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Nevada Public Radio, Inc.
New Non-Commercial Educational Station
Class C1, Channel 212, Winnemucca, NV
41-00-31.4 N, 117-46-12.8 W – ERP = 2 KW – RCAMSL = 2066 Meters

The applicant seeks new NCE Station serving Winnemucca, Nevada on Channel 212.

Allocation Considerations

The facility is fully compliance pursuant to 73.525, 73.209 and all other rule sections with respect to interference with existing broadcast authorizations and applications.

ComStudy 2.2 search of Channel 212 (Class C1) at (NAD 83) 41-00-31.4 N, 117-46-12.8 W.

CALL	CITY	ST	CHN	CL	DIST	SEP	BRNG	CLEARANCE
KKTO	TAHOE CITY	CA	213	C	260.85	209.0	224.3	12.85 dB
KPKW	SUSANVILLE	CA	212	A	244.64	200.0	256.3	19.13 dB
KQNV	FALLON	NV	210	C1	156.16	82.0	219.1	30.93 dB
KQMC	HAWTHORNE	NV	211	C2	295.84	158.0	197.0	37.16 dB

Community of License Coverage

The proposed f(50,50) 60 dBu Contour serves 100 percent of the Community of License and 100 percent of the land area of Winnemucca, Nevada Attached is a map to demonstrate this.

Height Above Average Terrain

Using the FCC Online Computer Program HAAT, using the proposed geographic coordinates, radiation center and the eight cardinal radials, the Height Above Average Terrain for the proposed antenna is 656 meters.

The 8 cardinal radial data results are below:

0°	509.1 m
45°	727.6 m
90°	706.0 m
135°	478.5 m
180°	741.3 m
225°	742.8 m
270°	615.3 m
315°	726.3 m

TV 6 Considerations

There are no Full-Service or Class A TV 6 Licenses, Permits or Applications within the threshold distance pursuant to 47 CFR Section 73.525. No further showing is required.

Canadian or Mexican Allocation Considerations

The proposed facility is greater than 320 km from the common border of the United States and Canada or Mexico. No Showing is Required.

Fair Distribution of Service

The applicant has proposed a facility that provides 100 percent of First NCE Service in the predicted f(50,50) 60 dBu Contour. Attached is a map that shows the area and population of first NCE service.

Basis for Land Area and Population Coverage (Technical Parameters)

Attached is a map showing the f(50,50) 60 dBu new area using USGS 3 arc-second terrain data and the population contained in the calculated area. The map shows a Census 2010 population density color underlay representation of the population served. The count was made by Radiosoft Comstudy.

The new area served in the Points System Factors/Tiebreakers – Technical Parameters Section is 8960.6 square kilometers. The basis for this calculation is the f(50,50) 60 dBu contour area. No derating for water is included since the only water areas covered by the proposed contour are streams and small rivers unable to be calculated using available tools.

The new population served in the Points System Factors/Tiebreakers – Technical Parameters Section is 16550. The basis for this calculation is the f(50,50) 60 dBu contour area overlay with Census 2010 population block centroids.

Environmental Statement

The applicant has proposed to co-locate the proposed transmitting antenna and equipment on and existing, established communications tower facility. Using the FCC computer program, FM Model and using a proposed antenna of ERI LP-2C antenna (Opposed U, 2-Bay Half-Wave Spaced) antenna type, with 2 KW ERP (Horizontal and Vertical) at a height above ground level of 12 meters, the maximum RF radiation level reaching 2 meters above ground is 118.87 microwatts per centimeter squared. This is within the level of both General Population and Occupational standards set forth in OET Bulletin 65 and successor documents.

Other RF facilities exist on the Winnemucca Mountain communications antenna farm. Due to inaccuracies in the records vs. the constructed facilities, the application will submit to a Special Operating Condition to measure the RF Radiation and post warning signs to protect the general public and workers from RF radiation exposure in excess of that detailed in OET Bulletin 65 and successor documents.

- End of Report -

Attachments:

1. Community of License Coverage Map.
2. f(50,50) 60 dBu contour map showing population overlay and land area covered.
3. f(50,50) 60 dBu contour map showing the First NCE Service Area.