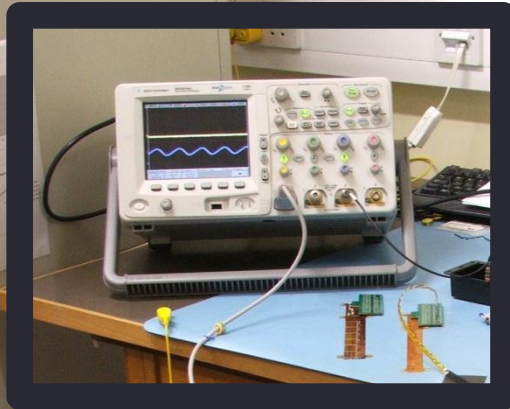


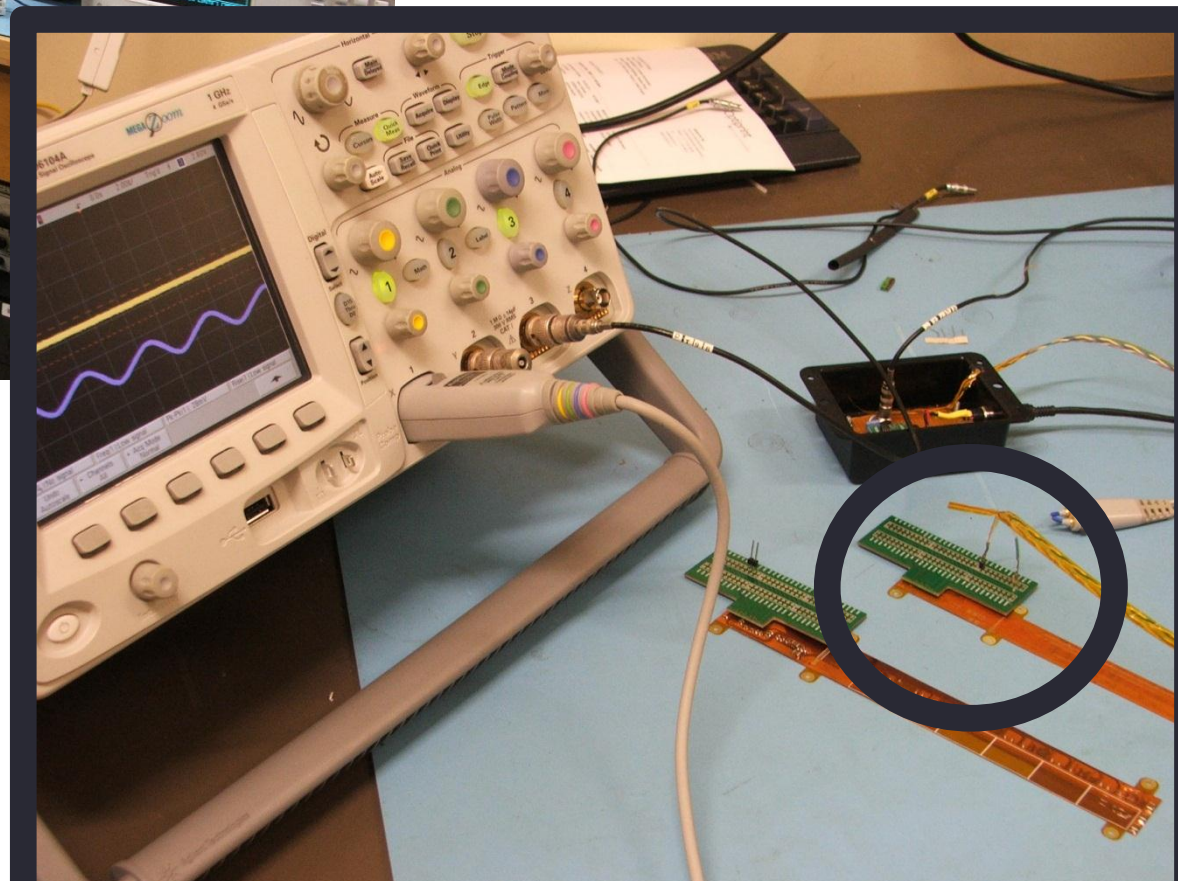
CLOCK PROPAGATION MEASUREMENTS OPTI'10 VS OPTI'11

Rhorry Gauld



Set-up at Oxford

LVDS input separated
on new flex design



1GHz Scope
1GHz dig. Probe
LVDS converter
Opti'10 & '11 flex

