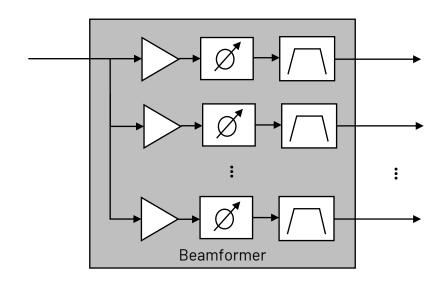


# Multi-Channel RF Devices NEW DEVICES WITH MULTIPLE SIGNAL PATHS

NEW DEVICES WITH MULTIPLE SIGNAL PATHS



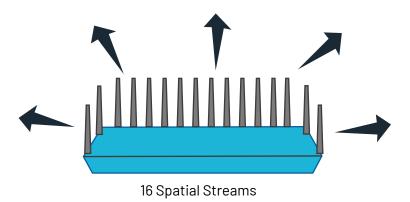
Multi-band Front End Module

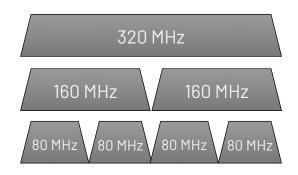
Beamformers

Multi-band FEMs

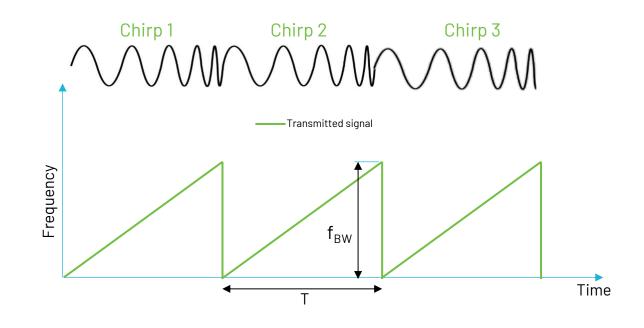


## Multi-Channel RF Systems with Larger Bandwidth





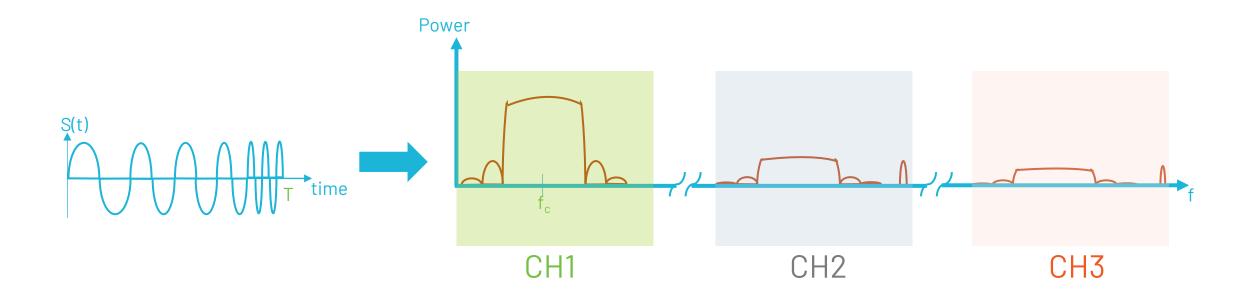
Wireless Communications (Wi-Fi 7)



