

FEDERAL COMMUNICATIONS COMMISSION
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MEDIA BUREAU
AUDIO DIVISION
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FEB 5 2008

Janet Fitzpatrick Moran, Esq.
Patton Boggs LLP
2550 M Street, NW
Washington, DC 20037-1350

Re: Nassau Broadcasting II, L.L.C.
WCHR(AM), Flemington, NJ
Facility ID Number: 28130
Construction Permit: BMP-20060810ACZ
License Application: BL-20080111AGM

Dear Ms. Fitzpatrick:

This is in reference to the above-captioned license application and to the request for program test authority.

Authority is granted WCHR(AM) to conduct daytime, critical hours and nighttime program tests in accordance with construction permit BMP-20060810ACZ and 47 C.F.R. §73.1620 on 1040 kHz with a daytime nominal power of 15.0 kilowatts, a critical hours nominal power of 7.5 kilowatts and a nighttime nominal power of 1.5 kilowatts **through May 9, 2008**. The authorized daytime antenna input powers is 15.8 kilowatts (antenna common point current 17.8 amperes), the critical hours antenna input power is 7.9 kilowatts (common point current 12.6 amperes) and the nighttime antenna input power is 1.62 kilowatts (common point current 5.69 amperes).

Program tests must be conducted with the directional antenna systems adjusted in accordance with the enclosed specifications. Please notify this office of any discrepancies found with the enclosed specifications.

Sincerely,



Son Kim Nguyen,
Supervisory Engineer
Audio Division
Media Bureau

cc: Nassau Broadcasting II, L.L.C.
Charles A. Hecht

Name of Licensee: NASSAU BROADCASTING II, LLC

Station Location: FLEMINGTON, NJ

Frequency (kHz): 1040

Station Class: B

Antenna Coordinates:

Day

Latitude: N 40 Deg 30 Min 18 Sec

Longitude: W 74 Deg 58 Min 36 Sec

Night

Latitude: N 40 Deg 30 Min 18 Sec

Longitude: W 74 Deg 58 Min 36 Sec

Critical

Latitude: N 40 Deg 30 Min 18 Sec

Longitude: W 74 Deg 58 Min 36 Sec

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

Nominal Power (kW): Day: 15.0 Night: 1.5 Critical: 7.5

Antenna Input Power (kW): Day: 15.8 Night: 1.6 Critical: 7.9

Antenna Mode: Day: DA Night: DA Critical: DA

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

Current (amperes): Day: 17.8 Night: 5.69 Critical: 12.6

Resistance (ohms): Day: 50 Night: 50 Critical: 50

Antenna Registration Number(s):

Callsign: WCHR

Program Test Authority

Day:

Tower No.	ASRN	
1	None	60.7
2	None	60.7
3	None	60.7

Night:

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

Critical:

Tower No.	ASRN	
1	None	60.7
2	None	60.7
3	None	60.7

DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

Theoretical RMS (mV/m/km): Day: 1113 Night: 377.2 Critical: 779.6

Standard RMS (mV/m/km): Day: 1170 Night: 396.3 Critical: 819.1

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	0.4760	-51.300	0.0000	0.000	0	TL/S
2	1.0000	0.000	135.0000	69.000	0	TL/S
3	0.6570	38.700	275.2000	69.000	0	TL/S

* 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	74.5	10.00	.00	.00
2	74.5	10.00	.00	.00
3	74.5	10.00	.00	.00

Theoretical Parameters:

Night Directional Antenna:

Tower No.	Field Ratio	Phasing (Deg.)	Spacing (Deg.)	Orientation (Deg.)	Tower Ref Switch *	Height (Deg.)
1	0.9540	-128.600	0.0000	0.000	0	TL/S
2	1.0000	0.000	81.9000	280.000	0	TL/S
3	0.3320	-129.000	135.0000	249.000	0	TL/S
4	0.1550	42.000	140.2000	69.000	0	TL/S

* 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	74.5	10.00	.00	.00
2	74.5	10.00	.00	.00
3	74.5	10.00	.00	.00
4	74.5	10.00	.00	.00

