From: Charles Hecht [mailto:hechtassoc@sprintmail.com]
Sent: Tuesday, August 11, 2015 12:08 PM
To: 'Jerome Manarchuck'
Cc: 'Allan Moskowitz'
Subject: WNYG BMML-20150626ABA

Hi Jerry,

Regarding your question for the value of the base network input current shown on page 9 Exhibit III of WNYG application BMML-20150626ABA, I have discovered a typographical error. The error has been corrected. A revised Exhibit III is attached. Also, the antenna monitor currents shown on page 4 of Form 302-AM have also been revised to comport with the correction on Exhibit III. This page is also attached.

Please advise if you require any additional information.

Thanks,

Charley

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SECTION III - LICENSE APPLICATION ENGINEERING DATA

Name of Applicant: Radio Cantico Nuevo, Inc.

PURPOSE OF AUTHORIZATION APPLIED FOR: (check one)

☑ Station License ☐ Direct Measurement of Power

1. Facilities authorized in construction permit

Call Sign	File No. of Construction Permit (if applicable)	Frequency (kHz)	Hours of Operation	Power in kilowatts	
				Night	Day
WNYG	BP-20110919ADG	1440	Unlimited	0.196	1.0

2. Station location

State	City or Town
New York	Medford

3. Transmitter location

State	County	City or Town	Street address (or other identification)
NY	Suffolk	41 Pennsylvania Ave.	Medford

4. Main studio location

State	County	City or Town	Street address (or other identification)
NY	Suffolk	41 Pennsylvania Ave.	Medford

5. Remote control point location (specify only if authorized directional antenna)

State	County	City or Town	Street address (or other identification)
NY	Suffolk	41 Pennsylvania Ave.	Medford

6. Has type-approved stereo generating equipment been installed? ☐ Yes ☑ No

7. Does the sampling system meet the requirements of 47 C.F.R. Section 73.68? ☑ Yes ☐ No ☐ Not Applicable

Attach as an Exhibit a detailed description of the sampling system as installed. Exhibit No. See Eng.

8. Operating constants:

RF common point or antenna current (in amperes) without modulation for night system	RF common point or antenna current (in amperes) without modulation for day system
2.06	2.66

Measured antenna or common point resistance (in ohms) at operating frequency		Measured antenna or common point reactance (in ohms) at operating frequency	
Night	Day	Night	Day
50	141	0	122.4

Antenna indications for directional operation

Towers	Antenna monitor Phase reading(s) in degrees		Antenna monitor sample current ratio(s)		Antenna base currents	
	Night	Day	Night	Day	Night	Day
1 (S)	-96.7	---	0.356	---		
3 (N)	0.0	---	1.000	---		

Manufacturer and type of antenna monitor: Gorman Redlich CMR

EXHIBIT III

WNYG DERIVED OPERATING PARAMETERS

REVISED AUGUST 2015

WNYG Calculated Night Parameters

Tower	Theoretical Field/Phase	Base Network Input Current	Normalized TCT Value Field/ Phase
1 (S)	0.680/236.0°	0.58/-89.61°	0.356/-96.7°
3 (N)	1.000/0.0°	1.63/7.04°	1.000/0.0°

METHOD OF MOMENTS DETAIL

Although there are three towers on the WNYG site, only the two end towers are used for the nighttime directional operation. However, all three towers are included in the model. One wire was used to represent Towers 1 (S) and 2 (C). Four wires were used to represent Tower 3 (N) with the top-loading. Towers were driven individually to verify the Model compared to measured impedance data. Once the Model was verified, the night directional antenna system was computed. For the directional mode, the complex voltage values for sources located at ground level were computed. These sources produce current moment sums for each tower that, when normalized, equate to the theoretical field parameters for each respective tower.