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**The excel file contains experimental data for the paper “2D Photonic Crystal Structures in Silicon Rich Nitride Platform”. In particular:**

**Figure 1b:** Measured transmission and the trend in transmission of a 400  $\mu\text{m}$  long W0.7 PhC waveguides in a hexagonal photonic crystal of air holes in a silicon rich nitride substrate for lattice period of  $a = 580 \text{ nm}$  and  $r = 0.3a$ .

**Figure 2b:** Measured RS intensity from a PhC cavity in a hexagonal photonic crystal of air holes in a silicon rich nitride substrate for lattice period of  $a = 570 \text{ nm}$  and  $r = 0.3a$ .