



Table S1: Experimental data on the samples under investigation: magnetization curves, cross-magnetic moment dependences, GMI curves and the permeability radial dependence.

Sample	Magnetization curve	Cross-magnetic moment	GMI curves for $f = 0.5, 5$ и 10 MHz	Radial permeability distribution
$d_m = 6.4 \mu\text{m}$				Cannot be calculated
$d_m = 8 \mu\text{m}$				
$d_m = 8.5 \mu\text{m}$				



