

f	73 r						600 r						1200 r					
	TOTAL I (ma)	FINAL I (ma)	PLATE POWER	ANT I (ma)	POWER OUT	% EFF	TOTAL I (ma)	FINAL I (ma)	PLATE POWER	ANT I (ma)	POWER OUT	% EFF	TOTAL I (ma)	FINAL I (ma)	PLATE POWER	ANT I	POWER OUT	% EFF
4 I	72.5	58.5	23.4	361	9.5	40.6	68	53.5	21.4	136	11.1	51.8	64.5	54	22	97	11.3	51.4
6 II	67	53	21.2	377	10.4	49	66.5	52	20.8	136	11.1	53.3	65.5	53.5	21.4	99.5	11.9	55.7
6 III	68	54	21.6	371	10.1	46.5	66.5	52	20.8	135	10.9	52.5	68.5	54.5	21.8	97.5	11.4	52.3
7 I	73	60	24	365	9.7	40.3	66.5	52.5	21.0	140	11.8	56.2	71	57	22.8	90	9.73	42.7
7 I	71.5	57.5	23.0	315	7.25	31.5	71	56	22.4	125	9.35	41.7	73	58.5	23.4	81	7.9	33.7
8 I	70	56	22.4	322	7.56	33.7	72	57.5	23.0	120	8.64	37.5	71.5	57.5	23.0	85	8.7	37.7
8 II	71	56	22.4	312	7.1	31.7	74	59.5	23.8	110	7.26	32.7	74.5	59.5	23.8	80	7.7	32.3
8 III	73	58	23.2	315	7.25	31.2	74	59	23.6	115	7.95	33.6	74.5	59.5	23.8	82	8.1	34
9 I	68	53	21.2	340	8.42	39.8	71	56	22.4	125	9.35	41.7	72.5	58	23.2	86.5	9.0	38.7
9 III	70	55	22	327	7.8	35.4	71.5	57	22.8	120	8.64	37.9	73	59	23.6	83.5	8.38	35.4
12 II	62	46	18.4	321	7.52	40.8	70.5	56	22.4	130	10.5	45.2	73	58	23.2	87	9.1	39.2
12 III	73	60	24	312	7.12	29.7	72.5	58	23.2	112	7.5	32.5	74	59	23.6	80	7.65	32.5
14 III	71	56.5	22.6	346	8.72	38.6	71	56.5	22.6	125	9.4	41.5	64	49	19.6	79	7.5	38.3
16 II	70	55	22	345	8.7	39.5	71	57	22.8	128	9.8	42	64	49	19.6	79	7.5	38.3
16 III	71.5	57	22.8	325	7.7	33.7	73.5	59	23.6	112	7.5	31.8	70	55	22	75	6.75	30.7

$B^+ = 400$  Volts  
 Not quite tune down to 30 mc

RT-6 with 6BC5 reculator and toroid reculator  
 coil in high band.

TRANS No	3 Mc	6 Mc I	6 Mc II	7 Mc I	7 Mc II	8 Mc I	8 Mc II	8 Mc III	9 Mc I	9 Mc II	9 Mc III	11 Mc I	11 Mc II	14 Mc I	16 Mc I	16 Mc II			
EFFICIENCY %	1	57	64	61.4	66.3	3.8*			43.5	39.8	22	43			44	29			
	2	58	64.5	67.5	68	4.45*			44.4	42.8	24.6	45			46	33.8			
	3	61	66	70	66.8	46.1	50.5	48		51.5	51.5	44	54		53	49	44.4		
	4	26.7*	64.2	64.2	64.2	40.3	43.5	42.25	32.1	47	47	40	49	44.1	49	45.25	38		
POWER OUTPUT	1	11.8	14.1	14.7	13.8	0.96*			9.9	9.4	5.2	10.1			10.4	7.1			
	2	12.3	14.7	14.7	14.1	1.12*			10.1	9.9	6.0	10.4			10.65	8.4			
	3	12.9	15.0	15.35	14.4	10.7	11.5	10.9		11.25	11.25	10.4	12.3		12.3	11.75	10.7		
	4	6.2*	14.1	14.1	14.1	9.4	10.1	9.62	7.7	10.67	10.67	9.4	11.2	9.9	11.2	10.67	9.12		
Ea	1	84	92	94	91	24*			77	75	56	78			79	65			
	2	86	94	94	92	26*			78	77	60	79			80	71			
	3	88	95	96	93	80	83	81		84	84	79	86		86	84	80		
	4	61*	92	92	92	75	78	76	68	80	80	75	82	77	82	80	74		
Eg	1	20	20	20	20	-*			3	1.5	-	2.5			2	-			
	2	22	28	22.5	25	-*			6	2.5	-	4			3	-			
	3	23	26	23	19	18	12		18.5	14	5	12		11	5	2			
	4	26*	26	20	25	15	15	11	4	16	13	3	11	6.5	10.5	7	1.6		
Ip	1	52	55	55	52	63*			57	59	59	58			59	60			
	2	53	57	55	52	63*			57	58	60	58			59	62			
	3	53	57	55	54	58	57	57		57	57	59	57		58	60	61		
	4	58*	55	55	55	59	58	57	61	57	57	59	57	56	57	59	60		
I total	1	66	71	70	69	77*			74	75	75	74			75	75			
	2	70	72	71	68	78*			74	75	76	75			76	73			
	3	69	72	71	70	74	74	74		74	74	76	74		74	76	77		
	4	74	70	70	70	74	72	72	76	72	72	75	72	74	72	75	76		
POWER INPUT	1	20.8	22	22	20.8	25*			22.8	23.6	23.6	23.2			23.6	24.4			
	2	21.2	22.8	22	20.8	25.2*			22.8	23.2	24	23.2			23.6	24.8			
	3	21.2	22.8	22	21.6	23.2	22.8	22.8		22.8	22.8	23.6	22.8		23.2	24	24.4		
	4	23.2	22	22	22	23.6	23.2	22.8	24.4	22.8	22.8	23.6	22.8	22.4	22.8	23.6	24.0		

RT6XX MODIFIED

TRANSMITTER CONDITIONS: No. 1 OUT OF CASE - 6AG5 OSC. TUBE.

Eb = 400V

No. 2 OUT OF CASE - 6BC5 OSC. TUBE

PA 2E26

No. 3 OUT OF CASE - 6BC5 OSC. TUBE & TOROID COIL IN H.B. OSC.

RA = 600Ω

No. 4 IN CASE - 6BC5 OSC. TUBE & TOROID COIL IN H.B. OSC.

\* DOES NOT QUITE RESONATE.

IN CASE AFTER REDESIGNING OSC. (TOROID & SQUID) STAGE 1 PA. COILS (6AG5, 6BC5)

REMAINING OF POWER BY I<sup>2</sup>R METHOD

Ea MEASURED WITH G-R VTVM ACROSS Ra