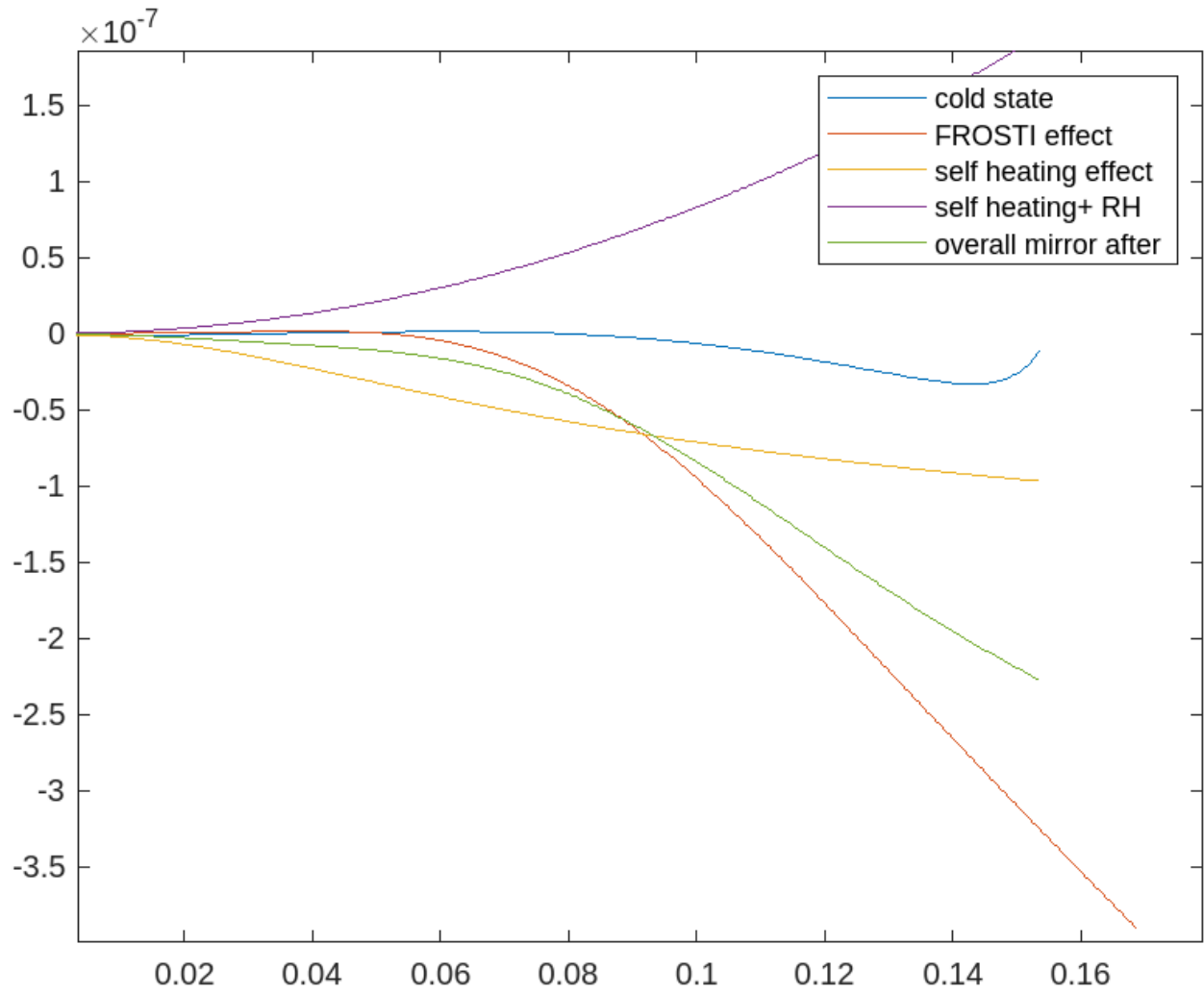
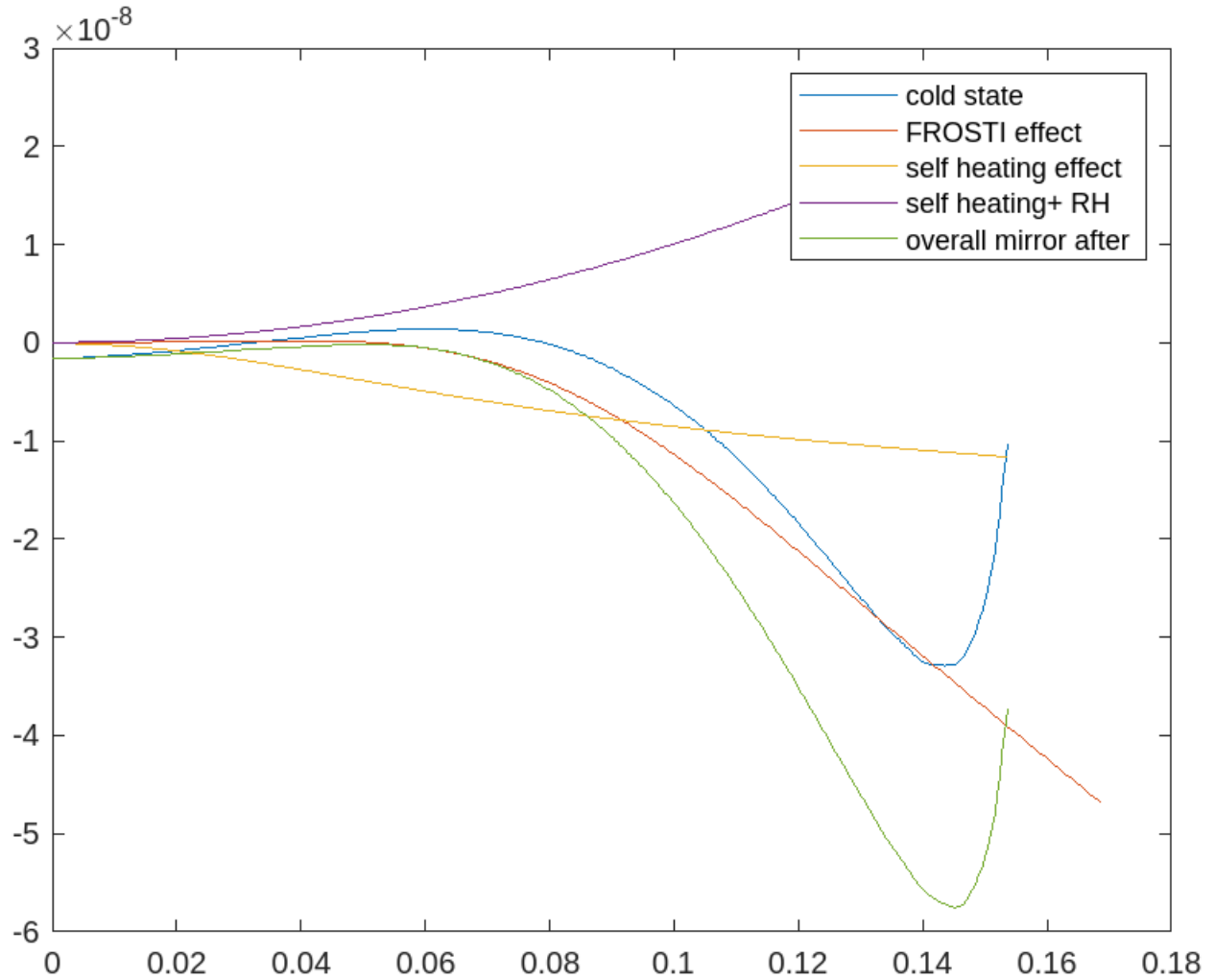
