

A.F. UNIT.

EQUIPMENT USED.
AVO METER MODEL 7.

CONDITIONS (UNLESS OTHERWISE STATED)

1. A.F. & R.F. GAIN CONTROLS MAX.
2. SIGNAL INPUT ZERO.
3. BANDWIDTH 3K^cs.
4. D.C. INPUT VOLTS. PL. 30I/2. 250V.
PL. 30I/4. 350V.

CIRCUIT POINT NO.	METER		REMARKS.
	RANGE VOLTS	READING VOLTS	
27	400	91	
	400	2.40	BANDWIDTH SW. 200 ^c s.
28	400	133	
29	10	3.38	
	10	3.57	BANDWIDTH SW. 200 ^c s.
30	400	93	
31	400	61	
32	10	1.72	
33	400	337	
34	400	307	
35	100	19.3	

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EQUIPMENT USED.
AUDIO OSCILLATOR
SIGNAL GENERATOR (MARCONI TF144G)
OUTPUT POWER METER (MARCONI TF340)

CONDITIONS.

1. D.C. INPUT VOLTS. PL. 20I/C. 150V.
PL. 20I/D. 350V.
PL. 20I/H. 250V.
2. R.F. & A.F. GAIN CONTROLS MAXIMUM A.G. C. OFF.
BANDWIDTH 3K^cs.
3. SIGNAL GENERATOR 30% MODULATED AT 400^cs.
4. R.F. & I.F. INPUT FED VIA A 0.1 μ F CAPACITOR.
5. INPUT TO A.E. CIRCUIT VIA 80 Ω MATCHED PAD (20dB)
6. OUTPUT MEASURED AT 600 Ω LOUDSPEAKER JACK.

CIRCUIT POINT NO.	INPUT FOR OUTPUT OF 500 m W	INPUT FOR OUTPUT OF 2 W	REMARKS.
36	0.23 VOLTS	0.46 VOLTS	FREQUENCY 400 ^c s.
	0.14 VOLTS	0.29 VOLTS	FREQUENCY 1000 ^c s.
37	2.6 VOLTS	5.2 VOLTS	FREQUENCY 400 ^c s.
	2.6 VOLTS	5.2 VOLTS	FREQUENCY 1000 ^c s.
38	11.0 VOLTS	22.5 VOLTS	FREQUENCY 400 ^c s.
	8.75 VOLTS	18.75 VOLTS	FREQUENCY 1000 ^c s.
39	354 μ VOLTS	690 μ VOLTS	FREQUENCY 800 K ^c s.
40	3.6 m VOLTS	7.6 m VOLTS	FREQUENCY 800 K ^c s.
41	109 m VOLTS	207 m VOLTS	FREQUENCY 800 K ^c s.
42	246 μ VOLTS	523 μ VOLTS	FREQUENCY 800 K ^c s.
43	0.3 μ VOLTS	0.6 μ VOLTS	FREQUENCY 118 K ^c s.
	0.32 μ VOLTS	0.65 μ VOLTS	FREQUENCY 344 K ^c s.
	0.2 μ VOLTS	0.4 μ VOLTS	FREQUENCY 2.91 M ^c s.
	0.6 μ VOLTS	1.15 μ VOLTS	FREQUENCY 8.8 M ^c s.
1	0.85 μ VOLTS	1.8 μ VOLTS	FREQUENCY 21 M ^c s.
	155 μ VOLTS	231 μ VOLTS	FREQUENCY 118 K ^c s.
	31.0 μ VOLTS	43.0 μ VOLTS	FREQUENCY 344 K ^c s.
	27.0 μ VOLTS	55.0 μ VOLTS	FREQUENCY 2.91 M ^c s.
4	23.0 μ VOLTS	44.0 μ VOLTS	FREQUENCY 8.8 M ^c s.
	—	68.0 μ VOLTS	FREQUENCY 21 M ^c s.
	42 μ VOLTS	92 μ VOLTS	FREQUENCY 118 K ^c s.
	10.8 μ VOLTS	23 μ VOLTS	FREQUENCY 344 K ^c s.
13	12.7 μ VOLTS	24.8 μ VOLTS	FREQUENCY 2.91 M ^c s.
	27.0 μ VOLTS	50.0 μ VOLTS	FREQUENCY 8.8 M ^c s.
	—	130 μ VOLTS	FREQUENCY 21 M ^c s.
13	124 μ VOLTS	206 μ VOLTS	FREQUENCY 800 K ^c s.

SENSITIVITY FIGURES REFER TO OPEN CIRCUIT SIGNAL GENERATOR VOLTS EXCEPT FOR AERIAL INPUT FIGURES WHICH ARE CORRECTED TO ALLOW FOR USE OF 20 dB PAD.

ABOVE FIGURES ARE INTENDED ONLY AS A GENERAL GUIDE TO THE STAGE GAINS AND VARIATIONS ARE TO BE EXPECTED BETWEEN UNITS.

AP 100335 RECEIVER H.F. M.F.
CIRCUIT DIAGRAM (SHEET 4).
TYPICAL VOLTAGE & SENSITIVITY READINGS.