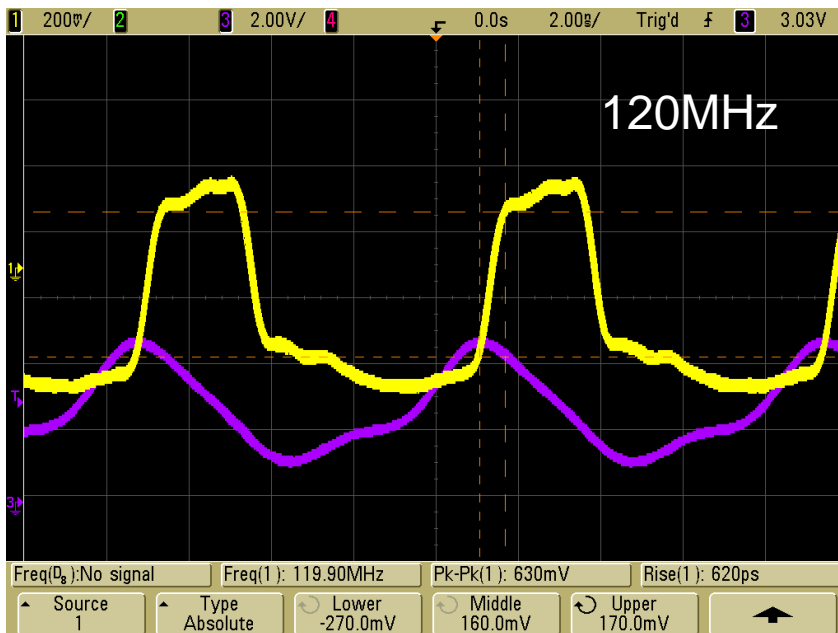
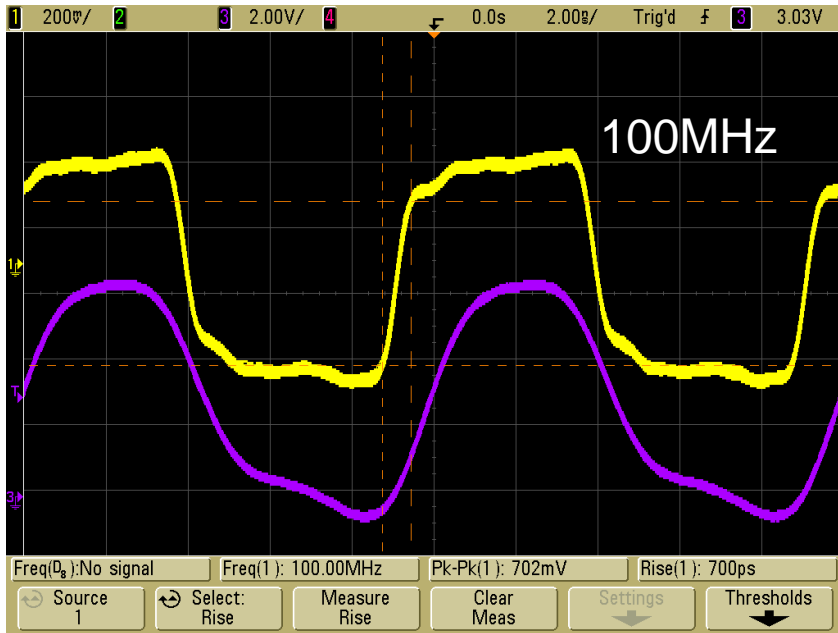
Flex design

Measurements in microns	Optiprint '10	Optiprint '11
Trace Thickness	20	20
Substrate Thickness	25	25
Cover Layer(top/bottom)	38/38	20/20
Trace Width	75	60
Trace Separation	90	75

