

# **Mt Washington 10 GHz Beacon Update**

**10.368400 GHz  
Callsign W1RJA/B**

**On Air 9/30/2013**

# The cast of characters

Tom, W1EX

Paul, W1IMD

Paul, W1GHZ

Don, W1FKF

Dave, K1WHS

Mike, N1JEZ

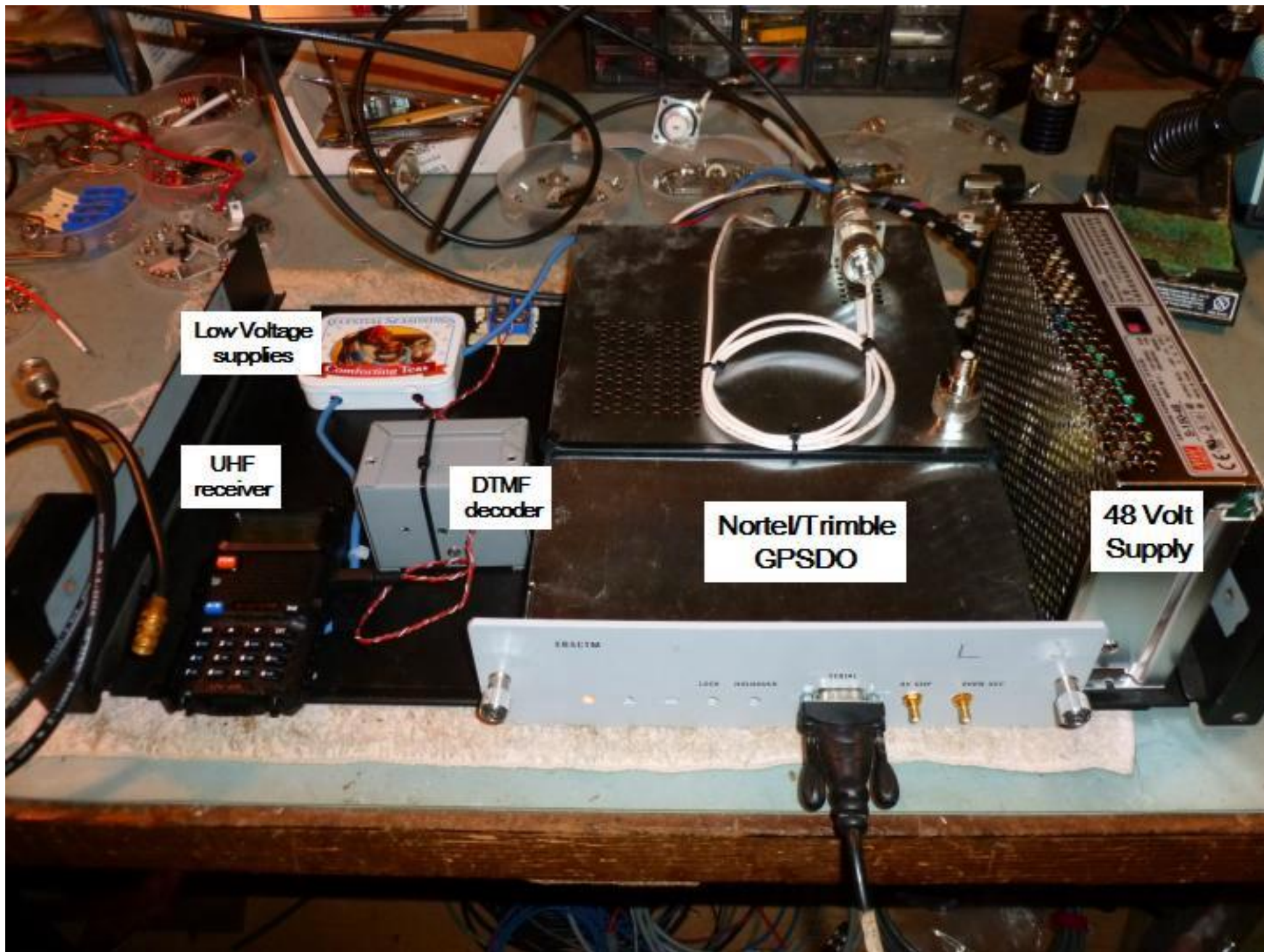
Beagle Ba1ley (chick magnet)











