Panasonic

Automotive & Industrial Systems Company
Panasonic Corporation

Panasonic DSRC (5850-5925 MHz) 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 location is within 100km radius of Panasonic Offices located in 37101 Corporate Dr. Farmington Hills, MI 48331.

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

3. Contact Information

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4. Applicant Information

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