Radar



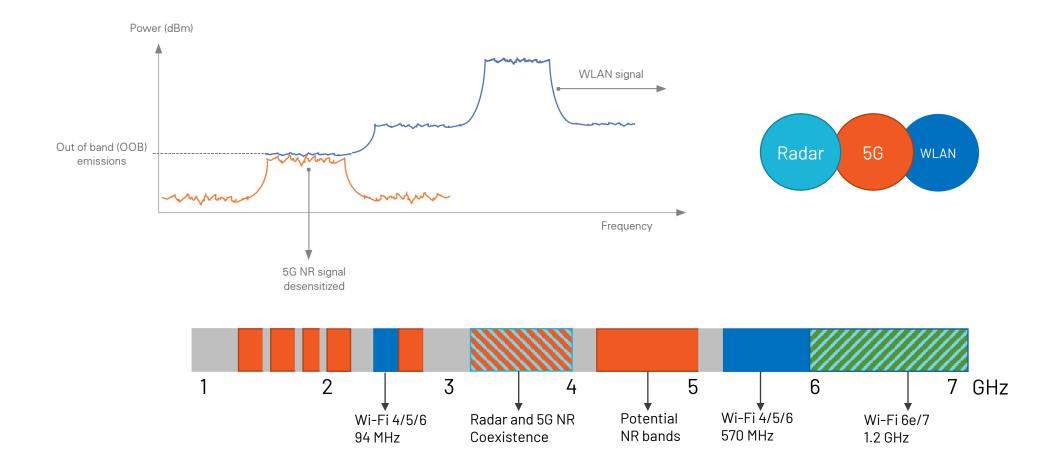
## Understand Out-of-band Effects





### Measure Interference and Coexistence Effects

LEXIBILITY TO TEST FOR COEXISTENCE OF RADAR, 5G, AND WI-FI

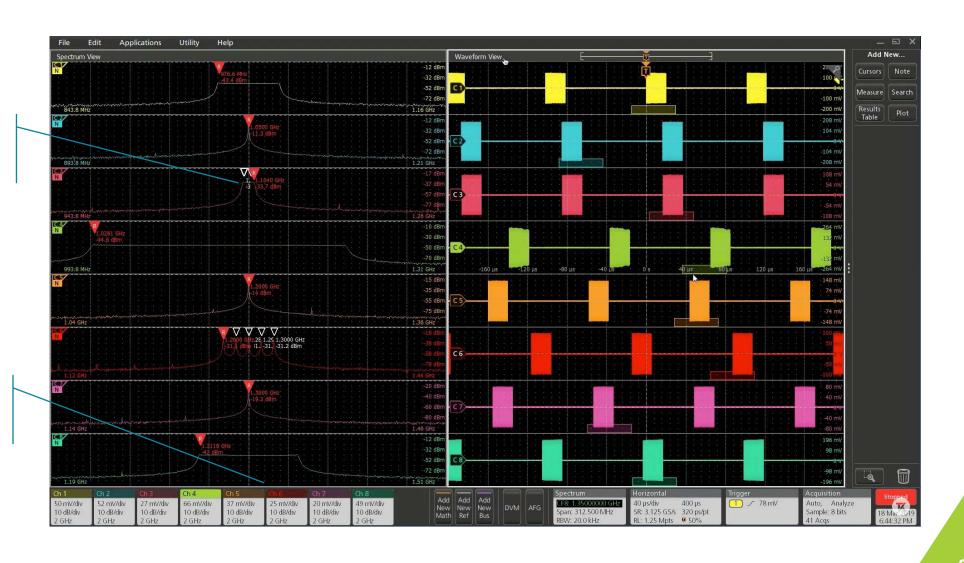




### Correlate Events in Frequency to Events in Time

Display synchronized time and frequency domain views on multiple channels

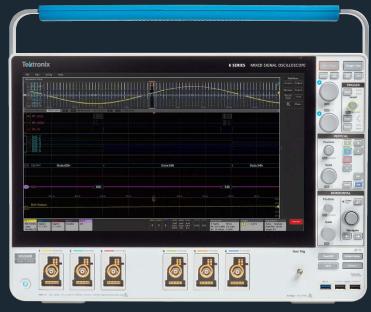
Adjust waveform and spectrum controls independently





