



United States of America
FEDERAL COMMUNICATIONS COMMISSION
AM BROADCAST STATION LICENSE

Authorizing Official:

Official Mailing Address:

STARNES MEDIA GROUP, LLC
P.O. BOX 49262
WICHITA KS 67201

Son Nguyen
Supervisory Engineer
Audio Division
Media Bureau

Grant Date: August 30, 2012

This license expires 3:00 a.m.
local time, August 01, 2012.

Facility Id: 35873

Call Sign: KWAM

License File Number: BL-20120321AFI

This license covers permit no.: BP-20120314ACO

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.

Hours of Operation: Unlimited

Average hours of sunrise and sunset:
Local Standard Time (Non-Advanced)

Jan.	7:15 AM	5:15 PM	Jul.	5:00 AM	7:15 PM
Feb.	6:45 AM	5:45 PM	Aug.	5:15 AM	6:45 PM
Mar.	6:15 AM	6:00 PM	Sep.	5:45 AM	6:15 PM
Apr.	5:30 AM	6:30 PM	Oct.	6:00 AM	5:30 PM
May	5:00 AM	7:00 PM	Nov.	6:30 AM	5:00 PM
Jun.	4:45 AM	7:15 PM	Dec.	7:00 AM	4:45 PM

Callsign: KWAM

License No.: BL-20120321AFI

Name of Licensee: STARNES MEDIA GROUP, LLC

Station Location: MEMPHIS, TN

Frequency (kHz): 990

Station Class: B

Antenna Coordinates:

Day

Latitude: N 35 Deg 08 Min 04 Sec

Longitude: W 90 Deg 05 Min 38 Sec

Night

Latitude: N 35 Deg 08 Min 04 Sec

Longitude: W 90 Deg 05 Min 38 Sec

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

Nominal Power (kW): Day: 10.0 Night: 0.45

Antenna Input Power (kW): Day: 10.5 Night: 0.487

Antenna Mode: Day: DA Night: DA

(DA=Directional Antenna, ND=Non-directional Antenna; CH=Critical Hours)

Current (amperes): Day: 14.5 Night: 3.12

Resistance (ohms): Day: 50 Night: 50

Antenna Registration Number(s):

Day:

Tower No.	ASRN	Overall Height (m)
1	1045577	
2	1045576	

Night:

Tower No.	ASRN	Overall Height (m)
2	1045576	
3	1045575	

DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

Theoretical RMS (mV/m/km): Day: 1019 Night: 210.9
 Standard RMS (mV/m/km): Night: 221.7
 Augmented RMS (mV/m/km): Day: 1077
 Q Factor: Day: 32.34 Night: 10

Theoretical Parameters:

Day Directional Antenna:

Tower No.	Field Ratio	Phasing (Deg.)	Spacing (Deg.)	Orientation (Deg.)	Tower Ref Switch *	Height (Deg.)
1	1.0000	0.000	0.0000	0.000	0	72.5
2	1.3000	12.500	222.0000	167.000	0	181.2

* Tower Reference Switch

0 = Spacing and orientation from reference tower

1 = Spacing and orientation from previous tower

Augmentation Parameters:

Aug No.	Central Azimuth (Deg. T)	Span (Deg.)	Radiation at Central Azimuth (mV/m @ 1 km)
1	17.0	20.0	289.67
2	126.0	18.0	289.67
3	207.0	20.0	289.67
4	317.0	34.0	457.00
5	347.0	36.0	655.00

Theoretical Parameters:

Night Directional Antenna:

Tower No.	Field Ratio	Phasing (Deg.)	Spacing (Deg.)	Orientation (Deg.)	Tower Ref Switch *	Height (Deg.)
2	0.6500	45.700	0.0000	0.000	0	181.2
3	1.0000	0.000	139.0000	208.000	0	79.7

* Tower Reference Switch

0 = Spacing and orientation from reference tower

1 = Spacing and orientation from previous tower

Day Directional Operation:

Twr. No.	Phase (Deg.)	Antenna Monitor Sample Current Ratio
1	0	1
2	4	0.529
3		

Night Directional Operation:

Twr. Phase No. (Deg.)	Antenna Monitor Sample Current Ratio
1	
2 45.9	0.246
3 0	1

Antenna Monitor: POTOMAC INSTRUMENTS AM-19 (204)

Sampling System Approved Under Section 73.68 of the Rules.

