

## **EXHIBIT 29.1**

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

The instant application for WWRZ(FM), Fort Meade, FL has been evaluated for human exposure to non-ionizing radiofrequency radiation at the transmitter site. The site will house multiple transmitters. The potential for human exposure to non-ionizing radiofrequency radiation at the proposed transmitter site has been evaluated with regards to §1.1307(b)(3) concerning the five percent (5%) contribution rule for multiple transmitter sites.

The WWRZ(FM) facility will operate on 98.3 MHz with a maximum effective radiated power (ERP) of 11.5 kW circular polarization. The facility will operate with a two element Shively antenna mounted 303 meters above ground level (AGL). EPA Type 6 elements were assumed.

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.

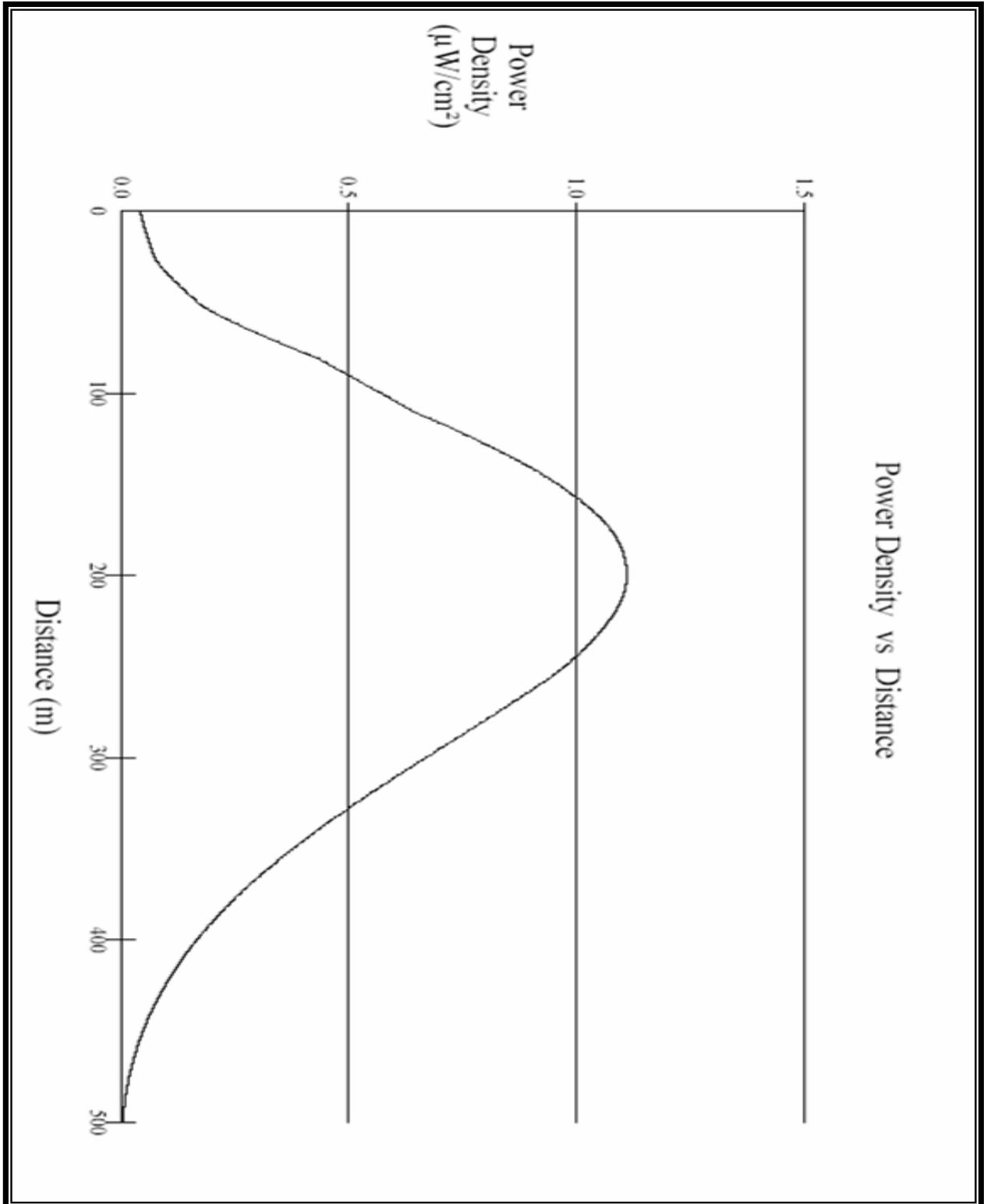
To evaluate the total exposure to non-ionizing radio-frequency radiation with regards to the five percent contribution exclusion rule, it is necessary to express the individual contribution as a decimal fraction of the maximum permissible limit. If the resulting contribution is less than or equal to 0.05 (5.0%), the exposure is concluded to be within the guidelines of OET Bulletin No. 65 (Edition 97-01) and §1.1307(b)(3). The maximum predicted exposure of  $1.1113 \mu\text{W}/\text{cm}^2$  will occur at 199 to 200 meters from the base of the tower. This level represents 0.56% of the  $200 \mu\text{W}/\text{cm}^2$  limit for the more restrictive uncontrolled environment where members of the general public may be exposed to radiofrequency radiation. Protection of the more restrictive uncontrolled limit implies protection of the controlled limit.

