Performance, size, reliability, affordability. Choose four.

Tektronix®
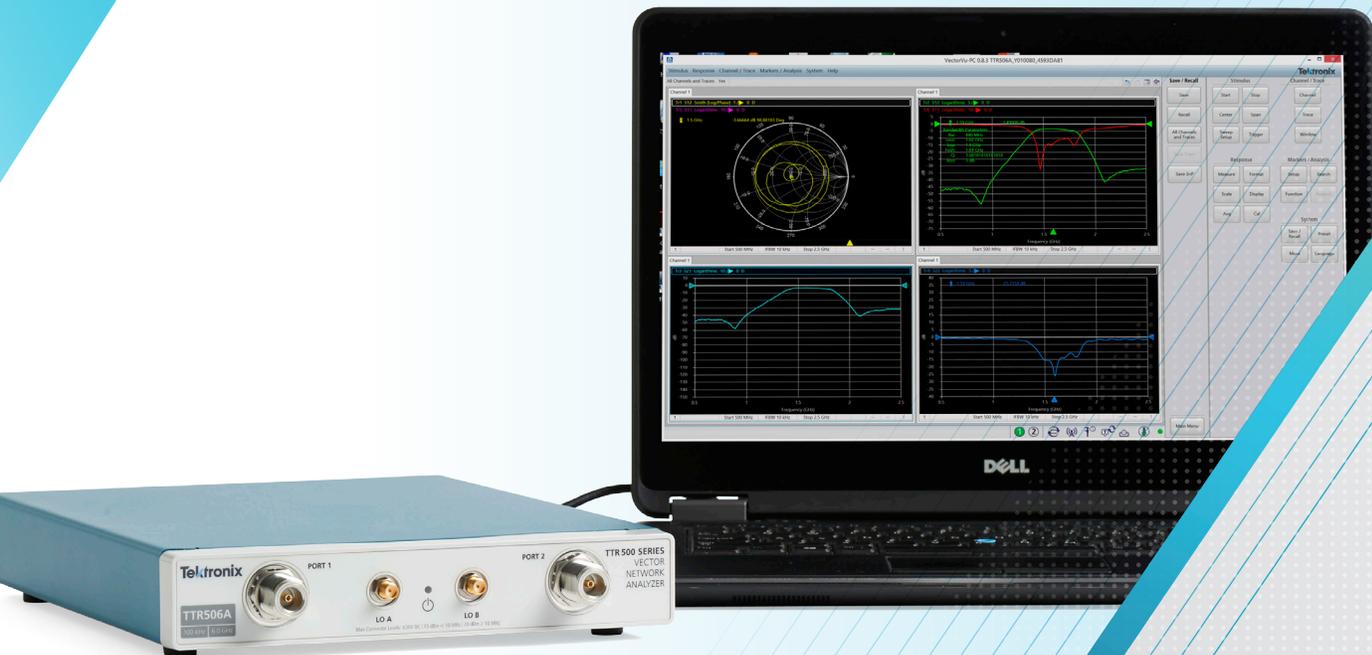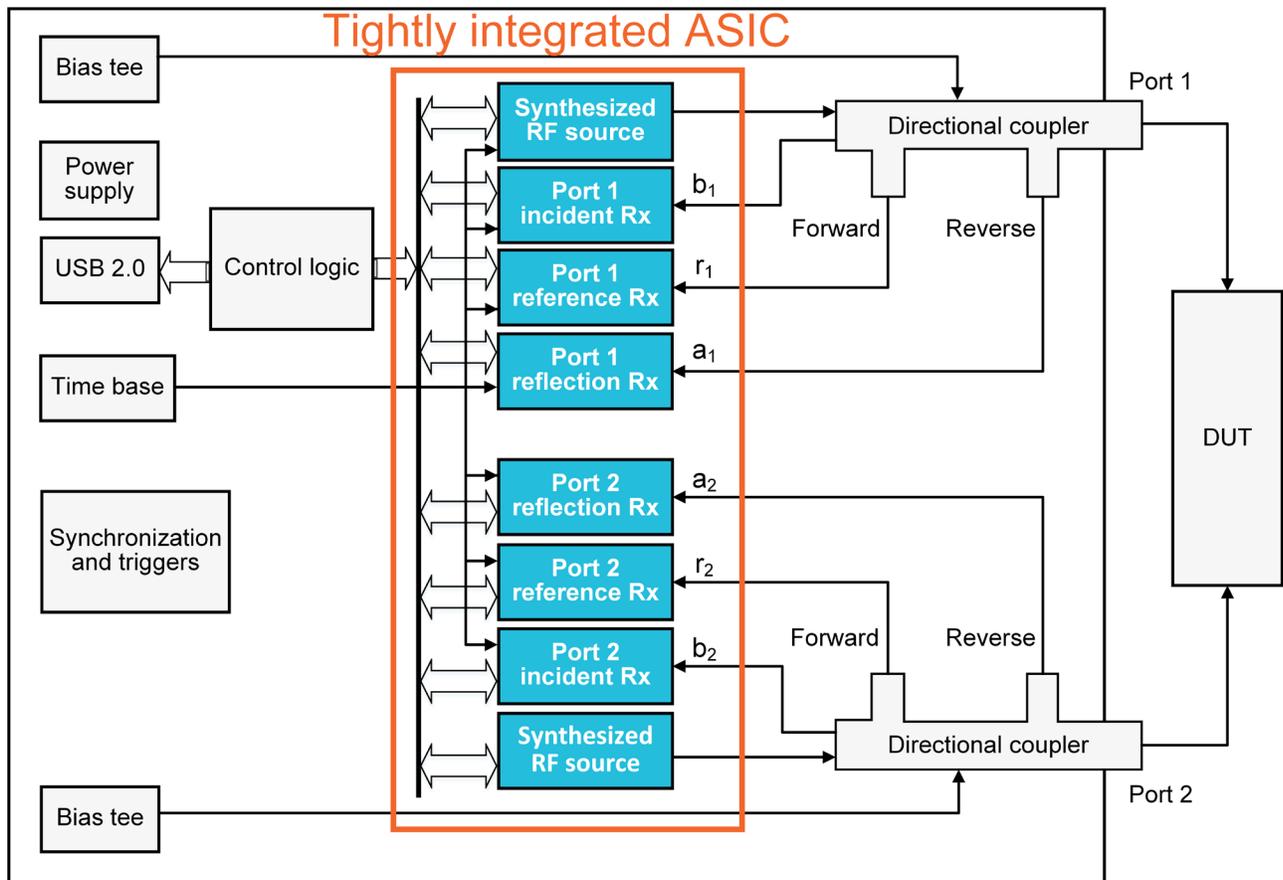
FIGURE 1.

