

Figure 1

MINOR CHANGE TO LICENSED FACILITY (250-mile window application)
Demonstration of 60 dBu contour within lesser of 2 mV or 25-mile radius of WTAN-AM

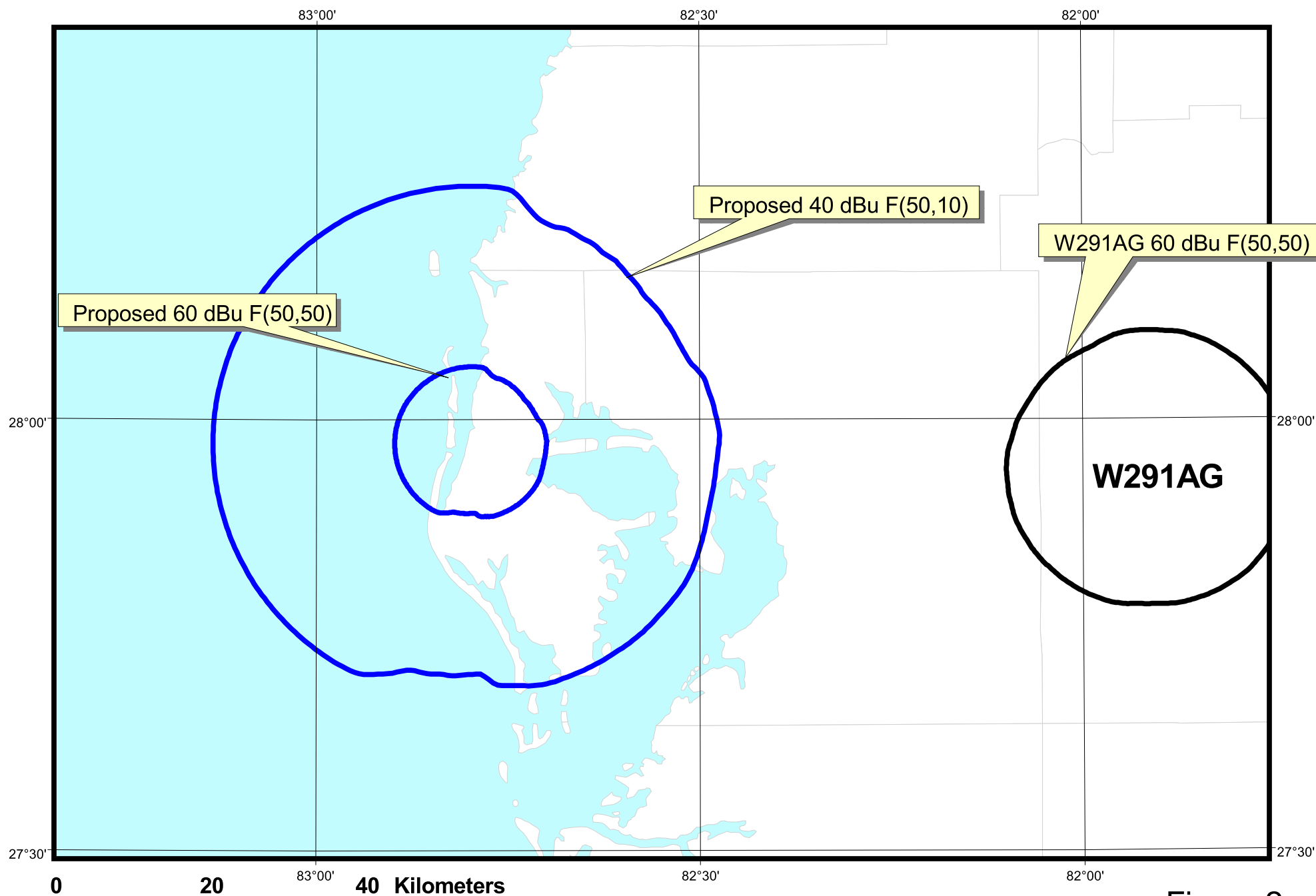


Figure 2

