

# Antenna Systems Consulting



# IOT Systems, LLC<sup>®</sup>

## 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. Our area of expertise covers all stages of antenna system design, development and testing. IOT Systems' in-house developed analytic tools for phased array, multi-reflector and multi-feed antenna systems, and earth coverage simulations are used extensively for the initial design stages. Our experience in custom designing antenna feeds and probes has resulted in many proprietary designs, which have high performance, excellent bandwidth and high polarization purity. Our outdoor range, along with in-house developed automated antenna test and verification software, enable us to measure and type approve antennas with frequencies up to Ka-Band and beyond. IOT Systems' experience has been instrumental in the design of many satellite systems which have been deployed worldwide.



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. The antenna group at IOT Systems is well positioned to handle complex antenna design and analysis tasks, as well as support accurate measurements of antenna reflectors and feeds at Ka-band and higher frequencies, in support of future broadband communications systems. The group continues to make improvements in antenna measurements, analysis and synthesis techniques and develops state-of-the-art antenna feeds and reflector designs.

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*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.*



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