Differential TDR Test-Step by Step

Pico Technology; Based on PicoScope 9311

海洋儀器
致力于电子测试、维护领域!

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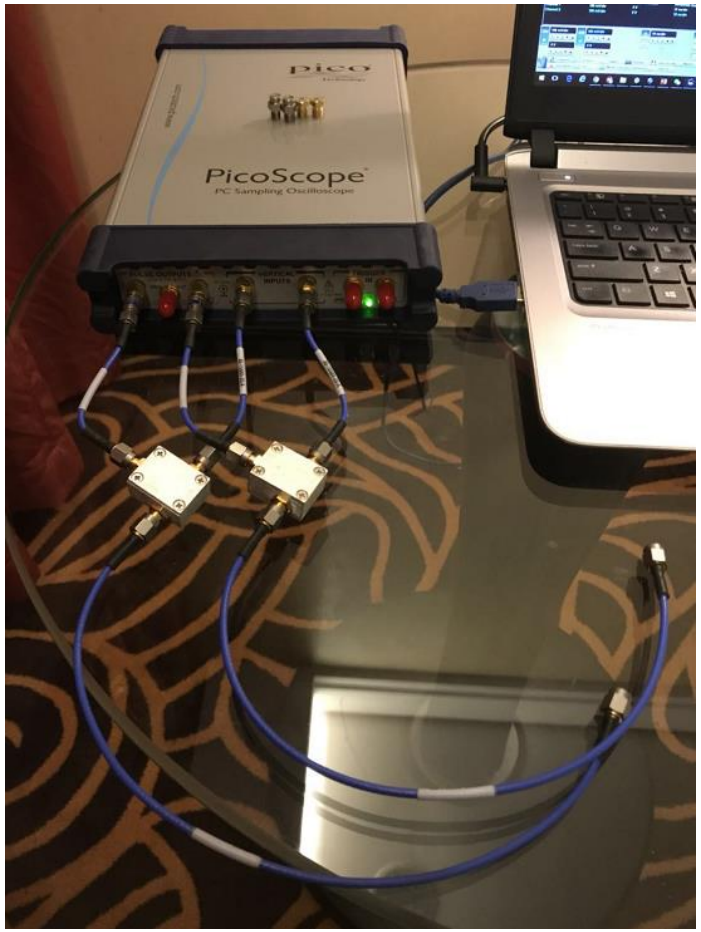
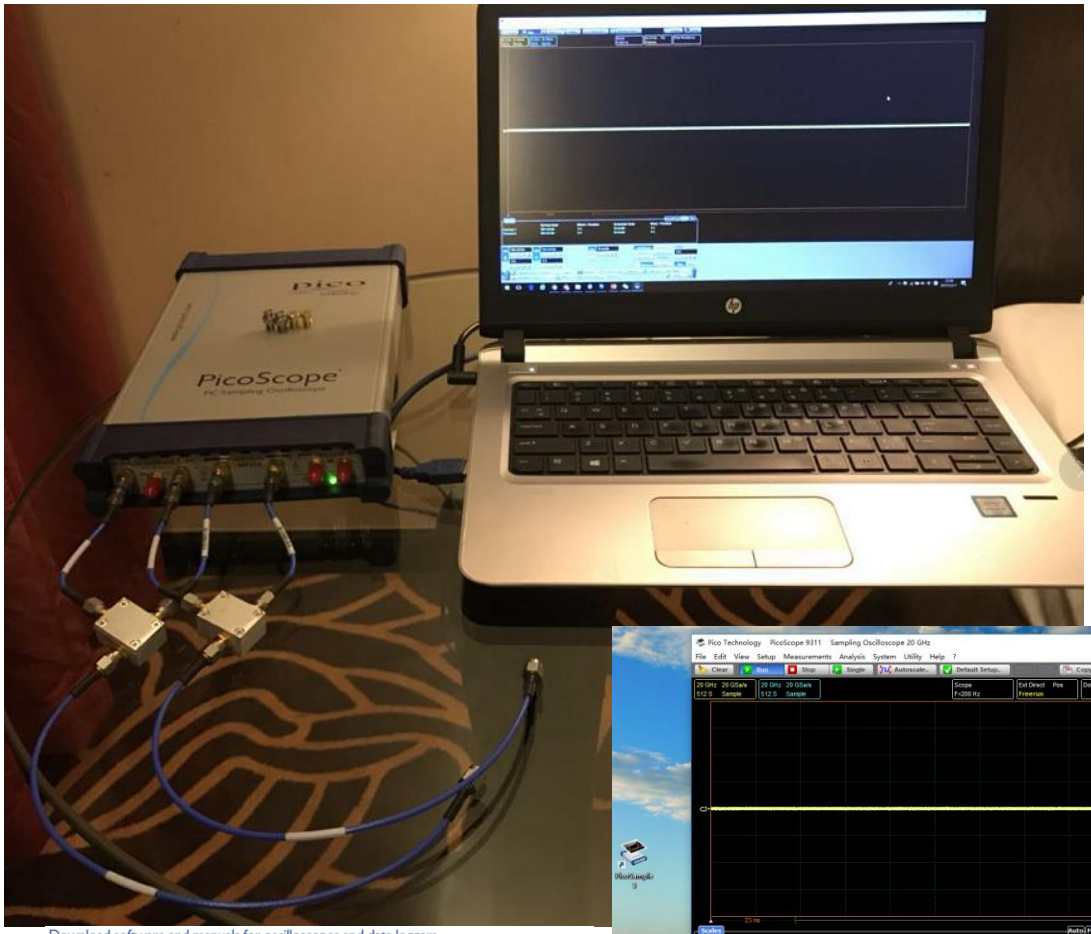
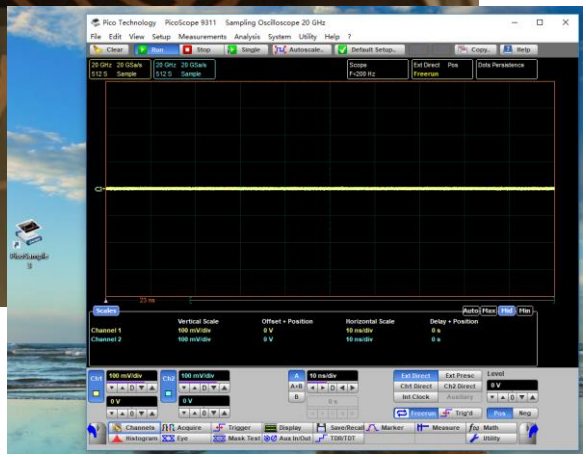
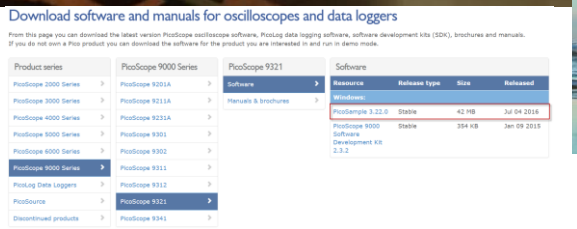
Step 1: Instruments Setup









