

# Measurements Of Variation In Received Waveform Due To Launch Polarization

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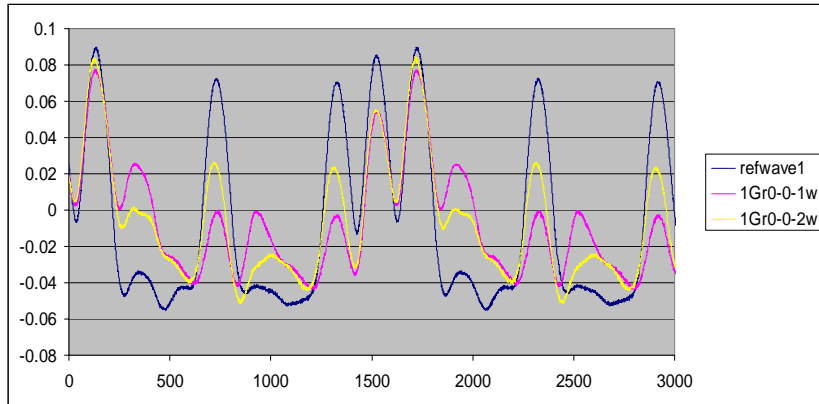
1 November 2004

# Comments

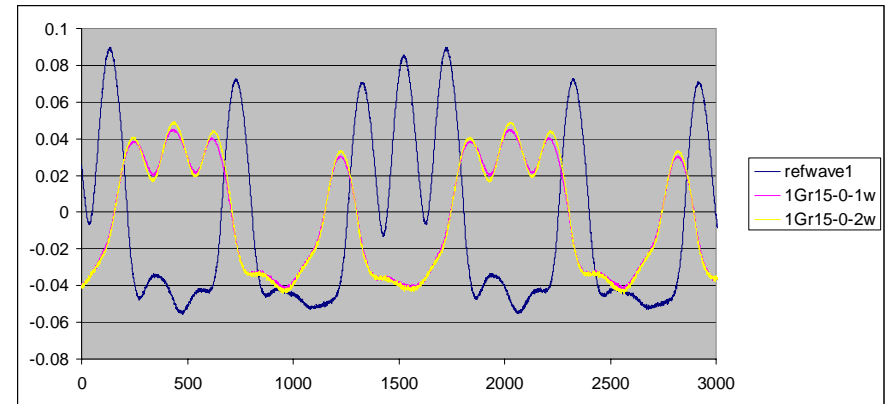
- FP laser used as source.
- Three fibres: 1Green (centre RFI perturbation), 1Orange (good fibre), 2Orange (centre and mid-offset RFI perturbations) from TIA 1996 Round Robin cable.
- Reference waveform measured with short fibre to indicate bit sequence.
- Usually two received waveforms: best and worst polarization results.
- Offset launch result sometimes has only one received waveform because launch polarisation had no effect.

