



## Panasonic DSRC (5850-5925MHz) Experiment Proposal

### 1. Introduction

Panasonic Corporation is a worldwide leader in the development of diverse electronics technologies and solutions for customers in the consumer electronics, housing, automotive, enterprise solutions and device industries. Since its founding in 1918, the company has expanded globally and now operates 468 subsidiaries and 94 associated companies worldwide in 2015. To learn more about Panasonic: <http://www.panasonic.com/global>

Panasonic will have evaluation and field testing of 802.11p DSRC On-board Units ("OBU") inside moving vehicles. The test locations are within 100km radius of Panasonic Offices located in 37101 Corporate Dr. Farmington Hills, MI 48331, 75 Fifth Street NW Suite 1075 Atlanta, GA 30308, and 6144 North Panasonic Way, Denver, Colorado 80249.

### 2. Transmitter Information

OBUs consist of DSRC band 802.11p compliant devices, and GNSS receiving devices. The Transmitter Information including the maximum output power of mobile units is listed in Table 1.

**Table 1: Transmitter Information (DSRC band)**

Type	Frequency (MHz)	Power			Bandwidth (MHz)	Emissions Designator:
		EIRP (dBm)	EIRP (W)	ERP (W)		
OBU	5850-5925	29 dBm	794 mW	485 mW	10	10M0W7W

Up to 10 OBUs will be tested around Panasonic Offices. Locations of Testing are described in Table 2.



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**Table 2: Location of Testing**

Type	Address	Latitude	Longitude	Radius(km)	Antenna Type:
OBU	37101 Corporate Dr. Farmington Hills, MI 48331	North 42°29'38"	West 83°24'52"	100	Omni
OBU	75 Fifth Street NW Suite 1075 Atlanta, GA 30308	North 33°46'38"	West 84°23'22"	100	Omni
OBU	6144 North Panasonic Way, Denver, Colorado 80249	North 39°48'31"	West 104°46'51"	100	Omni

### 3. Contact Information

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