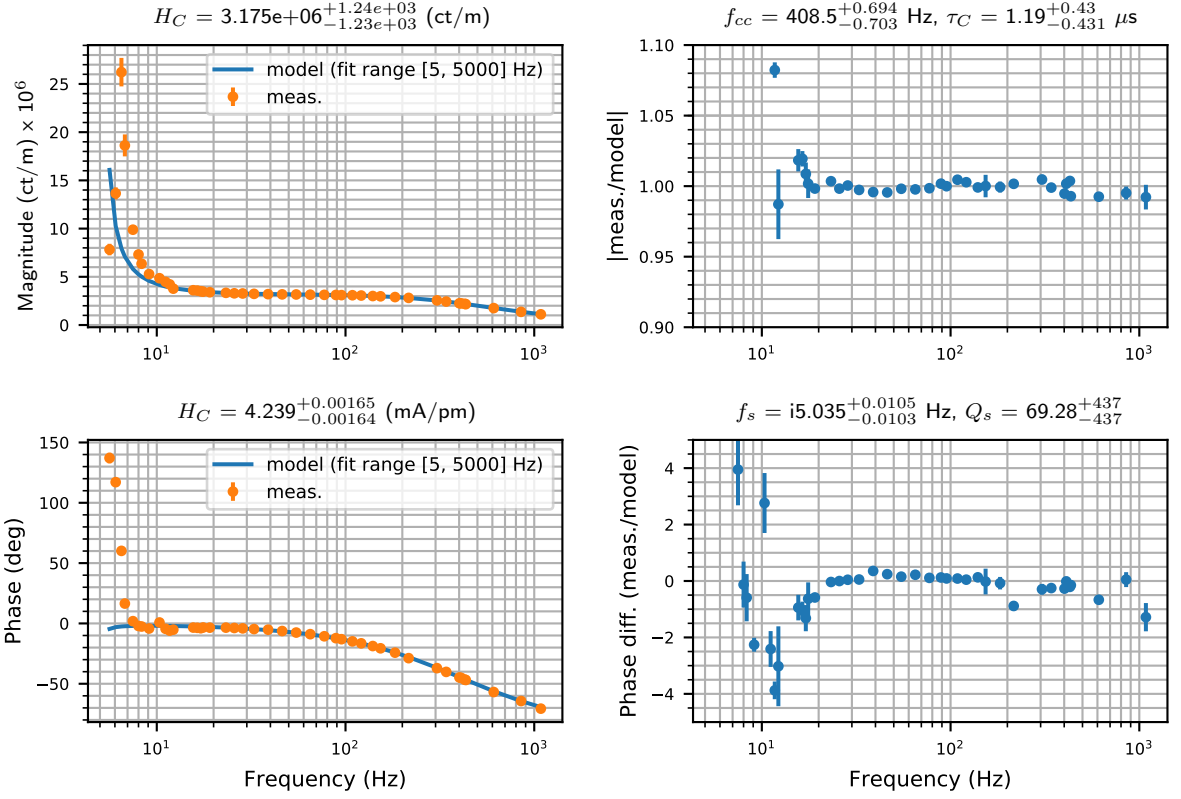H1 sensing function measurement: 2019-07-03