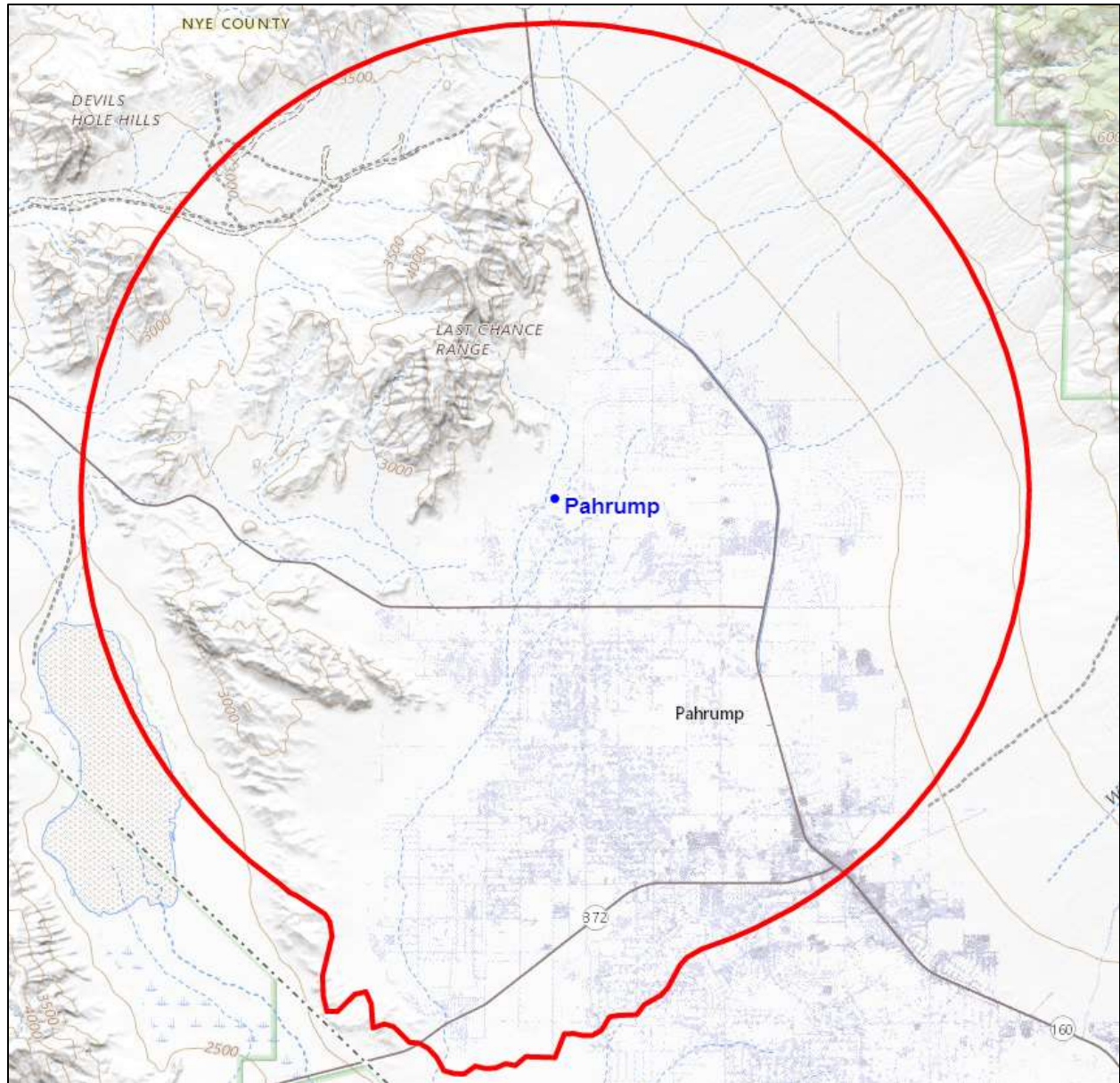




**REC Networks/Michelle Bradley, CBT**  
11541 Riverton Wharf Rd.  
Mardela Springs, MD 21837  
844.REC.LPFM/202.621.2355  
recnet.com

