

TO : Lyncean Technologies , Inc.

INSPECTION SHEET

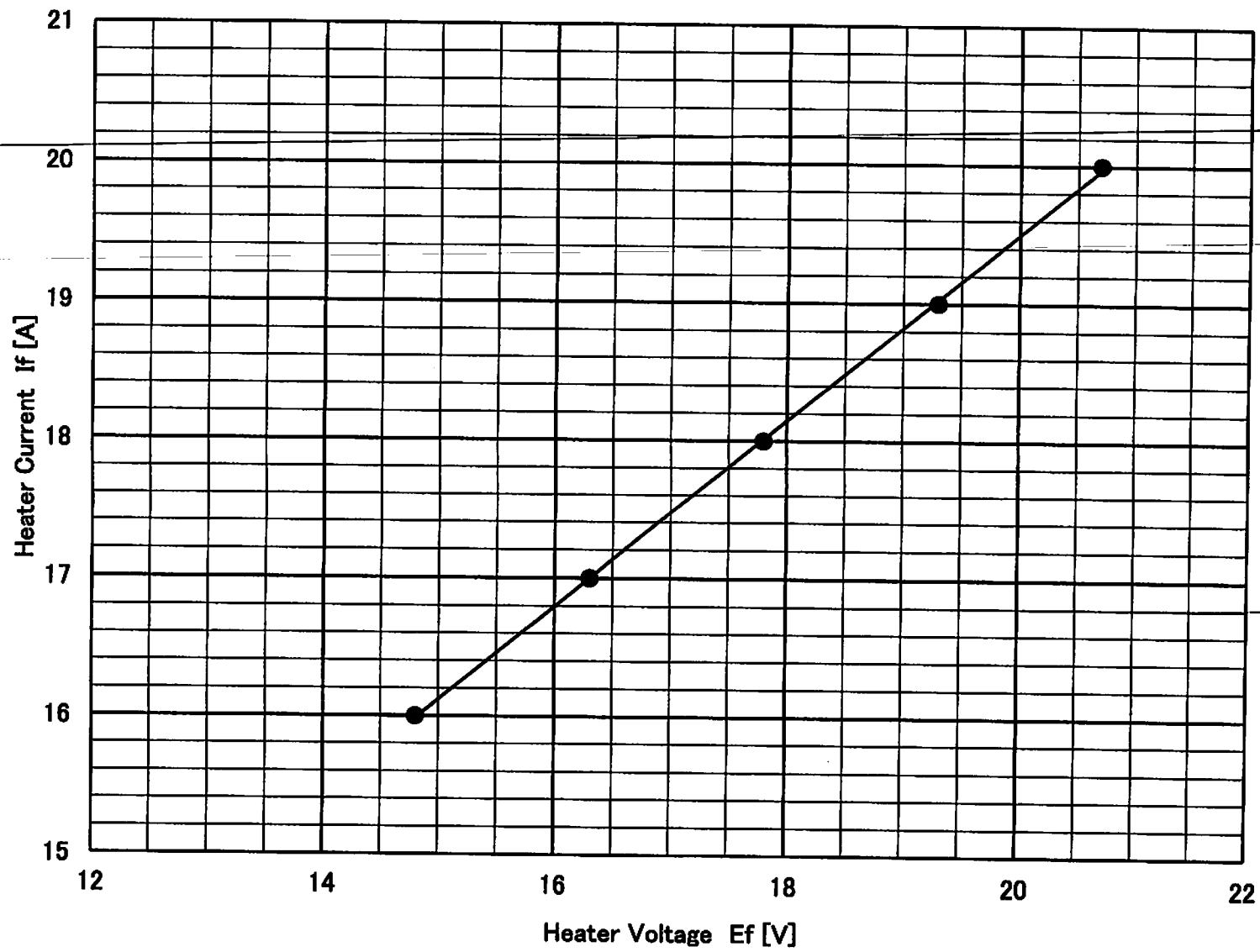
HIGH POWER PULSE KLYSTRON
E3730A S/N 20F103

CANON ELECTRON TUBES & DEVICES CO., LTD.

TEST CLASSIFICATION	AQL	n1	d1	n1+n2	d1+d2	JUDGE	INSPECTION SHEET TYPE HIGH POWER PULSE KLYSTRON E3730A	APPLIED SPECIFICATION	PRODUCT SPECIFICATION		
APPEARANCE								SUPPLY QUANTITY	1	DATE OF INSP.	24-Jun-2020
PRODUCTION								CHIEF OF INSPECTION SECTION	Y. Tanaka		
DESIGN											

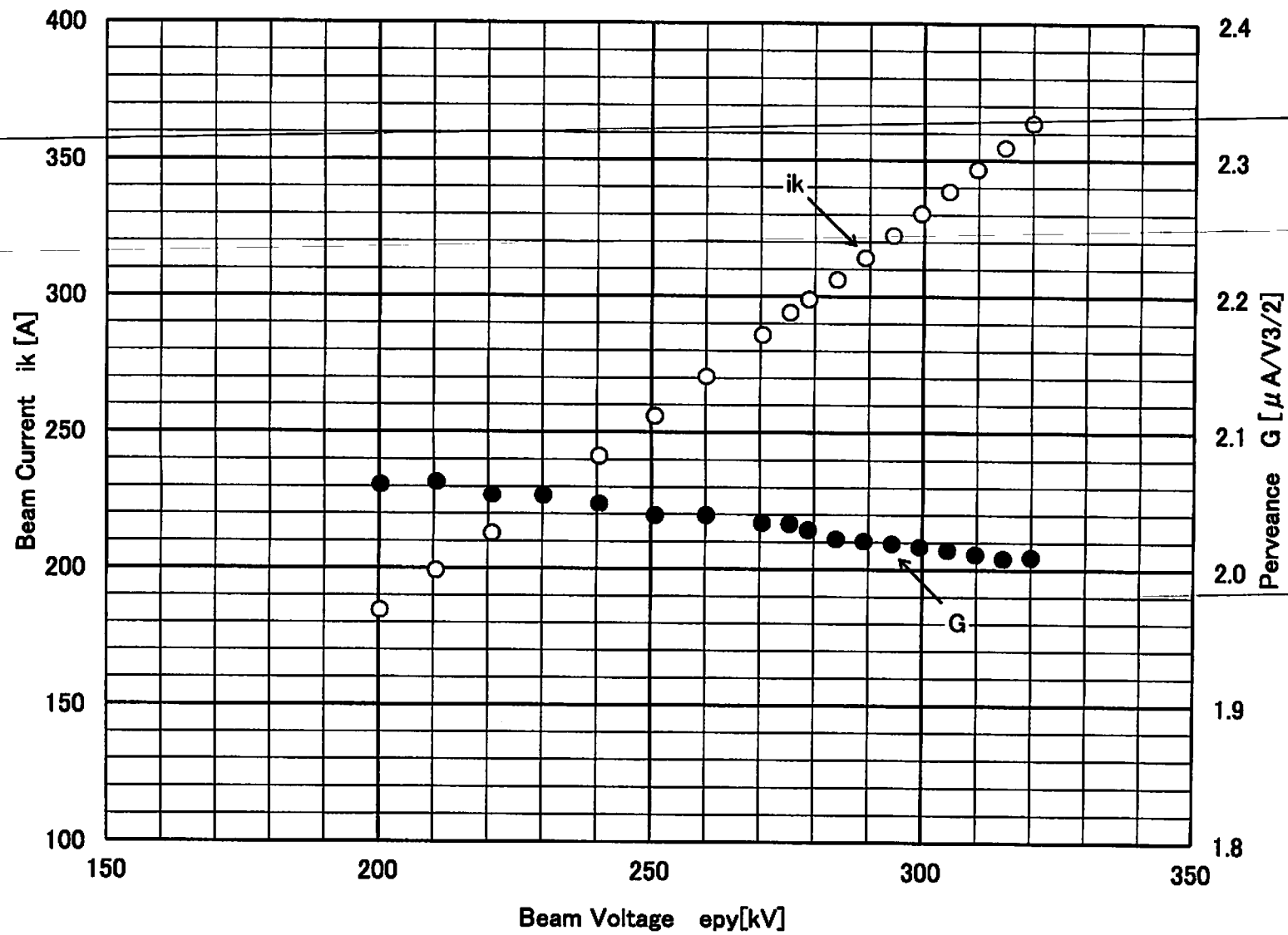
TEST CONDITION ELECTROMAGNET VT-68922													JUDGE
ITEM	STATIC			DYNAMIC									
	VACUUM CHECK	HEATER CURRENT	BEAM CURRENT	OUTPUT POWER	BEAM VOLTAGE	BEAM CURRENT	DRIVE POWER	GAIN	EFFICIENCY	PERVEANCE	X-ray Leakage		
	Ion	If	ik	po	epy	ik	pd	Gp	η	G			
UNIT	[μ A]	[A]	[A]	[MW]	[kV]	[A]	[W]	[dB]	[%]	[μ A/V ^{1.5}]	[μ Sv/h]		
CONDITION	No operating voltage	Ef=18.9[V] (Ef \leq 20[V])	Ef=18.9[V] epy=310[kV] tp(epy)=6.2[μ s] fp=50[pps]	Ef=18.9[V] fo = 2856 [MHz] , tp(rf) = 4.0 [μ s] , tp(epy) = 6.2 [μ s] , fp = 50 [pps] Isol = (18.8, 30.2, 14.6, 17.1, 12.6, 4.8) [A]									
No.													
20F103	0.01	18.5	347	50.7	320	364	360	51.5	43.6	2.01	8.2		
SPEC	MIN.	-	-	345.2	50	-	-	-	50	42	1.95	-	INSPECTOR
	PAR	-	-	-	-	-	-	-	-	-	2.1	-	
	MAX.	4.0	20	379.8	-	320	-	500	-	-	2.2	20	
TYPE 53220A series CANON ELECTRON TUBES & DEVICES CO., LTD.													M. Shibazaki

E3730A S/N 20F103 HEATER CHARACTERISTICS



E3730A S/N 20F103 epy-ik CHARACTERISTICS

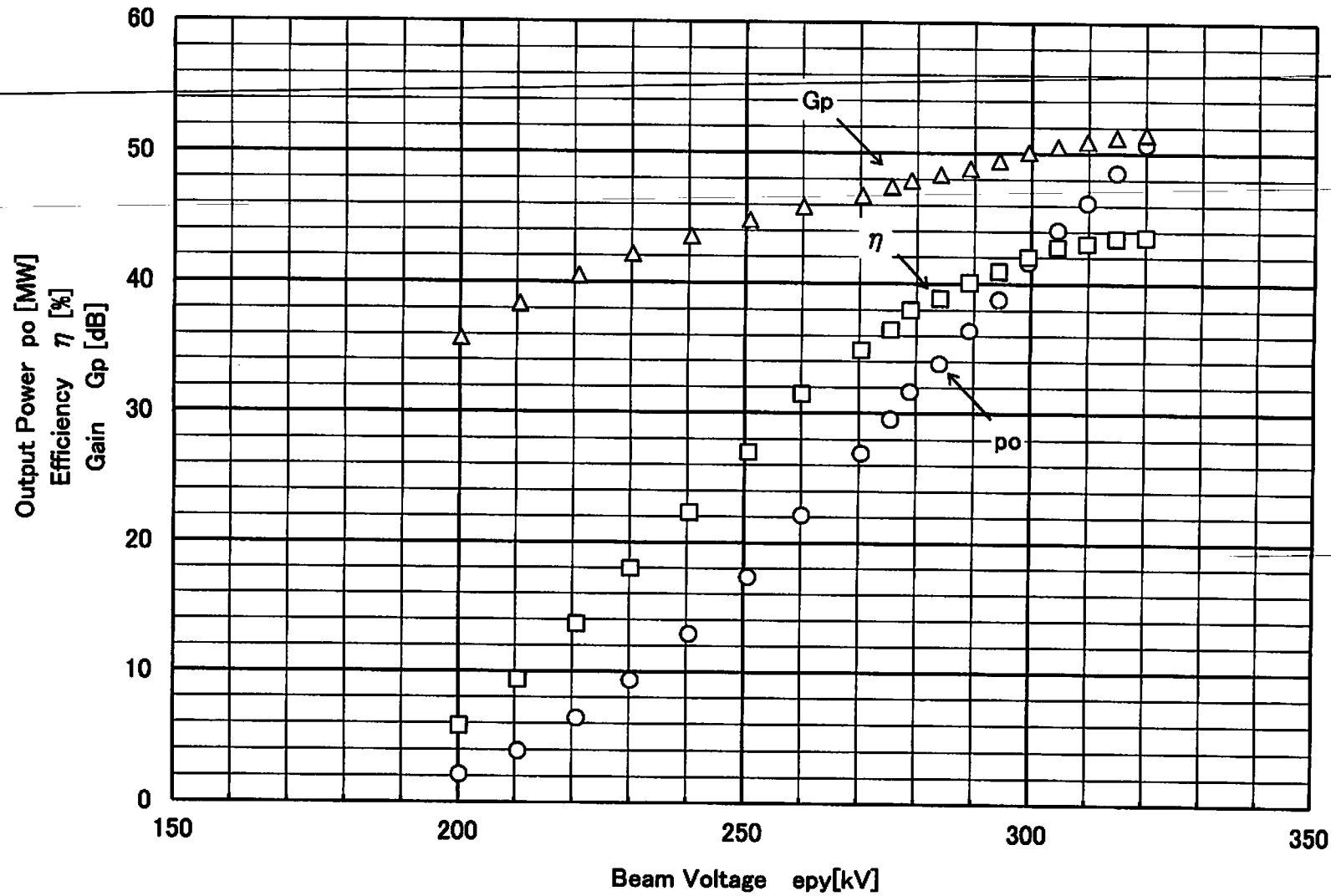
tp(epy) = 6.2 [μs], prr = 50 [pps]