## 6 Series B Oscilloscopes







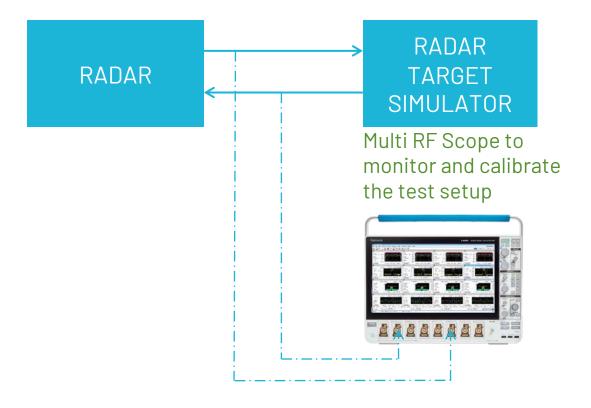
Up to 10 GHz bandwidth

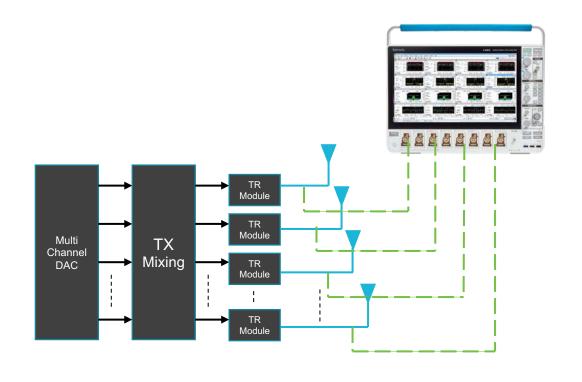
High signal fidelity with 12-bit ADCs and ultra-low noise

4, 6 or 8 Channel inputs

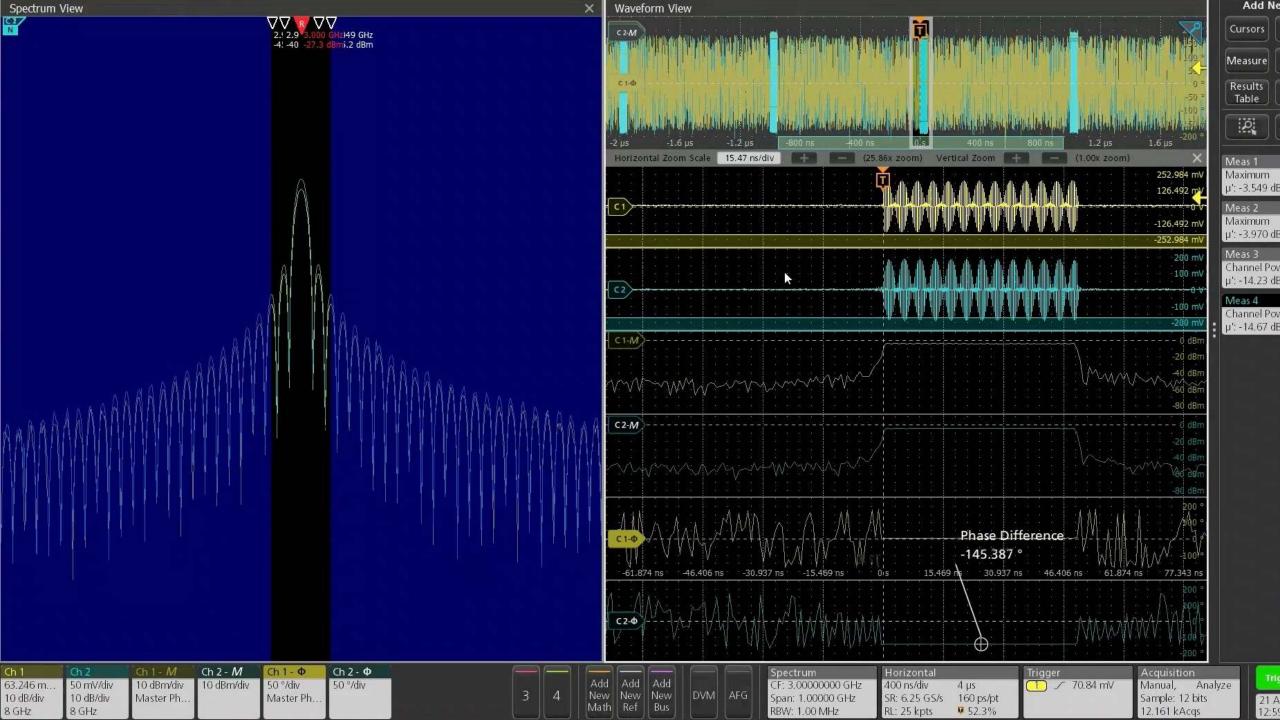
Phase-Synchronous, Multi-Channel RF Analyzer

