Original signal

Frequency magnitudes

Two periods

```
The largest frequency component is f = 103.95341474445952
<Figure size 1000x1200 with 0 Axes>
```

In [6]:
```python
f0=5e6
f_d=200
theta=60*np.pi/180
c=1480
v=((f_val)*c)/(2*np.cos(theta)*f0)
print(f"The estimated velocity is v = {v}")
```

```
The estimated velocity is v = 0.030770210764360015
```