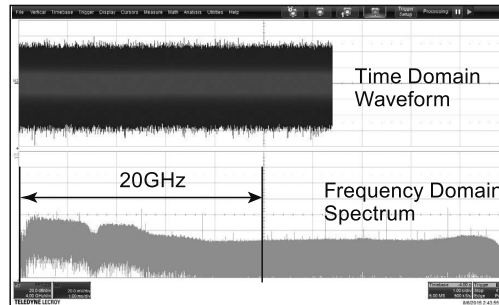


Get Deeper Insight of Plasma behavior

in Time and Frequency Domain with Teledyne LeCroy LabMaster10Zi –A Series

LabMaster10Zi-A can capture Plasma as RF Signal with its wide bandwidth (up to 100GHz) and high sampling rate (up to 240GS/s), and show up in both time and frequency domain.

It guides you to gain deeper insights into specified behavior and leads you to next frontier.



LHD Experiment

Plasma behavior in Time Domain (upper) and Frequency Domain (Lower) Courtesy of NIFS



Oscilloscopes
LabMaster10Zi-A



Model	LabMaster 10-20Zi-A	LabMaster 10-25Zi-A	LabMaster 10-30Zi-A	LabMaster 10-36Zi-A	LabMaster 10-50Zi-A	LabMaster 10-59Zi-A	LabMaster 10-65Zi-A	LabMaster 10-100Zi-A
Analog Bandwidth (1.0mm Input)	NA	NA	NA	NA	NA	NA	NA	65GHz/100GHz
Analog Bandwidth (1.85mm Input)	NA	NA	NA	NA	50GHz	59GHz	65GHz	NA
Analog Bandwidth (2.92mm Input)	20GHz	25GHz	30GHz	36GHz	36GHz	36GHz	36GHz	36GHz
Rise Time (10-90%, 50 Ω)	19.3ps	15.4ps	12.8ps	10.7ps	8.0ps	6.9ps	6.5ps	4.5ps
Input Channels	Up to 80, depending on configuration selected.				Up to 40, depending on configuration selected. Up to 80 @ 36 GHz. Up to 20 @ 100GHz/65GHz(10-100 Zi-A only)			
Single-Shot Sample Rate/Ch	80 GS/s on each channel.				80 GS/s on each channel in ≤ 36 GHz Mode. 160 GS/s on each channel in > 36 GHz Mode. 240 GS/s on 100 GHz (10-100 Zi-A only)			

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