# Fibre 1 Green

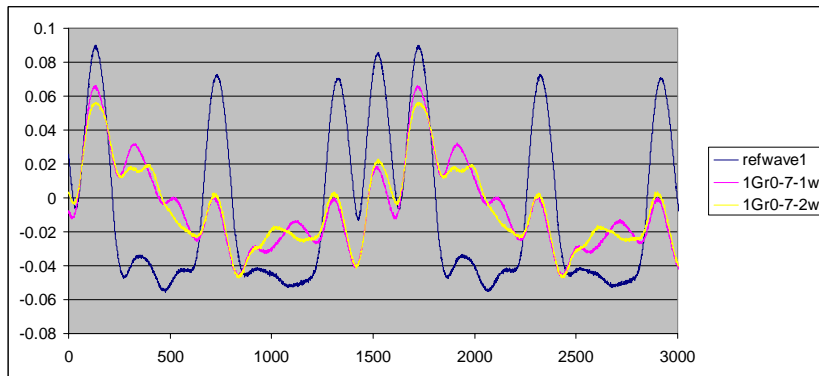
Centre launch, no connector



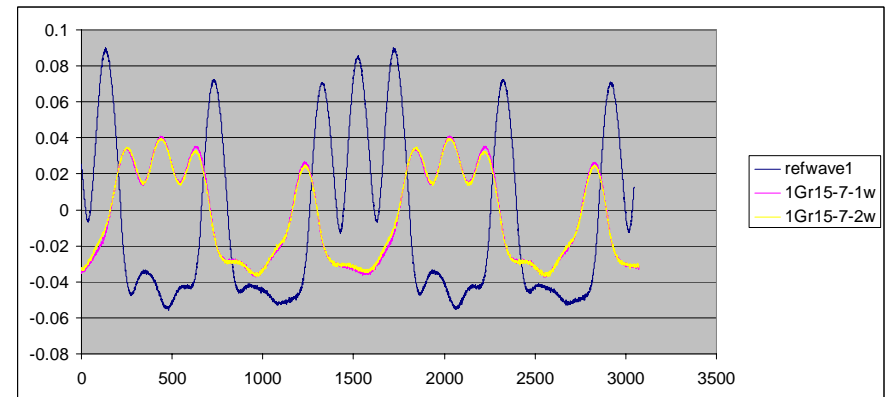
15 um offset launch, no connector



Centre launch, 7 um connector



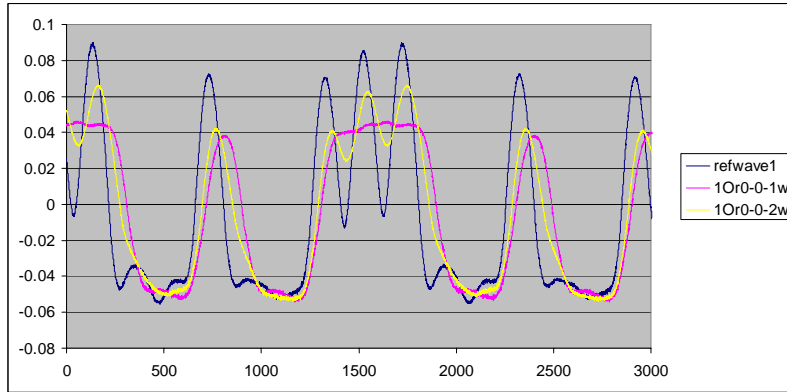
15 um offset launch, 7 um connector



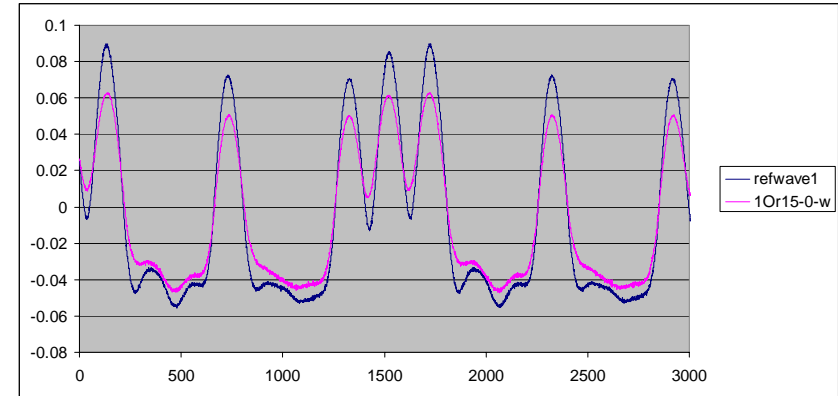
x axis on all graphs are in units of ps

# Fibre 1 Orange

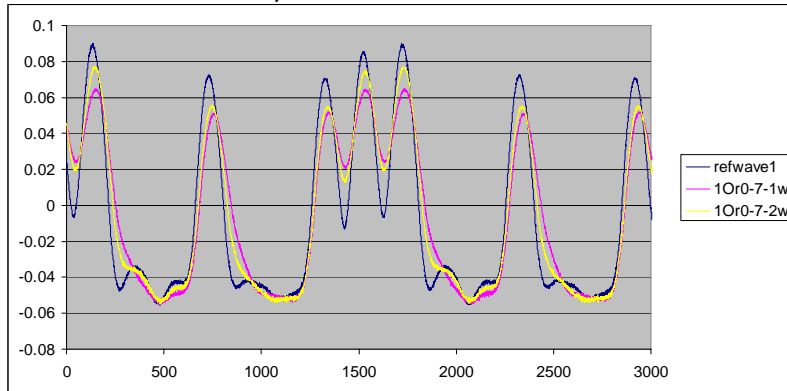
Centre launch, no connector



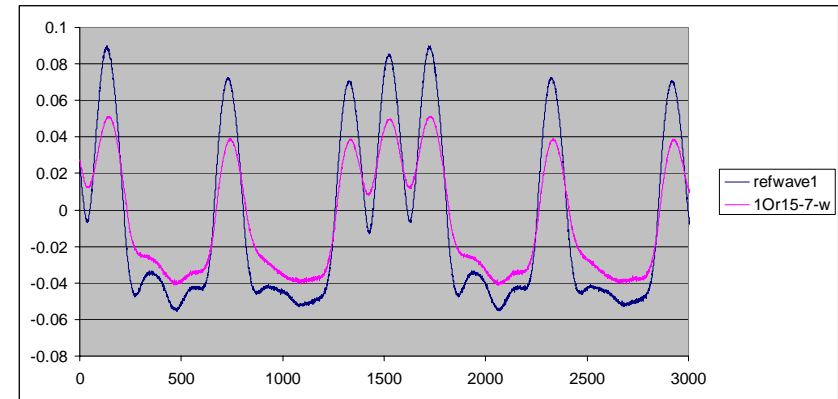
