

Operational Description

(With reference to Circuit Diagram and Blockdiagram)

The circuit of modul DR200501-D is basically divided in four parts:

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

The Oszillator unit produces an carrier frequency of 315 MHz by using a quartz crystal.

The modulation is gained by an IC, beeing operated by the user trough the switches.

Carrier and modulated signal are superposed by using one transistor, amplifying 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.