PicoSample3 Software Download
https://www.picotech.com/downloads

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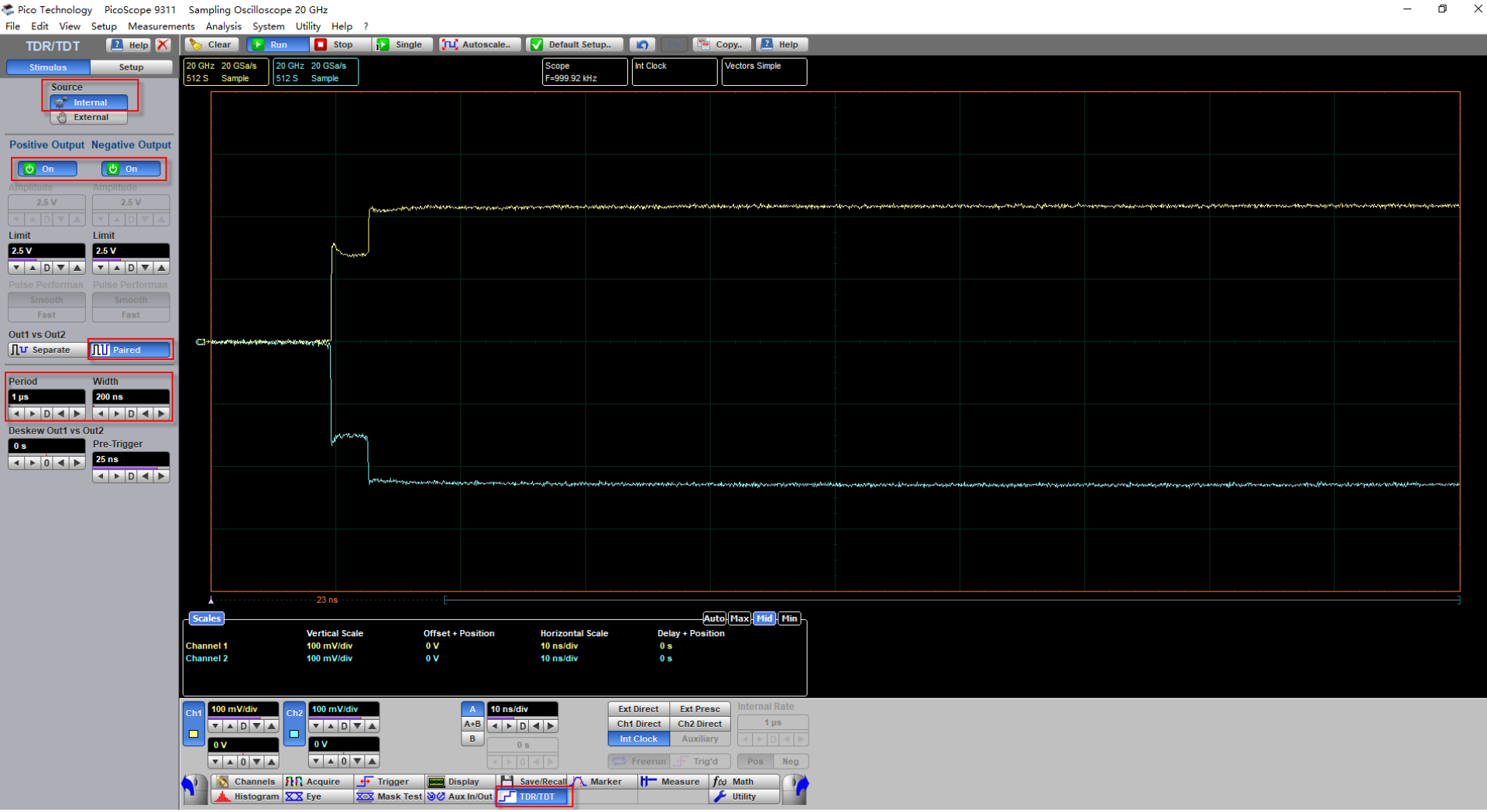
Step 2: Open TDR Stimulus Source



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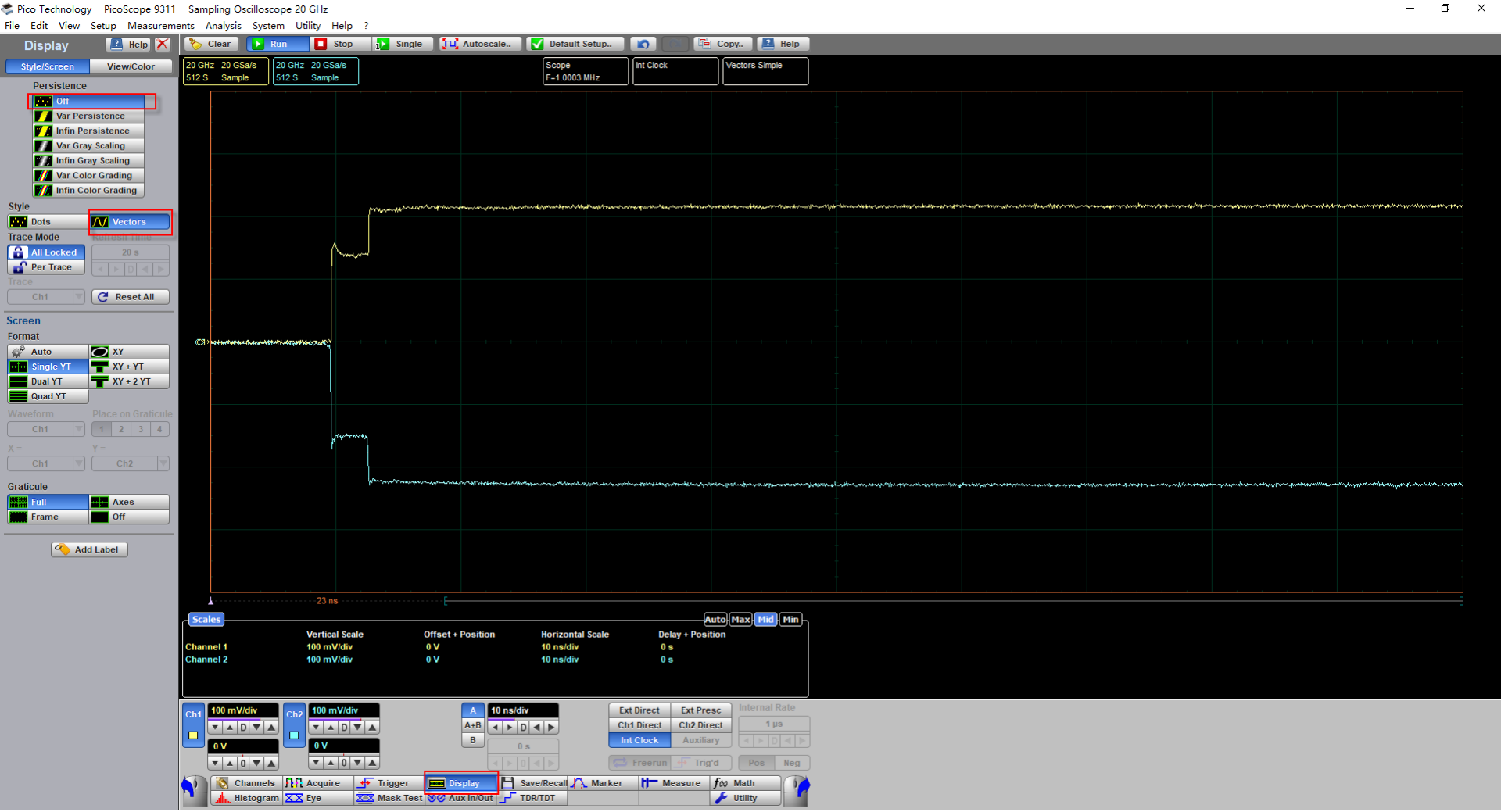
Step 3: Setup the display mode



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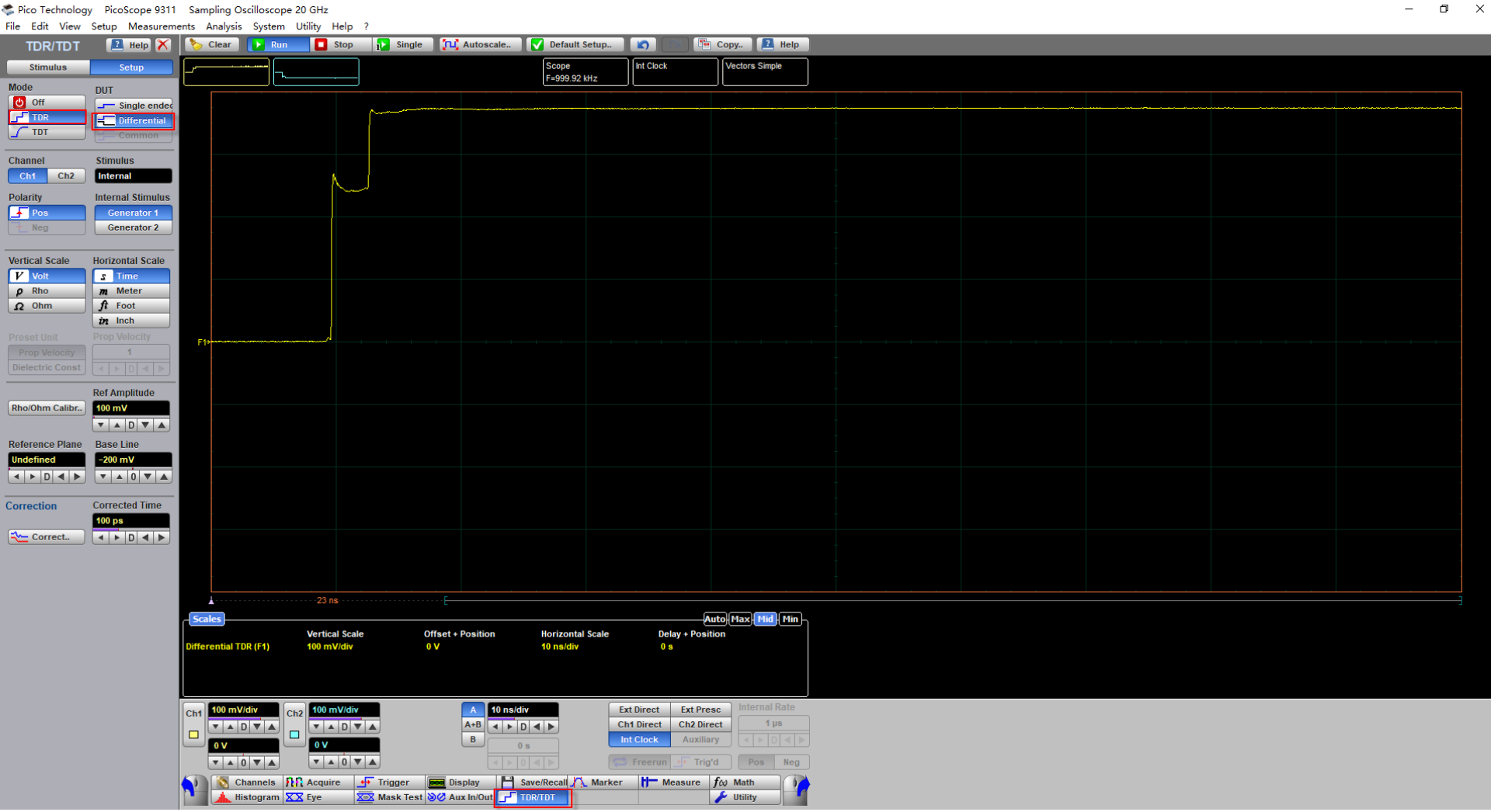
Step 4: Setup the TDR to Differential Mode



