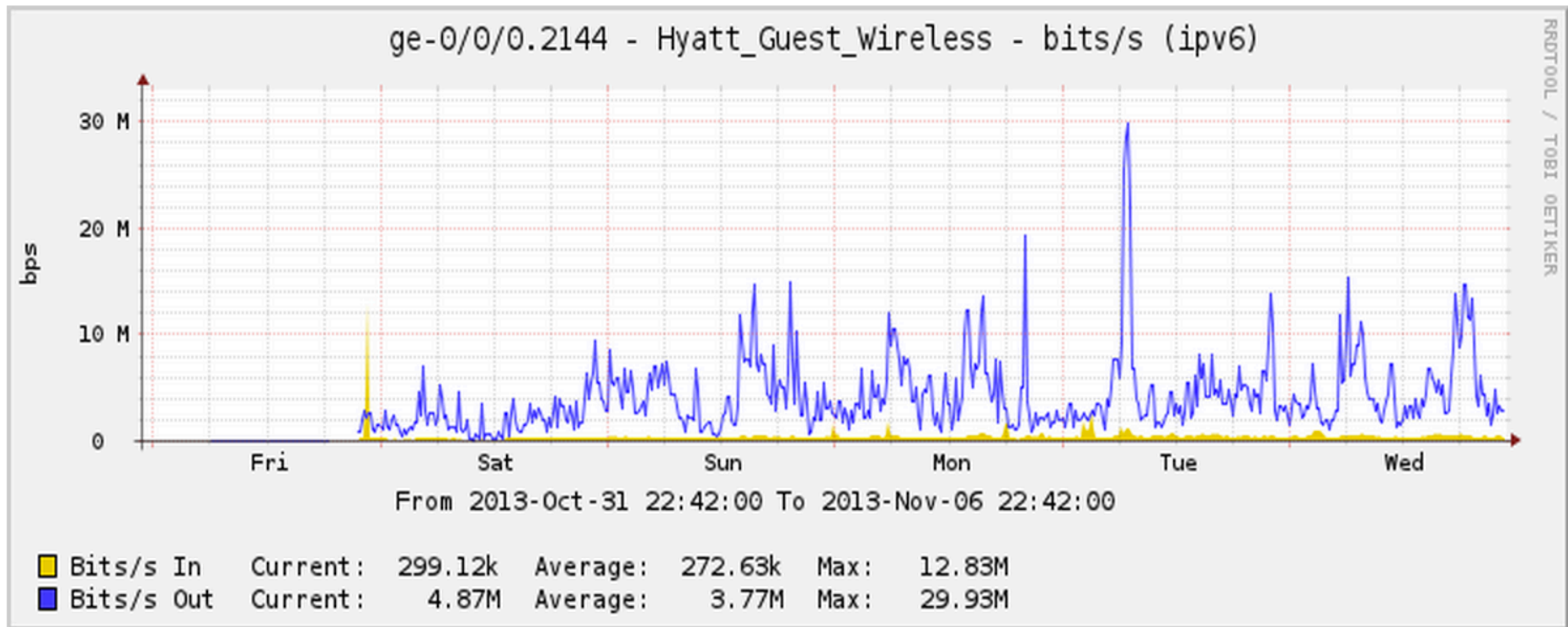
External Traffic



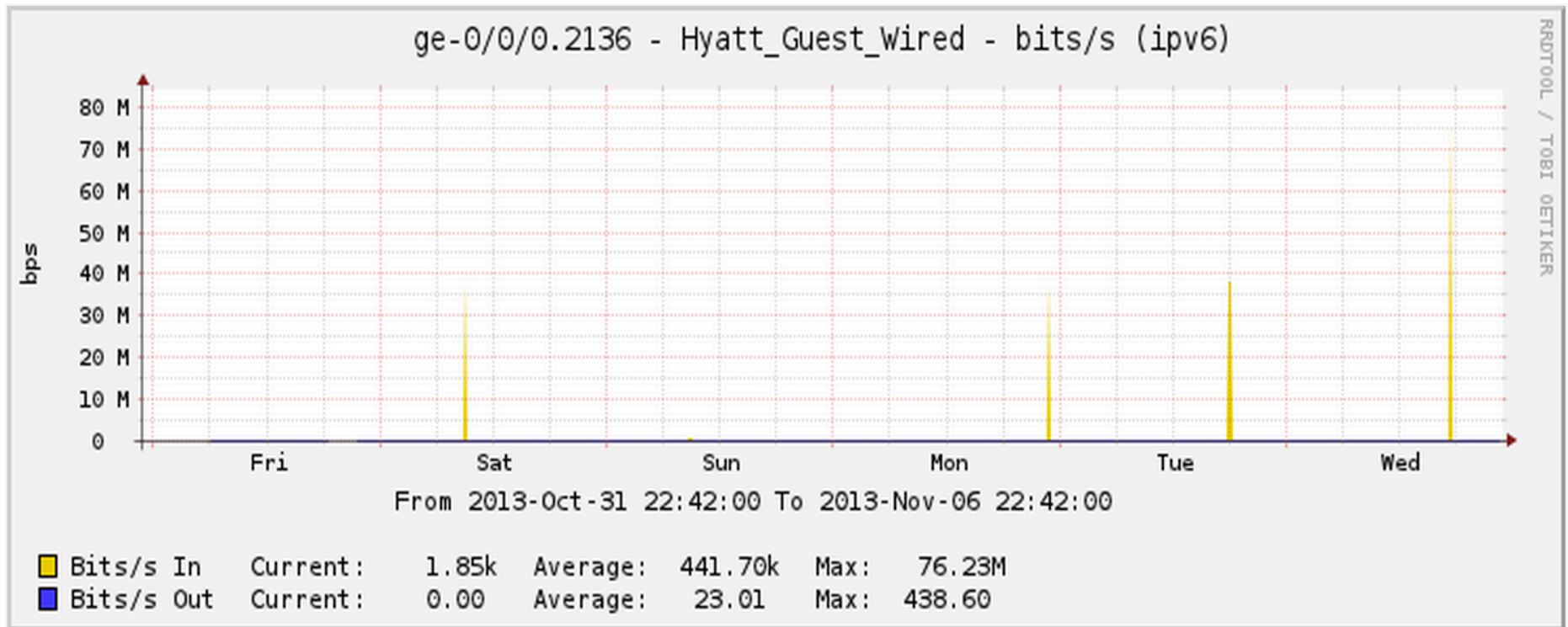
External IPv6 Traffic



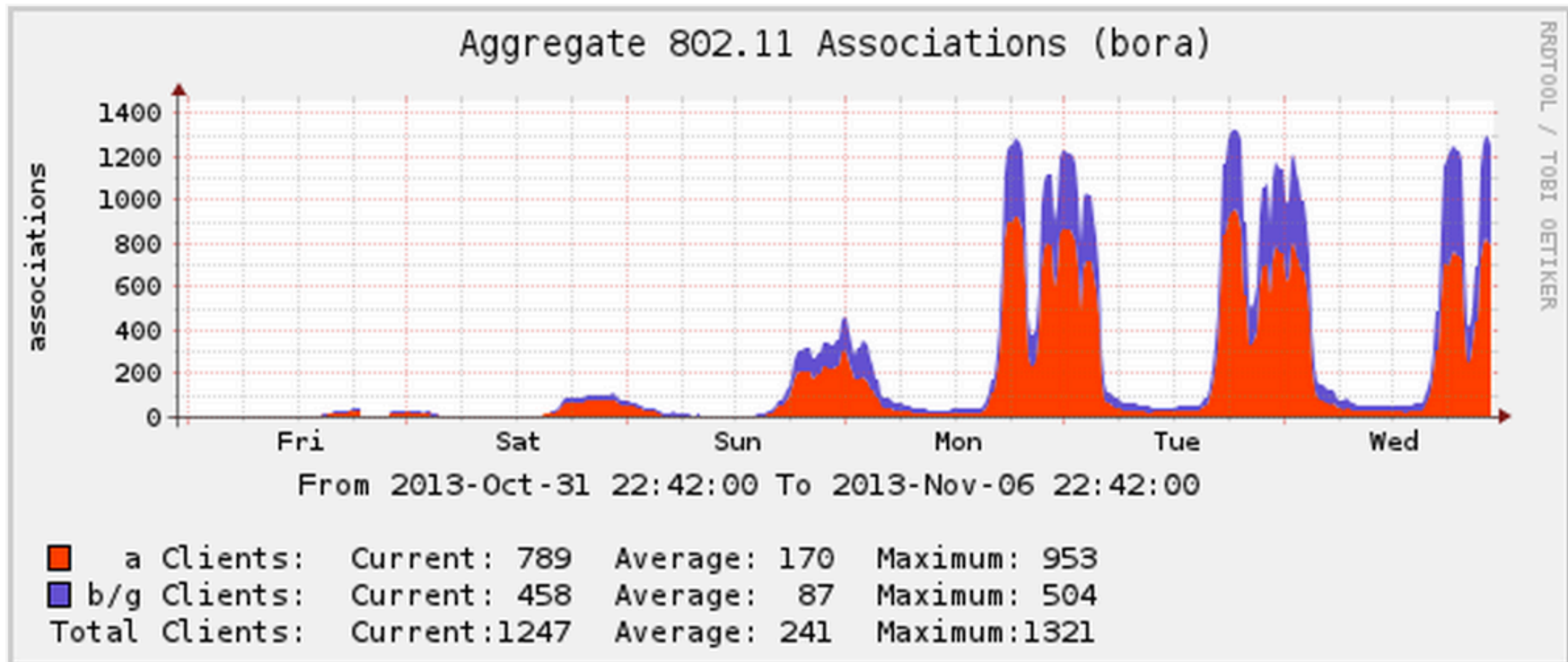
Guestroom Usage - Wifi



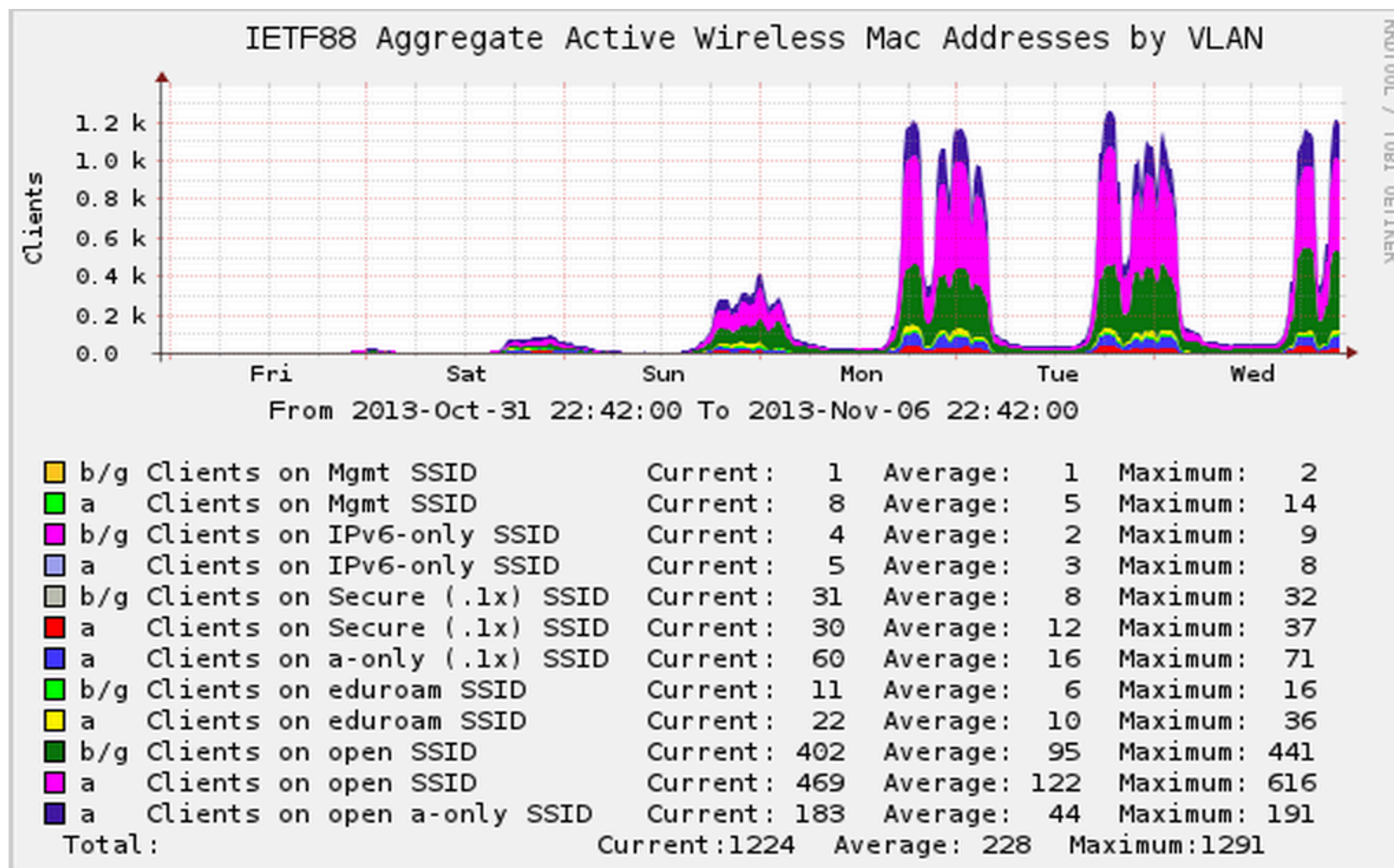
Guestroom Usage - Wired



Wireless Associations



Wireless Associations (cont.)



Wed. Plenary Wireless Issue Summary

Issue presented as high latency and packet loss over the wireless in the plenary room. Investigation indicated improper DFS assignments on the 5ghz radio band causing co-channel interference.