Original Construction Permit  
**PAHRUMP, NV**  
**AOK BROADCASTING**

### **PROPOSED 60dBu F(50,50) SERVICE CONTOUR**



PAHRUMP, NV – Channel 215A (90.9 MHz) ~ ERP 1.5 kW  
Elev: 790 meters ~ RCAGL: 19 meters ~ RCAMSL: 809 meters ~ HAAT: -135 meters  
Overall tower height: 20 meters – ASR: None  
NAD83 Latitude: 36° 17' 13.3" NL – Longitude: 116° 03' 30.1" WL  
NAD27 Latitude: 36° 17' 13.4" NL – Longitude: 116° 03' 27.0" WL

**COMPREHENSIVE EXHIBIT – PAHRUMP, NV**

AOK Broadcasting  
NEW(FM) – Pahrump, Nevada  
Channel 215A – 90.9 MHz

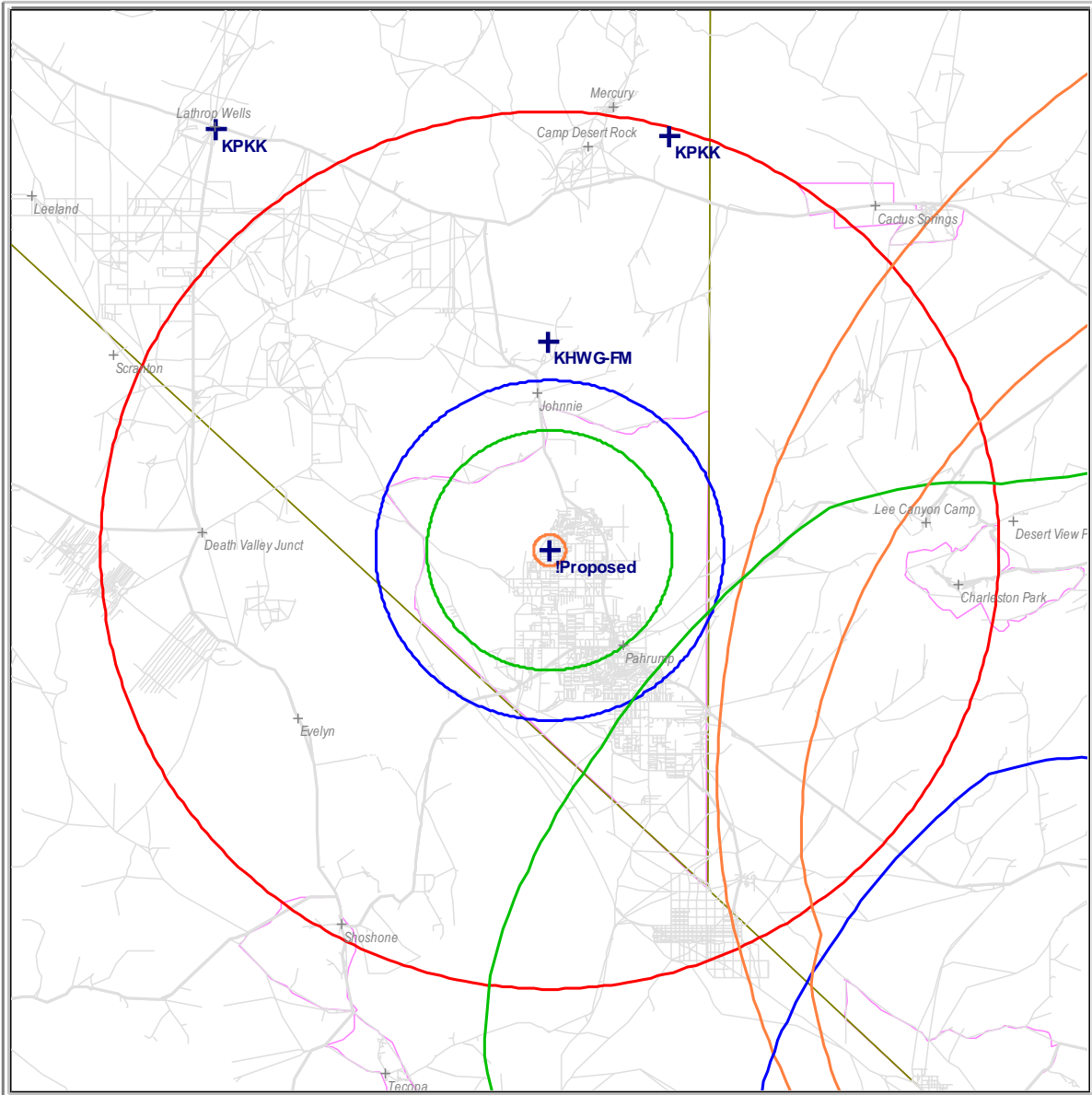
Contour Protection.....	§73.509(a)	3
Community of License Coverage.....	§73.515	5
Population and Land Area Showing.....	§73.7003	7
Fair Distribution Showing.....	§73.7002	7
Other Attributable Interests.....		9
Site Assurance Contact Information.....		9
Educational Statement.....	§73.503	9
NEPA Compliance.....		10

