19-November-15

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 in 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. Over the air testing that is required to validate the designs, characterize propagation impact, and verify overall performances will start with in building tests during the first phase before being moved to an outdoor environment.

Request for Modification:
File Number: 0459-EX-PL-2015
Call Sign: WH2XXL

Location: Same
Intel Jones Farm Campus
2111 NE 25th Avenue, JF2-15
Hillsboro, OR 97124

Centered at SW corner of building JF3: 45-32'34.86" N, 122-57'41.12" W
Phase 1 – Indoors only
Phase 2 – Outdoor, covering courtyard area between buildings.

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Changed: Transmitter & Antenna Parameters

Site Details					Antenna					Transmitter Emission		
Radius	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 (MHz)	Bandwidth (MHz)	Designator (MW7W)
FROM: 250 meters TO: 400 meters Within a 400 m radius of inside corner of Building JF3 (21111 NE 25th AVE, Hillsboro, OR), either indoors or outdoors with the intended coverage area of the campus inside courtyard between buildings JF4 and JF1.	SAME MO – to - MO	SAME 45°32'34.86"N	SAME 122°57'41.12"W	SAME Not to Exceed 25 m	FROM: 4 Element Omni TO: Omni beam-forming	SAME n/a	FROM: 3.5dB TO: 3.5 to 14 dB maximum with beam-forming	FROM: 3.5dB TO: 3.5 to 14 dB maximum with beam-forming	FROM: 26.5 dBm EIRP TO: 34dBm ERP	FROM: 3800 - 4200 TO: 3400-4200	FROM: 400 TO: 100 200 300 400 500 600 700 800	FROM: 400 TO: 100 200 300 400 500 600 700 800

Changed: Radius of Geographical Area

From: 250 meters
To: 400 meters

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