

TECHNICAL ATTACHMENT  
NEW LPFM FOR NORMAN, OK

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State: OK  
City: NORMAN  
Channel: 229

Antenna Structure Registration: 1018495

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

Latitude: 35 13 13.40 N.  
Longitude: 97 28 50.90 W.  
Structure Type: TOWER  
Overall Structure Height: 47.3  
Support Structure: 46  
Ground Elevation: 355.7

Antenna Data

	HORIZONTAL	VERTICAL
Height of Radiation Center Above Ground Level	20	20
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

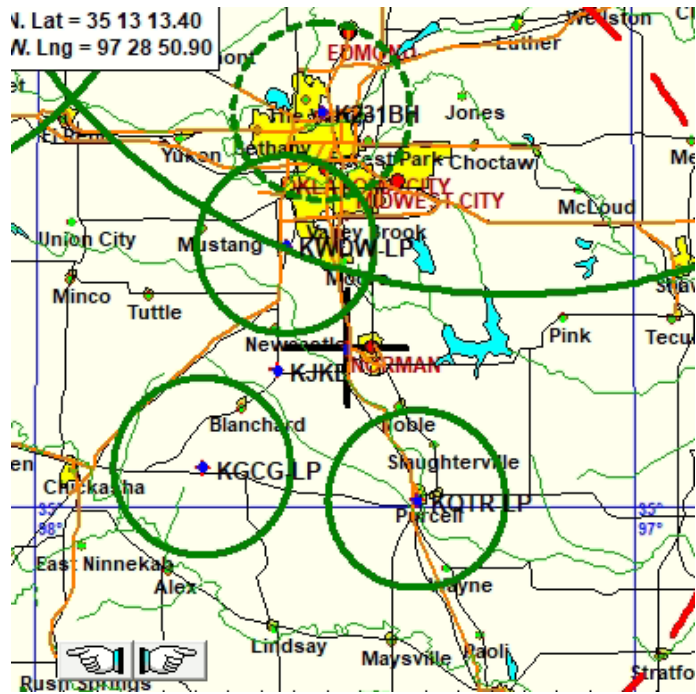
### SPACING

REFERENCE 35 13 13.40 N. CLASS = L1 DATA 10-16-23  
 97 28 50.90 W. Current Spacings to 2nd Adj. SEARCH  
 12-11-23

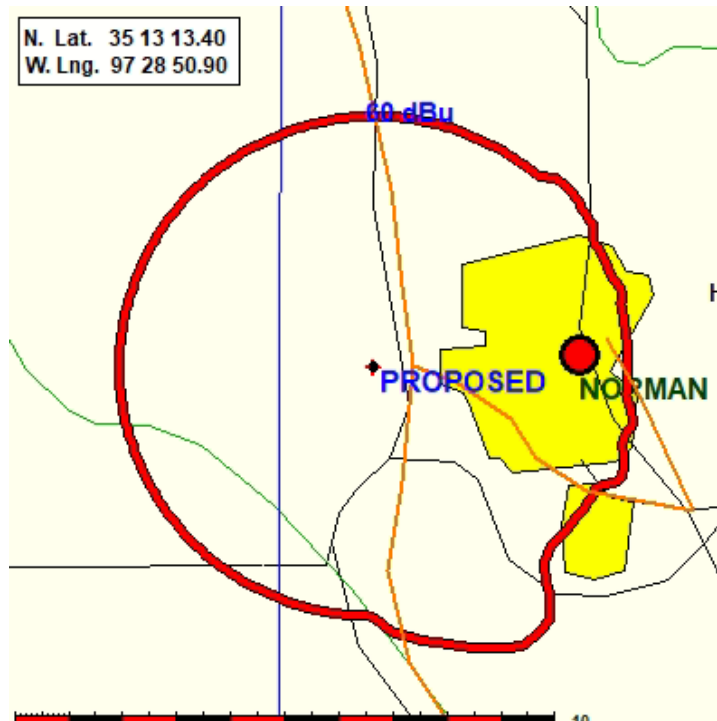
----- Channel 229 - 93.7 MHz -----

Call	Channel	Location	Azi	Dist	FCC	Margin
KJKE LIC 227C1	Newcastle	OK	253.0	11.08	72.5	-61.4
KWDW-LP LIC 230L1	Oklahoma City	OK	329.6	18.13	13.5	4.6
KSPI-FM LIC 229C2	Stillwater	OK	14.5	101.82	90.5	11.3
KQTR-LP LIC 230L1	Purcell	OK	155.1	25.53	13.5	12.0
KGCG-LP LIC 230L1	Blanchard	OK	230.3	28.45	13.5	15.0
K231BH LIC 231D	Oklahoma City	OK	354.1	36.18	13.5	22.7
KIMY LIC-Z 230A	Watonga	OK	313.2	111.91	55.5	56.4
KZCD LIC 231C2	Lawton	OK	232.6	122.07	52.5	69.6
KNOR LIC-N 229C0	Krum	TX	178.1	192.62	121.5	71.1
KSTQ LIC 228A	Stuart	OK	105.1	127.19	55.5	71.7
AL0274 VAC 229A	Cordell	OK	278.3	138.87	66.5	72.4
K229DG LIC 229D	Lawton	OK	228.9	106.01	31.5	74.5

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 All separation margins include rounding  
 See Waiver Request



FCC 60 dBu F(50,50)



## SECOND ADJACENT WAIVER REQUEST

Proposed facility is short-spaced to

CALL	CH	DBU at Proposed
KJKE	227C1	97.2

The value of 97.2 dBu will then be used to determine interference compliance at 50 watts. Interference will occur when the KJKE signal strength's interfering signal exceeds the desired signal by 40 dBu. So the area of predicted interference would then be bounded by the 137.2 dBu contour. The interference reaches a 6.8 meter radius around the antenna. Because the antenna is to be mounted at 20 m, this interference does not extend to the population/buildings at ground level.

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)).