WRSN-FM
Facility ID No.: 53596
Amendment of Minor Change Application
Engineering Exhibit
January 13, 2006

This amendment is being filed in response to a letter dated December 15, 2005 from the FCC Staff indicating that the requested height in minor change application BPH-20051003BFZ was not sufficient for a "Class C" facility. By this amendment a facility exceeding minimum "Class C" facilities is requested. This amendment specifies an antenna height 5 meters greater upon the originally proposed tower.

This minor change application by Capstar TX Limited Partnership seeks to comply with MB Docket 04-429, RM – 11120 and to specify new facility for 230C, Cary, North Carolina. By this application it is proposed to locate station WRSN-FM upon a tower identified by antenna structure registration number 1008598 at a height of 414 meters above ground level utilizing a directional antenna to prevent contour overlap.

WRSN-FM from its present location is spaced in accordance with Section 73.213 (spacing since 1964) to stations WMEV-FM, WTHZ-FM, and WGBT-FM. Figure 1 below is a spacing study from the proposed location depicting the Section 73.207 spacings at the proposed location.

This application serves the public interest by eliminating interference. From the proposed (new) location WRSN-FM will no longer be short spaced to WGBT-FM, will be allowed to be spaced by Section 73.215 to station WMEV-FM, and while it will remain spaced in accordance with Section 73.213 with station WTHZ-FM, both the area and population predicted to receive prohibited interference will decrease by a substantial amount. A new short spacing to station WJXY-FM, which this application requests spacing in accordance with Section 73.215, is indicated in Figure 1.

Compliance with Section 73.213 for station WHTZ-FM, both in terms of population and area as demonstrated by tabulation in Figure 2 below as well as the maps in Figures 4 to 7. Compliance with Section 73.215 is demonstrated in Figures 3 for WMEV-FM and Figure 8 for WRSN-FM below.

The Proposed facilities were evaluated in terms of potential radio frequency radiation exposure at ground level in accordance with OET Bulletin No. 65, "Evaluating Compliance With FCC-Specified Guidelines for Human Exposure to Radio frequency Radiation."

The proposed antenna system is an EPA type 3, 6- bay, half wave spaced, "Roto- tiller " antenna, mounted with its center of radiation 414 meters above ground level, and will operate with an effective radiated power of 100 Kilowatts in both the horizontal and vertical planes. At 2 meters above ground, at 728 meters from the base of the tower, this

proposal will contribute worst case, 0.37 microwatts per square centimeter, or 0.04 percent of the allowable ANSI limit for controlled exposure, and 0.20 percent of the allowable limit for uncontrolled exposure. It is therefore believed that this proposal is in compliance with OET Bulletin Number 65 as required by the Federal Communications Commission.

Further, the applicant will see that signs are posted in the vicinity of the tower, warning of potential radio frequency hazards at the site. The site itself is restricted from public access. The applicant will cooperate with other users of the tower to reduce power of the facility, or discontinue operation, as necessary to limit human exposure to levels less than specified by the Federal Communications Commission should anyone be required to climb the tower for maintenance or inspection.

Figure 1. 73.207 Spacings

ComStudy 2.2 search of channel 230 (93.9 MHz Class C) at 35-42-50.0 N, 78-49-04.0 W.

Callsign	State	City	Freq	Channel	ERP_w	Class	Status	Dist_km	Sep	Clr
WTHZ	NC	LEXINGTON	94.1	231	100000	C	LIC	135.27	241	-105.7[1]
WTHZ	NC	LEXINGTON	94.1	231	43000	C1	CP	173.65	209	-35.4[2]
WJXY-FM	SC	CONWAY	93.9	230	3700	A	LIC	208.45	226	-17.5[3]
WMEV-FM	VA	MARION	93.9	230	100000	C	LIC	277.98	290	-12[4]
WMEV-FM	VA	MARION	93.9	230	100000	C	APP	277.98	290	-12[5]
WMEV-FM	VA	MARION	93.9	230	100000	C	APP	277.97	290	-12[6]
	NC	TOPSAIL BEACH	93.7	229	0	C3	ADD	178.54	176	2.5
	NC	TOPSAIL BEACH	93.7	229	0	C3	ADD	178.54	176	2.5
WJIJ	NC	NORLINA	94.3	232	6000	A	LIC	103.39	95	8.4
WGBT	NC	EDEN	94.5	233	100000	C1	LIC	120.79	105	15.8

