

By I2PKW

PKW Antenna System
Instructions manual

THF2e Warc

Beam Antenna

18-24 MHz

12-17 Meters

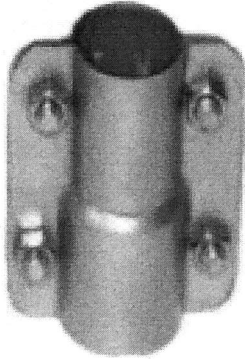
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Technical characteristics

Model.....	THF2e Warc
Frequency.....	18-24 MHz
SWR	1:1,1
Gain	4,5 dBd
F/rear.....	24 dB
F/back.....	15 dB
Power adm.....	2 Kw p.e.p.(1 Kw cw)
Connection.....	SO239 50 Ohm
Balun 1:1 50 Ohm.....	(optional)
Wind loading.....	100 Mph
Boom length.....	2,10 meters
Reflector length.....	7,05 meters
Diam.mast adm.....	50 mm.
Diam.elements.....	30/25/10 mm.
Alloy.....	Anticorodal
Accessory & screws.....	inox stainless
Weight.....	12 kg.

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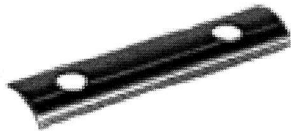
THF2e Warc parts



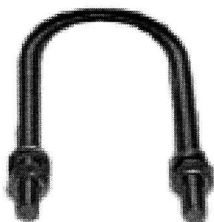
n°8 Inox clamps 30/25 mm.



n°2 Plastic supports



n°2 Inox piasters

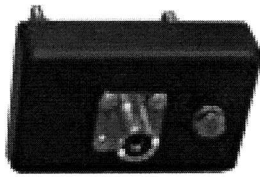


n°2 Inox U-bolt (long)

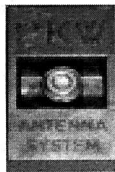
n°6 Inox U-bolt (short)

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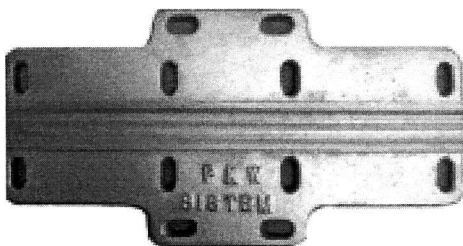
THF2e Warc parts



n°1 SO239 box*
*(not included, when 1:1 balun)



n°4 PKW clamps



n°1 Aluminium piaster "serie corta"



n°1 Diam.50mm. boom 2,10 mt.



n°1 Diam.30mm. section 2,40 mt.



n°1 Diam.30mm. support 1,00 mt.

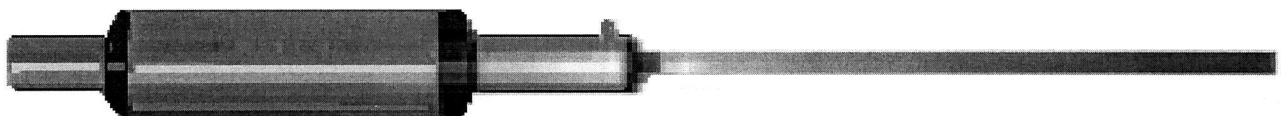


n°2 Diam.30mm. section 1,20 mt.



n°2 Diam.25mm. section 1,90 mt.

