Salt Transient Digitizer (STD) Design Review

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Design Goals

- 2 input channels (50Ω)
- Input signal bandwidth: DC-1GHz
- Input signal power: 1W (>500MHz)
- Sampling rate: 0.1sample/s-3.4Gsample/s
- Sample resolution: 12 bits
- Sampling windows: 250 (high speed) 1000 (low speed)
- Range: 10mV/Div-10v/Div
STD System (Lab Environment)

Function Generator -> Salt Transient Digitizer (STD) -> USB Cable -> Workstation
Setting Protocol