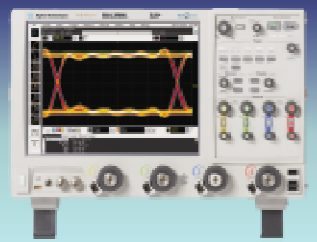
Agilent Oscilloscopes

Fundamentally differentiating through superior technologies

DCA-X Sampling

33 GHz!

Agilent custom ASIC technology designed for *market-leading performance*



90000 X-Series

90000A Series

DSO90008A

U1604B Series

U2700 Series

2000 X-Series

3000 X-Series

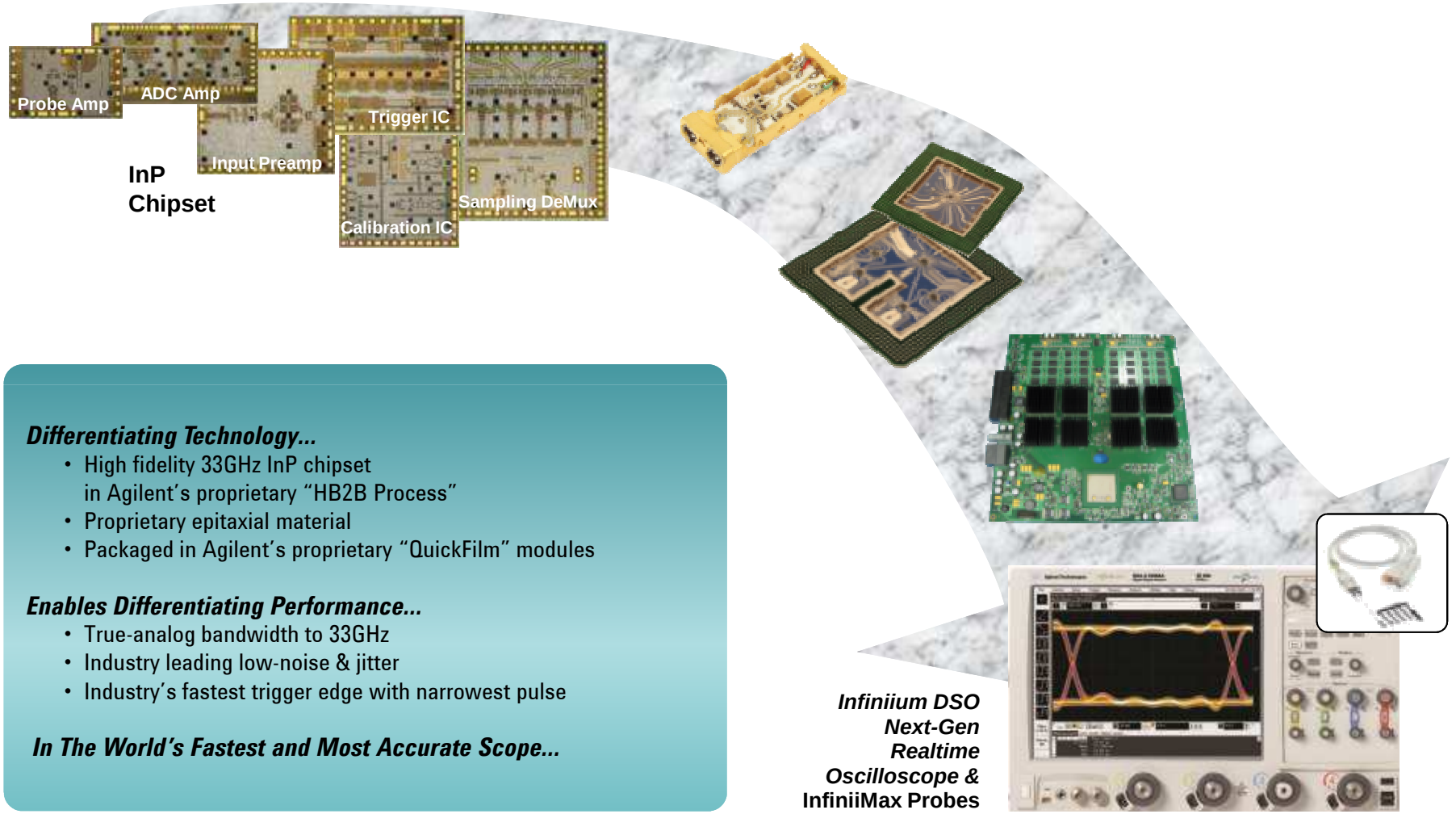
6000 Series

7000B Series

9000A Series

Agilent 90000-X Oscilloscope Technology

A complete innovation suite, optimized for speed & signal Integrity



Differentiating Technology...