Monitoring Points:

Day Operation:

Radial (Deg. T)	Distance From Transmitter (kM)	Maximum Field Strength (mV/m)
17	2.09	160.8
167	4.51	177.3
317	3.22	139.2
347	2.09	398.4

Night Operation:

Radial (Deg. T)	Distance From Transmitter (kM)	Maximum Field Strength (mV/m)
13	2.24	41.8
43	5.05	14.8
208	2.55	58.3

Special operating conditions or restrictions:

1 DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

No. and Type of Elements: Three (3) uniform cross section, guyed, series excited, vertical steel radiators.

Ground System consists of 120 radials of #10 soft drawn copper wire, buried at a depth of approximately 6" will be installed about each tower. The radials around tower #2 will be 400 feet in length. Those around the other towers will be 250 feet. These radials will be shortened where they intersect the property boundary or a transverse strap between towers. On each tower an 8' X 15' copper screen is installed on a platform at the top of the base pier, which is 19 feet above ground level. This screen is tied to the ground system by copper straps down the side of the pier.

Special operating conditions or restrictions:

2 DESCRIPTION OF AND FIELD INTENSITY MEASURED AT MONITORING POINTS:

Direction of 17° True North: On South side of I-40 0.6 miles east of N-347°-E point. Two vertical black lines painted on guard rail. Take reading by black marks. The field intensity measured at this point should not exceed 160.8 mV/m Daytime.

Direction of 167° True North: In Martin Luther King Riverside Park. West side of McKellar Lake Drive by intersection of Lake Road approximately 120 feet south of parking area for the Riverside Marina. Curb at west side of road is marked by black painted square and letter "K". Take readings approximately 20-25 feet due west of marking. The field intensity measured at this point should not exceed 177.3 mV/m, Daytime.

Direction of 317° True North: At south side of I-40 on shoulder 0.4 miles east of Mound City entrance ramp, eastbound. Center divider of highway marked with two (2) vertical black lines. Take readings directly across from markings approximately twenty (20) feet west from Blue I-40 marker. The field intensity measured at this point should not exceed 139.2 mV/m Daytime.

Direction of 347° True North: On south side of I-40 1.05 miles east of N-317°-E Monitor point. On overpass above Missouri Pacific railroad tracks. Two (2) vertical black lines painted on overpass wall and around steel railing on top. By painted marks with transmitter towers in line. The field intensity measured at this point should not exceed 398.4 mV/m Daytime.

Direction of 13° True North: Beginning at the KWAM site, go North to Highway 70; then West on Highway 70 1.8 miles to Mound City Road; then north 0.7 miles to I-40; then east on I-40 2.2 miles to monitoring point. Point is read in emergency parking lane on the south side of I-40. Three black stripes are painted on guard rail. The field intensity measured at this point should not exceed 41.81mV/m Nighttime.

Direction of 43° True North: Beginning at the KWAM site, go North to Highway 70; then east on Highway 70 2.0 miles to Riverside Drive; then north on Riverside Drive 1.9 miles to Adams; then east on Adams one block to Front Street; then north on Front Street 0.6 mile to Auction; then West on Auction 0.4 miles to Mud Island; then north on Mud Island 0.5 miles. Go west down grassy hill to the bank of the Mississippi River. Monitoring point is at US Army survey marker. The field intensity measured at this point should not exceed 14.8 mV/m Nighttime.

Direction of 208° True North: Beginning at the KWAM site, go North to Highway 70; then east on Highway 70 1.9 miles to Highway 55 S.; then south on Highway 55 0.6 miles to McLemore; then west one block to Riverside; then north one block to Jack Carley; then west on Jack Carley 0.3 miles, continue an additional 1.5 miles (name changes to Harbor) to Port; go west on Port 0,7 miles to monitoring point. Point is on north side of Port adjacent to tree with white marking. The field intensity measured at this point should not exceed 58.3 mV/m Nighttime.

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Special operating conditions or restrictions:

3 This license is effective pursuant to 47 U.S.C. 307(c)(3).

*** END OF AUTHORIZATION ***