ThinkRF Introduces 40 GHz RF Downconverter for 5G Frequencies

*ThinkRF D4000 platform extends the life of existing RF test equipment to meet new wireless standards*

OTTAWA (PRWEB) October 28, 2019 -- ThinkRF Corp., the leader in software-defined spectrum analysis, today announced the new *ThinkRF D4000 RF Downconverter*. The platform is the industry’s first 40 GHz downconverter, allowing engineers to quickly and reliably analyze the new 5G wireless standard by extending the range of their existing RF test equipment. To leverage the performance, latency, and capacity that 5G promises, you need equipment which can properly analyze the higher frequencies and wider bandwidths of these new signals. This portable, plug-and-play ThinkRF downconverter allows mobile operators and military systems integrators (SIs) to easily upgrade existing field, lab and manufacturing test equipment, reducing time to market and cost.

“The ability to measure new, high frequency 5G signals is becoming a necessity,” said Dr. Jasvinder Obhi, VP, Product Management and Marketing, ThinkRF. “Unfortunately, many existing spectrum analyzers and test equipment are stuck with low frequency ranges of the past, meaning they’re unable to measure the bands of the future. Our high-performance, 40 GHz downconverter is a huge leap forward for the industry and allows our customers to extend their existing equipment and analyze 5G signals in a cost-effective way.”

The ThinkRF D4000 RF Downconverter offers 24-40 GHz frequency, 500 MHz real-time bandwidth, and 100 kHz tuning resolution, which is ideal for applications such as interference hunting, electronic warfare, signals intelligence, spectrum monitoring, drive test, transmission test, and customer premise equipment test. The platform is built on patented and highly innovative software-defined radio (SDR) technologies to extend the frequency range of existing RF signal analyzers from any vendor to meet new requirements. With built-in preselect filtering and single IF output it is quick and easy to use. The open platform also works seamlessly with current spectrum analysis solutions through standard SCPI control over Ethernet, allowing the user to control the unit through the spectrum analyzer or any PC.

The ThinkRF D4000 RF Downconverter is available to order in Q1 2020. Contact ThinkRF for more details.

About ThinkRF

ThinkRF is the leader in software-defined spectrum analysis platforms that monitor, detect and analyze complex waveforms in today’s rapidly evolving wireless landscape. By providing more flexibility, greater coverage, increased functionality and better ROI, ThinkRF solutions are ideal for regulatory and intelligence monitoring, telecom deployment optimization and RF application development. With open APIs and proven integrations, ThinkRF offers the only compact and networkable spectrum analyzer that can be deployed without a PC and the best price to performance on the market. Founded in 2006, ThinkRF is headquartered in Ottawa, Canada with offices and partners globally.

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