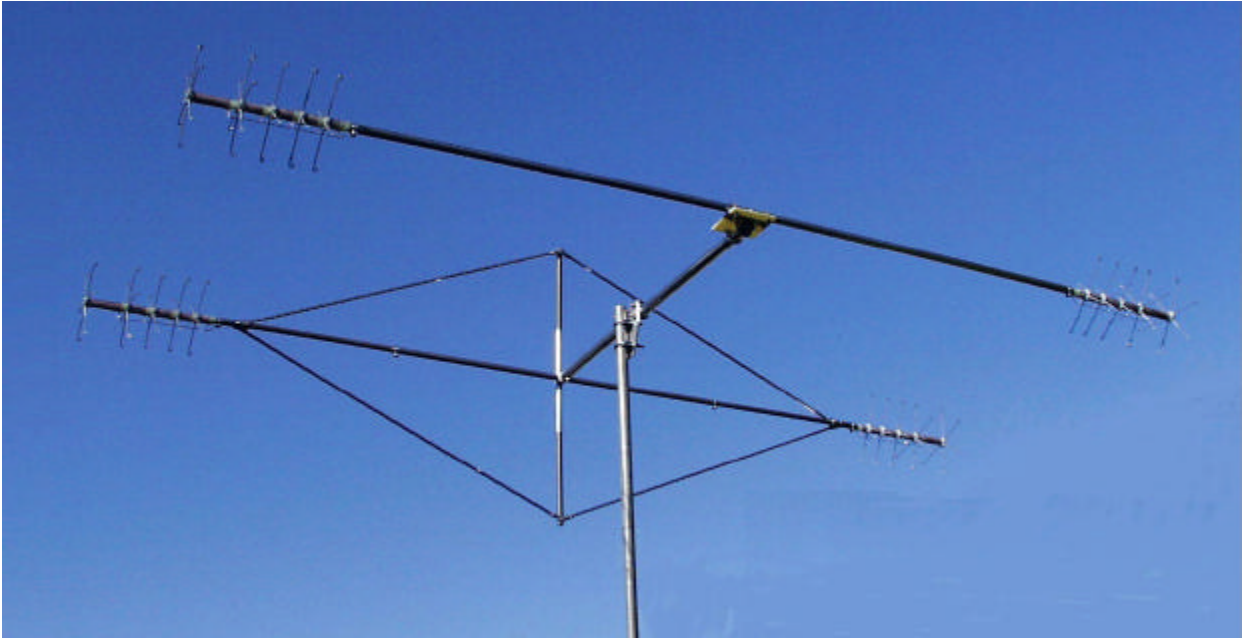


# T.G.M. Communications

**MQ-26** *Five Band Hybrid Quad Antenna* ..... 10,12,15,17,20 Meters  
Can be used on six meters with an antenna tuner.



## **Mechanical Specifications**

Element length- 11 feet 9 inches  
Boom Length- 4 1/2 feet  
Turning Radius- 7 feet 1 in.  
Weight- 16 lbs.  
Mast (not inc'l)- up to 2 1/8 in.  
Wind Loading- 1.6 sq. feet  
Overall Quad  
Reflector Height- 48 in.  
Wind Survival- 75 MPH  
Rotor- Heavy duty TV

## **Electrical Specifications**

Operating Bands- 6,10,12,15,17,20 Meters  
Forward Gain (Ref. Dipole)- 6M-6.5db., 10M-6.0 db.,  
12M-5.8db,15M-5.5 db., 17M-5.0db,20M-4.4 db.  
Front to Back Ratio- 12 to 17 db.  
Power Rating- 1500 Watts P.E.P.  
Input Impedance-Single 50 OHM Feedline  
Materials-6061-T6 aluminum, Lexan,  
Materials-G12 Fiberglass coils, Stainless  
Steel hardware, except large mast U'bolts.

**T.G.M. Communications**

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Web Site--- <http://www.tgmcom.com>

# Miniature Five Band Hybrid Quad Antenna

Most antennas are large heavy structures requiring heavy duty structures, rotors and lots of extra muscle during installation and lots of extra dollars before the job is done.

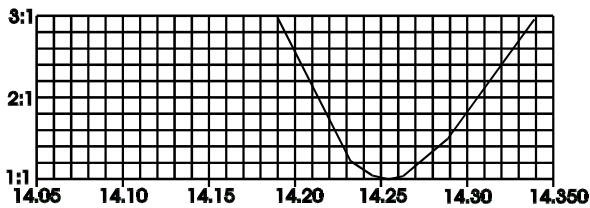
We believe this Hybrid to be the ultimate in a six band two element antenna, with a reflector design which results in a unique super hi-performance radiating system. The loading coils are made of strong low loss fiberglass forms, using aluminium hubs and easily replaced aluminium spokes.

This principle of loading contains no magic whatsoever, by simply reducing the element length by eliminating the least useful portion, the ends, and retain the center which is the primary current or radiating portion, that plus a super Hi-Q Reflector diamond shape for maximum signal capture, and properly phased, puts all your signal out front where it does the most good.

Performance is excellent- low SWR, low radiation angle, broad band, excellent gain and a front to back ratio far better than most two element beams on the market today.

The Hybrid Quad is a sensible designed, built from high quality materials and mounts with standard TV hardware and rotor. It's small size gathers very little ice and wind which allows you to spend more time on the air, not in the air. Try this Hybrid-Quad, you'll be amazed.

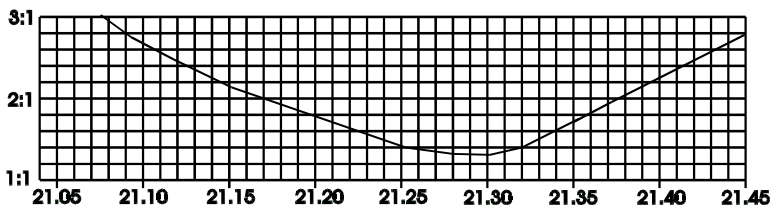
## SWR vs FREQUENCY FOR MODEL MQ-26



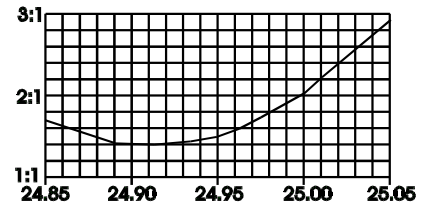
**20 METERS**



**17 METERS**



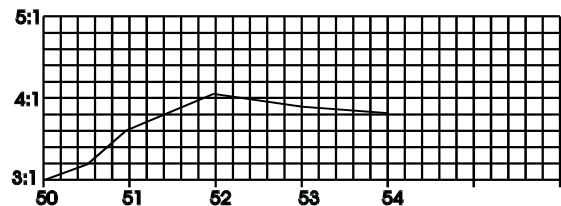
**15 METERS**



**12 METERS**



**10 METERS**



**6 METERS**

**NOTE: Above curves typical -Resonance may be adjusted up or down.**