



United States of America
FEDERAL COMMUNICATIONS COMMISSION
AM BROADCAST STATION LICENSE

Authorizing Official:

Official Mailing Address:

BLOUNT COMMUNICATIONS, INC. OF NH
8 LAWRENCE ROAD
DERRY NH 03038



Son Nguyen
Supervisory Engineer
Audio Division
Media Bureau

Facility Id: 61615

Call Sign: WDER

License File Number: BMML-20210920AAE

Grant Date: May 05, 2022

This license expires 3:00 a.m.
local time, April 01, 2030.

This license covers construction permit: BP-20210920AAJ

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

Callsign: WDER

License No.: BMML-20210920AAE

Name of Licensee: BLOUNT COMMUNICATIONS, INC. OF NH

Station Location: DERRY, NH

Frequency (kHz): 1320

Station Class: B

Antenna Coordinates:

Day

Latitude: N 42 Deg 52 Min 01 Sec

Longitude: W 71 Deg 17 Min 18 Sec

Night

Latitude: N 42 Deg 52 Min 01 Sec

Longitude: W 71 Deg 17 Min 18 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: 0.6

Antenna Input Power (kW): Day: 10.53 Night: 0.65

Antenna Mode: Day: DA Night: DA

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

Current (amperes): Day: 14.51 Night: 3.6

Resistance (ohms): Day: 50 Night: 50

Antenna Registration Number(s):

Day:

Tower No.	ASRN	Overall Height (m)
1	1024855	
2	1024938	
3	1024939	

Night:

Tower No.	ASRN	Overall Height (m)
1	1024855	
2	1024938	
3	1024939	

DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

Theoretical RMS (mV/m/km): Day: 998.9 Night: 282.3

Standard RMS (mV/m/km): Day: 1049.4 Night: 296.6

Augmented RMS (mV/m/km):

Q Factor: Day: Night:

Theoretical Parameters:

Day Directional Antenna:

Tower No.	Field Ratio	Phasing (Deg.)	Spacing (Deg.)	Orientation (Deg.)	Tower Ref Switch *	Height (Deg.)
1	0.6740	40.700	0.0000	0.000	0	TL/S
2	1.0000	0.000	197.1000	341.200	0	108.0
3	0.5120	69.200	129.7000	11.300	0	103.2

* Tower Reference Switch

0 = Spacing and orientation from reference tower

1 = Spacing and orientation from previous tower

Top-Loaded/Sectionalized Tower Parameters: (See 47 CFR 73.160)

Tower No.	A	B	C	D
1	141.5	75.00	.00	.00

Theoretical Parameters:

Night Directional Antenna:

Tower No.	Field Ratio	Phasing (Deg.)	Spacing (Deg.)	Orientation (Deg.)	Tower Ref Switch *	Height (Deg.)
1	0.8890	-164.500	0.0000	0.000	0	TL/S
2	1.0000	0.000	197.1000	341.200	0	108.0
3	0.6840	-176.800	129.7000	11.300	0	103.2

* Tower Reference Switch

0 = Spacing and orientation from reference tower

1 = Spacing and orientation from previous tower

Top-Loaded/Sectionalized Tower Parameters: (See 47 CFR 73.160)

Tower No.	A	B	C	D
1	141.5	75.00	.00	.00

Day Directional Operation:

Twr. Phase No.	Phase (Deg.)	Antenna Monitor Sample Current Ratio
1	-169.8	0.476
2	0	1
3	57.8	0.674

Night Directional Operation:

Tw. Phase No. (Deg.)	Antenna Monitor Sample Current Ratio
1 0	1
2 24.9	1.117
3 -154.1	0.892

Antenna Monitor: POTOMAC MODEL 1901-4

Special operating conditions or restrictions:

- 1 The ground system consists of 120 equally spaced, buried, copper radials, each 56.7 m in length except where terminated by property boundaries or a transverse strap between towers. In addition, 120 interspersed radials 15.2 m in length are at each tower base. Copper strap connects all towers to the main transmitter grounding point.
- 2 The permittee/licensee in coordination with other users of the site 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.

*** END OF AUTHORIZATION ***