



Micro Sample Analysis Data

Raman Microscope : ICRM7000

Raman Spectrometer : LSI DP1

Laser : 785nm

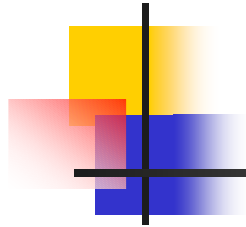
Laser power to the sample : 300mW



Lambda Ray
Co., Ltd.

ICRM7000 & DP1-785

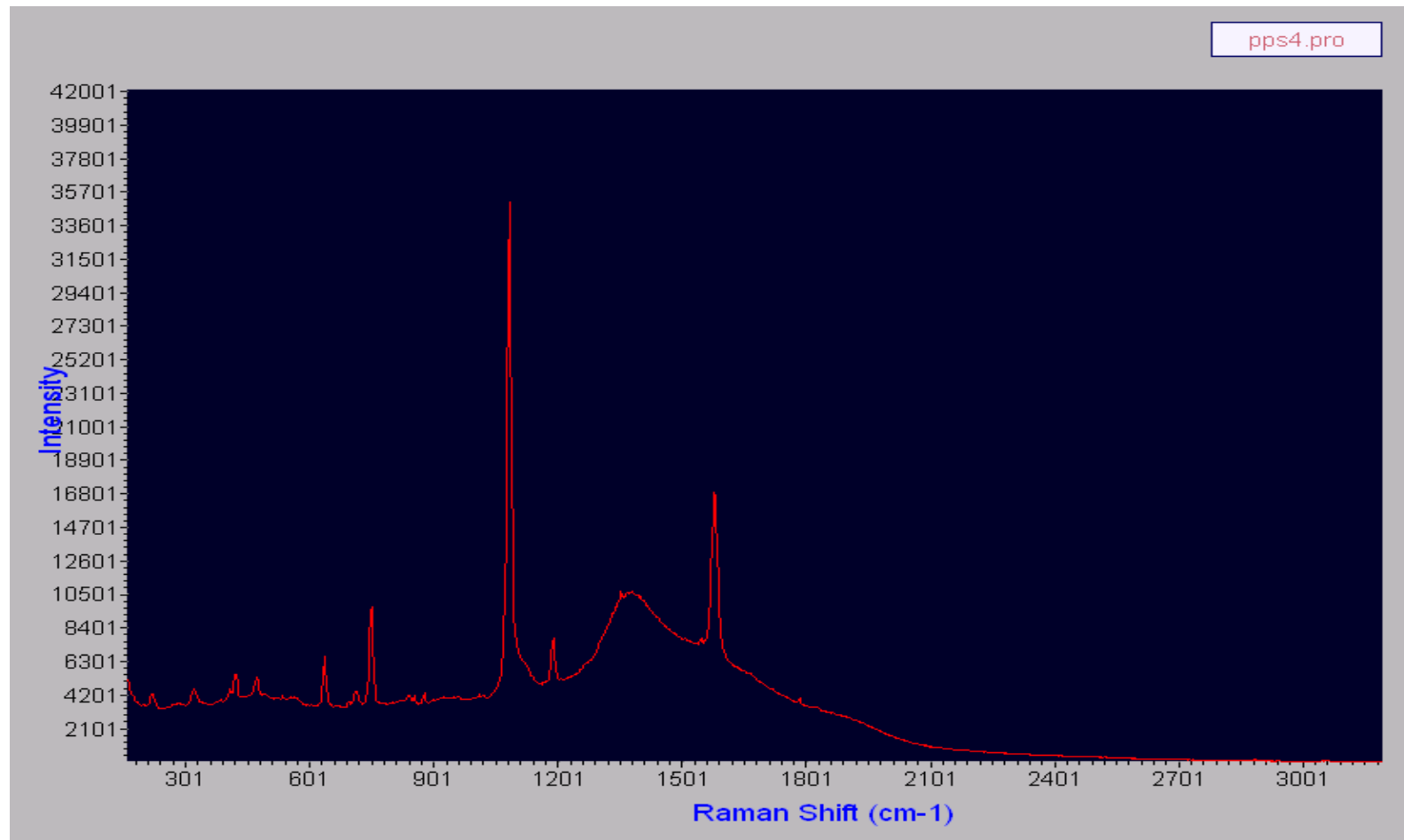




Micron sample analysis data with ICRM