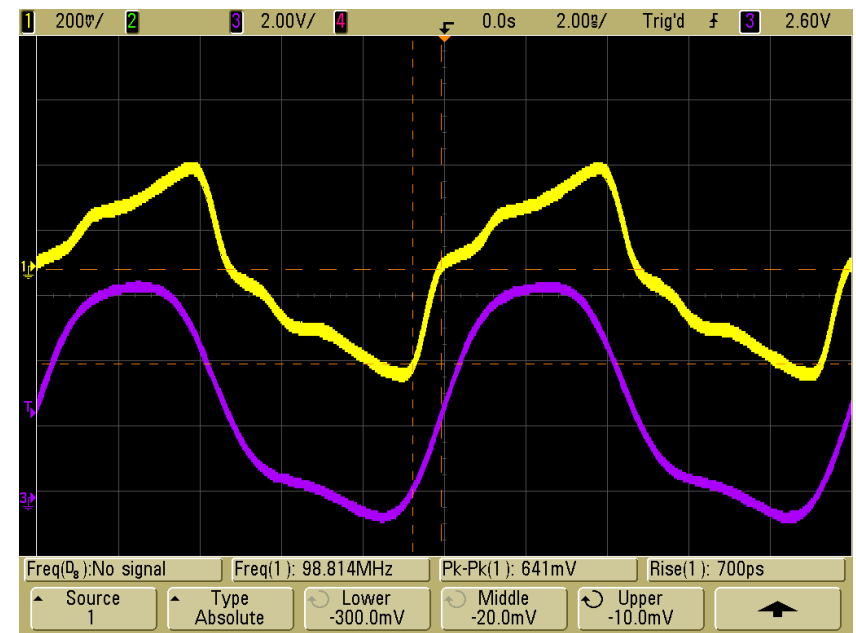
Copper traces on both flexes. Each flex terminated with 100 Ohm resistor