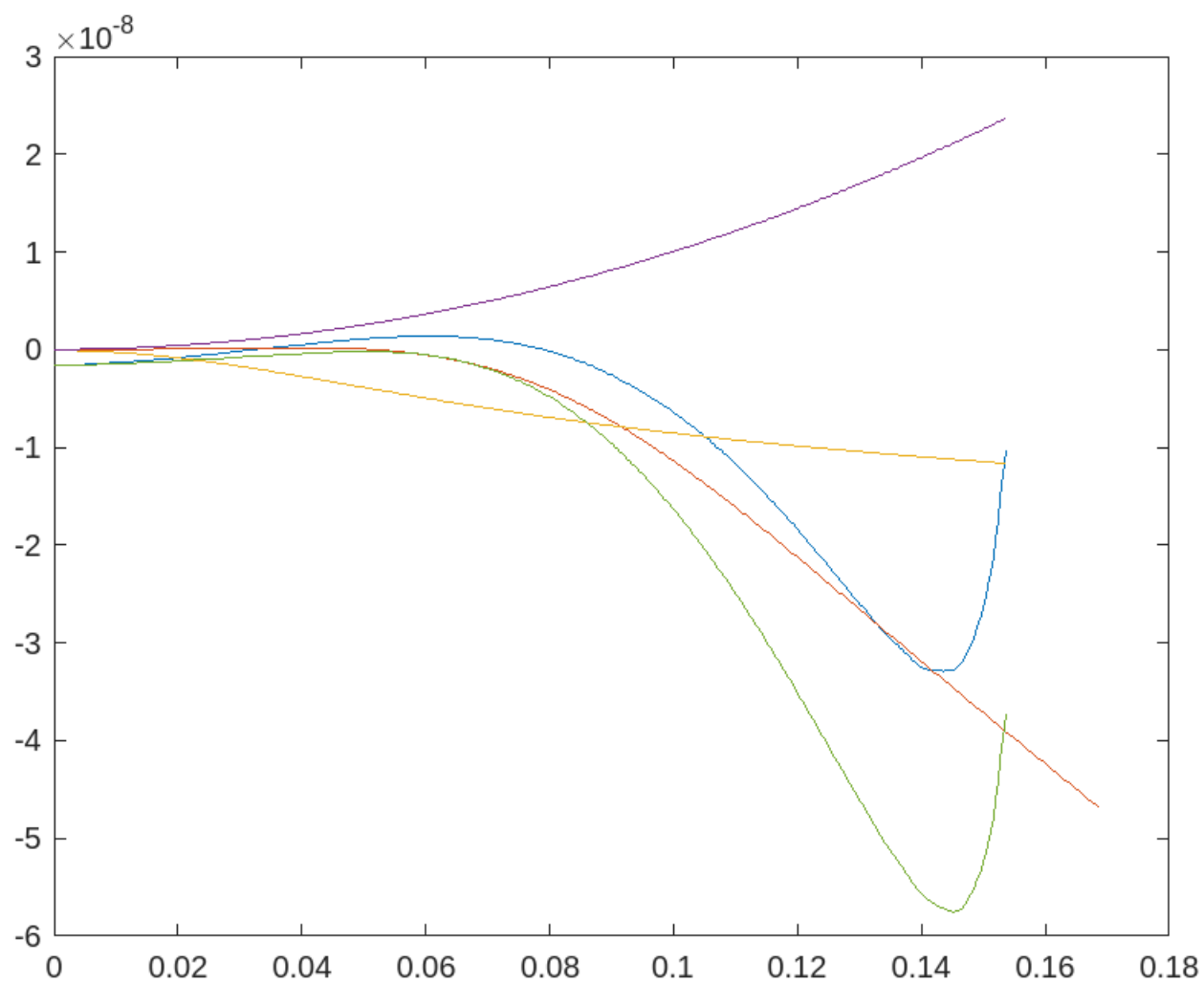