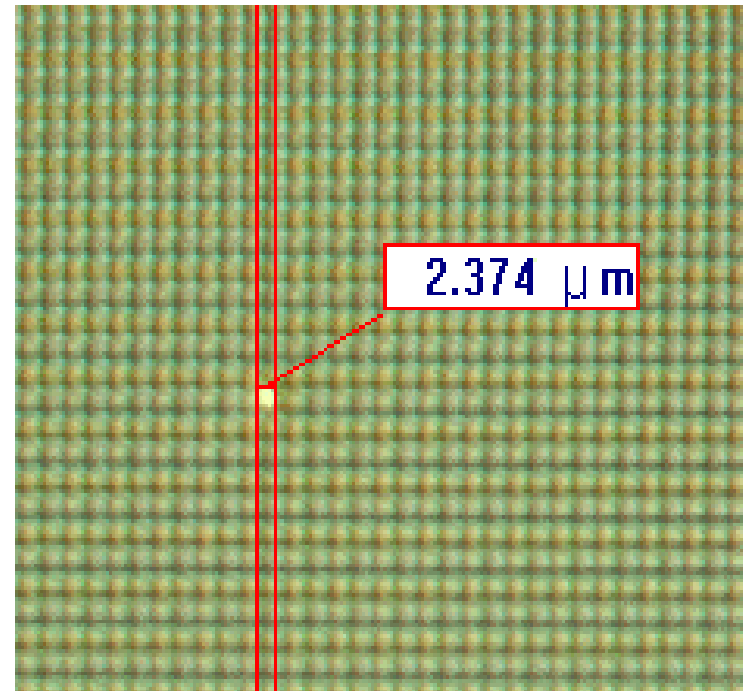
- Analysis of 1 micron PPS
- Particle on CCD
- Particle in PET Film
- Display Panel
- Particle on printer circuit board
- Experimental process of Stage micro-manipulator

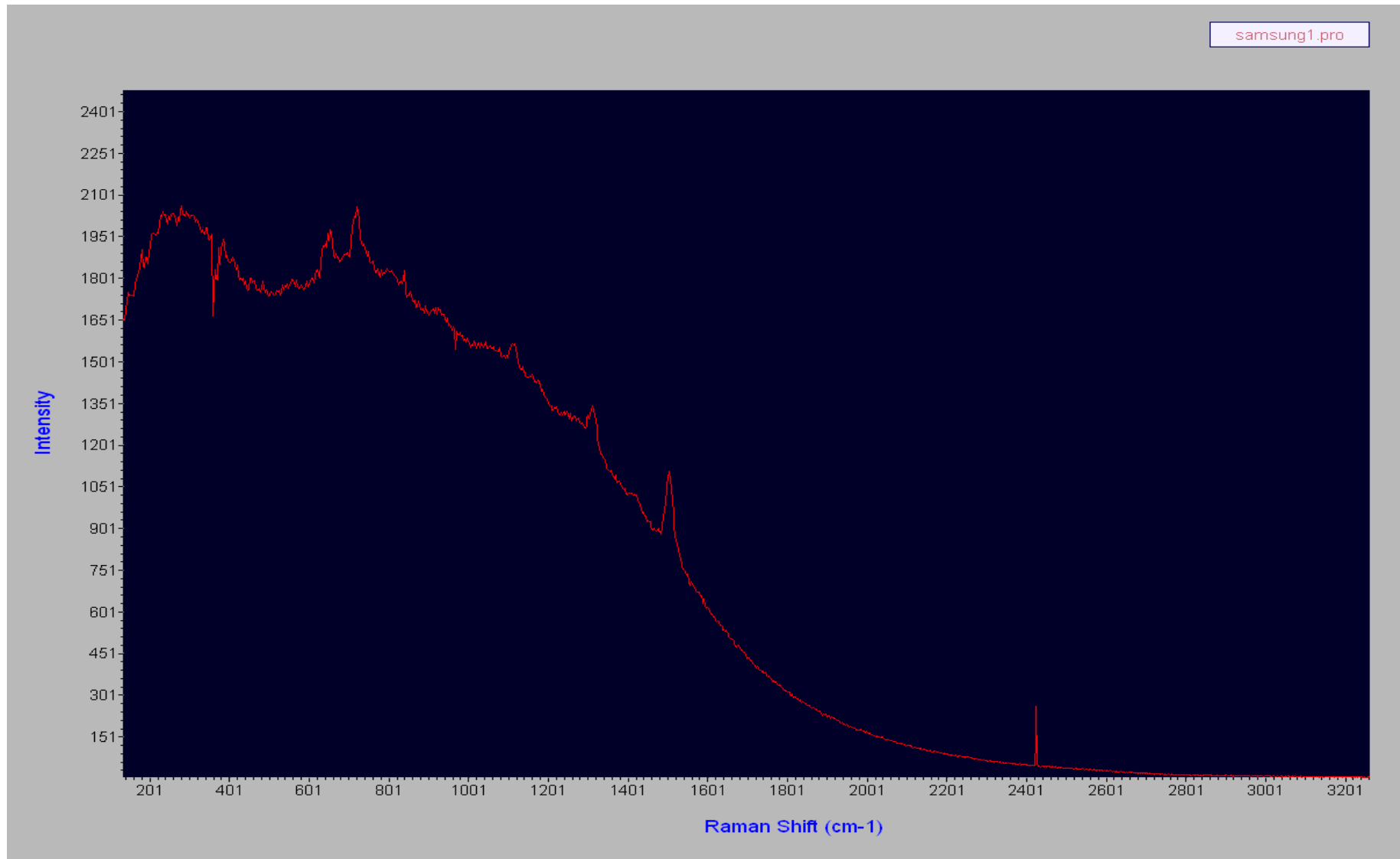
Analysis of 1 micron PPS on gold plate with cover glass



