

## Compliance with 47 C.F.R. 73.525

### Introduction

There are several considerations outlined in 47 C.F.R. 73.525 for TV Channel 6 protection. Outlined below are the various factors as they apply to the proposed operation and WDSU-TV.

#### **Distance between proposed operation and WDSU-TV**

47 C.F.R. 73.525(a)(1) requires a minimum separation of 154 km for a channel 220 operation. The distance between the proposed station and WDSU-TV is 48.8 km.

#### **Population Limitation**

When a proposed non-commercial station is not co-located with the channel 6 station question, the applicant is required to show that the interference area (as predicted by the procedures outlined in 47 C.F.R. 73.525(e)(1)) contains no more than 3,000 persons.

#### **Vertically Polarized Transmissions**

When an applicant wishes to use vertically polarized transmissions only, C.F.R. 74.525(e)(4) limits the vertical ERP to the maximum permissible horizontally polarized ERP multiplied by 40 (if the predicted interference area lies entirely outside the limits of a city of 50,000 persons) or 10 (if not). The maximum permissible horizontally polarized ERP for the proposed facility is 2.25 kilowatts (See Exhibit 19-A).

Since the predicted interference area lies entirely outside the limits of a city of 50,000 persons, that is multiplied by 40 to obtain the vertical-only ERP of 90 kilowatts specified in this application.

All population limits were calculated using the maximum permitted horizontally polarized-only power of 2.25 kilowatts. The actual population figures are contained in Exhibit 19-B, and a map of the interference area is shown at Exhibit 19-A.

### Discussion

Population in the predicted interference area was determined using the centroid method and the 2000 census. The predicted interference contour (of the theoretical horizontal component of 2.25 kilowatts) is contained within the WDSU channel 6 grade B (47 dBu F(50,50)) contour (see Exhibit 19-A). The predicted interference contour is determined from 47 C.F.R. 73.599 Figure 1 for channel 220 to be 86 dBu.

Exhibit 19-A shows the 47 dBu F(50,50) contour for WDSU and the corresponding F(50,10) interfering contour for the proposed channel 220 facility. Exhibit 19-B is a population report of the area contained within the interfering contour. The total population contained within the interfering contour is 1,637 persons.

### Conclusion

Therefore, the proposed operation is within the limitations of 47 CFR 73.525(c).

