



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

1 Introduction and Test Activity Overview

The Panasonic V2X Team intends to leverage Ficosa and Kapsch C-V2X technology to help drive forward the potentially life saving technology by testing and evaluating the C-V2X units as requested across the state of Utah.

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.

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

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 | Utah- Statewide |
| Fixed | 5850-5925 | 23 | 0.2 | 0.122 | 10 and 20 | 10M00W7W 20M00W7W | Utah- Statewide |
| Mobile | 5850-5925 | 33 | 0.2 | 0.122 | 10 and 20 | 10M00W7W 20M00W7W | Utah- Statewide |
| Fixed | 5850-5925 | 33 | 0.2 | 0.122 | 10 and 20 | 10M00W7W 20M00W7W | Utah- Statewide |