Number of scan : Raman spectra of 2 scans Polyphenylenesulfide(PPS)

Particle on CCD





Raman spectra of particle only

Particle in PET Film

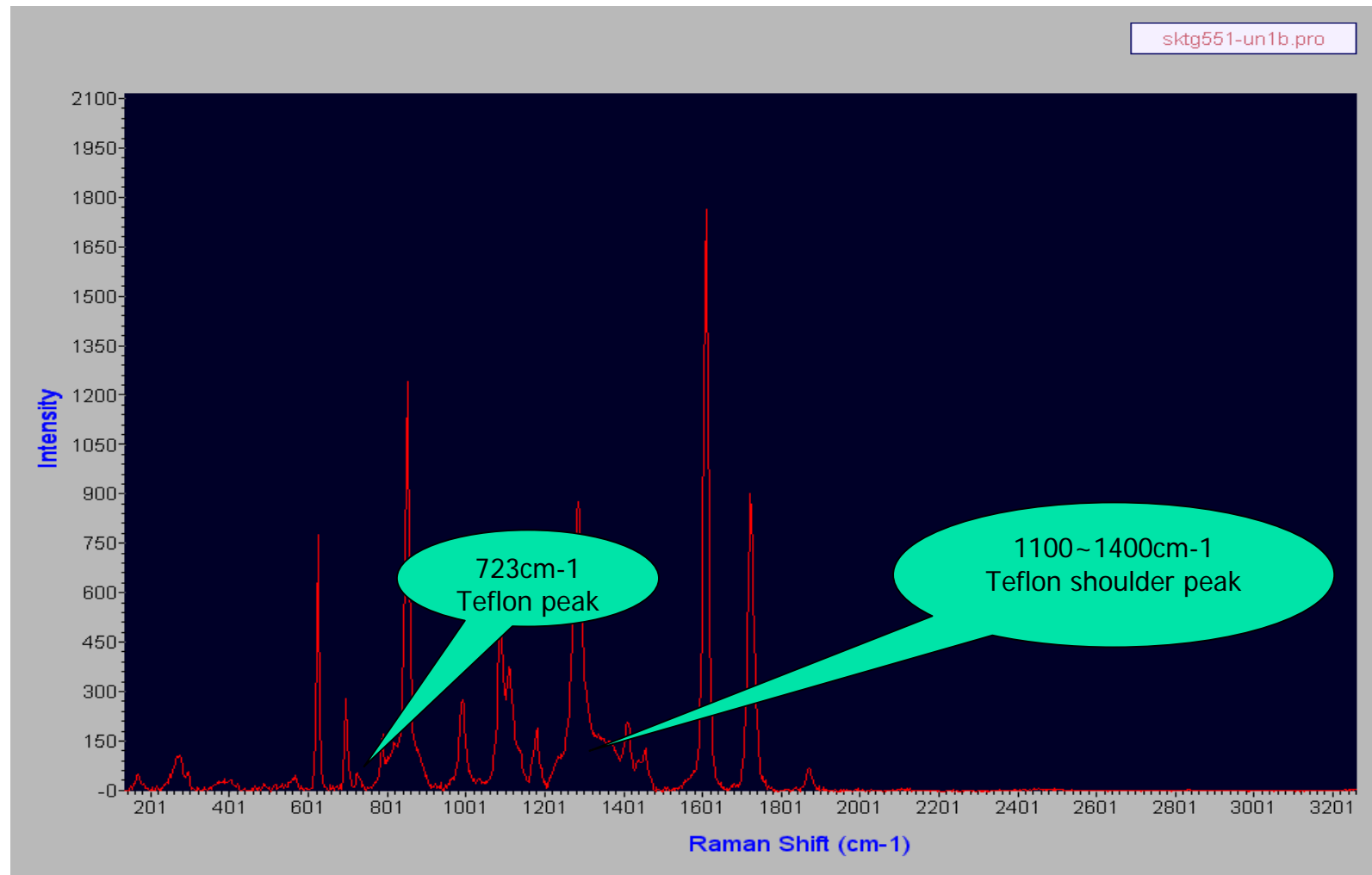


Thickness of Film : 50micron

The size of particle inside

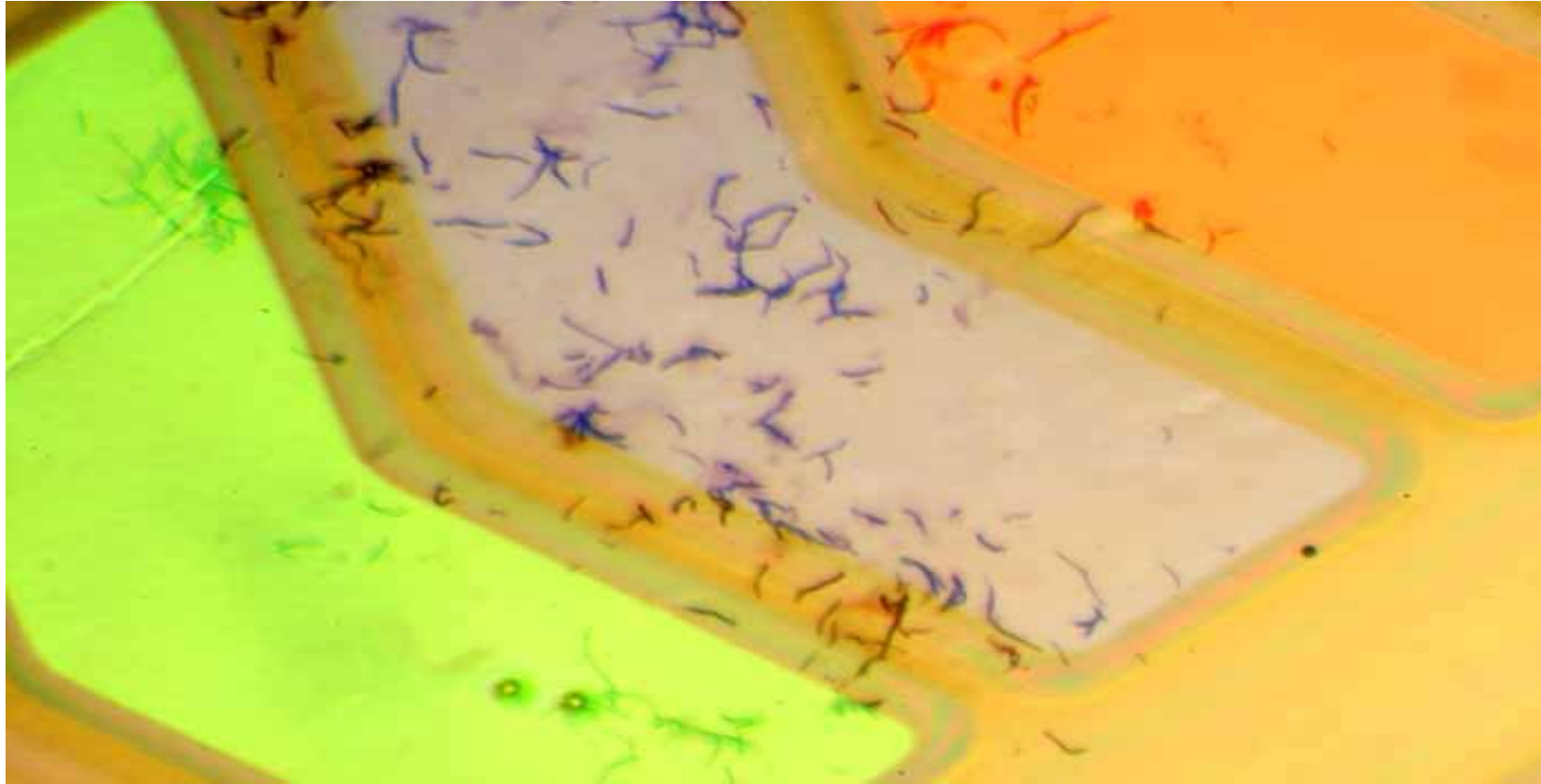
- . Thickness : 1-2 micron