MINOR CHANGE TO LICENSED FACILITY (250-mile window application)
Co-channel study

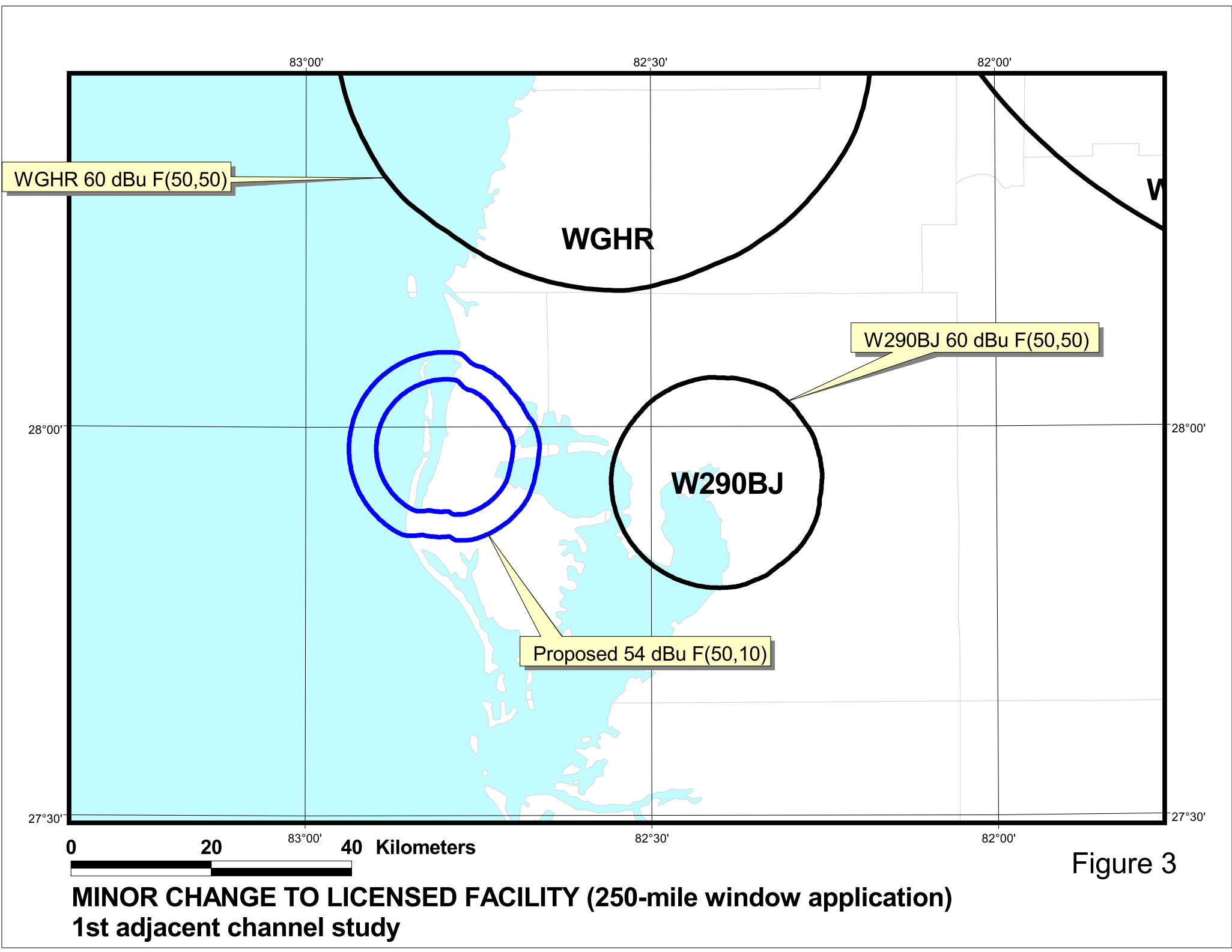


Table 1

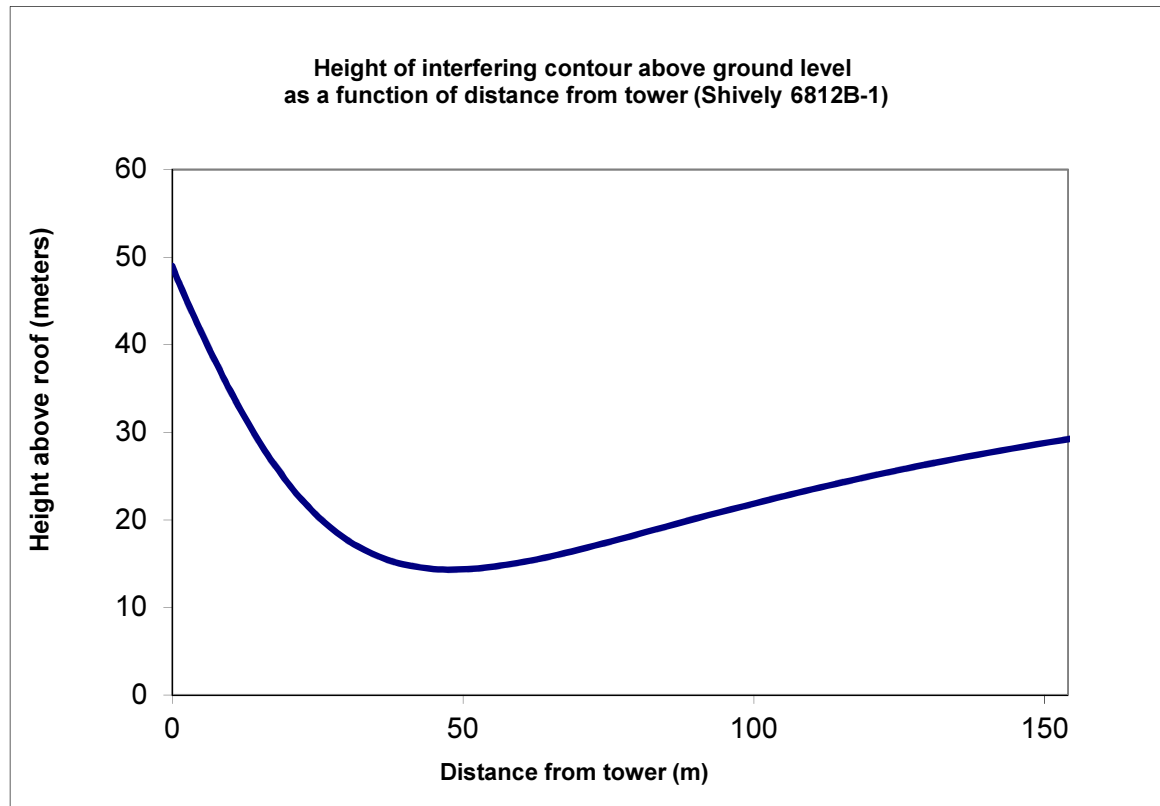
MINOR CHANGE TO LICENSED FACILITY (250-mile window application): Proposed Channel 291