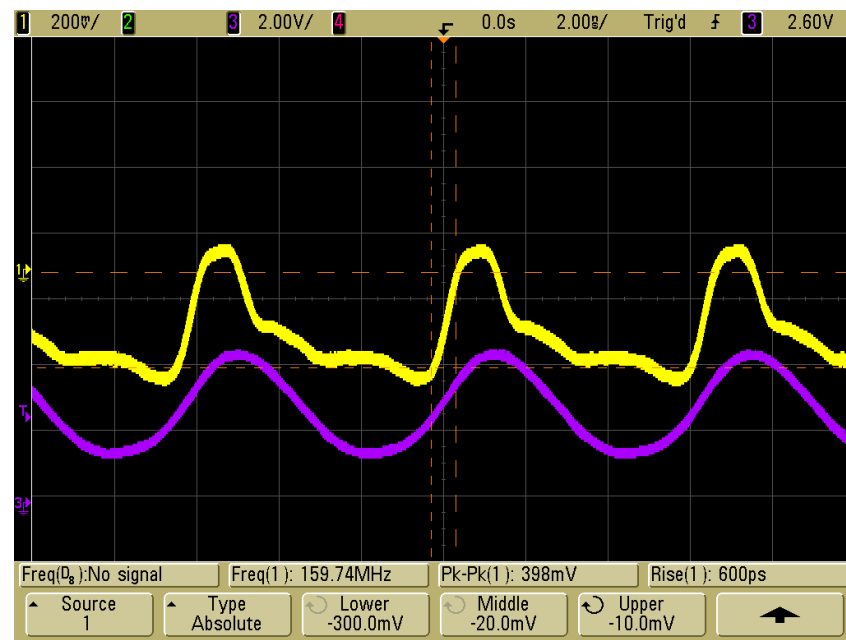
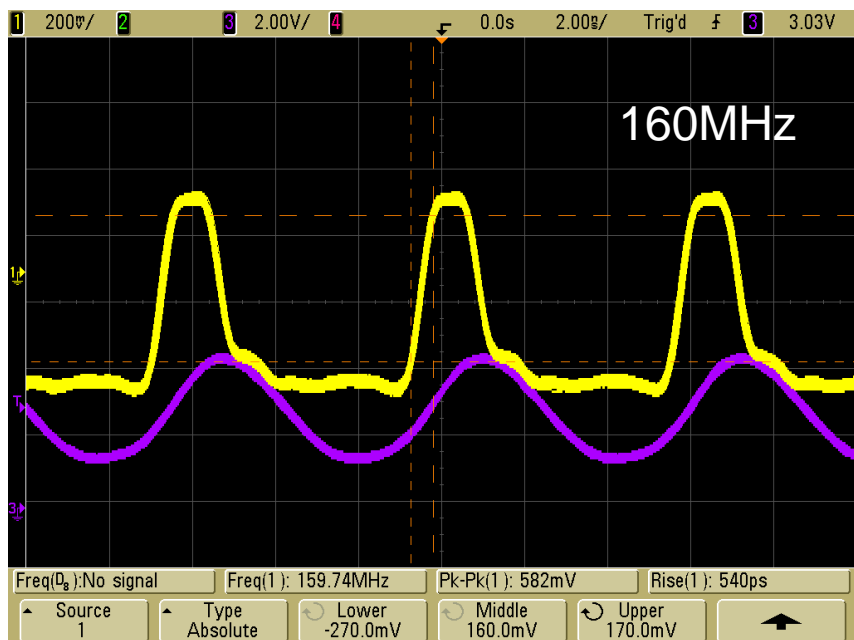
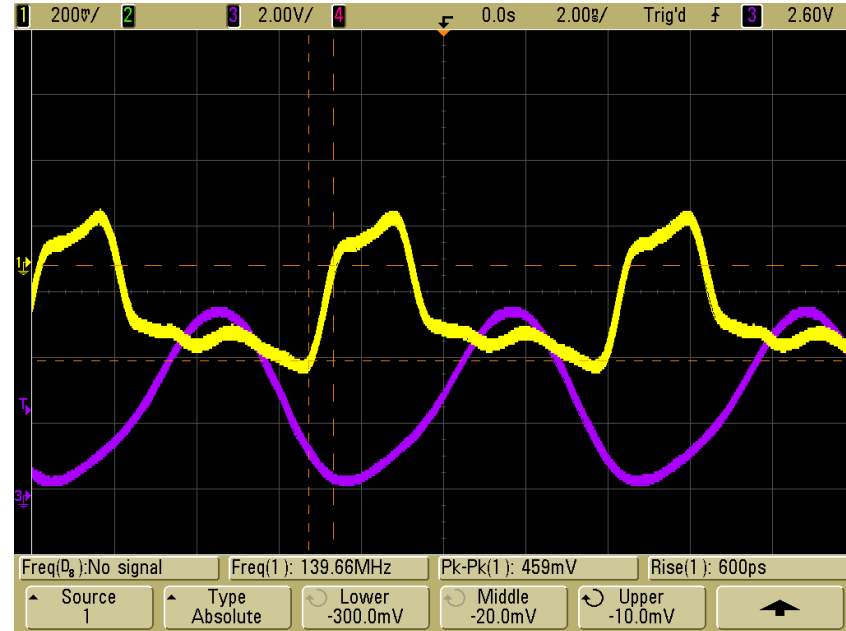
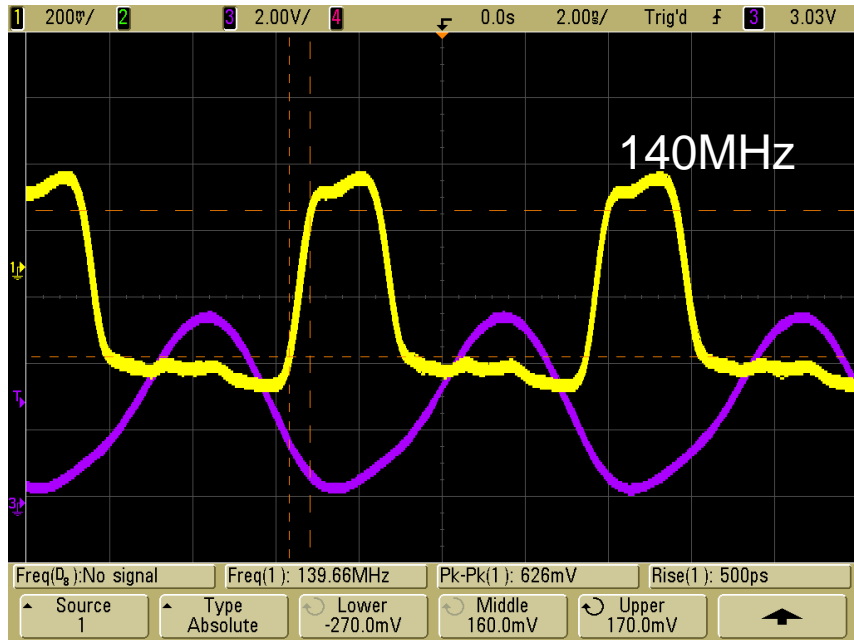
All measurements taken 14/11/11