- . Size : 5-10 micron



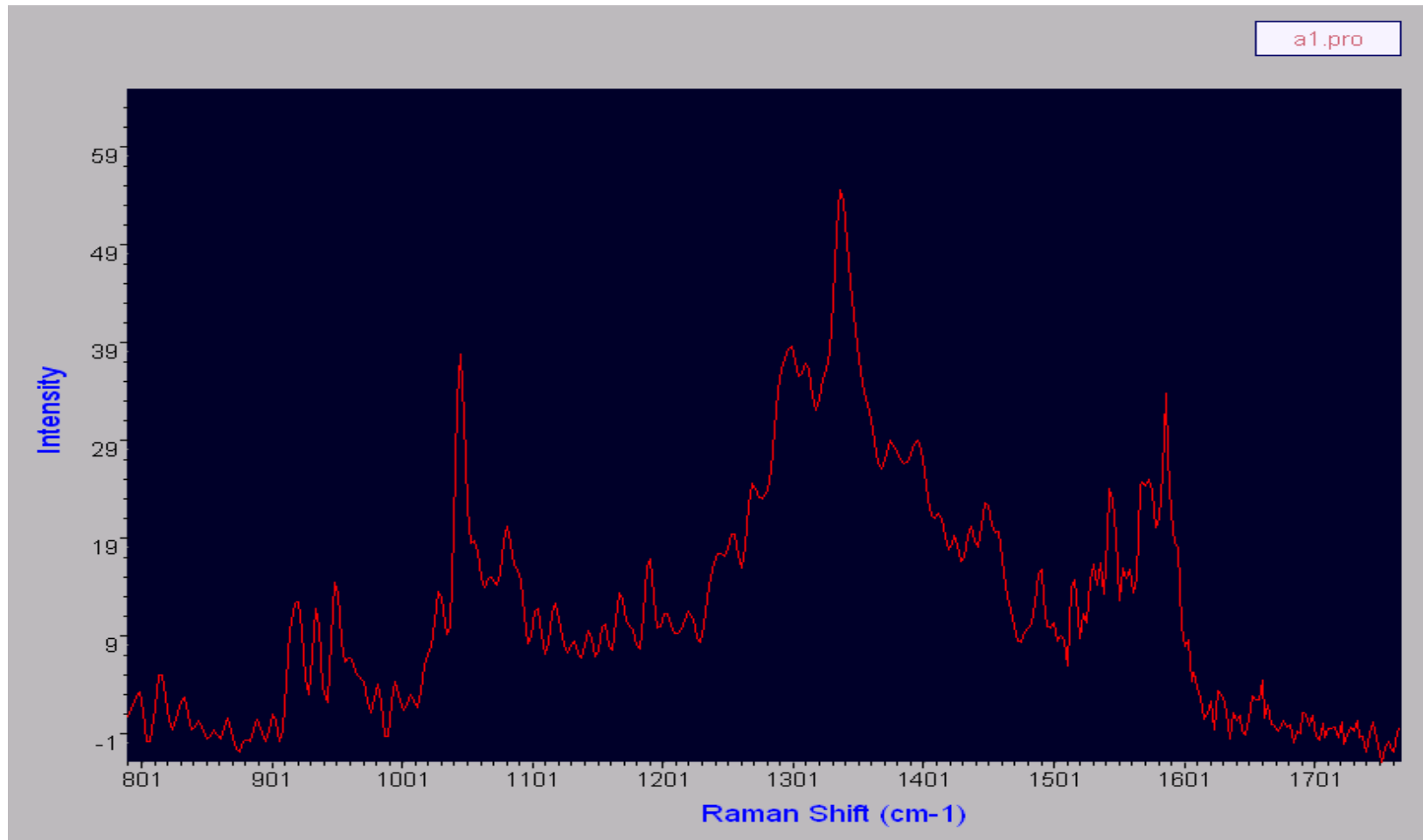
Raman spectra of particle only without sample preparation

Display Panel (LCD)



