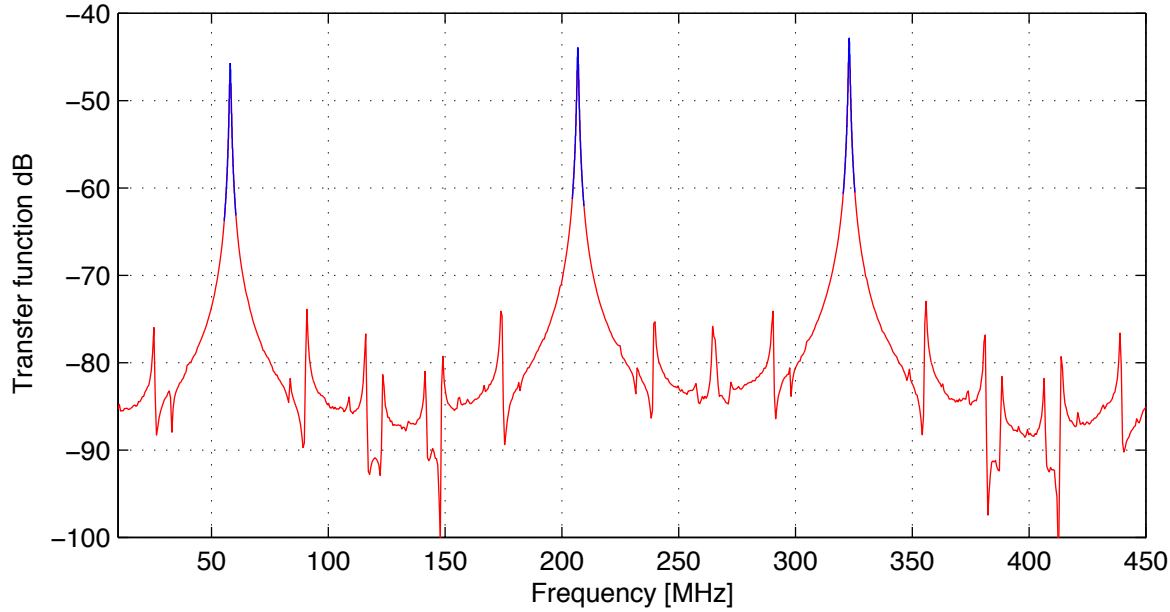


130412_Yaw: L1OMC – HOM measurement(2013/04/12)



Fit Result

== Peak 1 ==
 Peak1: 58.086312 +/- 0.000100 MHz
 Cavity pole: 328.702806 +/- 0.109869 kHz
 Finesse (1st order): 403.045845 +/- 0.134718

== Peak 2 ==
 Peak2: 206.879535 +/- 0.000097 MHz
 Cavity pole: 328.170276 +/- 0.106316 kHz
 Finesse (1st order): 403.699878 +/- 0.130786

== Peak 3 ==
 Peak3: 323.050912 +/- 0.000141 MHz
 Cavity pole: 327.651057 +/- 0.155395 kHz
 Finesse (1st order): 404.339610 +/- 0.191766

== Summary ==
 Free Spectral Range (FSR):
 264.964601 +/- 0.000173 MHz

Cavity roundtrip length:
 1.131443 +/- 0.000001 m

Lock offset:
 0.622955 +/- 0.131485 kHz

Transverse mode spacing (TMS):
 58.085689 +/- 0.000086 MHz

TMS/FSR:
 0.219221 +/- 0.000000

Cavity pole (1st order modes, avg and stddev):
 328.174713 +/- 0.525889 kHz

Finesse (1st order modes, avg and stddev):
 403.695111 +/- 0.646895

