## Thin Film Receiver Materials for Deterministic Assembly by Transfer Printing

Tae-il Kim<sup>\*,†</sup>, Mo Joon Kim<sup>#</sup>, Yei Hwan Jung<sup>§</sup>, Hyejin Jang<sup>†</sup>, Canan Dagdeviren<sup>‡</sup>, Hsuan An Pao<sup>‡</sup>, Sang June Cho<sup>§</sup>, Andrew Carlson<sup>‡</sup>, Ki Jun Yu<sup>II</sup>, Abid Ameen<sup>‡</sup>, Hyun-joong Chung<sup>®</sup>, Sung Hun Jin<sup>‡</sup>, Zhenqiang Ma<sup>§</sup>, and John A. Rogers<sup>\*,‡,II, §</sup>

<sup>&</sup>lt;sup>†</sup>Center for Neuroscience Imaging Research (CNIR), Institute of Basic Science (IBS); School of Chemical Engineering, Sungkyunkwan University (SKKU), Suwon 440-746, Korea

<sup>\*</sup>R&I Korea, Solvay Special Chemicals, Solvay Korea Co. LTD, Seoul 120-750, Korea

Department of Electrical and Computer Engineering, University of Wisconsin-Madison, Wisconsin 53706, USA;

<sup>&</sup>lt;sup>‡</sup>Department of Materials Science and Engineering, University of Illinois at Urbana-Champaign, Urbana, IL 61801, USA;

Department of Electrical Computer and Engineering, University of Illinois at Urbana-Champaign, Urbana, IL 61801, USA;

<sup>\*\*</sup>Department of Chemical and Materials Engineering, University of Alberta, Edmonton, AB T6G 2V4, Canada

Department of Electrical and Computer Engineering, University of Illinois at Urbana-Champaign, Urbana, IL 61801, USA

<sup>&</sup>lt;sup>\$</sup> Chemistry; Mechanical Science and Engineering; Beckman Institute for Advanced Science and Technology; Frederick Seitz Materials Research Laboratory, University of Illinois at Urbana-Champaign, Urbana, IL 61801, USA

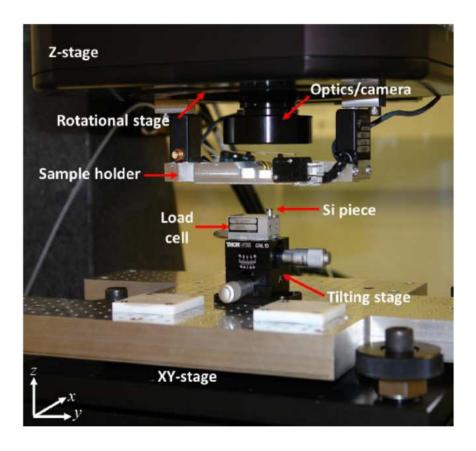


Figure SI1. Image for stage of adhesion force measurement.

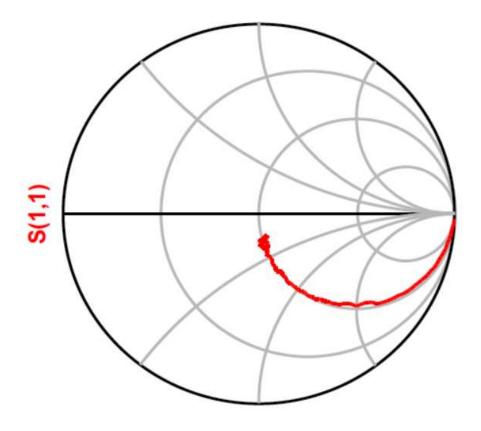


Figure SI2. Measured  $S_{11}$  result of the MIM capacitor on a Smith chart from 100 MHz to 20 GHz