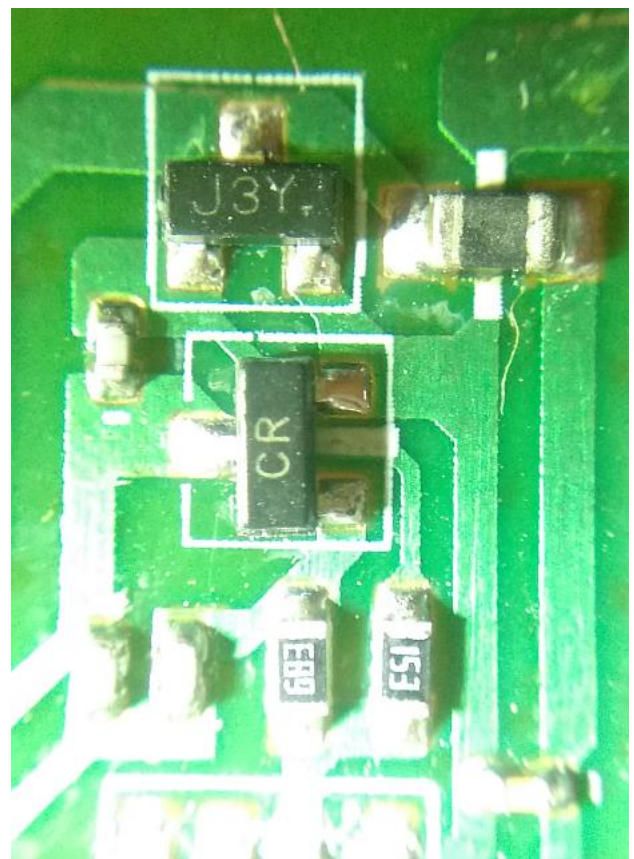
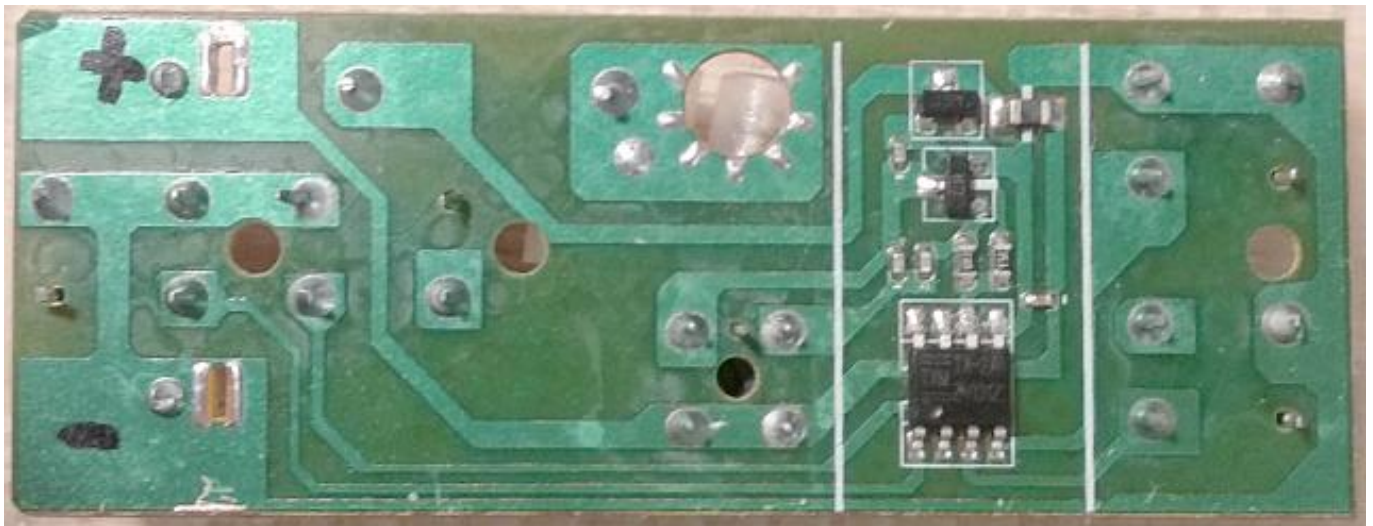


