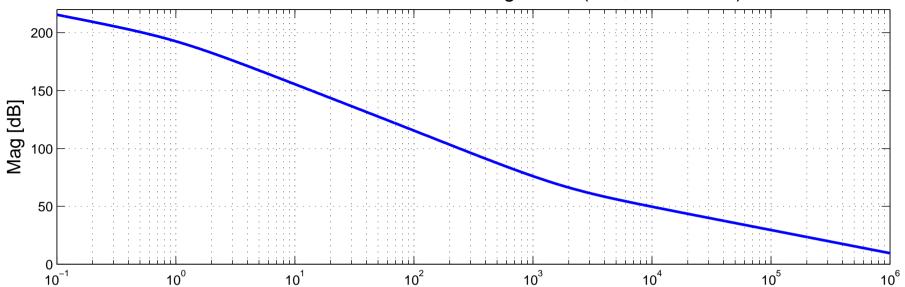
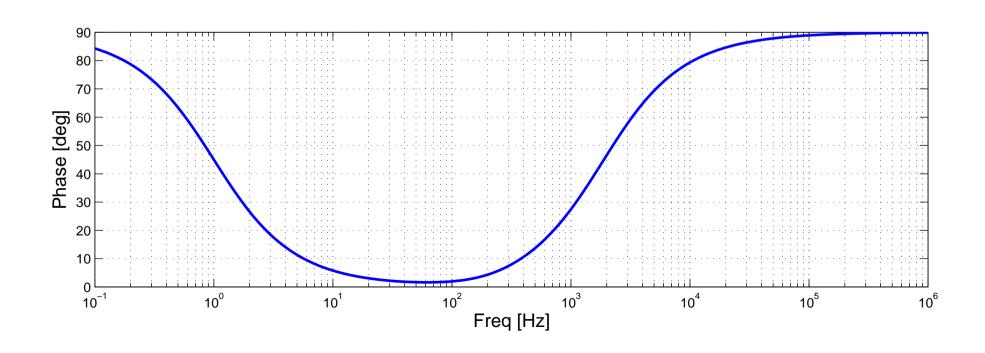
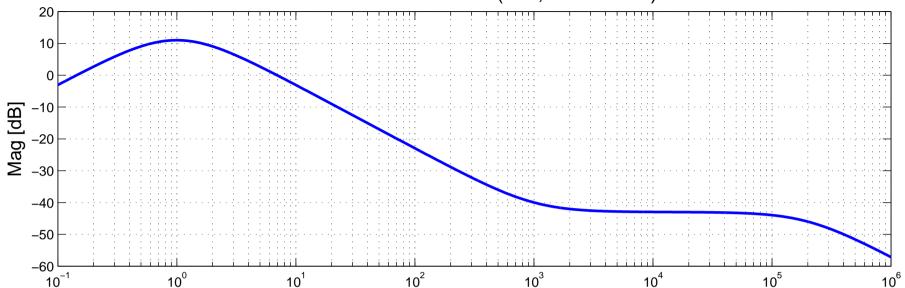


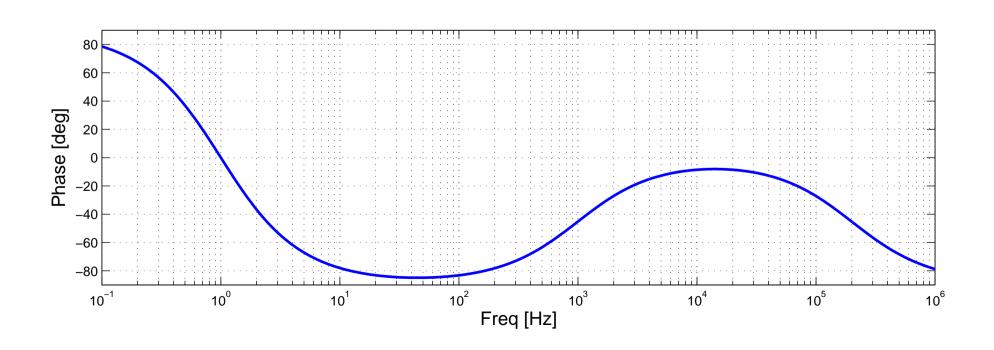
#### Local laser -to- TTFSS error signal TF (in 8, out 3/out 5)



