Figure a shows the X-ray diffraction patterns for FTO glass layers of different thicknesses: 4nm, 10nm, and 20nm. The peaks at 25.5° and 28.5° correspond to the (002) planes. The intensity decreases as the thickness increases.

Figure b illustrates the transmittance spectra for FTO glass layers of the same thicknesses. The transmittance increases with increasing wavelength, and the thickness increase from 4 to 20nm is indicated by the red line.