PCTEL was awarded US Patent No. 9,595,987 for a wide tuning range receiver. PCTEL engineers Wei Lu and John Kyechong Kim are the inventors.

What it is:
The technology uses two sets of wide band mixers and oscillators and one set of frequency tunable filters. The center frequency at the output of a tunable filter can be adjusted to anywhere in radio frequency spectrum to allow testing of multiple frequencies within a single scanning receiver.

What it does:
The wide tuning range receiver is the innovative architecture of PCTEL's IBflex® and MXflex® scanning receivers – the primary tools network operators and their vendors use to test LTE, Wi-Fi, public safety, and converged wireless networks.

Why it matters:
With improved testing tools operators optimize their networks to provide better speed and reliability to keep your devices connected at home, work, and on-the-go.

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