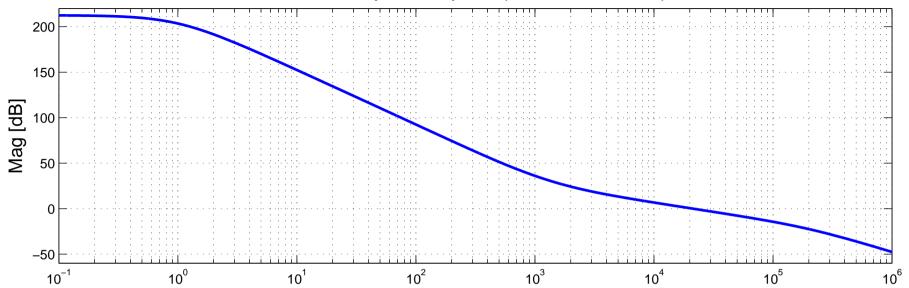


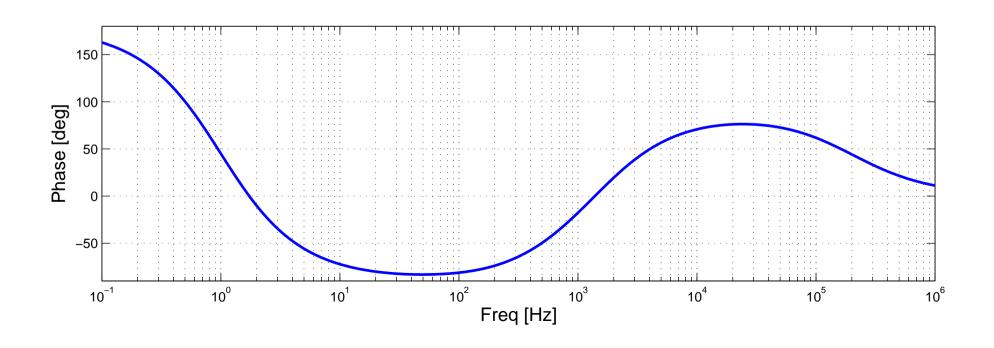




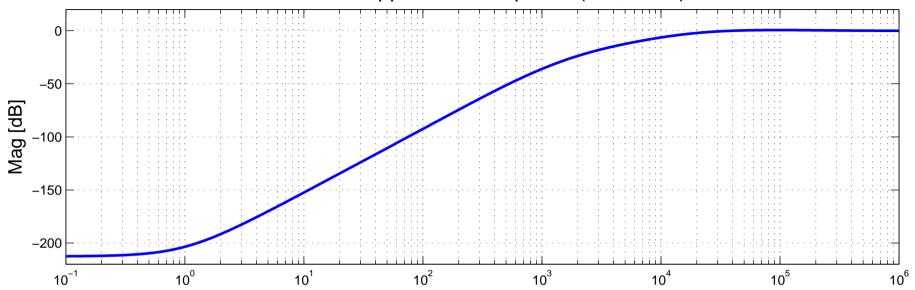


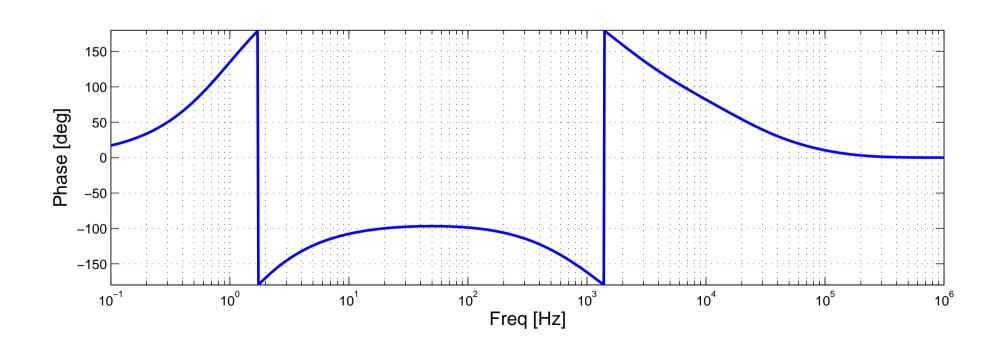


