

Engineering Statement Regarding Second &/or Third Adjacent Channel Interference With Additional Comments regarding Co-Channel Interference

This application proposes an FM translator modification for K220IM that will, according to the FCC Rules cause interference to facilities on either or both of the second or third adjacent channels in the area immediately surrounding the proposed FMT site.

In this case, KLZV is thus affected. The applicant will demonstrate with map diagrams and/or text descriptions that demonstrate that the interference, while predicted, will not cause actual interference.

The interference area with KLDV is outlined in the attached maps and satellite photographs, as an area to the east of the proposed site which is farmland and an electrical power station. The attached population count confirms that the area has no population or housing units. These are also confirmed by the attached satellite photograph.

The applicant hereby requests a waiver of section 73.1204 of the rules based on paragraph 73.1204(d) of the rules, in that the proposed or possible areas of interference are uninhabited and/or unpopulated and thus will there not be caused any actual interference.

In making these requests, the applicant submits that by granting them, the Commission would allow additional service that would otherwise not be permitted, and that are in conformity with the Commission's rules. The public interest would thus be served.

V-Soft Communications Population Report for Interference Area

K220IM as proposed vs. KLZV

This overlap region consists of the intersection of the following contours:

K220IM Mod: FCC F(50-10) 100.00 dBu

KLZV: FCC F(50-50) 60.00 dBu

Population Database: 2010 US Census (PL)

Total Population Within Overlap Region: 0

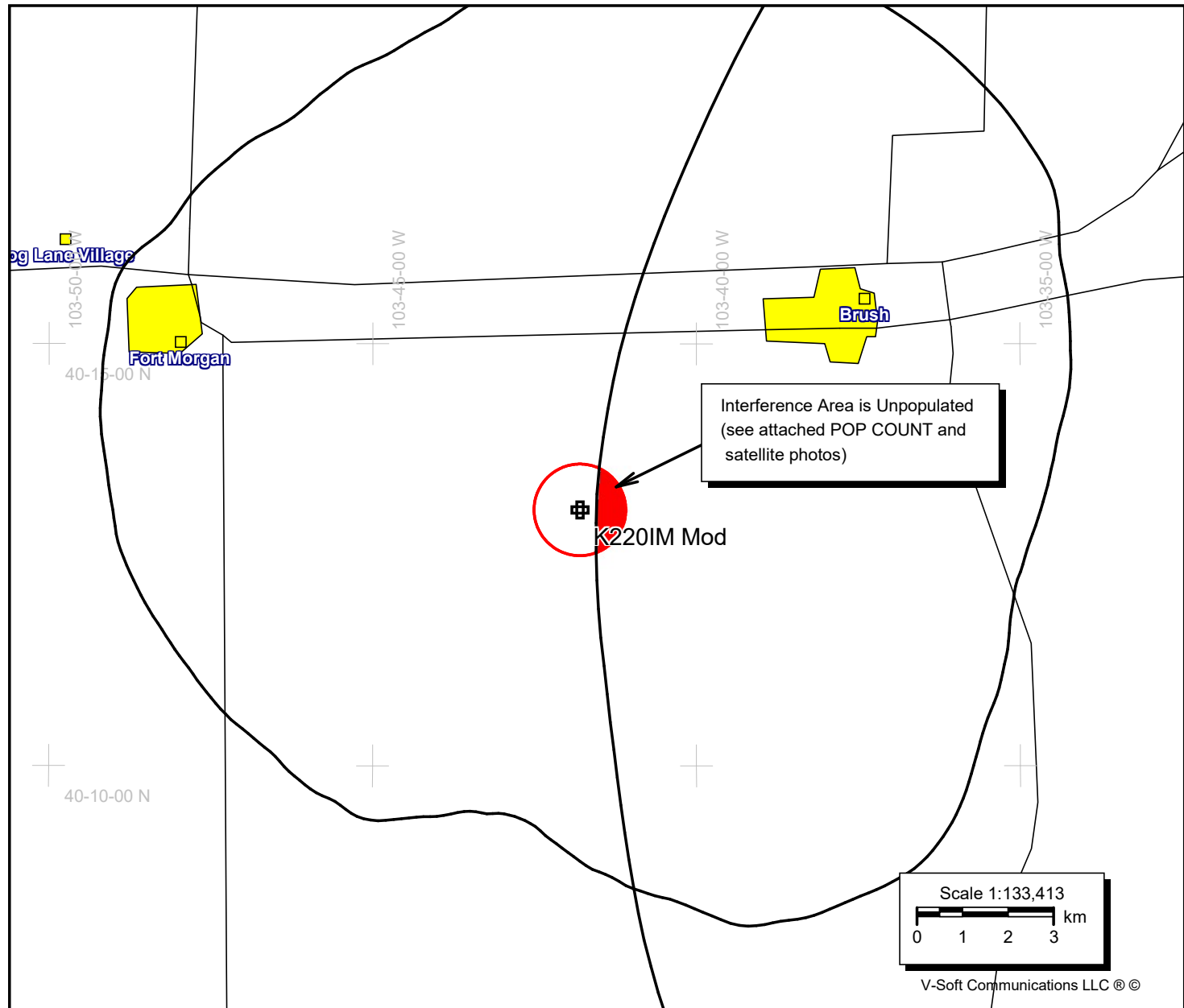
Total Housing Units Within Overlap Region: 0

Total Area Within Overlap Region: 0.70 sq. km

Interference Area - K220IM-Modified vs KLZV - UNPOPULATED

K220IM Mod

Latitude: 40-13-02 N
Longitude: 103-41-48 W
ERP: 0.205 kW
Channel: 220
Frequency: 91.9 MHz
AMSL Height: 1396.0 m
Elevation: 1340.04 m
Horiz. Pattern: Omni
Vert. Pattern: No
Prop Model: None



Interference vs KLZV-no population

Write a description for your map.

Legend

- Feature 1
- Xcel Energy Pawnee Plant

Pawnee Raw Water Reservoir

Pawnee Evaporation Pond 1, 2 and 3 Reservoir

<-- Interference
Area - Unpopulated