



Tuning the Concorde Network

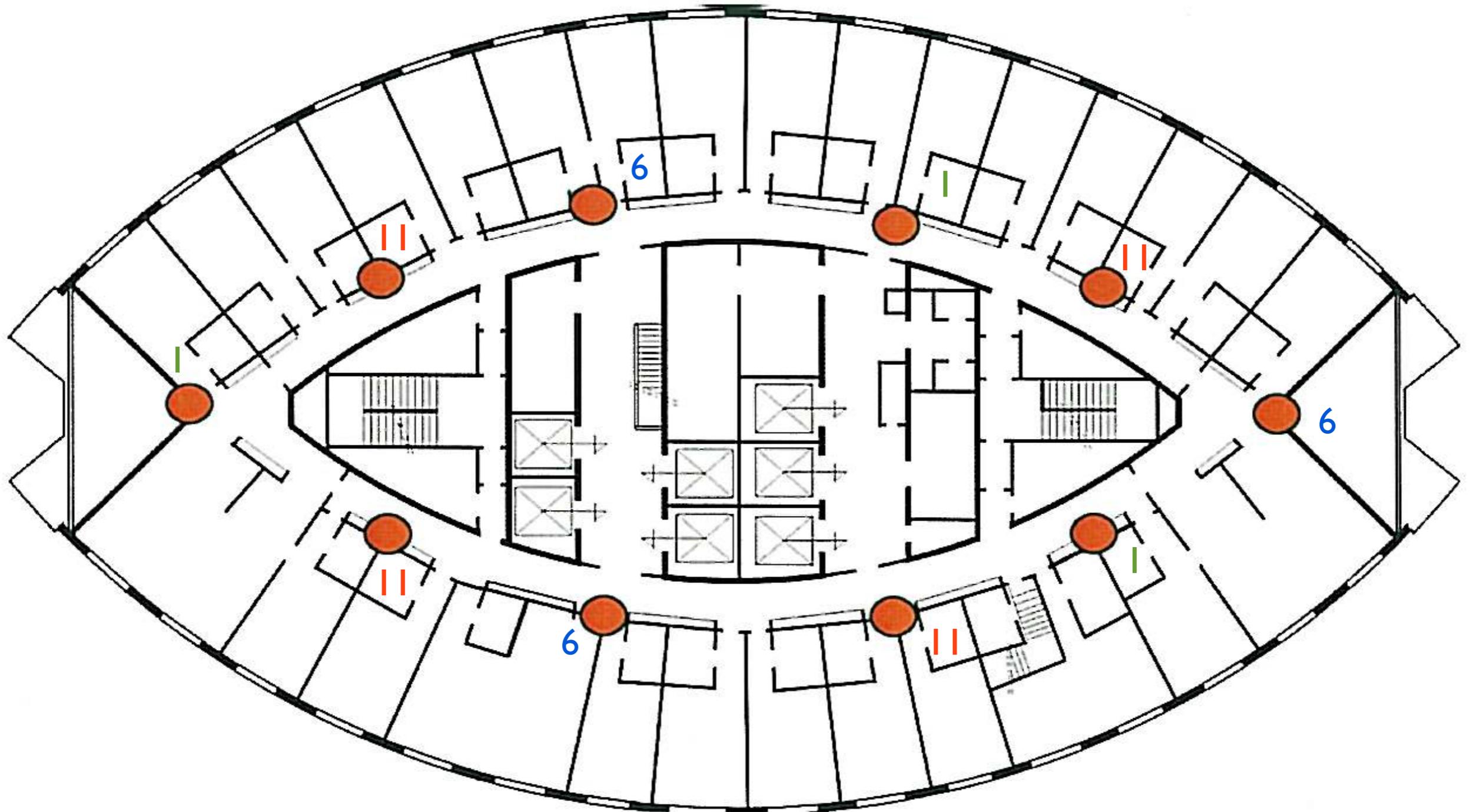
(or How RF engineering really is Black Magic!)