[1] Spacing via Section 73.213 is requested, see Figure 2 and Figure 7
[2] Spacing via Section 73.213 is requested, see Figure 5 and Figure 6
[3] Spacing via Section 73.215 is requested, see Figure 8
[4] Spacing via Section 73.215 is requested, see Figure 8
[5] Spacing via Section 73.215 is requested, see Figure 8
[6] Spacing via Section 73.215 is requested, see Figure 8

Figure **2**. Population and Area, 73.213

Preesent Facilty	Proposed Facilty
WRSN Licensed to WTHZ Licensed Prediceted Interference Total Area 4294 sq km Population 330989	WRSN Proposed to WTHZ Licensed Prediceted Interference Total Area 3093 sq km Population 513666
WRSN Licensed to WTHZ CP Prediceted Interference Total Area 560 sq km Population 59971	WRSN Proposed to WTHZ CP Prediceted Interference Total Area 141 sq km Population 12450
WTHZ CP to WRSN Licensed Prediceted Interference Total Area 1270 sq km Population 131611	WTHZ CP to WRSN Proposed Prediceted Interference Total Area 232 sq km Population 7507
WTHZ LIC to WRSN Licensed Prediceted Interference Total Area 4294 sq km Population 330989	WTHZ LIC to WRSN Proposed Prediceted Interference Total Area 2271 sq km Population 168766

