

The Need for 6GHz Connecting Our Digital Future

Rishant Dahiya Technical Solutions Architect- Wireless

Cisco India & SAARC

നന്ദി

ka lawm e

ধন্যবাদ

நன்றி

Thank You

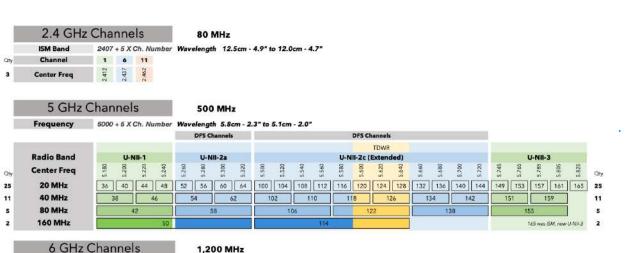
शेँ अवट

ధన్యవాదాలు

Tuhāḍā dhanavāda ಧನ್ಯವಾದಗಳು

Shkaria

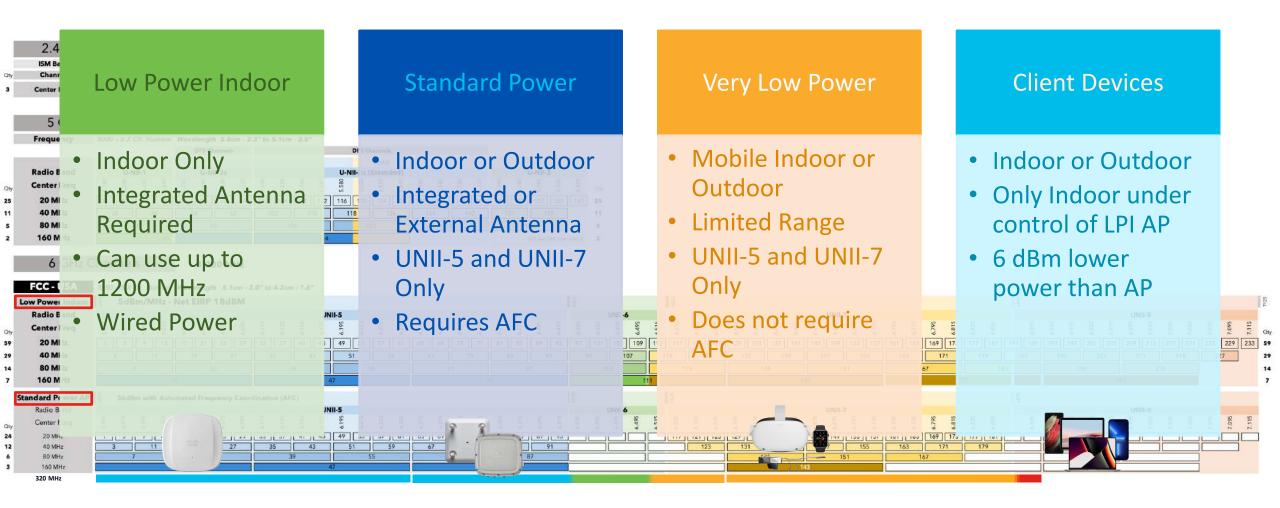
6GHz will provide Wi-Fi room to grow



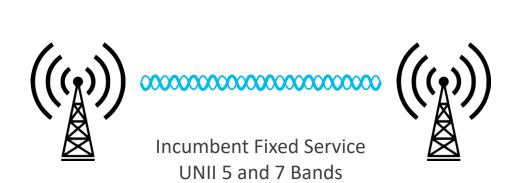
"...the 6 GHz band [is] an opportunity to begin considering... spectrum sharing techniques in order to provide access for new services in the band while maintaining access and protection for existing services." — ISED



