

	Signal Hound— BB60C \$2879 USD	Tektronix— RSA306 \$3490 USD
Frequency Range	9 kHz - 6 GHz	9 kHz - 6.2 GHz
Dynamic Range	-158 dBm to +10 dBm	-160 dBm to +20 dBm
Absolute Amplitude Accuracy Over Temperature	±2 dB (0° C to 65° C Std / -40° C to +65° C Option 1) <i>More than 100,000 new points of amplitude correction coefficients are created and stored for every BB60C. These coefficients are collected during automated environmental chamber testing of every BB60C's amplitude measurements over temperature, frequency, attenuation, and gain.</i>	Root Sum Squared (RSS) of amplitude and IF accuracy (18° C to 28° C): ±2.24 dB for center frequency < 3 GHz ±3.16 dB for center frequency ≥ 3 GHz to 6.2 GHz)
Capture Bandwidth	27 MHz	40 MHz
API Development	API can communicate with multiple BB60C's per process	API can communicate with only one RSA306 per process
Real-time Specs	50% overlapping FFTs, resulting in 100% captured events	Gaps between FFTs, resulting in missed events between FFTs
Real-time Capture	Captures all signals, regardless of length because the FFTs are overlapping. For pulsed RF shorter than 4 μs, the BB60C will report a progressively lower amplitude and wider bandwidth due to the filtering effects of the RBW/VBW, but it will not miss the event	Captures signals from 100 μs up to 10ms in length, depending on RBW and DPX parameters. Events faster than 100μs are captured intermittently because of non-overlapping FFTs.
Scalar Network Analyzer (SNA)	Upgrade to SNA functionality by adding tracking generator to perform insertion loss measurements. Also add directional coupler or RF bridge to perform return loss measurements.	Not available
Spectrum & Signal Analysis Functions <i>(Substantially equivalent with the following exceptions)</i>	Measuring Receiver w/ 125 dB dynamic range, and harmonics utility	MCPR Measurements and CCDF Plots
Digital Modulation Analysis	EVM measurements, Constellation Diagrams, Symbol Tables, and Bit Pattern Recognition for various PSK and QAM modulation formats included.	Must purchase an option
Analog Audio Modulation Analysis	Advanced measurements include SINAD, THD, and modulation rate.	Must purchase option SVA
Sweeping	24 GHz/sec	~ 0.5 GHz/sec
Time-stamping	Continuous streaming ±50ns GPS time-stamping capability	Not available
Residual Spurious	-106 dBm	-85 dBm
Warranty	2-year warranty	1-year warranty
Size	1.2" x 8.6" x 3.2"	1.2" x 7.5" x 5"
Weight	1.1 lbs.	1.3 lbs.