- High fidelity 33GHz InP chipset in Agilent's proprietary "HB2B Process"
- Proprietary epitaxial material
- Packaged in Agilent's proprietary "QuickFilm" modules

Enables Differentiating Performance...

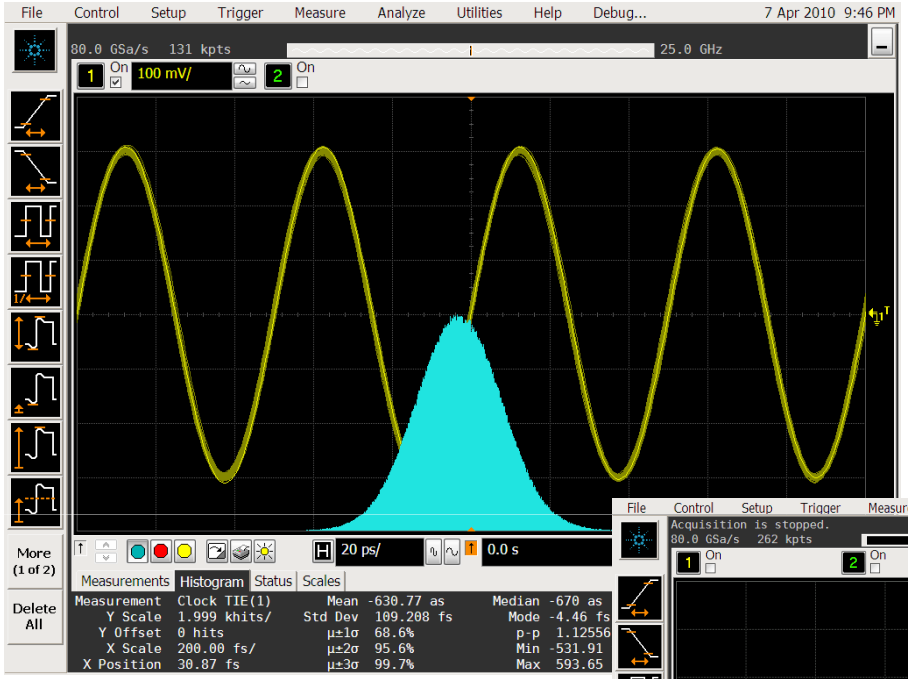
- True-analog bandwidth to 33GHz
- Industry leading low-noise & jitter
- Industry's fastest trigger edge with narrowest pulse

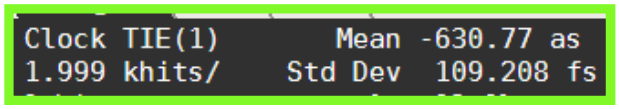
In The World's Fastest and Most Accurate Scope...

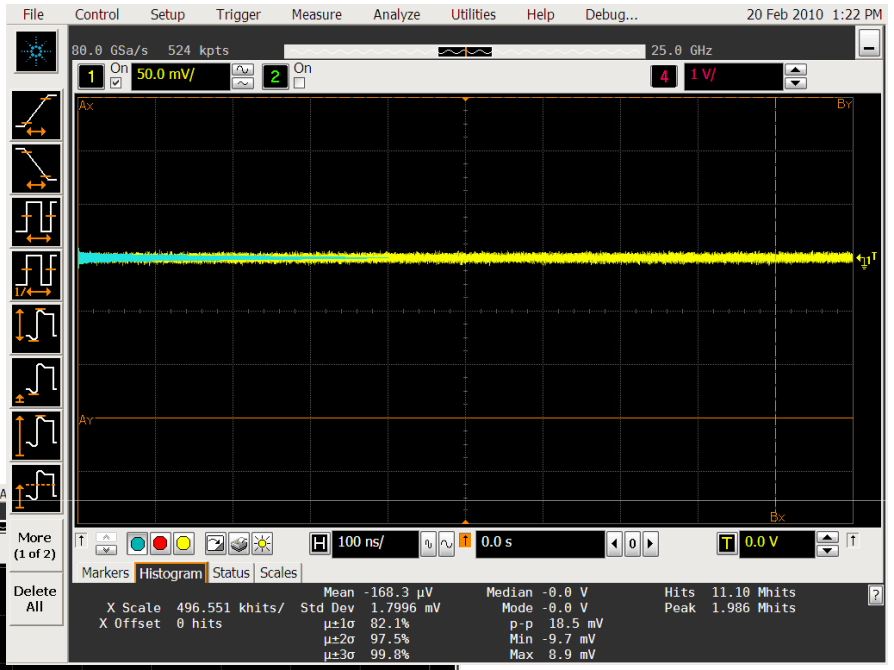
Infiniium DSO Next-Gen Realtime Oscilloscope & **InfiniiMax Probes**

