



External supply 10-15V

Replaced by 78L08

Modified to 100 ohm

ON AIR

96.015 MHZ

3x Li-ION 3-4.2V

Battery chargers (4.2V adjusted, 200 mA max current each)

This circuit is a comb generator that generates harmonics well into the GHz range
It is based on an AMSAT UK kit modified following way:
- Added a MAR6 booster for (hopefully) more signal on 10 GHz
- Added NE555 timer to make intermittent signal easier to find on the band
- Added crude Li-Ion battery chargers for portable operation. Each Li-Ion battery has to be connected either to the charger or to the "operation" connector
Measurements on Spectrum analyzer:
-13 dBm on 1248 MHz
-71 dBm on 10370 MHz