

WKAQ-TV Application for Modification**Calculated Depression Angle, Relative Field and Effective Radiated Power at the radio horizon****EXHIBIT 43****June 2, 2010**

Bearing (true)	HAAT (meters)	Depression angle to radio horizon	Mechanical tilt at this bearing	Combined depression angle	Azimuth pattern relative field	Elevation pattern relative field	Elevation relative field per Sec. 73.625(b)	Radio horizon relative field per Sec. 73.625(b)	Radio Horizon ERP (kW)	Radio Horizon ERP (dBk)
0	1074	0.908	0.373	0.534	0.991	0.755	0.755	0.748	517.2	27.14
5	1080	0.910	0.412	0.498	0.995	0.737	0.737	0.733	497.5	26.97
10	1099	0.918	0.451	0.467	0.997	0.722	0.722	0.720	479.6	26.81
15	1102	0.920	0.490	0.430	0.997	0.704	0.704	0.702	455.9	26.59
20	1097	0.917	0.529	0.389	0.993	0.684	0.684	0.679	426.6	26.30
25	1064	0.904	0.568	0.336	0.986	0.656	0.656	0.646	386.6	25.87
30	1047	0.896	0.607	0.290	0.977	0.631	0.631	0.616	351.5	25.46
35	1021	0.885	0.646	0.240	0.967	0.604	0.604	0.584	315.7	24.99
40	1010	0.880	0.684	0.196	0.958	0.581	0.581	0.556	286.2	24.57
42	1019	0.884	0.700	0.184	0.955	0.574	0.574	0.548	278.0	24.44
45	1002	0.877	0.677	0.200	0.952	0.583	0.583	0.555	285.0	24.55
50	1023	0.886	0.638	0.248	0.952	0.609	0.609	0.580	310.7	24.92
55	1015	0.882	0.599	0.284	0.957	0.628	0.628	0.601	333.8	25.24
60	1025	0.887	0.560	0.327	0.966	0.651	0.651	0.629	365.6	25.63
65	1026	0.887	0.521	0.366	0.978	0.672	0.672	0.657	399.4	26.01
70	985	0.869	0.482	0.387	0.990	0.683	0.683	0.676	423.1	26.26
75	972	0.864	0.443	0.420	0.998	0.700	0.700	0.698	451.1	26.54
80	963	0.860	0.404	0.455	0.999	0.716	0.716	0.716	473.9	26.76
85	937	0.848	0.366	0.482	0.989	0.730	0.730	0.722	481.5	26.83
87	933	0.846	0.350	0.496	0.982	0.736	0.736	0.723	483.4	26.84
90	929	0.844	0.327	0.518	0.968	0.746	0.746	0.723	482.9	26.84
95	944	0.851	0.288	0.563	0.933	0.768	0.768	0.717	475.4	26.77
100	940	0.849	0.249	0.600	0.888	0.786	0.786	0.698	450.8	26.54
105	922	0.841	0.210	0.631	0.837	0.799	0.799	0.668	413.3	26.16
110	933	0.846	0.171	0.675	0.782	0.816	0.816	0.638	377.0	25.76
115	907	0.834	0.132	0.702	0.732	0.827	0.827	0.606	339.2	25.31
120	907	0.834	0.093	0.741	0.692	0.843	0.843	0.583	314.8	24.98
124	850	0.808	0.062	0.745	0.671	0.845	0.845	0.567	297.3	24.73
125	863	0.814	0.054	0.759	0.667	0.851	0.851	0.567	297.7	24.74
130	874	0.819	0.016	0.803	0.660	0.868	0.868	0.573	303.6	24.82
135	861	0.813	-0.023	0.836	0.670	0.879	0.879	0.589	320.5	25.06
140	900	0.831	-0.062	0.893	0.694	0.897	0.897	0.622	358.3	25.54
141	926	0.843	-0.070	0.913	0.700	0.903	1.000	0.700	453.3	26.56
145	966	0.861	-0.101	0.962	0.726	0.919	1.000	0.726	487.5	26.88
150	1025	0.887	-0.140	1.027	0.760	0.937	1.000	0.760	534.3	27.28
155	1053	0.899	-0.179	1.078	0.791	0.948	1.000	0.791	578.8	27.62
160	1088	0.914	-0.218	1.131	0.813	0.960	1.000	0.813	611.4	27.86
165	1099	0.918	-0.257	1.175	0.825	0.969	1.000	0.825	629.6	27.99
167	1105	0.921	-0.272	1.193	0.826	0.973	1.000	0.826	631.1	28.00
170	1100	0.919	-0.296	1.214	0.823	0.977	1.000	0.823	626.5	27.97
175	1079	0.910	-0.334	1.244	0.810	0.980	1.000	0.810	606.9	27.83
180	1091	0.915	-0.373	1.288	0.785	0.985	1.000	0.785	570.0	27.56
185	1071	0.907	-0.412	1.319	0.753	0.988	1.000	0.753	524.5	27.20
190	1003	0.877	-0.451	1.328	0.719	0.989	1.000	0.719	478.2	26.80
195	937	0.848	-0.490	1.338	0.688	0.990	1.000	0.688	437.8	26.41
200	904	0.833	-0.529	1.362	0.667	0.993	1.000	0.667	411.5	26.14
205	883	0.823	-0.568	1.391	0.660	0.996	1.000	0.660	402.9	26.05
210	898	0.830	-0.607	1.437	0.671	0.998	1.000	0.671	416.5	26.20
215	852	0.809	-0.646	1.454	0.699	0.999	1.000	0.699	452.0	26.55
220	821	0.794	-0.684	1.478	0.742	0.999	1.000	0.742	509.3	27.07
225	771	0.769	-0.677	1.446	0.793	0.998	1.000	0.793	581.7	27.65
230	714	0.740	-0.638	1.378	0.847	0.995	1.000	0.847	663.6	28.22
235	741	0.754	-0.599	1.353	0.898	0.992	1.000	0.898	745.9	28.73
240	776	0.772	-0.560	1.332	0.941	0.989	1.000	0.941	819.1	29.13
245	799	0.783	-0.521	1.304	0.973	0.986	1.000	0.973	875.7	29.42
250	737	0.752	-0.482	1.234	0.992	0.979	1.000	0.992	910.3	29.59
255	708	0.737	-0.443	1.180	1.000	0.971	1.000	1.000	925.0	29.66
256	709	0.738	-0.436	1.173	1.000	0.969	1.000	1.000	925.0	29.66
260	731	0.749	-0.404	1.153	0.997	0.965	1.000	0.997	919.5	29.64
265	775	0.771	-0.366	1.137	0.988	0.961	1.000	0.988	902.9	29.56
270	800	0.783	-0.327	1.110	0.976	0.955	1.000	0.976	881.1	29.45
275	823	0.795	-0.288	1.082	0.964	0.949	1.000	0.964	859.6	29.34
280	855	0.810	-0.249	1.059	0.955	0.944	1.000	0.955	843.6	29.26
285	862	0.813	-0.210	1.023	0.951	0.936	1.000	0.951	836.6	29.23