No impacted Channel 6 stations for channel selected.

ComStudy 2.2 search of channel 215 (90.9 MHz Class A) at 36-17-13.4 N, 116-03-27.0 W.

CALL	CITY	ST	CHN	CL	DIST	SEP	BRNG	CLEARANCE
KVKL	LAS VEGAS	NV	216	C1	101.74	133.00	135.8	1.09 dB
KSOS	LAS VEGAS	NV	213	C	99.61	95.00	107.9	7.08 dB
KUNV	LAS VEGAS	NV	218	C1	98.86	75.00	112.3	10.90 dB
KPFK	LOS ANGELES	CA	214	B	292.55	113.00	219.2	32.26 dB

## Contour Protection - §73.509(a)



Map Scale: 1:509221 1 cm = 5.09 km V/H Size: 100.83 x 98.19 km

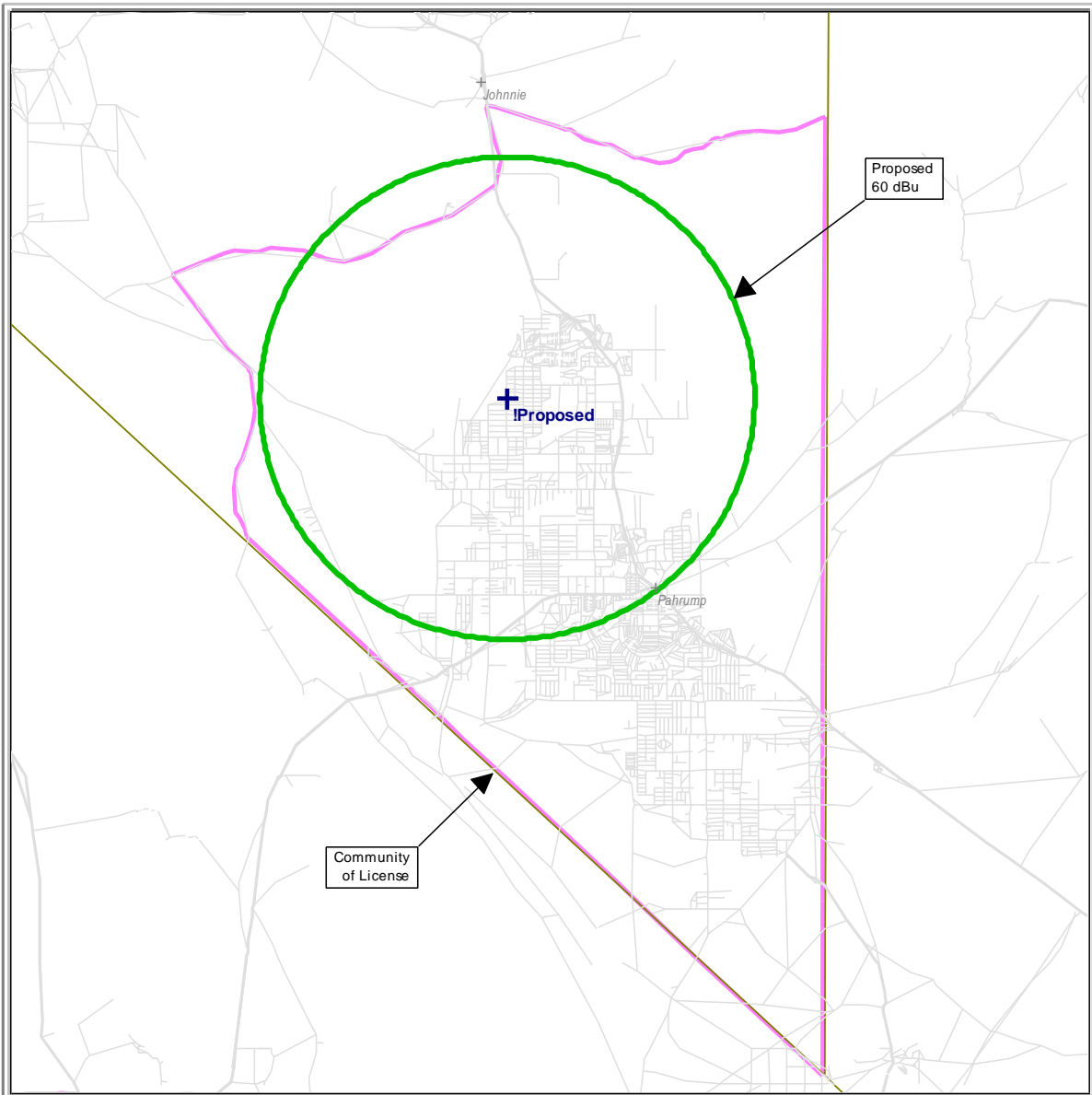
GREEN: Incumbent interfering contour into Proposed 60 dBu service contour.

