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IN MICROWAVES



2021

Microwaves & RF[®]



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TO CREATE
AN ACCURATE
FADING
PROFILE...



The **LDA-908V Digital Attenuator** has a 0.1 dB step size and is just **\$599.**

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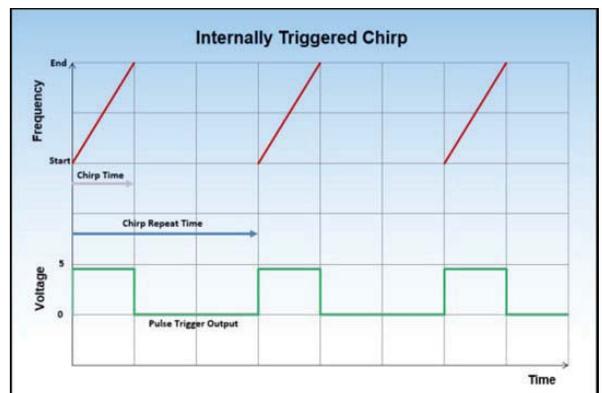
LAB BRICKS HAVE IMPACT

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As contributing editor, Jack Browne, put it in a February 2019 article titled *“From Benchtops to Pockets: The Age of the Ever-Shrinking Test Gear”*: “Test equipment is gaining in power even as instruments are shrinking in size... In combination with available software, modern RF/microwave instruments are making it possible to pack a laboratory worth of measurement capability in a suitcase, and bring high-frequency measurements into the field without losing too much of the power of larger benchtop or rack-mount instruments.”

As a spotlighted design/manufacturer in that article, Vaunix shared many of their innovative programmable Lab Brick device's features, such as signal generators which provide swept-frequency and CW output signals through 40 GHz with very good spectral purity, low phase noise, and 100 ms switching. More recently, Vaunix announced the Lab Brick Model LMS-183CX. This hand-held signal generator operates from 6 GHz to 18 GHz and offers low harmonic energy. It's also easily programmed for fixed frequency, linear frequency sweep pulse modulation, or radar-system-ready chirp modulation.

In addition to its compact signal generators, Vaunix continues to round out their line of Lab Brick programmable digital attenuators, phase shifters and switches. 50 Ohm and 75 Ohm bi-directional step attenuators are currently available in bands up to 20 GHz. They've been proven to be outstanding instruments for the rapid and efficient development of wireless test systems for today's advanced MIMO, 5G wireless, and Wi-Fi 6E systems.

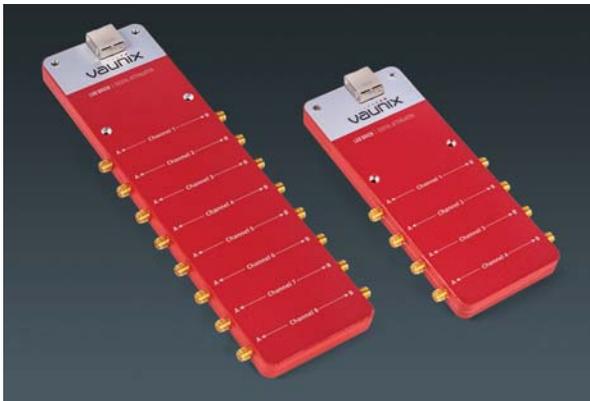


Lab Brick model LMS-183CX's chirp capability has made it a popular model with radar testing teams.

PROGRAMMABLE HANDHELD TESTING TECHNOLOGY NOW AVAILABLE AS TURNKEY SYSTEMS

But what neither Vaunix nor Jack Browne could've foreseen is that the shrinking technology powering these hand-held devices would actually find its way into rack systems, too. Recently, Vaunix delivered a full rack, Lab-Brick-technology-enabled digital matrix attenuator for wireless handover testing which enabled control of 64 input signals to 8 outputs while managing the signal power for every path.

Per Jack Browne in 2019, "These handy test tools are a fraction of the size and costs of benchtop measuring instruments, and for those with a PC available, they sacrifice little in performance and accuracy." This developing story continues to remain true—especially now as the options to package up everything, including the PC, into self-programmable turnkey rack systems continue to advance.



Lab Brick attenuators are now available with multiple ports and USB or ethernet connections.

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WISH I COULD MAP ANY INPUT TO ANY OUTPUT AND CONTROL THE POWER...



The **VMA-Q8X8SE 8x8 Matrix Attenuator** has 64 programmable channels and a built-in PC.

Get the details at vaunix.com

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