

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
91.1196	1.317	183.5562	9.63	69.5	4.22	0.63	6.31	797	0.3
91.121	1.325	183.567	9.67	69.2	4.22	0.7	6.31	797	0.41
91.128	1.359	183.615	9.81	69.5	4.22	0.9	6.31	796	0.877
91.127	1.384	183.638	9.93	69.6	4.22	0.95	6.31	796	1.02
91.125	1.404	183.654	10.02	69.7	4.22	0.82	6.31	795	1.06
91.1238	1.47	183.7176	10.16	69.5	4.22	0.79	6.31	794	1.08
91.12	1.53	183.77	10.25	69.7	4.22	0.45	6.31	794	1.04

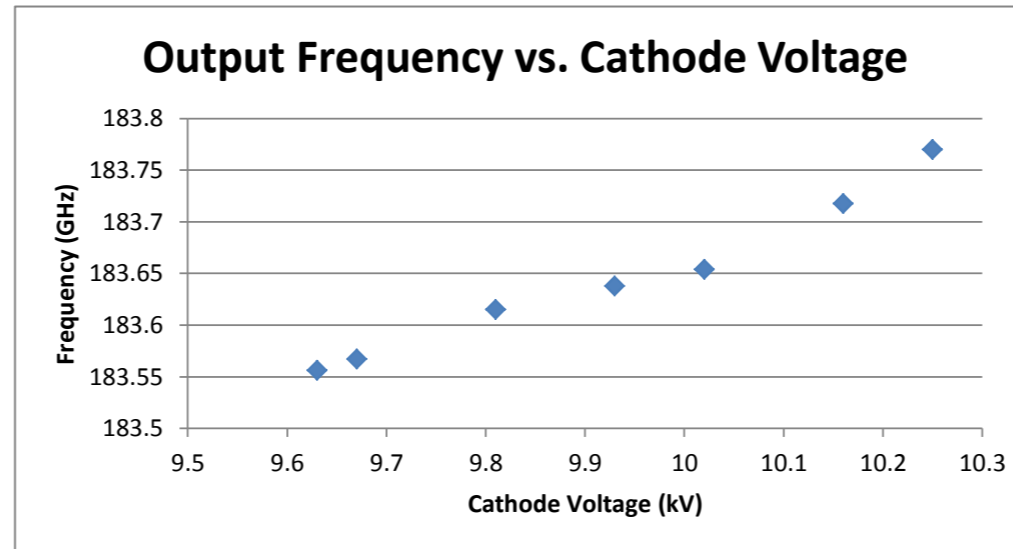
Freq = (2*RF Freq) + Beat Freq (~1)

Varied Cathode Voltage

Adjust Gunn Bias until beat frequency is about 1.0 GHz

Gunn Bias at 2.40

Has a smaller cathode voltage range than other 180 GHz



Power read off Multimeter