4-канальный пульт передатчика RC игрушки на 27MHz



Антенна L=21cm





Chip TXM TX-2A - 8 pin:

1 – Key Right; 2 - Key Left; 3 - Key Down; 4 - Key Up;

5 – Gnd; 7 – Vcc (3V);

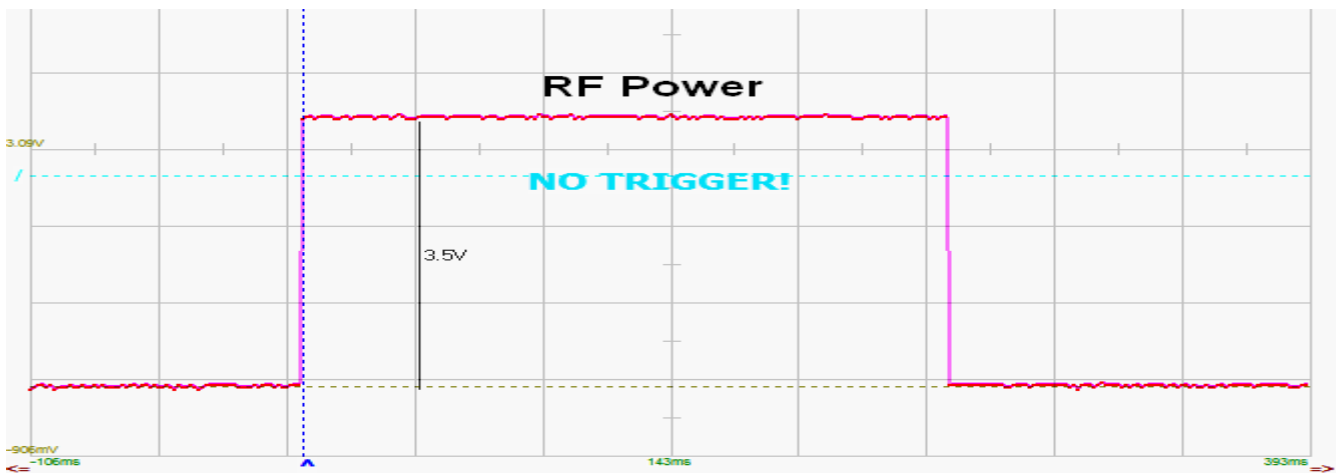
6 - Data Out; 8 – RF Power On.