Low Voltage  
supplies

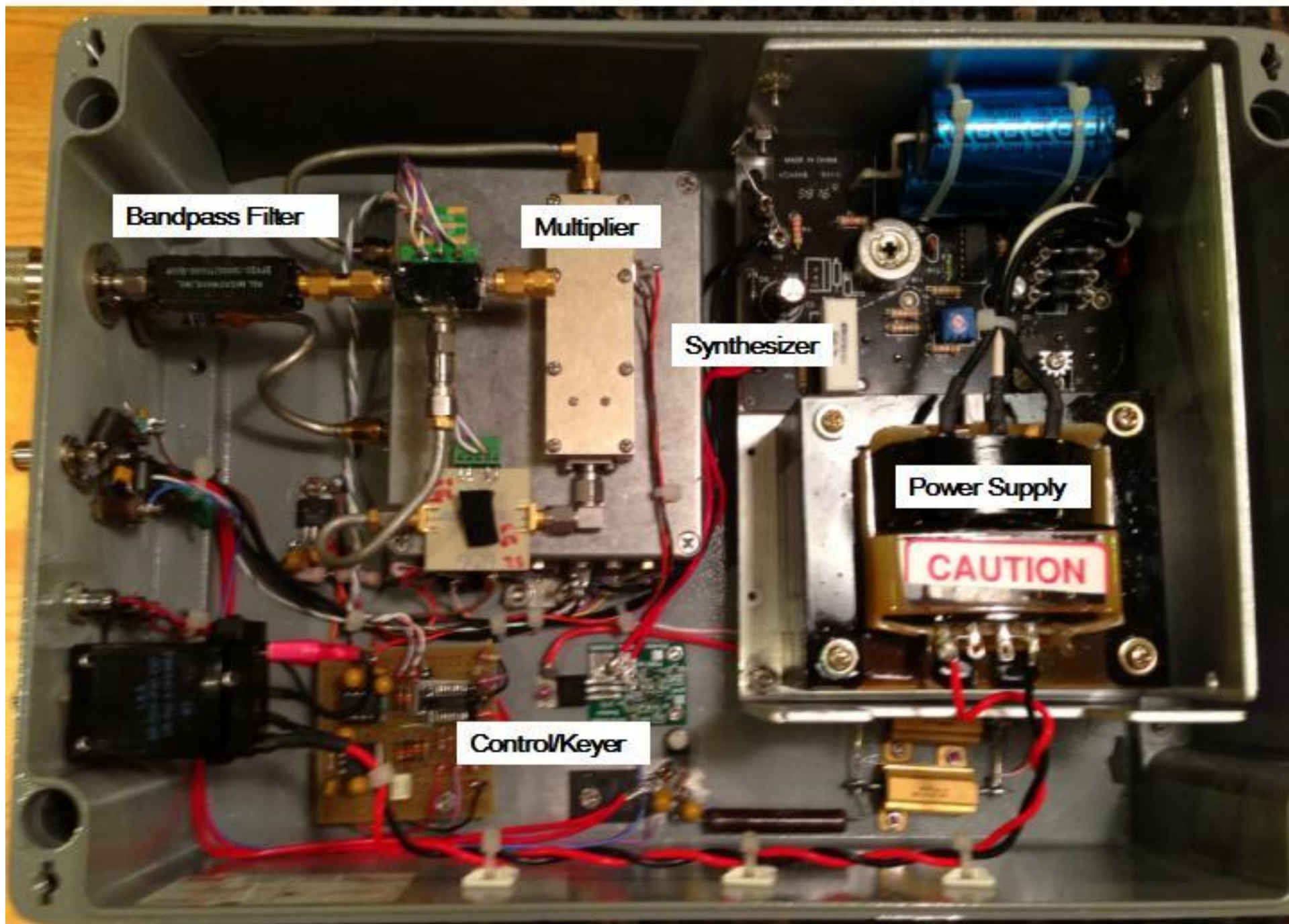
UHF  
receiver

DTMF  
decoder

Nortel/Trimble  
GPSDO

48 Volt  
Supply





Bandpass Filter

Multiplier

Synthesizer