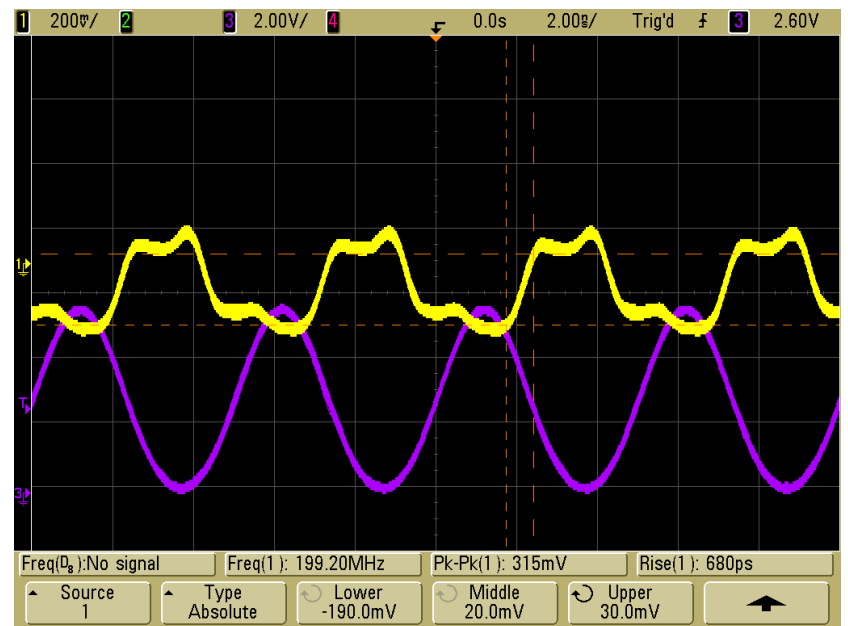
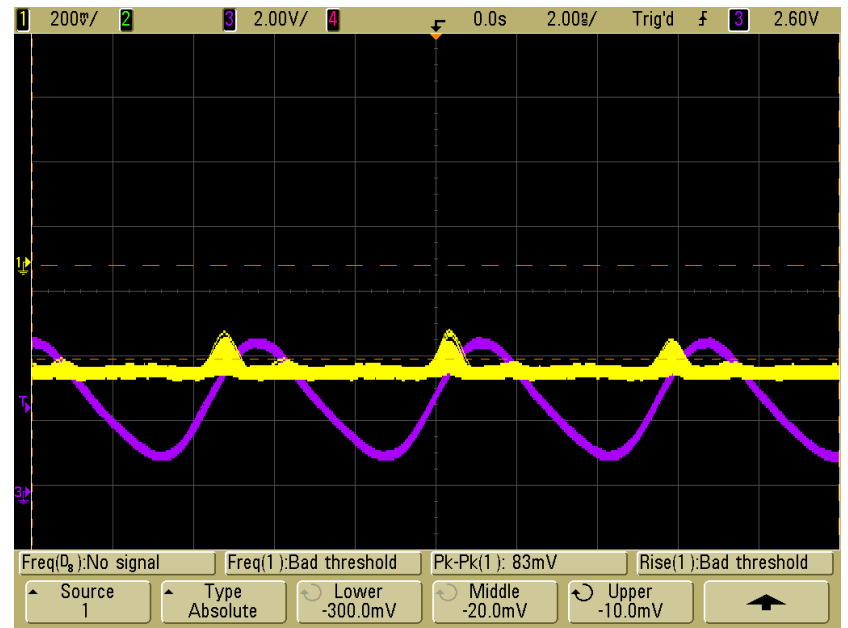
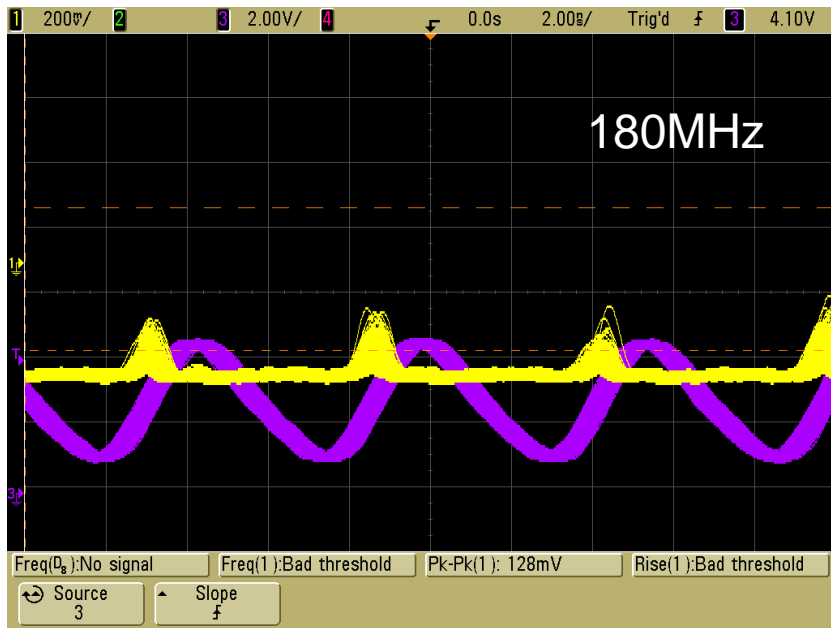
Optiprint 2010 version

