Antenna Mount Adapter, U.S. Patent 6,348,899 B1

ANTENNA CROSSARM BOOM

- **SWR Data 1**
- **SWR Data 2**

U.S. Patent#6,348,899 B1

With 4-ft. or 2m(78-3/4") lengths and designed for mast or tower,static or marine mountings, this boom fits the bill1 Unique structural platform mounts four magnetic- base mount antennas out and away from mast or tower.

Four Foot Steel with four different antennas. Other uses include a versatile Meterological sensor platform, surveillance camersas and supports for Photographic and studio lighting.

Stacked arrays have multiple Military applications: amphibious operation voice and code communications plus RDF.

INTRODUCTORY PRICE LIST

1) FOUR FOOT STEEL/GOLD ZINC (small 4" pads)9.4#.....

2) FOUR FOOT STEEL/GOLD ZINC (large 5" pads 9.6#.....

3) FOUR FOOT ALUMINUM/GREY(large thin 5"pads)4.7#....

4) TWO METER AL(78/3/4") Grey(large thin 5"pads).7.5#.....

5) TWO METER AL(78-3/4) Grey(large thick 5"pads)9.8#.....

6) TWO METER STAINLESS STEEL(small thick 4"pads)2.03#

The 2 meter grey Aluminum crossarm/boom has two matched sets of magnetic base-to-magnetic base vertically oriented, effectively doubling the wavelength into a center-fed dipole. The antennas on the left are both MFJ 1432 2 meter - 440 MHz dual banders. On the right is a pair of Radio Shack's All Band Magnetic Mount Scanner Antennas 25-1300 MHz, transmit on 6/2/440cm Ham Bands.

MFJ dual banders (one vertical pair)

MHz	SWR	MHz	SWR
141.0	1.8	436.0	1.1-1.0
142	1.5	437	1.1
143	1.2	438	1.3
144	1.1	439	1.2
145	1.1	440.0	1.1-1.0
146	1.3	442	1.5
147	1.6	443	1.7
148	1.6	444	1.4
149	1.3	445	1.1
150.0	1.1	446	1.3
151	1.1-1.0	447	1.8
152	1.1	448	2.1
153	1.3	449	1.8
154	1.8	450.0	1.4
		451	1.2
168.0	1.5	452	1.4
169	1.8	453	1.9
		454	1.6
409.0	2.0	455.0	1.2-1.0
410	1.9	456	1.0
411	1.4	457	1.3
412	1.3	458	1.5
413	1.5	460	1.3-1.0
414	1.9	461	1.6
415	1.9	462	2.0
416	1.6	463	2.1
417	1.1-1.0	464	1.5
418	1.3		
419	1.4		
420	1.2-1.0		
421	1.0		
422	1.5		
423	2.0		
424	1.7		
425	1.2-1.1		
426	1.3		
427	1.5		
428	2.1		
429	2.1		
430.0	1.5		
431	1.2		
432	1.3		
433	1.5		
434	1.5		
435.0	1.3		