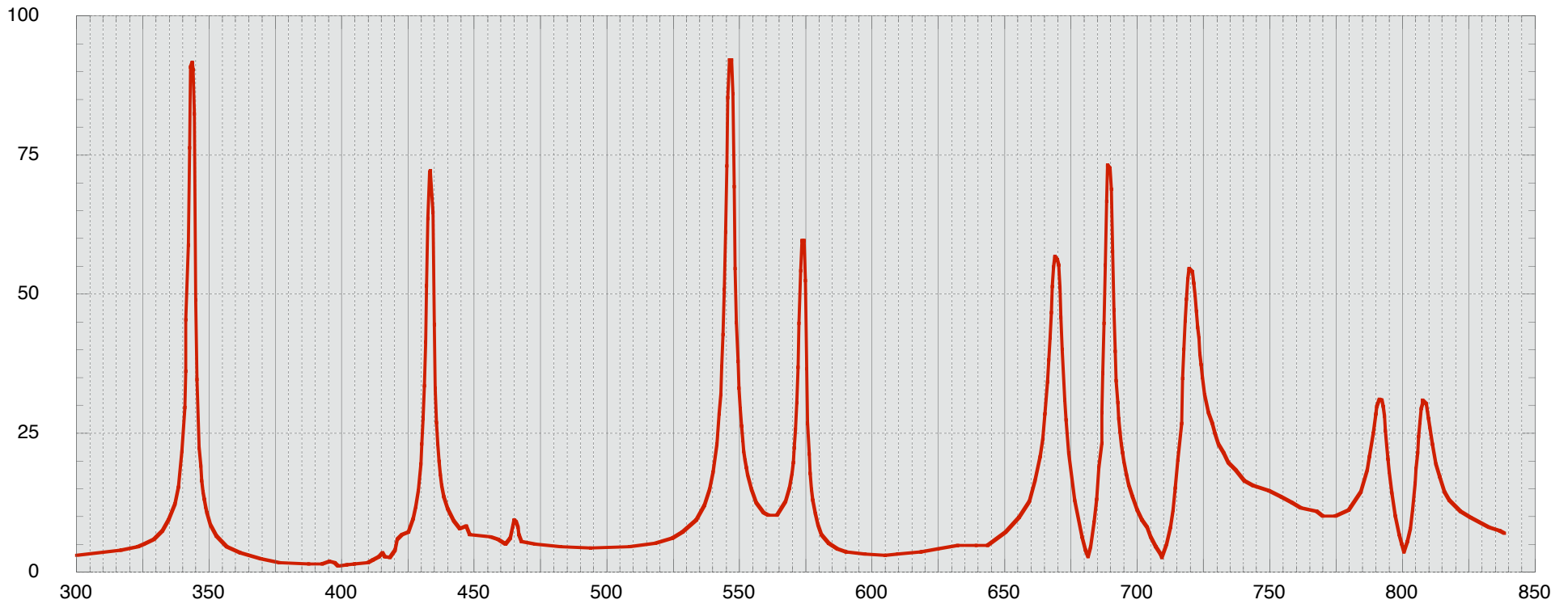


3-d Cavity Audio Resonances 300 Hz - 840 Hz

Box Dim. - $X=30.0\pm 0.1\text{cm}$, $Y=39.85\pm 0.1\text{cm}$, $Z=50.0\pm 0.1\text{cm}$

$$V_{\text{sound}} = 344 \text{ m/s}$$



Frequency (Hz)

mode (l,m,n)	Predicted Freq.	Observed Freq.
0,0,1	344	344
0,1,0	432	434
0,1,1	552	547
1,0,0	573	574

mode (l,m,n)	Predicted Freq.	Observed Freq.
1,0,1	669	669
0,0,2	688	689
1,1,0	718	720
1,1,1	796	791
0,1,2	812	808