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Supplementary Materials: Design Principles for Electrically Driven Luttinger Liquid-fed Plasmonic Nanoantennas

1 Additional data for other antenna structures

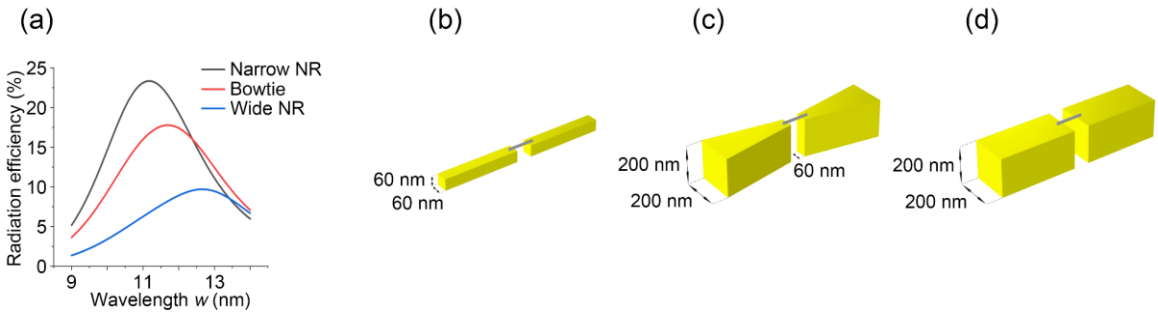

Figure S1. Comparison of three different antennas. (a) Radiation efficiencies of (b) a narrow rod, (c) a bowtie, and (d) a wide rod antenna. Antenna widths are described in (b)-(d).

2 Contributing factors of the radiation efficiency

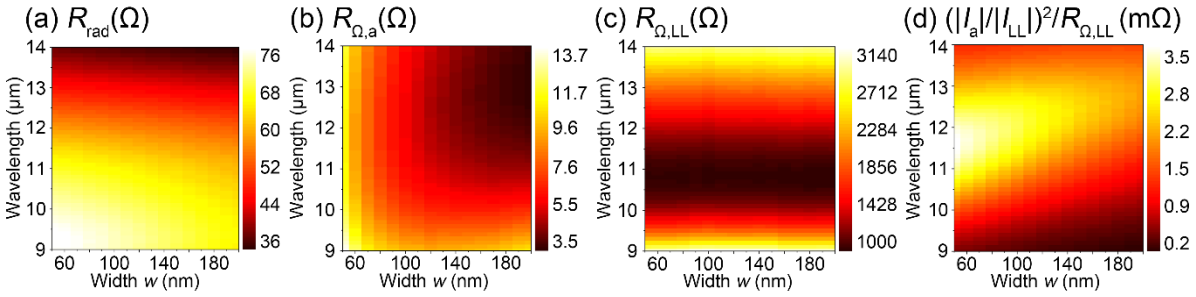

Figure S2. Components of the radiation efficiency $\eta_{rad}(\lambda_0)$; (a) Radiation resistance of the whole system, (b) Ohmic resistance of the antenna, and (c) Ohmic resistance of the Luttinger liquid feed in terms of the antenna width *w*.

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