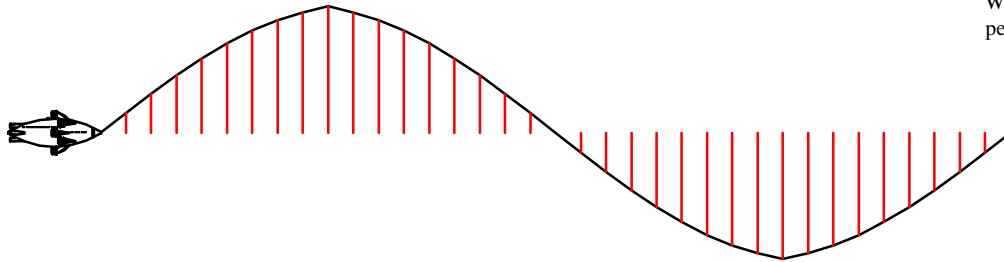
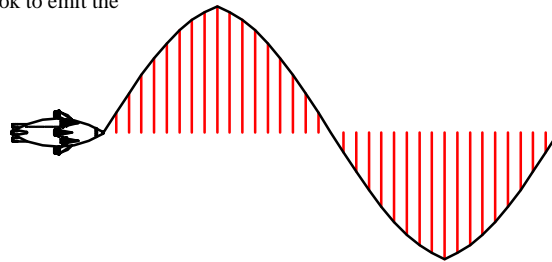


Considering just one Cycle of the Wave with the Space Ship standing still. After one second the first part of the Wave is 300,000,000 Meters away from the Ship and the last part is just leaving the nose. If the Wave leaves the Ship with one Watt of Power it will arrive at the Observer with One Watt of Power.



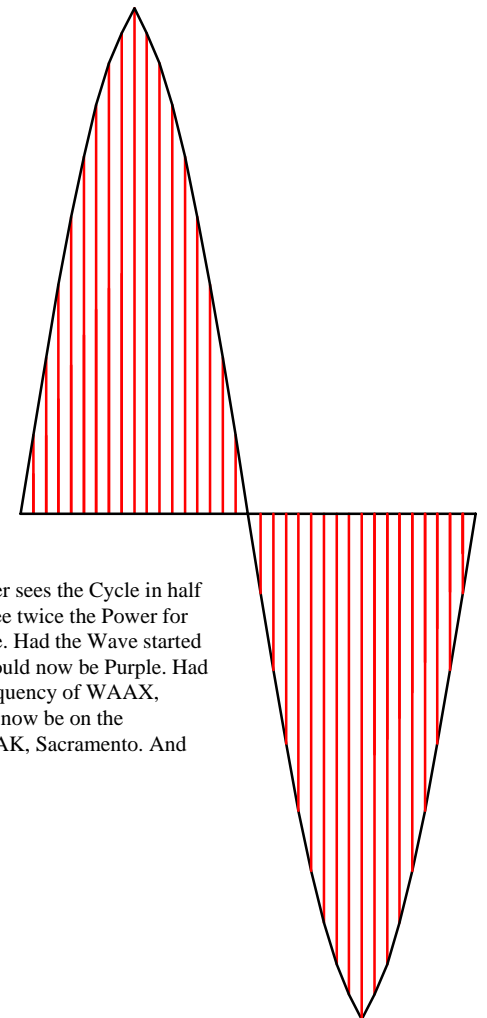
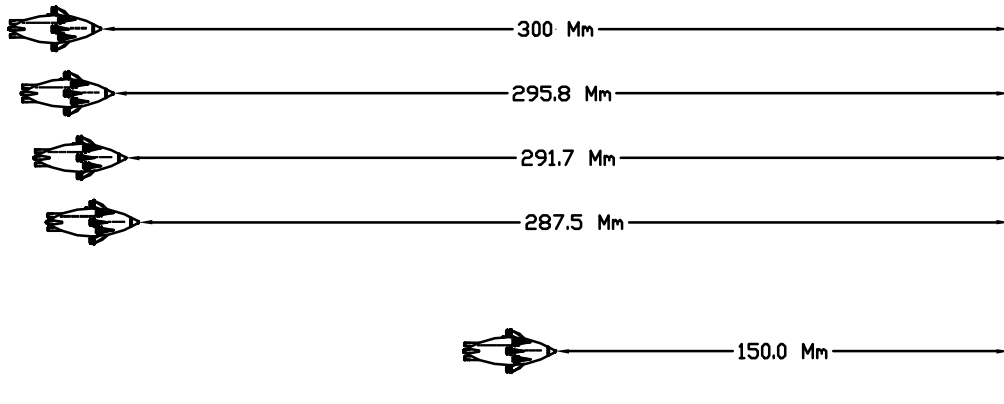
The Observer sees a Wave of one one Cycle per second.

But if the Ship were traveling at half the speed of light it would have moved 150,000,000 Meters during the second that it took to emit the cycle and the last bit would start from that point.



To the Observer the Cycle will have lasted one half second, a Frequency of two Cycles per second. And....

Breaking it down bit by bit the first slice of the wave must travel 300 Million meters but the second slice only 295,833,333 meters and so forth. The final slice only 150,000,000 meters.



Since the Observer sees the Cycle in half the time he will see twice the Power for that length of time. Had the Wave started as Red Light it would now be Purple. Had it been on the Frequency of WAAX, Gadsden it would now be on the Frequency of KRAK, Sacramento. And so on.