**CITY OF ORANGE, TEXAS**

**800 MHz RADIO MODIFICATION PROJECT**

**REGION 51 REGIONAL REVIEW COMMITEE**

**And Technical/Frequency Advisory Committee**

**“APPLICATION FOR SPECTRUM ALLOTMENT”**

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***Date: OCTOBER 16, 2022***

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***Prepared by***



***The Spectrum Firm, Inc. – 2213 Cypress Court, Flower Mound, TX 75028***

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**1. INTRODUCTION**

**Introduction to the support documents and request.**

We respectfully submit to the 800 MHz Regional Planning Committee of Region 51, (in the great State of Texas), a request for modification of their FCC licensed radio frequencies for the City of Orange (WNVP234), in Orange County, Texas. The original frequency pairs on that license had no interference issues, that we are aware of, and we are requesting only to move from existing site to a new site that is 2 meters lower by elevation and 83 meters lower on the tower, plus it’s within the City of Orange, Texas.

The frequencies **licensed** to Orange, City of, are listed in Chart #1 below:

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **CAPRAD Region 51 - Texas - Houston - Orange County** | | | | | | |
|  | | | | | | |
| Geocoordinates: 30-09-29.4N, 093-45-09.3W | | | | | | |
| **Class** | **Band Width** | **Channel** | **Base Frequency** | | **Mobile Frequency** | **Notation** |
| 800 | 25kHz | Mutual Aid | | 851.0125 | 806.0125 | Currently Licensed WNVP234 |
| 800 | 25kHz | Mutual Aid | | 851.2125 | 806.2125 | Currently Licensed WNVP234 |
| 800 | 25kHz | Mutual Aid | | 852.0125 | 807.0125 | Currently Licensed WNVP234 |
| 800 | 25kHz | Mutual Aid | | 852.2125 | 807.2125 | Currently Licensed WNVP234 |
| 800 | 25kHz |  | | 854.3875 | 809.3875 | Currently Licensed WNVP234 |
| 800 | 25kHz |  | | 854.9625 | 809.9625 | Currently Licensed WNVP234 |
| 800 | 25kHz |  | | 855.2125 | 810.2125 | Currently Licensed WNVP234 |
| 800 | 25kHz |  | | 856.4375 | 811.4375 | Currently Licensed WNVP234 |
| 800 | 25kHz |  | | 857.4375 | 812.4375 | Currently Licensed WNVP234 |
| 800 | 25kHz |  | | 858.4375 | 813.4375 | Currently Licensed WNVP234 |
| 800 | 25kHz |  | | 859.4375 | 814.4375 | Currently Licensed WNVP234 |

Chart #1

Based on a quick view here, there is at least seven (7) frequency pairs of 800 MHz frequencies that are NON-NPSPAC, thus **not** with-in the jurisdiction of Region 51 Planning Committee. We evaluated them and did the contour maps on them.

The City of Orange, Texas points out here that the only reason for submitting this Application through the Region 51 Committee is the continuance of the Mutual Aid 800 MHz channels from the existing site to the new site. Those channels are part of the NPSPAC frequencies.

Respectfully Submitted,

The Spectrum Firm, Inc.

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***2213 Cypress Court,***

***Flower, TX 75028***