Power Supply

Control/Keyer





10.3684GHz Output

PA Vdet Input

Power

Circuit Breaker

PA+12V/Unit Ctrl

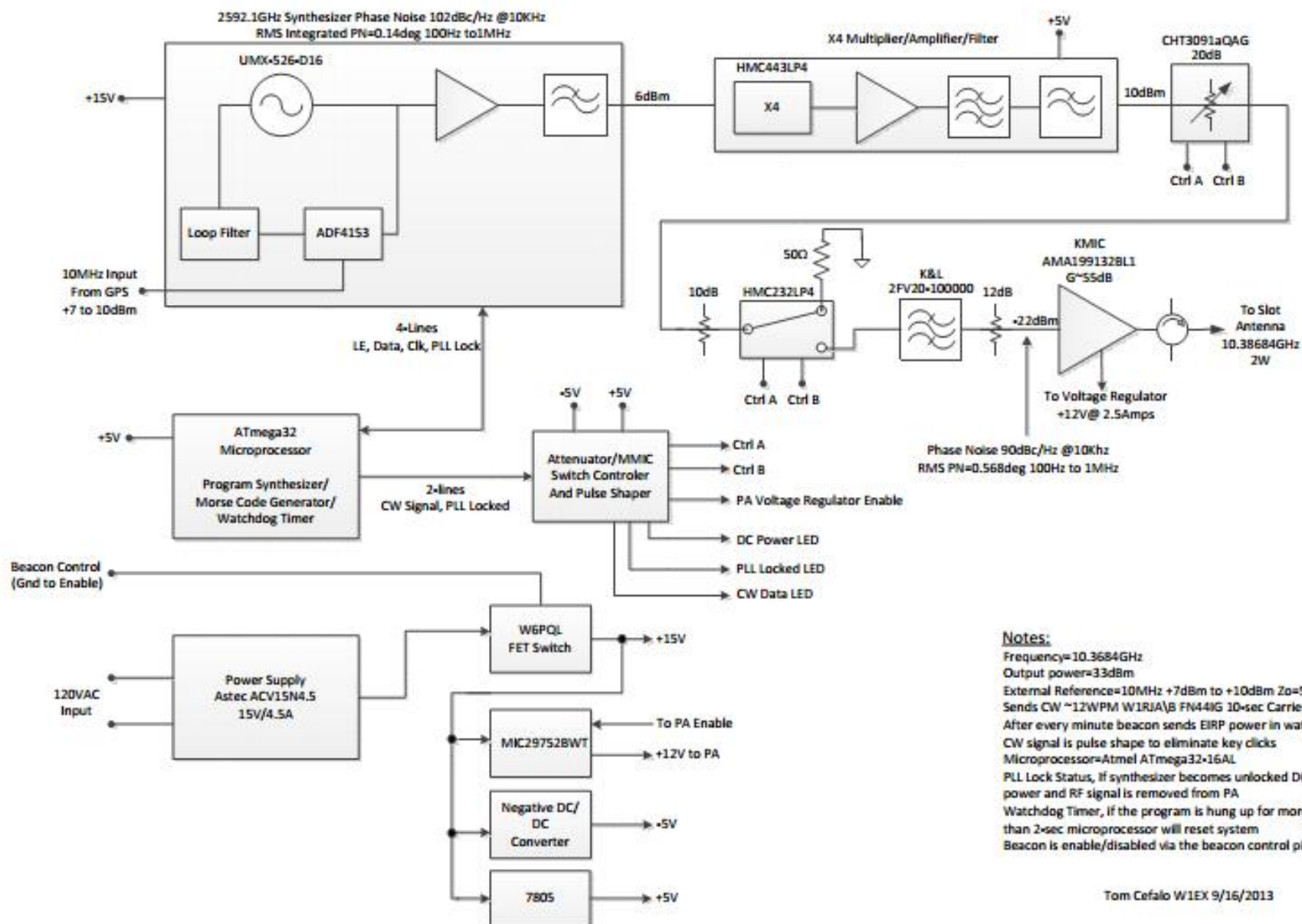
PLL Lock

Data

GND

10MHz Input (10dBm)

