$$\alpha(\mathrm{i}) = 10^{\left[2.05\log\left(f_0/1000\right)+6.33\times10^{-4}\theta-1.45325\right]}$$

$$+\eta(\delta)\times10^{\left[\log\left(f_0\right)+4.6833\times10^{-3}\theta-2.4215\right]}$$