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290	821	0.794	-0.171	0.965	0.953	0.920	1.000	0.953	840.1	29.24
295	794	0.781	-0.132	0.913	0.959	0.903	1.000	0.959	850.7	29.30
296	798	0.782	-0.124	0.907	0.961	0.901	1.000	0.961	854.3	29.32
297	803	0.785	-0.117	0.902	0.963	0.900	0.900	0.866	694.1	28.41
298	815	0.791	-0.109	0.900	0.965	0.899	0.899	0.867	696.0	28.43
300	805	0.786	-0.093	0.879	0.969	0.892	0.892	0.865	691.6	28.40
305	786	0.777	-0.054	0.831	0.979	0.877	0.877	0.859	681.8	28.34
310	787	0.777	-0.016	0.793	0.988	0.864	0.864	0.854	674.1	28.29
315	788	0.778	0.023	0.754	0.994	0.848	0.848	0.843	657.9	28.18
320	821	0.794	0.062	0.731	0.997	0.839	0.839	0.837	647.6	28.11
325	824	0.795	0.101	0.694	0.997	0.824	0.824	0.822	624.4	27.95
330	834	0.800	0.140	0.660	0.994	0.810	0.810	0.805	600.0	27.78
335	871	0.818	0.179	0.639	0.990	0.802	0.802	0.794	582.6	27.65
340	911	0.836	0.218	0.618	0.987	0.793	0.793	0.783	567.2	27.54
345	954	0.856	0.257	0.599	0.985	0.785	0.785	0.774	553.7	27.43
350	995	0.874	0.296	0.578	0.985	0.776	0.776	0.764	539.8	27.32
355	1038	0.892	0.334	0.558	0.987	0.766	0.766	0.756	528.5	27.23
358	1049	0.897	0.358	0.539	0.989	0.757	0.757	0.749	518.3	27.15