

IBC2018 Exhibitor Preview
Sept. 14-18
Amsterdam



WORK Microwave — Stand 1.C51

As today's satellite operators look to deliver higher quality broadcast and high-speed broadband offerings over constrained networks, the need for flexible, scalable and future-proof satcom solutions is even more important. At IBC2018, WORK Microwave — one of the only satellite technologies providers with an end-to-end solution for wideband applications — will provide a live demonstration of its new AX-80 modem, which is now shipping worldwide.

In addition, WORK Microwave will showcase an enhanced graphical user interface for its entire solutions portfolio. The new state-of-the-art design simplifies and improves the user experience, providing context-specific online help and a responsive layout with multiple windows on one screen.

Live Demo of AX-80 Wideband Modem

WORK Microwave will demonstrate the world's first functional wideband modem that supports the DVB-S2X standard, with 500 Msps bi-directional throughput, at IBC2018. During a live demo, attendees can see the exceptional spectrum output and high-quality signal transmission enabled by the AX-80 modem. Integrated with 10G Ethernet interfaces, the modem supports full throughput with 256APSK and 3 Gbps per direction, without any compromises or tradeoffs. Using this next-gen device, operators can optimize the use of high-speed, IP-based broadcast and broadband access in future Ka-band or Q/V band satellite systems with wideband transponders.

The modem is built using a flexible software-defined radio (SDR) architecture, which allows user-defined data processing for a wide range of applications and customized solutions. Featuring an all-IP structure, the AX-80 platform supports native network operation as well as data streaming over IP, providing satellite operators with the flexibility that is critical in today's fast-changing connected world.

The AX-80 is an end-to-end wideband transmit and receive solution, which includes a modulator and demodulator in a single unit. While other wideband solutions are available on the market, most are prototypes. WORK Microwave's AX-80 is fully functioning and now shipping worldwide.

Photo Link: www.202comms.com/WorkMicrowave/WORKMW-Aseries.png

Photo Caption: WORK Microwave AX-80 Wideband All-IP Platform

3-Channel, V-Band Block Upconverter

WORK Microwave will demonstrate its 3-channel, V-band block upconverter at IBC2018. Offering support for higher frequencies, between 47.2 and 51.4 GHz, this innovative solution optimizes the use of Ultra High Throughput Satellites (UHTS). The V-band upconverter is perfect for early laboratory testing and has already been requested by global satellite operators to support secure, high-performance communications projects. Relying on the V-band spectrum, satellite operators can expand their capacity to keep pace with the demanding communications requirements fuelled by bandwidth-intensive broadcast and data services.

Photo Link: www.202comms.com/WorkMicrowave/WORKMW-VbandUpconverter.png

Photo Caption: WORK Microwave 3-Channel V-Band Block Upconverter

RSCC-X Compact Redundancy Switch

WORK Microwave's RSCC-X compact N+1 redundancy switch enables hot standby redundancy for up to eight modems or converters. The redundancy switching system monitors the health of the protected units and, in case of an alarm, copies the failed unit's configuration to the redundant unit, automatically replacing the faulty unit's functions with the spare (+1) unit.

The license-based switch supports 1+1 up to 8 + 1, making it easy for operators to scale up the system as its requirements grow in the future. When used in combination with the flexible ISM-8 switchbox, operators can effectively switch and monitor input and output signals. Until recently, this N:1 redundancy system only supported converters; now it has been enhanced to support WORK Microwave's digital solutions, including modulators and modems.

Photo Link: www.202comms.com/WorkMicrowave/WORKMW-RSCC-X.png

Photo Caption: WORK Microwave RSCC-X Compact Redundancy Switch

Company Overview:

Headquartered in Holzkirchen (near Munich), Germany, and comprised of four operating divisions — Satellite Communication, Navigation Simulators, Defence Electronics, and Sensors and Measurement — WORK Microwave leverages over 30 years of experience to anticipate market needs and apply an innovative and creative approach to the development of frequency converters, DVB-S2/S2X equipment, and other digital signal processing technologies while maintaining the highest standards for quality, reliability, and performance.

WORK Microwave's Satellite Communication division develops and manufactures high-performance, advanced satellite communications equipment for telecommunications companies, broadcasters, integrators, and government organizations that are operating satellite earth stations, satellite news gathering vehicles, fly-aways, and other mobile or portable satellite communication solutions.

Link to Word Doc: www.202comms.com/WorkMicrowave/180829WORKMW.docx

All trademarks appearing herein are the property of their respective owners.

Agency Contact:

Moe Lokat
202 Communications
Tel: +44 7973306039
Email: moe@202comms.com

Company Contact:

Lisa Hayes
Marketing Communications Manager
Tel: +49 8024 6408 25
Email: lisa.hayes@work-microwave.com

WORK Microwave

Raiffeisenstrasse 12
Holzkirchen, 83607
Germany
www.work-microwave.com