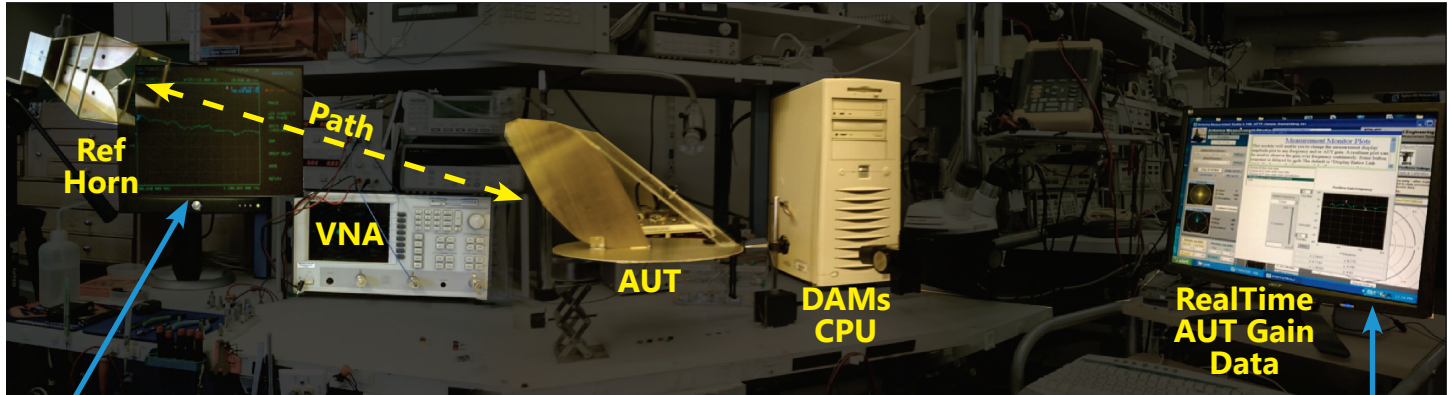


Real Time Antenna Test Setup

Application Note



Realtime antenna bench tuning and testing can save time and money. In the setup below a 700MHz to 6GHz shape optimized Vivaldi antenna was tested. The realtime plots include the link data and the DAMs gain data. Bench testing real time provides the means to modify and pre-test antennas even under the influence of multipath.

Link Data over Frequency



No evidence of multi-path can be seen either in the VNA link data display nor the real-time aut gain display. The reason is due to both the Tx and aut moderate gain levels and the path/ reflection(s) distance ratios. The real-time gain display show the absolute gain level with the horn and path loss frequency variations removed.

RealTime AUT Gain Data