In an effort to mitigate the issue, the following two configurations adjustments were made to WAP's servicing the plenary room:

1. Manually channelize the 5ghz radios to diversify the operational frequencies throughout the space.
2. Manually reduce the radio power levels to reduce overlap.

As clients "found their level", we adjusted the respective radios to use their standard power levels. As of 10am, access appeared to normalize and users reported acceptable connectivity.

We will channelize and adjust power for the 5ghz band in the plenary room for future IETF events.



A special thanks to...

Bill Fenner (Arista)
Bill Jensen (UW-Madison)
Bjoern Zeeb (Cambridge Uni.)
Chris Elliott
Joe Clark (Cisco)
Joel Jaeggli (Zynga)
Jim Martin (ISC)
Karen O'Donoghue (ISOC)
Lucy Lynch (ISOC)
Warren Kumari (Google)
Hans Khun (NSRC)

From Verilan:

- Nick Kukich
- Colin Doyle
- James Dishongh
- Brandon Height
- Rick Alfvin
- Edward McNair
- Dallas Breed
- Sean Croghan



Thank You

- Telus
 - Connectivity
- Cisco
 - Gear contribution
- Juniper
 - Gear contribution
- OSC Radiator
 - Licensing

ARISTA



And our friends at the Hyatt Hotel

