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FEDERAL COMMUNICATIONS COMMISSION

445 12th Street, S.W.
WASHINGTON DC 20554

MEDIA BUREAU
AUDIO DIVISION
TECHNICAL PROCESSING GROUP
APPLICATION STATUS: (202) 418-2730
HOME PAGE: www.fcc.gov/mb/audio

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MAR 29 2006

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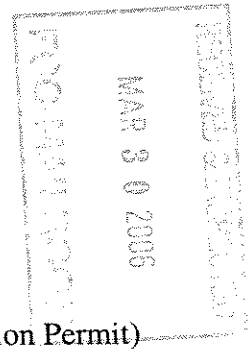

In re: Metro Radio, Inc.
WKCW(AM), Warrenton, VA
Facility ID Number: 73190
BP-20030207ACM (Construction Permit)
BL-20060302ADG (License application)
Program Test Authority ("PTA")

Dear Mr. Lipp:

This is in reference to the request for program test authority and to the above-captioned license application of Metro Radio, Inc. ("Metro") to cover Construction Permit BP-20030207ACM for Station WKCW(AM), Warrenton, Virginia.

Authority is granted WKCW(AM) to conduct daytime and nighttime program tests in accordance with Construction Permit BP-20030207ACM and Section 73.1620 of the Commission's Rules on 1420 kHz with a daytime nominal power of 22 kilowatts and a nighttime nominal power of 60 watts and the attached operating specifications. Please review the attached specifications and inform this office of any discrepancies.

This authority expires on **June 30, 2006**.

The following deficiencies were found with the application and must be resolved:

1. Condition #5 of the permit was not fully satisfied. Condition #5 requires that the licensee of co-located station WPRZ(AM) must submit an application for direct measurement of power. Metro indicates that the WPRZ application will be filed shortly.
2. The non-directional pattern RMS value of Figure 1, the daytime directional pattern RMS value of Figure 2, and the nighttime directional pattern RMS value for Figure 3 must be provided to show compliance with Section 73.151(a).
3. The calibration dates of the meters used to take the field measurement data must be submitted and shown to be recently calibrated.

4. The DA/ND ratio of the 133° daytime radial (Table 2, page 2) does not include point # 2A, 3, 3A, 3B, and 3C.
5. The nighttime directional measurements taken at 900 watts must be reduced by a factor of the square root of (64.8 watts/900 watts)[1], the nighttime directional inverse distance measured fields must be corrected as follows: 50°/52.59 mV/m; 133°/14.19 mV/m; 181°/81.04 mV/m; 230°/101.15 mV/m; 275°/68.42 mV/m and 327°/18.83 mV/m. Accordingly, all nighttime exhibits related to the corrections must be amended.
6. Figure 7A, and Figure 7C, showing the 133° and 327° monitoring points, must be amended to show the correct measured field intensity.

Further action on the subject application will be withheld for forty five (45) days from the date of this letter in order to provide an opportunity to file a curative amendment. Failure to respond or file an amendment within this time period will result in the dismissal of the application pursuant to Section 73.3568 of the Rules. Please contact the processing engineer if you have further questions.

Sincerely,

Son K. Nguyen
Supervisory Engineer
Audio Division
Media Bureau

cc: Metro Radio, Inc.
Edward A. Schober

[1] Pursuant to Section 73.51, for a station with a nominal power less than 5 kW the input power shall exceed the nominal power by 8 percent. In this case, the input power shall be 64 watts.

Name of Licensee: METRO RADIO, INC.

Station Location: WARRENTON, VA

Frequency (kHz): 1420

Station Class: D

Antenna Coordinates:

		Day		
Latitude:	N	38 Deg	43 Min	52 Sec
Longitude:	W	77 Deg	46 Min	42 Sec

		Night		
Latitude:	N	38 Deg	43 Min	52 Sec
Longitude:	W	77 Deg	46 Min	42 Sec

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

Nominal Power (kW): Day: 22.0 Night: 0.060

Antenna Input Power (kW): Day: 23.2 Night: 0.064

Antenna Mode: Day: DA Night: DA

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

Current (amperes): Day: 21.5 Night: 1.14

Resistance (ohms): Day: 50 Night: 50

Antenna Registration Number(s):

Day:

Tower No.	ASRN	
1	None	46.6
2	None	60.6

Night:

Tower No.	ASRN	
1	None	46.6
2	None	60.6

Callsign: WKCW Program Test Authority

DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

Theoretical RMS (mV/m/km): Day: 1448.41 Night: 79.97

Standard RMS (mV/m/km): Day: 1521.63 Night: 84.63

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	0.9000	62.000	0.0000	0.000	0	77.9
2	1.0000	0.000	57.0000	50.000	0	101.9

* 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	0.8200	187.000	0.0000	0.000	0	77.9
2	1.0000	0.000	57.0000	50.000	0	101.8

* Tower Reference Switch
0 = Spacing and orientation from reference tower
1 = Spacing and orientation from previous tower

Day Directional Operation:

Twr. No.	Phase (Deg.)	Antenna Monitor Sample Current Ratio
1	74.3	1.723
2	0	1

Night Directional Operation:

Twr. No.	Phase (Deg.)	Antenna Monitor Sample Current Ratio
1	-175.5	1.56
2	0	1

Callsign: WKCW

Program Test Authority

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)
230	3.33	135.22

Night Operation:

Radial (Deg. T)	Distance From Transmitter (kM)	Maximum Field Strength (mV/m)
133	2.06	6.27
327	4.82	1.75

Special operating conditions or restrictions:

1 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.

2 Location of Monitor Points:

Direction of 230° true North. From Hospital Drive turn left (ESE) to Veterans DR for 0.02 kilometers.

Direction of 133° true North. From SR 672 (Duhollow Rd) turn left (NNE) to SR 674 (Frytown Rd.) for 0.89 kilometer.

Direction of 327° true North. From Academy Rd. turn left (SSW) to SR 628 (Blantyre Rd) for 0.49 kilometer.

3 Ground system consists of 120 equally spaced, buried, copper radials about the base of each tower, each 60.98 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.

4 The night monitoring measurements may be accomplished by operating the night antenna system at 900 watts during the day- monitor point limits
133°/23.37 mV/m;
327°/6.52 mV/m.

*** END OF AUTHORIZATION ***