Since the maximum contribution of 0.556% for the uncontrolled environments is less than the 5.0% as set for by §1.1307(b)(3), the facility is in compliance with FCC guidelines. §1.1307(b)(3) states that facilities contributing less than five percent of the exposure limit at locations with multiple transmitters are categorically excluded from responsibility for taking any corrective action in the areas where its contribution is less than five percent. Since this instant application meets the five percent exclusion test at all ground level areas, the impact of the proposed facility may be considered independently from other facilities operating at or nearby this site. It is believed the impact of the proposed operation should not be considered to be a factor at ground level as defined under §1.1307(b)(3).

In addition to the protection afforded by the proposed 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 that may be 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, an agreement signed by all broadcast parties at the site will be in effect for the offending transmitter(s) to reduce power, or cease operation during the critical period.

**PLOT OF TOTAL POWER DENSITY**  
**WWRZ – Fort Meade, FL**  
**Using a 2-Bay EPA Type 6 Antenna Mounted 303 meters AGL**



**TAB OF TOTAL POWER DENSITY**  
**WWRZ – Fort Meade, FL**  
**Using a 2-Bay EPA Type 6 Antenna Mounted 303 meters AGL**

Distance (meters) = 0 to 450  
Horizontal ERP (W) = 11500      Vertical ERP (W) = 11500      Antenna Height (m) = 303  
Antenna Type = 6      Number of Elements = 2      Element Spacing = 1  
Y-axis (Linear) = -1      X-axis Setup = -1, 500

X(m)	Y(μW/cm <sup>2</sup> )										
50	.17013	113	.67077	176	1.0795	239	1.0226	302	.65617	365	.30477
51	.17505	114	.67972	177	1.0822	240	1.0185	303	.64988	366	.30016
52	.18004	115	.68864	178	1.0847	241	1.0144	304	.64361	367	.29559
53	.18509	116	.69752	179	1.0872	242	1.0101	305	.63734	368	.29106
54	.19237	117	.70637	180	1.0895			306	.63109	369	.28657
55	.19995	118	.71518	181	1.0918	244	1.0015	307	.62485	370	.28212
56	.20767	119	.72395	182	1.0939	245	.99709	308	.61862	371	.27770
57	.21550	120	.73267	183	1.0958	246	.99259	309	.61241	372	.27333
58	.22347	121	.74135	184	1.0977	247	.98804	310	.60622	373	.26900
59	.23155	122	.74998	185	1.0994	248	.98342	311	.60004	374	.26471
60	.23976	123	.75856	186	1.1011	249	.97874	312	.59388	375	.26045
61	.24808	124	.76709	187	1.1026	250	.97400	313	.58773	376	.25624
62	.25652	125	.77557	188	1.1039	251	.96920	314	.58161	377	.25207
63	.26508	126	.78399	189	1.1052	252	.96434	315	.57550	378	.24793
64	.27374	127	.79235	190	1.1063	253	.95912	316	.56941		
65	.28252	128	.80065	191	1.1074	254	.95345	317	.56335	380	.23978
66	.29140	129	.80888	192	1.1083	255	.94773	318	.55730	381	.23577
67	.30039	130	.81705	193	1.1091	256	.94198	319	.55128	382	.23180
68	.30948	131	.82516	194	1.1097	257	.93619	320	.54528	383	.22786
69	.31867	132	.83319	195	1.1103	258	.93037	321	.53930	384	.22397
70	.32795	133	.84116	196	1.1107	259	.92451	322	.53334	385	.22011
71	.33733	134	.84905	197	1.1110	260	.91862	323	.52741	386	.21629
72	.34680	135	.85686	198	1.1112	261	.91269	324	.52150	387	.21252
73	.35637	136	.86460	199	1.1113	262	.90674	325	.51561	388	.20878
74	.36601	137	.87226	200	1.1113	263	.90076	326	.50975	389	.20508
75	.37575	138	.87983	201	1.1111	264	.89475	327	.50392	390	.20142
76	.38556	139	.88733	202	1.1109	265	.88871	328	.49812	391	.19780
77	.39545	140	.89474	203	1.1105	266	.88264	329	.49234	392	.19422
78	.40542	141	.90182	204	1.1100	267	.87655	330	.48658	393	.19068
79	.41546	142	.90868	205	1.1094	268	.87044	331	.48086	394	.18718
80	.42558	143	.91545	206	1.1087	269	.86431	332	.47516	395	.18372
81	.43472	144	.92212	207	1.1079	270	.85815	333	.46949	396	.18029
82	.44195	145	.92871	208	1.1070	271	.85197	334	.46385	397	.17691
83	.44919	146	.93520	209	1.1059	272	.84578	335	.45824	398	.17356
84	.45644	147	.94159	210	1.1048	273	.83956	336	.45266	399	.17025
85	.46370	148	.94789	211	1.1035	274	.83333	337	.44711	400	.16698
86	.47096	149	.95409	212	1.1019	275	.82709	338	.44159	401	.16375
87	.47824	150	.96019	213	1.1001	276	.82083	339	.43610	402	.16055
88	.48551	151	.96619	214	1.0983	277	.81455	340	.43064	403	.15740
89	.49279	152	.97208	215	1.0964	278	.80826	341	.42522	404	.15428
90	.50006	153	.97788	216	1.0943	279	.80196	342	.41982	405	.15120
91	.50733	154	.98356	217	1.0922	280	.79566	343	.41446	406	.14815
92	.51460	155	.98914	218	1.0900	281	.78934	344	.40913	407	.14515
93	.52187	156	.99462	219	1.0876	282	.78301	345	.40383	408	.14218
94	.52912	157	.99999	220	1.0852	283	.77667	346	.39857	409	.13925
95	.53637	158	1.0052	221	1.0827	284	.77033	347	.39334	410	.13635
96	.54361	159	1.0103	222	1.0801	285	.76399	348	.38814	411	.13350
97	.55083	160	1.0154	223	1.0774	286	.75764	349	.38298	412	.13068
98	.55804	161	1.0203	224	1.0746	287	.75128	350	.37785	413	.12789
99	.56524	162	1.0251	225	1.0717	288	.74493	351	.37276	414	.12514
100	.57241	163	1.0298	226	1.0688	289	.73857	352	.36770	415	.12243
101	.57957	164	1.0344	227	1.0657	290	.73221	353	.36268	416	.11976
102	.58670	165	1.0389	228	1.0626	291	.72585	354	.35769	417	.11712
103	.59382	166	1.0432	229	1.0593	292	.71949	355	.35273	418	.11451
104	.60090	167	1.0474	230	1.0560	293	.71314	356	.34782	419	.11195
105	.60796	168	1.0516	231	1.0526	294	.70678	357	.34293	420	.10941
106	.61499	169	1.0556	232	1.0492	295	.70044	358	.33809	421	.10692
107	.62200	170	1.0594	233	1.0456	296	.69409	359	.33326	422	.10445
108	.62897	171	1.0632	234	1.0420	297	.68775	360	.32841	423	.10203
109	.63590	172	1.0668	235	1.0382	298	.68142	361	.32361	424	.09963
110	.64376	173	1.0704	236	1.0344	299	.67510	362	.31884	425	.09727
111	.65279	174	1.0737	237	1.0306	300	.66878	363	.31411		
112	.66180	175	1.0766	238	1.0266	301	.66247	364	.30942		