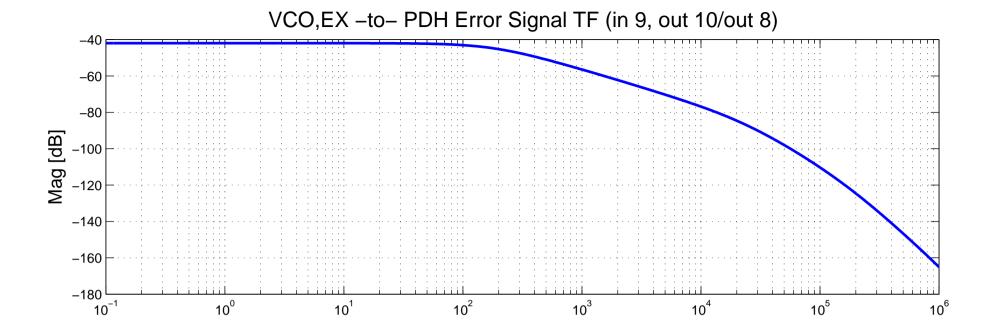


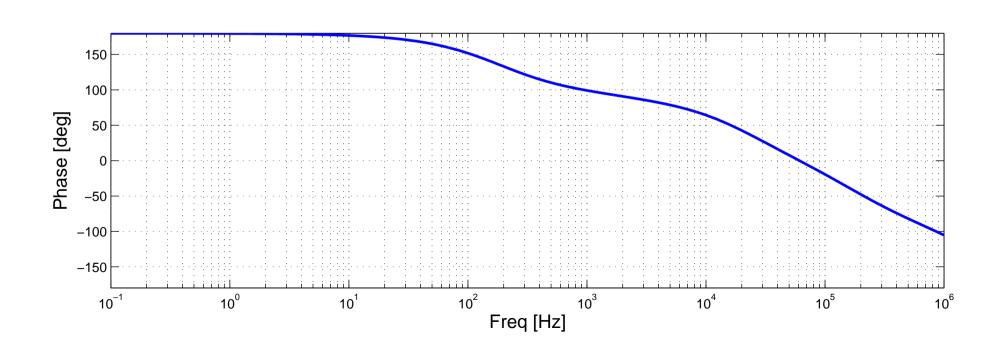


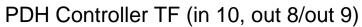
### TTFSS Suppression Response (in 7, out 6)

