

Exhibit 7 - Statement A
ENVIRONMENTAL CONSIDERATIONS
prepared for
Nassau Broadcasting III, LLC
WBQW(FM) Scarborough, Maine
Facility ID 73885
Ch. 292A 3.0 kW 88 m

Nassau Broadcasting III, LLC (“Nassau”) is the licensee of radio station WBQW(FM), Ch. 292A, Scarborough, Maine (BMLH-20031110AJP). Nassau has replaced the authorized WBQW antenna with a new, three-bay FM antenna in accordance with §73.1690(c)(1) of the FCC’s Rules. The replacement antenna is mounted such that the antenna radiation center is identical to that of the authorized antenna. As detailed in **Figure 7 – Table 1**, changes to the WBQW non-directional antenna and replacement of transmission line necessitated recalculation of the transmitter output power. No change in effective radiated power (“ERP”) or antenna height above ground is specified. The instant application specifies a one-second correction to licensed longitude to eliminate a discrepancy with the Antenna Structure Registration¹.

Human Exposure to Radiofrequency Electromagnetic Field

The proposed operation was evaluated for human exposure to radiofrequency energy using the procedures outlined in the Commission’s OET Bulletin No. 65 (“OET 65”). OET 65 describes a means of determining whether a proposed facility exceeds the radiofrequency exposure guidelines adopted in §1.1310. Under present Commission policy, a facility may be presumed to comply with the limits in §1.1310 if it satisfies the exposure criteria set forth in OET 65. Based upon that methodology, and as demonstrated in the following, the WBQW transmitting system complies with the cited adopted guidelines.

The circularly polarized, three bay antenna (Shively Model 6813-3R) is installed such that its center of radiation is 71 meters above ground. An effective radiated power (“ERP”) of 3.0 kilowatts, circularly polarized, is employed. The “uncontrolled / general population” maximum permissible exposure (“MPE”) limit specified in §1.1310 for the FM radio band is 200 $\mu\text{W}/\text{cm}^2$.

¹ ASR Number 1007523

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Calculations were made per OET 65 to predict power density attributable to the proposed facility to a point two meters above ground level. The formula used for calculating FM signal density in this analysis is essentially the same as equation (10) in OET 65.

$$S = (33.4098) (F^2) (ERP) / D^2$$

Where:

S	=	power density in microwatts/cm ²
ERP	=	total (average) ERP in Watts
F	=	relative field factor
D	=	distance in meters

Referencing the elevation pattern in the attached **Exhibit 7 – Figure 1**, the proposed antenna will have a relative field of 0.4 or less from 20 to 90 degrees below the horizontal plane (i.e.: below the antenna). Thus, a relative field value of 0.4 is used for this calculation.

Using the above formula and 40 percent downward field, the proposed facility would contribute an RF power density of 6.73 μW/cm² at two meters above ground level near the antenna support structure, or 3.4 percent of the general population/uncontrolled limit. At ground level locations away from the base of the tower, the calculated RF power density is even lower, due to the increasing distance from the transmitting antenna.

§1.1307(b)(3) states that facilities contributing less than five percent of the exposure limit at locations with multiple emitters (such as the case at hand), are categorically excluded from responsibility for taking any corrective action in the areas where their contribution is less than five percent. Since the instant situation meets the five percent exclusion test at all ground level areas, the impact of various other facilities near this site may be considered independently from this proposal. Accordingly, it is believed that the impact of the proposed operation should not be considered to be a factor at ground level as defined under §1.1307(b).

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Safety of Tower Workers and the General Public

As demonstrated herein, excessive levels of RF energy will not be caused by the proposal at publicly accessible areas at ground level near the antenna supporting structure. Consequently, members of the general public will not be exposed to RF levels in excess of the Commission's guidelines. Nevertheless, tower access will continue to be restricted and controlled through the use of a locked fence. Additionally, appropriate RF exposure warning signs will continue to be posted.

With respect to worker safety, it is believed that based on the preceding analysis, excessive exposure would not occur in areas at ground level. A site exposure policy will continue to be employed protecting maintenance workers from excessive exposure when work must be performed on the tower in areas where high RF levels may be present. Such protective measures may include, but will not be limited to, restriction of access to areas where levels in excess of the guidelines may be expected, power reduction, or the complete shutdown of facilities when work or inspections must be performed in areas where the exposure guidelines will be exceeded. On-site RF exposure measurements may also be undertaken to establish the bounds of safe working areas. The applicant coordinates exposure procedures with all pertinent stations.

Conclusion

Based on the preceding, it is believed that the instant proposal may be categorically excluded from environmental processing under Section 1.1306 of the Rules, hence preparation of an Environmental Assessment is not required.