RED: Proposed 40 dBu interfering contour into Incumbent 60 dBu service contour (co-channel)

BLUE: Proposed 54 dBu interfering contour into Incumbent 60 dBu service contour (first-adjacent)

ORANGE: Proposed 100 dBu interfering contour into Incumbent 60 dBu service contour (second/third-adjacent)

## Community Coverage §73.515



Map Scale: 1:252808 1 cm = 2.53 km V/H Size: 50.06 x 48.75 km

Proposed facility does not place a service contour over 100% of Pahrump. See next page.

## **COMMUNITY COVERAGE**

AOK Broadcasting  
NEW(FM) – Pahrump, Nevada  
Channel 215A – 90.9 MHz

As shown on the previous map, the proposed facility does not place a 60 dBu service contour over the entire corporate limits of the Town of Pahrump, Nevada, a community with an unusually large overall land area compared to other communities of similar population.

§73.515 of the Commission's Rules permits community coverage if the minimum field strength of 1 mV/m (60 dBu) will be provided over at least 50 percent of its community of license or reach 50 percent of the population within the community.

First, a portion of the proposed 60 dBu service contour covers an area outside of the corporate limits of Pahrump. A search of 2010 Census Blocks in this area indicates that there is zero population in this area. With that said, we can determine that 100 percent of the population that is within the 60 dBu service contour is within the corporate limits of Pahrump.

According to the 2010 US Census Bureau Gazetteer, Pahrump is a Census Designated Place with a total population of 36,441.

The proposed facility has a 60 dBu service contour population of 19,166 persons, based on 2010 US Census Block data, in which we have determined that 100 percent of those persons reside within the corporate limits of Pahrump. This accounts for 52.6 percent of the Town of Pahrump.

As the instant facility proposes to provide a 60 dBu contour to 52.6 percent of the community of license, the application meets the community coverage requirements of §73.515.

## **POPULATION AND LAND AREA STUDY**

AOK Broadcasting  
NEW(FM) – Pahrump, Nevada  
Channel 215A – 90.9 MHz

PROPOSED FACILITY IS CLAIMING SECOND EDUCATIONAL SERVICE §307(b)  
PRIORITY BASED ON  
17,991 PERSONS (93.9%) AND 481.50 SQ KM LAND AREA (95.5%).

2010 Census Block Centroid data for target facility:  
Population: 19166 persons  
Land Area: 504.08 square kilometers

Overlapping facilities considered:

