

EXHIBIT 18.1

RF RADIATION STUDY

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This firm was retained to study the potential for human exposure to non-ionizing radiofrequency radiation associated with this power increase application for AM station WTOR(AM), Youngstown, NY. There is no other source of RF radiation within 315 meters of this single source site.

WTOR(AM) will operate on a frequency of 770 kHz with a power of 13.0 kW using a three tower directional antenna system during daytime hours only. The vertical radiators for WTOR(AM) have an electrical height of 56.1° or 0.156 λ (wavelengths).

This site has been evaluated for compliance with the FCC guidelines concerning human exposure to radiofrequency radiation. The standards employed are detailed in OET Bulletin No. 65 (Edition 97-01).

Software packages were used to determine the individual contribution of each station. A software package designed for use with AM stations (under the previous OST Bulletin No. 65, October 1985) was used to determine the contribution of this facility to the non-ionizing radiofrequency radiation present at this site. This program bases its calculations on data found in Figures 1, 2, and 3 of Appendix D of OST Bulletin No. 65, October 1985.

The results of the evaluation for the station has been shown in both graphical and tabular form at the end of this report. The tabular form lists the portion of the tabular output for the station, showing the region of maximum non-ionizing radiation. (The maximum values have been indicated by the use of ***bold italic print.***) For WTOR(AM), the maximum contribution has been assumed to occur at a distance of 7 meters representing the existing minimum fencing distance.

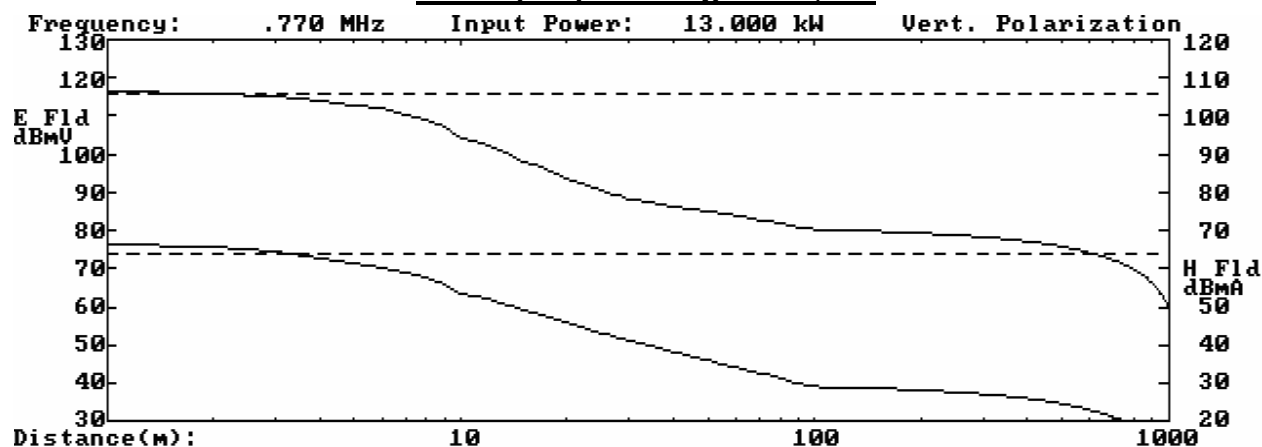
The tabulation of AM data use the units of measurement, V^2/m^2 and A^2/m^2 , that were used in the previous standards as set forth in OST Bulletin No. 65, October 1985. Inspection of the tabulations will show the maximum contribution of WTOR(AM) at the AM tower is made by the magnetic field. At this point, the field has a predicted value of 0.7862 A^2/m^2 , or 0.8867 A/m, which represents 54.44% of the more stringent 1.63 A/m uncontrolled limit. Alternately, inspection of the tabulations will show the maximum electric contribution of WTOR(AM) has a predicted value of 110,086 V^2/m^2 , or 331.79 V/m, which represents 54.04% of the 614 V/m uncontrolled limit

Since the electric and magnetic fields are both less than the uncontrolled environment limits, the operation of the transmitting plant is in compliance with the provisions of OET Bulletin No. 65 (Edition 97-01). Protection of the uncontrolled environment implies protection of the controlled environment. There are no other broadcast sources of radiofrequency non-ionizing radiation present at this site.

In addition to the protection afforded by the existing AM fence, the facility is properly marked with signs, and entry to the facility is restricted by means of fencing with locked doors and/or gates. Any other means as may be required to protect employees and the general public will be employed. In the event work would be required in proximity to the antenna such that the person or persons working in the area would be potentially exposed to fields in excess of FCC guidelines, an agreement, signed by all broadcast parties at the site, is in effect for the offending transmitter(s) to reduce power, or cease operation during the critical period.

PLOT OF ELECTRIC AND MAGNETIC FIELD STRENGTHS

WTOR(AM) – Youngstown, NY



Call: WTOR Frequency: .770 MHz
 Horizontal Input Power : .000 kW Vertical Input Power : 13.000 kW
 Antenna Type: AM NON-D
 Horizontal Element Type Number: 0. Vertical Element Type Number: 1.
 Height of observer above reference plane: 2.0 Meters

Element Data: Vertical Number of elements: 1
 Distance from analysis reference point: .0 meters
 Azimuth from analysis reference point: N .0 E
 Height of tower above reference plane: 56.1 Degrees

Element Number	Distance From Center (wavelengths)	Relative Power	Relative Phase
1.	.00	1.000	.0

* - indicates computed value exceeds ANSI guideline.

Distance (meters)	Horizontal Polarization		Vertical Polarization		Total Power Density (mW/cm2)
	E2 Field (V2/m2)	H2 Field (A2/m2)	E2 Field (V2/m2)	H2 Field (A2/m2)	
1.00	0.	.0000	447556.*	4.5087*	142.0526*
2.00	0.	.0000	375583.	3.5484*	115.4439*
3.00	0.	.0000	309915.	2.7030*	91.5263
4.00	0.	.0000	250553.	1.9725	70.2998
5.00	0.	.0000	197496.	1.3568	51.7643
6.00	0.	.0000	150620.	1.0522	39.8090
7.00	0.	.0000	110086.	.7862	29.4197
8.00	0.	.0000	75892.	.5590	20.5963
9.00	0.	.0000	48040.	.3704	13.3388
10.00	0.	.0000	26528.	.2205	7.6473
11.00	0.	.0000	21387.	.1872	6.3282
12.00	0.	.0000	16800.	.1568	5.1316
13.00	0.	.0000	12765.	.1290	4.0574
14.00	0.	.0000	9284.	.1039	3.1056
15.00	0.	.0000	6356.	.0815	2.2762
16.00	0.	.0000	5374.	.0715	1.9602
17.00	0.	.0000	4475.	.0621	1.6675
18.00	0.	.0000	3658.	.0534	1.3980
19.00	0.	.0000	2924.	.0454	1.1518
20.00	0.	.0000	2271.	.0380	.9288
21.00	0.	.0000	1997.	.0341	.8247
22.00	0.	.0000	1740.	.0304	.7267
23.00	0.	.0000	1501.	.0269	.6349
24.00	0.	.0000	1279.	.0236	.5492
25.00	0.	.0000	1075.	.0205	.4696

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