# Federal Communications Commission

## AM STATION LICENSE

Licensee/Permittee				Call Sign	Facility ID
5101 S. SHIELDS BLVD. OKLAHOMA CITY, OK, 73	3129			кокс	73981
<b>File Number</b> 0000231730	This License Covers Construction Permit No. BP-20220203AAB				
Filing Date 12/06/2023	Grant Date 01/19/2024 Expiration Date 06/01/2029				
Description Text Modify antenna system.	*	3			
	E	2.5	R S		
Community of License City: Oklahoma City State: OK		Frequency (KHz) 1520	A Station Class	Service Ty Main	ире
Facility Type Commercial	E.		F.S.		
Hours of Operation Daytime Nighttime		UNICAT	IONO		
Station Antenna Modes/A Daytime: Non-Directional Nighttime: Directional	ntenna Types				

Average Hours ₋ocal Standar	<b>s of Sunri</b> s d Time (N	se and Su on-Advar
Month	Sunrise	Sunset
January	7:45	17:45
February	7:15	18:15
March	6:45	18:30
April	6:00	19:00
Мау	5:30	19:30
June	5:15	19:45
July	5:30	19:45
August	5:45	19:15
September	6:15	18:45
October	6:30	18:00
November	7:00	17:30
December	7:30	17:15

## Transmitter

Type Accepted. See Sections 73.1660, 73.1665, and 73.1670 of the Commission's Rules

## Antenna Mode: Daytime

Antenna Type: Non-Directional

Antenna Coordinates (NAD 83) Latitude 35° 19' 59.2" N Longitude 97° 30' 15.1" W							Nominal Power (kW)50.000Antenna Input Power (kW)50.00Current (Amperes)31.5Resistance (Ohms)50.5			
Antenna Stru	icture Re	gistra	tion	Nu	mber(s	)				
Tower No.	Tower No. ASRN Overall Height (m)									
2		49.4				INITE				
Radiator Height 48.8 meters 89.0 degrees							Theoretical E 305.1 mV/m	Efficiency /kw at 1 km		
Tower No.	Field Ratio		Pha: (deg	sin ŗ.)	g	Spacing (deg.)	0 (0	<b>rientation</b> leg.)	Tower Ref. Switch*	Height (deg.)
2	1	(	0		Z	10/08	0		0	89.0
* Tower Reference Switch 0 = Spacing and orientation from reference tower 1 = Spacing and orientation from previous tower Top-Loaded/Sectionalized Tower Parameters: (See 47 CFR 73.160)										
Tower No.	Tower	Туре	Α	В	CD					
2	Neither					J				

### Antenna Mode: Nighttime

Antenna Type: Directional

Antenna Coordinates (NAD 83) Latitude 35° 19' 59.2" N Longitude 97° 30' 15.1" W	Nominal Power (kW) 50.000 Antenna Input Power (kW) 52.65 Current (Amperes) 32.45 Resistance (Ohms) 50.0
	50.0

#### Antenna Structure Registration Number(s)

Tower No.	ASRN	Overall Height (m)
1		49.4
2		49.4
3		49.4

Description of Nighttime Directional Antenna System					
Theoretical RMS (mV/m/km)	Standard RMS (mV/m/km)	Augmented RMS (mV/m/km)	Q Factor		
2291.75	2407.48	SS			

#### **Theoretical Parameters**

Tower No.	Field Ratio	Phasing (deg.)	Spacing (deg.)	Orientation (deg.)	Tower Ref. Switch*	Height (deg.)
1	0.485	-119.5	0 ONIC	0	0	89.0
2	1	0	89.5	113.9	0	89.0
3	0.54	114.5	179	113.9	0	89.0

\* Tower Reference Switch

0 = Spacing and orientation from reference tower

1 = Spacing and orientation from previous tower

### Top-Loaded/Sectionalized Tower Parameters: (See 47 CFR 73.160)

Tower No.	Tower Type	Α	В	С	D
1	Neither				
2	Neither				
3	Neither				

Monitori	Monitoring Points						
Radial	Radial (Deg. T) Distance From Transmitter (km) Maximum Field Strength (mV/m)						
Operatin	Operating Parameters						
Tower	Antenna monitor current sample or voltage sample ratio	Antenna monitor phase indication (degree)					
1	0.419	-118.7					
2	1.00	0					
3	0.598	112.1					



### Special operating conditions or restrictions

The permittee /licensee in coordination with other users of the site must reduce power or cease operation as necessary to protect persons having access to the site, tower or antenna from radiofrequency electromagnetic fields in excess of FCC guidelines.

- Licensee shall be responsible for satisfying all reasonable complaints of blanketing interference within the 1 V /m contour as required by Section 73.88 of the Commission's rules.
- Ground system consists of 120, 80 m radials around all three towers with copper straps at the intersection of radials between towers except where shortened at the property line.

Subject to the provisions of the Communications Act of 1934, subsequent acts and treaties, and all regulations heretofore or hereafter made by this Commission, and further subject to the conditions set forth in this license, the licensee is hereby authorized to use and operate the radio transmitting apparatus herein described.

This license is issued on the licensee's representation that the statements contained in licensee's application are true and that the undertakings therein contained so far as they are consistent herewith, will be carried out in good faith. The licensee shall, during the term of this license, render such broadcasting service as will serve the public interest, convenience, or necessity to the full extent of the privileges herein conferred.

This license shall not vest in the licensee any right to operate the station nor any right in the use of the frequency designated in the license beyond the term hereof, nor in any other manner than authorized herein. Neither the license nor the right granted hereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934. This license is subject to the right of use or control by the Government of the United States conferred by Section 606 of the Communications Act of 1934.