



# IOT Systems, LLC

## IOT Systems Services and Products

*IOT Systems, LLC is a complete satellite services company continuing the mission begun over 40 years ago with the launch of Early Bird: fostering the growth of the commercial communications satellite industry.*

### Services:

#### **Satellite Business Services-**

Our goal is to help our clients perform the tradeoffs among technology, regulatory, business, financial, and marketing factors that will enable them to formulate a winning strategy.

#### **Satellite Procurement Services-**

IOT Systems staff have as much as 40 years experience in the satellite communications field—in some cases dating back to COMSAT's Early Bird in 1965. We can provide this expertise to you.

#### **Earth Station IOT Services-**

How much consideration have you given to the in-orbit testing of your new satellite? How well did it survive the launch? What is its real in-orbit capacity? IOT Systems can provide the answers cost-effectively with its new state-of-the-art in-orbit test (IOT) system and services.



#### **Satellite Engineering-**

Let IOTS show you how our Satellite Engineering and Operations Services can meet your individual satellite needs— with the quality and reliability only IOTS can deliver.

#### **Antenna Systems Consulting Services-**

IOT Systems provides consulting services for a wide range of antenna applications for satellite and other services. These include both earth station and satellite antennas as well as antennas for terrestrial wireless communications.

#### **Antenna Measurements Verification and Calibration-**

IOT Systems offers unique expertise in characterization and measurement of L, S, C, X, and Ku-Band antenna systems for earth station and satellite applications.

#### **Propagation Models and Measurements-**

IOT Systems personnel has developed propagation models which are capable of providing accurate propagation predictions for satellite systems up to V-band frequencies.

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## Products:

### Standard In-Orbit Test System-

IOT Systems' Standard In-Orbit Test System provides satellite operators and manufacturers with in-orbit spacecraft transponder measurements, processing and control software, and proven hardware design.

### Ka-Band Radiometer Systems-

Radiometers are highly sensitive receivers designed to measure thermal electromagnetic emission from material media. IOTS has substantial experience through our COMSAT Laboratories heritage in designing and fabricating radiometers, as well as interpreting the data collected.

### Contact Us:

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### Communication Satellite Monitoring (CSM) System-

By continuously monitoring satellite spectra- unattended and based on user settable criteria- the IOTS communications satellite monitoring (CSM) system alerts satellite operators of any system degradation.

### Earth Station Facilities- Design, Engineering, Installation, and Support-

IOT Systems specializes in the design, engineering, and installation of fixed earth station facilities and equipment around the world.

### Antenna Verification Program-

The COMSAT Antenna Verification Program is a software program developed by our personnel at COMSAT Laboratories to fully characterize antenna RF performance.



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