

UNITED STATES OF AMERICA  
FEDERAL COMMUNICATIONS COMMISSION  
MODIFIED

File No.: BR-676

Call Sign: K M M J

STANDARD BROADCAST STATION LICENSE  
MAIN AND AUXILIARY TRANSMITTERS

Subject to the provisions of the Communications Act of 1934, subsequent Acts, and Treaties, and Commission Rules made thereunder, and further subject to conditions set forth in this license, <sup>1/</sup>the LICENSEE  
**KMMJ, 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 **JUNE 1, 1980**

The licensee shall use and operate said apparatus only in accordance with the following terms:

- On a frequency of **750** kHz.
- With nominal power of **10 kilo** watts nighttime and **10 kilo** watts daytime,  
with antenna input power of **10.5 kilo** watts --- directional 

Common Point	current	<b>14.28</b>	amperes
Common Point	resistance	<b>51.5</b>	ohms,
Common Point	current	<b>14.28</b>	amperes
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antenna nighttime .....  
and antenna input power of **10.5 kilo** watts --- directional  
antenna daytime .....

- Hours of operation: **Limited Time as Follows:**  
**Jan. 8:00 am to 5:30 pm; Feb. 7:30 am to 6:15 pm; AUXILIARY: 11w Night & Day**  
**Mar. 6:45 am to 6:45 pm; Apr. 6:00 am to 7:15 pm; Common Point Current 4.52 amps**  
**May 5:15 am to 7:45 pm; June 5:00 am to 8:00 pm; Antenna Input Power 1.08 kw**  
**July 5:15 am to 8:00 pm; Aug. 5:45 am to 7:30 pm;**  
**Sep. 6:15 am to 6:45 pm; Oct. 6:45 am to 6:00 pm;**  
**Nov. 7:15 am to 5:15 pm; Dec. 7:45 am to 5:00 pm;**  
**Central Standard Time (Non-Advanced).**

- With the station located at: **Grand Island, Nebraska**
- With the main studio located at: **Cedar and Division Streets, Grand Island, Nebraska**
- Remote control point: **Cedar and Division Streets, Grand Island, Nebraska**
- Transmitter location: **1.3 miles Northeast of Central City, Nebraska**  
North Latitude: **41° 08' 4.85"**  
West Longitude: **97° 59' 37.5"**

- Obstruction marking specifications in accordance with the following paragraphs of FCC Form 715: **1, 3, 12 & 21 and \*\***  
**\*\*also Compliance with FCC Form 720 regarding Critical Obstruction.**
- Transmitter(s): **COLLINS RADIO CO., 21M (Main) - COLLINS RADIO CO., 20-V (Auxiliary)**
- Conditions: --

The Commission reserves the right during said license period of terminating this license or making effective any changes 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. 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.

<sup>1/</sup>This license consists of this page and pages **2 & 3.**



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Date: 5-20-77

1. DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

DA-1

No. and Type of Elements: **Two uniform cross-section, guyed, series-excited steel towers.**

Height above Insulators: 343' (94.3°)

Overall Height: 349'

Spacing and Orientation: Spaced 328' (90°) on a line bearing 85° true.

Non-Directional Antenna: **None used.**

Ground System consists of 120-525' equally spaced buried copper radials plus a 30' square copper ground screen at the base of each tower. Intersecting radials are shortened and bonded to a transverse copper strap midway between the towers.

2. THEORETICAL SPECIFICATIONS

	WEST (1)	EAST (2)
Phasing:	0°	105°
Field Ratio:	1.0	1.14

3. OPERATING SPECIFICATIONS

Phase Indication*:	0°	94°
Antenna Base Current Ratio:	1.0	1.049
Antenna Monitor Sample Current Ratio:	1.0	1.041

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

Field intensity 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 thirty days and an appropriate record kept of all measurements so made.

DESCRIPTION OF AND FIELD INTENSITY AT MONITORING POINTS:

Direction of  $85^{\circ}$  true North. Turn left upon leaving driveway of transmitter location and proceed due east to the intersection of county roads  $2\frac{1}{2}$  miles east of transmitter. Turn left and proceed due north for a distance of .3 mile. Red post will be found on right side of road along fence line. Monitoring point is on same side of road as post. Distance from transmitter 2.5 miles. The field intensity measured at this point should not exceed 60.4 mv/m.

Direction of  $119^{\circ}$  true North. Turn left upon leaving driveway of transmitter location and proceed due east to the intersection of county roads  $1\frac{1}{2}$  miles east of transmitter. Turn right and proceed due south for a distance of .8 mile. Red post will be found on left side of road just north of the second wooden bridge. Monitoring point is forty-five paces due west of this post across road and into field. Distance from transmitter 1.9 miles. The field intensity measured at this point should not exceed 20.5 mv/m.

Direction of  $130^{\circ}$  true North. Turn left upon leaving driveway of transmitter location and proceed due east to the intersection of county roads  $1\frac{1}{2}$  miles east of transmitter. Turn right and proceed due south for a distance of  $1\frac{1}{2}$  miles to intersection of county roads. Turn left and proceed due east for a distance of .3 mile to point where road turns to right. Red post will be found on right side of road at corner of fence. Monitoring point is in middle of road opposite post. Distance from transmitter 2.5 miles. The field intensity measured at this point should not exceed 39.9 mv/m.