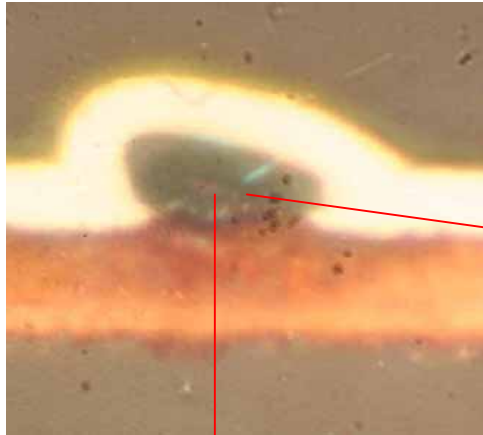
Particle on RGB color

Width of particle : 1 micron

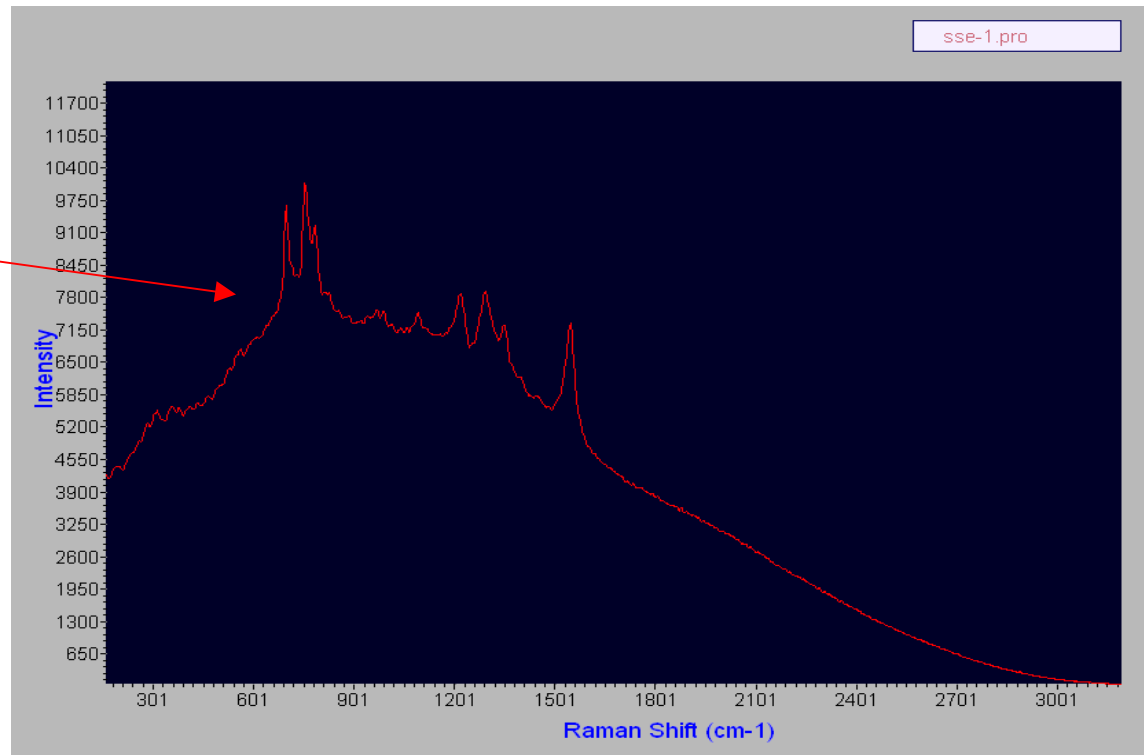


Affected by the cellulose particles produced by fungi

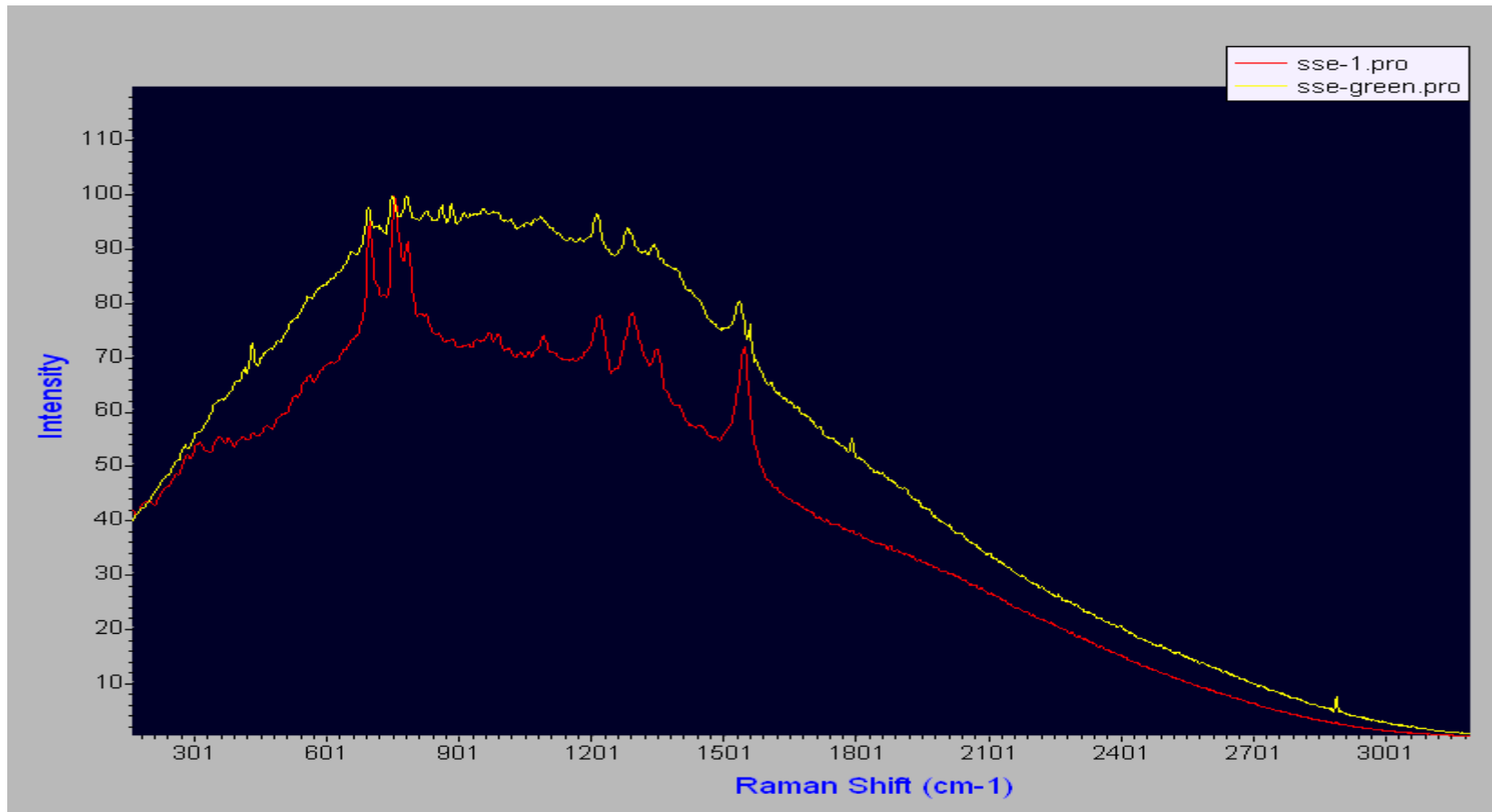
Particle on Printer Circuit Board



