



United States of America  
**FEDERAL COMMUNICATIONS COMMISSION**  
**AM BROADCAST STATION LICENSE**

Authorizing Official:

Official Mailing Address:

BLOUNT MASSCOM, INC.  
8 LAWRENCE RD  
DERRY NH 03038

Son Nguyen  
Supervisory Engineer  
Audio Division  
Media Bureau

Grant Date: June 26, 2008

This license expires 3:00 a.m.  
local time, April 01, 2014.

Facility Id: 37804

Call Sign: WSDK

License File Number: BZ-20071218ADL

DM due to equipment replacement.

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

Callsign: WSDK

License No.: BZ-20071218ADL

Name of Licensee: BLOUNT MASSCOM, INC.

Station Location: BLOOMFIELD, CT

Frequency (kHz): 1550

Station Class: B

Antenna Coordinates:

Day

Latitude: N 41 Deg 51 Min 47 Sec

Longitude: W 72 Deg 44 Min 01 Sec

Night

Latitude: N 41 Deg 51 Min 47 Sec

Longitude: W 72 Deg 44 Min 01 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: 2.4

Antenna Input Power (kW): Day: 5.4 Night: 2.59

Antenna Mode: Day: DA Night: DA

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

Current (amperes): Day: 10.19 Night: 7.06

Resistance (ohms): Day: 52 Night: 52

Antenna Registration Number(s):

Day:

Tower No.	ASRN
1	None
2	None
3	None

Night:

Tower No.	ASRN
1	None
2	None
3	None
4	None

## DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

Theoretical RMS (mV/m/km): Day: 716.59 Night: 513

Standard RMS (mV/m/km): Day:

Augmented RMS (mV/m/km): Night: 539

Q Factor: Day: 22.36 Night: 15.4919

## 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	90.0
2	0.8410	127.500	185.0000	352.000	0	90.0
3	0.3600	-105.000	370.0000	352.000	0	80.0

## \* 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	0.3400	0.000	0.0000	0.000	0	90.0
2	1.0000	113.500	80.0000	325.000	0	90.0
3	1.0000	-133.000	160.0000	325.000	0	90.0
4	0.3400	-19.500	240.0000	325.000	0	90.0

## \* 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	14.0	10.0	20.00
2	267.0	10.0	32.20
3	291.0	10.0	21.00
4	325.0	10.0	18.00
5	359.0	10.0	19.50

## Day Directional Operation:

Twr. No.	Phase (Deg.)	Antenna Monitor Sample Current Ratio
1	0	1
2	126	0.803

Day Directional Operation:

Twr. Phase No. (Deg.)	Antenna Monitor Sample Current Ratio
3 -112	0.265

Night Directional Operation:

Twr. Phase No. (Deg.)	Antenna Monitor Sample Current Ratio
1 -120	0.315
2 0	1
3 115	0.698
4 -140	0.12

Antenna Monitor: POTOMAC INSTRUMENTS AM-1901

Sampling System Approved Under Section 73.68 of the Rules.

Special operating conditions or restrictions:

1 MONITOR POINT DESCRIPTIONS

14° - Point located 30 yards north of CL&P utility pole #318, on dirt road along field in rear of office building at #1 Griffin Road, 2.33 km from site, max 3.1 mV/m nighttime.

53° - Center of first driveway on south side of River Bend Street, 5.86 km from site, max 7.8 mV/m daytime.

77.5° - Point located at driveway entrance to hotel at #28 Day Hill Road, 5.68 km from site, max 8.0 mV/m daytime.

267° - Point located at mailbox of #22 Talcott Mountain Road, 4.62 km from site, max 9.8 mV/m daytime and 1.8 mV/m nighttime.

291° - Point located 0.16 km on Hoskins Road from intersection with Adams Road, in line with path over culvert, 3.04 km from site, max 48.4 mV/m daytime and 3.9 mV/m nighttime.

325° - Point located at mailbox of #250 Duncaster Road, 3.07 km from site, max 2.5 mV/m nighttime.

359° - Point located at entrance to parking lot of #21 & #25 Griffin Road North, 2.30 km from site, max 3.5 mV/m nighttime.

\*\*\* END OF AUTHORIZATION \*\*\*