



SUCCESS STORY

Custom MMIC Based IMAs for Defense OEMs

Helping our customers reduce design time and manufacturing cycles

Spectrum Control has a wide ranging heritage in supporting large defense OEMs in subsystem design and long term manufacturing. This is why companies come to us for assistance with many types of IMAs (Integrated Microwave Assemblies).

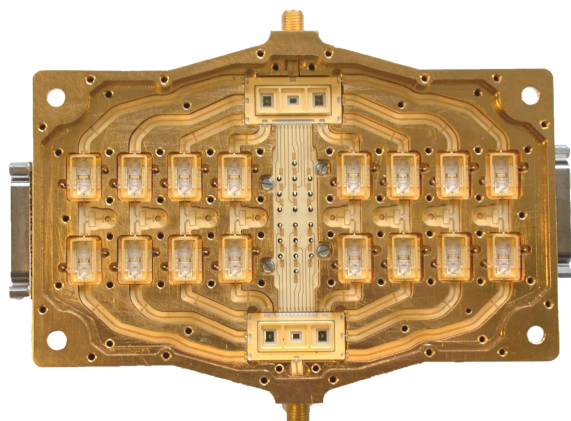
Spectrum Control provides design and manufacturing expertise for build-to-specification and build-to-print MMIC (monolithic microwave integrated circuit) based IMAs. These include TR modules, Switch Matrices, Synthesizers, Down/Up Converters and Solid State Power Amplifiers, among others.

MIL-Qualified Manufacturing Centres

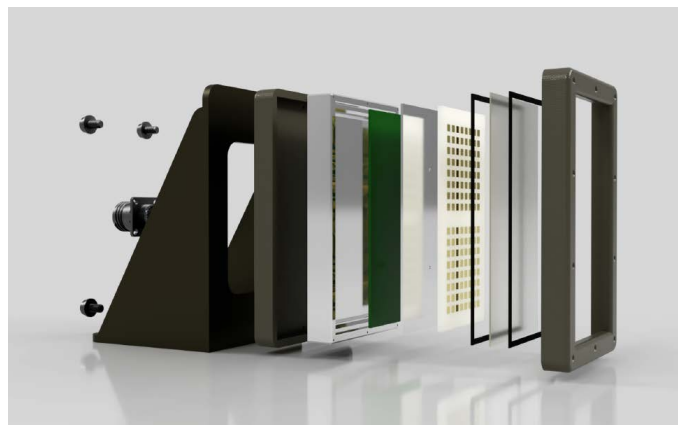
Our in-house design teams in the US and UK leverage state of the art design tools and standard and customized MMIC devices to achieve critical specifications such as RF, electromagnetic, mechanical, thermal, and stress analysis.

Spectrum Control can assist with anything from build-to-print through to full custom design for MMIC based IMAs

These MIL-qualified manufacturing centres support manufacturing of MMIC based IMAs to the highest quality standards, harnessing our high volume manufacturing techniques and equipment.



A custom IMA



Spectrum Control's Muzzle Velocity Radar. One example of our Integrated Microwave Assemblies

Design-Build Partnership

Spectrum Control serves as an extension of our customers' system design team, working in partnership from concept development to bread-boarding, to full rate manufacturing of the design. This reduces design time and manufacturing cycles for our customers.

Markets and Applications

Spectrum Control's experienced design teams can assist with a wide range of Military markets and applications, including:

- Radar/Naval/Air/Ground/Vehicles
- Missile Guidance/ fuse/ Data link
- Satellite Ground Stations
- Communications - HF - V and W Bands
- Electronic Warfare applications
- UAV