

ENGINEERING DISCUSSION
Renard Communications Corp.
May, 2008

Renard Communications Corp. (“RCC”) is the licensee of WBQM-LP, channel 3, Brooklyn, NY and received Special Temporary Authority (“STA”) BSTA-20080102AAE to operate from Trump World Tower at 1st Ave. and 48th Street (845 UN Plaza) in Manhattan, NY. RCC is now filing an application for a construction permit at the STA site with facilities as proposed in this application. The proposed 62 dBu contour is shown in Figure 1.

The site is a building with its highest appurtenance at 268.8 m. (882 feet) above ground and there are a number of other licensed communications users on the rooftop. No change in location or height is proposed for the WBQM-LP antenna. The antenna is proposed to remain as it is presently installed and authorized in the STA operation.

Impact to Other Stations

It is necessary to determine the impact to a number of other stations, but they are the same ones as in the original application for the authorization. There are two local stations of interest: WCBS-TV, channel 2, and WNBC-TV, channel 4, both New York, NY. Unfortunately, both of these stations were affected by the destruction of the World Trade Center (“WTC”). WCBS-TV is presently licensed at the Empire State Building (“ESB”) and WNBC maintains an underlying license at the location of the former WTC. In addition, WNBC-TV has two separate authorizations to operate at the ESB. All of the interference studies were performed using Probe 3 from V-Soft Communications. As is shown in the summary table, these facilities will be protected by the instant request for

WBQM-LP. It is also noted that with these two local stations, no masking was used and the lack of interference was calculated with WBQM-LP as a single contributor.

Two co-channel stations operating on channel 3 were also studied. They are: WFSB, Hartford, CT, and KYW-TV, Philadelphia, PA. The summary table below shows that there would be no prohibitive interference to the pertinent stations.

Summary Table of Attached Studies

First Adjacent-Channel Stations

<u>Station</u>	<u>Channel</u>	<u>City/State</u>	<u>Site</u>	<u>File No.</u>	<u>Proposed Interference</u>
WCBS-TV	2	New York, NY	ESB	BLCT-20011123AAQ	0.0%
WNBC-TV	4	New York, NY	WTC	BLCT-19840312KG	0.0%
WNBC-TV	4	New York, NY	ESB	BPCT-20040609ABQ	0.0%
WNBC-TV	4	New York, NY	ESB	BXPCT-20040609ABP	0.0%

Co-Channel Stations

<u>Station</u>	<u>Channel</u>	<u>City/State</u>	<u>File No.</u>	<u>Proposed Unique Interference</u>
WFSB	3	Hartford, CT	BLCT-20060324ABA	0.0%
KYW-TV	3	Philadelphia, PA	BLCT-1825	0.0%
KYW-TV	3	Philadelphia, PA	BXLCT-20050927AHG	0.0%

Figure 1 - Comparison of 62 dBu Contours

WBQM-LP.A
 Latitude: 40-45-08 N
 Longitude: 073-58-03 W
 ERP: 0.75 kW
 Channel: 03-
 Frequency: 62.5 MHz
 AMSL Height: 274.5 m
 Elevation: 9.4 m
 Horiz. Pattern: Directional
 Vert. Pattern: Yes
 Elec Tilt: 0.0
 Prop Model: FCC Contours

WBQM-L
 BLTVL20040426AAA
 Latitude: 40-44-46 N
 Longitude: 073-58-52 W
 ERP: 0.75 kW
 Channel: 03-
 Frequency: 62.5 MHz
 AMSL Height: 186.4 m
 Elevation: 15.2 m
 Horiz. Pattern: Directional
 Vert. Pattern: Yes
 Elec Tilt: 0.0
 Prop Model: FCC Contours

