



26 July 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.

Demonstration to be Performed

Intel's research and development teams have been designing new radio technologies for the next generation broad band wireless devices. A Special Temporary Authority grant is requested for indoor demonstrations. We have received authorization from the carrier to utilize their spectrum for these tests, and will not connect to their network. All testing will be conducted indoors. The first proposed demonstration will be held indoors within a hotel meeting area. The second demonstration will be located within the Los Angeles Convention Center. The equipment will be identical for both demonstrations.

Indoor Locations:

Operation: 9/5/2018 – 9/11/2018

InterContinental Los Angeles Downtown "DTALA"

900 Wilshire Blvd., 7th Floor

Los Angeles, CA 90017

Indoors only, within Hollywood Ballroom: 34° 3' 44" N, 118° 15' 39" W

Operation 9/12/2018 – 9/15/2018

Los Angeles Convention Center "LACC"

Level One, South Exhibit Hall

1201 South Figueroa Street,

Los Angeles, California 90015

Indoors only: 34° 2' 23" N, 118° 16' 15" W

Each Path length: Less than 3 meters

"Stop Buzzer" Contact stopbuzzer@intel.com
Steve Zollin
503-360-7306

Proposed Transmitter & Antenna Parameters:

Site Details					Transmitter Emission					
Location	Station Type			AGL meters	Antenna Type:	Antenna Gain dB	Maximum ERP dBm	Frequency GHz	Bandwidth MHz	Emission Designator MW7W
DTLA: Indoors, 7 th floor; each path length less than 3 meters.	FX to MO	34° 3' 44" N	118° 15' 39" W	30	pyramidal horn	17.5	20.35	28.0204 - 28.1204	100	100MW7W
	MO to FX	34° 3' 44" N	118° 15' 39" W	30	directional	15	20	28.0204 - 28.1204	100	100MW7W
LACC: Indoors, deep within South Exhibit Hall, Level One; each path length less than 3 meters.	FX to MO	34° 2' 23" N	118° 16' 15" W	2	pyramidal horn	17.5	20.35	28.0204 - 28.1204	100	100MW7W
	MO to FX	34° 2' 23" N	118° 16' 15" W	2	directional	15	20	28.0204 - 28.1204	100	100MW7W

Geographical Areas of Proposed Experiment:

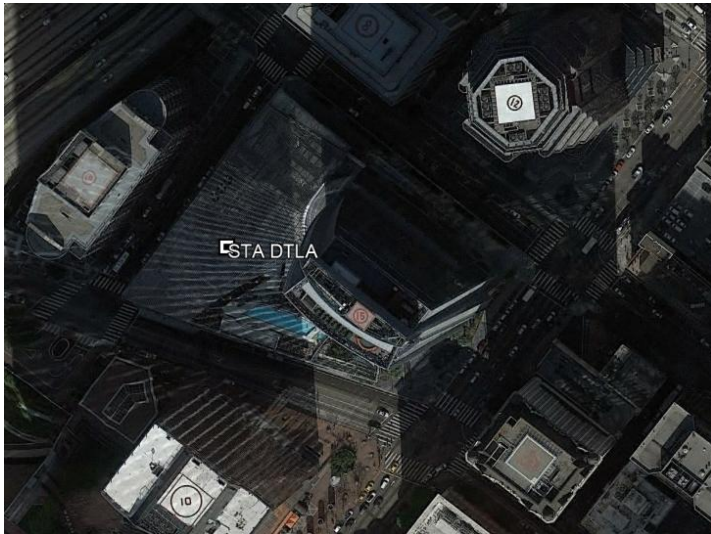
DTLA

InterContinental Los Angeles Downtown “DTALA”

7th Floor of a 73 story building, indoors only

34° 3' 44" N, 118° 15' 39" W

110 m AMSL, 30 m AGL



LACC

Los Angeles Convention Center “LACC”

Level One, South Exhibit Hall, indoors only

34° 2' 23" N, 118° 16' 15" W

71 m AMSL, 2 m AGL

