



20<sup>th</sup> Edition

# Satellite Capacity Supply & Demand

June 2023

## DISCLAIMER

### **Northern Sky Research LLC, an Analysys Mason company**

Whilst we have used reasonable care and skill to prepare this publication, we are not responsible for any errors or omissions, or for the results obtained from the use of this publication. The opinions expressed are those of the authors only. All information is provided “as is”, with no guarantee of completeness or accuracy, and without warranty of any kind, express or implied, including, but not limited to warranties of performance, merchantability and fitness for a particular purpose. In no event will we be liable to you or any third party for any decision made or action taken in reliance on the information, including but not limited to investment decisions, or for any loss (including consequential, special or similar losses), even if advised of the possibility of such losses.

No reference should be made to Northern Sky Research LLC, or Analysys Mason in a regulatory statement or prospectus on the basis of this publication without our prior written consent.

© Analysys Mason Limited and/or its group companies 2023.

Executive Summary

Regional Markets & Trends

- North America (NAM)
- Central America and Caribbean (CAMCB)
- South America (SAM)
- Western Europe (WEU)
- Central and Eastern Europe (CEEU)
- Middle East and North Africa (MENA)
- Sub-Saharan Africa (SSA)
- East Asia (EA)
- South Asia (SA)
- South East Asia (SEA)
- Atlantic Ocean Region (AOR)
- Indian Ocean Region (IOR)
- Pacific Ocean Region (POR)

## Executive Summary

- Global Revenues for Leased C-, Ku- & Widebeam Ka-Band TPEs by Application
- Global Commercialized FSS Capacity Supply
- Global Revenue GEO-HTS
- Global GEO-HTS Bandwidth Supply
- Global Revenues for Leased Non-GEO HTS Bandwidth by Application
- Global Non-GEO HTS Supply Scenarios
- Global Market Share of Leased C-, Ku- and Ka-Band TPEs, 2022
- Global Market Share of Leased GEO-HTS Capacity, 2022
- 2022-32 Cumulative Video Revenues (USD Millions)
- Backhaul & Trunking Revenues
- Enterprise Data Revenues
- 2022-32 Cumulative Broadband Access Revenues (USD Millions)
- Mobility Revenues
- 2022-32 Cumulative Gov/Mil Revenues (USD Millions)

Regional Markets and Trends

NAM

- Total TPE & Bandwidth Demand
- Total Capacity Supply
- Total Capacity Revenue by Application
- Non-GEO HTS Forecast Comparison

CAMCB

- Total TPE & Bandwidth Demand
- FSS Fill Rates
- Total Capacity Revenue by Application

SAM

- Total TPE & Bandwidth Demand
- Total Capacity Revenue by Application
- Total Capacity Supply
- Market Share of Leased C, Ku, and Ka-band TPEs, 2022
- Market Share of Leased GEO-HTS Capacity, 2022

WEU

- Total TPE & Bandwidth Demand
- Total Capacity Supply
- GEO-HTS Ku-band Demand by Application, with Total Supply and Revenues
- GEO-HTS Ka-band Demand by Application, with Total Supply and Revenues
- Non-Geo HTS Demand by Application, with Total Supply and Revenues

CEEU

- Total TPE & Bandwidth Demand
- Total Capacity Supply
- Non-GEO HTS Forecast Comparison
- Total Capacity Revenue by Application
- Total Revenues (%) by Frequency

MENA

- Total TPE & Bandwidth Demand
- Total Capacity Revenue by Application
- Total Capacity Supply
- FSS Fill Rates
- HTS Fill Rates

SSA

- Total TPE & Bandwidth Demand
- Total Capacity Supply
- Total Capacity Revenue by Application
- GEO-HTS Ku-band Demand by Application, with Total Supply and Revenues
- GEO-HTS Ka-band Demand by Application, with Total Supply and Revenues
- Non-Geo HTS Demand by Application, with Total Supply and Revenues

EA

- Total TPE & Bandwidth Demand
- Total Capacity Supply
- Total Capacity Revenue by Application

SA

- Total TPE & Bandwidth Demand
- Total Capacity Revenue by Application
- Market Share of Leased C, Ku, and Ka-band TPEs, 2022
- Market Share of Leased GEO-HTS Capacity, 2022

SEA

- Total TPE & Bandwidth Demand
- Total Capacity Supply
- Total Capacity Revenue by Application
- GEO-HTS Ku-band Demand by Application, with Total Supply and Revenues
- GEO-HTS Ka-band Demand by Application, with Total Supply and Revenues
- Non-Geo HTS Demand by Application, with Total Supply and Revenues

AOR

- Total TPE & Bandwidth Demand
- Total Capacity Supply
- Total Capacity Revenue by Application

IOR

- Total TPE & Bandwidth Demand
- Total Capacity Supply
- Total Capacity Revenue by Application

POR

- Total TPE & Bandwidth Demand
- Total Capacity Supply
- Total Capacity Revenue by Application

## PREFACE



**Lluç Palerm**

Principal Analyst  
Lluç.Palerm-Serra@analysismason.com



*The Satcom industry has a massive opportunity ahead as verticals like Broadband, Mobility and Backhaul develop. In the future's multi-architecture networks, success will come from how well the different elements are orchestrated. The industry's goal should be seamless integration to facilitate adoption. Satcom will succeed by making Telcos successful. It should be Telcos' new differentiator and growth engine.*



**Vivek Prasad**

Senior Analyst  
Vivek.prasad@analysismason.com



*Non-GEOs are advancing rapidly, and it is evident from Starlink's satellite launch pace & customer acquisition, OneWeb's constellation completion and O3b mPower's progression. These will result in various reshuffling of Satcom's ecosystem dynamics as incumbents strategize to build multi-orbit solutions or/and consolidate.*

Dear Reader,

Thank you very much for the purchase of this report.

The Satcom industry grew in 2022, but this expansion was captured by Starlink and a few other GEO operators. Many of the GEO operators registered revenue declines. With the industry consolidation and arrival of LEOs, this trend will likely continue with a few actors absorbing most of the opportunities. In this context, it is crucial to seek the strategies capable of delivering growth.

Within traditional wholesale verticals, Video will inevitably decline, but it is still a huge cash generator that cannot be ignored. Broadband Access will be the fastest growing vertical, but its business model has multiple associated challenges. Growth in Mobility is impressive as trends like free Wi-Fi consolidate. Backhaul and Enterprise Data also show great potential.

In all cases, actors will need to adapt their business models. For example, MNOs now require end-to-end services or Enterprise customers value new services like SD-WAN and Cloud.

What is certain is that capacity is commoditizing. Operators need to embrace it and seek new sources of differentiation including adopting standards for integration with the Telco ecosystem, foster new ecosystems of partnerships within the industry and with Telcos, or cultivate new value-added services and growth markets.

As always, we remain available for any clarification needed on the data and elements discussed in this or any of the reports on NSR's library. We truly appreciate your trust and support with the purchase of this report.

Enjoy the reading,

Vivek Prasad and Lluç Palerm



[@NSR Satcom](https://twitter.com/NSR_Satcom)



NSR on [LinkedIn](#)

NSR, an Analysys Mason company

[info@nsr.com](mailto:info@nsr.com) | [www.nsr.com](http://www.nsr.com) | +1 (617) 674 - 7743