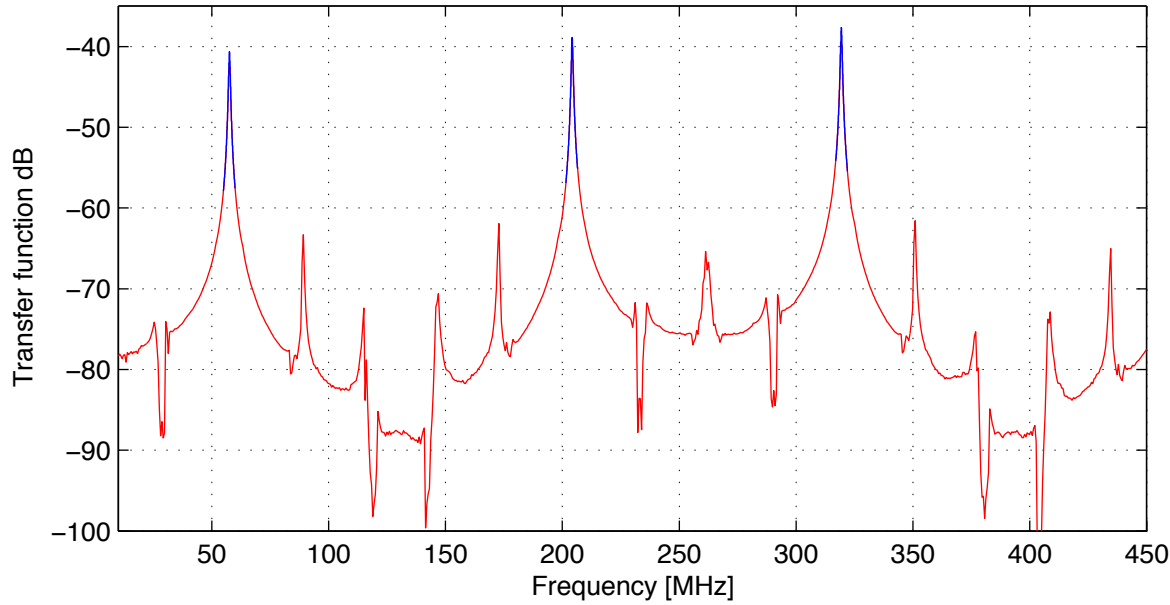


130828_Pitch: L1OMC – HOM measurement(2013/08/28)



Fit Result

== Peak 1 ==
 Peak1: 57.583587 +/- 0.000174 MHz
 Cavity pole: 354.179279 +/- 0.192607 kHz
 Finesse (1st order): 369.555706 +/- 0.200970

== Peak 2 ==
 Peak2: 204.197633 +/- 0.000218 MHz
 Cavity pole: 352.884277 +/- 0.242430 kHz
 Finesse (1st order): 370.911889 +/- 0.254815

== Peak 3 ==
 Peak3: 319.361534 +/- 0.000243 MHz
 Cavity pole: 353.332633 +/- 0.269924 kHz
 Finesse (1st order): 370.441225 +/- 0.282994

== Summary ==
 Free Spectral Range (FSR):
 261.777947 +/- 0.000299 MHz

Cavity roundtrip length:
 1.145217 +/- 0.000001 m

Lock offset:
 1.636183 +/- 0.238442 kHz

Transverse mode spacing (TMS):
 57.581950 +/- 0.000163 MHz

TMS/FSR:
 0.219965 +/- 0.000001

Cavity pole (1st order modes, avg and stddev):
 353.465396 +/- 0.657630 kHz

Finesse (1st order modes, avg and stddev):
 370.302940 +/- 0.688585

