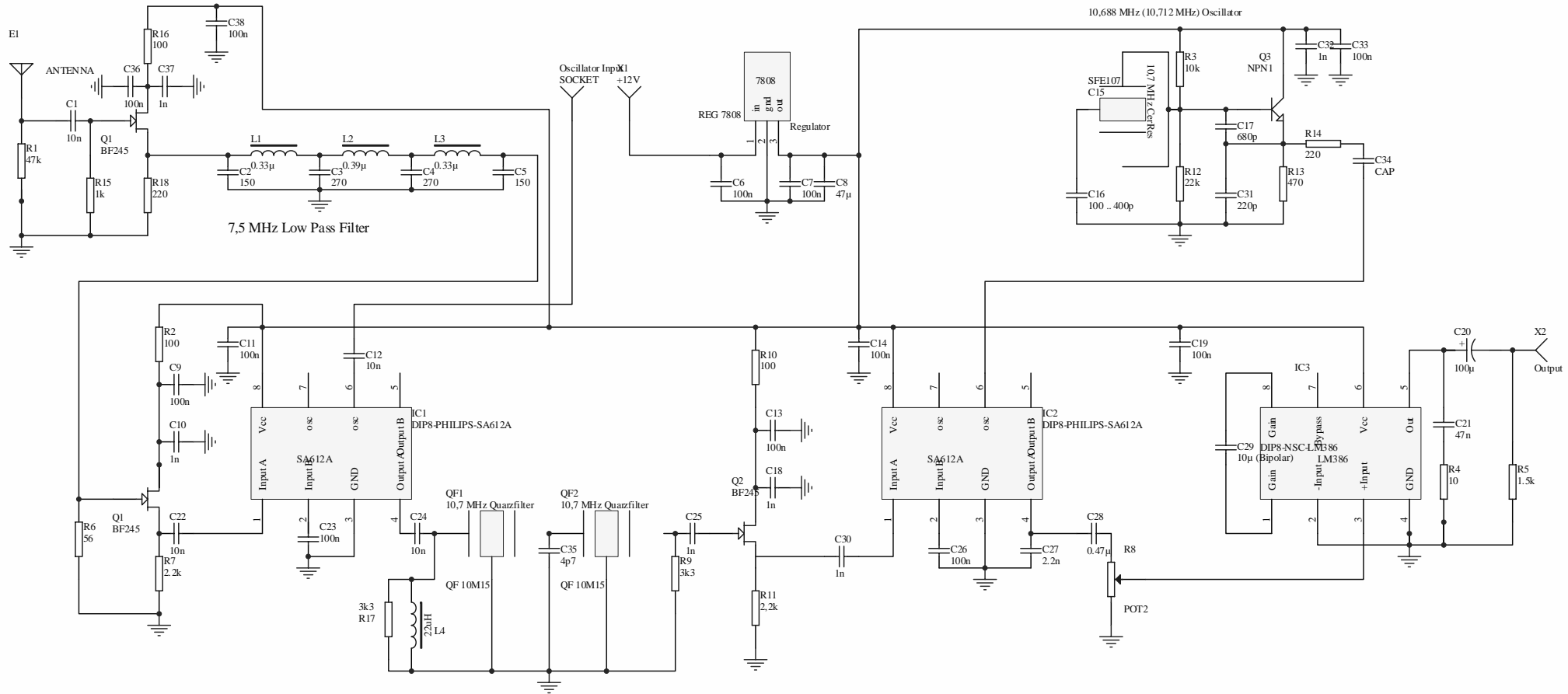
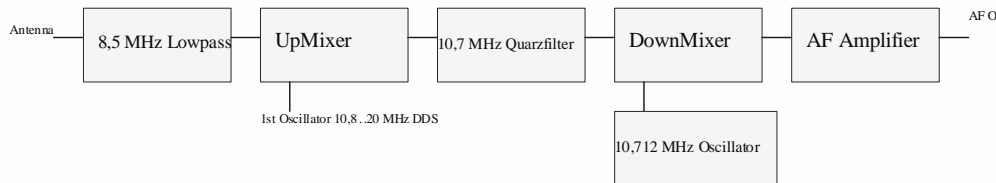


# DDSR1



## Principle of DRM Demonstration Receiver



Crystal frequency:

If 10,7 MHz filter with +/-15 kHz is used, run the oscillator above 10,7 MHz to 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

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 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