USB Products Overview

• Range of easy to use, low cost RF devices
• Power Sensors
• Synthesized Sources
• Switches
• Phase Shifters
• Digital Attenuators
• Vector Modulators
• Frequency Doublers
• Amplifiers
Synthesized RF Source

• 9.2-10.2GHz Range
• +15dBm Output
• -95dBc/Hz @ 100kHz
Synthesized MMW Source

- 24-26.5GHz Range
- +5dBm Output
- -85dBc/Hz @ 100kHz
- 2.9mm Female Connector (K)
RF Switch

- 0.1-3GHz Range
- 60dB isolation @ 1GHz
- Non-reflective
- All ports terminated mode
RF Switch

• 0.1-6GHz Range
• 30dB isolation @ 3GHz
• Reflective
• Pulse modulator mode
RF Step Attenuator

- 0.001-4GHz Range
- 31.75dB dynamic range
- 0.25dB step size
RF Step Attenuator

- 2.2-8GHz Range
- 31.5dB dynamic range
- 0.5dB step size
Vector Modulator

- 0.7-1GHz/1.8-2.7GHz Range
- 45dB dynamic range
- 12bit, 360° phase control
RF Amplifiers

- 0.1-6GHz Range
- 15dB gain
- 17dBm P1dB
RF Power Sensor

- 0.05-6GHz Range
- 45dB dynamic range
- 0.5dB accuracy
Phase Shifters

- Octave Wide Bands
- 400° Control range
- 0.5° Accuracy
Frequency Doubler

• 200MHz to 8GHz
• 0dBm input/ 15dBm Output
• Amplifier up to 4.5GHz
• Doubler from 4.5 to 8GHz
• Internal switch network
Wideband Source

- 200MHz to 4.0GHz
- +1dBm Output
- 1KHz Resolution
- -95dBc/Hz Phase Noise @4GHz
- Battery Power Option
User Interface

• USB 2.0
• Compatible with any XP, W7 or W8 OS
• Common driver for all product types
• Software loaded on device for easy install
• Manuals and product data on device
• Flash can also be used by user
**Accessories**

- Custom USB Extender Cables 3ft
- Custom 7 Port USB Hub to allow multiple devices to be used from a single USB port
Mechanical

- Common enclosure
- Only difference being number of RF connectors
- Common packaging
- Less than 1oz weight
- Cascadable
Future Products

• Product line extended as technology becomes available
• Switched Delay Lines
• RF Receivers 95dB dynamic range
• Addition of display for stand alone use