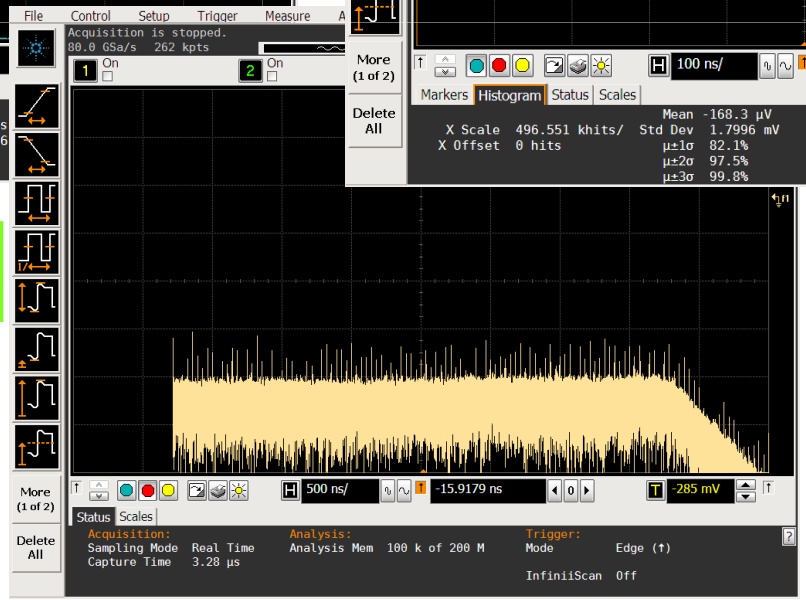
True Analog Bandwidth that Delivers

The Industry's Lowest Intrinsic Jitter, AC and Freq Noise Floor

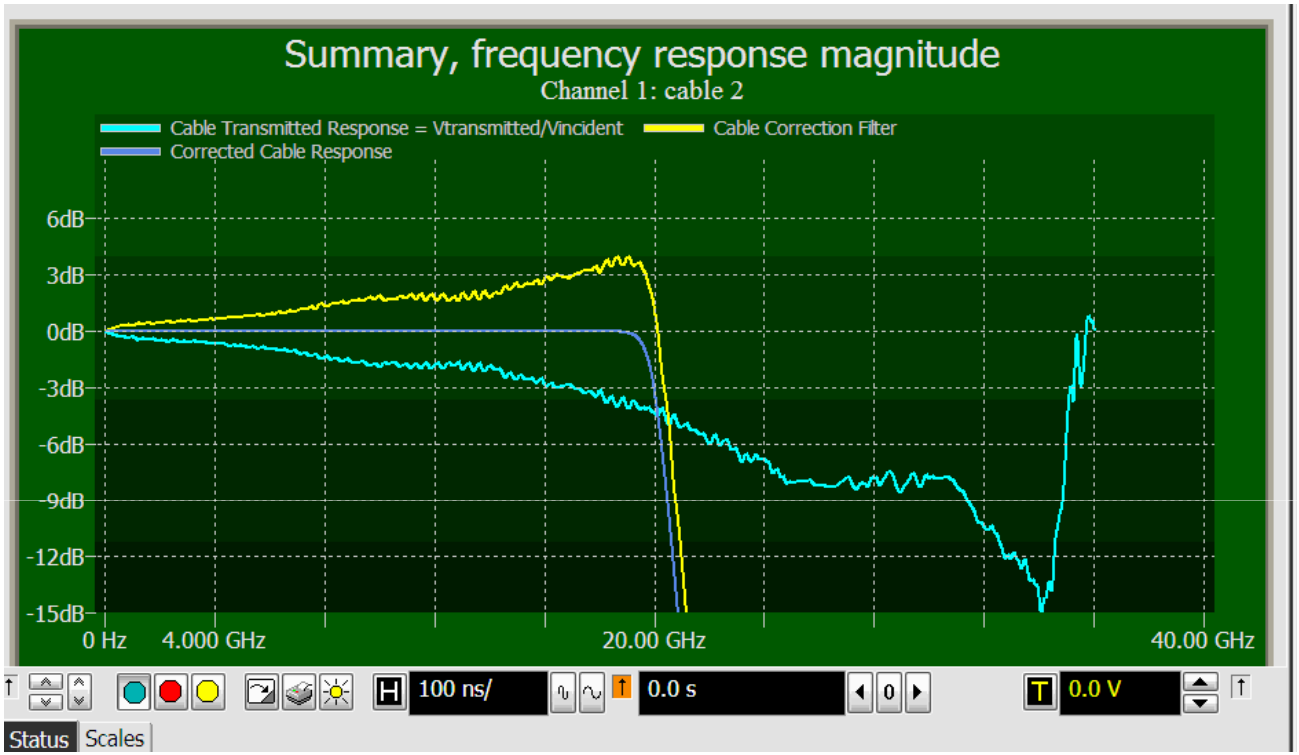