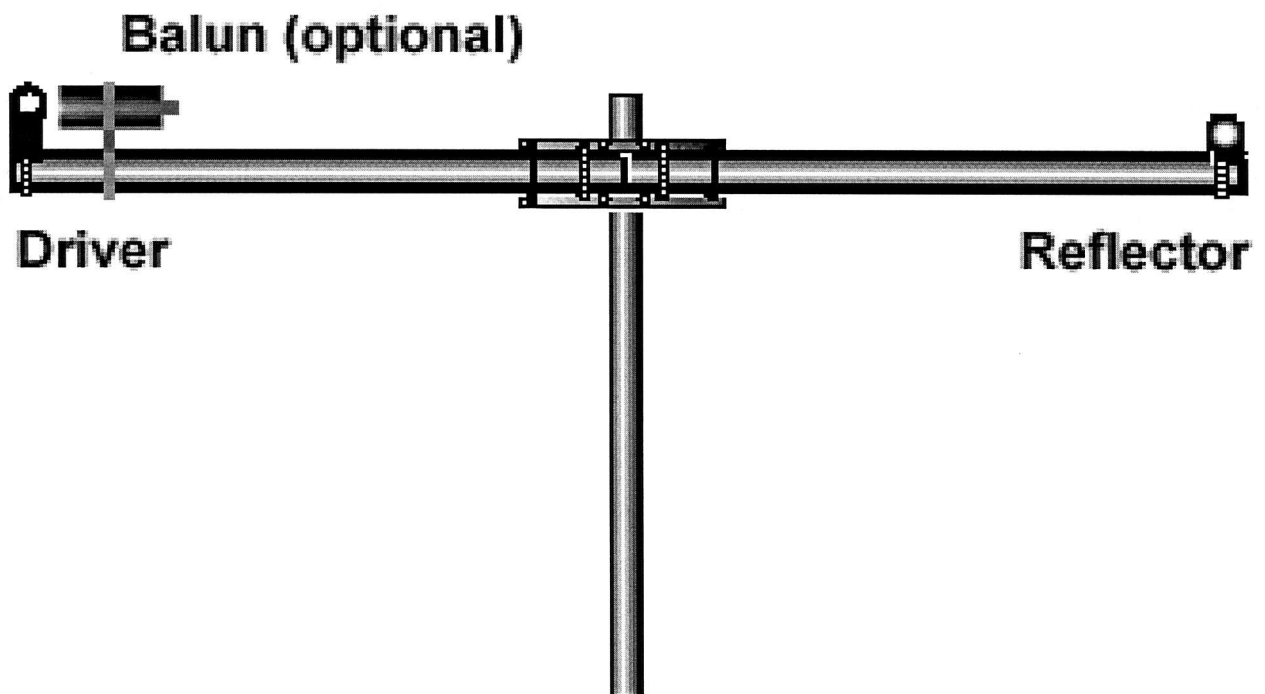
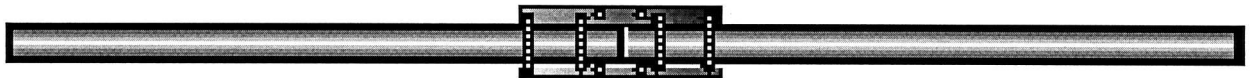
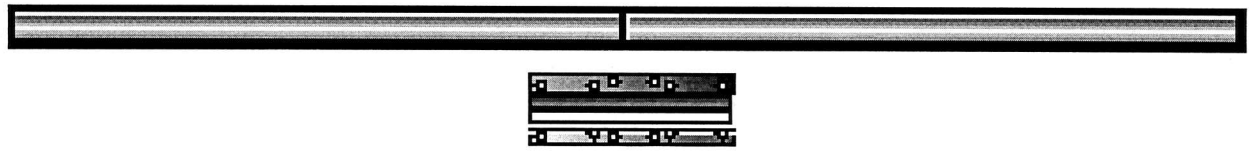
n°2 Diam.25mm. section 1,60 mt.



n°4 traps / terminals 10mm. included

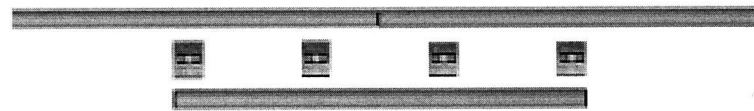
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Boom assembly

