June 5, 2020

Introduction

Intel is a world leader in computing innovation. The company designs and builds the essential technologies that serve as the foundation for the world's computing devices. Intel also offers a portfolio of wireless network communications solutions to connect a broad range of devices. Hardware and software products by Intel and its subsidiaries power the majority of the world's data centers, connecting hundreds of millions of consumers, corporate and government IT systems. Intel technologies are also inside intelligent systems, such as automobiles, automated factories and medical devices.

Testing to be Performed

Intel's research and development teams have been advancing new radio standards and technologies for the next generations of wireless devices. An Experimental License is requested for testing and demonstrations.

Location:

200 Smith Street,
Waltham, MA 04251
Center point: 42°25'7.00"N, 71°15'15.00"W, radius = 1 kilometer

Stop buzzer contact: stopbuzzer@intel.com;
                             John Hammond
                             503-264-8726

Proposed Transmitter & Antenna Parameters

Details					Transmitter Emission					
Location	Station Type	Latitude	Longitude	AGL meters	Antenna Type:	Antenna Gain dBi	Maximum ERP dBm	Frequency GHz	Bandwidth MHz	Emission Designator MW7W
Waltham, MA	MO to MO	42°25'7.00"N	71°15'15.00"W	NTE 24	Omni & Patch	4.5 dBi 12.0 dBi	25.35 45.85	3.6 – 3.8 3.6 – 3.8	10 15 20 25 30 40 50 60 70 80 90 100	10M7W7W 15M7W7W 20M7W7W 25M7W7W 30M7W7W 40M7W7W 50M7W7W 60M7W7W 70M7W7W 80M7W7W 90M7W7W 100M7W7W

Geographical Area of Waltham, MA Site

1000 meter radius centered: NL 42°25'7.00", WL 71°15'15.00"