

Apple and Satellite Capabilities

Source:



The main source for this presentation is a financial and investment news source called Seeking Alpha. An interesting article appeared today about iPhones and satellite connections.

Apple's Satellite Strategy

- **began with iPhone 14**
- **all subsequent iPhones**
- **Apple Watch Ultra 3**
- **can make SOS calls via satellite**



Apple's initial step into satellite connectivity began with the iPhone 14. Phones released since then, plus the Apple Watch Ultra 3, have the capability to make Emergency SOS calls through satellites. Now Apple's expansion into satellite technology is starting to look less like a feature for emergencies and more like a deliberate long-term infrastructure investment.

Apple's Satellite Strategy

- **Moving toward reducing reliance on third-party services**
- **Satellite Connectivity Group**
- **first came chips, modems, and cloud services...satellites?**

Apple has an in-house Satellite Connectivity Group, which has a five-year partnership with Globalstar. Globalstar allows Apple control over a portion of the satellite's network exclusively for iPhone services.

Now it has come out that Apple is hiring engineers and network specialists with experience in satellite data systems, ground stations, and space communications architecture.

These signals suggest the company is developing expertise that extends beyond consumer features. Apple is moving to reduce its dependence on third-party providers. The company now produces its own chips, modems, and cloud services. Satellites may be next.

Apple's Satellite Strategy

Possible new satellite features . . .

- **App developers can add connectivity**
- **Maps**
- **Messaging**
- **Indoor connectivity**
- **5G Non-Terrestrial Network**

The word among insiders is that Apple will soon allow developers to add satellite connections to their apps, Apple Maps and Messages will work off satellites, users will be able to connect to a satellite system while indoors, and the most interesting feature that has come to light is 5G Non-Terrestrial Network capabilities, which is expected in next year's iPhone series.

Impressed?

<https://seekingalpha.com/news/4519290-apple-plans-new-features-for-iphone-satellite-services-report>

<https://applemagazine.com/apple-satellite-strategy-long-term-infrastructure/>

That's summarizes the article that came out today. I've included two links to articles on this subject if you want to read more.