Transistor J3Y - S8050 npn

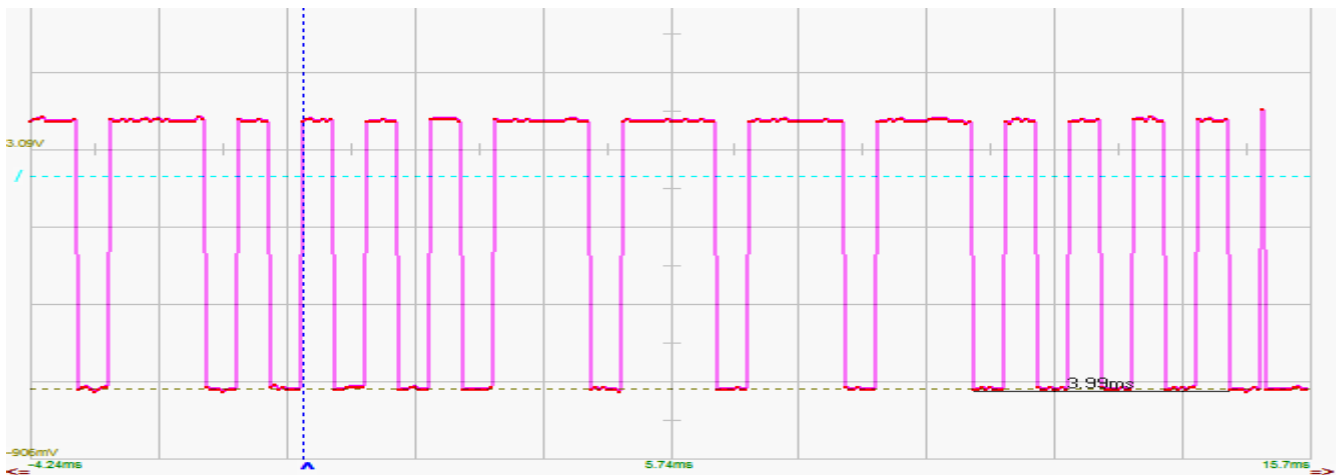
Transistor CR - 2SC945 npn



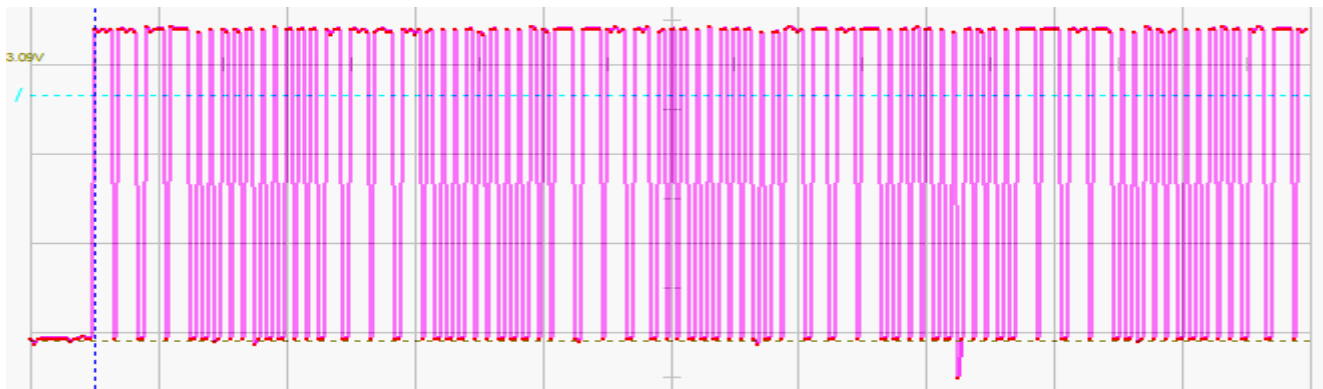
Антенна. 27MHz – 32MHz = 5MHz



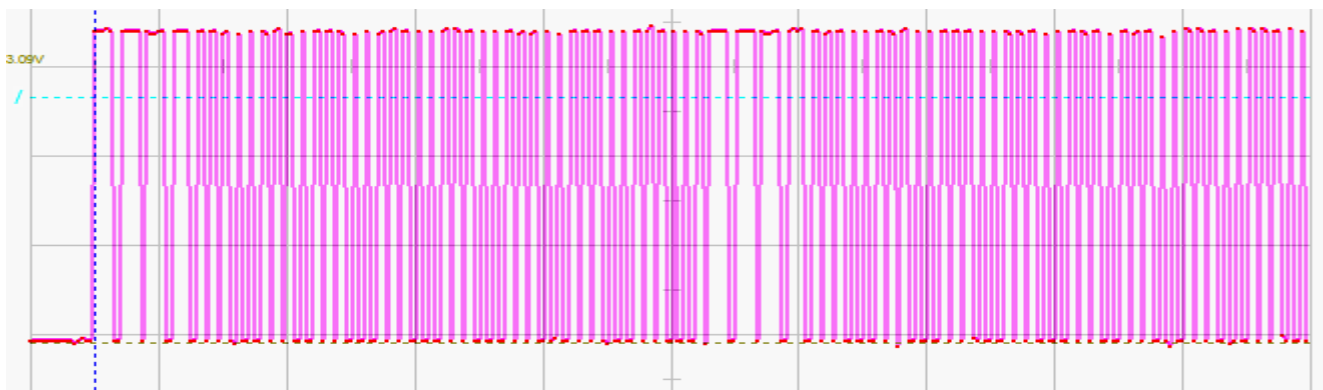
Chip. Pin 8. Any Key.



