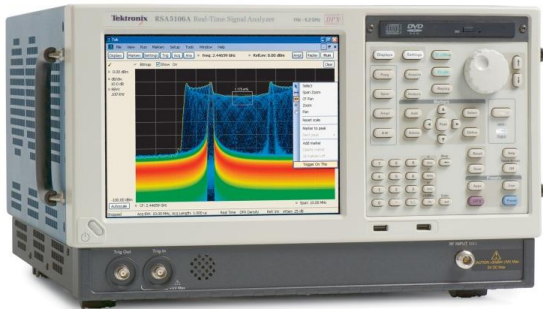


10 Facts about RSA5100 Real-time Signal Analysers



1. Tektronix RSA5K Series are the only signal analysers available that use patented DPX™ technology in **Frequency / Amplitude / Phase**, acquiring 292,000 spectrums per second, drastically improving ability to see signal anomalies in real time.
2. **Real-time Capture Bandwidth (85MHz)**, twice as wide as any other mid-range analysers. See wider spectrum occupancy in single acquisition.
3. **Superior RF Performance** (SFDR -73dbc typical / TOI -17dBm @2GHz/ Phase Noise -109dBc/Hz 1GHz @10kHz offset.) Best in class RF performance.
4. **Swept DPX**- implement DPX across the whole of the input bandwidth (6.2 GHz on RSA5K or 20GHz on RSA6100), broadband sweeps, much faster than traditional analysers with drastically improved probability of intercepting short duration, low level signals.
5. **DPX Density™ Trigger**. Unique triggering ability to define triggering condition based on “existence” of signal, separate and trigger on infrequent events. Isolate anomalies from a crowded spectrum.
6. Minimum Signal Event Duration. **Capture signals as short as 5.8us**, with 100% probability, compared to 10-20ms on typical traditional spectrum analysers.
7. **Memory storage** depth. Deep 4GB memory, allowing seamless **capture of >7Secs with maximum 85MHz** capture bandwidth, 343secs at 1MHz and 6.1 hours at 10KHz.
8. **Multi-domain correlation**. Easily compare correlated measurements in Time, Frequency, Spectrum, Modulation, using multiple correlated markers.
9. **DPX™ Variable RBW**. Unique ability to adjust Resolution Bandwidth filter settings without compromising acquisition / sweep speed, enabling the ideal combination of wide, fast sweeps coupled with very narrow RBW filtering.
10. **High resolution spectrogram** timing measurements with record / replay feature.