

# How transmitters work.

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  - *Date:* 20 Apr 2005 07:38:59 -0700
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Please forgive the pure ignorance of this question. I understand that this is very basic stuff that I should probably know, but I have never been to class to learn about this stuff, nor have I found any tutorials that explain this stuff in simple everyday terms. I passed by technician and general class amateur license exam by memorizing the right buzzwords for this stuff, but not actually understanding the concepts. I admit, I am ashamed of this fact. Here's what I have gathered so far.

1. DC current flows through a crystal.
2. The resonance of the crystal causes the current to form waves around the frequency of crystal
3. This new "pulsating" current is then amplified and then sent through the crystal again. (This is called positive feedback)
4. The pulsating current is sent through a low-pass filter to "filter out" unwanted frequencies. (That's why I said "around the frequency" of the crystal)
5. From the filter, the current flows to an antenna which converts the current to RF radiation.

Comments and help would be greatly appreciated.

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• *Follow-Ups:*

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- ◆ ***Re: How transmitters work.***  
    ◇ *From:* Michael Black
- ◆ ***Re: How transmitters work.***  
    ◇ *From:* Rich Grise
- ◆ ***Re: How transmitters work.***  
    ◇ *From:* Andrew Holme

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