

<http://hyperphysics.phy-astr.gsu.edu/hbase/Electronic/amfmdet.html>

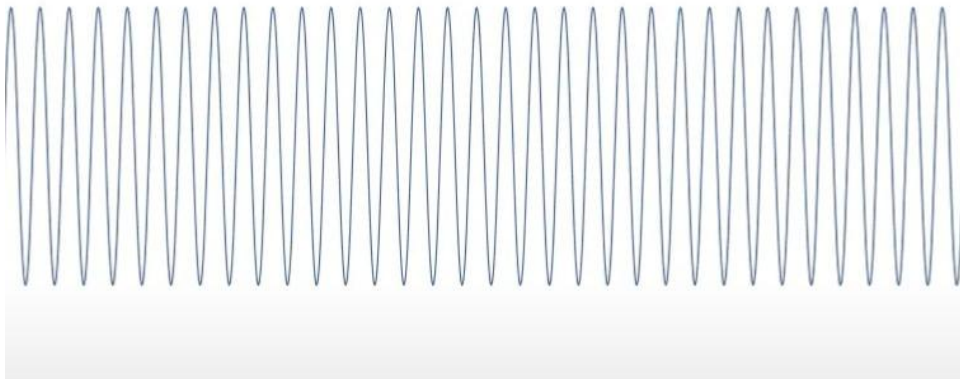
Wrong schematic, wrong output waveform!!

https://youtu.be/e_gTCU2fnD8?si=qfv_5PWQafWgqKh1

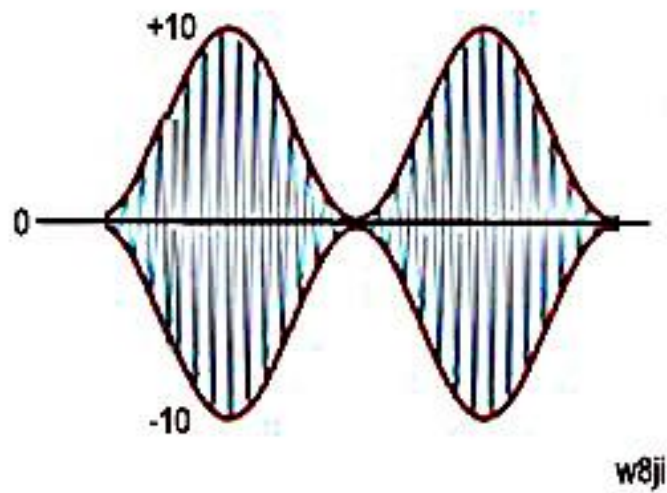
Good video.



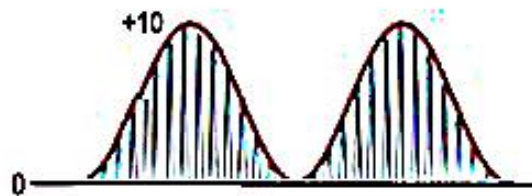
Audio signal into transmitter changes the carrier level.



The result is a time-varying change in carrier level, which also generates an upper and lower sideband.



When this goes into the diode we have this out of the diode:



The envelope shape is a replica of the original audio.

We filter the RF out with a shunt capacitor and remove the dc offset with a series capacitor and we once again have this:

