

## **EXHIBIT 30.1**

### **COMPLIANCE WITH RADIOFREQUENCY RADIATION GUIDELINES**

This instant application for CH44C2, McMillan, MI has been evaluated for human exposure to non-ionizing radiofrequency radiation at the transmitter site. There are no other sources of RF Radiation within 315 meters of this single source site. The potential for human exposure to non-ionizing radiofrequency radiation at the transmitter site has been evaluated with regards to §1.1310 for RF Radiation sources.

The proposed facility will operate on 96.7 MHz with a maximum effective radiated power (ERP) of 50.0 kW circular polarization. The station will employ a 6-bay OMB SGP-6 antenna mounted 113 meters above ground level (AGL). The elements are spaced  $0.75 \lambda$  (wavelength) apart and have been assumed to be worst case EPA Type 1 elements.

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 the station. FM radiofrequency radiation levels were predicted using both the array pattern, the calculations of which are based on the number of bays in the antenna and wavelength spacing between the bays, and the element pattern. The element pattern is determined by using measured element data prepared by the EPA and published in "An Engineering Assessment of the Potential Impact of Federal Radiation Protection Guidance on the AM, FM and TV Services," by Paul C. Gailey and Richard Tell - April 1985, U.S. Environmental Protection Agency, Las Vegas, NV. The programs use formulas originally published in OST Bulletin No. 65, 1985.

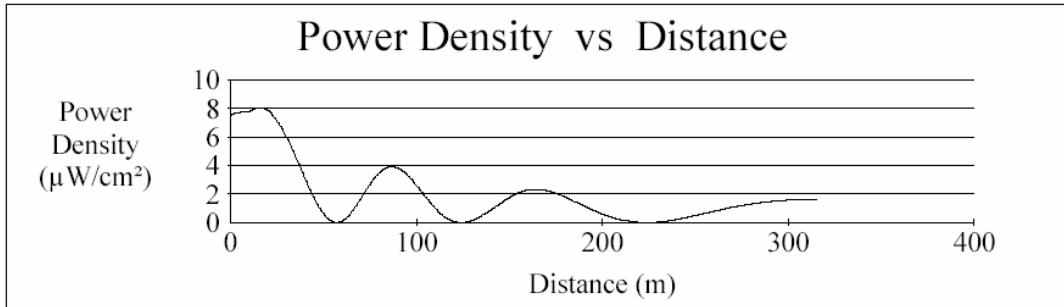
The result of the evaluations for the station is shown in both graphical and tabular forms at the end of this report. The tabulation lists the portion of the tabular output for the station showing the region of maximum radiofrequency radiation. The locations of maximum predicted power density have been highlighted. The FM graphical display has been scaled to show the best definition of the data curve.

Under the current FCC guidelines, evaluation is required for two separate levels of protection. The first of these evaluates "controlled environment" which is defined in Note 1 to Table 1 of §1.1310 as "...situations in which persons are exposed as a consequence of their employment..." and "...situations when an individual is transient through a location where occupational/controlled limits apply. The second is the "uncontrolled environment" which Note 2 to Table 1 of §1.1310 defines as "...situations in which the general public may be exposed, or in which persons that are exposed as a consequence of their employment may not be fully aware of the potential for exposure or can not exercise control over their exposure."

Inspection of the tabulation for the proposed operation shows a maximum predicted power density of  $8.0045 \mu\text{W}/\text{cm}^2$  will occur at a distance of 16 meters from the base of the tower. This represents 0.8% of the  $1000 \mu\text{W}/\text{cm}^3$  controlled limit and 4.0% of the  $200 \mu\text{W}/\text{cm}^3$  uncontrolled limit. Operation of the site will not result in human exposure to non-ionizing radiofrequency radiation in excess of the present FCC standards.

In addition to the protection afforded by the antenna height above ground, 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 required to protect employees and the general public will be employed. In the event work is required in proximity to the antenna(s) such that the person or persons working in the area will be potentially exposed to fields in excess of the current guidelines the offending transmitter will reduce power, or cease operation during the critical period.

**PLOT OF TOTAL POWER DENSITY**  
**NEW CH244C2 – McMillan, MI**  
**Using a 6-Bay EPA Type 1 Antenna Mounted 113 meters AGL**



Distance (meters) = 100  
Horizontal ERP (W) = 50000  
Antenna Height (m) = 113  
Number of Elements = 6  
Y-axis (Linear) = -1

Vertical ERP (W) = 50000  
Antenna EPA Type = 1  
Element Spacing = .75  
X-axis Setup = -1, 315

X(m)	Y(μW/cm <sup>2</sup> )	X(m)	Y(μW/cm <sup>2</sup> )	X(m)	Y(μW/cm <sup>2</sup> )	X(m)	Y(μW/cm <sup>2</sup> )
0	7.5323	26	6.9683	52	.34144	78	3.1905
1	7.5763	27	6.7650	53	.22295	79	3.3379
2	7.6162	28	6.5481	54	.12939	80	3.4702
3	7.6519	29	6.3179	55	6.1113E-02	81	3.5863
4	7.6832	30	6.0735	56	1.8208E-02	82	3.6853
5	7.7099	31	5.8134	57	5.3681E-04	83	3.7664
6	7.7315	32	5.5428	58	7.7124E-03	84	3.8293
7	7.7479	33	5.2628	59	3.9107E-02	85	3.8735
8	7.7586	34	4.9746	60	.09386	86	3.8989
9	7.7631	35	4.6795	61	.17088	87	3.9057
10	7.7812	36	4.3791	62	.26888	88	3.8941
11	7.8415	37	4.0750	63	.38635	89	3.8646
12	7.8937	38	3.7689	64	.52162	90	3.8178
13	7.9369	39	3.4625	65	.67407	91	3.7544
14	7.9703	40	3.1578	66	.84122	92	3.6753
15	7.9931	41	2.8610	67	1.0209	93	3.5816
16	8.0045	42	2.5715	68	1.2111	94	3.4764
17	8.0035	43	2.2881	69	1.4095	95	3.3590
18	7.9895	44	2.0129	70	1.6139	96	3.2305
19	7.9615	45	1.7480	71	1.8220	97	3.0921
20	7.8920	46	1.4955	72	2.0314	98	2.9452
21	7.7729	47	1.2572	73	2.2399	99	2.7912
22	7.6402	48	1.0351	74	2.4453	100	2.6315
23	7.4934	49	.83101	75	2.6454		
24	7.3326	50	.64645	76	2.8380		
25	7.1575	51	.48293	77	3.0214		