Chris Elliott & the IETF NOC Team

Concorde Internet

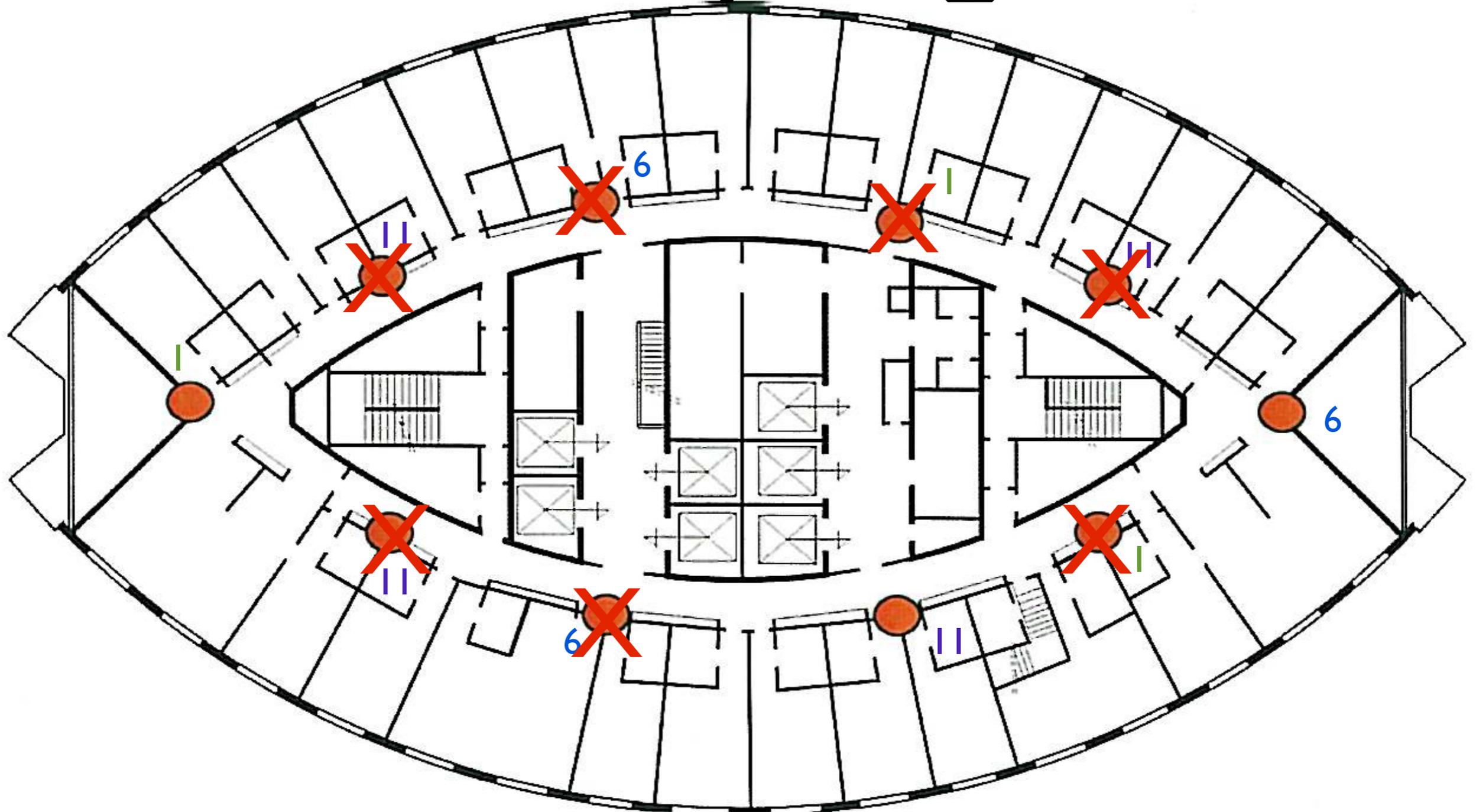
- 317 Colubris (HP) Autonomous APs
- Minimal RF engineering - lots of noise
- They added “ietf-hotel” and passed it to us
- Wired Internet via TV system (takeover in process!)
- We deployed a IG link, and patched to “ietf-hotel”