Figure **3**. WRSN – WMEV Co-Channel 73.215 Contours

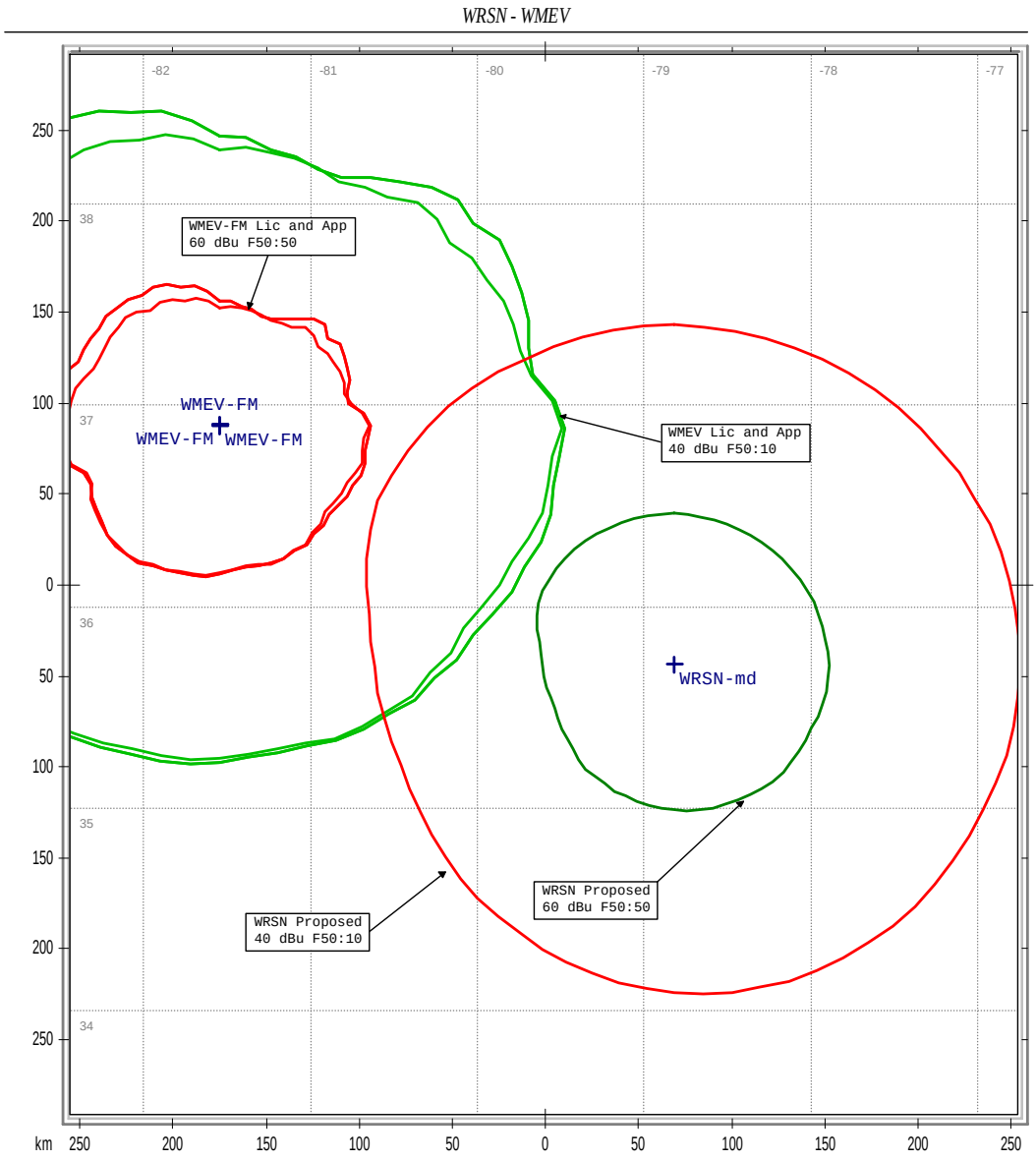

