

Figure 1. Dimensions of channel in HMAD P1||.

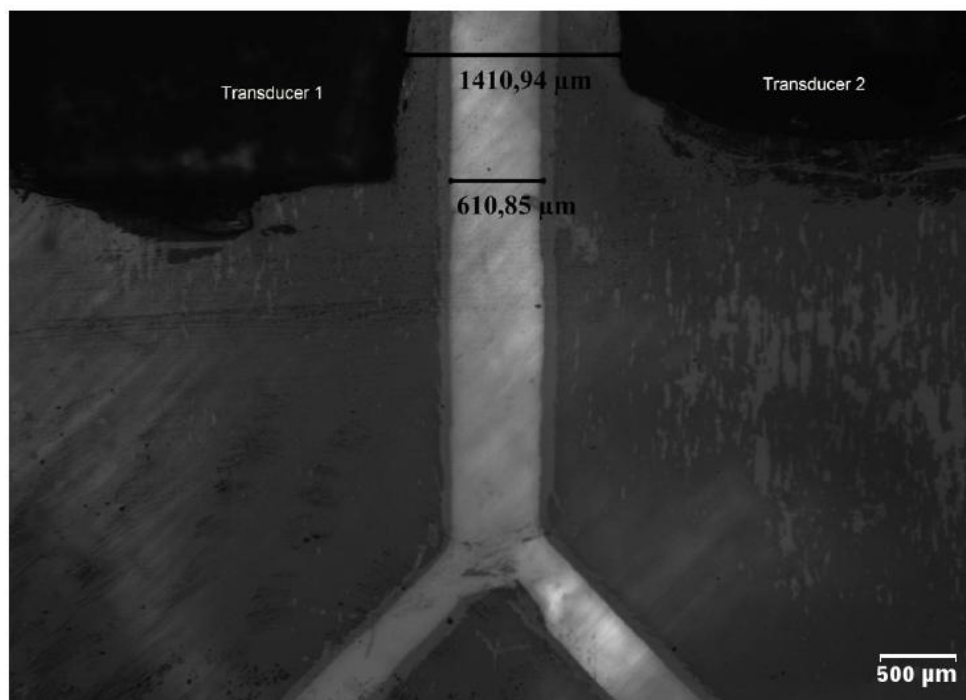


Figure 2. Dimensions of channel in HMAD P2||.