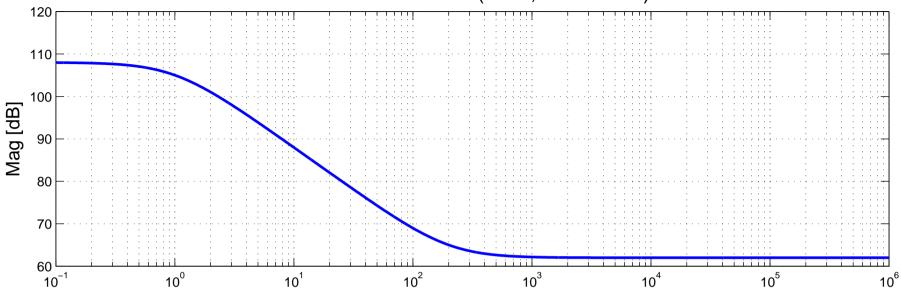


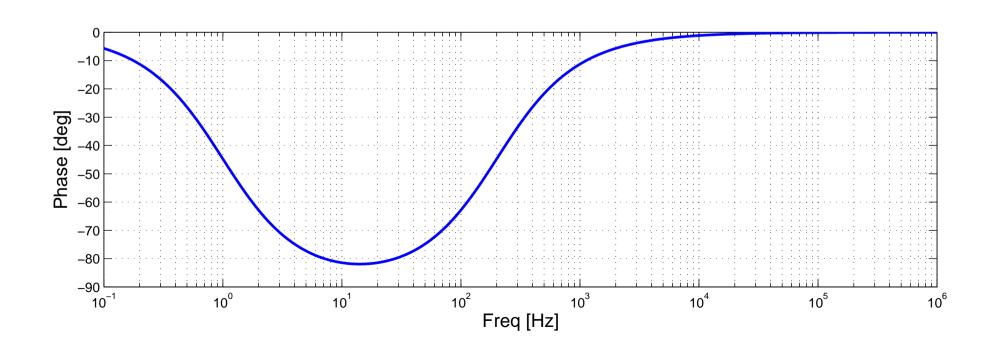


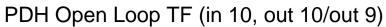


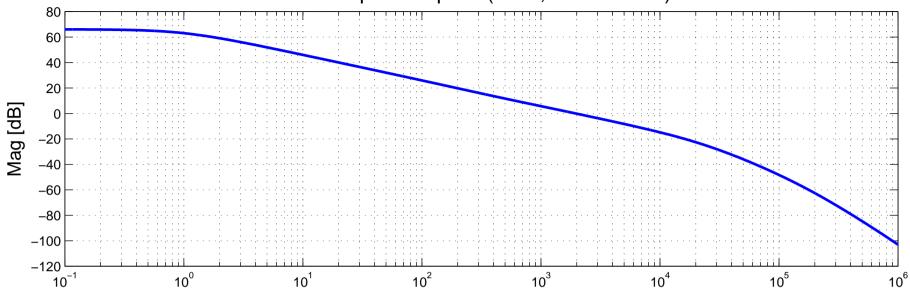


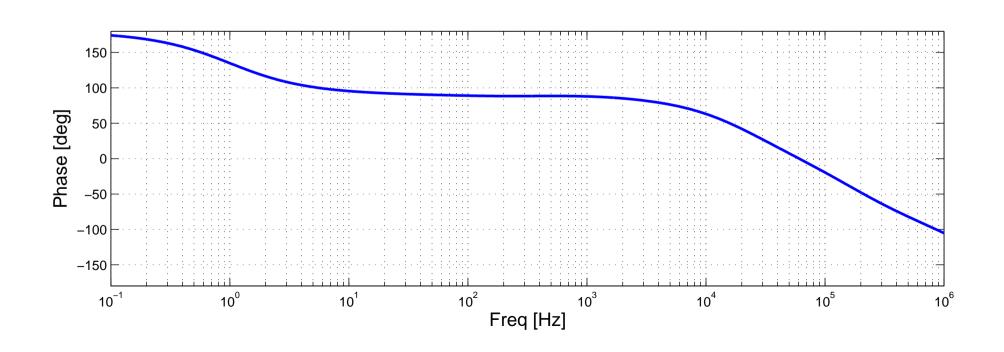


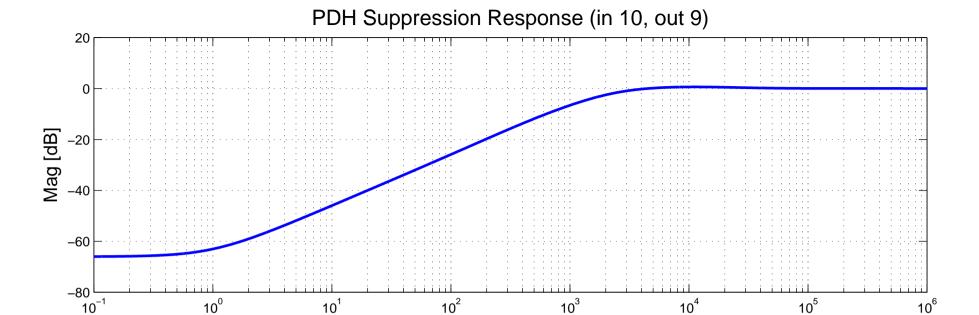


