



Panasonic C-V2X (5850-5925 MHz) Experiment Proposal

1 Introduction and Test Activity Overview

The Panasonic V2X Team in Denver, CO intends to leverage Qualcomm, Ficos, and Kapsch C-V2X technology to help drive forward the potentially life saving technology by testing and evaluating the C-V2X units at our Pena Station Next test bed facility and as requested across the state of Colorado.

Panasonic is requesting an experimental license in the range of 5850-5925 MHz to develop and test C-V2X radio technology with the goal of studying the applications and services for the Vehicle to Vehicle and Vehicle to everything market.

Low power testing will predominantly operate at Panasonic's test bed facility in Denver, CO but testing and demonstrations can also occur anywhere in the state of Colorado.

The focus of testing is with vehicle mounted systems as well as fixed sites at test sites in Colorado.

Transmitters will utilize either 1 or 2 low power RF channels with either a 10 MHz or 20 MHz transmission bandwidth.

2 Transmitter Information

Panasonic is requesting a statewide license to experiment with commercial and prototype C-V2X devices using a 10 or 20 MHz transmission bandwidth

Table 1 Transmitter Information

Type	Frequency (MHz)	Power (dBm EIRP)	Power (W EIRP)	Power (W ERP)	Bandwidth (MHz)	Emissions Designator:	Location:
Mobile	5850-5925	23	0.2	0.122	10 and 20	10M00W7W 20M00W7W	Colorado-Statewide
Fixed	5850-5925	23	0.2	0.122	10 and 20	10M00W7W 20M00W7W	Colorado-Statewide
Mobile	5850-5925	33	0.2	0.122	10 and 20	10M00W7W 20M00W7W	Colorado-Statewide
Fixed	5850-5925	33	0.2	0.122	10 and 20	10M00W7W 20M00W7W	Colorado-Statewide