

Antenna Structure Registration: 1221846 State: NV
City: MCCARRAN
Channel: 253

Do you have an FCC Antenna Structure Registration Number?: Y
Yes/No/Filed with the FAA No

Latitude: 39-33-8.7 N
Longitude: 119-32-3.9 W
Structure Type: TOWER
Overall Structure Height: 79.5
Support Structure: 77.1
Ground Elevation: 1391.3

**TECHNICAL ATTACHMENT
NEW LPFM FOR MCCARRAN, NV**

Antenna Data

	HORIZONTAL	VERTICAL
Height of Radiation Center Above Ground Level	30	30
Height of Radiation Center AMSL	(FORM CALCULATES)	
Min Radiated Power	(FORM CALCULATES)	
Max Radiated Power	(FORM CALCULATES)	

Antenna Type

Directional
Non-Directional X

Directional Antenna

Technical Certification

Environmental Effect

*Would a Commission grant of Authorization for this location be an action which may have a significant environmental effect? See 47 C.F.R. Section 1.1306?

NO

Interference

Does the applicant certify that the proposed facility complies with engineering requirements...?

NO

SPACING

REFERENCE
39 33 08.70 N. CLASS = L1 DATA 10-16-23
119 32 03.90 W. Current Spacings to 2nd Adj. SEARCH
12-08-23

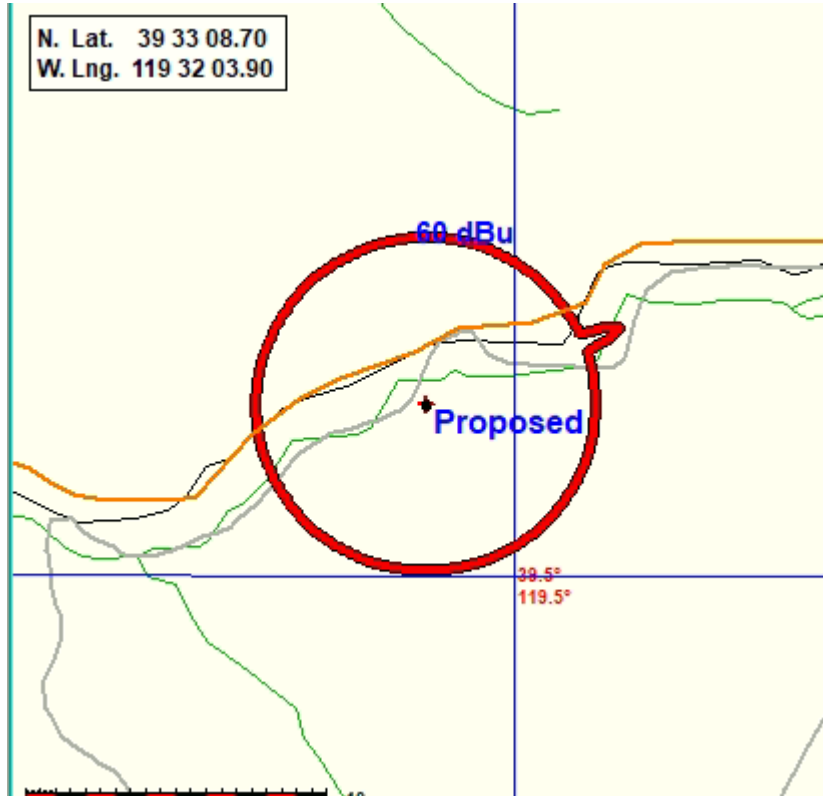
----- Channel 253 - 98.5 MHz -----

Call	Channel	Location	Azi	Dist	FCC	Margin
KBUL-FM	LIC 251C	Carson City	NV	203.9	35.67	92.5 -56.8
K254AK	LIC 254D	Reno	NV	278.9	22.98	20.5 2.5
K254AR	LIC-D 254D	Truckee	CA	234.2	43.48	27.5 16.0
K253BH	LIC 253D	Gardnerville	NV	204.0	51.90	25.5 26.4
KRXQ	LIC 253B	Sacramento	CA	233.8	168.49	111.5 57.0
KAVB	RSV-A254C3	Hawthorne	NV	151.1	138.67	66.5 72.2

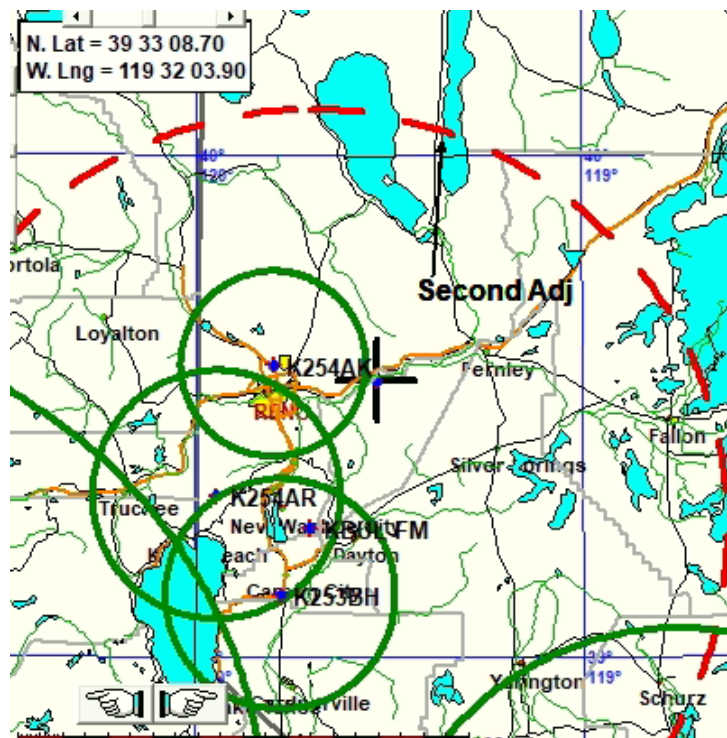
RSV-R = reserved - needs protection, RSV-A = allocation.
All separation margins include rounding

SECOND ADJACENT

60 dBu F(50,50) @ 100 w ERP



SPACING MAP



SECOND ADJACENT WAIVER REQUEST

Proposed facility is short-spaced to

CALL	CH	DBU at Proposed	Distance to Interference Contour
KBUL-FM	251C	75.1 m	123.1 m

The value of 75.1 dBu will then be used to determine interference compliance. Interference will occur when the KBUL-FM signal strength's interfering signal exceeds the desired signal by 40 dBu. So the area of predicted interference would then be bounded by the 115.1 dBu contour. The 115.1 dBu contour plotted below.



Due to zero population within this radiation radius, as demonstrated in the aerial shot, this meets the "Living Way" Criteria to qualify for a Waiver of 47 C.F.R. Section 73.807.

Applicant respectfully requests a "second adjacent channel waiver" with regards to Section 47 C.F.R. Section 73.807 of the FCC rules based upon the "Living Way" precedence (Living Way Ministries, Inc., Memorandum Opinion and Order, 17 FCC Red 17054, 17056, ¶ 5 (2002), recon. denied 23 FCC Red 15070 (2008)).