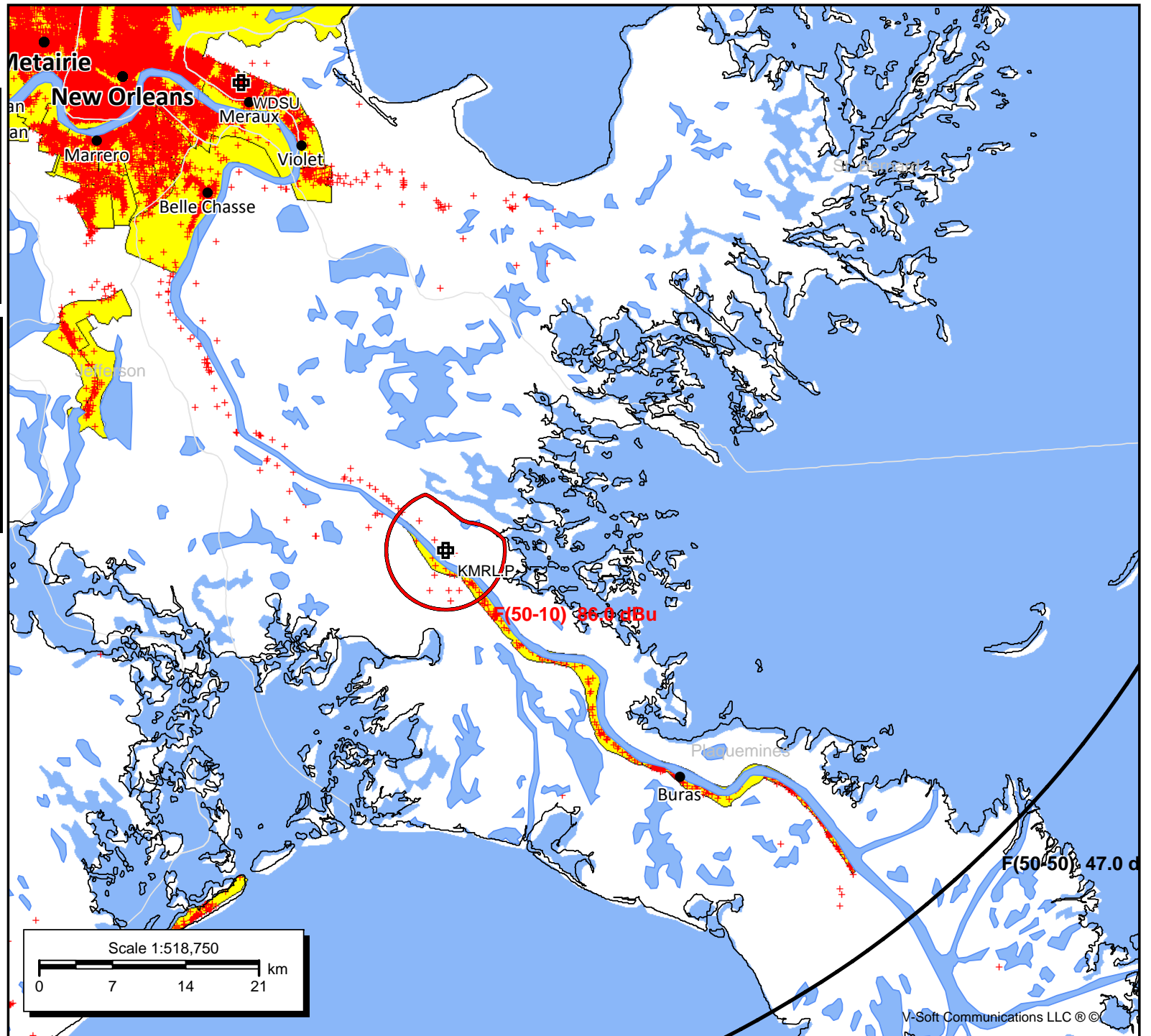
## Exhibit 19-A

### KMRL.P

Latitude: 29-32-49 N  
Longitude: 089-45-18 W  
ERP: 2.25 kW  
Channel: 220  
Frequency: 91.9 MHz  
AMSL Height: 126.0 m  
Horiz. Pattern: Directional

### WDSU

BMLCT20031218ACA  
Latitude: 29-56-59 N  
Longitude: 089-57-28 W  
ERP: 100.00 kW  
Channel: 06Z  
Frequency: 85.0 MHz  
AMSL Height: 285.0 m  
Horiz. Pattern: Omni



## Exhibit 19-B

### V-Soft Communications Population Report

#### Contour Parameters:

Type: FCC Contour

F(50-10) FS: 86.00 dBu [360 Radials]

Population Database: 2000 US Census (SF1)

Primary Terrain: V-Soft 30 Second US Database

Secondary Terrain: V-Soft 3 Second US Terrain

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#### Transmitter Information:

Call Letters: KMRL.P

Latitude: 29-32-49 N

Longitude: 089-45-18 W

ERP: 2.25 kW

Channel: 220

Frequency: 91.9 MHz

AMSL Height: 126.0 m

Elevation: 1.0 m

Horiz. Antenna Pattern: Directional

Vert. Elevation Pattern: No

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Total Population Within Contour: 1,637

Total Housing Units Within Contour: 699

Total Area Within Contour: 88.45 sq. km

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	Housing Units	Population
Louisiana		
Plaquemines Parish		
KMRL.P	699	1,637