

# Microwave Specialty Company

A division of Rantec Microwave Systems  
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## Threat Emitters / Simulators

Threat emitter / simulator systems provide training for combat aircrews and simulate a real battle space environment. These systems are designed to train military personnel to identify and counter enemy threats. Antennas for threat simulator systems typically have the following requirements:

- High power capability
- Multi band frequency
- Dual polarization
- High Tx – Rx Isolation
- Fixed, mobile, airborne, or shipboard platforms
- Ruggedized for extreme environment
- Manual or automated feed rotation



**0.7 - 40 GHz Coastal Threat Emitter**

Microwave Specialty Company's 40,000 square foot design, manufacturing, and test facility is ideal for threat emitter / simulator projects. Using our 40 years of design experience and in house tooling, MSC can offer flexible design solutions, reduced lead times, and cost effectiveness.

Once built, MSC can assemble the completed system on our antenna range and provide system performance measurements in the final simulator layout. This is especially ideal when high isolation is required between transmit and receive antennas. Using this information, MSC can then recommend the optimum arrangement for the antenna system.

Contact us today with your requirements.  
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**0.5 - 40 GHz Mobile Threat Emitter**