



The likely relationship between Satellite and Mobile

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EXPERT
INSIGHT

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MOBILE EXPERTS

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Introduction

- What role will NTN (Non Terrestrial Networks) play in the trillion-dollar mobile market?
- Will roaming, FWA, or other use cases justify the investment in 3GPP standardization?

What's Happening and When

- Pricing for satellite broadband offerings
- Cost analysis for Satellite Coverage vs. Rural Terrestrial Coverage
- Cost analysis for high capacity: Satellite vs. Terrestrial Fixed Wireless Access (Cost per GB)

What Applications are the best fit?

- Remote Users
- IoT Applications
- Access in Restricted Countries

Satellite FWA may succeed but for limited use

- Key assumptions that must be met for Satellite FWA to succeed

Bankruptcy may present an opportunity

- Historical context of bankruptcy in Iridium, Globalstar, and other satellite networks
- How a bankruptcy might play out in making satellites much cheaper

How the Business Model will Adapt

- Direct phone-to-satellite prospects, pros and cons

Conclusions

Illustrations:

Figure 1: 3GPP work related to NTN

Figure 2: A cool picture of a launch

Figure 3: Cost per GB comparison, Satellite vs Terrestrial mobile (5G)

Figure 4: Capacity calculations per satellite vs. demand per satellite