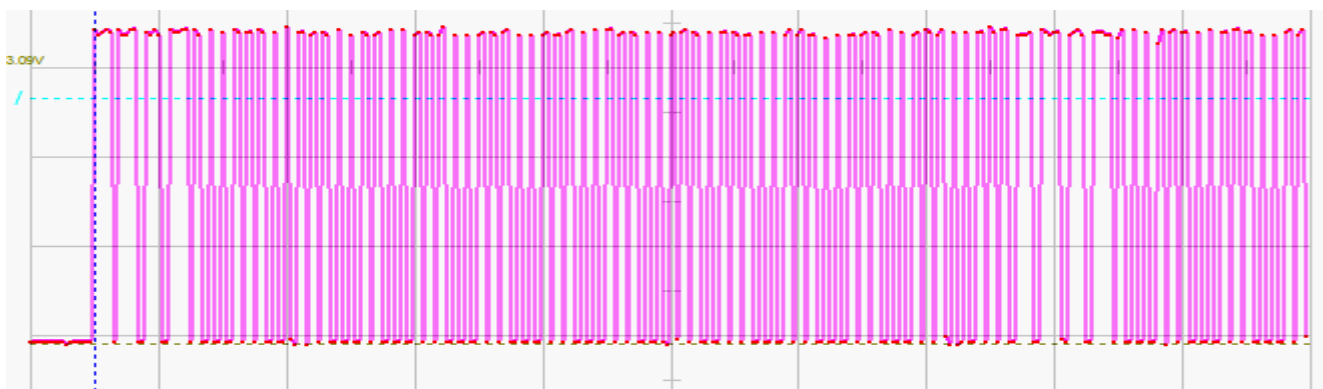
Chip. Pin 6. Up Key. T=1ms



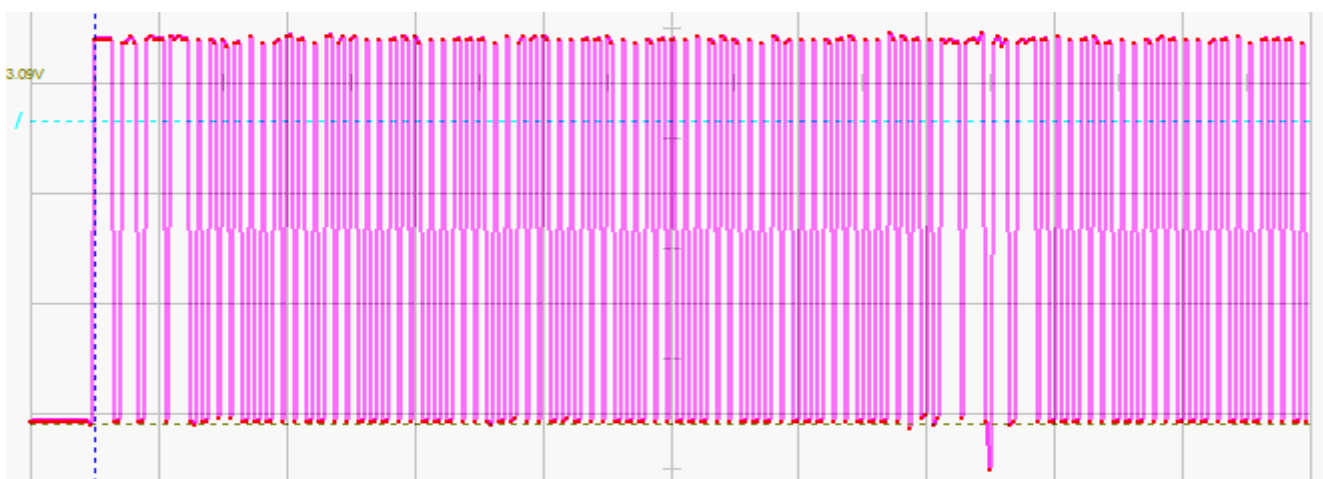
Chip. Pin 6. Up Key.