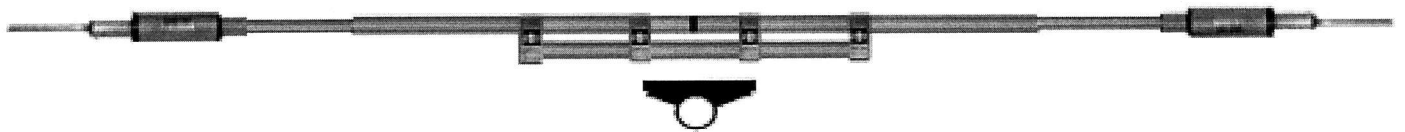


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Elements assembly



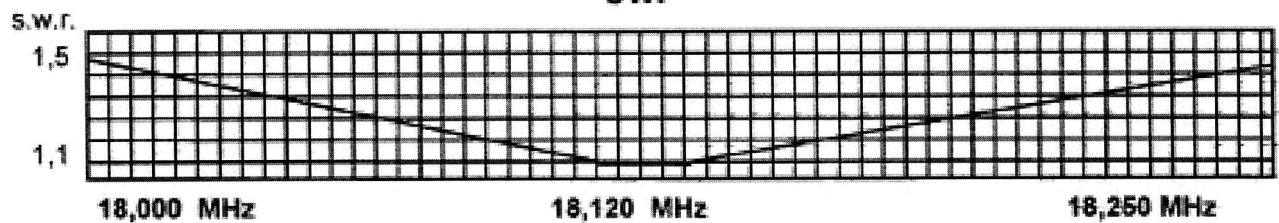
radiatore/driver



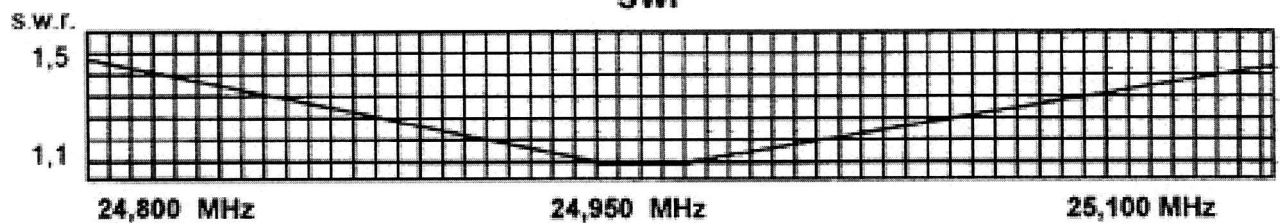
Riflettore



SWR



SWR



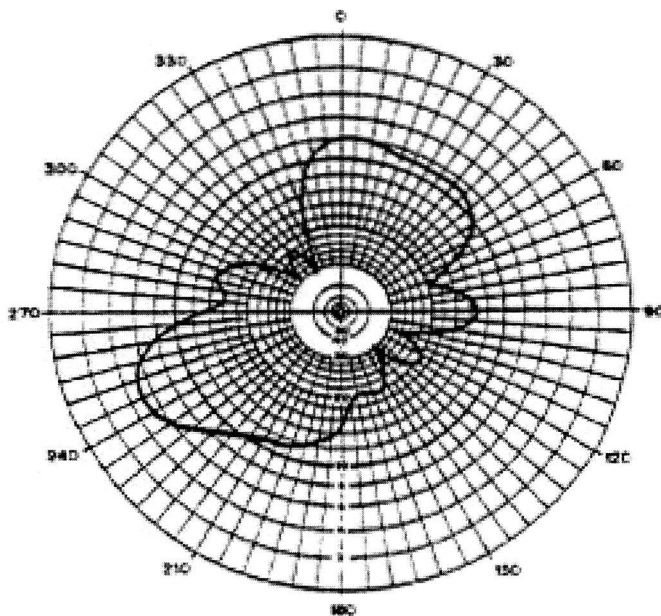
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Balun 1:1 - 50 Ohm

