Solving the Mystery of Wyler's Web

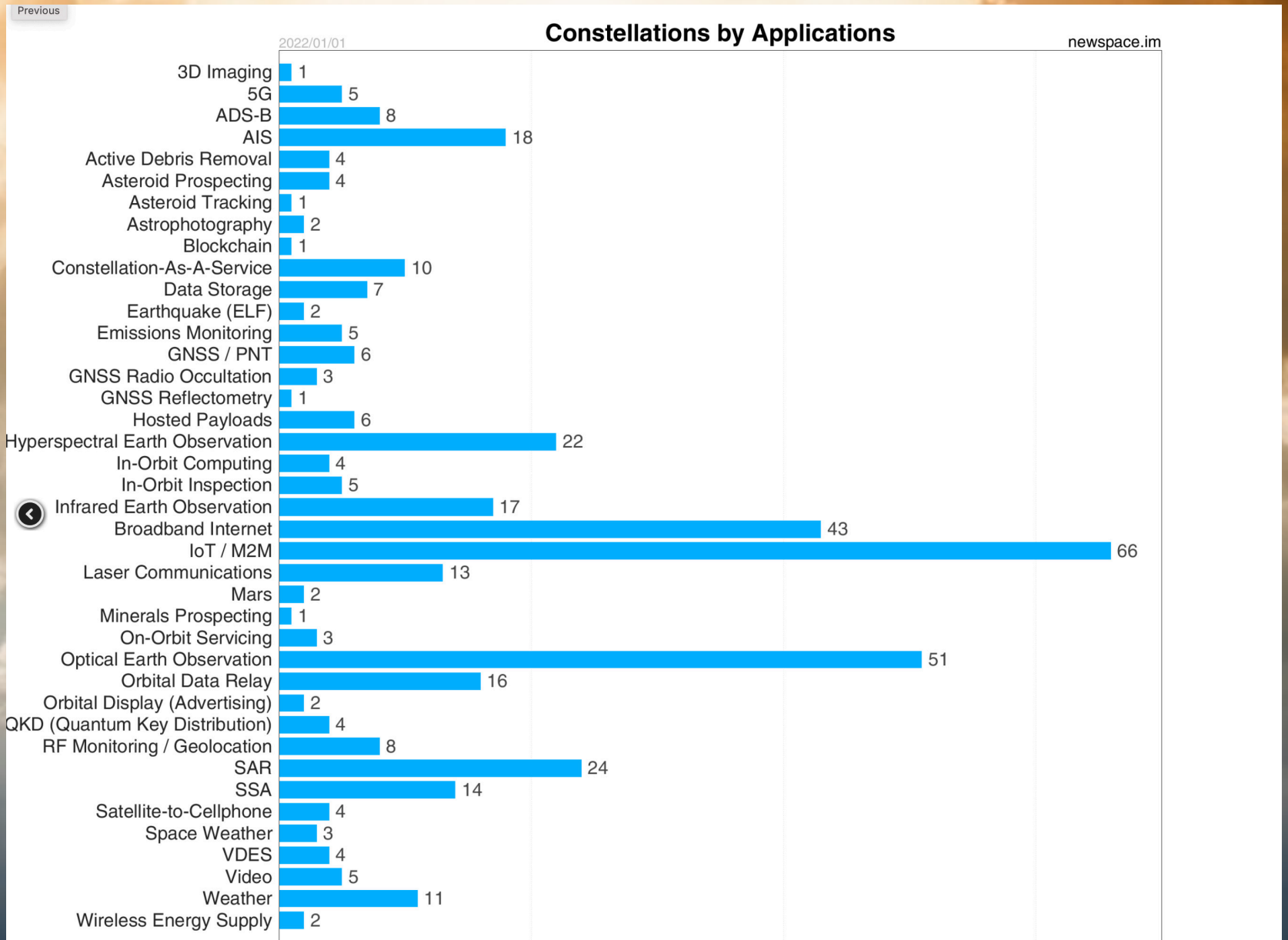
Satellite Mobility World

March 11, 2022

Wyler's Frequency Filings (Via Rwanda)

- L-band: 427-1429
- S-band 2025-2290
- X-Band: 7900-8400
- V-Band: 59300-76000
- W-band:81000-86000

Too Many Constellations



IOT Market

- Over 66 constellations planned
- Astrocast, Hiber, Fleet Space, SatelloT, Omnispace and Iridium and Inmarsat and many more
- 100,000 satellite must be very tiny, less than 1u, to minimize launch costs. Tiny satellites would require expensive ground terminals with large antennas and be uneconomic in an IoT environment

Broadband Satellite Frequencies

- Ku- Band: OneWeb 1st Priority, Starlink, 2nd
- Ka-Band: Telesat 1st Priority, Kuiper 2nd
- V-Band: Boeing approved, Astra and Rwanda applications in process

Open Frequencies

- Ku and Ka-band: Closed available on in 3rd priority
- V-Band: Frequencies still available, only Boeing filing approved at low-end of V-band

Additional LEO's Planned

- EEC Broadband – Funds Available
- AstraSpace: Filing in V-Band
- Other Nation states
- Mega Corporations

Wyler's Filing (Via Rwanda)

- 16.6 GHz in V-Band
- 100,000 satellite
- First Satellite launch planned March 2022 others "On Deck"

If Wyler Wins Priority for 16 GHz of V-Band

- Any entity that want to launch a broadband LEO must be in V-Band
- With 100,000 satellites and 16 GHz of Spectrum, coordination would be impossible
- He doesn’t need to launch a constellation, only a few satellites to secure a priority position. He can then demand cash or stock in exchange for his priority position


Thank You