

Model VKY2441L3
 Serial # EO952C3

Frequency ~ 180GHz

RF Frequency ~91 GHz

RF Frequency	Beat Frequency	Output Frequency	Cathode Voltage	Cathode Current	Anode Voltage	Helix Current	Filament Voltage	Filament Current	Power
GHz	GHz	GHz	kV	mA	kV	mA	kV	mA	W
91.195	0.96	183.35	9.6	79.5	4.22	0.68	6.31	789	0.48
91.197	0.977	183.371	9.68	79.7	4.22	0.95	6.31	789	0.844
91.197	0.998	183.392	9.81	80.2	4.22	1.22	6.31	789	1.133
91.198	1.041	183.437	9.93	81.5	4.22	1.22	6.31	790	1.255
91.195	1.075	183.465	10.02	82	4.22	1.18	6.31	790	1.309
91.194	1.14	183.528	10.16	83.6	4.22	1	6.31	789	1.326
91.1939	1.24	183.6278	10.33	83.6	4.22	0.78	6.31	789	1.176
91.1932	1.25	183.6364	10.42	82.9	4.22	0.42	6.31	789	0

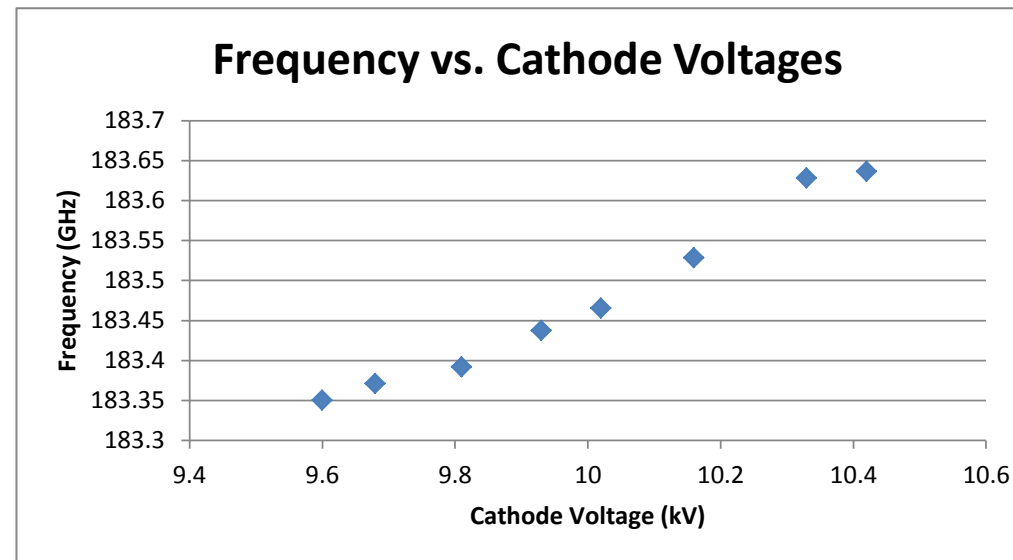
Freq = (2*RF Freq) + Beat Freq (~1)

Power read off mult

Varied Cathode Voltage while everything else remained constant

Adjust Gunn Bias until beat frequency is about 1.0 GHz

Gunn Bias at 2.40



imeter