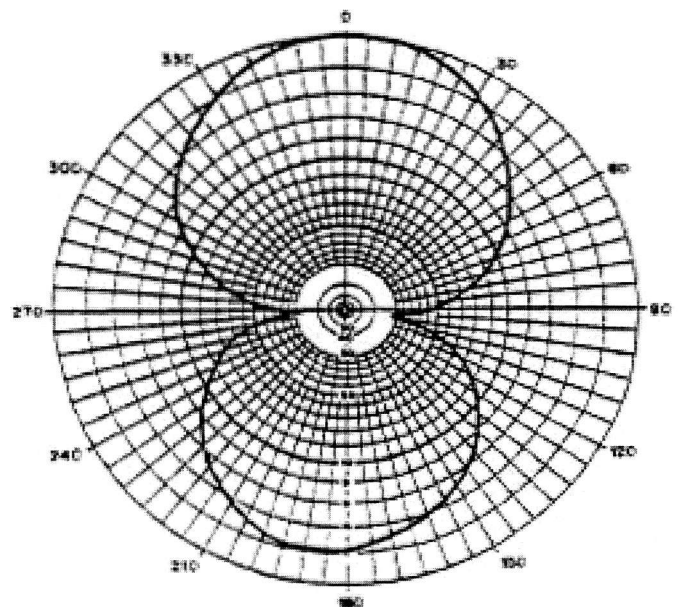
14-18-21-24-28 Mhz



Radiation pattern without 1:1 Balun

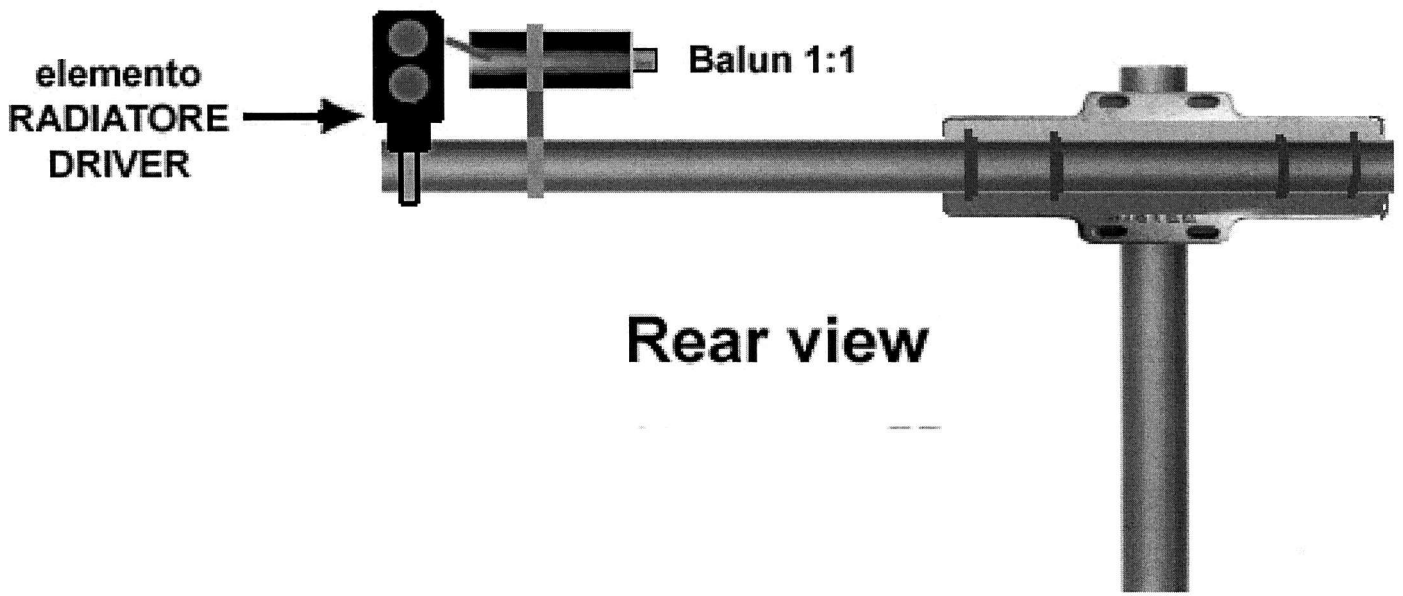
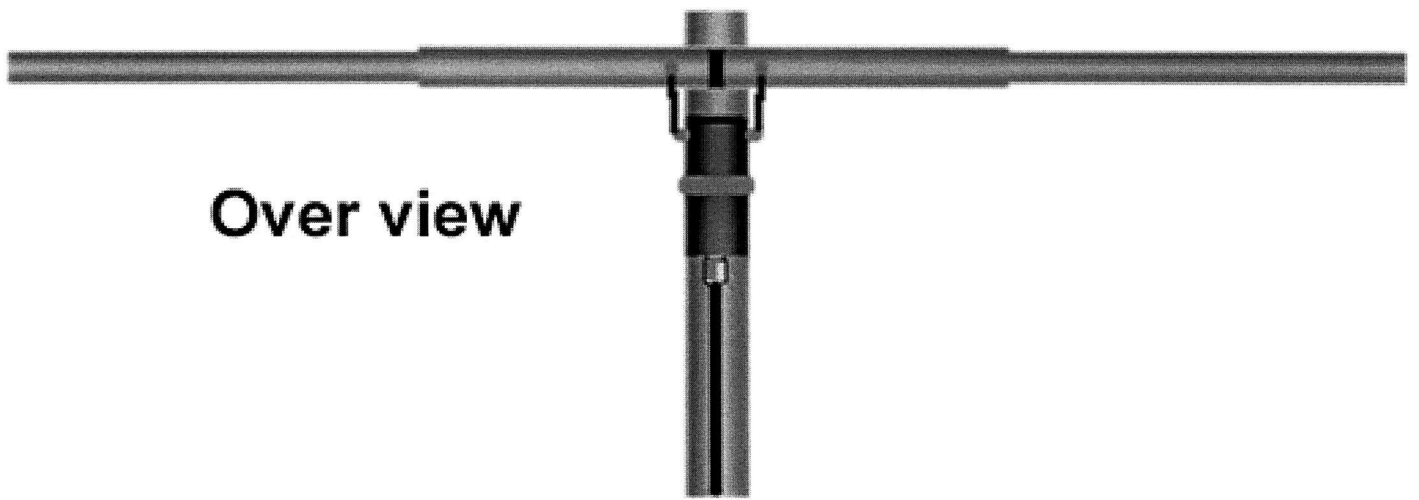


