

## **EXHIBIT 16 NEW FM Culbertson, NE**

### **FCC FAIR DISTRIBUTION OF SERVICE (307(b)) STUDY FIRST AND SECOND NCE COVERAGE**

A search of the FCC records shows the following Non Commercial FM stations within 70 miles of Culbertson, NE or having coverage areas approaching the proposed FM 60dbu contour. This study excludes Class D and Translator stations. All Coverage of the proposed FM is First NCE coverage and covers some 569.8 SQ kM.

KZNK Brewster, KS

KLNE Lexington, NE

KPNE North Platte, NE

KSNB Norton, KS

KANA Hill City, KS

These station 60dbu contours are on Exhibit 16A.

The 60 dbu coverages taken from FCC records are shown on the map below. There is no overlapping 60dbu coverage with any station.

Populations were counted using the US Census Subdivision block maps. Subdivisions where there was less than 100% of coverage in any given count status were interpolated. I.E. if 25% area of a subdivision of 100 persons was covered then the count would be 25 persons.

**EXHIBIT 16 NEW FM Culbertson, NE, Continued**

Column 1 of this table shows that Census Block Subdivision’s name. Column 2 shows the total population of the entire subdivision. 3<sup>rd</sup> column shows the total area in Square Kilometers in that subdivision. 4<sup>th</sup> Column shows the area within the 60dbu contour of the proposed station minus large areas of water (lakes) (However, There are no lakes in this area to exclude) The final column shows the population within the 60dbu contour counted by interpolation (Column4 divided by Column 3 times the population in column 2.

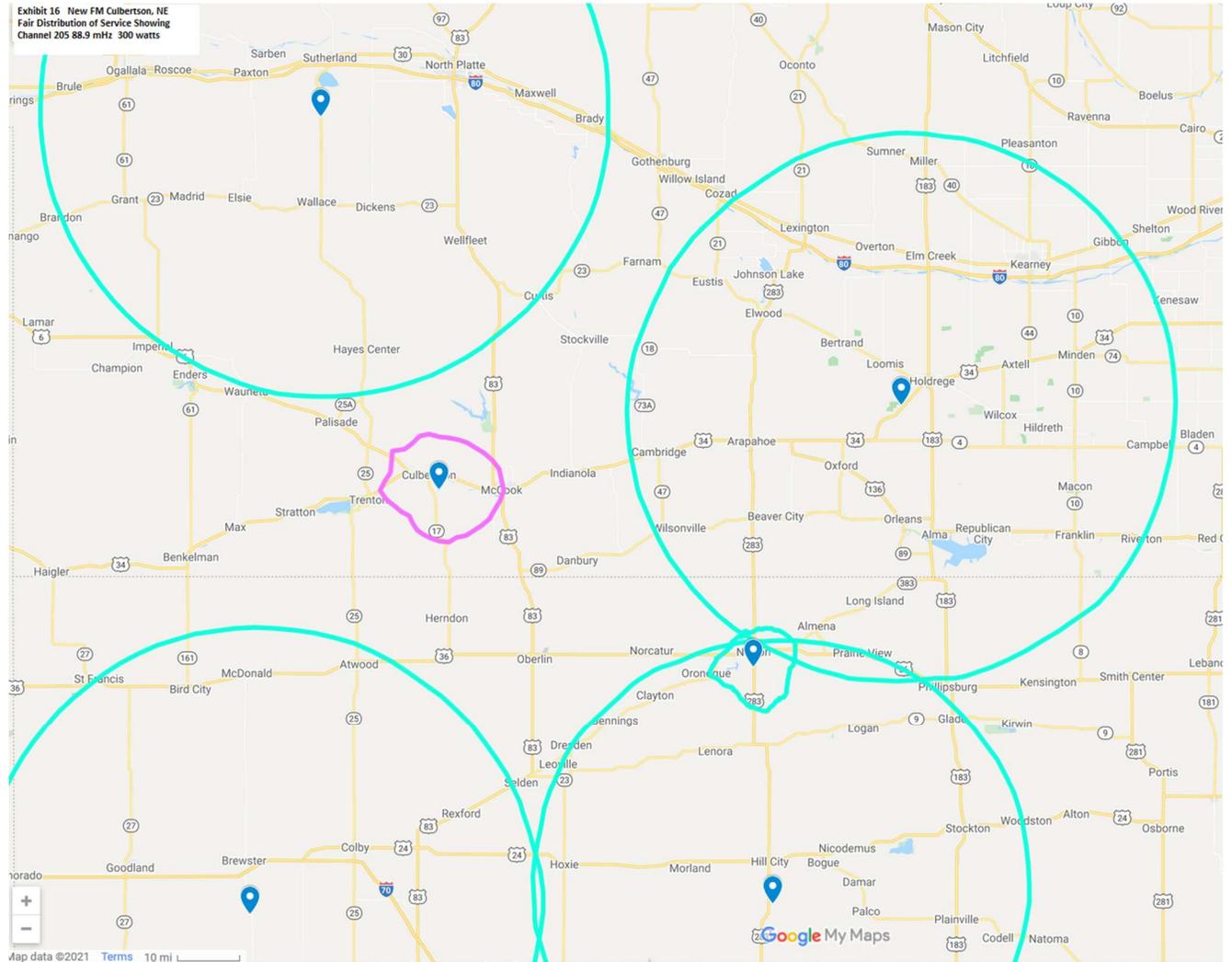
<u>Census Subdivision</u>	<u>Total SubDivision Population</u>	<u>Total Subdivision SQ KM minus water</u>	<u>60dbu SQ KM</u>	<u>60dbu Population</u>
Driftwood precinct, Hitchcock County, NE	18	90.7	6.2	1
Culbertson precinct, Hitchcock County, NE	800	94.0	94.0	800
Grant precinct, Hitchcock County, NE	39	94.3	28.2	12
Riverside precinct, Hitchcock County, NE	123	93.2	73.3	97
Pleasant Hill precinct, Hitchcock County, NE	61	91.7	16.6	11
Blackwood precinct, Hitchcock County, NE	58	91.2	49.7	32
McCook city, Red Willow County, NE	7698	14.0	6.8	3728
Perry precinct, Red Willow County, NE	395	93.0	92.2	392
Coleman precinct, Red Willow County, NE	23	92.5	21.5	5
Driftwood precinct, Red Willow County, NE	95	87.3	74.9	82
Willow Grove precinct, Red Willow County, NE	598	91.9	8.9	58
Valley Grange, Red Willow County, NE	250	83.9	3.7	11
Logan Precint, Hitchcock County NE	40	93.8	93.8	40
<b>TOTALS:</b>			<b>569.8</b>	<b>5268</b>

100% of the coverage of the new FM is First NCE Service. A map is included of any other nearby NCE FM full service stations (not translators nor AM or LP stations) as Exhibit 16A

Complete US Census subdivision maps are included in Exhibit 15 of the technical exhibit for reference.

Since 100% of the 60dbu contour as shown on the map in Exhibit 16A this would mean first service for all, totaling some 5,268 persons. This is over the 2000 person threshold and qualifies the applicant for a First Service 307.(b) preference over all other applications.

## EXHIBIT 16A Map



The purple contour is the proposed FM 60dbu. The Blue contours are those of existing NCE FM stations nearby. All service for the new FM will be FIRST SERVICE.