The TTR500A Series VNA includes an impressive array of technological and patented advances that allow it to bend many of the traditional trade-offs between RF performance, size, reliability, and cost.

Performance – It starts with a tightly integrated single-board design centered on a custom ASIC that implements all of the Tx and Rx functions in one chip. Along with decades of experience in RF front-end and shielding design, this integration allowed Tektronix to implement advanced DSP and patented error correction techniques that dramatically improve measurement accuracy and dynamic range.

Convenience – Traditionally, benchtop VNA's have an onboard computer. Unfortunately, that computer is usually obsolete by the time the product is released. Our architecture enables big improvements in size, cost, and reliability while adding new benefits and convenience by communicating over USB to your PC. For example, you'll have easier access to your data from the applications you already use on your PC as well as

application setups that you can keep the way you want them on your PC, even if someone else has used the instrument.

Size – With the tightly integrated single-board design, and without the computer, display, and physical inputs, the TTR500A Series instruments are smaller and lighter than most college textbooks. At that size, they're easy to store in your desk drawer, bring to the lab, or carry on a plane.

Reliability – In addition to the reduced part count, single-board integration also consumes less energy and runs cooler than traditional benchtop instruments, resulting in lower component stresses, higher reliability, and a fanless design that provides quiet operation. We back it up with an industry-leading three year warranty.

Cost – These advances dramatically lower part counts and add up to an instrument with unparalleled price/performance. Get performance and convenience at a price you can afford. Why settle for less?

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