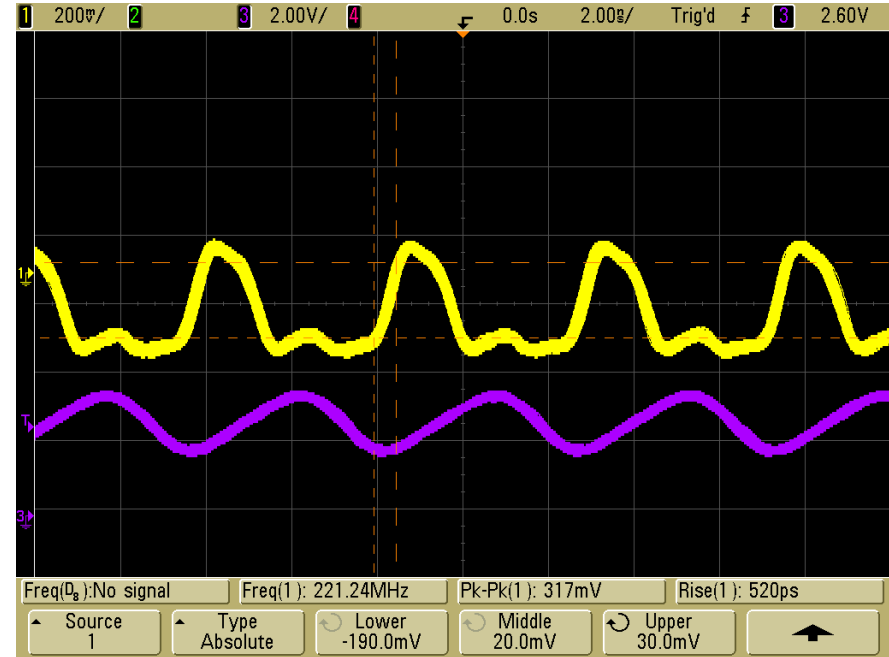
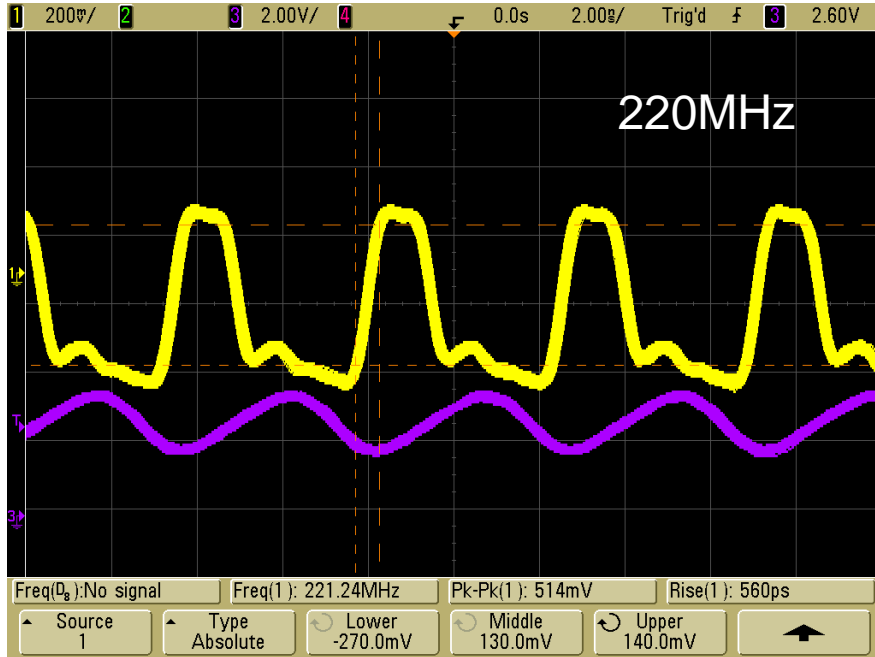


Optiprint 2011 version









Need to use Network Analyser for more accurate results?

Need to test aluminium flex