OPERATION MANUAL

Model CF-30MR, 50MR

High Grade Low-Pass Filter for BCI, TVI.

** Features :

1. Attractive attenuation charactors at high frequency.
2. High power transmission is acceptable for 500W CM.
3. Finest 9 filters realized extremely low insertion loss.
4. Superior band-pass charactors to prevent interruption and interference.

Specifications :

Band Pass Frequency	: -30MHz (54MHz)
Impedance	: 50 ohm
Attenuation	: As shown on Fig. 1
V.S.W.R.	: Less than 1.2
Max Power	: 500W CW, 1KW PEP
Connector	: M-type
Weight	: 800 g
Measurement	: 250W x 66D x 64H

** How to use CF-30MR, 50MR, examples

A) As Fig. 2 shows, the filter is used between transceiver out-put circuit and antenna.
B) Fig. 3 showing the use of filter at outside of transmitter.
a - b length should be within 1 meter.
C) Can also be used at the inside of transmitter, as shown on Fig. 4.
D) Combination with Antenna Coupler, as shown in Fig. 5.
E) Fig. 6 showing combination with Linear Amplifier.

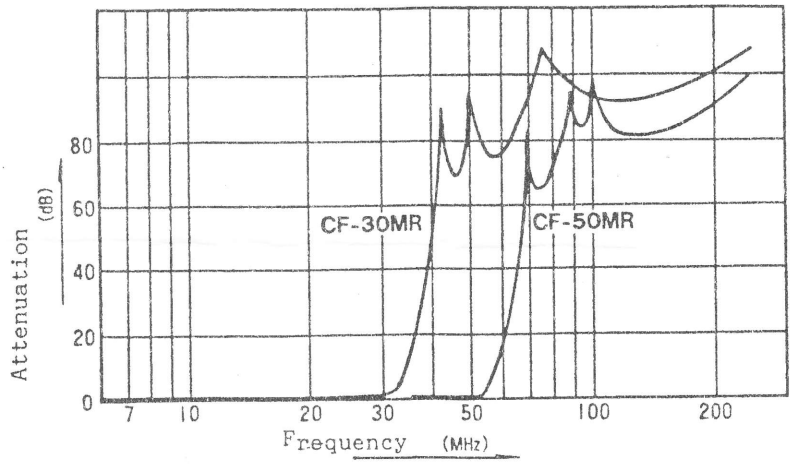

Fig. 1

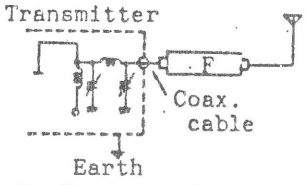

Fig. 2

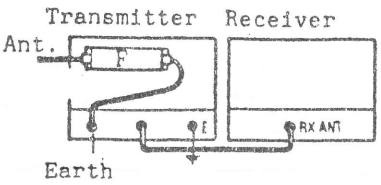

Fig. 4

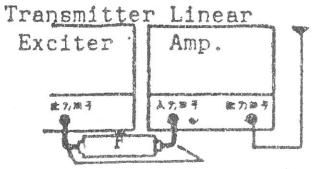

Fig. 6(a)

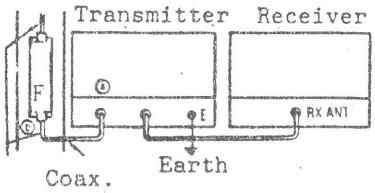

Fig. 3

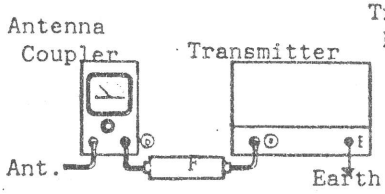

Fig. 5

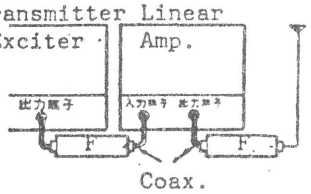

Fig. 6(b)

Remarks :

* Matching between transceiver and antenna is to be well balanced, within VSWR of less 2.0, using your SWR meter.
* Transceiver is to be grounded completely.
* TVI, BCI will happen at various occasions. If the filter cannot prevent TVI, BCI sufficiently, another proper method for prevention is to be studied at the same time.
* The filter is developed only for indoor use, and not for the out-door use.