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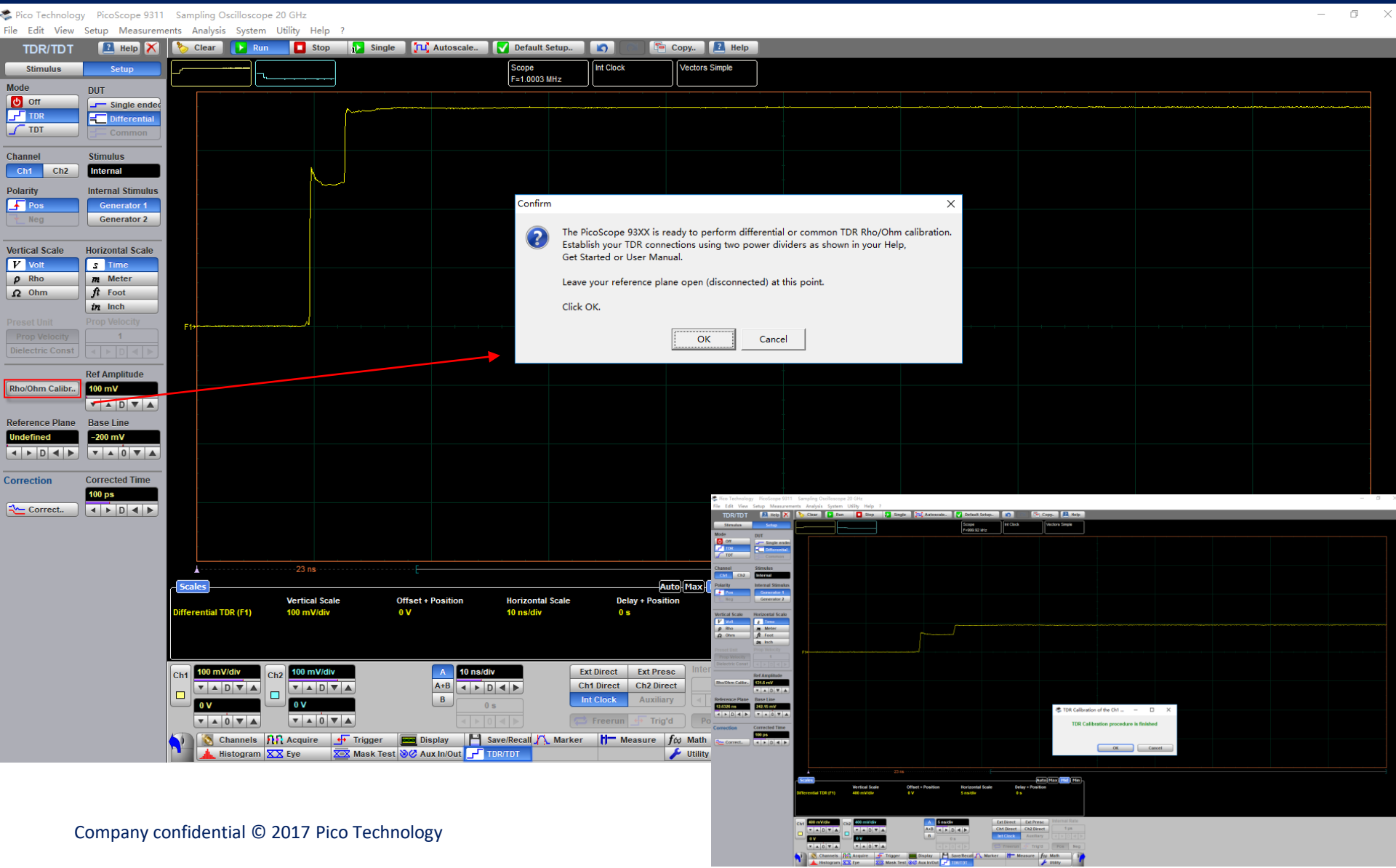
Step 5: Do Rho/Ohm Calibration



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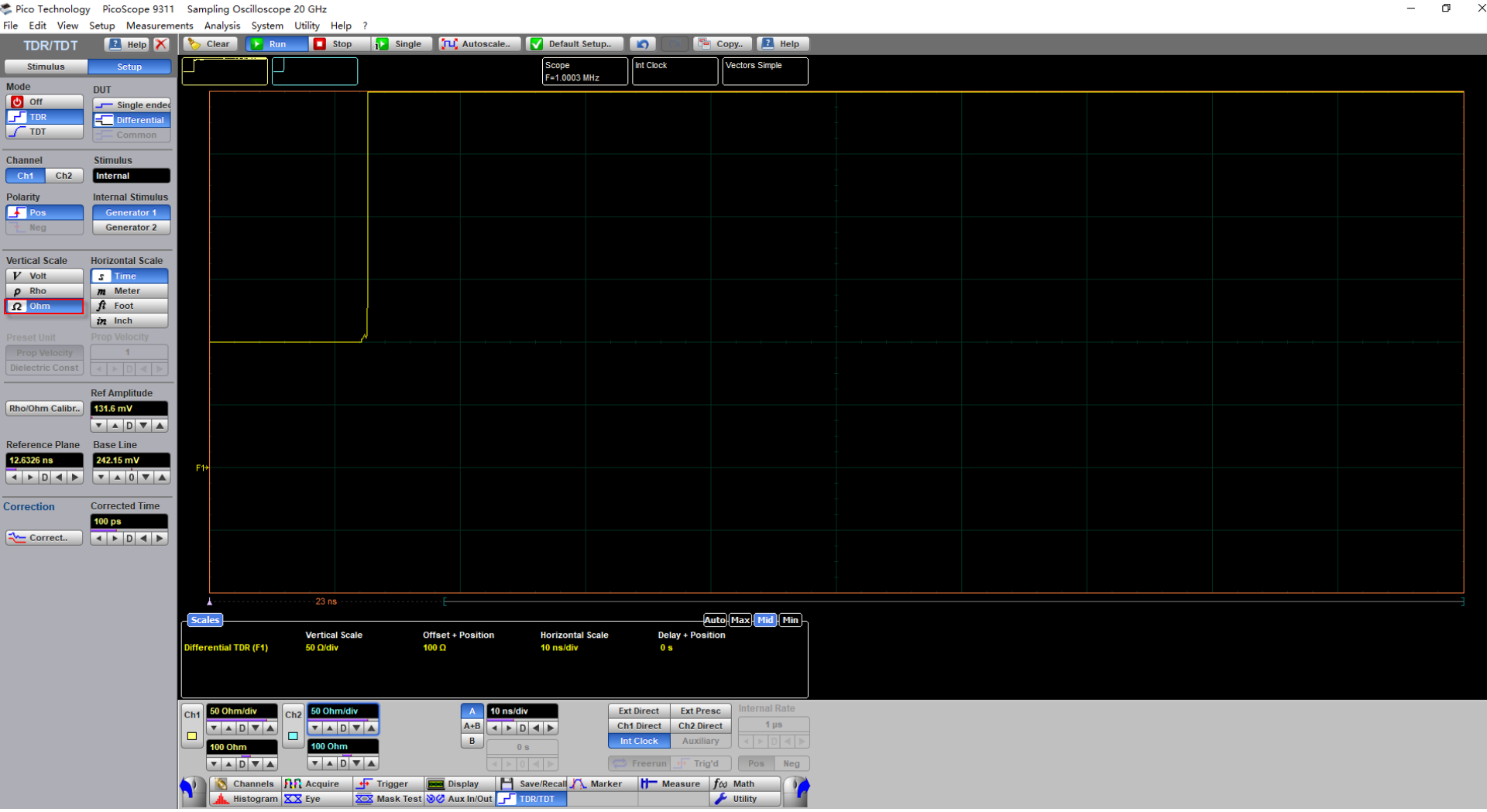
Step 6: Choose Ohm menu to show Impedance Curve