Channel Study

Chan	Class	Call Letters	Type	Status	City	State	Country	Owner	Distance (km)	Bearing TO (deg)	Req. Dist. (km)	Clearance (km)	Field Strength (dBu)
237	D	W237CW	FX	LIC	PINELLAS PARK	FL	US	RADIO TRAINING NETWORK, INC.	20.6	124.7	0.0	20.6	
288	C1	WDUV	FM	LIC	NEW PORT RICHEY	FL	US	COX RADIO, INC.	23.4	6.8	73.5	-50.1	84.2 (see NOTE)
290	D	W290BJ	FX	LIC	WEST TAMPA	FL	US	RADIO TRAINING NETWORK, INC.	39.2	96.6	28.5	10.6	
291	D	W291AG	FX	LIC	HIGHLAND CITY	FL	US	RADIO TRAINING NETWORK, INC.	86.9	92.1	49.7	37.2	
292	C3	WGHR	FM	LIC	SPRING HILL	FL	US	WGUL-FM, INC.	66.3	21.6	51.8	14.5	
293	C2	WCTQ	FM	LIC	SARASOTA	FL	US	CITICASTERS LICENSES, INC.	52.2	155.2	44.8	7.4	
293	D	W293CG	FX	CP	BRANDON	FL	US	BIBLE BROADCASTING NETWORK,	57.1	93.9	9.9	47.2	

NOTE:

(No interference CAUSED to WDUV) 3rd adjacent WDUV has a field strength of 84.2 dBu F(50,50) at the proposed site. Therefore the proposed translator's interfering contour is the 124.2 dBu F(50,10) contour. At 250 watts ERP, the proposed translator's 124.2 dBu F(50,10) extends 68 meters horizontally from the antenna. However, using a single bay SHIVELY 6812B antenna mounted at 49 meters AGL, the antenna's vertical elevation pattern is such that the interfering contour does not reach any lower than 14.3 meters above ground level (47 feet AGL) and does not reach the ground and does not reach any occupied structures or population. Therefore this proposal is compliant with the allowance of Rule 74.1204(d). (See Figure 4 below and Figure 5)





**MINOR CHANGE TO LICENSED FACILITY (250-mile window application)
3rd adjacent channel study with respect to WDUV**

Figure 5

Radiofrequency Electromagnetic Exposure Analysis

Source	Height AGL(m)	Antenna type	Bays	Horizontal ERP (kw)	Vertical ERP (kw)	Power Density $\mu\text{W}/\text{cm}^2$ at 2 meters AGL				
						within 10 meters distance	% controlled environment limit (1000 $\mu\text{W}/\text{cm}^2$)	Max. PD	% uncontrolled environment limit (200 $\mu\text{W}/\text{cm}^2$)	Distance to maximum PD (m)
Proposed translator	49	SHIVELY 6812B-1	1	0.250	0.250	0.250	0.0250%	1.60	0.80%	48.8
						0.250	0.0250%	1.60	0.80%	48.8

The proposed facility is excluded from environmental processing under 47. C.F.R. Section 1.1306 (i.e., The facility will not have a significant environmental impact and complies with the maximum permissible radiofrequency electromagnetic exposure limits for controlled and uncontrolled environments).

Calculations made using FCC FMModel