Optimal FROSTI and other thermal effects with ETM 12



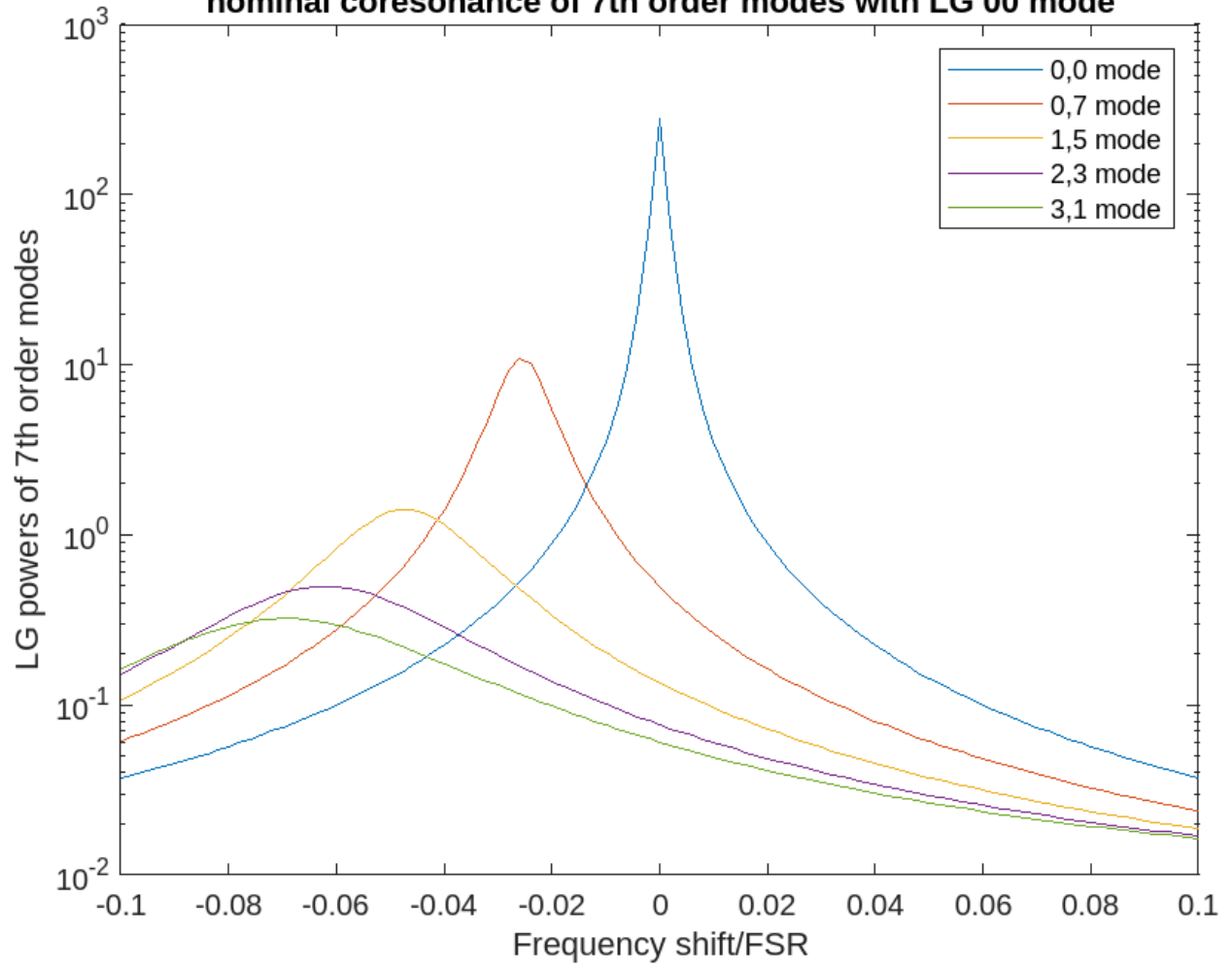
FROSTI and other thermals effects on ETM12 with 0.12 watts of absorption (400kW of power and 0.3 ppm absorption. Note that in this case the residual is graphed such that the cold state mirror is added, because the cold state mirror roll off is no longer negligible compare to other effects due to lower absorption)