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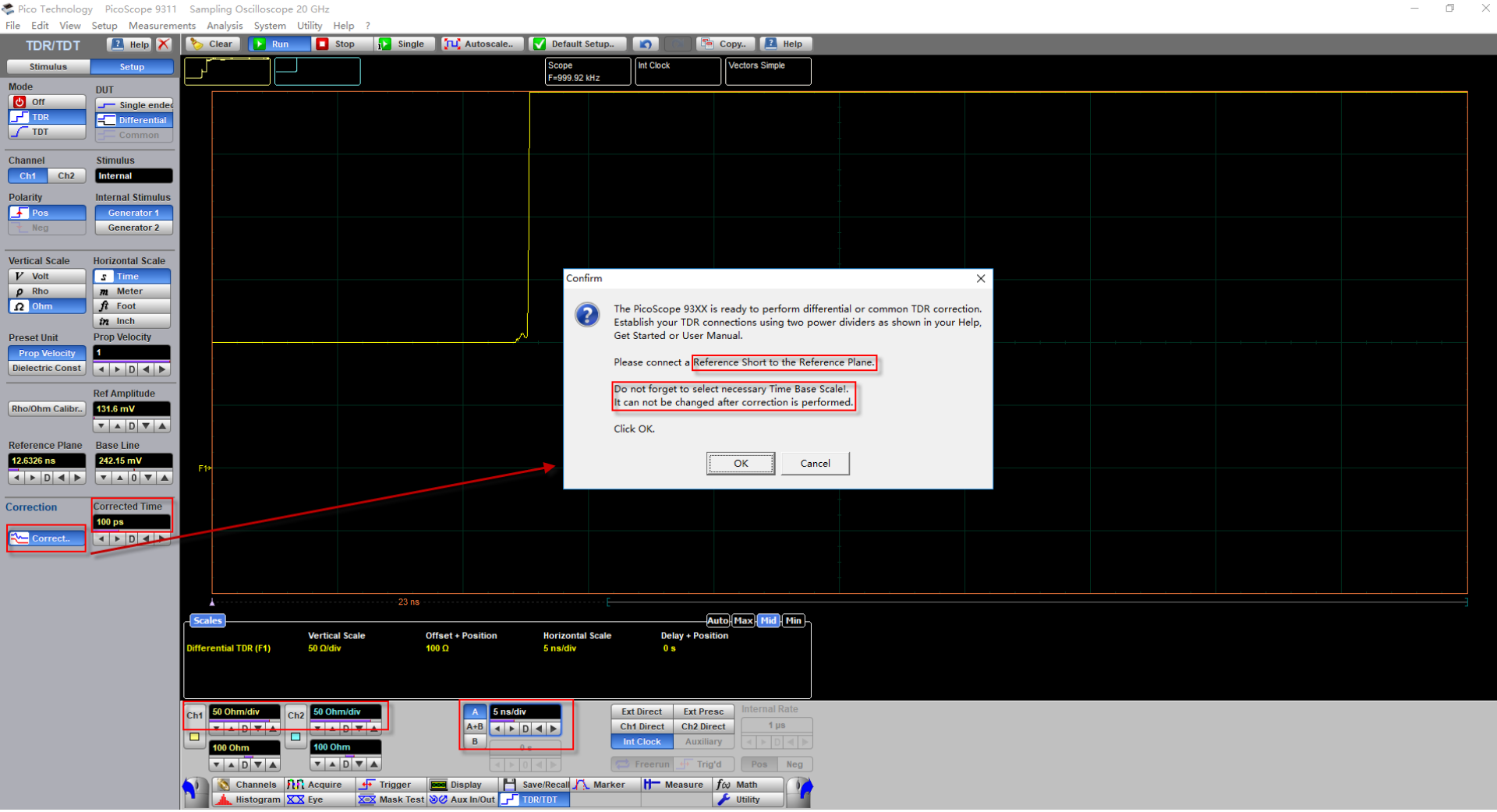
Step 7: Do Correction-Click Correction



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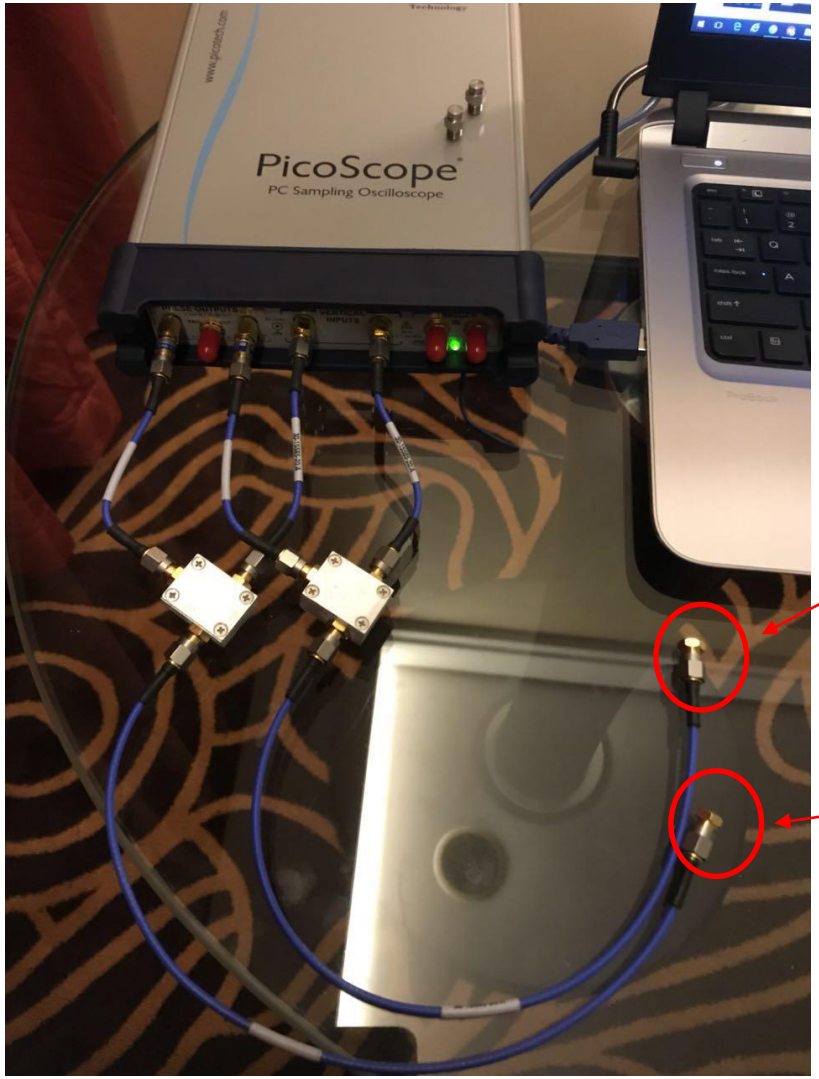
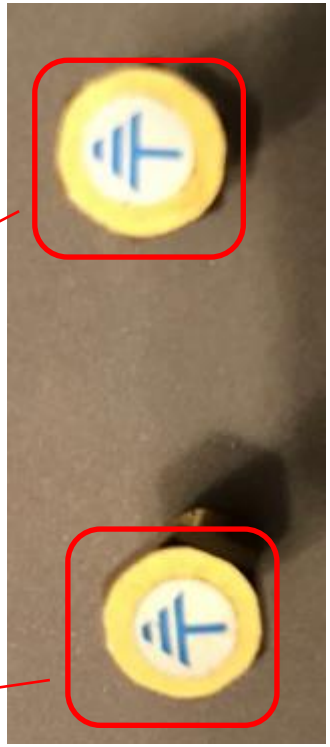
Step 8: Do Correction-Connect the Reference Short