## RADAR Test Scenarios

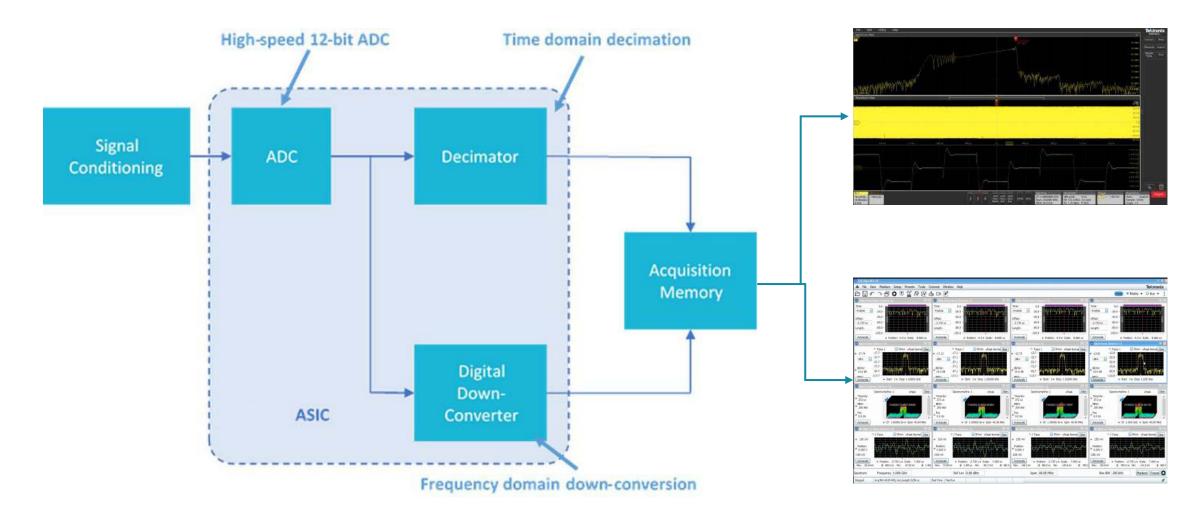








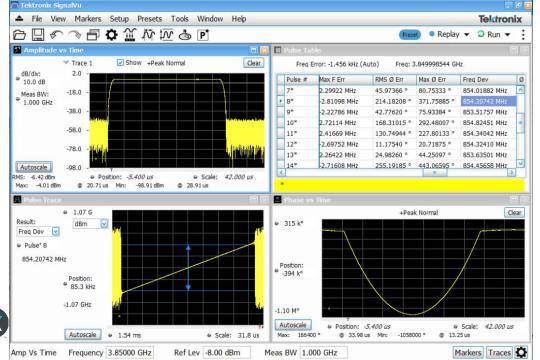
## Spectrum Analysis on All Channels



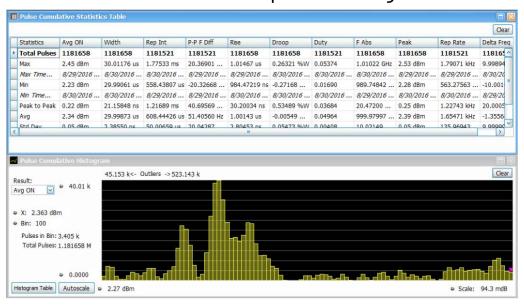


### **Pulse Analysis Capabilities**

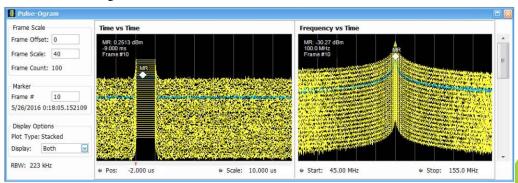
- Achieve deep insight into multi-emitter pulse train behavior with more than 30 automated pulse parameter measurements and statistics over millions of pulses
- Show outliers, target range, and speed
- Support for up to 8 phase-coherent channels