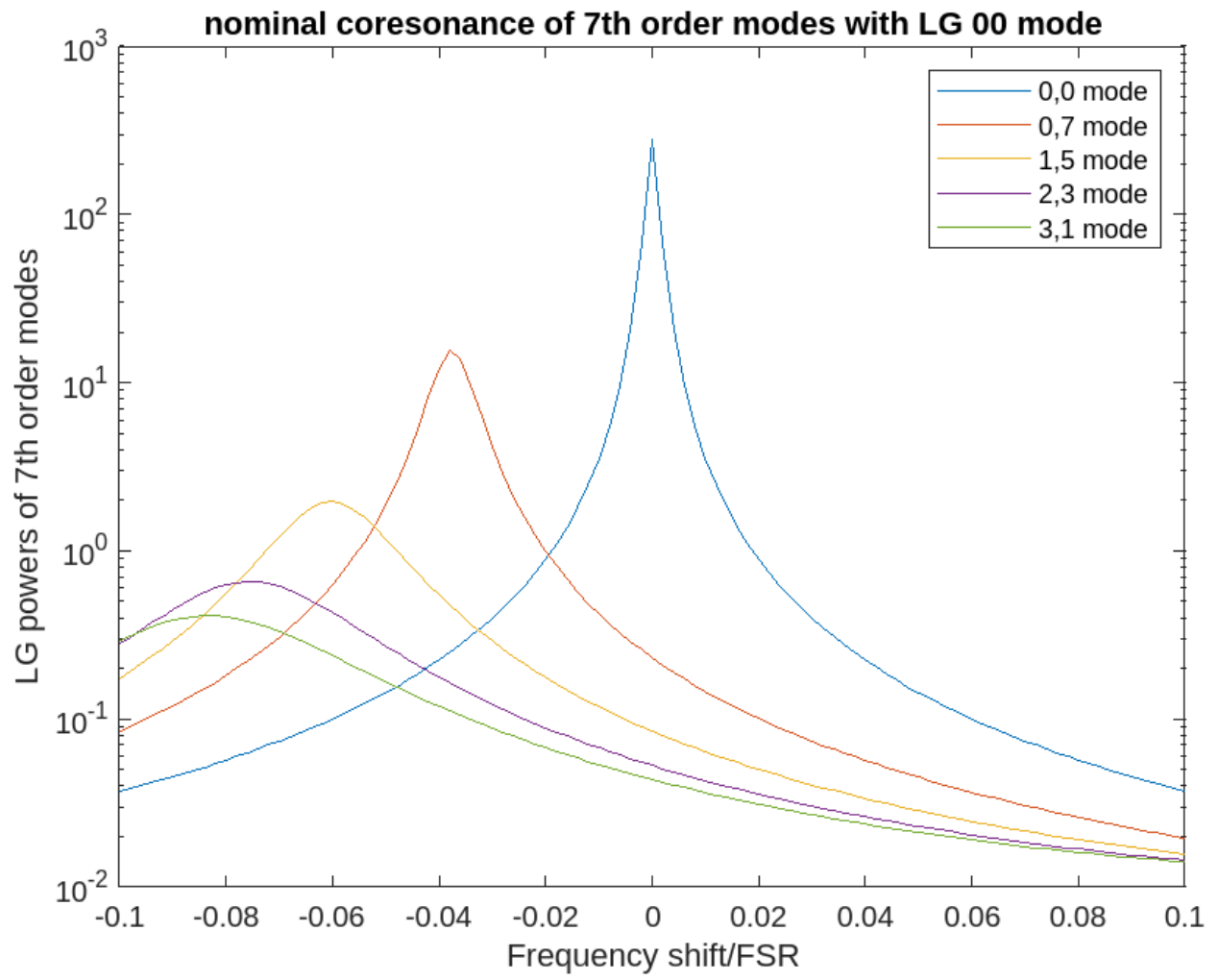


400kW arm power 0.3 ppm absorption ETM 12 without FROSTI

