

Sample Reading 1

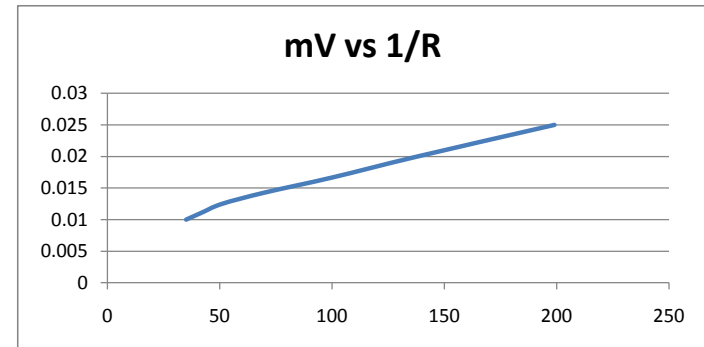
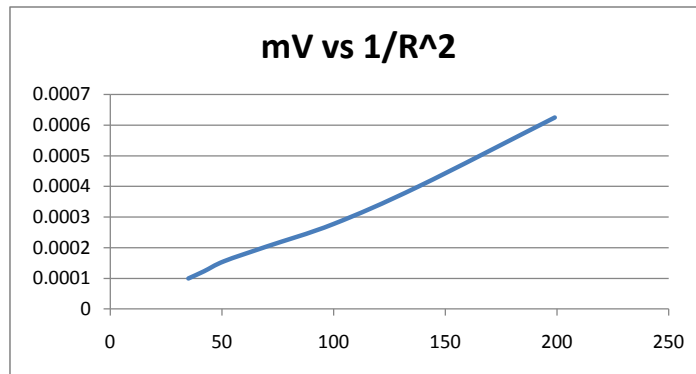
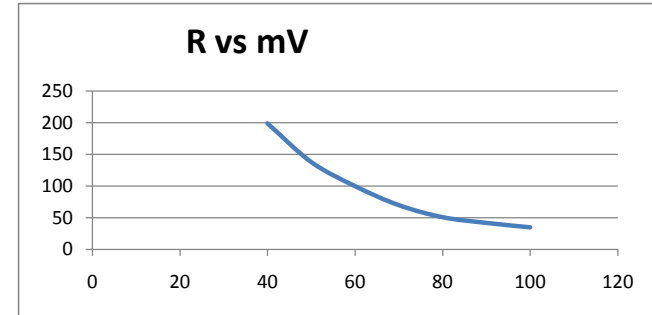
Microwave Apparatus

Sample Reading

Gunn Bias Voltage= 4.5V

**Distance between
Transmitter & receiver R
(cm)**

Distance between Transmitter & receiver R (cm)	Multimeter Voltage (mV)	R x mV	R ² x mV	E=1/R	1/R ²
40	199	7960	318400	0.025	0.000625
50	138	6900	345000	0.02	0.0004
60	100	6000	360000	0.016667	0.000278
70	70	4900	343000	0.014286	0.000204
80	51	4080	326400	0.0125	0.000156
90	42	3780	340200	0.011111	0.000123
100	35	3500	350000	0.01	0.0001



Sample Reading 2

Distance between Transmitter & receiver R (cm)= 40cm

Gunn Bias Voltage= 4.5V

Angle of Reciver

Output (mV)

0	190
10	125
20	19
30	2
40	1.3
50	0.1