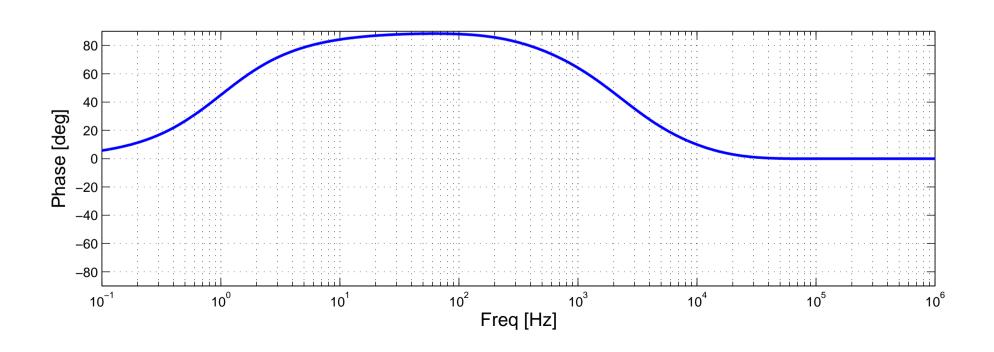




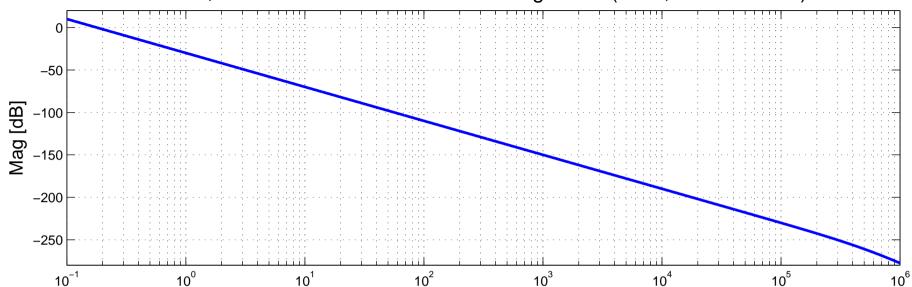


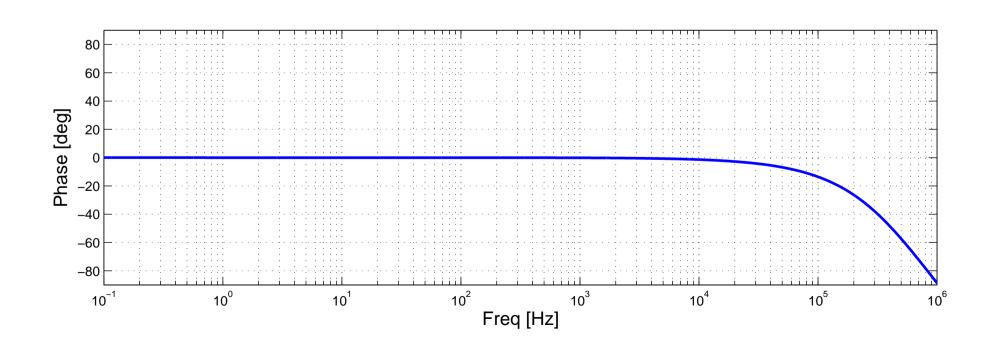


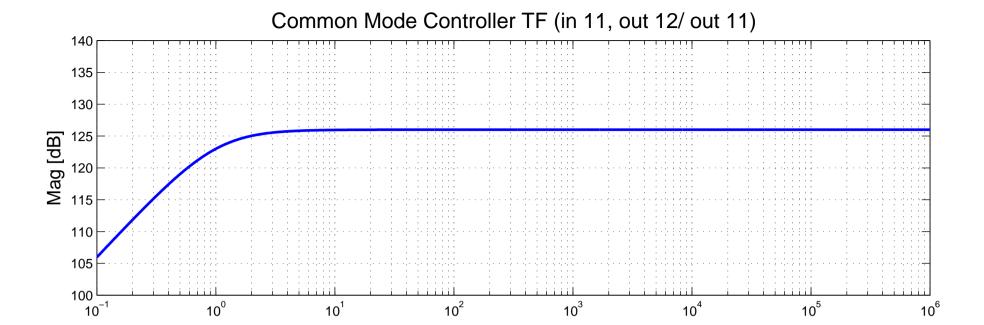


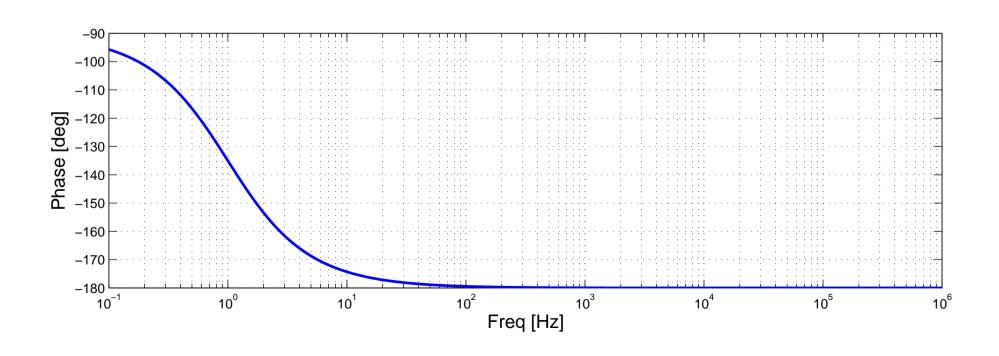




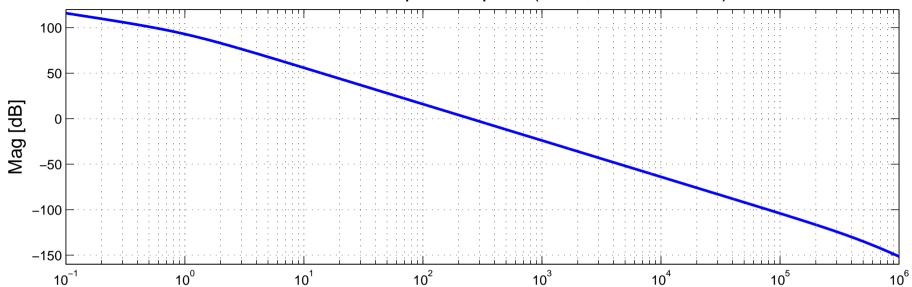


