



United States of America
FEDERAL COMMUNICATIONS COMMISSION
AM BROADCAST STATION LICENSE

Authorizing Official:

Official Mailing Address:

GABRIEL MEDIA
1926 W DIVISION ST
ST CLOUD MN 56301

Son Nguyen
Supervisory Engineer
Audio Division
Media Bureau

Facility Id: 136921

Call Sign: KYES

License File Number: BMML-20220111AAH

Grant Date: March 07, 2022

This license expires 3:00 a.m.
local time, April 01, 2029.

This license modified license No. BMML-20090527AIB
NON-COMMERCIAL

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.	8:00 AM	5:00 PM	Jul.	4:45 AM	8:00 PM
Feb.	7:15 AM	5:45 PM	Aug.	5:15 AM	7:30 PM
Mar.	6:30 AM	6:15 PM	Sep.	6:00 AM	6:30 PM
Apr.	5:30 AM	7:00 PM	Oct.	6:30 AM	5:30 PM
May	4:45 AM	7:45 PM	Nov.	7:15 AM	4:45 PM
Jun.	4:30 AM	8:00 PM	Dec.	7:45 AM	4:30 PM

Name of Licensee: GABRIEL MEDIA

Station Location: ROCKVILLE, MN

Frequency (kHz): 1180

Station Class: B

Antenna Coordinates:

Day

Latitude: N 45 Deg 21 Min 43 Sec
Longitude: W 94 Deg 17 Min 57 Sec

Night

Latitude: N 45 Deg 21 Min 43 Sec
Longitude: W 94 Deg 17 Min 57 Sec

Critical

Latitude: N 45 Deg 21 Min 43 Sec
Longitude: W 94 Deg 17 Min 57 Sec

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

Nominal Power (kW):	Day: 50.0	Night: 5.0	Critical: 8.0
Antenna Input Power (kW):	Day: 52.65	Night: 5.4	Critical: 8.42
Antenna Mode:	Day: DA	Night: DA	Critical: DA

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

Current (amperes):	Day: 32.4	Night: 10.4	Critical: 13
Resistance (ohms):	Day: 50	Night: 50	Critical: 50

Antenna Registration Number(s):

Callsign: KYES

License No.: BMML-20220111AAH

Day:

Tower No.	ASRN	
1	None	60.7
7	None	60.7

Night:

Tower No.	ASRN	
1	None	60.7
2	None	60.7
3	None	60.7
4	None	60.7
5	None	60.7
6	None	60.7

Critical:

Tower No.	ASRN	
1	None	60.7
7	None	60.7

DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

Theoretical RMS (mV/m/km): Day: 2199.97 Night: 634.21 Critical: 879.99
 Standard RMS (mV/m/km): Day: 2311.16 Night: 666.33 Critical: 924.47
 Augmented RMS (mV/m/km):
 Q Factor: Day: Night: Critical:

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	84.6
7	0.8940	109.200	90.0000	176.700	0	84.6

* Tower Reference Switch

0 = Spacing and orientation from reference tower
 1 = Spacing and orientation from previous tower

Theoretical Parameters:

Night Directional Antenna:

Tower No.	Field Ratio	Phasing (Deg.)	Spacing (Deg.)	Orientation (Deg.)	Tower Ref Switch *	Height (Deg.)
1	0.4380	-6.900	0.0000	0.000	0	84.6
2	1.0000	0.000	181.2000	120.200	0	84.6
3	0.5230	16.700	366.4000	116.600	0	84.6
4	0.4180	64.900	123.8000	213.600	0	84.6
5	0.9900	99.500	201.7000	144.900	0	84.6
6	0.5490	122.000	375.6000	130.100	0	84.6

* Tower Reference Switch

0 = Spacing and orientation from reference tower
 1 = Spacing and orientation from previous tower

Theoretical Parameters:

Critical 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	84.6
7	0.8940	109.200	90.0000	176.700	0	84.6

* 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

Day Directional Operation:

Twr. No.	Phase (Deg.)	Antenna Monitor Sample Current Ratio
7	105.8	0.939

Night Directional Operation:

Twr. No.	Phase (Deg.)	Antenna Monitor Sample Current Ratio
1	-5.5	0.474
2	0	1
3	15.9	0.536
4	59.3	0.442
5	94.4	1.029
6	116.1	0.568

Critical Directional Operation:

Twr. No.	Phase (Deg.)	Antenna Monitor Sample Current Ratio
1	0	1
7	105.8	0.939

Antenna Monitor: POTOMAC 1901

Sampling System Approved Under Section 73.68 of the Rules.

Special operating conditions or restrictions:

- 1 The permittee/licensee 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.
- 2 Ground system consists of 240 equally spaced, buried, copper radials about the base of each tower, each 63.41 meters in length except where radials are shortened and bonded to a transverse copper strap midway between adjacent towers.

*** END OF AUTHORIZATION ***