

Supplemental material for: Inverse spin-Hall effect voltage generation by nonlinear spin-wave excitation

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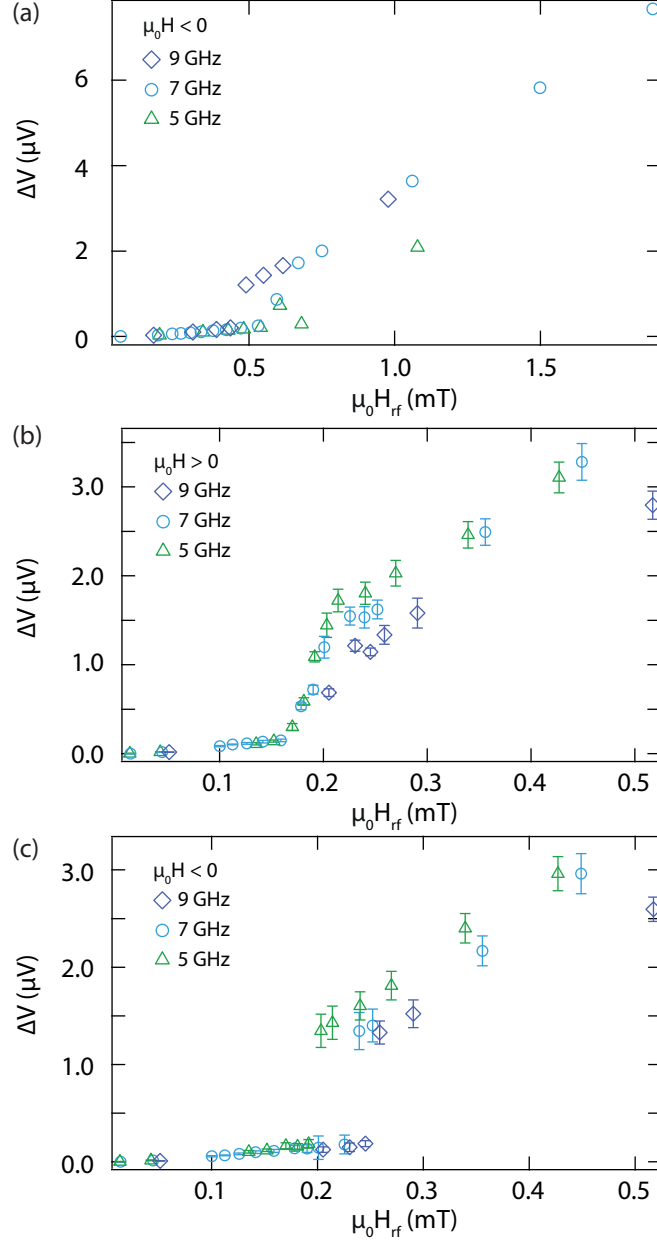


FIG. S1: (Color online) (a) ISHE voltage peak amplitudes ΔV versus high-frequency field amplitude H_{rf} for the negative field branch and different excitation frequencies. (b) and (c) show the same for positive and negative field branch for a sample with a $3 \mu\text{m}$ wide, $8 \mu\text{m}$ long and 30 nm thick permalloy rectangle.

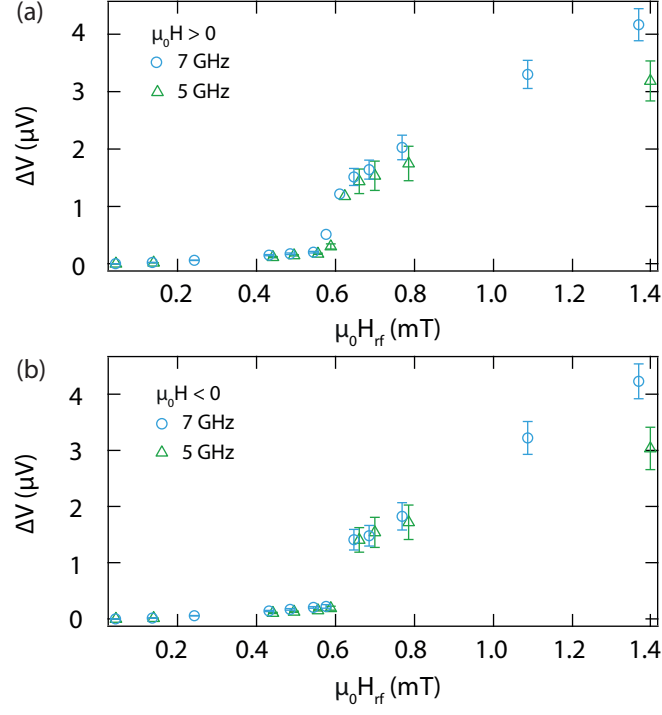


FIG. S2: (Color online) ISHE voltage peak amplitudes ΔV versus high-frequency field amplitude H_{rf} for positive (a) and negative (b) field branch and different excitation frequencies for a sample with non-perpendicularly oriented edges.