Radiation pattern with 1:1 Balun



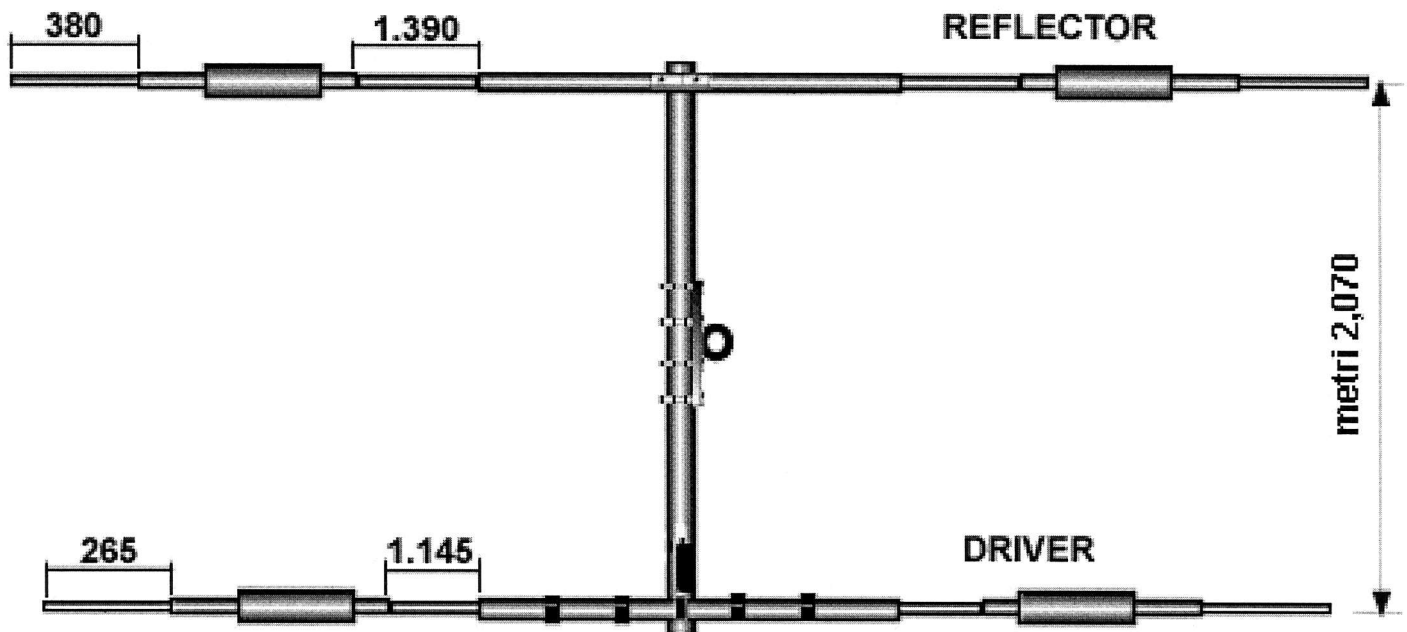
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1:1 balun assembly