Figure **4**. WRSN to WTHZ Licensed Site

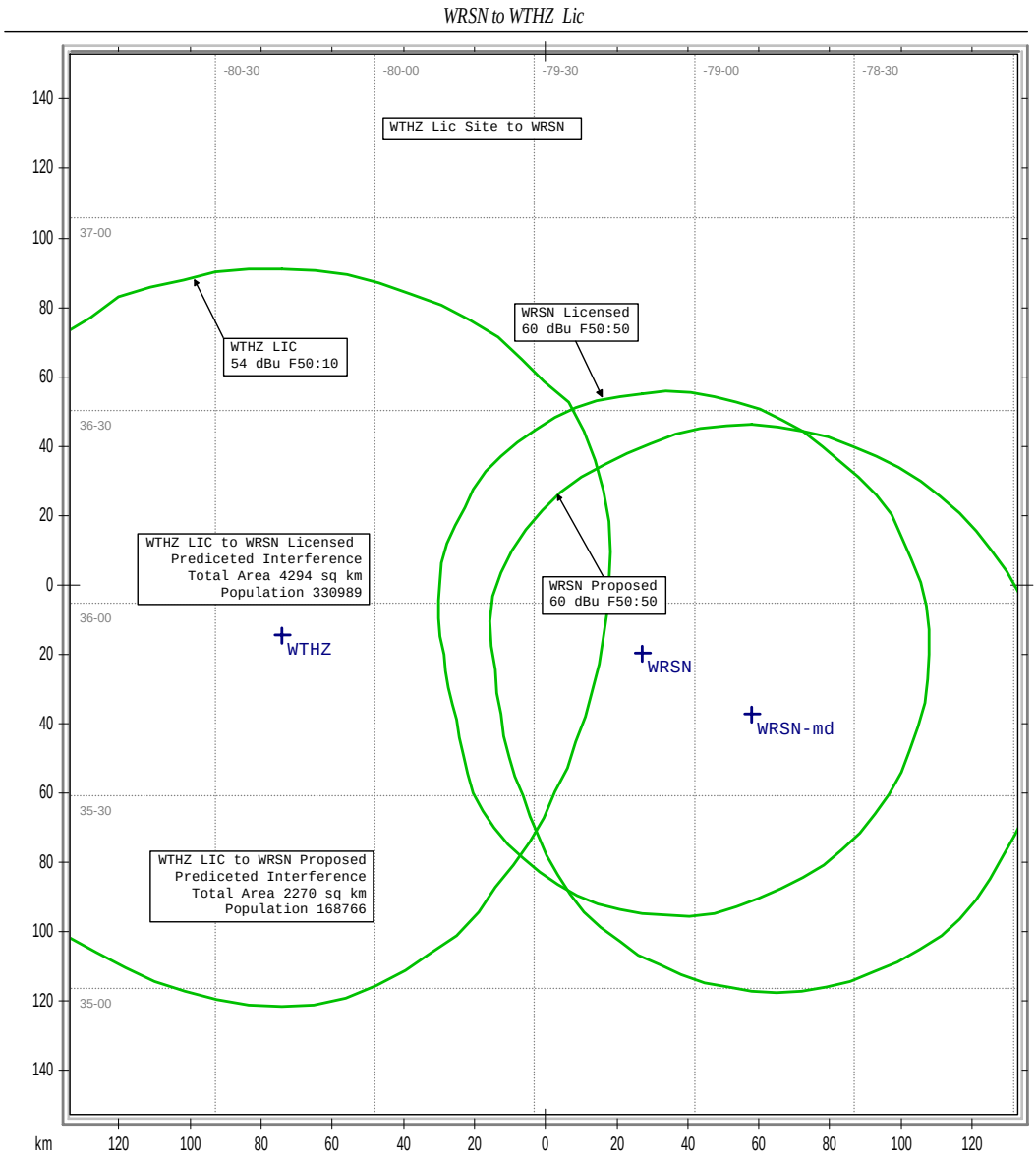

Figure **5**. WRSN to WTHZ CP Site

