



Cuba Integrated Signal Base Station Energy Method

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Why is Cuba a strategic location for signals intelligence (SIGINT) gathering?

Cuba offers a unique strategic position for signals intelligence (SIGINT) gathering, being located less than 160 kilometers from the coast of Florida, close to vital U.S. military infrastructure. This provides China with significant intelligence insight into the United States.

Did China build a new 'secret signals' facility near Santiago de Cuba?

Here's what a new report found In the report "Secret Signals: Decoding China's Intelligence Activities in Cuba," published by the Center for Strategic and International Studies on July 1, the authors detected the construction of the new facility intended to collect signals intelligence near a neighborhood called El Salao, east of Santiago de Cuba.

Could data from Cuba improve China's military capabilities in the Western Hemisphere?

The data collected from Cuba could enhance the technological capabilities of the People's Liberation Army (PLA), providing Beijing with a unique insight into Washington's military and security activities in the Western Hemisphere. The growing influence of China in Cuba is closely linked to the economic crisis the island is experiencing.

Could major changes at Cuban SIGINT sites indicate an escalation?

Major changes at Cuban SIGINT sites could indicate an escalation in Cuban--or Chinese--efforts to collect intelligence on the United States. Written by Matthew P. Funaiolo, Brian Hart, Aidan Powers-Riggs, and Joseph S. Bermudez Jr.. Satellite imagery support by Jennifer Jun. Special thanks to Ryan C. Berg and Henry Ziemer.

There are three SIGINT ground stations deployed throughout Cuba, concerned with monitoring signals from the United States, Latin America, and Europe. The two largest SIGINT stations ...

systematically erode U.S. strategic advantages without ever firing a shot. The geographic proximity of suspected PRC-linked facilities in Cuba to sensitive U.S. installations, including ...

Integrated Sensing and Communication Enabled Multiple Base Stations Cooperative Sensing Towards 6G

Publisher: IEEE

Cuba is building a new spy base near the city of Santiago de Cuba that will be capable of tracking U.S. air and maritime military movements thousands of miles away, ...

This paper investigates energy-efficient communication within an integrated sensing and communication system. The system employs a dual-function radar-communication base station.

Near Santiago de Cuba, this new facility has been under construction since 2021. Equipped with advanced high-frequency direction finding (HFDF) systems, it has the capability ...

ISAC signal for ISAC-MCS: ISAC signals in the scenario of single-BS sensing are widely studied. The ISAC signal design and optimization for ISAC-MCS are still in the infancy stage.

Cuba is actively looking to partner internationally on energy initiatives. Agreements with Russia primarily focus on modernizing existing thermal facilities and possibly constructing new ones.

NSGB operates as an islanded base in Cuba with no outside connection to electric or water utilities. All electricity and fresh water is generated using electricity provided by aging diesel ...

Satellite imagery of another key Cuban site shows a halt in construction, raising new questions about the scope and direction of Cuba's SIGINT efforts--and their possible ...

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