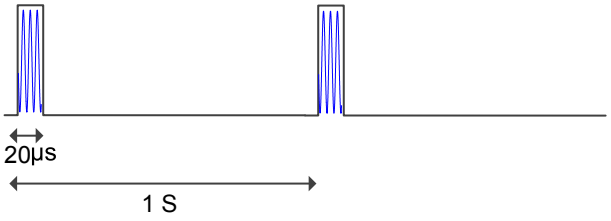
Device and transmit signal description:
We would like to obtain a license to operate a new device we have developed at MIT. The device emits a carrier signal at 915 MHz ISM band. The device transmits a sine wave (carrier signal) at 915MHz for period of 20us every 1 second. In another word, the device is transmitting for 20us and it is silent for the rest of one second.



Location description:
10 devices will be placed on 10 light poles in Vassar street, Cambridge, MIT.

Antenna description:
Omni directional or very wide directional antennas (~120degree) will be used. The direction of beam will be toward the road.

Peak and Average Power:
The device transmits a 1-2W maximum peak power during the 20 us. The average power will be 40uW (2W*20us/1s).