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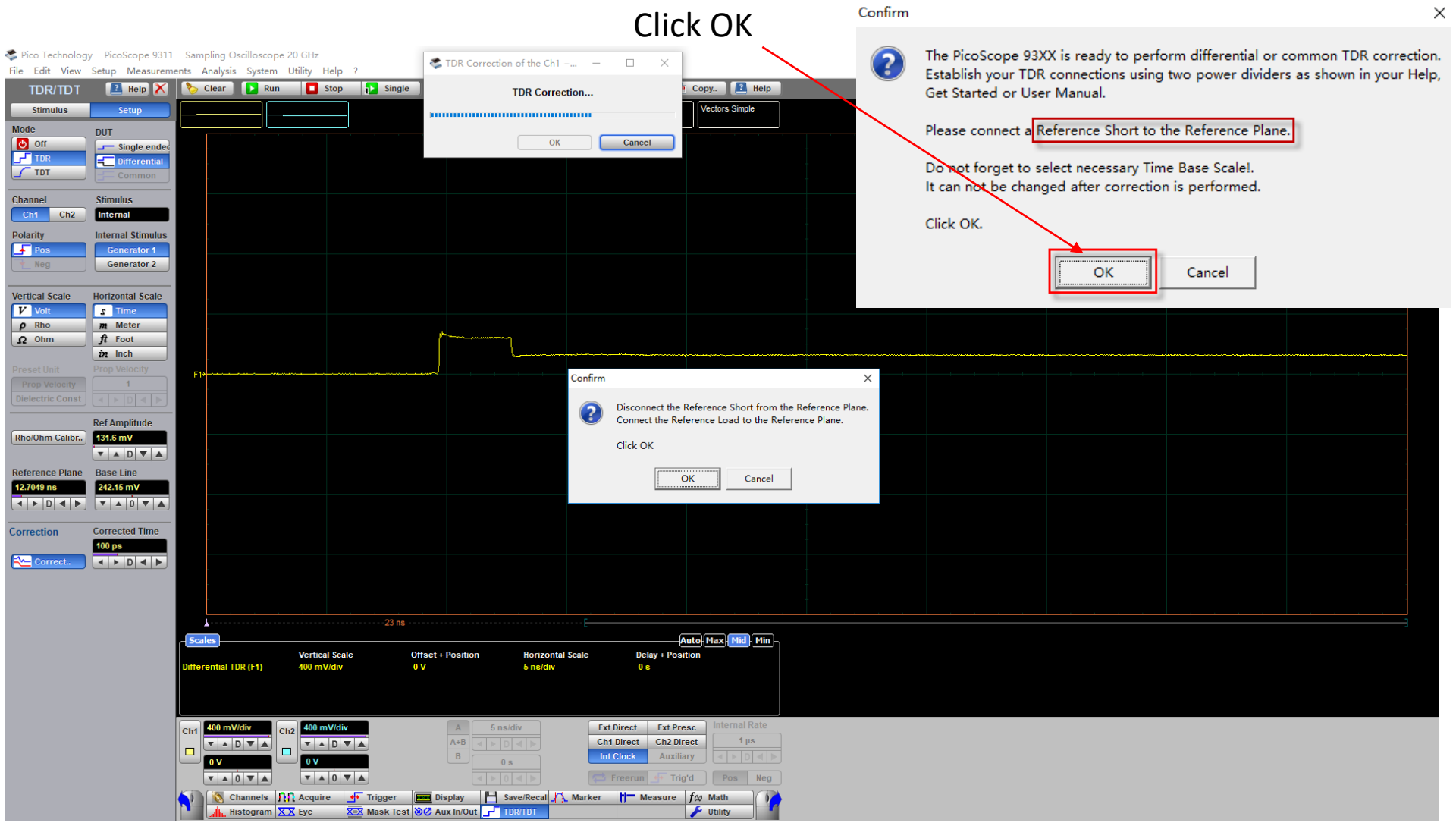
Step 9: Do Correction-Click Ok to start the Reference Short Correction



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Step 10: Do Correction-Disconnect the Reference Short from the Reference Plane

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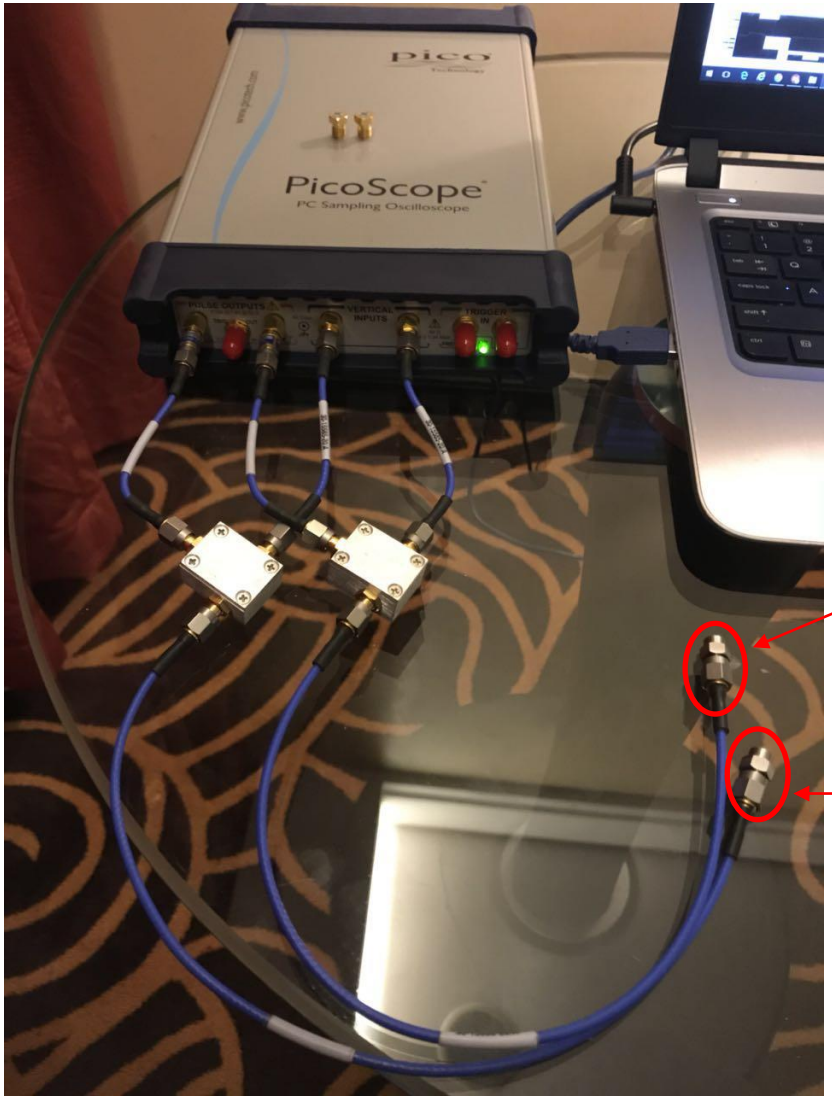
Step 11: Do Correction-Connect the Reference Load to the Reference Plane



