

VLF modification

simple version

Rx will work from about 20 kHz

See table for choice in components value

Component Z at diff. f's

$$OK \Rightarrow 4 \dots 5 \times Z_{50\Omega}$$

↓ L's	10kHz	50kHz	100kHz
470 μH	29,5 Ω	148 Ω	295 Ω
1 mH	62,8 Ω	314 Ω	628 Ω
2,2 mH	± 138 Ω	691 Ω	1382 Ω
4,7 mH	295 Ω	1480 Ω	2950 Ω

$$OK = < 4 \dots 5 \times Z_{50\Omega}$$

↓ C's	10kHz	50kHz	100 kHz
0,01 μF	1590	318,5	159
0,1 μF	159 Ω	31,85	15,92
0,56 μF	28,4 Ω	5,67 Ω	2,84 Ω
1 μF	15,9 Ω	3,18 Ω	1,59 Ω
2,2 μF	7,24	1,45	0,724

Dashed lines are critical boundaries for 50 Ω circuit impedance

