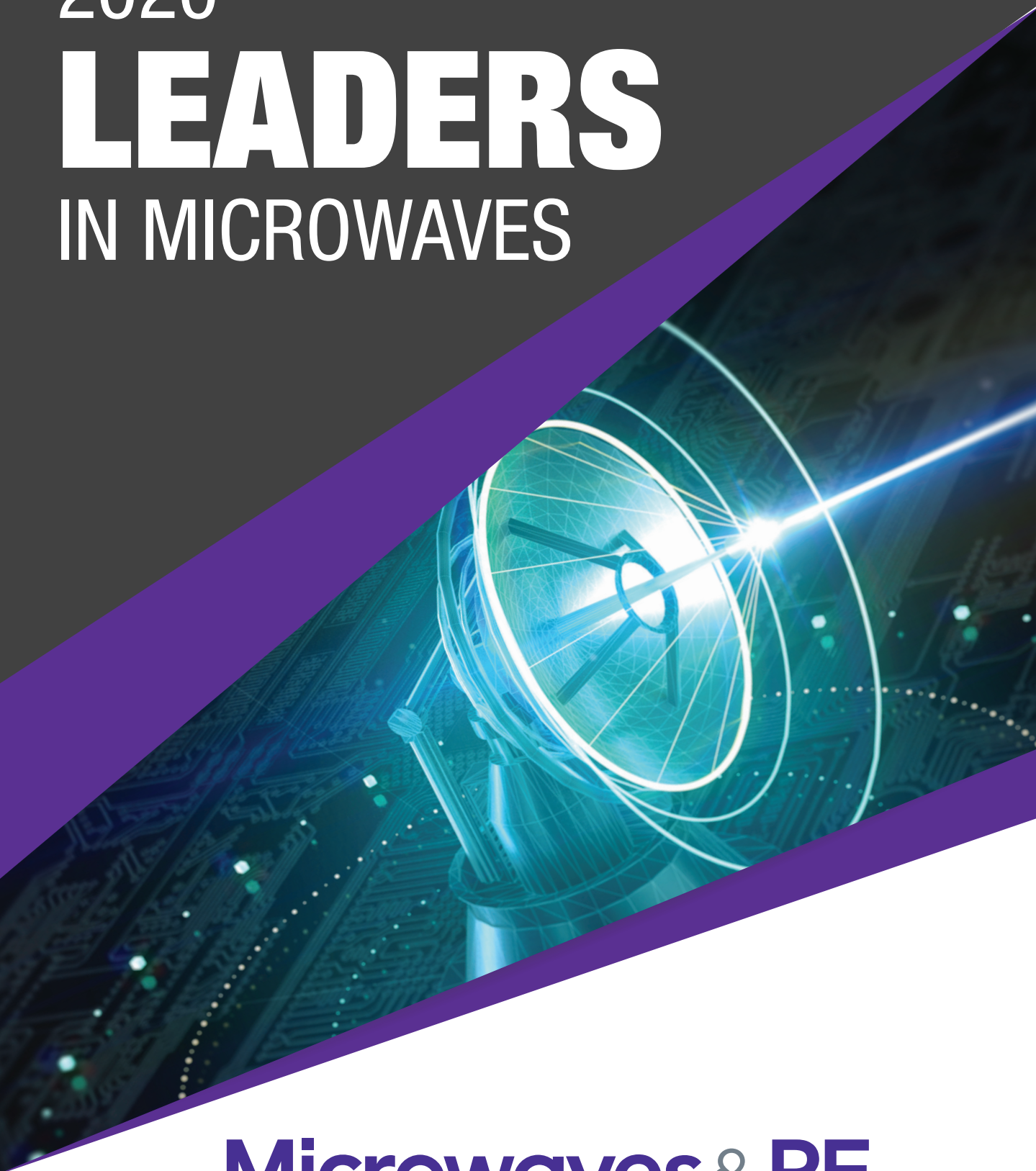
2020 LEADERS IN MICROWAVES



Microwaves&RF®

VAUNIX

www.Vaunix.com

With over 60 low-cost, portable, and programmable Lab Bricks™, Vaunix is ushering in a new era of ATE.

LAB BRICK APPLICATIONS INCLUDE:

- Radar Systems Testing and Design
- Engineering/Production Test Labs
- MIMO and SIMO Field Testing
- Wireless Fading Simulation Testing
- Handover Testing
- 5G Wireless Research and Development
- 3G and 4G Wireless Simulation
- Wi-Fi Testing
- RF/Microwave Automated Test Equipment (ATE)
- Portable RF/microwave LO Source
- Phased Array Antenna Systems
- Phase Modulation
- Signal Cancellation
- Beamforming

Vaunix has recently released Rev. II of their 2019 Product Guide and has published several Tech Briefs offering instruction and insight on how best to use programmable test devices. Download them at *https://vaunix.com/updates/resources/*

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It's hard to imagine a day when the most sophisticated of microwave test benches in the world won't still include a full-featured, preprogrammed piece of high frequency test equipment. They're simply one of the most powerful tools an RF/microwave design/engineering and testing team can have at their fingertips. But what happens when you need to conduct a simulation or test in the field? Even if you could manage to pick one up and carry it for any distance, you certainly wouldn't want to be the one to drop it.

Enter Vaunix. This private company in Newburyport, Massachusetts has been answering the call for portable high-performance test devices for over a decade and has developed a line of 60+ standardized devices at various bandwidths. With this many options, you now have the unique ability to pick up a device with the exact function, frequency, and performance for your current need—without breaking the bank—or your back.

"Lab Bricks are solid-state, portable, driver-less, USB human interface device (HID) class devices that you can operate from our intuitive Windows GUI, or by using our supplied library of Windows™ and Linux™ APIs that support Python™, C#, C++, MATLAB™, Java™, LabVIEW™ and more," says Scott Blanchard, President at Vaunix.

USB HID compatibility was chosen by Vaunix to avoid the difficulties inherent in using older serial or IEEE-488 interfaces when implementing over USB. As a result, RF/microwave and wireless test system designers do not need to install kernel level drivers. This makes set up fast, even with low-cost embedded computers, such as a Raspberry Pi. They provide wireless ATE designers and RF/microwave engineers the ability to set up and conduct a number of wireless network and/or RF bench tests quickly without the high cost and learning curve of traditional benchtop test equipment.

"In every case, we have stressed continuity," Blanchard continues. *"That is, whether you're operating our signal generators, phase shifters, attenuators, or switches singly or together, all adjustments you make are performed almost identically. This makes everything, from set-up through operation far easier than if all the user interfaces were different. And in each case, you configure and control these products from a single interface, rather than through layers and layers of menus. Once you connect the device to the laptop or other computer, the software automatically identifies it, loads the parameters (attenuation, phase, power, and sweep configuration stored in the device (or devices), and lets you change settings on the fly to see what effect they have on the device under test. It's a great help in evaluating an amplifier on an evaluation board, for example, optimizing your circuit's performance, and many other things."*