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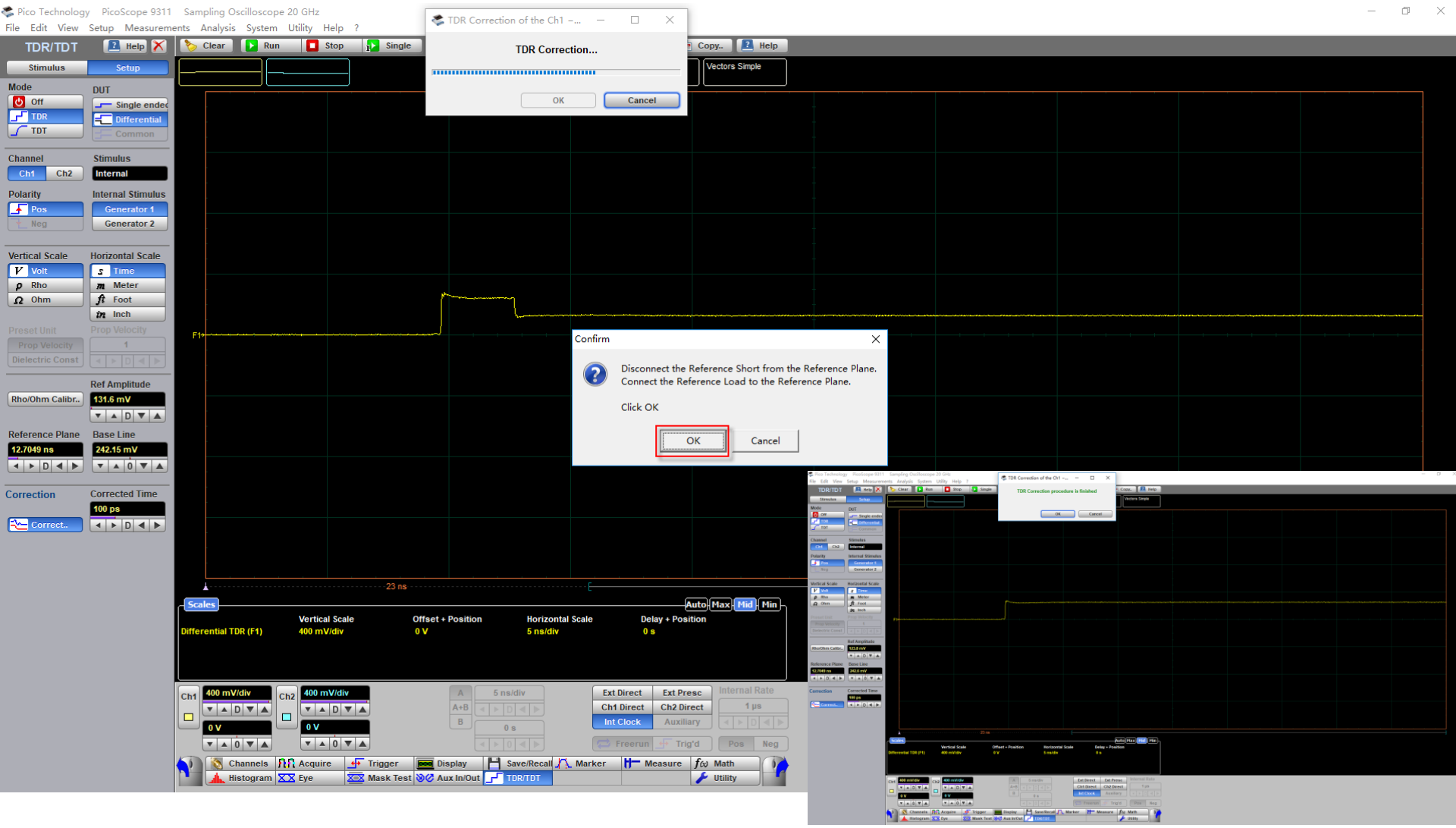
Step 12: Do Correction-Click Ok to start the Reference Load Calibration



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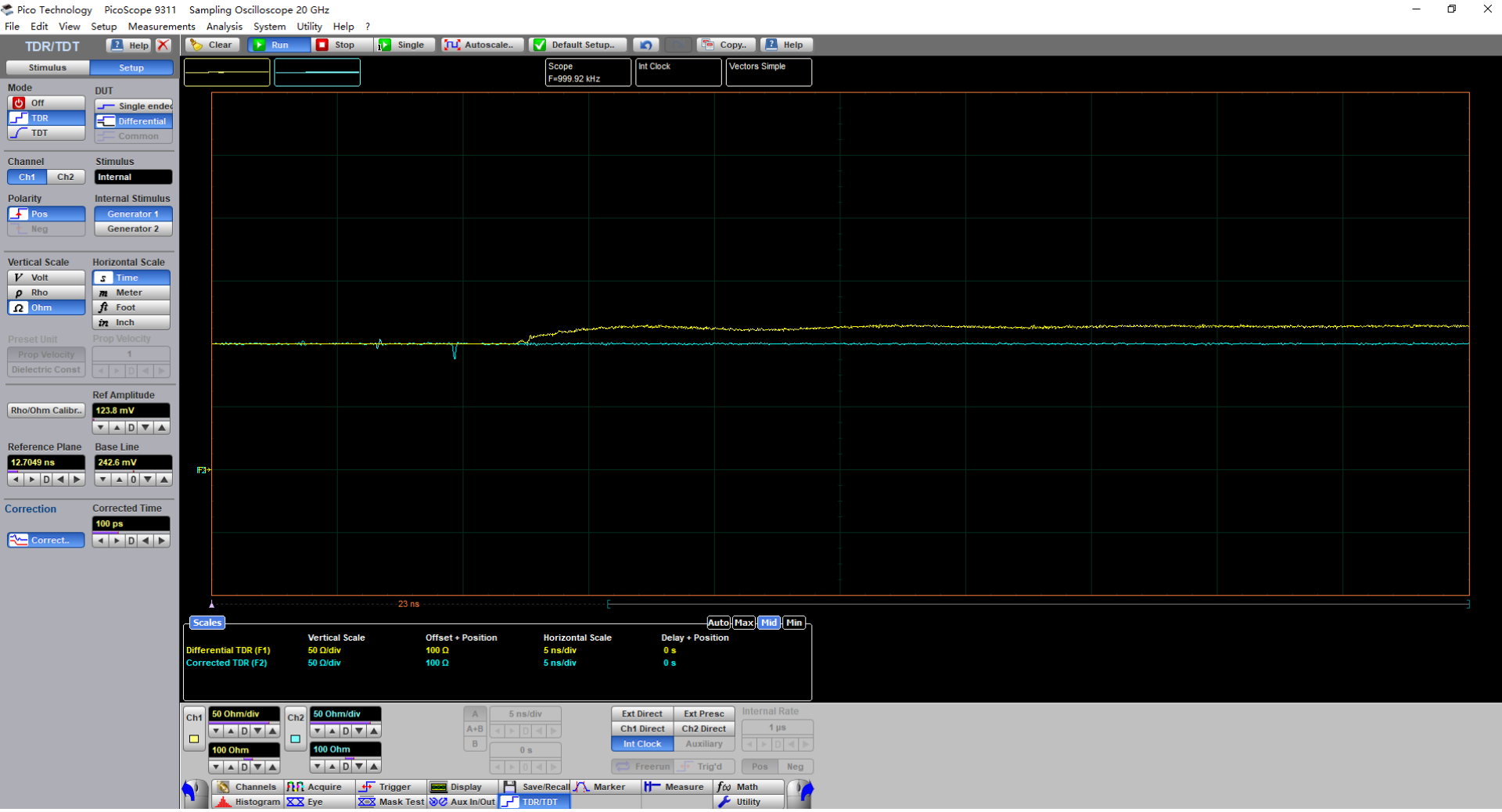
Step 13: F2 is the impedance waveform with Corrected risetime



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Step 14: F2 is the impedance waveform with Corrected risetime(Disconnect the load)

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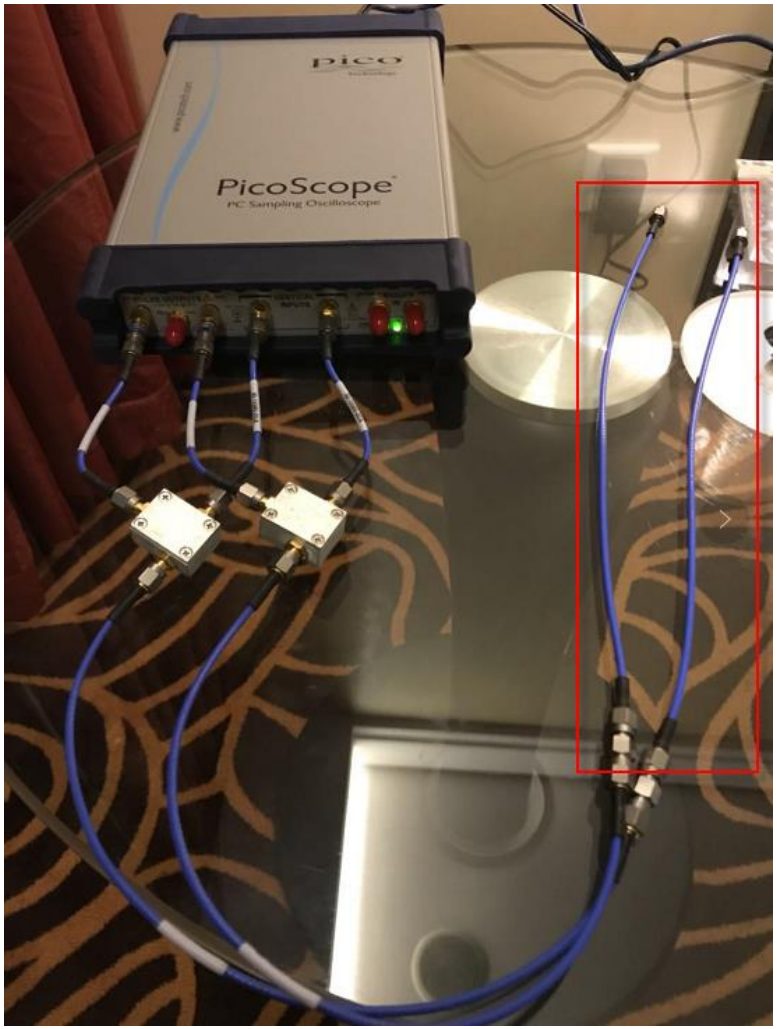
Step 15: Connect DUT(Cables)