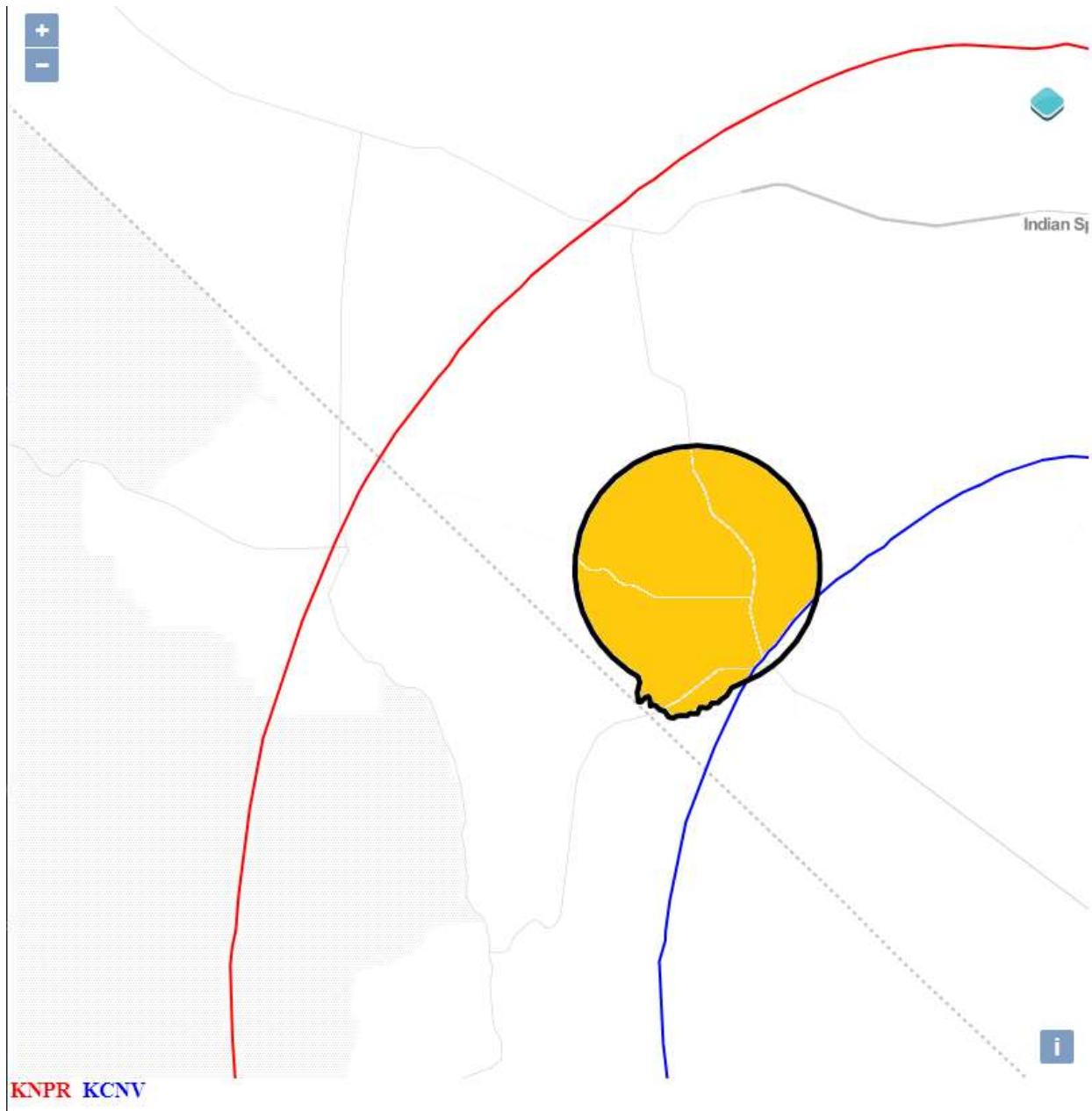
KNPR - File No. BLED-20070424AAW  
Overlapping population: 19166 persons  
Overlapping land area: 504.08 square kilometers.

KCNV - File No. BLED-20031205AFP  
Overlapping population: 1175 persons  
Overlapping land area: 22.58 square kilometers.

First Educational Service:  
Population: 0 persons  
Land area: 0.00 square kilometers

Second Educational Service:  
Population: 17991 persons  
Land area: 481.50 square kilometers

At Least Third Educational Service:  
Population: 1175 persons  
Land area: 22.58 square kilometers



Orange area – Second educational service

Black contour – proposed 60 dBu

Other color contours are 60 dBu contours of other facilities respective with the color-coded callsigns shown.



### **OTHER ATTRIBUTABLE INTERESTS**

AOK Broadcasting  
NEW(FM) – Pahrump, Nevada  
Channel 215A – 90.9 MHz

All parties to this application have no attributable interests in any other broadcast station, including non-fill in FM translators nor does any party to the application have any attributable interest in any newspaper of general circulation within the proposed community of license..