Particle size : 3 micron



Raman spectra

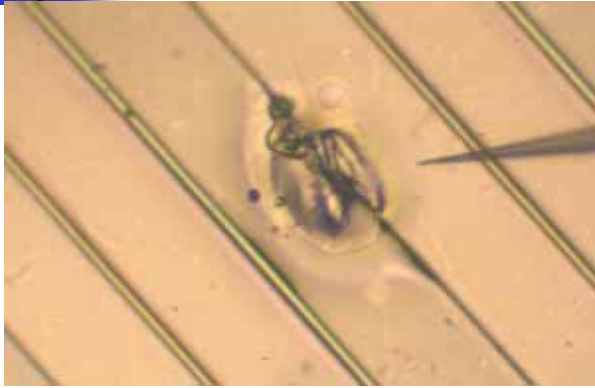


Yellow : Raman spectra of Green pigment

Red : Raman spectra of Particle

Particle comes from yellow pigment

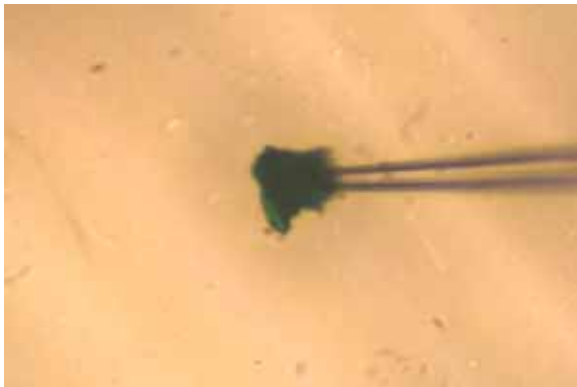
Experimental process of Micro-Manipulator



