ENDFEDZ EF-80
80M END FED DIPOLE

PARTS LIST

Part Number	QTY	Description
Sub3501	1	80 Meter EF-Matchbox
350	1	80 Meter Radiator 135Ft.
1409	1	End Insulator
14417	1	#10 Split Ring Lockwasher
2814	1	#10 Stainless Hex Nut
2815	2	#10 Stainless Flat Washer
32767	1	Shipping Box
355	1	EF-80 Manual
356	1	Tuning Stub

ENDFEDZ ARE MONO BAND MATCHED ANTENNAS. THEY WILL NOT REQUIRE A TUNER– TAKE THE TIME TO ADJUST THE ANTENNA.

USE ON BANDS OTHER THAN THE DESIGN BAND WILL RESULT IN SIGNIFICANT COAX RADIATION AND MAY RUIN THE MATCHBOX

ASSEMBLY

1. This antenna is essentially a half wave dipole with one important difference– the feedline is at the end of the antenna. The antenna is suspended at its ends by the two included end insulators– one of which is integral to the matchbox.
2. Remove the tuning stub from the end insulator and set it aside– you will not likely require its use.
3. In order to have the least possible influence on the antenna, insulated lines are recommended for attachment to the insulators. The antenna may be suspended horizontally, vertically or sloping. Portable operation is easily accomplished by suspending the far end from a tree limb and letting the matchbox hang just above the ground.
4. The antenna has been used from hotel rooms by hanging the matchbox end just outside the window and letting the far end hang, or preferably pulling it away from the building with a guy attached to the end insulator.
5. Tuning is best accomplished by using an antenna analyzer attached to far end of the coaxial cable that will be used with the antenna. Once the initial resonant frequency is established, the antenna may be tuned just like a Dipole. Due to narrow band width of 80 meters, the Par Endfedz will require to match one of two ways (CW or SSB). We have pre-tuned the MatchBox for 3750 MHZ at a bandwidth of 130 KHZ. If you wish to use your antenna on the CW portion of the band you will most likely use the full length of wire supplied with the antenna. If using SSB, you will need to shorten down to approximately 125ft.

   NOTE: If you shorten too much use the extra tuning stub supplied with the antenna. The above measurements are dependent on height of antenna, so several readings with the analyzer maybe required.

6. Once you are satisfied with the overall length of the radiator, Lace the radiator through all three holes as shown in Fig 1.
7. Fig. 2 illustrates some mounting ideas.

