Supplementary information

Continuously Frequency-Tuneable Plasmonic Structures for Terahertz Bio-sensing and Spectroscopy

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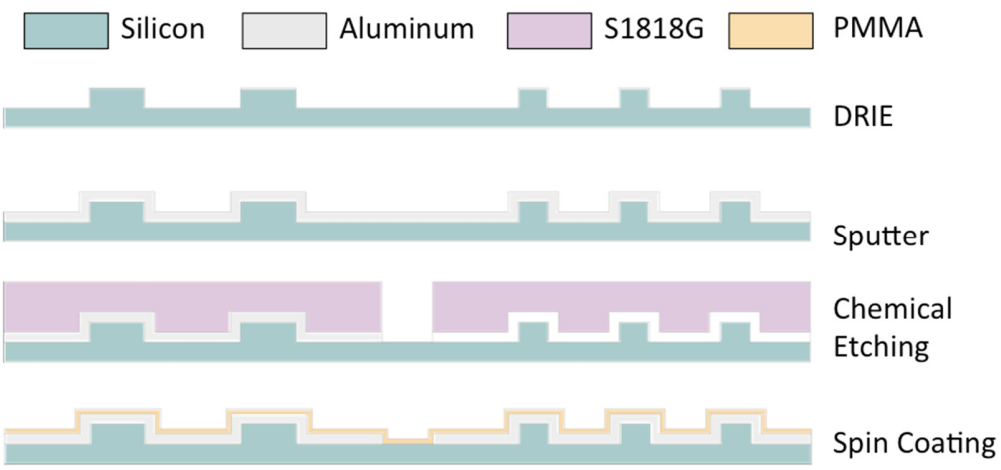

Figure S1 Fabrication process for the plasmonic structure with SBE grooves.

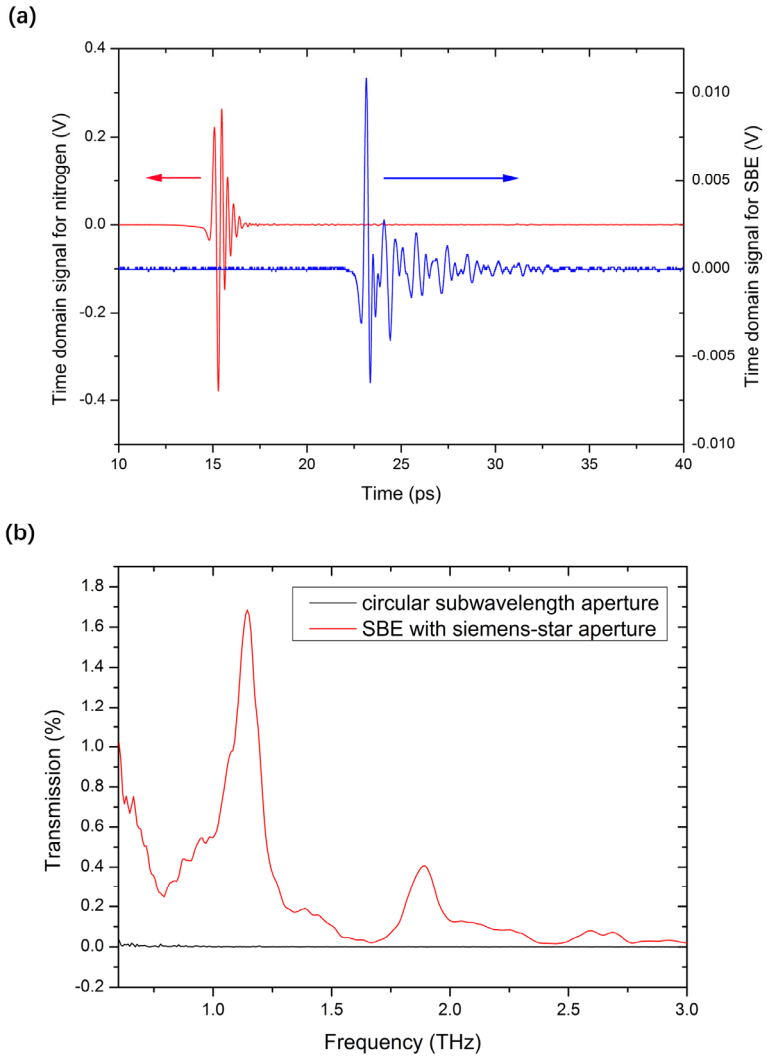

Figure S2 (a) Measured time-domain signals for the THz transmission through dry air (red) and the SBE structure (blue). (b) Comparison of the transmission spectra obtained for the SBE structure and Siemens-star aperture (red) and the reference substrate with only a circular subwavelength aperture without the plasmonic grooves (black). The AoP was set to 90°. The transmission spectra were obtained through Fourier transformation of the time-domain signals in (a).