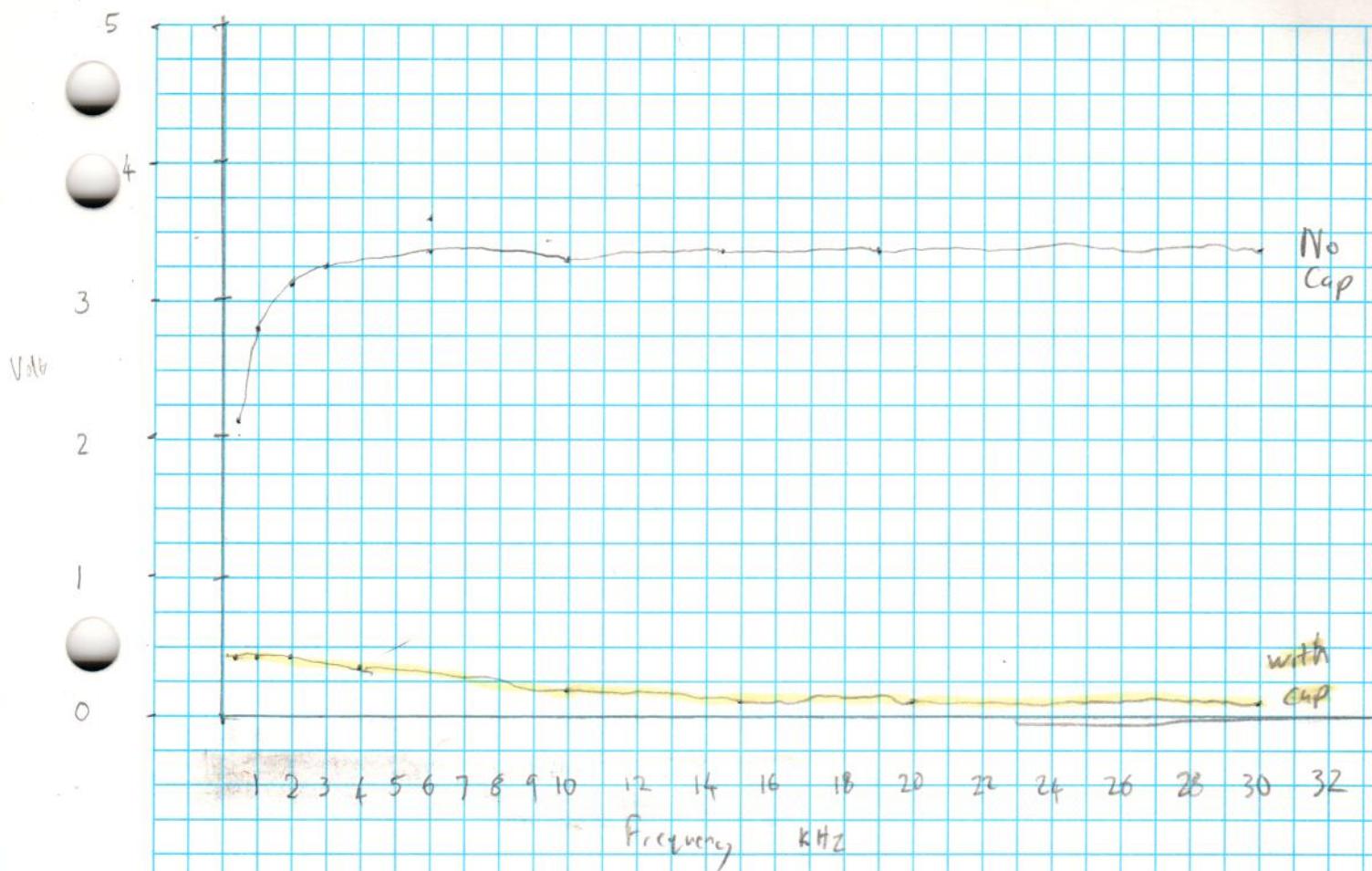


V peak-to-peak

$$\frac{420}{70} \approx \text{gain of 6}$$

$$\frac{2800}{70} \text{ gain of 40}$$



Freq

1 kHz 600 Hz 2 kHz 4 kHz 6 kHz 10 kHz 15 kHz 20 kHz 30 kHz

input

70 mV 70 mV

no cap

2.08V 2.1V 3.1V 3.25V 3.32V 3.28 3.34V 3.3V 3.3V

with
2nF cap

420 mV 420 mV 420 mV 350 mV 300 mV 235 mV 180 mV 150 mV 120 mV

mV

500

400

300

200

100

With 2.2 nF
cap

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

30

kHz