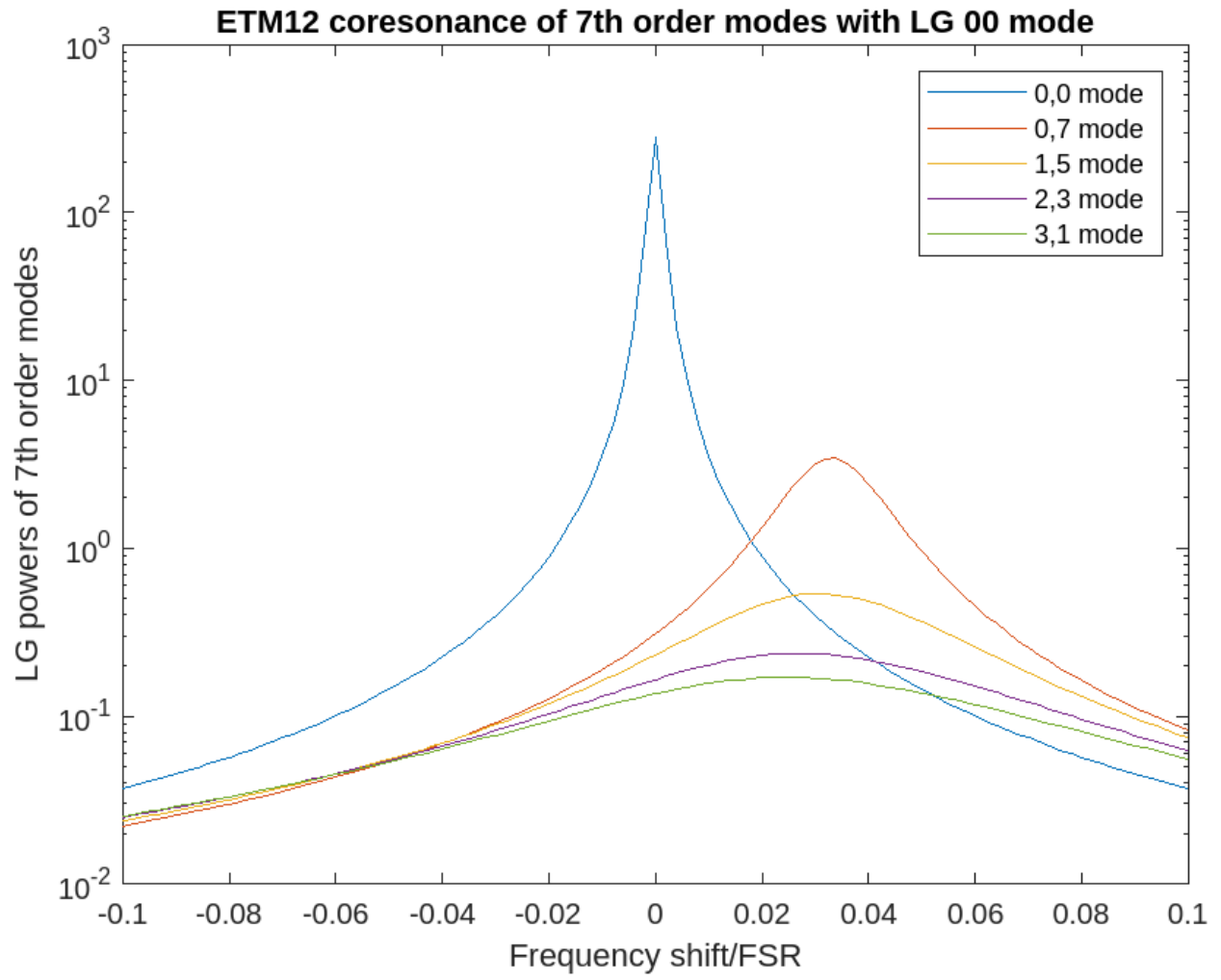
nominal coresonance of 7th order modes with LG 00 mode