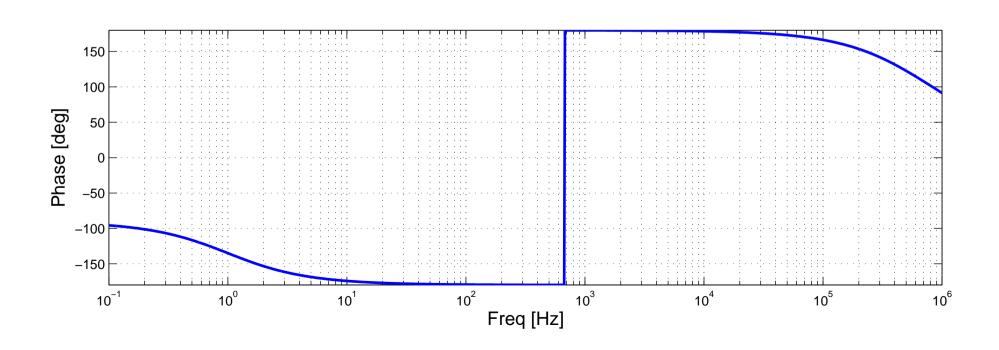


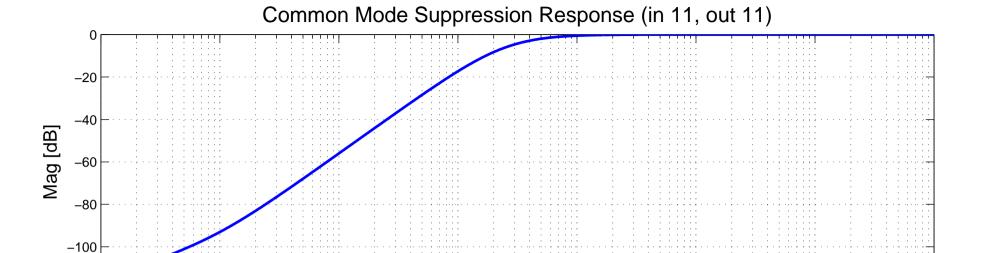




#### Common Mode Open Loop TF (in 11, out 13/out 11)







10<sup>3</sup>

10<sup>4</sup>

10<sup>5</sup>

10<sup>6</sup>

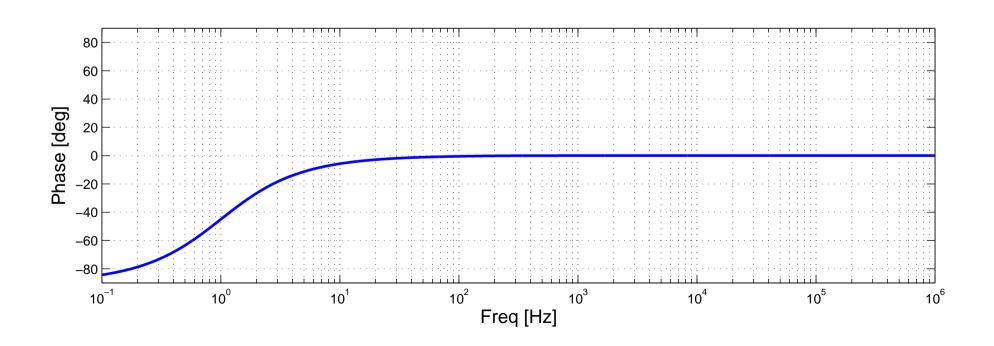
10<sup>2</sup>

-120

