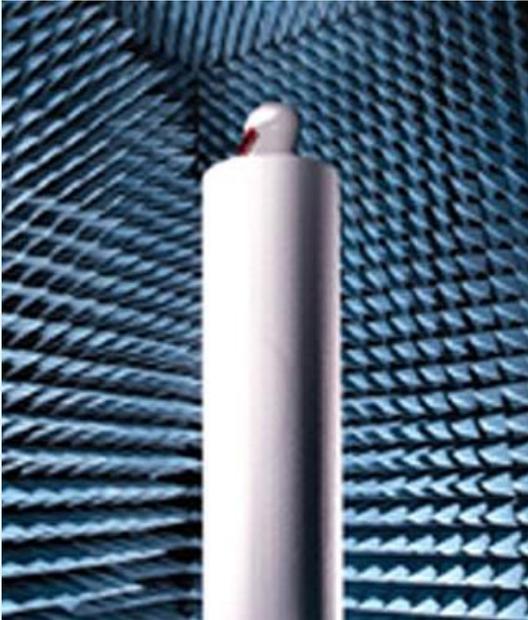


IW1 - From Materials to Orbit: Advancing Antenna Technologies for Next-Gen Connectivity



Abstract:

This workshop explores cutting-edge antenna innovations spanning terrestrial and non-terrestrial networks. Participants will examine electromagnetic transparency techniques that enable compact, multi-band base station antennas to share apertures while minimizing interference. The program also addresses the challenges of next-generation satellite terminals, highlighting methods for achieving and validating robust circular polarization performance under dynamic NTN conditions. Together the workshop presentations provide a cohesive view of the materials, architectures, and testing environments shaping future wireless connectivity.

Workshop Outline:

This workshop consists of three 30-minute talks given by speakers from industry. The presentations will be practical and application-oriented, enabling attendees to learn measurement techniques and troubleshooting methods they can apply in their work. The goal is to provide an informal and highly interactive workshop that encourages exchange between the speakers and the audience. Speakers include Andy Chung, Director of Wireless Solutions at ETS-Lindgren (Taiwan), and Juan Antonio del Real, Sales Director for EMEA at Maury Microwave (France).