As we arrived



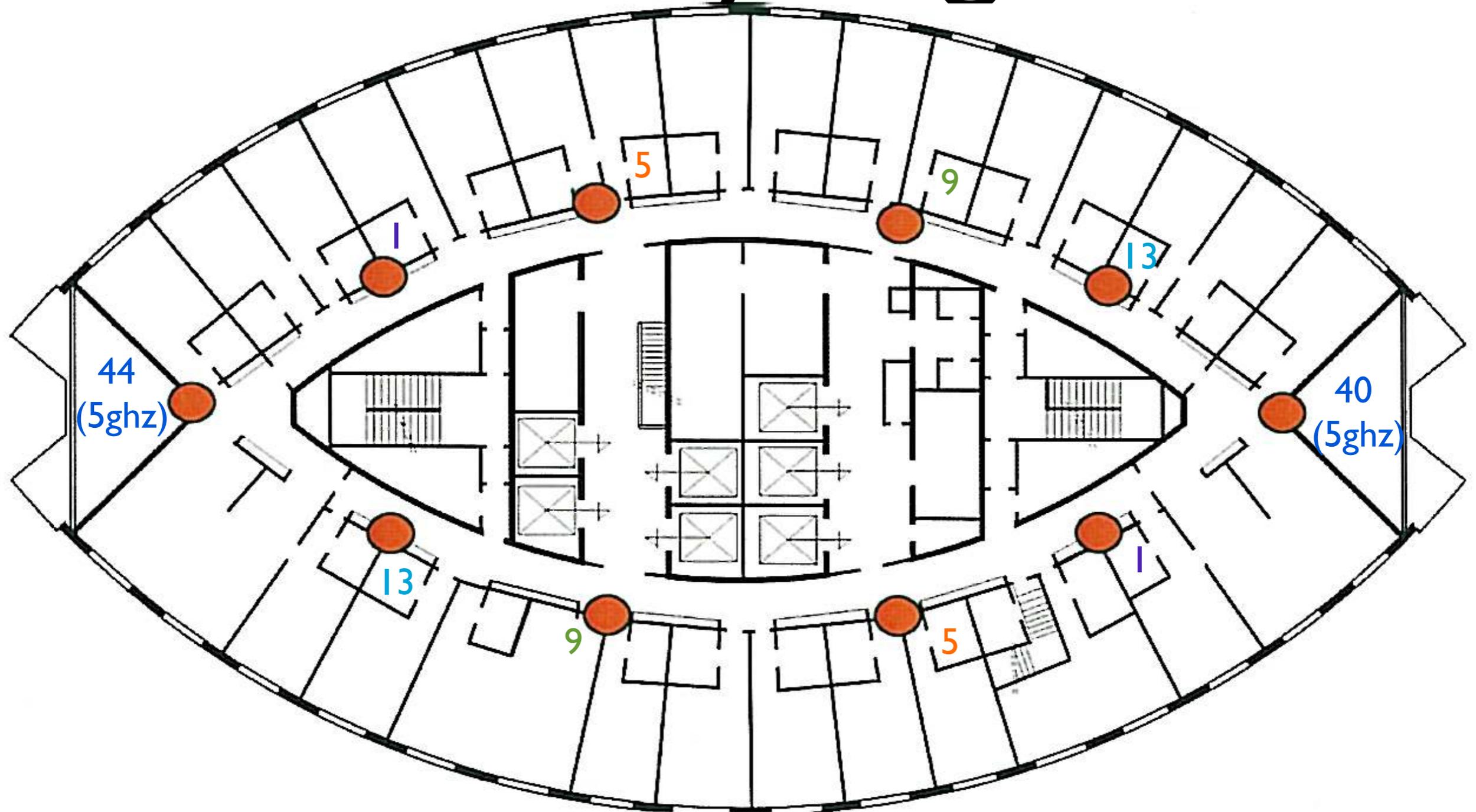
All Radios at Max Power (20db)
All data rates enabled
All at 2.4 Ghz (b/g)