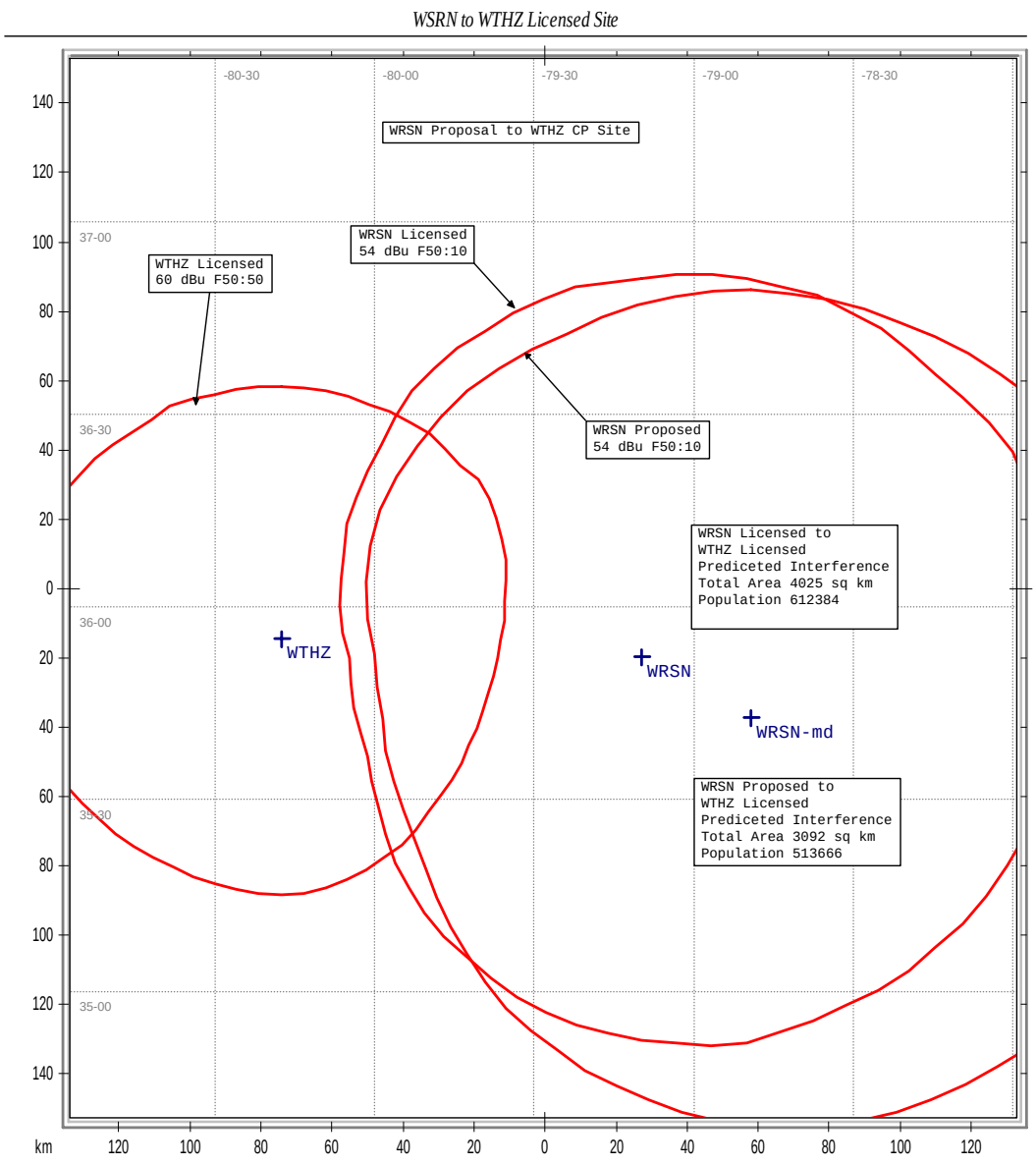

Figure **6**. WTHZ-CP to WRSN

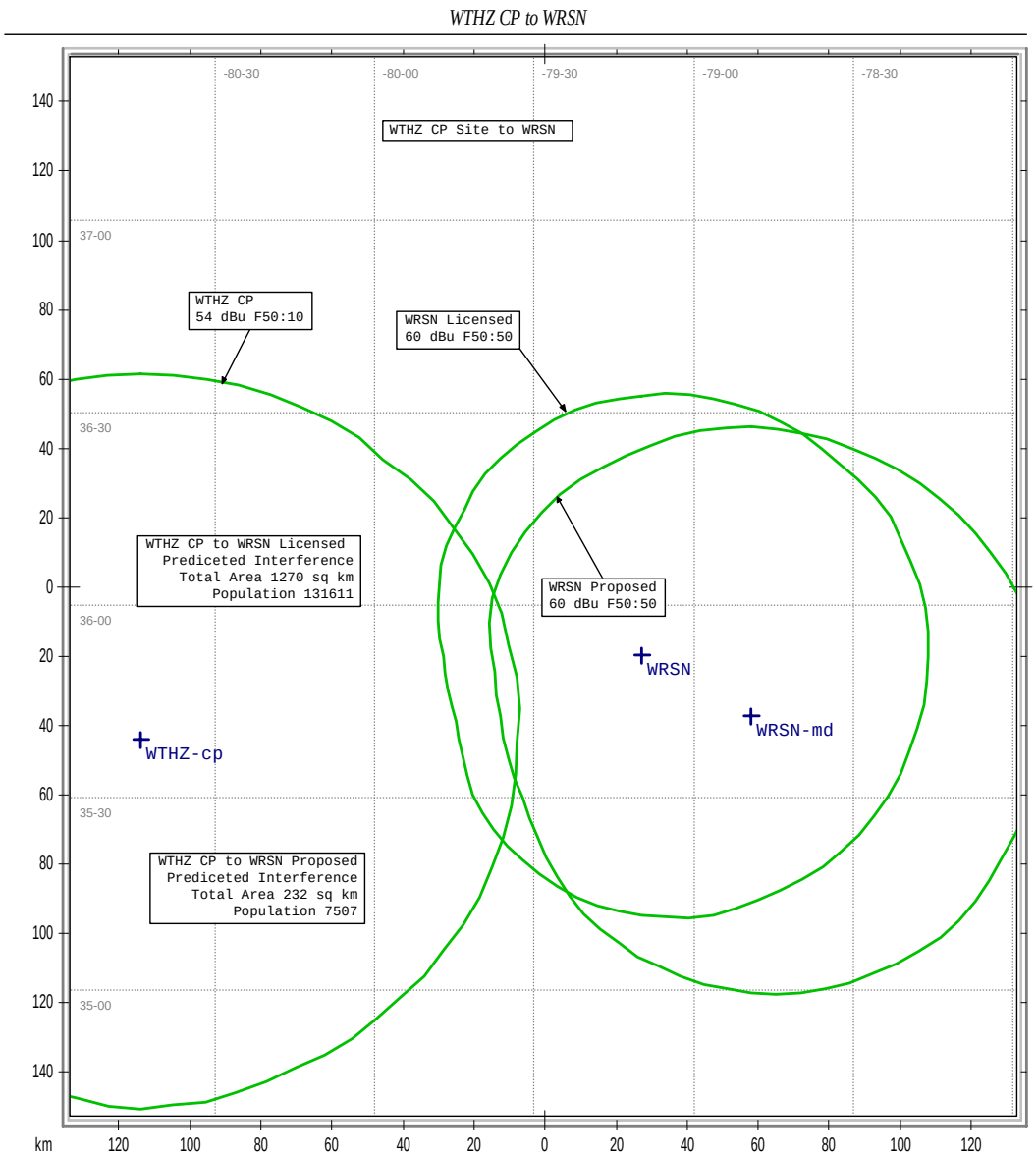

