



29 July 2019

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.

Locations:

Intel Santa Clara

2200 Mission College Blvd

Santa Clara, CA 95054

Centered around: 37°23' 10" N, 121°57' 53" W, radius of 800 meters.

Intel Jones Farm

2111 NE 25th Avenue,

Hillsboro, OR 97124

Centered around: 45°32'33" N, 122°58'00" W, radius of 800 meters

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
Santa Clara	MO to MO	37°23' 10" N	121°57' 53" W	NTE 32	Omni & Patch	7 dBi & 23 dBi	27.85 & 52.85	3.5 – 3.8 3.5 – 3.8	20 40 60 80 100 200 400	20MW7W 40MW7W 60MW7W 80MW7W 100MW7W 200MW7W 400MW7W
Santa Clara	MO to MO	37°23' 10" N	121°57' 53" W	NTE 32	Omni & Patch	7 dBi & 23 dBi	27.85 & 52.85	4.4 – 5.0 4.4 – 5.0	20 40 60 80 100 200 400	20MW7W 40MW7W 60MW7W 80MW7W 100MW7W 200MW7W 400MW7W
Jones Farm	MO – to – MO	45°32'33" N	122°58'00" W	NTE 25	Omni & Patch	7 dBi & 23 dBi	27.85 & 52.85	3.5 – 3.8 3.5 – 3.8	20 40 60 80 100 200 400	20MW7W 40MW7W 60MW7W 80MW7W 100MW7W 200MW7W 400MW7W
Jones Farm	MO – to – MO	45°32'33" N	122°58'00" W	NTE 25	Omni & Patch	7 dBi & 23 dBi	27.85 & 52.85	4.4 – 5.0 4.4 – 5.0	20 40 60 80 100 200 400	20MW7W 40MW7W 60MW7W 80MW7W 100MW7W 200MW7W 400MW7W

Geographical Area of Santa Clara, California Site

800 meter radius centered around NL 37-23-10; WL 121-57-53



Geographical Areas of Jones Farm, Hillsboro, Oregon Site

800 meter radius centered around NL 45-32-33; WL 122-58-00