## Mt. Washington Beacon



Tom Cefalo W1EX 9/16/2013



10 GHz 2 watt  
Beacon Amplifier

In

-22 dBm

Out

+33 dBm

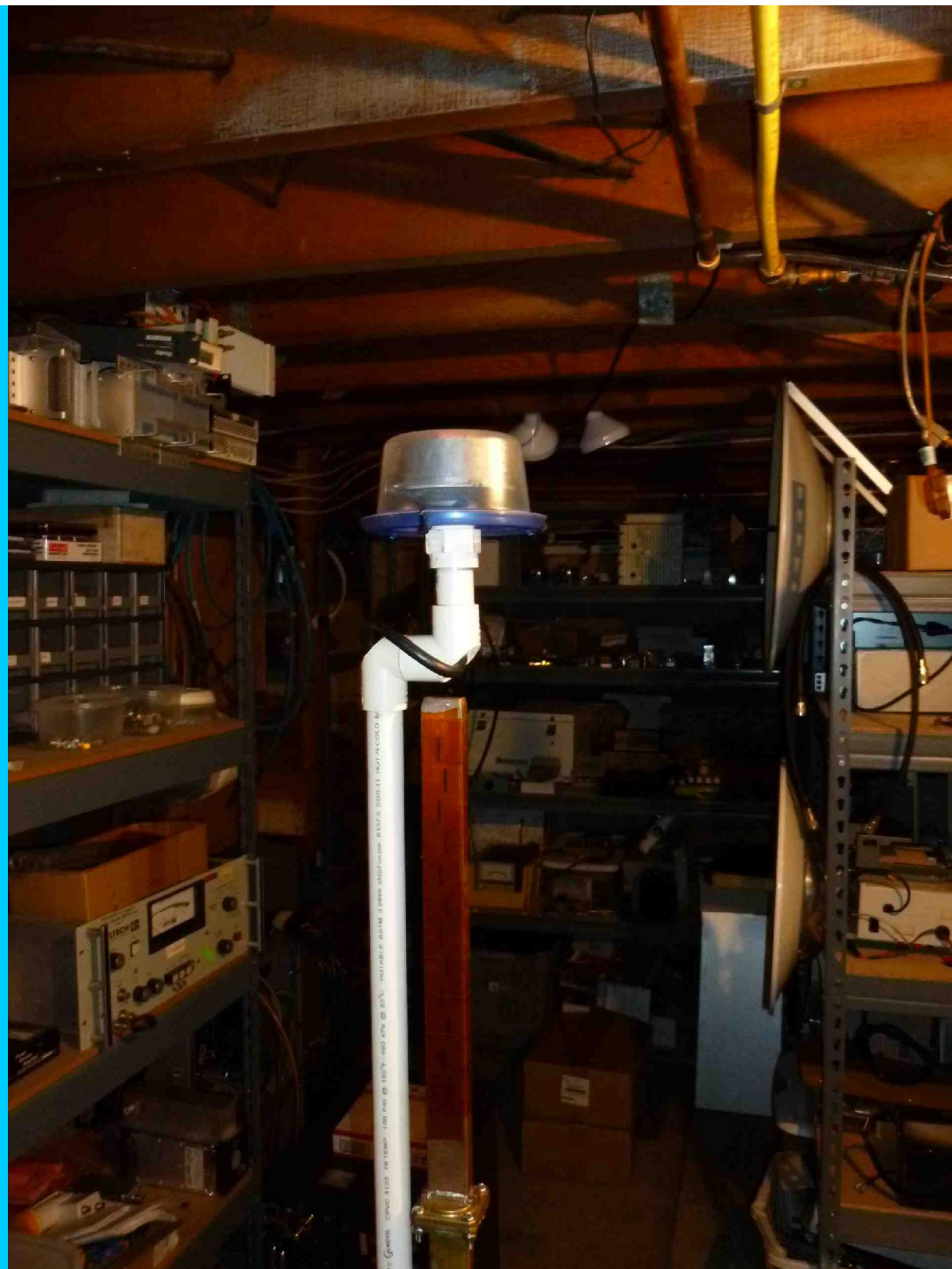
6 inches

12 inches





























