

EL190 F22, 27.045 ~ 27.225MHz Transmitter Operation Description

The Radio Frequency of the transmitter is based on standard 27MHz AM citizen's band. It generates low power 27.045~27.225MHz AM carrier frequency via major components of Q1, Y1, L1, C5, C21, R4, R3 and R28 etc. (**Figure 2**). Please see the attached schematics for more detail.

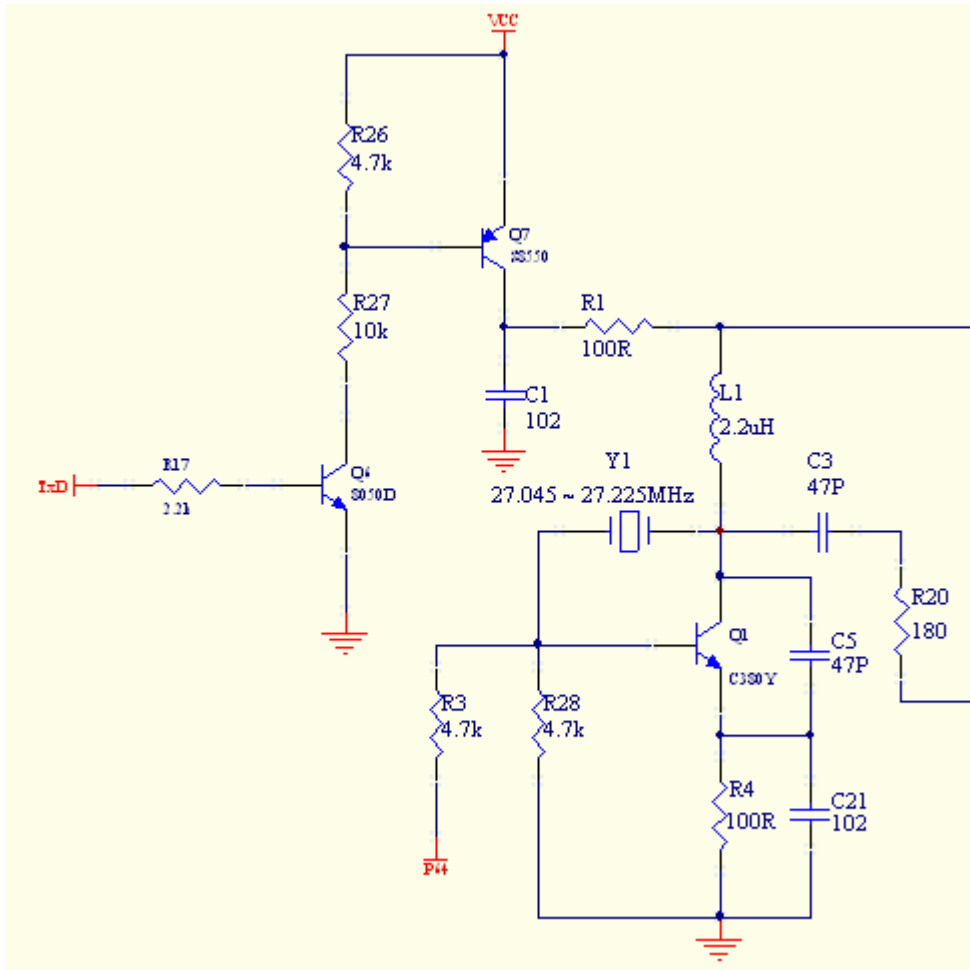


Figure 2

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The AM signal (via capacitor C3) is passed to RF amplifier (**Figure 3**, Q2, C8, R9, C9 and L2), which amplifies the signal and then couples the signal into the antenna (ANT1) via components C4, C6, L4, C7 and L3.

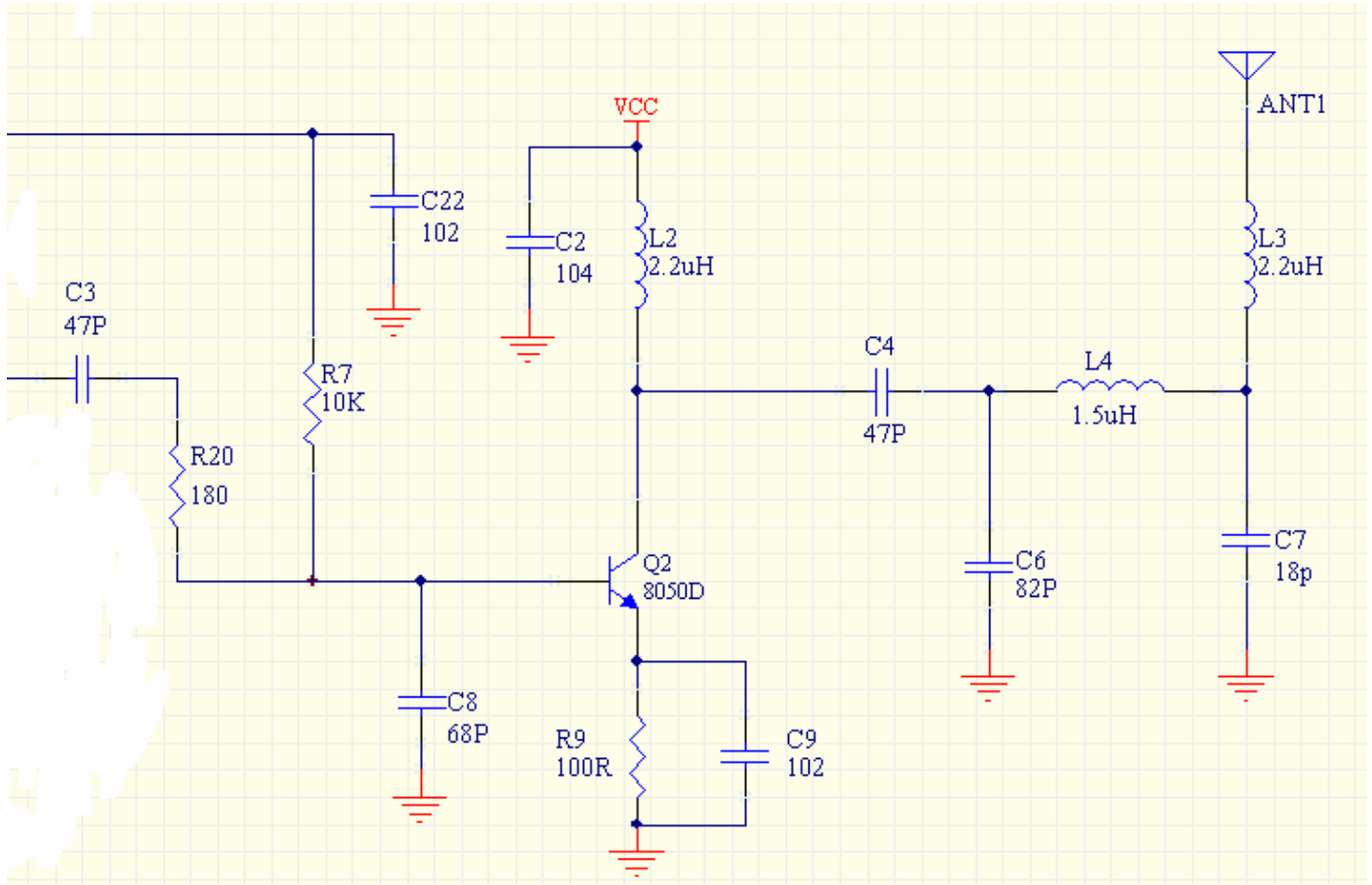


Figure 3