United States of America

FEDERAL COMMUNICATIONS COMMISSION

AM BROADCAST STATION LICENSE

Authorizing Official:

Son Nguyen

Son Nguyen
Supervisory Engineer
Audio Division
Media Bureau

Grant Date: OCT 9 - 2018

This license expires 3:00 a.m. local time, June 01, 2022.

Official Mailing Address:

MULTICULTURAL RADIO BROADCASTING LICENSEE, LI
27 WILLIAM STREET
11TH FLOOR
NEW YORK NY 10005

Facility Id: 27398

Call Sign: WZRC

License File Number: BMML-20180417AAZ

This license is issued to specify new directional antenna parameters based on a Method of Moments proof-of-performance.

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

Name of Licensee: MULTICULTURAL RADIO BROADCASTING LICENSEE, LLC

Station Location: NEW YORK, NY

Frequency (kHz): 1480

Station Class: B

Antenna Coordinates:

	Day			
Latitude:	N	40 Deg	50 Min	42 Sec
Longitude:	W	74 Deg	01 Min	12 Sec

	Night			
Latitude:	N	40 Deg	50 Min	42 Sec
Longitude:	W	74 Deg	01 Min	12 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: 5.4	Night: 5.4
Antenna Mode:	Day: DA	Night: DA

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

Current (amperes):	Day: 10.39	Night: 10.39
Resistance (ohms):	Day: 50	Night: 50

Antenna Registration Number(s):

Day:

Tower No.	ASRN	Overall Height (m)
1	1054298	
2	1058315	
3	1054299	
4	1058316	

Night:

Tower No.	ASRN	Overall Height (m)
1	1054298	
2	1058315	
3	1054299	
4	1058316	

DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

Theoretical RMS (mV/m/km): Day: 840.08 Night: 764.44

Standard RMS (mV/m/km):

Augmented RMS (mV/m/km): Day: 923.98 Night: 816.87

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	1.0000	0.000	0.0000	0.000	0	TL/S
2	1.3300	155.600	100.0000	327.000	0	TL/S
3	0.8800	-52.100	100.0000	327.000	1	TL/S
4	0.2300	97.000	100.0000	327.000	1	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	156.0	39.00	.00	.00
2	156.0	39.00	.00	.00
3	156.0	39.00	.00	.00
4	156.0	39.00	.00	.00

Augmentation Parameters:

Aug No.	Central Azimuth (Deg. T)	Span (Deg.)	Radiation at Central Azimuth (mV/m @ 1 km)
1	30.0	50.0	289.68
2	67.5	23.0	289.68
3	100.0	47.0	1061.02
4	123.5	47.0	1704.65
5	147.0	46.0	1931.21
6	170.0	46.0	1705.89
7	193.3	46.6	1120.28
8	227.0	18.0	289.68
9	236.0	18.0	289.68
10	268.0	54.0	289.68

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	TL/S
2	2.5240	158.800	100.0000	327.000	0	TL/S
3	2.3760	-41.000	100.0000	327.000	1	TL/S
4	0.7980	119.900	100.0000	327.000	1	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	156.0	39.00	.00	.00
2	156.0	39.00	.00	.00
3	156.0	39.00	.00	.00
4	156.0	39.00	.00	.00

Augmentation Parameters:

Aug No.	Central Azimuth (Deg. T)	Span (Deg.)	Radiation at Central Azimuth (mV/m @ 1 km)
1	5.0	25.0	321.87
2	17.5	25.0	154.50
3	30.0	25.0	168.98
4	43.0	26.0	165.92
5	56.0	12.0	138.40
6	62.0	11.0	69.20
7	67.5	11.0	83.69
8	73.0	11.0	135.18
9	227.0	16.0	138.40
10	227.0	10.0	139.21
11	236.0	18.0	180.25
12	252.0	32.0	181.21
13	268.0	27.0	49.89
14	281.5	27.0	177.03
15	295.0	27.0	434.52
16	311.0	32.0	651.78
17	327.0	32.0	697.60
18	327.0	10.0	719.18
19	346.0	38.0	607.77

Day Directional Operation:

Twr. No.	Phase (Deg.)	Antenna Monitor Sample Current Ratio
1	-153.4	0.798
2	0	1
3	155.8	0.568
4	-62.5	0.106

Night Directional Operation:

Twr. No.	Phase (Deg.)	Antenna Monitor Sample Current Ratio
1	-143.9	0.452
2	0	1
3	161.4	0.868
4	-26.5	0.24

Antenna Monitor: GORMAN REDLICH CMR

Sampling System Approved Under Section 73.68 of the Rules.

Special operating conditions or restrictions:

1 Ground system consists of 120 equally-spaced, buried copper radials, each 32 to 91 meters in length except where intersecting radials are shortened and bonded to a transverse copper strap midway between adjacent towers, plus a copper ground screen 18.3 meters square, about the base of each tower.

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 ***