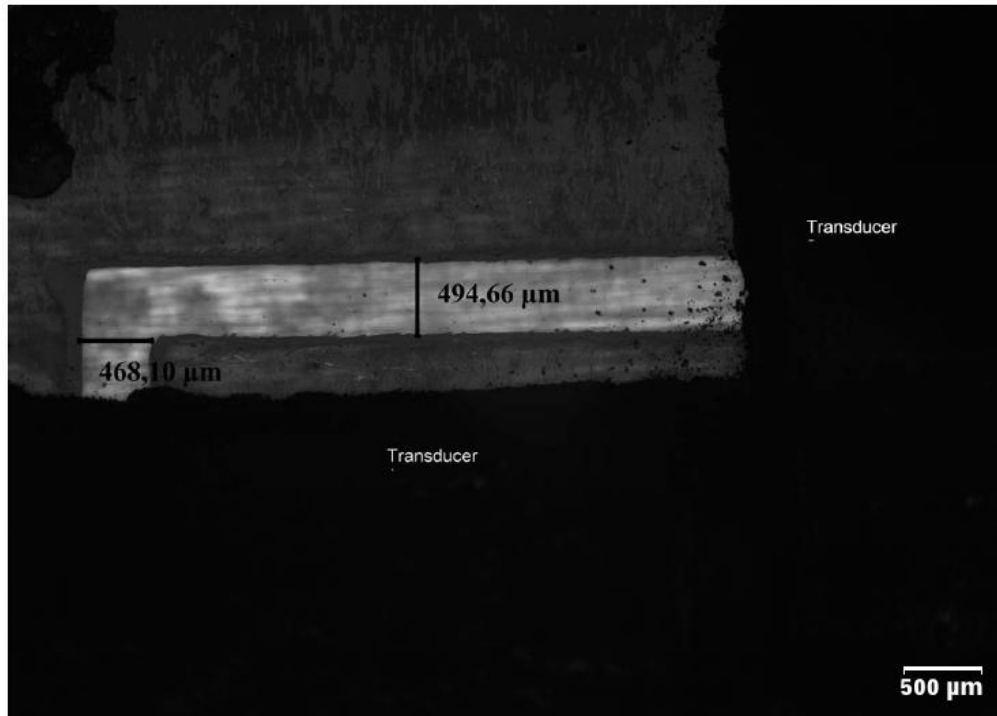


Figure 3. Dimensions of channel in HMAD P3 \perp .

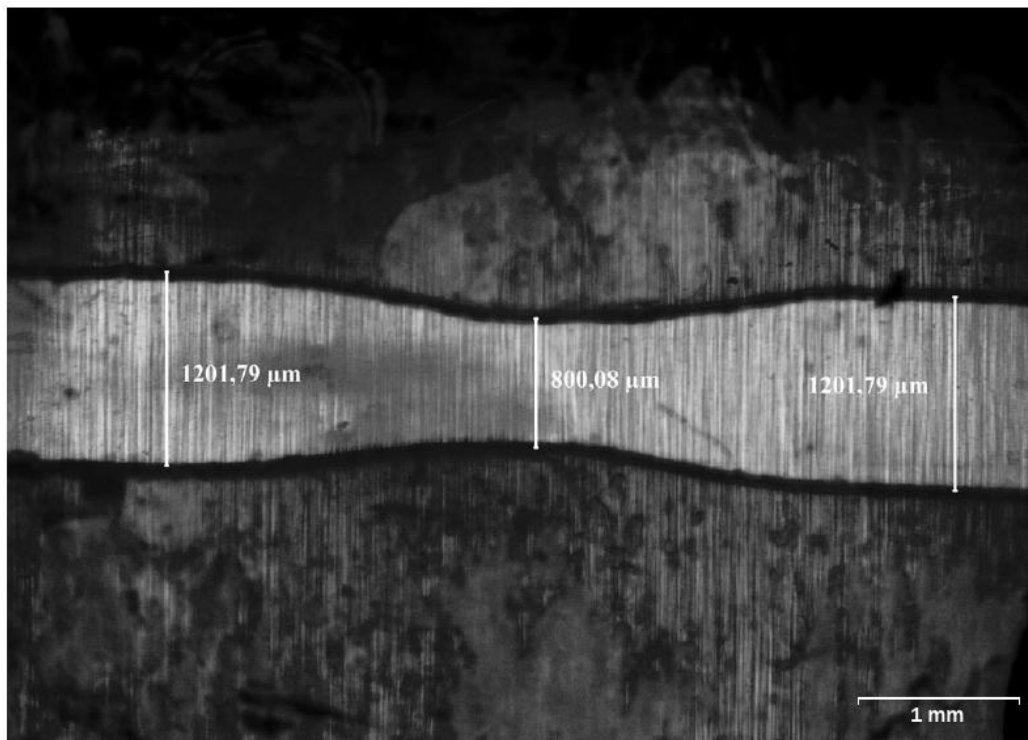


Figure 4. Dimensions of channel in HMAD P4 \parallel .

