

Date: 14-Feb-20

Subject: Intel Special Temporary Authority request: 0268-EX-ST-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 communications solutions to connect a broad range of devices. Hardware and software products by Intel and its subsidiaries power a 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 in automobiles, automated factories and medical devices.

Testing to be performed

Intel's research and development teams are designing new radio technologies for high speed communications. Over the air testing is required to validate the designs, characterize usage models and verify overall performance.



Locations:

Intel Robert Noyce Building (RNB) Campus 2200 Mission College Blvd Santa Clara, CA 95054 RNB: 37°23'16" N | 121°57'50" W, radius of 0.25 km. Operation dates 3/9/20 & 3/10/20 The closest distance to an airport runway (SJC (San Jose International Airport)) is approximately 2.5 km.

The Palace of Fine Arts 3601 Lyon Street San Francisco, CA 94123 The Palace of Fine Arts: 37°48'11" N | 122°26'55" W, radius of 0.25 km Operation dates 3/11/20 & 3/12/20 The closest distance to an airport runway (SFO (San Francisco International Airport)) is approximately 20 km.

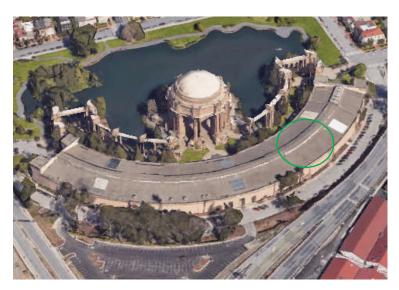
Transmitter & Antenna Parameters:

Site Details					Antenna				Transmitter Emission			
Location	Station Type	Latitude (dd mm ss.ss)	Longitude (dd mm ss.ss)	AGL (m)	Туре	ERP (W)	ERP (dBm)	EIRP (W)	EIRP (dBm)	Frequency (GHz)	Bandwidth	Designator
Within 0.25km radius at RNB campus Santa Clara, CA 95054	FX & MO	37°23'16" N	121°57'50" W	<6m	64 element	12.2	40.85	20	42	71 - 76	2 GHz	2G0W7D
Within 0.25km radius at The Palace of Fine Arts San Francisco, CA 94123	FX & MO	37°48'11" N	122°26'55" W	<6m	64 element	12.2	40.85	20	42	71 - 76	2 GHz	2G0W7D

Geographical Area of RNB Santa Clara, CA and The Palace of fine arts, San Francisco, CA







Intel Corporation 2111 NE 25th Ave. Hillsboro, OR 97124



Equipment List:

Manufacturer	Keysight						
Model #	M8190A						
What is it	Arbitrary Waveform Generator						
Quantity	1						
Manufacturer	Keysight						
Model #	E4432B						
What is it	Signal Generator						
Quantity	2						
Manufacturer	Xilinx						
Model #	VC707						
What is it	FPGA						
Quantity	2						
Manufacturer	Intel						
Model #	SPARTA 64 Elements						
What is it	Phased array, dual polarizatio RF PCB						
Quantity	2						
Manufacturer	Lenovo						
Model #	Thinkpad						
What is it	Laptop						
Quantity	2						

Intel Corporation 2111 NE 25th Ave. Hillsboro, OR 97124