

Radio Trials Centre (RADEX)

The Radio Trials Centre (RADEX) offers a wide range of measurement capabilities supported by onsite expertise in radio systems to meet test requirements, de-risk projects and offer cost saving benefits.

Our capabilities include ground and airborne testing of aircraft communications, radio navigation, radar, electronic warfare and other Radio Frequency based systems. We offer a full suite of communications systems that delivers the flexibility to support your requirements and equipment.

Features include:

- Automated and calibrated measurements suite covering 2MHz to 18GHz
- Identification Friend or Foe (IFF) interrogation and measurement system covering all current military modes
- 200 nautical miles of calibrated airspace for trials aircraft
- Mobile measurement facility for remote site
- Off-air management system – RADAS (RADEX Automated Data Acquisition System)
- Electromagnetic Compatibility (EMC) Testing of Complete Aircraft Systems
- Antenna modelling software – two software applications available to compute the radiation pattern of antenna mounted on a variety of structures
- Frequency Agile, including HAVE QUICK and SATURN with coordinated Universal Time (UTC) synchronisation
- Playback of voice communication recordings during flight trials



De-risking projects and offering cost saving benefits