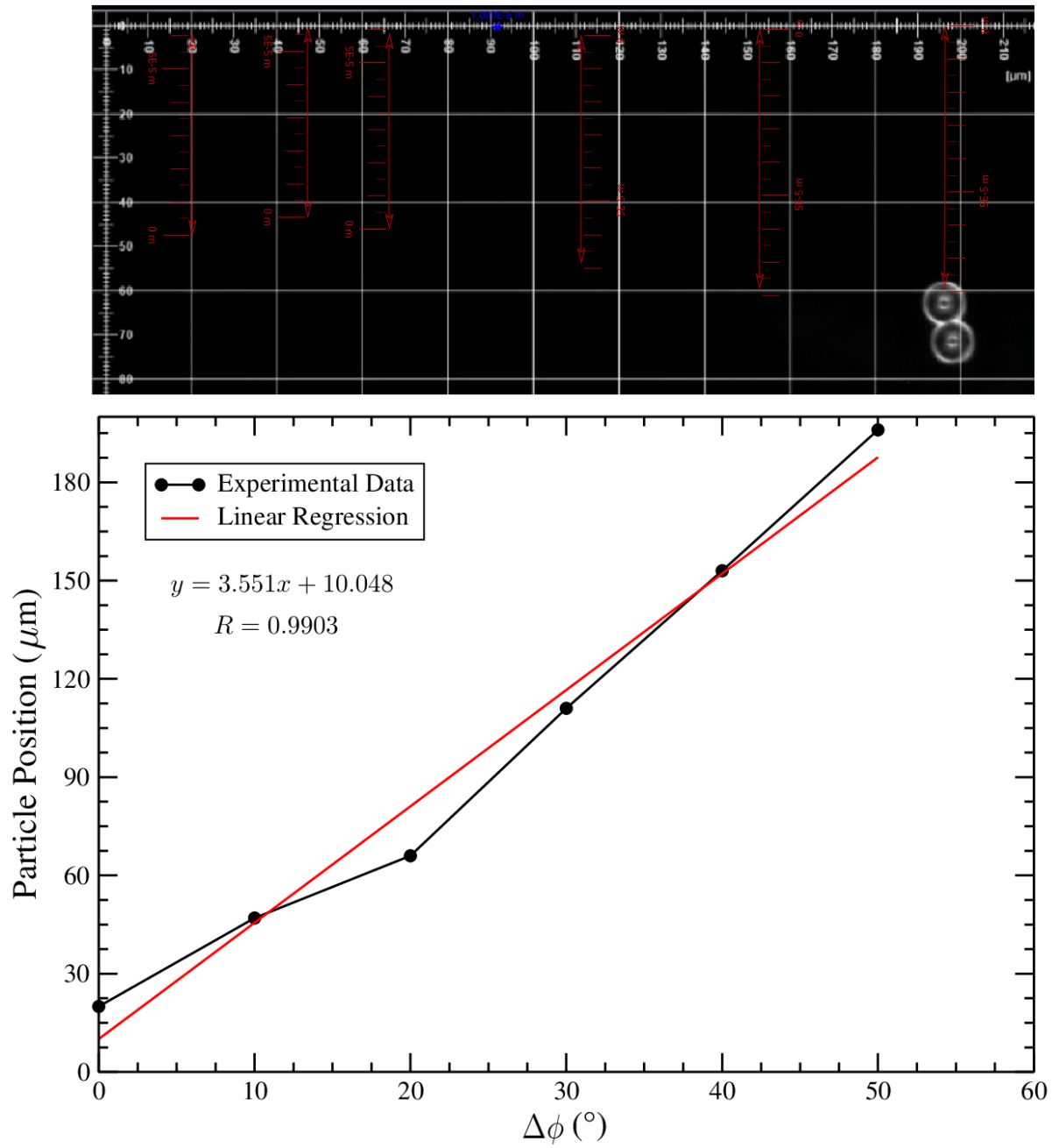


Figure 5. Aggregate particles position with respect to the phase difference in HMA D P1|| with piezoelectric ceramic actuators of 2MHz at frequency 1.873MHz. Experimental data obtained from video 8 with Tracker software versión 6.3.1.