Chip. Pin 6. Down Key.



Chip. Pin 6. Left Key.



Chip. Pin 6. Right Key.

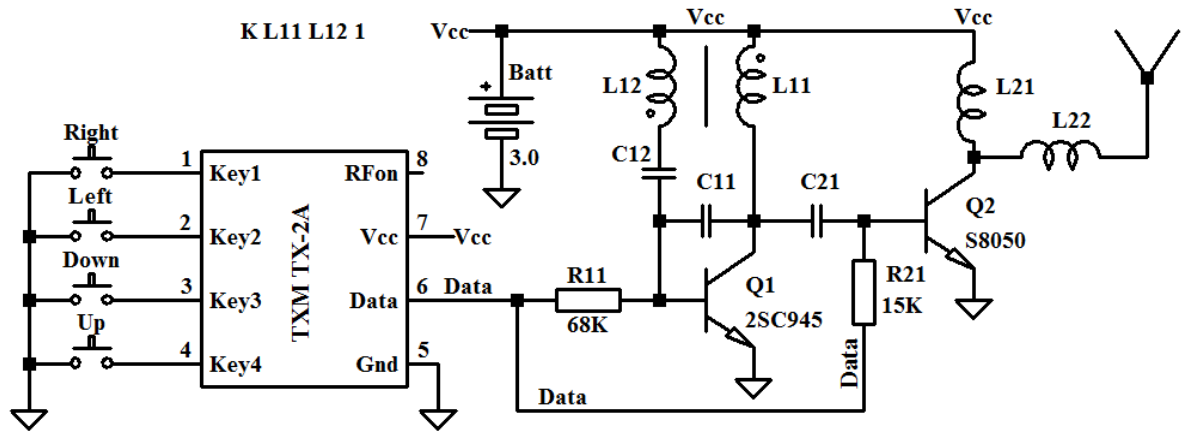
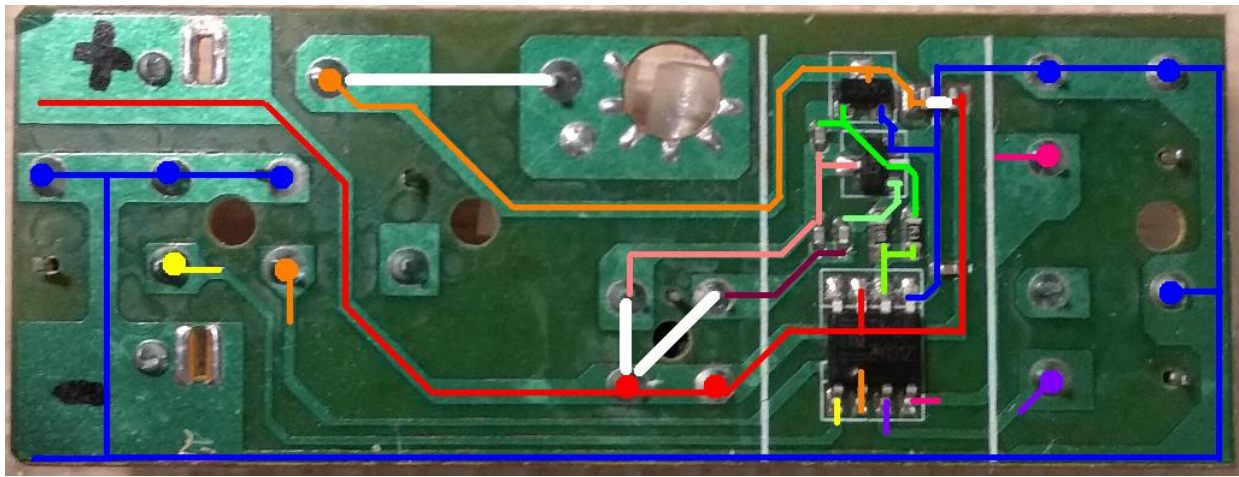


Схема. Вариант 1. Автогенератор с трансформаторной обратной связью ???