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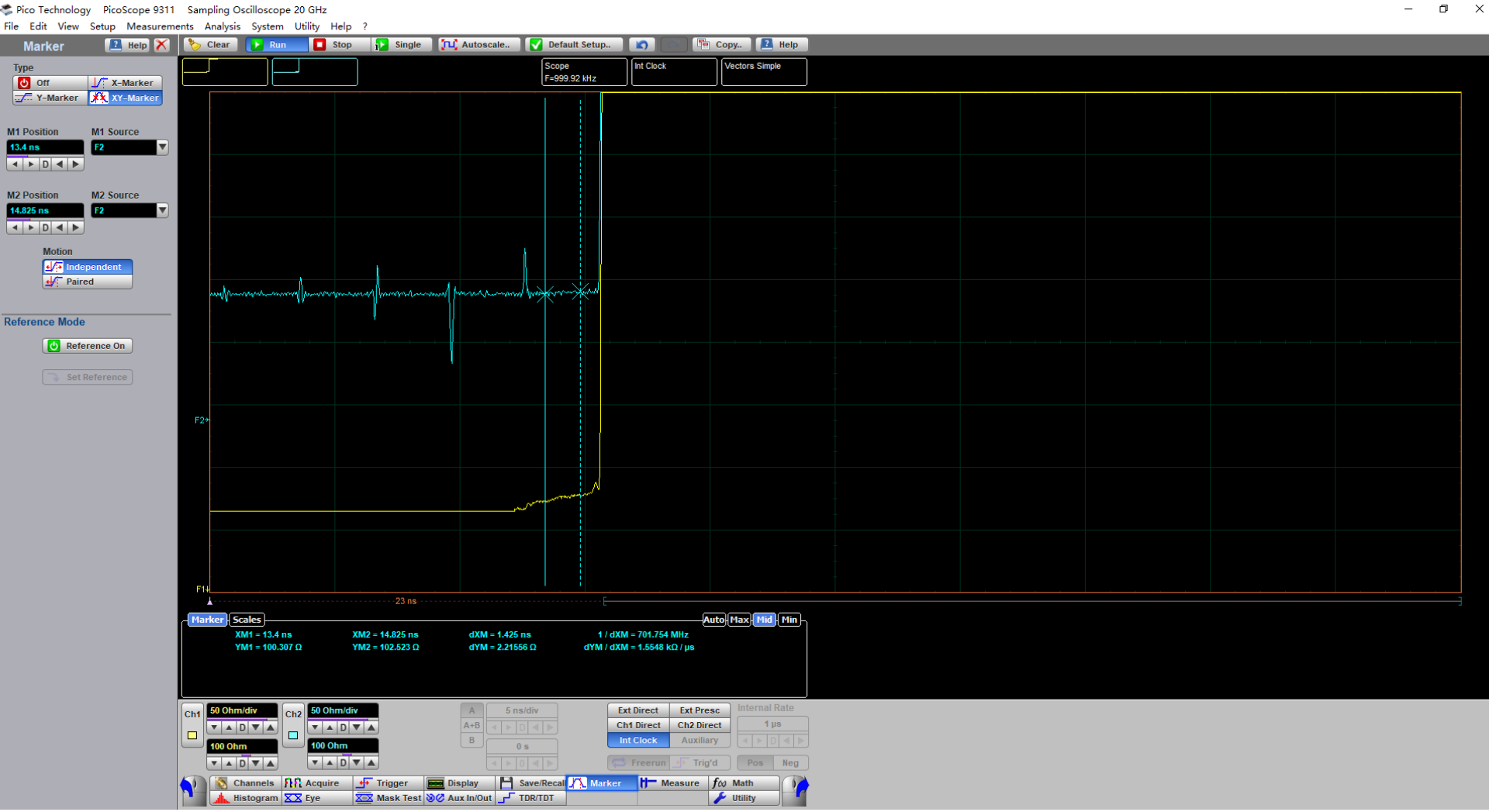
Step 16: Test Results(Cables)



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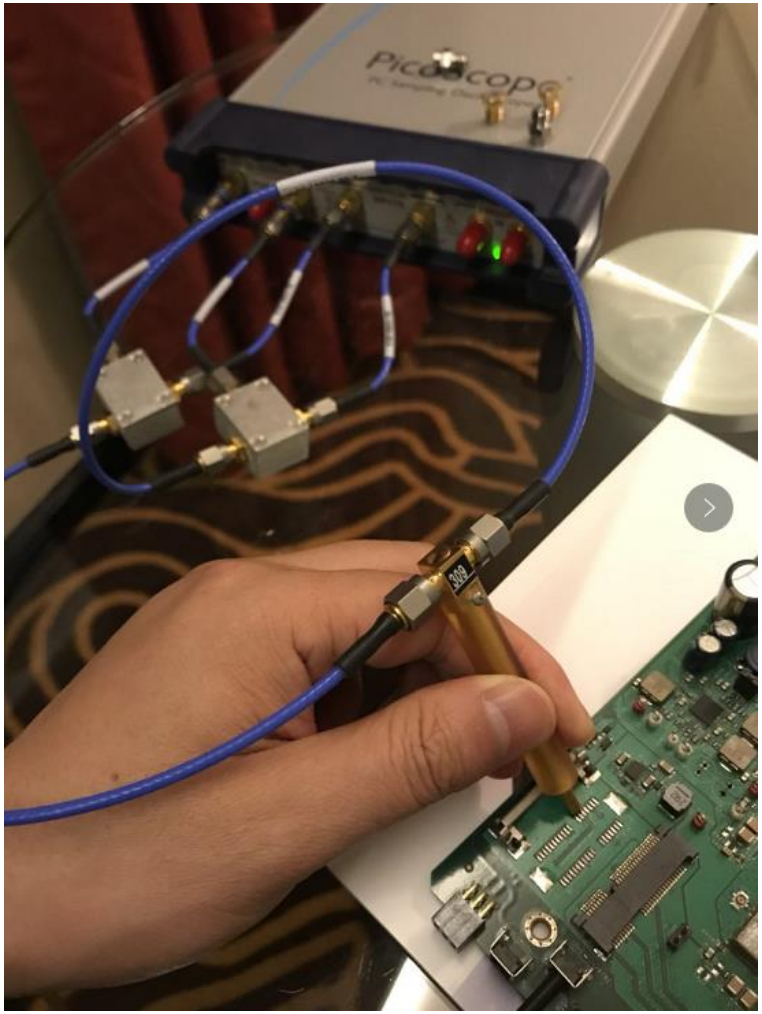
Step 17: Connect DUT(Differential PCB Trace)



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Step 18: Test result(Differential PCB Trace)

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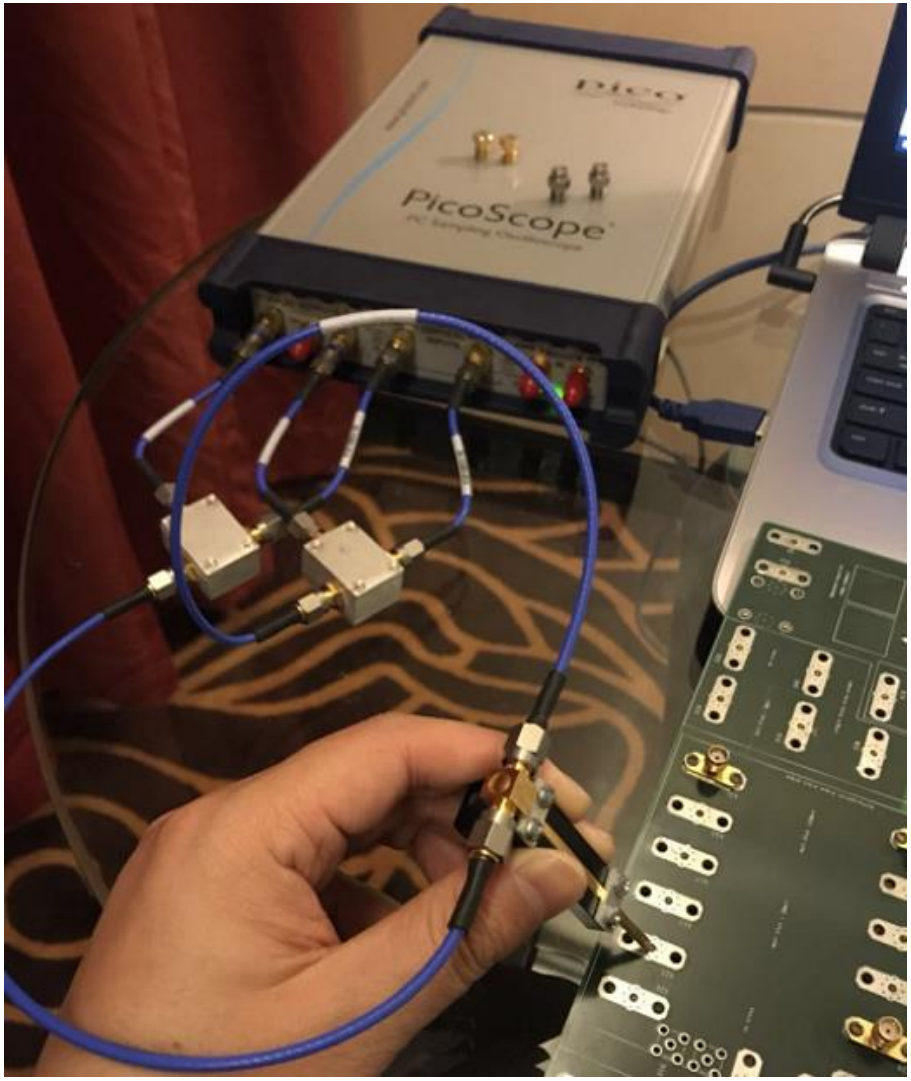
Step 19: Connect DUT(PCB Trace/Single Ended)



