



5 July-2016

**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.

**Proposed Demonstration:**

An Experimental Special Temporary Authority is requested for an indoor demonstration of wireless devices at a trade show. The proposed experiment will be located inside an exhibit hall from September 3rd through September 11, 2016.

**Location:**

Sands Expo and Convention Center  
36°07'18"N  
115°09'58"W  
636 meters AMSL

**Transmitter & Antenna Parameters:**

The proposed experiment of Intel’s advanced technologies will consist of demonstration of one type of equipment indoors: 28 GHz Mobile Trial Platform: 10 mobile units.

**Transmitter & Antenna Parameters:**

| Site Details   |              |                        |                         |         | Antenna |                |  |  |          | Transmitter Emission |                   |                               |
|--|--------------|------------------------|-------------------------|---------|---------|----------------|--|--|----------|----------------------|-------------------|-------------------------------|
| Location   | Station Type | Latitude (dd mm ss.ss) | Longitude (dd mm ss.ss) | AGL (m) | Type    | 3dB Beam Width | H-Gain (dBi)                           | V-Gain (dBi)                           | ERP (mW) | Frequency (GHz)      | Bandwidth (MHz)   | Emission Designator           |
| Indoors, within a 250 meter radius of center coordinates | MO – to – MO | 36°07'18"N             | 115°09'58"W             | 10      | Omni    | n/a            | 3.5 to 14 dB maximum with beam-forming | 3.5 to 14 dB maximum with beam-forming | 2512     | 26.5 – 29.0          | 100<br>200<br>300 | 100MW7W<br>200MW7W<br>300MW7W |