15 um offset launch, no connector



Centre launch, 7 um connector



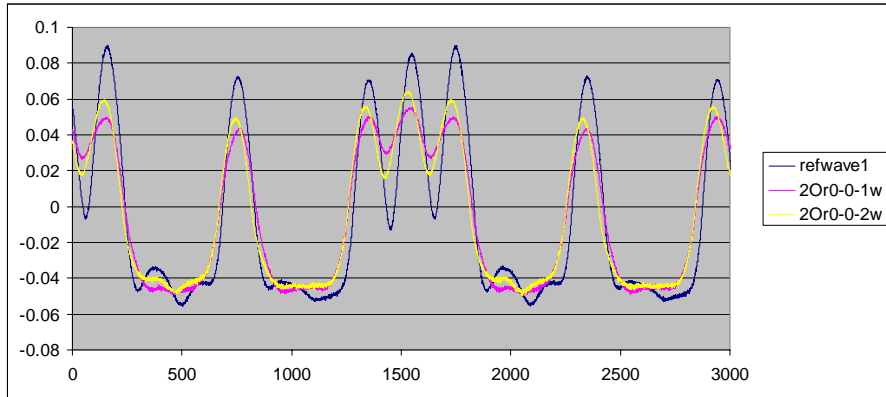
15 um offset launch, 7 um connector



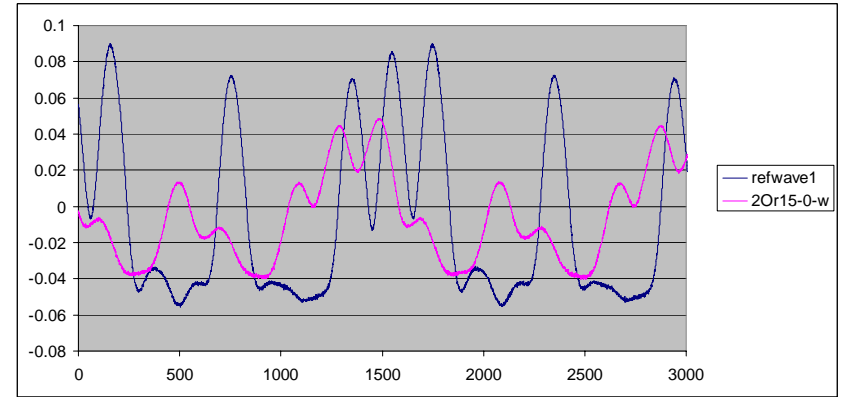
x axis on all graphs are in units of ps

# Fibre 2 Orange

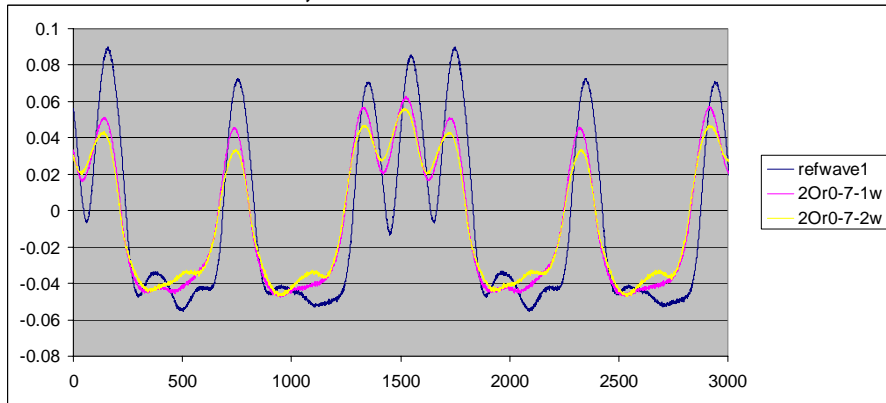
## Centre launch, no connector



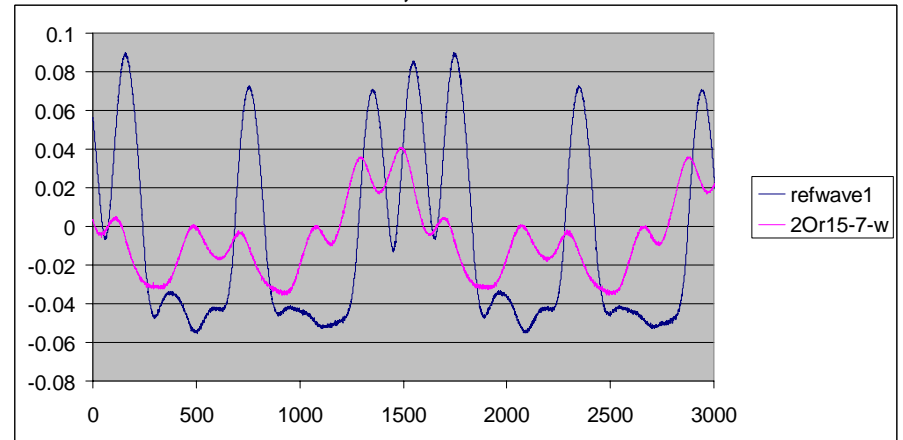
## 15 um offset launch, no connector



## Centre launch, 7 um connector



## 15 um offset launch, 7 um connector



x axis on all graphs are in units of ps