PrecisionProbe and Cable (N2809A)



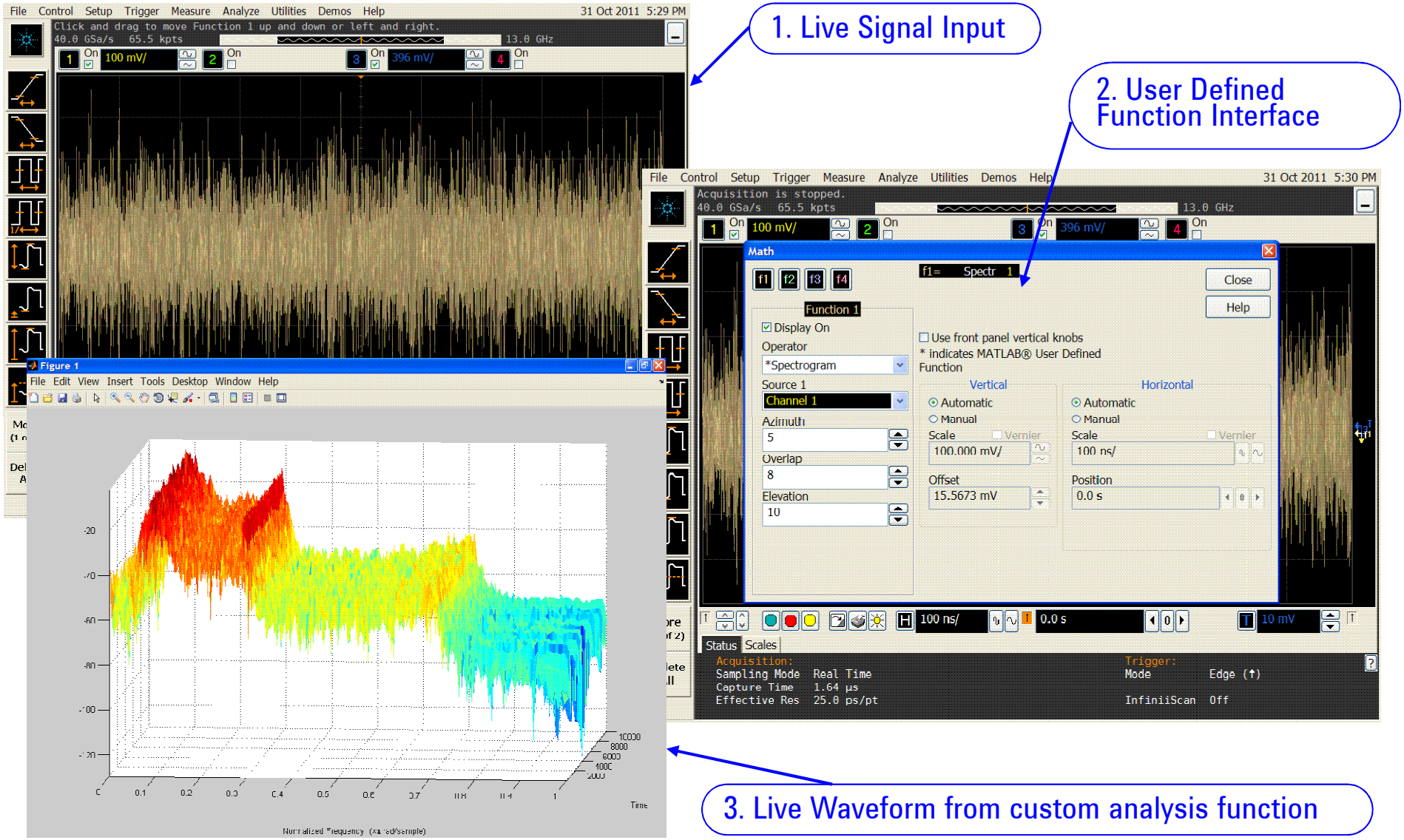
Characterize and correct the input path to your oscilloscope input using the calibration source of the oscilloscope