Figure **7**. WTHZ Lic to WRSN

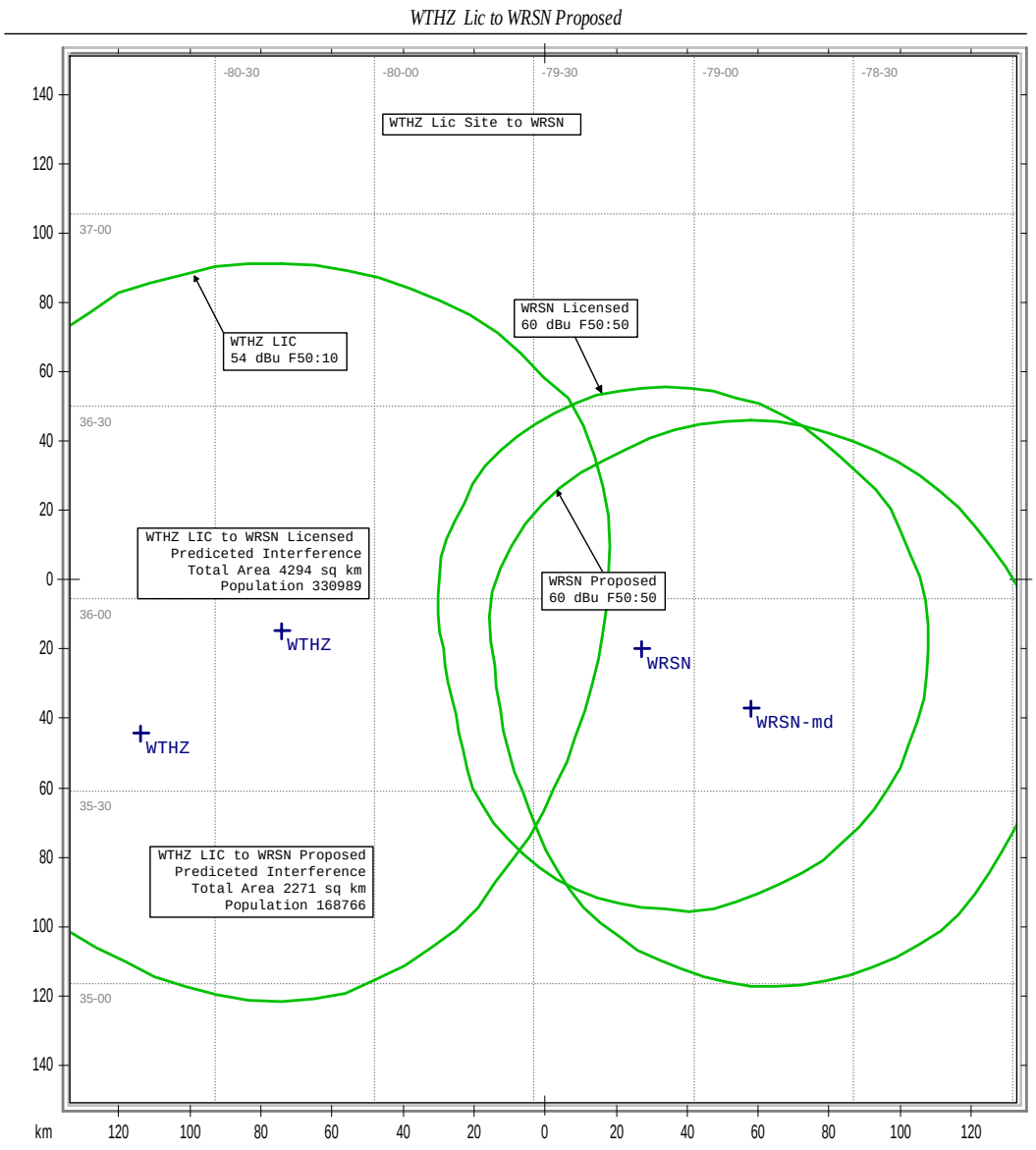

Figure **8**. WRSN – WJXY 73.215 Map