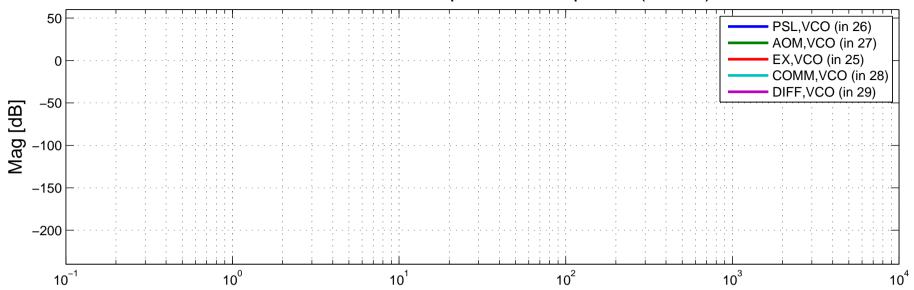
 $10^{-1}$ 

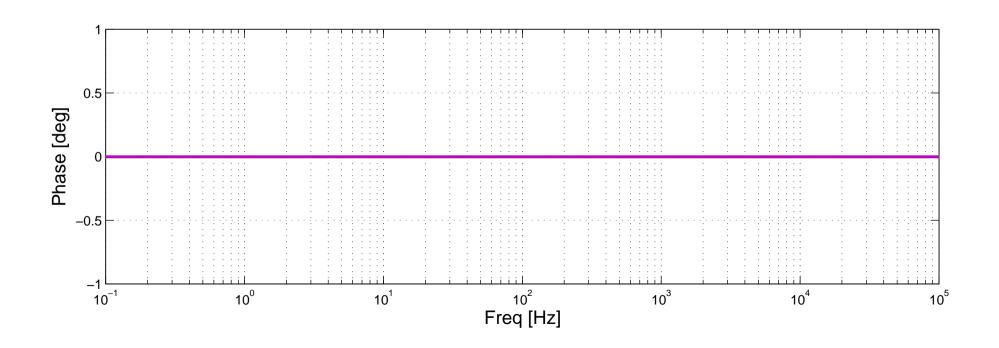
10<sup>0</sup>

10<sup>1</sup>

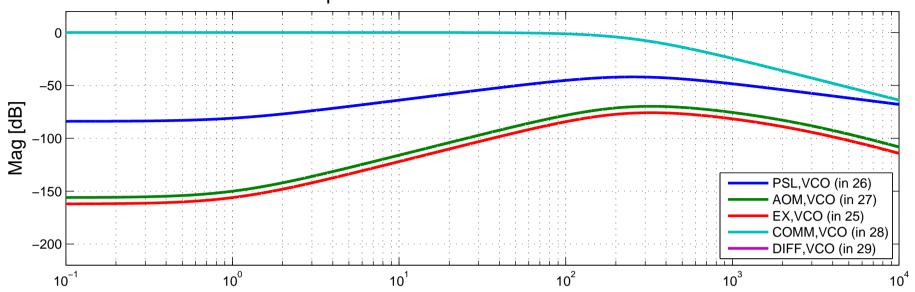


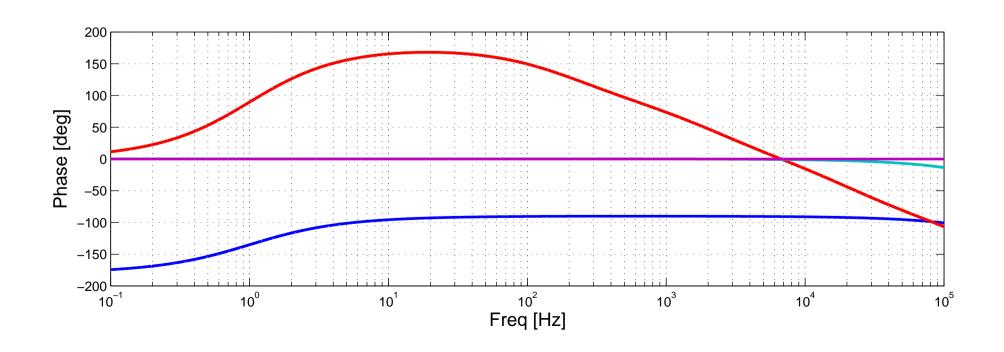
### VCOs -to- ETMx Equivalent Freq. Shift (out 25)