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Step 20: Test Result(PCB Trace/Single Ended)

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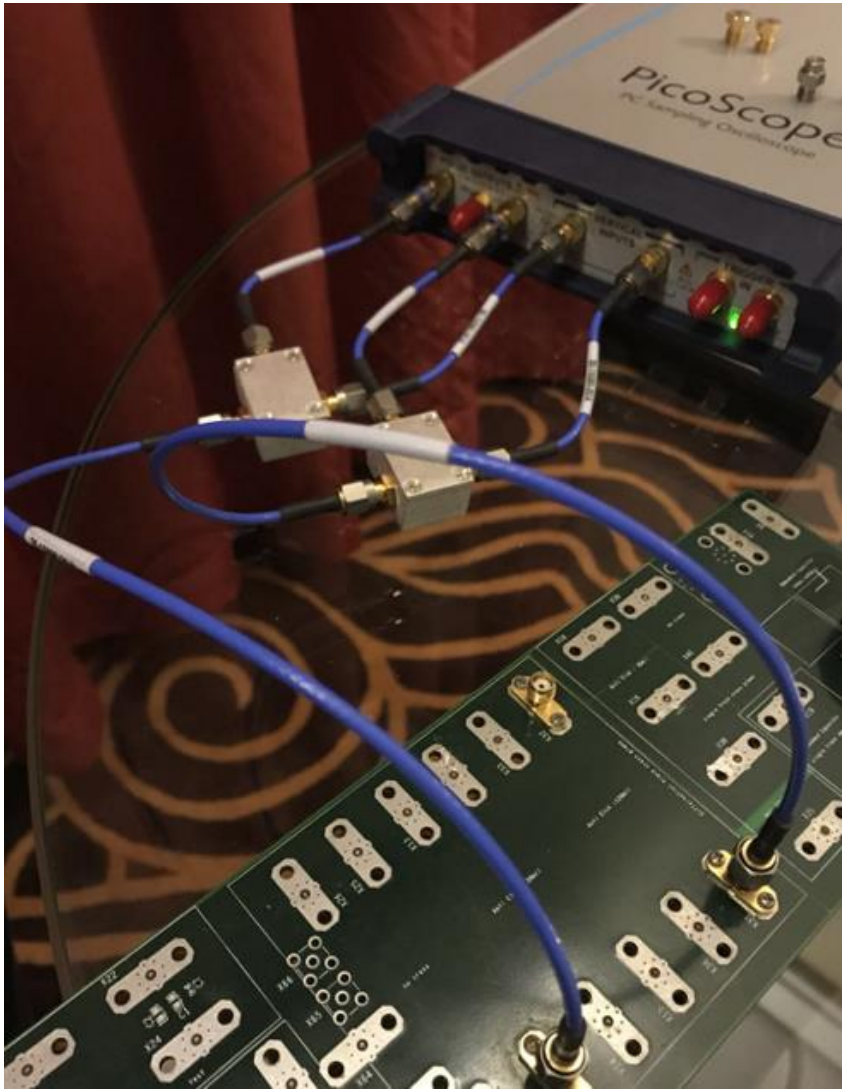
Step 21: Connect DUT(PCB Trace/Differential)



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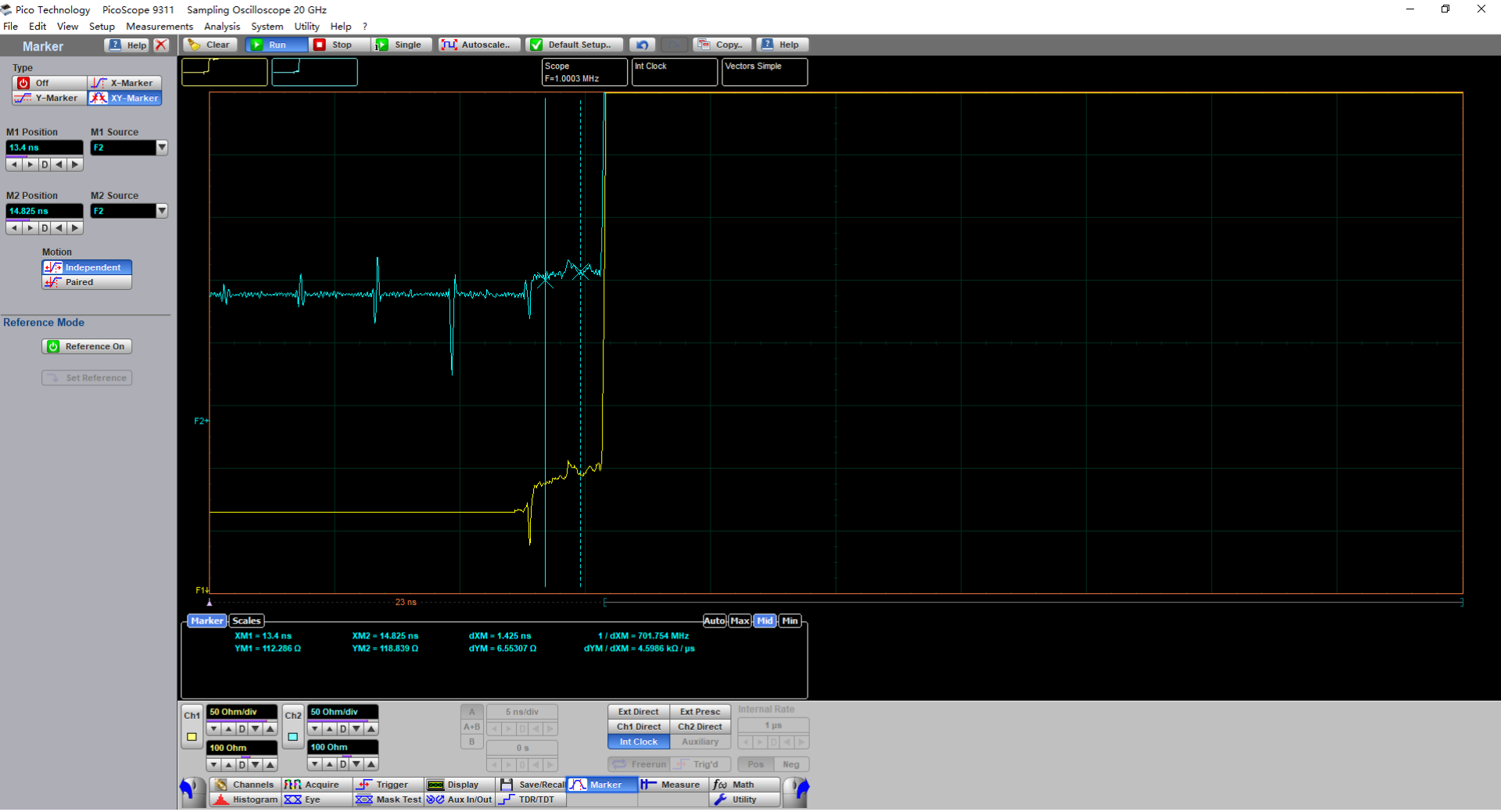
Step 22: Test Result(PCB Trace/Single Ended)



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