Theoretical Parameters:

Critical Directional Antenna:

Tower No.	Field Ratio	Phasing (Deg.)	Spacing (Deg.)	Orientation (Deg.)	Tower Ref Switch *	Height (Deg.)
1	0.4760	-42.100	0.0000	0.000	0	TL/S
2	1.0000	0.000	135.0000	69.000	0	TL/S
3	0.7080	26.200	275.2000	69.000	0	TL/S

* 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	74.5	10.00	.00	.00
2	74.5	10.00	.00	.00
3	74.5	10.00	.00	.00

Day Directional Operation:

Twr. No.	Phase (Deg.)	Antenna Monitor Sample Current Ratio
1	-19	0.651
3	0	1
4	42.6	0.583

Night Directional Operation:

Twr. No.	Phase (Deg.)	Antenna Monitor Sample Current Ratio
1	-6	0.282
2	123.4	1.119
3	0	1
4	127.3	0.207

Critical Directional Operation:

Twr. No.	Phase (Deg.)	Antenna Monitor Sample Current Ratio
1	-29.1	0.524
3	0	1
4	34.3	0.729

Antenna Monitor: POTOMAC INSTRUMENTS 1901

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

Monitoring Points:

Day Operation:

Radial (Deg. T)	Distance From Transmitter (kM)	Maximum Field Strength (mV/m)
35.5	1.98	60.2
69	5	10.6
102.5	1.97	65.3
249	2.2	231.4

Night Operation:

Radial (Deg. T)	Distance From Transmitter (kM)	Maximum Field Strength (mV/m)
251.5	2.18	13.7
289	2.85	8.54

Critical Operation:

Radial (Deg. T)	Distance From Transmitter (kM)	Maximum Field Strength (mV/m)
42.5	2.23	37.6
69	5	12.5
95	1.85	60
249	2.2	164.5

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.

Special operating conditions or restrictions:

2 Location of Monitor Points:

Direction of 35.5° true North. The point is located on Slacktown Road opposite pole number NJ987FT at the edge of the road.
Point Coordinates: N latitude 40°31'09.7"; W longitude 74°57'45.3" (NAD 27)

Direction of 42.5° true North. The point is located on Slacktown Road opposite pole number NJ991FT at the edge of the road.
Point Coordinates: N latitude 40°31'10.8"; W longitude 74°57'31.3" (NAD27).

Direction of 69° true North. The point is located on Rake Road at the mailbox of the Croton Rod and Gun Club.
Point Coordinates: N latitude 40°31'17.7"; W longitude 74°55'17.9" (NAD27).

Direction of 95° true North. The point is located on the east side of Whiskey Lane at the "ONE LANE BRIDGE" sign facing northbound.
Point Coordinates: N latitude 40°30'13.0"; W longitude 74°57'17.3" (NAD27).

Direction of 102.5° true North. The point is located on the east side of the Whiskey Lane opposite pole 8 at the edge of the road.
Point Coordinates: N latitude 40°30'04.7"; W longitude 74°57'13.8" (NAD27).

Direction of 249° true North. The point is located 35 feet into the driveway on the east side of Union Road opposite the drive of house 103.
Point Coordinates: N latitude 40°29'52.8"; W longitude 75°00'02.3" (NAD 27).

Direction of 251.5° true North. The point is located on the grass near the tree line on the east side of Union Road opposite the drive of house 109.
Point Coordinates: North latitude 40°29'55.1"; West Longitude 75°00'03.2" (NAD 27).

Direction of 289° true North. The point is located on the east side of Union Road near the intersection with County Road 519 on a storm drain near the stop sign.
Point Coordinates: N latitude 40°30'45.8"; W longitude 75°00'30.6" (NAD 27).

3 Ground system consists of 120 equally spaced, buried, copper radials about the base of each tower, each 71.93 meters in length except where terminated by property boundaries or where intersecting radials are shortened and bonded to a transverse copper strap midway between adjacent towers, plus a copper ground screen 7.32 meters square, at the base of each tower.

*** END OF AUTHORIZATION ***