Agilent Infiniium User-Defined Function

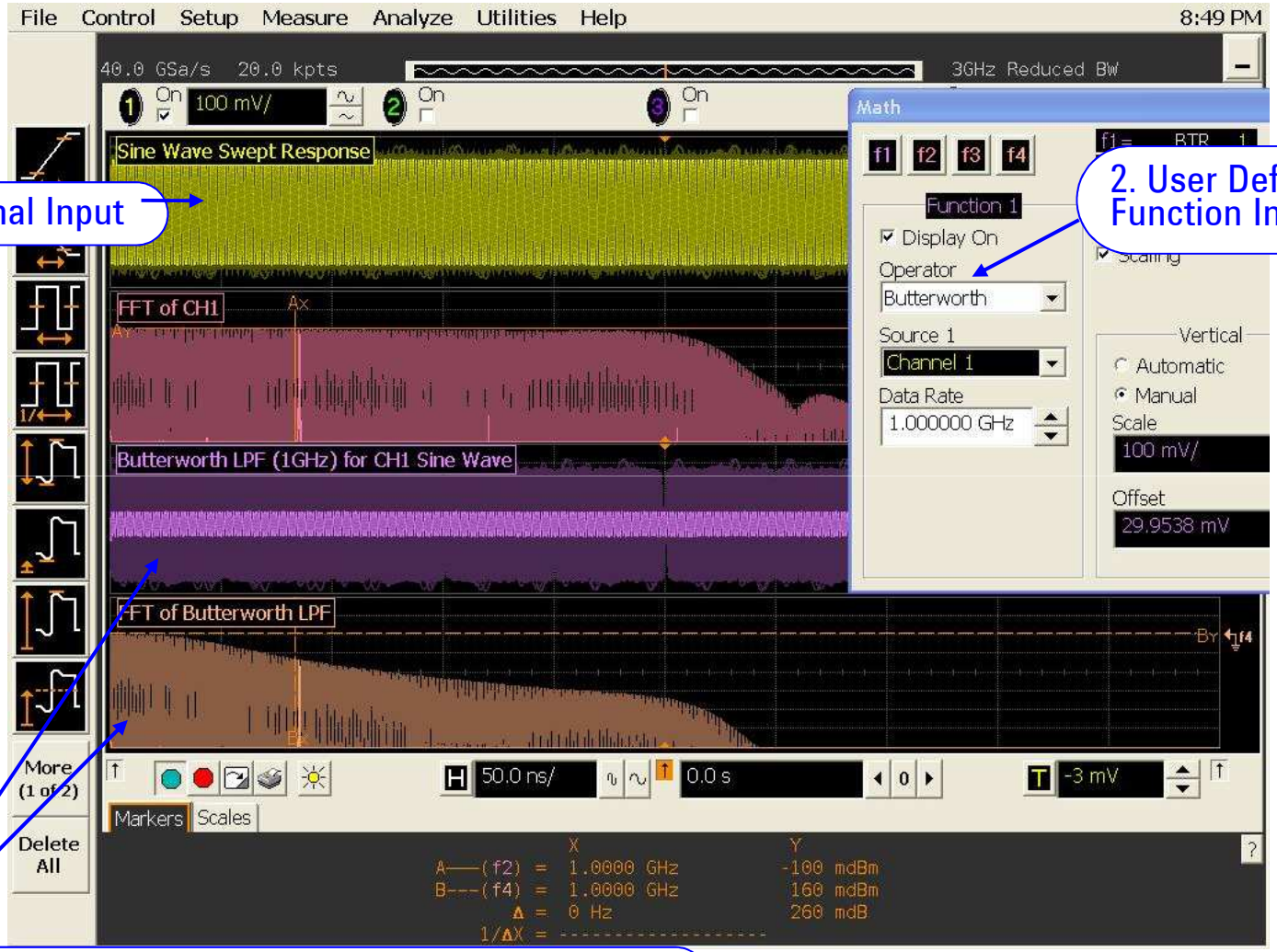
Integration MATLAB Analysis Power For On-Demand Solutions

- With MATLAB ®, Agilent Infiniium **User-Defined Function** enables you to develop custom solutions, on-demand
- Real-time waveform update
- MATLAB has thousand of functions that you can take advantage of without having to write yourself.
- Your customer can write MATLAB functions that customize or specialize Agilent instruments
- Non-software engineers can write software
- Perfect for DSP and has powerful plotting capabilities.