Exhibit 7 - Table 1
ANTENNA / LINE SYSTEM GAINS AND LOSSES
 prepared March, 2006 for
Nassau Broadcasting III, L.L.C.
 WBQW(FM) Scarborough, Maine
 Facility ID 73885
 Ch. 292A 3.0 kW 88 m

Existing License File Number: BMLH-20031110AJP

Authorized Effective Radiated Power:	3.00 kW	4.77 dBk
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Antenna System

Shively 6813-3R	Max Power Gain:	1.55	1.90 dB
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Antenna Input Power:	1.94 kW
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Line and Other Losses

Line Segment 1			
Andrew HJ7-50A	Efficiency:	0.8815	
Length 260 feet	Loss:		0.55 dB

Total Losses:	0.55 dB
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<u>Transmitter Power Output:</u>	2.20 kW	3.42 dBk
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FIELD ELEVATION PATTERN

ANT. MFG.: SHIVELY LABS

ANT. TYPE: 3 BAY STD.

Power Gain 1.55 1.90 dB

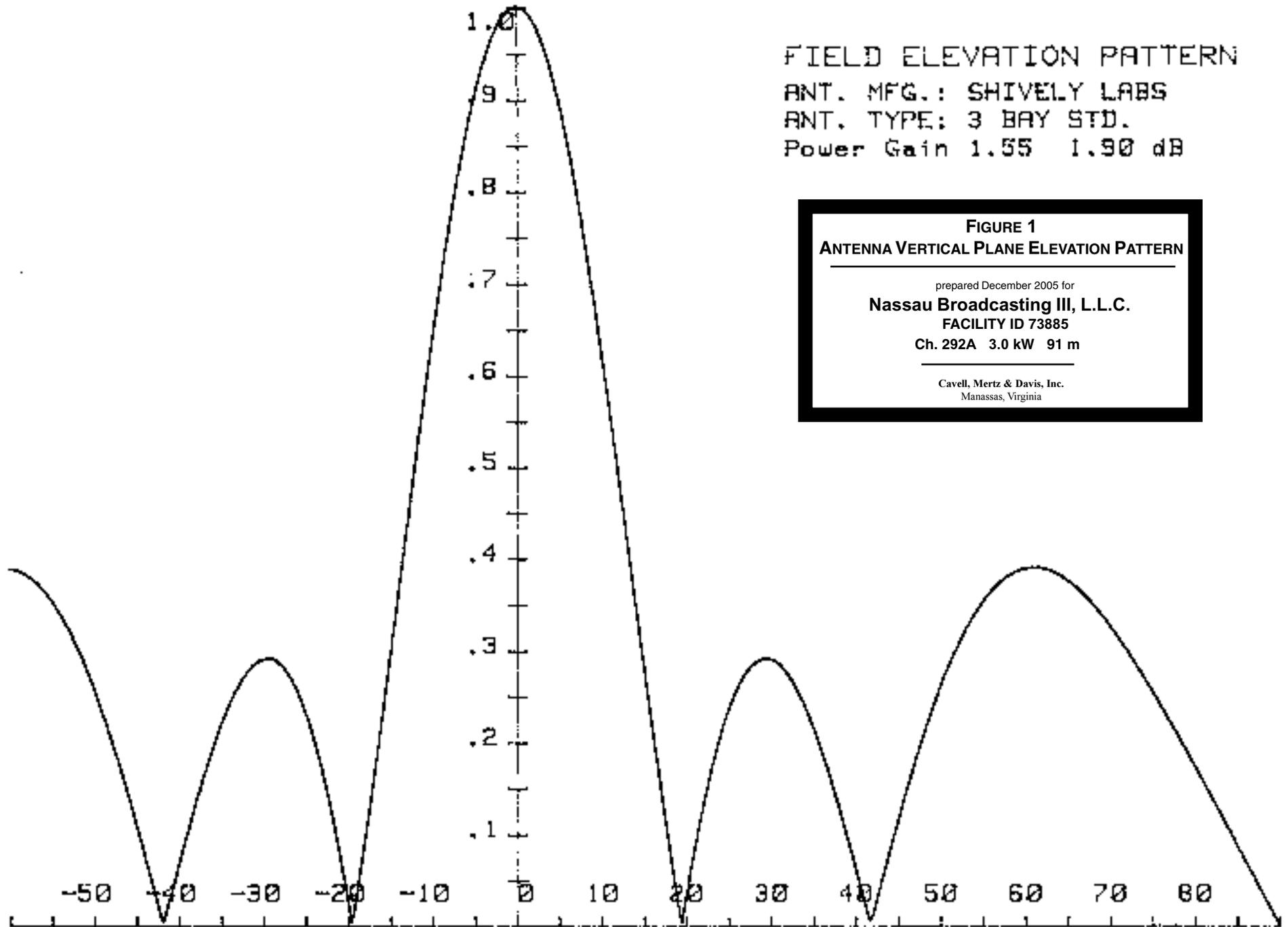


FIGURE 1
ANTENNA VERTICAL PLANE ELEVATION PATTERN

prepared December 2005 for

Nassau Broadcasting III, L.L.C.

FACILITY ID 73885

Ch. 292A 3.0 kW 91 m

Cavell, Mertz & Davis, Inc.
Manassas, Virginia