

ANTENNA ON PLATFORM

ANYWAVES

Control material to master waves

*From UHF to Ka-Band
Custom platform
Final performance optimization*

Antenna performance on small platforms, like CubeSats and Drones, can be modified by the platform itself and other equipment (solar panels, payload instruments, other antennas, etc).

Final performance can thus yield results that differ from the initial antenna specifications with a significant modification of the radio frequency link. ANYWAVES® offers to manage this issue through a:

▪ *Simulation Campaign*

ANYWAVES® analyzes the antenna performance on the platform and optimizes the location of the antennas based on simulations using professional electromagnetic software.

ANYWAVES® provides different recommendations for your antenna placement on the platform, along with the final antenna performance. Coupling analysis between different antennas is also part of our know-how.



▪ *Test Campaign*

With or without a simulation, it is important to measure final antenna radiation performance. ANYWAVES® offers to validate this through a test campaign.

Placed on your real satellite or a representative mock-up, we measure all antenna performance: adaptation, radiation pattern, polarization, etc.

Benefits

- ✓ Final performance characterization
- ✓ Optimization of you antenna placement
- ✓ Guarantee of your final performance