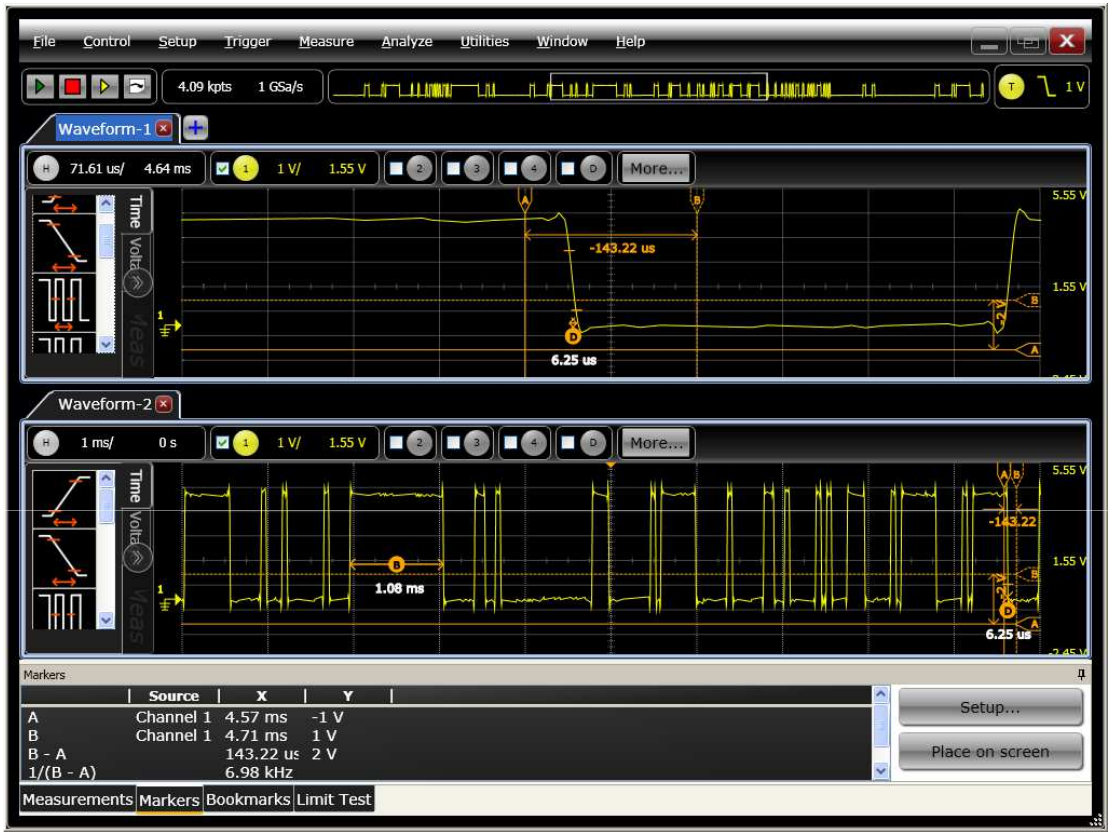
UDF Example: Spectrogram



UDF Example: Butterworth Low Pass Filter Example



InfiniiView: Scope Offline Viewer



Key Features and Benefit:

- View/analyze/share scope measurement from a PC.
- Additional analysis w/o tying up scope hardware.
- Infiniium analysis for InfiniiVision users
- Usability Enhancements
- Available April/May 2012

Operational Enhancements

DISKLESS OPERATION

Supporting Network Boot Systems w/ single server data storage

OFFLOAD DATA FASTER WITH PCIe

x4 speeds at the PC and on the scope

Achieve up to 96 Mbps

Low latency (1.4 microsecond.

SUMMARY

- Next generation technology provides true analog performance to 32GHz.

- Optimize the measurement environment to improve accuracy of results.

- Improve time to results through incorporation of custom analysis requirements in oscilloscope platform.

- Distribute results across sites for analysis and utilize common analysis platform with offline Infiniiview.