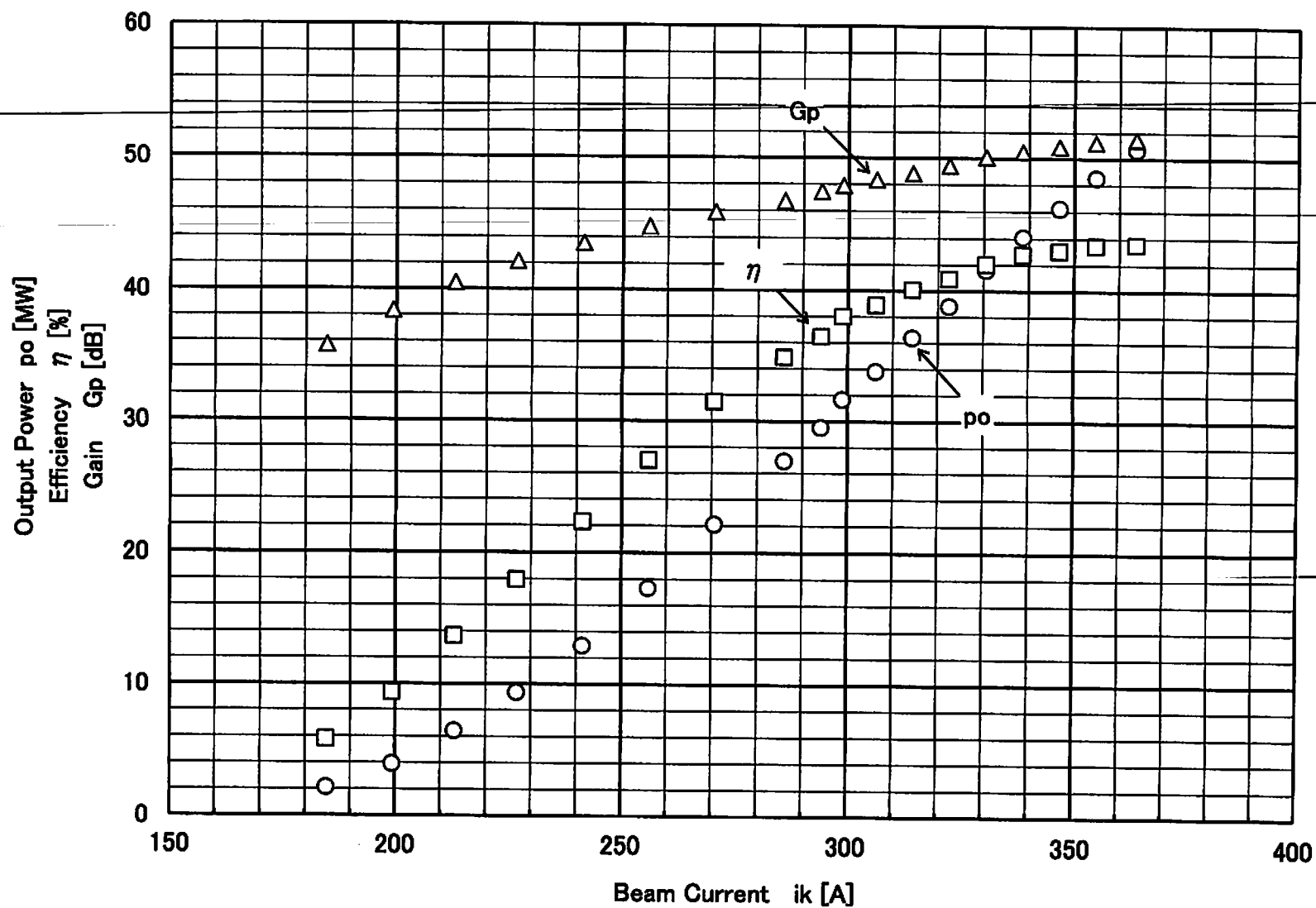
E3730A S/N 20F103 SATURATED OUTPUT CHARACTERISTICS (1)

$t_p(\text{rf}) = 4.0 \text{ } [\mu\text{s}]$, $p_{rr} = 50 \text{ [pps]}$,

$I_{sol} = (18.8 , 30.2 , 14.6 , 17.1 , 12.6 , 4.8) \text{ [A]}$



E3730A S/N 20F103 SATURATED OUTPUT CHARACTERISTICS (2)

 $t_p(\text{rf}) = 4.0 [\mu\text{s}]$, $\text{prf} = 50 [\text{pps}]$, $I_{\text{sol}} = (18.8, 30.2, 14.6, 17.1, 12.6, 4.8) [\text{A}]$ 

E3730A S/N 20F103 POWER TRANSFER CHARACTERISTICS

$t_{p(rf)} = 4.0 [\mu s]$, $p_{rr} = 50 [pps]$, $e_{py} = 320 [kV]$, $i_k = 364 [A]$,

$I_{sol} = (18.8, 30.2, 14.6, 17.1, 12.6, 4.8) [A]$

