



NEWTEC DEMONSTRATES 310 MBPS OVER A 36 MHZ YAHSAT TRANSPONDER

World-beating transmission technology successfully tested

SINT-NIKLAAS, Belgium, 10 April 2012. In what could be considered a 'world record' Newtec has demonstrated a 310 Mbps transport over a 36 Mhz transponder. Tests and validations were carried out using existing antennae and power infrastructure on Yahsat's Y1A.

The resulting full duplex STM-1 (2 x 155 Mbps) has never before been achieved on a 36 Mhz transponder. Newtec will be making its next generation technology, capable of enabling these speeds, commercially available during 2012.

The link was established using Newtec's next generation satellite IP modulators and modems in combination with its bandwidth cancellation units (ZN871). The test used Clean Channel Technology™, Bandwidth Cancellation and Wideband (all Newtec Technologies), of which the first two are available and on the market now.

As a result of the tests, which were completed under fully operational real-world conditions, Newtec proved to be ready to deliver future services based on these technologies.

Serge Van Herck, Newtec's CEO, commented: *"It's nice to see that Newtec's roll-out of new technologies is going smoothly, breaking down boundaries and securing implementations in real-world scenarios. As a result we are talking to our business partners now who are able to bring in new business opportunities as a result of the capabilities Newtec has created for them."*

Newtec's technology is going to be run on Y1A. The commercial payload of Y1A comprises both C-band and Ku-band transponders and is equipped with a total of 9 antennae.

This is the second time in a few months that Yahsat will be working with Newtec. The leading UAE-based satellite operator previously selected Newtec technology for its upcoming YahCarrier service, a Ka band based IP trunking service.

"We are very impressed by the way Newtec continues to push the technological frontiers, breaking records for satellite throughput. By increasing the amount of data that can be transferred per transponder Newtec is effectively increasing the amount of business we can do and helping us to provide the optimum service for our customers too," said Tareq Abdel Raheem Al Hosani, Chief Executive Officer of Yahsat.

For further information please visit following pages:

Newtec www.newtec.eu

Yahsat www.yahsat.ae

Newtec's Clean Channel Technology™ (CCT) www.newtec.eu/products/clean-channel-technology
Further improves satellite efficiency by up to 15 %

Newtec's Bandwidth Cancellation www.newtec.eu/bandwidthcancellation

Combining the forward and return transmissions in the same satellite bandwidth extra capacity can be made available

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Yahsat

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Media Download: high resolution on request; www.newtec.eu/Media-Download-Area

About Newtec

Newtec (www.newtec.eu) is a global industry leader, shaping the future of satellite communications. Offering state-of-the-art products and scalable, integrated solutions for broadcast, broadband access and backbone and trunking applications, Newtec helps customers achieve greater efficiency, increase performance and expand market reach.

With its passionate commitment to R&D and its strong relationship with the European Space Agency (ESA), Newtec remains in the forefront of technological development, continuing the pioneering contributions that have led to industry standards including DVB, DVB-S2, DVB RCS and iSatTV Cenelec pr EN50478.

Newtec's worldwide customer base includes the industry's most prestigious broadcasters, satellite operators, telcos, systems houses and broadcasting unions. Established in 1985 and headquartered in Belgium, Newtec has regional offices as well as additional R&D centres located in Stamford, Conn. (U.S.), Singapore (Singapore), Beijing (China), Dubai (UAE), São Paulo (Brazil), Berlin (Germany) and France.

About Al Yah Satellite Communications Company PrJSC "Yahsat"

Yahsat provides hybrid satellite solutions (government and commercial) for broadband, broadcast, military and Communications use across the Middle East, Africa and Central Asia. Based in Abu Dhabi, and wholly owned by Mubadala, Yahsat is the first company in the Middle East and Africa to offer multi-purpose satellite services:

- YahClick - the satellite broadband service
- YahSecure - the government satellite service
- YahLink - the satellite connectivity service
- YahService - end to end satellite solutions
- YahCarrier - satellite solutions for telecommunications carriers

Yahsat's first satellite Y1A was successfully launched in April 2011, and is preparing to launch its second satellite Y1B in April 2012.

www.yahsat.ae