



402 Tenth Avenue • PO Box 367 • Haddon Heights, NJ 08035

Engineering Report (Amended)

Exhibit 12 Page 1

W248CG – Change antenan and raise power

Cantico Nuevo Ministries, Inc.

January 2018

This report is prepared on behalf of Cantico Nuevo Ministries, Inc., licensee of W248CG, Jersey City, NJ, in support of an application for a change of antenna and power.

### **Channel Allocations**

Exhibit 13 Figure 1 is a overlap allocations map showing that there is no overlap of protected contours of other stations and applications and the proposed interference contours specified in § 74.1204 of the FCC rules. It also shows that the proposed facility does not receive overlap from authorized translators and boosters, with the exception of second adjacent channel stations WSKQ-FM and WQHT, New York, NY.

Figure 2 is a showing the allocations detail for second adjacent channels. This map shows that no overlap occurs with these stations, as the signal level precludes any possibility of interference to these stations.

There are no IF spaced channels with respect to the applied channel 248.

**In conclusion, the proposed translator meets all the overlap requirements of § 74.1204 of the FCC rules and regulations.**

### **Environment**

Exhibit 17 is a study showing that the proposed translator is excluded from environmental processing according to § 1.1306 of the FCC rules. The RF exposure worksheet is included to show that there is no accessible location where the radiation from the translator exceeds exposure standards for general public. The licensee will cooperate with all other users of the tower to assure that safety of workers on the tower is maintained.

### **Engineer's Statement**

This is to certify that this report has been prepared by myself. It is correct and accurate of my

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own knowledge, except where stated otherwise, and where that is so, the information is correct to the best of my knowledge and belief.

I further certify that I am a Licensed Professional Engineer in the State of New Jersey, and the Commonwealth of Pennsylvania with a BSEE degree from the Newark College of Engineering of NJIT, and that I am, and have been for over thirty years, regularly engaged in the practice of radio engineering with the firm of Radiotechniques Engineering, LLC, with offices at 402 Tenth Avenue, Haddon Heights, NJ. I am a member of the AFCCE, Life Senior member of the IEEE and SBE and hold a FCC General Radiotelephone Operator License. My qualifications are a matter of record with the FCC.



12 January 2018

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Edward A. Schober, PE