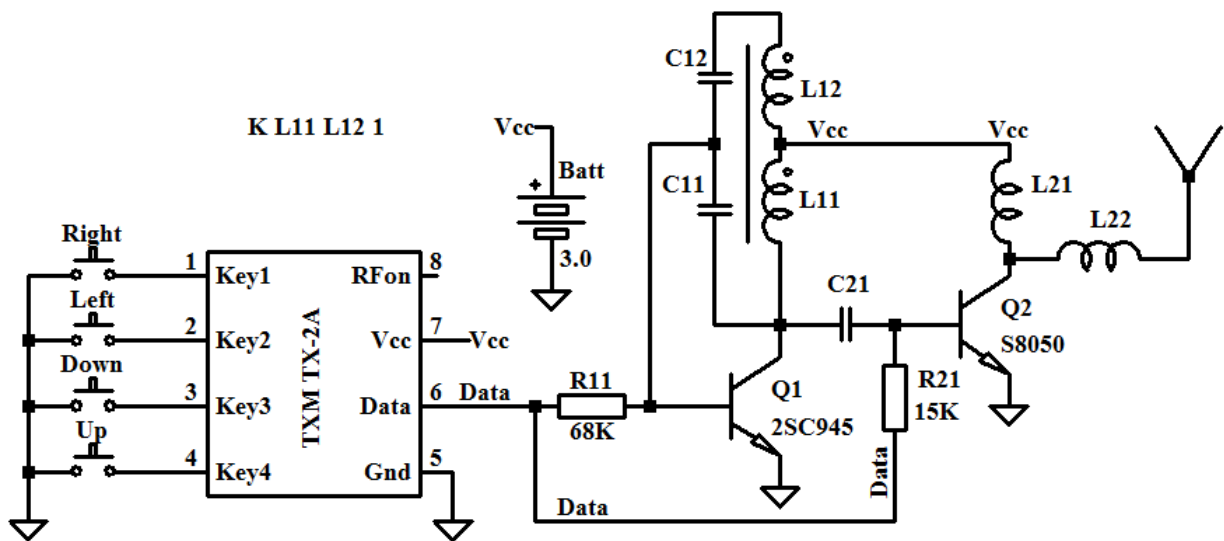


Схема. Вариант 2. Автогенератор с емкостная трехточкой ???

Для схемы автогенератора с емкостной трехточкой $f = \frac{1}{2 \cdot \pi \cdot \sqrt{L_{\Sigma} \cdot C_{\Sigma}}}$;

$$L_{\Sigma} = L_{11} + L_{12} + 2 \cdot \sqrt{L_{11} \cdot L_{12}}; \rightarrow N_{\Sigma} = N_{11} + N_{12}; L_i = k \cdot N_i^2;$$

$$L_{\Sigma} = k \cdot N_{\Sigma}^2 = k \cdot \left(\sqrt{\frac{L_{11}}{k}} + \sqrt{\frac{L_{12}}{k}} \right)^2 = k \cdot \left(\frac{L_{11}}{k} + \frac{L_{12}}{k} + 2 \cdot \frac{\sqrt{L_{11} \cdot L_{12}}}{k} \right) = L_{11} + L_{12} + 2 \cdot \sqrt{L_{11} \cdot L_{12}}.$$

$$C_{\Sigma} = \frac{C_{11} \cdot C_{12}}{C_{11} + C_{12}}; \rightarrow \frac{1}{C_{\Sigma}} = \frac{1}{C_{11}} + \frac{1}{C_{12}}.$$