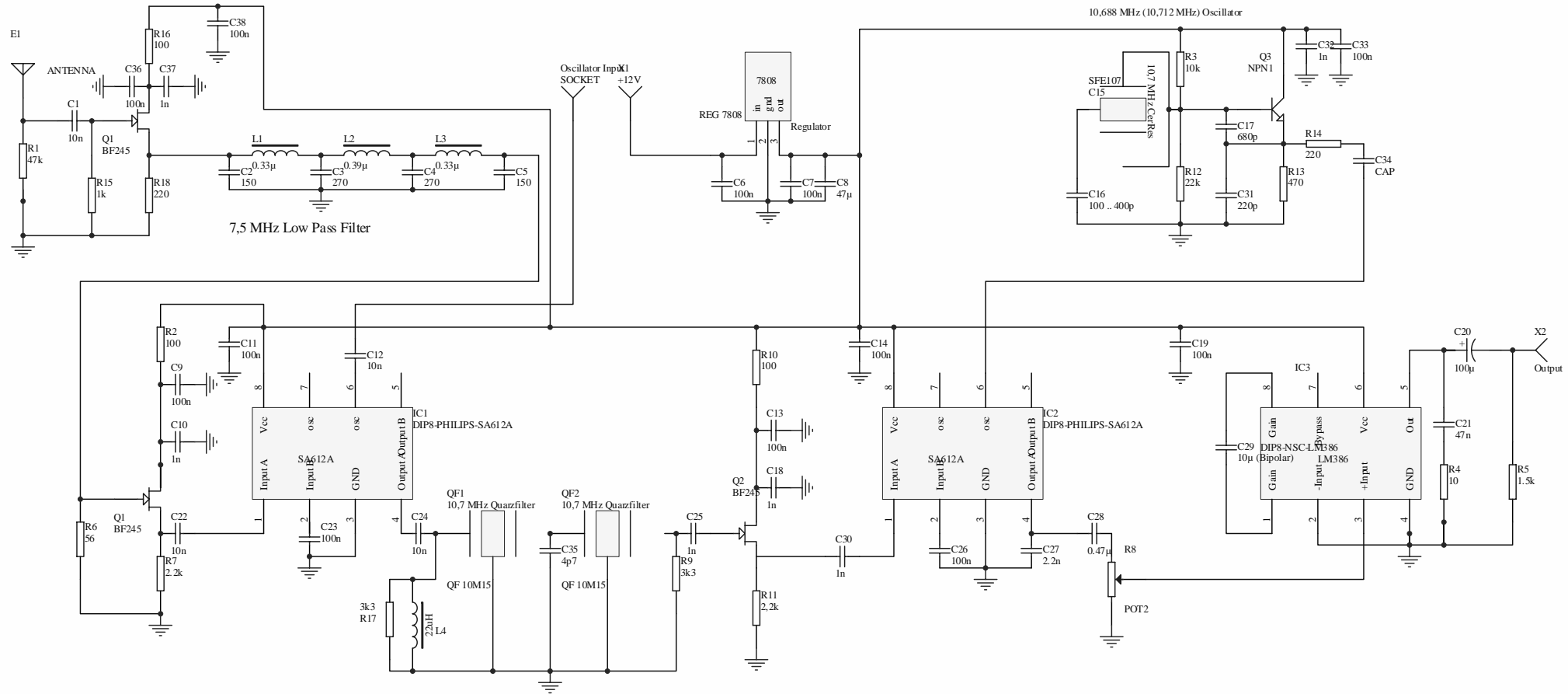
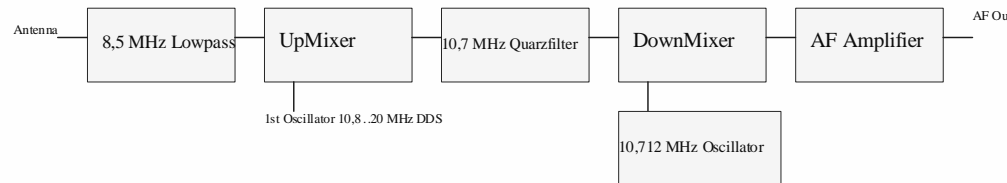


DDSR1



Principle of DRM Demonstration Receiver



Crystal frequency:

If 10,7 MHz filter with +/-15 kHz is used, run the oscillator above 10,7 MHz of avoid reception of signal. For 12 kHz center IF out following frequency is needed:

10700 kHz
+ 12 kHz

=10712 kHz

DRM Demonstration Shortwave Receiver V0.2

Christoph Petermann DF9CY
Start: 7 August 2003

Range 30 kHz .. 8,0 MHz
External oscillator required 10,8 .. 20 MHz
Upmixing to 1st IF 10,7 MHz with 10 kHz bandwidth
Downmixing to 12 kHz out center frequency

DRM Demonstration Shortwave Receiver

V02-Rev1