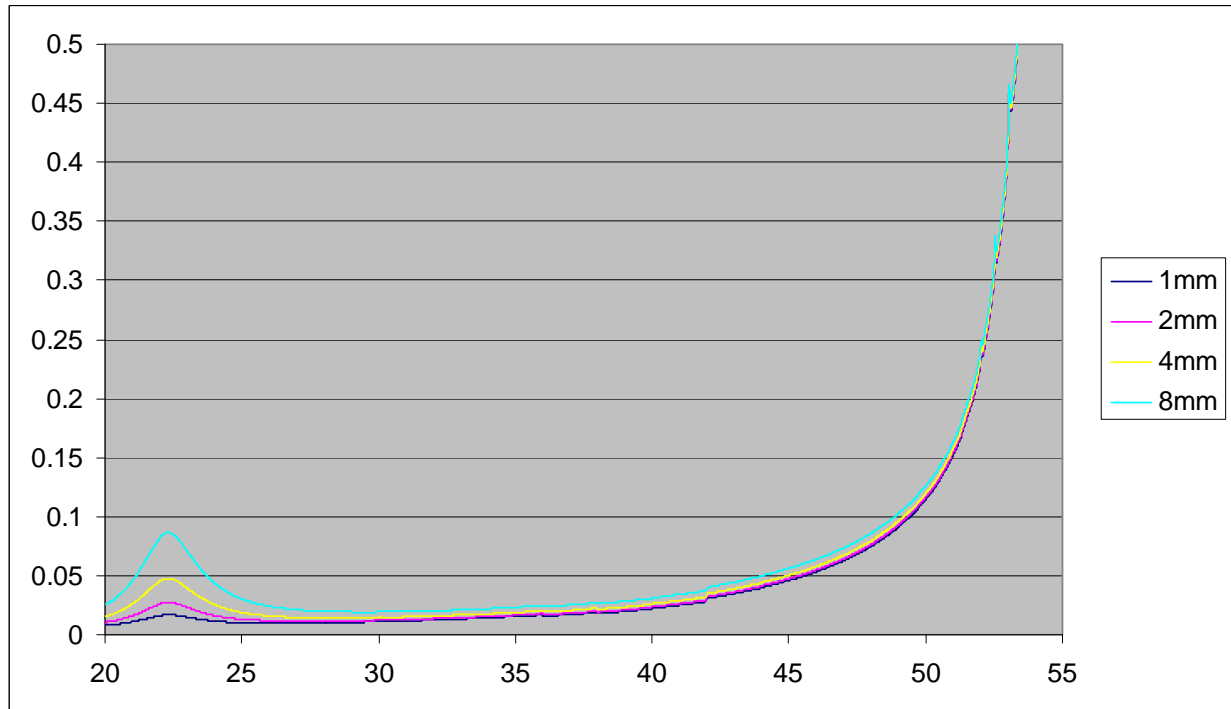
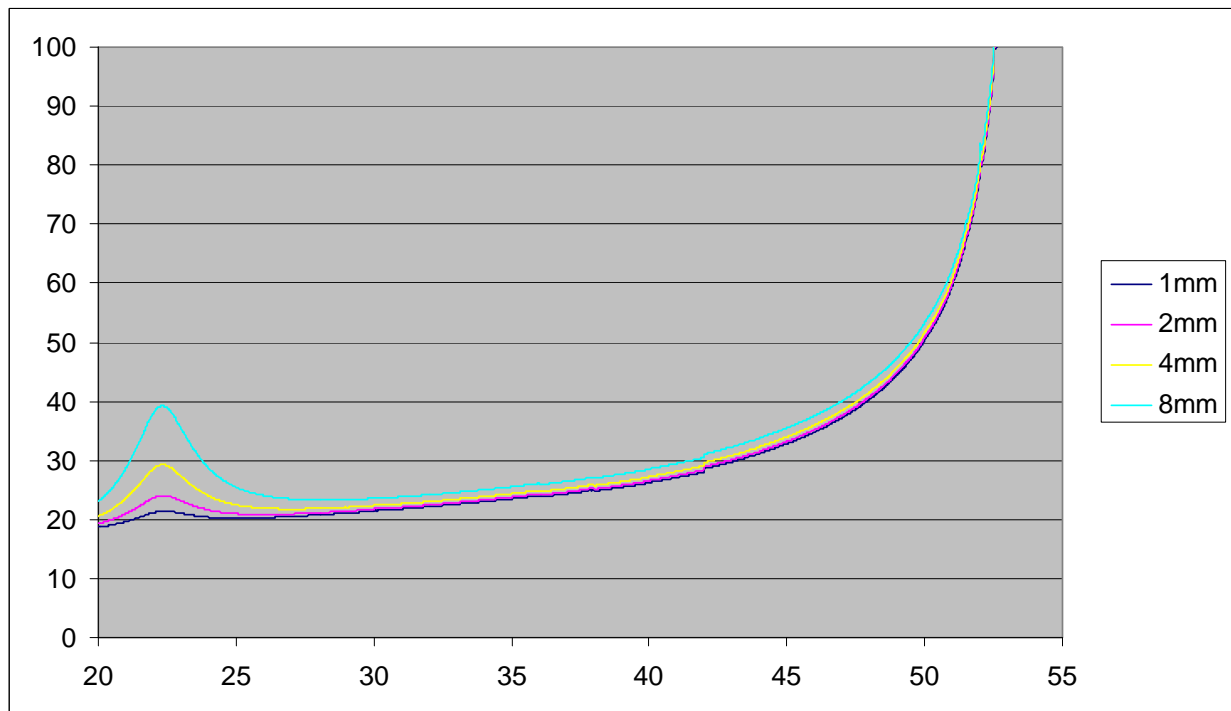


Atmospheric absorption AT ZENITH from ATM.



Plausible noise temperature (at Zenith)  $T_{rx} = 10K + 0.2 * \text{freq (GHz)}$



One sees that the absorption at say 48 GHz is substantially less than indicated by AM but it really does go over a cliff about about 52 GHz.