Monday Night



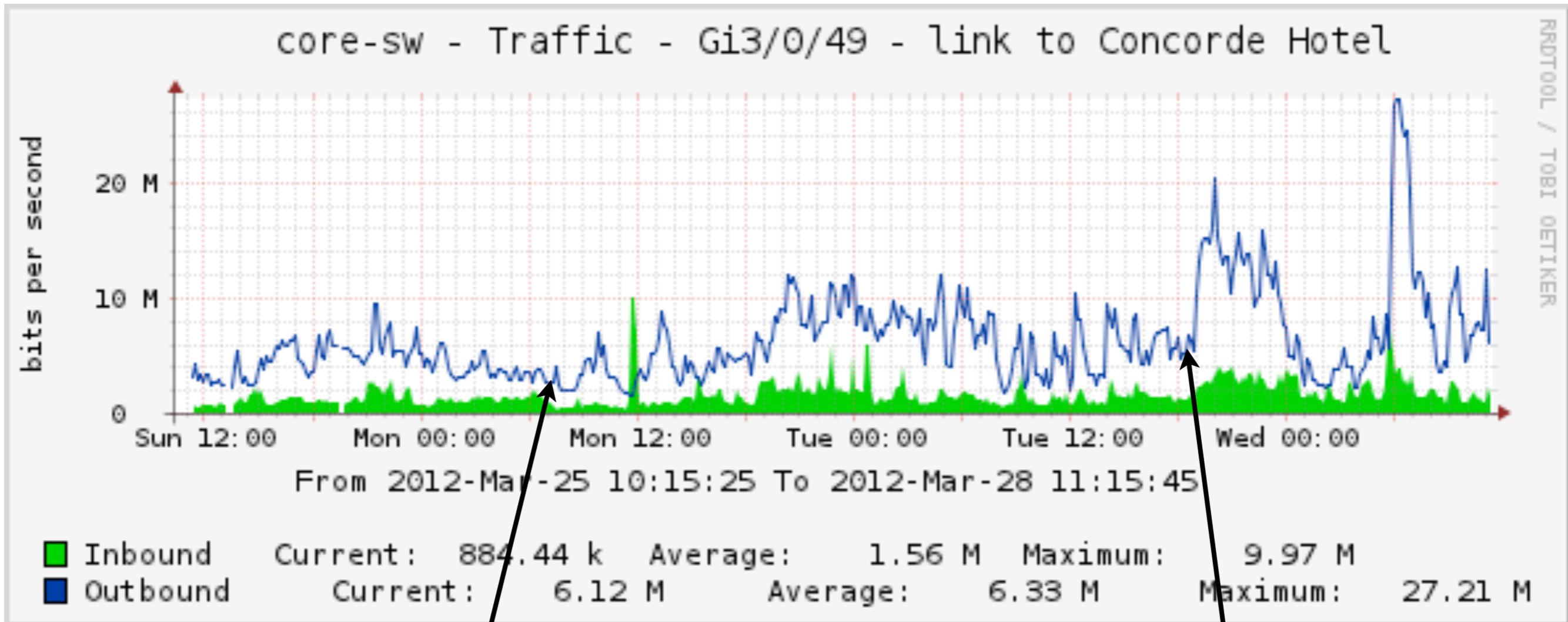
All Radios at Lower Power (10db), many disabled
Disabled 1mbps data rate & reduced receiver sensitivity
All at 2.4 Ghz (b/g)

Tuesday Night



Moved to 8 x 2.4ghz (Channels 1, 5, 9, & 13) and 2 x 5ghz
Moved back to full power to penetrate walls

Progress!



First Changes

Second Changes