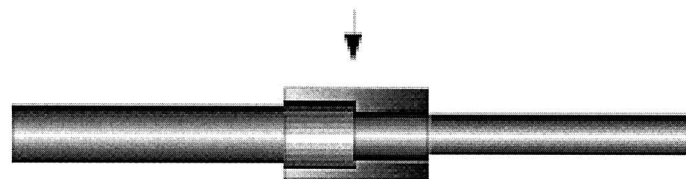


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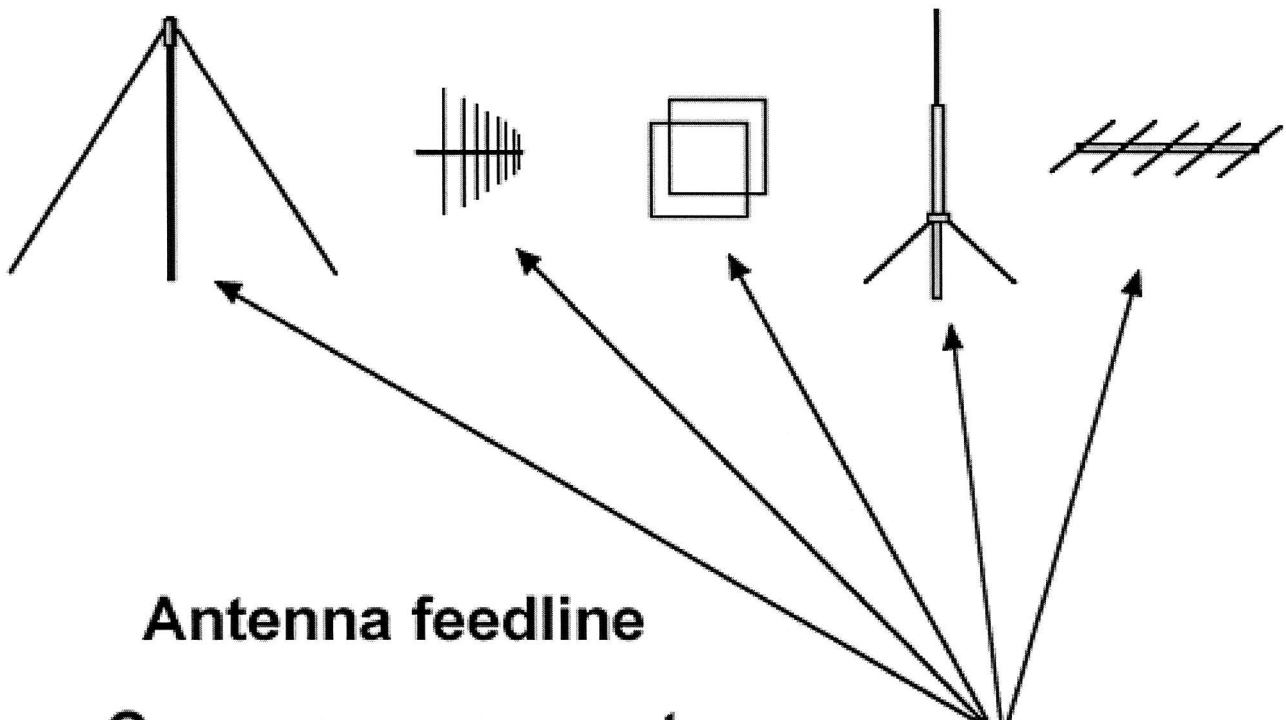
THF2e Warc



Warning!
measurement
point is at
the centre!



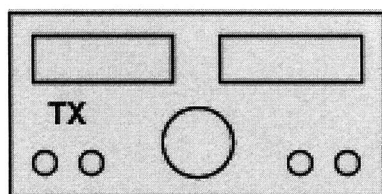
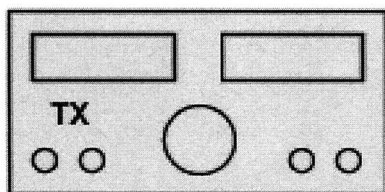
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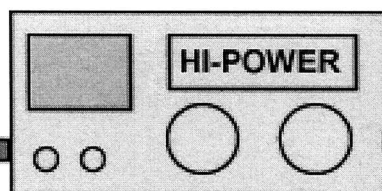
Antenna feedline

**Coax measurement
RG213/U (0,66/m)**

mt. 15,900
23,850
31,800
39,750



metri 1,360



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