

# Experiment 2

Rep. Voltage	-250 V
Beam Current	18 mA
Beam Voltage	300 V
Frequency Meter	9.5 GHz
speed of light	3.00E+08

d1 (in cm)	d2 (in cm)	lambda_g (in cm)	lambda_c (in cm)
11.55	13.91	0.0472	0.04572
		Calculated frequency	Calculated Wavelength
		9.14E+09	3.28E-02

$$f = \frac{c}{\lambda_0} = c \sqrt{\frac{1}{\lambda_g^2} + \frac{1}{\lambda_c^2}}$$

Error (in %)

3.789473684