FROSTI on both ITM and ETM

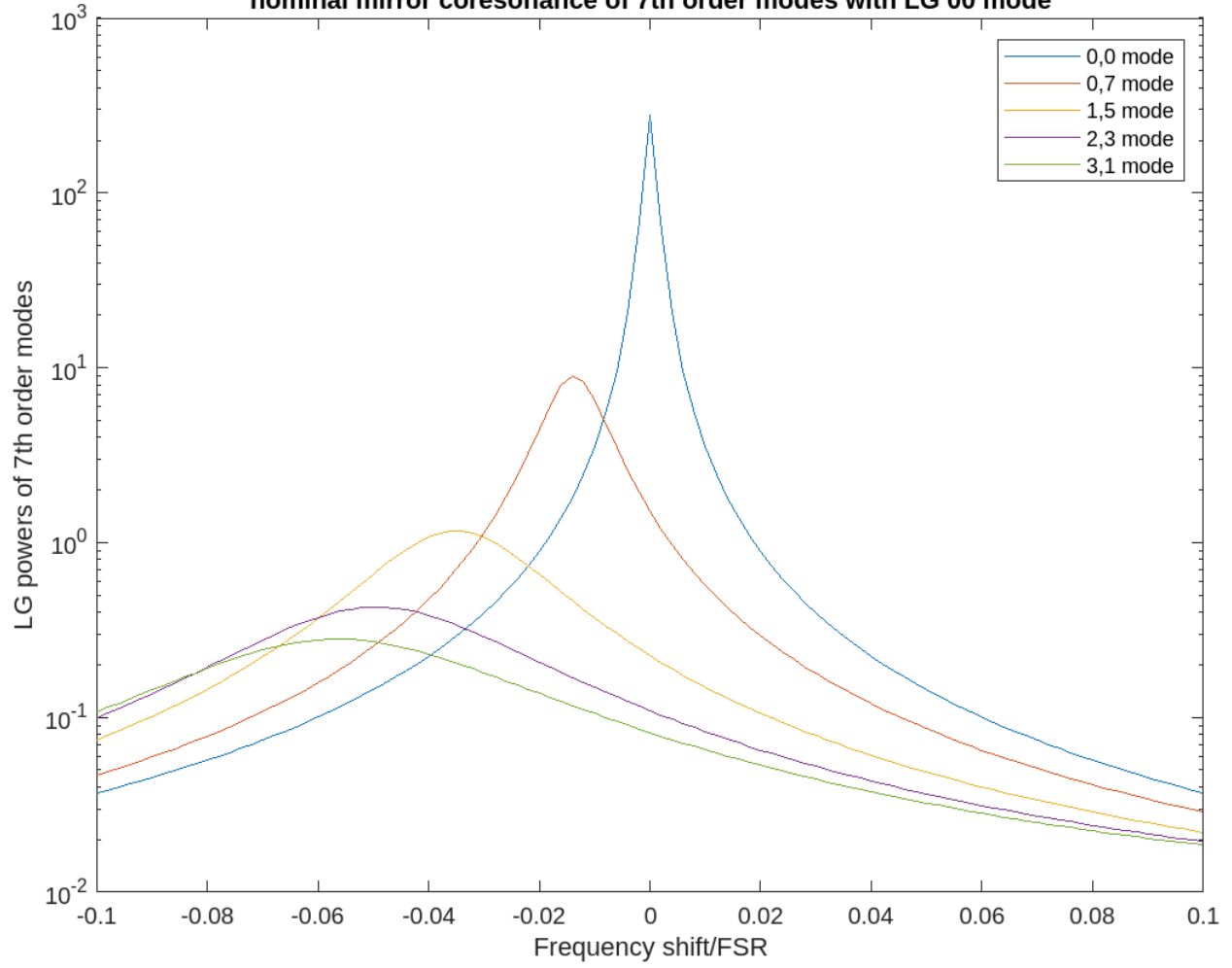


400kW arm power 0.5 ppm absorption ETM 12 without FROSTI

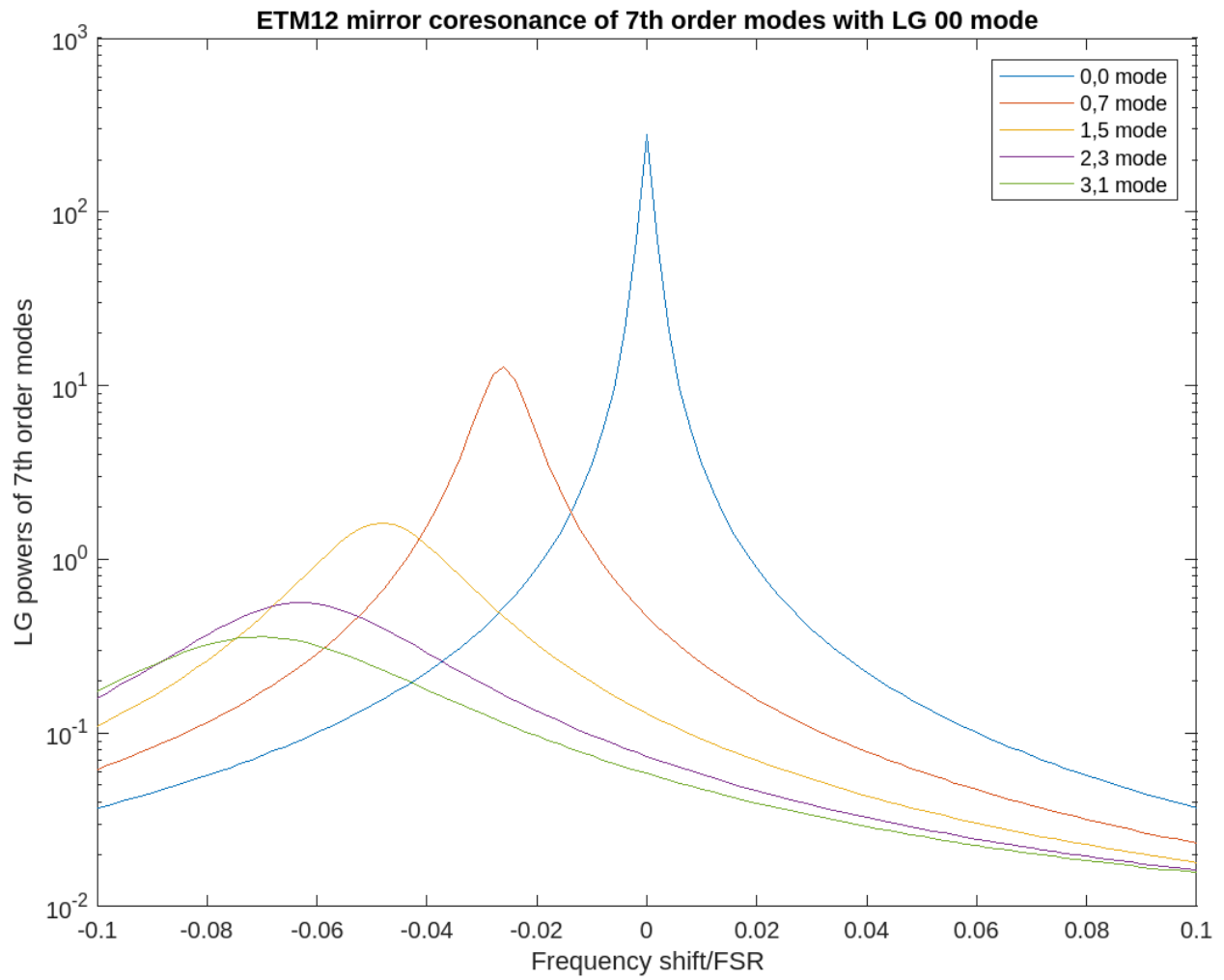


