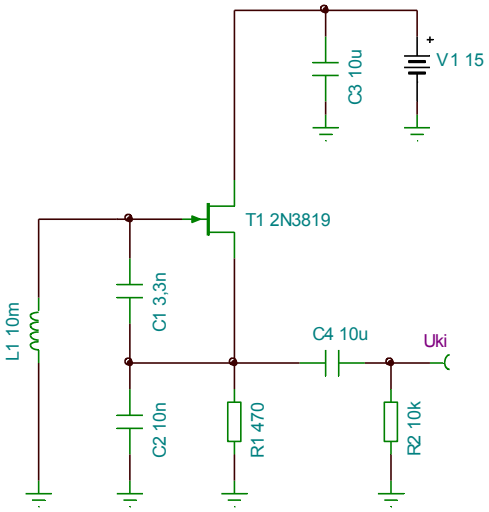
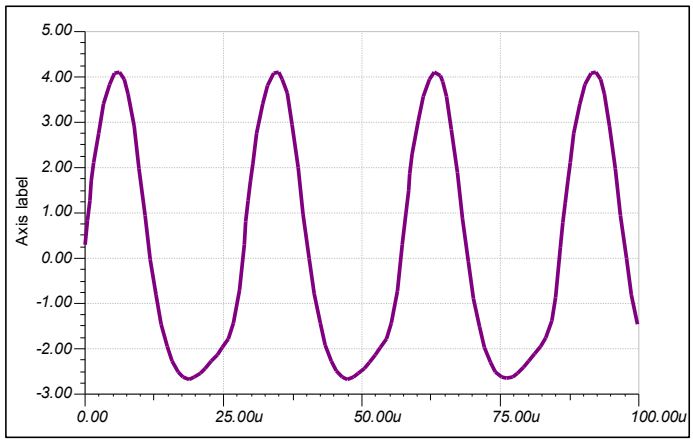
Mike Gábor - 2012. november

Colpitts-oszcillátor

$$f_0 = \frac{1}{2 \cdot \pi \cdot \sqrt{L_1 [C_1 X C_2]}}$$

A rezonancia-frekvencia: 31959Hz





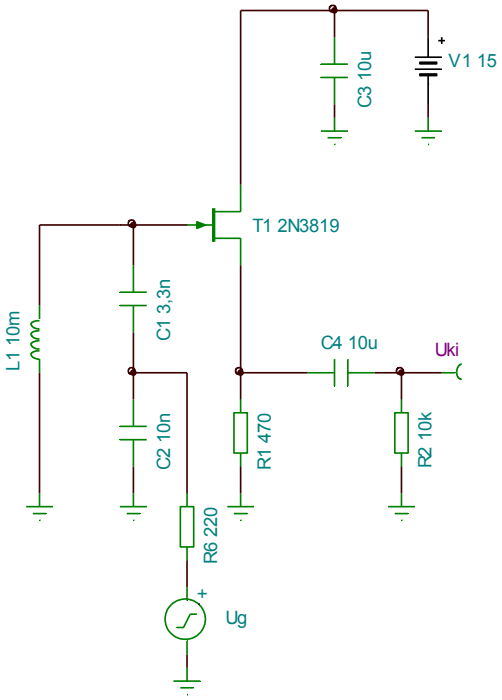
A rezonancia-frekvencia: f = 1 / T = 1 / 28,75 microsec = 34782Hz

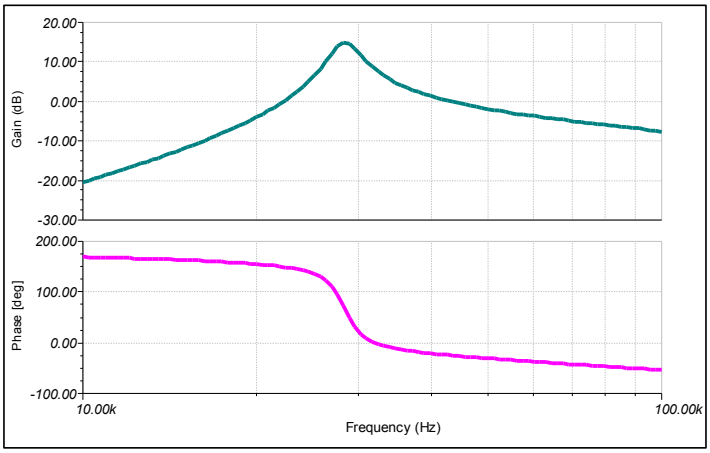
Munkaponti adatok

I_L1[0,2]	-16,54pA
I_R1[3,0]	3,13mA
I_R2[Uki,0]	0A
VP_1	15V
VP_2	0V
VP_3	1,47V
VP_Uki	0V

Mike Gábor - 2012. november

Colpitts-oszcillátor





A rezonancia-frekvencia: 28,33kHz
Sávszélesség (-3dB): 26,89 - 30,17kHz