



Communications & Power Industries  
Canada Inc.

# CW EXTENDED INTERACTION KLYSTRON OSCILLATOR

## FINAL TEST RESULTS

MODEL NUMBER VKT2438P6 SERIAL NUMBER E1288B5

TEST FREQUENCY (GHz)	RF POWER OUTPUT (W)	CATHODE VOLTAGE (kV wrt Body)	CATHODE CURRENT (mA)	BODY CURRENT (mA)	ANODE VOLTAGE (kV wrt Cathode)	COLLECTOR VOLTAGE (kV wrt Ground)	ELECTRONIC TUNING RANGE (MHz)	POTENTIOMETER RESISTANCE (kOhms, #1 - #2)
138.5	17.7	-9.454	72	5.2	4.283	-0.072	148	5.074
139.0	15.7	-9.543	72	5.3	4.283	-0.072	180	5.385
139.5	17.5	-9.612	72	4.9	4.283	-0.072	180	5.693
140.0	16.9	-9.700	72	4.1	4.283	-0.072	136	6.007
140.5	16.7	-9.802	72	3.9	4.283	-0.072	152	6.229
141.0	18.0	9.919	72	3.7	4.283	-0.072	172	6.413
141.5	15.7	10.000	72	3.5	4.283	-0.072	172	6.608

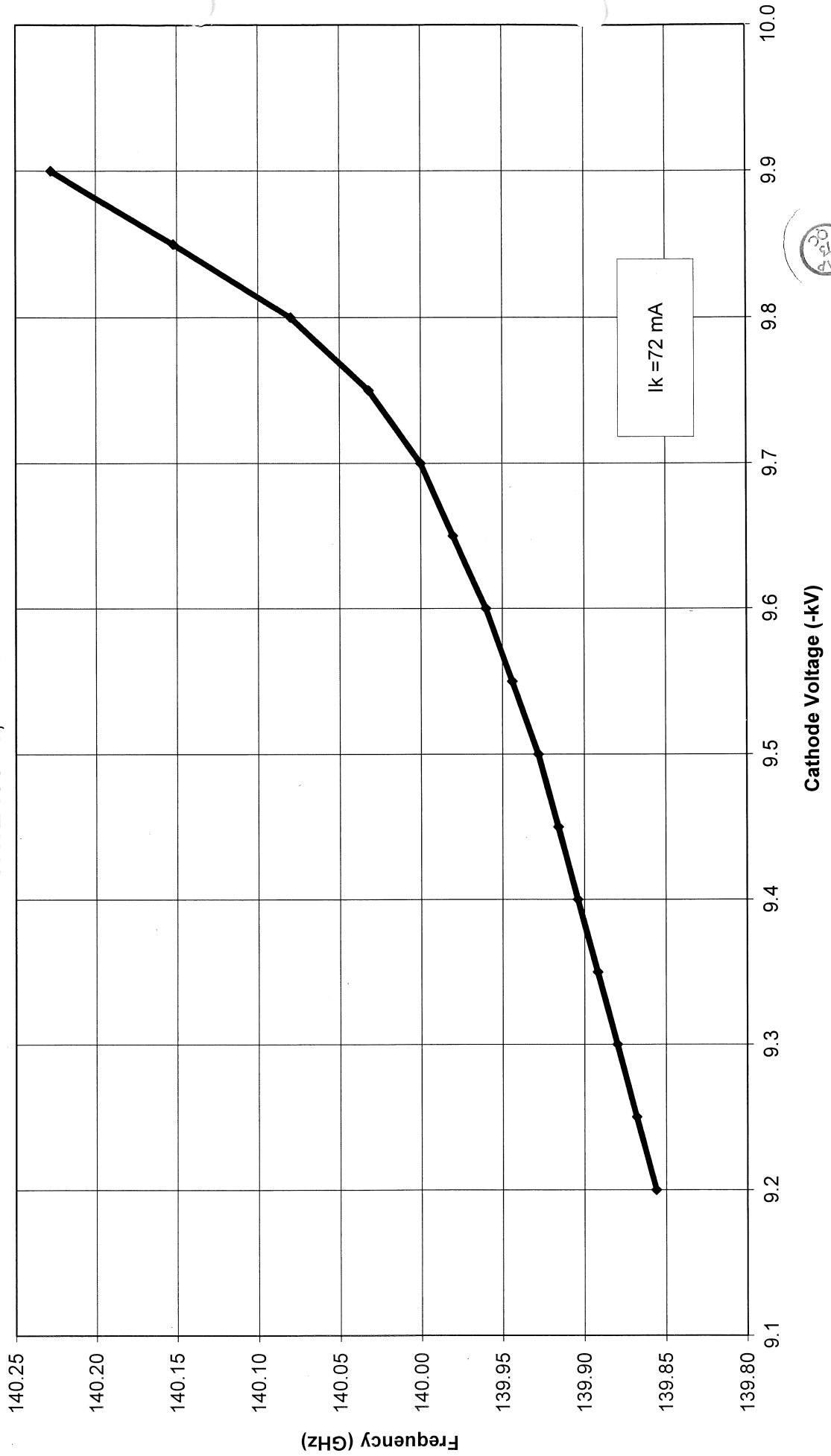
HEATER VOLTAGE: 5.6 V	HEATER CURRENT: 0.75
TEST POWER SUPPLY: Universal Voltronics, # 82501	ANODE CURRENT: N/A
COOLING DATA: 1.5 Litre/min De-ionized Water at 20°C	

TESTED BY: I. Ibraimov	TEST DATE: February 10, 2015
INSPECTED BY:	INSPECTION DATE:
CUSTOMER: University of Virginia	SALES ORDER NUMBER: 116549

# FREQUENCY vs CATHODE VOLTAGE

VKT2438P6, E1288B5

10 February, 2015



2438  
E1288B5

# RF POWER OUTPUT VS CATHODE VOLTAGE

VKT2438P6, E1288B5

10 February, 2015