6GHz Device Classes



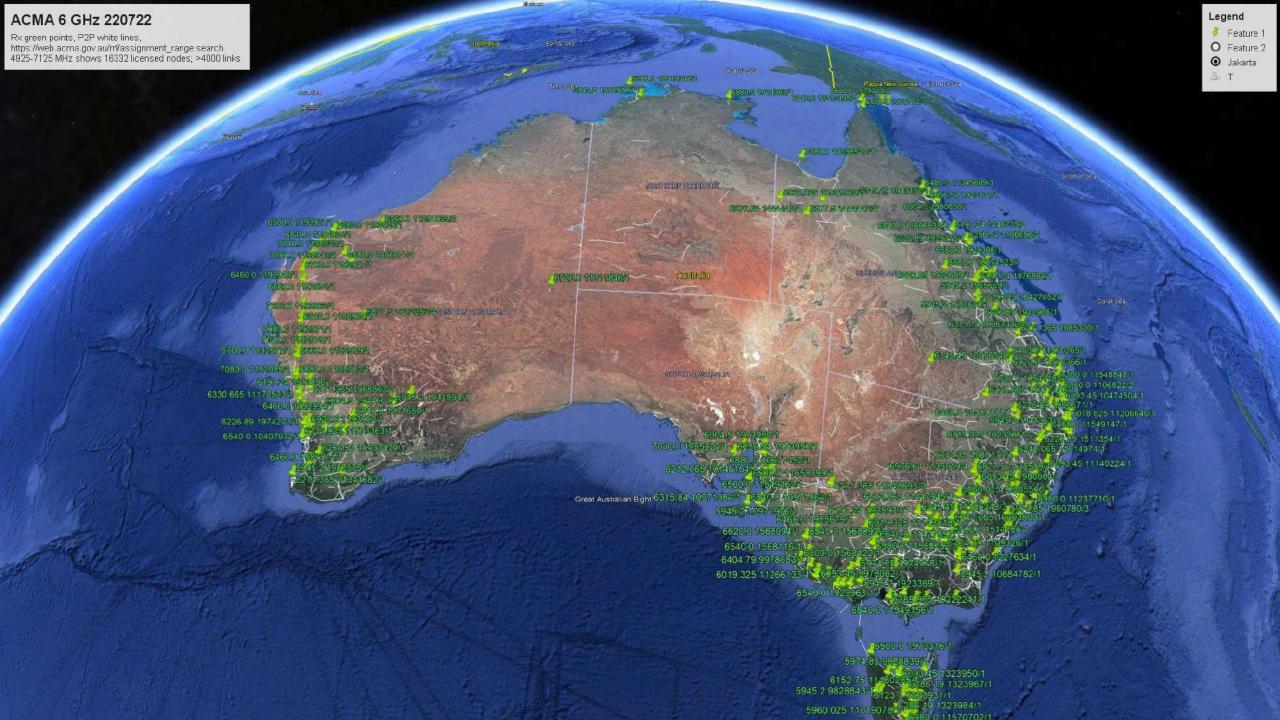
Automated Frequency Coordination





ACMA Register of Radiocommunications Licences

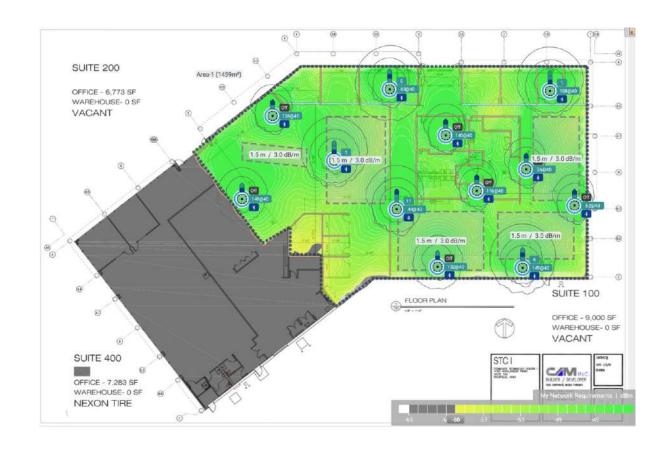




The **Need** for 1200MHz

- In the 5GHz band, 40MHz is the sweet spot for high density designs at a 12m spacing minimum
- A reduction of just 1m will lead to an unacceptable increase in cochannel interference

Area	1K ft ² / 93 m ²		1.2K ft ² / 111 m ²	1.5K ft ² / 130 m ²
BW	80 MHz	40 MHz	40 MHz	40 MHz
Pass/Fail				







The bridge to possible