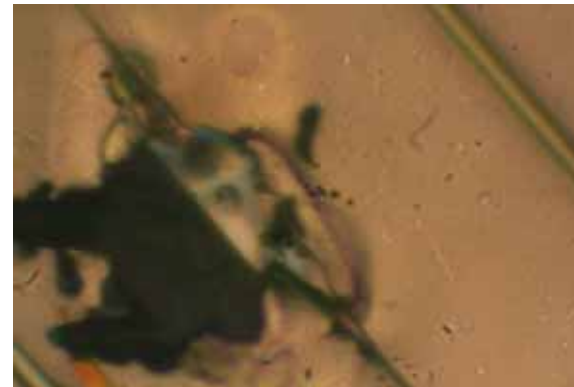
Ready to take off



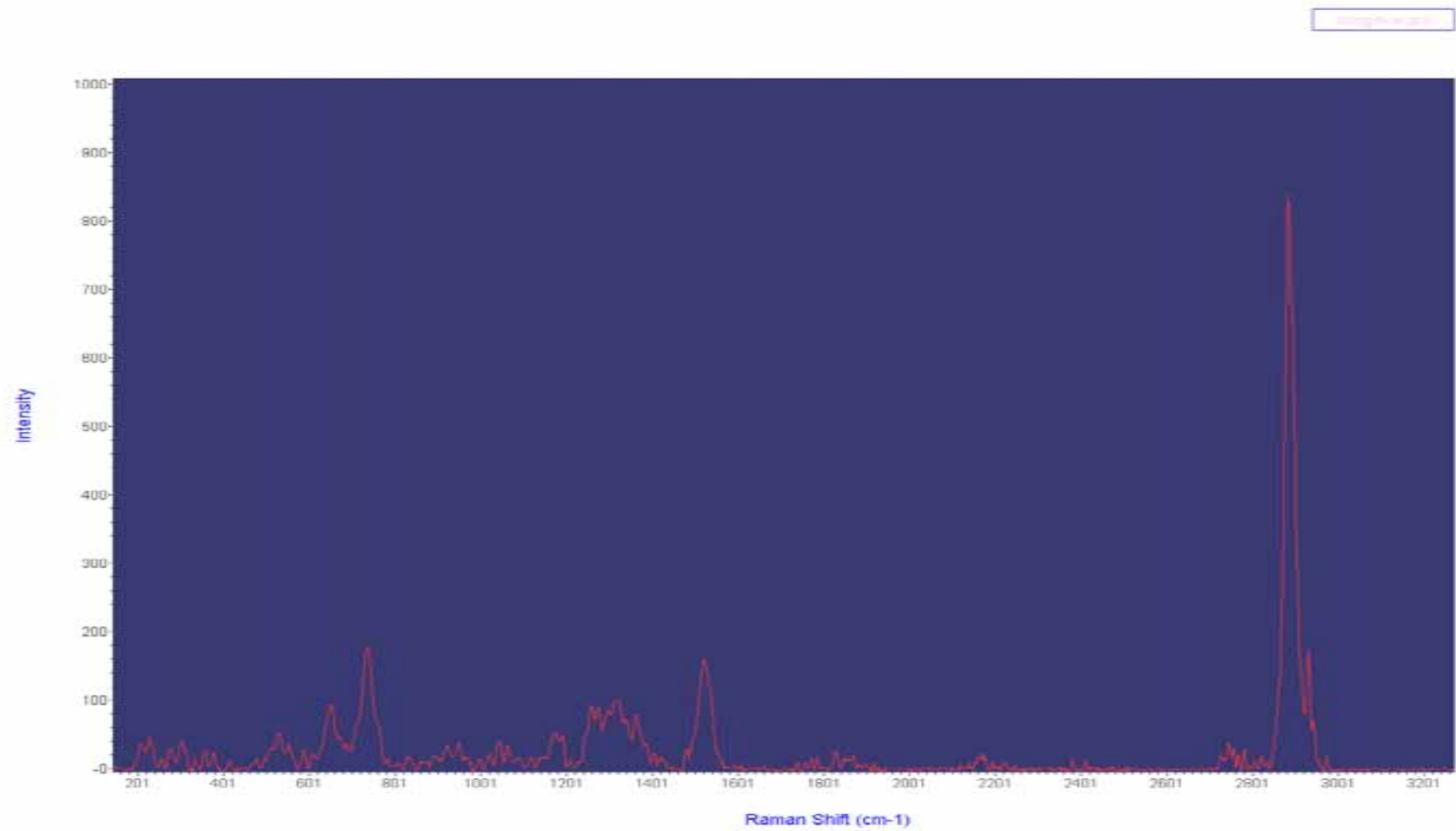
Taking off the part of particle with glass tip



Particle on glass tip and Analyzing it on glass tip



A trace of particle



Raman spectra of particle only on the glass tip