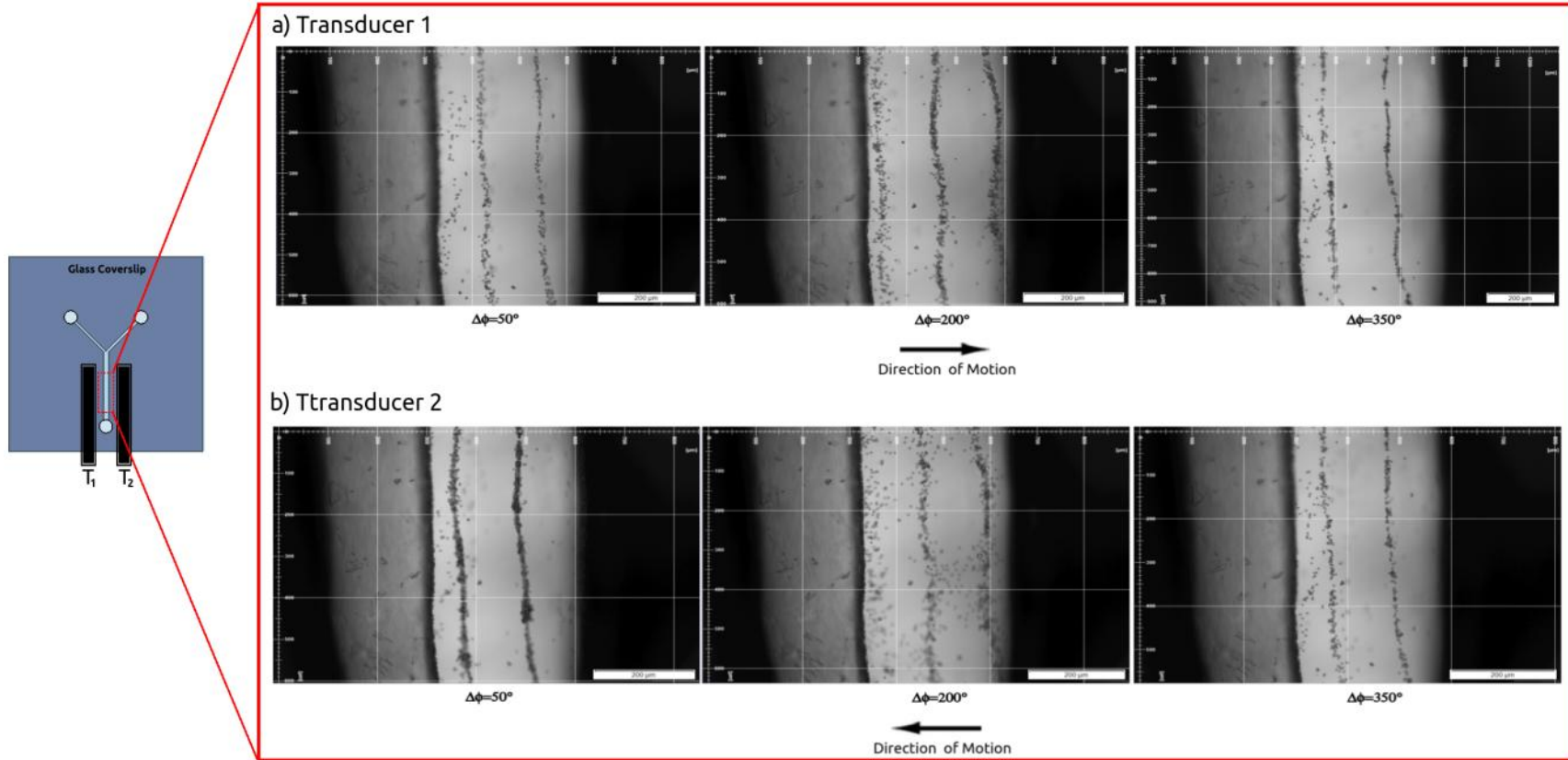


Figure 6. Position of the linear aggregates in the HMAD P2|| in the FPW-like mode when the phase in the acoustic wave generated by a) transducer 1 (T_1) or b) transducer 2 (T_2) is modified. The black arrows indicate the direction in which the aggregates of microparticles move. The resonance was obtained with two piezoelectric ceramic actuators of 5MHz at frequency 4.899 MHz.