



Space Ship standing still in relation to all observers. The Wavelength of all three beams are observed to be the same. The closer the Observer's detector is to the Ship the more Waves it will intercept. This is why a Light or Radio Signal is stronger the closer you are to its source. An individual Cycle of any Wave or Group of Waves will be of the same Power regardless of how far the Observer is from the Source.

Since Light and Radio Waves are just different frequencies of Electromagnetic Radiation we will start with a Radio Wave of 1 cycle per second and consider it to have been produced in 36 quantum steps. Cycle, Wave and Photon will be used interchangeably. Antenna means whatever the Observer uses to detect the Photon.

For the purpose of this Explanation assume that the Speed of Light is exactly 300,000,000 Meters per Second and since the Wave is 1 cycle per second the Wavelength is 300,000,000 meters.

Don't confuse Million meters (Mm) with millimeters (mm).