400kW arm power 0.5 ppm absorption ETM 12 with FROSTI

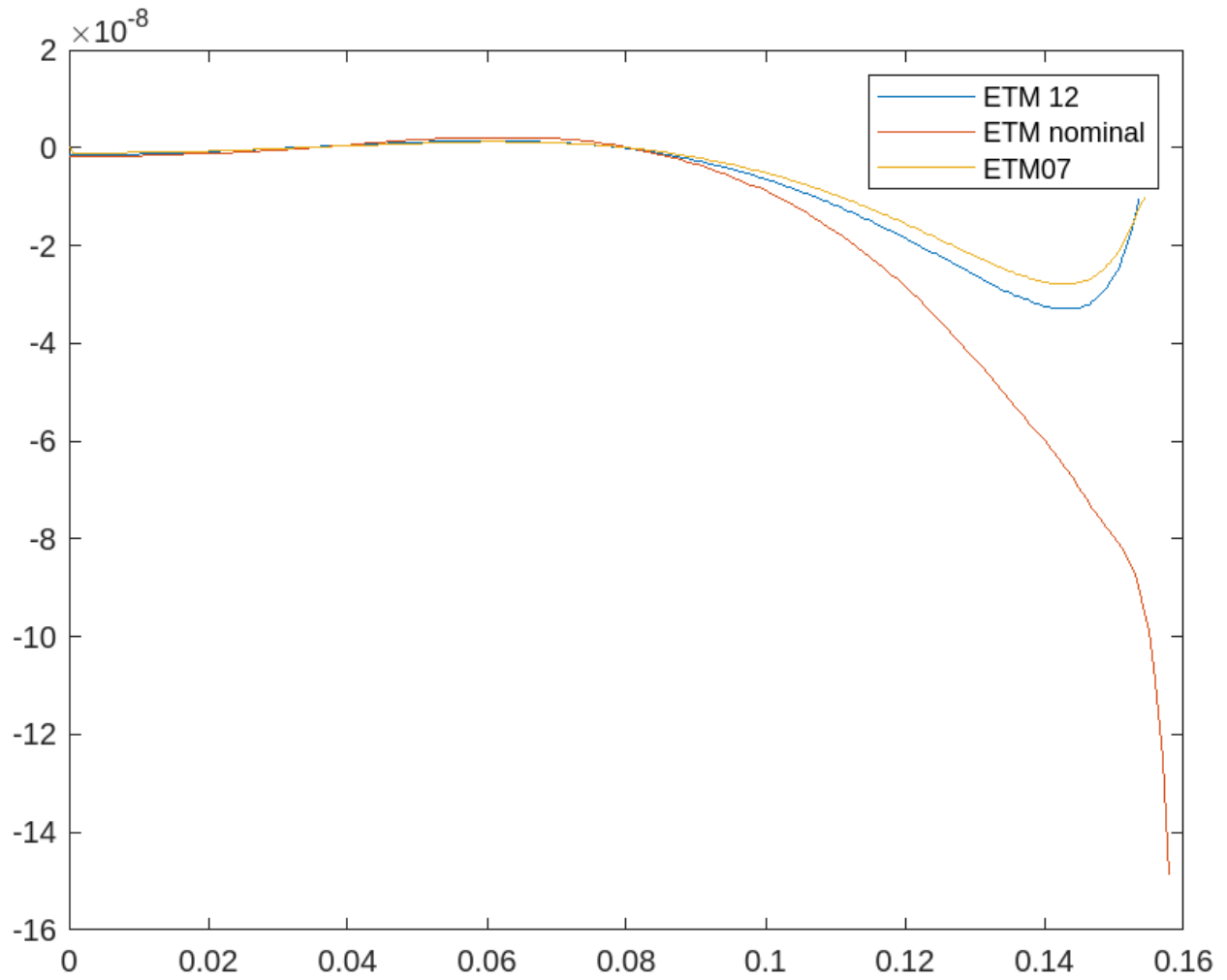
nominal mirror coresonance of 7th order modes with LG 00 mode



