DICKIE, Modul 27035TX

Circuit Description

(With reference to Circuit Diagram and Blockdiagram)

The circuit of modul 27035TX is basically divided in four parts:

1. Oszillator (carrier frequency)
2. Modulation of signal
3. RF amplifier
4. Output circuit with antenna

The Oszillator unit produces an carrier frequency of 27.145 MHz by using a quartz crystal, which is coupled via transistor Q1 945P.

The modulation is gained by IC TX2, beeing operated by the user trough the swiches S1/ S2/ S3/ S4.

Carrier and modulated signal are superposed at the base of transistor Q2 945P, which amplifies the modulated carrier.

The output circuit, beeing realised by capacitors and inductances matches the RF amplifier to the antenna providing RF-power being transfered to the antenna.