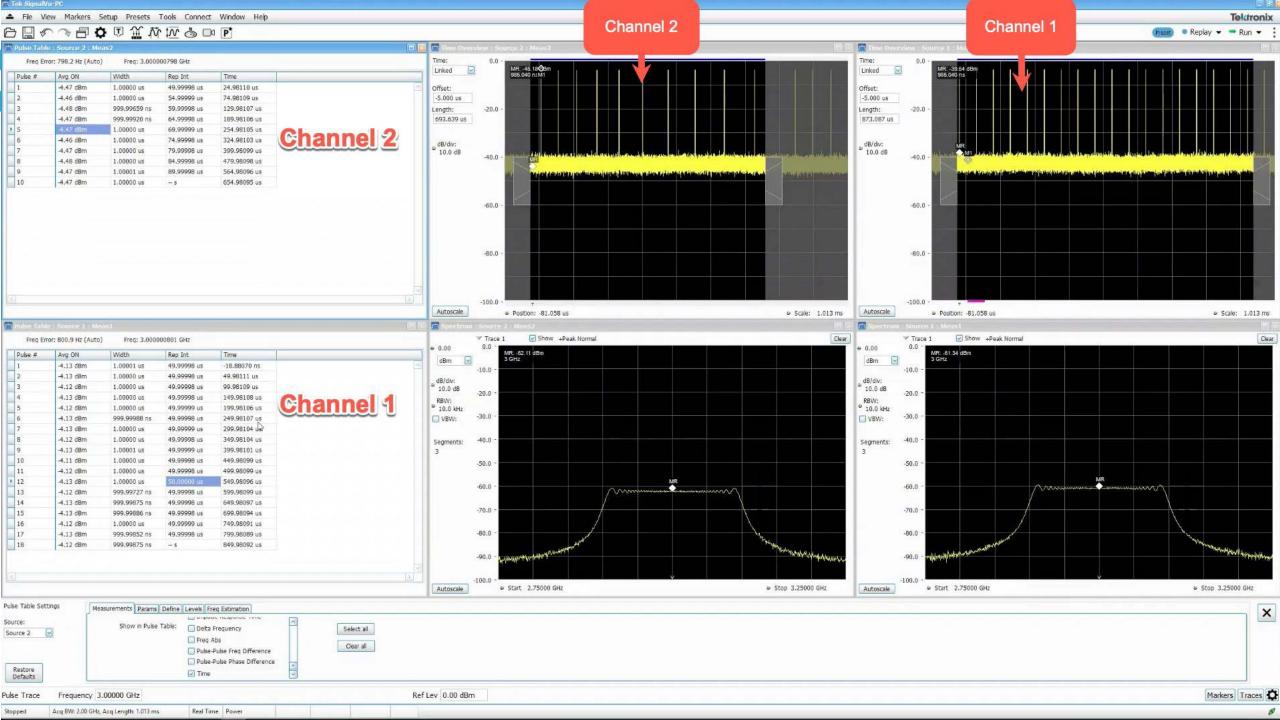


#### Pulse statistics table and pulse histogram



#### Pulse-O-gram





## **Tektronix Solutions for RADAR Test**



#### 5 or 6 Series MSO:

Up to 10 GHz in frequency, up to 2 GHz in bandwidth, 8-RF inputs

Multi-channel RF capture and analysis, low phase noise and wide dynamic range



#### **RSA7000B**:

Up to 26.5GHz of frequency range, 800MHz acquisition bandwidth, 1-input

Real time analysis for lab,
Raid drive for long recordings, low phase
noise for accurate Tx test



#### RSA306B/RSA500/RSA600

9 kHz-18 GHz, 40 MHz acquisition bandwidth, 1-input

Real time analysis for field spectrum management, design,





#### **Contact information:**

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