

## ***PRESS INFORMATION***

23 October 2015

*Preview for:*

52<sup>nd</sup> Annual AOC International Symposium and Convention  
Washington, DC  
1-3 December 2015

### **See TMD's latest, advanced solid state and TWT based MPMs at AOC 2015 on Booth 430 - with daily live demonstrations of new solid state MPM**

It is anticipated that the advanced solid state and TWT (Travelling Wave Tube) based MPMs (Microwave Power Modules) showcased on TMD's **Booth 430** will be of major interest to this year's traditional gathering of the specialist international EW community at the AOC Symposium 2015 in Washington DC.

Furthermore, TMD Technologies Ltd (TMD UK) will be giving live daily demonstrations of the exceptional performance of its new solid state PTS6900 MPM – an advanced MPM optimised for EW/ECM systems.



*TMD will be giving live demonstrations of its latest solid state PTS6900 MPM, with the unit operating into a dummy RF load and the resultant output power shown on a laptop.*

Said Nigel Hann, Head of Sales, TMD UK: “AOC is an important event for highlighting our latest amplifiers, tubes, power supplies and MPMs for EW applications – as well as being a great opportunity to catch up with our friends in the EW community, and our US colleagues from TMD Technologies, LLC (TMD US)! In keeping with our philosophy of giving our customers the benefit of both solid state products - such as the new PTS6900 - and tube based products operating at high frequency and high power, we will be exhibiting our new TWT based PTXM Series MPMs.”

Also emphasising the importance of AOC, Mike Farley, CEO, TMD US commented: “We are all looking forward to showing our customers the outstanding performance of the PTS6900 MPM with our live daily demonstrations – which were well received at DSEI 2015 in London, UK in September.”

***On Show: New solid state MPM optimised for EW/ECM systems - and TWT based MPMs that are ideal for UAVs!***



*Attracting visitors to TMD’s booth at AOC will be (left to right): new solid state PTS6900 MPM, fast-warm Ku band TWT, and PTXM Series TWT based MPM.*

Employing the latest advances in 0.25 µm GaN MMIC technology, the new PTS6900 solid state MPM is a good example of TMD's proven expertise, not only as a progressive design and manufacturing SME, but also from its inherited knowledge gained from over 70 years at the forefront of RF power innovation.

Providing first-rate performance over the 2-6 GHz range, the ITAR free PTS6900 offers an output power of 150 W and adjustable 55 db gain – *plus* an instant start up, fast 1 µs mute time, and over 30,000 hours predicted MTBF.

The new PTXM Series TWT based MPMs; weighing in typically at only 1.7 kg, offer arguably the highest power density obtainable in their class!

With their very compact and low weight design – and operating from 4.5 to 18 GHz with output powers up to 140 W – the units are ideal for UAVs.

***... more products***

Also featured on TMD's booth 430 will be fast-warm Ku band ring loop TWTs and TMD's fast developing range of instrumentation TWT and solid state amplifiers. The latter have applications in the avionics and aerospace industries for radar/EW simulation and training - and also EMC HIRF testing.

***... and summing up***

Of the AOC Symposium, Tony Challis, Head of Tubes Engineering TMD UK, said: "This event is a high point in my calendar. It gives us the opportunity to network with our customers and suppliers, and also hear some of the highest quality technical presentations in the field of EW."

## **TMD Technologies Limited – 20 years at the top!**



*TMD's headquarters in West London. This year, the company celebrates 20 successful years at the top of its profession as an independent design and manufacturing SME in the microwave and RF field.*

TMD Technologies Ltd is one of the world's leading designers and manufacturers of specialised transmitters, amplifiers, microwave power modules (MPMs), high voltage power supplies and microwave tubes for radar, EW and communications applications. The multiple Queen's Award winning company also produces a range of advanced instrumentation microwave amplifiers for EMC testing, scientific and medical applications.

### **TMD Technologies, LLC, USA**

TMD Technologies, LLC is the US subsidiary of TMD Technologies Ltd, set up in Baltimore, Maryland in 2013; its purpose being to provide excellent commercial and technical support to TMD's customers in the USA. The company is now well established, the product repair and service centre is up and running and its Sales and Marketing Department is engaged in new business development in the USA - for the whole range of TMD's products.

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