

# **IQ2MI 500kHz beacon**

**Antenna: vertical antenna with capacitive toploading**



**The capacitive toploading is 60 meter long, 3 spaced 2.5 mm<sup>2</sup> PVC insulated wire, the vertical section is about 16 meter high, same wire. The measured system resistance is about 25 ohm, including radiation resistance, coil loss and ground loss.**





# Transmitter

QRP transmitter, power output is about 0.4 watt. The estimated ERP is about 0.025 watt.  
CW ID is IQ2MI, in normal CW followed by QRSS3. The Locator is JN45NL  
QRG is 501.306 kHz, xtal controlled.

## The 500 kHz team is tuning the loading coil



From left: I2FGT Giulio, IK2PII Claudio, IZ2JGB Giorgio



The loading coil with the testing equipment K2155  
(D2155 selective level meter + tracking generator) and the home made resistance bridge.