

WHAT IS **AST**SpaceMobile ?

The First and Only Space-Based Cell Tower Provider to Mobile Network Operators



**Coverage
Everywhere**
Eliminate cellular coverage
gaps and dropped calls




**Broadband
Data Speeds**
High data rates with low-latency,
cellular-quality service levels



**Compatible with all
Existing 5 Billion Mobile Phones**
Provide seamless service with no
modifications to the phone



**Connecting the
Unconnected**
Be affordable for all, including
rural and underserved



SpaceMobile
Will Connect
Directly to
Regular Phones

Global Coverage

Phase 1: Service launch 2023. Key global markets added to SpaceMobile network on a rolling basis.



2nd test satellite BlueWalker 3 planned launch window of March 2022

Perform pilot tests in many South American, African and Asian Markets in 2022

Phase 1
20 satellites - equatorial constellation

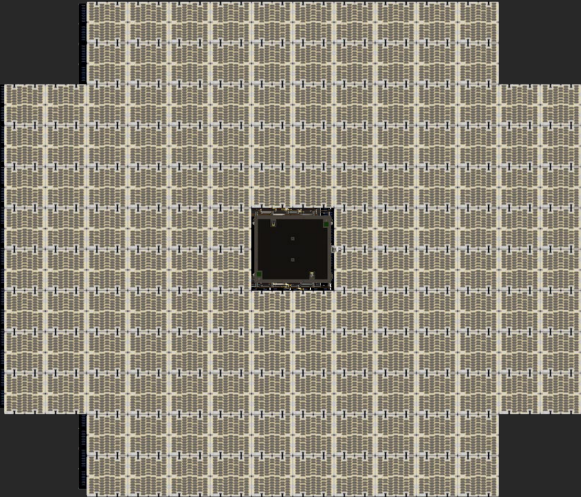
Phase 2
45 satellites - North America, Europe and Asia

Phase 3
45 satellites - full global Coverage

Phase 4
58 satellites - full global MIMO coverage with faster data rates

Superior space-based low-latency broadband architecture

SpaceMobile will offer connectivity from low Earth orbit, akin to cell towers in space



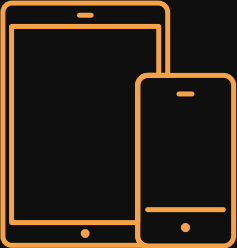
Satellites at 700km altitude offer low-latency and attractive look angles

Large satellites create over 1 million fixed terrestrial cells globally with broadband capacity

Low- and mid-band frequencies shared with wireless partners on non-interference basis

High-throughput Q/V-band feeder links for backhaul

Direct link to unmodified mobile phones and other cellular devices



Gateways / Partner Network



Terrestrial Telecom Network

AST SpaceMobile differentiation

1. AST SpaceMobile market size based on GSMA Intelligence estimate of total cellular wireless market spend.
2. As of September 30, 2021.



Only pure play, low Earth orbit (LEO) broadband communications company that is publicly-traded



Novel technology solution applicable to a market of 5 billion mobile phones and the related \$1 trillion TAM¹



Jointly going to market, not competing, with mobile network operators with hundreds of millions of subscribers



Revenue share business model designed to allow users to sign up with a simple text message



Approximately \$360 million cash and cash equivalents to fund business operations and the first phase of production spacecraft²