

TECHNICAL INFORMATION

MODEL RAY

DESIGNED & BUILT BY
RADIO (1936) LTD.
QUAY ST. AUCKLAND

7V. BANDSPREAD
VIBRATOR

CIRCUIT	SUPERHETRODYNE
OPERATES FROM	6V. D.C.
CURRENT DRAIN	2.5 AMPS WITH PILOT LIGHTS ON
TUNING RANGE	B.C. 1600 KC'S TO 550KC'S SW. 13M TO 49M
INTERMEDIATE FREQUENCY	470 KC'S
AUDIO POWER OUTPUT	1.2 WATTS
SPEAKER	8" P.M. 15 K C.T. OUTPUT TRANSFORMER

DRAWN *R. J. Long* 19.5.50
CHECKED *A. J. Watkins*
APPROVED *R. J. Long* 29.5.50

VOLTAGE CHART

VALVE	PIN 1	PIN 2	PIN 3	PIN 4	PIN 5	PIN 6	PIN 7	PIN 8
1P5 GT	O	-2.6V.DC	86V. D.C.	86V D.C.	O	O	-4V D.C.	O
7S7	-6V. D.C.	120V. D.C.	120V. D.C.	-20V. D.C.	86V D.C.	-12V. D.C.	O	O
1P5 GT	O	-1.3V. D.C.	86V. D.C.	86V. D.C.	O	O	-2.6V.DC	O
1LD5	O	68V. D.C.	32V. D.C.	-1.3V. D.C.	O	-1.2V. D.C.	O	-1.3V. D.C.
6C5 GT	52V. D.C.	-6V. D.C.	76V. D.C.	120V. D.C.	50V. D.C.	O	O	54V. D.C.
6G6G	O	O	120V. D.C.	120V. D.C.	O	O	-6V. D.C.	5V. D.C.
6G6G	O	O	120V. D.C.	120V. D.C.	O	68V. D.C.	-6V. D.C.	5V. D.C.

NOTE : ALL MEASUREMENTS TAKEN WITH V.T. VM.

ALIGNMENT INFORMATION

	DUMMY ANT.	FREQUENCY	TRIMMER	APPROX. SENSITIVITY
I.F.	.1μf COND.	470 KC'S	IRON CORE	70 μV
R.F.	STANDARD	400, 1000, 600Kc	T ₁ T ₂ T ₃	12 μV
		49 M	T ₄ T ₅ T ₆	
		31M - 41M	T ₇ T ₈ T ₉	
		25 M	T ₁₀ T ₁₁ T ₁₂	
		13M - 19M	T ₁₃ T ₁₄ T ₁₅	