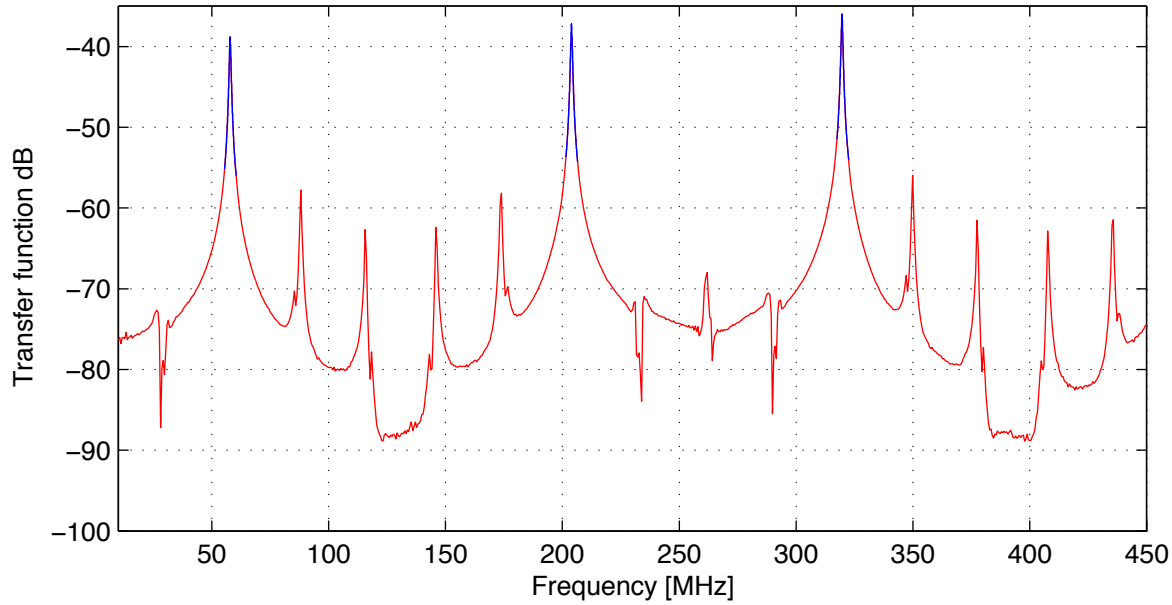


130828_Yaw: L1OMC – HOM measurement(2013/08/28)



Fit Result

== Peak 1 ==
 Peak1: 57.875838 +/- 0.000142 MHz
 Cavity pole: 357.297761 +/- 0.158243 kHz
 Finesse (1st order): 366.329061 +/- 0.162243

== Peak 2 ==
 Peak2: 203.901700 +/- 0.000151 MHz
 Cavity pole: 356.885743 +/- 0.167300 kHz
 Finesse (1st order): 366.751981 +/- 0.171925

== Peak 3 ==
 Peak3: 319.652945 +/- 0.000175 MHz
 Cavity pole: 356.402501 +/- 0.195054 kHz
 Finesse (1st order): 367.249256 +/- 0.200991

== Summary ==
 Free Spectral Range (FSR):
 261.777106 +/- 0.000226 MHz

Cavity roundtrip length:
 1.145220 +/- 0.000001 m

Lock offset:
 0.215937 +/- 0.183434 kHz

Transverse mode spacing (TMS):
 57.875622 +/- 0.000116 MHz

TMS/FSR:
 0.221087 +/- 0.000000

Cavity pole (1st order modes, avg and stddev):
 356.862001 +/- 0.448102 kHz

Finesse (1st order modes, avg and stddev):
 366.776766 +/- 0.460598

