



United States of America
FEDERAL COMMUNICATIONS COMMISSION
AM BROADCAST STATION LICENSE

Authorizing Official:

Official Mailing Address:

COMMON GROUND BROADCASTING, INC.
 4880 SANTA ROSA ROAD, SUITE 300
 CAMARILLO CA 93012

Son Nguyen
 Son Nguyen
 Supervisory Engineer
 Audio Division
 Media Bureau

Facility Id: 72299

Call Sign: WHK

License File Number: BZ-20050606AJT

Grant Date: **SEP 19 2005**
 This license expires 3:00 a.m.
 local time, October 01, 2012.

DM

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

Callsign: WHK

License No.: BZ-20050606AJT

Name of Licensee: COMMON GROUND BROADCASTING, INC.

Station Location: CLEVELAND, OH

Frequency (kHz): 1420

Station Class: B

Antenna Coordinates:

Day

Latitude: N 41 Deg 21 Min 30 Sec

Longitude: W 81 Deg 40 Min 03 Sec

Night

Latitude: N 41 Deg 21 Min 30 Sec

Longitude: W 81 Deg 40 Min 03 Sec

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

Nominal Power (kW): Day: 5.0 Night: 5.0

Antenna Input Power (kW): Day: 5.0 Night: 5.4

Antenna Mode: Day: ND Night: DA

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

Current (amperes): Day: 10.21 Night: 10.39

Resistance (ohms): Day: 48 Night: 50

Non-Directional Antenna: Day

Radiator Height: 122 meters; 208 deg

Theoretical Efficiency: 395.79 mV/m/kw at 1km

Antenna Registration Number(s):

Day:

Tower No.	ASRN	Overall Height (m)
1	115772	

Night:

Tower No.	ASRN	Overall Height (m)
1	115771	
2	115772	
3	115773	

DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

Theoretical RMS (mV/m/km): Night: 812.72
 Standard RMS (mV/m/km):
 Augmented RMS (mV/m/km): Night:
 Q Factor: Night:

Theoretical Parameters:

Night 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	208.0
2	0.6360	11.000	213.0000	270.000	0	208.0
3	0.2390	110.000	112.0000	184.000	0	112.0

* 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	60.0	14.0	485.02
2	112.5	15.0	238.18
3	120.0	15.0	167.21
4	128.0	16.0	308.19
5	224.0	15.0	289.68
6	231.5	15.0	208.57
7	251.0	38.0	321.87
8	282.5	25.0	458.98
9	295.0	22.0	450.62
10	306.0	22.0	482.80

Night Directional Operation:

Twr. No.	Phase (Deg.)	Antenna Monitor Sample Current Ratio
1	0	1
2	99.1	0.316
3	168	0.192

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Antenna Monitor: POTOMAC INSTRUMENTS, MODEL AM-1901

Sampling System Approved Under Section 73.68(b) of the Rules.

Monitoring Points:

Night Operation:

Radial (Deg. T)	Distance From Transmitter (km)	Maximum Field Strength (mV/m)
60	2.93	130
120	2.57	100
231.5	4.91	50
270	4.39	70
295	3.44	85

Special operating conditions or restrictions:

- 1 Daytime non-directional antenna system uses tower #2(W). Main and auxiliary antennas of station WMMS (ID#73273) and five other auxiliary antennas mounted on tower #1(E).

*** END OF AUTHORIZATION ***