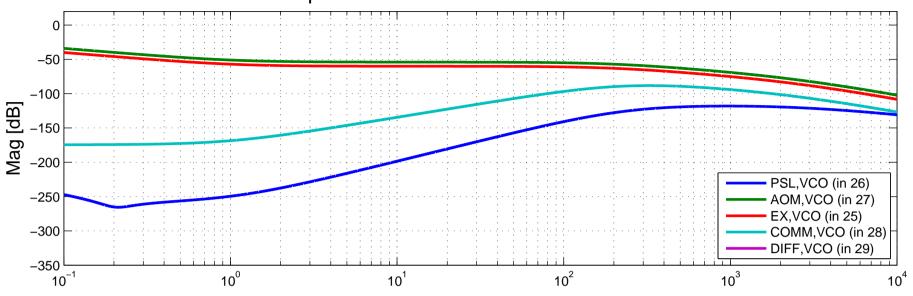


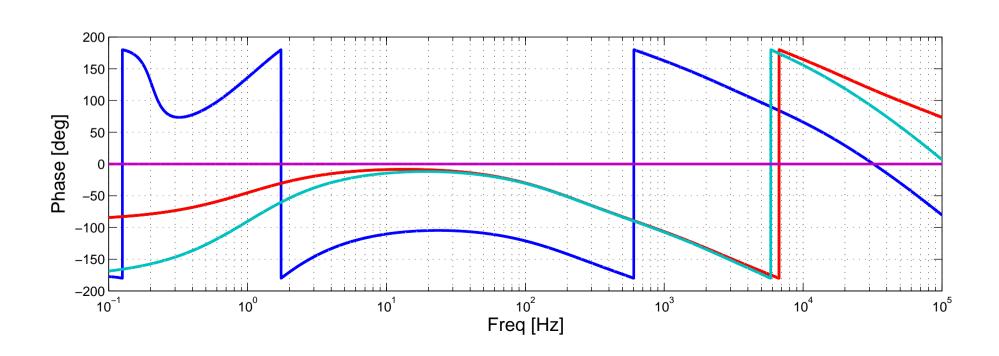
## VCOs –to– Common Mode Freq. Shift (out 34) Freq shift between PSL and X–arm Laser



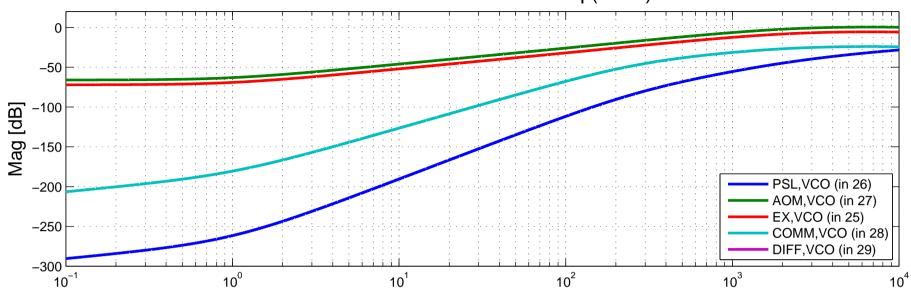


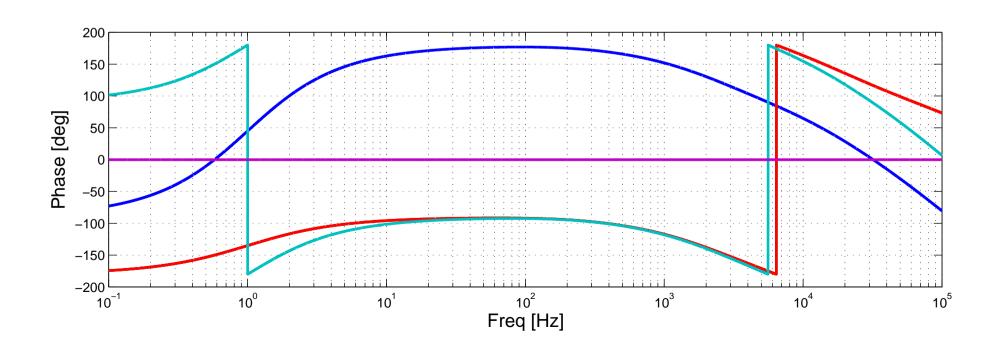
## VCOs –to– Differential Mode Freq. Shift (out 35) Freq shift between X–arm and Y–arm Lasers











# VCOs –to– PDH Freq Shift (out 10) Freq shift away from Arm Resonance