Figure 1

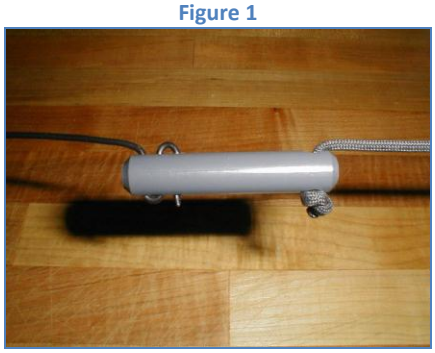
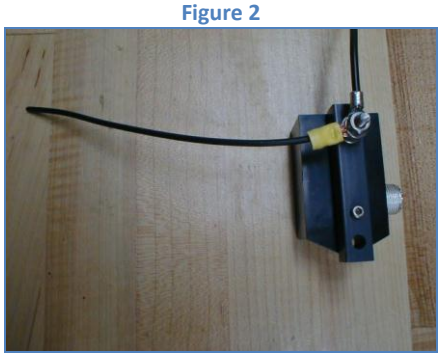
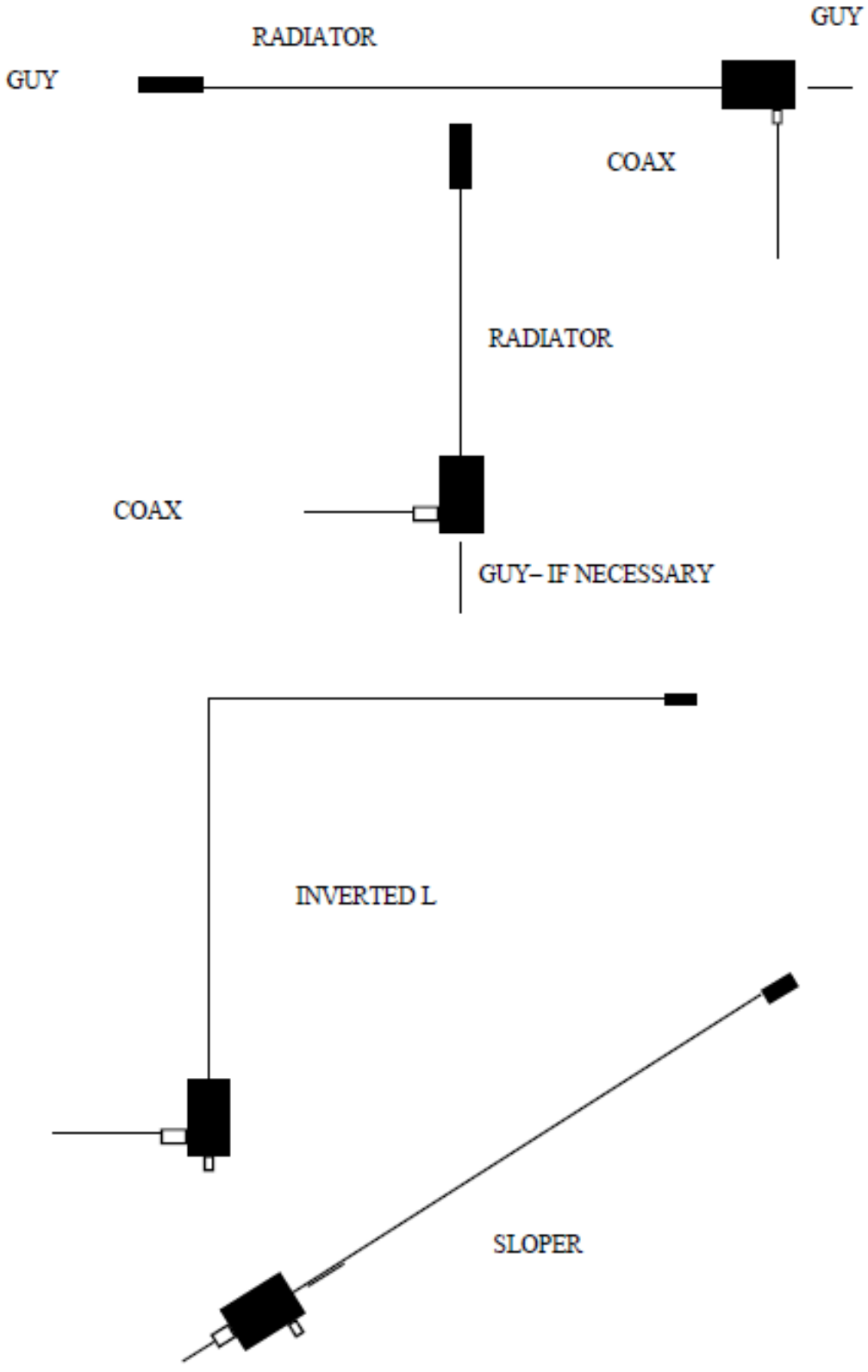
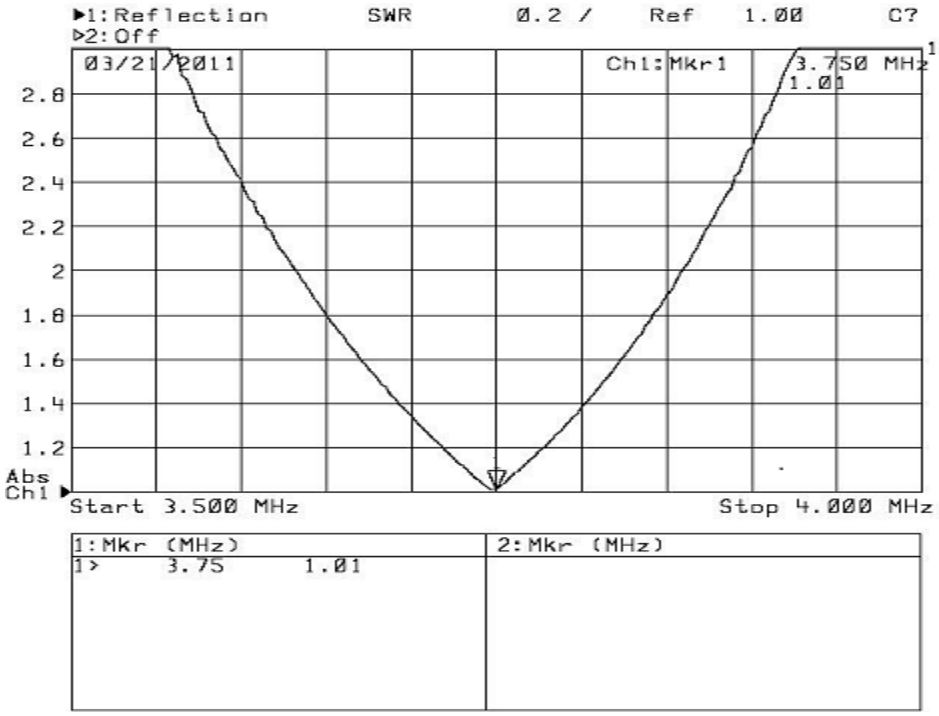


Figure 2




GUY
RADIATOR
GUY
COAX
RADIATOR
COAX
GUY– IF NECESSARY
INVERTED L
SLOPER



Typical VSWR Plot

SPECIFICATIONS

Polarity:	Depends on Mounting Configuration
Design Z:	50 Ohms
VSWR Bandwidth:	130 KHz @1:5 or less
Power Handling:	100 Watts
Weight:	.75 lbs
Length:	135’
Hardware:	Stainless Steel
Connector:	Silver/Teflon SO-259
Radiator:	#18 Black Polycoated Stranded Copper Clad RF Connections

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