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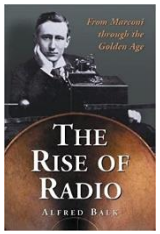
These books might be of interest of you:

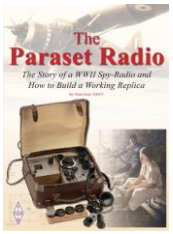
Hello, Everybody! The Dawn of American Radio

Long before the Internet, another young technology was transforming the way we connect with the world. At the dawn of the twentieth century, radio grew from an obscure hobby into a mass medium with the power to reach millions of people.



The Rise of Radio, from Marconi through the Golden Age

As the dominant form of electronic mass communication in the United States from the 1930s into the 1950s, radio helped to forge a modern continental nation. It fused myriad subcultures heavily rural, ethnic, and immigrant into a national identity, unifying the nation in the face of the Depression and war.



The Paraset Radio: The Story of a WWII Spy-Radio and How to Build a Working Replica

This book describes the gripping story behind the Paraset – a unique spy-radio, dropped behind enemy lines in the dark days of WWII. This radio being both light weight and state of the art for the time was concealed in a suitcase, making ideal for use by the spies of SOE.

Click **here** for further information.

5. The relationship between the minimum input power and freqency range in order to measure SWR by Model FSI−5 is as follows.

Frequency (MHz)	The Minimum Input Power (watts)
3.5	15
7	7.5
14	4
21−28	2
50−150	1

RF Power Measurement

1. Connect correctly Model FSI−5, transmitter and antenra.
2. The center dial of Model FSI−5 is the level dial to fix the relationship between the frequency range and the measuring power. According to the used frequency, fix the dial position referring to the below tables. There are two tables, one is for the 50 ohm line impedance and another for the 75 ohm line impedance. So, select either one according to the output impedance of transmitter.

Table 1. 50 ohm line — at SWR 1~1.5

Freq. MHz	POWER METER FULL SCALE VALUE											
	1W	5W	10W	25W	50W	100W	150W	200W	250W	300W	500W	1 KW
3.5	—	—	—	—	—	9.4	9.2	9.0	8.9	8.8	8.5	7.8
7	—	—	—	—	9.1	8.7	8.5	8.2	7.9	7.7	7.0	5.7
14	—	—	9.2	8.8	8.1	7.4	6.9	6.3	5.7	5.5	4.0	—
21	—	9.2	9.0	8.4	7.2	5.9	5.1	4.3	3.4	2.6	—	—
27	—	9.0	8.7	8.0	6.5	4.9	3.4	—	—	—	—	—
28	—	9.0	8.7	7.9	6.4	4.8	3.3	—	—	—	—	—
50	9.2	8.3	7.4	6.1	3.5	1.0	—	—	—	—	—	—
144	8.4	5.8	3.9	—	—	—	—	—	—	—	—	—
Scale reading	100W	500W	100W	50W	50W	100W	50W	100W	50W	100W	50W	100W
Multiple X	1/100	1/10	1/10	1/2	1	1	3	2	5	3	10	10

Table 2. 75 ohm line — at SWR 1~1.5

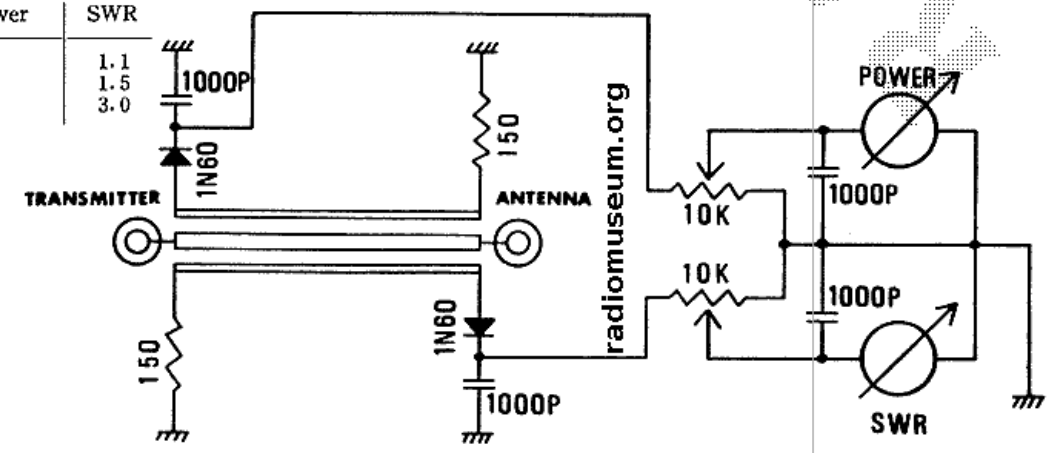
Freq. MHz	POWER METER FULL SCALE VALUE											
	1W	5W	10W	25W	50W	100W	150W	200W	250W	300W	500W	1 KW
3.5	—	—	—	—	—	9.8	9.4	9.3	9.2	9.1	9.0	8.6
7	—	—	—	—	9.2	8.9	8.5	8.3	8.0	7.9	7.3	5.9
14	—	—	9.2	8.9	8.1	7.2	6.5	5.8	5.4	4.8	3.0	—
21	—	9.3	8.8	8.0	7.1	5.7	4.4	3.5	2.7	1.5	—	—
27	—	9.1	8.5	7.5	6.4	4.6	2.5	—	—	—	—	—
28	—	9.0	8.4	7.4	6.3	4.5	2.5	—	—	—	—	—
50	9.6	8.7	8.0	6.5	4.8	1.8	—	—	—	—	—	—
144	8.3	5.2	2.1	—	—	—	—	—	—	—	—	—
Scale reading	100W	50W	100W	50W	50W	100W	50W	100W	50W	100W	500W	100W
Multiple X	1/100	1/10	1/10	1/2	1	1	3	2	5	3	10	10

3. Turn the output of transmitter on. POWER Meter swings and its indication shows the power when the frequency and the measuring range are set by the level dial. POWER Meter is scaled for both 50 watts and 100 watts. Use either scale according to the Table 1 or Table 2.
4. POWER Meter indicates the travelling wave power, so the correct output of antenna cannot be measured if SWR is too high. Measure after you confirm the SWR figure is less than 1.5.
5. SWR measurement cannot be done when you measure RF power.

CAUTION

1. Never disconnect the the connecter of Model FSI−5 leading to antenna when transmitter is on. Model FSI−5 may be burned and spoiled.
2. Sometimes abnormal voltage is found at a certain place of the feeder when transmitter and antenna circuit are mismatching. Do not connect Model FSI−5 in such a case. The safety limit of Model FSI−5 from the view point of transmitting power and SWR figure is shown in the below Table. Cut off the output power of transmitter immediately and do not use Model FSI−5 when the shown figure is exceeded.

Transmitting Power	SWR
1kW	1.1
500kW	1.5
300kW	3.0



SCHEMATIC OF MODEL