

GTARS



Ground-to-Air Radar Signatures

Radar signature measurement for dynamic airborne targets of today and tomorrow



 **STAR DYNAMICS**
CORPORATION

FORLIFT HERE ONLY

LIFT
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GTARS

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GTARS long-range, wideband RCS signature and LO verification radar is an advanced, cost-effective solution for programs that develop, test and evaluate dynamic, maneuvering airborne LO platforms and weapon systems.

GTARS boasts a pedigree of more than 100 RCS, radar signature and LO/CLO legacy systems. These products contributed to a highly-reliable, high-reuse design and the lowest possible total cost of ownership over the product lifetime.

GTARS Key Performance Attributes

Long-range LO RCS and radar imaging

-20 dBsm single-pulse sensitivity at 100 km

High-power pulsed RF architecture

Ultrawide bandwidth, high-resolution waveforms

NB/WB/UWB RCS signatures, 1D/2D imaging

Glint angle measurements

Full scattering matrix collections

Dual beamwidths for long/short-range collections

Precision antenna positioner, $50^\circ/s$, $50^\circ/s^2$

Embedded monopulse radar tracking

Online real-time/post-processing workstation

Data storage—Up to 32 TBytes

Advanced human-machine interface

Slave tracking by TM, radar and EOIR

Remote operation via fiber or wireless

Highly-mobile, rapid set-up (<1 hr)

