13m Mode Cleaner cavity

\[ L_M = 13.542 \, \text{m} \]
\[ T_{\text{mirror}} = 2000 \, \text{ppm} \]
\[ g_{\text{cav}} = 0.36153 \]
\[ \text{FSR} = 11.069 \, \text{MHz} \]
\[ \text{Finesse} = 1550 \]
\[ f_{\text{pole}} = 3.575 \, \text{kHz} \]
\[ t_s = 45 \, \text{usec} \]
\[ w_{MC} = 1858 \, \text{um} \]
\[ \text{div}_{MC} = 183 \, \text{urad} \]

Gain = 487.731

\[ T_{00} = 0.976 \]

\[ \text{BW} = 7.142 \, \text{kHz} \]

\[ \Delta x (\text{HM}) = 3.44 \times 10^{-10} \, \text{m} \]

\[ T \text{ at } 29.486 \, \text{MHz} = 2.9856 \times 10^{-6} \]

MCFM \[ c(1 \, \text{ppm}) = 9.8 \, \text{mm} \]

MCCM \[ c(1 \, \text{ppm}) = 16.3 \, \text{mm} \]