### **SITE ASSURANCE CONTACT INFORMATION**

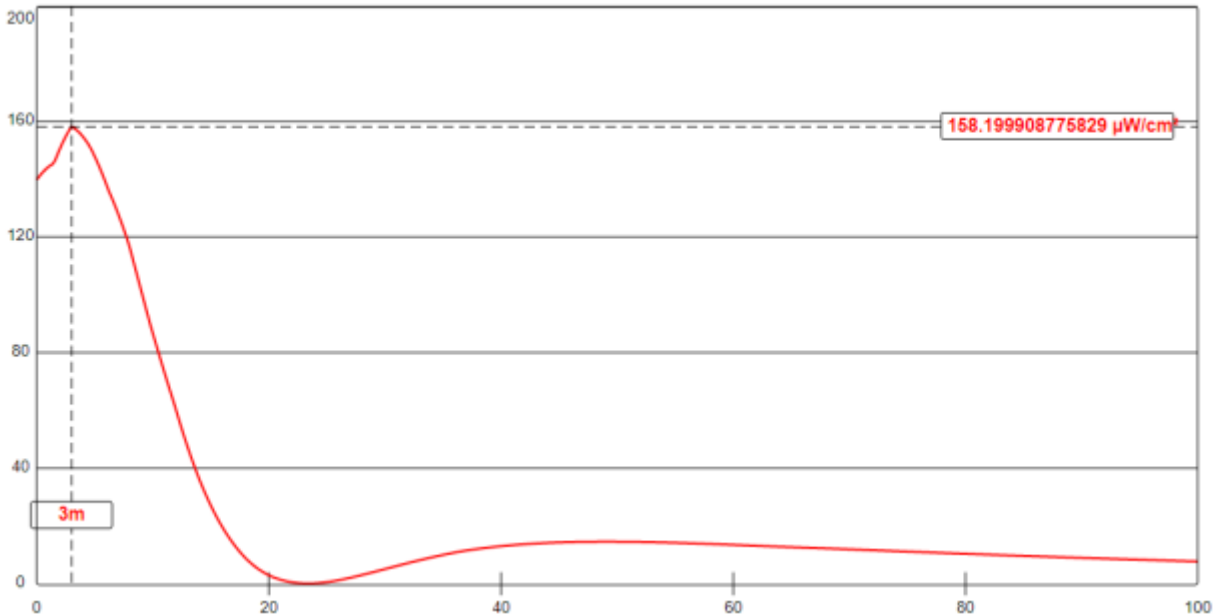
Leslie McQuade  
Authorized Representative  
775 764-1771

### **EDUCATIONAL STATEMENT**

STEAM education is the key to America's future. Southern Nevada, particularly Nye County, lags behind the rest of the country in the critical area. The station plans to partner with the local community colleges, high schools and middle schools to provide opportunities for their students to gain valuable hands-on experience in the fields of broadcasting, video making, sound and video editing as well as radio and sound engineering. All of these are growth industries, and this type of hands-on experience can be translated into long term gainful employment in any of these fields. In addition, we plan to run several educational programs including a life skills series teaching the valuable skills that may be misused in the classroom such as how to budget, apply for and interview for a job and even a basic understanding of contracts. Furthermore, we will be encouraging direct participation in this program by the people that it seeks to serve.

## NEPA COMPLIANCE

AOK Broadcasting  
NEW(FM) – Pahrump, Nevada  
Channel 215A – 90.9 MHz



The instant application is proposed an effective radiated power of 1.5 kW vertical and 1.5 kW horizontal. Using the Commission's FM MODEL software and utilizing a worst-case scenario EPA-1 two-bay antenna at 0.85 wavelength spacing and based on a height of 19 meters, it has been determined that the power density would be no greater than 158.2  $\mu\text{W}/\text{cm}^2$  at any point, which would exceed the general population/controlled exposure guideline of 200  $\mu\text{W}/\text{cm}^2$ .

In the instant application, the applicant is certifying that the RF exposure in all occupied areas is well within the guidelines of in accordance with OET Bulletin No. 65, Edition 97-01, August 1997.

Report prepared by:

Michelle Bradley, CBT  
REC Networks

September 23, 2021