



12 February 2016

## 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 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, connect hundreds of millions of cellular handsets and help secure and protect computers, mobile devices and corporate and government IT systems. Intel technologies are also inside intelligent systems, such as automobiles, automated factories and medical devices.

## Demonstration to be Performed

Intel's research and development teams have been designing new radio technologies for the next generation broad band wireless devices. An Experimental Special Temporary Authority authorization is requested for an indoor demonstration of a wireless device. Proposed experiment will be in a windowless conference room in the facility.

## Location:

Hyatt Santa Clara  
5101 Great America Parkway  
Santa Clara, CA 95054

37° 24' 19"N  
121° 58' 35"W  
3 meters AMSL

## Transmitter & Antenna Parameters:

Site Details					Antenna					Transmitter Emission		
Location	Station Type	Latitude (dd mm ss.ss)	Longitude (dd mm ss.ss)	AGL (m)	Type	3dB Beam Width	H-Gain (dB)	V-Gain (dB)	ERP (dBm)	Frequency (GHz)	Bandwidth	Designator
Indoors, within a 100 meter radius of the center coordinate.	MO – to – MO	37°24'19"N	121°58'35"W	Not to Exceed 9.7 m	Omni, beam-forming	n/a	3.5 to 14 dB maximum with beam-forming	3.5 to 14 dB maximum with beam-forming	31	27.5 - 28.5	100 MHz 200 MHz 300 MHz 400 MHz 500 MHz 600 MHz 700 MHz 800 MHz	100MW7W 200MW7W 300MW7W 400MW7W 500MW7W 600MW7W 700MW7W 800MW7W