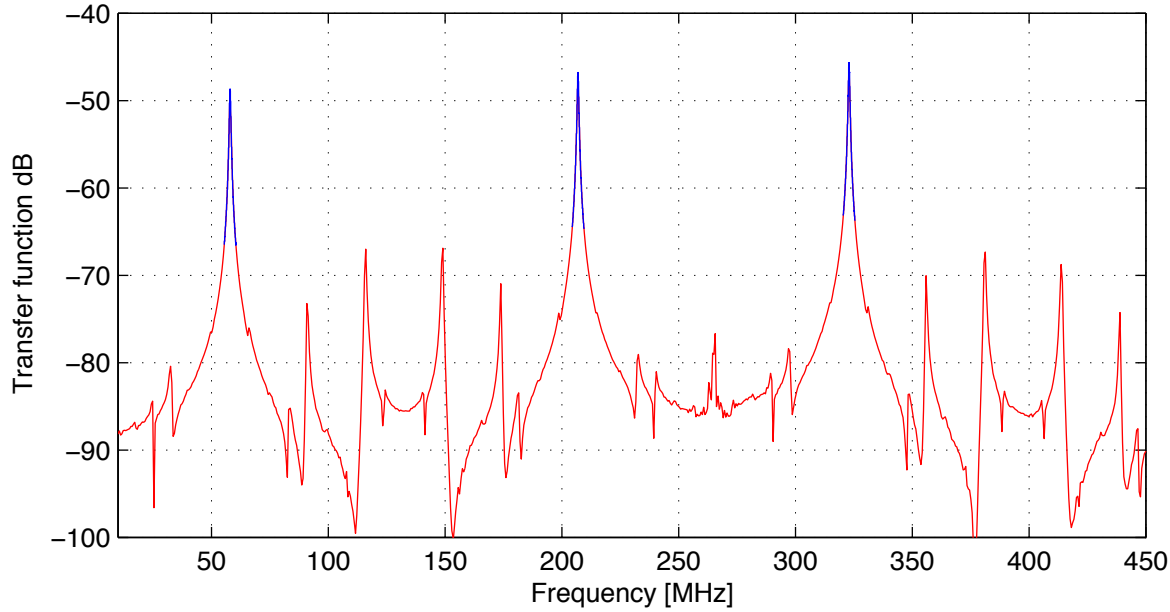


130412_Pitch: L1OMC – HOM measurement(2013/04/12)



Fit Result

== Peak 1 ==
 Peak1: 58.022602 +/- 0.000241 MHz
 Cavity pole: 323.356834 +/- 0.264726 kHz
 Finesse (1st order): 409.705559 +/- 0.335419

== Peak 2 ==
 Peak2: 206.949449 +/- 0.000205 MHz
 Cavity pole: 326.256720 +/- 0.225569 kHz
 Finesse (1st order): 406.063950 +/- 0.280747

== Peak 3 ==
 Peak3: 322.984787 +/- 0.000277 MHz
 Cavity pole: 322.699788 +/- 0.304389 kHz
 Finesse (1st order): 410.539756 +/- 0.387246

== Summary ==
 Free Spectral Range (FSR):
 264.962185 +/- 0.000367 MHz

Cavity roundtrip length:
 1.131454 +/- 0.000002 m

Lock offset:
 4.932817 +/- 0.296303 kHz

Transverse mode spacing (TMS):
 58.017669 +/- 0.000172 MHz

TMS/FSR:
 0.218966 +/- 0.000001

Cavity pole (1st order modes, avg and stddev):
 324.104448 +/- 1.892653 kHz

Finesse (1st order modes, avg and stddev):
 408.769755 +/- 2.380128