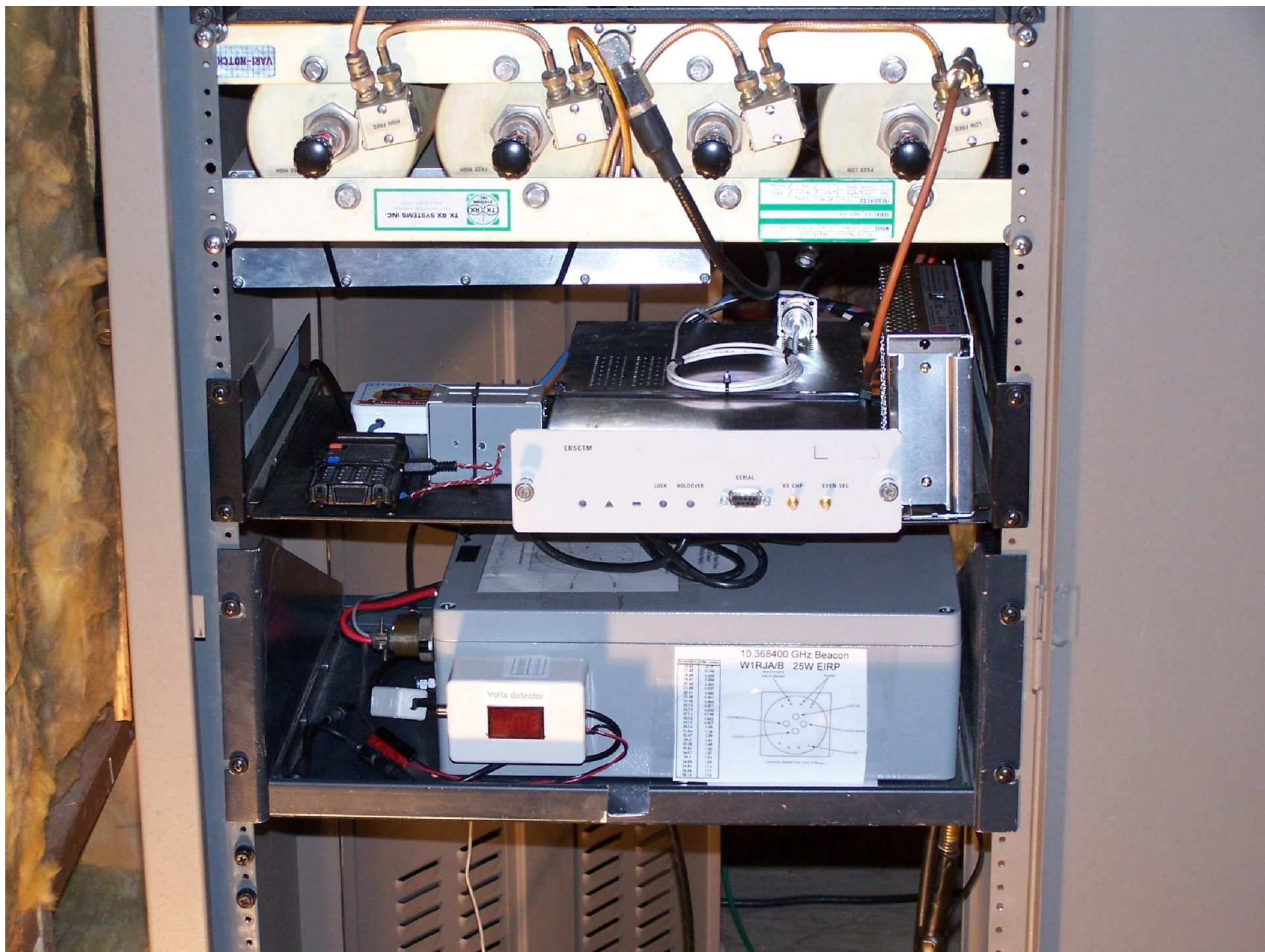






















































# W1FKF – FN42jk





# Beacon heard at W1GHZ bouncing off of Mt Mansfield

