



26 November 2018

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.

Testing 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 License is requested for testing and demonstrations. Authorization from the carrier to utilize their spectrum for these tests has been granted, and such testing will not connect to their network.

Location:

San Diego, California

32° 56' 23.00"N

117° 6' 9.00"W

100 meter radius

Proposed Operation: 12/6/2018 – 12/6/2020

"Stop Buzzer" Contact

stopbuzzer@intel.com

John A. Hammond

503-264-8726

Proposed Transmitter & Antenna Parameters:

Site Details					Transmitter Emission					
Location	Station Type	Latitude	Longitude	AGL meters	Antenna Type:	Antenna Gain dBi	Maximum ERP dBm	Frequency MHz/GHz	Bandwidth MHz	Emission Designator MW7W
San Diego, CA 100 meter radius	MO to MO	32°56'23"N	117° 6' 9"W	13.4	omni	2.7	32.55	617-652 MHz	10	5 10 20
San Diego, CA 100 meter radius	MO to MO	32°56'23"N	117° 6' 9"W	13.4	omni	7 dBi	27.85	2496-2690 MHz	20	20 40 60 80 100
	MO to MO				directional	19dBi	52.85			
San Diego, CA 100 meter radius	MO to MO	32°56'23"N	117° 6' 9"W	13.4	omni	7dBi	27.85	3300-3800 MHz & 4400-5000 MHz	20	20 40 60 80 100
	MO to MO				patch	23 dBi	52.85			
San Diego, CA 100 meter radius	MO to MO	32°56'23"N	117° 6' 9"W	13.4	omni	3.5	57.85	26.5-29,5 GHz	20 100 200 300 400	20M0 100 200 300 400
	MO to MO				patch	23	59.85			
San Diego, CA 100 meter radius	MO to MO	32°56'23"N	117° 6' 9"W	13.4	omni	5	57.85	37-40 GHz	100 200 300 400	100 200 300 400

Geographical Areas of Proposed Experimental License Location



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