

UNITED STATES OF AMERICA  
FEDERAL COMMUNICATIONS COMMISSION

File No.: BL-851009AG

Call Sign: KBBX **KCPX**

AM BROADCAST STATION LICENSE

Subject to the provisions of the Communications Act of 1934, as amended, subsequent Acts, Treaties, and Commission Rules made thereunder, and further subject to conditions set forth in this license,<sup>1</sup> the LICENSEE

MID-AMERICA GOSPEL RADIO NETWORK, INC.

is hereby authorized to use and operate the radio transmitting apparatus hereinafter described for the purpose of broadcasting for the term ending 3 a.m. Local Time in accordance with the following:

1. Station location: Centerville, UT

2. Main Studio location: 481 South, 400 East  
(Listed only if not at transmitter site or not within boundaries of principal community)  
Bountiful, Utah

3. Remote control location: 481 South, 400 East  
Bountiful, Utah

4. Transmitter location: 1792 West, 1200 North  
West Bountiful, UT

North latitude : 40 ° 54 ' 08 "  
West longitude: 111 ° 55 ' 40 "

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

6. Antenna and ground system: See page 2 attached

7. Obstruction marking and lighting specifications — FCC Form 715, paragraphs: 1, 3, 11 & 21 for tower #2.  
Not required for towers #1 & 3.

8. Frequency (kHz.): 1600

9. Nominal power (kW): 5.0 Day  
1.0 Night

Antenna input power (kW): 5.0 Day

Non-directional antenna: current 3.88 amperes; resistance 332.1 ohms.  
 Directional antenna : current \_\_\_\_\_ amperes; resistance \_\_\_\_\_ ohms.

1.08 Night

Non-directional antenna: current \_\_\_\_\_ amperes; resistance \_\_\_\_\_ ohms.  
 Directional antenna : current 4.65 amperes; resistance 50 ohms.

10. Hours of operation: Specified in construction permit (BP -821112AZ & BMP-840111AE)

11. Conditions: - -

The Commission reserves the right during said license period of terminating this license or making effective any change or modification of this license which may be necessary to comply with any decision of the Commission rendered as a result of any hearing held under the rules of the Commission prior to the commencement of this license period or any decision rendered as a result of any such hearing which has been designated but not held, prior to the commencement of this license period.

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 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, as amended. 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, as amended.



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1. DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

No. and Type of Elements: Three(3) vertical, guyed, steel radiators. Theo RMS=281.63 mV/m/km. Std. RMS = 296.00 mV/m/km. The Center (#2) tower supports an FM translator antenna and two STL antennas side mounted thereon.

Height above Insulators:	#1	#2	#3
	154' (90°)	220' (128.8°)	154' (90°)
Overall Height:	157'	224'	157'

Spacing and Orientation: Towers are spaced 100° on a line bearing 260° T.

Non-Directional Antenna: Daytime operation Est. Rad/Kw=331.52 mV/m/km.

Ground System consists of 120-247' equally spaced buried radials about the base of each tower and extending to the property or to intersection with transverse copper strap.

2. THEORETICAL SPECIFICATIONS

Phasing:	Tower	#1(E)	#2(C)	#3(W)
	Night:	0°	96°	12°

Field Ratio:	Night:	1.00	0.38	0.40
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3. OPERATING SPECIFICATIONS

Phase Indication	Night:	0°	101.2°	40°
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Antenna Base	Night:	1.00	0.257	0.40
Current Ratio:				

Antenna Monitor Sample				
Current Ratio:	Night:	1.00	0.245	0.413

\* As indicated by Potomac Instruments AM-19(204) antenna monitor.

EXEMPTIONS AS LISTED IN SECTION 73.68(b) OF THE RULES WILL APPLY DURING PROPER OPERATION OF APPROVED SAMPLING SYSTEM.

Field measuring equipment shall be available at all times and the field intensity at each of the monitoring points shall be measured at least once every seven days and appropriate record kept of all measurements so made.

DESCRIPTION OF AND FIELD STRENGTH OF MONITORING POINTS:

Direction of 63.5° true North. From the transmitter access road, proceed east 1200 N Street 0.90 mile to intersection with 1100 W Street. Turn right (S) on 1100 W Street and proceed 0.50 mile to 400 N Street. Turn left (E) on 400 N Street and proceed approximately 1.40 miles to 300 W Street. Turn left (N) on 200 W Street and proceed approximately 0.40 mile to 1000 N Street. Turn right (E) on 1000 N Street and proceed 0.35 mile to intersection with 400 E Street. Turn left (N) on 400 E Street and proceed 1.50 miles to intersection with 400 N Street (also named Parrish Lane). Turn left (W) on 400 N Street and proceed 0.10 mile to intersection with 100 W Street to south and a Skaggs Alpha Beta store to north. Turn left (S) on 100 W Street and proceed a short distance to point. Point is in middle of road between driveways to Parrish Lane Townhomes to east and to west. It is directly south of the Skaggs Alpha Beta store. This is point number 8 of the survey and is 2.80 miles from the array. The field intensity measured at this point should not exceed 61.8 mV/m.

Direction of 96.5° true North. From the transmitter access road, proceed east on 1200 N Street 0.90 mile to intersection with 1100 W Street. Turn right (S) on 1100 W Street and proceed 0.50 mile to 400 N Street. Turn left (E) on 400 N Street and proceed approximately 1.40 miles to 200 W Street. Turn left (N) on 200 W Street and proceed approximately 0.40 mile to 1000 N Street. Turn right (E) on 1000 N Street and proceed 0.16 mile to Chapel Drive. Turn right (S) on Chapel Drive and one block to intersection with 900 N Street end point. Point is of southeast side of intersection near street signs. This point Number 9 of the survey and is 2.30 miles from the array. The field intensity measured at this point should not exceed 47.4 mV/m.

Direction of 227° true North. From the transmitter access road, proceed east on 1200 N Street 0.90 mile to intersection with 1100 W S Street. Turn right (S) on 1100 W Street and proceed 1.20 miles to intersection with 500 S Street. Turn right (W) on 500 S Street and proceed 0.90 mile to where paved road curves to south and a gravel road forks continues west. Proceed west on this gravel road (which is marked "Private") and follow it for a distance of approximately 0.95 mile to intersection with another gravel road to right. This is the access road to Radio Station KFAM. Turn right (N) on this gravel road and proceed 0.40 mile to point. Point is in middle of road and west of the KFAM array. This is point Number 4 of the survey and is 1.12 miles from the array. The field intensity measured at this point should not exceed 98.8 mV/m.