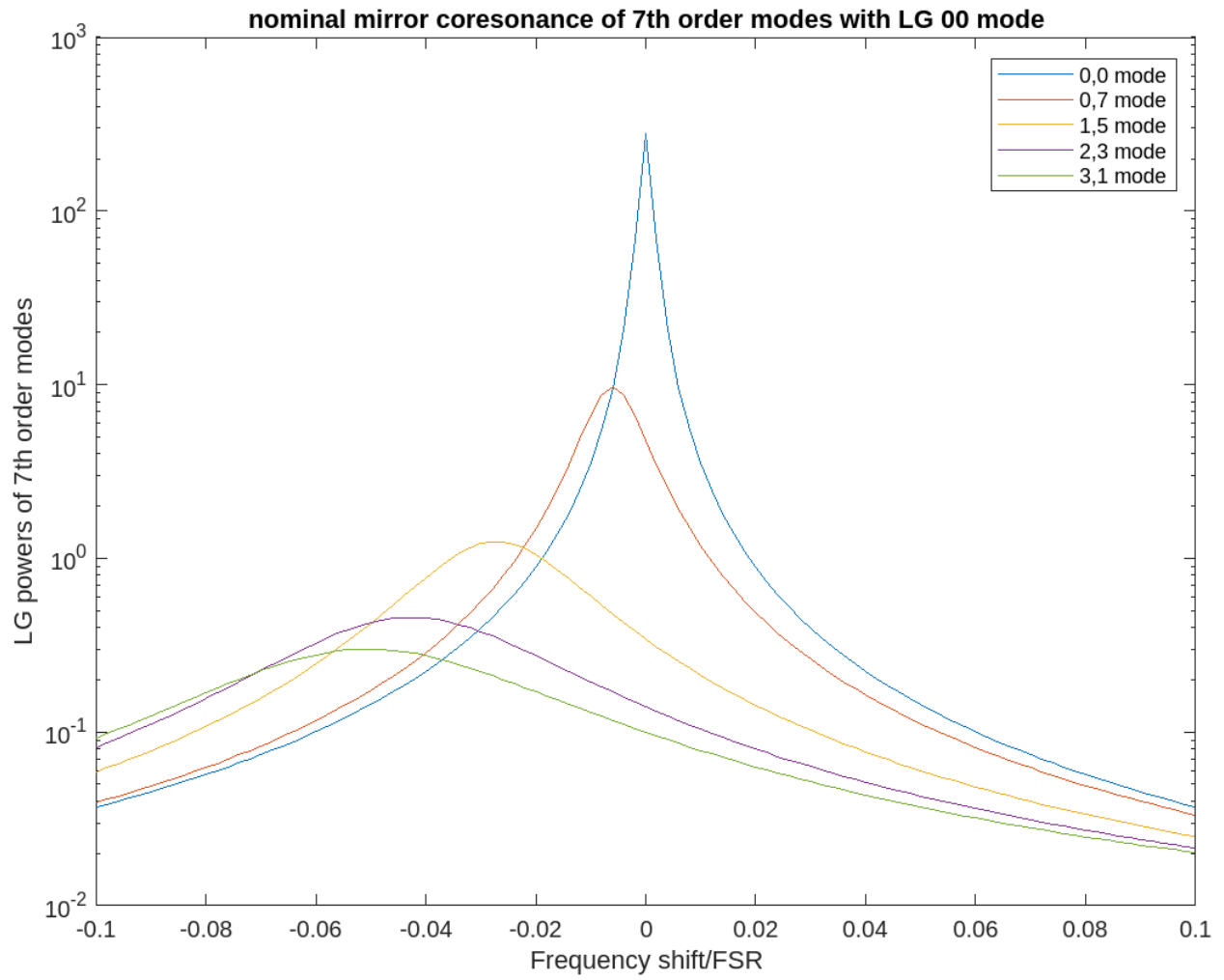
FROSTI on both mirrors



Also tried to plot with ITM/ETM nominal mirrors since their cavity scan results look different from using both ETM mirrors. The nominal mirrors have a much larger roll-off



Nominal mirrors without FROSTI (arm power 400kW absorption 0.3ppm)



Nominal mirrors with FROSTI

