

**TECHNICAL EXHIBIT FCC FORM 349  
NORTH TEXAS RADIO GROUP, L.P.  
MINOR CHANGE K247CK  
FACILITY ID#156875  
.25 kW VERTICAL  
MADILL, OKLAHOMA**

**PURPOSE OF APPLICATION**

North Texas Radio Group, L.P., ("NTRG") the licensee of K247CK and KMAD (AM) FID# 54811, Madill, OK, proposes through this instant application to modify the existing K247CK facility. The proposal is a displacement application to move to a non mutually exclusive channel due to the CP of KTNG (FM) Ch 247A Connerville, OK., FID#200130. NTRG is experiencing massive interference from the unlicensed operation of the Connerville CP. If this CP is ever licensed, K247CK will be displaced. NTRG prefers to have a permit as soon as possible to avoid having to go off air. This is an existing antenna on an existing tower at N33°34'30.4" W96°46'35.5" (NAD27) with 250 W ERP. The HAAT is 65 meters calculated with the computer program V-Soft Probe 4 using 12 radials mounted 59 meters above ground level. The predicted 60 dBu contour does not exceed the 25 mile radius of KMAD (AM).

**INTERFERENCE TO OTHER FACILITIES**

This proposed facility complies with 47CFR 74.1204 of the Commission's rules with respect to any other licensed facility.

**ENVIRONMENTAL**

The proposed location is an existing tower. The structure has no other users. The proposed antenna was studied using the OET FM model program. Using the worst case EPA model, the maximum radiation at ground level is 2.42 microwatts/cm<sup>2</sup>, which occurs at 10 meters from the base of the tower. This is 1.2 percent of the maximum level for general population, uncontrolled exposure level, and exempts this proposal from further study, as it is an insignificant contributor.

## K247CK DISPLACEMENT

North Texas Radio Group, Lp

REFERENCE  
34 06 30.4 N.  
96 46 35.5 W.CH# 254D - 98.7 MHz, Pwr= 0.25 kW DA, HAAT= 0.0 M, COR= 299 M  
Average Protected F(50-50)= 7.09 km  
Standard DirectionalDISPLAY DATES  
DATA 09-16-19  
SEARCH 09-16-19

CH CITY	CALL	TYPE STATE	ANT	AZI <--	DIST FILE #	LAT LNG	PWR(kw) HAAT(M)	INT(km) COR(M)	PRO(km) LICENSEE	*IN* (Overlap in km)	*OUT*
254C Dallas	KLUV	LIC _CY TX		186.1 6.0	169.50 BLH19990216KA	32 35 19.0 96 58 05.0	100.000 507	192.9 698	88.2 Entercom License, Llc	-29.0*	72.3
252C Bridgeport	KBOC	LIC NCX TX		221.4 41.0	99.25 BLH20060718AEC	33 26 13.0 97 29 05.0	93.000 620	13.6 901	91.9 Liberian Broadcasting Of	77.2	6.8
256C Denton	KFZO	LIC _CX TX		222.6 42.1	108.13 BMLH20050309ADF	33 23 22.0 97 33 53.0	100.000 356	10.8 639	75.7 Univision Radio San Franci	88.8	31.8
257D Sherman	K257EV	LIC _C_ TX		156.9 337.0	48.00 BLFT20070515AKD	33 42 38.0 96 34 20.0	0.170 94	0.9 306	10.9 North Texas Public Broadca	38.0	36.2
254A Kiowa	KYOA	LIC NCX OK		48.8 229.3	104.56 BLH20130315ABS	34 43 28.0 95 54 56.0	0.900 64	54.8 294	15.9 K95.5 Inc	39.0	54.4
255C Oklahoma City	KYIS	LIC _CX OK		338.4 158.0	173.61 BLH20070904AAD	35 33 37.0 97 29 07.0	100.000 470	125.1 820	84.2 Radio License Holding Cbc,	40.5	81.2
257A Ada	KADA-FM	LIC _C_ OK		2.9 182.9	66.65 BLH20030408AAA	34 42 31.0 96 44 24.0	5.500 84	1.8 402	16.6 The Chickasaw Nation	58.3	48.0

Terrain database is FCC NGDC 30 Sec , R= 73.215 qualifying spacings or FCC minimum Spacings in KM, M= Margin in KM  
In & Out distances between contours are shown at closest points. Reference zone= west Zone, Co to 3rd adjacent.  
All separation margins (if shown) include rounding.  
Ant Column: (D= DA Standard, Z= DA 73.215, N= Not DA 73.215, \_= Omni), Polarization (C,H,V,E), Beamtilt(Y,N,X)  
"\*"affixed to 'IN' or 'OUT' values = site inside restricted contour.  
Reference station has protected zone issue: AM tower